



FCC Test Report

FCC ID : 2AW3T-6157-001
Equipment : AI Camera
Brand Name : Toshiba
Model Name : 6157-001
Applicant : Toshiba Global Commerce Solutions, Inc.
3901 S Miami Blvd Durham, NC 27703 USA
Manufacturer : Toshiba Global Commerce Solutions, Inc.
3901 S Miami Blvd Durham, NC 27703 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 24, 2020, and testing was started from Jul. 09, 2020 and completed on Aug. 27, 2020. 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 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	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

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: Sam 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]

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

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
1	HILISIN	BTFA00280825GC1A01	PIFA	murata
2	INVAX	AN2450-3902BRS	Dipole	HIROSE

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	1.2	4.72	1.2
2	2	2	2.5	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

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	0.987	0.06	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.932	0.31	1.398m	1k
802.11n HT20	0.929	0.32	1.31m	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

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

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.			
☒	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO01-HY	Jeff	22.1~26.4°C / 51~63%	27/Aug/2020
RF Conducted	TH06-HY	Raven	22.7~23.8°C / 54~69%	29/Jul/2020
Radiated	03CH09-HY	Edward	21.8~23.7°C / 52~55%	09/Jul/2020~ 26/Aug/2020

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)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	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	Microsoft Windows Version 6.1
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Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX(Port2)	-
2412MHz	80
2417MHz	85
2437MHz	88
2457MHz	88
2462MHz	83
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	67
2417MHz	74
2437MHz	80
2457MHz	76
2462MHz	69
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	65
2417MHz	74
2437MHz	88
2457MHz	78
2462MHz	65

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
	

2.4 Accessories

Accessories				
AC Adapter (EU Plug)	Brand Name	ADAPTER TECH	Model Name	ATS024T-P120
	Power Rating	I/P: 100-240Vac, 0.58A, O/P: 12Vdc, 2A		
	Power Cord	1.5 meter, shielded cable, with ferrite core		
Power Cable	Signal Line	1.8 meter, shielded cable, w/o ferrite core		

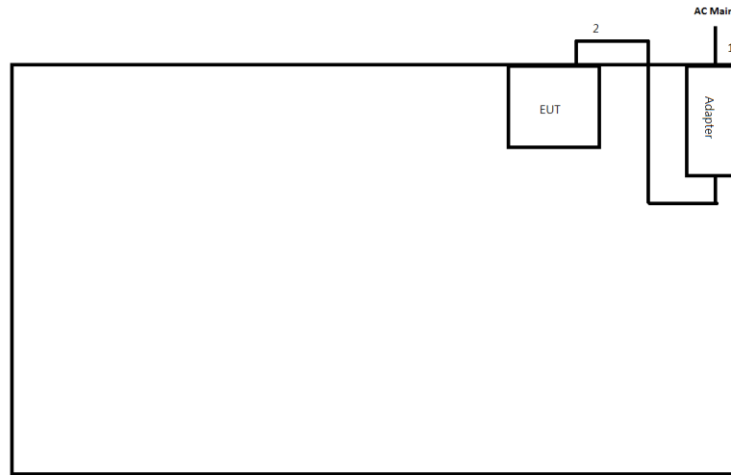
Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC Adapter	ADAPTER TECH	ATS024T-P120	-	Customer provide

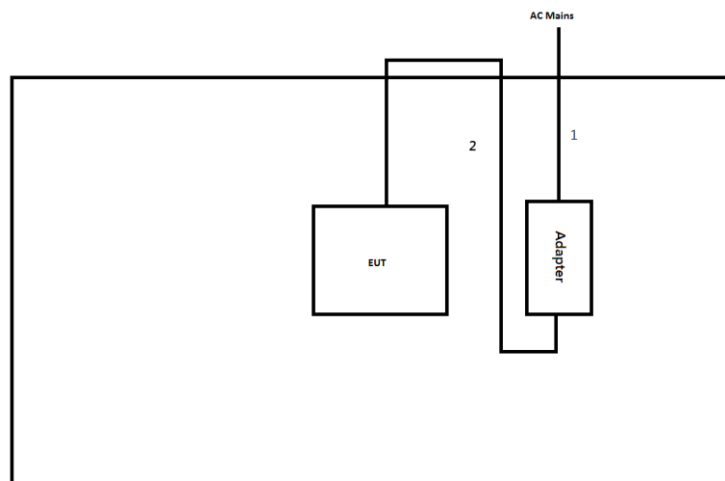
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power cable	No	1.8 m
2	DC Power cable	No	1.5 m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC Power cable	No	1.8 m
2	DC Power cable	No	1.5 m

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

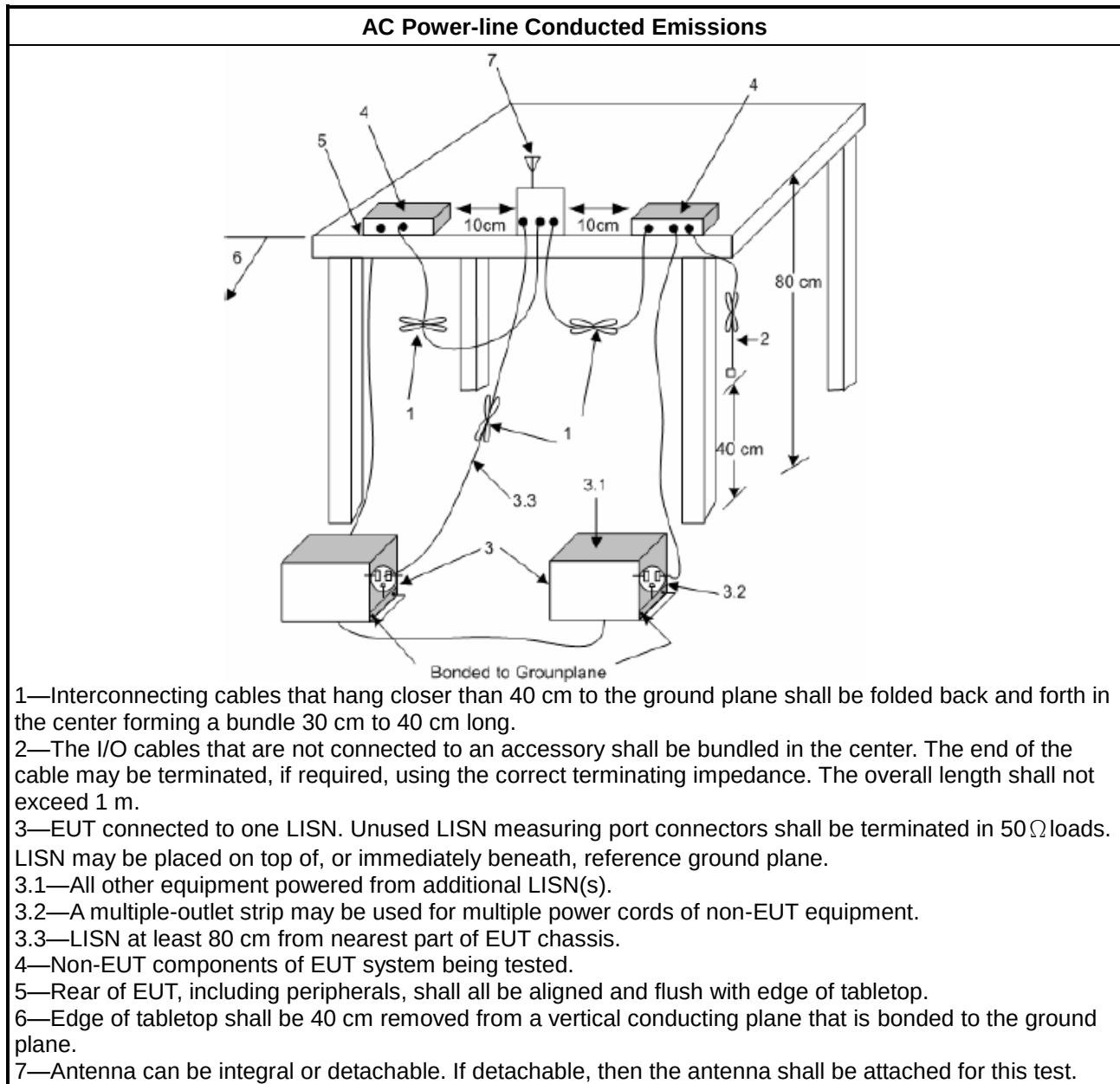
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

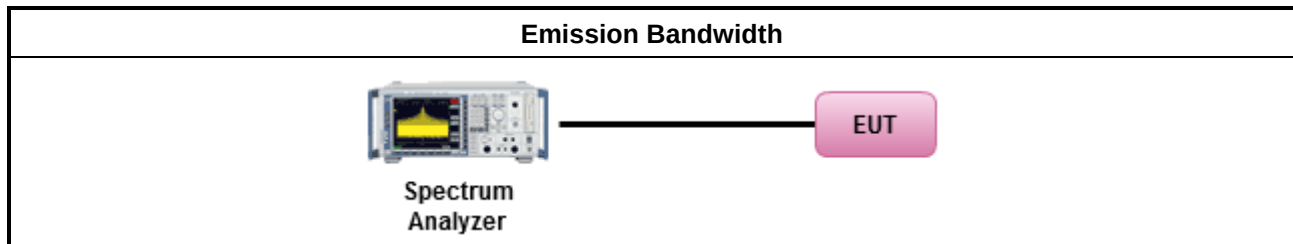
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪	Smart antenna system (SAS):
	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:		
	▪	2400-2483.5 MHz Band
	▪	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	▪	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	▪	Smart antenna system (SAS)
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.		

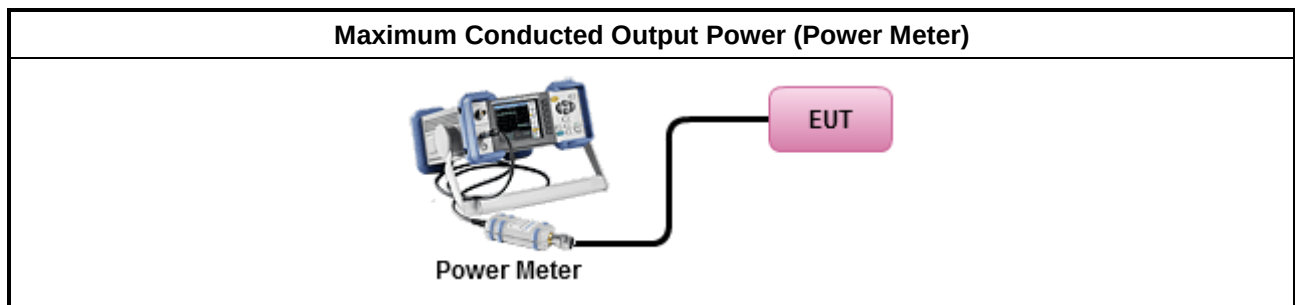
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) $\leq$ 8 dBm/3kHz

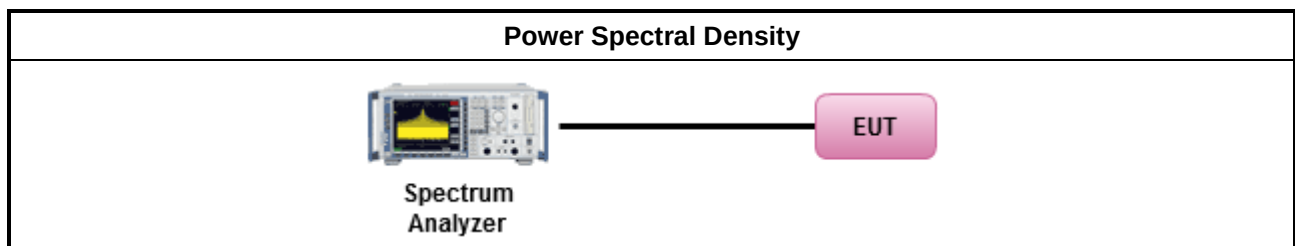
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	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.	

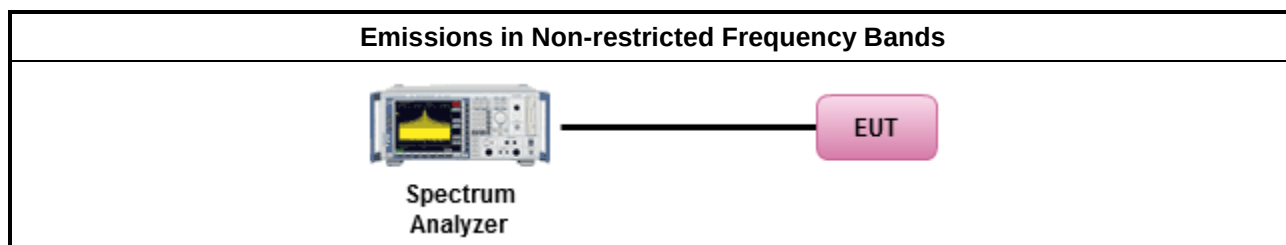
3.5.2 Measuring Instruments

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

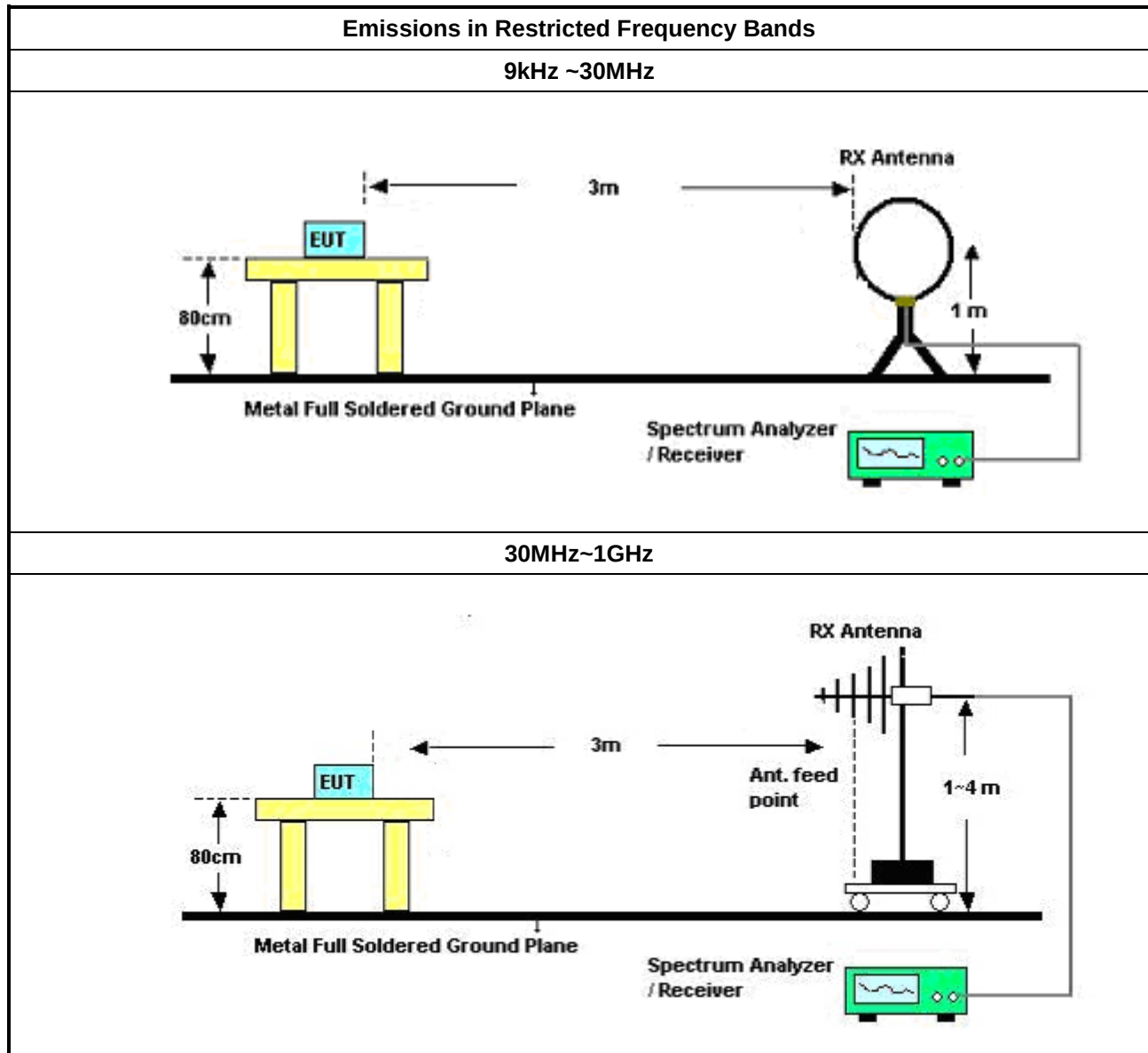
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

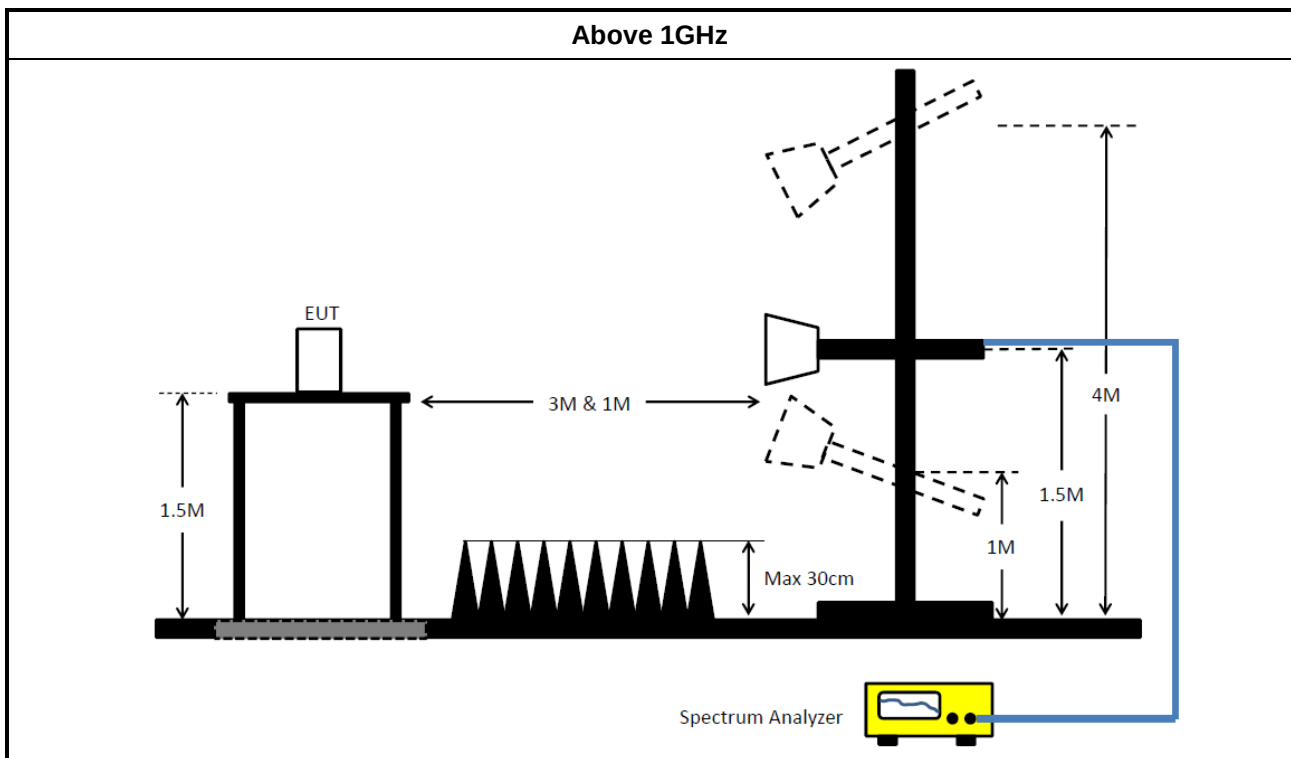
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





3.6.6 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.

3.6.7 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
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2020	08/Apr/2021
Two-Line V Network (LISN)	R&S	ENV 216	101274	9kHz ~ 30MHz	10/Jun/2020	09/Jun/2021
Cable	MTJ	RG 142	CO01-cable-01	100kHz ~ 1GHz	13/Jul/2020	12/Jul/2021
Pulse Limiter	SCHWARZBECK	VTSD 9561F	9495	9kHz ~ 30MHz	24/Sep/2019	23/Sep/2020

NCR: Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10kHz ~ 40GHz	01/Oct/2019	30/Sep/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Signal Analyzer	R&S	FSVA 3030	100903	10Hz ~ 30GHz	05/Aug/2019	04/Aug/2020

**Instrument for Radiated Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	27/Mar/2020	26/Mar/2021
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	19/Mar/2020	18/Mar/2021
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	07/Aug/2019	06/Aug/2020
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	14/Apr/2020	13/Apr/2021
Microwave Preamplifier	Keysight	83017A	MY53270197	1GHz~26.5GHz	27/Nov/2019	26/Nov/2020
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MTJ 6102-05	35418 & 3	30MHz~1GHz	30/Sep/2019	29/Sep/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	28/May/2020	27/May/2021
RF Cable-low	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	12/Feb/2020	11/Feb/2021
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX104	324530/4+17173/ 4	1GHz~40GHz	12/Feb/2020	11/Feb/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



Summary

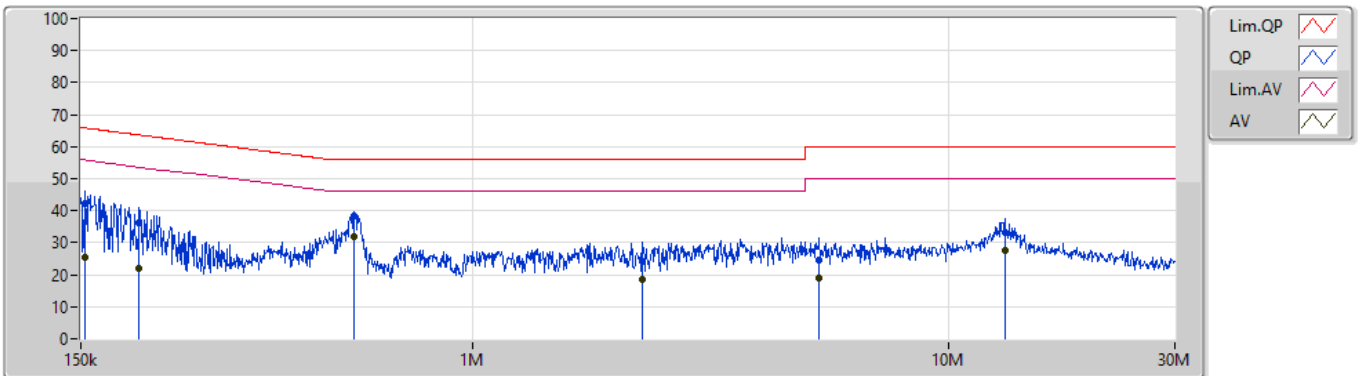
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	562.277k	31.74	46.00	-14.26	Line

**Mode Configure**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	153.024k	42.34	65.83	-23.49	Line	-
Mode 1	Pass	AV	153.024k	25.41	55.83	-30.42	Line	-
Mode 1	Pass	QP	199.152k	36.05	63.65	-27.60	Line	-
Mode 1	Pass	AV	199.152k	21.89	53.65	-31.76	Line	-
Mode 1	Pass	QP	562.277k	38.16	56.00	-17.84	Line	-
Mode 1	Pass	AV	562.277k	31.74	46.00	-14.26	Line	"Worst"
Mode 1	Pass	QP	2.283M	24.25	56.00	-31.75	Line	-
Mode 1	Pass	AV	2.283M	18.62	46.00	-27.38	Line	-
Mode 1	Pass	QP	5.364M	24.49	60.00	-35.51	Line	-
Mode 1	Pass	AV	5.364M	19.15	50.00	-30.85	Line	-
Mode 1	Pass	QP	13.17M	33.30	60.00	-26.70	Line	-
Mode 1	Pass	AV	13.17M	27.57	50.00	-22.43	Line	-
Mode 1	Pass	QP	153.024k	42.69	65.83	-23.14	Neutral	-
Mode 1	Pass	AV	153.024k	25.93	55.83	-29.90	Neutral	-
Mode 1	Pass	QP	195.997k	37.38	63.78	-26.40	Neutral	-
Mode 1	Pass	AV	195.997k	23.29	53.78	-30.49	Neutral	-
Mode 1	Pass	QP	569.051k	37.83	56.00	-18.17	Neutral	-
Mode 1	Pass	AV	569.051k	31.22	46.00	-14.78	Neutral	"Worst"
Mode 1	Pass	QP	2.732M	23.19	56.00	-32.81	Neutral	-
Mode 1	Pass	AV	2.732M	17.64	46.00	-28.36	Neutral	-
Mode 1	Pass	QP	6.898M	23.91	60.00	-36.09	Neutral	-
Mode 1	Pass	AV	6.898M	19.36	50.00	-30.64	Neutral	-
Mode 1	Pass	QP	13.223M	33.14	60.00	-26.86	Neutral	-
Mode 1	Pass	AV	13.223M	27.78	50.00	-22.22	Neutral	-

Conducted Emissions at Powerline_Mode 1

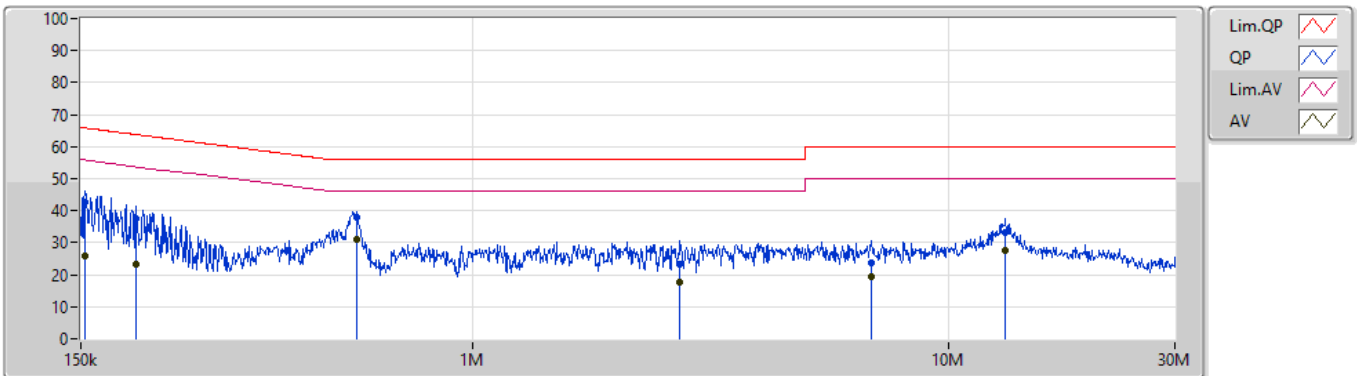
27/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.024k	42.34	65.83	-23.49	19.46	Line	-	22.88	9.68	0.02	9.76			
AV	153.024k	25.41	55.83	-30.42	19.46	Line	-	5.95	9.68	0.02	9.76			
QP	199.152k	36.05	63.65	-27.60	19.45	Line	-	16.60	9.67	0.02	9.76			
AV	199.152k	21.89	53.65	-31.76	19.45	Line	-	2.44	9.67	0.02	9.76			
QP	562.277k	38.16	56.00	-17.84	19.46	Line	-	18.70	9.67	0.03	9.76			
AV	562.277k	31.74	46.00	-14.26	19.46	Line	"Worst"	12.28	9.67	0.03	9.76			
QP	2.283M	24.25	56.00	-31.75	19.53	Line	-	4.72	9.68	0.09	9.76			
AV	2.283M	18.62	46.00	-27.38	19.53	Line	-	-0.91	9.68	0.09	9.76			
QP	5.364M	24.49	60.00	-35.51	19.60	Line	-	4.89	9.70	0.14	9.76			
AV	5.364M	19.15	50.00	-30.85	19.60	Line	-	-0.45	9.70	0.14	9.76			
QP	13.17M	33.30	60.00	-26.70	19.69	Line	-	13.61	9.70	0.22	9.77			
AV	13.17M	27.57	50.00	-22.43	19.69	Line	-	7.88	9.70	0.22	9.77			

Conducted Emissions at Powerline_Mode 1

27/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.024k	42.69	65.83	-23.14	19.45	Neutral	-	23.24	9.67	0.02	9.76			
AV	153.024k	25.93	55.83	-29.90	19.45	Neutral	-	6.48	9.67	0.02	9.76			
QP	195.997k	37.38	63.78	-26.40	19.44	Neutral	-	17.94	9.66	0.02	9.76			
AV	195.997k	23.29	53.78	-30.49	19.44	Neutral	-	3.85	9.66	0.02	9.76			
QP	569.051k	37.83	56.00	-18.17	19.44	Neutral	-	18.39	9.65	0.03	9.76			
AV	569.051k	31.22	46.00	-14.78	19.44	Neutral	"Worst"	11.78	9.65	0.03	9.76			
QP	2.732M	23.19	56.00	-32.81	19.51	Neutral	-	3.68	9.66	0.09	9.76			
AV	2.732M	17.64	46.00	-28.36	19.51	Neutral	-	-1.87	9.66	0.09	9.76			
QP	6.898M	23.91	60.00	-36.09	19.62	Neutral	-	4.29	9.70	0.16	9.76			
AV	6.898M	19.36	50.00	-30.64	19.62	Neutral	-	-0.26	9.70	0.16	9.76			
QP	13.223M	33.14	60.00	-26.86	19.71	Neutral	-	13.43	9.72	0.22	9.77			
AV	13.223M	27.78	50.00	-22.22	19.71	Neutral	-	8.07	9.72	0.22	9.77			

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)	8.525M	13.255M	13M3G1D	7.075M	11.793M
802.11g_Nss1,(6Mbps)_2TX	16.3M	17.03M	17M0D1D	16.025M	16.504M
802.11n HT20_Nss1,(MCS0)_2TX	17.575M	18.393M	18M4D1D	17.15M	17.642M

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

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

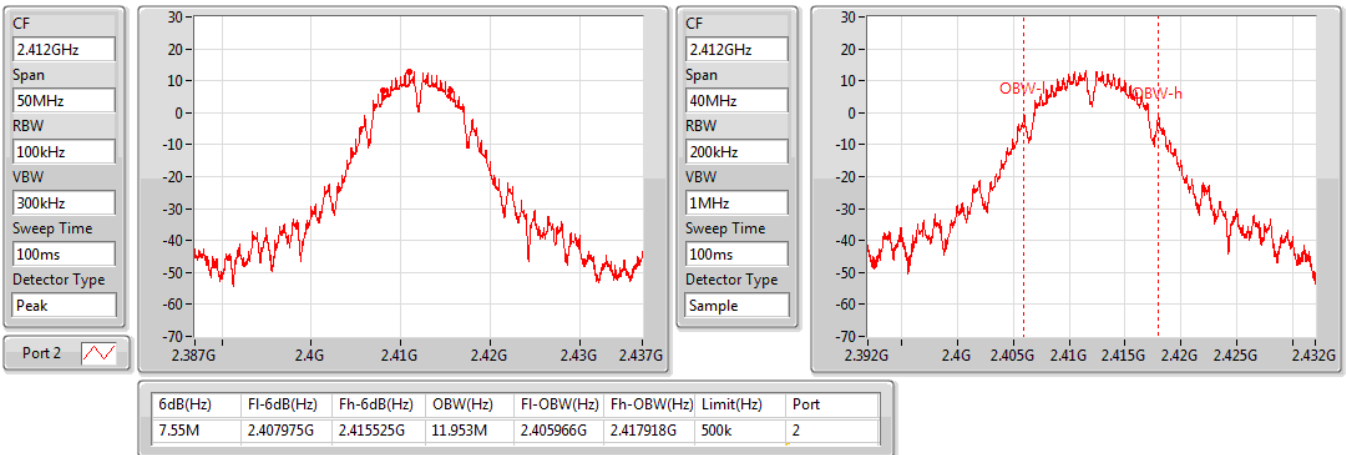
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			7.55M	11.953M
2437MHz	Pass	500k			8.525M	13.255M
2462MHz	Pass	500k			7.075M	11.793M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.521M	16.3M	16.504M
2437MHz	Pass	500k	16.25M	16.944M	16.3M	17.03M
2462MHz	Pass	500k	16.05M	16.513M	16.025M	16.513M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.15M	17.677M	17.55M	17.642M
2437MHz	Pass	500k	17.275M	17.984M	17.575M	18.393M
2462MHz	Pass	500k	17.525M	17.706M	17.55M	17.691M

