

FCC Test Report

FCC ID : H8N-ASK-STI6220
Equipment : Stream TV
Brand Name : Verizon
Model Name : ASK-STI6220
Applicant : Askey Computer Corp.
10F, No.119, Jiankang Road, Zhonghe
Dist., New Taipei City, Taiwan
Manufacturer : Askey Computer Corp.
10F, No.119, Jiankang Road, Zhonghe
Dist., New Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Sep. 10, 2020, and testing was started from Sep. 10, 2020 and completed on Sep. 24, 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

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History of this test report

Report No.	Version	Description	Issued Date
FR091025AC	01	Initial issue of report	Oct. 08, 2020

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: Debby Hung

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), VHT20, ax(HEW20)	2412-2462	1-11 [11]

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

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, 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	INPAQ	RFMTA250900NNLB002	PIFA antenna	N/A
2	INPAQ	RFMTA250900NNLB002	PIFA antenna	N/A

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	1.41	1.41	1.41
2	2	1.86	0.83	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For IEEE 802.11 n/ax 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 simultaneously.

For 5GHz function:

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

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

For IEEE 802.11 n/ac/ax 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_Nss1,(1Mbps)_1TX(Port1)	0.998	0.01	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g_Nss1,(6Mbps)_1TX(Port1)	0.987	0.06	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT20_Nss1,(MCS0)_2TX	0.985	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20_Nss1,(MCS0)_2TX	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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	CO04-HY	Edward Wang	22.8~23.6°C / 56~60%	24/Sep/2020
RF Conducted	TH06-HY	Alan Chien	20.1~26.9°C / 50~60%	10/Sep/2020~19/Sep/2020
Radiated	03CH02-HY	Daniel Lin	20.0~25.6°C / 51~62%	09/Sep/2020~23/Sep/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	Dos1.6
-----------------------	--------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX(Port1)	-
2412MHz	80
2417MHz	81
2437MHz	90
2457MHz	81
2462MHz	80
802.11g_Nss1,(6Mbps)_1TX(Port1)	-
2412MHz	72
2417MHz	78
2437MHz	83
2457MHz	75
2462MHz	71
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	60
2417MHz	67
2437MHz	75
2457MHz	71
2462MHz	65
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	60
2417MHz	67
2437MHz	75
2457MHz	71
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	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA091025 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.4 Accessories

Accessories				
AC Adapter (US Plug)	Brand Name	LEI	Model Name	MU10AE050200UA1
	Power Rating	I/P: 100 - 240 Vac, 0.3 A, O/P: 5.0 Vdc, 2.0 A		
HDMI Cable	Brand Name	HANRICO	Model Name	26A1810005
	Signal Line	1.0 meter, Shielded cable, w/o ferrite core		
USB Type-C Cable	Brand Name	HANRICO	Model Name	26A1810004
	Signal Line	1.5 meter, Shielded cable, w/o ferrite core		
Remote Controller	Brand Name	Omni	Model Name	RC4513101

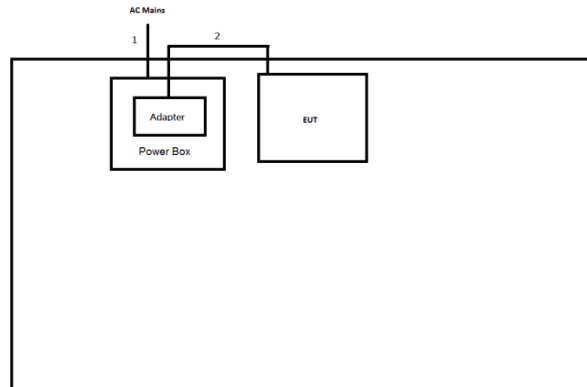
Reminder: Regarding to more detail and other information, please refer to user manual.

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	-	-

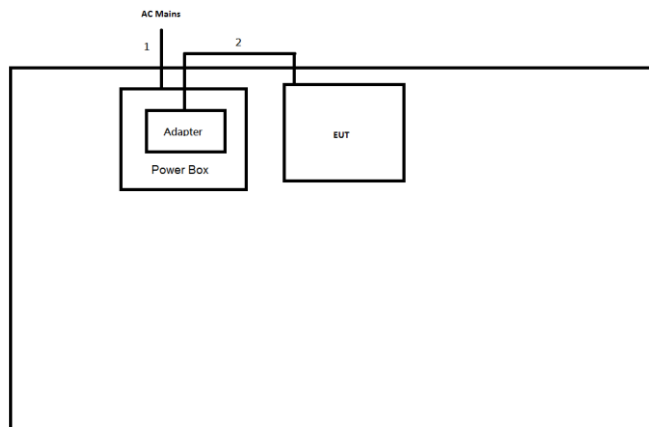
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Type-C Cable	YES	1.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Type-C Cable	YES	1.5	-

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

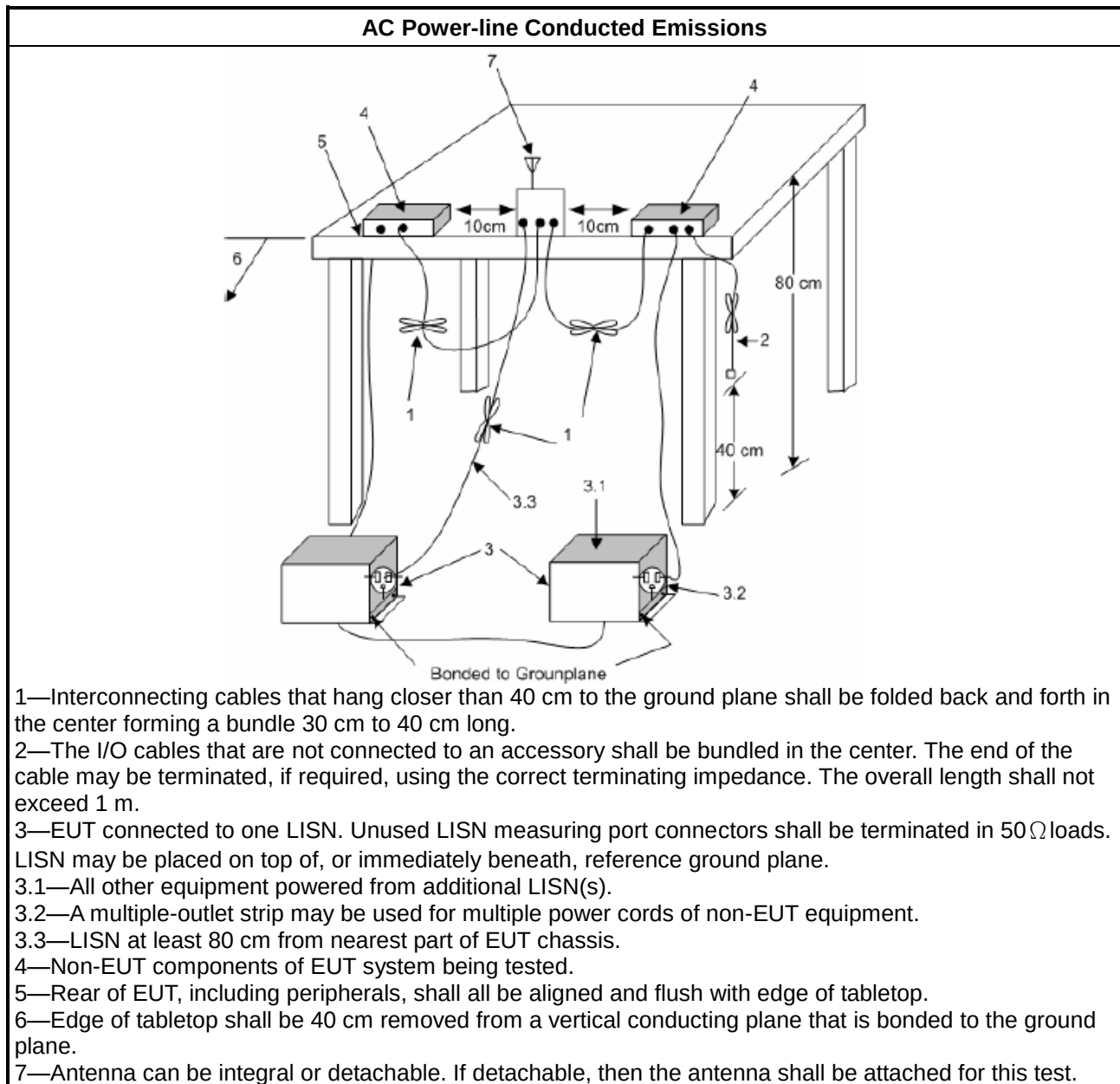
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

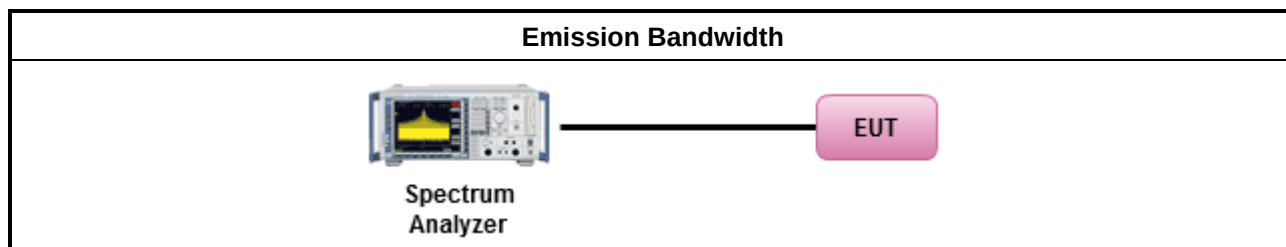
3.2.2 Measuring Instruments

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.		

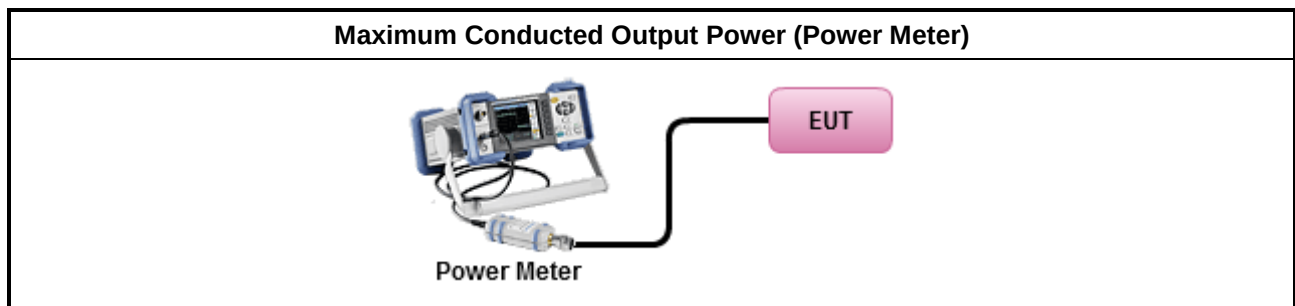
3.3.2 Measuring Instruments

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) ≤ 8 dBm/3kHz

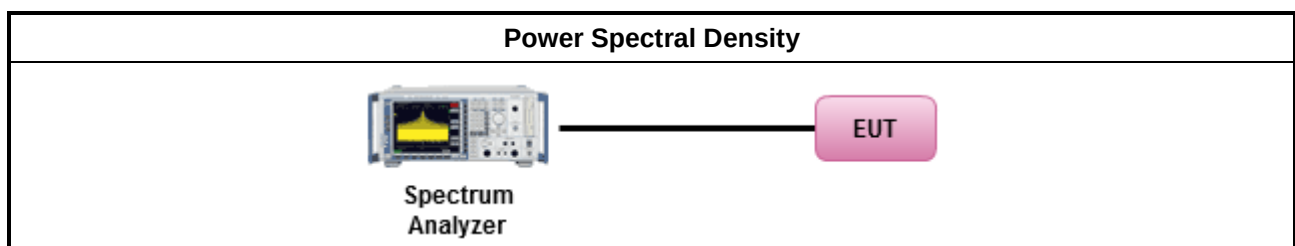
3.4.2 Measuring Instruments

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.	

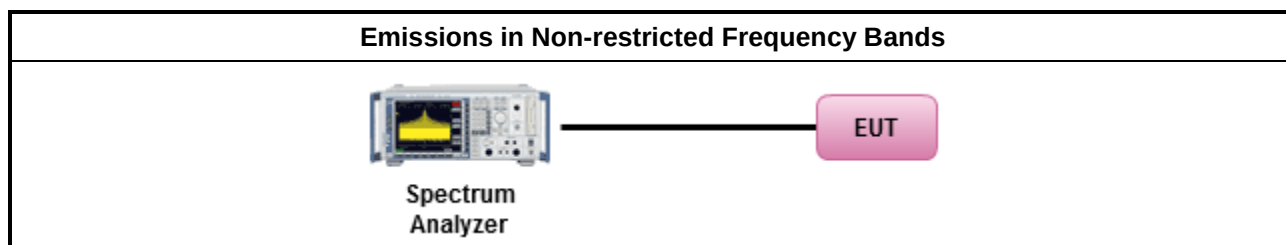
3.5.2 Measuring Instruments

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

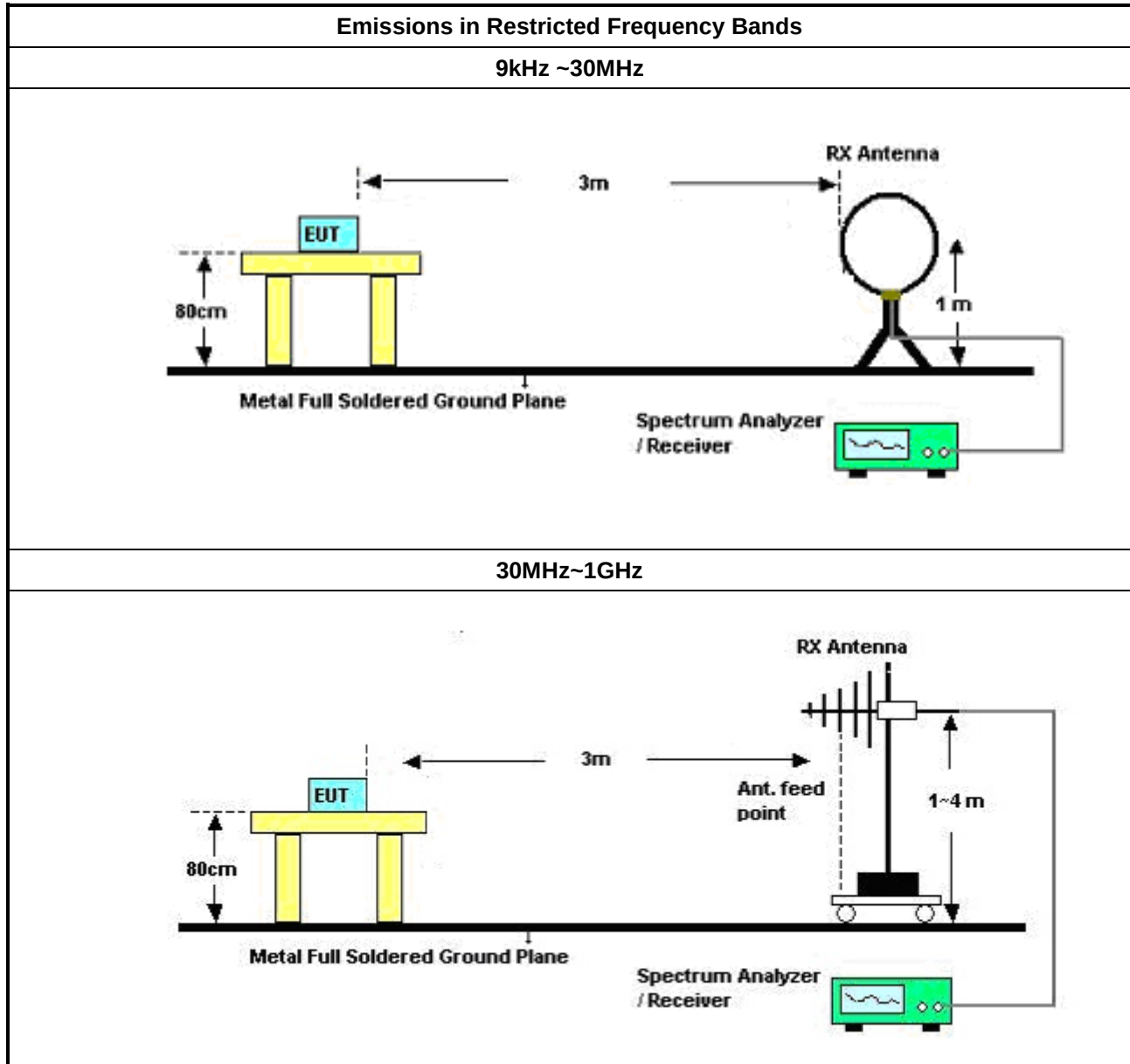
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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.

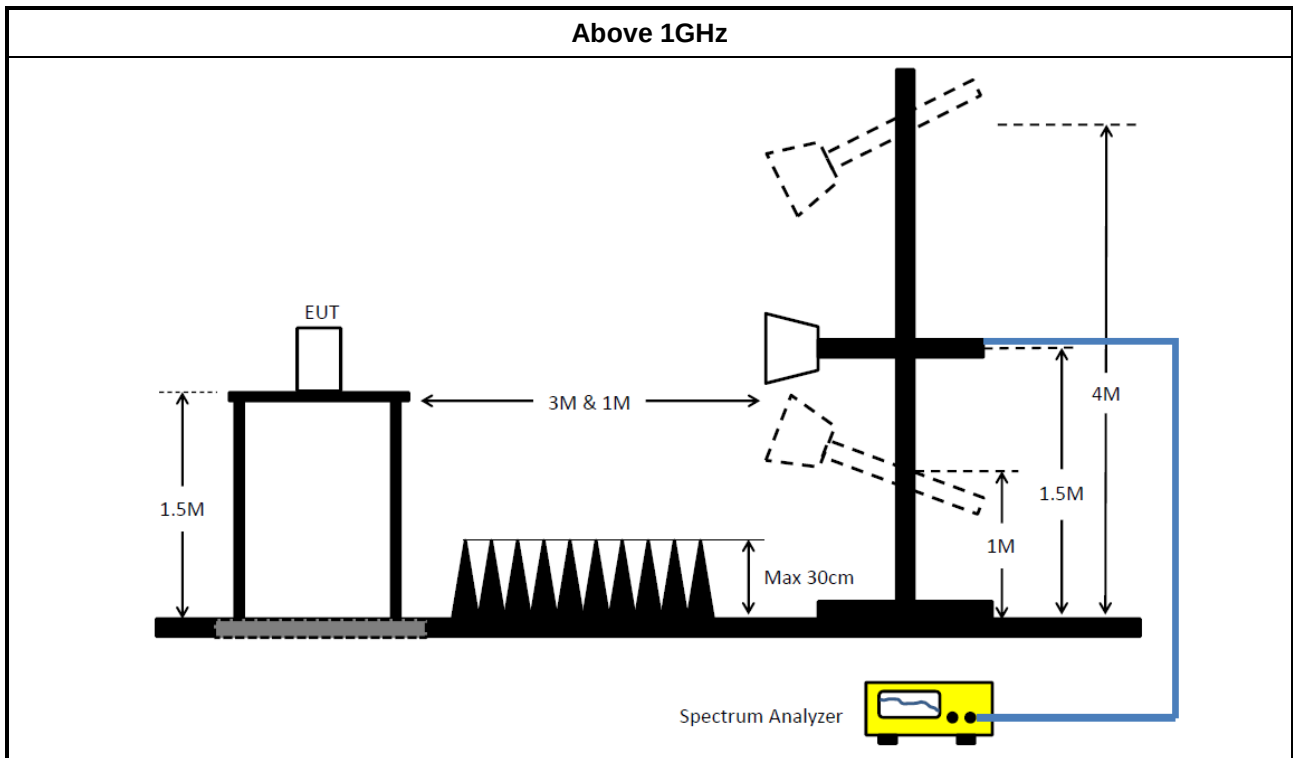
3.6.4 Measurement Results Calculation

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	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	24/Sep/2019	23/Sep/2020

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

**Instrument for Radiated Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	1GHz~26.5GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	16/Oct/2019	15/Oct/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+SUHNE R	SUCOFLEX10 4	805193/4+8051 92/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-H G	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

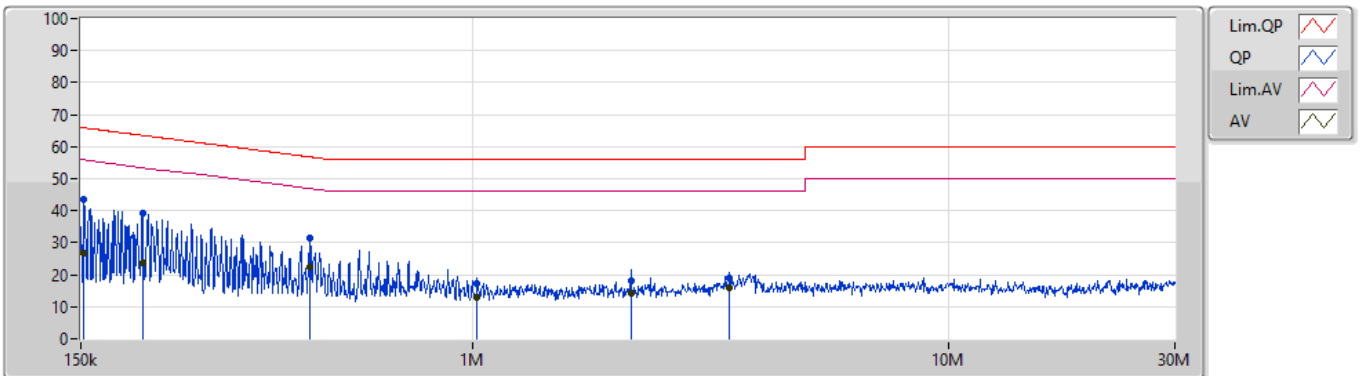
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	458.702k	27.68	46.71	-19.03	Neutral

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	152.414k	43.58	65.87	-22.29	Line	"Worst"
Mode 1	Pass	AV	152.414k	26.54	55.87	-29.33	Line	-
Mode 1	Pass	QP	202.358k	39.20	63.51	-24.31	Line	-
Mode 1	Pass	AV	202.358k	23.90	53.51	-29.61	Line	-
Mode 1	Pass	QP	455.055k	31.58	56.78	-25.20	Line	-
Mode 1	Pass	AV	455.055k	22.36	46.78	-24.42	Line	-
Mode 1	Pass	QP	1.023M	17.11	56.00	-38.89	Line	-
Mode 1	Pass	AV	1.023M	12.96	46.00	-33.04	Line	-
Mode 1	Pass	QP	2.15M	18.05	56.00	-37.95	Line	-
Mode 1	Pass	AV	2.15M	14.08	46.00	-31.92	Line	-
Mode 1	Pass	QP	3.458M	19.16	56.00	-36.84	Line	-
Mode 1	Pass	AV	3.458M	15.89	46.00	-30.11	Line	-
Mode 1	Pass	QP	153.024k	43.34	65.83	-22.49	Neutral	-
Mode 1	Pass	AV	153.024k	26.63	55.83	-29.20	Neutral	-
Mode 1	Pass	QP	458.702k	31.87	56.71	-24.84	Neutral	-
Mode 1	Pass	AV	458.702k	27.68	46.71	-19.03	Neutral	"Worst"
Mode 1	Pass	QP	731.771k	22.09	56.00	-33.91	Neutral	-
Mode 1	Pass	AV	731.771k	17.38	46.00	-28.62	Neutral	-
Mode 1	Pass	QP	1.342M	19.18	56.00	-36.82	Neutral	-
Mode 1	Pass	AV	1.342M	15.95	46.00	-30.05	Neutral	-
Mode 1	Pass	QP	2.274M	22.42	56.00	-33.58	Neutral	-
Mode 1	Pass	AV	2.274M	17.23	46.00	-28.77	Neutral	-
Mode 1	Pass	QP	3.485M	20.22	56.00	-35.78	Neutral	-
Mode 1	Pass	AV	3.485M	16.73	46.00	-29.27	Neutral	-

Conducted Emissions at Powerline_Mode 1

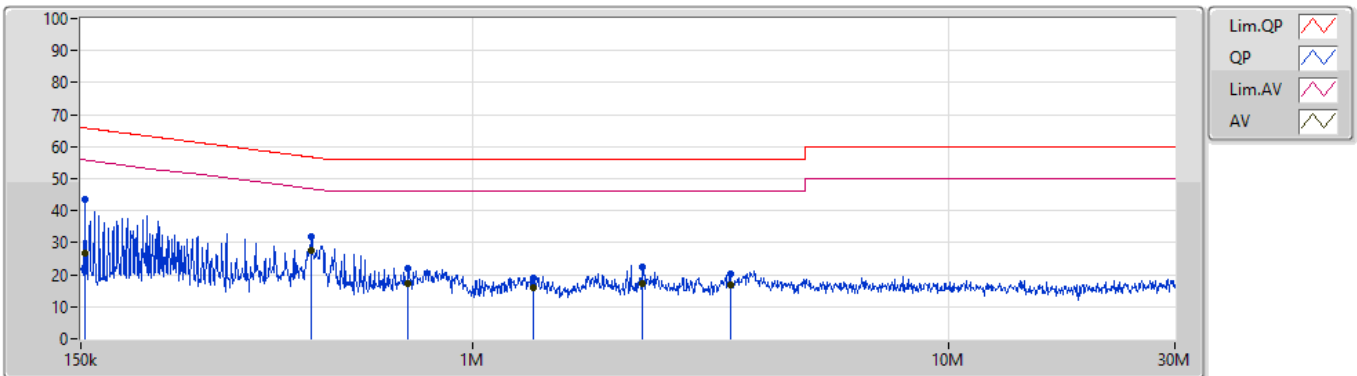
24/09/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	152.414k	43.58	65.87	-22.29	19.54	Line	"Worst"	24.04	9.66	0.01	9.87			
AV	152.414k	26.54	55.87	-29.33	19.54	Line	-	7.00	9.66	0.01	9.87			
QP	202.358k	39.20	63.51	-24.31	19.53	Line	-	19.67	9.65	0.01	9.87			
AV	202.358k	23.90	53.51	-29.61	19.53	Line	-	4.37	9.65	0.01	9.87			
QP	455.055k	31.58	56.78	-25.20	19.53	Line	-	12.05	9.64	0.02	9.87			
AV	455.055k	22.36	46.78	-24.42	19.53	Line	-	2.83	9.64	0.02	9.87			
QP	1.023M	17.11	56.00	-38.89	19.57	Line	-	-2.46	9.64	0.05	9.88			
AV	1.023M	12.96	46.00	-33.04	19.57	Line	-	-6.61	9.64	0.05	9.88			
QP	2.15M	18.05	56.00	-37.95	19.60	Line	-	-1.55	9.65	0.08	9.87			
AV	2.15M	14.08	46.00	-31.92	19.60	Line	-	-5.52	9.65	0.08	9.87			
QP	3.458M	19.16	56.00	-36.84	19.65	Line	-	-0.49	9.66	0.11	9.88			
AV	3.458M	15.89	46.00	-30.11	19.65	Line	-	-3.76	9.66	0.11	9.88			

Conducted Emissions at Powerline_Mode 1

24/09/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.024k	43.34	65.83	-22.49	19.53	Neutral	-	23.81	9.65	0.01	9.87			
AV	153.024k	26.63	55.83	-29.20	19.53	Neutral	-	7.10	9.65	0.01	9.87			
QP	458.702k	31.87	56.71	-24.84	19.52	Neutral	-	12.35	9.63	0.02	9.87			
AV	458.702k	27.68	46.71	-19.03	19.52	Neutral	"Worst"	8.16	9.63	0.02	9.87			
QP	731.771k	22.09	56.00	-33.91	19.54	Neutral	-	2.55	9.63	0.04	9.87			
AV	731.771k	17.38	46.00	-28.62	19.54	Neutral	-	-2.16	9.63	0.04	9.87			
QP	1.342M	19.18	56.00	-36.82	19.58	Neutral	-	-0.40	9.64	0.06	9.88			
AV	1.342M	15.95	46.00	-30.05	19.58	Neutral	-	-3.63	9.64	0.06	9.88			
QP	2.274M	22.42	56.00	-33.58	19.61	Neutral	-	2.81	9.65	0.09	9.87			
AV	2.274M	17.23	46.00	-28.77	19.61	Neutral	-	-2.38	9.65	0.09	9.87			
QP	3.485M	20.22	56.00	-35.78	19.65	Neutral	-	0.57	9.66	0.11	9.88			
AV	3.485M	16.73	46.00	-29.27	19.65	Neutral	-	-2.92	9.66	0.11	9.88			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	7.525M	11.874M	11M9G1D	7.025M	10.955M
802.11g_Nss1,(6Mbps)_1TX(Port1)	16.325M	17.151M	17M2D1D	16.3M	16.532M
802.11n HT20_Nss1,(MCS0)_2TX	17.575M	17.751M	17M8D1D	17.525M	17.671M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.925M	18.891M	18M9D1D	17.725M	18.831M

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

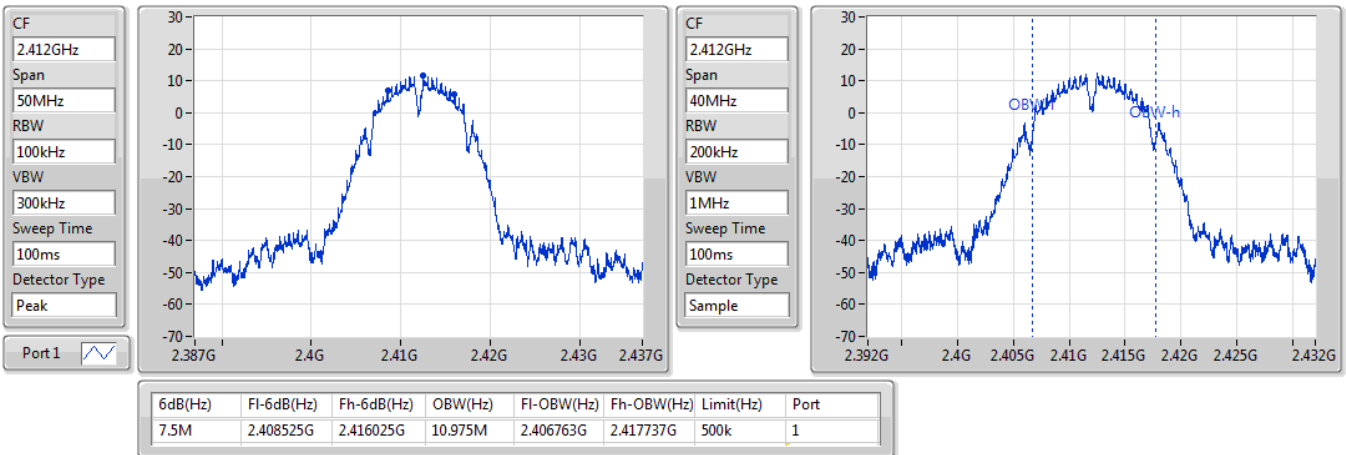
Result

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(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	7.5M	10.975M		
2437MHz	Pass	500k	7.025M	11.874M		
2462MHz	Pass	500k	7.525M	10.955M		
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.572M		
2437MHz	Pass	500k	16.325M	17.151M		
2462MHz	Pass	500k	16.3M	16.532M		
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	17.671M	17.575M	17.671M
2437MHz	Pass	500k	17.55M	17.751M	17.575M	17.751M
2462MHz	Pass	500k	17.55M	17.711M	17.575M	17.711M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.871M	17.725M	18.871M
2437MHz	Pass	500k	18.65M	18.871M	18.175M	18.891M
2462MHz	Pass	500k	18.725M	18.831M	18.775M	18.891M

