



# FCC Test Report

**FCC ID** : QXO-AP3917K  
**Equipment** : Wireless 802.11 a/ac+b/g/n PCBA module  
**Brand Name** : Extreme Networks  
**Model No.** : AP3917k/AP7662k  
**Applicant** : Extreme Networks, Inc.  
6480 Via Del Oro San Jose CA 95119 United States Of America  
**Manufacturer** : Senao Networks, Inc.  
3F, No. 529, Chung Cheng Rd. Hsintien Taipei Taiwan  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Mar. 20, 2018, and testing was started from Mar. 21, 2018 and completed on Mar. 21, 2018. We, SPORTON INTERTIONAL 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 INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Phoenix Chen

**SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory**

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



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### History of this test report

Report No.	Version	Description	Issued Date
FR780809-02AC	01	Initial issue of report	Apr. 10, 2018



### Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Reviewed by: Jeremy Lin

Report Producer: Jackson Tsai



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Type	Ant.	Brand	Model Name	Antenna Type	Connector
1	1	-	-	Omni	I-PEX
	2	-	-	Omni	I-PEX
	3	-	-	Omni	I-PEX
	4	-	-	Omni	I-PEX
2	5	Laird	ML-5299-HPA5-01	Omni	I-PEX
	6	Laird	ML-5299-HPA5-01	Omni	I-PEX
3	7	-	CX08OMI136-VC	Cylinder Quasi-Omni	I-PEX

Ant.	Port	Gain (dBi)							
		Type 1		Type 2	Type 3				
		2.4G	5G	5G	2.4G	5G			
						UNII-1	UNII-2A	UNII-2C	UNII-3
1	1	7.5	-	-	-	-	-	-	-
2	2	7.5	-	-	-	-	-	-	-
3	1	-	7.75	-	-	-	-	-	-
4	2	-	7.75	-	-	-	-	-	-
5	1	-	-	5.6	-	-	-	-	-
6	2	-	-	5.6	-	-	-	-	-
7	1	-	-	-	6.8	-	-	-	-
	2	-	-	-	6.8	-	-	-	-
	1	-	-	-	-	7.2	6.5	6.2	7.2
	2	-	-	-	-	7.2	6.5	6.2	7.2

Note 1: The EUT has seven antennas. The Ant. 7 was added in this report.

Note 2: EUT can match with above antennas for using. Higher gain in each type of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

**For 2.4 GHz function:**

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

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

Ant. 7 (port 1) and (port 2) could transmit/receive simultaneously.

**For 5 GHz function:**

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

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.

Ant. 5 (port 1) and Ant. 6 (port 2) could transmit/receive simultaneously.

Ant. 7 (port 1) and (port 2) could transmit/receive simultaneously.



1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.026	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.964	0.159	2.067m	1k
802.11n HT20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.965	0.155	2.43m	1k

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
AP3917k	All the models are identical, the difference model served as marketing strategy.
AP7662k	

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR780809AC

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

Modifications	Performance Checking
Add 1 new type antenna	EMISSIONS IN RESTRICTED FREQUENCY BANDS 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 558074 D01 v04
- ◆ KDB 662911 D01 v02r01

## 1.3 Testing Location Information

Testing Location		
<input checked="" type="checkbox"/>	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456      FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.		
<input type="checkbox"/>	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	03CH02-HY	Jerry Lin	24.1°C / 59%	21/Mar/2018

## 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%





## 2 Test Configuration of EUT

### 2.1 Test Condition




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

### 2.2 Test Channel Mode

Test Software Version	QRCT 3.0.174.0
-----------------------	----------------

Mode
802.11b_Nss1,(1Mbps)_2TX
2412MHz
2437MHz
2462MHz
802.11g_Nss1,(6Mbps)_2TX
2412MHz
2437MHz
2462MHz
802.11n HT20_Nss1,(MCS0)_2TX
2412MHz
2437MHz
2462MHz
802.11n HT40_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz

### 2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
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	PoE mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

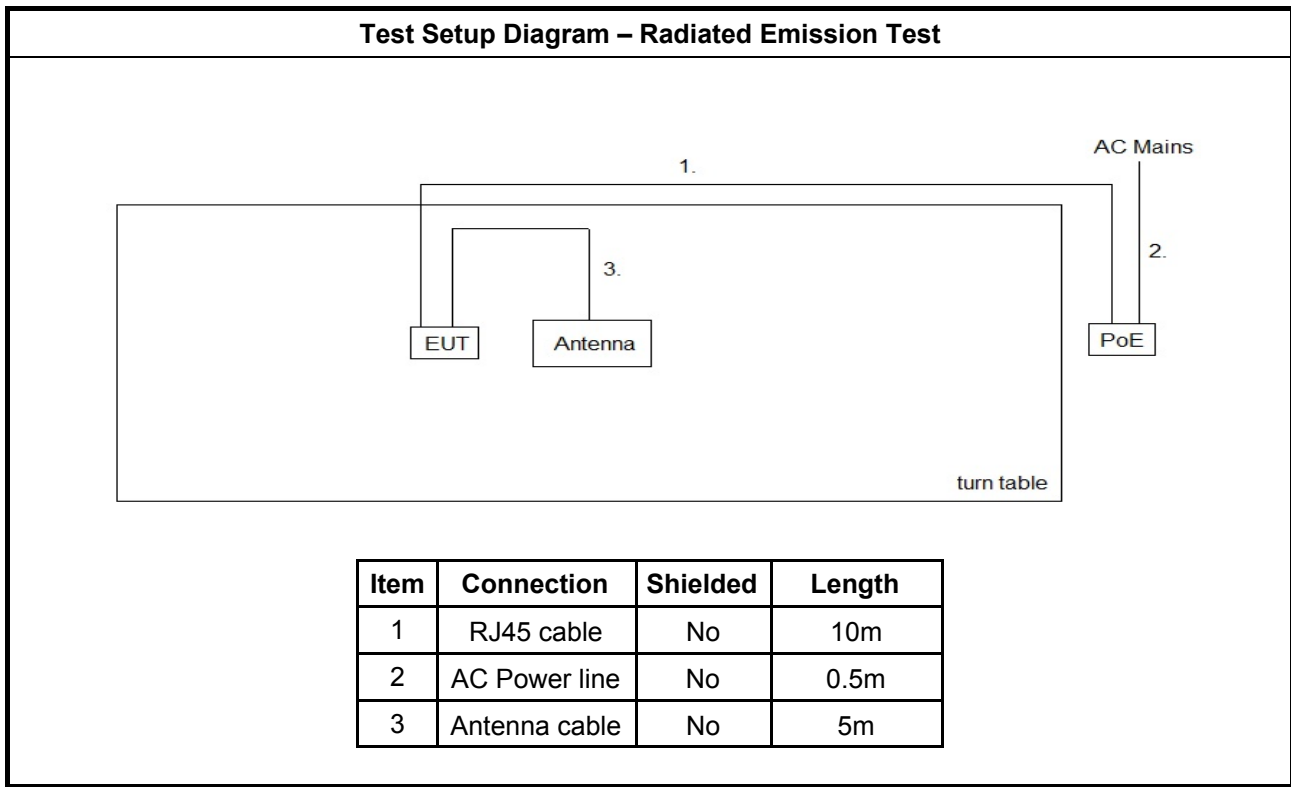
The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth + WLAN 2.4GHz + WLAN 5GHz
2	Zigbee + WLAN 2.4GHz + WLAN 5GHz
3	Bluetooth + WLAN 2.4GHz + 4.9G
4	Zigbee + WLAN 2.4GHz + 4.9G
Refer to Sporton Test Report No.: FA780809 for Co-location RF Exposure Evaluation.	

### 2.4 Support Equipment

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	PoE	EnGenius	EPA5006GP	-

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

## 2.5 Test Setup Diagram



### 3 Transmitter Test Result

#### 3.1 Emissions in Restricted Frequency Bands

##### 3.1.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions 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.

##### 3.1.2 Measuring Instruments

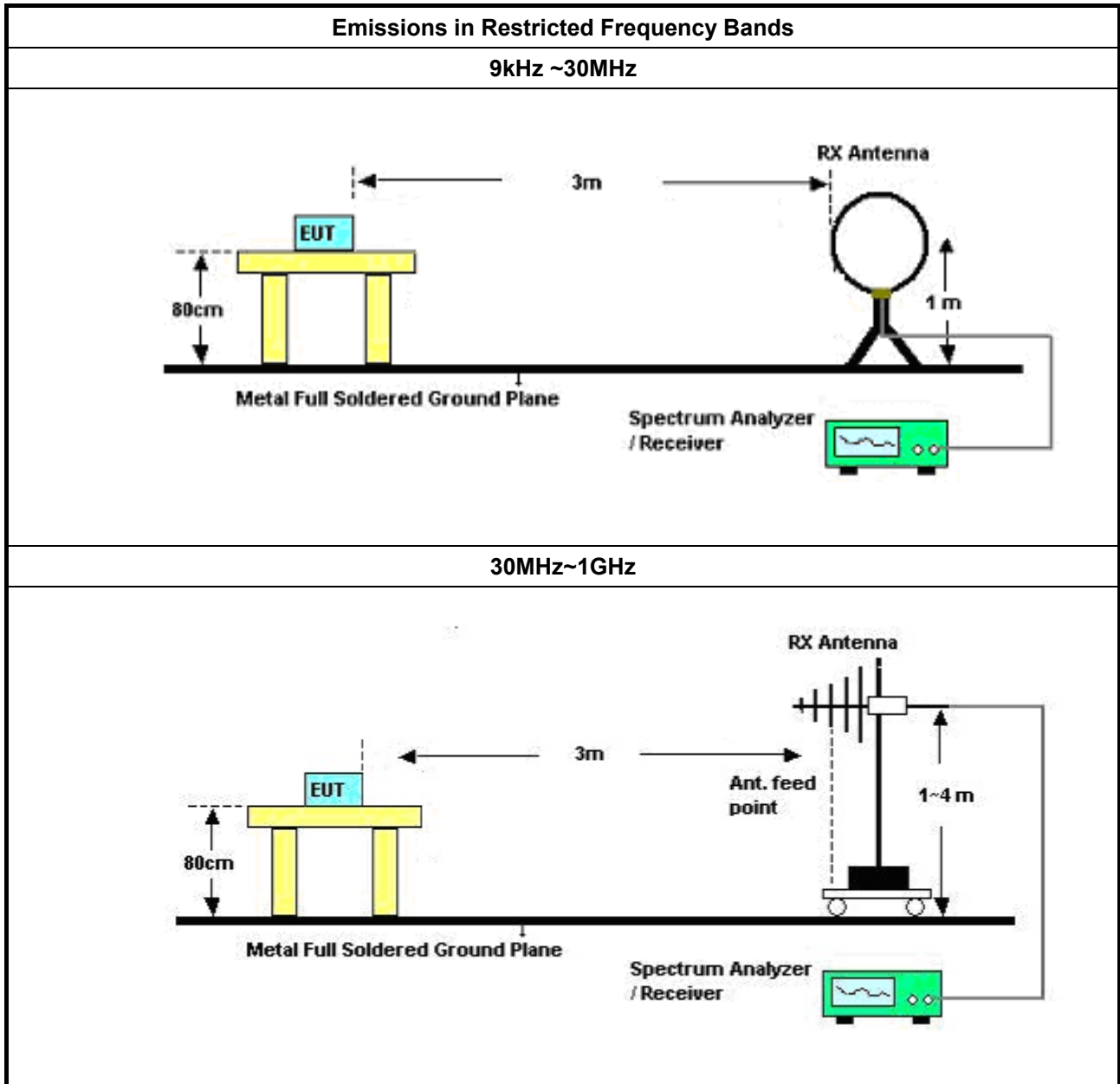
Refer a test equipment and calibration data table in this test report.

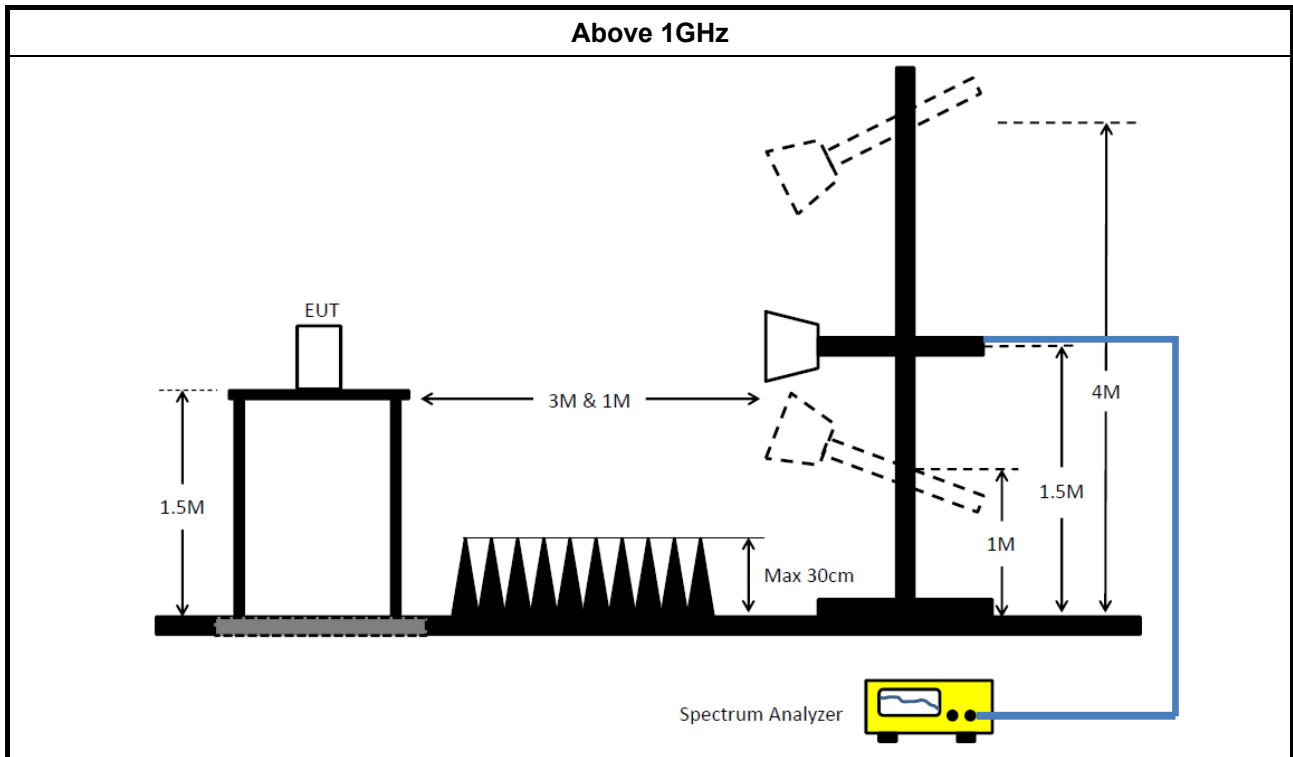


3.1.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</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 as KDB 558074, clause 12 for unwanted emissions into restricted bands.</li> </ul>
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW $\geq$ 1/T.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).</li> </ul>
<ul style="list-style-type: none"> <li>▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.</li> </ul>

3.1.4 Test Setup





### 3.1.5 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

### 3.1.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix A



## 4 Test Equipment and Calibration Data

### Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100305	9kHz - 40GHz	12/Dec/2017	11/Dec/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	20/Oct/2017	19/Oct/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	27/Oct/2017	26/Oct/2018
Amplifier	Agilent	8447D	2944A11149	100kHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Ketsight	8449B	3008A02602	1GHz-26.5GHz	19/Sep/2017	18/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2018	05/Feb/2019
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	09/Sep/2017	08/Sep/2018
Amplifier	MITEQ	TTA1840-35-HG	1864481	18GHz-40GHz	31/Aug/2017	30/Aug/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
Receiver	R&S	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2018	15/Mar/2019





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	30M	28.51	40.00	-11.49	-4.45	3	Vertical	360	1.00	-



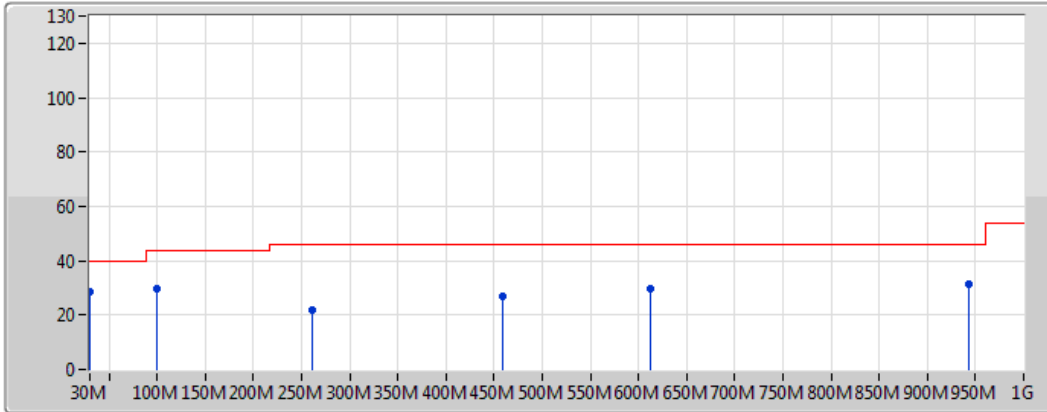
**Result**



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	28.47	40.00	-11.53	-4.45	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	99.84M	30.95	43.50	-12.55	-10.37	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	276.38M	22.87	46.00	-23.13	-6.32	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	460.68M	26.71	46.00	-19.29	-2.74	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	580.96M	28.84	46.00	-17.16	-1.18	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	920.46M	31.10	46.00	-14.90	2.92	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	30M	28.51	40.00	-11.49	-4.45	3	Vertical	360	1.00	-
2437MHz	Pass	PK	99.84M	29.74	43.50	-13.76	-10.37	3	Vertical	360	1.00	-
2437MHz	Pass	PK	260.86M	22.08	46.00	-23.92	-5.68	3	Vertical	360	1.00	-
2437MHz	Pass	PK	458.74M	26.62	46.00	-19.38	-2.78	3	Vertical	360	1.00	-
2437MHz	Pass	PK	612M	29.49	46.00	-16.51	-0.72	3	Vertical	360	1.00	-
2437MHz	Pass	PK	943.74M	31.43	46.00	-14.57	3.48	3	Vertical	360	1.00	-

