



FCC Test Report

FCC ID : UIDTG9452
Equipment : Wireless Gateway
Brand Name : ARRIS
Model Name : TG9452
Applicant : ARRIS
3871 Lakefield Drive, Suite 300, Suwanee, GA 30024
Manufacturer : ARRIS
3871 Lakefield Drive, Suite 300, Suwanee, GA 30024
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 20, 2019, and testing was started from Jan. 06, 2020 and completed on Mar. 10, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	8
1.3 Testing Location Information	8
1.4 Measurement Uncertainty	8
2 TEST CONFIGURATION OF EUT.....	9
2.1 Test Condition	9
2.2 Test Channel Mode	9
2.3 The Worst Case Measurement Configuration.....	11
2.4 Accessories	12
2.5 Support Equipment.....	12
2.6 Test Setup Diagram	13
3 TRANSMITTER TEST RESULT	14
3.1 AC Power-line Conducted Emissions	14
3.2 DTS Bandwidth.....	16
3.3 Maximum Conducted Output Power	17
3.4 Power Spectral Density	19
3.5 Emissions in Non-restricted Frequency Bands	20
3.6 Emissions in Restricted Frequency Bands.....	21
4 TEST EQUIPMENT AND CALIBRATION DATA	25
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX H. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR9D1213AC	01	Initial issue of report	Apr. 01, 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: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number	Max Output Power (dBm)
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20)	2412-2462	1-11 [11]	29.96
2400-2483.5	n (HT40), VHT40, ax(HEW40)	2422-2452	3-9 [7]	

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	VHT20	20	4TX
2.4-2.4835GHz	VHT40	40	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- The resource unit of HEW 20, HEW 40 only support full loading.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	GALTRONICS	US PAT 7825863 60-2893-03-2	PIFA	I-PEX	3.94
2	2	GALTRONICS	US PAT 7825863 60-2893-03-2	PIFA	I-PEX	3.20
3	3	GALTRONICS	US PAT 7825863 60-2893-03-2	PIFA	I-PEX	-1.79
4	4	GALTRONICS	US PAT 7825863 60-2893-03-2	PIFA	I-PEX	0.80

Frequency (MHz)	2.4G Composite Gain (dBi)
	Phase-Correlated
2400	4.40
2450	5.26
2500	4.93

Note. The composite gain was used during the test.

For 2.4GHz function:

For IEEE 802.11 b/g/n/ac/ax mode (4TX/4RX)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) 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)_4TX	0.952	0.21	12.418m	100
802.11g_Nss1,(6Mbps)_4TX	0.95	0.22	2.066m	1k
VHT20_Nss1,(MCS0)_4TX	0.985	0.07	1.93m	10
VHT40_Nss1,(MCS0)_4TX	0.971	0.13	953.75u	3k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.98	0.09	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_4TX	0.963	0.16	781.25u	3k

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

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 558074 D01 v05r02
- ♦ 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	21.2~22.5°C / 59.2~66.4%	16/Jan/2020
RF Conducted	TH01-HY	Alan Chien	23.1~25°C / 61~67%	13/Jan/2020~17/Jan/2020
Radiated	03CH03-HY	Jeff Lin	25.5~26.1°C / 55~59%	06/Jan/2020~10/Mar/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	accessMTool_REL_3_2_0_1
-----------------------	-------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	89
2437MHz	87
2462MHz	98
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	93
2417MHz	95
2437MHz	96
2457MHz	98
2462MHz	99
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	91
2417MHz	94
2437MHz	97
2457MHz	99
2462MHz	99
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	92
2427MHz	95
2437MHz	95
2447MHz	98
2452MHz	97
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	90
2417MHz	94
2437MHz	95



Mode	Power Setting
2457MHz	98
2462MHz	99
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	88
2427MHz	92
2437MHz	89
2447MHz	96
2452MHz	92

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	Y Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA9D1213 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.4 Accessories

Accessories				
AC Adapter	Brand Name	ARRI	Model Name	NBS60E120417M2
	Power Rating	I/P: 100 - 240Vac, 1.5 A, O/P: 12 Vdc, 4.17 A		
	Power Cord	1.0 meter, non-shielded cable, w/o ferrite core		
Power cord	Category	-	In/Out door	Indoor
	Power Cord	1.0 meter, non-shielded cable		

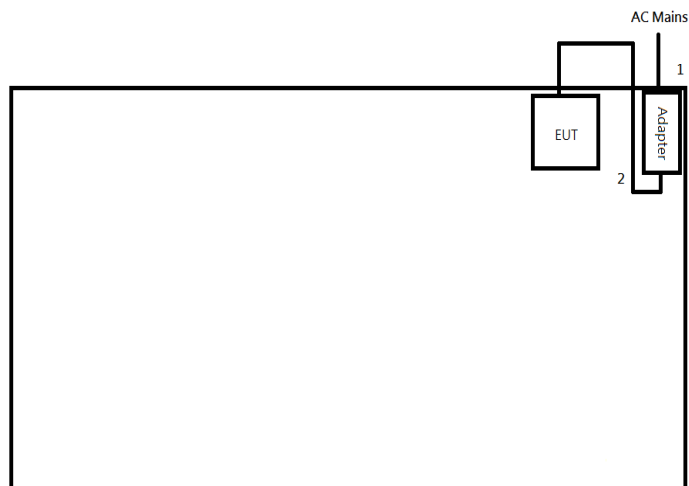
Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	PP13S	DoC	-

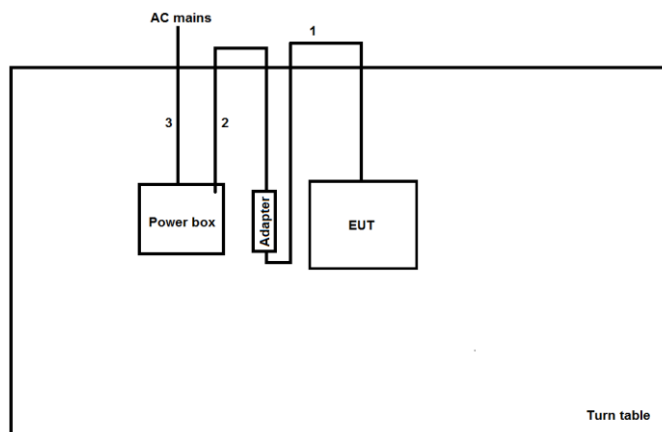
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	Power cord	No	1.0	-
2	AC Adapter	No	1.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Adapter	No	1.0	-
2	Power cord	No	1.0	-
3	Power cable	No	1.8	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

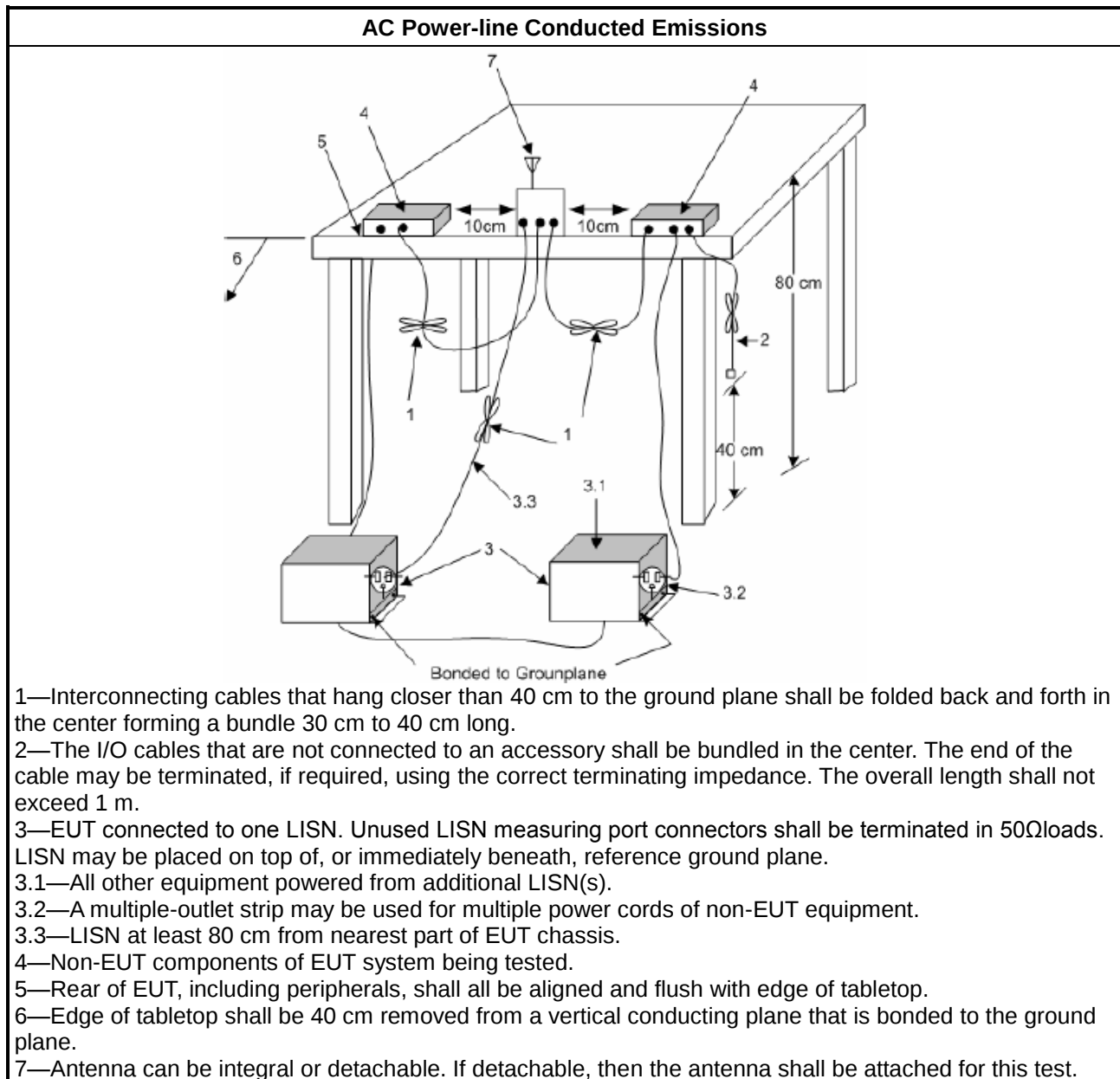
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

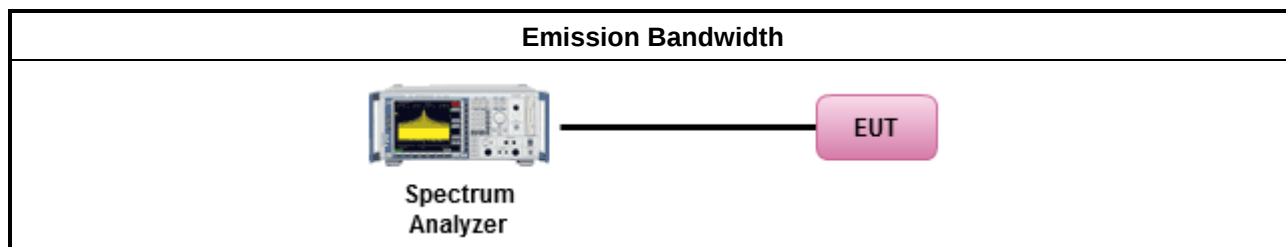
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

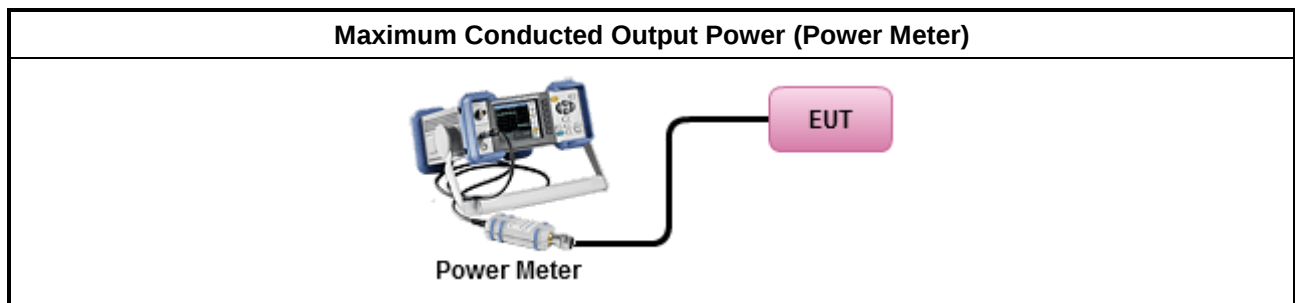
3.3.2 Measuring Instruments

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

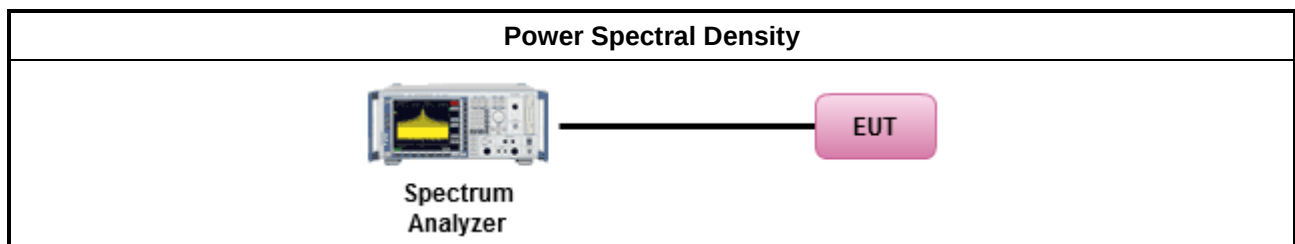
3.4.2 Measuring Instruments

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.	

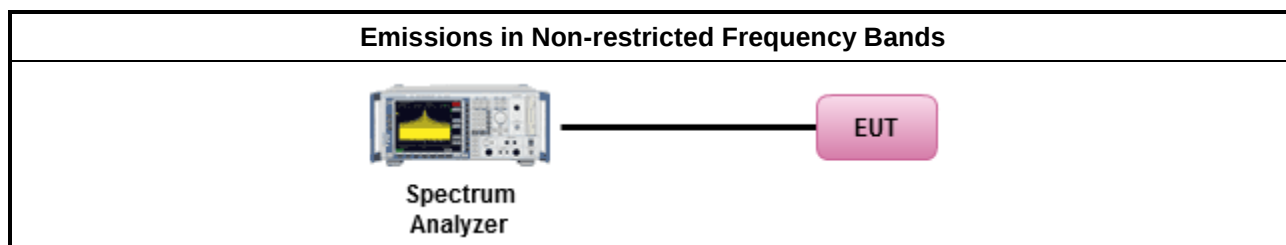
3.5.2 Measuring Instruments

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.

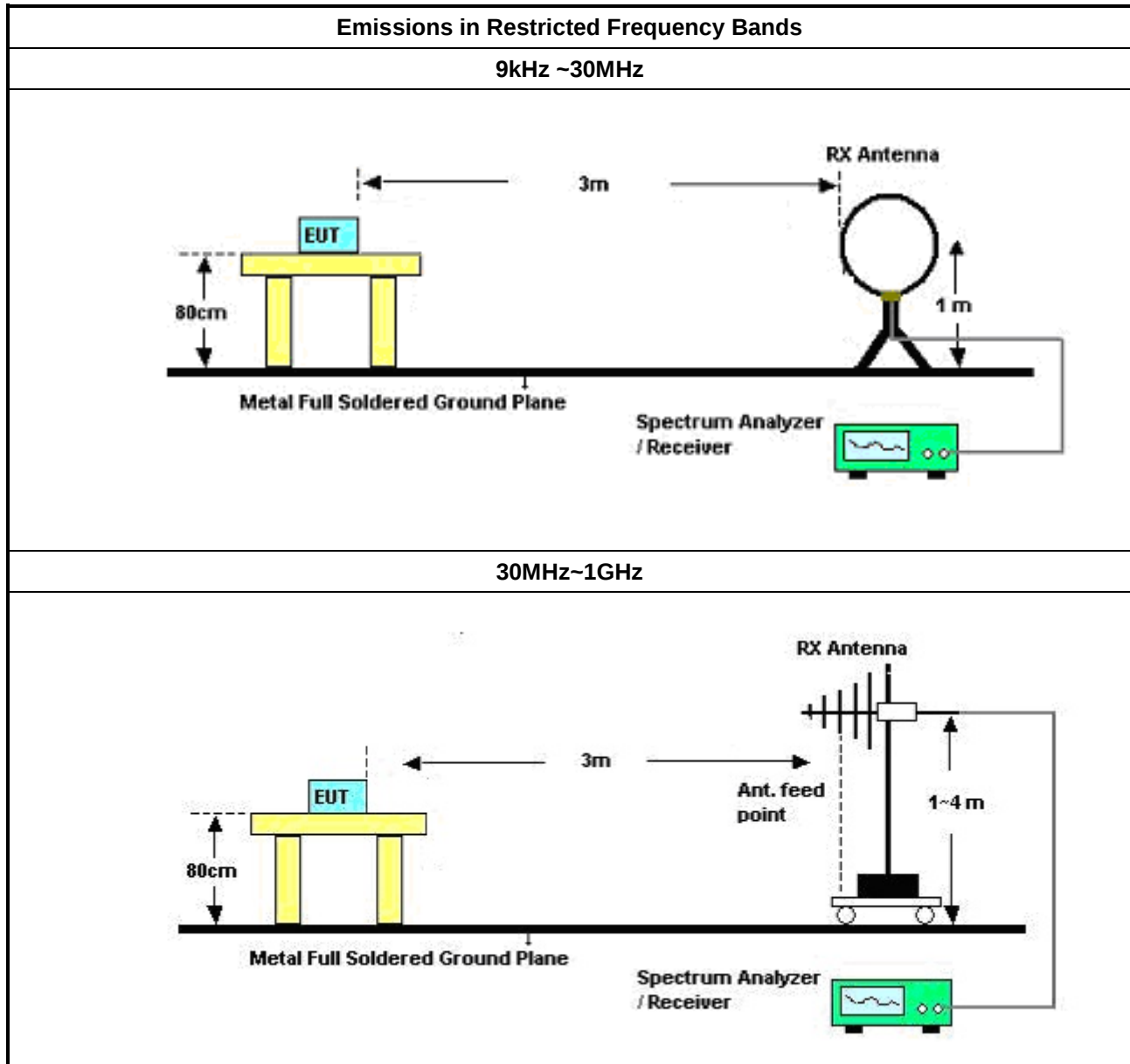
3.6.2 Measuring Instruments

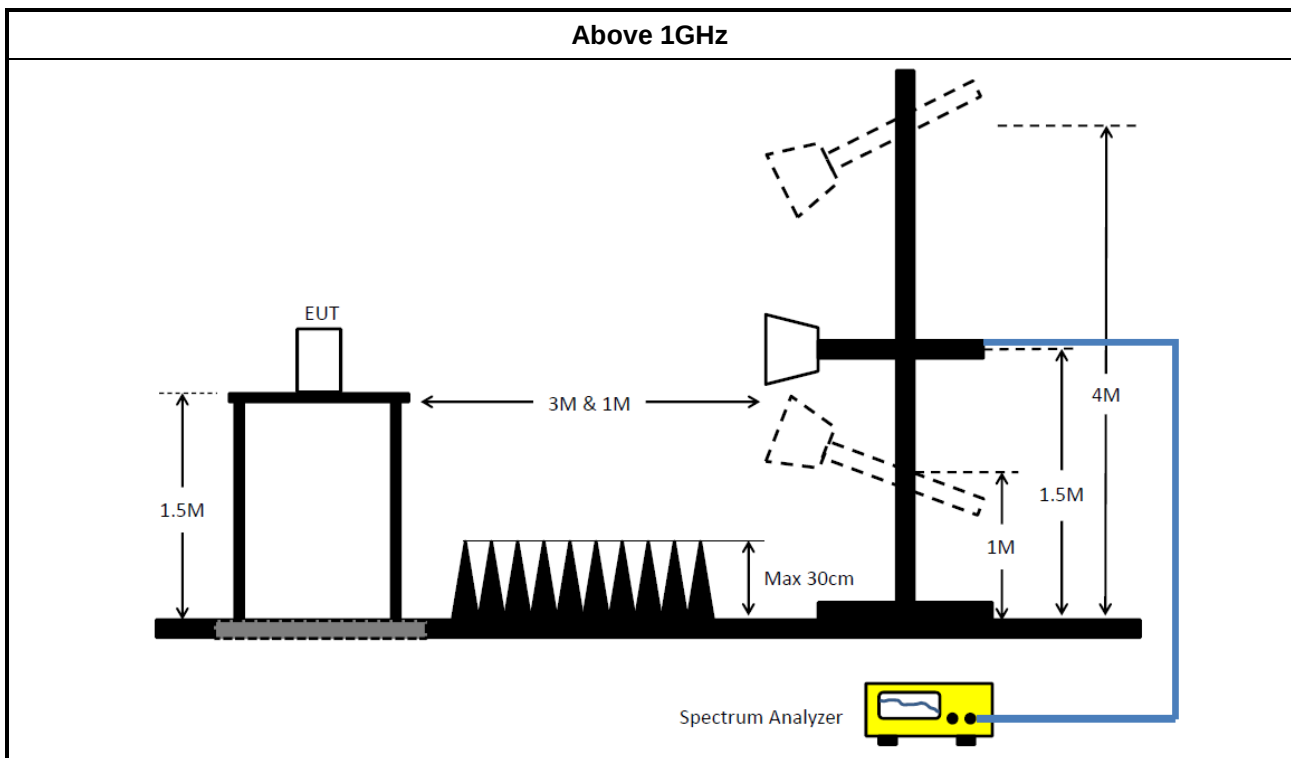
Refer a test equipment and calibration data table in this test report.

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 Test Setup





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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	04/Nov/2019	05/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	12/Sep/2019	11/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	24/Sep/2019	23/Sep/2020

NCR: Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020

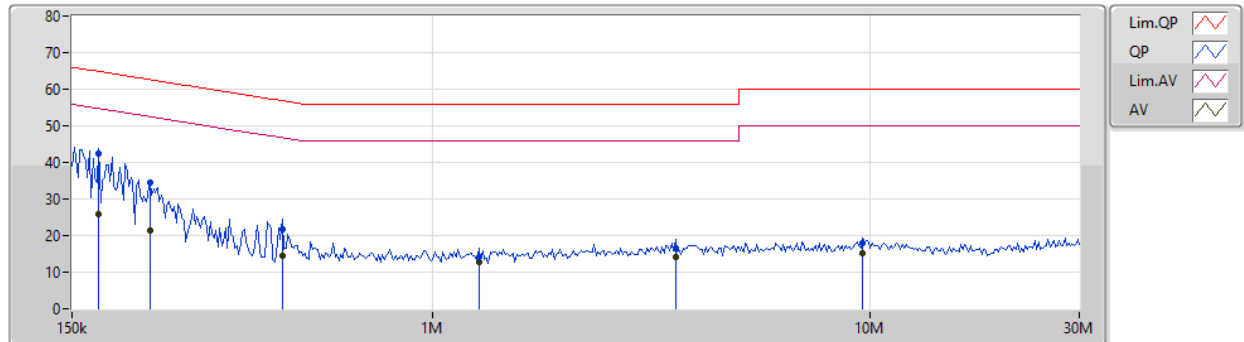
**Instrument for Radiated Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Aug/2019	29/Aug/2020
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Aug/2019	29/Aug/2020
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	11/Oct/2019	10/Oct/2020
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	09/Sep/2019	08/Sep/2020
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	15/Aug/2019	14/Aug/2020
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	22/Mar/2019	21/Mar/2020
RF CABLE 6m	HUBER+SUHNER	SUOFLEX 104	SN 805801/4	1GHz ~ 40GHz	21/Mar/2019	20/Mar/2020
RF CABLE	HUBER+SUHNER	SUOFLEX 104	802378/4	1 GHz ~ 18 GHz	04/Jul/2019	03/Jul/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz ~ 40GHz	22/Mar/ 2019	21/Mar/ 2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	03/Jun/2019	02/Jun/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	05/Aug/2019	04/Aug/2020
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	15/Mar/2019	14/Mar/2020

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter Mode		

16/01/2020

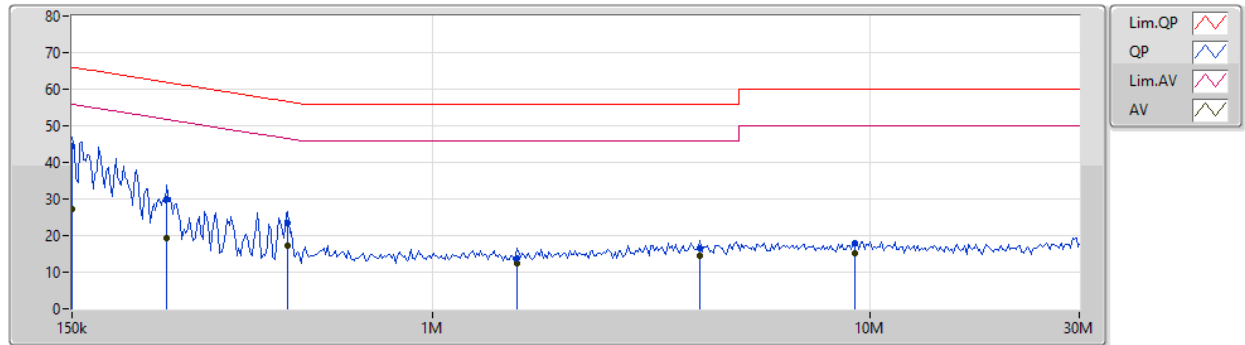


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	172.421k	42.43	64.83	-22.40	19.63	Neutral	"Worst"	22.80	9.65	0.11	9.87			
AV	172.421k	25.91	54.83	-28.92	19.63	Neutral	-	6.28	9.65	0.11	9.87			
QP	225.563k	34.32	62.62	-28.30	19.63	Neutral	-	14.69	9.64	0.12	9.87			
AV	225.563k	21.37	52.62	-31.25	19.63	Neutral	-	1.74	9.64	0.12	9.87			
QP	452.651k	21.85	56.82	-34.97	19.63	Neutral	-	2.22	9.63	0.13	9.87			
AV	452.651k	14.36	46.82	-32.46	19.63	Neutral	-	-5.27	9.63	0.13	9.87			
QP	1.274M	14.05	56.00	-41.95	19.64	Neutral	-	-5.59	9.64	0.12	9.88			
AV	1.274M	12.61	46.00	-33.39	19.64	Neutral	-	-7.03	9.64	0.12	9.88			
QP	3.586M	16.53	56.00	-39.47	19.72	Neutral	-	-3.19	9.66	0.18	9.88			
AV	3.586M	14.11	46.00	-31.89	19.72	Neutral	-	-5.61	9.66	0.18	9.88			
QP	9.603M	17.86	60.00	-42.14	19.85	Neutral	-	-1.99	9.70	0.27	9.88			
AV	9.603M	15.30	50.00	-34.70	19.85	Neutral	-	-4.55	9.70	0.27	9.88			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter Mode		

16/01/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	44.43	66.00	-21.57	19.64	Line	"Worst"	24.79	9.66	0.11	9.87			
AV	150k	27.35	56.00	-28.65	19.64	Line	-	7.71	9.66	0.11	9.87			
QP	246.695k	29.86	61.87	-32.01	19.64	Line	-	10.22	9.65	0.12	9.87			
AV	246.695k	19.48	51.87	-32.39	19.64	Line	-	-0.16	9.65	0.12	9.87			
QP	466.367k	23.32	56.57	-33.25	19.64	Line	-	3.68	9.64	0.13	9.87			
AV	466.367k	17.09	46.57	-29.48	19.64	Line	-	-2.55	9.64	0.13	9.87			
QP	1.555M	13.95	56.00	-42.05	19.65	Line	-	-5.70	9.65	0.13	9.87			
AV	1.555M	12.42	46.00	-33.58	19.65	Line	-	-7.23	9.65	0.13	9.87			
QP	4.081M	16.69	56.00	-39.31	19.73	Line	-	-3.04	9.66	0.19	9.88			
AV	4.081M	14.38	46.00	-31.62	19.73	Line	-	-5.35	9.66	0.19	9.88			
QP	9.229M	17.77	60.00	-42.23	19.83	Line	-	-2.06	9.69	0.26	9.88			
AV	9.229M	15.12	50.00	-34.88	19.83	Line	-	-4.71	9.69	0.26	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)_4TX	7.55M	11.594M	11M6G1D	6.525M	10.215M
802.11g_Nss1,(6Mbps)_4TX	16.35M	18.231M	18M2D1D	15.925M	16.892M
VHT20_Nss1,(MCS0)_4TX	17.575M	18.811M	18M8D1D	17.175M	17.811M
VHT40_Nss1,(MCS0)_4TX	36.35M	36.742M	36M7D1D	35.5M	36.302M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.975M	19.65M	19M6D1D	18.5M	19.03M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.5M	37.661M	37M7D1D	35.5M	37.381M

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

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

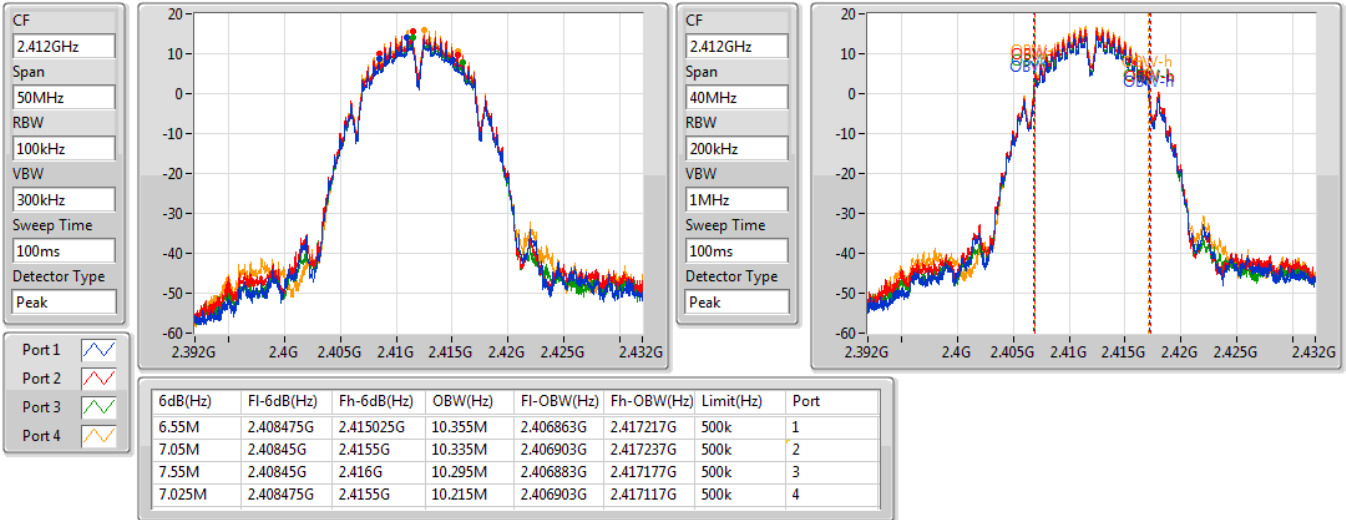
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	6.55M	10.355M	7.05M	10.335M	7.55M	10.295M	7.025M	10.215M
2437MHz	Pass	500k	7.025M	10.235M	7.05M	10.355M	6.525M	10.295M	7.05M	10.395M
2462MHz	Pass	500k	7.025M	10.975M	7.05M	10.755M	6.55M	10.375M	7.525M	11.594M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.912M	16.325M	16.992M	15.925M	16.892M	16.325M	16.892M
2437MHz	Pass	500k	16.325M	16.892M	16.35M	17.631M	16.325M	17.191M	16.35M	17.731M
2462MHz	Pass	500k	16.325M	17.831M	16.05M	17.751M	16.325M	16.992M	16.325M	18.231M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.951M	17.575M	17.891M	17.25M	17.811M	17.55M	17.971M
2437MHz	Pass	500k	17.55M	18.031M	17.575M	18.571M	17.575M	18.111M	17.575M	18.751M
2462MHz	Pass	500k	17.575M	18.471M	17.175M	18.511M	17.55M	17.951M	17.575M	18.811M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.05M	36.422M	35.75M	36.302M	35.7M	36.382M	36.3M	36.502M
2437MHz	Pass	500k	35.5M	36.542M	36.35M	36.502M	36.3M	36.582M	36.35M	36.742M
2452MHz	Pass	500k	35.75M	36.742M	35.65M	36.502M	36.3M	36.742M	36.05M	36.702M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.9M	19.03M	18.5M	19.09M	18.775M	19.11M	18.725M	19.11M
2437MHz	Pass	500k	18.95M	19.07M	18.975M	19.25M	18.9M	19.21M	18.725M	19.37M
2462MHz	Pass	500k	18.9M	19.35M	18.75M	19.27M	18.8M	19.19M	18.8M	19.65M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.15M	37.501M	36.15M	37.461M	35.5M	37.381M	36.55M	37.501M
2437MHz	Pass	500k	36.8M	37.461M	37.1M	37.541M	37.05M	37.501M	37.5M	37.661M
2452MHz	Pass	500k	36.8M	37.541M	36.35M	37.541M	37.05M	37.581M	36.75M	37.581M

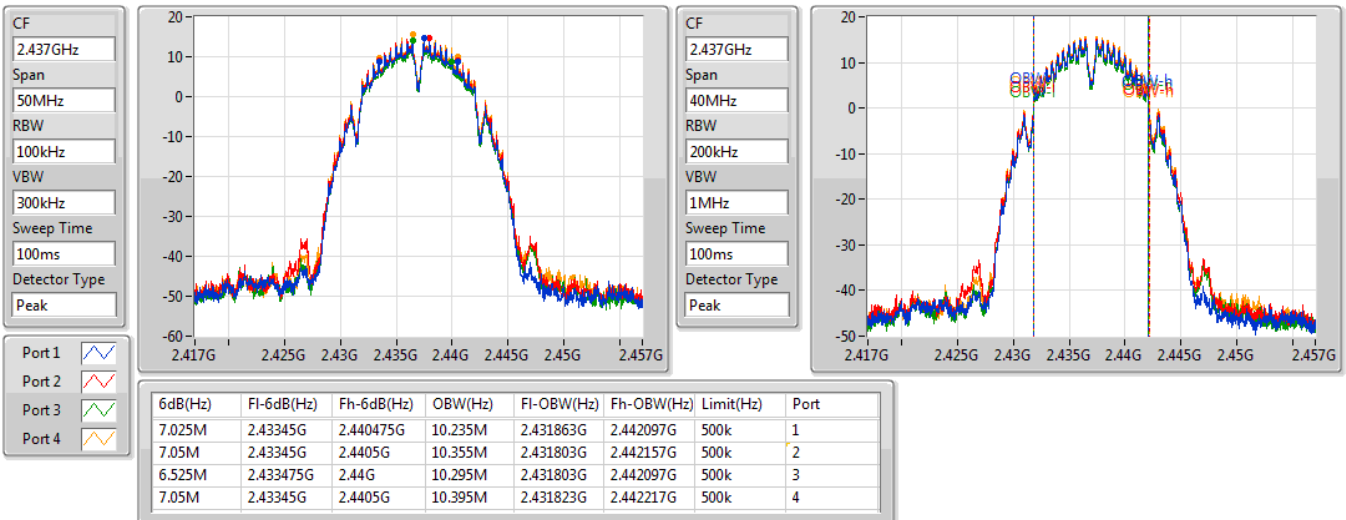
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