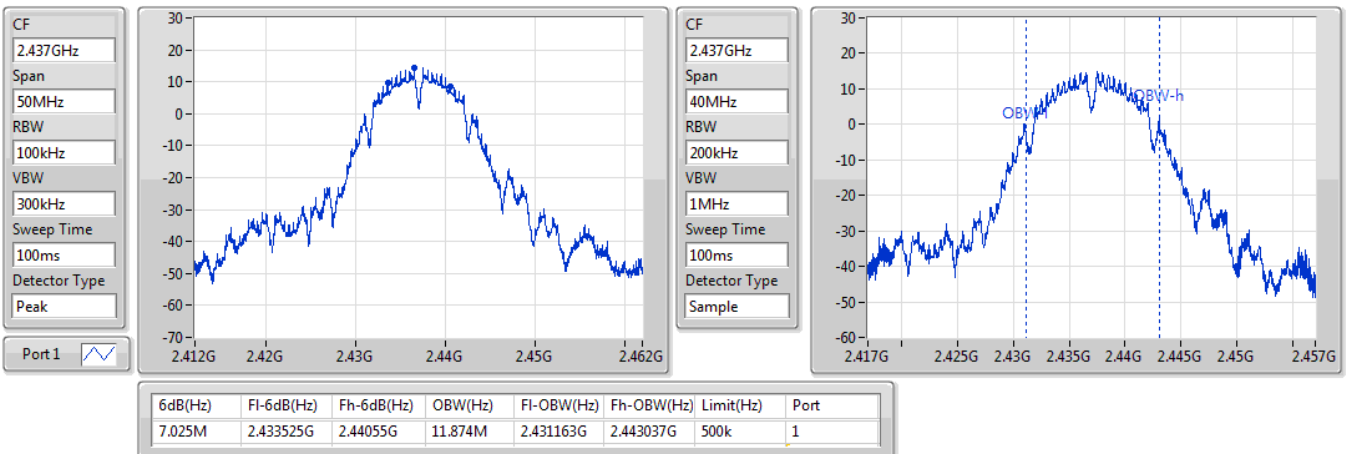
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

14/09/2020


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

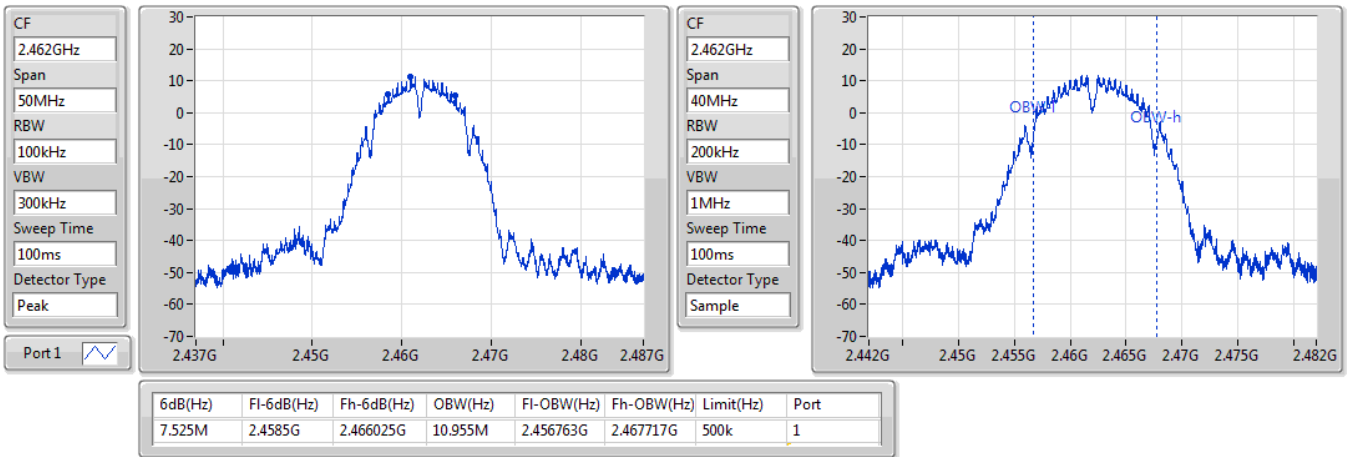
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802.11b_Nss1,(1Mbps)_1TX(Port1)

EBW
2462MHz

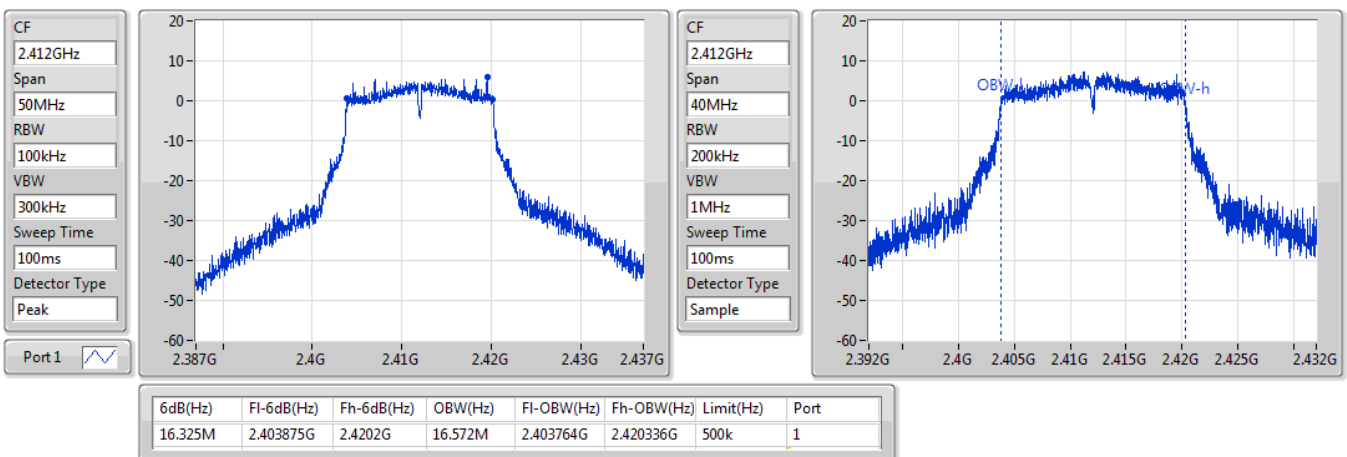
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802.11g_Nss1,(6Mbps)_1TX(Port1)

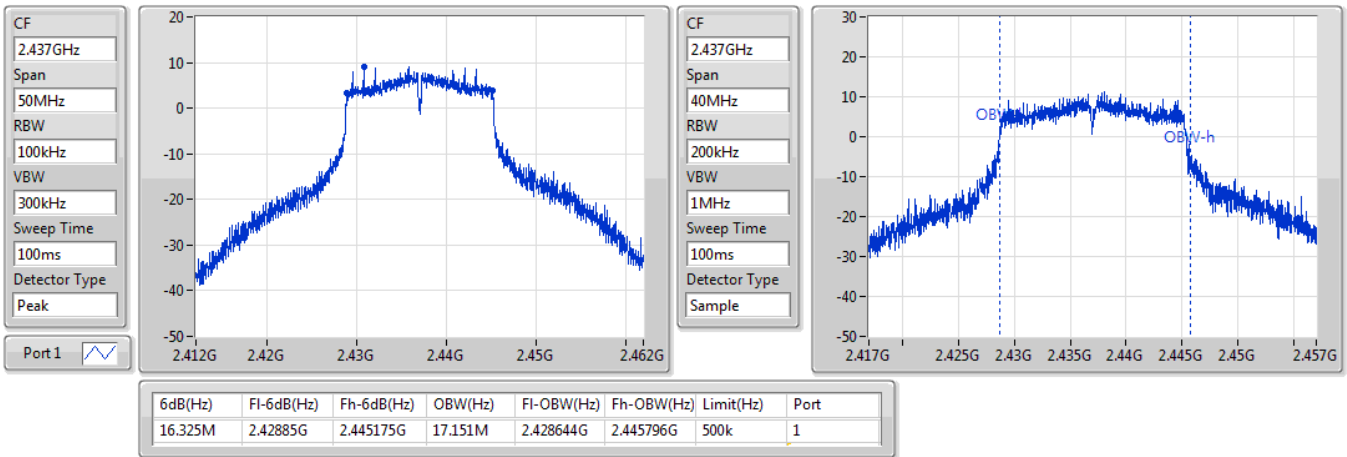
EBW
2412MHz

15/09/2020

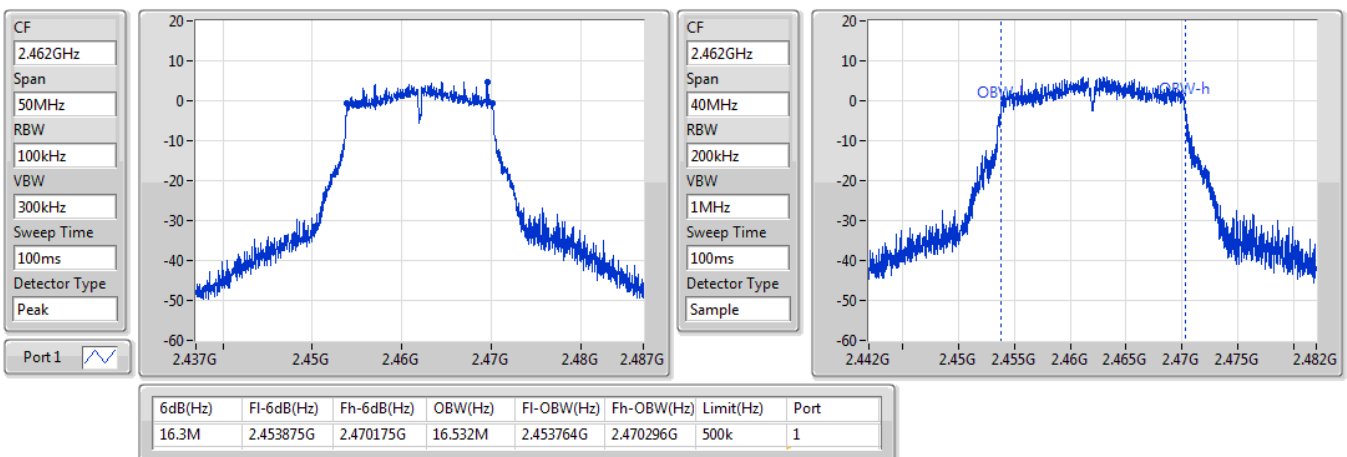


802.11g_Nss1,(6Mbps)_1TX(Port1)
EBW
2437MHz

15/09/2020

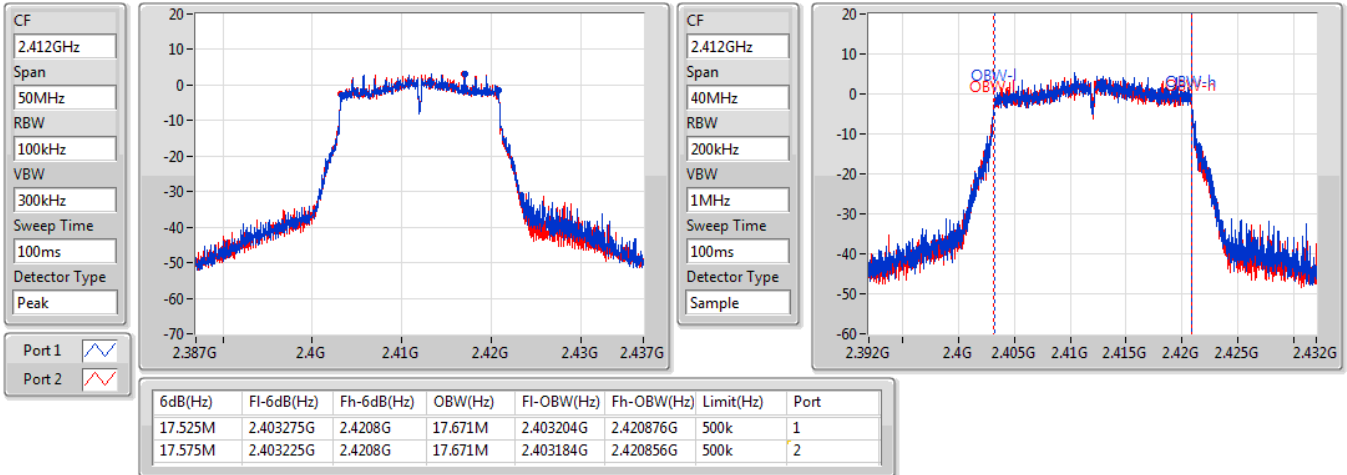

802.11g_Nss1,(6Mbps)_1TX(Port1)
EBW
2462MHz

15/09/2020

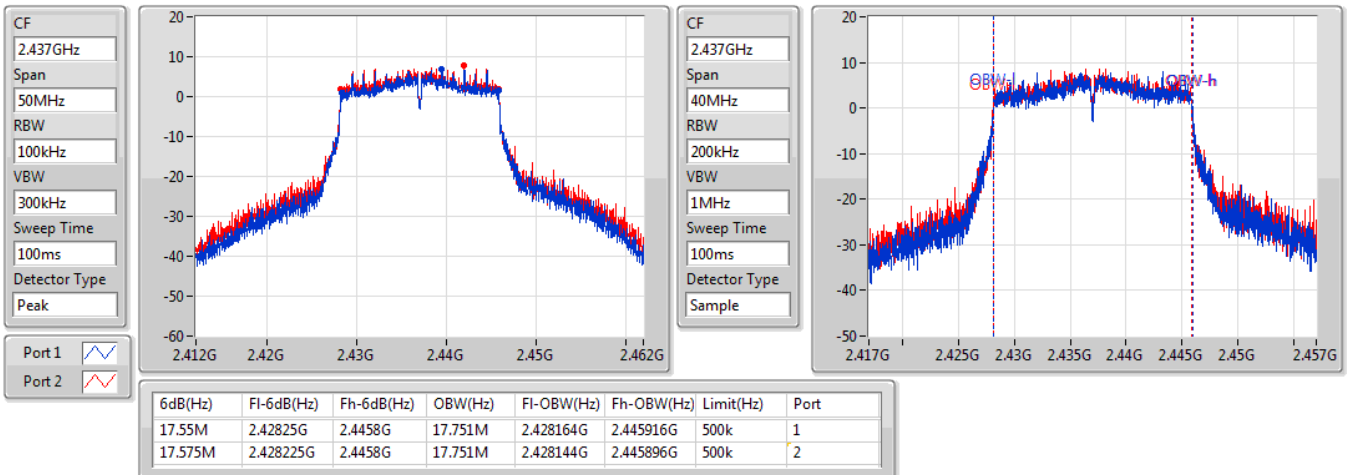


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

18/09/2020

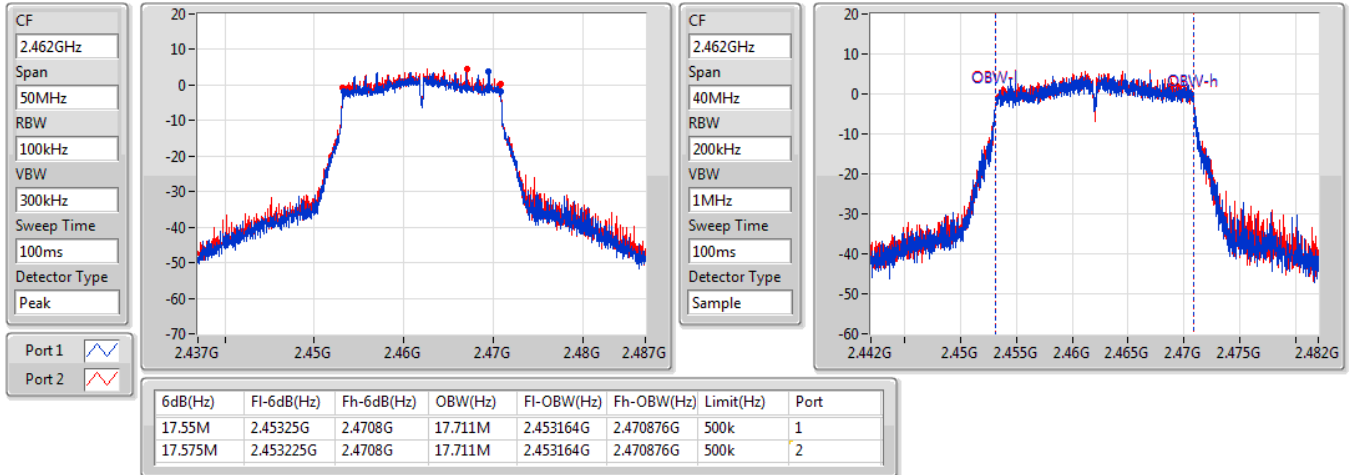

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

18/09/2020

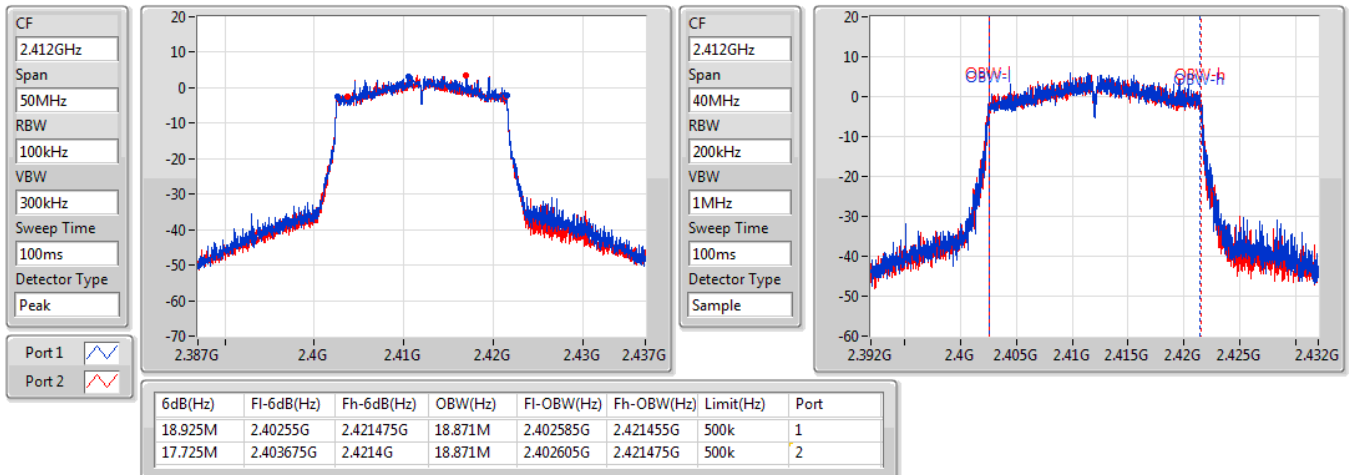


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

18/09/2020


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2412MHz

18/09/2020

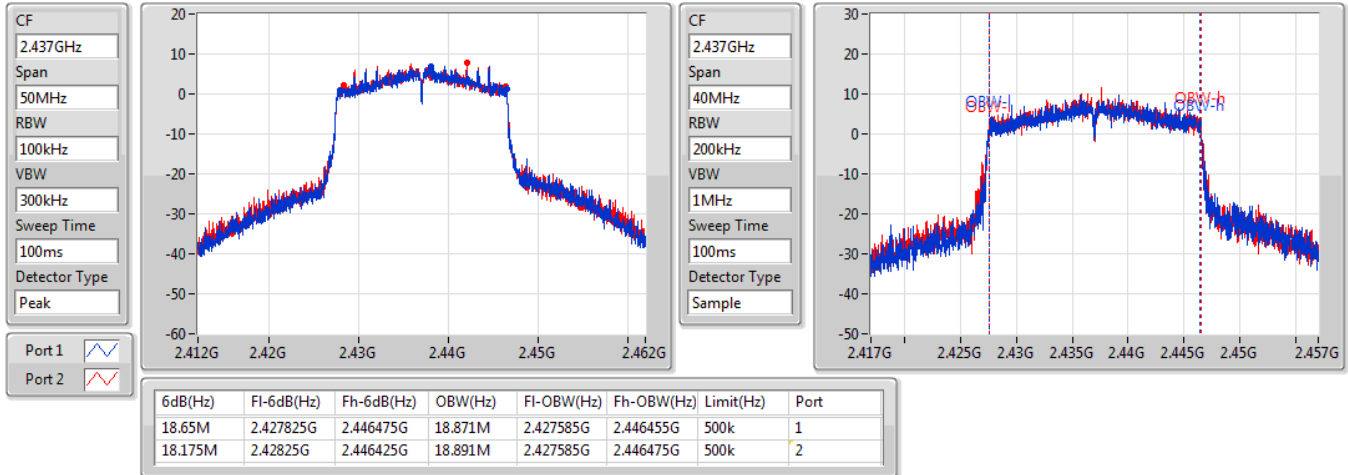


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

18/09/2020

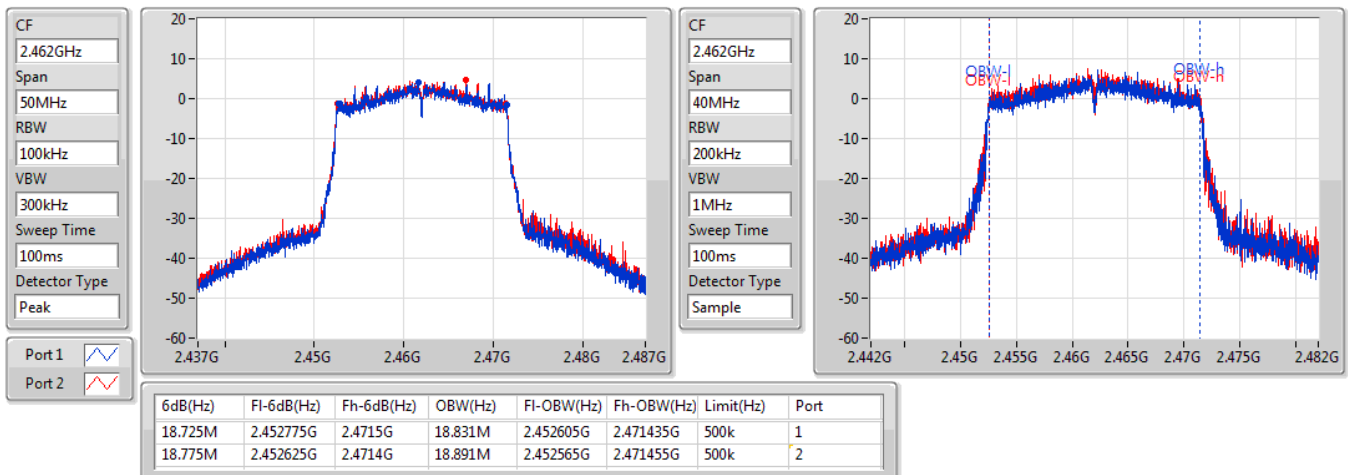


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

18/09/2020





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	22.03	0.15959
802.11g_Nss1,(6Mbps)_1TX(Port1)	21.26	0.13366
802.11n HT20_Nss1,(MCS0)_2TX	21.91	0.15524
802.11ax HEW20_Nss1,(MCS0)_2TX	21.95	0.15668

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	1.86	19.43		19.43	30.00
2417MHz	Pass	1.86	19.83		19.83	30.00
2437MHz	Pass	1.86	22.03		22.03	30.00
2457MHz	Pass	1.86	19.57		19.57	30.00
2462MHz	Pass	1.86	18.98		18.98	30.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	1.86	18.09		18.09	30.00
2417MHz	Pass	1.86	19.66		19.66	30.00
2437MHz	Pass	1.86	21.26		21.26	30.00
2457MHz	Pass	1.86	18.19		18.19	30.00
2462MHz	Pass	1.86	17.06		17.06	30.00
802.11n_HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.86	15.08	14.93	18.02	30.00
2417MHz	Pass	1.86	16.30	16.53	19.43	30.00
2437MHz	Pass	1.86	18.75	19.05	21.91	30.00
2457MHz	Pass	1.86	17.23	17.66	20.46	30.00
2462MHz	Pass	1.86	15.53	16.20	18.89	30.00
802.11ax_HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.86	15.36	15.15	18.27	30.00
2417MHz	Pass	1.86	16.60	16.77	19.70	30.00
2437MHz	Pass	1.86	18.74	19.14	21.95	30.00
2457MHz	Pass	1.86	17.44	17.80	20.63	30.00
2462MHz	Pass	1.86	15.92	16.43	19.19	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	-1.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-3.79
802.11n_HT20_Nss1,(MCS0)_2TX	-4.03
802.11ax_HEW20_Nss1,(MCS0)_2TX	-3.61

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	1.86	-2.18		-2.18	8.00
2437MHz	Pass	1.86	-1.00		-1.00	8.00
2462MHz	Pass	1.86	-3.46		-3.46	8.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	1.86	-7.06		-7.06	8.00
2437MHz	Pass	1.86	-3.79		-3.79	8.00
2462MHz	Pass	1.86	-8.21		-8.21	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.87	-9.42	-9.92	-8.08	8.00
2437MHz	Pass	4.87	-4.92	-5.17	-4.03	8.00
2462MHz	Pass	4.87	-8.69	-8.31	-7.13	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.87	-10.63	-10.17	-7.98	8.00
2437MHz	Pass	4.87	-6.62	-5.40	-3.61	8.00
2462MHz	Pass	4.87	-7.76	-8.28	-6.87	8.00

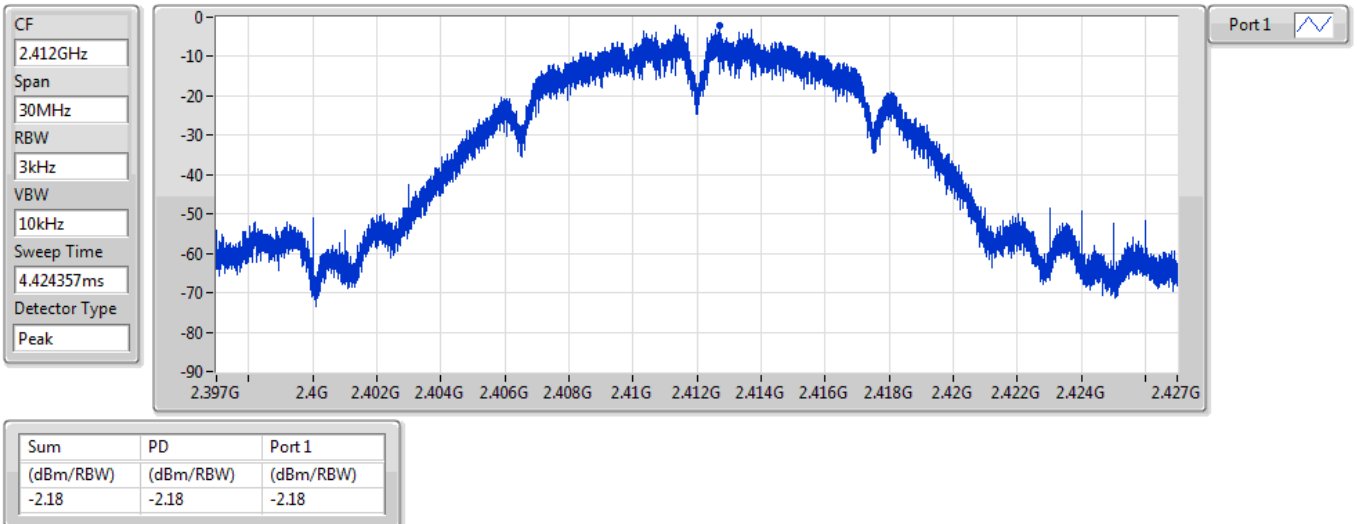
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_1TX(Port1)

PSD

2412MHz

14/09/2020

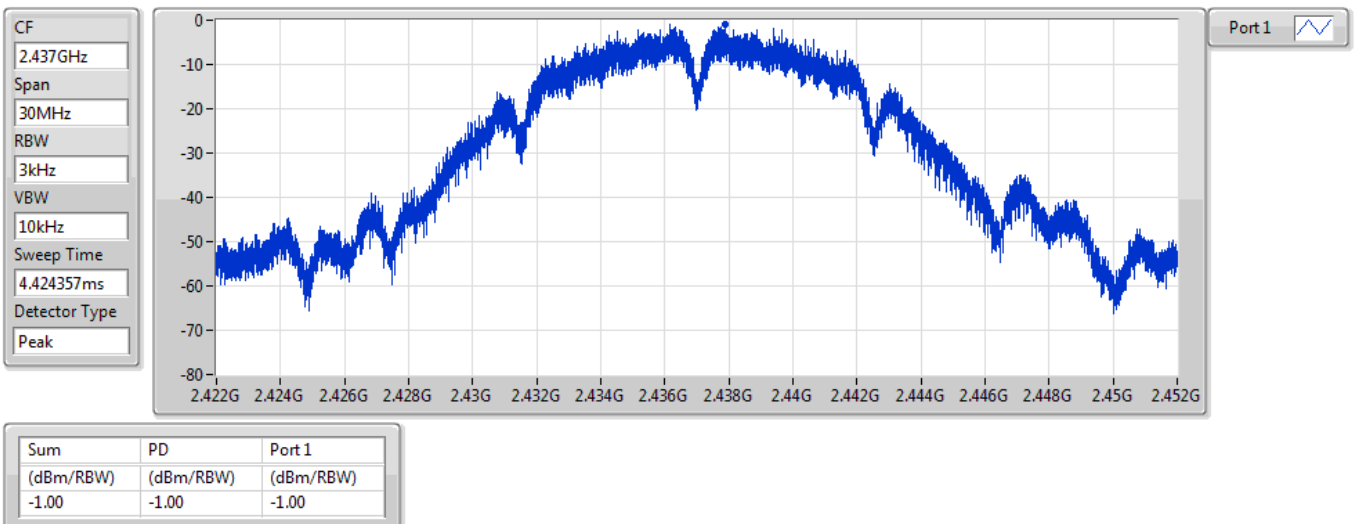


802.11b_Nss1,(1Mbps)_1TX(Port1)

PSD

2437MHz

14/09/2020

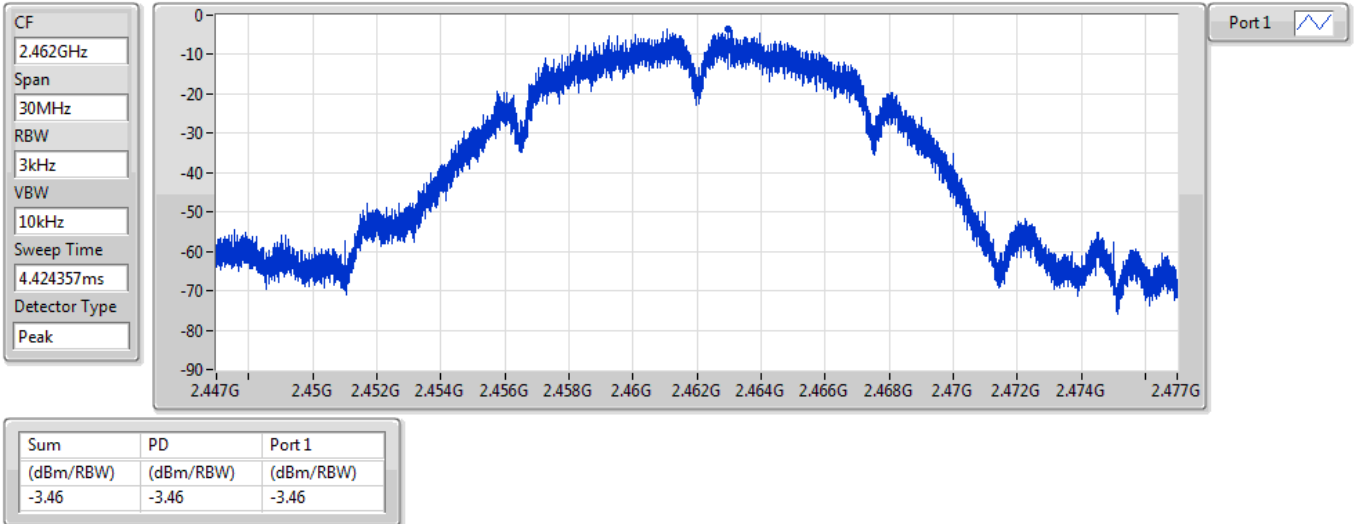


802.11b_Nss1,(1Mbps)_1TX(Port1)

