

FCC Test Report

FCC ID : LDKNVTX21737
Equipment : Embedded System Module
Brand Name : NVIDIA
Model Name : P3310
Applicant : Cisco Systems Inc.
125 West Tasman Drive, San Jose, CA 95134-1706 , USA
Manufacturer : NVIDIA CORPORATION
2788 San Tomas Expressway, Santa Clara, CA 95051
United States Of America(Excluding The States Of
Alaska)
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 30, 2019, and testing was started from Nov. 06, 2019 and completed on Nov. 06, 2019. 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 variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



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APPENDIX A. TEST RESULTS OF UNWANTED EMISSIONS

APPENDIX B. TEST PHOTOS

PHOTOGRAPHS OF EUT V01



TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D1 Ver.2.4
FCC ID: LDKNVTX21737

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.1	15.203	Antenna Requirement	PASS	-
3.1	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Jackson Tsai

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector
1	1	Shanghai Amphenol Airwave	Ci8717-15-000-R	PCB	Reverse SMA
2	2	Shanghai Amphenol Airwave	Ci8717-15-000-R	PCB	Reverse SMA
3	1	Shanghai Amphenol Airwave	CI8904-02-000-R	Dipole	Reverse SMA
4	2	Shanghai Amphenol Airwave	CI8904-02-000-R	Dipole	Reverse SMA
5	1	Shanghai Amphenol Airwave	CI9808-15-000-R	PCB	I-PEX
6	2	Shanghai Amphenol Airwave	CI9809-15-000-R	PCB	I-PEX
7	1	Shanghai Amphenol Airwave	CI9811-15-000-R	PCB	I-PEX
8	2	Shanghai Amphenol Airwave	CI9810-15-000-R	PCB	I-PEX
9	1	Shanghai Amphenol Airwave	CI9812-15-000-R	PCB	I-PEX
10	2	Shanghai Amphenol Airwave	CI9813-15-000-R	PCB	I-PEX
11	1	Shanghai Amphenol Airwave	Ci8210-15-000-R-TA	PCB	I-PEX
12	2	Shanghai Amphenol Airwave	Ci8210-15-000-R-TA	PCB	I-PEX
13	1	Shanghai Amphenol Airwave	Ci8211-15-000-R	PCB	I-PEX
14	2	Shanghai Amphenol Airwave	Ci8211-15-000-R	PCB	I-PEX
15	1	Shanghai Amphenol Airwave	CIA076-15-000-R	PCB	I-PEX
16	2	Shanghai Amphenol Airwave	CIA077-15-000-R	PCB	I-PEX
17	1	Shanghai Amphenol Airwave	CIA582-15-000-R	PCB	I-PEX
18	2	Shanghai Amphenol Airwave	CIA582-15-001-R	PCB	I-PEX

Ant.	Port	Gain (dBi)					
		2.4G	BT	5G			
				U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1	1	6.02	6.02	5.53	6.48	7.91	5.38
2	2	-	6.02	5.53	6.48	7.91	5.38
3	1	4.58	4.58	3.52	4.48	3.75	4.06
4	2	-	4.58	3.52	4.48	3.75	4.06
5	1	-9.3	-9.3	-7.8	-7.8	-6.5	-5
6	2	-	-9.1	-5.9	-5.7	-4.5	-3.1
7	1	-9.7	-9.7	-6.5	-6.1	-4.1	-3.7
8	2	-	-8.9	-6.1	-5.7	-4.6	-3.3
9	1	-8.8	-8.8	-6.1	-7.6	-4.8	-4
10	2	-	-8.8	-6.1	-7.6	-4.8	-4
11	1	-2.3	-2.3	2.5	2.9	3	3.2
12	2	-	-2.3	2.5	2.9	3	3.2
13	1	-2.1	-2.1	1.2	1.7	3.2	4.1
14	2	-	-2.1	1.2	1.7	3.2	4.1
15	1	3.7	3.7	5.3	5.2	3.8	4.3
16	2	-	2.8	4.8	4.8	4.3	4.4
17	1	4.13	4.13	3.95	4.34	5.89	5.95
18	2	-	4.04	3.75	5.08	5.57	5.44

Type 1: Antenna 1(port 1) + Antenna 2(port 2), Type 2: Antenna 3(port 1) + Antenna 4(port 2)
 Type 3: Antenna 5(port 1) + Antenna 6(port 2), Type 4: Antenna 7(port 1) + Antenna 8(port 2)
 Type 5: Antenna 9(port 1) + Antenna 10(port 2), Type 6: Antenna 11(port 1) + Antenna 12(port 2)
 Type 7: Antenna 13(port 1) + Antenna 14(port 2), Type 8: Antenna 15(port 1) + Antenna 16(port 2)
 Type 9: Antenna 17(port 1) + Antenna 18(port 2)

For 2.4GHz function:

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

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For BT function:

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

Port 1 could transmit/receive.

Only Port 1 can be used as transmitting/receiving antenna.

1.1.2 Table for Permissive Change

This product is an extension of original one reported under FCC ID: LDKNVTX21737

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

Modifications	Performance Checking
Add 5~18 antennas	UNII-3 Radiated Emissions above 1GHz was evaluated.

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02r01
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

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
Radiated	03CH01-HY	Edward Wang	22.6~23.2°C / 62.8~67.3%	06/Nov/2019

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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 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 The Worst Case Measurement Configuration

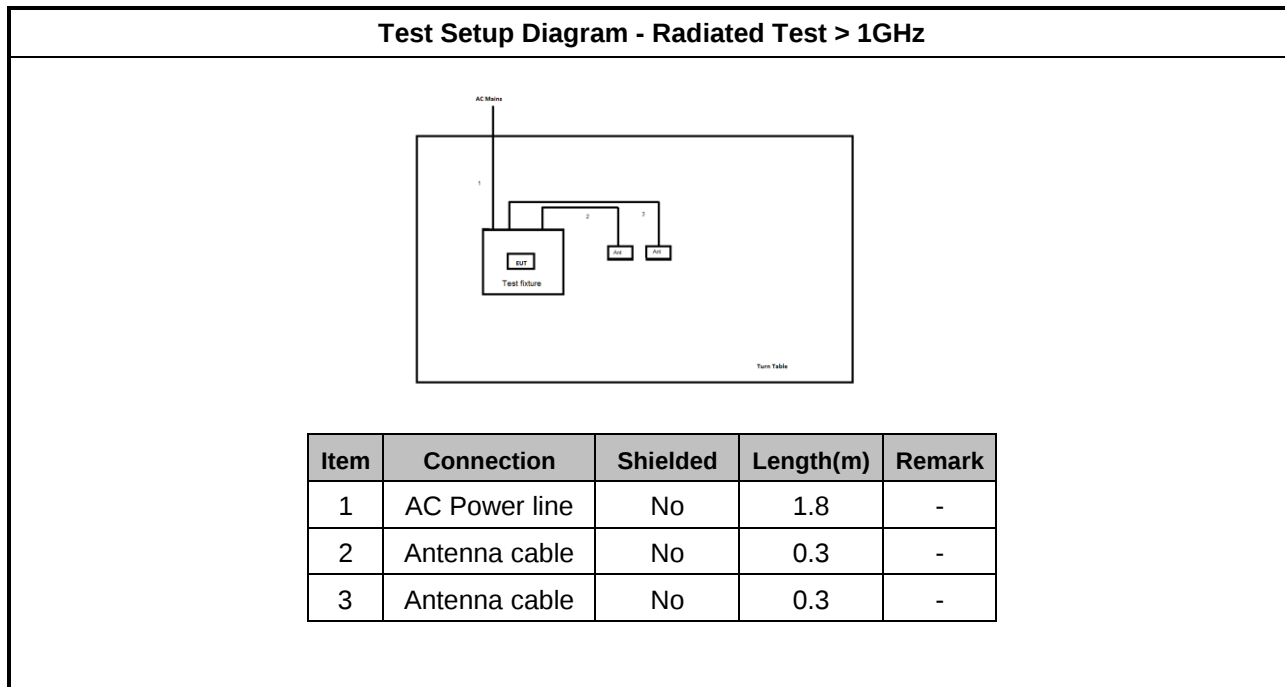
The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest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

2.2 Support Equipment

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Fixture	N/A	N/A	N/A

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

2.3 Test Setup Diagram



3 Transmitter Test Result

3.1 Unwanted Emissions

3.1.1 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).	

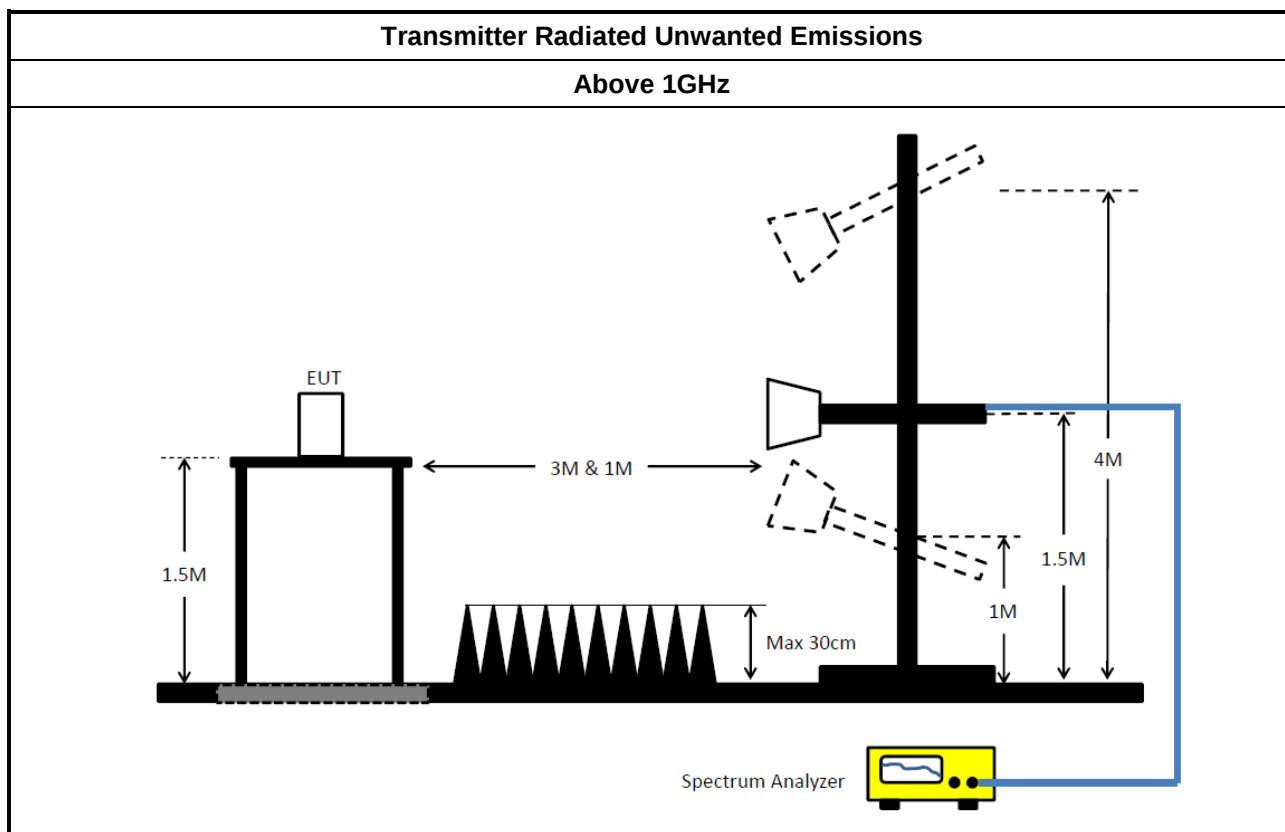
3.1.2 Measuring Instruments

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

3.1.3 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.	

