

# FCC Test Report

**FCC ID** : MSQ-RTACRH00  
**Equipment** : Wireless-AC1300 Dual Band Gigabit Router  
**Brand Name** : ASUS  
**Model No.** : RT-AC58U, RT-AC58MU, RT-ACRH00, RT-AC1300G+, RT-AC1300GPLUS, RT-AC1300G PLUS, RT-AC1300UHP, RT-AC1300HP, RT-AC58UHP, RT-AC58HP, RT-AC53HP, RT-ACRH13, RT-AC1300GPLUS\_B1, RT-AC1200G+ B1  
**Applicant** : ASUSTeK Computer Inc  
4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan  
**Manufacturer 1** : ASUSTeK Computer Inc  
4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan  
**Manufacturer 2** : Kentec Inc.  
No. 5, Tzu-Chiang 1st Rd. Chungli Industrial Zone,  
Taoyuan Hsien, Taiwan  
**Standard** : 47 CFR FCC Part 15.407

This report was evaluated for permissive change. The product sample received on Dec. 27, 2017 and completely tested on Jan. 09, 2018. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

The test results in this 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.)



## **Table of Contents**

<b>1</b>	<b>GENERAL DESCRIPTION .....</b>	<b>5</b>
1.1	Information.....	5
1.2	Accessories .....	7
<b>2</b>	<b>TRANSMITTER TEST RESULT .....</b>	<b>8</b>
2.1	Unwanted Emissions.....	8

### **APPENDIX A\_RADIATED SPURIOUS EMISSION**

#### **PHOTOGRAPHS OF EUT V01**



## Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	15.203	Antenna Requirement	Complied
2	15.407(b)	Unwanted Emissions	Complied





# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX

Note:

- ♦ HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector
1	1	-	-	Dipole Antenna	I-PEX
2	2	-	-	Dipole Antenna	I-PEX
3	3	M.gear	C0959-510381-A	Dipole Antenna	I-PEX
4	4	M.gear	C0959-510382-A	Dipole Antenna	I-PEX
5	5	-	-	Dipole Antenna	I-PEX
6	6	-	-	Dipole Antenna	I-PEX
7	7	M.gear	C0959-510383-A	Dipole Antenna	I-PEX
8	8	M.gear	C0959-510384-A	Dipole Antenna	I-PEX

Ant.	Gain (dBi)	
	2.4G	5G
1	5.27	-
2	4.85	-
3	5.11	-
4	3.1	-
5	-	5.41
6	-	5.12
7	-	5.29
8	-	5.0

Note 1: The EUT has eight antennas.

**For 2.4GHz function:**

For IEEE 802.11 b/g/gn mode (2TX/2RX)

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

**For 5GHz function:**

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

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



### 1.1.3 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR5D1107-10AN

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

Modifications	Performance Checking
1. Adapter 5 was added	N/A
2. Updated U-NII-3 standard in Section 15.407 of 47 CFR FCC.	Unwanted emissions limit for UNII-3 Beamforming mode was updated

### 1.2 Accessories

Accessories				
AC Adapter 1	Brand Name	DVE	Model Name	DSA-18CB-12 FCA
	Part Number	-		
	Power Rating	I/P: 100 - 240Vac, 0.6A, O/P: 12Vdc, 1.5A		
	Power Cord	1. 45 meter, non-shielded cable, w/o ferrite core		
AC Adapter 2	Brand Name	APD	Model Name	WB-18D12R
	Part Number	4750-02600000-50U		
	Power Rating	I/P: 100 - 240Vac, 0.5A, O/P: 12Vdc, 1.5A		
	Power Cord	1. 5 meter, non-shielded cable, w/o ferrite core		
AC Adapter 3	Brand Name	DVE	Model Name	DSA-18PFM-12 FUS
	Part Number	4720-01600018-50Z		
	Power Rating	I/P: 100 - 240Vac, 0.6A, O/P: 12Vdc, 1.5A		
	Brand Name	DVE		
RJ45 Cable	Power Cord	1 meter, non-shielded cable		
AC Adapter 4	Brand Name	DVE	Model Name	DSA-18PFR-12 FUS 120150
	Power Rating	I/P:100 - 240 Vac,0.6A, O/P:12 Vdc,1.5A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		
AC Adapter 5	Brand Name	APD	Model Name	WB-18D12FU
	Power Rating	I/P: 100 - 240 Vac, 0.5A, O/P: 12 Vdc, 1.5A		
	Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		

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



## 2 Transmitter Test Result

### 2.1 Unwanted Emissions

#### 2.1.1 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).

### 2.1.2 Measuring Instruments

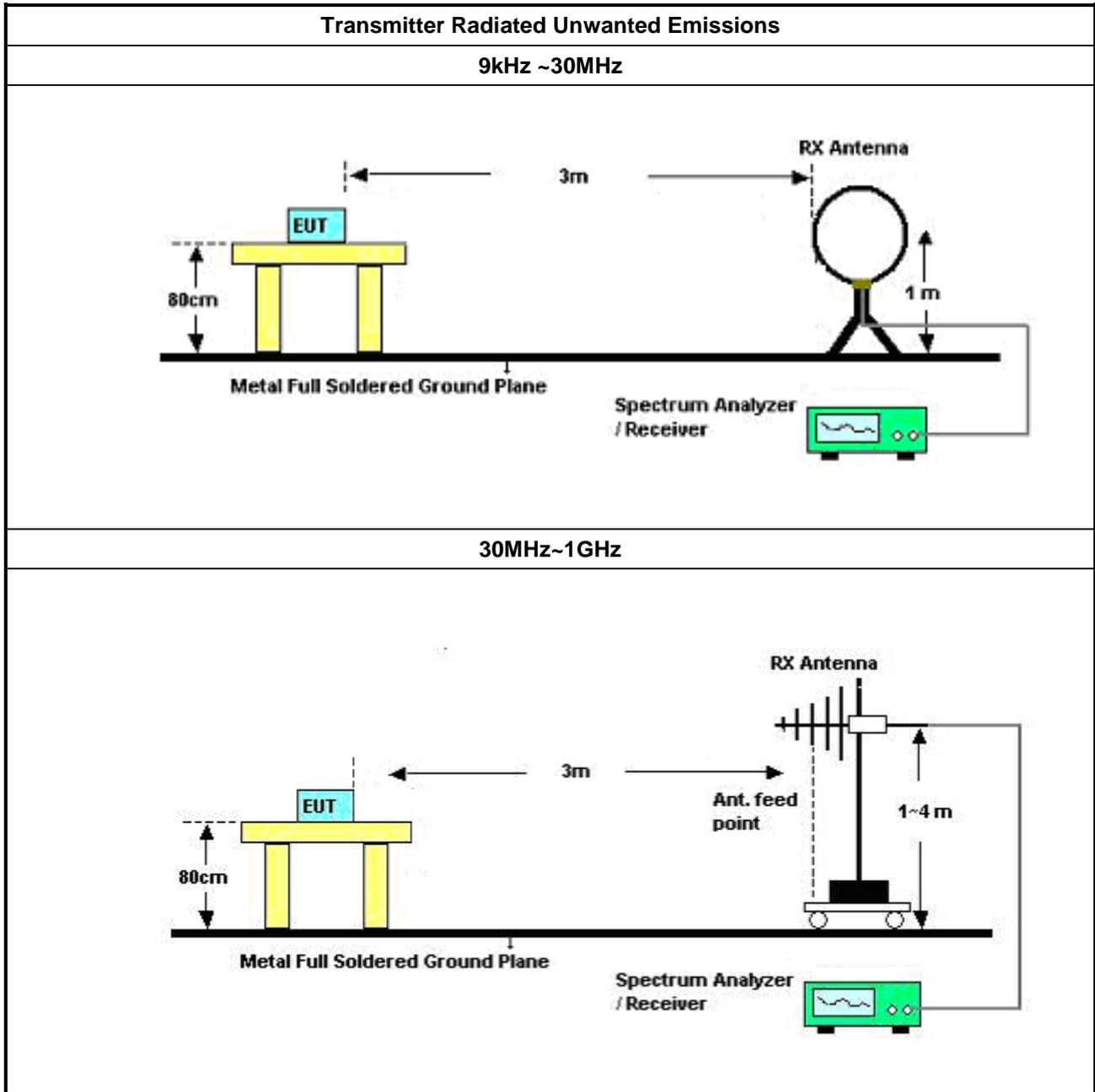
Refer a test equipment and calibration data table in this test report.

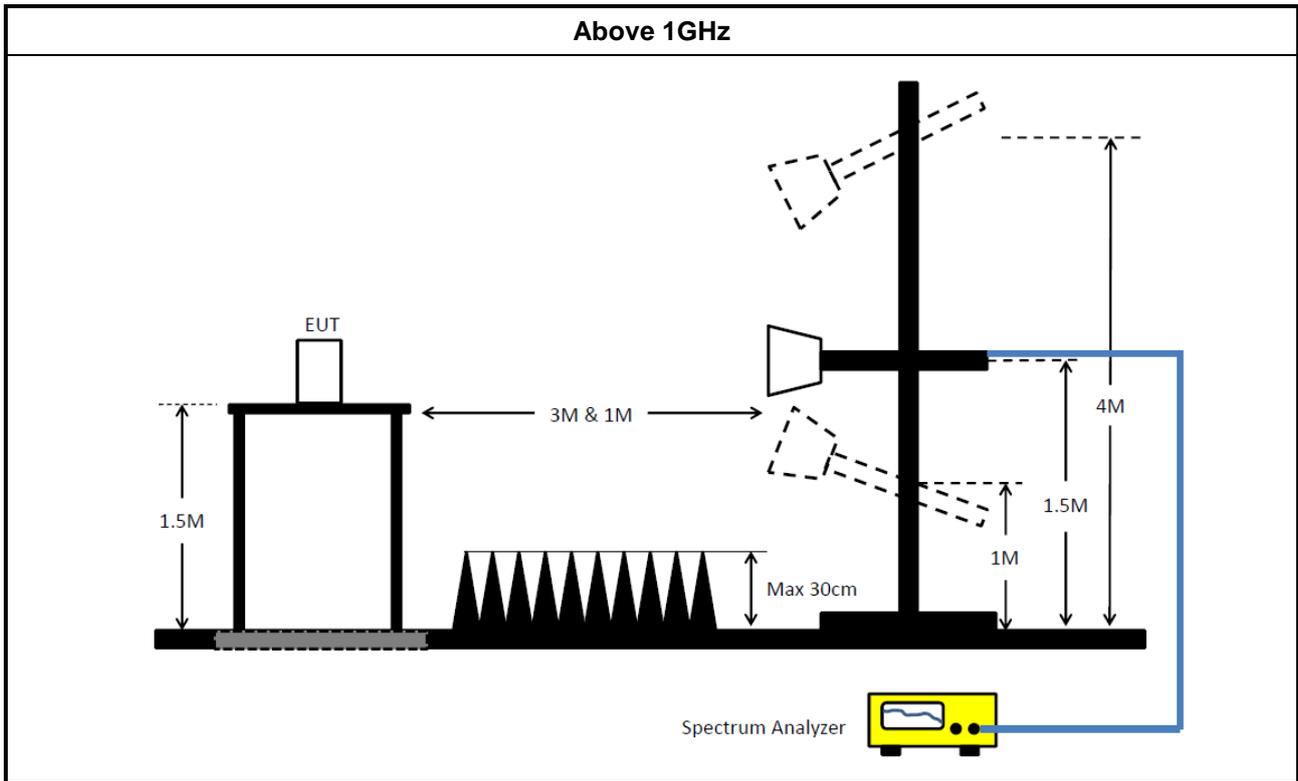


2.1.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ 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).</li> </ul>	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer asKDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.</li> </ul>
	<input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	<input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ For radiated measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>
<ul style="list-style-type: none"> <li>▪ The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>	

