

FCC Test Report

FCC ID : HDCSDX810RG
Equipment : Residential Gateway
Brand Name : **ADTRAN**[®]
Model No. : SDX810-RG
Applicant : Adtran
901 Explorer Blvd., Huntsville, AL 35806, US
Manufacturer : XAVi Technologies Corporation
22F., No.69, Sec. 2, Guangfu Rd., Sanchong
Dist., New Taipei City 241, Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.247

The product was received on Feb. 26, 2018, and testing was started from Mar. 11, 2018 and completed on Apr. 09, 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 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: Allen Lin

SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT3

SUMMARY OF TEST RESULT4

1 GENERAL DESCRIPTION5

1.1 Information.....5

1.2 Testing Applied Standards8

1.3 Testing Location Information8

1.4 Measurement Uncertainty8

2 TEST CONFIGURATION OF EUT.....9

2.1 Test Condition9

2.2 Test Channel Mode9

2.3 The Worst Case Measurement Configuration.....11

2.4 Accessories12

2.5 Support Equipment.....12

2.6 Test Setup Diagram13

3 TRANSMITTER TEST RESULT14

3.1 AC Power-line Conducted Emissions14

3.2 DTS Bandwidth.....15

3.3 Maximum Conducted Output Power16

3.4 Power Spectral Density18

3.5 Emissions in Non-restricted Frequency Bands19

3.6 Emissions in Restricted Frequency Bands.....20

4 TEST EQUIPMENT AND CALIBRATION DATA24

APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS

APPENDIX B. TEST RESULTS OF DTS BANDWIDTH

APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER

APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY

APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS

APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS

APPENDIX G. TEST PHOTOS

PHOTOGRAPHS OF EUT V01



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	DTS Bandwidth	PASS	≥500kHz
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Power [dBm]: 30
3.4	15.247(e)	Power Spectral Density	PASS	PSD [dBm/3kHz]: 8
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: > 30 dBc
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

Reviewed by: Sam Tsai

Report Producer: Ivy Yuan



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	1TX(Port 1)
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

Ant.	Brand	Model Name	Antenna Type	Connector
First group				
1	-	-	PIFA Antenna	I-PEX
2	-	-	PIFA Antenna	I-PEX
3	-	-	PIFA Antenna	I-PEX
4	-	-	PIFA Antenna	I-PEX
5	-	-	PIFA Antenna	I-PEX
6	-	-	PIFA Antenna	I-PEX
Second Group				
7	-	-	PIFA Antenna	I-PEX
8	-	-	PIFA Antenna	I-PEX
9	-	-	PIFA Antenna	I-PEX
10	-	-	PIFA Antenna	I-PEX
11	-	-	PIFA Antenna	I-PEX
12	-	-	PIFA Antenna	I-PEX

Ant.	port	Gain (dBi)		
		2.4G	5G UNII-1	5G UNII-3
1	1	3.7	-	-
2	2	4.15	-	-
3	-	-	2.26	2.96
4	-	-	3.13	2.99
5	-	-	2.26	2.96
6	-	-	3.13	2.99
7	-	3.31	-	-
8	-	2.99	-	-
9	1	-	3.14	3.40
10	2	-	4.08	3.80
11	3	-	2.78	3.75
12	4	-	3.4	3.71

Note 1: 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.



1.1.3 EUT Information

Identify EUT			
Part Number	1287850Fx (x=0~9, a~z, A~Z, blank, "-" or "+")		
Operational Condition			
EUT Power Type	From AC Adapter		
Beamforming Function	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming	
Type of EUT			
<input checked="" type="checkbox"/>	Stand-alone		
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:	...	
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:	...	
<input type="checkbox"/>	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.998	0.009	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11g	0.984	0.07	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11n HT20	0.986	0.061	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11n HT40	0.986	0.061	n/a (DC≥0.98)	n/a (DC≥0.98)



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
RF Conducted	TH06-HY	Tim	22.5°C / 65%	09/Apr/2018
Radiated	03CH03-HY	Justin	21°C / 50%	24/Mar/2018
AC Conduction	CO04-HY	Jeff	23.2°C / 56%	29/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

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

2.2 Test Channel Mode

Test Software Version	MTool _ 2.0.3.2
-----------------------	-----------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX(Port1)	-
2412MHz	69
2417MHz	71
2437MHz	71
2457MHz	71
2462MHz	67
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	54
2417MHz	62
2422MHz	63
2427MHz	62
2432MHz	62
2437MHz	63
2442MHz	62
2447MHz	62
2452MHz	62
2457MHz	58
2462MHz	49
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	46
2417MHz	58
2422MHz	64
2427MHz	64
2432MHz	63






Mode	Power Setting
2437MHz	63
2442MHz	63
2447MHz	63
2452MHz	61
2457MHz	53
2462MHz	46
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	35
2427MHz	36
2432MHz	40
2437MHz	44
2442MHz	40
2447MHz	36
2452MHz	33

2.3 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

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	Adapter 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	Normal Link
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA6N1727-01 for Co-location RF Exposure Evaluation.	



2.4 Accessories

Accessories				
AC Adapter	Brand Name	SUNNY	Model Name	SYS1564-3012-W2
	Power Rating	I/P: 100 - 240 Vac, 1 A, O/P: 12 Vdc, 2.5 A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

2.5 Support Equipment

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

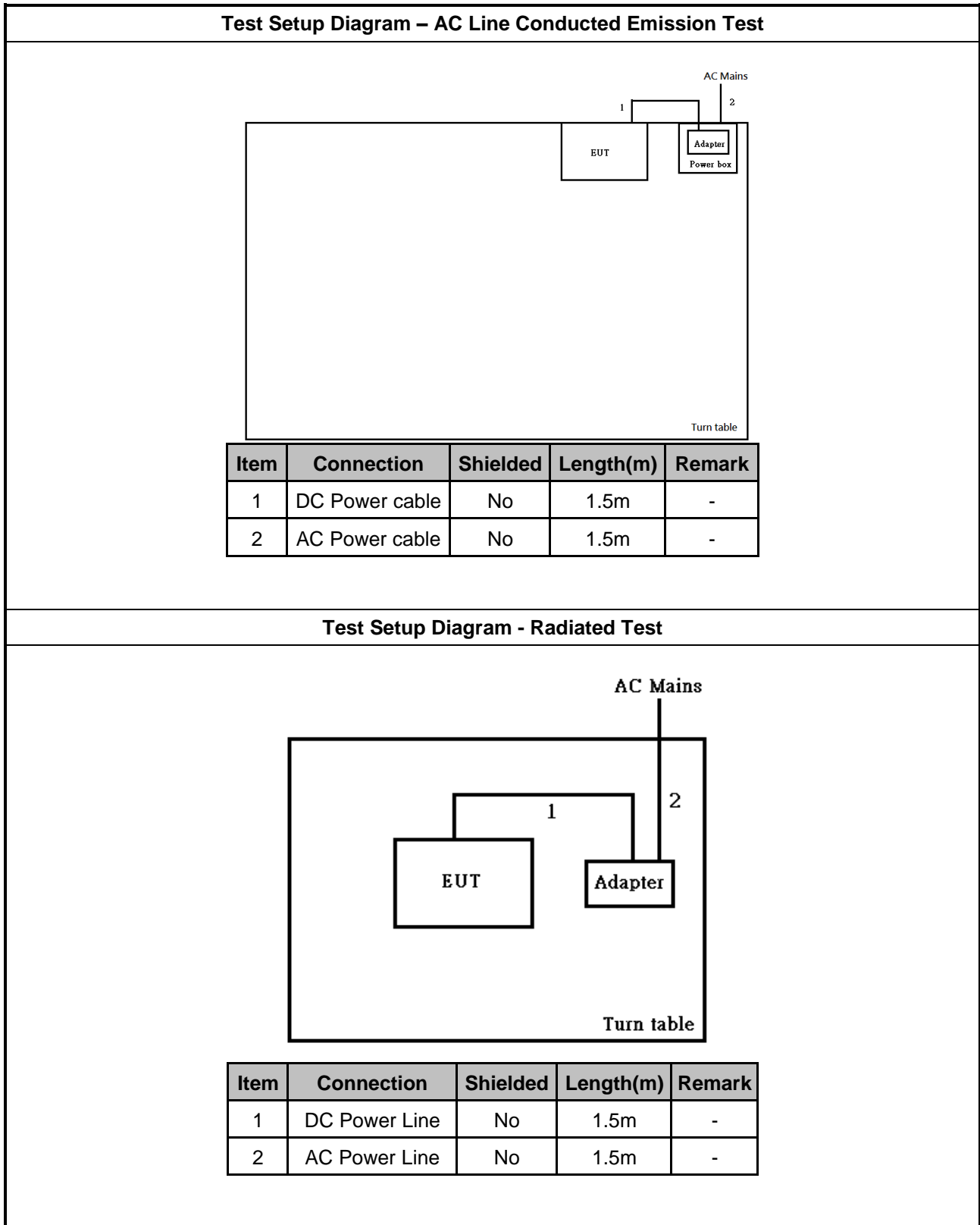
Support Equipment - Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook (remote)	DELL	E4300	-
2	Notebook (remote)	DELL	E4300	-
3	AC adapter (remote)	DELL	LA65NS2-01	-
4	Client (remote)	-	-	-

Note: Support equipment No.4 was provided by customer.

Support Equipment - AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook (remote)	DELL	E4300	-
2	Notebook (remote)	DELL	E5530	-
3	AC adapter (remote)	DELL	LA65NS2-01	-
4	Client (remote)	-	-	-

Note: Support equipment No.4 was provided by customer.

2.6 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

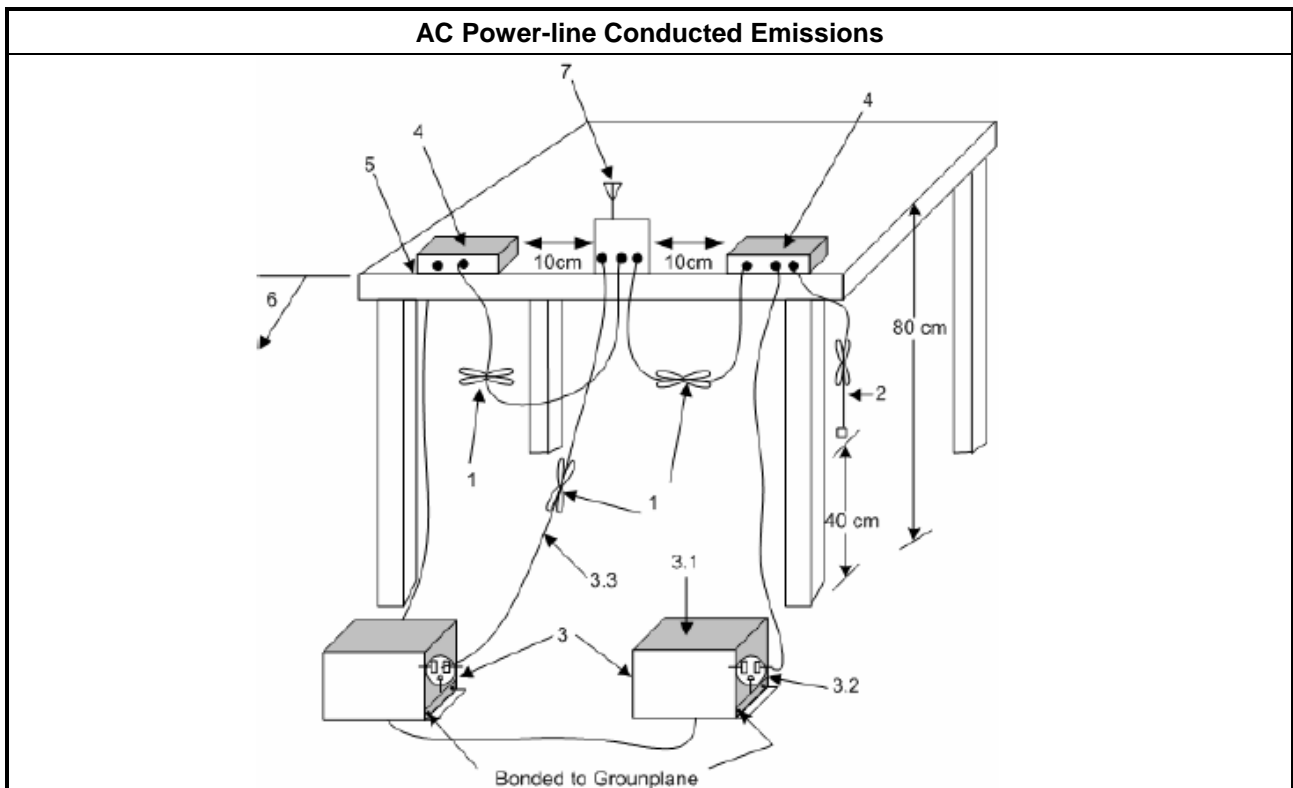
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

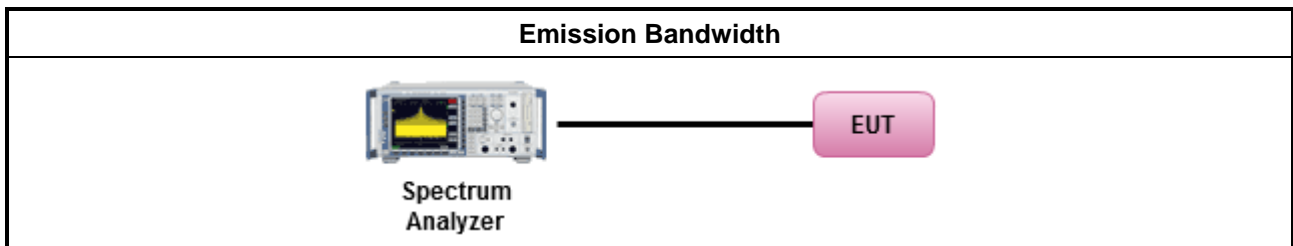
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as RSS-Gen, clause 6.6 for for occupied bandwidth testing.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dBm
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS)
	<ul style="list-style-type: none"> - Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
<p>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

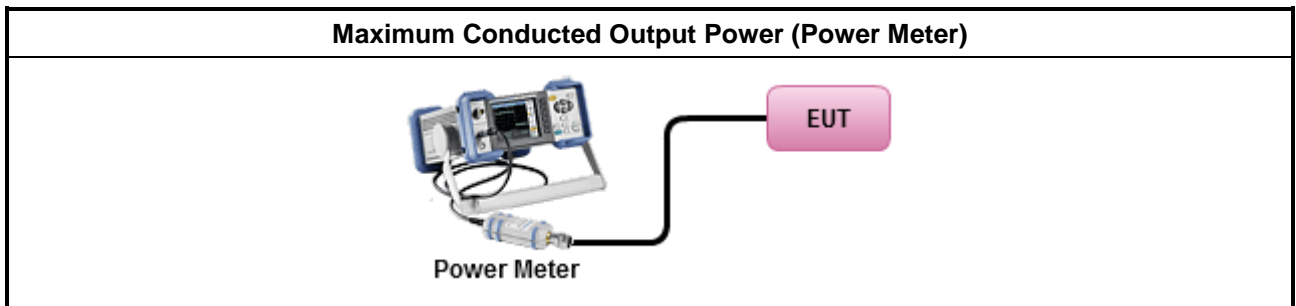
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
<ul style="list-style-type: none"> ▪ Maximum Average Conducted Output Power 	
Duty cycle ≥ 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
Duty cycle < 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. 	
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

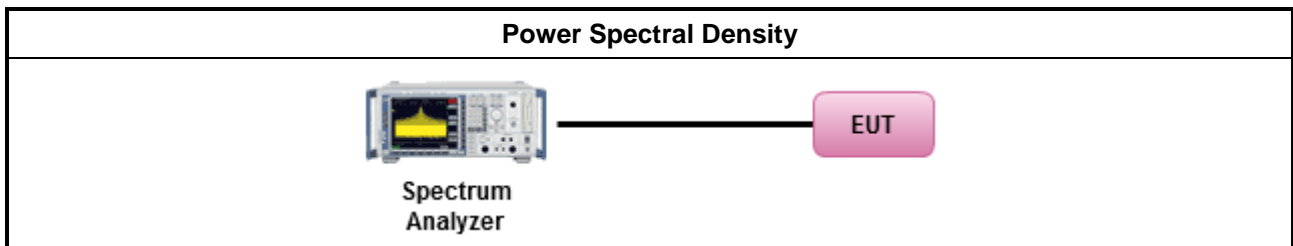
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
<input checked="" type="checkbox"/> Refer as KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).
<ul style="list-style-type: none"> For conducted measurement.
<ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

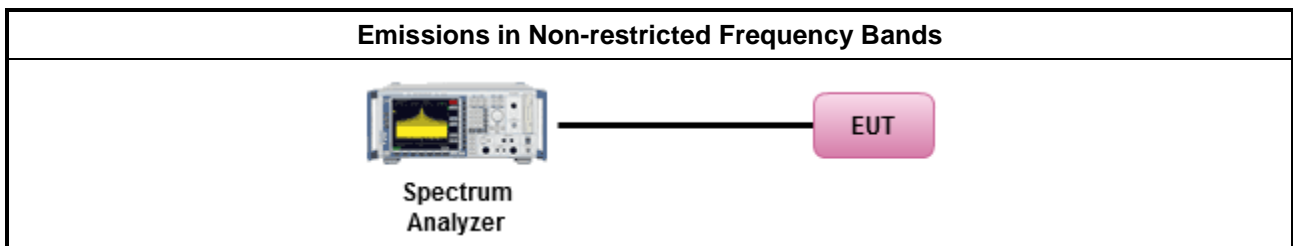
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 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.

3.6.2 Measuring Instruments

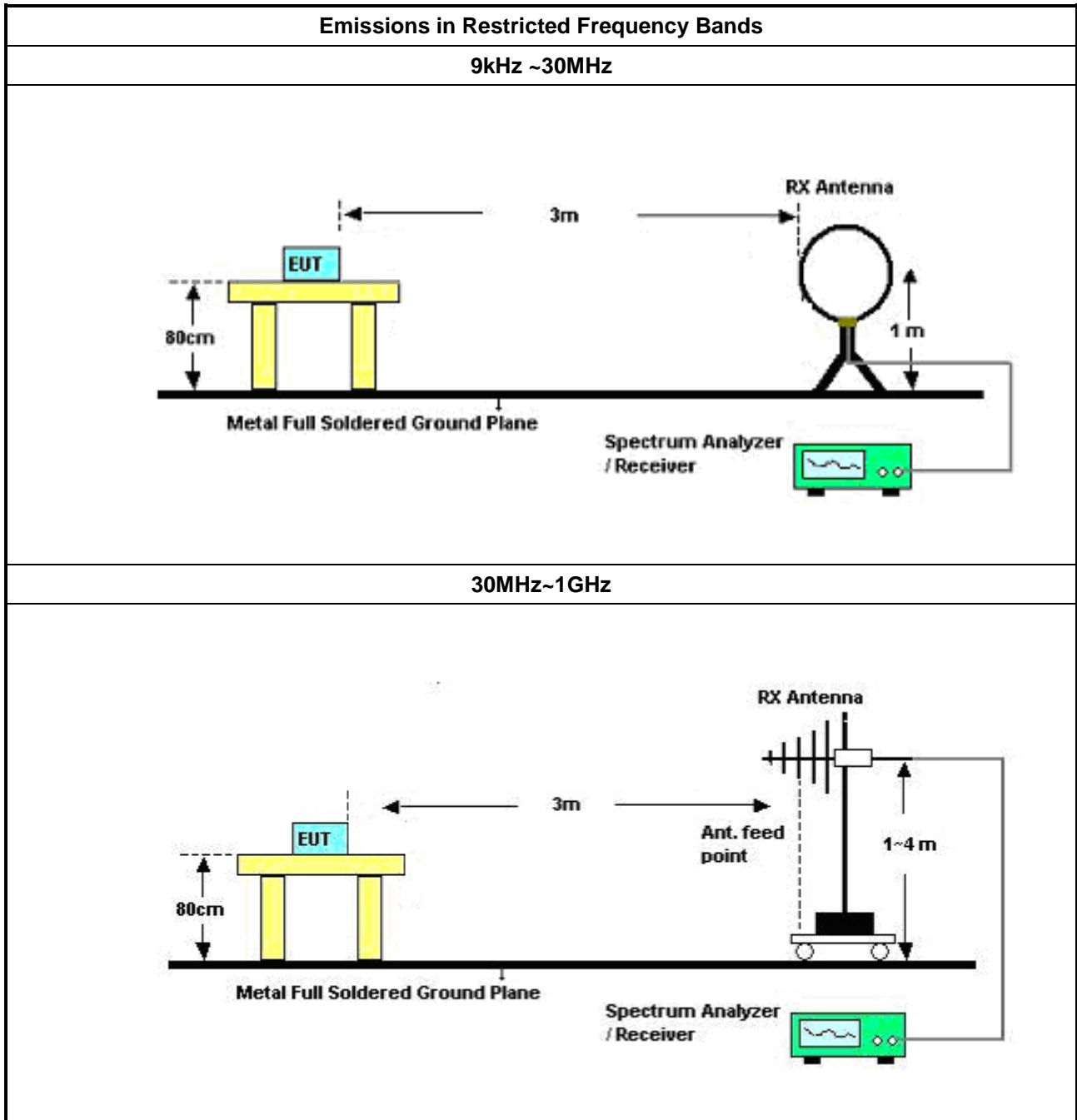
Refer a test equipment and calibration data table in this test report.

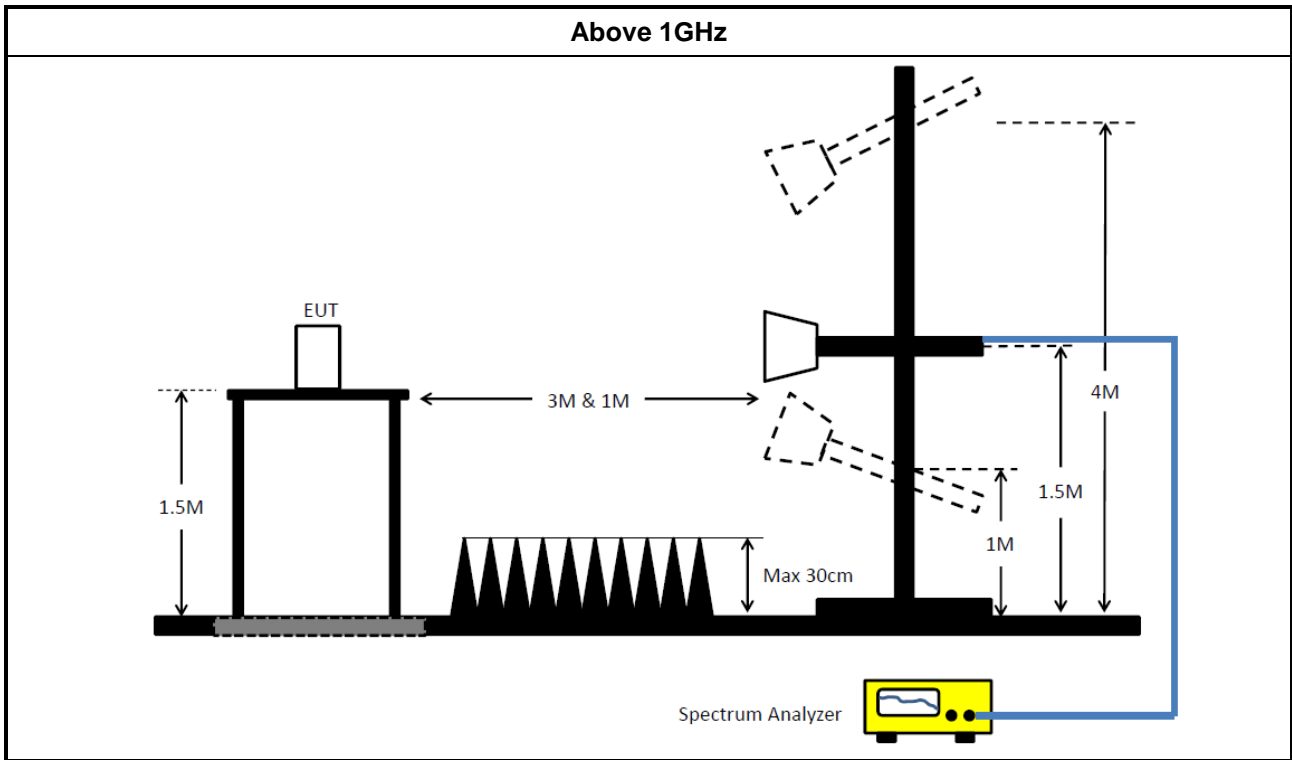


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.
<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"> For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> 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).
<ul style="list-style-type: none"> For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2. 	
	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> 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.

3.6.4 Test Setup





3.6.5 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.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	31/Oct/2017	30/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	01/Nov/2017	31/Oct/2018
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	19/Apr/2017	18/Apr/2018
Amplifier	Keysight	83017A	MY53270196	1GHz ~ 26.5GHz	31/Aug/2017	30/Aug/2018
Spectrum	R&S	FSV40	101500	9kHz ~ 40GHz	28/Jun/2017	27/Jun/2018
Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	26/Jan/2018	25/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX106	CB222	1GHz ~ 40GHz	26/Jan/2018	25/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	22237	30MHz ~ 1GHz	08/Jul/2017	07/Jul/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	09/Feb/ 2018	08/Feb/2019
Horn Antenna	SCHWARZBECK	BBHA9120D	1531	1GHz ~ 18GHz	25/Apr/ 2017	24/Apr/2018
Amplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2017	23/Aug/2018
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	16/Mar/2018	15/Mar/2019



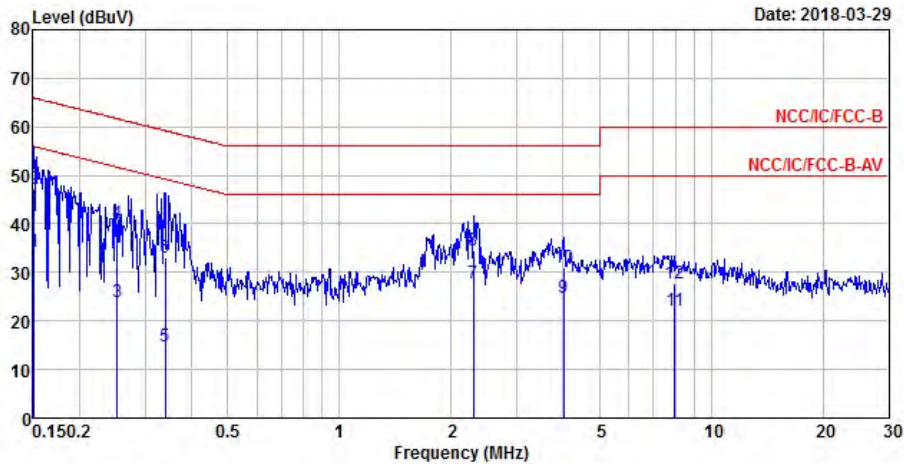
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	29/Dec/2017	28/Dec/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Temp. and Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA1611-005	-40 ~ 100°C	21/Nov/2016	20/Nov/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY23000/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12586/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.1508	34.36	-21.60	55.96	24.69	9.63	0.04	Average
2	0.1508	47.34	-18.62	65.96	37.67	9.63	0.04	QP
3	0.2529	23.93	-27.73	51.66	14.28	9.62	0.03	Average
4	0.2529	40.07	-21.59	61.66	30.42	9.62	0.03	QP
5	0.3392	14.65	-34.57	49.22	4.96	9.61	0.08	Average
6	0.3392	33.17	-26.05	59.22	23.48	9.61	0.08	QP
7 MAX	2.2968	27.77	-18.23	46.00	18.12	9.63	0.02	Average
8	2.2968	34.55	-21.45	56.00	24.90	9.63	0.02	QP
9	4.0062	24.79	-21.21	46.00	15.06	9.64	0.09	Average
10	4.0062	30.89	-25.11	56.00	21.16	9.64	0.09	QP
11	7.9774	22.24	-27.76	50.00	12.39	9.68	0.17	Average
12	7.9774	27.63	-32.37	60.00	17.78	9.68	0.17	QP

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



AC Power-line Conducted Emissions Result																																																																																																																																	
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<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>Read Level</th> <th>LISN Factor</th> <th>Cable Loss</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.1641</td><td>21.42</td><td>-33.83</td><td>55.25</td><td>11.77</td><td>9.62</td><td>0.03</td><td>Average</td></tr> <tr><td>2</td><td>0.1641</td><td>44.37</td><td>-20.88</td><td>65.25</td><td>34.72</td><td>9.62</td><td>0.03</td><td>QP</td></tr> <tr><td>3</td><td>0.2773</td><td>29.32</td><td>-21.58</td><td>50.90</td><td>19.65</td><td>9.62</td><td>0.05</td><td>Average</td></tr> <tr><td>4</td><td>0.2773</td><td>35.25</td><td>-25.65</td><td>60.90</td><td>25.58</td><td>9.62</td><td>0.05</td><td>QP</td></tr> <tr style="border: 2px solid black;"><td>5 MAX</td><td>0.3731</td><td>35.75</td><td>-12.68</td><td>48.43</td><td>26.05</td><td>9.61</td><td>0.09</td><td>Average</td></tr> <tr><td>6</td><td>0.3731</td><td>36.20</td><td>-22.23</td><td>58.43</td><td>26.50</td><td>9.61</td><td>0.09</td><td>QP</td></tr> <tr><td>7</td><td>2.2015</td><td>26.72</td><td>-19.28</td><td>46.00</td><td>17.09</td><td>9.62</td><td>0.01</td><td>Average</td></tr> <tr><td>8</td><td>2.2015</td><td>33.10</td><td>-22.90</td><td>56.00</td><td>23.47</td><td>9.62</td><td>0.01</td><td>QP</td></tr> <tr><td>9</td><td>3.8808</td><td>22.92</td><td>-23.08</td><td>46.00</td><td>13.21</td><td>9.63</td><td>0.08</td><td>Average</td></tr> <tr><td>10</td><td>3.8808</td><td>28.70</td><td>-27.30</td><td>56.00</td><td>18.99</td><td>9.63</td><td>0.08</td><td>QP</td></tr> <tr><td>11</td><td>7.8516</td><td>21.08</td><td>-28.92</td><td>50.00</td><td>11.26</td><td>9.65</td><td>0.17</td><td>Average</td></tr> <tr><td>12</td><td>7.8516</td><td>29.26</td><td>-30.74</td><td>60.00</td><td>19.44</td><td>9.65</td><td>0.17</td><td>QP</td></tr> </tbody> </table>					Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark		MHz	dBuV	dB	dBuV	dBuV	dB	dB		1	0.1641	21.42	-33.83	55.25	11.77	9.62	0.03	Average	2	0.1641	44.37	-20.88	65.25	34.72	9.62	0.03	QP	3	0.2773	29.32	-21.58	50.90	19.65	9.62	0.05	Average	4	0.2773	35.25	-25.65	60.90	25.58	9.62	0.05	QP	5 MAX	0.3731	35.75	-12.68	48.43	26.05	9.61	0.09	Average	6	0.3731	36.20	-22.23	58.43	26.50	9.61	0.09	QP	7	2.2015	26.72	-19.28	46.00	17.09	9.62	0.01	Average	8	2.2015	33.10	-22.90	56.00	23.47	9.62	0.01	QP	9	3.8808	22.92	-23.08	46.00	13.21	9.63	0.08	Average	10	3.8808	28.70	-27.30	56.00	18.99	9.63	0.08	QP	11	7.8516	21.08	-28.92	50.00	11.26	9.65	0.17	Average	12	7.8516	29.26	-30.74	60.00	19.44	9.65	0.17	QP
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark																																																																																																																									
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Summary

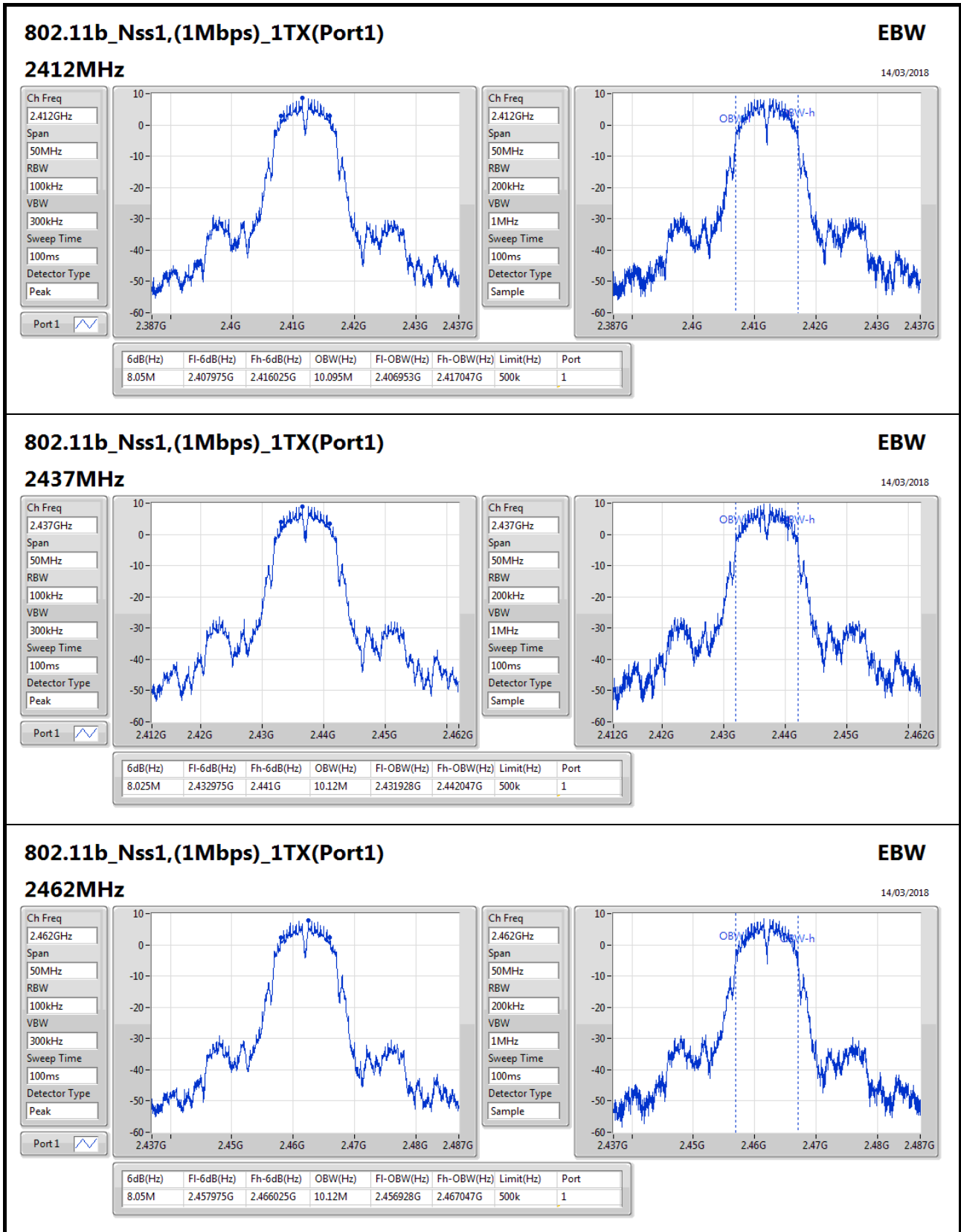
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	8.05M	10.12M	10M1G1D	8.025M	10.095M
802.11g_Nss1,(6Mbps)_2TX	15.075M	16.642M	16M6D1D	14.825M	16.292M
802.11n HT20_Nss1,(MCS0)_2TX	16.55M	17.566M	17M6D1D	14.925M	17.416M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.282M	36M3D1D	33.75M	36.082M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	8.05M	10.095M		
2437MHz_TnomVnom	Pass	500k	8.025M	10.12M		
2462MHz_TnomVnom	Pass	500k	8.05M	10.12M		
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	14.925M	16.292M	15.025M	16.317M
2437MHz_TnomVnom	Pass	500k	14.825M	16.642M	14.975M	16.467M
2462MHz_TnomVnom	Pass	500k	15.075M	16.317M	15.025M	16.317M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	15.025M	17.441M	16.55M	17.441M
2437MHz_TnomVnom	Pass	500k	15M	17.566M	15.1M	17.516M
2462MHz_TnomVnom	Pass	500k	14.925M	17.416M	15.075M	17.466M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	33.75M	36.182M	36.3M	36.132M
2437MHz_TnomVnom	Pass	500k	36M	36.132M	35.05M	36.232M
2452MHz_TnomVnom	Pass	500k	35.05M	36.082M	35.65M	36.282M

Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;


802.11b_Nss1,(1Mbps)_1TX(Port1)
EBW

14/03/2018

2462MHz

Ch Freq: 2.462GHz

Span: 50MHz

RBW: 100kHz

VBW: 300kHz

Sweep Time: 100ms

Detector Type: Peak

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.457975G	2.466025G	10.12M	2.456928G	2.467047G	500k	1

Ch Freq: 2.462GHz

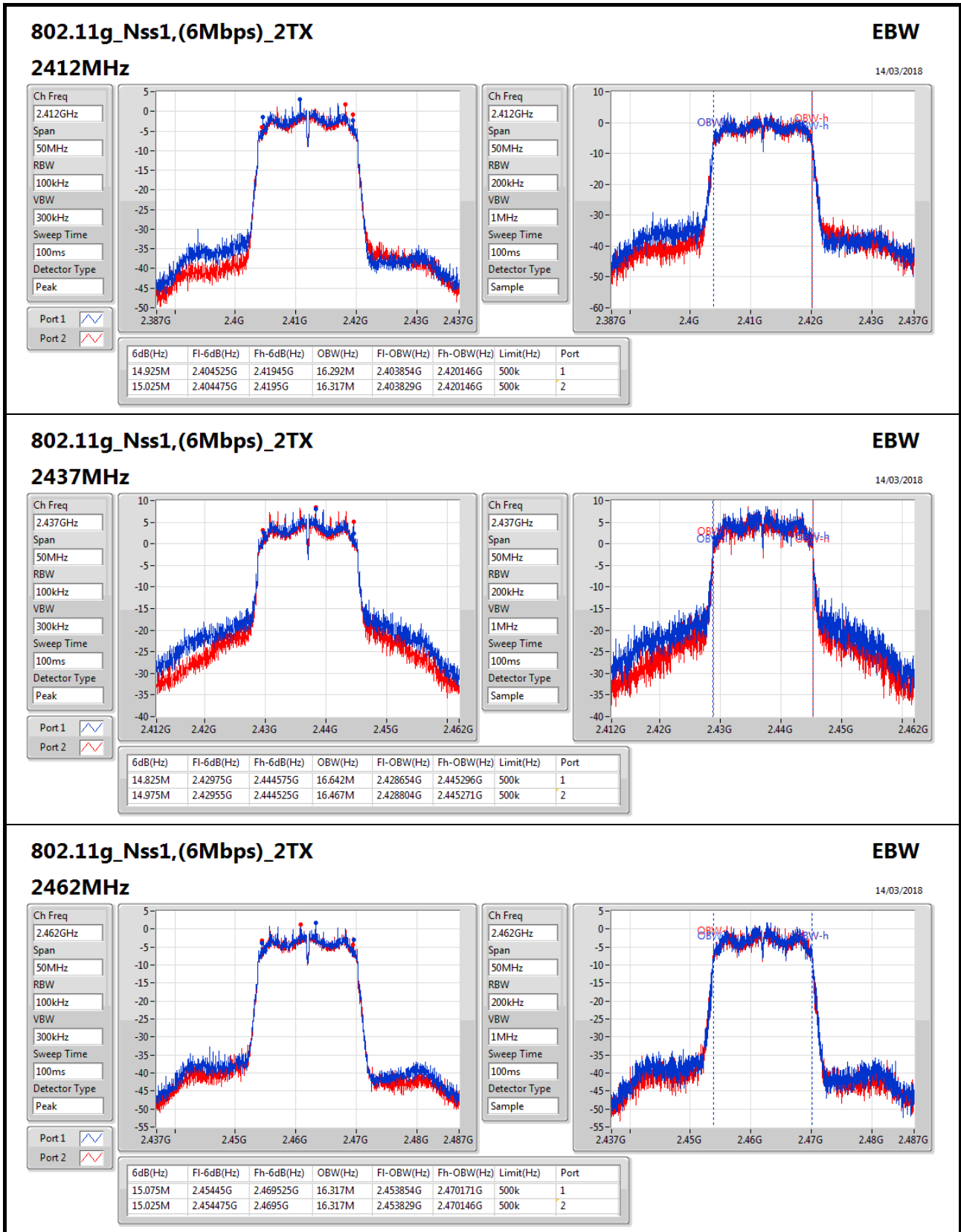
Span: 50MHz

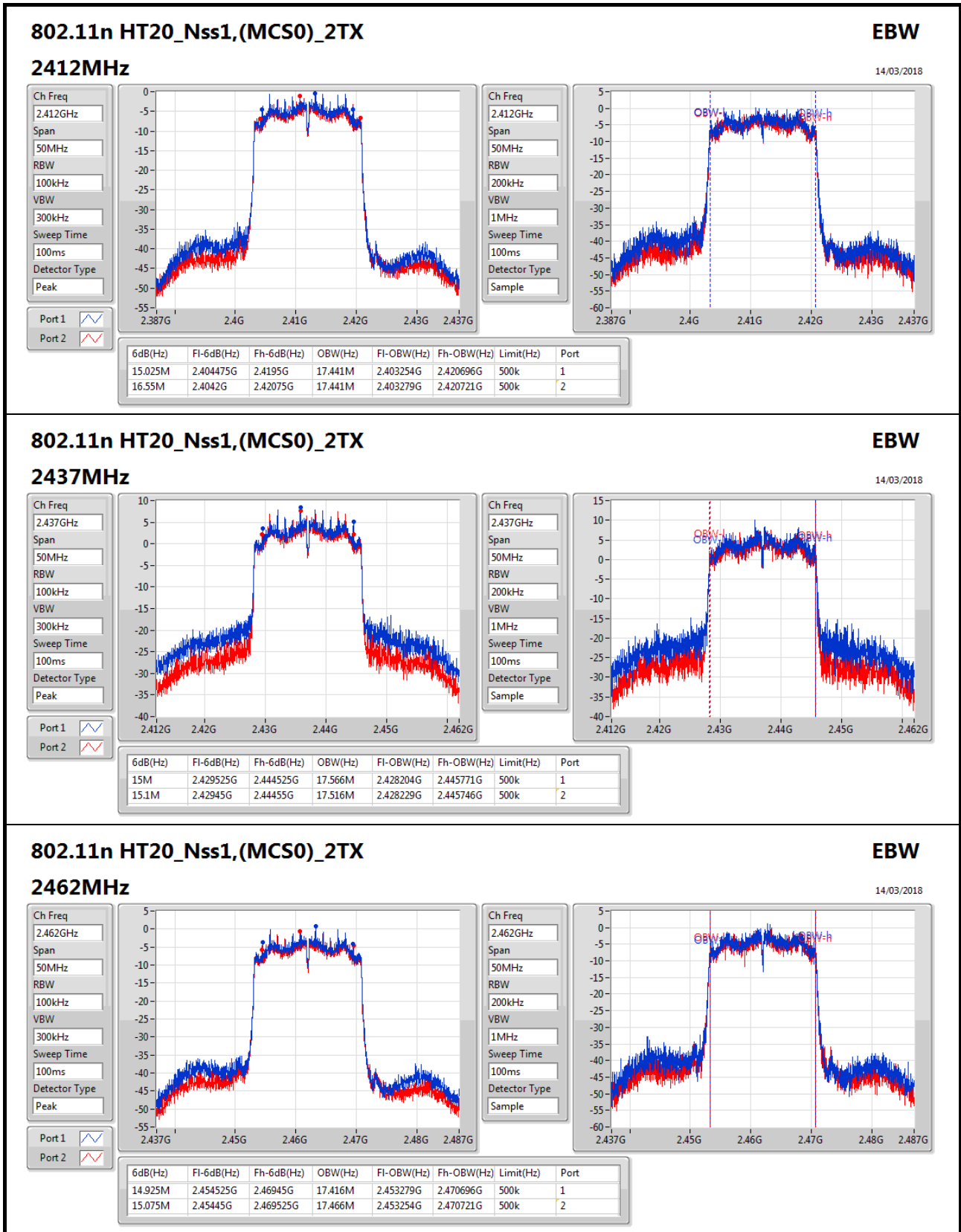
RBW: 200kHz

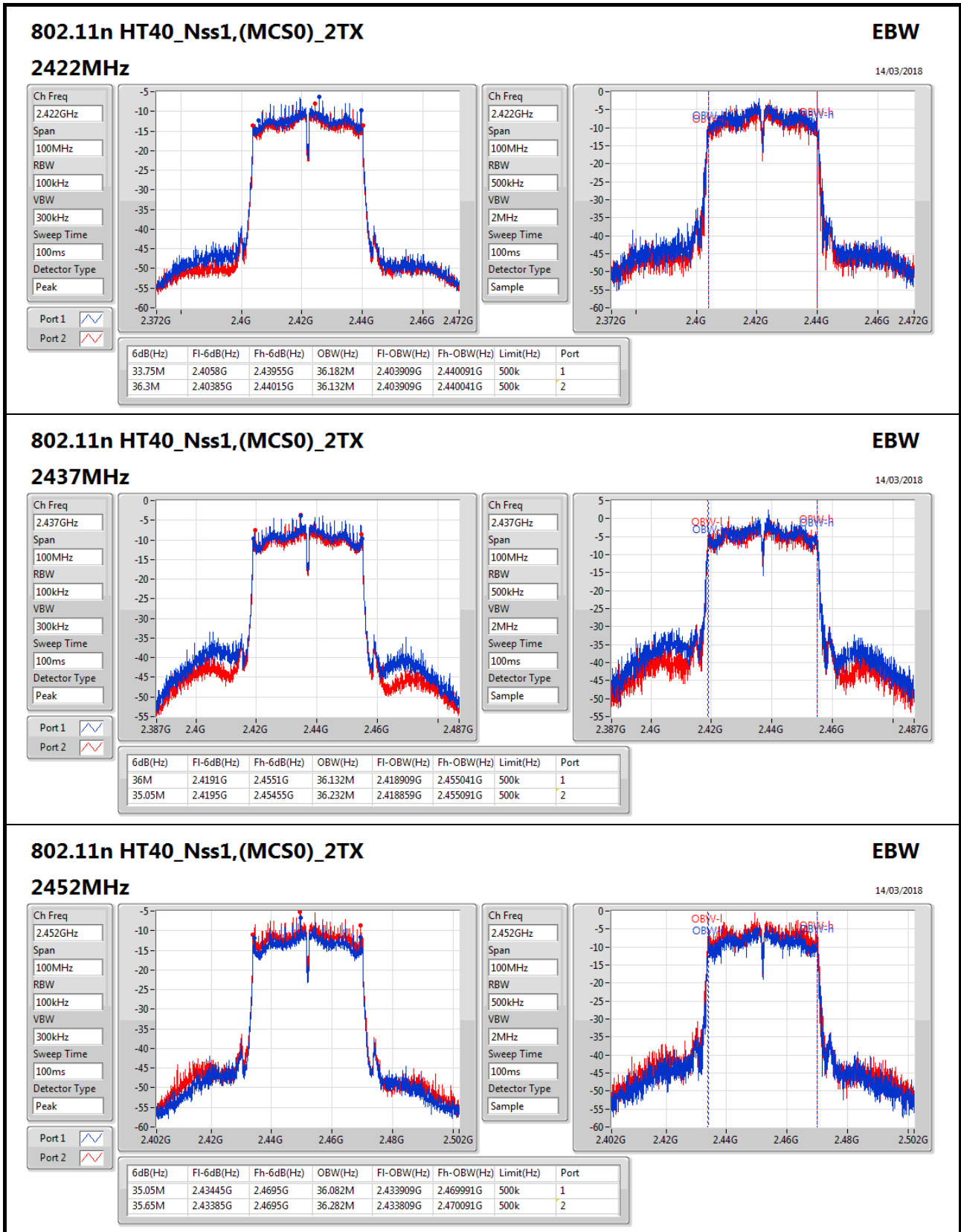
VBW: 1MHz

Sweep Time: 100ms

Detector Type: Sample









Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	18.12	0.06486
802.11g_Nss1,(6Mbps)_2TX	19.19	0.08299
802.11n HT20_Nss1,(MCS0)_2TX	19.19	0.08299
802.11n HT40_Nss1,(MCS0)_2TX	13.64	0.02312

