

FCC Test Report

FCC ID : VW3DIW362-V2
Equipment : SET TOP BOX
Brand Name : SAGEMCOM
Model Name : DIW362 UHD V2
Applicant / Manufacturer : Sagemcom Broadband SAS
250, route de l'Empereur 92848
Rueil-Malmaison cedex – France
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 14, 2018, and testing was started from Dec. 20, 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

[illegible]

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: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX(Port 2)
2.4-2.4835GHz	802.11g	20	1TX(Port 2)
2.4-2.4835GHz	802.11n HT20	20	3TX
2.4-2.4835GHz	802.11n HT40	40	3TX

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	-	-	PCB	N/A
2	-	-	PCB	N/A
3	-	-	PCB	I-PEX
4	-	-	PCB	N/A

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	3.30	5.36	-
2	2	3.55	5.31	-
3	3	3.93	5.41	-
4	4	-	-	3.54

Note 1: The EUT has four antennas.

Note 2: Higher gain antenna was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4 GHz function:

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

Support diversity function and pre-tested on each single chain, the worst case was Ant. 2(port 2) and it was record in this test report.

For IEEE 802.11n mode (3TX/3RX)

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

For 5 GHz function:

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

Support diversity function and pre-tested on each single chain, the worst case was Ant. 3(port 3) and it was record in this test report.

For IEEE 802.11n/ac mode (3TX/3RX)

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

For Bluetooth function:

For Bluetooth mode (1TX/1RX)

Only Ant. 4 (port 4) can be used as transmitting/receiving antenna.

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	0.957	0.191	12.418m	100
802.11g	0.951	0.218	2.066m	1k
802.11n HT20	0.951	0.218	1.922m	1k
802.11n HT40	0.905	0.434	946.875u	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 v05
- ♦ KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego	21°C / 55%	26/Dec/2018
RF Conducted	TH06-HY	Streak	23.3°C / 63%	26/Dec/2018
Radiated	03CH03-HY	Terry	25°C / 57%	29/Dec/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 Version	accessMTool_REL_3_0_0_3
-----------------------	-------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX(Port2)	-
2412MHz	82
2437MHz	82
2462MHz	82
802.11g_Nss1,(6Mbps)_1TX(Port2)	-
2412MHz	67
2417MHz	76
2422MHz	82
2437MHz	82
2447MHz	82
2452MHz	78
2457MHz	73
2462MHz	66
802.11n HT20_Nss1,(MCS0)_3TX	-
2412MHz	61
2417MHz	72
2422MHz	76
2427MHz	79
2432MHz	82
2437MHz	82
2447MHz	82
2452MHz	77
2457MHz	72
2462MHz	58

802.11n HT40_Nss1,(MCS0)_3TX	-
2422MHz	50
2427MHz	53
2432MHz	58
2437MHz	58
2442MHz	55
2447MHz	55
2452MHz	46

2.3 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	Adapter mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	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	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: Appendix G for Radiated Emission Co-location	
Operating Mode	CTX
2	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA862116-02 for Co-location RF Exposure Evaluation.	

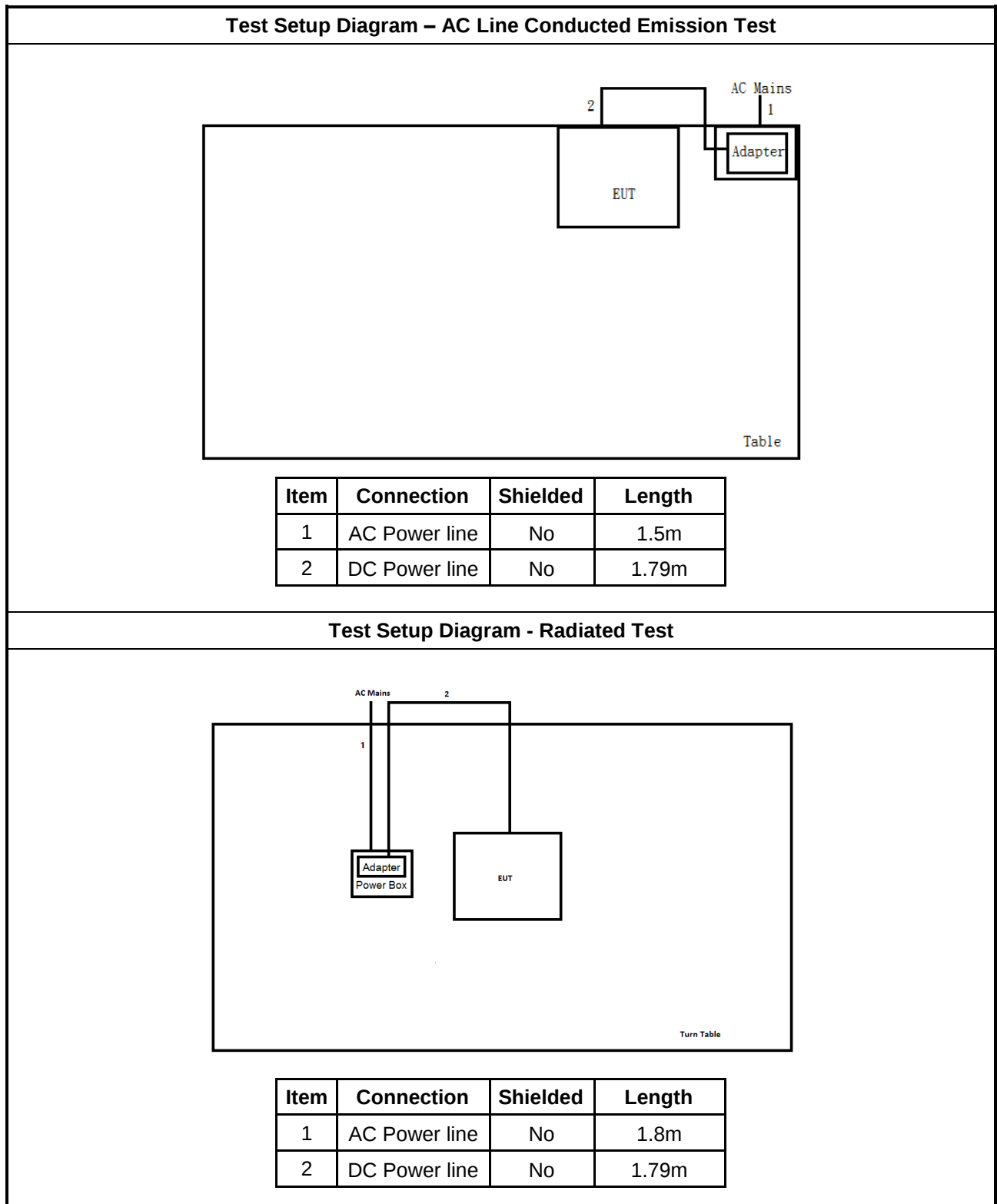
2.4 Accessories and Support Equipment

Accessories				
AC Adapter 1	Brand Name	SAGEMCOM	Model Name	MSA-C2000IS12.0-24N-DE
	Power Rating	I/P: 200-240Vac, 50/60Hz, 0.7A max, O/P: 12Vdc, 2A		
	Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		
AC Adapter 2	Brand Name	SAGEMCOM	Model Name	MSA-C2000IS12.0-24N-DE
	Manufacturer	MOSO		
	Power Rating	I/P: 200-240Vac, 50/60Hz, 0.7A max, O/P: 12Vdc, 2A		
	Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		
HDMI Cable	Power Cord	1.4 meter, shielded cable, w/o ferrite core		

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

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

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

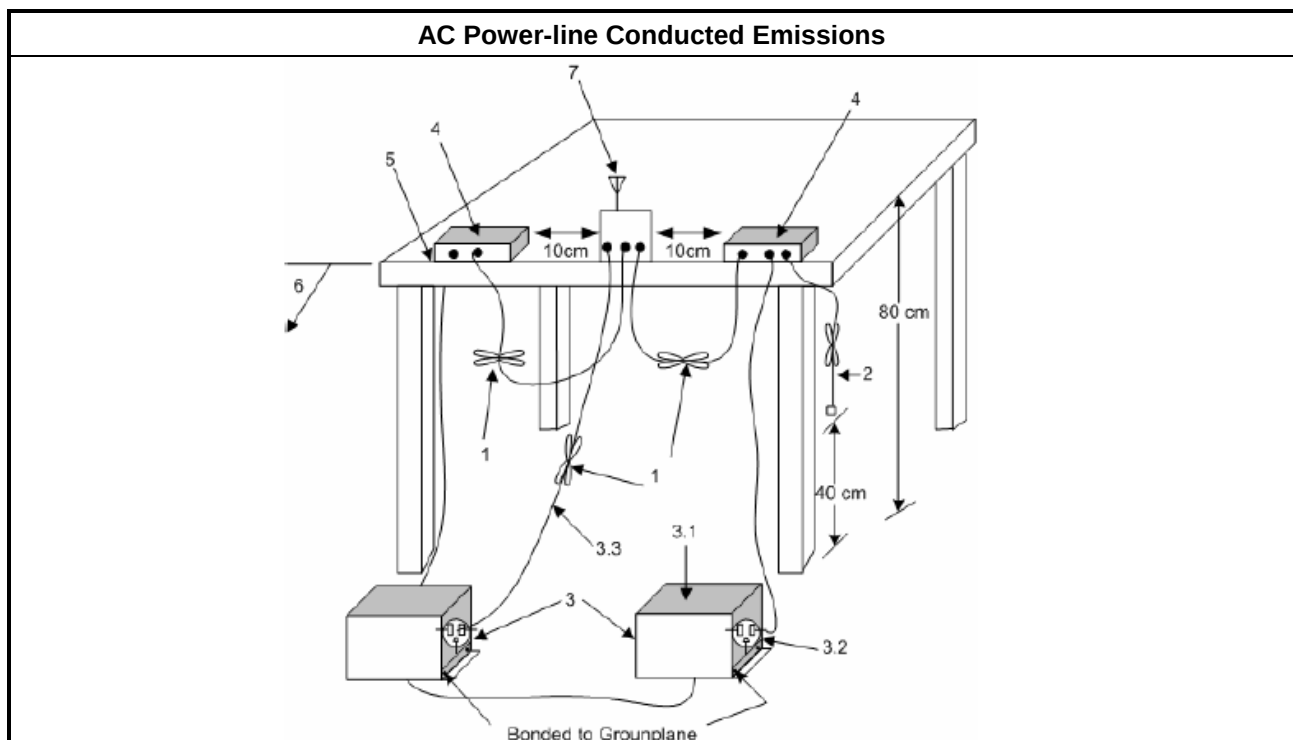
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ 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.

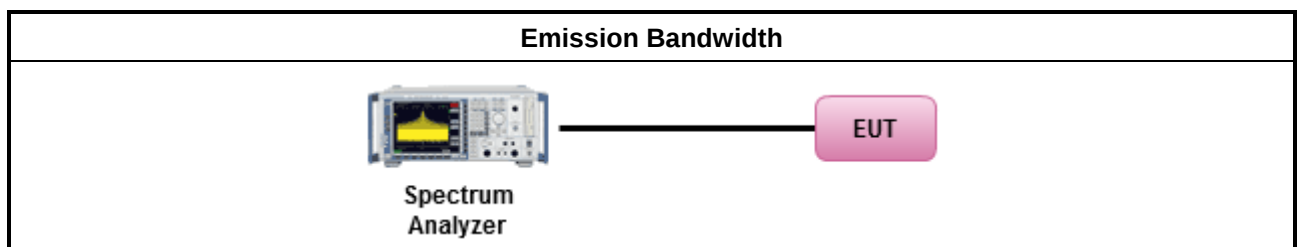
3.2.2 Measuring Instruments

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.	

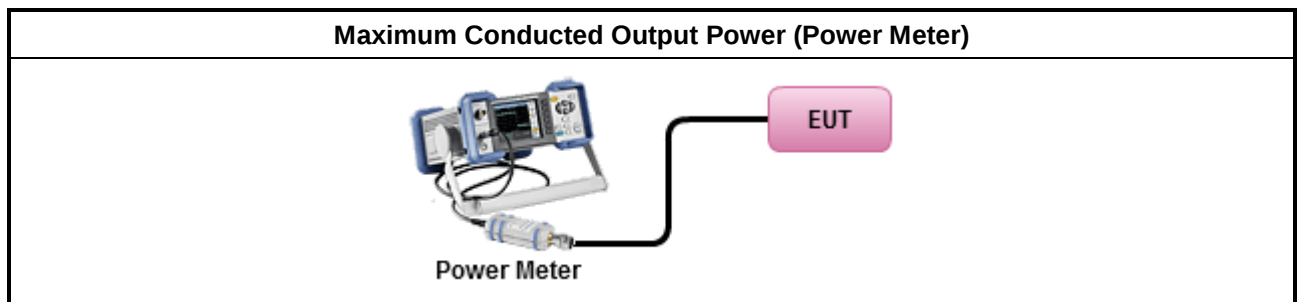
3.3.2 Measuring Instruments

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) ≤ 8 dBm/3kHz

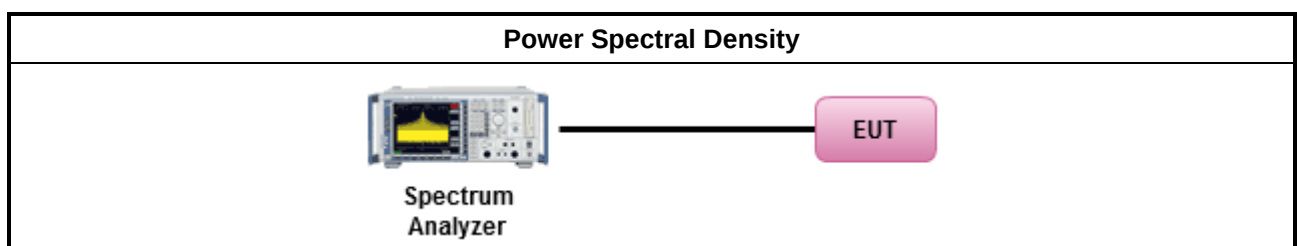
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

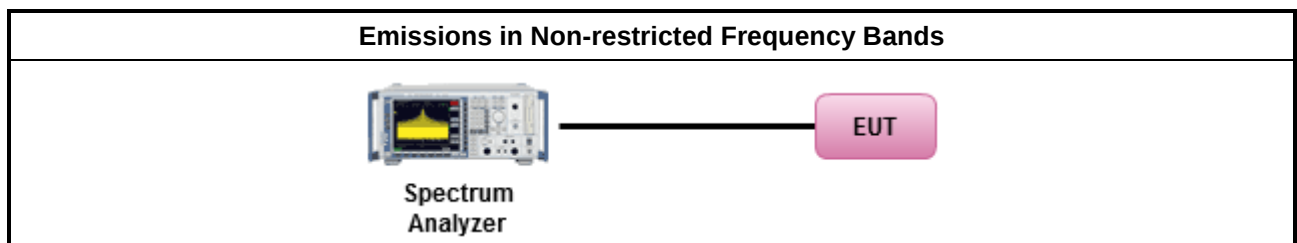
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

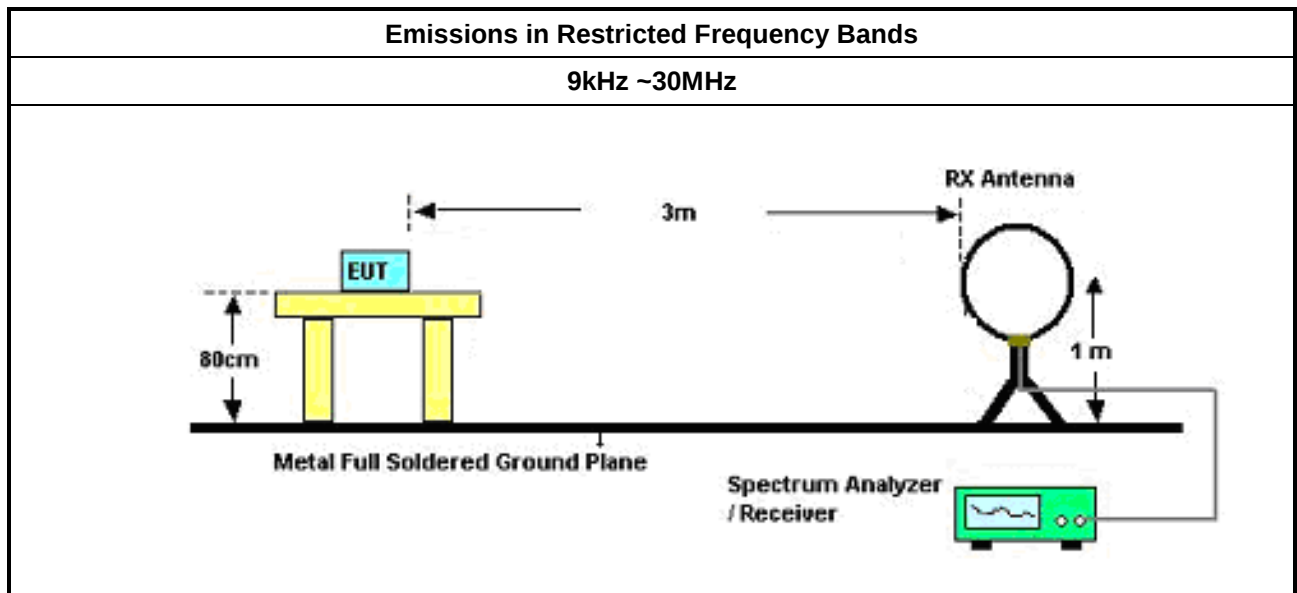
3.6.2 Measuring Instruments

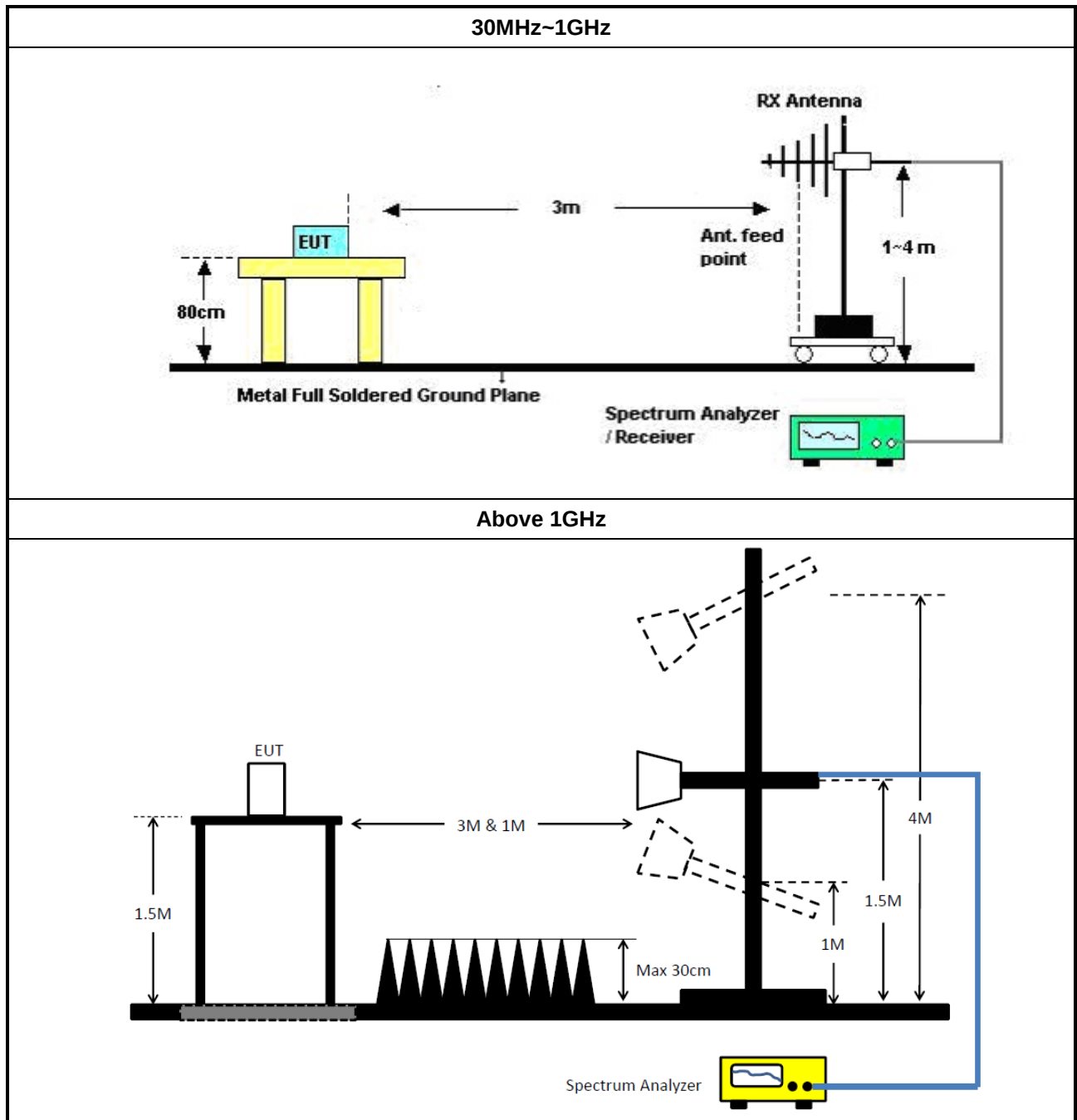
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
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	08/Nov/2018	07/Nov/2019
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	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Oct/2018	29/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Oct/2018	29/Oct/2019
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	19/Apr/2019
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2018	04/Sep/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	29/Jan/2018	28/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX 106	CB222	1GHz ~ 40GHz	29/Jan/2018	28/Jan/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/ 2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Bilog Antenna with 5dB Pad	ETS	3142B & MTJ6102-05	00022055	26 MHz - 3 GHz	19/Nov/2018	18/Nov/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	28/Mar/2018	27/Mar/2019
RF Cable	HUBER+SUHNER	SUCOFLEX 102	MY2579/2	100 kHz~40 GHz	13/Jun/2018	12/Jun/2019
RF Cable	HUBER+SUHNER	SUCOFLEX 102	MY2580/2	100 kHz~40 GHz	10/May/2018	09/May/2019

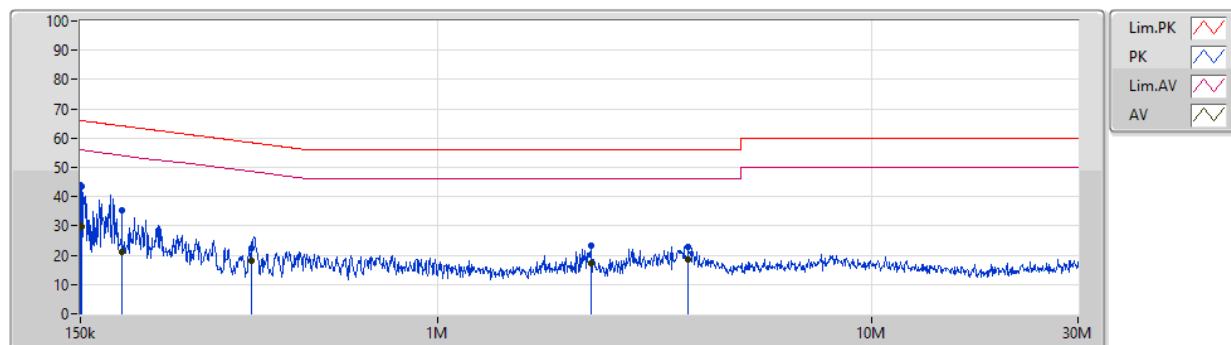
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
Signal Generator	R&S	SMB100A	175727	100kHz~40GHz	26/Oct/2018	25/Oct/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-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
CABLE 0.5m	HUBER	MY39464/4	RF Cable - 23	1GHz~18GHz	26/Jan/2018	25/Jan/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		

26/12/2018

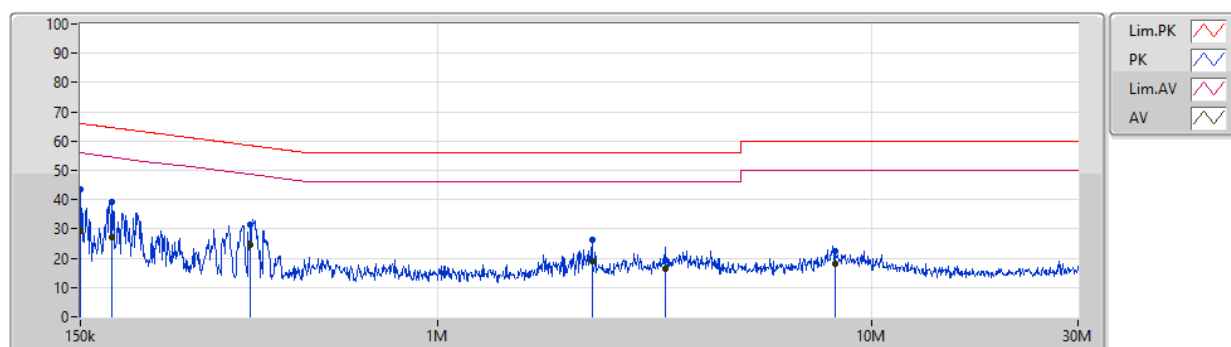


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150.326k	44.05	65.98	-21.93	19.48	Neutral	"Worst"	24.57	9.60	0.01	9.87			
AV	150.326k	30.08	55.98	-25.90	19.48	Neutral	-	10.60	9.60	0.01	9.87			
QP	151.006k	43.36	65.94	-22.58	19.48	Neutral	-	23.88	9.60	0.01	9.87			
AV	151.006k	29.66	55.94	-26.28	19.48	Neutral	-	10.18	9.60	0.01	9.87			
QP	187.323k	35.33	64.15	-28.82	19.47	Neutral	-	15.86	9.59	0.01	9.87			
AV	187.323k	21.07	54.15	-33.08	19.47	Neutral	-	1.60	9.59	0.01	9.87			
QP	372.937k	22.50	58.43	-35.93	19.48	Neutral	-	3.02	9.59	0.01	9.88			
AV	372.937k	18.14	48.43	-30.29	19.48	Neutral	-	-1.34	9.59	0.01	9.88			
QP	2.26M	23.48	56.00	-32.52	19.54	Neutral	-	3.94	9.61	0.04	9.89			
AV	2.26M	17.12	46.00	-28.88	19.54	Neutral	-	-2.42	9.61	0.04	9.89			
QP	3.786M	22.68	56.00	-33.32	19.54	Neutral	-	3.14	9.61	0.04	9.89			
AV	3.786M	18.36	46.00	-27.64	19.54	Neutral	-	-1.18	9.61	0.04	9.89			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter mode		

26/12/2018



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150.036k	43.33	66.00	-22.67	19.48	Line	"Worst"	23.85	9.60	0.01	9.87			
AV	150.036k	29.27	56.00	-26.73	19.48	Line	-	9.79	9.60	0.01	9.87			
QP	176.797k	39.09	64.64	-25.55	19.48	Line	-	19.61	9.60	0.01	9.87			
AV	176.797k	27.06	54.64	-27.58	19.48	Line	-	7.58	9.60	0.01	9.87			
QP	370.421k	31.46	58.49	-27.03	19.48	Line	-	11.98	9.59	0.01	9.88			
AV	370.421k	24.42	48.49	-24.07	19.48	Line	-	4.94	9.59	0.01	9.88			
QP	2.275M	26.22	56.00	-29.78	19.55	Line	-	6.67	9.62	0.04	9.89			
AV	2.275M	18.84	46.00	-27.16	19.55	Line	-	-0.71	9.62	0.04	9.89			
QP	3.362M	19.48	56.00	-36.52	19.56	Line	-	-0.08	9.63	0.04	9.89			
AV	3.362M	16.22	46.00	-29.78	19.56	Line	-	-3.34	9.63	0.04	9.89			
QP	8.25M	22.57	60.00	-37.43	19.61	Line	-	2.96	9.66	0.06	9.89			
AV	8.25M	18.01	50.00	-31.99	19.61	Line	-	-1.60	9.66	0.06	9.89			

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(Port2)	9.025M	12.019M	12M0G1D	8.55M	11.869M
802.11g_Nss1,(6Mbps)_1TX(Port2)	16.35M	16.717M	16M7D1D	16.275M	16.592M
802.11n_HT20_Nss1,(MCS0)_3TX	17.575M	17.866M	17M9D1D	17.2M	17.666M
802.11n_HT40_Nss1,(MCS0)_3TX	35.8M	36.332M	36M3D1D	35.6M	36.182M

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

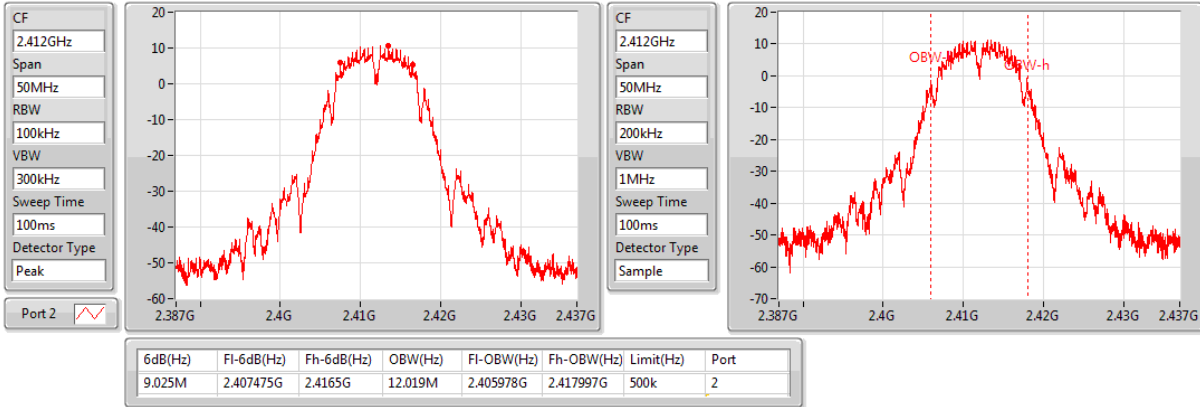
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	-	-	9.025M	12.019M	-	-
2437MHz	Pass	500k	-	-	8.55M	11.994M	-	-
2462MHz	Pass	500k	-	-	9M	11.869M	-	-
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	-	-	16.35M	16.592M	-	-
2437MHz	Pass	500k	-	-	16.275M	16.717M	-	-
2462MHz	Pass	500k	-	-	16.3M	16.592M	-	-
802.11n_HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.275M	17.691M	17.575M	17.716M	17.575M	17.691M
2437MHz	Pass	500k	17.2M	17.866M	17.55M	17.866M	17.525M	17.866M
2462MHz	Pass	500k	17.3M	17.716M	17.575M	17.666M	17.55M	17.666M
802.11n_HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.7M	36.282M	35.65M	36.232M	35.7M	36.282M
2437MHz	Pass	500k	35.65M	36.232M	35.65M	36.332M	35.6M	36.232M
2452MHz	Pass	500k	35.75M	36.182M	35.8M	36.182M	35.7M	36.282M

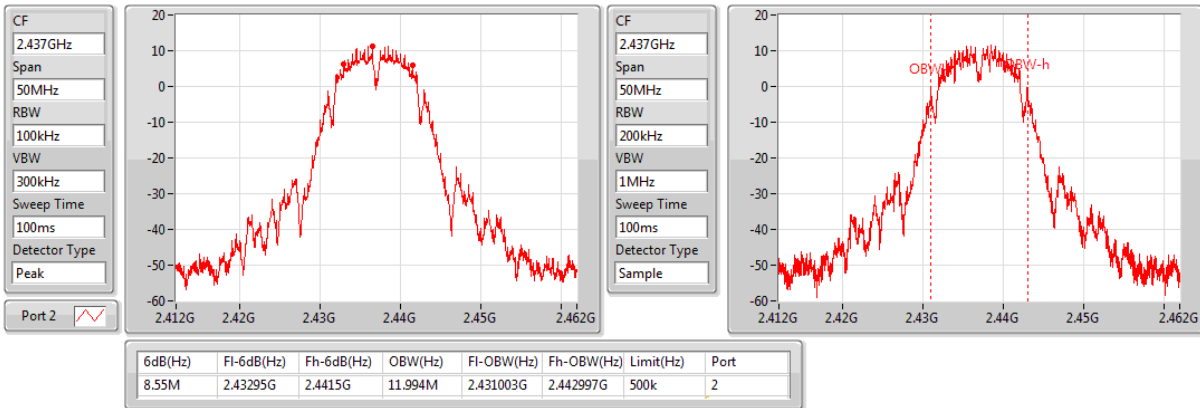
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX(Port2)
EBW
2412MHz

