



FCC Test Report

FCC ID : RWO-RZ350259
Equipment : Smartphone
Brand Name : RAZER
Model Name : RZ35-0259
Applicant : Razer Inc.
201 3rd Street, Suite 900, San Francisco,
CA 94103, USA
Manufacturer : Razer Inc.
201 3rd Street, Suite 900, San Francisco,
CA 94103, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 11, 2017, and testing was started from Sep. 06, 2018 and completed on Sep. 11, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	8
1.3 Testing Location Information	8
1.4 Measurement Uncertainty	8
2 TEST CONFIGURATION OF EUT.....	9
2.1 Test Condition	9
2.2 Test Channel Mode	9
2.3 The Worst Case Measurement Configuration.....	10
2.4 Accessories	11
2.5 Support Equipment.....	11
2.6 Test Setup Diagram	12
3 TRANSMITTER TEST RESULT	14
3.1 AC Power-line Conducted Emissions	14
3.2 DTS Bandwidth.....	15
3.3 Maximum Conducted Output Power	16
3.4 Power Spectral Density	18
3.5 Emissions in Non-restricted Frequency Bands	19
3.6 Emissions in Restricted Frequency Bands.....	20
4 TEST EQUIPMENT AND CALIBRATION DATA	23
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 RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX H. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR871722AC	01	Initial issue of report	Sep. 28, 2018

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: Jackson Tsai

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX / 2TX
2.4-2.4835GHz	802.11g	20	1TX / 2TX
2.4-2.4835GHz	802.11n HT20	20	1TX / 2TX
2.4-2.4835GHz	802.11n HT40	40	1TX / 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.	Port	Brand	Model Name	Antenna Type	Connector
1	1	-	-	PIFA Antenna	mini Murata
2	2	-	-	PIFA Antenna	mini Murata

Ant.	Port	Gain (dBi)					
		2.4G	Bluetooth	5G			
				UNII-1	UNII-2A	UNII-2C	UNII-3
1	1	1.4	1.4	-3.6	-2.5	-0.2	2.5
2	2	-1.7	-	-0.9	-0.8	0.3	-1.7

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

Support diversity function and pre-tested on each single chain(Maximum Conducted Output Power).

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

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

For BT function:

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

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

For 5GHz function:

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

Support diversity function and pre-tested on each single chain(Maximum Conducted Output Power).

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

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

1.1.3 EUT Information

Identify EUT				
SW		O-MRO-RC005-RZR		
Operational Condition				
EUT Power Type		From AC Adapter / Battery		
EUT Function		☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function		☐ With beamforming	☒ Without beamforming	
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:		...	
☐	Other:			

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.992	0.035	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.984	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT20	0.982	0.079	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT40	0.95	0.223	951.563u	3k

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 v05
- ◆ KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Barry	24.3°C / 63%	11/Sep/2018
Radiated	03CH02-HY	Kevin	23.5°C / 59%	06/Sep/2018
AC Conduction	CO04-HY	Terry	23.5°C / 59%	06/Sep/2018

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	3.7V

2.2 Test Channel Mode

Test Software	QRCT
---------------	------

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	11
2437MHz	11
2462MHz	11
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	12
2437MHz	12
2462MHz	12
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	12
2437MHz	12
2462MHz	12
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	12
2437MHz	12
2452MHz	12

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 Receiver Radiated Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	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
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA871722 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.4 Accessories

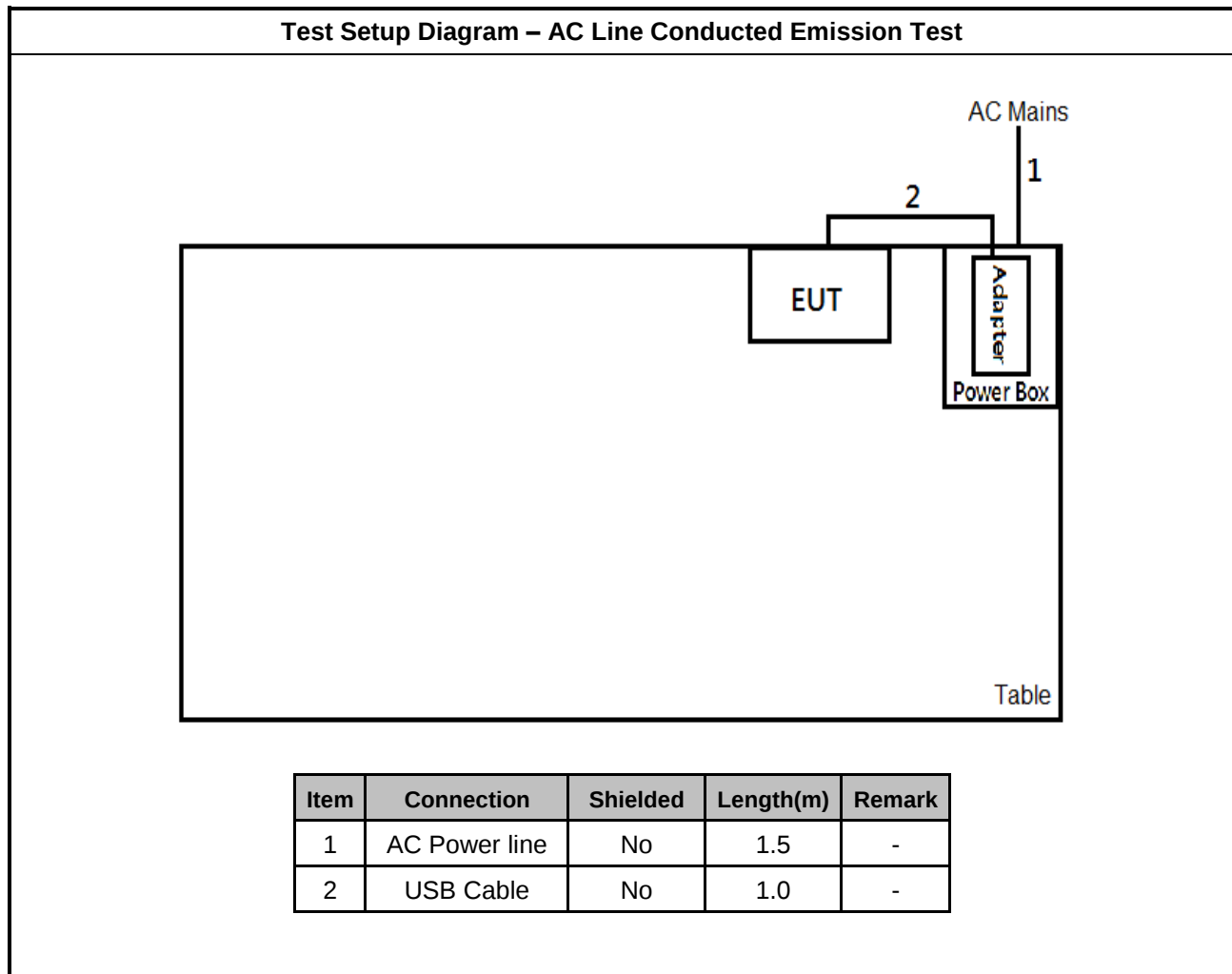
Accessories				
AC Adapter	Brand Name	Razer	Model Name	RC30-021501
	Power Rating	I/P: 100~240V,50/60Hz, 3A-5V, 2.67A-9V, 2.0A-12V		
Battery	Brand Name	Razer	Model Name	RC30-0259
	Power Rating	3.85 Vdc, 4000mAh	Type	Li-ion, Polymer
USB Cable	Brand Name	Razer	Model Name	RC30-02150705-0000
	Signal Line	1.0 meter, non-shielded cable, w/o ferrite core		
Audio Dongle	Brand Name	Razer	Model Name	RC30-02590400-0000
	Signal Line	0.10 meter, non-shielded cable, w/o ferrite core		

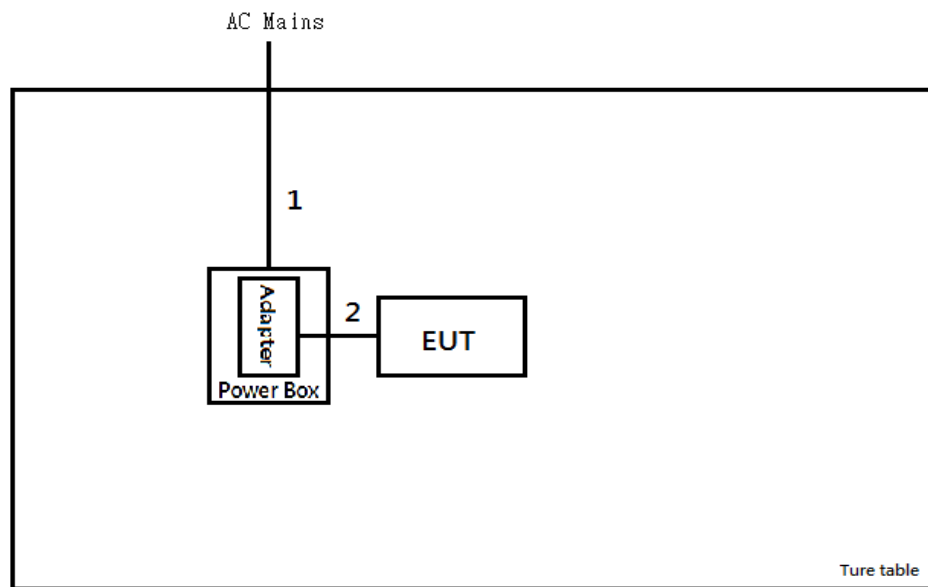
Reminder: Regarding to more detail and other information, please refer to user manual.

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
3	DC Power Supply	GW	GPS-3030DD	-

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	USB Cable	No	1.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

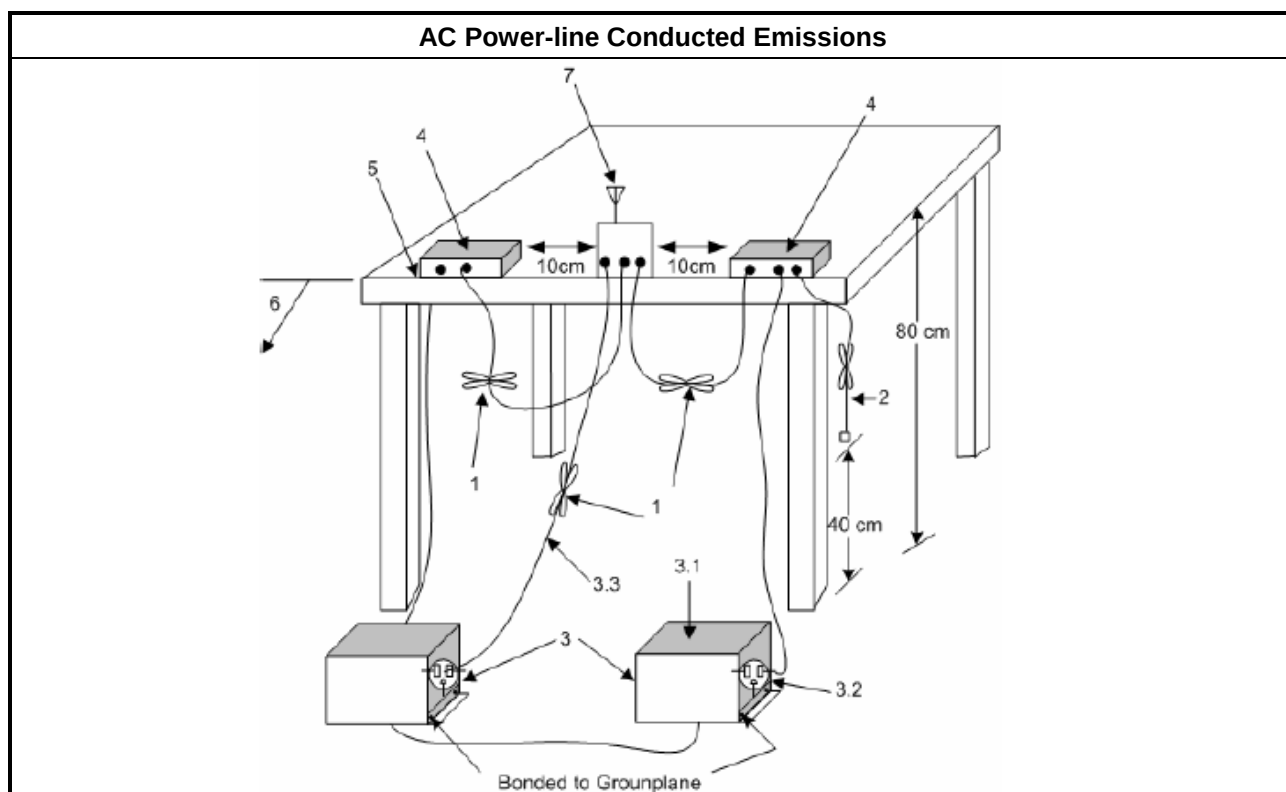
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

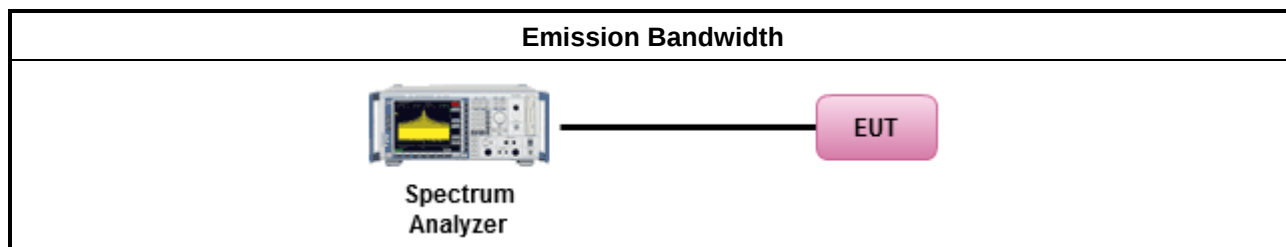
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.9.2.2 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for for occupied bandwidth testing.
☐	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		
	▪	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪	Smart antenna system (SAS):
	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:		
	▪	2400-2483.5 MHz Band
	▪	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	▪	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	▪	Smart antenna system (SAS)
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.		

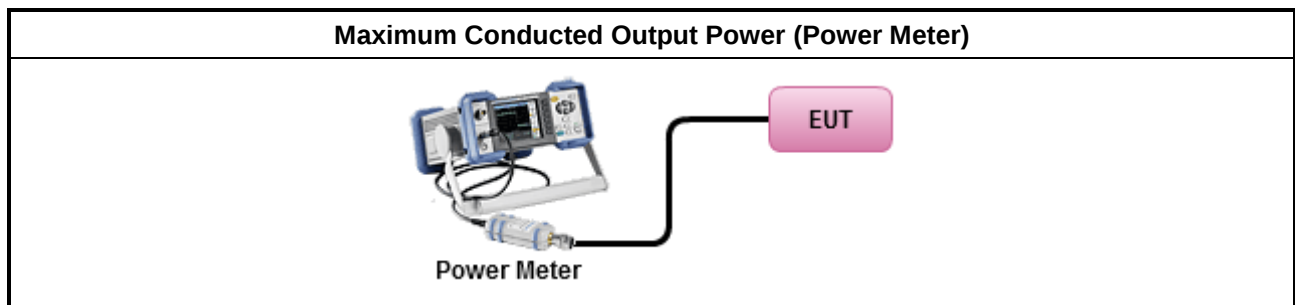
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☒	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (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	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

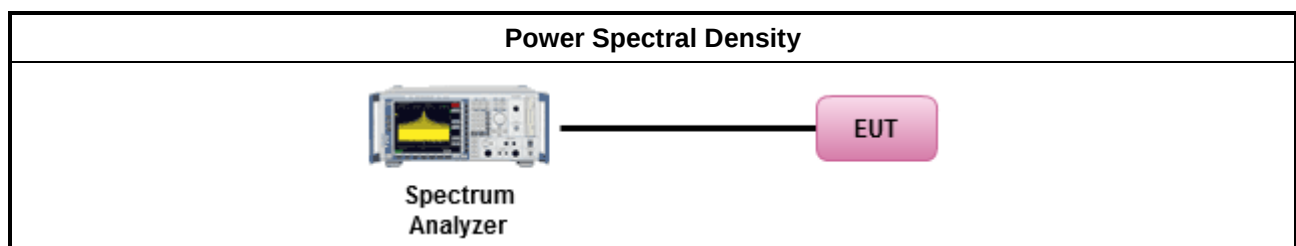
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	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).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

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.	

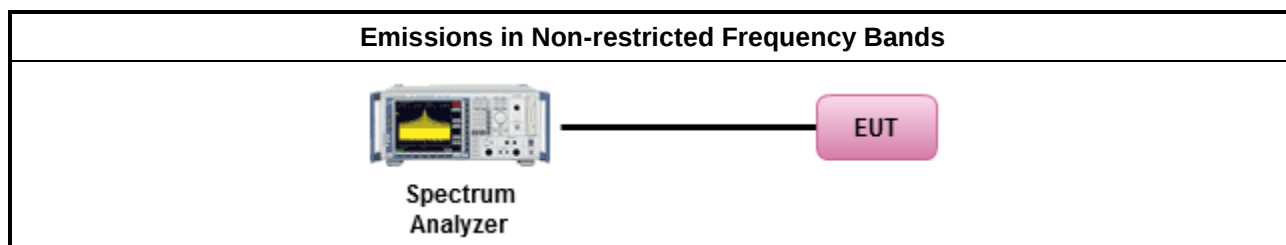
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency 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.

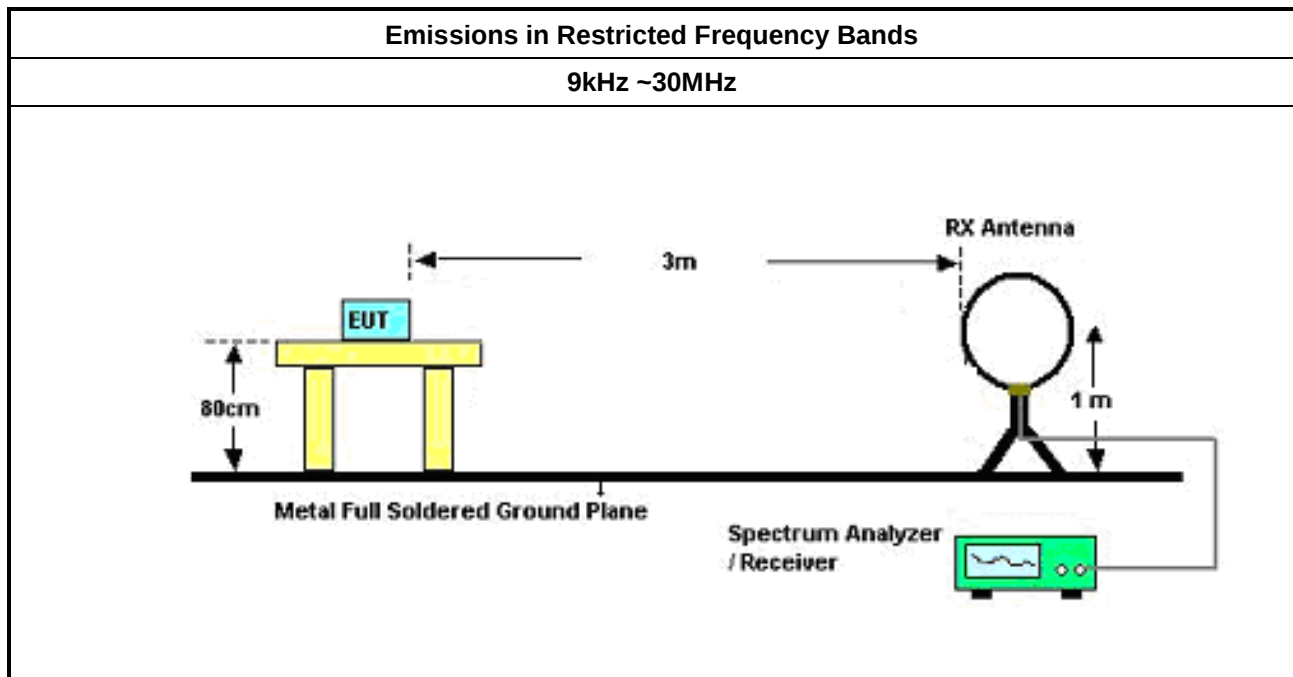
3.6.2 Measuring Instruments

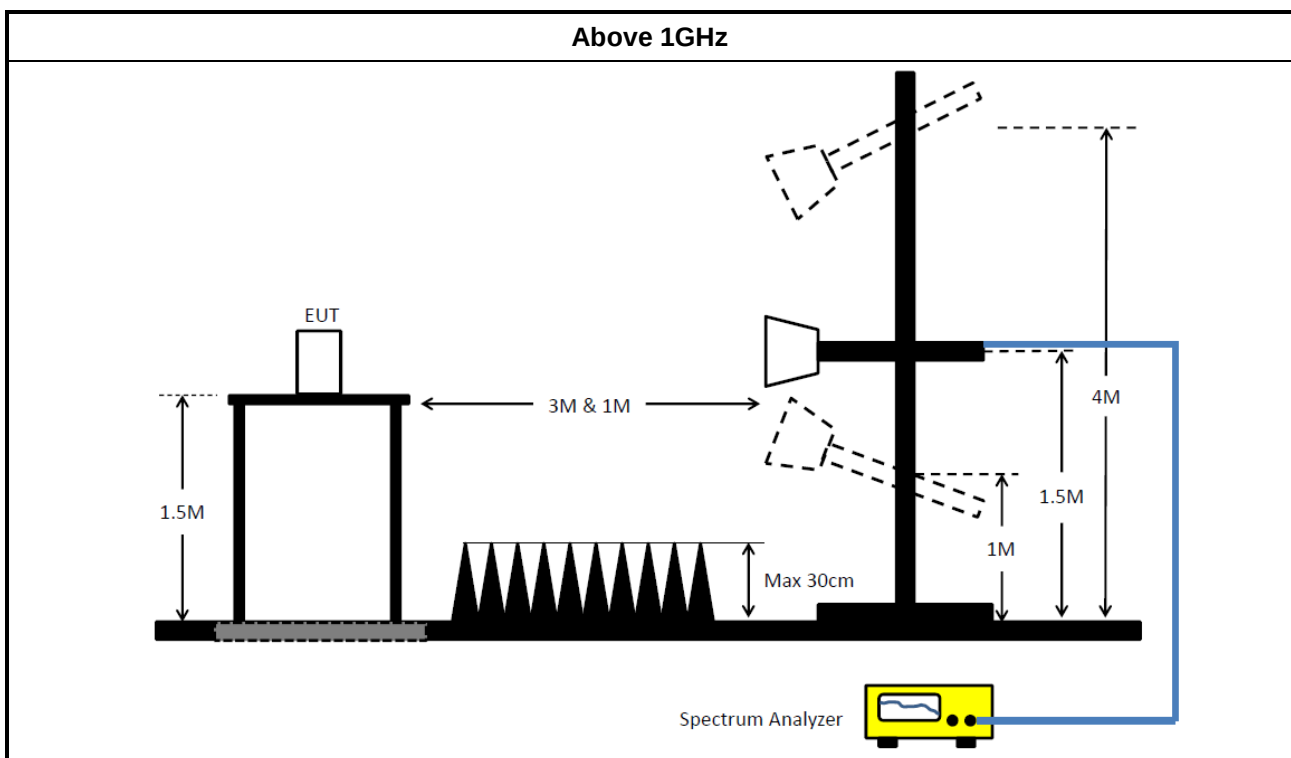
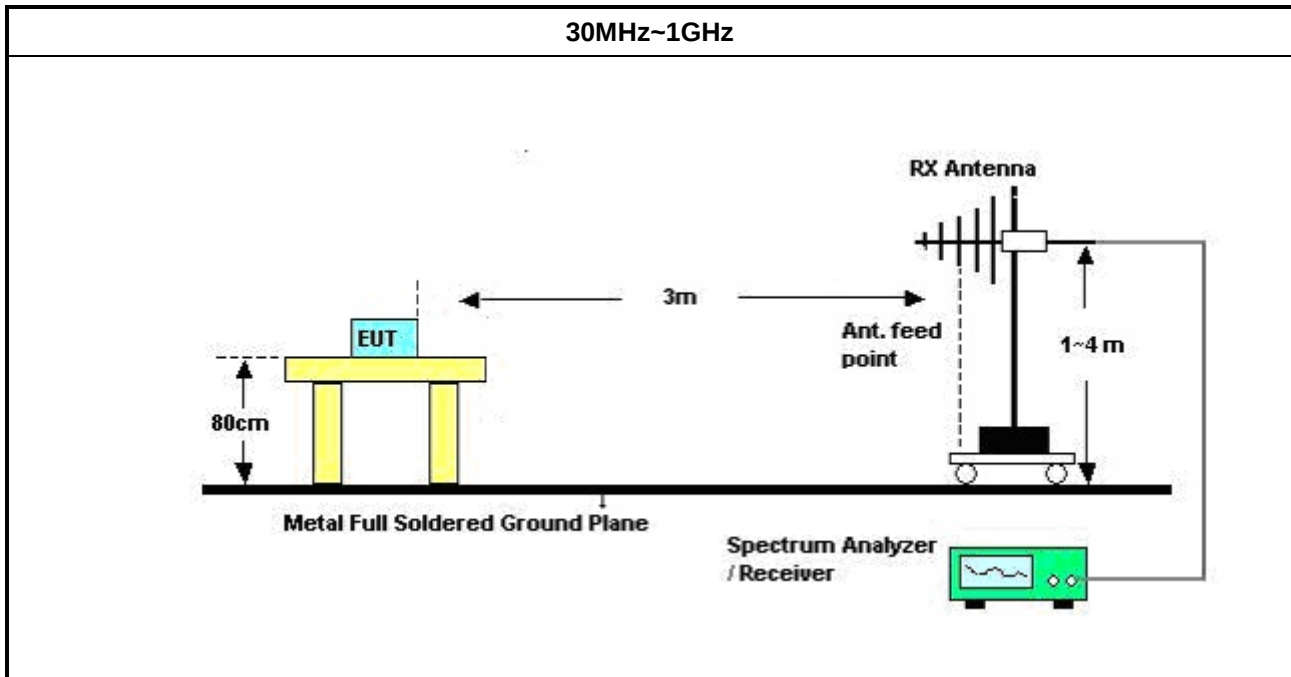
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
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.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, 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.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).