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.15	17.42		17.42	30.00
2417MHz_TnomVnom	Pass	4.15	18.12		18.12	30.00
2437MHz_TnomVnom	Pass	4.15	18.08		18.08	30.00
2457MHz_TnomVnom	Pass	4.15	18.05		18.05	30.00
2462MHz_TnomVnom	Pass	4.15	16.88		16.88	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.15	14.26	14.08	17.18	30.00
2417MHz_TnomVnom	Pass	4.15	16.14	15.57	18.87	30.00
2422MHz_TnomVnom	Pass	4.15	16.02	16.28	19.16	30.00
2427MHz_TnomVnom	Pass	4.15	15.96	16.21	19.10	30.00
2432MHz_TnomVnom	Pass	4.15	15.94	16.30	19.13	30.00
2437MHz_TnomVnom	Pass	4.15	15.86	16.40	19.15	30.00
2442MHz_TnomVnom	Pass	4.15	15.88	16.46	19.19	30.00
2447MHz_TnomVnom	Pass	4.15	15.90	16.43	19.18	30.00
2452MHz_TnomVnom	Pass	4.15	16.04	16.22	19.14	30.00
2457MHz_TnomVnom	Pass	4.15	14.71	14.45	17.59	30.00
2462MHz_TnomVnom	Pass	4.15	12.95	12.97	15.97	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.15	11.69	11.00	14.37	30.00
2417MHz_TnomVnom	Pass	4.15	14.93	14.47	17.72	30.00
2422MHz_TnomVnom	Pass	4.15	16.21	16.14	19.19	30.00
2427MHz_TnomVnom	Pass	4.15	15.87	16.47	19.19	30.00
2432MHz_TnomVnom	Pass	4.15	16.03	16.21	19.13	30.00
2437MHz_TnomVnom	Pass	4.15	16.08	15.92	19.01	30.00
2442MHz_TnomVnom	Pass	4.15	16.07	16.19	19.14	30.00
2447MHz_TnomVnom	Pass	4.15	16.15	16.19	19.18	30.00
2452MHz_TnomVnom	Pass	4.15	15.19	15.20	18.21	30.00
2457MHz_TnomVnom	Pass	4.15	13.83	13.57	16.71	30.00
2462MHz_TnomVnom	Pass	4.15	11.77	11.22	14.51	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.15	7.87	6.94	10.44	30.00
2437MHz_TnomVnom	Pass	4.15	11.01	10.21	13.64	30.00
2452MHz_TnomVnom	Pass	4.15	6.75	8.57	10.76	30.00
2427MHz_TnomVnom	Pass	4.15	8.20	9.30	11.80	30.00
2432MHz_TnomVnom	Pass	4.15	9.88	9.76	12.83	30.00



AV Power Result

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2442MHz_TnomVnom	Pass	4.15	9.80	9.14	12.49	30.00
2447MHz_TnomVnom	Pass	4.15	8.53	9.47	12.04	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	-3.34
802.11g_Nss1,(6Mbps)_2TX	-6.01
802.11n HT20_Nss1,(MCS0)_2TX	-5.93
802.11n HT40_Nss1,(MCS0)_2TX	-15.48

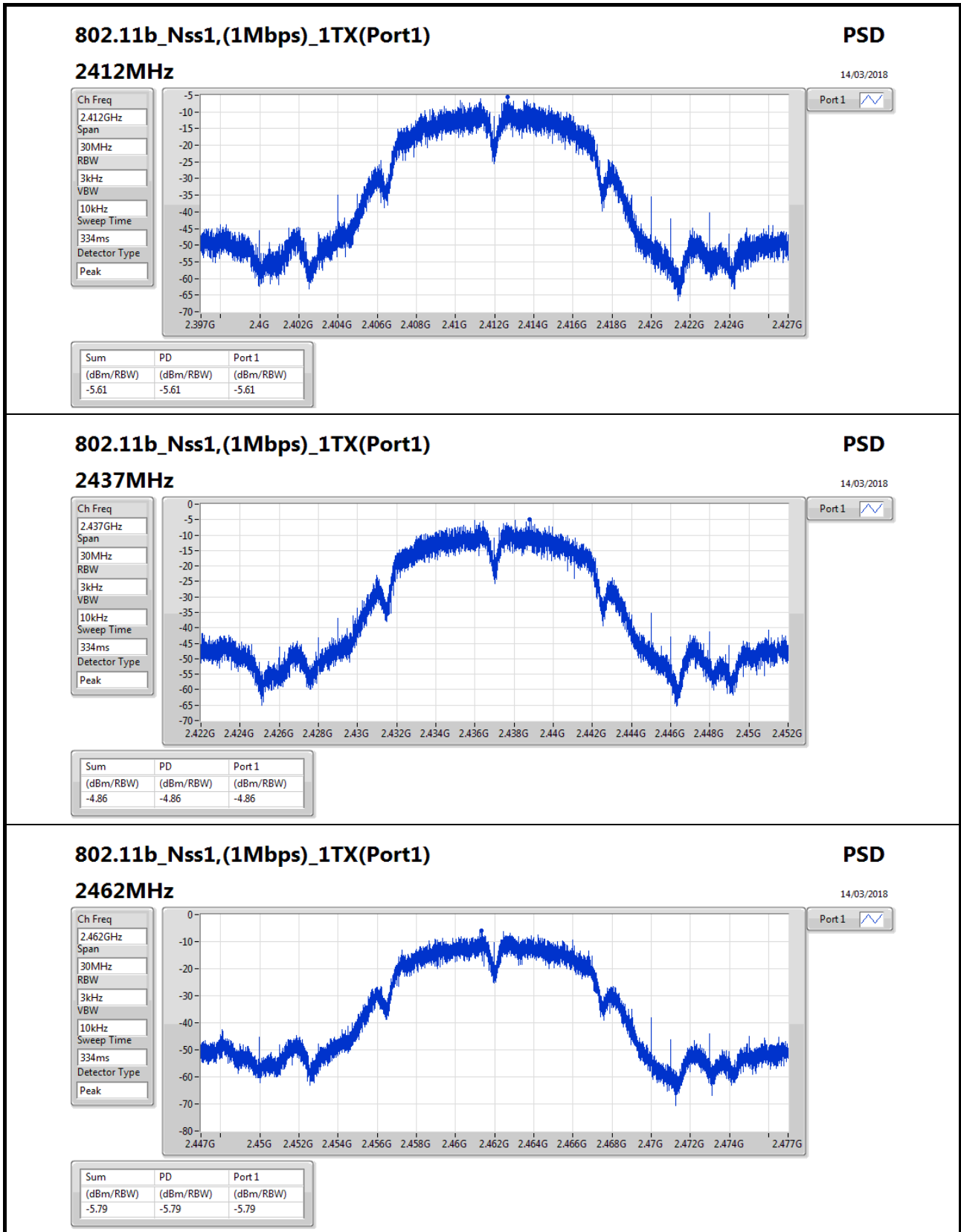
RBW=3kHz.

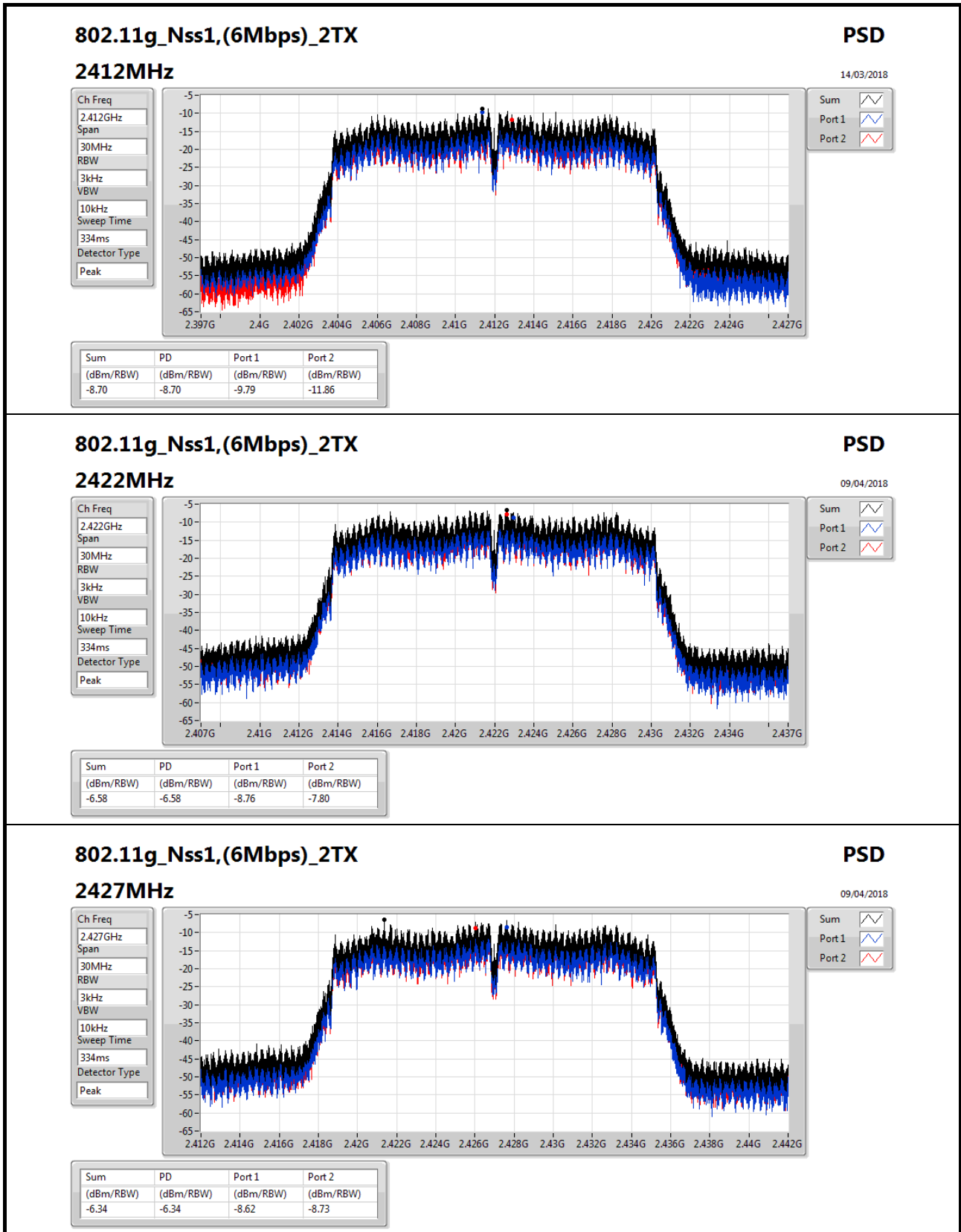
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.15	-5.61	-	-5.61	8.00
2417MHz_TnomVnom	Pass	4.15	-3.34	-	-3.34	8.00
2437MHz_TnomVnom	Pass	4.15	-4.86	-	-4.86	8.00
2457MHz_TnomVnom	Pass	4.15	-4.92	-	-4.92	8.00
2462MHz_TnomVnom	Pass	4.15	-5.79	-	-5.79	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.16	-9.79	-11.86	-8.70	6.84
2417MHz_TnomVnom	Pass	7.16	-9.38	-8.52	-6.75	6.84
2422MHz_TnomVnom	Pass	7.16	-8.76	-7.80	-6.58	6.84
2427MHz_TnomVnom	Pass	7.16	-8.62	-8.73	-6.34	6.84
2432MHz_TnomVnom	Pass	7.16	-9.10	-8.19	-6.35	6.84
2437MHz_TnomVnom	Pass	7.16	-8.36	-8.45	-6.67	6.84
2442MHz_TnomVnom	Pass	7.16	-8.76	-8.80	-6.55	6.84
2447MHz_TnomVnom	Pass	7.16	-8.14	-8.65	-6.01	6.84
2452MHz_TnomVnom	Pass	7.16	-9.17	-8.33	-6.66	6.84
2457MHz_TnomVnom	Pass	7.16	-9.39	-11.04	-7.68	6.84
2462MHz_TnomVnom	Pass	7.16	-12.25	-11.43	-9.59	6.84
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.16	-13.05	-14.52	-12.26	6.84
2417MHz_TnomVnom	Pass	7.16	-10.44	-11.63	-9.22	6.84
2422MHz_TnomVnom	Pass	7.16	-8.69	-8.63	-7.48	6.84
2427MHz_TnomVnom	Pass	7.16	-7.98	-7.94	-6.15	6.84
2432MHz_TnomVnom	Pass	7.16	-8.11	-7.28	-6.46	6.84
2437MHz_TnomVnom	Pass	7.16	-8.58	-8.68	-5.93	6.84
2442MHz_TnomVnom	Pass	7.16	-8.10	-8.57	-6.38	6.84
2447MHz_TnomVnom	Pass	7.16	-7.70	-8.17	-6.85	6.84
2462MHz_TnomVnom	Pass	7.16	-12.48	-14.40	-11.22	6.84
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	7.16	-20.57	-19.67	-18.18	6.84
2437MHz_TnomVnom	Pass	7.16	-17.41	-17.79	-15.48	6.84
2452MHz_TnomVnom	Pass	7.16	-19.45	-19.00	-16.28	6.84

DG = Directional Gain; RBW=3kHz;

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





802.11g_Nss1,(6Mbps)_2TX

2427MHz

PSD

09/04/2018

Ch Freq
2.427GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
334ms

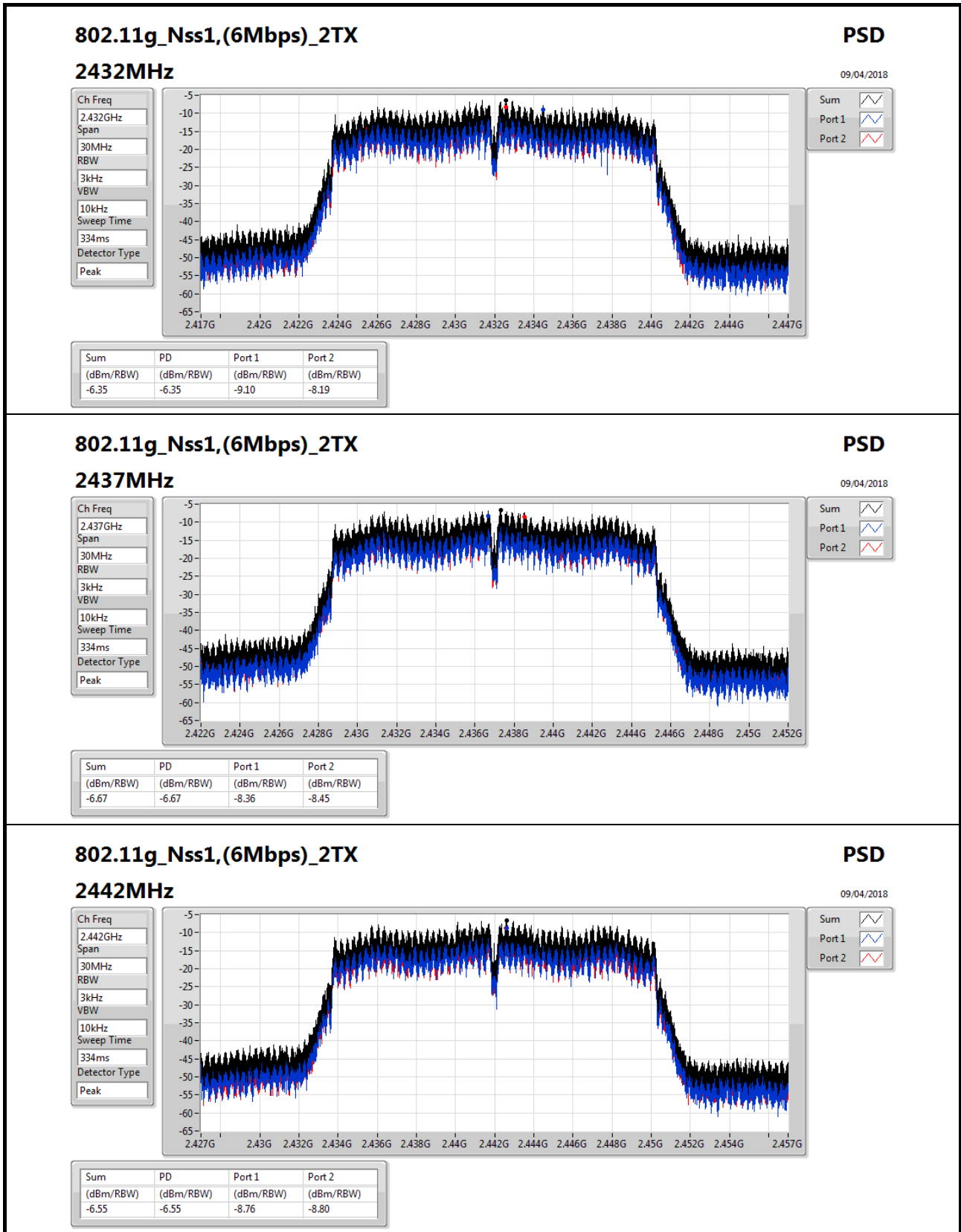
Detector Type
Peak

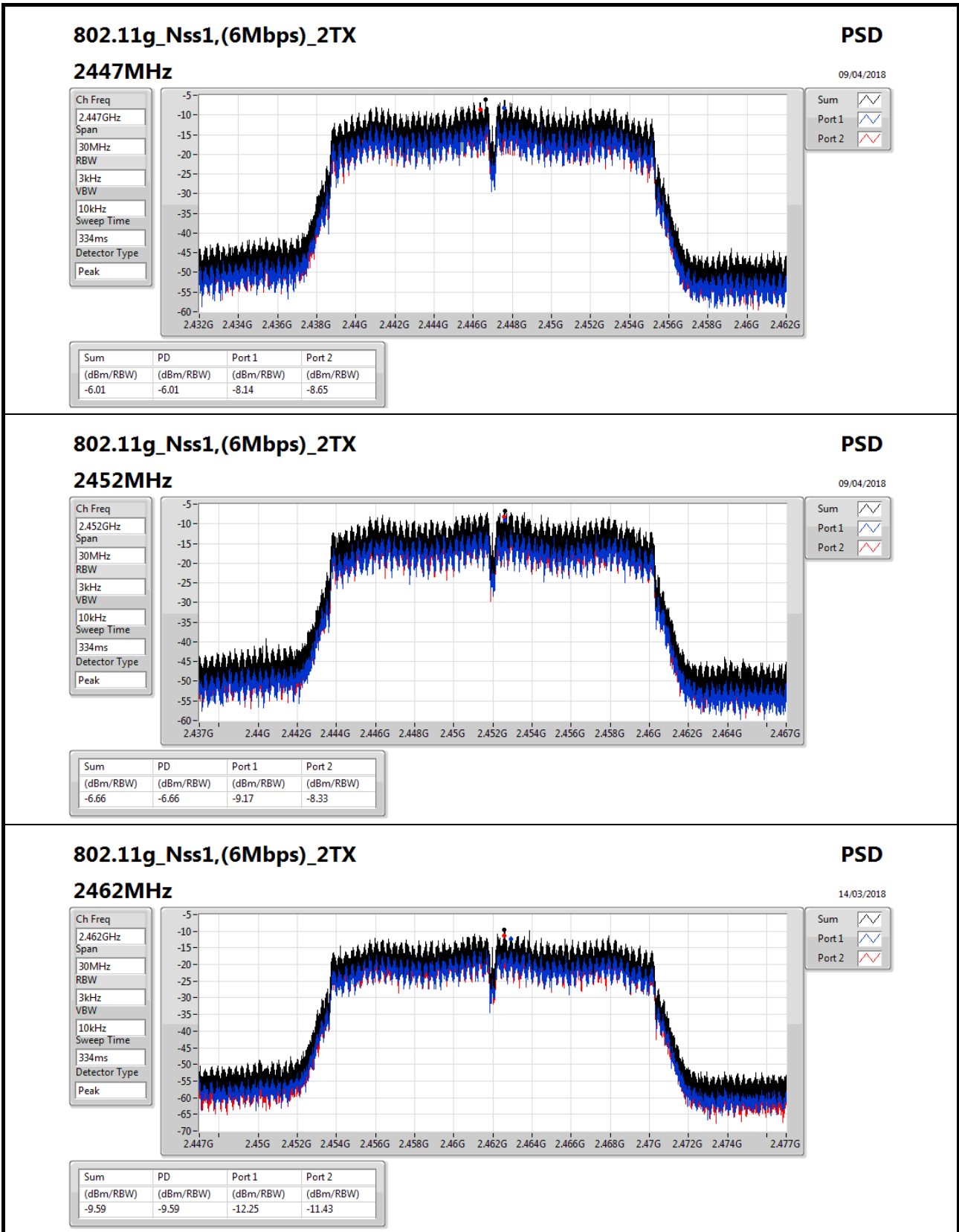
Sum

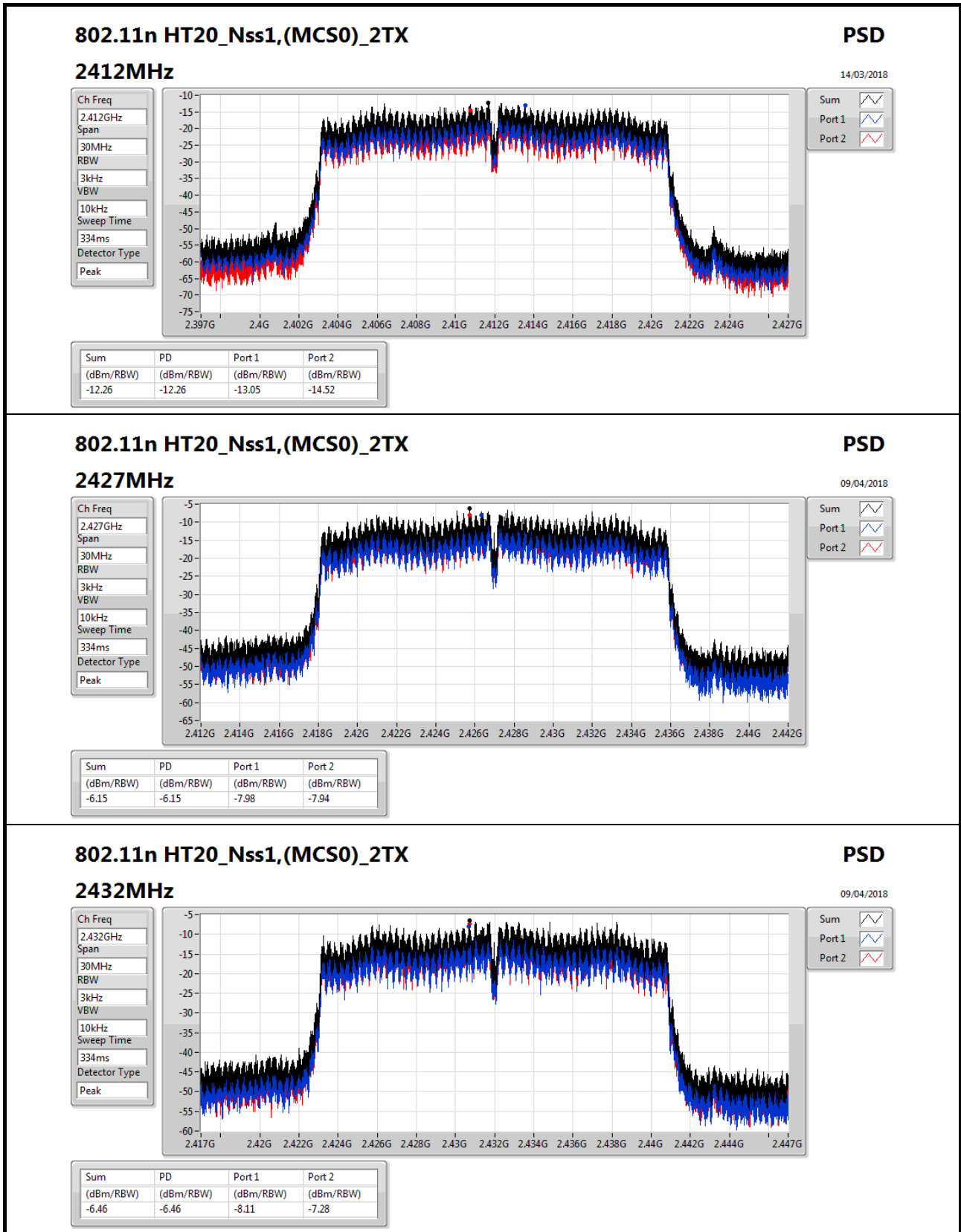
Port 1

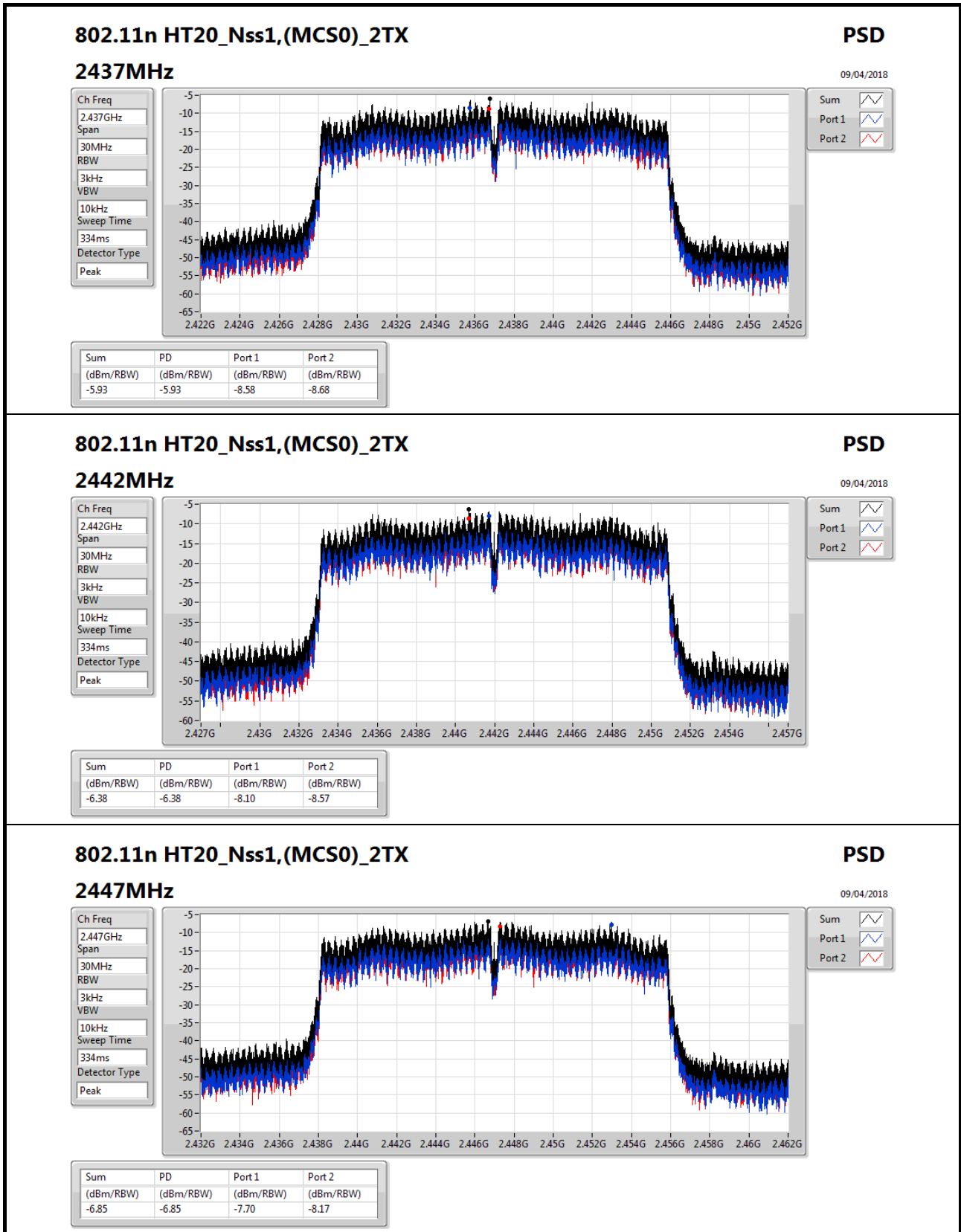
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.34	-6.34	-8.62	-8.73