13/01/2020


802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

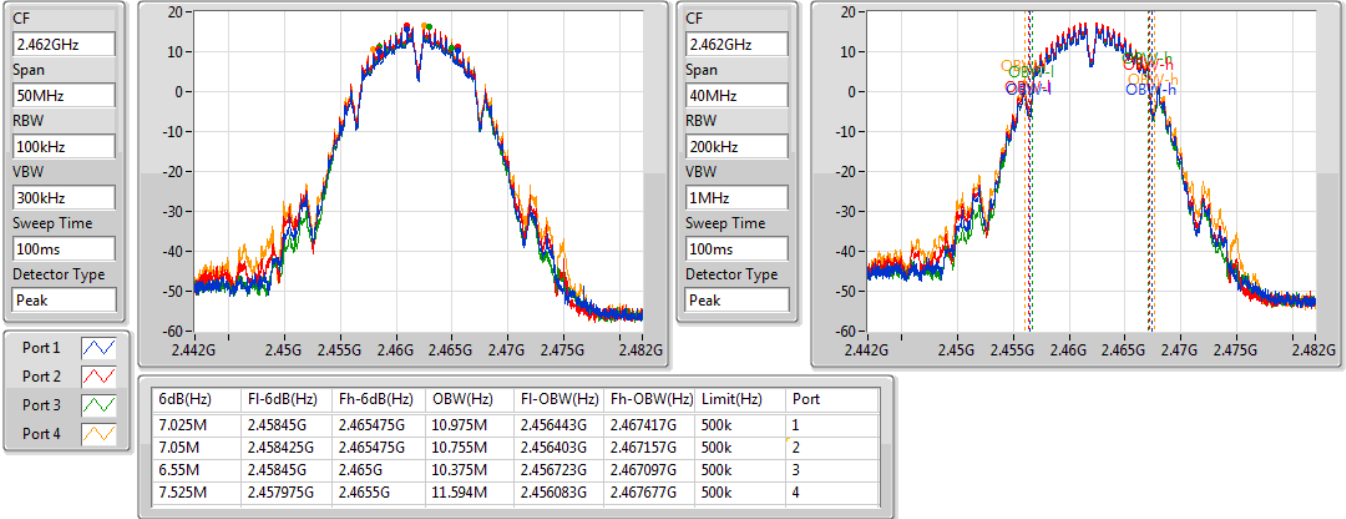
13/01/2020



802.11b_Nss1,(1Mbps)_4TX

2462MHz

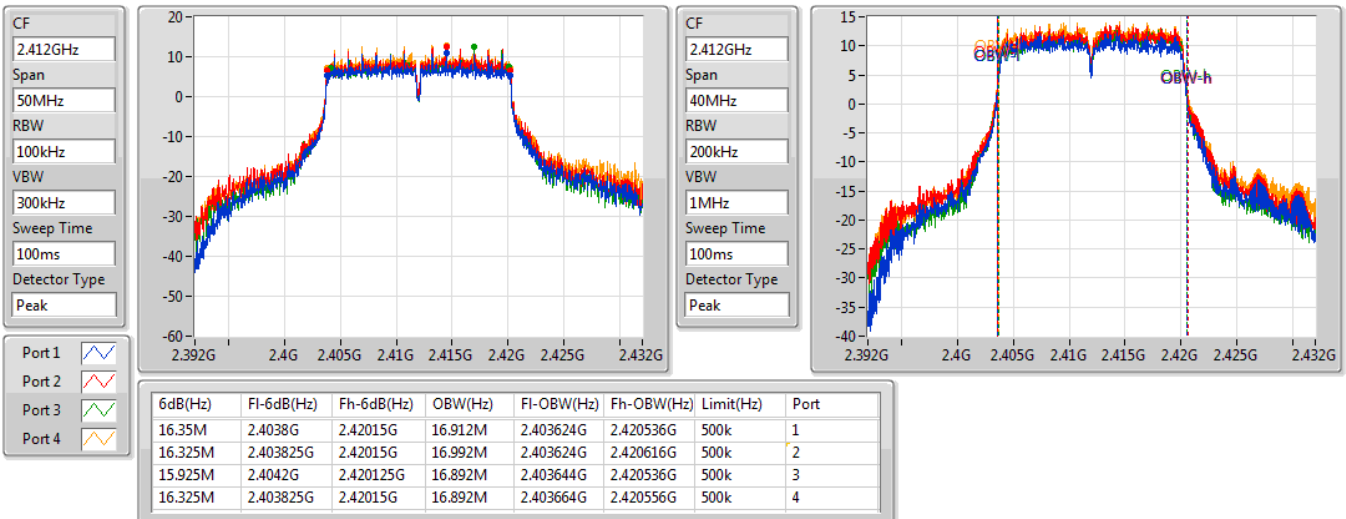
13/01/2020



802.11g_Nss1,(6Mbps)_4TX

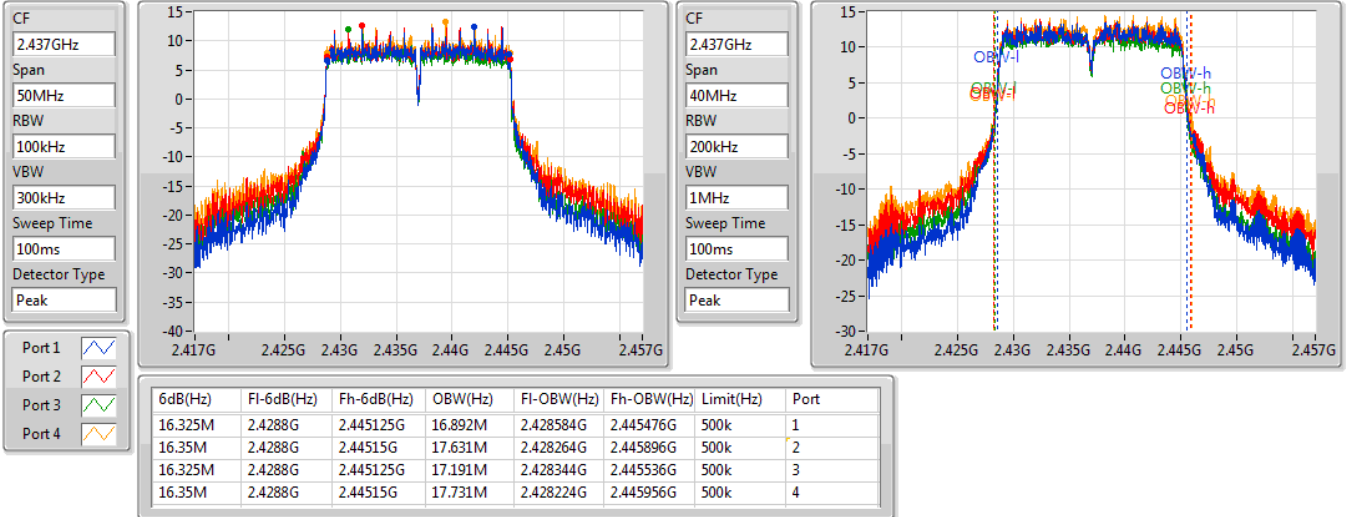
2412MHz

13/01/2020

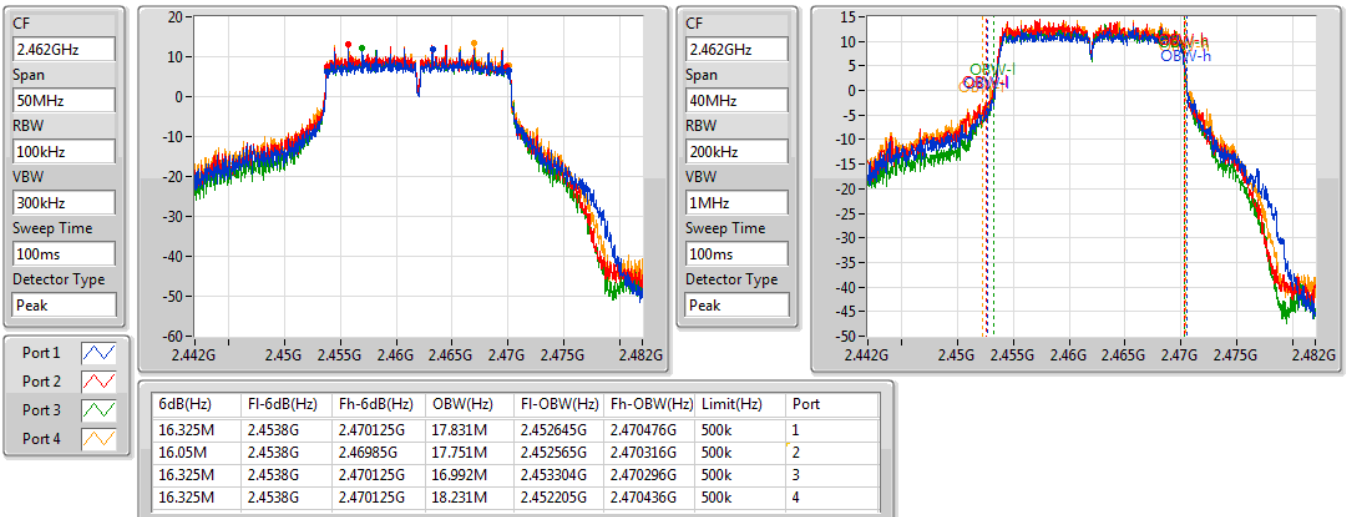


802.11g_Nss1,(6Mbps)_4TX
EBW
2437MHz

13/01/2020

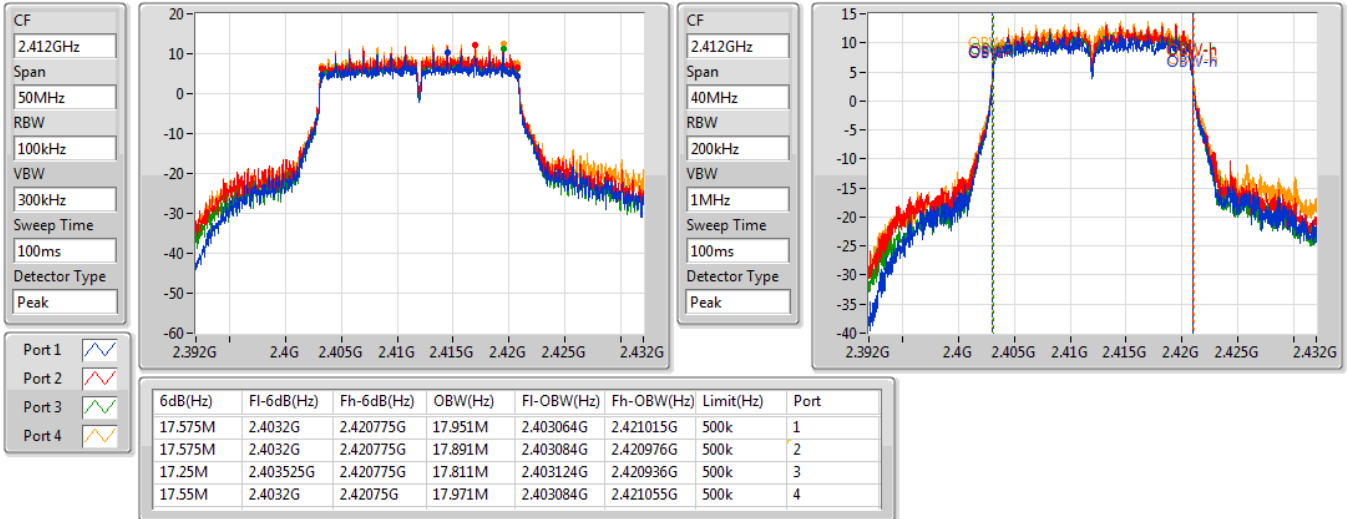

802.11g_Nss1,(6Mbps)_4TX
EBW
2462MHz

13/01/2020

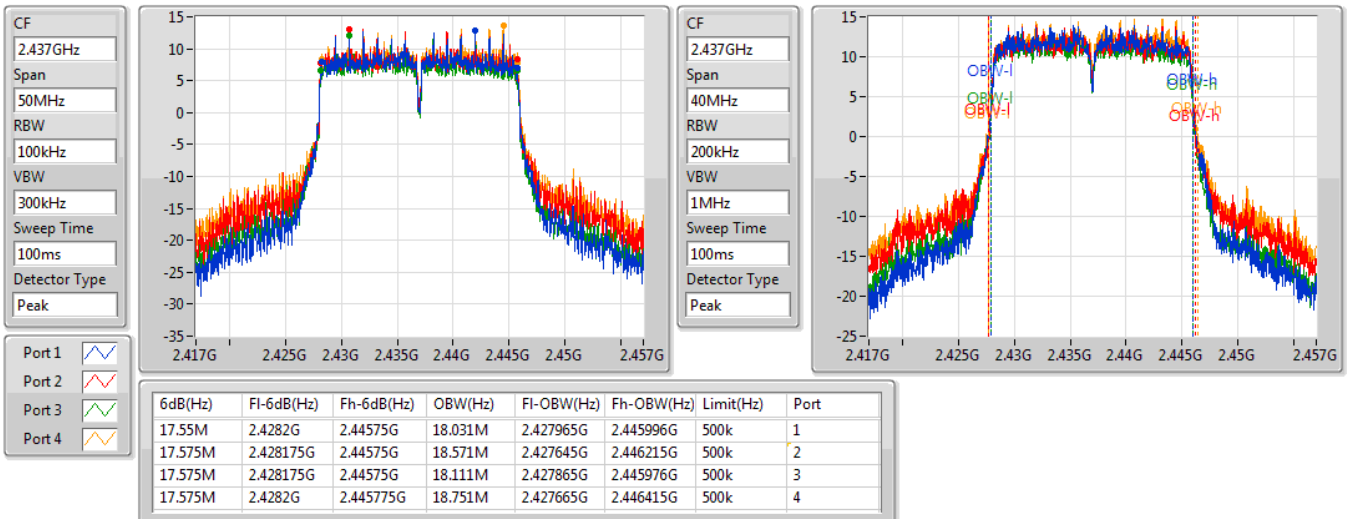


VHT20_Nss1,(MCS0)_4TX
EBW
2412MHz

13/01/2020

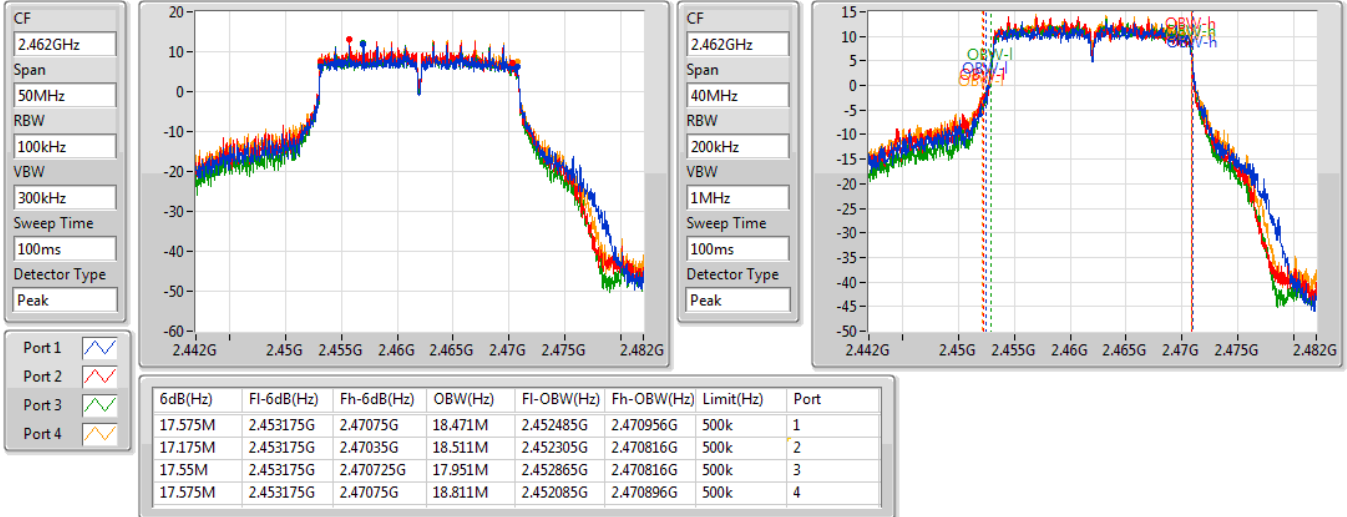

VHT20_Nss1,(MCS0)_4TX
EBW
2437MHz

13/01/2020

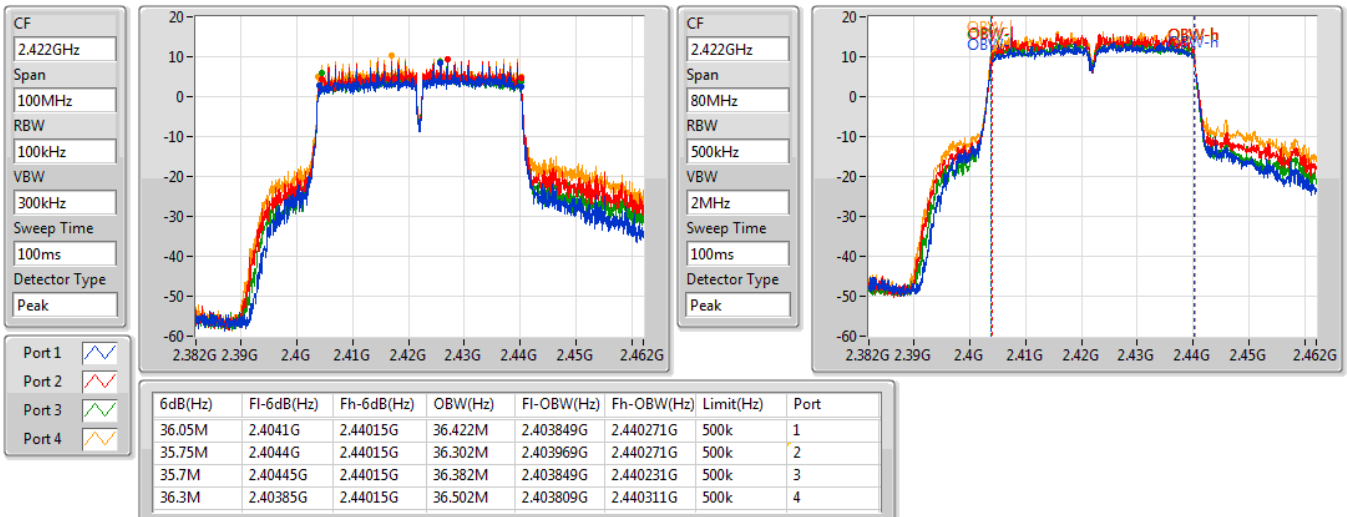


VHT20_Nss1,(MCS0)_4TX
EBW
2462MHz

13/01/2020

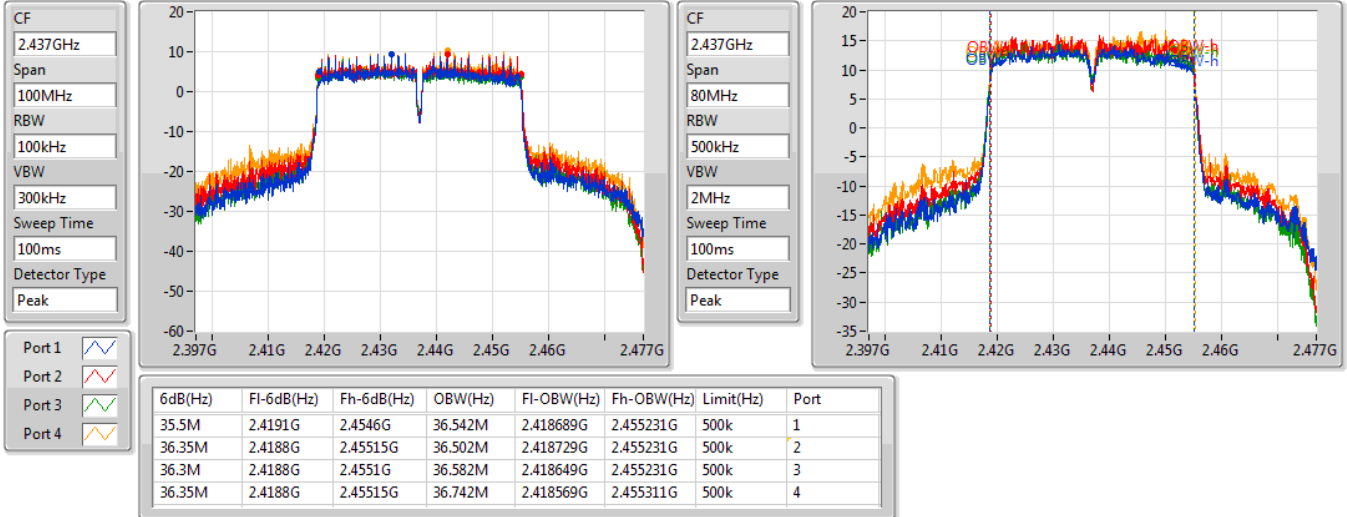

VHT40_Nss1,(MCS0)_4TX
EBW
2422MHz

13/01/2020

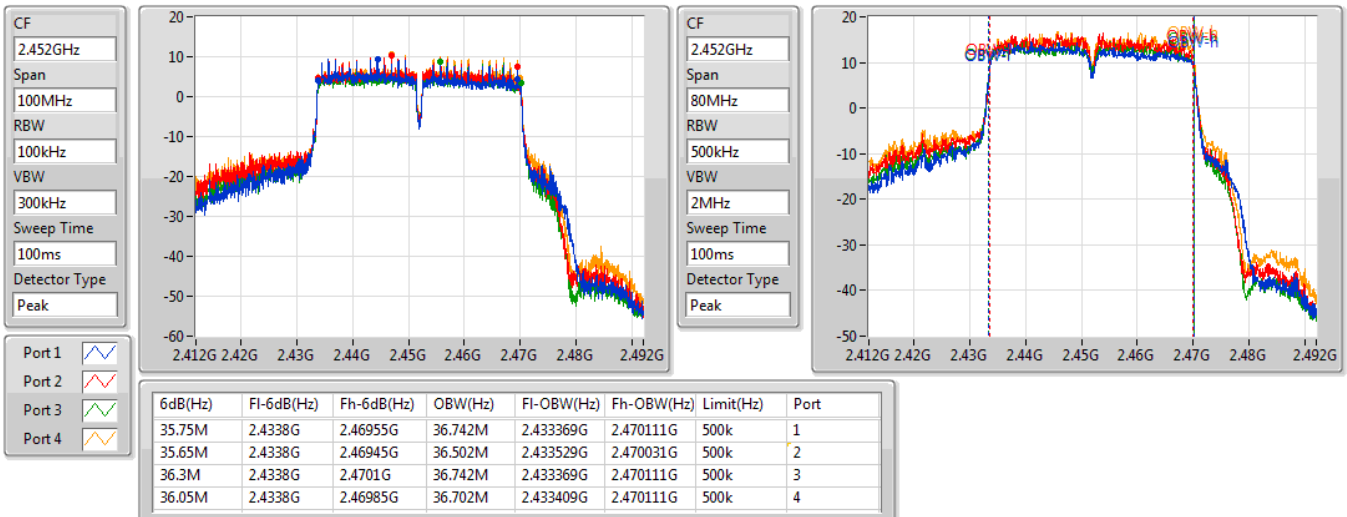


VHT40_Nss1,(MCS0)_4TX
EBW
2437MHz

13/01/2020

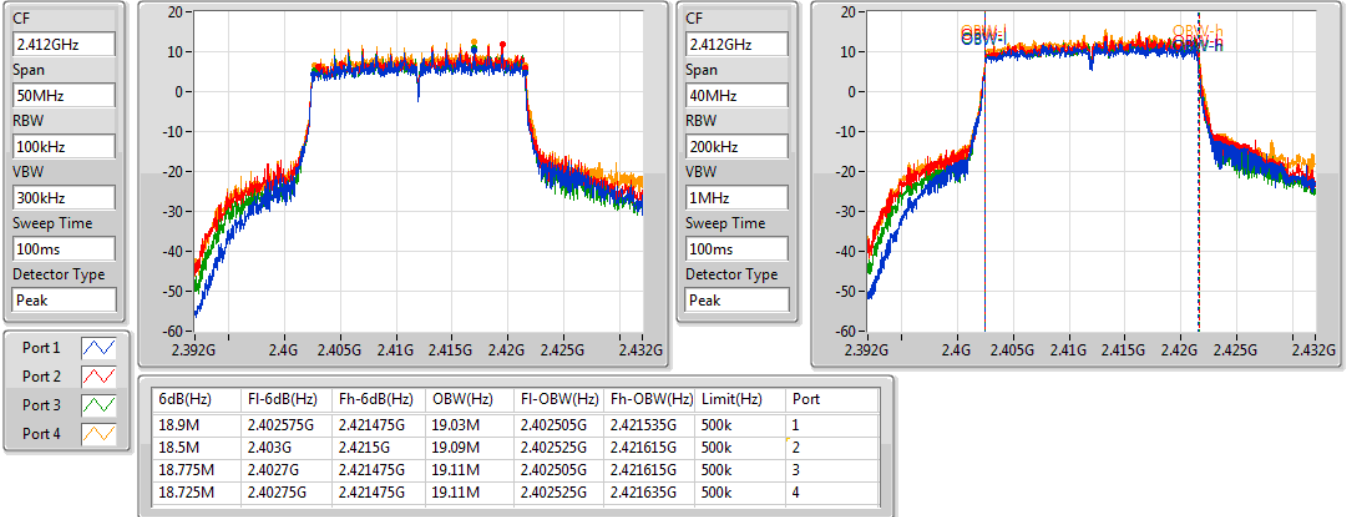

VHT40_Nss1,(MCS0)_4TX
EBW
2452MHz

13/01/2020

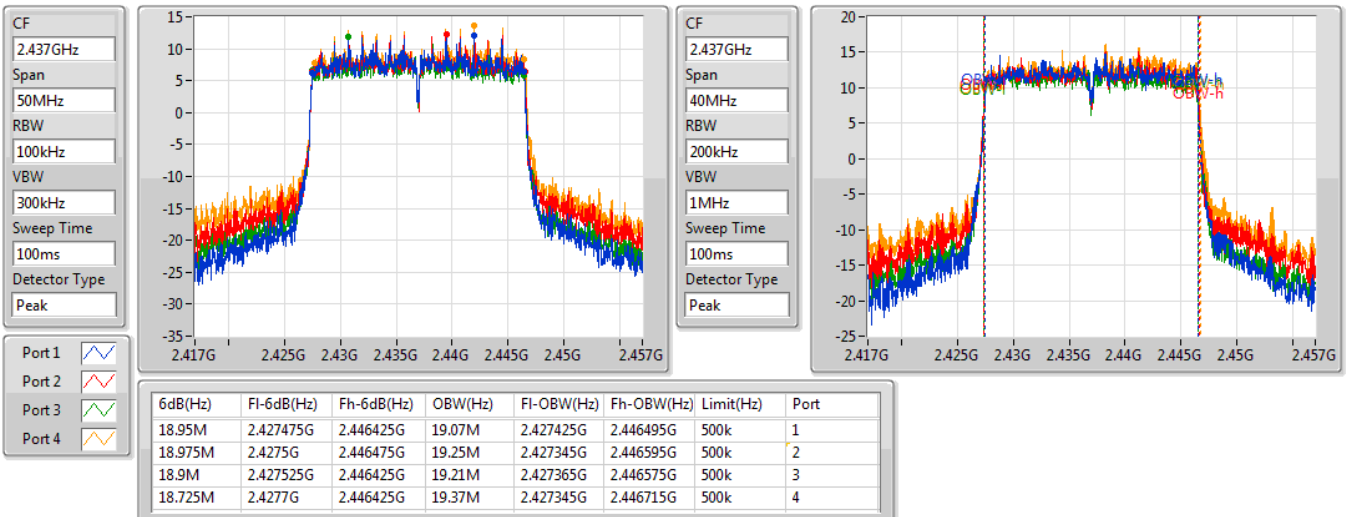


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2412MHz

13/01/2020

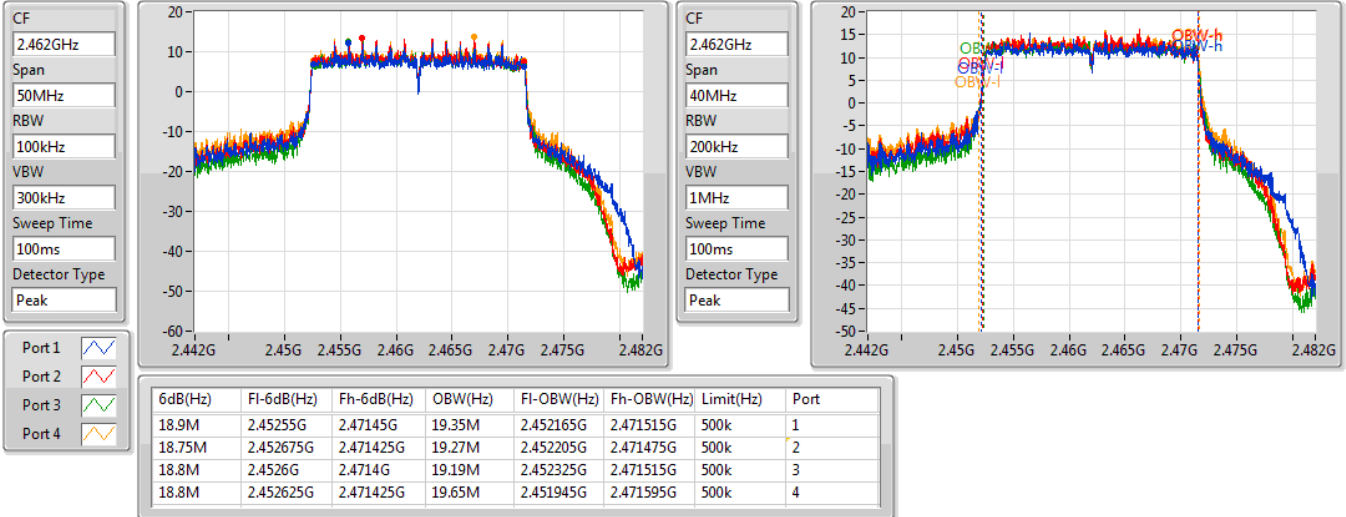

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2437MHz

13/01/2020

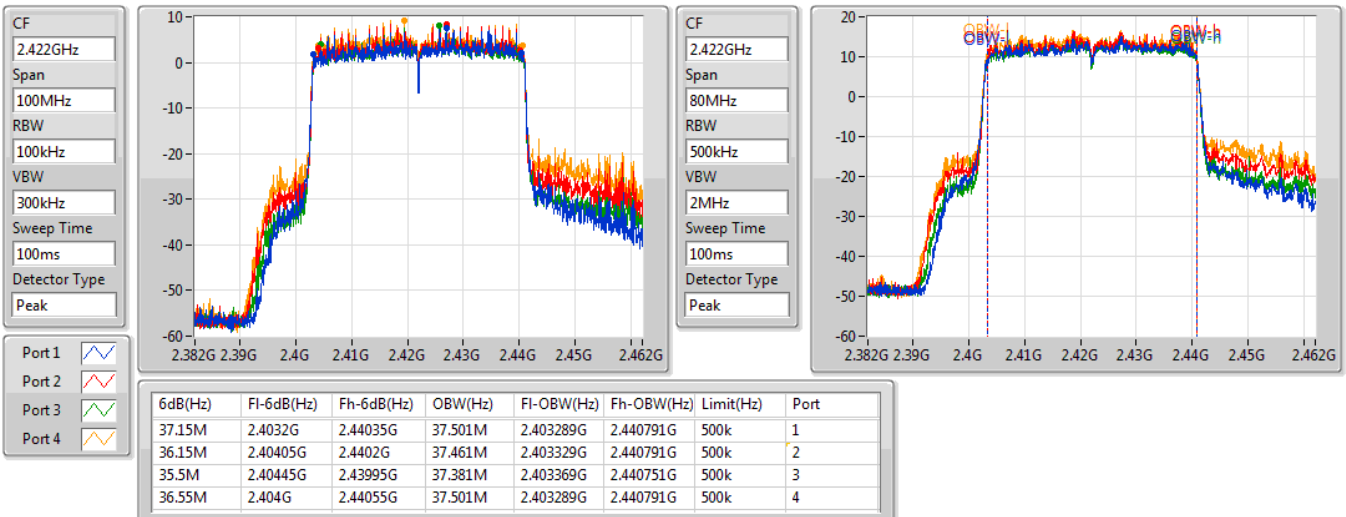


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2462MHz

13/01/2020

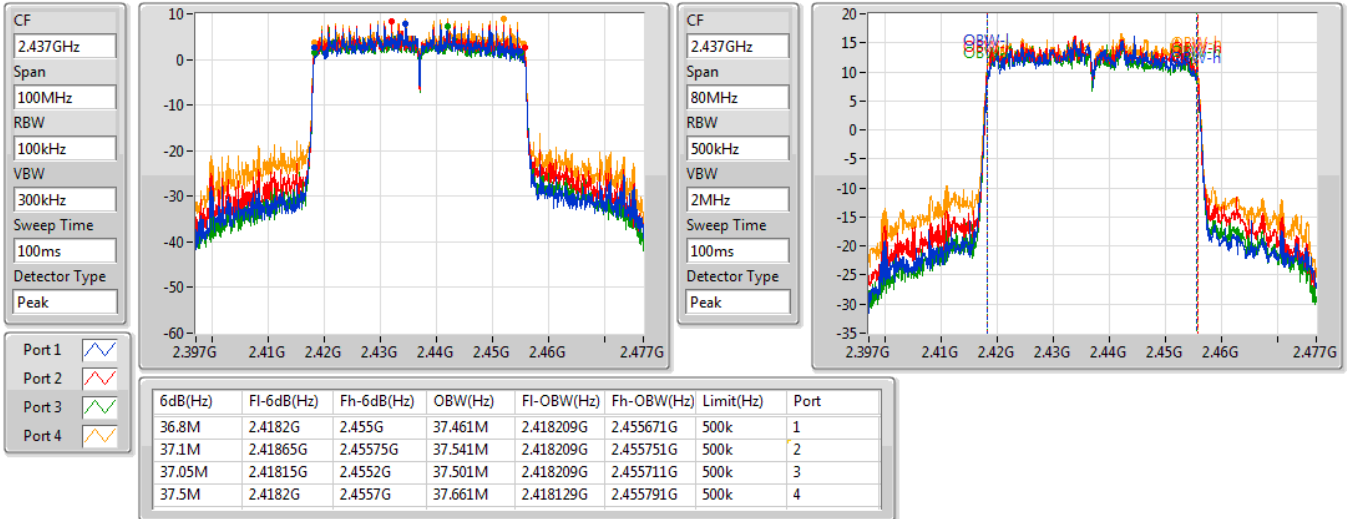

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2422MHz

13/01/2020

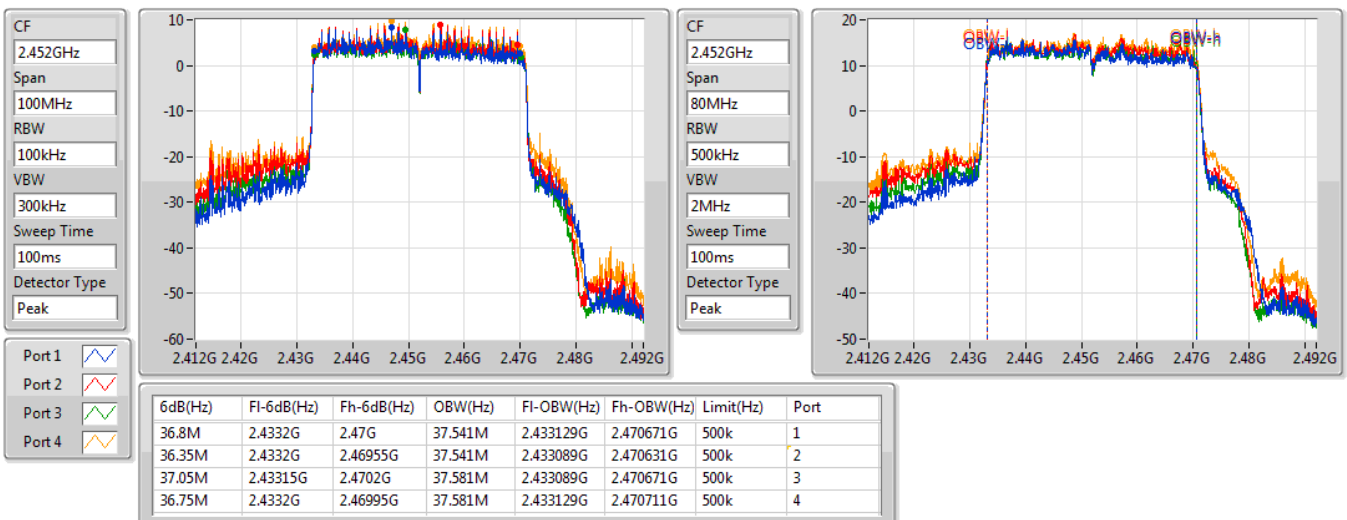


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2437MHz

13/01/2020


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2452MHz

13/01/2020





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.83	0.96161
802.11g_Nss1,(6Mbps)_4TX	29.91	0.97949
VHT20_Nss1,(MCS0)_4TX	29.96	0.99083
VHT40_Nss1,(MCS0)_4TX	29.96	0.99083
802.11ax HEW20_Nss1,(MCS0)_4TX	29.91	0.97949
802.11ax HEW40_Nss1,(MCS0)_4TX	29.85	0.96605

