



FCC Test Report

FCC ID : 2AJ7M-MN1
Equipment : Mini
Brand Name : Molekule
Model Name : MEP1
Applicant : Molekule Inc.
1308 Folsom St San Francisco CA 94103
United States Of America
Manufacturer : Inventec Appliances(Pudong)Corporation
789 PU XING RD CAOHEJING EXPORT
PROCESSING ZONE SHANGHAI
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 19, 2019, and testing was started from Jun. 26, 2019 and completed on Jul. 05, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	6
1.3 Testing Location Information	6
1.4 Measurement Uncertainty	7
2 TEST CONFIGURATION OF EUT.....	8
2.1 Test Condition	8
2.2 Test Channel Mode	8
2.3 The Worst Case Measurement Configuration.....	9
2.4 Support Equipment.....	9
2.5 Test Setup Diagram	10
3 TRANSMITTER TEST RESULT	12
3.1 AC Power-line Conducted Emissions	12
3.2 DTS Bandwidth.....	13
3.3 Maximum Conducted Output Power	14
3.4 Power Spectral Density	16
3.5 Emissions in Non-restricted Frequency Bands	17
3.6 Emissions in Restricted Frequency Bands.....	18
4 TEST EQUIPMENT AND CALIBRATION DATA	21
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR961409AC	01	Initial issue of report	Aug. 08, 2019
FR961409AC	02	Update Applicant's address and Manufacturer This report is the latest version replacing for the report issued on Aug. 08, 2019	Aug. 12, 2019

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Jackson Tsai

Report Producer: Jenny Yang

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]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g and HT20 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	Gain (dBi)
1	-	-	PCB	murata	3.5

Note 1: The EUT has one antenna.

For 2.4GHz function:

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Switching Power Supply		
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	0.532	2.74	4.533m	300
802.11g	0.381	4.19	2.114m	1k
802.11n HT20	0.366	4.37	1.97m	1k

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

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 558074 D01 v05r02

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Jeff	21.2~23.2°C / 51.8~53.6%	28/Jun/2019
RF Conducted	TH06-HY	Gary	23.2~24.8°C / 62~65%	03/Jul/2019~ 05/Jul/2019
Radiated	03CH01-HY	Edward	26.8~27.9°C / 59.4~61.8%	26/Jun/2019~ 03/Jul/2019

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	DOS
---------------	-----

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX(Port1)	-
2412MHz	18
2437MHz	18
2462MHz	18
802.11g_Nss1,(6Mbps)_1TX(Port1)	-
2412MHz	14
2417MHz	18
2437MHz	18
2457MHz	18
2462MHz	14
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-
2412MHz	12
2417MHz	17
2437MHz	18
2457MHz	18
2462MHz	13

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	Switching Power Supply 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

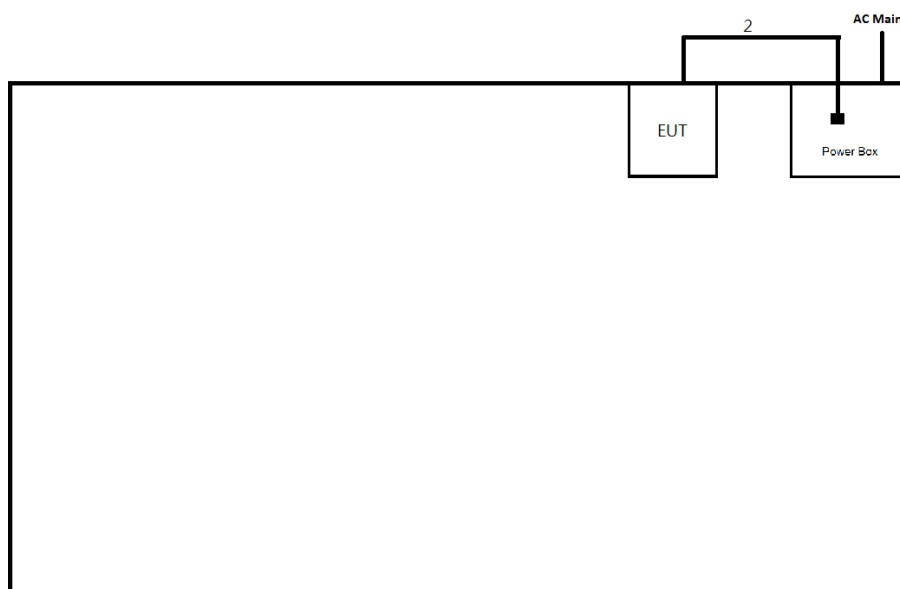
The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	Switching Power Supply mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Z Plane
	

2.4 Support Equipment

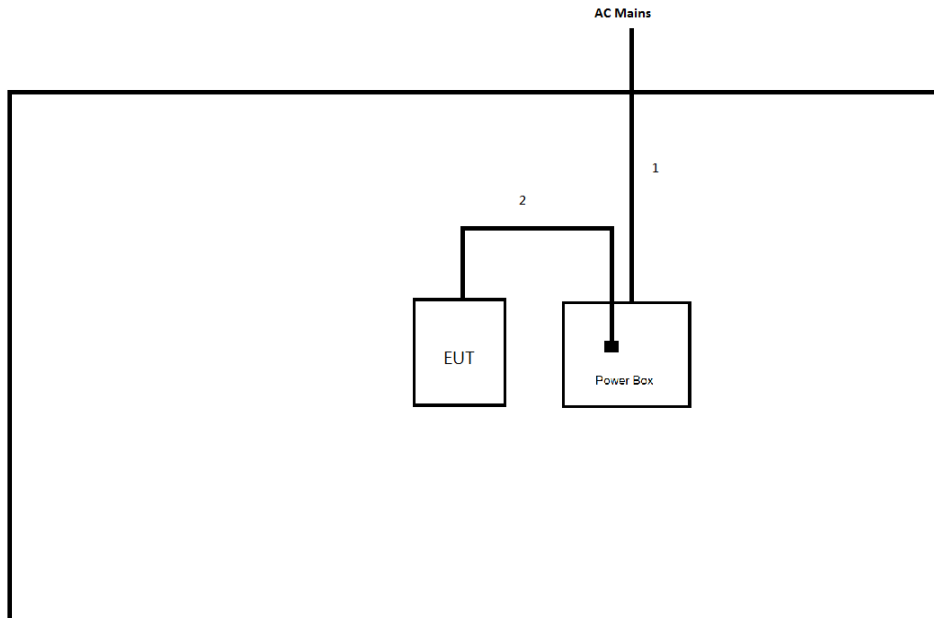
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	R33002
2	Adapter for NB	DELL	HA65NM130	R35737
3	AC Power Supply	GW	APS-9102	-
4	Fixture	-	-	-

2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	AC Power line	No	0.6	-

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	AC Power line	No	0.6	-

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.

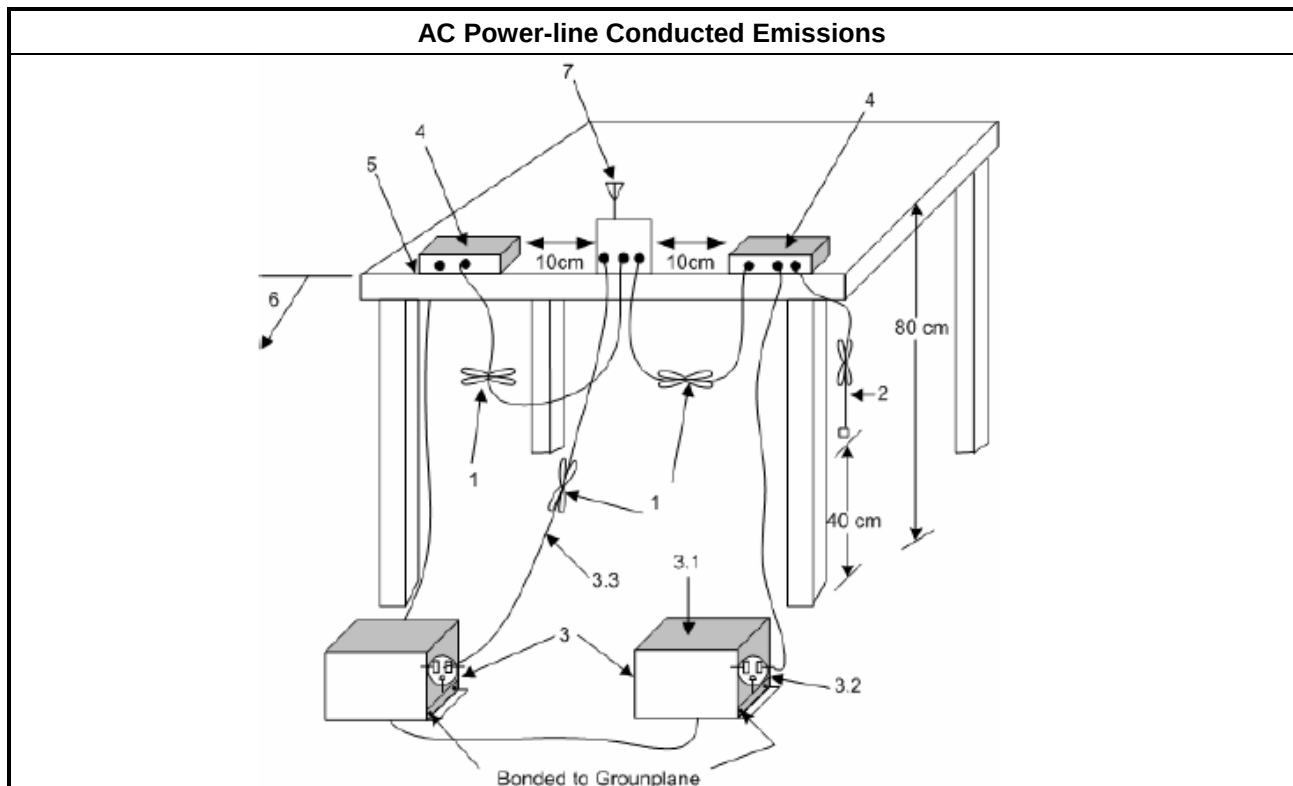
3.1.2 Measuring Instruments

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.

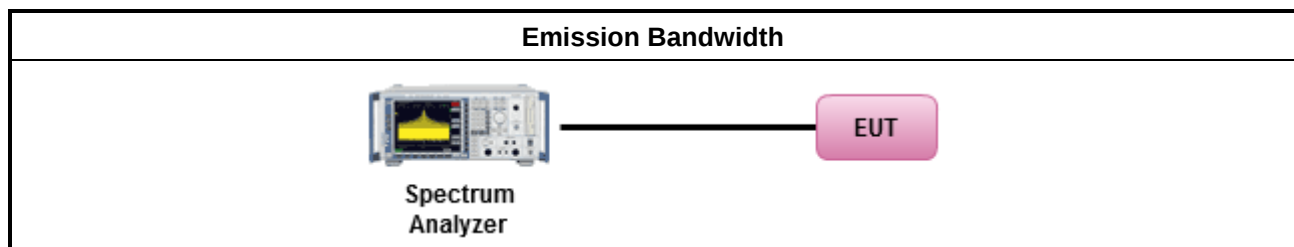
3.2.2 Measuring Instruments

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.		

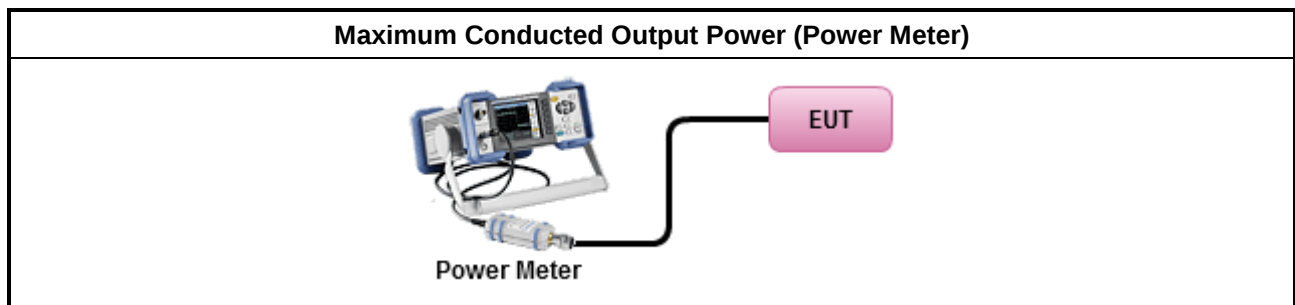
3.3.2 Measuring Instruments

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

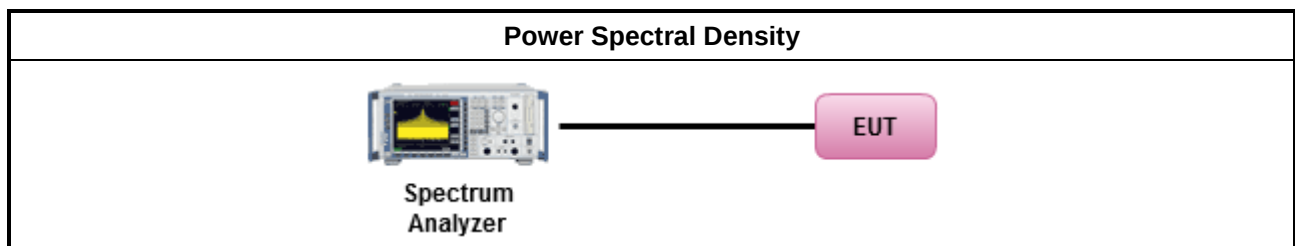
3.4.2 Measuring Instruments

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 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 level.	

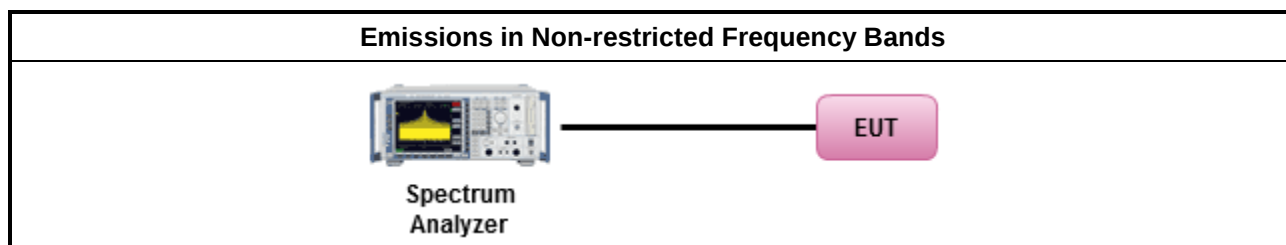
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

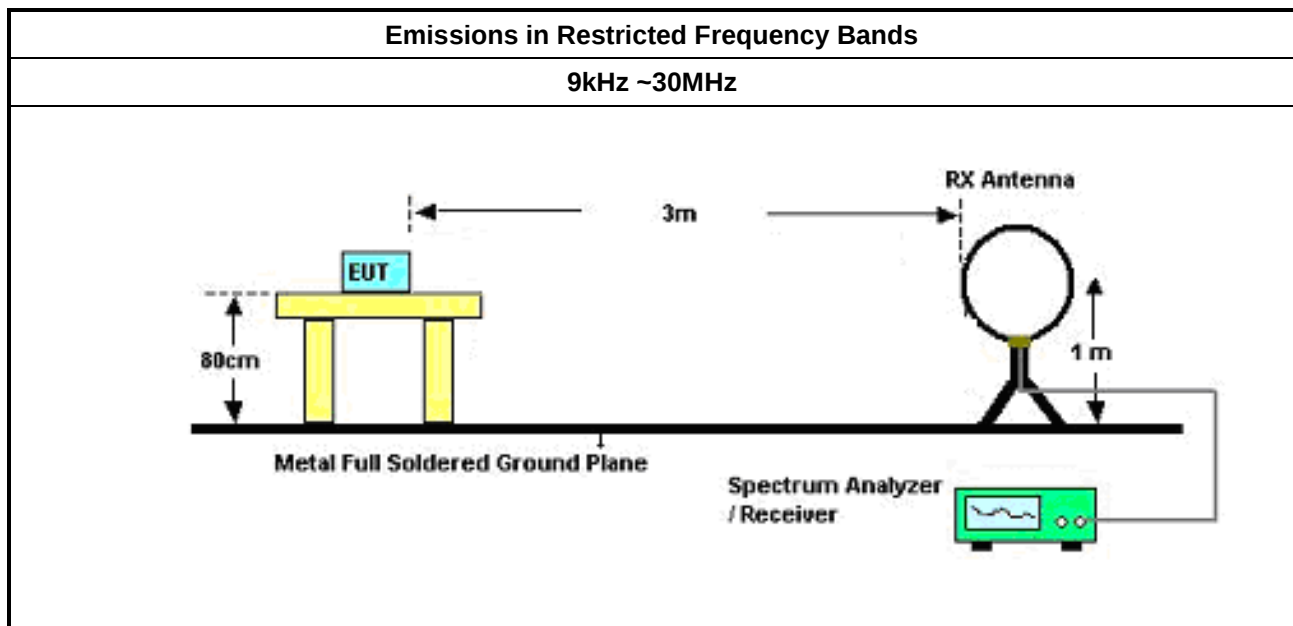
3.6.2 Measuring Instruments

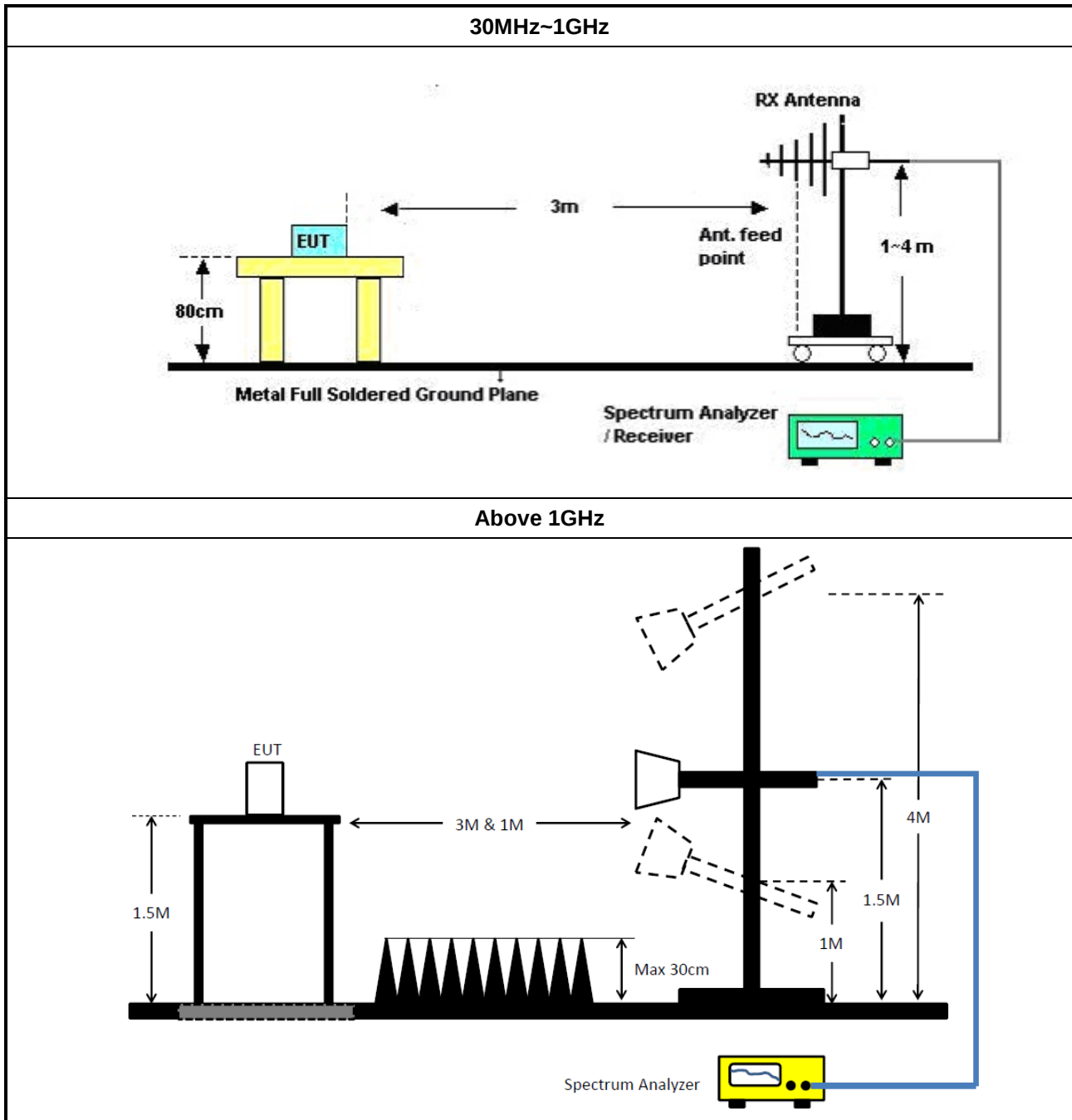
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.

3.6.4 Test Setup





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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
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 Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	10Hz~40GHz	18/Jul/2018	17/Jul/2019
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

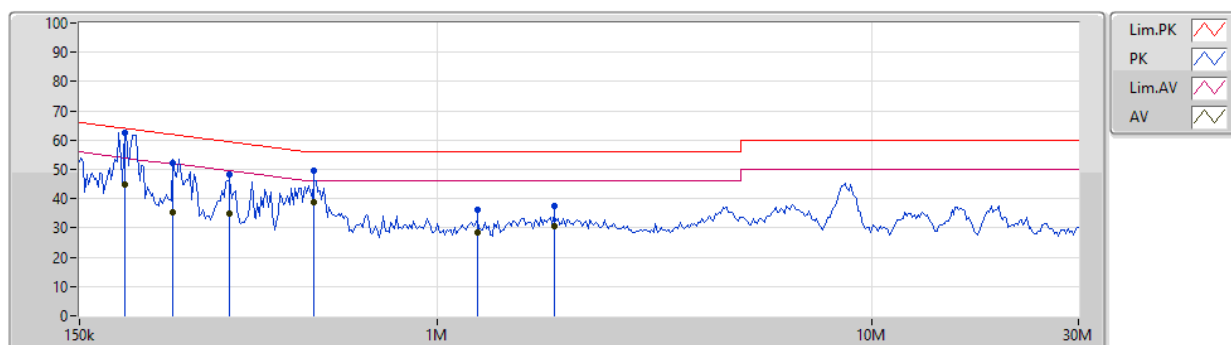
**Instrument for Radiated Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	Riken	SAC-3M	03CH01-HY	30MHz ~ 1GHz 3m	11/Jan/2019	10/Jan/2020
3m Semi Anechoic Chamber	Riken	SAC-3M	03CH01-HY	1GHz ~ 18GHz 3m	09/Jan/2019	08/Jan/2020
PreAmplifier	COM-POWER	PA-103	161050	1 MHz ~ 1.0GHz	24/Jul/2018	23/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02602	1GHz ~ 26.5GHz	27/Mar/2019	26/Mar/2020
Spectrum Analyzer	R&S	FSV40	101407	10Hz ~ 40GHz	16/Aug/2018	15/Aug/2019
RF Cable-R03m	Jye Bao	RG142	CB019	9kHz ~ 1GHz	14/Dec/2018	13/Dec/2019
RF Cable-HIGH	SUHNER	SUCOFLEX 104	SN805196/4+MY 39495	1 GHz ~ 18 GHz	13/Mar/2019	12/Mar/2020
Bilog Antenna & 5db Attenuator	SCHAFFNER/MTJ	CBL6112D / MTJ6102-05	2678 / 001	30MHz ~ 2GHz	07/Jul/2018	06/Jul/2019
EMI Test Receiver	R&S	ESU-26	100422	20Hz ~ 26.5GHz	25/Oct/2018	24/Oct/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170339	18GHz ~ 40GHz	19/Apr/2019	18/Apr/2020
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D-1130	1GHz ~ 18GHz	26/Oct/2018	25/Oct/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter Mode		