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_PoE

19/03/2018



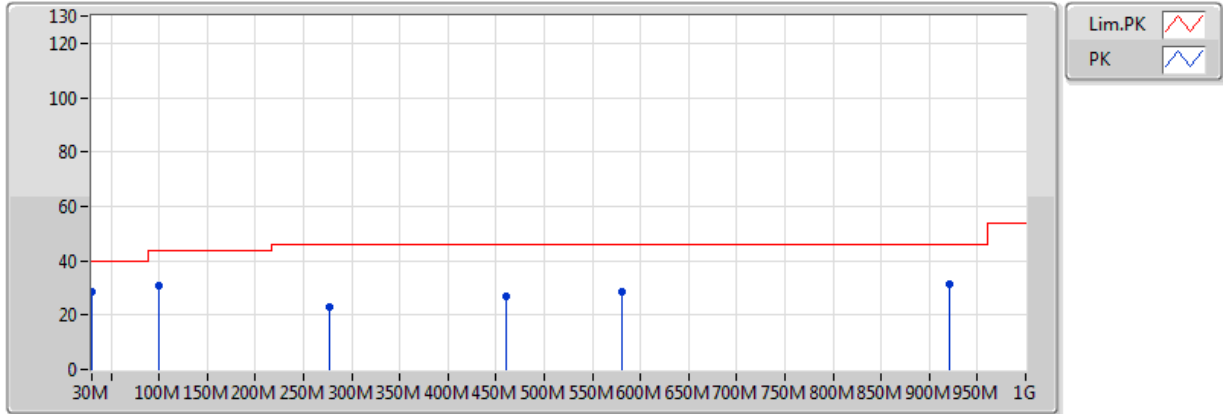
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 PK 

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	30M	28.51	40.00	-11.49	-4.45	3	Vertical	360	1.00	-	32.96	23.11	0.29	27.85
PK	99.84M	29.74	43.50	-13.76	-10.37	3	Vertical	360	1.00	-	40.11	15.97	1.47	27.81
PK	260.86M	22.08	46.00	-23.92	-5.68	3	Vertical	360	1.00	-	27.76	18.86	2.76	27.30
PK	458.74M	26.62	46.00	-19.38	-2.78	3	Vertical	360	1.00	-	29.40	22.24	3.25	28.27
PK	612M	29.49	46.00	-16.51	-0.72	3	Vertical	360	1.00	-	30.21	24.12	3.70	28.54
PK	943.74M	31.43	46.00	-14.57	3.48	3	Vertical	360	1.00	-	27.95	26.15	4.80	27.48

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_PoE

19/03/2018



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)
PK	30M	28.47	40.00	-11.53	-4.45	3	Horizontal	0	1.00	-	32.92	23.11	0.29	27.85
PK	99.84M	30.95	43.50	-12.55	-10.37	3	Horizontal	0	1.00	-	41.32	15.97	1.47	27.81
PK	276.38M	22.87	46.00	-23.13	-6.32	3	Horizontal	0	1.00	-	29.19	18.09	2.85	27.26
PK	460.68M	26.71	46.00	-19.29	-2.74	3	Horizontal	0	1.00	-	29.45	22.29	3.25	28.28
PK	580.96M	28.84	46.00	-17.16	-1.18	3	Horizontal	0	1.00	-	30.02	23.72	3.64	28.55
PK	920.46M	31.10	46.00	-14.90	2.92	3	Horizontal	0	1.00	-	28.18	25.95	4.56	27.58



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.3862G	48.33	54.00	-5.67	32.43	3	Vertical	262	1.48	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4846G	49.37	54.00	-4.63	32.81	3	Vertical	263	1.50	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.4838G	48.28	54.00	-5.72	32.81	3	Horizontal	27	1.77	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.483502G	49.83	54.00	-4.17	32.81	3	Vertical	356	1.56	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	45.10	54.00	-8.90	32.45	3	Horizontal	15	1.55	-
2412MHz	Pass	AV	2.4112G	112.44	Inf	-Inf	32.53	3	Horizontal	15	1.55	-
2412MHz	Pass	PK	2.3818G	55.79	74.00	-18.21	32.42	3	Horizontal	15	1.55	-
2412MHz	Pass	PK	2.411G	116.35	Inf	-Inf	32.53	3	Horizontal	15	1.55	-
2412MHz	Pass	AV	2.3862G	48.33	54.00	-5.67	32.43	3	Vertical	262	1.48	-
2412MHz	Pass	AV	2.4138G	111.42	Inf	-Inf	32.54	3	Vertical	262	1.48	-
2412MHz	Pass	PK	2.3868G	57.67	74.00	-16.33	32.44	3	Vertical	262	1.48	-
2412MHz	Pass	PK	2.4146G	115.07	Inf	-Inf	32.55	3	Vertical	262	1.48	-
2412MHz	Pass	AV	4.82395G	44.43	54.00	-9.57	3.13	3	Horizontal	355	1.73	-
2412MHz	Pass	PK	4.82387G	49.53	74.00	-24.47	3.13	3	Horizontal	355	1.73	-
2412MHz	Pass	AV	4.82392G	35.23	54.00	-18.77	3.13	3	Vertical	252	1.50	-
2412MHz	Pass	PK	4.82383G	45.81	74.00	-28.19	3.13	3	Vertical	252	1.50	-
2437MHz	Pass	AV	2.3882G	44.31	54.00	-9.69	32.45	3	Horizontal	350	2.15	-
2437MHz	Pass	AV	2.4386G	110.17	Inf	-Inf	32.64	3	Horizontal	350	2.15	-
2437MHz	Pass	AV	2.4962G	45.64	54.00	-8.36	32.86	3	Horizontal	350	2.15	-
2437MHz	Pass	PK	2.3834G	55.82	74.00	-18.18	32.43	3	Horizontal	350	2.15	-
2437MHz	Pass	PK	2.4382G	113.75	Inf	-Inf	32.64	3	Horizontal	350	2.15	-
2437MHz	Pass	PK	2.4846G	56.64	74.00	-17.36	32.81	3	Horizontal	350	2.15	-
2437MHz	Pass	AV	2.3882G	44.51	54.00	-9.49	32.45	3	Vertical	263	1.51	-
2437MHz	Pass	AV	2.4362G	111.10	Inf	-Inf	32.63	3	Vertical	263	1.51	-
2437MHz	Pass	AV	2.4962G	45.37	54.00	-8.63	32.86	3	Vertical	263	1.51	-
2437MHz	Pass	PK	2.3894G	56.08	74.00	-17.92	32.45	3	Vertical	263	1.51	-
2437MHz	Pass	PK	2.4362G	115.05	Inf	-Inf	32.63	3	Vertical	263	1.51	-
2437MHz	Pass	PK	2.4846G	56.69	74.00	-17.31	32.81	3	Vertical	263	1.51	-
2437MHz	Pass	AV	4.874G	43.74	54.00	-10.26	3.24	3	Horizontal	356	1.48	-
2437MHz	Pass	PK	4.87403G	49.14	74.00	-24.86	3.24	3	Horizontal	356	1.48	-
2437MHz	Pass	AV	4.87398G	34.71	54.00	-19.29	3.24	3	Vertical	251	1.51	-
2437MHz	Pass	PK	4.87404G	45.26	74.00	-28.74	3.24	3	Vertical	251	1.51	-
2462MHz	Pass	AV	2.4612G	108.86	Inf	-Inf	32.72	3	Horizontal	17	1.44	-
2462MHz	Pass	AV	2.4886G	45.58	54.00	-8.42	32.83	3	Horizontal	17	1.44	-
2462MHz	Pass	PK	2.461G	112.66	Inf	-Inf	32.72	3	Horizontal	17	1.44	-
2462MHz	Pass	PK	2.4892G	56.85	74.00	-17.15	32.83	3	Horizontal	17	1.44	-
2462MHz	Pass	AV	2.4638G	108.39	Inf	-Inf	32.73	3	Vertical	236	1.61	-
2462MHz	Pass	AV	2.4878G	47.44	54.00	-6.56	32.83	3	Vertical	236	1.61	-
2462MHz	Pass	PK	2.463G	112.16	Inf	-Inf	32.73	3	Vertical	236	1.61	-
2462MHz	Pass	PK	2.4876G	57.60	74.00	-16.40	32.83	3	Vertical	236	1.61	-
2462MHz	Pass	AV	4.92395G	42.59	54.00	-11.41	3.35	3	Horizontal	349	1.50	-
2462MHz	Pass	PK	4.92397G	48.55	74.00	-25.45	3.35	3	Horizontal	349	1.50	-
2462MHz	Pass	AV	4.92397G	33.78	54.00	-20.22	3.35	3	Vertical	148	1.50	-
2462MHz	Pass	PK	4.92408G	44.84	74.00	-29.16	3.35	3	Vertical	148	1.50	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	46.88	54.00	-7.12	32.45	3	Horizontal	351	1.83	-
2412MHz	Pass	AV	2.4138G	101.55	Inf	-Inf	32.54	3	Horizontal	351	1.83	-
2412MHz	Pass	PK	2.389998G	58.66	74.00	-15.34	32.45	3	Horizontal	351	1.83	-
2412MHz	Pass	PK	2.414G	111.54	Inf	-Inf	32.54	3	Horizontal	351	1.83	-
2412MHz	Pass	AV	2.389998G	47.48	54.00	-6.52	32.45	3	Vertical	264	1.29	-
2412MHz	Pass	AV	2.411G	102.67	Inf	-Inf	32.53	3	Vertical	264	1.29	-



RSE TX above 1GHz Result

Appendix A.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.389998G	59.51	74.00	-14.49	32.45	3	Vertical	264	1.29	-
2412MHz	Pass	PK	2.4112G	112.53	Inf	-Inf	32.53	3	Vertical	264	1.29	-
2412MHz	Pass	AV	4.82392G	30.79	54.00	-23.21	3.13	3	Horizontal	355	1.98	-
2412MHz	Pass	PK	4.8326G	44.34	74.00	-29.66	3.15	3	Horizontal	355	1.98	-
2412MHz	Pass	AV	4.823G	30.29	54.00	-23.71	3.13	3	Vertical	256	1.50	-
2412MHz	Pass	PK	4.82996G	43.87	74.00	-30.13	3.15	3	Vertical	256	1.50	-
2437MHz	Pass	AV	2.389G	46.36	54.00	-7.64	32.45	3	Horizontal	33	1.92	-
2437MHz	Pass	AV	2.4386G	109.11	Inf	-Inf	32.64	3	Horizontal	33	1.92	-
2437MHz	Pass	AV	2.483502G	47.36	54.00	-6.64	32.81	3	Horizontal	33	1.92	-
2437MHz	Pass	PK	2.3894G	58.30	74.00	-15.70	32.45	3	Horizontal	33	1.92	-
2437MHz	Pass	PK	2.4338G	119.14	Inf	-Inf	32.62	3	Horizontal	33	1.92	-
2437MHz	Pass	PK	2.4882G	59.23	74.00	-14.77	32.83	3	Horizontal	33	1.92	-
2437MHz	Pass	AV	2.3898G	46.01	54.00	-7.99	32.45	3	Vertical	355	1.66	-
2437MHz	Pass	AV	2.441G	109.94	Inf	-Inf	32.65	3	Vertical	355	1.66	-
2437MHz	Pass	AV	2.4854G	48.25	54.00	-5.75	32.81	3	Vertical	355	1.66	-
2437MHz	Pass	PK	2.3866G	57.19	74.00	-16.81	32.44	3	Vertical	355	1.66	-
2437MHz	Pass	PK	2.441G	119.57	Inf	-Inf	32.65	3	Vertical	355	1.66	-
2437MHz	Pass	PK	2.4854G	61.12	74.00	-12.88	32.81	3	Vertical	355	1.66	-
2437MHz	Pass	AV	4.874G	33.32	54.00	-20.68	3.24	3	Horizontal	357	1.50	-
2437MHz	Pass	PK	4.8685G	46.18	74.00	-27.82	3.23	3	Horizontal	357	1.50	-
2437MHz	Pass	AV	4.8568G	30.36	54.00	-23.64	3.20	3	Vertical	185	1.50	-
2437MHz	Pass	PK	4.8699G	43.73	74.00	-30.27	3.23	3	Vertical	185	1.50	-
2462MHz	Pass	AV	2.4638G	100.73	Inf	-Inf	32.73	3	Horizontal	19	1.47	-
2462MHz	Pass	AV	2.483502G	48.22	54.00	-5.78	32.81	3	Horizontal	19	1.47	-
2462MHz	Pass	PK	2.4638G	110.22	Inf	-Inf	32.73	3	Horizontal	19	1.47	-
2462MHz	Pass	PK	2.4836G	59.42	74.00	-14.58	32.81	3	Horizontal	19	1.47	-
2462MHz	Pass	AV	2.461G	101.63	Inf	-Inf	32.72	3	Vertical	263	1.50	-
2462MHz	Pass	AV	2.4846G	49.37	54.00	-4.63	32.81	3	Vertical	263	1.50	-
2462MHz	Pass	PK	2.4564G	111.42	Inf	-Inf	32.70	3	Vertical	263	1.50	-
2462MHz	Pass	PK	2.4848G	61.76	74.00	-12.24	32.81	3	Vertical	263	1.50	-
2462MHz	Pass	AV	4.9241G	30.99	54.00	-23.01	3.35	3	Horizontal	293	1.50	-
2462MHz	Pass	PK	4.9288G	45.00	74.00	-29.00	3.36	3	Horizontal	293	1.50	-
2462MHz	Pass	AV	4.9123G	30.67	54.00	-23.33	3.33	3	Vertical	142	1.50	-
2462MHz	Pass	PK	4.9109G	44.32	74.00	-29.68	3.32	3	Vertical	142	1.50	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	46.78	54.00	-7.22	32.45	3	Horizontal	350	1.85	-
2412MHz	Pass	AV	2.4172G	99.24	Inf	-Inf	32.56	3	Horizontal	350	1.85	-
2412MHz	Pass	PK	2.389998G	59.64	74.00	-14.36	32.45	3	Horizontal	350	1.85	-
2412MHz	Pass	PK	2.4182G	109.67	Inf	-Inf	32.56	3	Horizontal	350	1.85	-
2412MHz	Pass	AV	2.389998G	46.67	54.00	-7.33	32.45	3	Vertical	264	1.32	-
2412MHz	Pass	AV	2.4096G	100.81	Inf	-Inf	32.53	3	Vertical	264	1.32	-
2412MHz	Pass	PK	2.3898G	60.31	74.00	-13.69	32.45	3	Vertical	264	1.32	-
2412MHz	Pass	PK	2.4108G	110.94	Inf	-Inf	32.53	3	Vertical	264	1.32	-
2412MHz	Pass	AV	4.8039G	30.57	54.00	-23.43	3.09	3	Horizontal	107	1.50	-
2412MHz	Pass	PK	4.839G	43.86	74.00	-30.14	3.17	3	Horizontal	107	1.50	-
2412MHz	Pass	AV	4.803G	30.41	54.00	-23.59	3.09	3	Vertical	233	1.50	-
2412MHz	Pass	PK	4.8116G	44.09	74.00	-29.91	3.11	3	Vertical	233	1.50	-
2437MHz	Pass	AV	2.3854G	45.86	54.00	-8.14	32.43	3	Horizontal	349	1.97	-
2437MHz	Pass	AV	2.4422G	108.28	Inf	-Inf	32.65	3	Horizontal	349	1.97	-