2.1.4 Test Setup





### 2.1.5 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.

### 2.1.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

————THE END————



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	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.148G	52.72	54.00	-1.28	6.59	3	Vertical	179	1.49	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.149995G	51.74	54.00	-2.26	2.75	3	Vertical	109	1.56	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.149995G	52.75	54.00	-1.25	2.73	3	Vertical	263	1.50	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	11.6517G	51.47	54.00	-2.53	15.65	3	Vertical	334	3.02	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.621G	65.25	68.20	-2.95	7.55	3	Vertical	159	1.82	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6442G	66.04	68.20	-2.16	7.60	3	Vertical	156	1.27	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.148G	52.72	54.00	-1.28	6.59	3	Vertical	179	1.49	-
5180MHz	Pass	AV	5.173G	110.30	Inf	-Inf	6.64	3	Vertical	179	1.49	-
5180MHz	Pass	PK	5.1486G	72.09	74.00	-1.91	6.59	3	Vertical	179	1.49	-
5180MHz	Pass	PK	5.1724G	120.92	Inf	-Inf	6.63	3	Vertical	179	1.49	-
5180MHz	Pass	PK	10.362236G	56.52	68.20	-11.68	15.30	3	Horizontal	333	1.83	-
5180MHz	Pass	PK	10.359721G	57.02	68.20	-11.18	15.30	3	Vertical	147	1.06	-
5200MHz	Pass	AV	5.149995G	48.84	54.00	-5.16	6.59	3	Vertical	161	1.50	-
5200MHz	Pass	AV	5.192G	112.14	Inf	-Inf	6.67	3	Vertical	161	1.50	-
5200MHz	Pass	PK	5.148G	65.66	74.00	-8.34	6.59	3	Vertical	161	1.50	-
5200MHz	Pass	PK	5.1964G	123.21	Inf	-Inf	6.68	3	Vertical	161	1.50	-
5200MHz	Pass	PK	10.400304G	54.37	68.20	-13.83	12.10	3	Horizontal	340	2.44	-
5200MHz	Pass	PK	10.403194G	57.76	68.20	-10.44	15.36	3	Vertical	223	1.50	-
5240MHz	Pass	AV	5.1356G	47.30	54.00	-6.70	6.56	3	Vertical	180	1.55	-
5240MHz	Pass	AV	5.2442G	113.02	Inf	-Inf	6.78	3	Vertical	180	1.55	-
5240MHz	Pass	AV	5.3762G	47.64	54.00	-6.36	7.04	3	Vertical	180	1.55	-
5240MHz	Pass	PK	5.1386G	63.00	74.00	-11.00	6.57	3	Vertical	180	1.55	-
5240MHz	Pass	PK	5.2454G	124.15	Inf	-Inf	6.78	3	Vertical	180	1.55	-
5240MHz	Pass	PK	5.3582G	61.14	74.00	-12.86	7.01	3	Vertical	180	1.55	-
5240MHz	Pass	PK	10.475888G	57.09	68.20	-11.11	15.45	3	Horizontal	337	2.02	-
5240MHz	Pass	PK	10.479242G	56.99	68.20	-11.21	15.46	3	Vertical	152	1.38	-
5745MHz	Pass	AV	5.7534G	112.72	Inf	-Inf	7.84	3	Vertical	154	1.61	-
5745MHz	Pass	PK	5.625G	60.84	68.20	-7.36	7.55	3	Vertical	154	1.61	-
5745MHz	Pass	PK	5.751G	123.60	Inf	-Inf	7.84	3	Vertical	154	1.61	-
5745MHz	Pass	PK	5.9694G	60.64	68.20	-7.56	8.32	3	Vertical	154	1.61	-
5745MHz	Pass	AV	11.490998G	43.97	54.00	-10.03	15.77	3	Horizontal	159	1.10	-
5745MHz	Pass	PK	11.486208G	57.91	74.00	-16.09	15.78	3	Horizontal	159	1.10	-
5745MHz	Pass	AV	11.48988G	45.86	54.00	-8.14	15.77	3	Vertical	222	1.06	-
5745MHz	Pass	PK	11.485968G	59.97	74.00	-14.03	15.78	3	Vertical	222	1.06	-
5785MHz	Pass	AV	5.7838G	112.86	Inf	-Inf	7.91	3	Vertical	178	2.06	-
5785MHz	Pass	PK	5.5834G	60.84	68.20	-7.36	7.46	3	Vertical	178	2.06	-
5785MHz	Pass	PK	5.7802G	124.33	Inf	-Inf	7.90	3	Vertical	178	2.06	-
5785MHz	Pass	PK	5.9374G	60.83	68.20	-7.37	8.25	3	Vertical	178	2.06	-
5785MHz	Pass	AV	11.5709G	44.19	54.00	-9.81	15.71	3	Horizontal	155	1.33	-
5785MHz	Pass	PK	11.5688G	58.45	74.00	-15.55	15.71	3	Horizontal	155	1.33	-
5785MHz	Pass	AV	11.5693G	50.13	54.00	-3.87	15.71	3	Vertical	34	2.46	-
5785MHz	Pass	PK	11.57569G	64.81	74.00	-9.19	15.71	3	Vertical	34	2.46	-
5825MHz	Pass	AV	5.8178G	112.63	Inf	-Inf	7.99	3	Vertical	161	1.50	-
5825MHz	Pass	PK	5.6438G	63.92	68.20	-4.28	7.60	3	Vertical	161	1.50	-
5825MHz	Pass	PK	5.8178G	123.53	Inf	-Inf	7.99	3	Vertical	161	1.50	-
5825MHz	Pass	PK	5.939G	60.76	68.20	-7.44	8.26	3	Vertical	161	1.50	-
5825MHz	Pass	AV	11.6518G	45.76	54.00	-8.24	15.65	3	Horizontal	29	1.64	-
5825MHz	Pass	PK	11.6506G	59.67	74.00	-14.33	15.65	3	Horizontal	29	1.64	-
5825MHz	Pass	AV	11.6517G	51.47	54.00	-2.53	15.65	3	Vertical	334	3.02	-
5825MHz	Pass	PK	11.66118G	66.16	74.00	-7.84	15.64	3	Vertical	334	3.02	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	51.74	54.00	-2.26	2.75	3	Vertical	109	1.56	-
5190MHz	Pass	AV	5.1876G	102.20	Inf	-Inf	2.80	3	Vertical	109	1.56	-

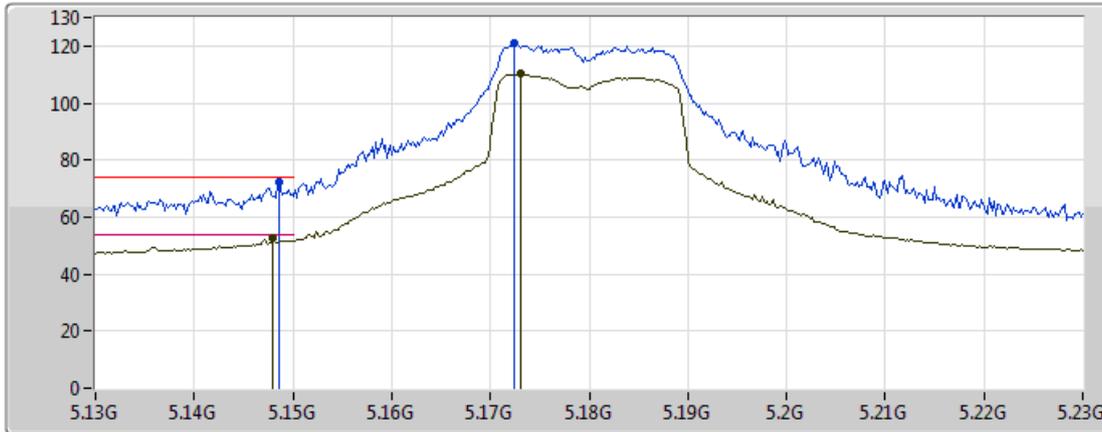


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	5.14G	68.25	74.00	-5.75	2.74	3	Vertical	109	1.56	-
5190MHz	Pass	PK	5.1872G	112.49	Inf	-Inf	2.80	3	Vertical	109	1.56	-
5190MHz	Pass	AV	15.55692G	46.70	54.00	-7.30	14.06	3	Horizontal	46	1.04	-
5190MHz	Pass	PK	15.56634G	60.02	74.00	-13.98	14.02	3	Horizontal	46	1.04	-
5190MHz	Pass	AV	15.55542G	45.70	54.00	-8.30	14.07	3	Vertical	13	2.20	-
5190MHz	Pass	PK	15.57132G	59.57	74.00	-14.43	13.99	3	Vertical	13	2.20	-
5230MHz	Pass	AV	5.1476G	51.41	54.00	-2.59	6.59	3	Vertical	333	1.50	-
5230MHz	Pass	AV	5.228G	108.51	Inf	-Inf	6.75	3	Vertical	333	1.50	-
5230MHz	Pass	PK	5.1476G	65.87	74.00	-8.13	6.59	3	Vertical	333	1.50	-
5230MHz	Pass	PK	5.2312G	119.38	Inf	-Inf	6.75	3	Vertical	333	1.50	-
5230MHz	Pass	PK	10.46016G	56.29	68.20	-11.91	15.43	3	Horizontal	357	1.47	-
5230MHz	Pass	PK	10.461028G	56.29	68.20	-11.91	15.43	3	Vertical	222	1.50	-
5755MHz	Pass	AV	5.7586G	109.07	Inf	-Inf	7.85	3	Vertical	156	1.68	-
5755MHz	Pass	PK	5.6434G	64.91	68.20	-3.29	7.60	3	Vertical	156	1.68	-
5755MHz	Pass	PK	5.7514G	120.05	Inf	-Inf	7.84	3	Vertical	156	1.68	-
5755MHz	Pass	PK	5.9722G	64.53	68.20	-3.67	8.33	3	Vertical	156	1.68	-
5755MHz	Pass	AV	11.52856G	43.07	54.00	-10.93	15.74	3	Horizontal	158	1.50	-
5755MHz	Pass	PK	11.50421G	55.65	74.00	-18.35	15.76	3	Horizontal	158	1.50	-
5755MHz	Pass	AV	11.52836G	42.89	54.00	-11.11	15.74	3	Vertical	20	1.50	-
5755MHz	Pass	PK	11.50441G	55.82	74.00	-18.18	15.76	3	Vertical	20	1.50	-
5795MHz	Pass	AV	5.7986G	112.55	Inf	-Inf	7.95	3	Vertical	159	1.82	-
5795MHz	Pass	PK	5.621G	65.25	68.20	-2.95	7.55	3	Vertical	159	1.82	-
5795MHz	Pass	PK	5.7974G	120.69	Inf	-Inf	7.94	3	Vertical	159	1.82	-
5795MHz	Pass	PK	5.9306G	65.07	68.20	-3.13	8.24	3	Vertical	159	1.82	-
5795MHz	Pass	AV	11.60916G	46.23	54.00	-7.77	15.68	3	Horizontal	14	1.90	-
5795MHz	Pass	PK	11.60737G	58.11	74.00	-15.89	15.68	3	Horizontal	14	1.90	-
5795MHz	Pass	AV	11.60557G	47.60	54.00	-6.40	15.69	3	Vertical	331	1.46	-
5795MHz	Pass	PK	11.60617G	60.02	74.00	-13.98	15.69	3	Vertical	331	1.46	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149995G	52.75	54.00	-1.25	2.73	3	Vertical	263	1.50	-
5210MHz	Pass	AV	5.222G	95.76	Inf	-Inf	2.77	3	Vertical	263	1.50	-
5210MHz	Pass	AV	5.350005G	43.24	54.00	-10.76	2.85	3	Vertical	263	1.50	-
5210MHz	Pass	PK	5.149G	65.82	74.00	-8.18	2.73	3	Vertical	263	1.50	-
5210MHz	Pass	PK	5.216G	110.65	Inf	-Inf	2.77	3	Vertical	263	1.50	-
5210MHz	Pass	PK	5.38G	55.69	74.00	-18.31	2.87	3	Vertical	263	1.50	-
5210MHz	Pass	PK	10.42204G	54.85	68.20	-13.35	12.50	3	Horizontal	168	2.34	-
5210MHz	Pass	PK	10.40602G	55.20	68.20	-13.00	12.46	3	Vertical	125	1.50	-
5775MHz	Pass	AV	5.763G	102.04	Inf	-Inf	7.86	3	Vertical	156	1.27	-
5775MHz	Pass	PK	5.6442G	66.04	68.20	-2.16	7.60	3	Vertical	156	1.27	-
5775MHz	Pass	PK	5.7906G	115.93	Inf	-Inf	7.93	3	Vertical	156	1.27	-
5775MHz	Pass	PK	5.9298G	62.40	68.20	-5.80	8.24	3	Vertical	156	1.27	-
5775MHz	Pass	AV	11.56766G	41.45	54.00	-12.55	15.71	3	Horizontal	107	1.01	-
5775MHz	Pass	PK	11.52705G	55.11	74.00	-18.89	15.74	3	Horizontal	107	1.01	-
5775MHz	Pass	AV	11.56876G	43.74	54.00	-10.26	15.71	3	Vertical	335	1.01	-
5775MHz	Pass	PK	11.57395G	56.75	74.00	-17.25	15.71	3	Vertical	335	1.01	-