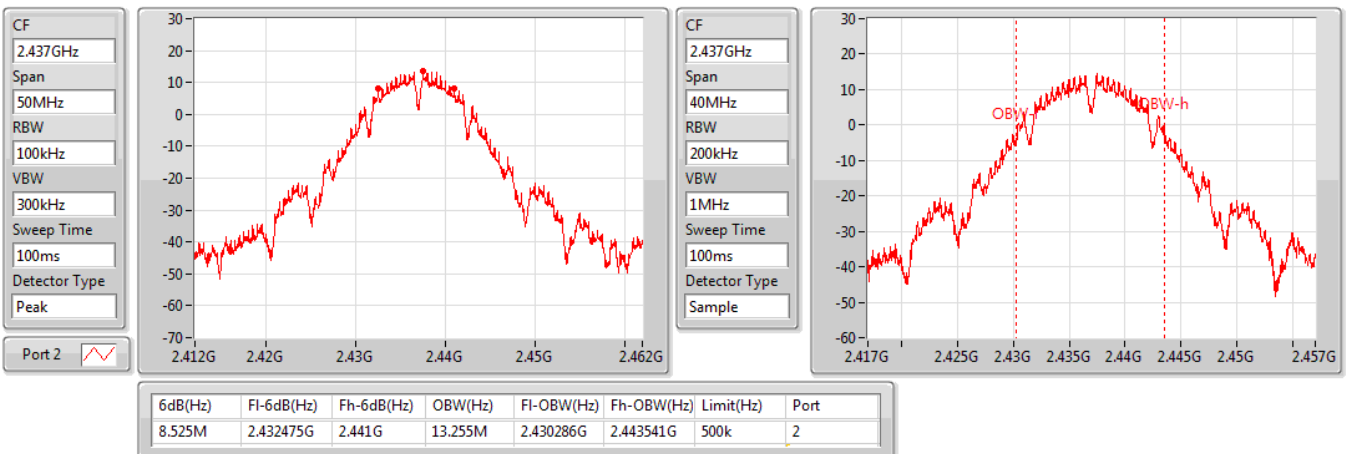
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

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

29/07/2020


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

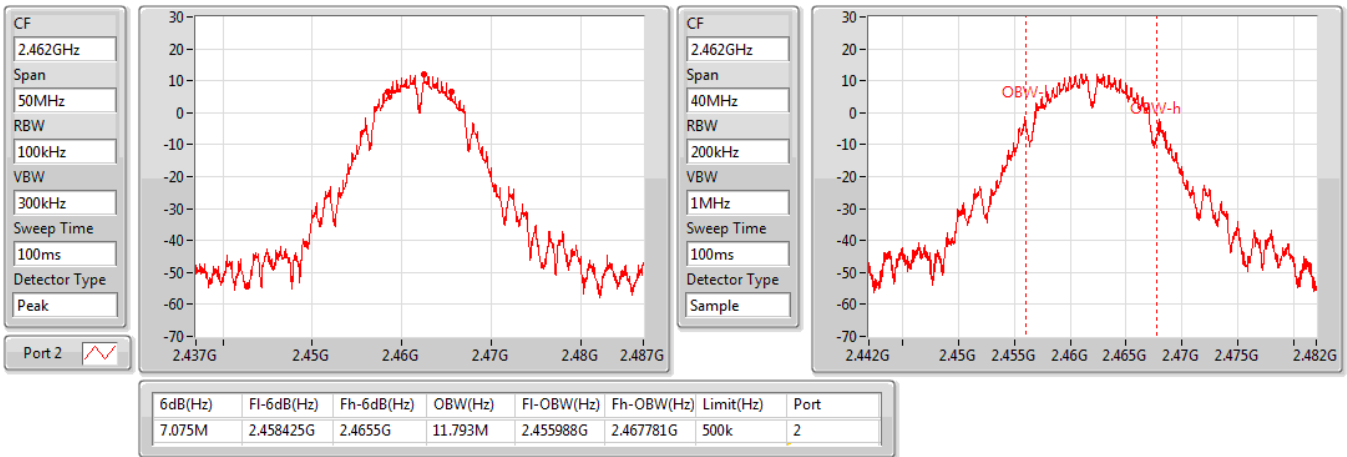
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802.11b_Nss1,(1Mbps)_1TX(Port2)

EBW
2462MHz

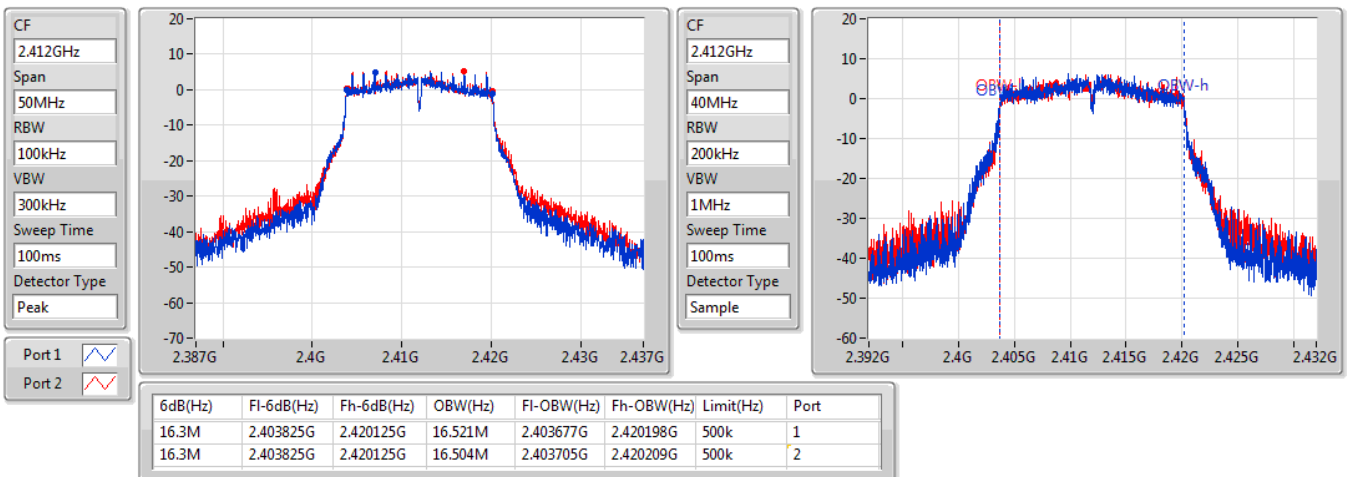
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802.11g_Nss1,(6Mbps)_2TX

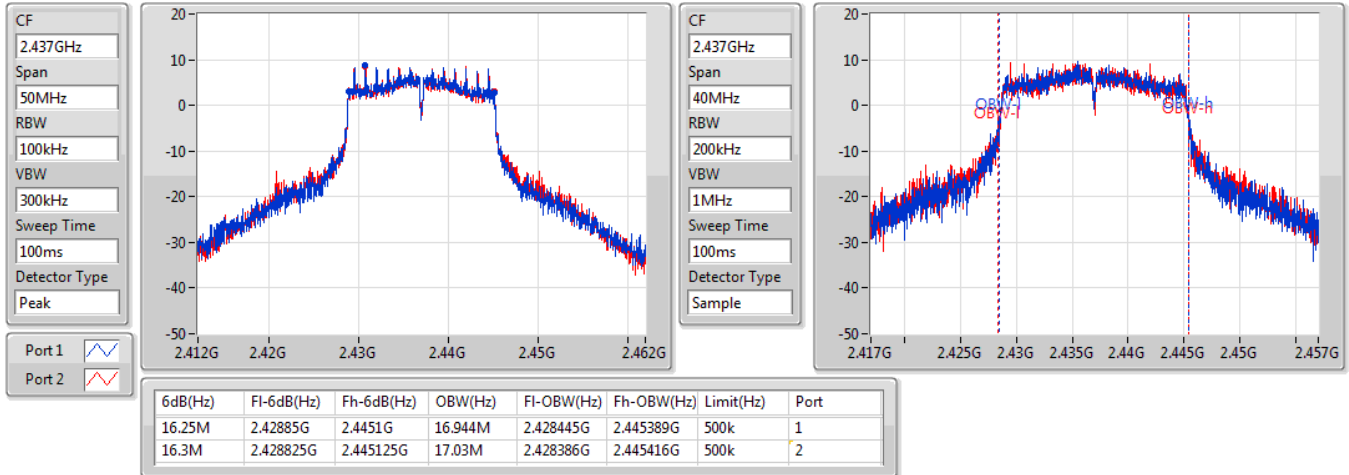
EBW
2412MHz

29/07/2020

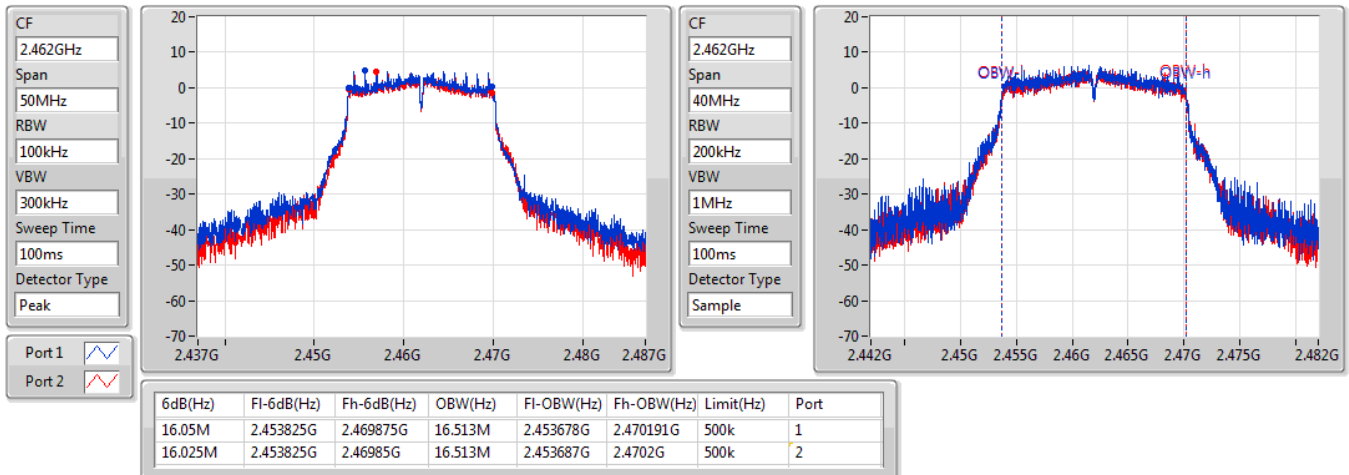


802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

29/07/2020

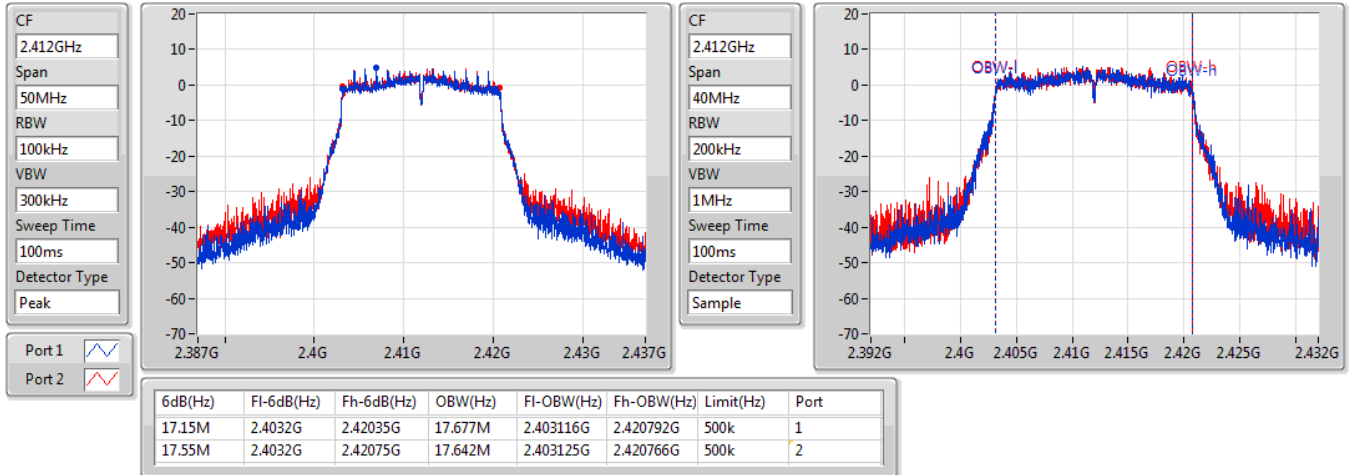

802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

29/07/2020

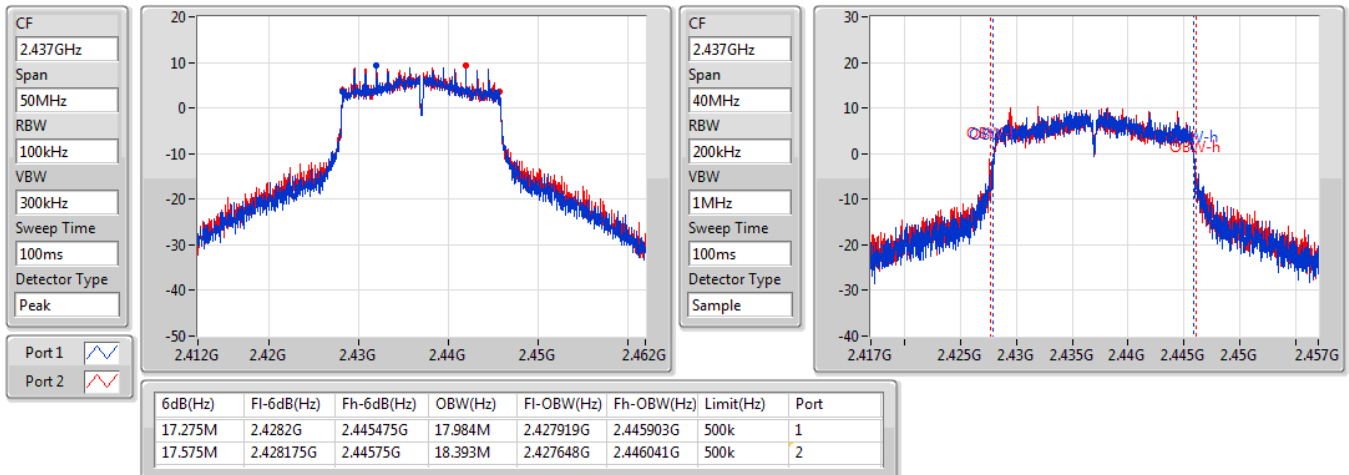


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

29/07/2020


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

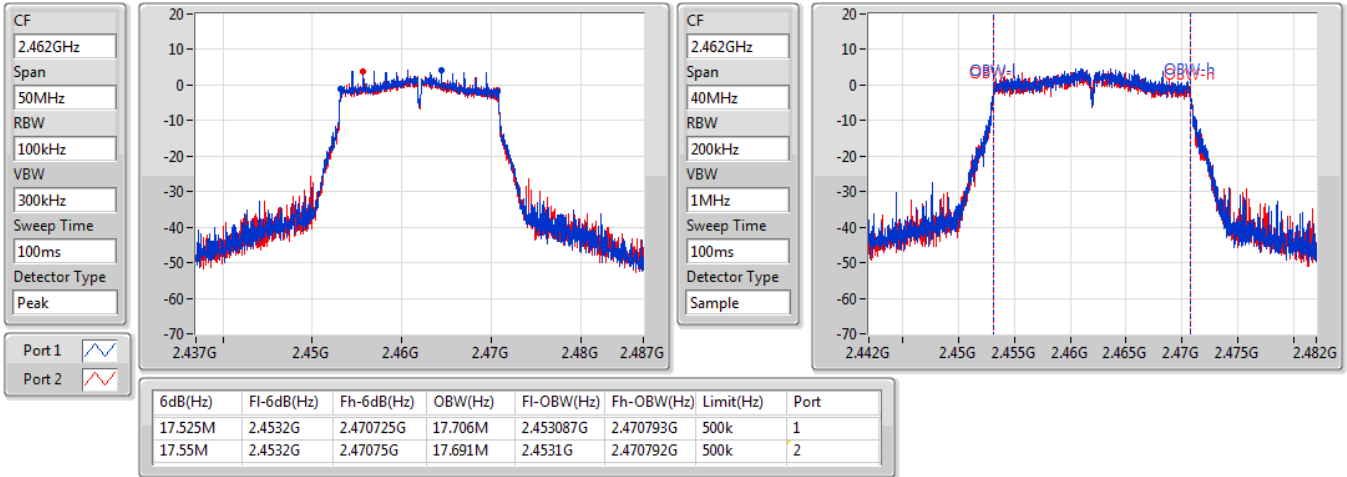
29/07/2020



802.11n HT20_Nss1,(MCS0)_2TX

2462MHz

29/07/2020





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	22.32	0.17061
802.11g_Nss1,(6Mbps)_2TX	23.26	0.21184
802.11n HT20_Nss1,(MCS0)_2TX	23.42	0.21979

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	2.00	-	20.91	20.91	Inf
2417MHz	Pass	2.00	-	21.75	21.75	Inf
2437MHz	Pass	2.00	-	22.32	22.32	Inf
2457MHz	Pass	2.00	-	21.79	21.79	Inf
2462MHz	Pass	2.00	-	20.24	20.24	Inf
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	17.07	17.16	20.13	Inf
2417MHz	Pass	2.00	18.12	18.55	21.35	Inf
2437MHz	Pass	2.00	20.35	20.15	23.26	Inf
2457MHz	Pass	2.00	18.53	18.28	21.42	Inf
2462MHz	Pass	2.00	16.94	16.47	19.72	Inf
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	16.19	16.53	19.37	Inf
2417MHz	Pass	2.00	18.02	18.28	21.16	Inf
2437MHz	Pass	2.00	20.44	20.38	23.42	Inf
2457MHz	Pass	2.00	19.05	18.71	21.89	Inf
2462MHz	Pass	2.00	15.79	15.34	18.58	Inf

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	-1.17
802.11g_Nss1,(6Mbps)_2TX	-1.66
802.11n HT20_Nss1,(MCS0)_2TX	-0.96

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	2.00	-	-1.28	-1.28	8.00
2437MHz	Pass	2.00	-	-1.17	-1.17	8.00
2462MHz	Pass	2.00	-	-2.49	-2.49	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.62	-7.06	-7.06	-4.05	8.00
2437MHz	Pass	4.62	-3.30	-4.66	-1.66	8.00
2462MHz	Pass	4.62	-7.37	-7.86	-4.91	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.62	-7.82	-8.03	-5.97	8.00
2437MHz	Pass	4.62	-3.74	-2.79	-0.96	8.00
2462MHz	Pass	4.62	-8.32	-8.28	-7.02	8.00

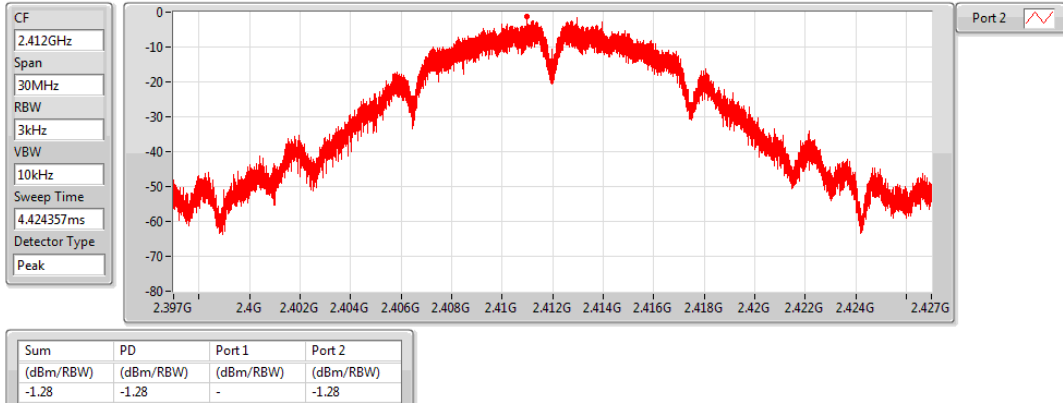
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX(Port2)

PSD

2412MHz

29/07/2020

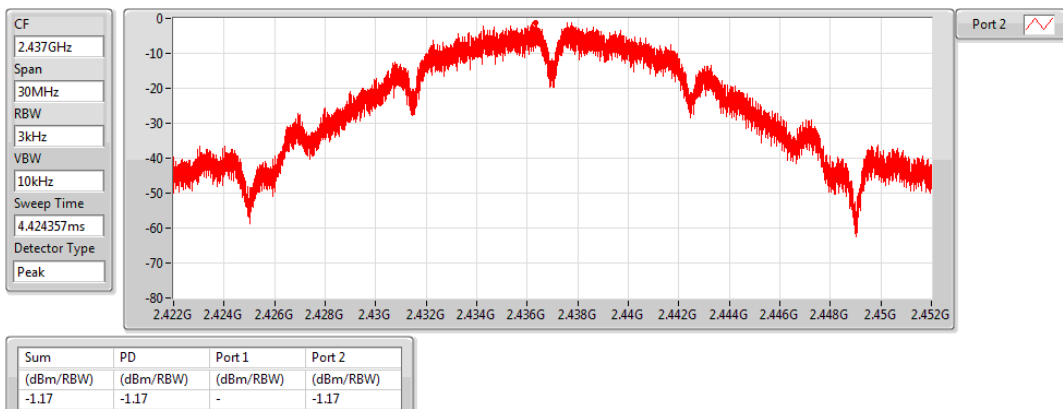


802.11b_Nss1,(1Mbps)_1TX(Port2)

PSD

2437MHz

29/07/2020

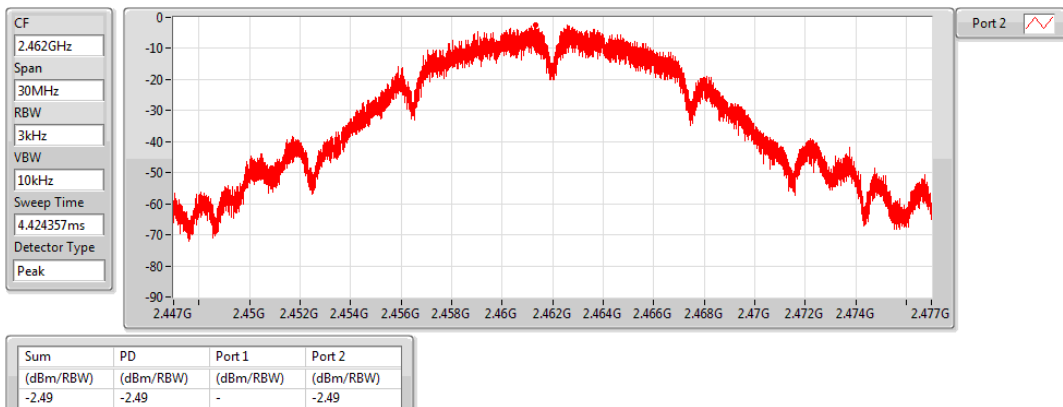


802.11b_Nss1,(1Mbps)_1TX(Port2)

