

FCC Test Report

FCC ID : SWX-UVCG4DB
Equipment : UniFi PROTECT
Brand Name : UBIQUITI
Model Name : UVC-G4-Doorbell
Applicant : Ubiquiti Inc.
685 Third Avenue, New York, New York
10017 USA
Manufacturer : Ubiquiti Inc.
685 Third Avenue, New York, New York
10017 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 02, 2018, and testing was started from Nov. 05, 2018 and completed on Dec. 29, 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.)

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History of this test report

Report No.	Version	Description	Issued Date
FR741250-05AC	01	Initial issue of report	Nov. 01, 2019

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Jackson Tsai

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 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
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	Internal antenna	I-Pex

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	0.5	2.5	0.5

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For BT function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
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	0.991	0.039	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.928	0.325	1.398m	1k
802.11n HT20	0.928	0.325	1.309m	1k
802.11n HT40	0.849	0.711	651.563u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

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 v05r02

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	Dexter	25~26.8°C / 61~63%	08/Nov/2018
Radiated	03CH09-HY	Jeremy	20.5~22.5°C / 63~65%	05/Nov/2018~ 29/Dec/2018
AC Conduction	CO04-HY	Andy	21.4~23.6°C / 63~65%	08/Nov/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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	Dos
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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	AC mode

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	AC 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.: FA741250-05 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.4 Support Equipment

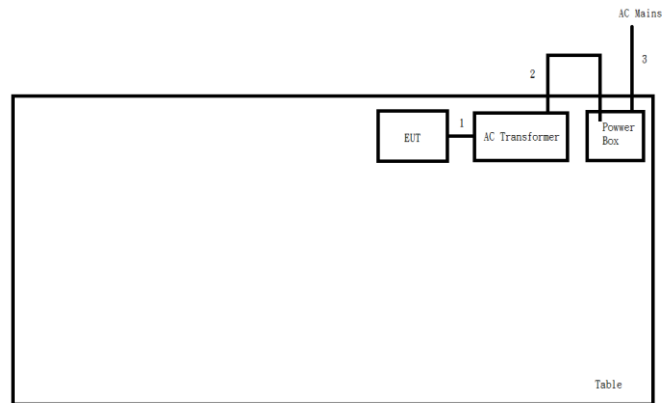
Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AC Transformer	TRIAD	VPL24-1100	N/A

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	AC Power Source	GW	APS-9102	N/A

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AC Transformer	TRIAD	VPL24-1100	N/A

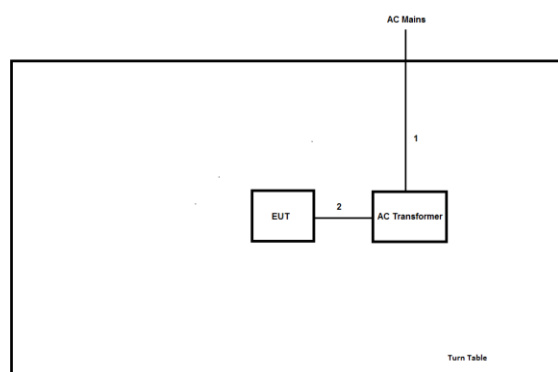
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power line	No	0.2	-
2	AC Power line	No	1.5	-
3	AC Power line	No	1.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	DC Power line	No	0.2	-

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.

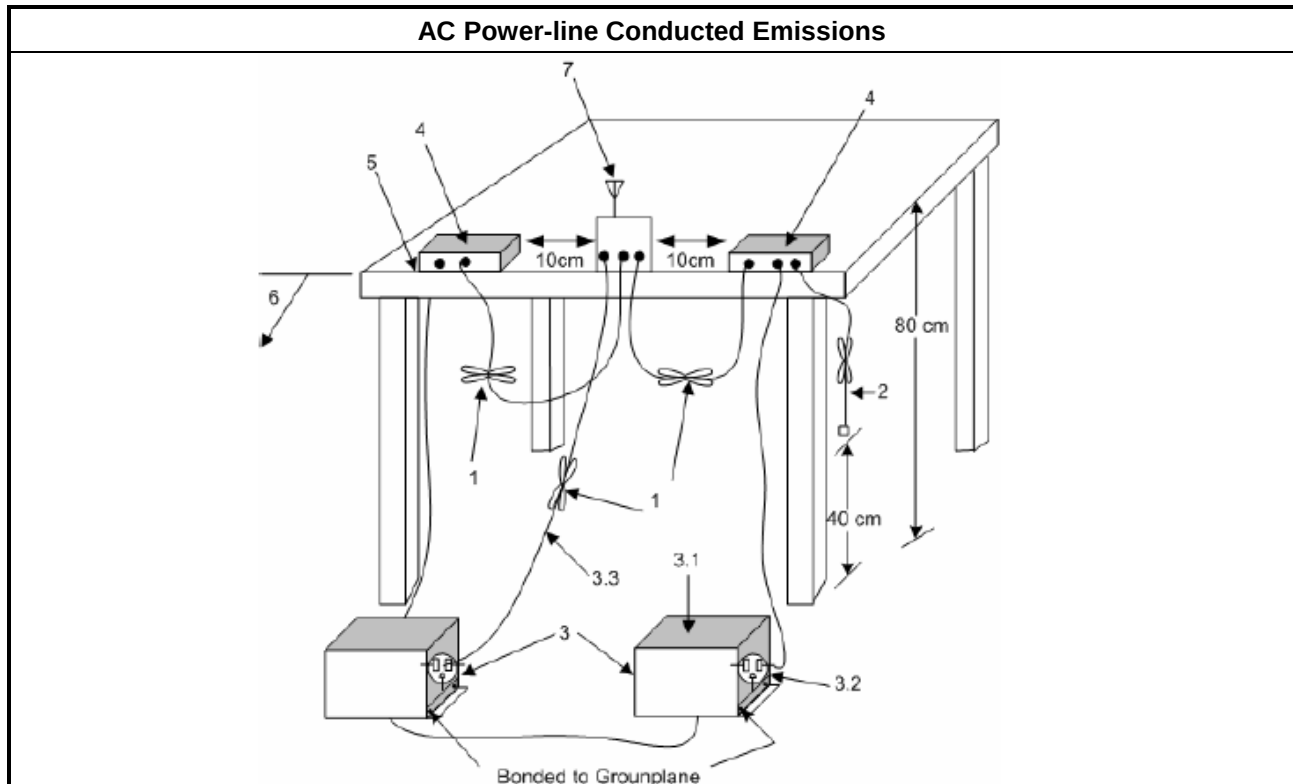
3.1.2 Measuring Instruments

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.

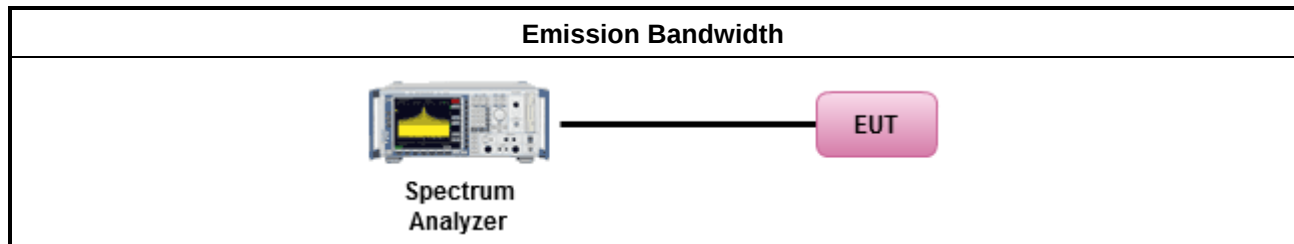
3.2.2 Measuring Instruments

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 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 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.		

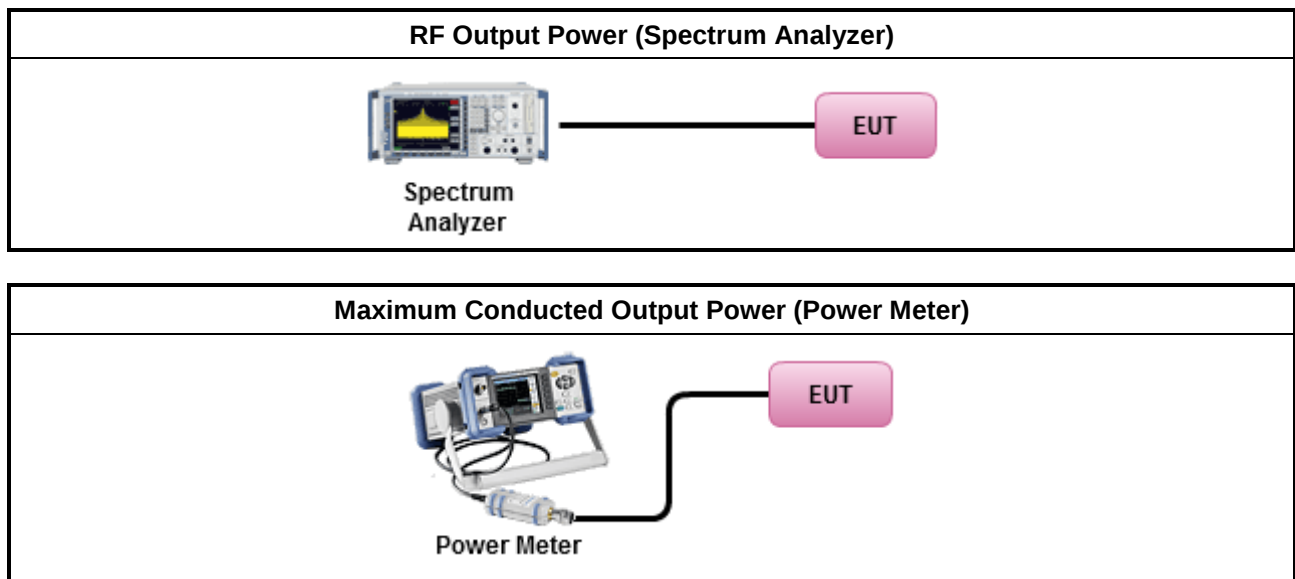
3.3.2 Measuring Instruments

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) $\leq$ 8 dBm/3kHz

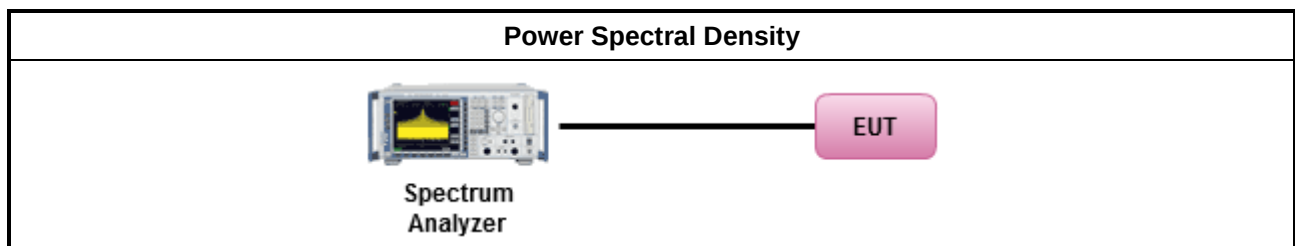
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	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.	

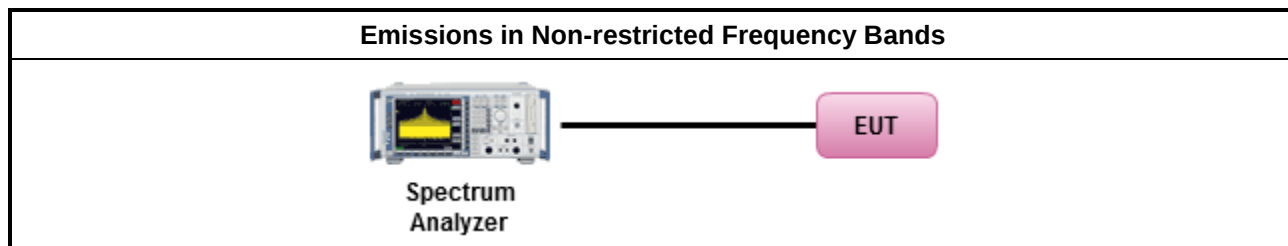
3.5.2 Measuring Instruments

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.

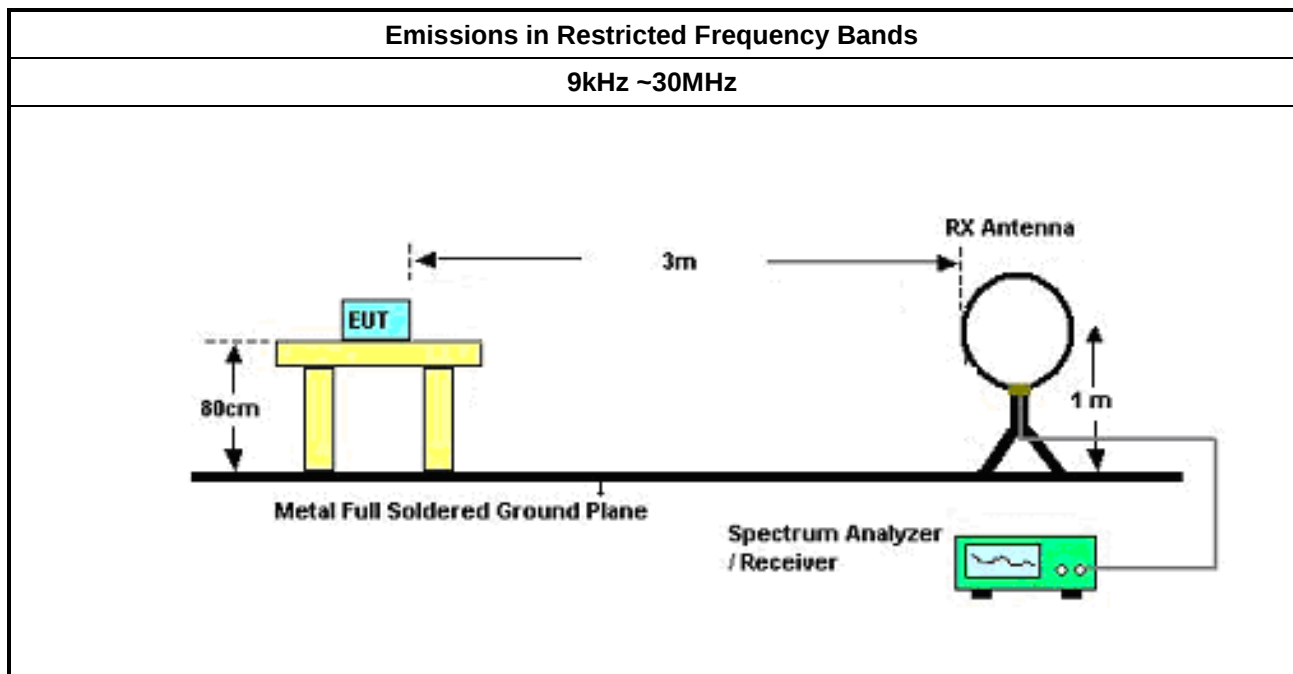
3.6.2 Measuring Instruments

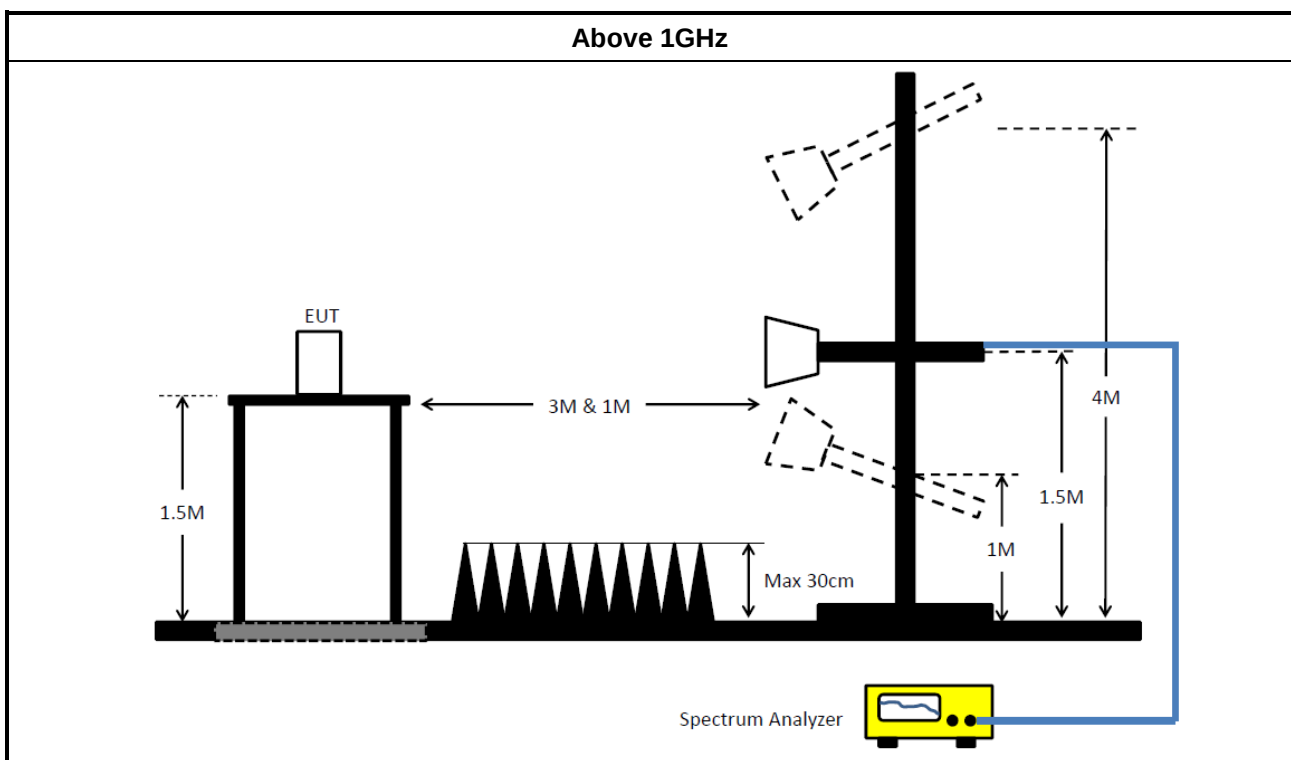
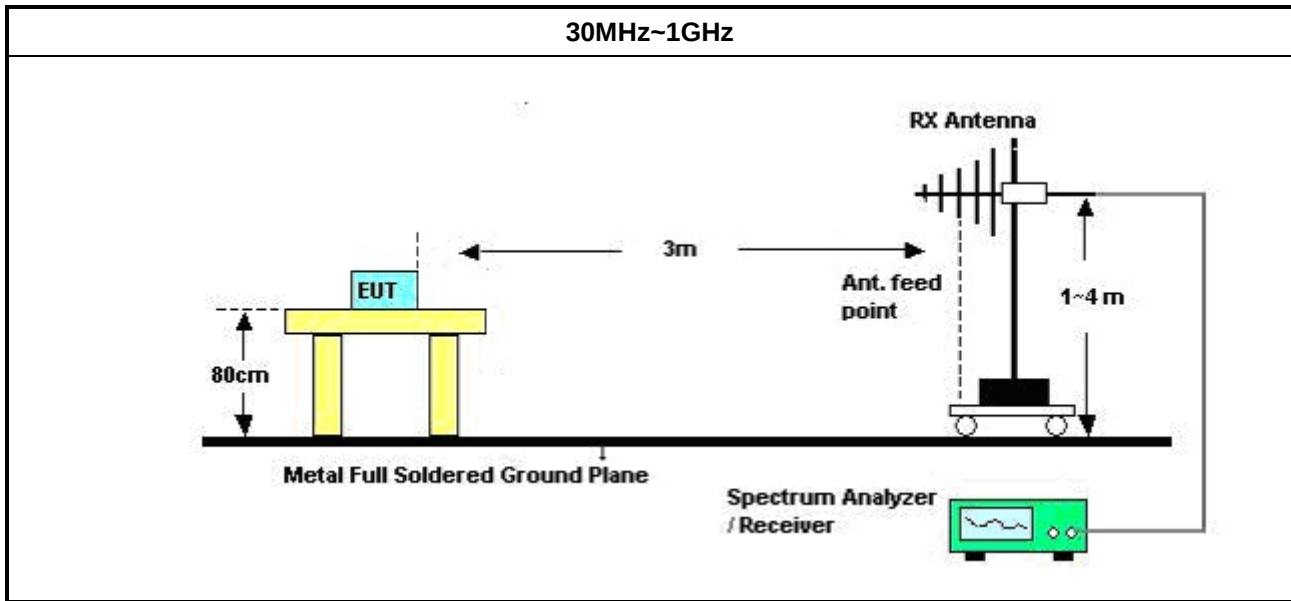
Refer a test equipment and calibration data table in this test report.

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
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.

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	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
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/2018	11/Oct/2019

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/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
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz ~ 1GHz	01/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019

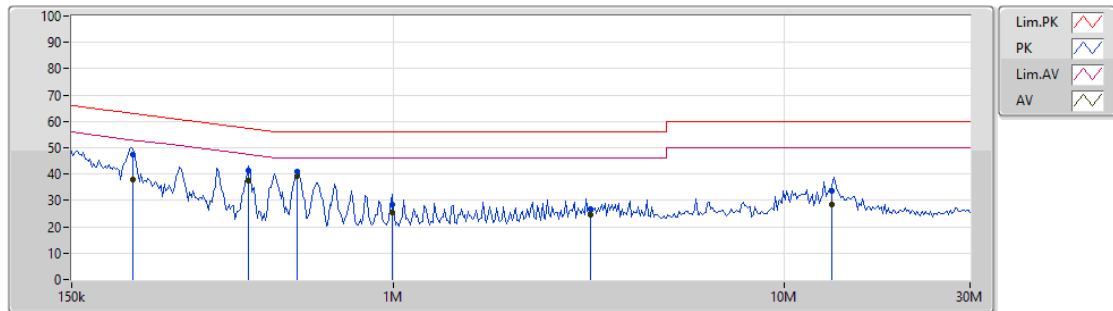
**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	05/Feb/2018	04/Feb/2019
Signal Generator	Anritsu	MG3694C	163401	10MHz~40GHz	15/Jan/2018	14/Jan/2019
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12585/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	AC mode		

08/11/2018

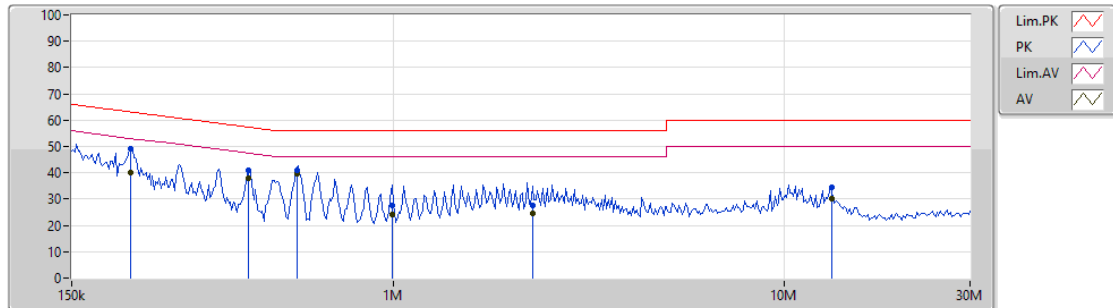


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	214.95k	47.27	63.02	-15.75	19.63	Neutral	-	27.64	9.62	0.01	10.00			
AV	214.95k	38.05	53.02	-14.97	19.63	Neutral	-	18.42	9.62	0.01	10.00			
QP	425.55k	41.20	57.34	-16.14	19.70	Neutral	-	21.50	9.61	0.09	10.00			
AV	425.55k	37.52	47.34	-9.82	19.70	Neutral	-	17.82	9.61	0.09	10.00			
QP	567.102k	40.84	56.00	-15.16	19.67	Neutral	-	21.17	9.61	0.06	10.00			
AV	567.102k	39.03	46.00	-6.97	19.67	Neutral	"Worst"	19.36	9.61	0.06	10.00			
QP	992.294k	28.64	56.00	-27.36	19.63	Neutral	-	9.01	9.62	0.01	10.00			
AV	992.294k	25.27	46.00	-20.73	19.63	Neutral	-	5.64	9.62	0.01	10.00			
QP	3.189M	26.68	56.00	-29.32	19.70	Neutral	-	6.98	9.64	0.06	10.00			
AV	3.189M	24.65	46.00	-21.35	19.70	Neutral	-	4.95	9.64	0.06	10.00			
QP	13.317M	33.64	60.00	-26.36	19.76	Neutral	-	13.88	9.70	0.06	10.00			
AV	13.317M	28.57	50.00	-21.43	19.76	Neutral	-	8.81	9.70	0.06	10.00			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	AC mode		

08/11/2018



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	212.997k	48.95	63.09	-14.14	19.63	Line	-	29.32	9.62	0.01	10.00			
AV	212.997k	40.11	53.09	-12.98	19.63	Line	-	20.48	9.62	0.01	10.00			
QP	425.911k	41.03	57.34	-16.31	19.70	Line	-	21.33	9.61	0.09	10.00			
AV	425.911k	37.74	47.34	-9.60	19.70	Line	-	18.04	9.61	0.09	10.00			
QP	567.536k	40.99	56.00	-15.01	19.67	Line	-	21.32	9.61	0.06	10.00			
AV	567.536k	39.68	46.00	-6.32	19.67	Line	"Worst"	20.01	9.61	0.06	10.00			
QP	993.017k	27.69	56.00	-28.31	19.62	Line	-	8.07	9.61	0.01	10.00			
AV	993.017k	24.29	46.00	-21.71	19.62	Line	-	4.67	9.61	0.01	10.00			
QP	2.273M	27.45	56.00	-28.55	19.64	Line	-	7.81	9.62	0.02	10.00			
AV	2.273M	24.77	46.00	-21.23	19.64	Line	-	5.13	9.62	0.02	10.00			
QP	13.273M	34.68	60.00	-25.32	19.70	Line	-	14.98	9.64	0.06	10.00			
AV	13.273M	30.02	50.00	-19.98	19.70	Line	-	10.32	9.64	0.06	10.00			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9.05M	12.844M	12M8G1D	9.025M	12.769M
802.11g_Nss1,(6Mbps)_1TX	16.3M	18.041M	18M0D1D	16.05M	16.542M
802.11n HT20_Nss1,(MCS0)_1TX	17.05M	18.466M	18M5D1D	16.275M	17.691M
802.11n HT40_Nss1,(MCS0)_1TX	35.45M	36.182M	36M2D1D	34.95M	36.132M

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;

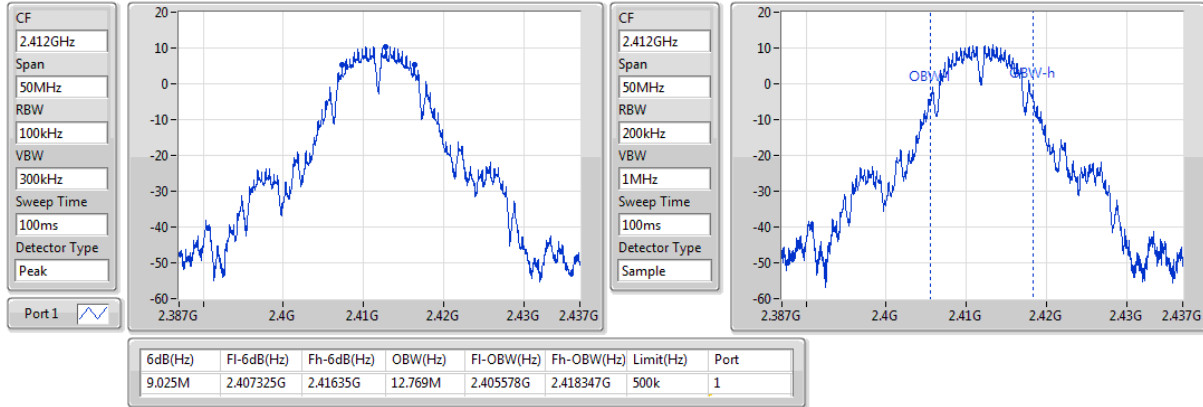
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	9.025M	12.769M
2437MHz_TnomVnom	Pass	500k	9.05M	12.819M
2462MHz_TnomVnom	Pass	500k	9.05M	12.844M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.3M	16.542M
2437MHz_TnomVnom	Pass	500k	16.05M	18.041M
2462MHz_TnomVnom	Pass	500k	16.3M	16.567M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.875M	17.716M
2437MHz_TnomVnom	Pass	500k	16.275M	18.466M
2462MHz_TnomVnom	Pass	500k	17.05M	17.691M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz_TnomVnom	Pass	500k	35.3M	36.132M
2437MHz_TnomVnom	Pass	500k	34.95M	36.132M
2452MHz_TnomVnom	Pass	500k	35.45M	36.182M

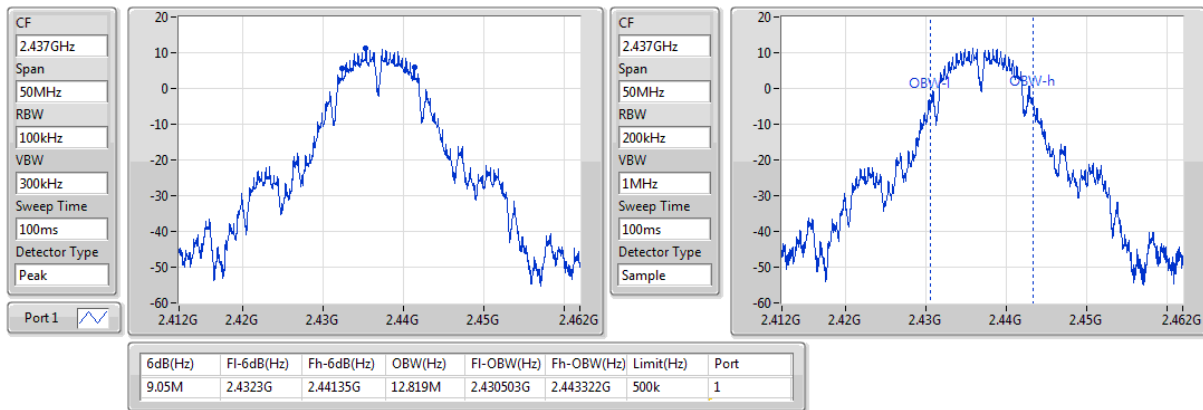
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX
EBW
2412MHz

