

FCC Test Report

FCC ID : SWX-M11DB
Equipment : WiFi Dual Band Module
Brand Name : UBIQUITI
Model Name : 1x1-DB
**Applicant/
Manufacturer** : Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York,
New York 10017 USA
Standard : 47 CFR FCC Part 15.407

The product was received on May 03, 2018, and testing was started from May 09, 2018 and completed on May 12, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	7
1.3 Testing Location Information	7
1.4 Measurement Uncertainty	7
2 TEST CONFIGURATION OF EUT.....	8
2.1 Test Condition	8
2.2 Test Channel Mode	8
2.3 The Worst Case Measurement Configuration.....	9
2.4 Support Equipment.....	10
2.5 Test Setup Diagram	11
3 TRANSMITTER TEST RESULT	12
3.1 AC Power-line Conducted Emissions	12
3.2 Emission Bandwidth	13
3.3 Maximum Conducted Output Power	14
3.4 Peak Power Spectral Density.....	16
3.5 Unwanted Emissions.....	18
3.6 Test Equipment and Calibration Data	23
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS	
APPENDIX F. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Reviewed by: Jeremy Lin

Report Producer: Jenny Yang

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]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [8]
straddle 5725		5720	144 [1]
5725-5850		5745-5825	149-165 [5]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.25-5.35GHz	802.11a	20	1TX
5.47-5.725GHz	802.11a	20	1TX
5.725-5.85GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.25-5.35GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	Internal antenna	i-Pex
2	-	-	internal antenna	i-Pex

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	4	4
2	1	-	8

Note 1: The EUT has two antennas.

For 2.4 GHz function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

Identify EUT			
RF chip	QCA9889		
Operational Condition			
EUT Power Type	From PoE		
EUT Function	☐ Outdoor	☐ Indoor	
	☐ Fixed P2P	☒ Client	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Weather Band	☒ With 5600~5650MHz	☐ Without 5600~5650MHz	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:		...
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		...
☐	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.968	0.141	2.068m	1k
802.11n HT20	0.964	0.159	1.928m	1k

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Randy	24.5°C / 66%	09/May/2018
Radiated	03CH03-HY	Jeff	23.2°C / 52%	12/May/2018
AC Conduction	CO04-HY	Kevin	22.2°C / 51.8%	11/May/2018

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%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	QDART V3.0.239
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2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	PoE mode
Antenna 2 configuration was pretested and found to be the worst case and measured during the test.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
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	AC Power & Radio link (WLAN)		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	
Antenna 2 configuration was pretested and found to be the worst case and measured during the test.			

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA661621-02 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	Test Fixture	-	UWB-XG	-

Note: Support equipment No.3 was provided by customer.

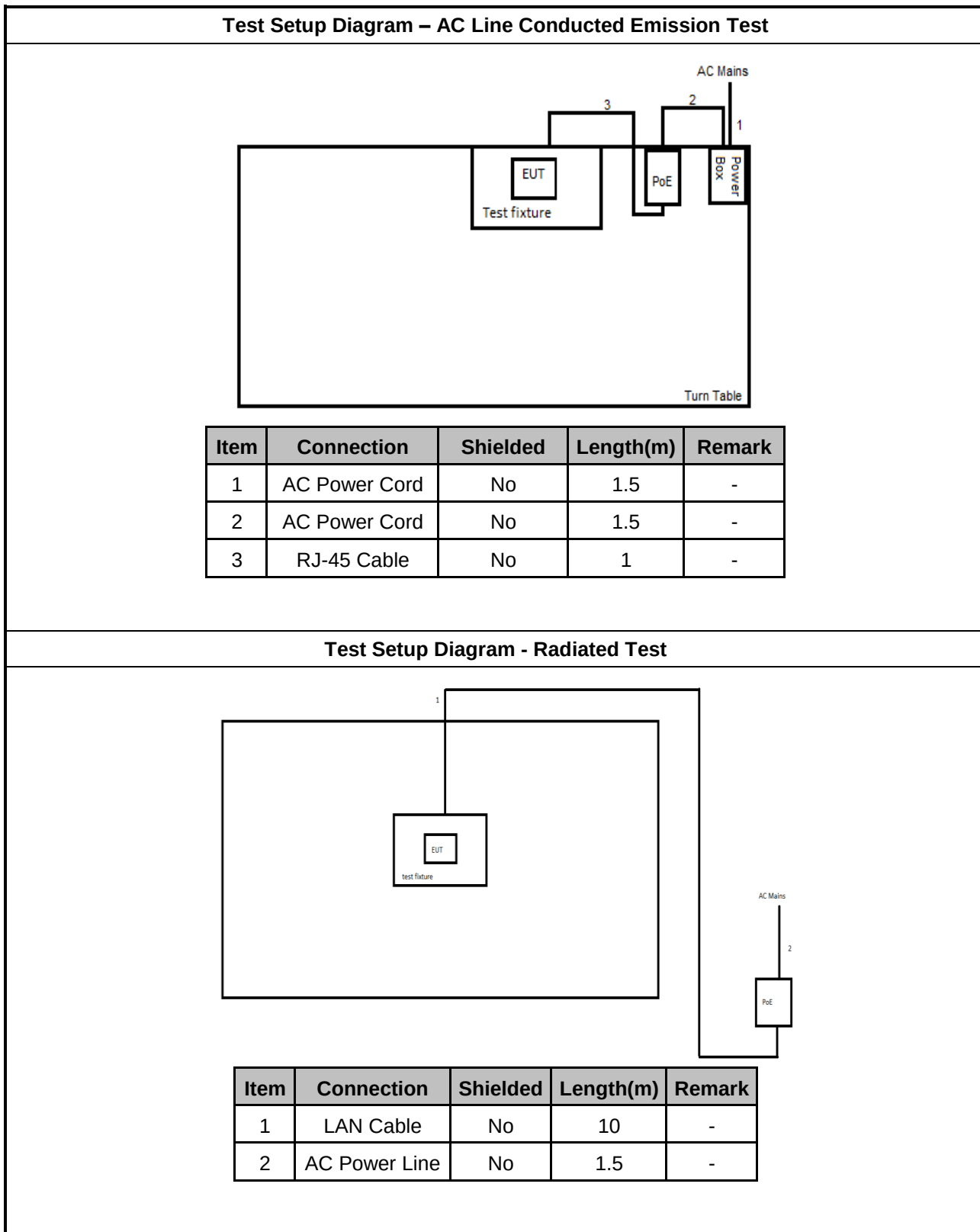
Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	PoE (remote)	UBNT	-	-
2	Test Fixture	-	-	-

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

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	PoE	UBNT	-	-
2	Test Fixture	-	-	-

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

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

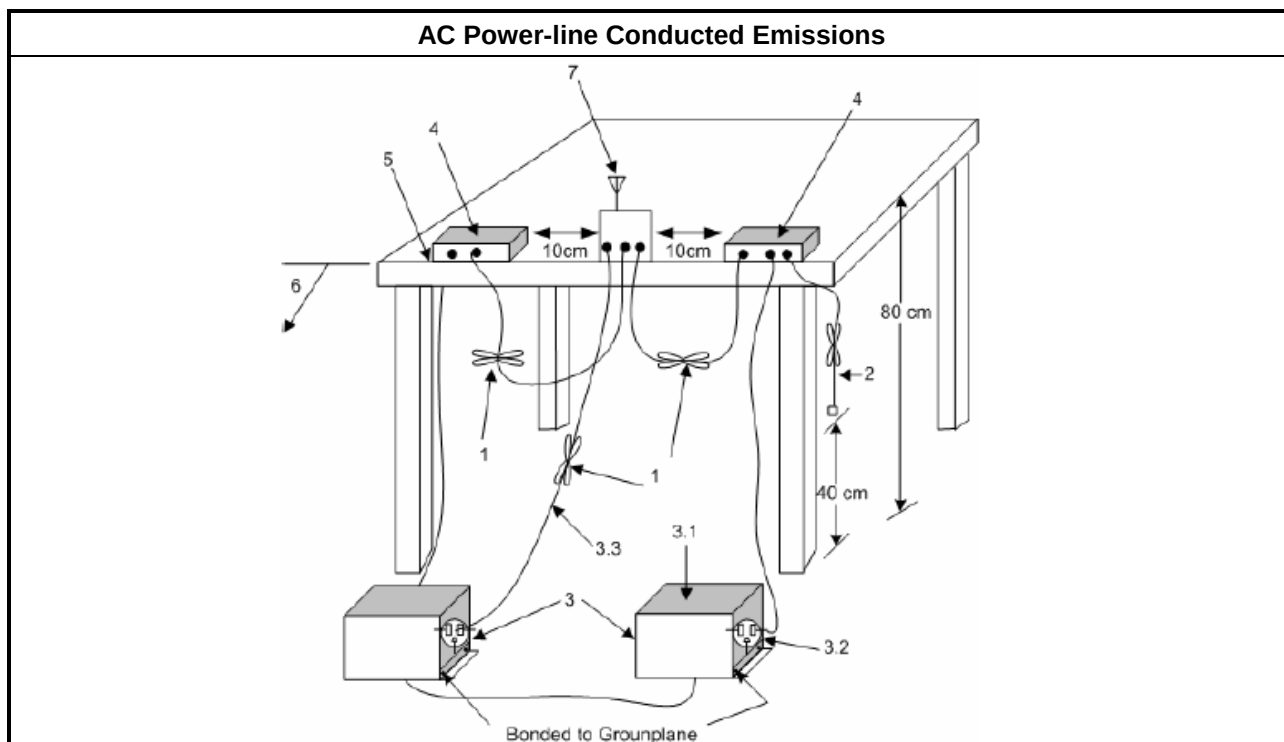
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

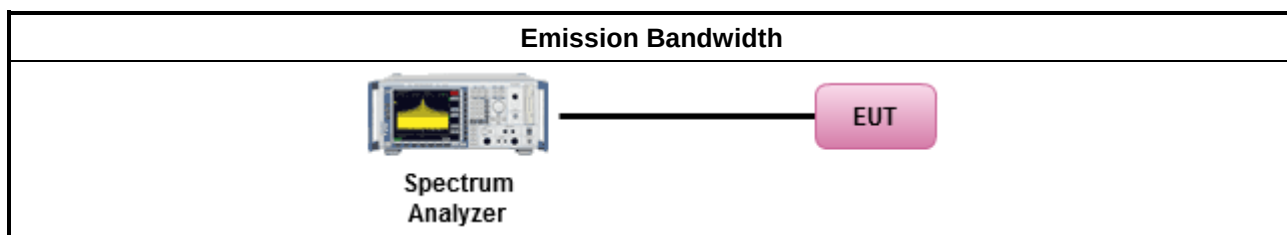
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

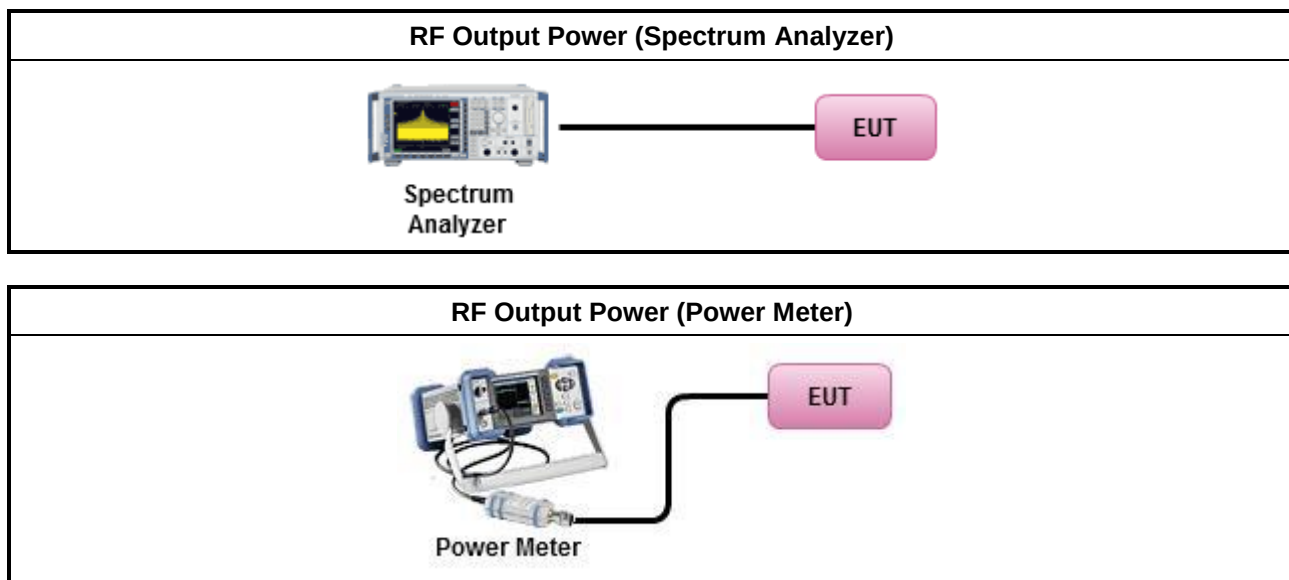
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

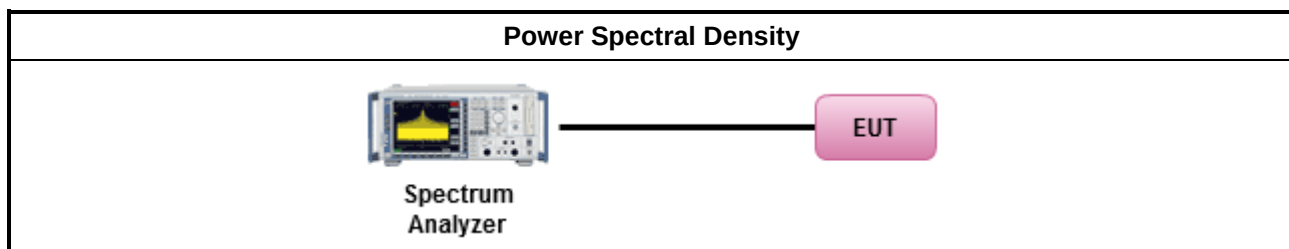
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☐ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
☐ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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).	

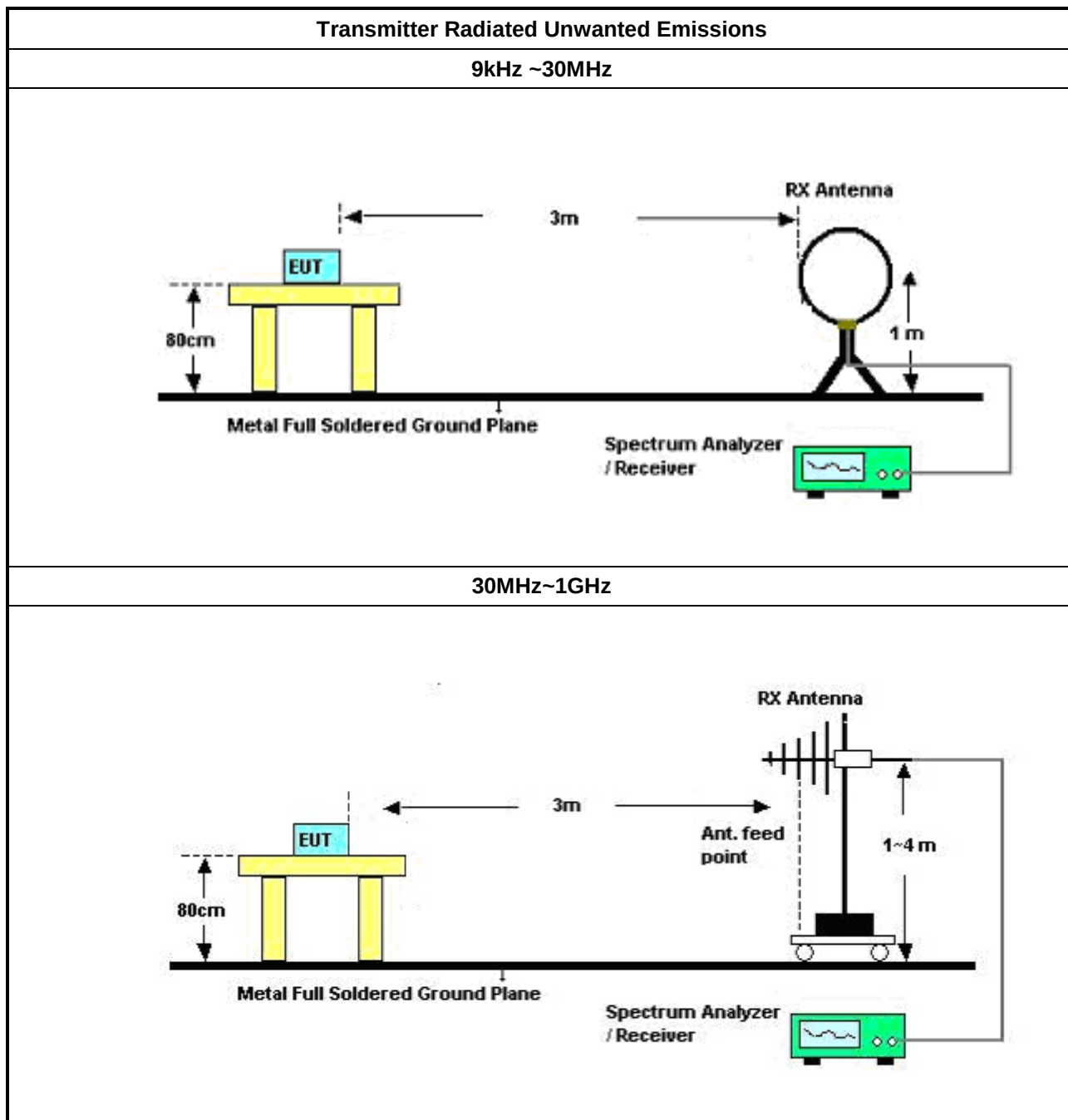
3.5.2 Measuring Instruments

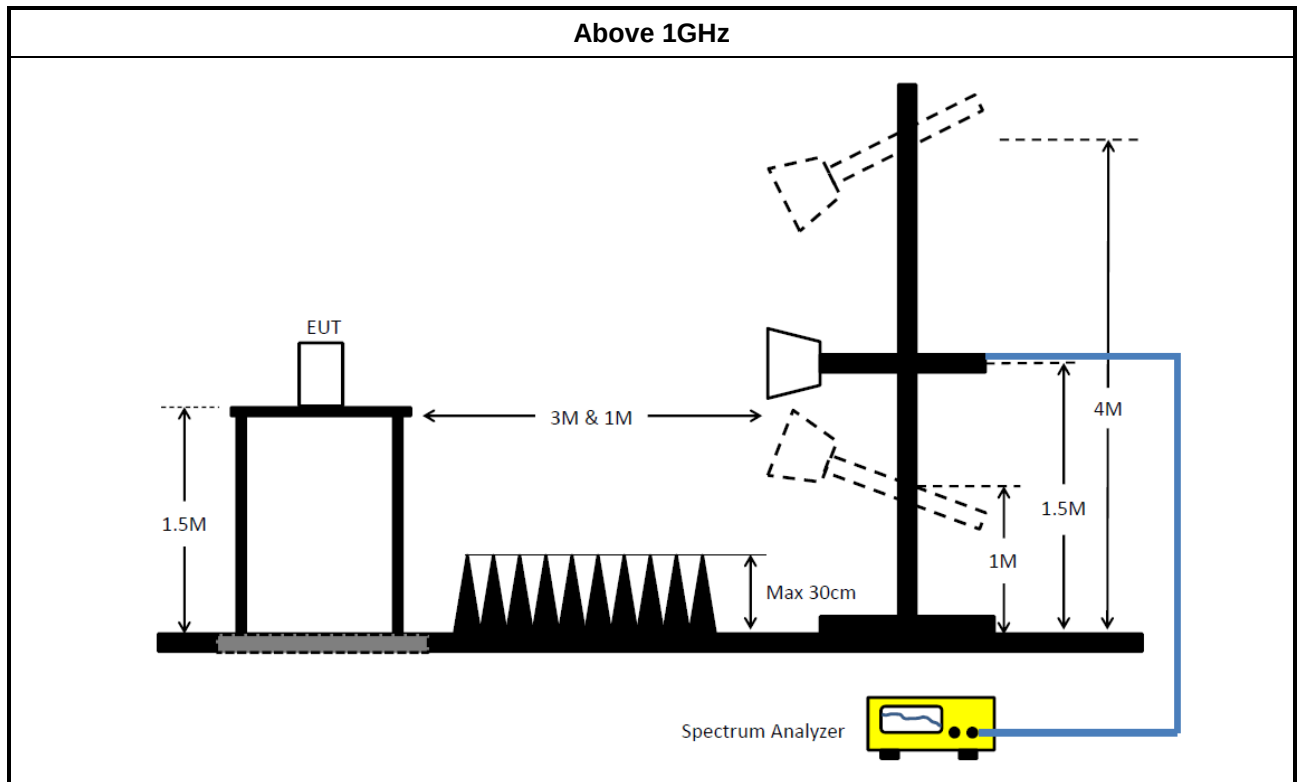
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 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	ESCS30	838251/003	9KHz ~ 2.75GHz	13/Jun/2017	12/Jun/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require
Instrument for Conducted Test

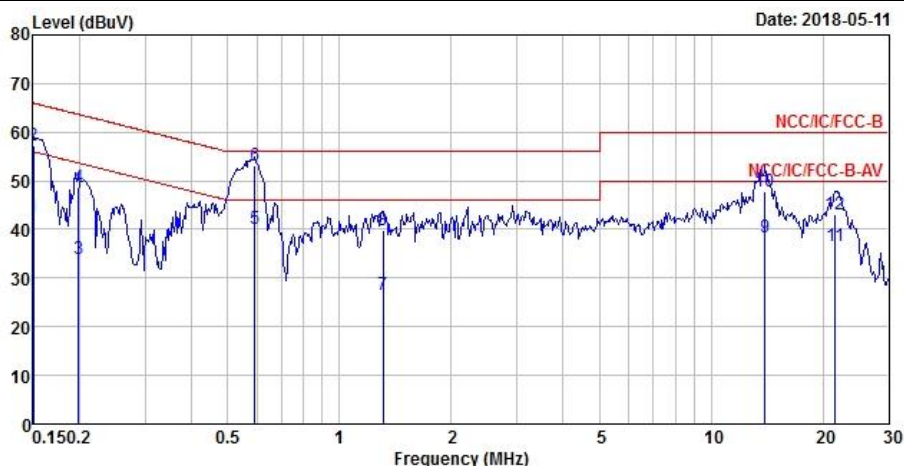
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10712/4	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

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	31/Oct/2017	30/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	01/Nov/2017	31/Oct/2018
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	22/Apr/2019
Amplifier	Keysight	83017A	MY53270196	1GHz ~ 26.5GHz	31/Aug/2017	30/Aug/2018
Spectrum	R&S	FSV40	101500	9kHz ~ 40GHz	28/Jun/2017	27/Jun/2018
Receiver	R&S	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	26/Jan/2018	25/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX106	CB222	1GHz ~ 40GHz	26/Jan/2018	25/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	22237	30MHz ~ 1GHz	08/Jul/2017	07/Jul/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	09/Feb/2018	08/Feb/2019
Horn Antenna	SCHWARZBECK	BBHA9120D	1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Amplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2017	23/Aug/2018
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	16/Mar/2018	15/Mar/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	PoE Mode		

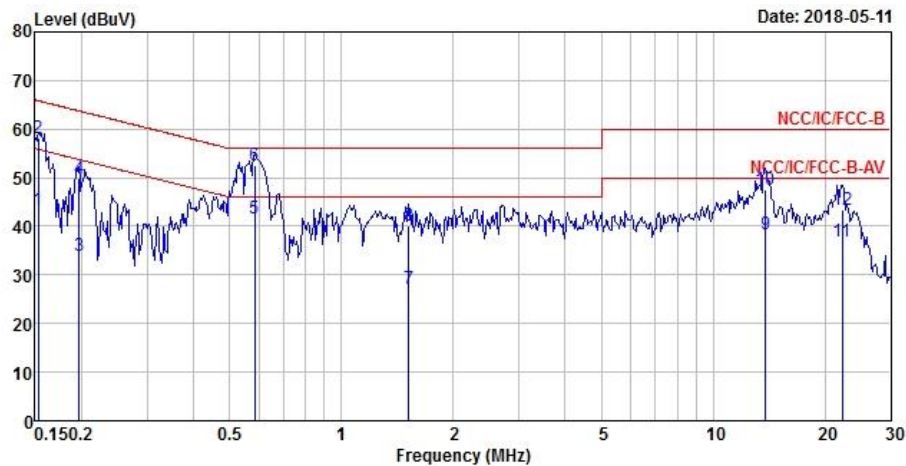


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	42.38	-13.62	56.00	32.71	9.63	0.04	Average
2	0.15	57.15	-8.85	66.00	47.48	9.63	0.04	QP
3	0.20	34.07	-19.60	53.67	24.45	9.62	0.00	Average
4	0.20	48.74	-14.93	63.67	39.12	9.62	0.00	QP
5	0.59	40.15	-5.85	46.00	30.48	9.61	0.06	Average
6 MAX	0.59	53.04	-2.96	56.00	43.37	9.61	0.06	QP
7	1.31	26.69	-19.31	46.00	17.07	9.62	0.00	Average
8	1.31	39.89	-16.11	56.00	30.27	9.62	0.00	QP
9	13.99	38.52	-11.48	50.00	28.79	9.70	0.03	Average
10	13.99	47.78	-12.22	60.00	38.05	9.70	0.03	QP
11	21.60	36.64	-13.36	50.00	26.80	9.71	0.13	Average
12	21.60	43.02	-16.98	60.00	33.18	9.71	0.13	QP

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

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	PoE Mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	43.39	-12.43	55.82	33.73	9.62	0.04	Average
2	0.15	58.09	-7.73	65.82	48.43	9.62	0.04	QP
3	0.20	34.03	-19.73	53.76	24.41	9.62	0.00	Average
4	0.20	49.82	-13.94	63.76	40.20	9.62	0.00	QP
5	0.59	41.55	-4.45	46.00	31.88	9.61	0.06	Average
6 MAX	0.59	52.53	-3.47	56.00	42.86	9.61	0.06	QP
7	1.52	27.14	-18.86	46.00	17.52	9.62	0.00	Average
8	1.52	40.09	-15.91	56.00	30.47	9.62	0.00	QP
9	13.84	38.38	-11.62	50.00	28.70	9.64	0.04	Average
10	13.84	47.39	-12.61	60.00	37.71	9.64	0.04	QP
11	22.30	36.96	-13.04	50.00	27.27	9.59	0.10	Average
12	22.30	43.53	-16.47	60.00	33.84	9.59	0.10	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	48.2M	30.635M	30M6D1D	35.875M	17.366M
802.11n HT20_Nss1,(MCS0)_1TX	48.225M	27.361M	27M4D1D	37.825M	18.141M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	48.3M	31.284M	31M3D1D	39.55M	19.04M
802.11n HT20_Nss1,(MCS0)_1TX	50M	32.284M	32M3D1D	40.625M	19.39M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	49.8M	33.383M	33M4D1D	26.355M	18.116M
802.11n HT20_Nss1,(MCS0)_1TX	50M	34.708M	34M7D1D	28.29M	18.016M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.3M	21.589M	21M6D1D	3.08M	12.554M
802.11n HT20_Nss1,(MCS0)_1TX	17.55M	22.914M	22M9D1D	3.7M	13.473M

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	35.875M	17.366M
5200MHz	Pass	Inf	48.2M	30.635M
5240MHz	Pass	Inf	40.15M	19.715M
5260MHz	Pass	Inf	48.275M	31.284M
5300MHz	Pass	Inf	48.3M	30.56M
5320MHz	Pass	Inf	39.55M	19.04M
5500MHz	Pass	Inf	41.95M	21.964M
5580MHz	Pass	Inf	49.8M	33.383M
5700MHz	Pass	Inf	35.9M	18.116M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	26.355M	18.456M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	12.554M
5745MHz	Pass	500k	16.3M	21.589M
5785MHz	Pass	500k	16.25M	21.539M
5825MHz	Pass	500k	15.4M	19.14M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	37.825M	18.141M
5200MHz	Pass	Inf	48.225M	27.361M
5240MHz	Pass	Inf	40.85M	19.315M
5260MHz	Pass	Inf	50M	32.284M
5300MHz	Pass	Inf	41.075M	19.74M
5320MHz	Pass	Inf	40.625M	19.39M
5500MHz	Pass	Inf	42.925M	21.339M
5580MHz	Pass	Inf	50M	34.708M
5700MHz	Pass	Inf	31.25M	18.016M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	28.29M	19.19M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	13.473M
5745MHz	Pass	500k	17.55M	22.914M
5785MHz	Pass	500k	17.15M	21.389M
5825MHz	Pass	500k	17.525M	21.489M

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

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

802.11a_Nss1,(6Mbps)_1TX
EBW
5180MHz

05/05/2018

Ch Freq
5.18GHz

Span
50MHz

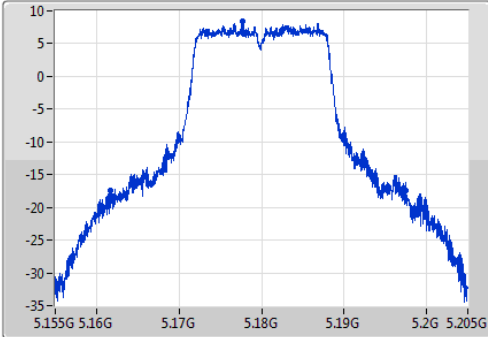
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
5.18GHz

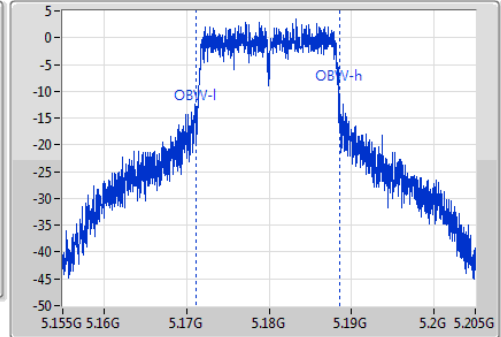
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.875M	5.161625G	5.1975G	17.366M	5.171204G	5.188571G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

05/05/2018

Ch Freq
5.2GHz

Span
50MHz

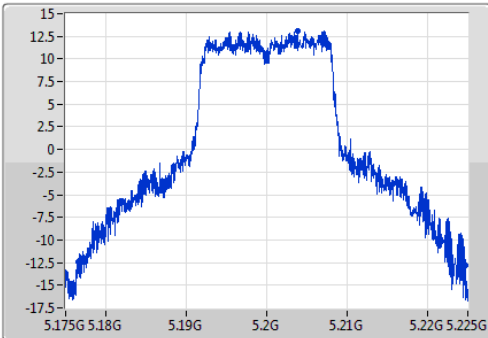
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
5.2GHz

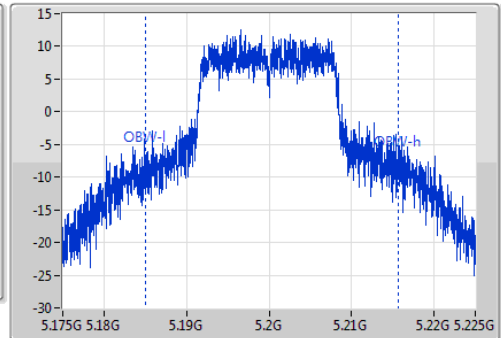
Span
50MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.2M	5.1765G	5.2247G	30.635M	5.185057G	5.215692G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

05/05/2018

Ch Freq
5.24GHz

Span
50MHz

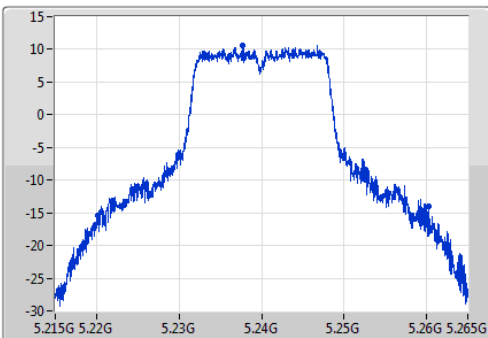
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
5.24GHz

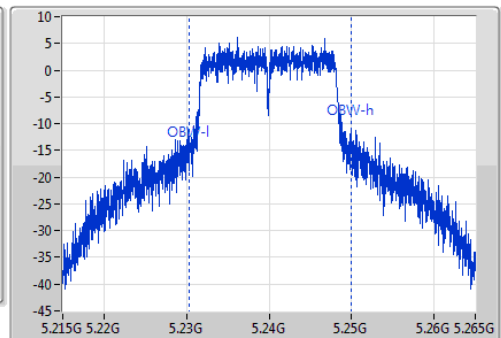
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.220175G	5.260325G	19.715M	5.230255G	5.24997G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5260MHz

05/05/2018

Ch Freq
5.26GHz

Span
50MHz

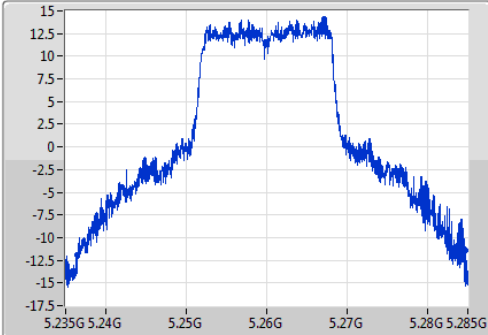
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.26GHz

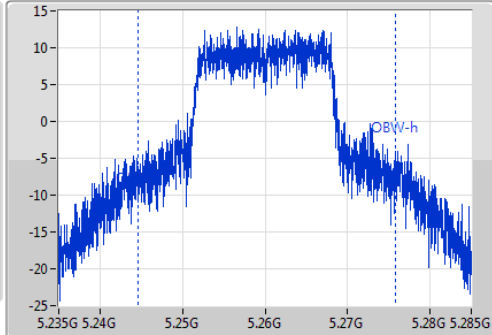
Span
50MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.275M	5.2364G	5.284675G	31.284M	5.244583G	5.275867G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5300MHz

05/05/2018

Ch Freq
5.3GHz

Span
50MHz

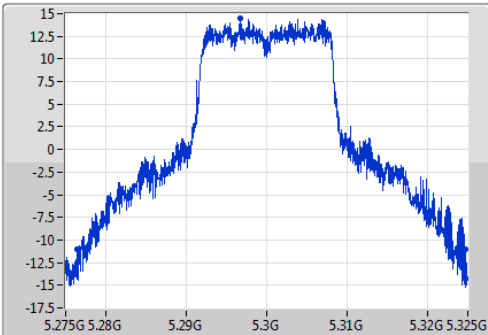
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.3GHz

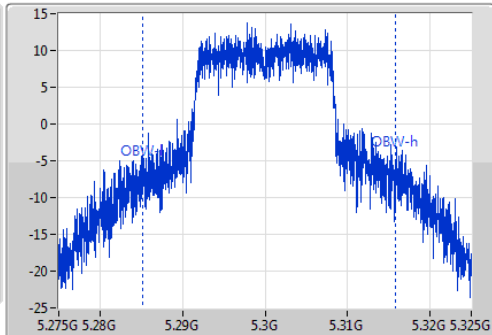
Span
50MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.3M	5.276475G	5.324775G	30.56M	5.285207G	5.315767G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5320MHz

05/05/2018

Ch Freq
5.32GHz

Span
50MHz

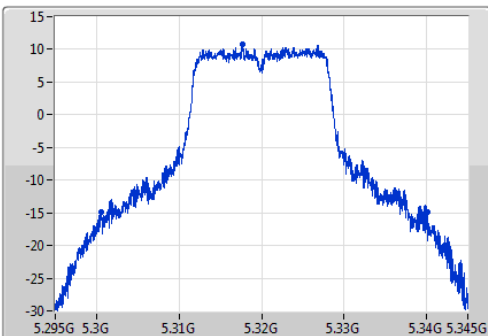
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.32GHz

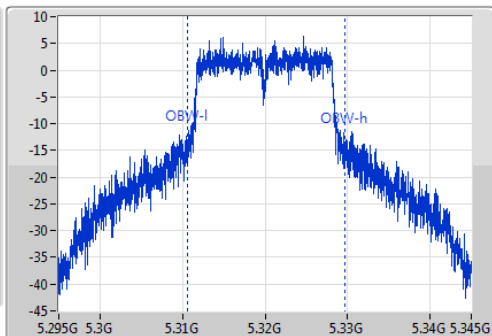
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.55M	5.300525G	5.340075G	19.04M	5.310605G	5.329645G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5500MHz

05/05/2018

Ch Freq
5.5GHz

Span
50MHz

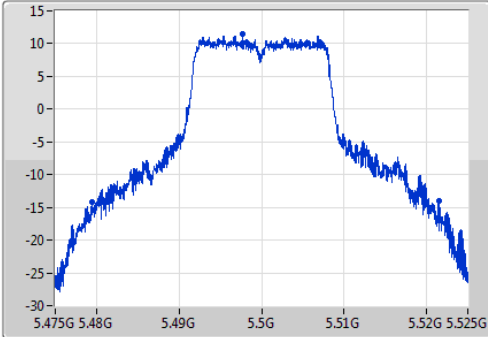
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.5GHz

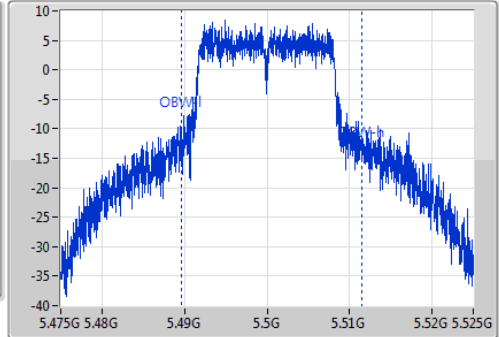
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.95M	5.4795G	5.52145G	21.964M	5.489555G	5.511519G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5580MHz

05/05/2018

Ch Freq
5.58GHz

Span
50MHz

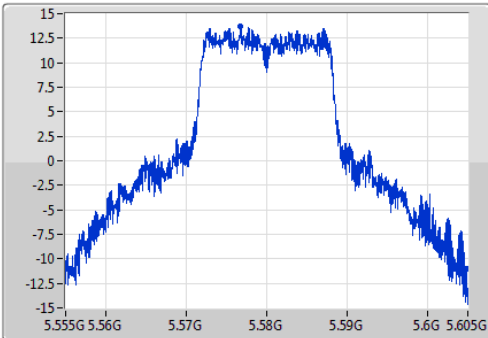
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.58GHz

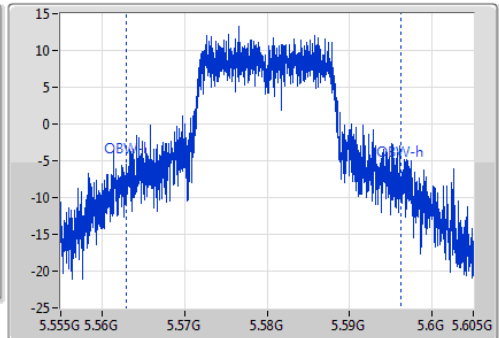
Span
50MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.8M	5.555025G	5.604825G	33.383M	5.562909G	5.596292G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5700MHz

05/05/2018

Ch Freq
5.7GHz

Span
50MHz

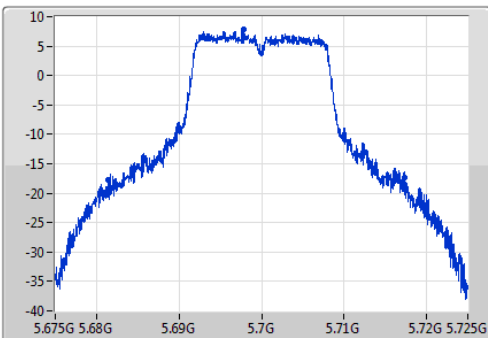
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.7GHz

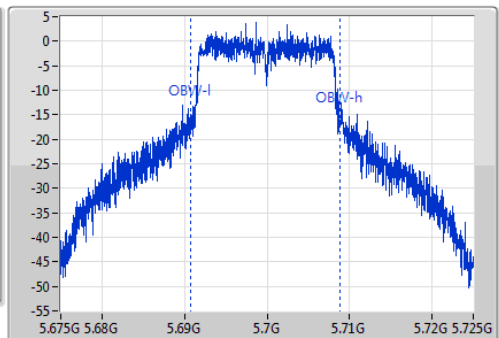
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

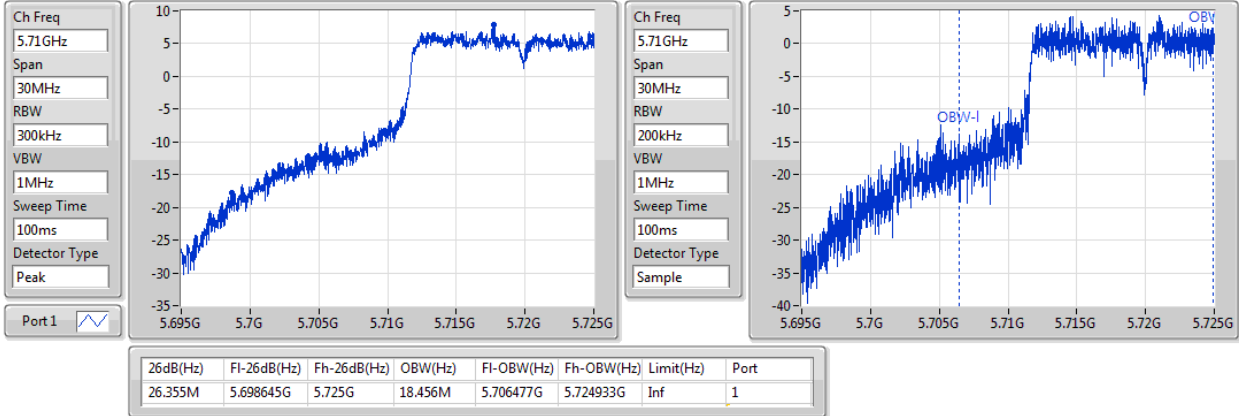
Detector Type
Sample



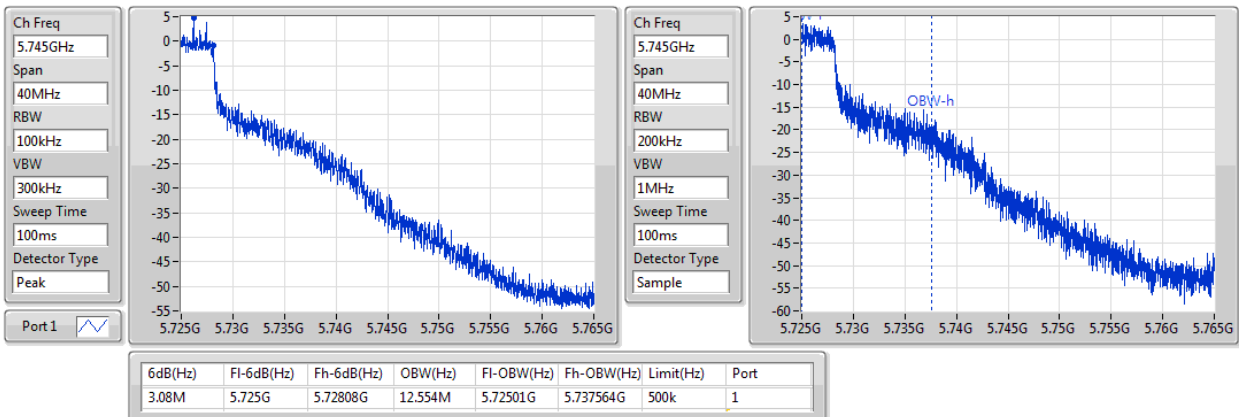
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.9M	5.681425G	5.717325G	18.116M	5.69073G	5.708846G	Inf	1

802.11a_Nss1,(6Mbps)_1TX
EBW
5720MHz Straddle 5.47-5.725GHz

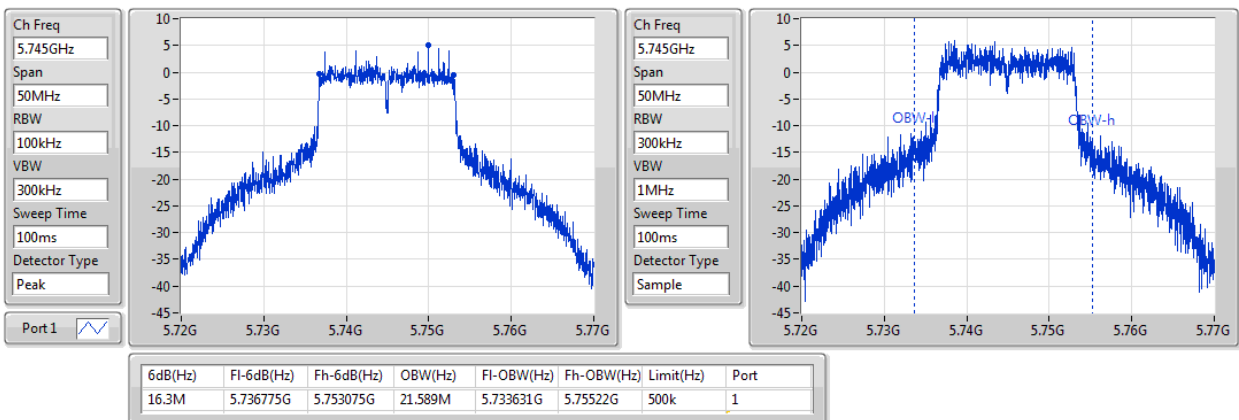
05/05/2018


802.11a_Nss1,(6Mbps)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/05/2018