PSD

2462MHz

29/07/2020

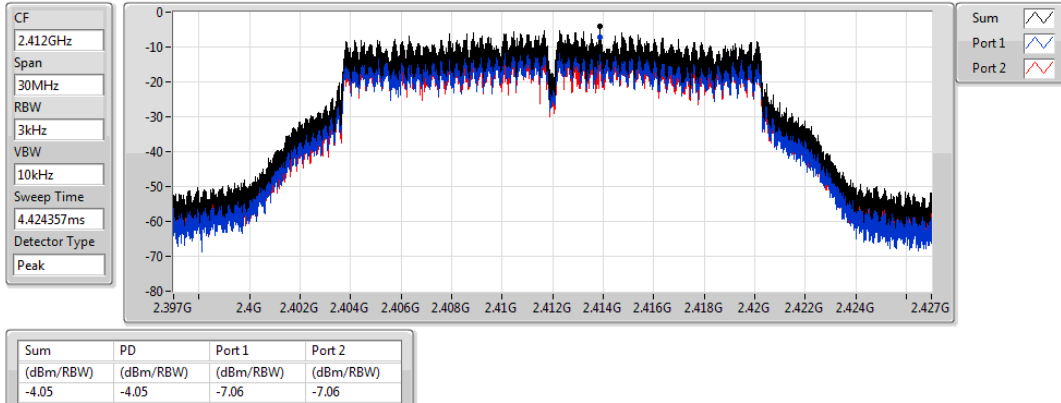


802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

29/07/2020

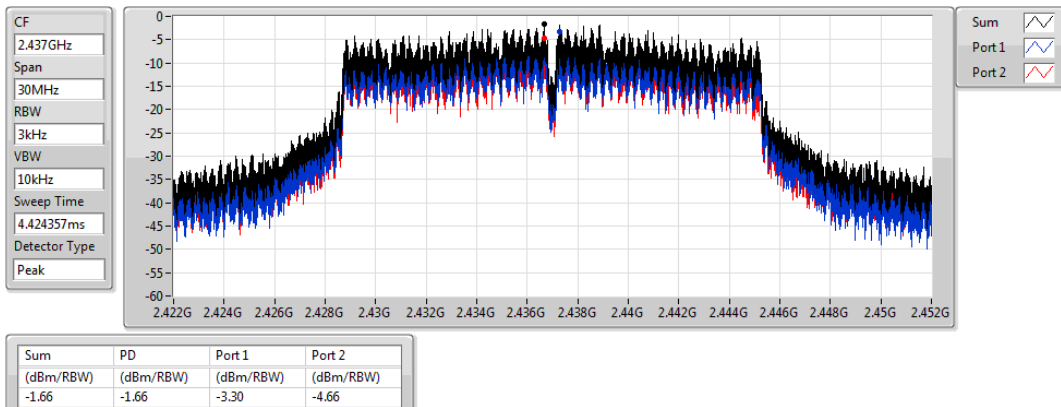


802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

29/07/2020

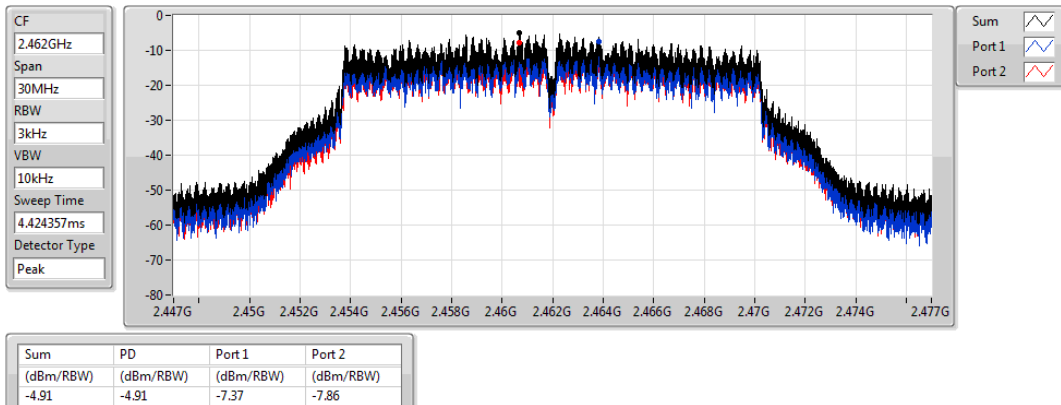


802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

29/07/2020

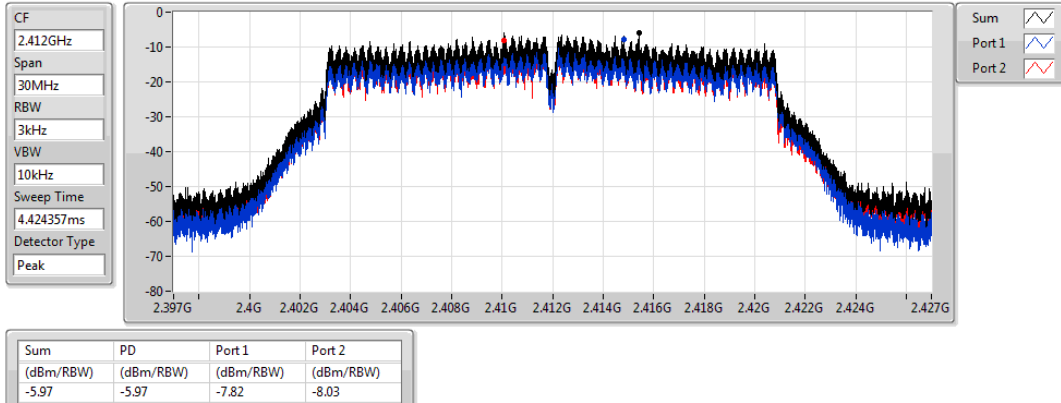


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

29/07/2020

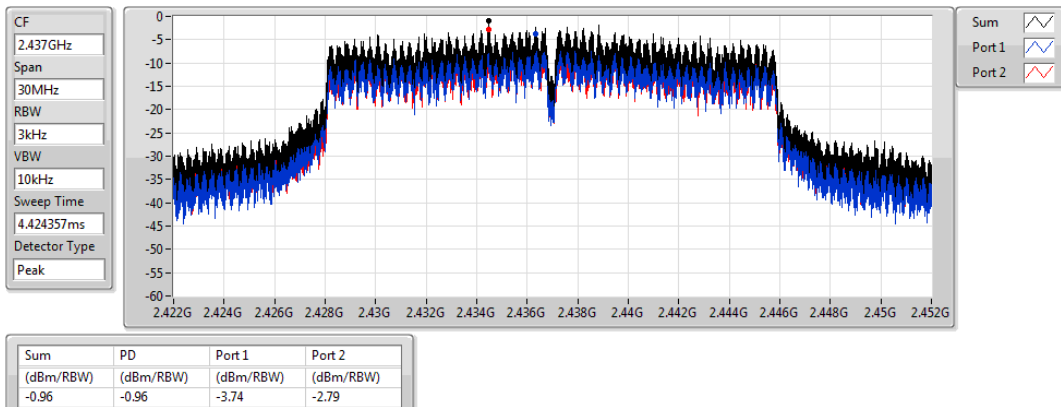


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

29/07/2020

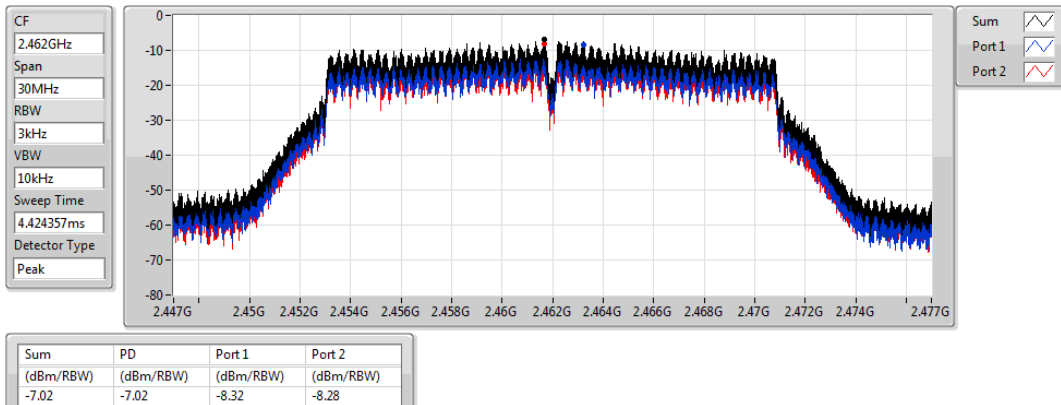


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2462MHz

29/07/2020



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)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	Pass	2.43649G	14.88	-15.12	1.90682G	-55.65	2.39998G	-28.85	2.4G	-31.10	2.48474G	-53.80	24.90728G	-47.93	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.42948G	8.94	-21.06	2.07953G	-55.29	2.39988G	-28.26	2.4G	-32.65	2.48704G	-53.30	21.828G	-48.38	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.44196G	9.82	-20.18	2.11389G	-53.88	2.39976G	-24.59	2.4G	-32.69	2.48634G	-53.84	24.31166G	-48.36	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)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	14.88	-15.12	1.90682G	-55.65	2.39998G	-28.85	2.4G	-31.10	2.48474G	-53.80	24.90728G	-47.93	2
2437MHz	Pass	2.43649G	14.88	-15.12	2.13894G	-55.86	2.39798G	-41.41	2.4G	-45.28	2.48548G	-47.57	21.53581G	-47.88	2
2462MHz	Pass	2.43649G	14.88	-15.12	2.30991G	-54.91	2.39962G	-53.67	2.4835G	-48.05	2.48994G	-42.90	23.17097G	-47.87	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.42948G	8.94	-21.06	2.07341G	-54.97	2.39864G	-31.63	2.4G	-33.11	2.48394G	-53.85	23.2075G	-47.46	1
2412MHz	Pass	2.42948G	8.94	-21.06	2.07953G	-55.29	2.39988G	-28.26	2.4G	-32.65	2.48704G	-53.30	21.828G	-48.38	2
2437MHz	Pass	2.42948G	8.94	-21.06	2.157G	-54.40	2.39664G	-34.44	2.4G	-37.35	2.4836G	-43.51	17.25685G	-48.76	1
2437MHz	Pass	2.42948G	8.94	-21.06	1.84944G	-55.34	2.3995G	-36.48	2.4G	-39.18	2.48382G	-43.48	23.42665G	-48.44	2
2462MHz	Pass	2.42948G	8.94	-21.06	1.95749G	-55.11	2.39914G	-50.87	2.4835G	-42.82	2.48416G	-37.17	21.81677G	-48.18	1
2462MHz	Pass	2.42948G	8.94	-21.06	2.30961G	-54.99	2.39826G	-52.47	2.4835G	-41.06	2.48382G	-38.34	17.26246G	-48.35	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	9.82	-20.18	2.10836G	-55.36	2.39906G	-31.86	2.4G	-37.89	2.48798G	-53.82	24.77243G	-48.62	1
2412MHz	Pass	2.44196G	9.82	-20.18	2.11389G	-53.88	2.39976G	-24.59	2.4G	-32.69	2.48634G	-53.84	24.31166G	-48.36	2
2437MHz	Pass	2.44196G	9.82	-20.18	2.30437G	-54.89	2.39952G	-33.67	2.4G	-36.53	2.48418G	-42.08	23.37045G	-48.30	1
2437MHz	Pass	2.44196G	9.82	-20.18	2.14681G	-54.95	2.39974G	-32.82	2.4G	-36.13	2.48764G	-41.00	21.54424G	-48.40	2
2462MHz	Pass	2.44196G	9.82	-20.18	1.75333G	-54.83	2.39988G	-52.21	2.4835G	-45.49	2.48442G	-40.07	24.08127G	-48.39	1
2462MHz	Pass	2.44196G	9.82	-20.18	2.3035G	-55.04	2.3966G	-50.95	2.4835G	-41.26	2.48378G	-41.65	23.32269G	-47.79	2

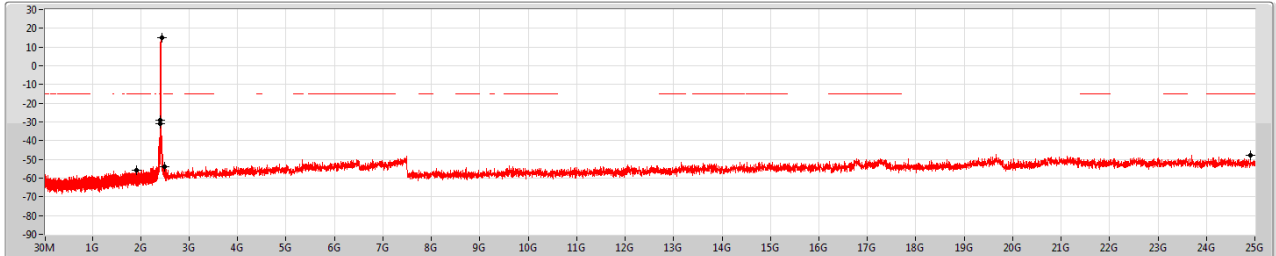
802.11b_Nss1,(1Mbps)_1TX(Port2)

2412MHz

CSEndB

29/07/2020

Port 2



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)	Freq(Hz)	Level(dBm)	Port
2.43649G	14.88	-15.12	1.90682G	-55.65	2.39998G	-28.85	2.4G	-31.10	2.48474G	-53.80	24.90728G	-47.93	2

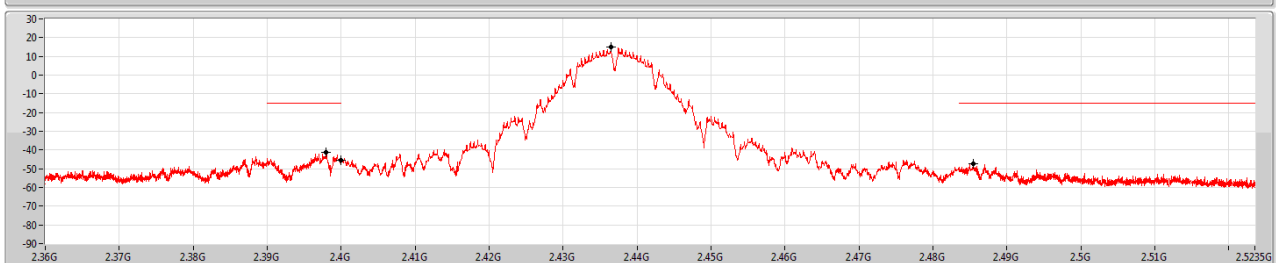
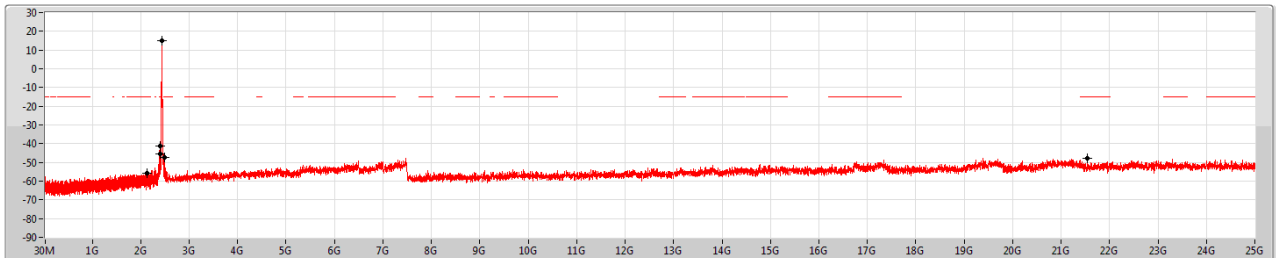
802.11b_Nss1,(1Mbps)_1TX(Port2)

2437MHz

CSEndB

29/07/2020

Port 2



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

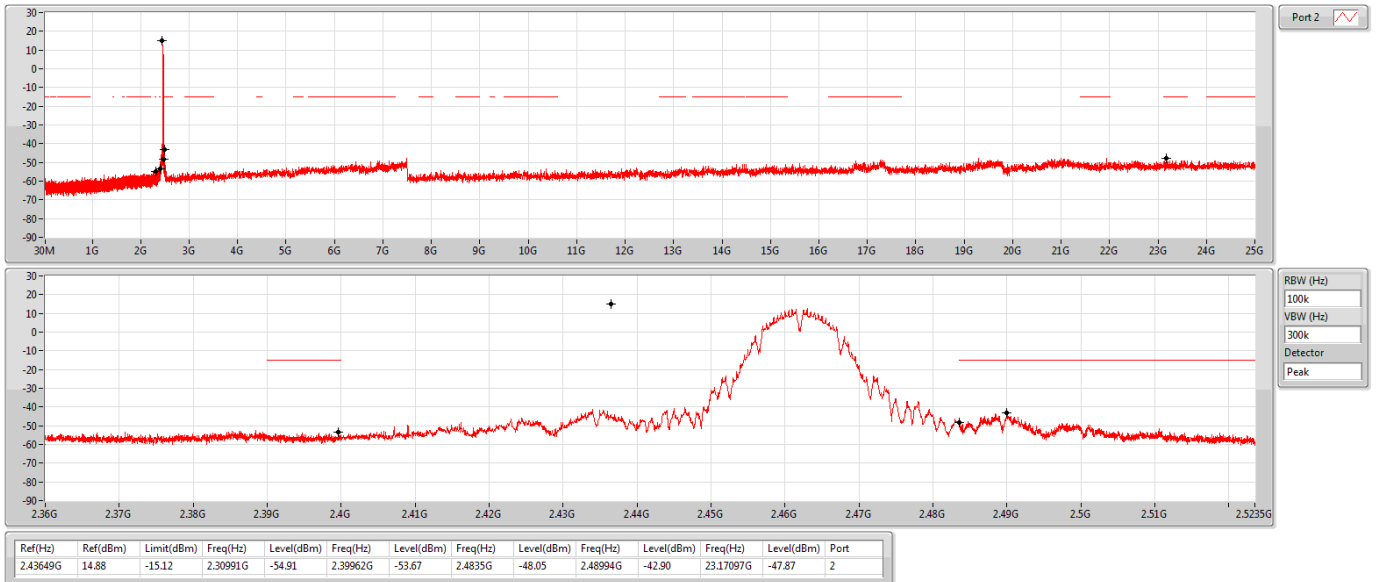
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	14.88	-15.12	2.13894G	-55.86	2.39798G	-41.41	2.4G	-45.28	2.48548G	-47.57	21.53581G	-47.88	2

802.11b_Nss1,(1Mbps)_1TX(Port2)

2462MHz

CSENdB

29/07/2020

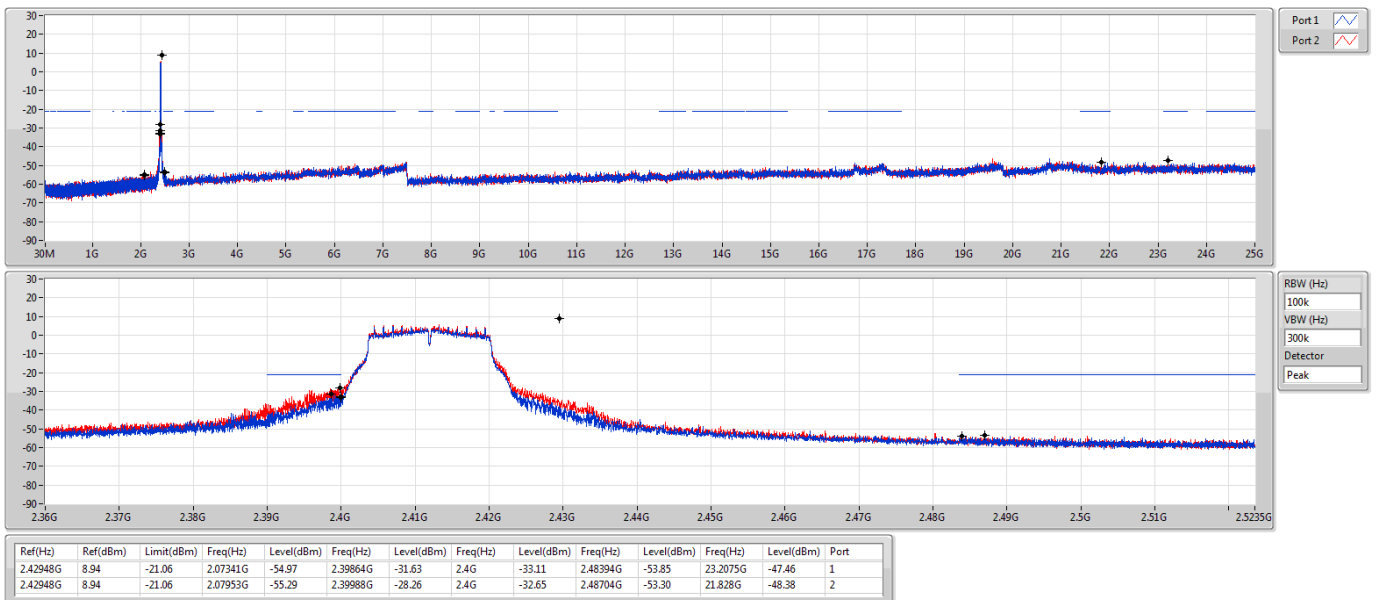


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSENdB

29/07/2020

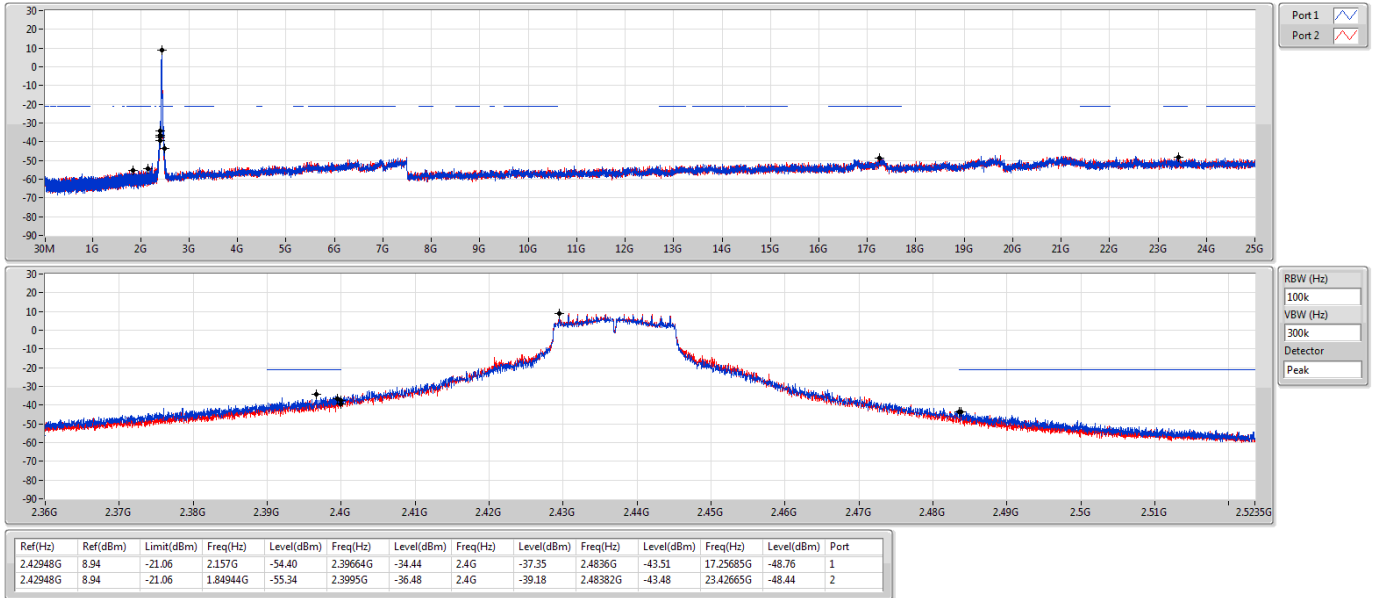


802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSENdB

29/07/2020

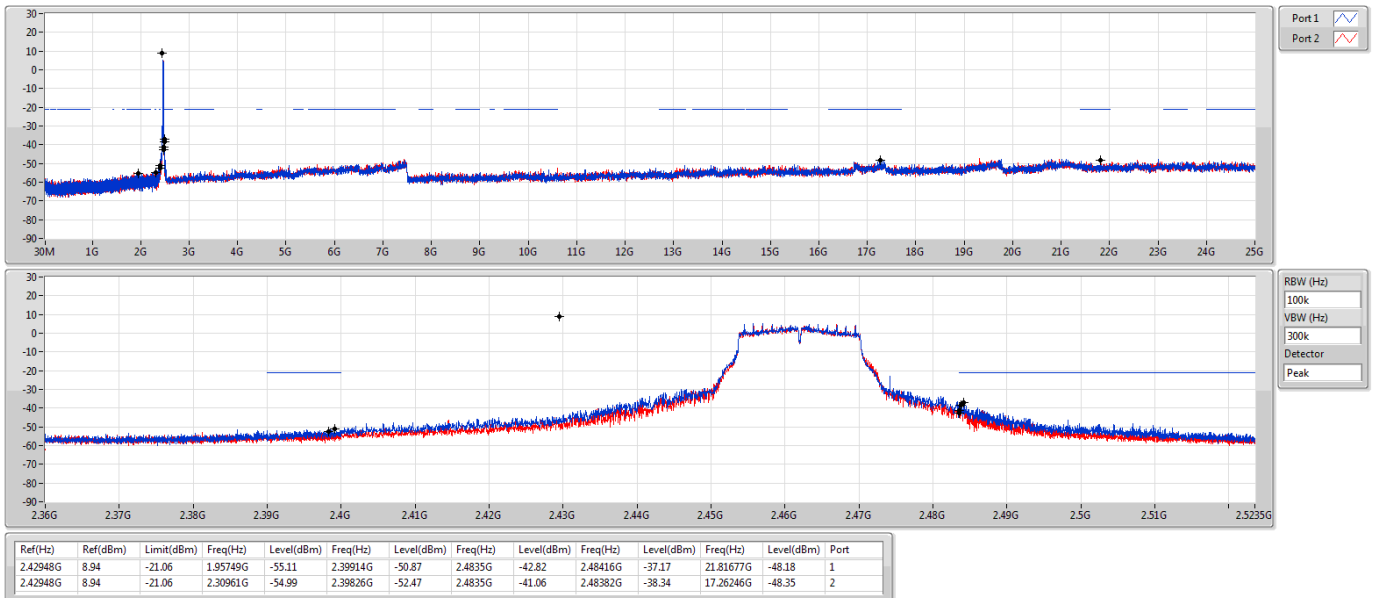


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSENdB

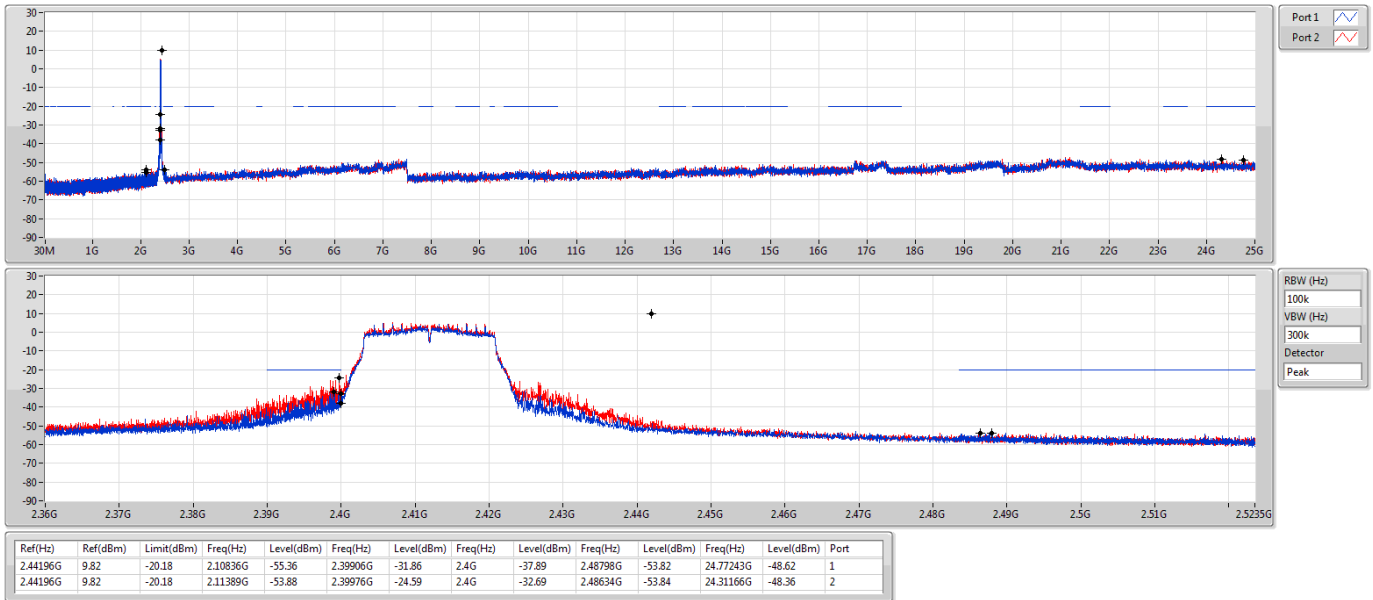
29/07/2020



802.11n HT20_Nss1,(MCS0)_2TX

2412MHz

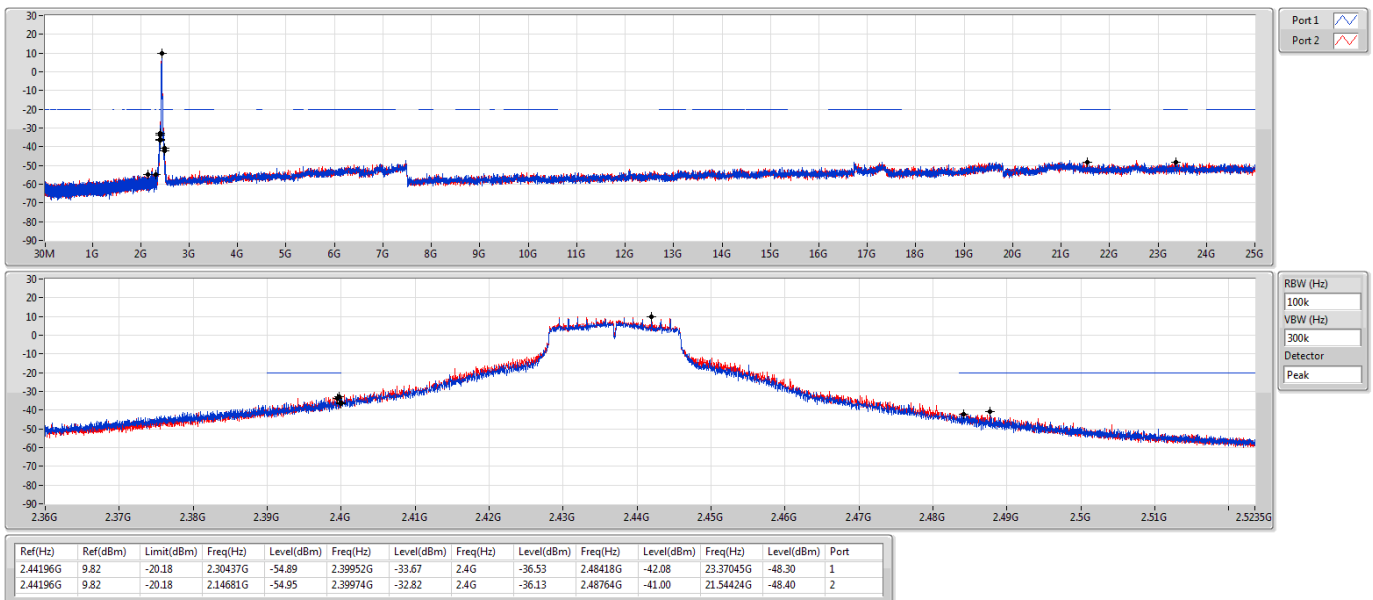
CSENdB



802.11n HT20_Nss1,(MCS0)_2TX

2437MHz

CSENdB

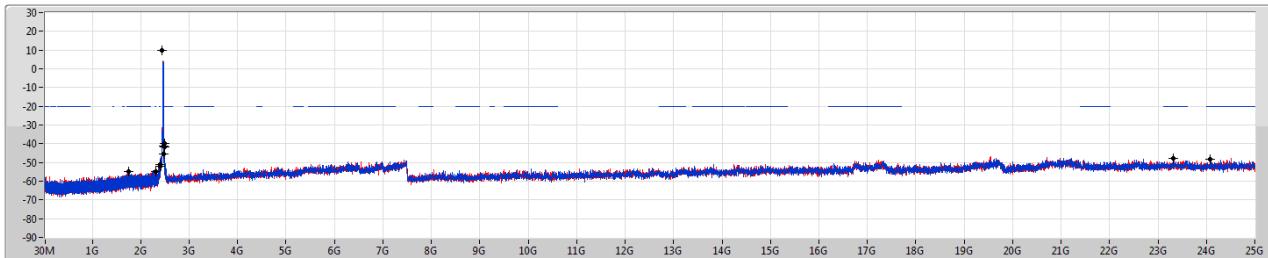
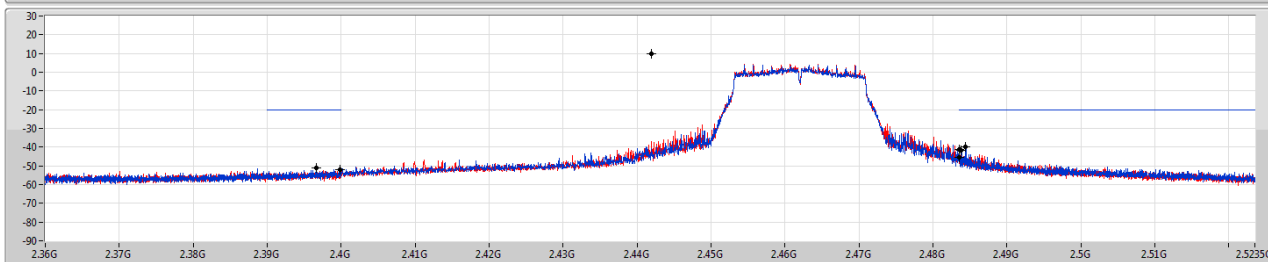


802.11n HT20_Nss1,(MCS0)_2TX

CSENdB

2462MHz

29/07/2020

Port 1
Port 2RBW (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)	Freq(Hz)	Level(dBm)	Port
2.44196G	9.82	-20.18	1.75333G	-54.83	2.39988G	-52.21	2.4835G	-45.49	2.48442G	-40.07	24.08127G	-48.39	1
2.44196G	9.82	-20.18	2.3035G	-55.04	2.3966G	-50.95	2.4835G	-41.26	2.48378G	-41.65	23.32269G	-47.79	2



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	72.68M	36.09	40.00	-3.91	3	Vertical	0	1.00	-



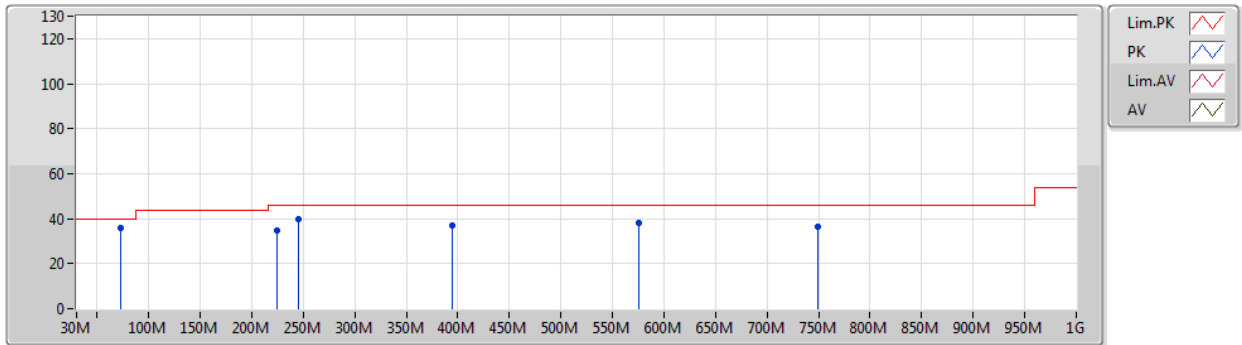
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz_Adapter	Pass	PK	72.68M	36.09	40.00	-3.91	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	224M	34.51	46.00	-11.49	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	245.34M	40.02	46.00	-5.98	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	394.72M	37.16	46.00	-8.84	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	575.14M	38.01	46.00	-7.99	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	749.74M	36.16	46.00	-9.84	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	64.92M	31.70	40.00	-8.30	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	150.28M	31.36	43.50	-12.14	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	249.22M	37.67	46.00	-8.33	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	303.54M	38.48	46.00	-7.52	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	557.68M	38.01	46.00	-7.99	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	720.64M	38.88	46.00	-7.12	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