802.11n HT20_Nss1,(MCS0)_2TX

2447MHz

PSD

09/04/2018

Ch Freq
2.447GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

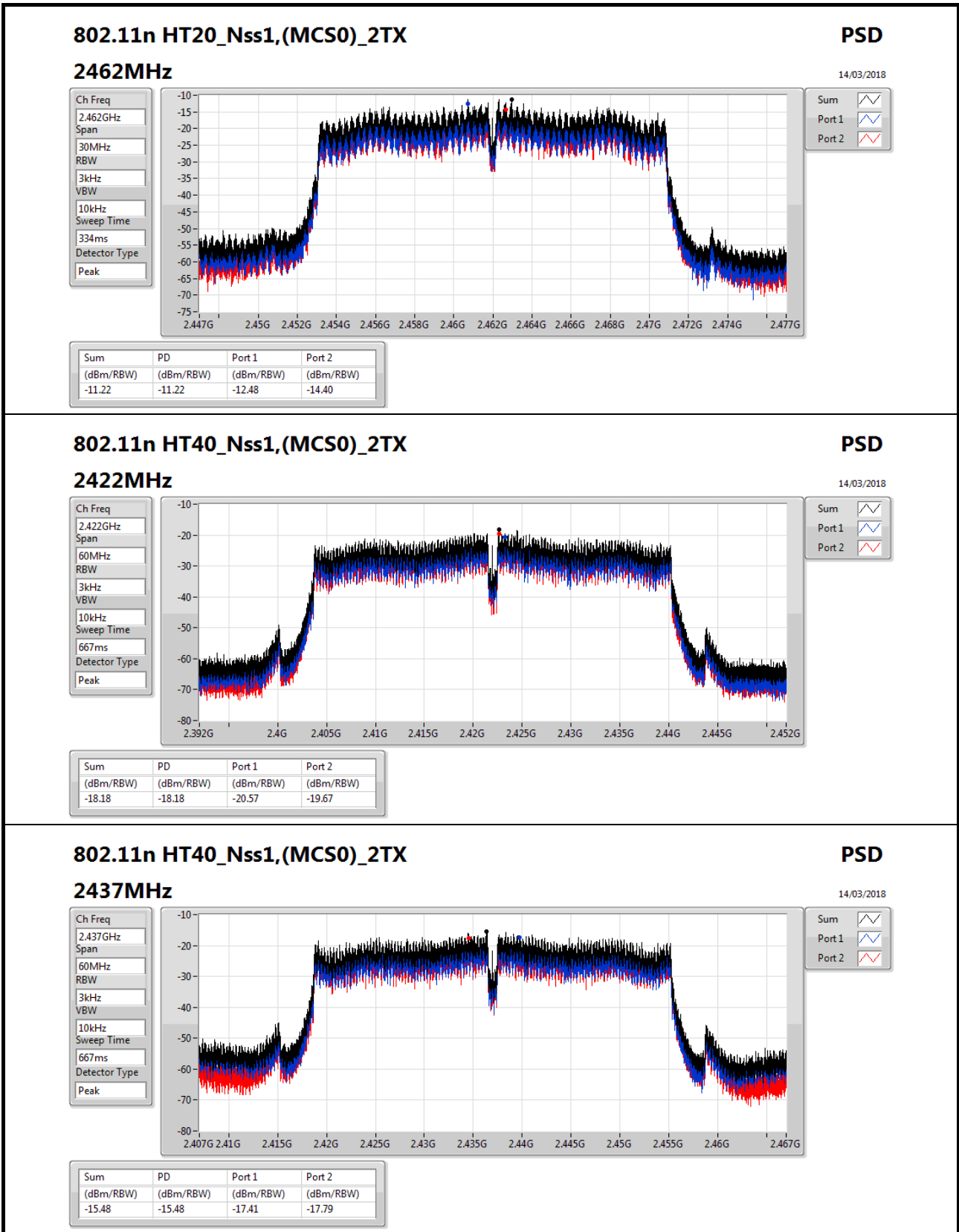
Sweep Time
334ms

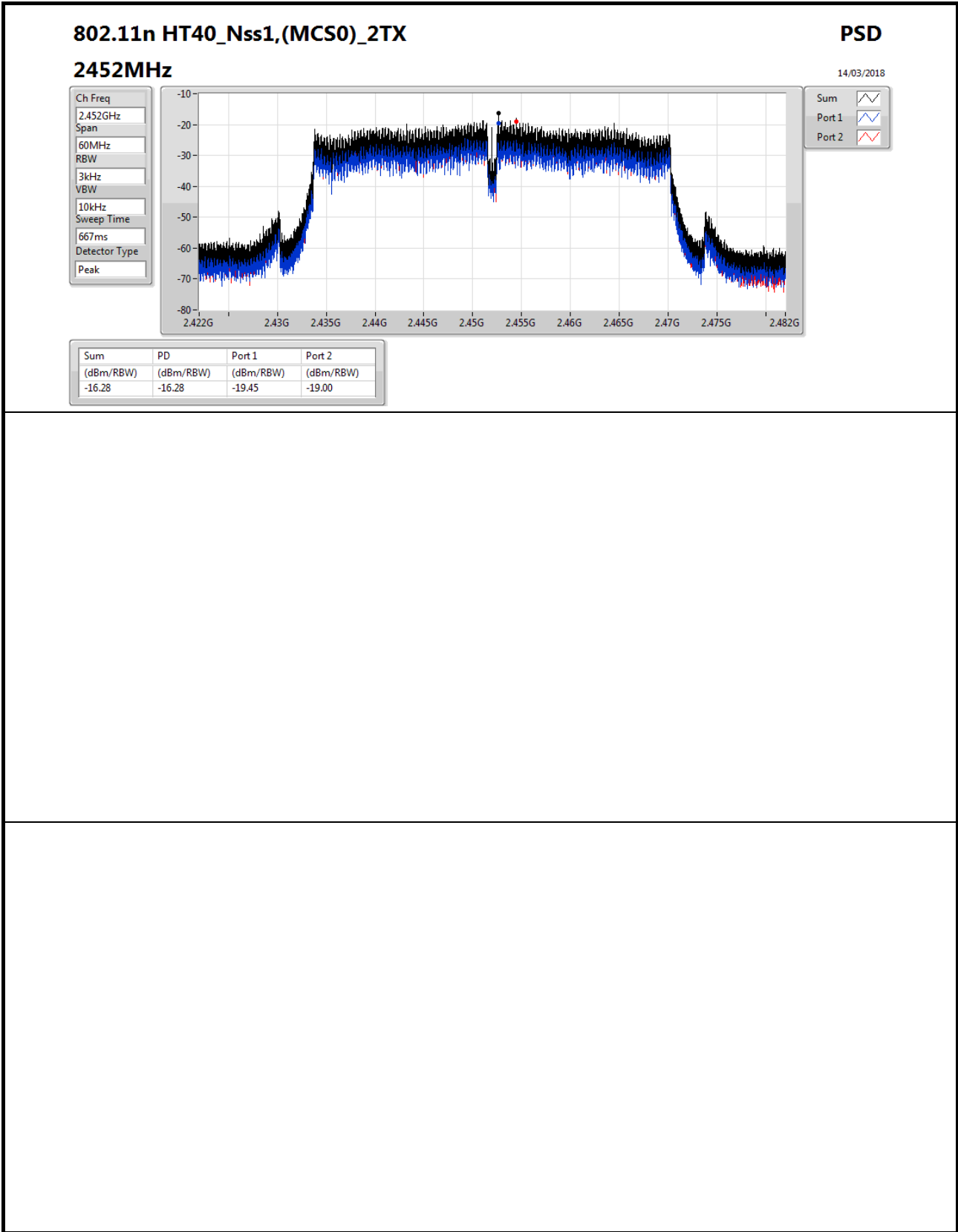
Detector Type
Peak

Sum

Port 1

Port 2





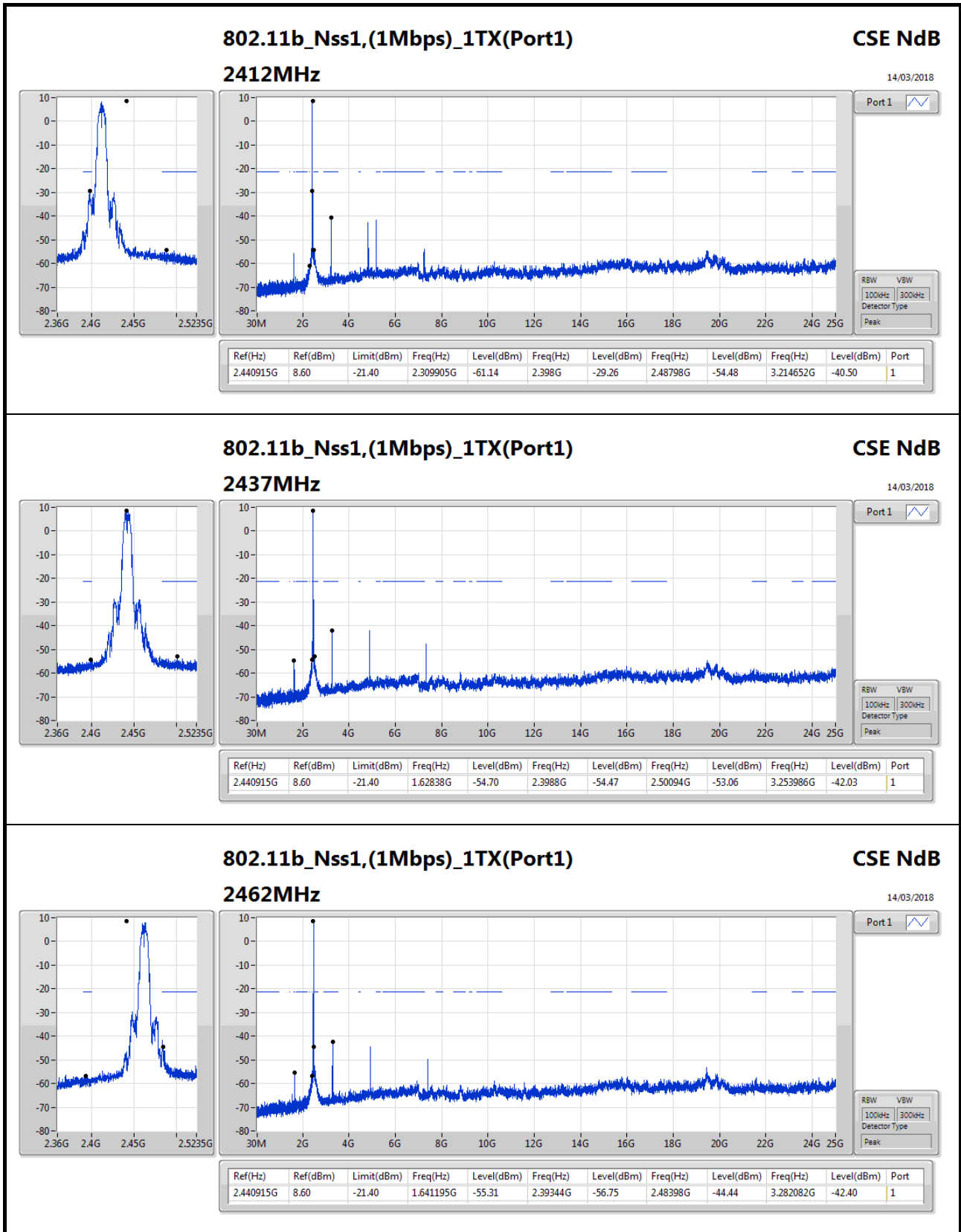


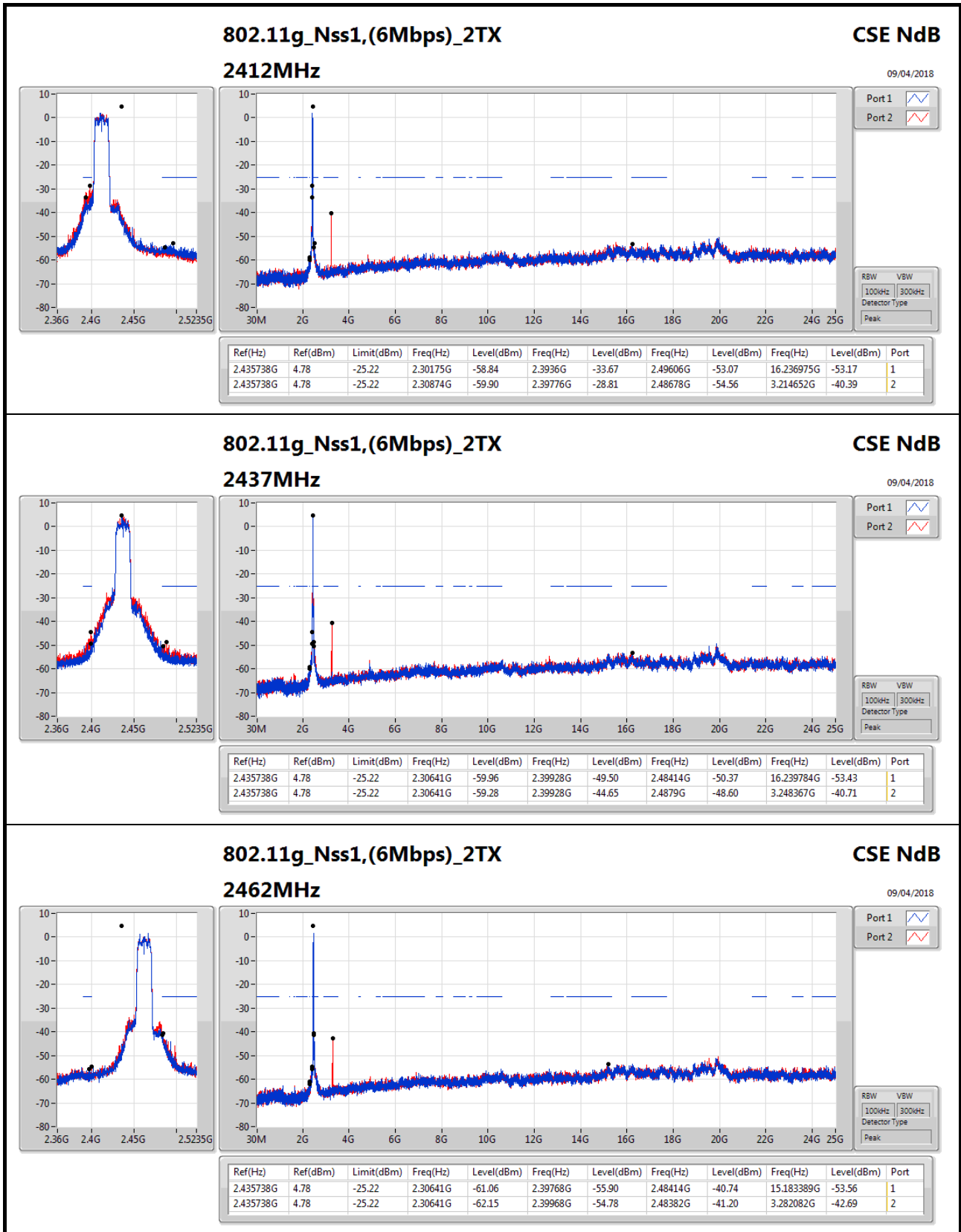
Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	Pass	2.440915G	8.60	-21.40	2.309905G	-61.14	2.398G	-29.26	2.48798G	-54.48	3.214652G	-40.50	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.435738G	4.78	-25.22	2.30874G	-59.90	2.39776G	-28.81	2.48678G	-54.56	3.214652G	-40.39	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.439412G	4.51	-25.49	2.307575G	-60.09	2.39984G	-33.44	2.49038G	-55.88	3.214652G	-41.43	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.448263G	-5.00	-35.00	2.128785G	-64.03	2.39952G	-35.32	2.4851G	-49.41	3.247813G	-44.59	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.440915G	8.60	-21.40	2.309905G	-61.14	2.398G	-29.26	2.48798G	-54.48	3.214652G	-40.50	1
2437MHz_TnomVnom	Pass	2.440915G	8.60	-21.40	1.62838G	-54.70	2.3988G	-54.47	2.50094G	-53.06	3.253986G	-42.03	1
2462MHz_TnomVnom	Pass	2.440915G	8.60	-21.40	1.641195G	-55.31	2.39344G	-56.75	2.48398G	-44.44	3.282082G	-42.40	1
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.435738G	4.78	-25.22	2.30175G	-58.84	2.3936G	-33.67	2.49606G	-53.07	16.236975G	-53.17	1
2412MHz_TnomVnom	Pass	2.435738G	4.78	-25.22	2.30874G	-59.90	2.39776G	-28.81	2.48678G	-54.56	3.214652G	-40.39	2
2437MHz_TnomVnom	Pass	2.435738G	4.78	-25.22	2.30641G	-59.96	2.39928G	-49.50	2.48414G	-50.37	16.239784G	-53.43	1
2437MHz_TnomVnom	Pass	2.435738G	4.78	-25.22	2.30641G	-59.28	2.39928G	-44.65	2.4879G	-48.60	3.248367G	-40.71	2
2462MHz_TnomVnom	Pass	2.435738G	4.78	-25.22	2.30641G	-61.06	2.39768G	-55.90	2.48414G	-40.74	15.183389G	-53.56	1
2462MHz_TnomVnom	Pass	2.435738G	4.78	-25.22	2.30641G	-62.15	2.39968G	-54.78	2.48382G	-41.20	3.282082G	-42.69	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.439412G	4.51	-25.49	2.307575G	-61.14	2.39952G	-34.90	2.4863G	-54.79	17.461944G	-53.60	1
2412MHz_TnomVnom	Pass	2.439412G	4.51	-25.49	2.307575G	-60.09	2.39984G	-33.44	2.49038G	-55.88	3.214652G	-41.43	2
2437MHz_TnomVnom	Pass	2.439412G	4.51	-25.49	2.30641G	-62.25	2.398G	-45.99	2.48686G	-50.65	17.447896G	-53.30	1
2437MHz_TnomVnom	Pass	2.439412G	4.51	-25.49	2.309905G	-60.59	2.39824G	-44.00	2.4843G	-50.97	3.248367G	-41.06	2
2462MHz_TnomVnom	Pass	2.439412G	4.51	-25.49	2.307575G	-61.87	2.39048G	-56.21	2.48358G	-41.51	17.467563G	-54.13	1
2462MHz_TnomVnom	Pass	2.439412G	4.51	-25.49	862.975M	-61.87	2.39008G	-56.34	2.48358G	-41.04	3.282082G	-43.11	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.448263G	-5.00	-35.00	2.309695G	-63.97	2.39984G	-39.03	2.48702G	-57.77	3.228181G	-45.19	1
2422MHz_TnomVnom	Pass	2.448263G	-5.00	-35.00	2.30855G	-64.65	2.39984G	-42.58	2.48558G	-58.54	14.774565G	-57.92	2
2437MHz_TnomVnom	Pass	2.448263G	-5.00	-35.00	2.128785G	-64.03	2.39952G	-35.32	2.4851G	-49.41	3.247813G	-44.59	1
2437MHz_TnomVnom	Pass	2.448263G	-5.00	-35.00	2.30626G	-64.88	2.3992G	-41.63	2.48382G	-50.93	15.12794G	-58.34	2
2452MHz_TnomVnom	Pass	2.448263G	-5.00	-35.00	2.126495G	-64.85	2.39648G	-60.24	2.48382G	-48.46	3.267445G	-46.45	1
2452MHz_TnomVnom	Pass	2.448263G	-5.00	-35.00	2.057795G	-65.35	2.39696G	-58.56	2.48478G	-46.44	24.935495G	-56.80	2





802.11g_Nss1,(6Mbps)_2TX

2462MHz

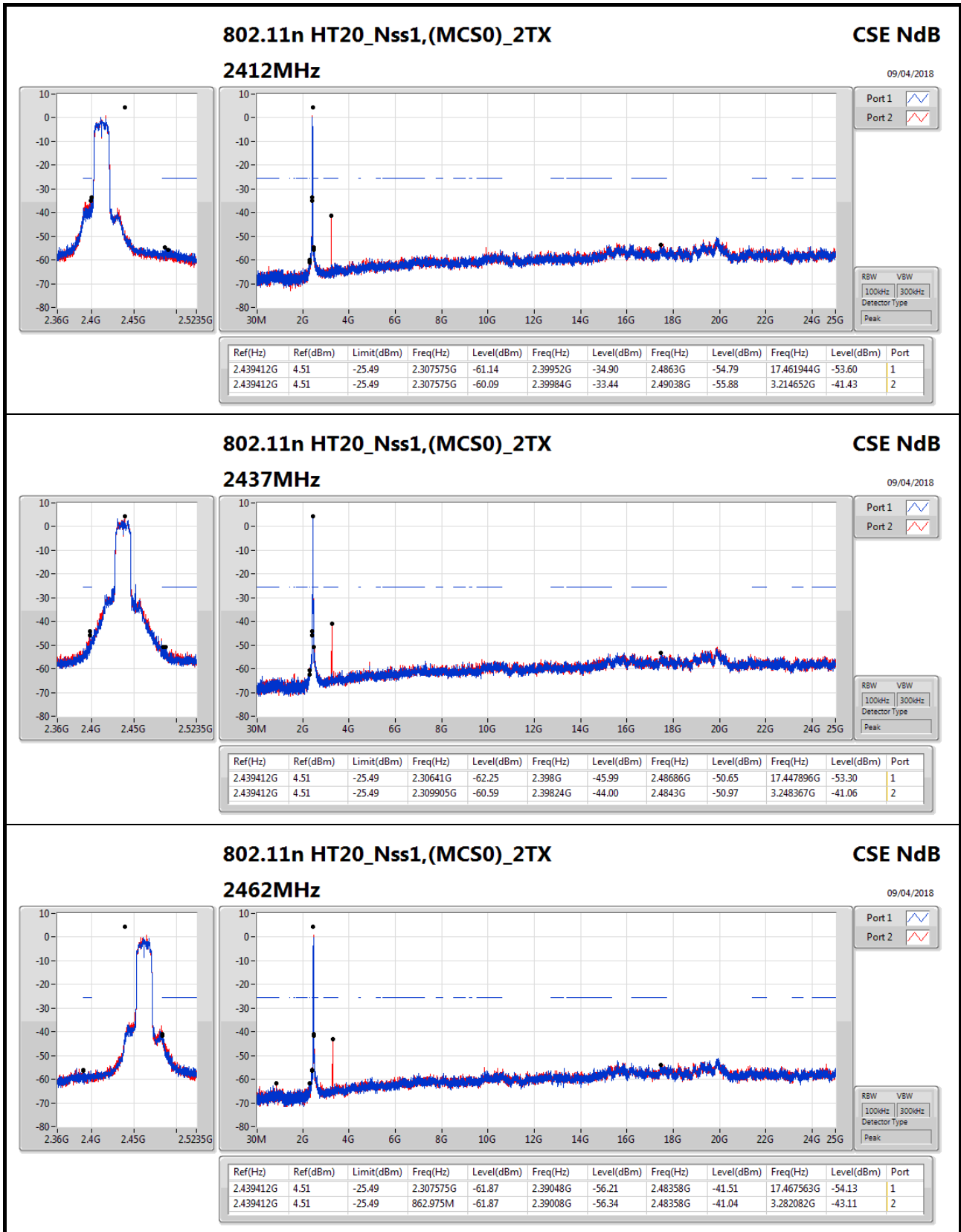
CSE NdB

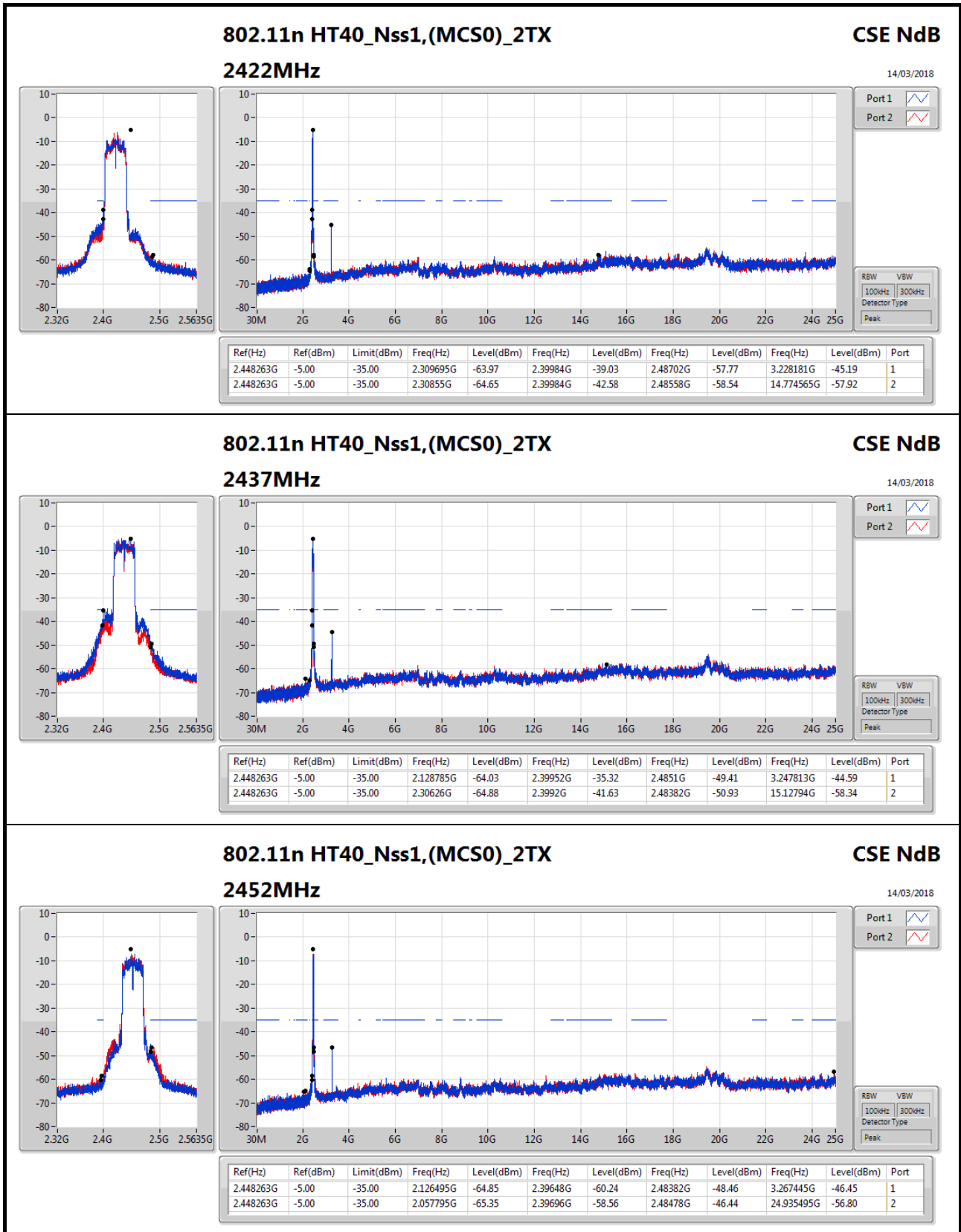
09/04/2018

Port 1

Port 2

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	4.78	-25.22	2.30641G	-61.06	2.39768G	-55.90	2.48414G	-40.74	15.183389G	-53.56	1
2.435738G	4.78	-25.22	2.30641G	-62.15	2.39968G	-54.78	2.48382G	-41.20	3.282082G	-42.69	2







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	901.06M	37.33	46.00	-8.67	2.83	3	Horizontal	0	1.00	-



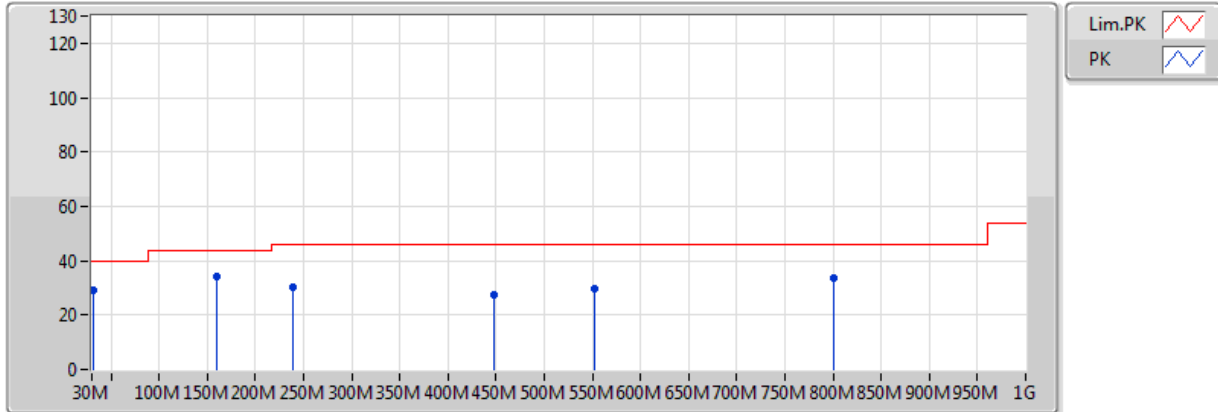
Result

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	26.68	40.00	-13.32	-2.39	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	148.34M	26.82	43.50	-16.68	-9.51	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	249.22M	32.50	46.00	-13.50	-6.60	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	377.26M	28.61	46.00	-17.39	-4.21	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	800.18M	33.45	46.00	-12.55	1.92	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	901.06M	37.33	46.00	-8.67	2.83	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	31.94M	28.93	40.00	-11.07	-3.57	3	Vertical	360	1.00	-
2437MHz	Pass	PK	159.98M	34.20	43.50	-9.30	-9.98	3	Vertical	360	1.00	-
2437MHz	Pass	PK	239.52M	30.20	46.00	-15.80	-7.72	3	Vertical	360	1.00	-
2437MHz	Pass	PK	447.1M	27.59	46.00	-18.41	-2.47	3	Vertical	360	1.00	-
2437MHz	Pass	PK	551.86M	29.78	46.00	-16.22	-0.38	3	Vertical	360	1.00	-
2437MHz	Pass	PK	800.18M	33.85	46.00	-12.15	1.92	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Adapter

24/03/2018

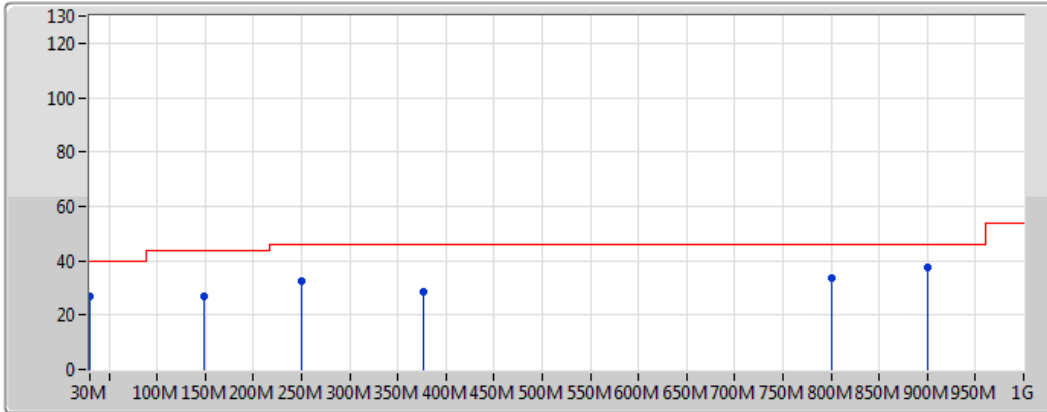


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	28.93	40.00	-11.07	-3.57	3	Vertical	360	1.00	-	32.50	22.27	1.74	27.58
PK	159.98M	34.20	43.50	-9.30	-9.98	3	Vertical	360	1.00	-	44.18	14.93	2.18	27.09
PK	239.52M	30.20	46.00	-15.80	-7.72	3	Vertical	360	1.00	-	37.92	16.49	2.61	26.82
PK	447.1M	27.59	46.00	-18.41	-2.47	3	Vertical	360	1.00	-	30.06	21.67	3.41	27.55
PK	551.86M	29.78	46.00	-16.22	-0.38	3	Vertical	360	1.00	-	30.16	23.87	3.66	27.91
PK	800.18M	33.85	46.00	-12.15	1.92	3	Vertical	360	1.00	-	31.93	24.97	4.69	27.74

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Adapter

24/03/2018



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	26.68	40.00	-13.32	-2.39	3	Horizontal	0	1.00	-	29.07	23.48	1.71	27.58
PK	148.34M	26.82	43.50	-16.68	-9.51	3	Horizontal	0	1.00	-	36.33	15.53	2.11	27.15
PK	249.22M	32.50	46.00	-13.50	-6.60	3	Horizontal	0	1.00	-	39.10	17.66	2.55	26.80
PK	377.26M	28.61	46.00	-17.39	-4.21	3	Horizontal	0	1.00	-	32.82	19.93	3.02	27.15
PK	800.18M	33.45	46.00	-12.55	1.92	3	Horizontal	0	1.00	-	31.53	24.97	4.69	27.74
PK	901.06M	37.33	46.00	-8.67	2.83	3	Horizontal	0	1.00	-	34.50	25.55	4.78	27.50



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)_1TX(Port1)	Pass	AV	2.389998G	53.57	54.00	-0.43	30.55	3	Horizontal	23	1.53	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.3876G	53.83	54.00	-0.17	34.92	3	Horizontal	241	1.01	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.87	54.00	-0.13	34.92	3	Horizontal	251	1.01	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.85	54.00	-0.15	34.92	3	Horizontal	250	1.02	-