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	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
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

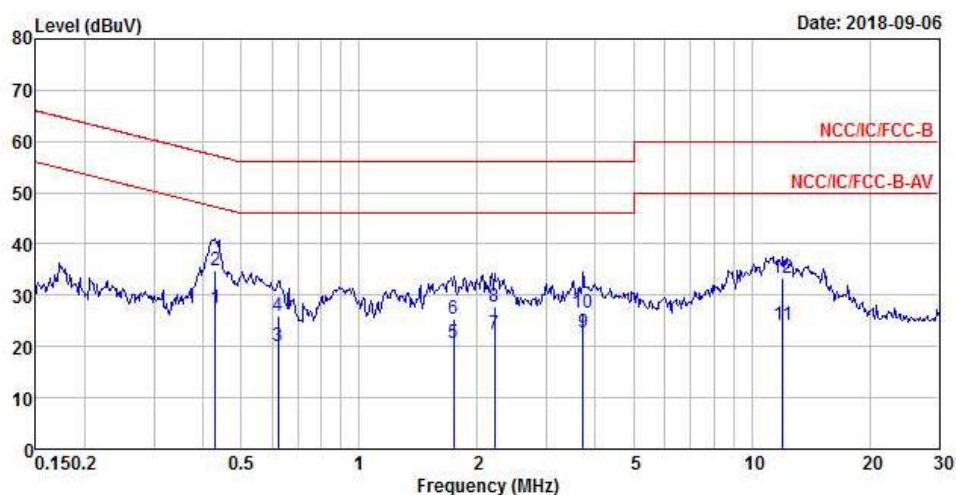
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	20/Oct/2017	19/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	27/Oct/2017	26/Oct/2018
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	28/Sep/2017	27/Sep/2018
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	12/Dec/2017	11/Dec/2018
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	2723	30MHz ~ 1GHz	09/Sep/2017	08/Sep/2018
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz ~ 40GHz	12/Mar/2018	11/Mar/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	11/May/2018	10/May/2019

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	04/Jan/2018	03/Jan/2019
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	23/Aug/2018	22/Aug/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	23/Aug/2018	22/Aug/2019
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	23/Aug/2018	22/Aug/2019
Signal Generator	R&S	SMR100A	175727	10kHz ~ 40GHz	26/Oct/2017	25/Oct/2018

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter Mode		



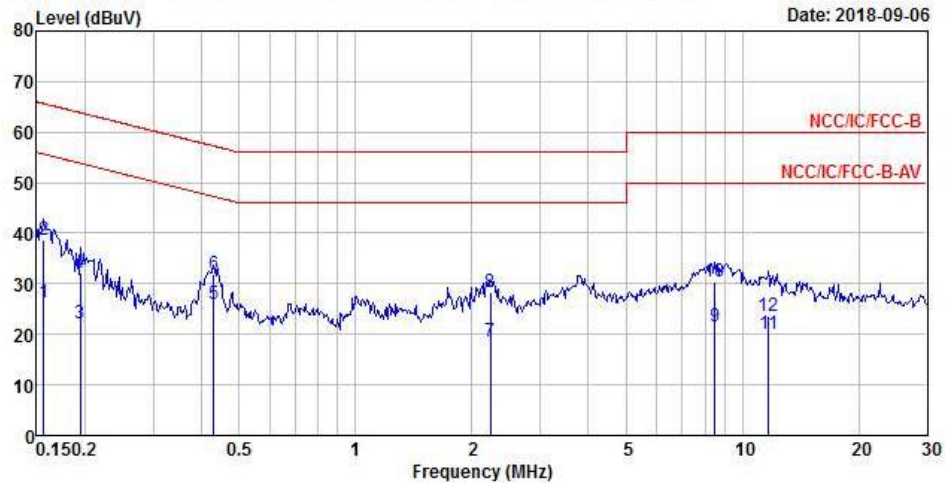
	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	MAX	0.43	27.38	-19.86	47.24	17.68	9.61	0.09 Average
2		0.43	34.72	-22.52	57.24	25.02	9.61	0.09 QP
3		0.62	20.19	-25.81	46.00	10.53	9.61	0.05 Average
4		0.62	26.02	-29.98	56.00	16.36	9.61	0.05 QP
5		1.74	20.61	-25.39	46.00	10.98	9.63	0.00 Average
6		1.74	25.37	-30.63	56.00	15.74	9.63	0.00 QP
7		2.21	22.48	-23.52	46.00	12.84	9.63	0.01 Average
8		2.21	27.81	-28.19	56.00	18.17	9.63	0.01 QP
9		3.72	22.65	-23.35	46.00	12.93	9.64	0.08 Average
10		3.72	26.46	-29.54	56.00	16.74	9.64	0.08 QP
11		12.00	24.27	-25.73	50.00	14.46	9.70	0.11 Average
12		12.00	33.27	-26.73	60.00	23.46	9.70	0.11 QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	26.33	-29.32	55.65	16.67	9.62	0.04	Average
2	0.16	38.82	-26.83	65.65	29.16	9.62	0.04	QP
3	0.19	22.04	-31.80	53.84	12.42	9.62	0.00	Average
4	0.19	32.22	-31.62	63.84	22.60	9.62	0.00	QP
5 MAX	0.43	25.92	-21.32	47.24	16.22	9.61	0.09	Average
6	0.43	31.76	-25.48	57.24	22.06	9.61	0.09	QP
7	2.24	18.53	-27.47	46.00	8.90	9.62	0.01	Average
8	2.24	28.35	-27.65	56.00	18.72	9.62	0.01	QP
9	8.50	21.49	-28.51	50.00	11.66	9.65	0.18	Average
10	8.50	30.46	-29.54	60.00	20.63	9.65	0.18	QP
11	11.68	20.08	-29.92	50.00	10.31	9.65	0.12	Average
12	11.68	23.74	-36.26	60.00	13.97	9.65	0.12	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.05M	13.943M	13M9G1D	7.575M	13.693M
802.11g_Nss1,(6Mbps)_2TX	16.375M	16.592M	16M6D1D	16.3M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	17.575M	17.816M	17M8D1D	17.15M	17.716M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.382M	36M4D1D	35.7M	36.232M

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;

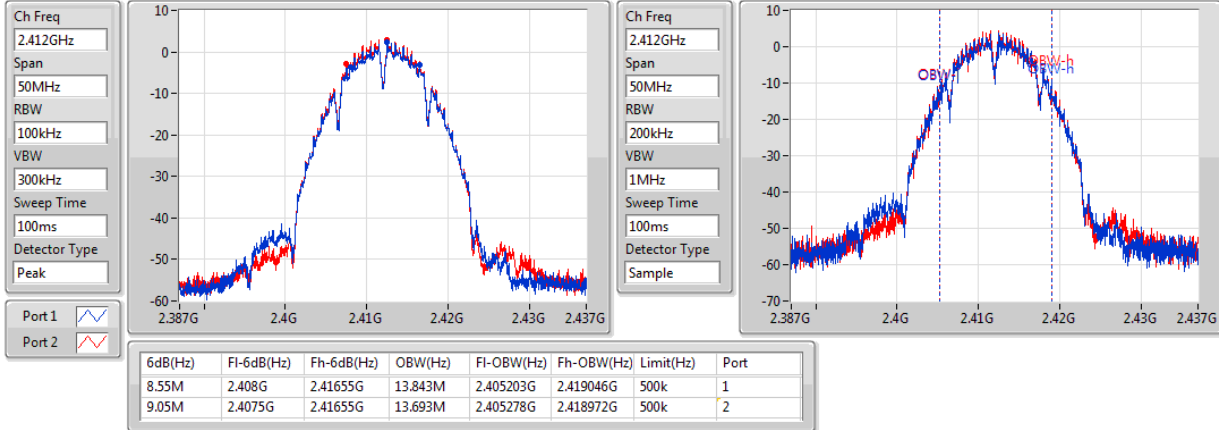
Result

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)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	8.55M	13.843M	9.05M	13.693M
2437MHz_TnomVnom	Pass	500k	8.55M	13.768M	9.025M	13.943M
2462MHz_TnomVnom	Pass	500k	7.575M	13.743M	8.1M	13.843M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.325M	16.592M	16.35M	16.517M
2437MHz_TnomVnom	Pass	500k	16.325M	16.567M	16.375M	16.542M
2462MHz_TnomVnom	Pass	500k	16.325M	16.542M	16.3M	16.592M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.575M	17.816M	17.55M	17.741M
2437MHz_TnomVnom	Pass	500k	17.175M	17.716M	17.575M	17.766M
2462MHz_TnomVnom	Pass	500k	17.15M	17.791M	17.175M	17.791M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	36.3M	36.232M	36.3M	36.232M
2437MHz_TnomVnom	Pass	500k	35.7M	36.282M	36.3M	36.332M
2452MHz_TnomVnom	Pass	500k	35.7M	36.382M	35.75M	36.232M

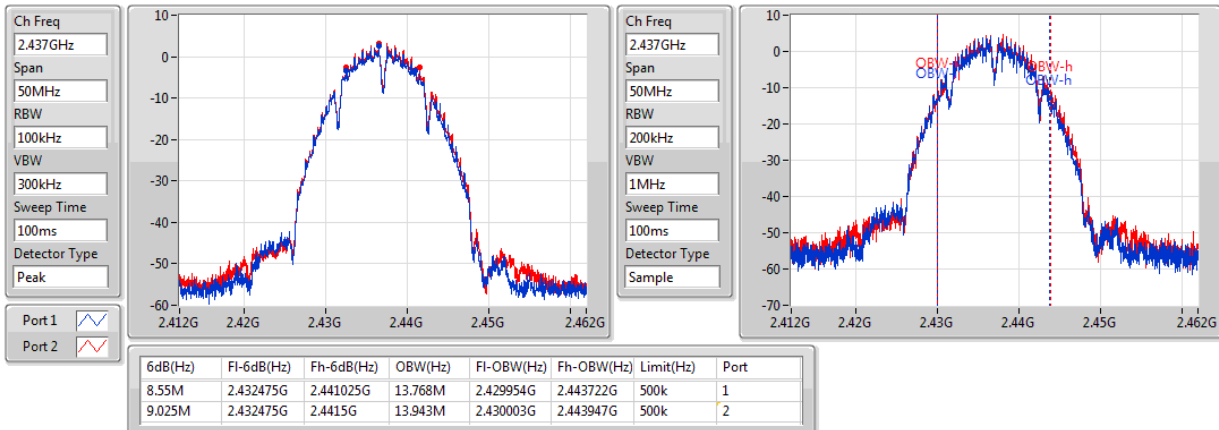
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

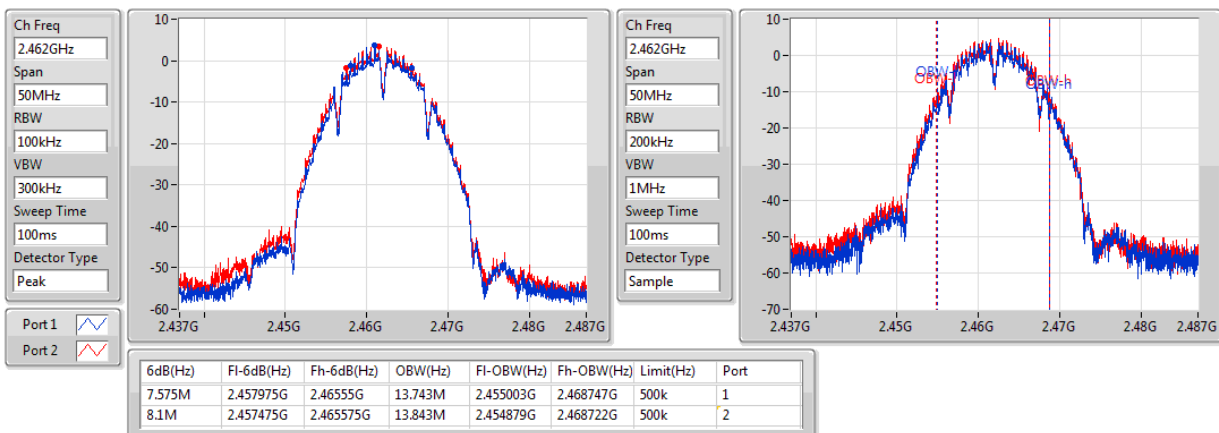
28/08/2018


802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

28/08/2018

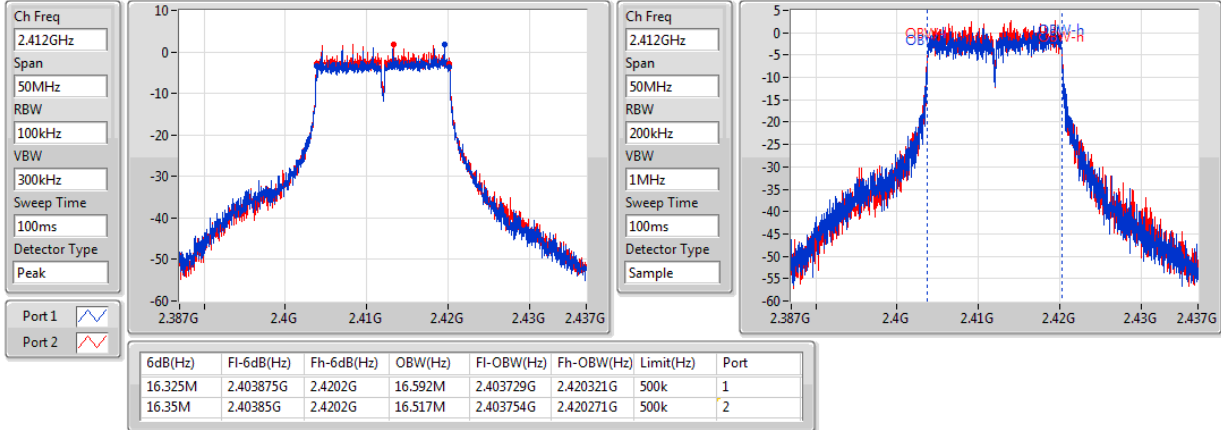

802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

28/08/2018

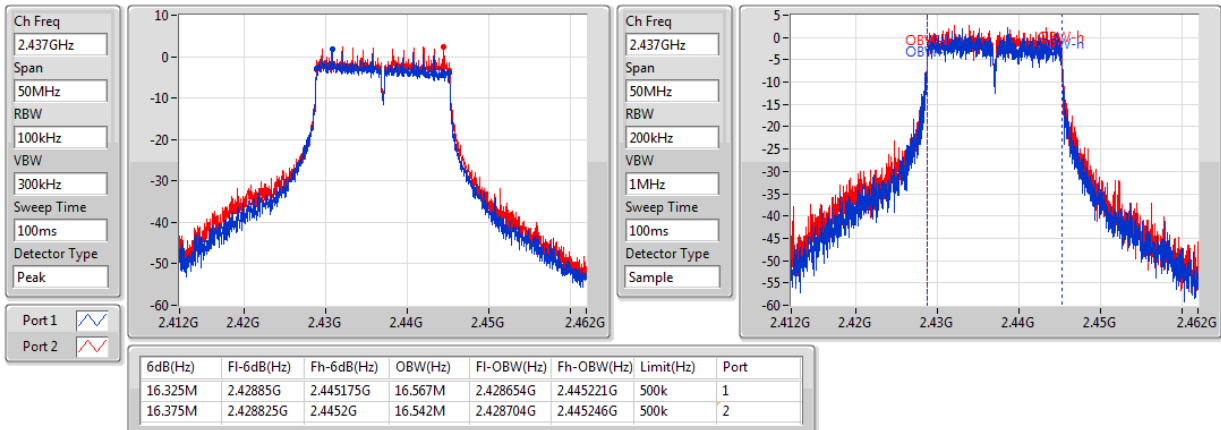


802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

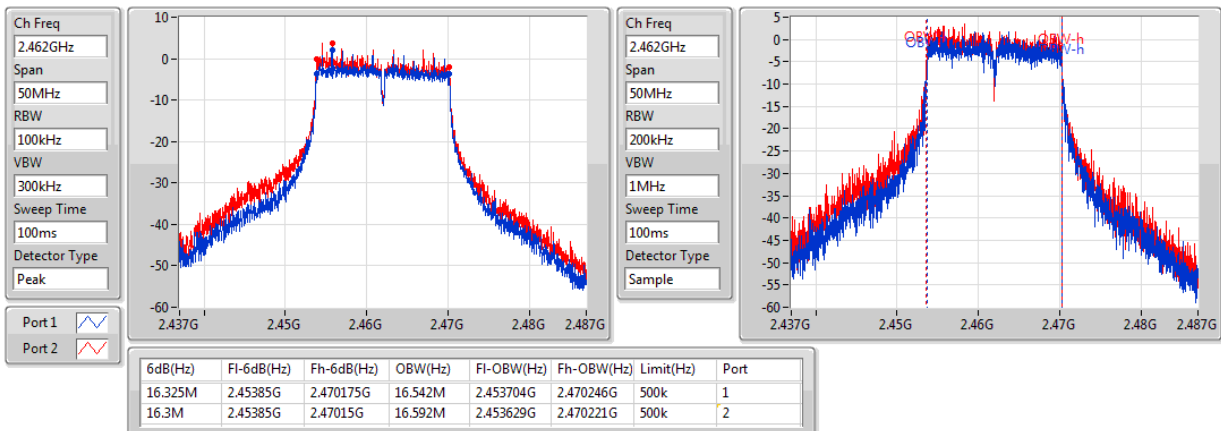
28/08/2018


802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

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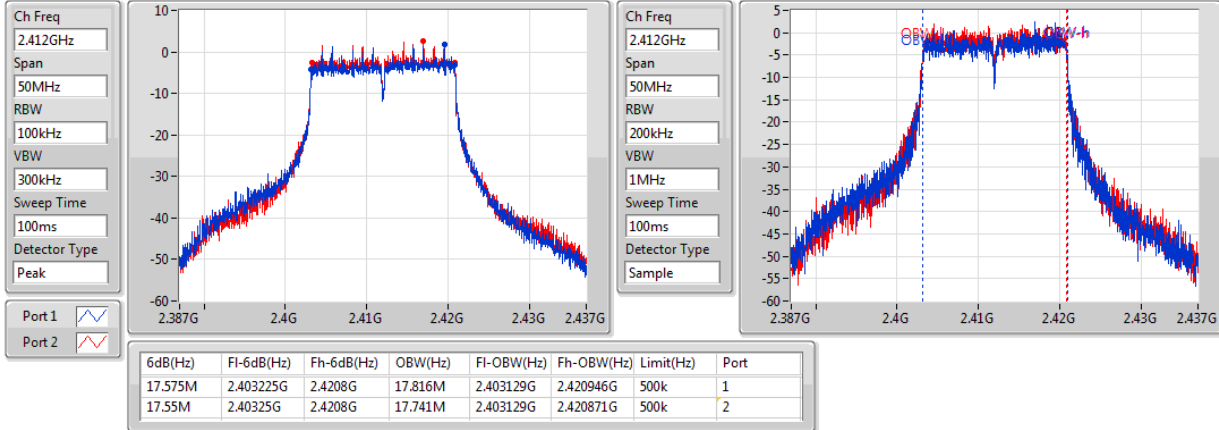

802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

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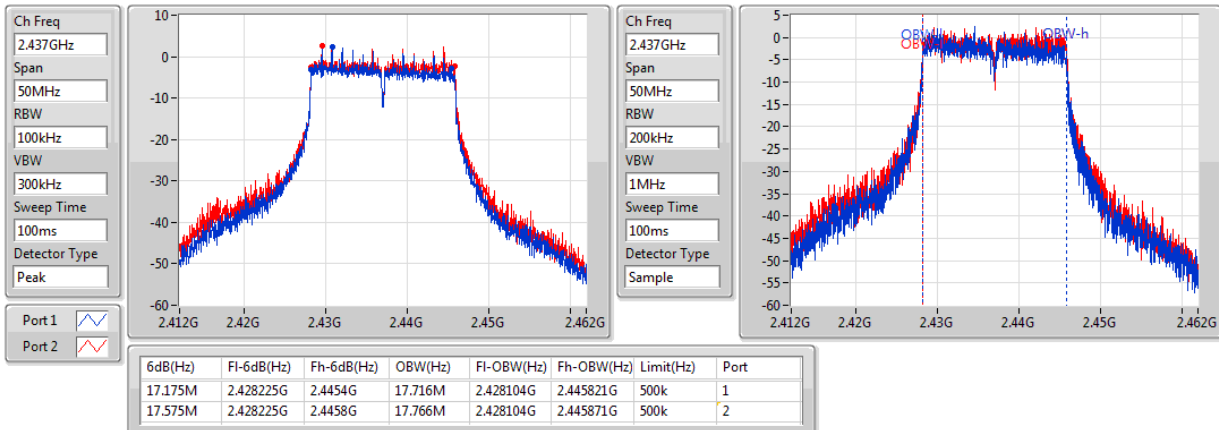


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

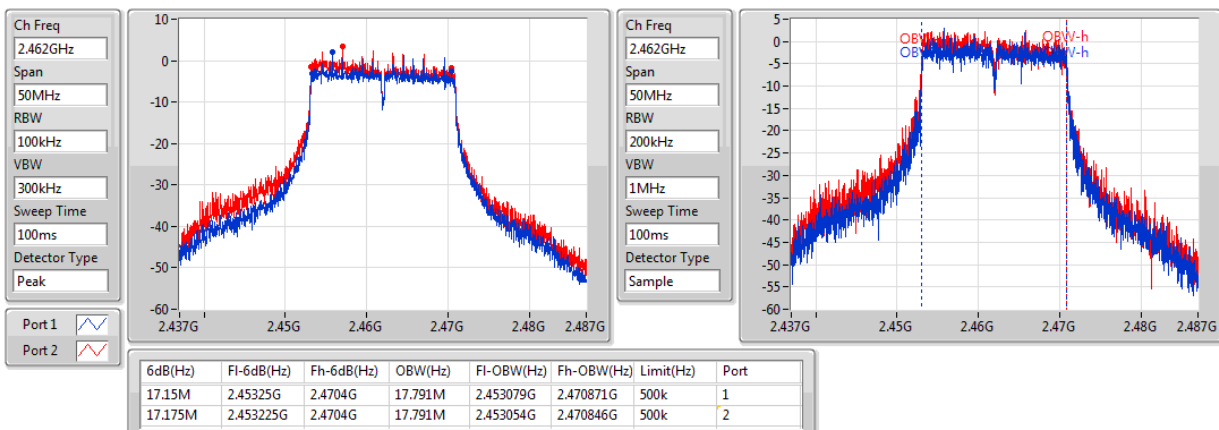
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802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

28/08/2018

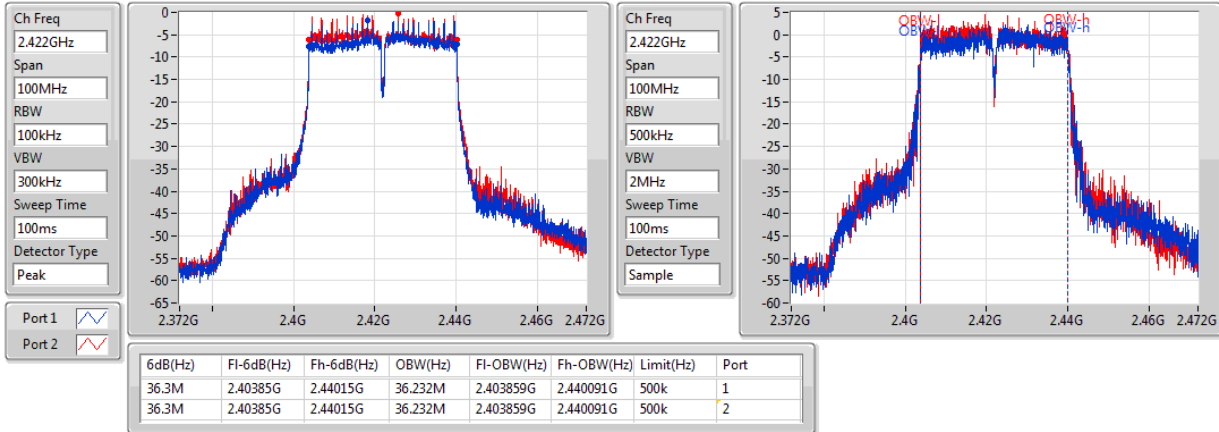

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

28/08/2018

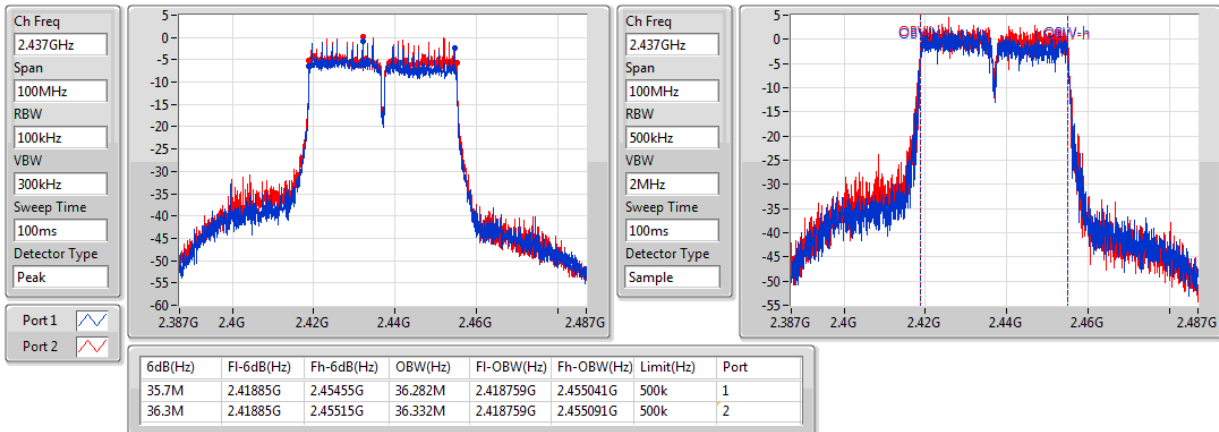


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

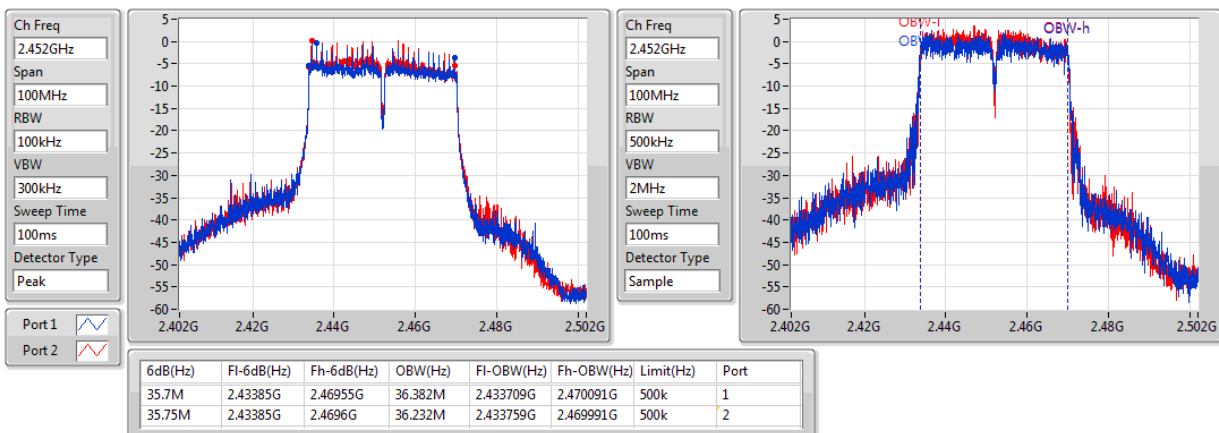
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802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

28/08/2018


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz

28/08/2018



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	14.18	0.02618
802.11g_Nss1,(6Mbps)_1TX(Port1)	22.58	0.18113
802.11n_HT20_Nss1,(MCS0)_1TX(Port1)	22.07	0.16106
802.11n_HT40_Nss1,(MCS0)_1TX(Port1)	22.17	0.16482

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.40	13.91	13.91	30.00
2437MHz_TnomVnom	Pass	1.40	14.18	14.18	30.00
2462MHz_TnomVnom	Pass	1.40	13.95	13.95	30.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.40	22.11	22.11	30.00
2437MHz_TnomVnom	Pass	1.40	22.50	22.50	30.00
2462MHz_TnomVnom	Pass	1.40	22.58	22.58	30.00
802.11n_HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.40	21.51	21.51	30.00
2437MHz_TnomVnom	Pass	1.40	22.07	22.07	30.00
2462MHz_TnomVnom	Pass	1.40	22.04	22.04	30.00
802.11n_HT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-
2422MHz_TnomVnom	Pass	1.40	21.80	21.80	30.00
2437MHz_TnomVnom	Pass	1.40	22.17	22.17	30.00
2452MHz_TnomVnom	Pass	1.40	21.89	21.89	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	15.75	0.03758
802.11g_Nss1,(6Mbps)_1TX(Port2)	22.84	0.19231
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	22.31	0.17022
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	22.49	0.17742

Result

Mode	Result	DG (dBi)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.70	14.72	14.72	30.00
2437MHz_TnomVnom	Pass	-1.70	14.80	14.80	30.00
2462MHz_TnomVnom	Pass	-1.70	15.75	15.75	30.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.70	22.67	22.67	30.00
2437MHz_TnomVnom	Pass	-1.70	22.84	22.84	30.00
2462MHz_TnomVnom	Pass	-1.70	22.81	22.81	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.70	22.02	22.02	30.00
2437MHz_TnomVnom	Pass	-1.70	22.28	22.28	30.00
2462MHz_TnomVnom	Pass	-1.70	22.31	22.31	30.00
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-
2422MHz_TnomVnom	Pass	-1.70	22.12	22.12	30.00
2437MHz_TnomVnom	Pass	-1.70	22.49	22.49	30.00
2452MHz_TnomVnom	Pass	-1.70	22.48	22.48	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	18.76	0.07516
802.11g_Nss1,(6Mbps)_2TX	26.00	0.39811
802.11n HT20_Nss1,(MCS0)_2TX	25.45	0.35075
802.11n HT40_Nss1,(MCS0)_2TX	25.62	0.36475

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.40	14.06	15.30	17.73	30.00
2437MHz	Pass	1.40	14.34	15.24	17.82	30.00
2462MHz	Pass	1.40	14.92	16.44	18.76	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.40	22.14	23.16	25.69	30.00
2437MHz	Pass	1.40	22.52	23.20	25.88	30.00
2462MHz	Pass	1.40	22.59	23.35	26.00	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.40	21.64	22.65	25.18	30.00
2437MHz	Pass	1.40	22.10	22.75	25.45	30.00
2462MHz	Pass	1.40	22.15	22.67	25.43	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.40	21.82	22.76	25.33	30.00
2437MHz	Pass	1.40	22.32	22.89	25.62	30.00
2452MHz	Pass	1.40	22.04	22.93	25.52	30.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	12.34	0.01714
802.11g_Nss1,(6Mbps)_1TX(Port1)	13.00	0.01995
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	12.79	0.01901
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	12.85	0.01928