PSD

2462MHz

14/09/2020

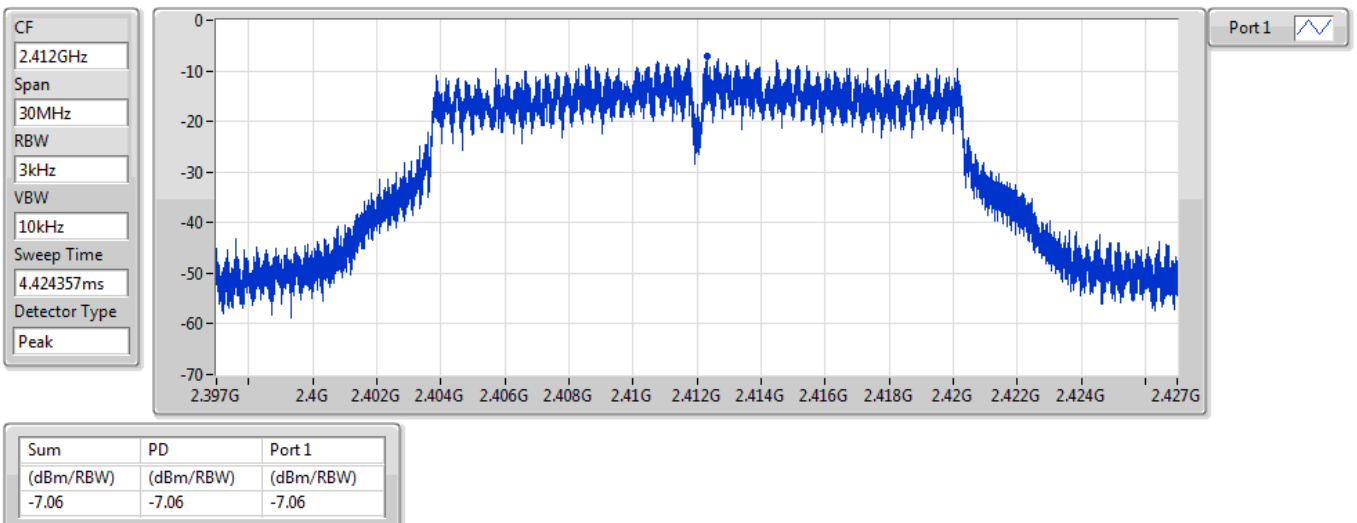


802.11g_Nss1,(6Mbps)_1TX(Port1)

PSD

2412MHz

15/09/2020

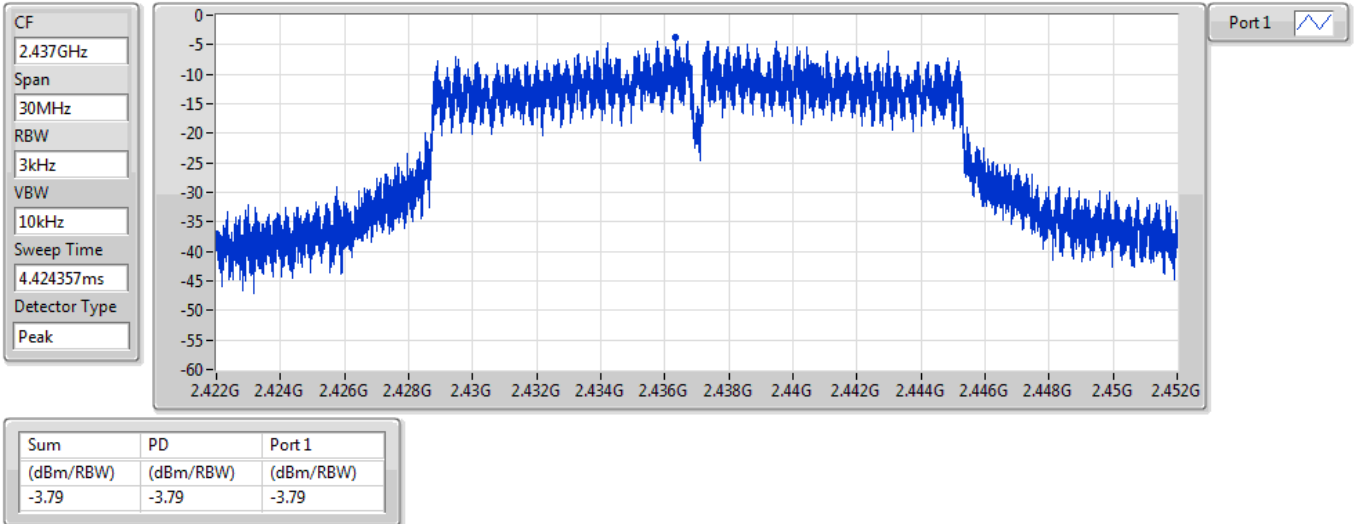


802.11g_Nss1,(6Mbps)_1TX(Port1)

PSD

2437MHz

15/09/2020

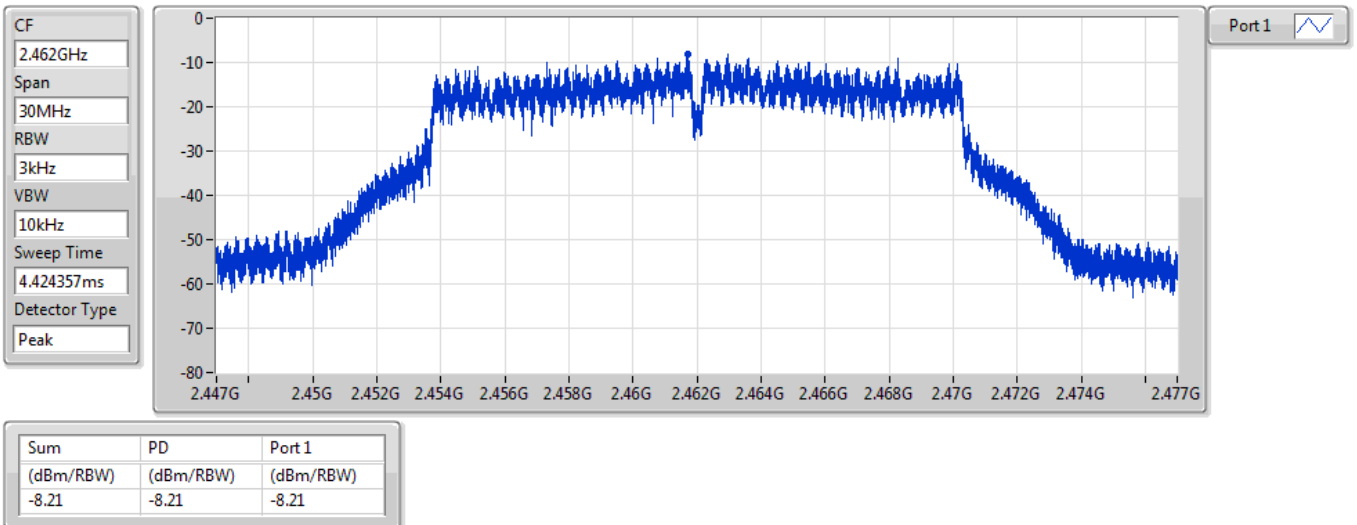


802.11g_Nss1,(6Mbps)_1TX(Port1)

PSD

2462MHz

15/09/2020

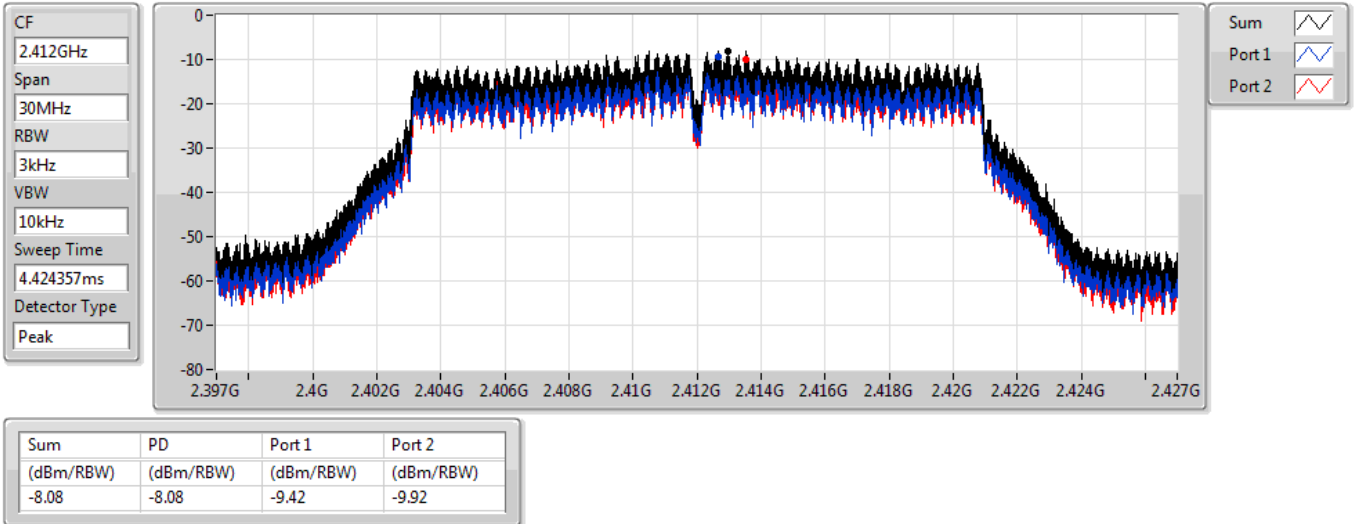


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

18/09/2020

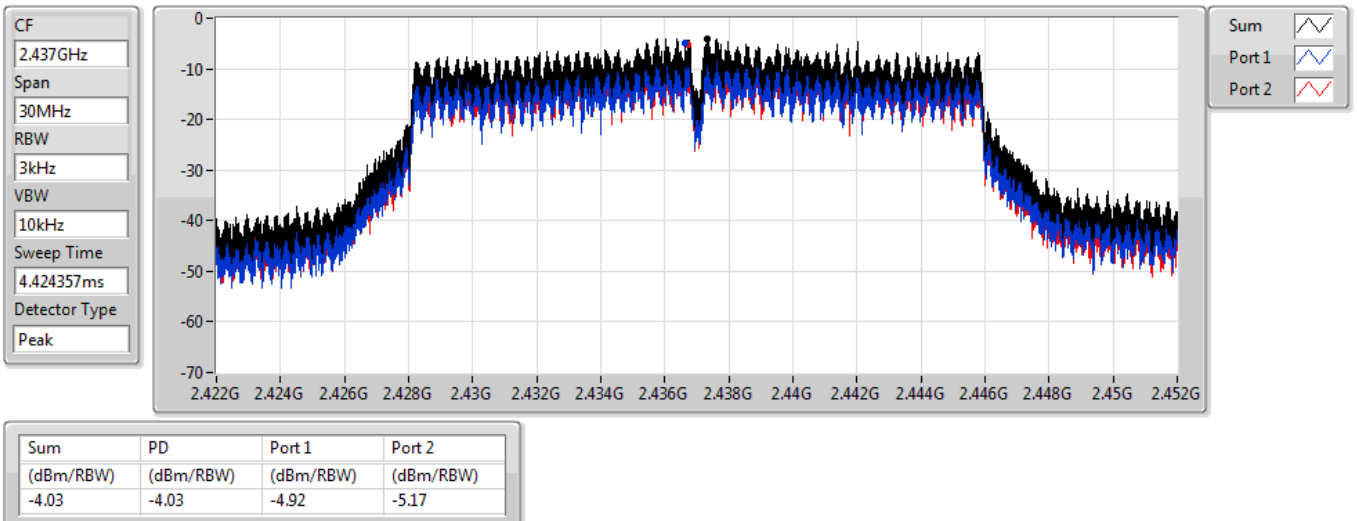


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

18/09/2020

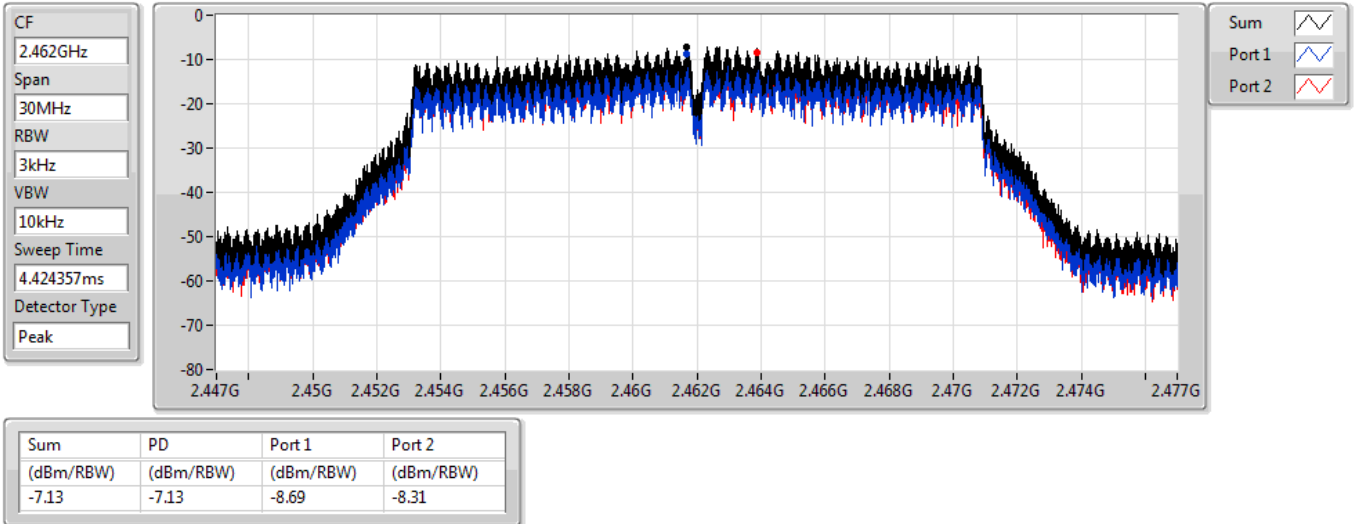


802.11n HT20_Nss1,(MCS0)_2TX

2462MHz

PSD

18/09/2020

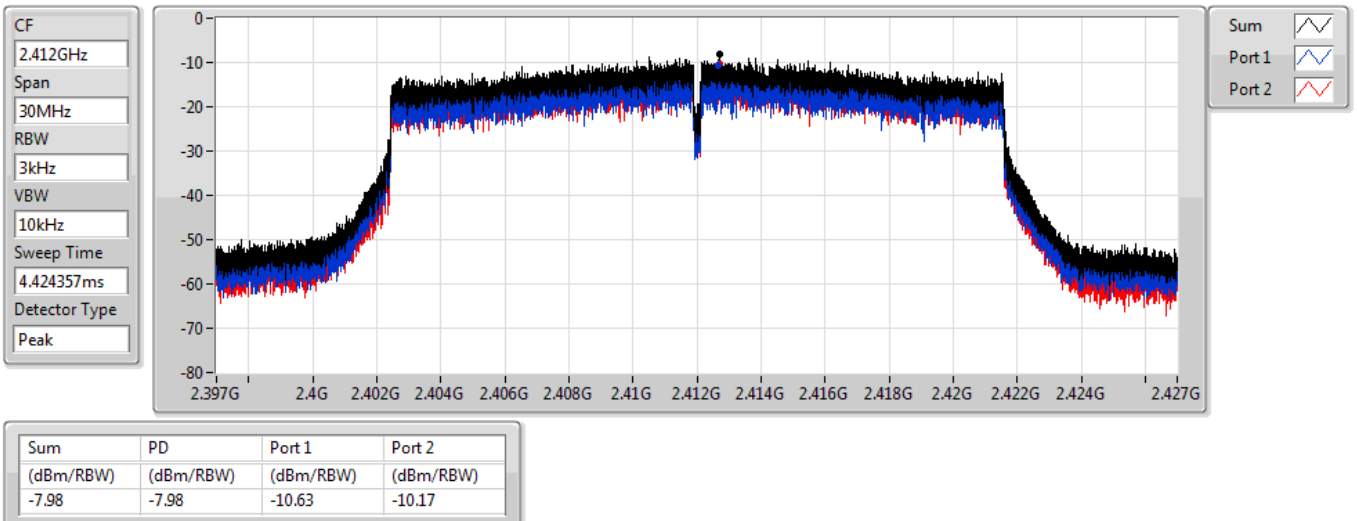


802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

PSD

18/09/2020

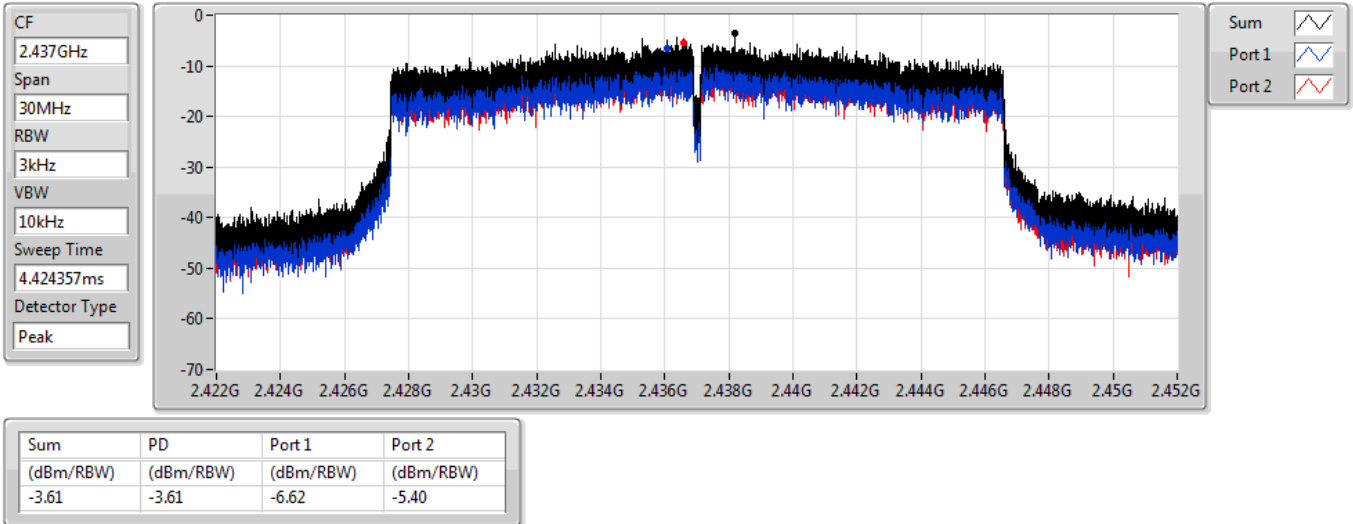


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

18/09/2020

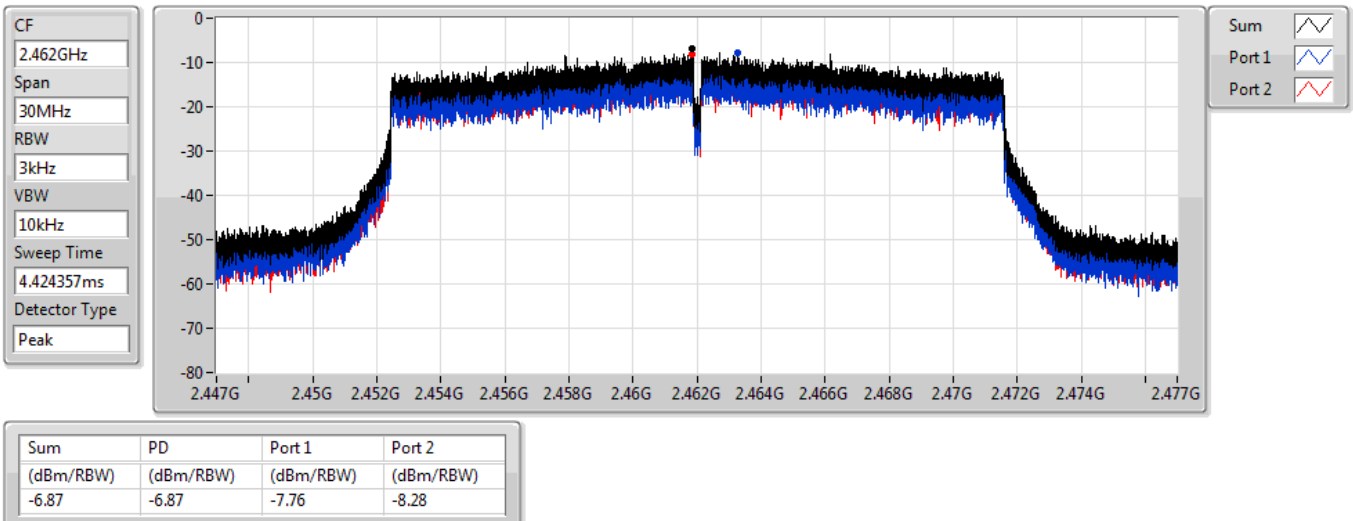


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

18/09/2020



**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(Port1)	Pass	2.43649G	14.38	-15.62	2.3G	-54.30	2.39952G	-36.47	2.4G	-44.77	2.49354G	-48.44	23.4716G	-40.40	1
802.11g_Nss1,(6Mbps)_1TX(Port1)	Pass	2.442G	10.22	-19.78	2.13428G	-54.34	2.39788G	-25.23	2.4G	-27.65	2.4858G	-49.10	23.41541G	-39.64	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.442G	7.76	-22.24	2.17244G	-53.65	2.39954G	-34.77	2.4G	-37.82	2.48708G	-49.80	23.55027G	-39.87	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.442G	7.56	-22.44	949.77M	-54.37	2.39882G	-32.98	2.4G	-37.47	2.49046G	-49.44	23.27493G	-40.86	1

Result

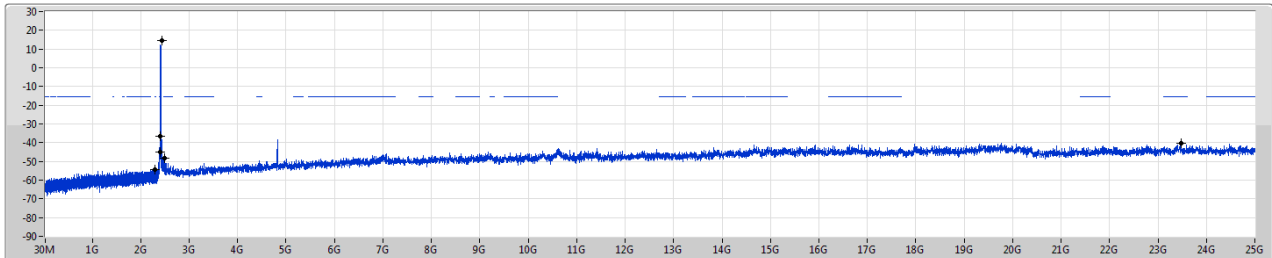
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	14.38	-15.62	2.3G	-54.30	2.39952G	-36.47	2.4G	-44.77	2.49354G	-48.44	23.4716G	-40.40	1
2437MHz	Pass	2.43649G	14.38	-15.62	2.12787G	-54.19	2.396G	-46.11	2.4G	-48.97	2.4885G	-46.00	23.22155G	-40.47	1
2462MHz	Pass	2.43649G	14.38	-15.62	2.11943G	-53.83	2.39734G	-51.62	2.4835G	-52.57	2.49852G	-43.70	23.42665G	-40.35	1
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	10.22	-19.78	2.13428G	-54.34	2.39788G	-25.23	2.4G	-27.65	2.4858G	-49.10	23.41541G	-39.64	1
2437MHz	Pass	2.442G	10.22	-19.78	2.30874G	-54.29	2.39722G	-40.79	2.4G	-42.84	2.48354G	-41.31	14.97829G	-39.20	1
2462MHz	Pass	2.442G	10.22	-19.78	2.30554G	-53.84	2.39924G	-51.68	2.4835G	-42.65	2.4861G	-38.20	23.46598G	-40.48	1
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	7.76	-22.24	2.17244G	-53.65	2.39954G	-34.77	2.4G	-37.82	2.48708G	-49.80	23.55027G	-39.87	1
2412MHz	Pass	2.442G	7.76	-22.24	2.02594G	-53.42	2.39958G	-34.92	2.4G	-37.26	2.51074G	-50.82	23.36483G	-39.74	2
2437MHz	Pass	2.442G	7.76	-22.24	788.42M	-53.74	2.39886G	-43.73	2.4835G	-46.62	2.4837G	-46.53	23.31988G	-39.45	1
2437MHz	Pass	2.442G	7.76	-22.24	2.09555G	-54.42	2.3995G	-42.61	2.4G	-45.39	2.48388G	-46.67	24.3229G	-39.57	2
2462MHz	Pass	2.442G	7.76	-22.24	803.85M	-54.12	2.39136G	-52.68	2.4835G	-44.23	2.48452G	-40.07	16.23697G	-40.16	1
2462MHz	Pass	2.442G	7.76	-22.24	1.99244G	-53.92	2.39408G	-52.82	2.4835G	-42.52	2.48358G	-36.78	24.42966G	-40.13	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	7.56	-22.44	949.77M	-54.37	2.39882G	-32.98	2.4G	-37.47	2.49046G	-49.44	23.27493G	-40.86	1
2412MHz	Pass	2.442G	7.56	-22.44	2.30029G	-52.99	2.3942G	-34.26	2.4G	-36.58	2.48542G	-51.00	23.23279G	-39.18	2
2437MHz	Pass	2.442G	7.56	-22.44	2.14389G	-53.83	2.39976G	-44.80	2.4G	-46.25	2.48576G	-44.89	23.58117G	-39.61	1
2437MHz	Pass	2.442G	7.56	-22.44	839.68M	-53.54	2.3992G	-43.05	2.4G	-44.73	2.48434G	-47.09	24.80895G	-40.27	2
2462MHz	Pass	2.442G	7.56	-22.44	2.04458G	-54.02	2.39284G	-51.50	2.4835G	-44.10	2.48364G	-40.81	23.57555G	-39.59	1
2462MHz	Pass	2.442G	7.56	-22.44	728.71M	-53.82	2.39884G	-51.85	2.4835G	-43.98	2.48416G	-39.67	23.5615G	-40.32	2

802.11b_Nss1,(1Mbps)_1TX(Port1)

CSENdB

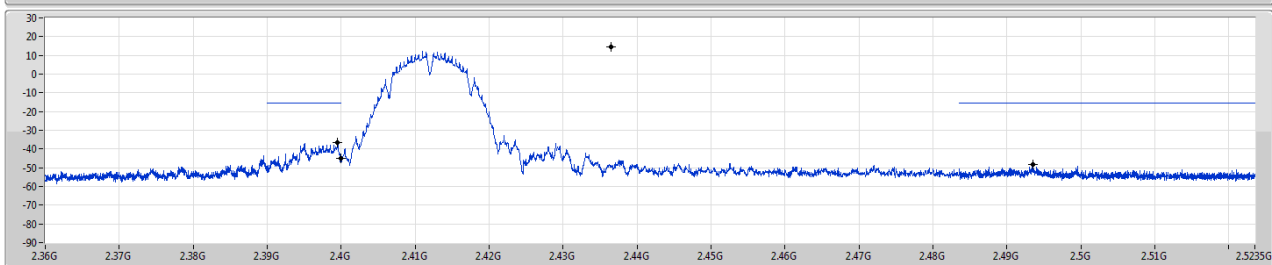
2412MHz

15/09/2020



Port1

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



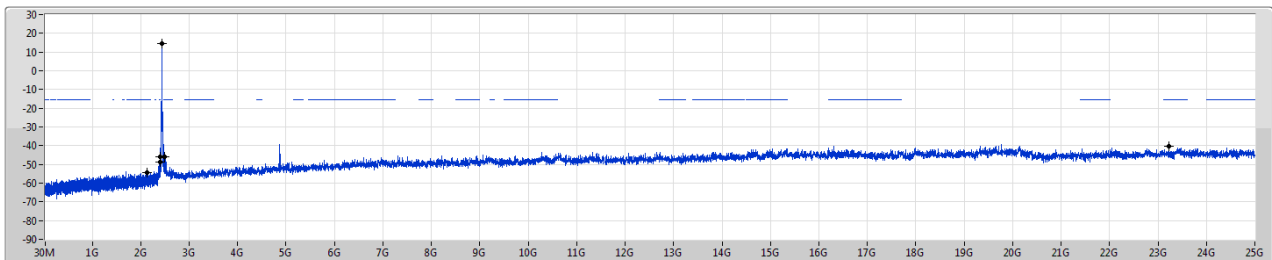
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	14.38	-15.62	2.3G	-54.30	2.39952G	-36.47	2.4G	-44.77	2.49354G	-48.44	2.4716G	-40.40	1

802.11b_Nss1,(1Mbps)_1TX(Port1)

CSENdB

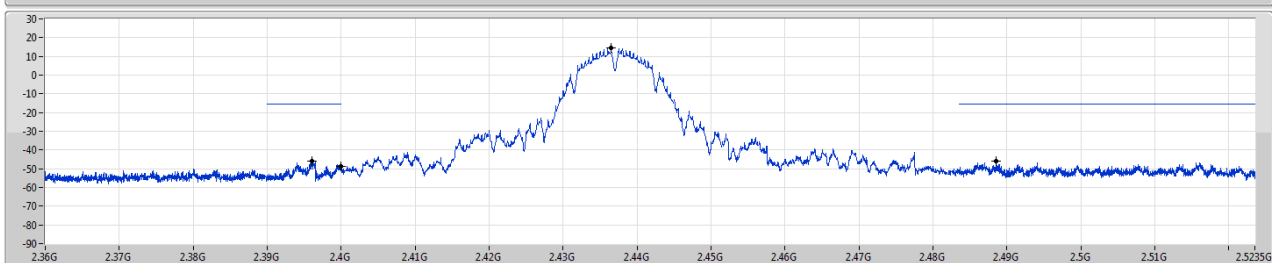
2437MHz

15/09/2020



Port1

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



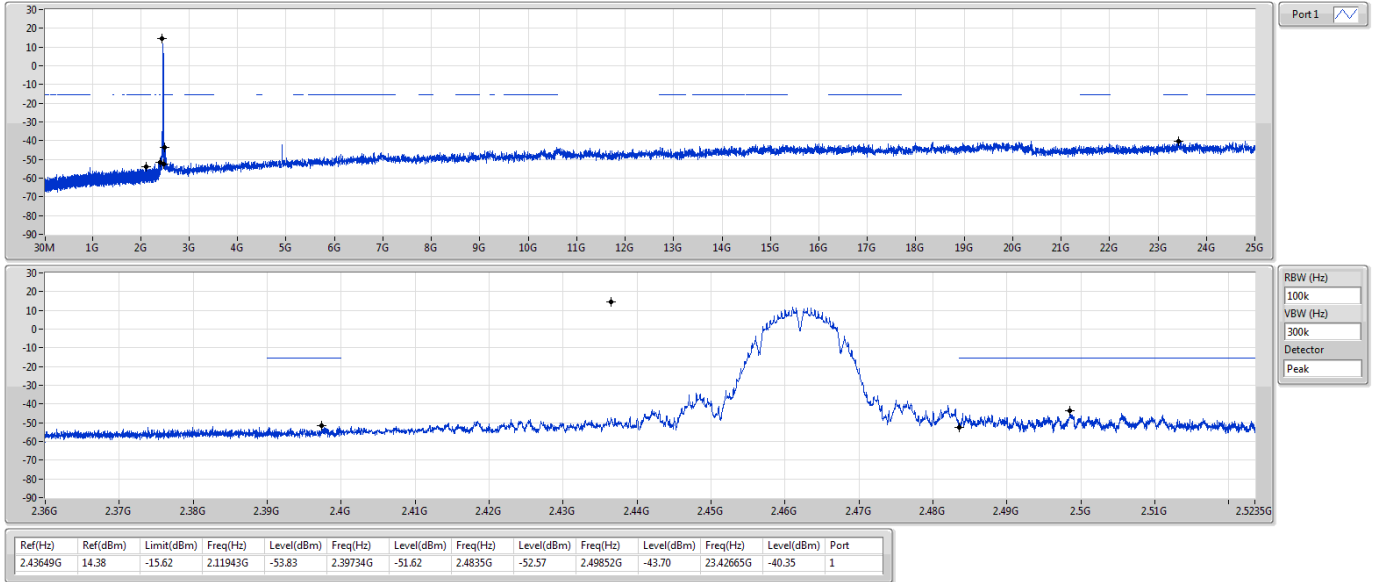
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	14.38	-15.62	2.12787G	-54.19	2.396G	-46.11	2.4G	-48.97	2.4885G	-46.00	2.32215G	-40.47	1

802.11b_Nss1,(1Mbps)_1TX(Port1)