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)_1TX(Por1)	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.57	54.00	-0.43	30.55	3	Horizontal	23	1.53	-
2412MHz	Pass	AV	2.4128G	104.61	Inf	-Inf	30.64	3	Horizontal	23	1.53	-
2412MHz	Pass	PK	2.389998G	61.81	74.00	-12.19	30.55	3	Horizontal	23	1.53	-
2412MHz	Pass	PK	2.413G	107.38	Inf	-Inf	30.64	3	Horizontal	23	1.53	-
2412MHz	Pass	AV	2.389998G	51.48	54.00	-2.52	30.55	3	Vertical	227	2.51	-
2412MHz	Pass	AV	2.4128G	100.29	Inf	-Inf	30.64	3	Vertical	227	2.51	-
2412MHz	Pass	PK	2.3894G	60.58	74.00	-13.42	30.55	3	Vertical	227	2.51	-
2412MHz	Pass	PK	2.413G	102.93	Inf	-Inf	30.64	3	Vertical	227	2.51	-
2412MHz	Pass	AV	4.82394G	49.45	54.00	-4.55	5.96	3	Horizontal	287	1.02	-
2412MHz	Pass	PK	4.824G	56.20	74.00	-17.80	5.96	3	Horizontal	287	1.02	-
2412MHz	Pass	AV	4.82391G	48.03	54.00	-5.97	5.96	3	Vertical	273	2.51	-
2412MHz	Pass	PK	4.82399G	52.27	74.00	-21.73	5.96	3	Vertical	273	2.51	-
2417MHz	Pass	AV	2.389998G	50.62	54.00	-3.38	34.92	3	Horizontal	347	3.12	-
2417MHz	Pass	AV	2.418G	99.09	Inf	-Inf	35.05	3	Horizontal	347	3.12	-
2417MHz	Pass	PK	2.3762G	61.22	74.00	-12.78	34.85	3	Horizontal	347	3.12	-
2417MHz	Pass	PK	2.417G	102.49	Inf	-Inf	35.05	3	Horizontal	347	3.12	-
2417MHz	Pass	AV	2.389998G	50.46	54.00	-3.54	34.92	3	Vertical	218	3.17	-
2417MHz	Pass	AV	2.416G	97.03	Inf	-Inf	35.05	3	Vertical	218	3.17	-
2417MHz	Pass	PK	2.3748G	60.70	74.00	-13.30	34.85	3	Vertical	218	3.17	-
2417MHz	Pass	PK	2.417G	100.41	Inf	-Inf	35.05	3	Vertical	218	3.17	-
2437MHz	Pass	AV	2.3886G	44.85	54.00	-9.15	30.55	3	Horizontal	28	1.01	-
2437MHz	Pass	AV	2.4362G	103.82	Inf	-Inf	30.72	3	Horizontal	28	1.01	-
2437MHz	Pass	AV	2.4898G	45.97	54.00	-8.03	30.91	3	Horizontal	28	1.01	-
2437MHz	Pass	PK	2.3762G	57.42	74.00	-16.58	30.51	3	Horizontal	28	1.01	-
2437MHz	Pass	PK	2.4862G	60.07	74.00	-13.93	30.90	3	Horizontal	28	1.01	-
2437MHz	Pass	AV	2.389G	44.36	54.00	-9.64	30.55	3	Vertical	230	2.45	-
2437MHz	Pass	AV	2.4362G	97.96	Inf	-Inf	30.72	3	Vertical	230	2.45	-
2437MHz	Pass	AV	2.4898G	45.11	54.00	-8.89	30.91	3	Vertical	230	2.45	-
2437MHz	Pass	PK	2.3726G	57.69	74.00	-16.31	30.50	3	Vertical	230	2.45	-
2437MHz	Pass	PK	2.4362G	100.70	Inf	-Inf	30.72	3	Vertical	230	2.45	-
2437MHz	Pass	PK	2.491G	58.09	74.00	-15.91	30.92	3	Vertical	230	2.45	-
2437MHz	Pass	AV	4.87398G	43.34	54.00	-10.66	6.08	3	Horizontal	285	1.09	-
2437MHz	Pass	PK	4.87375G	49.20	74.00	-24.80	6.08	3	Horizontal	285	1.09	-
2437MHz	Pass	AV	4.87396G	45.20	54.00	-8.80	6.08	3	Vertical	267	2.17	-
2437MHz	Pass	PK	4.87396G	49.83	74.00	-24.17	6.08	3	Vertical	267	2.17	-
2457MHz	Pass	AV	2.456G	99.06	Inf	-Inf	35.23	3	Horizontal	14	1.00	-
2457MHz	Pass	AV	2.483502G	51.38	54.00	-2.62	35.36	3	Horizontal	14	1.00	-
2457MHz	Pass	PK	2.457G	102.04	Inf	-Inf	35.24	3	Horizontal	14	1.00	-
2457MHz	Pass	PK	2.4968G	62.06	74.00	-11.94	35.42	3	Horizontal	14	1.00	-
2457MHz	Pass	AV	2.458G	89.22	Inf	-Inf	35.24	3	Vertical	213	1.00	-
2457MHz	Pass	AV	2.4988G	50.97	54.00	-3.03	35.44	3	Vertical	213	1.00	-
2457MHz	Pass	PK	2.457G	92.52	Inf	-Inf	35.24	3	Vertical	213	1.00	-
2457MHz	Pass	PK	2.4918G	61.81	74.00	-12.19	35.40	3	Vertical	213	1.00	-
2462MHz	Pass	AV	2.4612G	100.86	Inf	-Inf	30.81	3	Horizontal	23	1.31	-
2462MHz	Pass	AV	2.483502G	52.87	54.00	-1.13	30.89	3	Horizontal	23	1.31	-
2462MHz	Pass	PK	2.4618G	103.55	Inf	-Inf	30.81	3	Horizontal	23	1.31	-
2462MHz	Pass	PK	2.4836G	61.69	74.00	-12.31	30.89	3	Horizontal	23	1.31	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	2.4628G	97.16	Inf	-Inf	30.82	3	Vertical	62	2.71	-
2462MHz	Pass	AV	2.483502G	49.58	54.00	-4.42	30.89	3	Vertical	62	2.71	-
2462MHz	Pass	PK	2.462G	99.89	Inf	-Inf	30.81	3	Vertical	62	2.71	-
2462MHz	Pass	PK	2.4836G	60.11	74.00	-13.89	30.89	3	Vertical	62	2.71	-
2462MHz	Pass	AV	4.923976G	42.49	54.00	-11.51	6.21	3	Horizontal	287	1.06	-
2462MHz	Pass	PK	4.92408G	49.12	74.00	-24.88	6.21	3	Horizontal	287	1.06	-
2462MHz	Pass	AV	4.92402G	44.52	54.00	-9.48	6.21	3	Vertical	281	2.14	-
2462MHz	Pass	PK	4.92403G	50.68	74.00	-23.32	6.21	3	Vertical	281	2.14	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.42	54.00	-0.58	30.55	3	Horizontal	246	1.18	-
2412MHz	Pass	AV	2.4128G	101.08	Inf	-Inf	30.64	3	Horizontal	246	1.18	-
2412MHz	Pass	PK	2.3882G	72.20	74.00	-1.80	30.55	3	Horizontal	246	1.18	-
2412MHz	Pass	PK	2.413G	111.05	Inf	-Inf	30.64	3	Horizontal	246	1.18	-
2412MHz	Pass	AV	2.3896G	52.21	54.00	-1.79	30.55	3	Vertical	228	2.85	-
2412MHz	Pass	AV	2.4134G	94.35	Inf	-Inf	30.64	3	Vertical	228	2.85	-
2412MHz	Pass	PK	2.389998G	70.20	74.00	-3.80	30.55	3	Vertical	228	2.85	-
2412MHz	Pass	PK	2.4134G	104.14	Inf	-Inf	30.64	3	Vertical	228	2.85	-
2412MHz	Pass	AV	4.824679G	34.62	54.00	-19.38	5.96	3	Horizontal	296	1.00	-
2412MHz	Pass	PK	4.824878G	48.54	74.00	-25.46	5.96	3	Horizontal	296	1.00	-
2412MHz	Pass	AV	4.825158G	33.81	54.00	-20.19	5.96	3	Vertical	210	1.14	-
2412MHz	Pass	PK	4.826116G	47.61	74.00	-26.39	5.97	3	Vertical	210	1.14	-
2417MHz	Pass	AV	2.388G	53.49	54.00	-0.51	34.92	3	Horizontal	243	1.02	-
2417MHz	Pass	AV	2.4178G	101.03	Inf	-Inf	35.05	3	Horizontal	243	1.02	-
2417MHz	Pass	PK	2.3878G	68.41	74.00	-5.59	34.92	3	Horizontal	243	1.02	-
2417MHz	Pass	PK	2.418G	109.30	Inf	-Inf	35.05	3	Horizontal	243	1.02	-
2417MHz	Pass	AV	2.3894G	50.38	54.00	-3.62	34.92	3	Vertical	1	1.01	-
2417MHz	Pass	AV	2.4152G	89.45	Inf	-Inf	35.04	3	Vertical	1	1.01	-
2417MHz	Pass	PK	2.3854G	62.17	74.00	-11.83	34.90	3	Vertical	1	1.01	-
2417MHz	Pass	PK	2.4148G	97.82	Inf	-Inf	35.04	3	Vertical	1	1.01	-
2422MHz	Pass	AV	2.388G	53.61	54.00	-0.39	34.92	3	Horizontal	241	1.01	-
2422MHz	Pass	AV	2.423G	102.81	Inf	-Inf	35.08	3	Horizontal	241	1.01	-
2422MHz	Pass	PK	2.3886G	68.40	74.00	-5.60	34.92	3	Horizontal	241	1.01	-
2422MHz	Pass	PK	2.4232G	111.24	Inf	-Inf	35.08	3	Horizontal	241	1.01	-
2422MHz	Pass	AV	2.3898G	50.49	54.00	-3.51	34.92	3	Vertical	357	1.04	-
2422MHz	Pass	AV	2.4242G	90.83	Inf	-Inf	35.08	3	Vertical	357	1.04	-
2422MHz	Pass	PK	2.3894G	62.16	74.00	-11.84	34.92	3	Vertical	357	1.04	-
2422MHz	Pass	PK	2.4198G	99.29	Inf	-Inf	35.06	3	Vertical	357	1.04	-
2427MHz	Pass	AV	2.3876G	53.83	54.00	-0.17	34.92	3	Horizontal	241	1.01	-
2427MHz	Pass	AV	2.428G	104.07	Inf	-Inf	35.10	3	Horizontal	241	1.01	-
2427MHz	Pass	PK	2.3874G	68.79	74.00	-5.21	34.91	3	Horizontal	241	1.01	-
2427MHz	Pass	PK	2.428G	112.16	Inf	-Inf	35.10	3	Horizontal	241	1.01	-
2427MHz	Pass	AV	2.3894G	50.56	54.00	-3.44	34.92	3	Vertical	2	1.02	-
2427MHz	Pass	AV	2.425G	92.03	Inf	-Inf	35.09	3	Vertical	2	1.02	-
2427MHz	Pass	PK	2.389G	62.05	74.00	-11.95	34.92	3	Vertical	2	1.02	-
2427MHz	Pass	PK	2.4258G	100.12	Inf	-Inf	35.09	3	Vertical	2	1.02	-
2432MHz	Pass	AV	2.3884G	53.76	54.00	-0.24	34.92	3	Horizontal	241	1.01	-
2432MHz	Pass	AV	2.4328G	104.69	Inf	-Inf	35.12	3	Horizontal	241	1.01	-
2432MHz	Pass	AV	2.4864G	52.27	54.00	-1.73	35.37	3	Horizontal	241	1.01	-
2432MHz	Pass	PK	2.3884G	71.16	74.00	-2.84	34.92	3	Horizontal	241	1.01	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2432MHz	Pass	PK	2.4328G	113.30	Inf	-Inf	35.12	3	Horizontal	241	1.01	-
2432MHz	Pass	PK	2.4876G	65.98	74.00	-8.02	35.39	3	Horizontal	241	1.01	-
2432MHz	Pass	AV	2.389998G	50.84	54.00	-3.16	34.92	3	Vertical	321	1.04	-
2432MHz	Pass	AV	2.4304G	95.00	Inf	-Inf	35.11	3	Vertical	321	1.04	-
2432MHz	Pass	AV	2.484G	51.11	54.00	-2.89	35.37	3	Vertical	321	1.04	-
2432MHz	Pass	PK	2.388G	61.93	74.00	-12.07	34.92	3	Vertical	321	1.04	-
2432MHz	Pass	PK	2.4304G	103.11	Inf	-Inf	35.11	3	Vertical	321	1.04	-
2432MHz	Pass	PK	2.4852G	61.53	74.00	-12.47	35.37	3	Vertical	321	1.04	-
2437MHz	Pass	AV	2.3882G	51.53	54.00	-2.47	30.55	3	Horizontal	244	1.24	-
2437MHz	Pass	AV	2.4374G	107.72	Inf	-Inf	30.72	3	Horizontal	244	1.24	-
2437MHz	Pass	AV	2.4866G	53.52	54.00	-0.48	30.91	3	Horizontal	244	1.24	-
2437MHz	Pass	PK	2.3878G	73.33	74.00	-0.67	30.55	3	Horizontal	244	1.24	-
2437MHz	Pass	PK	2.4374G	117.18	Inf	-Inf	30.72	3	Horizontal	244	1.24	-
2437MHz	Pass	PK	2.4874G	69.75	74.00	-4.25	30.91	3	Horizontal	244	1.24	-
2437MHz	Pass	AV	2.3894G	47.48	54.00	-6.52	30.55	3	Vertical	334	1.10	-
2437MHz	Pass	AV	2.4354G	98.00	Inf	-Inf	30.72	3	Vertical	334	1.10	-
2437MHz	Pass	AV	2.4842G	48.47	54.00	-5.53	30.89	3	Vertical	334	1.10	-
2437MHz	Pass	PK	2.3898G	61.98	74.00	-12.02	30.55	3	Vertical	334	1.10	-
2437MHz	Pass	PK	2.4354G	107.44	Inf	-Inf	30.72	3	Vertical	334	1.10	-
2437MHz	Pass	PK	2.4862G	62.87	74.00	-11.13	30.90	3	Vertical	334	1.10	-
2437MHz	Pass	AV	4.8747G	47.99	54.00	-6.01	6.09	3	Horizontal	300	1.01	-
2437MHz	Pass	PK	4.8746G	61.63	74.00	-12.37	6.09	3	Horizontal	300	1.01	-
2437MHz	Pass	AV	4.8745G	47.27	54.00	-6.73	6.09	3	Vertical	166	1.12	-
2437MHz	Pass	PK	4.8745G	61.46	74.00	-12.54	6.09	3	Vertical	166	1.12	-
2442MHz	Pass	AV	2.388G	50.85	54.00	-3.15	34.92	3	Horizontal	233	1.12	-
2442MHz	Pass	AV	2.4428G	104.95	Inf	-Inf	35.17	3	Horizontal	233	1.12	-
2442MHz	Pass	AV	2.4864G	53.65	54.00	-0.35	35.37	3	Horizontal	233	1.12	-
2442MHz	Pass	PK	2.388G	63.75	74.00	-10.25	34.92	3	Horizontal	233	1.12	-
2442MHz	Pass	PK	2.4432G	112.59	Inf	-Inf	35.17	3	Horizontal	233	1.12	-
2442MHz	Pass	PK	2.4876G	67.42	74.00	-6.58	35.39	3	Horizontal	233	1.12	-
2442MHz	Pass	AV	2.3892G	50.25	54.00	-3.75	34.92	3	Vertical	213	2.97	-
2442MHz	Pass	AV	2.4436G	96.03	Inf	-Inf	35.17	3	Vertical	213	2.97	-
2442MHz	Pass	AV	2.483502G	51.37	54.00	-2.63	35.36	3	Vertical	213	2.97	-
2442MHz	Pass	PK	2.3884G	60.87	74.00	-13.13	34.92	3	Vertical	213	2.97	-
2442MHz	Pass	PK	2.4432G	104.06	Inf	-Inf	35.17	3	Vertical	213	2.97	-
2442MHz	Pass	PK	2.484G	62.37	74.00	-11.63	35.37	3	Vertical	213	2.97	-
2447MHz	Pass	AV	2.4478G	103.27	Inf	-Inf	35.19	3	Horizontal	235	1.00	-
2447MHz	Pass	AV	2.483502G	53.65	54.00	-0.35	35.36	3	Horizontal	235	1.00	-
2447MHz	Pass	PK	2.4478G	110.91	Inf	-Inf	35.19	3	Horizontal	235	1.00	-
2447MHz	Pass	PK	2.4872G	66.81	74.00	-7.19	35.38	3	Horizontal	235	1.00	-
2447MHz	Pass	AV	2.4484G	94.48	Inf	-Inf	35.20	3	Vertical	211	2.94	-
2447MHz	Pass	AV	2.483502G	51.45	54.00	-2.55	35.36	3	Vertical	211	2.94	-
2447MHz	Pass	PK	2.4486G	102.09	Inf	-Inf	35.20	3	Vertical	211	2.94	-
2447MHz	Pass	PK	2.487G	62.01	74.00	-11.99	35.38	3	Vertical	211	2.94	-
2452MHz	Pass	AV	2.4528G	101.86	Inf	-Inf	35.22	3	Horizontal	234	1.00	-
2452MHz	Pass	AV	2.483502G	53.72	54.00	-0.28	35.36	3	Horizontal	234	1.00	-
2452MHz	Pass	PK	2.4528G	110.21	Inf	-Inf	35.22	3	Horizontal	234	1.00	-
2452MHz	Pass	PK	2.4868G	67.88	74.00	-6.12	35.37	3	Horizontal	234	1.00	-
2452MHz	Pass	AV	2.4536G	93.02	Inf	-Inf	35.22	3	Vertical	214	2.95	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	AV	2.4836G	51.38	54.00	-2.62	35.36	3	Vertical	214	2.95	-
2452MHz	Pass	PK	2.4534G	101.10	Inf	-Inf	35.22	3	Vertical	214	2.95	-
2452MHz	Pass	PK	2.487G	62.64	74.00	-11.36	35.38	3	Vertical	214	2.95	-
2457MHz	Pass	AV	2.4578G	100.24	Inf	-Inf	35.24	3	Horizontal	238	1.00	-
2457MHz	Pass	AV	2.483502G	53.62	54.00	-0.38	35.36	3	Horizontal	238	1.00	-
2457MHz	Pass	PK	2.458G	107.40	Inf	-Inf	35.24	3	Horizontal	238	1.00	-
2457MHz	Pass	PK	2.4866G	65.98	74.00	-8.02	35.37	3	Horizontal	238	1.00	-
2457MHz	Pass	AV	2.4584G	90.02	Inf	-Inf	35.24	3	Vertical	213	3.20	-
2457MHz	Pass	AV	2.4836G	52.09	54.00	-1.91	35.36	3	Vertical	213	3.20	-
2457MHz	Pass	PK	2.4632G	98.44	Inf	-Inf	35.27	3	Vertical	213	3.20	-
2457MHz	Pass	PK	2.4838G	63.89	74.00	-10.11	35.36	3	Vertical	213	3.20	-
2462MHz	Pass	AV	2.4626G	100.02	Inf	-Inf	30.82	3	Horizontal	241	1.19	-
2462MHz	Pass	AV	2.483502G	53.80	54.00	-0.20	30.89	3	Horizontal	241	1.19	-
2462MHz	Pass	PK	2.4624G	111.62	Inf	-Inf	30.81	3	Horizontal	241	1.19	-
2462MHz	Pass	PK	2.4836G	70.54	74.00	-3.46	30.89	3	Horizontal	241	1.19	-
2462MHz	Pass	AV	2.4628G	91.10	Inf	-Inf	30.82	3	Vertical	228	2.17	-
2462MHz	Pass	AV	2.483502G	47.78	54.00	-6.22	30.89	3	Vertical	228	2.17	-
2462MHz	Pass	PK	2.4628G	100.99	Inf	-Inf	30.82	3	Vertical	228	2.17	-
2462MHz	Pass	PK	2.483502G	64.48	74.00	-9.52	30.89	3	Vertical	228	2.17	-
2462MHz	Pass	AV	4.9254G	34.95	54.00	-19.05	6.21	3	Horizontal	302	1.00	-
2462MHz	Pass	PK	4.92091G	49.14	74.00	-24.86	6.20	3	Horizontal	302	1.00	-
2462MHz	Pass	AV	4.92491G	33.07	54.00	-20.93	6.21	3	Vertical	166	2.25	-
2462MHz	Pass	PK	4.92636G	45.99	74.00	-28.01	6.22	3	Vertical	166	2.25	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.76	54.00	-0.24	30.55	3	Horizontal	254	1.20	-
2412MHz	Pass	AV	2.4126G	98.20	Inf	-Inf	30.64	3	Horizontal	254	1.20	-
2412MHz	Pass	PK	2.389998G	69.93	74.00	-4.07	30.55	3	Horizontal	254	1.20	-
2412MHz	Pass	PK	2.4126G	108.74	Inf	-Inf	30.64	3	Horizontal	254	1.20	-
2412MHz	Pass	AV	2.389998G	47.95	54.00	-6.05	30.55	3	Vertical	9	1.70	-
2412MHz	Pass	AV	2.413G	90.49	Inf	-Inf	30.64	3	Vertical	9	1.70	-
2412MHz	Pass	PK	2.389998G	61.68	74.00	-12.32	30.55	3	Vertical	9	1.70	-
2412MHz	Pass	PK	2.4126G	100.70	Inf	-Inf	30.64	3	Vertical	9	1.70	-
2412MHz	Pass	AV	4.831226G	32.58	54.00	-21.42	5.98	3	Horizontal	274	1.57	-
2412MHz	Pass	PK	4.831226G	42.53	74.00	-31.47	5.98	3	Horizontal	274	1.57	-
2412MHz	Pass	AV	4.823082G	32.19	54.00	-21.81	5.96	3	Vertical	135	2.35	-
2412MHz	Pass	PK	4.823082G	42.83	74.00	-31.17	5.96	3	Vertical	135	2.35	-
2417MHz	Pass	AV	2.3898G	53.50	54.00	-0.50	34.92	3	Horizontal	236	1.00	-
2417MHz	Pass	AV	2.4176G	100.15	Inf	-Inf	35.05	3	Horizontal	236	1.00	-
2417MHz	Pass	PK	2.389998G	66.34	74.00	-7.66	34.92	3	Horizontal	236	1.00	-
2417MHz	Pass	PK	2.4228G	107.98	Inf	-Inf	35.08	3	Horizontal	236	1.00	-
2417MHz	Pass	AV	2.389998G	50.22	54.00	-3.78	34.92	3	Vertical	350	1.01	-
2417MHz	Pass	AV	2.416G	88.57	Inf	-Inf	35.05	3	Vertical	350	1.01	-
2417MHz	Pass	PK	2.376G	60.64	74.00	-13.36	34.85	3	Vertical	350	1.01	-
2417MHz	Pass	PK	2.418G	96.56	Inf	-Inf	35.05	3	Vertical	350	1.01	-
2422MHz	Pass	AV	2.3898G	53.87	54.00	-0.13	34.92	3	Horizontal	251	1.01	-
2422MHz	Pass	AV	2.4226G	101.54	Inf	-Inf	35.08	3	Horizontal	251	1.01	-
2422MHz	Pass	PK	2.389998G	70.21	74.00	-3.79	34.92	3	Horizontal	251	1.01	-
2422MHz	Pass	PK	2.4226G	109.46	Inf	-Inf	35.08	3	Horizontal	251	1.01	-
2422MHz	Pass	AV	2.3888G	50.19	54.00	-3.81	34.92	3	Vertical	8	1.02	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	2.4208G	90.34	Inf	-Inf	35.07	3	Vertical	8	1.02	-
2422MHz	Pass	PK	2.3882G	60.71	74.00	-13.29	34.92	3	Vertical	8	1.02	-
2422MHz	Pass	PK	2.4212G	98.83	Inf	-Inf	35.07	3	Vertical	8	1.02	-
2427MHz	Pass	AV	2.389998G	53.39	54.00	-0.61	34.92	3	Horizontal	251	1.01	-
2427MHz	Pass	AV	2.4276G	102.70	Inf	-Inf	35.10	3	Horizontal	251	1.01	-
2427MHz	Pass	PK	2.3898G	69.16	74.00	-4.84	34.92	3	Horizontal	251	1.01	-
2427MHz	Pass	PK	2.4276G	110.72	Inf	-Inf	35.10	3	Horizontal	251	1.01	-
2427MHz	Pass	AV	2.389998G	50.34	54.00	-3.66	34.92	3	Vertical	7	1.04	-
2427MHz	Pass	AV	2.426G	92.51	Inf	-Inf	35.09	3	Vertical	7	1.04	-
2427MHz	Pass	PK	2.3874G	60.80	74.00	-13.20	34.91	3	Vertical	7	1.04	-
2427MHz	Pass	PK	2.4262G	100.29	Inf	-Inf	35.09	3	Vertical	7	1.04	-
2432MHz	Pass	AV	2.389998G	53.87	54.00	-0.13	34.92	3	Horizontal	252	1.01	-
2432MHz	Pass	AV	2.4328G	103.44	Inf	-Inf	35.12	3	Horizontal	252	1.01	-
2432MHz	Pass	AV	2.4844G	51.94	54.00	-2.06	35.37	3	Horizontal	252	1.01	-
2432MHz	Pass	PK	2.388G	67.02	74.00	-6.98	34.92	3	Horizontal	252	1.01	-
2432MHz	Pass	PK	2.43G	111.65	Inf	-Inf	35.11	3	Horizontal	252	1.01	-
2432MHz	Pass	PK	2.4848G	63.99	74.00	-10.01	35.37	3	Horizontal	252	1.01	-
2432MHz	Pass	AV	2.389998G	50.68	54.00	-3.32	34.92	3	Vertical	10	1.02	-
2432MHz	Pass	AV	2.4312G	95.24	Inf	-Inf	35.12	3	Vertical	10	1.02	-
2432MHz	Pass	AV	2.483502G	51.14	54.00	-2.86	35.36	3	Vertical	10	1.02	-
2432MHz	Pass	PK	2.3704G	61.35	74.00	-12.65	34.83	3	Vertical	10	1.02	-
2432MHz	Pass	PK	2.4332G	102.88	Inf	-Inf	35.13	3	Vertical	10	1.02	-
2432MHz	Pass	PK	2.4856G	61.97	74.00	-12.03	35.37	3	Vertical	10	1.02	-
2437MHz	Pass	AV	2.3898G	52.61	54.00	-1.39	30.55	3	Horizontal	248	1.02	-
2437MHz	Pass	AV	2.4374G	105.96	Inf	-Inf	30.72	3	Horizontal	248	1.02	-
2437MHz	Pass	AV	2.4846G	53.61	54.00	-0.39	30.89	3	Horizontal	248	1.02	-
2437MHz	Pass	PK	2.3898G	69.80	74.00	-4.20	30.55	3	Horizontal	248	1.02	-
2437MHz	Pass	PK	2.4378G	116.11	Inf	-Inf	30.73	3	Horizontal	248	1.02	-
2437MHz	Pass	PK	2.485G	68.74	74.00	-5.26	30.89	3	Horizontal	248	1.02	-
2437MHz	Pass	AV	2.3898G	46.36	54.00	-7.64	30.55	3	Vertical	11	1.09	-
2437MHz	Pass	AV	2.4362G	96.36	Inf	-Inf	30.72	3	Vertical	11	1.09	-
2437MHz	Pass	AV	2.4862G	47.33	54.00	-6.67	30.90	3	Vertical	11	1.09	-
2437MHz	Pass	PK	2.389G	59.95	74.00	-14.05	30.55	3	Vertical	11	1.09	-
2437MHz	Pass	PK	2.4362G	106.99	Inf	-Inf	30.72	3	Vertical	11	1.09	-
2437MHz	Pass	PK	2.4886G	61.45	74.00	-12.55	30.91	3	Vertical	11	1.09	-
2437MHz	Pass	AV	4.8741G	43.71	54.00	-10.29	6.09	3	Horizontal	300	1.02	-
2437MHz	Pass	PK	4.8741G	56.35	74.00	-17.65	6.09	3	Horizontal	300	1.02	-
2437MHz	Pass	AV	4.8741G	44.83	54.00	-9.17	6.09	3	Vertical	165	1.13	-
2437MHz	Pass	PK	4.8741G	58.08	74.00	-15.92	6.09	3	Vertical	165	1.13	-
2442MHz	Pass	AV	2.389998G	50.79	54.00	-3.21	34.92	3	Horizontal	242	1.00	-
2442MHz	Pass	AV	2.4428G	103.73	Inf	-Inf	35.17	3	Horizontal	242	1.00	-
2442MHz	Pass	AV	2.4844G	53.54	54.00	-0.46	35.37	3	Horizontal	242	1.00	-
2442MHz	Pass	PK	2.3896G	61.66	74.00	-12.34	34.92	3	Horizontal	242	1.00	-
2442MHz	Pass	PK	2.4476G	110.67	Inf	-Inf	35.19	3	Horizontal	242	1.00	-
2442MHz	Pass	PK	2.4852G	64.22	74.00	-9.78	35.37	3	Horizontal	242	1.00	-
2442MHz	Pass	AV	2.388G	49.99	54.00	-4.01	34.92	3	Vertical	52	1.01	-
2442MHz	Pass	AV	2.4432G	93.79	Inf	-Inf	35.17	3	Vertical	52	1.01	-
2442MHz	Pass	AV	2.4856G	51.12	54.00	-2.88	35.37	3	Vertical	52	1.01	-
2442MHz	Pass	PK	2.3448G	60.88	74.00	-13.12	34.72	3	Vertical	52	1.01	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2442MHz	Pass	PK	2.4408G	101.60	Inf	-Inf	35.16	3	Vertical	52	1.01	-
2442MHz	Pass	PK	2.483502G	62.42	74.00	-11.58	35.36	3	Vertical	52	1.01	-
2447MHz	Pass	AV	2.4476G	102.76	Inf	-Inf	35.19	3	Horizontal	243	1.00	-
2447MHz	Pass	AV	2.4844G	53.66	54.00	-0.34	35.37	3	Horizontal	243	1.00	-
2447MHz	Pass	PK	2.4478G	109.86	Inf	-Inf	35.19	3	Horizontal	243	1.00	-
2447MHz	Pass	PK	2.4844G	66.21	74.00	-7.79	35.37	3	Horizontal	243	1.00	-
2447MHz	Pass	AV	2.4462G	94.09	Inf	-Inf	35.19	3	Vertical	328	1.02	-
2447MHz	Pass	AV	2.483502G	51.33	54.00	-2.67	35.36	3	Vertical	328	1.02	-
2447MHz	Pass	PK	2.4464G	101.50	Inf	-Inf	35.19	3	Vertical	328	1.02	-
2447MHz	Pass	PK	2.484G	62.07	74.00	-11.93	35.37	3	Vertical	328	1.02	-
2452MHz	Pass	AV	2.4526G	100.92	Inf	-Inf	35.22	3	Horizontal	244	1.00	-
2452MHz	Pass	AV	2.4846G	53.63	54.00	-0.37	35.37	3	Horizontal	244	1.00	-
2452MHz	Pass	PK	2.4526G	109.01	Inf	-Inf	35.22	3	Horizontal	244	1.00	-
2452MHz	Pass	PK	2.4868G	65.45	74.00	-8.55	35.37	3	Horizontal	244	1.00	-
2452MHz	Pass	AV	2.4512G	92.94	Inf	-Inf	35.21	3	Vertical	327	1.07	-
2452MHz	Pass	AV	2.483502G	51.23	54.00	-2.77	35.36	3	Vertical	327	1.07	-
2452MHz	Pass	PK	2.451G	100.03	Inf	-Inf	35.21	3	Vertical	327	1.07	-
2452MHz	Pass	PK	2.4842G	62.02	74.00	-11.98	35.37	3	Vertical	327	1.07	-
2457MHz	Pass	AV	2.4576G	99.77	Inf	-Inf	35.24	3	Horizontal	247	1.00	-
2457MHz	Pass	AV	2.4842G	53.86	54.00	-0.14	35.37	3	Horizontal	247	1.00	-
2457MHz	Pass	PK	2.4624G	106.73	Inf	-Inf	35.26	3	Horizontal	247	1.00	-
2457MHz	Pass	PK	2.4852G	64.78	74.00	-9.22	35.37	3	Horizontal	247	1.00	-
2457MHz	Pass	AV	2.4562G	90.61	Inf	-Inf	35.23	3	Vertical	332	1.02	-
2457MHz	Pass	AV	2.483502G	51.25	54.00	-2.75	35.36	3	Vertical	332	1.02	-
2457MHz	Pass	PK	2.4562G	98.10	Inf	-Inf	35.23	3	Vertical	332	1.02	-
2457MHz	Pass	PK	2.4874G	61.76	74.00	-12.24	35.38	3	Vertical	332	1.02	-
2462MHz	Pass	AV	2.4626G	97.81	Inf	-Inf	30.82	3	Horizontal	242	1.22	-
2462MHz	Pass	AV	2.4842G	53.72	54.00	-0.28	30.89	3	Horizontal	242	1.22	-
2462MHz	Pass	PK	2.4626G	108.63	Inf	-Inf	30.82	3	Horizontal	242	1.22	-
2462MHz	Pass	PK	2.4846G	68.91	74.00	-5.09	30.89	3	Horizontal	242	1.22	-
2462MHz	Pass	AV	2.4626G	89.52	Inf	-Inf	30.82	3	Vertical	227	2.61	-
2462MHz	Pass	AV	2.485G	47.51	54.00	-6.49	30.89	3	Vertical	227	2.61	-
2462MHz	Pass	PK	2.4602G	99.37	Inf	-Inf	30.81	3	Vertical	227	2.61	-
2462MHz	Pass	PK	2.4842G	61.71	74.00	-12.29	30.89	3	Vertical	227	2.61	-
2462MHz	Pass	AV	4.920367G	33.60	54.00	-20.40	6.20	3	Horizontal	256	1.39	-
2462MHz	Pass	PK	4.920367G	47.01	74.00	-26.99	6.20	3	Horizontal	256	1.39	-
2462MHz	Pass	AV	4.92407G	32.21	54.00	-21.79	6.25	3	Vertical	31	2.11	-
2462MHz	Pass	PK	4.929G	43.57	74.00	-30.43	6.22	3	Vertical	31	2.11	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3872G	53.30	54.00	-0.70	34.91	3	Horizontal	251	1.00	-
2422MHz	Pass	AV	2.42G	92.46	Inf	-Inf	35.06	3	Horizontal	251	1.00	-
2422MHz	Pass	AV	2.4872G	52.96	54.00	-1.04	35.38	3	Horizontal	251	1.00	-
2422MHz	Pass	PK	2.3896G	63.26	74.00	-10.74	34.92	3	Horizontal	251	1.00	-
2422MHz	Pass	PK	2.42G	98.91	Inf	-Inf	35.06	3	Horizontal	251	1.00	-
2422MHz	Pass	PK	2.4876G	62.00	74.00	-12.00	35.39	3	Horizontal	251	1.00	-
2422MHz	Pass	AV	2.3872G	51.17	54.00	-2.83	34.91	3	Vertical	9	1.05	-
2422MHz	Pass	AV	2.4236G	81.10	Inf	-Inf	35.08	3	Vertical	9	1.05	-
2422MHz	Pass	AV	2.4848G	52.08	54.00	-1.92	35.37	3	Vertical	9	1.05	-
2422MHz	Pass	PK	2.3876G	61.14	74.00	-12.86	34.92	3	Vertical	9	1.05	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	PK	2.4232G	88.25	Inf	-Inf	35.08	3	Vertical	9	1.05	-
2422MHz	Pass	PK	2.4892G	61.82	74.00	-12.18	35.39	3	Vertical	9	1.05	-
2422MHz	Pass	AV	4.83416G	37.01	54.00	-16.99	6.34	3	Vertical	136	2.34	-
2422MHz	Pass	AV	4.8458G	38.28	54.00	-15.72	6.37	3	Vertical	211	1.50	-
2422MHz	Pass	PK	4.8366G	44.93	74.00	-29.07	6.35	3	Vertical	136	2.34	-
2422MHz	Pass	PK	4.8414G	47.47	74.00	-26.53	6.36	3	Vertical	211	1.50	-
2427MHz	Pass	AV	2.3898G	53.31	54.00	-0.69	34.92	3	Horizontal	251	1.00	-
2427MHz	Pass	AV	2.425G	92.61	Inf	-Inf	35.09	3	Horizontal	251	1.00	-
2427MHz	Pass	AV	2.4982G	51.94	54.00	-2.06	35.43	3	Horizontal	251	1.00	-
2427MHz	Pass	PK	2.3898G	62.70	74.00	-11.30	34.92	3	Horizontal	251	1.00	-
2427MHz	Pass	PK	2.425G	99.70	Inf	-Inf	35.09	3	Horizontal	251	1.00	-
2427MHz	Pass	PK	2.4882G	61.18	74.00	-12.82	35.39	3	Horizontal	251	1.00	-
2427MHz	Pass	AV	2.3778G	51.24	54.00	-2.76	34.87	3	Vertical	10	1.01	-
2427MHz	Pass	AV	2.4258G	82.07	Inf	-Inf	35.09	3	Vertical	10	1.01	-
2427MHz	Pass	AV	2.4982G	52.00	54.00	-2.00	35.43	3	Vertical	10	1.01	-
2427MHz	Pass	PK	2.3362G	61.06	74.00	-12.94	34.67	3	Vertical	10	1.01	-
2427MHz	Pass	PK	2.4282G	89.02	Inf	-Inf	35.10	3	Vertical	10	1.01	-
2427MHz	Pass	PK	2.4842G	61.96	74.00	-12.04	35.37	3	Vertical	10	1.01	-
2432MHz	Pass	AV	2.389998G	53.46	54.00	-0.54	34.92	3	Horizontal	247	1.01	-
2432MHz	Pass	AV	2.43G	93.11	Inf	-Inf	35.11	3	Horizontal	247	1.01	-
2432MHz	Pass	AV	2.4848G	52.07	54.00	-1.93	35.37	3	Horizontal	247	1.01	-
2432MHz	Pass	PK	2.389998G	64.87	74.00	-9.13	34.92	3	Horizontal	247	1.01	-
2432MHz	Pass	PK	2.43G	99.86	Inf	-Inf	35.11	3	Horizontal	247	1.01	-
2432MHz	Pass	PK	2.4908G	61.94	74.00	-12.06	35.39	3	Horizontal	247	1.01	-
2432MHz	Pass	AV	2.3876G	51.26	54.00	-2.74	34.92	3	Vertical	11	1.01	-
2432MHz	Pass	AV	2.4308G	84.16	Inf	-Inf	35.11	3	Vertical	11	1.01	-
2432MHz	Pass	AV	2.4848G	51.99	54.00	-2.01	35.37	3	Vertical	11	1.01	-
2432MHz	Pass	PK	2.3484G	61.39	74.00	-12.61	34.73	3	Vertical	11	1.01	-
2432MHz	Pass	PK	2.4332G	91.08	Inf	-Inf	35.13	3	Vertical	11	1.01	-
2432MHz	Pass	PK	2.4988G	61.97	74.00	-12.03	35.44	3	Vertical	11	1.01	-
2437MHz	Pass	AV	2.3898G	53.85	54.00	-0.15	34.92	3	Horizontal	250	1.02	-
2437MHz	Pass	AV	2.4346G	94.81	Inf	-Inf	35.13	3	Horizontal	250	1.02	-
2437MHz	Pass	AV	2.4846G	53.60	54.00	-0.40	35.37	3	Horizontal	250	1.02	-
2437MHz	Pass	PK	2.3878G	63.48	74.00	-10.52	34.92	3	Horizontal	250	1.02	-
2437MHz	Pass	PK	2.4346G	101.92	Inf	-Inf	35.13	3	Horizontal	250	1.02	-
2437MHz	Pass	PK	2.4842G	63.67	74.00	-10.33	35.37	3	Horizontal	250	1.02	-
2437MHz	Pass	AV	2.3862G	51.15	54.00	-2.85	34.90	3	Vertical	58	1.01	-
2437MHz	Pass	AV	2.4378G	81.99	Inf	-Inf	35.15	3	Vertical	58	1.01	-
2437MHz	Pass	AV	2.4886G	52.11	54.00	-1.89	35.39	3	Vertical	58	1.01	-
2437MHz	Pass	PK	2.3686G	61.20	74.00	-12.80	34.82	3	Vertical	58	1.01	-
2437MHz	Pass	PK	2.4386G	89.51	Inf	-Inf	35.15	3	Vertical	58	1.01	-
2437MHz	Pass	PK	2.4994G	61.78	74.00	-12.22	35.44	3	Vertical	58	1.01	-
2437MHz	Pass	AV	4.87984G	36.68	54.00	-17.32	6.44	3	Horizontal	19	2.19	-
2437MHz	Pass	PK	4.86612G	45.55	74.00	-28.45	6.41	3	Horizontal	19	2.19	-
2437MHz	Pass	AV	4.87312G	36.54	54.00	-17.46	6.42	3	Vertical	271	1.44	-
2437MHz	Pass	PK	4.8704G	44.58	74.00	-29.42	6.42	3	Vertical	271	1.44	-
2442MHz	Pass	AV	2.366G	51.22	54.00	-2.78	34.81	3	Horizontal	246	1.15	-
2442MHz	Pass	AV	2.4448G	92.79	Inf	-Inf	35.18	3	Horizontal	246	1.15	-
2442MHz	Pass	AV	2.4844G	53.77	54.00	-0.23	35.37	3	Horizontal	246	1.15	-



RSE TX above 1GHz Result

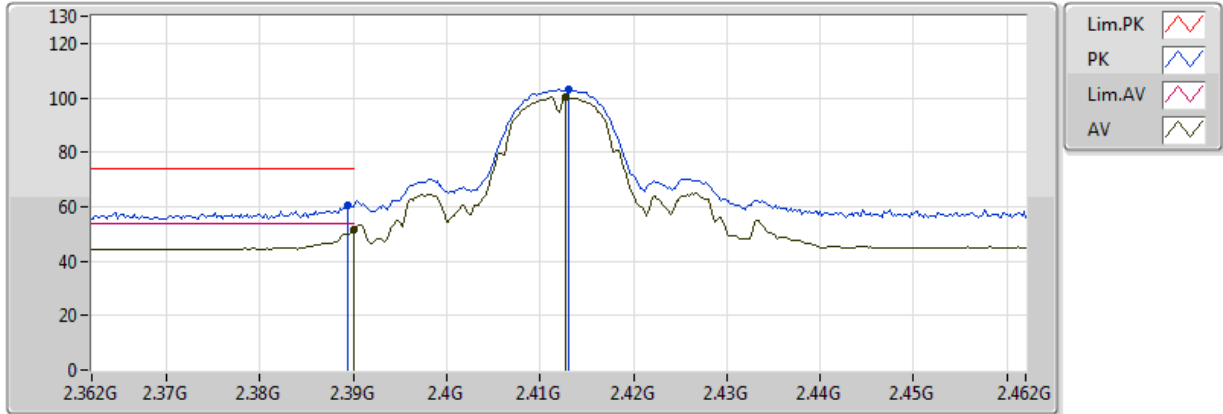
Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2442MHz	Pass	PK	2.3868G	62.41	74.00	-11.59	34.90	3	Horizontal	246	1.15	-
2442MHz	Pass	PK	2.44G	100.61	Inf	-Inf	35.16	3	Horizontal	246	1.15	-
2442MHz	Pass	PK	2.4844G	63.41	74.00	-10.59	35.37	3	Horizontal	246	1.15	-
2442MHz	Pass	AV	2.3664G	51.10	54.00	-2.90	34.82	3	Vertical	57	1.00	-
2442MHz	Pass	AV	2.4432G	83.98	Inf	-Inf	35.17	3	Vertical	57	1.00	-
2442MHz	Pass	AV	2.4944G	52.05	54.00	-1.95	35.41	3	Vertical	57	1.00	-
2442MHz	Pass	PK	2.3688G	61.08	74.00	-12.92	34.82	3	Vertical	57	1.00	-
2442MHz	Pass	PK	2.4408G	91.52	Inf	-Inf	35.16	3	Vertical	57	1.00	-
2442MHz	Pass	PK	2.4988G	61.44	74.00	-12.56	35.44	3	Vertical	57	1.00	-
2447MHz	Pass	AV	2.3498G	51.06	54.00	-2.94	34.73	3	Horizontal	248	1.09	-
2447MHz	Pass	AV	2.445G	92.24	Inf	-Inf	35.18	3	Horizontal	248	1.09	-
2447MHz	Pass	AV	2.4842G	53.84	54.00	-0.16	35.37	3	Horizontal	248	1.09	-
2447MHz	Pass	PK	2.3646G	60.96	74.00	-13.04	34.80	3	Horizontal	248	1.09	-
2447MHz	Pass	PK	2.445G	99.86	Inf	-Inf	35.18	3	Horizontal	248	1.09	-
2447MHz	Pass	PK	2.4842G	63.85	74.00	-10.15	35.37	3	Horizontal	248	1.09	-
2447MHz	Pass	AV	2.3722G	51.03	54.00	-2.97	34.84	3	Vertical	224	2.99	-
2447MHz	Pass	AV	2.4454G	84.63	Inf	-Inf	35.18	3	Vertical	224	2.99	-
2447MHz	Pass	AV	2.485G	51.97	54.00	-2.03	35.37	3	Vertical	224	2.99	-
2447MHz	Pass	PK	2.3674G	61.44	74.00	-12.56	34.82	3	Vertical	224	2.99	-
2447MHz	Pass	PK	2.4454G	91.82	Inf	-Inf	35.18	3	Vertical	224	2.99	-
2447MHz	Pass	PK	2.483502G	62.58	74.00	-11.42	35.36	3	Vertical	224	2.99	-
2452MHz	Pass	AV	2.3876G	51.14	54.00	-2.86	34.92	3	Horizontal	246	1.00	-
2452MHz	Pass	AV	2.45G	91.66	Inf	-Inf	35.20	3	Horizontal	246	1.00	-
2452MHz	Pass	AV	2.4844G	53.58	54.00	-0.42	35.37	3	Horizontal	246	1.00	-
2452MHz	Pass	PK	2.378G	61.39	74.00	-12.61	34.87	3	Horizontal	246	1.00	-
2452MHz	Pass	PK	2.45G	99.16	Inf	-Inf	35.20	3	Horizontal	246	1.00	-
2452MHz	Pass	PK	2.4872G	63.85	74.00	-10.15	35.38	3	Horizontal	246	1.00	-
2452MHz	Pass	AV	2.3604G	51.05	54.00	-2.95	34.78	3	Vertical	223	2.94	-
2452MHz	Pass	AV	2.4504G	80.84	Inf	-Inf	35.21	3	Vertical	223	2.94	-
2452MHz	Pass	AV	2.4848G	52.05	54.00	-1.95	35.37	3	Vertical	223	2.94	-
2452MHz	Pass	PK	2.354G	60.89	74.00	-13.11	34.75	3	Vertical	223	2.94	-
2452MHz	Pass	PK	2.4504G	87.65	Inf	-Inf	35.21	3	Vertical	223	2.94	-
2452MHz	Pass	PK	2.4892G	61.72	74.00	-12.28	35.39	3	Vertical	223	2.94	-
2452MHz	Pass	AV	4.89816G	38.38	54.00	-15.62	6.48	3	Horizontal	136	1.50	-
2452MHz	Pass	PK	4.89608G	47.69	74.00	-26.31	6.47	3	Horizontal	136	1.50	-
2452MHz	Pass	AV	4.90398G	36.63	54.00	-17.37	6.47	3	Vertical	237	2.50	-
2452MHz	Pass	PK	4.90396G	46.60	74.00	-27.40	6.49	3	Vertical	237	2.50	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2412MHz_TX

11/03/2018

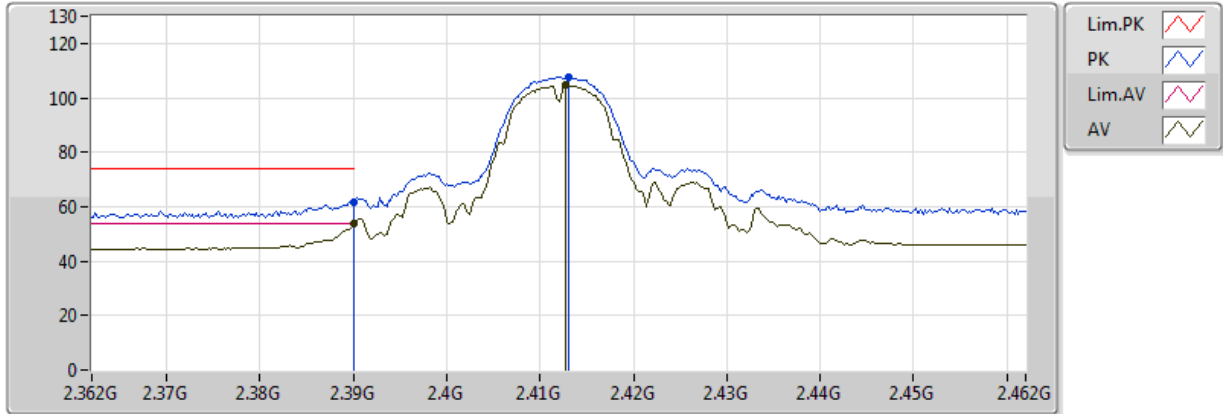


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	51.48	54.00	-2.52	30.55	3	Vertical	227	2.51	-	20.93	27.31	3.24	-
AV	2.4128G	100.29	Inf	-Inf	30.64	3	Vertical	227	2.51	-	69.65	27.37	3.26	-
PK	2.3894G	60.58	74.00	-13.42	30.55	3	Vertical	227	2.51	-	30.03	27.31	3.24	-
PK	2.413G	102.93	Inf	-Inf	30.64	3	Vertical	227	2.51	-	72.29	27.37	3.26	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2412MHz_TX

11/03/2018

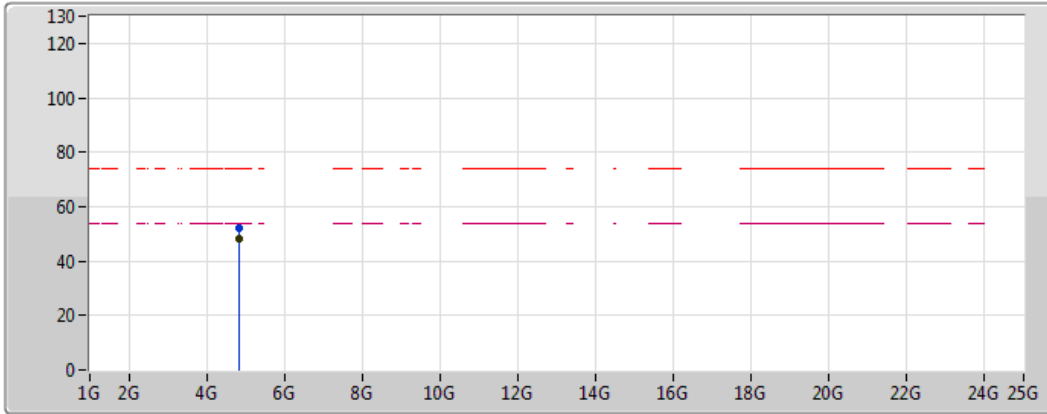


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	53.57	54.00	-0.43	30.55	3	Horizontal	23	1.53	-	23.02	27.31	3.24	-
AV	2.4128G	104.61	Inf	-Inf	30.64	3	Horizontal	23	1.53	-	73.97	27.37	3.26	-
PK	2.389998G	61.81	74.00	-12.19	30.55	3	Horizontal	23	1.53	-	31.26	27.31	3.24	-
PK	2.413G	107.38	Inf	-Inf	30.64	3	Horizontal	23	1.53	-	76.74	27.37	3.26	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2412MHz_TX

11/03/2018

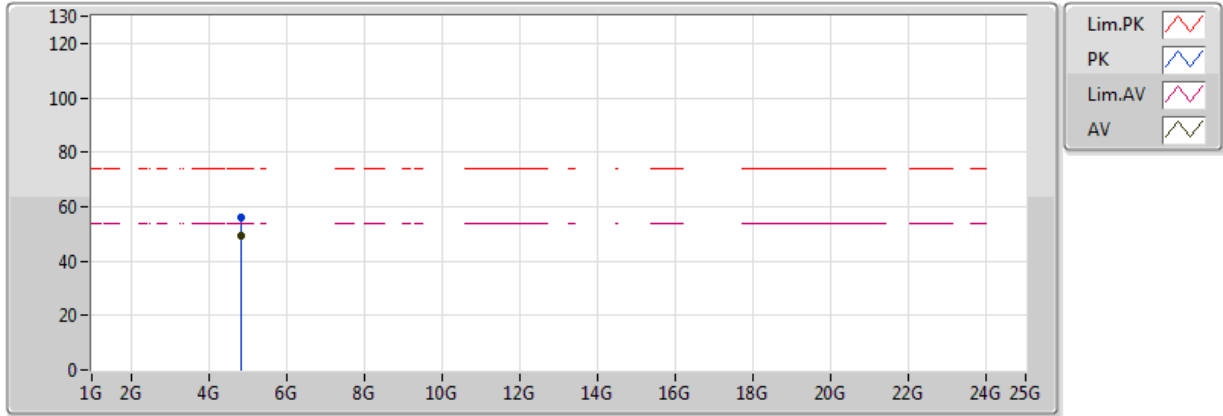


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82391G	48.03	54.00	-5.97	5.96	3	Vertical	273	2.51	-	42.07	31.28	4.52	29.85
PK	4.82399G	52.27	74.00	-21.73	5.96	3	Vertical	273	2.51	-	46.31	31.28	4.52	29.85

802.11b_Nss1,(1Mbps)_1TX(Port1)

2412MHz_TX

11/03/2018

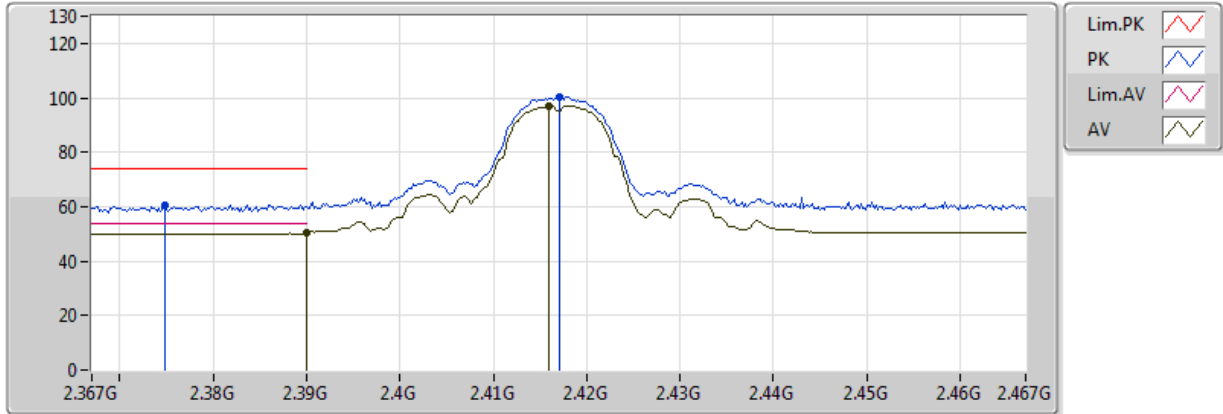


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82394G	49.45	54.00	-4.55	5.96	3	Horizontal	287	1.02	-	43.49	31.28	4.52	29.85
PK	4.824G	56.20	74.00	-17.80	5.96	3	Horizontal	287	1.02	-	50.24	31.28	4.52	29.85

802.11b_Nss1,(1Mbps)_1TX(Port1)

2417MHz_TX

12/03/2018

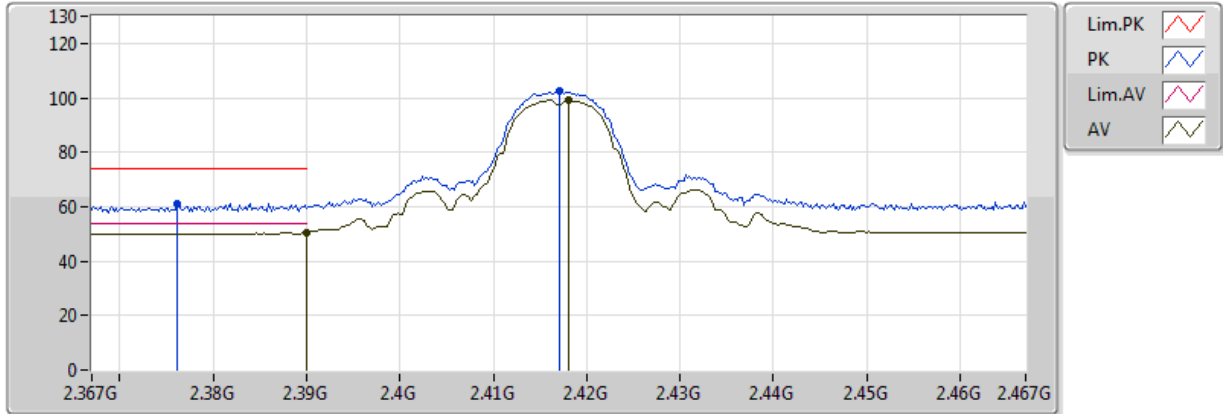


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.46	54.00	-3.54	34.92	3	Vertical	218	3.17	-	15.54	26.99	7.93	-
AV	2.416G	97.03	Inf	-Inf	35.05	3	Vertical	218	3.17	-	61.98	27.06	7.98	-
PK	2.3748G	60.70	74.00	-13.30	34.85	3	Vertical	218	3.17	-	25.85	26.95	7.90	-
PK	2.417G	100.41	Inf	-Inf	35.05	3	Vertical	218	3.17	-	65.36	27.07	7.98	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2417MHz_TX

12/03/2018

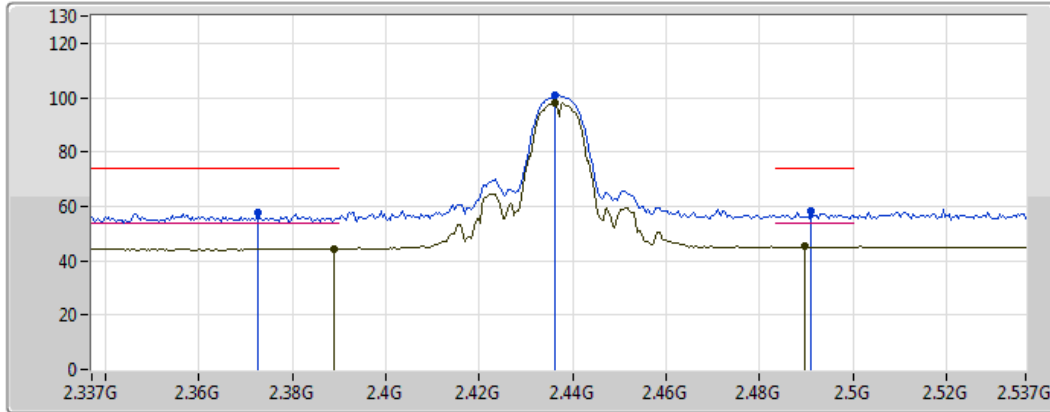


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.62	54.00	-3.38	34.92	3	Horizontal	347	3.12	-	15.70	26.99	7.93	-
AV	2.418G	99.09	Inf	-Inf	35.05	3	Horizontal	347	3.12	-	64.04	27.07	7.98	-
PK	2.3762G	61.22	74.00	-12.78	34.85	3	Horizontal	347	3.12	-	26.37	26.95	7.90	-
PK	2.417G	102.49	Inf	-Inf	35.05	3	Horizontal	347	3.12	-	67.44	27.07	7.98	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2437MHz_TX

11/03/2018

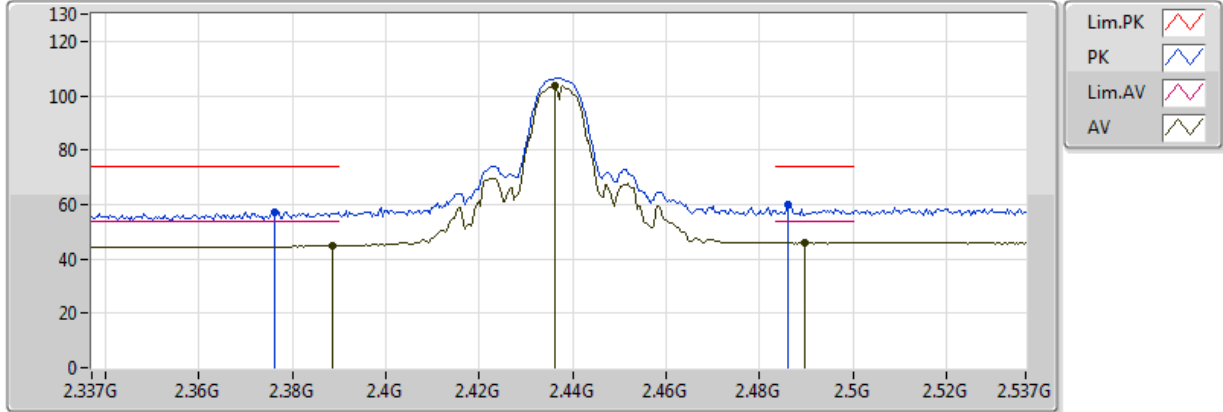


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	44.36	54.00	-9.64	30.55	3	Vertical	230	2.45	-	13.81	27.31	3.24	-
AV	2.4362G	97.96	Inf	-Inf	30.72	3	Vertical	230	2.45	-	67.24	27.43	3.29	-
AV	2.4898G	45.11	54.00	-8.89	30.91	3	Vertical	230	2.45	-	14.20	27.57	3.34	-
PK	2.3726G	57.69	74.00	-16.31	30.50	3	Vertical	230	2.45	-	27.19	27.27	3.23	-
PK	2.4362G	100.70	Inf	-Inf	30.72	3	Vertical	230	2.45	-	69.98	27.43	3.29	-
PK	2.491G	58.09	74.00	-15.91	30.92	3	Vertical	230	2.45	-	27.17	27.58	3.34	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2437MHz_TX

11/03/2018



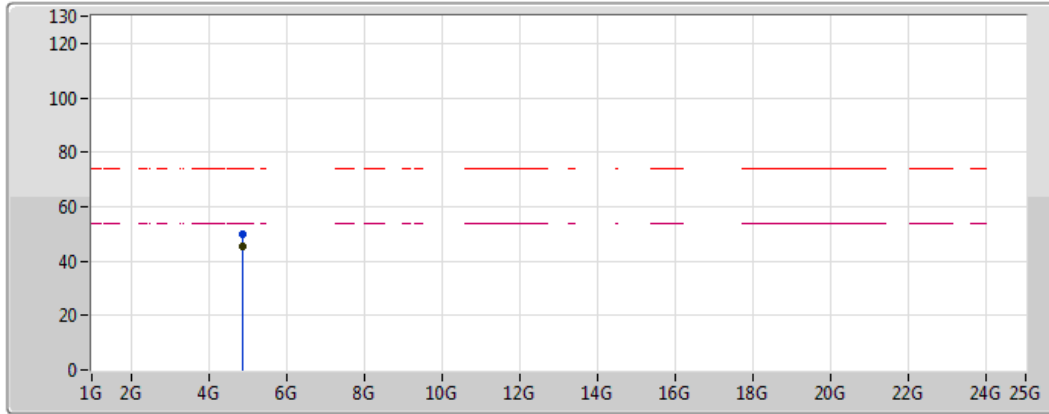
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AV	2.3886G	44.85	54.00	-9.15	30.55	3	Horizontal	28	1.01	-	14.30	27.31	3.24	-
AV	2.4362G	103.82	Inf	-Inf	30.72	3	Horizontal	28	1.01	-	73.10	27.43	3.29	-
AV	2.4898G	45.97	54.00	-8.03	30.91	3	Horizontal	28	1.01	-	15.06	27.57	3.34	-
PK	2.3762G	57.42	74.00	-16.58	30.51	3	Horizontal	28	1.01	-	26.91	27.28	3.23	-
PK	2.4862G	60.07	74.00	-13.93	30.90	3	Horizontal	28	1.01	-	29.17	27.56	3.34	-