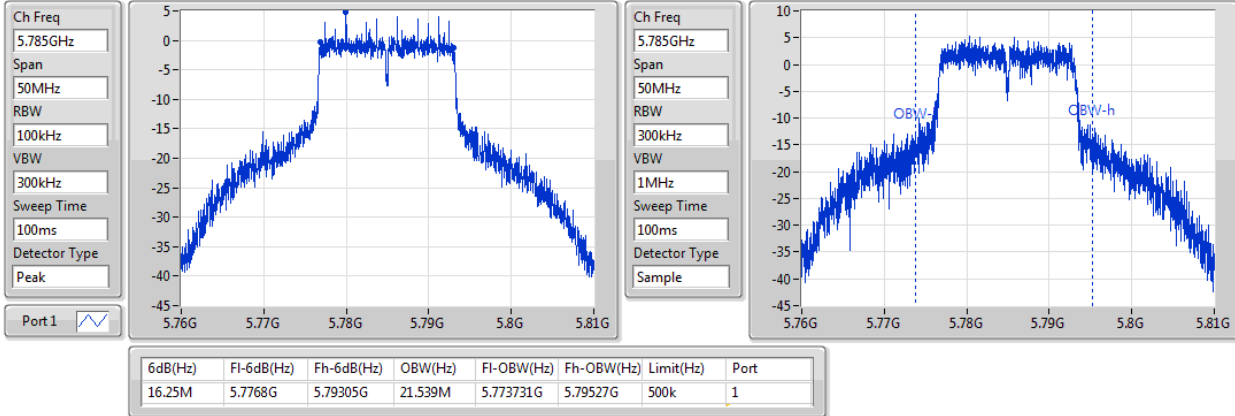

802.11a_Nss1,(6Mbps)_1TX
EBW
5745MHz

05/05/2018

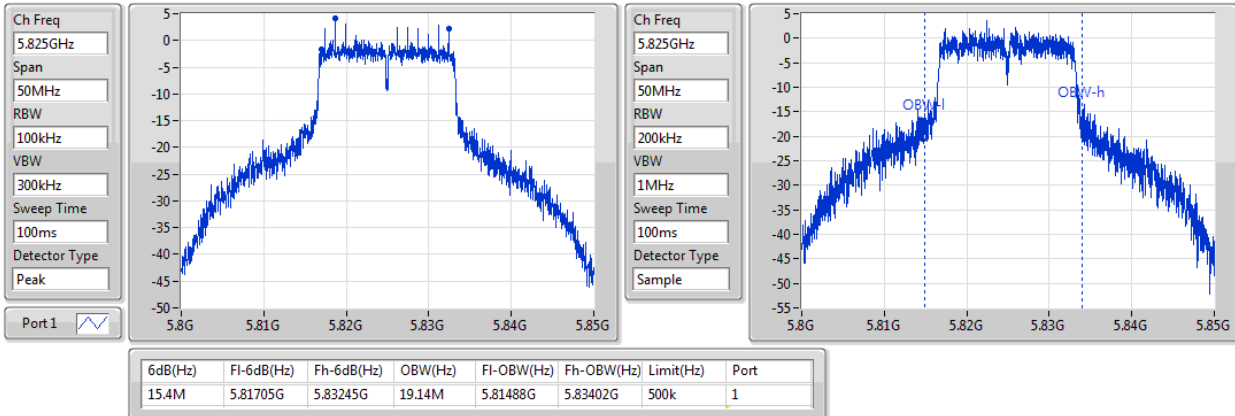


802.11a_Nss1,(6Mbps)_1TX
EBW
5785MHz

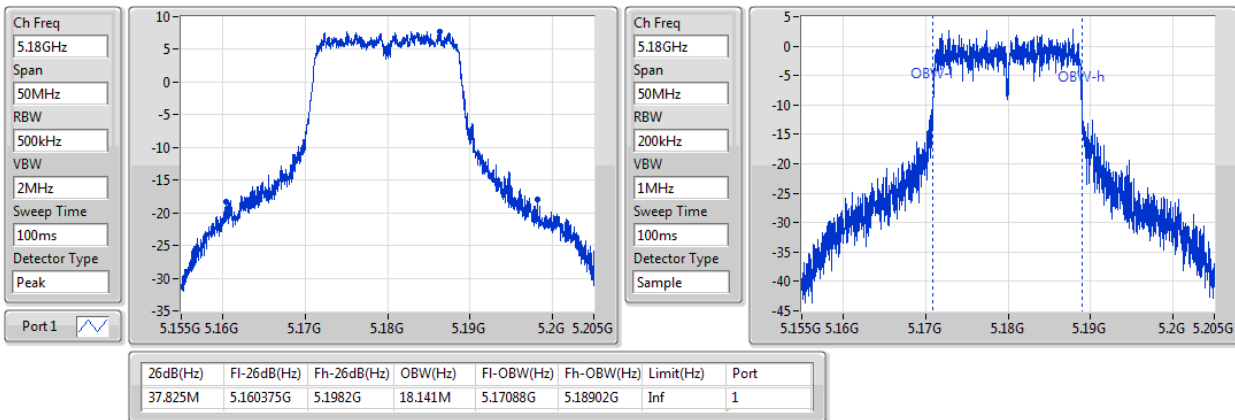
05/05/2018


802.11a_Nss1,(6Mbps)_1TX
EBW
5825MHz

05/05/2018


802.11n HT20_Nss1,(MCS0)_1TX
EBW
5180MHz

05/05/2018



802.11n HT20_Nss1,(MCS0)_1TX
EBW
5200MHz

05/05/2018

Ch Freq
5.2GHz

Span
50MHz

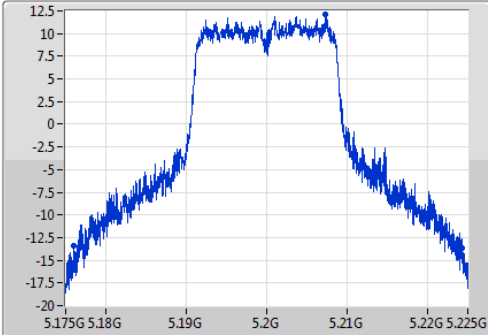
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
5.2GHz

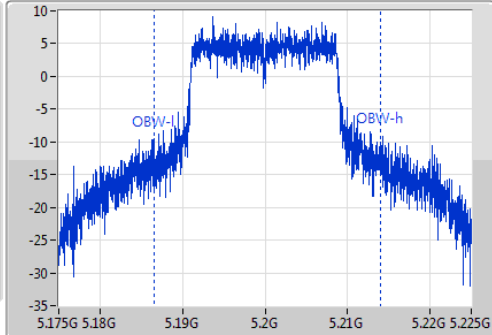
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.225M	5.17605G	5.224275G	27.361M	5.186607G	5.213968G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
5240MHz

05/05/2018

Ch Freq
5.24GHz

Span
50MHz

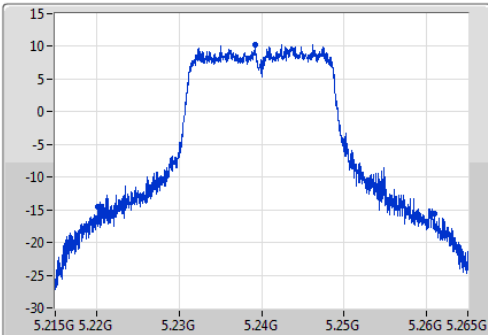
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
5.24GHz

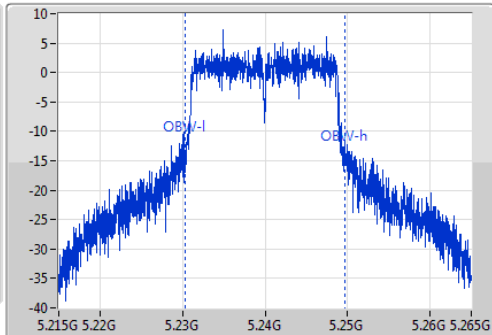
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.85M	5.2201G	5.26095G	19.315M	5.230305G	5.24962G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
5260MHz

05/05/2018

Ch Freq
5.26GHz

Span
50MHz

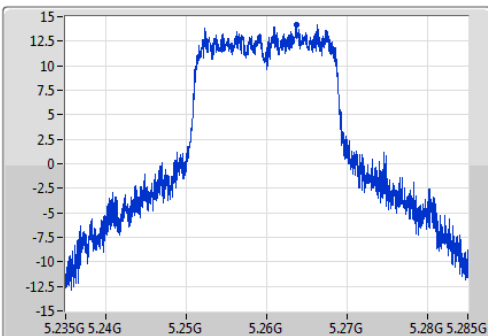
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
5.26GHz

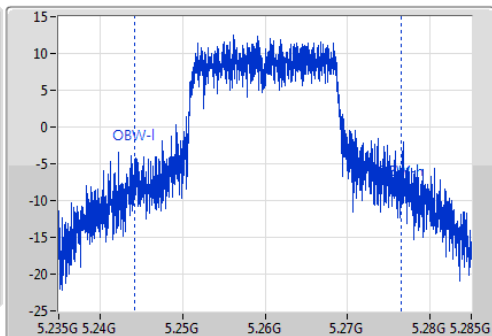
Span
50MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample

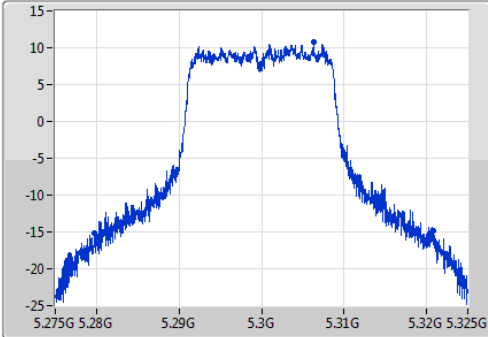


26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50M	5.235G	5.285G	32.284M	5.244233G	5.276517G	Inf	1

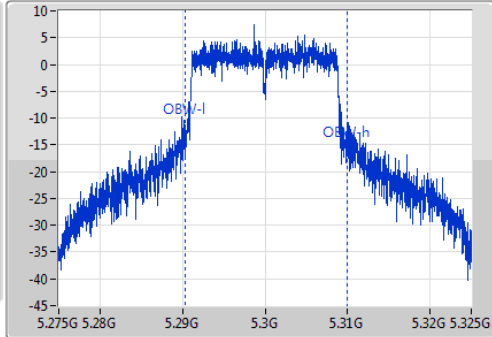
802.11n HT20_Nss1,(MCS0)_1TX
EBW
5300MHz

05/05/2018

Ch Freq
5.3GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



Ch Freq
5.3GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample
Port 1

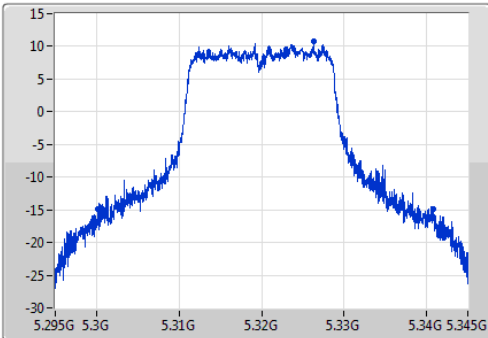


26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.075M	5.279775G	5.32085G	19.74M	5.290255G	5.309995G	Inf	1

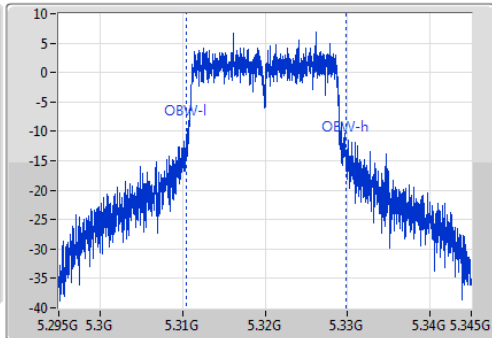
802.11n HT20_Nss1,(MCS0)_1TX
EBW
5320MHz

05/05/2018

Ch Freq
5.32GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



Ch Freq
5.32GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample
Port 1

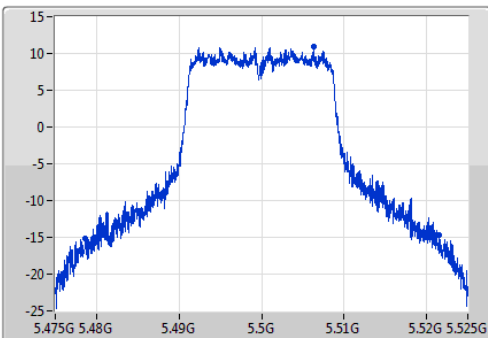


26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.625M	5.30015G	5.340775G	19.39M	5.310405G	5.329795G	Inf	1

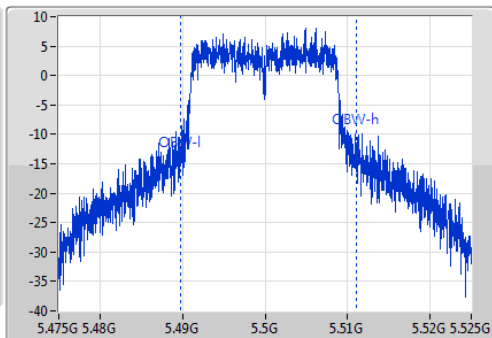
802.11n HT20_Nss1,(MCS0)_1TX
EBW
5500MHz

05/05/2018

Ch Freq
5.5GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



Ch Freq
5.5GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample
Port 1



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.925M	5.47865G	5.521575G	21.339M	5.489755G	5.511094G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
5580MHz

05/05/2018

Ch Freq
5.58GHz

Span
50MHz

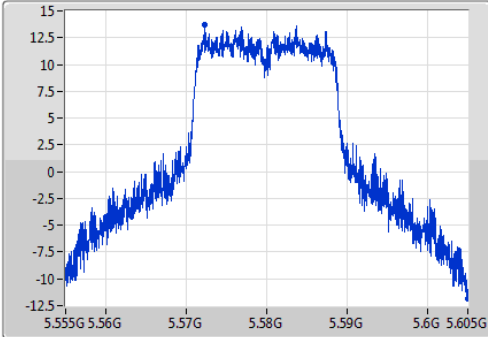
RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.58GHz

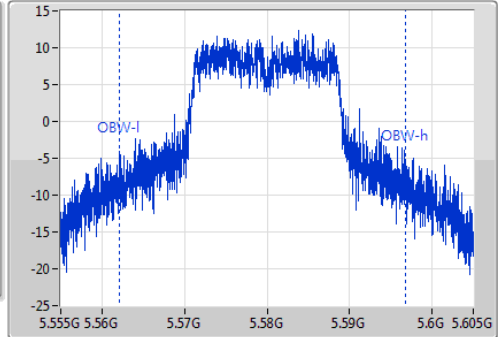
Span
50MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50M	5.555G	5.605G	34.708M	5.562134G	5.596842G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
5700MHz

05/05/2018

Ch Freq
5.7GHz

Span
50MHz

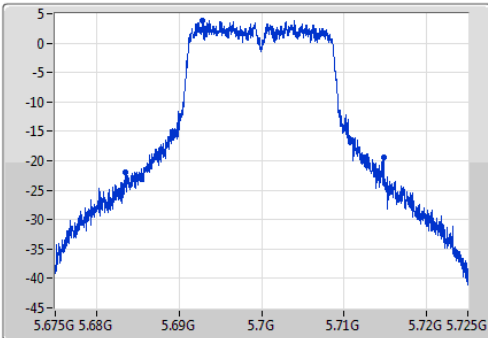
RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.7GHz

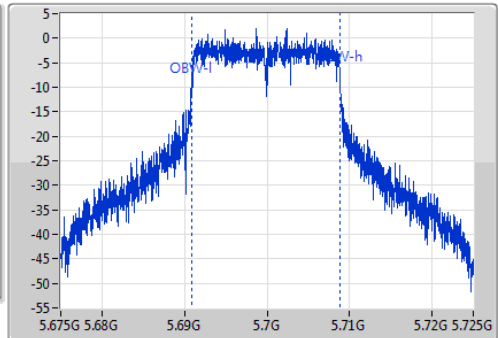
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.25M	5.68355G	5.7148G	18.016M	5.690855G	5.708871G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.47-5.725GHz

05/05/2018

Ch Freq
5.71GHz

Span
30MHz

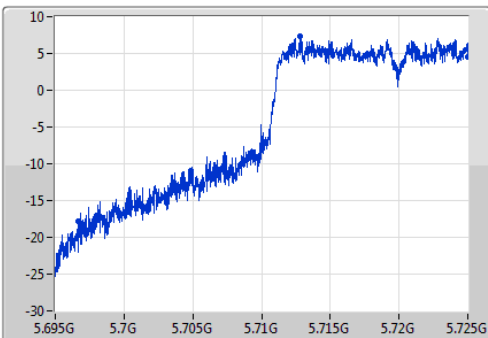
RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak

Port 1



Ch Freq
5.71GHz

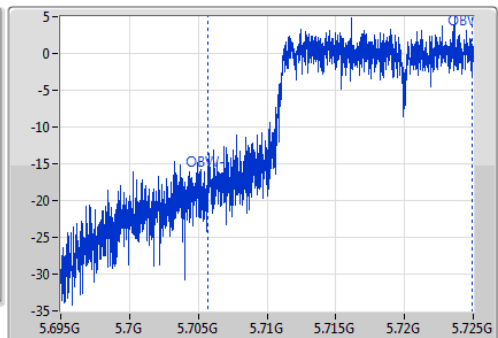
Span
30MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

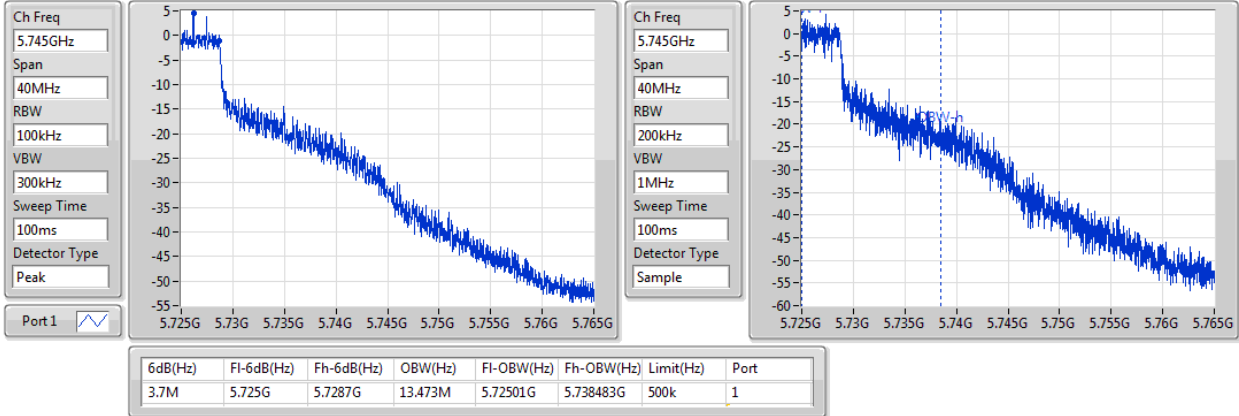
Detector Type
Sample



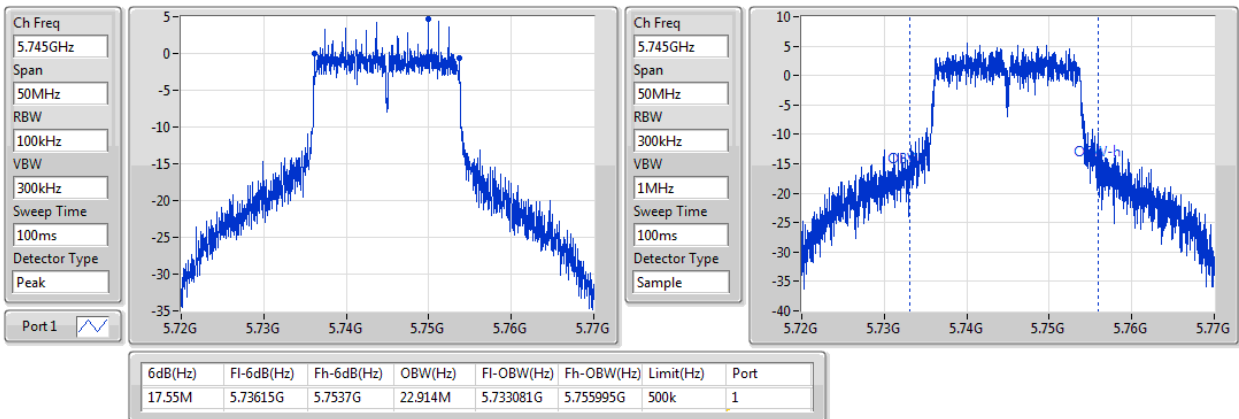
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.29M	5.69671G	5.725G	19.19M	5.705727G	5.724918G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

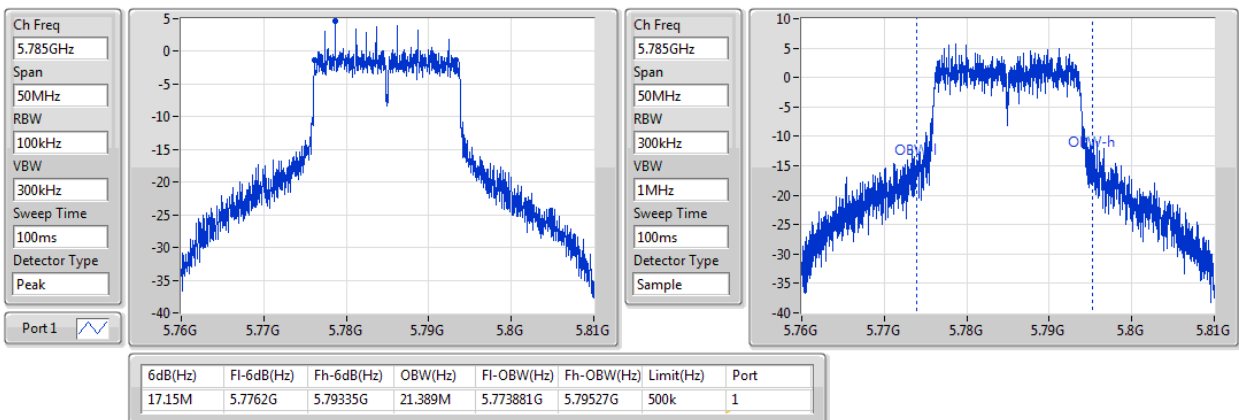
05/05/2018


802.11n HT20_Nss1,(MCS0)_1TX
EBW
5745MHz

05/05/2018


802.11n HT20_Nss1,(MCS0)_1TX
EBW
5785MHz

05/05/2018

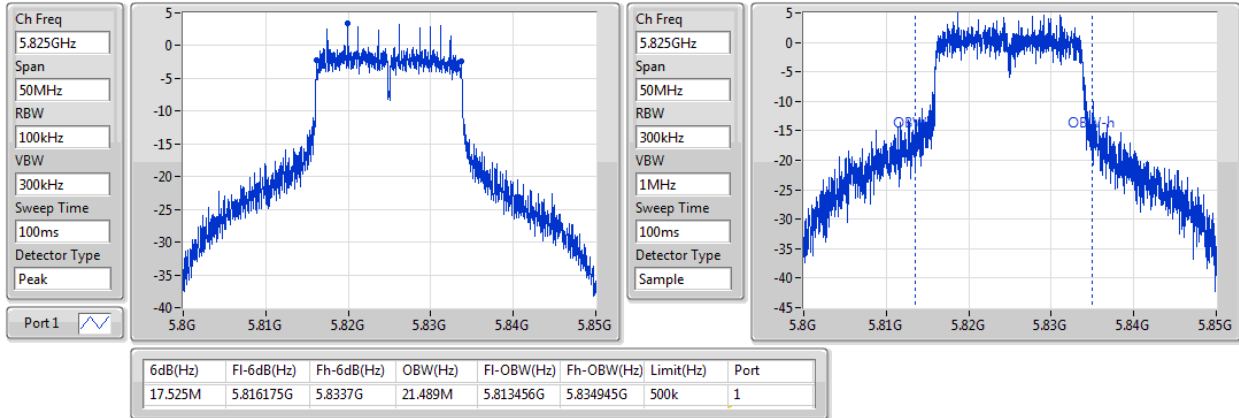


802.11n HT20_Nss1,(MCS0)_1TX

EBW

5825MHz

05/05/2018



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.81	0.03811	23.81	0.24044
802.11n HT20_Nss1,(MCS0)_1TX	15.92	0.03908	23.92	0.24660
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.91	0.03899	23.91	0.24604
802.11n HT20_Nss1,(MCS0)_1TX	15.91	0.03899	23.91	0.24604
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.92	0.03908	23.92	0.24660
802.11n HT20_Nss1,(MCS0)_1TX	15.94	0.03926	23.94	0.24774
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.72	0.03733	23.72	0.23550
802.11n HT20_Nss1,(MCS0)_1TX	15.78	0.03784	23.78	0.23878

Result (Antenna Gain 4 dBi)

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.00	15.55	15.55	24.00	19.55	30.00
5200MHz	Pass	4.00	15.81	15.81	24.00	19.81	30.00
5240MHz	Pass	4.00	15.81	15.81	24.00	19.81	30.00
5260MHz	Pass	4.00	15.74	15.74	24.00	19.74	30.00
5300MHz	Pass	4.00	15.90	15.90	24.00	19.90	30.00
5320MHz	Pass	4.00	15.91	15.91	24.00	19.91	30.00
5500MHz	Pass	4.00	15.73	15.73	24.00	19.73	30.00
5580MHz	Pass	4.00	15.92	15.92	24.00	19.92	30.00
5700MHz	Pass	4.00	14.54	14.54	24.00	18.54	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.00	14.71	14.71	24.00	18.71	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.00	8.48	8.48	30.00	12.48	36.00
5745MHz	Pass	4.00	15.72	15.72	30.00	19.72	36.00
5785MHz	Pass	4.00	15.38	15.38	30.00	19.38	36.00
5825MHz	Pass	4.00	14.13	14.13	30.00	18.13	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.00	14.91	14.91	24.00	18.91	30.00
5200MHz	Pass	4.00	15.88	15.88	24.00	19.88	30.00
5240MHz	Pass	4.00	15.92	15.92	24.00	19.92	30.00
5260MHz	Pass	4.00	15.91	15.91	24.00	19.91	30.00
5300MHz	Pass	4.00	15.70	15.70	24.00	19.70	30.00
5320MHz	Pass	4.00	15.80	15.80	24.00	19.80	30.00
5500MHz	Pass	4.00	15.72	15.72	24.00	19.72	30.00
5580MHz	Pass	4.00	15.94	15.94	24.00	19.94	30.00
5700MHz	Pass	4.00	13.18	13.18	24.00	17.18	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.00	14.72	14.72	24.00	18.72	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.00	8.94	8.94	30.00	12.94	36.00
5745MHz	Pass	4.00	15.78	15.78	30.00	19.78	36.00
5785MHz	Pass	4.00	15.31	15.31	30.00	19.31	36.00
5825MHz	Pass	4.00	14.66	14.66	30.00	18.66	36.00

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

Result (Antenna Gain 8 dBi)

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	8.00	15.55	15.55	22.00	23.55	30.00
5200MHz_TnomVnom	Pass	8.00	15.81	15.81	22.00	23.81	30.00
5240MHz_TnomVnom	Pass	8.00	15.81	15.81	22.00	23.81	30.00
5260MHz_TnomVnom	Pass	8.00	15.74	15.74	22.00	23.74	30.00
5300MHz_TnomVnom	Pass	8.00	15.90	15.90	22.00	23.90	30.00
5320MHz_TnomVnom	Pass	8.00	15.91	15.91	22.00	23.91	30.00
5500MHz_TnomVnom	Pass	8.00	15.73	15.73	22.00	23.73	30.00
5580MHz_TnomVnom	Pass	8.00	15.92	15.92	22.00	23.92	30.00
5700MHz_TnomVnom	Pass	8.00	14.54	14.54	22.00	22.54	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	14.71	14.71	22.00	22.71	30.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	8.48	8.48	28.00	16.48	36.00
5745MHz_TnomVnom	Pass	8.00	15.72	15.72	28.00	23.72	36.00
5785MHz_TnomVnom	Pass	8.00	15.38	15.38	28.00	23.38	36.00
5825MHz_TnomVnom	Pass	8.00	14.13	14.13	28.00	22.13	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	8.00	14.91	14.91	22.00	22.91	30.00
5200MHz_TnomVnom	Pass	8.00	15.88	15.88	22.00	23.88	30.00
5240MHz_TnomVnom	Pass	8.00	15.92	15.92	22.00	23.92	30.00
5260MHz_TnomVnom	Pass	8.00	15.91	15.91	22.00	23.91	30.00
5300MHz_TnomVnom	Pass	8.00	15.70	15.70	22.00	23.70	30.00
5320MHz_TnomVnom	Pass	8.00	15.80	15.80	22.00	23.80	30.00
5500MHz_TnomVnom	Pass	8.00	15.72	15.72	22.00	23.72	30.00
5580MHz_TnomVnom	Pass	8.00	15.94	15.94	22.00	23.94	30.00
5700MHz_TnomVnom	Pass	8.00	13.18	13.18	22.00	21.18	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	14.72	14.72	22.00	22.72	30.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	8.94	8.94	28.00	16.94	36.00
5745MHz_TnomVnom	Pass	8.00	15.78	15.78	28.00	23.78	36.00
5785MHz_TnomVnom	Pass	8.00	15.31	15.31	28.00	23.31	36.00
5825MHz_TnomVnom	Pass	8.00	14.66	14.66	28.00	22.66	36.00

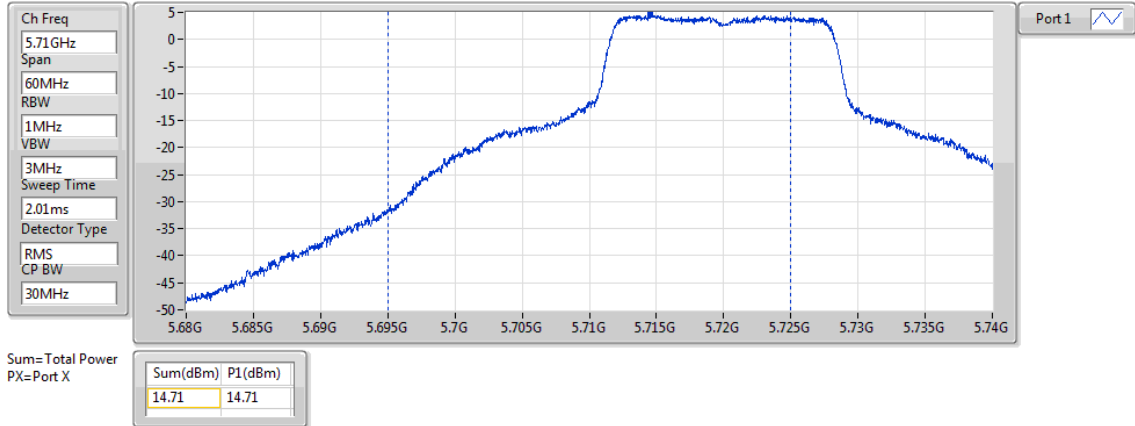
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/05/2018

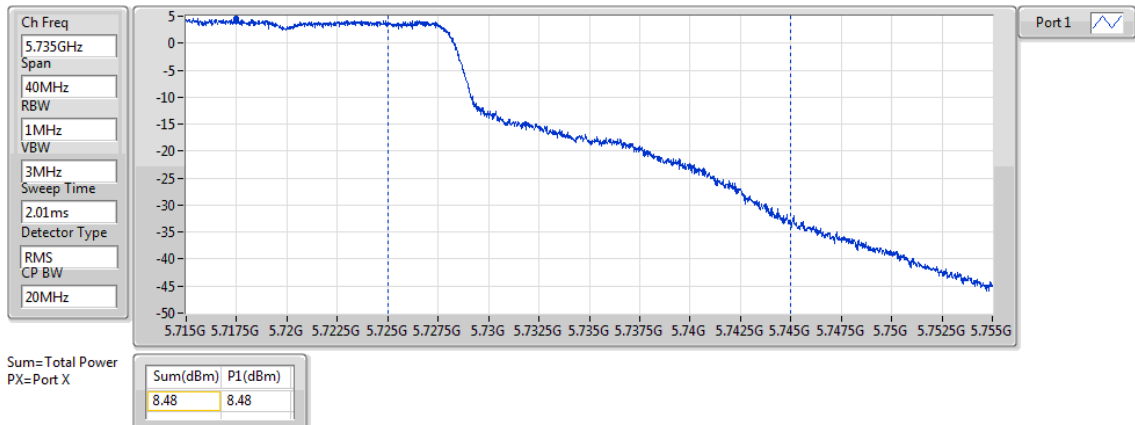


802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/05/2018

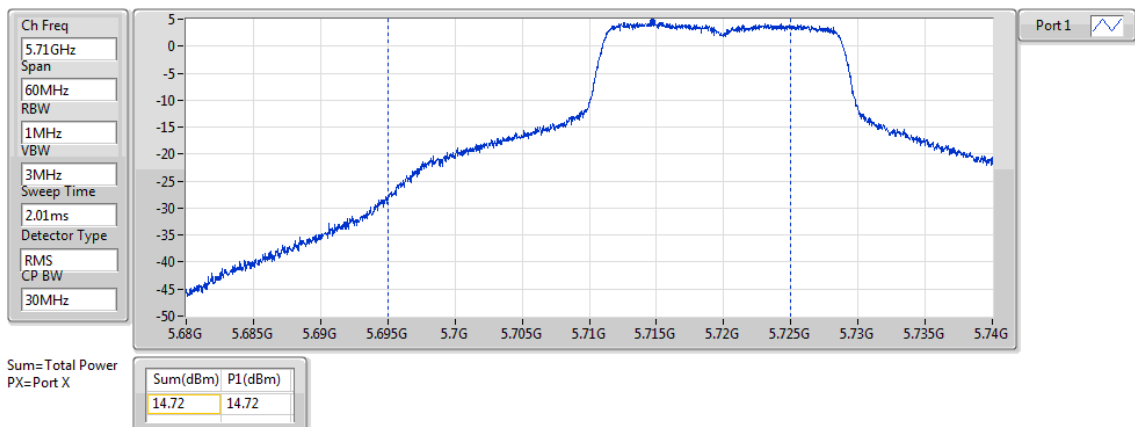


802.11n HT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/05/2018

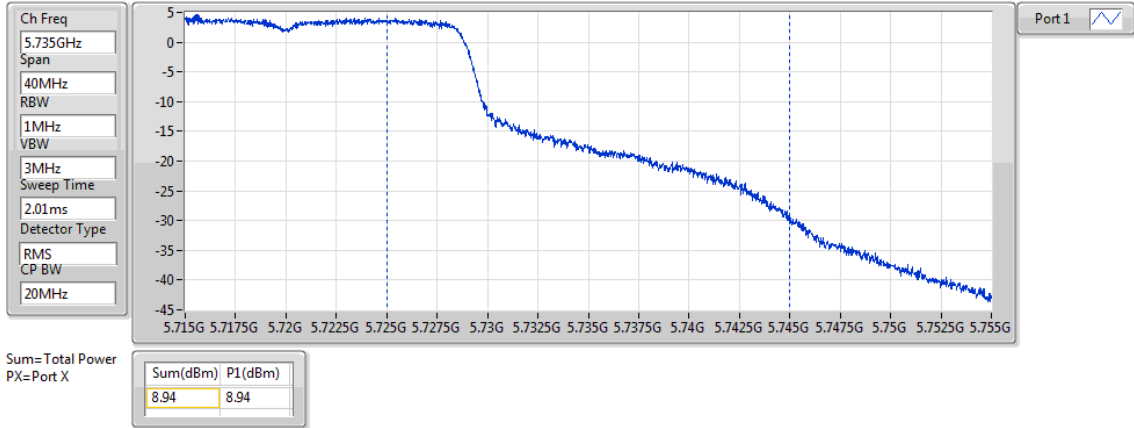


802.11n HT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/05/2018



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.19	11.19
802.11n HT20_Nss1,(MCS0)_1TX	2.83	10.83
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.39	11.39
802.11n HT20_Nss1,(MCS0)_1TX	2.89	10.89
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.20	11.20
802.11n HT20_Nss1,(MCS0)_1TX	3.01	11.01
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	0.91	8.91
802.11n HT20_Nss1,(MCS0)_1TX	0.55	8.55

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

Result (Antenna Gain 4 dBi)

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.00	1.76	1.76	11.00	5.76	17.00
5200MHz	Pass	4.00	3.02	3.02	11.00	7.02	17.00
5240MHz	Pass	4.00	3.19	3.19	11.00	7.19	17.00
5260MHz	Pass	4.00	3.15	3.15	11.00	7.15	17.00
5300MHz	Pass	4.00	3.39	3.39	11.00	7.39	17.00
5320MHz	Pass	4.00	2.71	2.71	11.00	6.71	17.00
5500MHz	Pass	4.00	2.87	2.87	11.00	6.87	17.00
5580MHz	Pass	4.00	3.20	3.20	11.00	7.20	17.00
5700MHz	Pass	4.00	1.19	1.19	11.00	5.19	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.00	2.87	2.87	11.00	6.87	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.00	0.88	0.88	30.00	4.88	36.00
5745MHz	Pass	4.00	0.91	0.91	30.00	4.91	36.00
5785MHz	Pass	4.00	0.64	0.64	30.00	4.64	36.00
5825MHz	Pass	4.00	-0.59	-0.59	30.00	3.41	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.00	1.16	1.16	11.00	5.16	17.00
5200MHz	Pass	4.00	2.74	2.74	11.00	6.74	17.00
5240MHz	Pass	4.00	2.83	2.83	11.00	6.83	17.00
5260MHz	Pass	4.00	2.89	2.89	11.00	6.89	17.00
5300MHz	Pass	4.00	2.60	2.60	11.00	6.60	17.00
5320MHz	Pass	4.00	2.81	2.81	11.00	6.81	17.00
5500MHz	Pass	4.00	2.78	2.78	11.00	6.78	17.00
5580MHz	Pass	4.00	3.01	3.01	11.00	7.01	17.00
5700MHz	Pass	4.00	-0.48	-0.48	11.00	3.52	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.00	2.45	2.45	11.00	6.45	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.00	0.55	0.55	30.00	4.55	36.00
5745MHz	Pass	4.00	0.50	0.50	30.00	4.50	36.00
5785MHz	Pass	4.00	-0.06	-0.06	30.00	3.94	36.00
5825MHz	Pass	4.00	-0.66	-0.66	30.00	3.34	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;

Result (Antenna Gain 8 dBi)

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	8.00	1.76	1.76	9.00	9.76	17.00
5200MHz_TnomVnom	Pass	8.00	3.02	3.02	9.00	11.02	17.00
5240MHz_TnomVnom	Pass	8.00	3.19	3.19	9.00	11.19	17.00
5260MHz_TnomVnom	Pass	8.00	3.15	3.15	9.00	11.15	17.00
5300MHz_TnomVnom	Pass	8.00	3.39	3.39	9.00	11.39	17.00
5320MHz_TnomVnom	Pass	8.00	2.71	2.71	9.00	10.71	17.00
5500MHz_TnomVnom	Pass	8.00	2.87	2.87	9.00	10.87	17.00
5580MHz_TnomVnom	Pass	8.00	3.20	3.20	9.00	11.20	17.00
5700MHz_TnomVnom	Pass	8.00	1.19	1.19	9.00	9.19	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	2.87	2.87	9.00	10.87	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	0.88	0.88	28.00	8.88	36.00
5745MHz_TnomVnom	Pass	8.00	0.91	0.91	28.00	8.91	36.00
5785MHz_TnomVnom	Pass	8.00	0.64	0.64	28.00	8.64	36.00
5825MHz_TnomVnom	Pass	8.00	-0.59	-0.59	28.00	7.41	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	8.00	1.16	1.16	9.00	9.16	17.00
5200MHz_TnomVnom	Pass	8.00	2.74	2.74	9.00	10.74	17.00
5240MHz_TnomVnom	Pass	8.00	2.83	2.83	9.00	10.83	17.00
5260MHz_TnomVnom	Pass	8.00	2.89	2.89	9.00	10.89	17.00
5300MHz_TnomVnom	Pass	8.00	2.60	2.60	9.00	10.60	17.00
5320MHz_TnomVnom	Pass	8.00	2.81	2.81	9.00	10.81	17.00
5500MHz_TnomVnom	Pass	8.00	2.78	2.78	9.00	10.78	17.00
5580MHz_TnomVnom	Pass	8.00	3.01	3.01	9.00	11.01	17.00
5700MHz_TnomVnom	Pass	8.00	-0.48	-0.48	9.00	7.52	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	2.45	2.45	9.00	10.45	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	0.55	0.55	28.00	8.55	36.00
5745MHz_TnomVnom	Pass	8.00	0.50	0.50	28.00	8.50	36.00
5785MHz_TnomVnom	Pass	8.00	-0.06	-0.06	28.00	7.94	36.00
5825MHz_TnomVnom	Pass	8.00	-0.66	-0.66	28.00	7.34	36.00

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

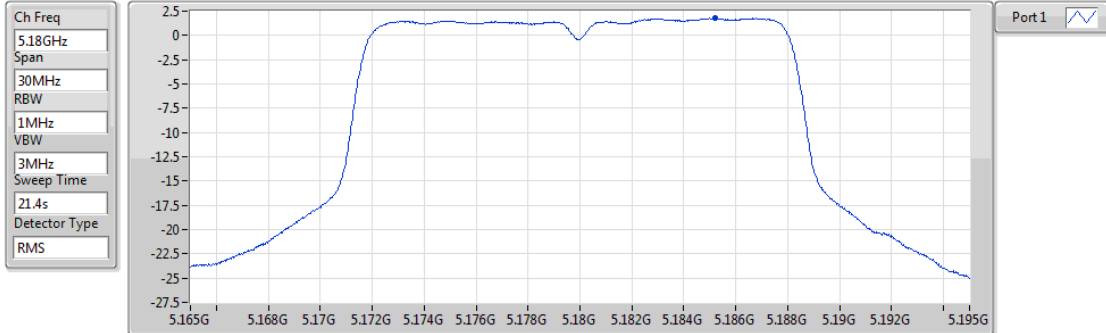
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

05/05/2018



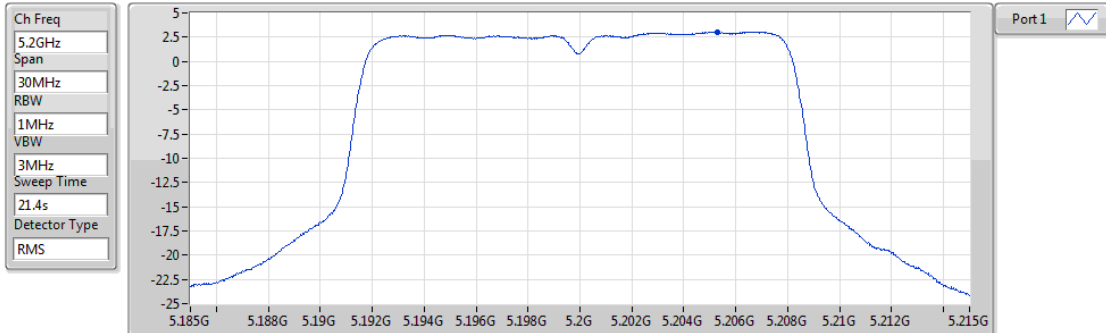
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.76	1.76	1.76

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

08/05/2018



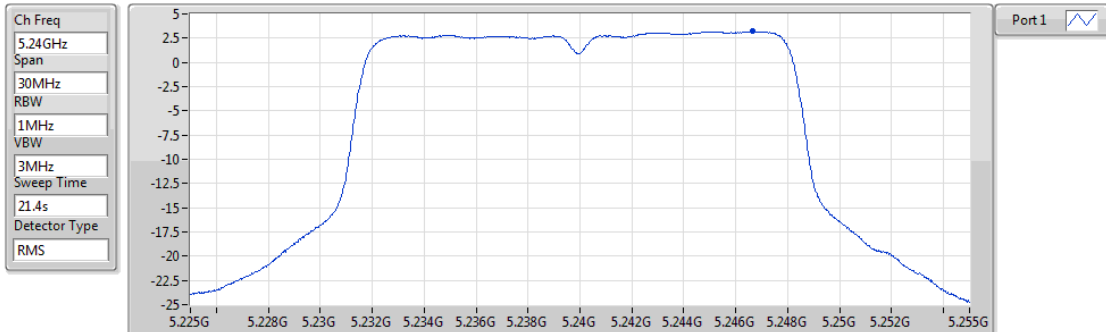
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.02	3.02	3.02

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

08/05/2018



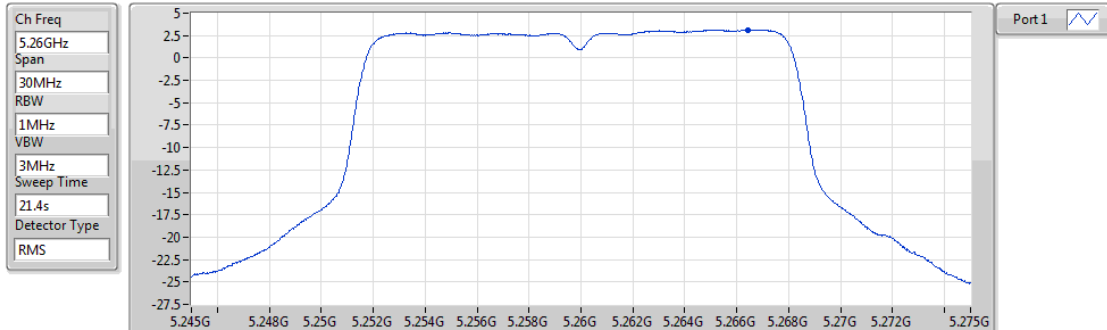
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.19	3.19	3.19

802.11a_Nss1,(6Mbps)_1TX

PSD

5260MHz

08/05/2018

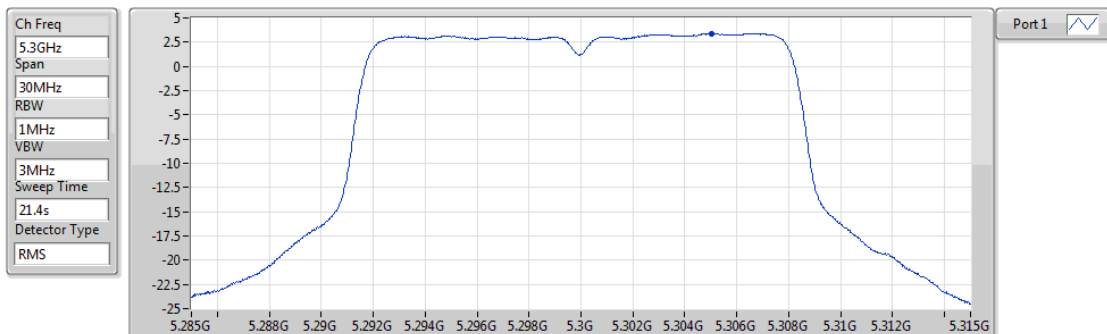


802.11a_Nss1,(6Mbps)_1TX

PSD

5300MHz

08/05/2018

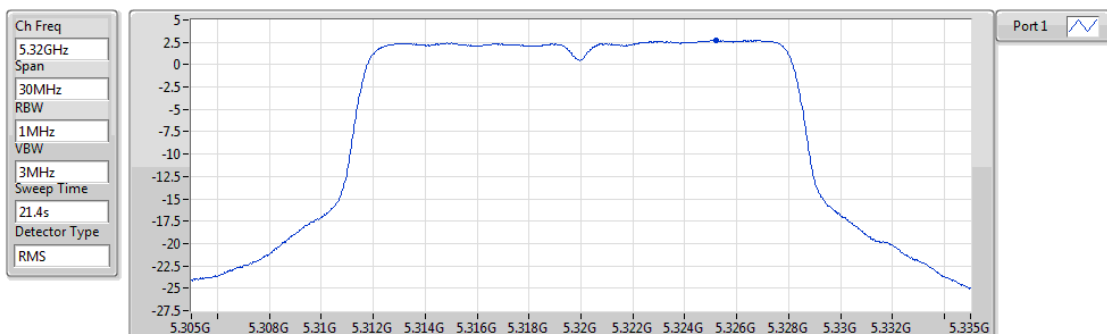


802.11a_Nss1,(6Mbps)_1TX

PSD

5320MHz

08/05/2018

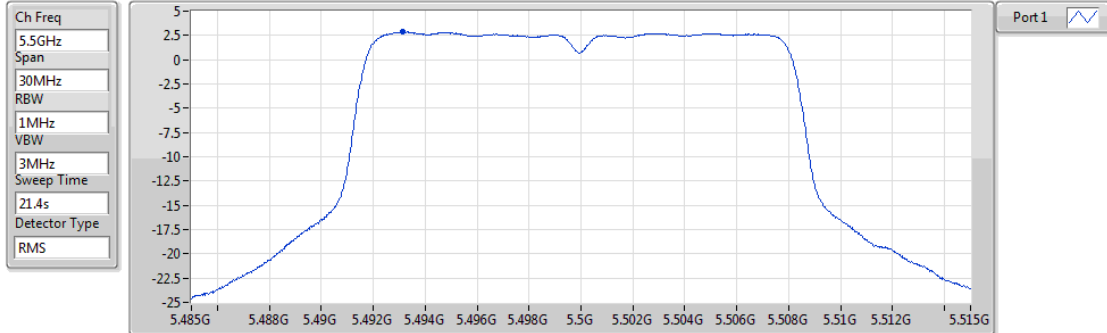


802.11a_Nss1,(6Mbps)_1TX

PSD

5500MHz

08/05/2018



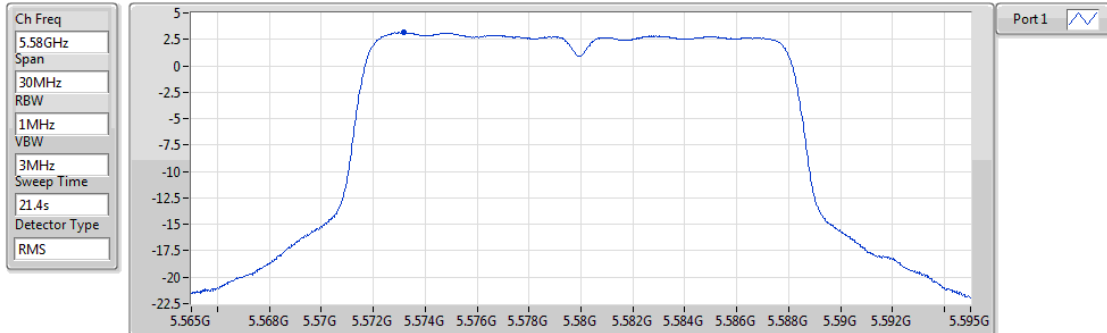
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.87	2.87	2.87