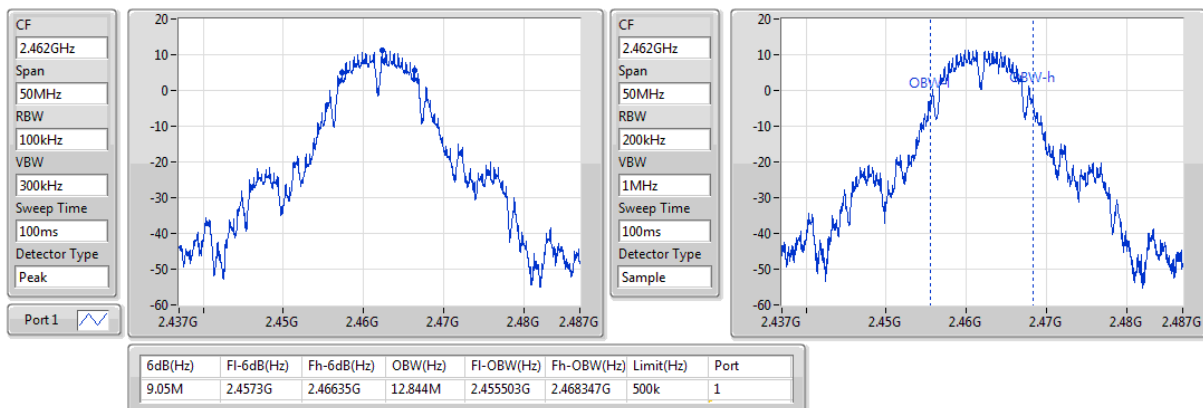
08/11/2018


802.11b_Nss1,(1Mbps)_1TX
EBW
2437MHz

08/11/2018

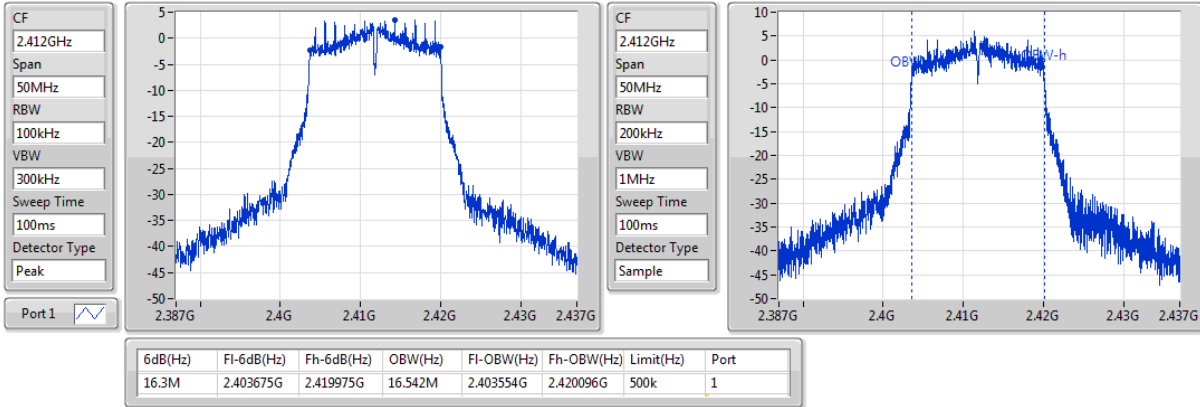

802.11b_Nss1,(1Mbps)_1TX
EBW
2462MHz

08/11/2018

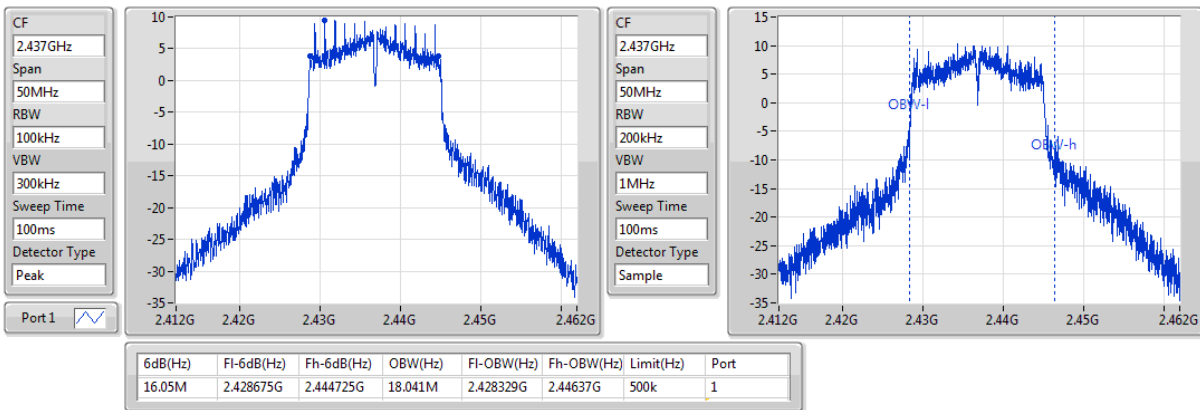


802.11g_Nss1,(6Mbps)_1TX
EBW
2412MHz

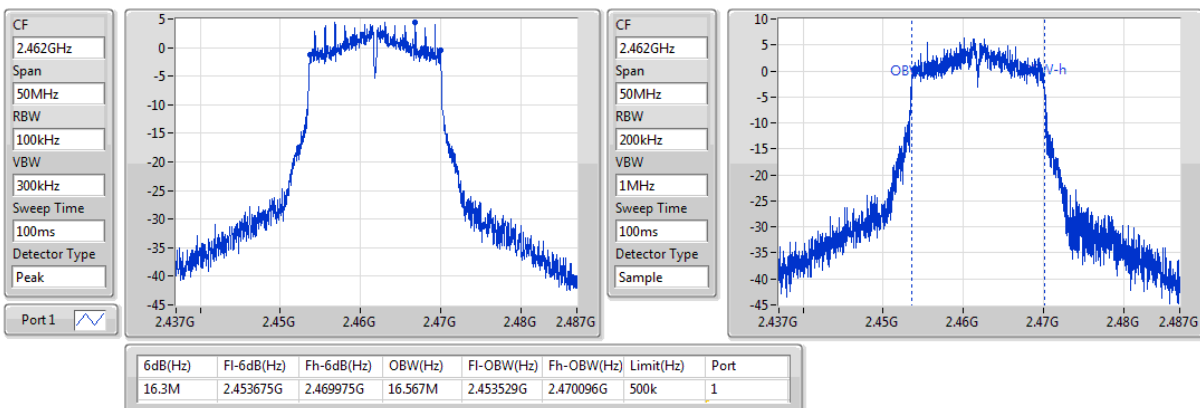
08/11/2018


802.11g_Nss1,(6Mbps)_1TX
EBW
2437MHz

08/11/2018

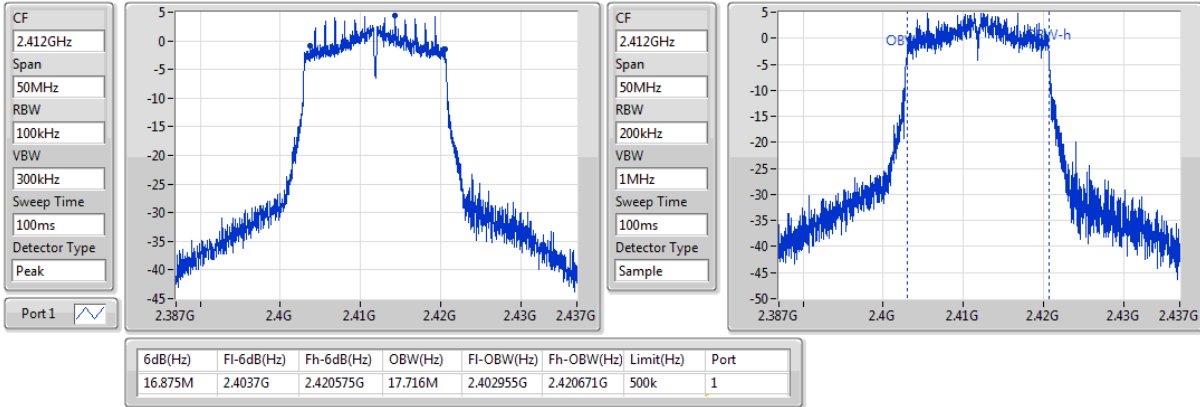

802.11g_Nss1,(6Mbps)_1TX
EBW
2462MHz

08/11/2018

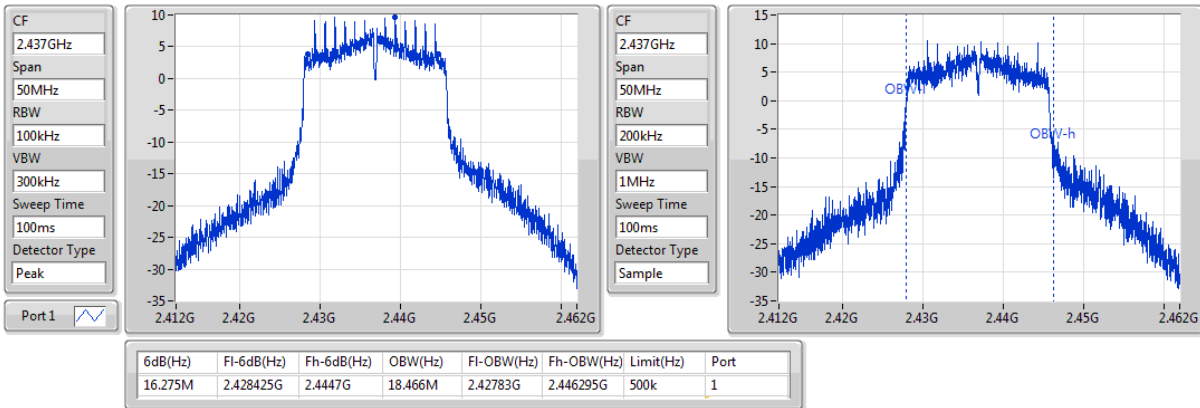


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2412MHz

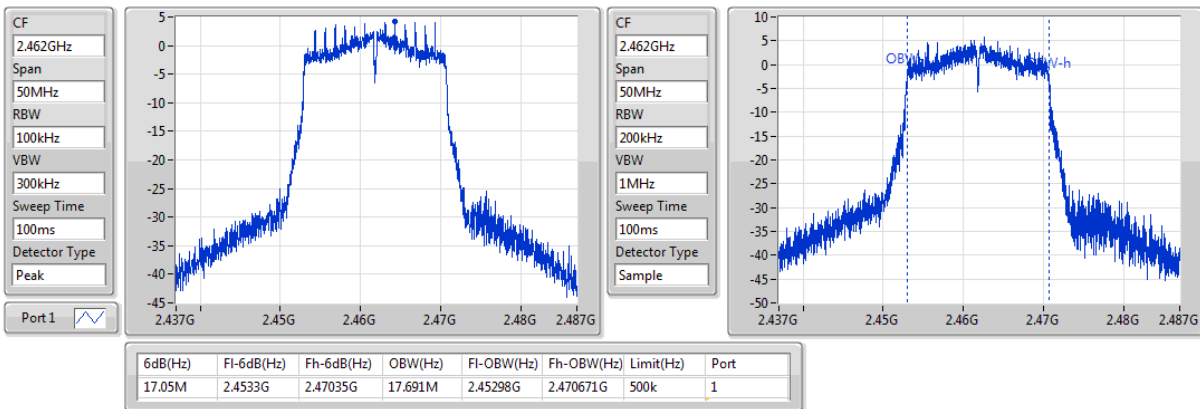
08/11/2018


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz

08/11/2018

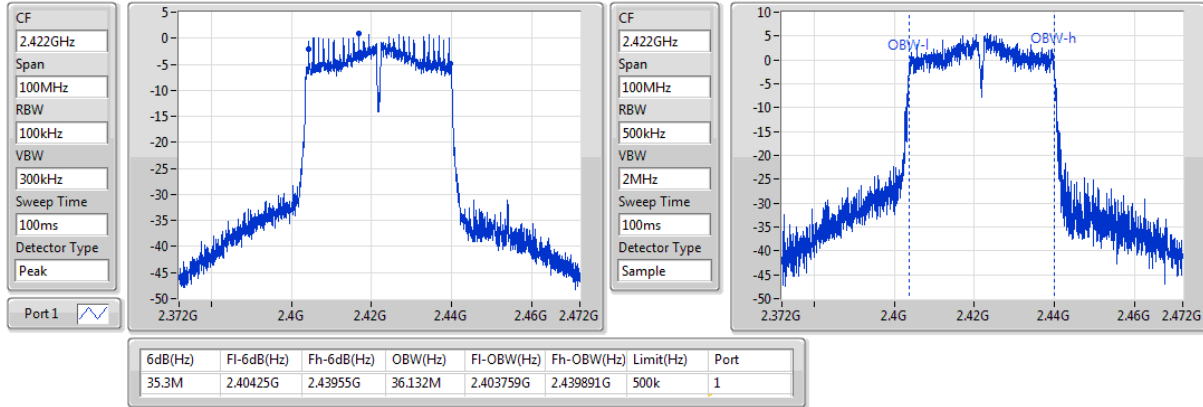

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2462MHz

08/11/2018

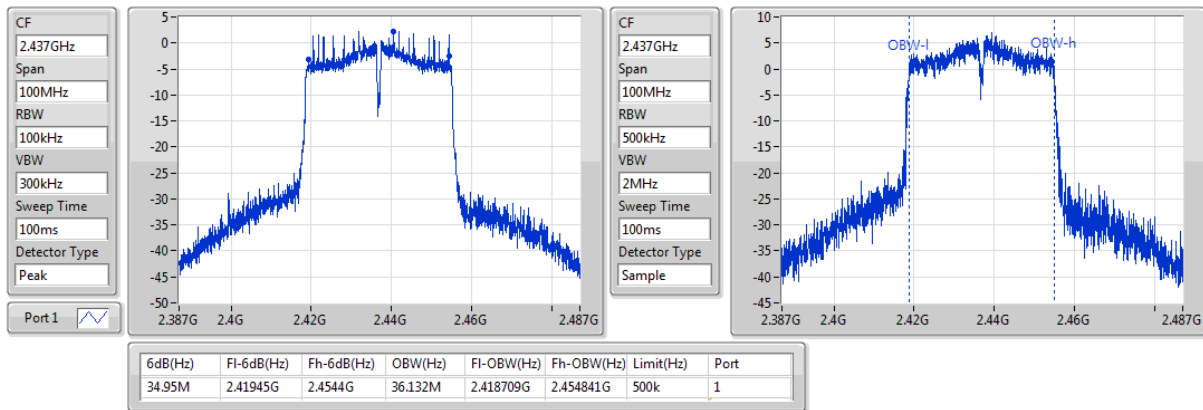


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2422MHz

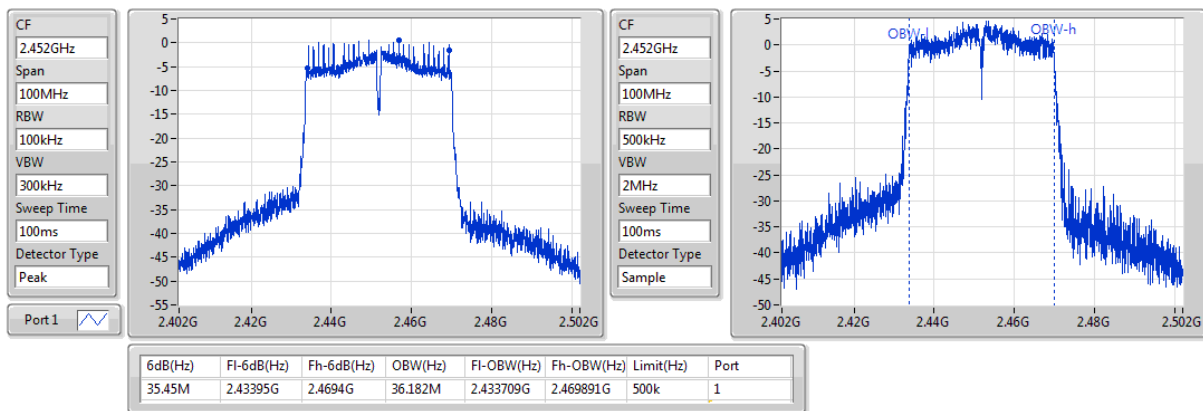
08/11/2018


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2437MHz

08/11/2018


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2452MHz

08/11/2018



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	17.49	0.05610
802.11g_Nss1,(6Mbps)_1TX	16.49	0.04457
802.11n HT20_Nss1,(MCS0)_1TX	15.49	0.03540
802.11n HT40_Nss1,(MCS0)_1TX	15.56	0.03597

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	17.26	17.26	30.00
2437MHz	Pass	0.50	17.49	17.49	30.00
2462MHz	Pass	0.50	17.42	17.42	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	15.10	15.10	30.00
2417MHz	Pass	0.50	16.24	16.24	30.00
2422MHz	Pass	0.50	16.35	16.35	30.00
2427MHz	Pass	0.50	16.15	16.15	30.00
2437MHz	Pass	0.50	16.49	16.49	30.00
2442MHz	Pass	0.50	16.21	16.21	30.00
2447MHz	Pass	0.50	16.23	16.23	30.00
2452MHz	Pass	0.50	16.21	16.21	30.00
2457MHz	Pass	0.50	16.31	16.31	30.00
2462MHz	Pass	0.50	16.44	16.44	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	15.41	15.41	30.00
2417MHz	Pass	0.50	15.43	15.43	30.00
2422MHz	Pass	0.50	15.23	15.23	30.00
2427MHz	Pass	0.50	15.40	15.40	30.00
2432MHz	Pass	0.50	15.38	15.38	30.00
2437MHz	Pass	0.50	15.49	15.49	30.00
2442MHz	Pass	0.50	15.39	15.39	30.00
2447MHz	Pass	0.50	15.36	15.36	30.00
2452MHz	Pass	0.50	15.29	15.29	30.00
2457MHz	Pass	0.50	15.25	15.25	30.00
2462MHz	Pass	0.50	15.37	15.37	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	0.50	14.43	14.43	30.00
2427MHz	Pass	0.50	14.92	14.92	30.00
2432MHz	Pass	0.50	15.37	15.37	30.00
2437MHz	Pass	0.50	15.56	15.56	30.00
2442MHz	Pass	0.50	15.32	15.32	30.00
2447MHz	Pass	0.50	14.70	14.70	30.00
2452MHz	Pass	0.50	13.96	13.96	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-3.70
802.11g_Nss1,(6Mbps)_1TX	-3.45
802.11n HT20_Nss1,(MCS0)_1TX	-4.02
802.11n HT40_Nss1,(MCS0)_1TX	-11.36

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	0.50	-4.10	-4.10	8.00
2437MHz_TnomVnom	Pass	0.50	-3.70	-3.70	8.00
2462MHz_TnomVnom	Pass	0.50	-4.18	-4.18	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	0.50	-8.45	-8.45	8.00
2437MHz_TnomVnom	Pass	0.50	-3.45	-3.45	8.00
2462MHz_TnomVnom	Pass	0.50	-6.86	-6.86	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	0.50	-8.16	-8.16	8.00
2437MHz_TnomVnom	Pass	0.50	-4.02	-4.02	8.00
2462MHz_TnomVnom	Pass	0.50	-7.53	-7.53	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	0.50	-11.96	-11.96	8.00
2437MHz_TnomVnom	Pass	0.50	-11.36	-11.36	8.00
2452MHz_TnomVnom	Pass	0.50	-12.29	-12.29	8.00

DG = Directional Gain; RBW=3kHz;

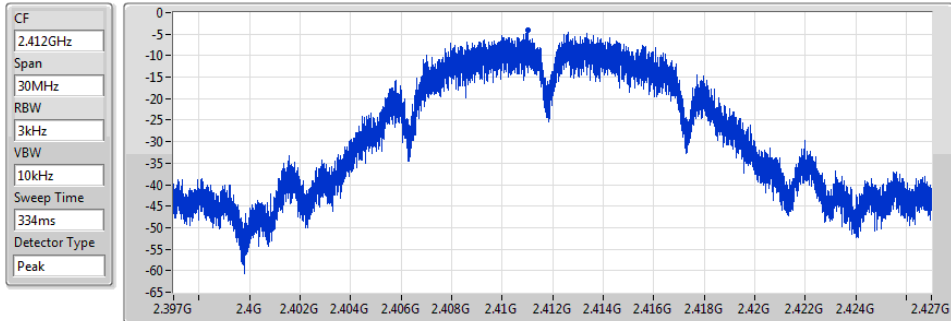
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

08/11/2018



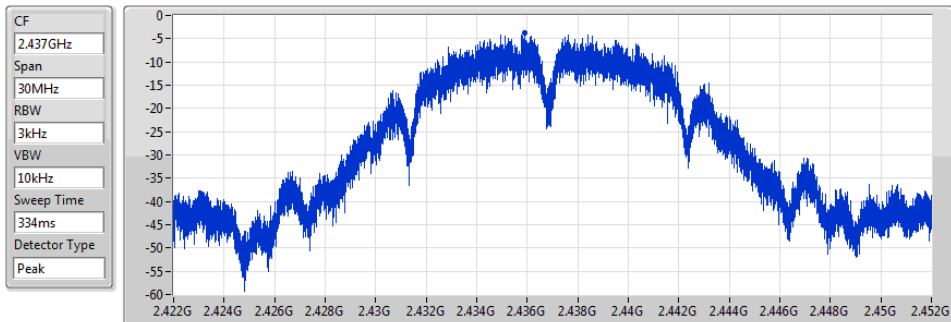
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.10	-4.10	-4.10

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

08/11/2018



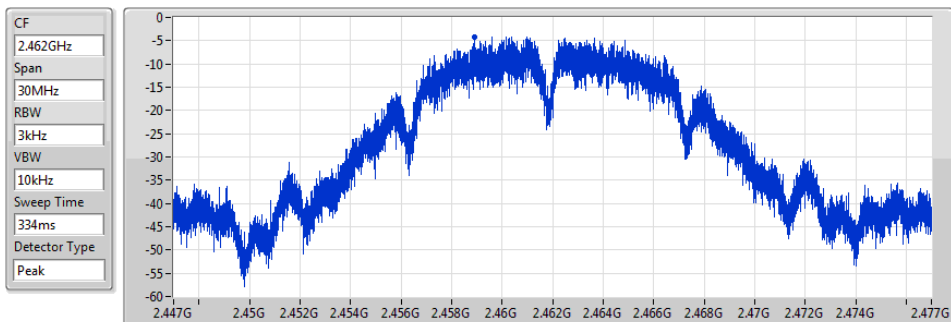
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.70	-3.70	-3.70

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

08/11/2018



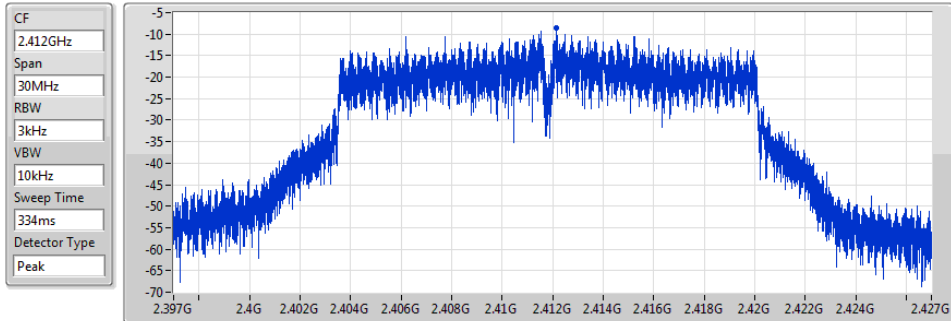
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.18	-4.18	-4.18

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

08/11/2018



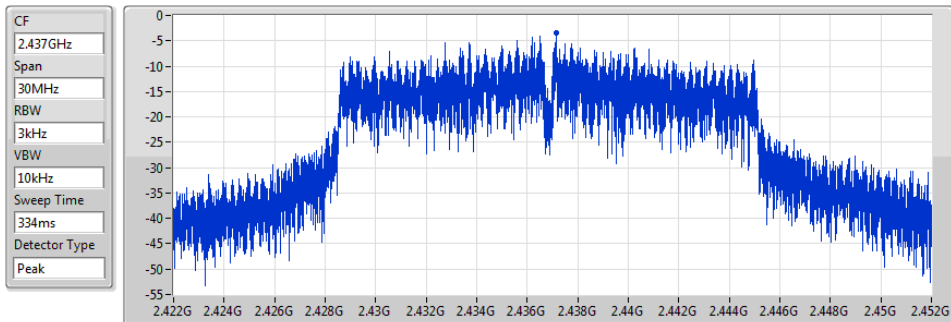
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.45	-8.45	-8.45

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

08/11/2018



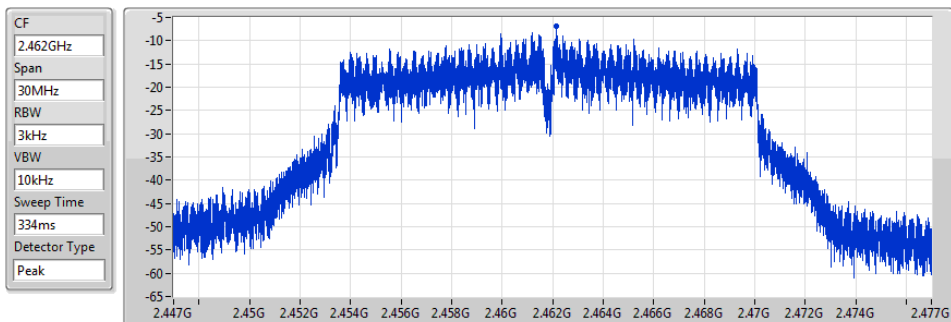
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.45	-3.45	-3.45

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

08/11/2018



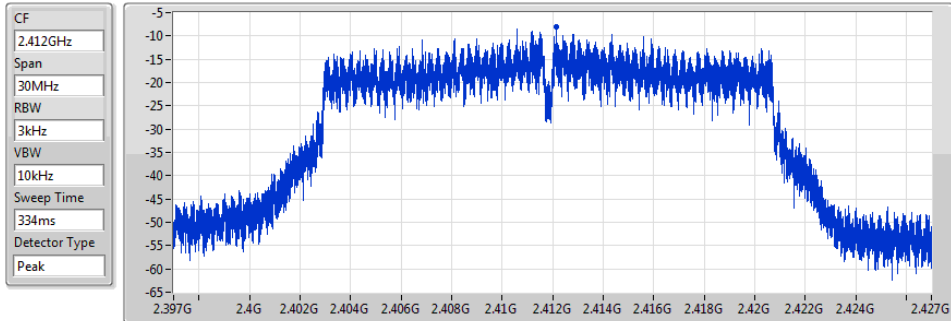
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.86	-6.86	-6.86

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

08/11/2018



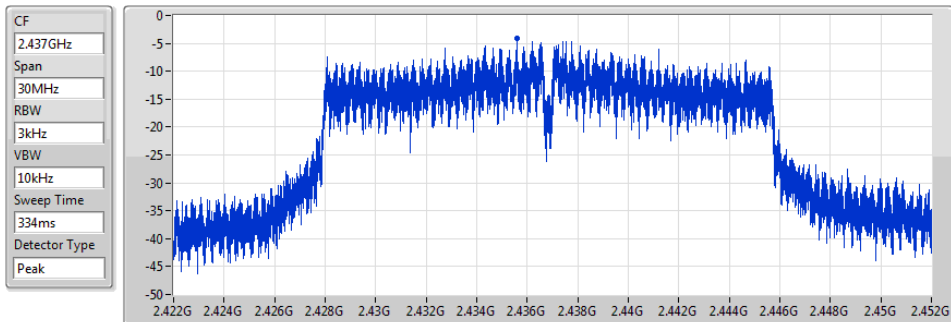
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-8.16	-8.16	-8.16

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2018



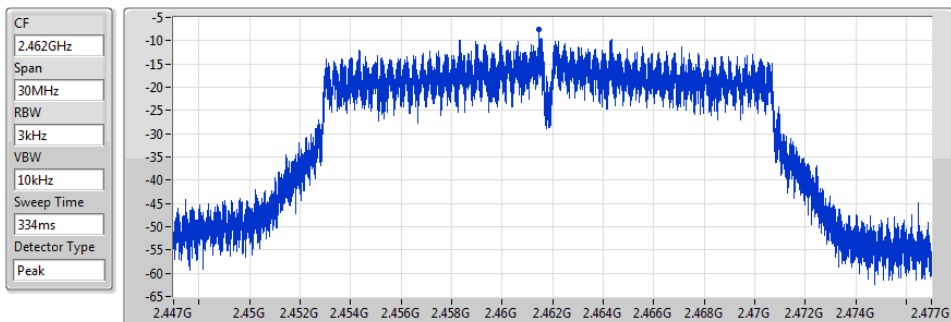
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-4.02	-4.02	-4.02

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

08/11/2018



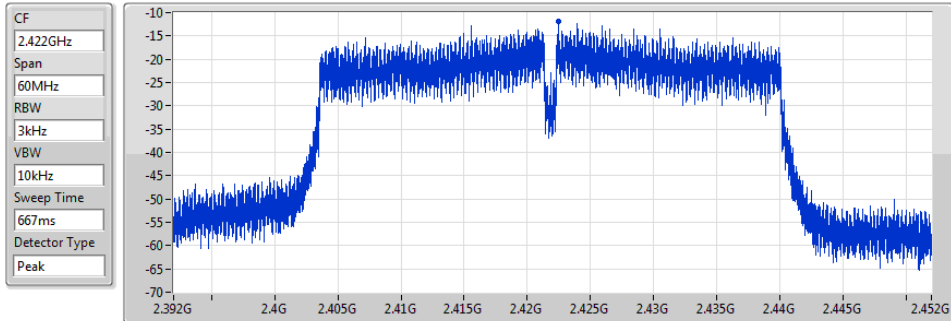
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-7.53	-7.53	-7.53

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2422MHz

08/11/2018



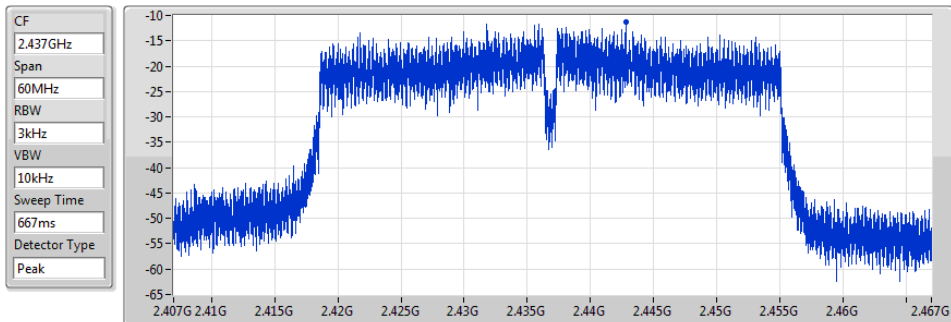
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.96	-11.96	-11.96

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2018



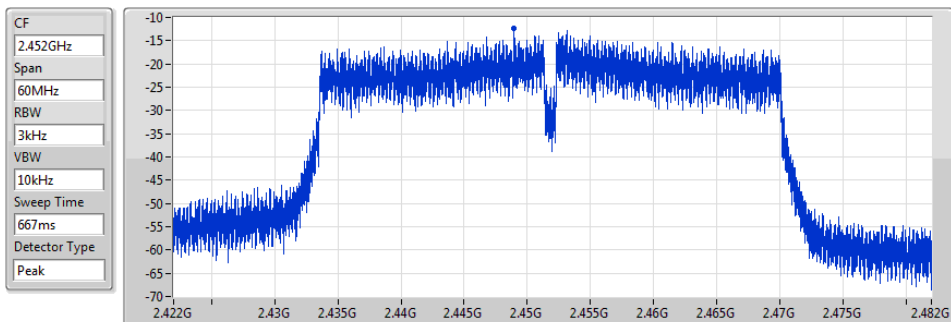
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.36	-11.36	-11.36

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2452MHz

08/11/2018



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.29	-12.29	-12.29

Summary

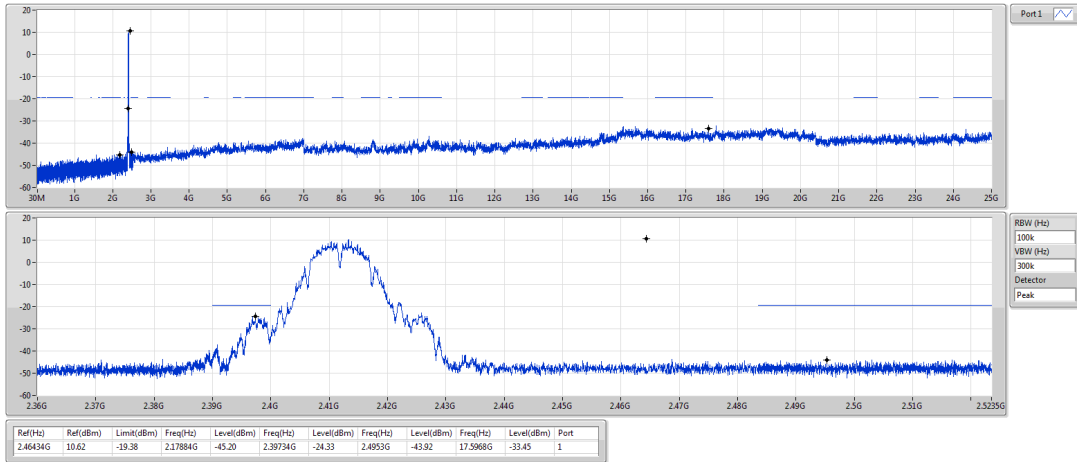
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.46434G	10.62	-19.38	2.17884G	-45.20	2.39734G	-24.33	2.4953G	-43.92	17.5968G	-33.45	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.44058G	8.97	-21.03	2.1669G	-44.85	2.39936G	-28.64	2.5168G	-43.81	17.20908G	-33.48	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43307G	9.03	-20.97	1.98604G	-44.49	2.3999G	-27.25	2.50654G	-43.18	17.22594G	-32.13	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.43181G	1.81	-28.19	2.16772G	-45.35	2.39796G	-30.12	2.50738G	-43.37	16.21611G	-33.27	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.46434G	10.62	-19.38	2.17884G	-45.20	2.39734G	-24.33	2.4953G	-43.92	17.5968G	-33.45	1
2437MHz_TnomVnom	Pass	2.46434G	10.62	-19.38	1.96594G	-45.15	2.3946G	-45.21	2.48494G	-42.58	24.31166G	-32.53	1
2462MHz_TnomVnom	Pass	2.46434G	10.62	-19.38	1.98895G	-45.25	2.39172G	-44.90	2.4848G	-41.08	24.96067G	-32.74	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.44058G	8.97	-21.03	2.1669G	-44.85	2.39936G	-28.64	2.5168G	-43.81	17.20908G	-33.48	1
2437MHz_TnomVnom	Pass	2.44058G	8.97	-21.03	2.1669G	-45.50	2.3981G	-35.66	2.4865G	-41.51	15.32668G	-32.51	1
2462MHz_TnomVnom	Pass	2.44058G	8.97	-21.03	1.96244G	-44.63	2.39382G	-45.27	2.48496G	-35.46	17.26527G	-33.24	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43307G	9.03	-20.97	1.98604G	-44.49	2.3999G	-27.25	2.50654G	-43.18	17.22594G	-32.13	1
2437MHz_TnomVnom	Pass	2.43307G	9.03	-20.97	2.1771G	-44.79	2.39938G	-32.99	2.484G	-40.32	16.44488G	-33.18	1
2462MHz_TnomVnom	Pass	2.43307G	9.03	-20.97	2.11943G	-44.37	2.39736G	-45.11	2.48376G	-34.86	24.99438G	-33.34	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43181G	1.81	-28.19	2.16772G	-45.35	2.39796G	-30.12	2.50738G	-43.37	16.21611G	-33.27	1
2437MHz_TnomVnom	Pass	2.43181G	1.81	-28.19	2.11562G	-46.02	2.39928G	-31.71	2.48462G	-39.56	15.20366G	-32.62	1
2452MHz_TnomVnom	Pass	2.43181G	1.81	-28.19	1.80446G	-45.34	2.39688G	-42.22	2.48558G	-36.39	16.34792G	-32.86	1