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5180MHz\_BF TX

08/01/2018



Legend:

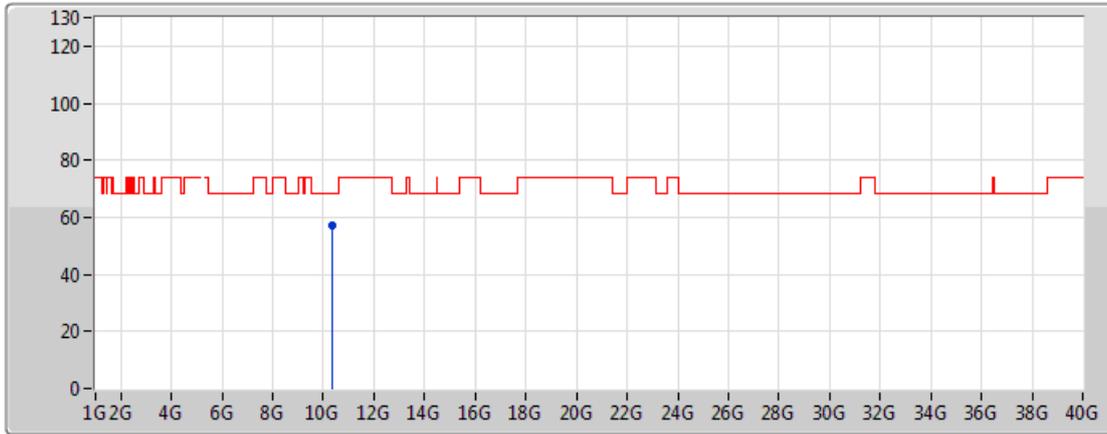
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.148G	52.72	54.00	-1.28	6.59	3	Vertical	179	1.49	-	46.13	31.68	4.72	29.81
AV	5.173G	110.30	Inf	-Inf	6.64	3	Vertical	179	1.49	-	103.67	31.71	4.74	29.81
PK	5.1486G	72.09	74.00	-1.91	6.59	3	Vertical	179	1.49	-	65.50	31.68	4.72	29.81
PK	5.1724G	120.92	Inf	-Inf	6.63	3	Vertical	179	1.49	-	114.28	31.71	4.74	29.81

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5180MHz\_BF TX

08/01/2018



Lim.PK  
 PK

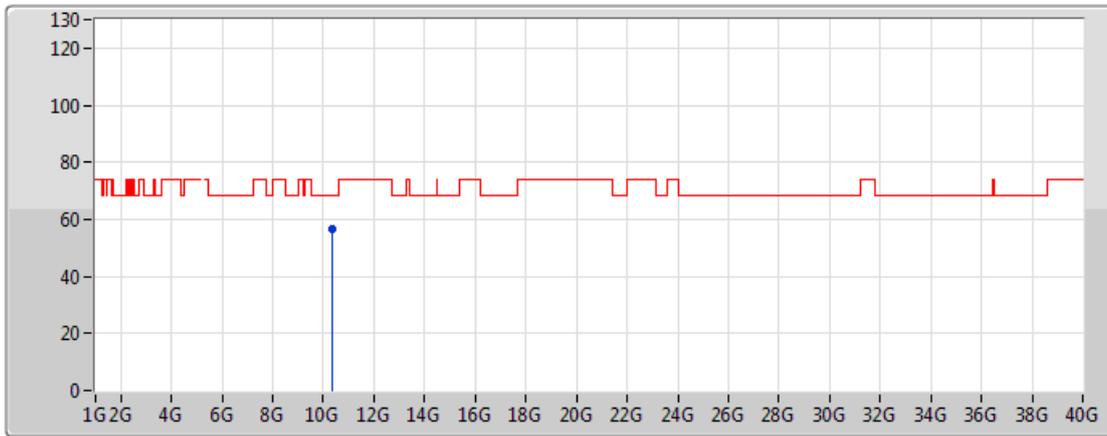
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.359721G	57.02	68.20	-11.18	15.30	3	Vertical	147	1.06	-	41.72	39.17	7.16	31.03

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5180MHz\_BF TX

08/01/2018

Lim.PK   
 PK 

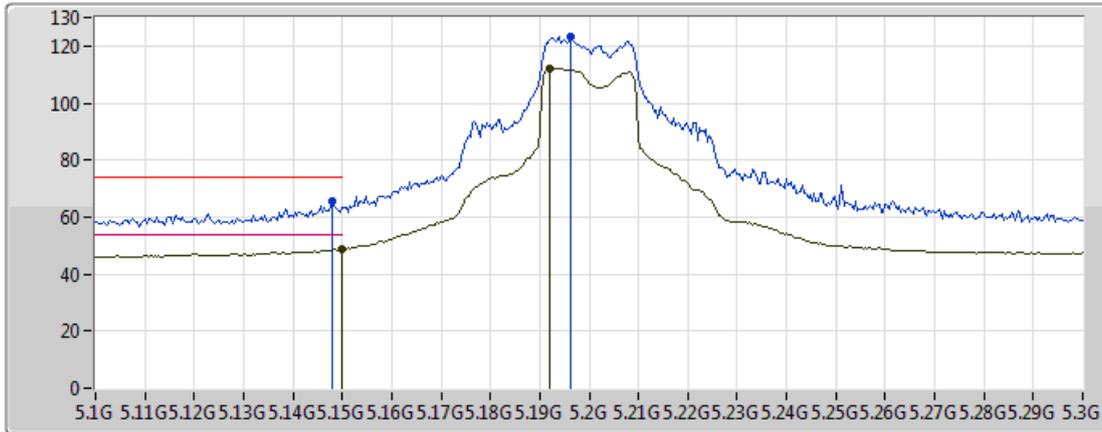


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.362236G	56.52	68.20	-11.68	15.30	3	Horizontal	333	1.83	-	41.22	39.17	7.16	31.03

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5200MHz\_BF TX

08/01/2018



Legend for plot:

- Lim.PK 
- PK 
- Lim.AV 
- AV 

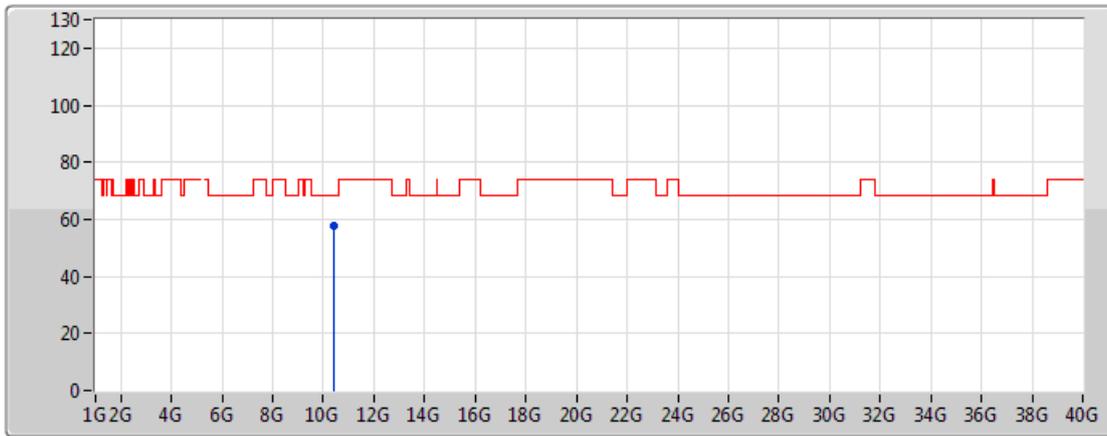
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	48.84	54.00	-5.16	6.59	3	Vertical	161	1.50	-	42.25	31.68	4.72	29.81
AV	5.192G	112.14	Inf	-Inf	6.67	3	Vertical	161	1.50	-	105.47	31.73	4.75	29.81
PK	5.148G	65.66	74.00	-8.34	6.59	3	Vertical	161	1.50	-	59.08	31.68	4.72	29.81
PK	5.1964G	123.21	Inf	-Inf	6.68	3	Vertical	161	1.50	-	116.53	31.74	4.76	29.81

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5200MHz\_BF TX

08/01/2018

Lim.PK  
 PK

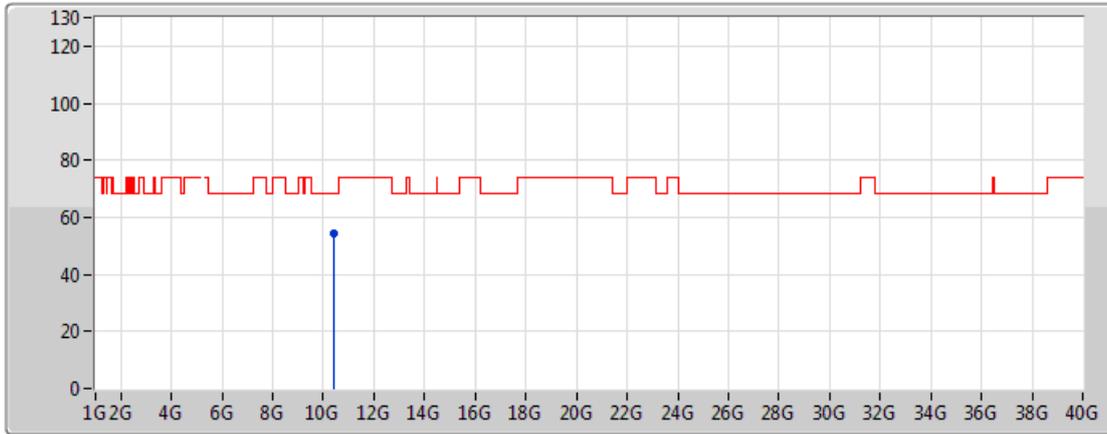


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.403194G	57.76	68.20	-10.44	15.36	3	Vertical	223	1.50	-	42.40	39.22	7.17	31.04