802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

08/05/2018



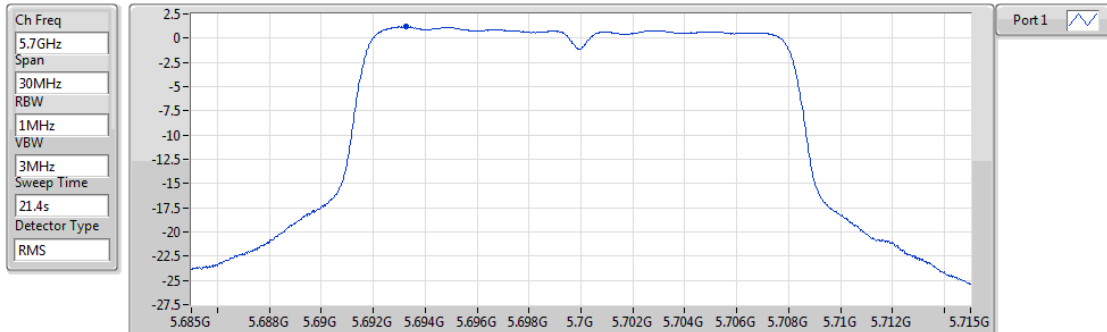
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.20	3.20	3.20

802.11a_Nss1,(6Mbps)_1TX

PSD

5700MHz

05/05/2018



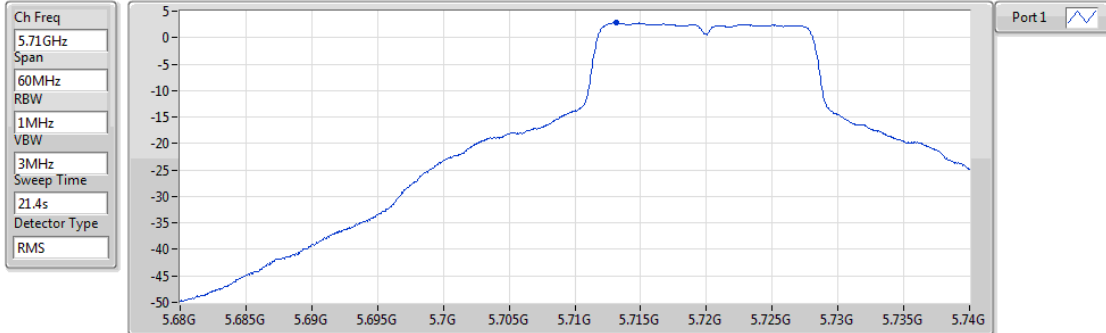
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.19	1.19	1.19

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

05/05/2018



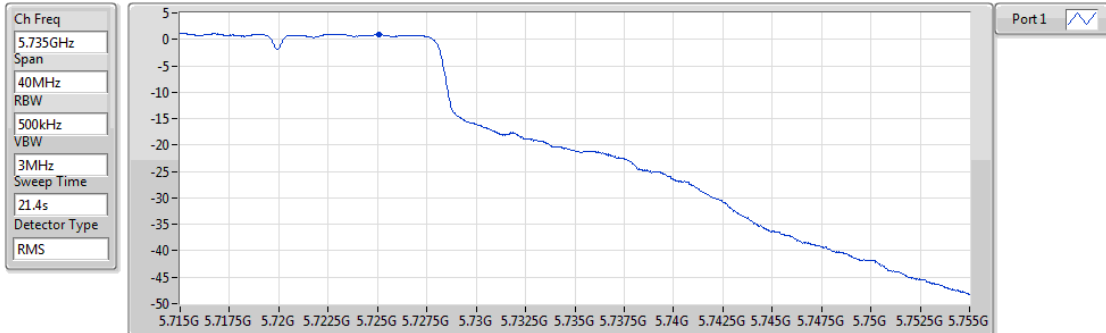
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.87	2.87	2.87

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

05/05/2018



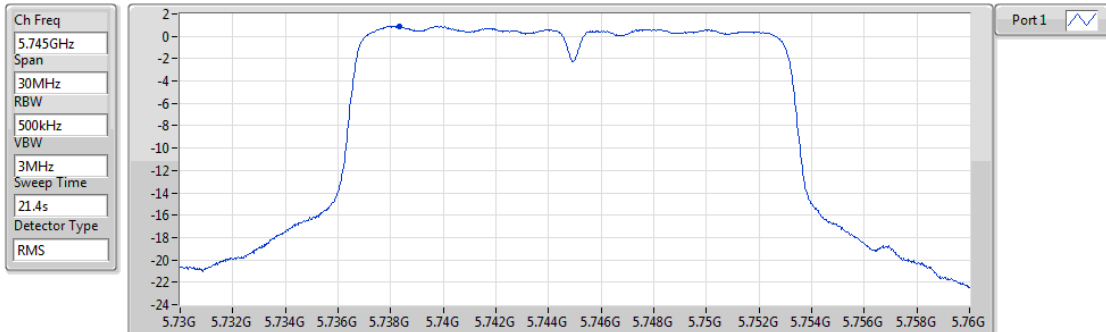
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.88	0.88	0.88

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

05/05/2018



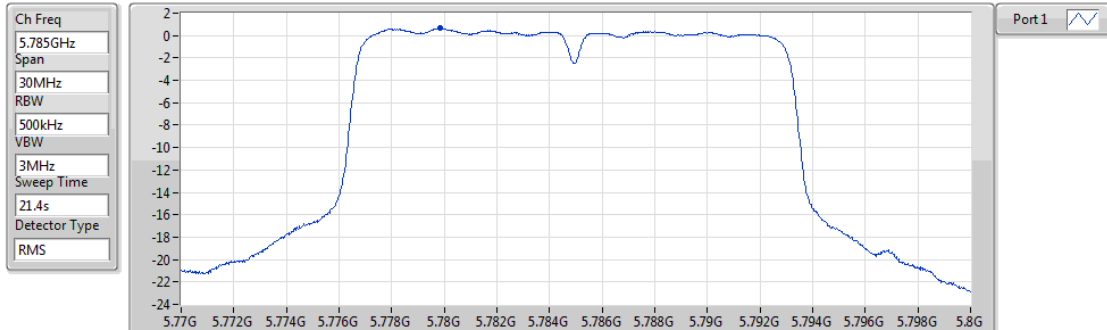
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.91	0.91	0.91

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

05/05/2018



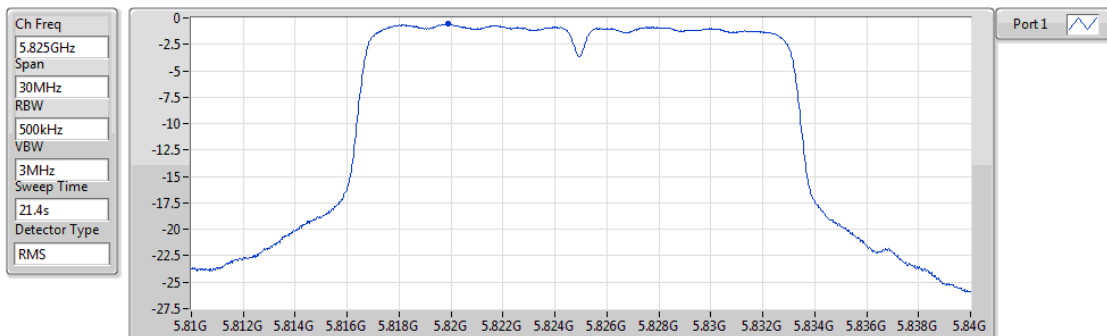
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.64	0.64	0.64

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

05/05/2018



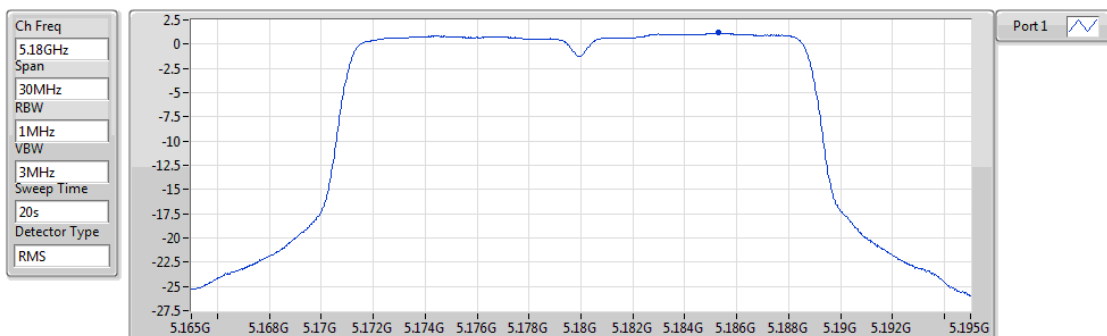
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-0.59

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5180MHz

05/05/2018



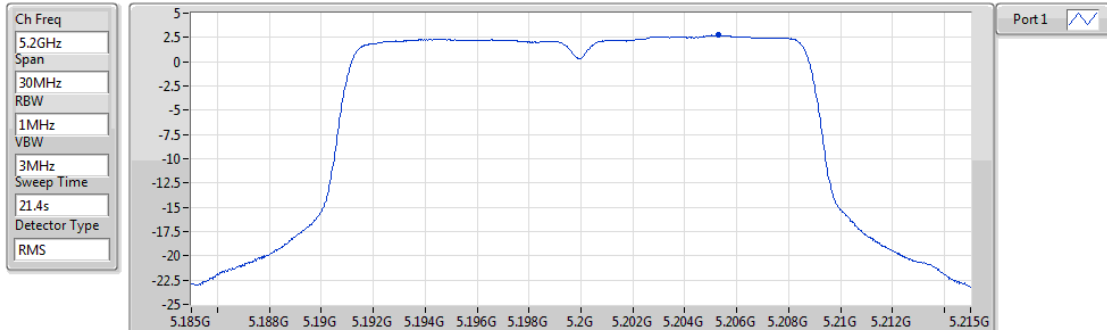
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.16	1.16	1.16

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5200MHz

08/05/2018



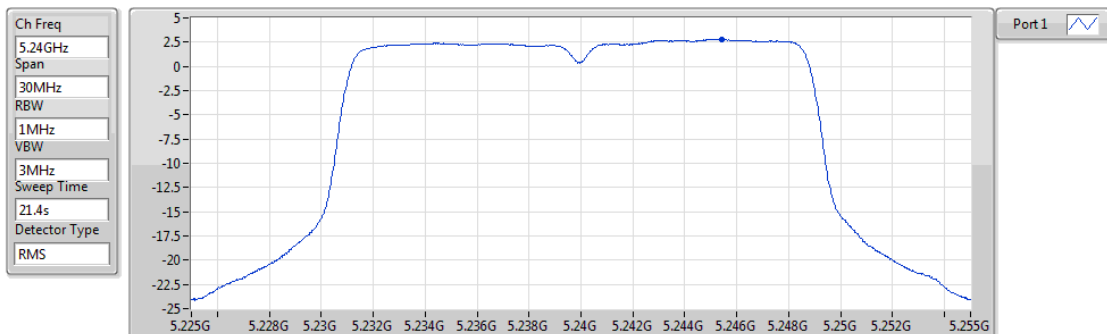
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	2.74

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5240MHz

08/05/2018



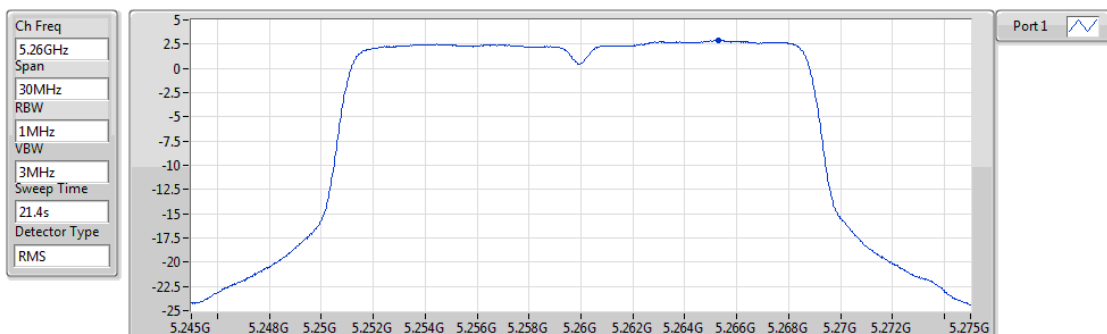
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.83	2.83	2.83

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5260MHz

08/05/2018



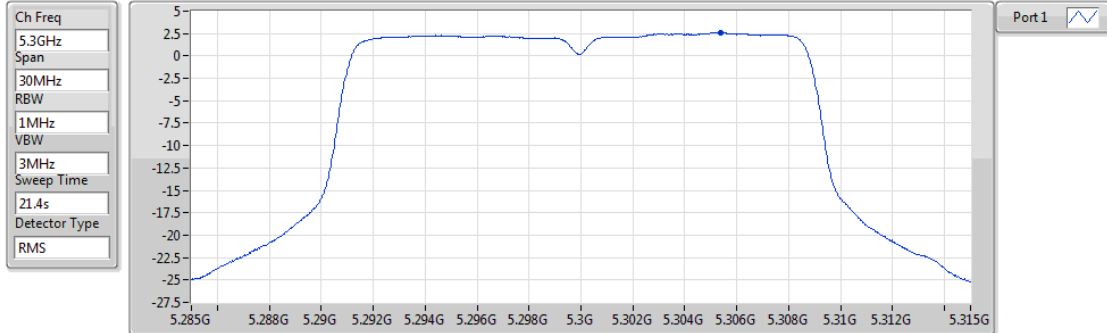
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.89	2.89	2.89

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5300MHz

08/05/2018



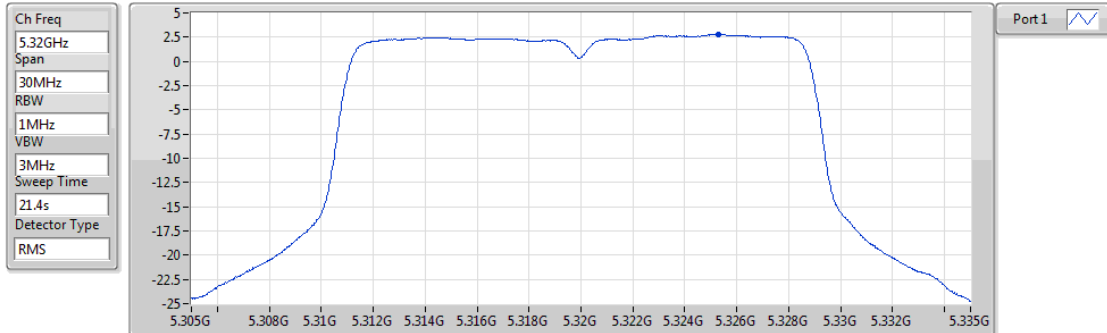
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.60	2.60	2.60

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5320MHz

08/05/2018



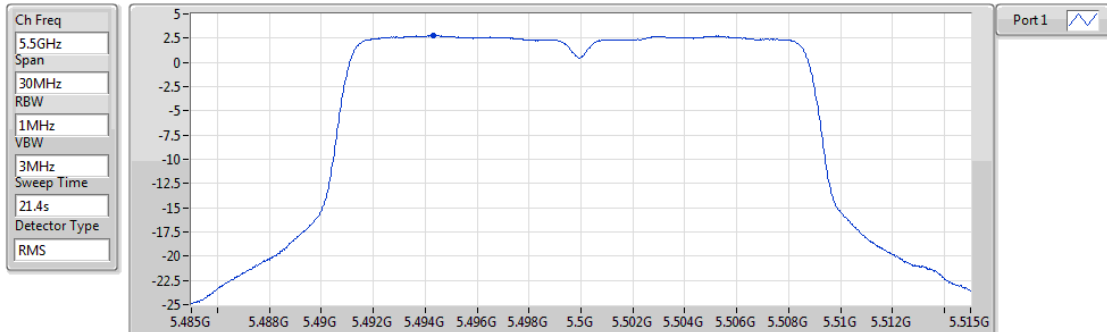
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.81	2.81	2.81

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5500MHz

08/05/2018



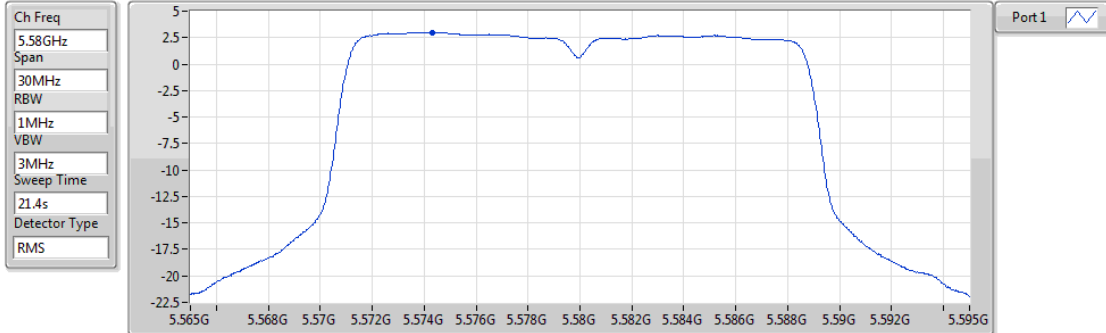
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.78	2.78	2.78

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5580MHz

08/05/2018



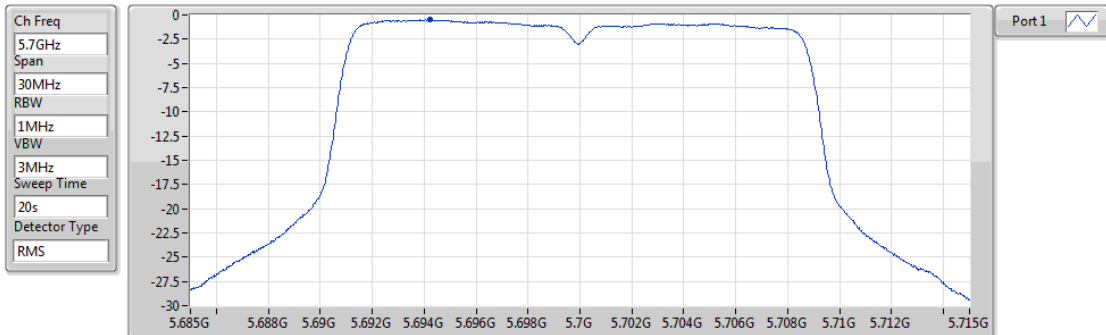
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.01	3.01	3.01

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5700MHz

05/05/2018



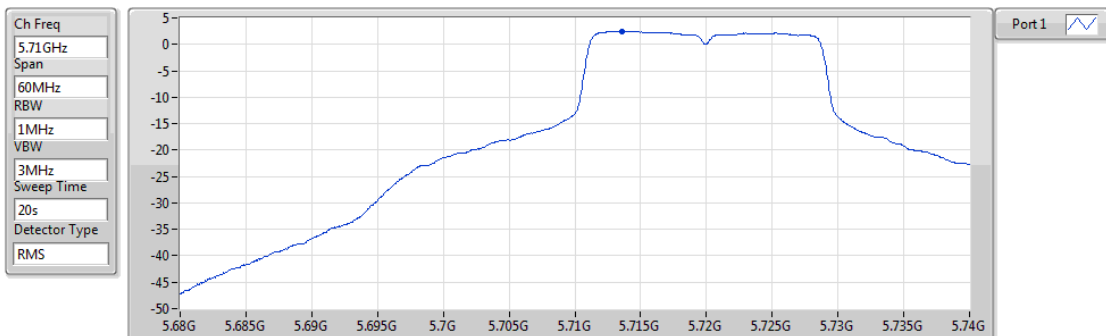
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.48	-0.48	-0.48

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

05/05/2018



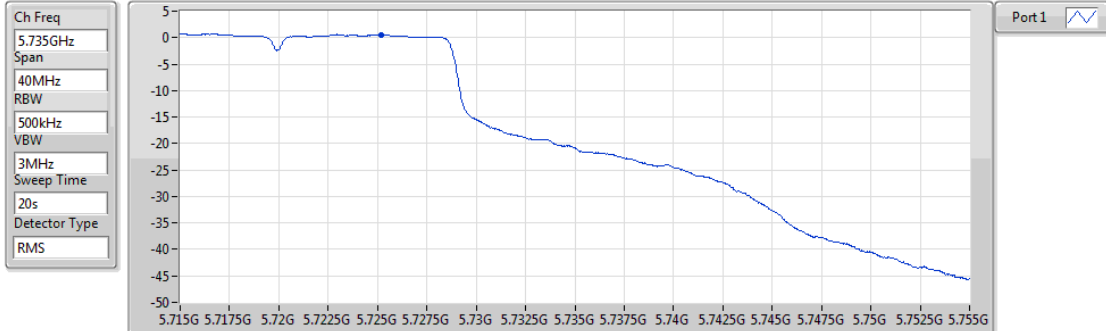
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.45	2.45	2.45

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

05/05/2018



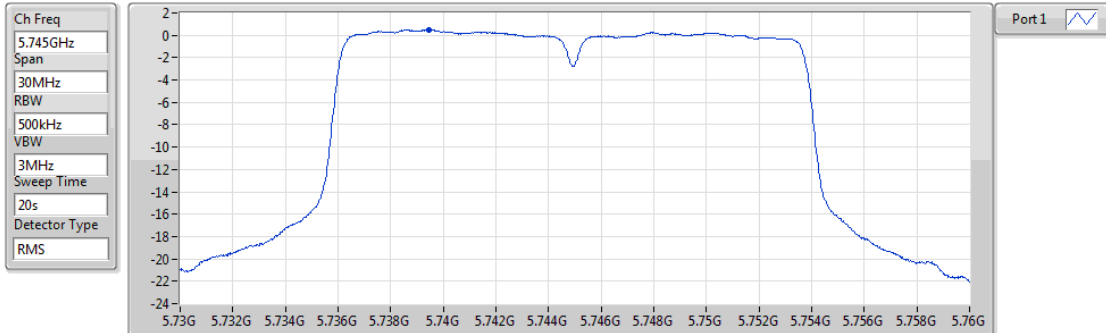
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.55	0.55	0.55

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5745MHz

05/05/2018



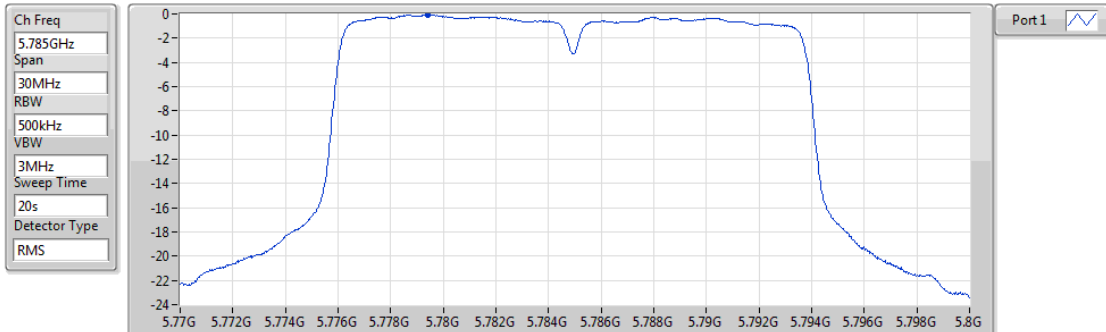
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.50	0.50	0.50

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5785MHz

05/05/2018



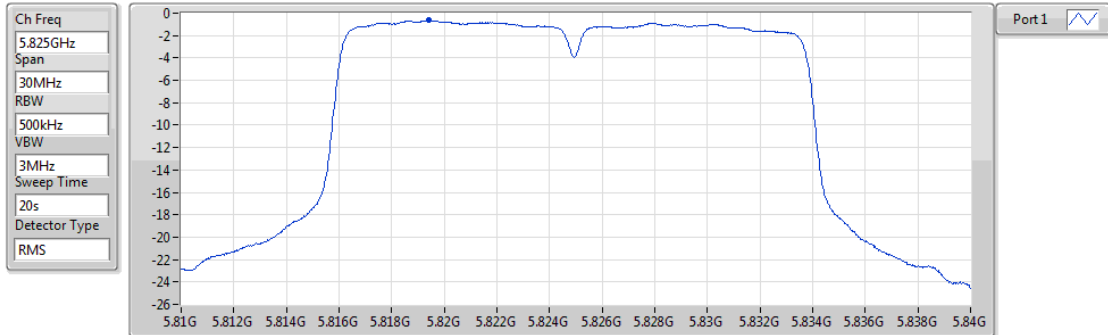
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.06	-0.06	-0.06

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5825MHz

05/05/2018



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.66	-0.66	-0.66

**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	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	QP	33.88M	38.60	40.00	-1.40	-4.73	3	Vertical	207	1.00	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	QP	33.88M	35.01	40.00	-4.99	-4.73	3	Vertical	205	1.03	-

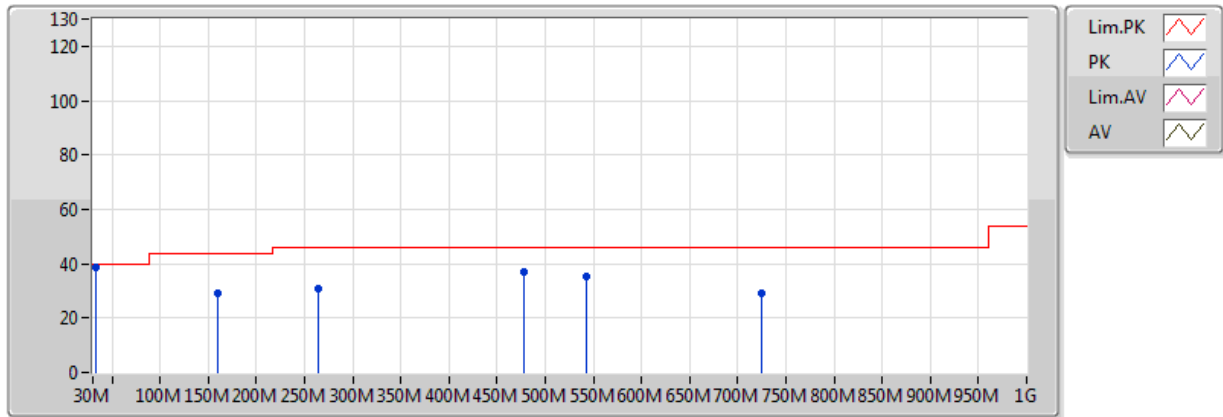
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5200MHz	Pass	PK	159.98M	29.18	43.50	-14.32	-9.97	3	Vertical	360	1.00	-
5200MHz	Pass	PK	264.74M	30.84	46.00	-15.16	-5.86	3	Vertical	360	1.00	-
5200MHz	Pass	PK	478.14M	36.90	46.00	-9.10	-1.73	3	Vertical	360	1.00	-
5200MHz	Pass	PK	542.16M	35.28	46.00	-10.72	-0.28	3	Vertical	360	1.00	-
5200MHz	Pass	PK	724.52M	29.17	46.00	-16.83	0.96	3	Vertical	360	1.00	-
5200MHz	Pass	QP	33.88M	38.60	40.00	-1.40	-4.73	3	Vertical	207	1.00	-
5200MHz	Pass	PK	33.88M	30.86	40.00	-9.14	-4.73	3	Horizontal	0	1.00	-
5200MHz	Pass	PK	194.9M	30.10	43.50	-13.40	-10.27	3	Horizontal	0	1.00	-
5200MHz	Pass	PK	239.52M	39.39	46.00	-6.61	-7.70	3	Horizontal	0	1.00	-
5200MHz	Pass	PK	363.68M	29.95	46.00	-16.05	-4.27	3	Horizontal	0	1.00	-
5200MHz	Pass	PK	530.52M	35.90	46.00	-10.10	-1.07	3	Horizontal	0	1.00	-
5200MHz	Pass	PK	600.36M	30.78	46.00	-15.22	-0.54	3	Horizontal	0	1.00	-
5580MHz	Pass	PK	161.92M	29.64	43.50	-13.86	-9.92	3	Vertical	360	1.00	-
5580MHz	Pass	PK	264.74M	31.32	46.00	-14.68	-5.86	3	Vertical	360	1.00	-
5580MHz	Pass	PK	472.32M	36.92	46.00	-9.08	-1.78	3	Vertical	360	1.00	-
5580MHz	Pass	PK	534.4M	35.18	46.00	-10.82	-0.74	3	Vertical	360	1.00	-
5580MHz	Pass	PK	705.12M	28.42	46.00	-17.58	0.37	3	Vertical	360	1.00	-
5580MHz	Pass	QP	33.88M	35.01	40.00	-4.99	-4.73	3	Vertical	205	1.03	-
5580MHz	Pass	PK	33.88M	28.18	40.00	-11.82	-4.73	3	Horizontal	0	1.00	-
5580MHz	Pass	PK	192.96M	29.05	43.50	-14.45	-10.38	3	Horizontal	0	1.00	-
5580MHz	Pass	PK	233.7M	39.17	46.00	-6.83	-8.49	3	Horizontal	0	1.00	-
5580MHz	Pass	PK	462.62M	32.19	46.00	-13.81	-2.04	3	Horizontal	0	1.00	-
5580MHz	Pass	PK	524.7M	34.43	46.00	-11.57	-1.39	3	Horizontal	0	1.00	-
5580MHz	Pass	PK	730.34M	29.54	46.00	-16.46	1.16	3	Horizontal	0	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

5200MHz_PoE

12/05/2018

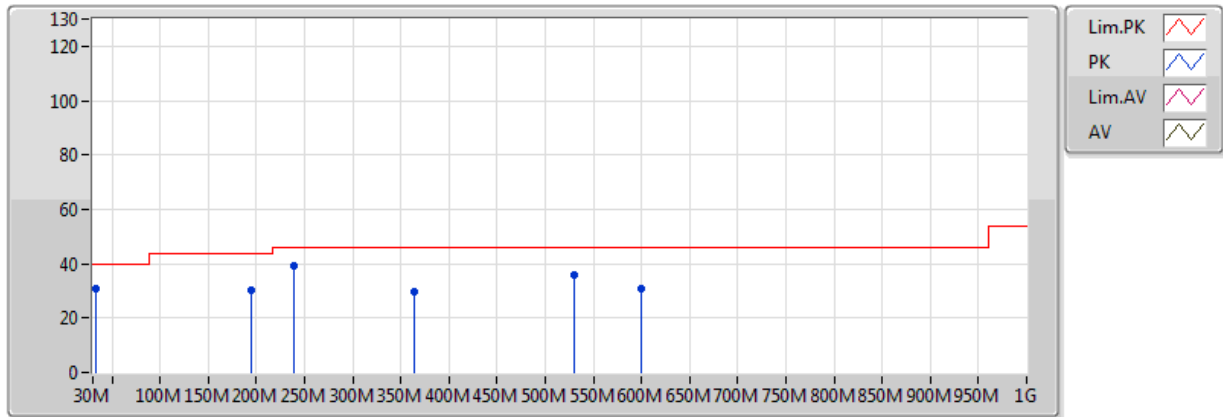


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	159.98M	29.18	43.50	-14.32	-9.97	3	Vertical	360	1.00	-
PK	264.74M	30.84	46.00	-15.16	-5.86	3	Vertical	360	1.00	-
PK	478.14M	36.90	46.00	-9.10	-1.73	3	Vertical	360	1.00	-
PK	542.16M	35.28	46.00	-10.72	-0.28	3	Vertical	360	1.00	-
PK	724.52M	29.17	46.00	-16.83	0.96	3	Vertical	360	1.00	-
QP	33.88M	38.60	40.00	-1.40	-4.73	3	Vertical	207	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

5200MHz_PoE

12/05/2018

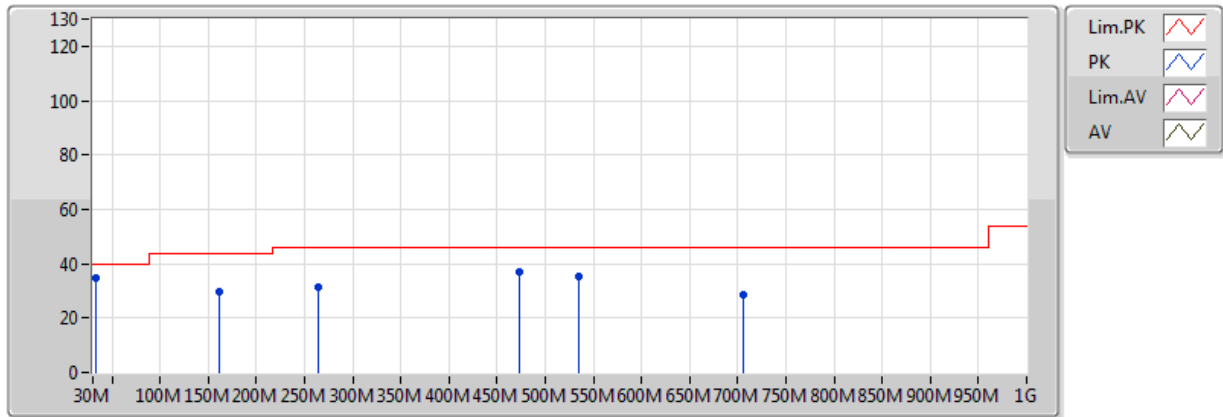


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	33.88M	30.86	40.00	-9.14	-4.73	3	Horizontal	0	1.00	-
PK	194.9M	30.10	43.50	-13.40	-10.27	3	Horizontal	0	1.00	-
PK	239.52M	39.39	46.00	-6.61	-7.70	3	Horizontal	0	1.00	-
PK	363.68M	29.95	46.00	-16.05	-4.27	3	Horizontal	0	1.00	-
PK	530.52M	35.90	46.00	-10.10	-1.07	3	Horizontal	0	1.00	-
PK	600.36M	30.78	46.00	-15.22	-0.54	3	Horizontal	0	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

5580MHz_PoE

12/05/2018

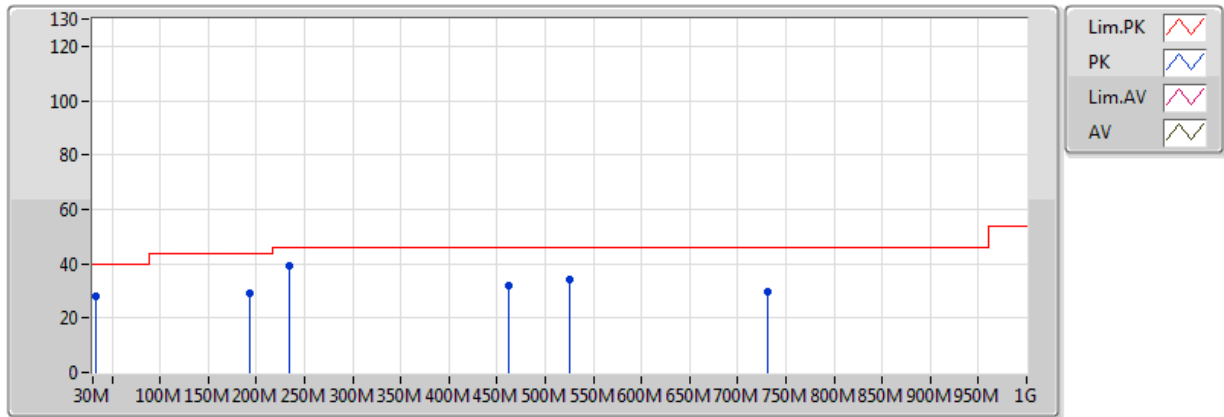


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	161.92M	29.64	43.50	-13.86	-9.92	3	Vertical	360	1.00	-
PK	264.74M	31.32	46.00	-14.68	-5.86	3	Vertical	360	1.00	-
PK	472.32M	36.92	46.00	-9.08	-1.78	3	Vertical	360	1.00	-
PK	534.4M	35.18	46.00	-10.82	-0.74	3	Vertical	360	1.00	-
PK	705.12M	28.42	46.00	-17.58	0.37	3	Vertical	360	1.00	-
QP	33.88M	35.01	40.00	-4.99	-4.73	3	Vertical	205	1.03	-

802.11n HT20_Nss1,(MCS0)_1TX

5580MHz_PoE

12/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	33.88M	28.18	40.00	-11.82	-4.73	3	Horizontal	0	1.00	-
PK	192.96M	29.05	43.50	-14.45	-10.38	3	Horizontal	0	1.00	-
PK	233.7M	39.17	46.00	-6.83	-8.49	3	Horizontal	0	1.00	-
PK	462.62M	32.19	46.00	-13.81	-2.04	3	Horizontal	0	1.00	-
PK	524.7M	34.43	46.00	-11.57	-1.39	3	Horizontal	0	1.00	-
PK	730.34M	29.54	46.00	-16.46	1.16	3	Horizontal	0	1.00	-

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	53.74	54.00	-0.26	5.13	3	Vertical	175	1.21	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	5.1496G	53.65	54.00	-0.35	5.13	3	Vertical	182	1.46	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	5.350005G	53.30	54.00	-0.70	5.36	3	Vertical	189	1.47	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	5.350005G	53.78	54.00	-0.22	5.36	3	Vertical	185	1.59	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	11.43976G	53.72	54.00	-0.28	13.89	3	Horizontal	50	1.52	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	5.4684G	68.01	68.20	-0.19	5.49	3	Horizontal	172	1.06	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	11.5702G	53.82	54.00	-0.18	14.20	3	Horizontal	45	1.50	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	11.5698G	53.78	54.00	-0.22	14.20	3	Horizontal	54	2.19	-

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	47.61	54.00	-6.39	5.13	3	Horizontal	166	2.43	-
5180MHz	Pass	AV	5.1834G	93.83	Inf	-Inf	5.17	3	Horizontal	166	2.43	-
5180MHz	Pass	PK	5.1496G	61.27	74.00	-12.73	5.13	3	Horizontal	166	2.43	-
5180MHz	Pass	PK	5.1858G	103.21	Inf	-Inf	5.17	3	Horizontal	166	2.43	-
5180MHz	Pass	AV	5.149995G	53.72	54.00	-0.28	5.13	3	Vertical	176	1.24	-
5180MHz	Pass	AV	5.1872G	101.51	Inf	-Inf	5.18	3	Vertical	176	1.24	-
5180MHz	Pass	PK	5.1498G	67.59	74.00	-6.41	5.13	3	Vertical	176	1.24	-
5180MHz	Pass	PK	5.183G	110.94	Inf	-Inf	5.17	3	Vertical	176	1.24	-
5180MHz	Pass	AV	10.36G	49.92	54.00	-4.08	12.01	3	Horizontal	46	1.52	-
5180MHz	Pass	PK	10.3604G	60.66	74.00	-13.34	12.01	3	Horizontal	46	1.52	-
5180MHz	Pass	AV	10.3598G	50.05	54.00	-3.95	12.01	3	Vertical	342	1.33	-
5180MHz	Pass	PK	10.3599G	59.88	74.00	-14.12	12.01	3	Vertical	342	1.33	-
5200MHz	Pass	AV	5.149995G	47.66	54.00	-6.34	5.13	3	Horizontal	171	1.50	-
5200MHz	Pass	AV	5.2032G	99.61	Inf	-Inf	5.19	3	Horizontal	171	1.50	-
5200MHz	Pass	PK	5.1492G	62.61	74.00	-11.39	5.13	3	Horizontal	171	1.50	-
5200MHz	Pass	PK	5.2072G	109.48	Inf	-Inf	5.20	3	Horizontal	171	1.50	-
5200MHz	Pass	AV	5.149995G	53.74	54.00	-0.26	5.13	3	Vertical	175	1.21	-
5200MHz	Pass	AV	5.2072G	104.79	Inf	-Inf	5.20	3	Vertical	175	1.21	-
5200MHz	Pass	PK	5.1488G	69.91	74.00	-4.09	5.13	3	Vertical	175	1.21	-
5200MHz	Pass	PK	5.2072G	115.33	Inf	-Inf	5.20	3	Vertical	175	1.21	-
5200MHz	Pass	AV	10.4016G	49.55	54.00	-4.45	12.07	3	Horizontal	47	1.48	-
5200MHz	Pass	PK	10.4106G	58.77	74.00	-15.23	12.08	3	Horizontal	47	1.48	-
5200MHz	Pass	AV	10.4018G	49.43	54.00	-4.57	12.07	3	Vertical	340	1.21	-
5200MHz	Pass	PK	10.4024G	58.98	74.00	-15.02	12.07	3	Vertical	340	1.21	-
5240MHz	Pass	AV	5.149995G	47.16	54.00	-6.84	5.13	3	Vertical	169	1.18	-
5240MHz	Pass	AV	5.243G	106.22	Inf	-Inf	5.24	3	Vertical	169	1.18	-
5240MHz	Pass	AV	5.3768G	46.48	54.00	-7.52	5.38	3	Vertical	169	1.18	-
5240MHz	Pass	PK	5.1356G	58.77	74.00	-15.23	5.11	3	Vertical	169	1.18	-
5240MHz	Pass	PK	5.246G	115.59	Inf	-Inf	5.24	3	Vertical	169	1.18	-
5240MHz	Pass	PK	5.3648G	57.31	74.00	-16.69	5.38	3	Vertical	169	1.18	-
5240MHz	Pass	AV	5.1422G	46.25	54.00	-7.75	5.13	3	Horizontal	178	1.47	-
5240MHz	Pass	AV	5.243G	101.09	Inf	-Inf	5.24	3	Horizontal	178	1.47	-
5240MHz	Pass	AV	5.3738G	46.40	54.00	-7.60	5.38	3	Horizontal	178	1.47	-
5240MHz	Pass	PK	5.1332G	57.74	74.00	-16.26	5.11	3	Horizontal	178	1.47	-
5240MHz	Pass	PK	5.2352G	110.59	Inf	-Inf	5.23	3	Horizontal	178	1.47	-
5240MHz	Pass	PK	5.3582G	58.33	74.00	-15.67	5.36	3	Horizontal	178	1.47	-
5240MHz	Pass	AV	10.48G	49.08	54.00	-4.92	12.17	3	Vertical	335	1.45	-
5240MHz	Pass	PK	10.48282G	59.34	74.00	-14.66	12.18	3	Vertical	335	1.45	-
5240MHz	Pass	AV	10.48186G	50.84	54.00	-3.16	12.18	3	Horizontal	38	1.85	-
5240MHz	Pass	PK	10.48042G	60.42	74.00	-13.58	12.17	3	Horizontal	38	1.85	-
5260MHz	Pass	AV	5.143G	46.62	54.00	-7.38	5.13	3	Vertical	173	1.24	-
5260MHz	Pass	AV	5.263G	106.06	Inf	-Inf	5.26	3	Vertical	173	1.24	-
5260MHz	Pass	AV	5.3596G	46.48	54.00	-7.52	5.36	3	Vertical	173	1.24	-
5260MHz	Pass	PK	5.11G	57.90	74.00	-16.10	5.09	3	Vertical	173	1.24	-
5260MHz	Pass	PK	5.2648G	116.04	Inf	-Inf	5.26	3	Vertical	173	1.24	-
5260MHz	Pass	PK	5.3584G	57.61	74.00	-16.39	5.36	3	Vertical	173	1.24	-
5260MHz	Pass	AV	5.1106G	46.12	54.00	-7.88	5.09	3	Horizontal	166	1.66	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.2666G	102.01	Inf	-Inf	5.26	3	Horizontal	166	1.66	-
5260MHz	Pass	AV	5.3998G	46.30	54.00	-7.70	5.41	3	Horizontal	166	1.66	-
5260MHz	Pass	PK	5.143G	57.84	74.00	-16.16	5.13	3	Horizontal	166	1.66	-
5260MHz	Pass	PK	5.2624G	111.12	Inf	-Inf	5.26	3	Horizontal	166	1.66	-
5260MHz	Pass	PK	5.3668G	57.26	74.00	-16.74	5.38	3	Horizontal	166	1.66	-
5260MHz	Pass	AV	10.52G	47.88	54.00	-6.12	12.22	3	Vertical	335	1.39	-
5260MHz	Pass	PK	10.52036G	58.06	74.00	-15.94	12.22	3	Vertical	335	1.39	-
5260MHz	Pass	AV	10.52024G	49.81	54.00	-4.19	12.22	3	Horizontal	39	1.49	-
5260MHz	Pass	PK	10.52042G	59.92	74.00	-14.08	12.22	3	Horizontal	39	1.49	-
5300MHz	Pass	AV	5.3032G	105.56	Inf	-Inf	5.30	3	Vertical	188	1.82	-
5300MHz	Pass	AV	5.350005G	53.21	54.00	-0.79	5.36	3	Vertical	188	1.82	-
5300MHz	Pass	PK	5.3064G	114.68	Inf	-Inf	5.31	3	Vertical	188	1.82	-
5300MHz	Pass	PK	5.3508G	64.02	74.00	-9.98	5.36	3	Vertical	188	1.82	-
5300MHz	Pass	AV	5.3032G	103.50	Inf	-Inf	5.30	3	Horizontal	167	1.50	-
5300MHz	Pass	AV	5.350005G	52.49	54.00	-1.51	5.36	3	Horizontal	167	1.50	-
5300MHz	Pass	PK	5.306G	113.61	Inf	-Inf	5.31	3	Horizontal	167	1.50	-
5300MHz	Pass	PK	5.352G	64.72	74.00	-9.28	5.36	3	Horizontal	167	1.50	-
5300MHz	Pass	AV	10.60012G	45.00	54.00	-9.00	12.31	3	Vertical	335	1.42	-
5300MHz	Pass	PK	10.59418G	55.36	74.00	-18.64	12.30	3	Vertical	335	1.42	-
5300MHz	Pass	AV	10.60018G	47.12	54.00	-6.88	12.31	3	Horizontal	32	1.50	-
5300MHz	Pass	PK	10.59964G	57.54	74.00	-16.46	12.31	3	Horizontal	32	1.50	-
5320MHz	Pass	AV	5.3266G	101.39	Inf	-Inf	5.33	3	Vertical	189	1.47	-
5320MHz	Pass	AV	5.350005G	53.30	54.00	-0.70	5.36	3	Vertical	189	1.47	-
5320MHz	Pass	PK	5.3274G	110.37	Inf	-Inf	5.33	3	Vertical	189	1.47	-
5320MHz	Pass	PK	5.350005G	66.08	74.00	-7.92	5.36	3	Vertical	189	1.47	-
5320MHz	Pass	AV	5.3232G	100.18	Inf	-Inf	5.33	3	Horizontal	168	1.29	-
5320MHz	Pass	AV	5.350005G	52.76	54.00	-1.24	5.36	3	Horizontal	168	1.29	-
5320MHz	Pass	PK	5.3272G	109.49	Inf	-Inf	5.33	3	Horizontal	168	1.29	-
5320MHz	Pass	PK	5.350005G	66.35	74.00	-7.65	5.36	3	Horizontal	168	1.29	-
5320MHz	Pass	AV	10.6384G	45.34	54.00	-8.66	12.35	3	Vertical	5	1.16	-
5320MHz	Pass	AV	15.9622G	51.49	54.00	-2.51	17.23	3	Vertical	0	1.36	-
5320MHz	Pass	PK	10.634G	54.89	74.00	-19.11	12.35	3	Vertical	5	1.16	-
5320MHz	Pass	PK	15.9594G	62.15	74.00	-11.85	17.24	3	Vertical	0	1.36	-
5320MHz	Pass	AV	10.6383G	46.07	54.00	-7.93	12.35	3	Horizontal	36	1.48	-
5320MHz	Pass	PK	10.6381G	55.94	74.00	-18.06	12.35	3	Horizontal	36	1.48	-
5500MHz	Pass	AV	5.459995G	48.65	54.00	-5.35	5.47	3	Vertical	178	1.50	-
5500MHz	Pass	AV	5.4948G	100.19	Inf	-Inf	5.51	3	Vertical	178	1.50	-
5500MHz	Pass	PK	5.458G	62.09	74.00	-11.91	5.47	3	Vertical	178	1.50	-
5500MHz	Pass	PK	5.4698G	67.91	68.20	-0.29	5.49	3	Vertical	178	1.50	-
5500MHz	Pass	PK	5.497G	109.78	Inf	-Inf	5.52	3	Vertical	178	1.50	-
5500MHz	Pass	AV	5.459995G	48.65	54.00	-5.35	5.47	3	Horizontal	172	1.29	-
5500MHz	Pass	AV	5.5072G	102.54	Inf	-Inf	5.53	3	Horizontal	172	1.29	-
5500MHz	Pass	PK	5.4596G	62.59	74.00	-11.41	5.47	3	Horizontal	172	1.29	-
5500MHz	Pass	PK	5.4698G	67.61	68.20	-0.59	5.49	3	Horizontal	172	1.29	-
5500MHz	Pass	PK	5.5072G	112.72	Inf	-Inf	5.53	3	Horizontal	172	1.29	-
5500MHz	Pass	AV	11.00228G	43.61	54.00	-10.39	12.76	3	Vertical	356	1.24	-
5500MHz	Pass	PK	11G	53.76	74.00	-20.24	12.75	3	Vertical	356	1.24	-
5500MHz	Pass	AV	10.99976G	44.26	54.00	-9.74	12.75	3	Horizontal	63	2.12	-
5500MHz	Pass	PK	10.99946G	55.16	74.00	-18.84	12.75	3	Horizontal	63	2.12	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	AV	5.46G	45.91	54.00	-8.09	5.47	3	Vertical	172	1.36	-
5580MHz	Pass	AV	5.574G	101.95	Inf	-Inf	5.63	3	Vertical	172	1.36	-
5580MHz	Pass	PK	5.4336G	58.49	74.00	-15.51	5.44	3	Vertical	172	1.36	-
5580MHz	Pass	PK	5.4612G	58.55	68.20	-9.65	5.47	3	Vertical	172	1.36	-
5580MHz	Pass	PK	5.5872G	112.38	Inf	-Inf	5.65	3	Vertical	172	1.36	-
5580MHz	Pass	PK	5.7294G	57.39	68.20	-10.81	5.85	3	Vertical	172	1.36	-
5580MHz	Pass	AV	5.4426G	46.22	54.00	-7.78	5.46	3	Horizontal	185	1.48	-
5580MHz	Pass	AV	5.5728G	106.45	Inf	-Inf	5.62	3	Horizontal	185	1.48	-
5580MHz	Pass	PK	5.4456G	58.65	74.00	-15.35	5.46	3	Horizontal	185	1.48	-
5580MHz	Pass	PK	5.4696G	58.31	68.20	-9.89	5.49	3	Horizontal	185	1.48	-
5580MHz	Pass	PK	5.5866G	116.68	Inf	-Inf	5.64	3	Horizontal	185	1.48	-
5580MHz	Pass	PK	5.7264G	58.40	68.20	-9.80	5.85	3	Horizontal	185	1.48	-
5580MHz	Pass	AV	11.1618G	48.54	54.00	-5.46	13.17	3	Vertical	3	1.06	-
5580MHz	Pass	PK	11.16162G	58.59	74.00	-15.41	13.17	3	Vertical	3	1.06	-
5580MHz	Pass	AV	11.16162G	53.38	54.00	-0.62	13.17	3	Horizontal	54	1.40	-
5580MHz	Pass	PK	11.16054G	63.94	74.00	-10.06	13.17	3	Horizontal	54	1.40	-
5700MHz	Pass	AV	5.6948G	94.37	Inf	-Inf	5.80	3	Vertical	188	1.82	-
5700MHz	Pass	PK	5.6968G	103.57	Inf	-Inf	5.80	3	Vertical	188	1.82	-
5700MHz	Pass	PK	5.7252G	61.96	68.20	-6.24	5.85	3	Vertical	188	1.82	-
5700MHz	Pass	AV	5.6932G	100.47	Inf	-Inf	5.80	3	Horizontal	174	1.04	-
5700MHz	Pass	PK	5.7048G	109.92	Inf	-Inf	5.81	3	Horizontal	174	1.04	-
5700MHz	Pass	PK	5.7252G	67.65	68.20	-0.55	5.85	3	Horizontal	174	1.04	-
5700MHz	Pass	AV	11.40276G	45.27	54.00	-8.73	13.79	3	Vertical	19	1.47	-
5700MHz	Pass	PK	11.39994G	56.45	74.00	-17.55	13.79	3	Vertical	19	1.47	-
5700MHz	Pass	AV	11.39988G	47.78	54.00	-6.22	13.79	3	Horizontal	49	1.50	-
5700MHz	Pass	PK	11.40258G	58.08	74.00	-15.92	13.79	3	Horizontal	49	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4428G	44.73	54.00	-9.27	5.46	3	Vertical	160	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7236G	95.35	Inf	-Inf	5.84	3	Vertical	160	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.45G	55.94	74.00	-18.06	5.46	3	Vertical	160	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	53.80	68.20	-14.40	5.49	3	Vertical	160	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7272G	104.47	Inf	-Inf	5.85	3	Vertical	160	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9792G	56.28	68.20	-11.92	6.22	3	Vertical	160	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4584G	44.85	54.00	-9.15	5.47	3	Horizontal	185	2.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7152G	100.98	Inf	-Inf	5.83	3	Horizontal	185	2.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4464G	57.58	74.00	-16.42	5.46	3	Horizontal	185	2.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	54.14	68.20	-14.06	5.49	3	Horizontal	185	2.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7152G	109.24	Inf	-Inf	5.83	3	Horizontal	185	2.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9012G	58.36	68.20	-9.84	6.10	3	Horizontal	185	2.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43772G	47.89	54.00	-6.11	13.88	3	Vertical	16	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44096G	58.71	74.00	-15.29	13.89	3	Vertical	16	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43976G	53.72	54.00	-0.28	13.89	3	Horizontal	50	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4415G	63.87	74.00	-10.13	13.89	3	Horizontal	50	1.52	-
5745MHz	Pass	AV	5.7474G	101.40	Inf	-Inf	5.88	3	Vertical	182	1.68	-
5745MHz	Pass	PK	5.5626G	58.33	68.20	-9.87	5.60	3	Vertical	182	1.68	-
5745MHz	Pass	PK	5.7474G	111.31	Inf	-Inf	5.88	3	Vertical	182	1.68	-
5745MHz	Pass	PK	5.9814G	57.31	68.20	-10.89	6.21	3	Vertical	182	1.68	-
5745MHz	Pass	AV	5.7402G	105.73	Inf	-Inf	5.87	3	Horizontal	177	1.50	-
5745MHz	Pass	PK	5.649G	62.65	68.20	-5.55	5.73	3	Horizontal	177	1.50	-
5745MHz	Pass	PK	5.7462G	115.65	Inf	-Inf	5.87	3	Horizontal	177	1.50	-