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.40	11.92	11.92	30.00
2437MHz_TnomVnom	Pass	1.40	12.25	12.25	30.00
2462MHz_TnomVnom	Pass	1.40	12.34	12.34	30.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.40	12.79	12.79	30.00
2437MHz_TnomVnom	Pass	1.40	12.99	12.99	30.00
2462MHz_TnomVnom	Pass	1.40	13.00	13.00	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-
2412MHz_TnomVnom	Pass	1.40	12.70	12.70	30.00
2437MHz_TnomVnom	Pass	1.40	12.77	12.77	30.00
2462MHz_TnomVnom	Pass	1.40	12.79	12.79	30.00
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-
2422MHz_TnomVnom	Pass	1.40	12.59	12.59	30.00
2437MHz_TnomVnom	Pass	1.40	12.85	12.85	30.00
2452MHz_TnomVnom	Pass	1.40	12.83	12.83	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	13.00	0.01995
802.11g_Nss1,(6Mbps)_1TX(Port2)	13.73	0.02360
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	13.44	0.02208
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	13.40	0.02188

Result

Mode	Result	DG (dBi)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.70	12.49	12.49	30.00
2437MHz_TnomVnom	Pass	-1.70	12.54	12.54	30.00
2462MHz_TnomVnom	Pass	-1.70	13.00	13.00	30.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.70	13.28	13.28	30.00
2437MHz_TnomVnom	Pass	-1.70	13.50	13.50	30.00
2462MHz_TnomVnom	Pass	-1.70	13.73	13.73	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.70	13.06	13.06	30.00
2437MHz_TnomVnom	Pass	-1.70	13.26	13.26	30.00
2462MHz_TnomVnom	Pass	-1.70	13.44	13.44	30.00
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-
2422MHz_TnomVnom	Pass	-1.70	13.11	13.11	30.00
2437MHz_TnomVnom	Pass	-1.70	13.40	13.40	30.00
2452MHz_TnomVnom	Pass	-1.70	13.36	13.36	30.00

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

Note : Conducted average output power is for reference only

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	16.00	0.03981
802.11g_Nss1,(6Mbps)_2TX	16.90	0.04898
802.11n HT20_Nss1,(MCS0)_2TX	16.61	0.04581
802.11n HT40_Nss1,(MCS0)_2TX	16.54	0.04508

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.40	11.96	13.04	15.54	30.00
2437MHz	Pass	1.40	12.07	13.05	15.60	30.00
2462MHz	Pass	1.40	12.47	13.46	16.00	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.40	12.84	13.97	16.45	30.00
2437MHz	Pass	1.40	13.02	14.08	16.59	30.00
2462MHz	Pass	1.40	13.16	14.51	16.90	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.40	12.72	13.80	16.30	30.00
2437MHz	Pass	1.40	12.79	13.96	16.42	30.00
2462MHz	Pass	1.40	12.80	14.27	16.61	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.40	12.68	13.97	16.38	30.00
2437MHz	Pass	1.40	12.88	14.09	16.54	30.00
2452MHz	Pass	1.40	12.85	14.00	16.47	30.00

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

Note : Conducted average output power is for reference only

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-11.04
802.11g_Nss1,(6Mbps)_2TX	-12.54
802.11n HT20_Nss1,(MCS0)_2TX	-11.60
802.11n HT40_Nss1,(MCS0)_2TX	-13.70

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)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	3.00	-14.81	-12.39	-11.04	8.00
2437MHz_TnomVnom	Pass	3.00	-14.66	-14.31	-11.96	8.00
2462MHz_TnomVnom	Pass	3.00	-14.30	-13.93	-11.61	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	3.00	-14.36	-13.99	-12.63	8.00
2437MHz_TnomVnom	Pass	3.00	-14.35	-14.05	-12.83	8.00
2462MHz_TnomVnom	Pass	3.00	-15.45	-13.78	-12.54	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	3.00	-14.95	-12.97	-11.77	8.00
2437MHz_TnomVnom	Pass	3.00	-14.50	-14.39	-12.60	8.00
2462MHz_TnomVnom	Pass	3.00	-15.00	-11.95	-11.60	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	3.00	-17.37	-16.01	-14.33	8.00
2437MHz_TnomVnom	Pass	3.00	-16.55	-16.01	-14.53	8.00
2452MHz_TnomVnom	Pass	3.00	-16.27	-14.66	-13.70	8.00

DG = Directional Gain; RBW=3kHz;

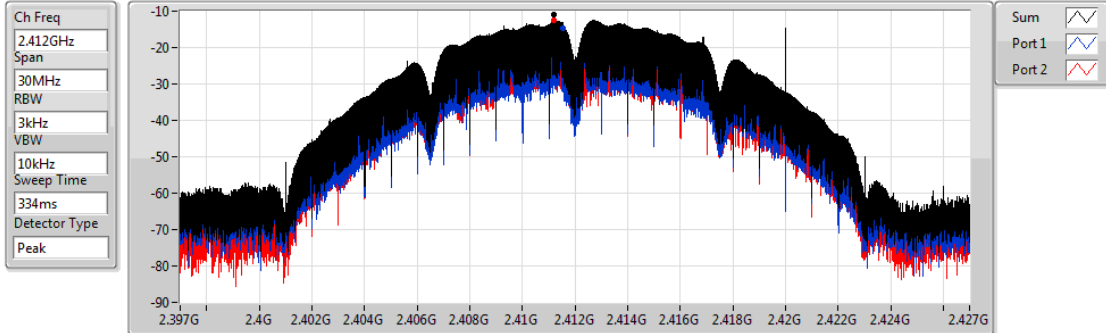
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

28/08/2018



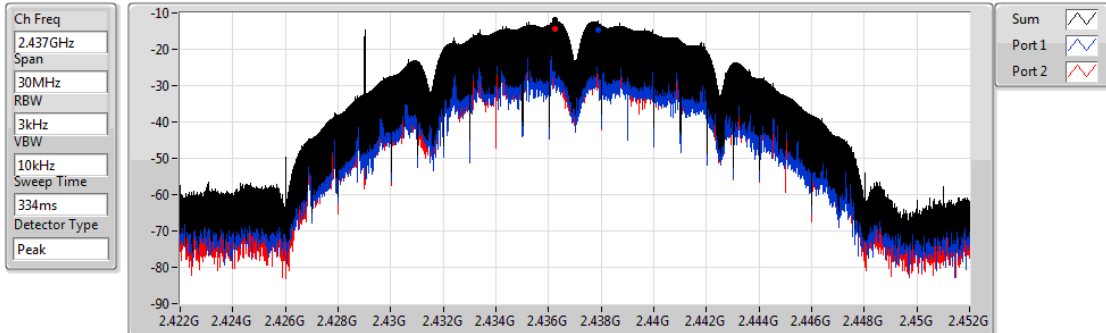
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.04	-11.04	-14.81	-12.39

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

28/08/2018



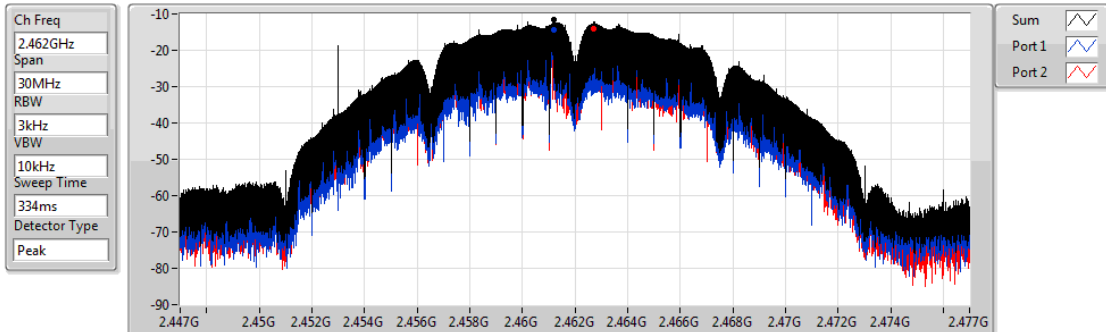
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.96	-11.96	-14.66	-14.31

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

28/08/2018



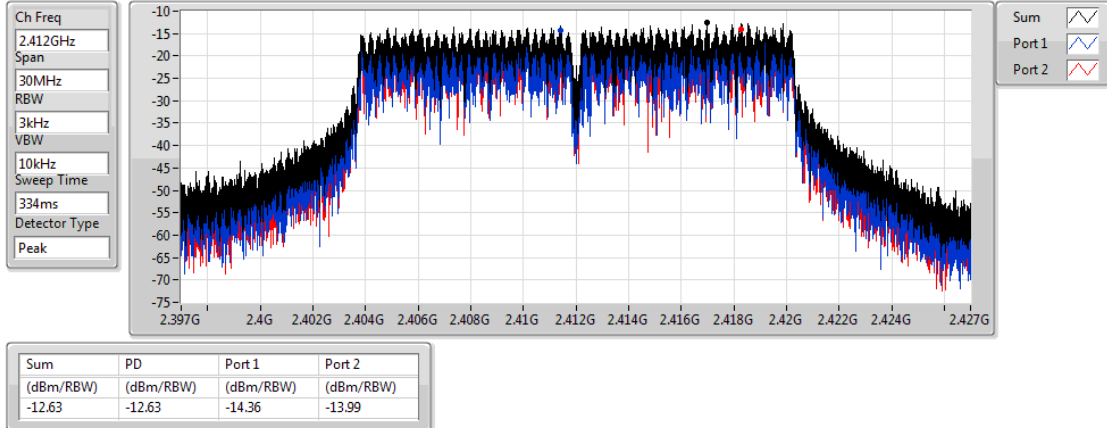
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.61	-11.61	-14.30	-13.93

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

28/08/2018

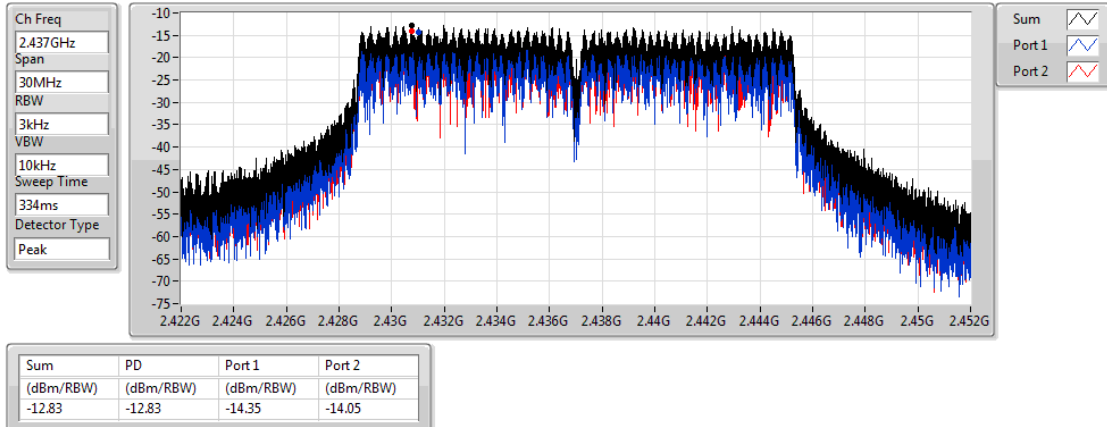


802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

28/08/2018

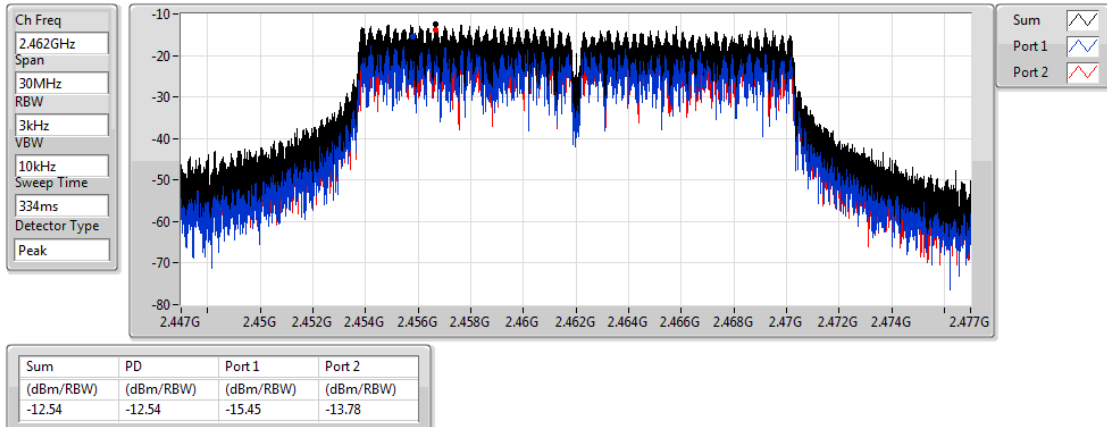


802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

28/08/2018

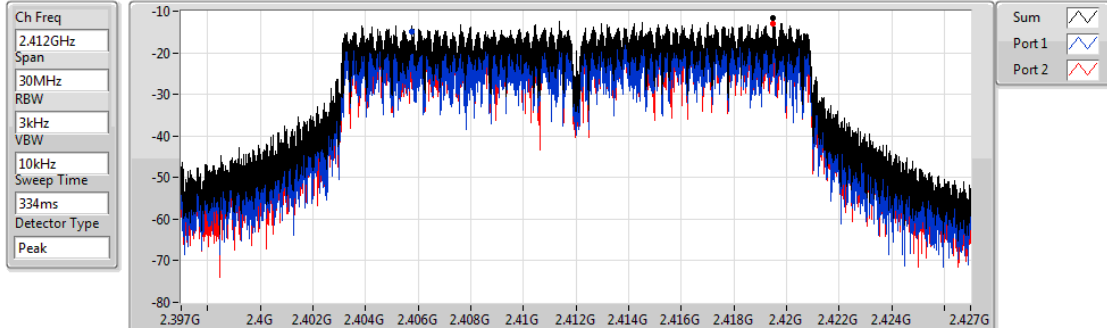


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

28/08/2018



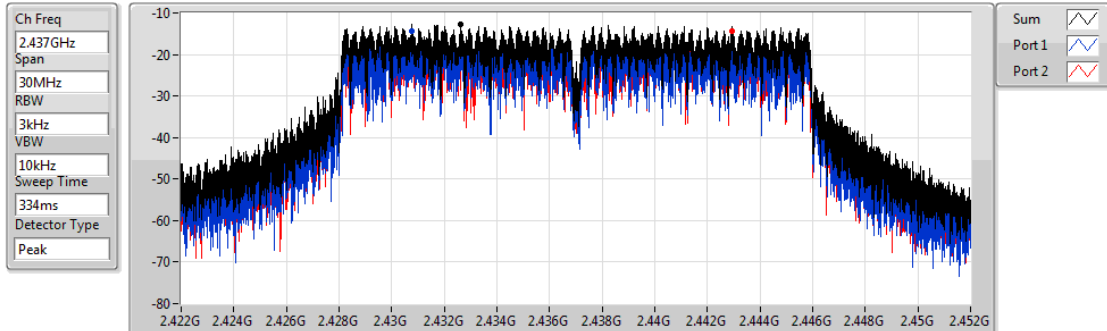
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.77	-11.77	-14.95	-12.97

802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

28/08/2018



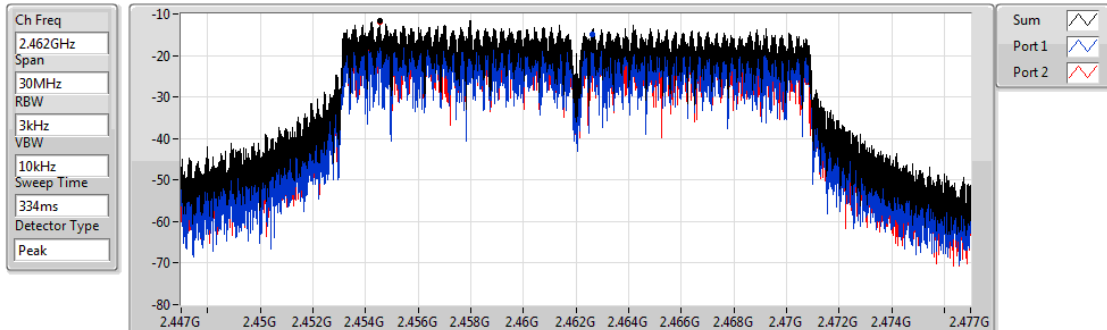
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.60	-12.60	-14.50	-14.39

802.11n HT20_Nss1,(MCS0)_2TX

PSD

2462MHz

28/08/2018



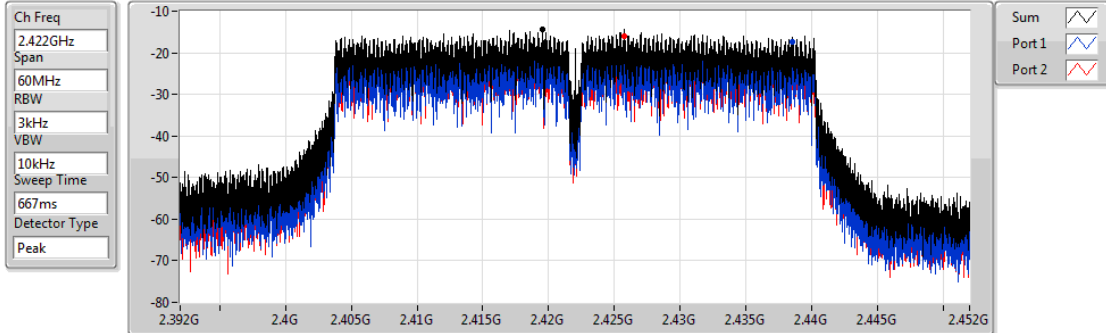
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.60	-11.60	-15.00	-11.95

802.11n HT40_Nss1,(MCS0)_2TX

PSD

2422MHz

28/08/2018



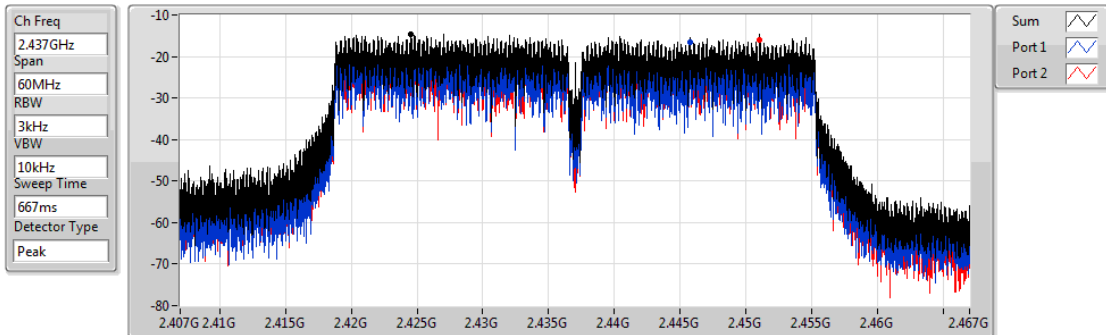
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.33	-14.33	-17.37	-16.01

802.11n HT40_Nss1,(MCS0)_2TX

PSD

2437MHz

28/08/2018



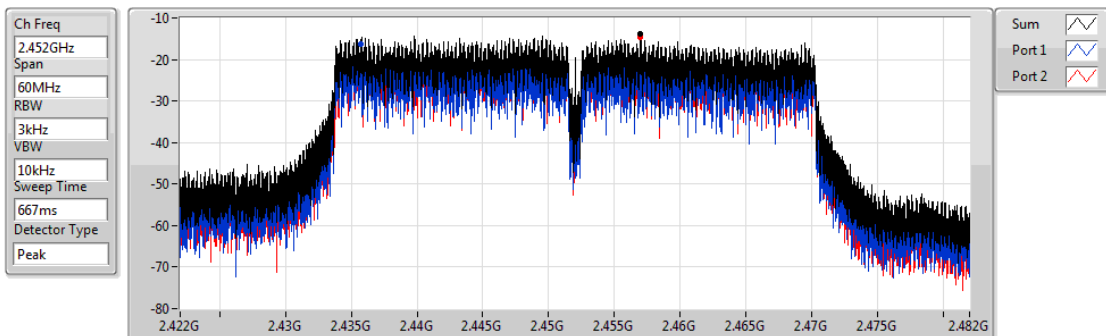
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.53	-14.53	-16.55	-16.01

802.11n HT40_Nss1,(MCS0)_2TX

PSD

2452MHz

28/08/2018



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.70	-13.70	-16.27	-14.66

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)_2TX	Pass	2.412525G	2.06	-17.94	1.83109G	-59.53	2.3996G	-41.47	2.51774G	-57.72	6.962609G	-52.43	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.419539G	1.44	-18.56	2.12933G	-59.11	2.39992G	-29.55	2.48646G	-56.33	6.95418G	-51.72	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.414863G	-1.48	-21.48	1.652845G	-59.63	2.39992G	-28.56	2.48382G	-57.75	6.962609G	-52.41	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.417034G	-1.12	-21.12	1.959325G	-58.57	2.39792G	-32.89	2.48574G	-55.69	6.874113G	-53.08	1

Result

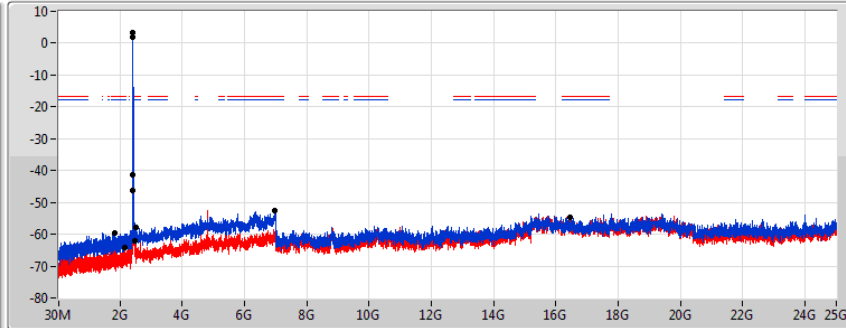
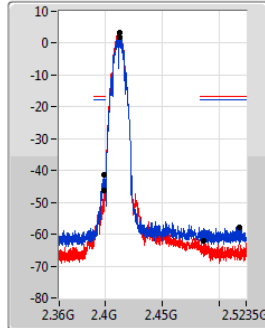
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.412525G	2.06	-17.94	1.83109G	-59.53	2.3996G	-41.47	2.51774G	-57.72	6.962609G	-52.43	1
2412MHz_TnomVnom	Pass	2.412525G	3.20	-16.80	2.160785G	-64.01	2.3996G	-46.15	2.4867G	-62.13	16.444882G	-54.68	2
2437MHz_TnomVnom	Pass	2.436573G	2.37	-17.63	2.146805G	-59.08	2.39504G	-55.56	2.48398G	-57.32	6.218075G	-52.97	1
2437MHz_TnomVnom	Pass	2.436573G	3.24	-16.76	2.19224G	-64.60	2.39504G	-58.99	2.48374G	-62.30	15.287342G	-53.67	2
2462MHz_TnomVnom	Pass	2.461623G	2.16	-17.84	1.641195G	-59.64	2.39624G	-57.78	2.48398G	-57.08	6.979466G	-52.57	1
2462MHz_TnomVnom	Pass	2.461623G	3.68	-16.32	1.95225G	-64.52	2.39808G	-57.88	2.48702G	-58.21	16.352167G	-54.95	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.419539G	1.44	-18.56	2.12933G	-59.11	2.39992G	-29.55	2.48646G	-56.33	6.95418G	-51.72	1
2412MHz_TnomVnom	Pass	2.416867G	1.87	-18.13	2.1037G	-64.20	2.39984G	-29.70	2.48566G	-60.79	17.282132G	-55.38	2
2437MHz_TnomVnom	Pass	2.442084G	0.12	-19.88	2.16661G	-59.31	2.39808G	-53.80	2.48502G	-56.62	6.95699G	-52.71	1
2437MHz_TnomVnom	Pass	2.429559G	2.49	-17.51	2.30175G	-64.82	2.39984G	-52.19	2.48806G	-58.72	15.323867G	-54.56	2
2462MHz_TnomVnom	Pass	2.465798G	0.61	-19.39	2.156125G	-59.54	2.39704G	-53.45	2.48374G	-47.84	6.88956G	-52.70	1
2462MHz_TnomVnom	Pass	2.459619G	2.44	-17.56	2.1503G	-64.14	2.39776G	-55.00	2.48382G	-45.99	15.290152G	-55.14	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.414863G	-1.48	-21.48	1.652845G	-59.63	2.39992G	-28.56	2.48382G	-57.75	6.962609G	-52.41	1
2412MHz_TnomVnom	Pass	2.405678G	1.69	-18.31	2.144475G	-64.55	2.39944G	-30.83	2.48422G	-59.31	15.318248G	-54.86	2
2437MHz_TnomVnom	Pass	2.440748G	0.79	-19.21	2.307575G	-58.90	2.39456G	-53.60	2.48462G	-55.32	6.965418G	-52.54	1
2437MHz_TnomVnom	Pass	2.429559G	2.68	-17.32	1.911475G	-64.38	2.39984G	-50.96	2.48534G	-57.85	17.197845G	-53.80	2
2462MHz_TnomVnom	Pass	2.458283G	1.37	-18.63	2.309905G	-59.21	2.39864G	-54.22	2.48422G	-46.74	6.875512G	-51.89	1
2462MHz_TnomVnom	Pass	2.459619G	2.73	-17.27	2.15496G	-63.45	2.39648G	-54.66	2.48358G	-42.89	17.265274G	-54.81	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.417034G	-1.12	-21.12	1.959325G	-58.57	2.39792G	-32.89	2.48574G	-55.69	6.874113G	-53.08	1
2422MHz_TnomVnom	Pass	2.419539G	-0.41	-20.41	2.305115G	-64.68	2.39472G	-33.51	2.48574G	-57.46	16.440475G	-54.79	2
2437MHz_TnomVnom	Pass	2.420708G	-0.32	-20.32	2.115045G	-59.65	2.39968G	-36.47	2.48478G	-49.60	6.983491G	-52.32	1
2437MHz_TnomVnom	Pass	2.425718G	-0.23	-20.23	2.167715G	-64.17	2.39968G	-34.31	2.48366G	-49.67	15.296214G	-53.43	2
2452MHz_TnomVnom	Pass	2.438243G	-1.84	-21.84	2.039475G	-59.35	2.39984G	-47.62	2.48574G	-41.03	6.388923G	-50.88	1
2452MHz_TnomVnom	Pass	2.449599G	0.82	-19.18	2.151685G	-64.14	2.3968G	-47.44	2.48446G	-40.91	16.328293G	-53.07	2

802.11b_Nss1,(1Mbps)_2TX

CSE NdB

2412MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

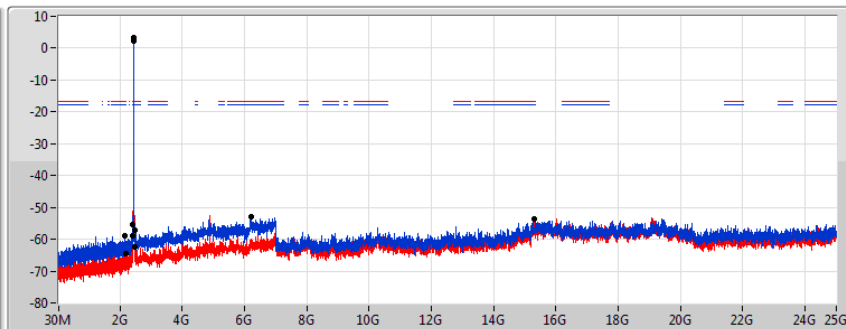
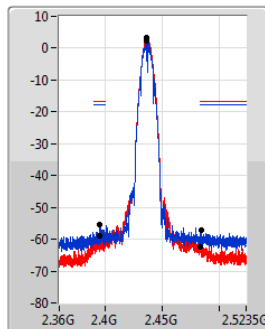
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.412525G	2.06	-17.94	1.83109G	-59.53	2.3996G	-41.47	2.51774G	-57.72	6.962609G	-52.43	1
2.412525G	3.20	-16.80	2.160785G	-64.01	2.3996G	-46.15	2.4867G	-62.13	16.444882G	-54.68	2