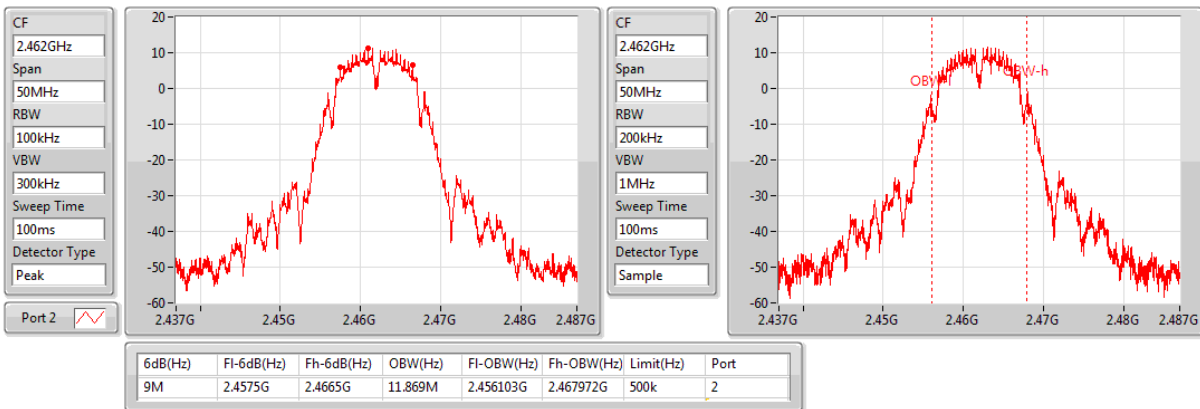
21/12/2018


802.11b_Nss1,(1Mbps)_1TX(Port2)
EBW
2437MHz

21/12/2018

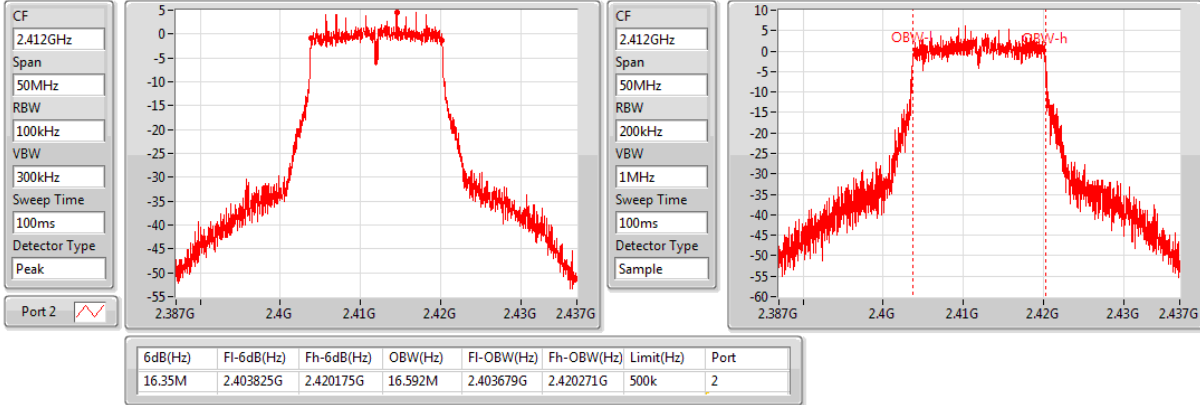

802.11b_Nss1,(1Mbps)_1TX(Port2)
EBW
2462MHz

21/12/2018

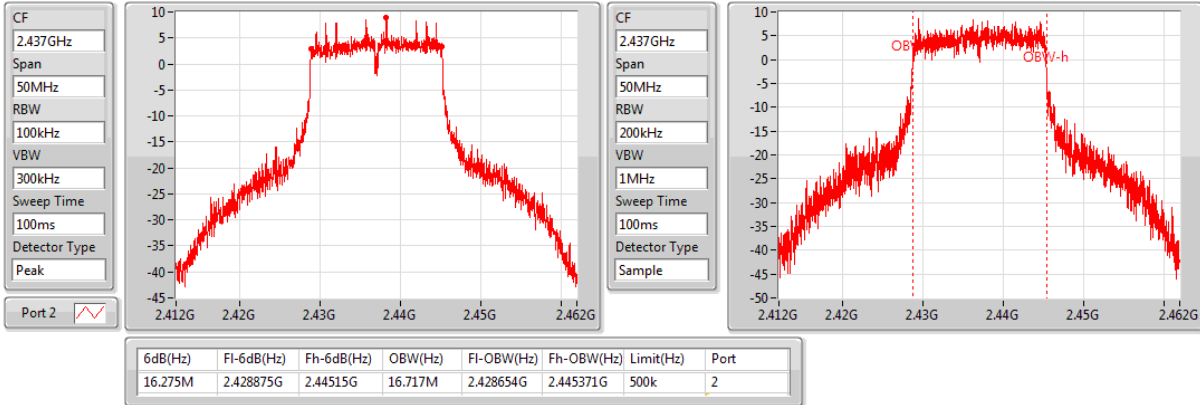


802.11g_Nss1,(6Mbps)_1TX(Port2)
EBW
2412MHz

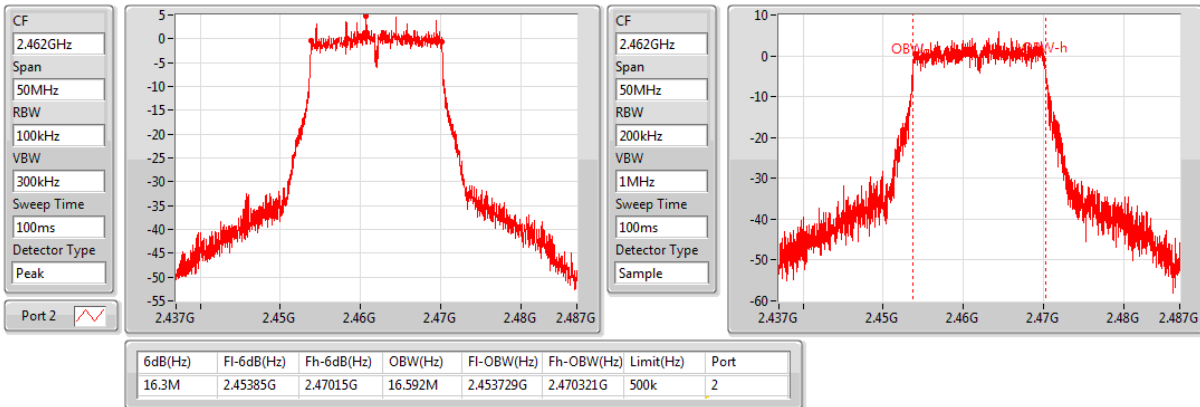
21/12/2018


802.11g_Nss1,(6Mbps)_1TX(Port2)
EBW
2437MHz

21/12/2018

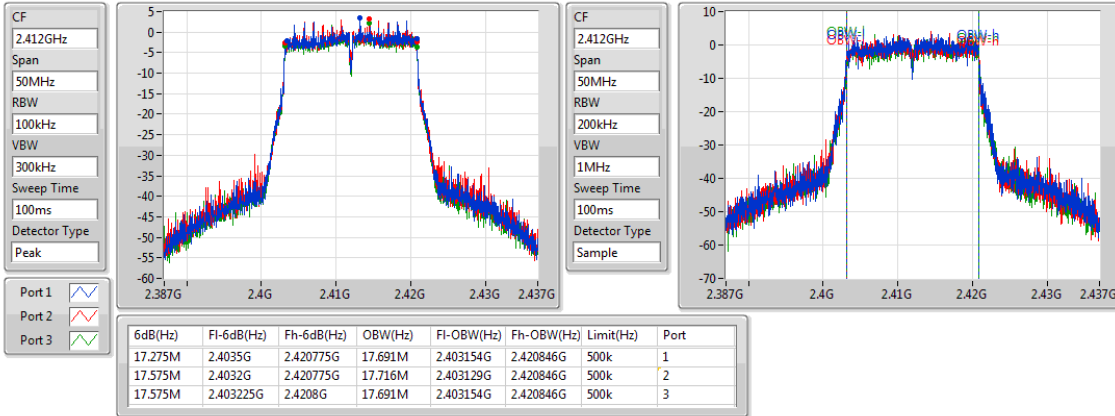

802.11g_Nss1,(6Mbps)_1TX(Port2)
EBW
2462MHz

21/12/2018

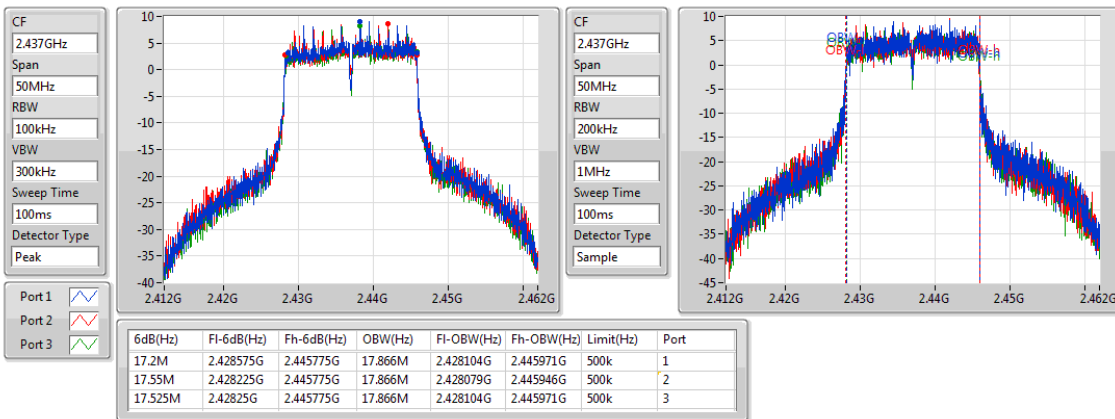


802.11n HT20_Nss1,(MCS0)_3TX
EBW
2412MHz

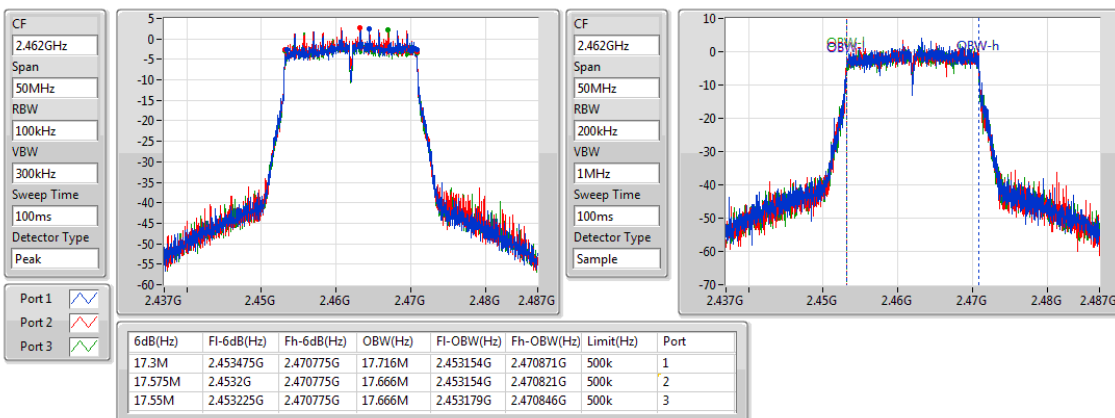
21/12/2018


802.11n HT20_Nss1,(MCS0)_3TX
EBW
2437MHz

21/12/2018

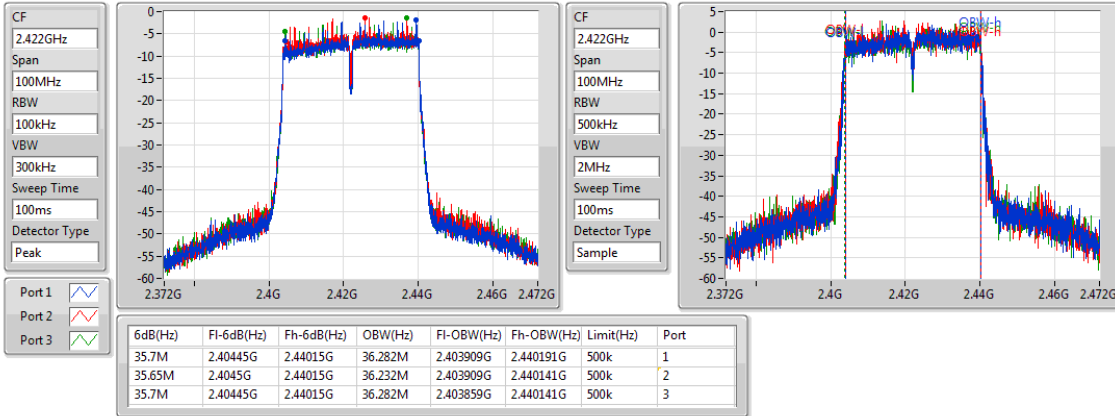

802.11n HT20_Nss1,(MCS0)_3TX
EBW
2462MHz

21/12/2018

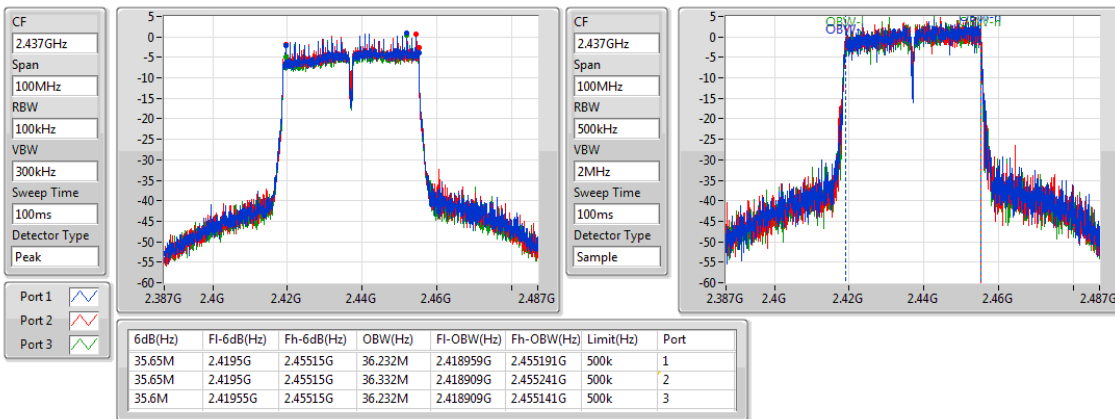


802.11n HT40_Nss1,(MCS0)_3TX
EBW
2422MHz

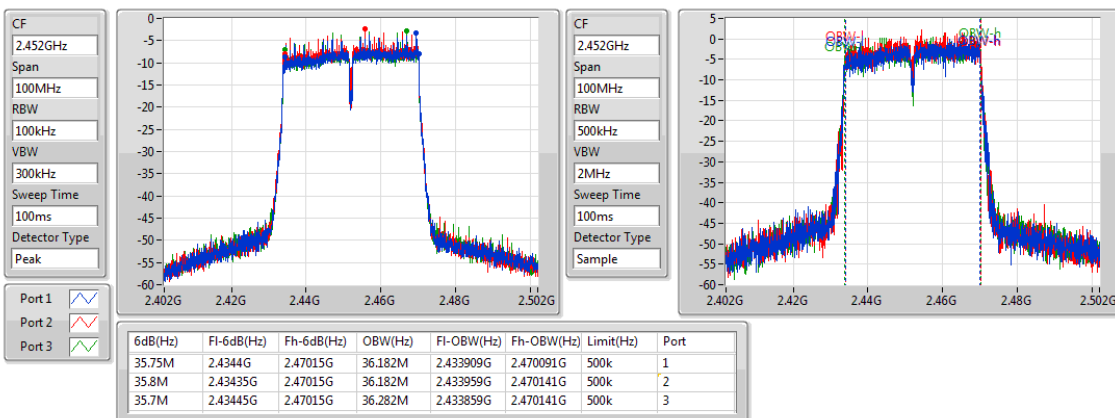
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802.11n HT40_Nss1,(MCS0)_3TX
EBW
2437MHz

21/12/2018


802.11n HT40_Nss1,(MCS0)_3TX
EBW
2452MHz

21/12/2018



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	21.32	0.13552
802.11g_Nss1,(6Mbps)_1TX(Port2)	20.90	0.12303
802.11n HT20_Nss1,(MCS0)_3TX	25.48	0.35318
802.11n HT40_Nss1,(MCS0)_3TX	20.11	0.10257

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-
2412MHz	Pass	3.93	-	21.19	-	21.19	30.00
2437MHz	Pass	3.93	-	21.29	-	21.29	30.00
2462MHz	Pass	3.93	-	21.32	-	21.32	30.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-
2412MHz	Pass	3.93	-	17.20	-	17.20	30.00
2417MHz	Pass	3.93	-	19.24	-	19.24	30.00
2422MHz	Pass	3.93	-	20.63	-	20.63	30.00
2437MHz	Pass	3.93	-	20.73	-	20.73	30.00
2447MHz	Pass	3.93	-	20.90	-	20.90	30.00
2452MHz	Pass	3.93	-	19.95	-	19.95	30.00
2457MHz	Pass	3.93	-	18.79	-	18.79	30.00
2462MHz	Pass	3.93	-	17.05	-	17.05	30.00
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.93	15.64	15.36	14.93	20.09	30.00
2417MHz	Pass	3.93	18.56	18.19	17.96	23.01	30.00
2422MHz	Pass	3.93	19.61	19.08	19.02	24.02	30.00
2427MHz	Pass	3.93	20.43	19.87	19.73	24.79	30.00
2432MHz	Pass	3.93	20.99	20.55	20.46	25.44	30.00
2437MHz	Pass	3.93	20.96	20.67	20.46	25.47	30.00
2447MHz	Pass	3.93	20.96	20.65	20.51	25.48	30.00
2452MHz	Pass	3.93	20.07	19.61	19.46	24.49	30.00
2457MHz	Pass	3.93	18.60	18.51	18.13	23.19	30.00
2462MHz	Pass	3.93	15.02	14.96	14.61	19.64	30.00
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	3.93	13.01	13.25	12.80	17.80	30.00
2427MHz	Pass	3.93	13.87	14.11	13.37	18.57	30.00
2432MHz	Pass	3.93	15.46	15.43	15.00	20.07	30.00
2437MHz	Pass	3.93	15.37	15.49	15.16	20.11	30.00
2442MHz	Pass	3.93	14.43	14.65	14.14	19.18	30.00
2447MHz	Pass	3.93	14.66	14.76	14.18	19.31	30.00
2452MHz	Pass	3.93	11.77	12.22	11.65	16.66	30.00

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

Note : Conducted average output power is for reference only

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	-2.60
802.11g_Nss1,(6Mbps)_1TX(Port2)	-5.02
802.11n HT20_Nss1,(MCS0)_3TX	-3.74
802.11n HT40_Nss1,(MCS0)_3TX	-10.54

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-
2412MHz	Pass	3.93		-2.85		-2.85	8.00
2437MHz	Pass	3.93		-2.60		-2.60	8.00
2462MHz	Pass	3.93		-2.75		-2.75	8.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-
2412MHz	Pass	3.93		-7.46		-7.46	8.00
2437MHz	Pass	3.93		-5.02		-5.02	8.00
2462MHz	Pass	3.93		-8.65		-8.65	8.00
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	8.70	-12.10	-9.73	-11.93	-9.20	5.30
2437MHz	Pass	8.70	-4.98	-4.17	-6.62	-3.74	5.30
2462MHz	Pass	8.70	-12.46	-10.45	-12.01	-9.24	5.30
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	8.70	-17.09	-12.12	-17.56	-11.68	5.30
2437MHz	Pass	8.70	-13.91	-10.71	-14.50	-10.54	5.30
2452MHz	Pass	8.70	-17.93	-13.90	-18.03	-13.60	5.30

DG = Directional Gain; RBW=3kHz;

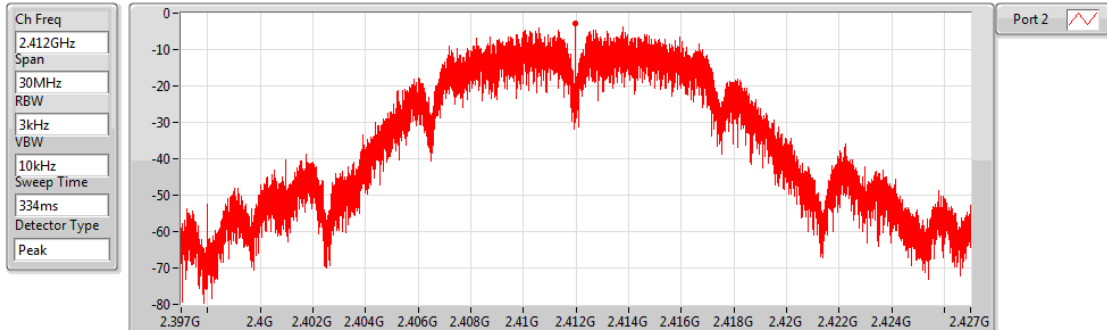
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_1TX(Port2)

PSD

2412MHz

21/12/2018



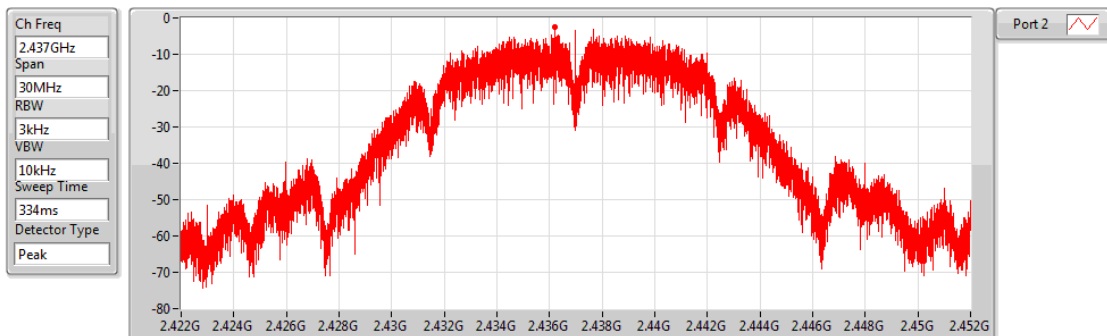
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.85	-2.85		-2.85

802.11b_Nss1,(1Mbps)_1TX(Port2)

PSD

2437MHz

21/12/2018



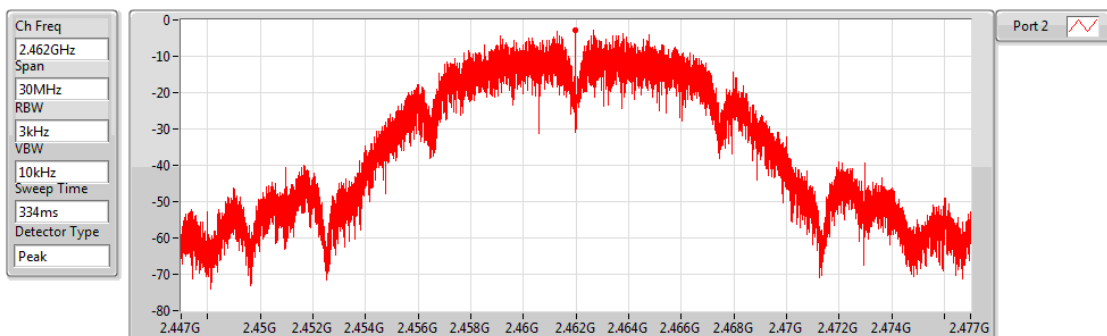
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.60	-2.60		-2.60

802.11b_Nss1,(1Mbps)_1TX(Port2)

PSD

2462MHz

21/12/2018



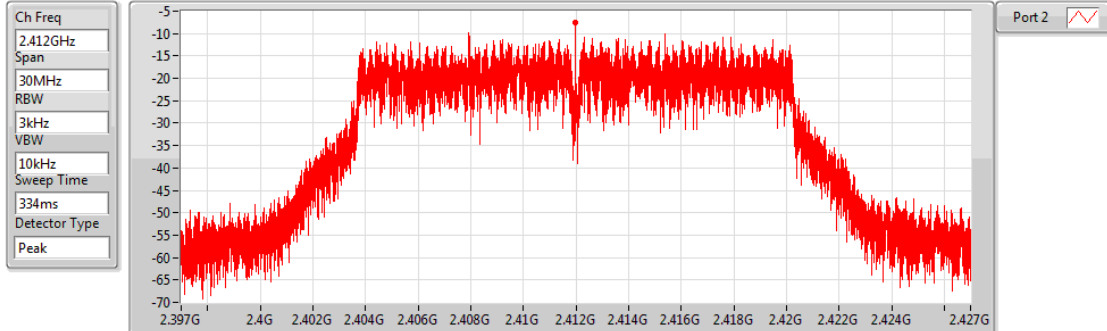
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.75	-2.75		-2.75

802.11g_Nss1,(6Mbps)_1TX(Port2)

PSD

2412MHz

21/12/2018



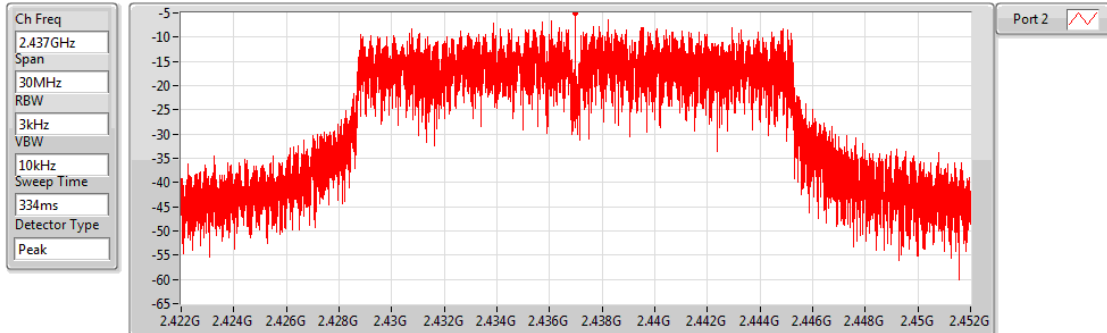
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.46	-7.46		-7.46

802.11g_Nss1,(6Mbps)_1TX(Port2)

PSD

2437MHz

21/12/2018



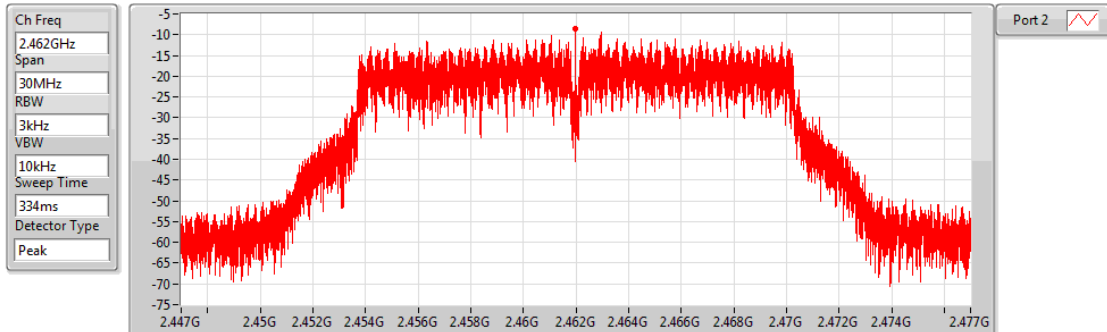
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.02	-5.02		-5.02

802.11g_Nss1,(6Mbps)_1TX(Port2)

PSD

2462MHz

21/12/2018



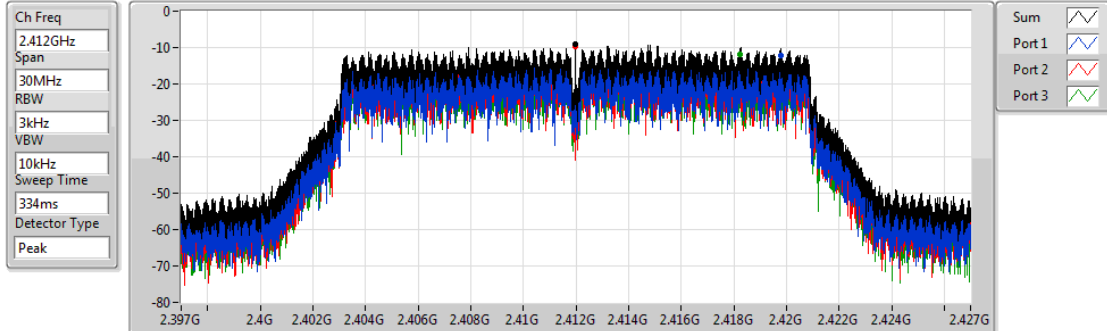
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.65	-8.65		-8.65

802.11n HT20_Nss1,(MCS0)_3TX

PSD

2412MHz

21/12/2018



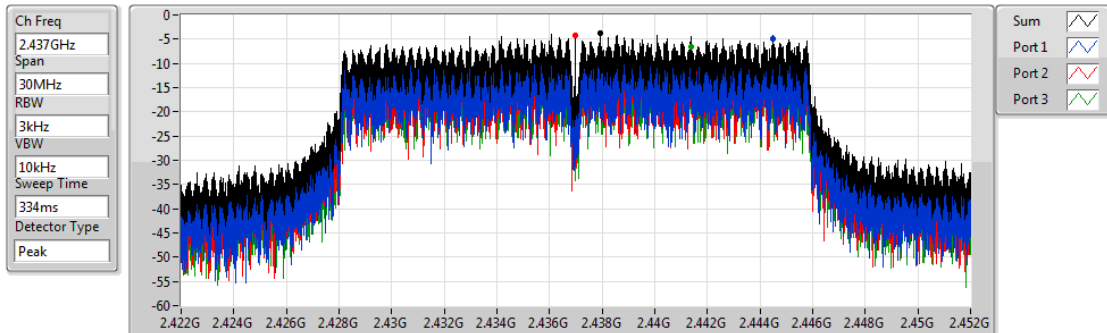
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.20	-9.20	-12.10	-9.73	-11.93

802.11n HT20_Nss1,(MCS0)_3TX

PSD

2437MHz

21/12/2018



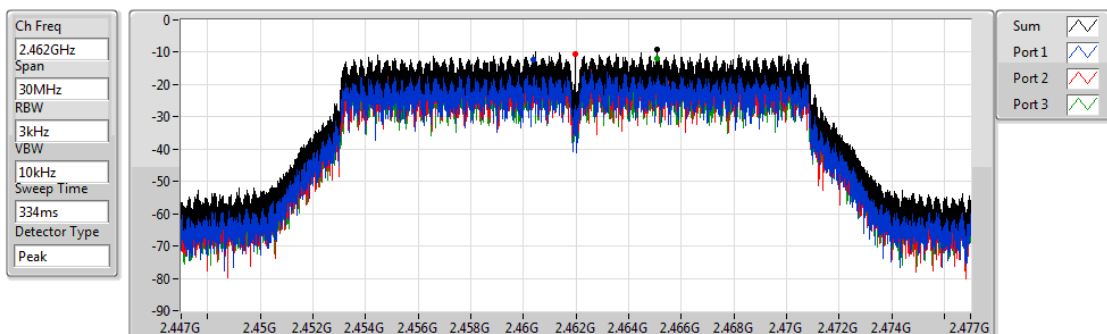
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.74	-3.74	-4.98	-4.17	-6.62

802.11n HT20_Nss1,(MCS0)_3TX

PSD

2462MHz

21/12/2018



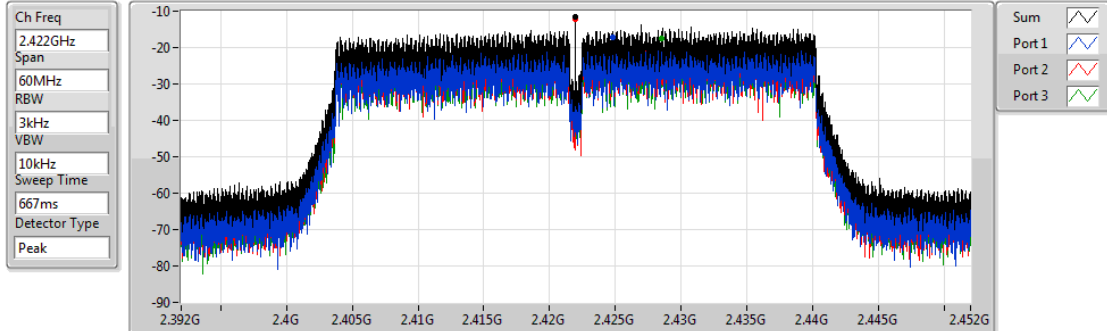
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.24	-9.24	-12.46	-10.45	-12.01

802.11n HT40_Nss1,(MCS0)_3TX

PSD

2422MHz

21/12/2018



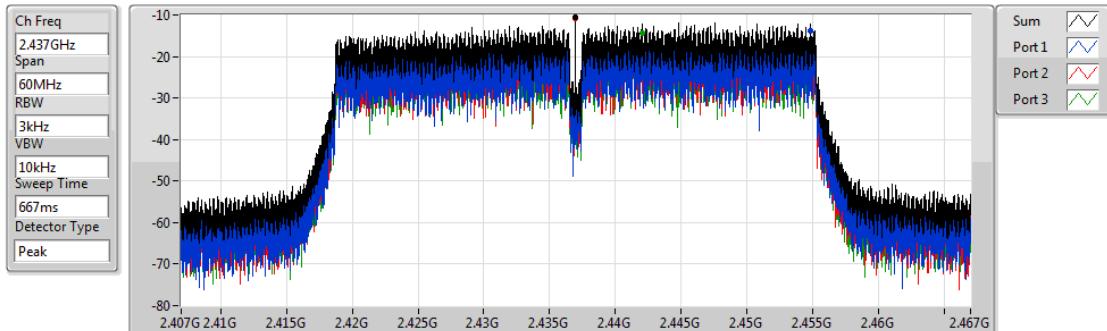
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.68	-11.68	-17.09	-12.12	-17.56

802.11n HT40_Nss1,(MCS0)_3TX

PSD

2437MHz

21/12/2018



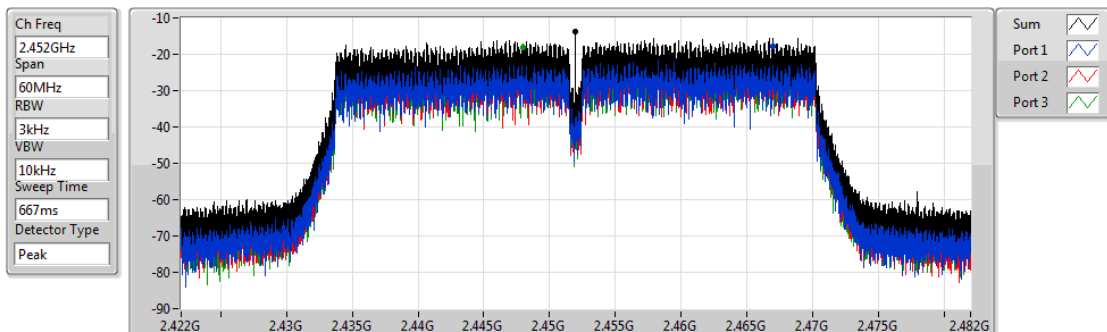
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.54	-10.54	-13.91	-10.71	-14.50