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	5.9682G	57.49	68.20	-10.71	6.20	3	Horizontal	177	1.50	-
5745MHz	Pass	AV	11.492G	48.45	54.00	-5.55	14.02	3	Vertical	16	1.35	-
5745MHz	Pass	PK	11.4918G	58.64	74.00	-15.36	14.02	3	Vertical	16	1.35	-
5745MHz	Pass	AV	11.4916G	53.70	54.00	-0.30	14.02	3	Horizontal	45	1.17	-
5745MHz	Pass	PK	11.4914G	64.25	74.00	-9.75	14.02	3	Horizontal	45	1.17	-
5785MHz	Pass	AV	5.7874G	96.84	Inf	-Inf	5.93	3	Vertical	170	1.75	-
5785MHz	Pass	PK	5.605G	58.16	68.20	-10.04	5.66	3	Vertical	170	1.75	-
5785MHz	Pass	PK	5.7922G	106.42	Inf	-Inf	5.94	3	Vertical	170	1.75	-
5785MHz	Pass	PK	5.9314G	57.85	68.20	-10.35	6.14	3	Vertical	170	1.75	-
5785MHz	Pass	AV	5.7802G	101.53	Inf	-Inf	5.92	3	Horizontal	176	1.49	-
5785MHz	Pass	PK	5.6038G	59.47	68.20	-8.73	5.66	3	Horizontal	176	1.49	-
5785MHz	Pass	PK	5.7814G	110.78	Inf	-Inf	5.93	3	Horizontal	176	1.49	-
5785MHz	Pass	PK	5.947G	57.71	68.20	-10.49	6.16	3	Horizontal	176	1.49	-
5785MHz	Pass	AV	11.5716G	49.73	54.00	-4.27	14.21	3	Vertical	18	1.49	-
5785MHz	Pass	PK	11.5664G	59.57	74.00	-14.43	14.19	3	Vertical	18	1.49	-
5785MHz	Pass	AV	11.5702G	53.82	54.00	-0.18	14.20	3	Horizontal	45	1.50	-
5785MHz	Pass	PK	11.5706G	64.02	74.00	-9.98	14.20	3	Horizontal	45	1.50	-
5825MHz	Pass	AV	5.8178G	96.21	Inf	-Inf	5.98	3	Vertical	170	1.73	-
5825MHz	Pass	PK	5.5286G	58.26	68.20	-9.94	5.56	3	Vertical	170	1.73	-
5825MHz	Pass	PK	5.8286G	105.47	Inf	-Inf	5.99	3	Vertical	170	1.73	-
5825MHz	Pass	PK	5.9774G	57.67	68.20	-10.53	6.21	3	Vertical	170	1.73	-
5825MHz	Pass	AV	5.8202G	100.19	Inf	-Inf	5.98	3	Horizontal	178	1.47	-
5825MHz	Pass	PK	5.621G	59.66	68.20	-8.54	5.69	3	Horizontal	178	1.47	-
5825MHz	Pass	PK	5.8202G	109.85	Inf	-Inf	5.98	3	Horizontal	178	1.47	-
5825MHz	Pass	PK	5.9438G	57.63	68.20	-10.57	6.15	3	Horizontal	178	1.47	-
5825MHz	Pass	AV	11.6518G	48.49	54.00	-5.51	14.39	3	Vertical	20	1.31	-
5825MHz	Pass	PK	11.6518G	58.35	74.00	-15.65	14.39	3	Vertical	20	1.31	-
5825MHz	Pass	AV	11.6498G	53.74	54.00	-0.26	14.38	3	Horizontal	46	2.14	-
5825MHz	Pass	PK	11.6516G	64.02	74.00	-9.98	14.39	3	Horizontal	46	2.14	-
802.11n HT20_Nss1_(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	53.54	54.00	-0.46	5.13	3	Vertical	169	1.13	-
5180MHz	Pass	AV	5.183G	101.11	Inf	-Inf	5.17	3	Vertical	169	1.13	-
5180MHz	Pass	PK	5.149995G	67.70	74.00	-6.30	5.13	3	Vertical	169	1.13	-
5180MHz	Pass	PK	5.176G	110.43	Inf	-Inf	5.16	3	Vertical	169	1.13	-
5180MHz	Pass	AV	5.1496G	47.35	54.00	-6.65	5.13	3	Horizontal	172	1.01	-
5180MHz	Pass	AV	5.1852G	93.96	Inf	-Inf	5.17	3	Horizontal	172	1.01	-
5180MHz	Pass	PK	5.1494G	61.14	74.00	-12.86	5.13	3	Horizontal	172	1.01	-
5180MHz	Pass	PK	5.1864G	103.55	Inf	-Inf	5.18	3	Horizontal	172	1.01	-
5180MHz	Pass	AV	10.35964G	47.70	54.00	-6.30	12.01	3	Vertical	317	1.47	-
5180MHz	Pass	PK	10.35784G	59.14	74.00	-14.86	12.01	3	Vertical	317	1.47	-
5180MHz	Pass	AV	10.35952G	50.29	54.00	-3.71	12.01	3	Horizontal	42	1.50	-
5180MHz	Pass	PK	10.36252G	61.07	74.00	-12.93	12.02	3	Horizontal	42	1.50	-
5200MHz	Pass	AV	5.1496G	53.65	54.00	-0.35	5.13	3	Vertical	182	1.46	-
5200MHz	Pass	AV	5.2052G	105.93	Inf	-Inf	5.20	3	Vertical	182	1.46	-
5200MHz	Pass	PK	5.149995G	64.78	74.00	-9.22	5.13	3	Vertical	182	1.46	-
5200MHz	Pass	PK	5.2032G	115.36	Inf	-Inf	5.19	3	Vertical	182	1.46	-
5200MHz	Pass	AV	5.1496G	47.73	54.00	-6.27	5.13	3	Horizontal	195	1.49	-
5200MHz	Pass	AV	5.2052G	99.05	Inf	-Inf	5.20	3	Horizontal	195	1.49	-
5200MHz	Pass	PK	5.1472G	58.05	74.00	-15.95	5.13	3	Horizontal	195	1.49	-

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	5.2008G	108.35	Inf	-Inf	5.19	3	Horizontal	195	1.49	-
5200MHz	Pass	AV	10.3987G	49.28	54.00	-4.72	12.06	3	Vertical	340	1.43	-
5200MHz	Pass	PK	10.3968G	59.41	74.00	-14.59	12.06	3	Vertical	340	1.43	-
5200MHz	Pass	AV	10.3989G	51.26	54.00	-2.74	12.06	3	Horizontal	42	1.52	-
5200MHz	Pass	PK	10.4026G	61.56	74.00	-12.44	12.07	3	Horizontal	42	1.52	-
5240MHz	Pass	AV	5.1494G	47.77	54.00	-6.23	5.13	3	Vertical	178	1.50	-
5240MHz	Pass	AV	5.2448G	106.68	Inf	-Inf	5.24	3	Vertical	178	1.50	-
5240MHz	Pass	AV	5.375G	47.14	54.00	-6.86	5.38	3	Vertical	178	1.50	-
5240MHz	Pass	PK	5.1482G	61.56	74.00	-12.44	5.13	3	Vertical	178	1.50	-
5240MHz	Pass	PK	5.2436G	116.61	Inf	-Inf	5.24	3	Vertical	178	1.50	-
5240MHz	Pass	PK	5.3786G	58.51	74.00	-15.49	5.39	3	Vertical	178	1.50	-
5240MHz	Pass	AV	5.1326G	46.31	54.00	-7.69	5.11	3	Horizontal	189	1.69	-
5240MHz	Pass	AV	5.2448G	102.60	Inf	-Inf	5.24	3	Horizontal	189	1.69	-
5240MHz	Pass	AV	5.3798G	46.61	54.00	-7.39	5.39	3	Horizontal	189	1.69	-
5240MHz	Pass	PK	5.1224G	57.76	74.00	-16.24	5.11	3	Horizontal	189	1.69	-
5240MHz	Pass	PK	5.24G	112.56	Inf	-Inf	5.23	3	Horizontal	189	1.69	-
5240MHz	Pass	PK	5.381G	58.28	74.00	-15.72	5.39	3	Horizontal	189	1.69	-
5240MHz	Pass	AV	10.4797G	48.52	54.00	-5.48	12.17	3	Vertical	337	1.39	-
5240MHz	Pass	PK	10.4789G	59.85	74.00	-14.15	12.17	3	Vertical	337	1.39	-
5240MHz	Pass	AV	10.4799G	50.58	54.00	-3.42	12.17	3	Horizontal	40	1.47	-
5240MHz	Pass	PK	10.4826G	60.71	74.00	-13.29	12.18	3	Horizontal	40	1.47	-
5260MHz	Pass	AV	5.149995G	47.12	54.00	-6.88	5.13	3	Vertical	180	1.40	-
5260MHz	Pass	AV	5.263G	106.06	Inf	-Inf	5.26	3	Vertical	180	1.40	-
5260MHz	Pass	AV	5.3518G	47.51	54.00	-6.49	5.36	3	Vertical	180	1.40	-
5260MHz	Pass	PK	5.1412G	58.34	74.00	-15.66	5.13	3	Vertical	180	1.40	-
5260MHz	Pass	PK	5.263G	116.36	Inf	-Inf	5.26	3	Vertical	180	1.40	-
5260MHz	Pass	PK	5.359G	58.32	74.00	-15.68	5.36	3	Vertical	180	1.40	-
5260MHz	Pass	AV	5.1142G	46.20	54.00	-7.80	5.10	3	Horizontal	189	1.68	-
5260MHz	Pass	AV	5.2654G	102.94	Inf	-Inf	5.26	3	Horizontal	189	1.68	-
5260MHz	Pass	AV	5.3836G	46.63	54.00	-7.37	5.39	3	Horizontal	189	1.68	-
5260MHz	Pass	PK	5.1238G	57.76	74.00	-16.24	5.11	3	Horizontal	189	1.68	-
5260MHz	Pass	PK	5.2624G	112.35	Inf	-Inf	5.26	3	Horizontal	189	1.68	-
5260MHz	Pass	PK	5.3788G	58.46	74.00	-15.54	5.39	3	Horizontal	189	1.68	-
5260MHz	Pass	AV	10.5187G	47.01	54.00	-6.99	12.22	3	Vertical	336	1.42	-
5260MHz	Pass	PK	10.5221G	57.36	74.00	-16.64	12.22	3	Vertical	336	1.42	-
5260MHz	Pass	AV	10.5188G	48.79	54.00	-5.21	12.22	3	Horizontal	38	1.83	-
5260MHz	Pass	PK	10.5188G	59.18	74.00	-14.82	12.22	3	Horizontal	38	1.83	-
5300MHz	Pass	AV	5.3052G	105.63	Inf	-Inf	5.31	3	Vertical	176	1.47	-
5300MHz	Pass	AV	5.3504G	53.22	54.00	-0.78	5.36	3	Vertical	176	1.47	-
5300MHz	Pass	PK	5.3036G	115.48	Inf	-Inf	5.30	3	Vertical	176	1.47	-
5300MHz	Pass	PK	5.3508G	67.06	74.00	-6.94	5.36	3	Vertical	176	1.47	-
5300MHz	Pass	AV	5.3052G	102.56	Inf	-Inf	5.31	3	Horizontal	157	1.22	-
5300MHz	Pass	AV	5.350005G	51.55	54.00	-2.45	5.36	3	Horizontal	157	1.22	-
5300MHz	Pass	PK	5.3044G	110.75	Inf	-Inf	5.30	3	Horizontal	157	1.22	-
5300MHz	Pass	PK	5.3508G	64.50	74.00	-9.50	5.36	3	Horizontal	157	1.22	-
5300MHz	Pass	AV	10.5998G	44.78	54.00	-9.22	12.31	3	Vertical	334	1.39	-
5300MHz	Pass	PK	10.6007G	55.67	74.00	-18.33	12.31	3	Vertical	334	1.39	-
5300MHz	Pass	AV	10.5989G	46.98	54.00	-7.02	12.31	3	Horizontal	36	2.17	-
5300MHz	Pass	PK	10.5991G	58.15	74.00	-15.85	12.31	3	Horizontal	36	2.17	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5320MHz	Pass	AV	5.3252G	100.92	Inf	-Inf	5.33	3	Vertical	185	1.59	-
5320MHz	Pass	AV	5.350005G	53.78	54.00	-0.22	5.36	3	Vertical	185	1.59	-
5320MHz	Pass	PK	5.3238G	110.37	Inf	-Inf	5.33	3	Vertical	185	1.59	-
5320MHz	Pass	PK	5.3502G	67.38	74.00	-6.62	5.36	3	Vertical	185	1.59	-
5320MHz	Pass	AV	5.3282G	98.81	Inf	-Inf	5.33	3	Horizontal	185	1.59	-
5320MHz	Pass	AV	5.350005G	52.84	54.00	-1.16	5.36	3	Horizontal	185	1.59	-
5320MHz	Pass	PK	5.3262G	107.98	Inf	-Inf	5.33	3	Horizontal	185	1.59	-
5320MHz	Pass	PK	5.3502G	65.91	74.00	-8.09	5.36	3	Horizontal	185	1.59	-
5320MHz	Pass	AV	10.6355G	43.69	54.00	-10.31	12.35	3	Vertical	335	1.58	-
5320MHz	Pass	PK	10.6421G	54.29	74.00	-19.71	12.36	3	Vertical	335	1.58	-
5320MHz	Pass	AV	10.6366G	45.87	54.00	-8.13	12.35	3	Horizontal	28	1.72	-
5320MHz	Pass	PK	10.6426G	56.91	74.00	-17.09	12.36	3	Horizontal	28	1.72	-
5500MHz	Pass	AV	5.4596G	48.01	54.00	-5.99	5.47	3	Vertical	172	1.49	-
5500MHz	Pass	AV	5.4944G	99.69	Inf	-Inf	5.51	3	Vertical	172	1.49	-
5500MHz	Pass	PK	5.4584G	61.64	74.00	-12.36	5.47	3	Vertical	172	1.49	-
5500MHz	Pass	PK	5.4678G	67.64	68.20	-0.56	5.49	3	Vertical	172	1.49	-
5500MHz	Pass	PK	5.4926G	108.84	Inf	-Inf	5.51	3	Vertical	172	1.49	-
5500MHz	Pass	AV	5.459995G	48.51	54.00	-5.49	5.47	3	Horizontal	172	1.06	-
5500MHz	Pass	AV	5.5052G	101.71	Inf	-Inf	5.53	3	Horizontal	172	1.06	-
5500MHz	Pass	PK	5.4596G	61.98	74.00	-12.02	5.47	3	Horizontal	172	1.06	-
5500MHz	Pass	PK	5.4684G	68.01	68.20	-0.19	5.49	3	Horizontal	172	1.06	-
5500MHz	Pass	PK	5.5038G	111.44	Inf	-Inf	5.53	3	Horizontal	172	1.06	-
5500MHz	Pass	PK	16.498G	66.03	68.20	-2.17	17.94	3	Vertical	350	1.44	-
5500MHz	Pass	AV	16.5028G	50.76	54.00	-3.24	17.47	3	Horizontal	29	1.57	-
5500MHz	Pass	PK	16.4963G	60.94	74.00	-13.06	17.93	3	Horizontal	29	1.57	-
5580MHz	Pass	AV	5.459995G	46.37	54.00	-7.63	5.47	3	Vertical	173	1.01	-
5580MHz	Pass	AV	5.574G	102.33	Inf	-Inf	5.63	3	Vertical	173	1.01	-
5580MHz	Pass	PK	5.4498G	57.39	74.00	-16.61	5.46	3	Vertical	173	1.01	-
5580MHz	Pass	PK	5.4654G	57.51	68.20	-10.69	5.49	3	Vertical	173	1.01	-
5580MHz	Pass	PK	5.5758G	112.15	Inf	-Inf	5.63	3	Vertical	173	1.01	-
5580MHz	Pass	PK	5.7294G	56.48	68.20	-11.72	5.85	3	Vertical	173	1.01	-
5580MHz	Pass	AV	5.4582G	46.60	54.00	-7.40	5.47	3	Horizontal	172	1.32	-
5580MHz	Pass	AV	5.574G	106.88	Inf	-Inf	5.63	3	Horizontal	172	1.32	-
5580MHz	Pass	PK	5.4504G	57.47	74.00	-16.53	5.47	3	Horizontal	172	1.32	-
5580MHz	Pass	PK	5.4684G	56.86	68.20	-11.34	5.49	3	Horizontal	172	1.32	-
5580MHz	Pass	PK	5.5752G	115.62	Inf	-Inf	5.63	3	Horizontal	172	1.32	-
5580MHz	Pass	PK	5.7294G	57.03	68.20	-11.17	5.85	3	Horizontal	172	1.32	-
5580MHz	Pass	AV	11.1586G	47.62	54.00	-6.38	13.16	3	Vertical	10	1.34	-
5580MHz	Pass	PK	11.1628G	58.24	74.00	-15.76	13.17	3	Vertical	10	1.34	-
5580MHz	Pass	PK	16.7298G	65.24	68.20	-2.96	17.95	3	Vertical	343	1.52	-
5580MHz	Pass	AV	11.1628G	52.33	54.00	-1.67	13.17	3	Horizontal	48	1.52	-
5580MHz	Pass	PK	11.158G	63.37	74.00	-10.63	13.16	3	Horizontal	48	1.52	-
5700MHz	Pass	AV	5.6944G	93.30	Inf	-Inf	5.80	3	Vertical	185	1.83	-
5700MHz	Pass	PK	5.696G	102.70	Inf	-Inf	5.80	3	Vertical	185	1.83	-
5700MHz	Pass	PK	5.7252G	62.56	68.20	-5.64	5.85	3	Vertical	185	1.83	-
5700MHz	Pass	AV	5.6944G	98.98	Inf	-Inf	5.80	3	Horizontal	171	2.08	-
5700MHz	Pass	PK	5.7036G	108.57	Inf	-Inf	5.81	3	Horizontal	171	2.08	-
5700MHz	Pass	PK	5.7252G	68.00	68.20	-0.20	5.85	3	Horizontal	171	2.08	-
5700MHz	Pass	AV	11.40108G	44.39	54.00	-9.61	13.79	3	Vertical	17	1.68	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5700MHz	Pass	PK	11.39322G	54.99	74.00	-19.01	13.77	3	Vertical	17	1.68	-
5700MHz	Pass	AV	11.39664G	44.50	54.00	-9.50	13.78	3	Horizontal	5	1.25	-
5700MHz	Pass	PK	11.40504G	54.78	74.00	-19.22	13.80	3	Horizontal	5	1.25	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4236G	45.79	54.00	-8.21	5.44	3	Vertical	180	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7224G	100.15	Inf	-Inf	5.84	3	Vertical	180	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4296G	56.72	74.00	-17.28	5.44	3	Vertical	180	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.462G	56.20	68.20	-12.00	5.47	3	Vertical	180	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.72G	110.20	Inf	-Inf	5.84	3	Vertical	180	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9192G	58.96	68.20	-9.24	6.12	3	Vertical	180	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4596G	46.19	54.00	-7.81	5.47	3	Horizontal	167	1.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.714G	106.12	Inf	-Inf	5.83	3	Horizontal	167	1.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4344G	58.10	74.00	-15.90	5.44	3	Horizontal	167	1.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.460005G	57.64	68.20	-10.56	5.47	3	Horizontal	167	1.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7212G	116.85	Inf	-Inf	5.84	3	Horizontal	167	1.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8724G	58.46	68.20	-9.74	6.05	3	Horizontal	167	1.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4386G	48.89	54.00	-5.11	13.89	3	Vertical	13	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4388G	60.12	74.00	-13.88	13.89	3	Vertical	13	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4388G	53.32	54.00	-0.68	13.89	3	Horizontal	43	1.52	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4378G	65.50	74.00	-8.50	13.88	3	Horizontal	43	1.52	-
5745MHz	Pass	AV	5.7414G	96.21	Inf	-Inf	5.87	3	Vertical	176	1.57	-
5745MHz	Pass	PK	5.493G	59.08	68.20	-9.12	5.52	3	Vertical	176	1.57	-
5745MHz	Pass	PK	5.7462G	105.58	Inf	-Inf	5.87	3	Vertical	176	1.57	-
5745MHz	Pass	PK	5.9502G	58.02	68.20	-10.18	6.17	3	Vertical	176	1.57	-
5745MHz	Pass	AV	5.739G	102.20	Inf	-Inf	5.86	3	Horizontal	174	1.49	-
5745MHz	Pass	PK	5.5998G	59.23	68.20	-8.97	5.66	3	Horizontal	174	1.49	-
5745MHz	Pass	PK	5.7414G	111.24	Inf	-Inf	5.87	3	Horizontal	174	1.49	-
5745MHz	Pass	PK	5.9286G	58.20	68.20	-10.00	6.14	3	Horizontal	174	1.49	-
5745MHz	Pass	AV	11.4896G	48.38	54.00	-5.62	14.02	3	Vertical	21	1.59	-
5745MHz	Pass	PK	11.488G	59.90	74.00	-14.10	14.01	3	Vertical	21	1.59	-
5745MHz	Pass	AV	11.4884G	53.32	54.00	-0.68	14.01	3	Horizontal	49	1.59	-
5745MHz	Pass	PK	11.4924G	64.70	74.00	-9.30	14.03	3	Horizontal	49	1.59	-
5785MHz	Pass	AV	5.7898G	96.74	Inf	-Inf	5.94	3	Vertical	169	1.75	-
5785MHz	Pass	PK	5.563G	58.93	68.20	-9.27	5.60	3	Vertical	169	1.75	-
5785MHz	Pass	PK	5.7886G	105.83	Inf	-Inf	5.94	3	Vertical	169	1.75	-
5785MHz	Pass	PK	5.9554G	57.50	68.20	-10.70	6.18	3	Vertical	169	1.75	-
5785MHz	Pass	AV	5.779G	101.52	Inf	-Inf	5.92	3	Horizontal	175	1.44	-
5785MHz	Pass	PK	5.575G	59.17	68.20	-9.03	5.62	3	Horizontal	175	1.44	-
5785MHz	Pass	PK	5.7814G	110.49	Inf	-Inf	5.93	3	Horizontal	175	1.44	-
5785MHz	Pass	PK	5.9638G	58.50	68.20	-9.70	6.18	3	Horizontal	175	1.44	-
5785MHz	Pass	AV	11.5712G	48.90	54.00	-5.10	14.21	3	Vertical	22	1.49	-
5785MHz	Pass	PK	11.5678G	60.54	74.00	-13.46	14.20	3	Vertical	22	1.49	-
5785MHz	Pass	AV	11.5698G	53.78	54.00	-0.22	14.20	3	Horizontal	54	2.19	-
5785MHz	Pass	PK	11.5676G	65.60	74.00	-8.40	14.20	3	Horizontal	54	2.19	-
5825MHz	Pass	AV	5.819G	96.86	Inf	-Inf	5.98	3	Vertical	169	1.73	-
5825MHz	Pass	PK	5.5574G	58.82	68.20	-9.38	5.61	3	Vertical	169	1.73	-
5825MHz	Pass	PK	5.8214G	106.01	Inf	-Inf	5.98	3	Vertical	169	1.73	-
5825MHz	Pass	PK	5.9318G	58.33	68.20	-9.87	6.14	3	Vertical	169	1.73	-
5825MHz	Pass	AV	5.819G	100.64	Inf	-Inf	5.98	3	Horizontal	176	1.47	-
5825MHz	Pass	PK	5.5454G	58.94	68.20	-9.26	5.59	3	Horizontal	176	1.47	-



RSE TX above 1GHz Result

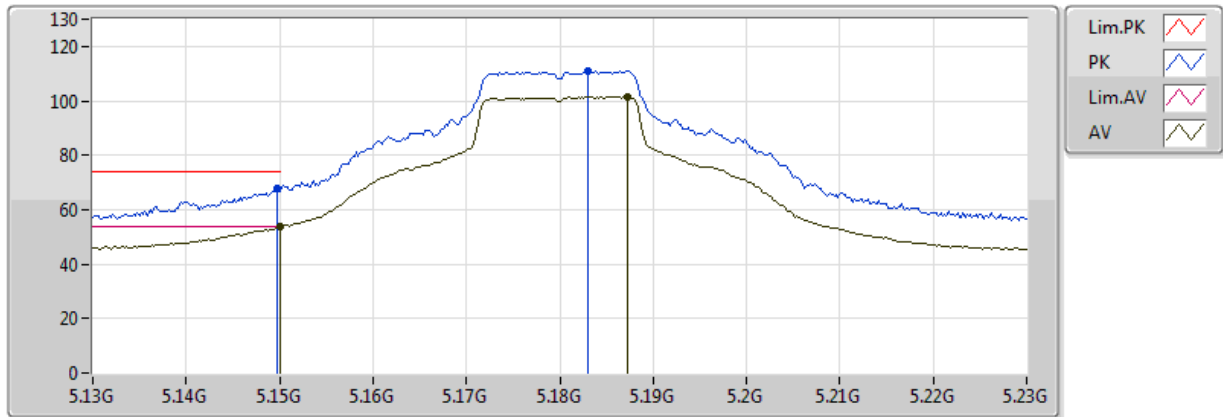
Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	5.8202G	109.96	Inf	-Inf	5.98	3	Horizontal	176	1.47	-
5825MHz	Pass	PK	5.9834G	57.95	68.20	-10.25	6.21	3	Horizontal	176	1.47	-
5825MHz	Pass	AV	11.6498G	49.56	54.00	-4.44	14.38	3	Vertical	23	1.49	-
5825MHz	Pass	PK	11.648G	61.26	74.00	-12.74	14.38	3	Vertical	23	1.49	-
5825MHz	Pass	AV	11.6484G	53.45	54.00	-0.55	14.38	3	Horizontal	48	1.73	-
5825MHz	Pass	PK	11.6478G	64.79	74.00	-9.21	14.38	3	Horizontal	48	1.73	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

04/05/2018

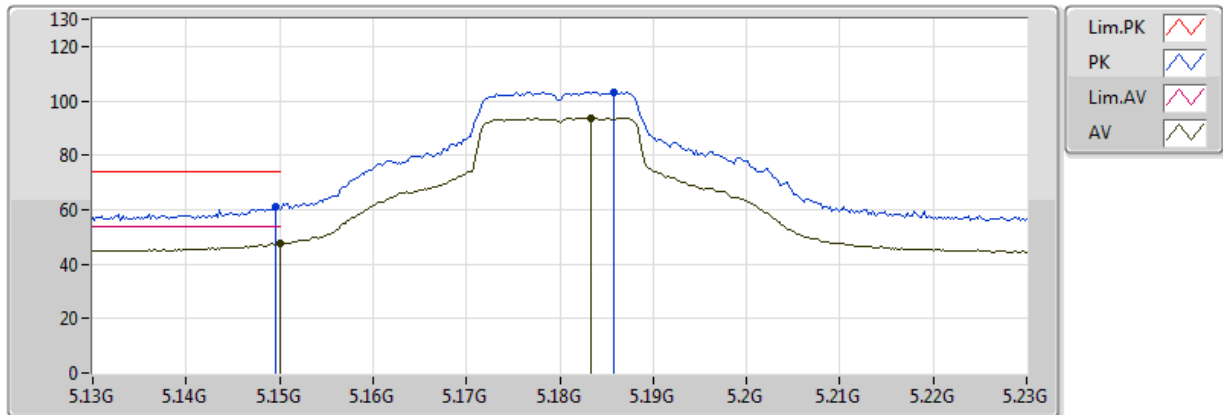


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.149995G	53.72	54.00	-0.28	5.13	3	Vertical	176	1.24	-
AV	5.1872G	101.51	Inf	-Inf	5.18	3	Vertical	176	1.24	-
PK	5.1498G	67.59	74.00	-6.41	5.13	3	Vertical	176	1.24	-
PK	5.183G	110.94	Inf	-Inf	5.17	3	Vertical	176	1.24	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

04/05/2018

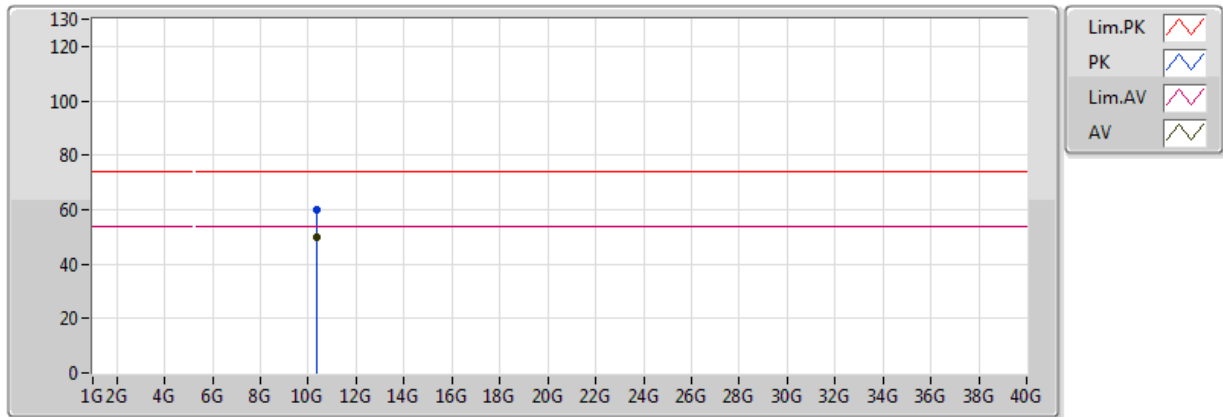


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.149995G	47.61	54.00	-6.39	5.13	3	Horizontal	166	2.43	-
AV	5.1834G	93.83	Inf	-Inf	5.17	3	Horizontal	166	2.43	-
PK	5.1496G	61.27	74.00	-12.73	5.13	3	Horizontal	166	2.43	-
PK	5.1858G	103.21	Inf	-Inf	5.17	3	Horizontal	166	2.43	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

04/05/2018

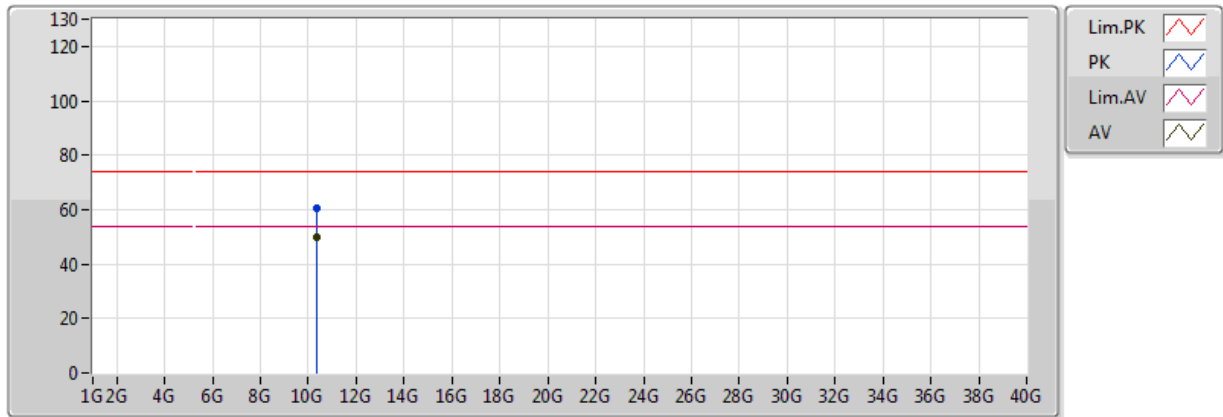


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.3598G	50.05	54.00	-3.95	12.01	3	Vertical	342	1.33	-
PK	10.3599G	59.88	74.00	-14.12	12.01	3	Vertical	342	1.33	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

04/05/2018

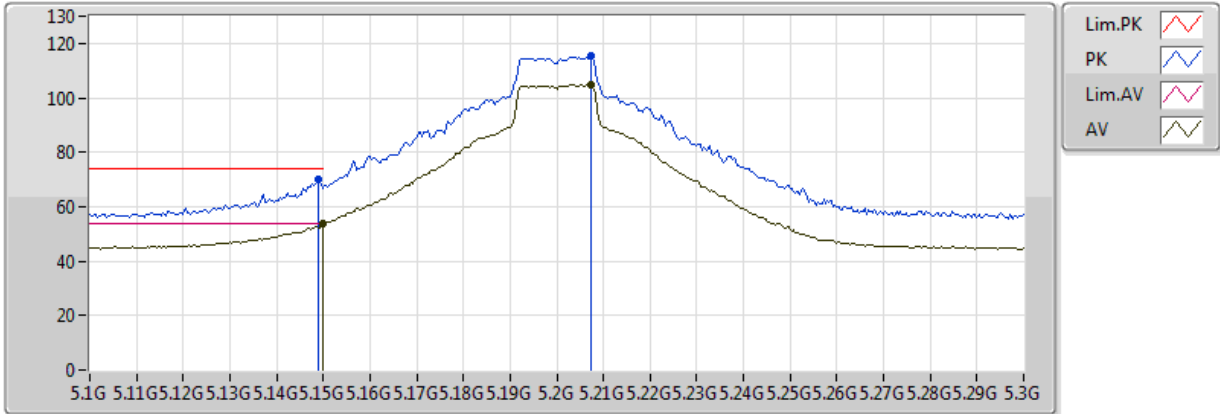


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.36G	49.92	54.00	-4.08	12.01	3	Horizontal	46	1.52	-
PK	10.3604G	60.66	74.00	-13.34	12.01	3	Horizontal	46	1.52	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

04/05/2018

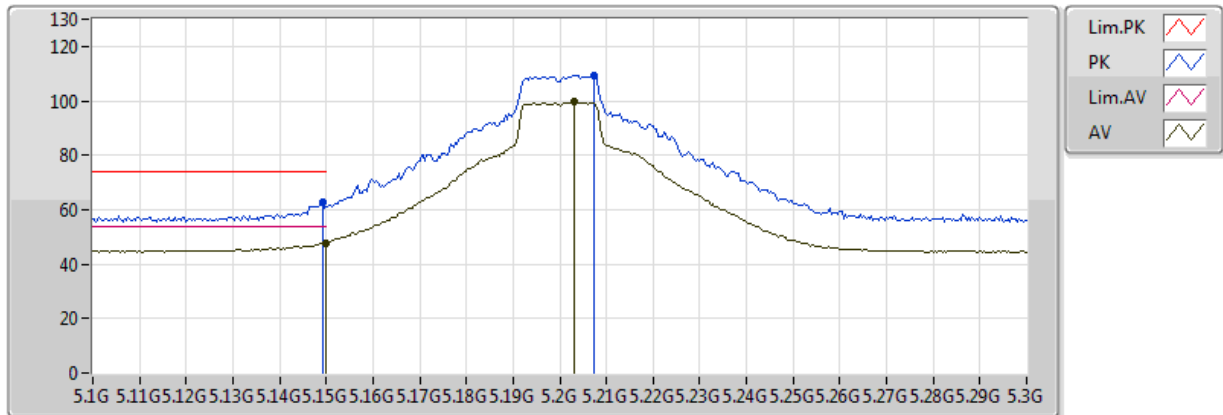


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.149995G	53.74	54.00	-0.26	5.13	3	Vertical	175	1.21	-
AV	5.2072G	104.79	Inf	-Inf	5.20	3	Vertical	175	1.21	-
PK	5.1488G	69.91	74.00	-4.09	5.13	3	Vertical	175	1.21	-
PK	5.2072G	115.33	Inf	-Inf	5.20	3	Vertical	175	1.21	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

04/05/2018

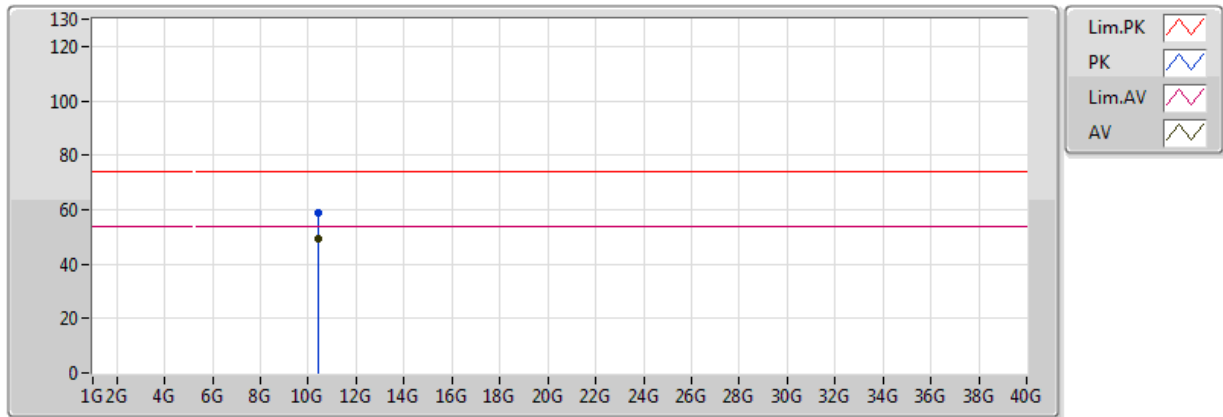


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.149995G	47.66	54.00	-6.34	5.13	3	Horizontal	171	1.50	-
AV	5.2032G	99.61	Inf	-Inf	5.19	3	Horizontal	171	1.50	-
PK	5.1492G	62.61	74.00	-11.39	5.13	3	Horizontal	171	1.50	-
PK	5.2072G	109.48	Inf	-Inf	5.20	3	Horizontal	171	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

04/05/2018

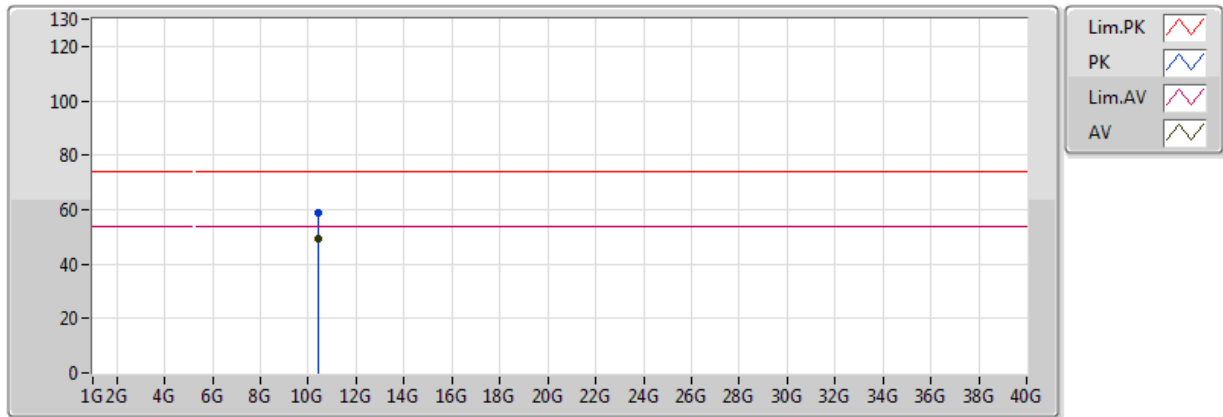


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.4018G	49.43	54.00	-4.57	12.07	3	Vertical	340	1.21	-
PK	10.4024G	58.98	74.00	-15.02	12.07	3	Vertical	340	1.21	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