RSE TX above 1GHz Result

Appendix A.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.483502G	47.71	54.00	-6.29	32.81	3	Horizontal	349	1.97	-
2437MHz	Pass	PK	2.3846G	58.41	74.00	-15.59	32.43	3	Horizontal	349	1.97	-
2437MHz	Pass	PK	2.441G	118.90	Inf	-Inf	32.65	3	Horizontal	349	1.97	-
2437MHz	Pass	PK	2.4838G	60.51	74.00	-13.49	32.81	3	Horizontal	349	1.97	-
2437MHz	Pass	AV	2.3898G	46.51	54.00	-7.49	32.45	3	Vertical	265	1.50	-
2437MHz	Pass	AV	2.4342G	108.48	Inf	-Inf	32.62	3	Vertical	265	1.50	-
2437MHz	Pass	AV	2.4902G	47.56	54.00	-6.44	32.83	3	Vertical	265	1.50	-
2437MHz	Pass	PK	2.3898G	60.29	74.00	-13.71	32.45	3	Vertical	265	1.50	-
2437MHz	Pass	PK	2.433G	118.54	Inf	-Inf	32.62	3	Vertical	265	1.50	-
2437MHz	Pass	PK	2.4934G	61.68	74.00	-12.32	32.84	3	Vertical	265	1.50	-
2437MHz	Pass	AV	4.8739G	33.24	54.00	-20.76	3.24	3	Horizontal	356	1.50	-
2437MHz	Pass	PK	4.8724G	46.97	74.00	-27.03	3.24	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	4.8551G	30.26	54.00	-23.74	3.20	3	Vertical	244	1.50	-
2437MHz	Pass	PK	4.8875G	43.91	74.00	-30.09	3.27	3	Vertical	244	1.50	-
2462MHz	Pass	AV	2.4672G	99.04	Inf	-Inf	32.75	3	Horizontal	27	1.77	-
2462MHz	Pass	AV	2.4838G	48.28	54.00	-5.72	32.81	3	Horizontal	27	1.77	-
2462MHz	Pass	PK	2.467G	109.46	Inf	-Inf	32.74	3	Horizontal	27	1.77	-
2462MHz	Pass	PK	2.483502G	61.02	74.00	-12.98	32.81	3	Horizontal	27	1.77	-
2462MHz	Pass	AV	2.4578G	99.98	Inf	-Inf	32.71	3	Vertical	263	1.51	-
2462MHz	Pass	AV	2.483502G	47.91	54.00	-6.09	32.81	3	Vertical	263	1.51	-
2462MHz	Pass	PK	2.4558G	110.25	Inf	-Inf	32.70	3	Vertical	263	1.51	-
2462MHz	Pass	PK	2.484G	60.18	74.00	-13.82	32.81	3	Vertical	263	1.51	-
2462MHz	Pass	AV	4.9236G	30.89	54.00	-23.11	3.35	3	Horizontal	192	1.50	-
2462MHz	Pass	PK	4.9315G	44.10	74.00	-29.90	3.37	3	Horizontal	192	1.50	-
2462MHz	Pass	AV	4.921G	30.59	54.00	-23.41	3.34	3	Vertical	117	1.50	-
2462MHz	Pass	PK	4.9137G	44.51	74.00	-29.49	3.33	3	Vertical	117	1.50	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.389998G	48.01	54.00	-5.99	32.45	3	Horizontal	30	1.96	-
2422MHz	Pass	AV	2.4296G	96.28	Inf	-Inf	32.60	3	Horizontal	30	1.96	-
2422MHz	Pass	AV	2.4964G	46.47	54.00	-7.53	32.86	3	Horizontal	30	1.96	-
2422MHz	Pass	PK	2.3884G	60.24	74.00	-13.76	32.45	3	Horizontal	30	1.96	-
2422MHz	Pass	PK	2.4296G	105.66	Inf	-Inf	32.60	3	Horizontal	30	1.96	-
2422MHz	Pass	PK	2.4956G	56.48	74.00	-17.52	32.85	3	Horizontal	30	1.96	-
2422MHz	Pass	AV	2.3888G	49.14	54.00	-4.86	32.45	3	Vertical	264	1.46	-
2422MHz	Pass	AV	2.4188G	97.69	Inf	-Inf	32.56	3	Vertical	264	1.46	-
2422MHz	Pass	AV	2.496G	46.50	54.00	-7.50	32.86	3	Vertical	264	1.46	-
2422MHz	Pass	PK	2.3892G	61.30	74.00	-12.70	32.45	3	Vertical	264	1.46	-
2422MHz	Pass	PK	2.4192G	106.83	Inf	-Inf	32.56	3	Vertical	264	1.46	-
2422MHz	Pass	PK	2.4964G	57.94	74.00	-16.06	32.86	3	Vertical	264	1.46	-
2422MHz	Pass	AV	4.8525G	30.71	54.00	-23.29	3.20	3	Horizontal	132	1.50	-
2422MHz	Pass	PK	4.8816G	43.34	74.00	-30.66	3.26	3	Horizontal	132	1.50	-
2422MHz	Pass	AV	4.7964G	30.57	54.00	-23.43	3.07	3	Vertical	251	1.50	-
2422MHz	Pass	PK	4.7988G	43.48	74.00	-30.52	3.08	3	Vertical	251	1.50	-
2437MHz	Pass	AV	2.3894G	46.21	54.00	-7.79	32.45	3	Horizontal	338	2.04	-
2437MHz	Pass	AV	2.4426G	98.16	Inf	-Inf	32.65	3	Horizontal	338	2.04	-
2437MHz	Pass	AV	2.483502G	47.77	54.00	-6.23	32.81	3	Horizontal	338	2.04	-
2437MHz	Pass	PK	2.3854G	57.04	74.00	-16.96	32.43	3	Horizontal	338	2.04	-
2437MHz	Pass	PK	2.443G	107.37	Inf	-Inf	32.65	3	Horizontal	338	2.04	-
2437MHz	Pass	PK	2.485G	58.69	74.00	-15.31	32.81	3	Horizontal	338	2.04	-





**RSE TX above 1GHz Result**

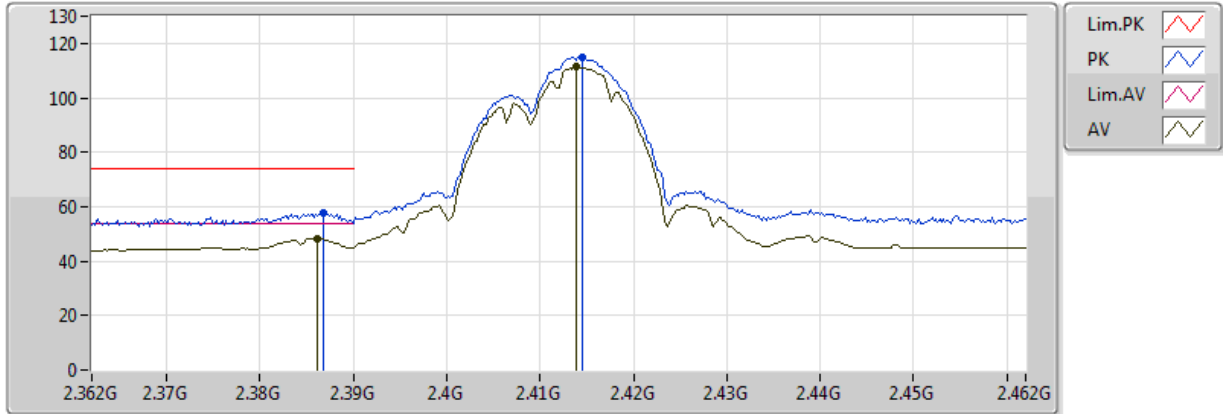
**Appendix A.2**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.3894G	46.51	54.00	-7.49	32.45	3	Vertical	266	1.30	-
2437MHz	Pass	AV	2.4326G	97.89	Inf	-Inf	32.61	3	Vertical	266	1.30	-
2437MHz	Pass	AV	2.4902G	48.13	54.00	-5.87	32.83	3	Vertical	266	1.30	-
2437MHz	Pass	PK	2.389G	57.49	74.00	-16.51	32.45	3	Vertical	266	1.30	-
2437MHz	Pass	PK	2.4342G	107.59	Inf	-Inf	32.62	3	Vertical	266	1.30	-
2437MHz	Pass	PK	2.4906G	59.88	74.00	-14.12	32.84	3	Vertical	266	1.30	-
2437MHz	Pass	AV	4.9232G	30.79	54.00	-23.21	3.35	3	Horizontal	107	1.50	-
2437MHz	Pass	PK	4.905G	43.95	74.00	-30.05	3.31	3	Horizontal	107	1.50	-
2437MHz	Pass	AV	4.8516G	30.59	54.00	-23.41	3.19	3	Vertical	306	1.50	-
2437MHz	Pass	PK	4.8316G	44.09	74.00	-29.91	3.15	3	Vertical	306	1.50	-
2452MHz	Pass	AV	2.3888G	44.62	54.00	-9.38	32.45	3	Horizontal	351	1.92	-
2452MHz	Pass	AV	2.4568G	94.99	Inf	-Inf	32.71	3	Horizontal	351	1.92	-
2452MHz	Pass	AV	2.4896G	47.74	54.00	-6.26	32.83	3	Horizontal	351	1.92	-
2452MHz	Pass	PK	2.3796G	55.90	74.00	-18.10	32.42	3	Horizontal	351	1.92	-
2452MHz	Pass	PK	2.4576G	104.34	Inf	-Inf	32.71	3	Horizontal	351	1.92	-
2452MHz	Pass	PK	2.4876G	59.74	74.00	-14.26	32.83	3	Horizontal	351	1.92	-
2452MHz	Pass	AV	2.3848G	44.46	54.00	-9.54	32.43	3	Vertical	356	1.56	-
2452MHz	Pass	AV	2.4488G	95.99	Inf	-Inf	32.68	3	Vertical	356	1.56	-
2452MHz	Pass	AV	2.483502G	49.83	54.00	-4.17	32.81	3	Vertical	356	1.56	-
2452MHz	Pass	PK	2.3884G	55.71	74.00	-18.29	32.45	3	Vertical	356	1.56	-
2452MHz	Pass	PK	2.4492G	105.31	Inf	-Inf	32.68	3	Vertical	356	1.56	-
2452MHz	Pass	PK	2.4852G	60.60	74.00	-13.40	32.81	3	Vertical	356	1.56	-
2452MHz	Pass	AV	4.9224G	30.85	54.00	-23.15	3.35	3	Horizontal	127	1.50	-
2452MHz	Pass	PK	4.9436G	44.02	74.00	-29.98	3.39	3	Horizontal	127	1.50	-
2452MHz	Pass	AV	4.925G	30.74	54.00	-23.26	3.35	3	Vertical	242	1.50	-
2452MHz	Pass	PK	4.9204G	43.69	74.00	-30.31	3.34	3	Vertical	242	1.50	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

17/03/2018

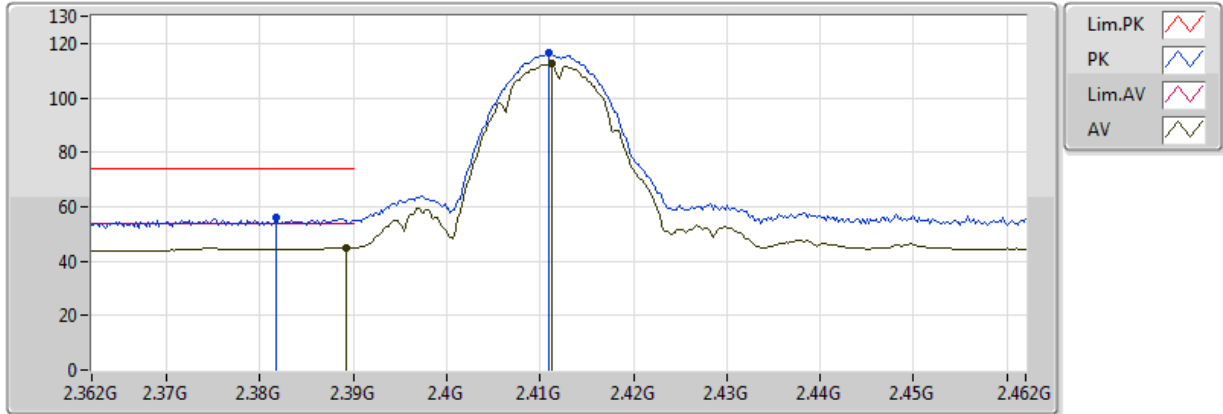


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	48.33	54.00	-5.67	32.43	3	Vertical	262	1.48	-	15.90	27.30	5.13	-
AV	2.4138G	111.42	Inf	-Inf	32.54	3	Vertical	262	1.48	-	78.88	27.38	5.17	-
PK	2.3868G	57.67	74.00	-16.33	32.44	3	Vertical	262	1.48	-	25.23	27.31	5.13	-
PK	2.4146G	115.07	Inf	-Inf	32.55	3	Vertical	262	1.48	-	82.52	27.38	5.17	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

17/03/2018

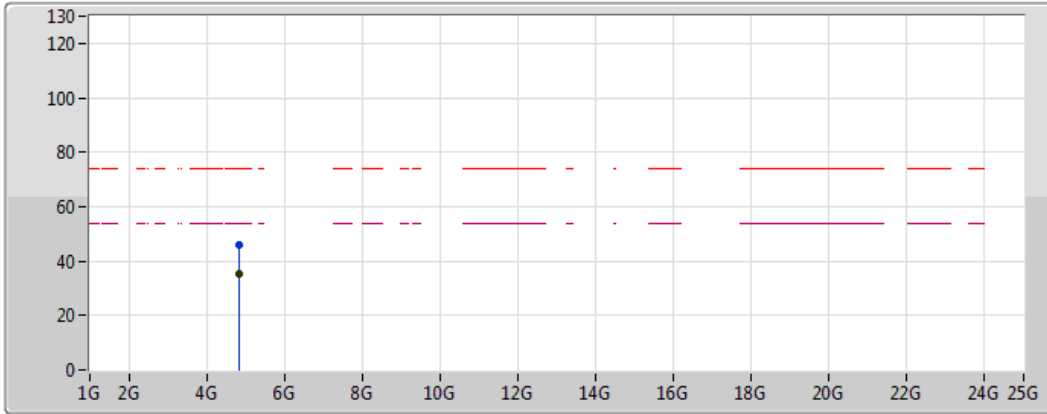


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	45.10	54.00	-8.90	32.45	3	Horizontal	15	1.55	-	12.65	27.31	5.14	-
AV	2.4112G	112.44	Inf	-Inf	32.53	3	Horizontal	15	1.55	-	79.91	27.37	5.16	-
PK	2.3818G	55.79	74.00	-18.21	32.42	3	Horizontal	15	1.55	-	23.37	27.29	5.13	-
PK	2.411G	116.35	Inf	-Inf	32.53	3	Horizontal	15	1.55	-	83.82	27.37	5.16	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

17/03/2018

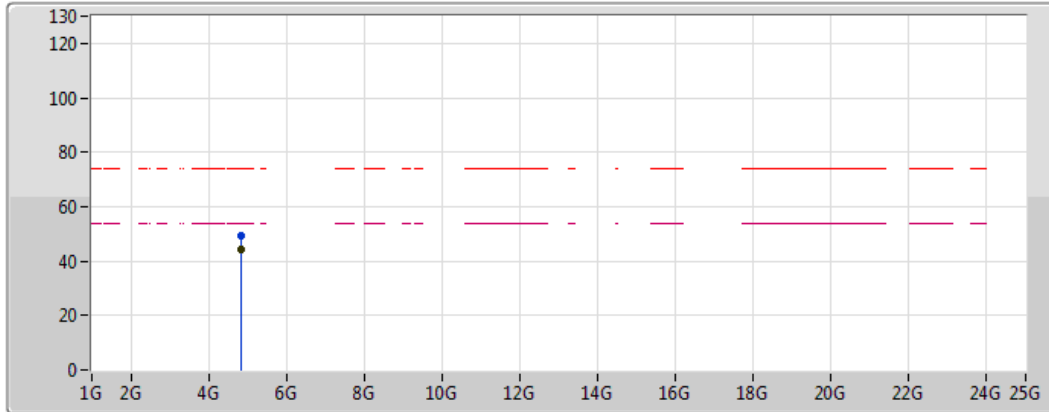


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82392G	35.23	54.00	-18.77	3.13	3	Vertical	252	1.50	-	32.10	31.28	6.43	34.59
PK	4.82383G	45.81	74.00	-28.19	3.13	3	Vertical	252	1.50	-	42.68	31.28	6.43	34.59

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

17/03/2018

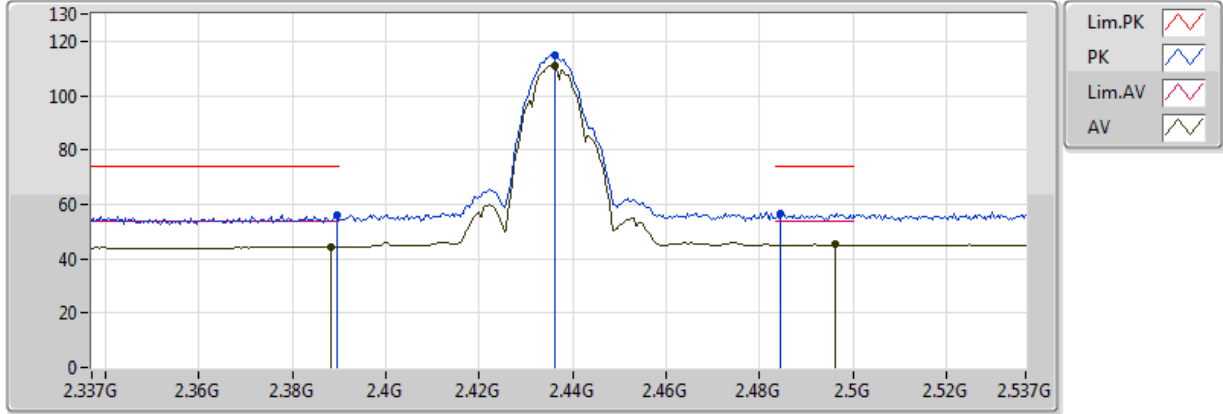


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82395G	44.43	54.00	-9.57	3.13	3	Horizontal	355	1.73	-	41.30	31.28	6.43	34.59
PK	4.82387G	49.53	74.00	-24.47	3.13	3	Horizontal	355	1.73	-	46.40	31.28	6.43	34.59