26/08/2020

2437MHz_Adapter

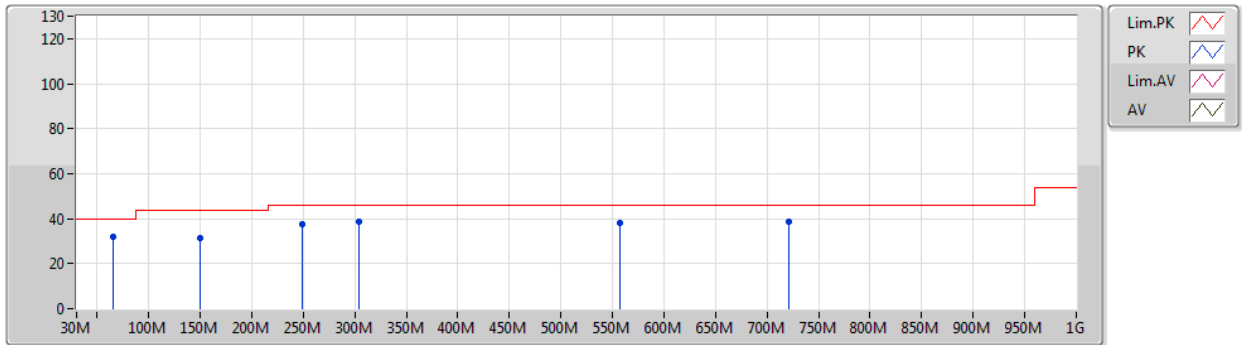


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	72.68M	36.09	40.00	-3.91	-24.76	3	Vertical	0	1.00	-	60.85	11.42	0.65	36.83
PK	224M	34.51	46.00	-11.49	-20.51	3	Vertical	0	1.00	-	55.02	14.59	1.20	36.30
PK	245.34M	40.02	46.00	-5.98	-18.14	3	Vertical	0	1.00	-	58.16	16.99	1.28	36.41
PK	394.72M	37.16	46.00	-8.84	-14.04	3	Vertical	0	1.00	-	51.20	20.71	1.68	36.43
PK	575.14M	38.01	46.00	-7.99	-10.03	3	Vertical	0	1.00	-	48.04	25.00	2.10	37.13
PK	749.74M	36.16	46.00	-9.84	-7.64	3	Vertical	0	1.00	-	43.80	27.06	2.50	37.20

802.11n HT20_Nss1,(MCS0)_2TX

26/08/2020

2437MHz_Adapter



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	64.92M	31.70	40.00	-8.30	-25.41	3	Horizontal	360	1.00	-	57.11	10.92	0.60	36.93
PK	150.28M	31.36	43.50	-12.14	-19.12	3	Horizontal	360	1.00	-	50.48	16.26	0.95	36.33
PK	249.22M	37.67	46.00	-8.33	-17.62	3	Horizontal	360	1.00	-	55.29	17.51	1.30	36.43
PK	303.54M	38.48	46.00	-7.52	-16.68	3	Horizontal	360	1.00	-	55.16	18.27	1.41	36.36
PK	557.68M	38.01	46.00	-7.99	-10.04	3	Horizontal	360	1.00	-	48.05	25.03	2.03	37.10
PK	720.64M	38.88	46.00	-7.12	-8.76	3	Horizontal	360	1.00	-	47.64	26.04	2.44	37.24

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	Pass	AV	2.4835G	53.80	54.00	-0.20	3	Vertical	166	2.05	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4835G	53.62	54.00	-0.38	3	Vertical	176	1.50	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	53.45	54.00	-0.55	3	Vertical	184	1.77	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	2.4848G	73.77	74.00	-0.23	3	Vertical	174	2.03	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3852G	53.31	54.00	-0.69	3	Vertical	197	1.15	-
2412MHz	Pass	AV	2.4112G	110.00	Inf	-Inf	3	Vertical	197	1.15	-
2412MHz	Pass	PK	2.3854G	62.15	74.00	-11.85	3	Vertical	197	1.15	-
2412MHz	Pass	PK	2.411G	112.30	Inf	-Inf	3	Vertical	197	1.15	-
2412MHz	Pass	AV	2.3854G	45.74	54.00	-8.26	3	Horizontal	161	1.22	-
2412MHz	Pass	AV	2.4112G	98.16	Inf	-Inf	3	Horizontal	161	1.22	-
2412MHz	Pass	PK	2.3856G	58.65	74.00	-15.35	3	Horizontal	161	1.22	-
2412MHz	Pass	PK	2.4128G	100.41	Inf	-Inf	3	Horizontal	161	1.22	-
2412MHz	Pass	AV	4.82394G	41.47	54.00	-12.53	3	Vertical	110	2.18	-
2412MHz	Pass	PK	4.82394G	49.82	74.00	-24.18	3	Vertical	110	2.18	-
2412MHz	Pass	AV	4.82394G	35.39	54.00	-18.61	3	Horizontal	159	1.13	-
2412MHz	Pass	PK	4.8312G	47.96	74.00	-26.04	3	Horizontal	159	1.13	-
2417MHz	Pass	AV	2.3878G	53.07	54.00	-0.93	3	Vertical	211	1.17	-
2417MHz	Pass	AV	2.4162G	111.14	Inf	-Inf	3	Vertical	211	1.17	-
2417MHz	Pass	PK	2.388G	61.97	74.00	-12.03	3	Vertical	211	1.17	-
2417MHz	Pass	PK	2.4178G	113.36	Inf	-Inf	3	Vertical	211	1.17	-
2417MHz	Pass	AV	2.3876G	46.33	54.00	-7.67	3	Horizontal	164	1.63	-
2417MHz	Pass	AV	2.4162G	98.95	Inf	-Inf	3	Horizontal	164	1.63	-
2417MHz	Pass	PK	2.3776G	58.67	74.00	-15.33	3	Horizontal	164	1.63	-
2417MHz	Pass	PK	2.4162G	101.25	Inf	-Inf	3	Horizontal	164	1.63	-
2437MHz	Pass	AV	2.3886G	48.00	54.00	-6.00	3	Vertical	166	1.64	-
2437MHz	Pass	AV	2.4362G	111.40	Inf	-Inf	3	Vertical	166	1.64	-
2437MHz	Pass	AV	2.4838G	46.45	54.00	-7.55	3	Vertical	166	1.64	-
2437MHz	Pass	PK	2.3882G	59.68	74.00	-14.32	3	Vertical	166	1.64	-
2437MHz	Pass	PK	2.4378G	113.75	Inf	-Inf	3	Vertical	166	1.64	-
2437MHz	Pass	PK	2.4866G	60.04	74.00	-13.96	3	Vertical	166	1.64	-
2437MHz	Pass	AV	2.343G	44.78	54.00	-9.22	3	Horizontal	39	1.39	-
2437MHz	Pass	AV	2.4362G	97.73	Inf	-Inf	3	Horizontal	39	1.39	-
2437MHz	Pass	AV	2.4862G	45.22	54.00	-8.78	3	Horizontal	39	1.39	-
2437MHz	Pass	PK	2.3422G	58.14	74.00	-15.86	3	Horizontal	39	1.39	-
2437MHz	Pass	PK	2.4362G	99.98	Inf	-Inf	3	Horizontal	39	1.39	-
2437MHz	Pass	PK	2.4878G	58.56	74.00	-15.44	3	Horizontal	39	1.39	-
2437MHz	Pass	AV	4.87394G	39.69	54.00	-14.31	3	Vertical	359	2.50	-
2437MHz	Pass	AV	7.30998G	38.71	54.00	-15.29	3	Vertical	248	2.21	-
2437MHz	Pass	PK	4.87394G	46.06	74.00	-27.94	3	Vertical	359	2.50	-
2437MHz	Pass	PK	7.31058G	49.79	74.00	-24.21	3	Vertical	248	2.21	-
2437MHz	Pass	AV	4.87388G	34.18	54.00	-19.82	3	Horizontal	24	2.62	-
2437MHz	Pass	AV	7.30998G	40.71	54.00	-13.29	3	Horizontal	308	2.35	-
2437MHz	Pass	PK	4.87154G	47.17	74.00	-26.83	3	Horizontal	24	2.62	-
2437MHz	Pass	PK	7.31022G	52.91	74.00	-21.09	3	Horizontal	308	2.35	-
2457MHz	Pass	AV	2.4562G	110.98	Inf	-Inf	3	Vertical	163	1.57	-
2457MHz	Pass	AV	2.4862G	49.87	54.00	-4.13	3	Vertical	163	1.57	-
2457MHz	Pass	PK	2.456G	113.15	Inf	-Inf	3	Vertical	163	1.57	-
2457MHz	Pass	PK	2.4864G	60.89	74.00	-13.11	3	Vertical	163	1.57	-
2457MHz	Pass	AV	2.4562G	96.92	Inf	-Inf	3	Horizontal	20	1.00	-
2457MHz	Pass	AV	2.486G	45.54	54.00	-8.46	3	Horizontal	20	1.00	-
2457MHz	Pass	PK	2.456G	99.19	Inf	-Inf	3	Horizontal	20	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4934G	58.78	74.00	-15.22	3	Horizontal	20	1.00	-
2462MHz	Pass	AV	2.4612G	110.55	Inf	-Inf	3	Vertical	166	2.05	-
2462MHz	Pass	AV	2.4835G	53.80	54.00	-0.20	3	Vertical	166	2.05	-
2462MHz	Pass	PK	2.461G	112.87	Inf	-Inf	3	Vertical	166	2.05	-
2462MHz	Pass	PK	2.4835G	61.86	74.00	-12.14	3	Vertical	166	2.05	-
2462MHz	Pass	AV	2.4628G	98.38	Inf	-Inf	3	Horizontal	38	1.36	-
2462MHz	Pass	AV	2.4835G	46.41	54.00	-7.59	3	Horizontal	38	1.36	-
2462MHz	Pass	PK	2.4628G	100.74	Inf	-Inf	3	Horizontal	38	1.36	-
2462MHz	Pass	PK	2.486G	59.10	74.00	-14.90	3	Horizontal	38	1.36	-
2462MHz	Pass	AV	4.92394G	40.64	54.00	-13.36	3	Vertical	32	2.38	-
2462MHz	Pass	AV	7.38498G	38.45	54.00	-15.55	3	Vertical	122	2.28	-
2462MHz	Pass	PK	4.92394G	46.86	74.00	-27.14	3	Vertical	32	2.38	-
2462MHz	Pass	PK	7.38642G	49.88	74.00	-24.12	3	Vertical	122	2.28	-
2462MHz	Pass	AV	4.92388G	31.36	54.00	-22.64	3	Horizontal	165	1.49	-
2462MHz	Pass	AV	7.38522G	35.91	54.00	-18.09	3	Horizontal	229	1.48	-
2462MHz	Pass	PK	4.92406G	43.17	74.00	-30.83	3	Horizontal	165	1.49	-
2462MHz	Pass	PK	7.38714G	48.95	74.00	-25.05	3	Horizontal	229	1.48	-
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3836G	53.53	54.00	-0.47	3	Vertical	61	1.00	-
2412MHz	Pass	AV	2.4112G	107.10	Inf	-Inf	3	Vertical	61	1.00	-
2412MHz	Pass	PK	2.3836G	61.47	74.00	-12.53	3	Vertical	61	1.00	-
2412MHz	Pass	PK	2.4128G	109.92	Inf	-Inf	3	Vertical	61	1.00	-
2412MHz	Pass	AV	2.3852G	47.11	54.00	-6.89	3	Horizontal	345	2.01	-
2412MHz	Pass	AV	2.4112G	101.22	Inf	-Inf	3	Horizontal	345	2.01	-
2412MHz	Pass	PK	2.3892G	58.91	74.00	-15.09	3	Horizontal	345	2.01	-
2412MHz	Pass	PK	2.4112G	103.88	Inf	-Inf	3	Horizontal	345	2.01	-
2412MHz	Pass	AV	4.82397G	45.32	54.00	-8.68	3	Vertical	251	2.28	-
2412MHz	Pass	PK	4.82396G	50.90	74.00	-23.10	3	Vertical	251	2.28	-
2412MHz	Pass	AV	4.82397G	43.87	54.00	-10.13	3	Horizontal	336	2.38	-
2412MHz	Pass	PK	4.82382G	49.96	74.00	-24.04	3	Horizontal	336	2.38	-
2417MHz	Pass	AV	2.3878G	52.80	54.00	-1.20	3	Vertical	215	1.50	-
2417MHz	Pass	AV	2.4162G	109.82	Inf	-Inf	3	Vertical	215	1.50	-
2417MHz	Pass	PK	2.3776G	61.37	74.00	-12.63	3	Vertical	215	1.50	-
2417MHz	Pass	PK	2.4178G	112.70	Inf	-Inf	3	Vertical	215	1.50	-
2417MHz	Pass	AV	2.3878G	48.36	54.00	-5.64	3	Horizontal	323	2.49	-
2417MHz	Pass	AV	2.4162G	105.46	Inf	-Inf	3	Horizontal	323	2.49	-
2417MHz	Pass	PK	2.3878G	59.65	74.00	-14.35	3	Horizontal	323	2.49	-
2417MHz	Pass	PK	2.4178G	108.27	Inf	-Inf	3	Horizontal	323	2.49	-
2437MHz	Pass	AV	2.3886G	48.83	54.00	-5.17	3	Vertical	185	1.50	-
2437MHz	Pass	AV	2.4362G	110.42	Inf	-Inf	3	Vertical	185	1.50	-
2437MHz	Pass	AV	2.4854G	47.02	54.00	-6.98	3	Vertical	185	1.50	-
2437MHz	Pass	PK	2.361G	59.09	74.00	-14.91	3	Vertical	185	1.50	-
2437MHz	Pass	PK	2.4362G	112.62	Inf	-Inf	3	Vertical	185	1.50	-
2437MHz	Pass	PK	2.4835G	58.82	74.00	-15.18	3	Vertical	185	1.50	-
2437MHz	Pass	AV	2.3882G	44.77	54.00	-9.23	3	Horizontal	241	1.50	-
2437MHz	Pass	AV	2.4362G	100.50	Inf	-Inf	3	Horizontal	241	1.50	-
2437MHz	Pass	AV	2.4846G	44.96	54.00	-9.04	3	Horizontal	241	1.50	-
2437MHz	Pass	PK	2.377G	57.63	74.00	-16.37	3	Horizontal	241	1.50	-
2437MHz	Pass	PK	2.4362G	102.89	Inf	-Inf	3	Horizontal	241	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4978G	58.19	74.00	-15.81	3	Horizontal	241	1.50	-
2437MHz	Pass	AV	4.87397G	44.67	54.00	-9.33	3	Vertical	283	2.27	-
2437MHz	Pass	AV	7.3101G	41.96	54.00	-12.04	3	Vertical	119	2.16	-
2437MHz	Pass	PK	4.87388G	50.75	74.00	-23.25	3	Vertical	283	2.27	-
2437MHz	Pass	PK	7.3093G	53.11	74.00	-20.89	3	Vertical	119	2.16	-
2437MHz	Pass	AV	4.87397G	44.30	54.00	-9.70	3	Horizontal	336	2.32	-
2437MHz	Pass	AV	7.3101G	41.97	54.00	-12.03	3	Horizontal	317	2.21	-
2437MHz	Pass	PK	4.87409G	50.57	74.00	-23.43	3	Horizontal	336	2.32	-
2437MHz	Pass	PK	7.31198G	53.39	74.00	-20.61	3	Horizontal	317	2.21	-
2457MHz	Pass	AV	2.4578G	108.65	Inf	-Inf	3	Vertical	169	1.50	-
2457MHz	Pass	AV	2.486G	50.27	54.00	-3.73	3	Vertical	169	1.50	-
2457MHz	Pass	PK	2.4578G	111.58	Inf	-Inf	3	Vertical	169	1.50	-
2457MHz	Pass	PK	2.4956G	60.33	74.00	-13.67	3	Vertical	169	1.50	-
2457MHz	Pass	AV	2.4562G	104.48	Inf	-Inf	3	Horizontal	327	2.72	-
2457MHz	Pass	AV	2.486G	47.36	54.00	-6.64	3	Horizontal	327	2.72	-
2457MHz	Pass	PK	2.4578G	107.19	Inf	-Inf	3	Horizontal	327	2.72	-
2457MHz	Pass	PK	2.4858G	59.74	74.00	-14.26	3	Horizontal	327	2.72	-
2462MHz	Pass	AV	2.4628G	109.14	Inf	-Inf	3	Vertical	176	1.50	-
2462MHz	Pass	AV	2.4835G	53.62	54.00	-0.38	3	Vertical	176	1.50	-
2462MHz	Pass	PK	2.4628G	112.07	Inf	-Inf	3	Vertical	176	1.50	-
2462MHz	Pass	PK	2.4904G	61.13	74.00	-12.87	3	Vertical	176	1.50	-
2462MHz	Pass	AV	2.4612G	104.03	Inf	-Inf	3	Horizontal	338	2.45	-
2462MHz	Pass	AV	2.4835G	48.61	54.00	-5.39	3	Horizontal	338	2.45	-
2462MHz	Pass	PK	2.4612G	106.74	Inf	-Inf	3	Horizontal	338	2.45	-
2462MHz	Pass	PK	2.4912G	59.16	74.00	-14.84	3	Horizontal	338	2.45	-
2462MHz	Pass	AV	4.92394G	44.32	54.00	-9.68	3	Vertical	329	2.22	-
2462MHz	Pass	AV	7.38516G	43.17	54.00	-10.83	3	Vertical	323	3.00	-
2462MHz	Pass	PK	4.92396G	50.19	74.00	-23.81	3	Vertical	329	2.22	-
2462MHz	Pass	PK	7.38682G	53.90	74.00	-20.10	3	Vertical	323	3.00	-
2462MHz	Pass	AV	4.92396G	44.57	54.00	-9.43	3	Horizontal	337	2.28	-
2462MHz	Pass	AV	7.38512G	42.02	54.00	-11.98	3	Horizontal	319	2.21	-
2462MHz	Pass	PK	4.92404G	50.42	74.00	-23.58	3	Horizontal	337	2.28	-
2462MHz	Pass	PK	7.38466G	53.03	74.00	-20.97	3	Horizontal	319	2.21	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3888G	49.76	54.00	-4.24	3	Vertical	215	1.50	-
2412MHz	Pass	AV	2.4124G	100.67	Inf	-Inf	3	Vertical	215	1.50	-
2412MHz	Pass	PK	2.39G	73.23	74.00	-0.77	3	Vertical	215	1.50	-
2412MHz	Pass	PK	2.4128G	109.52	Inf	-Inf	3	Vertical	215	1.50	-
2412MHz	Pass	AV	2.3898G	47.13	54.00	-6.87	3	Horizontal	321	2.53	-
2412MHz	Pass	AV	2.4114G	97.03	Inf	-Inf	3	Horizontal	321	2.53	-
2412MHz	Pass	PK	2.3878G	65.22	74.00	-8.78	3	Horizontal	321	2.53	-
2412MHz	Pass	PK	2.4126G	105.59	Inf	-Inf	3	Horizontal	321	2.53	-
2412MHz	Pass	AV	4.82364G	34.40	54.00	-19.60	3	Vertical	241	2.44	-
2412MHz	Pass	PK	4.82864G	47.30	74.00	-26.70	3	Vertical	241	2.44	-
2412MHz	Pass	AV	4.82336G	34.26	54.00	-19.74	3	Horizontal	320	2.19	-
2412MHz	Pass	PK	4.82428G	46.90	74.00	-27.10	3	Horizontal	320	2.19	-
2417MHz	Pass	AV	2.3898G	52.89	54.00	-1.11	3	Vertical	226	1.50	-
2417MHz	Pass	AV	2.4176G	102.40	Inf	-Inf	3	Vertical	226	1.50	-
2417MHz	Pass	PK	2.3882G	70.77	74.00	-3.23	3	Vertical	226	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2417MHz	Pass	PK	2.4182G	111.22	Inf	-Inf	3	Vertical	226	1.50	-
2417MHz	Pass	AV	2.39G	49.25	54.00	-4.75	3	Horizontal	319	2.48	-
2417MHz	Pass	AV	2.4164G	98.22	Inf	-Inf	3	Horizontal	319	2.48	-
2417MHz	Pass	PK	2.3872G	68.26	74.00	-5.74	3	Horizontal	319	2.48	-
2417MHz	Pass	PK	2.4176G	106.83	Inf	-Inf	3	Horizontal	319	2.48	-
2437MHz	Pass	AV	2.3898G	51.28	54.00	-2.72	3	Vertical	181	1.50	-
2437MHz	Pass	AV	2.4362G	104.32	Inf	-Inf	3	Vertical	181	1.50	-
2437MHz	Pass	AV	2.4838G	48.63	54.00	-5.37	3	Vertical	181	1.50	-
2437MHz	Pass	PK	2.3878G	65.68	74.00	-8.32	3	Vertical	181	1.50	-
2437MHz	Pass	PK	2.4362G	112.88	Inf	-Inf	3	Vertical	181	1.50	-
2437MHz	Pass	PK	2.4874G	64.22	74.00	-9.78	3	Vertical	181	1.50	-
2437MHz	Pass	AV	2.389G	46.61	54.00	-7.39	3	Horizontal	216	1.50	-
2437MHz	Pass	AV	2.4386G	96.16	Inf	-Inf	3	Horizontal	216	1.50	-
2437MHz	Pass	AV	2.485G	46.03	54.00	-7.97	3	Horizontal	216	1.50	-
2437MHz	Pass	PK	2.3898G	59.43	74.00	-14.57	3	Horizontal	216	1.50	-
2437MHz	Pass	PK	2.4382G	105.16	Inf	-Inf	3	Horizontal	216	1.50	-
2437MHz	Pass	PK	2.4946G	57.99	74.00	-16.01	3	Horizontal	216	1.50	-
2437MHz	Pass	AV	4.87464G	35.12	54.00	-18.88	3	Vertical	288	2.61	-
2437MHz	Pass	AV	7.31374G	40.64	54.00	-13.36	3	Vertical	232	2.99	-
2437MHz	Pass	PK	4.87488G	47.79	74.00	-26.21	3	Vertical	288	2.61	-
2437MHz	Pass	PK	7.314G	54.46	74.00	-19.54	3	Vertical	232	2.99	-
2437MHz	Pass	AV	4.87396G	34.98	54.00	-19.02	3	Horizontal	336	2.48	-
2437MHz	Pass	AV	7.31178G	39.82	54.00	-14.18	3	Horizontal	315	2.92	-
2437MHz	Pass	PK	4.87236G	47.31	74.00	-26.69	3	Horizontal	336	2.48	-
2437MHz	Pass	PK	7.30828G	52.96	74.00	-21.04	3	Horizontal	315	2.92	-
2457MHz	Pass	AV	2.4562G	104.06	Inf	-Inf	3	Vertical	184	1.77	-
2457MHz	Pass	AV	2.4835G	53.45	54.00	-0.55	3	Vertical	184	1.77	-
2457MHz	Pass	PK	2.456G	112.59	Inf	-Inf	3	Vertical	184	1.77	-
2457MHz	Pass	PK	2.4864G	71.19	74.00	-2.81	3	Vertical	184	1.77	-
2457MHz	Pass	AV	2.4576G	96.04	Inf	-Inf	3	Horizontal	241	1.00	-
2457MHz	Pass	AV	2.4835G	48.31	54.00	-5.69	3	Horizontal	241	1.00	-
2457MHz	Pass	PK	2.4576G	104.93	Inf	-Inf	3	Horizontal	241	1.00	-
2457MHz	Pass	PK	2.4835G	63.90	74.00	-10.10	3	Horizontal	241	1.00	-
2462MHz	Pass	AV	2.4612G	101.98	Inf	-Inf	3	Vertical	194	1.81	-
2462MHz	Pass	AV	2.4836G	49.87	54.00	-4.13	3	Vertical	194	1.81	-
2462MHz	Pass	PK	2.461G	110.68	Inf	-Inf	3	Vertical	194	1.81	-
2462MHz	Pass	PK	2.4835G	73.43	74.00	-0.57	3	Vertical	194	1.81	-
2462MHz	Pass	AV	2.4634G	94.40	Inf	-Inf	3	Horizontal	65	2.66	-
2462MHz	Pass	AV	2.484G	46.98	54.00	-7.02	3	Horizontal	65	2.66	-
2462MHz	Pass	PK	2.4634G	102.86	Inf	-Inf	3	Horizontal	65	2.66	-
2462MHz	Pass	PK	2.4836G	68.12	74.00	-5.88	3	Horizontal	65	2.66	-
2462MHz	Pass	AV	4.92604G	34.83	54.00	-19.17	3	Vertical	4	2.12	-
2462MHz	Pass	AV	7.38834G	38.51	54.00	-15.49	3	Vertical	55	1.50	-
2462MHz	Pass	PK	4.92528G	47.38	74.00	-26.62	3	Vertical	4	2.12	-
2462MHz	Pass	PK	7.38918G	51.57	74.00	-22.43	3	Vertical	55	1.50	-
2462MHz	Pass	AV	4.92452G	34.31	54.00	-19.69	3	Horizontal	320	2.15	-
2462MHz	Pass	AV	7.38762G	38.53	54.00	-15.47	3	Horizontal	3	2.65	-
2462MHz	Pass	PK	4.92996G	47.21	74.00	-26.79	3	Horizontal	320	2.15	-
2462MHz	Pass	PK	7.38784G	51.48	74.00	-22.52	3	Horizontal	3	2.65	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.42	54.00	-0.58	3	Vertical	52	1.27	-
2412MHz	Pass	AV	2.4108G	101.95	Inf	-Inf	3	Vertical	52	1.27	-
2412MHz	Pass	PK	2.3884G	73.05	74.00	-0.95	3	Vertical	52	1.27	-
2412MHz	Pass	PK	2.4132G	111.18	Inf	-Inf	3	Vertical	52	1.27	-
2412MHz	Pass	AV	2.3892G	50.20	54.00	-3.80	3	Horizontal	322	1.00	-
2412MHz	Pass	AV	2.4094G	96.38	Inf	-Inf	3	Horizontal	322	1.00	-
2412MHz	Pass	PK	2.3888G	69.19	74.00	-4.81	3	Horizontal	322	1.00	-
2412MHz	Pass	PK	2.4142G	105.02	Inf	-Inf	3	Horizontal	322	1.00	-
2412MHz	Pass	AV	4.82716G	35.03	54.00	-18.97	3	Vertical	337	1.61	-
2412MHz	Pass	PK	4.81924G	47.81	74.00	-26.19	3	Vertical	337	1.61	-
2412MHz	Pass	AV	4.82692G	35.12	54.00	-18.88	3	Horizontal	335	2.85	-
2412MHz	Pass	PK	4.8286G	47.41	74.00	-26.59	3	Horizontal	335	2.85	-
2417MHz	Pass	AV	2.3896G	53.57	54.00	-0.43	3	Vertical	64	2.81	-
2417MHz	Pass	AV	2.4166G	103.61	Inf	-Inf	3	Vertical	64	2.81	-
2417MHz	Pass	PK	2.3886G	73.00	74.00	-1.00	3	Vertical	64	2.81	-
2417MHz	Pass	PK	2.4188G	113.50	Inf	-Inf	3	Vertical	64	2.81	-
2417MHz	Pass	AV	2.3898G	49.25	54.00	-4.75	3	Horizontal	324	1.19	-
2417MHz	Pass	AV	2.4158G	98.23	Inf	-Inf	3	Horizontal	324	1.19	-
2417MHz	Pass	PK	2.3884G	70.09	74.00	-3.91	3	Horizontal	324	1.19	-
2417MHz	Pass	PK	2.4152G	107.11	Inf	-Inf	3	Horizontal	324	1.19	-
2437MHz	Pass	AV	2.3894G	49.09	54.00	-4.91	3	Vertical	172	1.30	-
2437MHz	Pass	AV	2.4362G	104.71	Inf	-Inf	3	Vertical	172	1.30	-
2437MHz	Pass	AV	2.4835G	48.60	54.00	-5.40	3	Vertical	172	1.30	-
2437MHz	Pass	PK	2.3898G	66.59	74.00	-7.41	3	Vertical	172	1.30	-
2437MHz	Pass	PK	2.4354G	114.86	Inf	-Inf	3	Vertical	172	1.30	-
2437MHz	Pass	PK	2.4838G	63.85	74.00	-10.15	3	Vertical	172	1.30	-
2437MHz	Pass	AV	2.3898G	49.31	54.00	-4.69	3	Horizontal	324	1.62	-
2437MHz	Pass	AV	2.4378G	98.20	Inf	-Inf	3	Horizontal	324	1.62	-
2437MHz	Pass	AV	2.4835G	47.36	54.00	-6.64	3	Horizontal	324	1.62	-
2437MHz	Pass	PK	2.3894G	66.26	74.00	-7.74	3	Horizontal	324	1.62	-
2437MHz	Pass	PK	2.435G	106.73	Inf	-Inf	3	Horizontal	324	1.62	-
2437MHz	Pass	PK	2.4835G	60.51	74.00	-13.49	3	Horizontal	324	1.62	-
2437MHz	Pass	AV	4.87476G	34.90	54.00	-19.10	3	Vertical	360	1.92	-
2437MHz	Pass	AV	7.31092G	40.26	54.00	-13.74	3	Vertical	121	1.50	-
2437MHz	Pass	PK	4.87708G	48.43	74.00	-25.57	3	Vertical	360	1.92	-
2437MHz	Pass	PK	7.3078G	52.82	74.00	-21.18	3	Vertical	121	1.50	-
2437MHz	Pass	AV	4.87988G	34.51	54.00	-19.49	3	Horizontal	336	2.55	-
2437MHz	Pass	AV	7.31328G	41.48	54.00	-12.52	3	Horizontal	6	2.10	-
2437MHz	Pass	PK	4.86504G	47.52	74.00	-26.48	3	Horizontal	336	2.55	-
2437MHz	Pass	PK	7.31356G	54.54	74.00	-19.46	3	Horizontal	6	2.10	-
2457MHz	Pass	AV	2.456G	104.24	Inf	-Inf	3	Vertical	147	1.55	-
2457MHz	Pass	AV	2.4835G	53.62	54.00	-0.38	3	Vertical	147	1.55	-
2457MHz	Pass	PK	2.4532G	114.58	Inf	-Inf	3	Vertical	147	1.55	-
2457MHz	Pass	PK	2.4835G	73.31	74.00	-0.69	3	Vertical	147	1.55	-
2457MHz	Pass	AV	2.4556G	96.01	Inf	-Inf	3	Horizontal	326	2.13	-
2457MHz	Pass	AV	2.4835G	48.30	54.00	-5.70	3	Horizontal	326	2.13	-
2457MHz	Pass	PK	2.4548G	105.29	Inf	-Inf	3	Horizontal	326	2.13	-
2457MHz	Pass	PK	2.4835G	64.68	74.00	-9.32	3	Horizontal	326	2.13	-