3.1.4 Test Setup



3.1.5 Test Result of Transmitter Unwanted Emissions

Refer as Appendix A

3.2 Test Equipment and Calibration Data

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	Riken	SAC-3M	03CH01-HY	1GHz ~ 18GHz 3m	09/Jan/2019	08/Jan/2020
Microwave Preamplifier	Agilent	8449B	3008A02602	1GHz ~ 26.5GHz	27/Mar/2019	26/Mar/2020
Spectrum Analyzer	R&S	FSV40	101407	10Hz ~ 40GHz	10/Sep/2019	09/Sep/2020
RF Cable-R03m	Jye Bao	RG142	CB019	9kHz ~ 1GHz	14/Dec/2018	13/Dec/2019
RF Cable-HIGH	SUHNER	SUCOFLEX 104	SN805196/4+M Y39495	1 GHz ~ 18 GHz	13/Mar/2019	12/Mar/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170339	18GHz ~ 40GHz	19/Apr/2019	18/Apr/2020
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D-1130	1GHz ~ 18GHz	25/Oct/2019	24/Oct/2020

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	PK	17.48262G	66.40	68.20	-1.80	3	Horizontal	99	1.68	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	17.48748G	66.08	68.20	-2.12	3	Vertical	151	2.66	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	17.38266G	64.79	68.20	-3.41	3	Vertical	260	2.40	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	17.3364G	64.04	68.20	-4.16	3	Vertical	118	1.82	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.745G	88.13	Inf	-Inf	3	Vertical	134	1.99	-
5745MHz	Pass	PK	5.601G	57.07	68.20	-11.13	3	Vertical	134	1.99	-
5745MHz	Pass	PK	5.745G	95.95	Inf	-Inf	3	Vertical	134	1.99	-
5745MHz	Pass	PK	5.9586G	58.69	68.20	-9.51	3	Vertical	134	1.99	-
5745MHz	Pass	AV	5.745G	99.33	Inf	-Inf	3	Horizontal	335	1.00	-
5745MHz	Pass	PK	5.5206G	57.61	68.20	-10.59	3	Horizontal	335	1.00	-
5745MHz	Pass	PK	5.745G	107.94	Inf	-Inf	3	Horizontal	335	1.00	-
5745MHz	Pass	PK	5.8782G	58.79	102.83	-44.04	3	Horizontal	335	1.00	-
5745MHz	Pass	AV	11.49798G	43.89	54.00	-10.11	3	Vertical	331	2.24	-
5745MHz	Pass	PK	11.50188G	55.75	74.00	-18.25	3	Vertical	331	2.24	-
5745MHz	Pass	PK	17.22468G	63.13	68.20	-5.07	3	Vertical	160	1.50	-
5745MHz	Pass	AV	11.4942G	43.86	54.00	-10.14	3	Horizontal	160	1.14	-
5745MHz	Pass	PK	11.49276G	56.10	74.00	-17.90	3	Horizontal	160	1.14	-
5745MHz	Pass	PK	17.23812G	63.80	68.20	-4.40	3	Horizontal	132	2.24	-
5785MHz	Pass	AV	5.785G	91.05	Inf	-Inf	3	Vertical	134	2.09	-
5785MHz	Pass	PK	5.5354G	57.18	68.20	-11.02	3	Vertical	134	2.09	-
5785MHz	Pass	PK	5.785G	99.74	Inf	-Inf	3	Vertical	134	2.09	-
5785MHz	Pass	PK	5.9182G	58.66	73.23	-14.57	3	Vertical	134	2.09	-
5785MHz	Pass	AV	5.785G	100.02	Inf	-Inf	3	Horizontal	334	1.06	-
5785MHz	Pass	PK	5.6194G	58.03	68.20	-10.17	3	Horizontal	334	1.06	-
5785MHz	Pass	PK	5.785G	108.72	Inf	-Inf	3	Horizontal	334	1.06	-
5785MHz	Pass	PK	5.9962G	58.89	68.20	-9.31	3	Horizontal	334	1.06	-
5785MHz	Pass	AV	11.58362G	44.55	54.00	-9.45	3	Vertical	95	1.23	-
5785MHz	Pass	PK	11.55554G	56.68	74.00	-17.32	3	Vertical	95	1.23	-
5785MHz	Pass	PK	17.35416G	65.14	68.20	-3.06	3	Vertical	121	2.03	-
5785MHz	Pass	AV	11.58308G	44.40	54.00	-9.60	3	Horizontal	125	2.33	-
5785MHz	Pass	PK	11.5841G	56.20	74.00	-17.80	3	Horizontal	125	2.33	-
5785MHz	Pass	PK	17.34972G	64.37	68.20	-3.83	3	Horizontal	125	1.69	-
5825MHz	Pass	AV	5.825G	93.61	Inf	-Inf	3	Vertical	135	2.18	-
5825MHz	Pass	PK	5.5274G	57.74	68.20	-10.46	3	Vertical	135	2.18	-
5825MHz	Pass	PK	5.825G	101.91	Inf	-Inf	3	Vertical	135	2.18	-
5825MHz	Pass	PK	5.957G	59.16	68.20	-9.04	3	Vertical	135	2.18	-
5825MHz	Pass	AV	5.825G	100.43	Inf	-Inf	3	Horizontal	328	2.05	-
5825MHz	Pass	PK	5.627G	57.41	68.20	-10.79	3	Horizontal	328	2.05	-
5825MHz	Pass	PK	5.825G	109.19	Inf	-Inf	3	Horizontal	328	2.05	-
5825MHz	Pass	PK	5.9822G	59.41	68.20	-8.79	3	Horizontal	328	2.05	-
5825MHz	Pass	AV	11.65192G	44.48	54.00	-9.52	3	Vertical	147	1.48	-
5825MHz	Pass	PK	11.65354G	56.19	74.00	-17.81	3	Vertical	147	1.48	-
5825MHz	Pass	PK	17.48094G	65.42	68.20	-2.78	3	Vertical	254	1.93	-
5825MHz	Pass	AV	11.63746G	44.42	54.00	-9.58	3	Horizontal	360	2.67	-
5825MHz	Pass	PK	11.64712G	56.38	74.00	-17.62	3	Horizontal	360	2.67	-
5825MHz	Pass	PK	17.48262G	66.40	68.20	-1.80	3	Horizontal	99	1.68	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.7498G	89.30	Inf	-Inf	3	Vertical	156	1.73	-
5745MHz	Pass	PK	5.655G	57.45	71.90	-14.45	3	Vertical	156	1.73	-
5745MHz	Pass	PK	5.7498G	97.28	Inf	-Inf	3	Vertical	156	1.73	-
5745MHz	Pass	PK	5.9094G	58.46	79.74	-21.28	3	Vertical	156	1.73	-

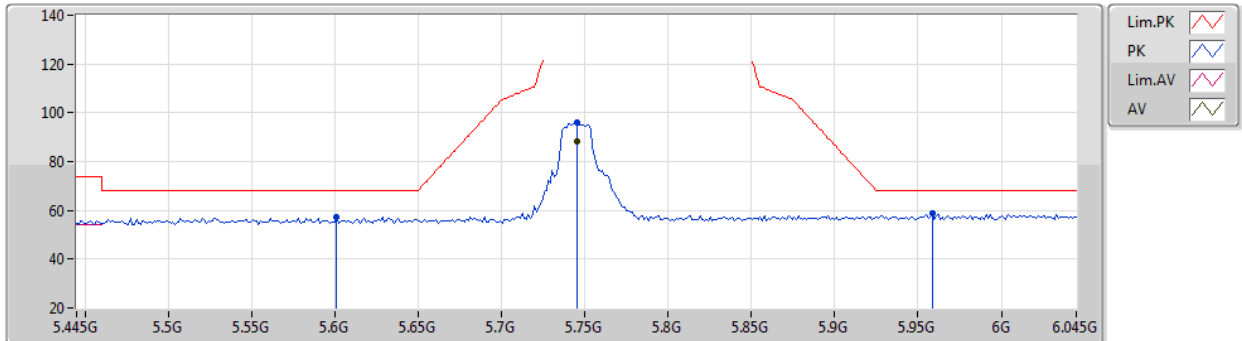
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	AV	5.745G	101.50	Inf	-Inf	3	Horizontal	174	2.24	-
5745MHz	Pass	PK	5.5122G	57.27	68.20	-10.93	3	Horizontal	174	2.24	-
5745MHz	Pass	PK	5.7438G	109.09	Inf	-Inf	3	Horizontal	174	2.24	-
5745MHz	Pass	PK	5.967G	59.16	68.20	-9.04	3	Horizontal	174	2.24	-
5745MHz	Pass	AV	11.5011G	43.85	54.00	-10.15	3	Vertical	144	1.59	-
5745MHz	Pass	PK	11.50488G	56.27	74.00	-17.73	3	Vertical	144	1.59	-
5745MHz	Pass	PK	17.24724G	63.25	68.20	-4.95	3	Vertical	120	3.00	-
5745MHz	Pass	AV	11.48676G	43.86	54.00	-10.14	3	Horizontal	116	1.50	-
5745MHz	Pass	PK	11.50008G	56.11	74.00	-17.89	3	Horizontal	116	1.50	-
5745MHz	Pass	PK	17.23722G	63.36	68.20	-4.84	3	Horizontal	146	2.62	-
5785MHz	Pass	AV	5.7838G	89.42	Inf	-Inf	3	Vertical	133	2.02	-
5785MHz	Pass	PK	5.6194G	57.00	68.20	-11.20	3	Vertical	133	2.02	-
5785MHz	Pass	PK	5.785G	98.48	Inf	-Inf	3	Vertical	133	2.02	-
5785MHz	Pass	PK	6.0574G	58.98	68.20	-9.22	3	Vertical	133	2.02	-
5785MHz	Pass	AV	5.785G	101.91	Inf	-Inf	3	Horizontal	174	2.24	-
5785MHz	Pass	PK	5.5414G	57.39	68.20	-10.81	3	Horizontal	174	2.24	-
5785MHz	Pass	PK	5.785G	110.04	Inf	-Inf	3	Horizontal	174	2.24	-
5785MHz	Pass	PK	6.019G	58.51	68.20	-9.69	3	Horizontal	174	2.24	-
5785MHz	Pass	AV	11.5838G	44.55	54.00	-9.45	3	Vertical	126	1.58	-
5785MHz	Pass	PK	11.56592G	56.12	74.00	-17.88	3	Vertical	126	1.58	-
5785MHz	Pass	PK	17.36232G	64.36	68.20	-3.84	3	Vertical	270	1.50	-
5785MHz	Pass	AV	11.57792G	44.51	54.00	-9.49	3	Horizontal	137	1.56	-
5785MHz	Pass	PK	11.5586G	56.19	74.00	-17.81	3	Horizontal	137	1.56	-
5785MHz	Pass	PK	17.36802G	64.21	68.20	-3.99	3	Horizontal	136	2.13	-
5825MHz	Pass	AV	5.8262G	93.73	Inf	-Inf	3	Vertical	133	2.08	-
5825MHz	Pass	PK	5.7086G	58.13	107.61	-49.48	3	Vertical	133	2.08	-
5825MHz	Pass	PK	5.8274G	102.07	Inf	-Inf	3	Vertical	133	2.08	-
5825MHz	Pass	PK	6.0266G	58.90	68.20	-9.30	3	Vertical	133	2.08	-
5825MHz	Pass	AV	5.825G	100.37	Inf	-Inf	3	Horizontal	327	2.08	-
5825MHz	Pass	PK	5.7038G	57.10	106.26	-49.16	3	Horizontal	327	2.08	-
5825MHz	Pass	PK	5.825G	109.22	Inf	-Inf	3	Horizontal	327	2.08	-
5825MHz	Pass	PK	5.9498G	58.47	68.20	-9.73	3	Horizontal	327	2.08	-
5825MHz	Pass	AV	11.65534G	44.39	54.00	-9.61	3	Vertical	43	1.41	-
5825MHz	Pass	PK	11.65912G	56.51	74.00	-17.49	3	Vertical	43	1.41	-
5825MHz	Pass	PK	17.48748G	66.08	68.20	-2.12	3	Vertical	151	2.66	-
5825MHz	Pass	AV	11.64946G	44.50	54.00	-9.50	3	Horizontal	236	2.21	-
5825MHz	Pass	PK	11.63728G	56.32	74.00	-17.68	3	Horizontal	236	2.21	-
5825MHz	Pass	PK	17.46612G	65.98	68.20	-2.22	3	Horizontal	228	1.00	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	AV	5.755G	87.28	Inf	-Inf	3	Vertical	134	1.30	-
5755MHz	Pass	PK	5.4742G	57.65	68.20	-10.55	3	Vertical	134	1.30	-
5755MHz	Pass	PK	5.755G	93.27	Inf	-Inf	3	Vertical	134	1.30	-
5755MHz	Pass	PK	5.9626G	58.39	68.20	-9.81	3	Vertical	134	1.30	-
5755MHz	Pass	AV	5.755G	100.18	Inf	-Inf	3	Horizontal	174	2.23	-
5755MHz	Pass	PK	5.545G	57.50	68.20	-10.70	3	Horizontal	174	2.23	-
5755MHz	Pass	PK	5.7634G	106.22	Inf	-Inf	3	Horizontal	174	2.23	-
5755MHz	Pass	PK	5.9554G	59.51	68.20	-8.69	3	Horizontal	174	2.23	-
5755MHz	Pass	PK	11.52458G	55.95	74.00	-18.05	3	Vertical	9	2.43	-
5755MHz	Pass	AV	11.49758G	44.76	54.00	-9.24	3	Vertical	9	2.43	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5755MHz	Pass	PK	17.26884G	63.32	68.20	-4.88	3	Vertical	7	165	-
5755MHz	Pass	AV	11.52218G	44.81	54.00	-9.19	3	Horizontal	68	1.68	-
5755MHz	Pass	PK	11.5103G	55.66	74.00	-18.34	3	Horizontal	68	1.68	-
5755MHz	Pass	PK	17.27172G	63.81	68.20	-4.39	3	Horizontal	53	1.50	-
5795MHz	Pass	AV	5.795G	89.50	Inf	-Inf	3	Vertical	133	1.99	-
5795MHz	Pass	PK	5.6822G	57.01	92.03	-35.02	3	Vertical	133	1.99	-
5795MHz	Pass	PK	5.8058G	95.91	Inf	-Inf	3	Vertical	133	1.99	-
5795MHz	Pass	PK	6.0302G	58.69	68.20	-9.51	3	Vertical	133	1.99	-
5795MHz	Pass	AV	5.795G	98.91	Inf	-Inf	3	Horizontal	327	2.08	-
5795MHz	Pass	PK	5.6258G	57.40	68.20	-10.80	3	Horizontal	327	2.08	-
5795MHz	Pass	PK	5.8034G	104.95	Inf	-Inf	3	Horizontal	327	2.08	-
5795MHz	Pass	PK	6.0506G	58.78	68.20	-9.42	3	Horizontal	327	2.08	-
5795MHz	Pass	AV	11.57548G	45.49	54.00	-8.51	3	Vertical	170	1.35	-
5795MHz	Pass	PK	11.59834G	56.30	74.00	-17.70	3	Vertical	170	1.35	-
5795MHz	Pass	PK	17.38266G	64.79	68.20	-3.41	3	Vertical	260	2.40	-
5795MHz	Pass	PK	11.59G	56.70	74.00	-17.30	3	Horizontal	336	2.40	-
5795MHz	Pass	AV	11.59774G	44.49	54.00	-9.51	3	Horizontal	336	2.40	-
5795MHz	Pass	PK	17.37696G	64.50	68.20	-3.70	3	Horizontal	29	1.57	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	AV	5.775G	83.24	Inf	-Inf	3	Vertical	135	1.35	-
5775MHz	Pass	PK	5.5794G	57.89	68.20	-10.31	3	Vertical	135	1.35	-
5775MHz	Pass	PK	5.775G	86.99	Inf	-Inf	3	Vertical	135	1.35	-
5775MHz	Pass	PK	6.0246G	58.89	68.20	-9.31	3	Vertical	135	1.35	-
5775MHz	Pass	AV	5.775G	93.64	Inf	-Inf	3	Horizontal	326	1.85	-
5775MHz	Pass	PK	5.5086G	57.56	68.20	-10.64	3	Horizontal	326	1.85	-
5775MHz	Pass	PK	5.775G	97.03	Inf	-Inf	3	Horizontal	326	1.85	-
5775MHz	Pass	PK	5.925G	58.67	68.20	-9.53	3	Horizontal	326	1.85	-
5775MHz	Pass	AV	11.55096G	46.60	54.00	-7.40	3	Vertical	15	2.47	-
5775MHz	Pass	PK	11.5395G	56.30	74.00	-17.70	3	Vertical	15	2.47	-
5775MHz	Pass	PK	17.3364G	64.04	68.20	-4.16	3	Vertical	118	1.82	-
5775MHz	Pass	AV	11.562G	46.51	54.00	-7.49	3	Horizontal	70	1.02	-
5775MHz	Pass	PK	11.53956G	56.61	74.00	-17.39	3	Horizontal	70	1.02	-
5775MHz	Pass	PK	17.33418G	63.91	68.20	-4.29	3	Horizontal	16	2.34	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5745MHz_TX