802.11b_Nss1,(1Mbps)_2TX

CSE NdB

2437MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

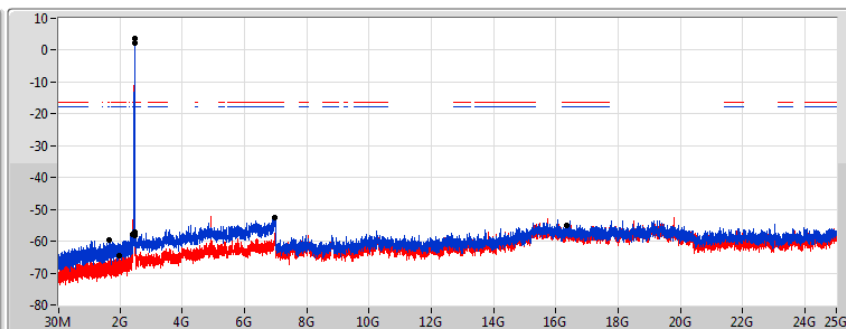
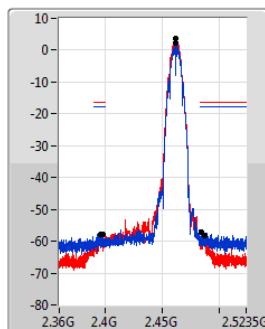
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436573G	2.37	-17.63	2.146805G	-59.08	2.39504G	-55.56	2.48398G	-57.32	6.218075G	-52.97	1
2.436573G	3.24	-16.76	2.19224G	-64.60	2.39504G	-58.99	2.48374G	-62.30	15.287342G	-53.67	2

802.11b_Nss1,(1Mbps)_2TX

CSE NdB

2462MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

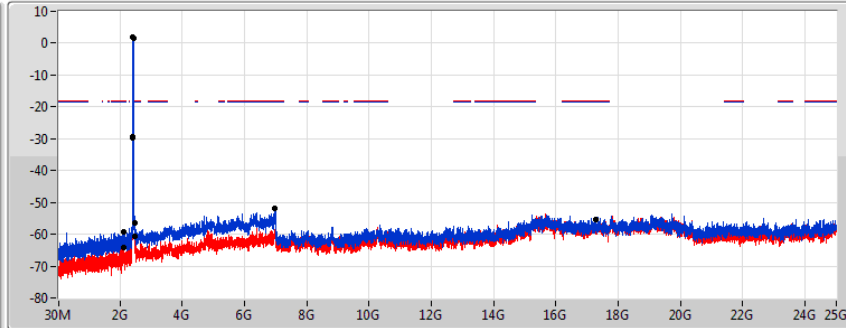
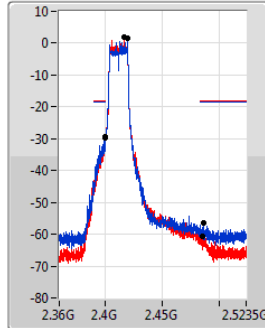
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.461623G	2.16	-17.84	1.641195G	-59.64	2.39624G	-57.78	2.48398G	-57.08	6.979466G	-52.57	1
2.461623G	3.68	-16.32	1.95225G	-64.52	2.39808G	-57.88	2.48702G	-58.21	16.352167G	-54.95	2

802.11g_Nss1,(6Mbps)_2TX

CSE NdB

2412MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

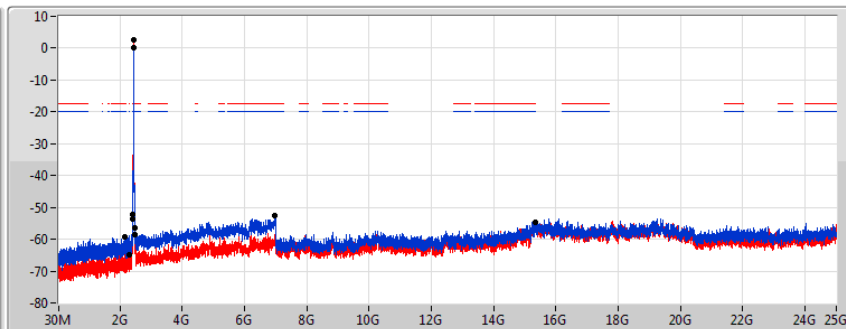
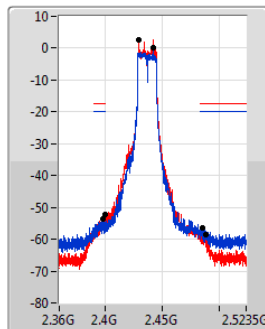
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.419539G	1.44	-18.56	2.12933G	-59.11	2.39992G	-29.55	2.48646G	-56.33	6.95418G	-51.72	1
2.416867G	1.87	-18.13	2.1037G	-64.20	2.39984G	-29.70	2.48566G	-60.79	17.282132G	-55.38	2

802.11g_Nss1,(6Mbps)_2TX

CSE NdB

2437MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

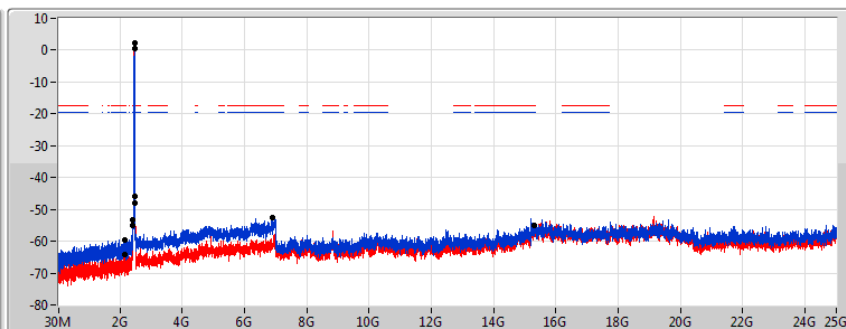
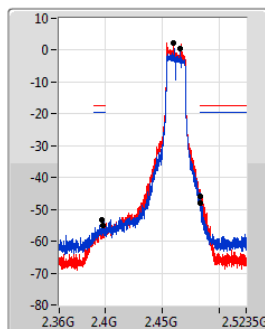
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	0.12	-19.88	2.16661G	-59.31	2.39808G	-53.80	2.48502G	-56.62	6.95699G	-52.71	1
2.429559G	2.49	-17.51	2.30175G	-64.82	2.39984G	-52.19	2.48806G	-58.72	15.323867G	-54.56	2

802.11g_Nss1,(6Mbps)_2TX

CSE NdB

2462MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

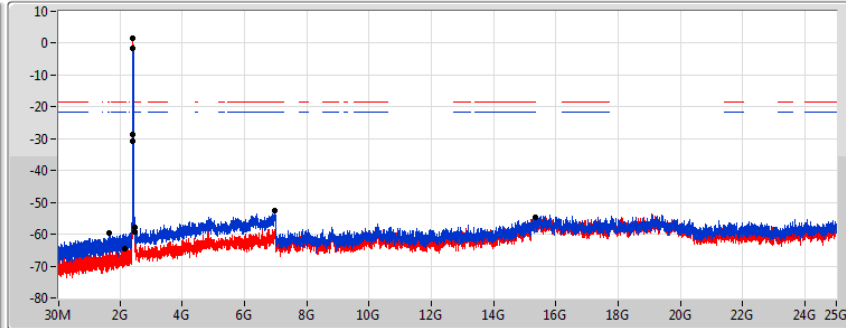
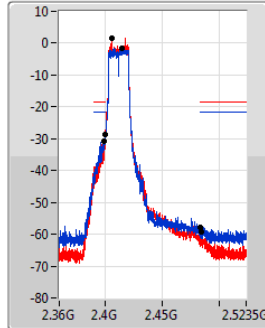
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.465798G	0.61	-19.39	2.156125G	-59.54	2.39704G	-53.45	2.48374G	-47.84	6.88956G	-52.70	1
2.459619G	2.44	-17.56	2.1503G	-64.14	2.39776G	-55.00	2.48382G	-45.99	15.290152G	-55.14	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2412MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

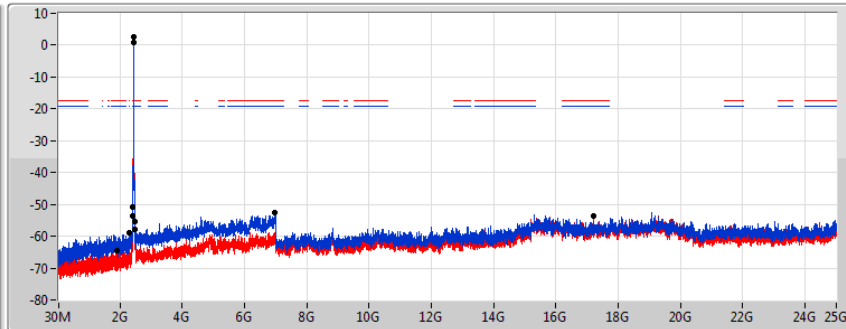
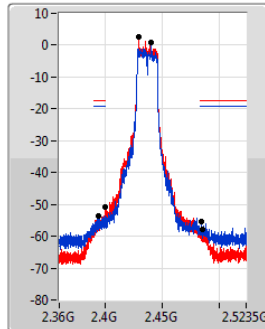
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.414863G	-1.48	-21.48	1.652845G	-59.63	2.39992G	-28.56	2.48382G	-57.75	6.962609G	-52.41	1
2.405678G	1.69	-18.31	2.144475G	-64.55	2.39944G	-30.83	2.48422G	-59.31	15.318248G	-54.86	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

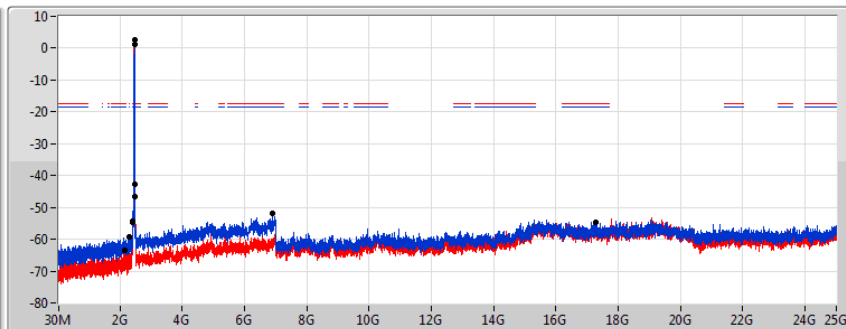
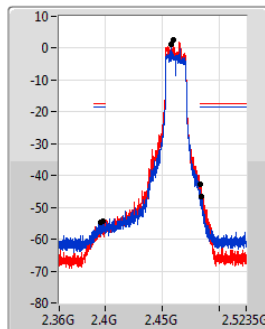
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	0.79	-19.21	2.307575G	-58.90	2.39456G	-53.60	2.48462G	-55.32	6.965418G	-52.54	1
2.429559G	2.68	-17.32	1.911475G	-64.38	2.39984G	-50.96	2.48534G	-57.85	17.197845G	-53.80	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2462MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

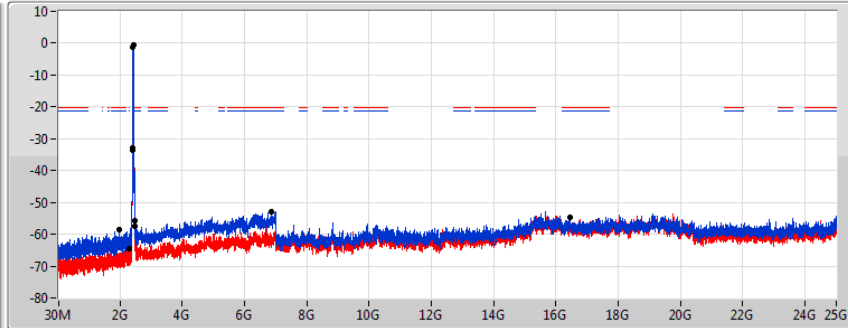
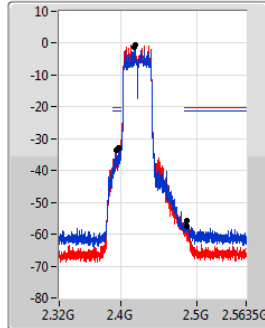
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.458283G	1.37	-18.63	2.309905G	-59.21	2.39864G	-54.22	2.48422G	-46.74	6.875512G	-51.89	1
2.459619G	2.73	-17.27	2.15496G	-63.45	2.39648G	-54.66	2.48358G	-42.89	17.265274G	-54.81	2

802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

2422MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

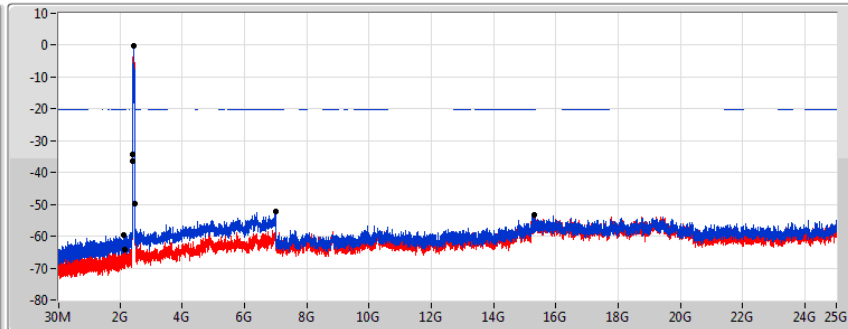
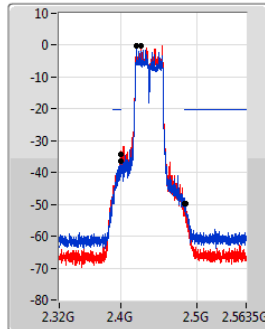
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.417034G	-1.12	-21.12	1.959325G	-58.57	2.39792G	-32.89	2.48574G	-55.69	6.874113G	-53.08	1
2.419539G	-0.41	-20.41	2.305115G	-64.68	2.39472G	-33.51	2.48574G	-57.46	16.440475G	-54.79	2

802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

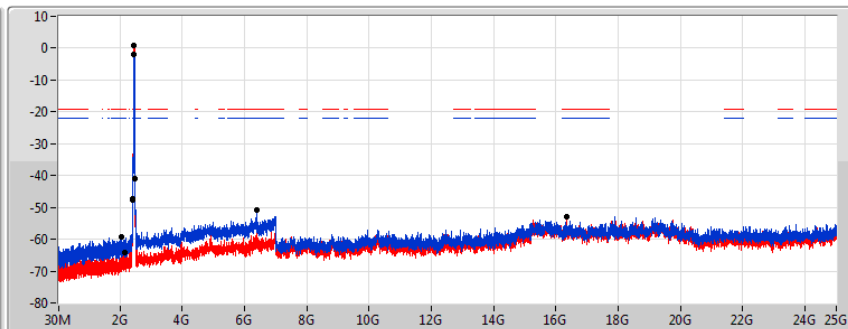
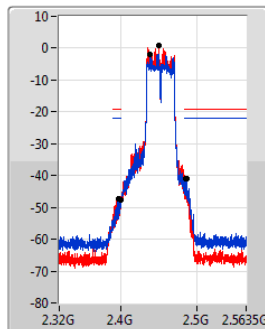
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.420708G	-0.32	-20.32	2.115045G	-59.65	2.39968G	-36.47	2.48478G	-49.60	6.983491G	-52.32	1
2.425718G	-0.23	-20.23	2.167715G	-64.17	2.39968G	-34.31	2.48366G	-49.67	15.296214G	-53.43	2

802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

2452MHz

28/08/2018



Port 1 
Port 2 

RBW VBW
100kHz 300kHz
Detector Type
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	-1.84	-21.84	2.039475G	-59.35	2.39984G	-47.62	2.48574G	-41.03	6.388923G	-50.88	1
2.449599G	0.82	-19.18	2.151685G	-64.14	2.3968G	-47.44	2.48446G	-40.91	16.328293G	-53.07	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	332.246377M	40.97	46.00	-5.03	-5.33	3	Horizontal	0	1.00	-

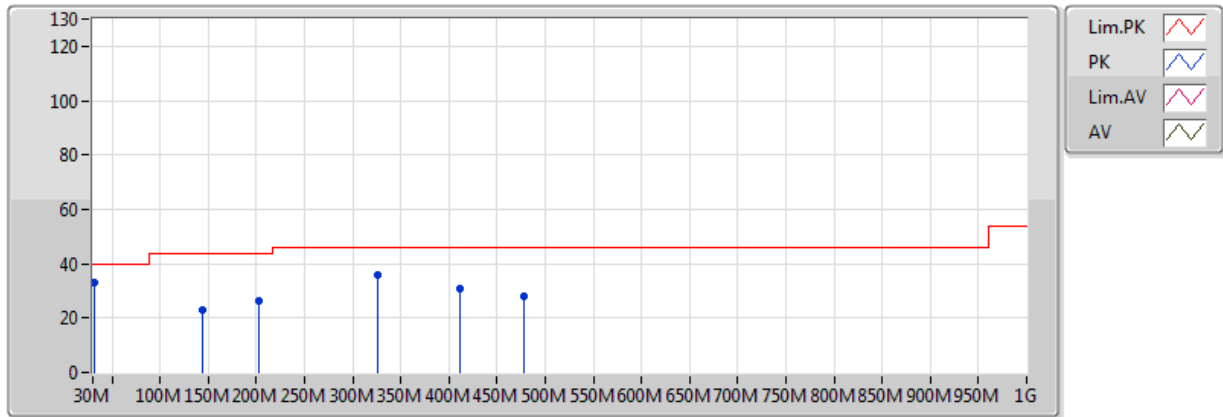
Result

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	31.405797M	33.03	40.00	-6.97	-5.20	3	Vertical	360	1.00	-
2437MHz	Pass	PK	143.869565M	22.96	43.50	-20.54	-9.85	3	Vertical	360	1.00	-
2437MHz	Pass	PK	202.913043M	26.17	43.50	-17.33	-10.58	3	Vertical	360	1.00	-
2437MHz	Pass	PK	325.217391M	36.07	46.00	-9.93	-5.38	3	Vertical	360	1.00	-
2437MHz	Pass	PK	410.971014M	30.87	46.00	-15.13	-3.00	3	Vertical	360	1.00	-
2437MHz	Pass	PK	477.043478M	28.06	46.00	-17.94	-2.24	3	Vertical	360	1.00	-
2437MHz	Pass	PK	30M	30.63	40.00	-9.37	-4.53	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	141.057971M	24.48	43.50	-19.02	-9.67	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	200.101449M	32.21	43.50	-11.29	-10.57	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	257.73913M	31.51	46.00	-14.49	-5.86	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	332.246377M	40.97	46.00	-5.03	-5.33	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	413.782609M	31.59	46.00	-14.41	-2.91	3	Horizontal	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Adapter

25/08/2018

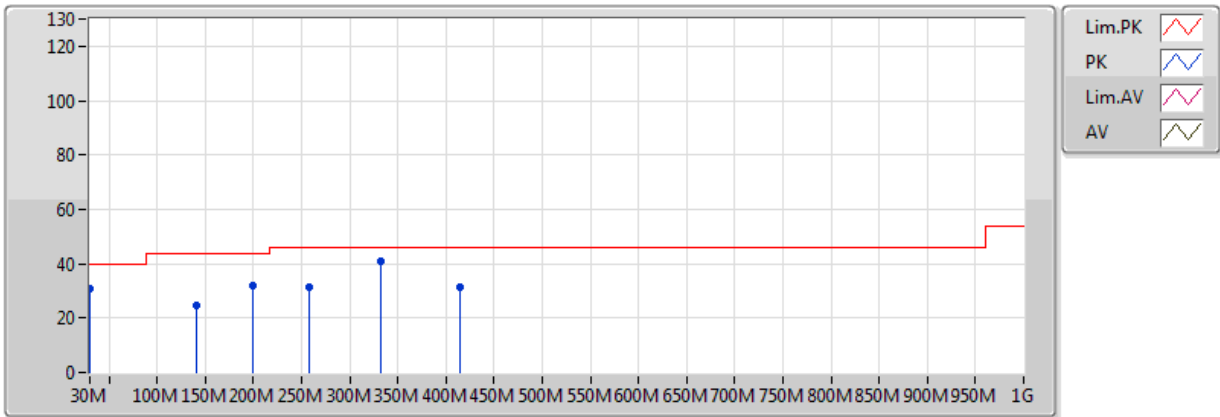


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	31.405797M	33.03	40.00	-6.97	-5.20	3	Vertical	360	1.00	-
PK	143.869565M	22.96	43.50	-20.54	-9.85	3	Vertical	360	1.00	-
PK	202.913043M	26.17	43.50	-17.33	-10.58	3	Vertical	360	1.00	-
PK	325.217391M	36.07	46.00	-9.93	-5.38	3	Vertical	360	1.00	-
PK	410.971014M	30.87	46.00	-15.13	-3.00	3	Vertical	360	1.00	-
PK	477.043478M	28.06	46.00	-17.94	-2.24	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Adapter

25/08/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	30M	30.63	40.00	-9.37	-4.53	3	Horizontal	0	1.00	-
PK	141.057971M	24.48	43.50	-19.02	-9.67	3	Horizontal	0	1.00	-
PK	200.101449M	32.21	43.50	-11.29	-10.57	3	Horizontal	0	1.00	-
PK	257.73913M	31.51	46.00	-14.49	-5.86	3	Horizontal	0	1.00	-
PK	332.246377M	40.97	46.00	-5.03	-5.33	3	Horizontal	0	1.00	-
PK	413.782609M	31.59	46.00	-14.41	-2.91	3	Horizontal	0	1.00	-

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4998G	48.37	54.00	-5.63	32.34	3	Vertical	210	3.10	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.483502G	49.14	54.00	-4.86	32.29	3	Vertical	198	3.06	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.4836G	49.65	54.00	-4.35	32.29	3	Vertical	206	3.06	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.484G	51.64	54.00	-2.36	32.29	3	Vertical	193	3.14	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	48.13	54.00	-5.87	32.01	3	Vertical	191	3.19	-
2412MHz	Pass	AV	2.411G	94.08	Inf	-Inf	32.07	3	Vertical	191	3.19	-
2412MHz	Pass	PK	2.3862G	59.30	74.00	-14.70	32.00	3	Vertical	191	3.19	-
2412MHz	Pass	PK	2.4106G	94.93	Inf	-Inf	32.07	3	Vertical	191	3.19	-
2412MHz	Pass	AV	2.389998G	47.30	54.00	-6.70	32.01	3	Horizontal	80	1.50	-
2412MHz	Pass	AV	2.4112G	95.48	Inf	-Inf	32.07	3	Horizontal	80	1.50	-
2412MHz	Pass	PK	2.3866G	58.88	74.00	-15.12	32.00	3	Horizontal	80	1.50	-
2412MHz	Pass	PK	2.4112G	97.56	Inf	-Inf	32.07	3	Horizontal	80	1.50	-
2412MHz	Pass	AV	4.8261G	33.67	54.00	-20.33	3.39	3	Vertical	65	1.33	-
2412MHz	Pass	PK	4.81464G	46.63	74.00	-27.37	3.37	3	Vertical	65	1.33	-
2412MHz	Pass	AV	4.81944G	33.66	54.00	-20.34	3.38	3	Horizontal	109	1.50	-
2412MHz	Pass	PK	4.83468G	45.55	74.00	-28.45	3.41	3	Horizontal	109	1.50	-
2437MHz	Pass	AV	2.3898G	47.30	54.00	-6.70	32.01	3	Vertical	210	3.10	-
2437MHz	Pass	AV	2.4354G	95.93	Inf	-Inf	32.15	3	Vertical	210	3.10	-
2437MHz	Pass	AV	2.4998G	48.37	54.00	-5.63	32.34	3	Vertical	210	3.10	-
2437MHz	Pass	PK	2.3734G	58.36	74.00	-15.64	31.95	3	Vertical	210	3.10	-
2437MHz	Pass	PK	2.4342G	97.96	Inf	-Inf	32.14	3	Vertical	210	3.10	-
2437MHz	Pass	PK	2.4942G	59.46	74.00	-14.54	32.33	3	Vertical	210	3.10	-
2437MHz	Pass	AV	2.3874G	47.27	54.00	-6.73	32.00	3	Horizontal	343	1.13	-
2437MHz	Pass	AV	2.4362G	96.22	Inf	-Inf	32.15	3	Horizontal	343	1.13	-
2437MHz	Pass	AV	2.4938G	48.36	54.00	-5.64	32.33	3	Horizontal	343	1.13	-
2437MHz	Pass	PK	2.3434G	58.62	74.00	-15.38	31.84	3	Horizontal	343	1.13	-
2437MHz	Pass	PK	2.4362G	97.75	Inf	-Inf	32.15	3	Horizontal	343	1.13	-
2437MHz	Pass	PK	2.4974G	59.39	74.00	-14.61	32.33	3	Horizontal	343	1.13	-
2437MHz	Pass	AV	4.8737G	33.27	54.00	-20.73	3.51	3	Vertical	205	1.48	-
2437MHz	Pass	PK	4.88372G	46.21	74.00	-27.79	3.53	3	Vertical	205	1.48	-
2437MHz	Pass	AV	4.88318G	33.26	54.00	-20.74	3.53	3	Horizontal	191	1.50	-
2437MHz	Pass	PK	4.86968G	45.59	74.00	-28.41	3.50	3	Horizontal	191	1.50	-
2462MHz	Pass	AV	2.4612G	97.35	Inf	-Inf	32.22	3	Vertical	205	3.06	-
2462MHz	Pass	AV	2.4982G	48.37	54.00	-5.63	32.34	3	Vertical	205	3.06	-
2462MHz	Pass	PK	2.4612G	99.44	Inf	-Inf	32.22	3	Vertical	205	3.06	-
2462MHz	Pass	PK	2.4976G	59.46	74.00	-14.54	32.33	3	Vertical	205	3.06	-
2462MHz	Pass	AV	2.4628G	96.25	Inf	-Inf	32.23	3	Horizontal	63	1.14	-
2462MHz	Pass	AV	2.498G	48.37	54.00	-5.63	32.34	3	Horizontal	63	1.14	-
2462MHz	Pass	PK	2.463G	97.73	Inf	-Inf	32.23	3	Horizontal	63	1.14	-
2462MHz	Pass	PK	2.4898G	60.79	74.00	-13.21	32.31	3	Horizontal	63	1.14	-
2462MHz	Pass	AV	4.93798G	33.49	54.00	-20.51	3.66	3	Vertical	251	1.55	-
2462MHz	Pass	PK	4.92814G	46.10	74.00	-27.90	3.64	3	Vertical	251	1.55	-
2462MHz	Pass	AV	4.93890G	33.65	54.00	-20.35	3.66	3	Horizontal	221	1.49	-
2462MHz	Pass	PK	4.91692G	46.57	74.00	-27.43	3.61	3	Horizontal	221	1.49	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	47.86	54.00	-6.14	32.01	3	Vertical	211	3.19	-
2412MHz	Pass	AV	2.4154G	94.08	Inf	-Inf	32.09	3	Vertical	211	3.19	-
2412MHz	Pass	PK	2.3696G	58.58	74.00	-15.42	31.94	3	Vertical	211	3.19	-
2412MHz	Pass	PK	2.4156G	101.04	Inf	-Inf	32.09	3	Vertical	211	3.19	-
2412MHz	Pass	AV	2.389998G	48.13	54.00	-5.87	32.01	3	Horizontal	83	1.13	-
2412MHz	Pass	AV	2.4058G	93.95	Inf	-Inf	32.06	3	Horizontal	83	1.13	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.3892G	60.67	74.00	-13.33	32.00	3	Horizontal	83	1.13	-
2412MHz	Pass	PK	2.4064G	101.44	Inf	-Inf	32.06	3	Horizontal	83	1.13	-
2412MHz	Pass	AV	4.82724G	33.11	54.00	-20.89	3.40	3	Vertical	76	2.71	-
2412MHz	Pass	PK	4.83522G	45.78	74.00	-28.22	3.41	3	Vertical	76	2.71	-
2412MHz	Pass	AV	4.81482G	33.10	54.00	-20.90	3.37	3	Horizontal	29	2.06	-
2412MHz	Pass	PK	4.82568G	45.82	74.00	-28.18	3.39	3	Horizontal	29	2.06	-
2437MHz	Pass	AV	2.3694G	47.46	54.00	-6.54	31.94	3	Vertical	210	3.13	-
2437MHz	Pass	AV	2.4326G	94.47	Inf	-Inf	32.14	3	Vertical	210	3.13	-
2437MHz	Pass	AV	2.499G	48.37	54.00	-5.63	32.34	3	Vertical	210	3.13	-
2437MHz	Pass	PK	2.343G	58.24	74.00	-15.76	31.84	3	Vertical	210	3.13	-
2437MHz	Pass	PK	2.4338G	102.17	Inf	-Inf	32.14	3	Vertical	210	3.13	-
2437MHz	Pass	PK	2.485G	59.42	74.00	-14.58	32.29	3	Vertical	210	3.13	-
2437MHz	Pass	AV	2.3878G	47.56	54.00	-6.44	32.00	3	Horizontal	79	1.04	-
2437MHz	Pass	AV	2.4294G	94.18	Inf	-Inf	32.13	3	Horizontal	79	1.04	-
2437MHz	Pass	AV	2.499G	48.37	54.00	-5.63	32.34	3	Horizontal	79	1.04	-
2437MHz	Pass	PK	2.3458G	58.39	74.00	-15.61	31.86	3	Horizontal	79	1.04	-
2437MHz	Pass	PK	2.4298G	101.95	Inf	-Inf	32.13	3	Horizontal	79	1.04	-
2437MHz	Pass	PK	2.497G	58.99	74.00	-15.01	32.33	3	Horizontal	79	1.04	-
2437MHz	Pass	AV	4.87238G	33.18	54.00	-20.82	3.50	3	Vertical	127	1.47	-
2437MHz	Pass	PK	4.86086G	45.78	74.00	-28.22	3.48	3	Vertical	127	1.47	-
2437MHz	Pass	AV	4.88108G	33.17	54.00	-20.83	3.52	3	Horizontal	199	1.84	-
2437MHz	Pass	PK	4.87418G	45.53	74.00	-28.47	3.51	3	Horizontal	199	1.84	-
2462MHz	Pass	AV	2.4608G	94.53	Inf	-Inf	32.22	3	Vertical	198	3.06	-
2462MHz	Pass	AV	2.483502G	49.14	54.00	-4.86	32.29	3	Vertical	198	3.06	-
2462MHz	Pass	PK	2.4606G	102.07	Inf	-Inf	32.22	3	Vertical	198	3.06	-
2462MHz	Pass	PK	2.485G	61.46	74.00	-12.54	32.29	3	Vertical	198	3.06	-
2462MHz	Pass	AV	2.4558G	93.40	Inf	-Inf	32.21	3	Horizontal	325	1.13	-
2462MHz	Pass	AV	2.4856G	48.61	54.00	-5.39	32.30	3	Horizontal	325	1.13	-
2462MHz	Pass	PK	2.4558G	101.90	Inf	-Inf	32.21	3	Horizontal	325	1.13	-
2462MHz	Pass	PK	2.485G	61.52	74.00	-12.48	32.29	3	Horizontal	325	1.13	-
2462MHz	Pass	AV	4.93876G	33.41	54.00	-20.59	3.66	3	Vertical	360	1.70	-
2462MHz	Pass	PK	4.93264G	45.87	74.00	-28.13	3.65	3	Vertical	360	1.70	-
2462MHz	Pass	AV	4.93876G	33.41	54.00	-20.59	3.66	3	Horizontal	153	2.04	-
2462MHz	Pass	PK	4.93882G	45.88	74.00	-28.12	3.66	3	Horizontal	153	2.04	-
802.11n HT20_Nss1_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	47.86	54.00	-6.14	32.01	3	Vertical	209	3.19	-
2412MHz	Pass	AV	2.4176G	93.50	Inf	-Inf	32.09	3	Vertical	209	3.19	-
2412MHz	Pass	PK	2.389998G	58.92	74.00	-15.08	32.01	3	Vertical	209	3.19	-
2412MHz	Pass	PK	2.415G	102.16	Inf	-Inf	32.09	3	Vertical	209	3.19	-
2412MHz	Pass	AV	2.3896G	48.64	54.00	-5.36	32.01	3	Horizontal	82	1.37	-
2412MHz	Pass	AV	2.4202G	94.10	Inf	-Inf	32.10	3	Horizontal	82	1.37	-
2412MHz	Pass	PK	2.389998G	62.00	74.00	-12.00	32.01	3	Horizontal	82	1.37	-
2412MHz	Pass	PK	2.4186G	101.48	Inf	-Inf	32.10	3	Horizontal	82	1.37	-
2412MHz	Pass	AV	4.81758G	33.06	54.00	-20.94	3.37	3	Vertical	351	1.50	-
2412MHz	Pass	PK	4.83816G	46.14	74.00	-27.86	3.42	3	Vertical	351	1.50	-
2412MHz	Pass	AV	4.82562G	33.05	54.00	-20.95	3.39	3	Horizontal	328	2.15	-
2412MHz	Pass	PK	4.83348G	46.17	74.00	-27.83	3.41	3	Horizontal	328	2.15	-
2437MHz	Pass	AV	2.3898G	47.30	54.00	-6.70	32.01	3	Vertical	212	3.12	-
2437MHz	Pass	AV	2.4314G	94.27	Inf	-Inf	32.13	3	Vertical	212	3.12	-