28/06/2019

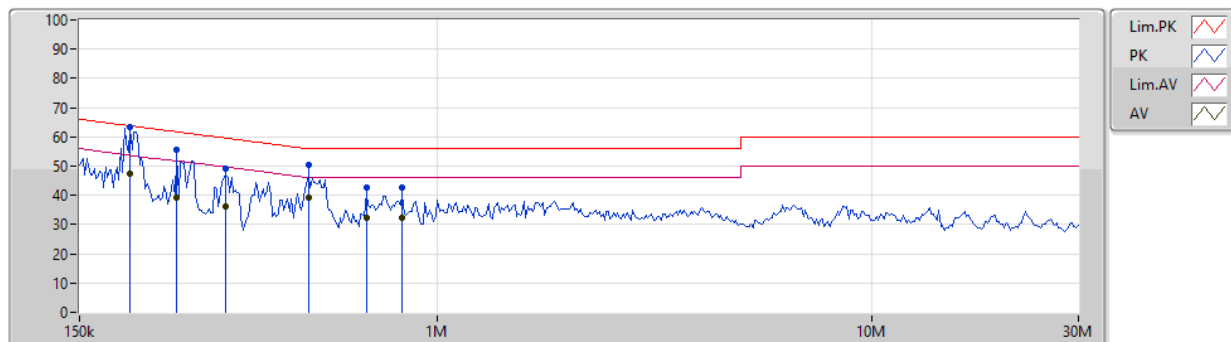


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	190.46k	62.69	64.01	-1.32	19.47	Neutral	"Worst"	43.22	9.59	0.01	9.87			
AV	190.46k	44.96	54.01	-9.05	19.47	Neutral	-	25.49	9.59	0.01	9.87			
QP	246.695k	51.97	61.87	-9.90	19.47	Neutral	-	32.50	9.59	0.01	9.87			
AV	246.695k	35.52	51.87	-16.35	19.47	Neutral	-	16.05	9.59	0.01	9.87			
QP	332.507k	48.33	59.38	-11.05	19.48	Neutral	-	28.85	9.59	0.01	9.88			
AV	332.507k	34.83	49.38	-14.55	19.48	Neutral	-	15.35	9.59	0.01	9.88			
QP	520.311k	49.58	56.00	-6.42	19.48	Neutral	-	30.10	9.59	0.01	9.88			
AV	520.311k	38.99	46.00	-7.01	19.48	Neutral	-	19.51	9.59	0.01	9.88			
QP	1.237M	36.26	56.00	-19.74	19.50	Neutral	-	16.76	9.60	0.02	9.88			
AV	1.237M	28.30	46.00	-17.70	19.50	Neutral	-	8.80	9.60	0.02	9.88			
QP	1.86M	37.61	56.00	-18.39	19.53	Neutral	-	18.08	9.61	0.03	9.89			
AV	1.86M	30.50	46.00	-15.50	19.53	Neutral	-	10.97	9.61	0.03	9.89			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter Mode		

28/06/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	196.231k	63.37	63.76	-0.39	19.48	Line	"Worst"	43.89	9.60	0.01	9.87			
AV	196.231k	47.40	53.76	-6.36	19.48	Line	-	27.92	9.60	0.01	9.87			
QP	251.653k	55.62	61.70	-6.08	19.48	Line	-	36.14	9.60	0.01	9.87			
AV	251.653k	39.21	51.70	-12.49	19.48	Line	-	19.73	9.60	0.01	9.87			
QP	325.956k	48.94	59.56	-10.62	19.48	Line	-	29.46	9.59	0.01	9.88			
AV	325.956k	36.16	49.56	-13.40	19.48	Line	-	16.68	9.59	0.01	9.88			
QP	505.009k	50.28	56.00	-5.72	19.48	Line	-	30.80	9.59	0.01	9.88			
AV	505.009k	39.32	46.00	-6.68	19.48	Line	-	19.84	9.59	0.01	9.88			
QP	687.482k	42.50	56.00	-13.50	19.49	Line	-	23.01	9.60	0.01	9.88			
AV	687.482k	32.16	46.00	-13.84	19.49	Line	-	12.67	9.60	0.01	9.88			
QP	830.553k	42.67	56.00	-13.33	19.50	Line	-	23.17	9.60	0.02	9.88			
AV	830.553k	32.22	46.00	-13.78	19.50	Line	-	12.72	9.60	0.02	9.88			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	10.075M	13.768M	13M8G1D	10.075M	13.643M
802.11g_Nss1,(6Mbps)_1TX(Port1)	16.325M	16.917M	16M9D1D	16.325M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	17.6M	17.966M	18M0D1D	17.55M	17.716M

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

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

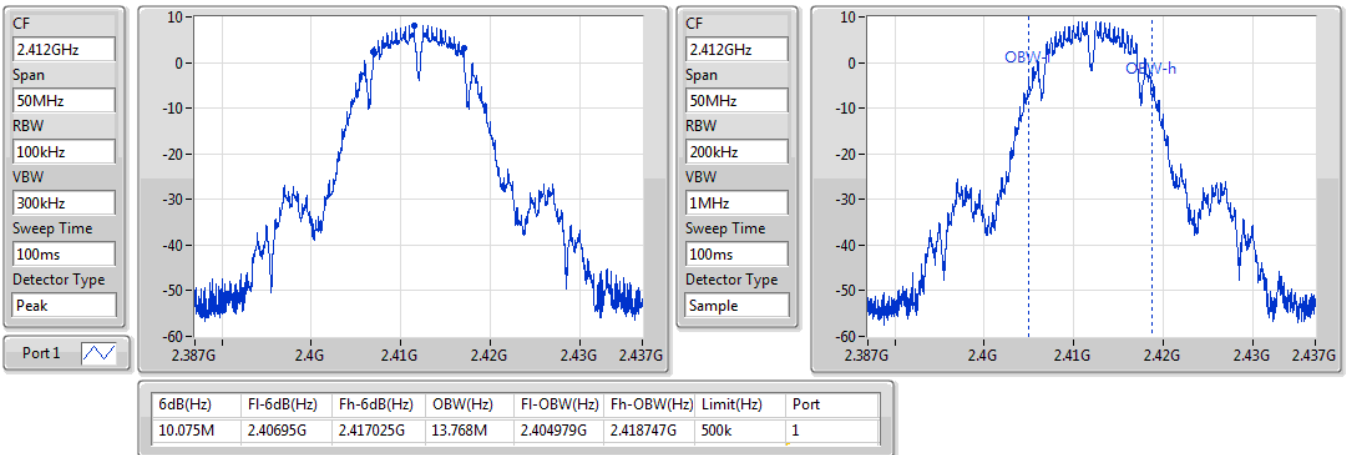
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-
2412MHz	Pass	500k	10.075M	13.768M
2437MHz	Pass	500k	10.075M	13.693M
2462MHz	Pass	500k	10.075M	13.643M
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M
2437MHz	Pass	500k	16.325M	16.917M
2462MHz	Pass	500k	16.325M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-
2412MHz	Pass	500k	17.575M	17.716M
2437MHz	Pass	500k	17.55M	17.966M
2462MHz	Pass	500k	17.6M	17.716M

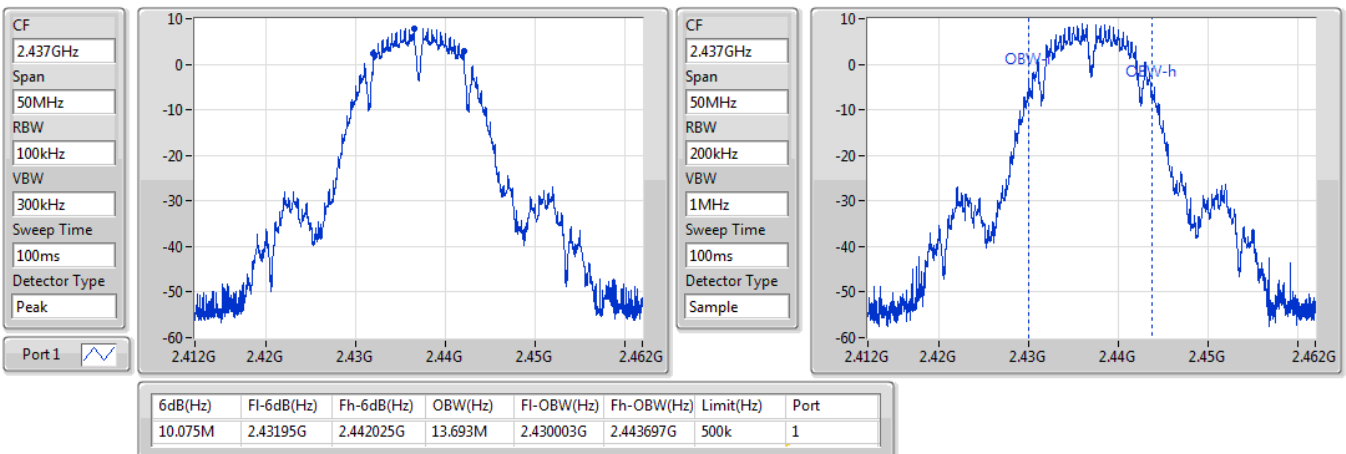
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX(Port1)
EBW
2412MHz

03/07/2019

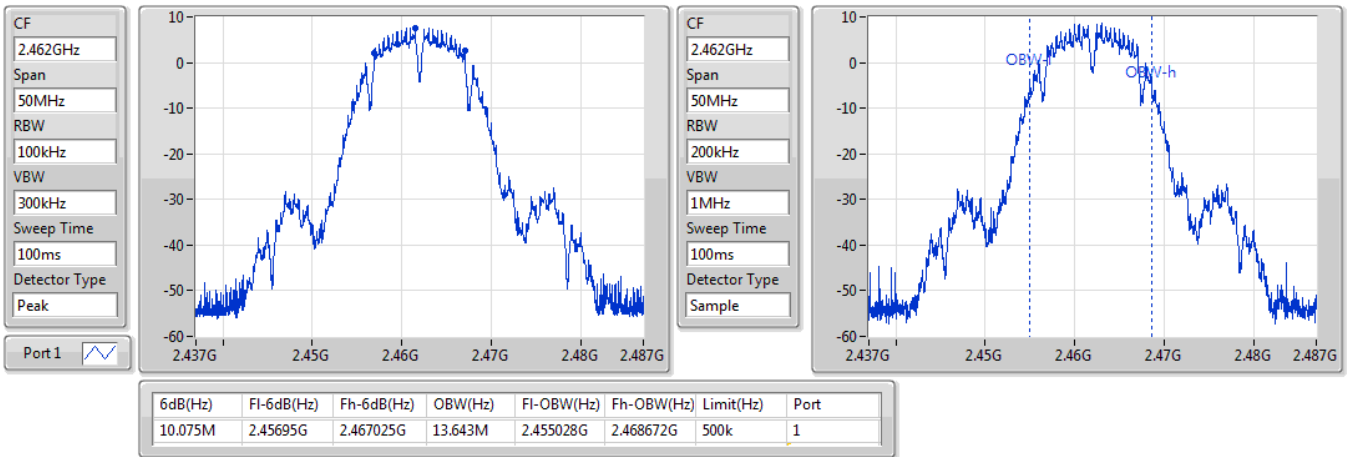

802.11b_Nss1,(1Mbps)_1TX(Port1)
EBW
2437MHz

03/07/2019

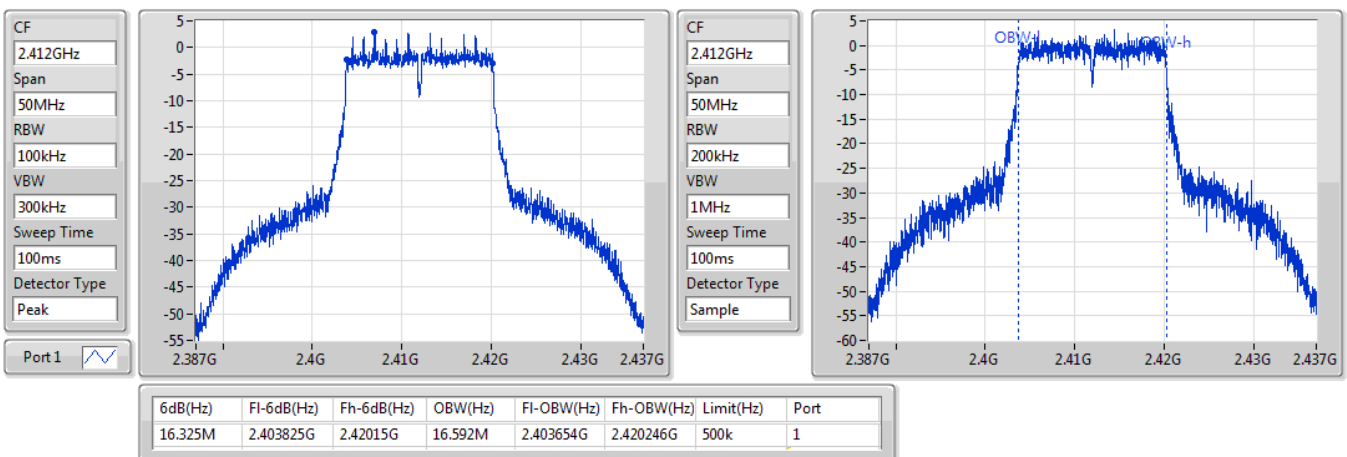


802.11b_Nss1,(1Mbps)_1TX(Port1)
EBW
2462MHz

03/07/2019

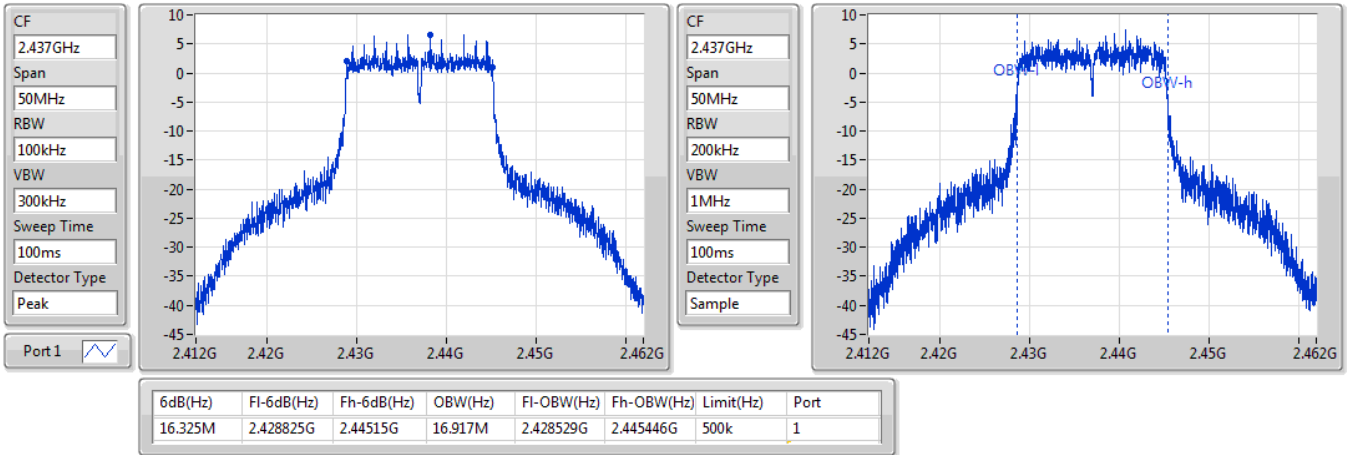

802.11g_Nss1,(6Mbps)_1TX(Port1)
EBW
2412MHz

05/07/2019

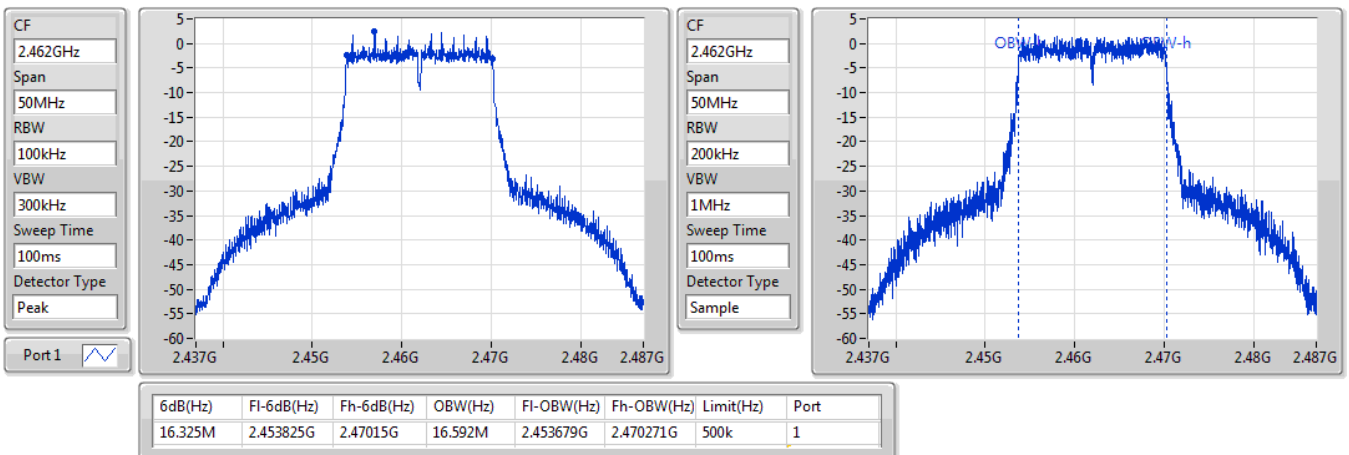


802.11g_Nss1,(6Mbps)_1TX(Port1)
EBW
2437MHz

05/07/2019

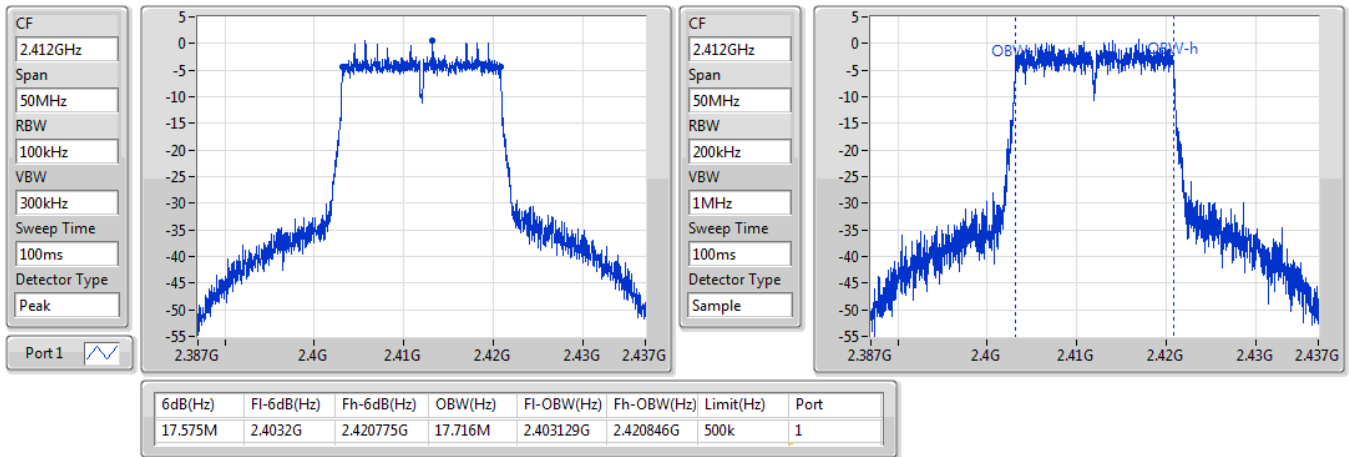

802.11g_Nss1,(6Mbps)_1TX(Port1)
EBW
2462MHz

05/07/2019

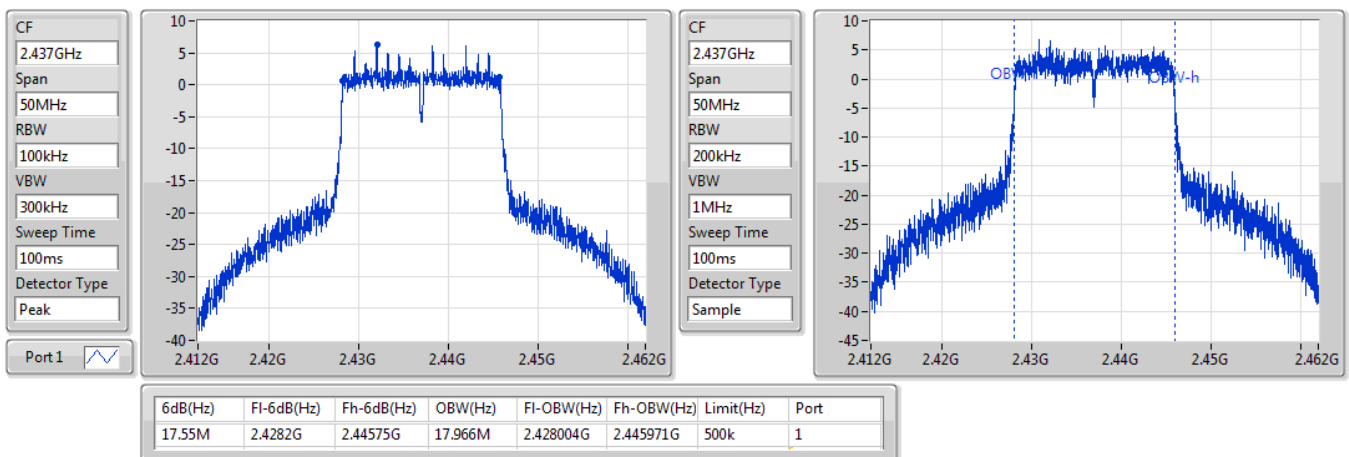


802.11n HT20_Nss1,(MCS0)_1TX(Port1)
EBW
2412MHz

05/07/2019


802.11n HT20_Nss1,(MCS0)_1TX(Port1)
EBW
2437MHz

05/07/2019

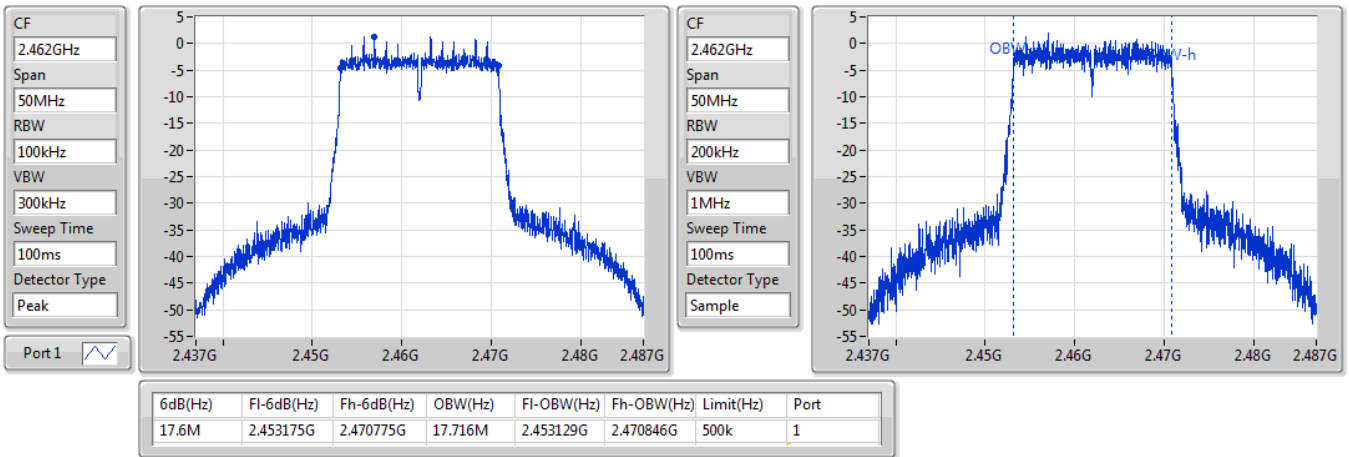


802.11n HT20_Nss1,(MCS0)_1TX(Port1)

EBW

2462MHz

05/07/2019





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	18.30	0.06761
802.11g_Nss1,(6Mbps)_1TX(Port1)	17.86	0.06109
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	17.48	0.05598

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz	Pass	3.50	18.30	18.30	30.00
2437MHz	Pass	3.50	18.02	18.02	30.00
2462MHz	Pass	3.50	17.68	17.68	30.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz	Pass	3.50	14.25	14.25	30.00
2417MHz	Pass	3.50	17.41	17.41	30.00
2437MHz	Pass	3.50	17.86	17.86	30.00
2457MHz	Pass	3.50	17.07	17.07	30.00
2462MHz	Pass	3.50	13.90	13.90	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-
2412MHz	Pass	3.50	12.83	12.83	30.00
2417MHz	Pass	3.50	16.88	16.88	30.00
2437MHz	Pass	3.50	17.48	17.48	30.00
2457MHz	Pass	3.50	17.10	17.10	30.00
2462MHz	Pass	3.50	13.00	13.00	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	-5.56
802.11g_Nss1,(6Mbps)_1TX(Port1)	-9.37
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-8.16

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz	Pass	3.50	-5.56	-5.56	8.00
2437MHz	Pass	3.50	-5.82	-5.82	8.00
2462MHz	Pass	3.50	-6.15	-6.15	8.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-
2412MHz	Pass	3.50	-12.98	-12.98	8.00
2437MHz	Pass	3.50	-9.37	-9.37	8.00
2462MHz	Pass	3.50	-13.39	-13.39	8.00
802.11n_HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-
2412MHz	Pass	3.50	-13.15	-13.15	8.00
2437MHz	Pass	3.50	-8.16	-8.16	8.00
2462MHz	Pass	3.50	-13.09	-13.09	8.00

DG = Directional Gain; RBW=3 kHz;

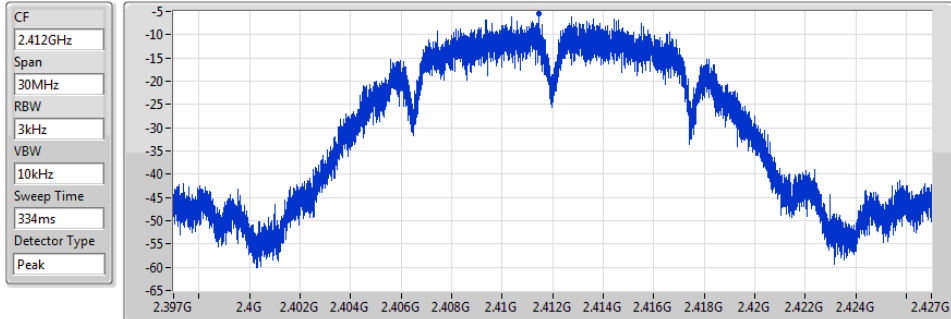
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX(Port1)