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5200MHz\_BF TX

08/01/2018



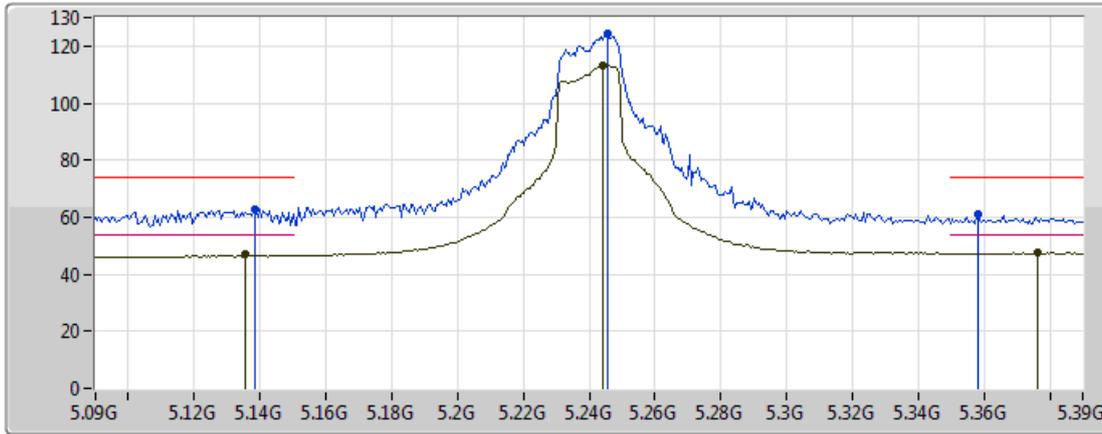
Lim.PK   
 PK 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.400304G	54.37	68.20	-13.83	12.10	3	Horizontal	340	2.44	-	42.27	39.22	7.95	35.07

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5240MHz\_BF TX

08/01/2018

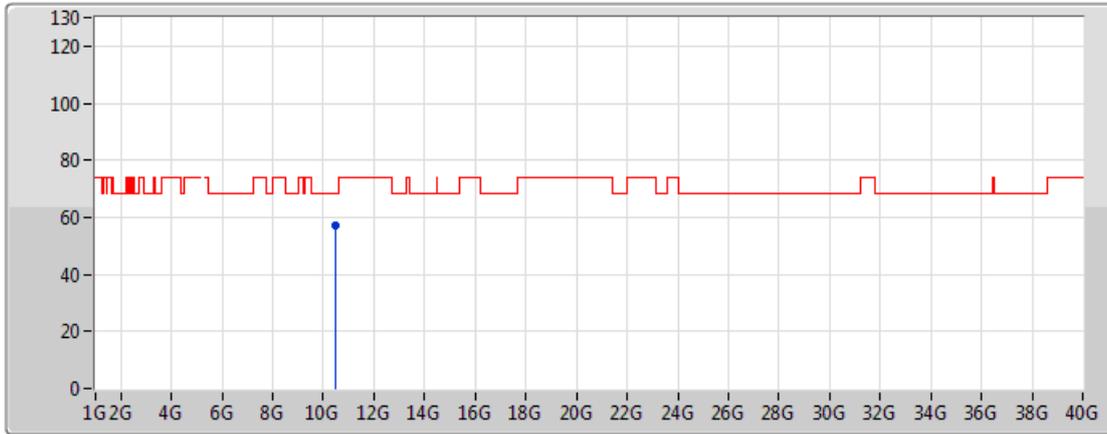


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1356G	47.30	54.00	-6.70	6.56	3	Vertical	180	1.55	-	40.74	31.66	4.71	29.81
AV	5.2442G	113.02	Inf	-Inf	6.78	3	Vertical	180	1.55	-	106.24	31.79	4.79	29.81
AV	5.3762G	47.64	54.00	-6.36	7.04	3	Vertical	180	1.55	-	40.59	31.95	4.89	29.80
PK	5.1386G	63.00	74.00	-11.00	6.57	3	Vertical	180	1.55	-	56.43	31.67	4.71	29.81
PK	5.2454G	124.15	Inf	-Inf	6.78	3	Vertical	180	1.55	-	117.37	31.79	4.79	29.81
PK	5.3582G	61.14	74.00	-12.86	7.01	3	Vertical	180	1.55	-	54.13	31.93	4.88	29.80

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5240MHz\_BF TX

08/01/2018



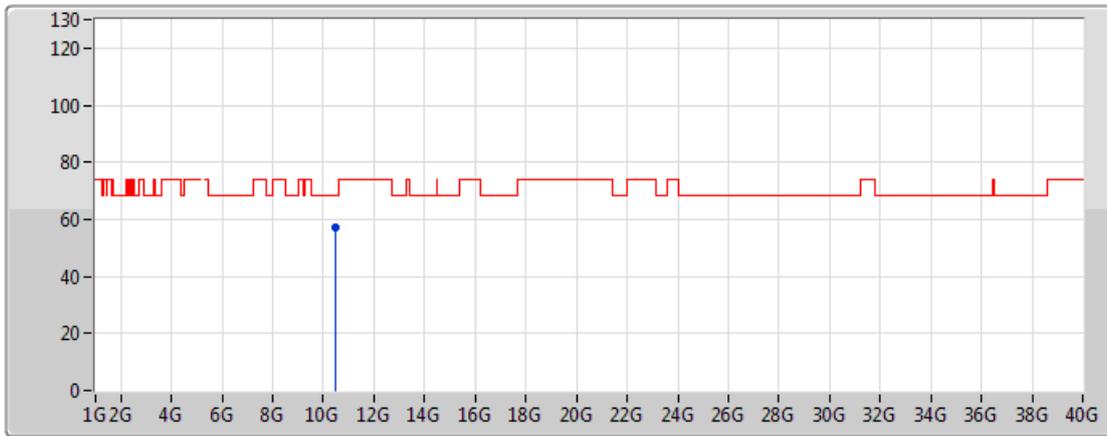
Lim.PK  
 PK

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.479242G	56.99	68.20	-11.21	15.46	3	Vertical	152	1.38	-	41.53	39.32	7.19	31.06

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5240MHz\_BF TX

08/01/2018



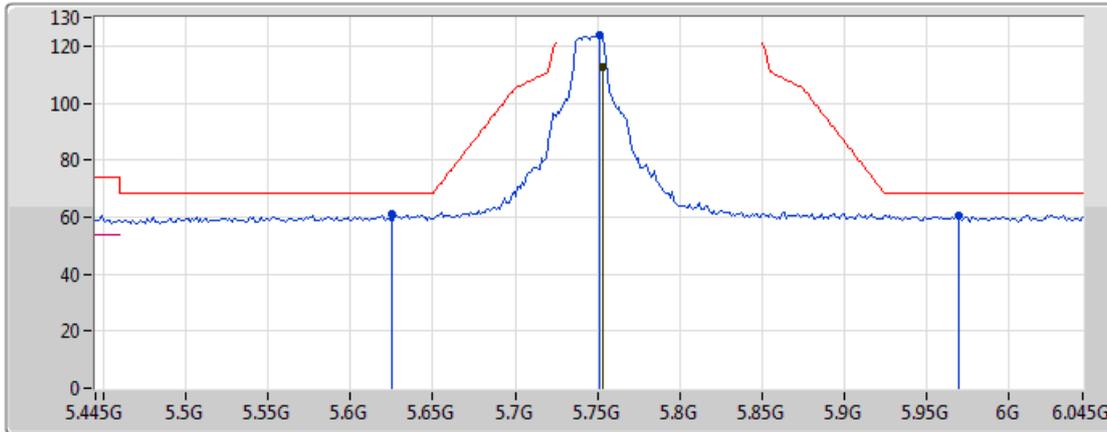
Lim.PK  
 PK

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.475888G	57.09	68.20	-11.11	15.45	3	Horizontal	337	2.02	-	41.64	39.32	7.19	31.05

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5745MHz\_BF TX

08/01/2018



Legend for the spectrum plot:

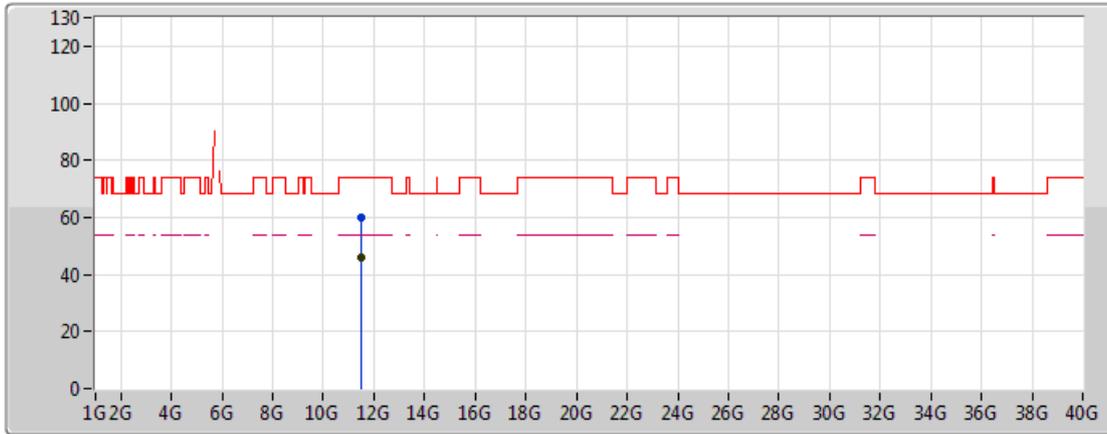
- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Red line with a valley icon
- AV: Blue line with a valley icon

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7534G	112.72	Inf	-Inf	7.84	3	Vertical	154	1.61	-	104.88	32.40	5.31	29.87
PK	5.625G	60.84	68.20	-7.36	7.55	3	Vertical	154	1.61	-	53.28	32.25	5.14	29.84
PK	5.751G	123.60	Inf	-Inf	7.84	3	Vertical	154	1.61	-	115.76	32.40	5.31	29.87
PK	5.9694G	60.64	68.20	-7.56	8.32	3	Vertical	154	1.61	-	52.32	32.66	5.59	29.93

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5745MHz\_BF TX

08/01/2018



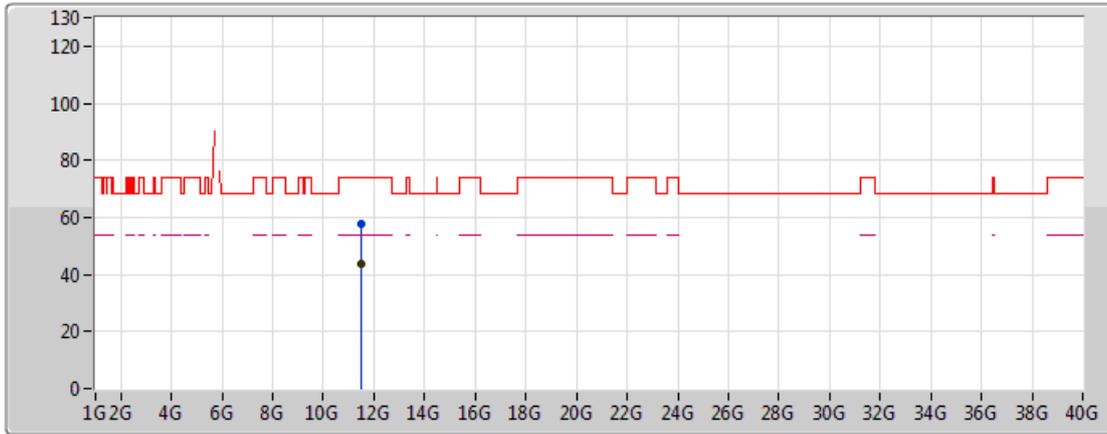
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48988G	45.86	54.00	-8.14	15.77	3	Vertical	222	1.06	-	30.09	39.41	7.47	31.11
PK	11.485968G	59.97	74.00	-14.03	15.78	3	Vertical	222	1.06	-	44.19	39.42	7.47	31.11