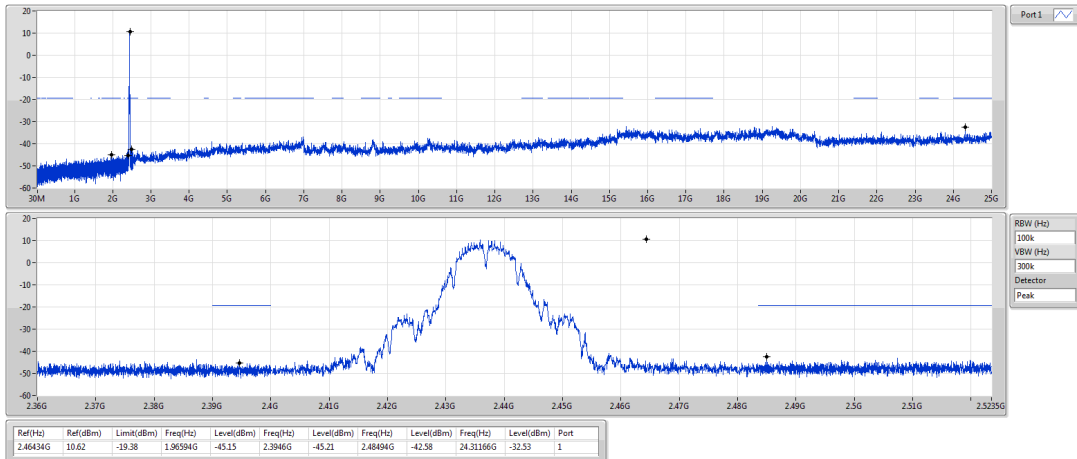
802.11b_Nss1,(1Mbps)_1TX
2412MHz

CSE NdB



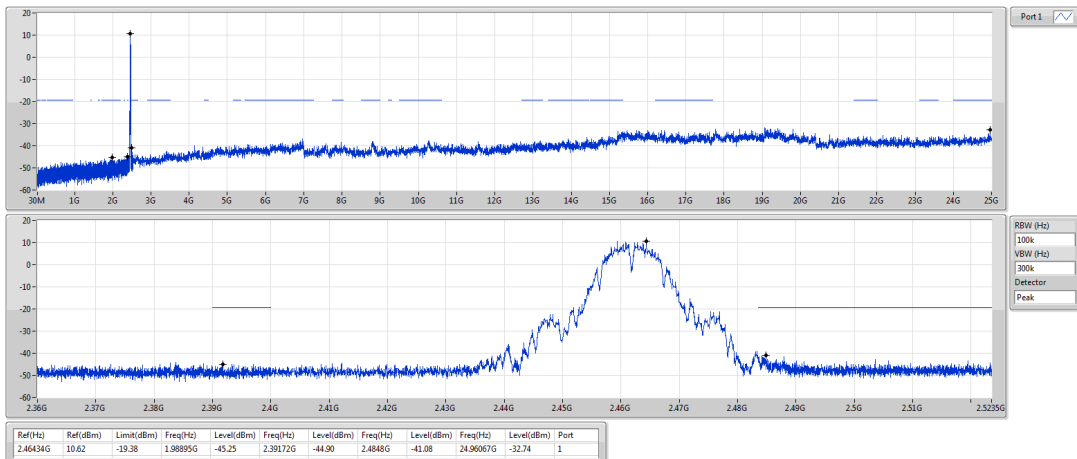
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2437MHz

CSE NdB



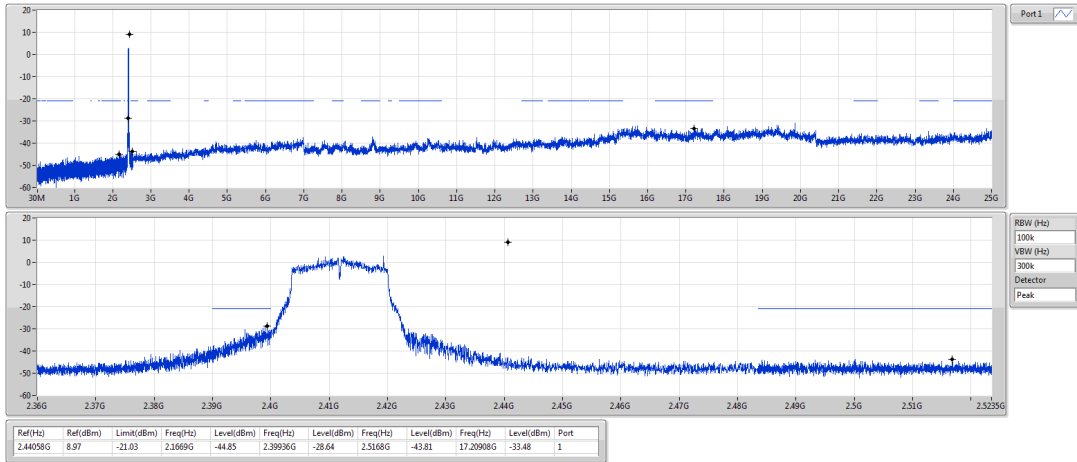
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2462MHz

CSE NdB



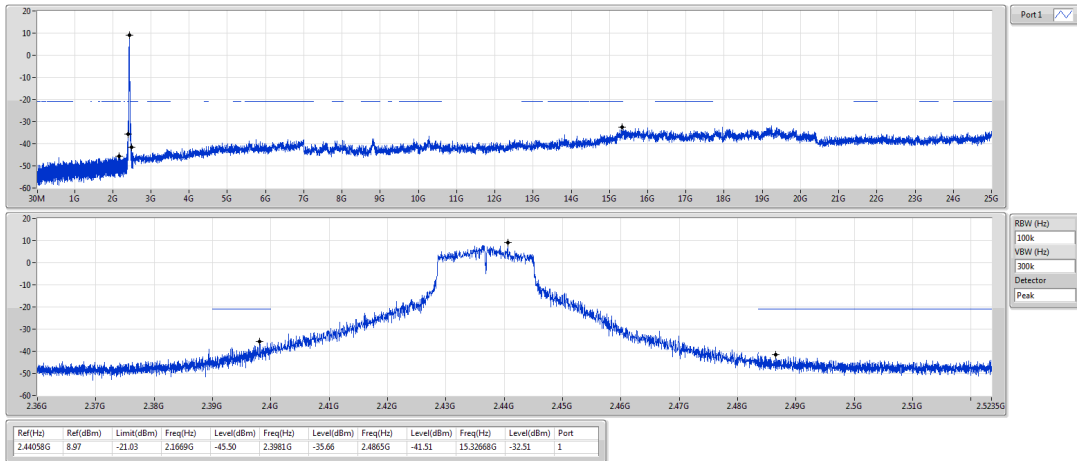
802.11g_Nss1,(6Mbps)_1TX
2412MHz

CSE NdB



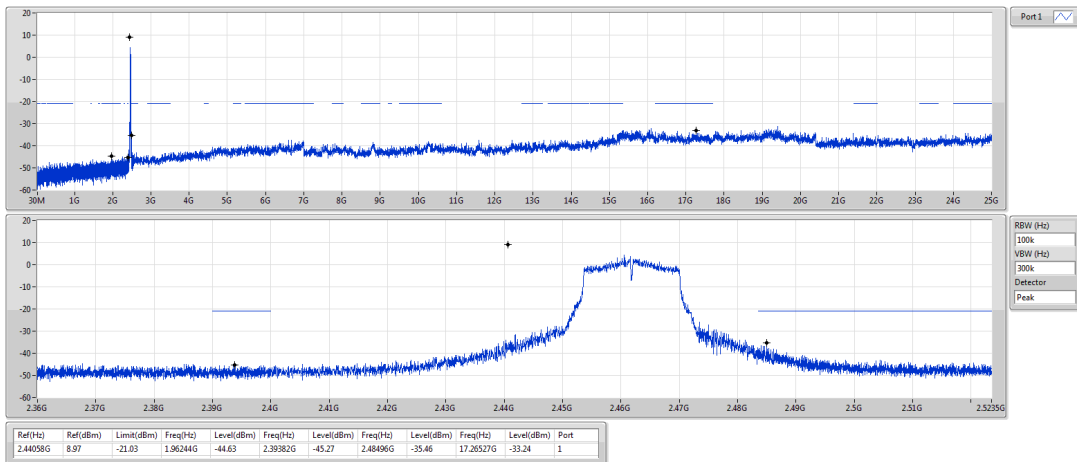
802.11g_Nss1,(6Mbps)_1TX
2437MHz

CSE NdB



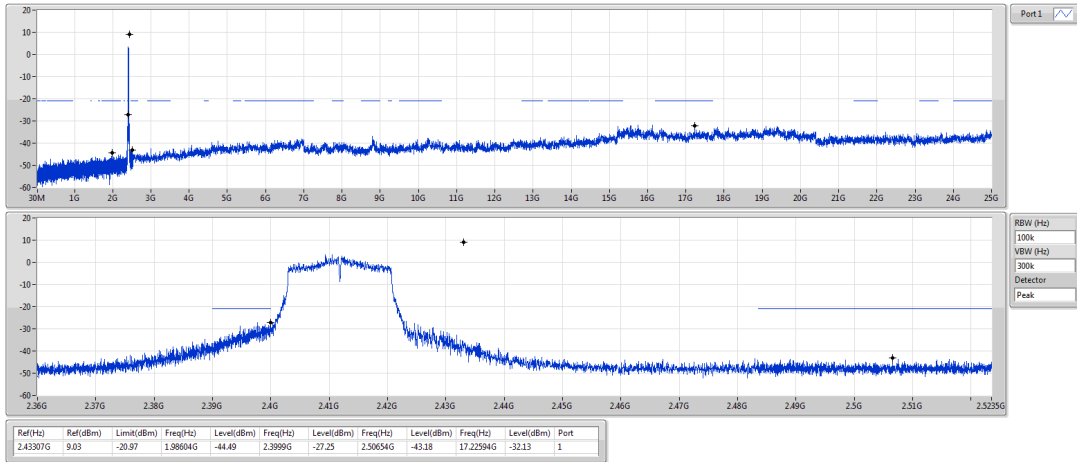
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2462MHz

CSE NdB



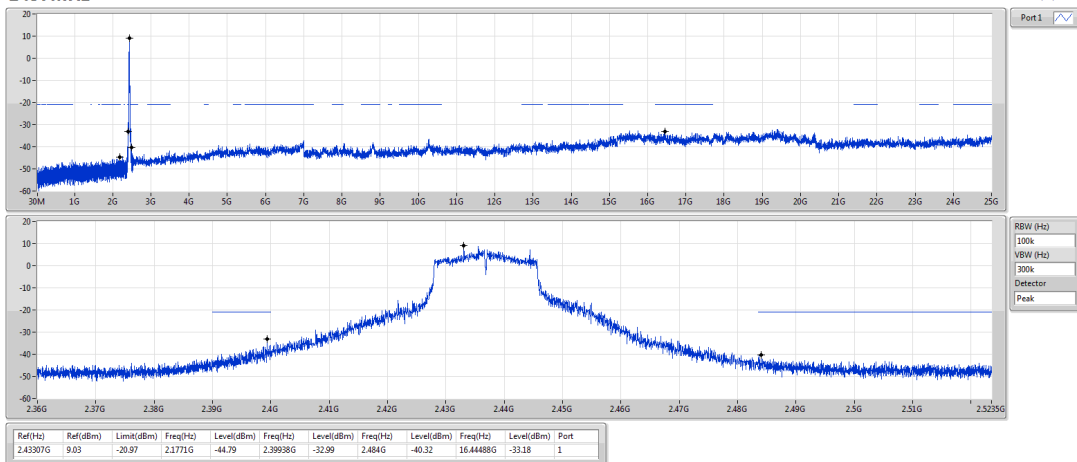
802.11n HT20_Nss1,(MCS0)_1TX
2412MHz

CSE NdB



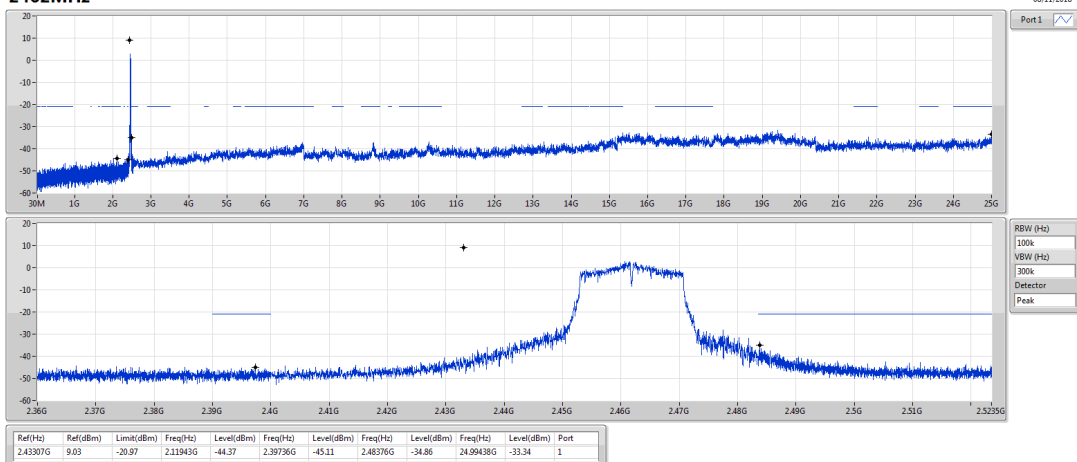
802.11n HT20_Nss1,(MCS0)_1TX
2437MHz

CSE NdB



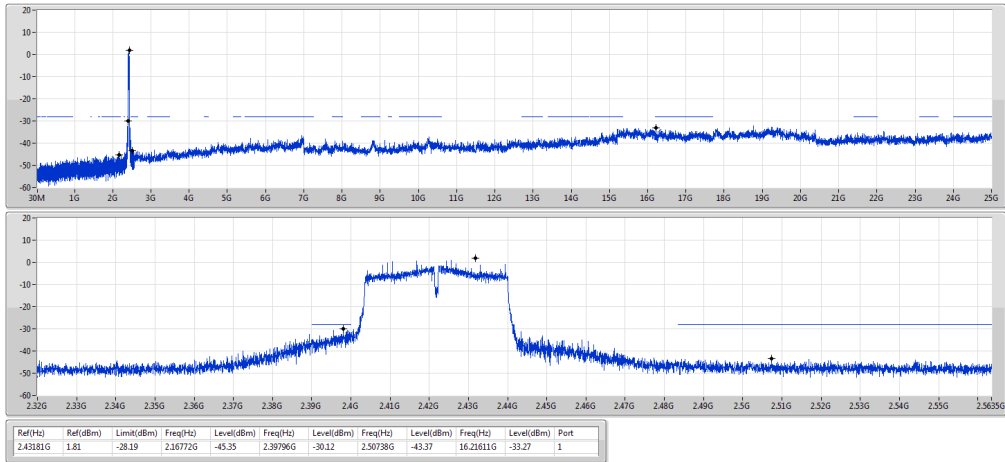
802.11n HT20_Nss1,(MCS0)_1TX
2462MHz

CSE NdB



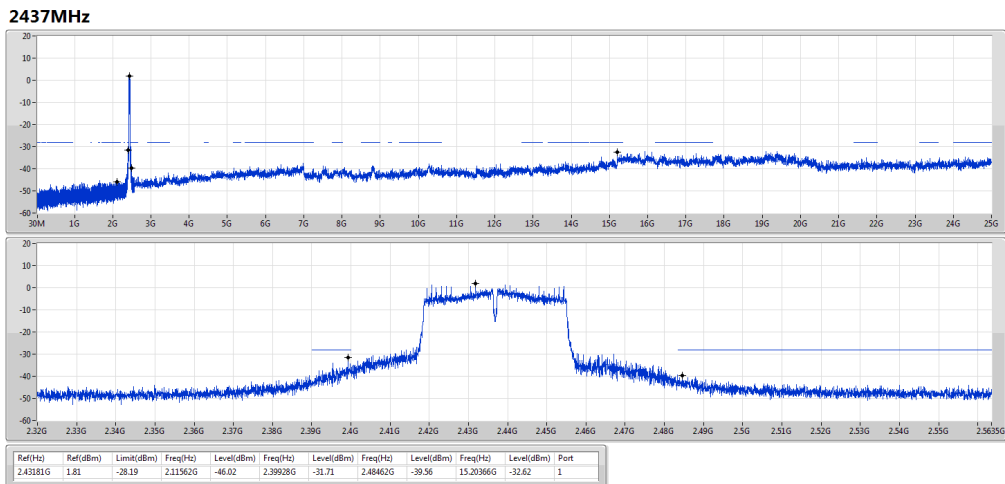
802.11n HT40_Nss1,(MCS0)_1TX
2422MHz

CSE NdB



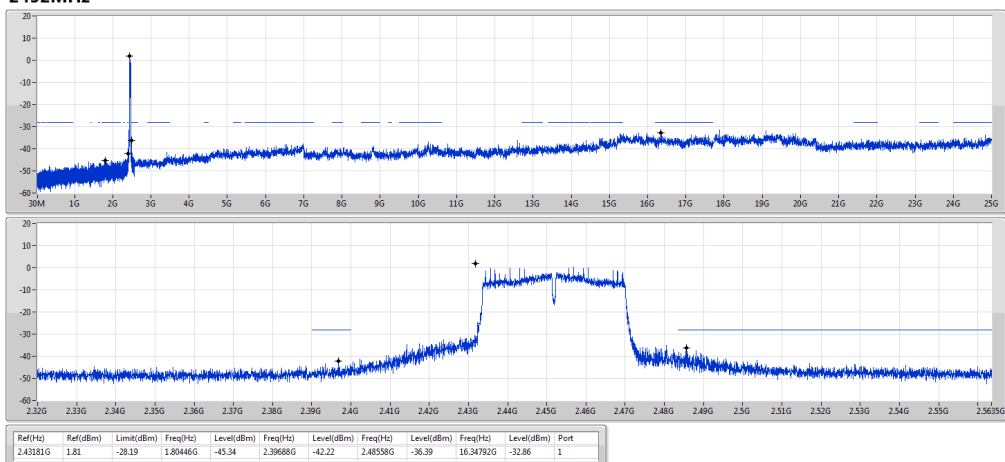
802.11n HT40_Nss1,(MCS0)_1TX
2437MHz

CSE NdB



802.11n HT40_Nss1,(MCS0)_1TX
2452MHz

CSE NdB



**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)_1TX	Pass	PK	317.12M	42.12	46.00	-3.88	-16.44	3	Horizontal	0	1.00	-

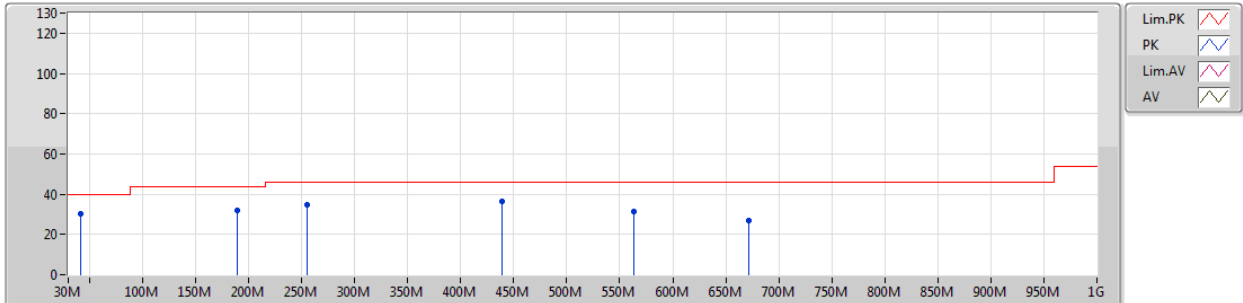
Result

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	189.08M	31.88	43.50	-11.62	-21.38	3	Vertical	360	1.00	-
2437MHz	Pass	PK	255.04M	34.59	46.00	-11.41	-16.39	3	Vertical	360	1.00	-
2437MHz	Pass	PK	439.34M	36.58	46.00	-9.42	-13.05	3	Vertical	360	1.00	-
2437MHz	Pass	PK	563.5M	31.14	46.00	-14.86	-10.41	3	Vertical	360	1.00	-
2437MHz	Pass	PK	672.14M	26.77	46.00	-19.23	-10.00	3	Vertical	360	1.00	-
2437MHz	Pass	PK	41.64M	30.19	40.00	-9.81	-19.21	3	Vertical	360	1.00	-
2437MHz	Pass	PK	53.28M	29.50	40.00	-10.50	-24.56	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	249.22M	39.54	46.00	-6.46	-17.26	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	317.12M	42.12	46.00	-3.88	-16.44	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	350.1M	40.96	46.00	-5.04	-15.49	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	549.92M	33.51	46.00	-12.49	-11.17	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	850.62M	40.19	46.00	-5.81	-7.07	3	Horizontal	0	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

11/12/2018

2437MHz_AC

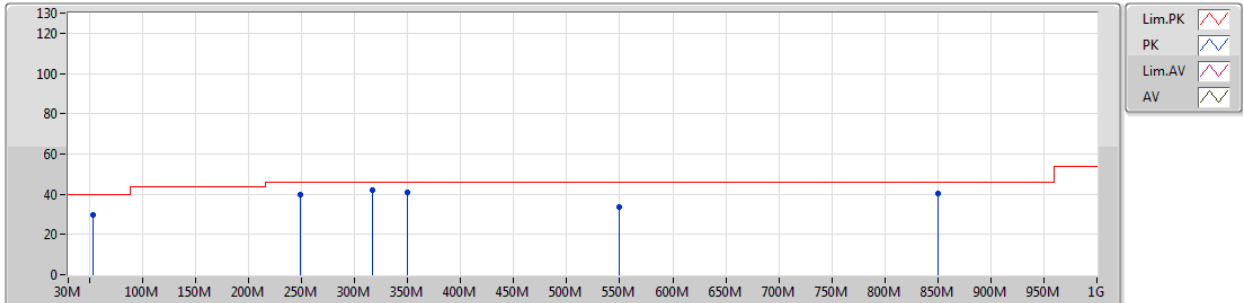


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	189.08M	31.88	43.50	-11.62	-21.38	3	Vertical	360	1.00	-
PK	255.04M	34.59	46.00	-11.41	-16.39	3	Vertical	360	1.00	-
PK	439.34M	36.58	46.00	-9.42	-13.05	3	Vertical	360	1.00	-
PK	563.5M	31.14	46.00	-14.86	-10.41	3	Vertical	360	1.00	-
PK	672.14M	26.77	46.00	-19.23	-10.00	3	Vertical	360	1.00	-
PK	41.64M	30.19	40.00	-9.81	-19.21	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

11/12/2018

2437MHz_AC



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	53.28M	29.50	40.00	-10.50	-24.56	3	Horizontal	0	1.00	-
PK	249.22M	39.54	46.00	-6.46	-17.26	3	Horizontal	0	1.00	-
PK	317.12M	42.12	46.00	-3.88	-16.44	3	Horizontal	0	1.00	-
PK	350.1M	40.96	46.00	-5.04	-15.49	3	Horizontal	0	1.00	-
PK	549.92M	33.51	46.00	-12.49	-11.17	3	Horizontal	0	1.00	-
PK	850.62M	40.19	46.00	-5.81	-7.07	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)_1TX	Pass	AV	2.39G	53.58	54.00	-0.42	30.77	3	Horizontal	246	2.72	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	53.86	54.00	-0.14	30.77	3	Horizontal	235	2.78	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4836G	53.88	54.00	-0.12	31.11	3	Horizontal	302	1.84	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.4838G	53.88	54.00	-0.12	31.11	3	Horizontal	293	1.54	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.93	54.00	-7.07	30.77	3	Vertical	135	2.78	-
2412MHz	Pass	AV	2.4136G	97.85	Inf	-Inf	30.86	3	Vertical	135	2.78	-
2412MHz	Pass	PK	2.3884G	57.46	74.00	-16.54	30.77	3	Vertical	135	2.78	-
2412MHz	Pass	PK	2.4128G	100.58	Inf	-Inf	30.86	3	Vertical	135	2.78	-
2412MHz	Pass	AV	2.39G	53.58	54.00	-0.42	30.77	3	Horizontal	246	2.72	-
2412MHz	Pass	AV	2.413G	104.34	Inf	-Inf	30.86	3	Horizontal	246	2.72	-
2412MHz	Pass	PK	2.39G	61.25	74.00	-12.75	30.77	3	Horizontal	246	2.72	-
2412MHz	Pass	PK	2.4128G	107.20	Inf	-Inf	30.86	3	Horizontal	246	2.72	-
2412MHz	Pass	AV	4.8237G	37.74	54.00	-16.26	2.13	3	Vertical	124	2.39	-
2412MHz	Pass	PK	4.8237G	45.73	74.00	-28.27	2.13	3	Vertical	124	2.39	-
2412MHz	Pass	AV	4.8237G	40.53	54.00	-13.47	2.13	3	Horizontal	359	2.35	-
2412MHz	Pass	PK	4.82376G	51.27	74.00	-22.73	2.13	3	Horizontal	359	2.35	-
2437MHz	Pass	AV	2.3854G	42.16	54.00	-11.84	30.76	3	Vertical	147	2.99	-
2437MHz	Pass	AV	2.4386G	98.08	Inf	-Inf	30.95	3	Vertical	147	2.99	-
2437MHz	Pass	AV	2.4946G	42.98	54.00	-11.02	31.15	3	Vertical	147	2.99	-
2437MHz	Pass	PK	2.389G	55.52	74.00	-18.48	30.77	3	Vertical	147	2.99	-
2437MHz	Pass	PK	2.4378G	100.92	Inf	-Inf	30.95	3	Vertical	147	2.99	-
2437MHz	Pass	PK	2.4986G	56.55	74.00	-17.45	31.17	3	Vertical	147	2.99	-
2437MHz	Pass	AV	2.389G	42.34	54.00	-11.66	30.77	3	Horizontal	256	1.46	-
2437MHz	Pass	AV	2.4386G	102.80	Inf	-Inf	30.95	3	Horizontal	256	1.46	-
2437MHz	Pass	AV	2.4835G	43.25	54.00	-10.75	31.11	3	Horizontal	256	1.46	-
2437MHz	Pass	PK	2.3858G	55.72	74.00	-18.28	30.76	3	Horizontal	256	1.46	-
2437MHz	Pass	PK	2.4378G	105.51	Inf	-Inf	30.95	3	Horizontal	256	1.46	-
2437MHz	Pass	PK	2.4838G	56.73	74.00	-17.27	31.11	3	Horizontal	256	1.46	-
2437MHz	Pass	AV	4.8737G	38.07	54.00	-15.93	2.25	3	Vertical	130	2.57	-
2437MHz	Pass	PK	4.8737G	45.15	74.00	-28.85	2.25	3	Vertical	130	2.57	-
2437MHz	Pass	AV	4.8737G	32.66	54.00	-21.34	2.25	3	Horizontal	33	2.89	-
2437MHz	Pass	PK	4.87346G	42.71	74.00	-31.29	2.25	3	Horizontal	33	2.89	-
2462MHz	Pass	AV	2.461G	98.24	Inf	-Inf	31.03	3	Vertical	132	2.67	-
2462MHz	Pass	AV	2.4846G	44.19	54.00	-9.81	31.12	3	Vertical	132	2.67	-
2462MHz	Pass	PK	2.461G	101.04	Inf	-Inf	31.03	3	Vertical	132	2.67	-
2462MHz	Pass	PK	2.4846G	56.35	74.00	-17.65	31.12	3	Vertical	132	2.67	-
2462MHz	Pass	PK	2.461G	106.11	Inf	-Inf	31.03	3	Horizontal	262	1.00	-
2462MHz	Pass	AV	2.46G	103.31	Inf	-Inf	31.03	3	Horizontal	262	1.00	-
2462MHz	Pass	PK	2.4842G	57.61	74.00	-16.39	31.12	3	Horizontal	262	1.00	-
2462MHz	Pass	AV	2.4846G	46.37	54.00	-7.63	31.12	3	Horizontal	262	1.00	-
2462MHz	Pass	AV	4.9237G	40.27	54.00	-13.73	2.38	3	Vertical	147	2.37	-
2462MHz	Pass	PK	4.92364G	46.47	74.00	-27.53	2.38	3	Vertical	147	2.37	-
2462MHz	Pass	AV	4.9237G	41.54	54.00	-12.46	2.38	3	Horizontal	110	2.15	-
2462MHz	Pass	PK	4.9237G	47.22	74.00	-26.78	2.38	3	Horizontal	110	2.15	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	47.31	54.00	-6.69	30.77	3	Vertical	125	2.76	-
2412MHz	Pass	AV	2.4112G	90.78	Inf	-Inf	30.85	3	Vertical	125	2.76	-
2412MHz	Pass	PK	2.39G	63.70	74.00	-10.30	30.77	3	Vertical	125	2.76	-
2412MHz	Pass	PK	2.4126G	99.85	Inf	-Inf	30.86	3	Vertical	125	2.76	-
2412MHz	Pass	AV	2.39G	53.86	54.00	-0.14	30.77	3	Horizontal	235	2.78	-
2412MHz	Pass	AV	2.4112G	97.91	Inf	-Inf	30.85	3	Horizontal	235	2.78	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.39G	72.00	74.00	-2.00	30.77	3	Horizontal	235	2.78	-
2412MHz	Pass	PK	2.4124G	106.89	Inf	-Inf	30.85	3	Horizontal	235	2.78	-
2412MHz	Pass	AV	4.82826G	31.08	54.00	-22.92	2.15	3	Vertical	10	1.44	-
2412MHz	Pass	PK	4.83294G	42.79	74.00	-31.21	2.15	3	Vertical	10	1.44	-
2412MHz	Pass	AV	4.8096G	30.28	54.00	-23.72	2.10	3	Horizontal	257	1.32	-
2412MHz	Pass	PK	4.80966G	43.01	74.00	-30.99	2.10	3	Horizontal	257	1.32	-
2417MHz	Pass	AV	2.39G	47.82	54.00	-6.18	30.77	3	Vertical	355	2.72	-
2417MHz	Pass	AV	2.4162G	90.89	Inf	-Inf	30.87	3	Vertical	355	2.72	-
2417MHz	Pass	PK	2.39G	62.17	74.00	-11.83	30.77	3	Vertical	355	2.72	-
2417MHz	Pass	PK	2.4174G	99.87	Inf	-Inf	30.87	3	Vertical	355	2.72	-
2417MHz	Pass	AV	2.39G	53.72	54.00	-0.28	30.77	3	Horizontal	238	2.73	-
2417MHz	Pass	AV	2.4162G	99.54	Inf	-Inf	30.87	3	Horizontal	238	2.73	-
2417MHz	Pass	PK	2.3894G	70.67	74.00	-3.33	30.77	3	Horizontal	238	2.73	-
2417MHz	Pass	PK	2.4174G	108.66	Inf	-Inf	30.87	3	Horizontal	238	2.73	-
2422MHz	Pass	AV	2.3898G	46.14	54.00	-7.86	30.77	3	Vertical	358	2.42	-
2422MHz	Pass	AV	2.4212G	92.58	Inf	-Inf	30.89	3	Vertical	358	2.42	-
2422MHz	Pass	PK	2.3882G	58.69	74.00	-15.31	30.77	3	Vertical	358	2.42	-
2422MHz	Pass	PK	2.42G	101.37	Inf	-Inf	30.89	3	Vertical	358	2.42	-
2422MHz	Pass	AV	2.39G	53.45	54.00	-0.55	30.77	3	Horizontal	222	2.74	-
2422MHz	Pass	AV	2.4212G	101.46	Inf	-Inf	30.89	3	Horizontal	222	2.74	-
2422MHz	Pass	PK	2.3894G	67.06	74.00	-6.94	30.77	3	Horizontal	222	2.74	-
2422MHz	Pass	PK	2.4224G	110.45	Inf	-Inf	30.89	3	Horizontal	222	2.74	-
2427MHz	Pass	AV	2.39G	47.21	54.00	-6.79	30.77	3	Vertical	350	2.71	-
2427MHz	Pass	AV	2.4262G	93.87	Inf	-Inf	30.90	3	Vertical	350	2.71	-
2427MHz	Pass	PK	2.39G	59.59	74.00	-14.41	30.77	3	Vertical	350	2.71	-
2427MHz	Pass	PK	2.4274G	102.88	Inf	-Inf	30.91	3	Vertical	350	2.71	-
2427MHz	Pass	AV	2.3896G	53.83	54.00	-0.17	30.77	3	Horizontal	220	2.74	-
2427MHz	Pass	AV	2.4262G	102.94	Inf	-Inf	30.90	3	Horizontal	220	2.74	-
2427MHz	Pass	PK	2.39G	67.67	74.00	-6.33	30.77	3	Horizontal	220	2.74	-
2427MHz	Pass	PK	2.4274G	111.85	Inf	-Inf	30.91	3	Horizontal	220	2.74	-
2437MHz	Pass	AV	2.3894G	44.14	54.00	-9.86	30.77	3	Vertical	141	2.99	-
2437MHz	Pass	AV	2.4366G	96.03	Inf	-Inf	30.94	3	Vertical	141	2.99	-
2437MHz	Pass	AV	2.4835G	46.29	54.00	-7.71	31.11	3	Vertical	141	2.99	-
2437MHz	Pass	PK	2.3898G	57.01	74.00	-16.99	30.77	3	Vertical	141	2.99	-
2437MHz	Pass	PK	2.4374G	105.20	Inf	-Inf	30.94	3	Vertical	141	2.99	-
2437MHz	Pass	PK	2.4835G	61.71	74.00	-12.29	31.11	3	Vertical	141	2.99	-
2437MHz	Pass	AV	2.3898G	46.84	54.00	-7.16	30.77	3	Horizontal	235	2.66	-
2437MHz	Pass	AV	2.4362G	102.68	Inf	-Inf	30.94	3	Horizontal	235	2.66	-
2437MHz	Pass	AV	2.4835G	50.12	54.00	-3.88	31.11	3	Horizontal	235	2.66	-
2437MHz	Pass	PK	2.3894G	59.46	74.00	-14.54	30.77	3	Horizontal	235	2.66	-
2437MHz	Pass	PK	2.4354G	111.25	Inf	-Inf	30.94	3	Horizontal	235	2.66	-
2437MHz	Pass	PK	2.4842G	67.59	74.00	-6.41	31.12	3	Horizontal	235	2.66	-
2437MHz	Pass	AV	4.889G	29.84	54.00	-24.16	2.29	3	Vertical	2	1.50	-
2437MHz	Pass	PK	4.8881G	42.45	74.00	-31.55	2.29	3	Vertical	2	1.50	-
2437MHz	Pass	AV	4.88852G	29.48	54.00	-24.52	2.29	3	Horizontal	241	2.01	-
2437MHz	Pass	PK	4.88852G	42.87	74.00	-31.13	2.29	3	Horizontal	241	2.01	-
2442MHz	Pass	AV	2.4412G	94.43	Inf	-Inf	30.96	3	Vertical	329	1.81	-
2442MHz	Pass	AV	2.4838G	47.24	54.00	-6.76	31.11	3	Vertical	329	1.81	-
2442MHz	Pass	PK	2.4424G	103.39	Inf	-Inf	30.96	3	Vertical	329	1.81	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2442MHz	Pass	PK	2.4858G	60.76	74.00	-13.24	31.12	3	Vertical	329	1.81	-
2442MHz	Pass	AV	2.4412G	102.58	Inf	-Inf	30.96	3	Horizontal	237	2.42	-
2442MHz	Pass	AV	2.4836G	52.74	54.00	-1.26	31.11	3	Horizontal	237	2.42	-
2442MHz	Pass	PK	2.4424G	111.33	Inf	-Inf	30.96	3	Horizontal	237	2.42	-
2442MHz	Pass	PK	2.4882G	65.52	74.00	-8.48	31.13	3	Horizontal	237	2.42	-
2447MHz	Pass	AV	2.446G	93.87	Inf	-Inf	30.98	3	Vertical	357	2.99	-
2447MHz	Pass	AV	2.4836G	46.90	54.00	-7.10	31.11	3	Vertical	357	2.99	-
2447MHz	Pass	PK	2.4474G	102.81	Inf	-Inf	30.98	3	Vertical	357	2.99	-
2447MHz	Pass	PK	2.4835G	61.35	74.00	-12.65	31.11	3	Vertical	357	2.99	-
2447MHz	Pass	AV	2.4462G	102.00	Inf	-Inf	30.98	3	Horizontal	228	2.70	-
2447MHz	Pass	AV	2.4836G	53.61	54.00	-0.39	31.11	3	Horizontal	228	2.70	-
2447MHz	Pass	PK	2.4474G	111.00	Inf	-Inf	30.98	3	Horizontal	228	2.70	-
2447MHz	Pass	PK	2.4836G	68.51	74.00	-5.49	31.11	3	Horizontal	228	2.70	-
2452MHz	Pass	AV	2.4512G	92.91	Inf	-Inf	30.99	3	Vertical	338	2.65	-
2452MHz	Pass	AV	2.4836G	48.03	54.00	-5.97	31.11	3	Vertical	338	2.65	-
2452MHz	Pass	PK	2.4524G	102.05	Inf	-Inf	31.00	3	Vertical	338	2.65	-
2452MHz	Pass	PK	2.4846G	61.25	74.00	-12.75	31.12	3	Vertical	338	2.65	-
2452MHz	Pass	AV	2.4512G	100.55	Inf	-Inf	30.99	3	Horizontal	219	2.45	-
2452MHz	Pass	AV	2.4835G	53.59	54.00	-0.41	31.11	3	Horizontal	219	2.45	-
2452MHz	Pass	PK	2.4524G	109.62	Inf	-Inf	31.00	3	Horizontal	219	2.45	-
2452MHz	Pass	PK	2.4842G	66.72	74.00	-7.28	31.12	3	Horizontal	219	2.45	-
2457MHz	Pass	AV	2.456G	91.87	Inf	-Inf	31.01	3	Vertical	127	2.64	-
2457MHz	Pass	AV	2.4838G	48.27	54.00	-5.73	31.11	3	Vertical	127	2.64	-
2457MHz	Pass	PK	2.4574G	100.94	Inf	-Inf	31.02	3	Vertical	127	2.64	-
2457MHz	Pass	PK	2.4835G	63.65	74.00	-10.35	31.11	3	Vertical	127	2.64	-
2457MHz	Pass	AV	2.4562G	99.64	Inf	-Inf	31.01	3	Horizontal	233	2.36	-
2457MHz	Pass	AV	2.4835G	53.83	54.00	-0.17	31.11	3	Horizontal	233	2.36	-
2457MHz	Pass	PK	2.4574G	108.77	Inf	-Inf	31.02	3	Horizontal	233	2.36	-
2457MHz	Pass	PK	2.4836G	70.40	74.00	-3.60	31.11	3	Horizontal	233	2.36	-
2462MHz	Pass	AV	2.4612G	92.12	Inf	-Inf	31.03	3	Vertical	145	2.67	-
2462MHz	Pass	AV	2.4835G	48.85	54.00	-5.15	31.11	3	Vertical	145	2.67	-
2462MHz	Pass	PK	2.4624G	101.33	Inf	-Inf	31.03	3	Vertical	145	2.67	-
2462MHz	Pass	PK	2.4835G	65.60	74.00	-8.40	31.11	3	Vertical	145	2.67	-
2462MHz	Pass	AV	2.4612G	97.42	Inf	-Inf	31.03	3	Horizontal	255	1.01	-
2462MHz	Pass	AV	2.4835G	53.43	54.00	-0.57	31.11	3	Horizontal	255	1.01	-
2462MHz	Pass	PK	2.4624G	106.49	Inf	-Inf	31.03	3	Horizontal	255	1.01	-
2462MHz	Pass	PK	2.4835G	71.41	74.00	-2.59	31.11	3	Horizontal	255	1.01	-
2462MHz	Pass	AV	4.92772G	30.02	54.00	-23.98	2.39	3	Vertical	40	2.09	-
2462MHz	Pass	PK	4.92682G	43.09	74.00	-30.91	2.39	3	Vertical	40	2.09	-
2462MHz	Pass	AV	4.93402G	30.29	54.00	-23.71	2.40	3	Horizontal	355	1.57	-
2462MHz	Pass	PK	4.93504G	42.78	74.00	-31.22	2.41	3	Horizontal	355	1.57	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.46	54.00	-5.54	30.77	3	Vertical	8	2.78	-
2412MHz	Pass	AV	2.4112G	89.68	Inf	-Inf	30.85	3	Vertical	8	2.78	-
2412MHz	Pass	PK	2.3892G	63.92	74.00	-10.08	30.77	3	Vertical	8	2.78	-
2412MHz	Pass	PK	2.4126G	99.18	Inf	-Inf	30.86	3	Vertical	8	2.78	-
2412MHz	Pass	AV	2.39G	53.83	54.00	-0.17	30.77	3	Horizontal	250	1.50	-
2412MHz	Pass	AV	2.4126G	94.87	Inf	-Inf	30.86	3	Horizontal	250	1.50	-
2412MHz	Pass	PK	2.3888G	69.73	74.00	-4.27	30.77	3	Horizontal	250	1.50	-