PSD

2412MHz

03/07/2019



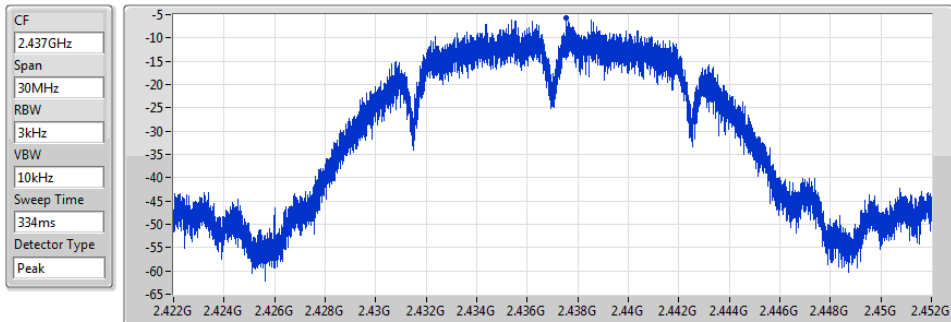
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.56	-5.56	-5.56

802.11b_Nss1,(1Mbps)_1TX(Port1)

PSD

2437MHz

03/07/2019



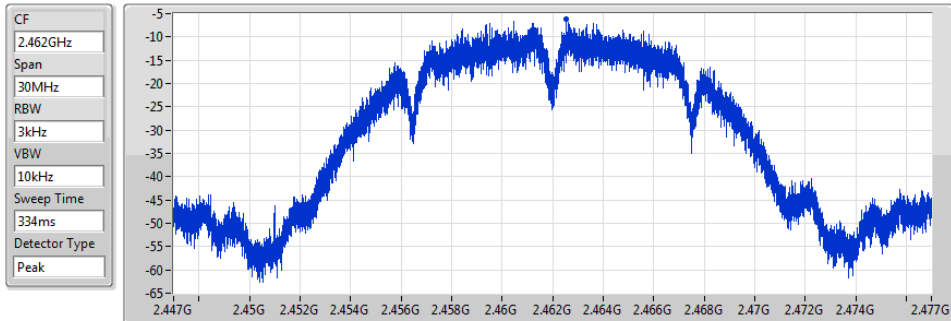
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.82	-5.82	-5.82

802.11b_Nss1,(1Mbps)_1TX(Port1)

PSD

2462MHz

03/07/2019



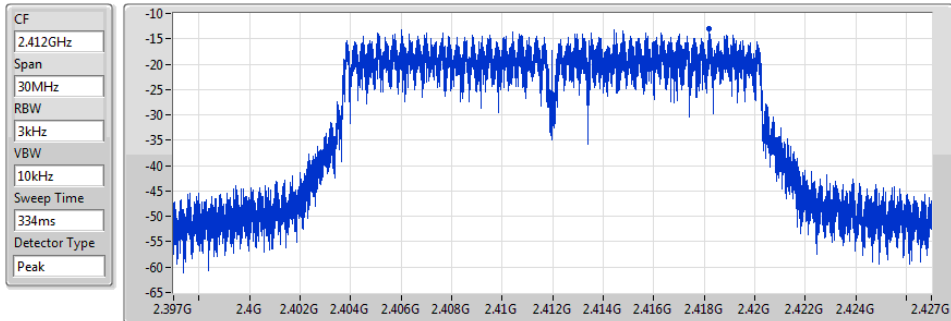
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.15	-6.15	-6.15

802.11g_Nss1,(6Mbps)_1TX(Port1)

PSD

2412MHz

05/07/2019



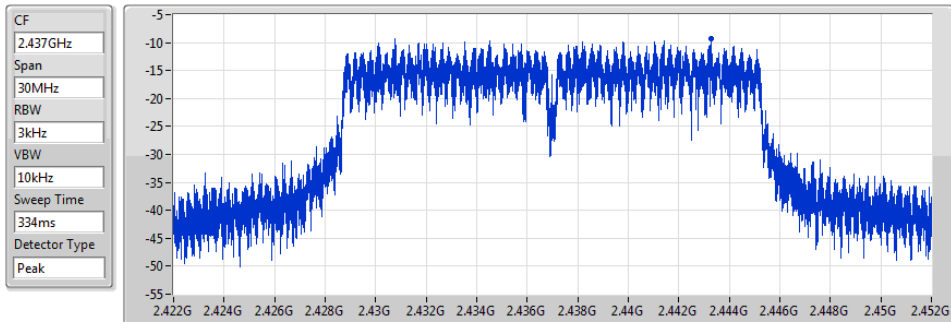
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-12.98	-12.98	-12.98

802.11g_Nss1,(6Mbps)_1TX(Port1)

PSD

2437MHz

05/07/2019



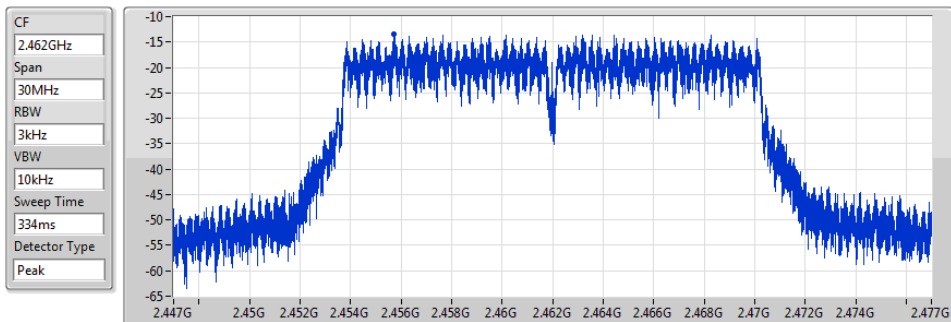
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-9.37	-9.37	-9.37

802.11g_Nss1,(6Mbps)_1TX(Port1)

PSD

2462MHz

05/07/2019



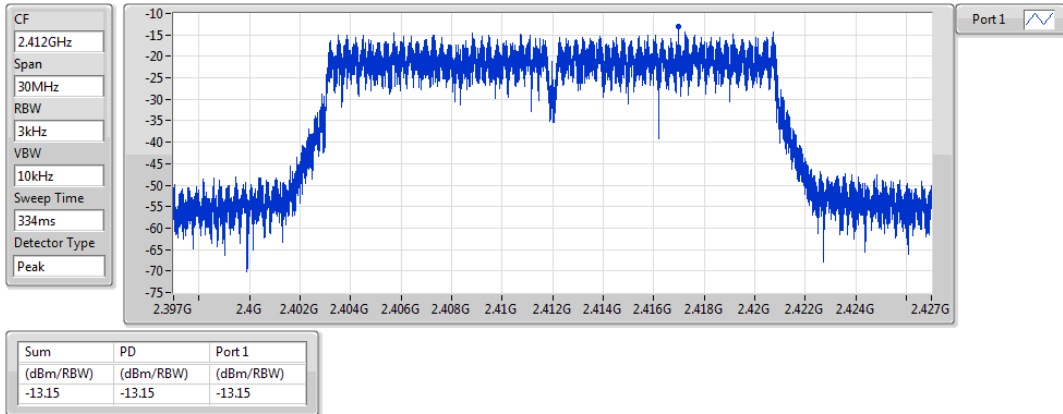
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-13.39	-13.39	-13.39

802.11n HT20_Nss1,(MCS0)_1TX(Port1)

PSD

2412MHz

05/07/2019

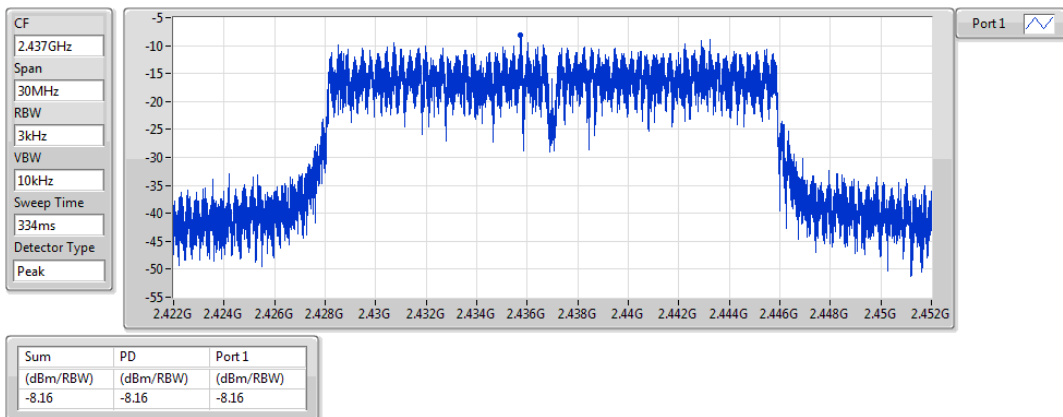


802.11n HT20_Nss1,(MCS0)_1TX(Port1)

PSD

2437MHz

05/07/2019

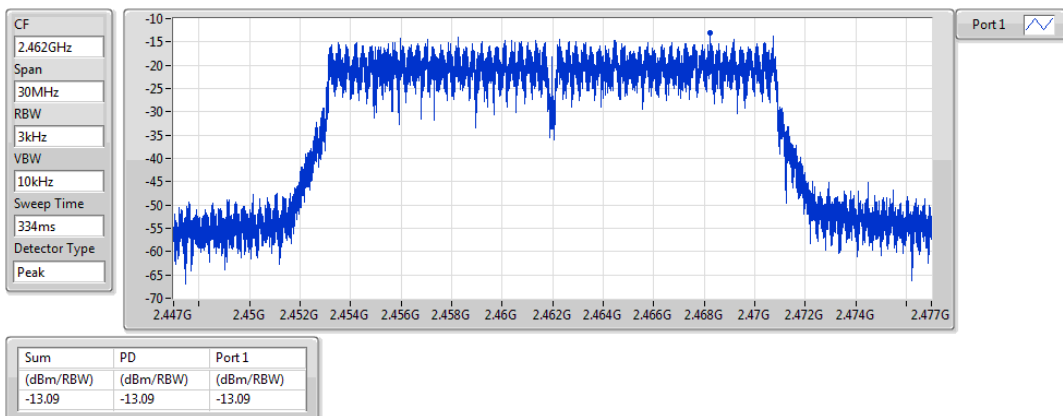


802.11n HT20_Nss1,(MCS0)_1TX(Port1)

PSD

2462MHz

05/07/2019





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	Pass	2.41298G	8.26	-21.74	1.80837G	-63.56	2.397G	-26.69	2.4839G	-58.71	7.23514G	-47.84	1
802.11g_Nss1,(6Mbps)_1TX(Port1)	Pass	2.43198G	6.63	-23.37	2.30845G	-61.67	2.39952G	-27.68	2.48438G	-57.18	14.5119G	-50.70	1
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	Pass	2.43574G	6.48	-23.52	2.30932G	-61.70	2.39826G	-30.60	2.4981G	-56.43	16.26507G	-51.08	1

Result

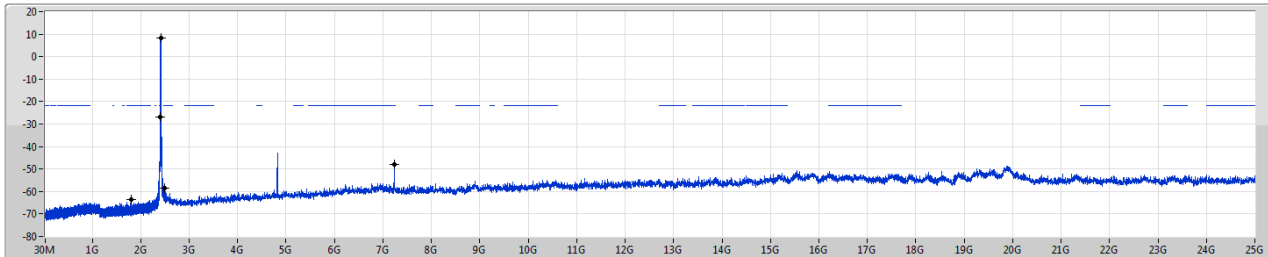
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41298G	8.26	-21.74	1.80837G	-63.56	2.397G	-26.69	2.4839G	-58.71	7.23514G	-47.84	1
2437MHz	Pass	2.41298G	8.26	-21.74	2.3G	-62.99	2.39992G	-56.11	2.48824G	-57.00	17.50409G	-50.80	1
2462MHz	Pass	2.41298G	8.26	-21.74	1.97584G	-63.69	2.39666G	-59.96	2.4841G	-48.29	16.23978G	-51.17	1
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	6.63	-23.37	2.30845G	-61.67	2.39952G	-27.68	2.48438G	-57.18	14.5119G	-50.70	1
2437MHz	Pass	2.43198G	6.63	-23.37	2.30554G	-61.17	2.3988G	-51.00	2.48452G	-56.41	17.44509G	-51.49	1
2462MHz	Pass	2.43198G	6.63	-23.37	2.30525G	-61.59	2.39192G	-57.59	2.48388G	-39.18	16.20607G	-51.74	1
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	6.48	-23.52	2.30932G	-61.70	2.39826G	-30.60	2.4981G	-56.43	16.26507G	-51.08	1
2437MHz	Pass	2.43574G	6.48	-23.52	2.30466G	-61.97	2.39982G	-48.35	2.48494G	-53.32	15.20587G	-51.96	1
2462MHz	Pass	2.43574G	6.48	-23.52	2.30961G	-61.93	2.39302G	-56.97	2.48358G	-38.29	16.85227G	-51.02	1

802.11b_Nss1,(1Mbps)_1TX(Port1)

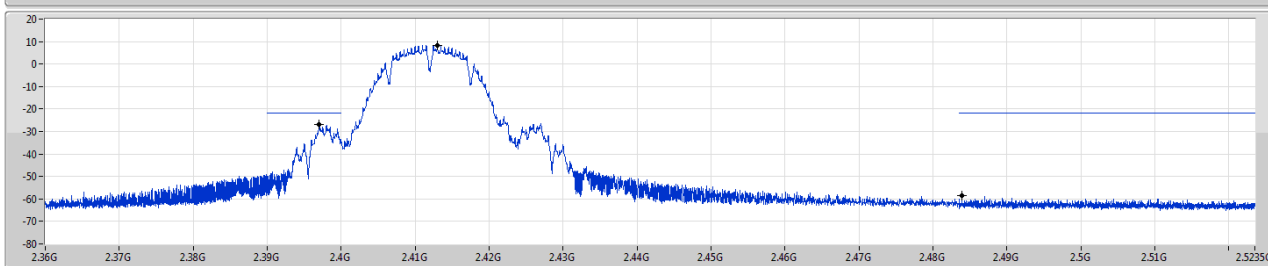
CSE NdB

2412MHz

03/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

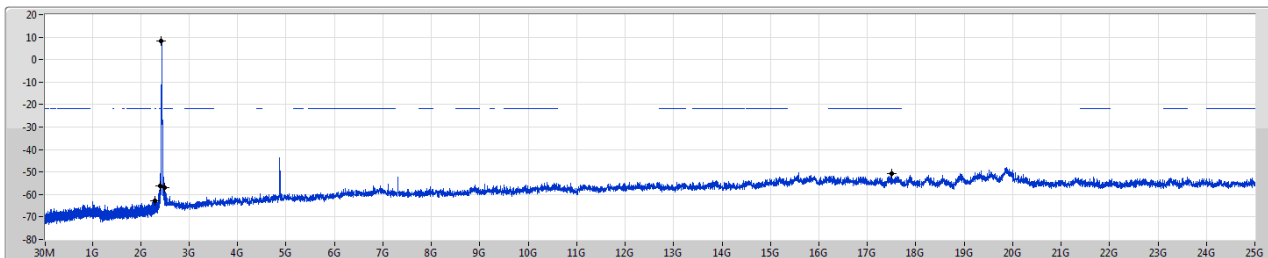
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41298G	8.26	-21.74	1.80837G	-63.56	2.397G	-26.69	2.4839G	-58.71	7.23514G	-47.84	1

802.11b_Nss1,(1Mbps)_1TX(Port1)

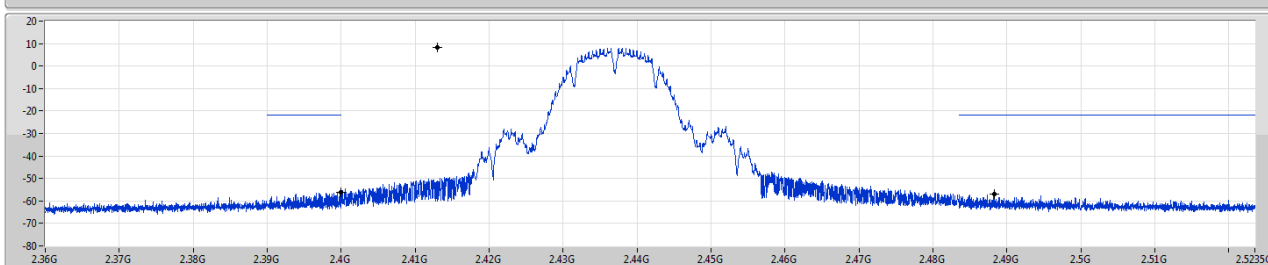
CSE NdB

2437MHz

03/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

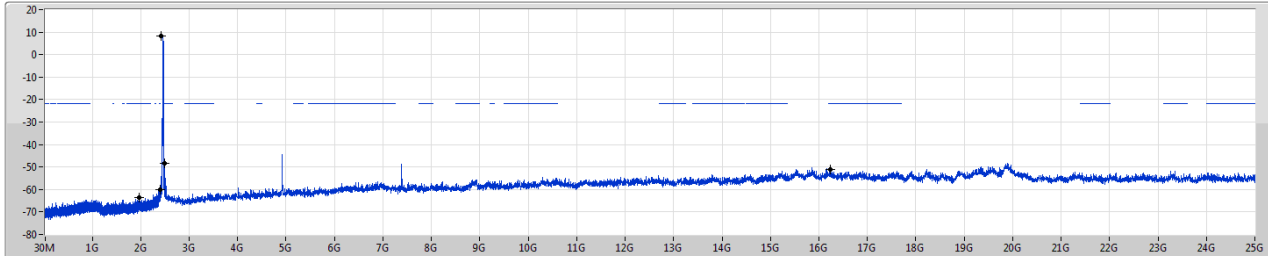
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41298G	8.26	-21.74	2.3G	-62.99	2.39992G	-56.11	2.48824G	-57.00	17.50409G	-50.80	1

802.11b_Nss1,(1Mbps)_1TX(Port1)

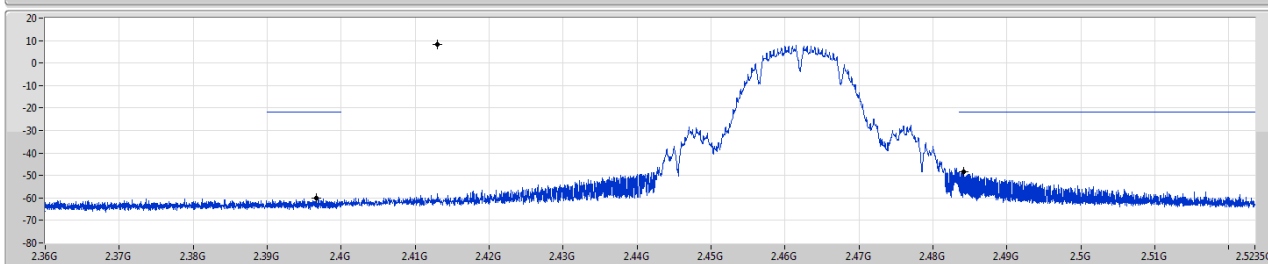
CSE NdB

2462MHz

03/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

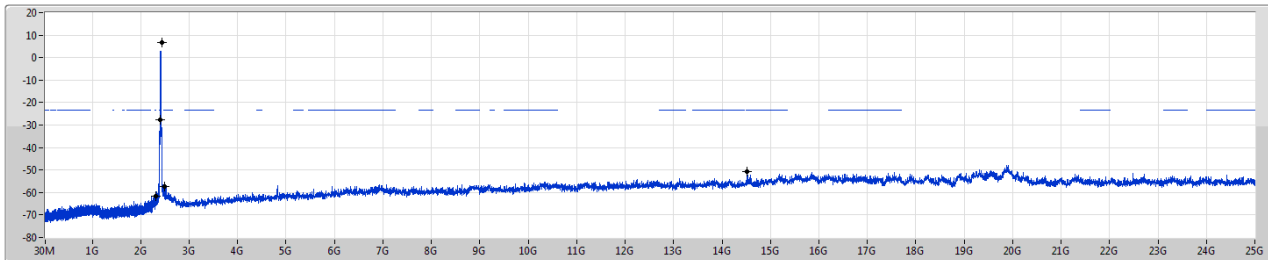
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41298G	8.26	-21.74	1.97584G	-63.69	2.39666G	-59.96	2.4841G	-48.29	16.23978G	-51.17	1

802.11g_Nss1,(6Mbps)_1TX(Port1)

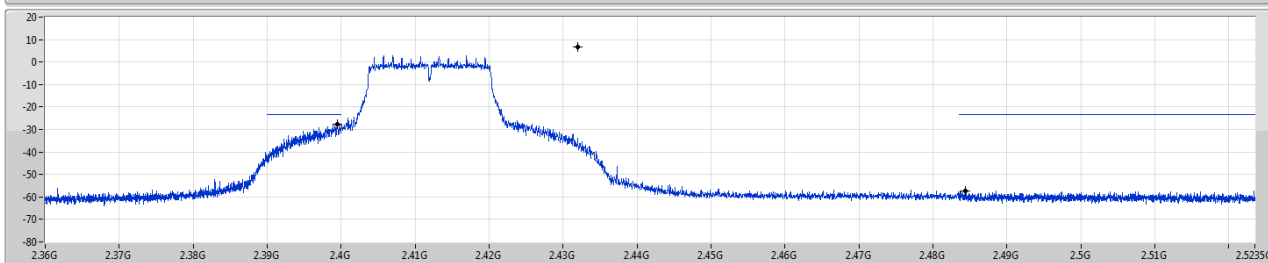
CSE NdB

2412MHz

05/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

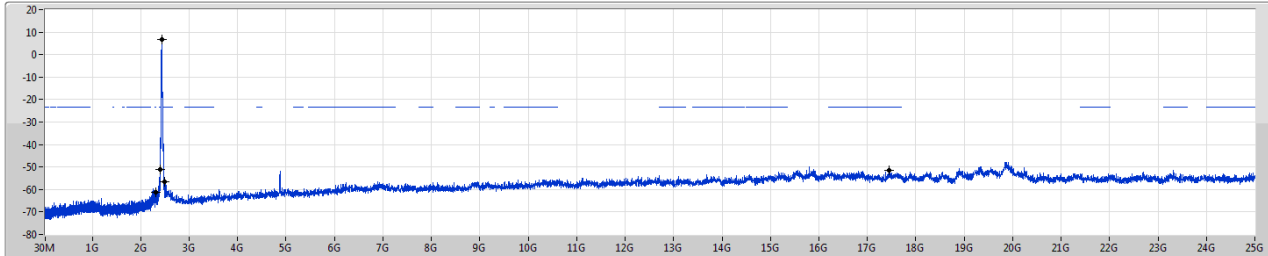
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	6.63	-23.37	2.30845G	-61.67	2.39952G	-27.68	2.48438G	-57.18	14.5119G	-50.70	1

802.11g_Nss1,(6Mbps)_1TX(Port1)

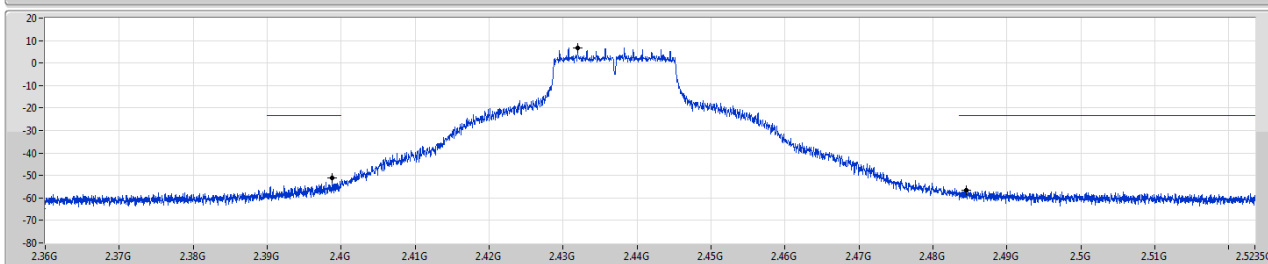
CSE NdB

2437MHz

05/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

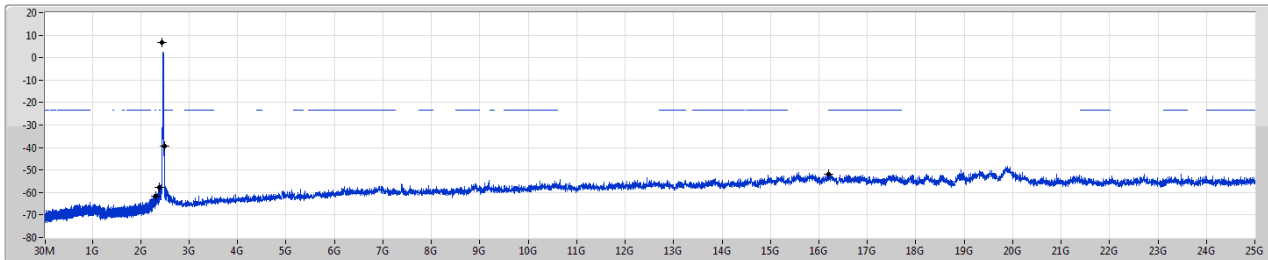
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	6.63	-23.37	2.30554G	-61.17	2.3988G	-51.00	2.48452G	-56.41	17.44509G	-51.49	1