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5745MHz\_BF TX

08/01/2018



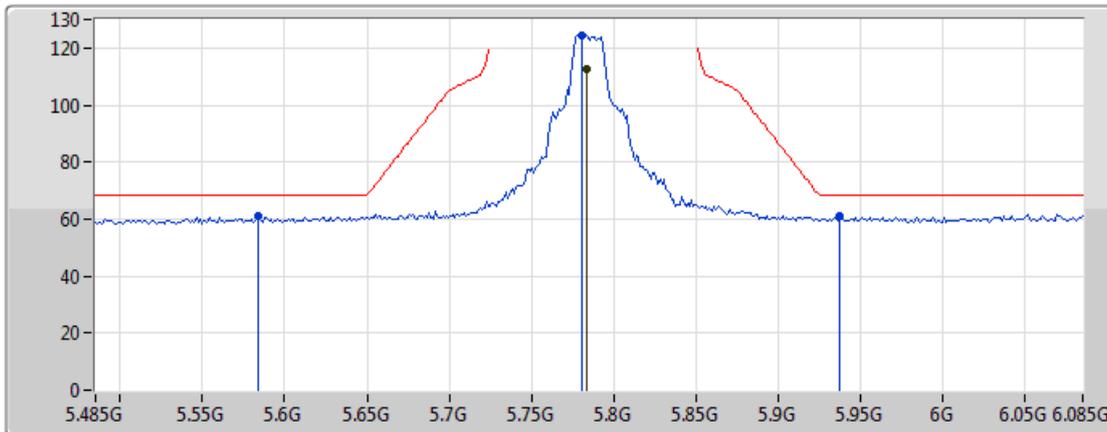
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.490998G	43.97	54.00	-10.03	15.77	3	Horizontal	159	1.10	-	28.20	39.41	7.47	31.11
PK	11.486208G	57.91	74.00	-16.09	15.78	3	Horizontal	159	1.10	-	42.13	39.42	7.47	31.11

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5785MHz\_BF TX

08/01/2018



Legend for the spectrum plot:

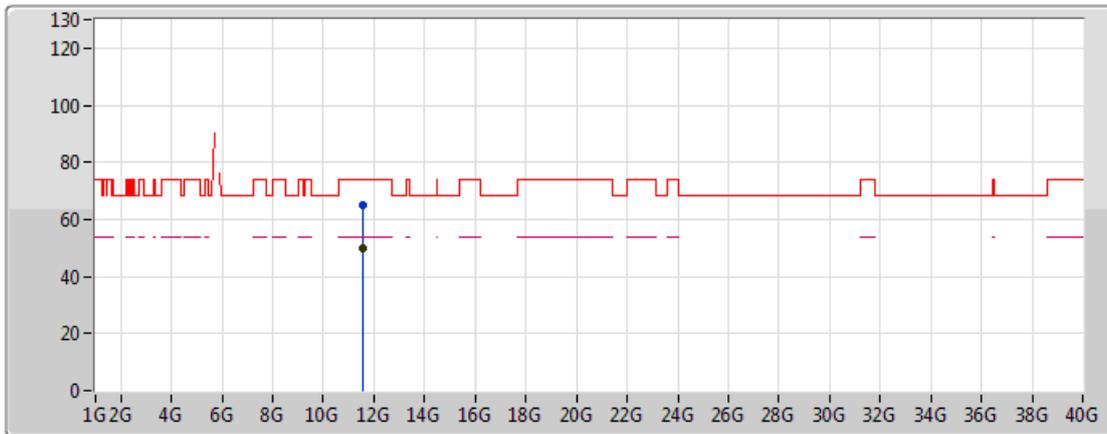
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7838G	112.86	Inf	-Inf	7.91	3	Vertical	178	2.06	-	104.95	32.44	5.35	29.88
PK	5.5834G	60.84	68.20	-7.36	7.46	3	Vertical	178	2.06	-	53.38	32.20	5.09	29.83
PK	5.7802G	124.33	Inf	-Inf	7.90	3	Vertical	178	2.06	-	116.42	32.44	5.34	29.88
PK	5.9374G	60.83	68.20	-7.37	8.25	3	Vertical	178	2.06	-	52.58	32.62	5.55	29.92

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5785MHz\_BF TX

08/01/2018



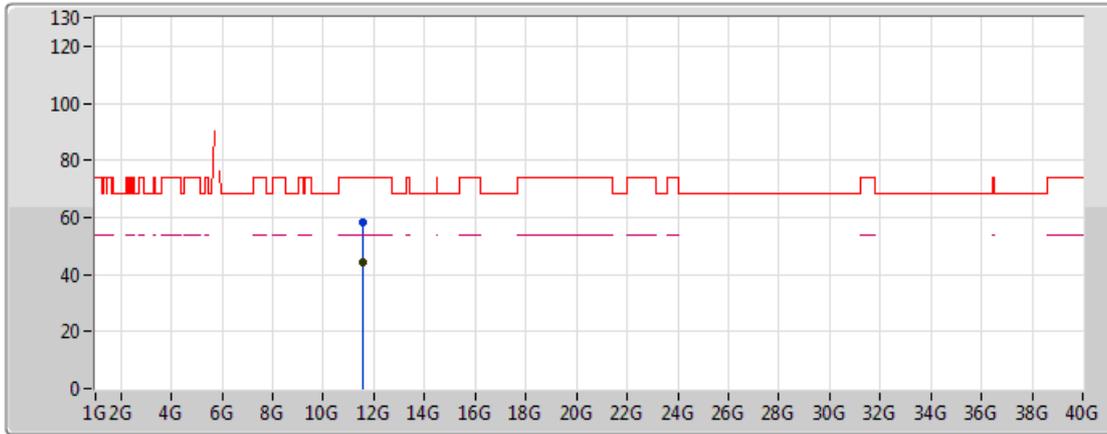
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5693G	50.13	54.00	-3.87	15.71	3	Vertical	34	2.46	-	34.42	39.32	7.50	31.10
PK	11.57569G	64.81	74.00	-9.19	15.71	3	Vertical	34	2.46	-	49.10	39.31	7.50	31.10

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5785MHz\_BF TX

08/01/2018



Legend:

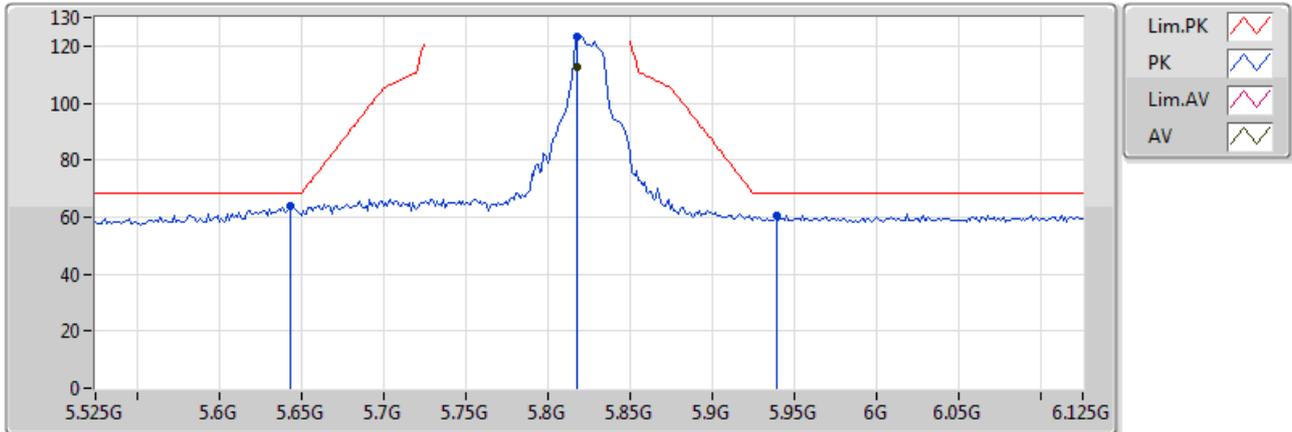
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5709G	44.19	54.00	-9.81	15.71	3	Horizontal	155	1.33	-	28.48	39.31	7.50	31.10
PK	11.5688G	58.45	74.00	-15.55	15.71	3	Horizontal	155	1.33	-	42.74	39.32	7.50	31.10

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5825MHz\_BF TX

08/01/2018

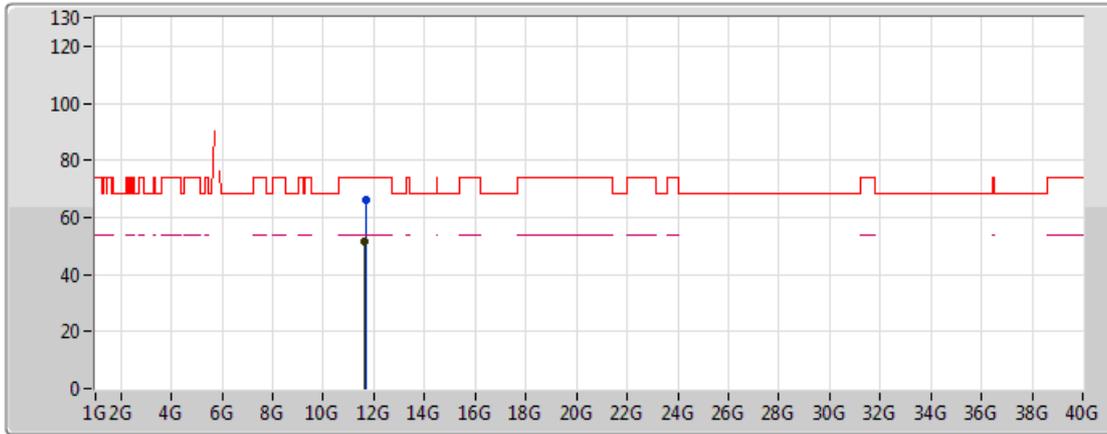


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8178G	112.63	Inf	-Inf	7.99	3	Vertical	161	1.50	-	104.65	32.48	5.39	29.89
PK	5.8178G	123.53	Inf	-Inf	7.99	3	Vertical	161	1.50	-	115.54	32.48	5.39	29.89
PK	5.6438G	63.92	68.20	-4.28	7.60	3	Vertical	161	1.50	-	56.32	32.27	5.17	29.84
PK	5.939G	60.76	68.20	-7.44	8.26	3	Vertical	161	1.50	-	52.51	32.63	5.55	29.92

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5825MHz\_BF TX

08/01/2018



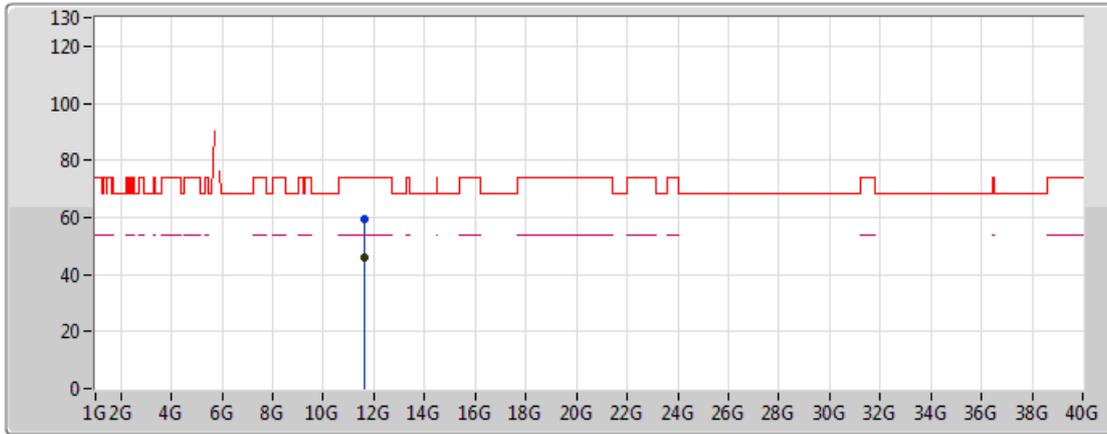
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.6517G	51.47	54.00	-2.53	15.65	3	Vertical	334	3.02	-	35.82	39.22	7.53	31.09
PK	11.66118G	66.16	74.00	-7.84	15.64	3	Vertical	334	3.02	-	50.52	39.21	7.53	31.09