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	2.4106G	104.62	Inf	-Inf	30.85	3	Horizontal	250	1.50	-
2412MHz	Pass	AV	4.83036G	30.94	54.00	-23.06	2.15	3	Vertical	0	2.28	-
2412MHz	Pass	PK	4.82064G	43.23	74.00	-30.77	2.12	3	Vertical	0	2.28	-
2412MHz	Pass	AV	4.82976G	31.02	54.00	-22.98	2.15	3	Horizontal	236	1.01	-
2412MHz	Pass	PK	4.8369G	42.83	74.00	-31.17	2.16	3	Horizontal	236	1.01	-
2417MHz	Pass	AV	2.39G	46.76	54.00	-7.24	30.77	3	Vertical	337	2.97	-
2417MHz	Pass	AV	2.4174G	91.57	Inf	-Inf	30.87	3	Vertical	337	2.97	-
2417MHz	Pass	PK	2.39G	60.95	74.00	-13.05	30.77	3	Vertical	337	2.97	-
2417MHz	Pass	PK	2.4166G	100.98	Inf	-Inf	30.87	3	Vertical	337	2.97	-
2417MHz	Pass	AV	2.3898G	53.71	54.00	-0.29	30.77	3	Horizontal	225	2.47	-
2417MHz	Pass	AV	2.4164G	98.78	Inf	-Inf	30.87	3	Horizontal	225	2.47	-
2417MHz	Pass	PK	2.3888G	70.52	74.00	-3.48	30.77	3	Horizontal	225	2.47	-
2417MHz	Pass	PK	2.4164G	107.77	Inf	-Inf	30.87	3	Horizontal	225	2.47	-
2422MHz	Pass	AV	2.39G	46.83	54.00	-7.17	30.77	3	Vertical	328	2.32	-
2422MHz	Pass	AV	2.4224G	93.55	Inf	-Inf	30.89	3	Vertical	328	2.32	-
2422MHz	Pass	PK	2.3886G	59.75	74.00	-14.25	30.77	3	Vertical	328	2.32	-
2422MHz	Pass	PK	2.4218G	102.84	Inf	-Inf	30.89	3	Vertical	328	2.32	-
2422MHz	Pass	AV	2.39G	53.85	54.00	-0.15	30.77	3	Horizontal	306	1.47	-
2422MHz	Pass	AV	2.4226G	98.77	Inf	-Inf	30.89	3	Horizontal	306	1.47	-
2422MHz	Pass	PK	2.3898G	69.13	74.00	-4.87	30.77	3	Horizontal	306	1.47	-
2422MHz	Pass	PK	2.4234G	108.13	Inf	-Inf	30.90	3	Horizontal	306	1.47	-
2427MHz	Pass	AV	2.39G	47.00	54.00	-7.00	30.77	3	Vertical	313	2.35	-
2427MHz	Pass	AV	2.4262G	94.45	Inf	-Inf	30.90	3	Vertical	313	2.35	-
2427MHz	Pass	PK	2.3892G	60.58	74.00	-13.42	30.77	3	Vertical	313	2.35	-
2427MHz	Pass	PK	2.427G	103.80	Inf	-Inf	30.91	3	Vertical	313	2.35	-
2427MHz	Pass	AV	2.39G	53.82	54.00	-0.18	30.77	3	Horizontal	224	2.51	-
2427MHz	Pass	AV	2.4274G	101.06	Inf	-Inf	30.91	3	Horizontal	224	2.51	-
2427MHz	Pass	PK	2.3896G	67.22	74.00	-6.78	30.77	3	Horizontal	224	2.51	-
2427MHz	Pass	PK	2.425G	110.60	Inf	-Inf	30.90	3	Horizontal	224	2.51	-
2432MHz	Pass	AV	2.3896G	44.75	54.00	-9.25	30.77	3	Vertical	327	2.11	-
2432MHz	Pass	AV	2.4324G	95.69	Inf	-Inf	30.93	3	Vertical	327	2.11	-
2432MHz	Pass	PK	2.389G	56.44	74.00	-17.56	30.77	3	Vertical	327	2.11	-
2432MHz	Pass	PK	2.4344G	104.78	Inf	-Inf	30.94	3	Vertical	327	2.11	-
2432MHz	Pass	AV	2.3898G	48.70	54.00	-5.30	30.77	3	Horizontal	219	2.74	-
2432MHz	Pass	AV	2.4324G	101.66	Inf	-Inf	30.93	3	Horizontal	219	2.74	-
2432MHz	Pass	PK	2.3892G	61.41	74.00	-12.59	30.77	3	Horizontal	219	2.74	-
2432MHz	Pass	PK	2.4304G	111.14	Inf	-Inf	30.92	3	Horizontal	219	2.74	-
2437MHz	Pass	AV	2.3898G	44.31	54.00	-9.69	30.77	3	Vertical	141	2.97	-
2437MHz	Pass	AV	2.4374G	95.88	Inf	-Inf	30.94	3	Vertical	141	2.97	-
2437MHz	Pass	AV	2.4842G	46.41	54.00	-7.59	31.12	3	Vertical	141	2.97	-
2437MHz	Pass	PK	2.3882G	56.43	74.00	-17.57	30.77	3	Vertical	141	2.97	-
2437MHz	Pass	PK	2.4386G	105.41	Inf	-Inf	30.95	3	Vertical	141	2.97	-
2437MHz	Pass	PK	2.4846G	61.17	74.00	-12.83	31.12	3	Vertical	141	2.97	-
2437MHz	Pass	AV	2.389G	46.87	54.00	-7.13	30.77	3	Horizontal	245	2.66	-
2437MHz	Pass	AV	2.4362G	101.63	Inf	-Inf	30.94	3	Horizontal	245	2.66	-
2437MHz	Pass	AV	2.4835G	50.93	54.00	-3.07	31.11	3	Horizontal	245	2.66	-
2437MHz	Pass	PK	2.3894G	59.73	74.00	-14.27	30.77	3	Horizontal	245	2.66	-
2437MHz	Pass	PK	2.437G	110.82	Inf	-Inf	30.94	3	Horizontal	245	2.66	-
2437MHz	Pass	PK	2.4835G	66.78	74.00	-7.22	31.11	3	Horizontal	245	2.66	-

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	4.87394G	31.35	54.00	-22.65	2.25	3	Vertical	131	2.41	-
2437MHz	Pass	PK	4.87634G	44.51	74.00	-29.49	2.26	3	Vertical	131	2.41	-
2437MHz	Pass	AV	4.8746G	30.49	54.00	-23.51	2.25	3	Horizontal	180	1.50	-
2437MHz	Pass	PK	4.8782G	42.75	74.00	-31.25	2.27	3	Horizontal	180	1.50	-
2442MHz	Pass	AV	2.4426G	93.63	Inf	-Inf	30.96	3	Vertical	315	1.67	-
2442MHz	Pass	AV	2.4836G	46.99	54.00	-7.01	31.11	3	Vertical	315	1.67	-
2442MHz	Pass	PK	2.442G	103.12	Inf	-Inf	30.96	3	Vertical	315	1.67	-
2442MHz	Pass	PK	2.4836G	62.38	74.00	-11.62	31.11	3	Vertical	315	1.67	-
2442MHz	Pass	AV	2.4424G	100.55	Inf	-Inf	30.96	3	Horizontal	297	1.86	-
2442MHz	Pass	AV	2.4838G	50.87	54.00	-3.13	31.11	3	Horizontal	297	1.86	-
2442MHz	Pass	PK	2.443G	109.96	Inf	-Inf	30.96	3	Horizontal	297	1.86	-
2442MHz	Pass	PK	2.4844G	66.72	74.00	-7.28	31.12	3	Horizontal	297	1.86	-
2447MHz	Pass	AV	2.4474G	95.49	Inf	-Inf	30.98	3	Vertical	320	2.13	-
2447MHz	Pass	AV	2.4835G	49.69	54.00	-4.31	31.11	3	Vertical	320	2.13	-
2447MHz	Pass	PK	2.4454G	104.52	Inf	-Inf	30.98	3	Vertical	320	2.13	-
2447MHz	Pass	PK	2.4835G	63.17	74.00	-10.83	31.11	3	Vertical	320	2.13	-
2447MHz	Pass	AV	2.4474G	100.03	Inf	-Inf	30.98	3	Horizontal	302	1.82	-
2447MHz	Pass	AV	2.4836G	53.58	54.00	-0.42	31.11	3	Horizontal	302	1.82	-
2447MHz	Pass	PK	2.4454G	109.43	Inf	-Inf	30.98	3	Horizontal	302	1.82	-
2447MHz	Pass	PK	2.4836G	67.49	74.00	-6.51	31.11	3	Horizontal	302	1.82	-
2452MHz	Pass	AV	2.451G	92.00	Inf	-Inf	30.99	3	Vertical	321	1.68	-
2452MHz	Pass	AV	2.4835G	48.51	54.00	-5.49	31.11	3	Vertical	321	1.68	-
2452MHz	Pass	PK	2.4516G	101.23	Inf	-Inf	30.99	3	Vertical	321	1.68	-
2452MHz	Pass	PK	2.4846G	63.13	74.00	-10.87	31.12	3	Vertical	321	1.68	-
2452MHz	Pass	AV	2.4526G	98.81	Inf	-Inf	31.00	3	Horizontal	302	1.84	-
2452MHz	Pass	AV	2.4836G	53.88	54.00	-0.12	31.11	3	Horizontal	302	1.84	-
2452MHz	Pass	PK	2.452G	108.06	Inf	-Inf	31.00	3	Horizontal	302	1.84	-
2452MHz	Pass	PK	2.4835G	68.39	74.00	-5.61	31.11	3	Horizontal	302	1.84	-
2457MHz	Pass	AV	2.4574G	92.59	Inf	-Inf	31.02	3	Vertical	323	2.07	-
2457MHz	Pass	AV	2.4835G	50.47	54.00	-3.53	31.11	3	Vertical	323	2.07	-
2457MHz	Pass	PK	2.4582G	102.06	Inf	-Inf	31.02	3	Vertical	323	2.07	-
2457MHz	Pass	PK	2.4838G	66.13	74.00	-7.87	31.11	3	Vertical	323	2.07	-
2457MHz	Pass	AV	2.4576G	96.42	Inf	-Inf	31.02	3	Horizontal	303	1.50	-
2457MHz	Pass	AV	2.4835G	53.75	54.00	-0.25	31.11	3	Horizontal	303	1.50	-
2457MHz	Pass	PK	2.4568G	106.03	Inf	-Inf	31.02	3	Horizontal	303	1.50	-
2457MHz	Pass	PK	2.484G	69.31	74.00	-4.69	31.12	3	Horizontal	303	1.50	-
2462MHz	Pass	AV	2.4626G	91.41	Inf	-Inf	31.04	3	Vertical	139	2.93	-
2462MHz	Pass	AV	2.4835G	49.45	54.00	-4.55	31.11	3	Vertical	139	2.93	-
2462MHz	Pass	PK	2.4638G	101.48	Inf	-Inf	31.04	3	Vertical	139	2.93	-
2462MHz	Pass	PK	2.4838G	70.04	74.00	-3.96	31.11	3	Vertical	139	2.93	-
2462MHz	Pass	AV	2.4626G	96.74	Inf	-Inf	31.04	3	Horizontal	253	1.01	-
2462MHz	Pass	AV	2.4835G	53.80	54.00	-0.20	31.11	3	Horizontal	253	1.01	-
2462MHz	Pass	PK	2.4602G	105.98	Inf	-Inf	31.03	3	Horizontal	253	1.01	-
2462MHz	Pass	PK	2.485G	72.90	74.00	-1.10	31.12	3	Horizontal	253	1.01	-
2462MHz	Pass	AV	4.93528G	30.20	54.00	-23.80	2.41	3	Vertical	0	1.50	-
2462MHz	Pass	PK	4.93642G	42.47	74.00	-31.53	2.42	3	Vertical	0	1.50	-
2462MHz	Pass	AV	4.93666G	29.98	54.00	-24.02	2.42	3	Horizontal	150	1.72	-
2462MHz	Pass	PK	4.91998G	44.39	74.00	-29.61	2.36	3	Horizontal	150	1.72	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-

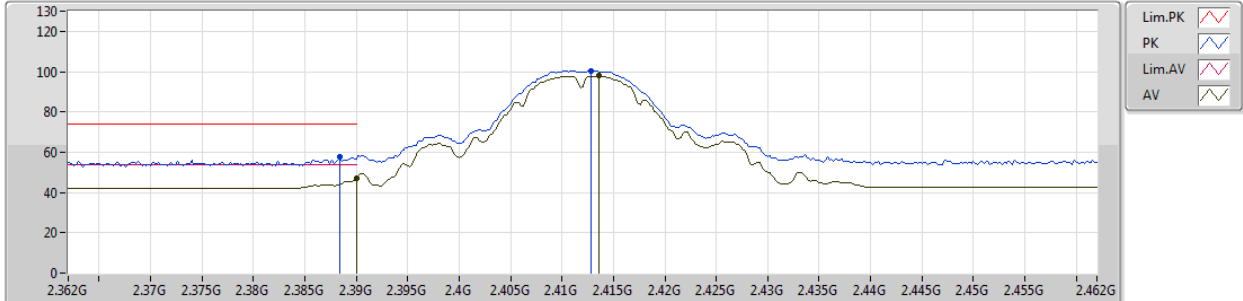
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	2.388G	47.04	54.00	-6.96	30.77	3	Vertical	203	2.99	-
2422MHz	Pass	AV	2.4228G	84.76	Inf	-Inf	30.89	3	Vertical	203	2.99	-
2422MHz	Pass	AV	2.4876G	44.98	54.00	-9.02	31.13	3	Vertical	203	2.99	-
2422MHz	Pass	PK	2.3896G	59.69	74.00	-14.31	30.77	3	Vertical	203	2.99	-
2422MHz	Pass	PK	2.4232G	93.25	Inf	-Inf	30.89	3	Vertical	203	2.99	-
2422MHz	Pass	PK	2.4988G	56.46	74.00	-17.54	31.17	3	Vertical	203	2.99	-
2422MHz	Pass	AV	2.39G	53.28	54.00	-0.72	30.77	3	Horizontal	247	2.14	-
2422MHz	Pass	AV	2.4228G	92.88	Inf	-Inf	30.89	3	Horizontal	247	2.14	-
2422MHz	Pass	AV	2.484G	47.05	54.00	-6.95	31.12	3	Horizontal	247	2.14	-
2422MHz	Pass	PK	2.3884G	69.05	74.00	-4.95	30.77	3	Horizontal	247	2.14	-
2422MHz	Pass	PK	2.4232G	101.40	Inf	-Inf	30.89	3	Horizontal	247	2.14	-
2422MHz	Pass	PK	2.4852G	59.76	74.00	-14.24	31.12	3	Horizontal	247	2.14	-
2422MHz	Pass	AV	4.82978G	31.39	54.00	-22.61	2.15	3	Vertical	156	1.50	-
2422MHz	Pass	PK	4.83014G	43.71	74.00	-30.29	2.15	3	Vertical	156	1.50	-
2422MHz	Pass	AV	4.85102G	31.20	54.00	-22.80	2.20	3	Horizontal	8	2.34	-
2422MHz	Pass	PK	4.84328G	43.50	74.00	-30.50	2.18	3	Horizontal	8	2.34	-
2427MHz	Pass	AV	2.3898G	48.84	54.00	-5.16	30.77	3	Vertical	326	2.74	-
2427MHz	Pass	AV	2.4278G	87.80	Inf	-Inf	30.91	3	Vertical	326	2.74	-
2427MHz	Pass	AV	2.4862G	45.71	54.00	-8.29	31.12	3	Vertical	326	2.74	-
2427MHz	Pass	PK	2.3858G	62.03	74.00	-11.97	30.76	3	Vertical	326	2.74	-
2427MHz	Pass	PK	2.425G	96.59	Inf	-Inf	30.90	3	Vertical	326	2.74	-
2427MHz	Pass	PK	2.4906G	57.92	74.00	-16.08	31.13	3	Vertical	326	2.74	-
2427MHz	Pass	AV	2.3898G	53.77	54.00	-0.23	30.77	3	Horizontal	211	2.74	-
2427MHz	Pass	AV	2.4278G	94.65	Inf	-Inf	30.91	3	Horizontal	211	2.74	-
2427MHz	Pass	AV	2.4842G	48.41	54.00	-5.59	31.12	3	Horizontal	211	2.74	-
2427MHz	Pass	PK	2.3866G	68.44	74.00	-5.56	30.76	3	Horizontal	211	2.74	-
2427MHz	Pass	PK	2.4326G	103.58	Inf	-Inf	30.93	3	Horizontal	211	2.74	-
2427MHz	Pass	PK	2.493G	62.29	74.00	-11.71	31.14	3	Horizontal	211	2.74	-
2432MHz	Pass	AV	2.39G	46.85	54.00	-7.15	30.77	3	Vertical	319	2.10	-
2432MHz	Pass	AV	2.4328G	89.10	Inf	-Inf	30.93	3	Vertical	319	2.10	-
2432MHz	Pass	AV	2.4835G	47.02	54.00	-6.98	31.11	3	Vertical	319	2.10	-
2432MHz	Pass	PK	2.3872G	58.79	74.00	-15.21	30.76	3	Vertical	319	2.10	-
2432MHz	Pass	PK	2.4328G	97.46	Inf	-Inf	30.93	3	Vertical	319	2.10	-
2432MHz	Pass	PK	2.4835G	60.21	74.00	-13.79	31.11	3	Vertical	319	2.10	-
2432MHz	Pass	AV	2.39G	50.76	54.00	-3.24	30.77	3	Horizontal	294	1.24	-
2432MHz	Pass	AV	2.4344G	92.78	Inf	-Inf	30.94	3	Horizontal	294	1.24	-
2432MHz	Pass	AV	2.4835G	49.31	54.00	-4.69	31.11	3	Horizontal	294	1.24	-
2432MHz	Pass	PK	2.39G	65.32	74.00	-8.68	30.77	3	Horizontal	294	1.24	-
2432MHz	Pass	PK	2.4336G	101.53	Inf	-Inf	30.93	3	Horizontal	294	1.24	-
2432MHz	Pass	PK	2.4848G	62.68	74.00	-11.32	31.12	3	Horizontal	294	1.24	-
2437MHz	Pass	AV	2.3894G	46.46	54.00	-7.54	30.77	3	Vertical	134	2.99	-
2437MHz	Pass	AV	2.4382G	89.39	Inf	-Inf	30.95	3	Vertical	134	2.99	-
2437MHz	Pass	AV	2.4835G	48.95	54.00	-5.05	31.11	3	Vertical	134	2.99	-
2437MHz	Pass	PK	2.3894G	59.35	74.00	-14.65	30.77	3	Vertical	134	2.99	-
2437MHz	Pass	PK	2.441G	98.49	Inf	-Inf	30.95	3	Vertical	134	2.99	-
2437MHz	Pass	PK	2.4846G	62.97	74.00	-11.03	31.12	3	Vertical	134	2.99	-
2437MHz	Pass	AV	2.3894G	50.32	54.00	-3.68	30.77	3	Horizontal	243	2.69	-
2437MHz	Pass	AV	2.4378G	96.09	Inf	-Inf	30.95	3	Horizontal	243	2.69	-
2437MHz	Pass	AV	2.4838G	53.37	54.00	-0.63	31.11	3	Horizontal	243	2.69	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3898G	65.53	74.00	-8.47	30.77	3	Horizontal	243	2.69	-
2437MHz	Pass	PK	2.4386G	104.34	Inf	-Inf	30.95	3	Horizontal	243	2.69	-
2437MHz	Pass	PK	2.4835G	71.96	74.00	-2.04	31.11	3	Horizontal	243	2.69	-
2437MHz	Pass	AV	4.87988G	30.81	54.00	-23.19	2.27	3	Vertical	162	1.22	-
2437MHz	Pass	PK	4.86146G	43.15	74.00	-30.85	2.23	3	Vertical	182	1.22	-
2437MHz	Pass	AV	4.87238G	30.93	54.00	-23.07	2.25	3	Horizontal	342	1.50	-
2437MHz	Pass	PK	4.87292G	42.97	74.00	-31.03	2.25	3	Horizontal	342	1.50	-
2442MHz	Pass	AV	2.39G	44.49	54.00	-9.51	30.77	3	Vertical	317	2.12	-
2442MHz	Pass	AV	2.4428G	89.16	Inf	-Inf	30.96	3	Vertical	317	2.12	-
2442MHz	Pass	AV	2.4844G	48.47	54.00	-5.53	31.12	3	Vertical	317	2.12	-
2442MHz	Pass	PK	2.39G	56.24	74.00	-17.76	30.77	3	Vertical	317	2.12	-
2442MHz	Pass	PK	2.4432G	96.85	Inf	-Inf	30.96	3	Vertical	317	2.12	-
2442MHz	Pass	PK	2.486G	63.90	74.00	-10.10	31.12	3	Vertical	317	2.12	-
2442MHz	Pass	AV	2.3896G	46.42	54.00	-7.58	30.77	3	Horizontal	292	1.46	-
2442MHz	Pass	AV	2.4428G	93.67	Inf	-Inf	30.96	3	Horizontal	292	1.46	-
2442MHz	Pass	AV	2.4835G	52.30	54.00	-1.70	31.11	3	Horizontal	292	1.46	-
2442MHz	Pass	PK	2.3856G	60.33	74.00	-13.67	30.76	3	Horizontal	292	1.46	-
2442MHz	Pass	PK	2.4436G	102.32	Inf	-Inf	30.96	3	Horizontal	292	1.46	-
2442MHz	Pass	PK	2.4835G	69.92	74.00	-4.08	31.11	3	Horizontal	292	1.46	-
2447MHz	Pass	AV	2.3878G	44.27	54.00	-9.73	30.77	3	Vertical	292	1.56	-
2447MHz	Pass	AV	2.4478G	85.11	Inf	-Inf	30.98	3	Vertical	292	1.56	-
2447MHz	Pass	AV	2.4835G	49.67	54.00	-4.33	31.11	3	Vertical	292	1.56	-
2447MHz	Pass	PK	2.3726G	55.96	74.00	-18.04	30.71	3	Vertical	292	1.56	-
2447MHz	Pass	PK	2.4486G	93.68	Inf	-Inf	30.99	3	Vertical	292	1.56	-
2447MHz	Pass	PK	2.4838G	66.62	74.00	-7.38	31.11	3	Vertical	292	1.56	-
2447MHz	Pass	AV	2.3898G	45.09	54.00	-8.91	30.77	3	Horizontal	293	1.54	-
2447MHz	Pass	AV	2.4482G	92.65	Inf	-Inf	30.98	3	Horizontal	293	1.54	-
2447MHz	Pass	AV	2.4838G	53.88	54.00	-0.12	31.11	3	Horizontal	293	1.54	-
2447MHz	Pass	PK	2.3898G	58.85	74.00	-15.15	30.77	3	Horizontal	293	1.54	-
2447MHz	Pass	PK	2.4486G	101.62	Inf	-Inf	30.99	3	Horizontal	293	1.54	-
2447MHz	Pass	PK	2.4878G	71.23	74.00	-2.77	31.13	3	Horizontal	293	1.54	-
2452MHz	Pass	AV	2.382G	43.98	54.00	-10.02	30.75	3	Vertical	346	2.65	-
2452MHz	Pass	AV	2.4532G	86.26	Inf	-Inf	31.00	3	Vertical	346	2.65	-
2452MHz	Pass	AV	2.4844G	48.58	54.00	-5.42	31.12	3	Vertical	346	2.65	-
2452MHz	Pass	PK	2.3552G	56.17	74.00	-17.83	30.65	3	Vertical	346	2.65	-
2452MHz	Pass	PK	2.4532G	94.67	Inf	-Inf	31.00	3	Vertical	346	2.65	-
2452MHz	Pass	PK	2.484G	67.02	74.00	-6.98	31.12	3	Vertical	346	2.65	-
2452MHz	Pass	AV	2.3864G	44.25	54.00	-9.75	30.76	3	Horizontal	242	1.29	-
2452MHz	Pass	AV	2.4532G	92.63	Inf	-Inf	31.00	3	Horizontal	242	1.29	-
2452MHz	Pass	AV	2.4844G	53.07	54.00	-0.93	31.12	3	Horizontal	242	1.29	-
2452MHz	Pass	PK	2.39G	57.56	74.00	-16.44	30.77	3	Horizontal	242	1.29	-
2452MHz	Pass	PK	2.4544G	101.45	Inf	-Inf	31.00	3	Horizontal	242	1.29	-
2452MHz	Pass	PK	2.4892G	71.53	74.00	-2.47	31.13	3	Horizontal	242	1.29	-
2452MHz	Pass	AV	4.90112G	31.07	54.00	-22.93	2.32	3	Vertical	180	2.21	-
2452MHz	Pass	PK	4.89062G	43.27	74.00	-30.73	2.29	3	Vertical	180	2.21	-
2452MHz	Pass	AV	4.89236G	31.10	54.00	-22.90	2.31	3	Horizontal	70	1.50	-
2452MHz	Pass	PK	4.9037G	43.01	74.00	-30.99	2.33	3	Horizontal	70	1.50	-

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2412MHz_TX

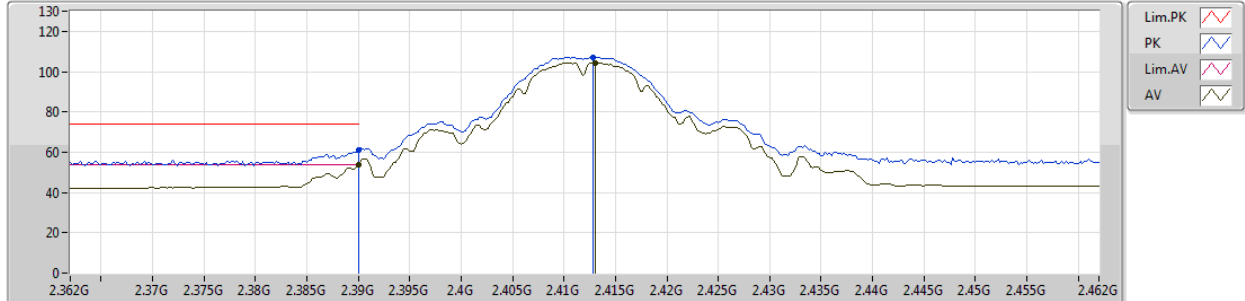


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	46.93	54.00	-7.07	30.77	3	Vertical	135	2.78	-
AV	2.4136G	97.85	Inf	-Inf	30.86	3	Vertical	135	2.78	-
PK	2.3884G	57.46	74.00	-16.54	30.77	3	Vertical	135	2.78	-
PK	2.4128G	100.58	Inf	-Inf	30.86	3	Vertical	135	2.78	-

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2412MHz_TX

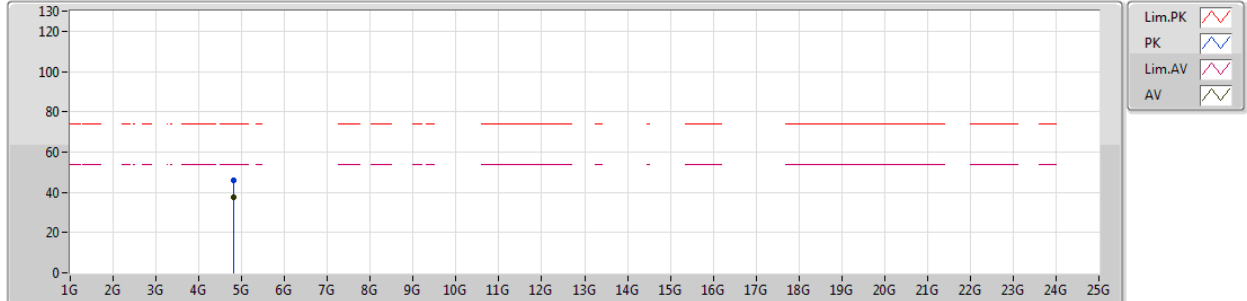


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.39G	53.58	54.00	-0.42	30.77	3	Horizontal	246	2.72	-								
AV	2.413G	104.34	Inf	-Inf	30.86	3	Horizontal	246	2.72	-								
PK	2.39G	61.25	74.00	-12.75	30.77	3	Horizontal	246	2.72	-								
PK	2.4128G	107.20	Inf	-Inf	30.86	3	Horizontal	246	2.72	-								