06/11/2019

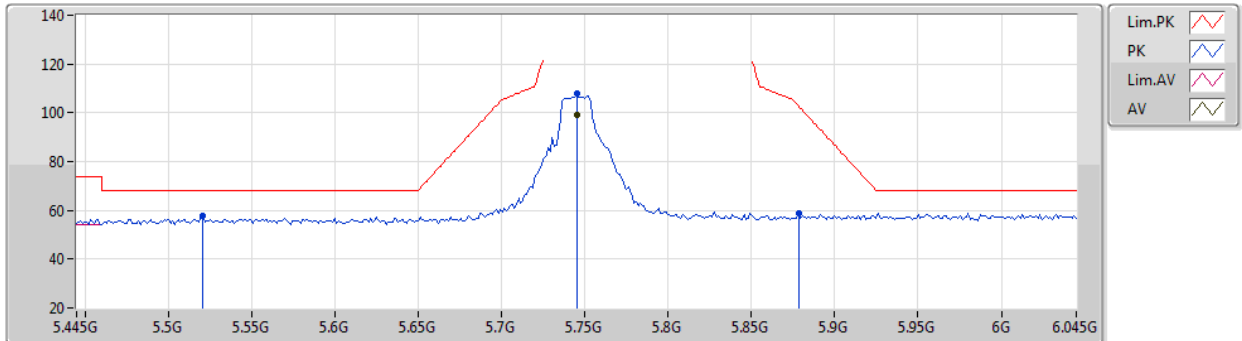


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.745G	88.13	Inf	-Inf	3.11	3	Vertical	134	1.99	-	85.02	32.13	5.78	34.80
PK	5.601G	57.07	68.20	-11.13	2.83	3	Vertical	134	1.99	-	54.24	31.90	5.73	34.80
PK	5.745G	95.95	Inf	-Inf	3.11	3	Vertical	134	1.99	-	92.84	32.13	5.78	34.80
PK	5.9586G	58.69	68.20	-9.51	3.67	3	Vertical	134	1.99	-	55.02	32.62	5.86	34.81

802.11a_Nss1,(6Mbps)_1TX(Port1)

5745MHz_TX

06/11/2019

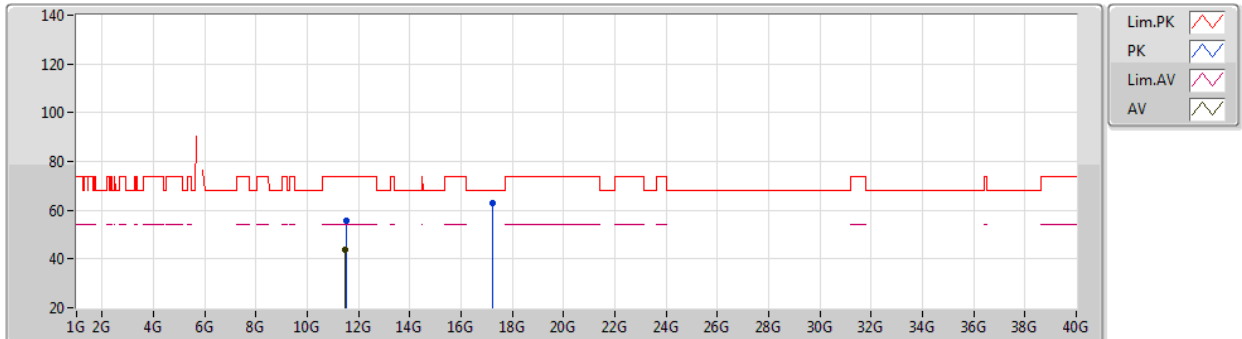


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.745G	99.33	Inf	-Inf	3.11	3	Horizontal	335	1.00	-	96.22	32.13	5.78	34.80
PK	5.5206G	57.61	68.20	-10.59	2.78	3	Horizontal	335	1.00	-	54.83	31.90	5.68	34.80
PK	5.745G	107.94	Inf	-Inf	3.11	3	Horizontal	335	1.00	-	104.83	32.13	5.78	34.80
PK	5.8782G	58.79	102.83	-44.04	3.48	3	Horizontal	335	1.00	-	55.31	32.46	5.83	34.81

802.11a_Nss1,(6Mbps)_1TX(Port1)

5745MHz_TX

06/11/2019

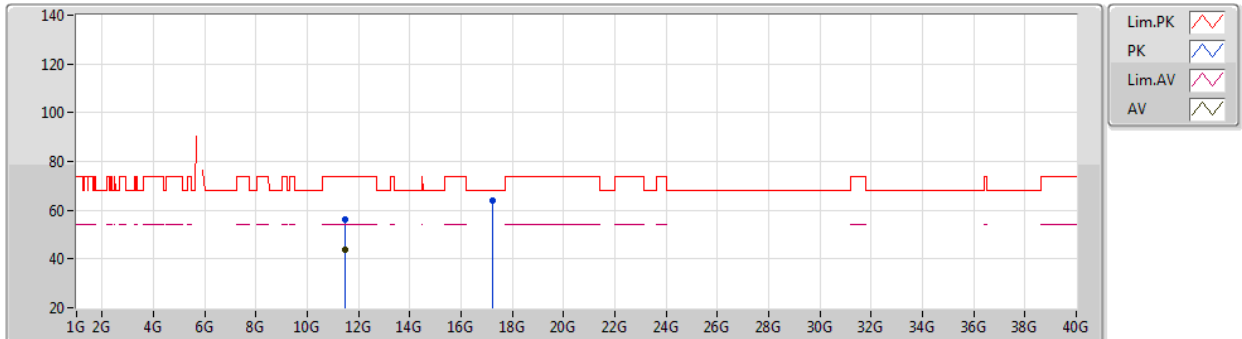


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.49798G	43.89	54.00	-10.11	13.23	3	Vertical	331	2.24	-	30.66	39.65	8.34	34.76
PK	11.50188G	55.75	74.00	-18.25	13.23	3	Vertical	331	2.24	-	42.52	39.65	8.34	34.76
PK	17.22468G	63.13	68.20	-5.07	18.88	3	Vertical	160	1.50	-	44.25	42.47	10.66	34.25

802.11a_Nss1,(6Mbps)_1TX(Port1)

5745MHz_TX

06/11/2019

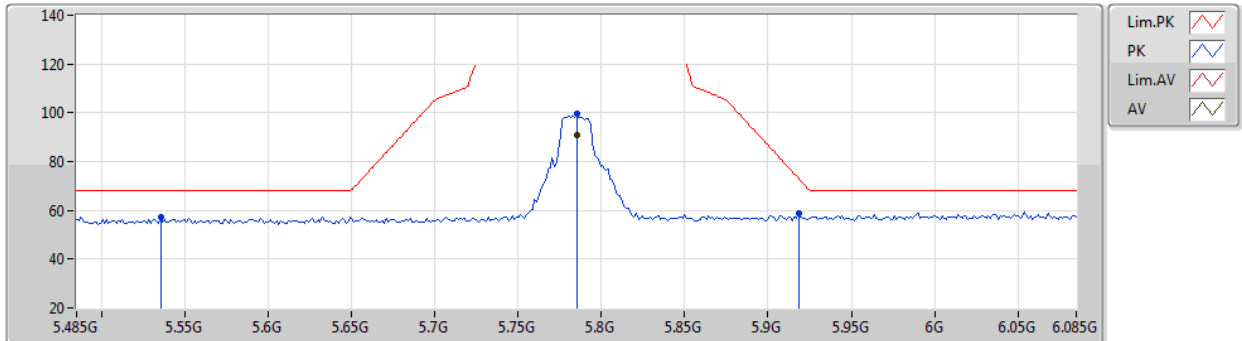


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.4942G	43.86	54.00	-10.14	13.24	3	Horizontal	160	1.14	-	30.62	39.66	8.34	34.76
PK	11.49276G	56.10	74.00	-17.90	13.24	3	Horizontal	160	1.14	-	42.86	39.66	8.34	34.76
PK	17.23812G	63.80	68.20	-4.40	19.03	3	Horizontal	132	2.24	-	44.77	42.62	10.66	34.25

802.11a_Nss1,(6Mbps)_1TX(Port1)