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.94	21.61	23.01	22.14	23.61	28.68	30.00
2437MHz	Pass	3.94	21.90	22.08	21.26	22.79	28.06	30.00
2462MHz	Pass	3.94	23.10	24.12	23.58	24.32	29.83	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.94	22.22	23.73	22.80	24.22	29.33	30.00
2417MHz	Pass	3.94	23.01	24.05	23.70	24.63	29.91	30.00
2437MHz	Pass	3.94	23.78	23.88	23.13	24.52	29.88	30.00
2457MHz	Pass	3.94	22.87	24.08	23.07	24.37	29.67	30.00
2462MHz	Pass	3.94	23.07	24.08	23.56	24.32	29.80	30.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.94	21.90	22.94	22.59	23.79	28.88	30.00
2417MHz	Pass	3.94	22.75	24.16	23.30	24.41	29.73	30.00
2437MHz	Pass	3.94	23.89	24.02	23.42	24.39	29.96	30.00
2457MHz	Pass	3.94	23.02	24.14	23.52	24.51	29.86	30.00
2462MHz	Pass	3.94	23.08	23.95	23.36	24.00	29.64	30.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.94	22.53	23.19	22.68	23.88	29.12	30.00
2427MHz	Pass	3.94	23.05	23.99	23.34	24.45	29.76	30.00
2437MHz	Pass	3.94	23.12	23.78	23.03	24.25	29.59	30.00
2447MHz	Pass	3.94	23.44	24.01	23.37	24.78	29.96	30.00
2452MHz	Pass	3.94	23.16	23.33	23.04	24.40	29.54	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.94	21.47	22.94	22.34	23.26	28.58	30.00
2417MHz	Pass	3.94	22.91	24.16	23.57	24.37	29.81	30.00
2437MHz	Pass	3.94	23.50	23.76	23.00	24.47	29.74	30.00
2457MHz	Pass	3.94	23.00	24.00	23.53	24.39	29.78	30.00
2462MHz	Pass	3.94	23.22	24.13	23.65	24.45	29.91	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.94	21.56	22.48	21.70	22.79	28.18	30.00
2427MHz	Pass	3.94	22.58	23.43	22.72	24.13	29.28	30.00
2437MHz	Pass	3.94	21.80	22.52	21.75	23.27	28.40	30.00
2447MHz	Pass	3.94	23.45	23.99	23.16	24.59	29.85	30.00
2452MHz	Pass	3.94	22.35	22.98	22.17	23.53	28.81	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-0.82
802.11g_Nss1,(6Mbps)_4TX	3.44
VHT20_Nss1,(MCS0)_4TX	3.54
VHT40_Nss1,(MCS0)_4TX	2.37
802.11ax HEW20_Nss1,(MCS0)_4TX	2.93
802.11ax HEW40_Nss1,(MCS0)_4TX	0.25

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.26	-8.47	-7.35	-8.20	-6.61	-2.02	8.00
2437MHz	Pass	5.26	-8.32	-8.43	-9.00	-7.62	-2.75	8.00
2462MHz	Pass	5.26	-7.36	-6.21	-6.16	-5.91	-0.82	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.26	-3.01	-1.81	-2.39	-1.29	3.44	8.00
2437MHz	Pass	5.26	-2.19	-1.18	-2.24	-1.42	3.38	8.00
2462MHz	Pass	5.26	-2.78	-1.63	-2.34	-1.72	3.44	8.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.26	-4.04	-2.37	-3.62	-1.61	2.30	8.00
2437MHz	Pass	5.26	-2.29	-1.61	-2.38	-1.49	3.54	8.00
2462MHz	Pass	5.26	-2.40	-1.56	-2.52	-1.49	3.35	8.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.26	-6.24	-4.04	-4.74	-3.20	0.34	8.00
2437MHz	Pass	5.26	-4.13	-3.91	-3.92	-4.60	1.32	8.00
2452MHz	Pass	5.26	-3.97	-3.93	-4.19	-2.67	2.37	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.26	-3.60	-2.34	-3.27	-2.68	2.90	8.00
2437MHz	Pass	5.26	-2.95	-2.09	-1.36	-2.06	2.93	8.00
2462MHz	Pass	5.26	-8.03	-6.99	-6.53	-6.41	-0.93	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.26	-7.61	-6.05	-7.31	-5.33	-0.78	8.00
2437MHz	Pass	5.26	-7.25	-6.25	-6.24	-5.50	-1.08	8.00
2452MHz	Pass	5.26	-6.52	-5.31	-5.93	-5.19	0.25	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

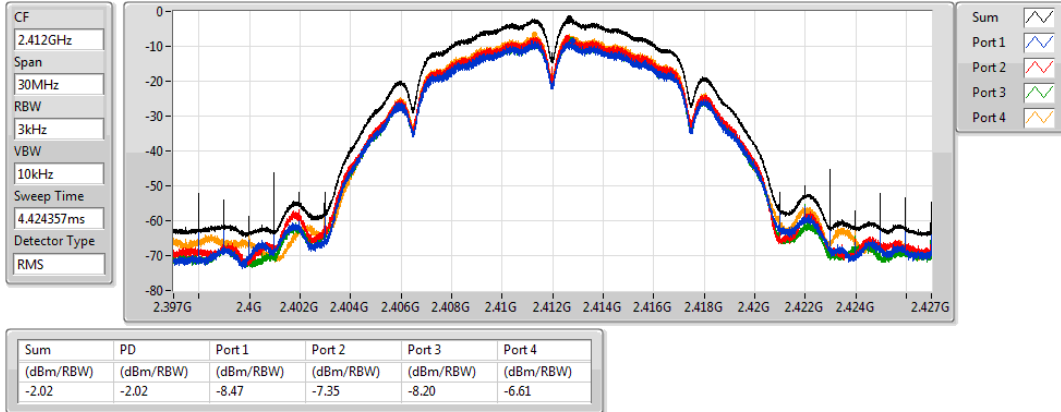
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

13/01/2020

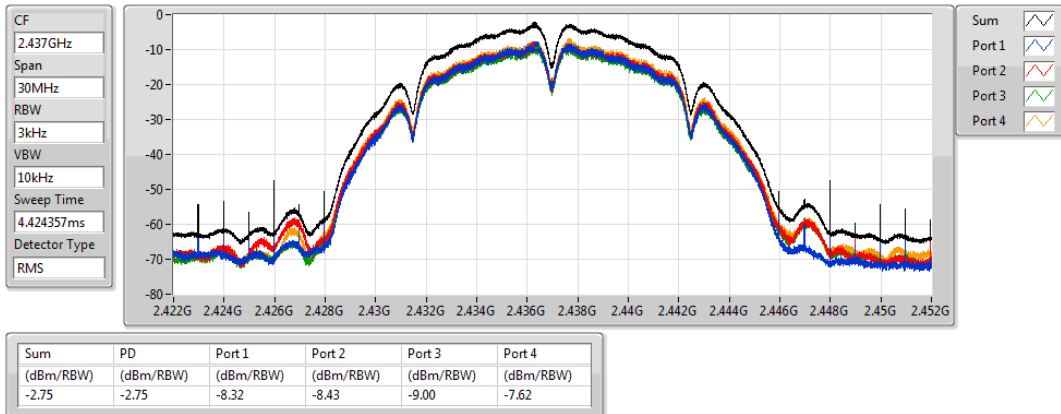


802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

13/01/2020

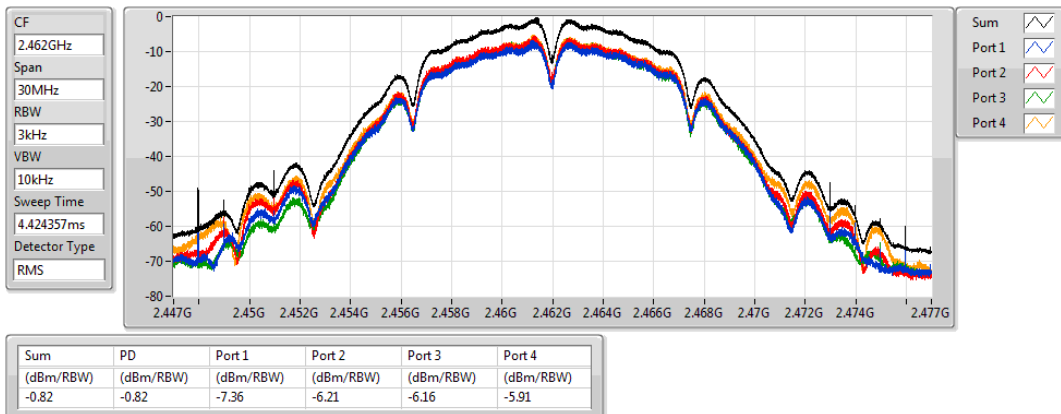


802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

13/01/2020

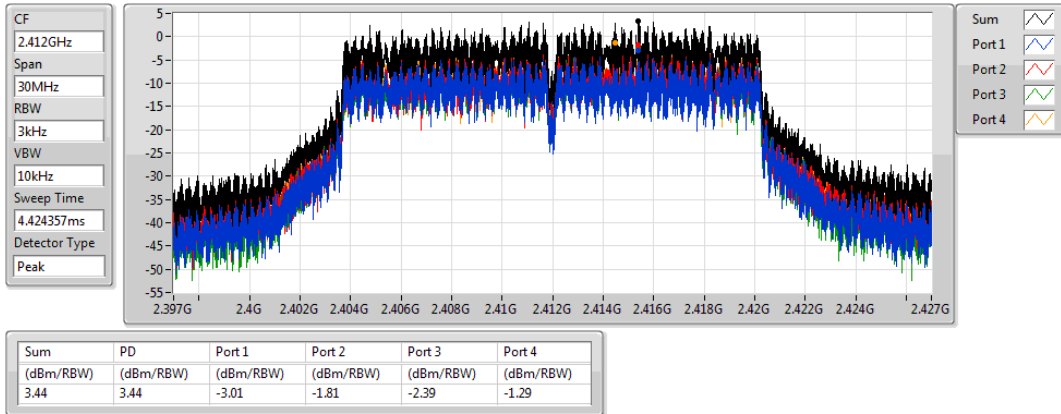


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

13/01/2020

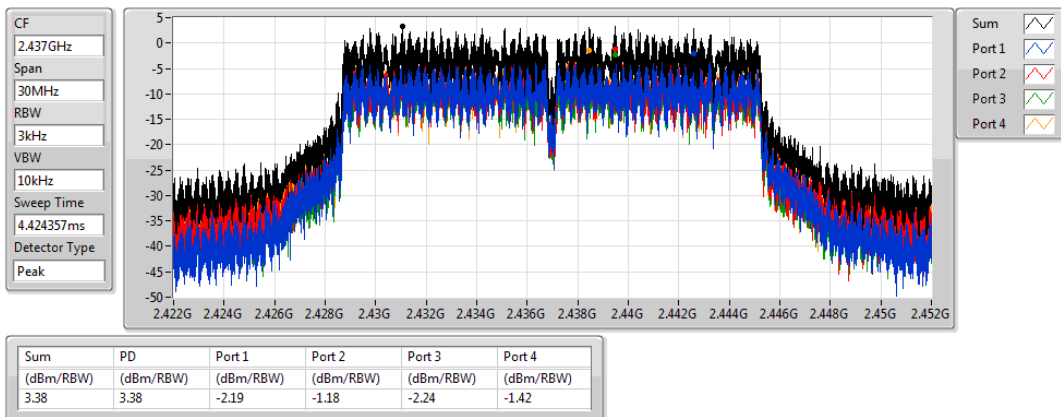


802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

13/01/2020

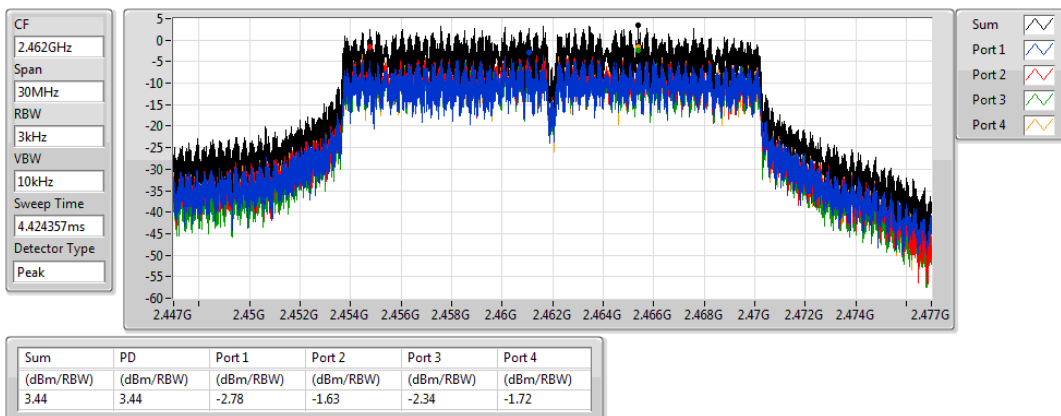


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

13/01/2020

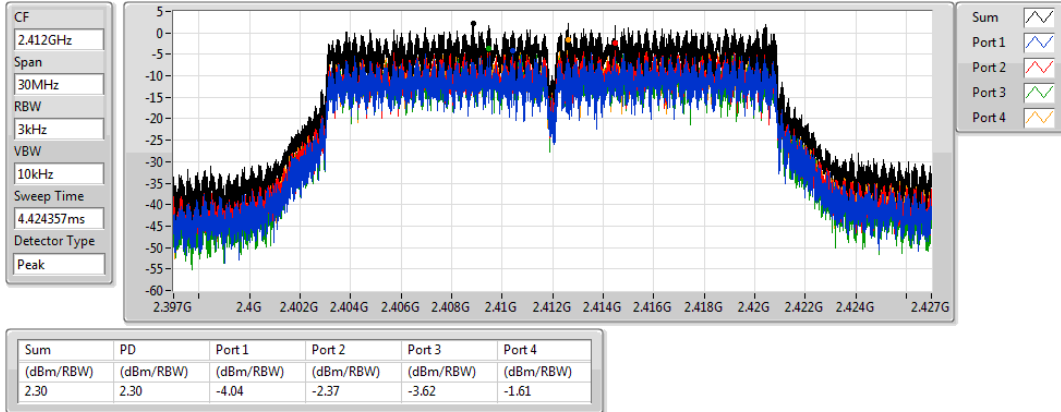


VHT20_Nss1,(MCS0)_4TX

PSD

2412MHz

13/01/2020

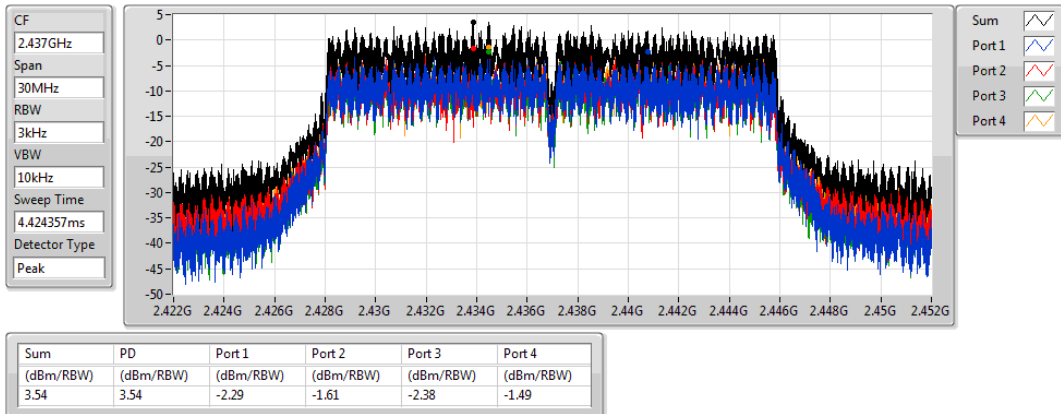


VHT20_Nss1,(MCS0)_4TX

PSD

2437MHz

13/01/2020

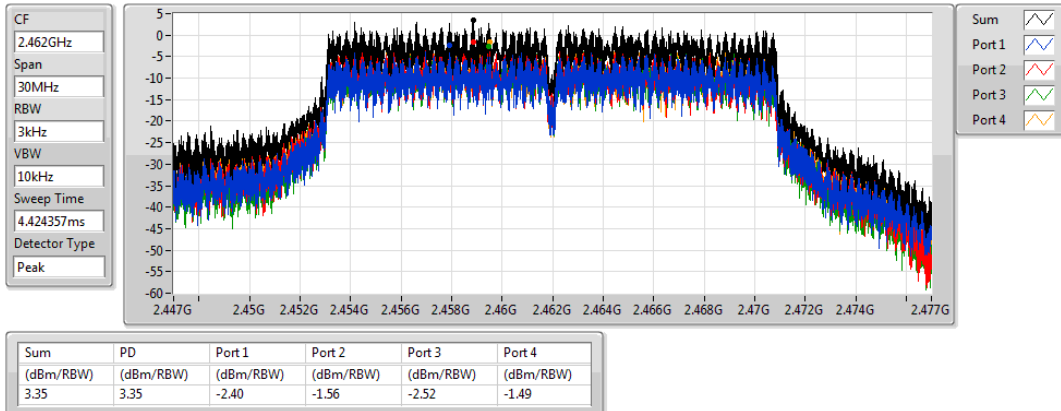


VHT20_Nss1,(MCS0)_4TX

PSD

2462MHz

13/01/2020

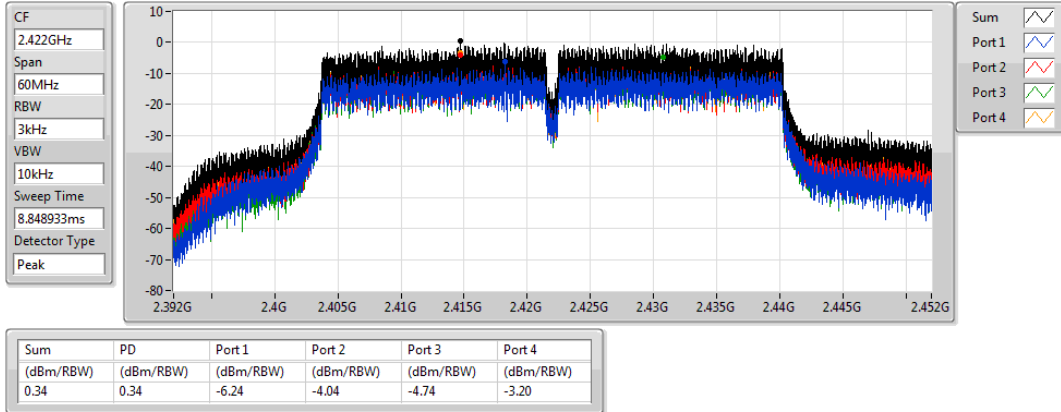


VHT40_Nss1,(MCS0)_4TX

PSD

2422MHz

13/01/2020

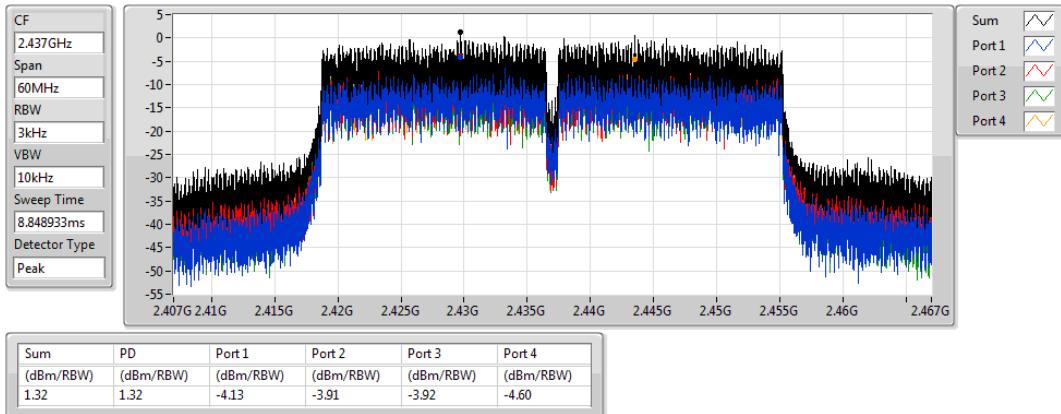


VHT40_Nss1,(MCS0)_4TX

PSD

2437MHz

13/01/2020

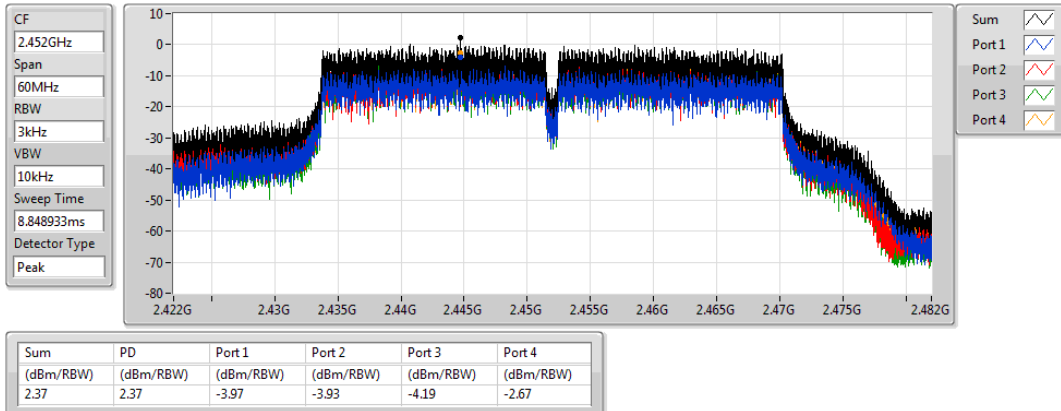


VHT40_Nss1,(MCS0)_4TX

PSD

2452MHz

13/01/2020

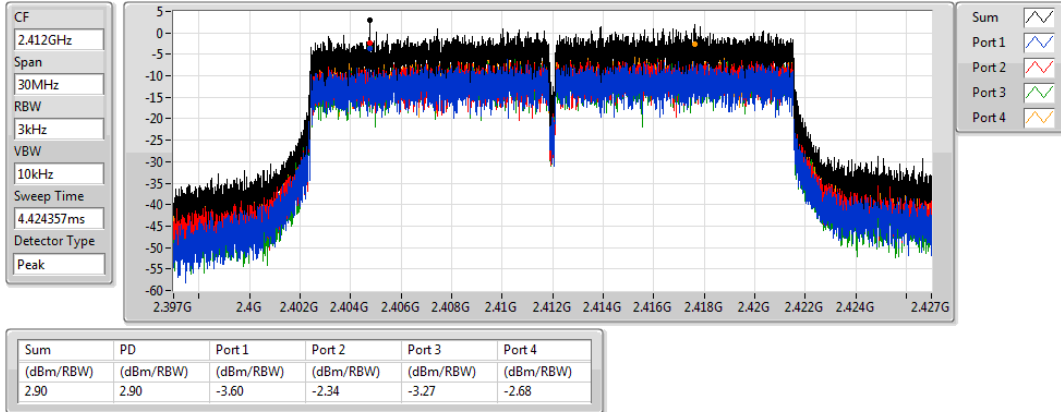


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

13/01/2020

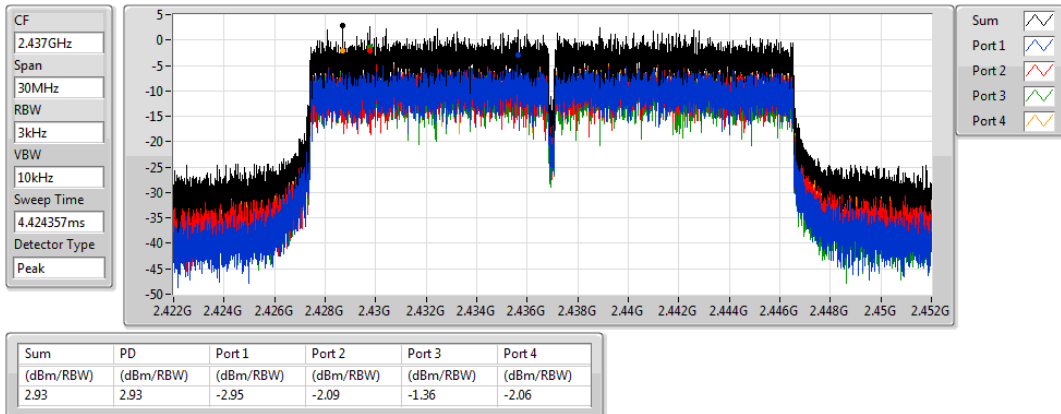


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

13/01/2020

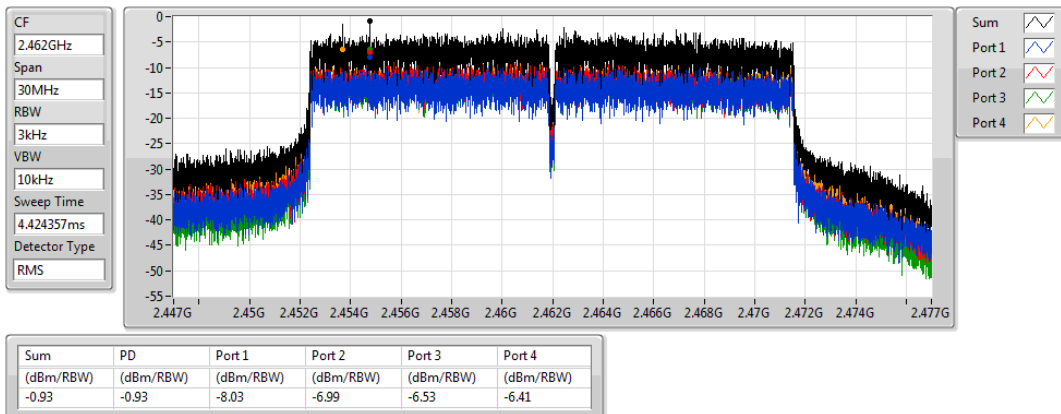


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

13/01/2020

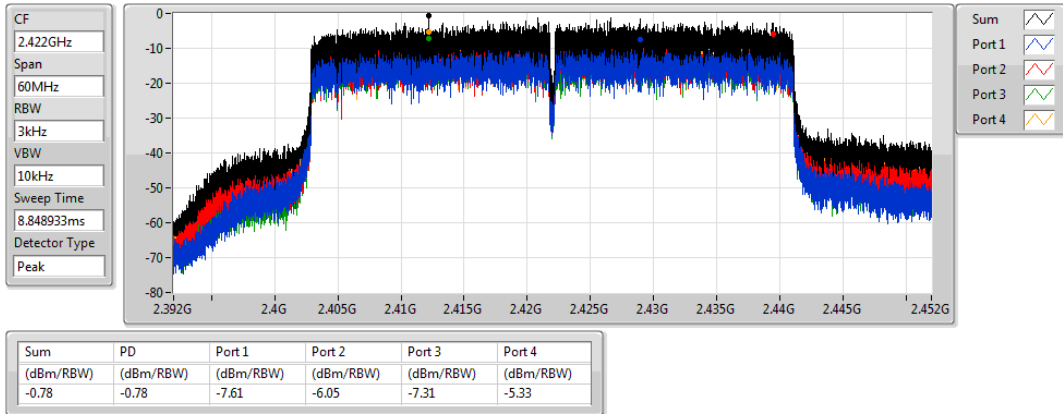


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

13/01/2020

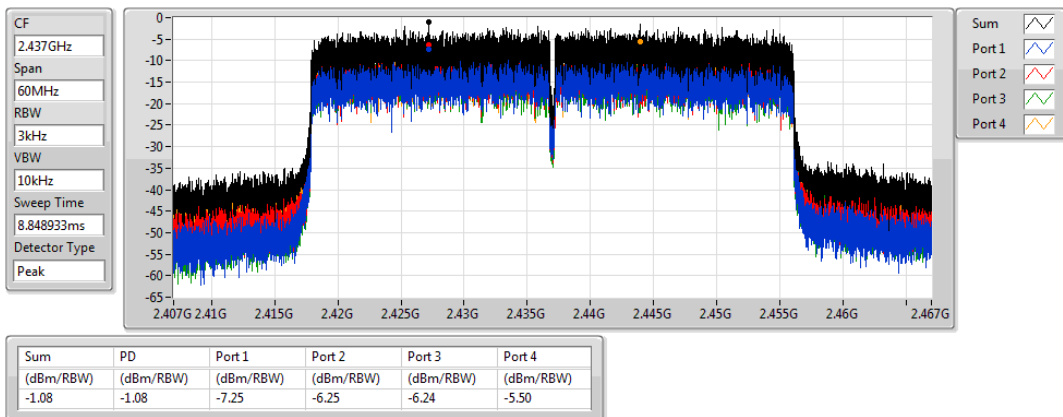


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

13/01/2020

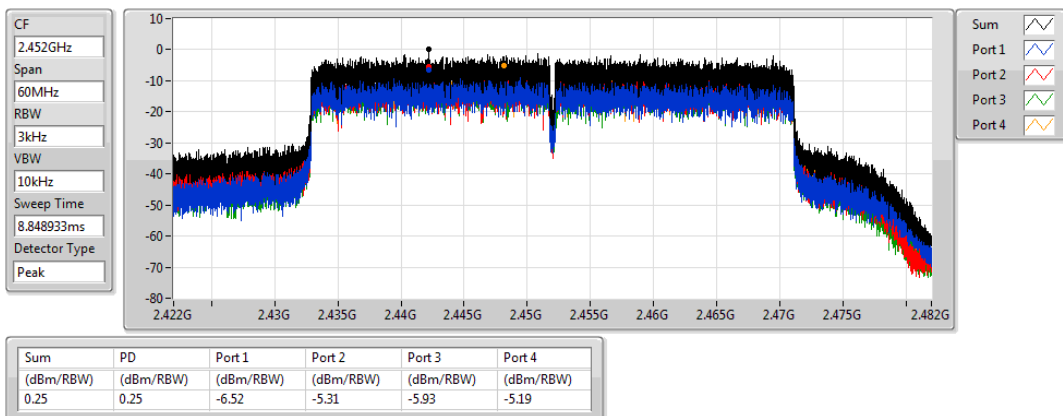


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

13/01/2020



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)_4TX	Pass	2.4615G	16.87	-13.13	952.97M	-54.83	2.39696G	-40.19	2.4G	-46.48	2.48646G	-52.98	24.55047G	-41.98	4
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44196G	13.94	-16.06	2.14448G	-55.17	2.39986G	-16.19	2.4G	-17.80	2.5203G	-53.44	23.58679G	-41.71	2
VHT20_Nss1,(MCS0)_4TX	Pass	2.44071G	13.19	-16.81	1.65954G	-54.80	2.39852G	-17.85	2.4G	-18.35	2.50254G	-53.36	23.26931G	-42.48	2
VHT40_Nss1,(MCS0)_4TX	Pass	2.44075G	10.28	-19.72	31.15M	-50.83	2.39944G	-20.25	2.4G	-26.07	2.48418G	-50.81	15.21488G	-41.40	2
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.45699G	13.44	-16.56	1.98691G	-54.96	2.3997G	-17.44	2.4G	-21.80	2.50002G	-53.07	23.30583G	-41.40	2
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.44697G	9.83	-20.17	39.73M	-51.04	2.4G	-22.16	2.4G	-21.24	2.53566G	-53.08	17.45292G	-42.11	4