04/05/2018

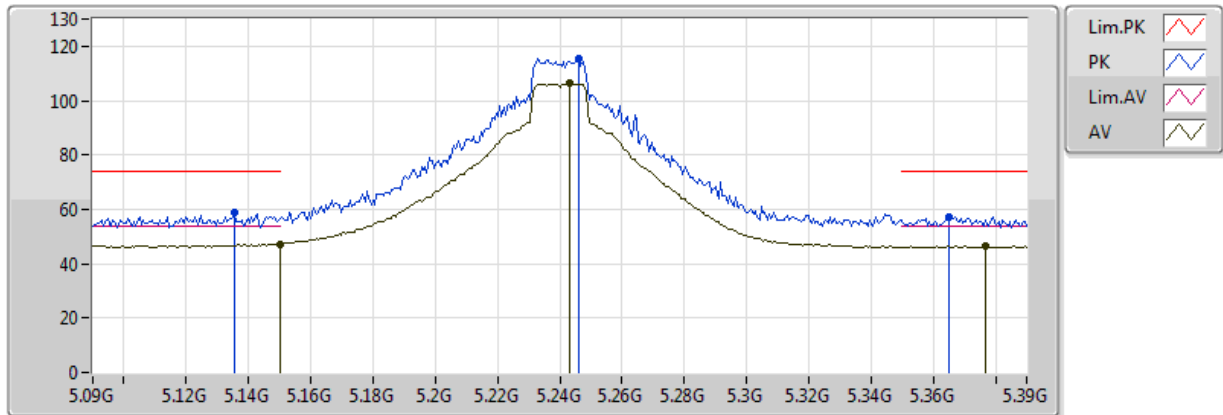


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.4016G	49.55	54.00	-4.45	12.07	3	Horizontal	47	1.48	-
PK	10.4106G	58.77	74.00	-15.23	12.08	3	Horizontal	47	1.48	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

04/05/2018

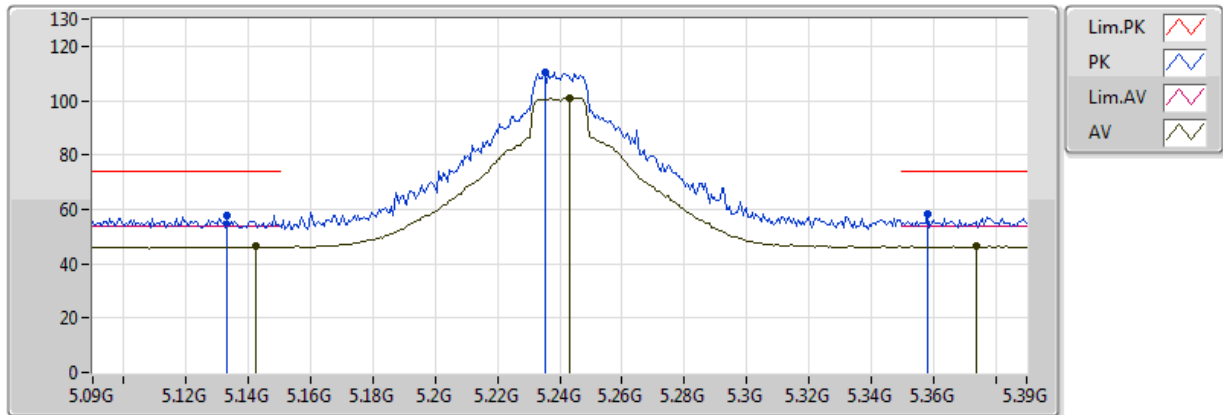


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.149995G	47.16	54.00	-6.84	5.13	3	Vertical	169	1.18	-
AV	5.243G	106.22	Inf	-Inf	5.24	3	Vertical	169	1.18	-
AV	5.3768G	46.48	54.00	-7.52	5.38	3	Vertical	169	1.18	-
PK	5.1356G	58.77	74.00	-15.23	5.11	3	Vertical	169	1.18	-
PK	5.246G	115.59	Inf	-Inf	5.24	3	Vertical	169	1.18	-
PK	5.3648G	57.31	74.00	-16.69	5.38	3	Vertical	169	1.18	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

04/05/2018

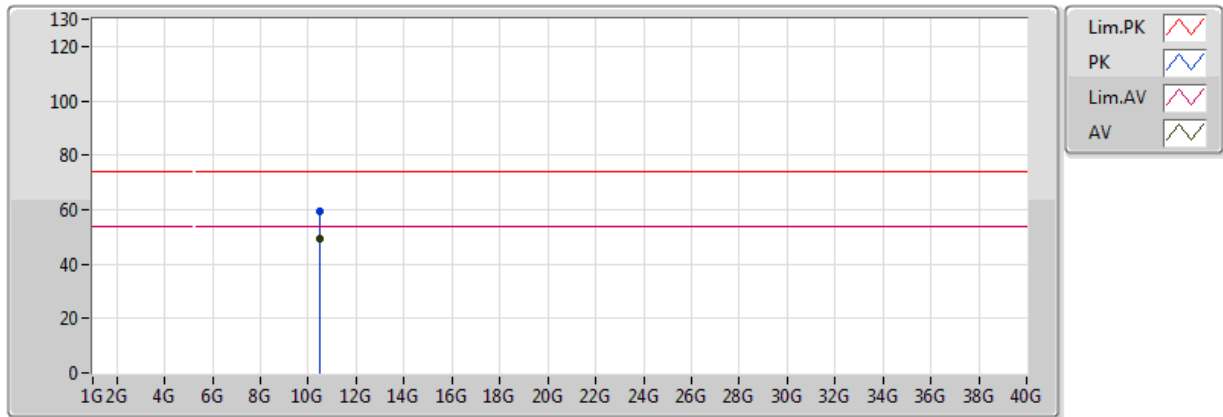


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1422G	46.25	54.00	-7.75	5.13	3	Horizontal	178	1.47	-
AV	5.243G	101.09	Inf	-Inf	5.24	3	Horizontal	178	1.47	-
AV	5.3738G	46.40	54.00	-7.60	5.38	3	Horizontal	178	1.47	-
PK	5.1332G	57.74	74.00	-16.26	5.11	3	Horizontal	178	1.47	-
PK	5.2352G	110.59	Inf	-Inf	5.23	3	Horizontal	178	1.47	-
PK	5.3582G	58.33	74.00	-15.67	5.36	3	Horizontal	178	1.47	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

04/05/2018

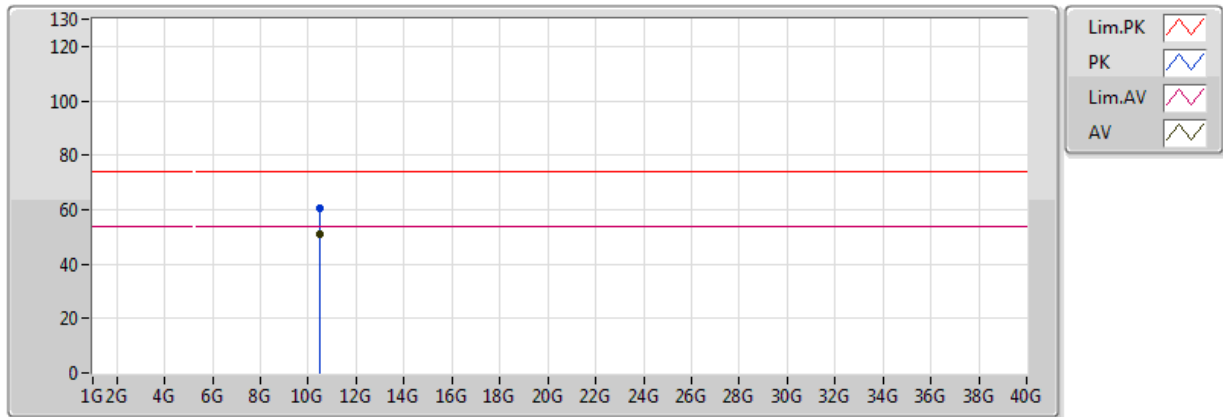


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.48G	49.08	54.00	-4.92	12.17	3	Vertical	335	1.45	-
PK	10.48282G	59.34	74.00	-14.66	12.18	3	Vertical	335	1.45	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

04/05/2018

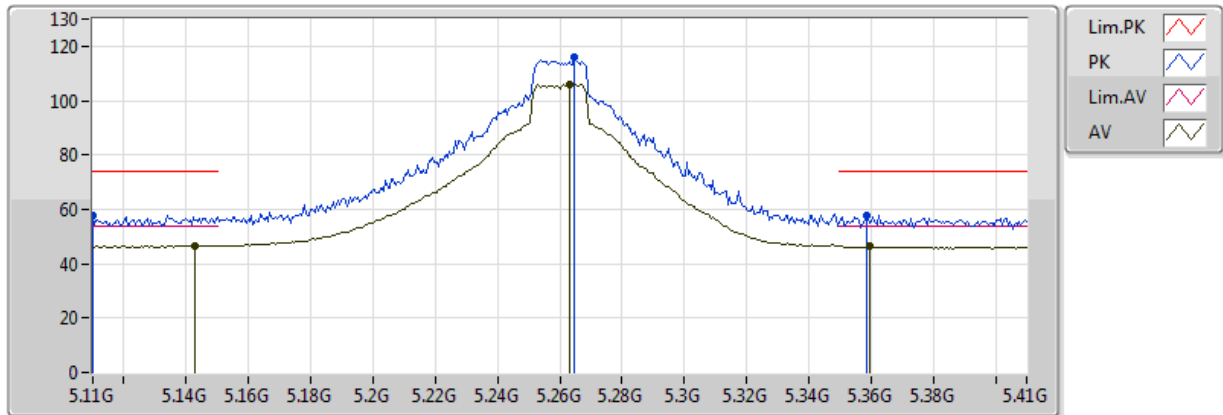


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.48186G	50.84	54.00	-3.16	12.18	3	Horizontal	38	1.85	-
PK	10.48042G	60.42	74.00	-13.58	12.17	3	Horizontal	38	1.85	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

04/05/2018

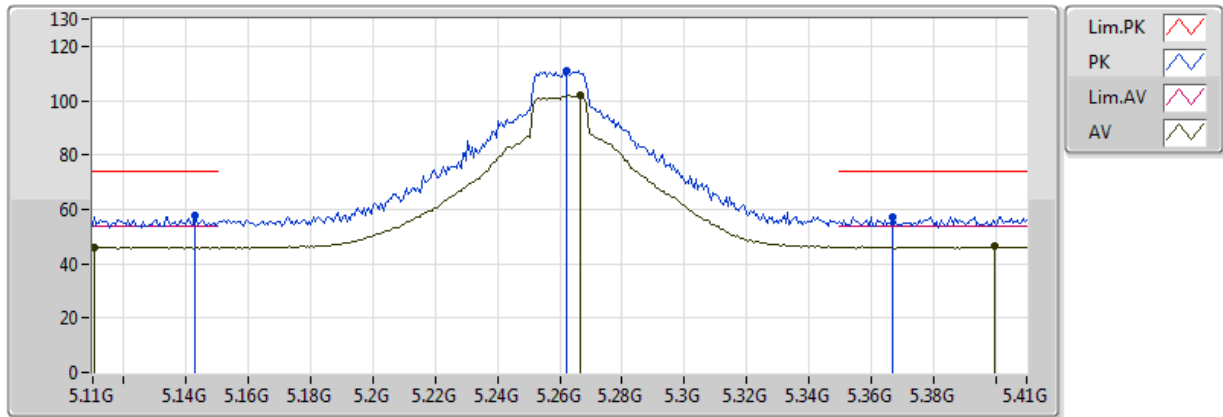


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.143G	46.62	54.00	-7.38	5.13	3	Vertical	173	1.24	-
AV	5.263G	106.06	Inf	-Inf	5.26	3	Vertical	173	1.24	-
AV	5.3596G	46.48	54.00	-7.52	5.36	3	Vertical	173	1.24	-
PK	5.11G	57.90	74.00	-16.10	5.09	3	Vertical	173	1.24	-
PK	5.2648G	116.04	Inf	-Inf	5.26	3	Vertical	173	1.24	-
PK	5.3584G	57.61	74.00	-16.39	5.36	3	Vertical	173	1.24	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

04/05/2018

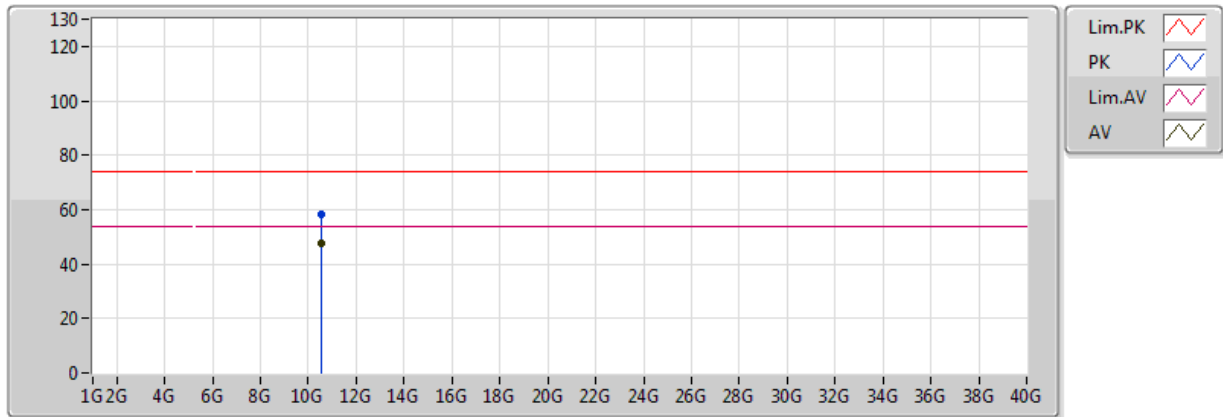


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1106G	46.12	54.00	-7.88	5.09	3	Horizontal	166	1.66	-
AV	5.2666G	102.01	Inf	-Inf	5.26	3	Horizontal	166	1.66	-
AV	5.3998G	46.30	54.00	-7.70	5.41	3	Horizontal	166	1.66	-
PK	5.143G	57.84	74.00	-16.16	5.13	3	Horizontal	166	1.66	-
PK	5.2624G	111.12	Inf	-Inf	5.26	3	Horizontal	166	1.66	-
PK	5.3668G	57.26	74.00	-16.74	5.38	3	Horizontal	166	1.66	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

04/05/2018

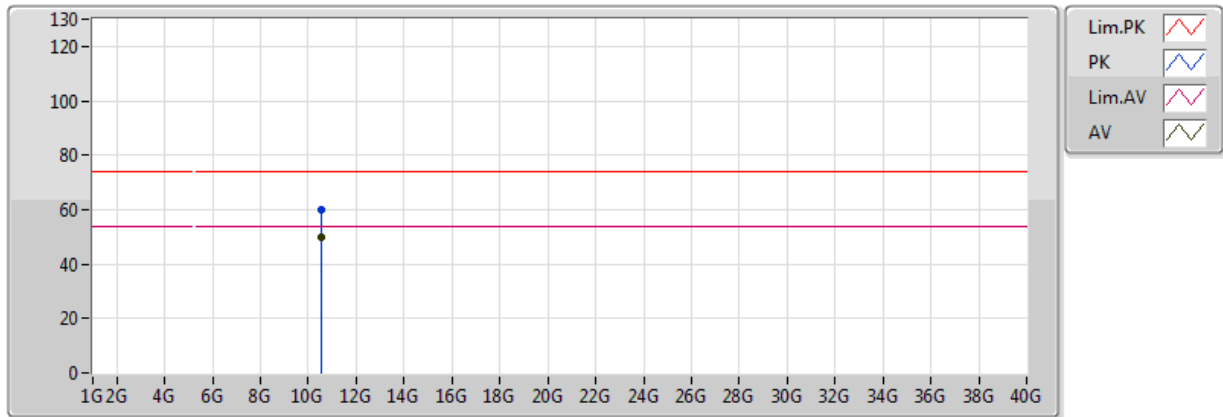


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.52G	47.88	54.00	-6.12	12.22	3	Vertical	335	1.39	-
PK	10.52036G	58.06	74.00	-15.94	12.22	3	Vertical	335	1.39	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

04/05/2018

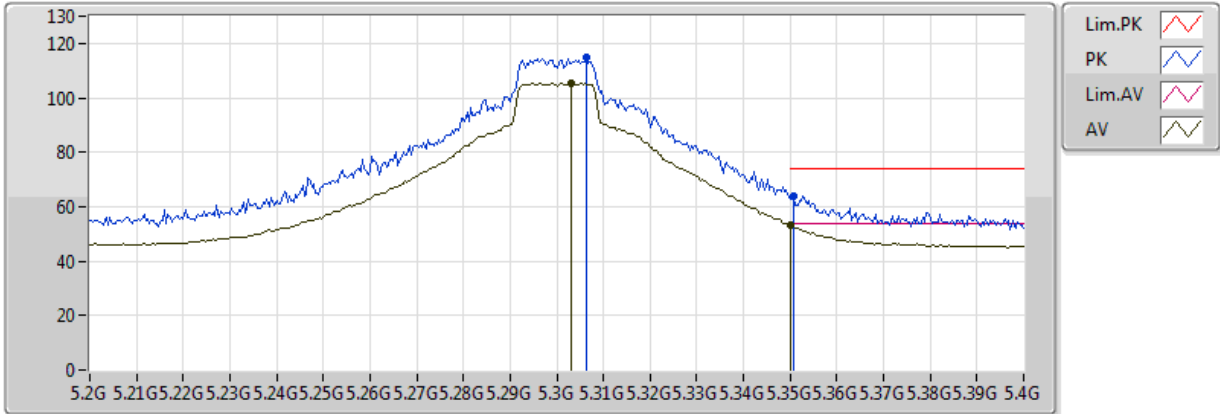


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.52024G	49.81	54.00	-4.19	12.22	3	Horizontal	39	1.49	-
PK	10.52042G	59.92	74.00	-14.08	12.22	3	Horizontal	39	1.49	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

04/05/2018

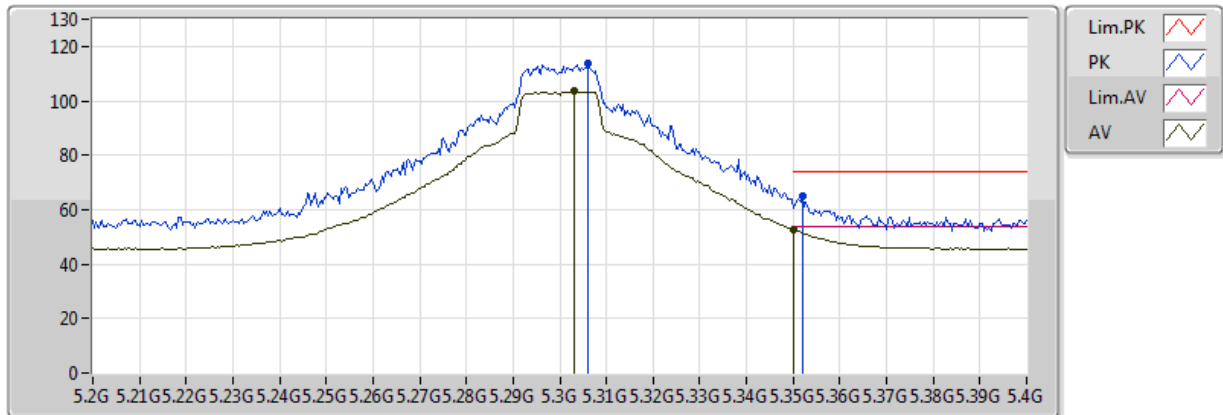


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3032G	105.56	Inf	-Inf	5.30	3	Vertical	188	1.82	-
AV	5.350005G	53.21	54.00	-0.79	5.36	3	Vertical	188	1.82	-
PK	5.3064G	114.68	Inf	-Inf	5.31	3	Vertical	188	1.82	-
PK	5.3508G	64.02	74.00	-9.98	5.36	3	Vertical	188	1.82	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

04/05/2018

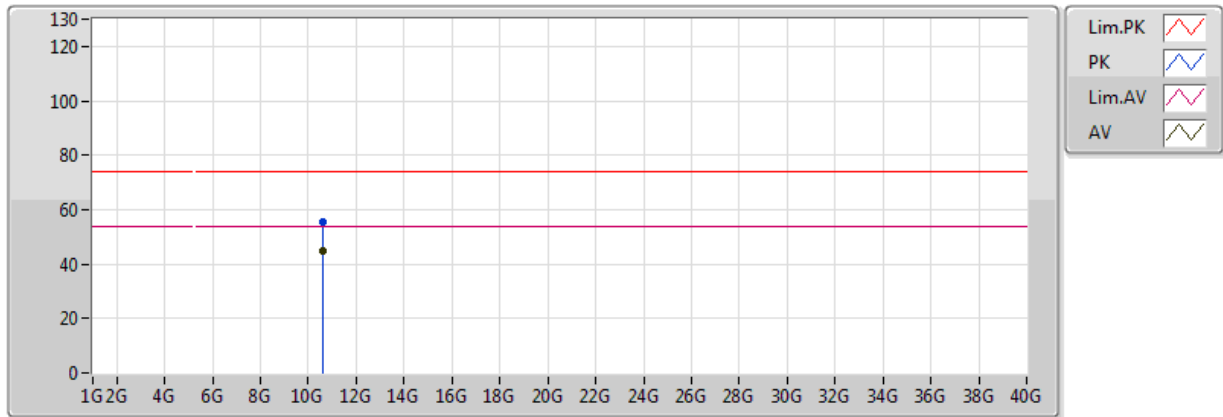


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3032G	103.50	Inf	-Inf	5.30	3	Horizontal	167	1.50	-
AV	5.350005G	52.49	54.00	-1.51	5.36	3	Horizontal	167	1.50	-
PK	5.306G	113.61	Inf	-Inf	5.31	3	Horizontal	167	1.50	-
PK	5.352G	64.72	74.00	-9.28	5.36	3	Horizontal	167	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

04/05/2018

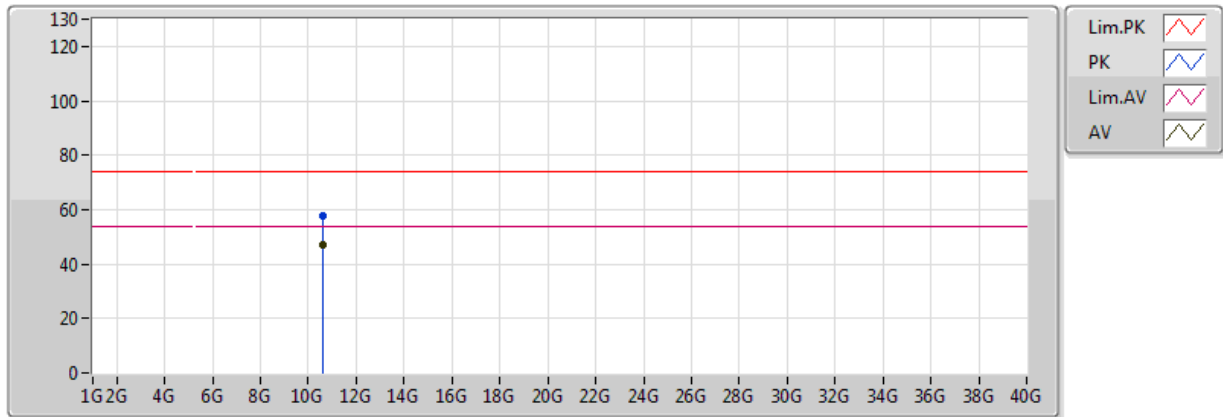


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.60012G	45.00	54.00	-9.00	12.31	3	Vertical	335	1.42	-
PK	10.59418G	55.36	74.00	-18.64	12.30	3	Vertical	335	1.42	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

04/05/2018

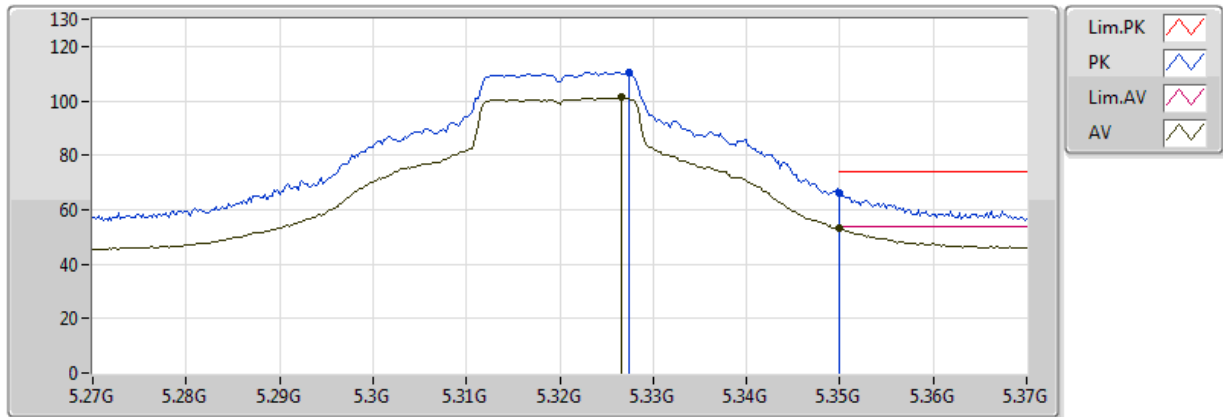


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.60018G	47.12	54.00	-6.88	12.31	3	Horizontal	32	1.50	-
PK	10.59964G	57.54	74.00	-16.46	12.31	3	Horizontal	32	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

04/05/2018

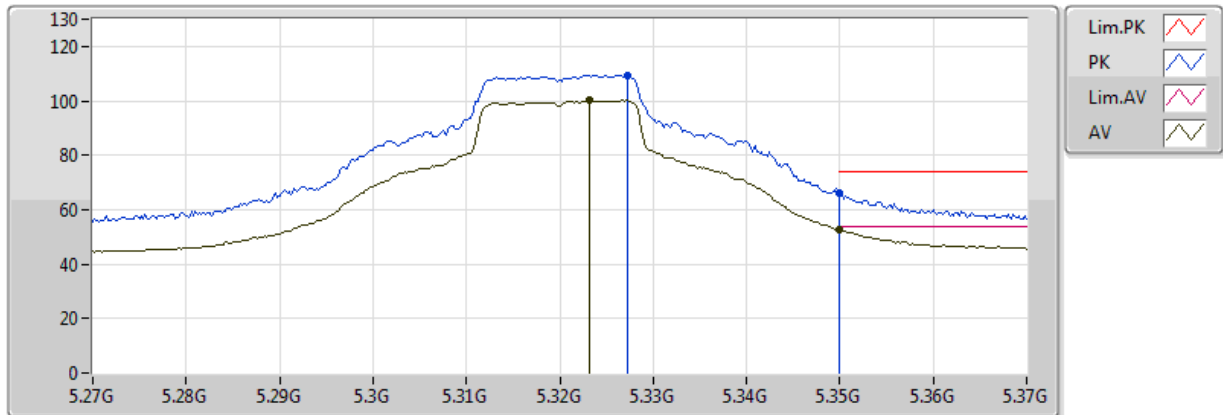


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3266G	101.39	Inf	-Inf	5.33	3	Vertical	189	1.47	-
AV	5.350005G	53.30	54.00	-0.70	5.36	3	Vertical	189	1.47	-
PK	5.3274G	110.37	Inf	-Inf	5.33	3	Vertical	189	1.47	-
PK	5.350005G	66.08	74.00	-7.92	5.36	3	Vertical	189	1.47	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

04/05/2018

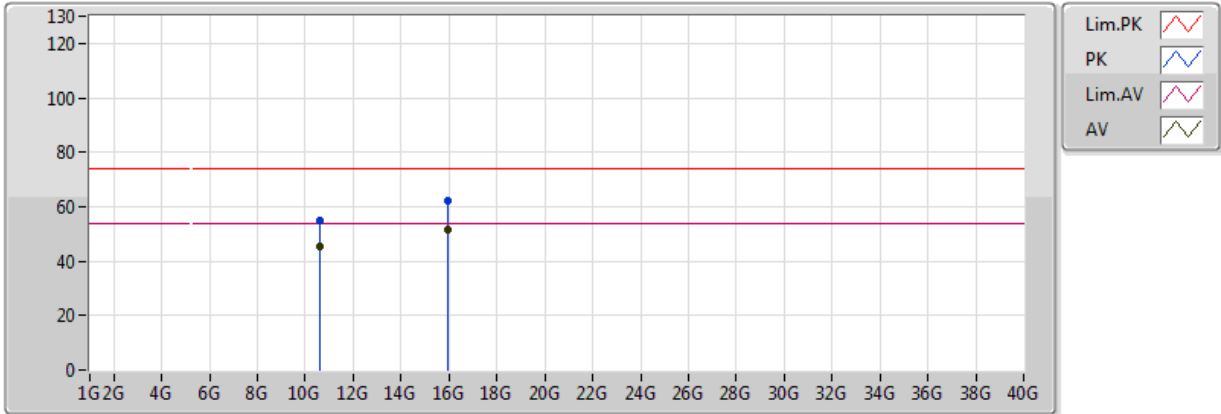


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3232G	100.18	Inf	-Inf	5.33	3	Horizontal	168	1.29	-
AV	5.350005G	52.76	54.00	-1.24	5.36	3	Horizontal	168	1.29	-
PK	5.3272G	109.49	Inf	-Inf	5.33	3	Horizontal	168	1.29	-
PK	5.350005G	66.35	74.00	-7.65	5.36	3	Horizontal	168	1.29	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

04/05/2018

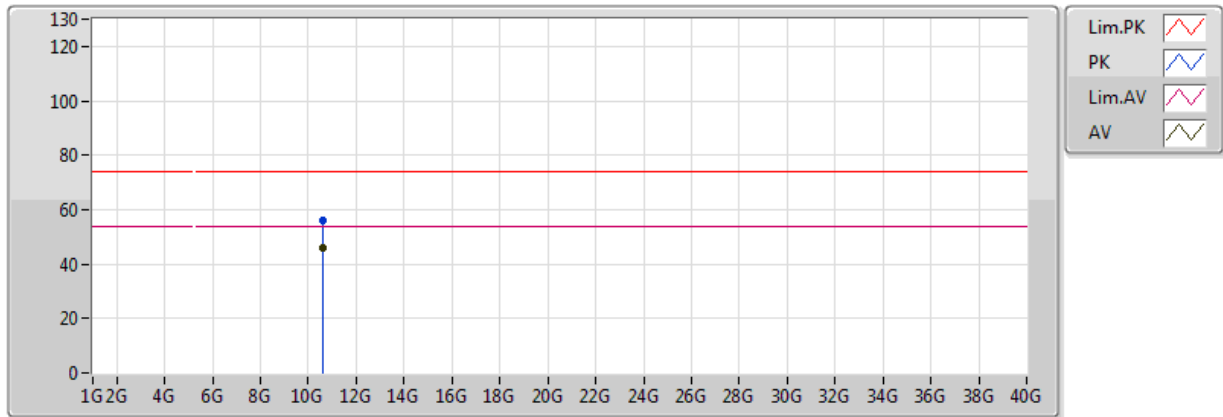


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.6384G	45.34	54.00	-8.66	12.35	3	Vertical	5	1.16	-
AV	15.9622G	51.49	54.00	-2.51	17.23	3	Vertical	0	1.36	-
PK	10.634G	54.89	74.00	-19.11	12.35	3	Vertical	5	1.16	-
PK	15.9594G	62.15	74.00	-11.85	17.24	3	Vertical	0	1.36	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

04/05/2018

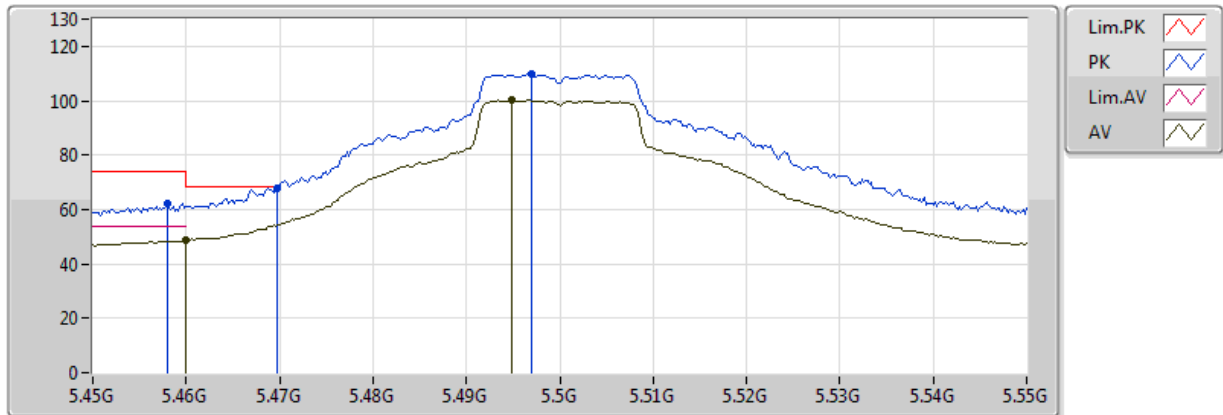


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.6383G	46.07	54.00	-7.93	12.35	3	Horizontal	36	1.48	-
PK	10.6381G	55.94	74.00	-18.06	12.35	3	Horizontal	36	1.48	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

04/05/2018

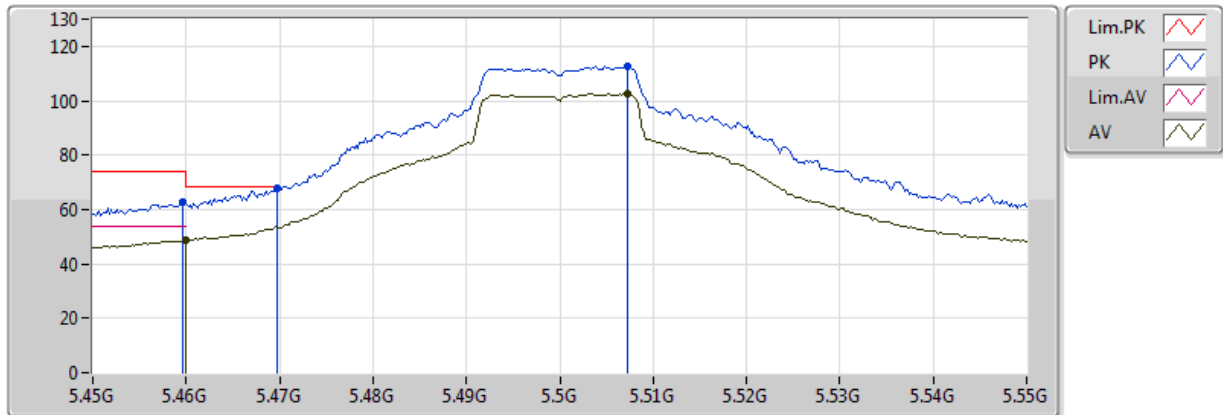


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.459995G	48.65	54.00	-5.35	5.47	3	Vertical	178	1.50	-
AV	5.4948G	100.19	Inf	-Inf	5.51	3	Vertical	178	1.50	-
PK	5.458G	62.09	74.00	-11.91	5.47	3	Vertical	178	1.50	-
PK	5.4698G	67.91	68.20	-0.29	5.49	3	Vertical	178	1.50	-
PK	5.497G	109.78	Inf	-Inf	5.52	3	Vertical	178	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

04/05/2018

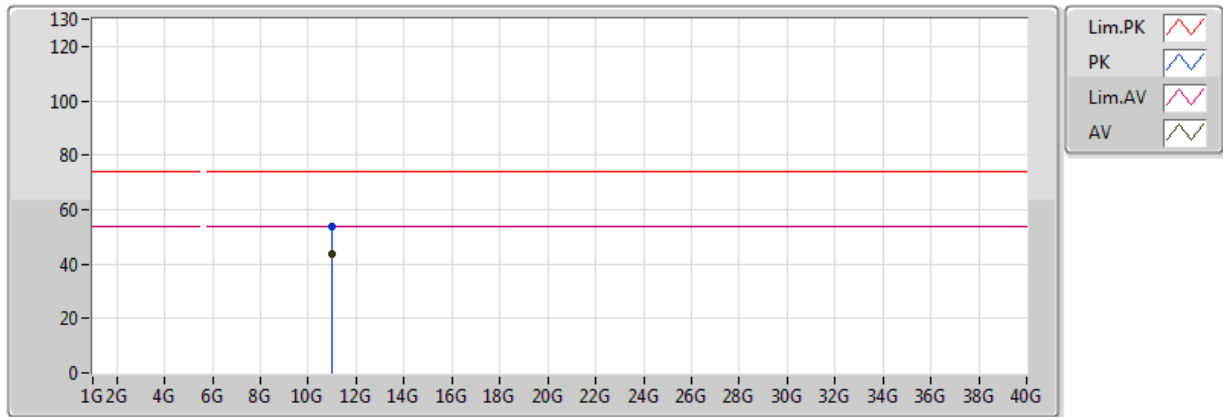


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.459995G	48.65	54.00	-5.35	5.47	3	Horizontal	172	1.29	-
AV	5.5072G	102.54	Inf	-Inf	5.53	3	Horizontal	172	1.29	-
PK	5.4596G	62.59	74.00	-11.41	5.47	3	Horizontal	172	1.29	-
PK	5.4698G	67.61	68.20	-0.59	5.49	3	Horizontal	172	1.29	-
PK	5.5072G	112.72	Inf	-Inf	5.53	3	Horizontal	172	1.29	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

04/05/2018

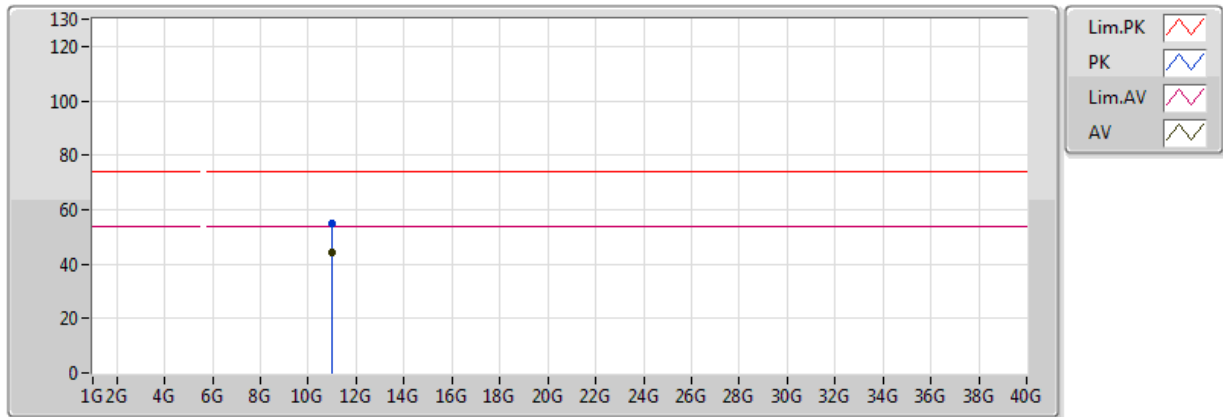


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.00228G	43.61	54.00	-10.39	12.76	3	Vertical	356	1.24	-
PK	11G	53.76	74.00	-20.24	12.75	3	Vertical	356	1.24	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

04/05/2018

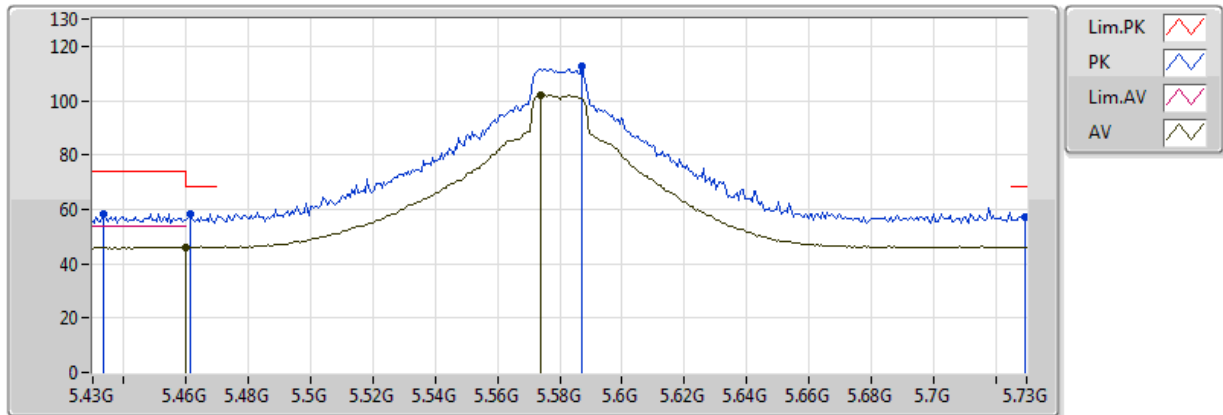


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.99976G	44.26	54.00	-9.74	12.75	3	Horizontal	63	2.12	-
PK	10.99946G	55.16	74.00	-18.84	12.75	3	Horizontal	63	2.12	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

04/05/2018

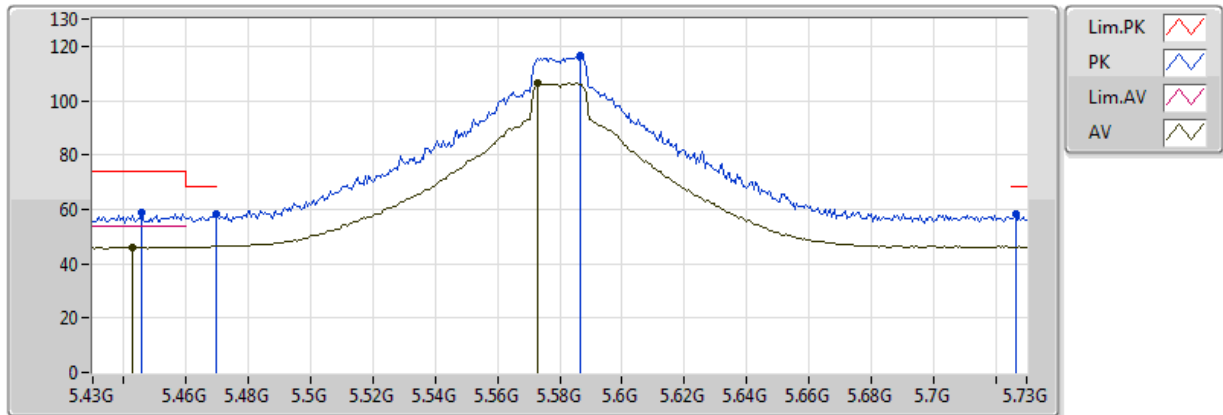


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.46G	45.91	54.00	-8.09	5.47	3	Vertical	172	1.36	-
AV	5.574G	101.95	Inf	-Inf	5.63	3	Vertical	172	1.36	-
PK	5.4336G	58.49	74.00	-15.51	5.44	3	Vertical	172	1.36	-
PK	5.4612G	58.55	68.20	-9.65	5.47	3	Vertical	172	1.36	-
PK	5.5872G	112.38	Inf	-Inf	5.65	3	Vertical	172	1.36	-
PK	5.7294G	57.39	68.20	-10.81	5.85	3	Vertical	172	1.36	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

04/05/2018

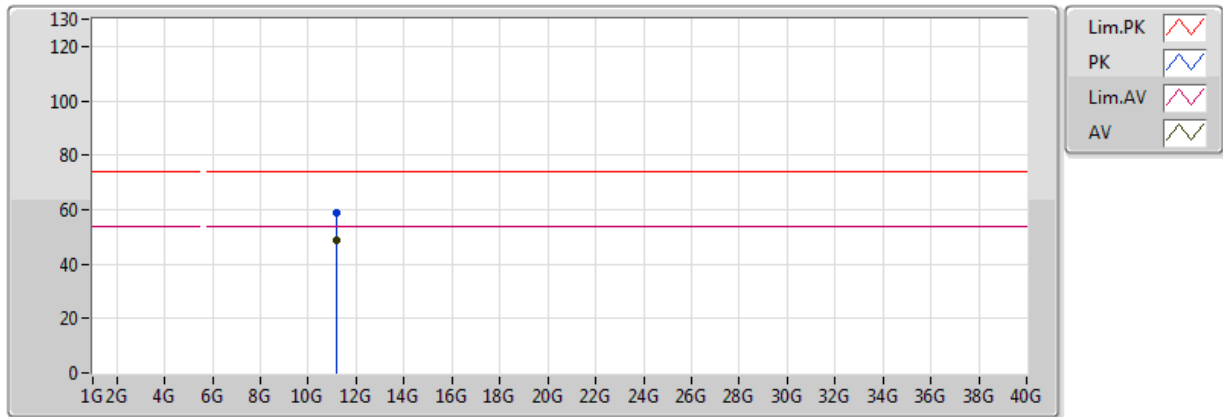


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.4426G	46.22	54.00	-7.78	5.46	3	Horizontal	185	1.48	-
AV	5.5728G	106.45	Inf	-Inf	5.62	3	Horizontal	185	1.48	-
PK	5.4456G	58.65	74.00	-15.35	5.46	3	Horizontal	185	1.48	-
PK	5.4696G	58.31	68.20	-9.89	5.49	3	Horizontal	185	1.48	-
PK	5.5866G	116.68	Inf	-Inf	5.64	3	Horizontal	185	1.48	-
PK	5.7264G	58.40	68.20	-9.80	5.85	3	Horizontal	185	1.48	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

04/05/2018

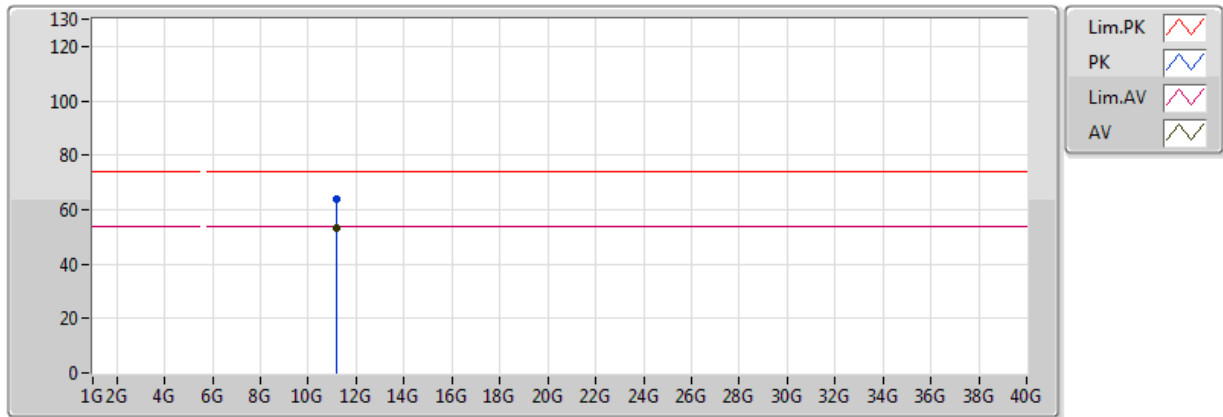


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.1618G	48.54	54.00	-5.46	13.17	3	Vertical	3	1.06	-
PK	11.16162G	58.59	74.00	-15.41	13.17	3	Vertical	3	1.06	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