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX

17/03/2018

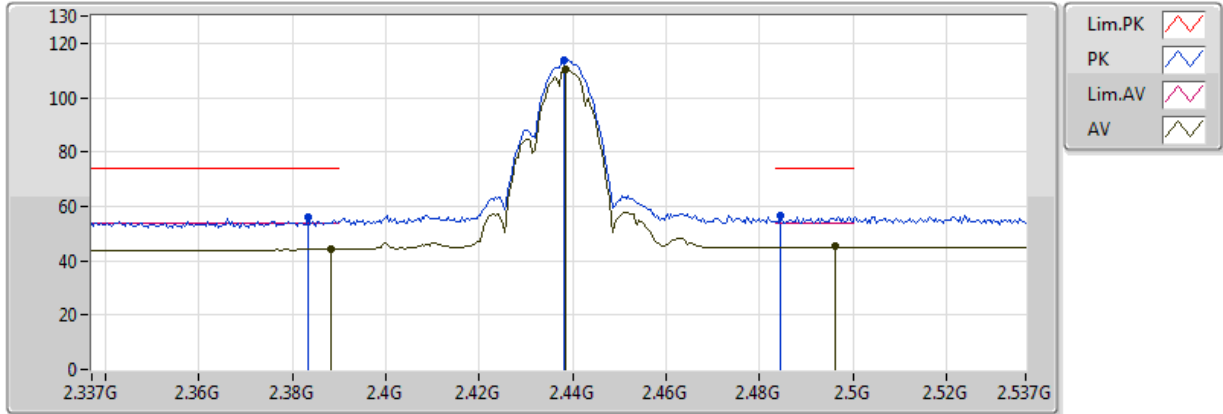


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	44.51	54.00	-9.49	32.45	3	Vertical	263	1.51	-	12.06	27.31	5.14	-
AV	2.4962G	45.37	54.00	-8.63	32.86	3	Vertical	263	1.51	-	12.51	27.59	5.27	-
AV	2.4362G	111.10	Inf	-Inf	32.63	3	Vertical	263	1.51	-	78.47	27.43	5.19	-
PK	2.3894G	56.08	74.00	-17.92	32.45	3	Vertical	263	1.51	-	23.63	27.31	5.14	-
PK	2.4846G	56.69	74.00	-17.31	32.81	3	Vertical	263	1.51	-	23.88	27.56	5.25	-
PK	2.4362G	115.05	Inf	-Inf	32.63	3	Vertical	263	1.51	-	82.42	27.43	5.19	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX

17/03/2018

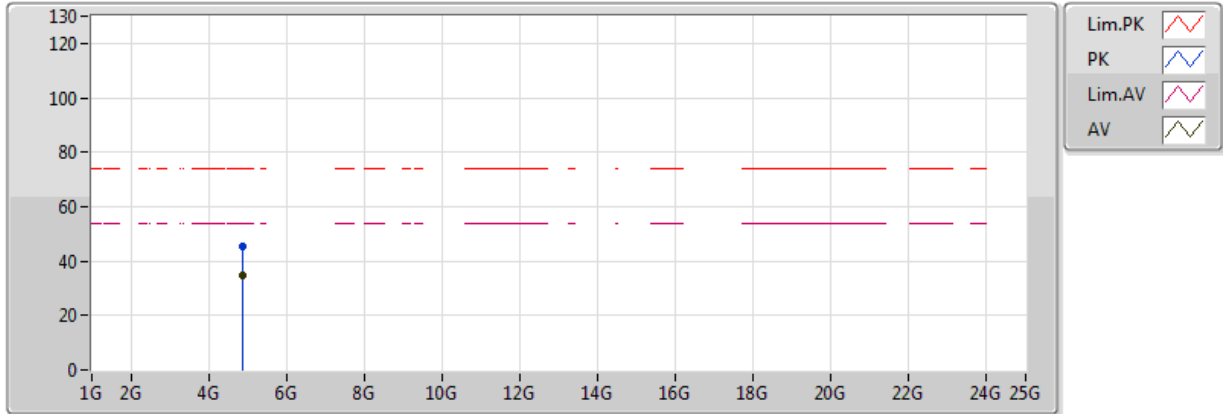


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	44.31	54.00	-9.69	32.45	3	Horizontal	350	2.15	-	11.86	27.31	5.14	-
AV	2.4962G	45.64	54.00	-8.36	32.86	3	Horizontal	350	2.15	-	12.78	27.59	5.27	-
AV	2.4386G	110.17	Inf	-Inf	32.64	3	Horizontal	350	2.15	-	77.53	27.44	5.20	-
PK	2.3834G	55.82	74.00	-18.18	32.43	3	Horizontal	350	2.15	-	23.39	27.30	5.13	-
PK	2.4846G	56.64	74.00	-17.36	32.81	3	Horizontal	350	2.15	-	23.83	27.56	5.25	-
PK	2.4382G	113.75	Inf	-Inf	32.64	3	Horizontal	350	2.15	-	81.11	27.44	5.20	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX

17/03/2018



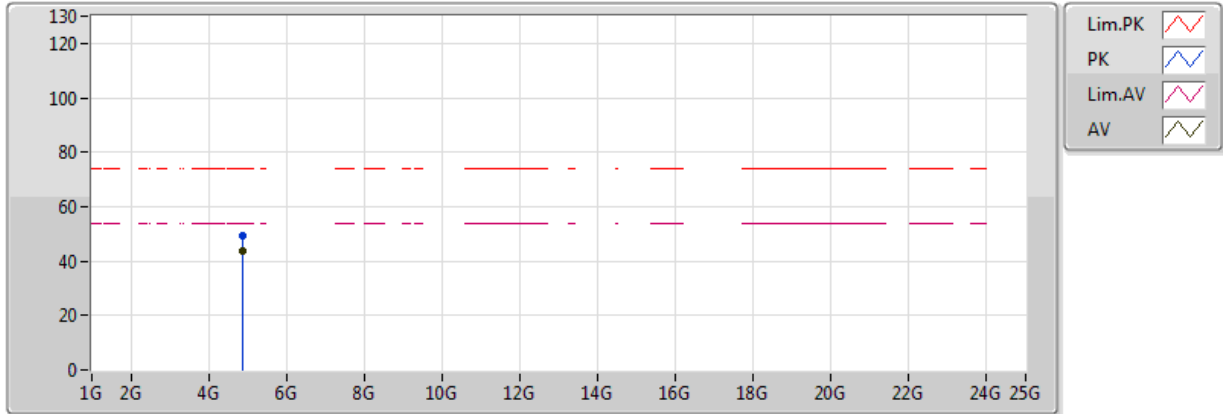
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87398G	34.71	54.00	-19.29	3.24	3	Vertical	251	1.51	-	31.47	31.37	6.44	34.58
PK	4.87404G	45.26	74.00	-28.74	3.24	3	Vertical	251	1.51	-	42.02	31.37	6.44	34.58



### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX

17/03/2018

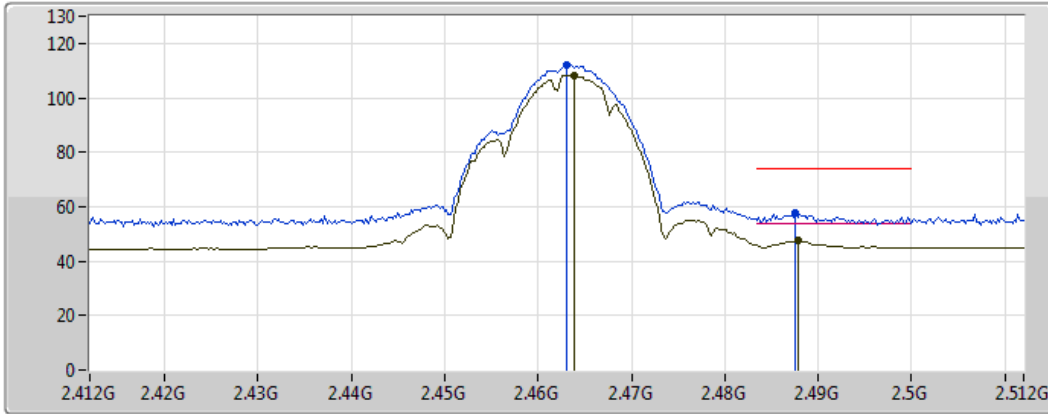


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	43.74	54.00	-10.26	3.24	3	Horizontal	356	1.48	-	40.50	31.37	6.44	34.58
PK	4.87403G	49.14	74.00	-24.86	3.24	3	Horizontal	356	1.48	-	45.90	31.37	6.44	34.58

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX

17/03/2018

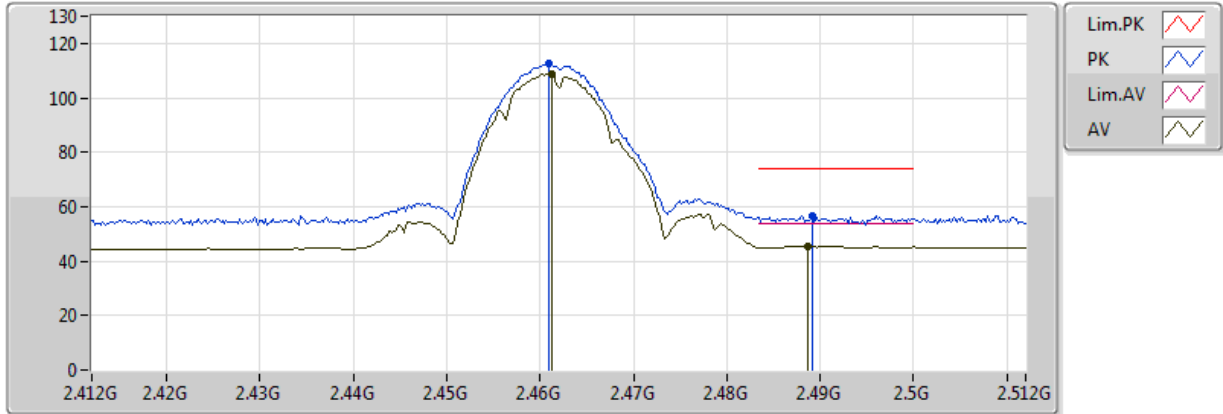


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4878G	47.44	54.00	-6.56	32.83	3	Vertical	236	1.61	-	14.61	27.57	5.26	-
AV	2.4638G	108.39	Inf	-Inf	32.73	3	Vertical	236	1.61	-	75.66	27.51	5.23	-
PK	2.4876G	57.60	74.00	-16.40	32.83	3	Vertical	236	1.61	-	24.77	27.57	5.26	-
PK	2.463G	112.16	Inf	-Inf	32.73	3	Vertical	236	1.61	-	79.43	27.50	5.23	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX

17/03/2018

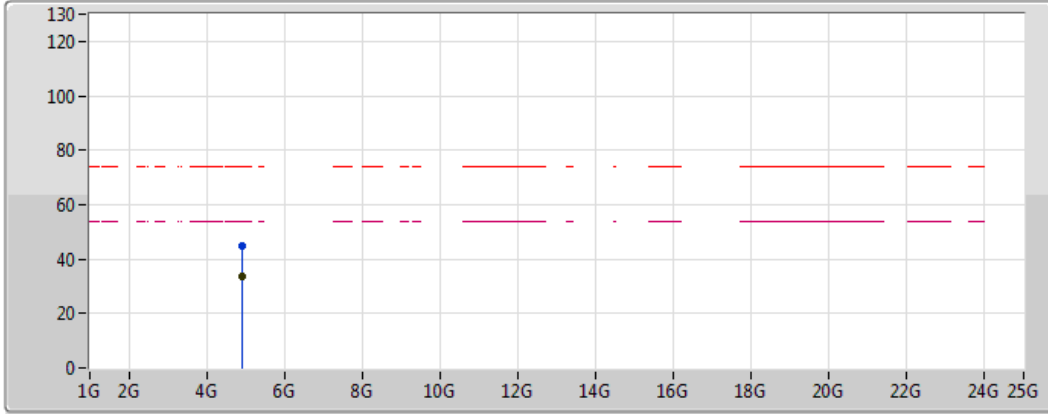


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4886G	45.58	54.00	-8.42	32.83	3	Horizontal	17	1.44	-	12.75	27.57	5.26	-
AV	2.4612G	108.86	Inf	-Inf	32.72	3	Horizontal	17	1.44	-	76.14	27.50	5.22	-
PK	2.4892G	56.85	74.00	-17.15	32.83	3	Horizontal	17	1.44	-	24.02	27.57	5.26	-
PK	2.461G	112.66	Inf	-Inf	32.72	3	Horizontal	17	1.44	-	79.94	27.50	5.22	-





### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX

17/03/2018



Legend:

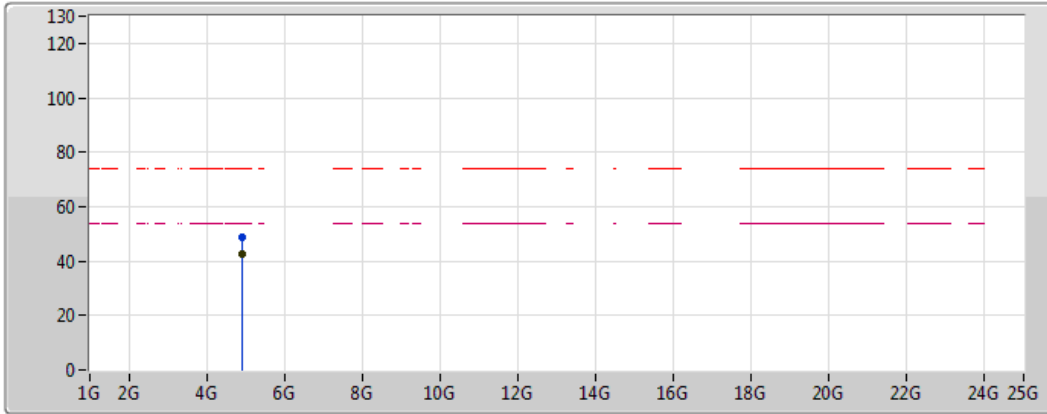
- Lim.PK 
- PK 
- Lim.AV 
- AV 





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	4.92397G	33.78	54.00	-20.22	3.35	3	Vertical	148	1.50	-	30.43	31.46	6.45	34.57
PK	4.92408G	44.84	74.00	-29.16	3.35	3	Vertical	148	1.50	-	41.49	31.46	6.45	34.57

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX

17/03/2018



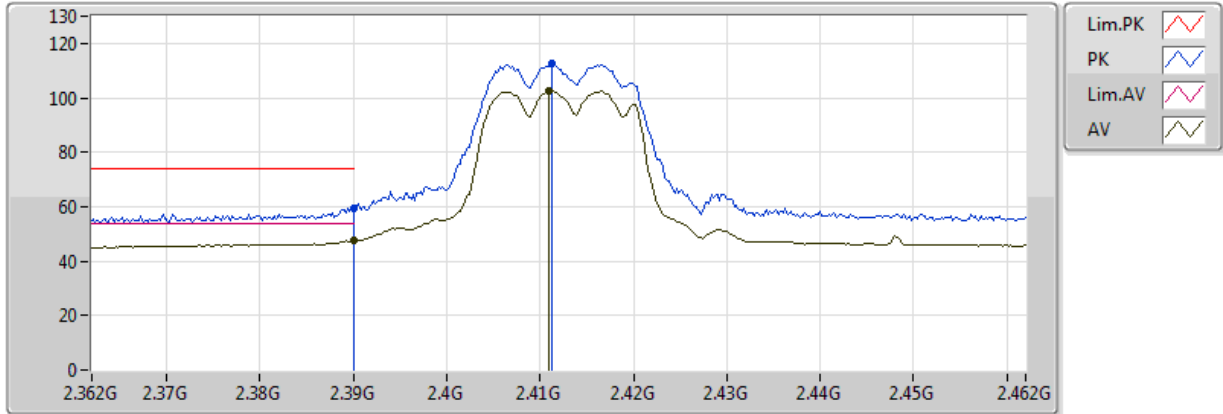
Lim.PK	
PK	
Lim.AV	
AV	

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	4.92395G	42.59	54.00	-11.41	3.35	3	Horizontal	349	1.50	-	39.24	31.46	6.45	34.57
PK	4.92397G	48.55	74.00	-25.45	3.35	3	Horizontal	349	1.50	-	45.20	31.46	6.45	34.57

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX

17/03/2018



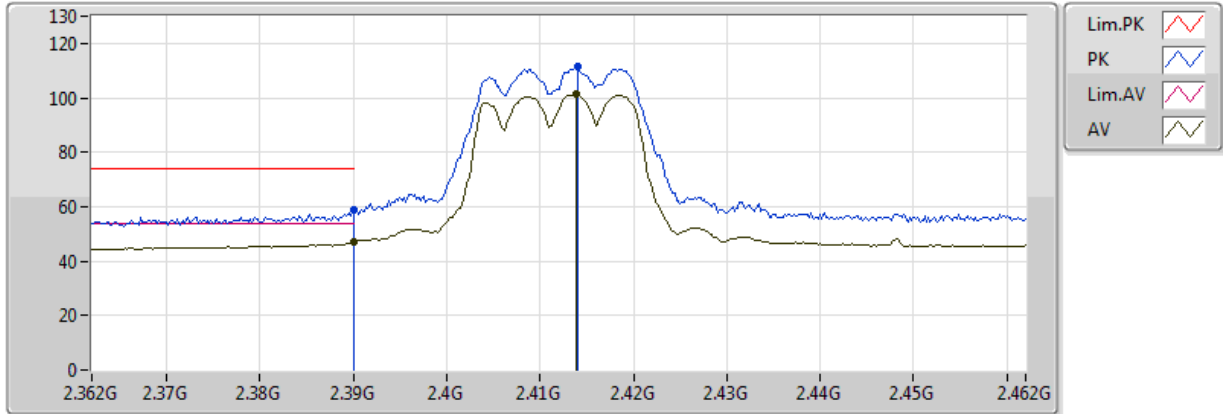
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	47.48	54.00	-6.52	32.45	3	Vertical	264	1.29	-	15.03	27.31	5.14	-
AV	2.411G	102.67	Inf	-Inf	32.53	3	Vertical	264	1.29	-	70.14	27.37	5.16	-
PK	2.389998G	59.51	74.00	-14.49	32.45	3	Vertical	264	1.29	-	27.06	27.31	5.14	-
PK	2.4112G	112.53	Inf	-Inf	32.53	3	Vertical	264	1.29	-	80.00	27.37	5.16	-



### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX

17/03/2018

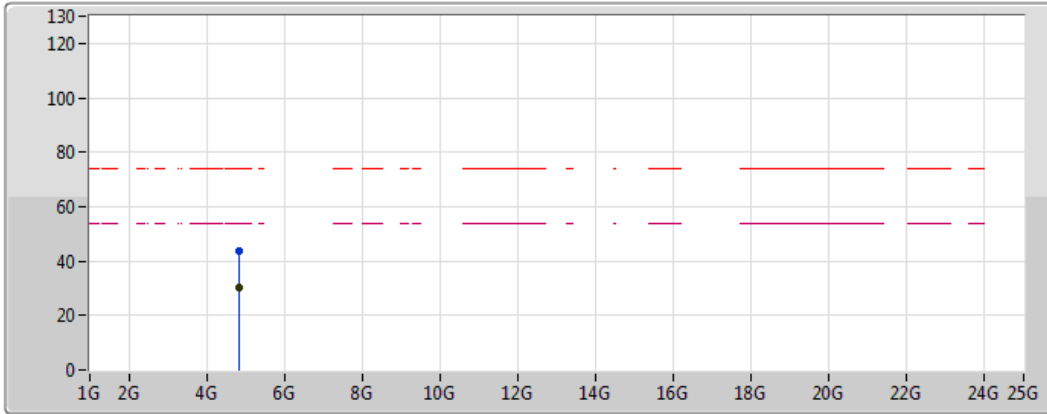






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	46.88	54.00	-7.12	32.45	3	Horizontal	351	1.83	-	14.43	27.31	5.14	-
AV	2.4138G	101.55	Inf	-Inf	32.54	3	Horizontal	351	1.83	-	69.01	27.38	5.17	-
PK	2.389998G	58.66	74.00	-15.34	32.45	3	Horizontal	351	1.83	-	26.21	27.31	5.14	-
PK	2.414G	111.54	Inf	-Inf	32.54	3	Horizontal	351	1.83	-	79.00	27.38	5.17	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX

17/03/2018



Lim.PK	
PK	
Lim.AV	
AV	

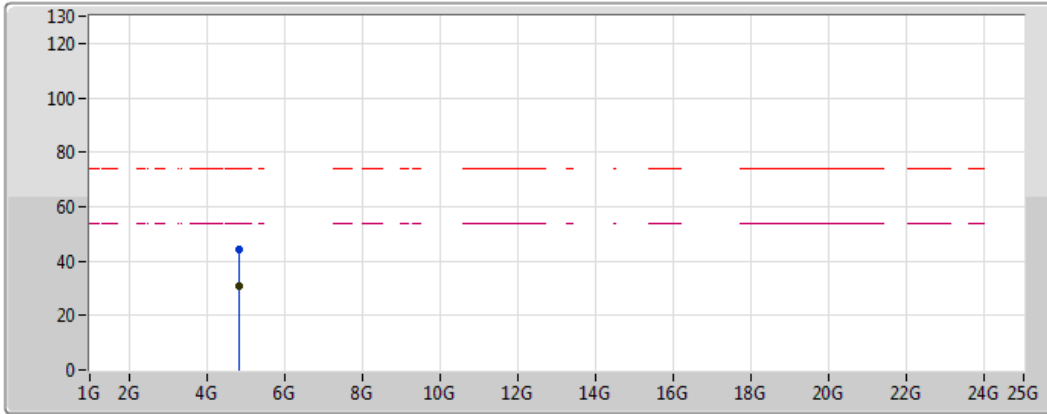
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.823G	30.29	54.00	-23.71	3.13	3	Vertical	256	1.50	-	27.16	31.28	6.43	34.59
PK	4.82996G	43.87	74.00	-30.13	3.15	3	Vertical	256	1.50	-	40.72	31.29	6.44	34.58







### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX

17/03/2018



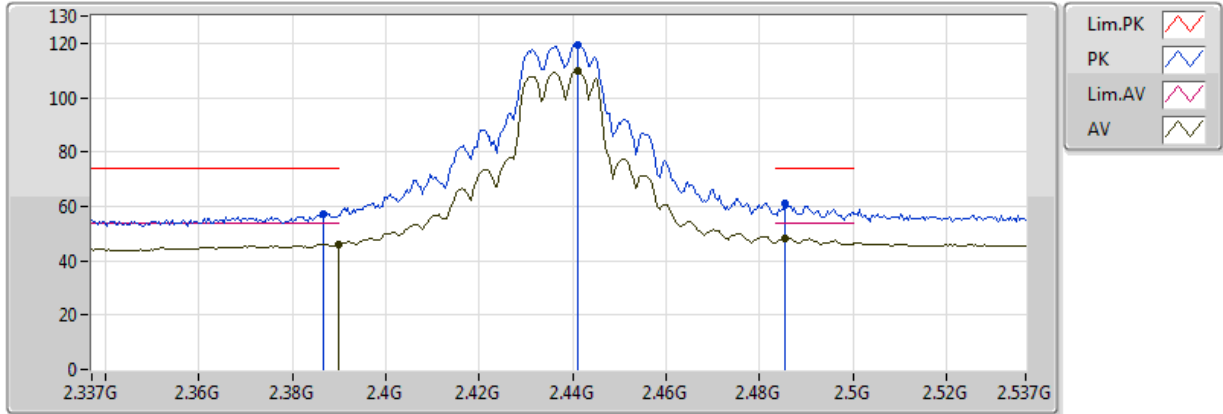
Lim.PK	
PK	
Lim.AV	
AV	

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	4.82392G	30.79	54.00	-23.21	3.13	3	Horizontal	355	1.98	-	27.66	31.28	6.43	34.59
PK	4.8326G	44.34	74.00	-29.66	3.15	3	Horizontal	355	1.98	-	41.19	31.30	6.44	34.58

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

17/03/2018

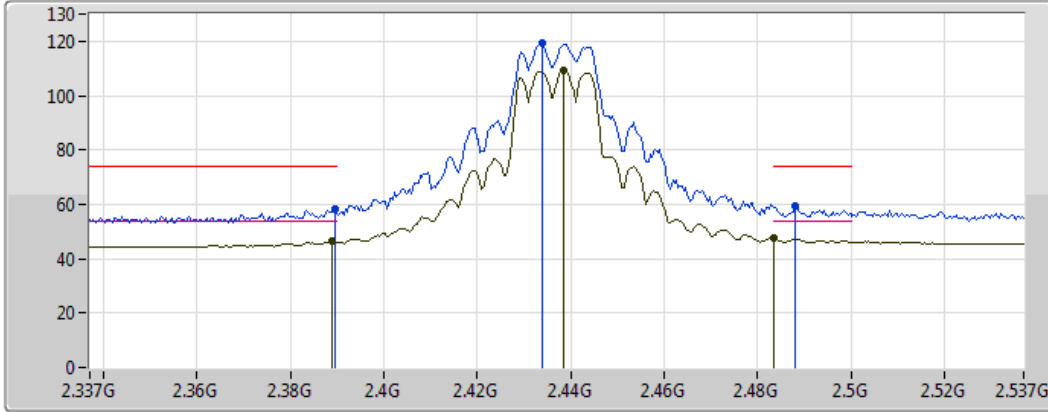


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	46.01	54.00	-7.99	32.45	3	Vertical	355	1.66	-	13.56	27.31	5.14	-
AV	2.4854G	48.25	54.00	-5.75	32.81	3	Vertical	355	1.66	-	15.44	27.56	5.25	-
AV	2.441G	109.94	Inf	-Inf	32.65	3	Vertical	355	1.66	-	77.29	27.45	5.20	-
PK	2.3866G	57.19	74.00	-16.81	32.44	3	Vertical	355	1.66	-	24.75	27.31	5.13	-
PK	2.4854G	61.12	74.00	-12.88	32.81	3	Vertical	355	1.66	-	28.31	27.56	5.25	-
PK	2.441G	119.57	Inf	-Inf	32.65	3	Vertical	355	1.66	-	86.92	27.45	5.20	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

17/03/2018

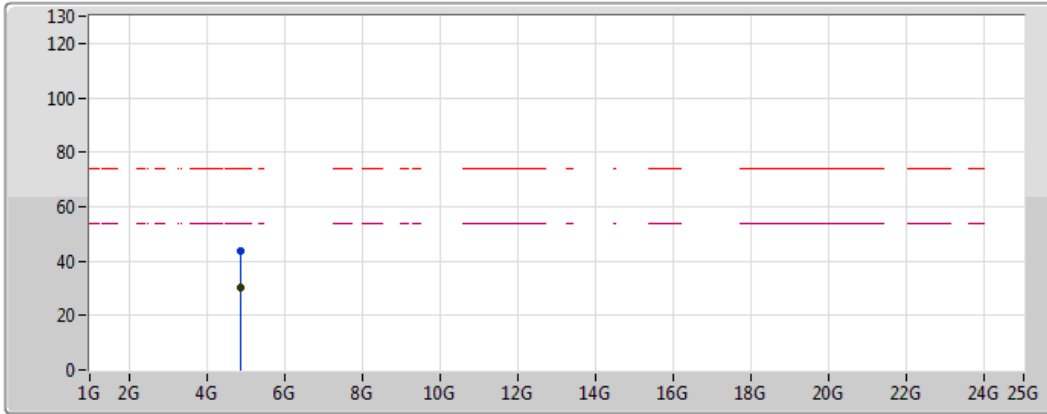


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	46.36	54.00	-7.64	32.45	3	Horizontal	33	1.92	-	13.91	27.31	5.14	-
AV	2.483502G	47.36	54.00	-6.64	32.81	3	Horizontal	33	1.92	-	14.55	27.56	5.25	-
AV	2.4386G	109.11	Inf	-Inf	32.64	3	Horizontal	33	1.92	-	76.47	27.44	5.20	-
PK	2.3894G	58.30	74.00	-15.70	32.45	3	Horizontal	33	1.92	-	25.85	27.31	5.14	-
PK	2.4882G	59.23	74.00	-14.77	32.83	3	Horizontal	33	1.92	-	26.40	27.57	5.26	-
PK	2.4338G	119.14	Inf	-Inf	32.62	3	Horizontal	33	1.92	-	86.52	27.43	5.19	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

17/03/2018

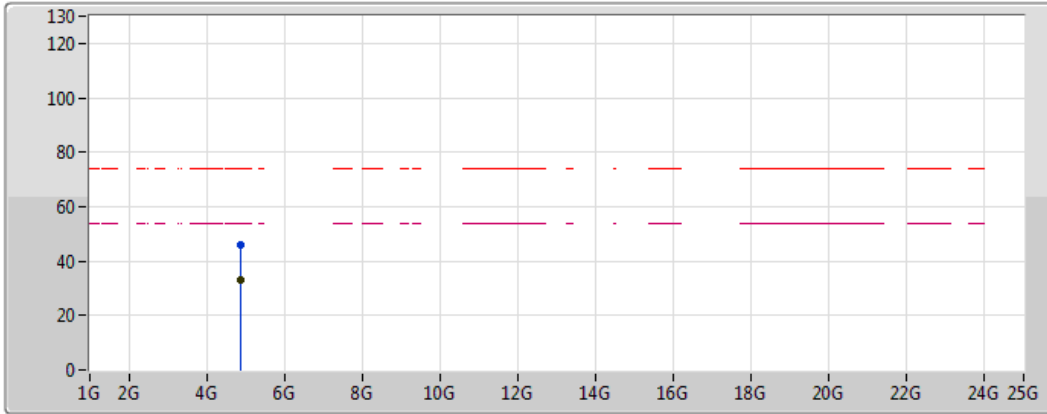


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8568G	30.36	54.00	-23.64	3.20	3	Vertical	185	1.50	-	27.16	31.34	6.44	34.58
PK	4.8699G	43.73	74.00	-30.27	3.23	3	Vertical	185	1.50	-	40.50	31.37	6.44	34.58

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

17/03/2018

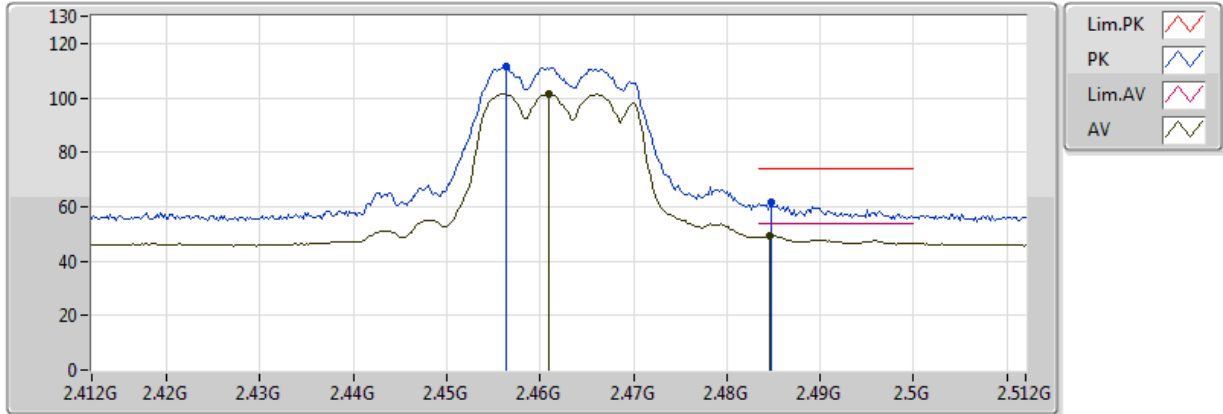


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	33.32	54.00	-20.68	3.24	3	Horizontal	357	1.50	-	30.08	31.37	6.44	34.58
PK	4.8685G	46.18	74.00	-27.82	3.23	3	Horizontal	357	1.50	-	42.95	31.36	6.44	34.58

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX

17/03/2018

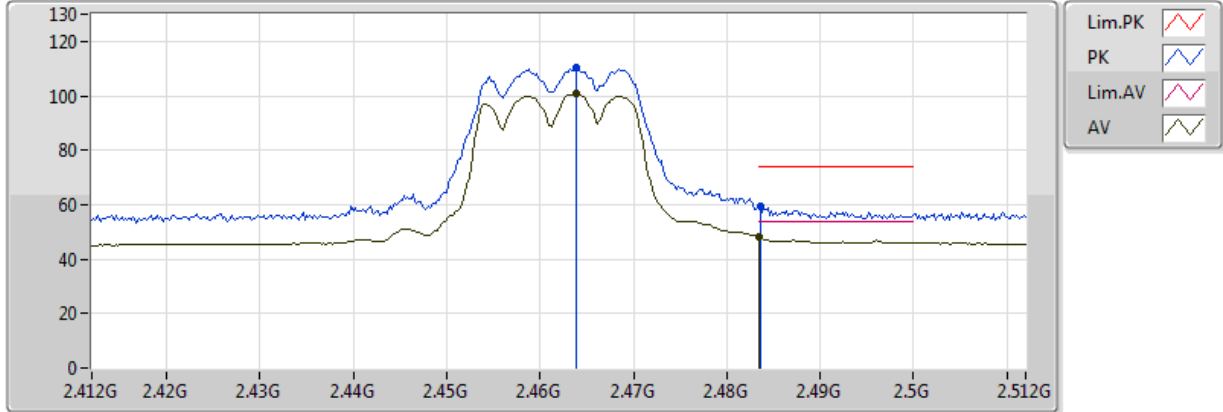


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4846G	49.37	54.00	-4.63	32.81	3	Vertical	263	1.50	-	16.56	27.56	5.25	-
AV	2.461G	101.63	Inf	-Inf	32.72	3	Vertical	263	1.50	-	68.91	27.50	5.22	-
PK	2.4848G	61.76	74.00	-12.24	32.81	3	Vertical	263	1.50	-	28.95	27.56	5.25	-
PK	2.4564G	111.42	Inf	-Inf	32.70	3	Vertical	263	1.50	-	78.72	27.49	5.22	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX

17/03/2018

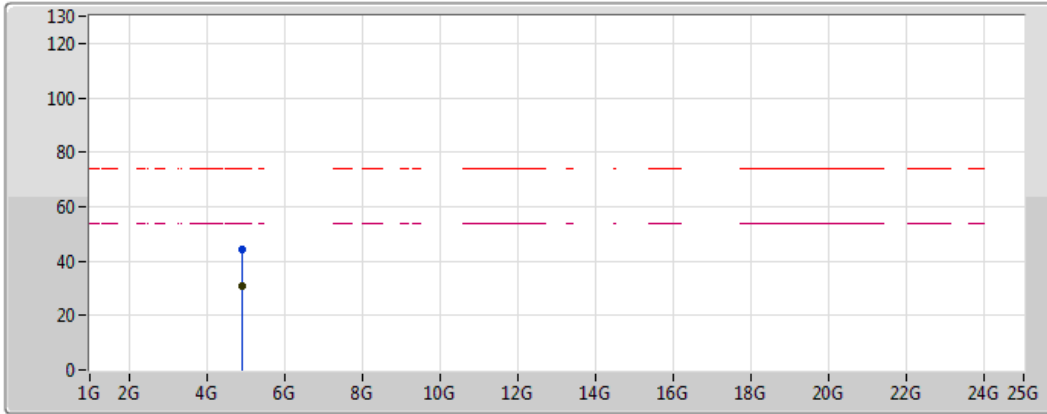


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.483502G	48.22	54.00	-5.78	32.81	3	Horizontal	19	1.47	-	15.41	27.56	5.25	-
AV	2.4638G	100.73	Inf	-Inf	32.73	3	Horizontal	19	1.47	-	68.00	27.51	5.23	-
PK	2.4836G	59.42	74.00	-14.58	32.81	3	Horizontal	19	1.47	-	26.61	27.56	5.25	-
PK	2.4638G	110.22	Inf	-Inf	32.73	3	Horizontal	19	1.47	-	77.49	27.51	5.23	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX

17/03/2018



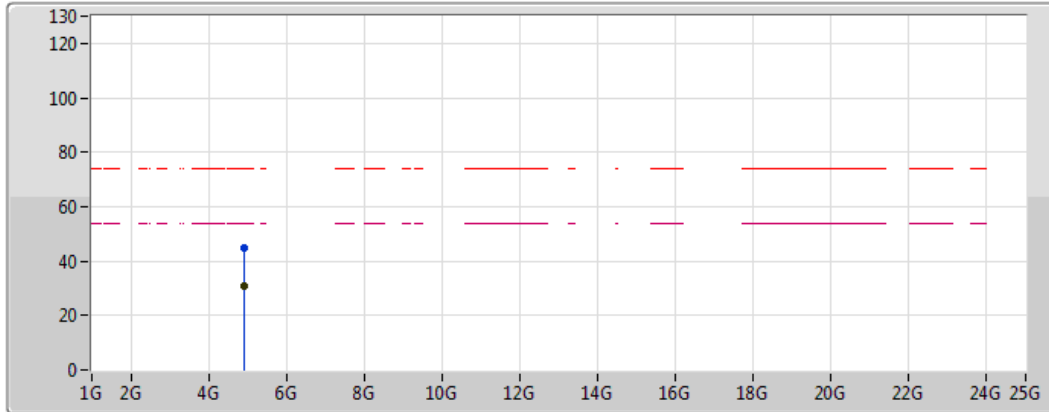
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9123G	30.67	54.00	-23.33	3.33	3	Vertical	142	1.50	-	27.34	31.44	6.45	34.57
PK	4.9109G	44.32	74.00	-29.68	3.32	3	Vertical	142	1.50	-	41.00	31.44	6.45	34.57







### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX

17/03/2018



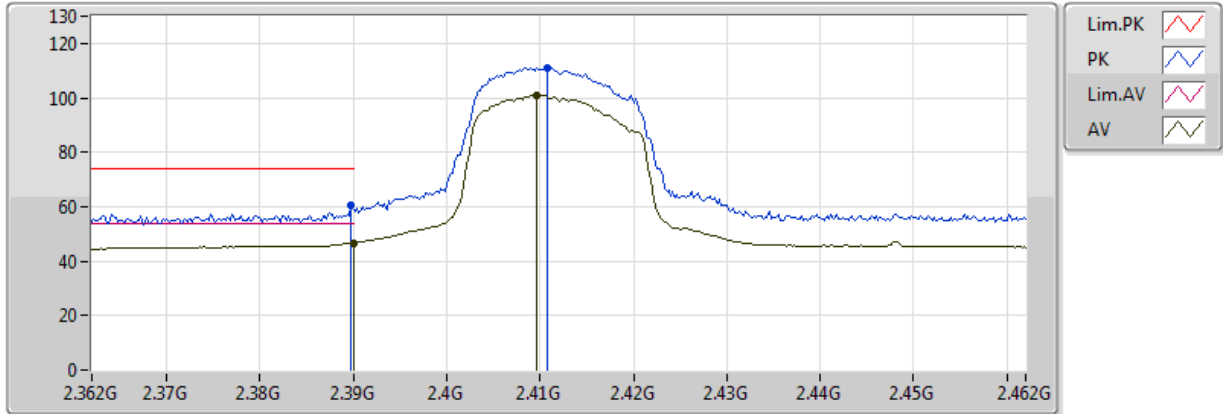
Lim.PK	
PK	
Lim.AV	
AV	

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	4.9241G	30.99	54.00	-23.01	3.35	3	Horizontal	293	1.50	-	27.64	31.46	6.45	34.57
PK	4.9288G	45.00	74.00	-29.00	3.36	3	Horizontal	293	1.50	-	41.64	31.47	6.45	34.56

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

17/03/2018

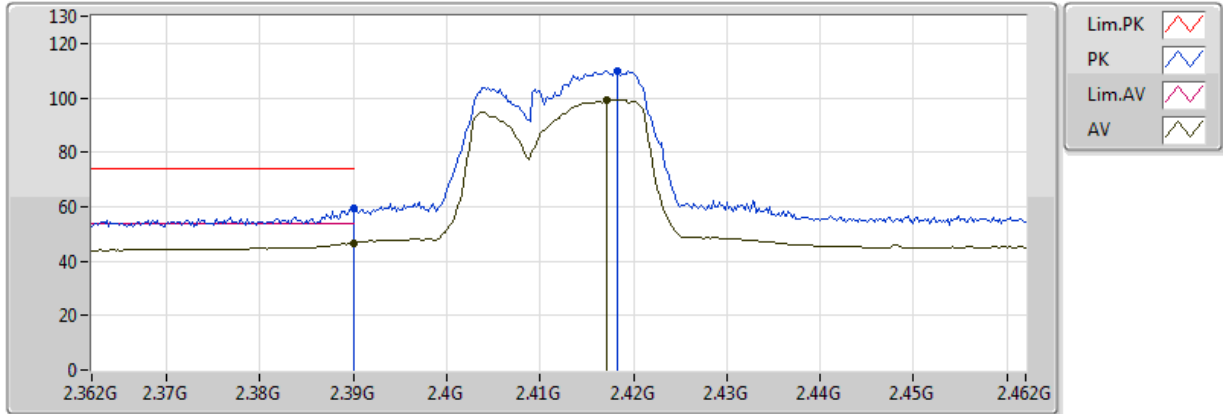


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	46.67	54.00	-7.33	32.45	3	Vertical	264	1.32	-	14.22	27.31	5.14	-
AV	2.4096G	100.81	Inf	-Inf	32.53	3	Vertical	264	1.32	-	68.28	27.36	5.16	-
PK	2.3898G	60.31	74.00	-13.69	32.45	3	Vertical	264	1.32	-	27.86	27.31	5.14	-
PK	2.4108G	110.94	Inf	-Inf	32.53	3	Vertical	264	1.32	-	78.41	27.37	5.16	-

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

17/03/2018

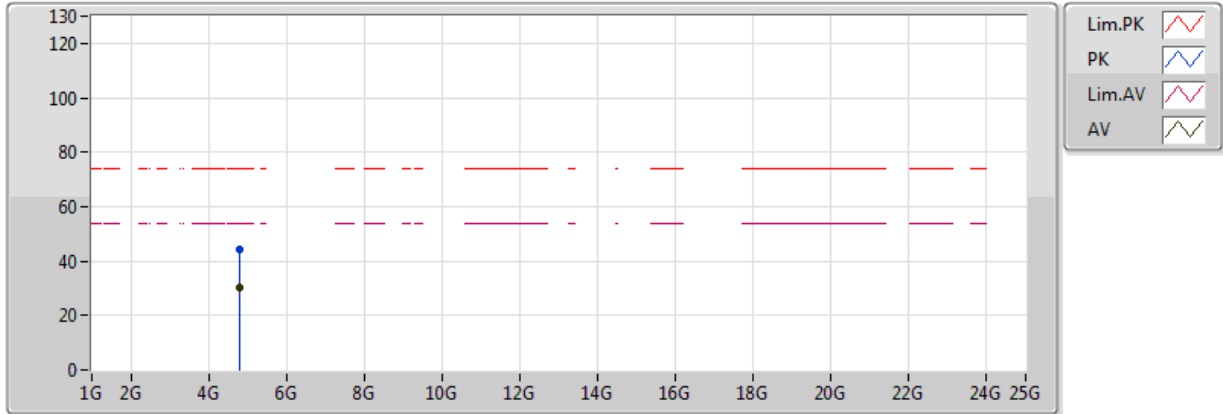


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	46.78	54.00	-7.22	32.45	3	Horizontal	350	1.85	-	14.33	27.31	5.14	-
AV	2.4172G	99.24	Inf	-Inf	32.56	3	Horizontal	350	1.85	-	66.68	27.38	5.17	-
PK	2.389998G	59.64	74.00	-14.36	32.45	3	Horizontal	350	1.85	-	27.19	27.31	5.14	-
PK	2.4182G	109.67	Inf	-Inf	32.56	3	Horizontal	350	1.85	-	77.11	27.39	5.17	-

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

17/03/2018

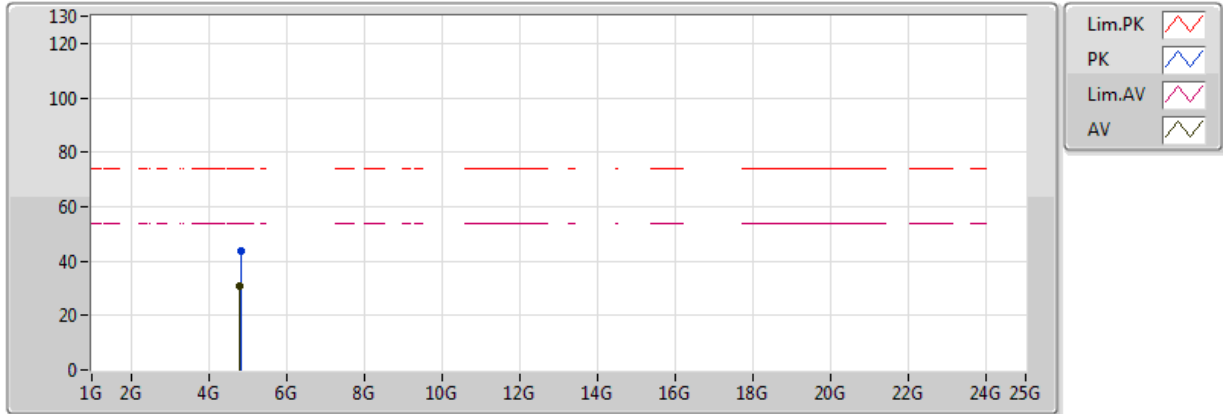


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.803G	30.41	54.00	-23.59	3.09	3	Vertical	233	1.50	-	27.32	31.25	6.43	34.59
PK	4.8116G	44.09	74.00	-29.91	3.11	3	Vertical	233	1.50	-	40.98	31.26	6.43	34.59

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

17/03/2018

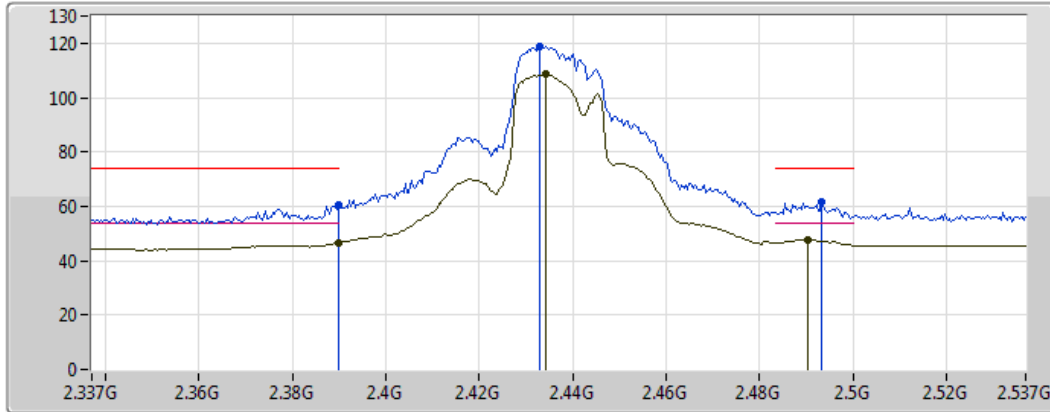


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8039G	30.57	54.00	-23.43	3.09	3	Horizontal	107	1.50	-	27.48	31.25	6.43	34.59
PK	4.839G	43.86	74.00	-30.14	3.17	3	Horizontal	107	1.50	-	40.69	31.31	6.44	34.58

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

17/03/2018



Legend for the spectrum plot:

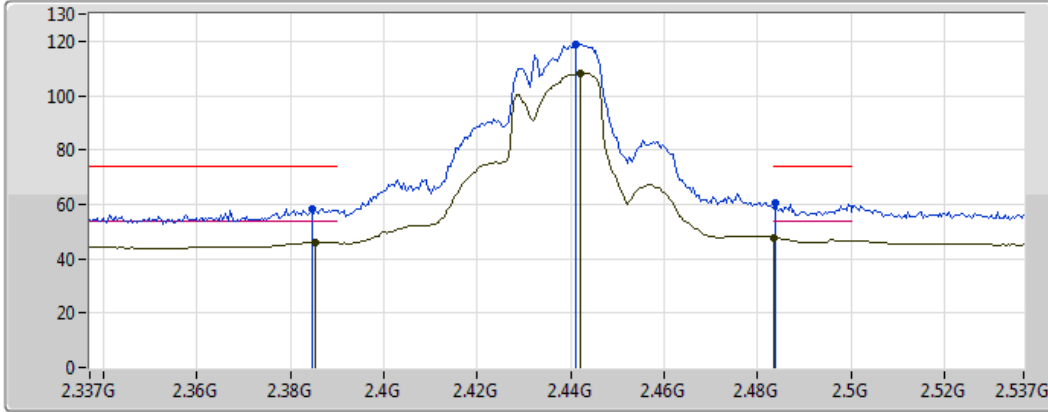
- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Red line with a valley icon
- AV: Blue line with a valley icon

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	2.3898G	46.51	54.00	-7.49	32.45	3	Vertical	265	1.50	-	14.06	27.31	5.14	-
AV	2.4902G	47.56	54.00	-6.44	32.83	3	Vertical	265	1.50	-	14.73	27.57	5.26	-
AV	2.4342G	108.48	Inf	-Inf	32.62	3	Vertical	265	1.50	-	75.86	27.43	5.19	-
PK	2.3898G	60.29	74.00	-13.71	32.45	3	Vertical	265	1.50	-	27.84	27.31	5.14	-
PK	2.4934G	61.68	74.00	-12.32	32.84	3	Vertical	265	1.50	-	28.84	27.58	5.26	-
PK	2.433G	118.54	Inf	-Inf	32.62	3	Vertical	265	1.50	-	85.92	27.43	5.19	-

802.11n HT20\_Nss1,(MCS0)\_2TX

2437MHz\_TX

17/03/2018



Legend for the spectrum plot:

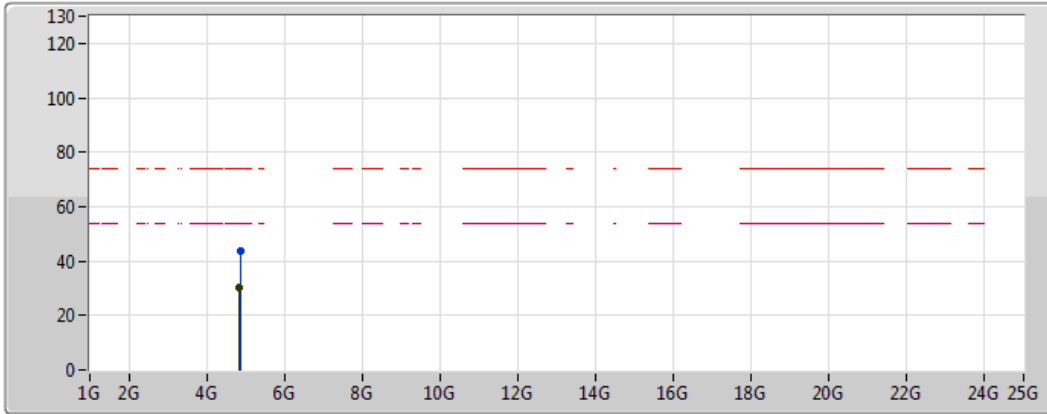
- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Red line with a valley icon
- AV: Blue line with a valley icon





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	2.3854G	45.86	54.00	-8.14	32.43	3	Horizontal	349	1.97	-	13.43	27.30	5.13	-
AV	2.483502G	47.71	54.00	-6.29	32.81	3	Horizontal	349	1.97	-	14.90	27.56	5.25	-
AV	2.4422G	108.28	Inf	-Inf	32.65	3	Horizontal	349	1.97	-	75.63	27.45	5.20	-
PK	2.3846G	58.41	74.00	-15.59	32.43	3	Horizontal	349	1.97	-	25.98	27.30	5.13	-
PK	2.4838G	60.51	74.00	-13.49	32.81	3	Horizontal	349	1.97	-	27.70	27.56	5.25	-
PK	2.441G	118.90	Inf	-Inf	32.65	3	Horizontal	349	1.97	-	86.25	27.45	5.20	-