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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4615G	16.87	-13.13	2.16894G	-54.89	2.39894G	-45.59	2.4G	-49.09	2.51264G	-53.10	15.23115G	-42.57	1
2412MHz	Pass	2.4615G	16.87	-13.13	795.11M	-54.63	2.39898G	-41.73	2.4G	-48.62	2.50702G	-52.38	14.91648G	-42.02	2
2412MHz	Pass	2.4615G	16.87	-13.13	2.12467G	-55.04	2.39898G	-45.66	2.4G	-49.28	2.5156G	-52.78	23.2384G	-41.71	3
2412MHz	Pass	2.4615G	16.87	-13.13	952.97M	-54.83	2.39696G	-40.19	2.4G	-46.48	2.48646G	-52.98	24.55047G	-41.98	4
2437MHz	Pass	2.4615G	16.87	-13.13	2.04982G	-55.44	2.39958G	-51.01	2.4G	-52.37	2.48614G	-52.78	23.42384G	-42.52	1
2437MHz	Pass	2.4615G	16.87	-13.13	2.1538G	-54.93	2.39978G	-49.69	2.4G	-52.25	2.5105G	-53.25	15.22553G	-41.84	2
2437MHz	Pass	2.4615G	16.87	-13.13	1.78653G	-54.95	2.3978G	-51.42	2.4G	-53.85	2.48626G	-53.03	17.61366G	-41.71	3
2437MHz	Pass	2.4615G	16.87	-13.13	912.2M	-55.03	2.39968G	-50.15	2.4G	-53.13	2.4981G	-52.54	23.39574G	-41.15	4
2462MHz	Pass	2.4615G	16.87	-13.13	1.95982G	-54.44	2.3993G	-51.76	2.4G	-54.80	2.49838G	-52.63	23.28617G	-41.94	1
2462MHz	Pass	2.4615G	16.87	-13.13	950.64M	-55.28	2.39944G	-51.39	2.4G	-52.19	2.501G	-52.17	24.19085G	-41.85	2
2462MHz	Pass	2.4615G	16.87	-13.13	2.00002G	-55.50	2.39638G	-51.70	2.4G	-52.24	2.49488G	-52.74	23.37888G	-41.88	3
2462MHz	Pass	2.4615G	16.87	-13.13	2.13661G	-55.04	2.39726G	-51.36	2.4G	-54.74	2.49296G	-53.02	24.01103G	-42.61	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	13.94	-16.06	2.02011G	-55.01	2.39822G	-19.89	2.4G	-22.59	2.51028G	-52.65	17.4479G	-41.72	1
2412MHz	Pass	2.44196G	13.94	-16.06	2.14448G	-55.17	2.39986G	-16.19	2.4G	-17.80	2.5203G	-53.44	23.58679G	-41.71	2
2412MHz	Pass	2.44196G	13.94	-16.06	1.98749G	-54.76	2.3995G	-19.50	2.4G	-22.93	2.50726G	-52.84	16.23136G	-41.71	3
2412MHz	Pass	2.44196G	13.94	-16.06	1.96681G	-54.74	2.3996G	-17.09	2.4G	-20.94	2.52078G	-52.76	23.28055G	-42.35	4
2437MHz	Pass	2.44196G	13.94	-16.06	752.88M	-55.04	2.39996G	-41.40	2.4G	-42.34	2.49872G	-53.09	15.2761G	-42.05	1
2437MHz	Pass	2.44196G	13.94	-16.06	2.12351G	-55.10	2.39918G	-38.59	2.4G	-40.71	2.48942G	-53.06	24.62071G	-41.29	2
2437MHz	Pass	2.44196G	13.94	-16.06	864.14M	-55.53	2.39896G	-41.60	2.4G	-42.23	2.4884G	-53.30	16.22855G	-41.73	3
2437MHz	Pass	2.44196G	13.94	-16.06	2.02827G	-54.58	2.39758G	-38.18	2.4G	-39.58	2.497G	-52.62	23.21874G	-41.63	4
2462MHz	Pass	2.44196G	13.94	-16.06	2.11273G	-54.38	2.39992G	-49.98	2.4835G	-52.17	2.48356G	-47.85	23.53903G	-42.13	1
2462MHz	Pass	2.44196G	13.94	-16.06	1.83284G	-54.95	2.3986G	-48.47	2.4835G	-47.54	2.4839G	-45.25	23.22155G	-41.30	2
2462MHz	Pass	2.44196G	13.94	-16.06	2.1037G	-54.70	2.39902G	-49.87	2.4835G	-48.06	2.48386G	-46.88	23.22717G	-41.53	3
2462MHz	Pass	2.44196G	13.94	-16.06	867.34M	-55.23	2.39886G	-46.69	2.4835G	-44.05	2.48356G	-41.53	23.31988G	-41.96	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44071G	13.19	-16.81	819.29M	-54.80	2.39974G	-21.03	2.4G	-22.56	2.48374G	-52.95	24.95224G	-42.22	1
2412MHz	Pass	2.44071G	13.19	-16.81	1.65954G	-54.80	2.39852G	-17.85	2.4G	-18.35	2.50254G	-53.36	23.26931G	-42.48	2
2412MHz	Pass	2.44071G	13.19	-16.81	1.9805G	-55.43	2.39978G	-21.11	2.4G	-22.37	2.4975G	-52.90	21.69595G	-41.97	3
2412MHz	Pass	2.44071G	13.19	-16.81	1.99827G	-54.85	2.39884G	-18.16	2.4G	-20.62	2.5047G	-53.47	15.26487G	-41.90	4
2437MHz	Pass	2.44071G	13.19	-16.81	883.95M	-55.17	2.39976G	-40.29	2.4G	-43.65	2.5122G	-52.13	15.17215G	-41.46	1
2437MHz	Pass	2.44071G	13.19	-16.81	2.12846G	-55.60	2.3985G	-37.60	2.4G	-42.03	2.51776G	-53.50	23.20188G	-41.99	2
2437MHz	Pass	2.44071G	13.19	-16.81	2.10778G	-55.79	2.39816G	-41.01	2.4G	-42.54	2.49974G	-51.69	15.17215G	-41.56	3
2437MHz	Pass	2.44071G	13.19	-16.81	2.06234G	-55.14	2.39982G	-36.54	2.4G	-38.86	2.49812G	-52.72	23.27212G	-40.99	4
2462MHz	Pass	2.44071G	13.19	-16.81	2.0571G	-54.89	2.39792G	-49.22	2.4835G	-47.37	2.48384G	-45.64	15.14405G	-41.64	1
2462MHz	Pass	2.44071G	13.19	-16.81	951.22M	-55.79	2.396G	-48.48	2.4835G	-43.41	2.48386G	-40.01	24.95505G	-42.26	2
2462MHz	Pass	2.44071G	13.19	-16.81	1.96565G	-55.38	2.39954G	-50.54	2.4835G	-47.75	2.48384G	-44.49	21.79991G	-41.99	3
2462MHz	Pass	2.44071G	13.19	-16.81	1.91963G	-54.67	2.39958G	-47.56	2.4835G	-42.60	2.48384G	-40.33	16.22012G	-41.87	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44071G	13.19	-16.81	30M	-51.11	2.39792G	-23.72	2.4G	-23.53	2.4991G	-52.18	21.86169G	-41.85	1
2422MHz	Pass	2.44071G	13.19	-16.81	30M	-52.74	2.39848G	-20.80	2.4G	-22.86	2.4977G	-53.42	15.23451G	-42.01	2
2422MHz	Pass	2.44071G	13.19	-16.81	30M	-51.65	2.39908G	-23.80	2.4G	-23.74	2.55006G	-53.03	23.29483G	-41.51	3
2422MHz	Pass	2.44071G	13.19	-16.81	30M	-51.48	2.39852G	-18.20	2.4G	-19.15	2.53122G	-53.26	23.17143G	-42.71	4
2437MHz	Pass	2.44075G	10.28	-19.72	39.73M	-51.34	2.39944G	-22.92	2.4G	-28.90	2.48438G	-51.89	24.29605G	-41.90	1
2437MHz	Pass	2.44075G	10.28	-19.72	31.15M	-50.83	2.39944G	-20.25	2.4G	-26.07	2.48418G	-50.81	15.21488G	-41.40	2
2437MHz	Pass	2.44075G	10.28	-19.72	30.57M	-50.95	2.39948G	-24.05	2.4G	-30.11	2.48354G	-51.78	23.29202G	-41.03	3
2437MHz	Pass	2.44075G	10.28	-19.72	31.72M	-50.98	2.3994G	-20.53	2.4G	-21.64	2.48358G	-49.21	23.59211G	-41.25	4

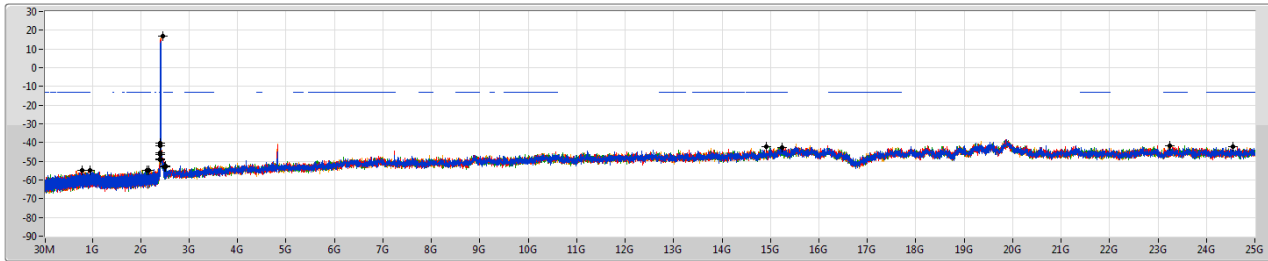
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2452MHz	Pass	2.44075G	10.28	-19.72	30.29M	-53.35	2.39944G	-35.55	2.4G	-38.87	2.48502G	-43.86	23.55285G	-41.56	1
2452MHz	Pass	2.44075G	10.28	-19.72	30.57M	-52.46	2.39448G	-32.60	2.4G	-34.60	2.48442G	-41.43	23.20508G	-40.79	2
2452MHz	Pass	2.44075G	10.28	-19.72	34.58M	-51.98	2.39952G	-34.84	2.4G	-37.12	2.48502G	-43.77	23.56687G	-42.45	3
2452MHz	Pass	2.44075G	10.28	-19.72	30.29M	-49.80	2.39948G	-29.72	2.4G	-33.83	2.48442G	-36.82	15.26256G	-41.45	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.45699G	13.44	-16.56	1.8241G	-54.98	2.39968G	-20.71	2.4G	-23.63	2.50222G	-52.66	23.32831G	-42.37	1
2412MHz	Pass	2.45699G	13.44	-16.56	1.98691G	-54.96	2.3997G	-17.44	2.4G	-21.80	2.50002G	-53.07	23.30583G	-41.40	2
2412MHz	Pass	2.45699G	13.44	-16.56	2.09671G	-55.02	2.3997G	-20.37	2.4G	-24.19	2.49896G	-52.67	21.69034G	-42.18	3
2412MHz	Pass	2.45699G	13.44	-16.56	2.15438G	-55.28	2.3997G	-17.94	2.4G	-21.45	2.4841G	-52.93	15.17777G	-41.65	4
2437MHz	Pass	2.45699G	13.44	-16.56	2.15758G	-54.90	2.39982G	-42.85	2.4G	-43.49	2.50688G	-52.90	23.37607G	-41.44	1
2437MHz	Pass	2.45699G	13.44	-16.56	2.30525G	-54.68	2.39982G	-38.95	2.4G	-40.98	2.48384G	-52.78	23.36483G	-41.26	2
2437MHz	Pass	2.45699G	13.44	-16.56	756.09M	-55.21	2.39984G	-42.35	2.4G	-43.87	2.5172G	-52.80	23.57836G	-42.31	3
2437MHz	Pass	2.45699G	13.44	-16.56	886.86M	-55.33	2.39958G	-37.10	2.4G	-41.39	2.50316G	-52.90	16.22574G	-41.19	4
2462MHz	Pass	2.45699G	13.44	-16.56	1.96448G	-55.02	2.39998G	-50.55	2.4835G	-46.40	2.48436G	-46.30	24.62633G	-42.02	1
2462MHz	Pass	2.45699G	13.44	-16.56	2.17768G	-54.74	2.39838G	-47.27	2.4835G	-43.58	2.48448G	-43.70	15.25925G	-41.71	2
2462MHz	Pass	2.45699G	13.44	-16.56	1.97293G	-54.29	2.3995G	-49.91	2.4835G	-46.30	2.48378G	-46.53	23.32831G	-42.02	3
2462MHz	Pass	2.45699G	13.44	-16.56	1.95516G	-55.26	2.4G	-45.98	2.4835G	-44.83	2.48532G	-41.72	23.29741G	-41.30	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44697G	9.83	-20.17	32.29M	-53.66	2.39944G	-28.01	2.4G	-29.32	2.5283G	-53.68	23.34811G	-41.02	1
2422MHz	Pass	2.44697G	9.83	-20.17	31.43M	-52.58	2.39732G	-27.66	2.4G	-25.47	2.54002G	-52.62	24.98317G	-42.10	2
2422MHz	Pass	2.44697G	9.83	-20.17	32.86M	-52.57	2.39724G	-31.86	2.4G	-31.61	2.50294G	-52.40	24.34373G	-41.84	3
2422MHz	Pass	2.44697G	9.83	-20.17	39.73M	-51.04	2.4G	-22.16	2.4G	-21.24	2.53566G	-53.08	17.45292G	-42.11	4
2437MHz	Pass	2.44697G	9.83	-20.17	40.02M	-52.91	2.39976G	-27.95	2.4G	-34.50	2.55834G	-53.14	23.29763G	-41.56	1
2437MHz	Pass	2.44697G	9.83	-20.17	30M	-49.18	2.39976G	-25.53	2.4G	-30.47	2.4849G	-52.85	24.98317G	-42.22	2
2437MHz	Pass	2.44697G	9.83	-20.17	31.43M	-52.52	2.3998G	-30.23	2.4G	-35.27	2.53598G	-52.99	23.35372G	-41.27	3
2437MHz	Pass	2.44697G	9.83	-20.17	39.73M	-50.62	2.39976G	-21.39	2.4G	-26.81	2.48466G	-52.75	23.59491G	-41.36	4
2452MHz	Pass	2.44697G	9.83	-20.17	30.29M	-51.99	2.3994G	-40.15	2.4G	-41.15	2.48606G	-47.02	24.52322G	-41.31	1
2452MHz	Pass	2.44697G	9.83	-20.17	30M	-51.56	2.39868G	-36.76	2.4G	-38.87	2.48846G	-45.18	24.98878G	-42.22	2
2452MHz	Pass	2.44697G	9.83	-20.17	30.86M	-51.12	2.39672G	-38.65	2.4G	-40.97	2.48418G	-47.15	24.383G	-42.67	3
2452MHz	Pass	2.44697G	9.83	-20.17	30M	-51.66	2.39968G	-34.56	2.4G	-35.08	2.4861G	-40.96	17.63522G	-40.29	4

802.11b_Nss1,(1Mbps)_4TX

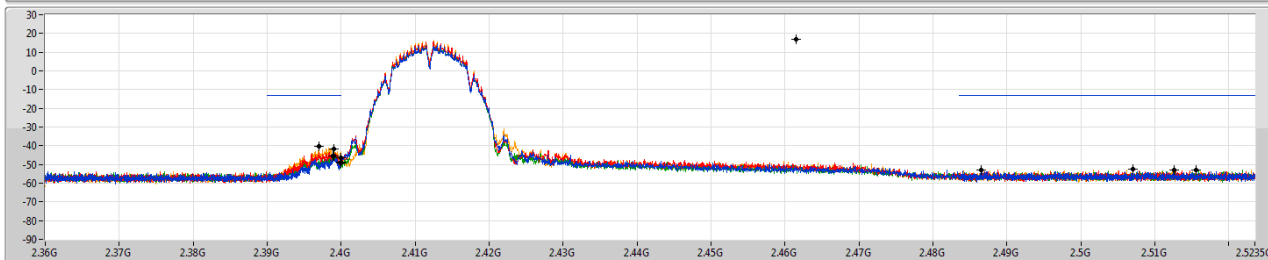
CSE NdB

2412MHz

13/01/2020



Port 1
Port 2
Port 3
Port 4



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

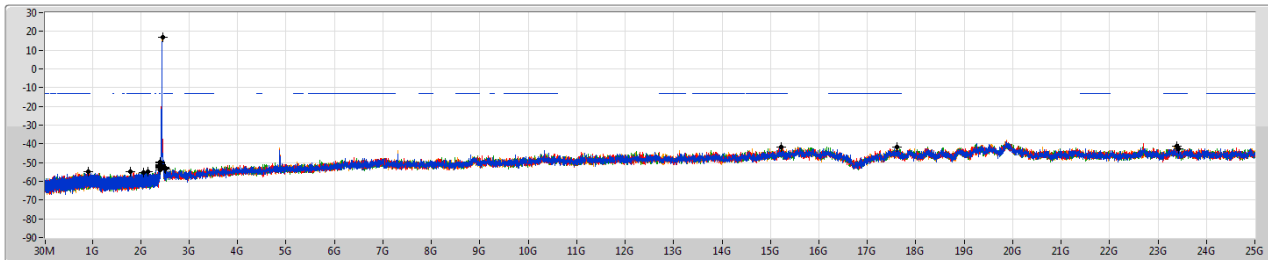
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4615G	16.87	-13.13	2.16894G	-54.89	2.39894G	-45.59	2.4G	-49.09	2.51264G	-53.10	15.23115G	-42.57	1
2.4615G	16.87	-13.13	795.11M	-54.63	2.39898G	-41.73	2.4G	-48.62	2.50702G	-52.38	14.91648G	-42.02	2
2.4615G	16.87	-13.13	2.12467G	-55.04	2.39898G	-45.66	2.4G	-49.28	2.5156G	-52.78	23.2384G	-41.71	3
2.4615G	16.87	-13.13	952.97M	-54.83	2.39696G	-40.19	2.4G	-46.48	2.48646G	-52.98	24.55047G	-41.98	4

802.11b_Nss1,(1Mbps)_4TX

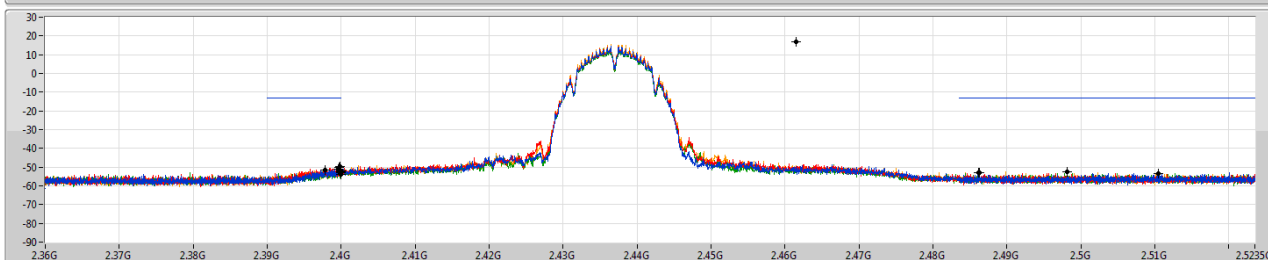
CSE NdB

2437MHz

13/01/2020



Port 1
Port 2
Port 3
Port 4



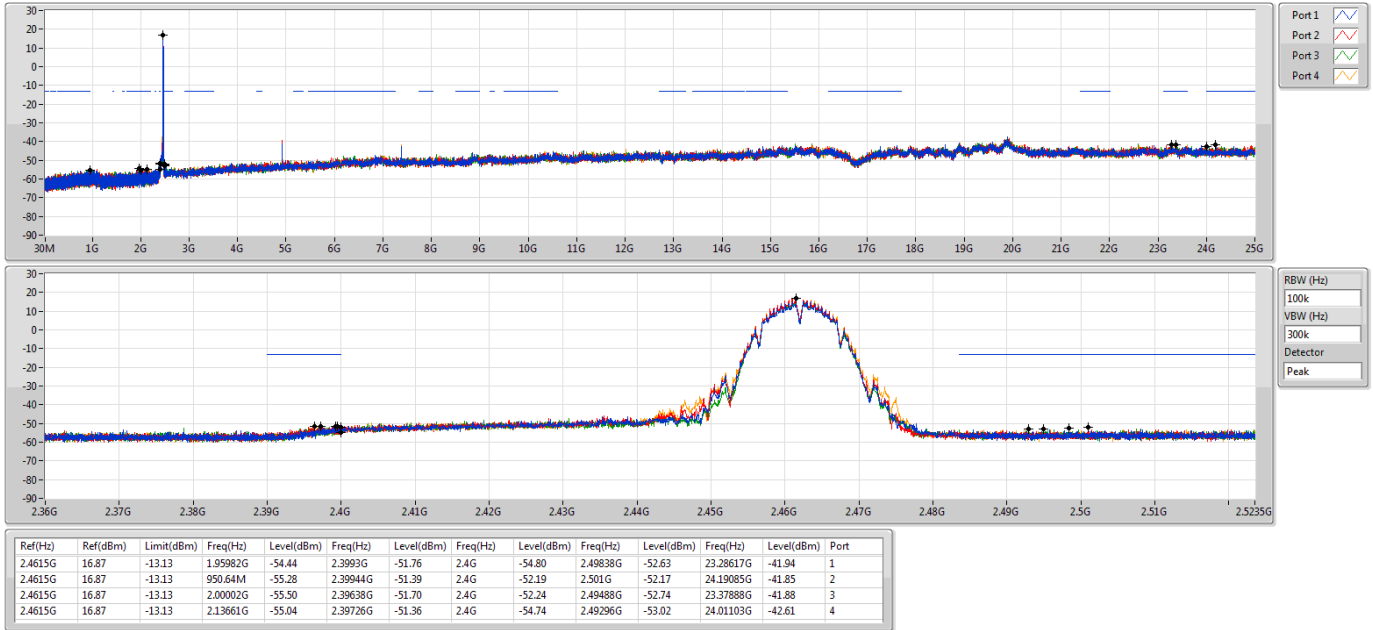
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.4615G	16.87	-13.13	2.04982G	-55.44	2.39958G	-51.01	2.4G	-52.37	2.48614G	-52.78	23.42384G	-42.52	1
2.4615G	16.87	-13.13	2.1538G	-54.93	2.39978G	-49.69	2.4G	-52.25	2.5105G	-53.25	15.22593G	-41.84	2
2.4615G	16.87	-13.13	1.78653G	-54.95	2.3978G	-51.42	2.4G	-53.85	2.48626G	-53.03	17.61366G	-41.71	3
2.4615G	16.87	-13.13	912.2M	-55.03	2.39968G	-50.15	2.4G	-53.13	2.4981G	-52.54	23.39574G	-41.15	4