2462MHz

CSENdB

15/09/2020

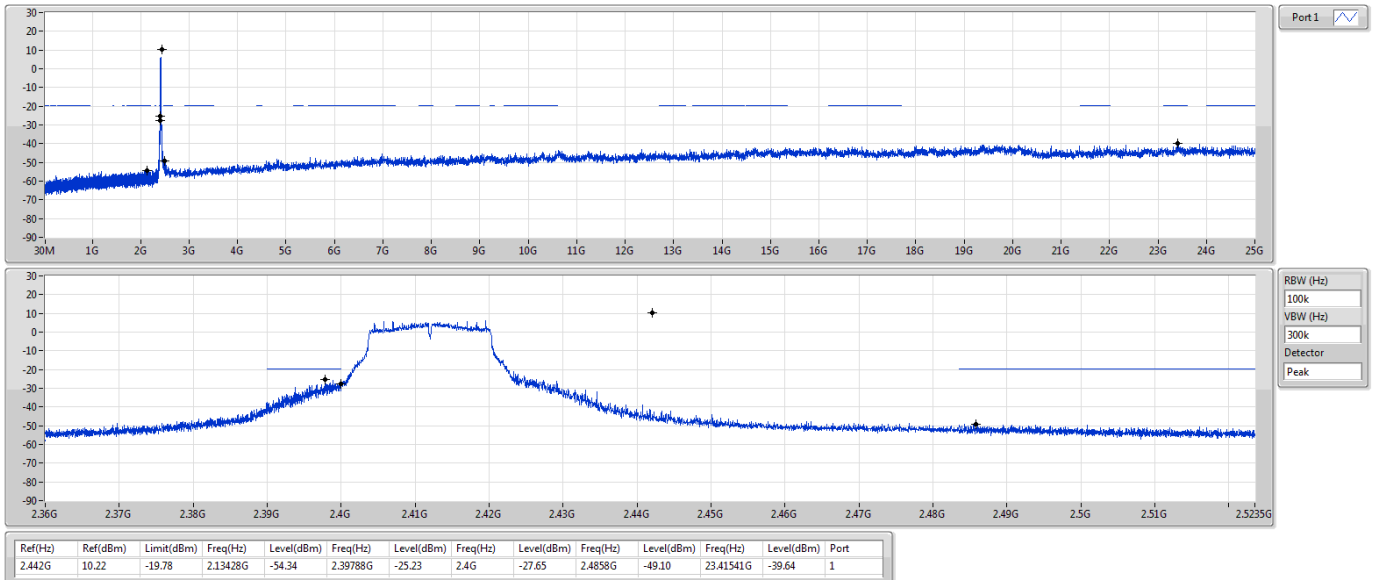


802.11g_Nss1,(6Mbps)_1TX(Port1)

2412MHz

CSENdB

15/09/2020



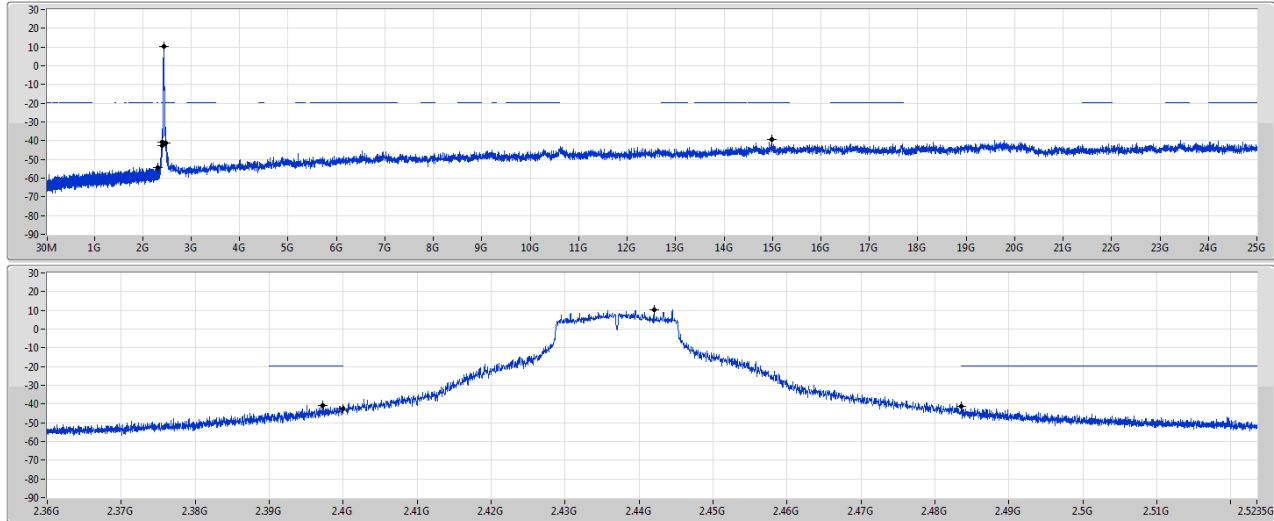
802.11g_Nss1,(6Mbps)_1TX(Port1)

2437MHz

CSENdB

15/09/2020

Port 1



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
2.442G	10.22	-19.78	2.30874G	-54.29	2.39722G	-40.79	2.4G	-42.84	2.48354G	-41.31	14.97829G	-39.20	1

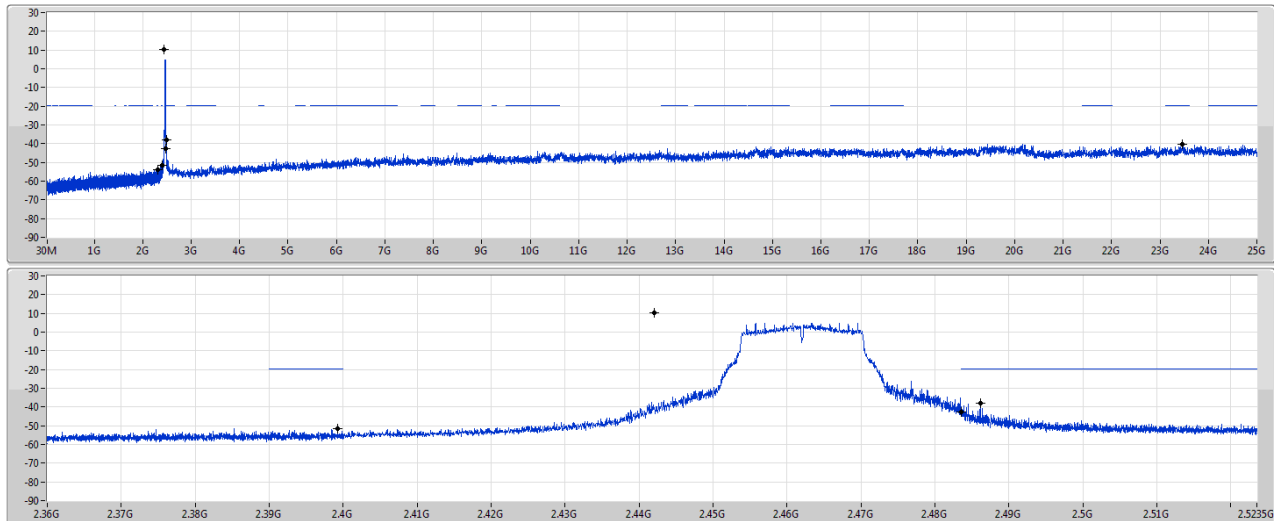
802.11g_Nss1,(6Mbps)_1TX(Port1)

2462MHz

CSENdB

15/09/2020

Port 1



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
2.442G	10.22	-19.78	2.30554G	-53.84	2.39924G	-51.68	2.4835G	-42.65	2.4861G	-38.20	23.46598G	-40.48	1

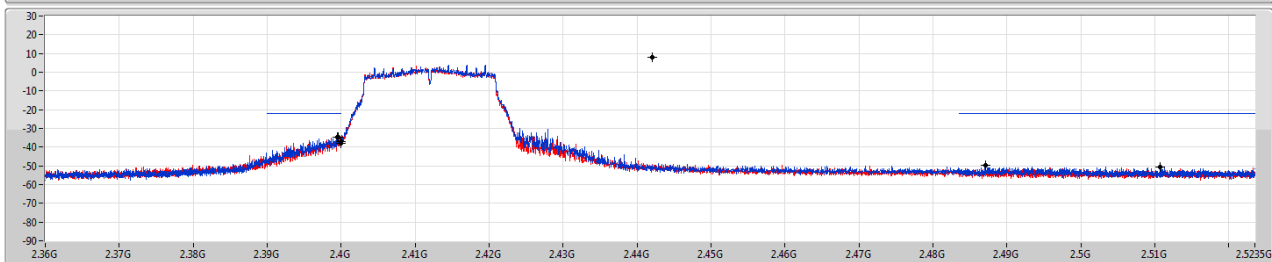
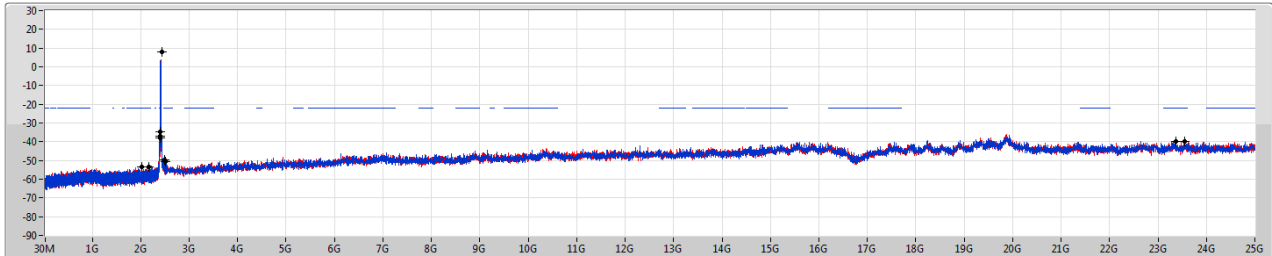
802.11n HT20_Nss1,(MCS0)_2TX

2412MHz

CSENdB

18/09/2020

Port 1
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
2.442G	7.76	-22.24	2.17244G	-53.65	2.39954G	-34.77	2.4G	-37.82	2.48708G	-49.80	23.55027G	-39.87	1
2.442G	7.76	-22.24	2.02594G	-53.42	2.39958G	-34.92	2.4G	-37.26	2.51074G	-50.82	23.36483G	-39.74	2

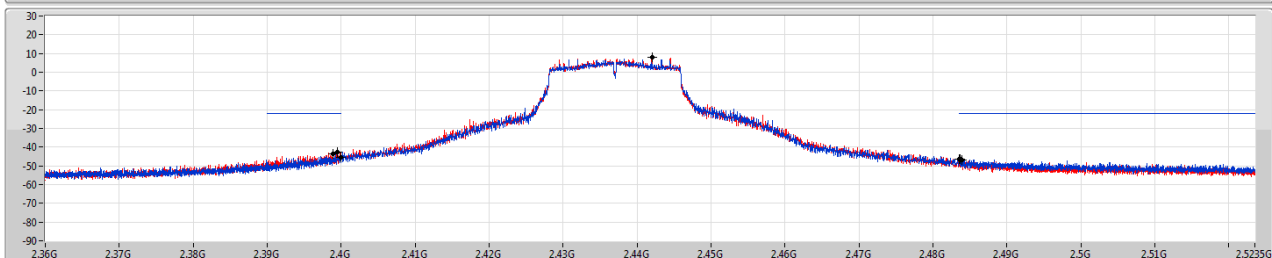
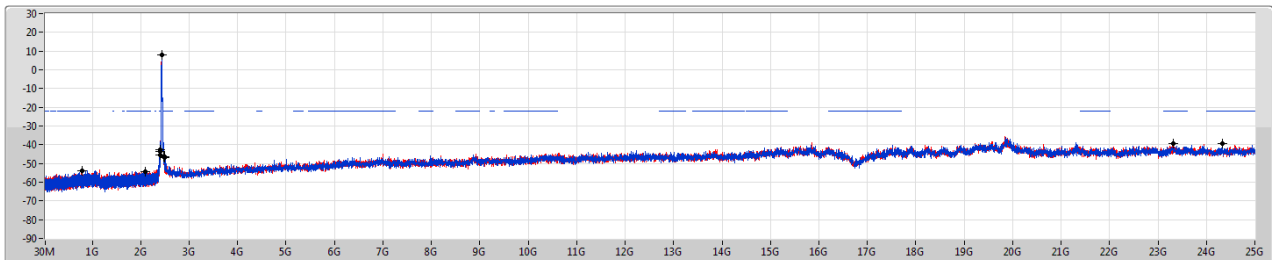
802.11n HT20_Nss1,(MCS0)_2TX

2437MHz

CSENdB

18/09/2020

Port 1
Port 2



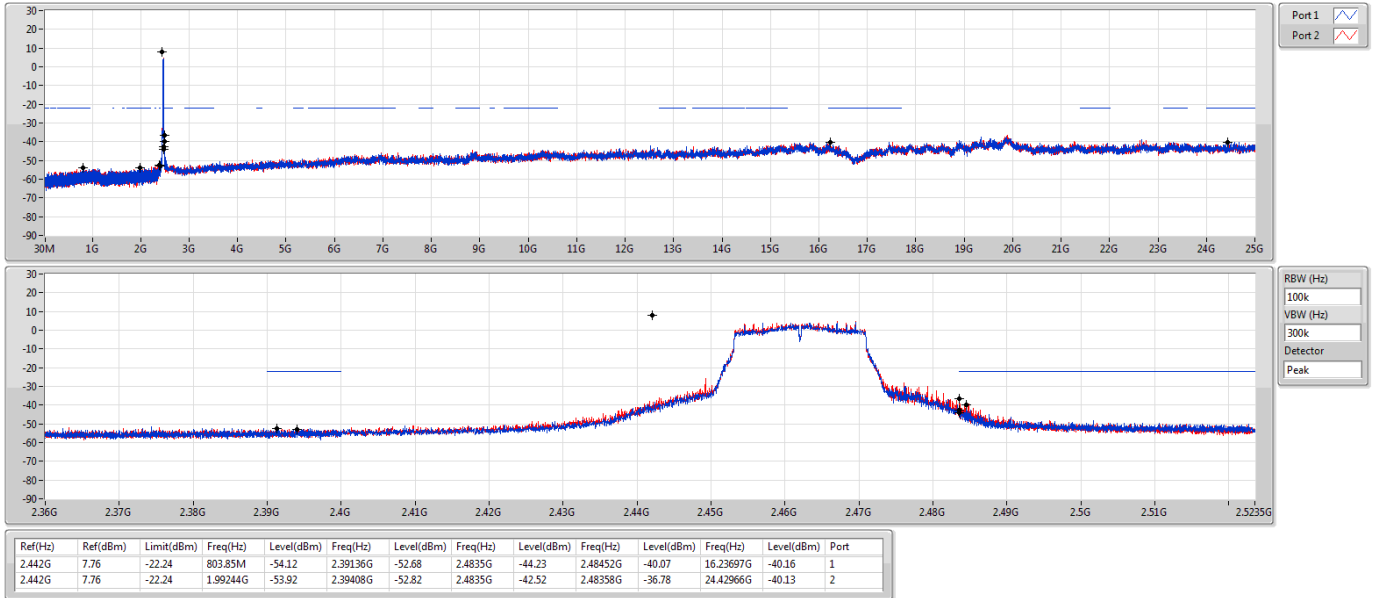
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.442G	7.76	-22.24	788.42M	-53.74	2.39886G	-43.73	2.4835G	-46.62	2.4837G	-46.53	23.31988G	-39.45	1
2.442G	7.76	-22.24	2.09555G	-54.42	2.3995G	-42.61	2.4G	-45.39	2.48388G	-46.67	24.3229G	-39.57	2

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz

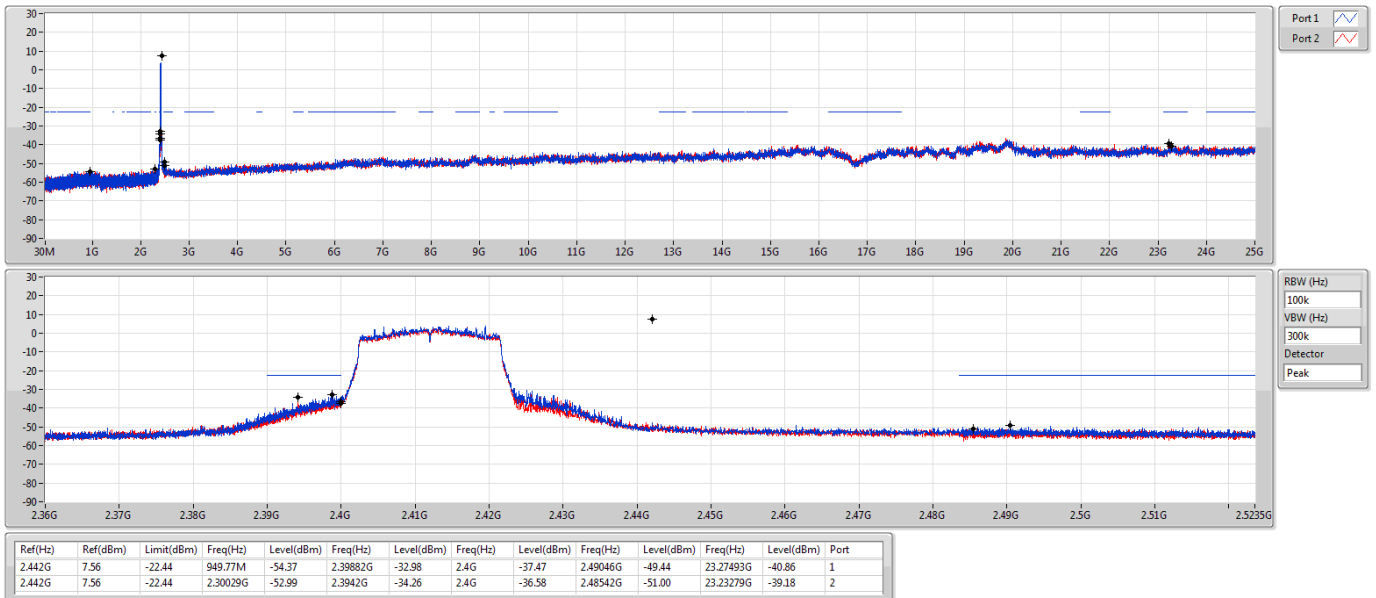
CSENdB



802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

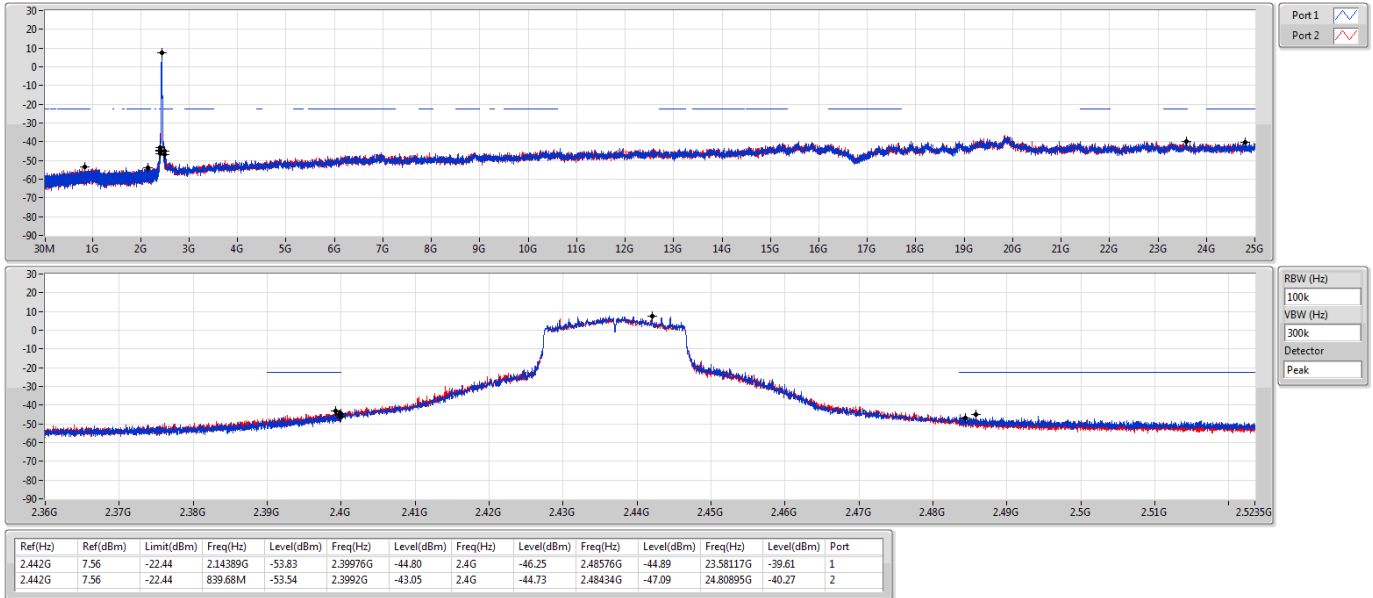
CSENdB



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

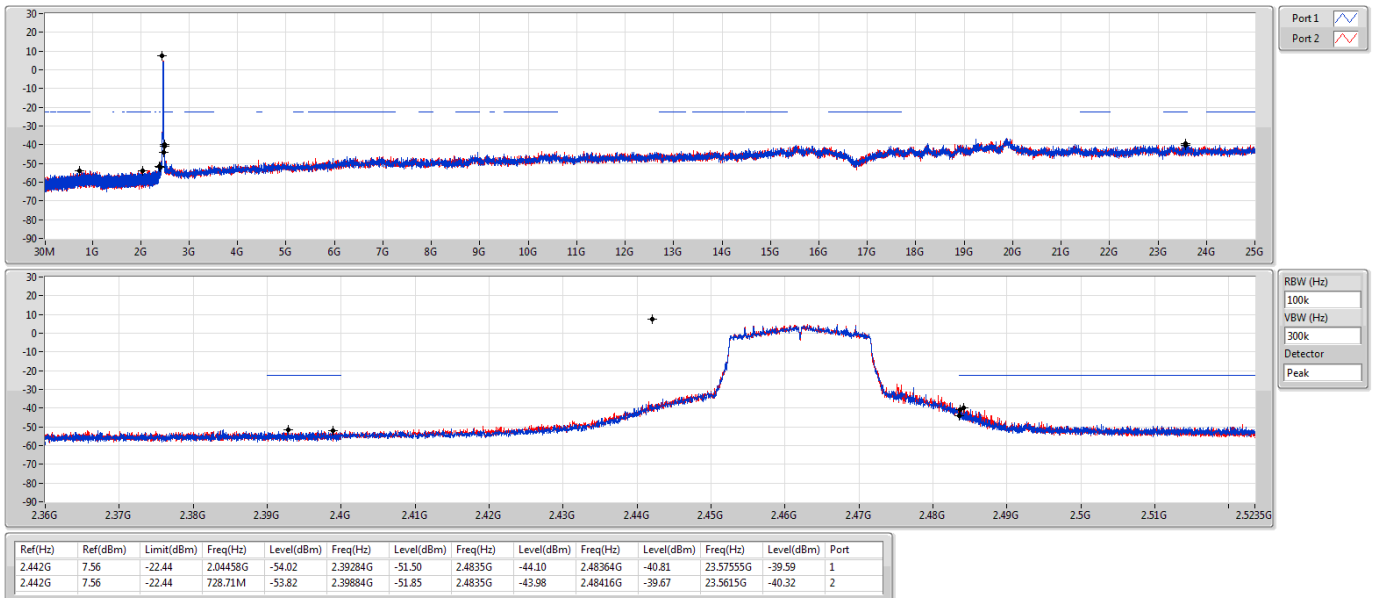
2437MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

2462MHz





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	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	934.04M	38.58	46.00	-7.42	3	Horizontal	360	1.00	-

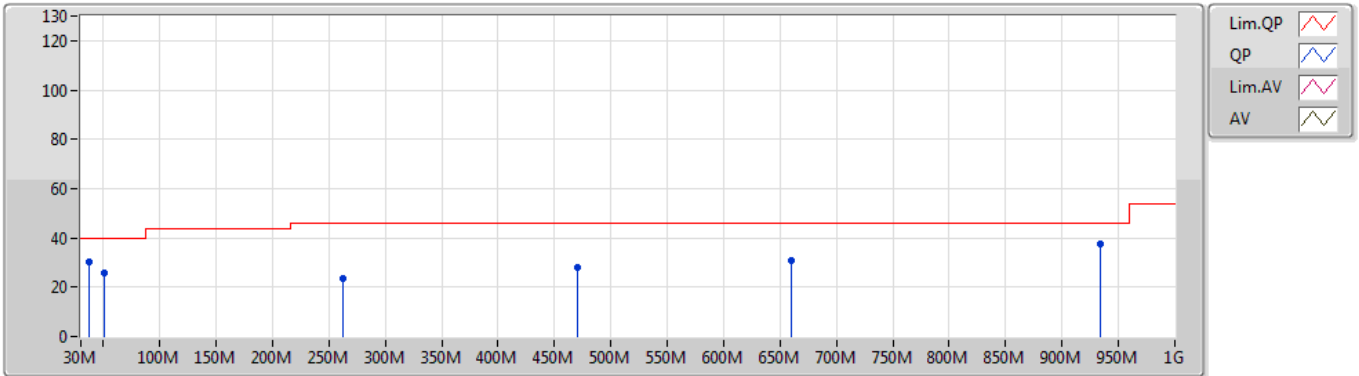
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	37.76M	30.35	40.00	-9.65	3	Vertical	0	1.00	-
2437MHz	Pass	PK	51.34M	25.58	40.00	-14.42	3	Vertical	0	1.00	-
2437MHz	Pass	PK	262.8M	23.63	46.00	-22.37	3	Vertical	0	1.00	-
2437MHz	Pass	PK	470.38M	28.23	46.00	-17.77	3	Vertical	0	1.00	-
2437MHz	Pass	PK	660.5M	30.76	46.00	-15.24	3	Vertical	0	1.00	-
2437MHz	Pass	PK	934.04M	37.73	46.00	-8.27	3	Vertical	0	1.00	-
2437MHz	Pass	PK	33.88M	29.06	40.00	-10.94	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	99.84M	21.28	43.50	-22.22	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	243.4M	24.47	46.00	-21.53	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	439.34M	28.37	46.00	-17.63	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	800.18M	33.55	46.00	-12.45	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	934.04M	38.58	46.00	-7.42	3	Horizontal	360	1.00	-

802.11ax HEW20_Nss1,(MCS0)_2TX

13/09/2020

2437MHz_Adapter

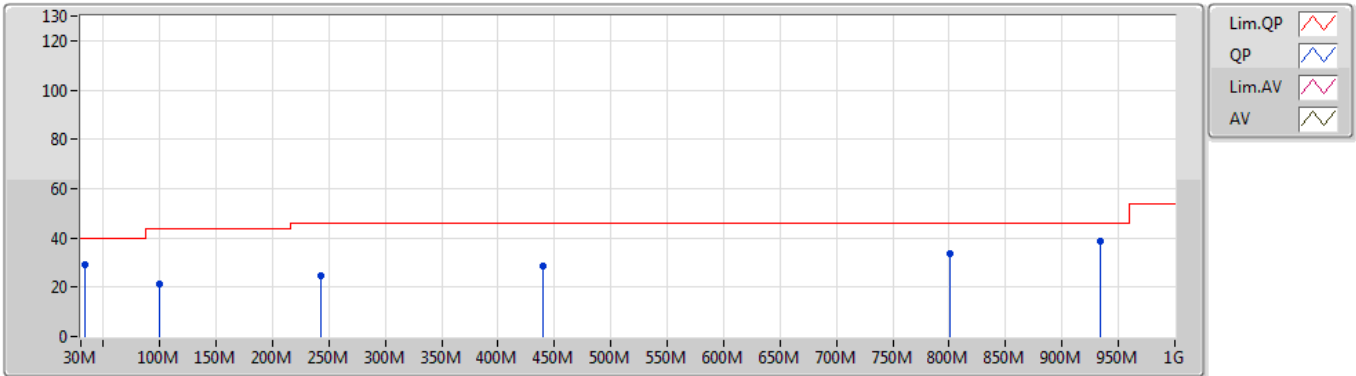


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	37.76M	30.35	40.00	-9.65	-7.21	3	Vertical	0	1.00	-	37.56	19.08	0.86	27.15
PK	51.34M	25.58	40.00	-14.42	-13.89	3	Vertical	0	1.00	-	39.47	12.83	1.00	27.72
PK	262.8M	23.63	46.00	-22.37	-5.93	3	Vertical	0	1.00	-	29.56	18.67	2.45	27.05
PK	470.38M	28.23	46.00	-17.77	-2.24	3	Vertical	0	1.00	-	30.47	22.60	3.32	28.16
PK	660.5M	30.76	46.00	-15.24	-0.08	3	Vertical	0	1.00	-	30.84	24.12	4.04	28.24
PK	934.04M	37.73	46.00	-8.27	3.41	3	Vertical	0	1.00	-	34.32	25.84	4.87	27.30

802.11ax HEW20_Nss1,(MCS0)_2TX

13/09/2020

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	33.88M	29.06	40.00	-10.94	-4.92	3	Horizontal	360	1.00	-	33.98	21.26	0.78	26.96
PK	99.84M	21.28	43.50	-22.22	-10.28	3	Horizontal	360	1.00	-	31.56	16.09	1.40	27.77
PK	243.4M	24.47	46.00	-21.53	-7.89	3	Horizontal	360	1.00	-	32.36	16.83	2.36	27.08
PK	439.34M	28.37	46.00	-17.63	-3.03	3	Horizontal	360	1.00	-	31.40	21.81	3.16	28.00
PK	800.18M	33.55	46.00	-12.45	1.73	3	Horizontal	360	1.00	-	31.82	25.01	4.50	27.78
PK	934.04M	38.58	46.00	-7.42	3.41	3	Horizontal	360	1.00	-	35.17	25.84	4.87	27.30

**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(Port1)	Pass	AV	2.4988G	53.85	54.00	-0.15	3	Horizontal	329	2.92	-
802.11g_Nss1,(6Mbps)_1TX(Port1)	Pass	AV	2.3898G	53.79	54.00	-0.21	3	Horizontal	321	2.70	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.484G	53.94	54.00	-0.06	3	Horizontal	324	1.01	-