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2412MHz_TX

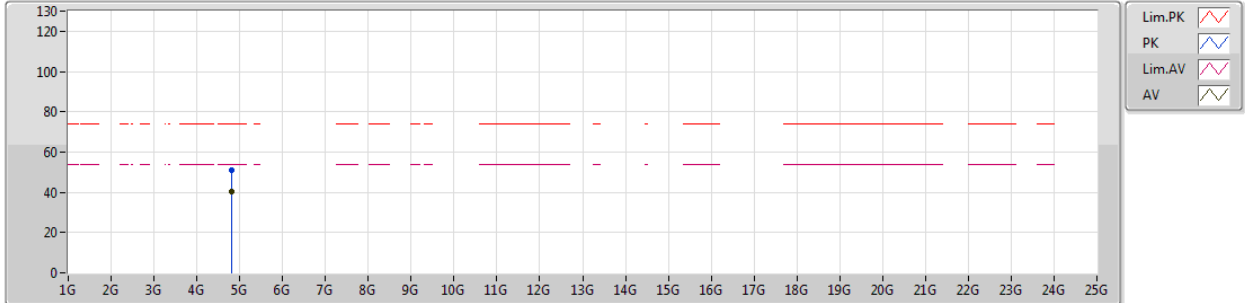


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.8237G	37.74	54.00	-16.26	2.13	3	Vertical	124	2.39	-								
PK	4.8237G	45.73	74.00	-28.27	2.13	3	Vertical	124	2.39	-								

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2412MHz_TX

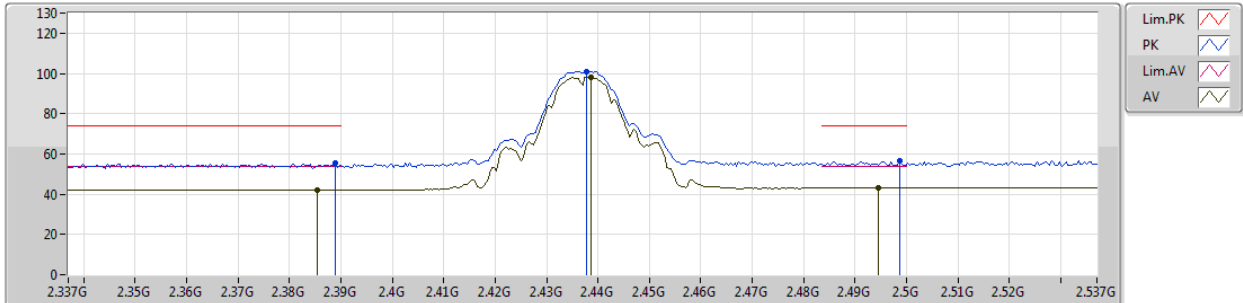


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)		(m)		(°)	(m)									
AV	4.8237G	40.53	54.00	-13.47	2.13	3	Horizontal	359	2.35	-								
PK	4.82376G	51.27	74.00	-22.73	2.13	3	Horizontal	359	2.35	-								

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2437MHz_TX

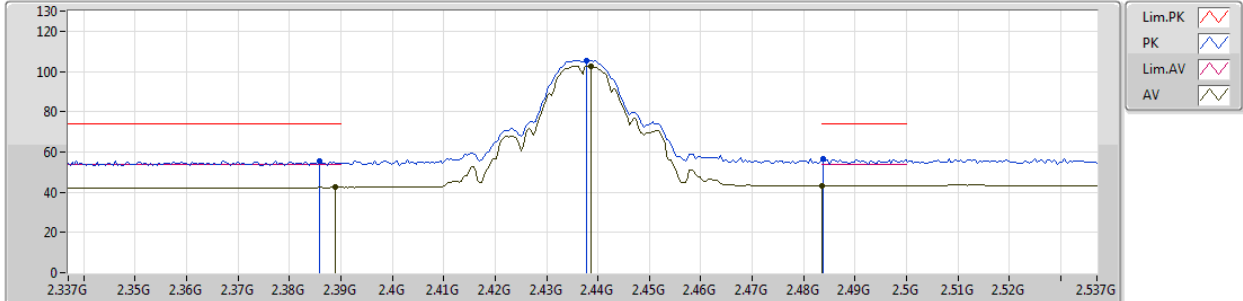


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3854G	42.16	54.00	-11.84	30.76	3	Vertical	147	2.99	-
AV	2.4386G	98.08	Inf	-Inf	30.95	3	Vertical	147	2.99	-
AV	2.4946G	42.98	54.00	-11.02	31.15	3	Vertical	147	2.99	-
PK	2.389G	55.52	74.00	-18.48	30.77	3	Vertical	147	2.99	-
PK	2.4378G	100.92	Inf	-Inf	30.95	3	Vertical	147	2.99	-
PK	2.4986G	56.55	74.00	-17.45	31.17	3	Vertical	147	2.99	-

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2437MHz_TX

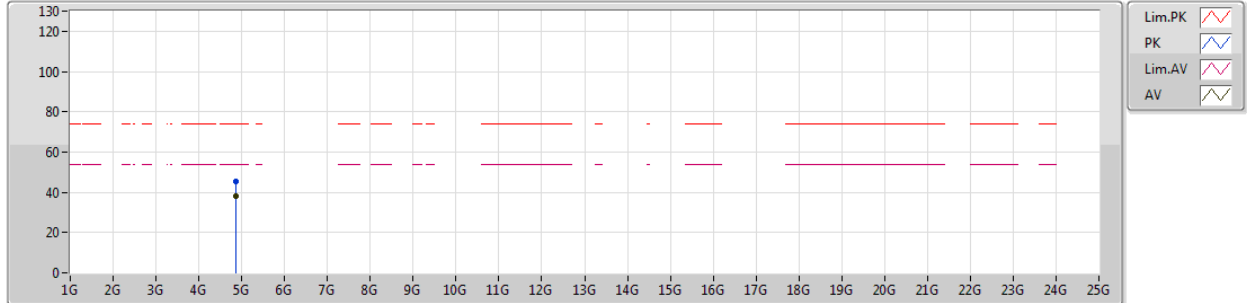


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	42.34	54.00	-11.66	30.77	3	Horizontal	256	1.46	-
AV	2.4386G	102.80	Inf	-Inf	30.95	3	Horizontal	256	1.46	-
AV	2.4835G	43.25	54.00	-10.75	31.11	3	Horizontal	256	1.46	-
PK	2.3858G	55.72	74.00	-18.28	30.76	3	Horizontal	256	1.46	-
PK	2.4378G	105.51	Inf	-Inf	30.95	3	Horizontal	256	1.46	-
PK	2.4838G	56.73	74.00	-17.27	31.11	3	Horizontal	256	1.46	-

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2437MHz_TX

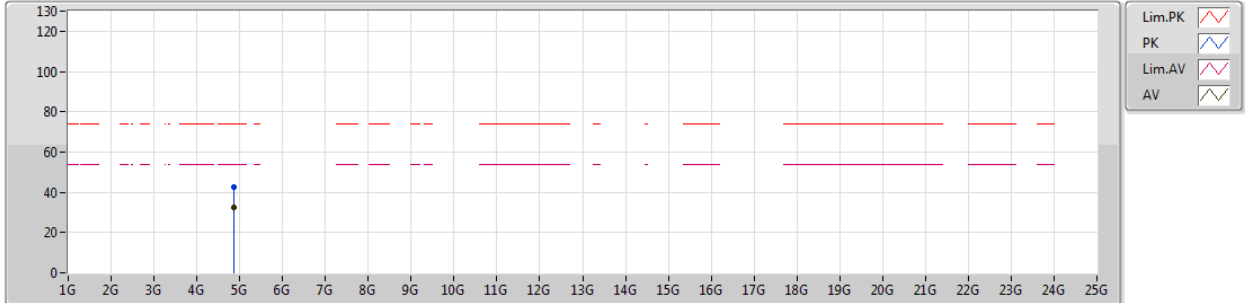


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.8737G	38.07	54.00	-15.93	2.25	3	Vertical	130	2.57	-								
PK	4.8737G	45.15	74.00	-28.85	2.25	3	Vertical	130	2.57	-								

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

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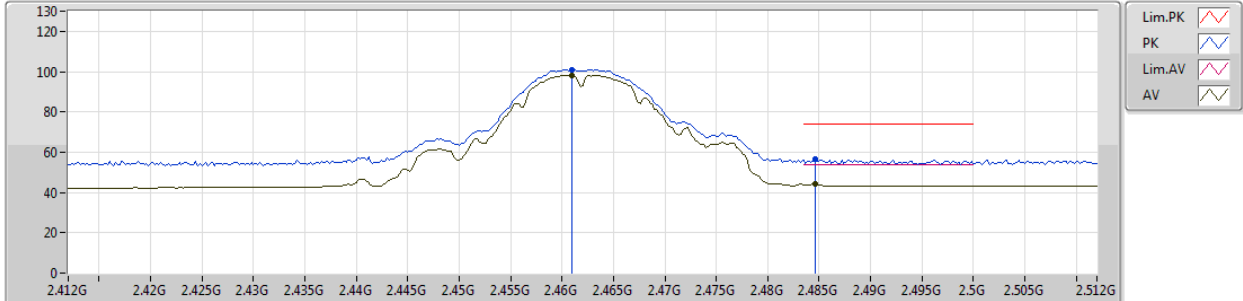


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.8737G	32.66	54.00	-21.34	2.25	3	Horizontal	33	2.89	-								
PK	4.87346G	42.71	74.00	-31.29	2.25	3	Horizontal	33	2.89	-								

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2462MHz_TX

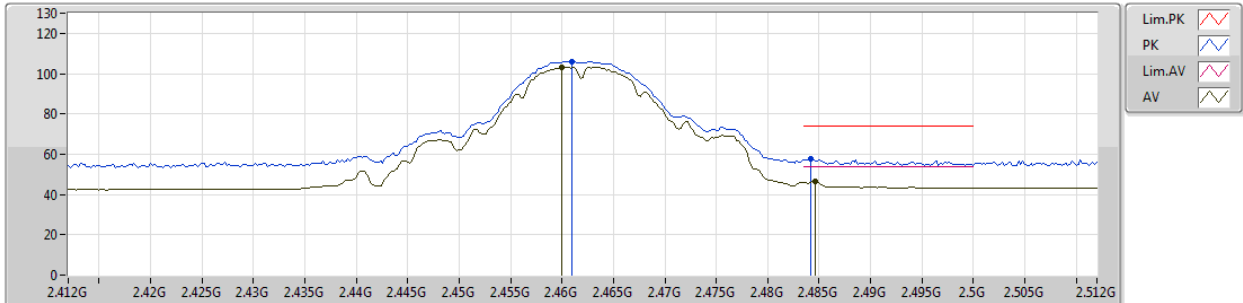


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.461G	98.24	Inf	-Inf	31.03	3	Vertical	132	2.67	-
AV	2.4846G	44.19	54.00	-9.81	31.12	3	Vertical	132	2.67	-
PK	2.461G	101.04	Inf	-Inf	31.03	3	Vertical	132	2.67	-
PK	2.4846G	56.35	74.00	-17.65	31.12	3	Vertical	132	2.67	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/11/2018

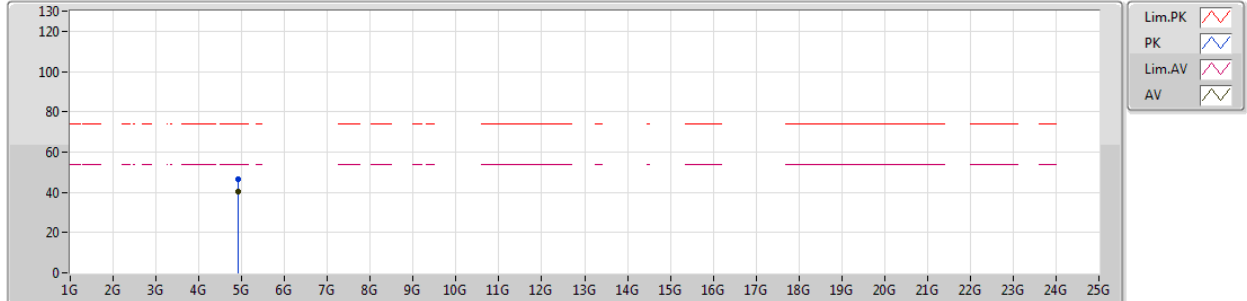


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.46G	103.31	Inf	-Inf	31.03	3	Horizontal	262	1.00	-
AV	2.4846G	46.37	54.00	-7.63	31.12	3	Horizontal	262	1.00	-
PK	2.461G	106.11	Inf	-Inf	31.03	3	Horizontal	262	1.00	-
PK	2.4842G	57.61	74.00	-16.39	31.12	3	Horizontal	262	1.00	-

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2462MHz_TX

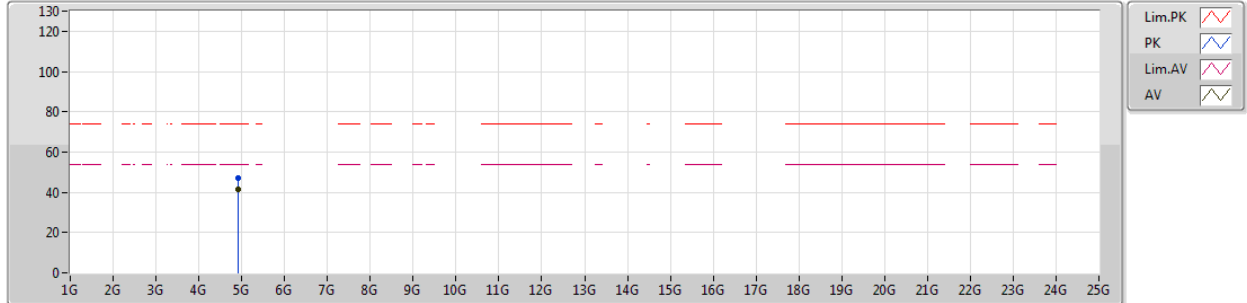


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.9237G	40.27	54.00	-13.73	2.38	3	Vertical	147	2.37	-								
PK	4.92364G	46.47	74.00	-27.53	2.38	3	Vertical	147	2.37	-								

802.11b_Nss1,(1Mbps)_1TX

05/11/2018

2462MHz_TX

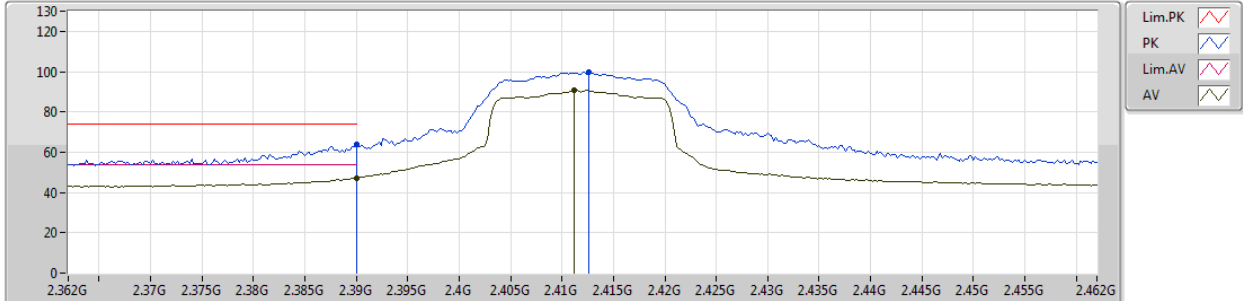


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.9237G	41.54	54.00	-12.46	2.38	3	Horizontal	110	2.15	-								
PK	4.9237G	47.22	74.00	-26.78	2.38	3	Horizontal	110	2.15	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2412MHz_TX

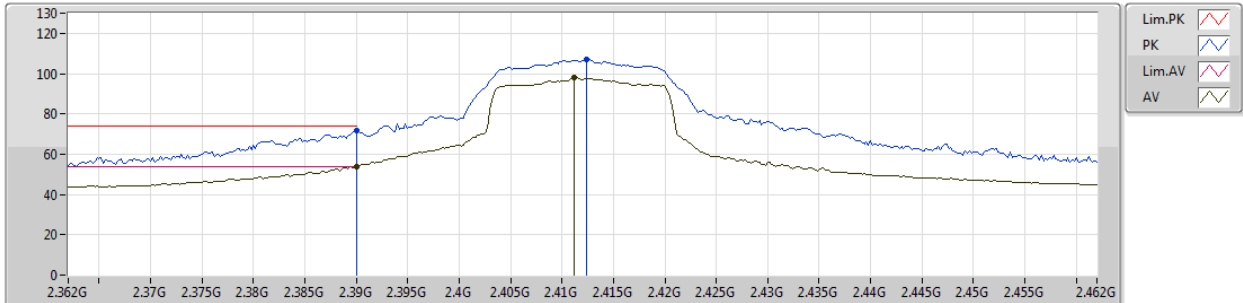


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	47.31	54.00	-6.69	30.77	3	Vertical	125	2.76	-
AV	2.4112G	90.78	Inf	-Inf	30.85	3	Vertical	125	2.76	-
PK	2.39G	63.70	74.00	-10.30	30.77	3	Vertical	125	2.76	-
PK	2.4126G	99.85	Inf	-Inf	30.86	3	Vertical	125	2.76	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2412MHz_TX

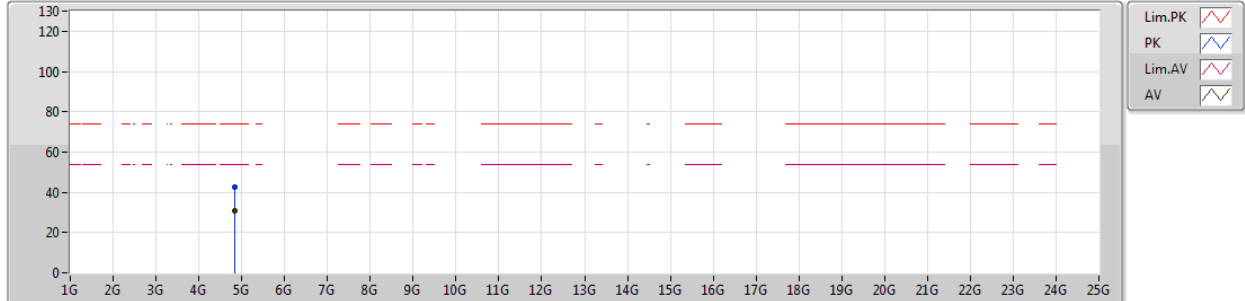


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.86	54.00	-0.14	30.77	3	Horizontal	235	2.78	-
AV	2.4112G	97.91	Inf	-Inf	30.85	3	Horizontal	235	2.78	-
PK	2.39G	72.00	74.00	-2.00	30.77	3	Horizontal	235	2.78	-
PK	2.4124G	106.89	Inf	-Inf	30.85	3	Horizontal	235	2.78	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2412MHz_TX

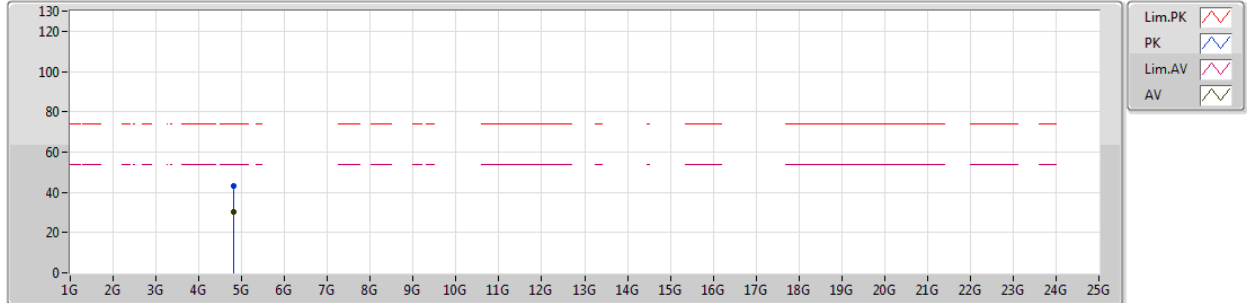


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.82826G	31.08	54.00	-22.92	2.15	3	Vertical	10	1.44	-								
PK	4.83294G	42.79	74.00	-31.21	2.15	3	Vertical	10	1.44	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2412MHz_TX

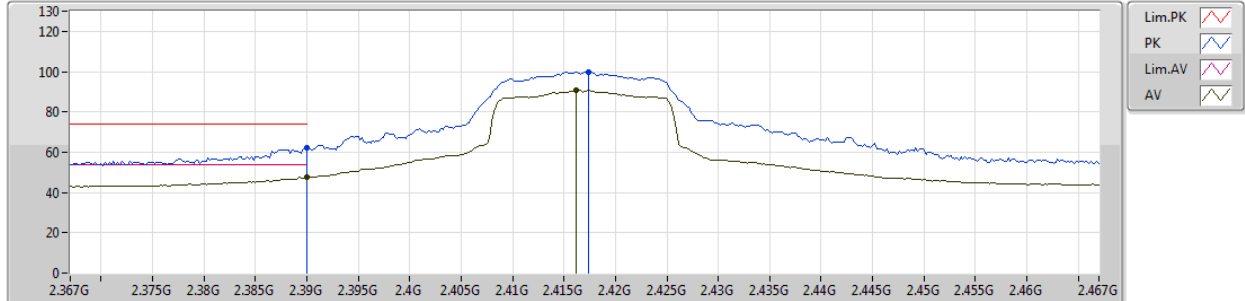


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8096G	30.28	54.00	-23.72	2.10	3	Horizontal	257	1.32	-
PK	4.80966G	43.01	74.00	-30.99	2.10	3	Horizontal	257	1.32	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2417MHz_TX

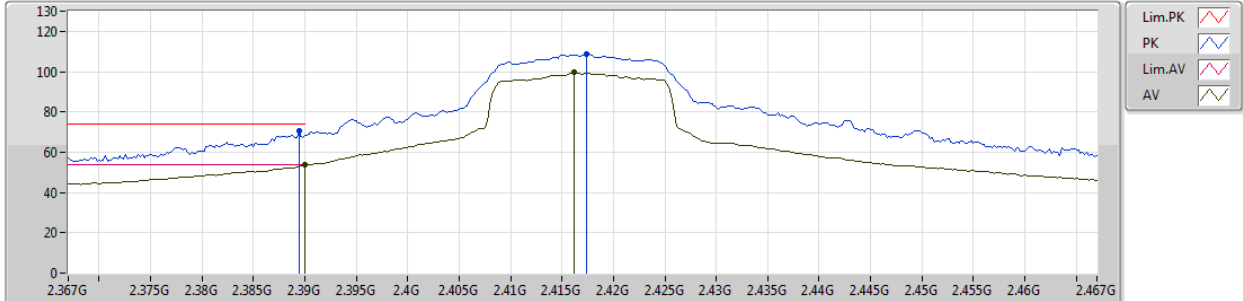


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
AV	2.39G	47.82	54.00	-6.18	30.77	3	Vertical	355	2.72	-							
AV	2.4162G	90.89	Inf	-Inf	30.87	3	Vertical	355	2.72	-							
PK	2.39G	62.17	74.00	-11.83	30.77	3	Vertical	355	2.72	-							
PK	2.4174G	99.87	Inf	-Inf	30.87	3	Vertical	355	2.72	-							

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2417MHz_TX

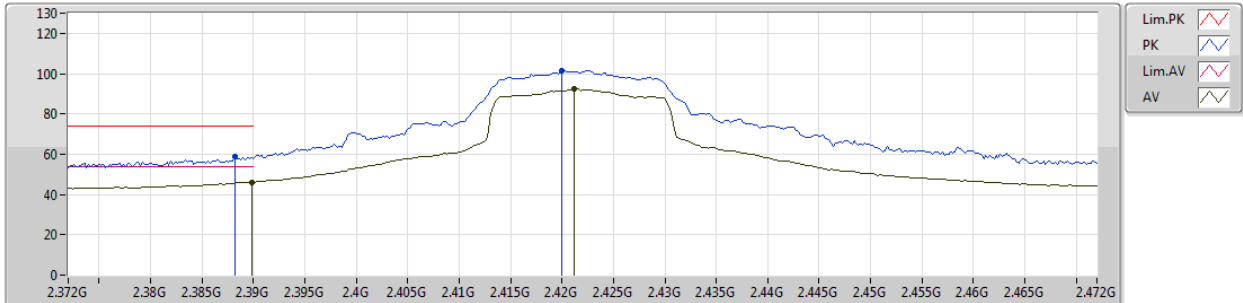


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.72	54.00	-0.28	30.77	3	Horizontal	238	2.73	-
AV	2.4162G	99.54	Inf	-Inf	30.87	3	Horizontal	238	2.73	-
PK	2.3894G	70.67	74.00	-3.33	30.77	3	Horizontal	238	2.73	-
PK	2.4174G	108.66	Inf	-Inf	30.87	3	Horizontal	238	2.73	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2422MHz_TX

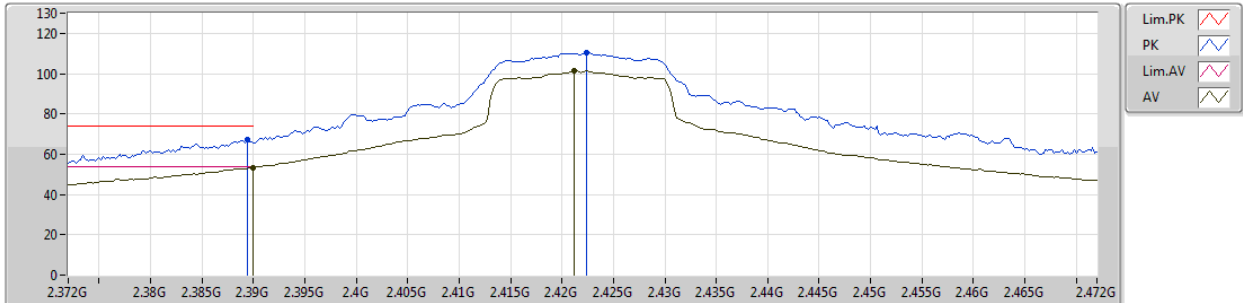


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.3898G	46.14	54.00	-7.86	30.77	3	Vertical	358	2.42	-								
AV	2.4212G	92.58	Inf	-Inf	30.89	3	Vertical	358	2.42	-								
PK	2.3882G	58.69	74.00	-15.31	30.77	3	Vertical	358	2.42	-								
PK	2.42G	101.37	Inf	-Inf	30.89	3	Vertical	358	2.42	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2422MHz_TX

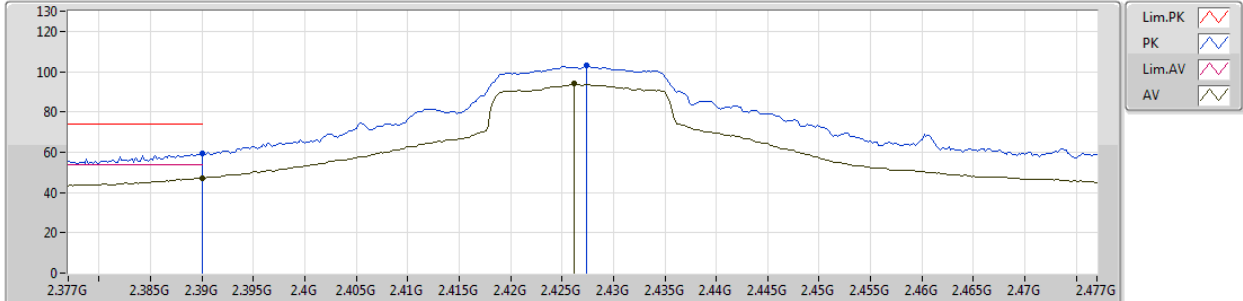


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.45	54.00	-0.55	30.77	3	Horizontal	222	2.74	-
AV	2.4212G	101.46	Inf	-Inf	30.89	3	Horizontal	222	2.74	-
PK	2.3894G	67.06	74.00	-6.94	30.77	3	Horizontal	222	2.74	-
PK	2.4224G	110.45	Inf	-Inf	30.89	3	Horizontal	222	2.74	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2427MHz_TX

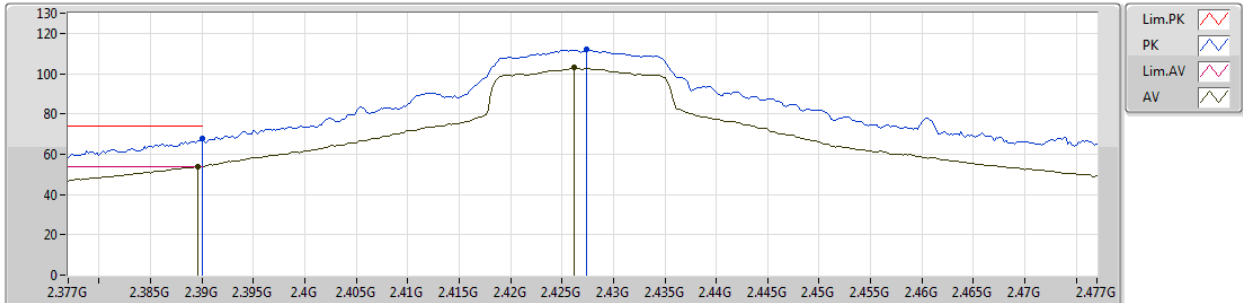


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	47.21	54.00	-6.79	30.77	3	Vertical	350	2.71	-
AV	2.4262G	93.87	Inf	-Inf	30.90	3	Vertical	350	2.71	-
PK	2.39G	59.59	74.00	-14.41	30.77	3	Vertical	350	2.71	-
PK	2.4274G	102.88	Inf	-Inf	30.91	3	Vertical	350	2.71	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2427MHz_TX

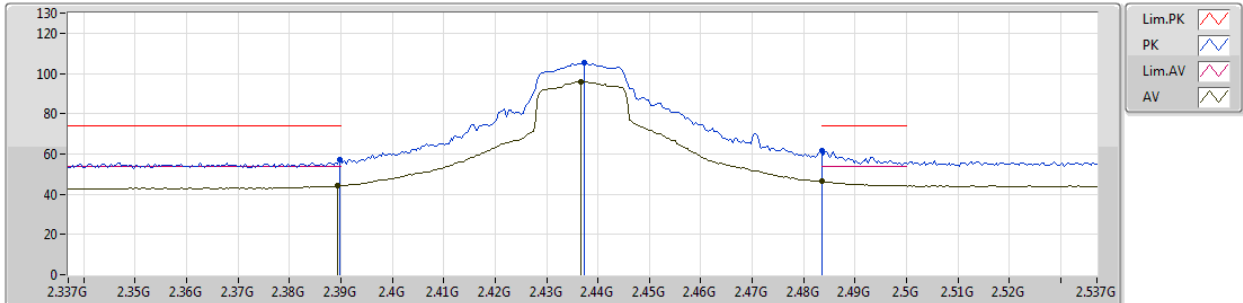


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	53.83	54.00	-0.17	30.77	3	Horizontal	220	2.74	-
AV	2.4262G	102.94	Inf	-Inf	30.90	3	Horizontal	220	2.74	-
PK	2.39G	67.67	74.00	-6.33	30.77	3	Horizontal	220	2.74	-
PK	2.4274G	111.85	Inf	-Inf	30.91	3	Horizontal	220	2.74	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2437MHz_TX

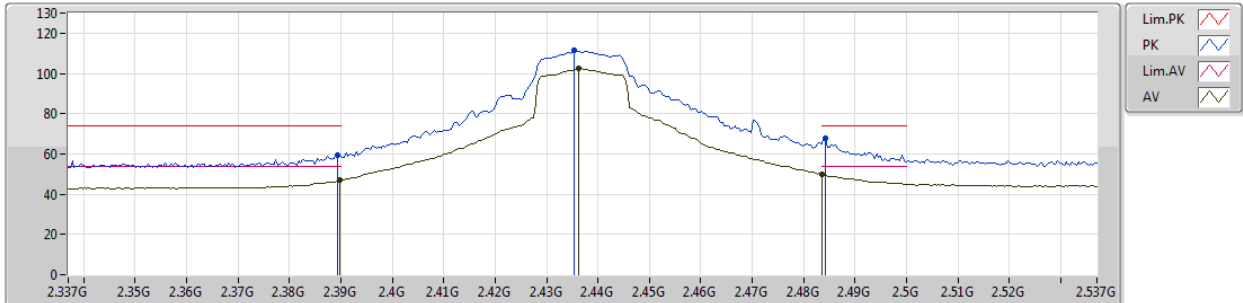


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3894G	44.14	54.00	-9.86	30.77	3	Vertical	141	2.99	-
AV	2.4366G	96.03	Inf	-Inf	30.94	3	Vertical	141	2.99	-
AV	2.4835G	46.29	54.00	-7.71	31.11	3	Vertical	141	2.99	-
PK	2.3898G	57.01	74.00	-16.99	30.77	3	Vertical	141	2.99	-
PK	2.4374G	105.20	Inf	-Inf	30.94	3	Vertical	141	2.99	-
PK	2.4835G	61.71	74.00	-12.29	31.11	3	Vertical	141	2.99	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2437MHz_TX

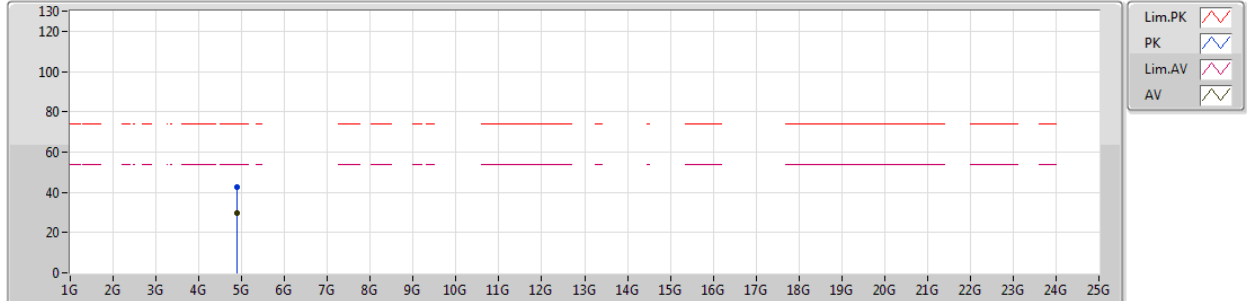


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	46.84	54.00	-7.16	30.77	3	Horizontal	235	2.66	-
AV	2.4362G	102.68	Inf	-Inf	30.94	3	Horizontal	235	2.66	-
AV	2.4835G	50.12	54.00	-3.88	31.11	3	Horizontal	235	2.66	-
PK	2.3894G	59.46	74.00	-14.54	30.77	3	Horizontal	235	2.66	-
PK	2.4354G	111.25	Inf	-Inf	30.94	3	Horizontal	235	2.66	-
PK	2.4842G	67.59	74.00	-6.41	31.12	3	Horizontal	235	2.66	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2437MHz_TX