802.11b_Nss1,(1Mbps)_1TX(Port1)

2437MHz_TX

11/03/2018

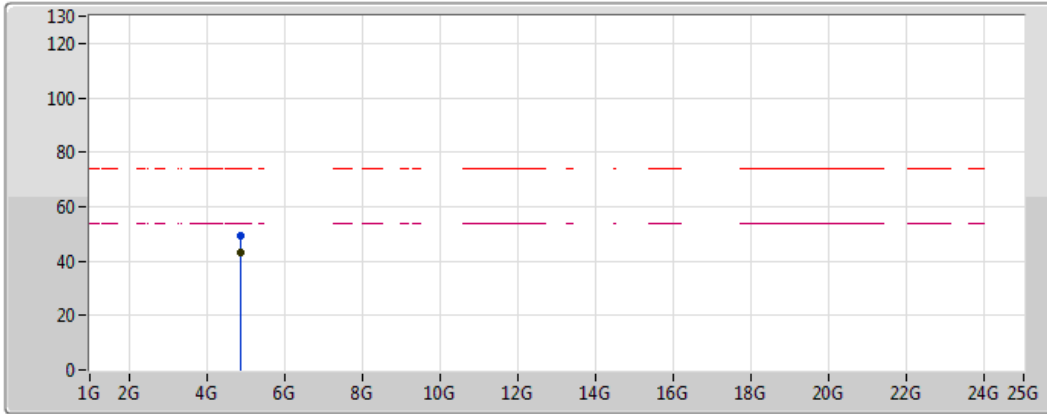






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87396G	45.20	54.00	-8.80	6.08	3	Vertical	267	2.17	-	39.12	31.37	4.55	29.84
PK	4.87396G	49.83	74.00	-24.17	6.08	3	Vertical	267	2.17	-	43.75	31.37	4.55	29.84

802.11b_Nss1,(1Mbps)_1TX(Port1)

2437MHz_TX

11/03/2018



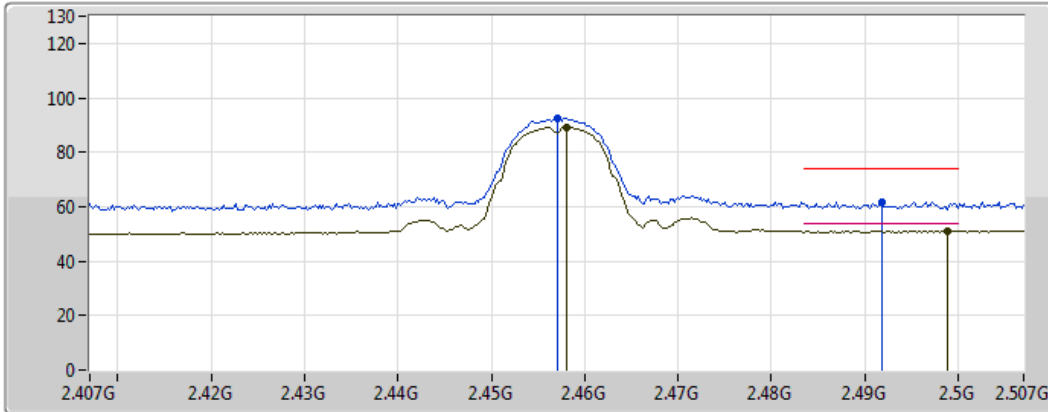
Lim.PK	
PK	
Lim.AV	
AV	





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	4.87398G	43.34	54.00	-10.66	6.08	3	Horizontal	285	1.09	-	37.26	31.37	4.55	29.84
PK	4.87375G	49.20	74.00	-24.80	6.08	3	Horizontal	285	1.09	-	43.12	31.37	4.55	29.84

802.11b_Nss1,(1Mbps)_1TX(Port1)

2457MHz_TX

12/03/2018



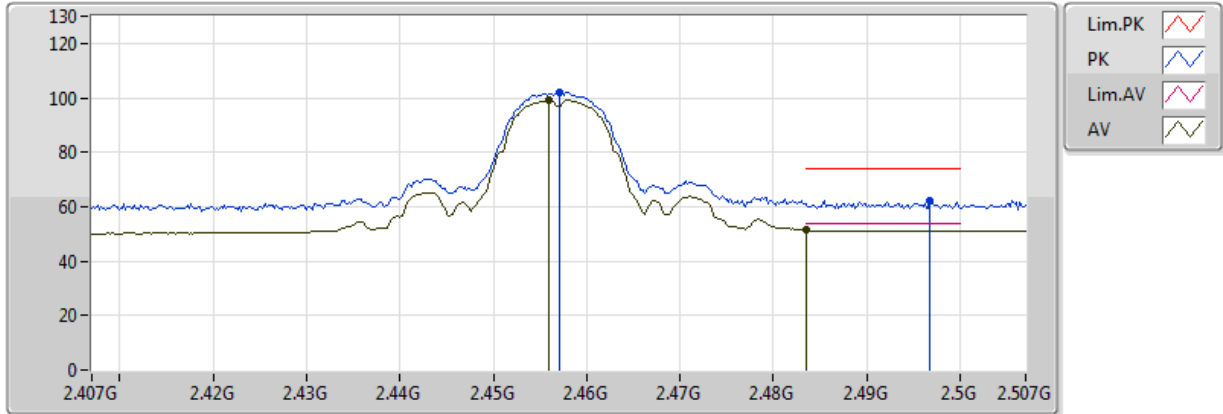
Lim.PK	
PK	
Lim.AV	
AV	

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	2.458G	89.22	Inf	-Inf	35.24	3	Vertical	213	1.00	-	53.98	27.18	8.06	-
AV	2.4988G	50.97	54.00	-3.03	35.44	3	Vertical	213	1.00	-	15.53	27.30	8.14	-
PK	2.457G	92.52	Inf	-Inf	35.24	3	Vertical	213	1.00	-	57.28	27.18	8.06	-
PK	2.4918G	61.81	74.00	-12.19	35.40	3	Vertical	213	1.00	-	26.41	27.28	8.12	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2457MHz_TX

12/03/2018

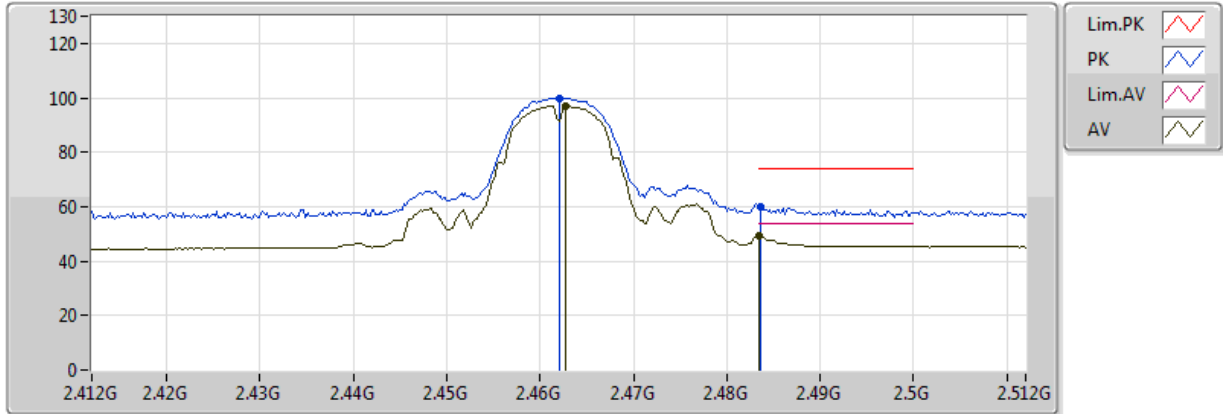


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.456G	99.06	Inf	-Inf	35.23	3	Horizontal	14	1.00	-	63.83	27.18	8.06	-
AV	2.483502G	51.38	54.00	-2.62	35.36	3	Horizontal	14	1.00	-	16.02	27.25	8.11	-
PK	2.457G	102.04	Inf	-Inf	35.24	3	Horizontal	14	1.00	-	66.80	27.18	8.06	-
PK	2.4968G	62.06	74.00	-11.94	35.42	3	Horizontal	14	1.00	-	26.64	27.29	8.13	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2462MHz_TX

12/03/2018



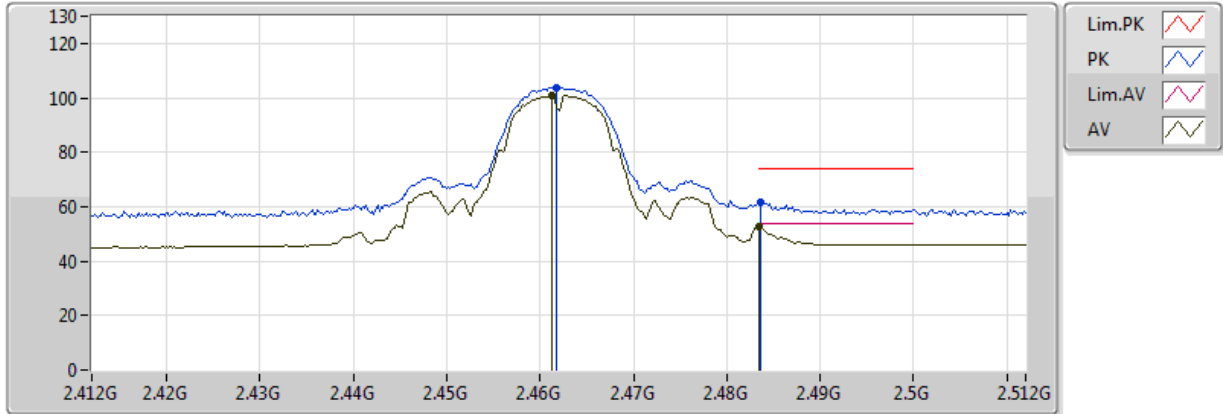
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	97.16	Inf	-Inf	30.82	3	Vertical	62	2.71	-	66.34	27.50	3.31	-
AV	2.483502G	49.58	54.00	-4.42	30.89	3	Vertical	62	2.71	-	18.69	27.56	3.33	-
PK	2.462G	99.89	Inf	-Inf	30.81	3	Vertical	62	2.71	-	69.08	27.50	3.31	-
PK	2.4836G	60.11	74.00	-13.89	30.89	3	Vertical	62	2.71	-	29.22	27.56	3.33	-



802.11b_Nss1,(1Mbps)_1TX(Port1)

2462MHz_TX

12/03/2018

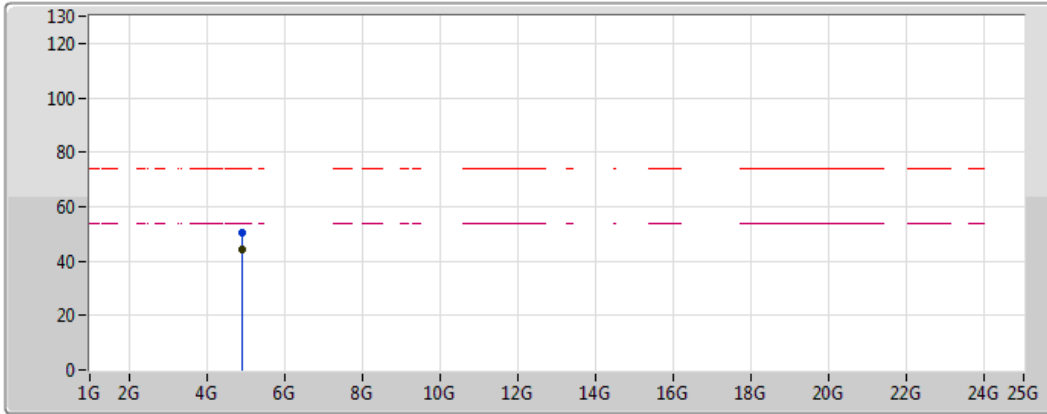






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	100.86	Inf	-Inf	30.81	3	Horizontal	23	1.31	-	70.05	27.50	3.31	-
AV	2.483502G	52.87	54.00	-1.13	30.89	3	Horizontal	23	1.31	-	21.98	27.56	3.33	-
PK	2.4618G	103.55	Inf	-Inf	30.81	3	Horizontal	23	1.31	-	72.74	27.50	3.31	-
PK	2.4836G	61.69	74.00	-12.31	30.89	3	Horizontal	23	1.31	-	30.80	27.56	3.33	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

2462MHz_TX

12/03/2018



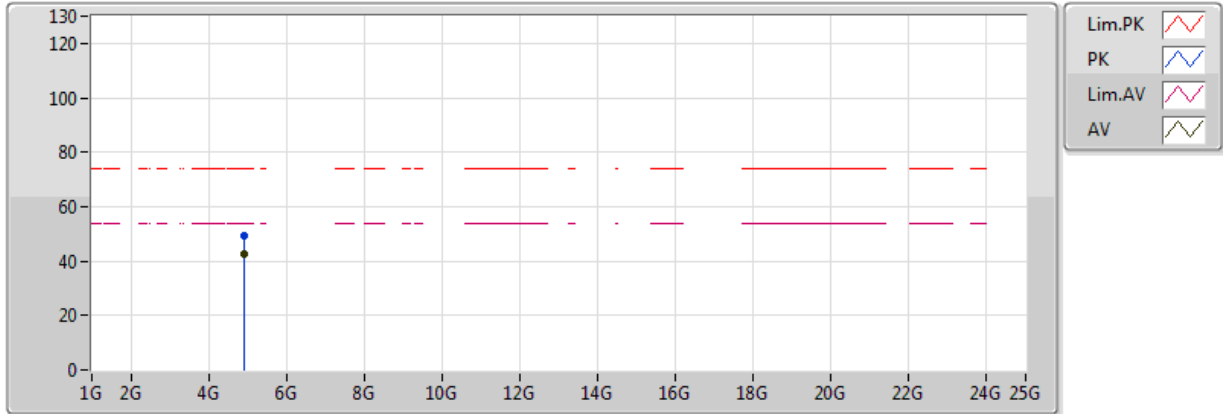
Lim.PK	
PK	
Lim.AV	
AV	

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	4.92402G	44.52	54.00	-9.48	6.21	3	Vertical	281	2.14	-	38.31	31.46	4.57	29.83
PK	4.92403G	50.68	74.00	-23.32	6.21	3	Vertical	281	2.14	-	44.47	31.46	4.57	29.83

802.11b_Nss1,(1Mbps)_1TX(Port1)

2462MHz_TX

12/03/2018

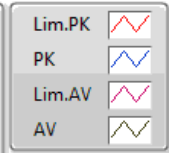
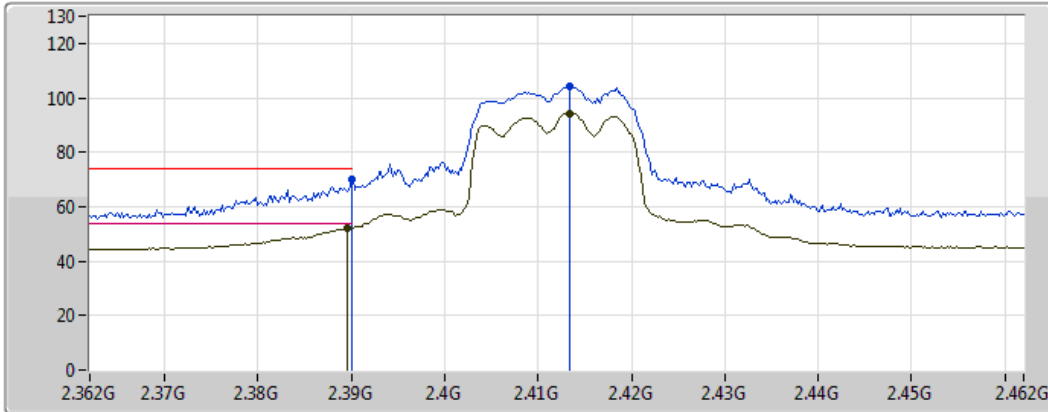


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.923976G	42.49	54.00	-11.51	6.21	3	Horizontal	287	1.06	-	36.28	31.46	4.57	29.83
PK	4.92408G	49.12	74.00	-24.88	6.21	3	Horizontal	287	1.06	-	42.91	31.46	4.57	29.83

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/03/2018



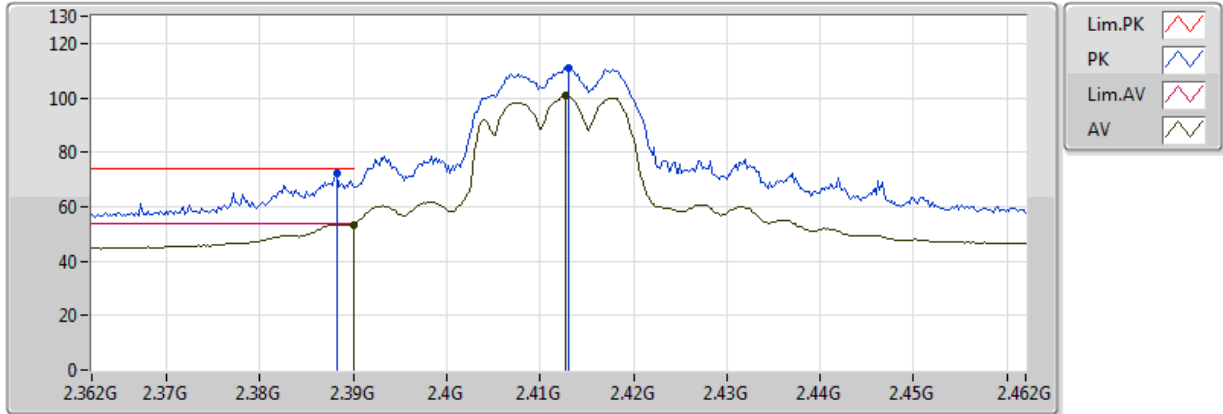
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	52.21	54.00	-1.79	30.55	3	Vertical	228	2.85	-	21.66	27.31	3.24	-
AV	2.4134G	94.35	Inf	-Inf	30.64	3	Vertical	228	2.85	-	63.71	27.37	3.26	-
PK	2.389998G	70.20	74.00	-3.80	30.55	3	Vertical	228	2.85	-	39.65	27.31	3.24	-
PK	2.4134G	104.14	Inf	-Inf	30.64	3	Vertical	228	2.85	-	73.50	27.37	3.26	-



802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/03/2018



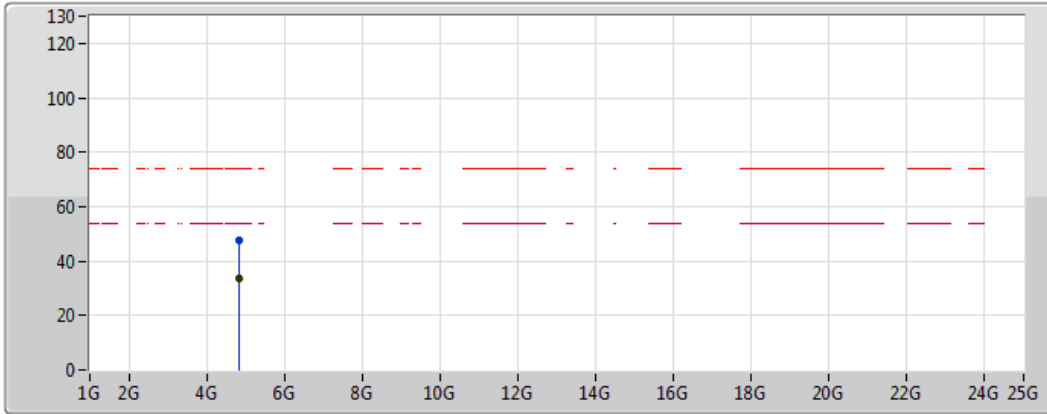
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	53.42	54.00	-0.58	30.55	3	Horizontal	246	1.18	-	22.87	27.31	3.24	-
AV	2.4128G	101.08	Inf	-Inf	30.64	3	Horizontal	246	1.18	-	70.44	27.37	3.26	-
PK	2.3882G	72.20	74.00	-1.80	30.55	3	Horizontal	246	1.18	-	41.65	27.31	3.24	-
PK	2.413G	111.05	Inf	-Inf	30.64	3	Horizontal	246	1.18	-	80.41	27.37	3.26	-



802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/03/2018



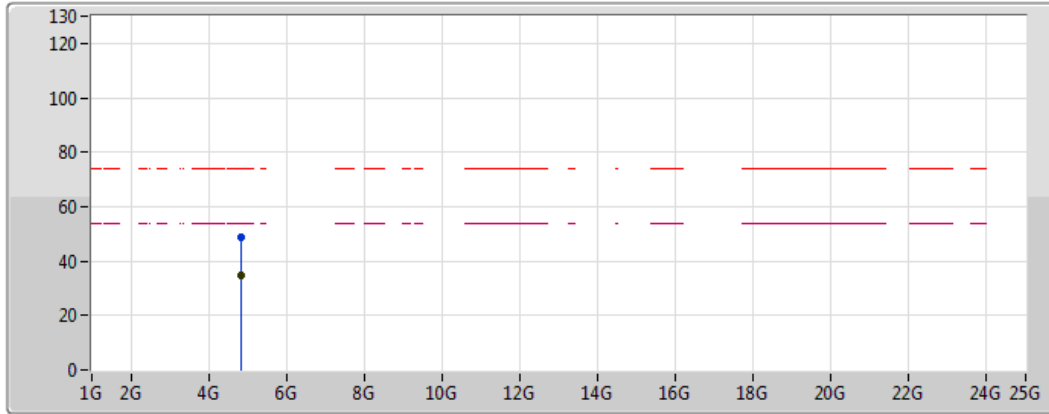
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.825158G	33.81	54.00	-20.19	5.96	3	Vertical	210	1.14	-	27.85	31.29	4.52	29.84
PK	4.826116G	47.61	74.00	-26.39	5.97	3	Vertical	210	1.14	-	41.64	31.29	4.52	29.84



802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/03/2018



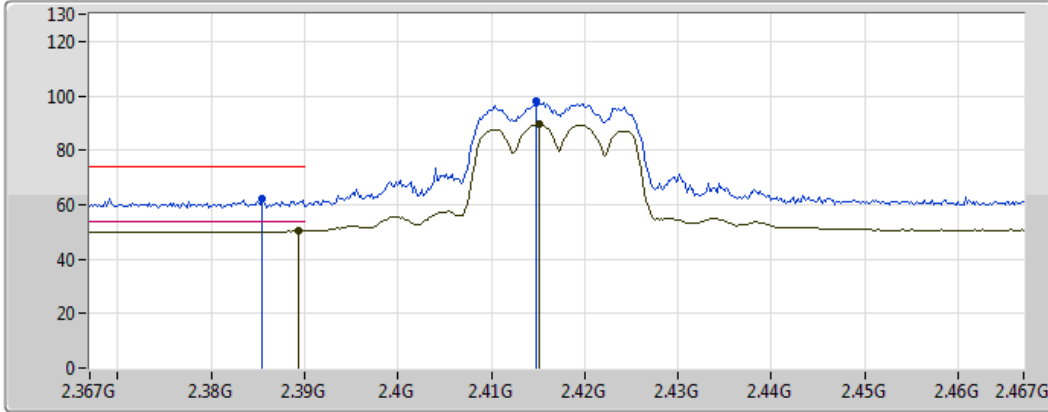
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824679G	34.62	54.00	-19.38	5.96	3	Horizontal	296	1.00	-	28.66	31.28	4.52	29.85
PK	4.824878G	48.54	74.00	-25.46	5.96	3	Horizontal	296	1.00	-	42.58	31.28	4.52	29.85



802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

12/03/2018



Legend for the spectrum plot:

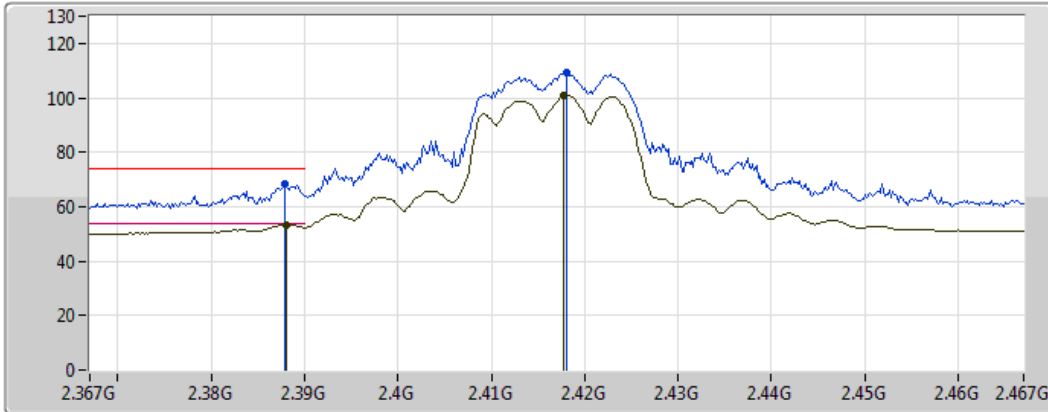
- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Green line with a peak icon





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	2.3894G	50.38	54.00	-3.62	34.92	3	Vertical	1	1.01	-	15.46	26.99	7.93	-
AV	2.4152G	89.45	Inf	-Inf	35.04	3	Vertical	1	1.01	-	54.41	27.06	7.98	-
PK	2.3854G	62.17	74.00	-11.83	34.90	3	Vertical	1	1.01	-	27.27	26.98	7.92	-
PK	2.4148G	97.82	Inf	-Inf	35.04	3	Vertical	1	1.01	-	62.78	27.06	7.98	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

12/03/2018



Lim.PK	
PK	
Lim.AV	
AV	

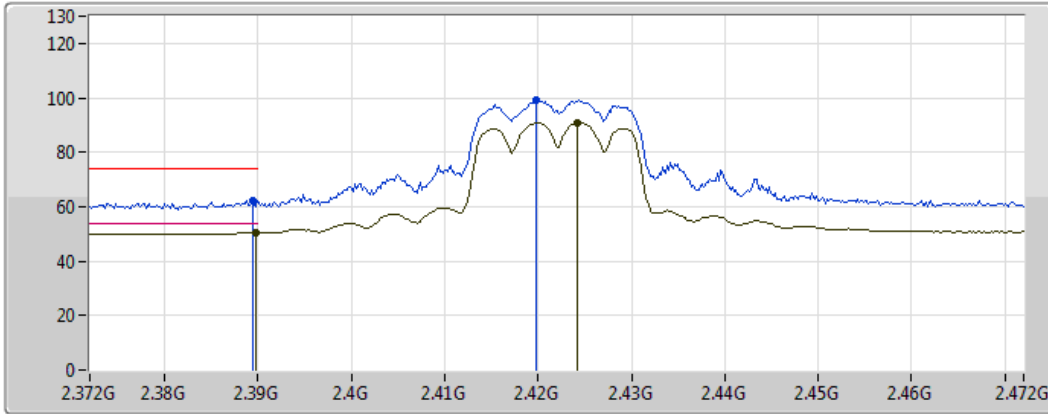
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	53.49	54.00	-0.51	34.92	3	Horizontal	243	1.02	-	18.57	26.99	7.93	-
AV	2.4178G	101.03	Inf	-Inf	35.05	3	Horizontal	243	1.02	-	65.98	27.07	7.98	-
PK	2.3878G	68.41	74.00	-5.59	34.92	3	Horizontal	243	1.02	-	33.49	26.99	7.93	-
PK	2.418G	109.30	Inf	-Inf	35.05	3	Horizontal	243	1.02	-	74.25	27.07	7.98	-



802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

12/03/2018



Lim.PK	
PK	
Lim.AV	
AV	

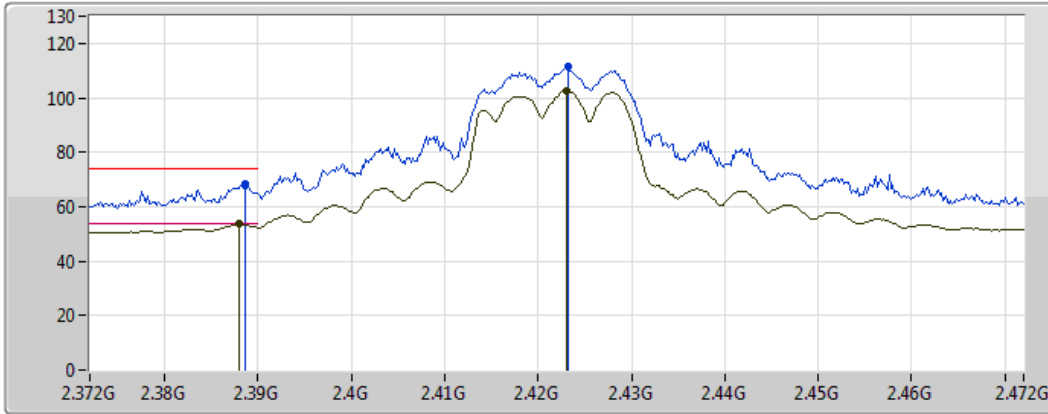
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.49	54.00	-3.51	34.92	3	Vertical	357	1.04	-	15.57	26.99	7.93	-
AV	2.4242G	90.83	Inf	-Inf	35.08	3	Vertical	357	1.04	-	55.75	27.09	8.00	-
PK	2.3894G	62.16	74.00	-11.84	34.92	3	Vertical	357	1.04	-	27.24	26.99	7.93	-
PK	2.4198G	99.29	Inf	-Inf	35.06	3	Vertical	357	1.04	-	64.23	27.08	7.99	-



802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

12/03/2018



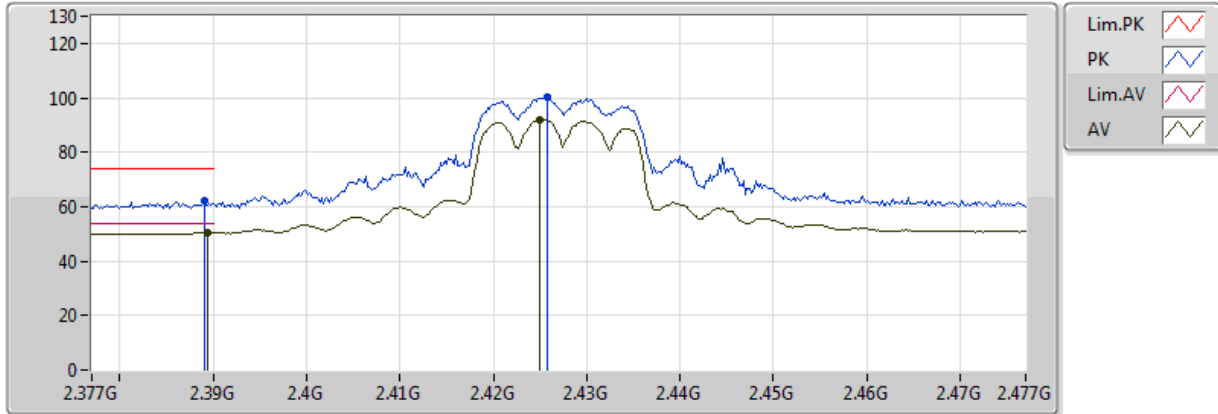
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PK	
Lim.AV	
AV	

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	2.388G	53.61	54.00	-0.39	34.92	3	Horizontal	241	1.01	-	18.69	26.99	7.93	-
AV	2.423G	102.81	Inf	-Inf	35.08	3	Horizontal	241	1.01	-	67.73	27.08	7.99	-
PK	2.3886G	68.40	74.00	-5.60	34.92	3	Horizontal	241	1.01	-	33.48	26.99	7.93	-
PK	2.4232G	111.24	Inf	-Inf	35.08	3	Horizontal	241	1.01	-	76.16	27.08	7.99	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

12/03/2018

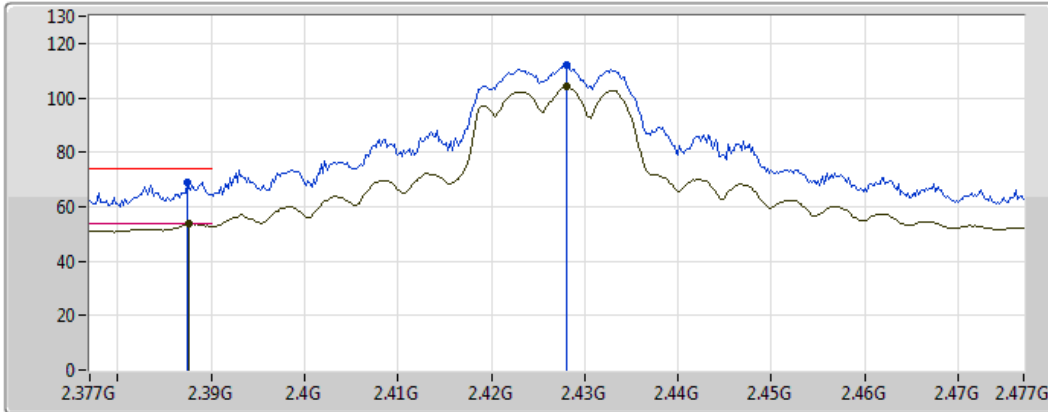






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	50.56	54.00	-3.44	34.92	3	Vertical	2	1.02	-	15.64	26.99	7.93	-
AV	2.425G	92.03	Inf	-Inf	35.09	3	Vertical	2	1.02	-	56.94	27.09	8.00	-
PK	2.389G	62.05	74.00	-11.95	34.92	3	Vertical	2	1.02	-	27.13	26.99	7.93	-
PK	2.4258G	100.12	Inf	-Inf	35.09	3	Vertical	2	1.02	-	65.03	27.09	8.00	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

12/03/2018



Lim.PK	
PK	
Lim.AV	
AV	

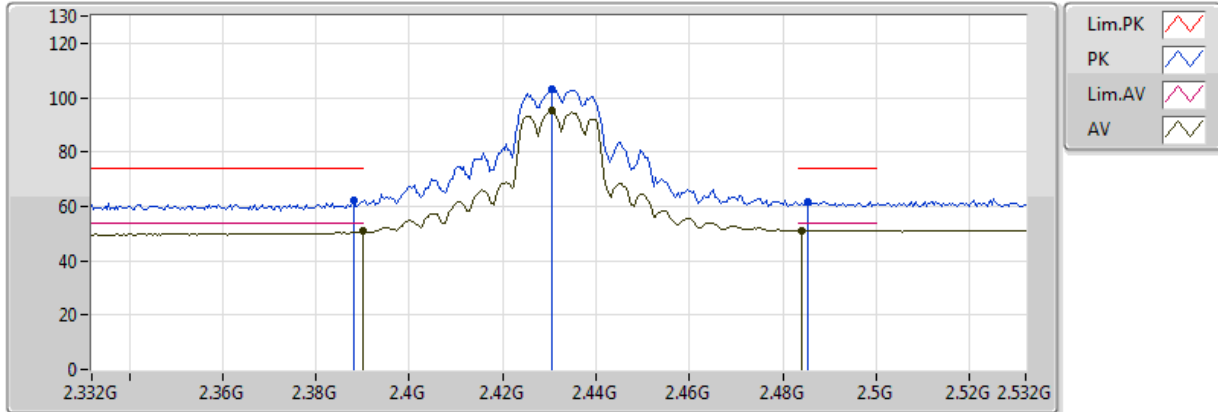
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AV	2.3876G	53.83	54.00	-0.17	34.92	3	Horizontal	241	1.01	-	18.91	26.99	7.93	-
AV	2.428G	104.07	Inf	-Inf	35.10	3	Horizontal	241	1.01	-	68.97	27.10	8.00	-
PK	2.3874G	68.79	74.00	-5.21	34.91	3	Horizontal	241	1.01	-	33.88	26.98	7.93	-
PK	2.428G	112.16	Inf	-Inf	35.10	3	Horizontal	241	1.01	-	77.06	27.10	8.00	-



802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

12/03/2018



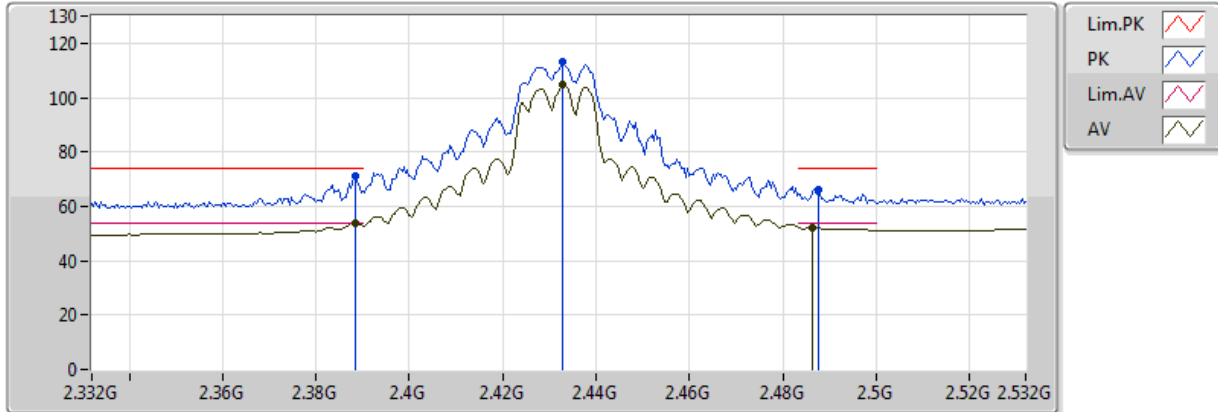
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.84	54.00	-3.16	34.92	3	Vertical	321	1.04	-	15.92	26.99	7.93	-
AV	2.4304G	95.00	Inf	-Inf	35.11	3	Vertical	321	1.04	-	59.89	27.11	8.01	-
AV	2.484G	51.11	54.00	-2.89	35.37	3	Vertical	321	1.04	-	15.74	27.26	8.11	-
PK	2.388G	61.93	74.00	-12.07	34.92	3	Vertical	321	1.04	-	27.01	26.99	7.93	-
PK	2.4304G	103.11	Inf	-Inf	35.11	3	Vertical	321	1.04	-	68.00	27.11	8.01	-
PK	2.4852G	61.53	74.00	-12.47	35.37	3	Vertical	321	1.04	-	26.16	27.26	8.11	-



802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

12/03/2018

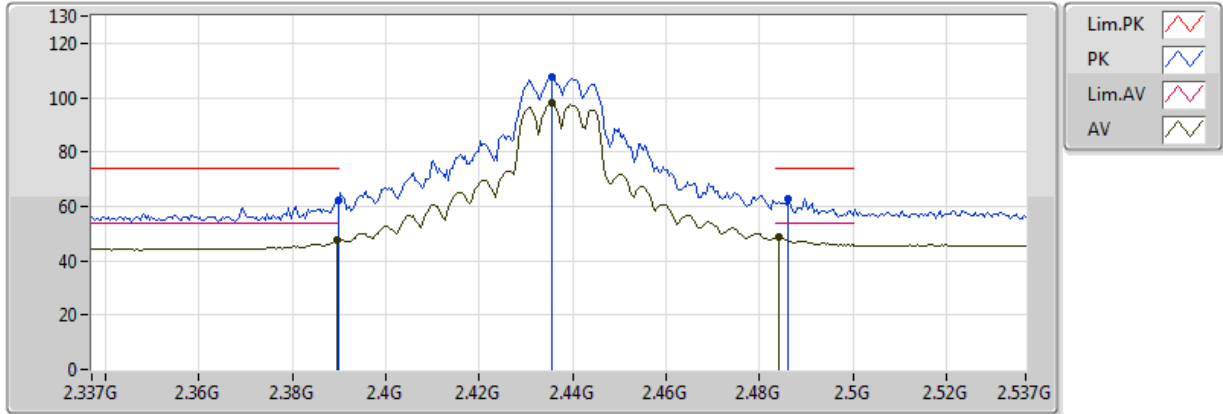


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3884G	53.76	54.00	-0.24	34.92	3	Horizontal	241	1.01	-	18.84	26.99	7.93	-
AV	2.4328G	104.69	Inf	-Inf	35.12	3	Horizontal	241	1.01	-	69.57	27.11	8.01	-
AV	2.4864G	52.27	54.00	-1.73	35.37	3	Horizontal	241	1.01	-	16.90	27.26	8.11	-
PK	2.3884G	71.16	74.00	-2.84	34.92	3	Horizontal	241	1.01	-	36.24	26.99	7.93	-
PK	2.4328G	113.30	Inf	-Inf	35.12	3	Horizontal	241	1.01	-	78.18	27.11	8.01	-
PK	2.4876G	65.98	74.00	-8.02	35.39	3	Horizontal	241	1.01	-	30.59	27.27	8.12	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/03/2018



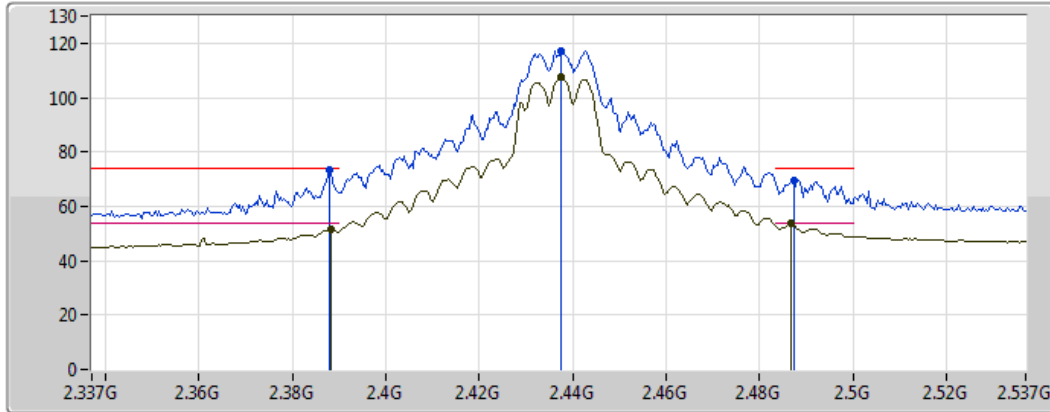
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AV	2.3894G	47.48	54.00	-6.52	30.55	3	Vertical	334	1.10	-	16.93	27.31	3.24	-
AV	2.4354G	98.00	Inf	-Inf	30.72	3	Vertical	334	1.10	-	67.28	27.43	3.29	-
AV	2.4842G	48.47	54.00	-5.53	30.89	3	Vertical	334	1.10	-	17.58	27.56	3.33	-
PK	2.3898G	61.98	74.00	-12.02	30.55	3	Vertical	334	1.10	-	31.43	27.31	3.24	-
PK	2.4354G	107.44	Inf	-Inf	30.72	3	Vertical	334	1.10	-	76.72	27.43	3.29	-
PK	2.4862G	62.87	74.00	-11.13	30.90	3	Vertical	334	1.10	-	31.97	27.56	3.34	-