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(Port1)	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	51.09	54.00	-2.91	3	Vertical	47	2.33	-
2412MHz	Pass	AV	2.4112G	103.75	Inf	-Inf	3	Vertical	47	2.33	-
2412MHz	Pass	PK	2.3896G	60.08	74.00	-13.92	3	Vertical	47	2.33	-
2412MHz	Pass	PK	2.413G	107.80	Inf	-Inf	3	Vertical	47	2.33	-
2412MHz	Pass	AV	2.39G	51.32	54.00	-2.68	3	Horizontal	333	2.74	-
2412MHz	Pass	AV	2.4112G	109.31	Inf	-Inf	3	Horizontal	333	2.74	-
2412MHz	Pass	PK	2.3818G	60.05	74.00	-13.95	3	Horizontal	333	2.74	-
2412MHz	Pass	PK	2.413G	113.30	Inf	-Inf	3	Horizontal	333	2.74	-
2412MHz	Pass	AV	4.824G	38.59	54.00	-15.41	3	Vertical	248	2.52	-
2412MHz	Pass	PK	4.82394G	46.95	74.00	-27.05	3	Vertical	248	2.52	-
2412MHz	Pass	AV	4.82401G	40.35	54.00	-13.65	3	Horizontal	118	2.56	-
2412MHz	Pass	PK	4.82409G	47.32	74.00	-26.68	3	Horizontal	118	2.56	-
2437MHz	Pass	AV	2.3882G	46.87	54.00	-7.13	3	Vertical	61	2.65	-
2437MHz	Pass	AV	2.4362G	105.35	Inf	-Inf	3	Vertical	61	2.65	-
2437MHz	Pass	AV	2.4835G	48.11	54.00	-5.89	3	Vertical	61	2.65	-
2437MHz	Pass	PK	2.3406G	58.34	74.00	-15.66	3	Vertical	61	2.65	-
2437MHz	Pass	PK	2.4362G	109.14	Inf	-Inf	3	Vertical	61	2.65	-
2437MHz	Pass	PK	2.4835G	59.00	74.00	-15.00	3	Vertical	61	2.65	-
2437MHz	Pass	AV	2.3882G	49.50	54.00	-4.50	3	Horizontal	336	1.27	-
2437MHz	Pass	AV	2.4362G	110.76	Inf	-Inf	3	Horizontal	336	1.27	-
2437MHz	Pass	AV	2.4835G	51.09	54.00	-2.91	3	Horizontal	336	1.27	-
2437MHz	Pass	PK	2.3886G	59.76	74.00	-14.24	3	Horizontal	336	1.27	-
2437MHz	Pass	PK	2.4362G	114.61	Inf	-Inf	3	Horizontal	336	1.27	-
2437MHz	Pass	PK	2.4946G	60.84	74.00	-13.16	3	Horizontal	336	1.27	-
2437MHz	Pass	AV	4.87406G	33.44	54.00	-20.56	3	Vertical	243	2.48	-
2437MHz	Pass	AV	7.31026G	43.46	54.00	-10.54	3	Vertical	124	1.50	-
2437MHz	Pass	PK	4.87416G	44.23	74.00	-29.77	3	Vertical	243	2.48	-
2437MHz	Pass	PK	7.31002G	53.21	74.00	-20.79	3	Vertical	124	1.50	-
2437MHz	Pass	AV	4.87096G	34.50	54.00	-19.50	3	Horizontal	349	2.82	-
2437MHz	Pass	AV	7.31028G	40.19	54.00	-13.81	3	Horizontal	337	2.64	-
2437MHz	Pass	PK	4.87072G	45.35	74.00	-28.65	3	Horizontal	349	2.82	-
2437MHz	Pass	PK	7.31164G	51.24	74.00	-22.76	3	Horizontal	337	2.64	-
2462MHz	Pass	AV	2.4612G	102.94	Inf	-Inf	3	Vertical	47	1.42	-
2462MHz	Pass	AV	2.4835G	48.87	54.00	-5.13	3	Vertical	47	1.42	-
2462MHz	Pass	PK	2.461G	107.08	Inf	-Inf	3	Vertical	47	1.42	-
2462MHz	Pass	PK	2.4874G	60.02	74.00	-13.98	3	Vertical	47	1.42	-
2462MHz	Pass	AV	2.4628G	107.40	Inf	-Inf	3	Horizontal	329	2.92	-
2462MHz	Pass	AV	2.4988G	53.85	54.00	-0.15	3	Horizontal	329	2.92	-
2462MHz	Pass	PK	2.463G	111.35	Inf	-Inf	3	Horizontal	329	2.92	-
2462MHz	Pass	PK	2.484G	63.28	74.00	-10.72	3	Horizontal	329	2.92	-
2462MHz	Pass	AV	4.92402G	34.25	54.00	-19.75	3	Vertical	228	2.55	-
2462MHz	Pass	AV	7.38676G	42.86	54.00	-11.14	3	Vertical	263	1.04	-
2462MHz	Pass	PK	4.92384G	44.42	74.00	-29.58	3	Vertical	228	2.55	-
2462MHz	Pass	PK	7.38724G	52.51	74.00	-21.49	3	Vertical	263	1.04	-
2462MHz	Pass	AV	4.92402G	33.48	54.00	-20.52	3	Horizontal	329	1.14	-
2462MHz	Pass	AV	7.38696G	37.51	54.00	-16.49	3	Horizontal	341	3.00	-
2462MHz	Pass	PK	4.92416G	44.64	74.00	-29.36	3	Horizontal	329	1.14	-
2462MHz	Pass	PK	7.38664G	50.07	74.00	-23.93	3	Horizontal	341	3.00	-
2417MHz	Pass	AV	2.3862G	46.70	54.00	-7.30	3	Vertical	44	2.32	-
2417MHz	Pass	AV	2.4162G	103.26	Inf	-Inf	3	Vertical	44	2.32	-
2417MHz	Pass	PK	2.374G	58.35	74.00	-15.65	3	Vertical	44	2.32	-
2417MHz	Pass	PK	2.416G	107.12	Inf	-Inf	3	Vertical	44	2.32	-
2417MHz	Pass	AV	2.3862G	50.40	54.00	-3.60	3	Horizontal	319	1.51	-
2417MHz	Pass	AV	2.4162G	109.49	Inf	-Inf	3	Horizontal	319	1.51	-
2417MHz	Pass	PK	2.3826G	60.73	74.00	-13.27	3	Horizontal	319	1.51	-
2417MHz	Pass	PK	2.416G	113.37	Inf	-Inf	3	Horizontal	319	1.51	-
2457MHz	Pass	AV	2.4578G	103.55	Inf	-Inf	3	Vertical	47	1.41	-
2457MHz	Pass	AV	2.4978G	47.72	54.00	-6.28	3	Vertical	47	1.41	-
2457MHz	Pass	PK	2.458G	107.54	Inf	-Inf	3	Vertical	47	1.41	-
2457MHz	Pass	PK	2.4978G	59.68	74.00	-14.32	3	Vertical	47	1.41	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	AV	2.4562G	109.37	Inf	-Inf	3	Horizontal	339	1.51	-
2457MHz	Pass	AV	2.4978G	51.97	54.00	-2.03	3	Horizontal	339	1.51	-
2457MHz	Pass	PK	2.458G	113.26	Inf	-Inf	3	Horizontal	339	1.51	-
2457MHz	Pass	PK	2.4976G	62.24	74.00	-11.76	3	Horizontal	339	1.51	-
802.11g_Nss1_(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	49.16	54.00	-4.84	3	Vertical	49	2.41	-
2412MHz	Pass	AV	2.4128G	95.86	Inf	-Inf	3	Vertical	49	2.41	-
2412MHz	Pass	PK	2.3898G	65.66	74.00	-8.34	3	Vertical	49	2.41	-
2412MHz	Pass	PK	2.4132G	106.35	Inf	-Inf	3	Vertical	49	2.41	-
2412MHz	Pass	AV	2.3898G	53.58	54.00	-0.42	3	Horizontal	320	1.99	-
2412MHz	Pass	AV	2.4114G	100.54	Inf	-Inf	3	Horizontal	320	1.99	-
2412MHz	Pass	PK	2.3894G	72.63	74.00	-1.37	3	Horizontal	320	1.99	-
2412MHz	Pass	PK	2.4098G	111.38	Inf	-Inf	3	Horizontal	320	1.99	-
2412MHz	Pass	AV	4.829G	29.25	54.00	-24.75	3	Vertical	141	2.08	-
2412MHz	Pass	PK	4.82044G	43.02	74.00	-30.98	3	Vertical	141	2.08	-
2412MHz	Pass	AV	4.82878G	29.29	54.00	-24.71	3	Horizontal	68	1.65	-
2412MHz	Pass	PK	4.82864G	43.16	74.00	-30.84	3	Horizontal	68	1.65	-
2437MHz	Pass	AV	2.3898G	49.20	54.00	-4.80	3	Vertical	46	1.48	-
2437MHz	Pass	AV	2.4378G	99.53	Inf	-Inf	3	Vertical	46	1.48	-
2437MHz	Pass	AV	2.4835G	48.86	54.00	-5.14	3	Vertical	46	1.48	-
2437MHz	Pass	PK	2.3874G	63.50	74.00	-10.50	3	Vertical	46	1.48	-
2437MHz	Pass	PK	2.4378G	109.77	Inf	-Inf	3	Vertical	46	1.48	-
2437MHz	Pass	PK	2.4838G	62.06	74.00	-11.94	3	Vertical	46	1.48	-
2437MHz	Pass	AV	2.3898G	53.79	54.00	-0.21	3	Horizontal	321	2.70	-
2437MHz	Pass	AV	2.4362G	105.51	Inf	-Inf	3	Horizontal	321	2.70	-
2437MHz	Pass	AV	2.4835G	53.21	54.00	-0.79	3	Horizontal	321	2.70	-
2437MHz	Pass	PK	2.3894G	67.64	74.00	-6.36	3	Horizontal	321	2.70	-
2437MHz	Pass	PK	2.433G	116.00	Inf	-Inf	3	Horizontal	321	2.70	-
2437MHz	Pass	PK	2.4838G	67.08	74.00	-6.92	3	Horizontal	321	2.70	-
2437MHz	Pass	AV	4.87332G	29.65	54.00	-24.35	3	Vertical	198	1.33	-
2437MHz	Pass	AV	7.30868G	40.30	54.00	-13.70	3	Vertical	247	1.05	-
2437MHz	Pass	PK	4.87476G	43.98	74.00	-30.02	3	Vertical	198	1.33	-
2437MHz	Pass	PK	7.30692G	54.28	74.00	-19.72	3	Vertical	247	1.05	-
2437MHz	Pass	AV	4.87646G	29.72	54.00	-24.28	3	Horizontal	343	2.42	-
2437MHz	Pass	AV	7.30708G	36.12	54.00	-17.88	3	Horizontal	98	1.08	-
2437MHz	Pass	PK	4.87256G	43.92	74.00	-30.08	3	Horizontal	343	2.42	-
2437MHz	Pass	PK	7.31144G	50.06	74.00	-23.94	3	Horizontal	98	1.08	-
2462MHz	Pass	AV	2.4614G	95.22	Inf	-Inf	3	Vertical	47	1.41	-
2462MHz	Pass	AV	2.4835G	49.53	54.00	-4.47	3	Vertical	47	1.41	-
2462MHz	Pass	PK	2.4632G	105.52	Inf	-Inf	3	Vertical	47	1.41	-
2462MHz	Pass	PK	2.484G	67.02	74.00	-6.98	3	Vertical	47	1.41	-
2462MHz	Pass	AV	2.4626G	100.69	Inf	-Inf	3	Horizontal	339	1.49	-
2462MHz	Pass	AV	2.4835G	53.46	54.00	-0.54	3	Horizontal	339	1.49	-
2462MHz	Pass	PK	2.4598G	111.96	Inf	-Inf	3	Horizontal	339	1.49	-
2462MHz	Pass	PK	2.4835G	73.07	74.00	-0.93	3	Horizontal	339	1.49	-
2462MHz	Pass	AV	4.92422G	29.61	54.00	-24.39	3	Vertical	319	1.01	-
2462MHz	Pass	AV	7.3832G	36.32	54.00	-17.68	3	Vertical	193	2.34	-
2462MHz	Pass	PK	4.92092G	43.85	74.00	-30.15	3	Vertical	319	1.01	-
2462MHz	Pass	PK	7.3858G	50.26	74.00	-23.74	3	Vertical	193	2.34	-
2462MHz	Pass	AV	4.92422G	29.72	54.00	-24.28	3	Horizontal	224	1.42	-
2462MHz	Pass	AV	7.39044G	36.03	54.00	-17.97	3	Horizontal	48	1.03	-
2462MHz	Pass	PK	4.92874G	43.35	74.00	-30.65	3	Horizontal	224	1.42	-
2462MHz	Pass	PK	7.38396G	49.60	74.00	-24.40	3	Horizontal	48	1.03	-
2417MHz	Pass	AV	2.39G	48.92	54.00	-5.08	3	Vertical	49	2.33	-
2417MHz	Pass	AV	2.4182G	97.17	Inf	-Inf	3	Vertical	49	2.33	-
2417MHz	Pass	PK	2.3882G	63.74	74.00	-10.26	3	Vertical	49	2.33	-
2417MHz	Pass	PK	2.4166G	107.82	Inf	-Inf	3	Vertical	49	2.33	-
2417MHz	Pass	AV	2.39G	52.66	54.00	-1.34	3	Horizontal	321	2.99	-
2417MHz	Pass	AV	2.4176G	102.66	Inf	-Inf	3	Horizontal	321	2.99	-
2417MHz	Pass	PK	2.3876G	68.56	74.00	-5.44	3	Horizontal	321	2.99	-
2417MHz	Pass	PK	2.4166G	113.14	Inf	-Inf	3	Horizontal	321	2.99	-
2457MHz	Pass	AV	2.4578G	96.60	Inf	-Inf	3	Vertical	47	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	AV	2.4835G	49.05	54.00	-4.95	3	Vertical	47	1.00	-
2457MHz	Pass	PK	2.46G	107.29	Inf	-Inf	3	Vertical	47	1.00	-
2457MHz	Pass	PK	2.4846G	65.55	74.00	-8.45	3	Vertical	47	1.00	-
2457MHz	Pass	AV	2.458G	102.24	Inf	-Inf	3	Horizontal	339	1.50	-
2457MHz	Pass	AV	2.4835G	53.30	54.00	-0.70	3	Horizontal	339	1.50	-
2457MHz	Pass	PK	2.455G	113.37	Inf	-Inf	3	Horizontal	339	1.50	-
2457MHz	Pass	PK	2.4842G	70.83	74.00	-3.17	3	Horizontal	339	1.50	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.89	54.00	-3.11	3	Vertical	212	1.91	-
2412MHz	Pass	AV	2.4128G	96.28	Inf	-Inf	3	Vertical	212	1.91	-
2412MHz	Pass	PK	2.39G	65.31	74.00	-8.69	3	Vertical	212	1.91	-
2412MHz	Pass	PK	2.4126G	109.02	Inf	-Inf	3	Vertical	212	1.91	-
2412MHz	Pass	AV	2.3894G	53.85	54.00	-0.15	3	Horizontal	327	1.14	-
2412MHz	Pass	AV	2.4116G	100.01	Inf	-Inf	3	Horizontal	327	1.14	-
2412MHz	Pass	PK	2.389G	68.56	74.00	-5.44	3	Horizontal	327	1.14	-
2412MHz	Pass	PK	2.4116G	113.35	Inf	-Inf	3	Horizontal	327	1.14	-
2412MHz	Pass	AV	4.82286G	32.39	54.00	-21.61	3	Vertical	118	1.48	-
2412MHz	Pass	PK	4.82268G	45.57	74.00	-28.43	3	Vertical	118	1.48	-
2412MHz	Pass	AV	4.82244G	33.45	54.00	-20.55	3	Horizontal	183	1.50	-
2412MHz	Pass	PK	4.82742G	46.73	74.00	-27.27	3	Horizontal	183	1.50	-
2437MHz	Pass	AV	2.389G	48.40	54.00	-5.60	3	Vertical	64	1.34	-
2437MHz	Pass	AV	2.4358G	101.12	Inf	-Inf	3	Vertical	64	1.34	-
2437MHz	Pass	AV	2.4838G	48.81	54.00	-5.19	3	Vertical	64	1.34	-
2437MHz	Pass	PK	2.3866G	63.01	74.00	-10.99	3	Vertical	64	1.34	-
2437MHz	Pass	PK	2.4358G	114.21	Inf	-Inf	3	Vertical	64	1.34	-
2437MHz	Pass	PK	2.4846G	64.07	74.00	-9.93	3	Vertical	64	1.34	-
2437MHz	Pass	AV	2.3898G	52.79	54.00	-1.21	3	Horizontal	326	1.04	-
2437MHz	Pass	AV	2.4366G	104.85	Inf	-Inf	3	Horizontal	326	1.04	-
2437MHz	Pass	AV	2.4842G	51.36	54.00	-2.64	3	Horizontal	326	1.04	-
2437MHz	Pass	PK	2.3894G	69.05	74.00	-4.95	3	Horizontal	326	1.04	-
2437MHz	Pass	PK	2.4346G	117.24	Inf	-Inf	3	Horizontal	326	1.04	-
2437MHz	Pass	PK	2.4842G	66.98	74.00	-7.02	3	Horizontal	326	1.04	-
2437MHz	Pass	AV	4.87532G	32.14	54.00	-21.86	3	Vertical	52	1.46	-
2437MHz	Pass	AV	7.30962G	43.22	54.00	-10.78	3	Vertical	360	1.17	-
2437MHz	Pass	PK	4.87988G	45.16	74.00	-28.84	3	Vertical	52	1.46	-
2437MHz	Pass	PK	7.30944G	56.76	74.00	-17.24	3	Vertical	360	1.17	-
2437MHz	Pass	AV	4.8725G	33.21	54.00	-20.79	3	Horizontal	181	1.51	-
2437MHz	Pass	AV	7.31034G	39.55	54.00	-14.45	3	Horizontal	325	1.17	-
2437MHz	Pass	PK	4.87502G	45.86	74.00	-28.14	3	Horizontal	181	1.51	-
2437MHz	Pass	PK	7.30548G	53.52	74.00	-20.48	3	Horizontal	325	1.17	-
2462MHz	Pass	AV	2.463G	98.29	Inf	-Inf	3	Vertical	212	1.39	-
2462MHz	Pass	AV	2.4835G	50.92	54.00	-3.08	3	Vertical	212	1.39	-
2462MHz	Pass	PK	2.4628G	111.56	Inf	-Inf	3	Vertical	212	1.39	-
2462MHz	Pass	PK	2.4852G	69.05	74.00	-4.95	3	Vertical	212	1.39	-
2462MHz	Pass	AV	2.4614G	101.31	Inf	-Inf	3	Horizontal	324	1.01	-
2462MHz	Pass	AV	2.484G	53.94	54.00	-0.06	3	Horizontal	324	1.01	-
2462MHz	Pass	PK	2.4646G	114.59	Inf	-Inf	3	Horizontal	324	1.01	-
2462MHz	Pass	PK	2.484G	73.81	74.00	-0.19	3	Horizontal	324	1.01	-
2462MHz	Pass	AV	4.92472G	31.56	54.00	-22.44	3	Vertical	120	2.93	-
2462MHz	Pass	AV	7.3857G	38.37	54.00	-15.63	3	Vertical	249	1.02	-
2462MHz	Pass	PK	4.9255G	45.15	74.00	-28.85	3	Vertical	120	2.93	-
2462MHz	Pass	PK	7.39044G	52.38	74.00	-21.62	3	Vertical	249	1.02	-
2462MHz	Pass	AV	4.92238G	32.80	54.00	-21.20	3	Horizontal	186	2.17	-
2462MHz	Pass	AV	7.3851G	37.31	54.00	-16.69	3	Horizontal	63	1.00	-
2462MHz	Pass	PK	4.92046G	46.15	74.00	-27.85	3	Horizontal	186	2.17	-
2462MHz	Pass	PK	7.38492G	50.88	74.00	-23.12	3	Horizontal	63	1.00	-
2417MHz	Pass	AV	2.3886G	50.50	54.00	-3.50	3	Vertical	62	1.43	-
2417MHz	Pass	AV	2.416G	98.68	Inf	-Inf	3	Vertical	62	1.43	-
2417MHz	Pass	PK	2.3886G	68.26	74.00	-5.74	3	Vertical	62	1.43	-
2417MHz	Pass	PK	2.4182G	111.59	Inf	-Inf	3	Vertical	62	1.43	-
2417MHz	Pass	AV	2.3892G	53.43	54.00	-0.57	3	Horizontal	329	1.08	-
2417MHz	Pass	AV	2.4166G	102.11	Inf	-Inf	3	Horizontal	329	1.08	-



RSE TX above 1GHz

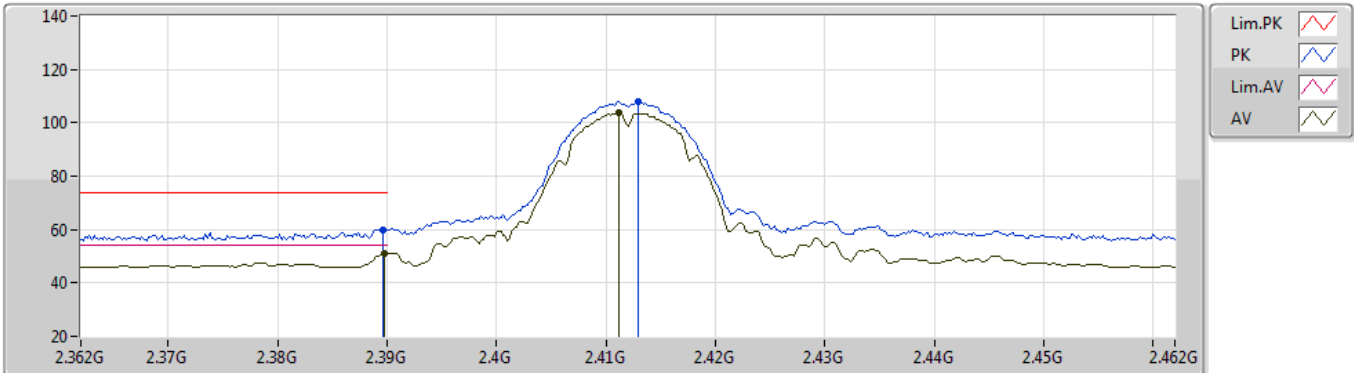
Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2417MHz	Pass	PK	2.3894G	71.54	74.00	-2.46	3	Horizontal	329	1.08	-
2417MHz	Pass	PK	2.4162G	115.14	Inf	-Inf	3	Horizontal	329	1.08	-
2457MHz	Pass	AV	2.458G	99.75	Inf	-Inf	3	Vertical	212	1.40	-
2457MHz	Pass	AV	2.4835G	51.54	54.00	-2.46	3	Vertical	212	1.40	-
2457MHz	Pass	PK	2.4604G	112.93	Inf	-Inf	3	Vertical	212	1.40	-
2457MHz	Pass	PK	2.4835G	70.09	74.00	-3.91	3	Vertical	212	1.40	-
2457MHz	Pass	AV	2.4566G	103.24	Inf	-Inf	3	Horizontal	323	1.15	-
2457MHz	Pass	AV	2.4838G	53.17	54.00	-0.83	3	Horizontal	323	1.15	-
2457MHz	Pass	PK	2.4568G	116.36	Inf	-Inf	3	Horizontal	323	1.15	-
2457MHz	Pass	PK	2.4844G	70.70	74.00	-3.30	3	Horizontal	323	1.15	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2412MHz_TX

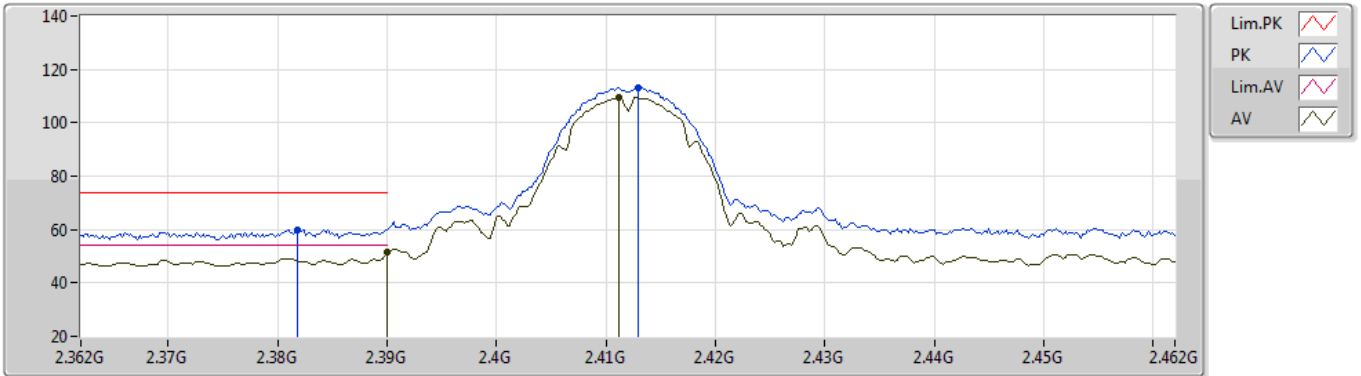


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	51.09	54.00	-2.91	33.57	3	Vertical	47	2.33	-	17.52	27.62	5.95	-
AV	2.4112G	103.75	Inf	-Inf	33.53	3	Vertical	47	2.33	-	70.22	27.56	5.97	-
PK	2.3896G	60.08	74.00	-13.92	33.57	3	Vertical	47	2.33	-	26.51	27.62	5.95	-
PK	2.413G	107.80	Inf	-Inf	33.53	3	Vertical	47	2.33	-	74.27	27.55	5.98	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2412MHz_TX

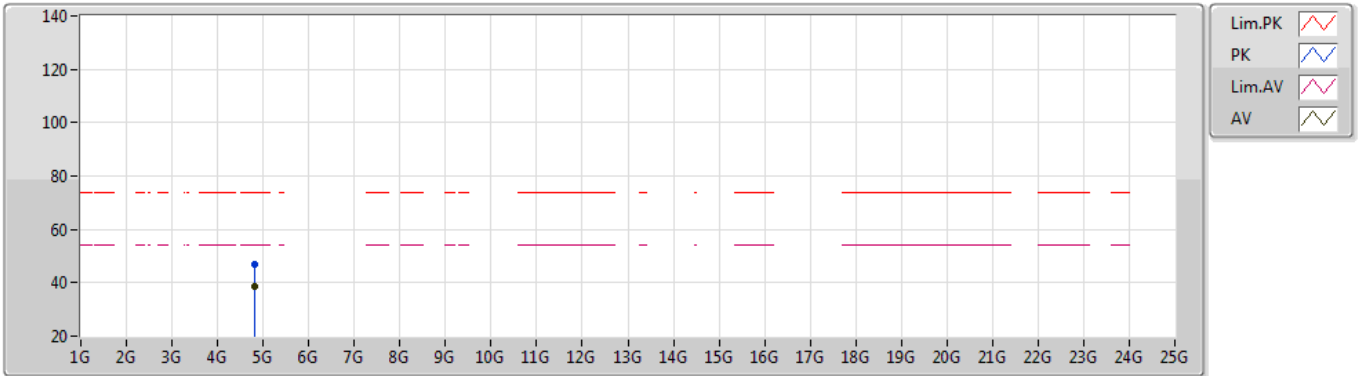


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.32	54.00	-2.68	33.57	3	Horizontal	333	2.74	-	17.75	27.62	5.95	-
AV	2.4112G	109.31	Inf	-Inf	33.53	3	Horizontal	333	2.74	-	75.78	27.56	5.97	-
PK	2.3818G	60.05	74.00	-13.95	33.59	3	Horizontal	333	2.74	-	26.46	27.64	5.95	-
PK	2.413G	113.30	Inf	-Inf	33.53	3	Horizontal	333	2.74	-	79.77	27.55	5.98	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2412MHz_TX

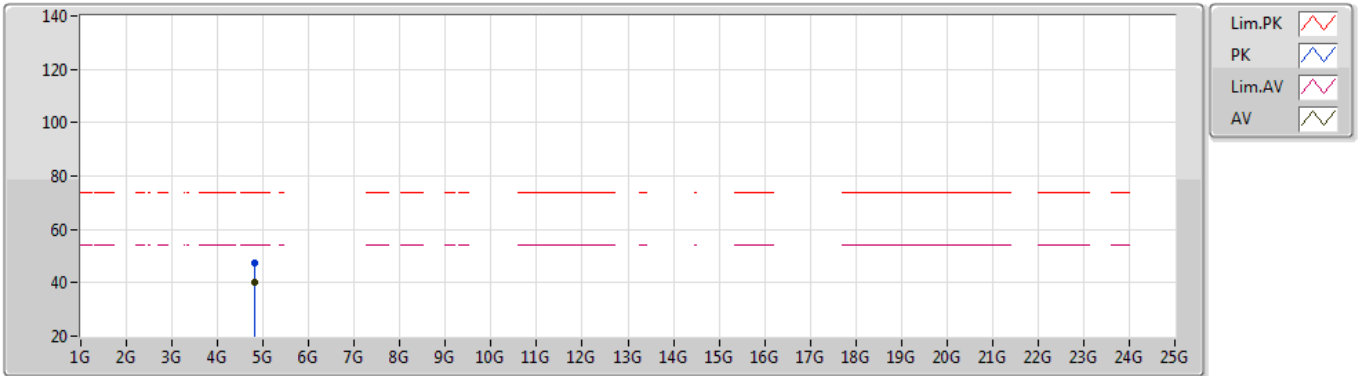


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	38.59	54.00	-15.41	5.37	3	Vertical	248	2.52	-	33.22	31.00	8.27	33.90
PK	4.82394G	46.95	74.00	-27.05	5.37	3	Vertical	248	2.52	-	41.58	31.00	8.27	33.90

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2412MHz_TX

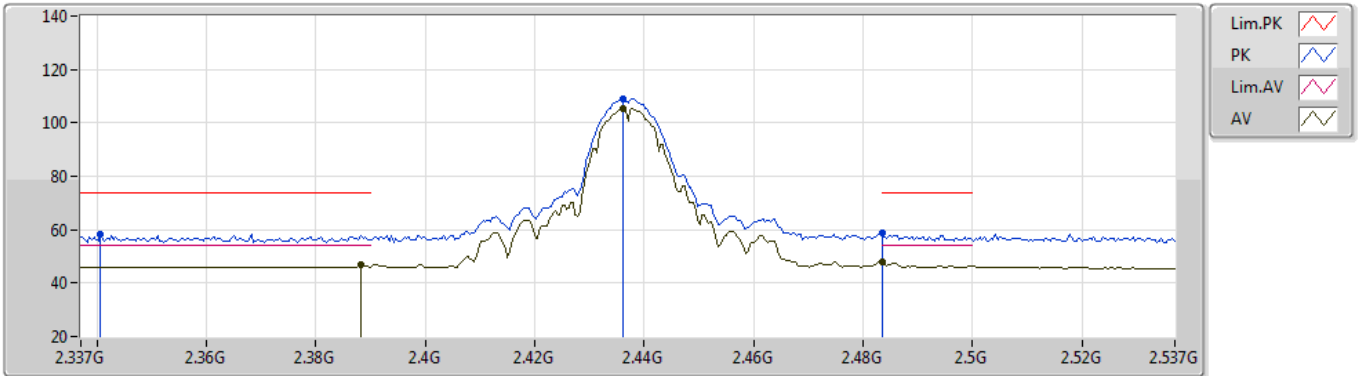


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82401G	40.35	54.00	-13.65	5.37	3	Horizontal	118	2.56	-	34.98	31.00	8.27	33.90
PK	4.82409G	47.32	74.00	-26.68	5.37	3	Horizontal	118	2.56	-	41.95	31.00	8.27	33.90

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2437MHz_TX

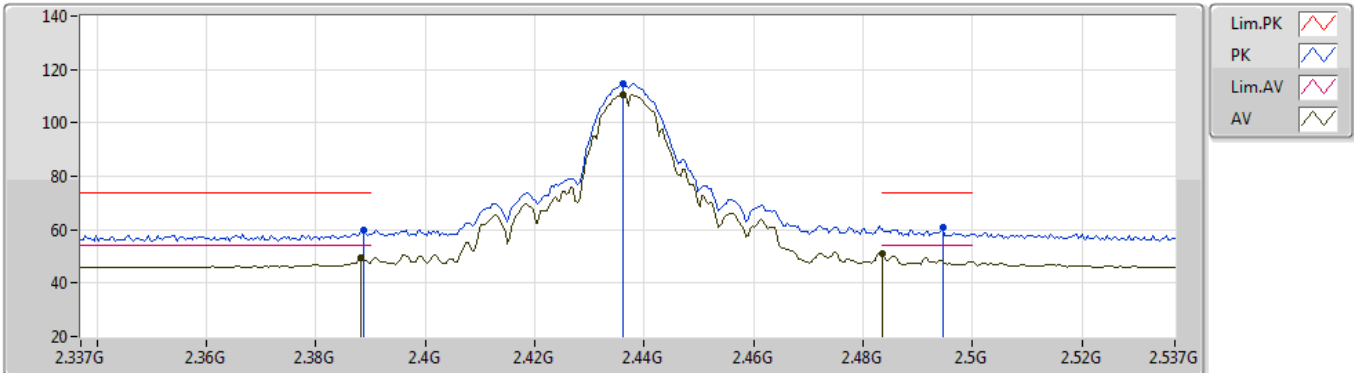


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	46.87	54.00	-7.13	33.57	3	Vertical	61	2.65	-	13.30	27.62	5.95	-
AV	2.4362G	105.35	Inf	-Inf	33.46	3	Vertical	61	2.65	-	71.89	27.46	6.00	-
AV	2.4835G	48.11	54.00	-5.89	33.46	3	Vertical	61	2.65	-	14.65	27.40	6.06	-
PK	2.3406G	58.34	74.00	-15.66	33.66	3	Vertical	61	2.65	-	24.68	27.74	5.92	-
PK	2.4362G	109.14	Inf	-Inf	33.46	3	Vertical	61	2.65	-	75.68	27.46	6.00	-
PK	2.4835G	59.00	74.00	-15.00	33.46	3	Vertical	61	2.65	-	25.54	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2437MHz_TX

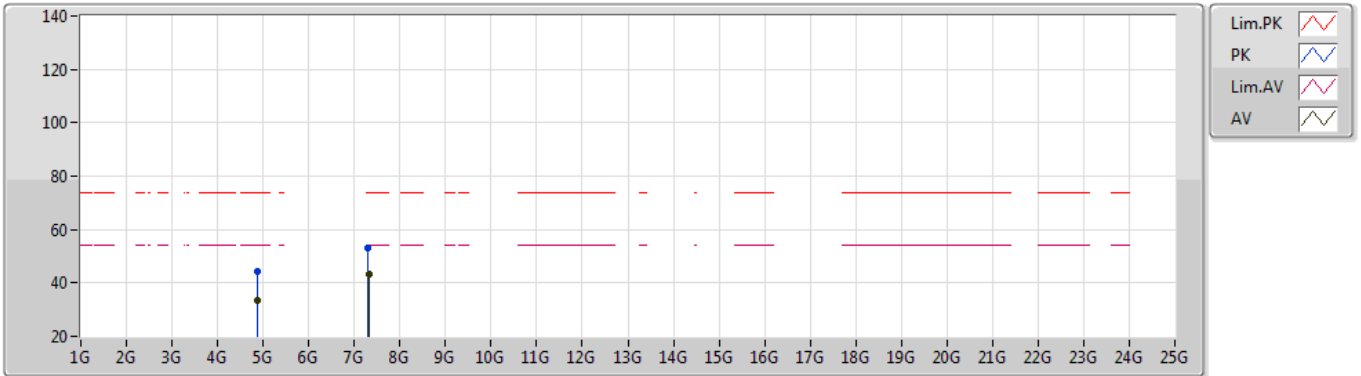


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	49.50	54.00	-4.50	33.57	3	Horizontal	336	1.27	-	15.93	27.62	5.95	-
AV	2.4362G	110.76	Inf	-Inf	33.46	3	Horizontal	336	1.27	-	77.30	27.46	6.00	-
AV	2.4835G	51.09	54.00	-2.91	33.46	3	Horizontal	336	1.27	-	17.63	27.40	6.06	-
PK	2.3886G	59.76	74.00	-14.24	33.57	3	Horizontal	336	1.27	-	26.19	27.62	5.95	-
PK	2.4362G	114.61	Inf	-Inf	33.46	3	Horizontal	336	1.27	-	81.15	27.46	6.00	-
PK	2.4946G	60.84	74.00	-13.16	33.47	3	Horizontal	336	1.27	-	27.37	27.40	6.07	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2437MHz_TX