5785MHz_TX

06/11/2019

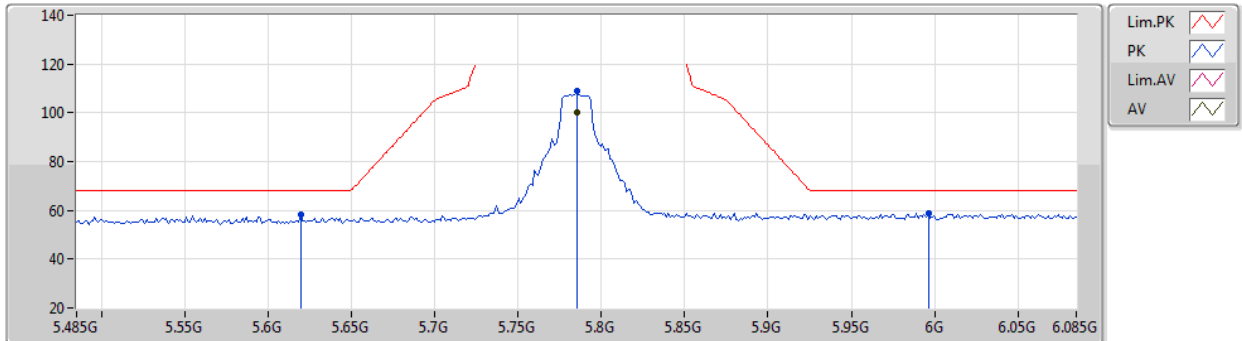


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.785G	91.05	Inf	-Inf	3.24	3	Vertical	134	2.09	-	87.81	32.25	5.80	34.81
PK	5.5354G	57.18	68.20	-11.02	2.79	3	Vertical	134	2.09	-	54.39	31.90	5.69	34.80
PK	5.785G	99.74	Inf	-Inf	3.24	3	Vertical	134	2.09	-	96.50	32.25	5.80	34.81
PK	5.9182G	58.66	73.23	-14.57	3.58	3	Vertical	134	2.09	-	55.08	32.54	5.85	34.81

802.11a_Nss1,(6Mbps)_1TX(Port1)

5785MHz_TX

06/11/2019

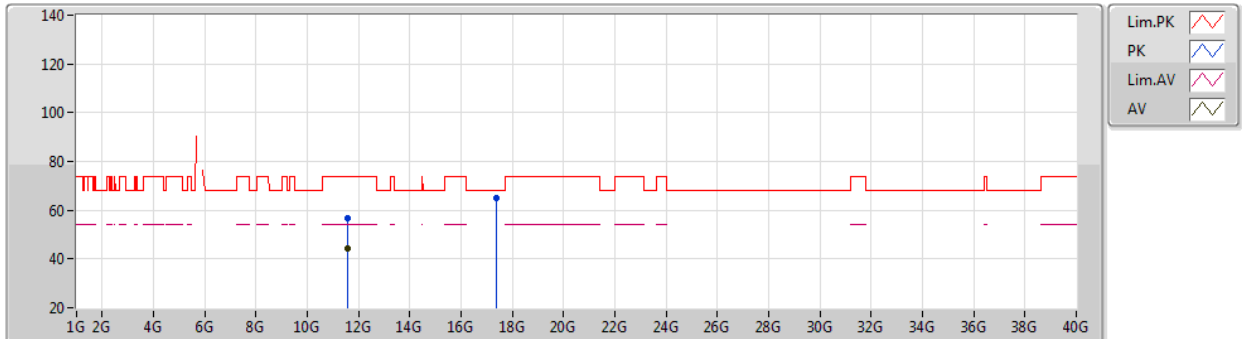


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.785G	100.02	Inf	-Inf	3.24	3	Horizontal	334	1.06	-	96.78	32.25	5.80	34.81
PK	5.6194G	58.03	68.20	-10.17	2.86	3	Horizontal	334	1.06	-	55.17	31.92	5.74	34.80
PK	5.785G	108.72	Inf	-Inf	3.24	3	Horizontal	334	1.06	-	105.48	32.25	5.80	34.81
PK	5.9962G	58.89	68.20	-9.31	3.76	3	Horizontal	334	1.06	-	55.13	32.69	5.88	34.81

802.11a_Nss1,(6Mbps)_1TX(Port1)

5785MHz_TX

06/11/2019

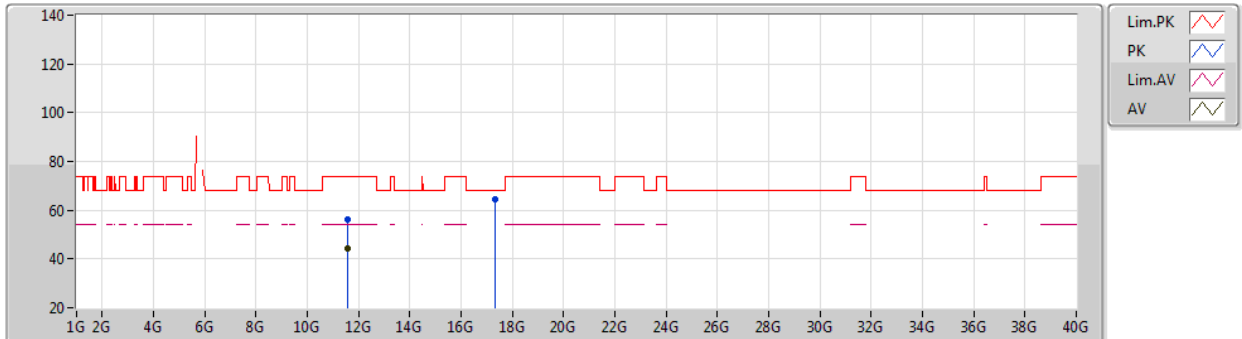


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.58362G	44.55	54.00	-9.45	13.14	3	Vertical	95	1.23	-	31.41	39.54	8.37	34.77
PK	11.55554G	56.68	74.00	-17.32	13.17	3	Vertical	95	1.23	-	43.51	39.58	8.36	34.77
PK	17.35416G	65.14	68.20	-3.06	20.34	3	Vertical	121	2.03	-	44.80	43.90	10.68	34.24

802.11a_Nss1,(6Mbps)_1TX(Port1)

5785MHz_TX

06/11/2019

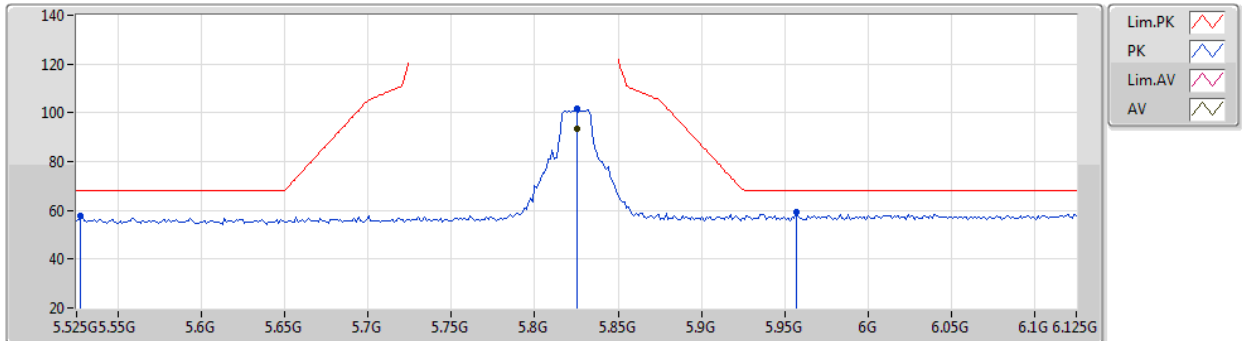


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.58308G	44.40	54.00	-9.60	13.14	3	Horizontal	125	2.33	-	31.26	39.54	8.37	34.77
PK	11.5841G	56.20	74.00	-17.80	13.14	3	Horizontal	125	2.33	-	43.06	39.54	8.37	34.77
PK	17.34972G	64.37	68.20	-3.83	20.29	3	Horizontal	125	1.69	-	44.08	43.85	10.68	34.24

802.11a_Nss1,(6Mbps)_1TX(Port1)

5825MHz_TX

06/11/2019

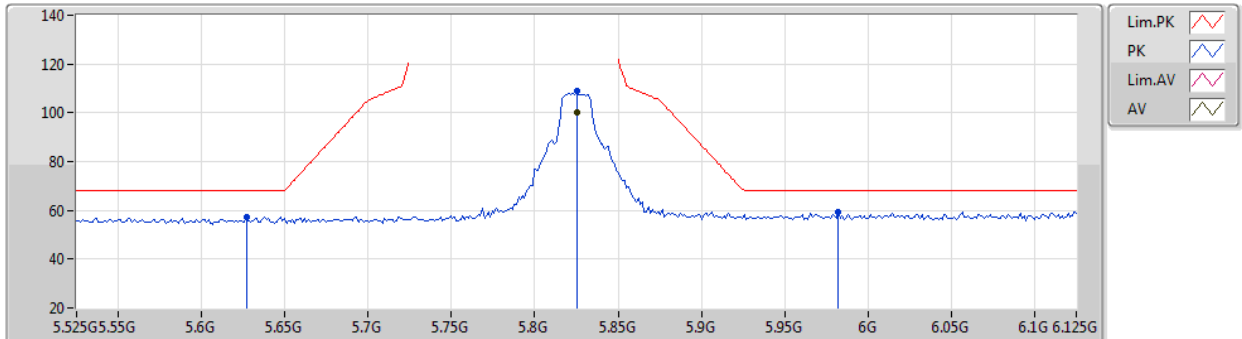


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.825G	93.61	Inf	-Inf	3.35	3	Vertical	135	2.18	-	90.26	32.35	5.81	34.81
PK	5.5274G	57.74	68.20	-10.46	2.79	3	Vertical	135	2.18	-	54.95	31.90	5.69	34.80
PK	5.825G	101.91	Inf	-Inf	3.35	3	Vertical	135	2.18	-	98.56	32.35	5.81	34.81
PK	5.957G	59.16	68.20	-9.04	3.66	3	Vertical	135	2.18	-	55.50	32.61	5.86	34.81

802.11a_Nss1,(6Mbps)_1TX(Port1)

5825MHz_TX

06/11/2019

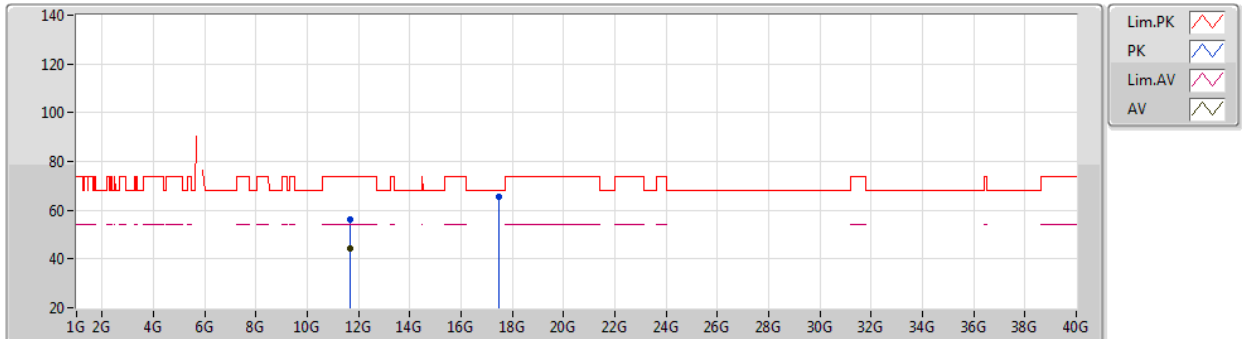


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.825G	100.43	Inf	-Inf	3.35	3	Horizontal	328	2.05	-	97.08	32.35	5.81	34.81
PK	5.627G	57.41	68.20	-10.79	2.87	3	Horizontal	328	2.05	-	54.54	31.93	5.74	34.80
PK	5.825G	109.19	Inf	-Inf	3.35	3	Horizontal	328	2.05	-	105.84	32.35	5.81	34.81
PK	5.9822G	59.41	68.20	-8.79	3.72	3	Horizontal	328	2.05	-	55.69	32.66	5.87	34.81

802.11a_Nss1,(6Mbps)_1TX(Port1)