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

17/03/2018



Lim.PK	
PK	
Lim.AV	
AV	

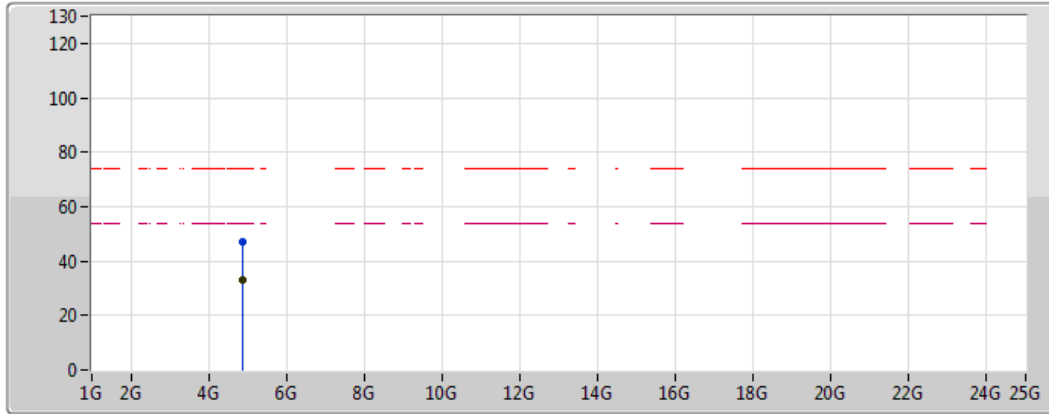
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8551G	30.26	54.00	-23.74	3.20	3	Vertical	244	1.50	-	27.06	31.34	6.44	34.58
PK	4.8875G	43.91	74.00	-30.09	3.27	3	Vertical	244	1.50	-	40.64	31.40	6.45	34.57



### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

17/03/2018

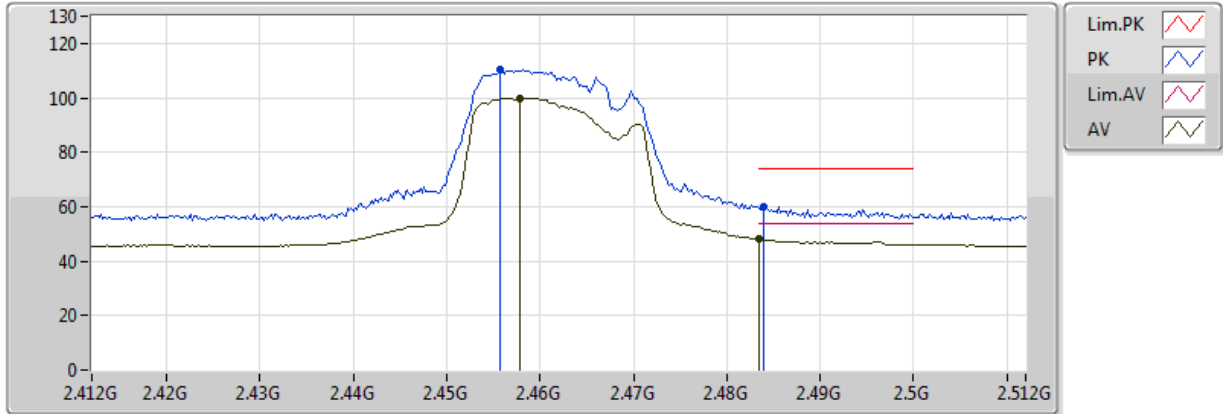


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8739G	33.24	54.00	-20.76	3.24	3	Horizontal	356	1.50	-	30.00	31.37	6.44	34.58
PK	4.8724G	46.97	74.00	-27.03	3.24	3	Horizontal	356	1.50	-	43.73	31.37	6.44	34.58

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

17/03/2018

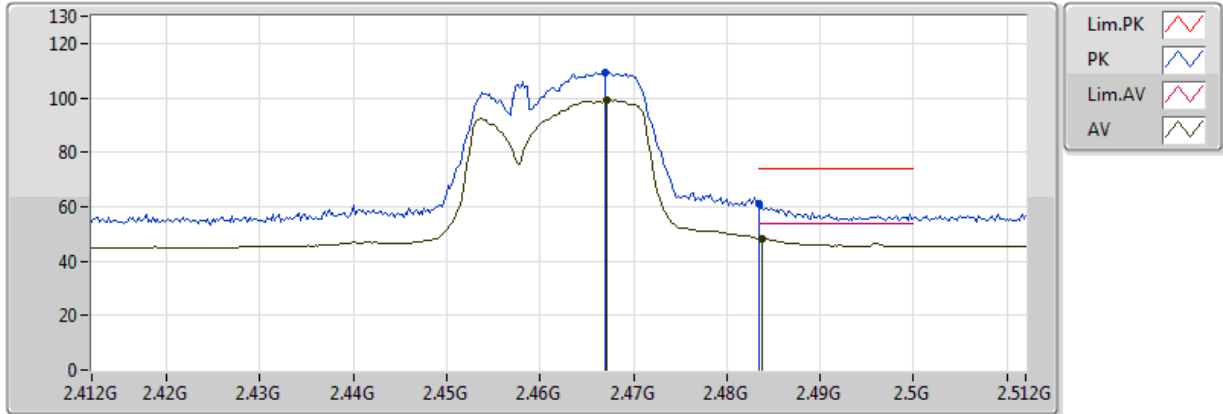


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.483502G	47.91	54.00	-6.09	32.81	3	Vertical	263	1.51	-	15.10	27.56	5.25	-
AV	2.4578G	99.98	Inf	-Inf	32.71	3	Vertical	263	1.51	-	67.27	27.49	5.22	-
PK	2.484G	60.18	74.00	-13.82	32.81	3	Vertical	263	1.51	-	27.37	27.56	5.25	-
PK	2.4558G	110.25	Inf	-Inf	32.70	3	Vertical	263	1.51	-	77.55	27.49	5.22	-

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

17/03/2018

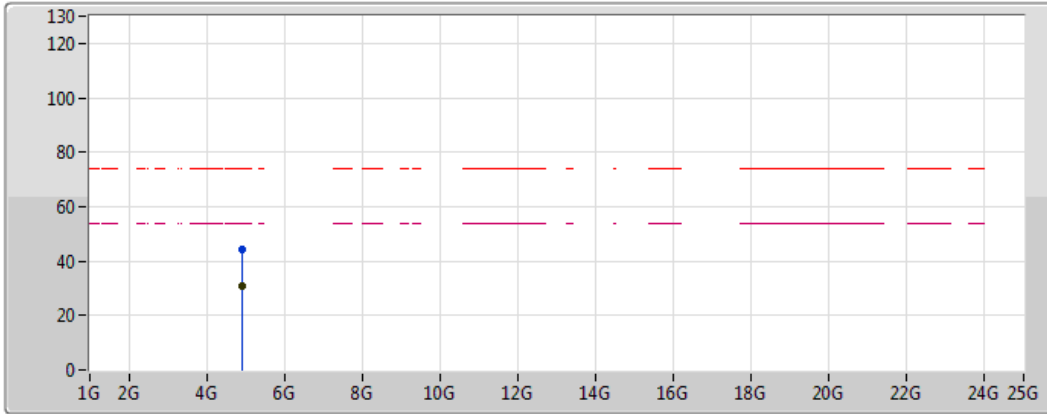


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4838G	48.28	54.00	-5.72	32.81	3	Horizontal	27	1.77	-	15.47	27.56	5.25	-
AV	2.4672G	99.04	Inf	-Inf	32.75	3	Horizontal	27	1.77	-	66.29	27.51	5.23	-
PK	2.483502G	61.02	74.00	-12.98	32.81	3	Horizontal	27	1.77	-	28.21	27.56	5.25	-
PK	2.467G	109.46	Inf	-Inf	32.74	3	Horizontal	27	1.77	-	76.72	27.51	5.23	-





### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

17/03/2018



Legend for the spectrum plot:

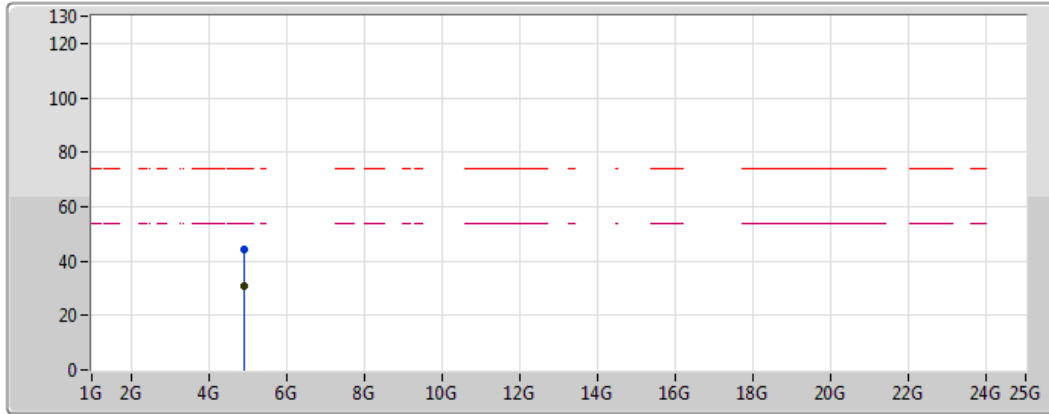
- Lim.PK 
- PK 
- Lim.AV 
- AV 

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	4.921G	30.59	54.00	-23.41	3.34	3	Vertical	117	1.50	-	27.25	31.46	6.45	34.57
PK	4.9137G	44.51	74.00	-29.49	3.33	3	Vertical	117	1.50	-	41.18	31.44	6.45	34.57

### 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

17/03/2018

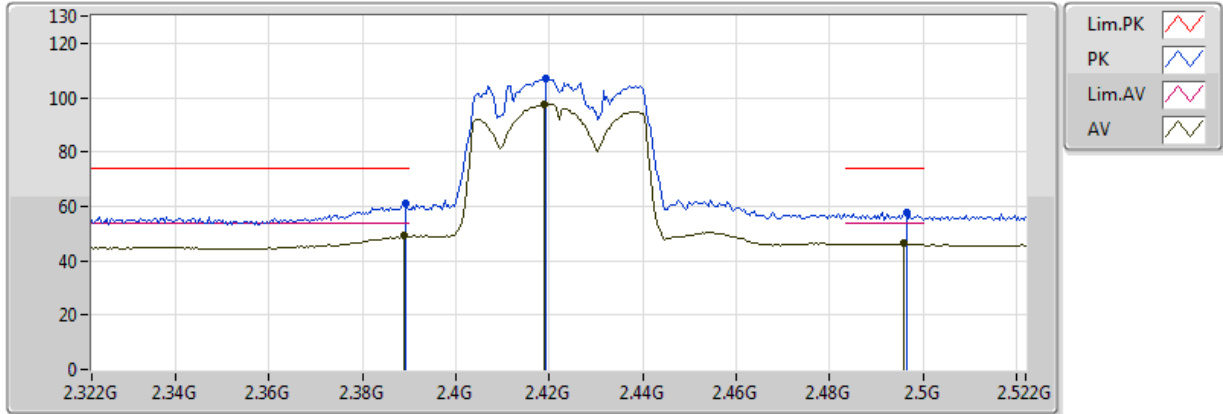


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9236G	30.89	54.00	-23.11	3.35	3	Horizontal	192	1.50	-	27.54	31.46	6.45	34.57
PK	4.9315G	44.10	74.00	-29.90	3.37	3	Horizontal	192	1.50	-	40.73	31.48	6.45	34.56

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

17/03/2018

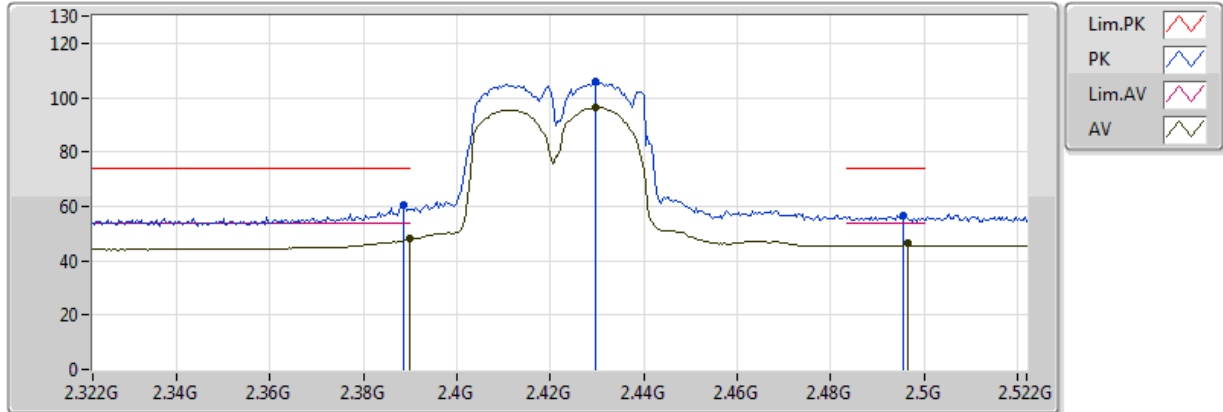


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	49.14	54.00	-4.86	32.45	3	Vertical	264	1.46	-	16.69	27.31	5.14	-
AV	2.496G	46.50	54.00	-7.50	32.86	3	Vertical	264	1.46	-	13.64	27.59	5.27	-
AV	2.4188G	97.69	Inf	-Inf	32.56	3	Vertical	264	1.46	-	65.13	27.39	5.17	-
PK	2.3892G	61.30	74.00	-12.70	32.45	3	Vertical	264	1.46	-	28.85	27.31	5.14	-
PK	2.4964G	57.94	74.00	-16.06	32.86	3	Vertical	264	1.46	-	25.08	27.59	5.27	-
PK	2.4192G	106.83	Inf	-Inf	32.56	3	Vertical	264	1.46	-	74.27	27.39	5.17	-

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

17/03/2018

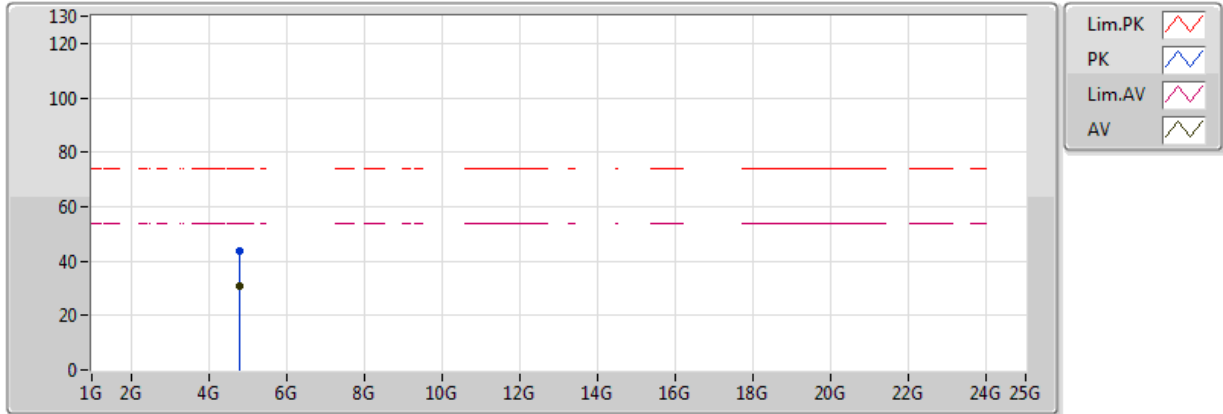


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	48.01	54.00	-5.99	32.45	3	Horizontal	30	1.96	-	15.56	27.31	5.14	-
AV	2.4964G	46.47	54.00	-7.53	32.86	3	Horizontal	30	1.96	-	13.61	27.59	5.27	-
AV	2.4296G	96.28	Inf	-Inf	32.60	3	Horizontal	30	1.96	-	63.68	27.42	5.19	-
PK	2.3884G	60.24	74.00	-13.76	32.45	3	Horizontal	30	1.96	-	27.79	27.31	5.14	-
PK	2.4956G	56.48	74.00	-17.52	32.85	3	Horizontal	30	1.96	-	23.63	27.59	5.26	-
PK	2.4296G	105.66	Inf	-Inf	32.60	3	Horizontal	30	1.96	-	73.06	27.42	5.19	-

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

17/03/2018



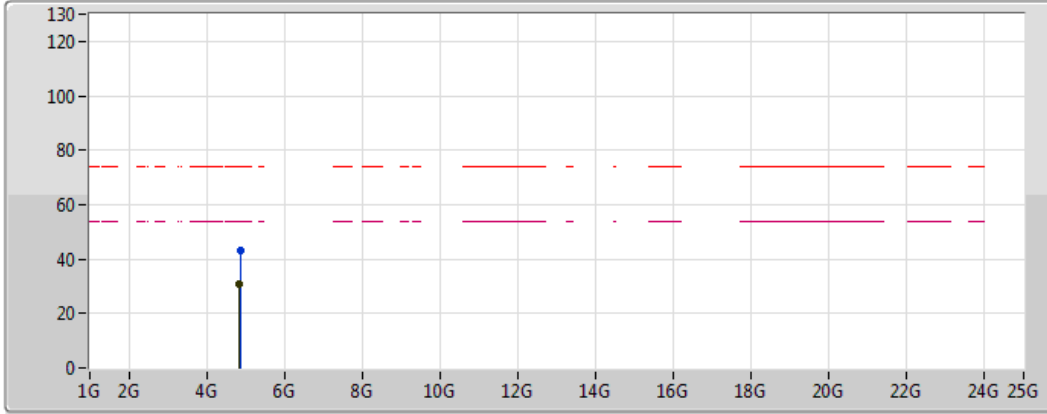
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.7964G	30.57	54.00	-23.43	3.07	3	Vertical	251	1.50	-	27.50	31.23	6.43	34.59
PK	4.7988G	43.48	74.00	-30.52	3.08	3	Vertical	251	1.50	-	40.40	31.24	6.43	34.59







### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

17/03/2018



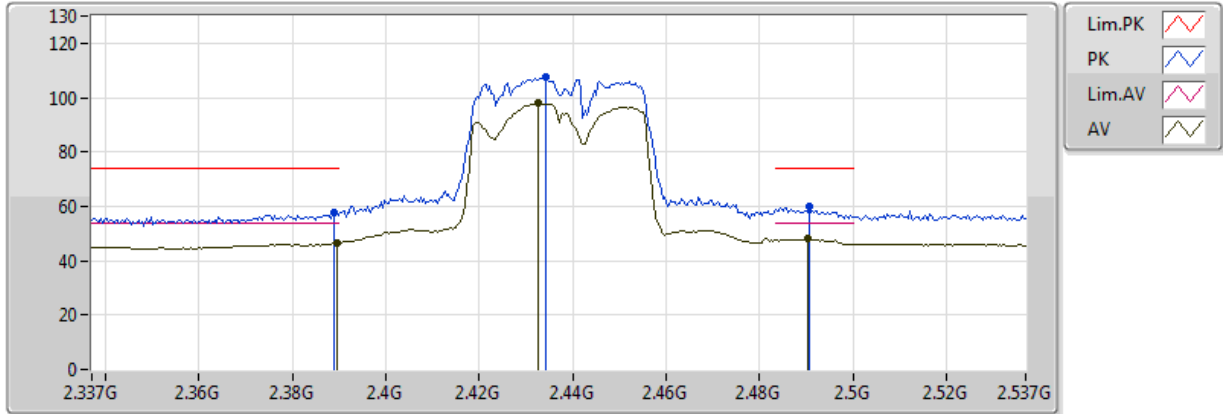
Lim.PK	
PK	
Lim.AV	
AV	

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	4.8525G	30.71	54.00	-23.29	3.20	3	Horizontal	132	1.50	-	27.51	31.33	6.44	34.58
PK	4.8816G	43.34	74.00	-30.66	3.26	3	Horizontal	132	1.50	-	40.08	31.39	6.45	34.57

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

17/03/2018

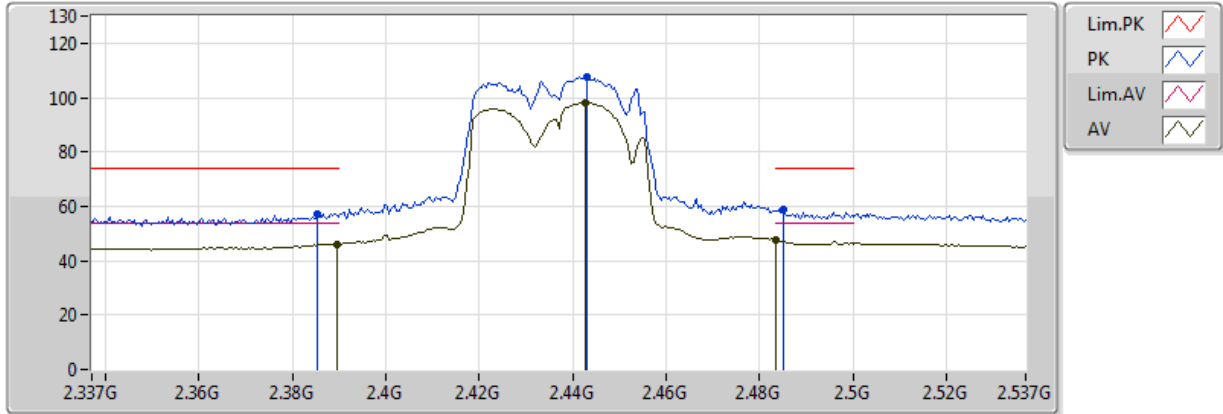


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	46.51	54.00	-7.49	32.45	3	Vertical	266	1.30	-	14.06	27.31	5.14	-
AV	2.4902G	48.13	54.00	-5.87	32.83	3	Vertical	266	1.30	-	15.30	27.57	5.26	-
AV	2.4326G	97.89	Inf	-Inf	32.61	3	Vertical	266	1.30	-	65.28	27.42	5.19	-
PK	2.389G	57.49	74.00	-16.51	32.45	3	Vertical	266	1.30	-	25.04	27.31	5.14	-
PK	2.4906G	59.88	74.00	-14.12	32.84	3	Vertical	266	1.30	-	27.04	27.58	5.26	-
PK	2.4342G	107.59	Inf	-Inf	32.62	3	Vertical	266	1.30	-	74.97	27.43	5.19	-

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

17/03/2018

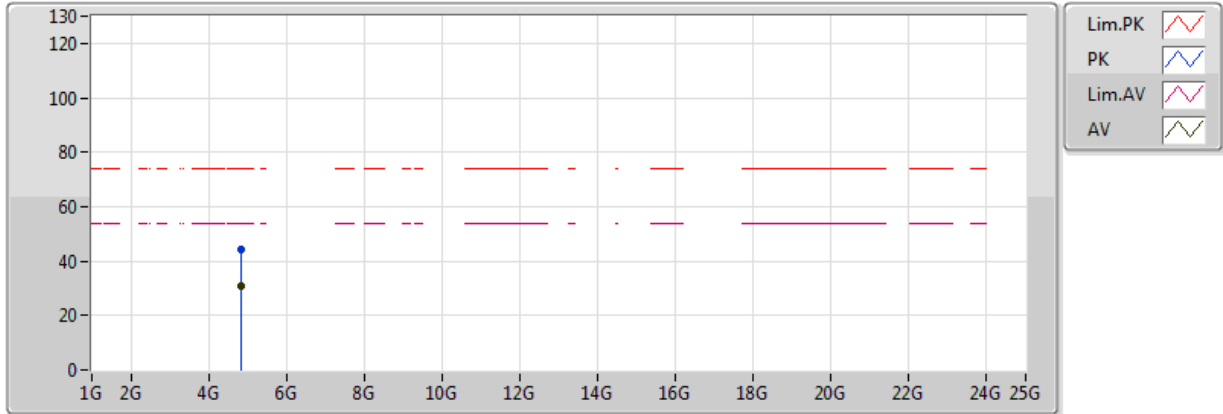


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	46.21	54.00	-7.79	32.45	3	Horizontal	338	2.04	-	13.76	27.31	5.14	-
AV	2.483502G	47.77	54.00	-6.23	32.81	3	Horizontal	338	2.04	-	14.96	27.56	5.25	-
AV	2.4426G	98.16	Inf	-Inf	32.65	3	Horizontal	338	2.04	-	65.51	27.45	5.20	-
PK	2.3854G	57.04	74.00	-16.96	32.43	3	Horizontal	338	2.04	-	24.61	27.30	5.13	-
PK	2.485G	58.69	74.00	-15.31	32.81	3	Horizontal	338	2.04	-	25.88	27.56	5.25	-
PK	2.443G	107.37	Inf	-Inf	32.65	3	Horizontal	338	2.04	-	74.72	27.45	5.20	-

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

17/03/2018

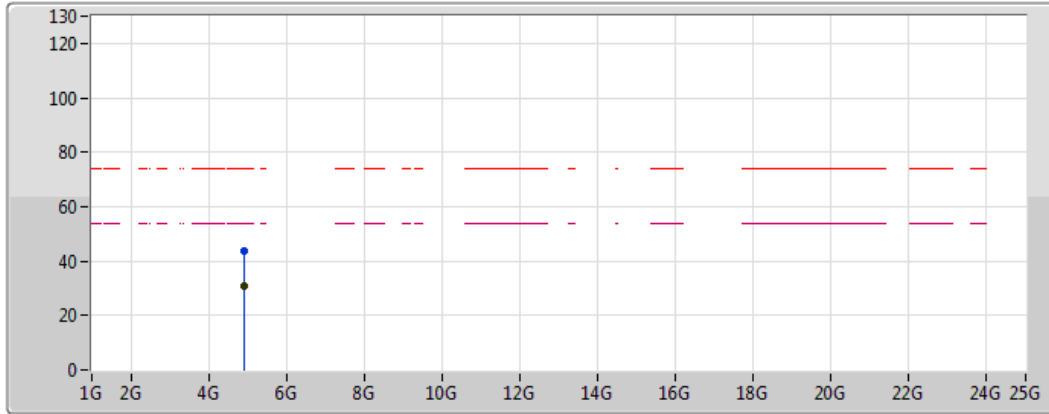


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8516G	30.59	54.00	-23.41	3.19	3	Vertical	306	1.50	-	27.40	31.33	6.44	34.58
PK	4.8316G	44.09	74.00	-29.91	3.15	3	Vertical	306	1.50	-	40.94	31.30	6.44	34.58





### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

17/03/2018



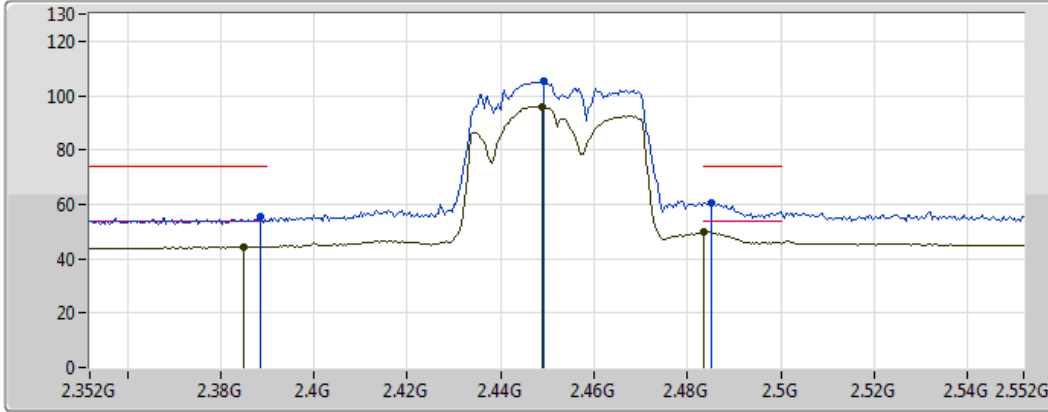
Legend:

- 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	4.9232G	30.79	54.00	-23.21	3.35	3	Horizontal	107	1.50	-	27.44	31.46	6.45	34.57
PK	4.905G	43.95	74.00	-30.05	3.31	3	Horizontal	107	1.50	-	40.64	31.43	6.45	34.57

**802.11n HT40\_Nss1,(MCS0)\_2TX  
2452MHz\_TX**

17/03/2018



Legend for the spectrum plot:

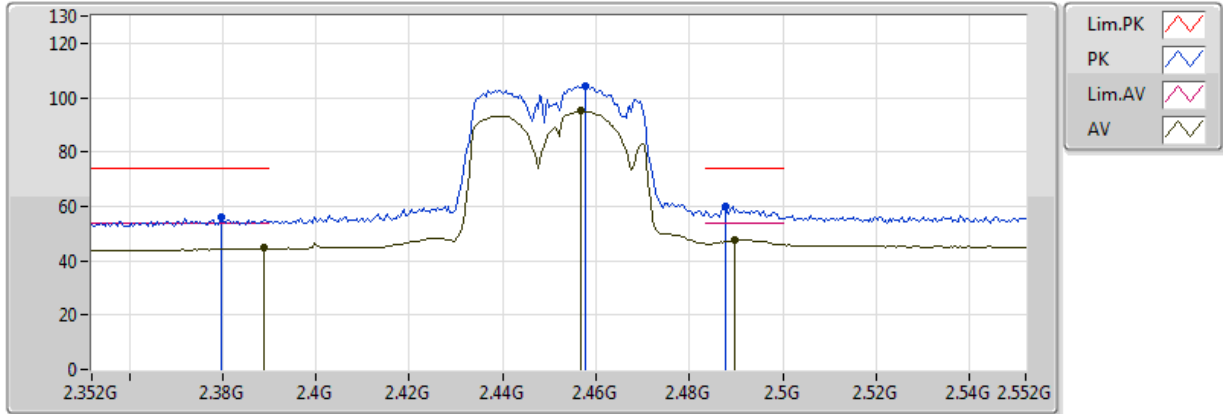
- Lim.PK 
- PK 
- Lim.AV 
- AV 

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	2.3848G	44.46	54.00	-9.54	32.43	3	Vertical	356	1.56	-	12.03	27.30	5.13	-
AV	2.483502G	49.83	54.00	-4.17	32.81	3	Vertical	356	1.56	-	17.02	27.56	5.25	-
AV	2.4488G	95.99	Inf	-Inf	32.68	3	Vertical	356	1.56	-	63.31	27.47	5.21	-
PK	2.3884G	55.71	74.00	-18.29	32.45	3	Vertical	356	1.56	-	23.26	27.31	5.14	-
PK	2.4852G	60.60	74.00	-13.40	32.81	3	Vertical	356	1.56	-	27.79	27.56	5.25	-
PK	2.4492G	105.31	Inf	-Inf	32.68	3	Vertical	356	1.56	-	72.63	27.47	5.21	-

### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX

17/03/2018

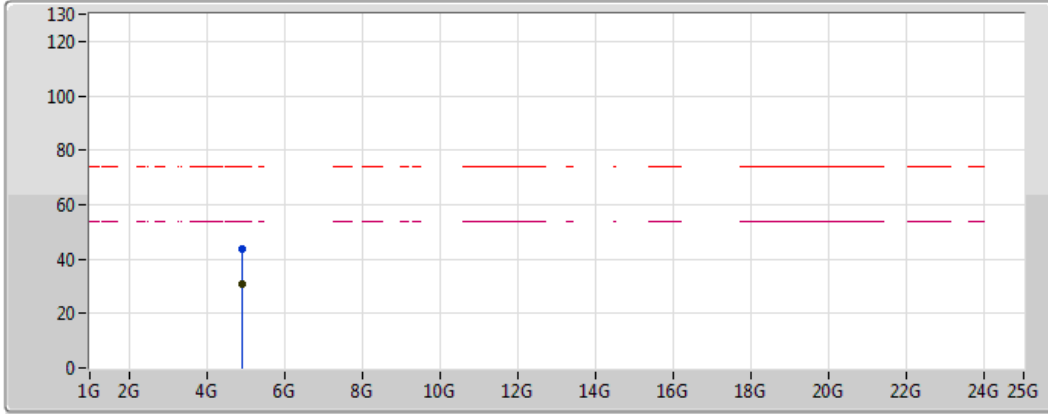


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	44.62	54.00	-9.38	32.45	3	Horizontal	351	1.92	-	12.17	27.31	5.14	-
AV	2.4896G	47.74	54.00	-6.26	32.83	3	Horizontal	351	1.92	-	14.91	27.57	5.26	-
AV	2.4568G	94.99	Inf	-Inf	32.71	3	Horizontal	351	1.92	-	62.28	27.49	5.22	-
PK	2.3796G	55.90	74.00	-18.10	32.42	3	Horizontal	351	1.92	-	23.48	27.29	5.13	-
PK	2.4876G	59.74	74.00	-14.26	32.83	3	Horizontal	351	1.92	-	26.91	27.57	5.26	-
PK	2.4576G	104.34	Inf	-Inf	32.71	3	Horizontal	351	1.92	-	71.63	27.49	5.22	-





### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX

17/03/2018



Legend:

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

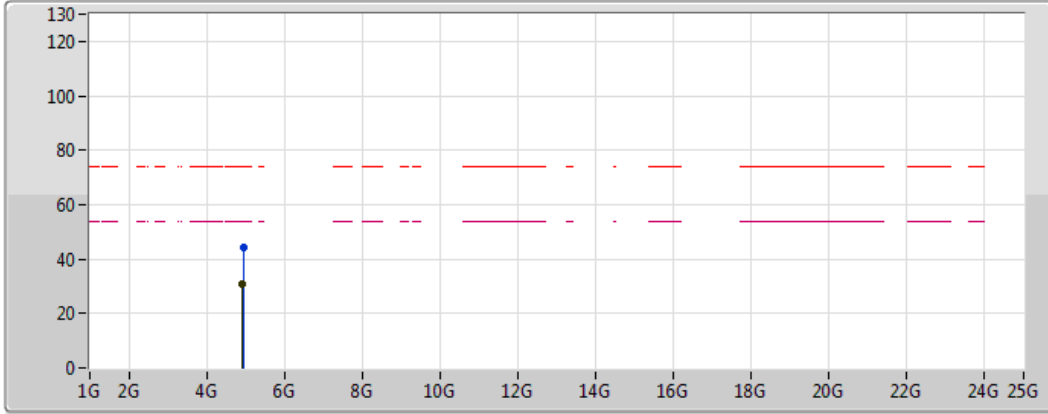
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.925G	30.74	54.00	-23.26	3.35	3	Vertical	242	1.50	-	27.39	31.47	6.45	34.56
PK	4.9204G	43.69	74.00	-30.31	3.34	3	Vertical	242	1.50	-	40.35	31.46	6.45	34.57







### 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX

17/03/2018



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	4.9224G	30.85	54.00	-23.15	3.35	3	Horizontal	127	1.50	-	27.50	31.46	6.45	34.57
PK	4.9436G	44.02	74.00	-29.98	3.39	3	Horizontal	127	1.50	-	40.63	31.50	6.45	34.56