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 5825MHz\_BF TX

08/01/2018



Legend for the spectrum plot:

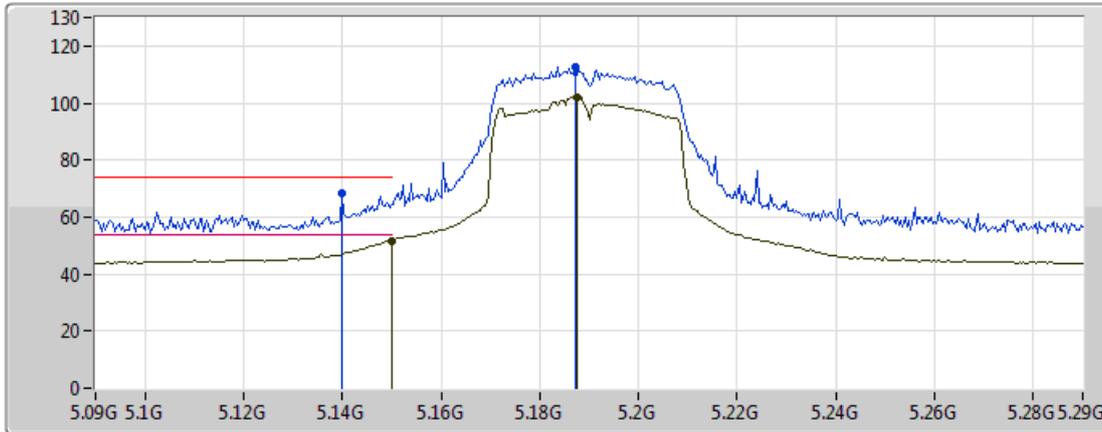
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.6518G	45.76	54.00	-8.24	15.65	3	Horizontal	29	1.64	-	30.11	39.22	7.53	31.09
PK	11.6506G	59.67	74.00	-14.33	15.65	3	Horizontal	29	1.64	-	44.02	39.22	7.52	31.09

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5190MHz\_BF TX

09/01/2018



Legend for the spectrum plot:

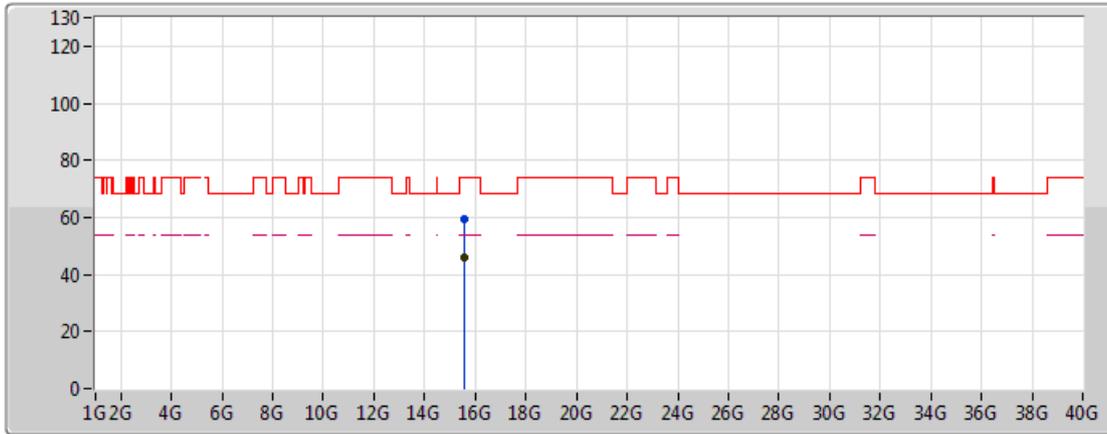
- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Red line with a valley icon
- AV: Green line with a valley icon

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	51.74	54.00	-2.26	2.75	3	Vertical	109	1.56	-	48.99	31.68	5.62	34.55
AV	5.1876G	102.20	Inf	-Inf	2.80	3	Vertical	109	1.56	-	99.40	31.73	5.63	34.55
PK	5.14G	68.25	74.00	-5.75	2.74	3	Vertical	109	1.56	-	65.51	31.67	5.62	34.55
PK	5.1872G	112.49	Inf	-Inf	2.80	3	Vertical	109	1.56	-	109.69	31.72	5.63	34.55

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5190MHz\_BF TX

09/01/2018



Legend:

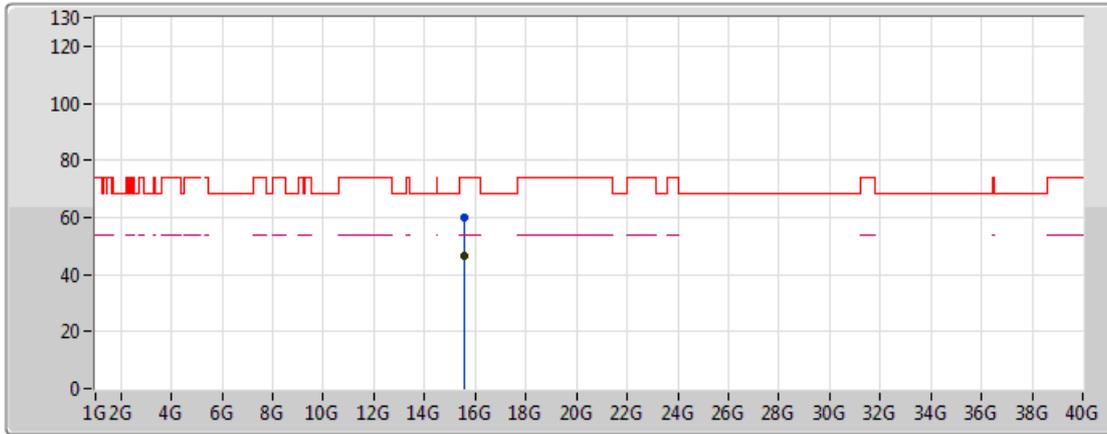
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.55542G	45.70	54.00	-8.30	14.07	3	Vertical	13	2.20	-	31.63	38.83	9.96	34.72
PK	15.57132G	59.57	74.00	-14.43	13.99	3	Vertical	13	2.20	-	45.58	38.77	9.96	34.74

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5190MHz\_BF TX

09/01/2018



Legend for plot:

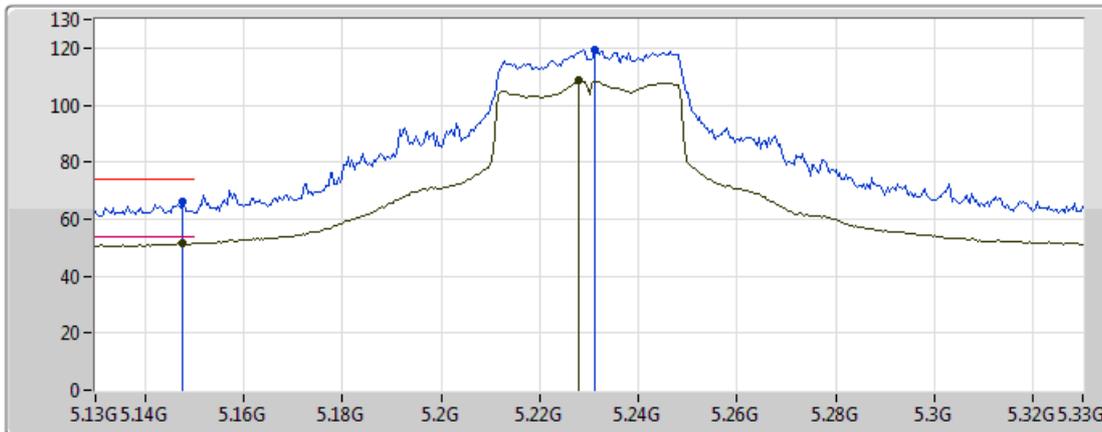
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.55692G	46.70	54.00	-7.30	14.06	3	Horizontal	46	1.04	-	32.64	38.83	9.96	34.72
PK	15.56634G	60.02	74.00	-13.98	14.02	3	Horizontal	46	1.04	-	46.00	38.79	9.96	34.73

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5230MHz\_BF TX

09/01/2018

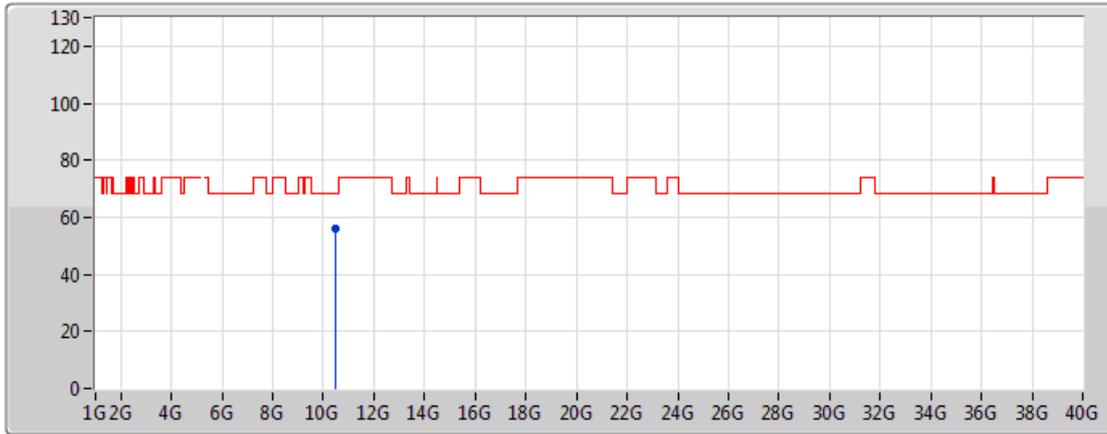


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1476G	51.41	54.00	-2.59	6.59	3	Vertical	333	1.50	-	44.83	31.68	4.72	29.81
AV	5.228G	108.51	Inf	-Inf	6.75	3	Vertical	333	1.50	-	101.77	31.77	4.78	29.81
PK	5.1476G	65.87	74.00	-8.13	6.59	3	Vertical	333	1.50	-	59.28	31.68	4.72	29.81
PK	5.2312G	119.38	Inf	-Inf	6.75	3	Vertical	333	1.50	-	112.63	31.78	4.78	29.81

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5230MHz\_BF TX

09/01/2018



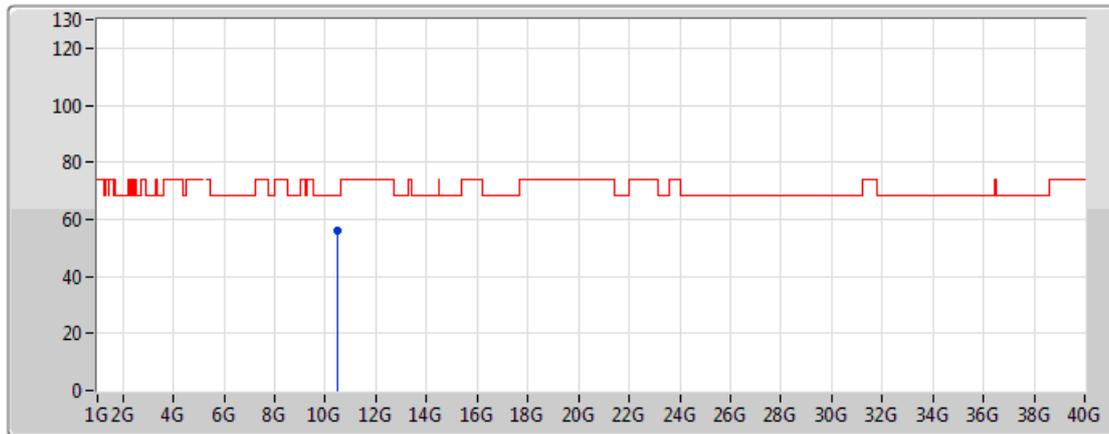
Lim.PK   
 PK 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.461028G	56.29	68.20	-11.91	15.43	3	Vertical	222	1.50	-	40.86	39.30	7.19	31.05