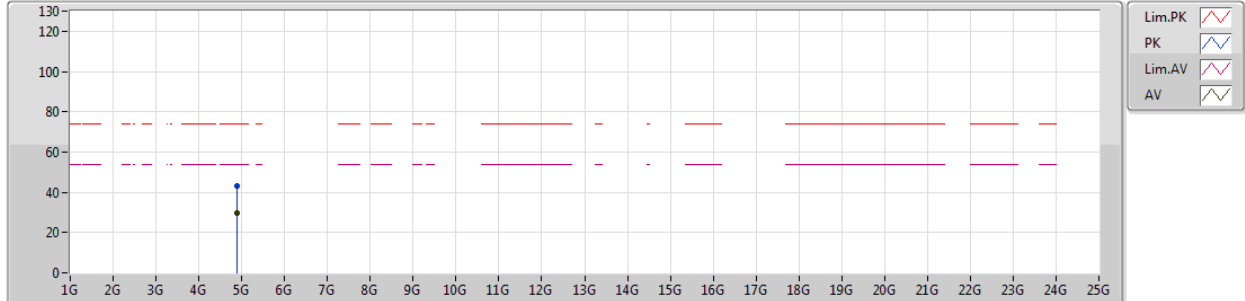


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.889G	29.84	54.00	-24.16	2.29	3	Vertical	2	1.50	-								
PK	4.8881G	42.45	74.00	-31.55	2.29	3	Vertical	2	1.50	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2437MHz_TX

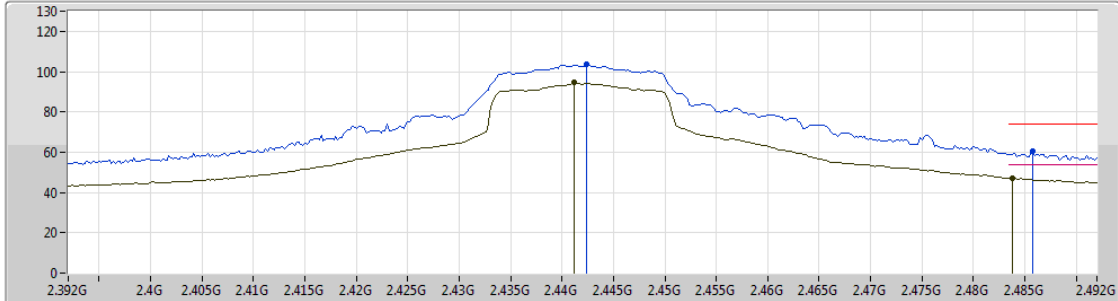


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88852G	29.48	54.00	-24.52	2.29	3	Horizontal	241	2.01	-
PK	4.88852G	42.87	74.00	-31.13	2.29	3	Horizontal	241	2.01	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2442MHz_TX



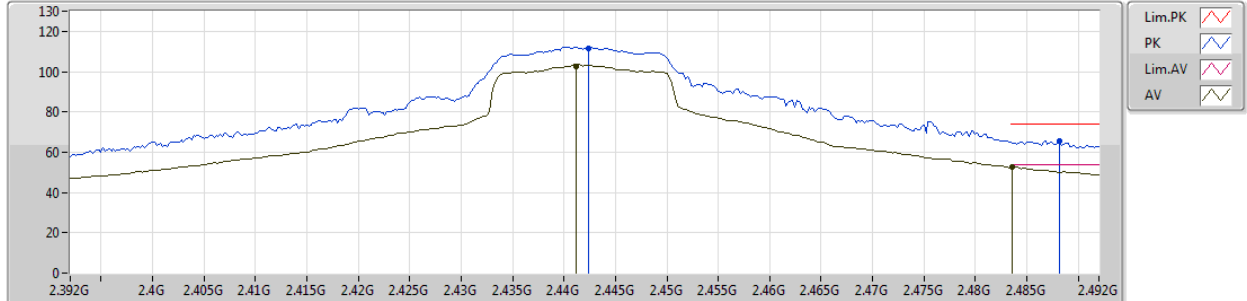
Lim.PK	☒
PK	☒
Lim.AV	☒
AV	☒

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4412G	94.43	Inf	-Inf	30.96	3	Vertical	329	1.81	-
AV	2.4838G	47.24	54.00	-6.76	31.11	3	Vertical	329	1.81	-
PK	2.4424G	103.39	Inf	-Inf	30.96	3	Vertical	329	1.81	-
PK	2.4858G	60.76	74.00	-13.24	31.12	3	Vertical	329	1.81	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2442MHz_TX

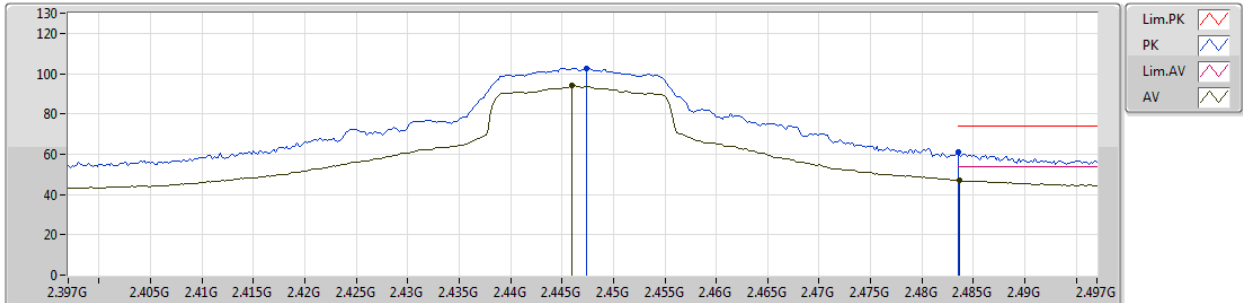


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.4412G	102.58	Inf	-Inf	30.96	3	Horizontal	237	2.42	-								
AV	2.4836G	52.74	54.00	-1.26	31.11	3	Horizontal	237	2.42	-								
PK	2.4424G	111.33	Inf	-Inf	30.96	3	Horizontal	237	2.42	-								
PK	2.4882G	65.52	74.00	-8.48	31.13	3	Horizontal	237	2.42	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2447MHz_TX

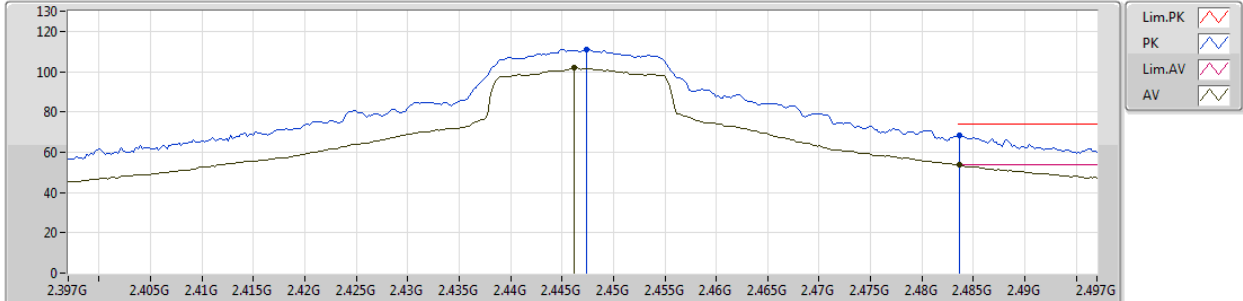


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.446G	93.87	Inf	-Inf	30.98	3	Vertical	357	2.99	-
AV	2.4836G	46.90	54.00	-7.10	31.11	3	Vertical	357	2.99	-
PK	2.4474G	102.81	Inf	-Inf	30.98	3	Vertical	357	2.99	-
PK	2.4835G	61.35	74.00	-12.65	31.11	3	Vertical	357	2.99	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2447MHz_TX

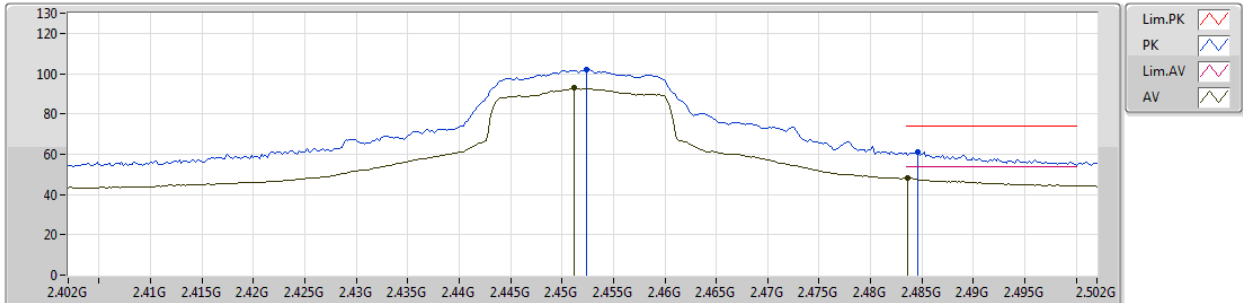


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4462G	102.00	Inf	-Inf	30.98	3	Horizontal	228	2.70	-
AV	2.4836G	53.61	54.00	-0.39	31.11	3	Horizontal	228	2.70	-
PK	2.4474G	111.00	Inf	-Inf	30.98	3	Horizontal	228	2.70	-
PK	2.4836G	68.51	74.00	-5.49	31.11	3	Horizontal	228	2.70	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2452MHz_TX

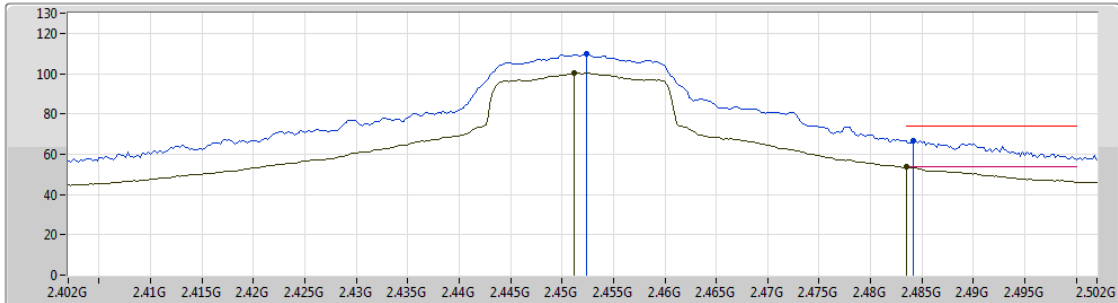


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4512G	92.91	Inf	-Inf	30.99	3	Vertical	338	2.65	-
AV	2.4836G	48.03	54.00	-5.97	31.11	3	Vertical	338	2.65	-
PK	2.4524G	102.05	Inf	-Inf	31.00	3	Vertical	338	2.65	-
PK	2.4846G	61.25	74.00	-12.75	31.12	3	Vertical	338	2.65	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2452MHz_TX



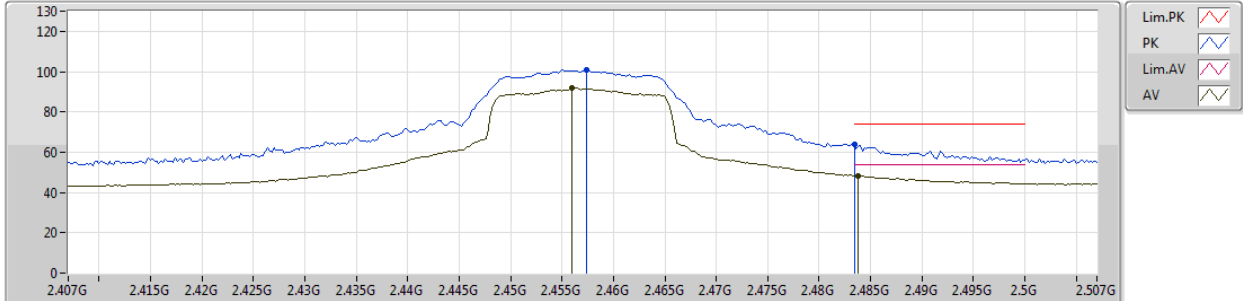
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Lim.AV	
AV	

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4512G	100.55	Inf	-Inf	30.99	3	Horizontal	219	2.45	-
AV	2.4835G	53.59	54.00	-0.41	31.11	3	Horizontal	219	2.45	-
PK	2.4524G	109.62	Inf	-Inf	31.00	3	Horizontal	219	2.45	-
PK	2.4842G	66.72	74.00	-7.28	31.12	3	Horizontal	219	2.45	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2457MHz_TX

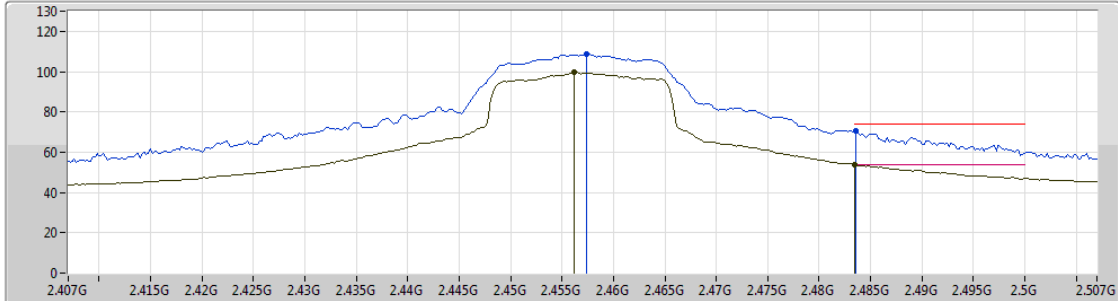


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.456G	91.87	Inf	-Inf	31.01	3	Vertical	127	2.64	-
AV	2.4838G	48.27	54.00	-5.73	31.11	3	Vertical	127	2.64	-
PK	2.4574G	100.94	Inf	-Inf	31.02	3	Vertical	127	2.64	-
PK	2.4835G	63.65	74.00	-10.35	31.11	3	Vertical	127	2.64	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2457MHz_TX



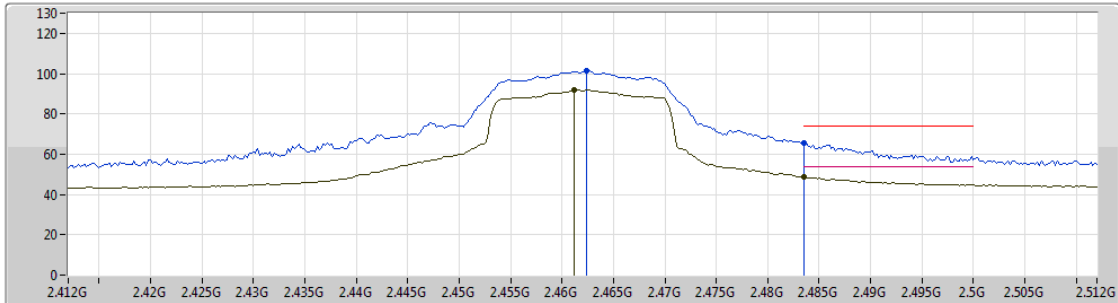
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AV	

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.4562G	99.64	Inf	-Inf	31.01	3	Horizontal	233	2.36	-								
AV	2.4835G	53.83	54.00	-0.17	31.11	3	Horizontal	233	2.36	-								
PK	2.4574G	108.77	Inf	-Inf	31.02	3	Horizontal	233	2.36	-								
PK	2.4836G	70.40	74.00	-3.60	31.11	3	Horizontal	233	2.36	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2462MHz_TX



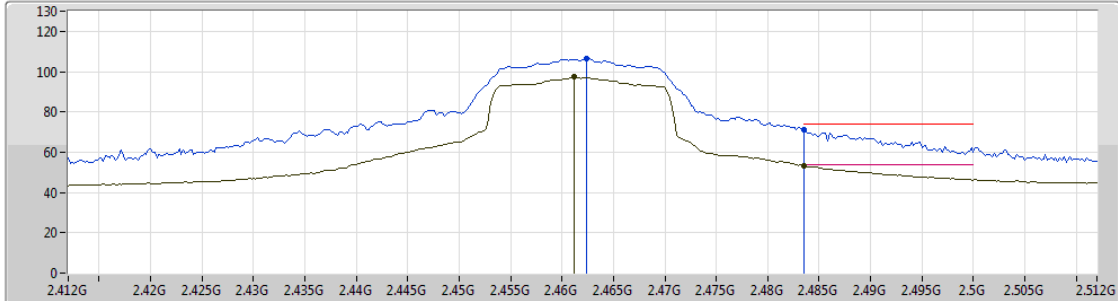
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Lim.AV	
AV	

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.4612G	92.12	Inf	-Inf	31.03	3	Vertical	145	2.67	-								
AV	2.4835G	48.85	54.00	-5.15	31.11	3	Vertical	145	2.67	-								
PK	2.4624G	101.33	Inf	-Inf	31.03	3	Vertical	145	2.67	-								
PK	2.4835G	65.60	74.00	-8.40	31.11	3	Vertical	145	2.67	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2462MHz_TX

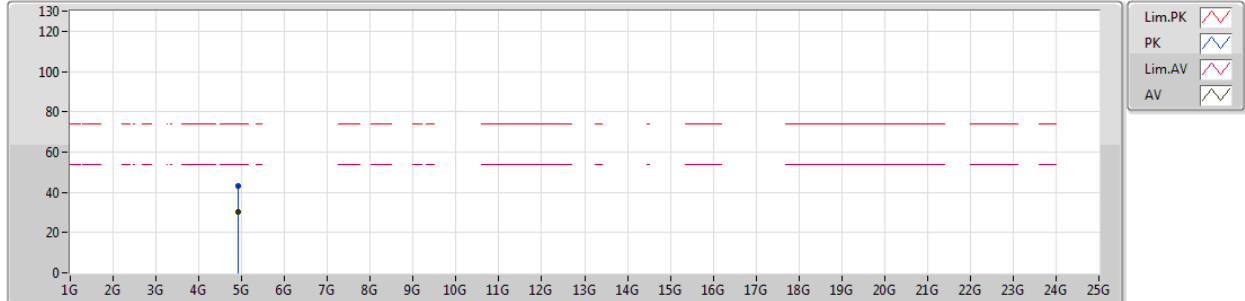


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4612G	97.42	Inf	-Inf	31.03	3	Horizontal	255	1.01	-
AV	2.4835G	53.43	54.00	-0.57	31.11	3	Horizontal	255	1.01	-
PK	2.4624G	106.49	Inf	-Inf	31.03	3	Horizontal	255	1.01	-
PK	2.4835G	71.41	74.00	-2.59	31.11	3	Horizontal	255	1.01	-

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2462MHz_TX

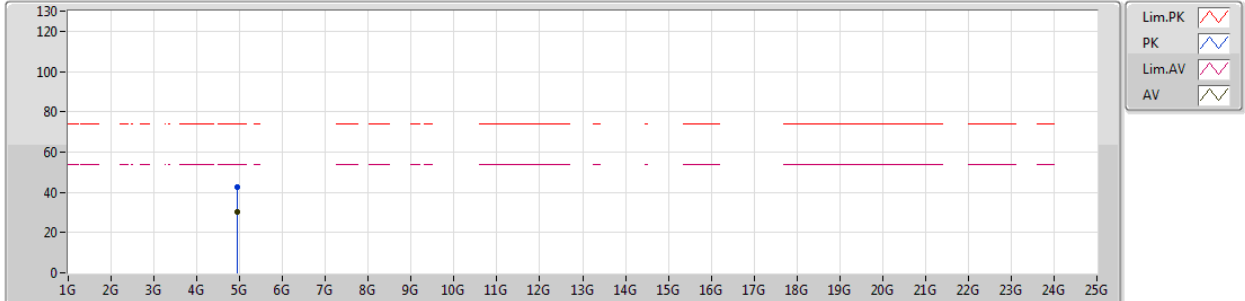


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.92772G	30.02	54.00	-23.98	2.39	3	Vertical	40	2.09	-								
PK	4.92682G	43.09	74.00	-30.91	2.39	3	Vertical	40	2.09	-								

802.11g_Nss1,(6Mbps)_1TX

05/11/2018

2462MHz_TX

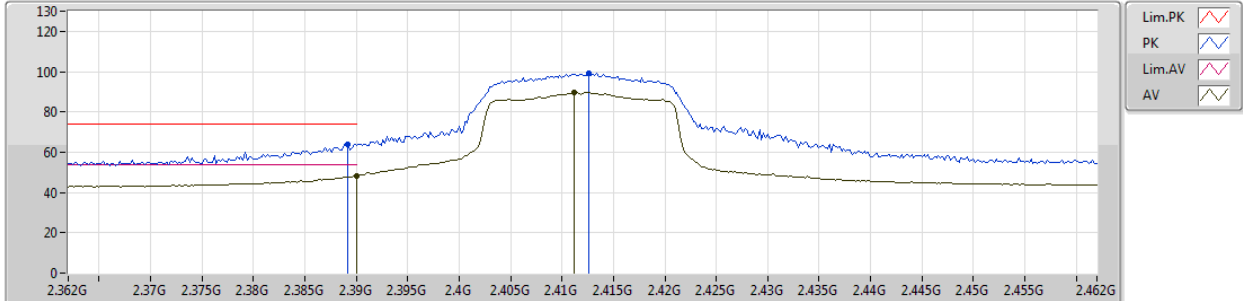


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
AV	4.93402G	30.29	54.00	-23.71	2.40	3	Horizontal	355	1.57	-							
PK	4.93504G	42.78	74.00	-31.22	2.41	3	Horizontal	355	1.57	-							

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2412MHz_TX

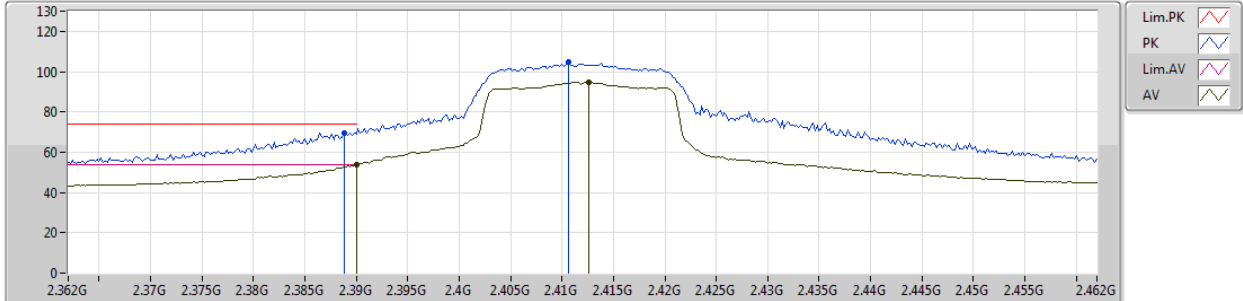


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	48.46	54.00	-5.54	30.77	3	Vertical	8	2.78	-
AV	2.4112G	89.68	Inf	-Inf	30.85	3	Vertical	8	2.78	-
PK	2.3892G	63.92	74.00	-10.08	30.77	3	Vertical	8	2.78	-
PK	2.4126G	99.18	Inf	-Inf	30.86	3	Vertical	8	2.78	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2412MHz_TX

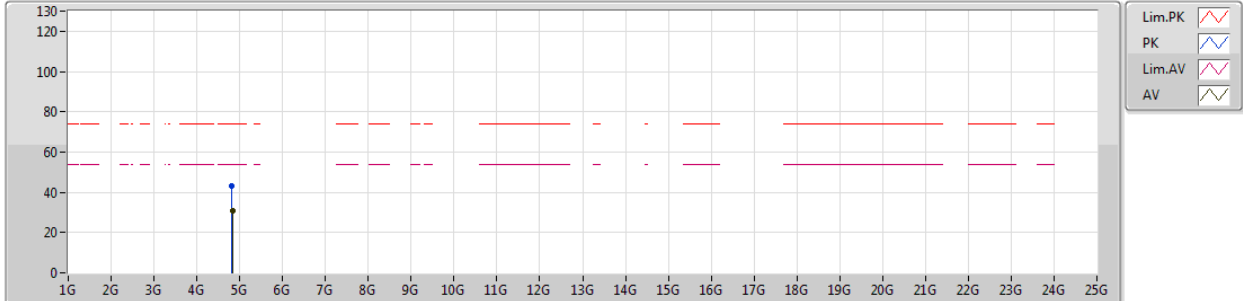


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.83	54.00	-0.17	30.77	3	Horizontal	250	1.50	-
AV	2.4126G	94.87	Inf	-Inf	30.86	3	Horizontal	250	1.50	-
PK	2.3888G	69.73	74.00	-4.27	30.77	3	Horizontal	250	1.50	-
PK	2.4106G	104.62	Inf	-Inf	30.85	3	Horizontal	250	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2412MHz_TX

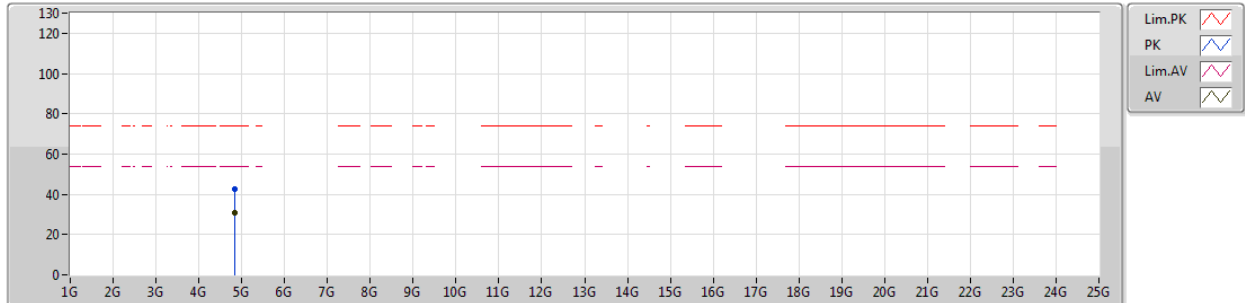


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.83036G	30.94	54.00	-23.06	2.15	3	Vertical	0	2.28	-								
PK	4.82064G	43.23	74.00	-30.77	2.12	3	Vertical	0	2.28	-								

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2412MHz_TX

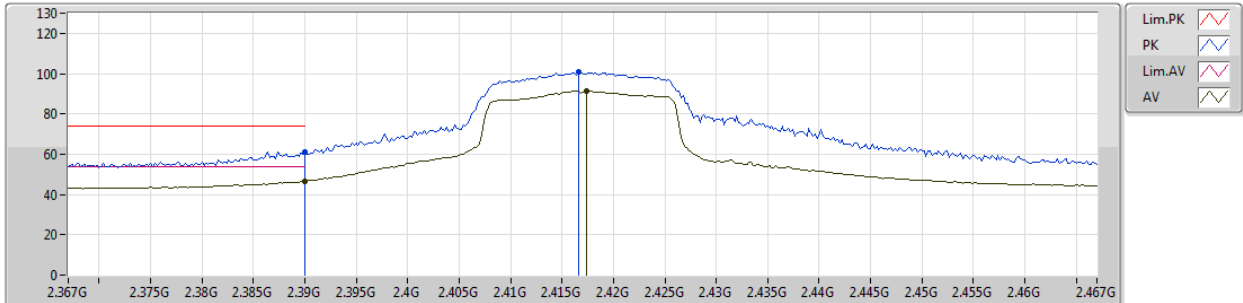


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.82976G	31.02	54.00	-22.98	2.15	3	Horizontal	236	1.01	-
PK	4.8369G	42.83	74.00	-31.17	2.16	3	Horizontal	236	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2417MHz_TX

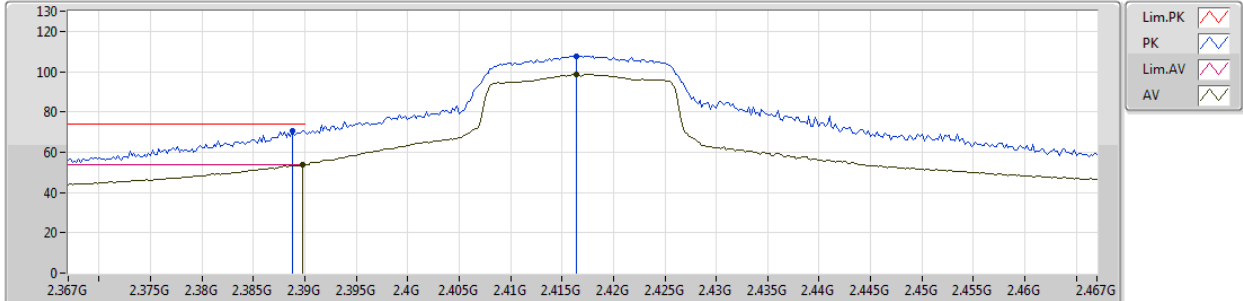


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	46.76	54.00	-7.24	30.77	3	Vertical	337	2.97	-
AV	2.4174G	91.57	Inf	-Inf	30.87	3	Vertical	337	2.97	-
PK	2.39G	60.95	74.00	-13.05	30.77	3	Vertical	337	2.97	-
PK	2.4166G	100.98	Inf	-Inf	30.87	3	Vertical	337	2.97	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2417MHz_TX

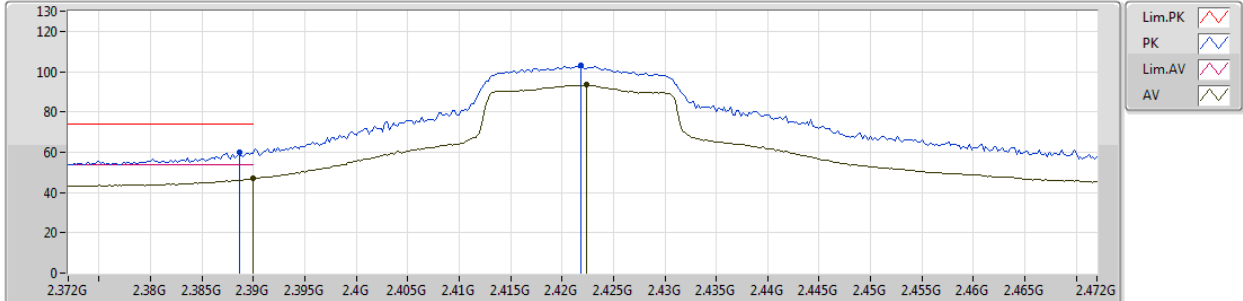


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	53.71	54.00	-0.29	30.77	3	Horizontal	225	2.47	-
AV	2.4164G	98.78	Inf	-Inf	30.87	3	Horizontal	225	2.47	-
PK	2.3888G	70.52	74.00	-3.48	30.77	3	Horizontal	225	2.47	-
PK	2.4164G	107.77	Inf	-Inf	30.87	3	Horizontal	225	2.47	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2422MHz_TX

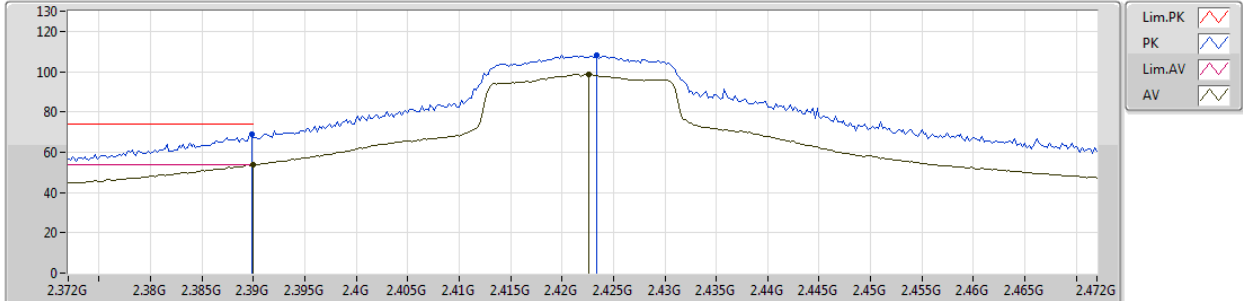


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	46.83	54.00	-7.17	30.77	3	Vertical	328	2.32	-
AV	2.4224G	93.55	Inf	-Inf	30.89	3	Vertical	328	2.32	-
PK	2.3886G	59.75	74.00	-14.25	30.77	3	Vertical	328	2.32	-
PK	2.4218G	102.84	Inf	-Inf	30.89	3	Vertical	328	2.32	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2422MHz_TX

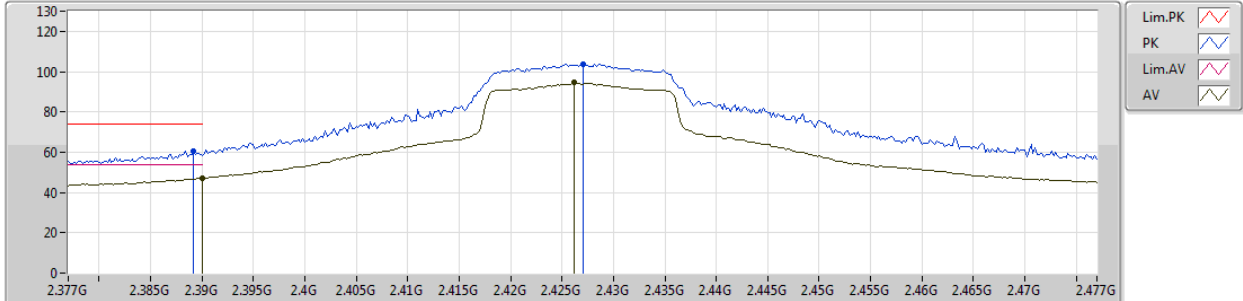


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.39G	53.85	54.00	-0.15	30.77	3	Horizontal	306	1.47	-								
AV	2.4226G	98.77	Inf	-Inf	30.89	3	Horizontal	306	1.47	-								
PK	2.3898G	69.13	74.00	-4.87	30.77	3	Horizontal	306	1.47	-								
PK	2.4234G	108.13	Inf	-Inf	30.90	3	Horizontal	306	1.47	-								