802.11n HT40_Nss1,(MCS0)_3TX

PSD

2452MHz

21/12/2018



Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.60	-13.60	-17.93	-13.90	-18.03

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(Port2)	Pass	2.463G	10.57	-19.43	2.11069G	-53.01	2.399G	-32.45	2.4915G	-45.62	7.23514G	-45.00	2
802.11g_Nss1,(6Mbps)_1TX(Port2)	Pass	2.43833G	5.50	-24.50	2.30932G	-63.88	2.39984G	-30.28	2.4932G	-51.11	15.20306G	-52.24	2
802.11n HT20_Nss1,(MCS0)_3TX	Pass	2.44075G	8.33	-21.67	2.03526G	-60.64	2.39892G	-30.47	2.4932G	-52.84	16.34374G	-52.31	2
802.11n HT40_Nss1,(MCS0)_3TX	Pass	2.43198G	0.55	-29.45	1.82794G	-61.73	2.3996G	-43.02	2.48606G	-47.61	17.59035G	-51.12	2

Result

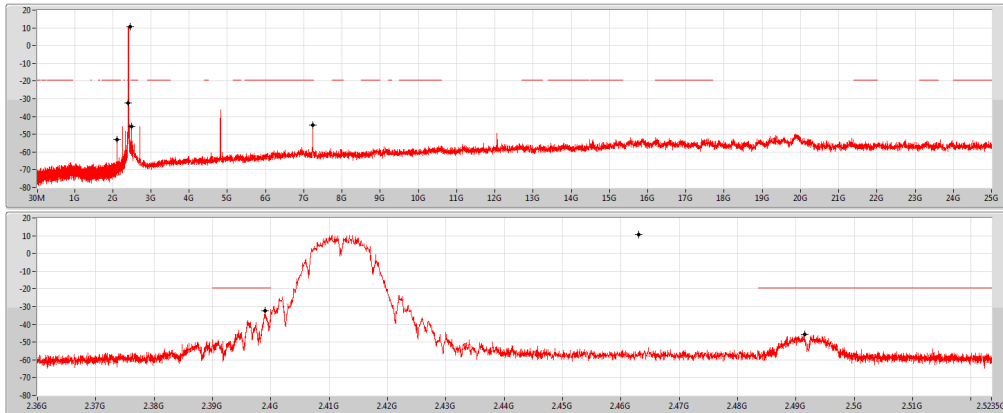
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.463G	10.57	-19.43	2.11069G	-53.01	2.399G	-32.45	2.4915G	-45.62	7.23514G	-45.00	2
2437MHz	Pass	2.463G	10.57	-19.43	2.13253G	-54.80	2.39294G	-53.84	2.51896G	-43.16	16.85508G	-51.08	2
2462MHz	Pass	2.463G	10.57	-19.43	2.30816G	-44.67	2.39814G	-56.81	2.48602G	-48.69	2.54036G	-44.94	2
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43833G	5.50	-24.50	2.30932G	-63.88	2.39984G	-30.28	2.4932G	-51.11	15.20306G	-52.24	2
2437MHz	Pass	2.43833G	5.50	-24.50	2.30728G	-62.27	2.39988G	-46.16	2.5157G	-44.39	2.5235G	-50.78	2
2462MHz	Pass	2.43833G	5.50	-24.50	2.30816G	-44.97	2.39018G	-57.01	2.4836G	-41.37	2.54036G	-51.42	2
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44075G	8.33	-21.67	2.30932G	-64.18	2.39876G	-35.47	2.49796G	-52.46	16.23697G	-51.79	1
2412MHz	Pass	2.44075G	8.33	-21.67	2.03526G	-60.64	2.39892G	-30.47	2.4932G	-52.84	16.34374G	-52.31	2
2412MHz	Pass	2.44075G	8.33	-21.67	2.30175G	-63.80	2.39794G	-37.87	2.49698G	-51.71	15.16934G	-52.01	3
2437MHz	Pass	2.44075G	8.33	-21.67	2.12001G	-63.88	2.39922G	-43.06	2.51948G	-45.19	2.5235G	-48.95	1
2437MHz	Pass	2.44075G	8.33	-21.67	2.30961G	-62.17	2.39828G	-43.22	2.52202G	-46.55	16.20888G	-51.44	2
2437MHz	Pass	2.44075G	8.33	-21.67	2.30787G	-64.30	2.39698G	-44.27	2.5195G	-44.87	2.5235G	-49.91	3
2462MHz	Pass	2.44075G	8.33	-21.67	2.30816G	-51.40	2.39014G	-59.72	2.48444G	-47.73	15.18901G	-52.35	1
2462MHz	Pass	2.44075G	8.33	-21.67	2.30816G	-45.85	2.39024G	-58.18	2.4841G	-46.90	16.20326G	-51.51	2
2462MHz	Pass	2.44075G	8.33	-21.67	2.30816G	-49.13	2.39046G	-59.81	2.48514G	-46.20	16.20607G	-51.10	3
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	0.55	-29.45	2.30054G	-65.00	2.39956G	-44.76	2.49322G	-54.67	16.2105G	-51.92	1
2422MHz	Pass	2.43198G	0.55	-29.45	1.81649G	-59.99	2.39952G	-43.53	2.49946G	-55.27	16.21331G	-51.71	2
2422MHz	Pass	2.43198G	0.55	-29.45	908.22M	-64.16	2.39612G	-43.47	2.5145G	-55.19	17.47816G	-51.28	3
2437MHz	Pass	2.43198G	0.55	-29.45	2.1202G	-63.96	2.39964G	-45.52	2.48442G	-47.20	17.4978G	-52.30	1
2437MHz	Pass	2.43198G	0.55	-29.45	1.82794G	-61.73	2.3996G	-43.02	2.48606G	-47.61	17.59035G	-51.12	2
2437MHz	Pass	2.43198G	0.55	-29.45	2.30025G	-65.59	2.3998G	-45.29	2.48354G	-47.23	15.20366G	-52.19	3
2452MHz	Pass	2.43198G	0.55	-29.45	1.8391G	-64.91	2.39944G	-62.11	2.4845G	-49.63	16.24696G	-51.27	1
2452MHz	Pass	2.43198G	0.55	-29.45	1.8391G	-59.83	2.3902G	-61.79	2.48446G	-48.23	16.61155G	-51.12	2
2452MHz	Pass	2.43198G	0.55	-29.45	919.38M	-63.59	2.39996G	-62.81	2.48758G	-49.53	17.59876G	-51.22	3

802.11b_Nss1,(1Mbps)_1TX(Port2)
2412MHz

CSE NdB

21/12/2018

Port 2



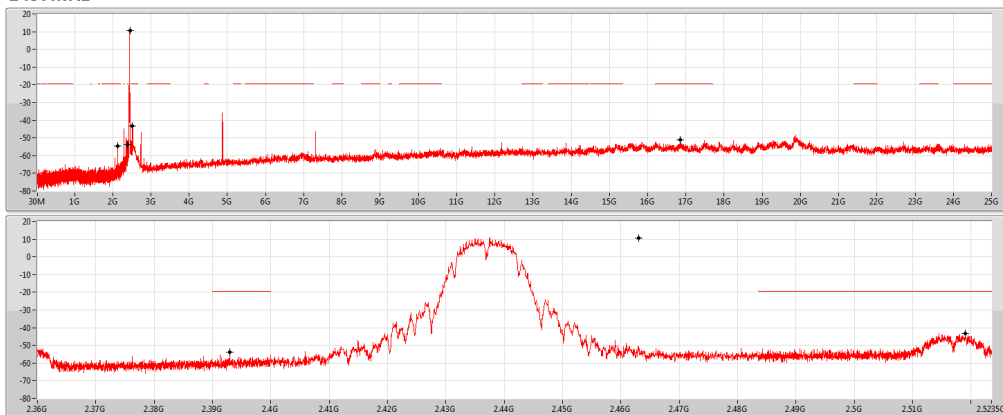
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463G	10.57	-19.43	2.11069G	-53.01	2.399G	-32.45	2.4915G	-45.62	7.23514G	-45.00	2

802.11b_Nss1,(1Mbps)_1TX(Port2)
2437MHz

CSE NdB

21/12/2018

Port 2



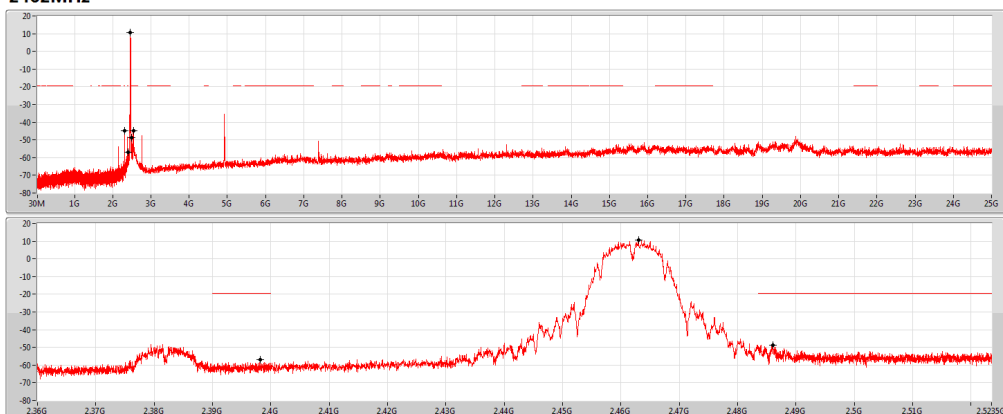
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463G	10.57	-19.43	2.13253G	-54.80	2.39294G	-53.84	2.51896G	-43.16	16.85508G	-51.08	2

802.11b_Nss1,(1Mbps)_1TX(Port2)
2462MHz

CSE NdB

21/12/2018

Port 2



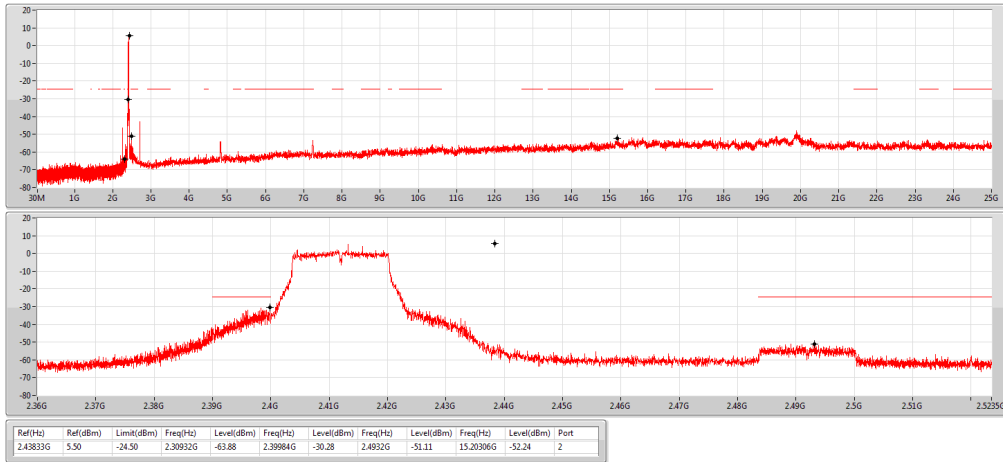
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463G	10.57	-19.43	2.38616G	-44.67	2.38614G	-56.81	2.48602G	-48.69	2.54036G	-44.94	2

802.11g_Nss1,(6Mbps)_1TX(Port2)
2412MHz

CSE NdB

21/12/2018

Port 2



802.11g_Nss1,(6Mbps)_1TX(Port2)
2437MHz

CSE NdB

21/12/2018

Port 2

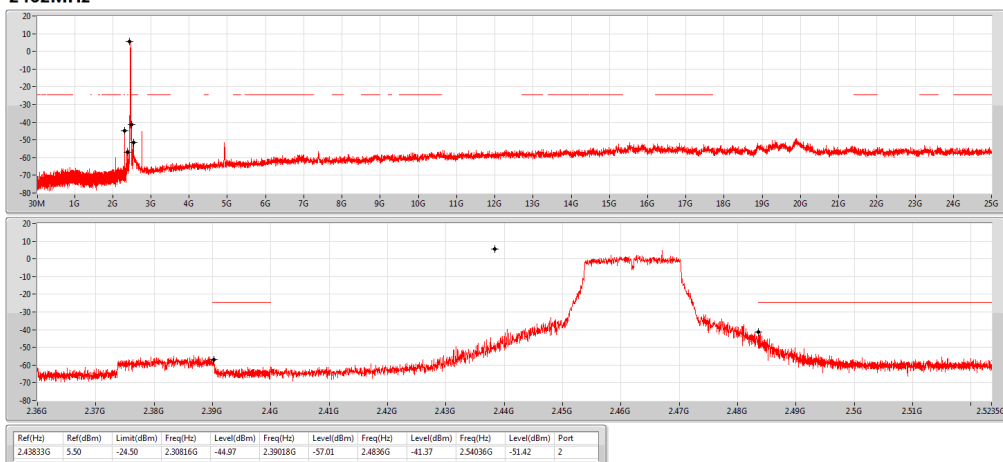


802.11g_Nss1,(6Mbps)_1TX(Port2)
2462MHz

CSE NdB

21/12/2018

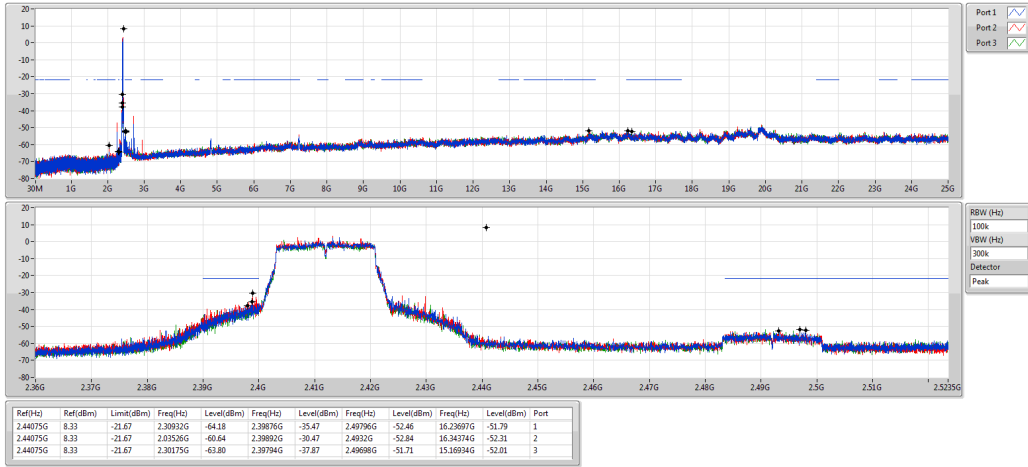
Port 2



802.11n HT20_Nss1,(MCS0)_3TX 2412MHz

CSE NdB

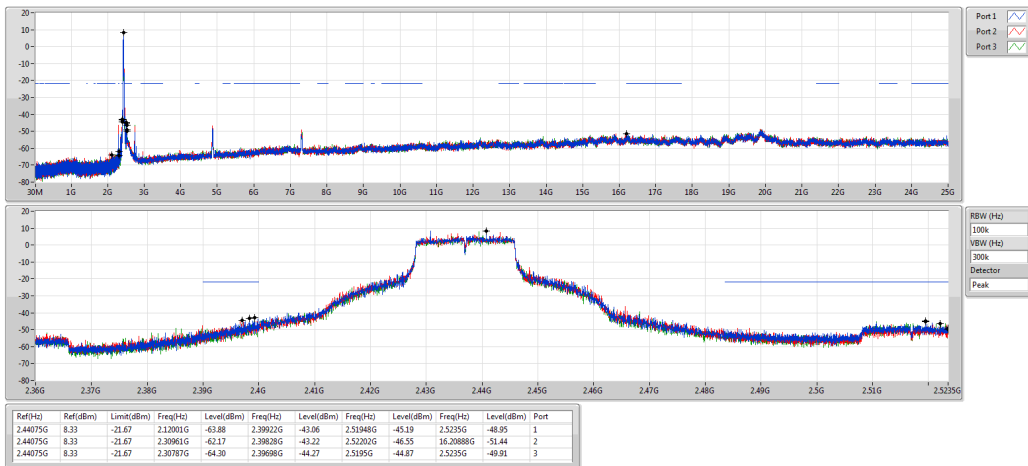
21/12/2018



802.11n HT20_Nss1,(MCS0)_3TX 2437MHz

CSE NdB

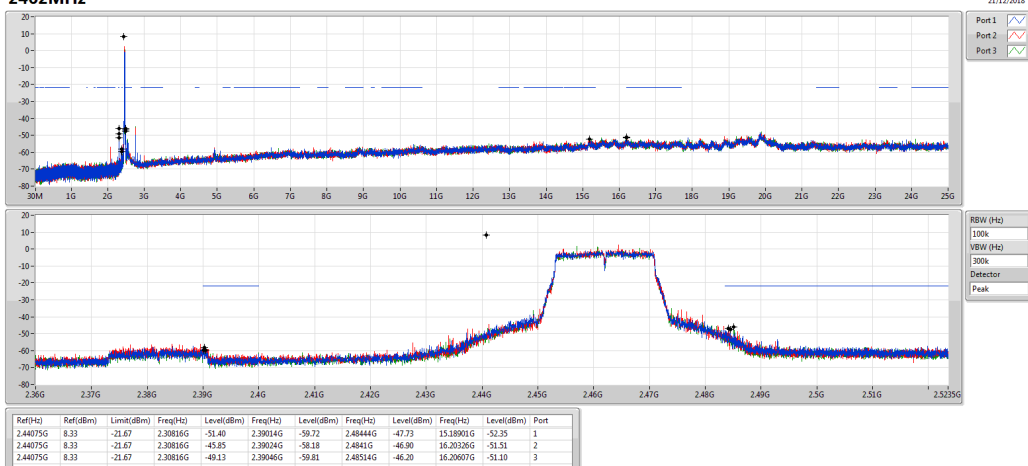
21/12/2018



802.11n HT20_Nss1,(MCS0)_3TX 2462MHz

CSE NdB

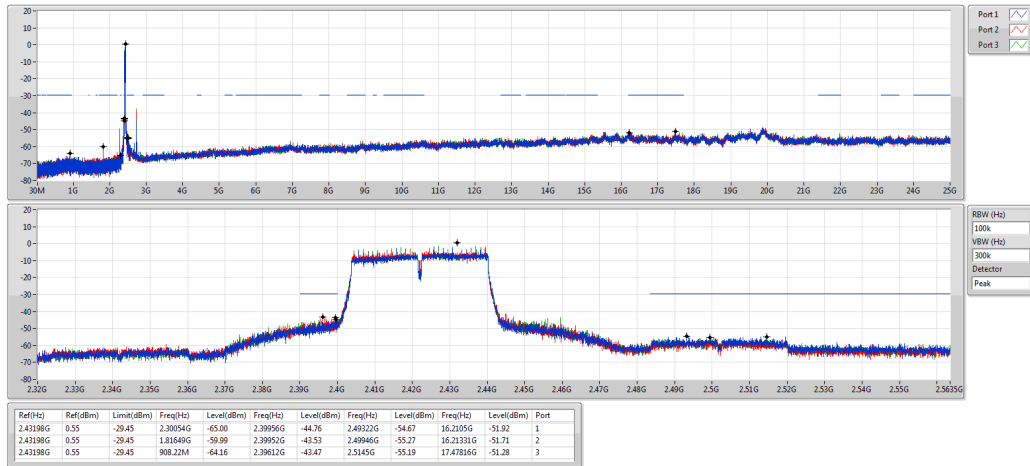
21/12/2018



802.11n HT40_Nss1,(MCS0)_3TX
2422MHz

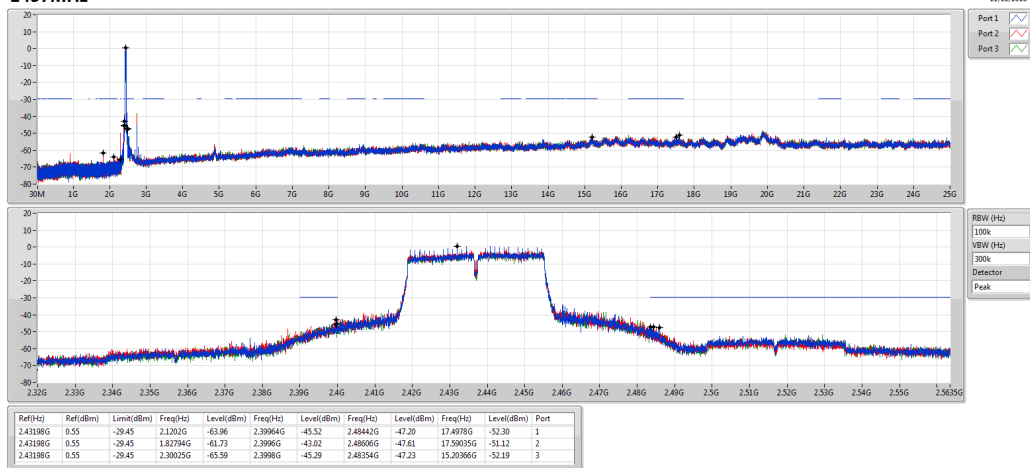
CSE NdB

21/12/2018

802.11n HT40_Nss1,(MCS0)_3TX
2437MHz

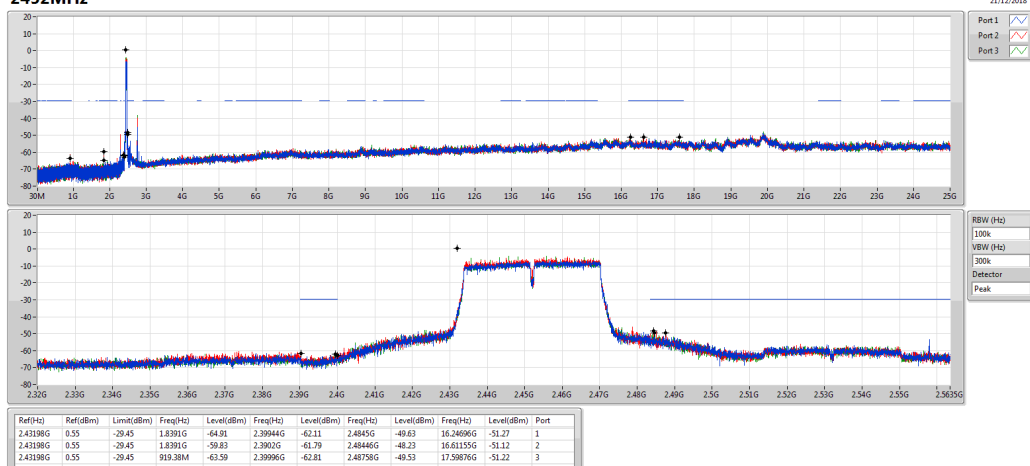
CSE NdB

21/12/2018

802.11n HT40_Nss1,(MCS0)_3TX
2452MHz

CSE NdB

21/12/2018





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)_3TX	Pass	PK	30M	36.01	40.00	-3.99	-2.85	3	Horizontal	0	2.00	-

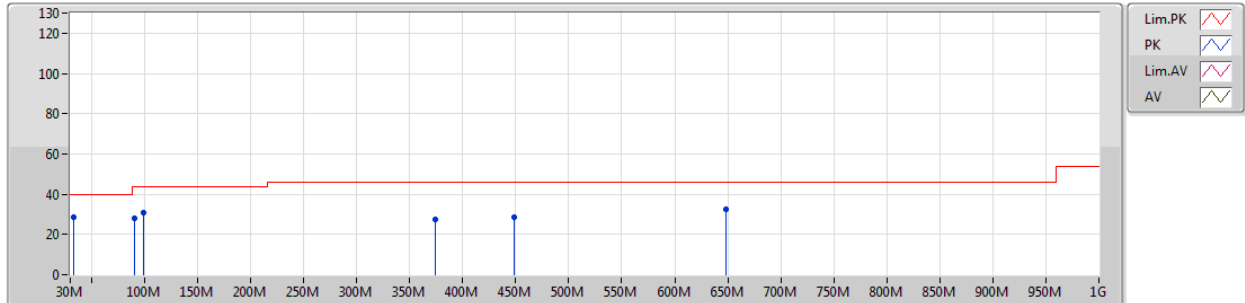
Result

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)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	32.81M	28.71	40.00	-11.29	-4.40	3	Vertical	360	1.00	-
2437MHz	Pass	PK	90.45M	28.00	43.50	-15.50	-11.60	3	Vertical	360	1.00	-
2437MHz	Pass	PK	98.88M	30.58	43.50	-12.92	-9.51	3	Vertical	360	1.00	-
2437MHz	Pass	PK	374.42M	27.21	46.00	-18.79	-4.09	3	Vertical	360	1.00	-
2437MHz	Pass	PK	448.93M	28.43	46.00	-17.57	-2.27	3	Vertical	360	1.00	-
2437MHz	Pass	PK	648.55M	32.32	46.00	-13.68	0.48	3	Vertical	360	1.00	-
2437MHz	Pass	PK	30M	36.01	40.00	-3.99	-2.85	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	198.7M	31.87	43.50	-11.63	-10.00	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	298.51M	34.44	46.00	-11.56	-6.01	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	374.42M	34.17	46.00	-11.83	-4.09	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	398.32M	33.86	46.00	-12.14	-3.45	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	448.93M	35.53	46.00	-10.47	-2.27	3	Horizontal	0	2.00	-

802.11n HT40_Nss1,(MCS0)_3TX

2437MHz_Adapter

23/12/2018

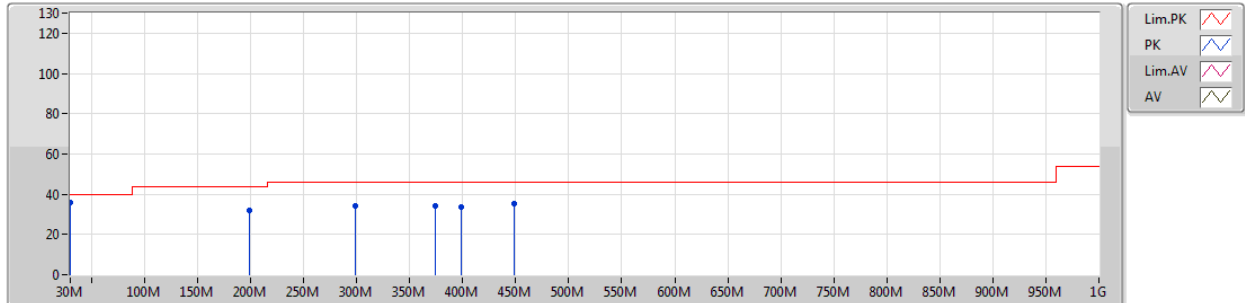


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	32.81M	28.71	40.00	-11.29	-4.40	3	Vertical	360	1.00	-
PK	90.45M	28.00	43.50	-15.50	-11.60	3	Vertical	360	1.00	-
PK	98.88M	30.58	43.50	-12.92	-9.51	3	Vertical	360	1.00	-
PK	374.42M	27.21	46.00	-18.79	-4.09	3	Vertical	360	1.00	-
PK	448.93M	28.43	46.00	-17.57	-2.27	3	Vertical	360	1.00	-
PK	648.55M	32.32	46.00	-13.68	0.48	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_3TX

23/12/2018

2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	30M	36.01	40.00	-3.99	-2.85	3	Horizontal	0	2.00	-
PK	198.7M	31.87	43.50	-11.63	-10.00	3	Horizontal	0	2.00	-
PK	298.51M	34.44	46.00	-11.56	-6.01	3	Horizontal	0	2.00	-
PK	374.42M	34.17	46.00	-11.83	-4.09	3	Horizontal	0	2.00	-
PK	398.32M	33.86	46.00	-12.14	-3.45	3	Horizontal	0	2.00	-
PK	448.93M	35.53	46.00	-10.47	-2.27	3	Horizontal	0	2.00	-