802.11b_Nss1,(1Mbps)_4TX

CSE NdB

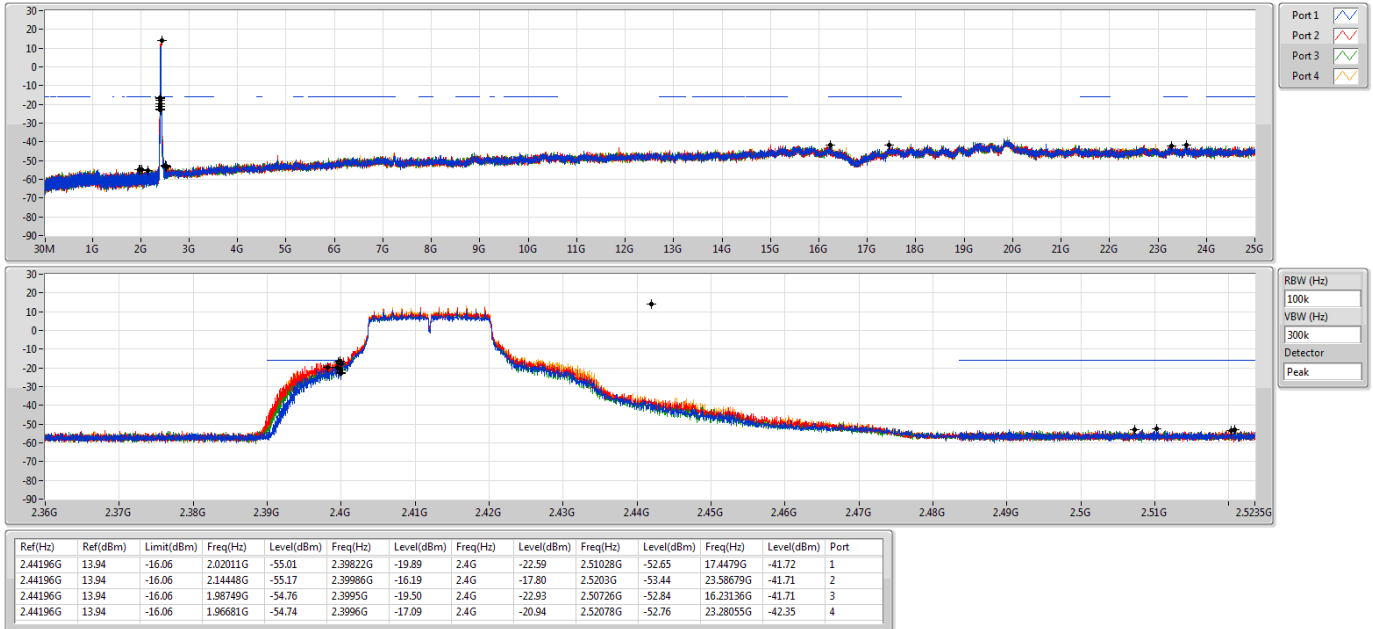
2462MHz



802.11g_Nss1,(6Mbps)_4TX

CSE NdB

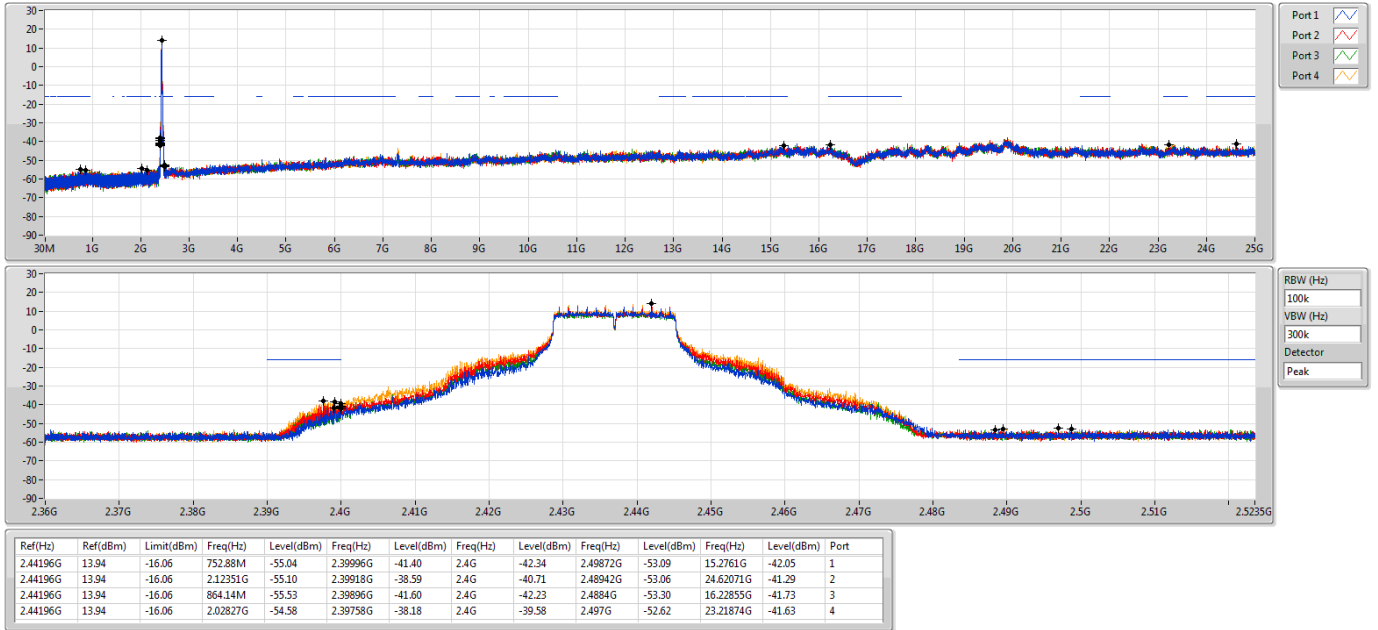
2412MHz



802.11g_Nss1,(6Mbps)_4TX

CSE NdB

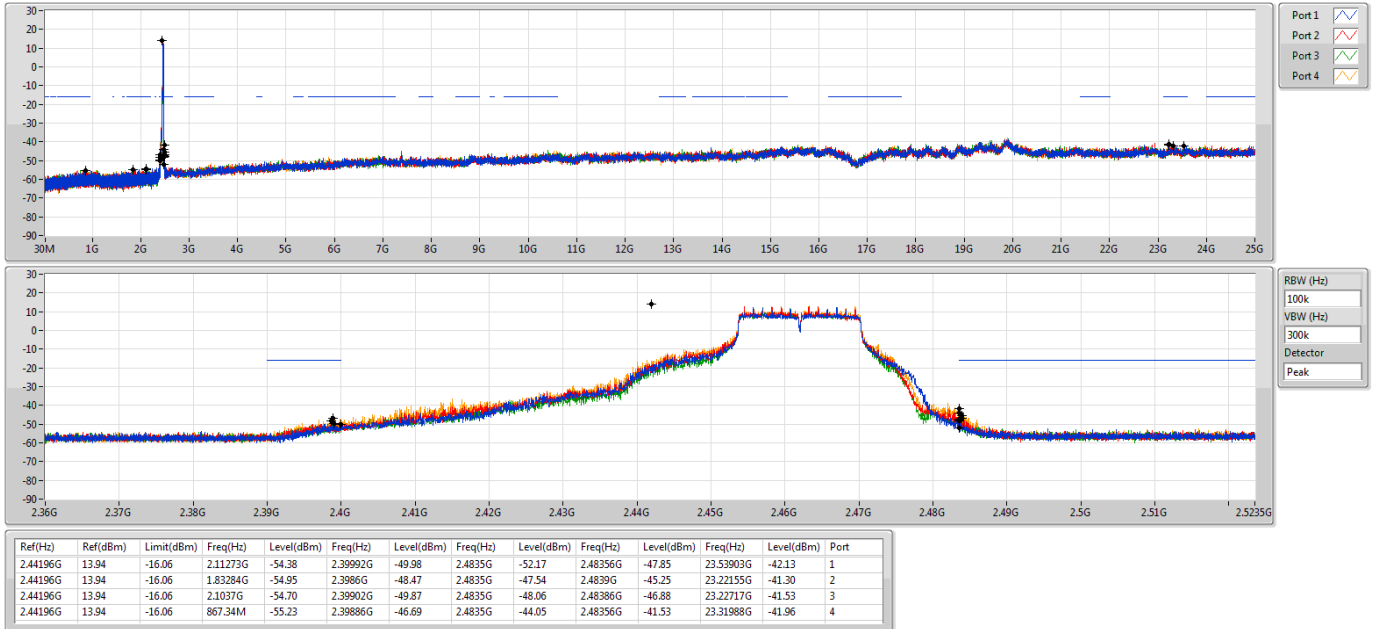
2437MHz



802.11g_Nss1,(6Mbps)_4TX

CSE NdB

2462MHz

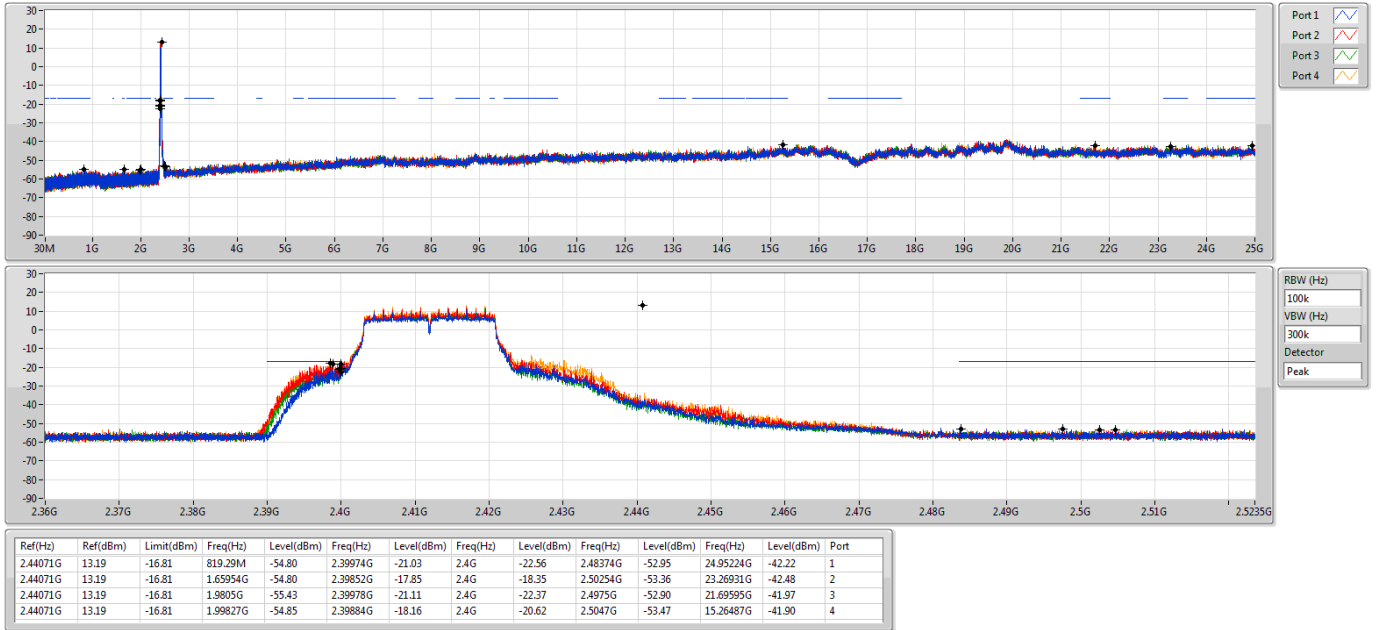


VHT20_Nss1,(MCS0)_4TX

2412MHz

CSE NdB

13/01/2020

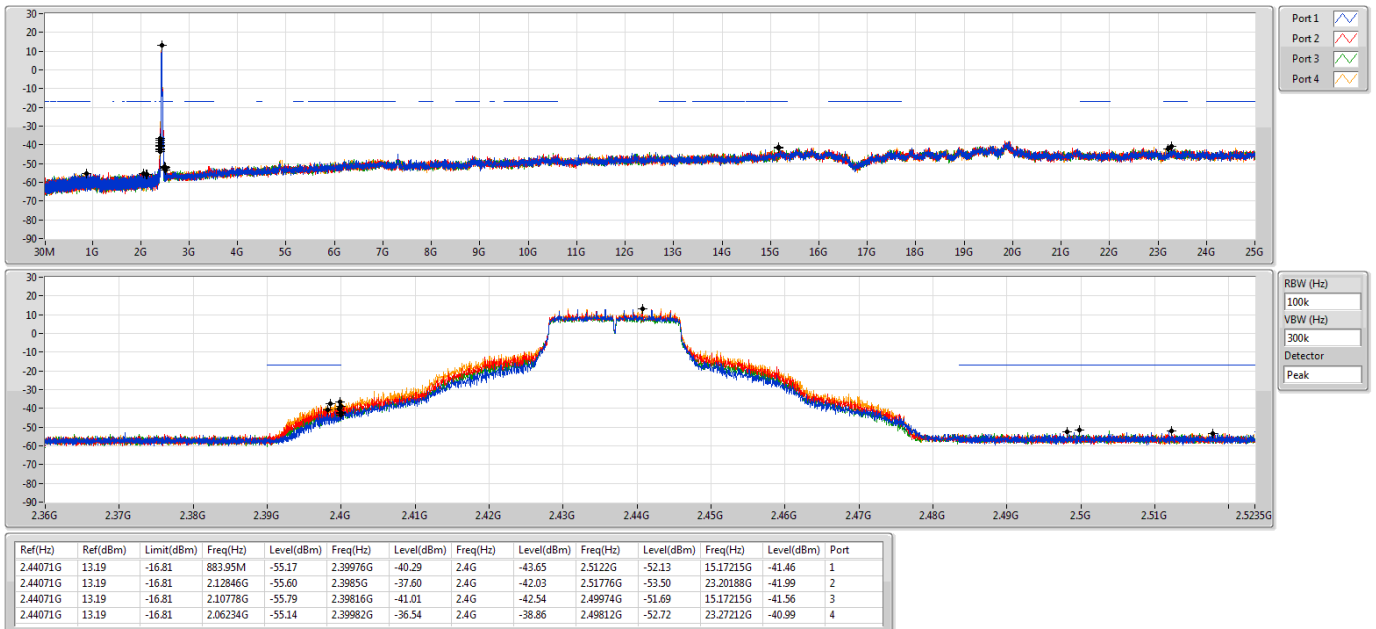


VHT20_Nss1,(MCS0)_4TX

2437MHz

CSE NdB

13/01/2020

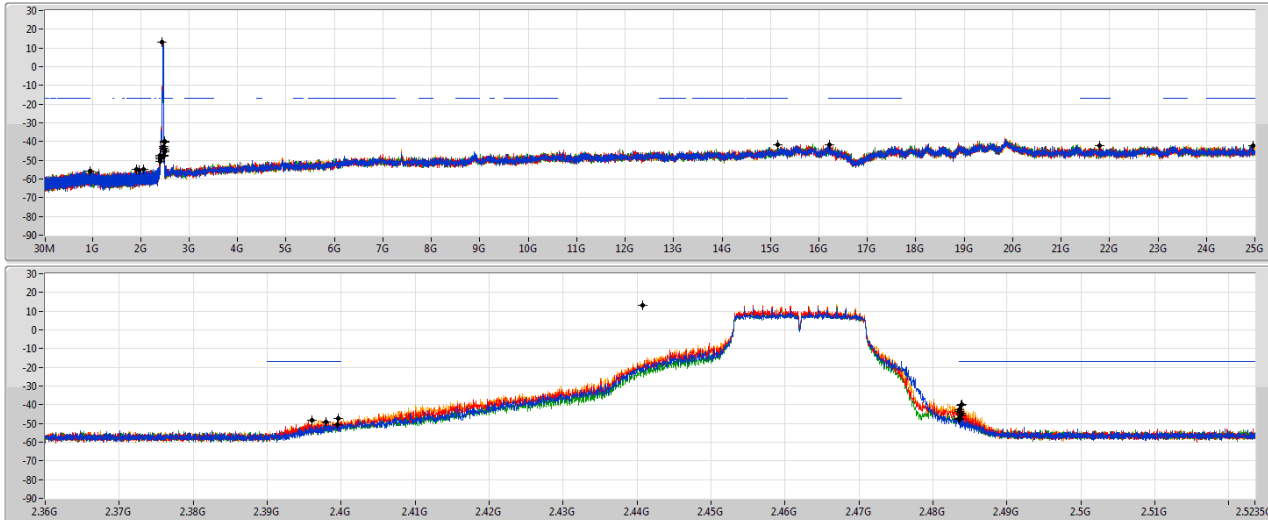


VHT20_Nss1,(MCS0)_4TX

2462MHz

CSE NdB

13/01/2020



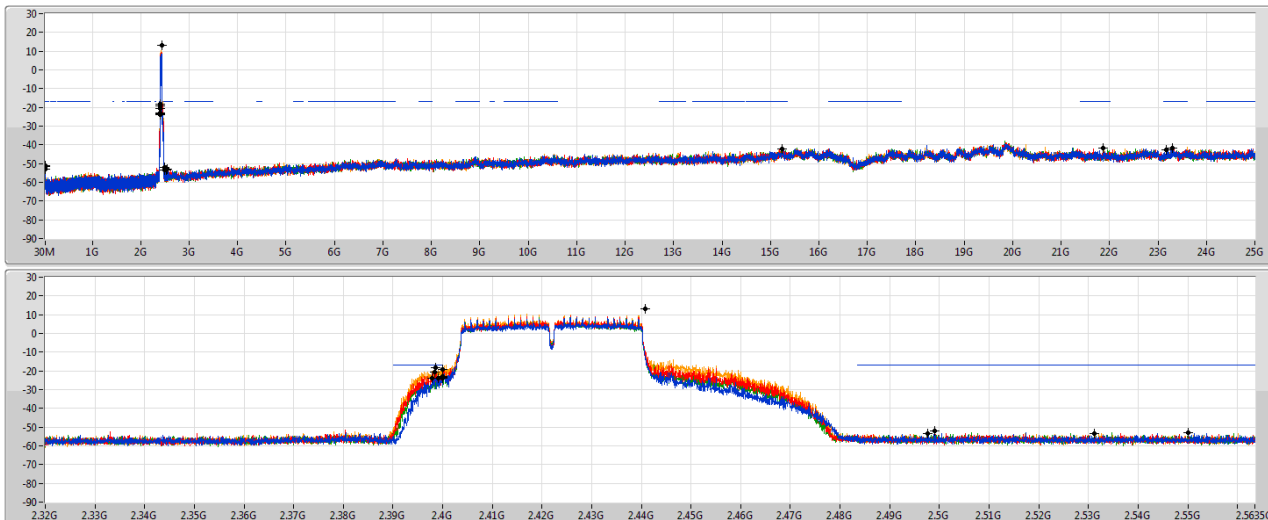
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44071G	13.19	-16.81	2.0571G	-54.89	2.39792G	-49.22	2.4835G	-47.37	2.48384G	-45.64	15.14405G	-41.64	1
2.44071G	13.19	-16.81	951.22M	-55.79	2.396G	-48.48	2.4835G	-43.41	2.48386G	-40.01	24.95505G	-42.26	2
2.44071G	13.19	-16.81	1.96565G	-55.38	2.39954G	-50.54	2.4835G	-47.75	2.48384G	-44.49	21.79991G	-41.99	3
2.44071G	13.19	-16.81	1.91963G	-54.67	2.39958G	-47.56	2.4835G	-42.60	2.48384G	-40.33	16.22012G	-41.87	4

VHT40_Nss1,(MCS0)_4TX

2422MHz

CSE NdB

13/01/2020



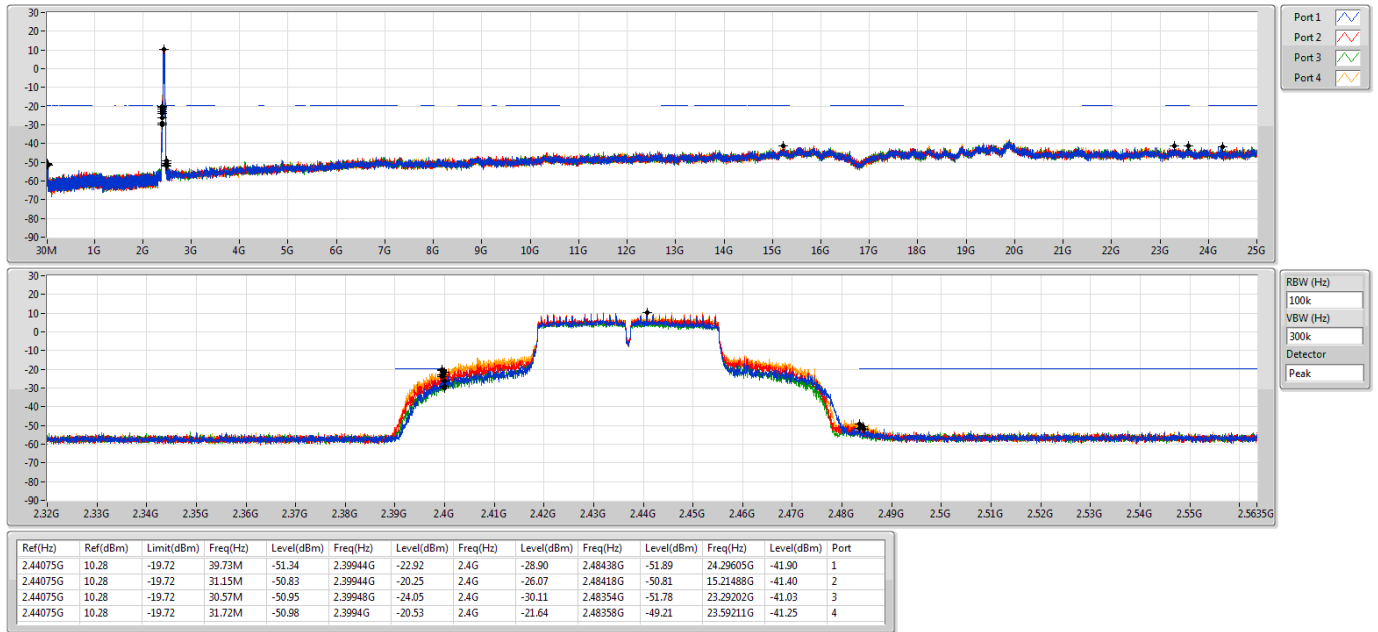
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44071G	13.19	-16.81	30M	-51.11	2.39792G	-23.72	2.4G	-23.53	2.4991G	-52.18	21.86169G	-41.85	1
2.44071G	13.19	-16.81	30M	-52.74	2.39848G	-20.80	2.4G	-22.86	2.4977G	-53.42	15.23451G	-42.01	2
2.44071G	13.19	-16.81	30M	-51.65	2.39908G	-23.80	2.4G	-23.74	2.55006G	-53.03	23.29483G	-41.51	3
2.44071G	13.19	-16.81	30M	-51.48	2.39852G	-18.20	2.4G	-19.15	2.53122G	-53.26	23.17143G	-42.71	4

VHT40_Nss1,(MCS0)_4TX

CSE NdB

2437MHz

13/01/2020

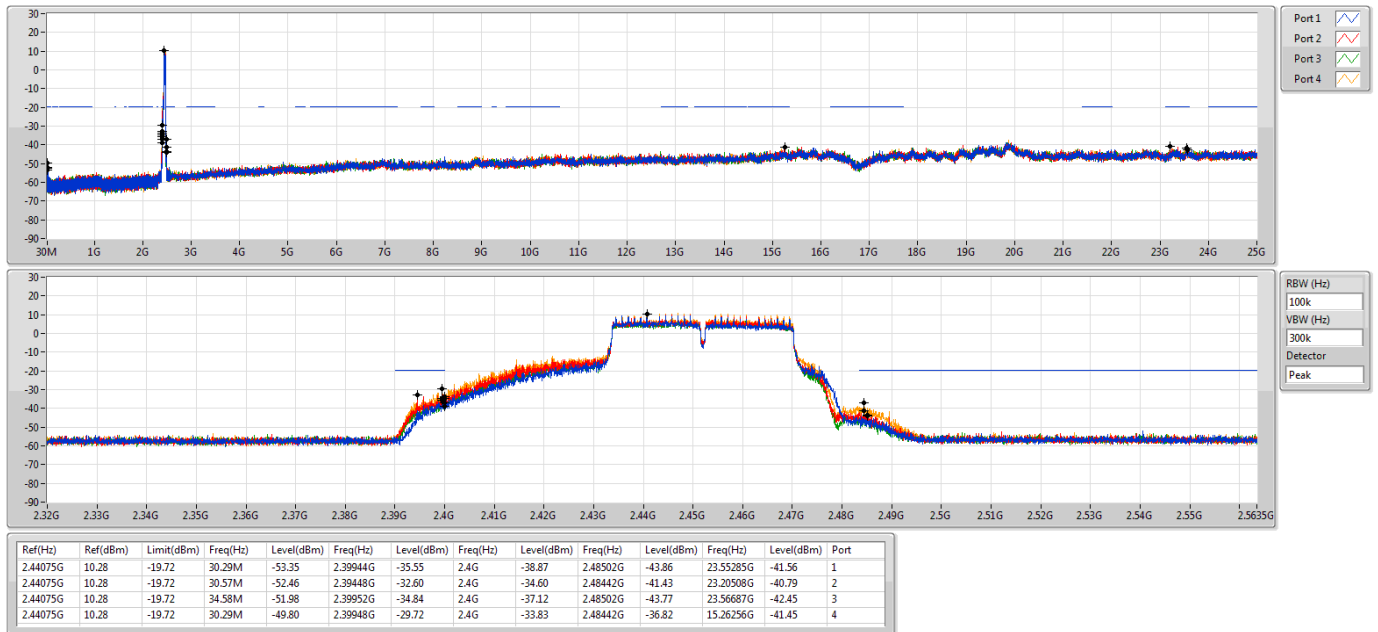


VHT40_Nss1,(MCS0)_4TX

CSE NdB

2452MHz

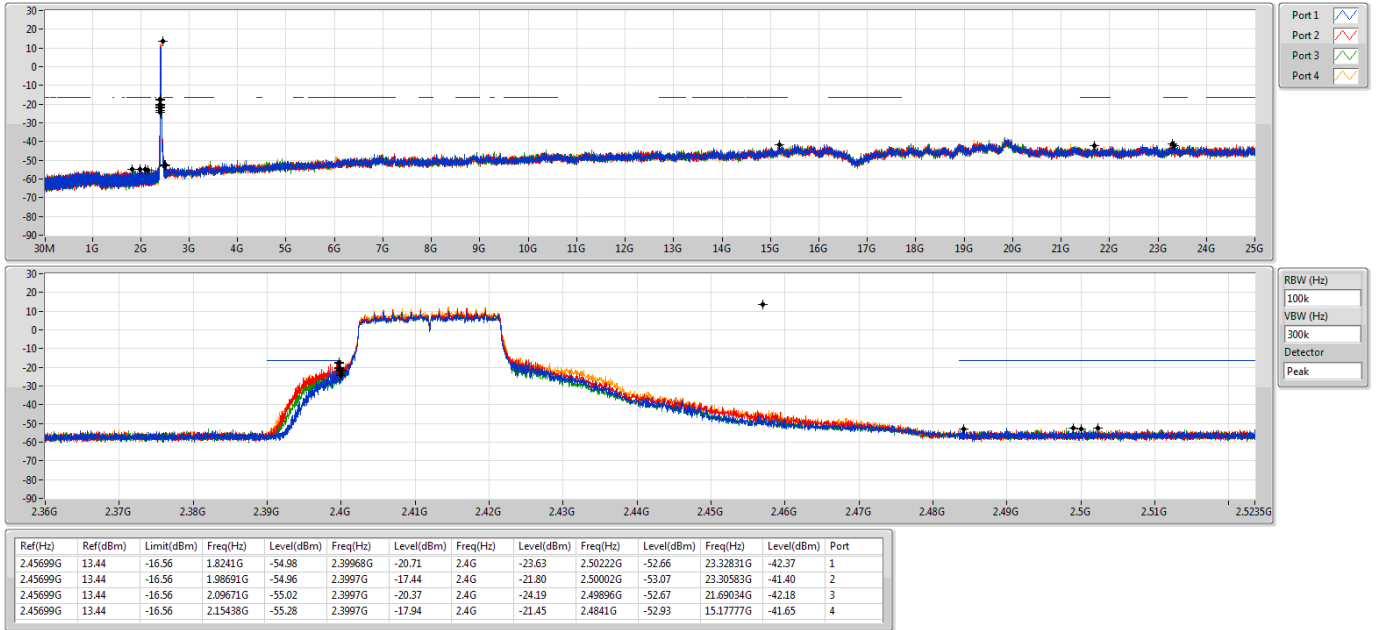
13/01/2020



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

2412MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

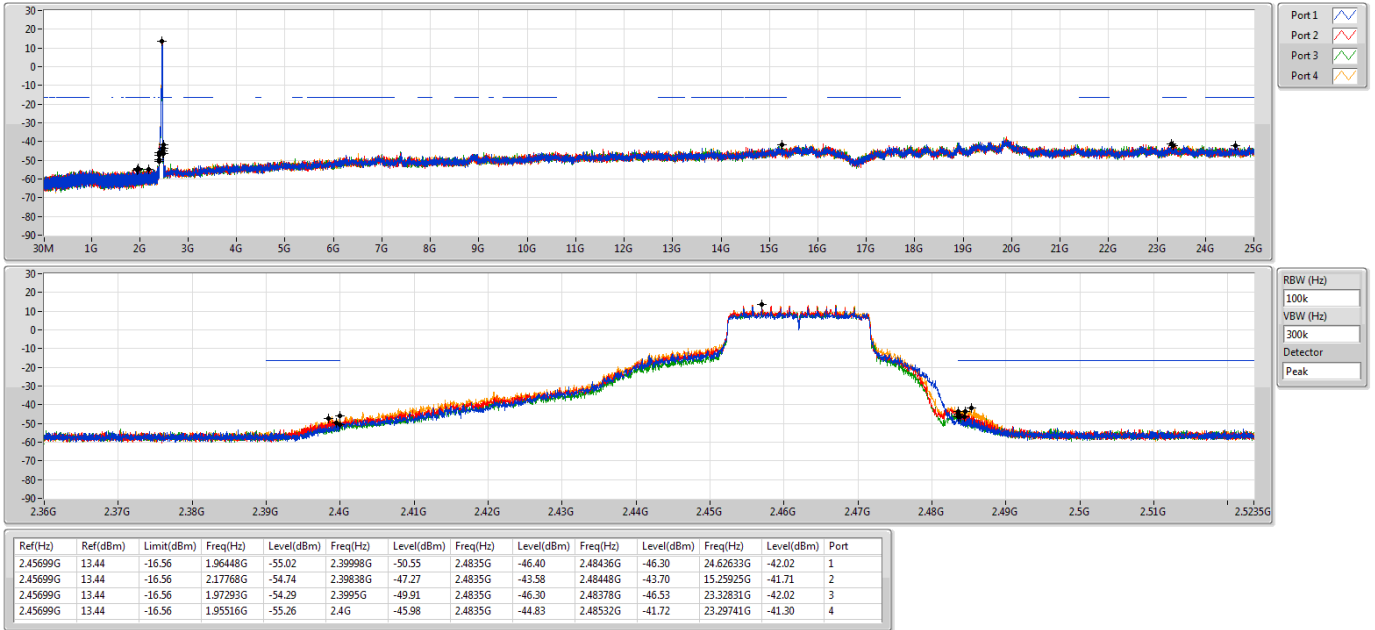
2437MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

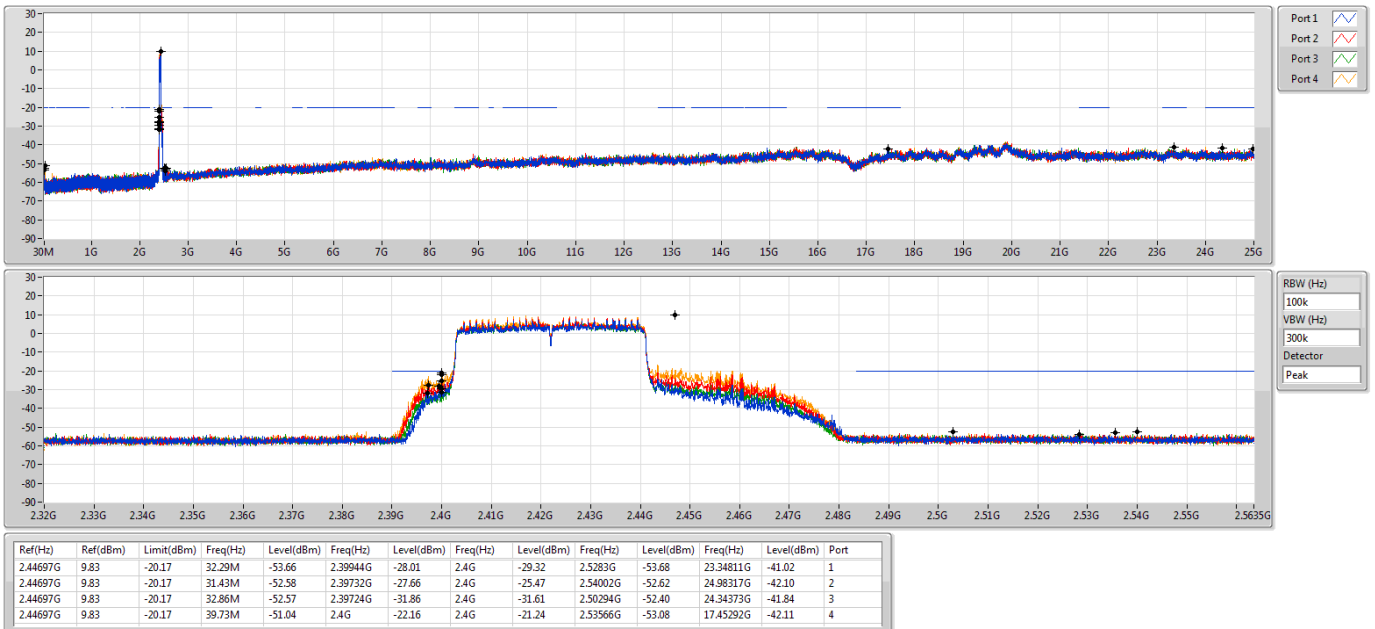
2462MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

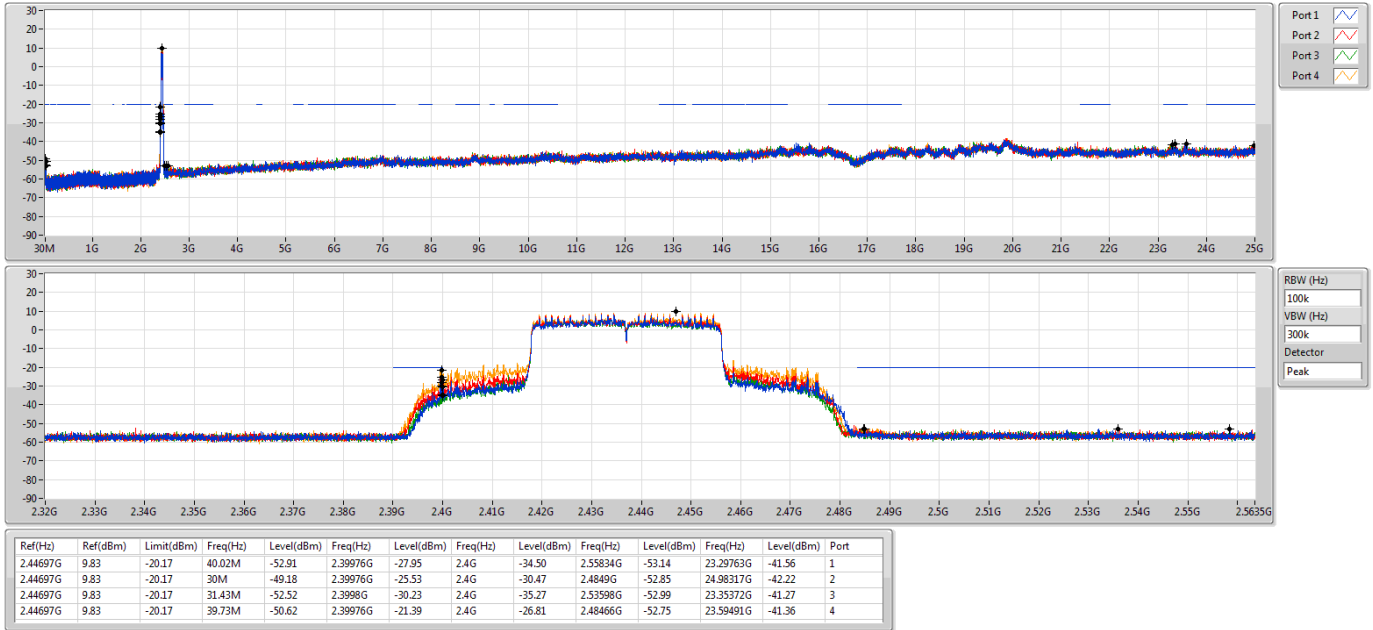
2422MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

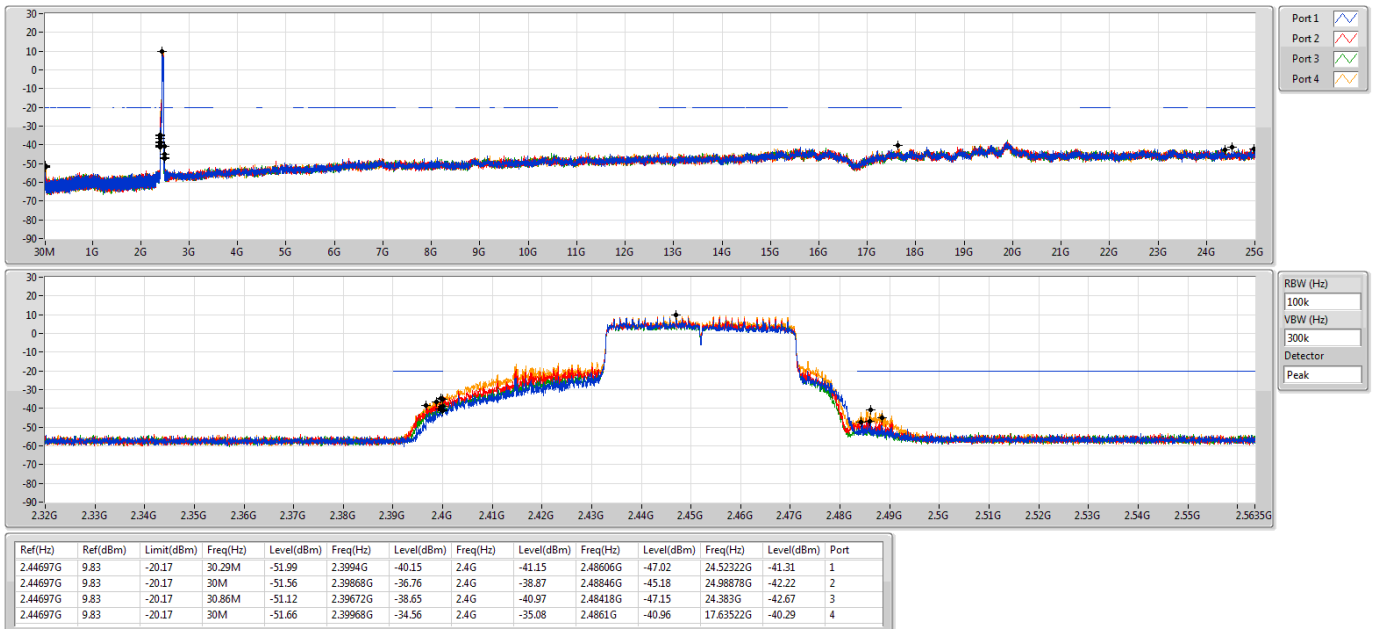
2437MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

2452MHz





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 HEW40_Nss1,(MCS0)_4TX	Pass	QP	30M	38.17	40.00	-1.83	3	Horizontal	51	1.00	-

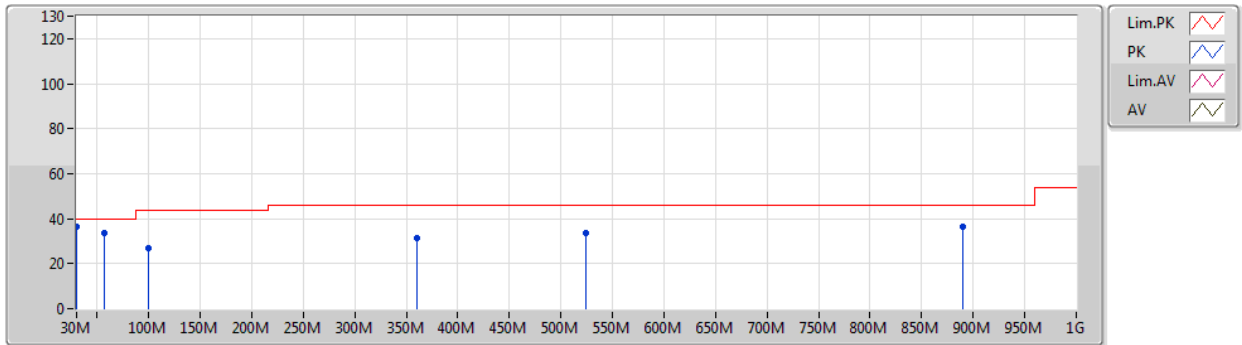
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	36.52	40.00	-3.48	3	Vertical	360	1.00	-
2437MHz	Pass	PK	57.16M	33.78	40.00	-6.22	3	Vertical	360	1.00	-
2437MHz	Pass	PK	99.84M	26.94	43.50	-16.56	3	Vertical	360	1.00	-
2437MHz	Pass	PK	359.8M	31.62	46.00	-14.38	3	Vertical	360	1.00	-
2437MHz	Pass	PK	524.7M	33.63	46.00	-12.37	3	Vertical	360	1.00	-
2437MHz	Pass	PK	889.42M	36.42	46.00	-9.58	3	Vertical	360	1.00	-
2437MHz	Pass	PK	61.04M	28.05	40.00	-11.95	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	173.56M	26.66	43.50	-16.84	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	359.8M	35.52	46.00	-10.48	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	520.82M	35.65	46.00	-10.35	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	887.48M	41.37	46.00	-4.63	3	Horizontal	0	1.00	-
2437MHz	Pass	QP	30M	38.17	40.00	-1.83	3	Horizontal	51	1.00	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/01/2020

2437MHz_Adapter

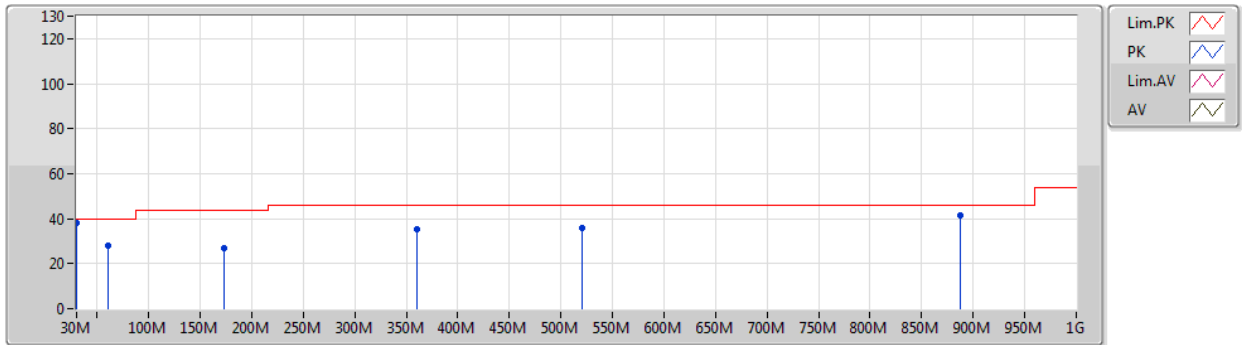


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	36.52	40.00	-3.48	-5.45	3	Vertical	360	1.00	-	41.97	21.32	0.80	27.57
PK	57.16M	33.78	40.00	-6.22	-14.61	3	Vertical	360	1.00	-	48.39	11.76	1.13	27.50
PK	99.84M	26.94	43.50	-16.56	-9.92	3	Vertical	360	1.00	-	36.86	15.94	1.52	27.38
PK	359.8M	31.62	46.00	-14.38	-4.22	3	Vertical	360	1.00	-	35.84	19.81	3.01	27.04
PK	524.7M	33.63	46.00	-12.37	-1.52	3	Vertical	360	1.00	-	35.15	22.72	3.69	27.93
PK	889.42M	36.42	46.00	-9.58	2.76	3	Vertical	360	1.00	-	33.66	25.35	4.96	27.55

802.11ax HEW40_Nss1,(MCS0)_4TX

13/01/2020

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	61.04M	28.05	40.00	-11.95	-14.89	3	Horizontal	0	1.00	-	42.94	11.43	1.17	27.49
PK	173.56M	26.66	43.50	-16.84	-10.37	3	Horizontal	0	1.00	-	37.03	14.65	2.05	27.07
PK	359.8M	35.52	46.00	-10.48	-4.22	3	Horizontal	0	1.00	-	39.74	19.81	3.01	27.04
PK	520.82M	35.65	46.00	-10.35	-1.59	3	Horizontal	0	1.00	-	37.24	22.65	3.67	27.91
PK	887.48M	41.37	46.00	-4.63	2.74	3	Horizontal	0	1.00	-	38.63	25.35	4.95	27.56
QP	30M	38.17	40.00	-1.83	-5.45	3	Horizontal	51	1.00	-	43.62	21.32	0.80	27.57

**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)_4TX	Pass	AV	4.82396G	53.52	54.00	-0.48	3	Vertical	228	1.67	-
802.11g_Nss1,(6Mbps)_4TX	Pass	AV	2.39G	53.73	54.00	-0.27	3	Horizontal	258	1.90	-
VHT20_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	53.61	54.00	-0.39	3	Vertical	355	1.50	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	53.91	54.00	-0.09	3	Vertical	105	1.66	-
VHT40_Nss1,(MCS0)_4TX	Pass	AV	2.3898G	53.86	54.00	-0.14	3	Horizontal	271	1.92	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	2.484G	53.90	54.00	-0.10	3	Vertical	270	1.50	-