5825MHz_TX

06/11/2019

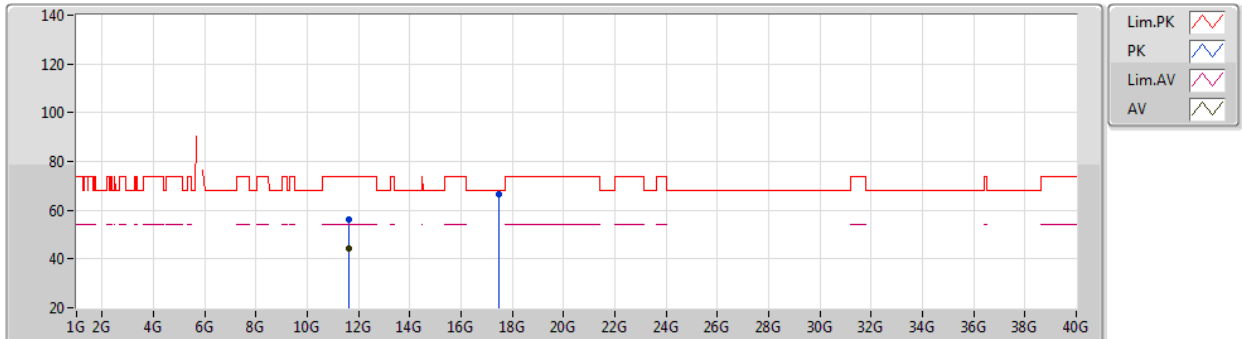


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.65192G	44.48	54.00	-9.52	13.07	3	Vertical	147	1.48	-	31.41	39.45	8.40	34.78
PK	11.65354G	56.19	74.00	-17.81	13.07	3	Vertical	147	1.48	-	43.12	39.45	8.40	34.78
PK	17.48094G	65.42	68.20	-2.78	21.77	3	Vertical	254	1.93	-	43.65	45.29	10.71	34.23

802.11a_Nss1,(6Mbps)_1TX(Port1)

5825MHz_TX

06/11/2019

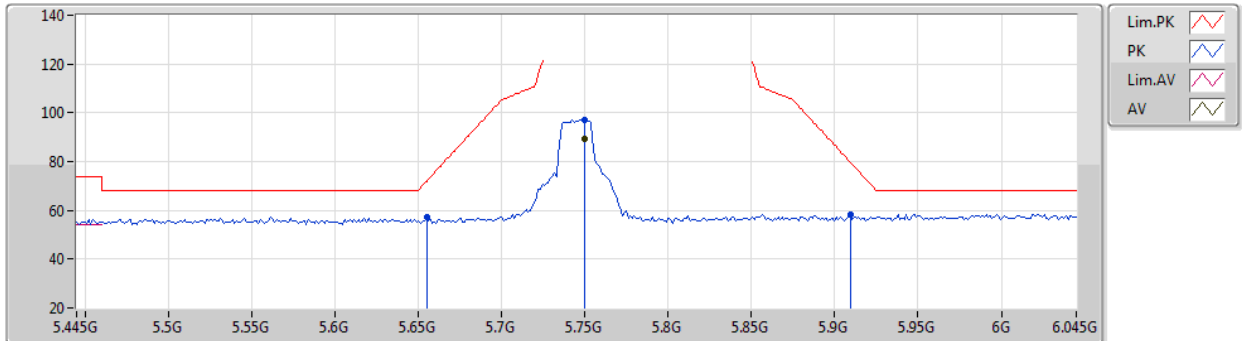


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.63746G	44.42	54.00	-9.58	13.08	3	Horizontal	360	2.67	-	31.34	39.47	8.39	34.78
PK	11.64712G	56.38	74.00	-17.62	13.08	3	Horizontal	360	2.67	-	43.30	39.46	8.40	34.78
PK	17.48262G	66.40	68.20	-1.80	21.79	3	Horizontal	99	1.68	-	44.61	45.31	10.71	34.23

802.11n HT20_Nss1,(MCS0)_2TX

06/11/2019

5745MHz_TX

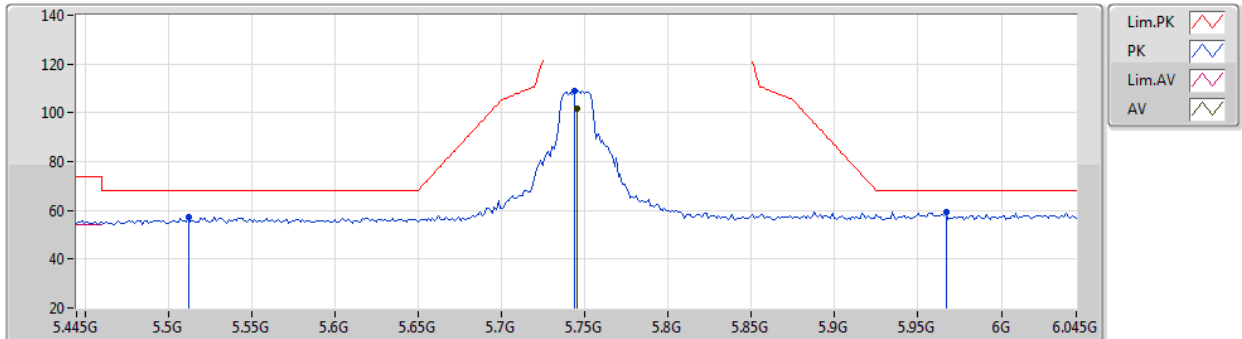


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7498G	89.30	Inf	-Inf	3.13	3	Vertical	156	1.73	-	86.17	32.15	5.78	34.80
PK	5.655G	57.45	71.90	-14.45	2.90	3	Vertical	156	1.73	-	54.55	31.95	5.75	34.80
PK	5.7498G	97.28	Inf	-Inf	3.13	3	Vertical	156	1.73	-	94.15	32.15	5.78	34.80
PK	5.9094G	58.46	79.74	-21.28	3.55	3	Vertical	156	1.73	-	54.91	32.52	5.84	34.81

802.11n HT20_Nss1,(MCS0)_2TX

06/11/2019

5745MHz_TX

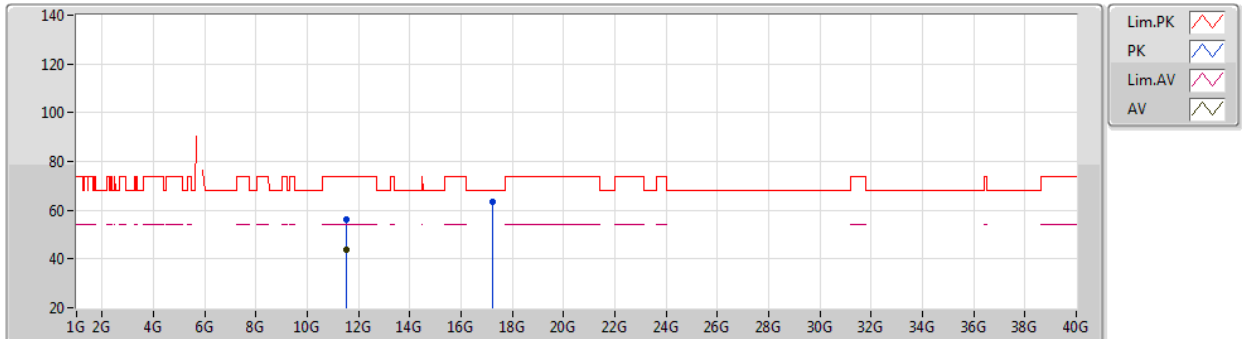


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.745G	101.50	Inf	-Inf	3.11	3	Horizontal	174	2.24	-	98.39	32.13	5.78	34.80
PK	5.5122G	57.27	68.20	-10.93	2.78	3	Horizontal	174	2.24	-	54.49	31.90	5.68	34.80
PK	5.7438G	109.09	Inf	-Inf	3.11	3	Horizontal	174	2.24	-	105.98	32.13	5.78	34.80
PK	5.967G	59.16	68.20	-9.04	3.69	3	Horizontal	174	2.24	-	55.47	32.63	5.87	34.81

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

06/11/2019

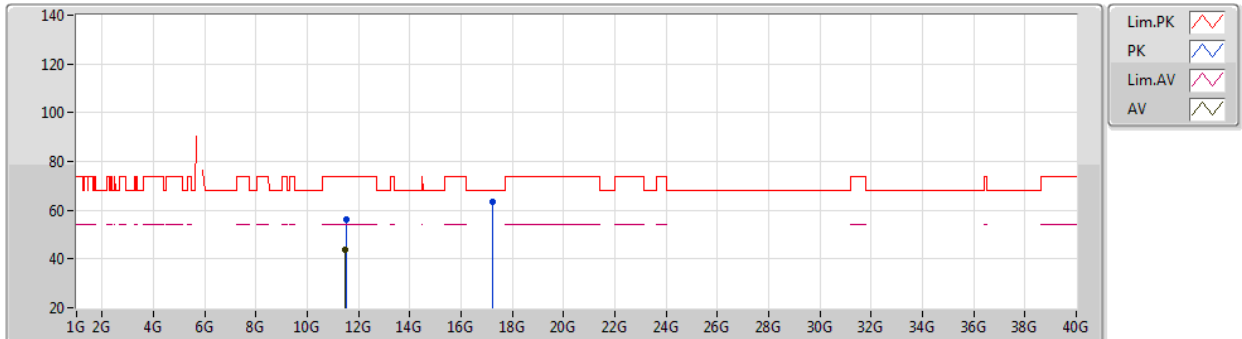


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5011G	43.85	54.00	-10.15	13.23	3	Vertical	144	1.59	-	30.62	39.65	8.34	34.76
PK	11.50488G	56.27	74.00	-17.73	13.22	3	Vertical	144	1.59	-	43.05	39.64	8.34	34.76
PK	17.24724G	63.25	68.20	-4.95	19.13	3	Vertical	120	3.00	-	44.12	42.72	10.66	34.25

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

06/11/2019

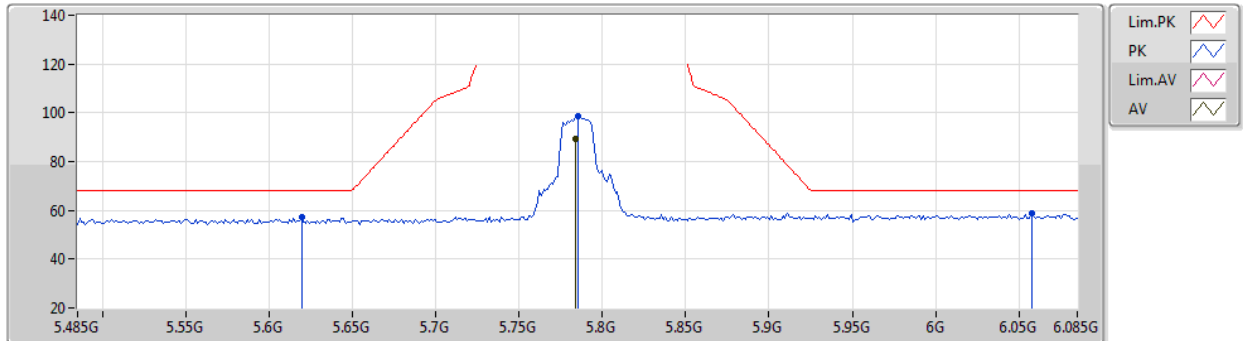


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48676G	43.86	54.00	-10.14	13.24	3	Horizontal	116	1.50	-	30.62	39.67	8.33	34.76
PK	11.50008G	56.11	74.00	-17.89	13.23	3	Horizontal	116	1.50	-	42.88	39.65	8.34	34.76
PK	17.23722G	63.36	68.20	-4.84	19.02	3	Horizontal	146	2.62	-	44.34	42.61	10.66	34.25