802.11g_Nss1,(6Mbps)_1TX(Port1)

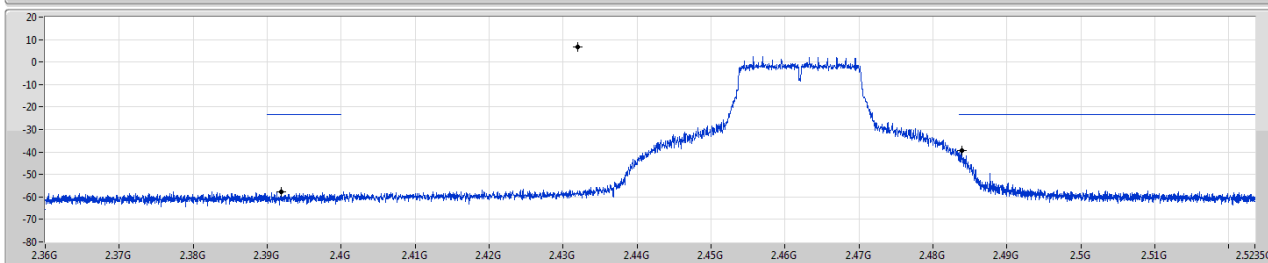
CSE NdB

2462MHz

05/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

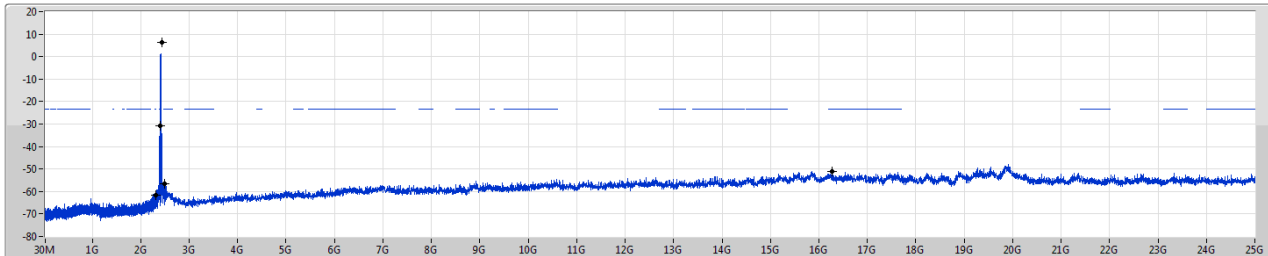
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	6.63	-23.37	2.30525G	-61.59	2.39192G	-57.59	2.48388G	-39.18	16.20607G	-51.74	1

802.11n HT20_Nss1,(MCS0)_1TX(Port1)

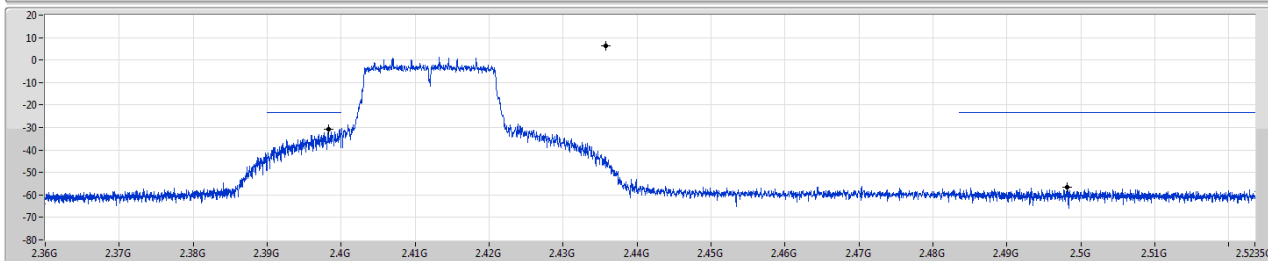
CSE NdB

2412MHz

05/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

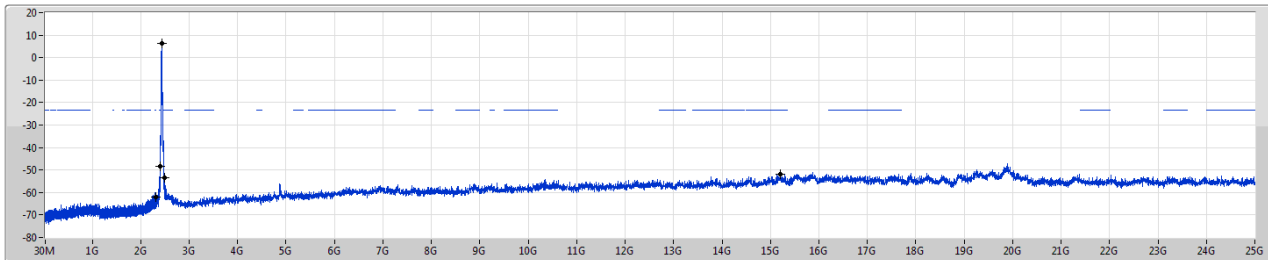
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	6.48	-23.52	2.30932G	-61.70	2.39826G	-30.60	2.4981G	-56.43	16.26507G	-51.08	1

802.11n HT20_Nss1,(MCS0)_1TX(Port1)

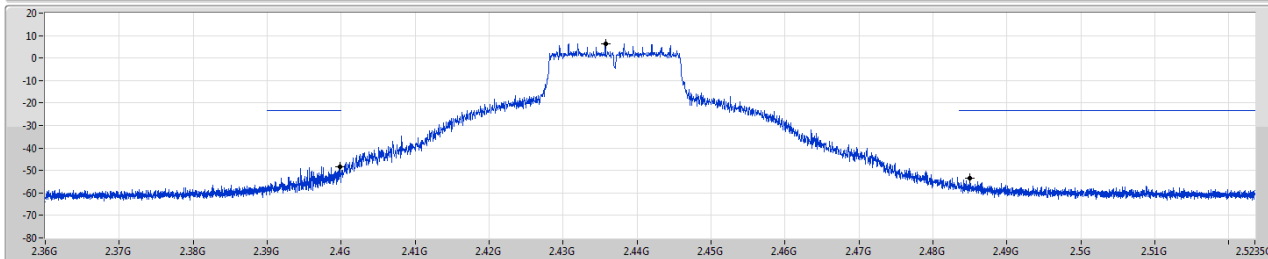
CSE NdB

2437MHz

05/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

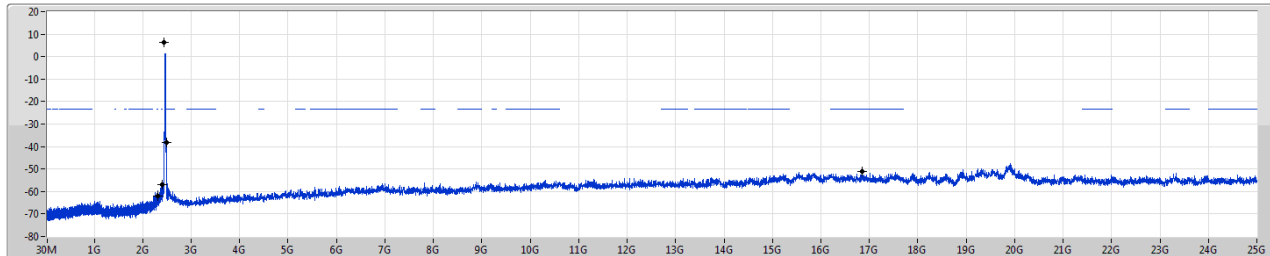
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	6.48	-23.52	2.30466G	-61.97	2.39982G	-48.35	2.48494G	-53.32	15.20587G	-51.96	1

802.11n HT20_Nss1,(MCS0)_1TX(Port1)

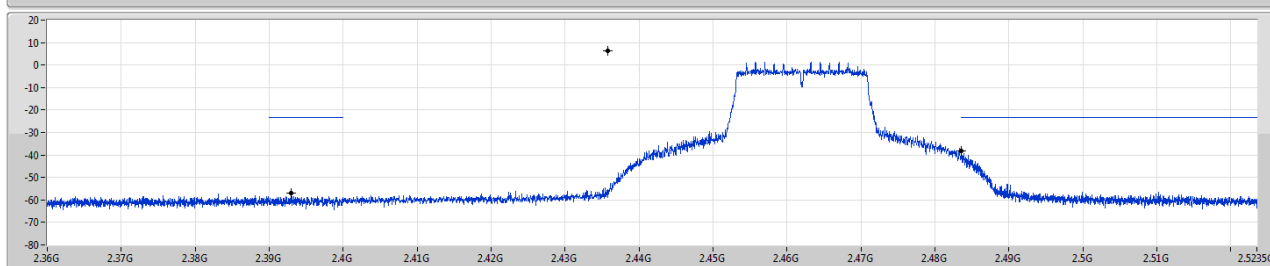
CSE NdB

2462MHz

05/07/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	6.48	-23.52	2.30961G	-61.93	2.39302G	-56.97	2.48358G	-38.29	16.85227G	-51.02	1



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 HT20_Nss1,(MCS0)_1TX	Pass	PK	156.52M	40.28	43.50	-3.22	-15.42	3	Vertical	360	1.00	-

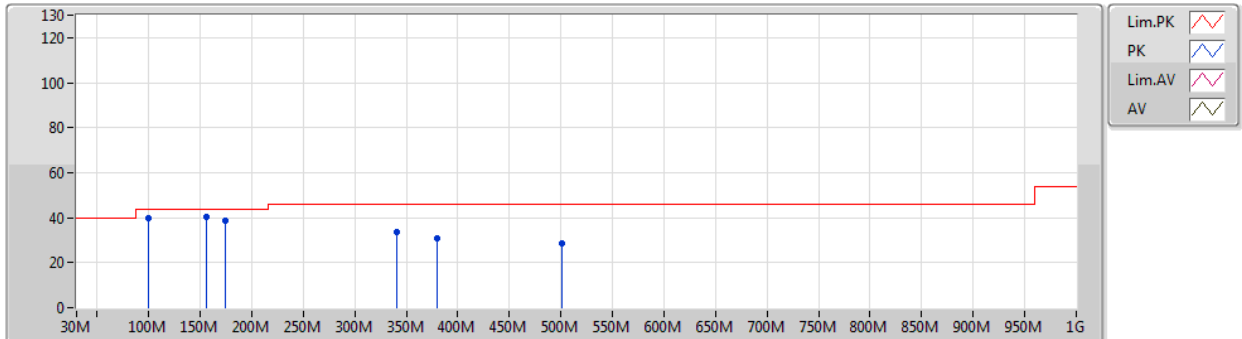
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	156.52M	40.28	43.50	-3.22	-15.42	3	Vertical	360	1.00	-
2437MHz	Pass	PK	174.8M	38.44	43.50	-5.06	-16.13	3	Vertical	360	1.00	-
2437MHz	Pass	PK	340.68M	33.64	46.00	-12.36	-10.64	3	Vertical	360	1.00	-
2437MHz	Pass	PK	380.04M	31.08	46.00	-14.92	-9.41	3	Vertical	360	1.00	-
2437MHz	Pass	PK	500.94M	28.46	46.00	-17.54	-6.22	3	Vertical	360	1.00	-
2437MHz	Pass	QP	100.29M	40.04	43.50	-3.46	-14.96	3	Vertical	299	1.00	-
2437MHz	Pass	PK	100.29M	32.59	43.50	-10.91	-14.96	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	153.71M	35.01	43.50	-8.49	-15.25	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	174.8M	33.41	43.50	-10.09	-16.13	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	340.68M	37.58	46.00	-8.42	-10.64	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	395.51M	31.14	46.00	-14.86	-8.65	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	572.64M	27.49	46.00	-18.51	-4.89	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Switching Power Supply

27/06/2019

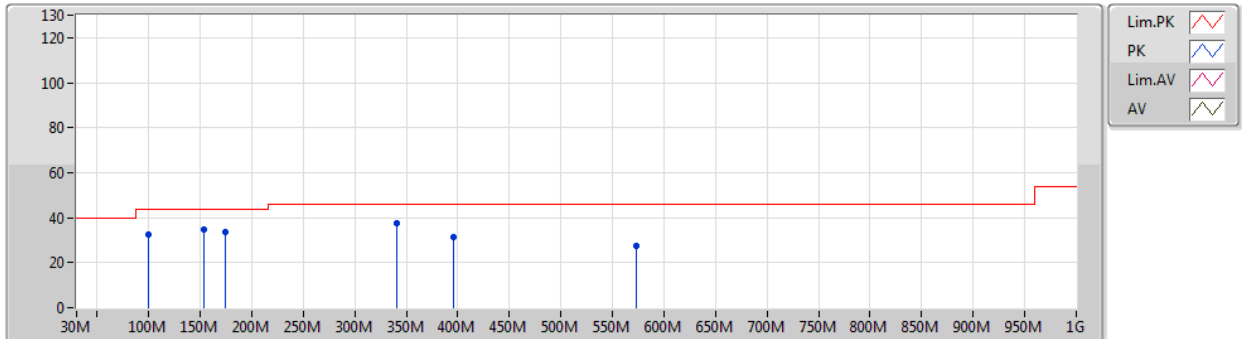


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	156.52M	40.28	43.50	-3.22	-15.42	3	Vertical	360	1.00	-	55.70	15.24	1.82	32.48
PK	174.8M	38.44	43.50	-5.06	-16.13	3	Vertical	360	1.00	-	54.57	14.46	1.88	32.47
PK	340.68M	33.64	46.00	-12.36	-10.64	3	Vertical	360	1.00	-	44.28	19.05	2.53	32.22
PK	380.04M	31.08	46.00	-14.92	-9.41	3	Vertical	360	1.00	-	40.49	20.07	2.69	32.17
PK	500.94M	28.46	46.00	-17.54	-6.22	3	Vertical	360	1.00	-	34.68	22.51	3.24	31.97
QP	100.29M	40.04	43.50	-3.46	-14.96	3	Vertical	299	1.00	-	55.00	16.03	1.56	32.55

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Switching Power Supply

27/06/2019



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	100.29M	32.59	43.50	-10.91	-14.96	3	Horizontal	360	1.00	-	47.55	16.03	1.56	32.55
PK	153.71M	35.01	43.50	-8.49	-15.25	3	Horizontal	360	1.00	-	50.26	15.43	1.81	32.49
PK	174.8M	33.41	43.50	-10.09	-16.13	3	Horizontal	360	1.00	-	49.54	14.46	1.88	32.47
PK	340.68M	37.58	46.00	-8.42	-10.64	3	Horizontal	360	1.00	-	48.22	19.05	2.53	32.22
PK	395.51M	31.14	46.00	-14.86	-8.65	3	Horizontal	360	1.00	-	39.79	20.73	2.76	32.14
PK	572.64M	27.49	46.00	-18.51	-4.89	3	Horizontal	360	1.00	-	32.38	23.61	3.35	31.85

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	2.4835G	47.68	54.00	-6.32	31.37	3	Horizontal	351	1.07	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	53.07	54.00	-0.93	31.38	3	Horizontal	177	1.33	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4836G	53.18	54.00	-0.82	31.37	3	Horizontal	196	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.3634G	46.31	54.00	-7.69	31.41	3	Vertical	1	1.50	-
2412MHz_TX	Pass	AV	2.4128G	98.39	Inf	-Inf	31.37	3	Vertical	1	1.50	-
2412MHz_TX	Pass	PK	2.3624G	58.33	74.00	-15.67	31.42	3	Vertical	1	1.50	-
2412MHz_TX	Pass	PK	2.411G	100.90	Inf	-Inf	31.37	3	Vertical	1	1.50	-
2412MHz_TX	Pass	AV	2.3854G	46.78	54.00	-7.22	31.39	3	Horizontal	353	1.43	-
2412MHz_TX	Pass	AV	2.4128G	106.71	Inf	-Inf	31.37	3	Horizontal	353	1.43	-
2412MHz_TX	Pass	PK	2.3884G	65.97	74.00	-8.03	31.38	3	Horizontal	353	1.43	-
2412MHz_TX	Pass	PK	2.411G	109.30	Inf	-Inf	31.37	3	Horizontal	353	1.43	-
2412MHz_TX	Pass	AV	4.81488G	32.04	54.00	-21.96	1.69	3	Vertical	360	1.50	-
2412MHz_TX	Pass	PK	4.8273G	44.07	74.00	-29.93	1.72	3	Vertical	360	1.50	-
2412MHz_TX	Pass	AV	4.824G	32.90	54.00	-21.10	1.70	3	Horizontal	85	1.92	-
2412MHz_TX	Pass	PK	4.82772G	44.99	74.00	-29.01	1.72	3	Horizontal	85	1.92	-
2437MHz_TX	Pass	AV	2.3414G	46.44	54.00	-7.56	31.45	3	Vertical	6	1.26	-
2437MHz_TX	Pass	AV	2.4378G	99.15	Inf	-Inf	31.36	3	Vertical	6	1.26	-
2437MHz_TX	Pass	AV	2.485G	46.60	54.00	-7.40	31.37	3	Vertical	6	1.26	-
2437MHz_TX	Pass	PK	2.359G	58.34	74.00	-15.66	31.42	3	Vertical	6	1.26	-
2437MHz_TX	Pass	PK	2.4378G	101.80	Inf	-Inf	31.36	3	Vertical	6	1.26	-
2437MHz_TX	Pass	PK	2.4894G	57.99	74.00	-16.01	31.36	3	Vertical	6	1.26	-
2437MHz_TX	Pass	AV	2.337G	46.47	54.00	-7.53	31.46	3	Horizontal	349	1.32	-
2437MHz_TX	Pass	AV	2.4362G	106.13	Inf	-Inf	31.36	3	Horizontal	349	1.32	-
2437MHz_TX	Pass	AV	2.4838G	46.60	54.00	-7.40	31.37	3	Horizontal	349	1.32	-
2437MHz_TX	Pass	PK	2.3462G	58.70	74.00	-15.30	31.44	3	Horizontal	349	1.32	-
2437MHz_TX	Pass	PK	2.4362G	108.66	Inf	-Inf	31.36	3	Horizontal	349	1.32	-
2437MHz_TX	Pass	PK	2.4878G	58.07	74.00	-15.93	31.36	3	Horizontal	349	1.32	-
2437MHz_TX	Pass	AV	4.88498G	31.81	54.00	-22.19	1.81	3	Vertical	152	1.72	-
2437MHz_TX	Pass	AV	7.30758G	38.45	54.00	-15.55	8.01	3	Vertical	83	2.51	-
2437MHz_TX	Pass	PK	4.88564G	44.37	74.00	-29.63	1.82	3	Vertical	152	1.72	-
2437MHz_TX	Pass	PK	7.31388G	51.46	74.00	-22.54	8.02	3	Vertical	83	2.51	-
2437MHz_TX	Pass	AV	4.874G	32.06	54.00	-21.94	1.79	3	Horizontal	10	1.50	-
2437MHz_TX	Pass	AV	7.30656G	38.33	54.00	-15.67	8.01	3	Horizontal	15	1.50	-
2437MHz_TX	Pass	PK	4.8737G	45.13	74.00	-28.87	1.79	3	Horizontal	10	1.50	-
2437MHz_TX	Pass	PK	7.31706G	50.99	74.00	-23.01	8.01	3	Horizontal	15	1.50	-
2462MHz_TX	Pass	AV	2.4628G	99.45	Inf	-Inf	31.37	3	Vertical	5	1.21	-
2462MHz_TX	Pass	AV	2.489G	46.87	54.00	-7.13	31.36	3	Vertical	5	1.21	-
2462MHz_TX	Pass	PK	2.4628G	101.94	Inf	-Inf	31.37	3	Vertical	5	1.21	-
2462MHz_TX	Pass	PK	2.4836G	60.71	74.00	-13.29	31.37	3	Vertical	5	1.21	-
2462MHz_TX	Pass	AV	2.4628G	105.94	Inf	-Inf	31.37	3	Horizontal	351	1.07	-
2462MHz_TX	Pass	AV	2.4835G	47.68	54.00	-6.32	31.37	3	Horizontal	351	1.07	-
2462MHz_TX	Pass	PK	2.4628G	108.44	Inf	-Inf	31.37	3	Horizontal	351	1.07	-
2462MHz_TX	Pass	PK	2.4844G	65.81	74.00	-8.19	31.37	3	Horizontal	351	1.07	-
2462MHz_TX	Pass	AV	4.93714G	32.18	54.00	-21.82	1.94	3	Vertical	112	2.64	-
2462MHz_TX	Pass	AV	7.3813G	38.03	54.00	-15.97	7.95	3	Vertical	285	1.50	-
2462MHz_TX	Pass	PK	4.93762G	45.18	74.00	-28.82	1.95	3	Vertical	112	2.64	-
2462MHz_TX	Pass	PK	7.38788G	51.24	74.00	-22.76	7.95	3	Vertical	285	1.50	-
2462MHz_TX	Pass	AV	4.93372G	32.05	54.00	-21.95	1.94	3	Horizontal	350	1.63	-
2462MHz_TX	Pass	AV	7.38704G	38.65	54.00	-15.35	7.94	3	Horizontal	202	2.30	-
2462MHz_TX	Pass	PK	4.93846G	45.03	74.00	-28.97	1.95	3	Horizontal	350	1.63	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz_TX	Pass	PK	7.38722G	51.16	74.00	-22.84	7.94	3	Horizontal	202	2.30	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.39G	47.58	54.00	-6.42	31.38	3	Vertical	340	2.78	-
2412MHz_TX	Pass	AV	2.4178G	90.15	Inf	-Inf	31.37	3	Vertical	340	2.78	-
2412MHz_TX	Pass	PK	2.39G	61.62	74.00	-12.38	31.38	3	Vertical	340	2.78	-
2412MHz_TX	Pass	PK	2.4182G	98.68	Inf	-Inf	31.37	3	Vertical	340	2.78	-
2412MHz_TX	Pass	AV	2.39G	53.07	54.00	-0.93	31.38	3	Horizontal	177	1.33	-
2412MHz_TX	Pass	AV	2.4178G	99.23	Inf	-Inf	31.37	3	Horizontal	177	1.33	-
2412MHz_TX	Pass	PK	2.3898G	69.42	74.00	-4.58	31.38	3	Horizontal	177	1.33	-
2412MHz_TX	Pass	PK	2.4078G	107.36	Inf	-Inf	31.37	3	Horizontal	177	1.33	-
2412MHz_TX	Pass	AV	4.82613G	32.16	54.00	-21.84	1.72	3	Vertical	311	1.07	-
2412MHz_TX	Pass	PK	4.82297G	44.42	74.00	-29.58	1.70	3	Vertical	311	1.07	-
2412MHz_TX	Pass	AV	4.82332G	32.19	54.00	-21.81	1.70	3	Horizontal	204	1.37	-
2412MHz_TX	Pass	PK	4.82616G	44.63	74.00	-29.37	1.72	3	Horizontal	204	1.37	-
2417MHz_TX	Pass	AV	2.3894G	48.07	54.00	-5.93	31.38	3	Vertical	337	2.50	-
2417MHz_TX	Pass	AV	2.4236G	94.94	Inf	-Inf	31.37	3	Vertical	337	2.50	-
2417MHz_TX	Pass	PK	2.3898G	61.72	74.00	-12.28	31.38	3	Vertical	337	2.50	-
2417MHz_TX	Pass	PK	2.4224G	103.06	Inf	-Inf	31.37	3	Vertical	337	2.50	-
2417MHz_TX	Pass	AV	2.39G	53.07	54.00	-0.93	31.38	3	Horizontal	176	1.50	-
2417MHz_TX	Pass	AV	2.411G	102.34	Inf	-Inf	31.37	3	Horizontal	176	1.50	-
2417MHz_TX	Pass	PK	2.3892G	69.40	74.00	-4.60	31.38	3	Horizontal	176	1.50	-
2417MHz_TX	Pass	PK	2.4224G	110.53	Inf	-Inf	31.37	3	Horizontal	176	1.50	-
2437MHz_TX	Pass	AV	2.3506G	46.95	54.00	-7.05	31.44	3	Vertical	8	1.25	-
2437MHz_TX	Pass	AV	2.443G	96.29	Inf	-Inf	31.37	3	Vertical	8	1.25	-
2437MHz_TX	Pass	AV	2.4846G	47.16	54.00	-6.84	31.37	3	Vertical	8	1.25	-
2437MHz_TX	Pass	PK	2.3486G	59.02	74.00	-14.98	31.43	3	Vertical	8	1.25	-
2437MHz_TX	Pass	PK	2.4394G	104.50	Inf	-Inf	31.37	3	Vertical	8	1.25	-
2437MHz_TX	Pass	PK	2.4962G	59.15	74.00	-14.85	31.36	3	Vertical	8	1.25	-
2437MHz_TX	Pass	AV	2.341G	47.27	54.00	-6.73	31.45	3	Horizontal	349	1.31	-
2437MHz_TX	Pass	AV	2.4358G	102.38	Inf	-Inf	31.36	3	Horizontal	349	1.31	-
2437MHz_TX	Pass	AV	2.4835G	47.16	54.00	-6.84	31.37	3	Horizontal	349	1.31	-
2437MHz_TX	Pass	PK	2.3618G	59.09	74.00	-14.91	31.42	3	Horizontal	349	1.31	-
2437MHz_TX	Pass	PK	2.4338G	110.89	Inf	-Inf	31.37	3	Horizontal	349	1.31	-
2437MHz_TX	Pass	PK	2.493G	59.22	74.00	-14.78	31.36	3	Horizontal	349	1.31	-
2437MHz_TX	Pass	AV	4.87628G	32.42	54.00	-21.58	1.81	3	Vertical	28	1.06	-
2437MHz_TX	Pass	AV	7.31064G	39.03	54.00	-14.97	8.01	3	Vertical	131	1.50	-
2437MHz_TX	Pass	PK	4.87183G	44.66	74.00	-29.34	1.79	3	Vertical	28	1.06	-
2437MHz_TX	Pass	PK	7.31166G	52.58	74.00	-21.42	8.01	3	Vertical	131	1.50	-
2437MHz_TX	Pass	AV	4.87604G	32.16	54.00	-21.84	1.81	3	Horizontal	11	2.15	-
2437MHz_TX	Pass	AV	7.30818G	38.95	54.00	-15.05	8.01	3	Horizontal	145	1.50	-
2437MHz_TX	Pass	PK	4.8734G	44.98	74.00	-29.02	1.79	3	Horizontal	11	2.15	-
2437MHz_TX	Pass	PK	7.31352G	51.51	74.00	-22.49	8.02	3	Horizontal	145	1.50	-
2457MHz_TX	Pass	AV	2.4516G	92.66	Inf	-Inf	31.37	3	Vertical	345	1.40	-
2457MHz_TX	Pass	AV	2.4835G	47.44	54.00	-6.56	31.37	3	Vertical	345	1.40	-
2457MHz_TX	Pass	PK	2.4508G	101.04	Inf	-Inf	31.37	3	Vertical	345	1.40	-
2457MHz_TX	Pass	PK	2.4842G	60.28	74.00	-13.72	31.37	3	Vertical	345	1.40	-
2457MHz_TX	Pass	AV	2.4624G	102.45	Inf	-Inf	31.37	3	Horizontal	181	1.59	-
2457MHz_TX	Pass	AV	2.4835G	51.98	54.00	-2.02	31.37	3	Horizontal	181	1.59	-
2457MHz_TX	Pass	PK	2.4612G	110.53	Inf	-Inf	31.37	3	Horizontal	181	1.59	-