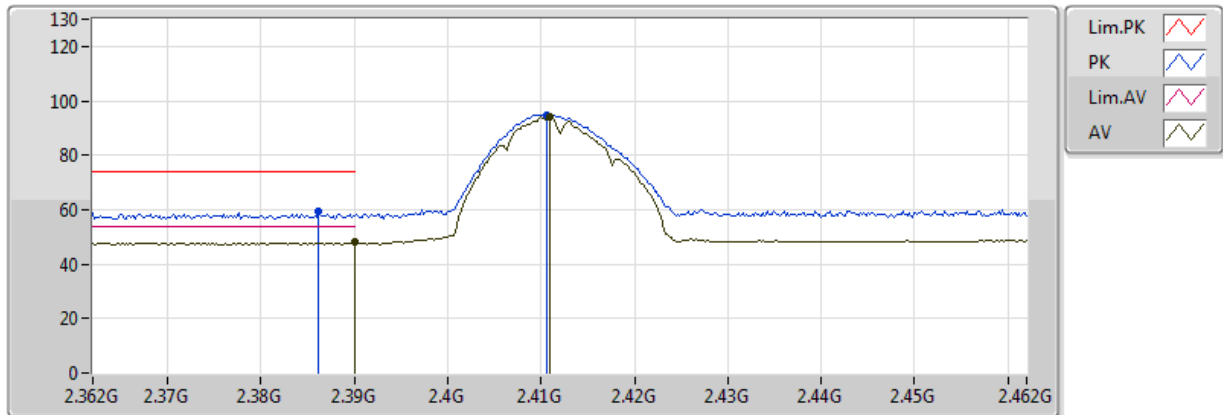
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.4946G	48.36	54.00	-5.64	32.33	3	Vertical	212	3.12	-
2437MHz	Pass	PK	2.3498G	58.37	74.00	-15.63	31.87	3	Vertical	212	3.12	-
2437MHz	Pass	PK	2.4334G	102.17	Inf	-Inf	32.14	3	Vertical	212	3.12	-
2437MHz	Pass	PK	2.483502G	59.72	74.00	-14.28	32.29	3	Vertical	212	3.12	-
2437MHz	Pass	AV	2.3898G	47.30	54.00	-6.70	32.01	3	Horizontal	337	1.20	-
2437MHz	Pass	AV	2.4338G	93.99	Inf	-Inf	32.14	3	Horizontal	337	1.20	-
2437MHz	Pass	AV	2.499G	48.37	54.00	-5.63	32.34	3	Horizontal	337	1.20	-
2437MHz	Pass	PK	2.3498G	59.64	74.00	-14.36	31.87	3	Horizontal	337	1.20	-
2437MHz	Pass	PK	2.4334G	102.55	Inf	-Inf	32.14	3	Horizontal	337	1.20	-
2437MHz	Pass	PK	2.4934G	59.22	74.00	-14.78	32.32	3	Horizontal	337	1.20	-
2437MHz	Pass	AV	4.87076G	33.10	54.00	-20.90	3.50	3	Vertical	350	1.67	-
2437MHz	Pass	PK	4.8737G	46.07	74.00	-27.93	3.51	3	Vertical	350	1.67	-
2437MHz	Pass	AV	4.87094G	32.70	54.00	-21.30	3.50	3	Horizontal	360	1.41	-
2437MHz	Pass	PK	4.88234G	45.94	74.00	-28.06	3.53	3	Horizontal	360	1.41	-
2462MHz	Pass	AV	2.459G	94.34	Inf	-Inf	32.22	3	Vertical	206	3.06	-
2462MHz	Pass	AV	2.4836G	49.65	54.00	-4.35	32.29	3	Vertical	206	3.06	-
2462MHz	Pass	PK	2.4582G	103.18	Inf	-Inf	32.21	3	Vertical	206	3.06	-
2462MHz	Pass	PK	2.4836G	60.70	74.00	-13.30	32.29	3	Vertical	206	3.06	-
2462MHz	Pass	AV	2.4588G	93.54	Inf	-Inf	32.22	3	Horizontal	334	1.11	-
2462MHz	Pass	AV	2.483502G	48.88	54.00	-5.12	32.29	3	Horizontal	334	1.11	-
2462MHz	Pass	PK	2.4582G	102.51	Inf	-Inf	32.21	3	Horizontal	334	1.11	-
2462MHz	Pass	PK	2.4838G	60.36	74.00	-13.64	32.29	3	Horizontal	334	1.11	-
2462MHz	Pass	AV	4.93834G	33.16	54.00	-20.84	3.66	3	Vertical	50	1.85	-
2462MHz	Pass	PK	4.93894G	46.15	74.00	-27.85	3.66	3	Vertical	50	1.85	-
2462MHz	Pass	AV	4.93762G	33.40	54.00	-20.60	3.66	3	Horizontal	218	2.54	-
2462MHz	Pass	PK	4.93756G	46.41	74.00	-27.59	3.66	3	Horizontal	218	2.54	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3892G	49.57	54.00	-4.43	32.00	3	Vertical	226	3.19	-
2422MHz	Pass	AV	2.4264G	88.51	Inf	-Inf	32.12	3	Vertical	226	3.19	-
2422MHz	Pass	AV	2.4988G	48.66	54.00	-5.34	32.34	3	Vertical	226	3.19	-
2422MHz	Pass	PK	2.388G	60.42	74.00	-13.58	32.00	3	Vertical	226	3.19	-
2422MHz	Pass	PK	2.428G	95.78	Inf	-Inf	32.12	3	Vertical	226	3.19	-
2422MHz	Pass	PK	2.4848G	59.11	74.00	-14.89	32.29	3	Vertical	226	3.19	-
2422MHz	Pass	AV	2.3896G	49.58	54.00	-4.42	32.01	3	Horizontal	82	1.06	-
2422MHz	Pass	AV	2.4312G	89.71	Inf	-Inf	32.13	3	Horizontal	82	1.06	-
2422MHz	Pass	AV	2.4996G	48.37	54.00	-5.63	32.34	3	Horizontal	82	1.06	-
2422MHz	Pass	PK	2.3892G	60.19	74.00	-13.81	32.00	3	Horizontal	82	1.06	-
2422MHz	Pass	PK	2.428G	98.92	Inf	-Inf	32.12	3	Horizontal	82	1.06	-
2422MHz	Pass	PK	2.4928G	58.98	74.00	-15.02	32.32	3	Horizontal	82	1.06	-
2422MHz	Pass	AV	4.85534G	34.72	54.00	-19.28	3.46	3	Vertical	66	3.18	-
2422MHz	Pass	PK	4.8572G	45.25	74.00	-28.75	3.47	3	Vertical	66	3.18	-
2422MHz	Pass	AV	4.853G	34.46	54.00	-19.54	3.46	3	Horizontal	236	1.50	-
2422MHz	Pass	PK	4.83044G	45.27	74.00	-28.73	3.40	3	Horizontal	236	1.50	-
2437MHz	Pass	AV	2.3898G	47.59	54.00	-6.41	32.01	3	Vertical	210	3.14	-
2437MHz	Pass	AV	2.4314G	91.63	Inf	-Inf	32.13	3	Vertical	210	3.14	-
2437MHz	Pass	AV	2.4858G	48.61	54.00	-5.39	32.30	3	Vertical	210	3.14	-
2437MHz	Pass	PK	2.3834G	58.32	74.00	-15.68	31.98	3	Vertical	210	3.14	-
2437MHz	Pass	PK	2.4322G	99.48	Inf	-Inf	32.14	3	Vertical	210	3.14	-
2437MHz	Pass	PK	2.4962G	59.23	74.00	-14.77	32.33	3	Vertical	210	3.14	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.3898G	47.86	54.00	-6.14	32.01	3	Horizontal	81	1.36	-
2437MHz	Pass	AV	2.4322G	91.12	Inf	-Inf	32.14	3	Horizontal	81	1.36	-
2437MHz	Pass	AV	2.4842G	48.60	54.00	-5.40	32.29	3	Horizontal	81	1.36	-
2437MHz	Pass	PK	2.3542G	59.07	74.00	-14.93	31.88	3	Horizontal	81	1.36	-
2437MHz	Pass	PK	2.4322G	98.85	Inf	-Inf	32.14	3	Horizontal	81	1.36	-
2437MHz	Pass	PK	2.4838G	59.79	74.00	-14.21	32.29	3	Horizontal	81	1.36	-
2437MHz	Pass	AV	4.88684G	34.68	54.00	-19.32	3.54	3	Vertical	181	1.89	-
2437MHz	Pass	PK	4.86494G	45.83	74.00	-28.17	3.49	3	Vertical	181	1.89	-
2437MHz	Pass	AV	4.88072G	34.78	54.00	-19.22	3.52	3	Horizontal	351	1.49	-
2437MHz	Pass	PK	4.87298G	45.94	74.00	-28.06	3.51	3	Horizontal	351	1.49	-
2452MHz	Pass	AV	2.3888G	48.62	54.00	-5.38	32.00	3	Vertical	193	3.14	-
2452MHz	Pass	AV	2.4464G	89.62	Inf	-Inf	32.18	3	Vertical	193	3.14	-
2452MHz	Pass	AV	2.484G	51.64	54.00	-2.36	32.29	3	Vertical	193	3.14	-
2452MHz	Pass	PK	2.3736G	58.44	74.00	-15.56	31.95	3	Vertical	193	3.14	-
2452MHz	Pass	PK	2.4356G	97.75	Inf	-Inf	32.15	3	Vertical	193	3.14	-
2452MHz	Pass	PK	2.483502G	60.96	74.00	-13.04	32.29	3	Vertical	193	3.14	-
2452MHz	Pass	AV	2.3896G	48.64	54.00	-5.36	32.01	3	Horizontal	335	1.18	-
2452MHz	Pass	AV	2.436G	92.58	Inf	-Inf	32.15	3	Horizontal	335	1.18	-
2452MHz	Pass	AV	2.4844G	50.59	54.00	-3.41	32.29	3	Horizontal	335	1.18	-
2452MHz	Pass	PK	2.3568G	58.78	74.00	-15.22	31.90	3	Horizontal	335	1.18	-
2452MHz	Pass	PK	2.4356G	98.86	Inf	-Inf	32.15	3	Horizontal	335	1.18	-
2452MHz	Pass	PK	2.4884G	60.17	74.00	-13.83	32.30	3	Horizontal	335	1.18	-
2452MHz	Pass	AV	4.89278G	34.81	54.00	-19.19	3.55	3	Vertical	85	1.17	-
2452MHz	Pass	PK	4.9019G	46.10	74.00	-27.90	3.57	3	Vertical	85	1.17	-
2452MHz	Pass	AV	4.90766G	34.67	54.00	-19.33	3.59	3	Horizontal	195	1.85	-
2452MHz	Pass	PK	4.89116G	45.33	74.00	-28.67	3.55	3	Horizontal	195	1.85	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

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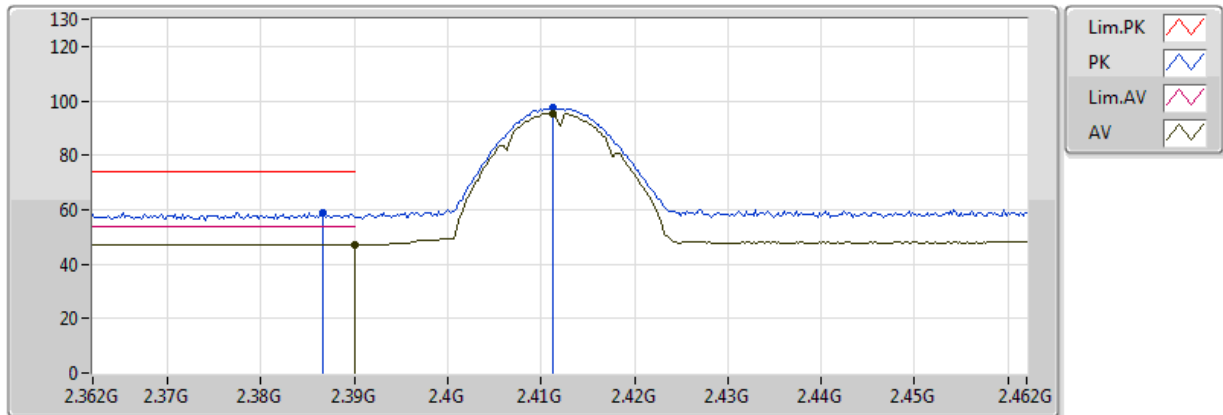


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389998G	48.13	54.00	-5.87	32.01	3	Vertical	191	3.19	-
AV	2.411G	94.08	Inf	-Inf	32.07	3	Vertical	191	3.19	-
PK	2.3862G	59.30	74.00	-14.70	32.00	3	Vertical	191	3.19	-
PK	2.4106G	94.93	Inf	-Inf	32.07	3	Vertical	191	3.19	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

22/08/2018

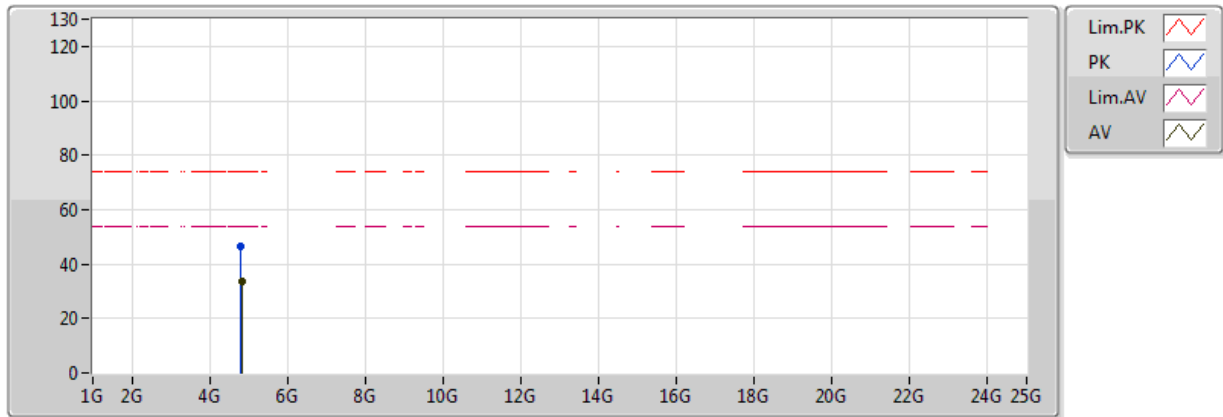


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389998G	47.30	54.00	-6.70	32.01	3	Horizontal	80	1.50	-
AV	2.4112G	95.48	Inf	-Inf	32.07	3	Horizontal	80	1.50	-
PK	2.3866G	58.88	74.00	-15.12	32.00	3	Horizontal	80	1.50	-
PK	2.4112G	97.56	Inf	-Inf	32.07	3	Horizontal	80	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

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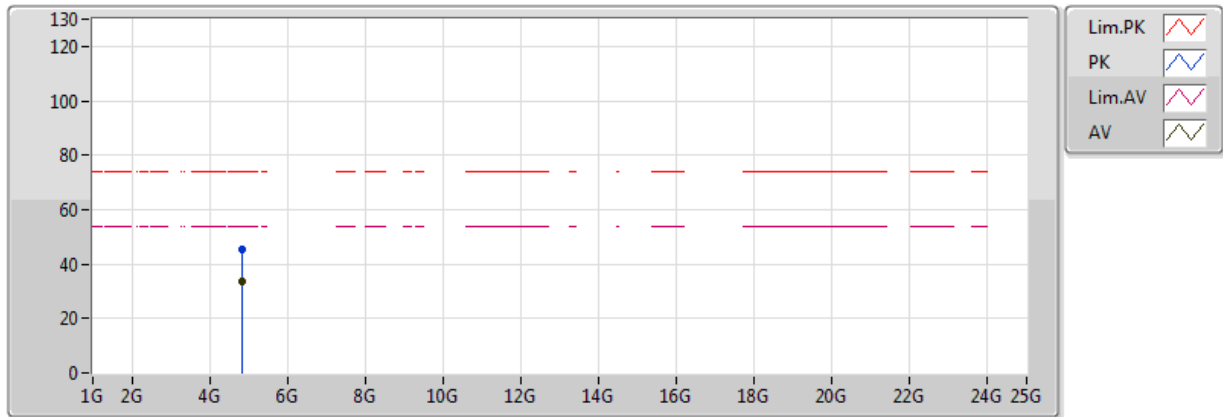


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8261G	33.67	54.00	-20.33	3.39	3	Vertical	65	1.33	-
PK	4.81464G	46.63	74.00	-27.37	3.37	3	Vertical	65	1.33	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

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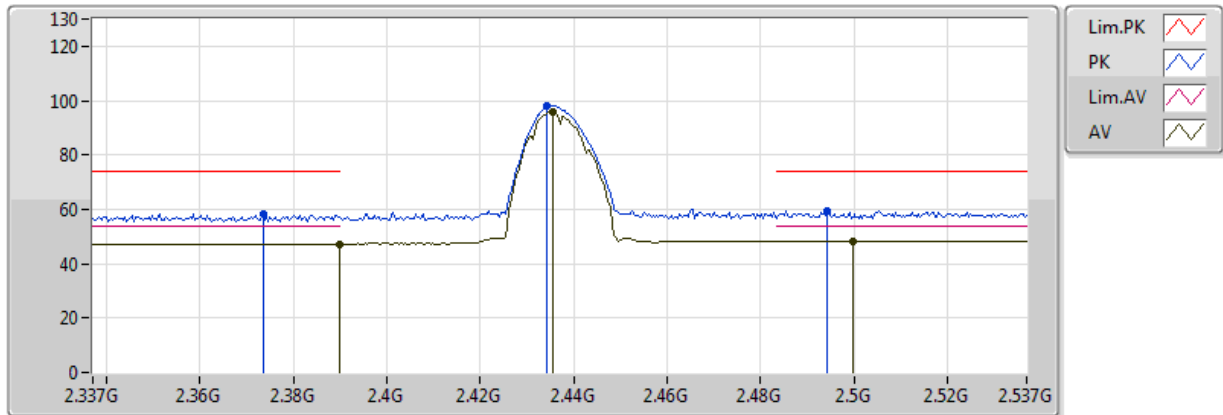


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.81944G	33.66	54.00	-20.34	3.38	3	Horizontal	109	1.50	-
PK	4.83468G	45.55	74.00	-28.45	3.41	3	Horizontal	109	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

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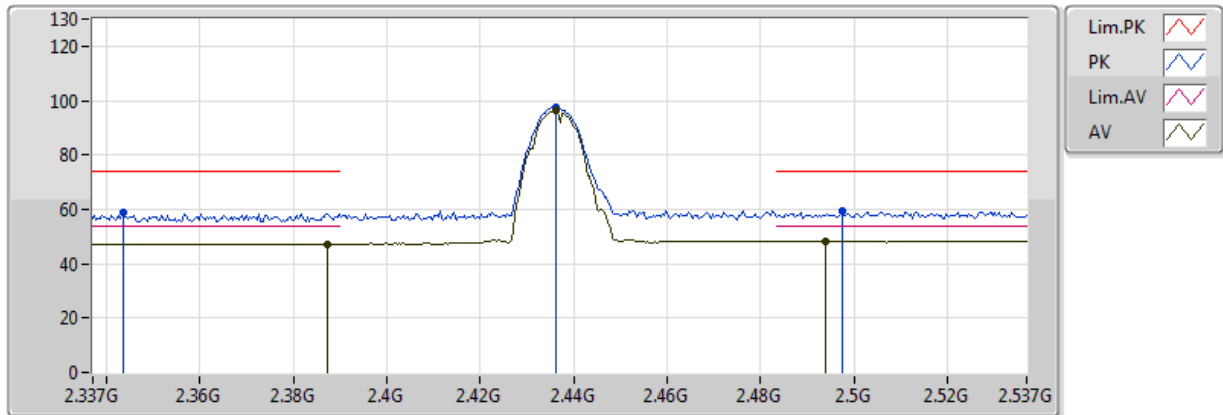


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.30	54.00	-6.70	32.01	3	Vertical	210	3.10	-
AV	2.4354G	95.93	Inf	-Inf	32.15	3	Vertical	210	3.10	-
AV	2.4998G	48.37	54.00	-5.63	32.34	3	Vertical	210	3.10	-
PK	2.3734G	58.36	74.00	-15.64	31.95	3	Vertical	210	3.10	-
PK	2.4342G	97.96	Inf	-Inf	32.14	3	Vertical	210	3.10	-
PK	2.4942G	59.46	74.00	-14.54	32.33	3	Vertical	210	3.10	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

23/08/2018

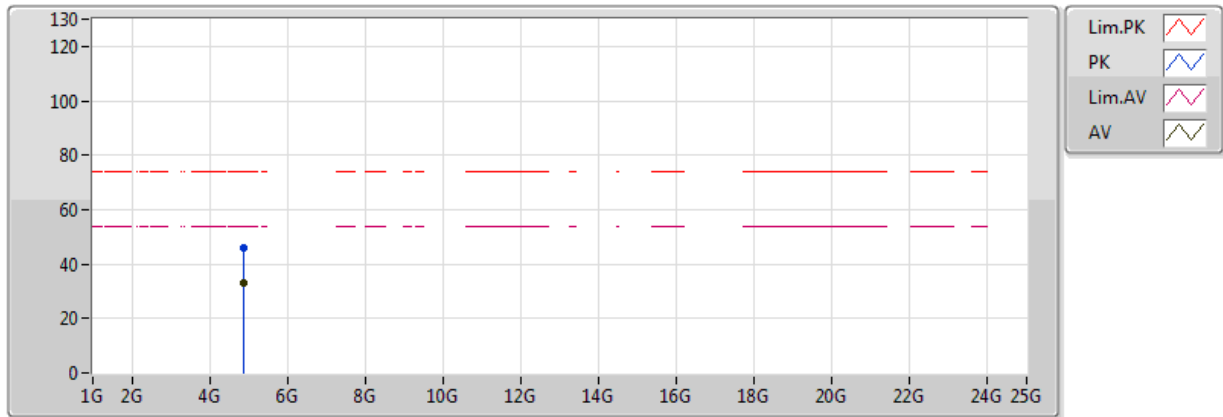


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3874G	47.27	54.00	-6.73	32.00	3	Horizontal	343	1.13	-
AV	2.4362G	96.22	Inf	-Inf	32.15	3	Horizontal	343	1.13	-
AV	2.4938G	48.36	54.00	-5.64	32.33	3	Horizontal	343	1.13	-
PK	2.3434G	58.62	74.00	-15.38	31.84	3	Horizontal	343	1.13	-
PK	2.4362G	97.75	Inf	-Inf	32.15	3	Horizontal	343	1.13	-
PK	2.4974G	59.39	74.00	-14.61	32.33	3	Horizontal	343	1.13	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

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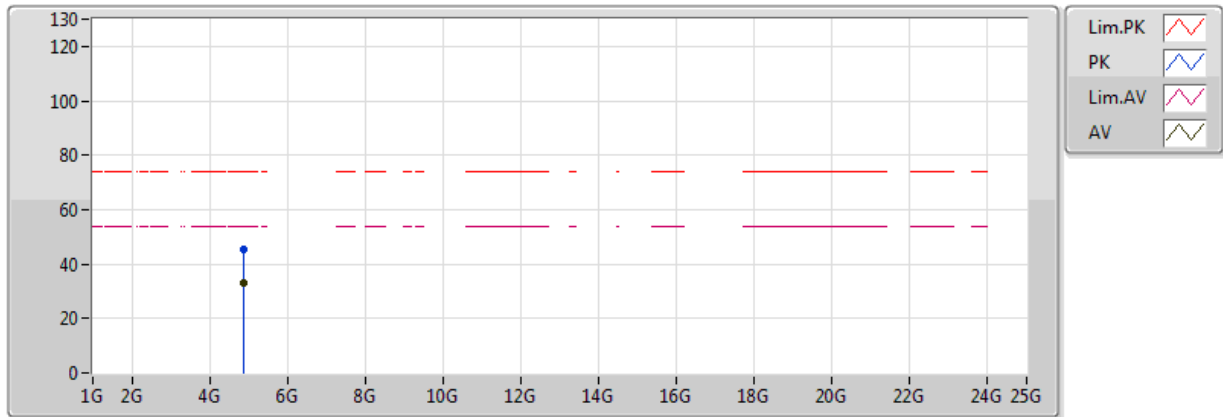