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2427MHz_TX

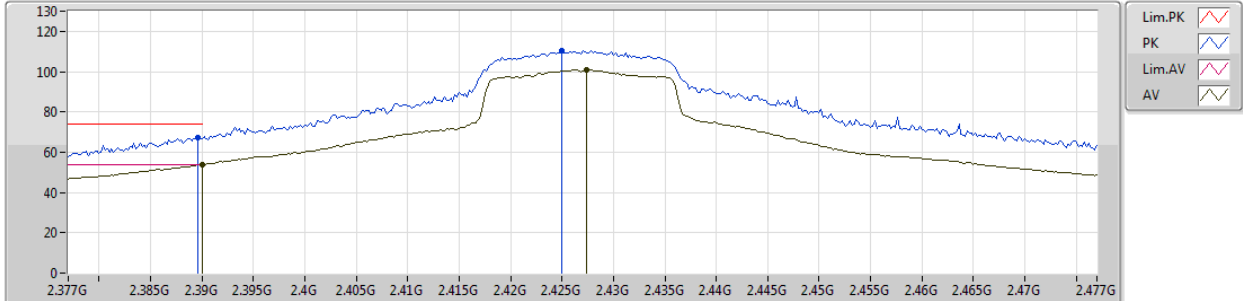


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	47.00	54.00	-7.00	30.77	3	Vertical	313	2.35	-
AV	2.4262G	94.45	Inf	-Inf	30.90	3	Vertical	313	2.35	-
PK	2.3892G	60.58	74.00	-13.42	30.77	3	Vertical	313	2.35	-
PK	2.427G	103.80	Inf	-Inf	30.91	3	Vertical	313	2.35	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2427MHz_TX

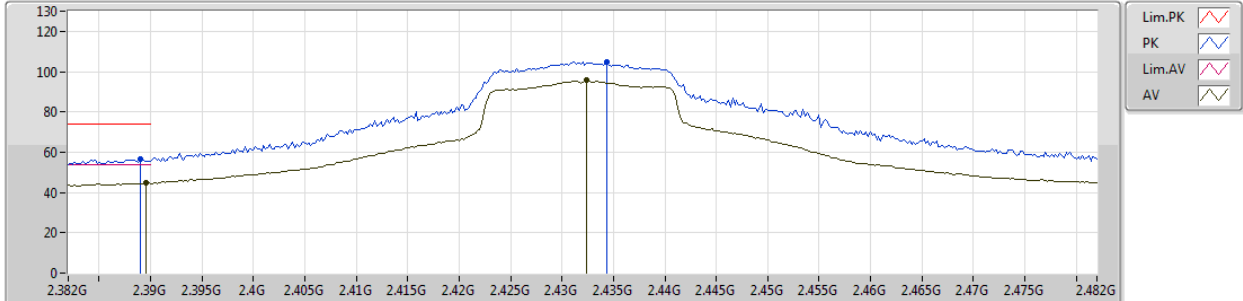


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.39G	53.82	54.00	-0.18	30.77	3	Horizontal	224	2.51	-								
AV	2.4274G	101.06	Inf	-Inf	30.91	3	Horizontal	224	2.51	-								
PK	2.3896G	67.22	74.00	-6.78	30.77	3	Horizontal	224	2.51	-								
PK	2.425G	110.60	Inf	-Inf	30.90	3	Horizontal	224	2.51	-								

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2432MHz_TX

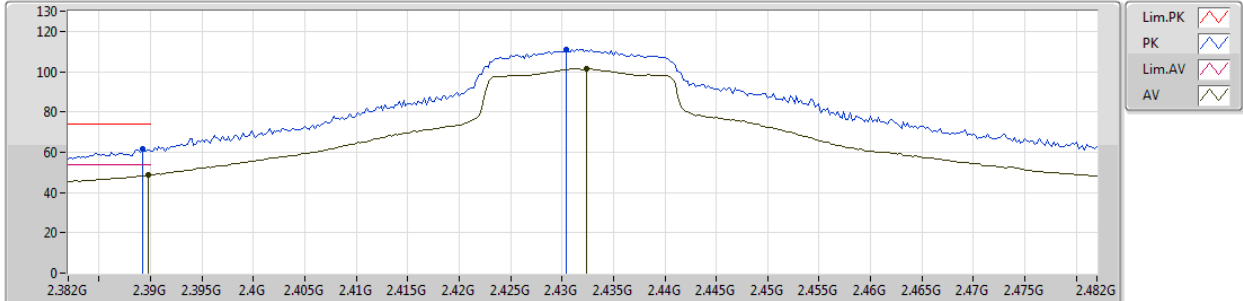


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	44.75	54.00	-9.25	30.77	3	Vertical	327	2.11	-
AV	2.4324G	95.69	Inf	-Inf	30.93	3	Vertical	327	2.11	-
PK	2.389G	56.44	74.00	-17.56	30.77	3	Vertical	327	2.11	-
PK	2.4344G	104.78	Inf	-Inf	30.94	3	Vertical	327	2.11	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2432MHz_TX

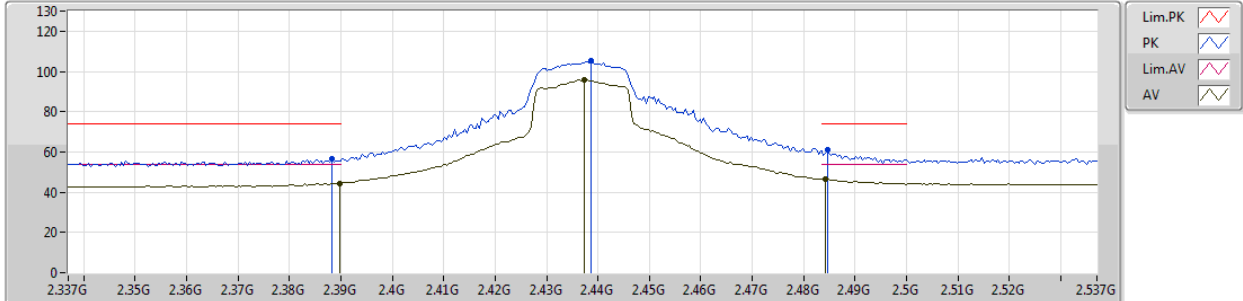


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	48.70	54.00	-5.30	30.77	3	Horizontal	219	2.74	-
AV	2.4324G	101.66	Inf	-Inf	30.93	3	Horizontal	219	2.74	-
PK	2.3892G	61.41	74.00	-12.59	30.77	3	Horizontal	219	2.74	-
PK	2.4304G	111.14	Inf	-Inf	30.92	3	Horizontal	219	2.74	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

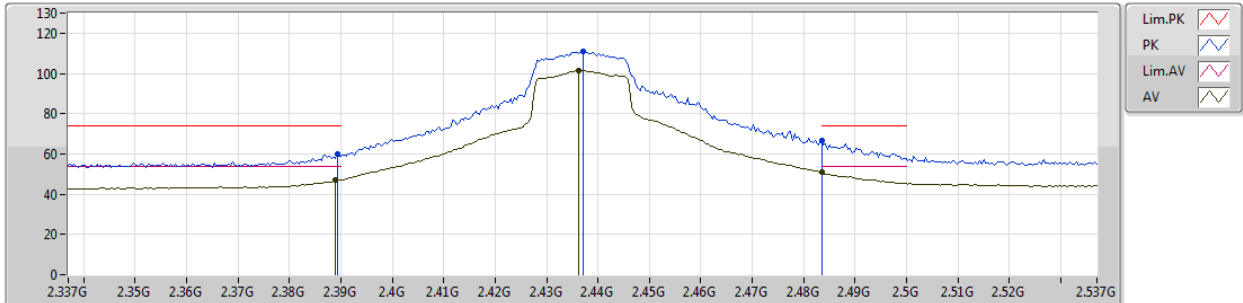


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	44.31	54.00	-9.69	30.77	3	Vertical	141	2.97	-
AV	2.4374G	95.88	Inf	-Inf	30.94	3	Vertical	141	2.97	-
AV	2.4842G	46.41	54.00	-7.59	31.12	3	Vertical	141	2.97	-
PK	2.3882G	56.43	74.00	-17.57	30.77	3	Vertical	141	2.97	-
PK	2.4386G	105.41	Inf	-Inf	30.95	3	Vertical	141	2.97	-
PK	2.4846G	61.17	74.00	-12.83	31.12	3	Vertical	141	2.97	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

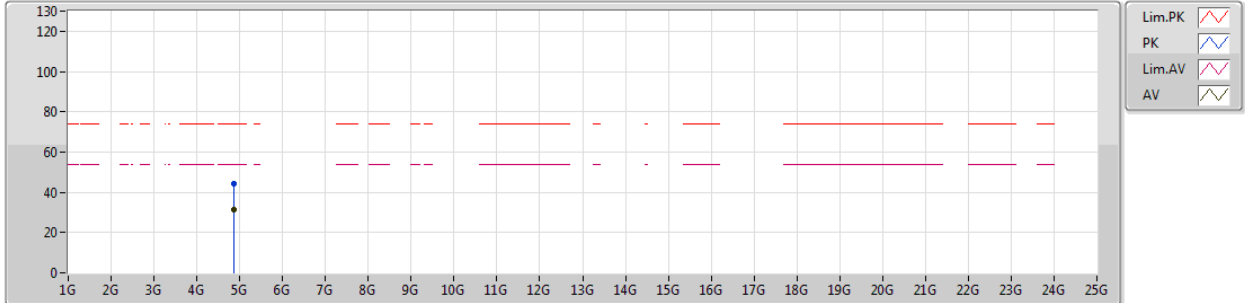


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	46.87	54.00	-7.13	30.77	3	Horizontal	245	2.66	-
AV	2.4362G	101.63	Inf	-Inf	30.94	3	Horizontal	245	2.66	-
AV	2.4835G	50.93	54.00	-3.07	31.11	3	Horizontal	245	2.66	-
PK	2.3894G	59.73	74.00	-14.27	30.77	3	Horizontal	245	2.66	-
PK	2.437G	110.82	Inf	-Inf	30.94	3	Horizontal	245	2.66	-
PK	2.4835G	66.78	74.00	-7.22	31.11	3	Horizontal	245	2.66	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

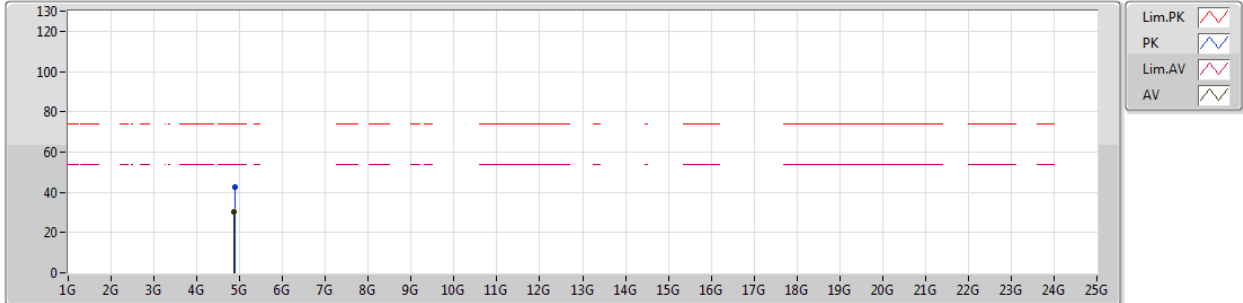


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87394G	31.35	54.00	-22.65	2.25	3	Vertical	131	2.41	-
PK	4.87634G	44.51	74.00	-29.49	2.26	3	Vertical	131	2.41	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

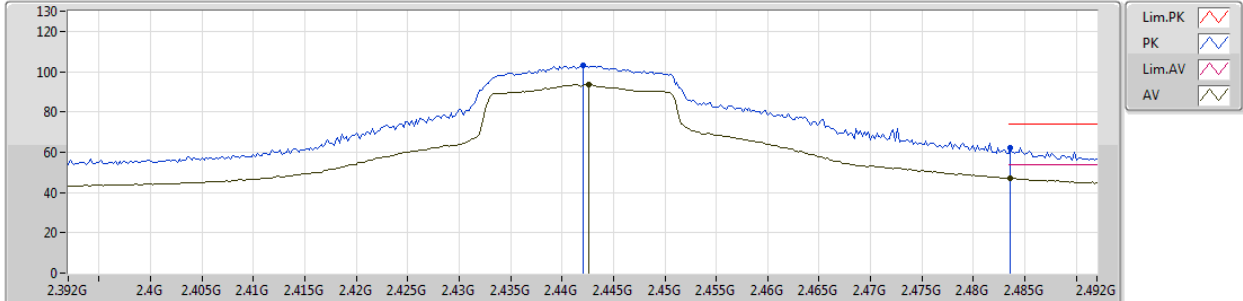


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8746G	30.49	54.00	-23.51	2.25	3	Horizontal	180	1.50	-
PK	4.8782G	42.75	74.00	-31.25	2.27	3	Horizontal	180	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2442MHz_TX

06/11/2018

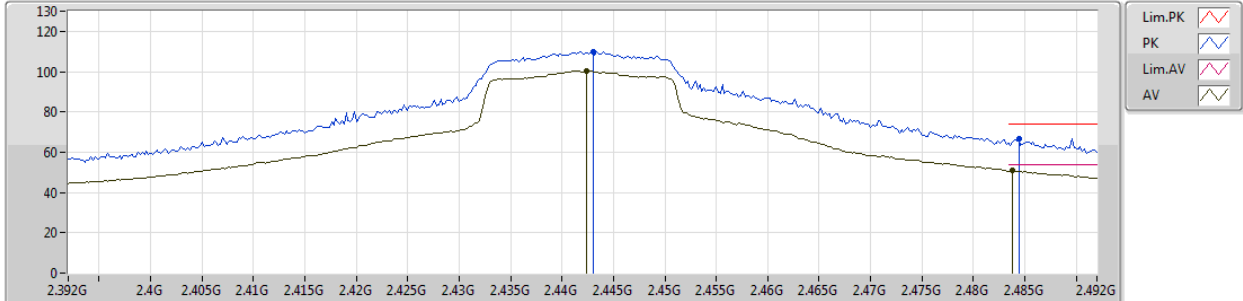


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4426G	93.63	Inf	-Inf	30.96	3	Vertical	315	1.67	-
AV	2.4836G	46.99	54.00	-7.01	31.11	3	Vertical	315	1.67	-
PK	2.442G	103.12	Inf	-Inf	30.96	3	Vertical	315	1.67	-
PK	2.4836G	62.38	74.00	-11.62	31.11	3	Vertical	315	1.67	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2442MHz_TX

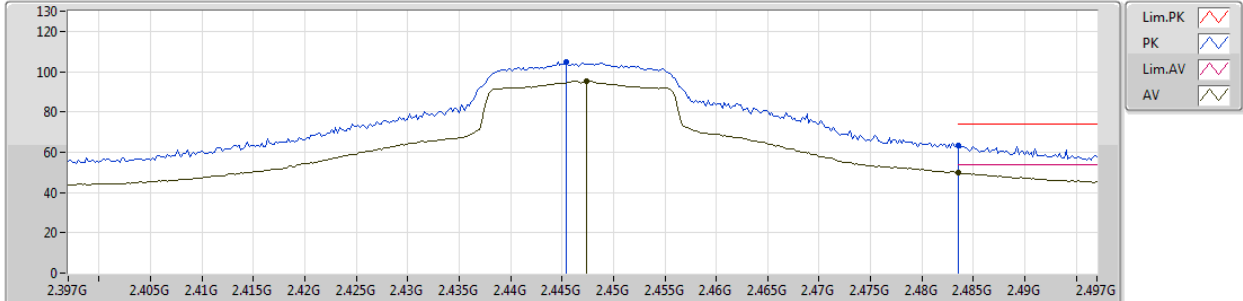


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4424G	100.55	Inf	-Inf	30.96	3	Horizontal	297	1.86	-
AV	2.4838G	50.87	54.00	-3.13	31.11	3	Horizontal	297	1.86	-
PK	2.443G	109.96	Inf	-Inf	30.96	3	Horizontal	297	1.86	-
PK	2.4844G	66.72	74.00	-7.28	31.12	3	Horizontal	297	1.86	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2447MHz_TX

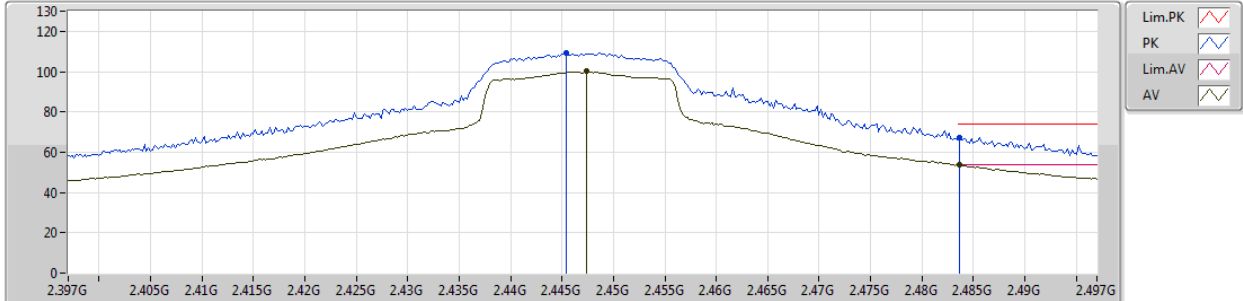


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4474G	95.49	Inf	-Inf	30.98	3	Vertical	320	2.13	-
AV	2.4835G	49.69	54.00	-4.31	31.11	3	Vertical	320	2.13	-
PK	2.4454G	104.52	Inf	-Inf	30.98	3	Vertical	320	2.13	-
PK	2.4835G	63.17	74.00	-10.83	31.11	3	Vertical	320	2.13	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2447MHz_TX

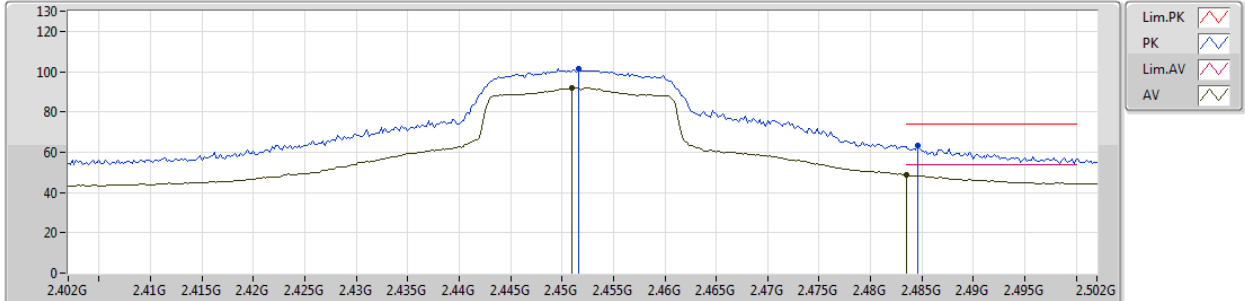


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4474G	100.03	Inf	-Inf	30.98	3	Horizontal	302	1.82	-
AV	2.4836G	53.58	54.00	-0.42	31.11	3	Horizontal	302	1.82	-
PK	2.4454G	109.43	Inf	-Inf	30.98	3	Horizontal	302	1.82	-
PK	2.4836G	67.49	74.00	-6.51	31.11	3	Horizontal	302	1.82	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2452MHz_TX

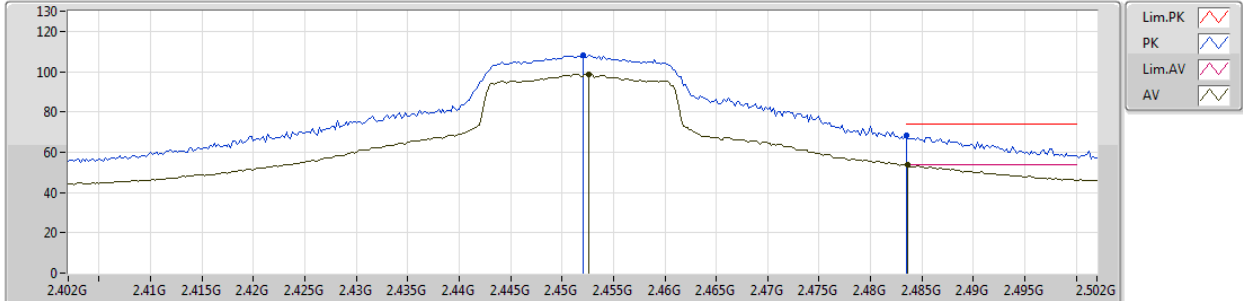


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.451G	92.00	Inf	-Inf	30.99	3	Vertical	321	1.68	-
AV	2.4835G	48.51	54.00	-5.49	31.11	3	Vertical	321	1.68	-
PK	2.4516G	101.23	Inf	-Inf	30.99	3	Vertical	321	1.68	-
PK	2.4846G	63.13	74.00	-10.87	31.12	3	Vertical	321	1.68	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2452MHz_TX

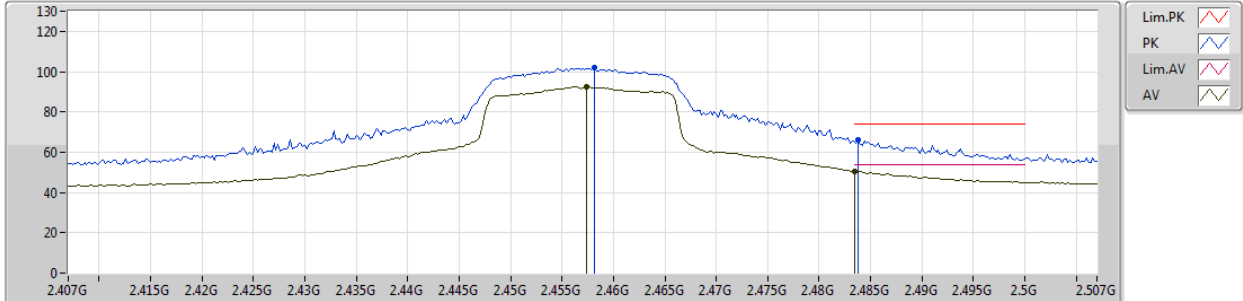


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4526G	98.81	Inf	-Inf	31.00	3	Horizontal	302	1.84	-
AV	2.4836G	53.88	54.00	-0.12	31.11	3	Horizontal	302	1.84	-
PK	2.452G	108.06	Inf	-Inf	31.00	3	Horizontal	302	1.84	-
PK	2.4835G	68.39	74.00	-5.61	31.11	3	Horizontal	302	1.84	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2457MHz_TX

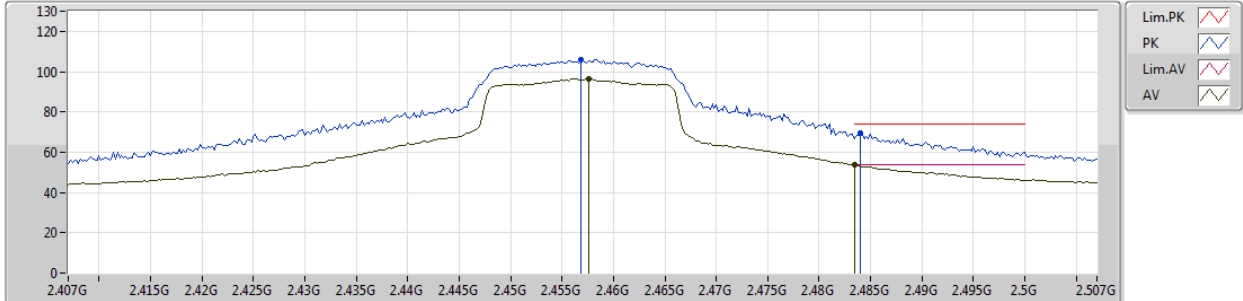


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4574G	92.59	Inf	-Inf	31.02	3	Vertical	323	2.07	-
AV	2.4835G	50.47	54.00	-3.53	31.11	3	Vertical	323	2.07	-
PK	2.4582G	102.06	Inf	-Inf	31.02	3	Vertical	323	2.07	-
PK	2.4838G	66.13	74.00	-7.87	31.11	3	Vertical	323	2.07	-

802.11n HT20_Nss1,(MCS0)_1TX

06/11/2018

2457MHz_TX

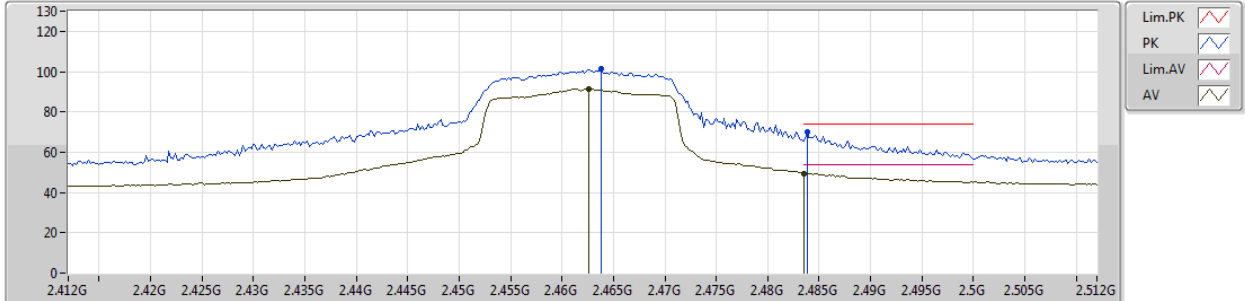


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4576G	96.42	Inf	-Inf	31.02	3	Horizontal	303	1.50	-
AV	2.4835G	53.75	54.00	-0.25	31.11	3	Horizontal	303	1.50	-
PK	2.4568G	106.03	Inf	-Inf	31.02	3	Horizontal	303	1.50	-
PK	2.484G	69.31	74.00	-4.69	31.12	3	Horizontal	303	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2462MHz_TX

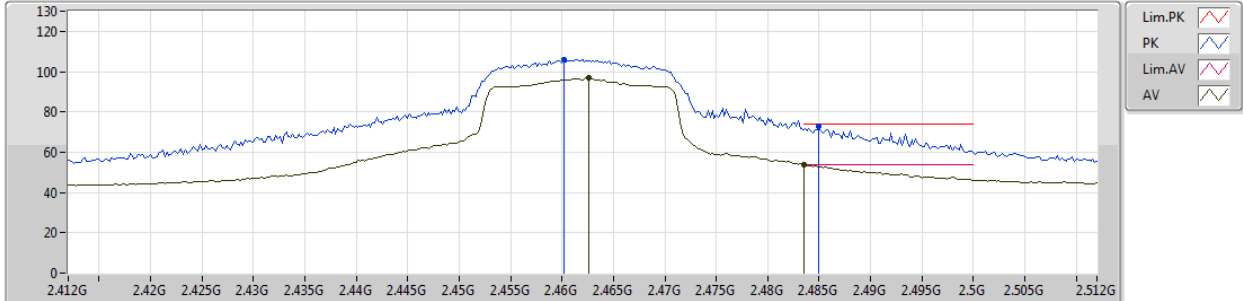


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4626G	91.41	Inf	-Inf	31.04	3	Vertical	139	2.93	-
AV	2.4835G	49.45	54.00	-4.55	31.11	3	Vertical	139	2.93	-
PK	2.4638G	101.48	Inf	-Inf	31.04	3	Vertical	139	2.93	-
PK	2.4838G	70.04	74.00	-3.96	31.11	3	Vertical	139	2.93	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2462MHz_TX

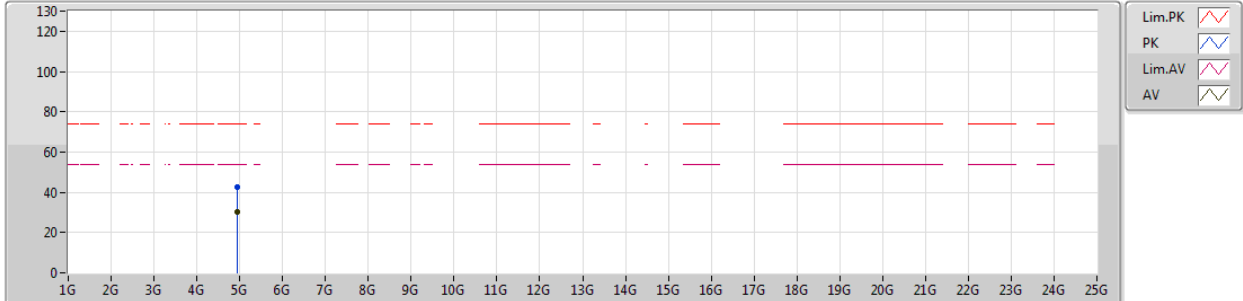


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4626G	96.74	Inf	-Inf	31.04	3	Horizontal	253	1.01	-
AV	2.4835G	53.80	54.00	-0.20	31.11	3	Horizontal	253	1.01	-
PK	2.4602G	105.98	Inf	-Inf	31.03	3	Horizontal	253	1.01	-
PK	2.485G	72.90	74.00	-1.10	31.12	3	Horizontal	253	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2462MHz_TX

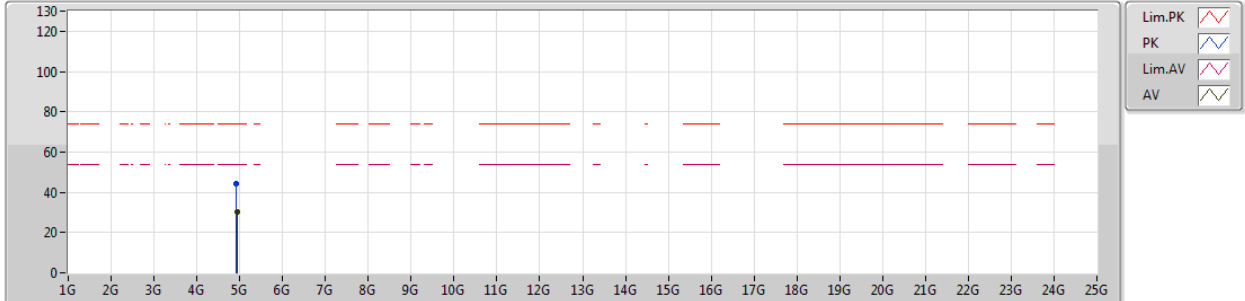


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.93528G	30.20	54.00	-23.80	2.41	3	Vertical	0	1.50	-
PK	4.93642G	42.47	74.00	-31.53	2.42	3	Vertical	0	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

05/11/2018

2462MHz_TX

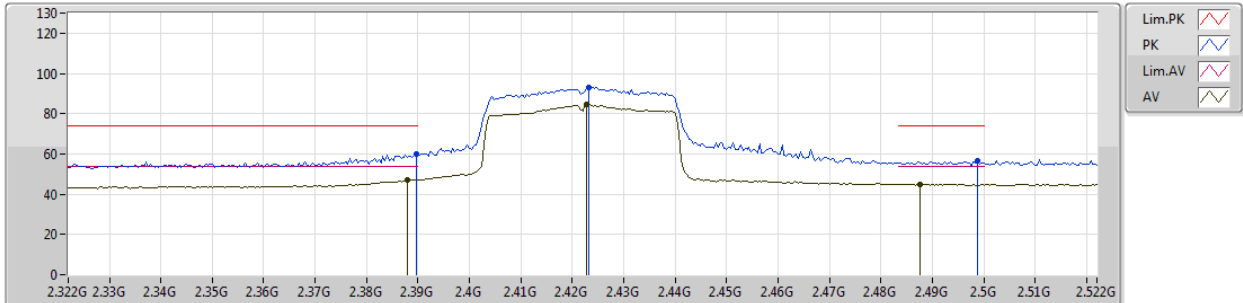


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
AV	4.93666G	29.98	54.00	-24.02	2.42	3	Horizontal	150	1.72	-							
PK	4.91998G	44.39	74.00	-29.61	2.36	3	Horizontal	150	1.72	-							

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2422MHz_TX

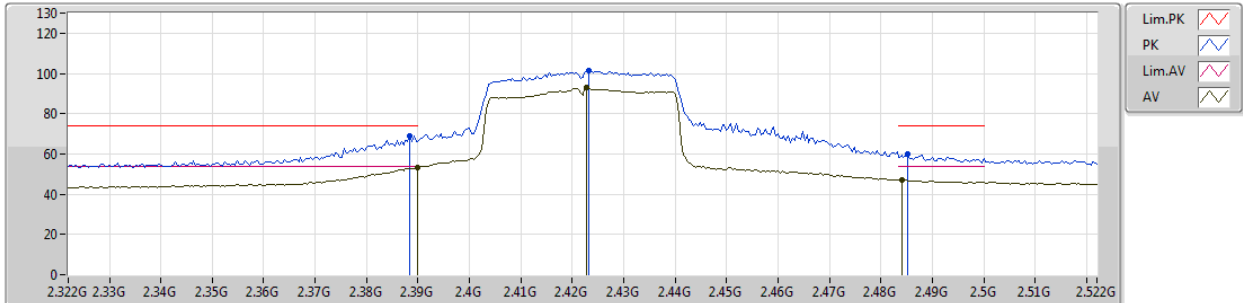


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.388G	47.04	54.00	-6.96	30.77	3	Vertical	203	2.99	-
AV	2.4228G	84.76	Inf	-Inf	30.89	3	Vertical	203	2.99	-
AV	2.4876G	44.98	54.00	-9.02	31.13	3	Vertical	203	2.99	-
PK	2.3896G	59.69	74.00	-14.31	30.77	3	Vertical	203	2.99	-
PK	2.4232G	93.25	Inf	-Inf	30.89	3	Vertical	203	2.99	-
PK	2.4988G	56.46	74.00	-17.54	31.17	3	Vertical	203	2.99	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2422MHz_TX