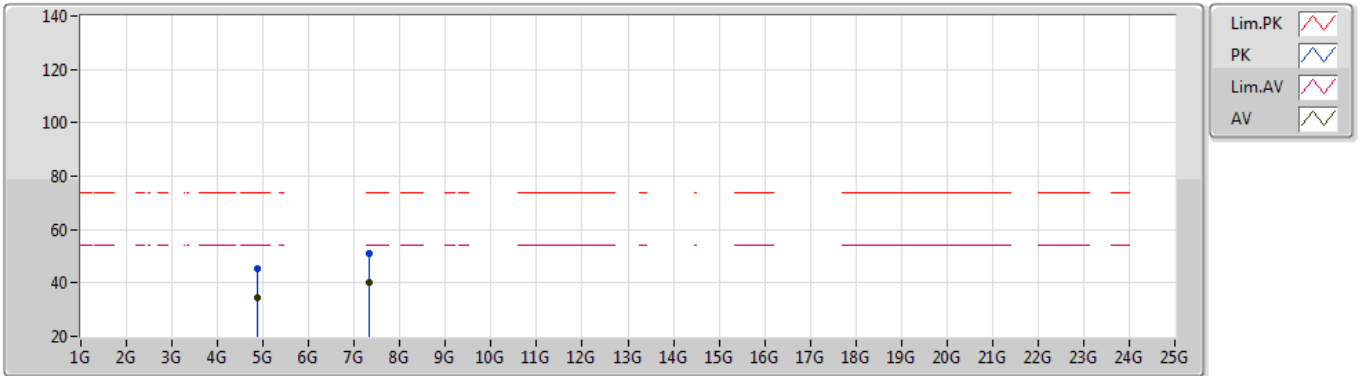


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87406G	33.44	54.00	-20.56	5.48	3	Vertical	243	2.48	-	27.96	31.05	8.30	33.87
AV	7.31026G	43.46	54.00	-10.54	12.28	3	Vertical	124	1.50	-	31.18	36.36	10.03	34.11
PK	4.87416G	44.23	74.00	-29.77	5.48	3	Vertical	243	2.48	-	38.75	31.05	8.30	33.87
PK	7.31002G	53.21	74.00	-20.79	12.28	3	Vertical	124	1.50	-	40.93	36.36	10.03	34.11

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2437MHz_TX

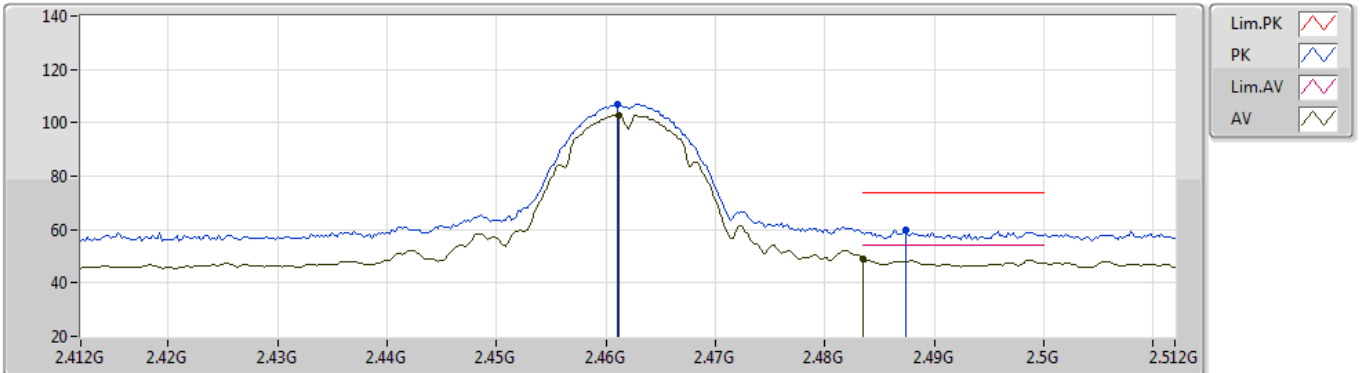


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87096G	34.50	54.00	-19.50	5.49	3	Horizontal	349	2.82	-	29.01	31.06	8.30	33.87
AV	7.31028G	40.19	54.00	-13.81	12.28	3	Horizontal	337	2.64	-	27.91	36.36	10.03	34.11
PK	4.87072G	45.35	74.00	-28.65	5.49	3	Horizontal	349	2.82	-	39.86	31.06	8.30	33.87
PK	7.31164G	51.24	74.00	-22.76	12.27	3	Horizontal	337	2.64	-	38.97	36.35	10.03	34.11

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2462MHz_TX

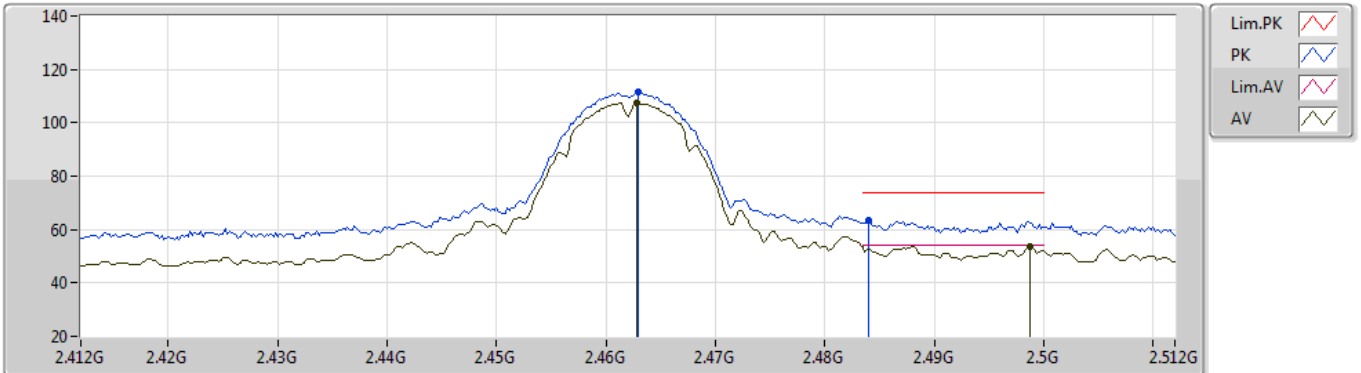


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	102.94	Inf	-Inf	33.43	3	Vertical	47	1.42	-	69.51	27.40	6.03	-
AV	2.4835G	48.87	54.00	-5.13	33.46	3	Vertical	47	1.42	-	15.41	27.40	6.06	-
PK	2.461G	107.08	Inf	-Inf	33.43	3	Vertical	47	1.42	-	73.65	27.40	6.03	-
PK	2.4874G	60.02	74.00	-13.98	33.46	3	Vertical	47	1.42	-	26.56	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2462MHz_TX

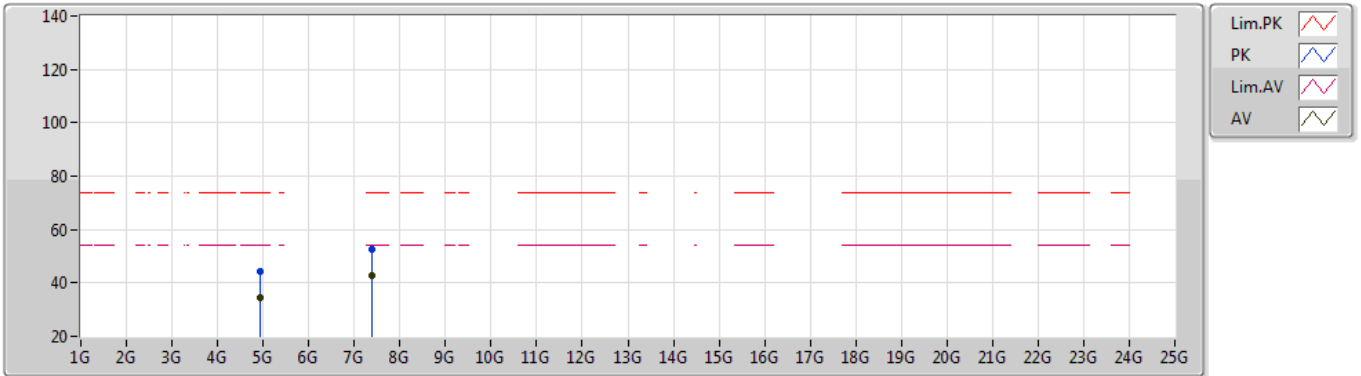


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	107.40	Inf	-Inf	33.44	3	Horizontal	329	2.92	-	73.96	27.40	6.04	-
AV	2.4988G	53.85	54.00	-0.15	33.48	3	Horizontal	329	2.92	-	20.37	27.40	6.08	-
PK	2.463G	111.35	Inf	-Inf	33.44	3	Horizontal	329	2.92	-	77.91	27.40	6.04	-
PK	2.484G	63.28	74.00	-10.72	33.46	3	Horizontal	329	2.92	-	29.82	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2462MHz_TX

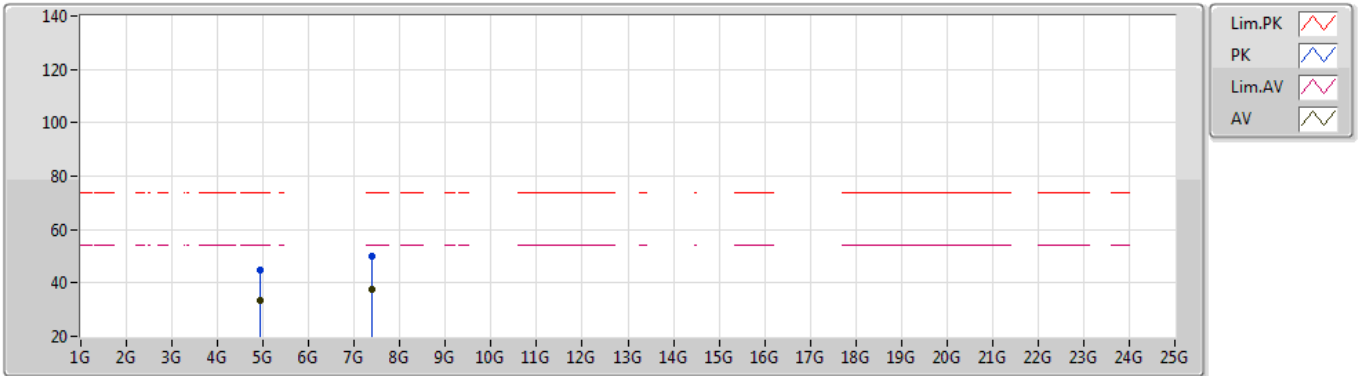


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92402G	34.25	54.00	-19.75	5.59	3	Vertical	228	2.55	-	28.66	31.10	8.33	33.84
AV	7.38676G	42.86	54.00	-11.14	12.07	3	Vertical	263	1.04	-	30.79	36.13	10.05	34.11
PK	4.92384G	44.42	74.00	-29.58	5.59	3	Vertical	228	2.55	-	38.83	31.10	8.33	33.84
PK	7.38724G	52.51	74.00	-21.49	12.07	3	Vertical	263	1.04	-	40.44	36.13	10.05	34.11

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2462MHz_TX

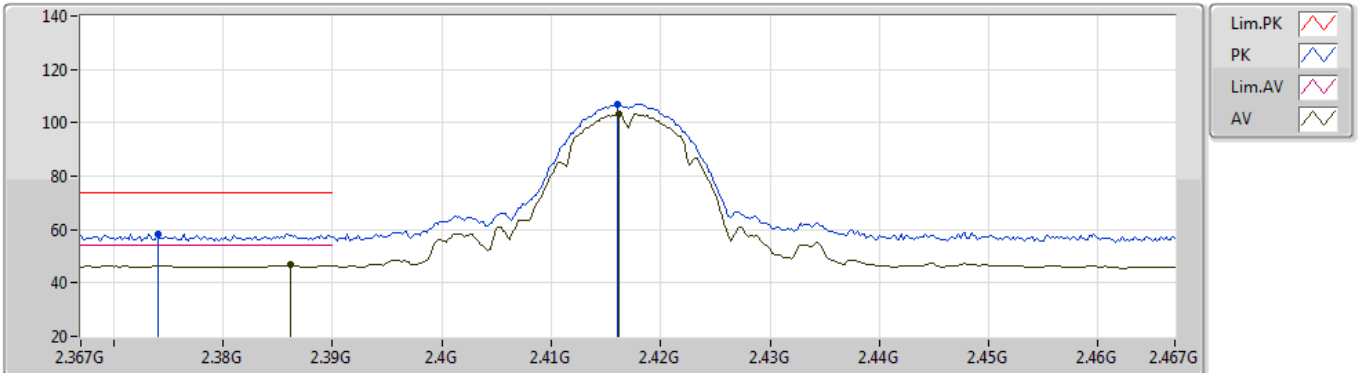


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92402G	33.48	54.00	-20.52	5.59	3	Horizontal	329	1.14	-	27.89	31.10	8.33	33.84
AV	7.38696G	37.51	54.00	-16.49	12.07	3	Horizontal	341	3.00	-	25.44	36.13	10.05	34.11
PK	4.92416G	44.64	74.00	-29.36	5.59	3	Horizontal	329	1.14	-	39.05	31.10	8.33	33.84
PK	7.38664G	50.07	74.00	-23.93	12.07	3	Horizontal	341	3.00	-	38.00	36.13	10.05	34.11

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2417MHz_TX

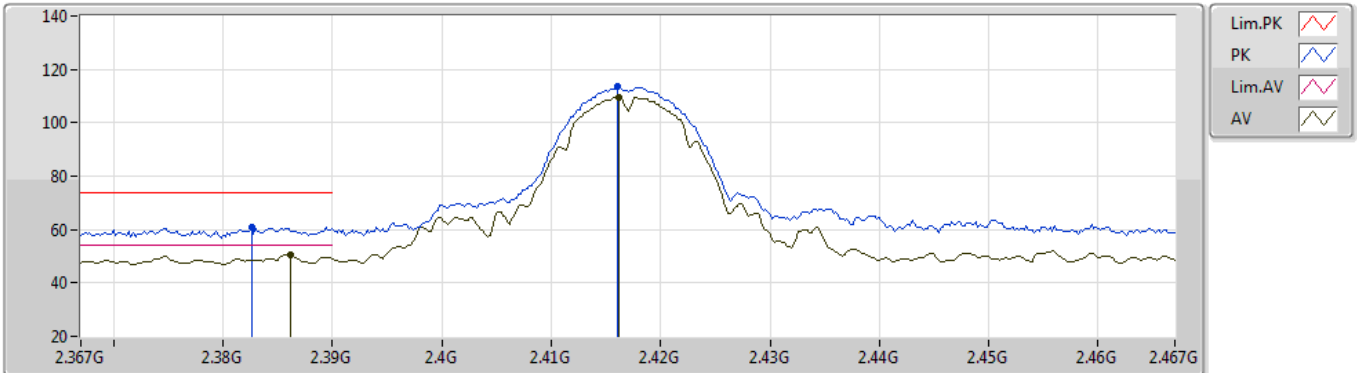


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	46.70	54.00	-7.30	33.58	3	Vertical	44	2.32	-	13.12	27.63	5.95	-
AV	2.4162G	103.26	Inf	-Inf	33.52	3	Vertical	44	2.32	-	69.74	27.54	5.98	-
PK	2.374G	58.35	74.00	-15.65	33.59	3	Vertical	44	2.32	-	24.76	27.65	5.94	-
PK	2.416G	107.12	Inf	-Inf	33.52	3	Vertical	44	2.32	-	73.60	27.54	5.98	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2417MHz_TX

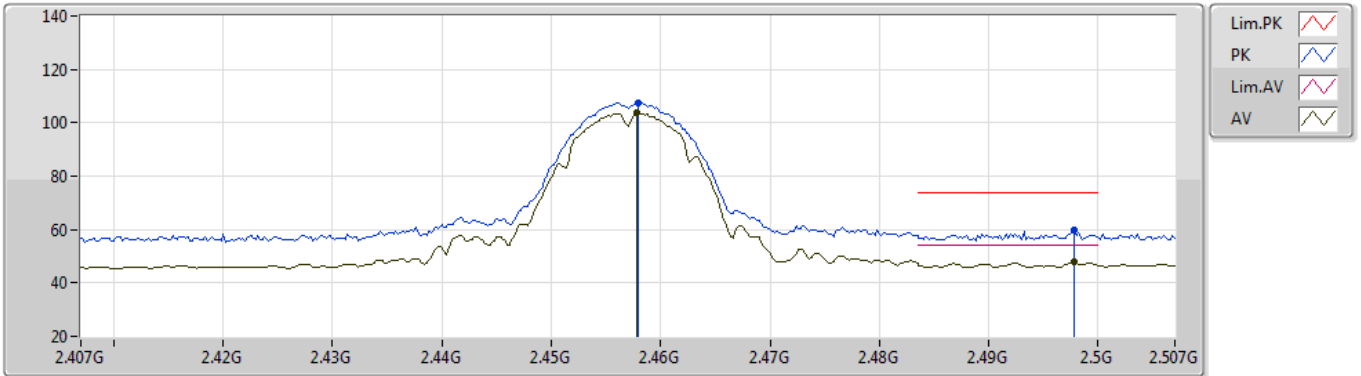


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	50.40	54.00	-3.60	33.58	3	Horizontal	319	1.51	-	16.82	27.63	5.95	-
AV	2.4162G	109.49	Inf	-Inf	33.52	3	Horizontal	319	1.51	-	75.97	27.54	5.98	-
PK	2.3826G	60.73	74.00	-13.27	33.58	3	Horizontal	319	1.51	-	27.15	27.63	5.95	-
PK	2.416G	113.37	Inf	-Inf	33.52	3	Horizontal	319	1.51	-	79.85	27.54	5.98	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2457MHz_TX

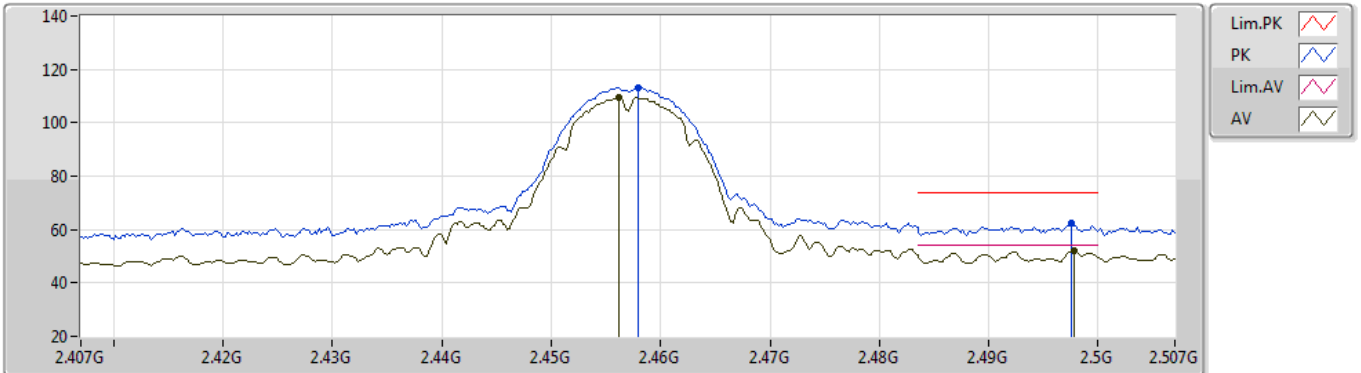


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	103.55	Inf	-Inf	33.43	3	Vertical	47	1.41	-	70.12	27.40	6.03	-
AV	2.4978G	47.72	54.00	-6.28	33.48	3	Vertical	47	1.41	-	14.24	27.40	6.08	-
PK	2.458G	107.54	Inf	-Inf	33.43	3	Vertical	47	1.41	-	74.11	27.40	6.03	-
PK	2.4978G	59.68	74.00	-14.32	33.48	3	Vertical	47	1.41	-	26.20	27.40	6.08	-

802.11b_Nss1,(1Mbps)_1TX(Port1)

10/09/2020

2457MHz_TX

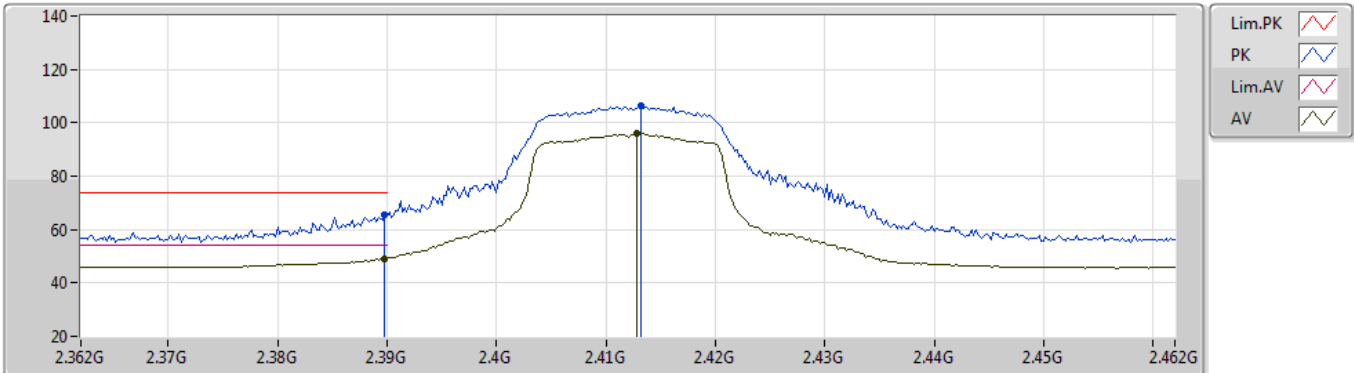


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	109.37	Inf	-Inf	33.43	3	Horizontal	339	1.51	-	75.94	27.40	6.03	-
AV	2.4978G	51.97	54.00	-2.03	33.48	3	Horizontal	339	1.51	-	18.49	27.40	6.08	-
PK	2.458G	113.26	Inf	-Inf	33.43	3	Horizontal	339	1.51	-	79.83	27.40	6.03	-
PK	2.4976G	62.24	74.00	-11.76	33.48	3	Horizontal	339	1.51	-	28.76	27.40	6.08	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

2412MHz_TX

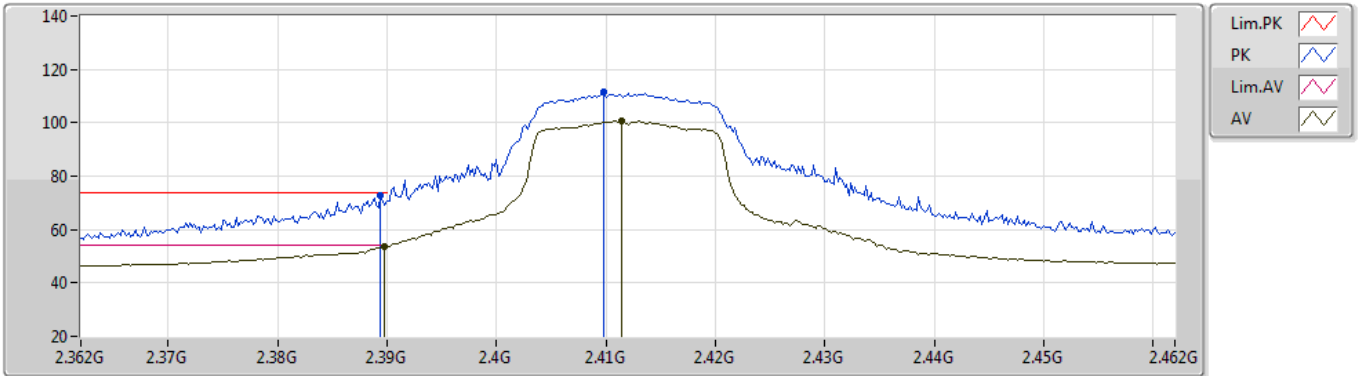


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.16	54.00	-4.84	33.57	3	Vertical	49	2.41	-	15.59	27.62	5.95	-
AV	2.4128G	95.86	Inf	-Inf	33.53	3	Vertical	49	2.41	-	62.33	27.55	5.98	-
PK	2.3898G	65.66	74.00	-8.34	33.57	3	Vertical	49	2.41	-	32.09	27.62	5.95	-
PK	2.4132G	106.35	Inf	-Inf	33.53	3	Vertical	49	2.41	-	72.82	27.55	5.98	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

2412MHz_TX

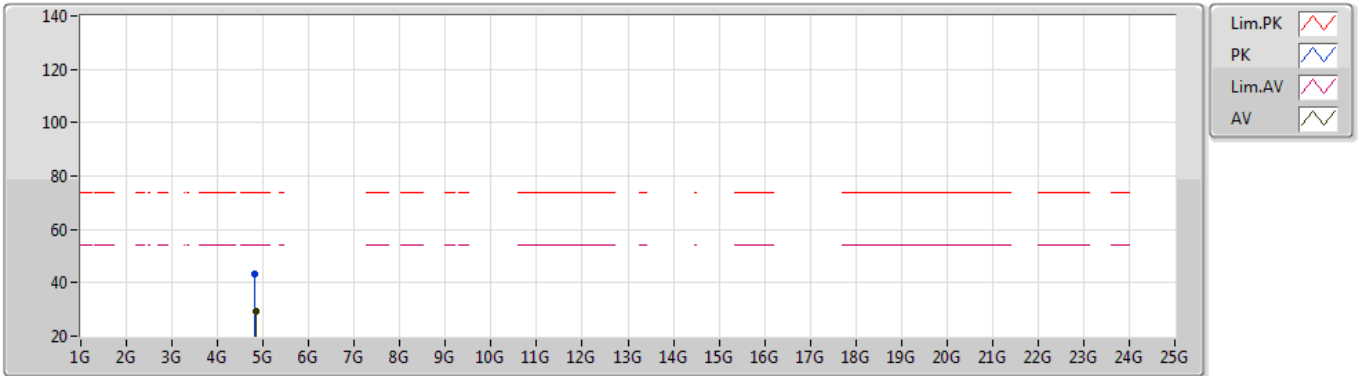


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.58	54.00	-0.42	33.57	3	Horizontal	320	1.99	-	20.01	27.62	5.95	-
AV	2.4114G	100.54	Inf	-Inf	33.52	3	Horizontal	320	1.99	-	67.02	27.55	5.97	-
PK	2.3894G	72.63	74.00	-1.37	33.57	3	Horizontal	320	1.99	-	39.06	27.62	5.95	-
PK	2.4098G	111.38	Inf	-Inf	33.53	3	Horizontal	320	1.99	-	77.85	27.56	5.97	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2412MHz_TX

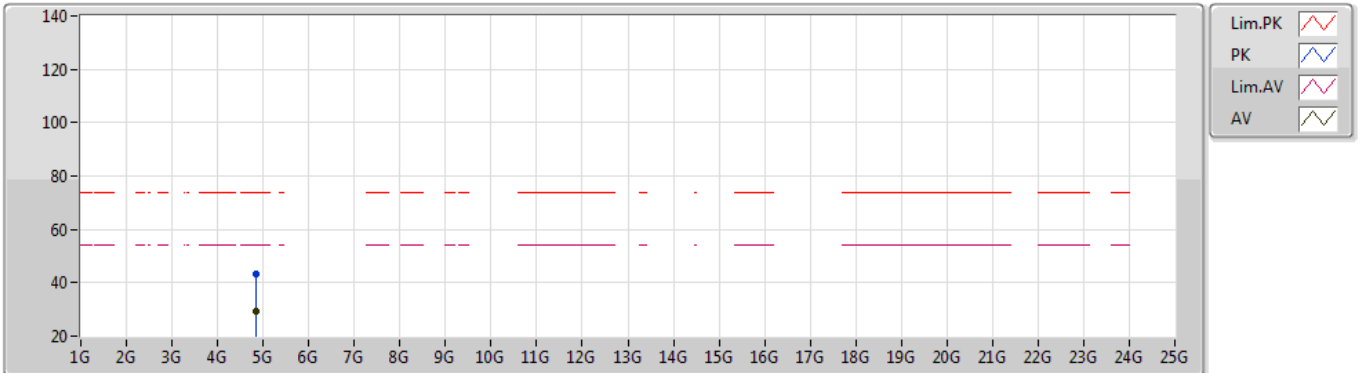


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.829G	29.25	54.00	-24.75	5.39	3	Vertical	141	2.08	-	23.86	31.02	8.27	33.90
PK	4.82044G	43.02	74.00	-30.98	5.34	3	Vertical	141	2.08	-	37.68	30.98	8.26	33.90

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2412MHz_TX

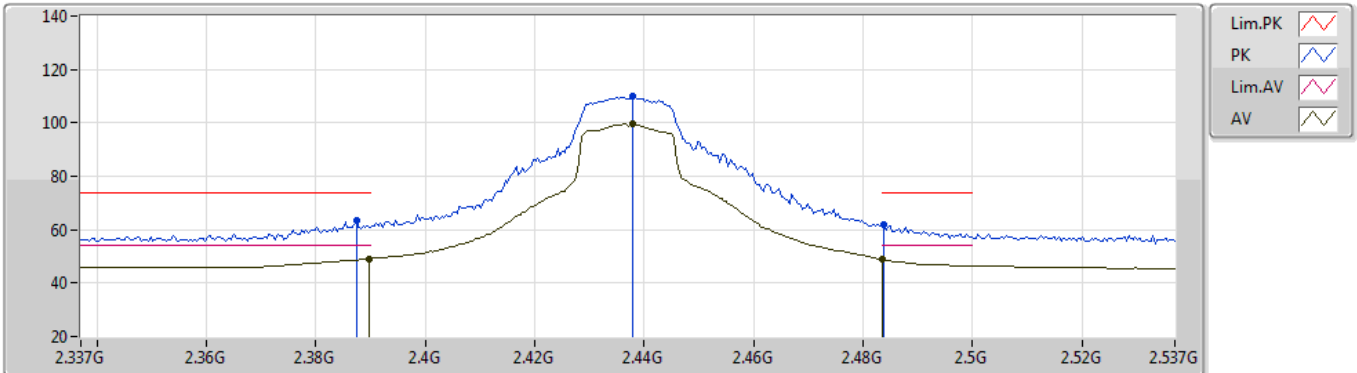


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82878G	29.29	54.00	-24.71	5.39	3	Horizontal	68	1.65	-	23.90	31.02	8.27	33.90
PK	4.82864G	43.16	74.00	-30.84	5.38	3	Horizontal	68	1.65	-	37.78	31.01	8.27	33.90