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)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3712G	44.49	54.00	-9.51	3	Vertical	357	1.82	-
2412MHz	Pass	AV	2.4112G	108.64	Inf	-Inf	3	Vertical	357	1.82	-
2412MHz	Pass	PK	2.3738G	56.29	74.00	-17.71	3	Vertical	357	1.82	-
2412MHz	Pass	PK	2.413G	112.54	Inf	-Inf	3	Vertical	357	1.82	-
2412MHz	Pass	AV	2.363G	44.44	54.00	-9.56	3	Horizontal	128	1.58	-
2412MHz	Pass	AV	2.4112G	100.57	Inf	-Inf	3	Horizontal	128	1.58	-
2412MHz	Pass	PK	2.3824G	55.85	74.00	-18.15	3	Horizontal	128	1.58	-
2412MHz	Pass	PK	2.411G	104.29	Inf	-Inf	3	Horizontal	128	1.58	-
2412MHz	Pass	AV	4.82396G	53.52	54.00	-0.48	3	Vertical	228	1.67	-
2412MHz	Pass	PK	4.82393G	56.18	74.00	-17.82	3	Vertical	228	1.67	-
2412MHz	Pass	AV	4.82396G	46.53	54.00	-7.47	3	Horizontal	287	1.27	-
2412MHz	Pass	PK	4.82405G	51.11	74.00	-22.89	3	Horizontal	287	1.27	-
2437MHz	Pass	AV	2.3394G	44.61	54.00	-9.39	3	Vertical	111	1.48	-
2437MHz	Pass	AV	2.4362G	112.42	Inf	-Inf	3	Vertical	111	1.48	-
2437MHz	Pass	AV	2.4842G	44.32	54.00	-9.68	3	Vertical	111	1.48	-
2437MHz	Pass	PK	2.3402G	56.58	74.00	-17.42	3	Vertical	111	1.48	-
2437MHz	Pass	PK	2.4378G	116.28	Inf	-Inf	3	Vertical	111	1.48	-
2437MHz	Pass	PK	2.4894G	55.81	74.00	-18.19	3	Vertical	111	1.48	-
2437MHz	Pass	AV	2.339G	44.70	54.00	-9.30	3	Horizontal	279	1.94	-
2437MHz	Pass	AV	2.4362G	114.26	Inf	-Inf	3	Horizontal	279	1.94	-
2437MHz	Pass	AV	2.4854G	44.44	54.00	-9.56	3	Horizontal	279	1.94	-
2437MHz	Pass	PK	2.3438G	56.05	74.00	-17.95	3	Horizontal	279	1.94	-
2437MHz	Pass	PK	2.4362G	118.17	Inf	-Inf	3	Horizontal	279	1.94	-
2437MHz	Pass	PK	2.4998G	55.15	74.00	-18.85	3	Horizontal	279	1.94	-
2437MHz	Pass	AV	4.87396G	53.43	54.00	-0.57	3	Vertical	227	1.76	-
2437MHz	Pass	AV	7.31244G	38.07	54.00	-15.93	3	Vertical	328	1.55	-
2437MHz	Pass	PK	4.87396G	55.93	74.00	-18.07	3	Vertical	227	1.76	-
2437MHz	Pass	PK	7.31364G	51.21	74.00	-22.79	3	Vertical	328	1.55	-
2437MHz	Pass	AV	4.87396G	44.51	54.00	-9.49	3	Horizontal	212	1.43	-
2437MHz	Pass	AV	7.3119G	37.45	54.00	-16.55	3	Horizontal	15	2.49	-
2437MHz	Pass	PK	4.87404G	49.69	74.00	-24.31	3	Horizontal	212	1.43	-
2437MHz	Pass	PK	7.30122G	50.38	74.00	-23.62	3	Horizontal	15	2.49	-
2462MHz	Pass	AV	2.4628G	115.20	Inf	-Inf	3	Vertical	123	1.67	-
2462MHz	Pass	AV	2.4835G	46.97	54.00	-7.03	3	Vertical	123	1.67	-
2462MHz	Pass	PK	2.463G	119.02	Inf	-Inf	3	Vertical	123	1.67	-
2462MHz	Pass	PK	2.4866G	57.48	74.00	-16.52	3	Vertical	123	1.67	-
2462MHz	Pass	AV	2.4628G	116.72	Inf	-Inf	3	Horizontal	306	1.36	-
2462MHz	Pass	AV	2.4835G	45.57	54.00	-8.43	3	Horizontal	306	1.36	-
2462MHz	Pass	PK	2.463G	120.57	Inf	-Inf	3	Horizontal	306	1.36	-
2462MHz	Pass	PK	2.4835G	57.42	74.00	-16.58	3	Horizontal	306	1.36	-
2462MHz	Pass	AV	4.92399G	50.64	54.00	-3.36	3	Vertical	299	1.58	-
2462MHz	Pass	AV	7.38672G	39.84	54.00	-14.16	3	Vertical	256	1.59	-
2462MHz	Pass	PK	4.92397G	53.61	74.00	-20.39	3	Vertical	299	1.58	-
2462MHz	Pass	PK	7.38672G	51.19	74.00	-22.81	3	Vertical	256	1.59	-
2462MHz	Pass	AV	4.924G	49.45	54.00	-4.55	3	Horizontal	284	2.83	-
2462MHz	Pass	AV	7.38678G	39.28	54.00	-14.72	3	Horizontal	329	1.39	-
2462MHz	Pass	PK	4.92392G	52.48	74.00	-21.52	3	Horizontal	284	2.83	-

Remark :

Page No. : F2 of F100

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	7.38636G	50.75	74.00	-23.25	3	Horizontal	329	1.39	-
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.48	54.00	-0.52	3	Vertical	109	1.84	-
2412MHz	Pass	AV	2.416G	111.67	Inf	-Inf	3	Vertical	109	1.84	-
2412MHz	Pass	PK	2.39G	72.91	74.00	-1.09	3	Vertical	109	1.84	-
2412MHz	Pass	PK	2.4158G	121.43	Inf	-Inf	3	Vertical	109	1.84	-
2412MHz	Pass	AV	2.39G	51.88	54.00	-2.12	3	Horizontal	285	1.73	-
2412MHz	Pass	AV	2.4146G	109.70	Inf	-Inf	3	Horizontal	285	1.73	-
2412MHz	Pass	PK	2.39G	69.45	74.00	-4.55	3	Horizontal	285	1.73	-
2412MHz	Pass	PK	2.4146G	119.53	Inf	-Inf	3	Horizontal	285	1.73	-
2412MHz	Pass	AV	4.82004G	46.26	54.00	-7.74	3	Vertical	257	1.79	-
2412MHz	Pass	PK	4.82148G	59.08	74.00	-14.92	3	Vertical	257	1.79	-
2412MHz	Pass	AV	4.81692G	40.51	54.00	-13.49	3	Horizontal	286	1.50	-
2412MHz	Pass	PK	4.81788G	54.25	74.00	-19.75	3	Horizontal	286	1.50	-
2417MHz	Pass	AV	2.39G	49.52	54.00	-4.48	3	Vertical	96	1.78	-
2417MHz	Pass	AV	2.4178G	112.48	Inf	-Inf	3	Vertical	96	1.78	-
2417MHz	Pass	PK	2.3898G	64.64	74.00	-9.36	3	Vertical	96	1.78	-
2417MHz	Pass	PK	2.4182G	121.31	Inf	-Inf	3	Vertical	96	1.78	-
2417MHz	Pass	AV	2.39G	53.73	54.00	-0.27	3	Horizontal	258	1.90	-
2417MHz	Pass	AV	2.4106G	113.36	Inf	-Inf	3	Horizontal	258	1.90	-
2417MHz	Pass	PK	2.39G	70.43	74.00	-3.57	3	Horizontal	258	1.90	-
2417MHz	Pass	PK	2.4108G	122.68	Inf	-Inf	3	Horizontal	258	1.90	-
2437MHz	Pass	AV	2.3898G	46.05	54.00	-7.95	3	Vertical	360	2.08	-
2437MHz	Pass	AV	2.4394G	113.48	Inf	-Inf	3	Vertical	360	2.08	-
2437MHz	Pass	AV	2.4854G	44.79	54.00	-9.21	3	Vertical	360	2.08	-
2437MHz	Pass	PK	2.3898G	59.91	74.00	-14.09	3	Vertical	360	2.08	-
2437MHz	Pass	PK	2.4398G	123.22	Inf	-Inf	3	Vertical	360	2.08	-
2437MHz	Pass	PK	2.4862G	56.43	74.00	-17.57	3	Vertical	360	2.08	-
2437MHz	Pass	AV	2.3898G	52.05	54.00	-1.95	3	Horizontal	255	1.73	-
2437MHz	Pass	AV	2.435G	114.32	Inf	-Inf	3	Horizontal	255	1.73	-
2437MHz	Pass	AV	2.4846G	44.95	54.00	-9.05	3	Horizontal	255	1.73	-
2437MHz	Pass	PK	2.3898G	69.11	74.00	-4.89	3	Horizontal	255	1.73	-
2437MHz	Pass	PK	2.435G	124.17	Inf	-Inf	3	Horizontal	255	1.73	-
2437MHz	Pass	PK	2.487G	56.09	74.00	-17.91	3	Horizontal	255	1.73	-
2437MHz	Pass	AV	4.8771G	43.52	54.00	-10.48	3	Vertical	294	1.79	-
2437MHz	Pass	AV	7.3095G	38.99	54.00	-15.01	3	Vertical	305	1.47	-
2437MHz	Pass	PK	4.879G	56.06	74.00	-17.94	3	Vertical	294	1.79	-
2437MHz	Pass	PK	7.3086G	51.81	74.00	-22.19	3	Vertical	305	1.47	-
2437MHz	Pass	AV	4.86998G	37.63	54.00	-16.37	3	Horizontal	313	1.10	-
2437MHz	Pass	AV	7.30944G	39.54	54.00	-14.46	3	Horizontal	286	1.72	-
2437MHz	Pass	PK	4.87148G	51.78	74.00	-22.22	3	Horizontal	313	1.10	-
2437MHz	Pass	PK	7.31034G	52.30	74.00	-21.70	3	Horizontal	286	1.72	-
2457MHz	Pass	AV	2.4494G	114.78	Inf	-Inf	3	Vertical	1	1.86	-
2457MHz	Pass	AV	2.4835G	53.70	54.00	-0.30	3	Vertical	1	1.86	-
2457MHz	Pass	PK	2.4496G	124.22	Inf	-Inf	3	Vertical	1	1.86	-
2457MHz	Pass	PK	2.4835G	69.13	74.00	-4.87	3	Vertical	1	1.86	-
2457MHz	Pass	AV	2.4548G	114.47	Inf	-Inf	3	Horizontal	281	1.83	-
2457MHz	Pass	AV	2.4835G	51.87	54.00	-2.13	3	Horizontal	281	1.83	-
2457MHz	Pass	PK	2.4562G	124.42	Inf	-Inf	3	Horizontal	281	1.83	-

Remark :

Page No. : F3 of F100

$$\text{Level (dBuV/m)} = \text{Raw(Read Level)} + \text{AF(Antenna Factor)} + \text{CL(Cable Loss)} - \text{PA(Preamp Factor)}$$

9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4835G	66.44	74.00	-7.56	3	Horizontal	281	1.83	-
2462MHz	Pass	AV	2.4636G	110.23	Inf	-Inf	3	Vertical	101	1.66	-
2462MHz	Pass	AV	2.4835G	53.70	54.00	-0.30	3	Vertical	101	1.66	-
2462MHz	Pass	PK	2.4632G	119.77	Inf	-Inf	3	Vertical	101	1.66	-
2462MHz	Pass	PK	2.4835G	71.67	74.00	-2.33	3	Vertical	101	1.66	-
2462MHz	Pass	AV	2.4598G	110.50	Inf	-Inf	3	Horizontal	281	1.73	-
2462MHz	Pass	AV	2.4835G	52.64	54.00	-1.36	3	Horizontal	281	1.73	-
2462MHz	Pass	PK	2.4612G	120.20	Inf	-Inf	3	Horizontal	281	1.73	-
2462MHz	Pass	PK	2.4835G	71.08	74.00	-2.92	3	Horizontal	281	1.73	-
2462MHz	Pass	AV	4.92646G	41.22	54.00	-12.78	3	Vertical	291	1.64	-
2462MHz	Pass	AV	7.38222G	38.22	54.00	-15.78	3	Vertical	252	1.63	-
2462MHz	Pass	PK	4.92862G	55.22	74.00	-18.78	3	Vertical	291	1.64	-
2462MHz	Pass	PK	7.3947G	51.41	74.00	-22.59	3	Vertical	252	1.63	-
2462MHz	Pass	AV	4.9359G	37.73	54.00	-16.27	3	Horizontal	284	1.71	-
2462MHz	Pass	AV	7.38228G	38.40	54.00	-15.60	3	Horizontal	286	1.67	-
2462MHz	Pass	PK	4.9351G	51.18	74.00	-22.82	3	Horizontal	284	1.71	-
2462MHz	Pass	PK	7.38582G	51.44	74.00	-22.56	3	Horizontal	286	1.67	-
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.22	54.00	-0.78	3	Vertical	104	1.90	-
2412MHz	Pass	AV	2.4114G	108.74	Inf	-Inf	3	Vertical	104	1.90	-
2412MHz	Pass	PK	2.39G	71.13	74.00	-2.87	3	Vertical	104	1.90	-
2412MHz	Pass	PK	2.4102G	119.40	Inf	-Inf	3	Vertical	104	1.90	-
2412MHz	Pass	AV	2.3894G	51.06	54.00	-2.94	3	Horizontal	258	1.76	-
2412MHz	Pass	AV	2.4136G	110.83	Inf	-Inf	3	Horizontal	258	1.76	-
2412MHz	Pass	PK	2.39G	72.90	74.00	-1.10	3	Horizontal	258	1.76	-
2412MHz	Pass	PK	2.414G	122.10	Inf	-Inf	3	Horizontal	258	1.76	-
2412MHz	Pass	AV	4.8258G	45.43	54.00	-8.57	3	Vertical	293	1.81	-
2412MHz	Pass	PK	4.8261G	58.30	74.00	-15.70	3	Vertical	293	1.81	-
2412MHz	Pass	AV	4.8255G	41.05	54.00	-12.95	3	Horizontal	286	1.45	-
2412MHz	Pass	PK	4.8258G	53.74	74.00	-20.26	3	Horizontal	286	1.45	-
2417MHz	Pass	AV	2.39G	51.08	54.00	-2.92	3	Vertical	359	1.50	-
2417MHz	Pass	AV	2.4136G	110.88	Inf	-Inf	3	Vertical	359	1.50	-
2417MHz	Pass	PK	2.39G	68.56	74.00	-5.44	3	Vertical	359	1.50	-
2417MHz	Pass	PK	2.4184G	120.88	Inf	-Inf	3	Vertical	359	1.50	-
2417MHz	Pass	AV	2.39G	53.44	54.00	-0.56	3	Horizontal	269	1.91	-
2417MHz	Pass	AV	2.4162G	112.96	Inf	-Inf	3	Horizontal	269	1.91	-
2417MHz	Pass	PK	2.39G	69.05	74.00	-4.95	3	Horizontal	269	1.91	-
2417MHz	Pass	PK	2.4212G	124.05	Inf	-Inf	3	Horizontal	269	1.91	-
2437MHz	Pass	AV	2.3898G	52.43	54.00	-1.57	3	Vertical	6	1.74	-
2437MHz	Pass	AV	2.435G	111.50	Inf	-Inf	3	Vertical	6	1.74	-
2437MHz	Pass	AV	2.4835G	44.94	54.00	-9.06	3	Vertical	6	1.74	-
2437MHz	Pass	PK	2.3898G	69.24	74.00	-4.76	3	Vertical	6	1.74	-
2437MHz	Pass	PK	2.435G	122.73	Inf	-Inf	3	Vertical	6	1.74	-
2437MHz	Pass	PK	2.4846G	56.35	74.00	-17.65	3	Vertical	6	1.74	-
2437MHz	Pass	AV	2.3898G	52.05	54.00	-1.95	3	Horizontal	269	1.50	-
2437MHz	Pass	AV	2.4342G	112.56	Inf	-Inf	3	Horizontal	269	1.50	-
2437MHz	Pass	AV	2.4842G	45.00	54.00	-9.00	3	Horizontal	269	1.50	-
2437MHz	Pass	PK	2.3898G	68.05	74.00	-5.95	3	Horizontal	269	1.50	-
2437MHz	Pass	PK	2.4442G	123.56	Inf	-Inf	3	Horizontal	269	1.50	-

Remark :

Page No. : F4 of F100

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4842G	57.12	74.00	-16.88	3	Horizontal	269	1.50	-
2437MHz	Pass	AV	4.87598G	43.06	54.00	-10.94	3	Vertical	293	1.77	-
2437MHz	Pass	AV	7.3107G	38.37	54.00	-15.63	3	Vertical	304	1.47	-
2437MHz	Pass	PK	4.8854G	57.05	74.00	-16.95	3	Vertical	293	1.77	-
2437MHz	Pass	PK	7.3156G	52.56	74.00	-21.44	3	Vertical	304	1.47	-
2437MHz	Pass	AV	4.8762G	38.49	54.00	-15.51	3	Horizontal	326	1.21	-
2437MHz	Pass	AV	7.3134G	38.51	54.00	-15.49	3	Horizontal	288	1.50	-
2437MHz	Pass	PK	4.8767G	52.15	74.00	-21.85	3	Horizontal	326	1.21	-
2437MHz	Pass	PK	7.3131G	51.30	74.00	-22.70	3	Horizontal	288	1.50	-
2457MHz	Pass	AV	2.4484G	110.19	Inf	-Inf	3	Vertical	355	1.50	-
2457MHz	Pass	AV	2.4835G	53.61	54.00	-0.39	3	Vertical	355	1.50	-
2457MHz	Pass	PK	2.4488G	120.84	Inf	-Inf	3	Vertical	355	1.50	-
2457MHz	Pass	PK	2.4835G	68.26	74.00	-5.74	3	Vertical	355	1.50	-
2457MHz	Pass	AV	2.4516G	112.02	Inf	-Inf	3	Horizontal	276	1.86	-
2457MHz	Pass	AV	2.4846G	51.77	54.00	-2.23	3	Horizontal	276	1.86	-
2457MHz	Pass	PK	2.4518G	123.19	Inf	-Inf	3	Horizontal	276	1.86	-
2457MHz	Pass	PK	2.4844G	66.68	74.00	-7.32	3	Horizontal	276	1.86	-
2462MHz	Pass	AV	2.4644G	107.68	Inf	-Inf	3	Vertical	348	1.89	-
2462MHz	Pass	AV	2.4842G	53.23	54.00	-0.77	3	Vertical	348	1.89	-
2462MHz	Pass	PK	2.4644G	118.69	Inf	-Inf	3	Vertical	348	1.89	-
2462MHz	Pass	PK	2.4835G	69.99	74.00	-4.01	3	Vertical	348	1.89	-
2462MHz	Pass	AV	2.4612G	110.03	Inf	-Inf	3	Horizontal	257	1.85	-
2462MHz	Pass	AV	2.4835G	50.22	54.00	-3.78	3	Horizontal	257	1.85	-
2462MHz	Pass	PK	2.4606G	121.42	Inf	-Inf	3	Horizontal	257	1.85	-
2462MHz	Pass	PK	2.486G	69.65	74.00	-4.35	3	Horizontal	257	1.85	-
2462MHz	Pass	AV	4.92568G	40.43	54.00	-13.57	3	Vertical	291	1.64	-
2462MHz	Pass	AV	7.39038G	37.60	54.00	-16.40	3	Vertical	232	1.46	-
2462MHz	Pass	PK	4.92676G	54.11	74.00	-19.89	3	Vertical	291	1.64	-
2462MHz	Pass	PK	7.38564G	51.06	74.00	-22.94	3	Vertical	232	1.46	-
2462MHz	Pass	AV	4.9256G	38.45	54.00	-15.55	3	Horizontal	289	1.00	-
2462MHz	Pass	AV	7.39074G	38.03	54.00	-15.97	3	Horizontal	284	1.68	-
2462MHz	Pass	PK	4.926G	51.39	74.00	-22.61	3	Horizontal	289	1.00	-
2462MHz	Pass	PK	7.37814G	52.04	74.00	-21.96	3	Horizontal	284	1.68	-
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	49.17	54.00	-4.83	3	Vertical	112	1.92	-
2412MHz	Pass	AV	2.4062G	108.97	Inf	-Inf	3	Vertical	112	1.92	-
2412MHz	Pass	PK	2.39G	64.30	74.00	-9.70	3	Vertical	112	1.92	-
2412MHz	Pass	PK	2.4162G	121.17	Inf	-Inf	3	Vertical	112	1.92	-
2412MHz	Pass	AV	2.39G	53.47	54.00	-0.53	3	Horizontal	256	1.74	-
2412MHz	Pass	AV	2.4144G	109.75	Inf	-Inf	3	Horizontal	256	1.74	-
2412MHz	Pass	PK	2.39G	68.38	74.00	-5.62	3	Horizontal	256	1.74	-
2412MHz	Pass	PK	2.409G	121.36	Inf	-Inf	3	Horizontal	256	1.74	-
2412MHz	Pass	AV	4.8256G	43.43	54.00	-10.57	3	Vertical	294	1.81	-
2412MHz	Pass	PK	4.8205G	56.64	74.00	-17.36	3	Vertical	294	1.81	-
2412MHz	Pass	AV	4.8255G	39.39	54.00	-14.61	3	Horizontal	288	1.34	-
2412MHz	Pass	PK	4.8206G	52.03	74.00	-21.97	3	Horizontal	288	1.34	-
2417MHz	Pass	AV	2.39G	53.26	54.00	-0.74	3	Vertical	360	1.74	-
2417MHz	Pass	AV	2.416G	112.07	Inf	-Inf	3	Vertical	360	1.74	-
2417MHz	Pass	PK	2.39G	71.42	74.00	-2.58	3	Vertical	360	1.74	-

Remark :

Page No. : F5 of F100

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2417MHz	Pass	PK	2.4208G	122.73	Inf	-Inf	3	Vertical	360	1.74	-
2417MHz	Pass	AV	2.3898G	53.67	54.00	-0.33	3	Horizontal	267	1.91	-
2417MHz	Pass	AV	2.4188G	114.22	Inf	-Inf	3	Horizontal	267	1.91	-
2417MHz	Pass	PK	2.39G	69.41	74.00	-4.59	3	Horizontal	267	1.91	-
2417MHz	Pass	PK	2.4138G	125.07	Inf	-Inf	3	Horizontal	267	1.91	-
2437MHz	Pass	AV	2.3898G	51.80	54.00	-2.20	3	Vertical	0	1.78	-
2437MHz	Pass	AV	2.4426G	112.77	Inf	-Inf	3	Vertical	0	1.78	-
2437MHz	Pass	AV	2.4835G	46.14	54.00	-7.86	3	Vertical	0	1.78	-
2437MHz	Pass	PK	2.3898G	68.81	74.00	-5.19	3	Vertical	0	1.78	-
2437MHz	Pass	PK	2.4426G	123.91	Inf	-Inf	3	Vertical	0	1.78	-
2437MHz	Pass	PK	2.4835G	57.98	74.00	-16.02	3	Vertical	0	1.78	-
2437MHz	Pass	AV	2.3898G	53.49	54.00	-0.51	3	Horizontal	269	1.50	-
2437MHz	Pass	AV	2.441G	113.16	Inf	-Inf	3	Horizontal	269	1.50	-
2437MHz	Pass	AV	2.4866G	45.92	54.00	-8.08	3	Horizontal	269	1.50	-
2437MHz	Pass	PK	2.3898G	71.09	74.00	-2.91	3	Horizontal	269	1.50	-
2437MHz	Pass	PK	2.4414G	126.45	Inf	-Inf	3	Horizontal	269	1.50	-
2437MHz	Pass	PK	2.4866G	59.65	74.00	-14.35	3	Horizontal	269	1.50	-
2437MHz	Pass	AV	4.8763G	42.74	54.00	-11.26	3	Vertical	293	1.67	-
2437MHz	Pass	AV	7.313G	38.45	54.00	-15.55	3	Vertical	254	1.50	-
2437MHz	Pass	PK	4.8813G	54.99	74.00	-19.01	3	Vertical	293	1.67	-
2437MHz	Pass	PK	7.3034G	50.64	74.00	-23.36	3	Vertical	254	1.50	-
2437MHz	Pass	AV	4.8765G	38.33	54.00	-15.67	3	Horizontal	328	1.28	-
2437MHz	Pass	AV	7.3135G	38.67	54.00	-15.33	3	Horizontal	286	1.68	-
2437MHz	Pass	PK	4.8767G	51.18	74.00	-22.82	3	Horizontal	328	1.28	-
2437MHz	Pass	PK	7.3152G	51.65	74.00	-22.35	3	Horizontal	286	1.68	-
2457MHz	Pass	AV	2.4542G	112.14	Inf	-Inf	3	Vertical	335	1.87	-
2457MHz	Pass	AV	2.4842G	53.69	54.00	-0.31	3	Vertical	335	1.87	-
2457MHz	Pass	PK	2.454G	124.25	Inf	-Inf	3	Vertical	335	1.87	-
2457MHz	Pass	PK	2.4838G	67.01	74.00	-6.99	3	Vertical	335	1.87	-
2457MHz	Pass	AV	2.4502G	112.92	Inf	-Inf	3	Horizontal	280	1.89	-
2457MHz	Pass	AV	2.4836G	52.63	54.00	-1.37	3	Horizontal	280	1.89	-
2457MHz	Pass	PK	2.4656G	124.10	Inf	-Inf	3	Horizontal	280	1.89	-
2457MHz	Pass	PK	2.4835G	68.58	74.00	-5.42	3	Horizontal	280	1.89	-
2462MHz	Pass	AV	2.463G	109.07	Inf	-Inf	3	Vertical	105	1.66	-
2462MHz	Pass	AV	2.4835G	53.91	54.00	-0.09	3	Vertical	105	1.66	-
2462MHz	Pass	PK	2.4632G	121.52	Inf	-Inf	3	Vertical	105	1.66	-
2462MHz	Pass	PK	2.4844G	67.26	74.00	-6.74	3	Vertical	105	1.66	-
2462MHz	Pass	AV	2.4652G	108.59	Inf	-Inf	3	Horizontal	280	1.70	-
2462MHz	Pass	AV	2.4835G	51.60	54.00	-2.40	3	Horizontal	280	1.70	-
2462MHz	Pass	PK	2.4658G	120.06	Inf	-Inf	3	Horizontal	280	1.70	-
2462MHz	Pass	PK	2.4858G	65.27	74.00	-8.73	3	Horizontal	280	1.70	-
2462MHz	Pass	AV	4.9254G	39.97	54.00	-14.03	3	Vertical	291	1.66	-
2462MHz	Pass	AV	7.3936G	37.61	54.00	-16.39	3	Vertical	260	1.81	-
2462MHz	Pass	PK	4.9205G	52.85	74.00	-21.15	3	Vertical	291	1.66	-
2462MHz	Pass	PK	7.3941G	50.66	74.00	-23.34	3	Vertical	260	1.81	-
2462MHz	Pass	AV	4.9257G	37.96	54.00	-16.04	3	Horizontal	288	1.00	-
2462MHz	Pass	AV	7.3994G	38.09	54.00	-15.91	3	Horizontal	286	1.67	-
2462MHz	Pass	PK	4.9311G	50.57	74.00	-23.43	3	Horizontal	288	1.00	-
2462MHz	Pass	PK	7.3746G	51.16	74.00	-22.84	3	Horizontal	286	1.67	-

Remark :

Page No. : F6 of F100

$$\text{Level (dBuV/m)} = \text{Raw(Read Level)} + \text{AF(Antenna Factor)} + \text{CL(Cable Loss)} - \text{PA(Preamp Factor)}$$

9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.02	54.00	-0.98	3	Vertical	35	1.98	-
2422MHz	Pass	AV	2.4156G	107.48	Inf	-Inf	3	Vertical	35	1.98	-
2422MHz	Pass	AV	2.4852G	45.25	54.00	-8.75	3	Vertical	35	1.98	-
2422MHz	Pass	PK	2.39G	67.03	74.00	-6.97	3	Vertical	35	1.98	-
2422MHz	Pass	PK	2.4156G	117.54	Inf	-Inf	3	Vertical	35	1.98	-
2422MHz	Pass	PK	2.4912G	56.57	74.00	-17.43	3	Vertical	35	1.98	-
2422MHz	Pass	AV	2.39G	53.15	54.00	-0.85	3	Horizontal	258	1.71	-
2422MHz	Pass	AV	2.4156G	106.95	Inf	-Inf	3	Horizontal	258	1.71	-
2422MHz	Pass	AV	2.4852G	44.61	54.00	-9.39	3	Horizontal	258	1.71	-
2422MHz	Pass	PK	2.39G	68.30	74.00	-5.70	3	Horizontal	258	1.71	-
2422MHz	Pass	PK	2.4156G	118.35	Inf	-Inf	3	Horizontal	258	1.71	-
2422MHz	Pass	PK	2.4964G	56.10	74.00	-17.90	3	Horizontal	258	1.71	-
2422MHz	Pass	AV	4.8406G	39.14	54.00	-14.86	3	Vertical	293	1.78	-
2422MHz	Pass	PK	4.8408G	52.07	74.00	-21.93	3	Vertical	293	1.78	-
2422MHz	Pass	AV	4.8406G	35.55	54.00	-18.45	3	Horizontal	328	1.24	-
2422MHz	Pass	PK	4.8408G	47.81	74.00	-26.19	3	Horizontal	328	1.24	-
2427MHz	Pass	AV	2.3898G	53.85	54.00	-0.15	3	Vertical	354	1.95	-
2427MHz	Pass	AV	2.421G	108.25	Inf	-Inf	3	Vertical	354	1.95	-
2427MHz	Pass	AV	2.4882G	47.88	54.00	-6.12	3	Vertical	354	1.95	-
2427MHz	Pass	PK	2.3898G	67.09	74.00	-6.91	3	Vertical	354	1.95	-
2427MHz	Pass	PK	2.4206G	118.30	Inf	-Inf	3	Vertical	354	1.95	-
2427MHz	Pass	PK	2.495G	60.42	74.00	-13.58	3	Vertical	354	1.95	-
2427MHz	Pass	AV	2.3898G	53.86	54.00	-0.14	3	Horizontal	271	1.92	-
2427MHz	Pass	AV	2.419G	109.02	Inf	-Inf	3	Horizontal	271	1.92	-
2427MHz	Pass	AV	2.4842G	47.76	54.00	-6.24	3	Horizontal	271	1.92	-
2427MHz	Pass	PK	2.3898G	69.48	74.00	-4.52	3	Horizontal	271	1.92	-
2427MHz	Pass	PK	2.4238G	119.10	Inf	-Inf	3	Horizontal	271	1.92	-
2427MHz	Pass	PK	2.4922G	60.19	74.00	-13.81	3	Horizontal	271	1.92	-
2437MHz	Pass	AV	2.3898G	53.72	54.00	-0.28	3	Vertical	31	2.15	-
2437MHz	Pass	AV	2.4442G	107.91	Inf	-Inf	3	Vertical	31	2.15	-
2437MHz	Pass	AV	2.4842G	48.67	54.00	-5.33	3	Vertical	31	2.15	-
2437MHz	Pass	PK	2.3898G	67.95	74.00	-6.05	3	Vertical	31	2.15	-
2437MHz	Pass	PK	2.4442G	117.55	Inf	-Inf	3	Vertical	31	2.15	-
2437MHz	Pass	PK	2.4842G	62.31	74.00	-11.69	3	Vertical	31	2.15	-
2437MHz	Pass	AV	2.3898G	51.77	54.00	-2.23	3	Horizontal	282	1.83	-
2437MHz	Pass	AV	2.443G	107.29	Inf	-Inf	3	Horizontal	282	1.83	-
2437MHz	Pass	AV	2.4835G	50.40	54.00	-3.60	3	Horizontal	282	1.83	-
2437MHz	Pass	PK	2.3898G	67.23	74.00	-6.77	3	Horizontal	282	1.83	-
2437MHz	Pass	PK	2.4478G	117.62	Inf	-Inf	3	Horizontal	282	1.83	-
2437MHz	Pass	PK	2.4835G	64.47	74.00	-9.53	3	Horizontal	282	1.83	-
2437MHz	Pass	AV	4.8704G	39.42	54.00	-14.58	3	Vertical	295	1.73	-
2437MHz	Pass	AV	7.31466G	37.48	54.00	-16.52	3	Vertical	242	1.00	-
2437MHz	Pass	PK	4.8708G	53.01	74.00	-20.99	3	Vertical	295	1.73	-
2437MHz	Pass	PK	7.30968G	50.49	74.00	-23.51	3	Vertical	242	1.00	-
2437MHz	Pass	AV	4.8706G	35.97	54.00	-18.03	3	Horizontal	327	1.06	-
2437MHz	Pass	AV	7.3137G	37.28	54.00	-16.72	3	Horizontal	237	1.14	-
2437MHz	Pass	PK	4.8688G	48.79	74.00	-25.21	3	Horizontal	327	1.06	-
2437MHz	Pass	PK	7.31814G	50.77	74.00	-23.23	3	Horizontal	237	1.14	-

Remark :