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5230MHz\_BF TX

09/01/2018



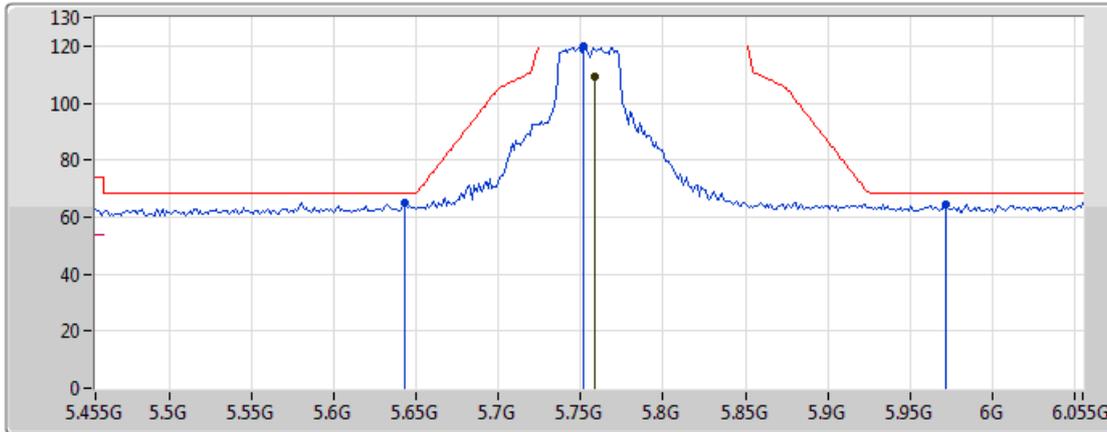
Lim.PK   
 PK 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.46016G	56.29	68.20	-11.91	15.43	3	Horizontal	357	1.47	-	40.86	39.30	7.19	31.05

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5755MHz\_BF TX

09/01/2018



Legend for the spectrum plot:

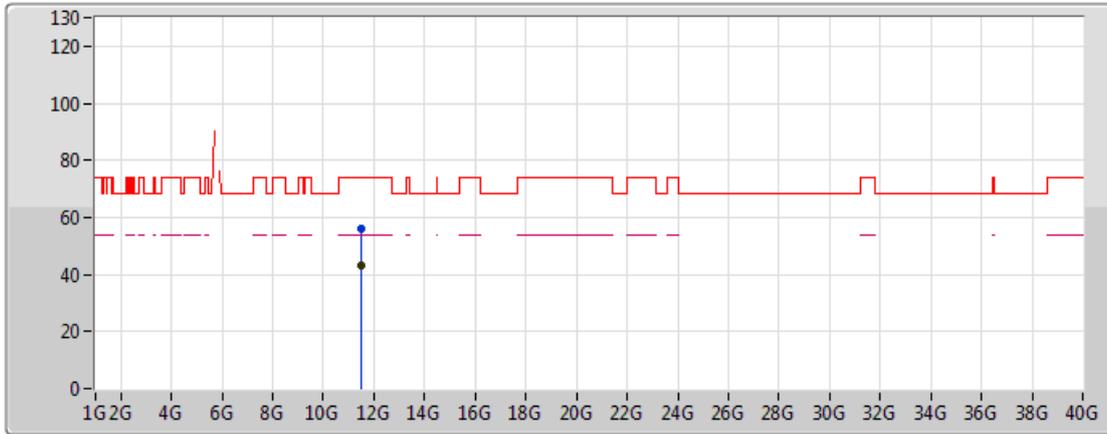
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7586G	109.07	Inf	-Inf	7.85	3	Vertical	156	1.68	-	101.21	32.41	5.32	29.87
PK	5.6434G	64.91	68.20	-3.29	7.60	3	Vertical	156	1.68	-	57.31	32.27	5.17	29.84
PK	5.7514G	120.05	Inf	-Inf	7.84	3	Vertical	156	1.68	-	112.22	32.40	5.31	29.87
PK	5.9722G	64.53	68.20	-3.67	8.33	3	Vertical	156	1.68	-	56.20	32.67	5.59	29.93

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5755MHz\_BF TX

09/01/2018



Legend:

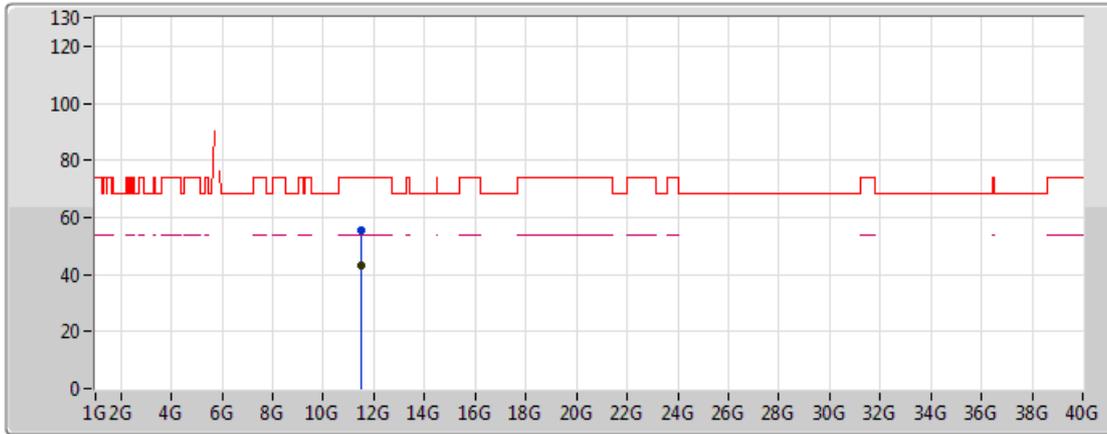
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.52836G	42.89	54.00	-11.11	15.74	3	Vertical	20	1.50	-	27.15	39.37	7.48	31.11
PK	11.50441G	55.82	74.00	-18.18	15.76	3	Vertical	20	1.50	-	40.06	39.39	7.48	31.11

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5755MHz\_BF TX

09/01/2018



Legend:

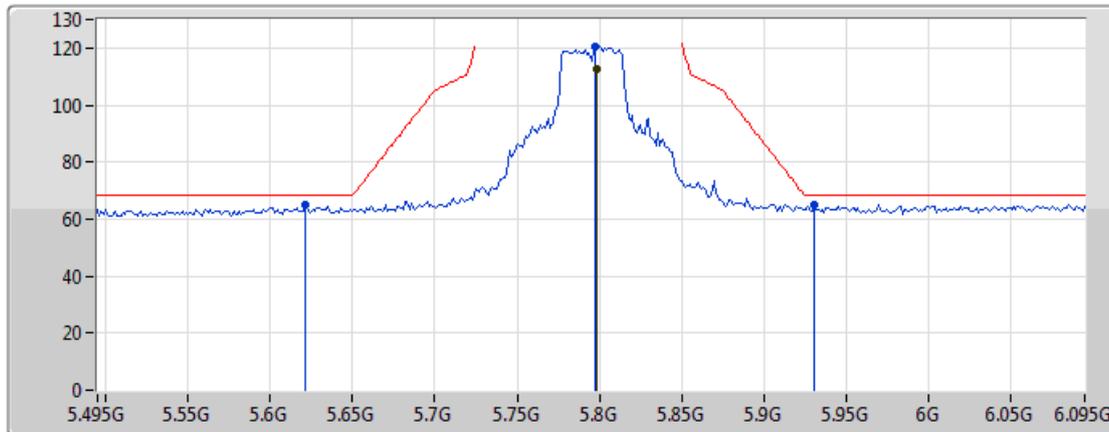
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.52856G	43.07	54.00	-10.93	15.74	3	Horizontal	158	1.50	-	27.33	39.37	7.48	31.11
PK	11.50421G	55.65	74.00	-18.35	15.76	3	Horizontal	158	1.50	-	39.89	39.39	7.48	31.11

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5795MHz\_BF TX

09/01/2018



Legend for the spectrum plot:

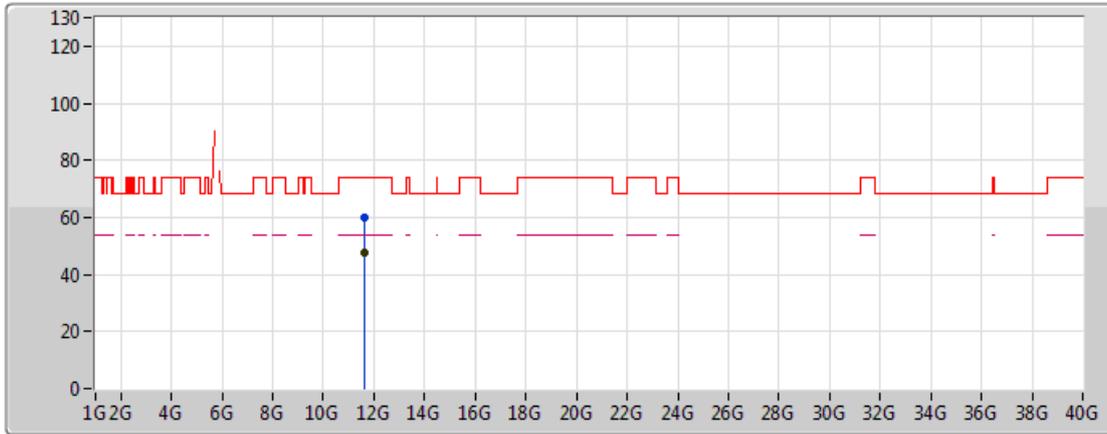
- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Red line with a flat icon
- AV: Blue line with a flat icon

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7986G	112.55	Inf	-Inf	7.95	3	Vertical	159	1.82	-	104.60	32.46	5.37	29.88
PK	5.621G	65.25	68.20	-2.95	7.55	3	Vertical	159	1.82	-	57.70	32.25	5.14	29.84
PK	5.7974G	120.69	Inf	-Inf	7.94	3	Vertical	159	1.82	-	112.75	32.46	5.37	29.88
PK	5.9306G	65.07	68.20	-3.13	8.24	3	Vertical	159	1.82	-	56.83	32.62	5.54	29.92

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5795MHz\_BF TX

09/01/2018



Legend:

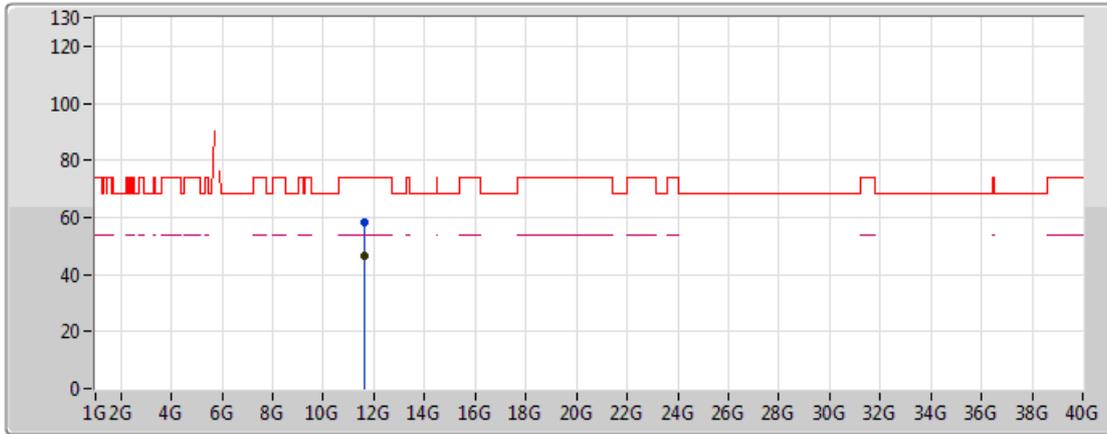
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.60557G	47.60	54.00	-6.40	15.69	3	Vertical	331	1.46	-	31.91	39.27	7.51	31.10
PK	11.60617G	60.02	74.00	-13.98	15.69	3	Vertical	331	1.46	-	44.33	39.27	7.51	31.10