**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(Port2)	Pass	AV	2.4835G	52.23	54.00	-1.77	32.29	3	Horizontal	79	2.75	-
802.11g_Nss1,(6Mbps)_1TX(Port2)	Pass	AV	2.3898G	53.93	54.00	-0.07	32.01	3	Horizontal	57	2.79	-
802.11n HT20_Nss1,(MCS0)_3TX	Pass	AV	2.4846G	53.97	54.00	-0.03	32.29	3	Horizontal	277	2.99	-
802.11n HT40_Nss1,(MCS0)_3TX	Pass	AV	2.39G	53.92	54.00	-0.08	32.01	3	Horizontal	266	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
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.3896G	47.49	54.00	-6.51	32.01	3	Vertical	23	1.28	-
2412MHz_TX	Pass	AV	2.4132G	100.67	Inf	-Inf	32.08	3	Vertical	23	1.28	-
2412MHz_TX	Pass	PK	2.366G	60.08	74.00	-13.92	31.93	3	Vertical	23	1.28	-
2412MHz_TX	Pass	PK	2.4128G	103.30	Inf	-Inf	32.08	3	Vertical	23	1.28	-
2412MHz_TX	Pass	AV	2.39G	51.65	54.00	-2.35	32.01	3	Horizontal	75	1.08	-
2412MHz_TX	Pass	AV	2.4138G	108.20	Inf	-Inf	32.08	3	Horizontal	75	1.08	-
2412MHz_TX	Pass	PK	2.387G	62.88	74.00	-11.12	32.00	3	Horizontal	75	1.08	-
2412MHz_TX	Pass	PK	2.4128G	110.77	Inf	-Inf	32.08	3	Horizontal	75	1.08	-
2412MHz_TX	Pass	AV	4.824G	44.07	54.00	-9.93	3.38	3	Vertical	261	1.01	-
2412MHz_TX	Pass	PK	4.82394G	49.59	74.00	-24.41	3.38	3	Vertical	261	1.01	-
2412MHz_TX	Pass	AV	4.82394G	47.45	54.00	-6.55	3.38	3	Horizontal	183	2.17	-
2412MHz_TX	Pass	PK	4.82394G	51.55	74.00	-22.45	3.38	3	Horizontal	183	2.17	-
2437MHz_TX	Pass	AV	2.3586G	46.96	54.00	-7.04	31.90	3	Vertical	23	2.04	-
2437MHz_TX	Pass	AV	2.4362G	99.20	Inf	-Inf	32.15	3	Vertical	23	2.04	-
2437MHz_TX	Pass	AV	2.499G	47.75	54.00	-6.25	32.34	3	Vertical	23	2.04	-
2437MHz_TX	Pass	PK	2.3426G	58.96	74.00	-15.04	31.84	3	Vertical	23	2.04	-
2437MHz_TX	Pass	PK	2.437G	101.93	Inf	-Inf	32.15	3	Vertical	23	2.04	-
2437MHz_TX	Pass	PK	2.4982G	59.99	74.00	-14.01	32.34	3	Vertical	23	2.04	-
2437MHz_TX	Pass	AV	2.3578G	49.05	54.00	-4.95	31.90	3	Horizontal	36	1.80	-
2437MHz_TX	Pass	AV	2.435G	107.62	Inf	-Inf	32.14	3	Horizontal	36	1.80	-
2437MHz_TX	Pass	AV	2.499G	48.22	54.00	-5.78	32.34	3	Horizontal	36	1.80	-
2437MHz_TX	Pass	PK	2.3538G	59.93	74.00	-14.07	31.88	3	Horizontal	36	1.80	-
2437MHz_TX	Pass	PK	2.437G	110.30	Inf	-Inf	32.15	3	Horizontal	36	1.80	-
2437MHz_TX	Pass	PK	2.497G	59.91	74.00	-14.09	32.33	3	Horizontal	36	1.80	-
2437MHz_TX	Pass	AV	4.87395G	47.69	54.00	-6.31	3.50	3	Vertical	325	1.99	-
2437MHz_TX	Pass	PK	4.87395G	52.15	74.00	-21.85	3.50	3	Vertical	325	1.99	-
2437MHz_TX	Pass	AV	4.87398G	48.41	54.00	-5.59	3.50	3	Horizontal	36	2.74	-
2437MHz_TX	Pass	PK	4.87396G	52.87	74.00	-21.13	3.50	3	Horizontal	36	2.74	-
2462MHz_TX	Pass	AV	2.4632G	99.48	Inf	-Inf	32.23	3	Vertical	25	1.50	-
2462MHz_TX	Pass	AV	2.4835G	48.57	54.00	-5.43	32.29	3	Vertical	25	1.50	-
2462MHz_TX	Pass	PK	2.462G	102.23	Inf	-Inf	32.23	3	Vertical	25	1.50	-
2462MHz_TX	Pass	PK	2.4884G	60.10	74.00	-13.90	32.30	3	Vertical	25	1.50	-
2462MHz_TX	Pass	AV	2.4602G	109.05	Inf	-Inf	32.22	3	Horizontal	79	2.75	-
2462MHz_TX	Pass	AV	2.4835G	52.23	54.00	-1.77	32.29	3	Horizontal	79	2.75	-
2462MHz_TX	Pass	PK	2.462G	111.81	Inf	-Inf	32.23	3	Horizontal	79	2.75	-
2462MHz_TX	Pass	PK	2.4838G	63.38	74.00	-10.62	32.29	3	Horizontal	79	2.75	-
2462MHz_TX	Pass	AV	4.92396G	47.60	54.00	-6.40	3.62	3	Vertical	331	1.82	-
2462MHz_TX	Pass	PK	4.92399G	52.66	74.00	-21.34	3.62	3	Vertical	331	1.82	-
2462MHz_TX	Pass	AV	4.92398G	46.24	54.00	-7.76	3.62	3	Horizontal	36	2.68	-
2462MHz_TX	Pass	PK	4.92417G	51.67	74.00	-22.33	3.62	3	Horizontal	36	2.68	-
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.3898G	48.54	54.00	-5.46	32.01	3	Vertical	23	1.28	-
2412MHz_TX	Pass	AV	2.4128G	93.23	Inf	-Inf	32.08	3	Vertical	23	1.28	-
2412MHz_TX	Pass	PK	2.3898G	61.95	74.00	-12.05	32.01	3	Vertical	23	1.28	-
2412MHz_TX	Pass	PK	2.412G	102.48	Inf	-Inf	32.08	3	Vertical	23	1.28	-
2412MHz_TX	Pass	AV	2.39G	53.51	54.00	-0.49	32.01	3	Horizontal	70	1.20	-
2412MHz_TX	Pass	AV	2.413G	101.25	Inf	-Inf	32.08	3	Horizontal	70	1.20	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz_TX	Pass	PK	2.3898G	72.13	74.00	-1.87	32.01	3	Horizontal	70	1.20	-
2412MHz_TX	Pass	PK	2.412G	110.33	Inf	-Inf	32.08	3	Horizontal	70	1.20	-
2412MHz_TX	Pass	AV	4.81242G	33.79	54.00	-20.21	3.35	3	Vertical	0	1.48	-
2412MHz_TX	Pass	PK	4.81938G	45.62	74.00	-28.38	3.37	3	Vertical	0	1.48	-
2412MHz_TX	Pass	AV	4.82436G	34.80	54.00	-19.20	3.38	3	Horizontal	82	1.01	-
2412MHz_TX	Pass	PK	4.81806G	47.22	74.00	-26.78	3.37	3	Horizontal	82	1.01	-
2417MHz_TX	Pass	AV	2.39G	51.86	54.00	-2.14	32.01	3	Vertical	161	1.05	-
2417MHz_TX	Pass	AV	2.4182G	97.50	Inf	-Inf	32.09	3	Vertical	161	1.05	-
2417MHz_TX	Pass	PK	2.39G	64.46	74.00	-9.54	32.01	3	Vertical	161	1.05	-
2417MHz_TX	Pass	PK	2.417G	106.04	Inf	-Inf	32.09	3	Vertical	161	1.05	-
2417MHz_TX	Pass	AV	2.3898G	53.93	54.00	-0.07	32.01	3	Horizontal	57	2.79	-
2417MHz_TX	Pass	AV	2.4234G	103.26	Inf	-Inf	32.11	3	Horizontal	57	2.79	-
2417MHz_TX	Pass	PK	2.39G	66.89	74.00	-7.11	32.01	3	Horizontal	57	2.79	-
2417MHz_TX	Pass	PK	2.417G	111.90	Inf	-Inf	32.09	3	Horizontal	57	2.79	-
2422MHz_TX	Pass	AV	2.3898G	51.86	54.00	-2.14	32.01	3	Vertical	161	1.04	-
2422MHz_TX	Pass	AV	2.423G	99.37	Inf	-Inf	32.11	3	Vertical	161	1.04	-
2422MHz_TX	Pass	PK	2.3898G	65.71	74.00	-8.29	32.01	3	Vertical	161	1.04	-
2422MHz_TX	Pass	PK	2.422G	108.23	Inf	-Inf	32.10	3	Vertical	161	1.04	-
2422MHz_TX	Pass	AV	2.39G	53.93	54.00	-0.07	32.01	3	Horizontal	56	2.79	-
2422MHz_TX	Pass	AV	2.423G	104.97	Inf	-Inf	32.11	3	Horizontal	56	2.79	-
2422MHz_TX	Pass	PK	2.39G	67.95	74.00	-6.05	32.01	3	Horizontal	56	2.79	-
2422MHz_TX	Pass	PK	2.422G	113.79	Inf	-Inf	32.10	3	Horizontal	56	2.79	-
2437MHz_TX	Pass	AV	2.3494G	47.45	54.00	-6.55	31.87	3	Vertical	26	1.44	-
2437MHz_TX	Pass	AV	2.4378G	95.84	Inf	-Inf	32.15	3	Vertical	26	1.44	-
2437MHz_TX	Pass	AV	2.4974G	48.43	54.00	-5.57	32.33	3	Vertical	26	1.44	-
2437MHz_TX	Pass	PK	2.3498G	58.88	74.00	-15.12	31.87	3	Vertical	26	1.44	-
2437MHz_TX	Pass	PK	2.437G	104.65	Inf	-Inf	32.15	3	Vertical	26	1.44	-
2437MHz_TX	Pass	PK	2.485G	59.42	74.00	-14.58	32.29	3	Vertical	26	1.44	-
2437MHz_TX	Pass	AV	2.3558G	49.41	54.00	-4.59	31.89	3	Horizontal	75	1.00	-
2437MHz_TX	Pass	AV	2.4362G	104.88	Inf	-Inf	32.15	3	Horizontal	75	1.00	-
2437MHz_TX	Pass	AV	2.4835G	49.97	54.00	-4.03	32.29	3	Horizontal	75	1.00	-
2437MHz_TX	Pass	PK	2.3898G	63.90	74.00	-10.10	32.01	3	Horizontal	75	1.00	-
2437MHz_TX	Pass	PK	2.437G	114.02	Inf	-Inf	32.15	3	Horizontal	75	1.00	-
2437MHz_TX	Pass	PK	2.4854G	63.66	74.00	-10.34	32.29	3	Horizontal	75	1.00	-
2437MHz_TX	Pass	AV	4.8725G	36.63	54.00	-17.37	3.50	3	Vertical	147	2.88	-
2437MHz_TX	Pass	PK	4.8728G	49.45	74.00	-24.55	3.50	3	Vertical	147	2.88	-
2437MHz_TX	Pass	AV	4.872G	36.68	54.00	-17.32	3.50	3	Horizontal	62	2.86	-
2437MHz_TX	Pass	PK	4.8723G	49.12	74.00	-24.88	3.50	3	Horizontal	62	2.86	-
2447MHz_TX	Pass	AV	2.448G	100.16	Inf	-Inf	32.19	3	Vertical	161	1.02	-
2447MHz_TX	Pass	AV	2.4835G	50.59	54.00	-3.41	32.29	3	Vertical	161	1.02	-
2447MHz_TX	Pass	PK	2.447G	108.95	Inf	-Inf	32.18	3	Vertical	161	1.02	-
2447MHz_TX	Pass	PK	2.486G	62.95	74.00	-11.05	32.30	3	Vertical	161	1.02	-
2447MHz_TX	Pass	AV	2.4534G	104.61	Inf	-Inf	32.20	3	Horizontal	59	2.74	-
2447MHz_TX	Pass	AV	2.4835G	53.20	54.00	-0.80	32.29	3	Horizontal	59	2.74	-
2447MHz_TX	Pass	PK	2.447G	112.93	Inf	-Inf	32.18	3	Horizontal	59	2.74	-
2447MHz_TX	Pass	PK	2.4862G	65.52	74.00	-8.48	32.30	3	Horizontal	59	2.74	-
2452MHz_TX	Pass	AV	2.4512G	99.35	Inf	-Inf	32.19	3	Vertical	162	1.02	-
2452MHz_TX	Pass	AV	2.4835G	50.81	54.00	-3.19	32.29	3	Vertical	162	1.02	-
2452MHz_TX	Pass	PK	2.452G	108.15	Inf	-Inf	32.19	3	Vertical	162	1.02	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz_TX	Pass	PK	2.4854G	62.74	74.00	-11.26	32.29	3	Vertical	162	1.02	-
2452MHz_TX	Pass	AV	2.4586G	102.80	Inf	-Inf	32.22	3	Horizontal	61	2.99	-
2452MHz_TX	Pass	AV	2.4836G	53.67	54.00	-0.33	32.29	3	Horizontal	61	2.99	-
2452MHz_TX	Pass	PK	2.452G	111.41	Inf	-Inf	32.19	3	Horizontal	61	2.99	-
2452MHz_TX	Pass	PK	2.486G	67.21	74.00	-6.79	32.30	3	Horizontal	61	2.99	-
2457MHz_TX	Pass	AV	2.4562G	97.51	Inf	-Inf	32.20	3	Vertical	163	1.01	-
2457MHz_TX	Pass	AV	2.4836G	50.81	54.00	-3.19	32.29	3	Vertical	163	1.01	-
2457MHz_TX	Pass	PK	2.457G	106.20	Inf	-Inf	32.21	3	Vertical	163	1.01	-
2457MHz_TX	Pass	PK	2.4898G	62.86	74.00	-11.14	32.31	3	Vertical	163	1.01	-
2457MHz_TX	Pass	AV	2.458G	101.82	Inf	-Inf	32.21	3	Horizontal	63	2.99	-
2457MHz_TX	Pass	AV	2.4835G	53.82	54.00	-0.18	32.29	3	Horizontal	63	2.99	-
2457MHz_TX	Pass	PK	2.457G	110.48	Inf	-Inf	32.21	3	Horizontal	63	2.99	-
2457MHz_TX	Pass	PK	2.4896G	66.84	74.00	-7.16	32.31	3	Horizontal	63	2.99	-
2462MHz_TX	Pass	AV	2.4694G	98.83	Inf	-Inf	32.25	3	Vertical	137	2.99	-
2462MHz_TX	Pass	AV	2.4835G	53.55	54.00	-0.45	32.29	3	Vertical	137	2.99	-
2462MHz_TX	Pass	PK	2.4686G	107.77	Inf	-Inf	32.24	3	Vertical	137	2.99	-
2462MHz_TX	Pass	PK	2.4835G	72.27	74.00	-1.73	32.29	3	Vertical	137	2.99	-
2462MHz_TX	Pass	AV	2.461G	101.50	Inf	-Inf	32.23	3	Horizontal	79	2.74	-
2462MHz_TX	Pass	AV	2.4835G	53.91	54.00	-0.09	32.29	3	Horizontal	79	2.74	-
2462MHz_TX	Pass	PK	2.462G	110.58	Inf	-Inf	32.23	3	Horizontal	79	2.74	-
2462MHz_TX	Pass	PK	2.4835G	71.58	74.00	-2.42	32.29	3	Horizontal	79	2.74	-
2462MHz_TX	Pass	AV	4.9276G	34.36	54.00	-19.64	3.64	3	Vertical	336	2.25	-
2462MHz_TX	Pass	PK	4.92256G	45.92	74.00	-28.08	3.62	3	Vertical	336	2.25	-
2462MHz_TX	Pass	AV	4.92556G	34.40	54.00	-19.60	3.64	3	Horizontal	143	1.02	-
2462MHz_TX	Pass	PK	4.92412G	45.83	74.00	-28.17	3.62	3	Horizontal	143	1.02	-
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.3896G	49.29	54.00	-4.71	32.01	3	Vertical	212	1.24	-
2412MHz_TX	Pass	AV	2.4102G	96.63	Inf	-Inf	32.07	3	Vertical	212	1.24	-
2412MHz_TX	Pass	PK	2.3892G	63.61	74.00	-10.39	32.00	3	Vertical	212	1.24	-
2412MHz_TX	Pass	PK	2.4102G	104.52	Inf	-Inf	32.07	3	Vertical	212	1.24	-
2412MHz_TX	Pass	AV	2.3898G	53.73	54.00	-0.27	32.01	3	Horizontal	270	1.06	-
2412MHz_TX	Pass	AV	2.4148G	103.95	Inf	-Inf	32.09	3	Horizontal	270	1.06	-
2412MHz_TX	Pass	PK	2.3898G	69.02	74.00	-4.98	32.01	3	Horizontal	270	1.06	-
2412MHz_TX	Pass	PK	2.42G	112.34	Inf	-Inf	32.10	3	Horizontal	270	1.06	-
2412MHz_TX	Pass	AV	4.82088G	34.10	54.00	-19.90	3.38	3	Vertical	169	2.65	-
2412MHz_TX	Pass	PK	4.80918G	46.10	74.00	-27.90	3.35	3	Vertical	169	2.65	-
2412MHz_TX	Pass	AV	4.82712G	34.76	54.00	-19.24	3.40	3	Horizontal	322	2.87	-
2412MHz_TX	Pass	PK	4.82244G	46.59	74.00	-27.41	3.38	3	Horizontal	322	2.87	-
2417MHz_TX	Pass	AV	2.39G	50.41	54.00	-3.59	32.01	3	Vertical	27	2.99	-
2417MHz_TX	Pass	AV	2.4176G	102.04	Inf	-Inf	32.09	3	Vertical	27	2.99	-
2417MHz_TX	Pass	PK	2.3896G	63.30	74.00	-10.70	32.01	3	Vertical	27	2.99	-
2417MHz_TX	Pass	PK	2.4222G	109.80	Inf	-Inf	32.10	3	Vertical	27	2.99	-
2417MHz_TX	Pass	AV	2.3896G	53.52	54.00	-0.48	32.01	3	Horizontal	266	2.73	-
2417MHz_TX	Pass	AV	2.4198G	105.32	Inf	-Inf	32.10	3	Horizontal	266	2.73	-
2417MHz_TX	Pass	PK	2.39G	67.85	74.00	-6.15	32.01	3	Horizontal	266	2.73	-
2417MHz_TX	Pass	PK	2.4196G	113.71	Inf	-Inf	32.10	3	Horizontal	266	2.73	-
2422MHz_TX	Pass	AV	2.388G	50.18	54.00	-3.82	32.00	3	Vertical	26	2.99	-
2422MHz_TX	Pass	AV	2.4228G	103.84	Inf	-Inf	32.10	3	Vertical	26	2.99	-
2422MHz_TX	Pass	PK	2.3874G	63.44	74.00	-10.56	32.00	3	Vertical	26	2.99	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz_TX	Pass	PK	2.4226G	111.53	Inf	-Inf	32.10	3	Vertical	26	2.99	-
2422MHz_TX	Pass	AV	2.39G	53.24	54.00	-0.76	32.01	3	Horizontal	265	2.72	-
2422MHz_TX	Pass	AV	2.4198G	106.57	Inf	-Inf	32.10	3	Horizontal	265	2.72	-
2422MHz_TX	Pass	PK	2.3898G	68.80	74.00	-5.20	32.01	3	Horizontal	265	2.72	-
2422MHz_TX	Pass	PK	2.4246G	114.84	Inf	-Inf	32.11	3	Horizontal	265	2.72	-
2427MHz_TX	Pass	AV	2.3898G	49.79	54.00	-4.21	32.01	3	Vertical	98	2.78	-
2427MHz_TX	Pass	AV	2.435G	103.08	Inf	-Inf	32.14	3	Vertical	98	2.78	-
2427MHz_TX	Pass	AV	2.4994G	49.97	54.00	-4.03	32.34	3	Vertical	98	2.78	-
2427MHz_TX	Pass	PK	2.3878G	62.75	74.00	-11.25	32.00	3	Vertical	98	2.78	-
2427MHz_TX	Pass	PK	2.429G	111.74	Inf	-Inf	32.13	3	Vertical	98	2.78	-
2427MHz_TX	Pass	PK	2.4922G	60.51	74.00	-13.49	32.32	3	Vertical	98	2.78	-
2427MHz_TX	Pass	AV	2.3898G	52.95	54.00	-1.05	32.01	3	Horizontal	273	2.72	-
2427MHz_TX	Pass	AV	2.4294G	108.48	Inf	-Inf	32.13	3	Horizontal	273	2.72	-
2427MHz_TX	Pass	AV	2.4998G	52.05	54.00	-1.95	32.34	3	Horizontal	273	2.72	-
2427MHz_TX	Pass	PK	2.389G	66.81	74.00	-7.19	32.00	3	Horizontal	273	2.72	-
2427MHz_TX	Pass	PK	2.4342G	116.43	Inf	-Inf	32.14	3	Horizontal	273	2.72	-
2427MHz_TX	Pass	PK	2.4998G	62.21	74.00	-11.79	32.34	3	Horizontal	273	2.72	-
2432MHz_TX	Pass	AV	2.39G	48.67	54.00	-5.33	32.01	3	Vertical	97	2.77	-
2432MHz_TX	Pass	AV	2.4348G	103.29	Inf	-Inf	32.14	3	Vertical	97	2.77	-
2432MHz_TX	Pass	AV	2.494G	49.23	54.00	-4.77	32.33	3	Vertical	97	2.77	-
2432MHz_TX	Pass	PK	2.3876G	60.94	74.00	-13.06	32.00	3	Vertical	97	2.77	-
2432MHz_TX	Pass	PK	2.434G	112.27	Inf	-Inf	32.14	3	Vertical	97	2.77	-
2432MHz_TX	Pass	PK	2.4932G	60.83	74.00	-13.17	32.32	3	Vertical	97	2.77	-
2432MHz_TX	Pass	AV	2.39G	52.81	54.00	-1.19	32.01	3	Horizontal	268	1.01	-
2432MHz_TX	Pass	AV	2.4348G	107.99	Inf	-Inf	32.14	3	Horizontal	268	1.01	-
2432MHz_TX	Pass	AV	2.486G	50.60	54.00	-3.40	32.30	3	Horizontal	268	1.01	-
2432MHz_TX	Pass	PK	2.3896G	69.62	74.00	-4.38	32.01	3	Horizontal	268	1.01	-
2432MHz_TX	Pass	PK	2.4344G	115.90	Inf	-Inf	32.14	3	Horizontal	268	1.01	-
2432MHz_TX	Pass	PK	2.4948G	61.87	74.00	-12.13	32.33	3	Horizontal	268	1.01	-
2437MHz_TX	Pass	AV	2.3618G	49.04	54.00	-4.96	31.91	3	Vertical	149	2.99	-
2437MHz_TX	Pass	AV	2.4422G	103.65	Inf	-Inf	32.17	3	Vertical	149	2.99	-
2437MHz_TX	Pass	AV	2.4866G	50.53	54.00	-3.47	32.30	3	Vertical	149	2.99	-
2437MHz_TX	Pass	PK	2.3766G	62.96	74.00	-11.04	31.96	3	Vertical	149	2.99	-
2437MHz_TX	Pass	PK	2.4418G	112.29	Inf	-Inf	32.17	3	Vertical	149	2.99	-
2437MHz_TX	Pass	PK	2.4914G	63.58	74.00	-10.42	32.31	3	Vertical	149	2.99	-
2437MHz_TX	Pass	AV	2.3898G	49.47	54.00	-4.53	32.01	3	Horizontal	285	2.99	-
2437MHz_TX	Pass	AV	2.4442G	110.25	Inf	-Inf	32.18	3	Horizontal	285	2.99	-
2437MHz_TX	Pass	AV	2.4838G	51.18	54.00	-2.82	32.29	3	Horizontal	285	2.99	-
2437MHz_TX	Pass	PK	2.3898G	62.90	74.00	-11.10	32.01	3	Horizontal	285	2.99	-
2437MHz_TX	Pass	PK	2.4438G	118.12	Inf	-Inf	32.18	3	Horizontal	285	2.99	-
2437MHz_TX	Pass	PK	2.4838G	63.80	74.00	-10.20	32.29	3	Horizontal	285	2.99	-
2437MHz_TX	Pass	AV	4.87526G	36.40	54.00	-17.60	3.52	3	Vertical	152	1.50	-
2437MHz_TX	Pass	PK	4.88036G	49.65	74.00	-24.35	3.52	3	Vertical	152	1.50	-
2437MHz_TX	Pass	AV	4.87664G	44.51	54.00	-9.49	3.52	3	Horizontal	264	2.60	-
2437MHz_TX	Pass	PK	4.87688G	58.46	74.00	-15.54	3.52	3	Horizontal	264	2.60	-
2447MHz_TX	Pass	AV	2.375G	48.05	54.00	-5.95	31.95	3	Vertical	202	1.02	-
2447MHz_TX	Pass	AV	2.445G	101.08	Inf	-Inf	32.18	3	Vertical	202	1.02	-
2447MHz_TX	Pass	AV	2.4846G	50.59	54.00	-3.41	32.29	3	Vertical	202	1.02	-
2447MHz_TX	Pass	PK	2.3742G	59.28	74.00	-14.72	31.95	3	Vertical	202	1.02	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2447MHz_TX	Pass	PK	2.445G	109.07	Inf	-Inf	32.18	3	Vertical	202	1.02	-
2447MHz_TX	Pass	PK	2.4846G	63.61	74.00	-10.39	32.29	3	Vertical	202	1.02	-
2447MHz_TX	Pass	AV	2.3698G	49.45	54.00	-4.55	31.94	3	Horizontal	258	1.50	-
2447MHz_TX	Pass	AV	2.4454G	107.08	Inf	-Inf	32.18	3	Horizontal	258	1.50	-
2447MHz_TX	Pass	AV	2.4854G	52.70	54.00	-1.30	32.29	3	Horizontal	258	1.50	-
2447MHz_TX	Pass	PK	2.3654G	59.71	74.00	-14.29	31.93	3	Horizontal	258	1.50	-
2447MHz_TX	Pass	PK	2.4454G	114.71	Inf	-Inf	32.18	3	Horizontal	258	1.50	-
2447MHz_TX	Pass	PK	2.4842G	66.98	74.00	-7.02	32.29	3	Horizontal	258	1.50	-
2452MHz_TX	Pass	AV	2.4596G	102.18	Inf	-Inf	32.22	3	Vertical	93	2.71	-
2452MHz_TX	Pass	AV	2.4844G	52.70	54.00	-1.30	32.29	3	Vertical	93	2.71	-
2452MHz_TX	Pass	PK	2.455G	111.29	Inf	-Inf	32.20	3	Vertical	93	2.71	-
2452MHz_TX	Pass	PK	2.485G	69.21	74.00	-4.79	32.29	3	Vertical	93	2.71	-
2452MHz_TX	Pass	AV	2.4542G	109.33	Inf	-Inf	32.20	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	AV	2.4846G	53.97	54.00	-0.03	32.29	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	PK	2.454G	117.47	Inf	-Inf	32.20	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	PK	2.4838G	70.55	74.00	-3.45	32.29	3	Horizontal	277	2.99	-
2457MHz_TX	Pass	AV	2.465G	101.67	Inf	-Inf	32.24	3	Vertical	98	2.99	-
2457MHz_TX	Pass	AV	2.485G	53.52	54.00	-0.48	32.29	3	Vertical	98	2.99	-
2457MHz_TX	Pass	PK	2.4594G	110.22	Inf	-Inf	32.22	3	Vertical	98	2.99	-
2457MHz_TX	Pass	PK	2.4854G	66.88	74.00	-7.12	32.29	3	Vertical	98	2.99	-
2457MHz_TX	Pass	AV	2.4594G	108.04	Inf	-Inf	32.22	3	Horizontal	278	2.99	-
2457MHz_TX	Pass	AV	2.4838G	53.36	54.00	-0.64	32.29	3	Horizontal	278	2.99	-
2457MHz_TX	Pass	PK	2.4594G	116.25	Inf	-Inf	32.22	3	Horizontal	278	2.99	-
2457MHz_TX	Pass	PK	2.484G	66.82	74.00	-7.18	32.29	3	Horizontal	278	2.99	-
2462MHz_TX	Pass	AV	2.467G	100.27	Inf	-Inf	32.24	3	Vertical	149	2.99	-
2462MHz_TX	Pass	AV	2.4848G	50.69	54.00	-3.31	32.29	3	Vertical	149	2.99	-
2462MHz_TX	Pass	PK	2.467G	108.32	Inf	-Inf	32.24	3	Vertical	149	2.99	-
2462MHz_TX	Pass	PK	2.4835G	69.08	74.00	-4.92	32.29	3	Vertical	149	2.99	-
2462MHz_TX	Pass	AV	2.4592G	104.96	Inf	-Inf	32.22	3	Horizontal	286	2.99	-
2462MHz_TX	Pass	AV	2.4835G	53.55	54.00	-0.45	32.29	3	Horizontal	286	2.99	-
2462MHz_TX	Pass	PK	2.459G	113.08	Inf	-Inf	32.22	3	Horizontal	286	2.99	-
2462MHz_TX	Pass	PK	2.4842G	72.75	74.00	-1.25	32.29	3	Horizontal	286	2.99	-
2462MHz_TX	Pass	AV	4.92616G	37.01	54.00	-16.99	3.64	3	Vertical	189	2.99	-
2462MHz_TX	Pass	PK	4.9216G	48.77	74.00	-25.23	3.62	3	Vertical	189	2.99	-
2462MHz_TX	Pass	AV	4.92238G	37.75	54.00	-16.25	3.62	3	Horizontal	264	1.34	-
2462MHz_TX	Pass	PK	4.92028G	50.81	74.00	-23.19	3.62	3	Horizontal	264	1.34	-
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TX	Pass	AV	2.3876G	49.75	54.00	-4.25	32.00	3	Vertical	95	2.76	-
2422MHz_TX	Pass	AV	2.4368G	93.68	Inf	-Inf	32.15	3	Vertical	95	2.76	-
2422MHz_TX	Pass	AV	2.488G	49.68	54.00	-4.32	32.30	3	Vertical	95	2.76	-
2422MHz_TX	Pass	PK	2.386G	60.47	74.00	-13.53	32.00	3	Vertical	95	2.76	-
2422MHz_TX	Pass	PK	2.4332G	102.19	Inf	-Inf	32.14	3	Vertical	95	2.76	-
2422MHz_TX	Pass	PK	2.4864G	59.65	74.00	-14.35	32.30	3	Vertical	95	2.76	-
2422MHz_TX	Pass	AV	2.39G	53.92	54.00	-0.08	32.01	3	Horizontal	266	1.00	-
2422MHz_TX	Pass	AV	2.43G	98.11	Inf	-Inf	32.13	3	Horizontal	266	1.00	-
2422MHz_TX	Pass	AV	2.4952G	50.41	54.00	-3.59	32.33	3	Horizontal	266	1.00	-
2422MHz_TX	Pass	PK	2.39G	65.90	74.00	-8.10	32.01	3	Horizontal	266	1.00	-
2422MHz_TX	Pass	PK	2.4248G	105.74	Inf	-Inf	32.11	3	Horizontal	266	1.00	-
2422MHz_TX	Pass	PK	2.498G	60.60	74.00	-13.40	32.34	3	Horizontal	266	1.00	-

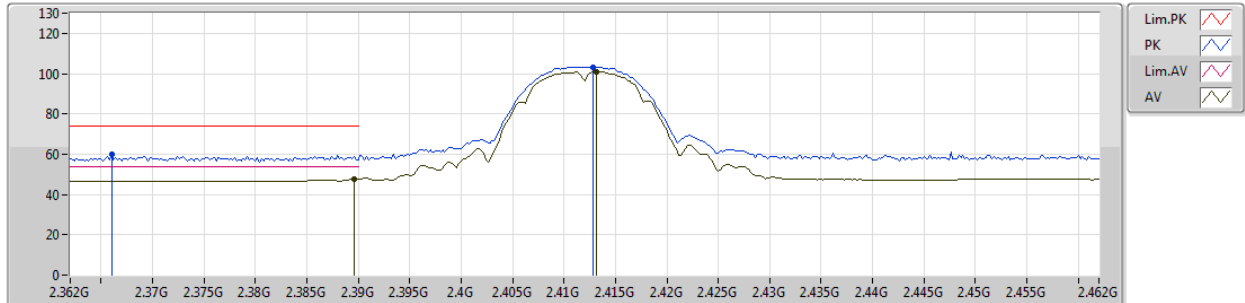
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz_TX	Pass	AV	4.85702G	34.17	54.00	-19.83	3.46	3	Vertical	204	2.86	-
2422MHz_TX	Pass	PK	4.8392G	45.13	74.00	-28.87	3.43	3	Vertical	204	2.86	-
2422MHz_TX	Pass	AV	4.85894G	34.34	54.00	-19.66	3.47	3	Horizontal	90	1.17	-
2422MHz_TX	Pass	PK	4.85114G	46.18	74.00	-27.82	3.45	3	Horizontal	90	1.17	-
2427MHz_TX	Pass	AV	2.3894G	50.39	54.00	-3.61	32.00	3	Vertical	203	1.01	-
2427MHz_TX	Pass	AV	2.4402G	92.52	Inf	-Inf	32.16	3	Vertical	203	1.01	-
2427MHz_TX	Pass	AV	2.499G	49.48	54.00	-4.52	32.34	3	Vertical	203	1.01	-
2427MHz_TX	Pass	PK	2.3898G	60.64	74.00	-13.36	32.01	3	Vertical	203	1.01	-
2427MHz_TX	Pass	PK	2.4402G	100.76	Inf	-Inf	32.16	3	Vertical	203	1.01	-
2427MHz_TX	Pass	PK	2.4954G	59.97	74.00	-14.03	32.33	3	Vertical	203	1.01	-
2427MHz_TX	Pass	AV	2.3898G	53.24	54.00	-0.76	32.01	3	Horizontal	264	1.00	-
2427MHz_TX	Pass	AV	2.4302G	99.08	Inf	-Inf	32.13	3	Horizontal	264	1.00	-
2427MHz_TX	Pass	AV	2.4998G	50.64	54.00	-3.36	32.34	3	Horizontal	264	1.00	-
2427MHz_TX	Pass	PK	2.3898G	64.90	74.00	-9.10	32.01	3	Horizontal	264	1.00	-
2427MHz_TX	Pass	PK	2.435G	107.05	Inf	-Inf	32.14	3	Horizontal	264	1.00	-
2427MHz_TX	Pass	PK	2.4894G	61.25	74.00	-12.75	32.30	3	Horizontal	264	1.00	-
2432MHz_TX	Pass	AV	2.39G	50.60	54.00	-3.40	32.01	3	Vertical	205	1.02	-
2432MHz_TX	Pass	AV	2.4452G	93.38	Inf	-Inf	32.18	3	Vertical	205	1.02	-
2432MHz_TX	Pass	AV	2.484G	49.67	54.00	-4.33	32.29	3	Vertical	205	1.02	-
2432MHz_TX	Pass	PK	2.3896G	61.57	74.00	-12.43	32.01	3	Vertical	205	1.02	-
2432MHz_TX	Pass	PK	2.44G	101.41	Inf	-Inf	32.16	3	Vertical	205	1.02	-
2432MHz_TX	Pass	PK	2.4896G	59.73	74.00	-14.27	32.31	3	Vertical	205	1.02	-
2432MHz_TX	Pass	AV	2.39G	51.85	54.00	-2.15	32.01	3	Horizontal	259	1.50	-
2432MHz_TX	Pass	AV	2.4452G	98.57	Inf	-Inf	32.18	3	Horizontal	259	1.50	-
2432MHz_TX	Pass	AV	2.4996G	50.20	54.00	-3.80	32.34	3	Horizontal	259	1.50	-
2432MHz_TX	Pass	PK	2.39G	62.92	74.00	-11.08	32.01	3	Horizontal	259	1.50	-
2432MHz_TX	Pass	PK	2.4452G	106.32	Inf	-Inf	32.18	3	Horizontal	259	1.50	-
2432MHz_TX	Pass	PK	2.4952G	60.91	74.00	-13.09	32.33	3	Horizontal	259	1.50	-
2437MHz_TX	Pass	AV	2.3898G	49.13	54.00	-4.87	32.01	3	Vertical	202	1.01	-
2437MHz_TX	Pass	AV	2.4402G	93.46	Inf	-Inf	32.16	3	Vertical	202	1.01	-
2437MHz_TX	Pass	AV	2.4846G	50.59	54.00	-3.41	32.29	3	Vertical	202	1.01	-
2437MHz_TX	Pass	PK	2.389G	59.70	74.00	-14.30	32.00	3	Vertical	202	1.01	-
2437MHz_TX	Pass	PK	2.4402G	101.06	Inf	-Inf	32.16	3	Vertical	202	1.01	-
2437MHz_TX	Pass	PK	2.4846G	64.28	74.00	-9.72	32.29	3	Vertical	202	1.01	-
2437MHz_TX	Pass	AV	2.3898G	52.02	54.00	-1.98	32.01	3	Horizontal	266	1.01	-
2437MHz_TX	Pass	AV	2.4398G	100.33	Inf	-Inf	32.16	3	Horizontal	266	1.01	-
2437MHz_TX	Pass	AV	2.4846G	53.66	54.00	-0.34	32.29	3	Horizontal	266	1.01	-
2437MHz_TX	Pass	PK	2.3886G	63.33	74.00	-10.67	32.00	3	Horizontal	266	1.01	-
2437MHz_TX	Pass	PK	2.4446G	108.26	Inf	-Inf	32.18	3	Horizontal	266	1.01	-
2437MHz_TX	Pass	PK	2.485G	68.15	74.00	-5.85	32.29	3	Horizontal	266	1.01	-
2437MHz_TX	Pass	AV	4.88744G	35.12	54.00	-18.88	3.54	3	Vertical	176	2.97	-
2437MHz_TX	Pass	PK	4.88636G	46.34	74.00	-27.66	3.54	3	Vertical	176	2.97	-
2437MHz_TX	Pass	AV	4.88684G	36.07	54.00	-17.93	3.54	3	Horizontal	269	2.92	-
2437MHz_TX	Pass	PK	4.87634G	46.89	74.00	-27.11	3.52	3	Horizontal	269	2.92	-
2442MHz_TX	Pass	AV	2.39G	48.42	54.00	-5.58	32.01	3	Vertical	203	1.04	-
2442MHz_TX	Pass	AV	2.4452G	92.23	Inf	-Inf	32.18	3	Vertical	203	1.04	-
2442MHz_TX	Pass	AV	2.4848G	50.59	54.00	-3.41	32.29	3	Vertical	203	1.04	-
2442MHz_TX	Pass	PK	2.3512G	58.93	74.00	-15.07	31.87	3	Vertical	203	1.04	-
2442MHz_TX	Pass	PK	2.4452G	99.79	Inf	-Inf	32.18	3	Vertical	203	1.04	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2442MHz_TX	Pass	PK	2.4848G	63.57	74.00	-10.43	32.29	3	Vertical	203	1.04	-
2442MHz_TX	Pass	AV	2.3896G	48.66	54.00	-5.34	32.01	3	Horizontal	258	1.49	-
2442MHz_TX	Pass	AV	2.4452G	98.48	Inf	-Inf	32.18	3	Horizontal	258	1.49	-
2442MHz_TX	Pass	AV	2.4852G	53.82	54.00	-0.18	32.29	3	Horizontal	258	1.49	-
2442MHz_TX	Pass	PK	2.3436G	59.69	74.00	-14.31	31.84	3	Horizontal	258	1.49	-
2442MHz_TX	Pass	PK	2.4452G	106.17	Inf	-Inf	32.18	3	Horizontal	258	1.49	-
2442MHz_TX	Pass	PK	2.4848G	69.72	74.00	-4.28	32.29	3	Horizontal	258	1.49	-
2447MHz_TX	Pass	AV	2.3822G	48.33	54.00	-5.67	31.98	3	Vertical	98	2.99	-
2447MHz_TX	Pass	AV	2.465G	94.43	Inf	-Inf	32.24	3	Vertical	98	2.99	-
2447MHz_TX	Pass	AV	2.4846G	53.03	54.00	-0.97	32.29	3	Vertical	98	2.99	-
2447MHz_TX	Pass	PK	2.3702G	59.27	74.00	-14.73	31.94	3	Vertical	98	2.99	-
2447MHz_TX	Pass	PK	2.4582G	102.65	Inf	-Inf	32.21	3	Vertical	98	2.99	-
2447MHz_TX	Pass	PK	2.4878G	66.13	74.00	-7.87	32.30	3	Vertical	98	2.99	-
2447MHz_TX	Pass	AV	2.3494G	48.55	54.00	-5.45	31.87	3	Horizontal	275	2.99	-
2447MHz_TX	Pass	AV	2.4594G	100.43	Inf	-Inf	32.22	3	Horizontal	275	2.99	-
2447MHz_TX	Pass	AV	2.4842G	53.82	54.00	-0.18	32.29	3	Horizontal	275	2.99	-
2447MHz_TX	Pass	PK	2.357G	58.69	74.00	-15.31	31.90	3	Horizontal	275	2.99	-
2447MHz_TX	Pass	PK	2.4594G	108.32	Inf	-Inf	32.22	3	Horizontal	275	2.99	-
2447MHz_TX	Pass	PK	2.4842G	66.98	74.00	-7.02	32.29	3	Horizontal	275	2.99	-
2452MHz_TX	Pass	AV	2.3856G	48.36	54.00	-5.64	32.00	3	Vertical	138	2.99	-
2452MHz_TX	Pass	AV	2.4664G	93.65	Inf	-Inf	32.24	3	Vertical	138	2.99	-
2452MHz_TX	Pass	AV	2.486G	51.62	54.00	-2.38	32.30	3	Vertical	138	2.99	-
2452MHz_TX	Pass	PK	2.3892G	58.75	74.00	-15.25	32.00	3	Vertical	138	2.99	-
2452MHz_TX	Pass	PK	2.4664G	102.01	Inf	-Inf	32.24	3	Vertical	138	2.99	-
2452MHz_TX	Pass	PK	2.492G	64.40	74.00	-9.60	32.32	3	Vertical	138	2.99	-
2452MHz_TX	Pass	AV	2.3596G	48.49	54.00	-5.51	31.90	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	AV	2.4544G	99.54	Inf	-Inf	32.20	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	AV	2.4844G	53.51	54.00	-0.49	32.29	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	PK	2.3812G	58.74	74.00	-15.26	31.97	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	PK	2.4588G	107.56	Inf	-Inf	32.22	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	PK	2.4844G	65.84	74.00	-8.16	32.29	3	Horizontal	277	2.99	-
2452MHz_TX	Pass	AV	4.91618G	35.47	54.00	-18.53	3.61	3	Vertical	126	2.84	-
2452MHz_TX	Pass	PK	4.90418G	46.24	74.00	-27.76	3.58	3	Vertical	126	2.84	-
2452MHz_TX	Pass	AV	4.91264G	35.77	54.00	-18.23	3.60	3	Horizontal	258	2.90	-
2452MHz_TX	Pass	PK	4.9004G	46.68	74.00	-27.32	3.57	3	Horizontal	258	2.90	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