802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

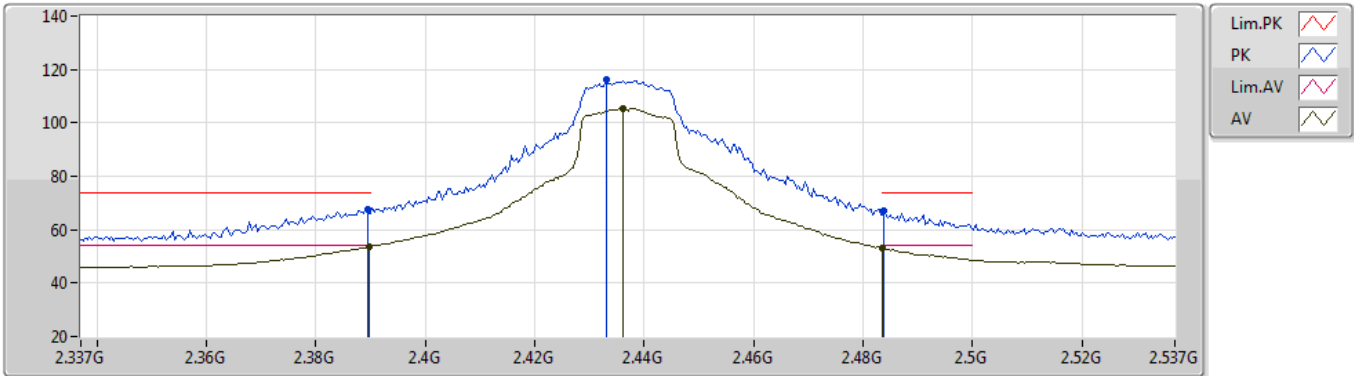
2437MHz_TX



802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

2437MHz_TX

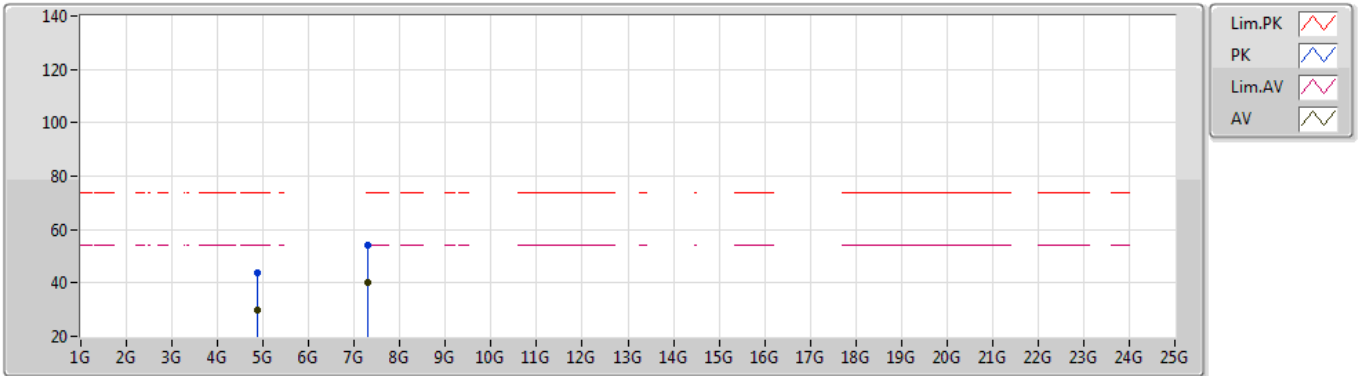


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.79	54.00	-0.21	33.57	3	Horizontal	321	2.70	-	20.22	27.62	5.95	-
AV	2.4362G	105.51	Inf	-Inf	33.46	3	Horizontal	321	2.70	-	72.05	27.46	6.00	-
AV	2.4835G	53.21	54.00	-0.79	33.46	3	Horizontal	321	2.70	-	19.75	27.40	6.06	-
PK	2.3894G	67.64	74.00	-6.36	33.57	3	Horizontal	321	2.70	-	34.07	27.62	5.95	-
PK	2.433G	116.00	Inf	-Inf	33.47	3	Horizontal	321	2.70	-	82.53	27.47	6.00	-
PK	2.4838G	67.08	74.00	-6.92	33.46	3	Horizontal	321	2.70	-	33.62	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2437MHz_TX

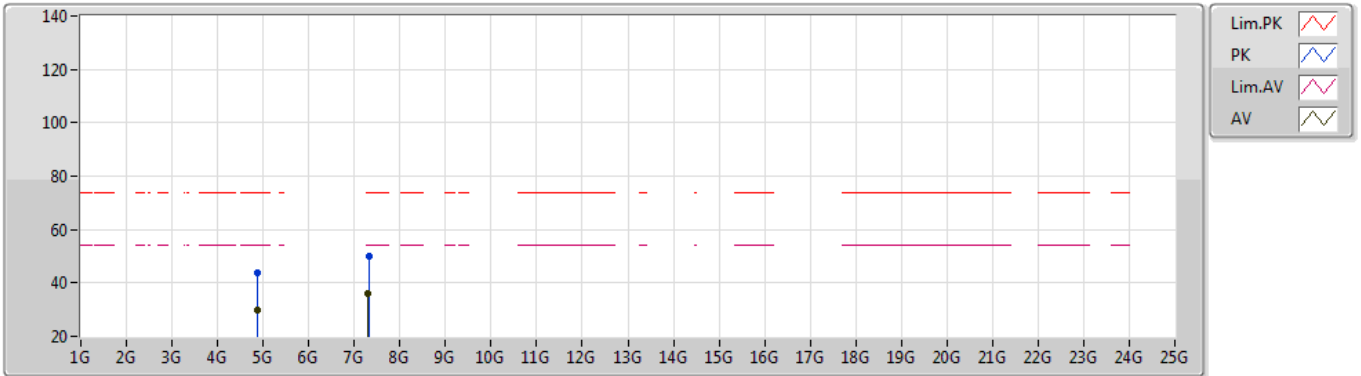


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87332G	29.65	54.00	-24.35	5.48	3	Vertical	198	1.33	-	24.17	31.05	8.30	33.87
AV	7.30868G	40.30	54.00	-13.70	12.29	3	Vertical	247	1.05	-	28.01	36.37	10.03	34.11
PK	4.87476G	43.98	74.00	-30.02	5.48	3	Vertical	198	1.33	-	38.50	31.05	8.30	33.87
PK	7.30692G	54.28	74.00	-19.72	12.29	3	Vertical	247	1.05	-	41.99	36.37	10.03	34.11

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2437MHz_TX

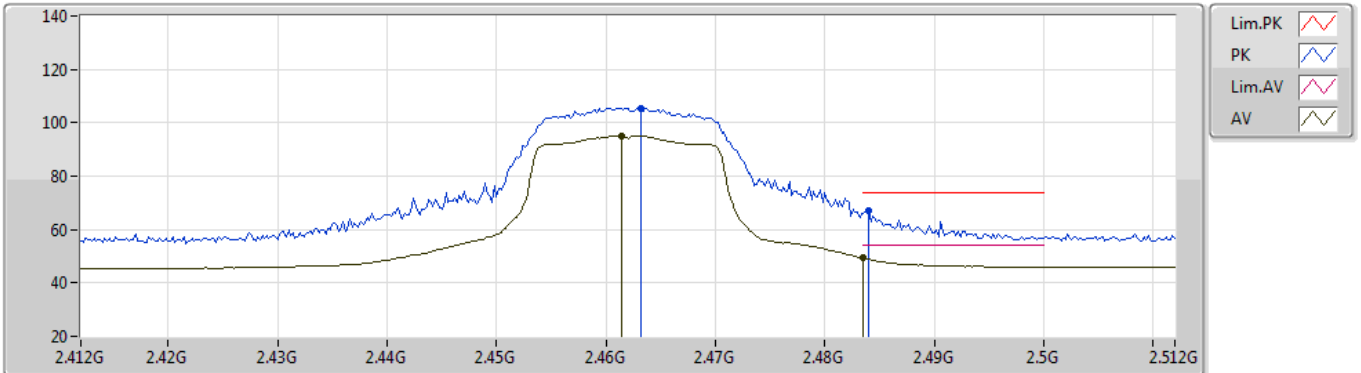


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87646G	29.72	54.00	-24.28	5.48	3	Horizontal	343	2.42	-	24.24	31.05	8.30	33.87
AV	7.30708G	36.12	54.00	-17.88	12.29	3	Horizontal	98	1.08	-	23.83	36.37	10.03	34.11
PK	4.87256G	43.92	74.00	-30.08	5.48	3	Horizontal	343	2.42	-	38.44	31.05	8.30	33.87
PK	7.31144G	50.06	74.00	-23.94	12.27	3	Horizontal	98	1.08	-	37.79	36.35	10.03	34.11

802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

2462MHz_TX

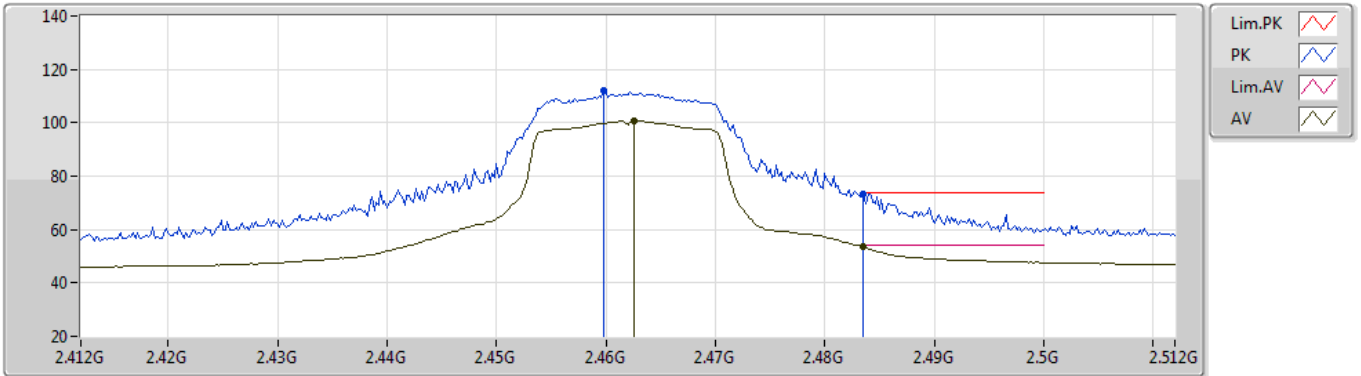


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4614G	95.22	Inf	-Inf	33.43	3	Vertical	47	1.41	-	61.79	27.40	6.03	-
AV	2.4835G	49.53	54.00	-4.47	33.46	3	Vertical	47	1.41	-	16.07	27.40	6.06	-
PK	2.4632G	105.52	Inf	-Inf	33.44	3	Vertical	47	1.41	-	72.08	27.40	6.04	-
PK	2.484G	67.02	74.00	-6.98	33.46	3	Vertical	47	1.41	-	33.56	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

2462MHz_TX

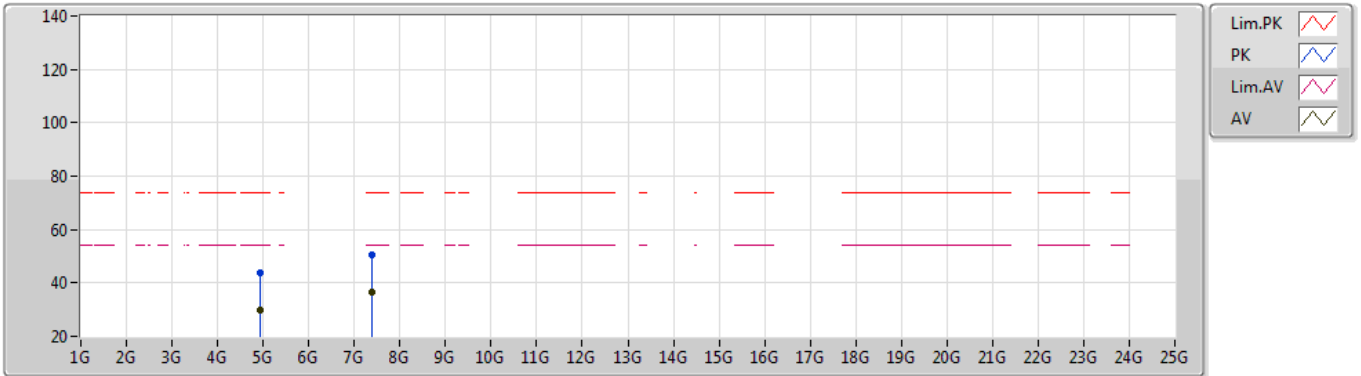


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4626G	100.69	Inf	-Inf	33.44	3	Horizontal	339	1.49	-	67.25	27.40	6.04	-
AV	2.4835G	53.46	54.00	-0.54	33.46	3	Horizontal	339	1.49	-	20.00	27.40	6.06	-
PK	2.4598G	111.96	Inf	-Inf	33.43	3	Horizontal	339	1.49	-	78.53	27.40	6.03	-
PK	2.4835G	73.07	74.00	-0.93	33.46	3	Horizontal	339	1.49	-	39.61	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2462MHz_TX

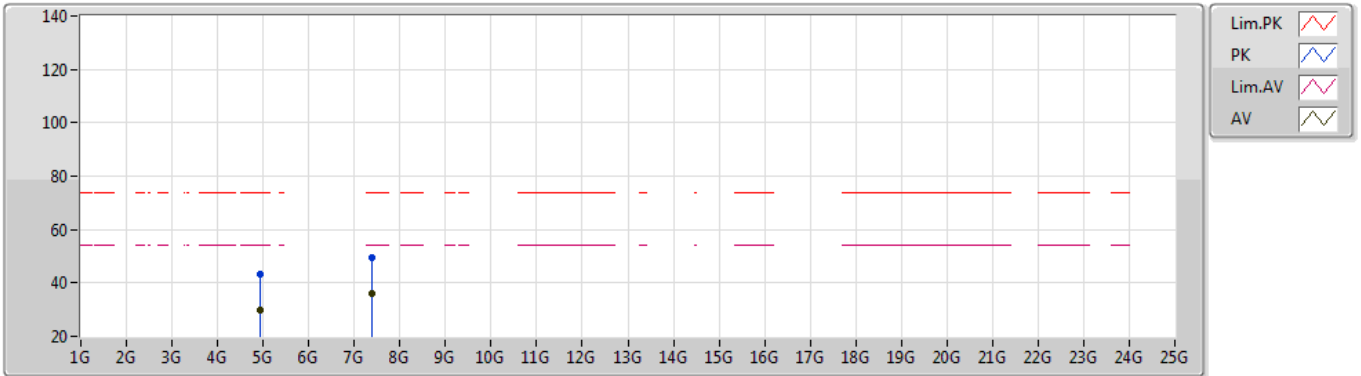


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92422G	29.61	54.00	-24.39	5.59	3	Vertical	319	1.01	-	24.02	31.10	8.33	33.84
AV	7.3832G	36.32	54.00	-17.68	12.07	3	Vertical	193	2.34	-	24.25	36.13	10.05	34.11
PK	4.92092G	43.85	74.00	-30.15	5.56	3	Vertical	319	1.01	-	38.29	31.08	8.33	33.85
PK	7.3858G	50.26	74.00	-23.74	12.07	3	Vertical	193	2.34	-	38.19	36.13	10.05	34.11

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2462MHz_TX

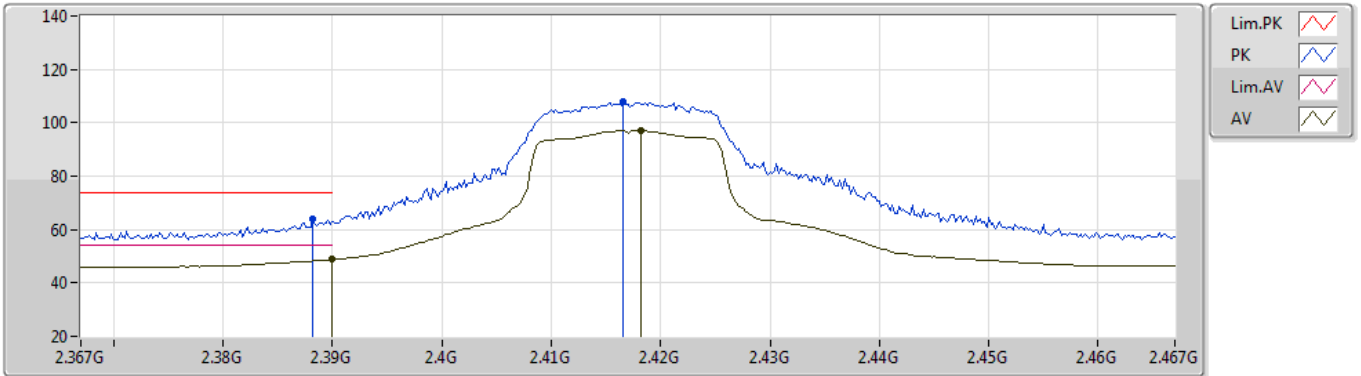


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92422G	29.72	54.00	-24.28	5.59	3	Horizontal	224	1.42	-	24.13	31.10	8.33	33.84
AV	7.39044G	36.03	54.00	-17.97	12.06	3	Horizontal	48	1.03	-	23.97	36.12	10.05	34.11
PK	4.92874G	43.35	74.00	-30.65	5.60	3	Horizontal	224	1.42	-	37.75	31.11	8.33	33.84
PK	7.38396G	49.60	74.00	-24.40	12.07	3	Horizontal	48	1.03	-	37.53	36.13	10.05	34.11

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2417MHz_TX

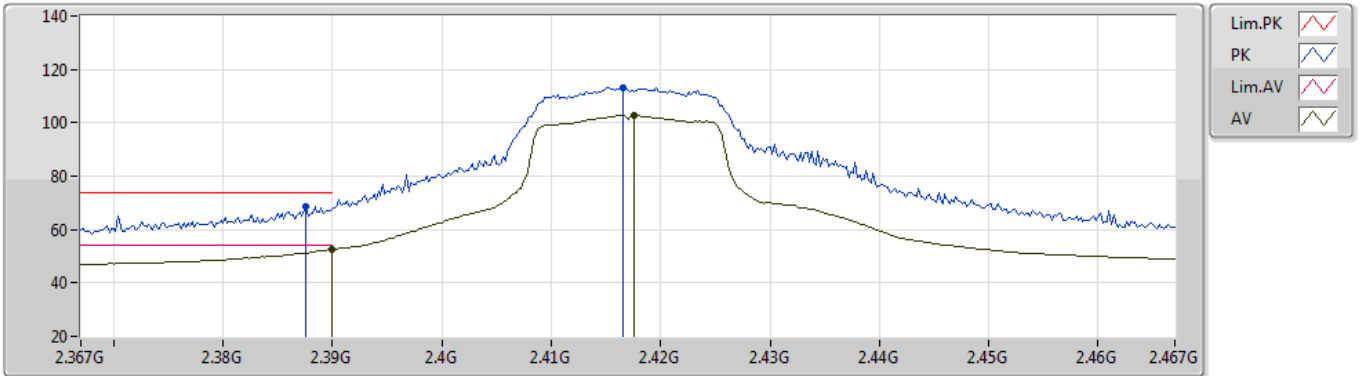


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	48.92	54.00	-5.08	33.57	3	Vertical	49	2.33	-	15.35	27.62	5.95	-
AV	2.4182G	97.17	Inf	-Inf	33.51	3	Vertical	49	2.33	-	63.66	27.53	5.98	-
PK	2.3882G	63.74	74.00	-10.26	33.57	3	Vertical	49	2.33	-	30.17	27.62	5.95	-
PK	2.4166G	107.82	Inf	-Inf	33.51	3	Vertical	49	2.33	-	74.31	27.53	5.98	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

11/09/2020

2417MHz_TX

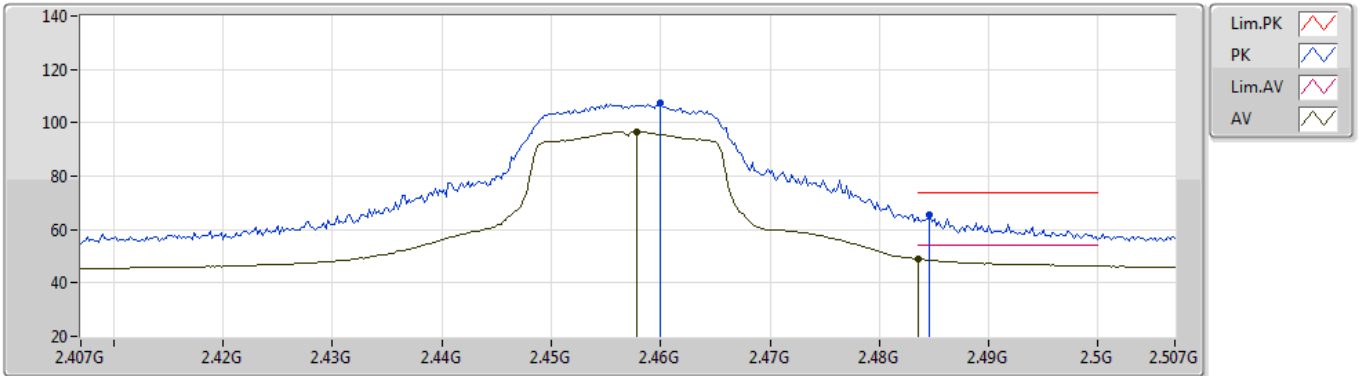


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.66	54.00	-1.34	33.57	3	Horizontal	321	2.99	-	19.09	27.62	5.95	-
AV	2.4176G	102.66	Inf	-Inf	33.51	3	Horizontal	321	2.99	-	69.15	27.53	5.98	-
PK	2.3876G	68.56	74.00	-5.44	33.57	3	Horizontal	321	2.99	-	34.99	27.62	5.95	-
PK	2.4166G	113.14	Inf	-Inf	33.51	3	Horizontal	321	2.99	-	79.63	27.53	5.98	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

2457MHz_TX

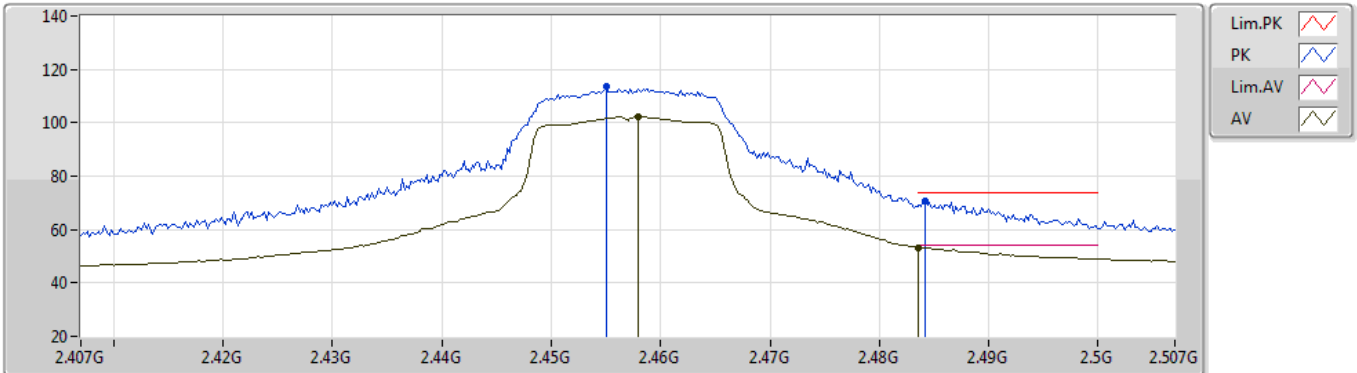


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	96.60	Inf	-Inf	33.43	3	Vertical	47	1.00	-	63.17	27.40	6.03	-
AV	2.4835G	49.05	54.00	-4.95	33.46	3	Vertical	47	1.00	-	15.59	27.40	6.06	-
PK	2.46G	107.29	Inf	-Inf	33.43	3	Vertical	47	1.00	-	73.86	27.40	6.03	-
PK	2.4846G	65.55	74.00	-8.45	33.46	3	Vertical	47	1.00	-	32.09	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port1)

10/09/2020

2457MHz_TX

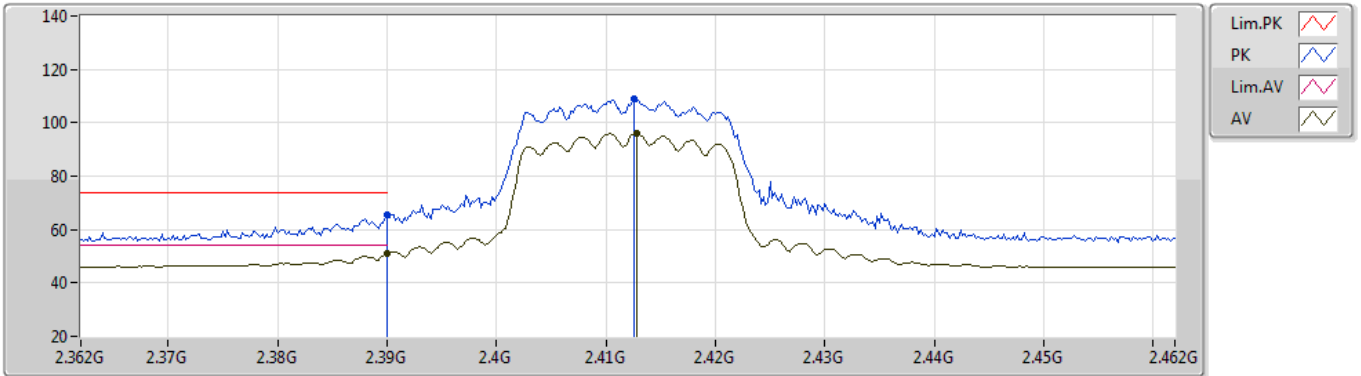


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.458G	102.24	Inf	-Inf	33.43	3	Horizontal	339	1.50	-	68.81	27.40	6.03	-
AV	2.4835G	53.30	54.00	-0.70	33.46	3	Horizontal	339	1.50	-	19.84	27.40	6.06	-
PK	2.455G	113.37	Inf	-Inf	33.43	3	Horizontal	339	1.50	-	79.94	27.40	6.03	-
PK	2.4842G	70.83	74.00	-3.17	33.46	3	Horizontal	339	1.50	-	37.37	27.40	6.06	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2412MHz_TX

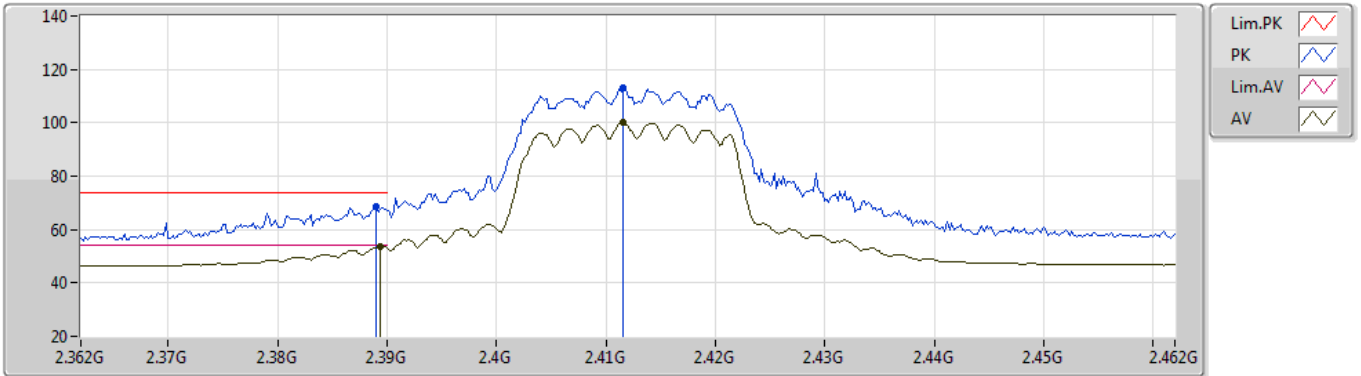


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	50.89	54.00	-3.11	33.57	3	Vertical	212	1.91	-	17.32	27.62	5.95	-
AV	2.4128G	96.28	Inf	-Inf	33.53	3	Vertical	212	1.91	-	62.75	27.55	5.98	-
PK	2.39G	65.31	74.00	-8.69	33.57	3	Vertical	212	1.91	-	31.74	27.62	5.95	-
PK	2.4126G	109.02	Inf	-Inf	33.53	3	Vertical	212	1.91	-	75.49	27.55	5.98	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2412MHz_TX

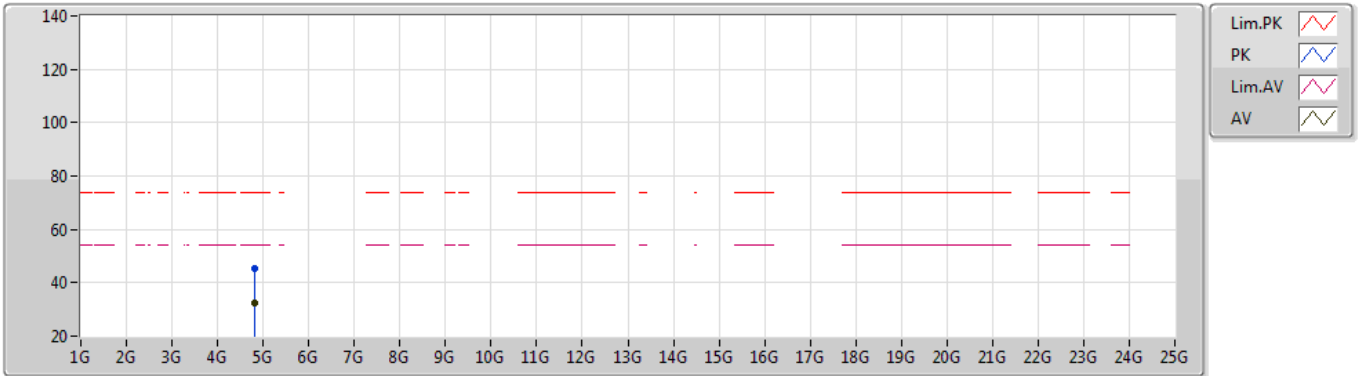


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	53.85	54.00	-0.15	33.57	3	Horizontal	327	1.14	-	20.28	27.62	5.95	-
AV	2.4116G	100.01	Inf	-Inf	33.52	3	Horizontal	327	1.14	-	66.49	27.55	5.97	-
PK	2.389G	68.56	74.00	-5.44	33.57	3	Horizontal	327	1.14	-	34.99	27.62	5.95	-
PK	2.4116G	113.35	Inf	-Inf	33.52	3	Horizontal	327	1.14	-	79.83	27.55	5.97	-

802.11ax HEW20_Nss1,(MCS0)_2TX

16/09/2020

2412MHz_TX

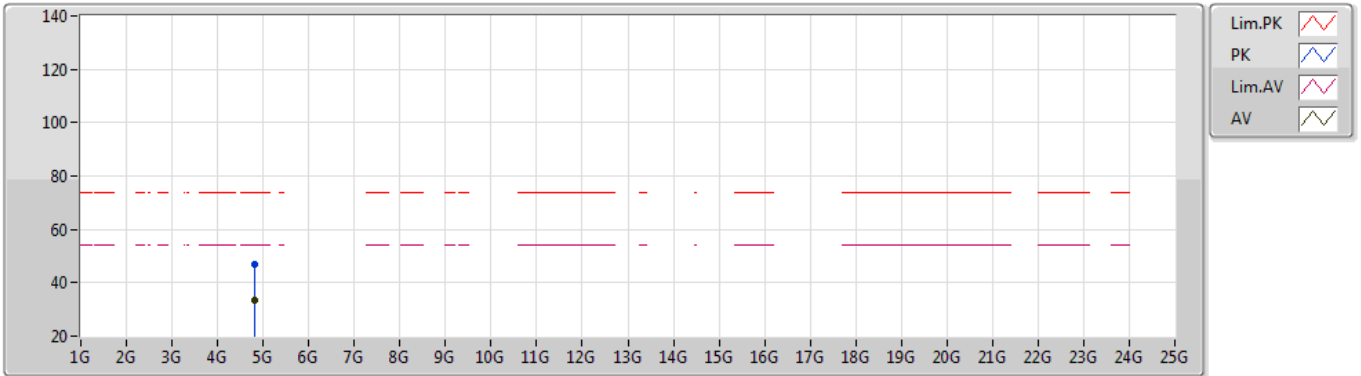


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82286G	32.39	54.00	-21.61	5.35	3	Vertical	118	1.48	-	27.04	30.99	8.26	33.90
PK	4.82268G	45.57	74.00	-28.43	5.35	3	Vertical	118	1.48	-	40.22	30.99	8.26	33.90