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 5795MHz\_BF TX

09/01/2018



Legend:

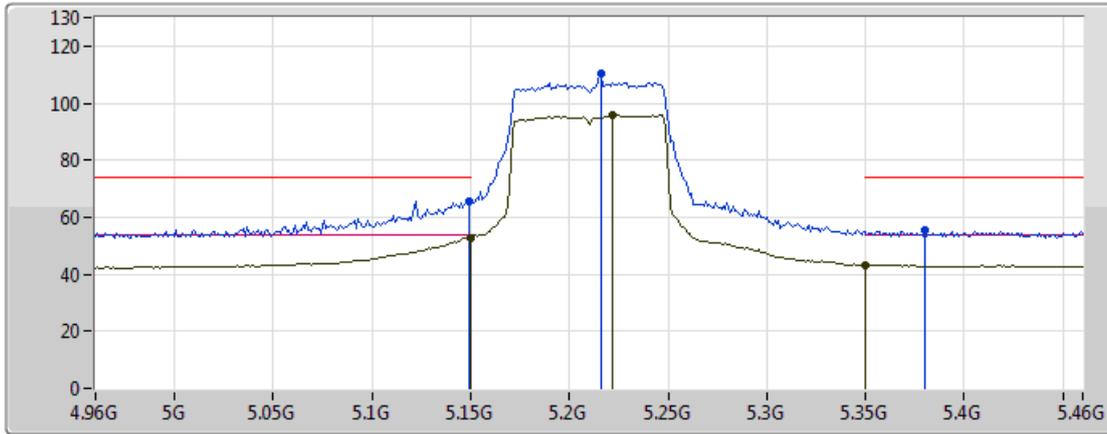
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.60916G	46.23	54.00	-7.77	15.68	3	Horizontal	14	1.90	-	30.55	39.27	7.51	31.10
PK	11.60737G	58.11	74.00	-15.89	15.68	3	Horizontal	14	1.90	-	42.43	39.27	7.51	31.10

### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

### 5210MHz\_BF TX

09/01/2018



Legend for the spectrum plot:

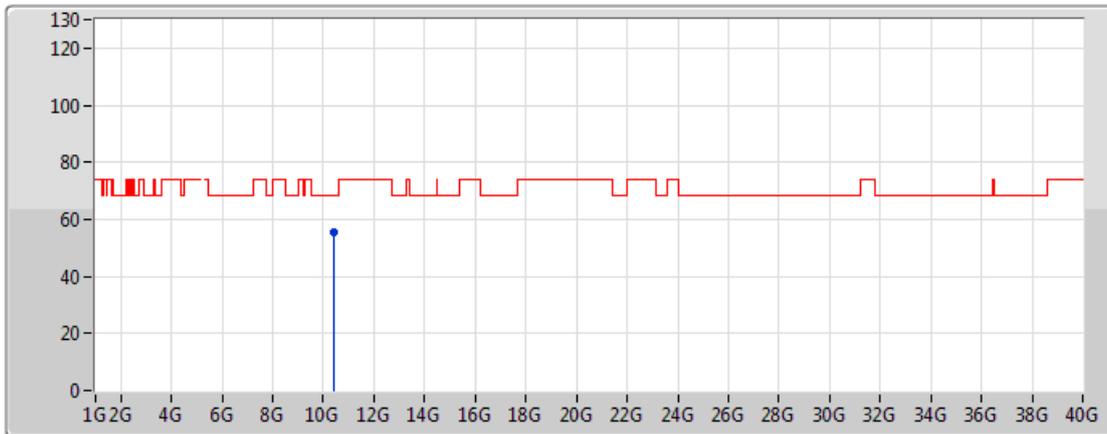
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	52.75	54.00	-1.25	2.73	3	Vertical	263	1.50	-	50.02	31.66	5.62	34.55
AV	5.222G	95.76	Inf	-Inf	2.77	3	Vertical	263	1.50	-	92.99	31.69	5.63	34.55
AV	5.350005G	43.24	54.00	-10.76	2.85	3	Vertical	263	1.50	-	40.39	31.74	5.65	34.54
PK	5.149G	65.82	74.00	-8.18	2.73	3	Vertical	263	1.50	-	63.09	31.66	5.62	34.55
PK	5.216G	110.65	Inf	-Inf	2.77	3	Vertical	263	1.50	-	107.88	31.69	5.63	34.55
PK	5.38G	55.69	74.00	-18.31	2.87	3	Vertical	263	1.50	-	52.82	31.75	5.66	34.54

### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

### 5210MHz\_BF TX

09/01/2018



Lim.PK  
 PK

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.40602G	55.20	68.20	-13.00	12.46	3	Vertical	125	1.50	-	42.74	39.57	7.95	35.07

### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

### 5210MHz\_BF TX

09/01/2018

Lim.PK   
 PK 

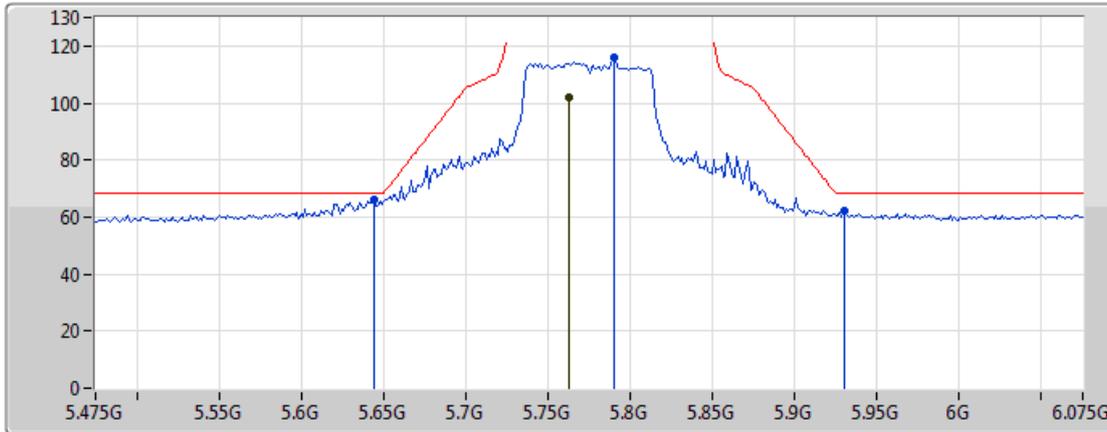


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.42204G	54.85	68.20	-13.35	12.50	3	Horizontal	168	2.34	-	42.35	39.59	7.96	35.05

### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

### 5775MHz\_BF TX

09/01/2018



Legend for the spectrum plot:

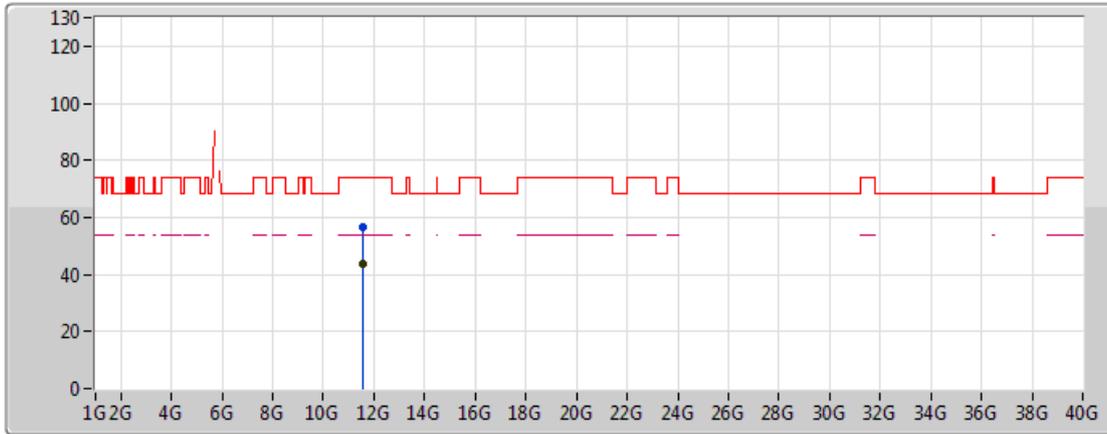
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.763G	102.04	Inf	-Inf	7.86	3	Vertical	156	1.27	-	94.18	32.42	5.32	29.87
PK	5.6442G	66.04	68.20	-2.16	7.60	3	Vertical	156	1.27	-	58.45	32.27	5.17	29.84
PK	5.7906G	115.93	Inf	-Inf	7.93	3	Vertical	156	1.27	-	108.00	32.45	5.36	29.88
PK	5.9298G	62.40	68.20	-5.80	8.24	3	Vertical	156	1.27	-	54.16	32.62	5.54	29.92

### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

### 5775MHz\_BF TX

09/01/2018



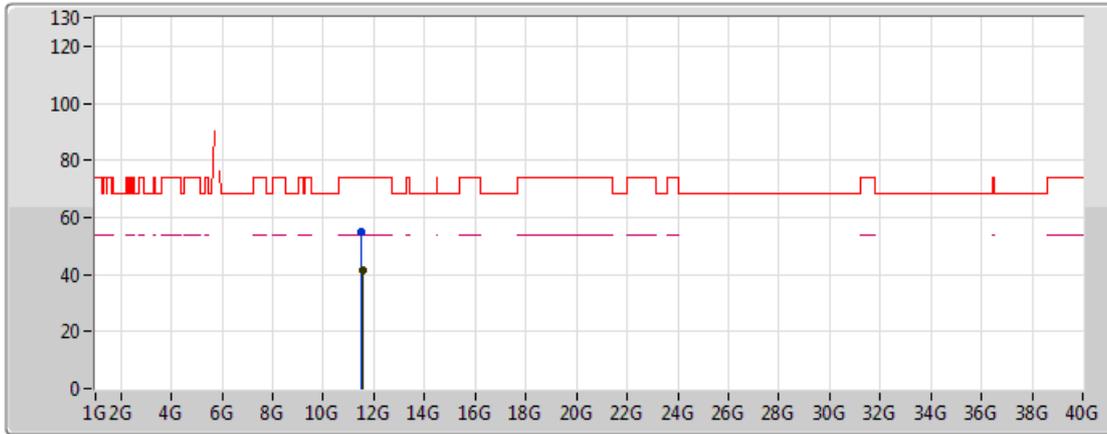
- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56876G	43.74	54.00	-10.26	15.71	3	Vertical	335	1.01	-	28.03	39.32	7.50	31.10
PK	11.57395G	56.75	74.00	-17.25	15.71	3	Vertical	335	1.01	-	41.04	39.31	7.50	31.10

### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

### 5775MHz\_BF TX

09/01/2018



- Lim.PK 
- PK 
- Lim.AV 
- AV 

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56766G	41.45	54.00	-12.55	15.71	3	Horizontal	107	1.01	-	25.74	39.32	7.50	31.10
PK	11.52705G	55.11	74.00	-18.89	15.74	3	Horizontal	107	1.01	-	39.37	39.37	7.48	31.11