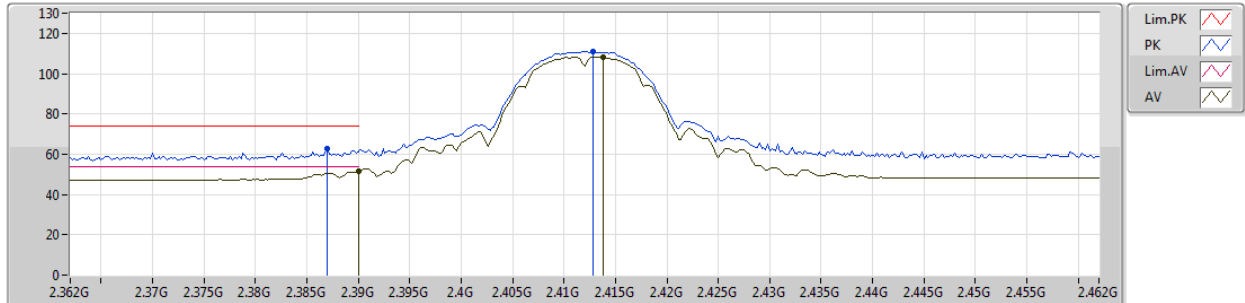


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	47.49	54.00	-6.51	32.01	3	Vertical	23	1.28	-
AV	2.4132G	100.67	Inf	-Inf	32.08	3	Vertical	23	1.28	-
PK	2.366G	60.08	74.00	-13.92	31.93	3	Vertical	23	1.28	-
PK	2.4128G	103.30	Inf	-Inf	32.08	3	Vertical	23	1.28	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

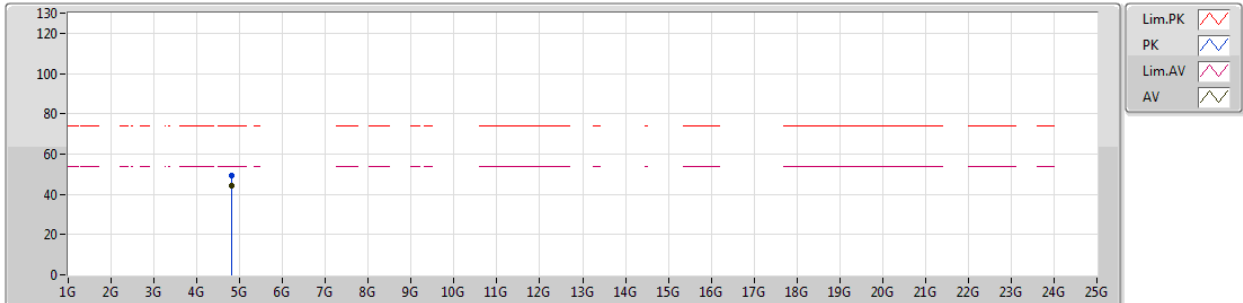


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	51.65	54.00	-2.35	32.01	3	Horizontal	75	1.08	-
AV	2.4138G	108.20	Inf	-Inf	32.08	3	Horizontal	75	1.08	-
PK	2.387G	62.88	74.00	-11.12	32.00	3	Horizontal	75	1.08	-
PK	2.4128G	110.77	Inf	-Inf	32.08	3	Horizontal	75	1.08	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

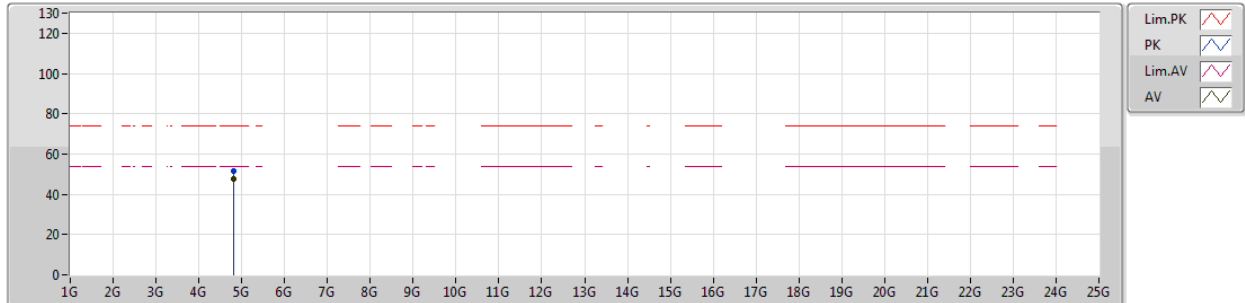


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.824G	44.07	54.00	-9.93	3.38	3	Vertical	261	1.01	-
PK	4.82394G	49.59	74.00	-24.41	3.38	3	Vertical	261	1.01	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

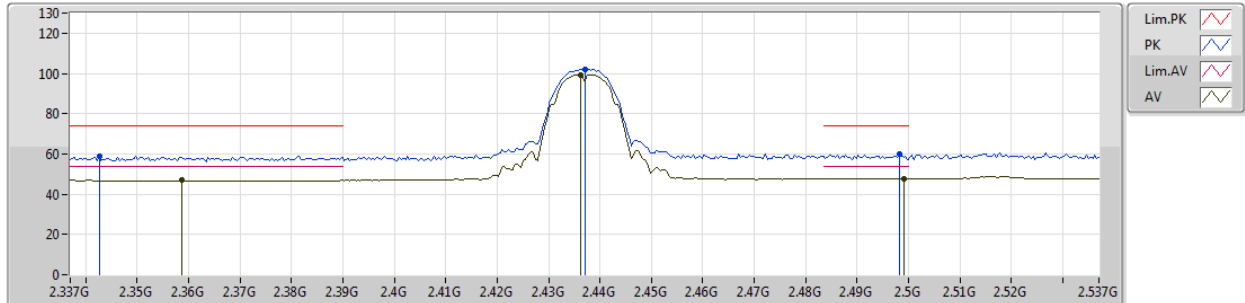


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)		(dB)	(m)		(°)	(m)									
AV	4.82394G	47.45	54.00	-6.55	3.38	3	Horizontal	183	2.17	-								
PK	4.82394G	51.55	74.00	-22.45	3.38	3	Horizontal	183	2.17	-								

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

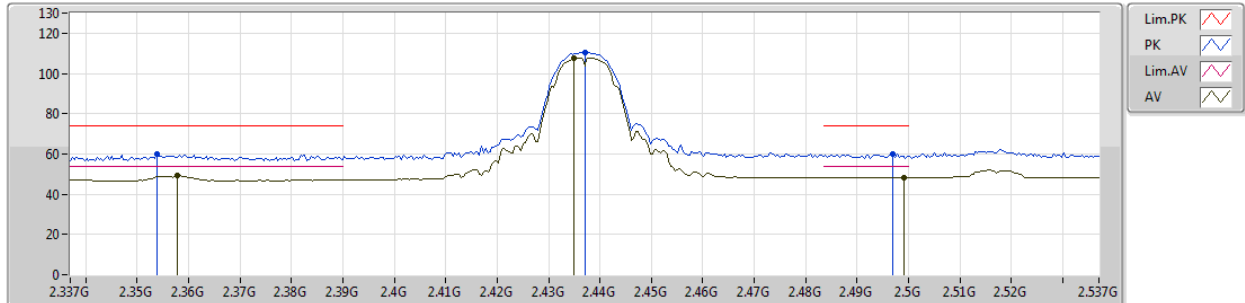


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3586G	46.96	54.00	-7.04	31.90	3	Vertical	23	2.04	-
AV	2.4362G	99.20	Inf	-Inf	32.15	3	Vertical	23	2.04	-
AV	2.499G	47.75	54.00	-6.25	32.34	3	Vertical	23	2.04	-
PK	2.3426G	58.96	74.00	-15.04	31.84	3	Vertical	23	2.04	-
PK	2.437G	101.93	Inf	-Inf	32.15	3	Vertical	23	2.04	-
PK	2.4982G	59.99	74.00	-14.01	32.34	3	Vertical	23	2.04	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

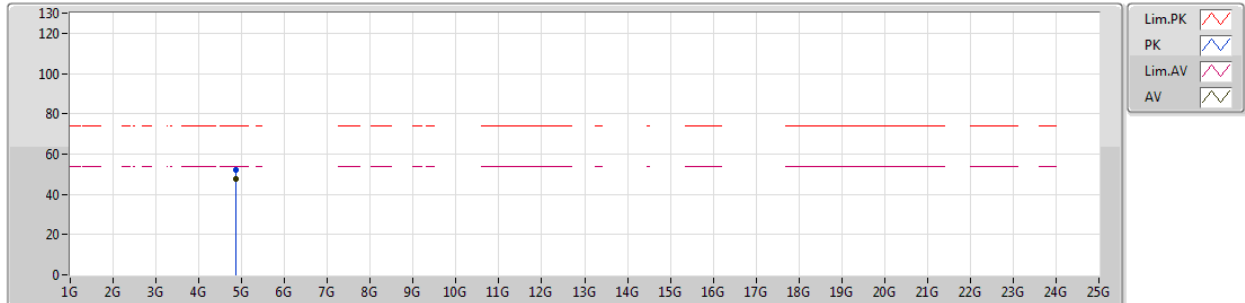


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3578G	49.05	54.00	-4.95	31.90	3	Horizontal	36	1.80	-
AV	2.435G	107.62	Inf	-Inf	32.14	3	Horizontal	36	1.80	-
AV	2.499G	48.22	54.00	-5.78	32.34	3	Horizontal	36	1.80	-
PK	2.3538G	59.93	74.00	-14.07	31.88	3	Horizontal	36	1.80	-
PK	2.437G	110.30	Inf	-Inf	32.15	3	Horizontal	36	1.80	-
PK	2.497G	59.91	74.00	-14.09	32.33	3	Horizontal	36	1.80	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

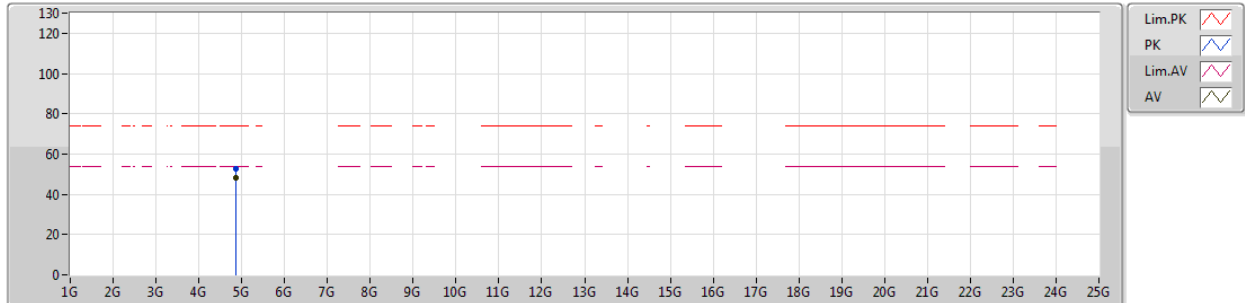


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87395G	47.69	54.00	-6.31	3.50	3	Vertical	325	1.99	-
PK	4.87395G	52.15	74.00	-21.85	3.50	3	Vertical	325	1.99	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

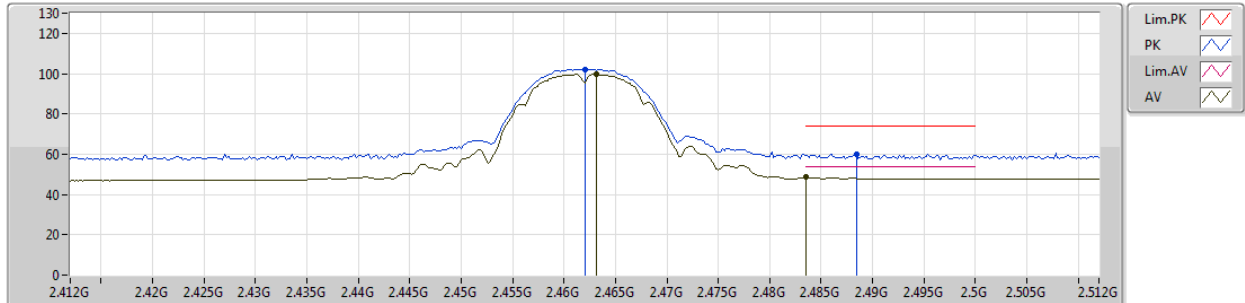


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87398G	48.41	54.00	-5.59	3.50	3	Horizontal	36	2.74	-
PK	4.87396G	52.87	74.00	-21.13	3.50	3	Horizontal	36	2.74	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

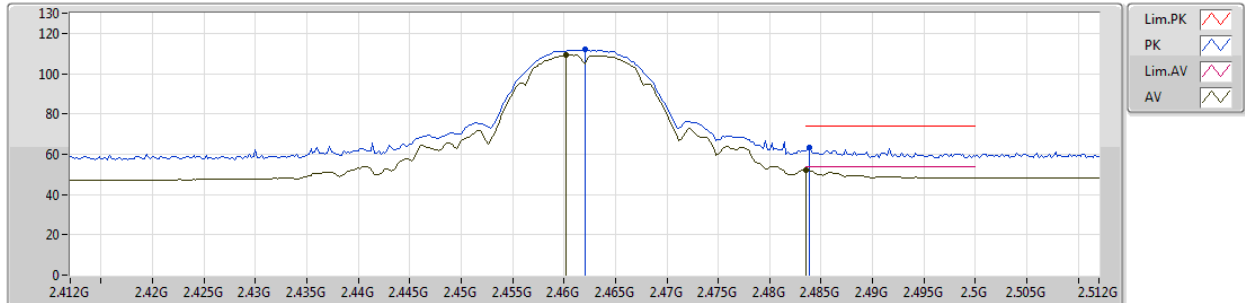


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4632G	99.48	Inf	-Inf	32.23	3	Vertical	25	1.50	-
AV	2.4835G	48.57	54.00	-5.43	32.29	3	Vertical	25	1.50	-
PK	2.462G	102.23	Inf	-Inf	32.23	3	Vertical	25	1.50	-
PK	2.4884G	60.10	74.00	-13.90	32.30	3	Vertical	25	1.50	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

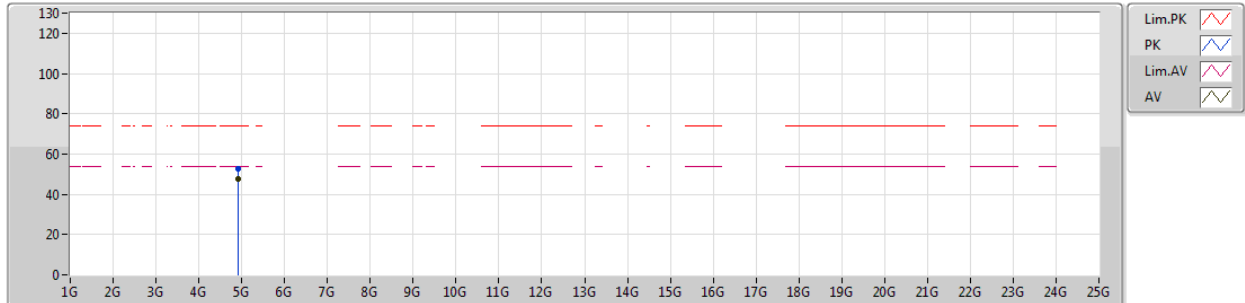


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4602G	109.05	Inf	-Inf	32.22	3	Horizontal	79	2.75	-
AV	2.4835G	52.23	54.00	-1.77	32.29	3	Horizontal	79	2.75	-
PK	2.462G	111.81	Inf	-Inf	32.23	3	Horizontal	79	2.75	-
PK	2.4838G	63.38	74.00	-10.62	32.29	3	Horizontal	79	2.75	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

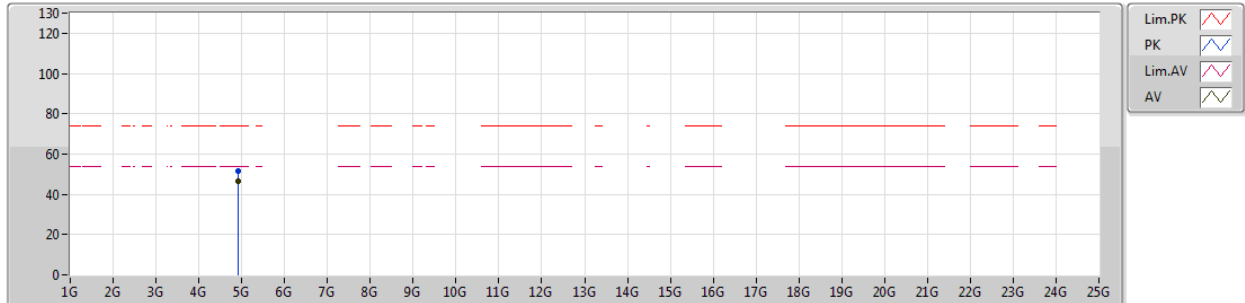


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92396G	47.60	54.00	-6.40	3.62	3	Vertical	331	1.82	-
PK	4.92399G	52.66	74.00	-21.34	3.62	3	Vertical	331	1.82	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

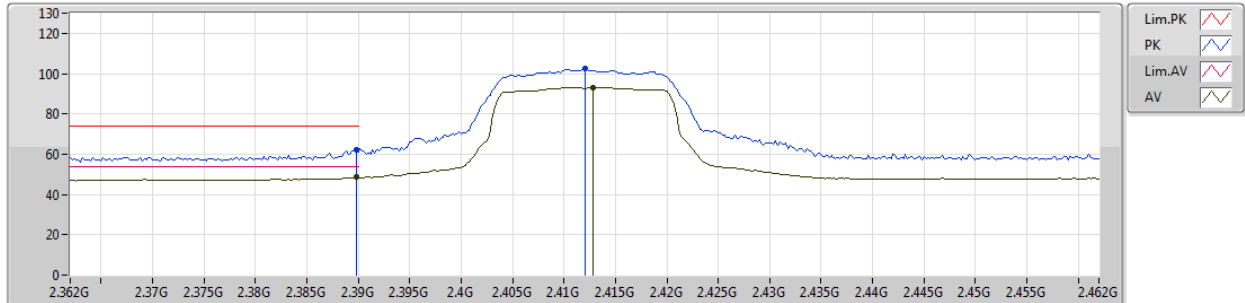


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92398G	46.24	54.00	-7.76	3.62	3	Horizontal	36	2.68	-
PK	4.92417G	51.67	74.00	-22.33	3.62	3	Horizontal	36	2.68	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

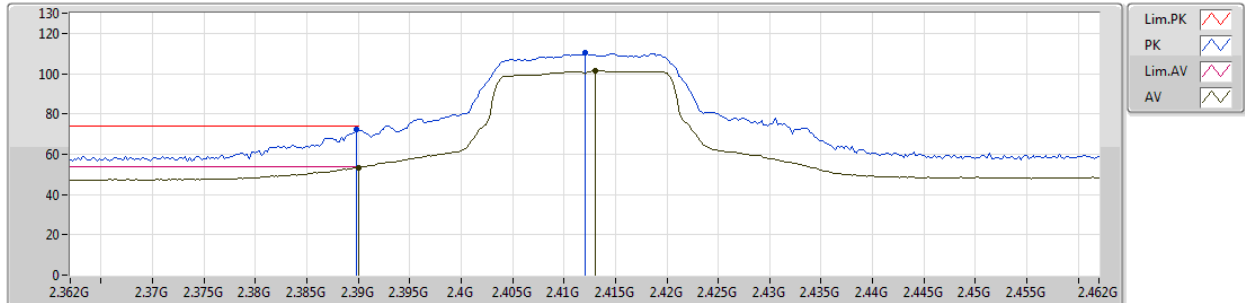


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	48.54	54.00	-5.46	32.01	3	Vertical	23	1.28	-
AV	2.4128G	93.23	Inf	-Inf	32.08	3	Vertical	23	1.28	-
PK	2.3898G	61.95	74.00	-12.05	32.01	3	Vertical	23	1.28	-
PK	2.412G	102.48	Inf	-Inf	32.08	3	Vertical	23	1.28	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

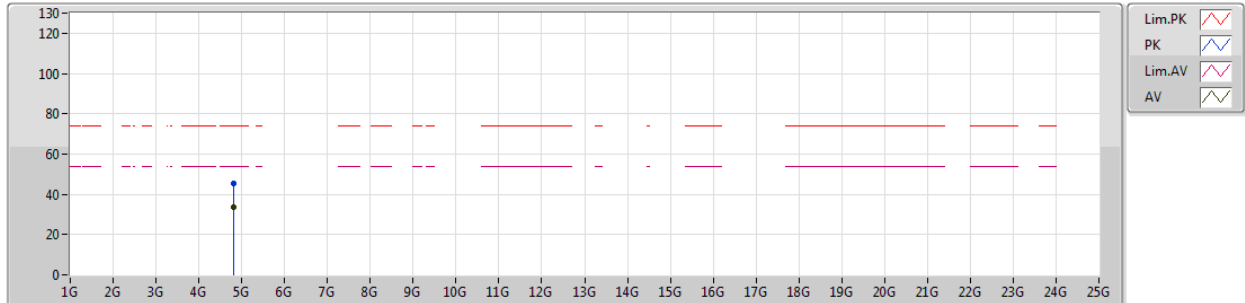


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.51	54.00	-0.49	32.01	3	Horizontal	70	1.20	-
AV	2.413G	101.25	Inf	-Inf	32.08	3	Horizontal	70	1.20	-
PK	2.3898G	72.13	74.00	-1.87	32.01	3	Horizontal	70	1.20	-
PK	2.412G	110.33	Inf	-Inf	32.08	3	Horizontal	70	1.20	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

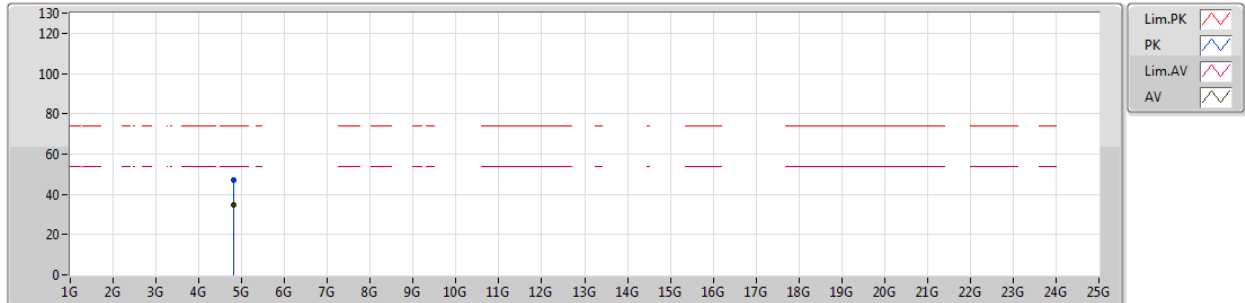


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.81242G	33.79	54.00	-20.21	3.35	3	Vertical	0	1.48	-
PK	4.81938G	45.62	74.00	-28.38	3.37	3	Vertical	0	1.48	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2412MHz_TX

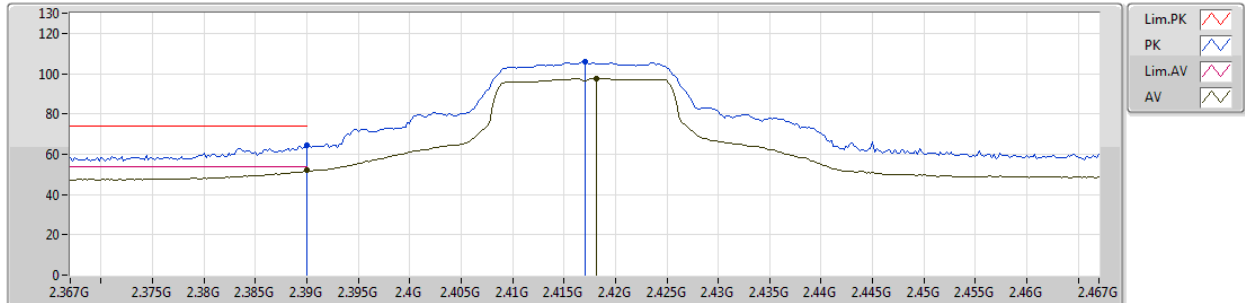


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.82436G	34.80	54.00	-19.20	3.38	3	Horizontal	82	1.01	-
PK	4.81806G	47.22	74.00	-26.78	3.37	3	Horizontal	82	1.01	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2417MHz_TX

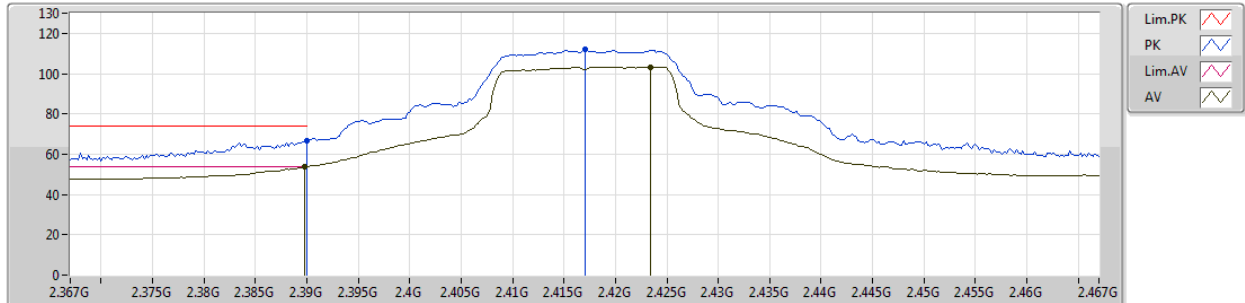


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	51.86	54.00	-2.14	32.01	3	Vertical	161	1.05	-
AV	2.4182G	97.50	Inf	-Inf	32.09	3	Vertical	161	1.05	-
PK	2.39G	64.46	74.00	-9.54	32.01	3	Vertical	161	1.05	-
PK	2.417G	106.04	Inf	-Inf	32.09	3	Vertical	161	1.05	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2417MHz_TX

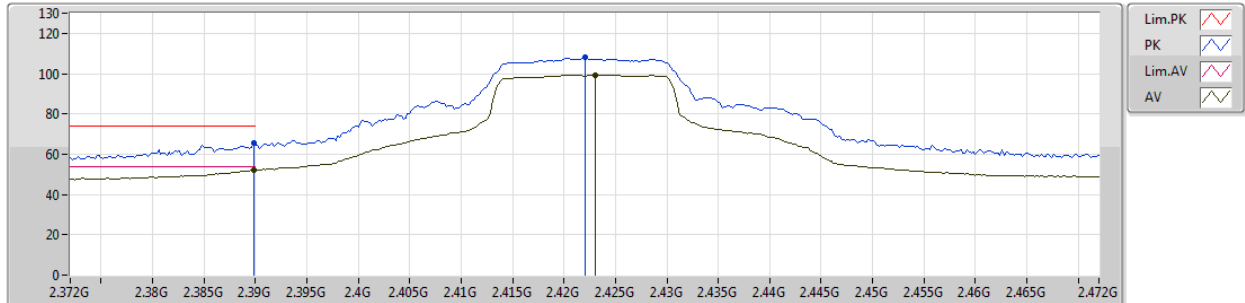


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	53.93	54.00	-0.07	32.01	3	Horizontal	57	2.79	-
AV	2.4234G	103.26	Inf	-Inf	32.11	3	Horizontal	57	2.79	-
PK	2.39G	66.89	74.00	-7.11	32.01	3	Horizontal	57	2.79	-
PK	2.417G	111.90	Inf	-Inf	32.09	3	Horizontal	57	2.79	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2422MHz_TX

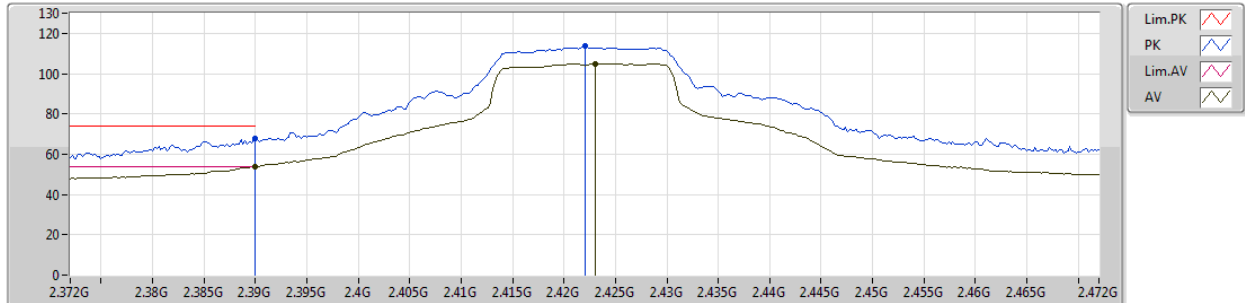


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	51.86	54.00	-2.14	32.01	3	Vertical	161	1.04	-
AV	2.423G	99.37	Inf	-Inf	32.11	3	Vertical	161	1.04	-
PK	2.3898G	65.71	74.00	-8.29	32.01	3	Vertical	161	1.04	-
PK	2.422G	108.23	Inf	-Inf	32.10	3	Vertical	161	1.04	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2422MHz_TX

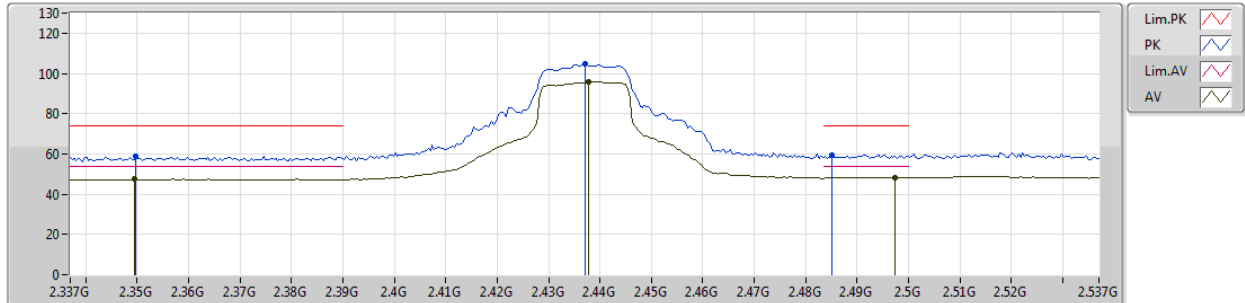


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.93	54.00	-0.07	32.01	3	Horizontal	56	2.79	-
AV	2.423G	104.97	Inf	-Inf	32.11	3	Horizontal	56	2.79	-
PK	2.39G	67.95	74.00	-6.05	32.01	3	Horizontal	56	2.79	-
PK	2.422G	113.79	Inf	-Inf	32.10	3	Horizontal	56	2.79	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