04/05/2018

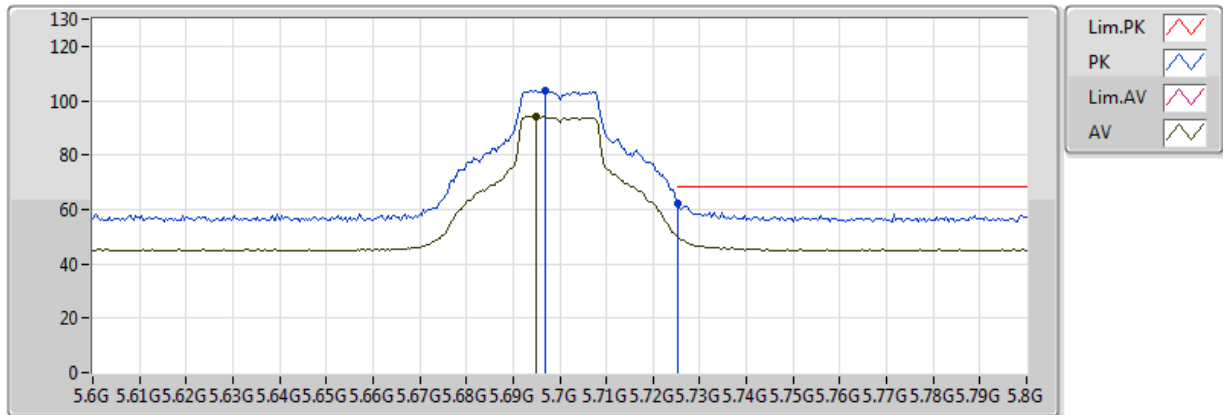


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.16162G	53.38	54.00	-0.62	13.17	3	Horizontal	54	1.40	-
PK	11.16054G	63.94	74.00	-10.06	13.17	3	Horizontal	54	1.40	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

04/05/2018

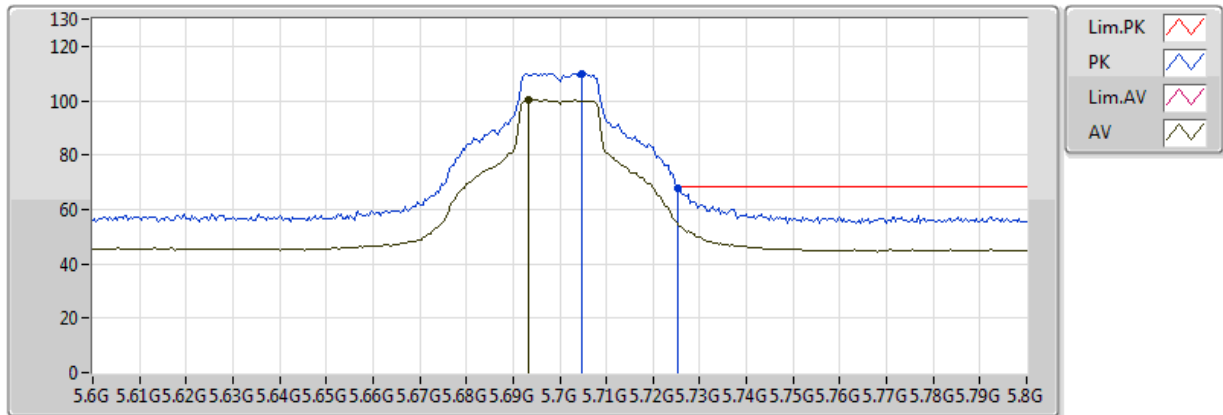


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.6948G	94.37	Inf	-Inf	5.80	3	Vertical	188	1.82	-
PK	5.6968G	103.57	Inf	-Inf	5.80	3	Vertical	188	1.82	-
PK	5.7252G	61.96	68.20	-6.24	5.85	3	Vertical	188	1.82	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

04/05/2018

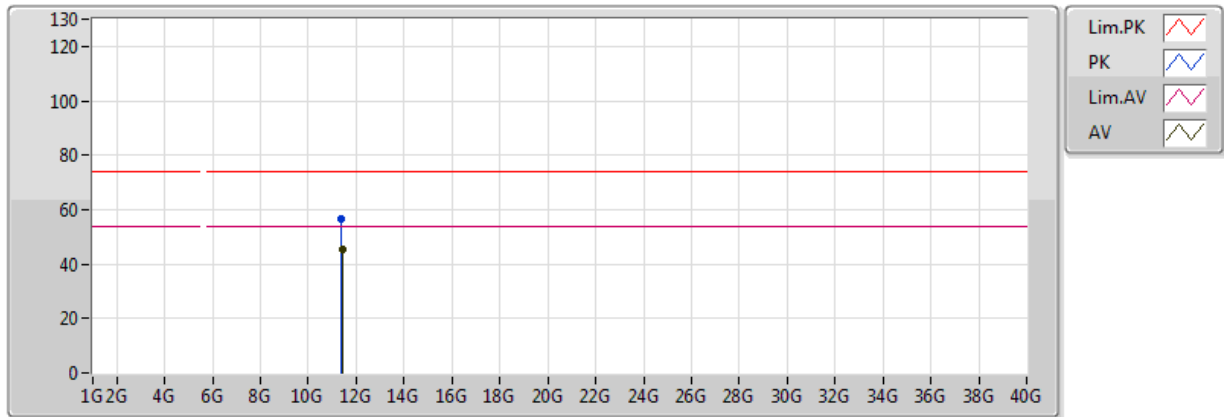


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.6932G	100.47	Inf	-Inf	5.80	3	Horizontal	174	1.04	-
PK	5.7048G	109.92	Inf	-Inf	5.81	3	Horizontal	174	1.04	-
PK	5.7252G	67.65	68.20	-0.55	5.85	3	Horizontal	174	1.04	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

04/05/2018

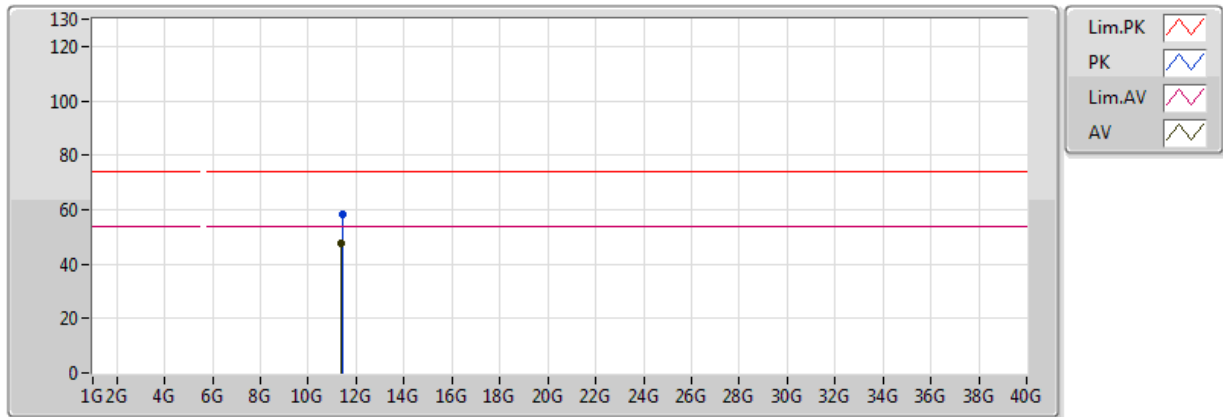


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.40276G	45.27	54.00	-8.73	13.79	3	Vertical	19	1.47	-
PK	11.39994G	56.45	74.00	-17.55	13.79	3	Vertical	19	1.47	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

04/05/2018

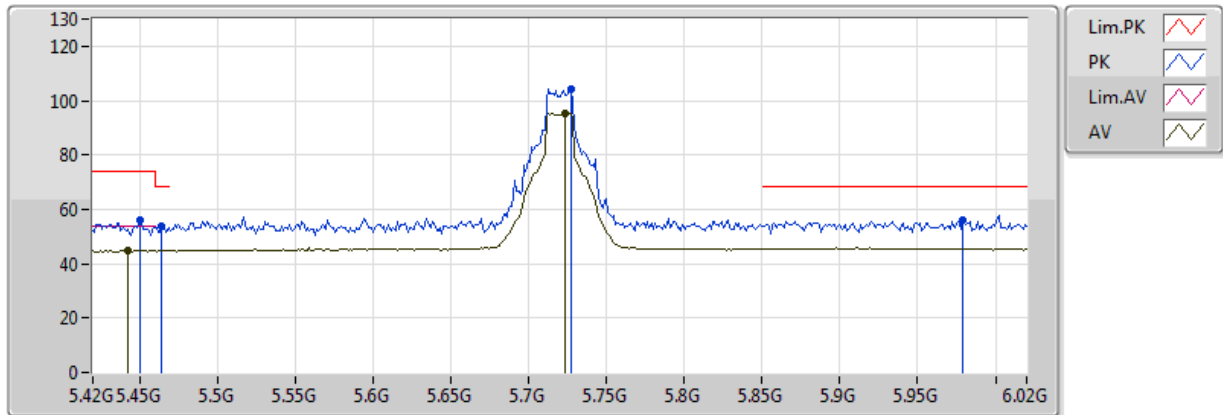


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.39988G	47.78	54.00	-6.22	13.79	3	Horizontal	49	1.50	-
PK	11.40258G	58.08	74.00	-15.92	13.79	3	Horizontal	49	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

04/05/2018

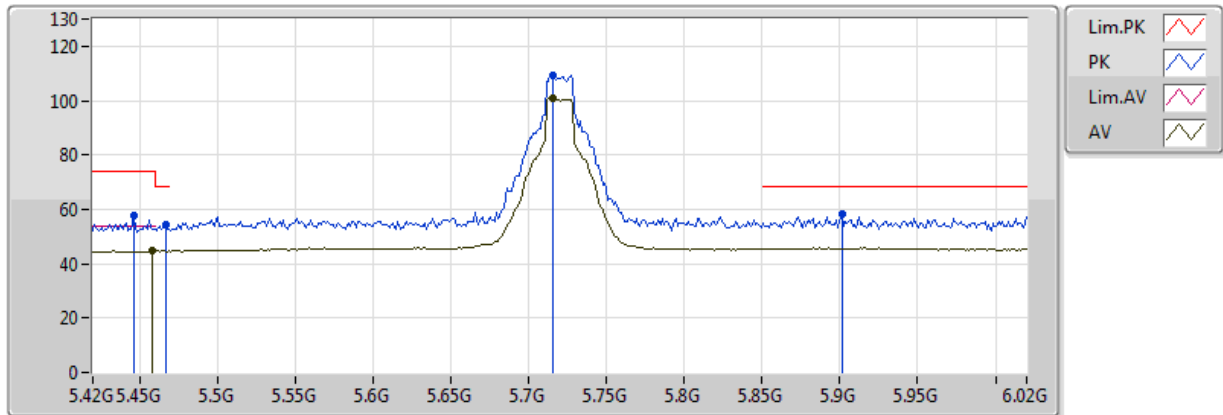


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.4428G	44.73	54.00	-9.27	5.46	3	Vertical	160	1.50	-
AV	5.7236G	95.35	Inf	-Inf	5.84	3	Vertical	160	1.50	-
PK	5.45G	55.94	74.00	-18.06	5.46	3	Vertical	160	1.50	-
PK	5.4644G	53.80	68.20	-14.40	5.49	3	Vertical	160	1.50	-
PK	5.7272G	104.47	Inf	-Inf	5.85	3	Vertical	160	1.50	-
PK	5.9792G	56.28	68.20	-11.92	6.22	3	Vertical	160	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

04/05/2018

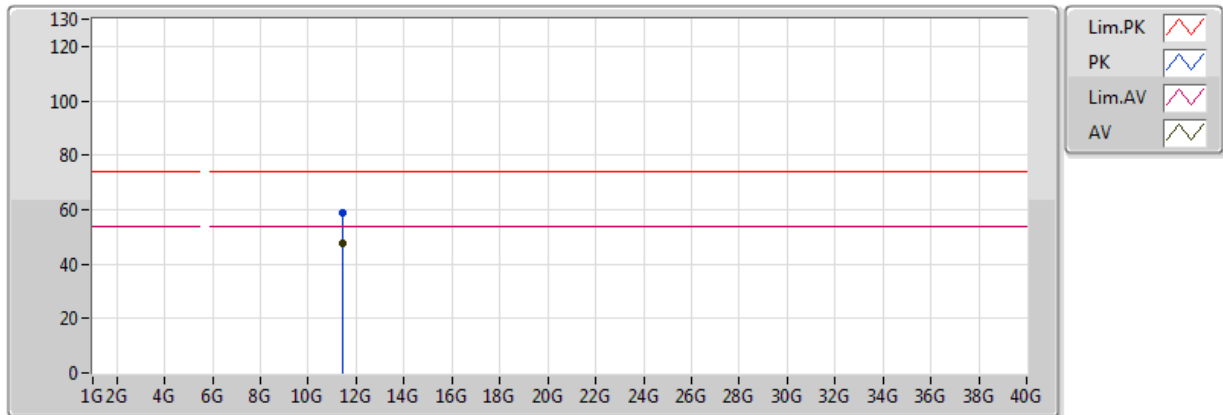


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.4584G	44.85	54.00	-9.15	5.47	3	Horizontal	185	2.01	-
AV	5.7152G	100.98	Inf	-Inf	5.83	3	Horizontal	185	2.01	-
PK	5.4464G	57.58	74.00	-16.42	5.46	3	Horizontal	185	2.01	-
PK	5.4668G	54.14	68.20	-14.06	5.49	3	Horizontal	185	2.01	-
PK	5.7152G	109.24	Inf	-Inf	5.83	3	Horizontal	185	2.01	-
PK	5.9012G	58.36	68.20	-9.84	6.10	3	Horizontal	185	2.01	-

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

04/05/2018

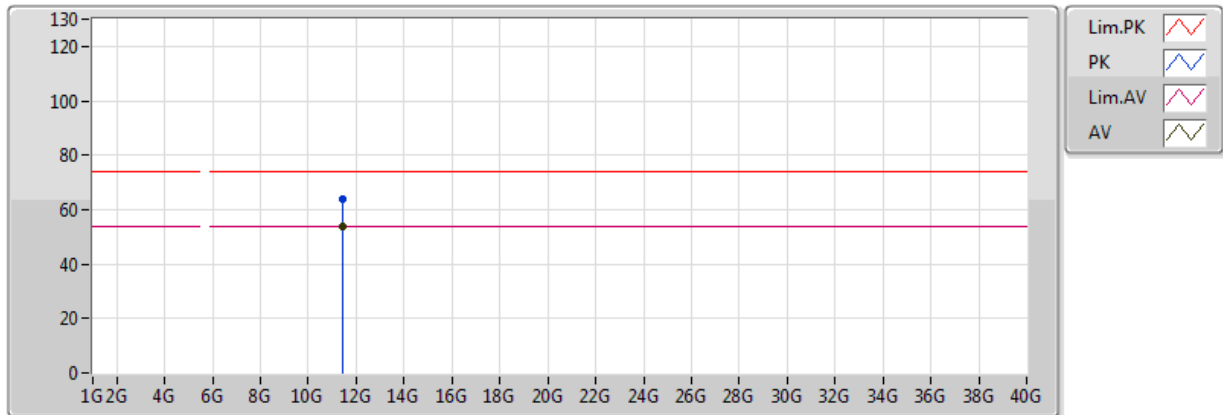


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.43772G	47.89	54.00	-6.11	13.88	3	Vertical	16	1.50	-
PK	11.44096G	58.71	74.00	-15.29	13.89	3	Vertical	16	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

04/05/2018

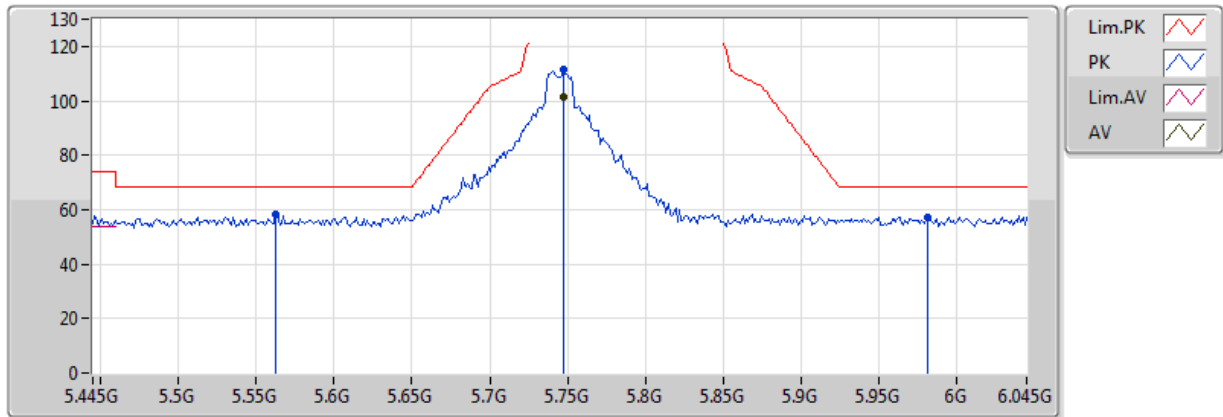


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.43976G	53.72	54.00	-0.28	13.89	3	Horizontal	50	1.52	-
PK	11.4415G	63.87	74.00	-10.13	13.89	3	Horizontal	50	1.52	-

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

04/05/2018

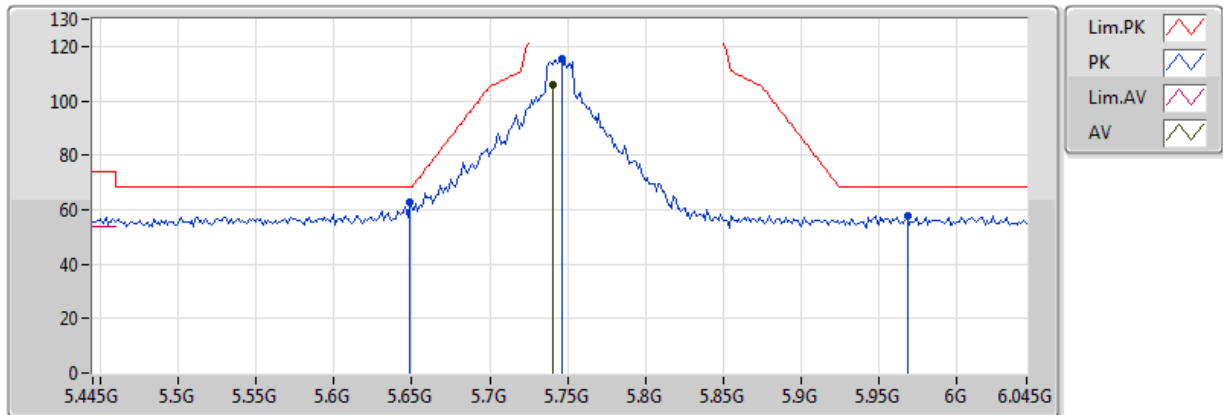


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.7474G	101.40	Inf	-Inf	5.88	3	Vertical	182	1.68	-
PK	5.5626G	58.33	68.20	-9.87	5.60	3	Vertical	182	1.68	-
PK	5.7474G	111.31	Inf	-Inf	5.88	3	Vertical	182	1.68	-
PK	5.9814G	57.31	68.20	-10.89	6.21	3	Vertical	182	1.68	-

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

04/05/2018

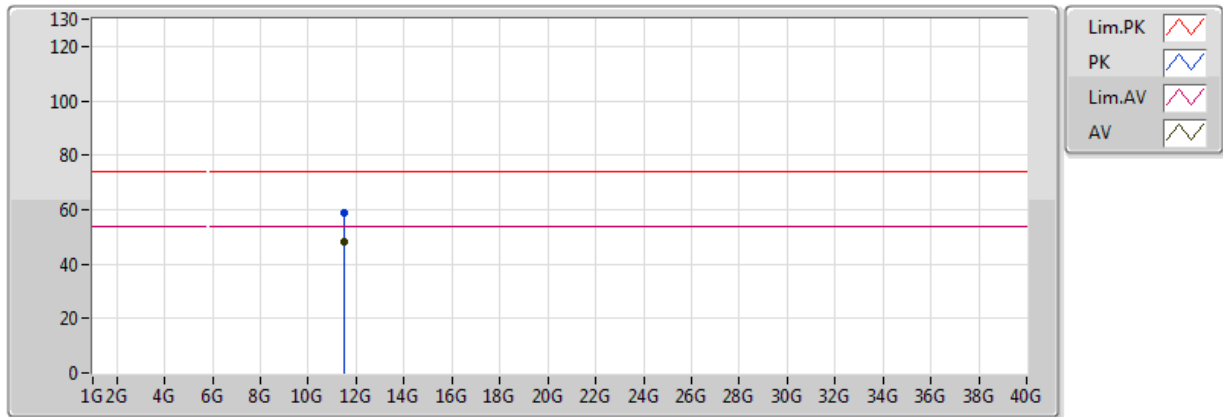


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.7402G	105.73	Inf	-Inf	5.87	3	Horizontal	177	1.50	-
PK	5.649G	62.65	68.20	-5.55	5.73	3	Horizontal	177	1.50	-
PK	5.7462G	115.65	Inf	-Inf	5.87	3	Horizontal	177	1.50	-
PK	5.9682G	57.49	68.20	-10.71	6.20	3	Horizontal	177	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

04/05/2018

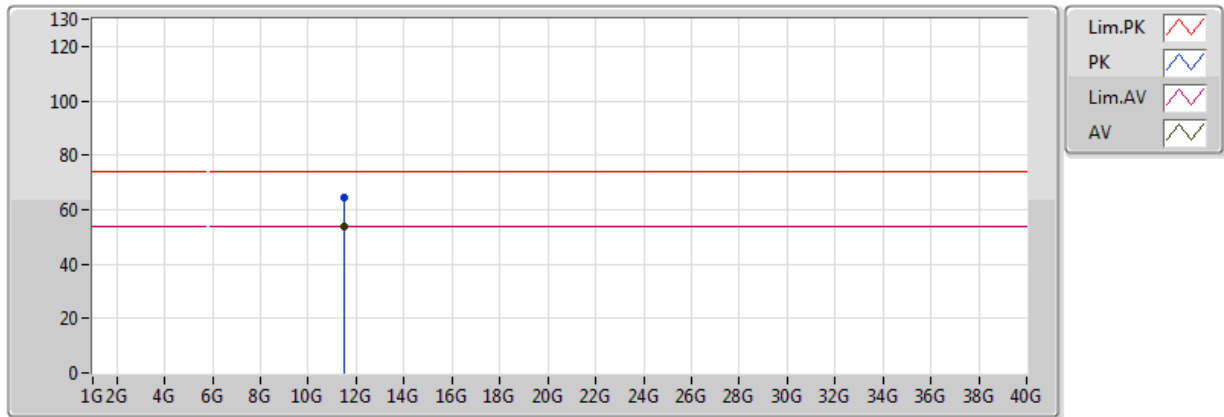


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.492G	48.45	54.00	-5.55	14.02	3	Vertical	16	1.35	-
PK	11.4918G	58.64	74.00	-15.36	14.02	3	Vertical	16	1.35	-

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

04/05/2018

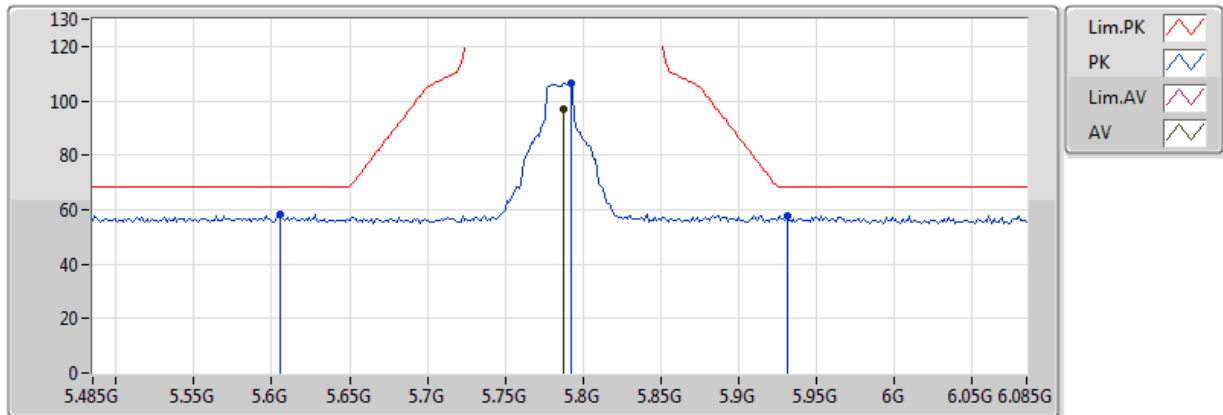


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.4916G	53.70	54.00	-0.30	14.02	3	Horizontal	45	1.17	-
PK	11.4914G	64.25	74.00	-9.75	14.02	3	Horizontal	45	1.17	-

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

04/05/2018

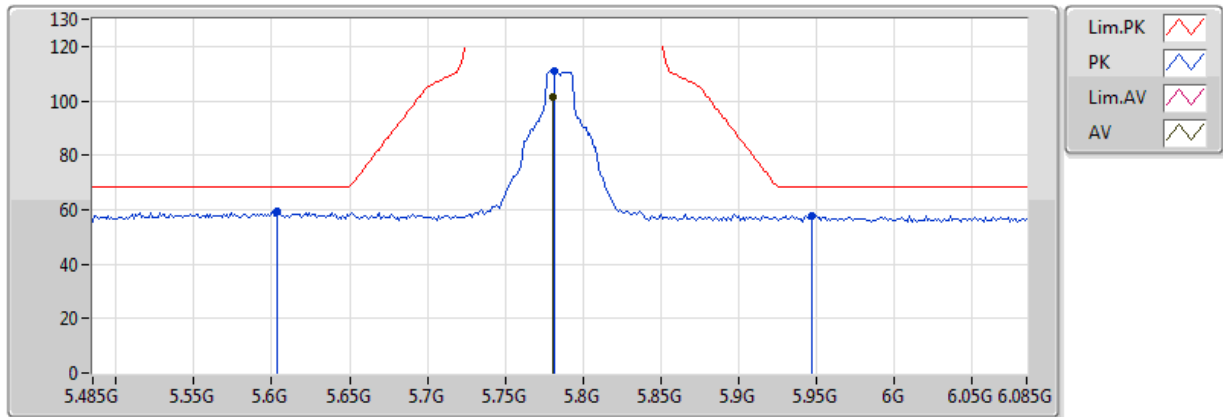


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.7874G	96.84	Inf	-Inf	5.93	3	Vertical	170	1.75	-
PK	5.605G	58.16	68.20	-10.04	5.66	3	Vertical	170	1.75	-
PK	5.7922G	106.42	Inf	-Inf	5.94	3	Vertical	170	1.75	-
PK	5.9314G	57.85	68.20	-10.35	6.14	3	Vertical	170	1.75	-

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

04/05/2018

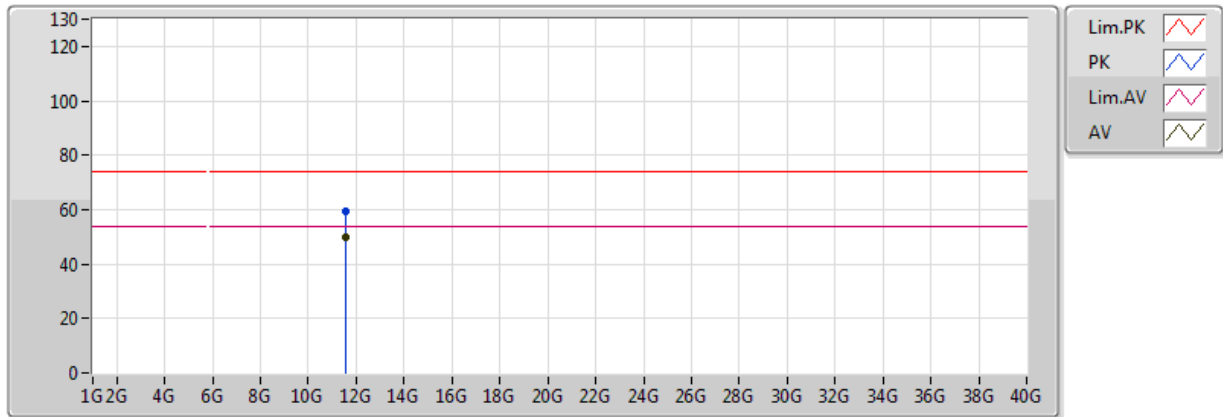


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.7802G	101.53	Inf	-Inf	5.92	3	Horizontal	176	1.49	-
PK	5.6038G	59.47	68.20	-8.73	5.66	3	Horizontal	176	1.49	-
PK	5.7814G	110.78	Inf	-Inf	5.93	3	Horizontal	176	1.49	-
PK	5.947G	57.71	68.20	-10.49	6.16	3	Horizontal	176	1.49	-

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

04/05/2018

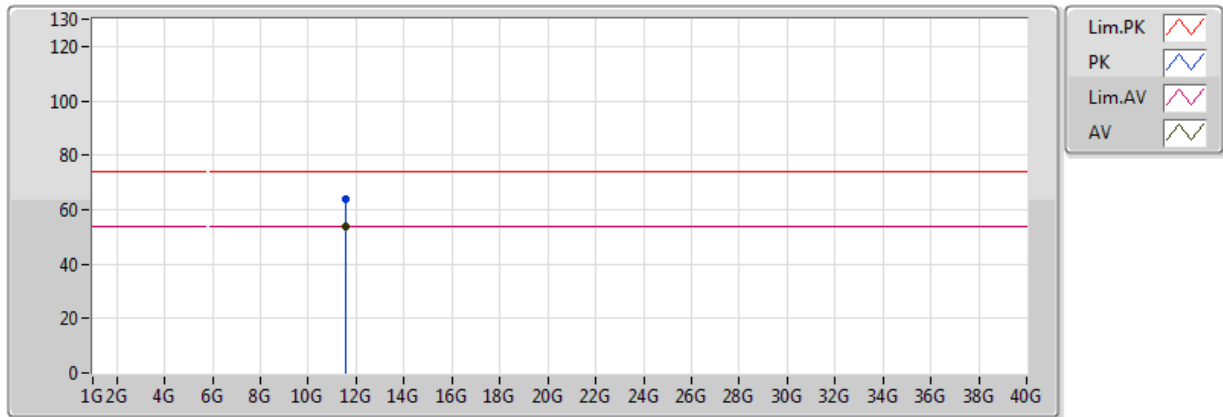


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.5716G	49.73	54.00	-4.27	14.21	3	Vertical	18	1.49	-
PK	11.5664G	59.57	74.00	-14.43	14.19	3	Vertical	18	1.49	-

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

04/05/2018

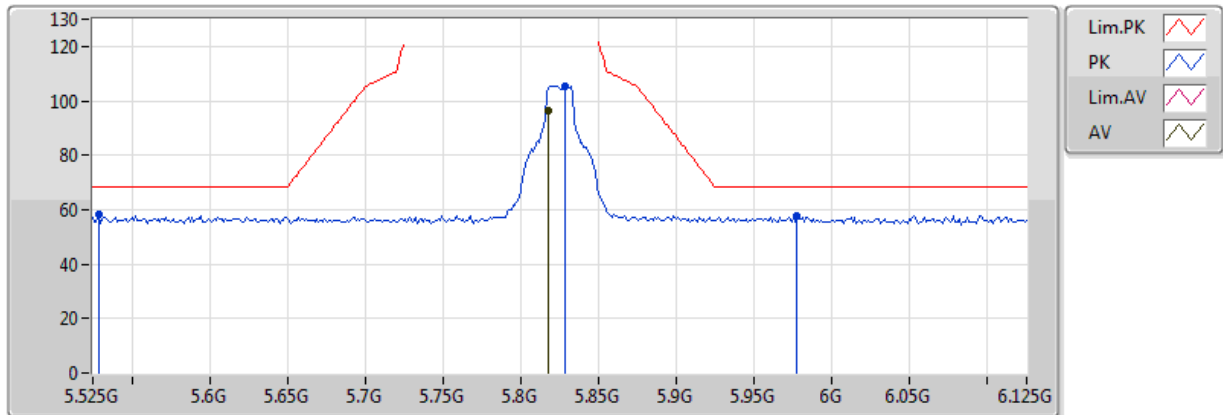


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.5702G	53.82	54.00	-0.18	14.20	3	Horizontal	45	1.50	-
PK	11.5706G	64.02	74.00	-9.98	14.20	3	Horizontal	45	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

04/05/2018

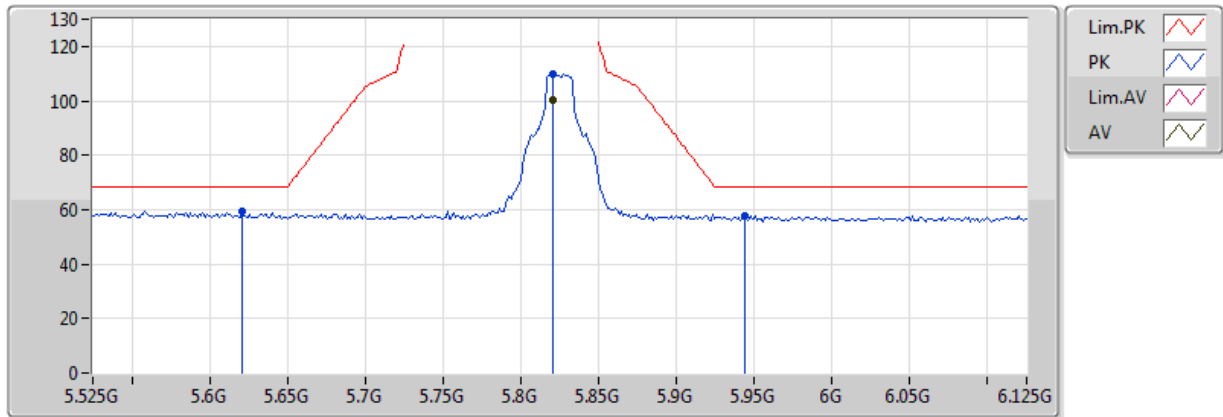


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.8178G	96.21	Inf	-Inf	5.98	3	Vertical	170	1.73	-
PK	5.5286G	58.26	68.20	-9.94	5.56	3	Vertical	170	1.73	-
PK	5.8286G	105.47	Inf	-Inf	5.99	3	Vertical	170	1.73	-
PK	5.9774G	57.67	68.20	-10.53	6.21	3	Vertical	170	1.73	-

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

04/05/2018

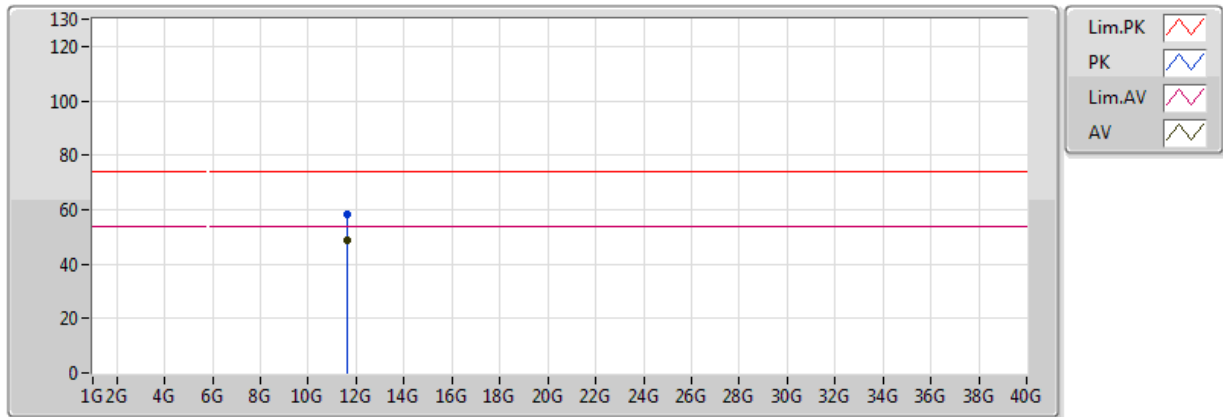


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.8202G	100.19	Inf	-Inf	5.98	3	Horizontal	178	1.47	-
PK	5.621G	59.66	68.20	-8.54	5.69	3	Horizontal	178	1.47	-
PK	5.8202G	109.85	Inf	-Inf	5.98	3	Horizontal	178	1.47	-
PK	5.9438G	57.63	68.20	-10.57	6.15	3	Horizontal	178	1.47	-

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

04/05/2018

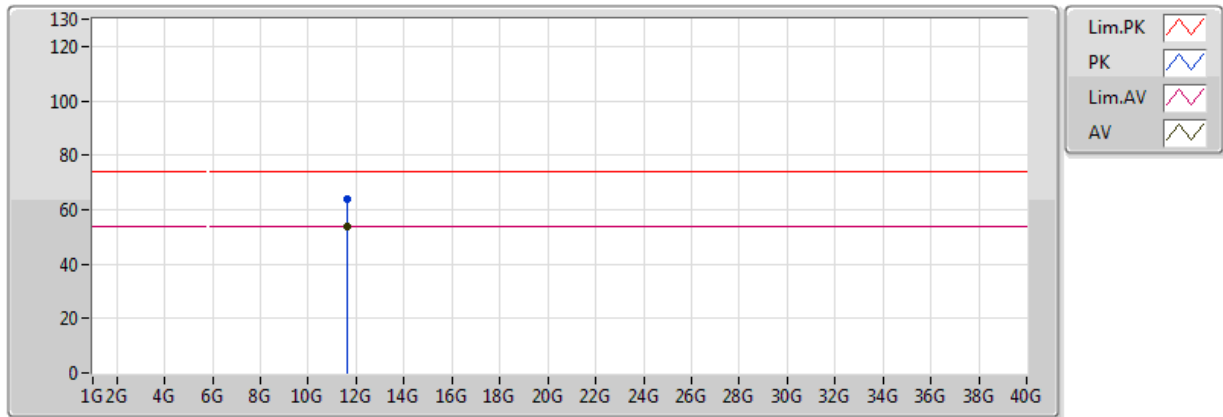


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.6518G	48.49	54.00	-5.51	14.39	3	Vertical	20	1.31	-
PK	11.6518G	58.35	74.00	-15.65	14.39	3	Vertical	20	1.31	-

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

04/05/2018

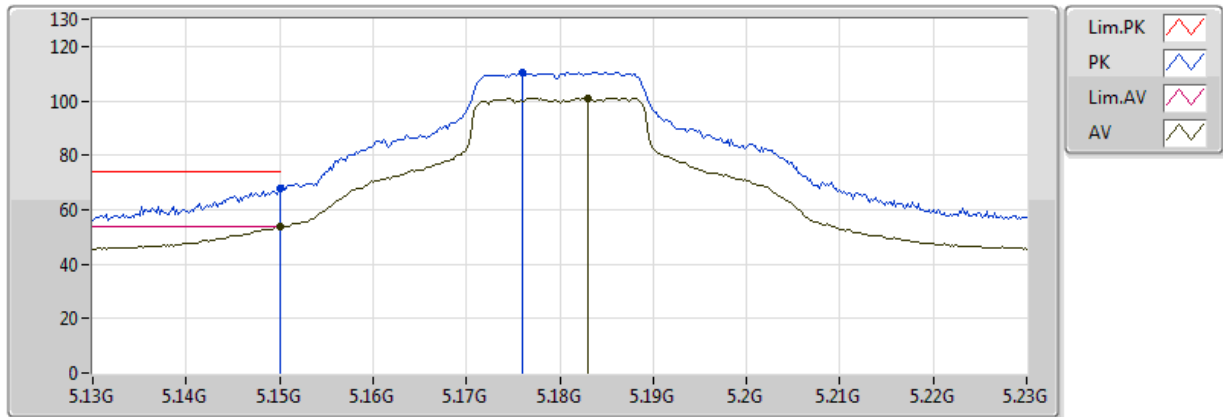


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.6498G	53.74	54.00	-0.26	14.38	3	Horizontal	46	2.14	-
PK	11.6516G	64.02	74.00	-9.98	14.39	3	Horizontal	46	2.14	-

802.11n HT20_Nss1,(MCS0)_1TX

5180MHz_TX

04/05/2018

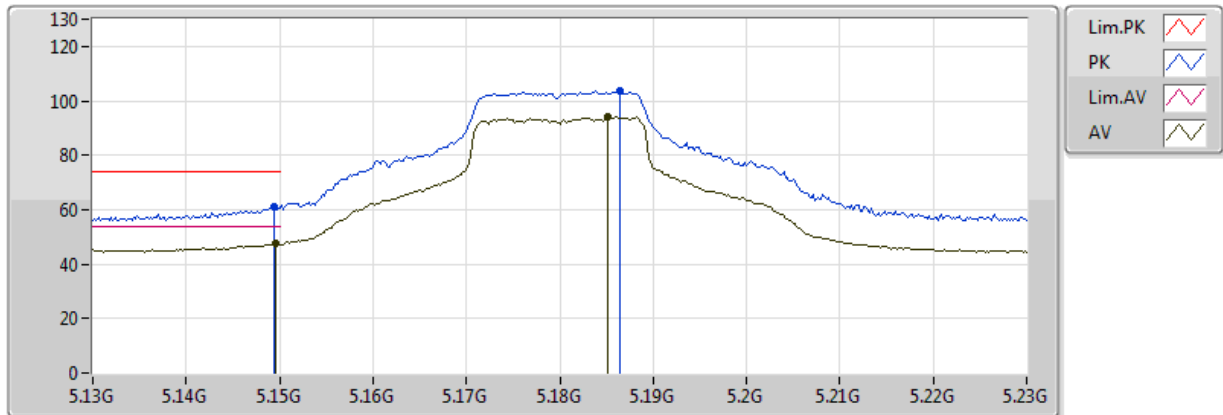


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.149995G	53.54	54.00	-0.46	5.13	3	Vertical	169	1.13	-
AV	5.183G	101.11	Inf	-Inf	5.17	3	Vertical	169	1.13	-
PK	5.149995G	67.70	74.00	-6.30	5.13	3	Vertical	169	1.13	-
PK	5.176G	110.43	Inf	-Inf	5.16	3	Vertical	169	1.13	-

802.11n HT20_Nss1,(MCS0)_1TX

5180MHz_TX

04/05/2018

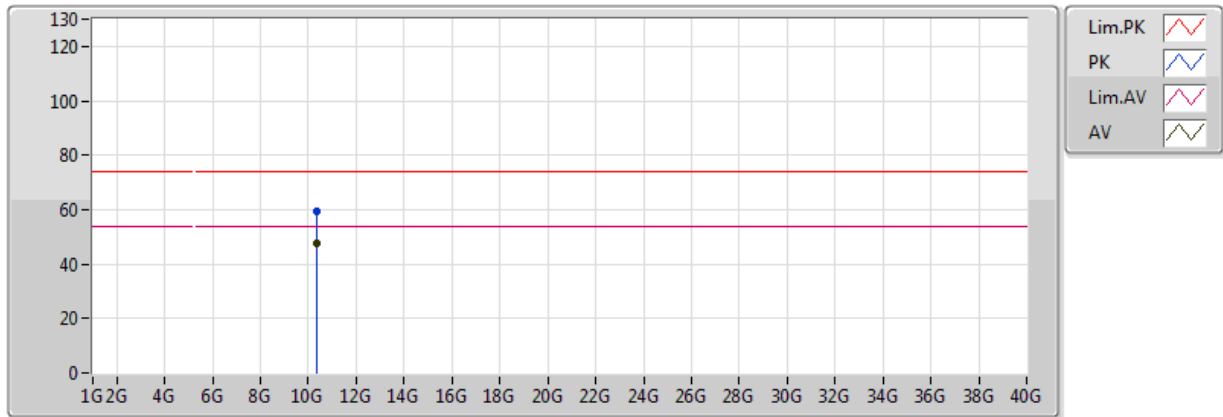


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1496G	47.35	54.00	-6.65	5.13	3	Horizontal	172	1.01	-
AV	5.1852G	93.96	Inf	-Inf	5.17	3	Horizontal	172	1.01	-
PK	5.1494G	61.14	74.00	-12.86	5.13	3	Horizontal	172	1.01	-
PK	5.1864G	103.55	Inf	-Inf	5.18	3	Horizontal	172	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

5180MHz_TX

04/05/2018

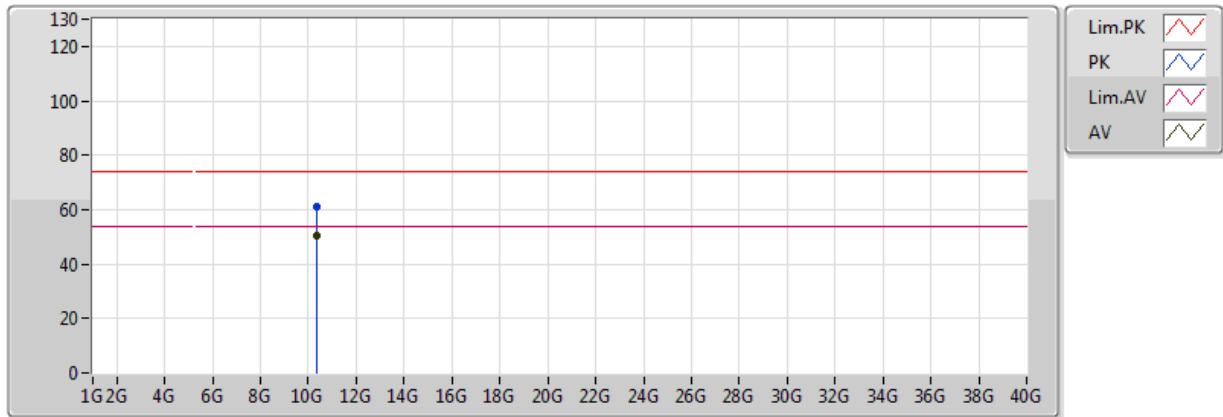


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.35964G	47.70	54.00	-6.30	12.01	3	Vertical	317	1.47	-
PK	10.35784G	59.14	74.00	-14.86	12.01	3	Vertical	317	1.47	-

802.11n HT20_Nss1,(MCS0)_1TX

5180MHz_TX

04/05/2018

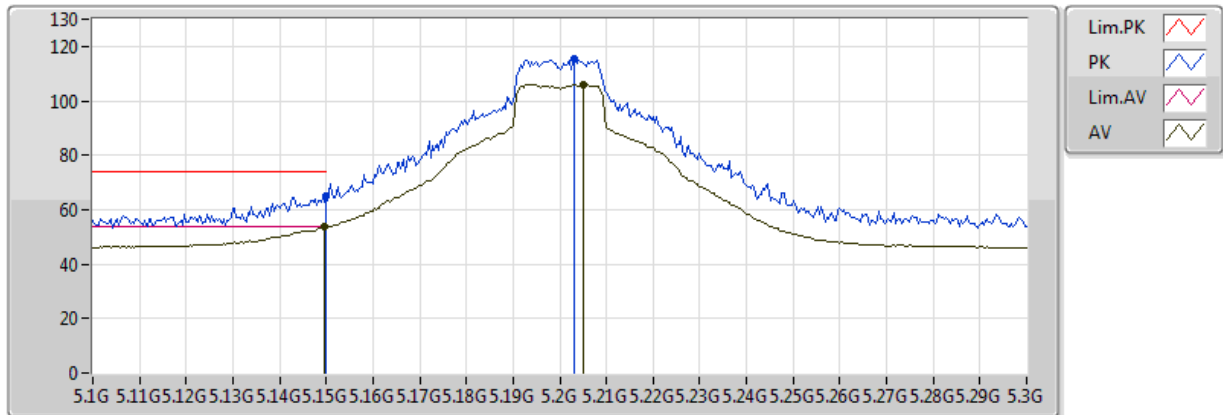


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.35952G	50.29	54.00	-3.71	12.01	3	Horizontal	42	1.50	-
PK	10.36252G	61.07	74.00	-12.93	12.02	3	Horizontal	42	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