802.11n HT20_Nss1,(MCS0)_2TX

06/11/2019

5785MHz_TX

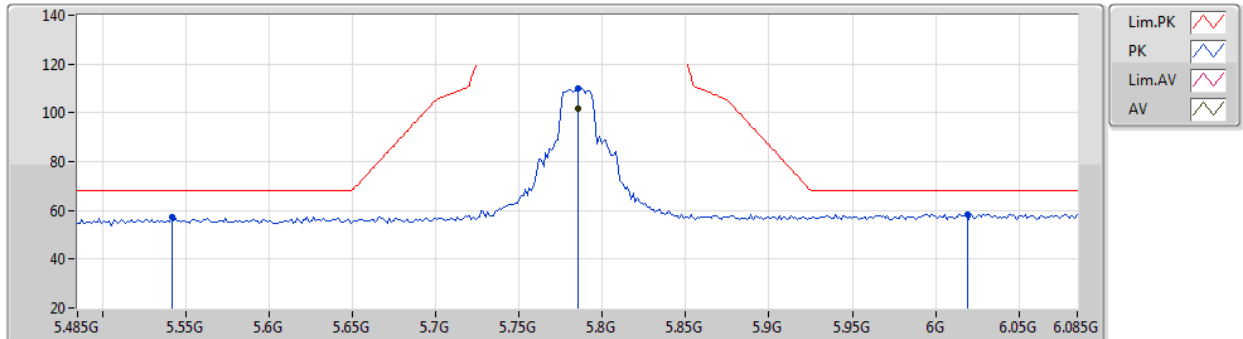


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7838G	89.42	Inf	-Inf	3.24	3	Vertical	133	2.02	-	86.18	32.25	5.80	34.81
PK	5.6194G	57.00	68.20	-11.20	2.86	3	Vertical	133	2.02	-	54.14	31.92	5.74	34.80
PK	5.785G	98.48	Inf	-Inf	3.24	3	Vertical	133	2.02	-	95.24	32.25	5.80	34.81
PK	6.0574G	58.98	68.20	-9.22	3.72	3	Vertical	133	2.02	-	55.26	32.64	5.91	34.83

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

06/11/2019

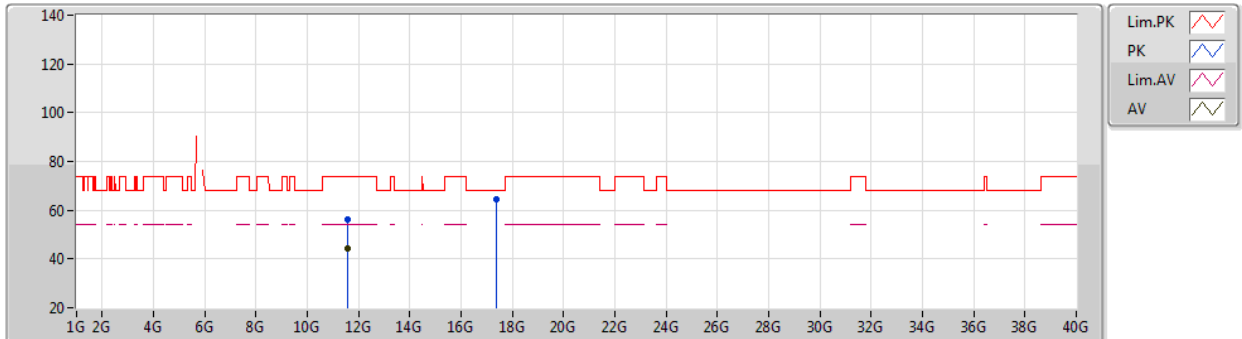


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.785G	101.91	Inf	-Inf	3.24	3	Horizontal	174	2.24	-	98.67	32.25	5.80	34.81
PK	5.5414G	57.39	68.20	-10.81	2.79	3	Horizontal	174	2.24	-	54.60	31.90	5.69	34.80
PK	5.785G	110.04	Inf	-Inf	3.24	3	Horizontal	174	2.24	-	106.80	32.25	5.80	34.81
PK	6.019G	58.51	68.20	-9.69	3.75	3	Horizontal	174	2.24	-	54.76	32.68	5.89	34.82

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

06/11/2019

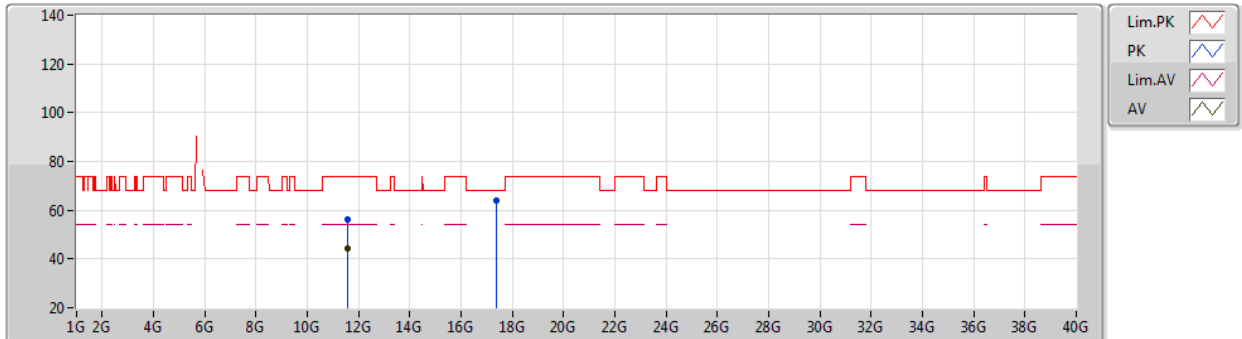


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5838G	44.55	54.00	-9.45	13.14	3	Vertical	126	1.58	-	31.41	39.54	8.37	34.77
PK	11.56592G	56.12	74.00	-17.88	13.16	3	Vertical	126	1.58	-	42.96	39.56	8.37	34.77
PK	17.36232G	64.36	68.20	-3.84	20.44	3	Vertical	270	1.50	-	43.92	43.99	10.69	34.24

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

06/11/2019

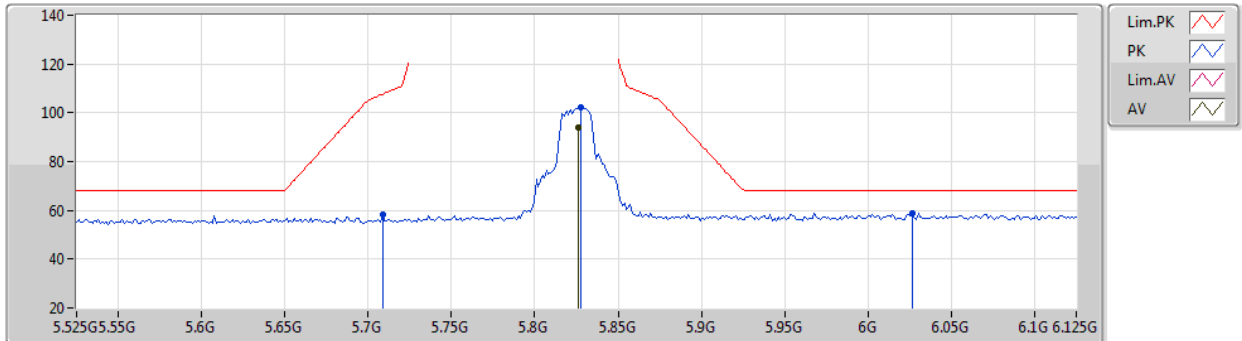


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57792G	44.51	54.00	-9.49	13.15	3	Horizontal	137	1.56	-	31.36	39.55	8.37	34.77
PK	11.5586G	56.19	74.00	-17.81	13.16	3	Horizontal	137	1.56	-	43.03	39.57	8.36	34.77
PK	17.36802G	64.21	68.20	-3.99	20.50	3	Horizontal	136	2.13	-	43.71	44.05	10.69	34.24

802.11n HT20_Nss1,(MCS0)_2TX

06/11/2019

5825MHz_TX

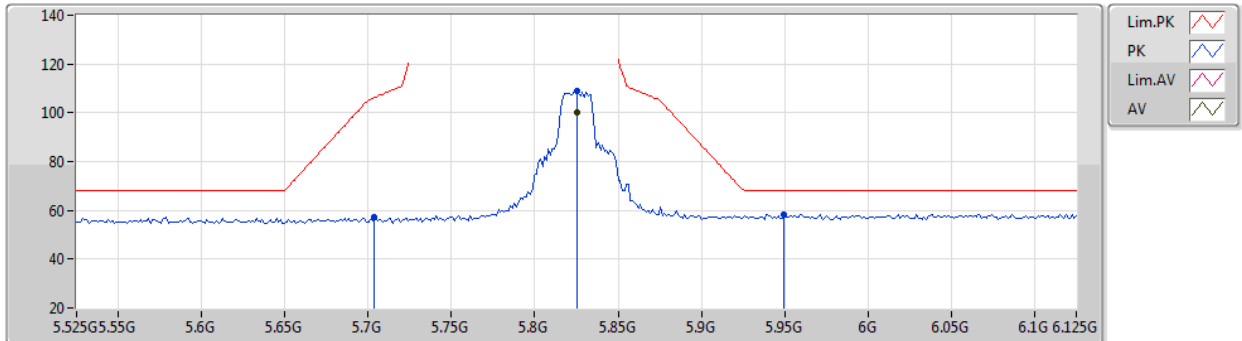


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8262G	93.73	Inf	-Inf	3.35	3	Vertical	133	2.08	-	90.38	32.35	5.81	34.81
PK	5.7086G	58.13	107.61	-49.48	3.00	3	Vertical	133	2.08	-	55.13	32.03	5.77	34.80
PK	5.8274G	102.07	Inf	-Inf	3.35	3	Vertical	133	2.08	-	98.72	32.35	5.81	34.81
PK	6.0266G	58.90	68.20	-9.30	3.75	3	Vertical	133	2.08	-	55.15	32.67	5.90	34.82

802.11n HT20_Nss1,(MCS0)_2TX

06/11/2019

5825MHz_TX

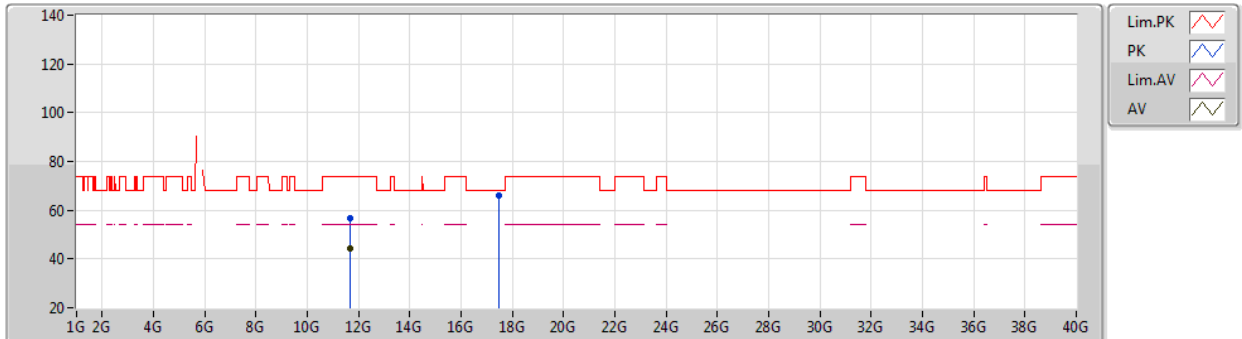


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.825G	100.37	Inf	-Inf	3.35	3	Horizontal	327	2.08	-	97.02	32.35	5.81	34.81
PK	5.7038G	57.10	106.26	-49.16	2.98	3	Horizontal	327	2.08	-	54.12	32.01	5.77	34.80
PK	5.825G	109.22	Inf	-Inf	3.35	3	Horizontal	327	2.08	-	105.87	32.35	5.81	34.81
PK	5.9498G	58.47	68.20	-9.73	3.65	3	Horizontal	327	2.08	-	54.82	32.60	5.86	34.81

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

06/11/2019

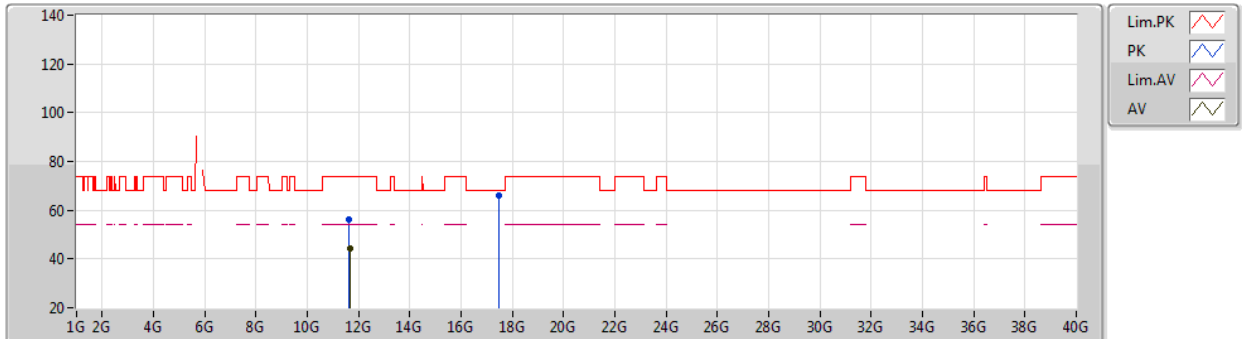


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.65534G	44.39	54.00	-9.61	13.07	3	Vertical	43	1.41	-	31.32	39.45	8.40	34.78
PK	11.65912G	56.51	74.00	-17.49	13.05	3	Vertical	43	1.41	-	43.46	39.44	8.40	34.79
PK	17.48748G	66.08	68.20	-2.12	21.84	3	Vertical	151	2.66	-	44.24	45.36	10.71	34.23