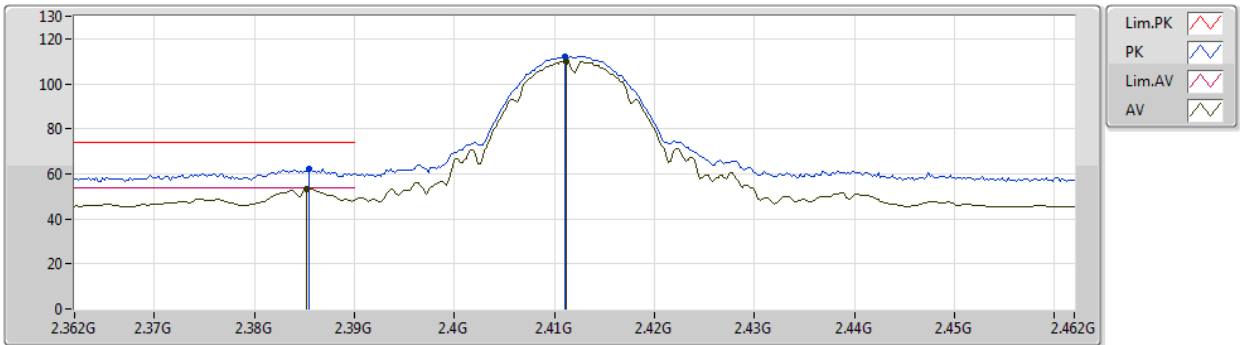


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	2.4594G	101.37	Inf	-Inf	3	Vertical	174	2.03	-
2462MHz	Pass	AV	2.484G	50.93	54.00	-3.07	3	Vertical	174	2.03	-
2462MHz	Pass	PK	2.4594G	111.37	Inf	-Inf	3	Vertical	174	2.03	-
2462MHz	Pass	PK	2.4848G	73.77	74.00	-0.23	3	Vertical	174	2.03	-
2462MHz	Pass	AV	2.4622G	93.75	Inf	-Inf	3	Horizontal	55	2.81	-
2462MHz	Pass	AV	2.4842G	47.16	54.00	-6.84	3	Horizontal	55	2.81	-
2462MHz	Pass	PK	2.4646G	102.96	Inf	-Inf	3	Horizontal	55	2.81	-
2462MHz	Pass	PK	2.4852G	65.51	74.00	-8.49	3	Horizontal	55	2.81	-
2462MHz	Pass	AV	4.92228G	34.72	54.00	-19.28	3	Vertical	26	2.07	-
2462MHz	Pass	AV	7.38324G	41.11	54.00	-12.89	3	Vertical	116	2.94	-
2462MHz	Pass	PK	4.92332G	46.96	74.00	-27.04	3	Vertical	26	2.07	-
2462MHz	Pass	PK	7.38088G	53.67	74.00	-20.33	3	Vertical	116	2.94	-
2462MHz	Pass	AV	4.93032G	34.07	54.00	-19.93	3	Horizontal	338	2.09	-
2462MHz	Pass	AV	7.38276G	40.31	54.00	-13.69	3	Horizontal	1	1.98	-
2462MHz	Pass	PK	4.9288G	47.18	74.00	-26.82	3	Horizontal	338	2.09	-
2462MHz	Pass	PK	7.3852G	53.40	74.00	-20.60	3	Horizontal	1	1.98	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2412MHz_TX

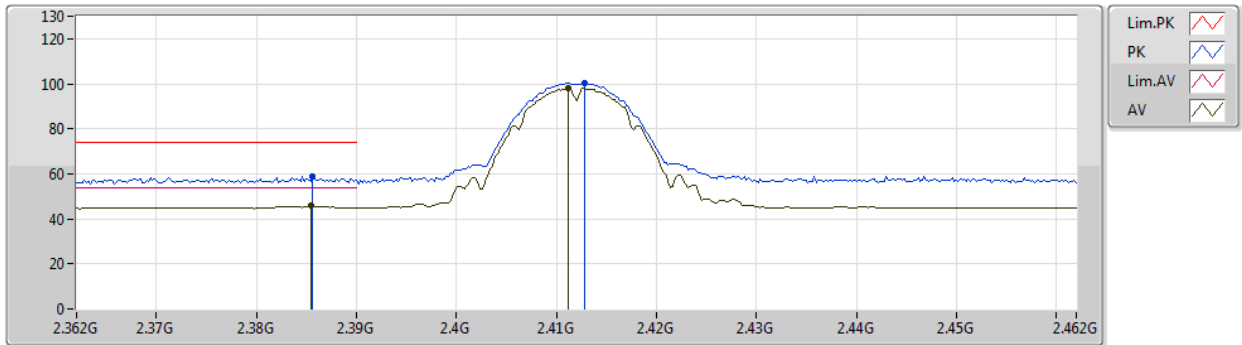


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3852G	53.31	54.00	-0.69	32.73	3	Vertical	197	1.15	-	20.58	27.66	5.07	-
AV	2.4112G	110.00	Inf	-Inf	32.72	3	Vertical	197	1.15	-	77.28	27.60	5.12	-
PK	2.3854G	62.15	74.00	-11.85	32.73	3	Vertical	197	1.15	-	29.42	27.66	5.07	-
PK	2.411G	112.30	Inf	-Inf	32.72	3	Vertical	197	1.15	-	79.58	27.60	5.12	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2412MHz_TX

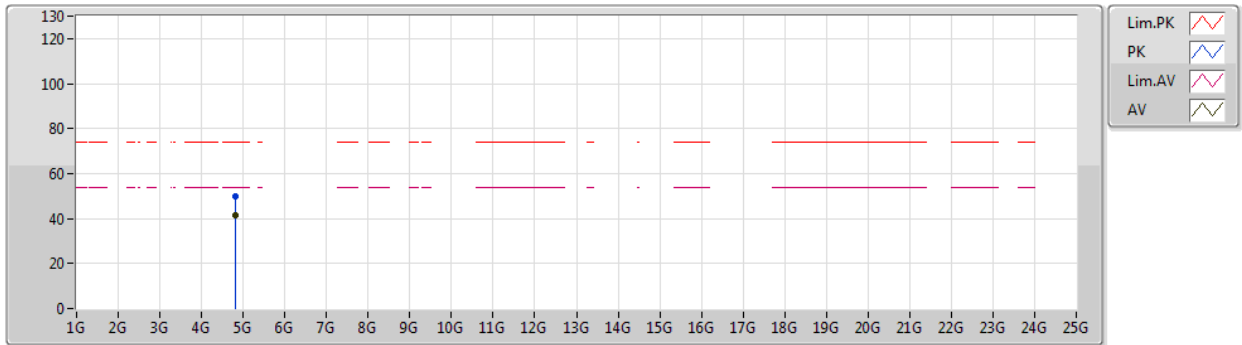


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3854G	45.74	54.00	-8.26	32.73	3	Horizontal	161	1.22	-	13.01	27.66	5.07	-
AV	2.4112G	98.16	Inf	-Inf	32.72	3	Horizontal	161	1.22	-	65.44	27.60	5.12	-
PK	2.3856G	58.65	74.00	-15.35	32.73	3	Horizontal	161	1.22	-	25.92	27.66	5.07	-
PK	2.4128G	100.41	Inf	-Inf	32.72	3	Horizontal	161	1.22	-	67.69	27.60	5.12	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2412MHz_TX

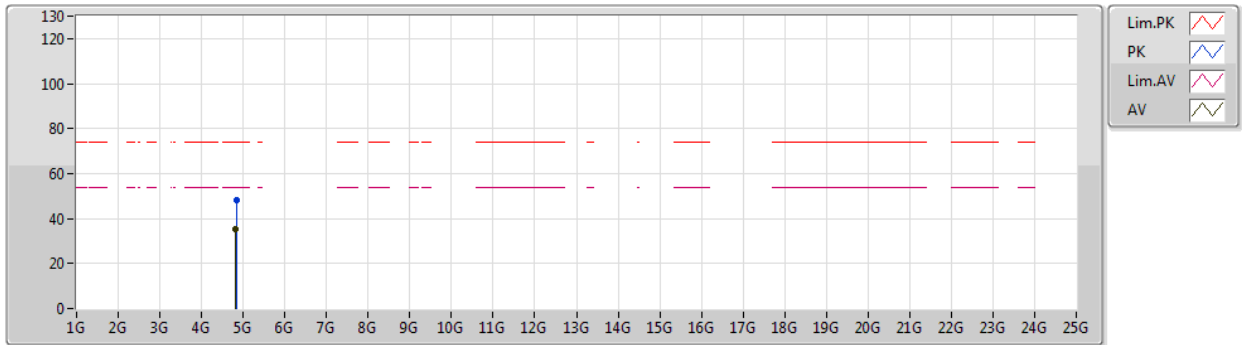


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82394G	41.47	54.00	-12.53	7.99	3	Vertical	110	2.18	-	33.48	31.20	7.32	30.53
PK	4.82394G	49.82	74.00	-24.18	7.99	3	Vertical	110	2.18	-	41.83	31.20	7.32	30.53

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2412MHz_TX

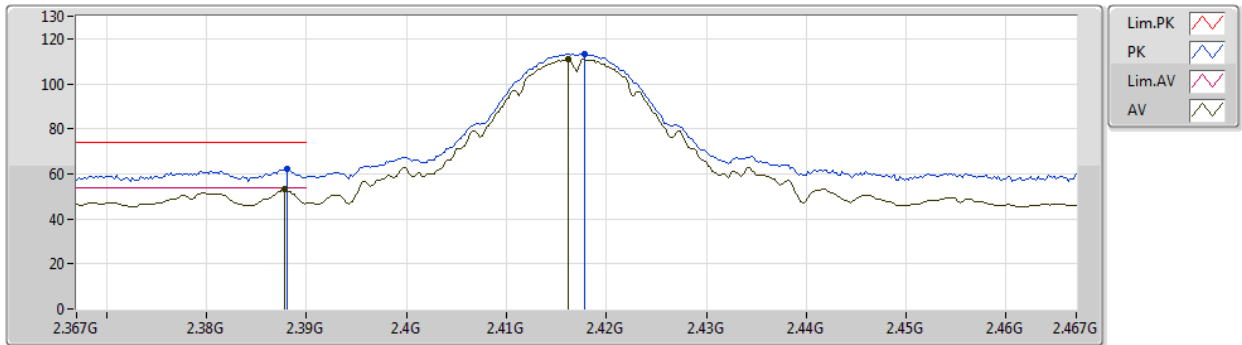


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82394G	35.39	54.00	-18.61	7.99	3	Horizontal	159	1.13	-	27.40	31.20	7.32	30.53
PK	4.8312G	47.96	74.00	-26.04	8.02	3	Horizontal	159	1.13	-	39.94	31.22	7.33	30.53

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2417MHz_TX

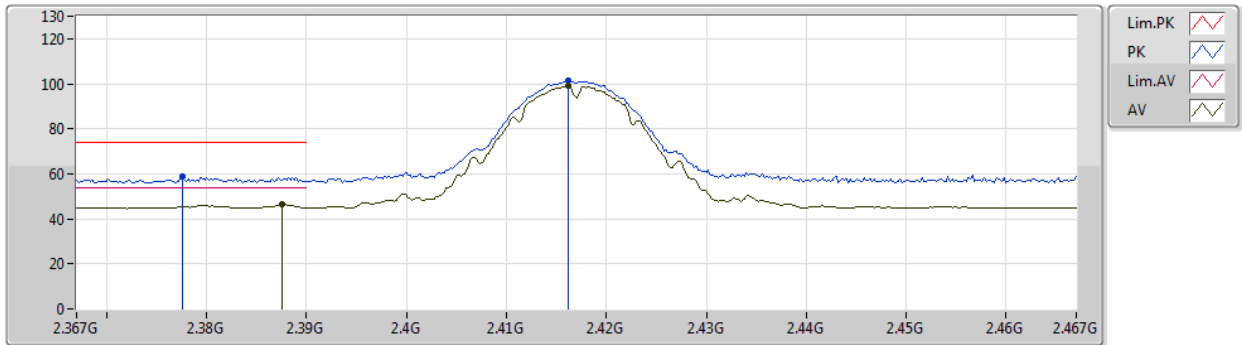


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	53.07	54.00	-0.93	32.73	3	Vertical	211	1.17	-	20.34	27.65	5.08	-
AV	2.4162G	111.14	Inf	-Inf	32.72	3	Vertical	211	1.17	-	78.42	27.60	5.12	-
PK	2.388G	61.97	74.00	-12.03	32.73	3	Vertical	211	1.17	-	29.24	27.65	5.08	-
PK	2.4178G	113.36	Inf	-Inf	32.73	3	Vertical	211	1.17	-	80.63	27.60	5.13	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2417MHz_TX

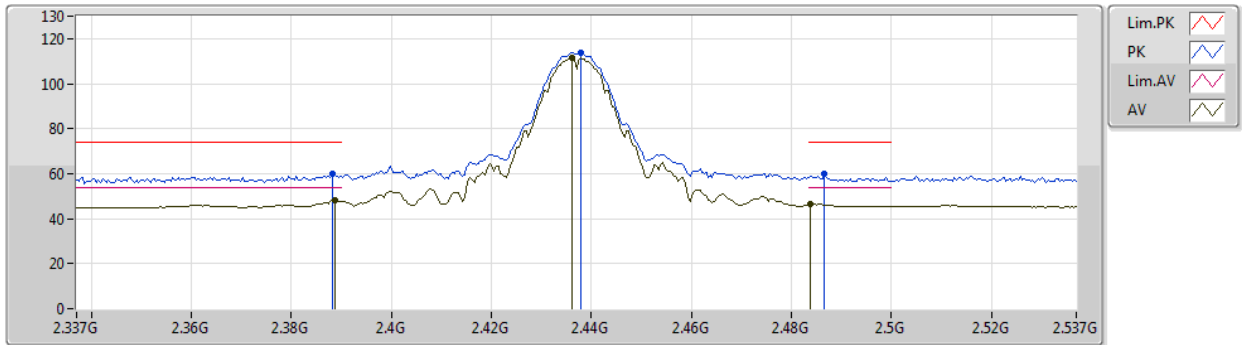


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3876G	46.33	54.00	-7.67	32.73	3	Horizontal	164	1.63	-	13.60	27.65	5.08	-
AV	2.4162G	98.95	Inf	-Inf	32.72	3	Horizontal	164	1.63	-	66.23	27.60	5.12	-
PK	2.3776G	58.67	74.00	-15.33	32.75	3	Horizontal	164	1.63	-	25.92	27.69	5.06	-
PK	2.4162G	101.25	Inf	-Inf	32.72	3	Horizontal	164	1.63	-	68.53	27.60	5.12	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

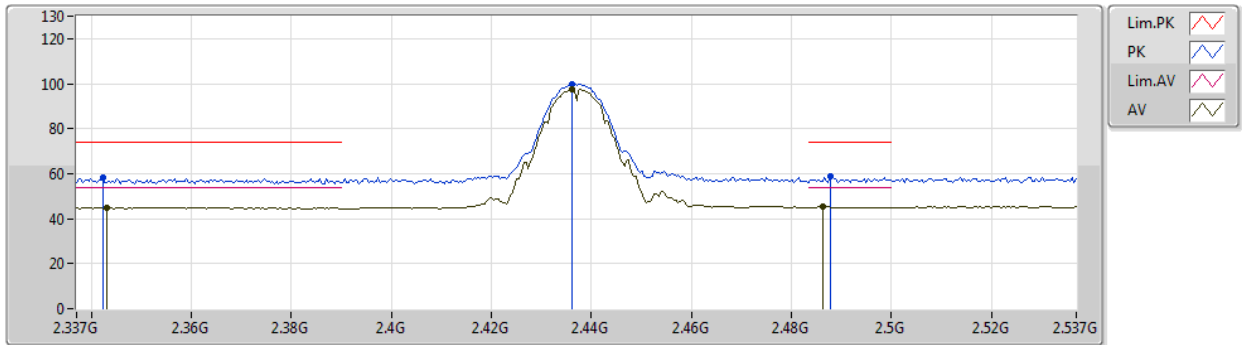
2437MHz_TX



802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2437MHz_TX

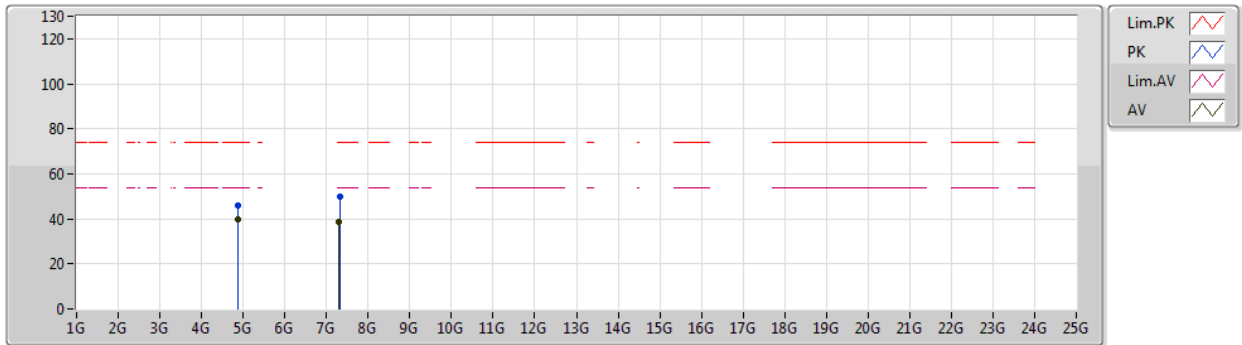


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.343G	44.78	54.00	-9.22	32.80	3	Horizontal	39	1.39	-	11.98	27.81	4.99	-
AV	2.4362G	97.73	Inf	-Inf	32.75	3	Horizontal	39	1.39	-	64.98	27.60	5.15	-
AV	2.4862G	45.22	54.00	-8.78	32.83	3	Horizontal	39	1.39	-	12.39	27.60	5.23	-
PK	2.3422G	58.14	74.00	-15.86	32.80	3	Horizontal	39	1.39	-	25.34	27.82	4.98	-
PK	2.4362G	99.98	Inf	-Inf	32.75	3	Horizontal	39	1.39	-	67.23	27.60	5.15	-
PK	2.4878G	58.56	74.00	-15.44	32.83	3	Horizontal	39	1.39	-	25.73	27.60	5.23	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2437MHz_TX

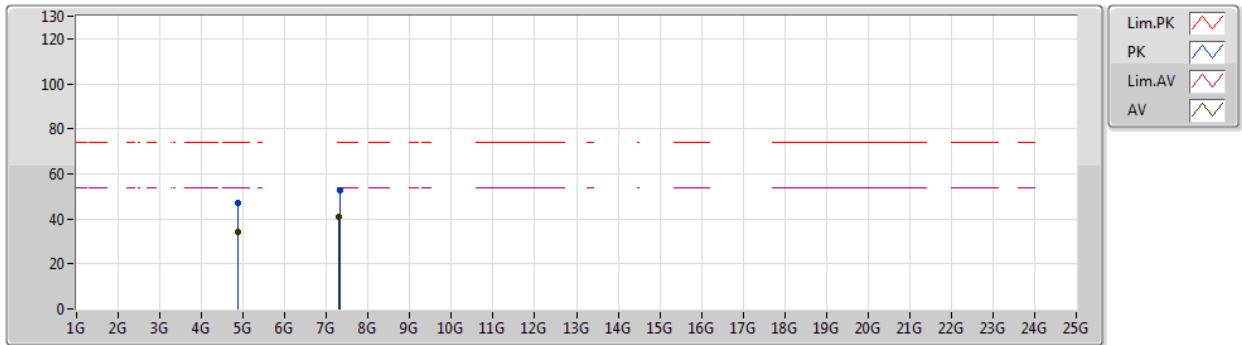


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87394G	39.69	54.00	-14.31	4.34	3	Vertical	359	2.50	-	35.35	31.25	7.37	34.28
AV	7.30998G	38.71	54.00	-15.29	10.59	3	Vertical	248	2.21	-	28.12	36.58	8.60	34.59
PK	4.87394G	46.06	74.00	-27.94	4.34	3	Vertical	359	2.50	-	41.72	31.25	7.37	34.28
PK	7.31058G	49.79	74.00	-24.21	10.59	3	Vertical	248	2.21	-	39.20	36.58	8.60	34.59

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2437MHz_TX

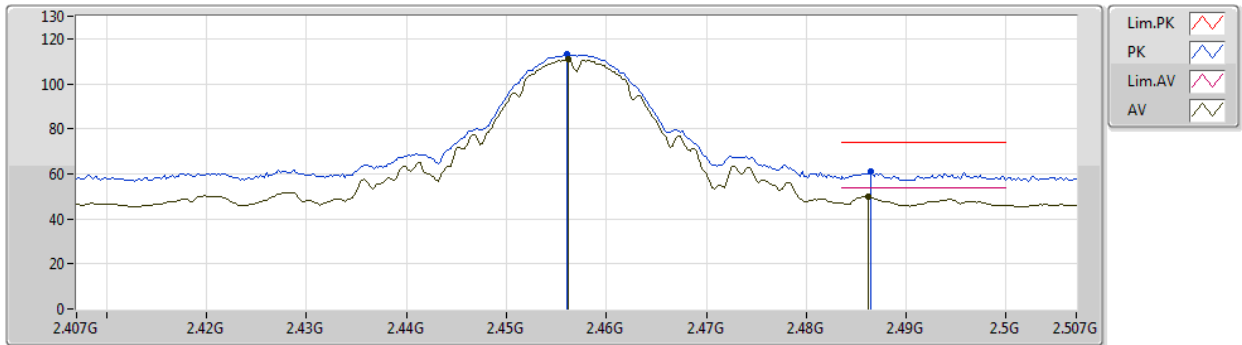


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87388G	34.18	54.00	-19.82	8.09	3	Horizontal	24	2.62	-	26.09	31.25	7.37	30.53
AV	7.30998G	40.71	54.00	-13.29	13.86	3	Horizontal	308	2.35	-	26.85	36.58	8.60	31.32
PK	4.87154G	47.17	74.00	-26.83	8.10	3	Horizontal	24	2.62	-	39.07	31.26	7.37	30.53
PK	7.31022G	52.91	74.00	-21.09	13.86	3	Horizontal	308	2.35	-	39.05	36.58	8.60	31.32

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2457MHz_TX

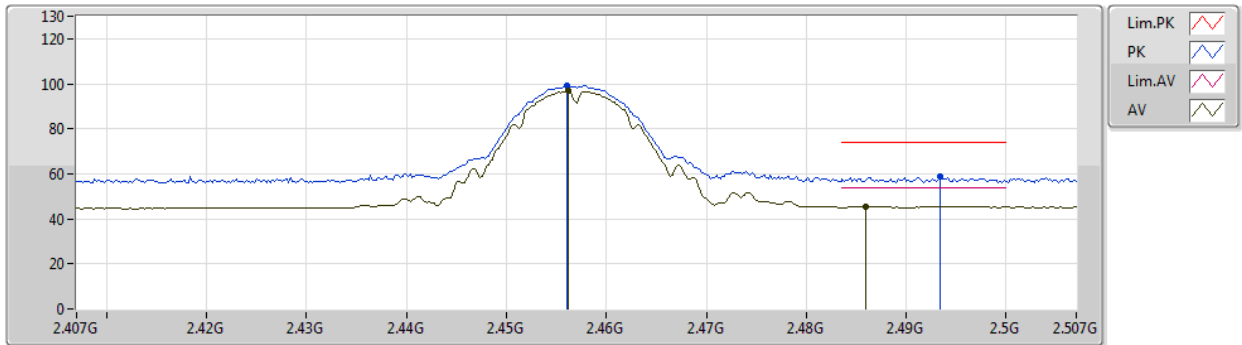


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	110.98	Inf	-Inf	32.78	3	Vertical	163	1.57	-	78.20	27.60	5.18	-
AV	2.4862G	49.87	54.00	-4.13	32.83	3	Vertical	163	1.57	-	17.04	27.60	5.23	-
PK	2.456G	113.15	Inf	-Inf	32.78	3	Vertical	163	1.57	-	80.37	27.60	5.18	-
PK	2.4864G	60.89	74.00	-13.11	32.83	3	Vertical	163	1.57	-	28.06	27.60	5.23	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

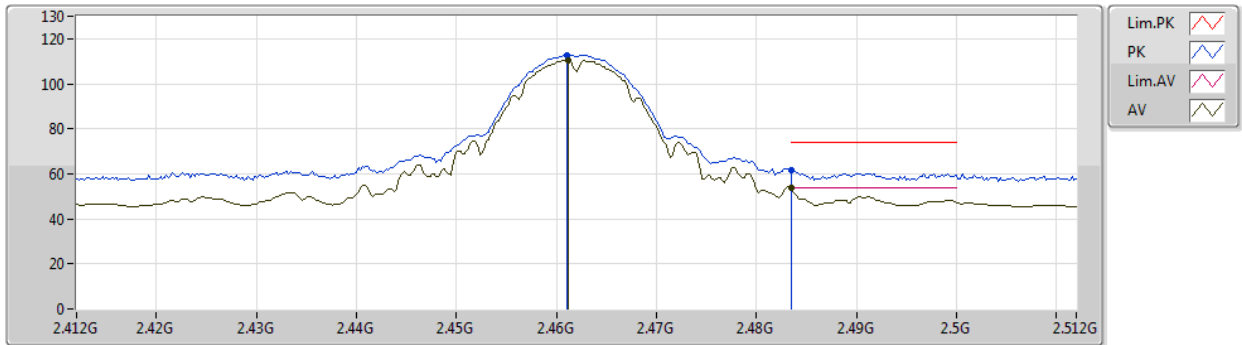
2457MHz_TX



802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2462MHz_TX

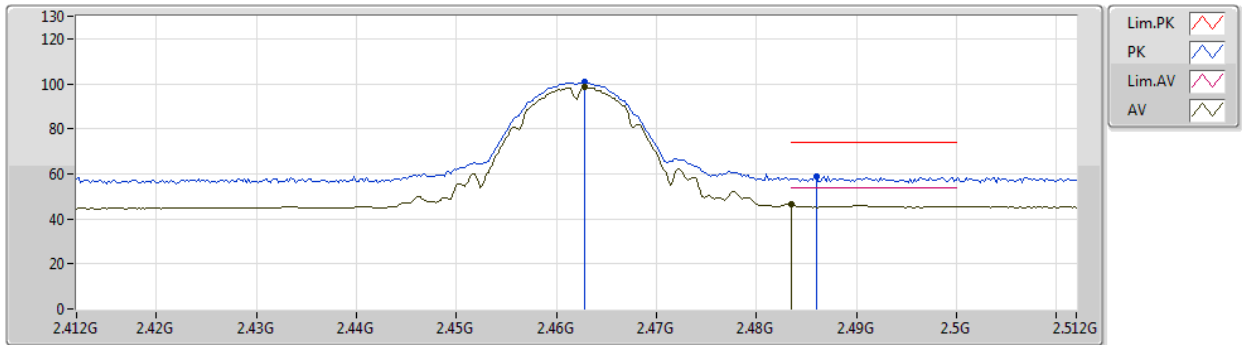


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	110.55	Inf	-Inf	32.79	3	Vertical	166	2.05	-	77.76	27.60	5.19	-
AV	2.4835G	53.80	54.00	-0.20	32.83	3	Vertical	166	2.05	-	20.97	27.60	5.23	-
PK	2.461G	112.87	Inf	-Inf	32.79	3	Vertical	166	2.05	-	80.08	27.60	5.19	-
PK	2.4835G	61.86	74.00	-12.14	32.83	3	Vertical	166	2.05	-	29.03	27.60	5.23	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2462MHz_TX

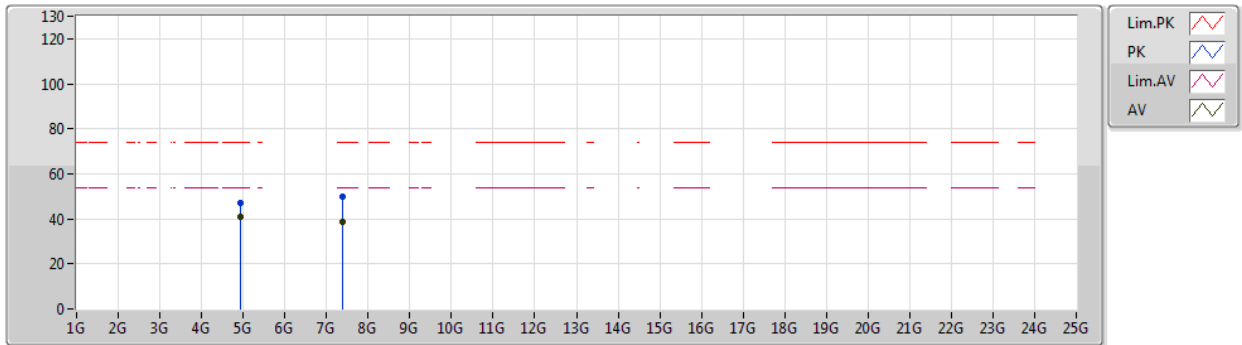


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	98.38	Inf	-Inf	32.79	3	Horizontal	38	1.36	-	65.59	27.60	5.19	-
AV	2.4835G	46.41	54.00	-7.59	32.83	3	Horizontal	38	1.36	-	13.58	27.60	5.23	-
PK	2.4628G	100.74	Inf	-Inf	32.79	3	Horizontal	38	1.36	-	67.95	27.60	5.19	-
PK	2.486G	59.10	74.00	-14.90	32.83	3	Horizontal	38	1.36	-	26.27	27.60	5.23	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2462MHz_TX

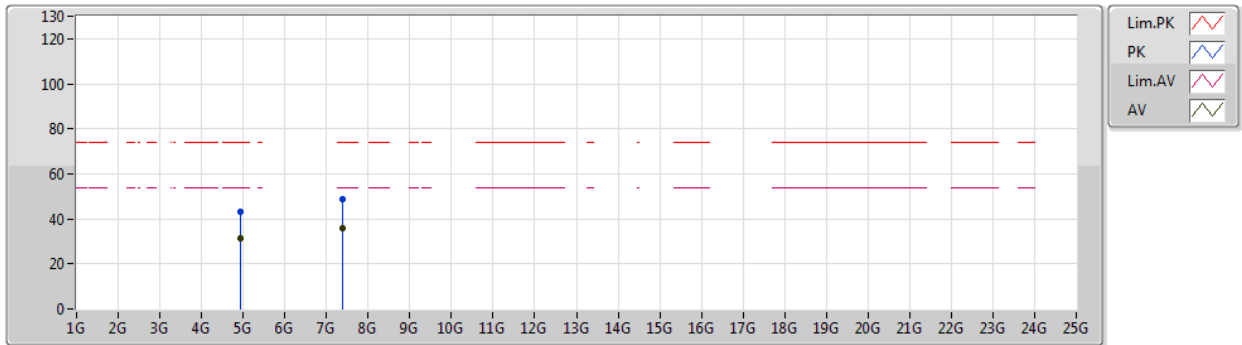


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92394G	40.64	54.00	-13.36	4.50	3	Vertical	32	2.38	-	36.14	31.30	7.42	34.22
AV	7.38498G	38.45	54.00	-15.55	10.44	3	Vertical	122	2.28	-	28.01	36.43	8.60	34.59
PK	4.92394G	46.86	74.00	-27.14	4.50	3	Vertical	32	2.38	-	42.36	31.30	7.42	34.22
PK	7.38642G	49.88	74.00	-24.12	10.44	3	Vertical	122	2.28	-	39.44	36.43	8.60	34.59

802.11b_Nss1,(1Mbps)_1TX(Port2)

27/07/2020

2462MHz_TX

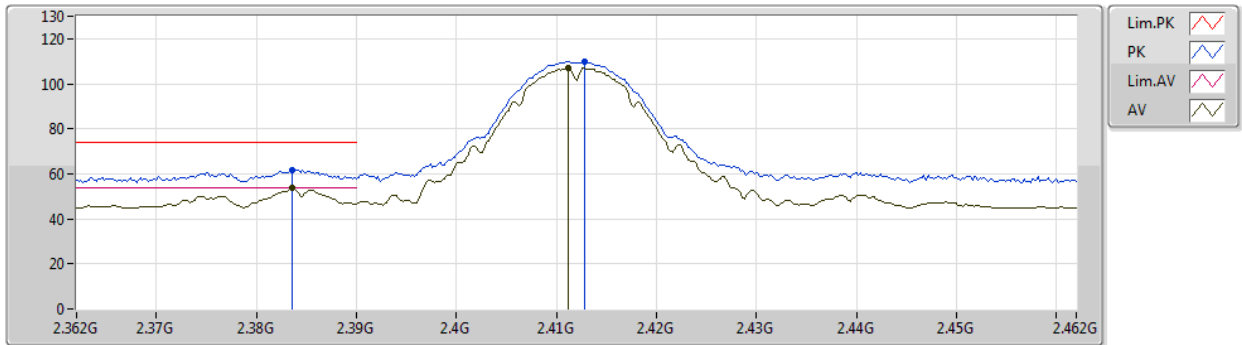


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92388G	31.36	54.00	-22.64	4.50	3	Horizontal	165	1.49	-	26.86	31.30	7.42	34.22
AV	7.38522G	35.91	54.00	-18.09	10.44	3	Horizontal	229	1.48	-	25.47	36.43	8.60	34.59
PK	4.92406G	43.17	74.00	-30.83	4.50	3	Horizontal	165	1.49	-	38.67	31.30	7.42	34.22
PK	7.38714G	48.95	74.00	-25.05	10.44	3	Horizontal	229	1.48	-	38.51	36.43	8.60	34.59