802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/03/2018



Lim.PK	
PK	
Lim.AV	
AV	

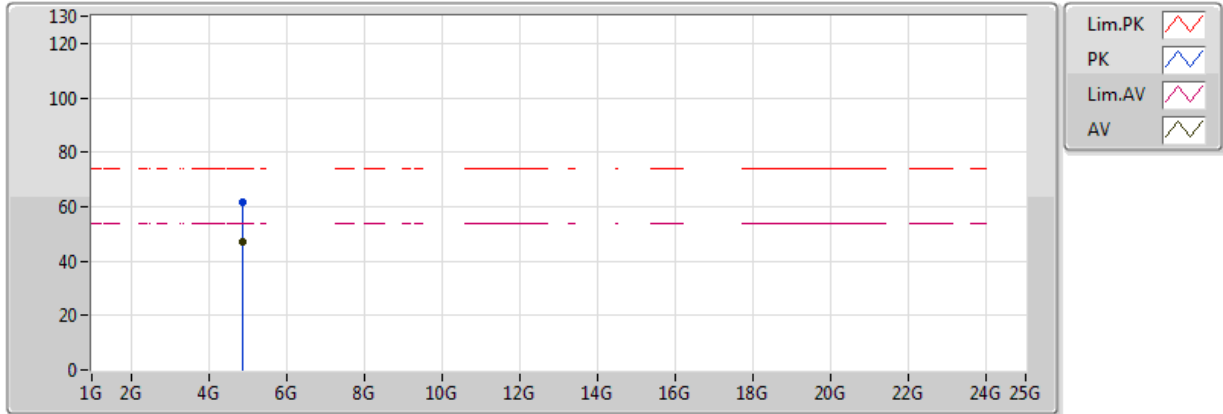
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AV	2.3882G	51.53	54.00	-2.47	30.55	3	Horizontal	244	1.24	-	20.98	27.31	3.24	-
AV	2.4374G	107.72	Inf	-Inf	30.72	3	Horizontal	244	1.24	-	77.00	27.44	3.29	-
AV	2.4866G	53.52	54.00	-0.48	30.91	3	Horizontal	244	1.24	-	22.61	27.57	3.34	-
PK	2.3878G	73.33	74.00	-0.67	30.55	3	Horizontal	244	1.24	-	42.78	27.31	3.24	-
PK	2.4374G	117.18	Inf	-Inf	30.72	3	Horizontal	244	1.24	-	86.46	27.44	3.29	-
PK	2.4874G	69.75	74.00	-4.25	30.91	3	Horizontal	244	1.24	-	38.84	27.57	3.34	-



802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/03/2018



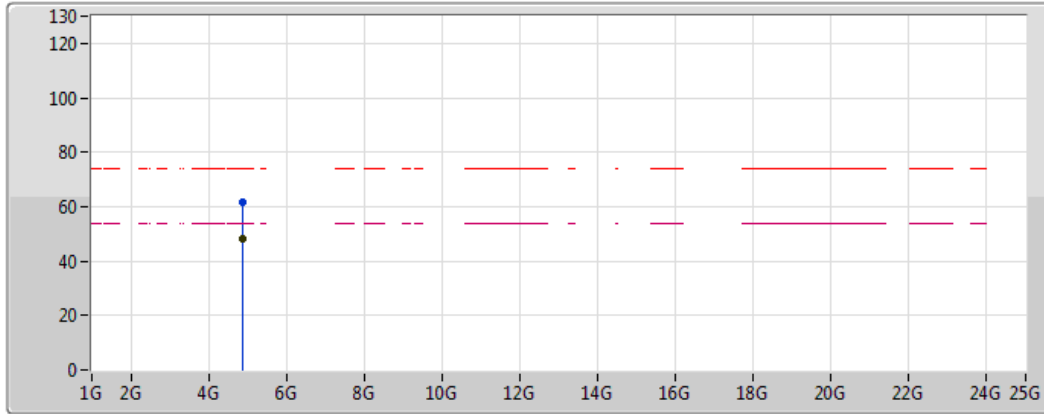
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AV	4.8745G	47.27	54.00	-6.73	6.09	3	Vertical	166	1.12	-	41.18	31.37	4.55	29.84
PK	4.8745G	61.46	74.00	-12.54	6.09	3	Vertical	166	1.12	-	55.37	31.37	4.55	29.84



802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/03/2018



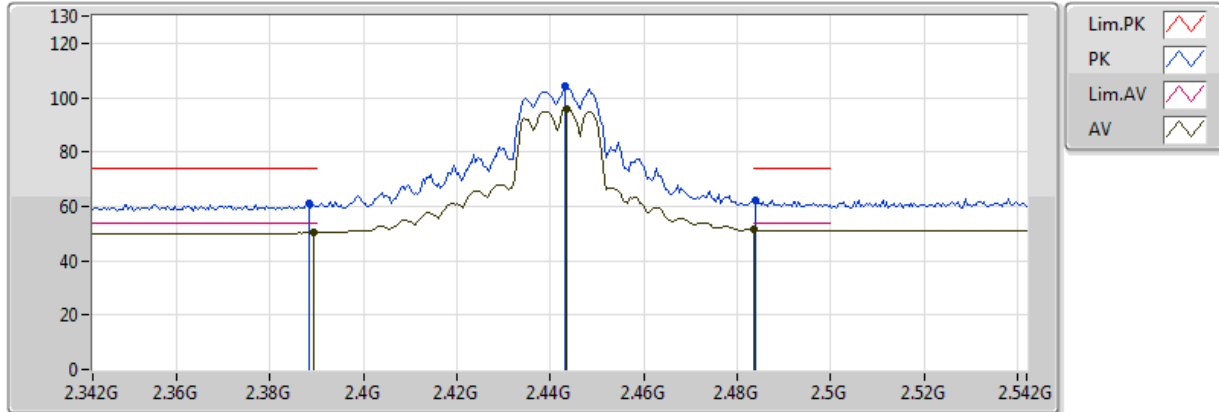
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PK	
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AV	

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	4.8747G	47.99	54.00	-6.01	6.09	3	Horizontal	300	1.01	-	41.90	31.37	4.55	29.84
PK	4.8746G	61.63	74.00	-12.37	6.09	3	Horizontal	300	1.01	-	55.54	31.37	4.55	29.84

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

12/03/2018



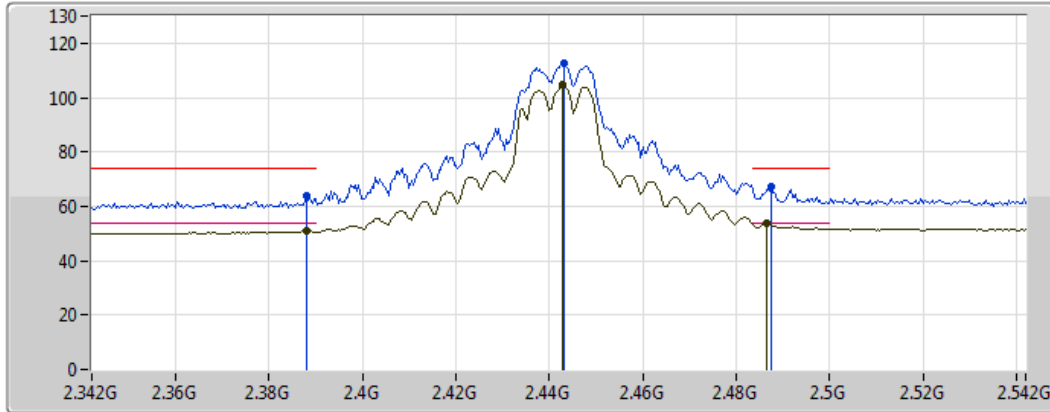
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	50.25	54.00	-3.75	34.92	3	Vertical	213	2.97	-	15.33	26.99	7.93	-
AV	2.4436G	96.03	Inf	-Inf	35.17	3	Vertical	213	2.97	-	60.86	27.14	8.03	-
AV	2.483502G	51.37	54.00	-2.63	35.36	3	Vertical	213	2.97	-	16.01	27.25	8.11	-
PK	2.3884G	60.87	74.00	-13.13	34.92	3	Vertical	213	2.97	-	25.95	26.99	7.93	-
PK	2.4432G	104.06	Inf	-Inf	35.17	3	Vertical	213	2.97	-	68.89	27.14	8.03	-
PK	2.484G	62.37	74.00	-11.63	35.37	3	Vertical	213	2.97	-	27.00	27.26	8.11	-



802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

12/03/2018

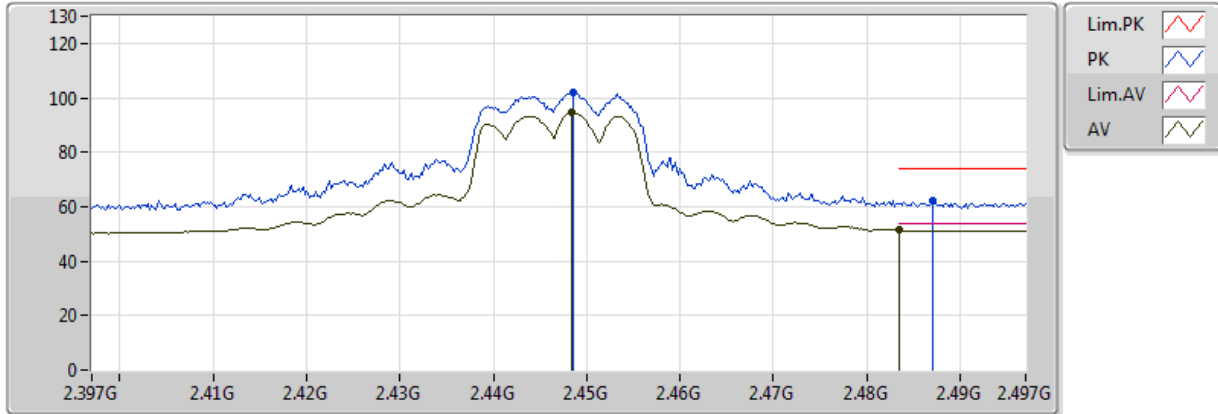


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	50.85	54.00	-3.15	34.92	3	Horizontal	233	1.12	-	15.93	26.99	7.93	-
AV	2.4428G	104.95	Inf	-Inf	35.17	3	Horizontal	233	1.12	-	69.78	27.14	8.03	-
AV	2.4864G	53.65	54.00	-0.35	35.37	3	Horizontal	233	1.12	-	18.28	27.26	8.11	-
PK	2.388G	63.75	74.00	-10.25	34.92	3	Horizontal	233	1.12	-	28.83	26.99	7.93	-
PK	2.4432G	112.59	Inf	-Inf	35.17	3	Horizontal	233	1.12	-	77.42	27.14	8.03	-
PK	2.4876G	67.42	74.00	-6.58	35.39	3	Horizontal	233	1.12	-	32.03	27.27	8.12	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

12/03/2018



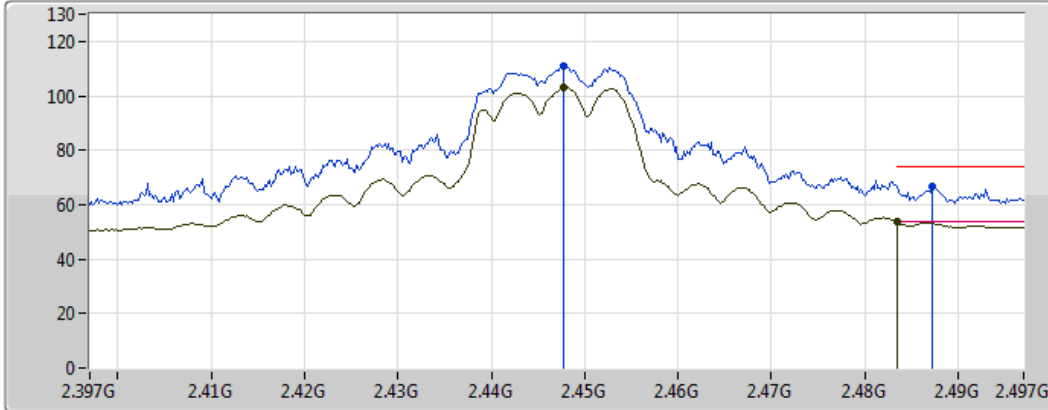
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4484G	94.48	Inf	-Inf	35.20	3	Vertical	211	2.94	-	59.28	27.16	8.04	-
AV	2.483502G	51.45	54.00	-2.55	35.36	3	Vertical	211	2.94	-	16.09	27.25	8.11	-
PK	2.4486G	102.09	Inf	-Inf	35.20	3	Vertical	211	2.94	-	66.89	27.16	8.04	-
PK	2.487G	62.01	74.00	-11.99	35.38	3	Vertical	211	2.94	-	26.63	27.26	8.12	-



802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

12/03/2018



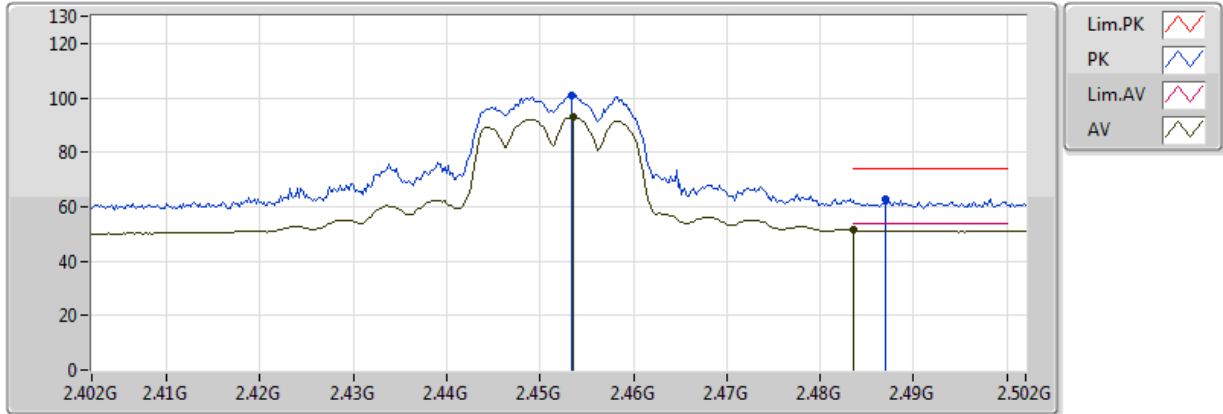
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AV	2.4478G	103.27	Inf	-Inf	35.19	3	Horizontal	235	1.00	-	68.08	27.15	8.04	-
AV	2.483502G	53.65	54.00	-0.35	35.36	3	Horizontal	235	1.00	-	18.29	27.25	8.11	-
PK	2.4478G	110.91	Inf	-Inf	35.19	3	Horizontal	235	1.00	-	75.72	27.15	8.04	-
PK	2.4872G	66.81	74.00	-7.19	35.38	3	Horizontal	235	1.00	-	31.43	27.26	8.12	-



802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

12/03/2018



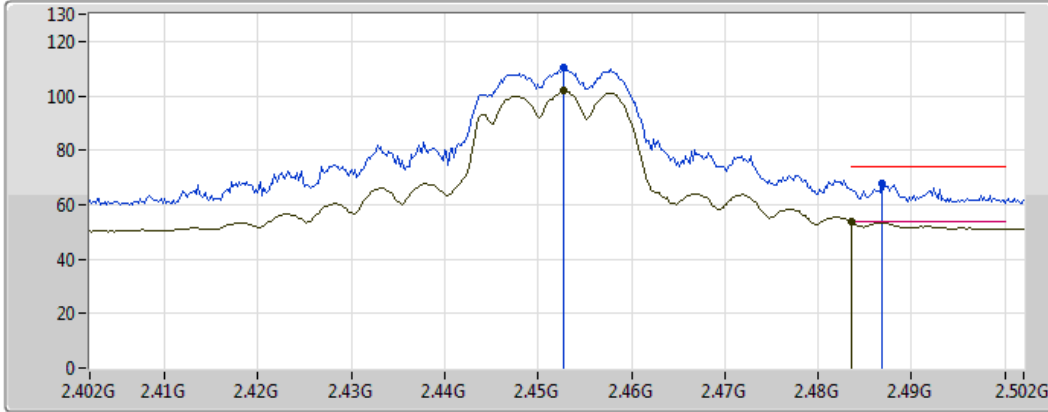
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AV	2.4536G	93.02	Inf	-Inf	35.22	3	Vertical	214	2.95	-	57.80	27.17	8.05	-
AV	2.4836G	51.38	54.00	-2.62	35.36	3	Vertical	214	2.95	-	16.02	27.25	8.11	-
PK	2.4534G	101.10	Inf	-Inf	35.22	3	Vertical	214	2.95	-	65.88	27.17	8.05	-
PK	2.487G	62.64	74.00	-11.36	35.38	3	Vertical	214	2.95	-	27.26	27.26	8.12	-



802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

12/03/2018



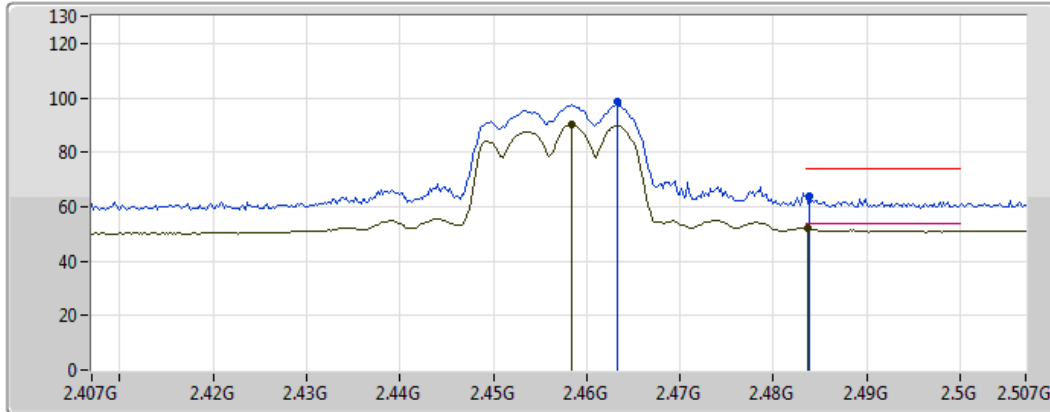
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AV	2.4528G	101.86	Inf	-Inf	35.22	3	Horizontal	234	1.00	-	66.64	27.17	8.05	-
AV	2.483502G	53.72	54.00	-0.28	35.36	3	Horizontal	234	1.00	-	18.36	27.25	8.11	-
PK	2.4528G	110.21	Inf	-Inf	35.22	3	Horizontal	234	1.00	-	74.99	27.17	8.05	-
PK	2.4868G	67.88	74.00	-6.12	35.37	3	Horizontal	234	1.00	-	32.51	27.26	8.11	-



802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

12/03/2018



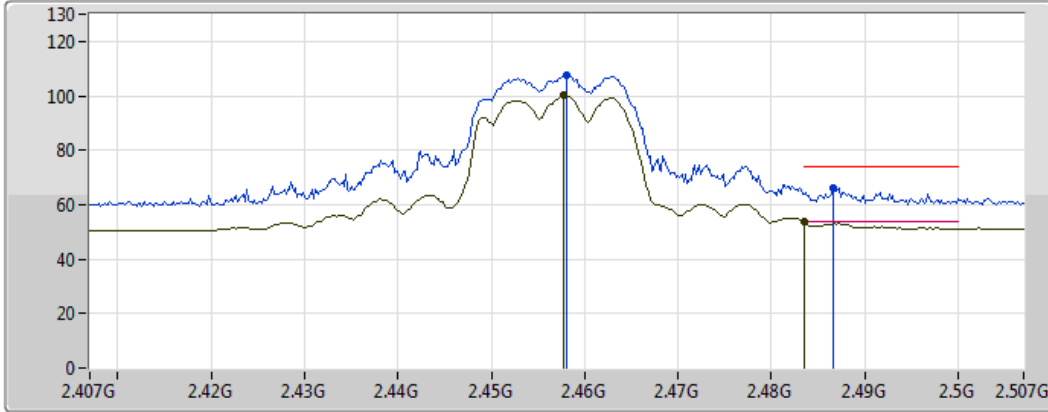
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Lim.AV	
AV	

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	2.4584G	90.02	Inf	-Inf	35.24	3	Vertical	213	3.20	-	54.78	27.18	8.06	-
AV	2.4836G	52.09	54.00	-1.91	35.36	3	Vertical	213	3.20	-	16.73	27.25	8.11	-
PK	2.4632G	98.44	Inf	-Inf	35.27	3	Vertical	213	3.20	-	63.17	27.20	8.07	-
PK	2.4838G	63.89	74.00	-10.11	35.36	3	Vertical	213	3.20	-	28.53	27.25	8.11	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

12/03/2018

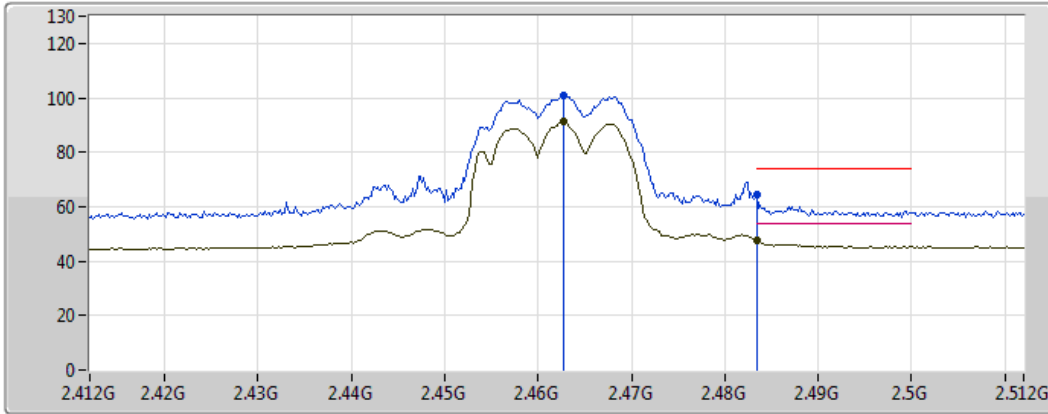


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	100.24	Inf	-Inf	35.24	3	Horizontal	238	1.00	-	65.00	27.18	8.06	-
AV	2.483502G	53.62	54.00	-0.38	35.36	3	Horizontal	238	1.00	-	18.26	27.25	8.11	-
PK	2.458G	107.40	Inf	-Inf	35.24	3	Horizontal	238	1.00	-	72.16	27.18	8.06	-
PK	2.4866G	65.98	74.00	-8.02	35.37	3	Horizontal	238	1.00	-	30.61	27.26	8.11	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/03/2018

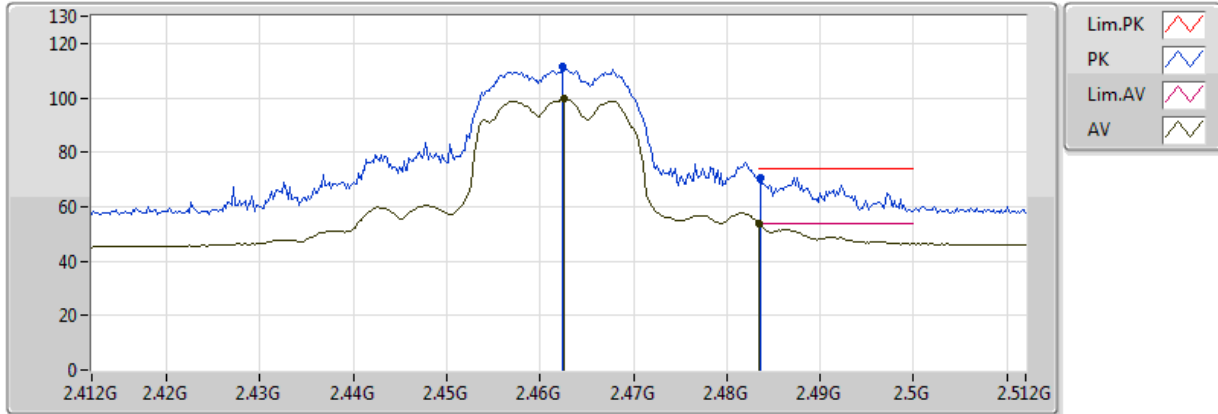


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	91.10	Inf	-Inf	30.82	3	Vertical	228	2.17	-	60.28	27.50	3.31	-
AV	2.483502G	47.78	54.00	-6.22	30.89	3	Vertical	228	2.17	-	16.89	27.56	3.33	-
PK	2.4628G	100.99	Inf	-Inf	30.82	3	Vertical	228	2.17	-	70.17	27.50	3.31	-
PK	2.483502G	64.48	74.00	-9.52	30.89	3	Vertical	228	2.17	-	33.59	27.56	3.33	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/03/2018



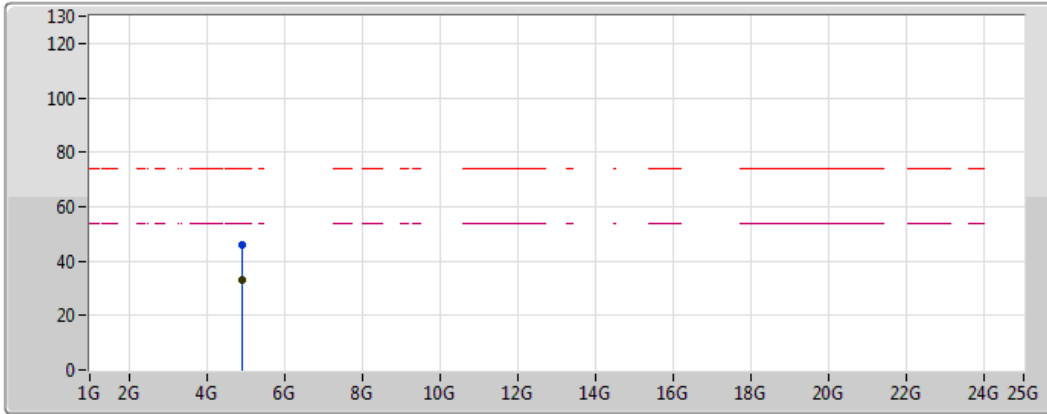
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AV	2.4626G	100.02	Inf	-Inf	30.82	3	Horizontal	241	1.19	-	69.20	27.50	3.31	-
AV	2.483502G	53.80	54.00	-0.20	30.89	3	Horizontal	241	1.19	-	22.91	27.56	3.33	-
PK	2.4624G	111.62	Inf	-Inf	30.81	3	Horizontal	241	1.19	-	80.81	27.50	3.31	-
PK	2.4836G	70.54	74.00	-3.46	30.89	3	Horizontal	241	1.19	-	39.65	27.56	3.33	-



802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/03/2018



Lim.PK	
PK	
Lim.AV	
AV	

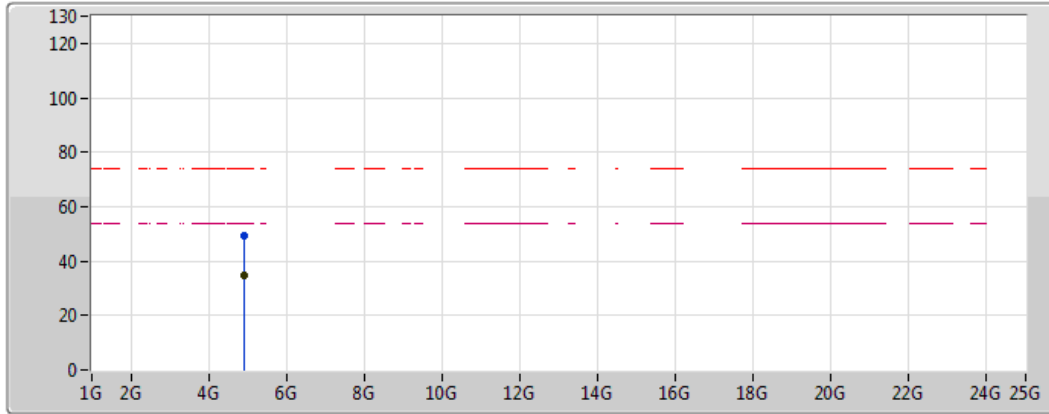
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AV	4.92491G	33.07	54.00	-20.93	6.21	3	Vertical	166	2.25	-	26.86	31.46	4.57	29.83
PK	4.92636G	45.99	74.00	-28.01	6.22	3	Vertical	166	2.25	-	39.77	31.47	4.57	29.82



802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/03/2018



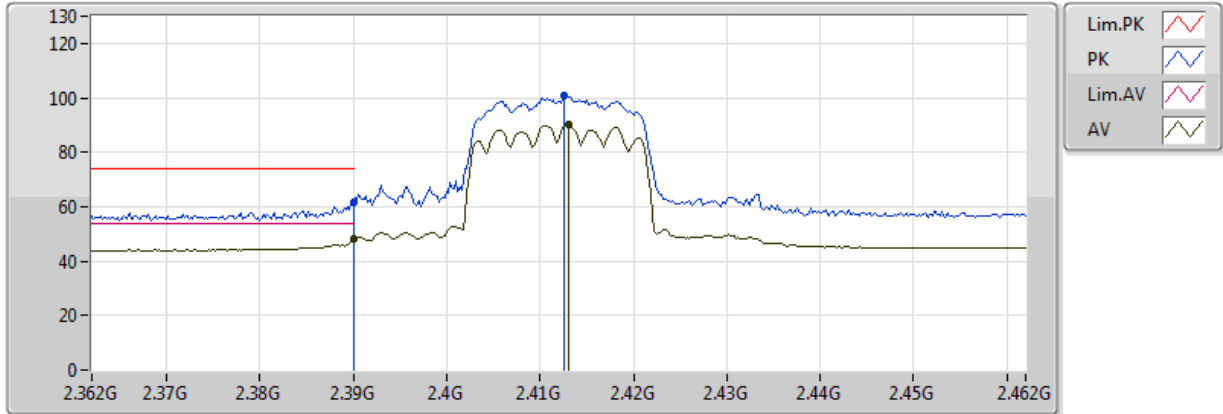
Lim.PK	
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Lim.AV	
AV	

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	4.9254G	34.95	54.00	-19.05	6.21	3	Horizontal	302	1.00	-	28.74	31.47	4.57	29.82
PK	4.92091G	49.14	74.00	-24.86	6.20	3	Horizontal	302	1.00	-	42.94	31.46	4.57	29.83

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

12/03/2018



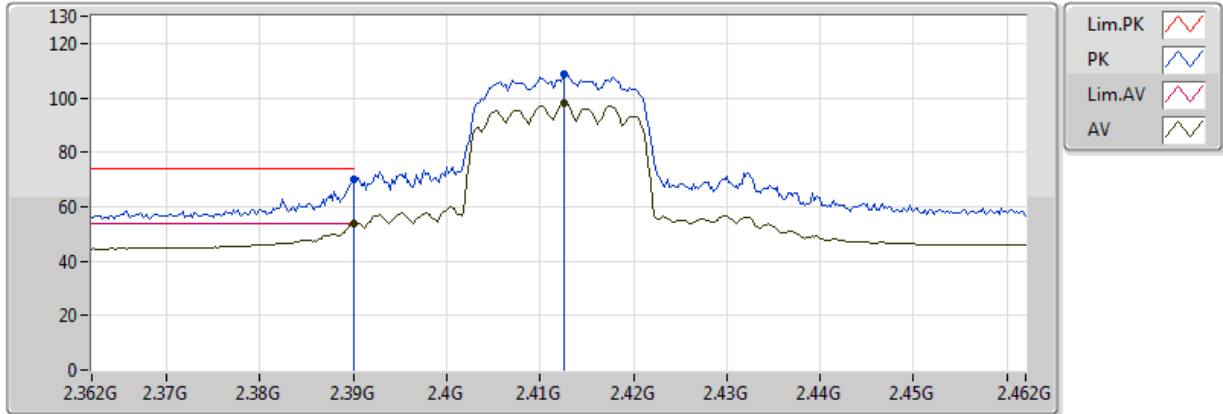
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AV	2.389998G	47.95	54.00	-6.05	30.55	3	Vertical	9	1.70	-	17.40	27.31	3.24	-
AV	2.413G	90.49	Inf	-Inf	30.64	3	Vertical	9	1.70	-	59.85	27.37	3.26	-
PK	2.389998G	61.68	74.00	-12.32	30.55	3	Vertical	9	1.70	-	31.13	27.31	3.24	-
PK	2.4126G	100.70	Inf	-Inf	30.64	3	Vertical	9	1.70	-	70.06	27.37	3.26	-



802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

12/03/2018

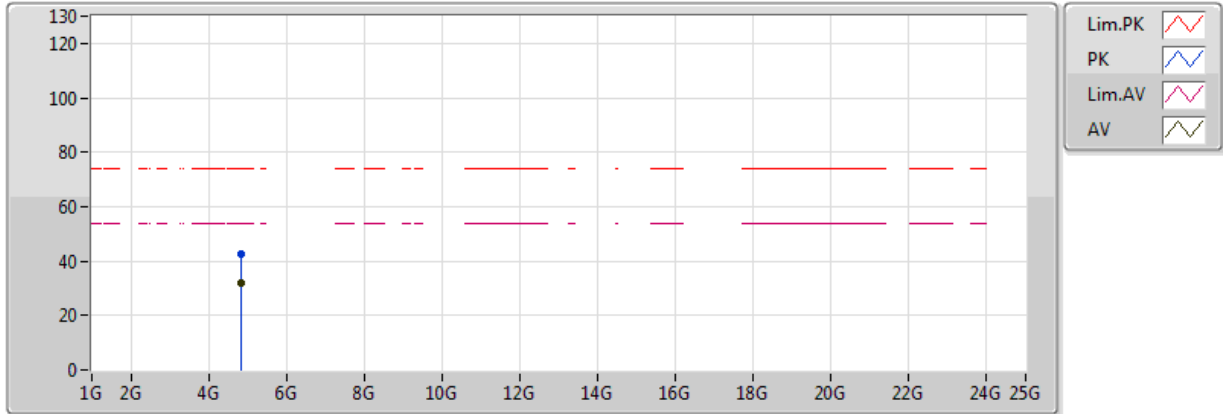


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	53.76	54.00	-0.24	30.55	3	Horizontal	254	1.20	-	23.21	27.31	3.24	-
AV	2.4126G	98.20	Inf	-Inf	30.64	3	Horizontal	254	1.20	-	67.56	27.37	3.26	-
PK	2.389998G	69.93	74.00	-4.07	30.55	3	Horizontal	254	1.20	-	39.38	27.31	3.24	-
PK	2.4126G	108.74	Inf	-Inf	30.64	3	Horizontal	254	1.20	-	78.10	27.37	3.26	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

12/03/2018

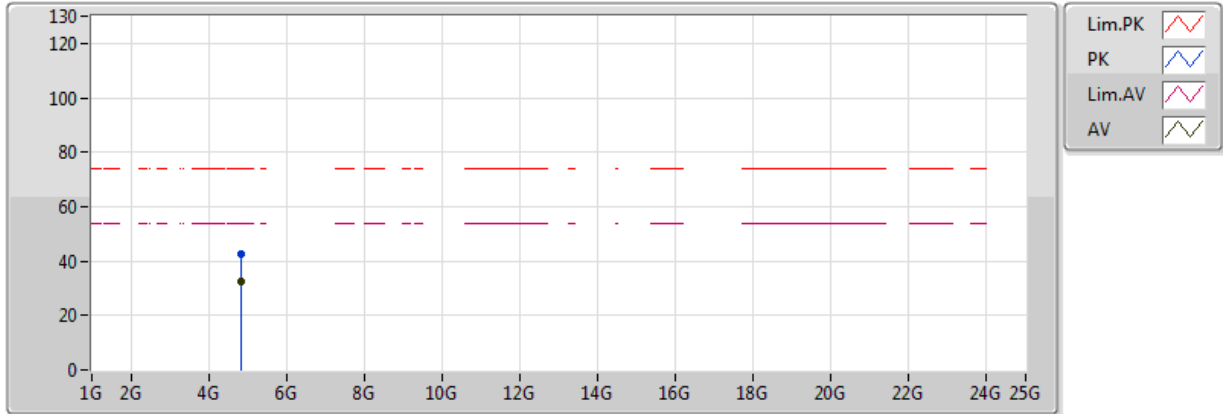


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.823082G	32.19	54.00	-21.81	5.96	3	Vertical	135	2.35	-	26.23	31.28	4.52	29.85
PK	4.823082G	42.83	74.00	-31.17	5.96	3	Vertical	135	2.35	-	36.87	31.28	4.52	29.85

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

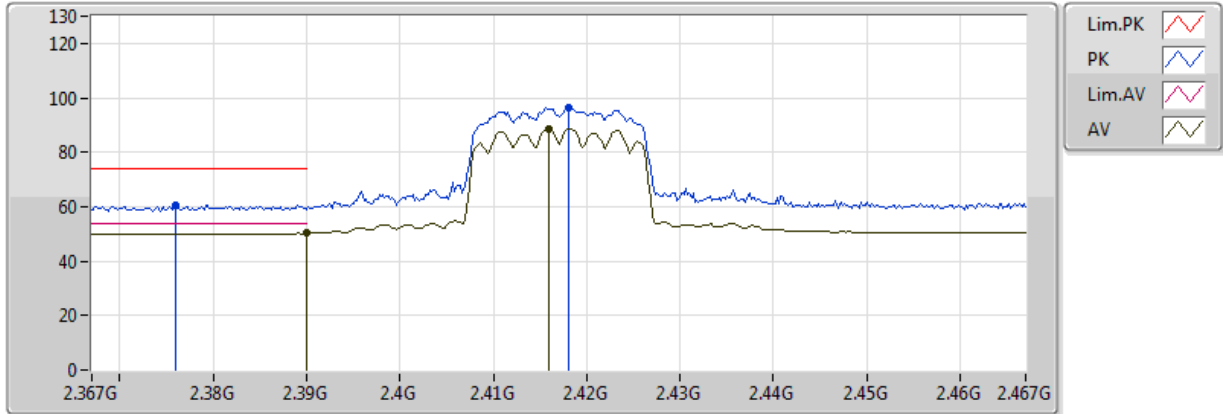
12/03/2018



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	4.831226G	32.58	54.00	-21.42	5.98	3	Horizontal	274	1.57	-	26.60	31.30	4.53	29.84
PK	4.831226G	42.53	74.00	-31.47	5.98	3	Horizontal	274	1.57	-	36.55	31.30	4.53	29.84

802.11n HT20_Nss1,(MCS0)_2TX 2417MHz_TX

12/03/2018

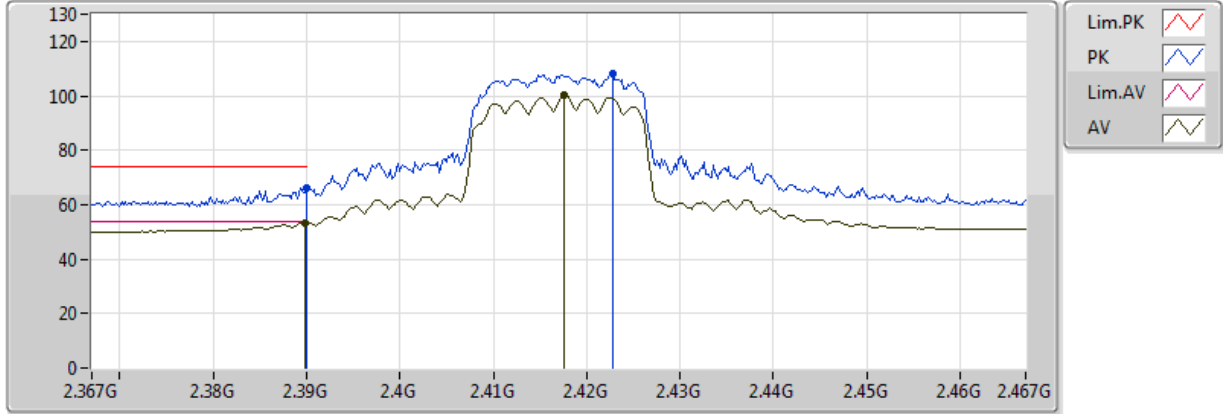


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.22	54.00	-3.78	34.92	3	Vertical	350	1.01	-	15.30	26.99	7.93	-
AV	2.416G	88.57	Inf	-Inf	35.05	3	Vertical	350	1.01	-	53.52	27.06	7.98	-
PK	2.376G	60.64	74.00	-13.36	34.85	3	Vertical	350	1.01	-	25.79	26.95	7.90	-
PK	2.418G	96.56	Inf	-Inf	35.05	3	Vertical	350	1.01	-	61.51	27.07	7.98	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

12/03/2018

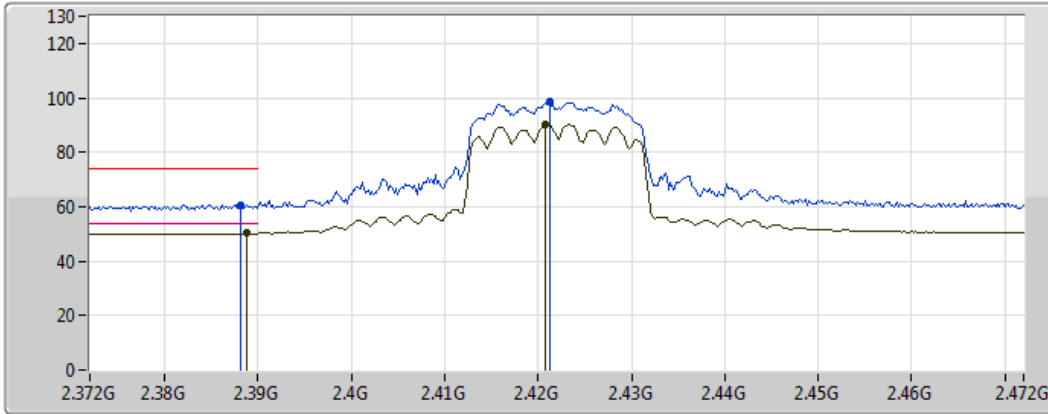


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.50	54.00	-0.50	34.92	3	Horizontal	236	1.00	-	18.58	26.99	7.93	-
AV	2.4176G	100.15	Inf	-Inf	35.05	3	Horizontal	236	1.00	-	65.10	27.07	7.98	-
PK	2.389998G	66.34	74.00	-7.66	34.92	3	Horizontal	236	1.00	-	31.42	26.99	7.93	-
PK	2.4228G	107.98	Inf	-Inf	35.08	3	Horizontal	236	1.00	-	72.90	27.08	7.99	-



**802.11n HT20_Nss1,(MCS0)_2TX
2422MHz_TX**

12/03/2018



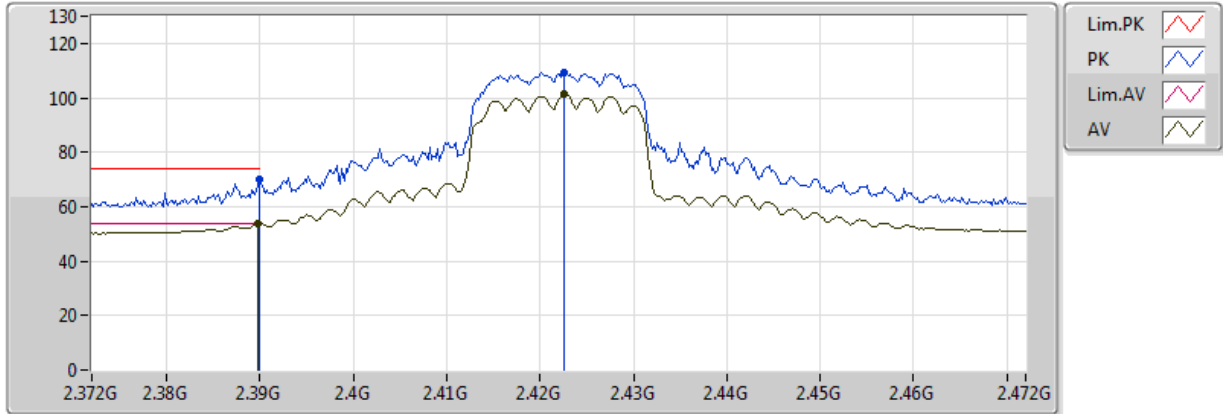
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AV	2.3888G	50.19	54.00	-3.81	34.92	3	Vertical	8	1.02	-	15.27	26.99	7.93	-
AV	2.4208G	90.34	Inf	-Inf	35.07	3	Vertical	8	1.02	-	55.27	27.08	7.99	-
PK	2.3882G	60.71	74.00	-13.29	34.92	3	Vertical	8	1.02	-	25.79	26.99	7.93	-
PK	2.4212G	98.83	Inf	-Inf	35.07	3	Vertical	8	1.02	-	63.76	27.08	7.99	-