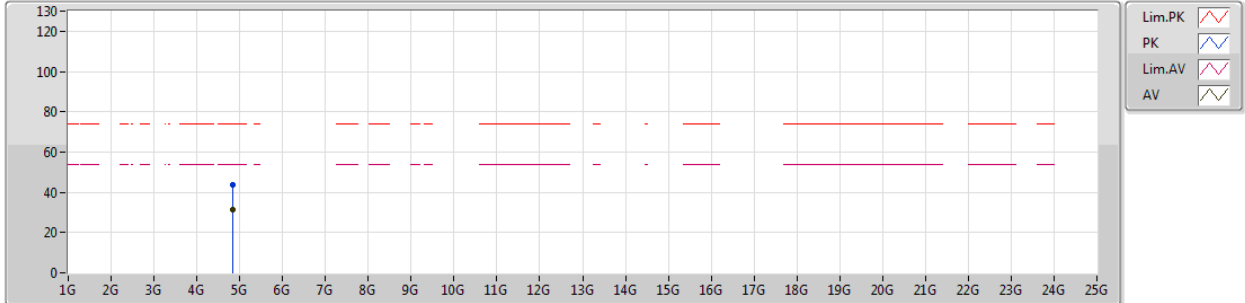


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.28	54.00	-0.72	30.77	3	Horizontal	247	2.14	-
AV	2.4228G	92.88	Inf	-Inf	30.89	3	Horizontal	247	2.14	-
AV	2.484G	47.05	54.00	-6.95	31.12	3	Horizontal	247	2.14	-
PK	2.3884G	69.05	74.00	-4.95	30.77	3	Horizontal	247	2.14	-
PK	2.4232G	101.40	Inf	-Inf	30.89	3	Horizontal	247	2.14	-
PK	2.4852G	59.76	74.00	-14.24	31.12	3	Horizontal	247	2.14	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2422MHz_TX

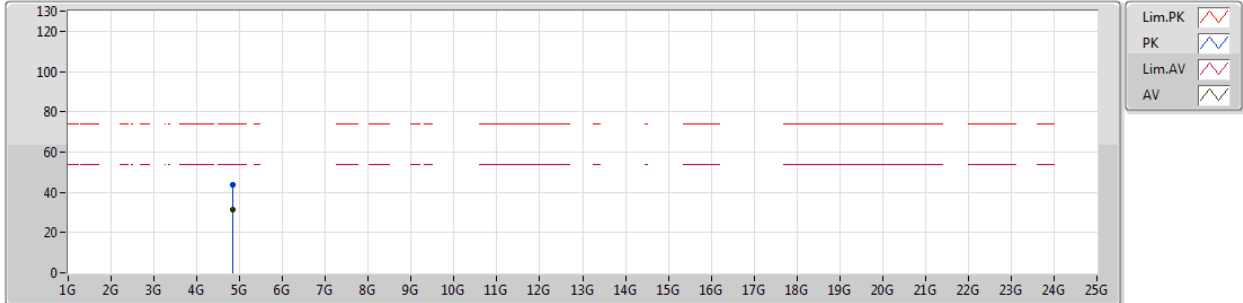


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)									
AV	4.82978G	31.39	54.00	-22.61	2.15	3	Vertical	156	1.50	-								
PK	4.83014G	43.71	74.00	-30.29	2.15	3	Vertical	156	1.50	-								

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2422MHz_TX

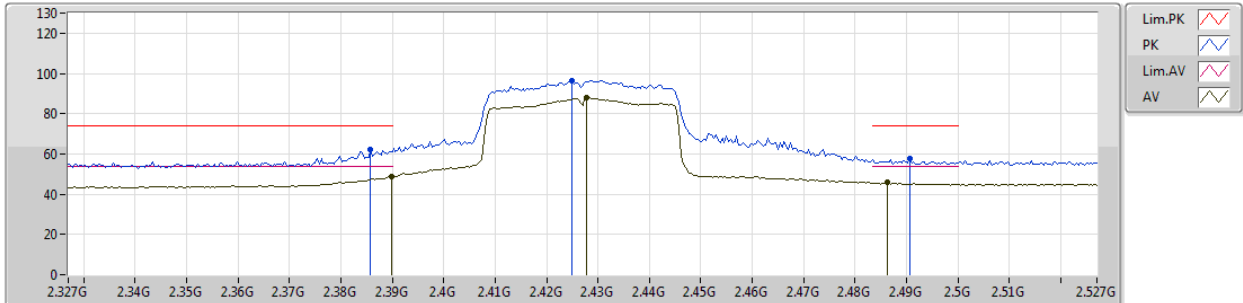


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.85102G	31.20	54.00	-22.80	2.20	3	Horizontal	8	2.34	-								
PK	4.84328G	43.50	74.00	-30.50	2.18	3	Horizontal	8	2.34	-								

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

06/11/2018

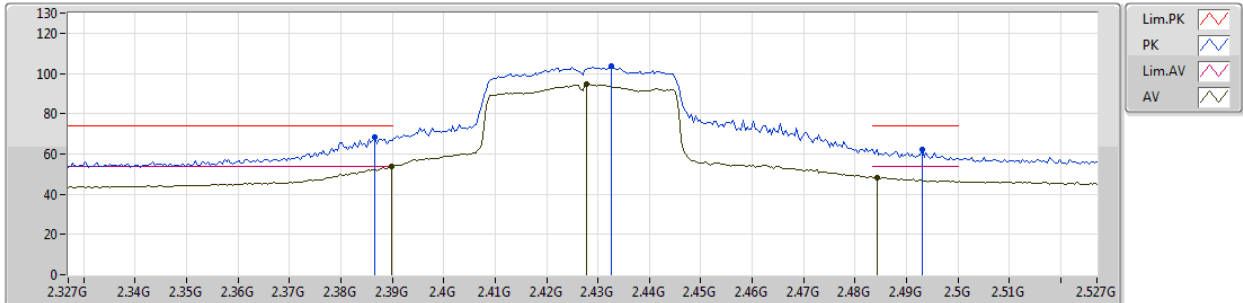


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	48.84	54.00	-5.16	30.77	3	Vertical	326	2.74	-
AV	2.4278G	87.80	Inf	-Inf	30.91	3	Vertical	326	2.74	-
AV	2.4862G	45.71	54.00	-8.29	31.12	3	Vertical	326	2.74	-
PK	2.3858G	62.03	74.00	-11.97	30.76	3	Vertical	326	2.74	-
PK	2.425G	96.59	Inf	-Inf	30.90	3	Vertical	326	2.74	-
PK	2.4906G	57.92	74.00	-16.08	31.13	3	Vertical	326	2.74	-

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

06/11/2018

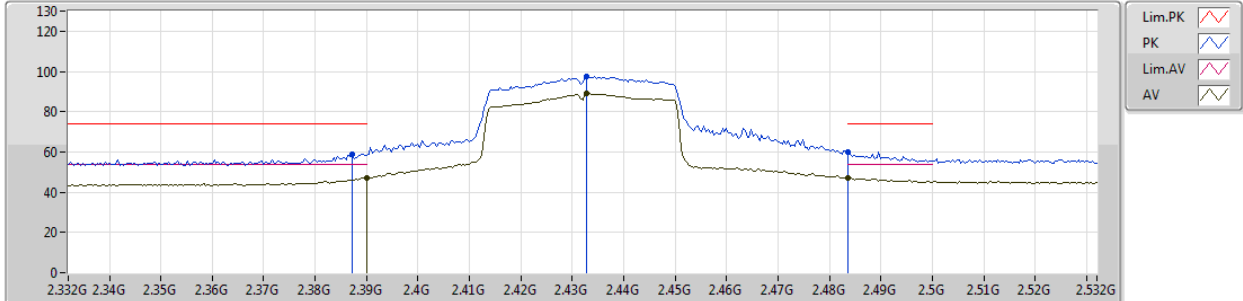


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	53.77	54.00	-0.23	30.77	3	Horizontal	211	2.74	-
AV	2.4278G	94.65	Inf	-Inf	30.91	3	Horizontal	211	2.74	-
AV	2.4842G	48.41	54.00	-5.59	31.12	3	Horizontal	211	2.74	-
PK	2.3866G	68.44	74.00	-5.56	30.76	3	Horizontal	211	2.74	-
PK	2.4326G	103.58	Inf	-Inf	30.93	3	Horizontal	211	2.74	-
PK	2.493G	62.29	74.00	-11.71	31.14	3	Horizontal	211	2.74	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2432MHz_TX

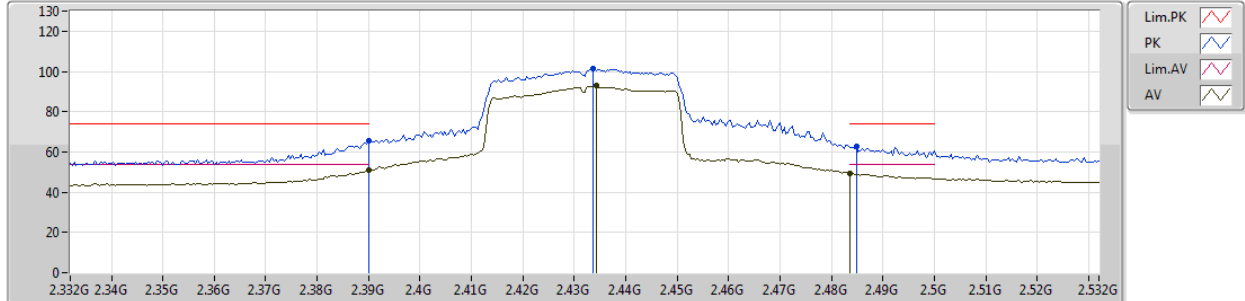


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	46.85	54.00	-7.15	30.77	3	Vertical	319	2.10	-
AV	2.4328G	89.10	Inf	-Inf	30.93	3	Vertical	319	2.10	-
AV	2.4835G	47.02	54.00	-6.98	31.11	3	Vertical	319	2.10	-
PK	2.3872G	58.79	74.00	-15.21	30.76	3	Vertical	319	2.10	-
PK	2.4328G	97.46	Inf	-Inf	30.93	3	Vertical	319	2.10	-
PK	2.4835G	60.21	74.00	-13.79	31.11	3	Vertical	319	2.10	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2432MHz_TX

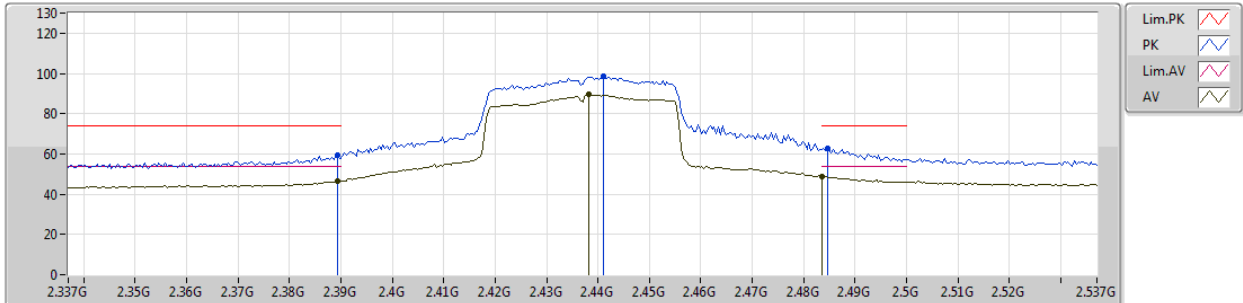


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	50.76	54.00	-3.24	30.77	3	Horizontal	294	1.24	-
AV	2.4344G	92.78	Inf	-Inf	30.94	3	Horizontal	294	1.24	-
AV	2.4835G	49.31	54.00	-4.69	31.11	3	Horizontal	294	1.24	-
PK	2.39G	65.32	74.00	-8.68	30.77	3	Horizontal	294	1.24	-
PK	2.4336G	101.53	Inf	-Inf	30.93	3	Horizontal	294	1.24	-
PK	2.4848G	62.68	74.00	-11.32	31.12	3	Horizontal	294	1.24	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

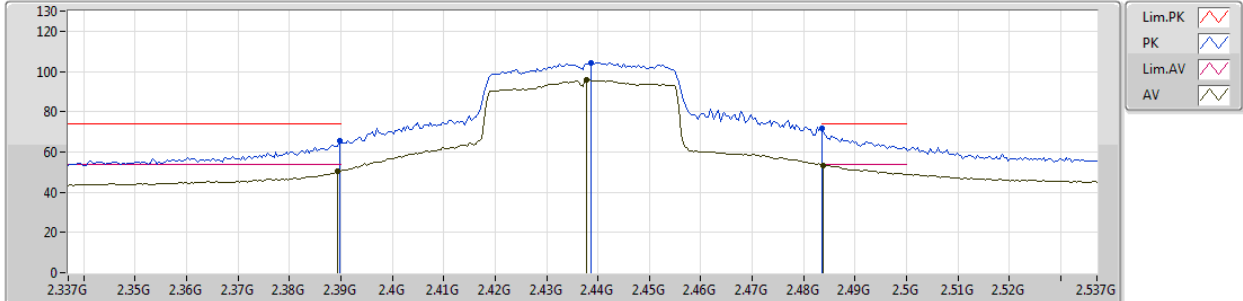


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3894G	46.46	54.00	-7.54	30.77	3	Vertical	134	2.99	-
AV	2.4382G	89.39	Inf	-Inf	30.95	3	Vertical	134	2.99	-
AV	2.4835G	48.95	54.00	-5.05	31.11	3	Vertical	134	2.99	-
PK	2.3894G	59.35	74.00	-14.65	30.77	3	Vertical	134	2.99	-
PK	2.441G	98.49	Inf	-Inf	30.95	3	Vertical	134	2.99	-
PK	2.4846G	62.97	74.00	-11.03	31.12	3	Vertical	134	2.99	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

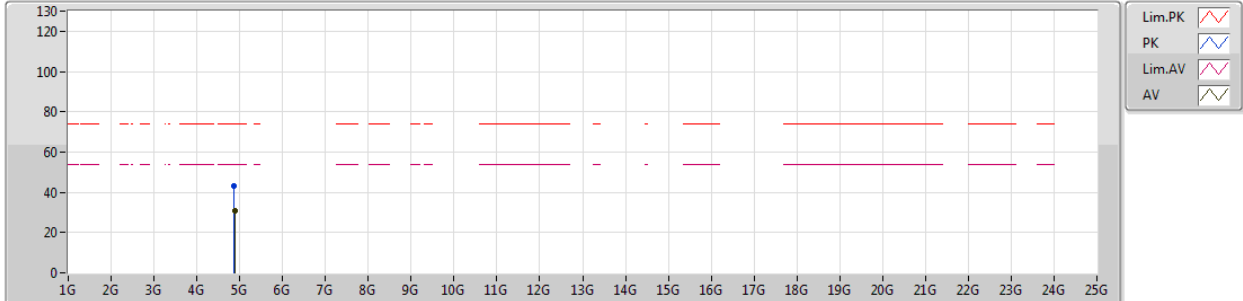


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3894G	50.32	54.00	-3.68	30.77	3	Horizontal	243	2.69	-
AV	2.4378G	96.09	Inf	-Inf	30.95	3	Horizontal	243	2.69	-
AV	2.4838G	53.37	54.00	-0.63	31.11	3	Horizontal	243	2.69	-
PK	2.3898G	65.53	74.00	-8.47	30.77	3	Horizontal	243	2.69	-
PK	2.4386G	104.34	Inf	-Inf	30.95	3	Horizontal	243	2.69	-
PK	2.4835G	71.96	74.00	-2.04	31.11	3	Horizontal	243	2.69	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

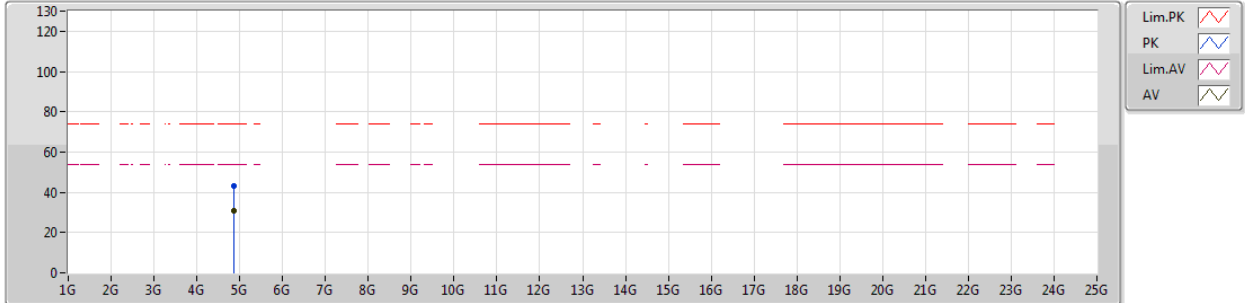


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
AV	4.87988G	30.81	54.00	-23.19	2.27	3	Vertical	162	1.22	-							
PK	4.86146G	43.15	74.00	-30.85	2.23	3	Vertical	182	1.22	-							

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2437MHz_TX

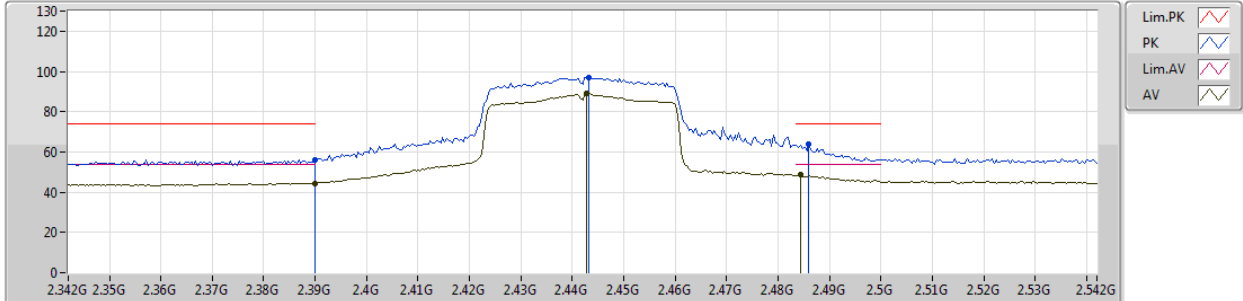


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87238G	30.93	54.00	-23.07	2.25	3	Horizontal	342	1.50	-
PK	4.87292G	42.97	74.00	-31.03	2.25	3	Horizontal	342	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

06/11/2018

2442MHz_TX

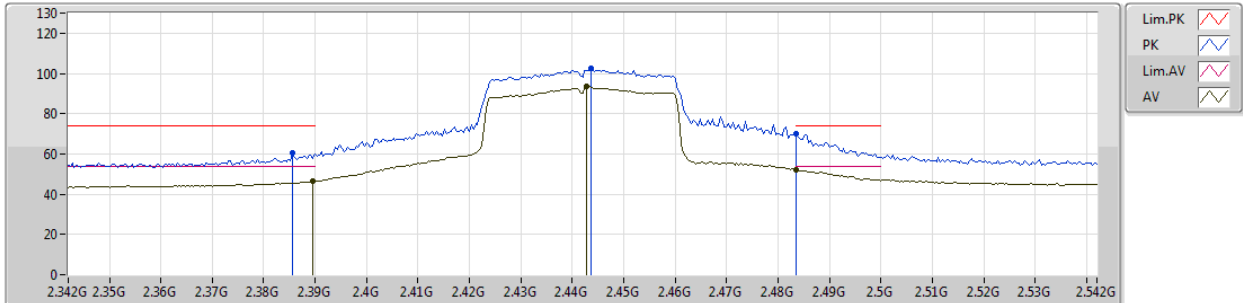


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	44.49	54.00	-9.51	30.77	3	Vertical	317	2.12	-
AV	2.4428G	89.16	Inf	-Inf	30.96	3	Vertical	317	2.12	-
AV	2.4844G	48.47	54.00	-5.53	31.12	3	Vertical	317	2.12	-
PK	2.39G	56.24	74.00	-17.76	30.77	3	Vertical	317	2.12	-
PK	2.4432G	96.85	Inf	-Inf	30.96	3	Vertical	317	2.12	-
PK	2.486G	63.90	74.00	-10.10	31.12	3	Vertical	317	2.12	-

802.11n HT40_Nss1,(MCS0)_1TX

2442MHz_TX

06/11/2018

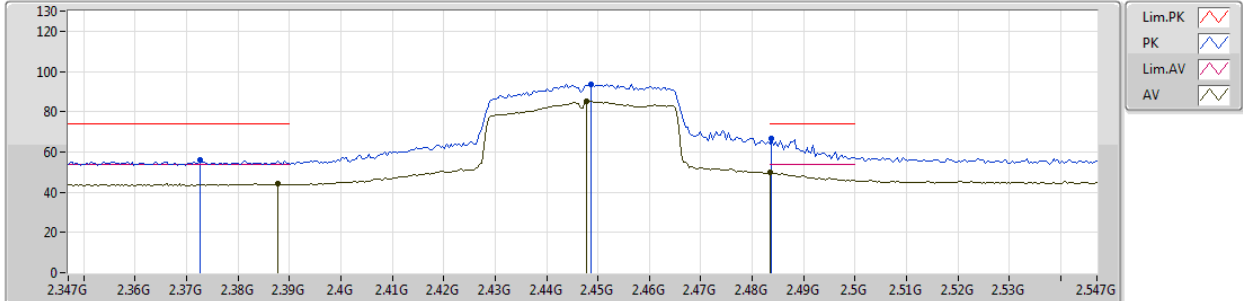


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	46.42	54.00	-7.58	30.77	3	Horizontal	292	1.46	-
AV	2.4428G	93.67	Inf	-Inf	30.96	3	Horizontal	292	1.46	-
AV	2.4835G	52.30	54.00	-1.70	31.11	3	Horizontal	292	1.46	-
PK	2.3856G	60.33	74.00	-13.67	30.76	3	Horizontal	292	1.46	-
PK	2.4436G	102.32	Inf	-Inf	30.96	3	Horizontal	292	1.46	-
PK	2.4835G	69.92	74.00	-4.08	31.11	3	Horizontal	292	1.46	-

802.11n HT40_Nss1,(MCS0)_1TX

06/11/2018

2447MHz_TX

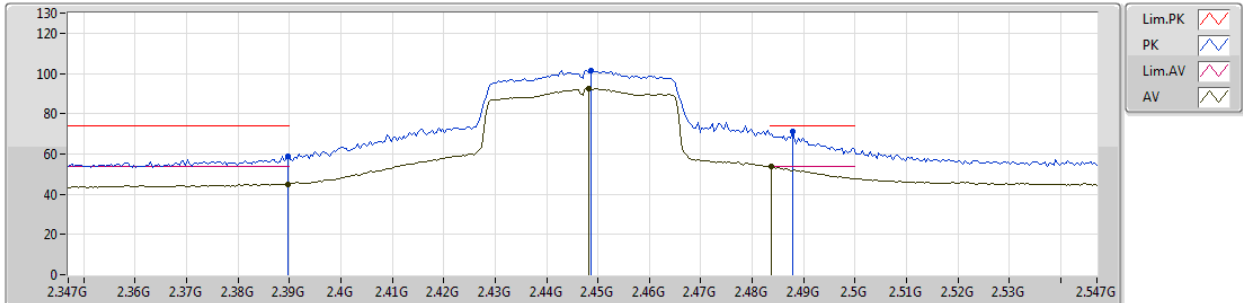


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3878G	44.27	54.00	-9.73	30.77	3	Vertical	292	1.56	-
AV	2.4478G	85.11	Inf	-Inf	30.98	3	Vertical	292	1.56	-
AV	2.4835G	49.67	54.00	-4.33	31.11	3	Vertical	292	1.56	-
PK	2.3726G	55.96	74.00	-18.04	30.71	3	Vertical	292	1.56	-
PK	2.4486G	93.68	Inf	-Inf	30.99	3	Vertical	292	1.56	-
PK	2.4838G	66.62	74.00	-7.38	31.11	3	Vertical	292	1.56	-

802.11n HT40_Nss1,(MCS0)_1TX

06/11/2018

2447MHz_TX

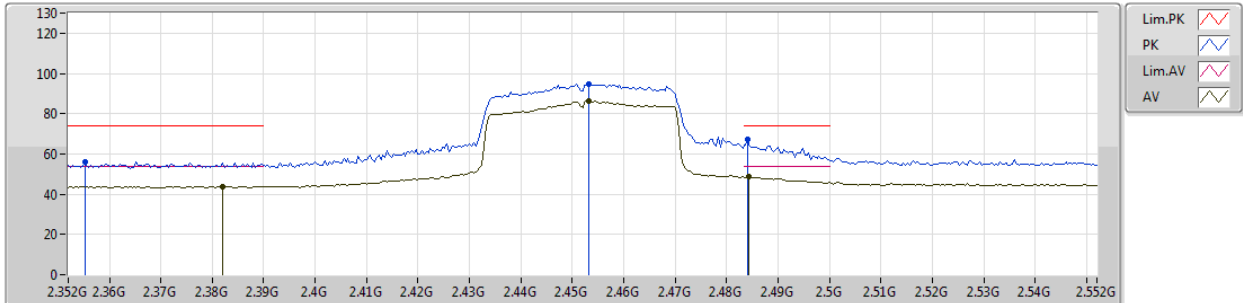


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	45.09	54.00	-8.91	30.77	3	Horizontal	293	1.54	-
AV	2.4482G	92.65	Inf	-Inf	30.98	3	Horizontal	293	1.54	-
AV	2.4838G	53.88	54.00	-0.12	31.11	3	Horizontal	293	1.54	-
PK	2.3898G	58.85	74.00	-15.15	30.77	3	Horizontal	293	1.54	-
PK	2.4486G	101.62	Inf	-Inf	30.99	3	Horizontal	293	1.54	-
PK	2.4878G	71.23	74.00	-2.77	31.13	3	Horizontal	293	1.54	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2452MHz_TX

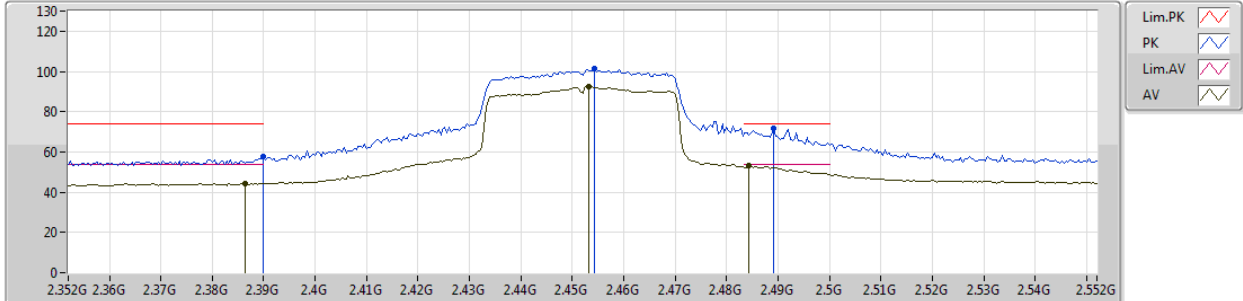


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.382G	43.98	54.00	-10.02	30.75	3	Vertical	346	2.65	-
AV	2.4532G	86.26	Inf	-Inf	31.00	3	Vertical	346	2.65	-
AV	2.4844G	48.58	54.00	-5.42	31.12	3	Vertical	346	2.65	-
PK	2.3552G	56.17	74.00	-17.83	30.65	3	Vertical	346	2.65	-
PK	2.4532G	94.67	Inf	-Inf	31.00	3	Vertical	346	2.65	-
PK	2.484G	67.02	74.00	-6.98	31.12	3	Vertical	346	2.65	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2452MHz_TX

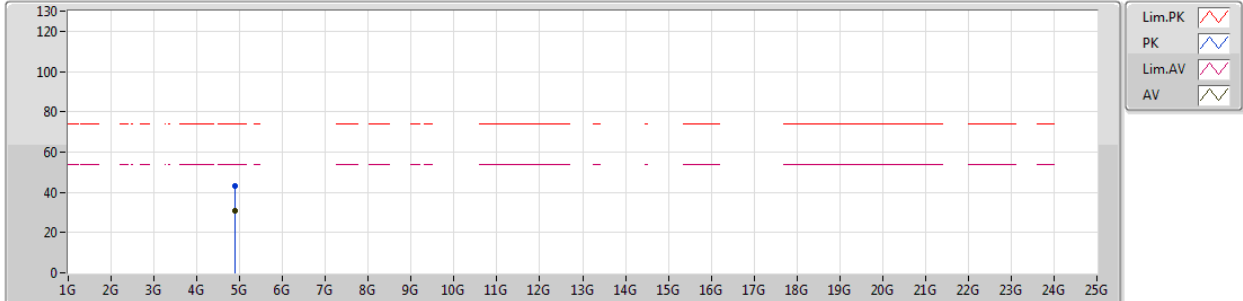


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3864G	44.25	54.00	-9.75	30.76	3	Horizontal	242	1.29	-
AV	2.4532G	92.63	Inf	-Inf	31.00	3	Horizontal	242	1.29	-
AV	2.4844G	53.07	54.00	-0.93	31.12	3	Horizontal	242	1.29	-
PK	2.39G	57.56	74.00	-16.44	30.77	3	Horizontal	242	1.29	-
PK	2.4544G	101.45	Inf	-Inf	31.00	3	Horizontal	242	1.29	-
PK	2.4892G	71.53	74.00	-2.47	31.13	3	Horizontal	242	1.29	-

802.11n HT40_Nss1,(MCS0)_1TX

05/11/2018

2452MHz_TX

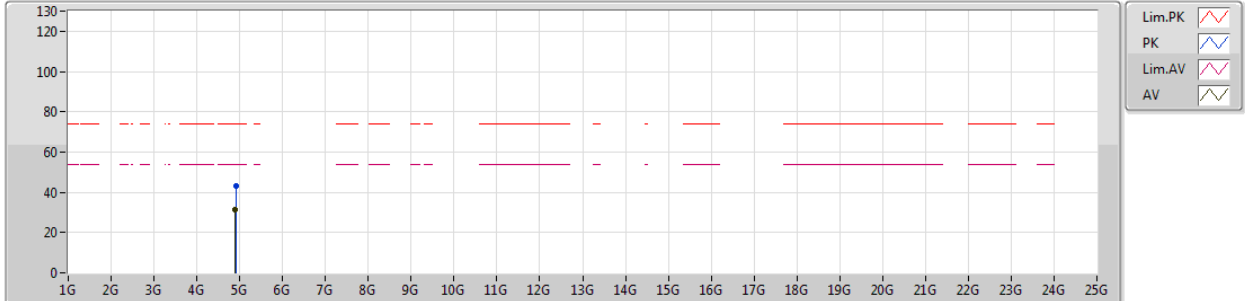


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
AV	4.90112G	31.07	54.00	-22.93	2.32	3	Vertical	180	2.21	-							
PK	4.89062G	43.27	74.00	-30.73	2.29	3	Vertical	180	2.21	-							

802.11n HT40_Nss1,(MCS0)_1TX

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2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.89236G	31.10	54.00	-22.90	2.31	3	Horizontal	70	1.50	-
PK	4.9037G	43.01	74.00	-30.99	2.33	3	Horizontal	70	1.50	-

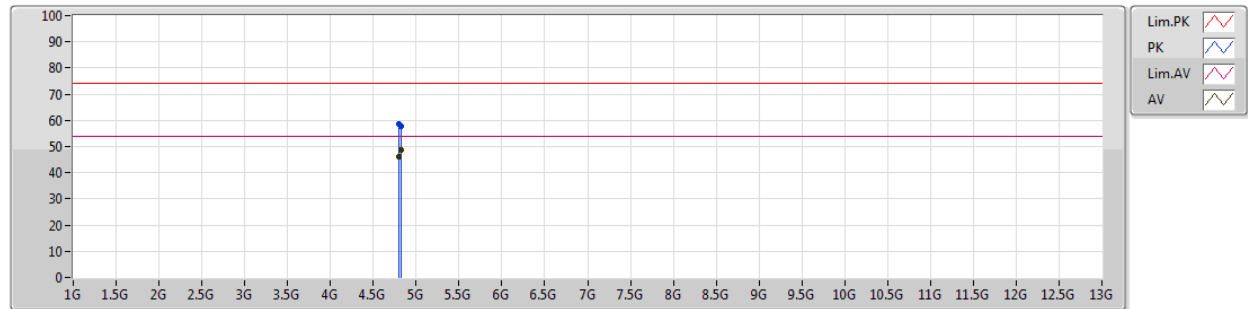


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.82405G	51.25	54.00	-2.75	2.13	3	Horizontal	341	2.55	-

Mode 1

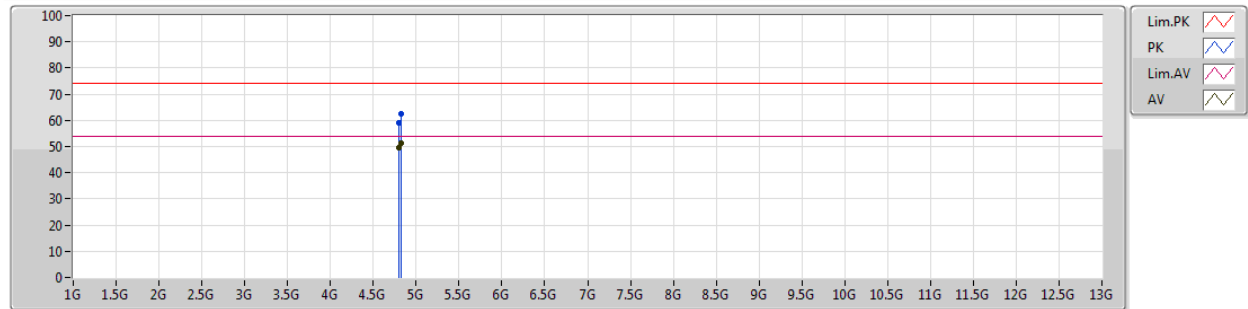
29/12/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80432G	46.27	54.00	-7.73	2.08	3	Vertical	12	2.51	-
AV	4.82379G	48.65	54.00	-5.35	2.13	3	Vertical	159	2.19	-
PK	4.80416G	58.43	74.00	-15.57	2.08	3	Vertical	12	2.51	-
PK	4.82379G	57.57	74.00	-16.43	2.13	3	Vertical	159	2.19	-

Mode 1

29/12/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80401G	49.67	54.00	-4.33	2.08	3	Horizontal	38	2.12	-
AV	4.82405G	51.25	54.00	-2.75	2.13	3	Horizontal	341	2.55	-
PK	4.80421G	59.24	74.00	-14.76	2.08	3	Horizontal	38	2.12	-
PK	4.82405G	62.57	74.00	-11.43	2.13	3	Horizontal	341	2.55	-