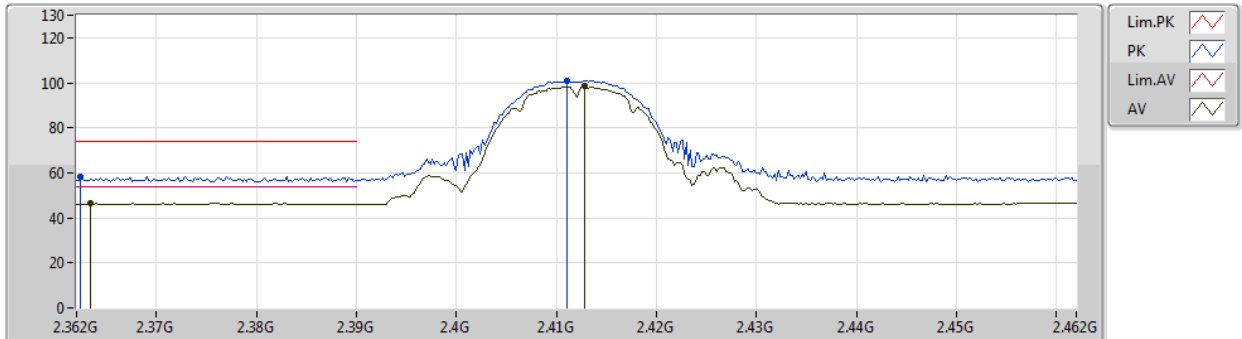
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz_TX	Pass	PK	2.484G	68.61	74.00	-5.39	31.37	3	Horizontal	181	1.59	-
2462MHz_TX	Pass	AV	2.461G	91.54	Inf	-Inf	31.36	3	Vertical	78	1.00	-
2462MHz_TX	Pass	AV	2.4835G	48.93	54.00	-5.07	31.37	3	Vertical	78	1.00	-
2462MHz_TX	Pass	PK	2.4644G	99.92	Inf	-Inf	31.37	3	Vertical	78	1.00	-
2462MHz_TX	Pass	PK	2.4835G	62.59	74.00	-11.41	31.37	3	Vertical	78	1.00	-
2462MHz_TX	Pass	AV	2.4608G	98.38	Inf	-Inf	31.36	3	Horizontal	196	1.50	-
2462MHz_TX	Pass	AV	2.4835G	53.04	54.00	-0.96	31.37	3	Horizontal	196	1.50	-
2462MHz_TX	Pass	PK	2.456G	106.72	Inf	-Inf	31.36	3	Horizontal	196	1.50	-
2462MHz_TX	Pass	PK	2.4838G	69.38	74.00	-4.62	31.37	3	Horizontal	196	1.50	-
2462MHz_TX	Pass	AV	4.9354G	32.33	54.00	-21.67	1.94	3	Vertical	21	2.20	-
2462MHz_TX	Pass	AV	7.37988G	38.56	54.00	-15.44	7.95	3	Vertical	299	2.39	-
2462MHz_TX	Pass	PK	4.92964G	44.24	74.00	-29.76	1.92	3	Vertical	21	2.20	-
2462MHz_TX	Pass	PK	7.38708G	50.68	74.00	-23.32	7.94	3	Vertical	299	2.39	-
2462MHz_TX	Pass	AV	4.93192G	32.39	54.00	-21.61	1.93	3	Horizontal	340	1.59	-
2462MHz_TX	Pass	AV	7.38174G	38.37	54.00	-15.63	7.95	3	Horizontal	194	2.23	-
2462MHz_TX	Pass	PK	4.91152G	45.02	74.00	-28.98	1.87	3	Horizontal	340	1.59	-
2462MHz_TX	Pass	PK	7.37964G	50.56	74.00	-23.44	7.95	3	Horizontal	194	2.23	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.3896G	47.58	54.00	-6.42	31.38	3	Vertical	338	2.77	-
2412MHz_TX	Pass	AV	2.4174G	88.17	Inf	-Inf	31.37	3	Vertical	338	2.77	-
2412MHz_TX	Pass	PK	2.3888G	60.37	74.00	-13.63	31.38	3	Vertical	338	2.77	-
2412MHz_TX	Pass	PK	2.4162G	97.25	Inf	-Inf	31.36	3	Vertical	338	2.77	-
2412MHz_TX	Pass	AV	2.39G	52.07	54.00	-1.93	31.38	3	Horizontal	187	1.31	-
2412MHz_TX	Pass	AV	2.4186G	97.68	Inf	-Inf	31.37	3	Horizontal	187	1.31	-
2412MHz_TX	Pass	PK	2.3896G	67.94	74.00	-6.06	31.38	3	Horizontal	187	1.31	-
2412MHz_TX	Pass	PK	2.4162G	106.67	Inf	-Inf	31.36	3	Horizontal	187	1.31	-
2412MHz_TX	Pass	AV	4.82022G	32.10	54.00	-21.90	1.70	3	Vertical	101	2.49	-
2412MHz_TX	Pass	PK	4.82628G	43.87	74.00	-30.13	1.72	3	Vertical	101	2.49	-
2412MHz_TX	Pass	AV	4.81794G	32.29	54.00	-21.71	1.70	3	Horizontal	83	1.45	-
2412MHz_TX	Pass	PK	4.83018G	44.52	74.00	-29.48	1.73	3	Horizontal	83	1.45	-
2417MHz_TX	Pass	AV	2.3884G	47.83	54.00	-6.17	31.38	3	Vertical	337	2.49	-
2417MHz_TX	Pass	AV	2.4234G	93.97	Inf	-Inf	31.37	3	Vertical	337	2.49	-
2417MHz_TX	Pass	PK	2.389G	61.62	74.00	-12.38	31.38	3	Vertical	337	2.49	-
2417MHz_TX	Pass	PK	2.4228G	102.11	Inf	-Inf	31.37	3	Vertical	337	2.49	-
2417MHz_TX	Pass	AV	2.39G	52.22	54.00	-1.78	31.38	3	Horizontal	176	1.36	-
2417MHz_TX	Pass	AV	2.4224G	101.97	Inf	-Inf	31.37	3	Horizontal	176	1.36	-
2417MHz_TX	Pass	PK	2.3896G	69.76	74.00	-4.24	31.38	3	Horizontal	176	1.36	-
2417MHz_TX	Pass	PK	2.4212G	111.15	Inf	-Inf	31.37	3	Horizontal	176	1.36	-
2437MHz_TX	Pass	AV	2.3374G	46.76	54.00	-7.24	31.46	3	Vertical	349	1.01	-
2437MHz_TX	Pass	AV	2.4422G	95.14	Inf	-Inf	31.37	3	Vertical	349	1.01	-
2437MHz_TX	Pass	AV	2.4842G	46.88	54.00	-7.12	31.37	3	Vertical	349	1.01	-
2437MHz_TX	Pass	PK	2.3598G	58.48	74.00	-15.52	31.42	3	Vertical	349	1.01	-
2437MHz_TX	Pass	PK	2.4402G	103.94	Inf	-Inf	31.37	3	Vertical	349	1.01	-
2437MHz_TX	Pass	PK	2.497G	58.73	74.00	-15.27	31.36	3	Vertical	349	1.01	-
2437MHz_TX	Pass	AV	2.3886G	47.04	54.00	-6.96	31.38	3	Horizontal	354	1.34	-
2437MHz_TX	Pass	AV	2.4362G	101.27	Inf	-Inf	31.36	3	Horizontal	354	1.34	-
2437MHz_TX	Pass	AV	2.4838G	47.16	54.00	-6.84	31.37	3	Horizontal	354	1.34	-
2437MHz_TX	Pass	PK	2.3502G	58.96	74.00	-15.04	31.44	3	Horizontal	354	1.34	-
2437MHz_TX	Pass	PK	2.4306G	109.58	Inf	-Inf	31.37	3	Horizontal	354	1.34	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz_TX	Pass	PK	2.4998G	59.28	74.00	-14.72	31.36	3	Horizontal	354	1.34	-
2437MHz_TX	Pass	AV	4.87352G	32.06	54.00	-21.94	1.79	3	Vertical	19	1.50	-
2437MHz_TX	Pass	AV	7.3137G	38.88	54.00	-15.12	8.02	3	Vertical	310	1.50	-
2437MHz_TX	Pass	PK	4.86236G	44.46	74.00	-29.54	1.77	3	Vertical	19	1.50	-
2437MHz_TX	Pass	PK	7.29756G	51.28	74.00	-22.72	8.01	3	Vertical	310	1.50	-
2437MHz_TX	Pass	AV	4.88732G	32.05	54.00	-21.95	1.82	3	Horizontal	210	1.50	-
2437MHz_TX	Pass	AV	7.31268G	38.83	54.00	-15.17	8.02	3	Horizontal	134	1.50	-
2437MHz_TX	Pass	PK	4.88648G	44.59	74.00	-29.41	1.82	3	Horizontal	210	1.50	-
2437MHz_TX	Pass	PK	7.30824G	51.36	74.00	-22.64	8.01	3	Horizontal	134	1.50	-
2457MHz_TX	Pass	AV	2.4624G	94.14	Inf	-Inf	31.37	3	Vertical	189	1.14	-
2457MHz_TX	Pass	AV	2.4836G	48.93	54.00	-5.07	31.37	3	Vertical	189	1.14	-
2457MHz_TX	Pass	PK	2.463G	102.56	Inf	-Inf	31.37	3	Vertical	189	1.14	-
2457MHz_TX	Pass	PK	2.484G	68.18	74.00	-5.82	31.37	3	Vertical	189	1.14	-
2457MHz_TX	Pass	AV	2.4622G	101.66	Inf	-Inf	31.37	3	Horizontal	196	1.50	-
2457MHz_TX	Pass	AV	2.4836G	53.18	54.00	-0.82	31.37	3	Horizontal	196	1.50	-
2457MHz_TX	Pass	PK	2.461G	110.46	Inf	-Inf	31.36	3	Horizontal	196	1.50	-
2457MHz_TX	Pass	PK	2.485G	72.85	74.00	-1.15	31.37	3	Horizontal	196	1.50	-
2462MHz_TX	Pass	AV	2.461G	90.17	Inf	-Inf	31.36	3	Vertical	78	1.00	-
2462MHz_TX	Pass	AV	2.4835G	48.70	54.00	-5.30	31.37	3	Vertical	78	1.00	-
2462MHz_TX	Pass	PK	2.4564G	98.70	Inf	-Inf	31.36	3	Vertical	78	1.00	-
2462MHz_TX	Pass	PK	2.4836G	62.69	74.00	-11.31	31.37	3	Vertical	78	1.00	-
2462MHz_TX	Pass	AV	2.4608G	97.00	Inf	-Inf	31.36	3	Horizontal	197	1.48	-
2462MHz_TX	Pass	AV	2.4836G	53.04	54.00	-0.96	31.37	3	Horizontal	197	1.48	-
2462MHz_TX	Pass	PK	2.4566G	105.28	Inf	-Inf	31.36	3	Horizontal	197	1.48	-
2462MHz_TX	Pass	PK	2.484G	70.07	74.00	-3.93	31.37	3	Horizontal	197	1.48	-
2462MHz_TX	Pass	AV	4.93882G	32.59	54.00	-21.41	1.95	3	Vertical	25	1.61	-
2462MHz_TX	Pass	AV	7.40004G	38.37	54.00	-15.63	7.94	3	Vertical	310	1.99	-
2462MHz_TX	Pass	PK	4.93564G	44.42	74.00	-29.58	1.94	3	Vertical	25	1.61	-
2462MHz_TX	Pass	PK	7.37226G	50.89	74.00	-23.11	7.97	3	Vertical	310	1.99	-
2462MHz_TX	Pass	AV	4.93888G	32.38	54.00	-21.62	1.95	3	Horizontal	222	2.13	-
2462MHz_TX	Pass	AV	7.37244G	38.32	54.00	-15.68	7.97	3	Horizontal	139	1.32	-
2462MHz_TX	Pass	PK	4.9186G	44.59	74.00	-29.41	1.90	3	Horizontal	222	2.13	-
2462MHz_TX	Pass	PK	7.39152G	50.44	74.00	-23.56	7.95	3	Horizontal	139	1.32	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/07/2019

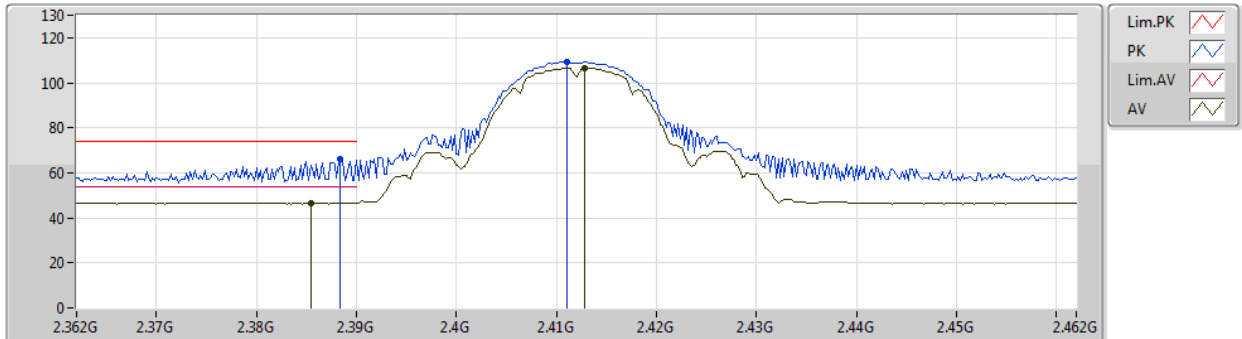


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3634G	46.31	54.00	-7.69	31.41	3	Vertical	1	1.50	-	14.90	27.77	3.64	-
AV	2.4128G	98.39	Inf	-Inf	31.37	3	Vertical	1	1.50	-	67.02	27.69	3.68	-
PK	2.3624G	58.33	74.00	-15.67	31.42	3	Vertical	1	1.50	-	26.91	27.78	3.64	-
PK	2.411G	100.90	Inf	-Inf	31.37	3	Vertical	1	1.50	-	69.53	27.69	3.68	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/07/2019

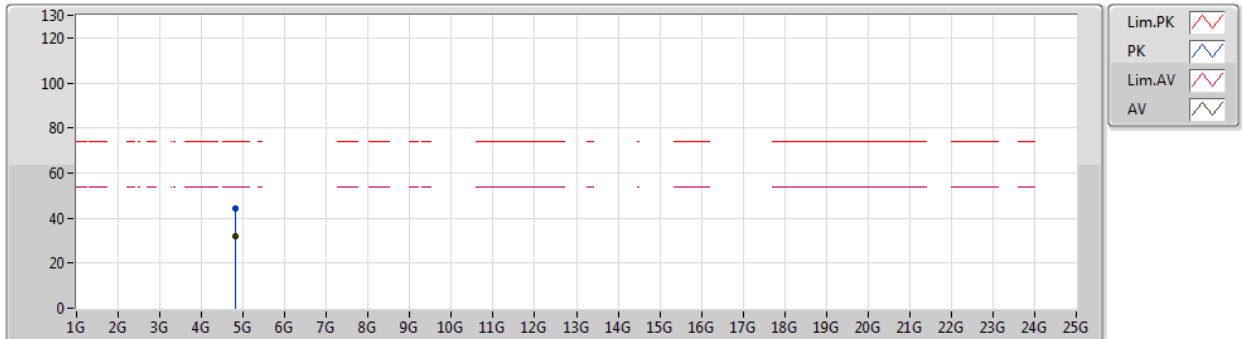


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3854G	46.78	54.00	-7.22	31.39	3	Horizontal	353	1.43	-	15.39	27.73	3.66	-
AV	2.4128G	106.71	Inf	-Inf	31.37	3	Horizontal	353	1.43	-	75.34	27.69	3.68	-
PK	2.3884G	65.97	74.00	-8.03	31.38	3	Horizontal	353	1.43	-	34.59	27.72	3.66	-
PK	2.411G	109.30	Inf	-Inf	31.37	3	Horizontal	353	1.43	-	77.93	27.69	3.68	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/07/2019

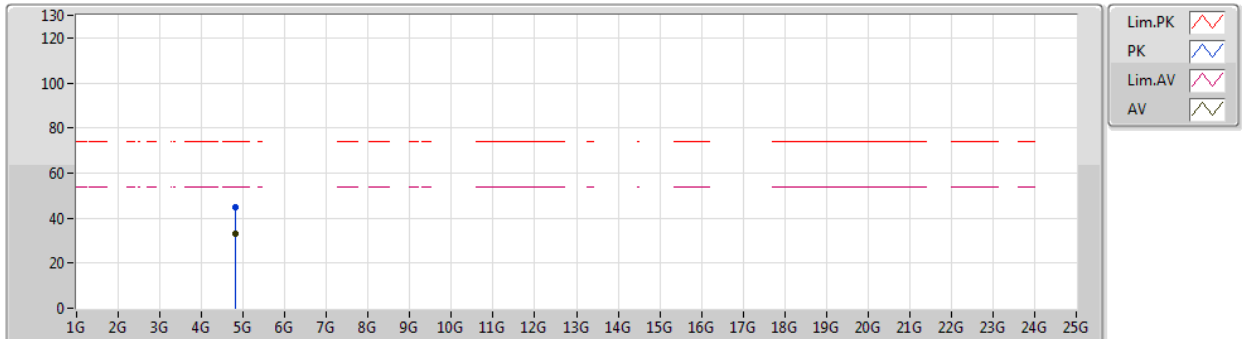


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.81488G	32.04	54.00	-21.96	1.69	3	Vertical	360	1.50	-	30.35	31.21	5.33	34.85
PK	4.8273G	44.07	74.00	-29.93	1.72	3	Vertical	360	1.50	-	42.35	31.23	5.33	34.84

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

03/07/2019

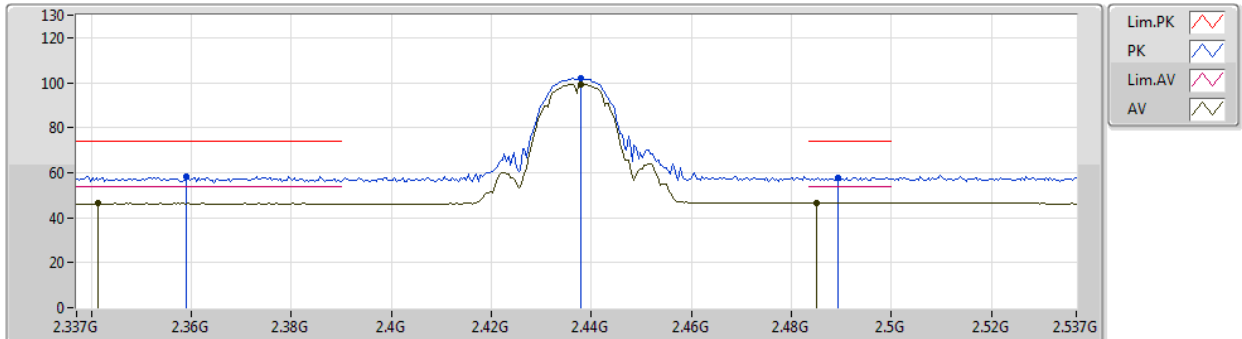


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	32.90	54.00	-21.10	1.70	3	Horizontal	85	1.92	-	31.20	31.22	5.33	34.85
PK	4.82772G	44.99	74.00	-29.01	1.72	3	Horizontal	85	1.92	-	43.27	31.23	5.33	34.84

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/07/2019

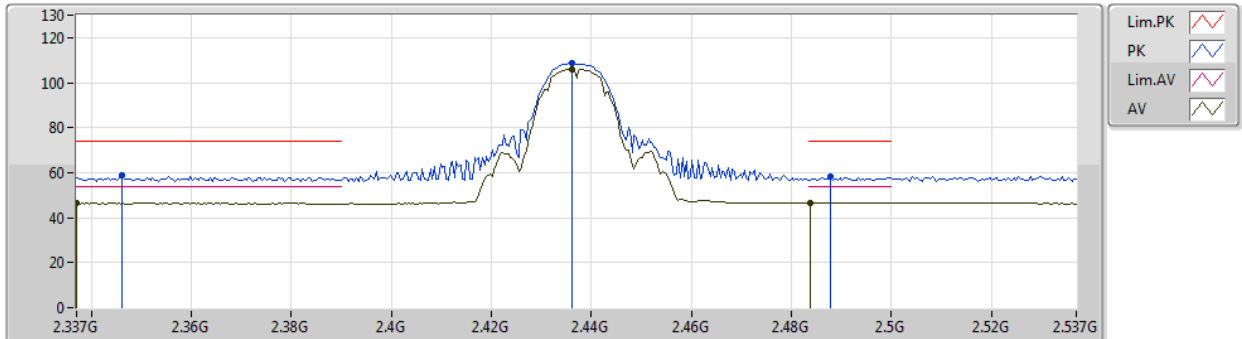


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3414G	46.44	54.00	-7.56	31.45	3	Vertical	6	1.26	-	14.99	27.82	3.63	-
AV	2.4378G	99.15	Inf	-Inf	31.36	3	Vertical	6	1.26	-	67.79	27.66	3.70	-
AV	2.485G	46.60	54.00	-7.40	31.37	3	Vertical	6	1.26	-	15.23	27.62	3.75	-
PK	2.359G	58.34	74.00	-15.66	31.42	3	Vertical	6	1.26	-	26.92	27.78	3.64	-
PK	2.4378G	101.80	Inf	-Inf	31.36	3	Vertical	6	1.26	-	70.44	27.66	3.70	-
PK	2.4894G	57.99	74.00	-16.01	31.36	3	Vertical	6	1.26	-	26.63	27.61	3.75	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/07/2019