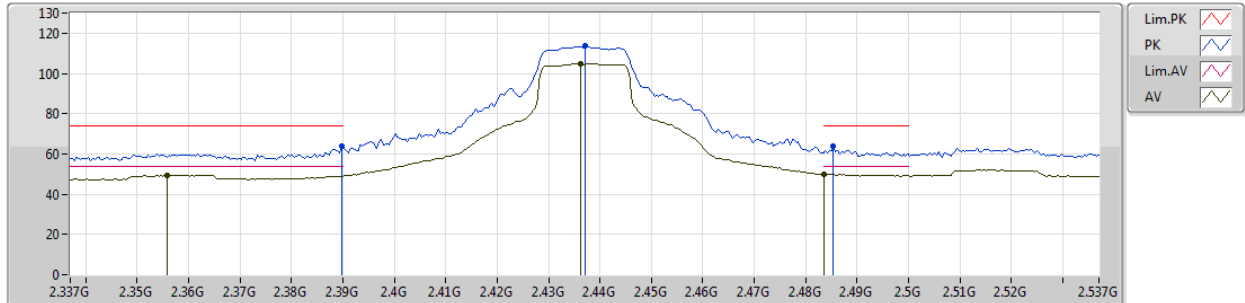


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3494G	47.45	54.00	-6.55	31.87	3	Vertical	26	1.44	-
AV	2.4378G	95.84	Inf	-Inf	32.15	3	Vertical	26	1.44	-
AV	2.4974G	48.43	54.00	-5.57	32.33	3	Vertical	26	1.44	-
PK	2.3498G	58.88	74.00	-15.12	31.87	3	Vertical	26	1.44	-
PK	2.437G	104.65	Inf	-Inf	32.15	3	Vertical	26	1.44	-
PK	2.485G	59.42	74.00	-14.58	32.29	3	Vertical	26	1.44	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

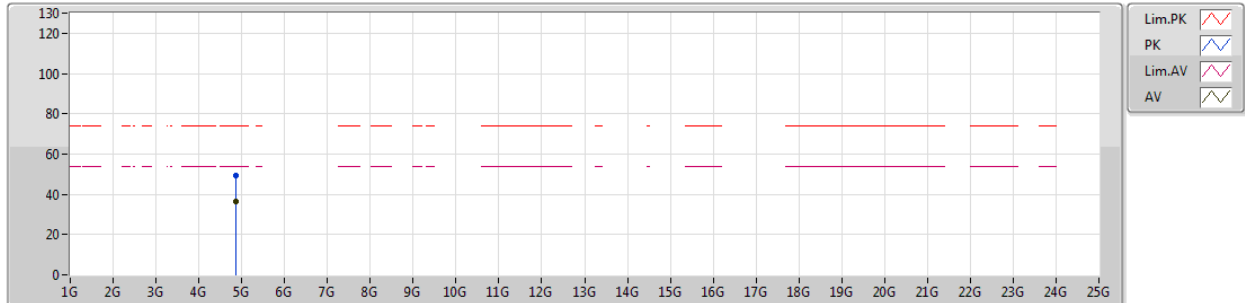


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3558G	49.41	54.00	-4.59	31.89	3	Horizontal	75	1.00	-
AV	2.4362G	104.88	Inf	-Inf	32.15	3	Horizontal	75	1.00	-
AV	2.4835G	49.97	54.00	-4.03	32.29	3	Horizontal	75	1.00	-
PK	2.3898G	63.90	74.00	-10.10	32.01	3	Horizontal	75	1.00	-
PK	2.437G	114.02	Inf	-Inf	32.15	3	Horizontal	75	1.00	-
PK	2.4854G	63.66	74.00	-10.34	32.29	3	Horizontal	75	1.00	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

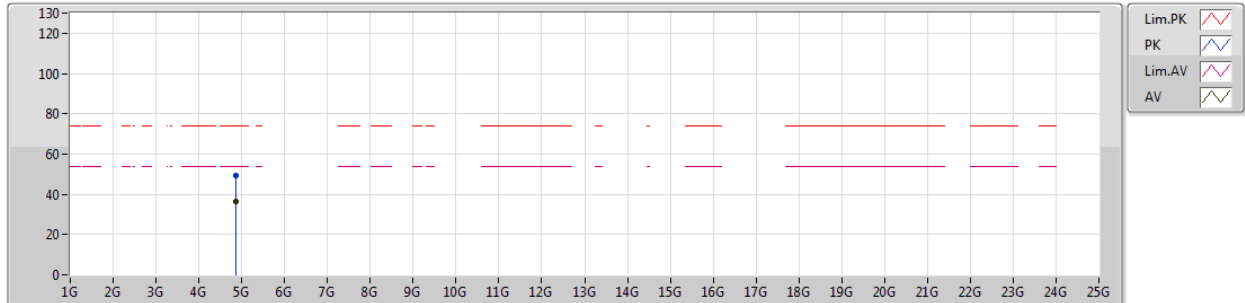


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8725G	36.63	54.00	-17.37	3.50	3	Vertical	147	2.88	-
PK	4.8728G	49.45	74.00	-24.55	3.50	3	Vertical	147	2.88	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2437MHz_TX

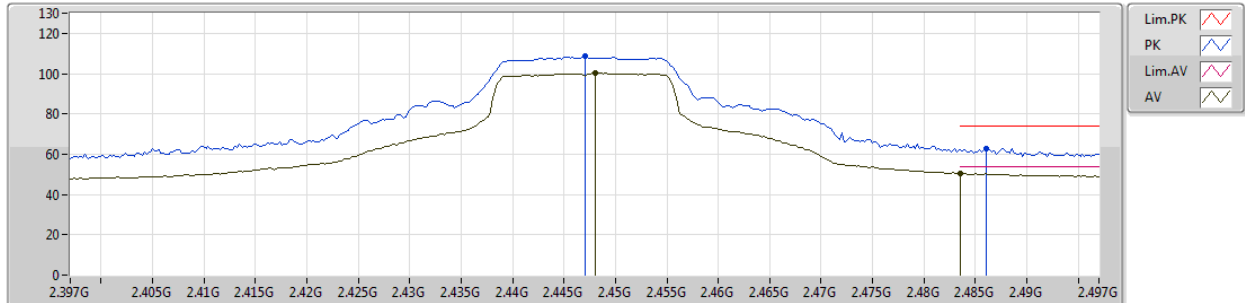


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.872G	36.68	54.00	-17.32	3.50	3	Horizontal	62	2.86	-
PK	4.8723G	49.12	74.00	-24.88	3.50	3	Horizontal	62	2.86	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2447MHz_TX

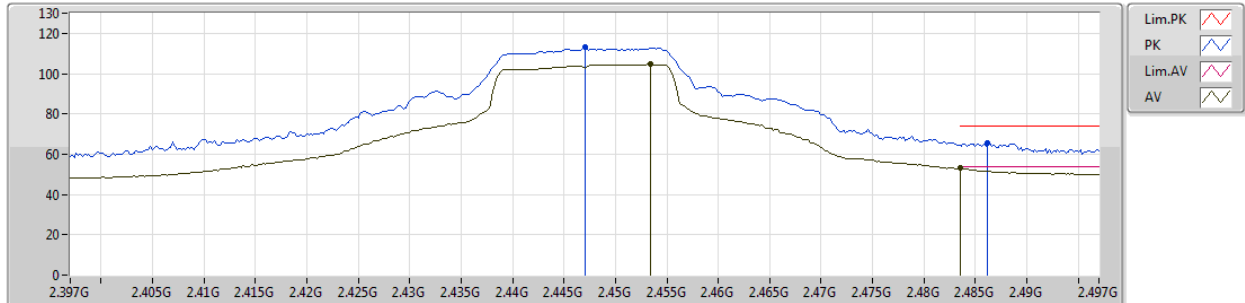


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.448G	100.16	Inf	-Inf	32.19	3	Vertical	161	1.02	-
AV	2.4835G	50.59	54.00	-3.41	32.29	3	Vertical	161	1.02	-
PK	2.447G	108.95	Inf	-Inf	32.18	3	Vertical	161	1.02	-
PK	2.486G	62.95	74.00	-11.05	32.30	3	Vertical	161	1.02	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2447MHz_TX

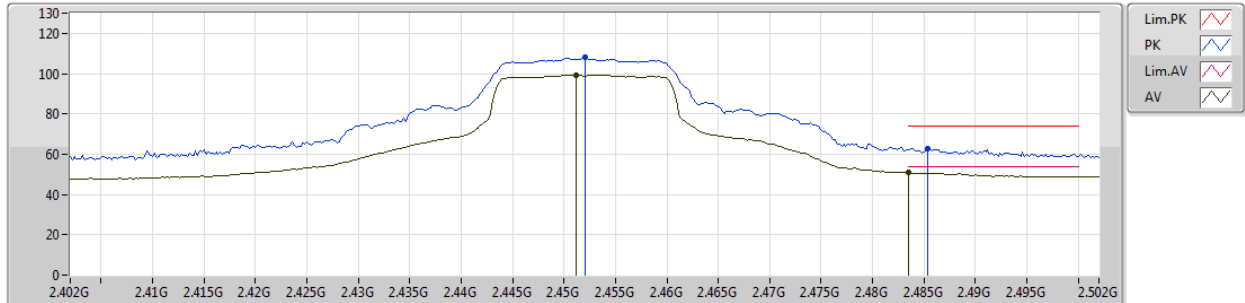


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4534G	104.61	Inf	-Inf	32.20	3	Horizontal	59	2.74	-
AV	2.4835G	53.20	54.00	-0.80	32.29	3	Horizontal	59	2.74	-
PK	2.447G	112.93	Inf	-Inf	32.18	3	Horizontal	59	2.74	-
PK	2.4862G	65.52	74.00	-8.48	32.30	3	Horizontal	59	2.74	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2452MHz_TX

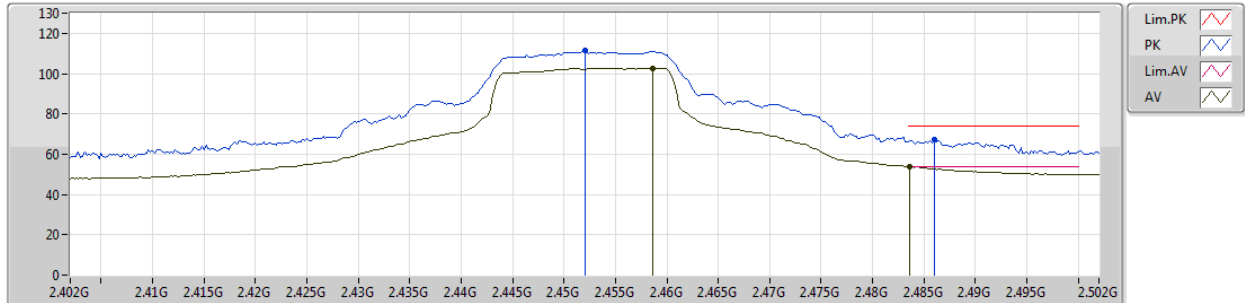


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4512G	99.35	Inf	-Inf	32.19	3	Vertical	162	1.02	-
AV	2.4835G	50.81	54.00	-3.19	32.29	3	Vertical	162	1.02	-
PK	2.452G	108.15	Inf	-Inf	32.19	3	Vertical	162	1.02	-
PK	2.4854G	62.74	74.00	-11.26	32.29	3	Vertical	162	1.02	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2452MHz_TX

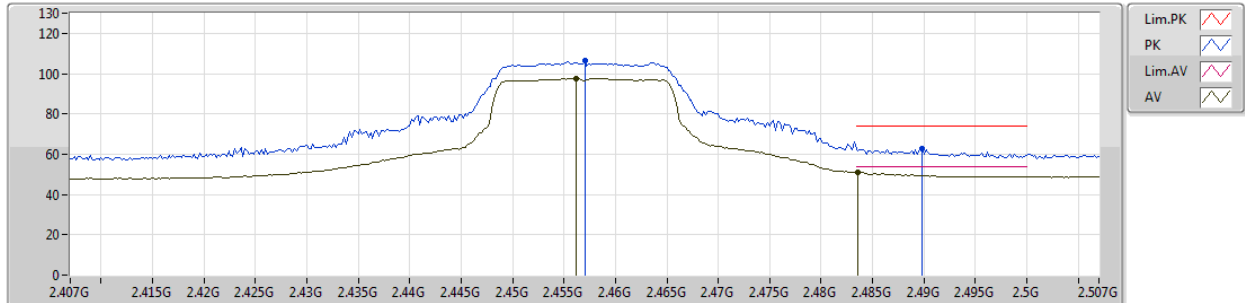


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4586G	102.80	Inf	-Inf	32.22	3	Horizontal	61	2.99	-
AV	2.4836G	53.67	54.00	-0.33	32.29	3	Horizontal	61	2.99	-
PK	2.452G	111.41	Inf	-Inf	32.19	3	Horizontal	61	2.99	-
PK	2.486G	67.21	74.00	-6.79	32.30	3	Horizontal	61	2.99	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2457MHz_TX

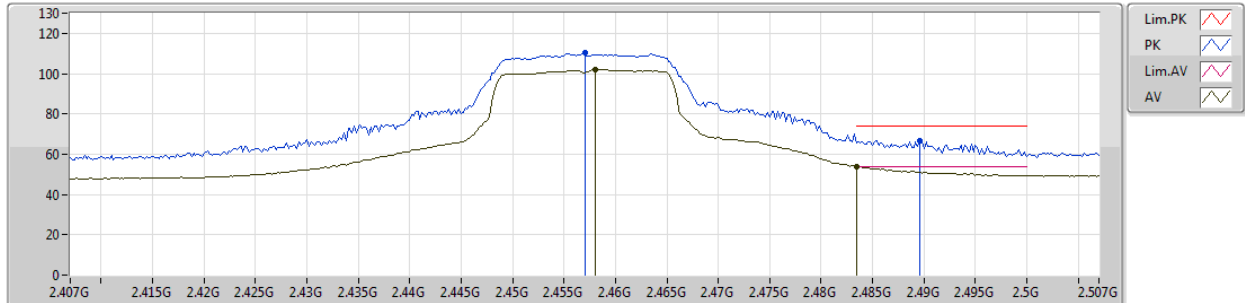


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4562G	97.51	Inf	-Inf	32.20	3	Vertical	163	1.01	-
AV	2.4836G	50.81	54.00	-3.19	32.29	3	Vertical	163	1.01	-
PK	2.457G	106.20	Inf	-Inf	32.21	3	Vertical	163	1.01	-
PK	2.4898G	62.86	74.00	-11.14	32.31	3	Vertical	163	1.01	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2457MHz_TX

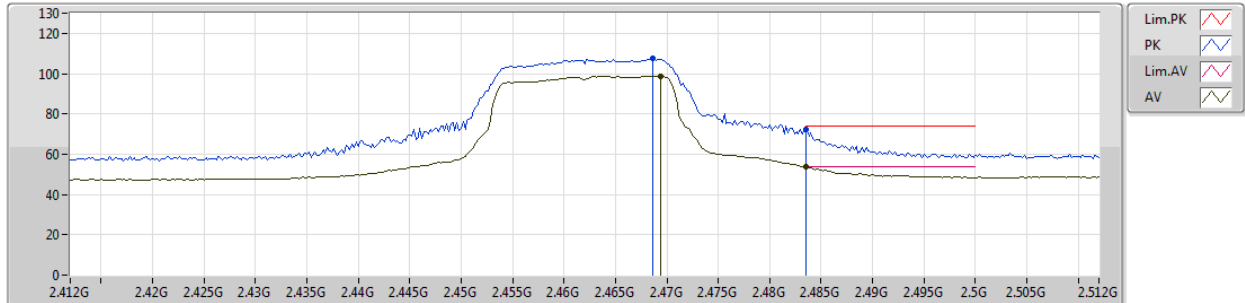


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.458G	101.82	Inf	-Inf	32.21	3	Horizontal	63	2.99	-
AV	2.4835G	53.82	54.00	-0.18	32.29	3	Horizontal	63	2.99	-
PK	2.457G	110.48	Inf	-Inf	32.21	3	Horizontal	63	2.99	-
PK	2.4896G	66.84	74.00	-7.16	32.31	3	Horizontal	63	2.99	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

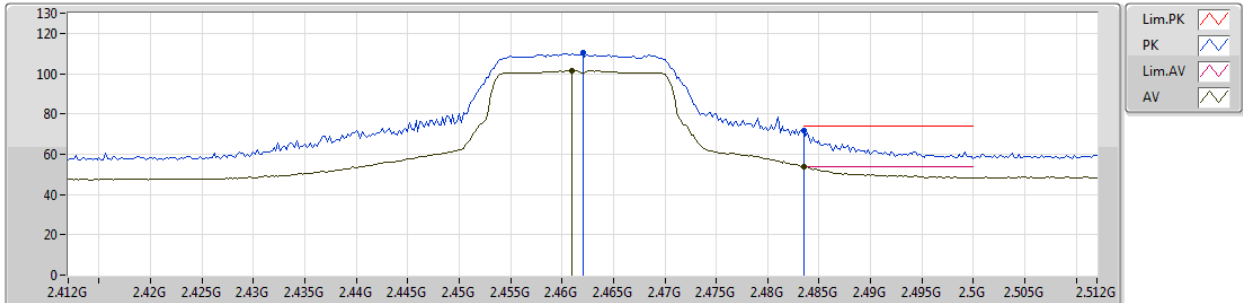


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4694G	98.83	Inf	-Inf	32.25	3	Vertical	137	2.99	-
AV	2.4835G	53.55	54.00	-0.45	32.29	3	Vertical	137	2.99	-
PK	2.4686G	107.77	Inf	-Inf	32.24	3	Vertical	137	2.99	-
PK	2.4835G	72.27	74.00	-1.73	32.29	3	Vertical	137	2.99	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

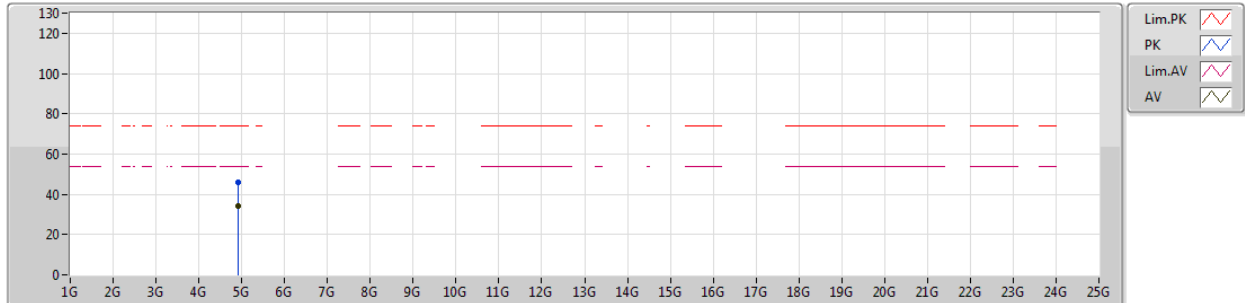


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.461G	101.50	Inf	-Inf	32.23	3	Horizontal	79	2.74	-
AV	2.4835G	53.91	54.00	-0.09	32.29	3	Horizontal	79	2.74	-
PK	2.462G	110.58	Inf	-Inf	32.23	3	Horizontal	79	2.74	-
PK	2.4835G	71.58	74.00	-2.42	32.29	3	Horizontal	79	2.74	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

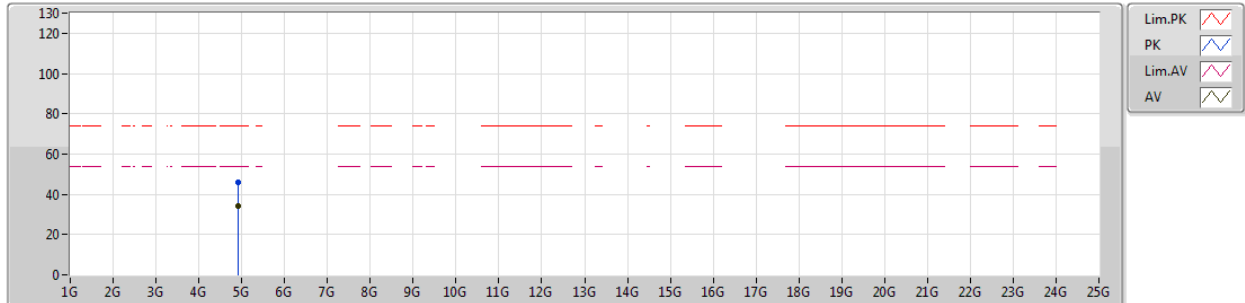


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.9276G	34.36	54.00	-19.64	3.64	3	Vertical	336	2.25	-
PK	4.92256G	45.92	74.00	-28.08	3.62	3	Vertical	336	2.25	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

14/12/2018

2462MHz_TX

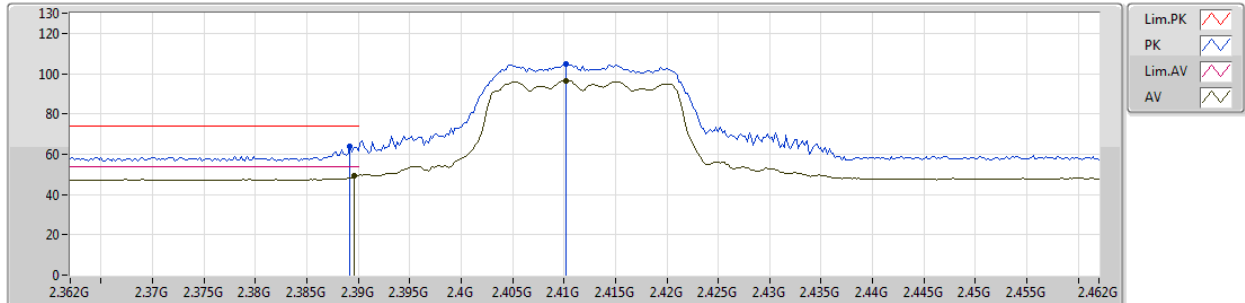


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92556G	34.40	54.00	-19.60	3.64	3	Horizontal	143	1.02	-
PK	4.92412G	45.83	74.00	-28.17	3.62	3	Horizontal	143	1.02	-

802.11n HT20_Nss1,(MCS0)_3TX

2412MHz_TX

14/12/2018

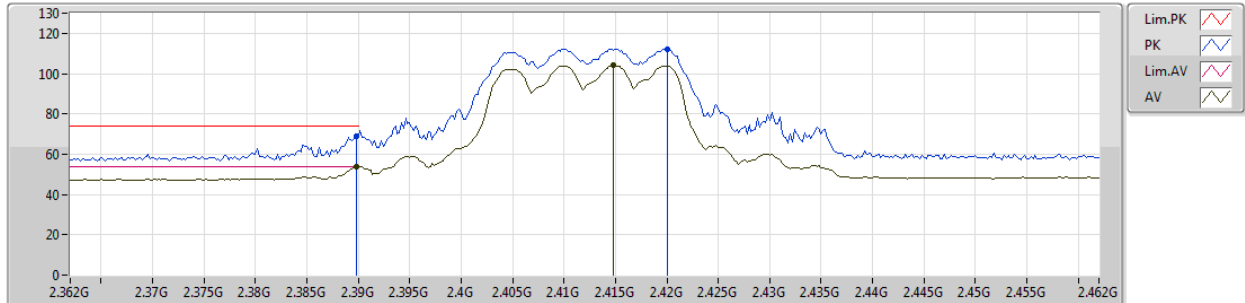


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
AV	2.3896G	49.29	54.00	-4.71	32.01	3	Vertical	212	1.24	-							
AV	2.4102G	96.63	Inf	-Inf	32.07	3	Vertical	212	1.24	-							
PK	2.3892G	63.61	74.00	-10.39	32.00	3	Vertical	212	1.24	-							
PK	2.4102G	104.52	Inf	-Inf	32.07	3	Vertical	212	1.24	-							

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2412MHz_TX

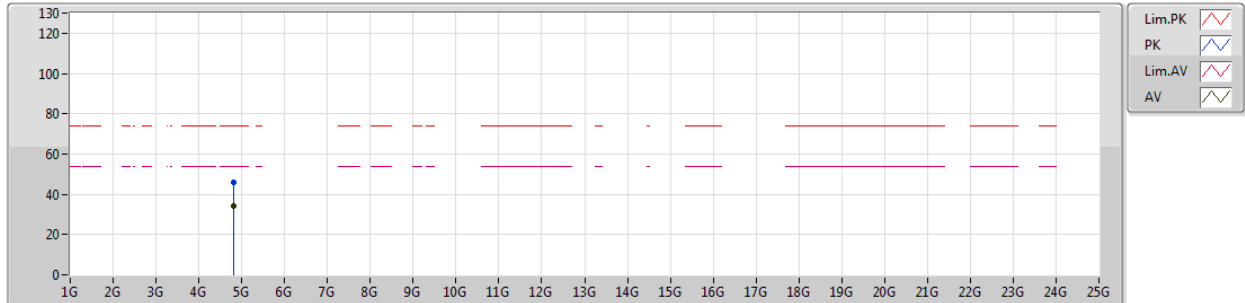


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	53.73	54.00	-0.27	32.01	3	Horizontal	270	1.06	-
AV	2.4148G	103.95	Inf	-Inf	32.09	3	Horizontal	270	1.06	-
PK	2.3898G	69.02	74.00	-4.98	32.01	3	Horizontal	270	1.06	-
PK	2.42G	112.34	Inf	-Inf	32.10	3	Horizontal	270	1.06	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2412MHz_TX

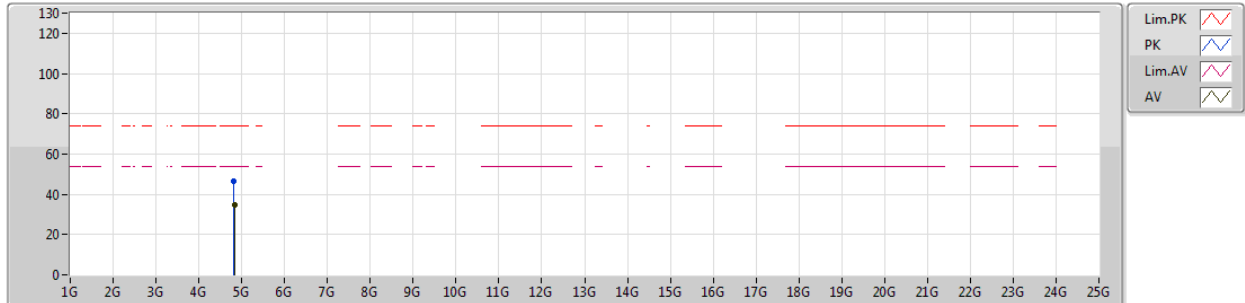


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.82088G	34.10	54.00	-19.90	3.38	3	Vertical	169	2.65	-
PK	4.80918G	46.10	74.00	-27.90	3.35	3	Vertical	169	2.65	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2412MHz_TX

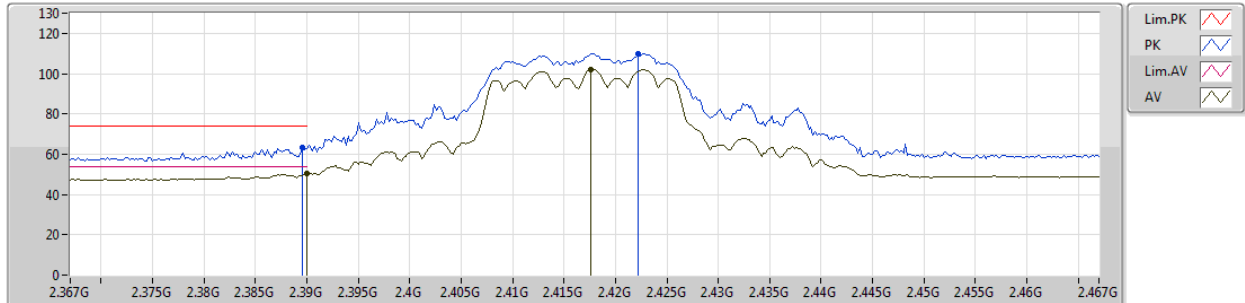


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
AV	4.82712G	34.76	54.00	-19.24	3.40	3	Horizontal	322	2.87	-							
PK	4.82244G	46.59	74.00	-27.41	3.38	3	Horizontal	322	2.87	-							

802.11n HT20_Nss1,(MCS0)_3TX

19/12/2018

2417MHz_TX

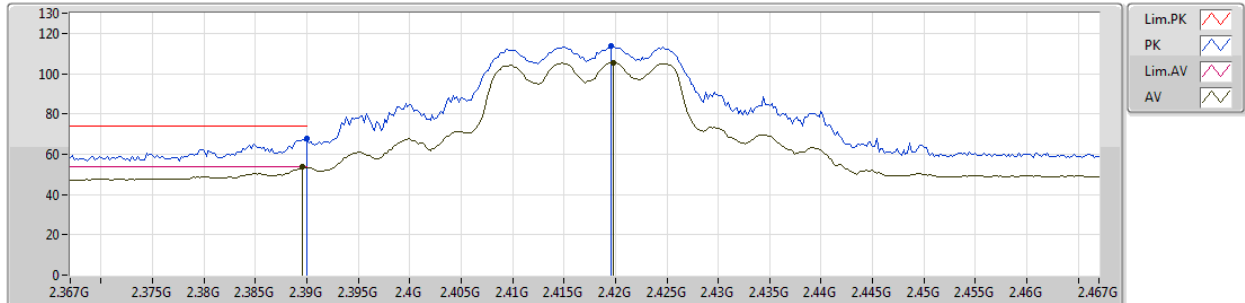


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	50.41	54.00	-3.59	32.01	3	Vertical	27	2.99	-
AV	2.4176G	102.04	Inf	-Inf	32.09	3	Vertical	27	2.99	-
PK	2.3896G	63.30	74.00	-10.70	32.01	3	Vertical	27	2.99	-
PK	2.4222G	109.80	Inf	-Inf	32.10	3	Vertical	27	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

19/12/2018

2417MHz_TX

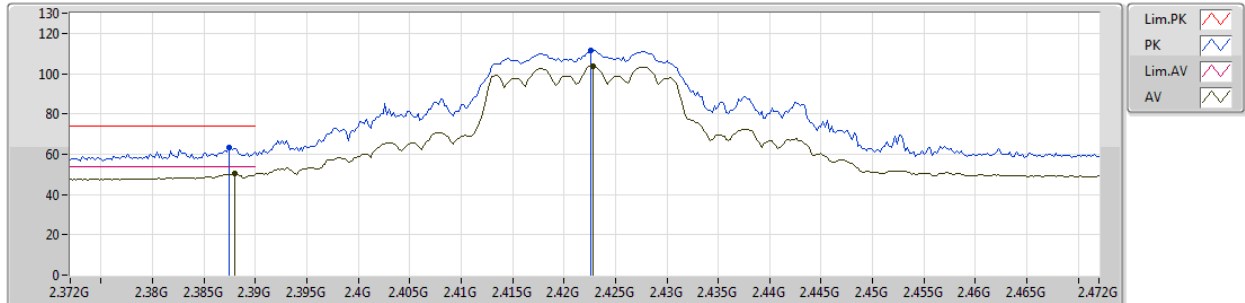


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	53.52	54.00	-0.48	32.01	3	Horizontal	266	2.73	-
AV	2.4198G	105.32	Inf	-Inf	32.10	3	Horizontal	266	2.73	-
PK	2.39G	67.85	74.00	-6.15	32.01	3	Horizontal	266	2.73	-
PK	2.4196G	113.71	Inf	-Inf	32.10	3	Horizontal	266	2.73	-

802.11n HT20_Nss1,(MCS0)_3TX

19/12/2018

2422MHz_TX

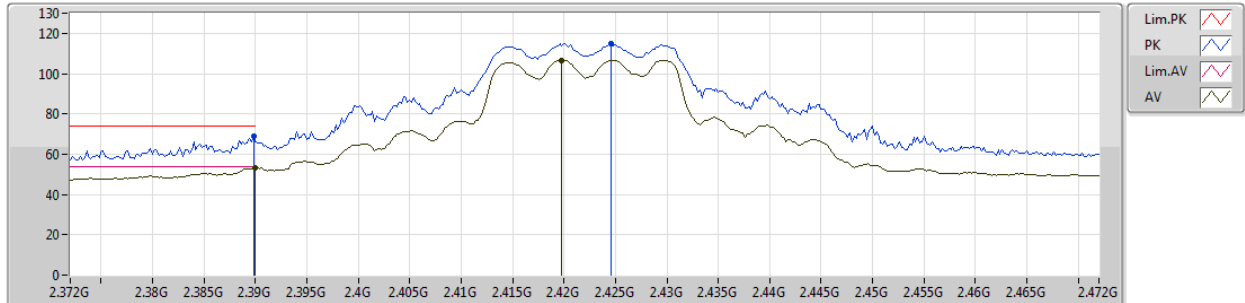


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.388G	50.18	54.00	-3.82	32.00	3	Vertical	26	2.99	-
AV	2.4228G	103.84	Inf	-Inf	32.10	3	Vertical	26	2.99	-
PK	2.3874G	63.44	74.00	-10.56	32.00	3	Vertical	26	2.99	-
PK	2.4226G	111.53	Inf	-Inf	32.10	3	Vertical	26	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