Page No. : F7 of F100

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2447MHz	Pass	AV	2.3894G	47.75	54.00	-6.25	3	Vertical	360	1.69	-
2447MHz	Pass	AV	2.4426G	108.01	Inf	-Inf	3	Vertical	360	1.69	-
2447MHz	Pass	AV	2.4835G	53.65	54.00	-0.35	3	Vertical	360	1.69	-
2447MHz	Pass	PK	2.377G	59.96	74.00	-14.04	3	Vertical	360	1.69	-
2447MHz	Pass	PK	2.4426G	117.38	Inf	-Inf	3	Vertical	360	1.69	-
2447MHz	Pass	PK	2.4835G	66.90	74.00	-7.10	3	Vertical	360	1.69	-
2447MHz	Pass	AV	2.3898G	47.89	54.00	-6.11	3	Horizontal	270	1.67	-
2447MHz	Pass	AV	2.4418G	109.24	Inf	-Inf	3	Horizontal	270	1.67	-
2447MHz	Pass	AV	2.4846G	53.86	54.00	-0.14	3	Horizontal	270	1.67	-
2447MHz	Pass	PK	2.3898G	60.65	74.00	-13.35	3	Horizontal	270	1.67	-
2447MHz	Pass	PK	2.4514G	119.76	Inf	-Inf	3	Horizontal	270	1.67	-
2447MHz	Pass	PK	2.4835G	71.13	74.00	-2.87	3	Horizontal	270	1.67	-
2452MHz	Pass	AV	2.39G	45.22	54.00	-8.78	3	Vertical	0	2.14	-
2452MHz	Pass	AV	2.4448G	106.28	Inf	-Inf	3	Vertical	0	2.14	-
2452MHz	Pass	AV	2.4852G	53.27	54.00	-0.73	3	Vertical	0	2.14	-
2452MHz	Pass	PK	2.39G	56.77	74.00	-17.23	3	Vertical	0	2.14	-
2452MHz	Pass	PK	2.45G	115.69	Inf	-Inf	3	Vertical	0	2.14	-
2452MHz	Pass	PK	2.4852G	64.74	74.00	-9.26	3	Vertical	0	2.14	-
2452MHz	Pass	AV	2.39G	45.13	54.00	-8.87	3	Horizontal	268	1.50	-
2452MHz	Pass	AV	2.444G	106.27	Inf	-Inf	3	Horizontal	268	1.50	-
2452MHz	Pass	AV	2.4835G	53.20	54.00	-0.80	3	Horizontal	268	1.50	-
2452MHz	Pass	PK	2.3712G	56.22	74.00	-17.78	3	Horizontal	268	1.50	-
2452MHz	Pass	PK	2.444G	117.29	Inf	-Inf	3	Horizontal	268	1.50	-
2452MHz	Pass	PK	2.4835G	67.53	74.00	-6.47	3	Horizontal	268	1.50	-
2452MHz	Pass	AV	4.8956G	38.69	54.00	-15.31	3	Vertical	292	1.73	-
2452MHz	Pass	AV	7.35348G	37.26	54.00	-16.74	3	Vertical	111	1.50	-
2452MHz	Pass	PK	4.9007G	51.76	74.00	-22.24	3	Vertical	292	1.73	-
2452MHz	Pass	PK	7.34952G	50.49	74.00	-23.51	3	Vertical	111	1.50	-
2452MHz	Pass	AV	4.8963G	35.59	54.00	-18.41	3	Horizontal	328	1.35	-
2452MHz	Pass	AV	7.35552G	37.65	54.00	-16.35	3	Horizontal	203	1.50	-
2452MHz	Pass	PK	4.8906G	49.20	74.00	-24.80	3	Horizontal	328	1.35	-
2452MHz	Pass	PK	7.34496G	50.72	74.00	-23.28	3	Horizontal	203	1.50	-
802.11ax HEW40_Nss1_(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	49.45	54.00	-4.55	3	Vertical	347	1.88	-
2422MHz	Pass	AV	2.4136G	106.58	Inf	-Inf	3	Vertical	347	1.88	-
2422MHz	Pass	AV	2.484G	44.94	54.00	-9.06	3	Vertical	347	1.88	-
2422MHz	Pass	PK	2.39G	62.03	74.00	-11.97	3	Vertical	347	1.88	-
2422MHz	Pass	PK	2.4188G	117.70	Inf	-Inf	3	Vertical	347	1.88	-
2422MHz	Pass	PK	2.4952G	55.73	74.00	-18.27	3	Vertical	347	1.88	-
2422MHz	Pass	AV	2.39G	53.73	54.00	-0.27	3	Horizontal	271	1.75	-
2422MHz	Pass	AV	2.4164G	106.87	Inf	-Inf	3	Horizontal	271	1.75	-
2422MHz	Pass	AV	2.4884G	44.36	54.00	-9.64	3	Horizontal	271	1.75	-
2422MHz	Pass	PK	2.39G	67.96	74.00	-6.04	3	Horizontal	271	1.75	-
2422MHz	Pass	PK	2.4112G	118.02	Inf	-Inf	3	Horizontal	271	1.75	-
2422MHz	Pass	PK	2.4835G	55.18	74.00	-18.82	3	Horizontal	271	1.75	-
2422MHz	Pass	AV	4.841G	42.32	54.00	-11.68	3	Vertical	276	1.64	-
2422MHz	Pass	AV	7.25904G	44.61	54.00	-9.39	3	Vertical	34	1.50	-
2422MHz	Pass	PK	4.8411G	55.33	74.00	-18.67	3	Vertical	276	1.64	-
2422MHz	Pass	PK	7.2706G	56.69	74.00	-17.31	3	Vertical	34	1.50	-

Remark :

Page No. : F8 of F100

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	4.8436G	39.74	54.00	-14.26	3	Horizontal	181	1.90	-
2422MHz	Pass	AV	7.26G	44.66	54.00	-9.34	3	Horizontal	10	1.50	-
2422MHz	Pass	PK	4.8428G	51.70	74.00	-22.30	3	Horizontal	181	1.90	-
2422MHz	Pass	PK	7.25812G	56.60	74.00	-17.40	3	Horizontal	10	1.50	-
2427MHz	Pass	AV	2.3898G	52.12	54.00	-1.88	3	Vertical	360	1.74	-
2427MHz	Pass	AV	2.4202G	107.03	Inf	-Inf	3	Vertical	360	1.74	-
2427MHz	Pass	AV	2.4966G	48.52	54.00	-5.48	3	Vertical	360	1.74	-
2427MHz	Pass	PK	2.3898G	64.09	74.00	-9.91	3	Vertical	360	1.74	-
2427MHz	Pass	PK	2.415G	117.27	Inf	-Inf	3	Vertical	360	1.74	-
2427MHz	Pass	PK	2.491G	60.61	74.00	-13.39	3	Vertical	360	1.74	-
2427MHz	Pass	AV	2.3898G	53.47	54.00	-0.53	3	Horizontal	267	1.93	-
2427MHz	Pass	AV	2.419G	108.91	Inf	-Inf	3	Horizontal	267	1.93	-
2427MHz	Pass	AV	2.4858G	48.69	54.00	-5.31	3	Horizontal	267	1.93	-
2427MHz	Pass	PK	2.3898G	66.18	74.00	-7.82	3	Horizontal	267	1.93	-
2427MHz	Pass	PK	2.419G	120.54	Inf	-Inf	3	Horizontal	267	1.93	-
2427MHz	Pass	PK	2.4878G	60.07	74.00	-13.93	3	Horizontal	267	1.93	-
2437MHz	Pass	AV	2.3898G	49.08	54.00	-4.92	3	Vertical	0	1.76	-
2437MHz	Pass	AV	2.4426G	107.16	Inf	-Inf	3	Vertical	0	1.76	-
2437MHz	Pass	AV	2.4835G	48.73	54.00	-5.27	3	Vertical	0	1.76	-
2437MHz	Pass	PK	2.3898G	62.76	74.00	-11.24	3	Vertical	0	1.76	-
2437MHz	Pass	PK	2.4426G	119.00	Inf	-Inf	3	Vertical	0	1.76	-
2437MHz	Pass	PK	2.4835G	60.39	74.00	-13.61	3	Vertical	0	1.76	-
2437MHz	Pass	AV	2.3898G	53.73	54.00	-0.27	3	Horizontal	270	1.66	-
2437MHz	Pass	AV	2.4318G	107.82	Inf	-Inf	3	Horizontal	270	1.66	-
2437MHz	Pass	AV	2.4866G	47.29	54.00	-6.71	3	Horizontal	270	1.66	-
2437MHz	Pass	PK	2.3898G	67.83	74.00	-6.17	3	Horizontal	270	1.66	-
2437MHz	Pass	PK	2.4262G	119.05	Inf	-Inf	3	Horizontal	270	1.66	-
2437MHz	Pass	PK	2.4866G	60.93	74.00	-13.07	3	Horizontal	270	1.66	-
2437MHz	Pass	AV	4.871G	39.98	54.00	-14.02	3	Vertical	281	1.50	-
2437MHz	Pass	AV	7.3103G	42.06	54.00	-11.94	3	Vertical	114	2.81	-
2437MHz	Pass	PK	4.8761G	51.56	74.00	-22.44	3	Vertical	281	1.50	-
2437MHz	Pass	PK	7.3153G	54.26	74.00	-19.74	3	Vertical	114	2.79	-
2437MHz	Pass	AV	4.8702G	36.96	54.00	-17.04	3	Horizontal	183	1.50	-
2437MHz	Pass	AV	7.31154G	42.01	54.00	-11.99	3	Horizontal	360	1.11	-
2437MHz	Pass	PK	4.8705G	49.98	74.00	-24.02	3	Horizontal	183	1.50	-
2437MHz	Pass	PK	7.3156G	54.31	74.00	-19.69	3	Horizontal	360	1.11	-
2447MHz	Pass	AV	2.3498G	48.49	54.00	-5.51	3	Vertical	352	1.49	-
2447MHz	Pass	AV	2.4426G	106.84	Inf	-Inf	3	Vertical	352	1.49	-
2447MHz	Pass	AV	2.4842G	52.40	54.00	-1.60	3	Vertical	352	1.49	-
2447MHz	Pass	PK	2.371G	60.47	74.00	-13.53	3	Vertical	352	1.49	-
2447MHz	Pass	PK	2.4374G	116.77	Inf	-Inf	3	Vertical	352	1.49	-
2447MHz	Pass	PK	2.4838G	64.42	74.00	-9.58	3	Vertical	352	1.49	-
2447MHz	Pass	AV	2.3898G	48.70	54.00	-5.30	3	Horizontal	265	1.88	-
2447MHz	Pass	AV	2.4518G	108.63	Inf	-Inf	3	Horizontal	265	1.88	-
2447MHz	Pass	AV	2.4846G	53.71	54.00	-0.29	3	Horizontal	265	1.88	-
2447MHz	Pass	PK	2.3582G	60.33	74.00	-13.67	3	Horizontal	265	1.88	-
2447MHz	Pass	PK	2.4462G	119.40	Inf	-Inf	3	Horizontal	265	1.88	-
2447MHz	Pass	PK	2.4838G	66.36	74.00	-7.64	3	Horizontal	265	1.88	-
2452MHz	Pass	AV	2.3552G	48.41	54.00	-5.59	3	Vertical	270	1.50	-

Remark :

Page No. : F9 of F100

$$\text{Level (dBuV/m)} = \text{Raw(Read Level)} + \text{AF(Antenna Factor)} + \text{CL(Cable Loss)} - \text{PA(Preamp Factor)}$$

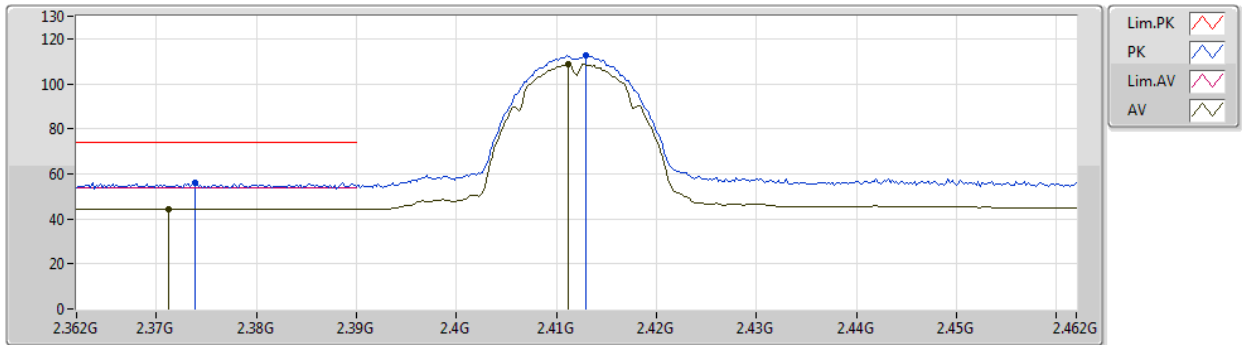
9D1213

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	AV	2.444G	107.74	Inf	-Inf	3	Vertical	270	1.50	-
2452MHz	Pass	AV	2.484G	53.90	54.00	-0.10	3	Vertical	270	1.50	-
2452MHz	Pass	PK	2.354G	60.15	74.00	-13.85	3	Vertical	270	1.50	-
2452MHz	Pass	PK	2.444G	119.51	Inf	-Inf	3	Vertical	270	1.50	-
2452MHz	Pass	PK	2.4835G	66.63	74.00	-7.37	3	Vertical	270	1.50	-
2452MHz	Pass	AV	2.39G	48.34	54.00	-5.66	3	Horizontal	265	1.69	-
2452MHz	Pass	AV	2.4464G	108.58	Inf	-Inf	3	Horizontal	265	1.69	-
2452MHz	Pass	AV	2.486G	53.03	54.00	-0.97	3	Horizontal	265	1.69	-
2452MHz	Pass	PK	2.3632G	60.84	74.00	-13.16	3	Horizontal	265	1.69	-
2452MHz	Pass	PK	2.4512G	119.74	Inf	-Inf	3	Horizontal	265	1.69	-
2452MHz	Pass	PK	2.486G	65.80	74.00	-8.20	3	Horizontal	265	1.69	-
2452MHz	Pass	AV	4.8907G	39.15	54.00	-14.85	3	Vertical	268	1.50	-
2452MHz	Pass	AV	7.35384G	42.00	54.00	-12.00	3	Vertical	211	1.50	-
2452MHz	Pass	PK	4.9012G	50.96	74.00	-23.04	3	Vertical	268	1.50	-
2452MHz	Pass	PK	7.35472G	54.16	74.00	-19.84	3	Vertical	211	1.50	-
2452MHz	Pass	AV	4.8938G	37.15	54.00	-16.85	3	Horizontal	186	1.50	-
2452MHz	Pass	AV	7.35004G	41.85	54.00	-12.15	3	Horizontal	147	1.50	-
2452MHz	Pass	PK	4.8902G	48.76	74.00	-25.24	3	Horizontal	186	1.50	-
2452MHz	Pass	PK	7.36172G	54.56	74.00	-19.44	3	Horizontal	147	1.50	-

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2412MHz_TX

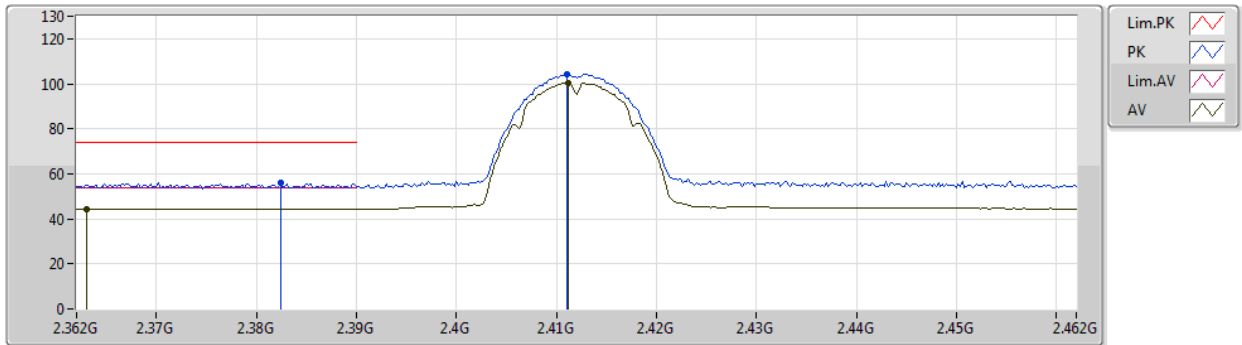


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3712G	44.49	54.00	-9.51	31.60	3	Vertical	357	1.82	-	12.89	27.62	3.98	-
AV	2.4112G	108.64	Inf	-Inf	31.50	3	Vertical	357	1.82	-	77.14	27.48	4.02	-
PK	2.3738G	56.29	74.00	-17.71	31.58	3	Vertical	357	1.82	-	24.71	27.60	3.98	-
PK	2.413G	112.54	Inf	-Inf	31.49	3	Vertical	357	1.82	-	81.05	27.47	4.02	-

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2412MHz_TX

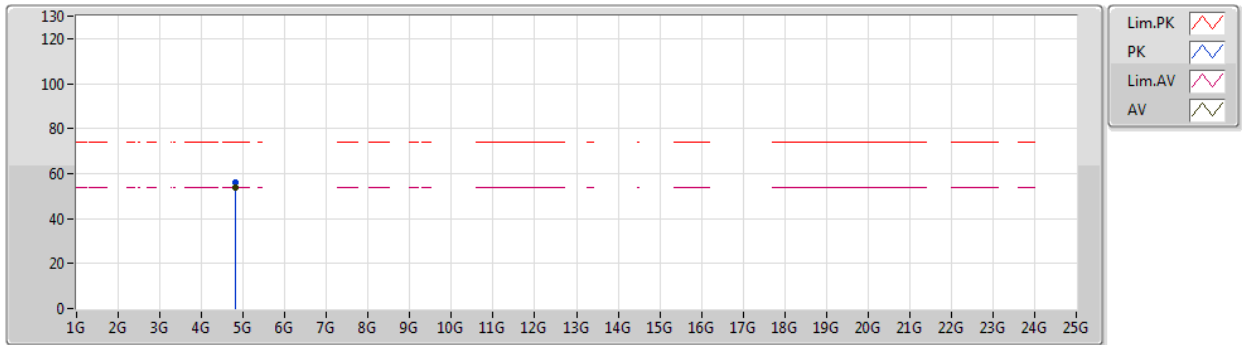


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.363G	44.44	54.00	-9.56	31.62	3	Horizontal	128	1.58	-	12.82	27.65	3.97	-
AV	2.4112G	100.57	Inf	-Inf	31.50	3	Horizontal	128	1.58	-	69.07	27.48	4.02	-
PK	2.3824G	55.85	74.00	-18.15	31.56	3	Horizontal	128	1.58	-	24.29	27.57	3.99	-
PK	2.411G	104.29	Inf	-Inf	31.50	3	Horizontal	128	1.58	-	72.79	27.48	4.02	-

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2412MHz_TX

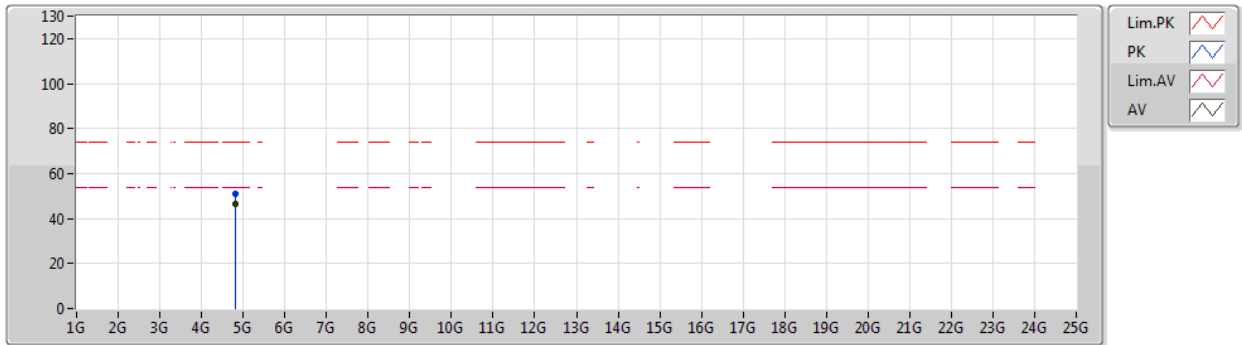


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82396G	53.52	54.00	-0.48	7.51	3	Vertical	228	1.67	-	46.01	31.12	5.79	29.40
PK	4.82393G	56.18	74.00	-17.82	7.51	3	Vertical	228	1.67	-	48.67	31.12	5.79	29.40

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2412MHz_TX

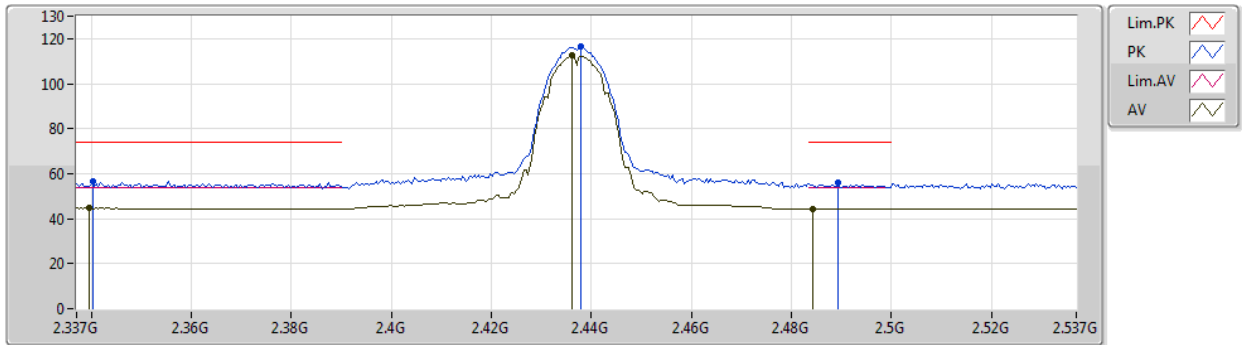


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82396G	46.53	54.00	-7.47	7.51	3	Horizontal	287	1.27	-	39.02	31.12	5.79	29.40
PK	4.82405G	51.11	74.00	-22.89	7.51	3	Horizontal	287	1.27	-	43.60	31.12	5.79	29.40

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2437MHz_TX

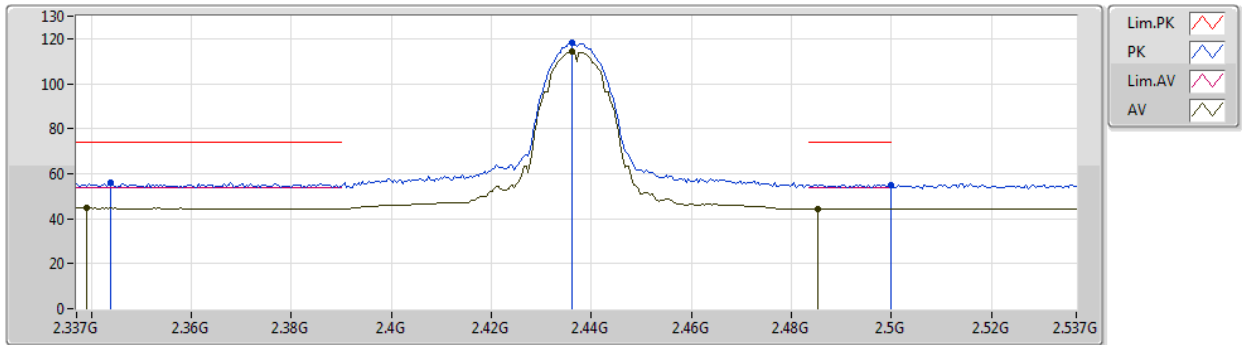


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3394G	44.61	54.00	-9.39	31.69	3	Vertical	111	1.48	-	12.92	27.74	3.95	-
AV	2.4362G	112.42	Inf	-Inf	31.47	3	Vertical	111	1.48	-	80.95	27.43	4.04	-
AV	2.4842G	44.32	54.00	-9.68	31.42	3	Vertical	111	1.48	-	12.90	27.33	4.09	-
PK	2.3402G	56.58	74.00	-17.42	31.69	3	Vertical	111	1.48	-	24.89	27.74	3.95	-
PK	2.4378G	116.28	Inf	-Inf	31.46	3	Vertical	111	1.48	-	84.82	27.42	4.04	-
PK	2.4894G	55.81	74.00	-18.19	31.41	3	Vertical	111	1.48	-	24.40	27.32	4.09	-

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2437MHz_TX

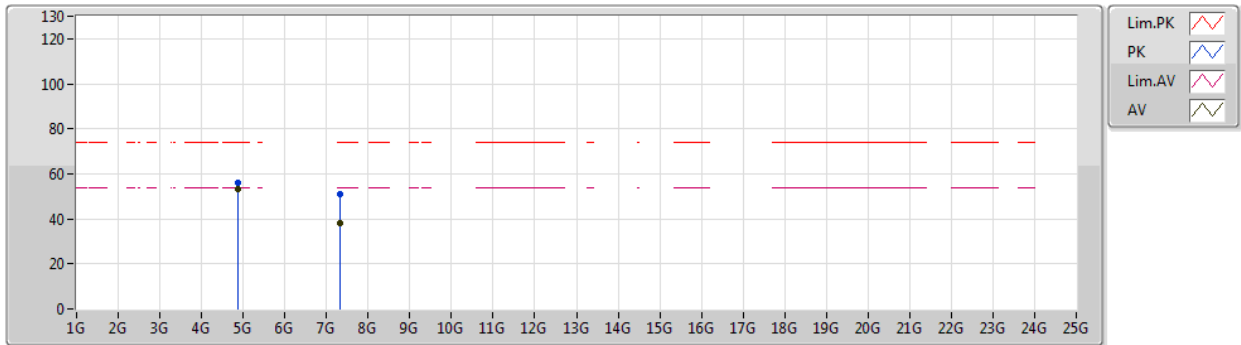


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.339G	44.70	54.00	-9.30	31.69	3	Horizontal	279	1.94	-	13.01	27.74	3.95	-
AV	2.4362G	114.26	Inf	-Inf	31.47	3	Horizontal	279	1.94	-	82.79	27.43	4.04	-
AV	2.4854G	44.44	54.00	-9.56	31.42	3	Horizontal	279	1.94	-	13.02	27.33	4.09	-
PK	2.3438G	56.05	74.00	-17.95	31.67	3	Horizontal	279	1.94	-	24.38	27.72	3.95	-
PK	2.4362G	118.17	Inf	-Inf	31.47	3	Horizontal	279	1.94	-	86.70	27.43	4.04	-
PK	2.4998G	55.15	74.00	-18.85	31.40	3	Horizontal	279	1.94	-	23.75	27.30	4.10	-

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2437MHz_TX

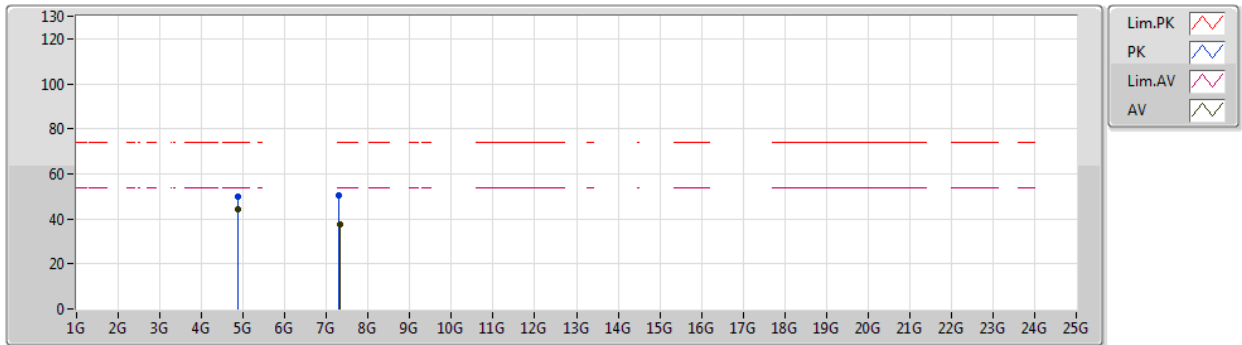


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87396G	53.43	54.00	-0.57	7.62	3	Vertical	227	1.76	-	45.81	31.17	5.83	29.38
AV	7.31244G	38.07	54.00	-15.93	13.41	3	Vertical	328	1.55	-	24.66	36.29	7.48	30.36
PK	4.87396G	55.93	74.00	-18.07	7.62	3	Vertical	227	1.76	-	48.31	31.17	5.83	29.38
PK	7.31364G	51.21	74.00	-22.79	13.40	3	Vertical	328	1.55	-	37.81	36.29	7.47	30.36

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2437MHz_TX

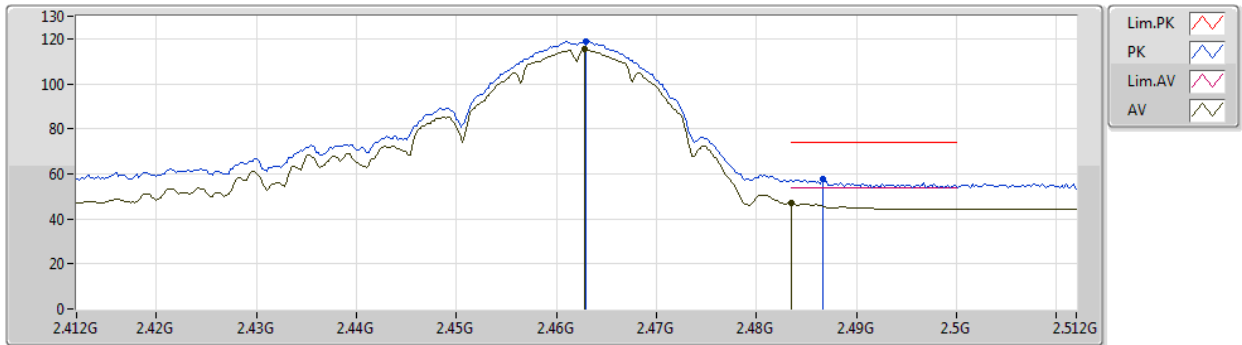


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87396G	44.51	54.00	-9.49	7.62	3	Horizontal	212	1.43	-	36.89	31.17	5.83	29.38
AV	7.3119G	37.45	54.00	-16.55	13.41	3	Horizontal	15	2.49	-	24.04	36.29	7.48	30.36
PK	4.87404G	49.69	74.00	-24.31	7.62	3	Horizontal	212	1.43	-	42.07	31.17	5.83	29.38
PK	7.30122G	50.38	74.00	-23.62	13.45	3	Horizontal	15	2.49	-	36.93	36.30	7.50	30.35

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2462MHz_TX

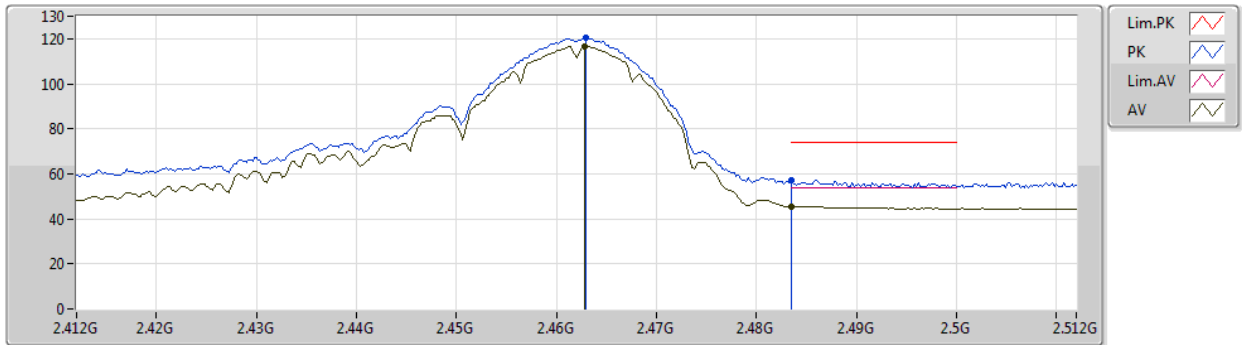


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	24628G	115.20	Inf	-Inf	31.44	3	Vertical	123	1.67	-	83.76	27.37	4.07	-
AV	24835G	46.97	54.00	-7.03	31.41	3	Vertical	123	1.67	-	15.56	27.33	4.08	-
PK	2463G	119.02	Inf	-Inf	31.44	3	Vertical	123	1.67	-	87.58	27.37	4.07	-
PK	24866G	57.48	74.00	-16.52	31.42	3	Vertical	123	1.67	-	26.06	27.33	4.09	-

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2462MHz_TX

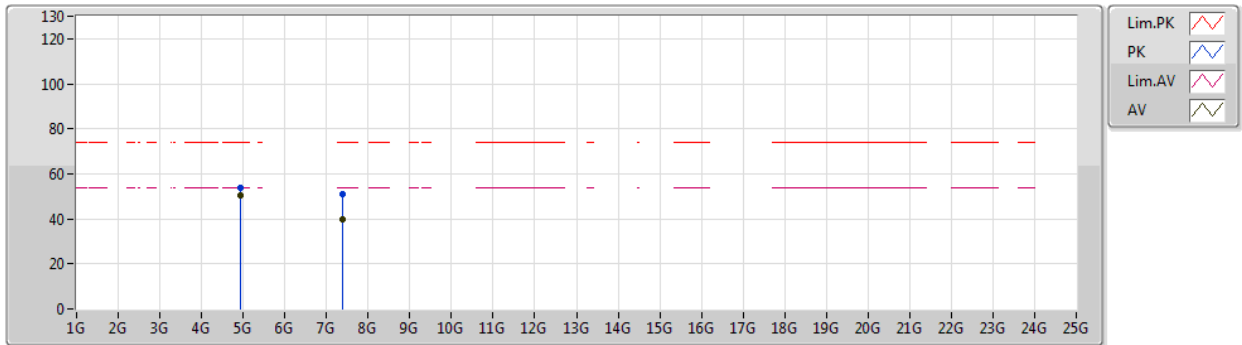


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	116.72	Inf	-Inf	31.44	3	Horizontal	306	1.36	-	85.28	27.37	4.07	-
AV	2.4835G	45.57	54.00	-8.43	31.41	3	Horizontal	306	1.36	-	14.16	27.33	4.08	-
PK	2.463G	120.57	Inf	-Inf	31.44	3	Horizontal	306	1.36	-	89.13	27.37	4.07	-
PK	2.4835G	57.42	74.00	-16.58	31.41	3	Horizontal	306	1.36	-	26.01	27.33	4.08	-

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2462MHz_TX

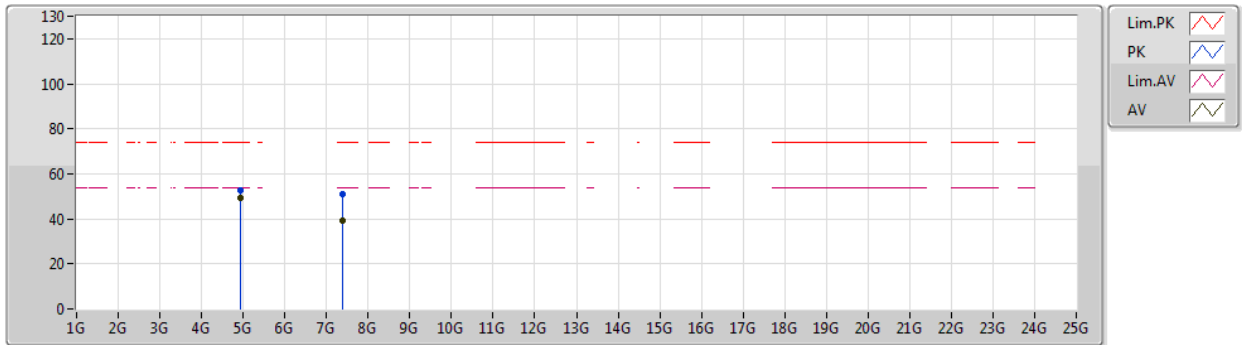


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92399G	50.64	54.00	-3.36	7.79	3	Vertical	299	1.58	-	42.85	31.27	5.87	29.35
AV	7.38672G	39.84	54.00	-14.16	13.13	3	Vertical	256	1.59	-	26.71	36.21	7.34	30.42
PK	4.92397G	53.61	74.00	-20.39	7.79	3	Vertical	299	1.58	-	45.82	31.27	5.87	29.35
PK	7.38672G	51.19	74.00	-22.81	13.13	3	Vertical	256	1.59	-	38.06	36.21	7.34	30.42