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8737G	33.27	54.00	-20.73	3.51	3	Vertical	205	1.48	-
PK	4.88372G	46.21	74.00	-27.79	3.53	3	Vertical	205	1.48	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

23/08/2018

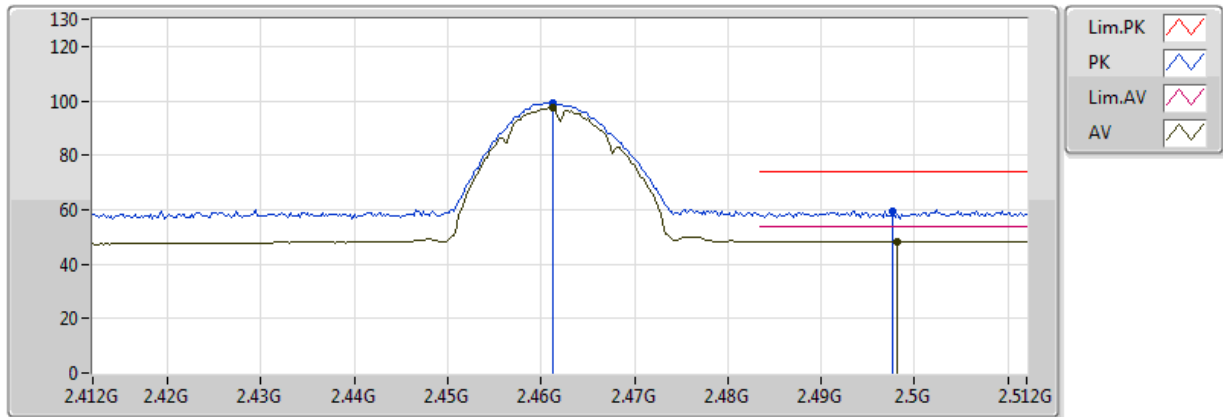


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88318G	33.26	54.00	-20.74	3.53	3	Horizontal	191	1.50	-
PK	4.86968G	45.59	74.00	-28.41	3.50	3	Horizontal	191	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

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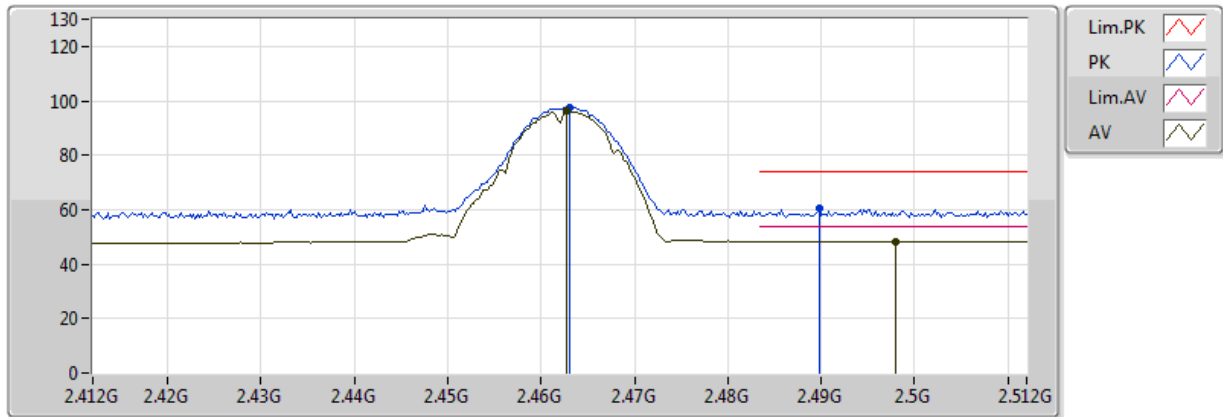


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4612G	97.35	Inf	-Inf	32.22	3	Vertical	205	3.06	-
AV	2.4982G	48.37	54.00	-5.63	32.34	3	Vertical	205	3.06	-
PK	2.4612G	99.44	Inf	-Inf	32.22	3	Vertical	205	3.06	-
PK	2.4976G	59.46	74.00	-14.54	32.33	3	Vertical	205	3.06	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

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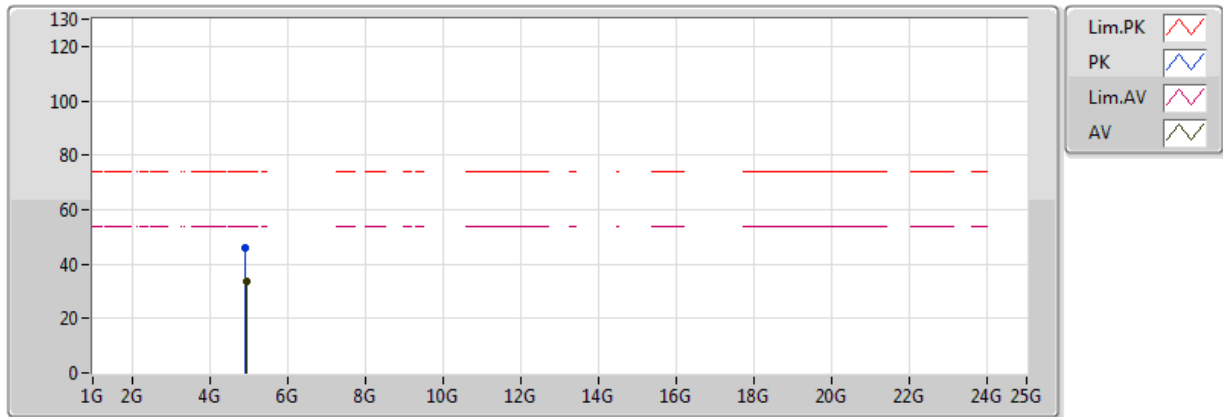


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4628G	96.25	Inf	-Inf	32.23	3	Horizontal	63	1.14	-
AV	2.498G	48.37	54.00	-5.63	32.34	3	Horizontal	63	1.14	-
PK	2.463G	97.73	Inf	-Inf	32.23	3	Horizontal	63	1.14	-
PK	2.4898G	60.79	74.00	-13.21	32.31	3	Horizontal	63	1.14	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

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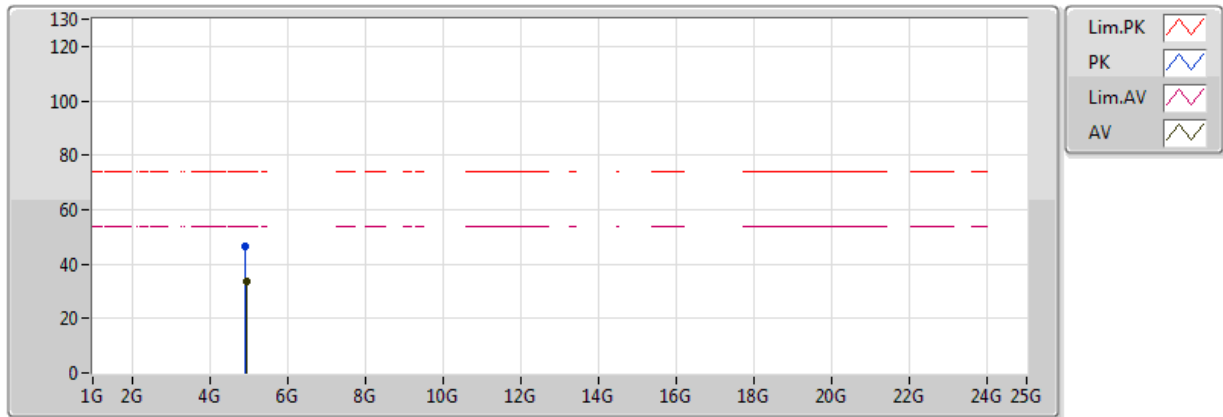


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93798G	33.49	54.00	-20.51	3.66	3	Vertical	251	1.55	-
PK	4.92814G	46.10	74.00	-27.90	3.64	3	Vertical	251	1.55	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

22/08/2018

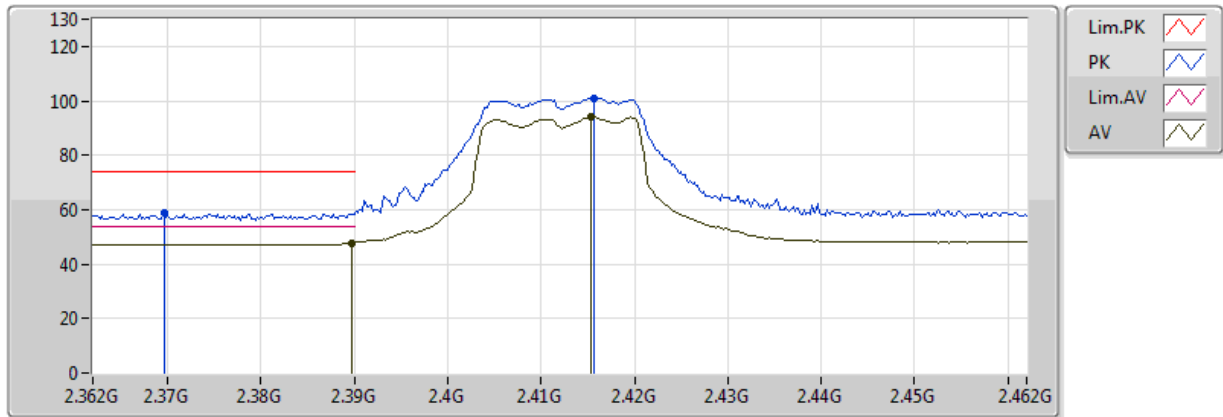


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93890G	33.65	54.00	-20.35	3.66	3	Horizontal	221	1.49	-
PK	4.91692G	46.57	74.00	-27.43	3.61	3	Horizontal	221	1.49	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/08/2018

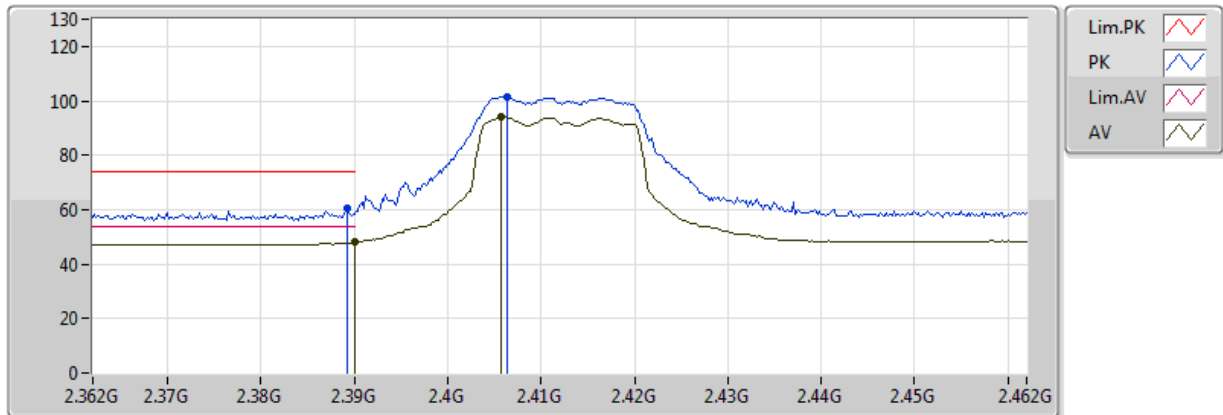


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.86	54.00	-6.14	32.01	3	Vertical	211	3.19	-
AV	2.4154G	94.08	Inf	-Inf	32.09	3	Vertical	211	3.19	-
PK	2.3696G	58.58	74.00	-15.42	31.94	3	Vertical	211	3.19	-
PK	2.4156G	101.04	Inf	-Inf	32.09	3	Vertical	211	3.19	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/08/2018

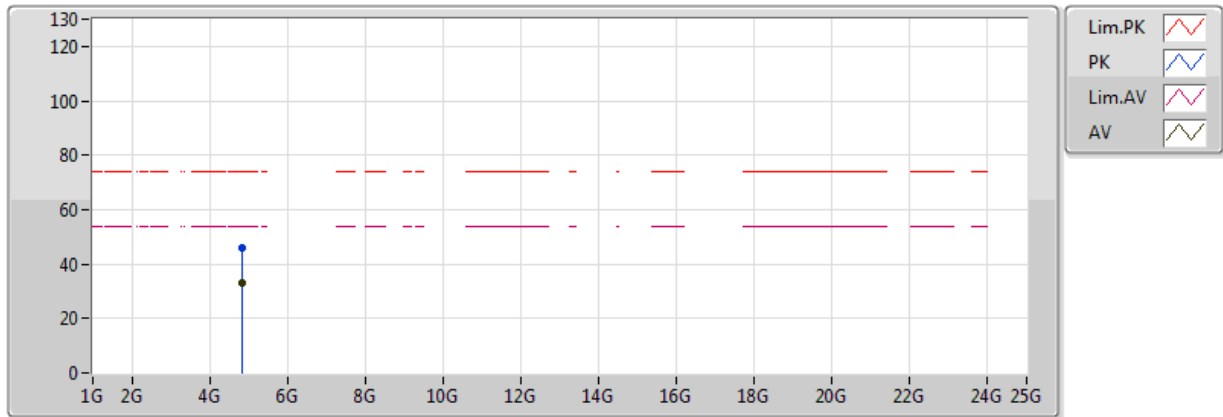


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389998G	48.13	54.00	-5.87	32.01	3	Horizontal	83	1.13	-
AV	2.4058G	93.95	Inf	-Inf	32.06	3	Horizontal	83	1.13	-
PK	2.3892G	60.67	74.00	-13.33	32.00	3	Horizontal	83	1.13	-
PK	2.4064G	101.44	Inf	-Inf	32.06	3	Horizontal	83	1.13	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/08/2018

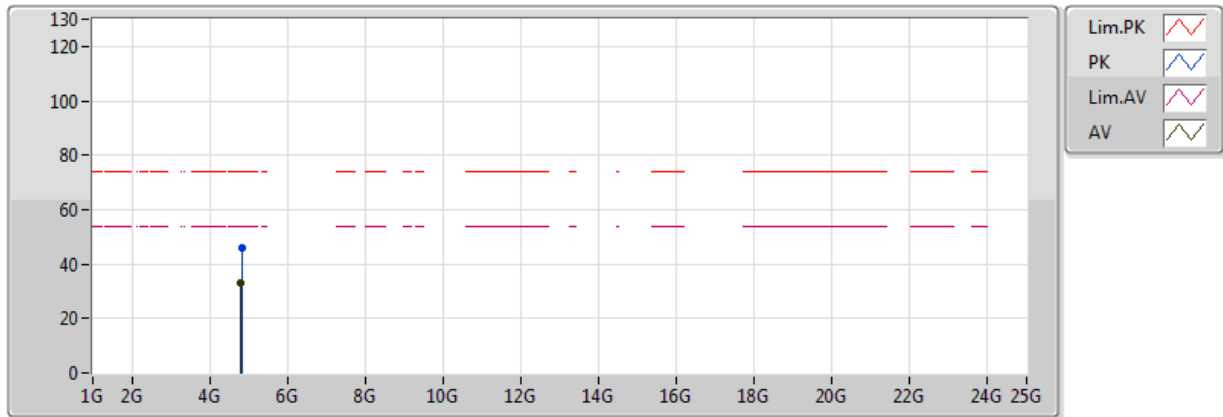


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.82724G	33.11	54.00	-20.89	3.40	3	Vertical	76	2.71	-
PK	4.83522G	45.78	74.00	-28.22	3.41	3	Vertical	76	2.71	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/08/2018

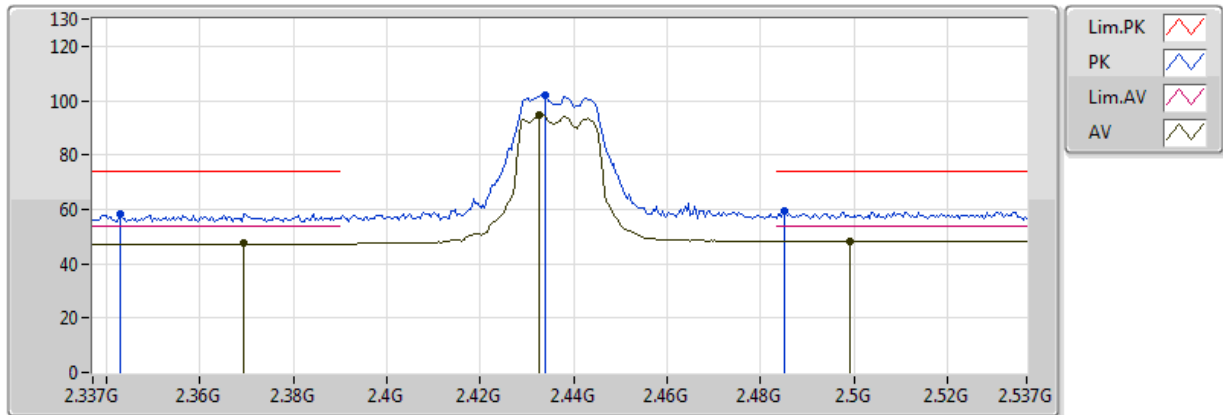


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.81482G	33.10	54.00	-20.90	3.37	3	Horizontal	29	2.06	-
PK	4.82568G	45.82	74.00	-28.18	3.39	3	Horizontal	29	2.06	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/08/2018

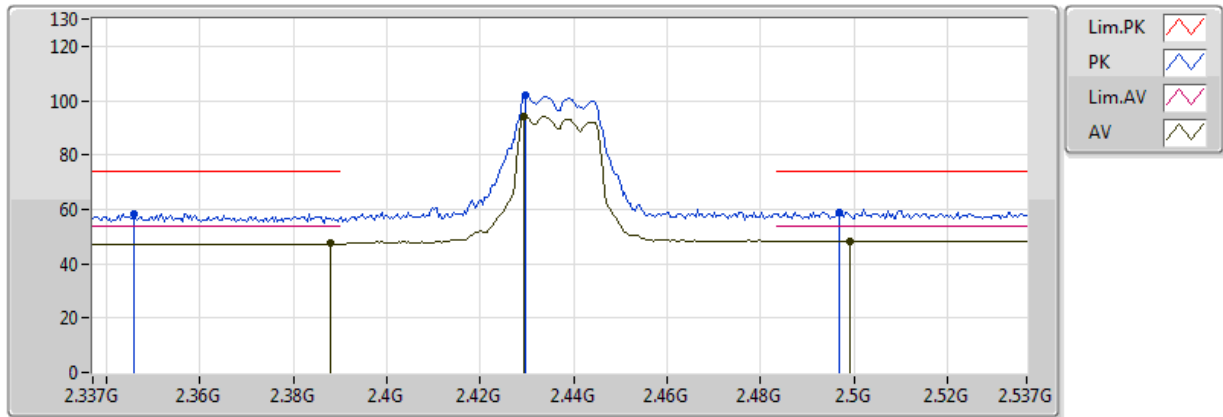


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3694G	47.46	54.00	-6.54	31.94	3	Vertical	210	3.13	-
AV	2.4326G	94.47	Inf	-Inf	32.14	3	Vertical	210	3.13	-
AV	2.499G	48.37	54.00	-5.63	32.34	3	Vertical	210	3.13	-
PK	2.343G	58.24	74.00	-15.76	31.84	3	Vertical	210	3.13	-
PK	2.4338G	102.17	Inf	-Inf	32.14	3	Vertical	210	3.13	-
PK	2.485G	59.42	74.00	-14.58	32.29	3	Vertical	210	3.13	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/08/2018

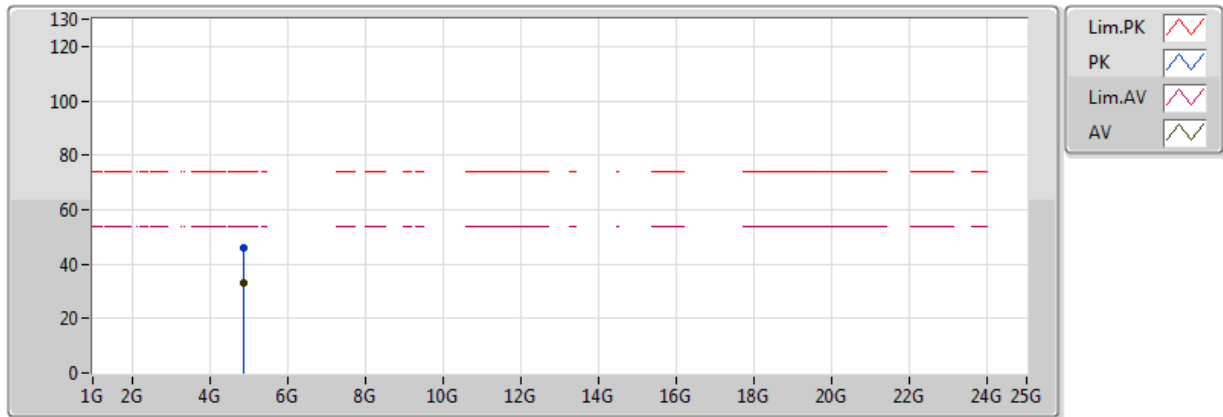


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3878G	47.56	54.00	-6.44	32.00	3	Horizontal	79	1.04	-
AV	2.4294G	94.18	Inf	-Inf	32.13	3	Horizontal	79	1.04	-
AV	2.499G	48.37	54.00	-5.63	32.34	3	Horizontal	79	1.04	-
PK	2.3458G	58.39	74.00	-15.61	31.86	3	Horizontal	79	1.04	-
PK	2.4298G	101.95	Inf	-Inf	32.13	3	Horizontal	79	1.04	-
PK	2.497G	58.99	74.00	-15.01	32.33	3	Horizontal	79	1.04	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/08/2018

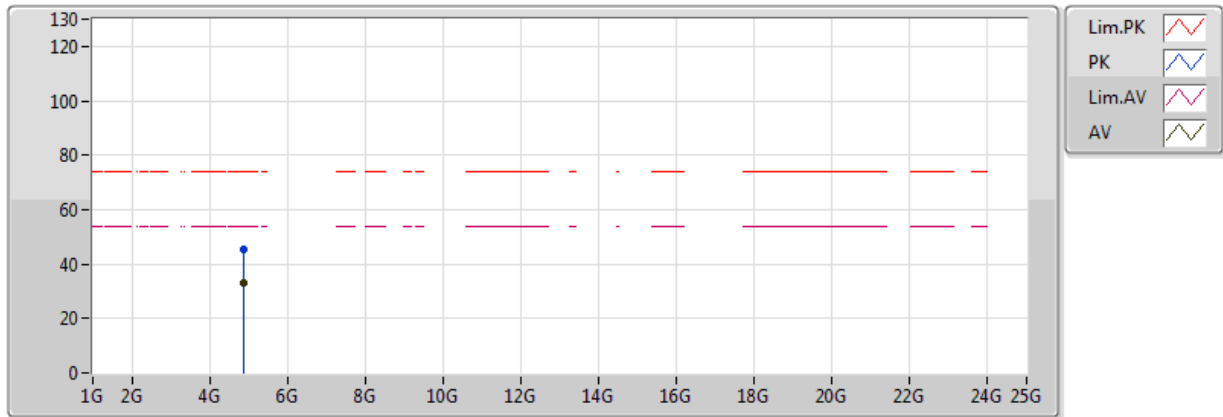


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87238G	33.18	54.00	-20.82	3.50	3	Vertical	127	1.47	-
PK	4.86086G	45.78	74.00	-28.22	3.48	3	Vertical	127	1.47	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/08/2018

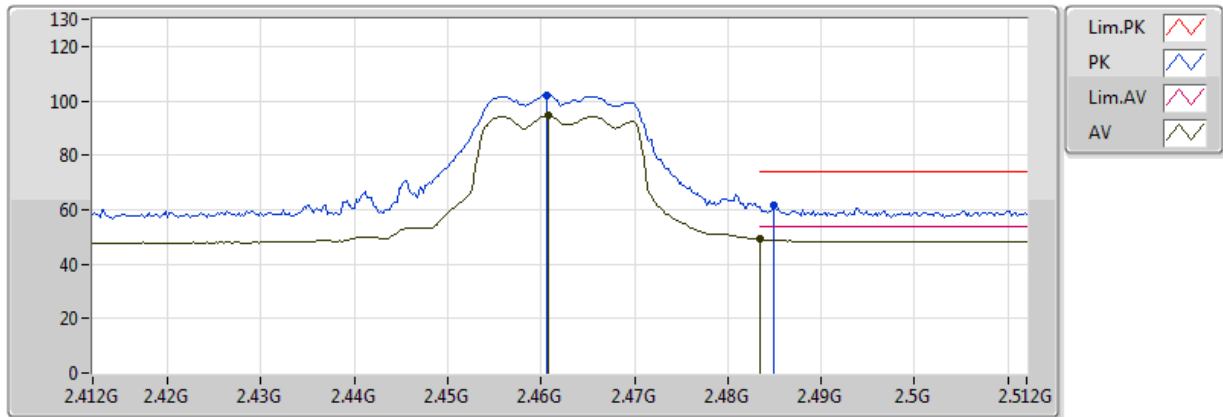


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88108G	33.17	54.00	-20.83	3.52	3	Horizontal	199	1.84	-
PK	4.87418G	45.53	74.00	-28.47	3.51	3	Horizontal	199	1.84	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

23/08/2018

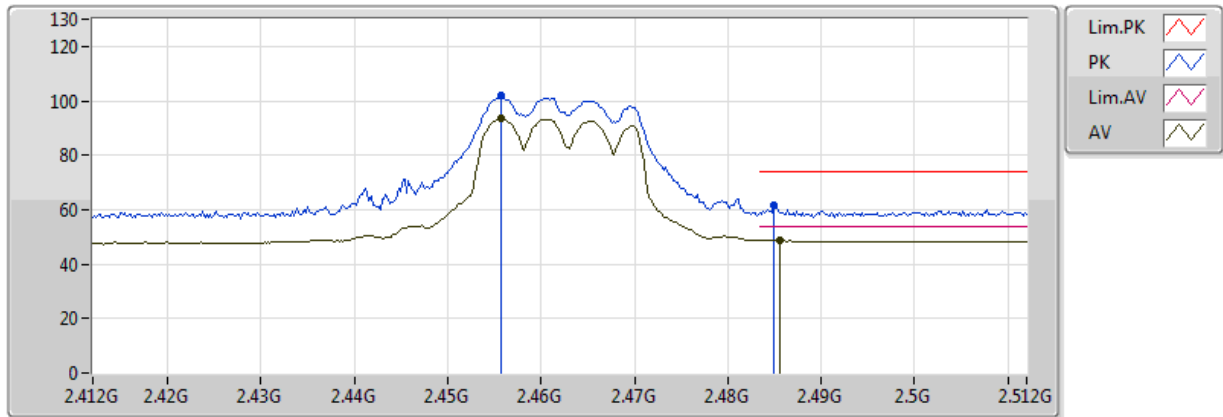


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4608G	94.53	Inf	-Inf	32.22	3	Vertical	198	3.06	-
AV	2.483502G	49.14	54.00	-4.86	32.29	3	Vertical	198	3.06	-
PK	2.4606G	102.07	Inf	-Inf	32.22	3	Vertical	198	3.06	-
PK	2.485G	61.46	74.00	-12.54	32.29	3	Vertical	198	3.06	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

23/08/2018

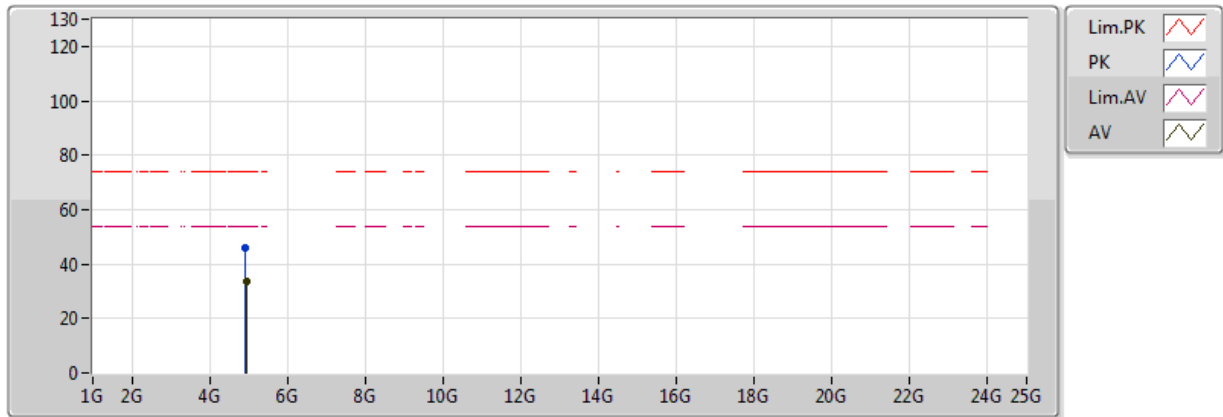


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4558G	93.40	Inf	-Inf	32.21	3	Horizontal	325	1.13	-
AV	2.4856G	48.61	54.00	-5.39	32.30	3	Horizontal	325	1.13	-
PK	2.4558G	101.90	Inf	-Inf	32.21	3	Horizontal	325	1.13	-
PK	2.485G	61.52	74.00	-12.48	32.29	3	Horizontal	325	1.13	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