19/12/2018

2422MHz_TX

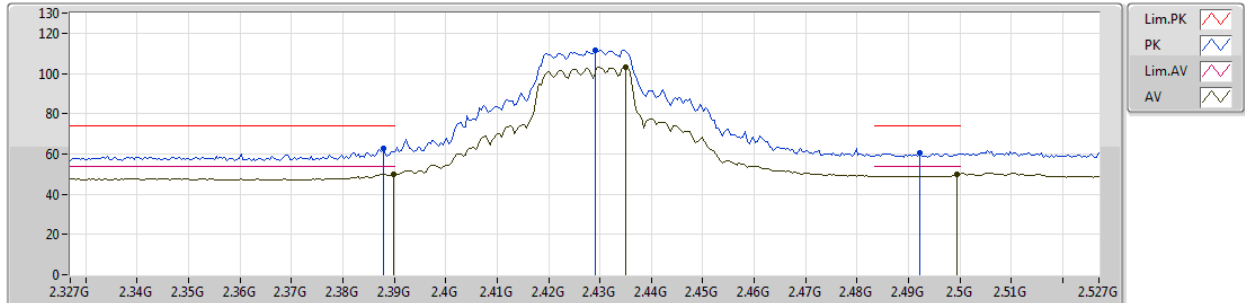


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.24	54.00	-0.76	32.01	3	Horizontal	265	2.72	-
AV	2.4198G	106.57	Inf	-Inf	32.10	3	Horizontal	265	2.72	-
PK	2.3898G	68.80	74.00	-5.20	32.01	3	Horizontal	265	2.72	-
PK	2.4246G	114.84	Inf	-Inf	32.11	3	Horizontal	265	2.72	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2427MHz_TX

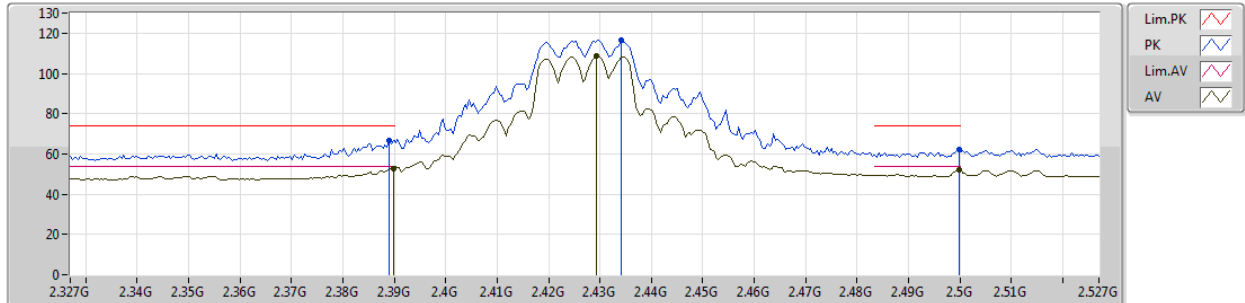


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	49.79	54.00	-4.21	32.01	3	Vertical	98	2.78	-
AV	2.435G	103.08	Inf	-Inf	32.14	3	Vertical	98	2.78	-
AV	2.4994G	49.97	54.00	-4.03	32.34	3	Vertical	98	2.78	-
PK	2.3878G	62.75	74.00	-11.25	32.00	3	Vertical	98	2.78	-
PK	2.429G	111.74	Inf	-Inf	32.13	3	Vertical	98	2.78	-
PK	2.4922G	60.51	74.00	-13.49	32.32	3	Vertical	98	2.78	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2427MHz_TX

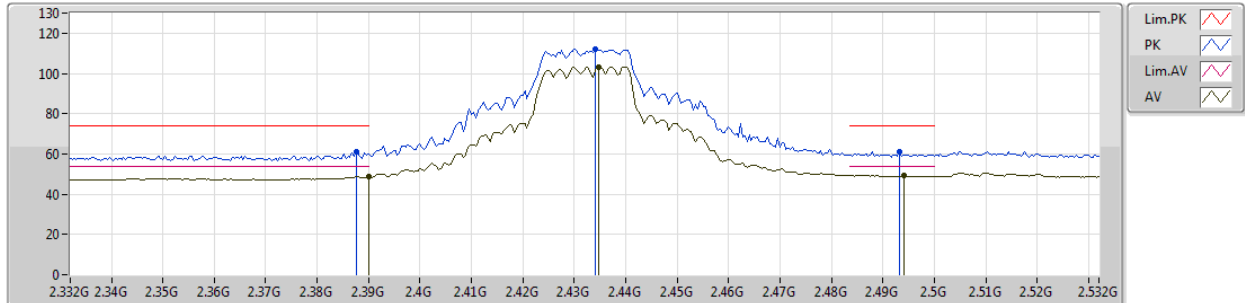


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	52.95	54.00	-1.05	32.01	3	Horizontal	273	2.72	-
AV	2.4294G	108.48	Inf	-Inf	32.13	3	Horizontal	273	2.72	-
AV	2.4998G	52.05	54.00	-1.95	32.34	3	Horizontal	273	2.72	-
PK	2.389G	66.81	74.00	-7.19	32.00	3	Horizontal	273	2.72	-
PK	2.4342G	116.43	Inf	-Inf	32.14	3	Horizontal	273	2.72	-
PK	2.4998G	62.21	74.00	-11.79	32.34	3	Horizontal	273	2.72	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2432MHz_TX

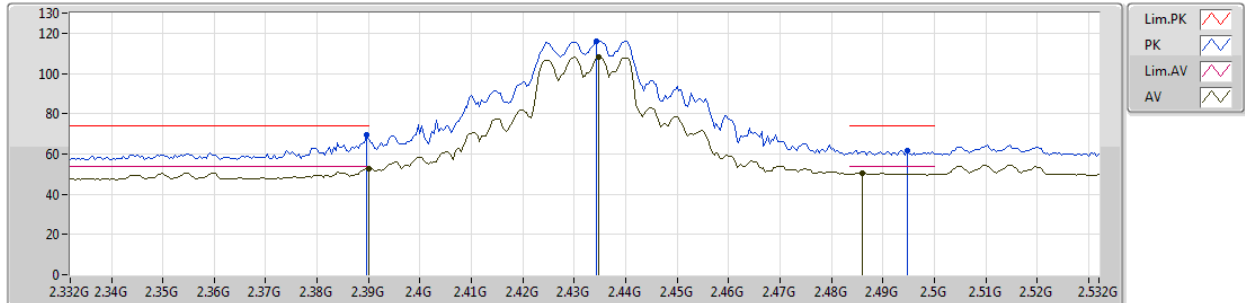


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	48.67	54.00	-5.33	32.01	3	Vertical	97	2.77	-
AV	2.4348G	103.29	Inf	-Inf	32.14	3	Vertical	97	2.77	-
AV	2.494G	49.23	54.00	-4.77	32.33	3	Vertical	97	2.77	-
PK	2.3876G	60.94	74.00	-13.06	32.00	3	Vertical	97	2.77	-
PK	2.434G	112.27	Inf	-Inf	32.14	3	Vertical	97	2.77	-
PK	2.4932G	60.83	74.00	-13.17	32.32	3	Vertical	97	2.77	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2432MHz_TX

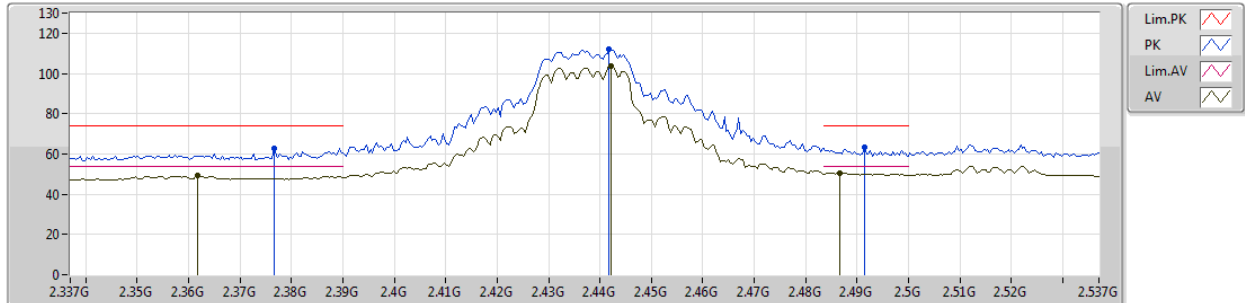


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	52.81	54.00	-1.19	32.01	3	Horizontal	268	1.01	-
AV	2.4348G	107.99	Inf	-Inf	32.14	3	Horizontal	268	1.01	-
AV	2.486G	50.60	54.00	-3.40	32.30	3	Horizontal	268	1.01	-
PK	2.3896G	69.62	74.00	-4.38	32.01	3	Horizontal	268	1.01	-
PK	2.4344G	115.90	Inf	-Inf	32.14	3	Horizontal	268	1.01	-
PK	2.4948G	61.87	74.00	-12.13	32.33	3	Horizontal	268	1.01	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2437MHz_TX

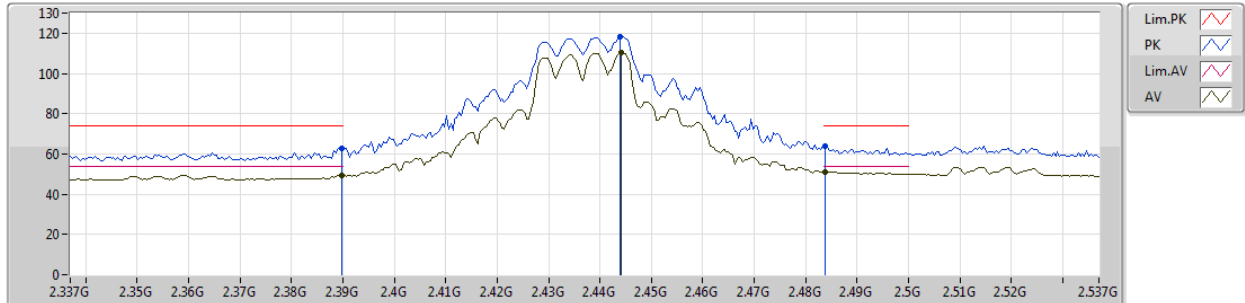


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3618G	49.04	54.00	-4.96	31.91	3	Vertical	149	2.99	-
AV	2.4422G	103.65	Inf	-Inf	32.17	3	Vertical	149	2.99	-
AV	2.4866G	50.53	54.00	-3.47	32.30	3	Vertical	149	2.99	-
PK	2.3766G	62.96	74.00	-11.04	31.96	3	Vertical	149	2.99	-
PK	2.4418G	112.29	Inf	-Inf	32.17	3	Vertical	149	2.99	-
PK	2.4914G	63.58	74.00	-10.42	32.31	3	Vertical	149	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2437MHz_TX

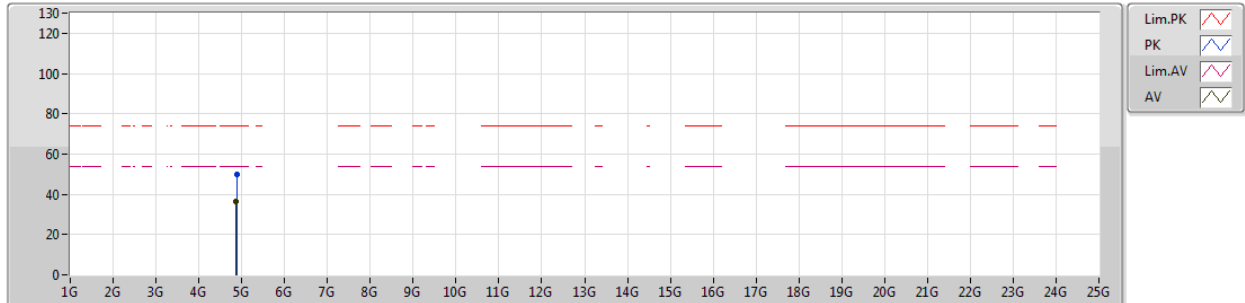


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	49.47	54.00	-4.53	32.01	3	Horizontal	285	2.99	-
AV	2.4442G	110.25	Inf	-Inf	32.18	3	Horizontal	285	2.99	-
AV	2.4838G	51.18	54.00	-2.82	32.29	3	Horizontal	285	2.99	-
PK	2.3898G	62.90	74.00	-11.10	32.01	3	Horizontal	285	2.99	-
PK	2.4438G	118.12	Inf	-Inf	32.18	3	Horizontal	285	2.99	-
PK	2.4838G	63.80	74.00	-10.20	32.29	3	Horizontal	285	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2437MHz_TX

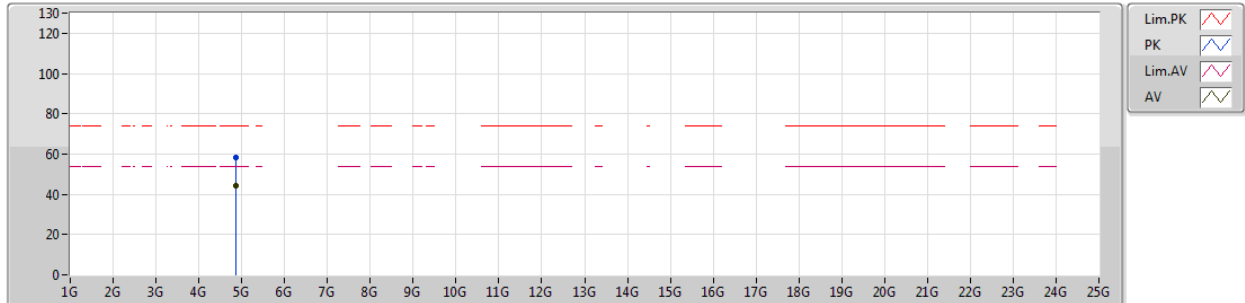


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)		(m)		(°)	(m)									
AV	4.87526G	36.40	54.00	-17.60	3.52	3	Vertical	152	1.50	-								
PK	4.88036G	49.65	74.00	-24.35	3.52	3	Vertical	152	1.50	-								

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2437MHz_TX

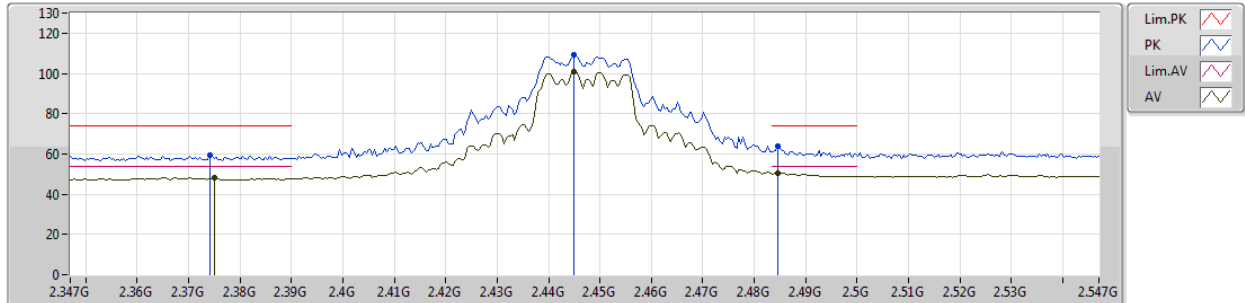


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.87664G	44.51	54.00	-9.49	3.52	3	Horizontal	264	2.60	-
PK	4.87688G	58.46	74.00	-15.54	3.52	3	Horizontal	264	2.60	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2447MHz_TX

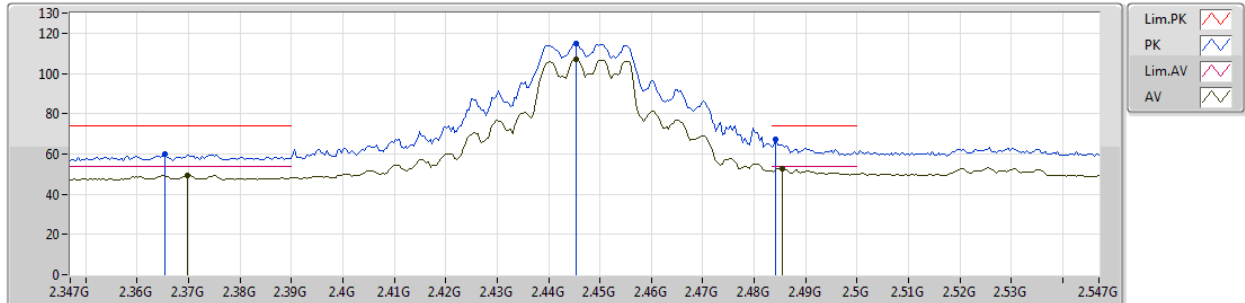


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.375G	48.05	54.00	-5.95	31.95	3	Vertical	202	1.02	-
AV	2.445G	101.08	Inf	-Inf	32.18	3	Vertical	202	1.02	-
AV	2.4846G	50.59	54.00	-3.41	32.29	3	Vertical	202	1.02	-
PK	2.3742G	59.28	74.00	-14.72	31.95	3	Vertical	202	1.02	-
PK	2.445G	109.07	Inf	-Inf	32.18	3	Vertical	202	1.02	-
PK	2.4846G	63.61	74.00	-10.39	32.29	3	Vertical	202	1.02	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2447MHz_TX

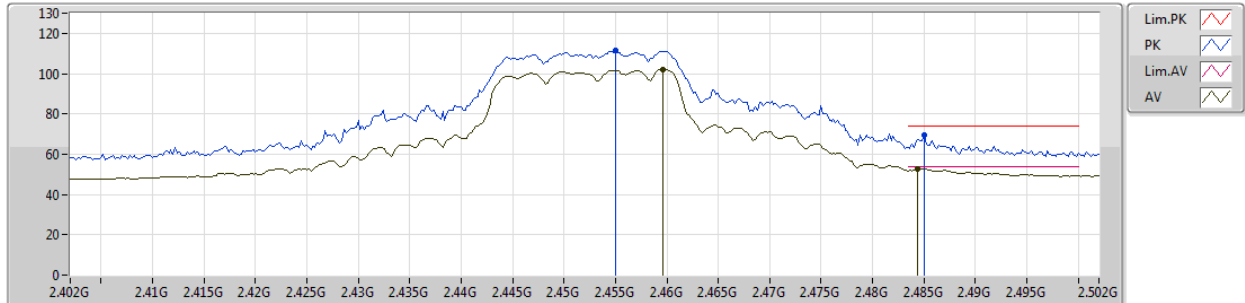


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3698G	49.45	54.00	-4.55	31.94	3	Horizontal	258	1.50	-
AV	2.4454G	107.08	Inf	-Inf	32.18	3	Horizontal	258	1.50	-
AV	2.4854G	52.70	54.00	-1.30	32.29	3	Horizontal	258	1.50	-
PK	2.3654G	59.71	74.00	-14.29	31.93	3	Horizontal	258	1.50	-
PK	2.4454G	114.71	Inf	-Inf	32.18	3	Horizontal	258	1.50	-
PK	2.4842G	66.98	74.00	-7.02	32.29	3	Horizontal	258	1.50	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2452MHz_TX

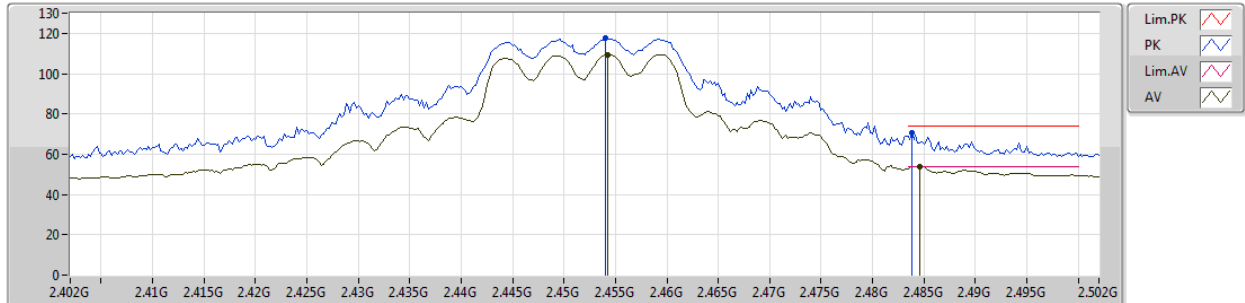


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4596G	102.18	Inf	-Inf	32.22	3	Vertical	93	2.71	-
AV	2.4844G	52.70	54.00	-1.30	32.29	3	Vertical	93	2.71	-
PK	2.455G	111.29	Inf	-Inf	32.20	3	Vertical	93	2.71	-
PK	2.485G	69.21	74.00	-4.79	32.29	3	Vertical	93	2.71	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2452MHz_TX

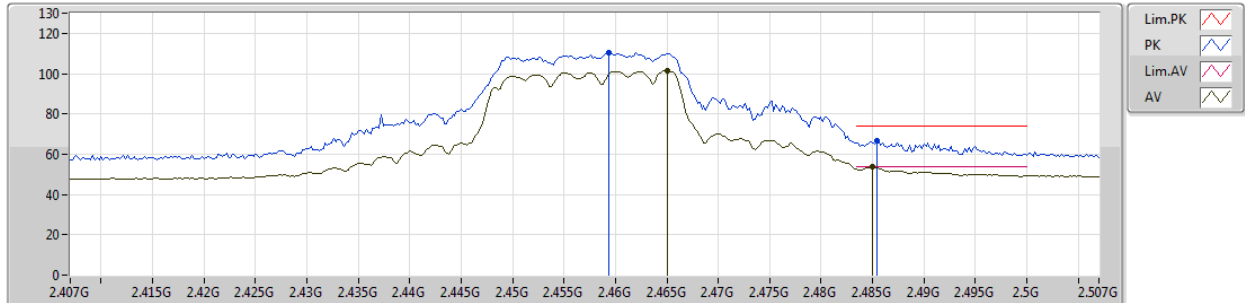


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4542G	109.33	Inf	-Inf	32.20	3	Horizontal	277	2.99	-
AV	2.4846G	53.97	54.00	-0.03	32.29	3	Horizontal	277	2.99	-
PK	2.454G	117.47	Inf	-Inf	32.20	3	Horizontal	277	2.99	-
PK	2.4838G	70.55	74.00	-3.45	32.29	3	Horizontal	277	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2457MHz_TX

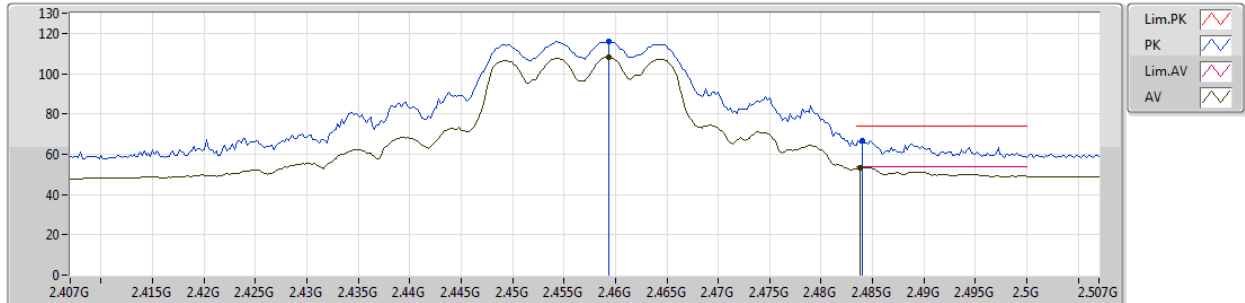


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.465G	101.67	Inf	-Inf	32.24	3	Vertical	98	2.99	-
AV	2.485G	53.52	54.00	-0.48	32.29	3	Vertical	98	2.99	-
PK	2.4594G	110.22	Inf	-Inf	32.22	3	Vertical	98	2.99	-
PK	2.4854G	66.88	74.00	-7.12	32.29	3	Vertical	98	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

20/12/2018

2457MHz_TX

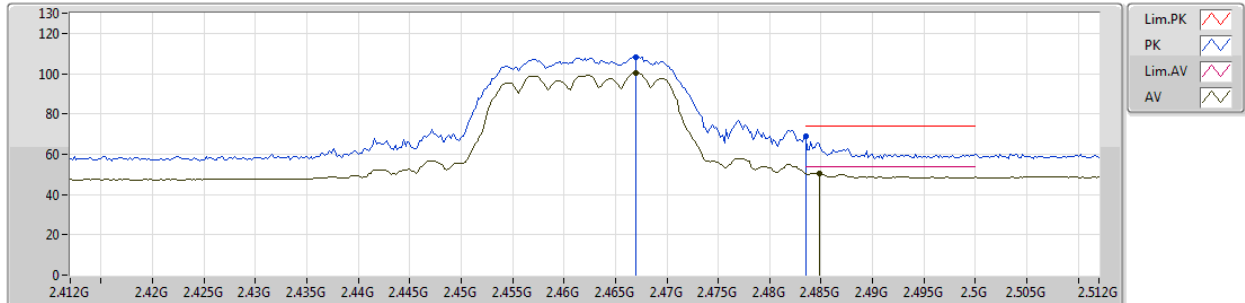


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4594G	108.04	Inf	-Inf	32.22	3	Horizontal	278	2.99	-
AV	2.4838G	53.36	54.00	-0.64	32.29	3	Horizontal	278	2.99	-
PK	2.4594G	116.25	Inf	-Inf	32.22	3	Horizontal	278	2.99	-
PK	2.484G	66.82	74.00	-7.18	32.29	3	Horizontal	278	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2462MHz_TX

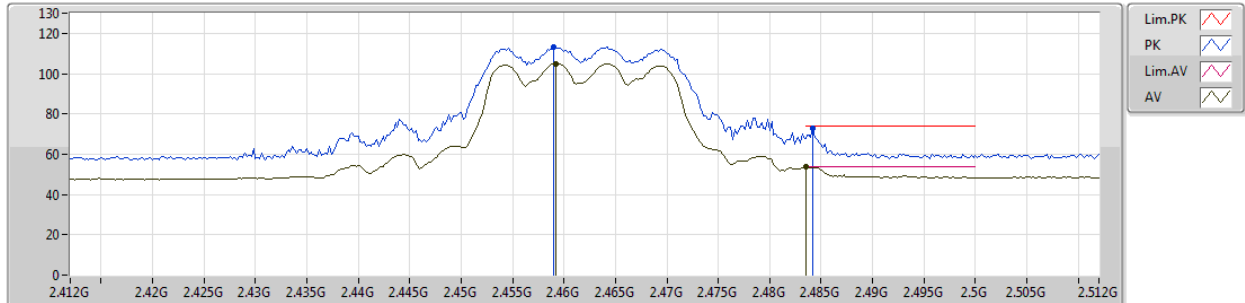


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.467G	100.27	Inf	-Inf	32.24	3	Vertical	149	2.99	-
AV	2.4848G	50.69	54.00	-3.31	32.29	3	Vertical	149	2.99	-
PK	2.467G	108.32	Inf	-Inf	32.24	3	Vertical	149	2.99	-
PK	2.4835G	69.08	74.00	-4.92	32.29	3	Vertical	149	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2462MHz_TX

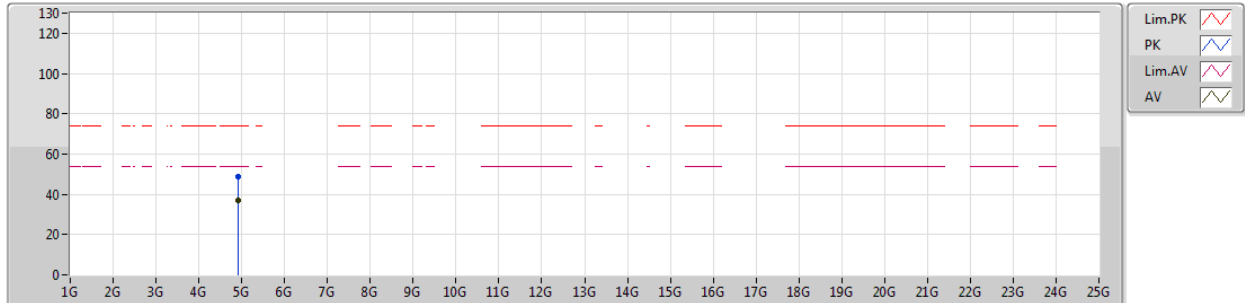


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.4592G	104.96	Inf	-Inf	32.22	3	Horizontal	286	2.99	-
AV	2.4835G	53.55	54.00	-0.45	32.29	3	Horizontal	286	2.99	-
PK	2.459G	113.08	Inf	-Inf	32.22	3	Horizontal	286	2.99	-
PK	2.4842G	72.75	74.00	-1.25	32.29	3	Horizontal	286	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2462MHz_TX

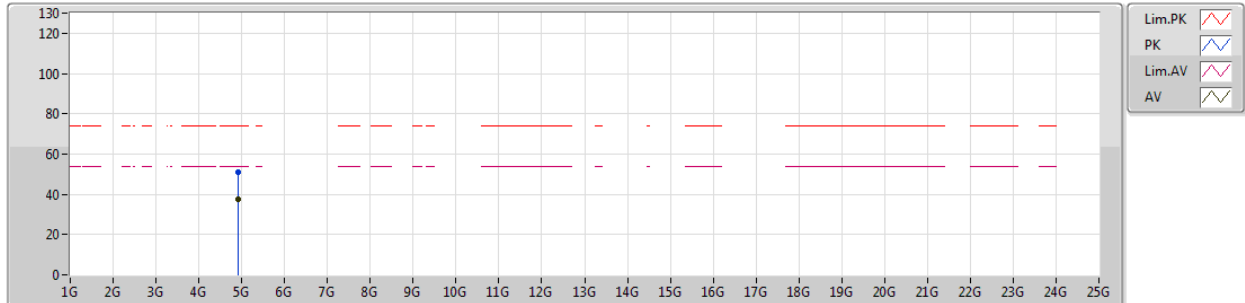


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92616G	37.01	54.00	-16.99	3.64	3	Vertical	189	2.99	-
PK	4.9216G	48.77	74.00	-25.23	3.62	3	Vertical	189	2.99	-

802.11n HT20_Nss1,(MCS0)_3TX

14/12/2018

2462MHz_TX

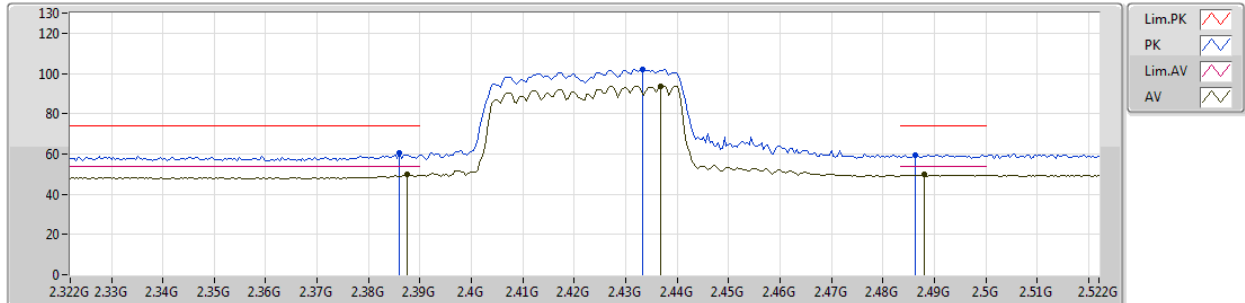


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.92238G	37.75	54.00	-16.25	3.62	3	Horizontal	264	1.34	-
PK	4.92028G	50.81	74.00	-23.19	3.62	3	Horizontal	264	1.34	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2422MHz_TX

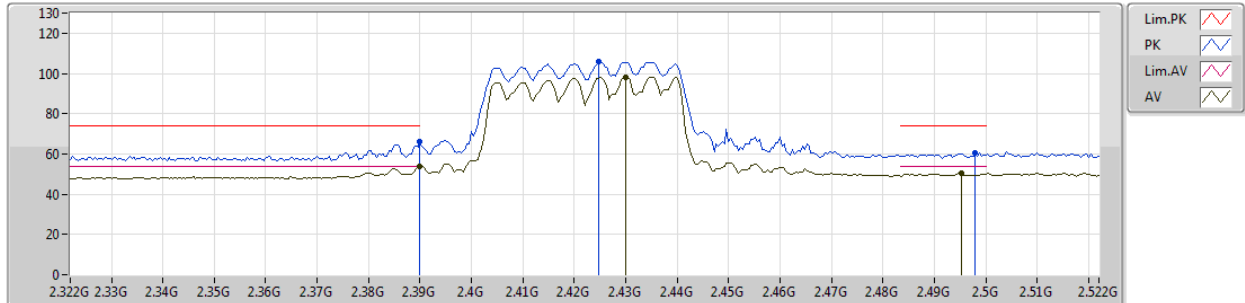


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3876G	49.75	54.00	-4.25	32.00	3	Vertical	95	2.76	-
AV	2.4368G	93.68	Inf	-Inf	32.15	3	Vertical	95	2.76	-
AV	2.488G	49.68	54.00	-4.32	32.30	3	Vertical	95	2.76	-
PK	2.386G	60.47	74.00	-13.53	32.00	3	Vertical	95	2.76	-
PK	2.4332G	102.19	Inf	-Inf	32.14	3	Vertical	95	2.76	-
PK	2.4864G	59.65	74.00	-14.35	32.30	3	Vertical	95	2.76	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2422MHz_TX

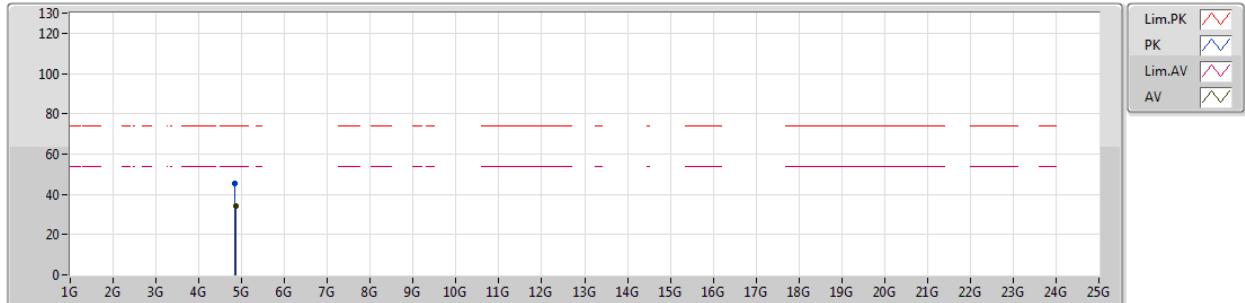


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	53.92	54.00	-0.08	32.01	3	Horizontal	266	1.00	-
AV	2.43G	98.11	Inf	-Inf	32.13	3	Horizontal	266	1.00	-
AV	2.4952G	50.41	54.00	-3.59	32.33	3	Horizontal	266	1.00	-
PK	2.39G	65.90	74.00	-8.10	32.01	3	Horizontal	266	1.00	-
PK	2.4248G	105.74	Inf	-Inf	32.11	3	Horizontal	266	1.00	-
PK	2.498G	60.60	74.00	-13.40	32.34	3	Horizontal	266	1.00	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2422MHz_TX