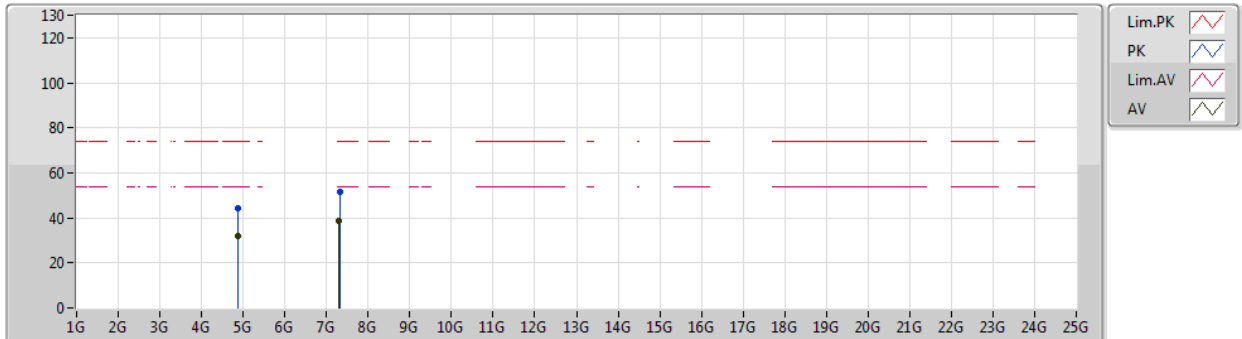


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.337G	46.47	54.00	-7.53	31.46	3	Horizontal	349	1.32	-	15.01	27.83	3.63	-
AV	2.4362G	106.13	Inf	-Inf	31.36	3	Horizontal	349	1.32	-	74.77	27.66	3.70	-
AV	2.4838G	46.60	54.00	-7.40	31.37	3	Horizontal	349	1.32	-	15.23	27.62	3.75	-
PK	2.3462G	58.70	74.00	-15.30	31.44	3	Horizontal	349	1.32	-	27.26	27.81	3.63	-
PK	2.4362G	108.66	Inf	-Inf	31.36	3	Horizontal	349	1.32	-	77.30	27.66	3.70	-
PK	2.4878G	58.07	74.00	-15.93	31.36	3	Horizontal	349	1.32	-	26.71	27.61	3.75	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/07/2019

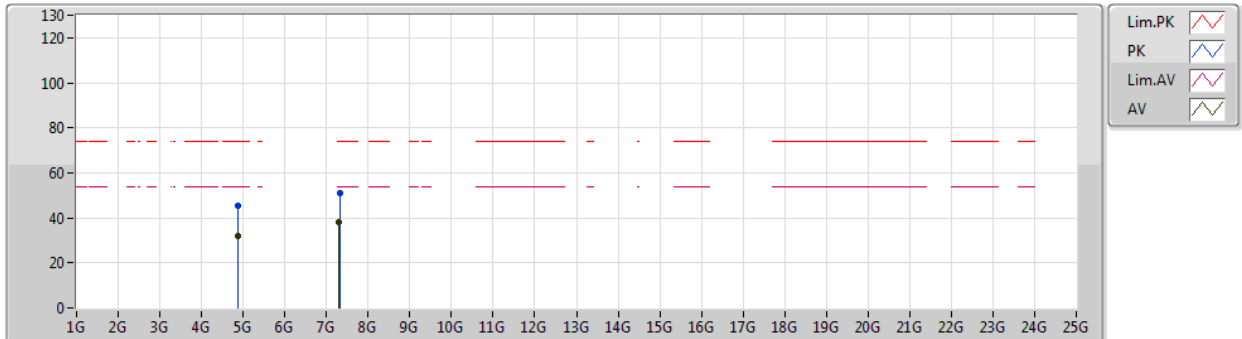


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88498G	31.81	54.00	-22.19	1.81	3	Vertical	152	1.72	-	30.00	31.28	5.36	34.83
AV	7.30758G	38.45	54.00	-15.55	8.01	3	Vertical	83	2.51	-	30.44	36.49	6.61	35.09
PK	4.88564G	44.37	74.00	-29.63	1.82	3	Vertical	152	1.72	-	42.55	31.29	5.36	34.83
PK	7.31388G	51.46	74.00	-22.54	8.02	3	Vertical	83	2.51	-	43.44	36.49	6.62	35.09

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

03/07/2019

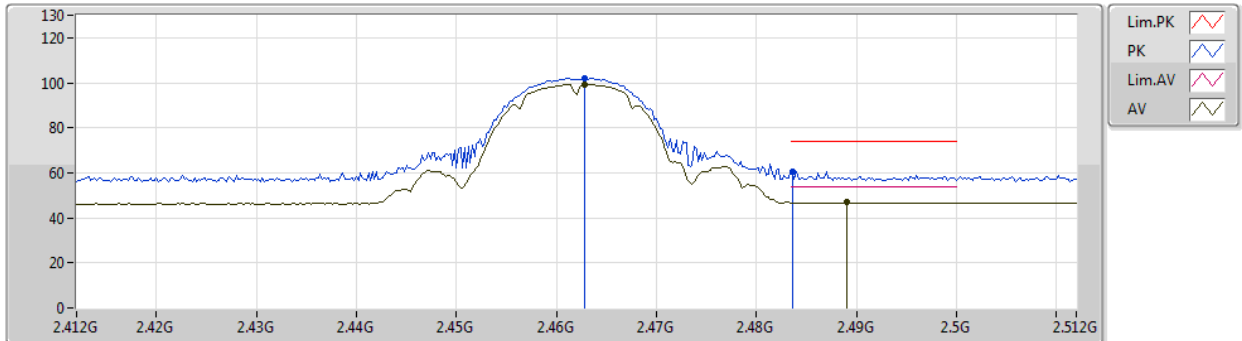


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	32.06	54.00	-21.94	1.79	3	Horizontal	10	1.50	-	30.27	31.27	5.36	34.84
AV	7.30656G	38.33	54.00	-15.67	8.01	3	Horizontal	15	1.50	-	30.32	36.49	6.61	35.09
PK	4.8737G	45.13	74.00	-28.87	1.79	3	Horizontal	10	1.50	-	43.34	31.27	5.36	34.84
PK	7.31706G	50.99	74.00	-23.01	8.01	3	Horizontal	15	1.50	-	42.98	36.48	6.62	35.09

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/07/2019

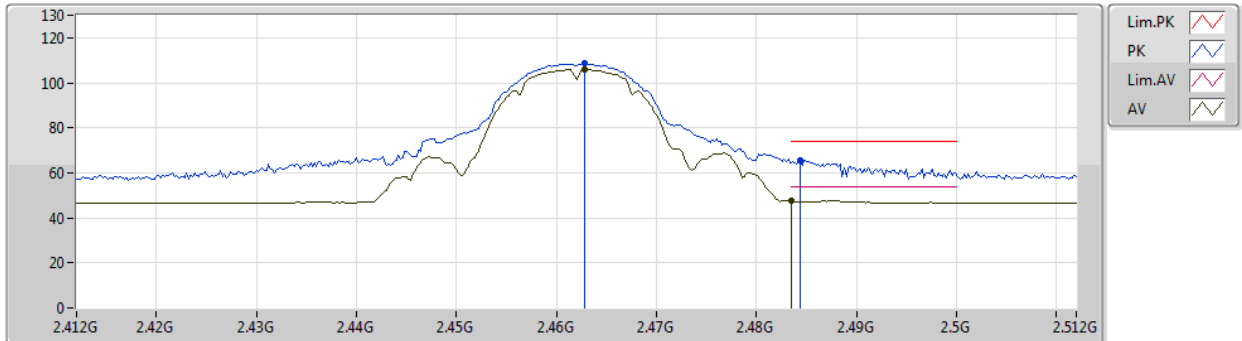


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	99.45	Inf	-Inf	31.37	3	Vertical	5	1.21	-	68.08	27.64	3.73	-
AV	2.489G	46.87	54.00	-7.13	31.36	3	Vertical	5	1.21	-	15.51	27.61	3.75	-
PK	2.4628G	101.94	Inf	-Inf	31.37	3	Vertical	5	1.21	-	70.57	27.64	3.73	-
PK	2.4836G	60.71	74.00	-13.29	31.37	3	Vertical	5	1.21	-	29.34	27.62	3.75	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/07/2019

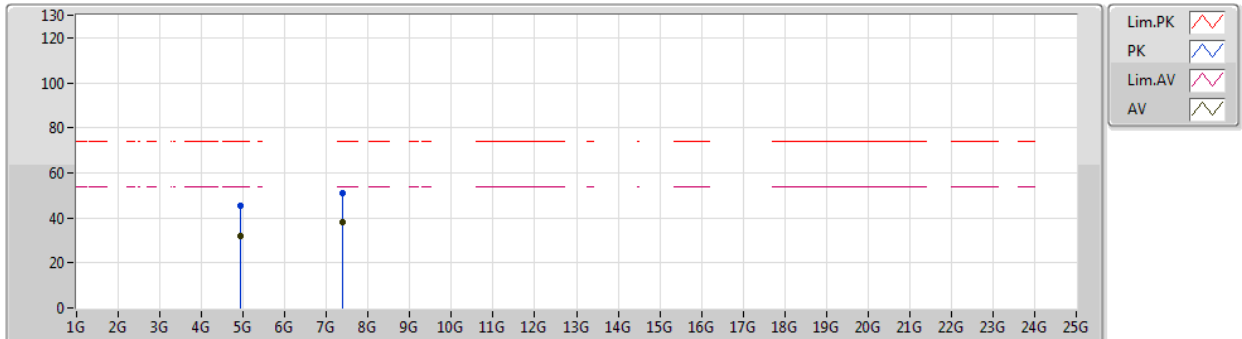


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	105.94	Inf	-Inf	31.37	3	Horizontal	351	1.07	-	74.57	27.64	3.73	-
AV	2.4835G	47.68	54.00	-6.32	31.37	3	Horizontal	351	1.07	-	16.31	27.62	3.75	-
PK	2.4628G	108.44	Inf	-Inf	31.37	3	Horizontal	351	1.07	-	77.07	27.64	3.73	-
PK	2.4844G	65.81	74.00	-8.19	31.37	3	Horizontal	351	1.07	-	34.44	27.62	3.75	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/07/2019

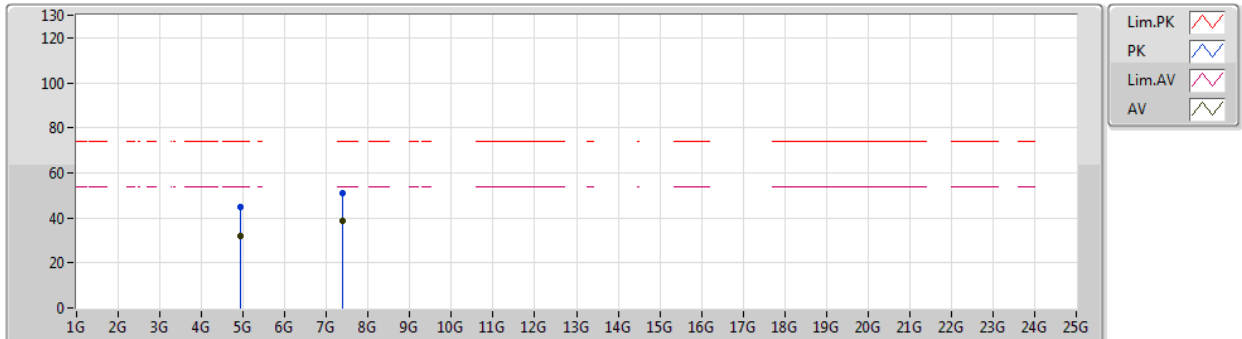


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93714G	32.18	54.00	-21.82	1.94	3	Vertical	112	2.64	-	30.24	31.37	5.39	34.82
AV	7.3813G	38.03	54.00	-15.97	7.95	3	Vertical	285	1.50	-	30.08	36.42	6.64	35.11
PK	4.93762G	45.18	74.00	-28.82	1.95	3	Vertical	112	2.64	-	43.23	31.38	5.39	34.82
PK	7.38788G	51.24	74.00	-22.76	7.95	3	Vertical	285	1.50	-	43.29	36.41	6.65	35.11

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

03/07/2019

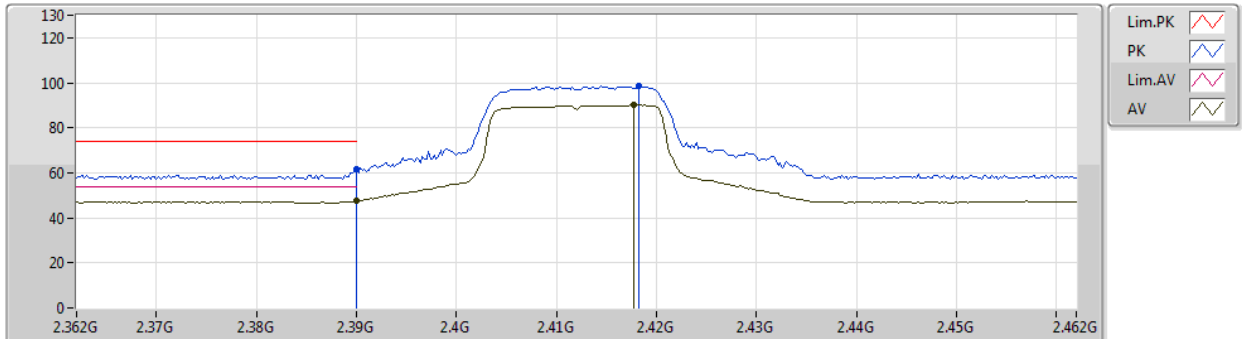


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93372G	32.05	54.00	-21.95	1.94	3	Horizontal	350	1.63	-	30.11	31.37	5.39	34.82
AV	7.38704G	38.65	54.00	-15.35	7.94	3	Horizontal	202	2.30	-	30.71	36.41	6.64	35.11
PK	4.93846G	45.03	74.00	-28.97	1.95	3	Horizontal	350	1.63	-	43.08	31.38	5.39	34.82
PK	7.38722G	51.16	74.00	-22.84	7.94	3	Horizontal	202	2.30	-	43.22	36.41	6.64	35.11

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

26/06/2019

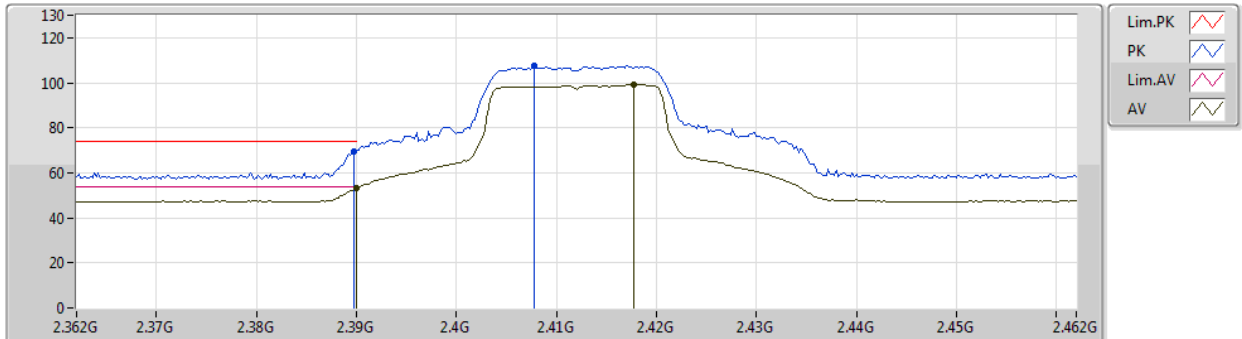


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	47.58	54.00	-6.42	31.38	3	Vertical	340	2.78	-	16.20	27.72	3.66	-
AV	2.4178G	90.15	Inf	-Inf	31.37	3	Vertical	340	2.78	-	58.78	27.68	3.69	-
PK	2.39G	61.62	74.00	-12.38	31.38	3	Vertical	340	2.78	-	30.24	27.72	3.66	-
PK	2.4182G	98.68	Inf	-Inf	31.37	3	Vertical	340	2.78	-	67.31	27.68	3.69	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

26/06/2019

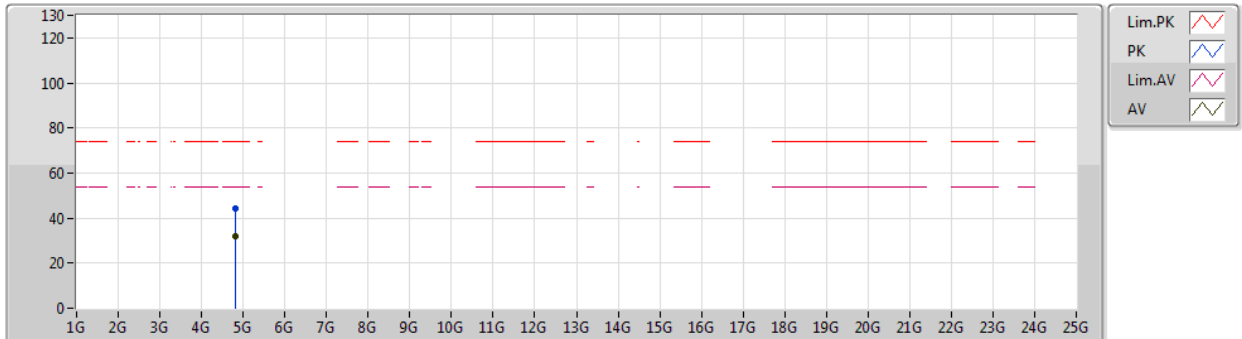


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.07	54.00	-0.93	31.38	3	Horizontal	177	1.33	-	21.69	27.72	3.66	-
AV	2.4178G	99.23	Inf	-Inf	31.37	3	Horizontal	177	1.33	-	67.86	27.68	3.69	-
PK	2.3898G	69.42	74.00	-4.58	31.38	3	Horizontal	177	1.33	-	38.04	27.72	3.66	-
PK	2.4078G	107.36	Inf	-Inf	31.37	3	Horizontal	177	1.33	-	75.99	27.69	3.68	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

26/06/2019

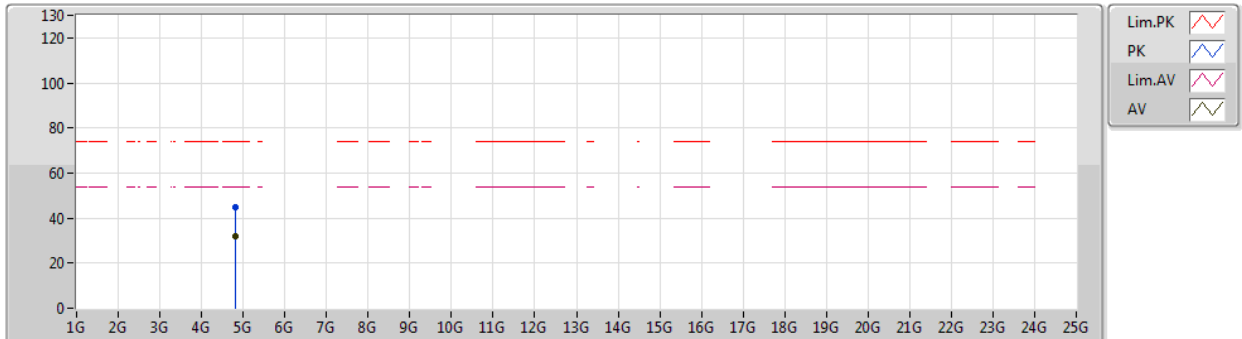


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82613G	32.16	54.00	-21.84	1.72	3	Vertical	311	1.07	-	30.44	31.23	5.33	34.84
PK	4.82297G	44.42	74.00	-29.58	1.70	3	Vertical	311	1.07	-	42.72	31.22	5.33	34.85

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

26/06/2019

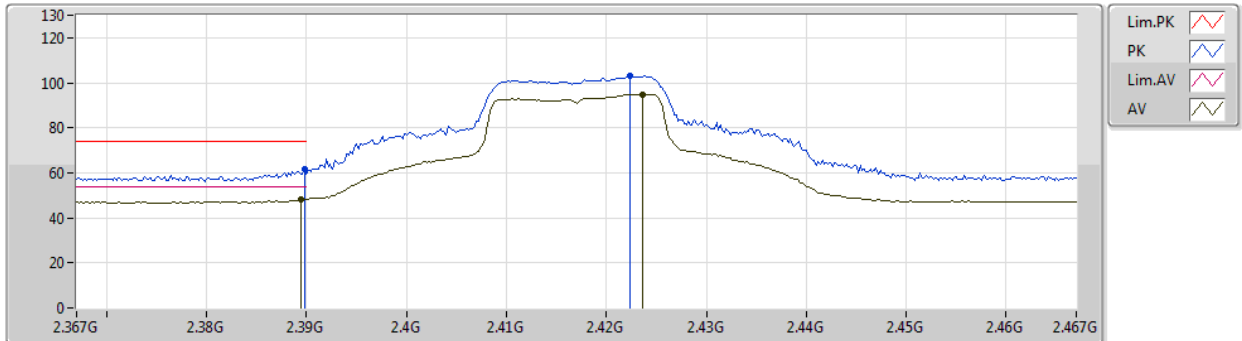


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82332G	32.19	54.00	-21.81	1.70	3	Horizontal	204	1.37	-	30.49	31.22	5.33	34.85
PK	4.82616G	44.63	74.00	-29.37	1.72	3	Horizontal	204	1.37	-	42.91	31.23	5.33	34.84

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

26/06/2019

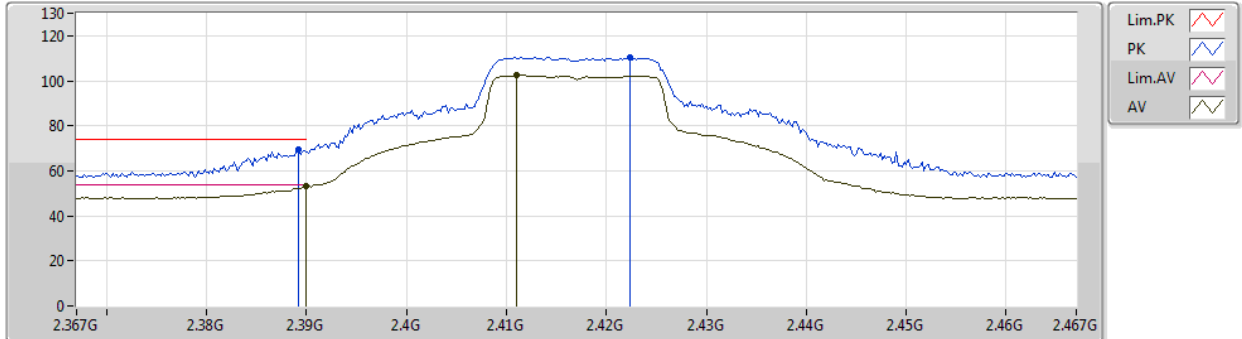


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	48.07	54.00	-5.93	31.38	3	Vertical	337	2.50	-	16.69	27.72	3.66	-
AV	2.4236G	94.94	Inf	-Inf	31.37	3	Vertical	337	2.50	-	63.57	27.68	3.69	-
PK	2.3898G	61.72	74.00	-12.28	31.38	3	Vertical	337	2.50	-	30.34	27.72	3.66	-
PK	2.4224G	103.06	Inf	-Inf	31.37	3	Vertical	337	2.50	-	71.69	27.68	3.69	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

26/06/2019

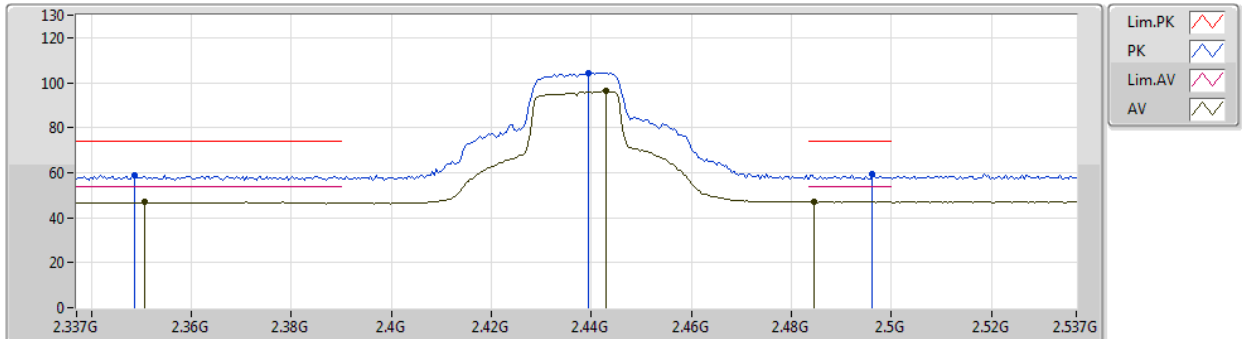


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.07	54.00	-0.93	31.38	3	Horizontal	176	1.50	-	21.69	27.72	3.66	-
AV	2.411G	102.34	Inf	-Inf	31.37	3	Horizontal	176	1.50	-	70.97	27.69	3.68	-
PK	2.3892G	69.40	74.00	-4.60	31.38	3	Horizontal	176	1.50	-	38.02	27.72	3.66	-
PK	2.4224G	110.53	Inf	-Inf	31.37	3	Horizontal	176	1.50	-	79.16	27.68	3.69	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/07/2019