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2412MHz_TX

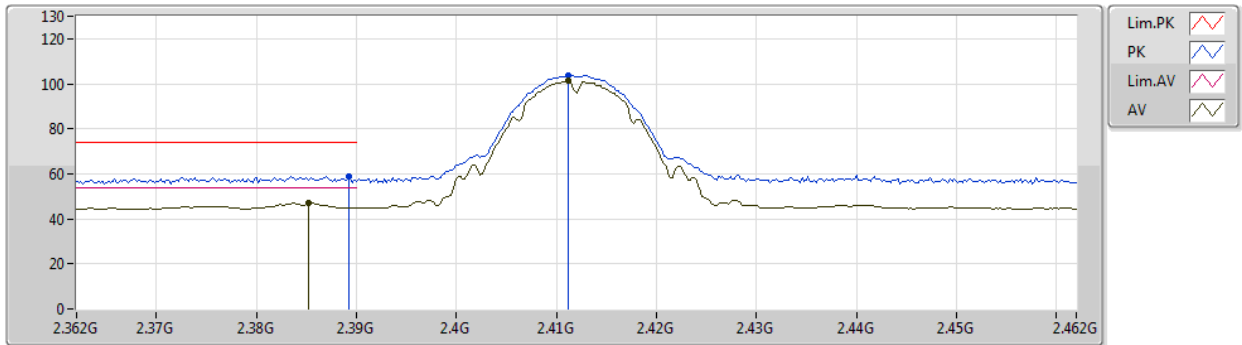


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3836G	53.53	54.00	-0.47	32.74	3	Vertical	61	1.00	-	20.79	27.67	5.07	-
AV	2.4112G	107.10	Inf	-Inf	32.72	3	Vertical	61	1.00	-	74.38	27.60	5.12	-
PK	2.3836G	61.47	74.00	-12.53	32.74	3	Vertical	61	1.00	-	28.73	27.67	5.07	-
PK	2.4128G	109.92	Inf	-Inf	32.72	3	Vertical	61	1.00	-	77.20	27.60	5.12	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2412MHz_TX

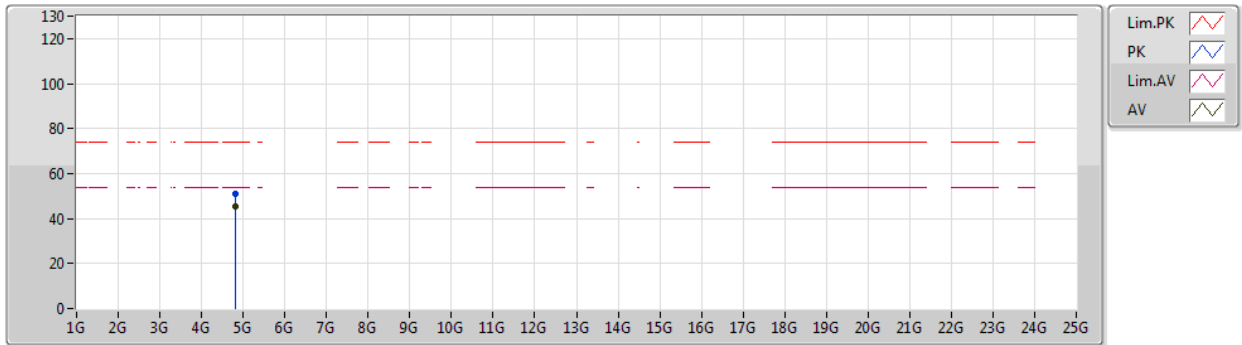


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3852G	47.11	54.00	-6.89	32.73	3	Horizontal	345	2.01	-	14.38	27.66	5.07	-
AV	2.4112G	101.22	Inf	-Inf	32.72	3	Horizontal	345	2.01	-	68.50	27.60	5.12	-
PK	2.3892G	58.91	74.00	-15.09	32.72	3	Horizontal	345	2.01	-	26.19	27.64	5.08	-
PK	2.4112G	103.88	Inf	-Inf	32.72	3	Horizontal	345	2.01	-	71.16	27.60	5.12	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2412MHz_TX

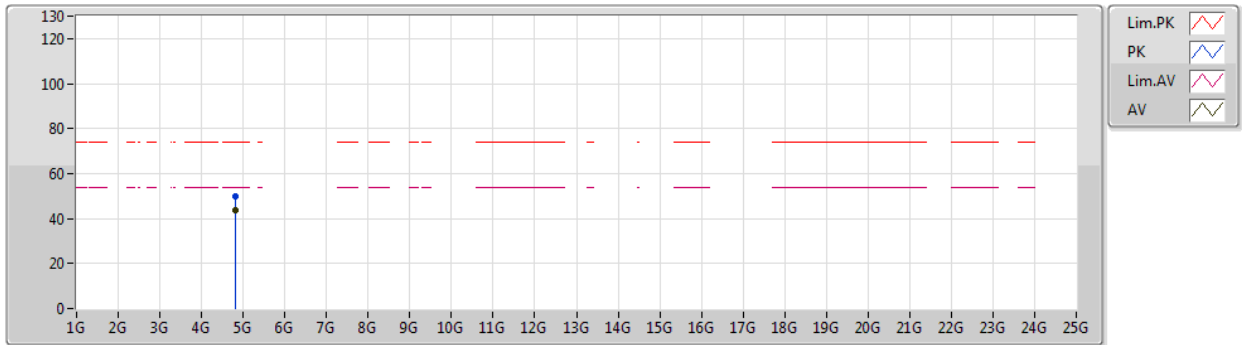


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82397G	45.32	54.00	-8.68	4.23	3	Vertical	251	2.28	-	41.09	31.20	7.32	34.29
PK	4.82396G	50.90	74.00	-23.10	4.23	3	Vertical	251	2.28	-	46.67	31.20	7.32	34.29

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2412MHz_TX

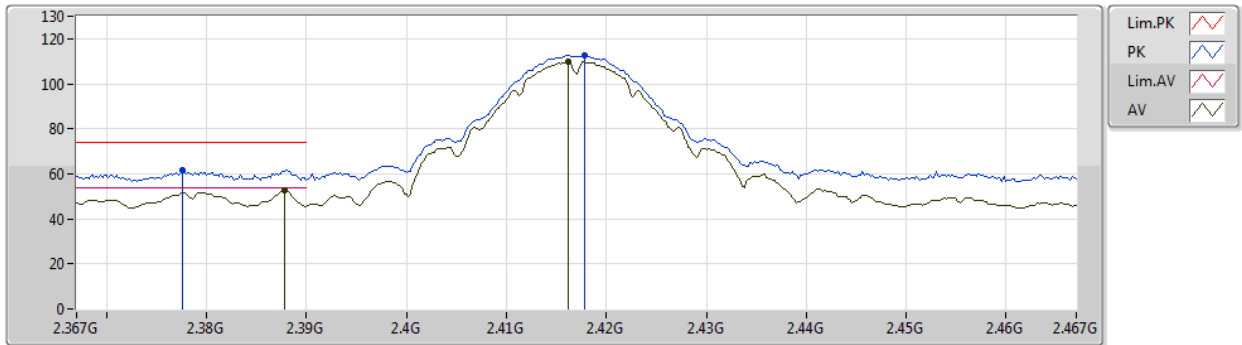


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82397G	43.87	54.00	-10.13	4.23	3	Horizontal	336	2.38	-	39.64	31.20	7.32	34.29
PK	4.82382G	49.96	74.00	-24.04	4.23	3	Horizontal	336	2.38	-	45.73	31.20	7.32	34.29

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2417MHz_TX

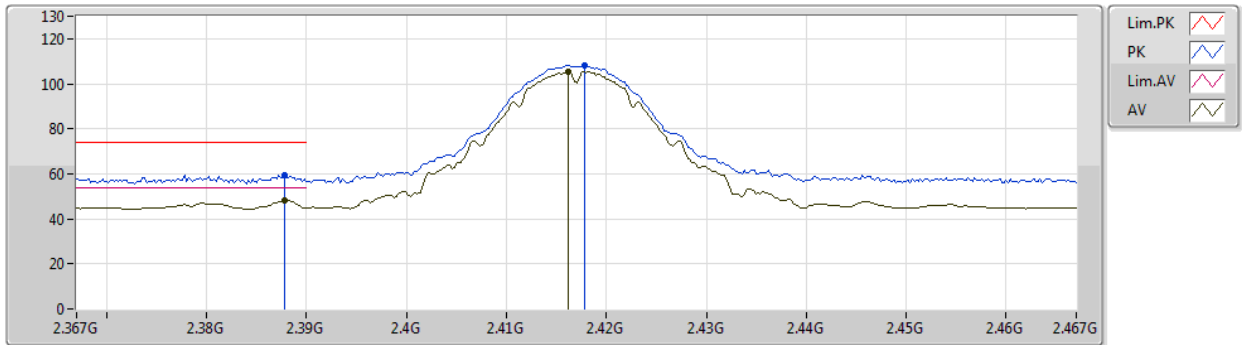


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	52.80	54.00	-1.20	32.73	3	Vertical	215	1.50	-	20.07	27.65	5.08	-
AV	2.4162G	109.82	Inf	-Inf	32.72	3	Vertical	215	1.50	-	77.10	27.60	5.12	-
PK	2.3776G	61.37	74.00	-12.63	32.75	3	Vertical	215	1.50	-	28.62	27.69	5.06	-
PK	2.4178G	112.70	Inf	-Inf	32.73	3	Vertical	215	1.50	-	79.97	27.60	5.13	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2417MHz_TX

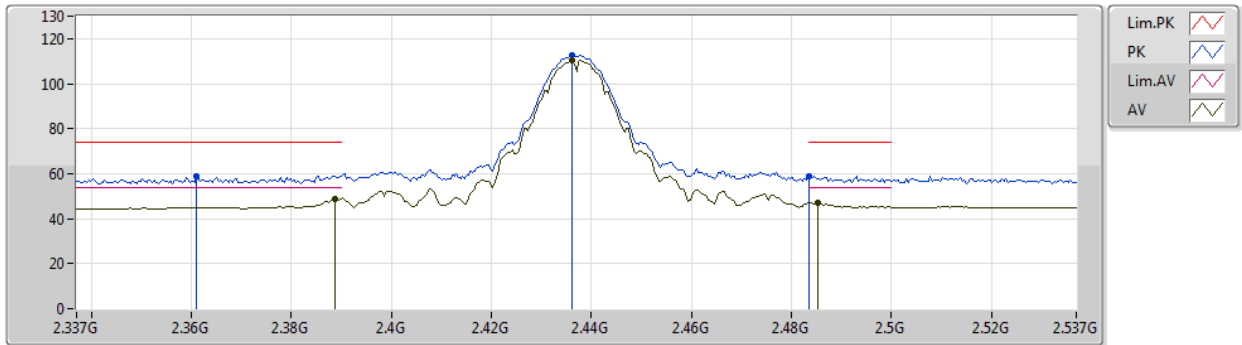


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	48.36	54.00	-5.64	32.73	3	Horizontal	323	2.49	-	15.63	27.65	5.08	-
AV	2.4162G	105.46	Inf	-Inf	32.72	3	Horizontal	323	2.49	-	72.74	27.60	5.12	-
PK	2.3878G	59.65	74.00	-14.35	32.73	3	Horizontal	323	2.49	-	26.92	27.65	5.08	-
PK	2.4178G	108.27	Inf	-Inf	32.73	3	Horizontal	323	2.49	-	75.54	27.60	5.13	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2437MHz_TX

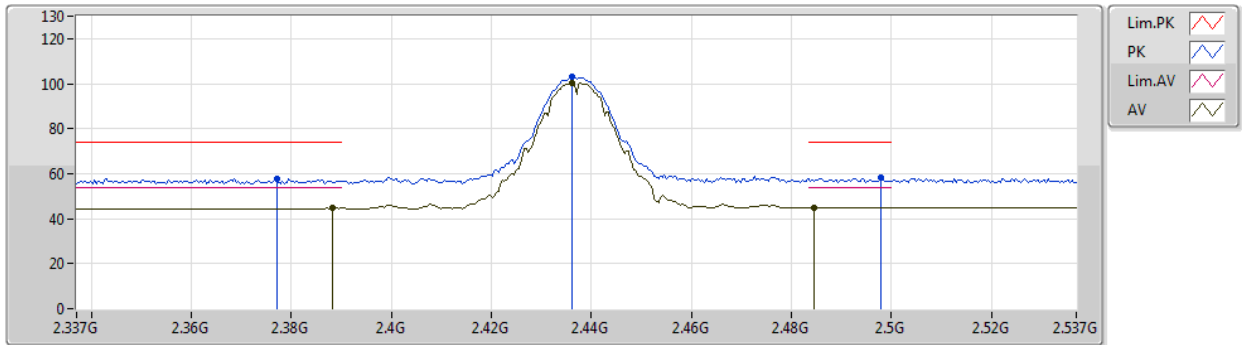


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	48.83	54.00	-5.17	32.73	3	Vertical	185	1.50	-	16.10	27.65	5.08	-
AV	2.4362G	110.42	Inf	-Inf	32.75	3	Vertical	185	1.50	-	77.67	27.60	5.15	-
AV	2.4854G	47.02	54.00	-6.98	32.83	3	Vertical	185	1.50	-	14.19	27.60	5.23	-
PK	2.361G	59.09	74.00	-14.91	32.78	3	Vertical	185	1.50	-	26.31	27.76	5.02	-
PK	2.4362G	112.62	Inf	-Inf	32.75	3	Vertical	185	1.50	-	79.87	27.60	5.15	-
PK	2.4835G	58.82	74.00	-15.18	32.83	3	Vertical	185	1.50	-	25.99	27.60	5.23	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2437MHz_TX

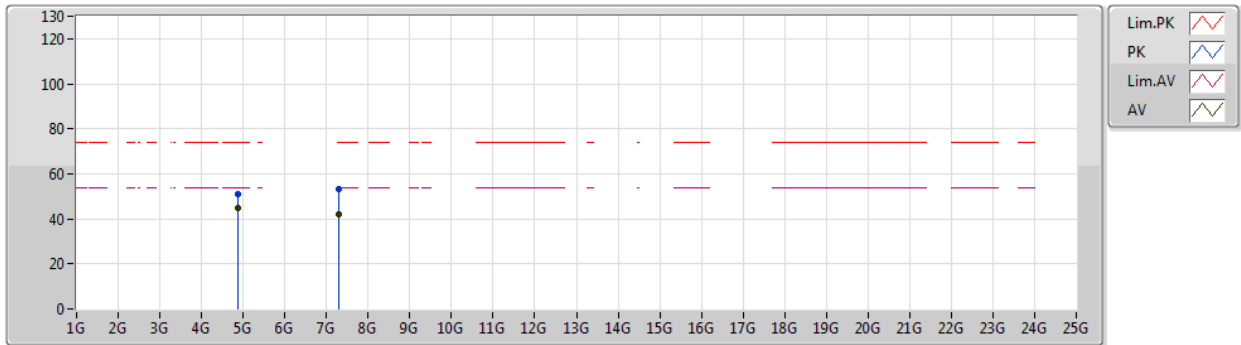


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	44.77	54.00	-9.23	32.73	3	Horizontal	241	1.50	-	12.04	27.65	5.08	-
AV	2.4362G	100.50	Inf	-Inf	32.75	3	Horizontal	241	1.50	-	67.75	27.60	5.15	-
AV	2.4846G	44.96	54.00	-9.04	32.83	3	Horizontal	241	1.50	-	12.13	27.60	5.23	-
PK	2.377G	57.63	74.00	-16.37	32.74	3	Horizontal	241	1.50	-	24.89	27.69	5.05	-
PK	2.4362G	102.89	Inf	-Inf	32.75	3	Horizontal	241	1.50	-	70.14	27.60	5.15	-
PK	2.4978G	58.19	74.00	-15.81	32.85	3	Horizontal	241	1.50	-	25.34	27.60	5.25	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2437MHz_TX

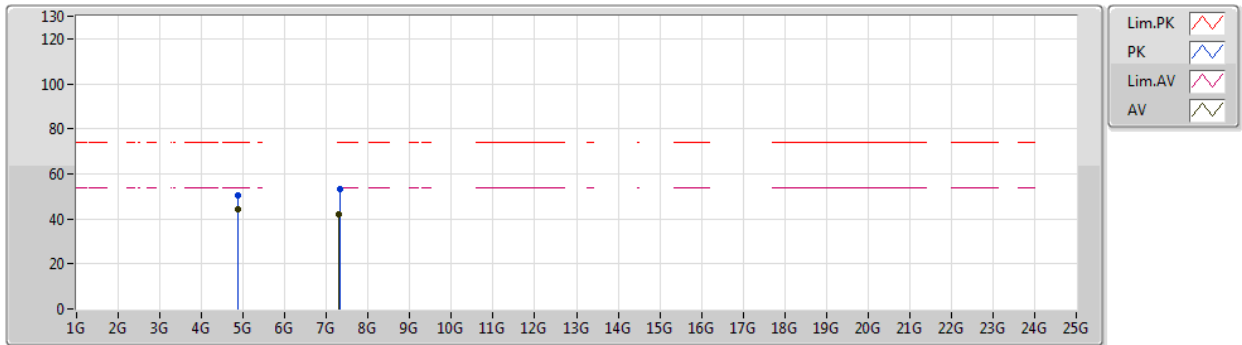


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87397G	44.67	54.00	-9.33	4.34	3	Vertical	283	2.27	-	40.33	31.25	7.37	34.28
AV	7.3101G	41.96	54.00	-12.04	10.59	3	Vertical	119	2.16	-	31.37	36.58	8.60	34.59
PK	4.87388G	50.75	74.00	-23.25	4.34	3	Vertical	283	2.27	-	46.41	31.25	7.37	34.28
PK	7.3093G	53.11	74.00	-20.89	10.59	3	Vertical	119	2.16	-	42.52	36.58	8.60	34.59

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2437MHz_TX

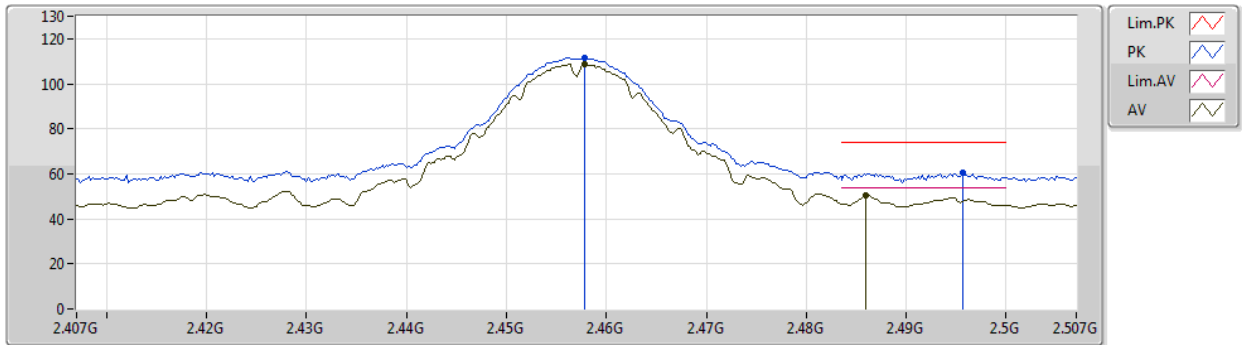


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87397G	44.30	54.00	-9.70	4.34	3	Horizontal	336	2.32	-	39.96	31.25	7.37	34.28
AV	7.3101G	41.97	54.00	-12.03	10.59	3	Horizontal	317	2.21	-	31.38	36.58	8.60	34.59
PK	4.87409G	50.57	74.00	-23.43	4.34	3	Horizontal	336	2.32	-	46.23	31.25	7.37	34.28
PK	7.31198G	53.39	74.00	-20.61	10.59	3	Horizontal	317	2.21	-	42.80	36.58	8.60	34.59

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2457MHz_TX

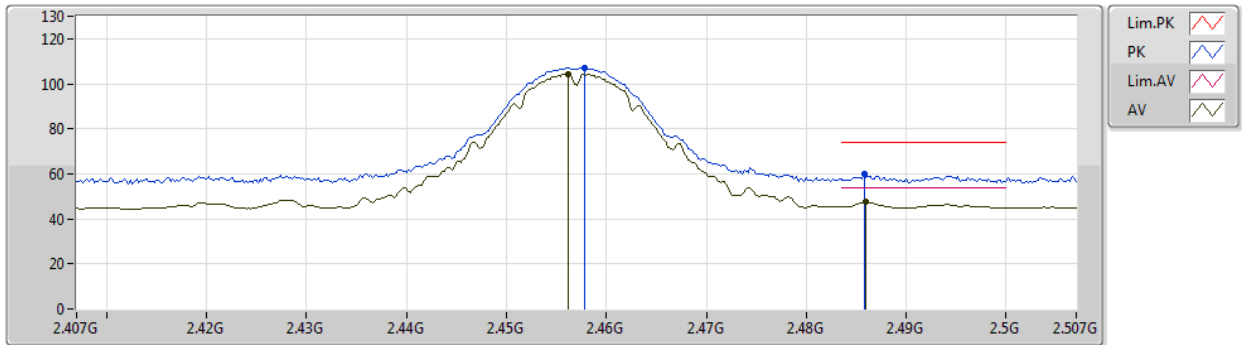


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	108.65	Inf	-Inf	32.79	3	Vertical	169	1.50	-	75.86	27.60	5.19	-
AV	2.486G	50.27	54.00	-3.73	32.83	3	Vertical	169	1.50	-	17.44	27.60	5.23	-
PK	2.4578G	111.58	Inf	-Inf	32.79	3	Vertical	169	1.50	-	78.79	27.60	5.19	-
PK	2.4956G	60.33	74.00	-13.67	32.84	3	Vertical	169	1.50	-	27.49	27.60	5.24	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2457MHz_TX

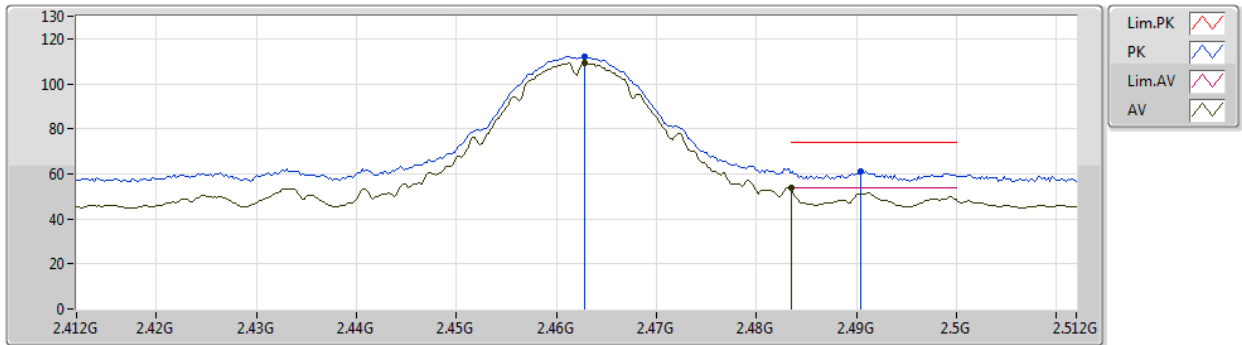


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	104.48	Inf	-Inf	32.78	3	Horizontal	327	2.72	-	71.70	27.60	5.18	-
AV	2.486G	47.36	54.00	-6.64	32.83	3	Horizontal	327	2.72	-	14.53	27.60	5.23	-
PK	2.4578G	107.19	Inf	-Inf	32.79	3	Horizontal	327	2.72	-	74.40	27.60	5.19	-
PK	2.4858G	59.74	74.00	-14.26	32.83	3	Horizontal	327	2.72	-	26.91	27.60	5.23	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2462MHz_TX

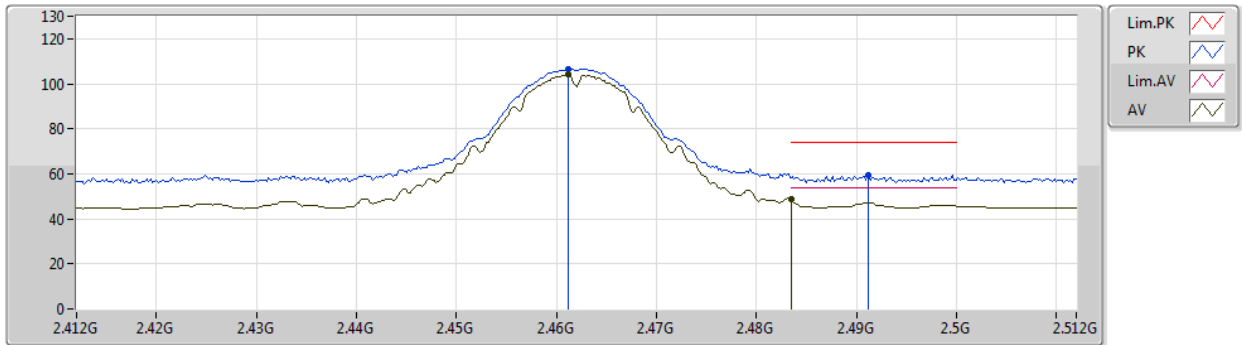


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	109.14	Inf	-Inf	32.79	3	Vertical	176	1.50	-	76.35	27.60	5.19	-
AV	2.4835G	53.62	54.00	-0.38	32.83	3	Vertical	176	1.50	-	20.79	27.60	5.23	-
PK	2.4628G	112.07	Inf	-Inf	32.79	3	Vertical	176	1.50	-	79.28	27.60	5.19	-
PK	2.4904G	61.13	74.00	-12.87	32.84	3	Vertical	176	1.50	-	28.29	27.60	5.24	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2462MHz_TX

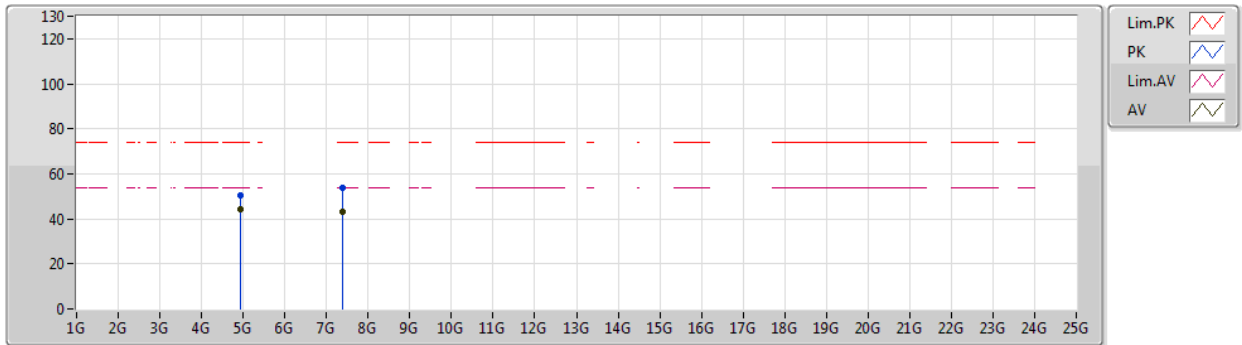


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	104.03	Inf	-Inf	32.79	3	Horizontal	338	2.45	-	71.24	27.60	5.19	-
AV	2.4835G	48.61	54.00	-5.39	32.83	3	Horizontal	338	2.45	-	15.78	27.60	5.23	-
PK	2.4612G	106.74	Inf	-Inf	32.79	3	Horizontal	338	2.45	-	73.95	27.60	5.19	-
PK	2.4912G	59.16	74.00	-14.84	32.84	3	Horizontal	338	2.45	-	26.32	27.60	5.24	-

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2462MHz_TX

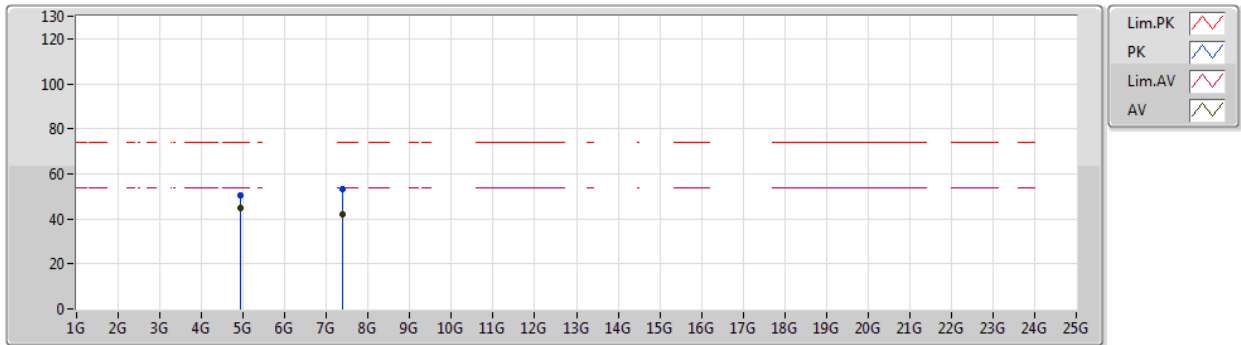


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92394G	44.32	54.00	-9.68	4.50	3	Vertical	329	2.22	-	39.82	31.30	7.42	34.22
AV	7.38516G	43.17	54.00	-10.83	10.44	3	Vertical	323	3.00	-	32.73	36.43	8.60	34.59
PK	4.92396G	50.19	74.00	-23.81	4.50	3	Vertical	329	2.22	-	45.69	31.30	7.42	34.22
PK	7.38682G	53.90	74.00	-20.10	10.44	3	Vertical	323	3.00	-	43.46	36.43	8.60	34.59