5200MHz_TX

04/05/2018

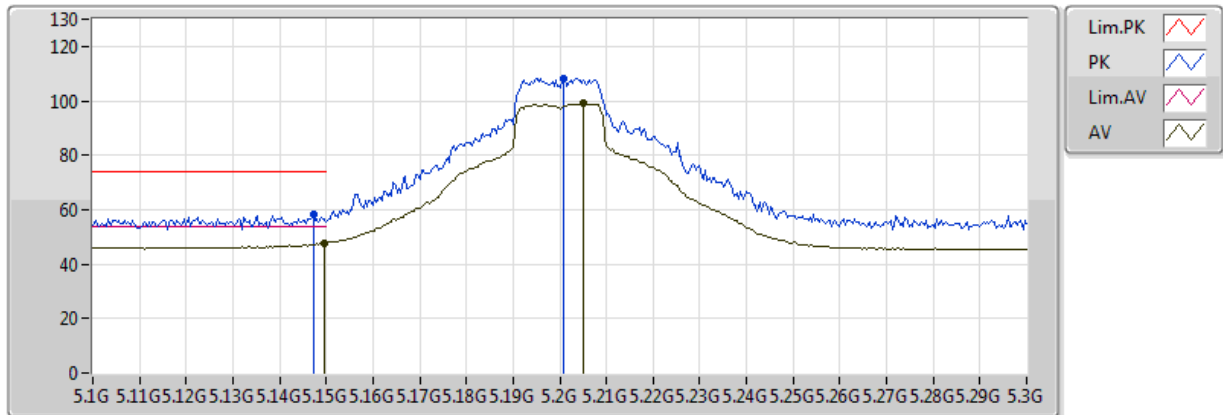


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1496G	53.65	54.00	-0.35	5.13	3	Vertical	182	1.46	-
AV	5.2052G	105.93	Inf	-Inf	5.20	3	Vertical	182	1.46	-
PK	5.149995G	64.78	74.00	-9.22	5.13	3	Vertical	182	1.46	-
PK	5.2032G	115.36	Inf	-Inf	5.19	3	Vertical	182	1.46	-

802.11n HT20_Nss1,(MCS0)_1TX

5200MHz_TX

04/05/2018

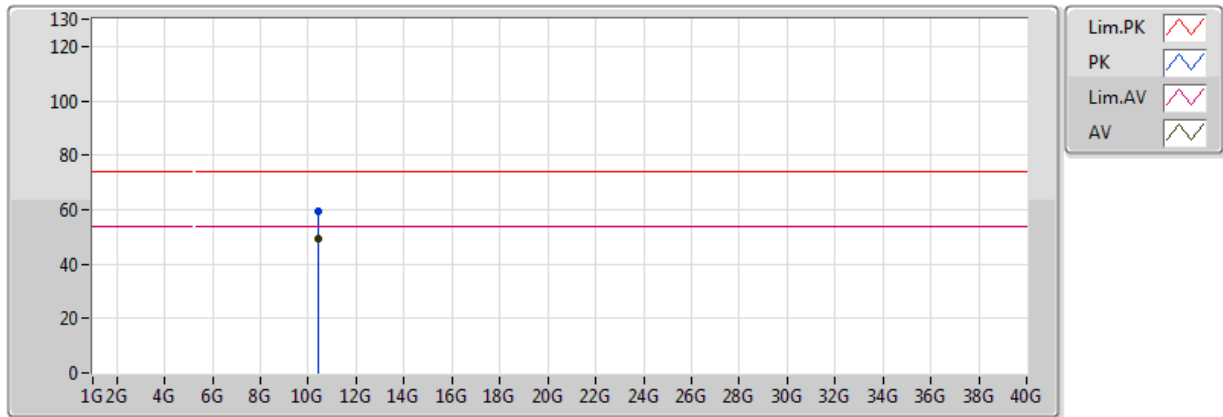


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1496G	47.73	54.00	-6.27	5.13	3	Horizontal	195	1.49	-
AV	5.2052G	99.05	Inf	-Inf	5.20	3	Horizontal	195	1.49	-
PK	5.1472G	58.05	74.00	-15.95	5.13	3	Horizontal	195	1.49	-
PK	5.2008G	108.35	Inf	-Inf	5.19	3	Horizontal	195	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

5200MHz_TX

04/05/2018

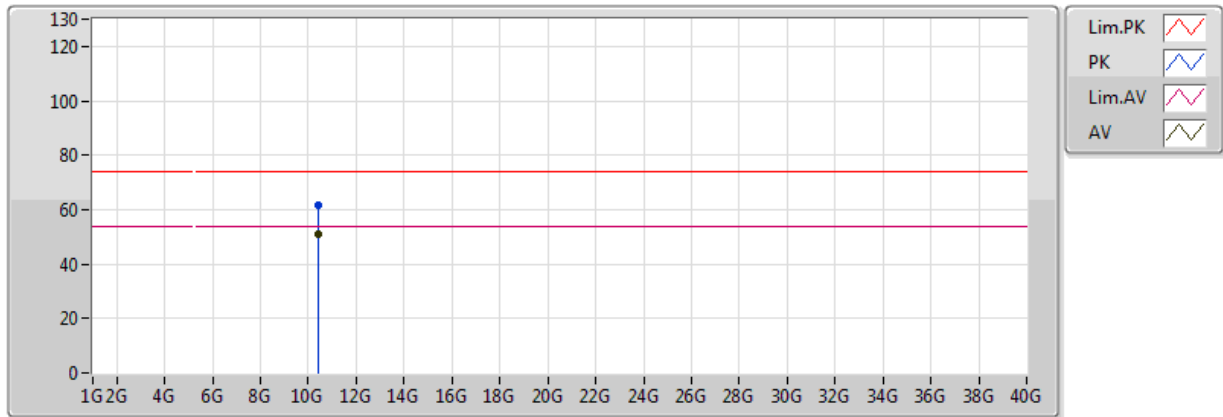


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.3987G	49.28	54.00	-4.72	12.06	3	Vertical	340	1.43	-
PK	10.3968G	59.41	74.00	-14.59	12.06	3	Vertical	340	1.43	-

802.11n HT20_Nss1,(MCS0)_1TX

5200MHz_TX

04/05/2018

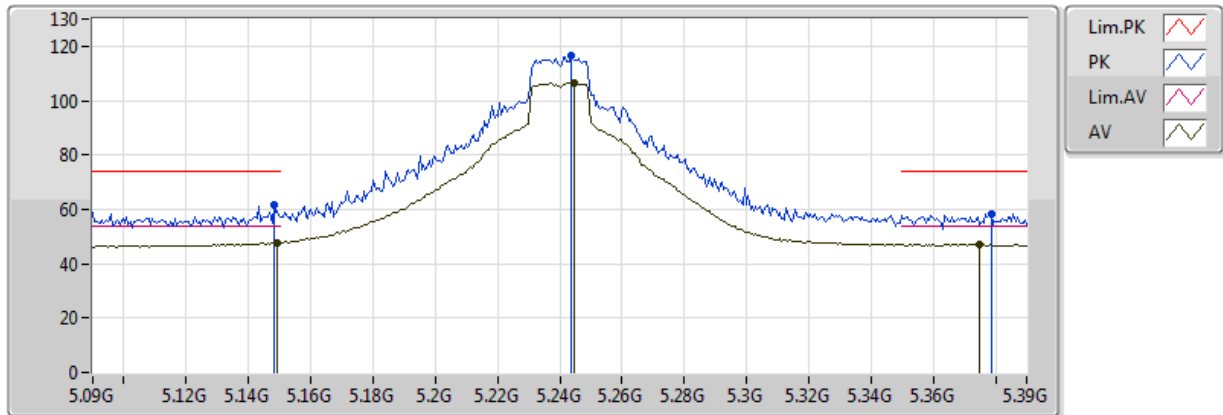


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.3989G	51.26	54.00	-2.74	12.06	3	Horizontal	42	1.52	-
PK	10.4026G	61.56	74.00	-12.44	12.07	3	Horizontal	42	1.52	-

802.11n HT20_Nss1,(MCS0)_1TX

5240MHz_TX

04/05/2018

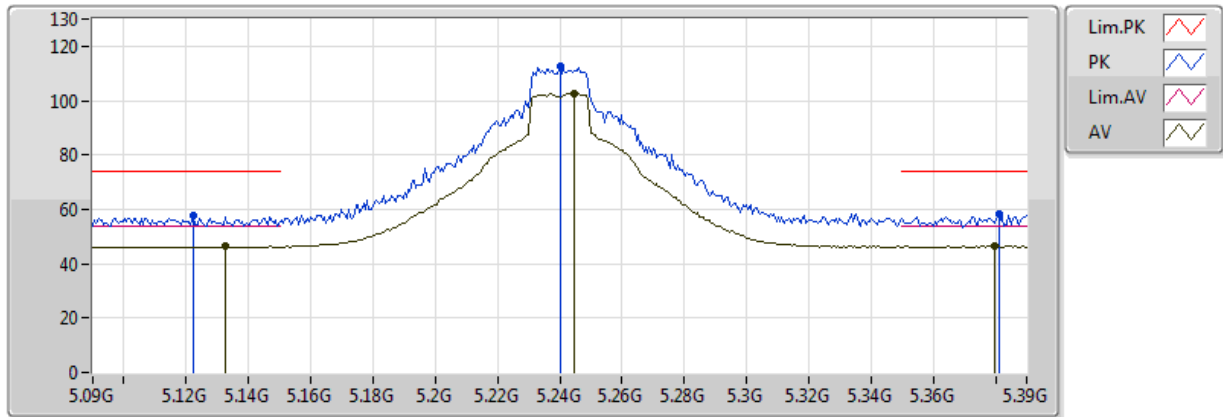


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1494G	47.77	54.00	-6.23	5.13	3	Vertical	178	1.50	-
AV	5.2448G	106.68	Inf	-Inf	5.24	3	Vertical	178	1.50	-
AV	5.375G	47.14	54.00	-6.86	5.38	3	Vertical	178	1.50	-
PK	5.1482G	61.56	74.00	-12.44	5.13	3	Vertical	178	1.50	-
PK	5.2436G	116.61	Inf	-Inf	5.24	3	Vertical	178	1.50	-
PK	5.3786G	58.51	74.00	-15.49	5.39	3	Vertical	178	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

5240MHz_TX

04/05/2018

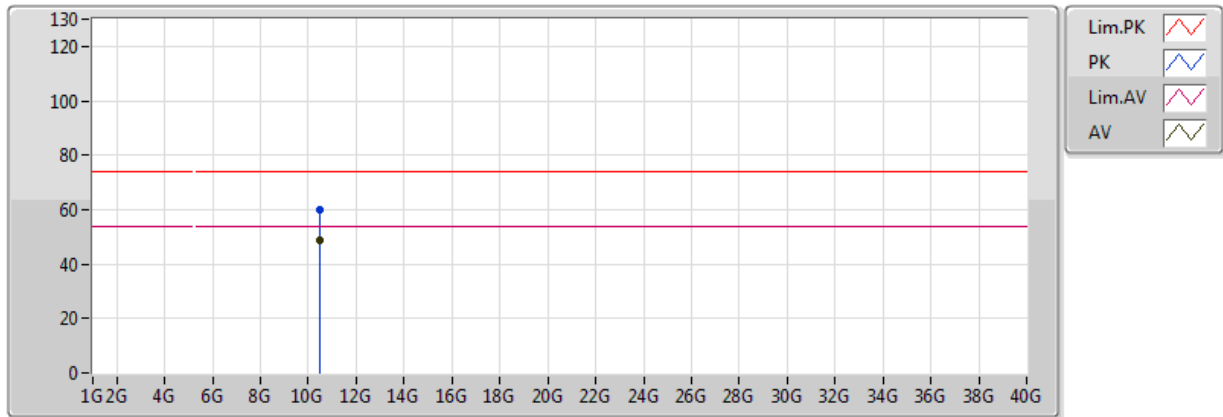


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1326G	46.31	54.00	-7.69	5.11	3	Horizontal	189	1.69	-
AV	5.2448G	102.60	Inf	-Inf	5.24	3	Horizontal	189	1.69	-
AV	5.3798G	46.61	54.00	-7.39	5.39	3	Horizontal	189	1.69	-
PK	5.1224G	57.76	74.00	-16.24	5.11	3	Horizontal	189	1.69	-
PK	5.24G	112.56	Inf	-Inf	5.23	3	Horizontal	189	1.69	-
PK	5.381G	58.28	74.00	-15.72	5.39	3	Horizontal	189	1.69	-

802.11n HT20_Nss1,(MCS0)_1TX

5240MHz_TX

04/05/2018

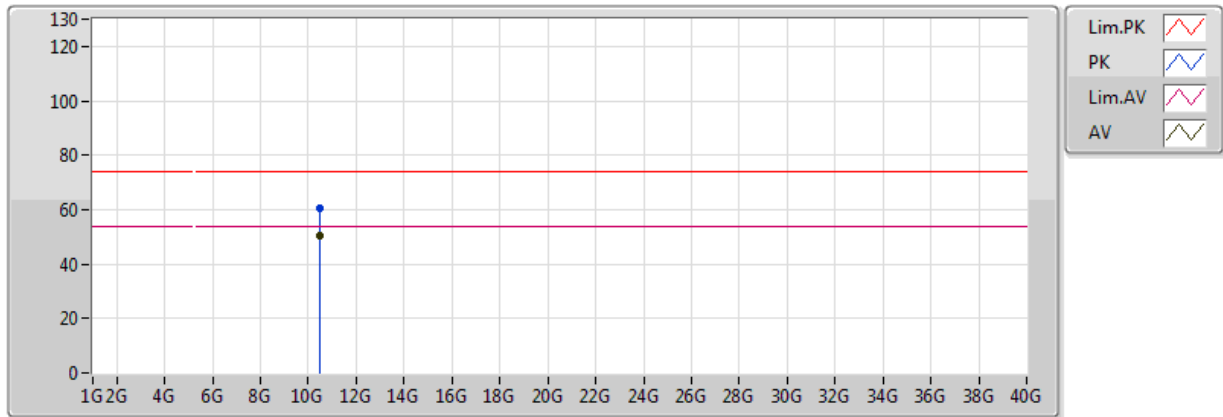


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.4797G	48.52	54.00	-5.48	12.17	3	Vertical	337	1.39	-
PK	10.4789G	59.85	74.00	-14.15	12.17	3	Vertical	337	1.39	-

802.11n HT20_Nss1,(MCS0)_1TX

5240MHz_TX

04/05/2018

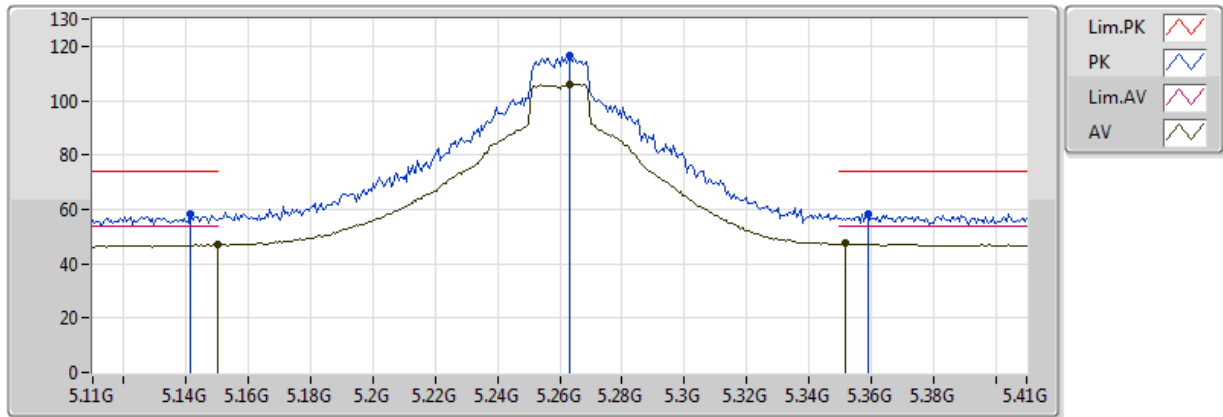


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.4799G	50.58	54.00	-3.42	12.17	3	Horizontal	40	1.47	-
PK	10.4826G	60.71	74.00	-13.29	12.18	3	Horizontal	40	1.47	-

802.11n HT20_Nss1,(MCS0)_1TX

5260MHz_TX

04/05/2018

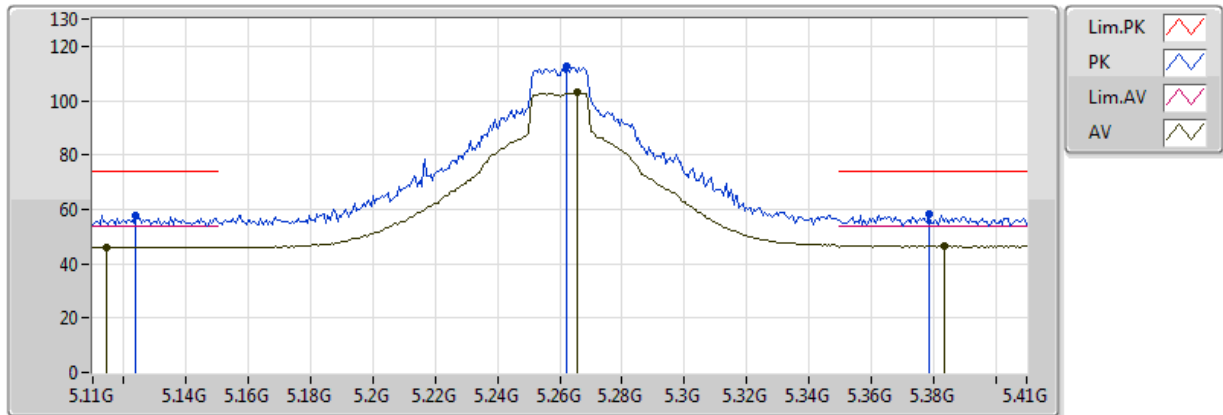


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.149995G	47.12	54.00	-6.88	5.13	3	Vertical	180	1.40	-
AV	5.263G	106.06	Inf	-Inf	5.26	3	Vertical	180	1.40	-
AV	5.3518G	47.51	54.00	-6.49	5.36	3	Vertical	180	1.40	-
PK	5.1412G	58.34	74.00	-15.66	5.13	3	Vertical	180	1.40	-
PK	5.263G	116.36	Inf	-Inf	5.26	3	Vertical	180	1.40	-
PK	5.359G	58.32	74.00	-15.68	5.36	3	Vertical	180	1.40	-

802.11n HT20_Nss1,(MCS0)_1TX

5260MHz_TX

04/05/2018

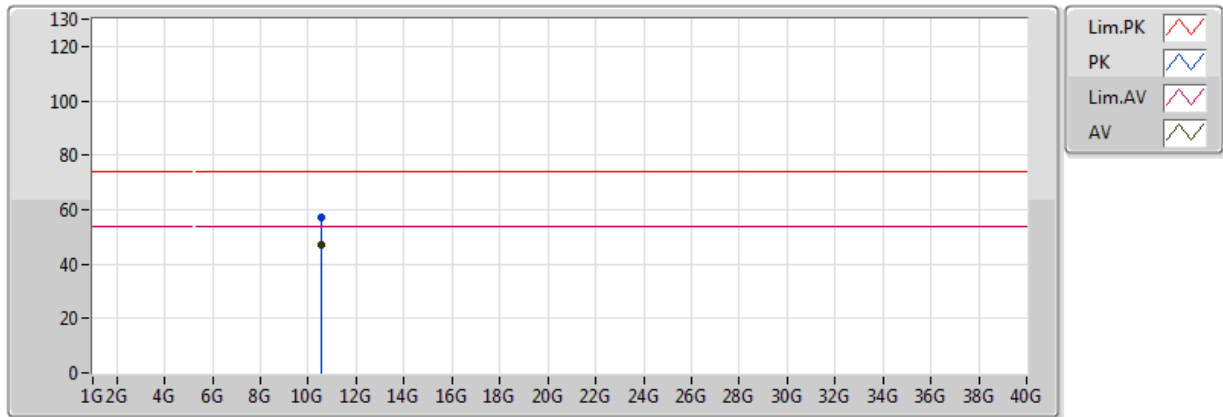


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.1142G	46.20	54.00	-7.80	5.10	3	Horizontal	189	1.68	-
AV	5.2654G	102.94	Inf	-Inf	5.26	3	Horizontal	189	1.68	-
AV	5.3836G	46.63	54.00	-7.37	5.39	3	Horizontal	189	1.68	-
PK	5.1238G	57.76	74.00	-16.24	5.11	3	Horizontal	189	1.68	-
PK	5.2624G	112.35	Inf	-Inf	5.26	3	Horizontal	189	1.68	-
PK	5.3788G	58.46	74.00	-15.54	5.39	3	Horizontal	189	1.68	-

802.11n HT20_Nss1,(MCS0)_1TX

5260MHz_TX

04/05/2018

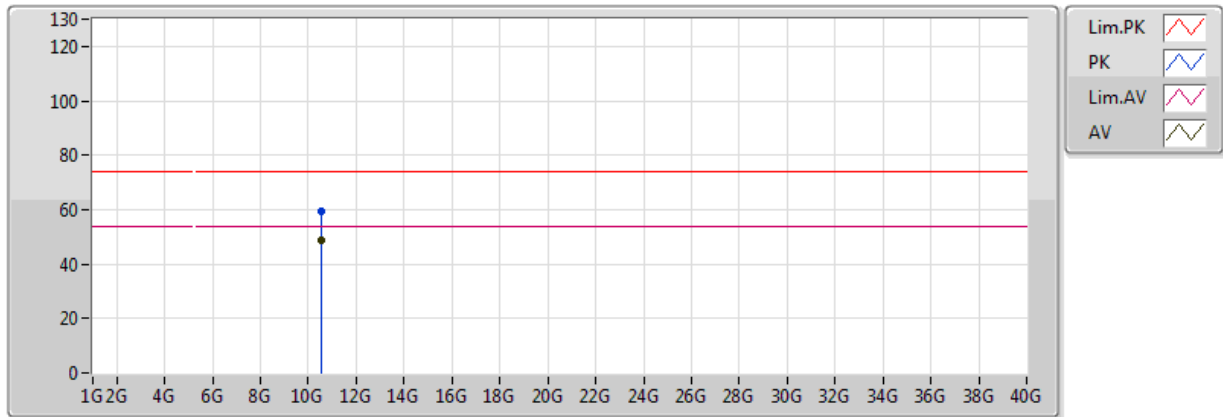


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.5187G	47.01	54.00	-6.99	12.22	3	Vertical	336	1.42	-
PK	10.5221G	57.36	74.00	-16.64	12.22	3	Vertical	336	1.42	-

802.11n HT20_Nss1,(MCS0)_1TX

5260MHz_TX

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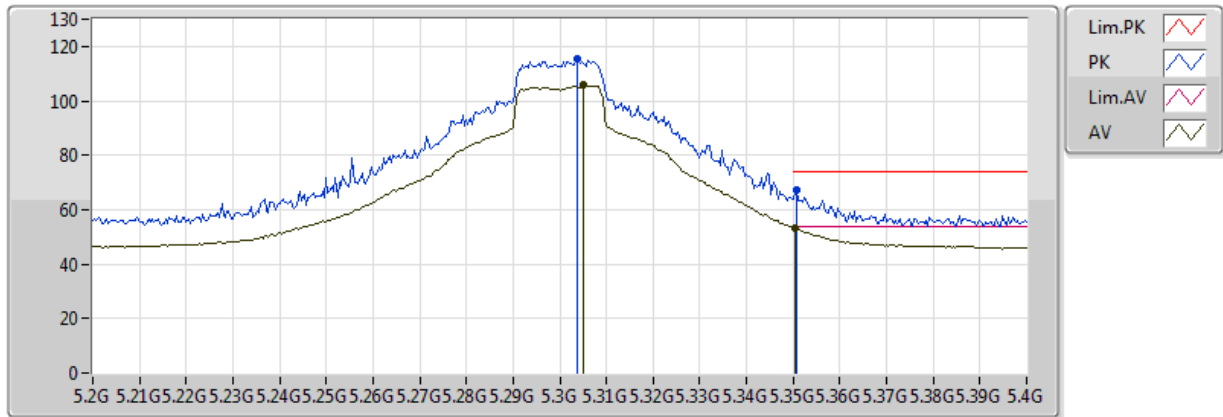


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.5188G	48.79	54.00	-5.21	12.22	3	Horizontal	38	1.83	-
PK	10.5188G	59.18	74.00	-14.82	12.22	3	Horizontal	38	1.83	-

802.11n HT20_Nss1,(MCS0)_1TX

5300MHz_TX

04/05/2018

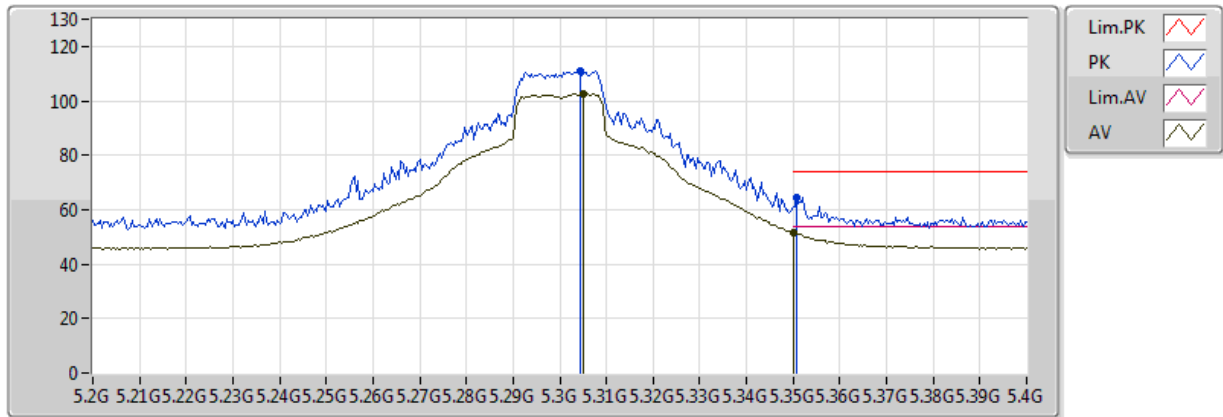


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3052G	105.63	Inf	-Inf	5.31	3	Vertical	176	1.47	-
AV	5.3504G	53.22	54.00	-0.78	5.36	3	Vertical	176	1.47	-
PK	5.3036G	115.48	Inf	-Inf	5.30	3	Vertical	176	1.47	-
PK	5.3508G	67.06	74.00	-6.94	5.36	3	Vertical	176	1.47	-

802.11n HT20_Nss1,(MCS0)_1TX

5300MHz_TX

04/05/2018

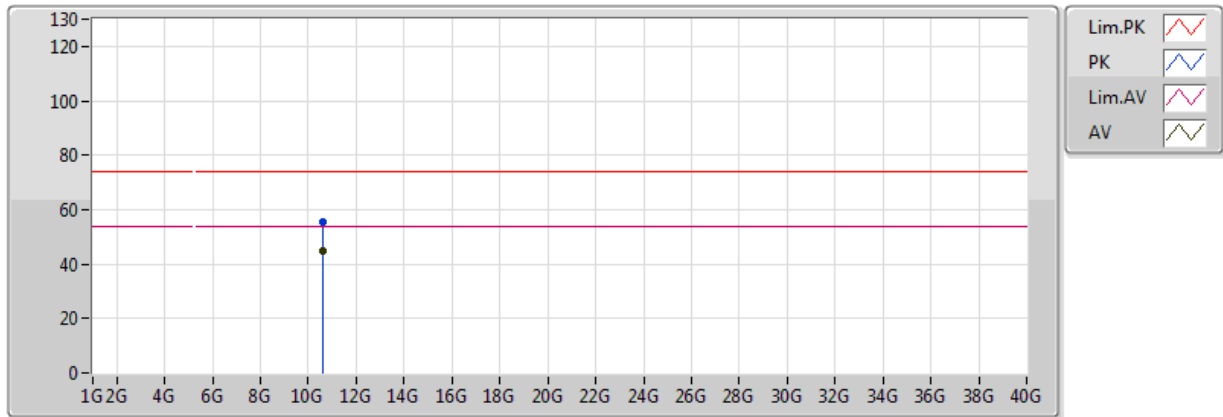


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3052G	102.56	Inf	-Inf	5.31	3	Horizontal	157	1.22	-
AV	5.350005G	51.55	54.00	-2.45	5.36	3	Horizontal	157	1.22	-
PK	5.3044G	110.75	Inf	-Inf	5.30	3	Horizontal	157	1.22	-
PK	5.3508G	64.50	74.00	-9.50	5.36	3	Horizontal	157	1.22	-

802.11n HT20_Nss1,(MCS0)_1TX

5300MHz_TX

04/05/2018

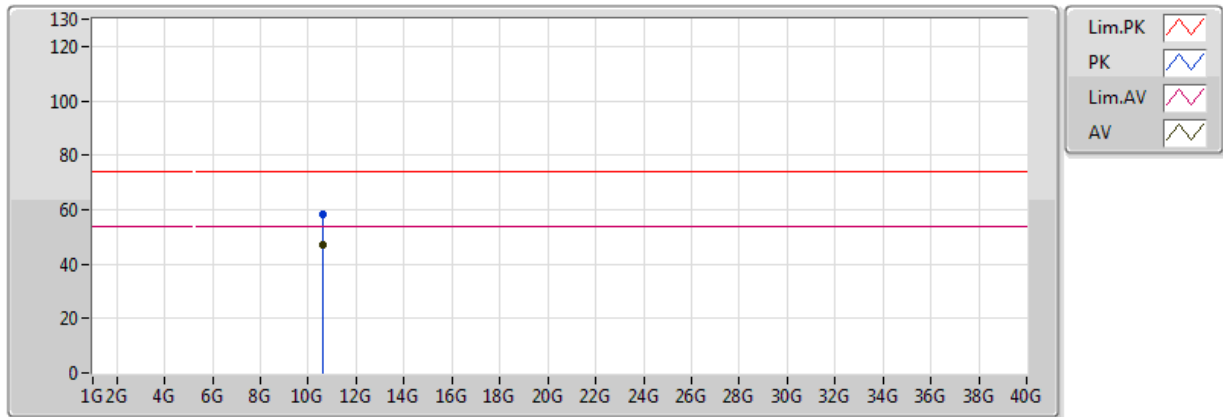


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5998G	44.78	54.00	-9.22	12.31	3	Vertical	334	1.39	-
PK	10.6007G	55.67	74.00	-18.33	12.31	3	Vertical	334	1.39	-

802.11n HT20_Nss1,(MCS0)_1TX

5300MHz_TX

04/05/2018

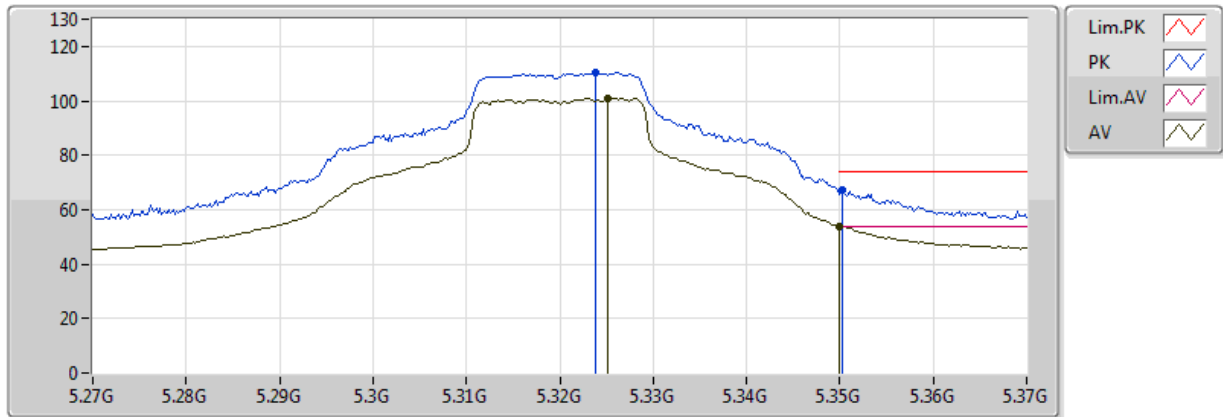


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.5989G	46.98	54.00	-7.02	12.31	3	Horizontal	36	2.17	-
PK	10.5991G	58.15	74.00	-15.85	12.31	3	Horizontal	36	2.17	-

802.11n HT20_Nss1,(MCS0)_1TX

5320MHz_TX

04/05/2018

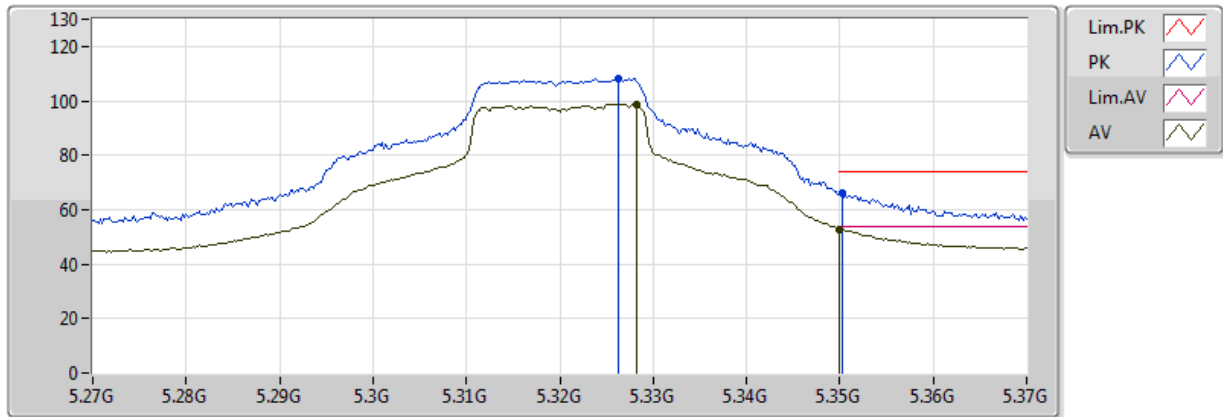


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3252G	100.92	Inf	-Inf	5.33	3	Vertical	185	1.59	-
AV	5.350005G	53.78	54.00	-0.22	5.36	3	Vertical	185	1.59	-
PK	5.3238G	110.37	Inf	-Inf	5.33	3	Vertical	185	1.59	-
PK	5.3502G	67.38	74.00	-6.62	5.36	3	Vertical	185	1.59	-

802.11n HT20_Nss1,(MCS0)_1TX

5320MHz_TX

04/05/2018

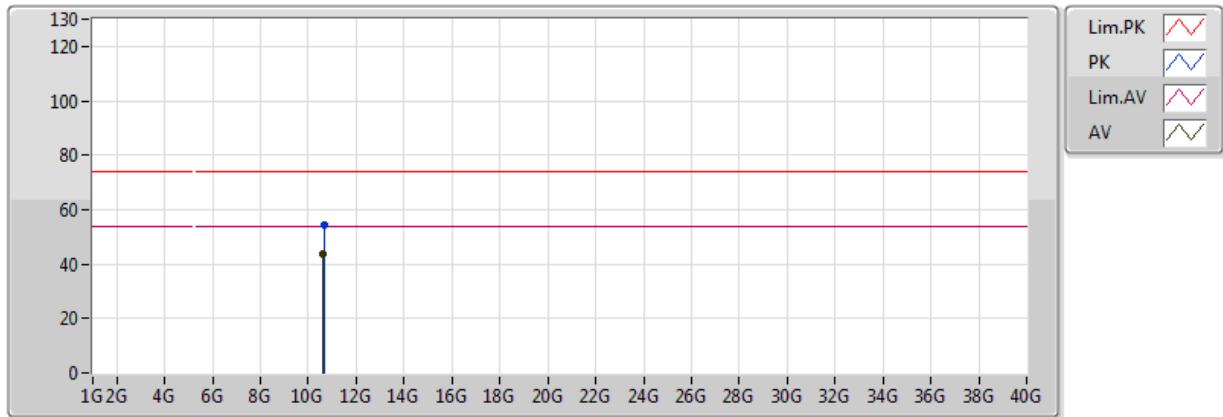


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.3282G	98.81	Inf	-Inf	5.33	3	Horizontal	185	1.59	-
AV	5.350005G	52.84	54.00	-1.16	5.36	3	Horizontal	185	1.59	-
PK	5.3262G	107.98	Inf	-Inf	5.33	3	Horizontal	185	1.59	-
PK	5.3502G	65.91	74.00	-8.09	5.36	3	Horizontal	185	1.59	-

802.11n HT20_Nss1,(MCS0)_1TX

5320MHz_TX

04/05/2018

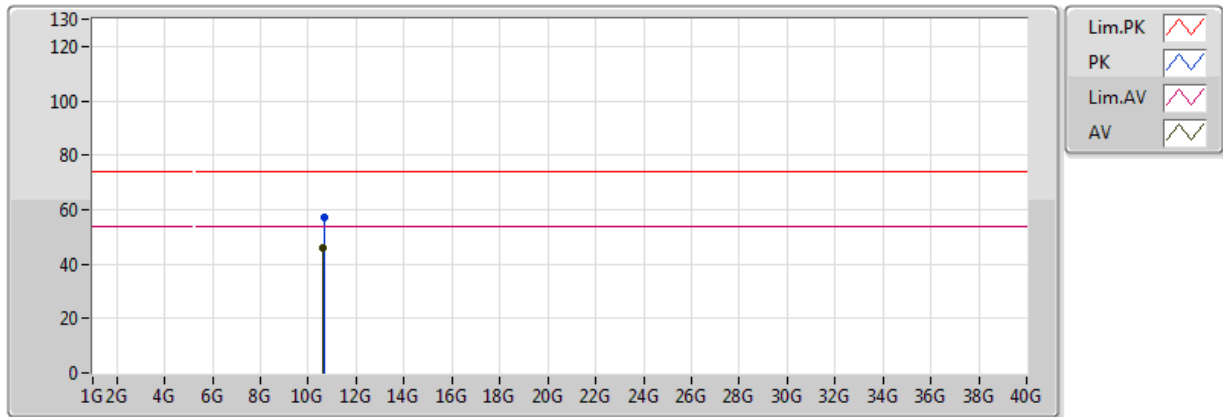


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.6355G	43.69	54.00	-10.31	12.35	3	Vertical	335	1.58	-
PK	10.6421G	54.29	74.00	-19.71	12.36	3	Vertical	335	1.58	-

802.11n HT20_Nss1,(MCS0)_1TX

5320MHz_TX

04/05/2018

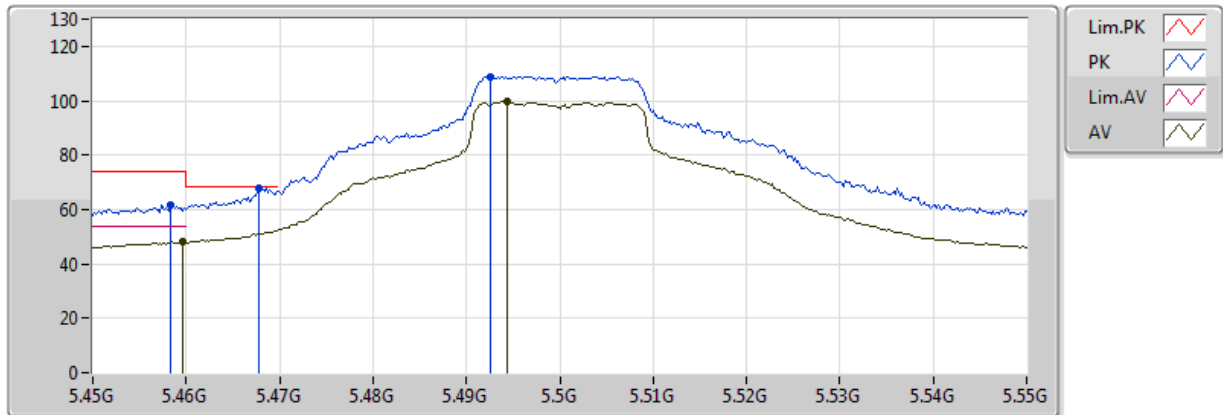


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	10.6366G	45.87	54.00	-8.13	12.35	3	Horizontal	28	1.72	-
PK	10.6426G	56.91	74.00	-17.09	12.36	3	Horizontal	28	1.72	-

802.11n HT20_Nss1,(MCS0)_1TX

5500MHz_TX

04/05/2018

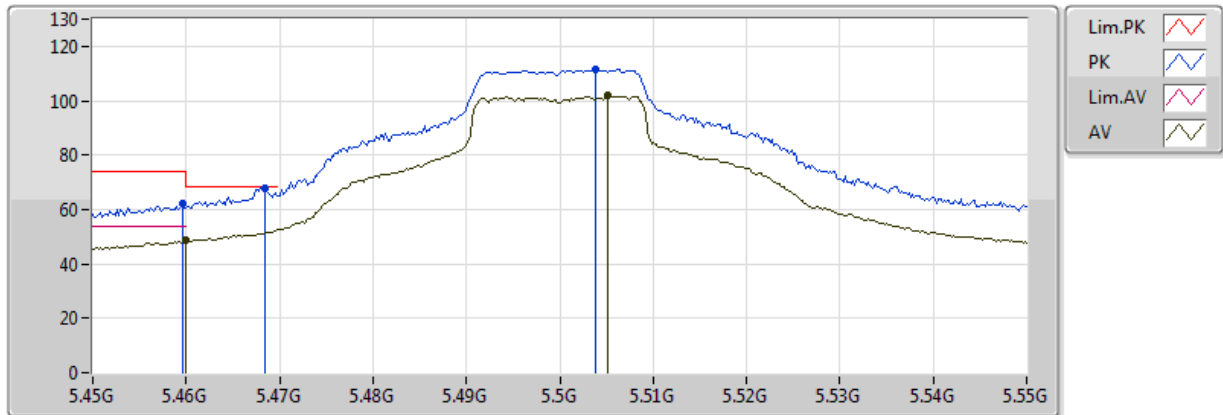


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.4596G	48.01	54.00	-5.99	5.47	3	Vertical	172	1.49	-
AV	5.4944G	99.69	Inf	-Inf	5.51	3	Vertical	172	1.49	-
PK	5.4584G	61.64	74.00	-12.36	5.47	3	Vertical	172	1.49	-
PK	5.4678G	67.64	68.20	-0.56	5.49	3	Vertical	172	1.49	-
PK	5.4926G	108.84	Inf	-Inf	5.51	3	Vertical	172	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

5500MHz_TX

04/05/2018

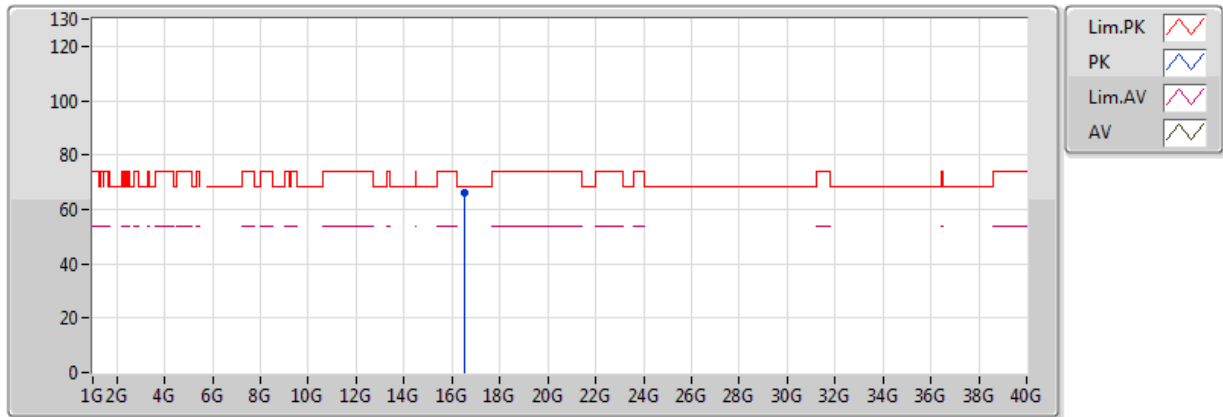


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.459995G	48.51	54.00	-5.49	5.47	3	Horizontal	172	1.06	-
AV	5.5052G	101.71	Inf	-Inf	5.53	3	Horizontal	172	1.06	-
PK	5.4596G	61.98	74.00	-12.02	5.47	3	Horizontal	172	1.06	-
PK	5.4684G	68.01	68.20	-0.19	5.49	3	Horizontal	172	1.06	-
PK	5.5038G	111.44	Inf	-Inf	5.53	3	Horizontal	172	1.06	-

802.11n HT20_Nss1,(MCS0)_1TX

5500MHz_TX

04/05/2018

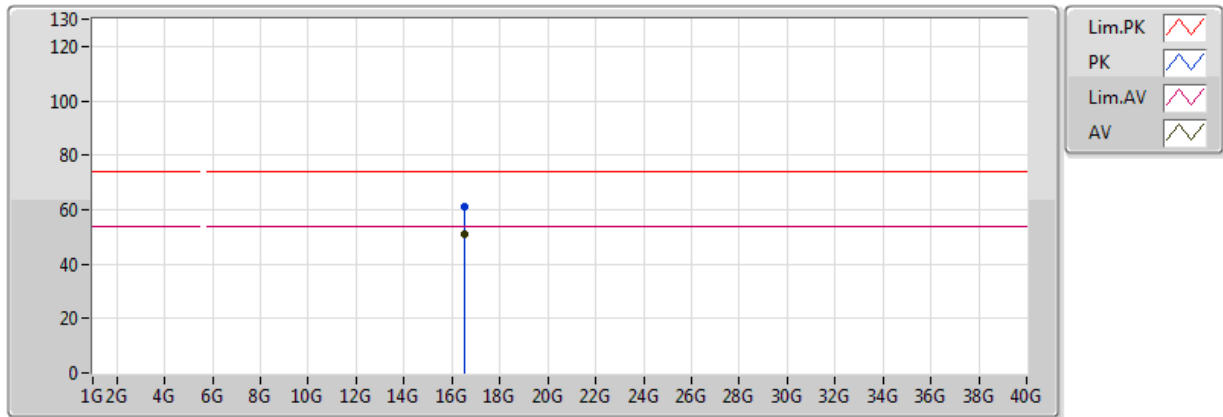


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	16.498G	66.03	68.20	-2.17	17.94	3	Vertical	350	1.44	-