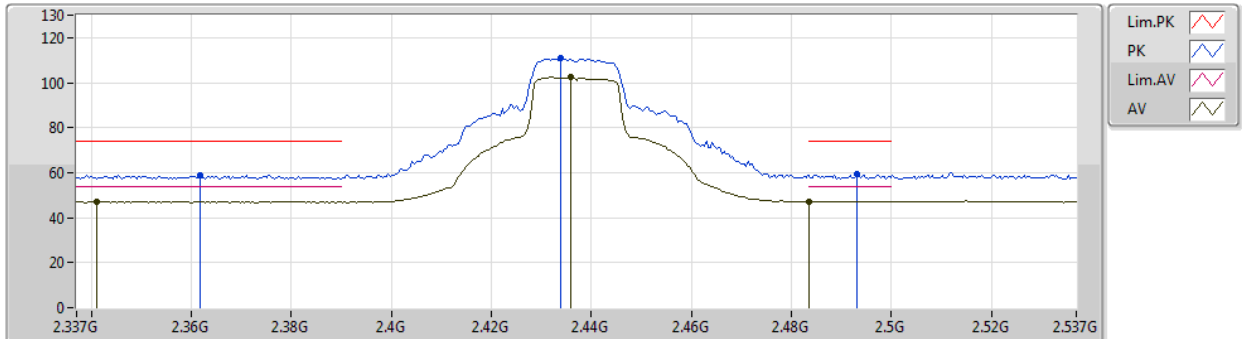


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3506G	46.95	54.00	-7.05	31.44	3	Vertical	8	1.25	-	15.51	27.80	3.64	-
AV	2.443G	96.29	Inf	-Inf	31.37	3	Vertical	8	1.25	-	64.92	27.66	3.71	-
AV	2.4846G	47.16	54.00	-6.84	31.37	3	Vertical	8	1.25	-	15.79	27.62	3.75	-
PK	2.3486G	59.02	74.00	-14.98	31.43	3	Vertical	8	1.25	-	27.59	27.80	3.63	-
PK	2.4394G	104.50	Inf	-Inf	31.37	3	Vertical	8	1.25	-	73.13	27.66	3.71	-
PK	2.4962G	59.15	74.00	-14.85	31.36	3	Vertical	8	1.25	-	27.79	27.60	3.76	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/07/2019

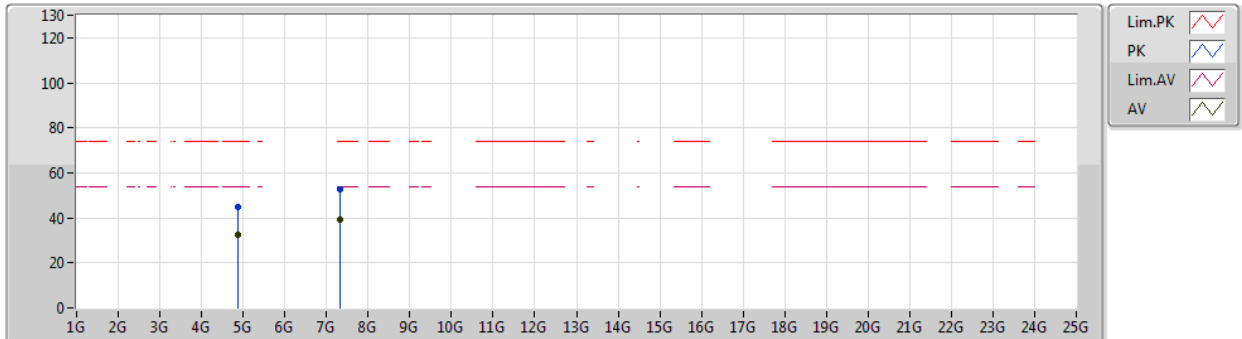


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.341G	47.27	54.00	-6.73	31.45	3	Horizontal	349	1.31	-	15.82	27.82	3.63	-
AV	2.4358G	102.38	Inf	-Inf	31.36	3	Horizontal	349	1.31	-	71.02	27.66	3.70	-
AV	2.4835G	47.16	54.00	-6.84	31.37	3	Horizontal	349	1.31	-	15.79	27.62	3.75	-
PK	2.3618G	59.09	74.00	-14.91	31.42	3	Horizontal	349	1.31	-	27.67	27.78	3.64	-
PK	2.4338G	110.89	Inf	-Inf	31.37	3	Horizontal	349	1.31	-	79.52	27.67	3.70	-
PK	2.493G	59.22	74.00	-14.78	31.36	3	Horizontal	349	1.31	-	27.86	27.61	3.75	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/07/2019

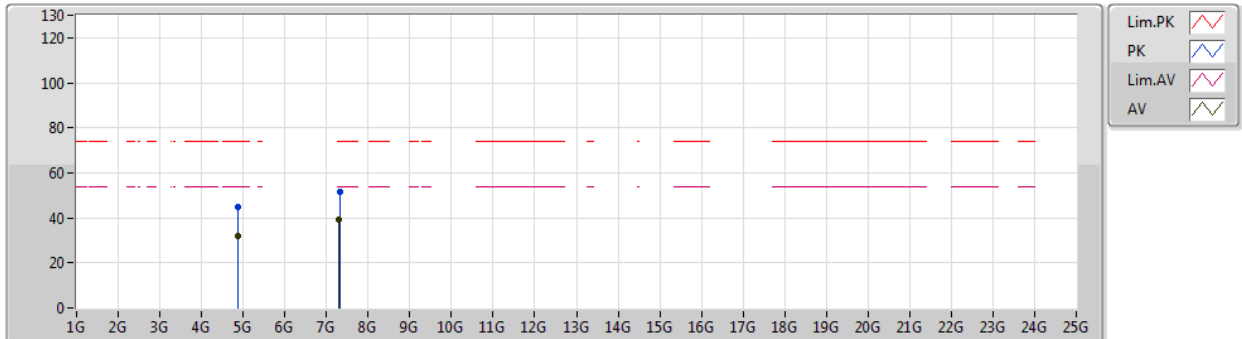


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87628G	32.42	54.00	-21.58	1.81	3	Vertical	28	1.06	-	30.61	31.28	5.36	34.83
AV	7.31064G	39.03	54.00	-14.97	8.01	3	Vertical	131	1.50	-	31.02	36.49	6.61	35.09
PK	4.87183G	44.66	74.00	-29.34	1.79	3	Vertical	28	1.06	-	42.87	31.27	5.36	34.84
PK	7.31166G	52.58	74.00	-21.42	8.01	3	Vertical	131	1.50	-	44.57	36.49	6.61	35.09

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

03/07/2019

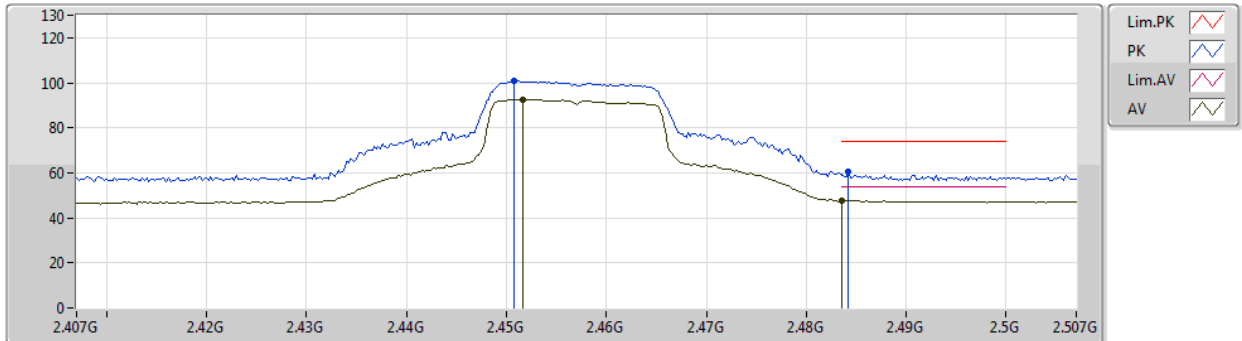


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87604G	32.16	54.00	-21.84	1.81	3	Horizontal	11	2.15	-	30.35	31.28	5.36	34.83
AV	7.30818G	38.95	54.00	-15.05	8.01	3	Horizontal	145	1.50	-	30.94	36.49	6.61	35.09
PK	4.8734G	44.98	74.00	-29.02	1.79	3	Horizontal	11	2.15	-	43.19	31.27	5.36	34.84
PK	7.31352G	51.51	74.00	-22.49	8.02	3	Horizontal	145	1.50	-	43.49	36.49	6.62	35.09

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

26/06/2019

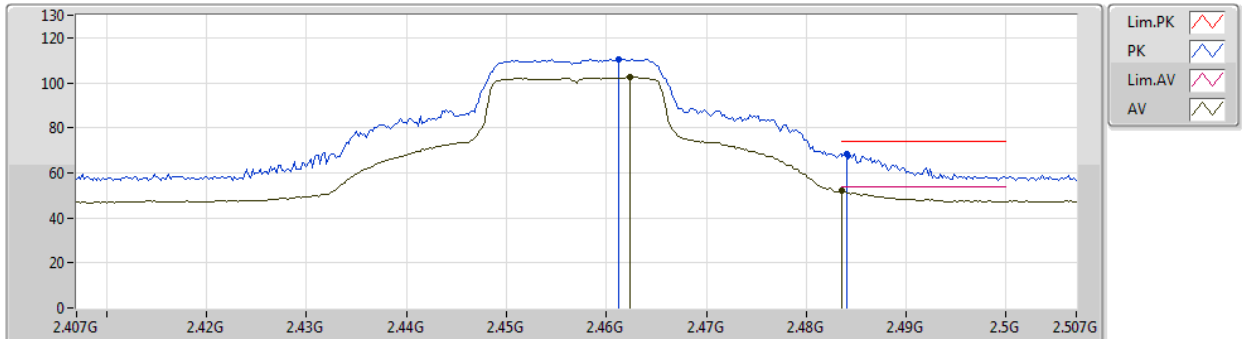


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4516G	92.66	Inf	-Inf	31.37	3	Vertical	345	1.40	-	61.29	27.65	3.72	-
AV	2.4835G	47.44	54.00	-6.56	31.37	3	Vertical	345	1.40	-	16.07	27.62	3.75	-
PK	2.4508G	101.04	Inf	-Inf	31.37	3	Vertical	345	1.40	-	69.67	27.65	3.72	-
PK	2.4842G	60.28	74.00	-13.72	31.37	3	Vertical	345	1.40	-	28.91	27.62	3.75	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

26/06/2019

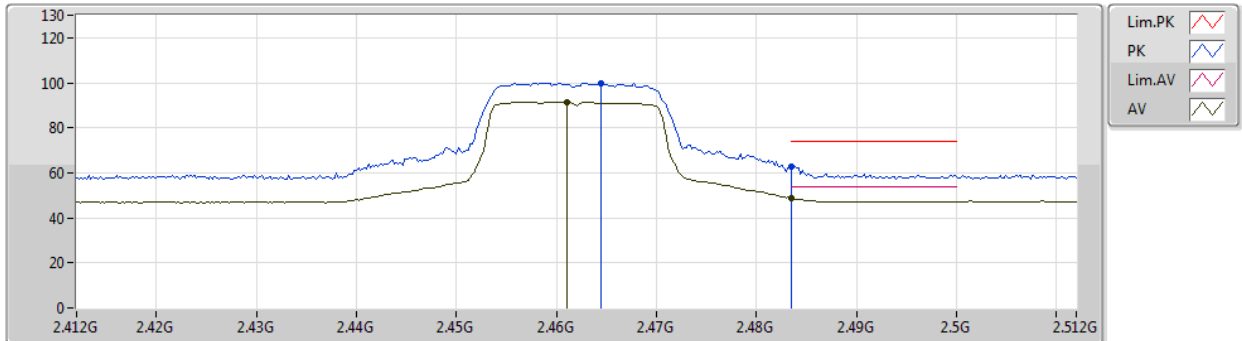


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4624G	102.45	Inf	-Inf	31.37	3	Horizontal	181	1.59	-	71.08	27.64	3.73	-
AV	2.4835G	51.98	54.00	-2.02	31.37	3	Horizontal	181	1.59	-	20.61	27.62	3.75	-
PK	2.4612G	110.53	Inf	-Inf	31.37	3	Horizontal	181	1.59	-	79.16	27.64	3.73	-
PK	2.484G	68.61	74.00	-5.39	31.37	3	Horizontal	181	1.59	-	37.24	27.62	3.75	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

26/06/2019

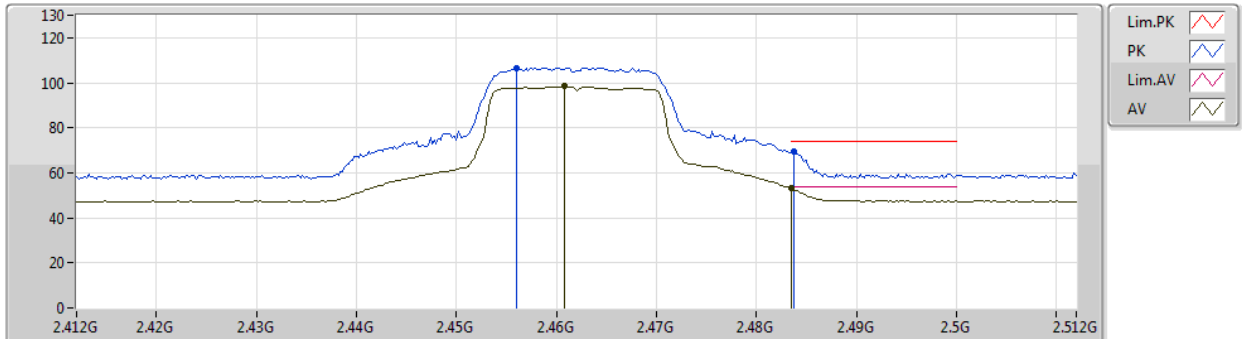


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.461G	91.54	Inf	-Inf	31.36	3	Vertical	78	1.00	-	60.18	27.64	3.72	-
AV	2.4835G	48.93	54.00	-5.07	31.37	3	Vertical	78	1.00	-	17.56	27.62	3.75	-
PK	2.4644G	99.92	Inf	-Inf	31.37	3	Vertical	78	1.00	-	68.55	27.64	3.73	-
PK	2.4835G	62.59	74.00	-11.41	31.37	3	Vertical	78	1.00	-	31.22	27.62	3.75	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

26/06/2019

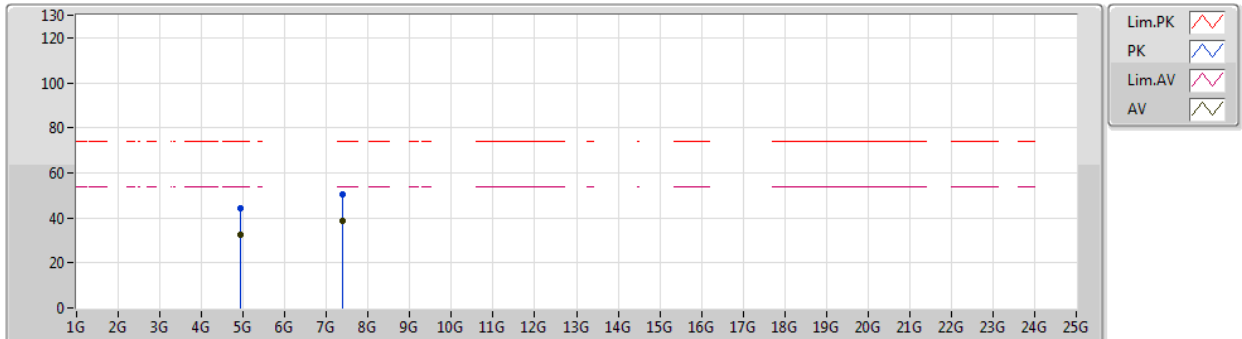


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4608G	98.38	Inf	-Inf	31.36	3	Horizontal	196	1.50	-	67.02	27.64	3.72	-
AV	2.4835G	53.04	54.00	-0.96	31.37	3	Horizontal	196	1.50	-	21.67	27.62	3.75	-
PK	2.456G	106.72	Inf	-Inf	31.36	3	Horizontal	196	1.50	-	75.36	27.64	3.72	-
PK	2.4838G	69.38	74.00	-4.62	31.37	3	Horizontal	196	1.50	-	38.01	27.62	3.75	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

26/06/2019

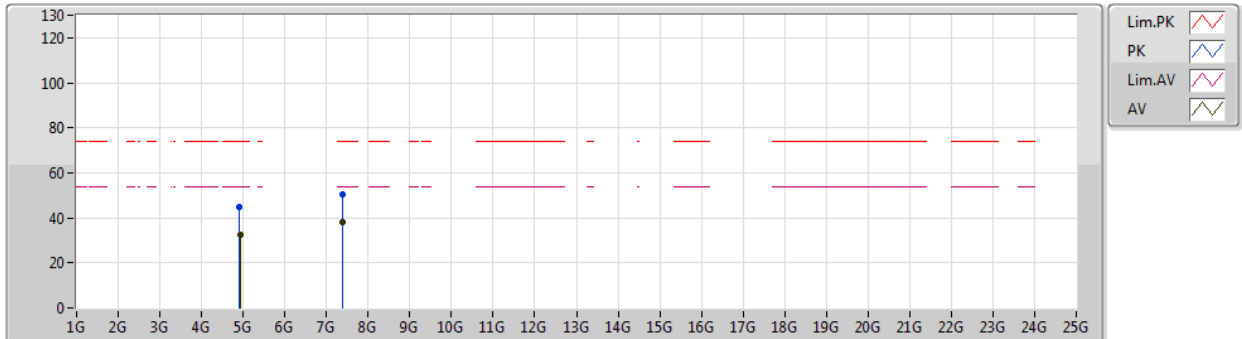


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9354G	32.33	54.00	-21.67	1.94	3	Vertical	21	2.20	-	30.39	31.37	5.39	34.82
AV	7.37988G	38.56	54.00	-15.44	7.95	3	Vertical	299	2.39	-	30.61	36.42	6.64	35.11
PK	4.92964G	44.24	74.00	-29.76	1.92	3	Vertical	21	2.20	-	42.32	31.36	5.38	34.82
PK	7.38708G	50.68	74.00	-23.32	7.94	3	Vertical	299	2.39	-	42.74	36.41	6.64	35.11

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

26/06/2019

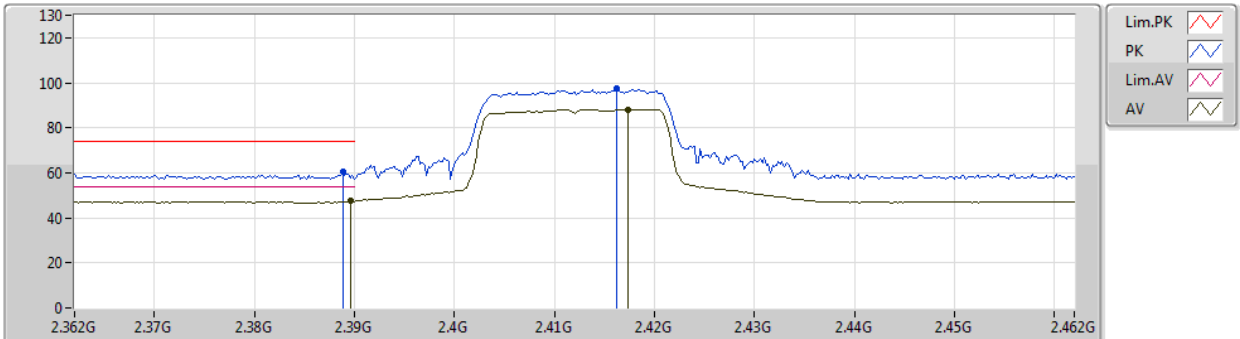


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93192G	32.39	54.00	-21.61	1.93	3	Horizontal	340	1.59	-	30.46	31.36	5.39	34.82
AV	7.38174G	38.37	54.00	-15.63	7.95	3	Horizontal	194	2.23	-	30.42	36.42	6.64	35.11
PK	4.91152G	45.02	74.00	-28.98	1.87	3	Horizontal	340	1.59	-	43.15	31.32	5.38	34.83
PK	7.37964G	50.56	74.00	-23.44	7.95	3	Horizontal	194	2.23	-	42.61	36.42	6.64	35.11

802.11n HT20_Nss1,(MCS0)_1TX

26/06/2019

2412MHz_TX

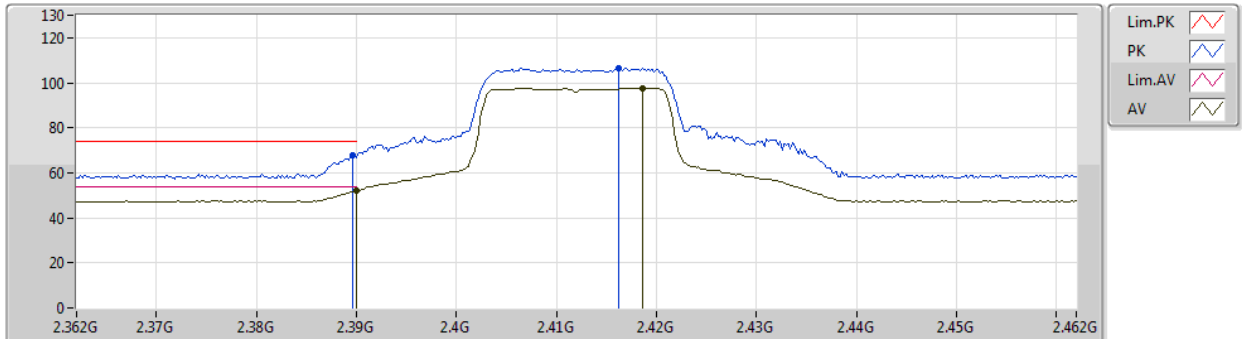


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	47.58	54.00	-6.42	31.38	3	Vertical	338	2.77	-	16.20	27.72	3.66	-
AV	2.4174G	88.17	Inf	-Inf	31.37	3	Vertical	338	2.77	-	56.80	27.68	3.69	-
PK	2.3888G	60.37	74.00	-13.63	31.38	3	Vertical	338	2.77	-	28.99	27.72	3.66	-
PK	2.4162G	97.25	Inf	-Inf	31.36	3	Vertical	338	2.77	-	65.89	27.68	3.68	-

802.11n HT20_Nss1,(MCS0)_1TX

26/06/2019

2412MHz_TX

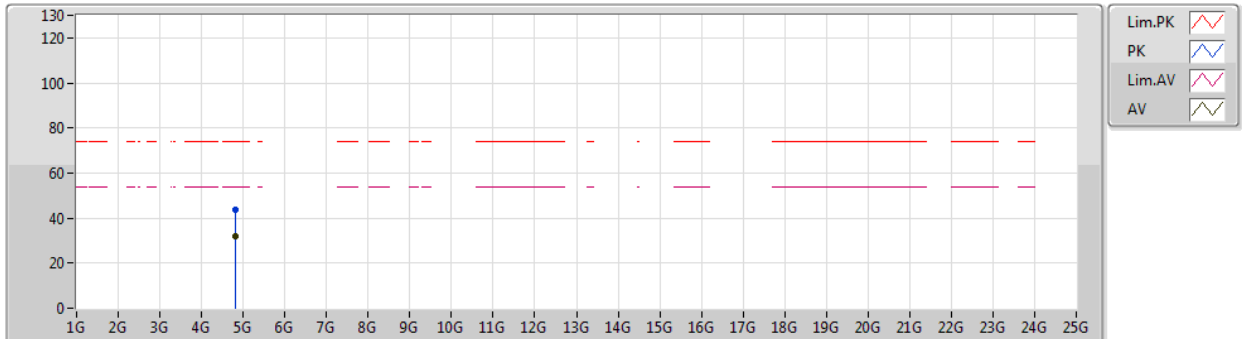


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.07	54.00	-1.93	31.38	3	Horizontal	187	1.31	-	20.69	27.72	3.66	-
AV	2.4186G	97.68	Inf	-Inf	31.37	3	Horizontal	187	1.31	-	66.31	27.68	3.69	-
PK	2.3896G	67.94	74.00	-6.06	31.38	3	Horizontal	187	1.31	-	36.56	27.72	3.66	-
PK	2.4162G	106.67	Inf	-Inf	31.36	3	Horizontal	187	1.31	-	75.31	27.68	3.68	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

26/06/2019

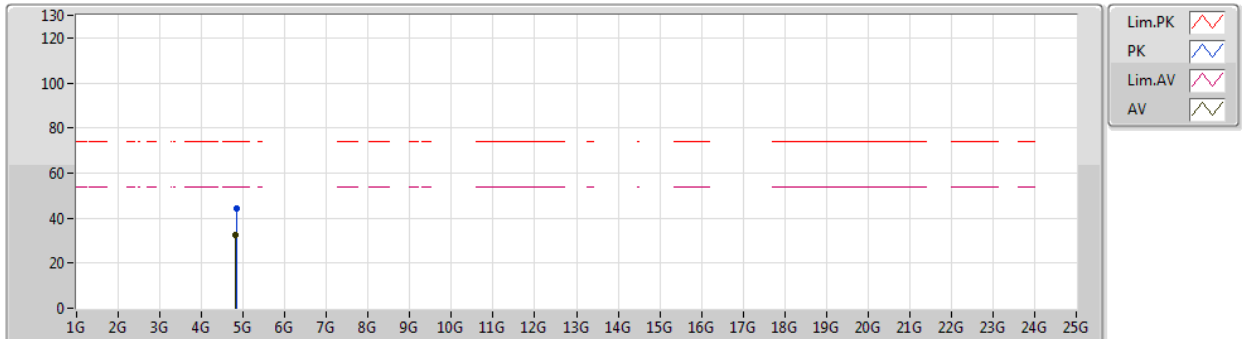


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82022G	32.10	54.00	-21.90	1.70	3	Vertical	101	2.49	-	30.40	31.22	5.33	34.85
PK	4.82628G	43.87	74.00	-30.13	1.72	3	Vertical	101	2.49	-	42.15	31.23	5.33	34.84