802.11b_Nss1,(1Mbps)_2TX

10/07/2020

2462MHz_TX

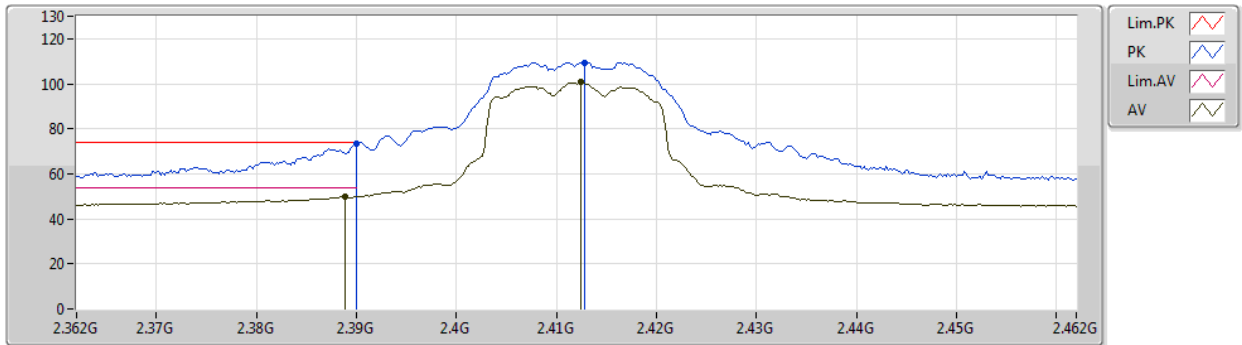


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92396G	44.57	54.00	-9.43	4.50	3	Horizontal	337	2.28	-	40.07	31.30	7.42	34.22
AV	7.38512G	42.02	54.00	-11.98	10.44	3	Horizontal	319	2.21	-	31.58	36.43	8.60	34.59
PK	4.92404G	50.42	74.00	-23.58	4.50	3	Horizontal	337	2.28	-	45.92	31.30	7.42	34.22
PK	7.38466G	53.03	74.00	-20.97	10.44	3	Horizontal	319	2.21	-	42.59	36.43	8.60	34.59

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2412MHz_TX

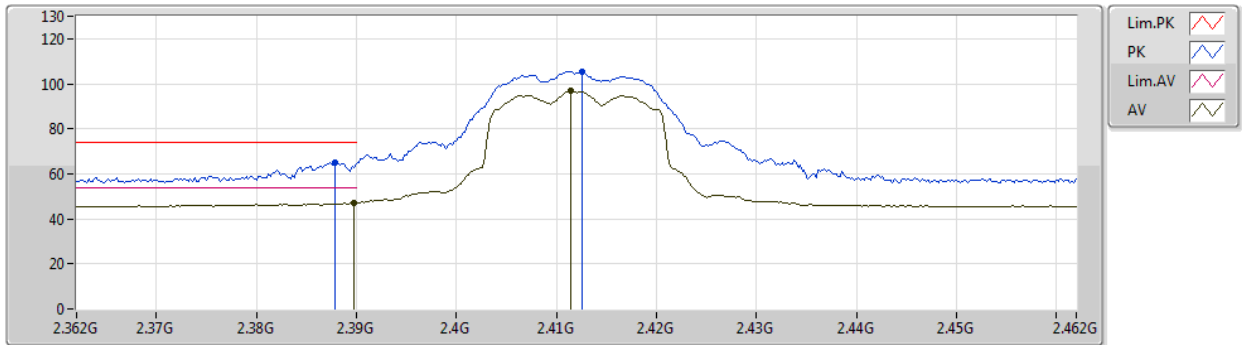


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	49.76	54.00	-4.24	32.72	3	Vertical	215	1.50	-	17.04	27.64	5.08	-
AV	2.4124G	100.67	Inf	-Inf	32.72	3	Vertical	215	1.50	-	67.95	27.60	5.12	-
PK	2.39G	73.23	74.00	-0.77	32.72	3	Vertical	215	1.50	-	40.51	27.64	5.08	-
PK	2.4128G	109.52	Inf	-Inf	32.72	3	Vertical	215	1.50	-	76.80	27.60	5.12	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2412MHz_TX

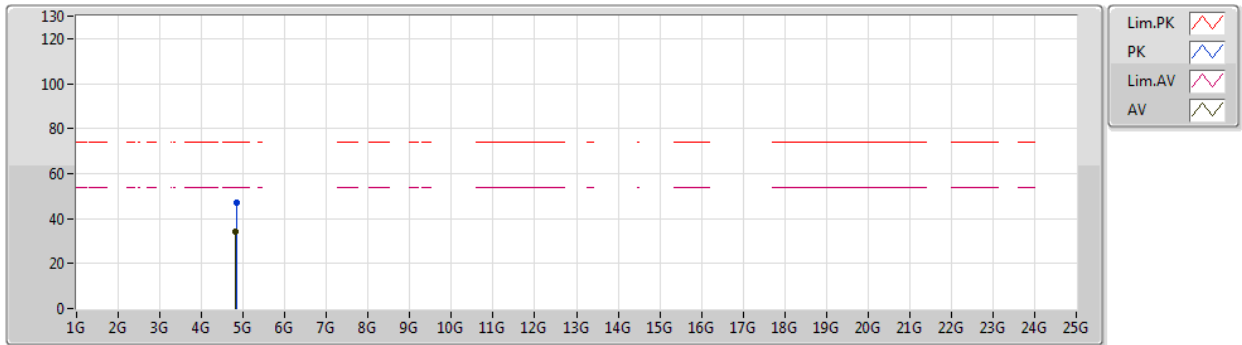


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	47.13	54.00	-6.87	32.72	3	Horizontal	321	2.53	-	14.41	27.64	5.08	-
AV	2.4114G	97.03	Inf	-Inf	32.72	3	Horizontal	321	2.53	-	64.31	27.60	5.12	-
PK	2.3878G	65.22	74.00	-8.78	32.73	3	Horizontal	321	2.53	-	32.49	27.65	5.08	-
PK	2.4126G	105.59	Inf	-Inf	32.72	3	Horizontal	321	2.53	-	72.87	27.60	5.12	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2412MHz_TX

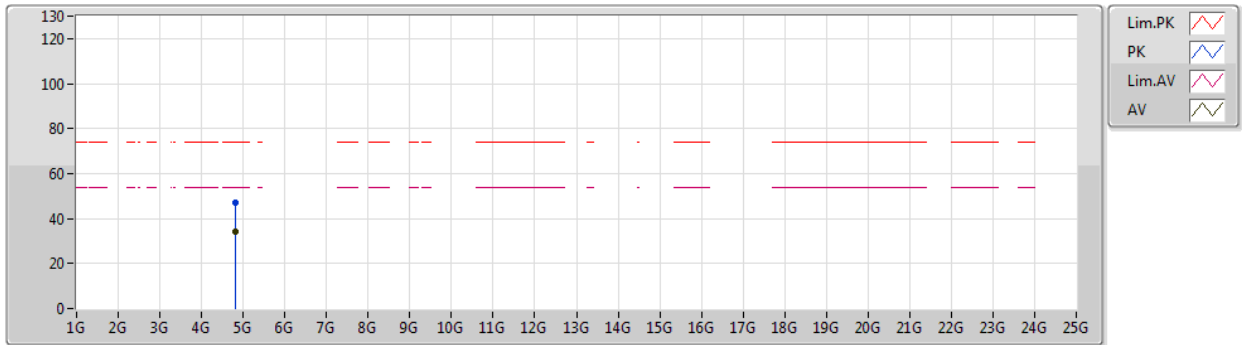


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82364G	34.40	54.00	-19.60	4.22	3	Vertical	241	2.44	-	30.18	31.19	7.32	34.29
PK	4.82864G	47.30	74.00	-26.70	4.25	3	Vertical	241	2.44	-	43.05	31.21	7.33	34.29

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2412MHz_TX

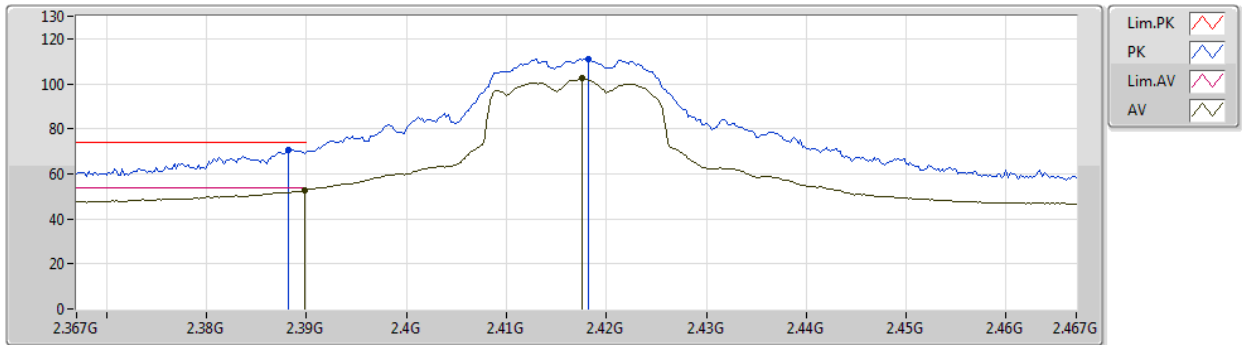


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82336G	34.26	54.00	-19.74	4.22	3	Horizontal	320	2.19	-	30.04	31.19	7.32	34.29
PK	4.82428G	46.90	74.00	-27.10	4.23	3	Horizontal	320	2.19	-	42.67	31.20	7.32	34.29

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2417MHz_TX

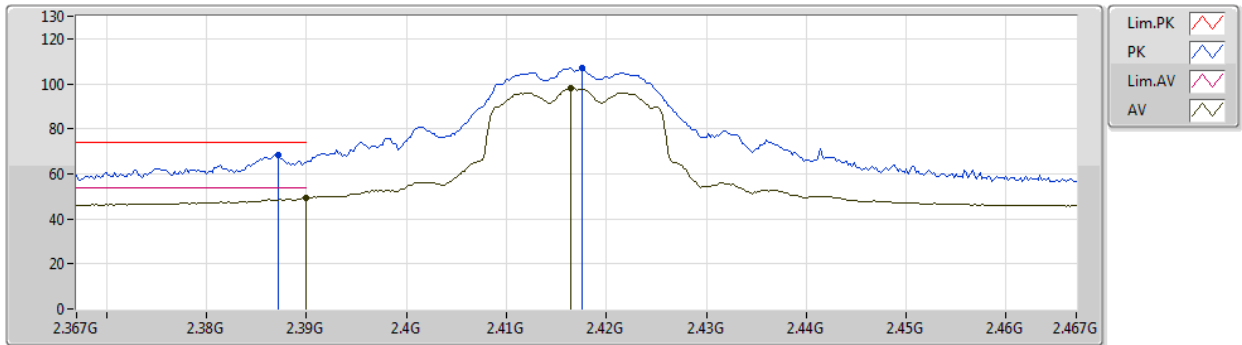


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.89	54.00	-1.11	32.72	3	Vertical	226	1.50	-	20.17	27.64	5.08	-
AV	2.4176G	102.40	Inf	-Inf	32.73	3	Vertical	226	1.50	-	69.67	27.60	5.13	-
PK	2.3882G	70.77	74.00	-3.23	32.73	3	Vertical	226	1.50	-	38.04	27.65	5.08	-
PK	2.4182G	111.22	Inf	-Inf	32.73	3	Vertical	226	1.50	-	78.49	27.60	5.13	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2417MHz_TX

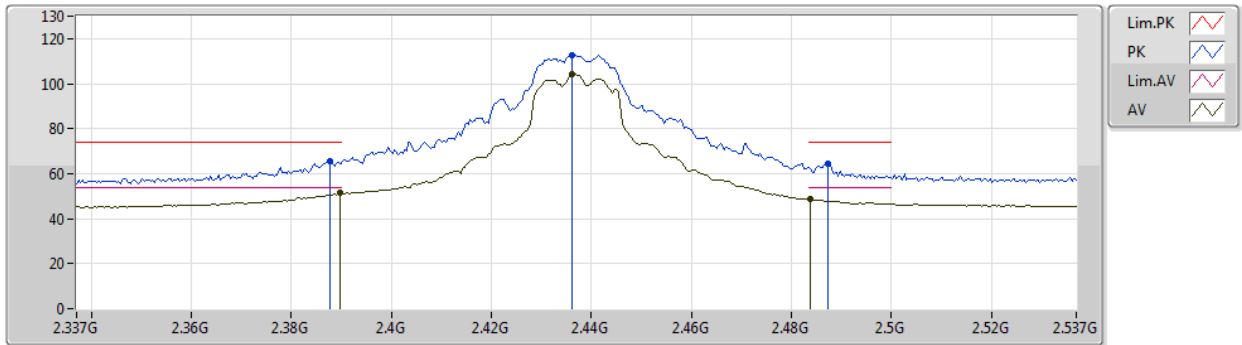


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.25	54.00	-4.75	32.72	3	Horizontal	319	2.48	-	16.53	27.64	5.08	-
AV	2.4164G	98.22	Inf	-Inf	32.72	3	Horizontal	319	2.48	-	65.50	27.60	5.12	-
PK	2.3872G	68.26	74.00	-5.74	32.72	3	Horizontal	319	2.48	-	35.54	27.65	5.07	-
PK	2.4176G	106.83	Inf	-Inf	32.73	3	Horizontal	319	2.48	-	74.10	27.60	5.13	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2437MHz_TX

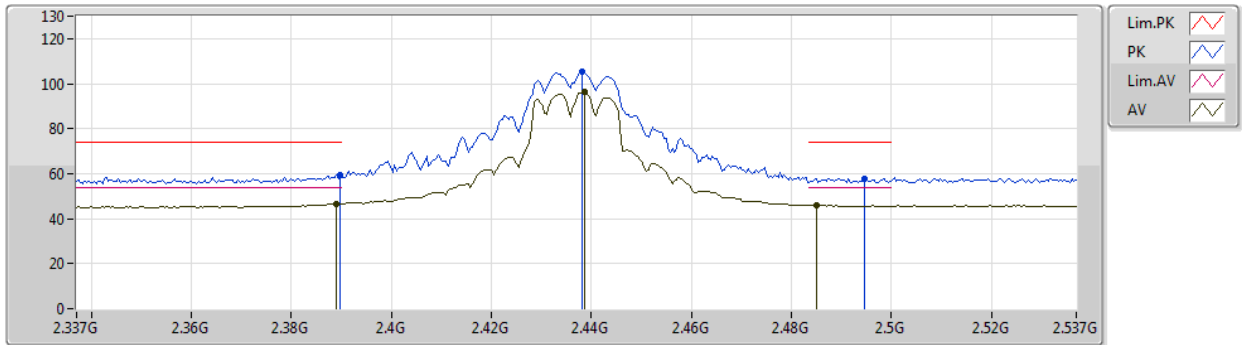


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	51.28	54.00	-2.72	32.72	3	Vertical	181	1.50	-	18.56	27.64	5.08	-
AV	2.4362G	104.32	Inf	-Inf	32.75	3	Vertical	181	1.50	-	71.57	27.60	5.15	-
AV	2.4838G	48.63	54.00	-5.37	32.83	3	Vertical	181	1.50	-	15.80	27.60	5.23	-
PK	2.3878G	65.68	74.00	-8.32	32.73	3	Vertical	181	1.50	-	32.95	27.65	5.08	-
PK	2.4362G	112.88	Inf	-Inf	32.75	3	Vertical	181	1.50	-	80.13	27.60	5.15	-
PK	2.4874G	64.22	74.00	-9.78	32.83	3	Vertical	181	1.50	-	31.39	27.60	5.23	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2437MHz_TX

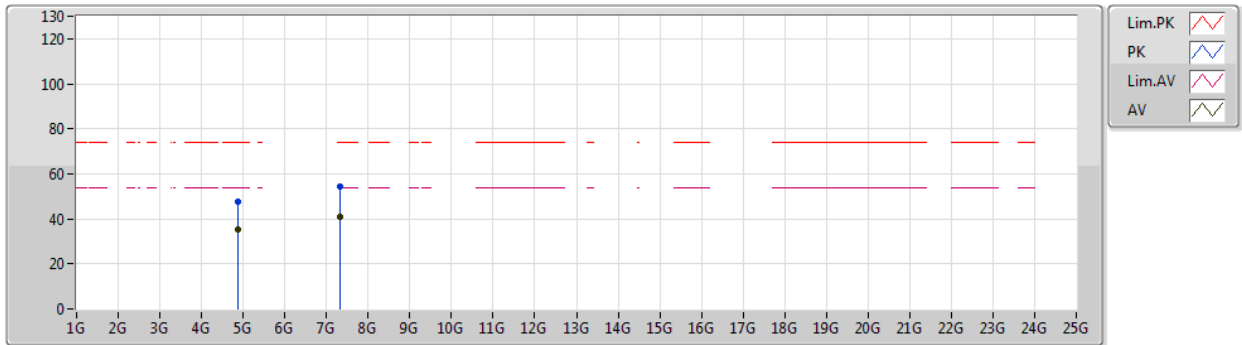


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	46.61	54.00	-7.39	32.72	3	Horizontal	216	1.50	-	13.89	27.64	5.08	-
AV	2.4386G	96.16	Inf	-Inf	32.76	3	Horizontal	216	1.50	-	63.40	27.60	5.16	-
AV	2.485G	46.03	54.00	-7.97	32.83	3	Horizontal	216	1.50	-	13.20	27.60	5.23	-
PK	2.3898G	59.43	74.00	-14.57	32.72	3	Horizontal	216	1.50	-	26.71	27.64	5.08	-
PK	2.4382G	105.16	Inf	-Inf	32.76	3	Horizontal	216	1.50	-	72.40	27.60	5.16	-
PK	2.4946G	57.99	74.00	-16.01	32.84	3	Horizontal	216	1.50	-	25.15	27.60	5.24	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2437MHz_TX

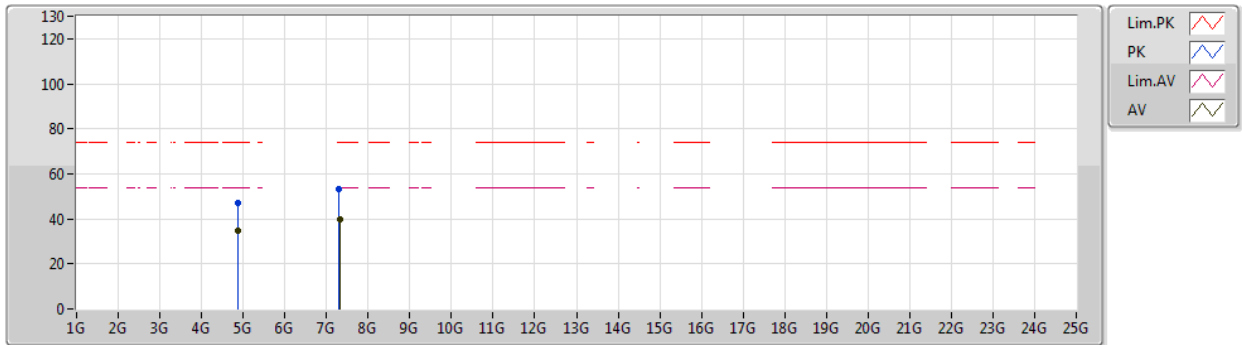


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87464G	35.12	54.00	-18.88	4.34	3	Vertical	288	2.61	-	30.78	31.25	7.37	34.28
AV	7.31374G	40.64	54.00	-13.36	10.58	3	Vertical	232	2.99	-	30.06	36.57	8.60	34.59
PK	4.87488G	47.79	74.00	-26.21	4.34	3	Vertical	288	2.61	-	43.45	31.25	7.37	34.28
PK	7.314G	54.46	74.00	-19.54	10.58	3	Vertical	232	2.99	-	43.88	36.57	8.60	34.59

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2437MHz_TX

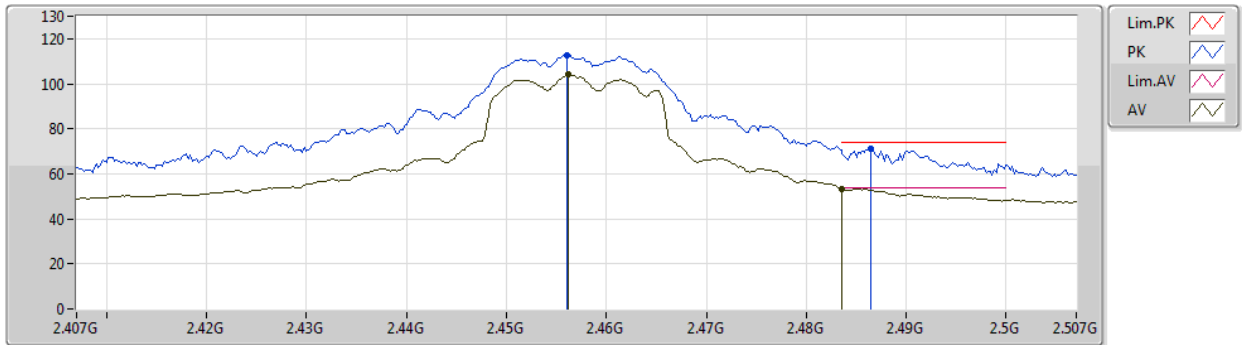


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87396G	34.98	54.00	-19.02	4.34	3	Horizontal	336	2.48	-	30.64	31.25	7.37	34.28
AV	7.31178G	39.82	54.00	-14.18	10.59	3	Horizontal	315	2.92	-	29.23	36.58	8.60	34.59
PK	4.87236G	47.31	74.00	-26.69	4.35	3	Horizontal	336	2.48	-	42.96	31.26	7.37	34.28
PK	7.30828G	52.96	74.00	-21.04	10.59	3	Horizontal	315	2.92	-	42.37	36.58	8.60	34.59

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2457MHz_TX

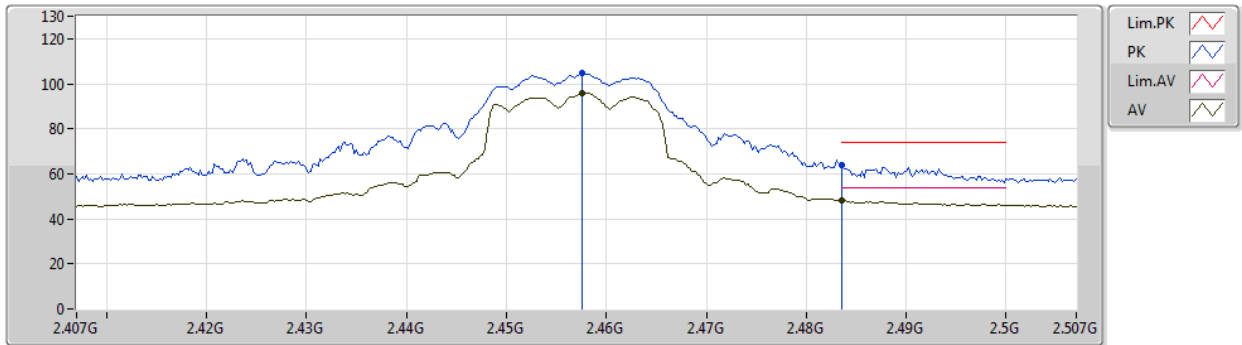


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	104.06	Inf	-Inf	32.78	3	Vertical	184	1.77	-	71.28	27.60	5.18	-
AV	2.4835G	53.45	54.00	-0.55	32.83	3	Vertical	184	1.77	-	20.62	27.60	5.23	-
PK	2.456G	112.59	Inf	-Inf	32.78	3	Vertical	184	1.77	-	79.81	27.60	5.18	-
PK	2.4864G	71.19	74.00	-2.81	32.83	3	Vertical	184	1.77	-	38.36	27.60	5.23	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2457MHz_TX

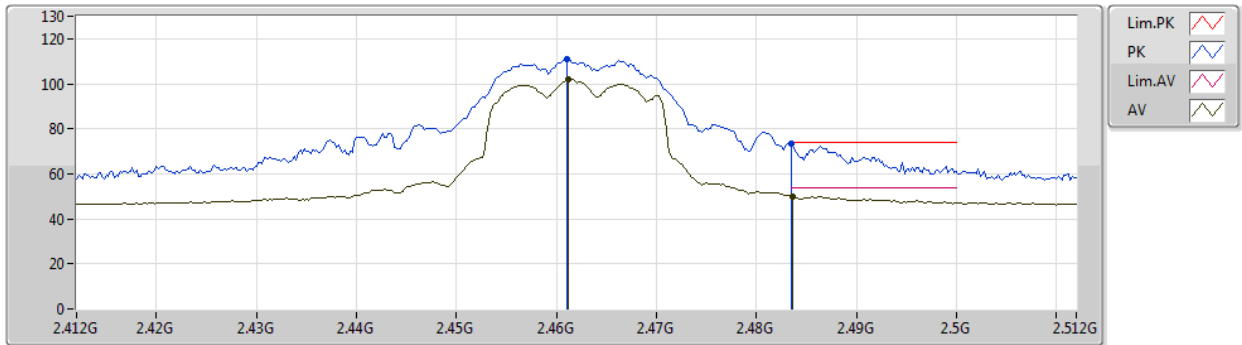


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4576G	96.04	Inf	-Inf	32.79	3	Horizontal	241	1.00	-	63.25	27.60	5.19	-
AV	2.4835G	48.31	54.00	-5.69	32.83	3	Horizontal	241	1.00	-	15.48	27.60	5.23	-
PK	2.4576G	104.93	Inf	-Inf	32.79	3	Horizontal	241	1.00	-	72.14	27.60	5.19	-
PK	2.4835G	63.90	74.00	-10.10	32.83	3	Horizontal	241	1.00	-	31.07	27.60	5.23	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2462MHz_TX

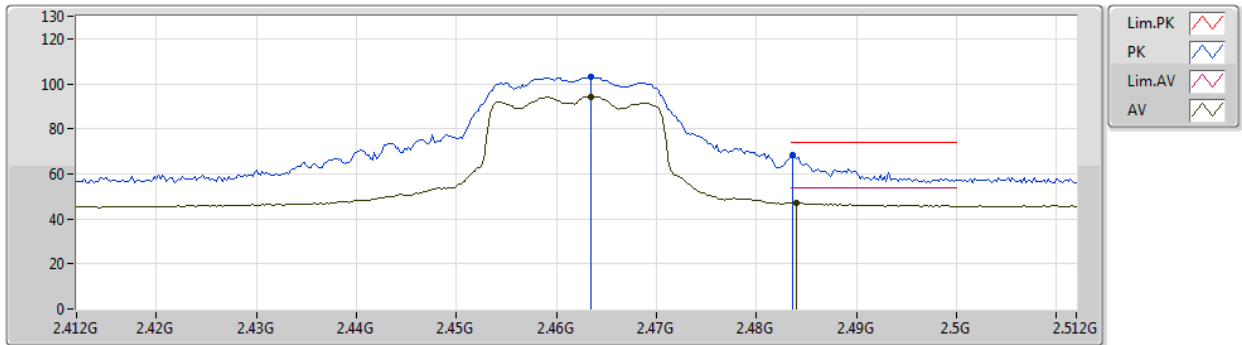


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	101.98	Inf	-Inf	32.79	3	Vertical	194	1.81	-	69.19	27.60	5.19	-
AV	2.4836G	49.87	54.00	-4.13	32.83	3	Vertical	194	1.81	-	17.04	27.60	5.23	-
PK	2.461G	110.68	Inf	-Inf	32.79	3	Vertical	194	1.81	-	77.89	27.60	5.19	-
PK	2.4835G	73.43	74.00	-0.57	32.83	3	Vertical	194	1.81	-	40.60	27.60	5.23	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2462MHz_TX

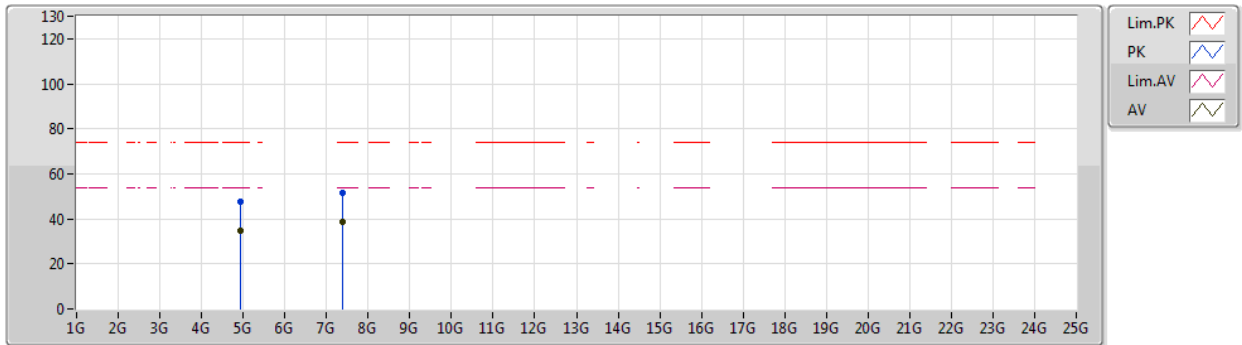


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4634G	94.40	Inf	-Inf	32.80	3	Horizontal	65	2.66	-	61.60	27.60	5.20	-
AV	2.484G	46.98	54.00	-7.02	32.83	3	Horizontal	65	2.66	-	14.15	27.60	5.23	-
PK	2.4634G	102.86	Inf	-Inf	32.80	3	Horizontal	65	2.66	-	70.06	27.60	5.20	-
PK	2.4836G	68.12	74.00	-5.88	32.83	3	Horizontal	65	2.66	-	35.29	27.60	5.23	-

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2462MHz_TX

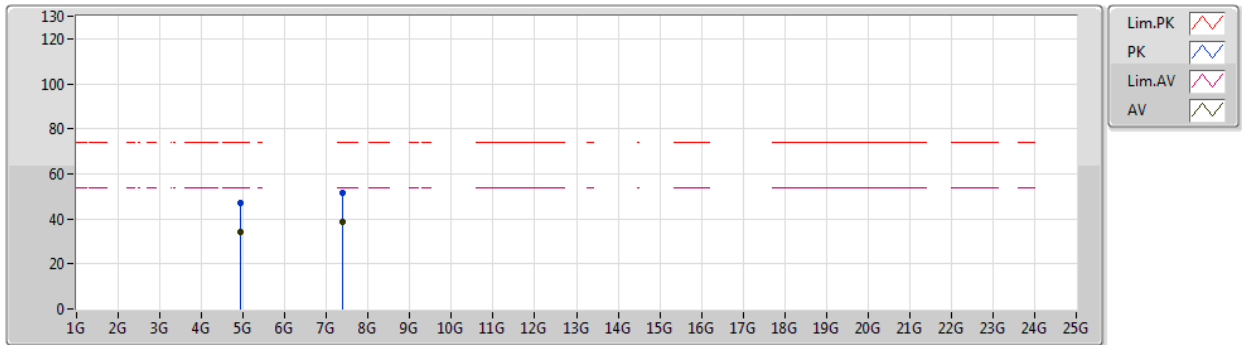


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92604G	34.83	54.00	-19.17	4.51	3	Vertical	4	2.12	-	30.32	31.30	7.43	34.22
AV	7.38834G	38.51	54.00	-15.49	10.43	3	Vertical	55	1.50	-	28.08	36.42	8.60	34.59
PK	4.92528G	47.38	74.00	-26.62	4.51	3	Vertical	4	2.12	-	42.87	31.30	7.43	34.22
PK	7.38918G	51.57	74.00	-22.43	10.43	3	Vertical	55	1.50	-	41.14	36.42	8.60	34.59