802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

12/03/2018

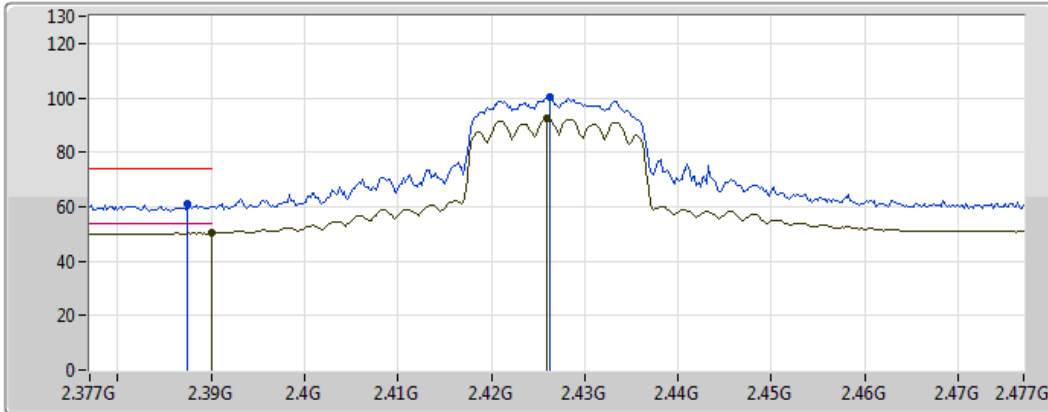


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.87	54.00	-0.13	34.92	3	Horizontal	251	1.01	-	18.95	26.99	7.93	-
AV	2.4226G	101.54	Inf	-Inf	35.08	3	Horizontal	251	1.01	-	66.46	27.08	7.99	-
PK	2.389998G	70.21	74.00	-3.79	34.92	3	Horizontal	251	1.01	-	35.29	26.99	7.93	-
PK	2.4226G	109.46	Inf	-Inf	35.08	3	Horizontal	251	1.01	-	74.38	27.08	7.99	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

12/03/2018

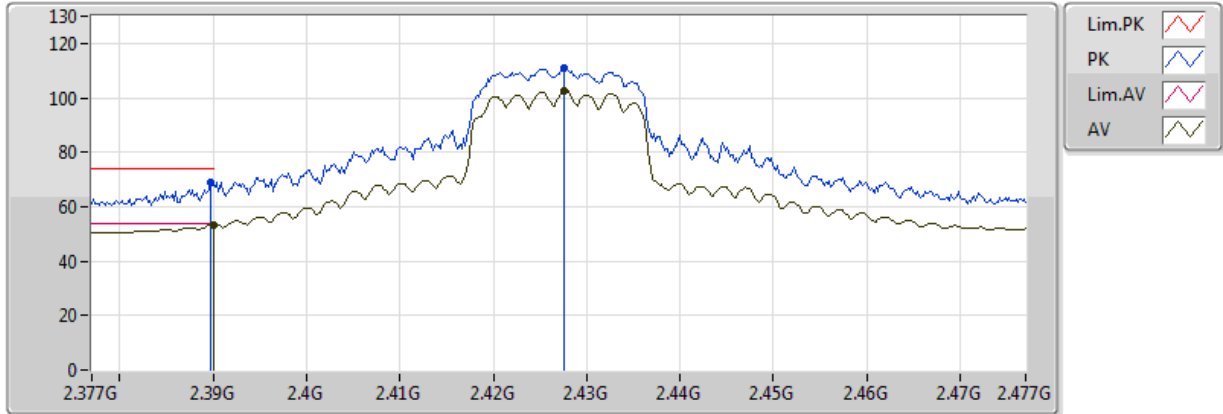


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.34	54.00	-3.66	34.92	3	Vertical	7	1.04	-	15.42	26.99	7.93	-
AV	2.426G	92.51	Inf	-Inf	35.09	3	Vertical	7	1.04	-	57.42	27.09	8.00	-
PK	2.3874G	60.80	74.00	-13.20	34.91	3	Vertical	7	1.04	-	25.89	26.98	7.93	-
PK	2.4262G	100.29	Inf	-Inf	35.09	3	Vertical	7	1.04	-	65.20	27.09	8.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

12/03/2018

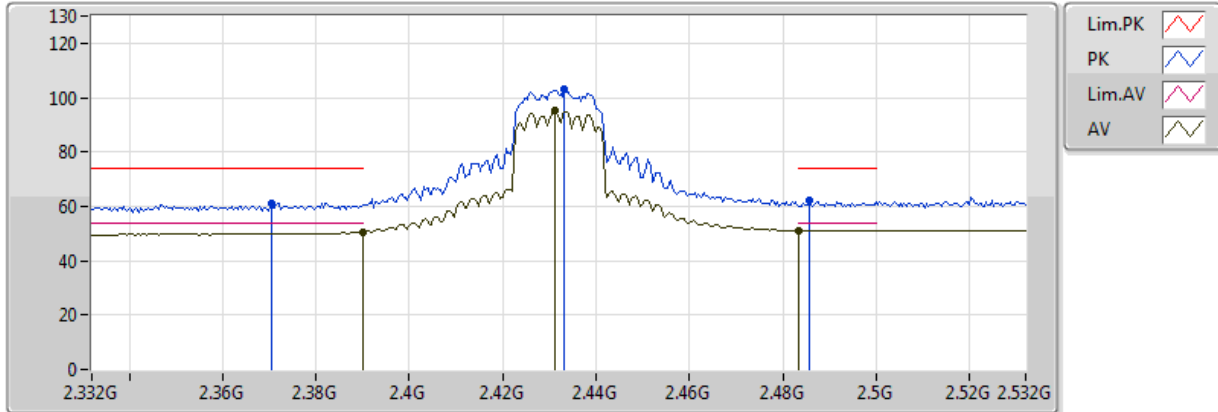


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	53.39	54.00	-0.61	34.92	3	Horizontal	251	1.01	-	18.47	26.99	7.93	-
AV	2.4276G	102.70	Inf	-Inf	35.10	3	Horizontal	251	1.01	-	67.60	27.10	8.00	-
PK	2.3898G	69.16	74.00	-4.84	34.92	3	Horizontal	251	1.01	-	34.24	26.99	7.93	-
PK	2.4276G	110.72	Inf	-Inf	35.10	3	Horizontal	251	1.01	-	75.62	27.10	8.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

12/03/2018

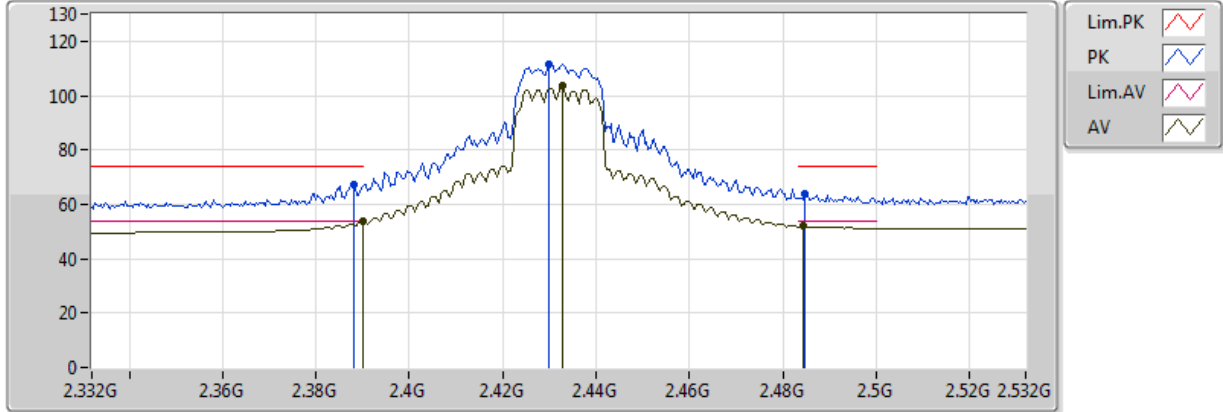


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.68	54.00	-3.32	34.92	3	Vertical	10	1.02	-	15.76	26.99	7.93	-
AV	2.4312G	95.24	Inf	-Inf	35.12	3	Vertical	10	1.02	-	60.12	27.11	8.01	-
AV	2.483502G	51.14	54.00	-2.86	35.36	3	Vertical	10	1.02	-	15.78	27.25	8.11	-
PK	2.3704G	61.35	74.00	-12.65	34.83	3	Vertical	10	1.02	-	26.52	26.94	7.89	-
PK	2.4332G	102.88	Inf	-Inf	35.13	3	Vertical	10	1.02	-	67.75	27.11	8.01	-
PK	2.4856G	61.97	74.00	-12.03	35.37	3	Vertical	10	1.02	-	26.60	27.26	8.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

12/03/2018

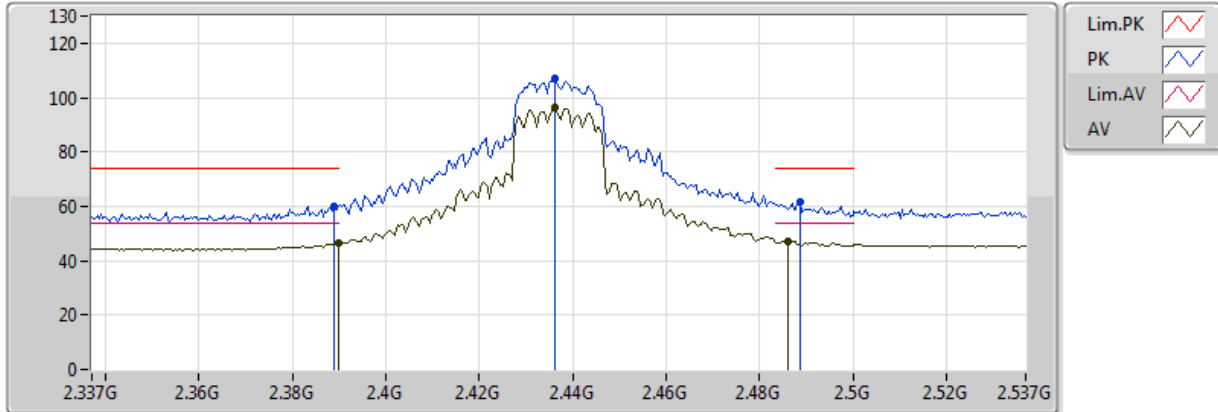


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	53.87	54.00	-0.13	34.92	3	Horizontal	252	1.01	-	18.95	26.99	7.93	-
AV	2.4328G	103.44	Inf	-Inf	35.12	3	Horizontal	252	1.01	-	68.32	27.11	8.01	-
AV	2.4844G	51.94	54.00	-2.06	35.37	3	Horizontal	252	1.01	-	16.57	27.26	8.11	-
PK	2.388G	67.02	74.00	-6.98	34.92	3	Horizontal	252	1.01	-	32.10	26.99	7.93	-
PK	2.43G	111.65	Inf	-Inf	35.11	3	Horizontal	252	1.01	-	76.54	27.10	8.01	-
PK	2.4848G	63.99	74.00	-10.01	35.37	3	Horizontal	252	1.01	-	28.62	27.26	8.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

12/03/2018



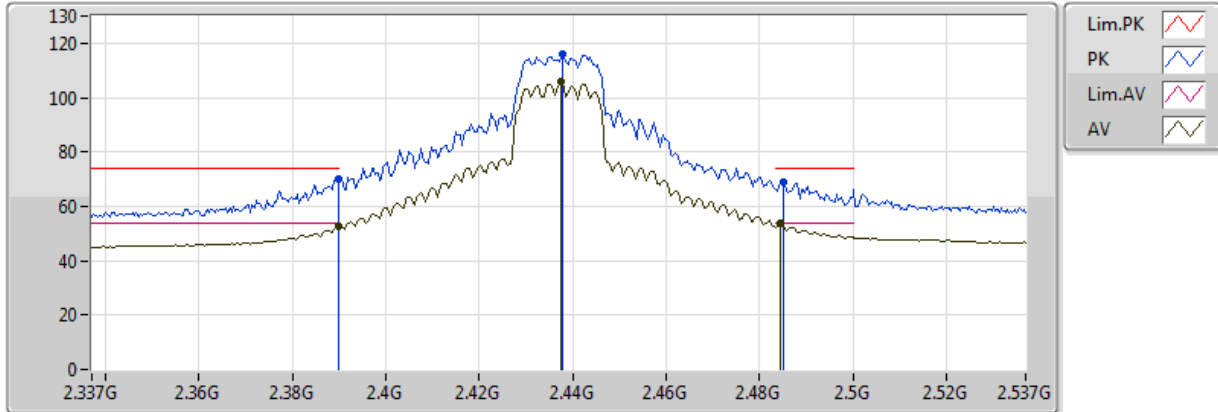
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AV	2.3898G	46.36	54.00	-7.64	30.55	3	Vertical	11	1.09	-	15.81	27.31	3.24	-
AV	2.4362G	96.36	Inf	-Inf	30.72	3	Vertical	11	1.09	-	65.64	27.43	3.29	-
AV	2.4862G	47.33	54.00	-6.67	30.90	3	Vertical	11	1.09	-	16.43	27.56	3.34	-
PK	2.389G	59.95	74.00	-14.05	30.55	3	Vertical	11	1.09	-	29.40	27.31	3.24	-
PK	2.4362G	106.99	Inf	-Inf	30.72	3	Vertical	11	1.09	-	76.27	27.43	3.29	-
PK	2.4886G	61.45	74.00	-12.55	30.91	3	Vertical	11	1.09	-	30.54	27.57	3.34	-



802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

12/03/2018



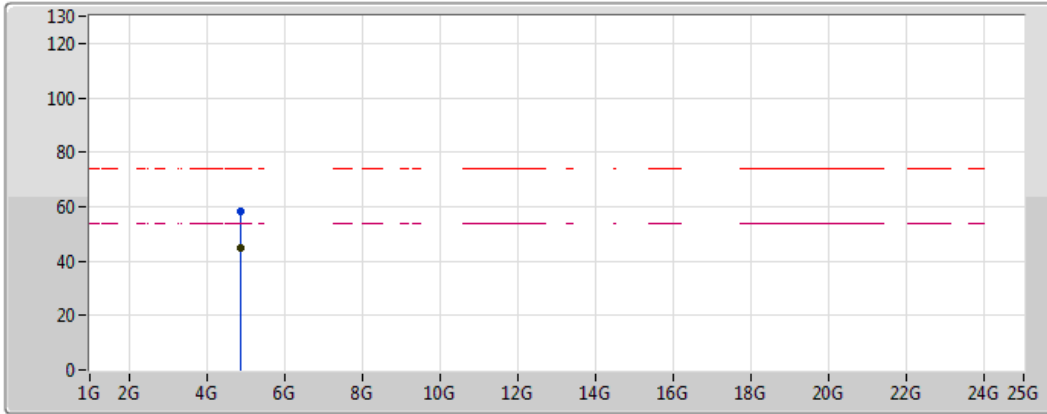
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.61	54.00	-1.39	30.55	3	Horizontal	248	1.02	-	22.06	27.31	3.24	-
AV	2.4374G	105.96	Inf	-Inf	30.72	3	Horizontal	248	1.02	-	75.24	27.44	3.29	-
AV	2.4846G	53.61	54.00	-0.39	30.89	3	Horizontal	248	1.02	-	22.72	27.56	3.33	-
PK	2.3898G	69.80	74.00	-4.20	30.55	3	Horizontal	248	1.02	-	39.25	27.31	3.24	-
PK	2.4378G	116.11	Inf	-Inf	30.73	3	Horizontal	248	1.02	-	85.38	27.44	3.29	-
PK	2.485G	68.74	74.00	-5.26	30.89	3	Horizontal	248	1.02	-	37.85	27.56	3.33	-



802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

12/03/2018

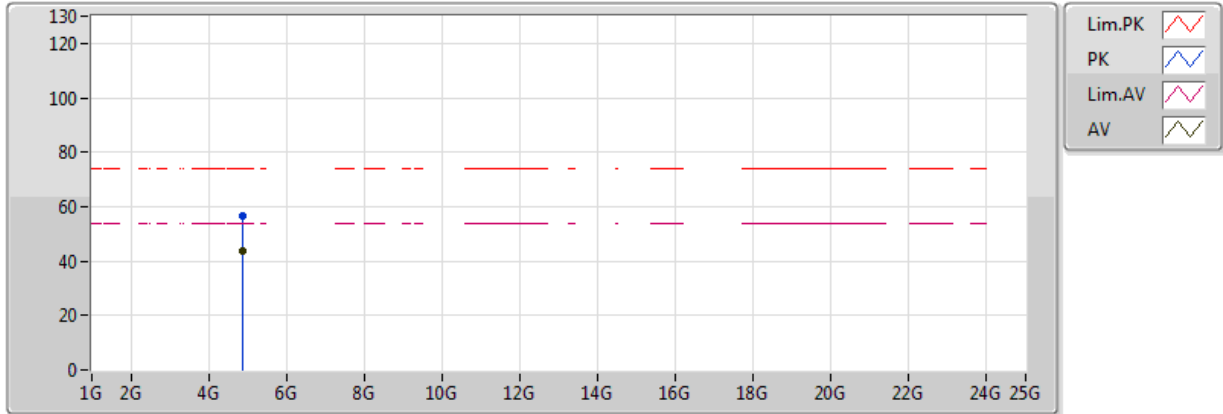


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8741G	44.83	54.00	-9.17	6.09	3	Vertical	165	1.13	-	38.74	31.37	4.55	29.84
PK	4.8741G	58.08	74.00	-15.92	6.09	3	Vertical	165	1.13	-	51.99	31.37	4.55	29.84

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

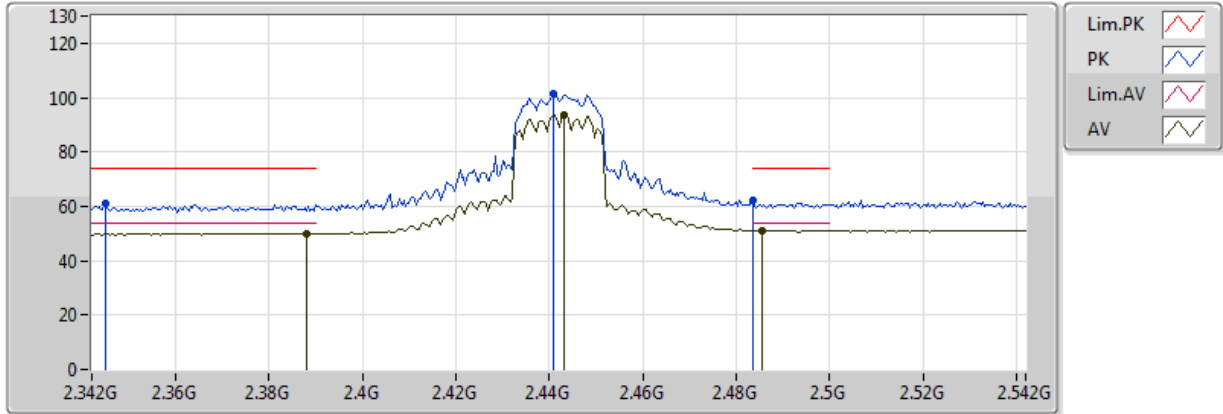
12/03/2018



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	4.8741G	43.71	54.00	-10.29	6.09	3	Horizontal	300	1.02	-	37.62	31.37	4.55	29.84
PK	4.8741G	56.35	74.00	-17.65	6.09	3	Horizontal	300	1.02	-	50.26	31.37	4.55	29.84

**802.11n HT20_Nss1,(MCS0)_2TX
2442MHz_TX**

12/03/2018

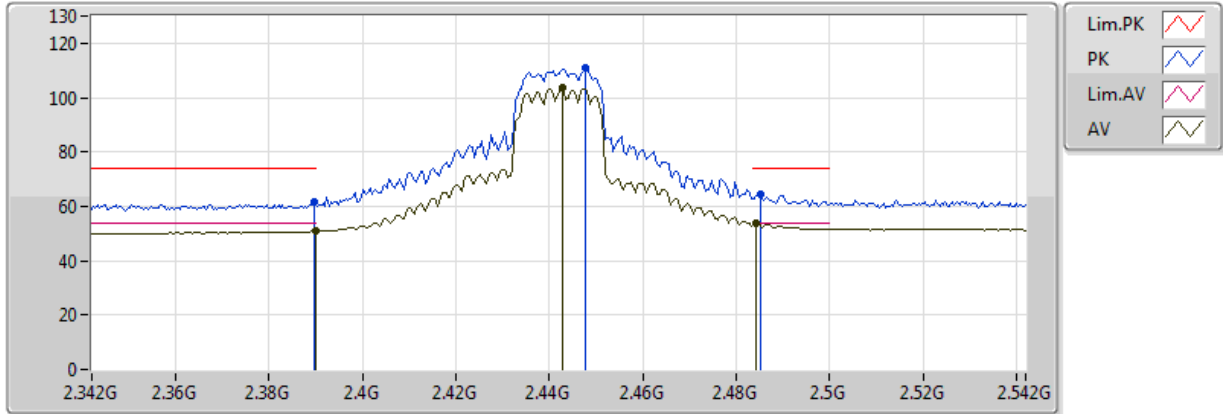


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	49.99	54.00	-4.01	34.92	3	Vertical	52	1.01	-	15.07	26.99	7.93	-
AV	2.4432G	93.79	Inf	-Inf	35.17	3	Vertical	52	1.01	-	58.62	27.14	8.03	-
AV	2.4856G	51.12	54.00	-2.88	35.37	3	Vertical	52	1.01	-	15.75	27.26	8.11	-
PK	2.3448G	60.88	74.00	-13.12	34.72	3	Vertical	52	1.01	-	26.16	26.87	7.85	-
PK	2.4408G	101.60	Inf	-Inf	35.16	3	Vertical	52	1.01	-	66.44	27.13	8.03	-
PK	2.483502G	62.42	74.00	-11.58	35.36	3	Vertical	52	1.01	-	27.06	27.25	8.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

12/03/2018



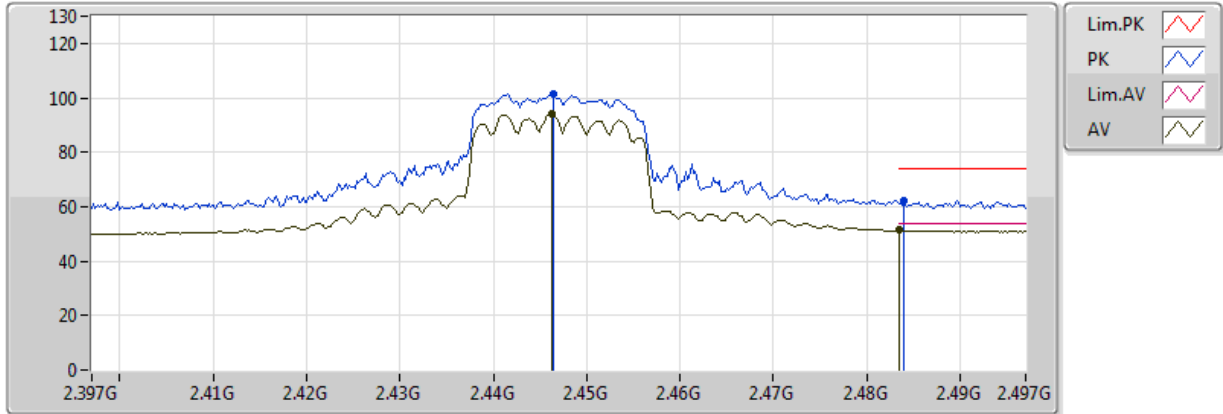
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.79	54.00	-3.21	34.92	3	Horizontal	242	1.00	-	15.87	26.99	7.93	-
AV	2.4428G	103.73	Inf	-Inf	35.17	3	Horizontal	242	1.00	-	68.56	27.14	8.03	-
AV	2.4844G	53.54	54.00	-0.46	35.37	3	Horizontal	242	1.00	-	18.17	27.26	8.11	-
PK	2.3896G	61.66	74.00	-12.34	34.92	3	Horizontal	242	1.00	-	26.74	26.99	7.93	-
PK	2.4476G	110.67	Inf	-Inf	35.19	3	Horizontal	242	1.00	-	75.48	27.15	8.04	-
PK	2.4852G	64.22	74.00	-9.78	35.37	3	Horizontal	242	1.00	-	28.85	27.26	8.11	-



802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

12/03/2018

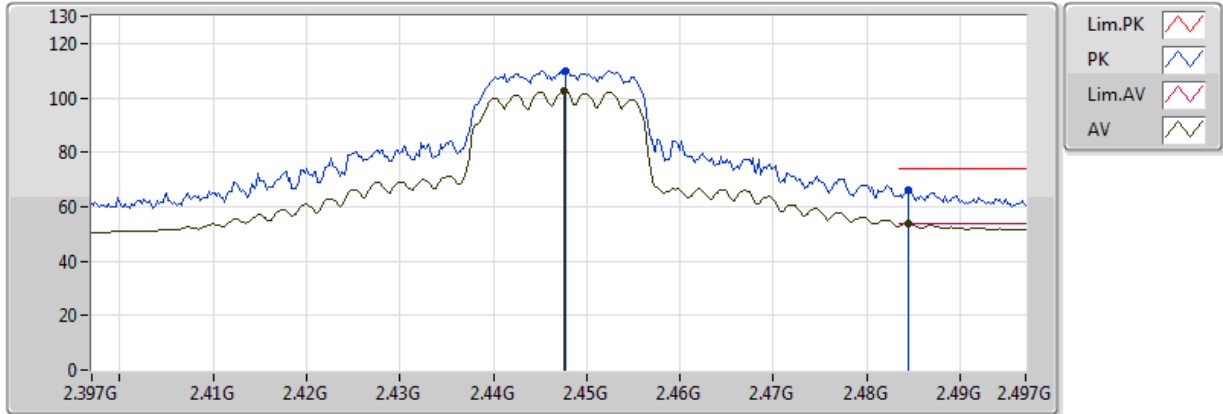


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4462G	94.09	Inf	-Inf	35.19	3	Vertical	328	1.02	-	58.90	27.15	8.04	-
AV	2.483502G	51.33	54.00	-2.67	35.36	3	Vertical	328	1.02	-	15.97	27.25	8.11	-
PK	2.4464G	101.50	Inf	-Inf	35.19	3	Vertical	328	1.02	-	66.31	27.15	8.04	-
PK	2.484G	62.07	74.00	-11.93	35.37	3	Vertical	328	1.02	-	26.70	27.26	8.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

12/03/2018

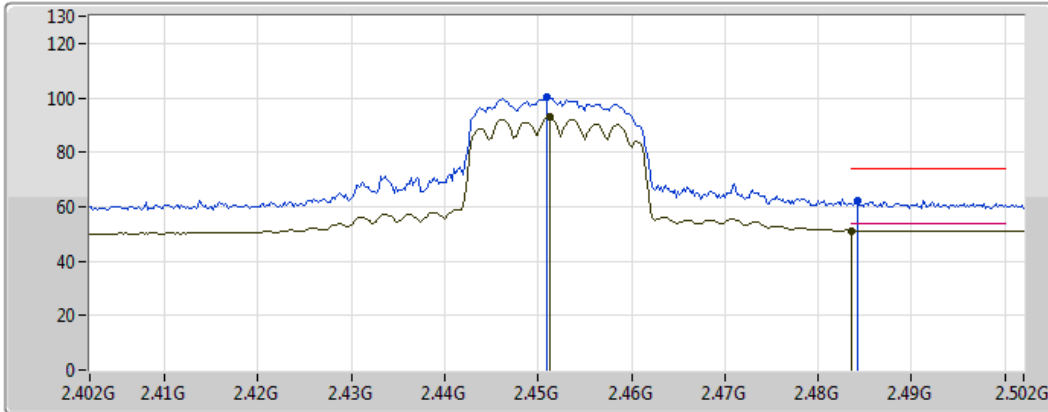






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4476G	102.76	Inf	-Inf	35.19	3	Horizontal	243	1.00	-	67.57	27.15	8.04	-
AV	2.4844G	53.66	54.00	-0.34	35.37	3	Horizontal	243	1.00	-	18.29	27.26	8.11	-
PK	2.4478G	109.86	Inf	-Inf	35.19	3	Horizontal	243	1.00	-	74.67	27.15	8.04	-
PK	2.4844G	66.21	74.00	-7.79	35.37	3	Horizontal	243	1.00	-	30.84	27.26	8.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

12/03/2018



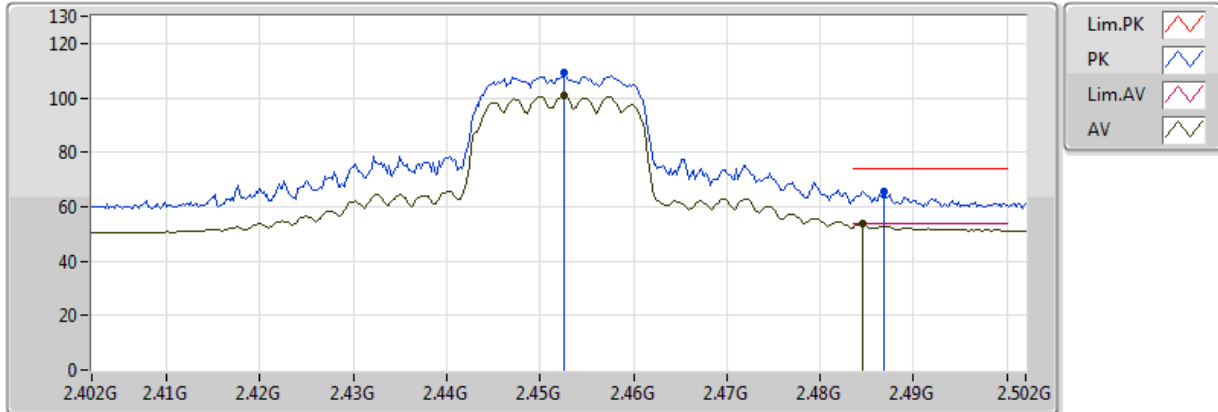
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PK	
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AV	

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	2.4512G	92.94	Inf	-Inf	35.21	3	Vertical	327	1.07	-	57.73	27.16	8.05	-
AV	2.483502G	51.23	54.00	-2.77	35.36	3	Vertical	327	1.07	-	15.87	27.25	8.11	-
PK	2.451G	100.03	Inf	-Inf	35.21	3	Vertical	327	1.07	-	64.82	27.16	8.05	-
PK	2.4842G	62.02	74.00	-11.98	35.37	3	Vertical	327	1.07	-	26.65	27.26	8.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

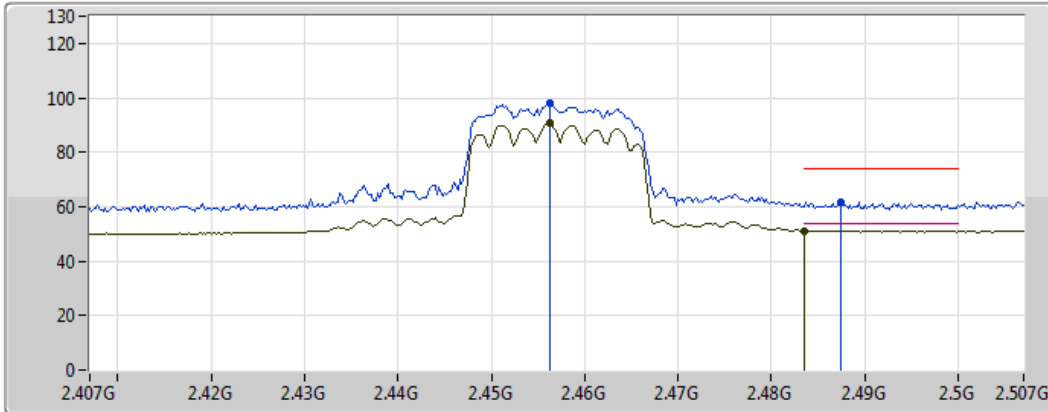
12/03/2018







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	2.4526G	100.92	Inf	-Inf	35.22	3	Horizontal	244	1.00	-	65.70	27.17	8.05	-
AV	2.4846G	53.63	54.00	-0.37	35.37	3	Horizontal	244	1.00	-	18.26	27.26	8.11	-
PK	2.4526G	109.01	Inf	-Inf	35.22	3	Horizontal	244	1.00	-	73.79	27.17	8.05	-
PK	2.4868G	65.45	74.00	-8.55	35.37	3	Horizontal	244	1.00	-	30.08	27.26	8.11	-

**802.11n HT20_Nss1,(MCS0)_2TX
2457MHz_TX**

12/03/2018



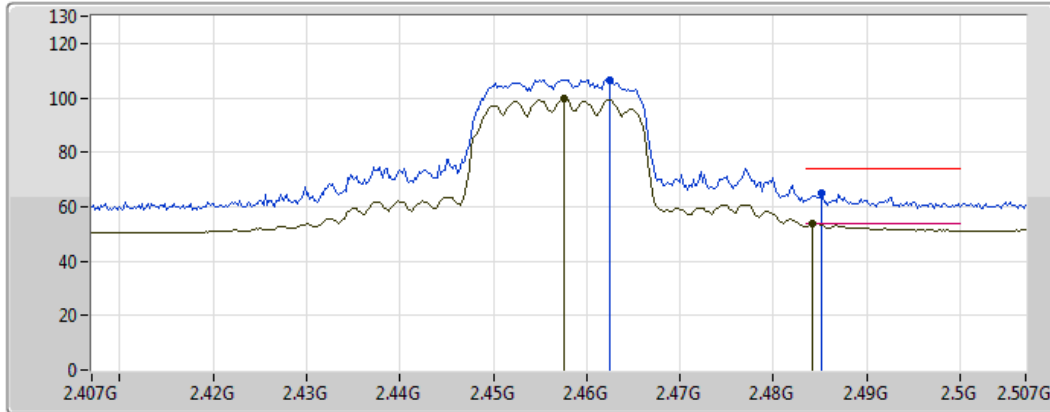
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PK	
Lim.AV	
AV	

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	2.4562G	90.61	Inf	-Inf	35.23	3	Vertical	332	1.02	-	55.38	27.18	8.06	-
AV	2.483502G	51.25	54.00	-2.75	35.36	3	Vertical	332	1.02	-	15.89	27.25	8.11	-
PK	2.4562G	98.10	Inf	-Inf	35.23	3	Vertical	332	1.02	-	62.87	27.18	8.06	-
PK	2.4874G	61.76	74.00	-12.24	35.38	3	Vertical	332	1.02	-	26.38	27.26	8.12	-



**802.11n HT20_Nss1,(MCS0)_2TX
2457MHz_TX**

12/03/2018



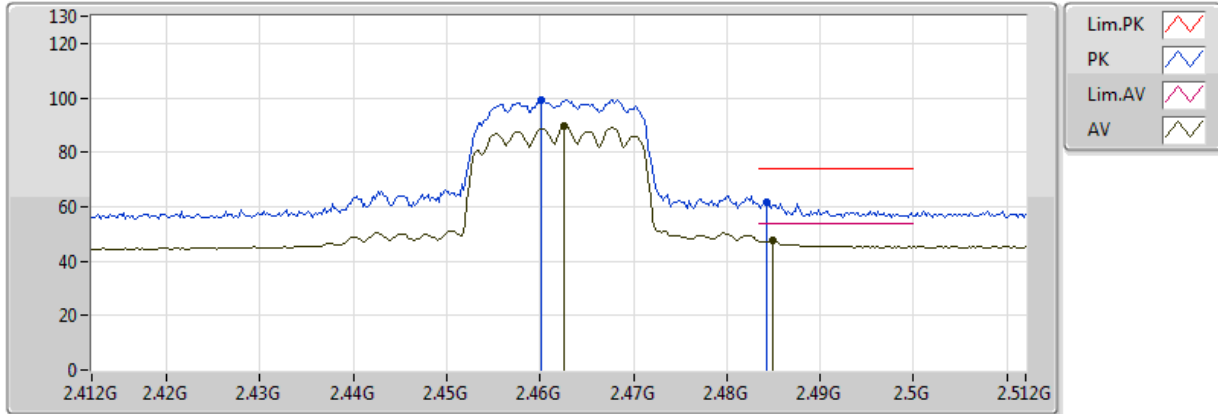
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PK	
Lim.AV	
AV	

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	2.4576G	99.77	Inf	-Inf	35.24	3	Horizontal	247	1.00	-	64.53	27.18	8.06	-
AV	2.4842G	53.86	54.00	-0.14	35.37	3	Horizontal	247	1.00	-	18.49	27.26	8.11	-
PK	2.4624G	106.73	Inf	-Inf	35.26	3	Horizontal	247	1.00	-	71.47	27.19	8.07	-
PK	2.4852G	64.78	74.00	-9.22	35.37	3	Horizontal	247	1.00	-	29.41	27.26	8.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

12/03/2018

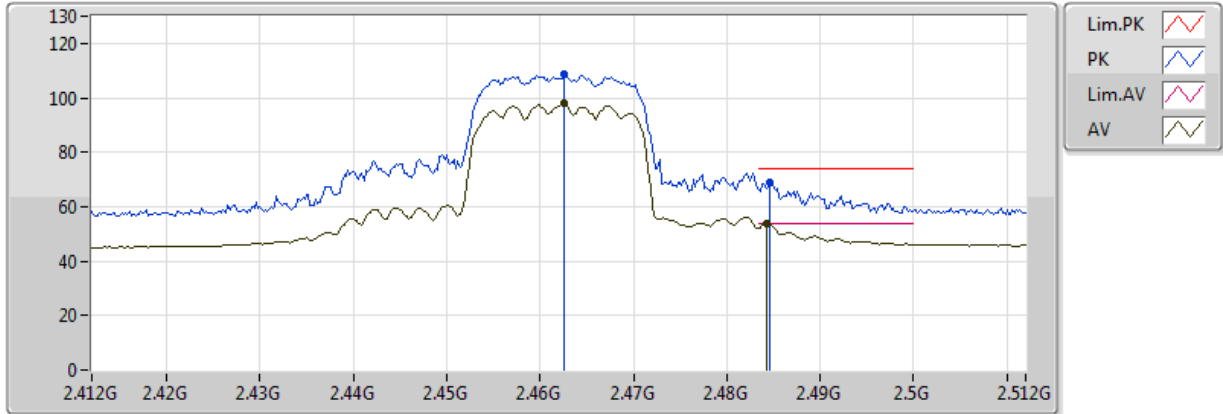


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4626G	89.52	Inf	-Inf	30.82	3	Vertical	227	2.61	-	58.70	27.50	3.31	-
AV	2.485G	47.51	54.00	-6.49	30.89	3	Vertical	227	2.61	-	16.62	27.56	3.33	-
PK	2.4602G	99.37	Inf	-Inf	30.81	3	Vertical	227	2.61	-	68.56	27.50	3.31	-
PK	2.4842G	61.71	74.00	-12.29	30.89	3	Vertical	227	2.61	-	30.82	27.56	3.33	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

12/03/2018

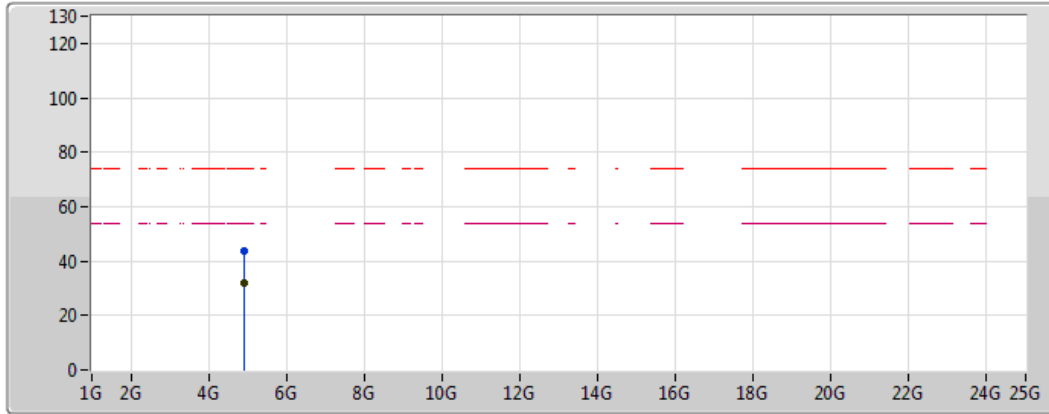






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4626G	97.81	Inf	-Inf	30.82	3	Horizontal	242	1.22	-	66.99	27.50	3.31	-
AV	2.4842G	53.72	54.00	-0.28	30.89	3	Horizontal	242	1.22	-	22.83	27.56	3.33	-
PK	2.4626G	108.63	Inf	-Inf	30.82	3	Horizontal	242	1.22	-	77.81	27.50	3.31	-
PK	2.4846G	68.91	74.00	-5.09	30.89	3	Horizontal	242	1.22	-	38.02	27.56	3.33	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

12/03/2018



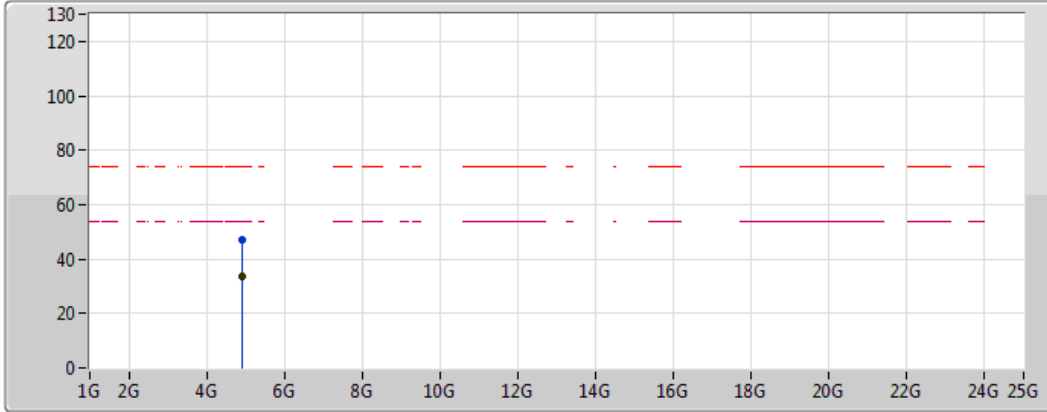
Lim.PK	
PK	
Lim.AV	
AV	

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	4.92407G	32.21	54.00	-21.79	6.25	3	Vertical	31	2.11	-	25.96	31.49	4.58	29.82
PK	4.929G	43.57	74.00	-30.43	6.22	3	Vertical	31	2.11	-	37.35	31.47	4.57	29.82

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

12/03/2018



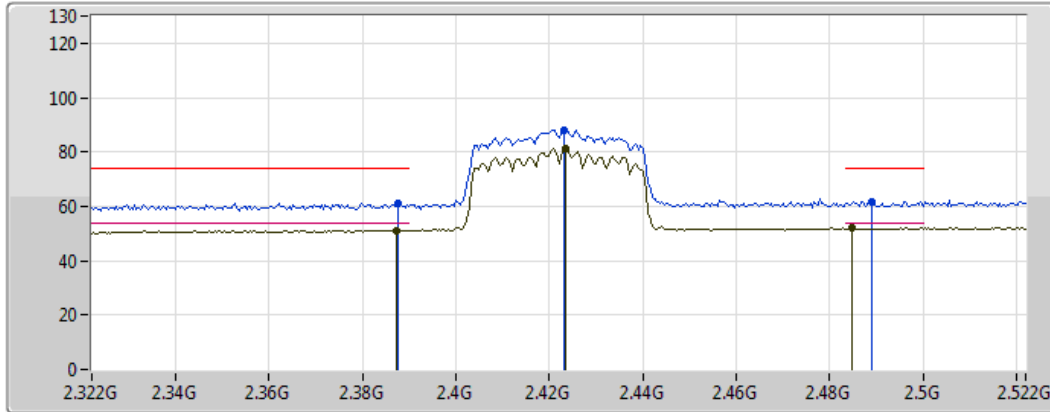
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AV	4.920367G	33.60	54.00	-20.40	6.20	3	Horizontal	256	1.39	-	27.40	31.46	4.57	29.83
PK	4.920367G	47.01	74.00	-26.99	6.20	3	Horizontal	256	1.39	-	40.81	31.46	4.57	29.83