802.11n HT20_Nss1,(MCS0)_2TX

06/11/2019

5825MHz_TX

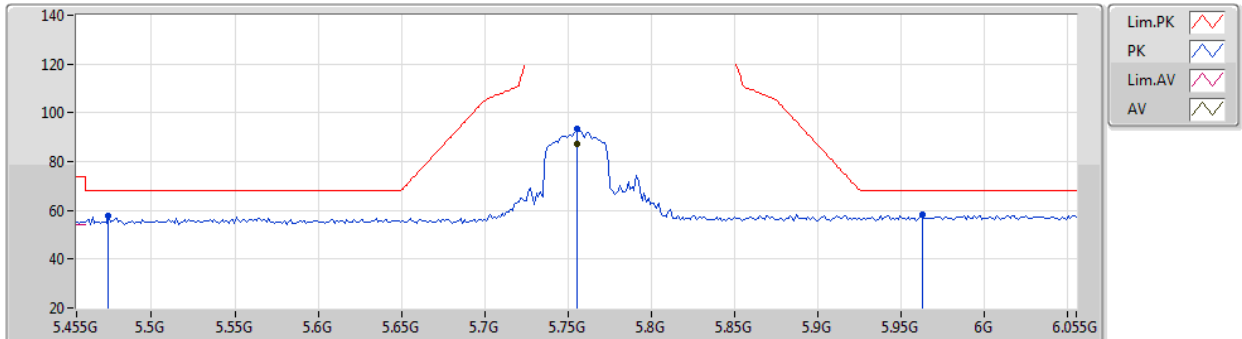


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.64946G	44.50	54.00	-9.50	13.08	3	Horizontal	236	2.21	-	31.42	39.46	8.40	34.78
PK	11.63728G	56.32	74.00	-17.68	13.08	3	Horizontal	236	2.21	-	43.24	39.47	8.39	34.78
PK	17.46612G	65.98	68.20	-2.22	21.61	3	Horizontal	228	1.00	-	44.37	45.13	10.71	34.23

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/11/2019

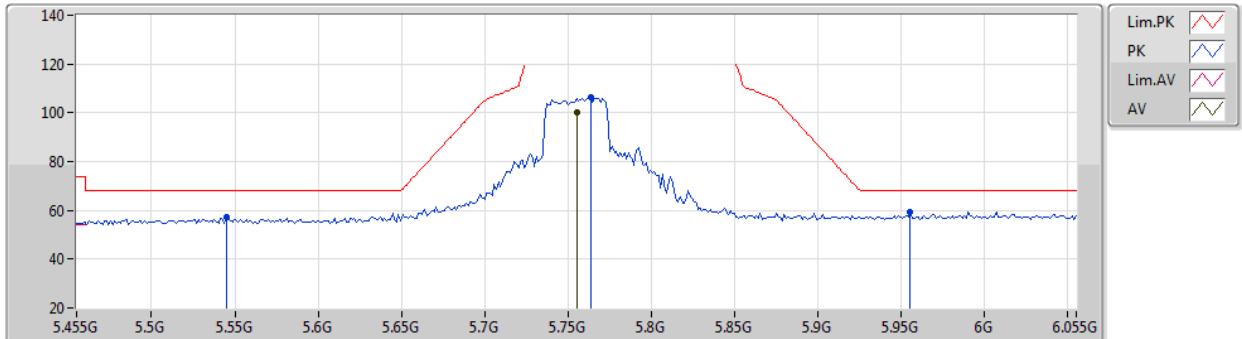


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.755G	87.28	Inf	-Inf	3.14	3	Vertical	134	1.30	-	84.14	32.16	5.79	34.81
PK	5.4742G	57.65	68.20	-10.55	2.70	3	Vertical	134	1.30	-	54.95	31.85	5.65	34.80
PK	5.755G	93.27	Inf	-Inf	3.14	3	Vertical	134	1.30	-	90.13	32.16	5.79	34.81
PK	5.9626G	58.39	68.20	-9.81	3.69	3	Vertical	134	1.30	-	54.70	32.63	5.87	34.81

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/11/2019

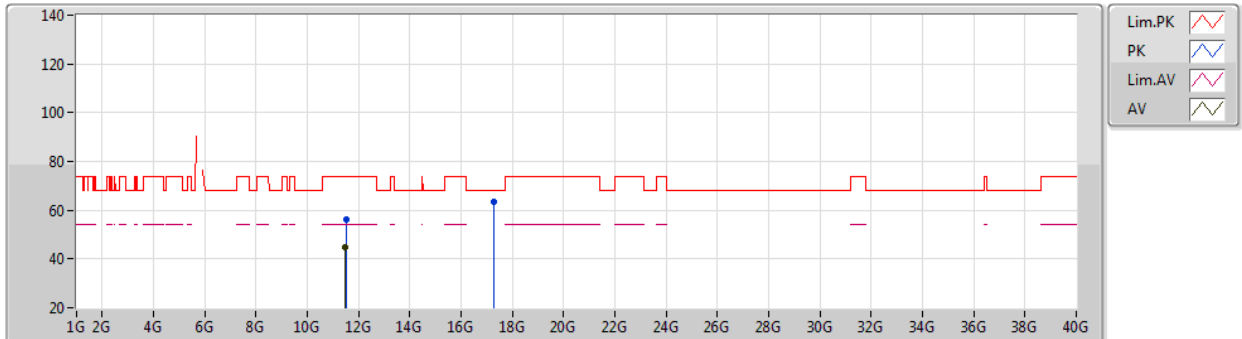


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.755G	100.18	Inf	-Inf	3.14	3	Horizontal	174	2.23	-	97.04	32.16	5.79	34.81
PK	5.545G	57.50	68.20	-10.70	2.80	3	Horizontal	174	2.23	-	54.70	31.90	5.70	34.80
PK	5.7634G	106.22	Inf	-Inf	3.17	3	Horizontal	174	2.23	-	103.05	32.19	5.79	34.81
PK	5.9554G	59.51	68.20	-8.69	3.66	3	Horizontal	174	2.23	-	55.85	32.61	5.86	34.81

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/11/2019

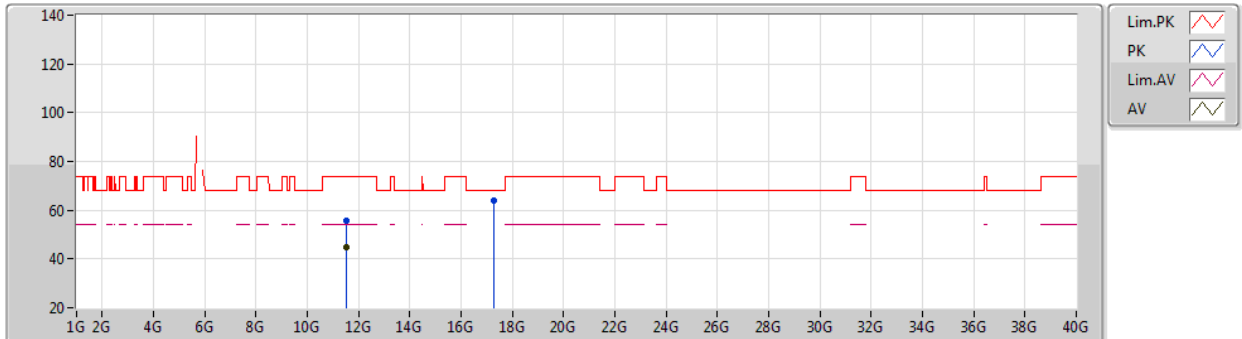


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	11.52458G	55.95	74.00	-18.05	13.21	3	Vertical	9	2.43	-	42.74	39.62	8.35	34.76
AV	11.49758G	44.76	54.00	-9.24	13.23	3	Vertical	9	2.43	-	31.53	39.65	8.34	34.76
PK	17.26884G	63.32	68.20	-4.88	19.39	3	Vertical	7	165	-	43.93	42.96	10.67	34.24

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/11/2019

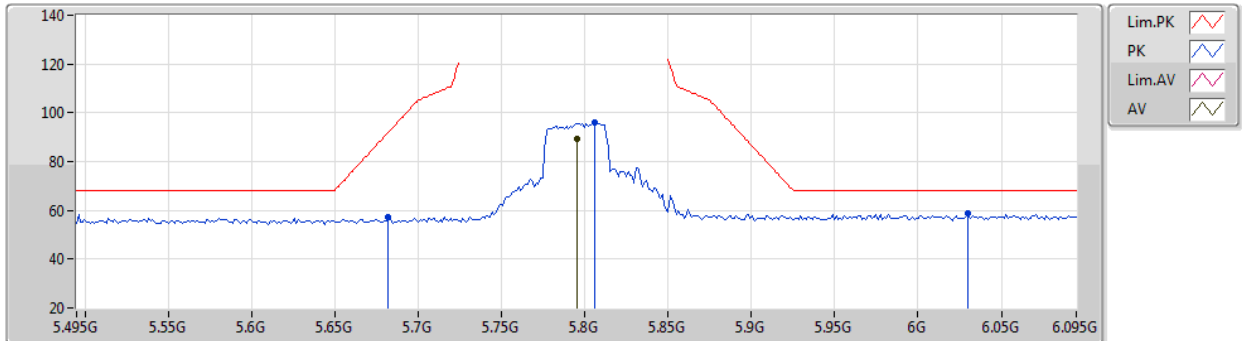


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.52218G	44.81	54.00	-9.19	13.21	3	Horizontal	68	1.68	-	31.60	39.62	8.35	34.76
PK	11.5103G	55.66	74.00	-18.34	13.22	3	Horizontal	68	1.68	-	42.44	39.64	8.34	34.76
PK	17.27172G	63.81	68.20	-4.39	19.42	3	Horizontal	53	1.50	-	44.39	42.99	10.67	34.24

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/11/2019

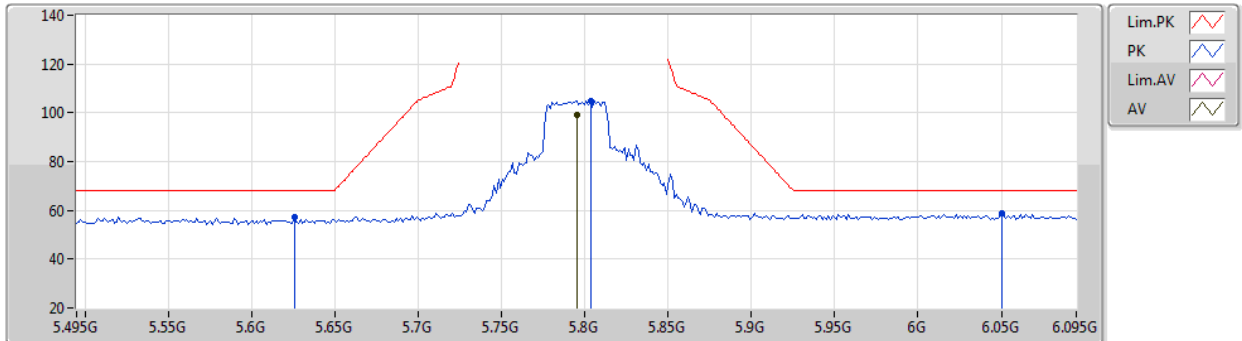


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.795G	89.50	Inf	-Inf	3.27	3	Vertical	133	1.99	-	86.23	32.28	5.80	34.81
PK	5.6822G	57.01	92.03	-35.02	2.94	3	Vertical	133	1.99	-	54.07	31.98	5.76	34.80
PK	5.8058G	95.91	Inf	-Inf	3.30	3	Vertical	133	1.99	-	92.61	32.31	5.80	34.81
PK	6.0302G	58.69	68.20	-9.51	3.75	3	Vertical	133	1.99	-	54.94	32.67	5.90	34.82