802.11g_Nss1,(6Mbps)_2TX

10/07/2020

2462MHz_TX

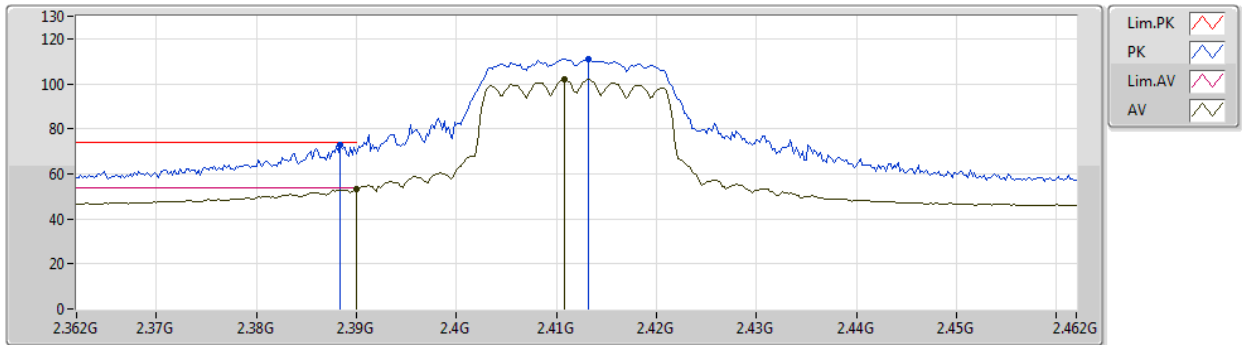


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92452G	34.31	54.00	-19.69	4.50	3	Horizontal	320	2.15	-	29.81	31.30	7.42	34.22
AV	7.38762G	38.53	54.00	-15.47	10.43	3	Horizontal	3	2.65	-	28.10	36.42	8.60	34.59
PK	4.92996G	47.21	74.00	-26.79	4.54	3	Horizontal	320	2.15	-	42.67	31.32	7.43	34.21
PK	7.38784G	51.48	74.00	-22.52	10.43	3	Horizontal	3	2.65	-	41.05	36.42	8.60	34.59

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2412MHz_TX

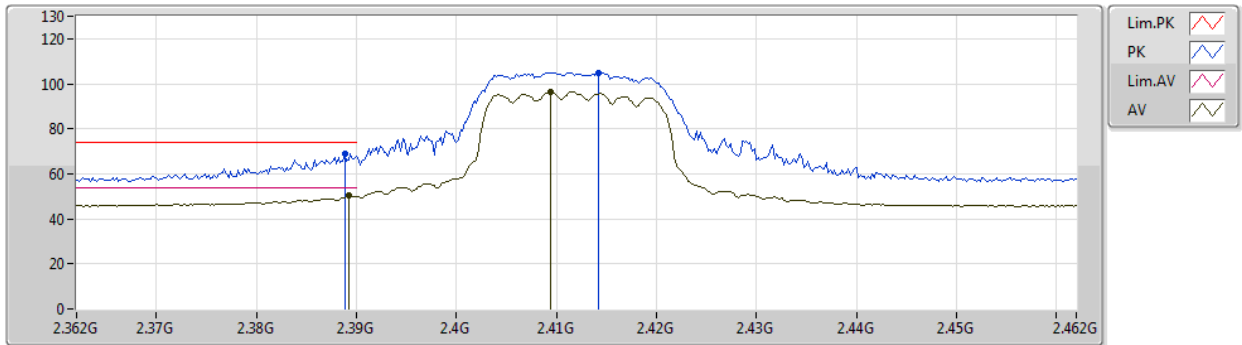


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.42	54.00	-0.58	32.72	3	Vertical	52	1.27	-	20.70	27.64	5.08	-
AV	2.4108G	101.95	Inf	-Inf	32.72	3	Vertical	52	1.27	-	69.23	27.60	5.12	-
PK	2.3884G	73.05	74.00	-0.95	32.73	3	Vertical	52	1.27	-	40.32	27.65	5.08	-
PK	2.4132G	111.18	Inf	-Inf	32.72	3	Vertical	52	1.27	-	78.46	27.60	5.12	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2412MHz_TX

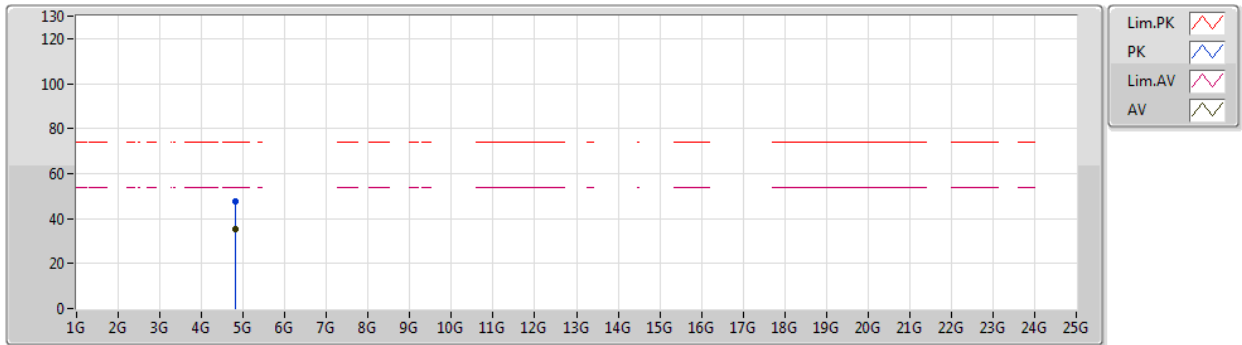


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	50.20	54.00	-3.80	32.72	3	Horizontal	322	1.00	-	17.48	27.64	5.08	-
AV	2.4094G	96.38	Inf	-Inf	32.71	3	Horizontal	322	1.00	-	63.67	27.60	5.11	-
PK	2.3888G	69.19	74.00	-4.81	32.72	3	Horizontal	322	1.00	-	36.47	27.64	5.08	-
PK	2.4142G	105.02	Inf	-Inf	32.72	3	Horizontal	322	1.00	-	72.30	27.60	5.12	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2412MHz_TX

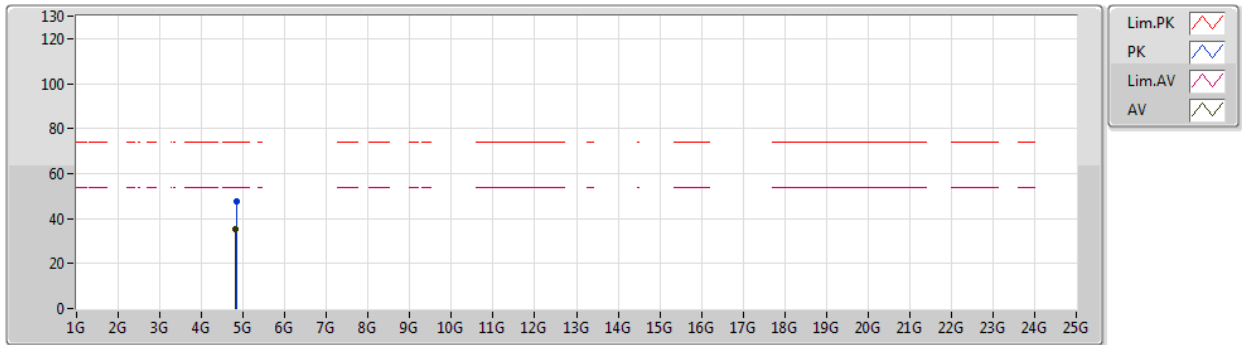


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82716G	35.03	54.00	-18.97	8.01	3	Vertical	337	1.61	-	27.02	31.21	7.33	30.53
PK	4.81924G	47.81	74.00	-26.19	7.97	3	Vertical	337	1.61	-	39.84	31.18	7.32	30.53

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2412MHz_TX

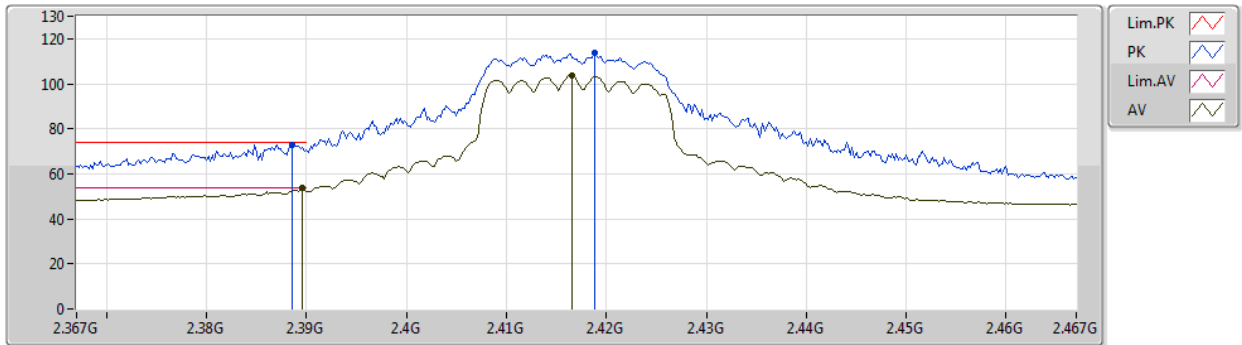


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82692G	35.12	54.00	-18.88	8.01	3	Horizontal	335	2.85	-	27.11	31.21	7.33	30.53
PK	4.8286G	47.41	74.00	-26.59	8.01	3	Horizontal	335	2.85	-	39.40	31.21	7.33	30.53

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2417MHz_TX

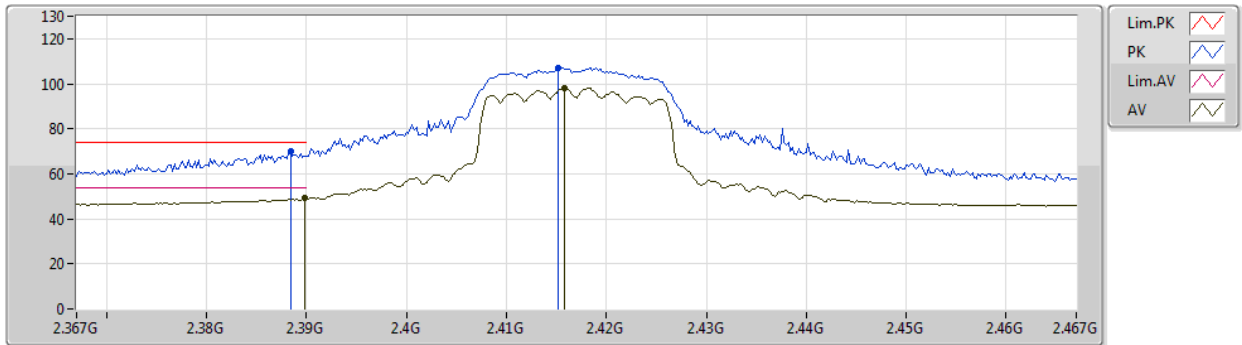


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	53.57	54.00	-0.43	32.72	3	Vertical	64	2.81	-	20.85	27.64	5.08	-
AV	2.4166G	103.61	Inf	-Inf	32.72	3	Vertical	64	2.81	-	70.89	27.60	5.12	-
PK	2.3886G	73.00	74.00	-1.00	32.73	3	Vertical	64	2.81	-	40.27	27.65	5.08	-
PK	2.4188G	113.50	Inf	-Inf	32.73	3	Vertical	64	2.81	-	80.77	27.60	5.13	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2417MHz_TX

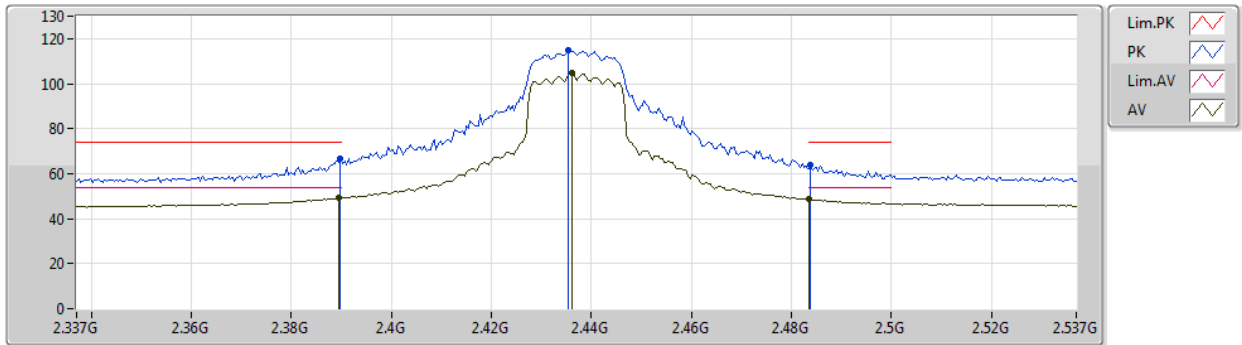


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.25	54.00	-4.75	32.72	3	Horizontal	324	1.19	-	16.53	27.64	5.08	-
AV	2.4158G	98.23	Inf	-Inf	32.72	3	Horizontal	324	1.19	-	65.51	27.60	5.12	-
PK	2.3884G	70.09	74.00	-3.91	32.73	3	Horizontal	324	1.19	-	37.36	27.65	5.08	-
PK	2.4152G	107.11	Inf	-Inf	32.72	3	Horizontal	324	1.19	-	74.39	27.60	5.12	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2437MHz_TX

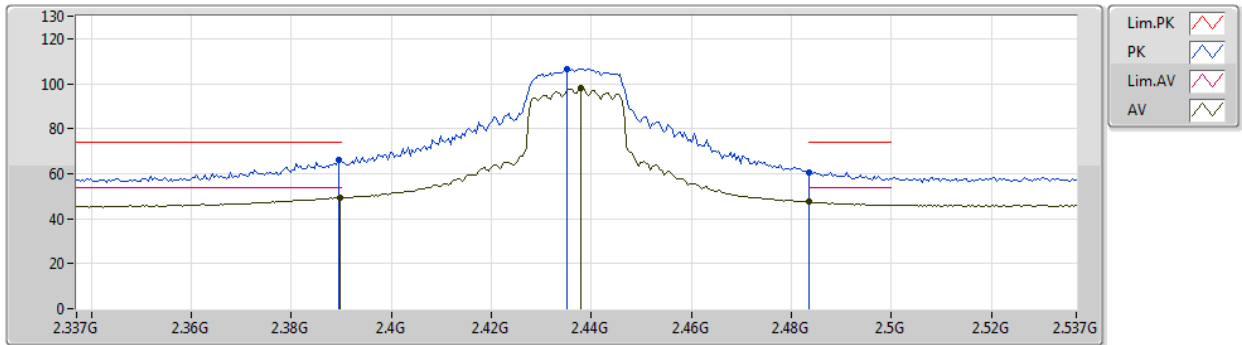


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	49.09	54.00	-4.91	32.72	3	Vertical	172	1.30	-	16.37	27.64	5.08	-
AV	2.4362G	104.71	Inf	-Inf	32.75	3	Vertical	172	1.30	-	71.96	27.60	5.15	-
AV	2.4835G	48.60	54.00	-5.40	32.83	3	Vertical	172	1.30	-	15.77	27.60	5.23	-
PK	2.3898G	66.59	74.00	-7.41	32.72	3	Vertical	172	1.30	-	33.87	27.64	5.08	-
PK	2.4354G	114.86	Inf	-Inf	32.75	3	Vertical	172	1.30	-	82.11	27.60	5.15	-
PK	2.4838G	63.85	74.00	-10.15	32.83	3	Vertical	172	1.30	-	31.02	27.60	5.23	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2437MHz_TX

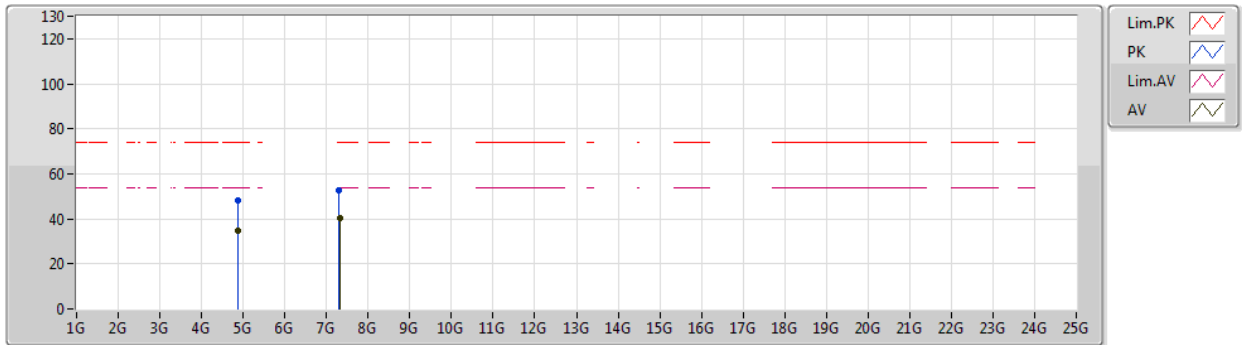


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.31	54.00	-4.69	32.72	3	Horizontal	324	1.62	-	16.59	27.64	5.08	-
AV	2.4378G	98.20	Inf	-Inf	32.76	3	Horizontal	324	1.62	-	65.44	27.60	5.16	-
AV	2.4835G	47.36	54.00	-6.64	32.83	3	Horizontal	324	1.62	-	14.53	27.60	5.23	-
PK	2.3894G	66.26	74.00	-7.74	32.72	3	Horizontal	324	1.62	-	33.54	27.64	5.08	-
PK	2.435G	106.73	Inf	-Inf	32.75	3	Horizontal	324	1.62	-	73.98	27.60	5.15	-
PK	2.4835G	60.51	74.00	-13.49	32.83	3	Horizontal	324	1.62	-	27.68	27.60	5.23	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2437MHz_TX

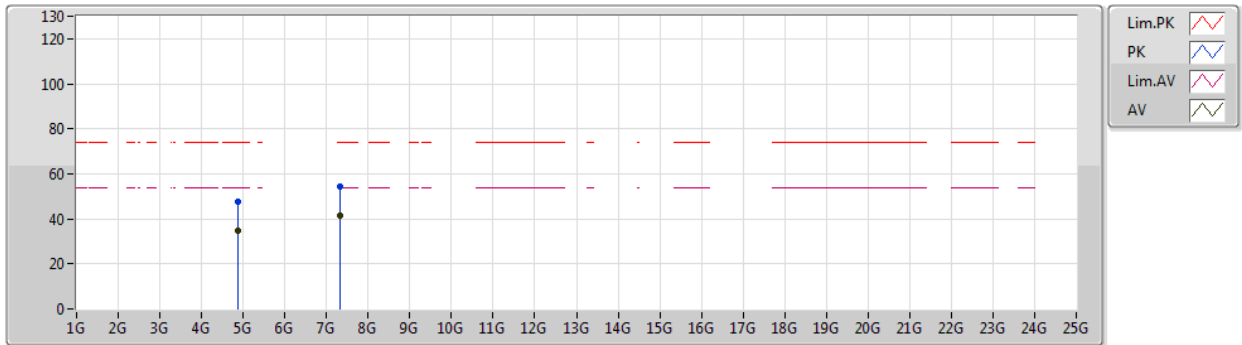


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87476G	34.90	54.00	-19.10	8.09	3	Vertical	360	1.92	-	26.81	31.25	7.37	30.53
AV	7.31092G	40.26	54.00	-13.74	13.86	3	Vertical	121	1.50	-	26.40	36.58	8.60	31.32
PK	4.87708G	48.43	74.00	-25.57	8.09	3	Vertical	360	1.92	-	40.34	31.25	7.38	30.54
PK	7.3078G	52.82	74.00	-21.18	13.86	3	Vertical	121	1.50	-	38.96	36.58	8.60	31.32

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2437MHz_TX

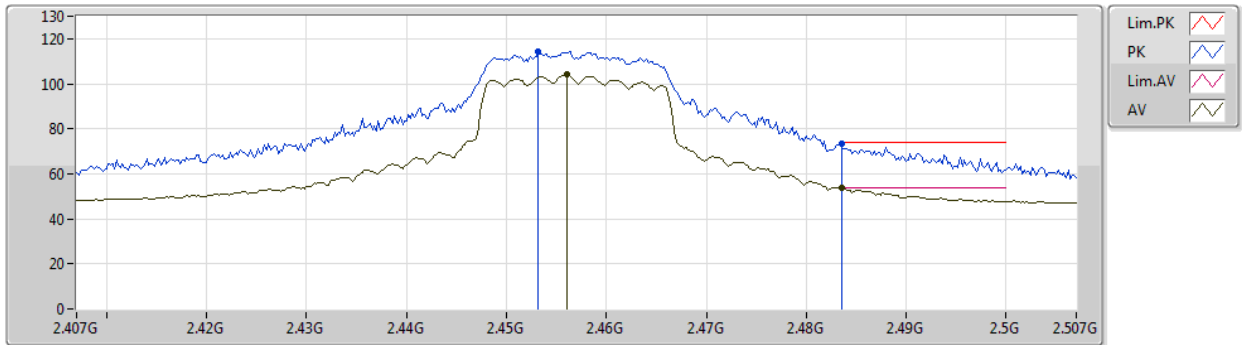


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87988G	34.51	54.00	-19.49	8.08	3	Horizontal	336	2.55	-	26.43	31.24	7.38	30.54
AV	7.31328G	41.48	54.00	-12.52	13.85	3	Horizontal	6	2.10	-	27.63	36.57	8.60	31.32
PK	4.86504G	47.52	74.00	-26.48	8.11	3	Horizontal	336	2.55	-	39.41	31.27	7.37	30.53
PK	7.31356G	54.54	74.00	-19.46	13.85	3	Horizontal	6	2.10	-	40.69	36.57	8.60	31.32

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2457MHz_TX

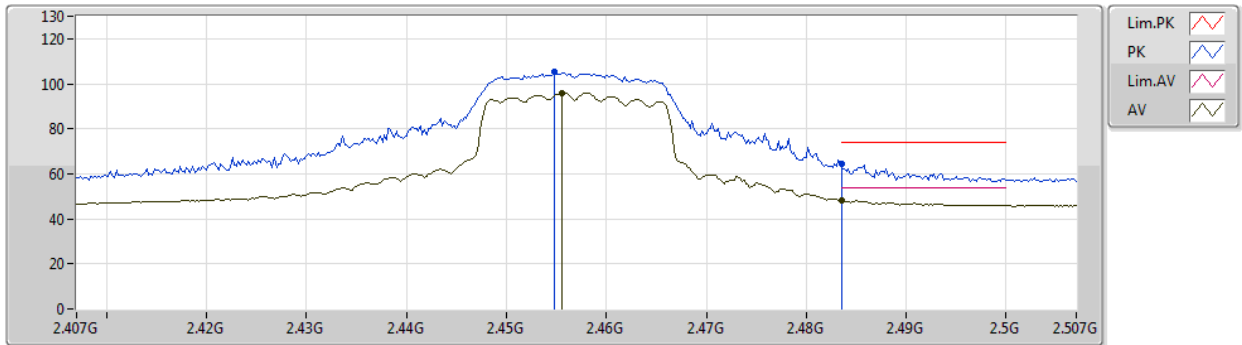


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.456G	104.24	Inf	-Inf	32.78	3	Vertical	147	1.55	-	71.46	27.60	5.18	-
AV	2.4835G	53.62	54.00	-0.38	32.83	3	Vertical	147	1.55	-	20.79	27.60	5.23	-
PK	2.4532G	114.58	Inf	-Inf	32.78	3	Vertical	147	1.55	-	81.80	27.60	5.18	-
PK	2.4835G	73.31	74.00	-0.69	32.83	3	Vertical	147	1.55	-	40.48	27.60	5.23	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2457MHz_TX

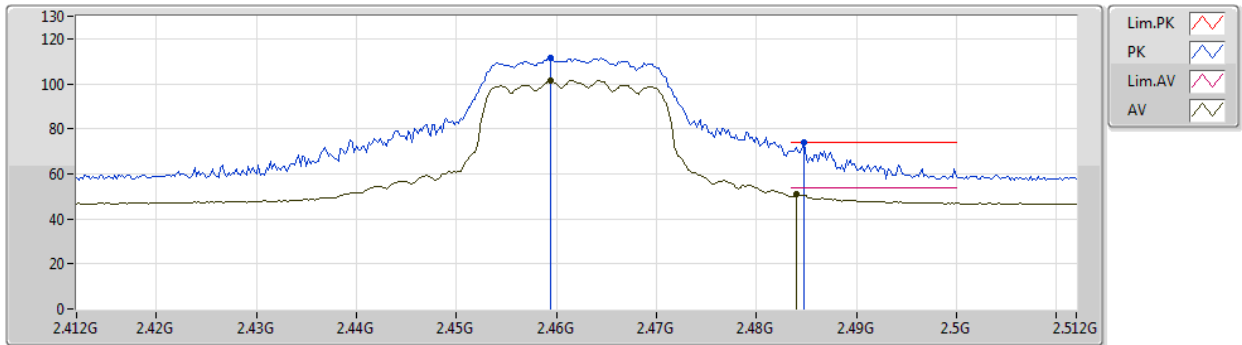


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4556G	96.01	Inf	-Inf	32.78	3	Horizontal	326	2.13	-	63.23	27.60	5.18	-
AV	2.4835G	48.30	54.00	-5.70	32.83	3	Horizontal	326	2.13	-	15.47	27.60	5.23	-
PK	2.4548G	105.29	Inf	-Inf	32.78	3	Horizontal	326	2.13	-	72.51	27.60	5.18	-
PK	2.4835G	64.68	74.00	-9.32	32.83	3	Horizontal	326	2.13	-	31.85	27.60	5.23	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2462MHz_TX

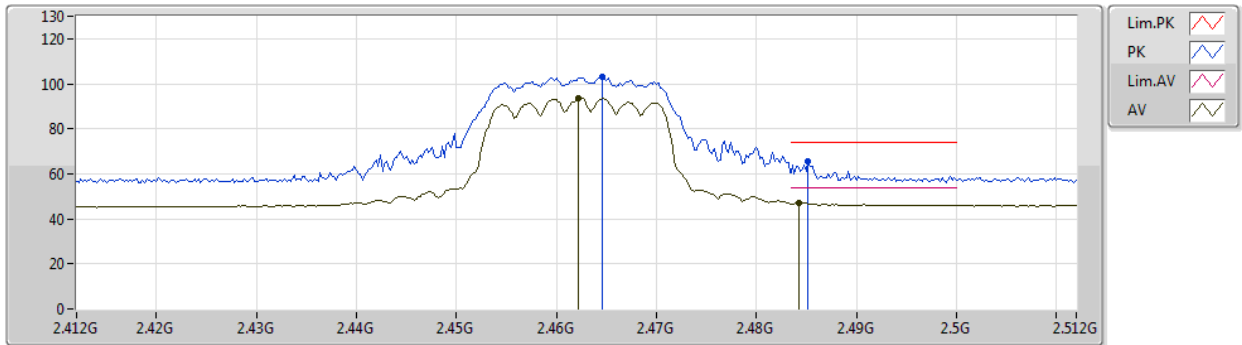


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4594G	101.37	Inf	-Inf	32.79	3	Vertical	174	2.03	-	68.58	27.60	5.19	-
AV	2.484G	50.93	54.00	-3.07	32.83	3	Vertical	174	2.03	-	18.10	27.60	5.23	-
PK	2.4594G	111.37	Inf	-Inf	32.79	3	Vertical	174	2.03	-	78.58	27.60	5.19	-
PK	2.4848G	73.77	74.00	-0.23	32.83	3	Vertical	174	2.03	-	40.94	27.60	5.23	-

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

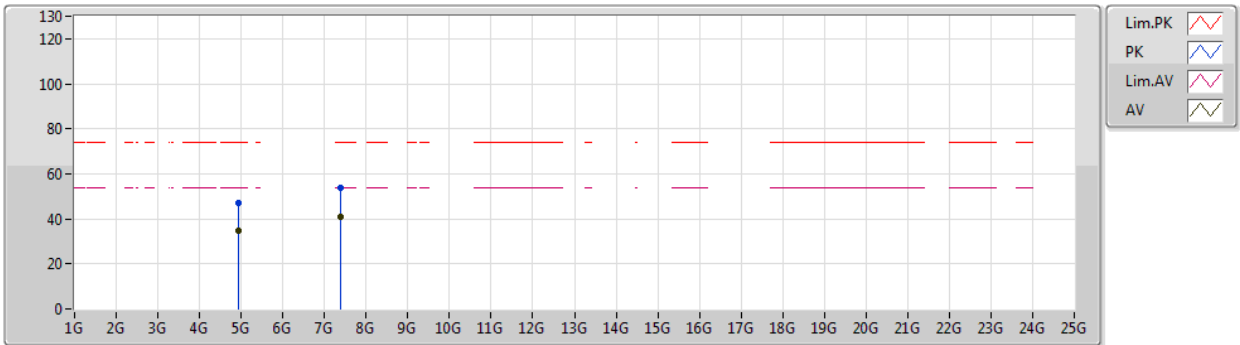
2462MHz_TX



802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

2462MHz_TX

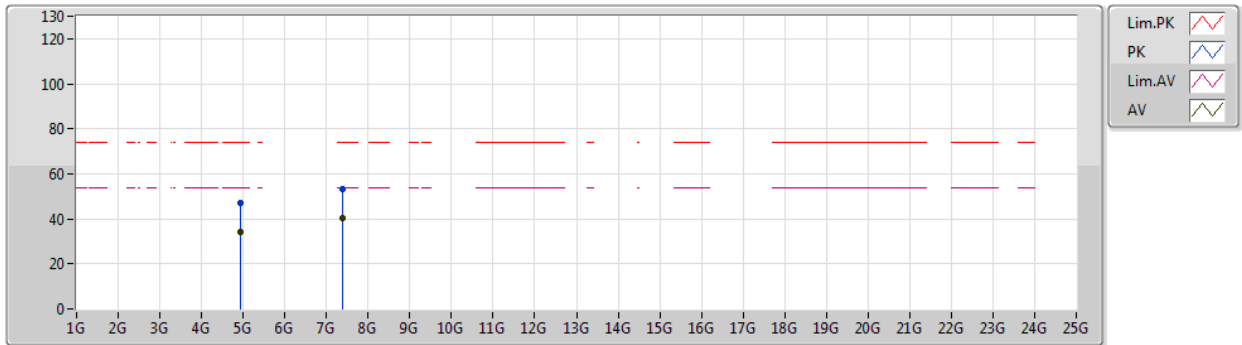


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92228G	34.72	54.00	-19.28	8.17	3	Vertical	26	2.07	-	26.55	31.29	7.42	30.54
AV	7.38324G	41.11	54.00	-12.89	13.71	3	Vertical	116	2.94	-	27.40	36.43	8.60	31.32
PK	4.92332G	46.96	74.00	-27.04	8.17	3	Vertical	26	2.07	-	38.79	31.29	7.42	30.54
PK	7.38088G	53.67	74.00	-20.33	13.72	3	Vertical	116	2.94	-	39.95	36.44	8.60	31.32

802.11n HT20_Nss1,(MCS0)_2TX

28/07/2020

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	4.93032G	34.07	54.00	-19.93	8.21	3	Horizontal	338	2.09	-	25.86	31.32	7.43	30.54
AV	7.38276G	40.31	54.00	-13.69	13.71	3	Horizontal	1	1.98	-	26.60	36.43	8.60	31.32
PK	4.9288G	47.18	74.00	-26.82	8.21	3	Horizontal	338	2.09	-	38.97	31.32	7.43	30.54
PK	7.3852G	53.40	74.00	-20.60	13.71	3	Horizontal	1	1.98	-	39.69	36.43	8.60	31.32