23/08/2018

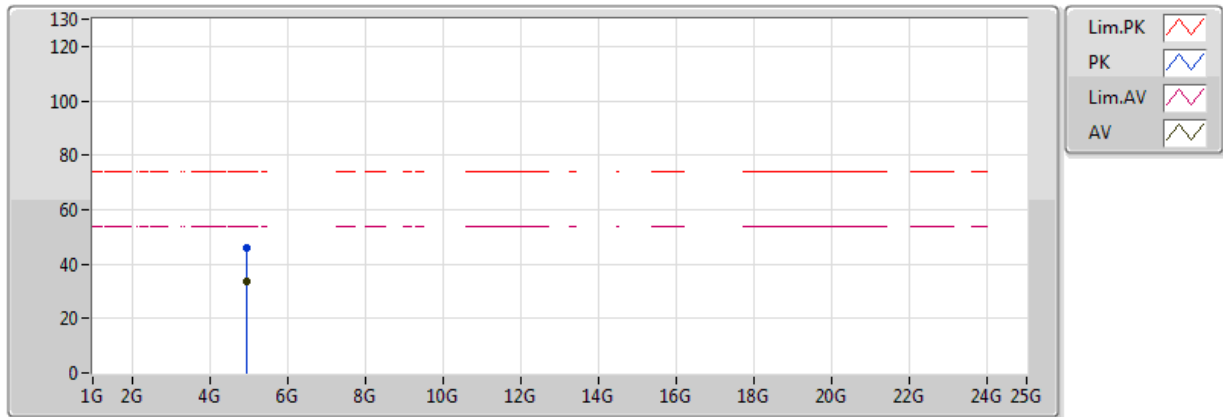


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93876G	33.41	54.00	-20.59	3.66	3	Vertical	360	1.70	-
PK	4.93264G	45.87	74.00	-28.13	3.65	3	Vertical	360	1.70	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

23/08/2018

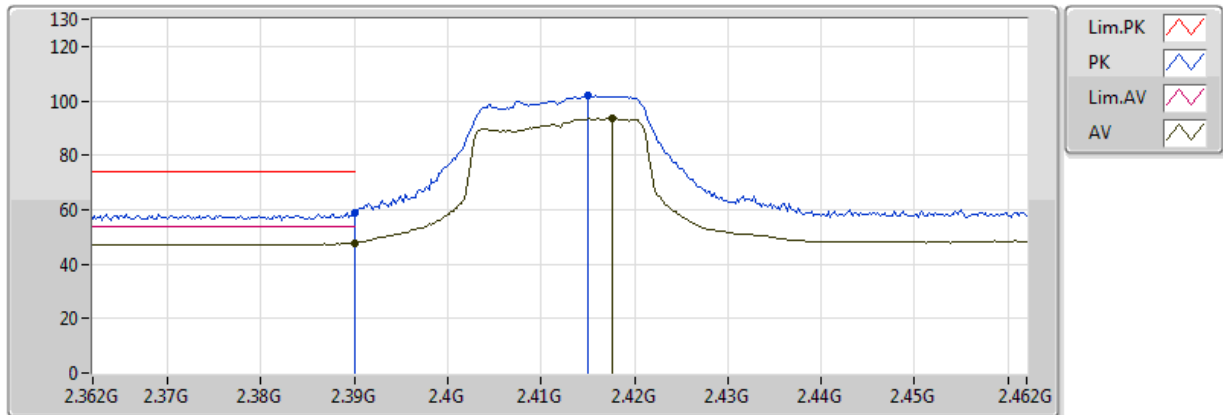


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93876G	33.41	54.00	-20.59	3.66	3	Horizontal	153	2.04	-
PK	4.93882G	45.88	74.00	-28.12	3.66	3	Horizontal	153	2.04	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

23/08/2018

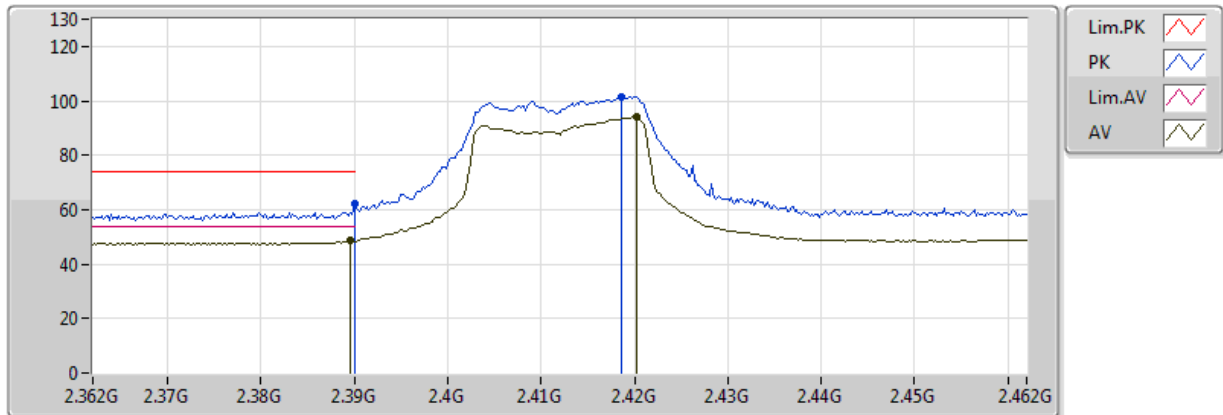


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389998G	47.86	54.00	-6.14	32.01	3	Vertical	209	3.19	-
AV	2.4176G	93.50	Inf	-Inf	32.09	3	Vertical	209	3.19	-
PK	2.389998G	58.92	74.00	-15.08	32.01	3	Vertical	209	3.19	-
PK	2.415G	102.16	Inf	-Inf	32.09	3	Vertical	209	3.19	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

23/08/2018

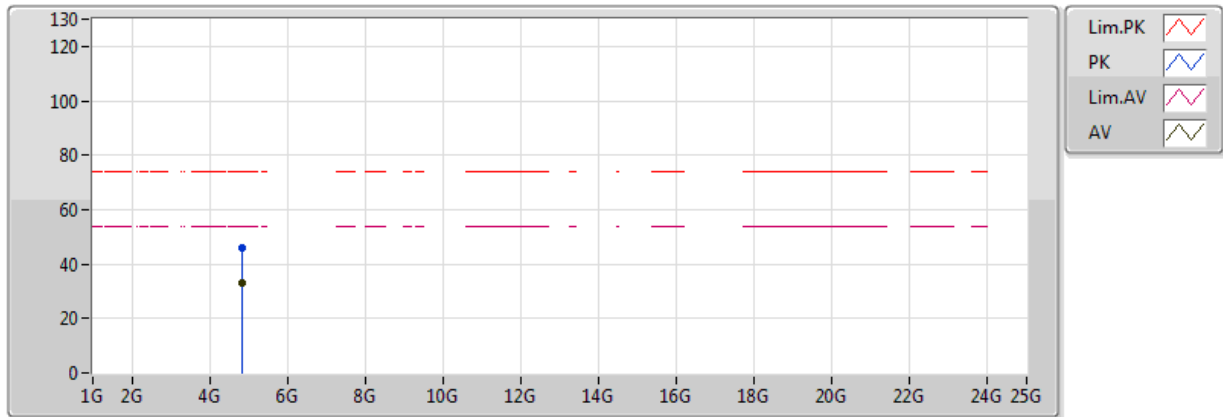


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	48.64	54.00	-5.36	32.01	3	Horizontal	82	1.37	-
AV	2.4202G	94.10	Inf	-Inf	32.10	3	Horizontal	82	1.37	-
PK	2.389998G	62.00	74.00	-12.00	32.01	3	Horizontal	82	1.37	-
PK	2.4186G	101.48	Inf	-Inf	32.10	3	Horizontal	82	1.37	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

23/08/2018

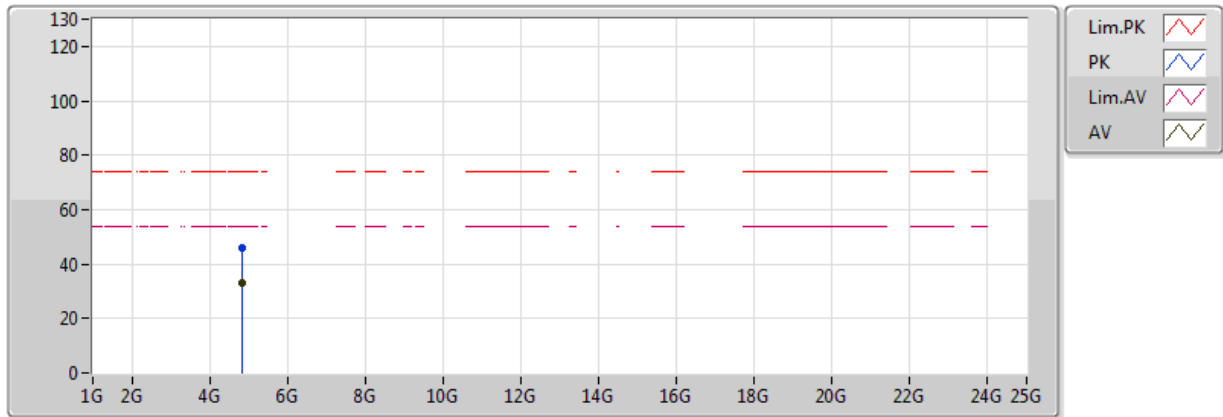


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.81758G	33.06	54.00	-20.94	3.37	3	Vertical	351	1.50	-
PK	4.83816G	46.14	74.00	-27.86	3.42	3	Vertical	351	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

23/08/2018

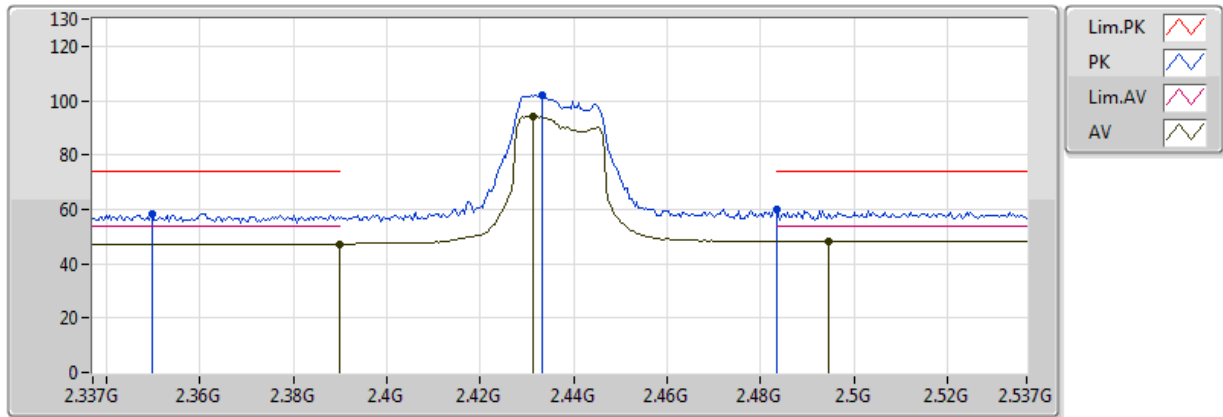


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.82562G	33.05	54.00	-20.95	3.39	3	Horizontal	328	2.15	-
PK	4.83348G	46.17	74.00	-27.83	3.41	3	Horizontal	328	2.15	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

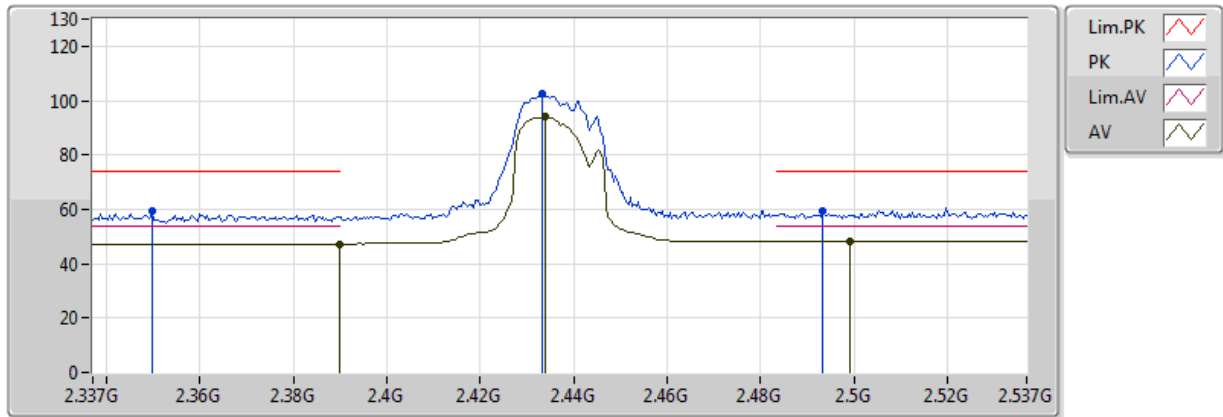


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.30	54.00	-6.70	32.01	3	Vertical	212	3.12	-
AV	2.4314G	94.27	Inf	-Inf	32.13	3	Vertical	212	3.12	-
AV	2.4946G	48.36	54.00	-5.64	32.33	3	Vertical	212	3.12	-
PK	2.3498G	58.37	74.00	-15.63	31.87	3	Vertical	212	3.12	-
PK	2.4334G	102.17	Inf	-Inf	32.14	3	Vertical	212	3.12	-
PK	2.483502G	59.72	74.00	-14.28	32.29	3	Vertical	212	3.12	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

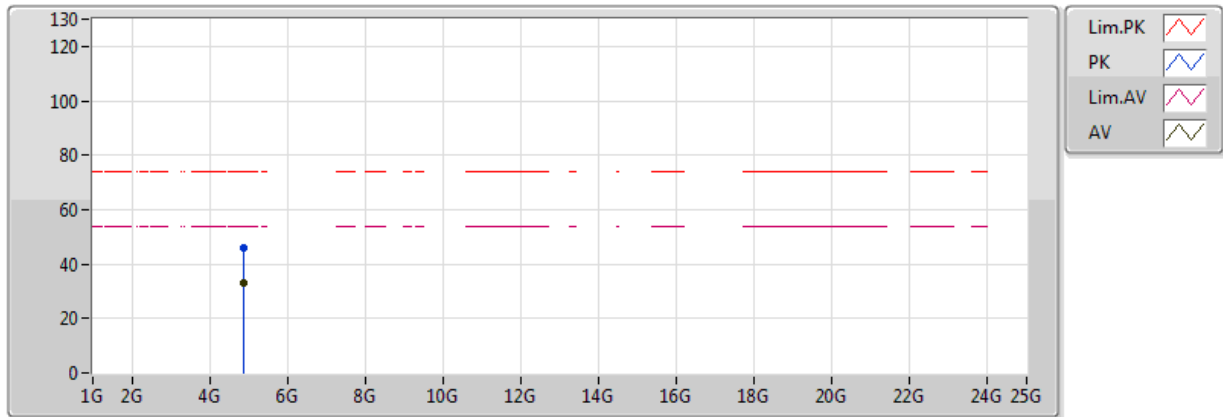


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.30	54.00	-6.70	32.01	3	Horizontal	337	1.20	-
AV	2.4338G	93.99	Inf	-Inf	32.14	3	Horizontal	337	1.20	-
AV	2.499G	48.37	54.00	-5.63	32.34	3	Horizontal	337	1.20	-
PK	2.3498G	59.64	74.00	-14.36	31.87	3	Horizontal	337	1.20	-
PK	2.4334G	102.55	Inf	-Inf	32.14	3	Horizontal	337	1.20	-
PK	2.4934G	59.22	74.00	-14.78	32.32	3	Horizontal	337	1.20	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

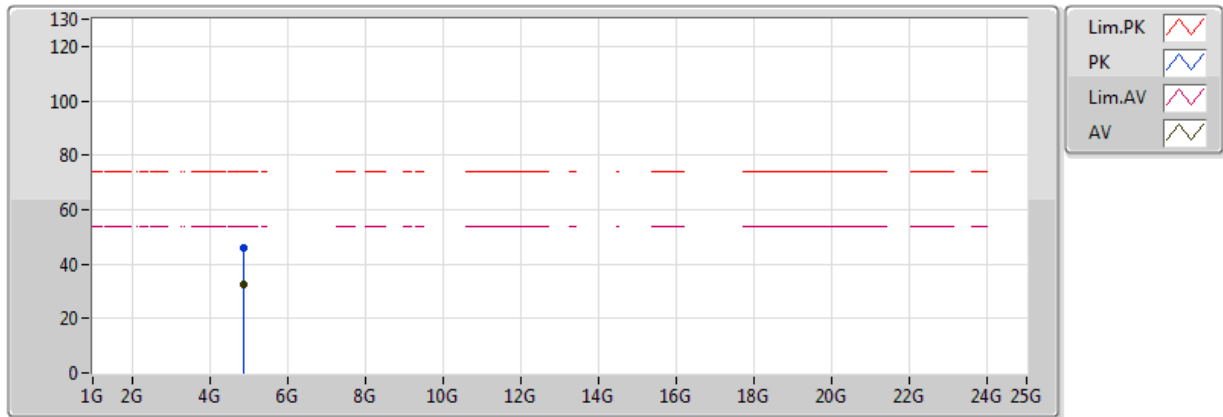


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87076G	33.10	54.00	-20.90	3.50	3	Vertical	350	1.67	-
PK	4.8737G	46.07	74.00	-27.93	3.51	3	Vertical	350	1.67	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

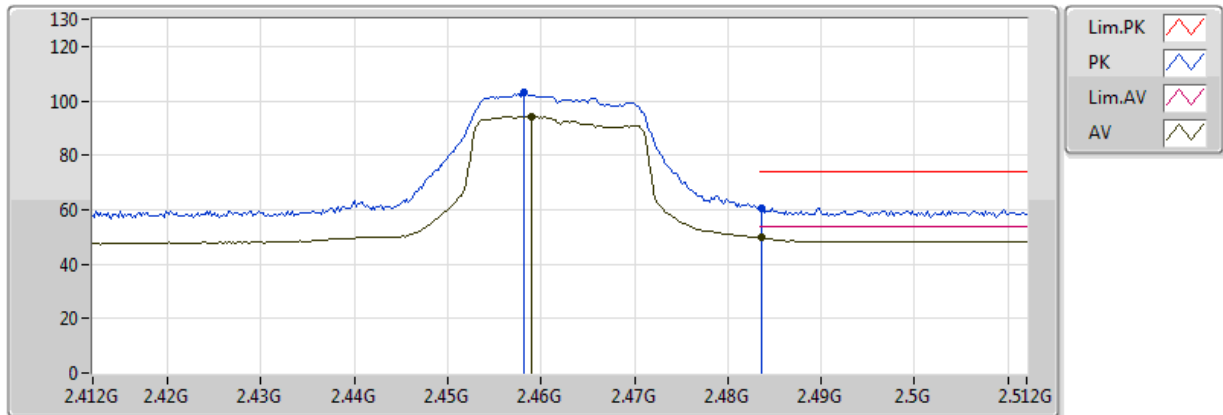


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87094G	32.70	54.00	-21.30	3.50	3	Horizontal	360	1.41	-
PK	4.88234G	45.94	74.00	-28.06	3.53	3	Horizontal	360	1.41	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

23/08/2018

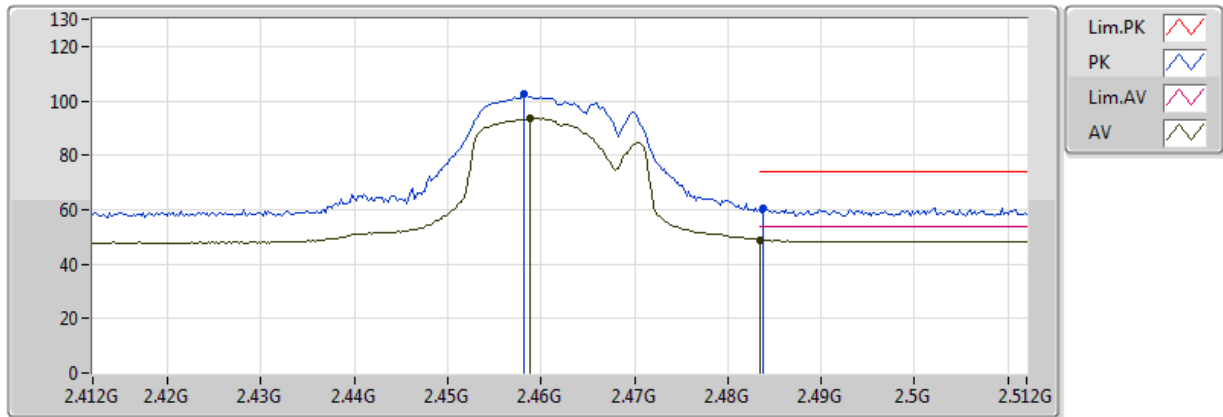


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.459G	94.34	Inf	-Inf	32.22	3	Vertical	206	3.06	-
AV	2.4836G	49.65	54.00	-4.35	32.29	3	Vertical	206	3.06	-
PK	2.4582G	103.18	Inf	-Inf	32.21	3	Vertical	206	3.06	-
PK	2.4836G	60.70	74.00	-13.30	32.29	3	Vertical	206	3.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

23/08/2018

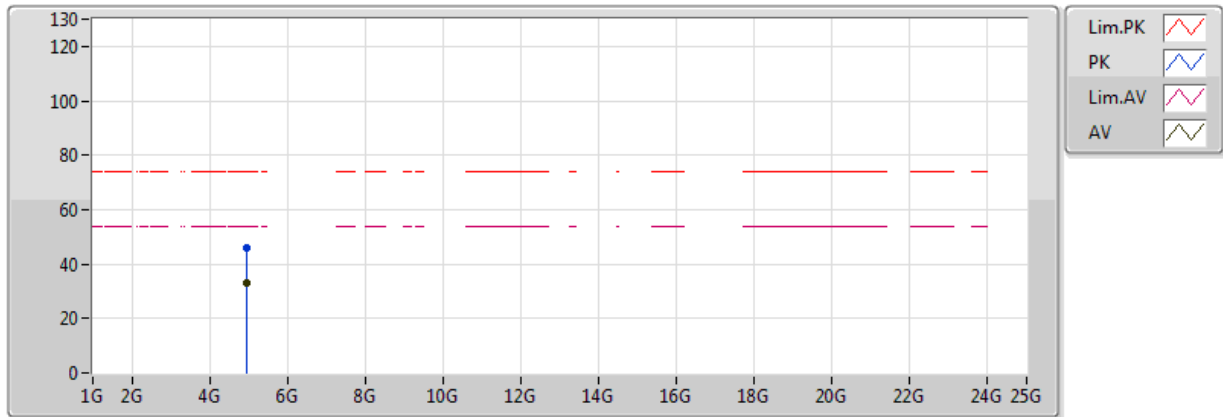


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4588G	93.54	Inf	-Inf	32.22	3	Horizontal	334	1.11	-
AV	2.483502G	48.88	54.00	-5.12	32.29	3	Horizontal	334	1.11	-
PK	2.4582G	102.51	Inf	-Inf	32.21	3	Horizontal	334	1.11	-
PK	2.4838G	60.36	74.00	-13.64	32.29	3	Horizontal	334	1.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

23/08/2018

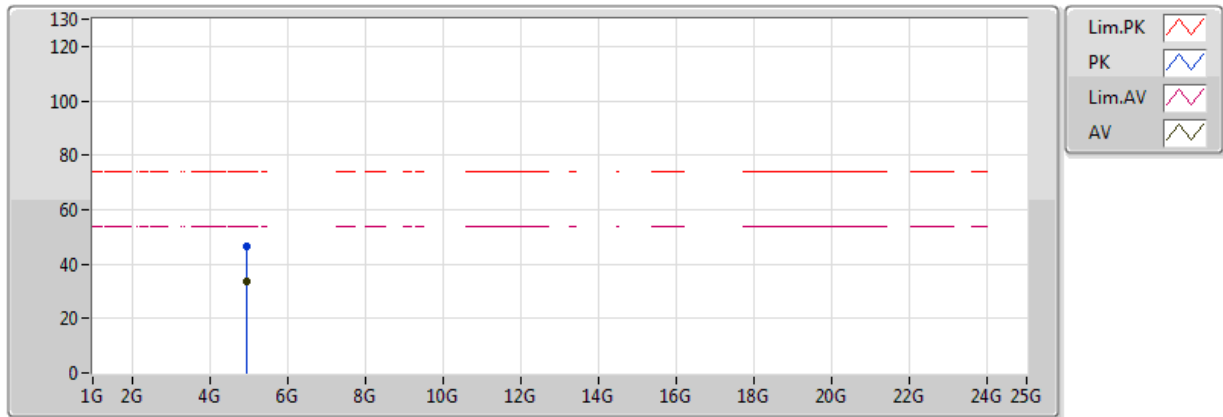


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93834G	33.16	54.00	-20.84	3.66	3	Vertical	50	1.85	-
PK	4.93894G	46.15	74.00	-27.85	3.66	3	Vertical	50	1.85	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

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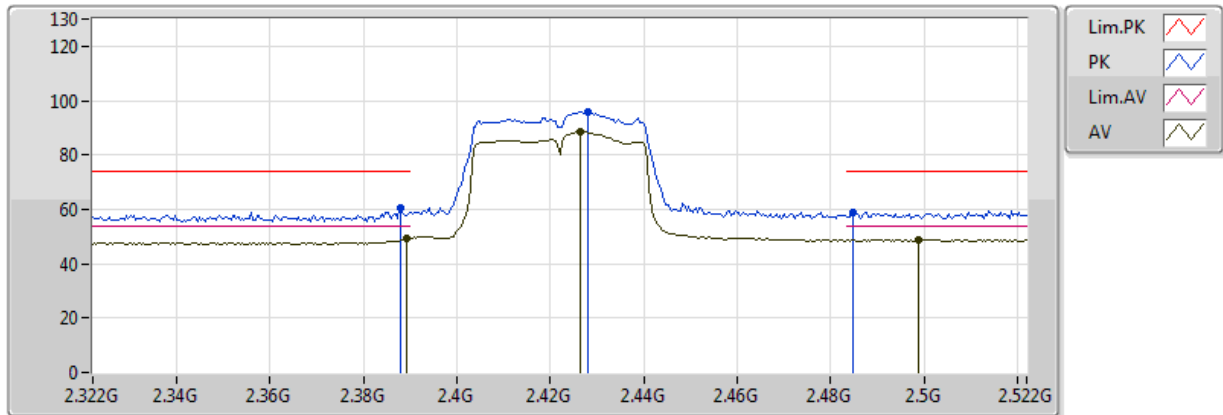


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93762G	33.40	54.00	-20.60	3.66	3	Horizontal	218	2.54	-
PK	4.93756G	46.41	74.00	-27.59	3.66	3	Horizontal	218	2.54	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