802.11ax HEW20_Nss1,(MCS0)_2TX

16/09/2020

2412MHz_TX

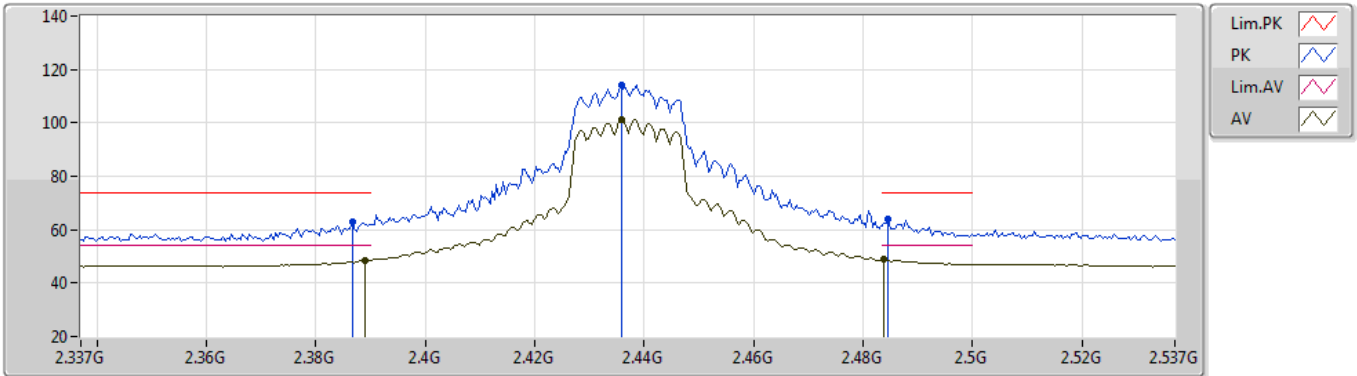


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82244G	33.45	54.00	-20.55	5.35	3	Horizontal	183	1.50	-	28.10	30.99	8.26	33.90
PK	4.82742G	46.73	74.00	-27.27	5.38	3	Horizontal	183	1.50	-	41.35	31.01	8.27	33.90

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2437MHz_TX

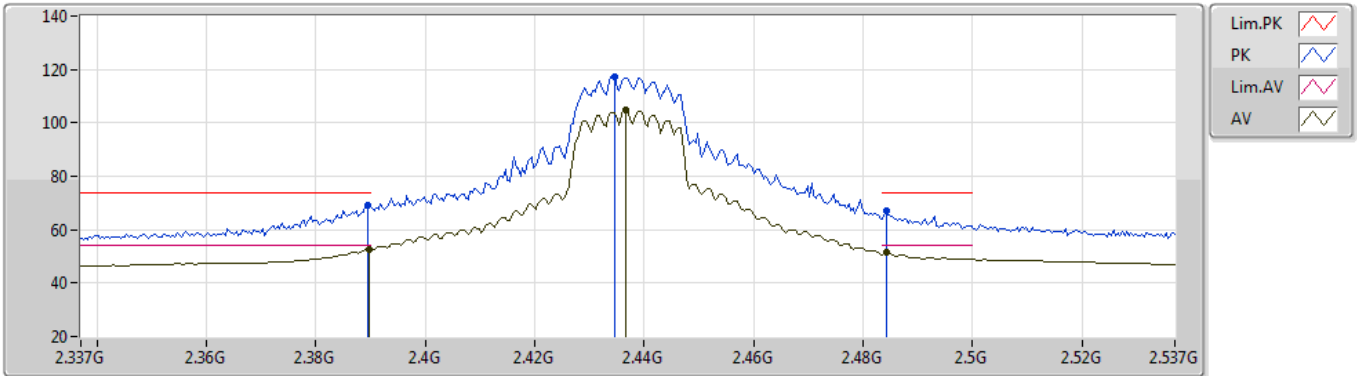


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	48.40	54.00	-5.60	33.57	3	Vertical	64	1.34	-	14.83	27.62	5.95	-
AV	2.4358G	101.12	Inf	-Inf	33.46	3	Vertical	64	1.34	-	67.66	27.46	6.00	-
AV	2.4838G	48.81	54.00	-5.19	33.46	3	Vertical	64	1.34	-	15.35	27.40	6.06	-
PK	2.3866G	63.01	74.00	-10.99	33.58	3	Vertical	64	1.34	-	29.43	27.63	5.95	-
PK	2.4358G	114.21	Inf	-Inf	33.46	3	Vertical	64	1.34	-	80.75	27.46	6.00	-
PK	2.4846G	64.07	74.00	-9.93	33.46	3	Vertical	64	1.34	-	30.61	27.40	6.06	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2437MHz_TX

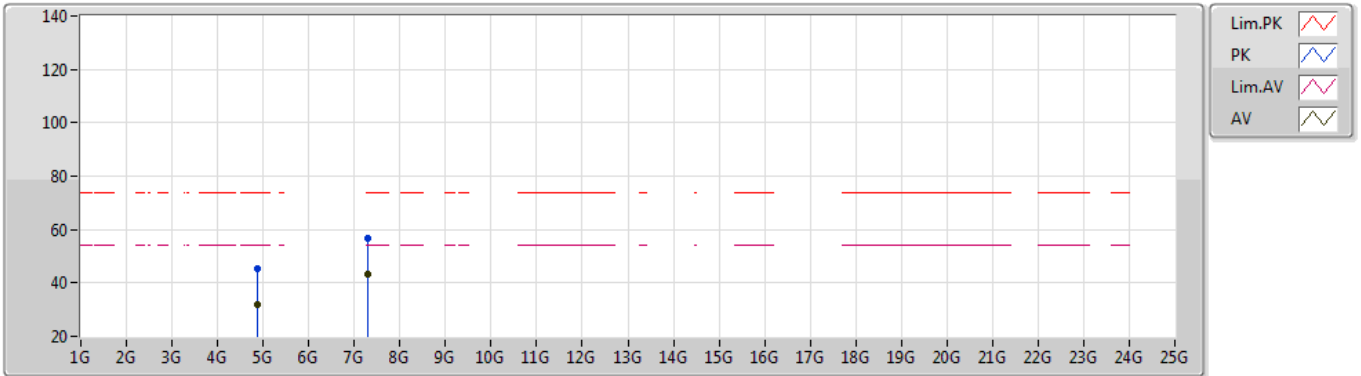


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.79	54.00	-1.21	33.57	3	Horizontal	326	1.04	-	19.22	27.62	5.95	-
AV	2.4366G	104.85	Inf	-Inf	33.45	3	Horizontal	326	1.04	-	71.40	27.45	6.00	-
AV	2.4842G	51.36	54.00	-2.64	33.46	3	Horizontal	326	1.04	-	17.90	27.40	6.06	-
PK	2.3894G	69.05	74.00	-4.95	33.57	3	Horizontal	326	1.04	-	35.48	27.62	5.95	-
PK	2.4346G	117.24	Inf	-Inf	33.46	3	Horizontal	326	1.04	-	83.78	27.46	6.00	-
PK	2.4842G	66.98	74.00	-7.02	33.46	3	Horizontal	326	1.04	-	33.52	27.40	6.06	-

802.11ax HEW20_Nss1,(MCS0)_2TX

16/09/2020

2437MHz_TX

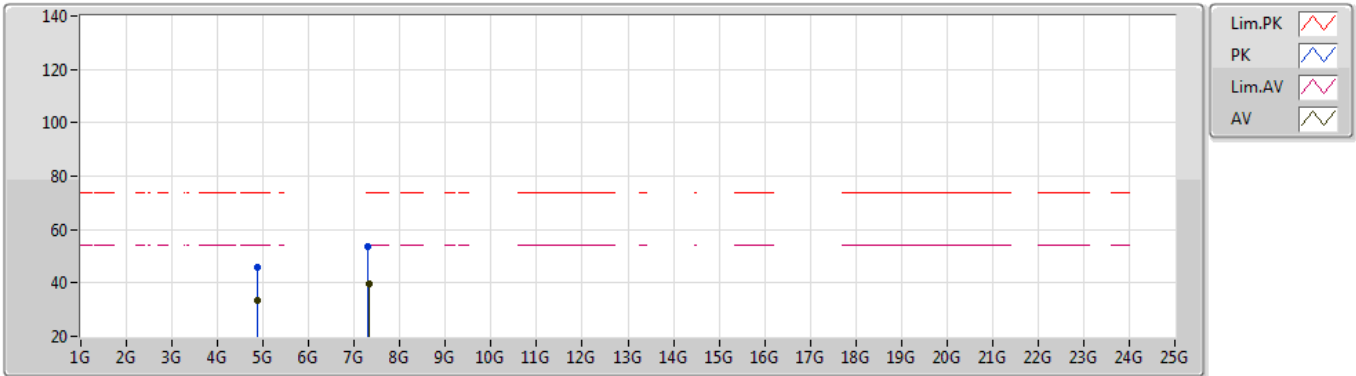


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87532G	32.14	54.00	-21.86	5.48	3	Vertical	52	1.46	-	26.66	31.05	8.30	33.87
AV	7.30962G	43.22	54.00	-10.78	12.28	3	Vertical	360	1.17	-	30.94	36.36	10.03	34.11
PK	4.87988G	45.16	74.00	-28.84	5.47	3	Vertical	52	1.46	-	39.69	31.04	8.30	33.87
PK	7.30944G	56.76	74.00	-17.24	12.28	3	Vertical	360	1.17	-	44.48	36.36	10.03	34.11

802.11ax HEW20_Nss1,(MCS0)_2TX

16/09/2020

2437MHz_TX

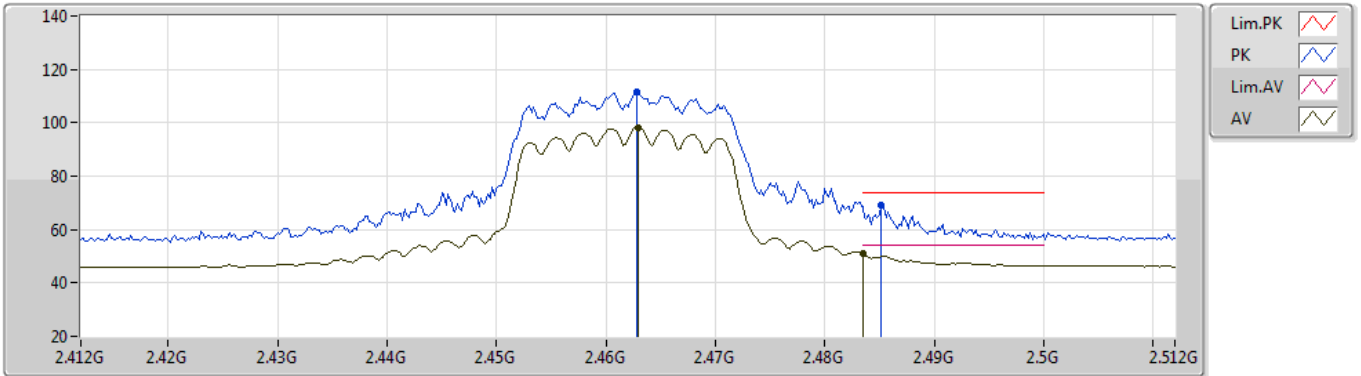


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8725G	33.21	54.00	-20.79	5.48	3	Horizontal	181	1.51	-	27.73	31.05	8.30	33.87
AV	7.31034G	39.55	54.00	-14.45	12.28	3	Horizontal	325	1.17	-	27.27	36.36	10.03	34.11
PK	4.87502G	45.86	74.00	-28.14	5.48	3	Horizontal	181	1.51	-	40.38	31.05	8.30	33.87
PK	7.30548G	53.52	74.00	-20.48	12.30	3	Horizontal	325	1.17	-	41.22	36.38	10.03	34.11

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2462MHz_TX

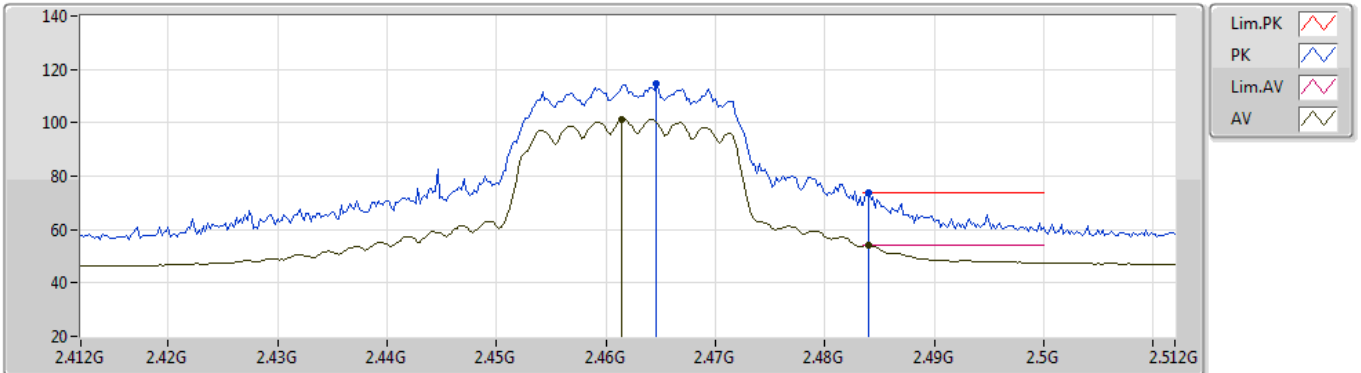


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.463G	98.29	Inf	-Inf	33.44	3	Vertical	212	1.39	-	64.85	27.40	6.04	-
AV	2.4835G	50.92	54.00	-3.08	33.46	3	Vertical	212	1.39	-	17.46	27.40	6.06	-
PK	2.4628G	111.56	Inf	-Inf	33.44	3	Vertical	212	1.39	-	78.12	27.40	6.04	-
PK	2.4852G	69.05	74.00	-4.95	33.46	3	Vertical	212	1.39	-	35.59	27.40	6.06	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

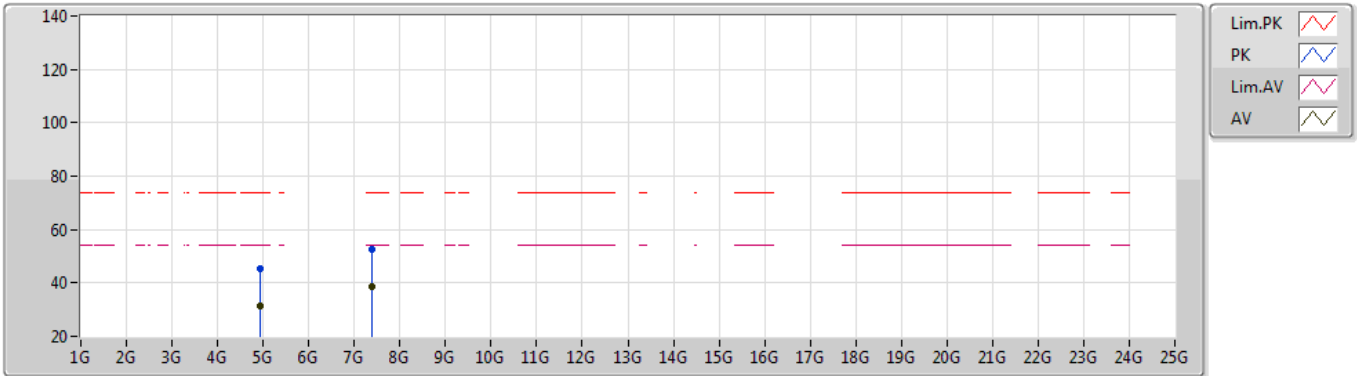
2462MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

16/09/2020

2462MHz_TX

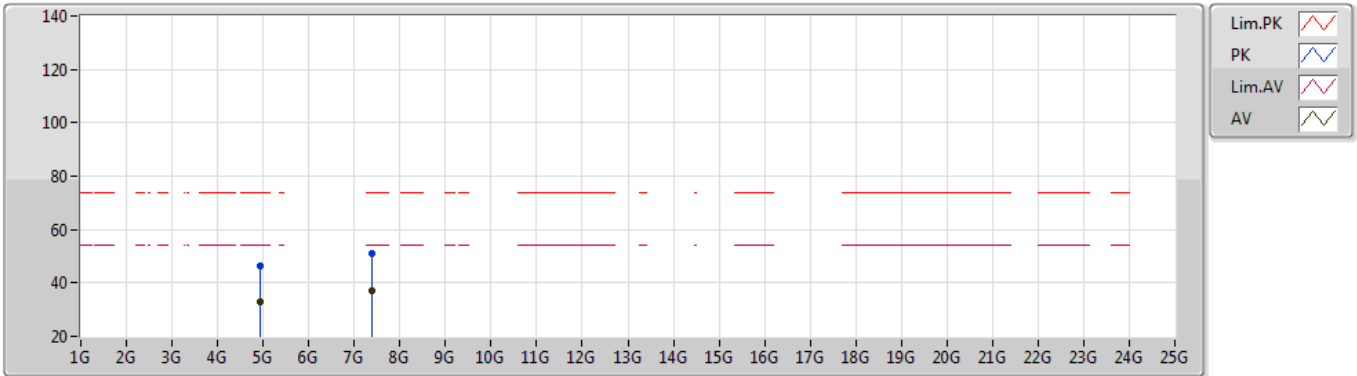


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92472G	31.56	54.00	-22.44	5.59	3	Vertical	120	2.93	-	25.97	31.10	8.33	33.84
AV	7.3857G	38.37	54.00	-15.63	12.07	3	Vertical	249	1.02	-	26.30	36.13	10.05	34.11
PK	4.9255G	45.15	74.00	-28.85	5.59	3	Vertical	120	2.93	-	39.56	31.10	8.33	33.84
PK	7.39044G	52.38	74.00	-21.62	12.06	3	Vertical	249	1.02	-	40.32	36.12	10.05	34.11

802.11ax HEW20_Nss1,(MCS0)_2TX

16/09/2020

2462MHz_TX

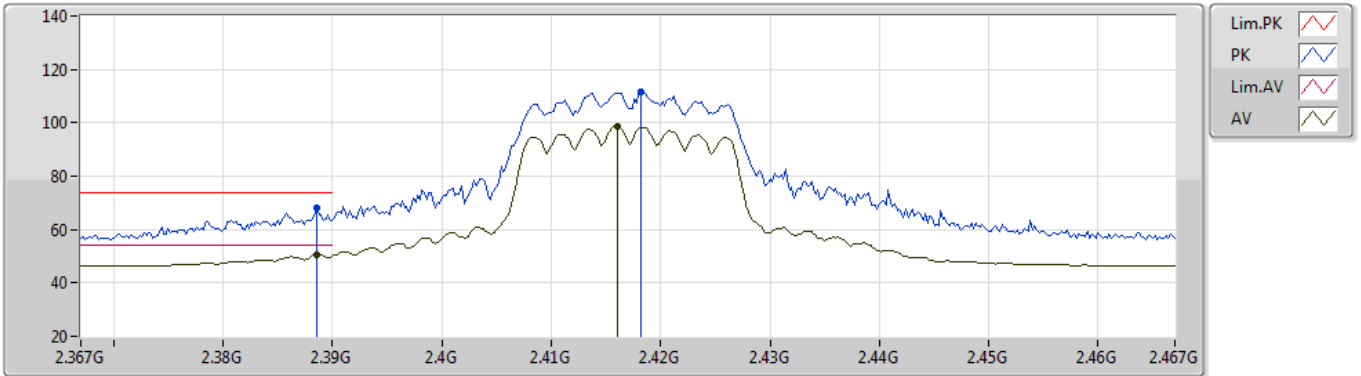


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92238G	32.80	54.00	-21.20	5.57	3	Horizontal	186	2.17	-	27.23	31.09	8.33	33.85
AV	7.3851G	37.31	54.00	-16.69	12.07	3	Horizontal	63	1.00	-	25.24	36.13	10.05	34.11
PK	4.92046G	46.15	74.00	-27.85	5.56	3	Horizontal	186	2.17	-	40.59	31.08	8.33	33.85
PK	7.38492G	50.88	74.00	-23.12	12.07	3	Horizontal	63	1.00	-	38.81	36.13	10.05	34.11

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2417MHz_TX

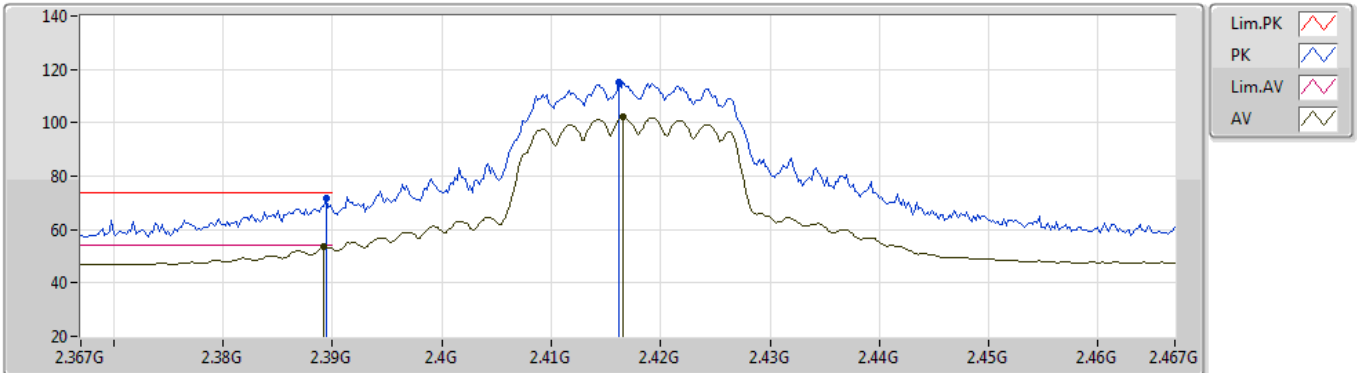


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	50.50	54.00	-3.50	33.57	3	Vertical	62	1.43	-	16.93	27.62	5.95	-
AV	2.416G	98.68	Inf	-Inf	33.52	3	Vertical	62	1.43	-	65.16	27.54	5.98	-
PK	2.3886G	68.26	74.00	-5.74	33.57	3	Vertical	62	1.43	-	34.69	27.62	5.95	-
PK	2.4182G	111.59	Inf	-Inf	33.51	3	Vertical	62	1.43	-	78.08	27.53	5.98	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2417MHz_TX

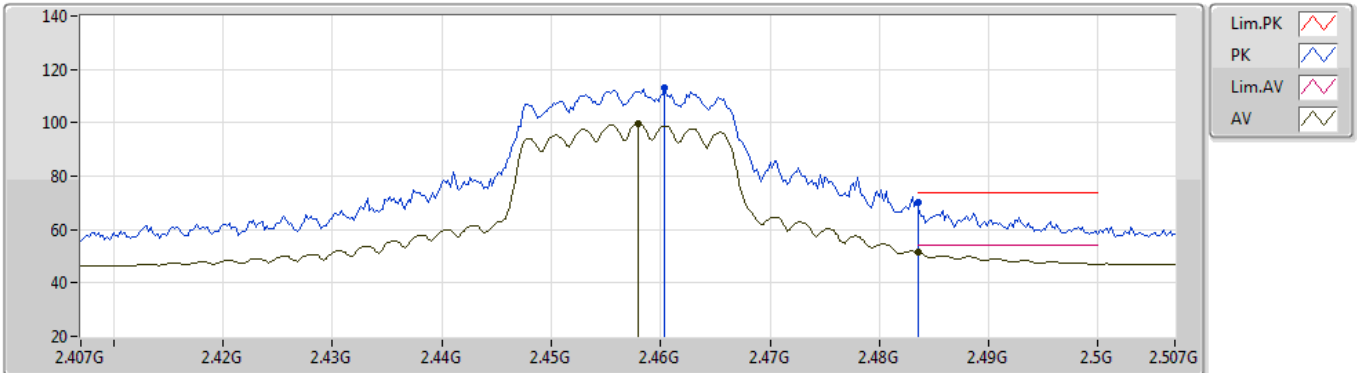


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	53.43	54.00	-0.57	33.57	3	Horizontal	329	1.08	-	19.86	27.62	5.95	-
AV	2.4166G	102.11	Inf	-Inf	33.51	3	Horizontal	329	1.08	-	68.60	27.53	5.98	-
PK	2.3894G	71.54	74.00	-2.46	33.57	3	Horizontal	329	1.08	-	37.97	27.62	5.95	-
PK	2.4162G	115.14	Inf	-Inf	33.52	3	Horizontal	329	1.08	-	81.62	27.54	5.98	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

2457MHz_TX

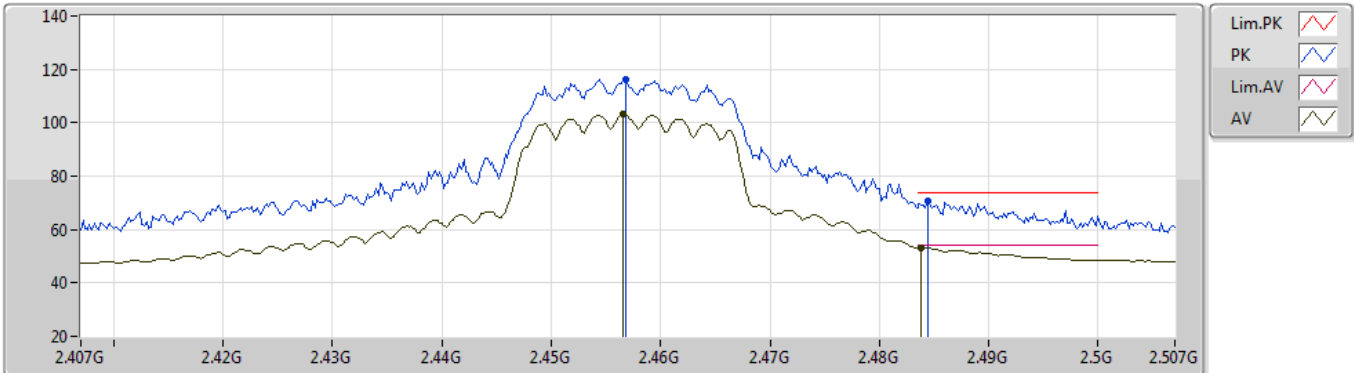


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.458G	99.75	Inf	-Inf	33.43	3	Vertical	212	1.40	-	66.32	27.40	6.03	-
AV	2.4835G	51.54	54.00	-2.46	33.46	3	Vertical	212	1.40	-	18.08	27.40	6.06	-
PK	2.4604G	112.93	Inf	-Inf	33.43	3	Vertical	212	1.40	-	79.50	27.40	6.03	-
PK	2.4835G	70.09	74.00	-3.91	33.46	3	Vertical	212	1.40	-	36.63	27.40	6.06	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/09/2020

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	2.4566G	103.24	Inf	-Inf	33.43	3	Horizontal	323	1.15	-	69.81	27.40	6.03	-
AV	2.4838G	53.17	54.00	-0.83	33.46	3	Horizontal	323	1.15	-	19.71	27.40	6.06	-
PK	2.4568G	116.36	Inf	-Inf	33.43	3	Horizontal	323	1.15	-	82.93	27.40	6.03	-
PK	2.4844G	70.70	74.00	-3.30	33.46	3	Horizontal	323	1.15	-	37.24	27.40	6.06	-

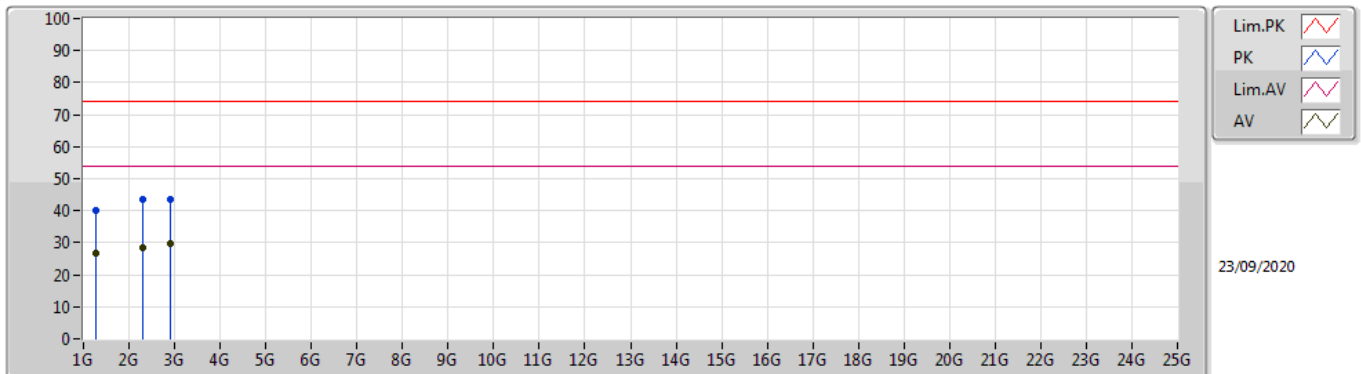
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.892G	29.73	54.00	-24.27	Vertical

Mode Configure

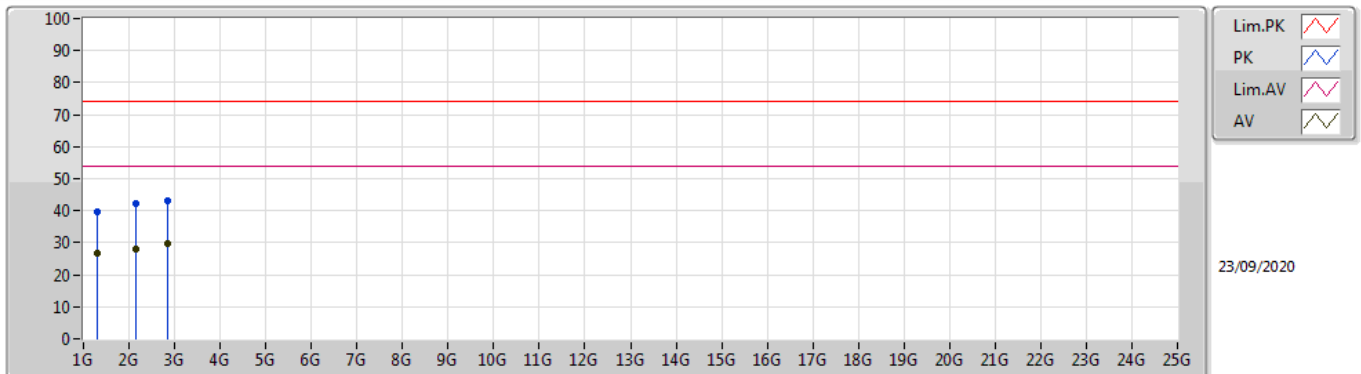
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.276G	26.69	54.00	-27.31	3	Vertical	270	1.47	-
Mode 1	Pass	AV	2.292G	28.64	54.00	-25.36	3	Vertical	242	1.68	-
Mode 1	Pass	AV	2.892G	29.73	54.00	-24.27	3	Vertical	187	1.24	-
Mode 1	Pass	PK	1.276G	39.92	74.00	-34.08	3	Vertical	270	1.47	-
Mode 1	Pass	PK	2.292G	43.35	74.00	-30.65	3	Vertical	242	1.68	-
Mode 1	Pass	PK	2.892G	43.63	74.00	-30.37	3	Vertical	187	1.24	-
Mode 1	Pass	AV	1.308G	26.52	54.00	-27.48	3	Horizontal	134	1.75	-
Mode 1	Pass	AV	2.152G	28.15	54.00	-25.85	3	Horizontal	302	1.60	-
Mode 1	Pass	AV	2.848G	29.73	54.00	-24.27	3	Horizontal	254	1.07	-
Mode 1	Pass	PK	1.308G	39.86	74.00	-34.14	3	Horizontal	134	1.75	-
Mode 1	Pass	PK	2.152G	42.14	74.00	-31.86	3	Horizontal	302	1.60	-
Mode 1	Pass	PK	2.848G	43.26	74.00	-30.74	3	Horizontal	254	1.07	-

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.276G	26.69	54.00	-27.31	-4.42	3	Vertical	270	1.47	-	31.11	25.60	4.49	34.51
AV	2.292G	28.64	54.00	-25.36	-0.48	3	Vertical	242	1.68	-	29.12	27.92	5.88	34.28
AV	2.892G	29.73	54.00	-24.27	0.65	3	Vertical	187	1.24	-	29.08	28.37	6.48	34.20
PK	1.276G	39.92	74.00	-34.08	-4.42	3	Vertical	270	1.47	-	44.34	25.60	4.49	34.51
PK	2.292G	43.35	74.00	-30.65	-0.48	3	Vertical	242	1.68	-	43.83	27.92	5.88	34.28
PK	2.892G	43.63	74.00	-30.37	0.65	3	Vertical	187	1.24	-	42.98	28.37	6.48	34.20

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.308G	26.52	54.00	-27.48	-4.17	3	Horizontal	134	1.75	-	30.69	25.75	4.54	34.46
AV	2.152G	28.15	54.00	-25.85	-0.87	3	Horizontal	302	1.60	-	29.02	27.61	5.75	34.23
AV	2.848G	29.73	54.00	-24.27	0.42	3	Horizontal	254	1.07	-	29.31	28.20	6.44	34.22
PK	1.308G	39.86	74.00	-34.14	-4.17	3	Horizontal	134	1.75	-	44.03	25.75	4.54	34.46
PK	2.152G	42.14	74.00	-31.86	-0.87	3	Horizontal	302	1.60	-	43.01	27.61	5.75	34.23
PK	2.848G	43.26	74.00	-30.74	0.42	3	Horizontal	254	1.07	-	42.84	28.20	6.44	34.22