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/11/2019

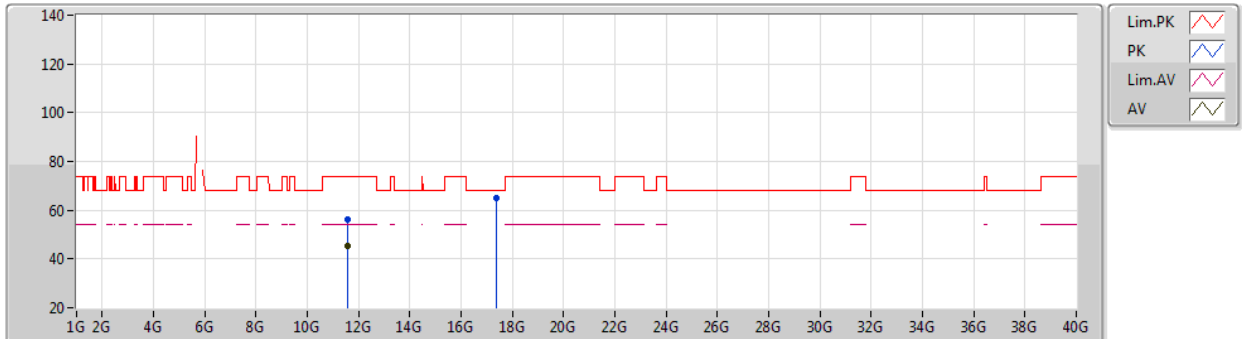


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.795G	98.91	Inf	-Inf	3.27	3	Horizontal	327	2.08	-	95.64	32.28	5.80	34.81
PK	5.6258G	57.40	68.20	-10.80	2.87	3	Horizontal	327	2.08	-	54.53	31.93	5.74	34.80
PK	5.8034G	104.95	Inf	-Inf	3.30	3	Horizontal	327	2.08	-	101.65	32.31	5.80	34.81
PK	6.0506G	58.78	68.20	-9.42	3.73	3	Horizontal	327	2.08	-	55.05	32.65	5.91	34.83

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/11/2019

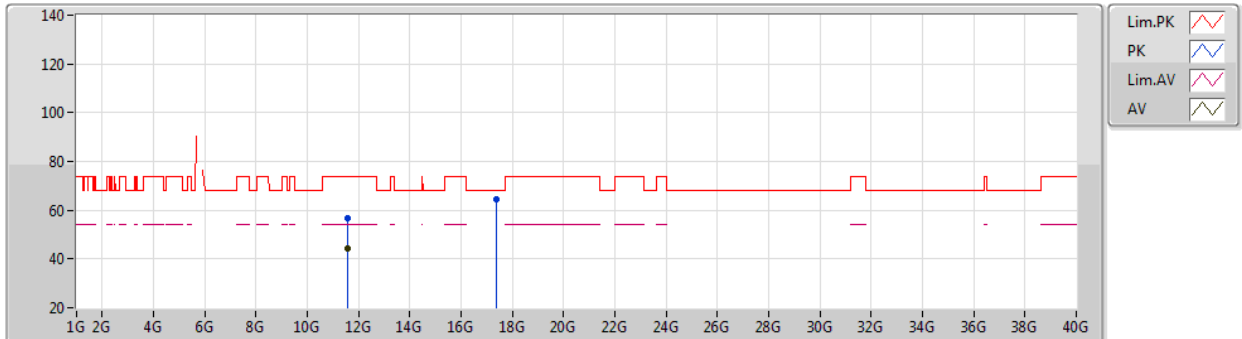


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57548G	45.49	54.00	-8.51	13.15	3	Vertical	170	1.35	-	32.34	39.55	8.37	34.77
PK	11.59834G	56.30	74.00	-17.70	13.12	3	Vertical	170	1.35	-	43.18	39.52	8.38	34.78
PK	17.38266G	64.79	68.20	-3.41	20.66	3	Vertical	260	2.40	-	44.13	44.21	10.69	34.24

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/11/2019

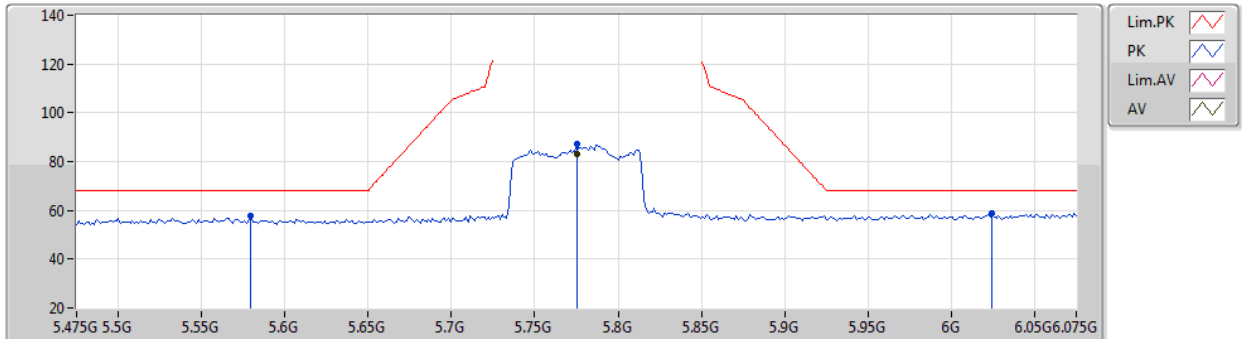


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	11.59G	56.70	74.00	-17.30	13.14	3	Horizontal	336	2.40	-	43.56	39.53	8.38	34.77
AV	11.59774G	44.49	54.00	-9.51	13.12	3	Horizontal	336	2.40	-	31.37	39.52	8.38	34.78
PK	17.37696G	64.50	68.20	-3.70	20.60	3	Horizontal	29	1.57	-	43.90	44.15	10.69	34.24

802.11ac VHT80_Nss1,(MCS0)_2TX

06/11/2019

5775MHz_TX

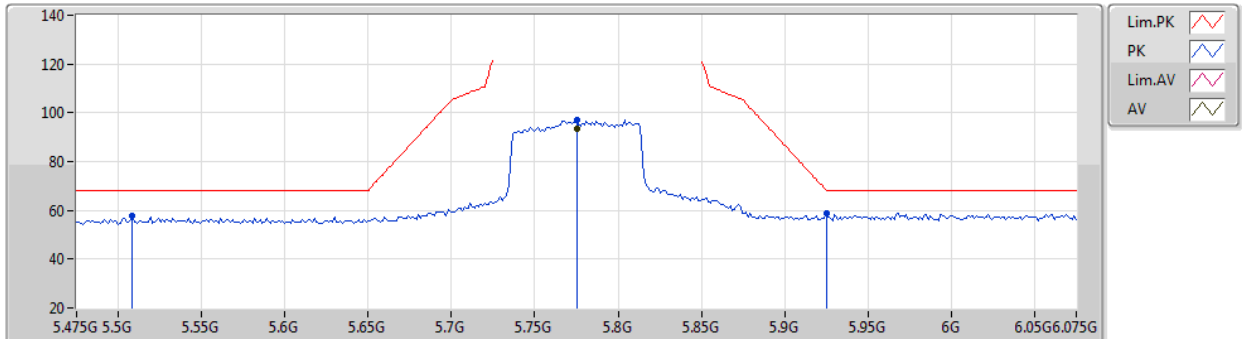


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.775G	83.24	Inf	-Inf	3.20	3	Vertical	135	1.35	-	80.04	32.22	5.79	34.81
PK	5.5794G	57.89	68.20	-10.31	2.82	3	Vertical	135	1.35	-	55.07	31.90	5.72	34.80
PK	5.775G	86.99	Inf	-Inf	3.20	3	Vertical	135	1.35	-	83.79	32.22	5.79	34.81
PK	6.0246G	58.89	68.20	-9.31	3.75	3	Vertical	135	1.35	-	55.14	32.68	5.89	34.82

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

06/11/2019

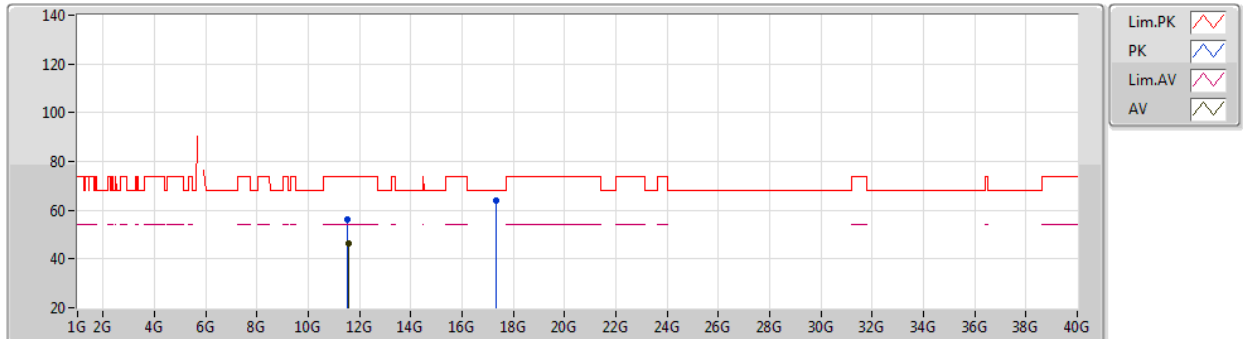


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.775G	93.64	Inf	-Inf	3.20	3	Horizontal	326	1.85	-	90.44	32.22	5.79	34.81
PK	5.5086G	57.56	68.20	-10.64	2.78	3	Horizontal	326	1.85	-	54.78	31.90	5.68	34.80
PK	5.775G	97.03	Inf	-Inf	3.20	3	Horizontal	326	1.85	-	93.83	32.22	5.79	34.81
PK	5.925G	58.67	68.20	-9.53	3.59	3	Horizontal	326	1.85	-	55.08	32.55	5.85	34.81

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

06/11/2019

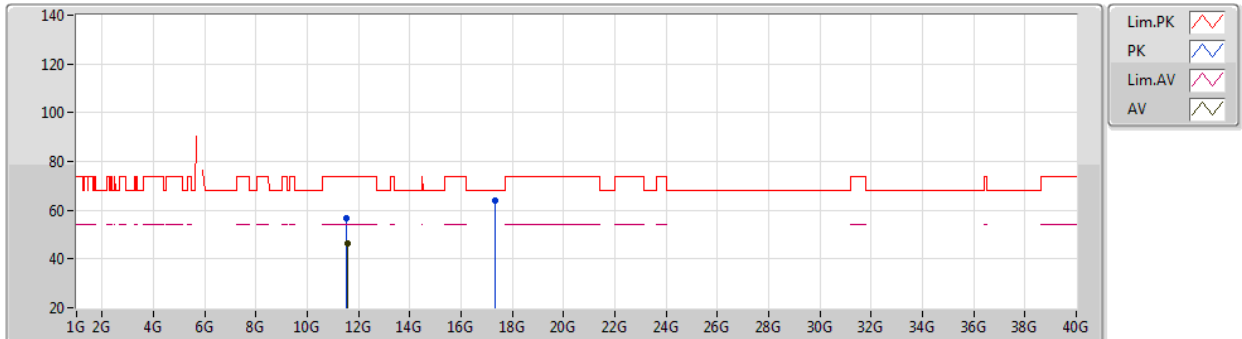


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.55096G	46.60	54.00	-7.40	13.17	3	Vertical	15	2.47	-	33.43	39.58	8.36	34.77
PK	11.5395G	56.30	74.00	-17.70	13.19	3	Vertical	15	2.47	-	43.11	39.60	8.36	34.77
PK	17.3364G	64.04	68.20	-4.16	20.14	3	Vertical	118	1.82	-	43.90	43.70	10.68	34.24

802.11ac VHT80_Nss1,(MCS0)_2TX

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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.562G	46.51	54.00	-7.49	13.16	3	Horizontal	70	1.02	-	33.35	39.57	8.36	34.77
PK	11.53956G	56.61	74.00	-17.39	13.19	3	Horizontal	70	1.02	-	43.42	39.60	8.36	34.77
PK	17.33418G	63.91	68.20	-4.29	20.12	3	Horizontal	16	2.34	-	43.79	43.68	10.68	34.24