23/08/2018

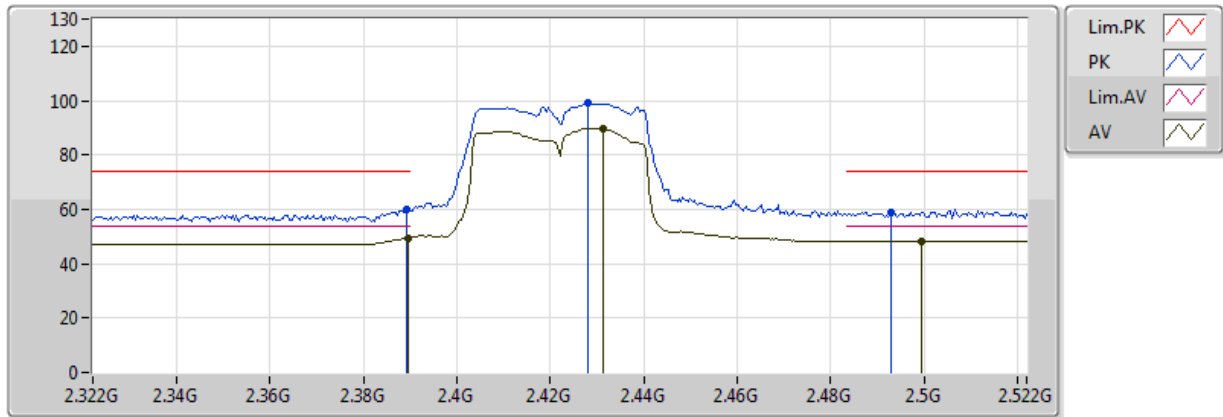


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3892G	49.57	54.00	-4.43	32.00	3	Vertical	226	3.19	-
AV	2.4264G	88.51	Inf	-Inf	32.12	3	Vertical	226	3.19	-
AV	2.4988G	48.66	54.00	-5.34	32.34	3	Vertical	226	3.19	-
PK	2.388G	60.42	74.00	-13.58	32.00	3	Vertical	226	3.19	-
PK	2.428G	95.78	Inf	-Inf	32.12	3	Vertical	226	3.19	-
PK	2.4848G	59.11	74.00	-14.89	32.29	3	Vertical	226	3.19	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

23/08/2018

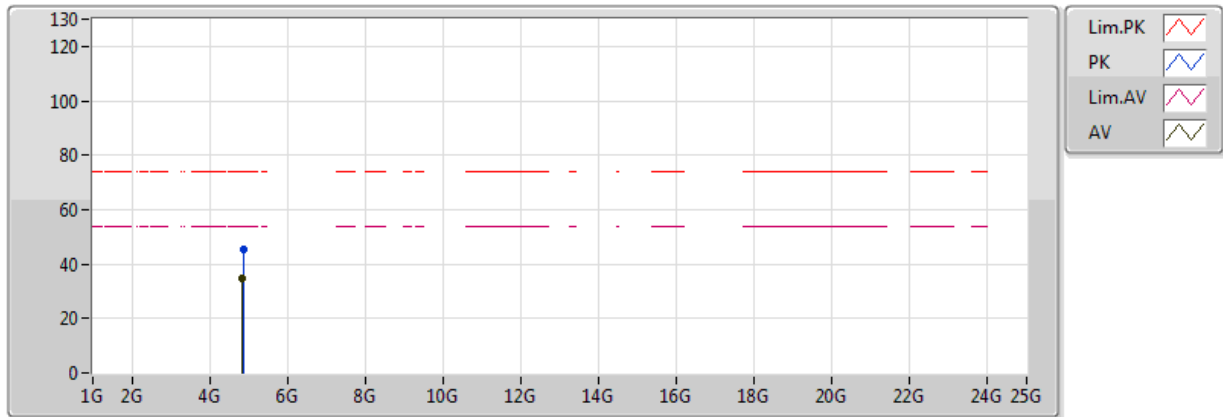


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	49.58	54.00	-4.42	32.01	3	Horizontal	82	1.06	-
AV	2.4312G	89.71	Inf	-Inf	32.13	3	Horizontal	82	1.06	-
AV	2.4996G	48.37	54.00	-5.63	32.34	3	Horizontal	82	1.06	-
PK	2.3892G	60.19	74.00	-13.81	32.00	3	Horizontal	82	1.06	-
PK	2.428G	98.92	Inf	-Inf	32.12	3	Horizontal	82	1.06	-
PK	2.4928G	58.98	74.00	-15.02	32.32	3	Horizontal	82	1.06	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

23/08/2018

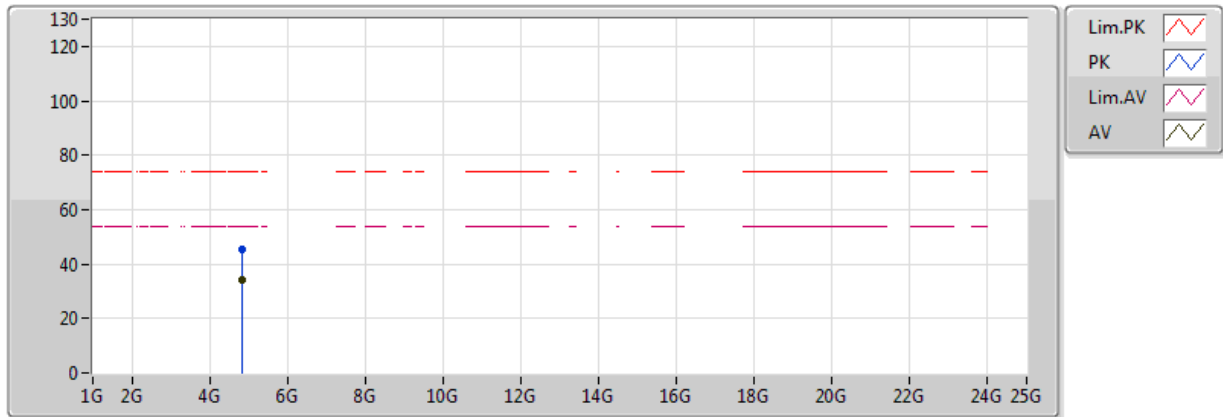


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.85534G	34.72	54.00	-19.28	3.46	3	Vertical	66	3.18	-
PK	4.8572G	45.25	74.00	-28.75	3.47	3	Vertical	66	3.18	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

23/08/2018

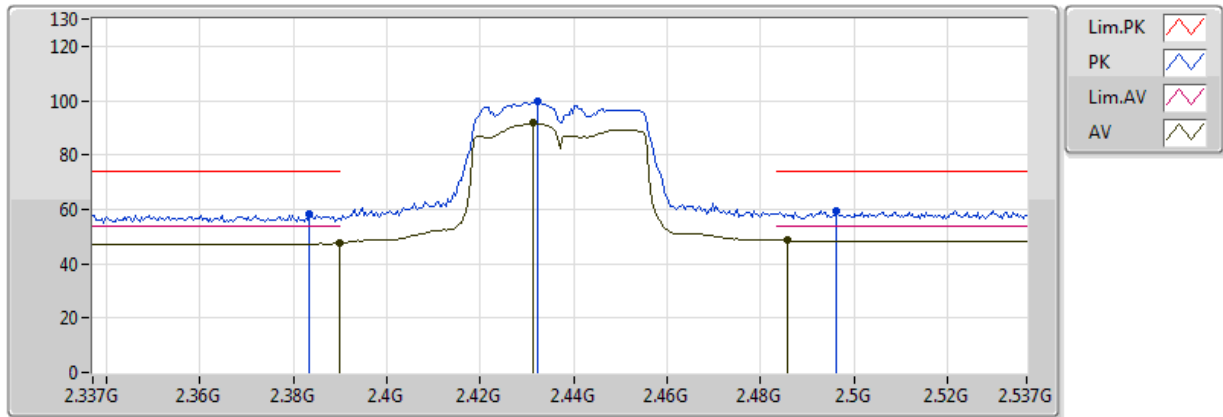


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.853G	34.46	54.00	-19.54	3.46	3	Horizontal	236	1.50	-
PK	4.83044G	45.27	74.00	-28.73	3.40	3	Horizontal	236	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

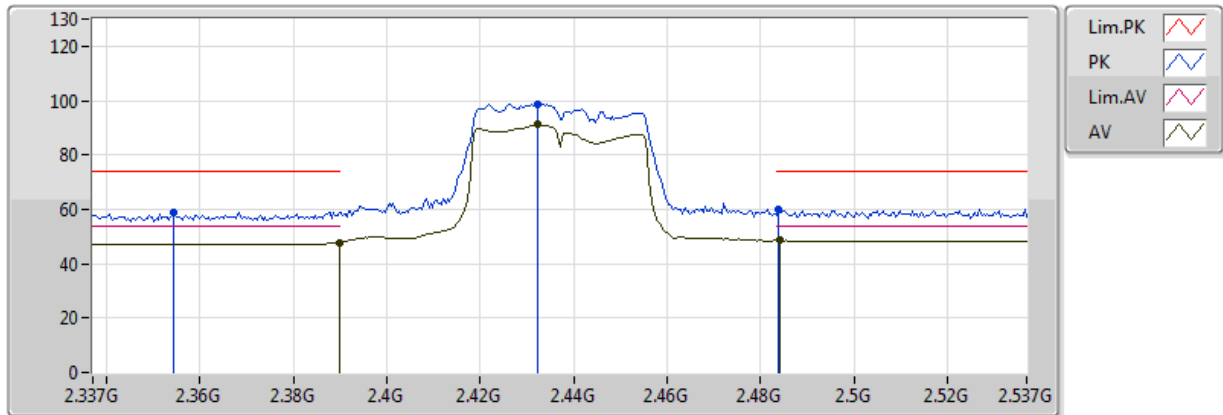


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.59	54.00	-6.41	32.01	3	Vertical	210	3.14	-
AV	2.4314G	91.63	Inf	-Inf	32.13	3	Vertical	210	3.14	-
AV	2.4858G	48.61	54.00	-5.39	32.30	3	Vertical	210	3.14	-
PK	2.3834G	58.32	74.00	-15.68	31.98	3	Vertical	210	3.14	-
PK	2.4322G	99.48	Inf	-Inf	32.14	3	Vertical	210	3.14	-
PK	2.4962G	59.23	74.00	-14.77	32.33	3	Vertical	210	3.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

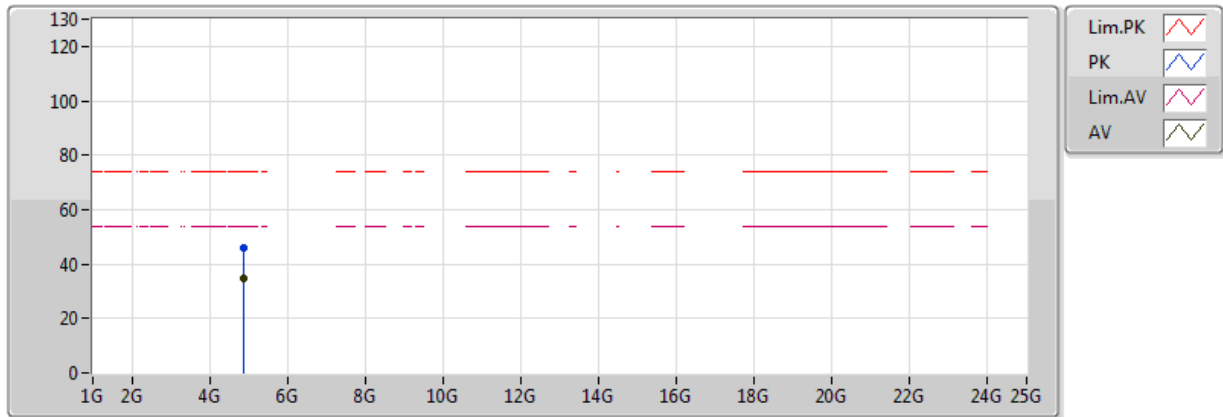


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	47.86	54.00	-6.14	32.01	3	Horizontal	81	1.36	-
AV	2.4322G	91.12	Inf	-Inf	32.14	3	Horizontal	81	1.36	-
AV	2.4842G	48.60	54.00	-5.40	32.29	3	Horizontal	81	1.36	-
PK	2.3542G	59.07	74.00	-14.93	31.88	3	Horizontal	81	1.36	-
PK	2.4322G	98.85	Inf	-Inf	32.14	3	Horizontal	81	1.36	-
PK	2.4838G	59.79	74.00	-14.21	32.29	3	Horizontal	81	1.36	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

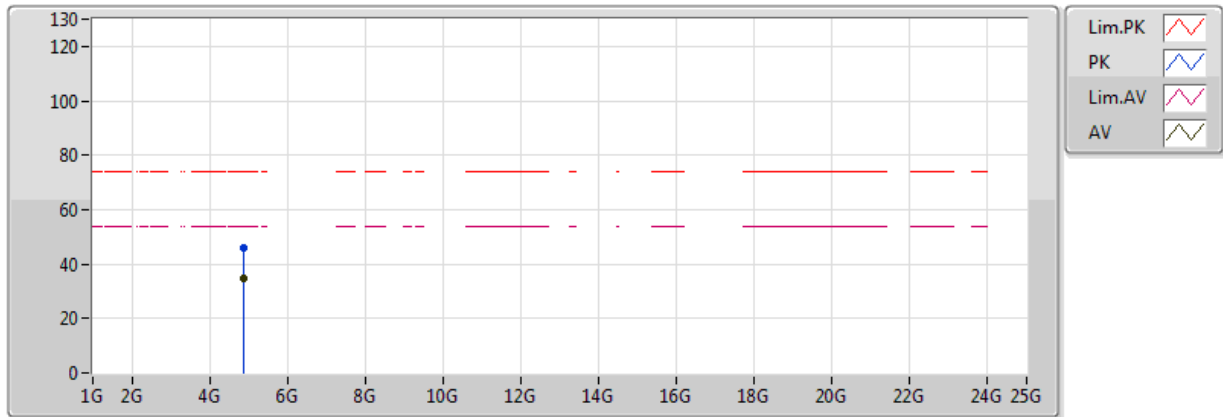


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88684G	34.68	54.00	-19.32	3.54	3	Vertical	181	1.89	-
PK	4.86494G	45.83	74.00	-28.17	3.49	3	Vertical	181	1.89	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

23/08/2018

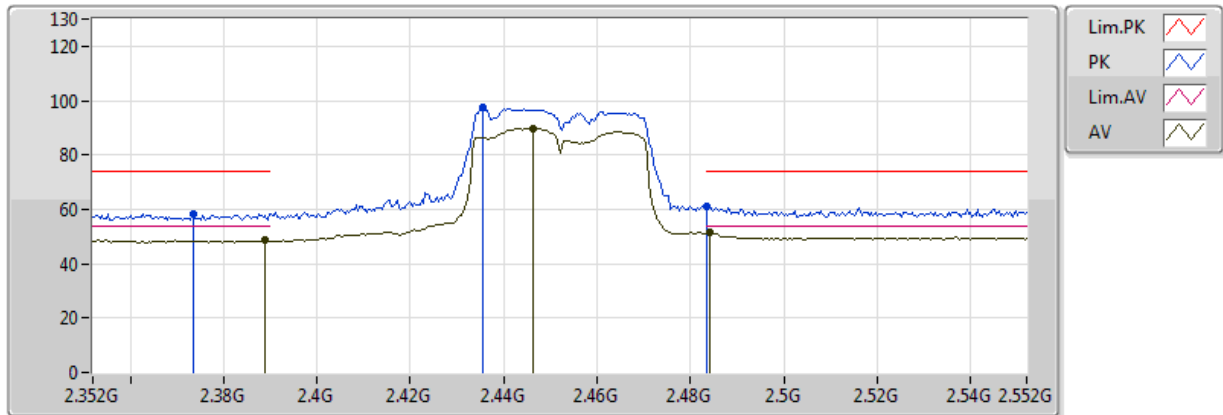


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88072G	34.78	54.00	-19.22	3.52	3	Horizontal	351	1.49	-
PK	4.87298G	45.94	74.00	-28.06	3.51	3	Horizontal	351	1.49	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

23/08/2018

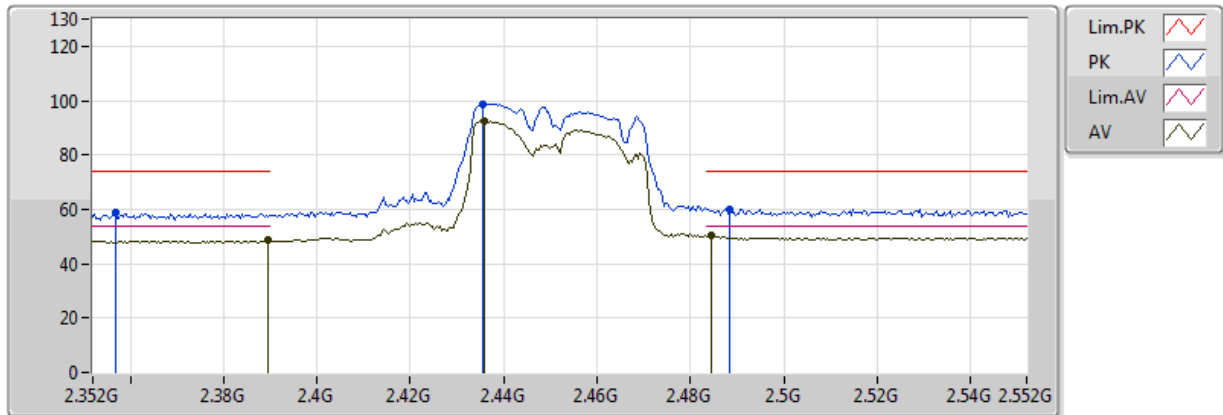


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3888G	48.62	54.00	-5.38	32.00	3	Vertical	193	3.14	-
AV	2.4464G	89.62	Inf	-Inf	32.18	3	Vertical	193	3.14	-
AV	2.484G	51.64	54.00	-2.36	32.29	3	Vertical	193	3.14	-
PK	2.3736G	58.44	74.00	-15.56	31.95	3	Vertical	193	3.14	-
PK	2.4356G	97.75	Inf	-Inf	32.15	3	Vertical	193	3.14	-
PK	2.483502G	60.96	74.00	-13.04	32.29	3	Vertical	193	3.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

23/08/2018

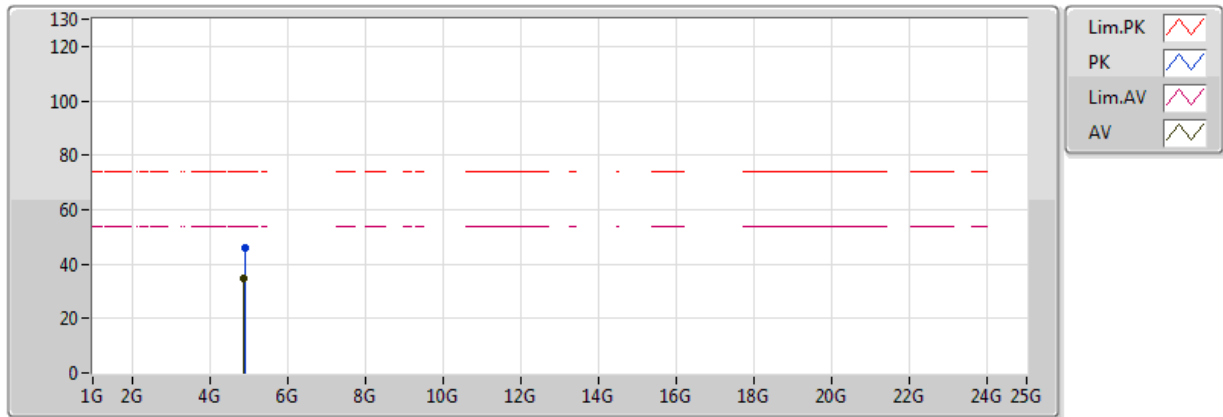


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	48.64	54.00	-5.36	32.01	3	Horizontal	335	1.18	-
AV	2.436G	92.58	Inf	-Inf	32.15	3	Horizontal	335	1.18	-
AV	2.4844G	50.59	54.00	-3.41	32.29	3	Horizontal	335	1.18	-
PK	2.3568G	58.78	74.00	-15.22	31.90	3	Horizontal	335	1.18	-
PK	2.4356G	98.86	Inf	-Inf	32.15	3	Horizontal	335	1.18	-
PK	2.4884G	60.17	74.00	-13.83	32.30	3	Horizontal	335	1.18	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

23/08/2018

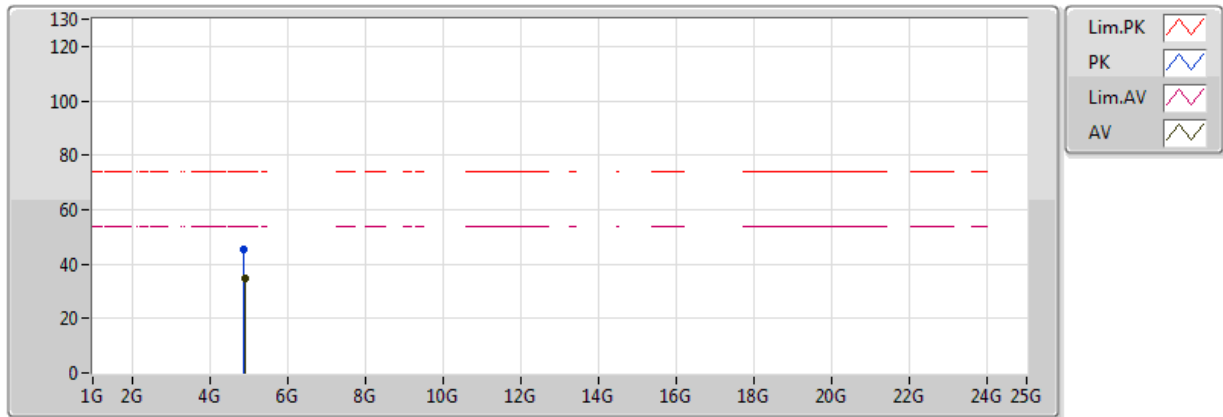


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.89278G	34.81	54.00	-19.19	3.55	3	Vertical	85	1.17	-
PK	4.9019G	46.10	74.00	-27.90	3.57	3	Vertical	85	1.17	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

23/08/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.90766G	34.67	54.00	-19.33	3.59	3	Horizontal	195	1.85	-
PK	4.89116G	45.33	74.00	-28.67	3.55	3	Horizontal	195	1.85	-

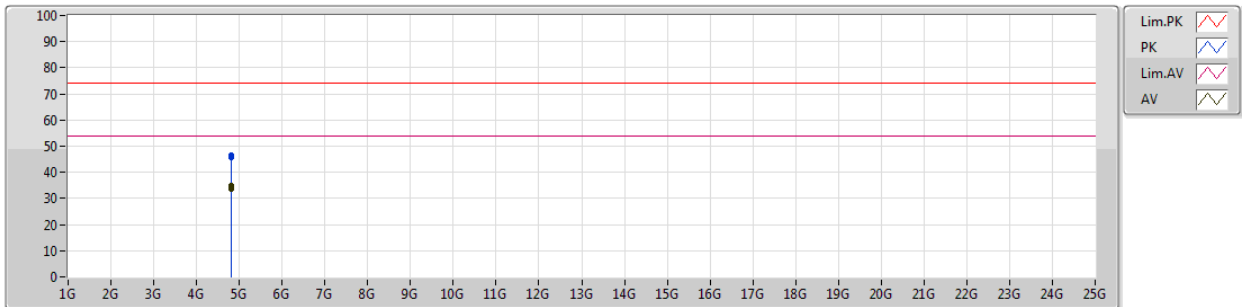


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
1	Pass	PK	4.80299G	45.94	54.00	-8.06	2.07	3	Horizontal	237	1.26	-
2	Pass	AV	10.36876G	45.62	54.00	-8.38	12.66	3	Horizontal	50	1.28	-

Radiation-above 1GHz_Mode 1

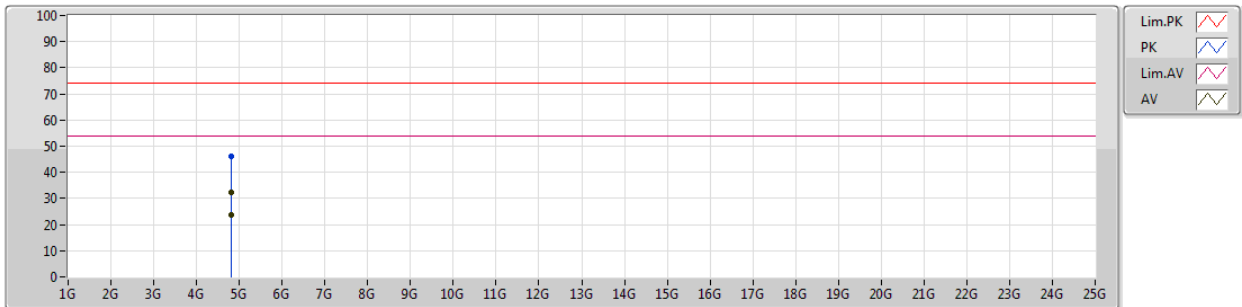
12/09/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
AV	4.80478G	33.74	54.00	-20.26	2.08	3	Vertical	124	1.48	-						
AV	4.82456G	35.01	54.00	-18.99	2.13	3	Vertical	184	3.00	-						
PK	4.80459G	45.63	74.00	-28.37	2.08	3	Vertical	124	1.48	-						
PK	4.82466G	46.70	74.00	-27.30	2.13	3	Vertical	184	3.00	-						

Radiation-above 1GHz_Mode 1

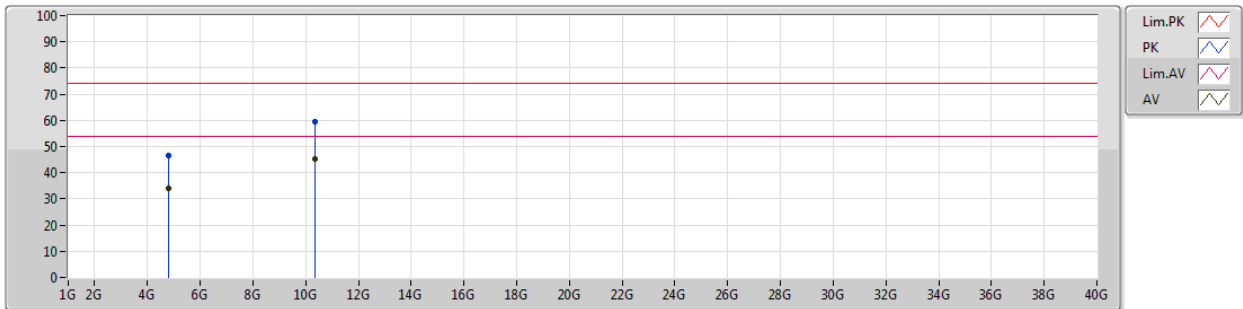
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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.806G	23.85	54.00	-30.15	2.08	3	Horizontal	237	1.26	-
AV	4.82247G	32.36	54.00	-21.64	2.13	3	Horizontal	116	1.55	-
PK	4.80299G	45.94	54.00	-8.06	2.07	3	Horizontal	237	1.26	-
PK	4.82417G	46.24	74.00	-27.76	2.13	3	Horizontal	116	1.55	-

Radiation-above 1GHz_Mode 2

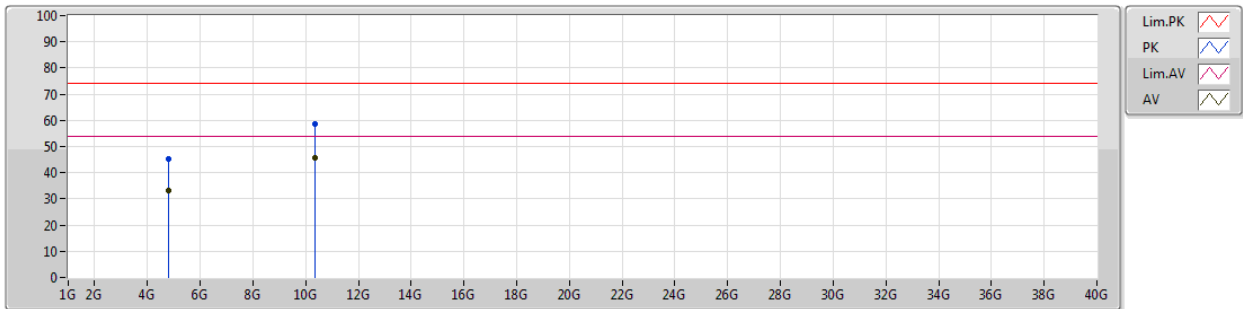
12/09/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80569G	34.03	54.00	-19.97	2.08	3	Vertical	129	1.45	-
AV	10.36546G	45.38	54.00	-8.62	12.64	3	Vertical	20	1.52	-
PK	4.80569G	46.67	74.00	-27.33	2.08	3	Vertical	129	1.45	-
PK	10.36546G	59.59	74.00	-14.41	12.64	3	Vertical	20	1.52	-

Radiation-above 1GHz_Mode 2

12/09/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80655G	33.20	54.00	-20.80	2.08	3	Horizontal	220	1.23	-
AV	10.36876G	45.62	54.00	-8.38	12.66	3	Horizontal	50	1.28	-
PK	4.80634G	45.12	74.00	-28.88	2.08	3	Horizontal	220	1.23	-
PK	10.36432G	58.65	74.00	-15.35	12.64	3	Horizontal	50	1.28	-