802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

12/03/2018



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 peak icon
- AV: Yellow line with a peak icon

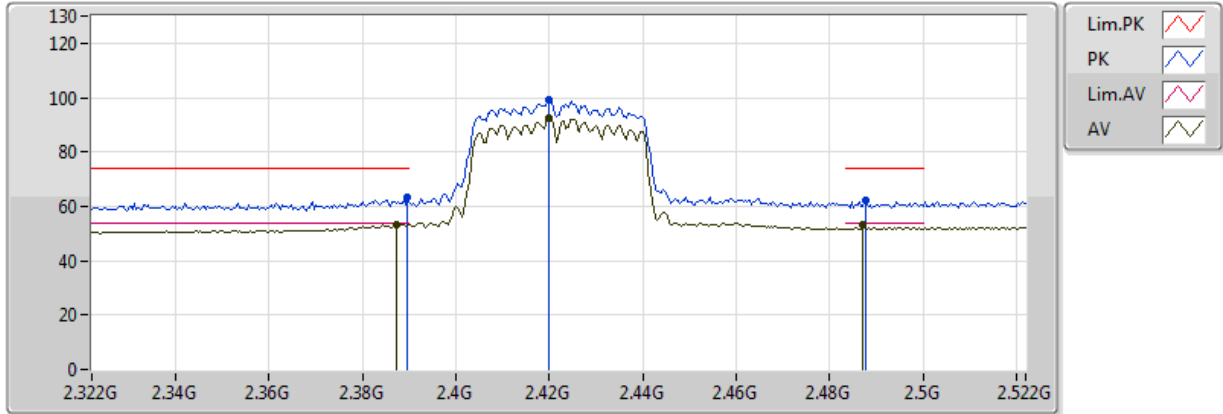
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3872G	51.17	54.00	-2.83	34.91	3	Vertical	9	1.05	-	16.26	26.98	7.93	-
AV	2.4236G	81.10	Inf	-Inf	35.08	3	Vertical	9	1.05	-	46.02	27.09	7.99	-
AV	2.4848G	52.08	54.00	-1.92	35.37	3	Vertical	9	1.05	-	16.71	27.26	8.11	-
PK	2.3876G	61.14	74.00	-12.86	34.92	3	Vertical	9	1.05	-	26.22	26.99	7.93	-
PK	2.4232G	88.25	Inf	-Inf	35.08	3	Vertical	9	1.05	-	53.17	27.08	7.99	-
PK	2.4892G	61.82	74.00	-12.18	35.39	3	Vertical	9	1.05	-	26.43	27.27	8.12	-



802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

12/03/2018



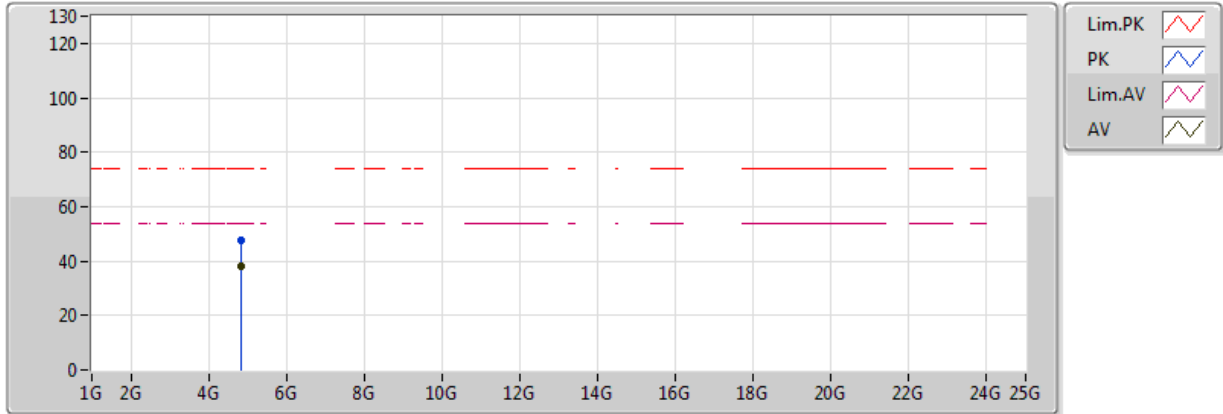
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3872G	53.30	54.00	-0.70	34.91	3	Horizontal	251	1.00	-	18.39	26.98	7.93	-
AV	2.42G	92.46	Inf	-Inf	35.06	3	Horizontal	251	1.00	-	57.40	27.08	7.99	-
AV	2.4872G	52.96	54.00	-1.04	35.38	3	Horizontal	251	1.00	-	17.58	27.26	8.12	-
PK	2.3896G	63.26	74.00	-10.74	34.92	3	Horizontal	251	1.00	-	28.34	26.99	7.93	-
PK	2.42G	98.91	Inf	-Inf	35.06	3	Horizontal	251	1.00	-	63.85	27.08	7.99	-
PK	2.4876G	62.00	74.00	-12.00	35.39	3	Horizontal	251	1.00	-	26.61	27.27	8.12	-



802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

12/03/2018

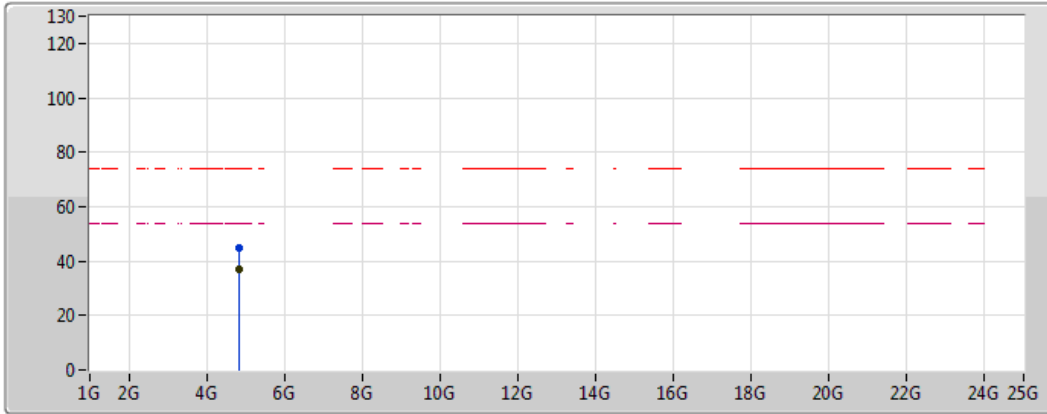






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8458G	38.28	54.00	-15.72	6.37	3	Vertical	211	1.50	-	31.91	31.25	10.30	35.18
PK	4.8414G	47.47	74.00	-26.53	6.36	3	Vertical	211	1.50	-	41.11	31.25	10.29	35.18

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

11/04/2018



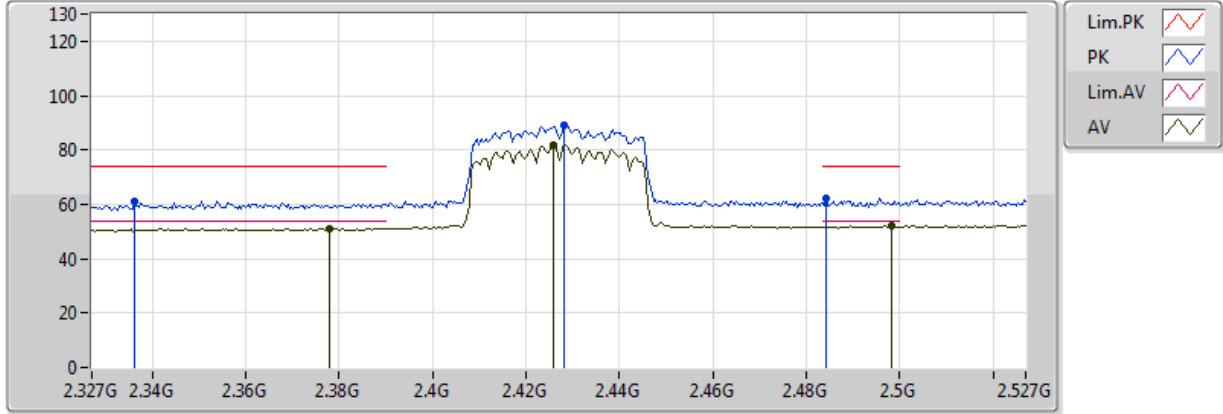
Lim.PK	
PK	
Lim.AV	
AV	

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	4.83416G	37.01	54.00	-16.99	6.34	3	Horizontal	136	2.34	-	30.67	31.23	10.29	35.18
PK	4.8366G	44.93	74.00	-29.07	6.35	3	Horizontal	136	2.34	-	38.58	31.24	10.29	35.18

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

13/03/2018

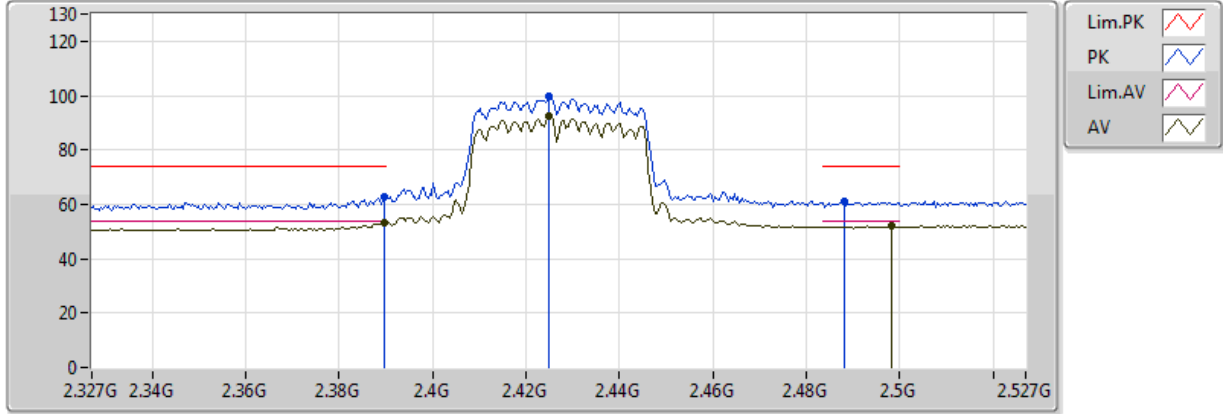


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3778G	51.24	54.00	-2.76	34.87	3	Vertical	10	1.01	-	16.37	26.96	7.91	-
AV	2.4258G	82.07	Inf	-Inf	35.09	3	Vertical	10	1.01	-	46.98	27.09	8.00	-
AV	2.4982G	52.00	54.00	-2.00	35.43	3	Vertical	10	1.01	-	16.57	27.29	8.14	-
PK	2.3362G	61.06	74.00	-12.94	34.67	3	Vertical	10	1.01	-	26.39	26.84	7.83	-
PK	2.4282G	89.02	Inf	-Inf	35.10	3	Vertical	10	1.01	-	53.92	27.10	8.00	-
PK	2.4842G	61.96	74.00	-12.04	35.37	3	Vertical	10	1.01	-	26.59	27.26	8.11	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

13/03/2018

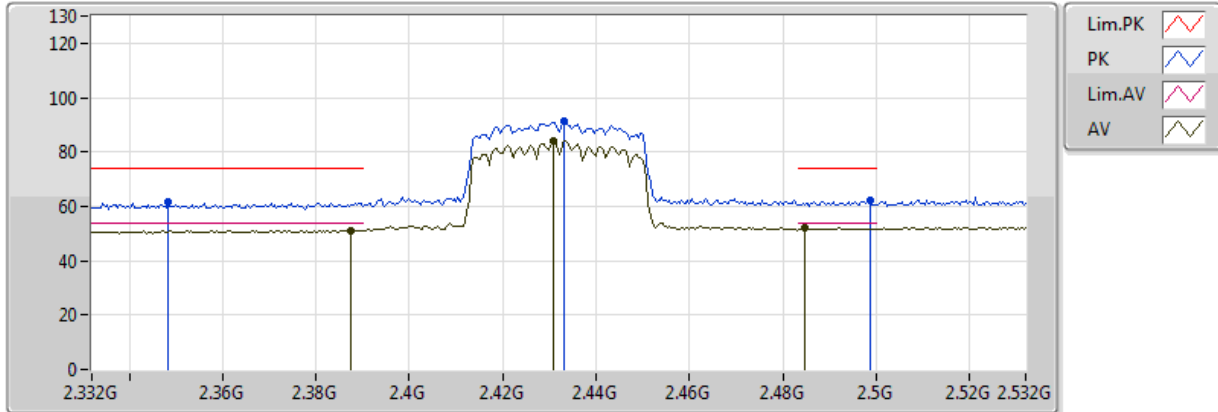


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.31	54.00	-0.69	34.92	3	Horizontal	251	1.00	-	18.39	26.99	7.93	-
AV	2.425G	92.61	Inf	-Inf	35.09	3	Horizontal	251	1.00	-	57.52	27.09	8.00	-
AV	2.4982G	51.94	54.00	-2.06	35.43	3	Horizontal	251	1.00	-	16.51	27.29	8.14	-
PK	2.3898G	62.70	74.00	-11.30	34.92	3	Horizontal	251	1.00	-	27.78	26.99	7.93	-
PK	2.425G	99.70	Inf	-Inf	35.09	3	Horizontal	251	1.00	-	64.61	27.09	8.00	-
PK	2.4882G	61.18	74.00	-12.82	35.39	3	Horizontal	251	1.00	-	25.79	27.27	8.12	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

13/03/2018

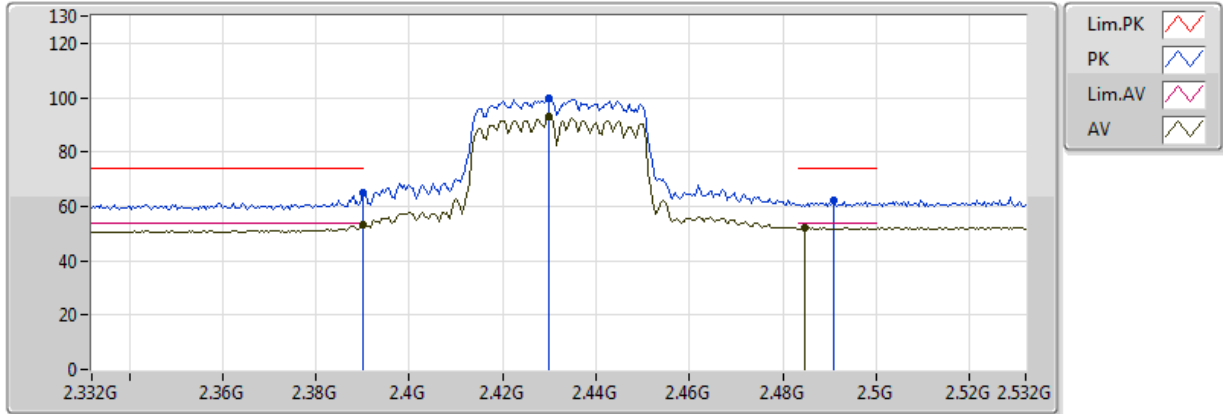


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3876G	51.26	54.00	-2.74	34.92	3	Vertical	11	1.01	-	16.34	26.99	7.93	-
AV	2.4308G	84.16	Inf	-Inf	35.11	3	Vertical	11	1.01	-	49.05	27.11	8.01	-
AV	2.4848G	51.99	54.00	-2.01	35.37	3	Vertical	11	1.01	-	16.62	27.26	8.11	-
PK	2.3484G	61.39	74.00	-12.61	34.73	3	Vertical	11	1.01	-	26.66	26.88	7.85	-
PK	2.4332G	91.08	Inf	-Inf	35.13	3	Vertical	11	1.01	-	55.95	27.11	8.01	-
PK	2.4988G	61.97	74.00	-12.03	35.44	3	Vertical	11	1.01	-	26.53	27.30	8.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

13/03/2018



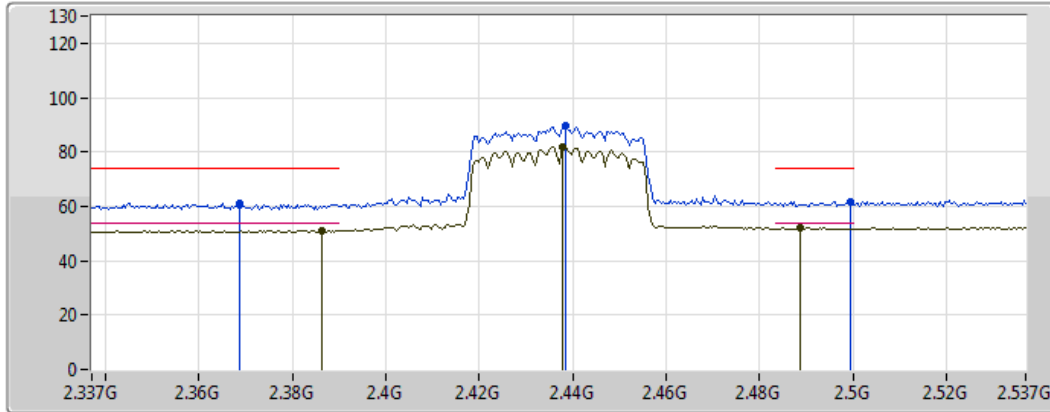
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	53.46	54.00	-0.54	34.92	3	Horizontal	247	1.01	-	18.54	26.99	7.93	-
AV	2.43G	93.11	Inf	-Inf	35.11	3	Horizontal	247	1.01	-	58.00	27.10	8.01	-
AV	2.4848G	52.07	54.00	-1.93	35.37	3	Horizontal	247	1.01	-	16.70	27.26	8.11	-
PK	2.389998G	64.87	74.00	-9.13	34.92	3	Horizontal	247	1.01	-	29.95	26.99	7.93	-
PK	2.43G	99.86	Inf	-Inf	35.11	3	Horizontal	247	1.01	-	64.75	27.10	8.01	-
PK	2.4908G	61.94	74.00	-12.06	35.39	3	Horizontal	247	1.01	-	26.55	27.27	8.12	-



802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2018

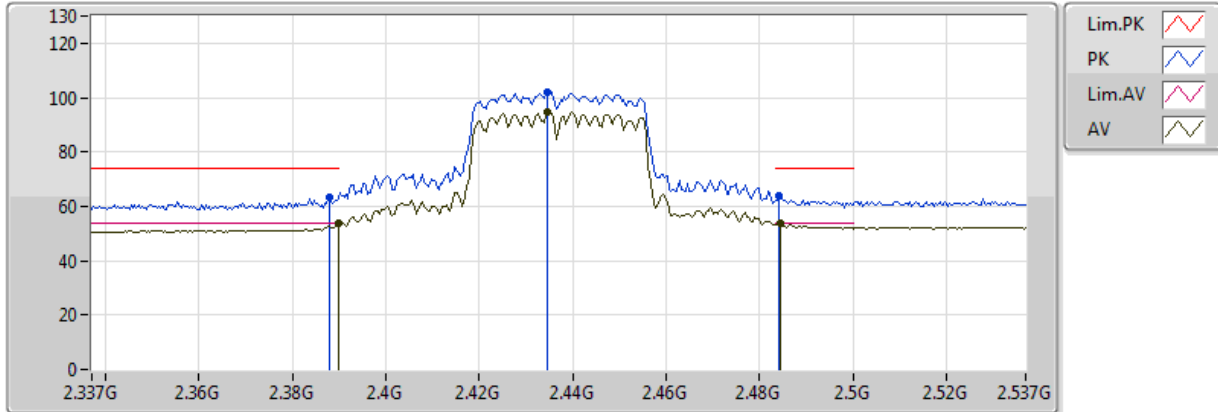


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	51.15	54.00	-2.85	34.90	3	Vertical	58	1.01	-	16.25	26.98	7.92	-
AV	2.4378G	81.99	Inf	-Inf	35.15	3	Vertical	58	1.01	-	46.84	27.13	8.02	-
AV	2.4886G	52.11	54.00	-1.89	35.39	3	Vertical	58	1.01	-	16.72	27.27	8.12	-
PK	2.3686G	61.20	74.00	-12.80	34.82	3	Vertical	58	1.01	-	26.38	26.93	7.89	-
PK	2.4386G	89.51	Inf	-Inf	35.15	3	Vertical	58	1.01	-	54.36	27.13	8.02	-
PK	2.4994G	61.78	74.00	-12.22	35.44	3	Vertical	58	1.01	-	26.34	27.30	8.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2018

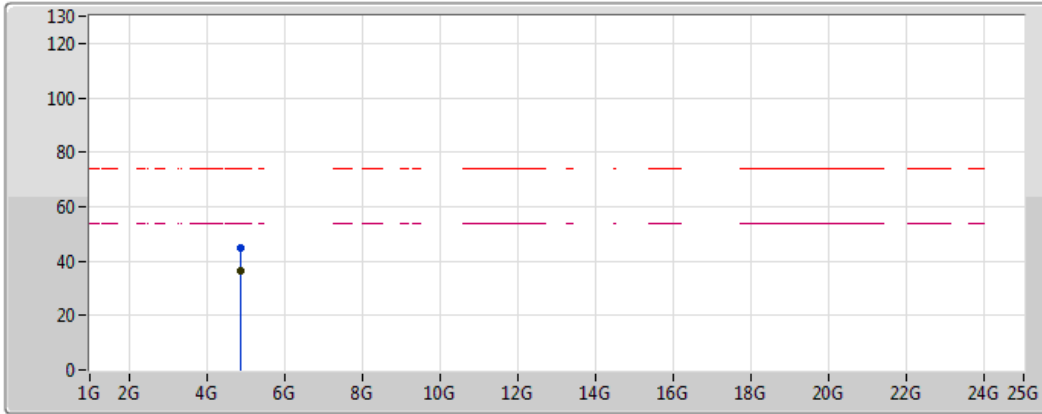






Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.85	54.00	-0.15	34.92	3	Horizontal	250	1.02	-	18.93	26.99	7.93	-
AV	2.4346G	94.81	Inf	-Inf	35.13	3	Horizontal	250	1.02	-	59.68	27.12	8.02	-
AV	2.4846G	53.60	54.00	-0.40	35.37	3	Horizontal	250	1.02	-	18.23	27.26	8.11	-
PK	2.3878G	63.48	74.00	-10.52	34.92	3	Horizontal	250	1.02	-	28.56	26.99	7.93	-
PK	2.4346G	101.92	Inf	-Inf	35.13	3	Horizontal	250	1.02	-	66.79	27.12	8.02	-
PK	2.4842G	63.67	74.00	-10.33	35.37	3	Horizontal	250	1.02	-	28.30	27.26	8.11	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2018



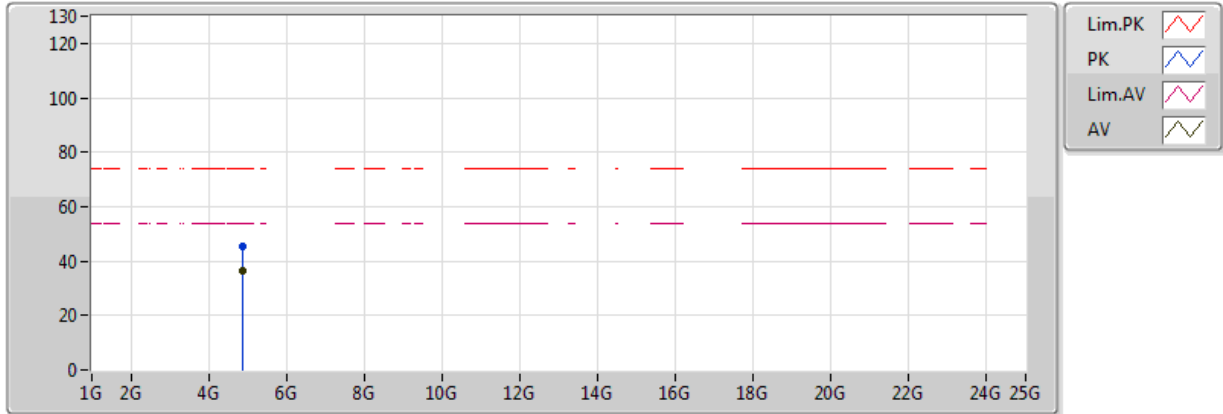
Lim.PK	
PK	
Lim.AV	
AV	

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	4.87312G	36.54	54.00	-17.46	6.42	3	Vertical	271	1.44	-	30.12	31.30	10.32	35.19
PK	4.8704G	44.58	74.00	-29.42	6.42	3	Vertical	271	1.44	-	38.16	31.29	10.32	35.19

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2018

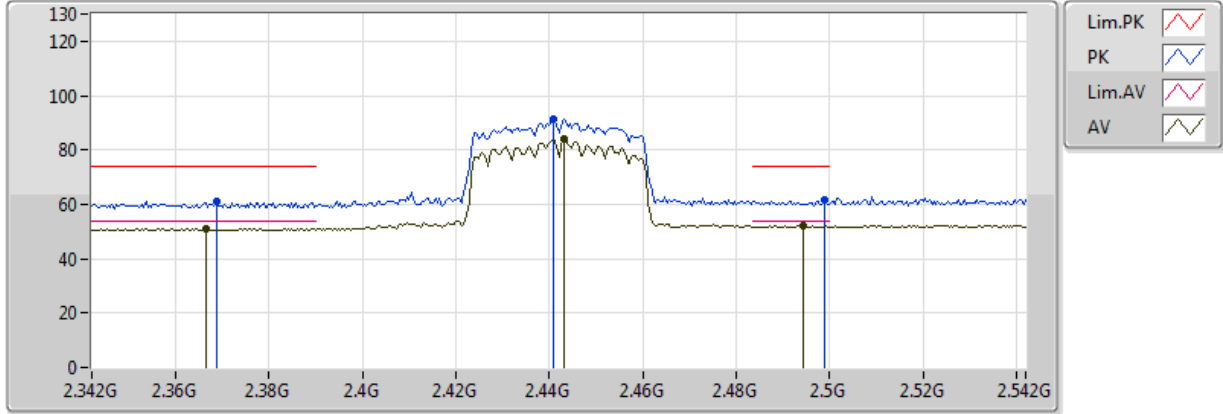


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87984G	36.68	54.00	-17.32	6.44	3	Horizontal	19	2.19	-	30.24	31.31	10.32	35.19
PK	4.86612G	45.55	74.00	-28.45	6.41	3	Horizontal	19	2.19	-	39.14	31.29	10.31	35.19

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

13/03/2018

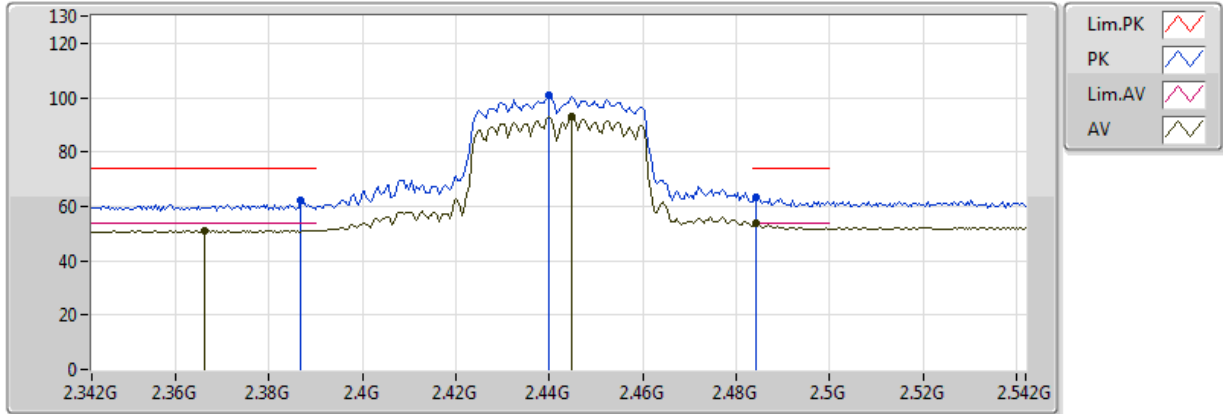


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3664G	51.10	54.00	-2.90	34.82	3	Vertical	57	1.00	-	16.28	26.93	7.89	-
AV	2.4432G	83.98	Inf	-Inf	35.17	3	Vertical	57	1.00	-	48.81	27.14	8.03	-
AV	2.4944G	52.05	54.00	-1.95	35.41	3	Vertical	57	1.00	-	16.64	27.28	8.13	-
PK	2.3688G	61.08	74.00	-12.92	34.82	3	Vertical	57	1.00	-	26.26	26.93	7.89	-
PK	2.4408G	91.52	Inf	-Inf	35.16	3	Vertical	57	1.00	-	56.36	27.13	8.03	-
PK	2.4988G	61.44	74.00	-12.56	35.44	3	Vertical	57	1.00	-	26.00	27.30	8.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

13/03/2018

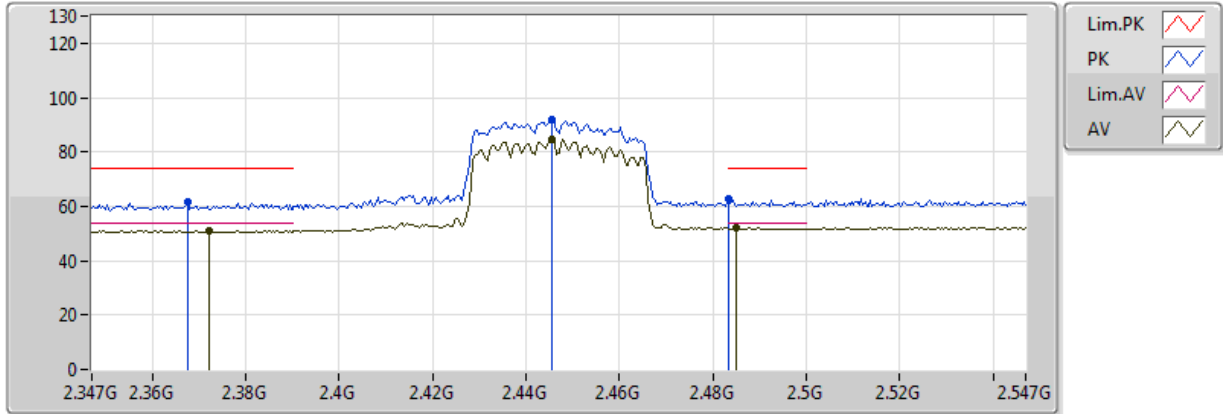


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.366G	51.22	54.00	-2.78	34.81	3	Horizontal	246	1.15	-	16.41	26.92	7.89	-
AV	2.4448G	92.79	Inf	-Inf	35.18	3	Horizontal	246	1.15	-	57.61	27.15	8.04	-
AV	2.4844G	53.77	54.00	-0.23	35.37	3	Horizontal	246	1.15	-	18.40	27.26	8.11	-
PK	2.3868G	62.41	74.00	-11.59	34.90	3	Horizontal	246	1.15	-	27.51	26.98	7.92	-
PK	2.44G	100.61	Inf	-Inf	35.16	3	Horizontal	246	1.15	-	65.45	27.13	8.03	-
PK	2.4844G	63.41	74.00	-10.59	35.37	3	Horizontal	246	1.15	-	28.04	27.26	8.11	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

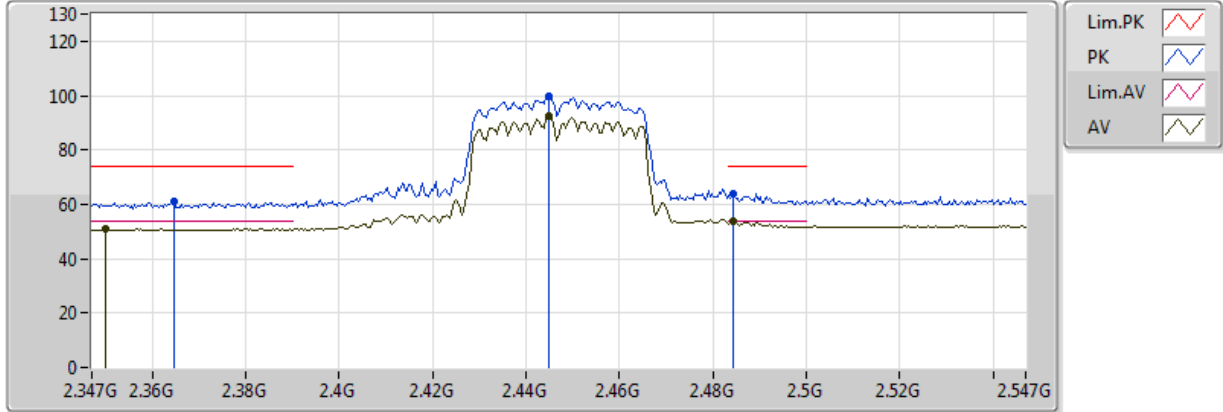
13/03/2018



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	2.3722G	51.03	54.00	-2.97	34.84	3	Vertical	224	2.99	-	16.19	26.94	7.90	-
AV	2.4454G	84.63	Inf	-Inf	35.18	3	Vertical	224	2.99	-	49.45	27.15	8.04	-
AV	2.485G	51.97	54.00	-2.03	35.37	3	Vertical	224	2.99	-	16.60	27.26	8.11	-
PK	2.3674G	61.44	74.00	-12.56	34.82	3	Vertical	224	2.99	-	26.62	26.93	7.89	-
PK	2.4454G	91.82	Inf	-Inf	35.18	3	Vertical	224	2.99	-	56.64	27.15	8.04	-
PK	2.483502G	62.58	74.00	-11.42	35.36	3	Vertical	224	2.99	-	27.22	27.25	8.11	-

**802.11n HT40_Nss1,(MCS0)_2TX
2447MHz_TX**

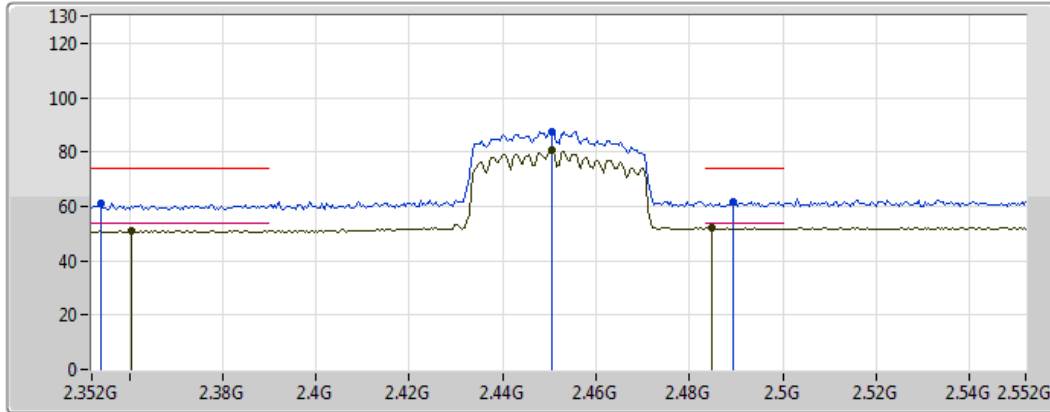
13/03/2018







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	2.3498G	51.06	54.00	-2.94	34.73	3	Horizontal	248	1.09	-	16.33	26.88	7.85	-
AV	2.445G	92.24	Inf	-Inf	35.18	3	Horizontal	248	1.09	-	57.06	27.15	8.04	-
AV	2.4842G	53.84	54.00	-0.16	35.37	3	Horizontal	248	1.09	-	18.47	27.26	8.11	-
PK	2.3646G	60.96	74.00	-13.04	34.80	3	Horizontal	248	1.09	-	26.16	26.92	7.88	-
PK	2.445G	99.86	Inf	-Inf	35.18	3	Horizontal	248	1.09	-	64.68	27.15	8.04	-
PK	2.4842G	63.85	74.00	-10.15	35.37	3	Horizontal	248	1.09	-	28.48	27.26	8.11	-

**802.11n HT40_Nss1,(MCS0)_2TX
2452MHz_TX**

13/03/2018



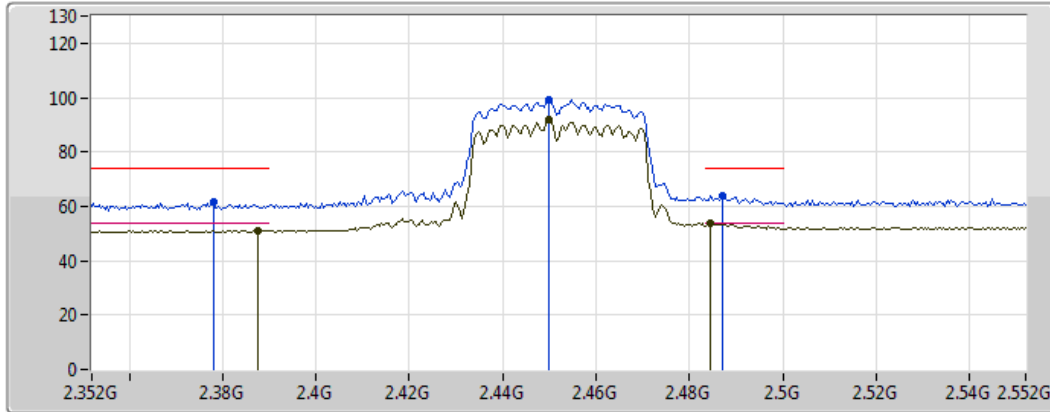
Legend for the spectrum plot:

- 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	2.3604G	51.05	54.00	-2.95	34.78	3	Vertical	223	2.94	-	16.27	26.91	7.87	-
AV	2.4504G	80.84	Inf	-Inf	35.21	3	Vertical	223	2.94	-	45.63	27.16	8.05	-
AV	2.4848G	52.05	54.00	-1.95	35.37	3	Vertical	223	2.94	-	16.68	27.26	8.11	-
PK	2.354G	60.89	74.00	-13.11	34.75	3	Vertical	223	2.94	-	26.14	26.89	7.86	-
PK	2.4504G	87.65	Inf	-Inf	35.21	3	Vertical	223	2.94	-	52.44	27.16	8.05	-
PK	2.4892G	61.72	74.00	-12.28	35.39	3	Vertical	223	2.94	-	26.33	27.27	8.12	-

**802.11n HT40_Nss1,(MCS0)_2TX
2452MHz_TX**

13/03/2018



Legend for the spectrum plot:

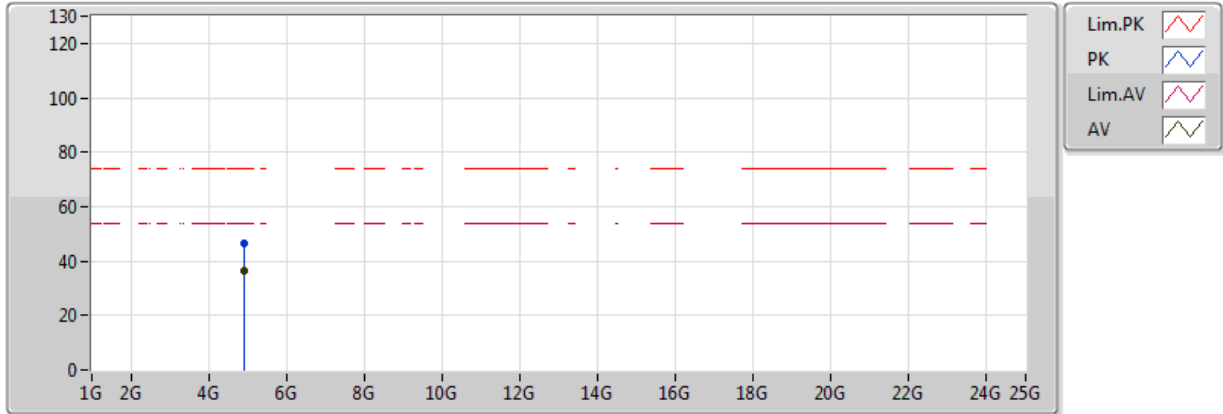
- Lim.PK 
- PK 
- Lim.AV 
- AV 

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	2.3876G	51.14	54.00	-2.86	34.92	3	Horizontal	246	1.00	-	16.22	26.99	7.93	-
AV	2.45G	91.66	Inf	-Inf	35.20	3	Horizontal	246	1.00	-	56.45	27.16	8.04	-
AV	2.4844G	53.58	54.00	-0.42	35.37	3	Horizontal	246	1.00	-	18.21	27.26	8.11	-
PK	2.378G	61.39	74.00	-12.61	34.87	3	Horizontal	246	1.00	-	26.52	26.96	7.91	-
PK	2.45G	99.16	Inf	-Inf	35.20	3	Horizontal	246	1.00	-	63.95	27.16	8.04	-
PK	2.4872G	63.85	74.00	-10.15	35.38	3	Horizontal	246	1.00	-	28.47	27.26	8.12	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

13/03/2018

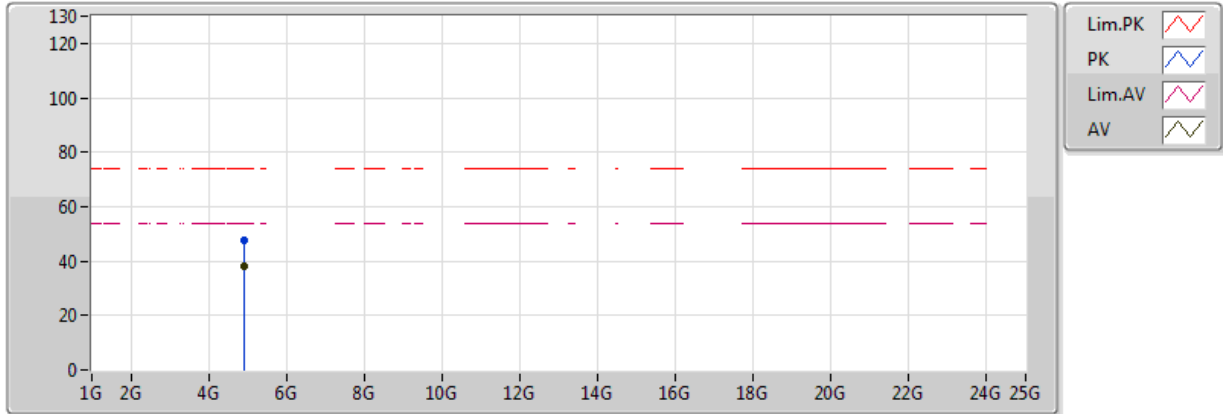


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90398G	36.63	54.00	-17.37	6.47	3	Vertical	237	2.50	-	30.16	31.33	10.34	35.20
PK	4.90396G	46.60	74.00	-27.40	6.49	3	Vertical	237	2.50	-	40.11	31.34	10.34	35.20

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

13/03/2018



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	4.89816G	38.38	54.00	-15.62	6.48	3	Horizontal	136	1.50	-	31.90	31.34	10.34	35.20
PK	4.89608G	47.69	74.00	-26.31	6.47	3	Horizontal	136	1.50	-	41.22	31.33	10.34	35.20