802.11n HT20_Nss1,(MCS0)_1TX

26/06/2019

2412MHz_TX

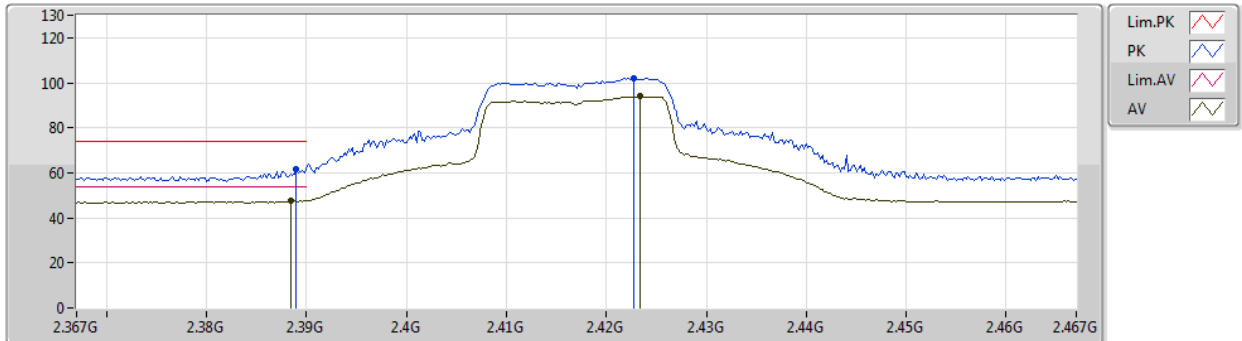


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.81794G	32.29	54.00	-21.71	1.70	3	Horizontal	83	1.45	-	30.59	31.22	5.33	34.85
PK	4.83018G	44.52	74.00	-29.48	1.73	3	Horizontal	83	1.45	-	42.79	31.23	5.34	34.84

802.11n HT20_Nss1,(MCS0)_1TX

26/06/2019

2417MHz_TX

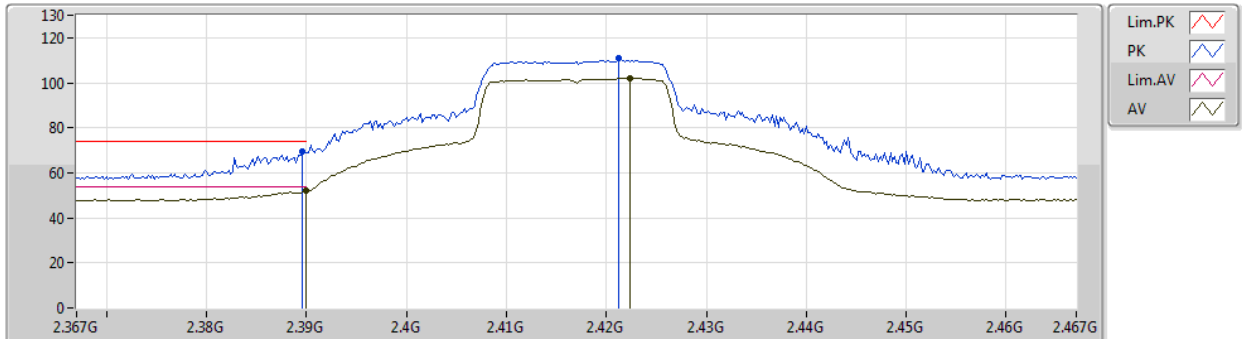


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3884G	47.83	54.00	-6.17	31.38	3	Vertical	337	2.49	-	16.45	27.72	3.66	-
AV	2.4234G	93.97	Inf	-Inf	31.37	3	Vertical	337	2.49	-	62.60	27.68	3.69	-
PK	2.389G	61.62	74.00	-12.38	31.38	3	Vertical	337	2.49	-	30.24	27.72	3.66	-
PK	2.4228G	102.11	Inf	-Inf	31.37	3	Vertical	337	2.49	-	70.74	27.68	3.69	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

26/06/2019

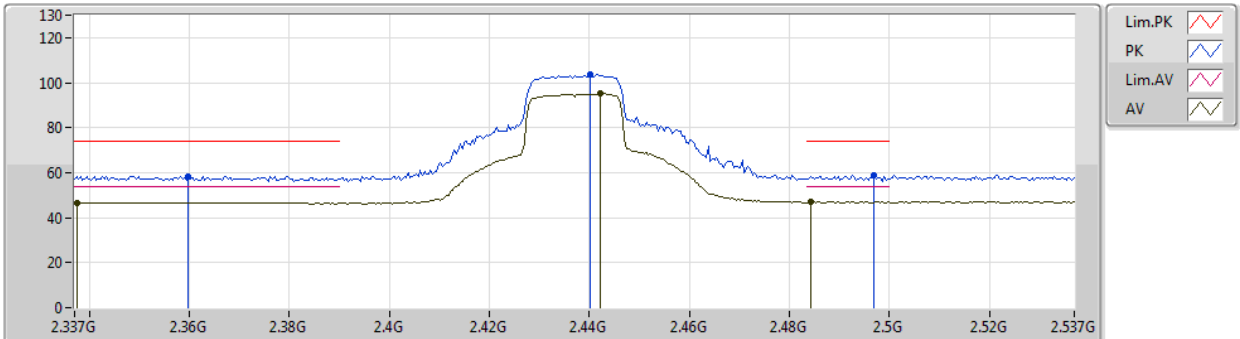


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.22	54.00	-1.78	31.38	3	Horizontal	176	1.36	-	20.84	27.72	3.66	-
AV	2.4224G	101.97	Inf	-Inf	31.37	3	Horizontal	176	1.36	-	70.60	27.68	3.69	-
PK	2.3896G	69.76	74.00	-4.24	31.38	3	Horizontal	176	1.36	-	38.38	27.72	3.66	-
PK	2.4212G	111.15	Inf	-Inf	31.37	3	Horizontal	176	1.36	-	79.78	27.68	3.69	-

802.11n HT20_Nss1,(MCS0)_1TX

03/07/2019

2437MHz_TX

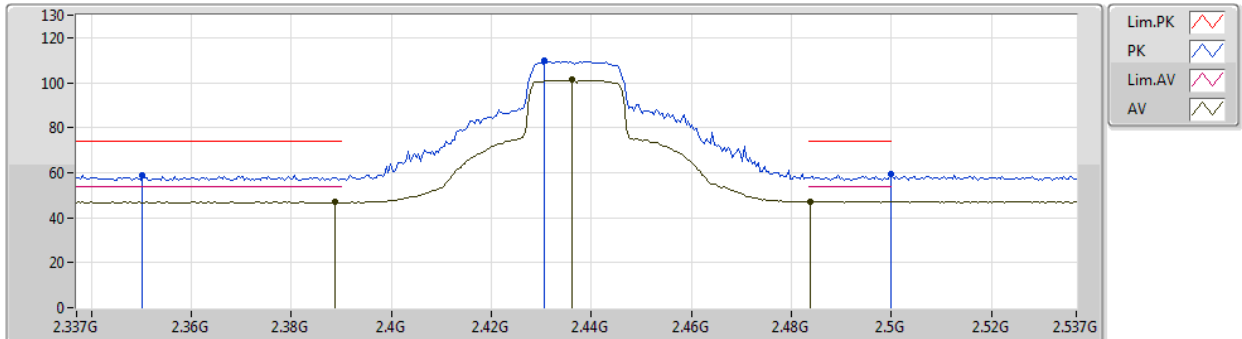


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3374G	46.76	54.00	-7.24	31.46	3	Vertical	349	1.01	-	15.30	27.83	3.63	-
AV	2.4422G	95.14	Inf	-Inf	31.37	3	Vertical	349	1.01	-	63.77	27.66	3.71	-
AV	2.4842G	46.88	54.00	-7.12	31.37	3	Vertical	349	1.01	-	15.51	27.62	3.75	-
PK	2.3598G	58.48	74.00	-15.52	31.42	3	Vertical	349	1.01	-	27.06	27.78	3.64	-
PK	2.4402G	103.94	Inf	-Inf	31.37	3	Vertical	349	1.01	-	72.57	27.66	3.71	-
PK	2.497G	58.73	74.00	-15.27	31.36	3	Vertical	349	1.01	-	27.37	27.60	3.76	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

03/07/2019

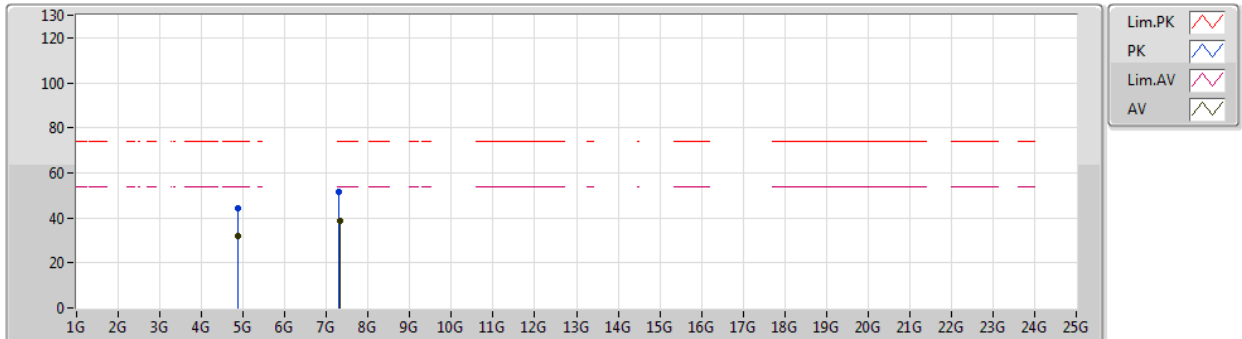


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	47.04	54.00	-6.96	31.38	3	Horizontal	354	1.34	-	15.66	27.72	3.66	-
AV	2.4362G	101.27	Inf	-Inf	31.36	3	Horizontal	354	1.34	-	69.91	27.66	3.70	-
AV	2.4838G	47.16	54.00	-6.84	31.37	3	Horizontal	354	1.34	-	15.79	27.62	3.75	-
PK	2.3502G	58.96	74.00	-15.04	31.44	3	Horizontal	354	1.34	-	27.52	27.80	3.64	-
PK	2.4306G	109.58	Inf	-Inf	31.37	3	Horizontal	354	1.34	-	78.21	27.67	3.70	-
PK	2.4998G	59.28	74.00	-14.72	31.36	3	Horizontal	354	1.34	-	27.92	27.60	3.76	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

03/07/2019

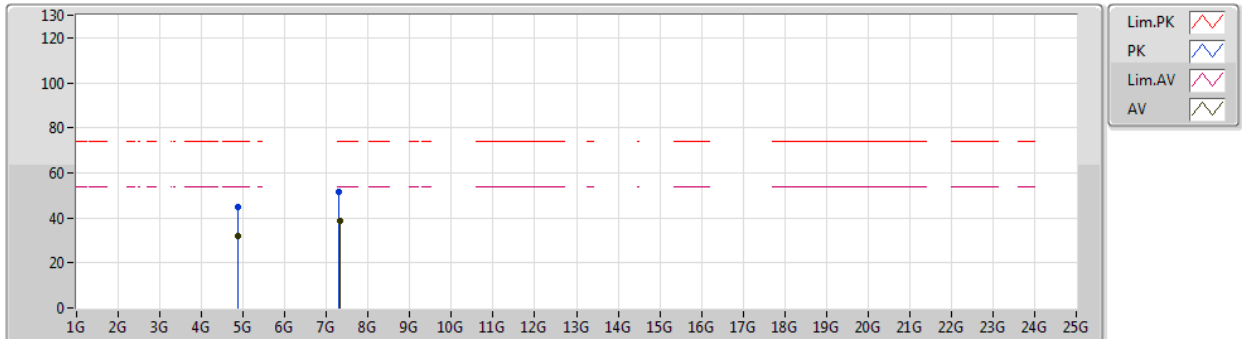


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87352G	32.06	54.00	-21.94	1.79	3	Vertical	19	1.50	-	30.27	31.27	5.36	34.84
AV	7.3137G	38.88	54.00	-15.12	8.02	3	Vertical	310	1.50	-	30.86	36.49	6.62	35.09
PK	4.86236G	44.46	74.00	-29.54	1.77	3	Vertical	19	1.50	-	42.69	31.26	5.35	34.84
PK	7.29756G	51.28	74.00	-22.72	8.01	3	Vertical	310	1.50	-	43.27	36.49	6.61	35.09

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

03/07/2019

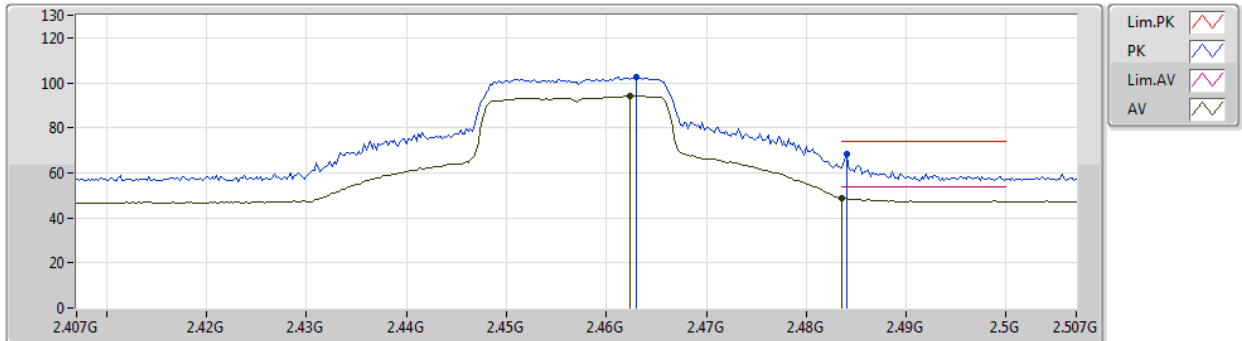


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88732G	32.05	54.00	-21.95	1.82	3	Horizontal	210	1.50	-	30.23	31.29	5.36	34.83
AV	7.31268G	38.83	54.00	-15.17	8.02	3	Horizontal	134	1.50	-	30.81	36.49	6.62	35.09
PK	4.88648G	44.59	74.00	-29.41	1.82	3	Horizontal	210	1.50	-	42.77	31.29	5.36	34.83
PK	7.30824G	51.36	74.00	-22.64	8.01	3	Horizontal	134	1.50	-	43.35	36.49	6.61	35.09

802.11n HT20_Nss1,(MCS0)_1TX

26/06/2019

2457MHz_TX

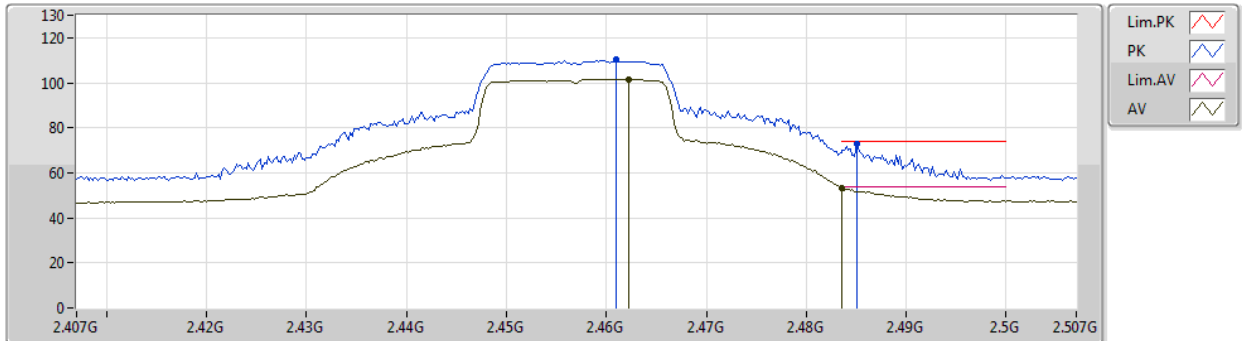


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4624G	94.14	Inf	-Inf	31.37	3	Vertical	189	1.14	-	62.77	27.64	3.73	-
AV	2.4836G	48.93	54.00	-5.07	31.37	3	Vertical	189	1.14	-	17.56	27.62	3.75	-
PK	2.463G	102.56	Inf	-Inf	31.37	3	Vertical	189	1.14	-	71.19	27.64	3.73	-
PK	2.484G	68.18	74.00	-5.82	31.37	3	Vertical	189	1.14	-	36.81	27.62	3.75	-

802.11n HT20_Nss1,(MCS0)_1TX

26/06/2019

2457MHz_TX

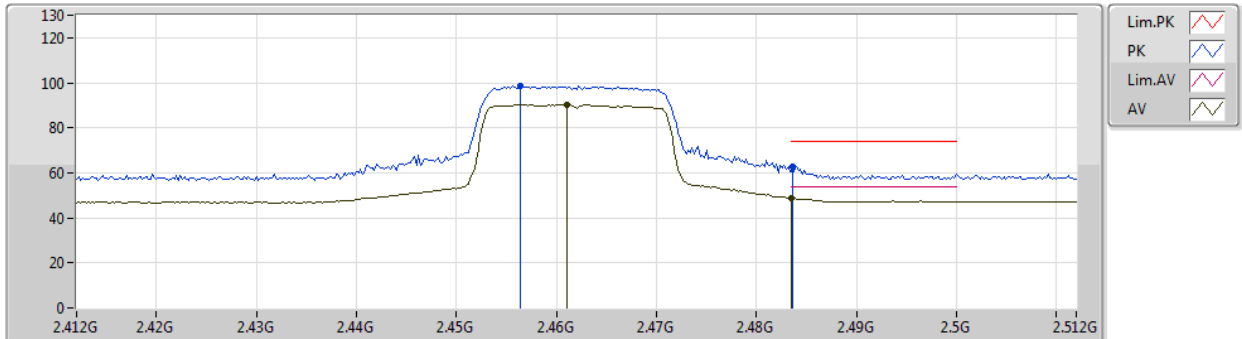


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4622G	101.66	Inf	-Inf	31.37	3	Horizontal	196	1.50	-	70.29	27.64	3.73	-
AV	2.4836G	53.18	54.00	-0.82	31.37	3	Horizontal	196	1.50	-	21.81	27.62	3.75	-
PK	2.461G	110.46	Inf	-Inf	31.36	3	Horizontal	196	1.50	-	79.10	27.64	3.72	-
PK	2.485G	72.85	74.00	-1.15	31.37	3	Horizontal	196	1.50	-	41.48	27.62	3.75	-

802.11n HT20_Nss1,(MCS0)_1TX

26/06/2019

2462MHz_TX

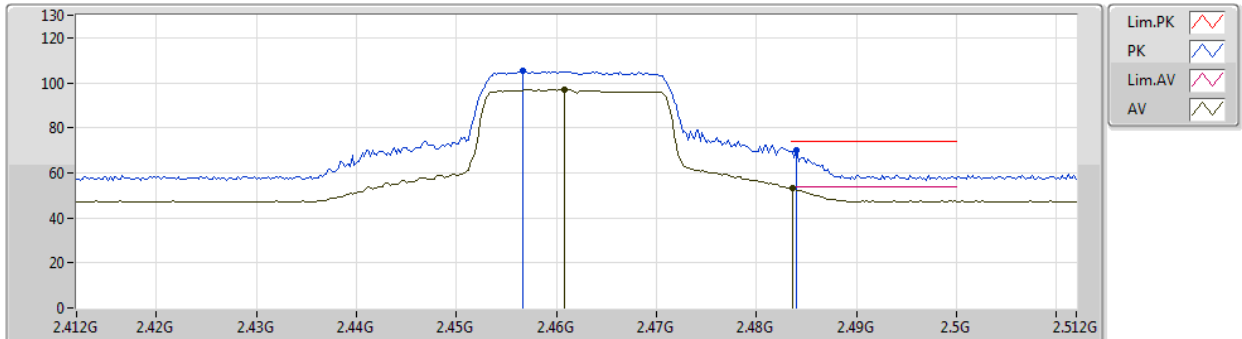


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.461G	90.17	Inf	-Inf	31.36	3	Vertical	78	1.00	-	58.81	27.64	3.72	-
AV	2.4835G	48.70	54.00	-5.30	31.37	3	Vertical	78	1.00	-	17.33	27.62	3.75	-
PK	2.4564G	98.70	Inf	-Inf	31.36	3	Vertical	78	1.00	-	67.34	27.64	3.72	-
PK	2.4836G	62.69	74.00	-11.31	31.37	3	Vertical	78	1.00	-	31.32	27.62	3.75	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

26/06/2019

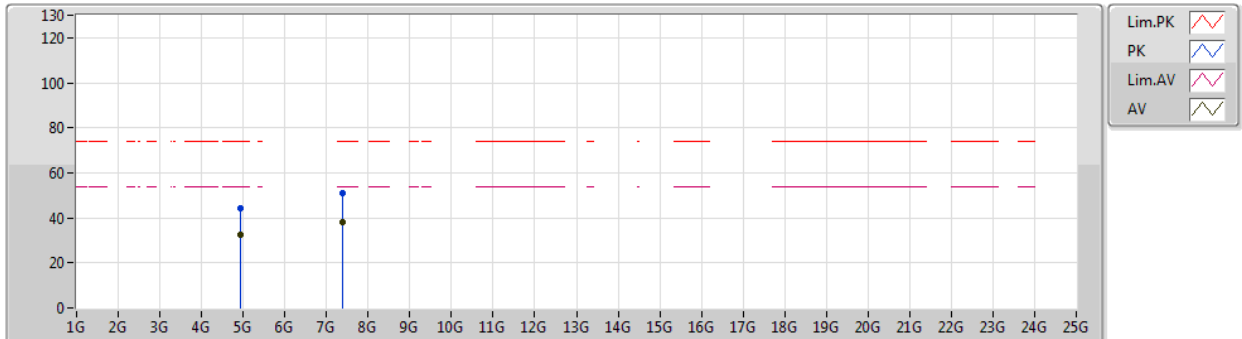


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4608G	97.00	Inf	-Inf	31.36	3	Horizontal	197	1.48	-	65.64	27.64	3.72	-
AV	2.4836G	53.04	54.00	-0.96	31.37	3	Horizontal	197	1.48	-	21.67	27.62	3.75	-
PK	2.4566G	105.28	Inf	-Inf	31.36	3	Horizontal	197	1.48	-	73.92	27.64	3.72	-
PK	2.484G	70.07	74.00	-3.93	31.37	3	Horizontal	197	1.48	-	38.70	27.62	3.75	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

26/06/2019

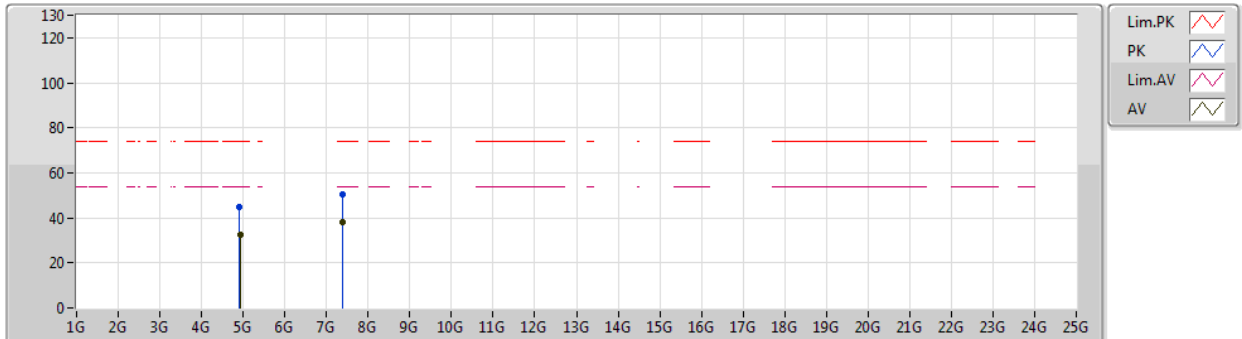


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93882G	32.59	54.00	-21.41	1.95	3	Vertical	25	1.61	-	30.64	31.38	5.39	34.82
AV	7.40004G	38.37	54.00	-15.63	7.94	3	Vertical	310	1.99	-	30.43	36.40	6.65	35.11
PK	4.93564G	44.42	74.00	-29.58	1.94	3	Vertical	25	1.61	-	42.48	31.37	5.39	34.82
PK	7.37226G	50.89	74.00	-23.11	7.97	3	Vertical	310	1.99	-	42.92	36.43	6.64	35.10

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

26/06/2019



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93888G	32.38	54.00	-21.62	1.95	3	Horizontal	222	2.13	-	30.43	31.38	5.39	34.82
AV	7.37244G	38.32	54.00	-15.68	7.97	3	Horizontal	139	1.32	-	30.35	36.43	6.64	35.10
PK	4.9186G	44.59	74.00	-29.41	1.90	3	Horizontal	222	2.13	-	42.69	31.34	5.38	34.82
PK	7.39152G	50.44	74.00	-23.56	7.95	3	Horizontal	139	1.32	-	42.49	36.41	6.65	35.11