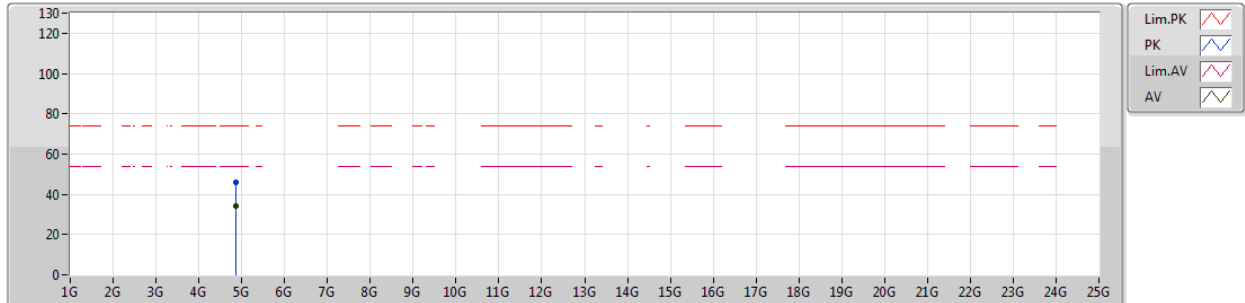


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.85702G	34.17	54.00	-19.83	3.46	3	Vertical	204	2.86	-
PK	4.8392G	45.13	74.00	-28.87	3.43	3	Vertical	204	2.86	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2422MHz_TX

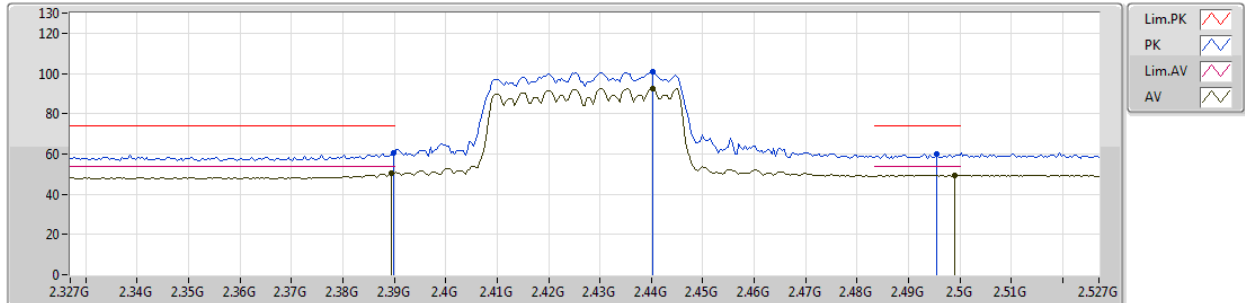


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.85894G	34.34	54.00	-19.66	3.47	3	Horizontal	90	1.17	-
PK	4.85114G	46.18	74.00	-27.82	3.45	3	Horizontal	90	1.17	-

802.11n HT40_Nss1,(MCS0)_3TX

2427MHz_TX

20/12/2018

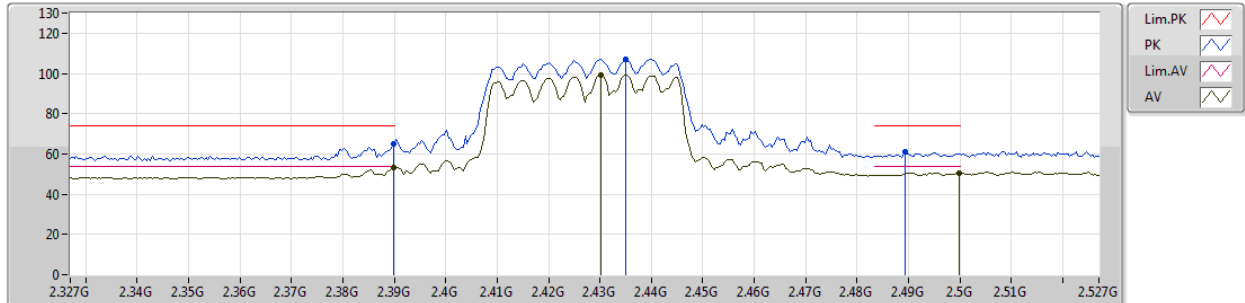


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3894G	50.39	54.00	-3.61	32.00	3	Vertical	203	1.01	-
AV	2.4402G	92.52	Inf	-Inf	32.16	3	Vertical	203	1.01	-
AV	2.499G	49.48	54.00	-4.52	32.34	3	Vertical	203	1.01	-
PK	2.3898G	60.64	74.00	-13.36	32.01	3	Vertical	203	1.01	-
PK	2.4402G	100.76	Inf	-Inf	32.16	3	Vertical	203	1.01	-
PK	2.4954G	59.97	74.00	-14.03	32.33	3	Vertical	203	1.01	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2427MHz_TX

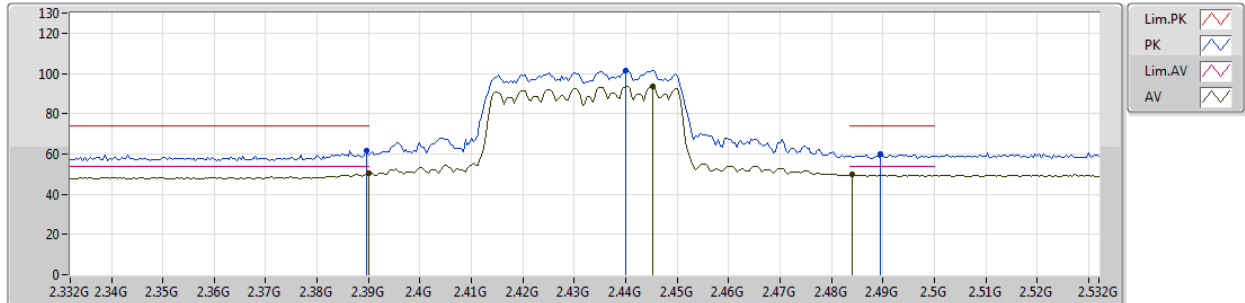


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	53.24	54.00	-0.76	32.01	3	Horizontal	264	1.00	-
AV	2.4302G	99.08	Inf	-Inf	32.13	3	Horizontal	264	1.00	-
AV	2.4998G	50.64	54.00	-3.36	32.34	3	Horizontal	264	1.00	-
PK	2.3898G	64.90	74.00	-9.10	32.01	3	Horizontal	264	1.00	-
PK	2.435G	107.05	Inf	-Inf	32.14	3	Horizontal	264	1.00	-
PK	2.4894G	61.25	74.00	-12.75	32.30	3	Horizontal	264	1.00	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2432MHz_TX

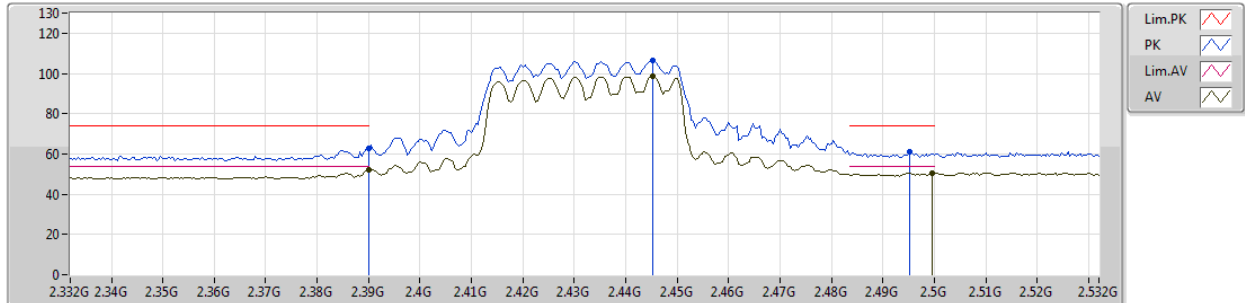


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	50.60	54.00	-3.40	32.01	3	Vertical	205	1.02	-
AV	2.4452G	93.38	Inf	-Inf	32.18	3	Vertical	205	1.02	-
AV	2.484G	49.67	54.00	-4.33	32.29	3	Vertical	205	1.02	-
PK	2.3896G	61.57	74.00	-12.43	32.01	3	Vertical	205	1.02	-
PK	2.44G	101.41	Inf	-Inf	32.16	3	Vertical	205	1.02	-
PK	2.4896G	59.73	74.00	-14.27	32.31	3	Vertical	205	1.02	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2432MHz_TX

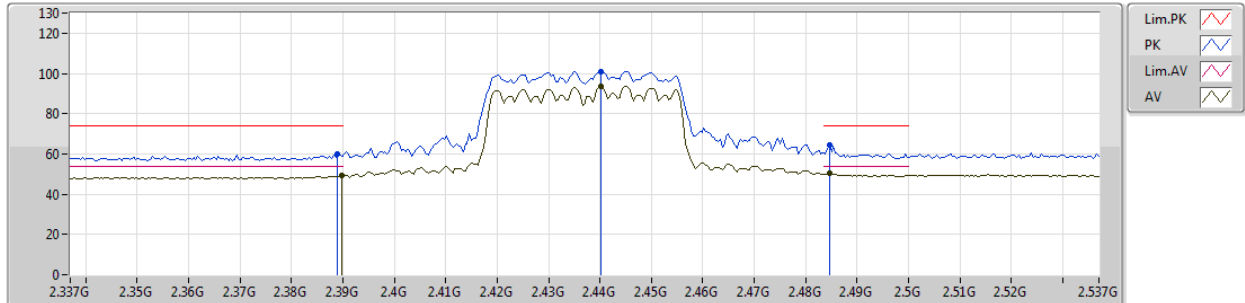


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	51.85	54.00	-2.15	32.01	3	Horizontal	259	1.50	-
AV	2.4452G	98.57	Inf	-Inf	32.18	3	Horizontal	259	1.50	-
AV	2.4996G	50.20	54.00	-3.80	32.34	3	Horizontal	259	1.50	-
PK	2.39G	62.92	74.00	-11.08	32.01	3	Horizontal	259	1.50	-
PK	2.4452G	106.32	Inf	-Inf	32.18	3	Horizontal	259	1.50	-
PK	2.4952G	60.91	74.00	-13.09	32.33	3	Horizontal	259	1.50	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2437MHz_TX

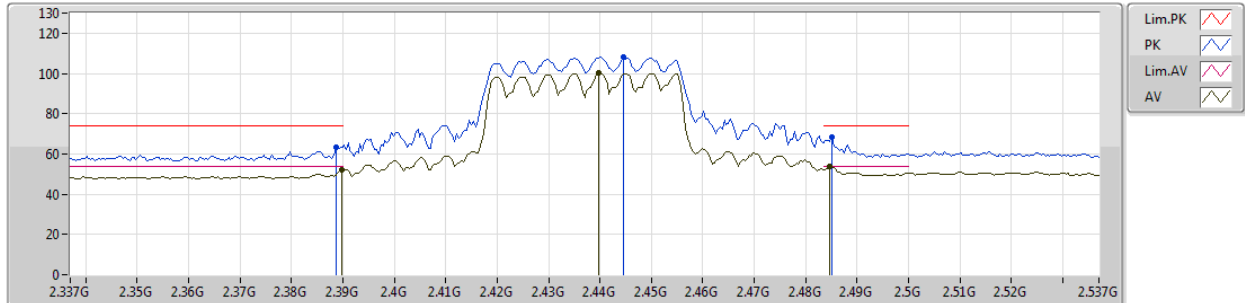


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	49.13	54.00	-4.87	32.01	3	Vertical	202	1.01	-
AV	2.4402G	93.46	Inf	-Inf	32.16	3	Vertical	202	1.01	-
AV	2.4846G	50.59	54.00	-3.41	32.29	3	Vertical	202	1.01	-
PK	2.389G	59.70	74.00	-14.30	32.00	3	Vertical	202	1.01	-
PK	2.4402G	101.06	Inf	-Inf	32.16	3	Vertical	202	1.01	-
PK	2.4846G	64.28	74.00	-9.72	32.29	3	Vertical	202	1.01	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2437MHz_TX

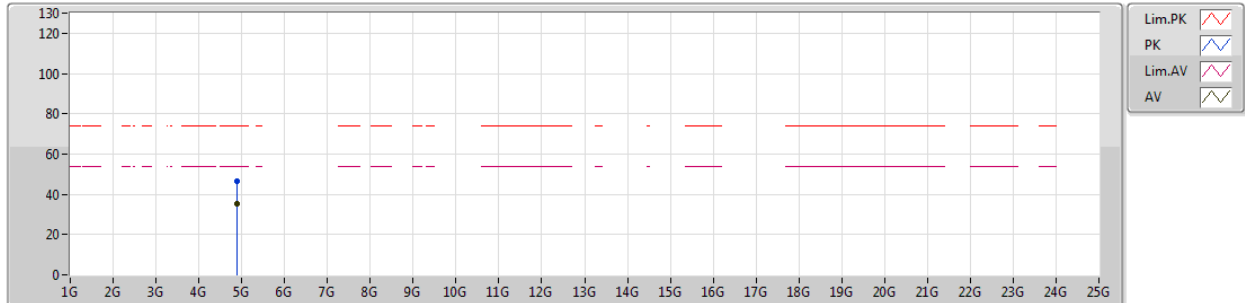


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	52.02	54.00	-1.98	32.01	3	Horizontal	266	1.01	-
AV	2.4398G	100.33	Inf	-Inf	32.16	3	Horizontal	266	1.01	-
AV	2.4846G	53.66	54.00	-0.34	32.29	3	Horizontal	266	1.01	-
PK	2.3886G	63.33	74.00	-10.67	32.00	3	Horizontal	266	1.01	-
PK	2.4446G	108.26	Inf	-Inf	32.18	3	Horizontal	266	1.01	-
PK	2.485G	68.15	74.00	-5.85	32.29	3	Horizontal	266	1.01	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2437MHz_TX

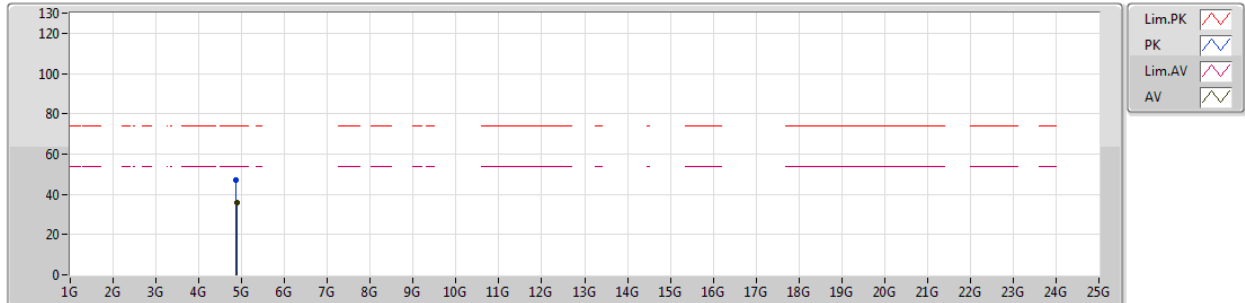


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88744G	35.12	54.00	-18.88	3.54	3	Vertical	176	2.97	-
PK	4.88636G	46.34	74.00	-27.66	3.54	3	Vertical	176	2.97	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2437MHz_TX

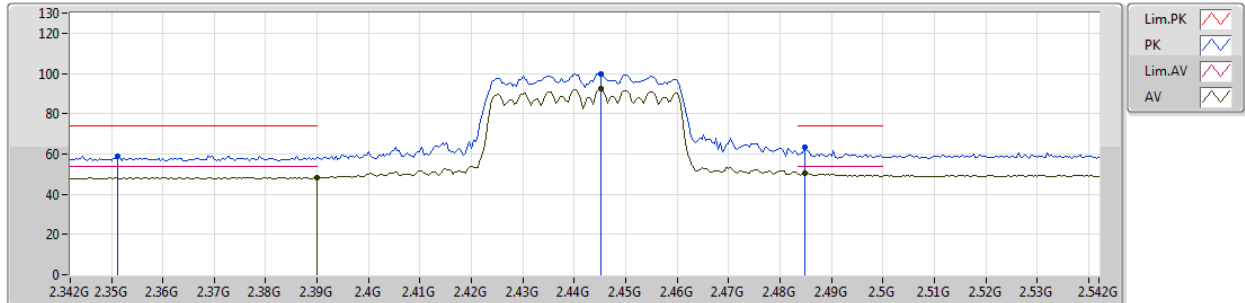


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88684G	36.07	54.00	-17.93	3.54	3	Horizontal	269	2.92	-
PK	4.87634G	46.89	74.00	-27.11	3.52	3	Horizontal	269	2.92	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2442MHz_TX

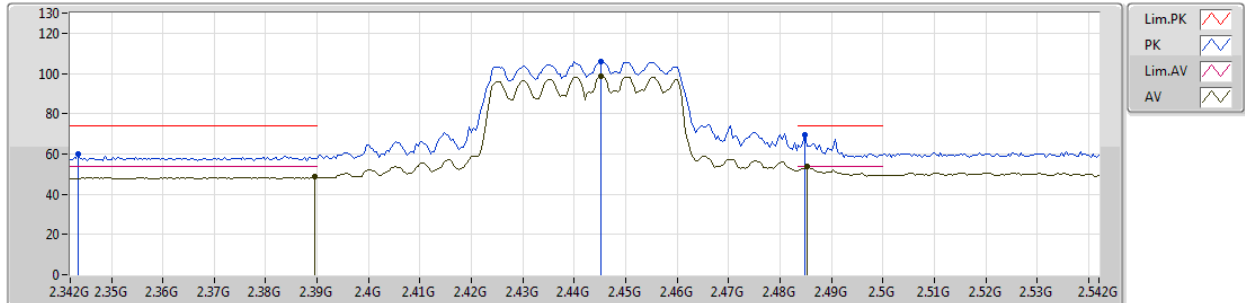


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	48.42	54.00	-5.58	32.01	3	Vertical	203	1.04	-
AV	2.4452G	92.23	Inf	-Inf	32.18	3	Vertical	203	1.04	-
AV	2.4848G	50.59	54.00	-3.41	32.29	3	Vertical	203	1.04	-
PK	2.3512G	58.93	74.00	-15.07	31.87	3	Vertical	203	1.04	-
PK	2.4452G	99.79	Inf	-Inf	32.18	3	Vertical	203	1.04	-
PK	2.4848G	63.57	74.00	-10.43	32.29	3	Vertical	203	1.04	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2442MHz_TX

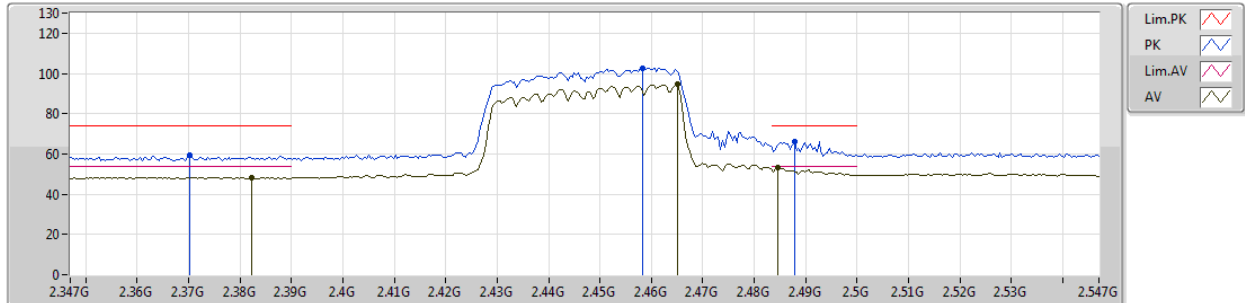


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3896G	48.66	54.00	-5.34	32.01	3	Horizontal	258	1.49	-
AV	2.4452G	98.48	Inf	-Inf	32.18	3	Horizontal	258	1.49	-
AV	2.4852G	53.82	54.00	-0.18	32.29	3	Horizontal	258	1.49	-
PK	2.3436G	59.69	74.00	-14.31	31.84	3	Horizontal	258	1.49	-
PK	2.4452G	106.17	Inf	-Inf	32.18	3	Horizontal	258	1.49	-
PK	2.4848G	69.72	74.00	-4.28	32.29	3	Horizontal	258	1.49	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2447MHz_TX

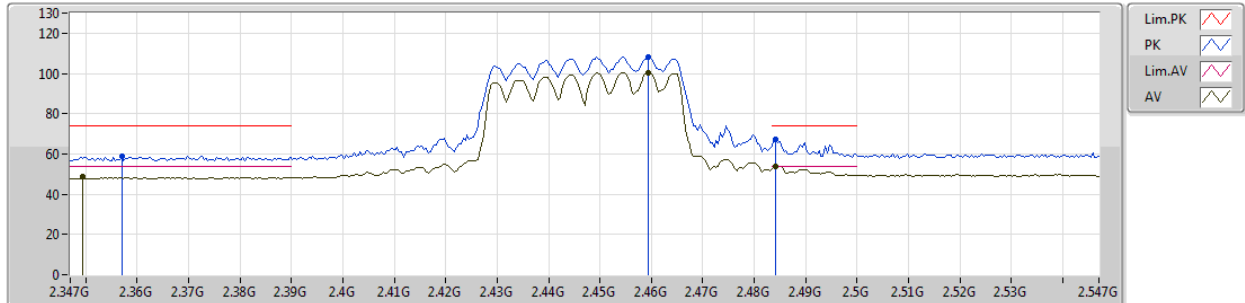


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3822G	48.33	54.00	-5.67	31.98	3	Vertical	98	2.99	-
AV	2.465G	94.43	Inf	-Inf	32.24	3	Vertical	98	2.99	-
AV	2.4846G	53.03	54.00	-0.97	32.29	3	Vertical	98	2.99	-
PK	2.3702G	59.27	74.00	-14.73	31.94	3	Vertical	98	2.99	-
PK	2.4582G	102.65	Inf	-Inf	32.21	3	Vertical	98	2.99	-
PK	2.4878G	66.13	74.00	-7.87	32.30	3	Vertical	98	2.99	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2447MHz_TX

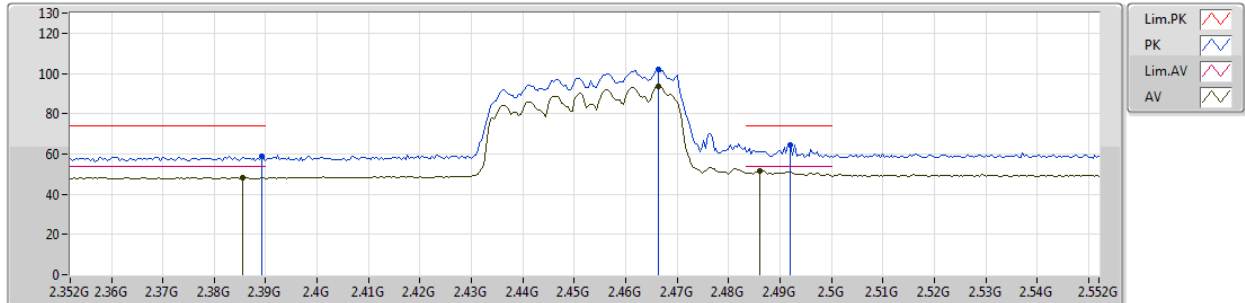


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3494G	48.55	54.00	-5.45	31.87	3	Horizontal	275	2.99	-
AV	2.4594G	100.43	Inf	-Inf	32.22	3	Horizontal	275	2.99	-
AV	2.4842G	53.82	54.00	-0.18	32.29	3	Horizontal	275	2.99	-
PK	2.357G	58.69	74.00	-15.31	31.90	3	Horizontal	275	2.99	-
PK	2.4594G	108.32	Inf	-Inf	32.22	3	Horizontal	275	2.99	-
PK	2.4842G	66.98	74.00	-7.02	32.29	3	Horizontal	275	2.99	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2452MHz_TX

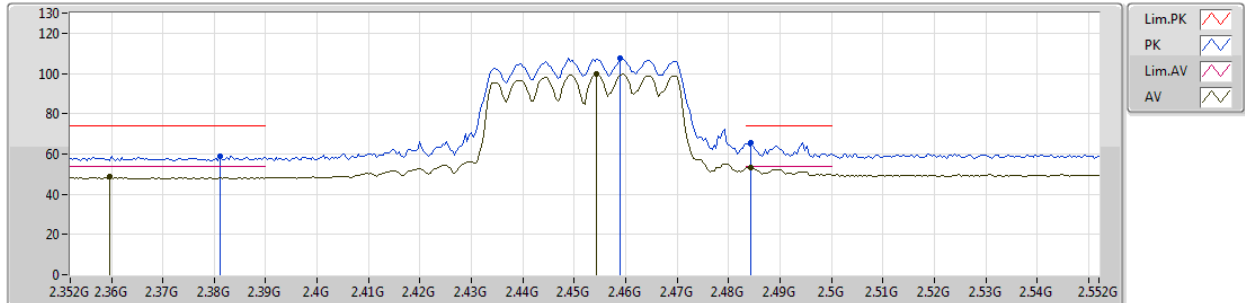


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3856G	48.36	54.00	-5.64	32.00	3	Vertical	138	2.99	-
AV	2.4664G	93.65	Inf	-Inf	32.24	3	Vertical	138	2.99	-
AV	2.486G	51.62	54.00	-2.38	32.30	3	Vertical	138	2.99	-
PK	2.3892G	58.75	74.00	-15.25	32.00	3	Vertical	138	2.99	-
PK	2.4664G	102.01	Inf	-Inf	32.24	3	Vertical	138	2.99	-
PK	2.492G	64.40	74.00	-9.60	32.32	3	Vertical	138	2.99	-

802.11n HT40_Nss1,(MCS0)_3TX

2452MHz_TX

20/12/2018

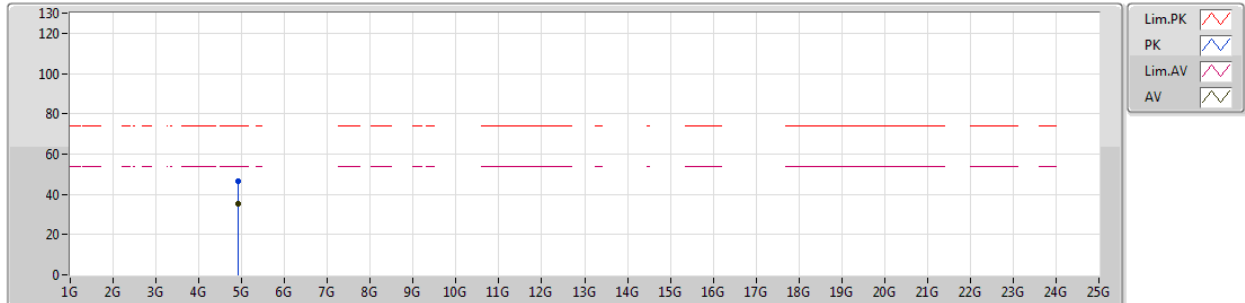


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3596G	48.49	54.00	-5.51	31.90	3	Horizontal	277	2.99	-
AV	2.4544G	99.54	Inf	-Inf	32.20	3	Horizontal	277	2.99	-
AV	2.4844G	53.51	54.00	-0.49	32.29	3	Horizontal	277	2.99	-
PK	2.3812G	58.74	74.00	-15.26	31.97	3	Horizontal	277	2.99	-
PK	2.4588G	107.56	Inf	-Inf	32.22	3	Horizontal	277	2.99	-
PK	2.4844G	65.84	74.00	-8.16	32.29	3	Horizontal	277	2.99	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2452MHz_TX

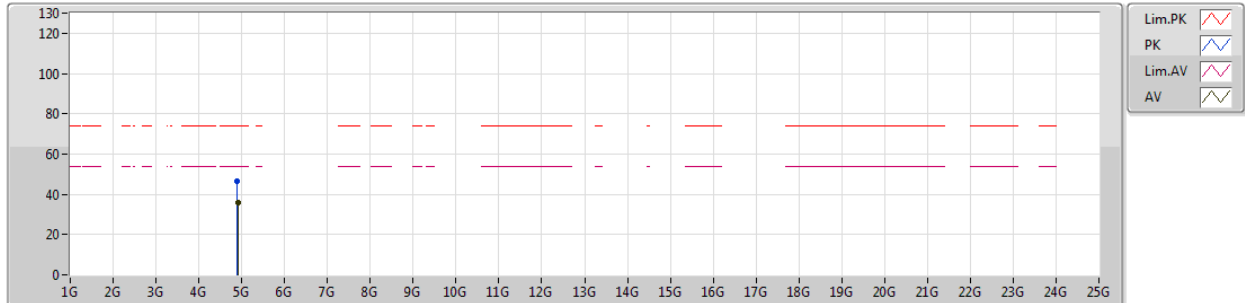


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.91618G	35.47	54.00	-18.53	3.61	3	Vertical	126	2.84	-
PK	4.90418G	46.24	74.00	-27.76	3.58	3	Vertical	126	2.84	-

802.11n HT40_Nss1,(MCS0)_3TX

20/12/2018

2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.91264G	35.77	54.00	-18.23	3.60	3	Horizontal	258	2.90	-
PK	4.9004G	46.68	74.00	-27.32	3.57	3	Horizontal	258	2.90	-

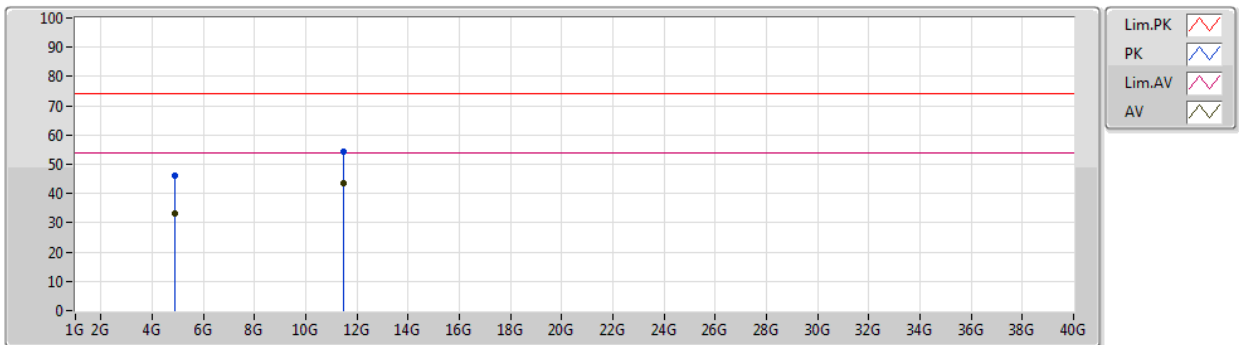


Summary

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	11.48237G	44.78	54.00	-9.22	14.77	3	Horizontal	292	1.72	-

Radiation-above 1GHz_Mode 1

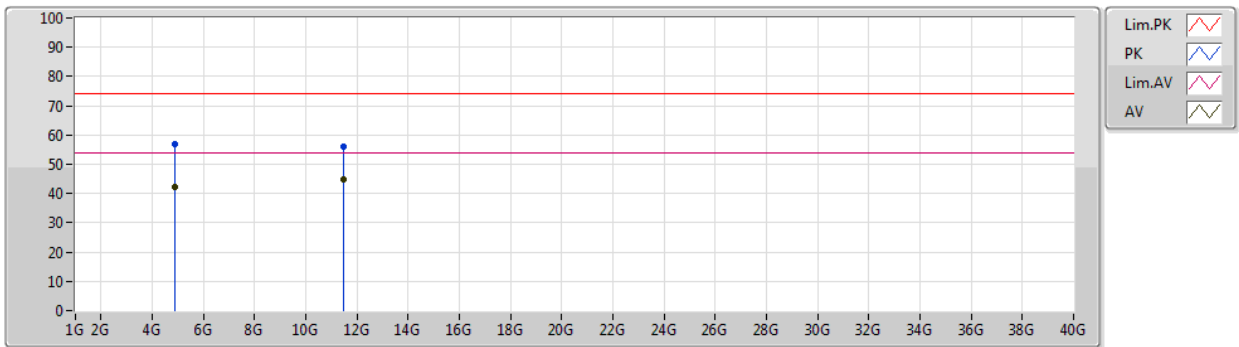
29/12/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
AV	4.87487G	33.15	54.00	-20.85	3.69	3	Vertical	114	1.65	-				
AV	11.48327G	43.69	54.00	-10.31	14.77	3	Vertical	233	2.16	-				
PK	4.87410G	46.29	74.00	-27.71	3.69	3	Vertical	114	1.65	-				
PK	11.48568G	54.36	74.00	-19.64	14.77	3	Vertical	233	2.16	-				

Radiation-above 1GHz_Mode 1

29/12/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
AV	4.87626G	42.15	54.00	-11.85	3.70	3	Horizontal	325	2.17	-				
AV	11.48237G	44.78	54.00	-9.22	14.77	3	Horizontal	292	1.72	-				
PK	4.87674G	56.78	74.00	-17.22	3.70	3	Horizontal	325	2.17	-				
PK	11.48169G	55.83	74.00	-18.17	14.77	3	Horizontal	292	1.72	-				