802.11n HT20_Nss1,(MCS0)_1TX

5500MHz_TX

04/05/2018

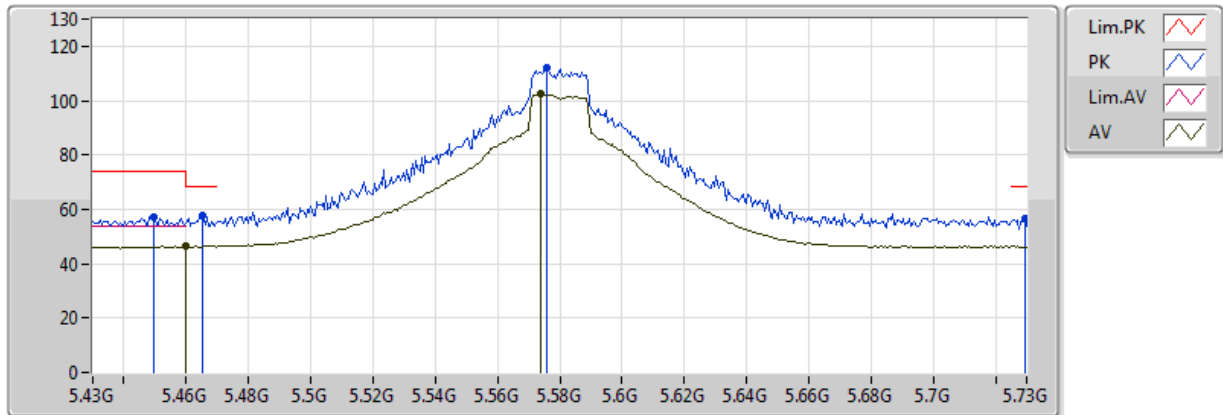


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	16.5028G	50.76	54.00	-3.24	17.47	3	Horizontal	29	1.57	-
PK	16.4963G	60.94	74.00	-13.06	17.93	3	Horizontal	29	1.57	-

802.11n HT20_Nss1,(MCS0)_1TX

5580MHz_TX

04/05/2018

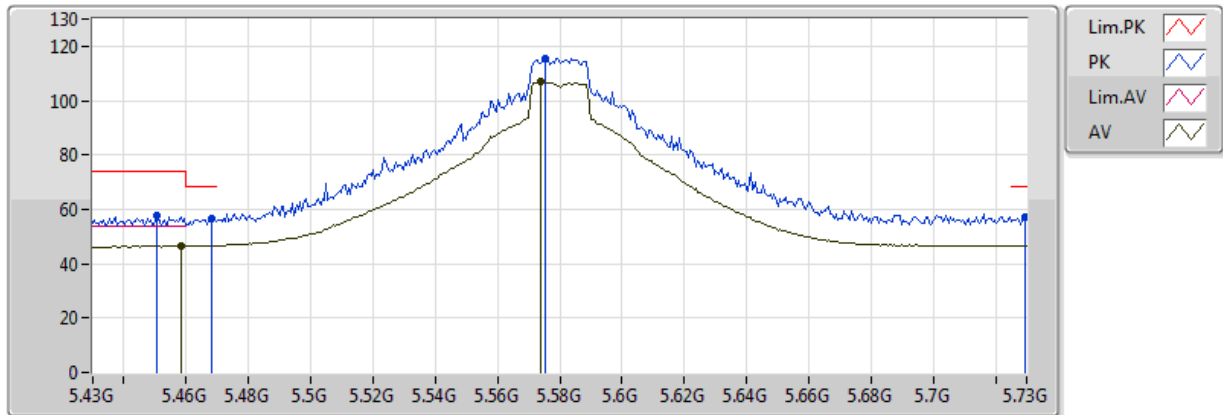


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.459995G	46.37	54.00	-7.63	5.47	3	Vertical	173	1.01	-
AV	5.574G	102.33	Inf	-Inf	5.63	3	Vertical	173	1.01	-
PK	5.4498G	57.39	74.00	-16.61	5.46	3	Vertical	173	1.01	-
PK	5.4654G	57.51	68.20	-10.69	5.49	3	Vertical	173	1.01	-
PK	5.5758G	112.15	Inf	-Inf	5.63	3	Vertical	173	1.01	-
PK	5.7294G	56.48	68.20	-11.72	5.85	3	Vertical	173	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

5580MHz_TX

04/05/2018

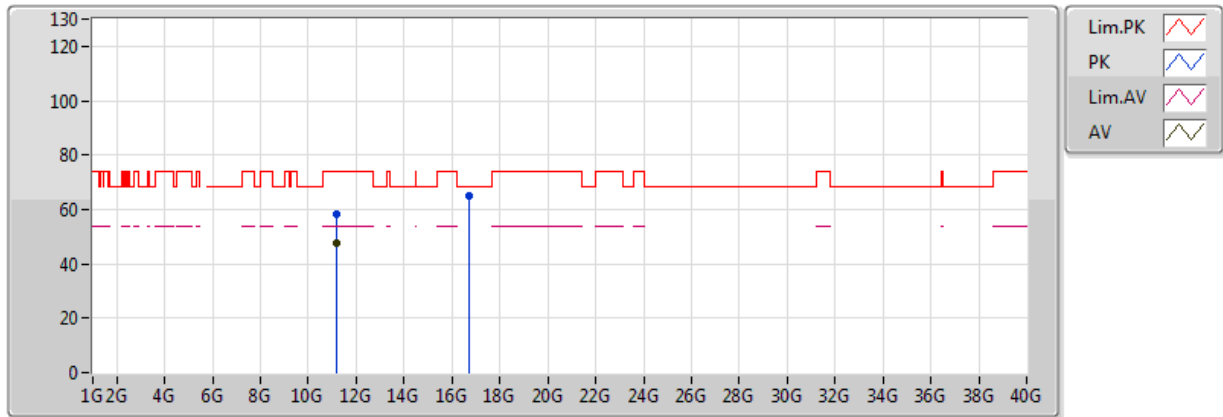


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.4582G	46.60	54.00	-7.40	5.47	3	Horizontal	172	1.32	-
AV	5.574G	106.88	Inf	-Inf	5.63	3	Horizontal	172	1.32	-
PK	5.4504G	57.47	74.00	-16.53	5.47	3	Horizontal	172	1.32	-
PK	5.4684G	56.86	68.20	-11.34	5.49	3	Horizontal	172	1.32	-
PK	5.5752G	115.62	Inf	-Inf	5.63	3	Horizontal	172	1.32	-
PK	5.7294G	57.03	68.20	-11.17	5.85	3	Horizontal	172	1.32	-

802.11n HT20_Nss1,(MCS0)_1TX

5580MHz_TX

04/05/2018

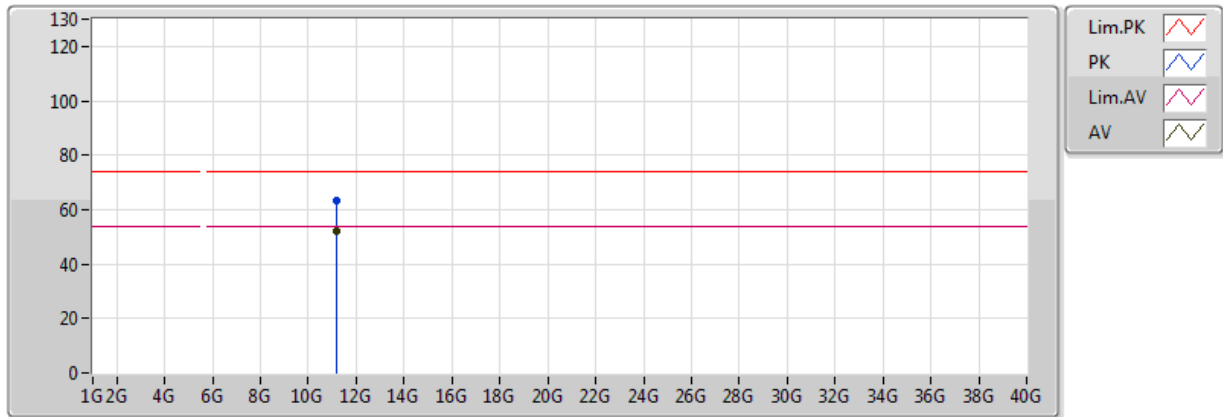


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.1586G	47.62	54.00	-6.38	13.16	3	Vertical	10	1.34	-
PK	11.1628G	58.24	74.00	-15.76	13.17	3	Vertical	10	1.34	-
PK	16.7298G	65.24	68.20	-2.96	17.95	3	Vertical	343	1.52	-

802.11n HT20_Nss1,(MCS0)_1TX

5580MHz_TX

04/05/2018

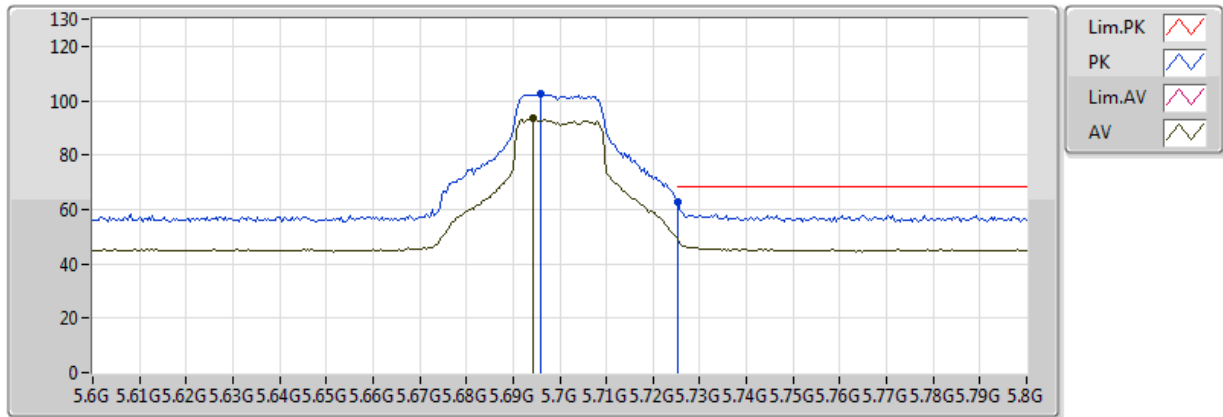


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.1628G	52.33	54.00	-1.67	13.17	3	Horizontal	48	1.52	-
PK	11.158G	63.37	74.00	-10.63	13.16	3	Horizontal	48	1.52	-

802.11n HT20_Nss1,(MCS0)_1TX

5700MHz_TX

04/05/2018

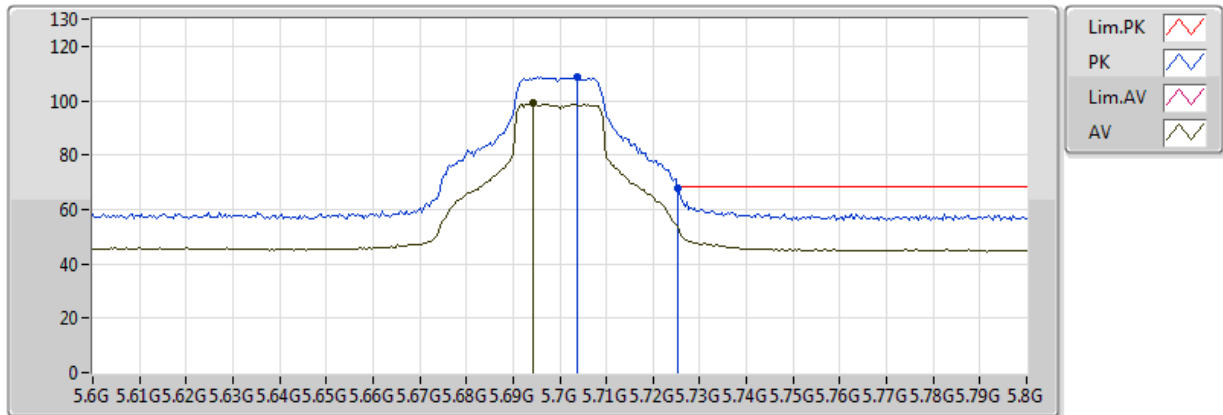


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.6944G	93.30	Inf	-Inf	5.80	3	Vertical	185	1.83	-
PK	5.696G	102.70	Inf	-Inf	5.80	3	Vertical	185	1.83	-
PK	5.7252G	62.56	68.20	-5.64	5.85	3	Vertical	185	1.83	-

802.11n HT20_Nss1,(MCS0)_1TX

5700MHz_TX

04/05/2018

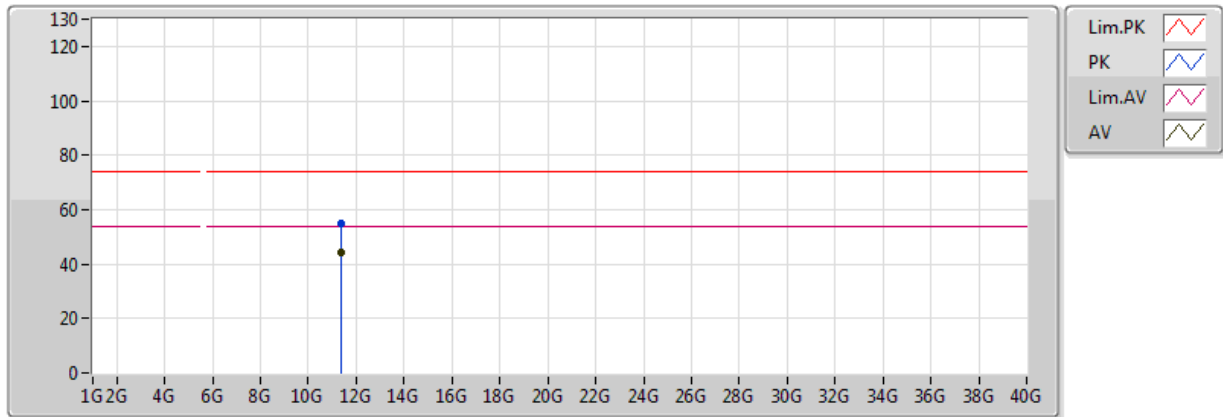


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.6944G	98.98	Inf	-Inf	5.80	3	Horizontal	171	2.08	-
PK	5.7036G	108.57	Inf	-Inf	5.81	3	Horizontal	171	2.08	-
PK	5.7252G	68.00	68.20	-0.20	5.85	3	Horizontal	171	2.08	-

802.11n HT20_Nss1,(MCS0)_1TX

5700MHz_TX

04/05/2018

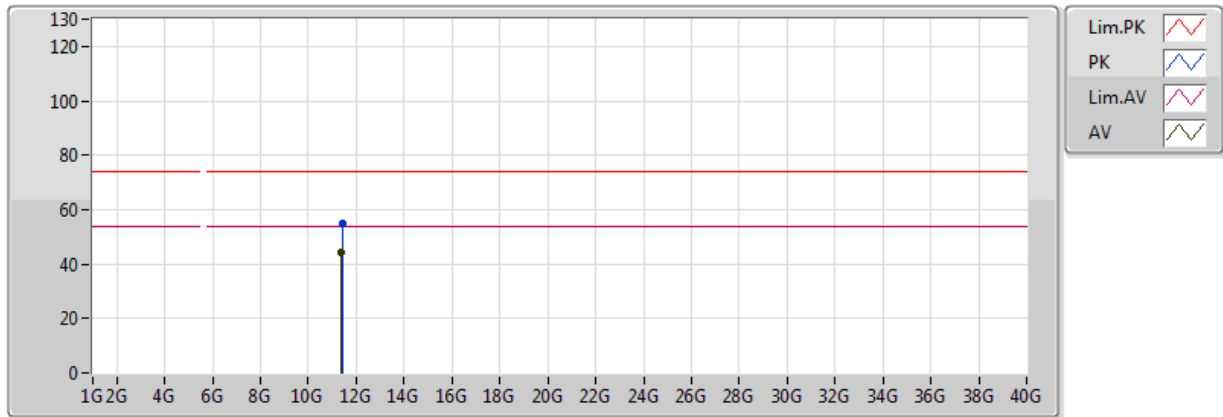


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.40108G	44.39	54.00	-9.61	13.79	3	Vertical	17	1.68	-
PK	11.39322G	54.99	74.00	-19.01	13.77	3	Vertical	17	1.68	-

802.11n HT20_Nss1,(MCS0)_1TX

5700MHz_TX

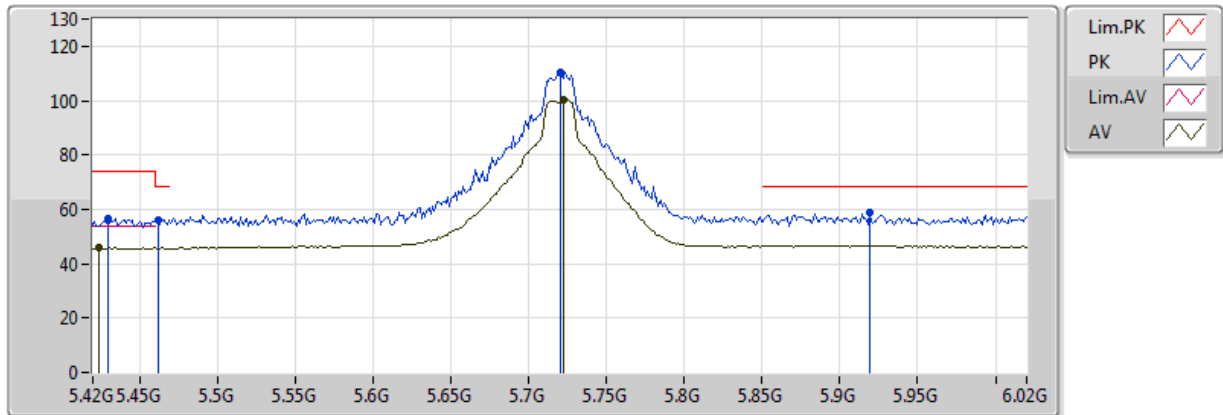
04/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.39664G	44.50	54.00	-9.50	13.78	3	Horizontal	5	1.25	-
PK	11.40504G	54.78	74.00	-19.22	13.80	3	Horizontal	5	1.25	-

802.11n HT20_Nss1,(MCS0)_1TX 5720MHz Straddle 5.47-5.725GHz_TX

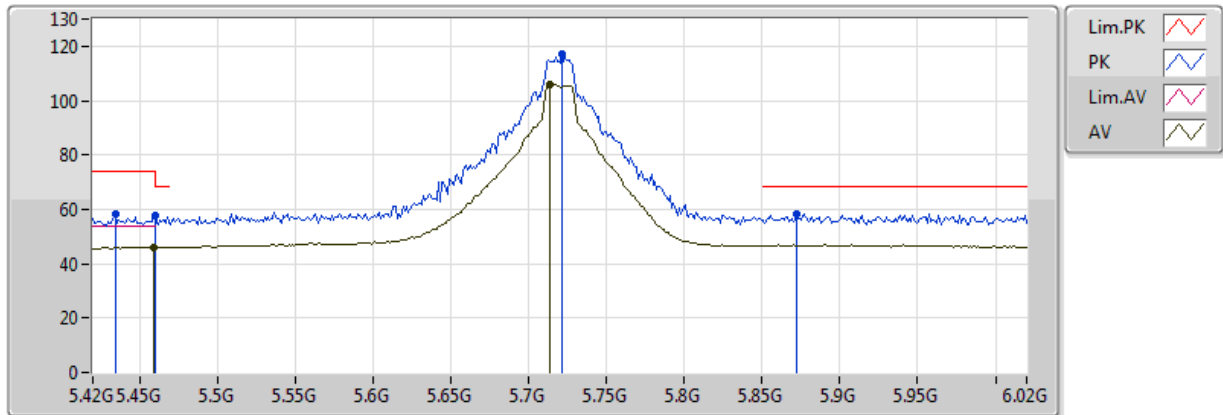
04/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.4236G	45.79	54.00	-8.21	5.44	3	Vertical	180	1.52	-
AV	5.7224G	100.15	Inf	-Inf	5.84	3	Vertical	180	1.52	-
PK	5.4296G	56.72	74.00	-17.28	5.44	3	Vertical	180	1.52	-
PK	5.462G	56.20	68.20	-12.00	5.47	3	Vertical	180	1.52	-
PK	5.72G	110.20	Inf	-Inf	5.84	3	Vertical	180	1.52	-
PK	5.9192G	58.96	68.20	-9.24	6.12	3	Vertical	180	1.52	-

802.11n HT20_Nss1,(MCS0)_1TX 5720MHz Straddle 5.47-5.725GHz_TX

04/05/2018

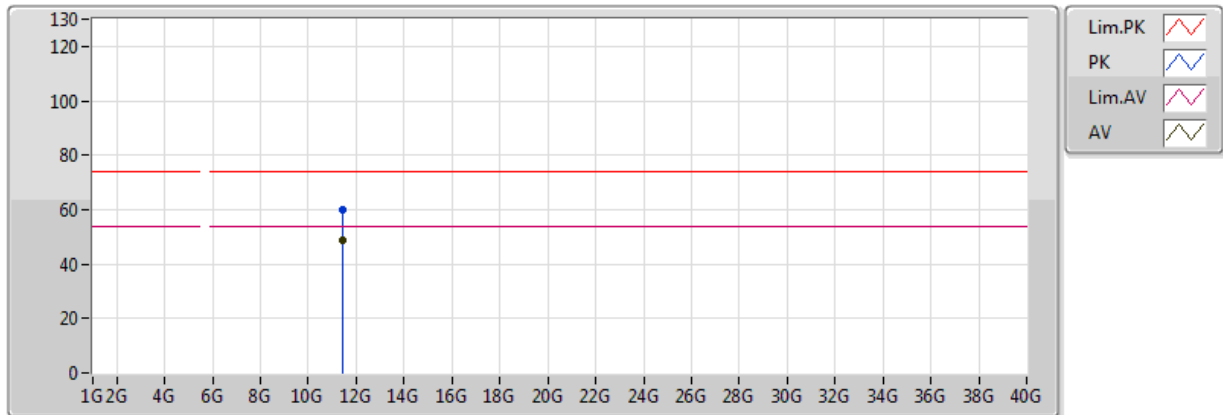


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.4596G	46.19	54.00	-7.81	5.47	3	Horizontal	167	1.22	-
AV	5.714G	106.12	Inf	-Inf	5.83	3	Horizontal	167	1.22	-
PK	5.4344G	58.10	74.00	-15.90	5.44	3	Horizontal	167	1.22	-
PK	5.460005G	57.64	68.20	-10.56	5.47	3	Horizontal	167	1.22	-
PK	5.7212G	116.85	Inf	-Inf	5.84	3	Horizontal	167	1.22	-
PK	5.8724G	58.46	68.20	-9.74	6.05	3	Horizontal	167	1.22	-

802.11n HT20_Nss1,(MCS0)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

04/05/2018

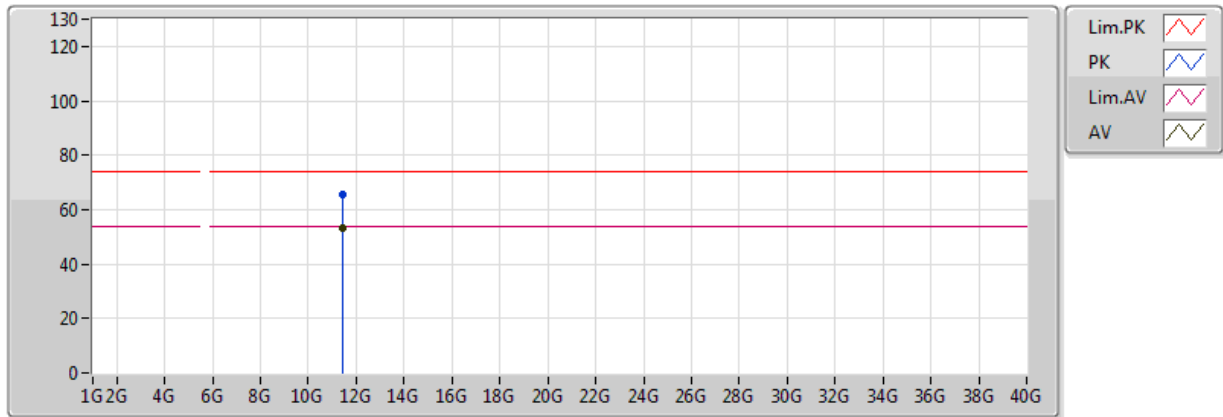


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.4386G	48.89	54.00	-5.11	13.89	3	Vertical	13	1.50	-
PK	11.4388G	60.12	74.00	-13.88	13.89	3	Vertical	13	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

04/05/2018

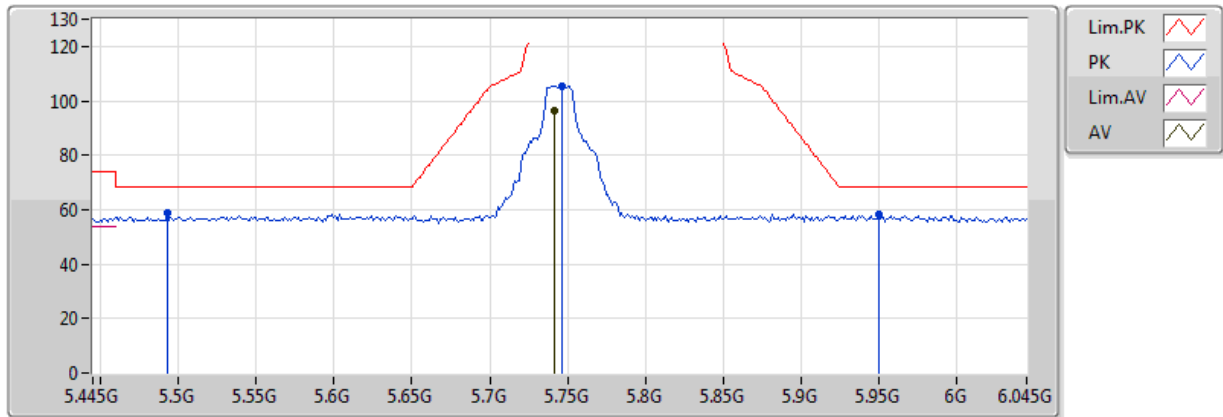


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.4388G	53.32	54.00	-0.68	13.89	3	Horizontal	43	1.52	-
PK	11.4378G	65.50	74.00	-8.50	13.88	3	Horizontal	43	1.52	-

802.11n HT20_Nss1,(MCS0)_1TX

5745MHz_TX

04/05/2018

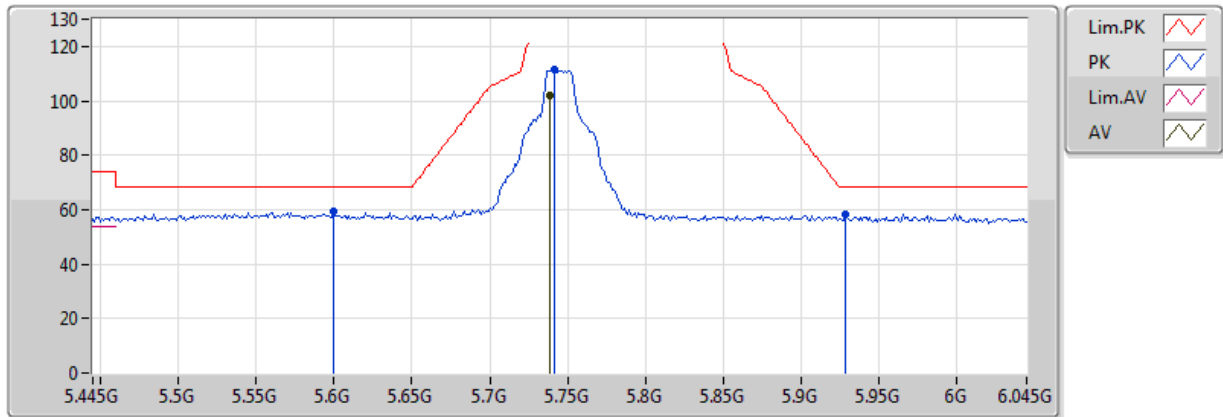


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.7414G	96.21	Inf	-Inf	5.87	3	Vertical	176	1.57	-
PK	5.493G	59.08	68.20	-9.12	5.52	3	Vertical	176	1.57	-
PK	5.7462G	105.58	Inf	-Inf	5.87	3	Vertical	176	1.57	-
PK	5.9502G	58.02	68.20	-10.18	6.17	3	Vertical	176	1.57	-

802.11n HT20_Nss1,(MCS0)_1TX

5745MHz_TX

04/05/2018

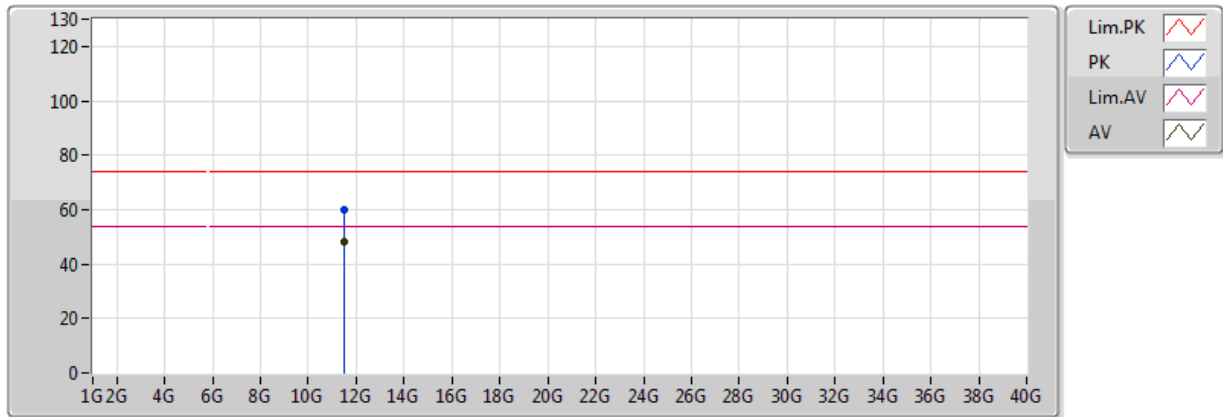


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.739G	102.20	Inf	-Inf	5.86	3	Horizontal	174	1.49	-
PK	5.5998G	59.23	68.20	-8.97	5.66	3	Horizontal	174	1.49	-
PK	5.7414G	111.24	Inf	-Inf	5.87	3	Horizontal	174	1.49	-
PK	5.9286G	58.20	68.20	-10.00	6.14	3	Horizontal	174	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

5745MHz_TX

04/05/2018

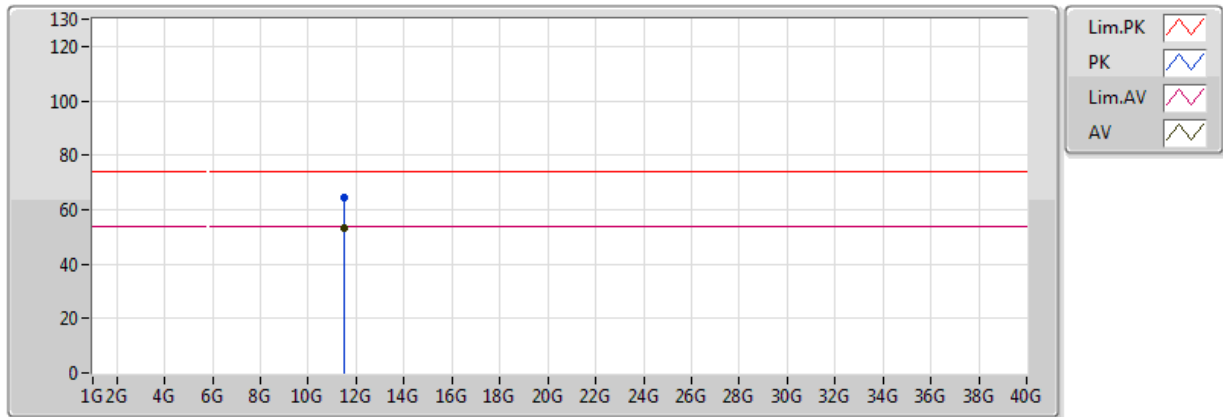


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.4896G	48.38	54.00	-5.62	14.02	3	Vertical	21	1.59	-
PK	11.488G	59.90	74.00	-14.10	14.01	3	Vertical	21	1.59	-

802.11n HT20_Nss1,(MCS0)_1TX

5745MHz_TX

04/05/2018

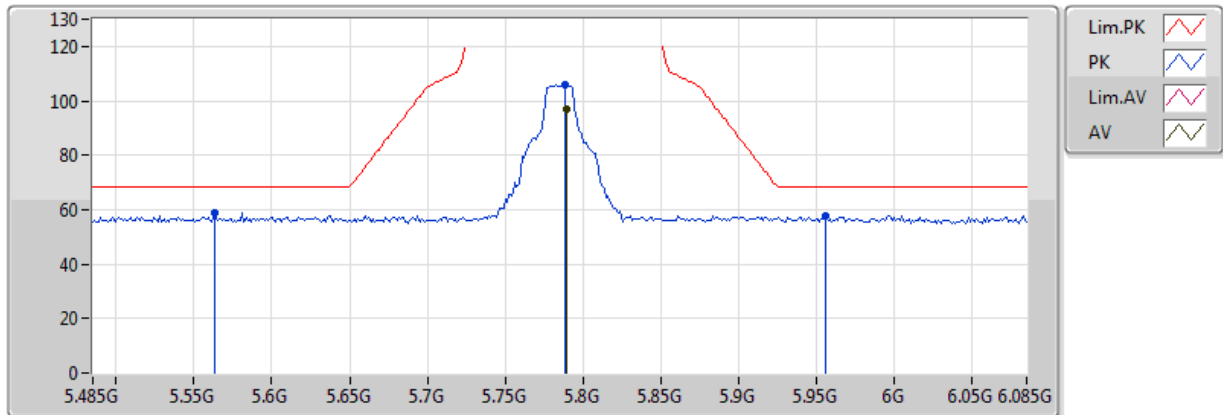


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.4884G	53.32	54.00	-0.68	14.01	3	Horizontal	49	1.59	-
PK	11.4924G	64.70	74.00	-9.30	14.03	3	Horizontal	49	1.59	-

802.11n HT20_Nss1,(MCS0)_1TX

5785MHz_TX

04/05/2018

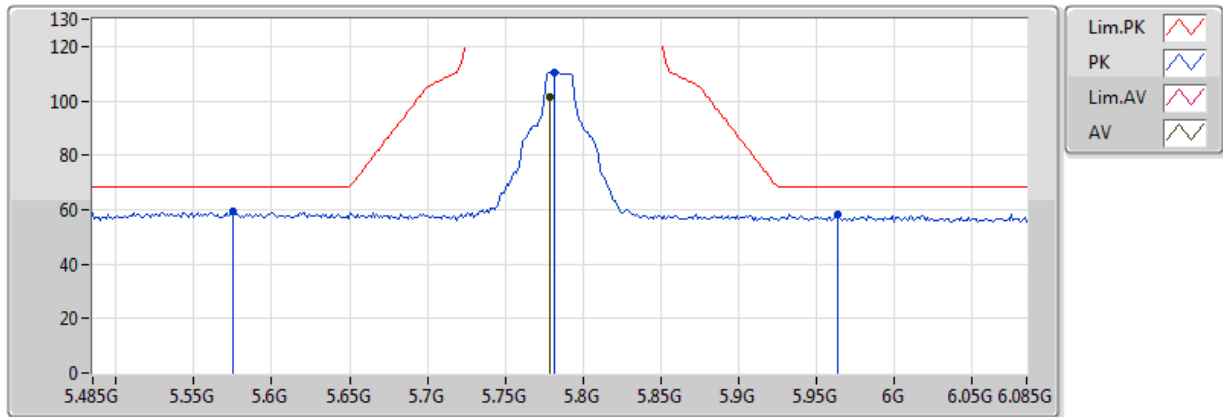


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.7898G	96.74	Inf	-Inf	5.94	3	Vertical	169	1.75	-
PK	5.563G	58.93	68.20	-9.27	5.60	3	Vertical	169	1.75	-
PK	5.7886G	105.83	Inf	-Inf	5.94	3	Vertical	169	1.75	-
PK	5.9554G	57.50	68.20	-10.70	6.18	3	Vertical	169	1.75	-

802.11n HT20_Nss1,(MCS0)_1TX

5785MHz_TX

04/05/2018

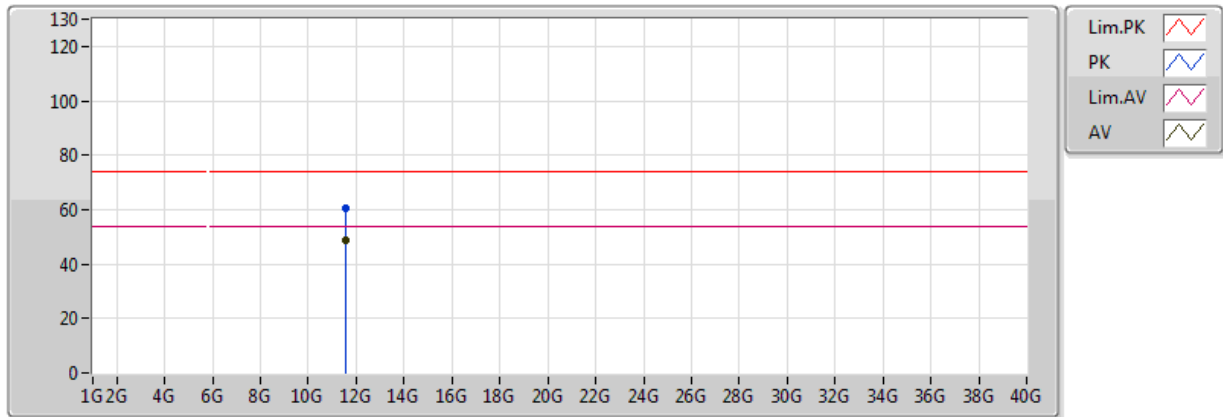


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.779G	101.52	Inf	-Inf	5.92	3	Horizontal	175	1.44	-
PK	5.575G	59.17	68.20	-9.03	5.62	3	Horizontal	175	1.44	-
PK	5.7814G	110.49	Inf	-Inf	5.93	3	Horizontal	175	1.44	-
PK	5.9638G	58.50	68.20	-9.70	6.18	3	Horizontal	175	1.44	-

802.11n HT20_Nss1,(MCS0)_1TX

5785MHz_TX

04/05/2018

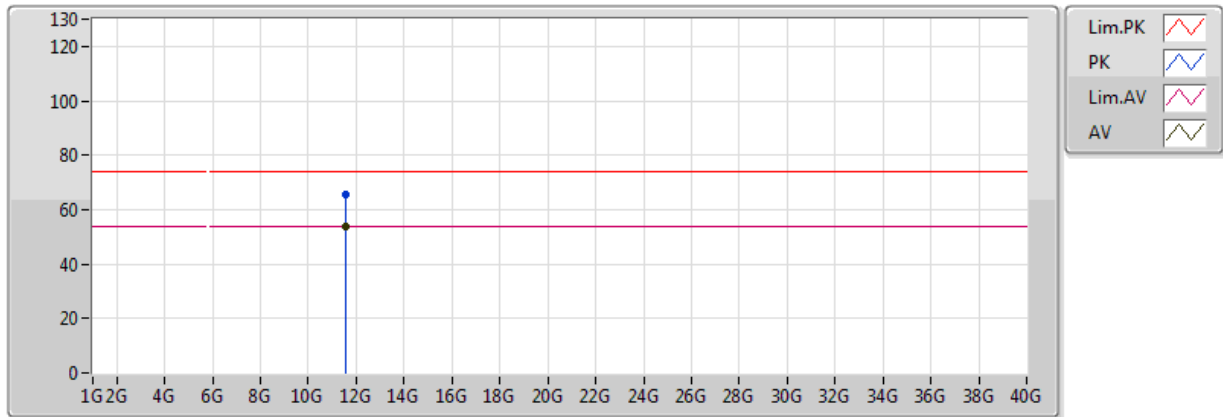


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.5712G	48.90	54.00	-5.10	14.21	3	Vertical	22	1.49	-
PK	11.5678G	60.54	74.00	-13.46	14.20	3	Vertical	22	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

5785MHz_TX

04/05/2018

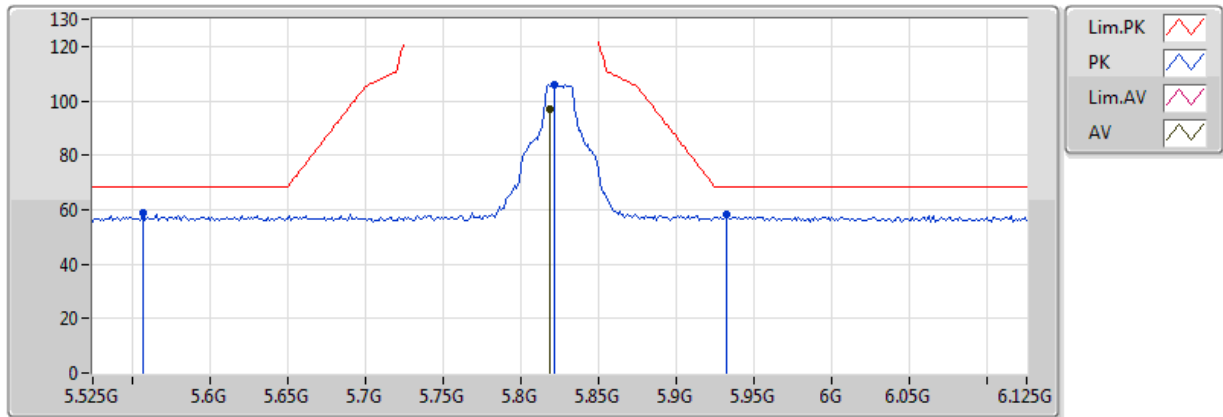


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.5698G	53.78	54.00	-0.22	14.20	3	Horizontal	54	2.19	-
PK	11.5676G	65.60	74.00	-8.40	14.20	3	Horizontal	54	2.19	-

802.11n HT20_Nss1,(MCS0)_1TX

5825MHz_TX

04/05/2018

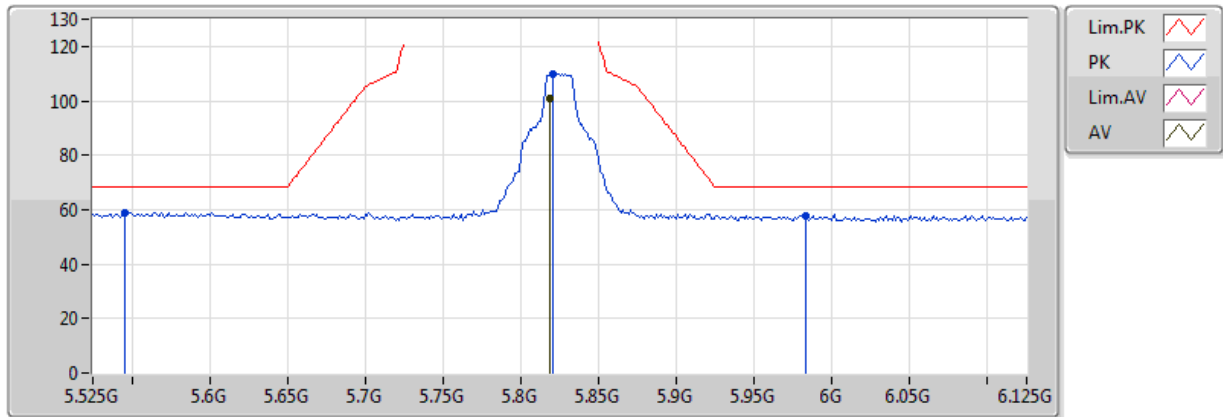


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.819G	96.86	Inf	-Inf	5.98	3	Vertical	169	1.73	-
PK	5.5574G	58.82	68.20	-9.38	5.61	3	Vertical	169	1.73	-
PK	5.8214G	106.01	Inf	-Inf	5.98	3	Vertical	169	1.73	-
PK	5.9318G	58.33	68.20	-9.87	6.14	3	Vertical	169	1.73	-

802.11n HT20_Nss1,(MCS0)_1TX

5825MHz_TX

04/05/2018

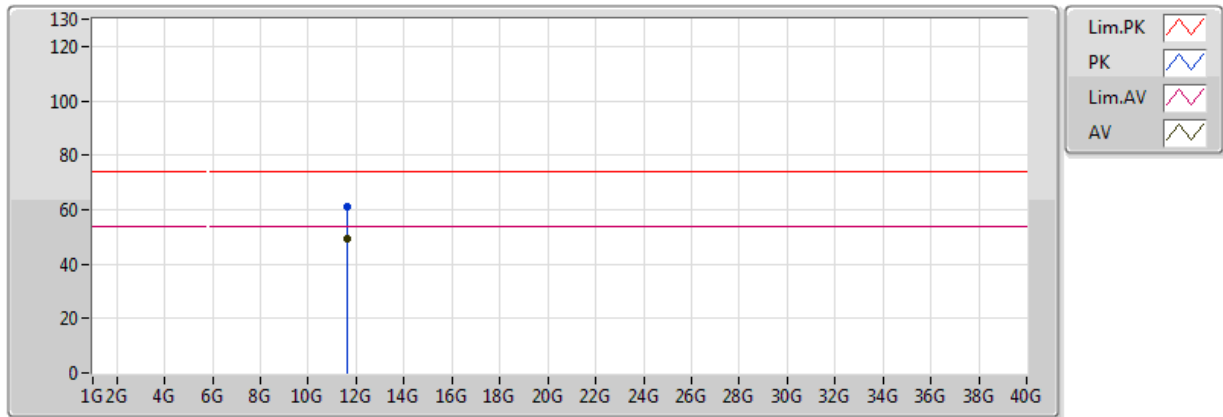


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.819G	100.64	Inf	-Inf	5.98	3	Horizontal	176	1.47	-
PK	5.5454G	58.94	68.20	-9.26	5.59	3	Horizontal	176	1.47	-
PK	5.8202G	109.96	Inf	-Inf	5.98	3	Horizontal	176	1.47	-
PK	5.9834G	57.95	68.20	-10.25	6.21	3	Horizontal	176	1.47	-

802.11n HT20_Nss1,(MCS0)_1TX

5825MHz_TX

04/05/2018

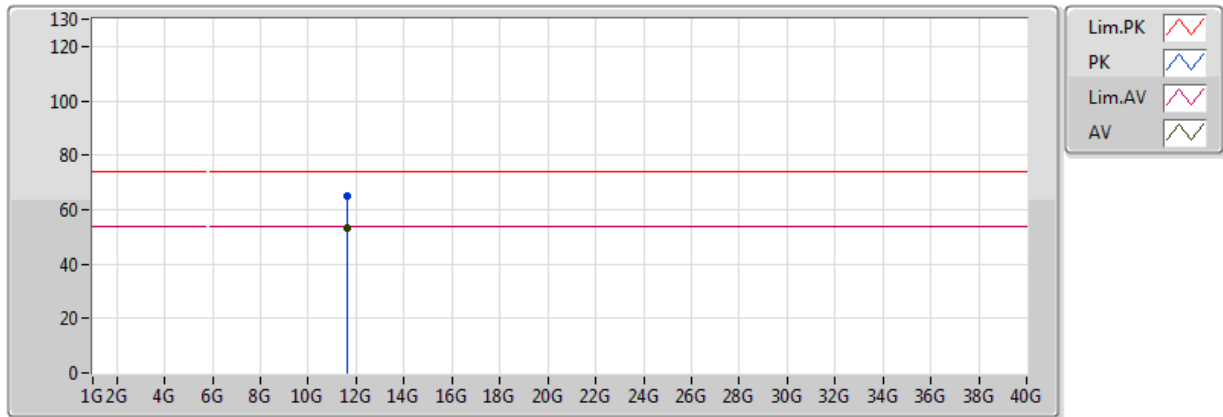


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.6498G	49.56	54.00	-4.44	14.38	3	Vertical	23	1.49	-
PK	11.648G	61.26	74.00	-12.74	14.38	3	Vertical	23	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

5825MHz_TX

04/05/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	11.6484G	53.45	54.00	-0.55	14.38	3	Horizontal	48	1.73	-
PK	11.6478G	64.79	74.00	-9.21	14.38	3	Horizontal	48	1.73	-