802.11b_Nss1,(1Mbps)_4TX

06/01/2020

2462MHz_TX

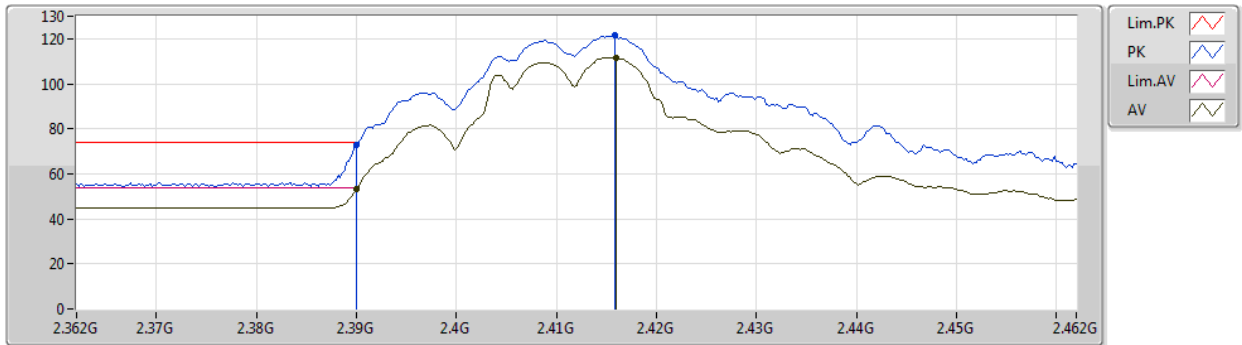


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	49.45	54.00	-4.55	7.79	3	Horizontal	284	2.83	-	41.66	31.27	5.87	29.35
AV	7.38678G	39.28	54.00	-14.72	13.13	3	Horizontal	329	1.39	-	26.15	36.21	7.34	30.42
PK	4.92392G	52.48	74.00	-21.52	7.79	3	Horizontal	284	2.83	-	44.69	31.27	5.87	29.35
PK	7.38636G	50.75	74.00	-23.25	13.13	3	Horizontal	329	1.39	-	37.62	36.21	7.34	30.42

802.11g_Nss1,(6Mbps)_4TX

06/01/2020

2412MHz_TX

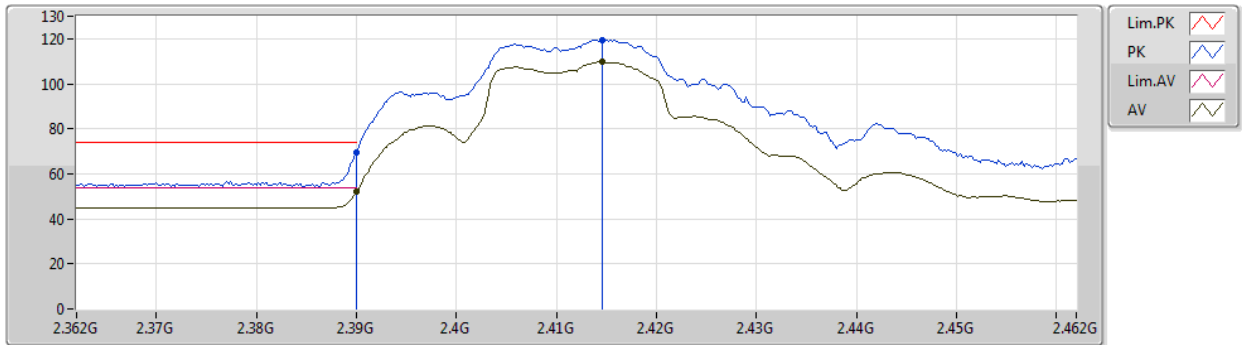


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.48	54.00	-0.52	31.54	3	Vertical	109	1.84	-	21.94	27.54	4.00	-
AV	2.416G	111.67	Inf	-Inf	31.49	3	Vertical	109	1.84	-	80.18	27.47	4.02	-
PK	2.39G	72.91	74.00	-1.09	31.54	3	Vertical	109	1.84	-	41.37	27.54	4.00	-
PK	2.4158G	121.43	Inf	-Inf	31.49	3	Vertical	109	1.84	-	89.94	27.47	4.02	-

802.11g_Nss1,(6Mbps)_4TX

06/01/2020

2412MHz_TX

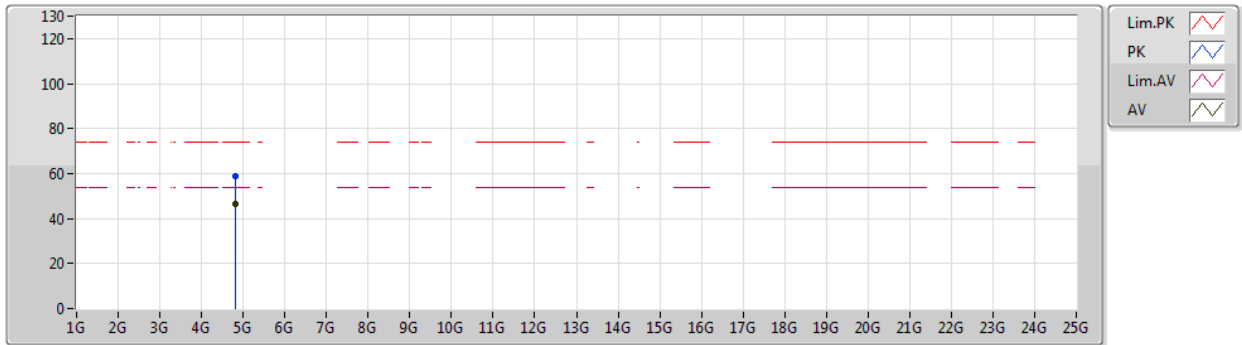


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.88	54.00	-2.12	31.54	3	Horizontal	285	1.73	-	20.34	27.54	4.00	-
AV	2.4146G	109.70	Inf	-Inf	31.49	3	Horizontal	285	1.73	-	78.21	27.47	4.02	-
PK	2.39G	69.45	74.00	-4.55	31.54	3	Horizontal	285	1.73	-	37.91	27.54	4.00	-
PK	2.4146G	119.53	Inf	-Inf	31.49	3	Horizontal	285	1.73	-	88.04	27.47	4.02	-

802.11g_Nss1,(6Mbps)_4TX

06/01/2020

2412MHz_TX

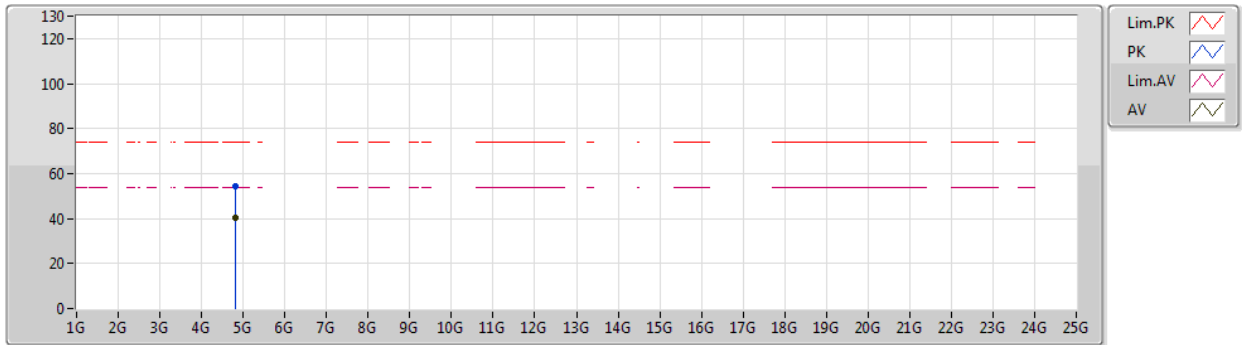


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82004G	46.26	54.00	-7.74	7.51	3	Vertical	257	1.79	-	38.75	31.12	5.79	29.40
PK	4.82148G	59.08	74.00	-14.92	7.51	3	Vertical	257	1.79	-	51.57	31.12	5.79	29.40

802.11g_Nss1,(6Mbps)_4TX

06/01/2020

2412MHz_TX

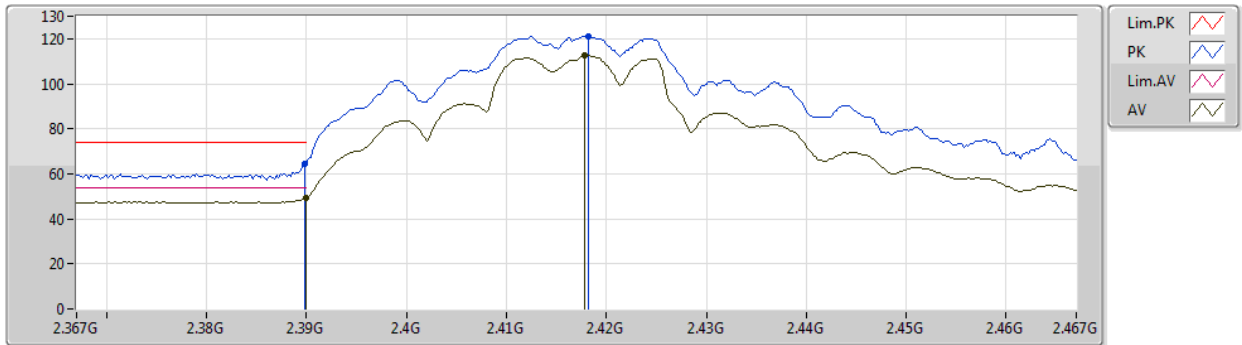


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.81692G	40.51	54.00	-13.49	7.51	3	Horizontal	286	1.50	-	33.00	31.12	5.79	29.40
PK	4.81788G	54.25	74.00	-19.75	7.51	3	Horizontal	286	1.50	-	46.74	31.12	5.79	29.40

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2417MHz_TX

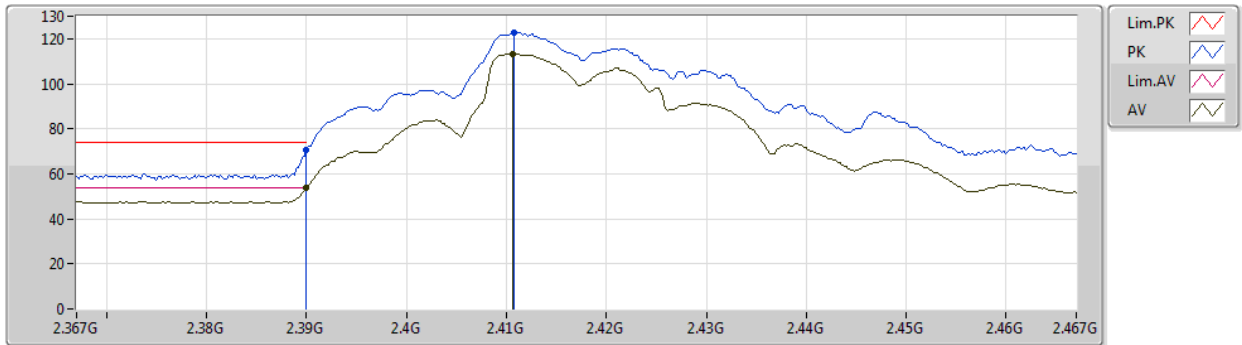


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.52	54.00	-4.48	34.97	3	Vertical	96	1.78	-	14.55	27.64	7.33	-
AV	2.4178G	112.48	Inf	-Inf	34.92	3	Vertical	96	1.78	-	77.56	27.58	7.34	-
PK	2.3898G	64.64	74.00	-9.36	34.97	3	Vertical	96	1.78	-	29.67	27.64	7.33	-
PK	2.4182G	121.31	Inf	-Inf	34.92	3	Vertical	96	1.78	-	86.39	27.58	7.34	-

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2417MHz_TX

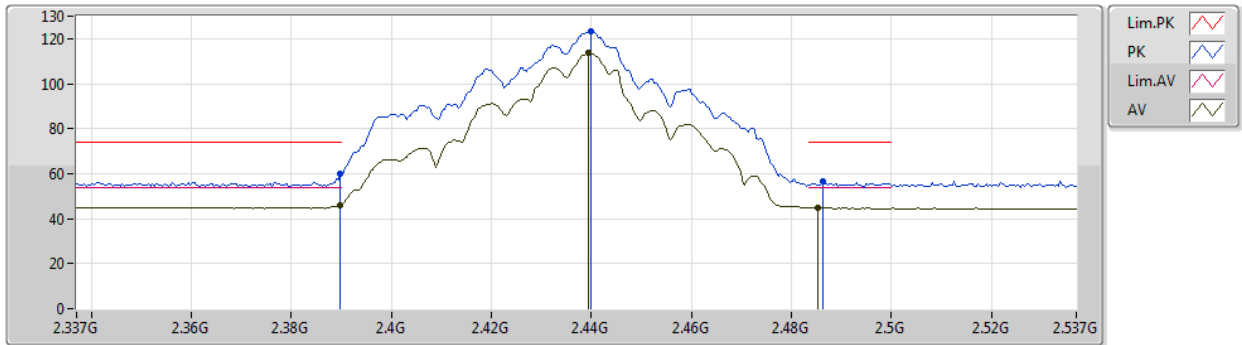


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.73	54.00	-0.27	34.97	3	Horizontal	258	1.90	-	18.76	27.64	7.33	-
AV	2.4106G	113.36	Inf	-Inf	34.93	3	Horizontal	258	1.90	-	78.43	27.59	7.34	-
PK	2.39G	70.43	74.00	-3.57	34.97	3	Horizontal	258	1.90	-	35.46	27.64	7.33	-
PK	2.4108G	122.68	Inf	-Inf	34.93	3	Horizontal	258	1.90	-	87.75	27.59	7.34	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

07/01/2020

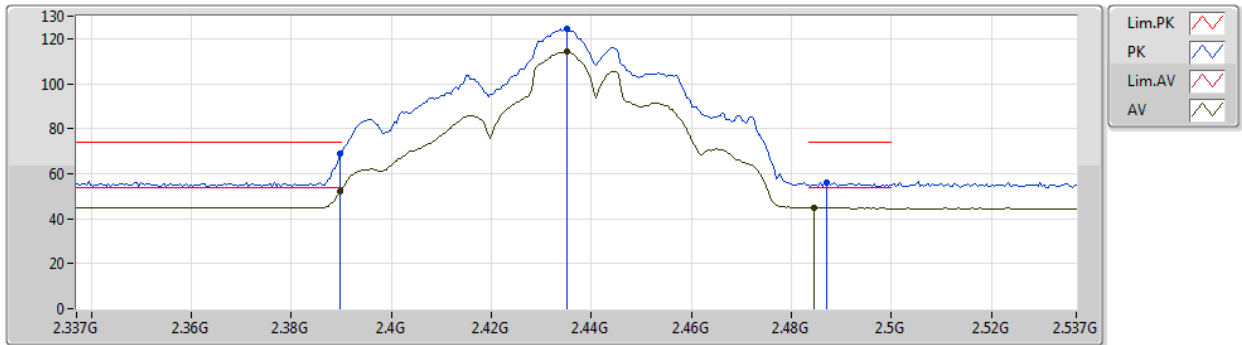


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	46.05	54.00	-7.95	31.54	3	Vertical	360	2.08	-	14.51	27.54	4.00	-
AV	2.4394G	113.48	Inf	-Inf	31.46	3	Vertical	360	2.08	-	82.02	27.42	4.04	-
AV	2.4854G	44.79	54.00	-9.21	31.42	3	Vertical	360	2.08	-	13.37	27.33	4.09	-
PK	2.3898G	59.91	74.00	-14.09	31.54	3	Vertical	360	2.08	-	28.37	27.54	4.00	-
PK	2.4398G	123.22	Inf	-Inf	31.46	3	Vertical	360	2.08	-	91.76	27.42	4.04	-
PK	2.4862G	56.43	74.00	-17.57	31.42	3	Vertical	360	2.08	-	25.01	27.33	4.09	-

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2437MHz_TX

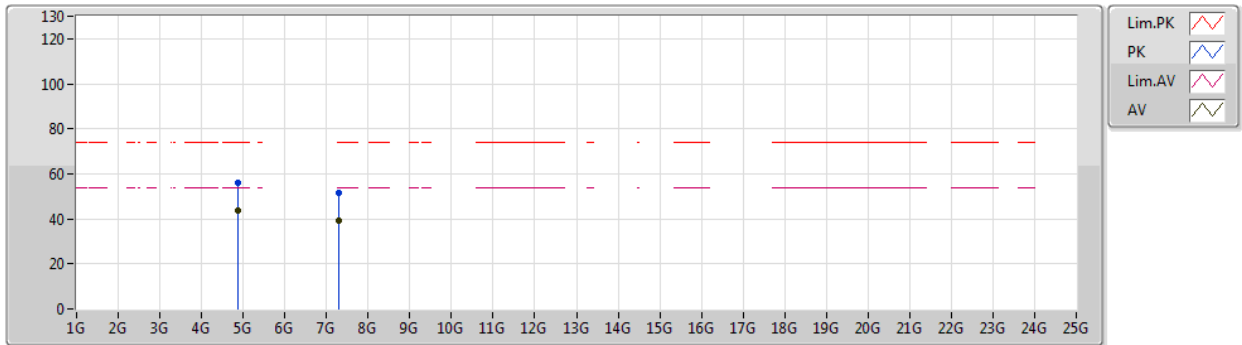


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.05	54.00	-1.95	31.54	3	Horizontal	255	1.73	-	20.51	27.54	4.00	-
AV	2.435G	114.32	Inf	-Inf	31.47	3	Horizontal	255	1.73	-	82.85	27.43	4.04	-
AV	2.4846G	44.95	54.00	-9.05	31.42	3	Horizontal	255	1.73	-	13.53	27.33	4.09	-
PK	2.3898G	69.11	74.00	-4.89	31.54	3	Horizontal	255	1.73	-	37.57	27.54	4.00	-
PK	2.435G	124.17	Inf	-Inf	31.47	3	Horizontal	255	1.73	-	92.70	27.43	4.04	-
PK	2.487G	56.09	74.00	-17.91	31.42	3	Horizontal	255	1.73	-	24.67	27.33	4.09	-

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2437MHz_TX

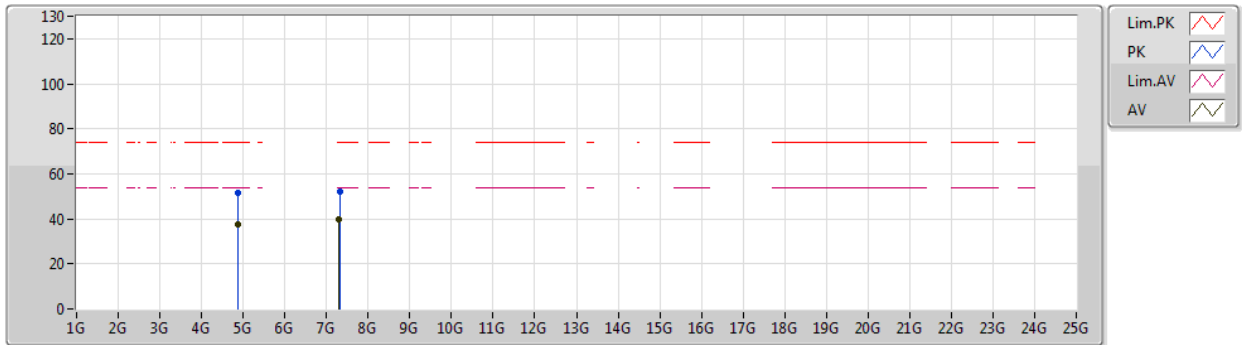


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8771G	43.52	54.00	-10.48	7.63	3	Vertical	294	1.79	-	35.89	31.18	5.83	29.38
AV	7.3095G	38.99	54.00	-15.01	13.41	3	Vertical	305	1.47	-	25.58	36.29	7.48	30.36
PK	4.879G	56.06	74.00	-17.94	7.63	3	Vertical	294	1.79	-	48.43	31.18	5.83	29.38
PK	7.3086G	51.81	74.00	-22.19	13.41	3	Vertical	305	1.47	-	38.40	36.29	7.48	30.36

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2437MHz_TX

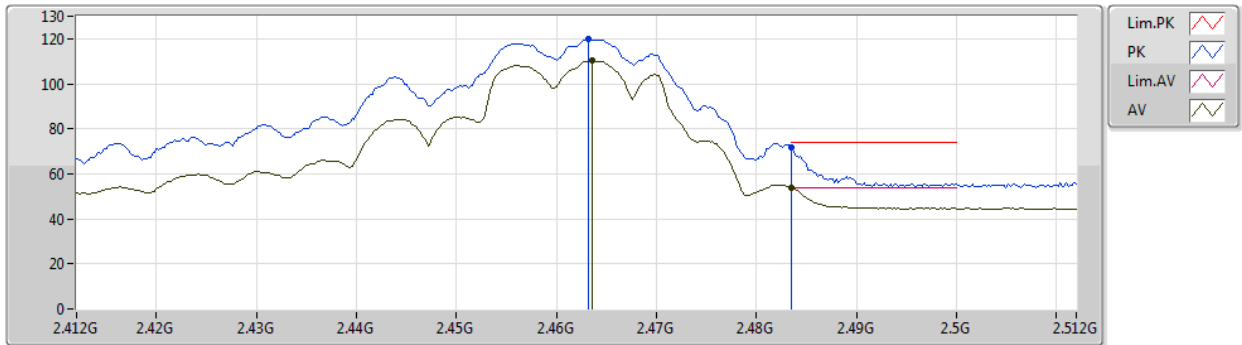


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.86998G	37.63	54.00	-16.37	7.62	3	Horizontal	313	1.10	-	30.01	31.17	5.83	29.38
AV	7.30944G	39.54	54.00	-14.46	13.41	3	Horizontal	286	1.72	-	26.13	36.29	7.48	30.36
PK	4.87148G	51.78	74.00	-22.22	7.62	3	Horizontal	313	1.10	-	44.16	31.17	5.83	29.38
PK	7.31034G	52.30	74.00	-21.70	13.41	3	Horizontal	286	1.72	-	38.89	36.29	7.48	30.36

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2462MHz_TX

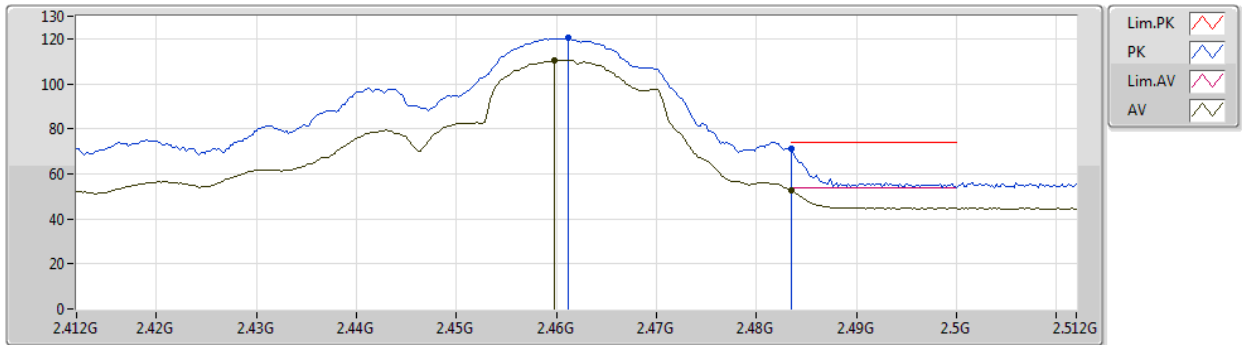


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4636G	110.23	Inf	-Inf	31.44	3	Vertical	101	1.66	-	78.79	27.37	4.07	-
AV	2.4835G	53.70	54.00	-0.30	31.41	3	Vertical	101	1.66	-	22.29	27.33	4.08	-
PK	2.4632G	119.77	Inf	-Inf	31.44	3	Vertical	101	1.66	-	88.33	27.37	4.07	-
PK	2.4835G	71.67	74.00	-2.33	31.41	3	Vertical	101	1.66	-	40.26	27.33	4.08	-

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2462MHz_TX

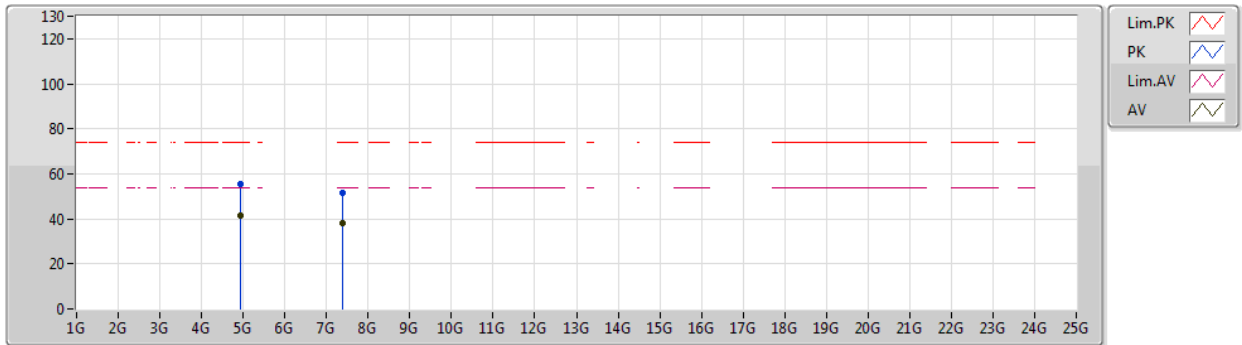


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4598G	110.50	Inf	-Inf	31.44	3	Horizontal	281	1.73	-	79.06	27.38	4.06	-
AV	2.4835G	52.64	54.00	-1.36	31.41	3	Horizontal	281	1.73	-	21.23	27.33	4.08	-
PK	2.4612G	120.20	Inf	-Inf	31.44	3	Horizontal	281	1.73	-	88.76	27.38	4.06	-
PK	2.4835G	71.08	74.00	-2.92	31.41	3	Horizontal	281	1.73	-	39.67	27.33	4.08	-

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2462MHz_TX

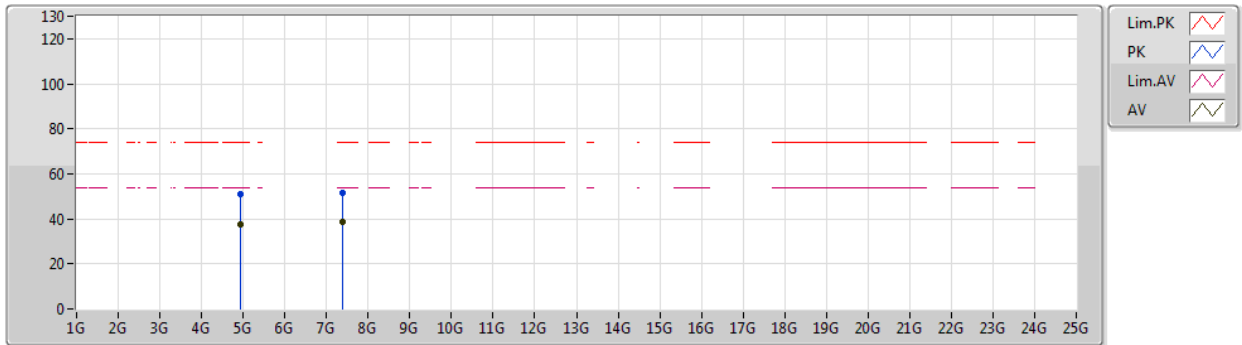


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92646G	41.22	54.00	-12.78	7.80	3	Vertical	291	1.64	-	33.42	31.28	5.87	29.35
AV	7.38222G	38.22	54.00	-15.78	13.15	3	Vertical	252	1.63	-	25.07	36.22	7.35	30.42
PK	4.92862G	55.22	74.00	-18.78	7.81	3	Vertical	291	1.64	-	47.41	31.29	5.87	29.35
PK	7.3947G	51.41	74.00	-22.59	13.10	3	Vertical	252	1.63	-	38.31	36.21	7.32	30.43

802.11g_Nss1,(6Mbps)_4TX

07/01/2020

2462MHz_TX

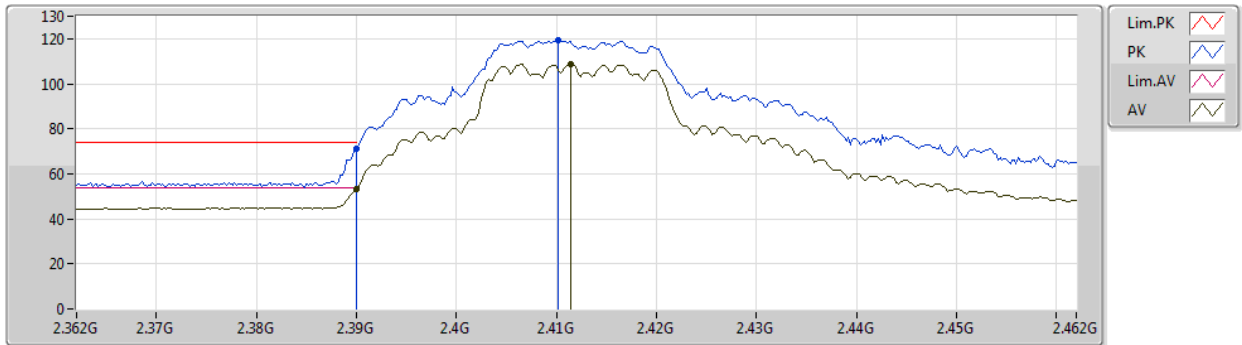


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9359G	37.73	54.00	-16.27	7.83	3	Horizontal	284	1.71	-	29.90	31.31	5.87	29.35
AV	7.38228G	38.40	54.00	-15.60	13.15	3	Horizontal	286	1.67	-	25.25	36.22	7.35	30.42
PK	4.9351G	51.18	74.00	-22.82	7.83	3	Horizontal	284	1.71	-	43.35	31.31	5.87	29.35
PK	7.38582G	51.44	74.00	-22.56	13.13	3	Horizontal	286	1.67	-	38.31	36.21	7.34	30.42

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

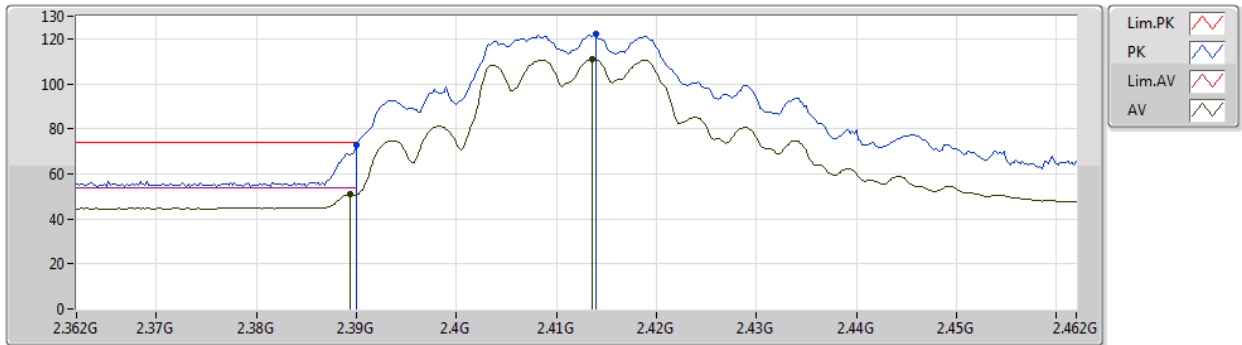


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.22	54.00	-0.78	31.54	3	Vertical	104	1.90	-	21.68	27.54	4.00	-
AV	2.4114G	108.74	Inf	-Inf	31.50	3	Vertical	104	1.90	-	77.24	27.48	4.02	-
PK	2.39G	71.13	74.00	-2.87	31.54	3	Vertical	104	1.90	-	39.59	27.54	4.00	-
PK	2.4102G	119.40	Inf	-Inf	31.50	3	Vertical	104	1.90	-	87.90	27.48	4.02	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

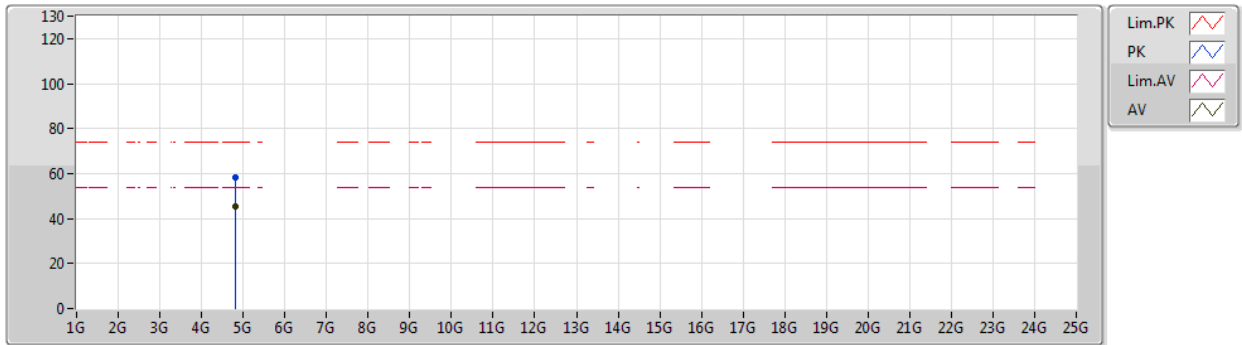


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	51.06	54.00	-2.94	31.54	3	Horizontal	258	1.76	-	19.52	27.54	4.00	-
AV	2.4136G	110.83	Inf	-Inf	31.49	3	Horizontal	258	1.76	-	79.34	27.47	4.02	-
PK	2.39G	72.90	74.00	-1.10	31.54	3	Horizontal	258	1.76	-	41.36	27.54	4.00	-
PK	2.414G	122.10	Inf	-Inf	31.49	3	Horizontal	258	1.76	-	90.61	27.47	4.02	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

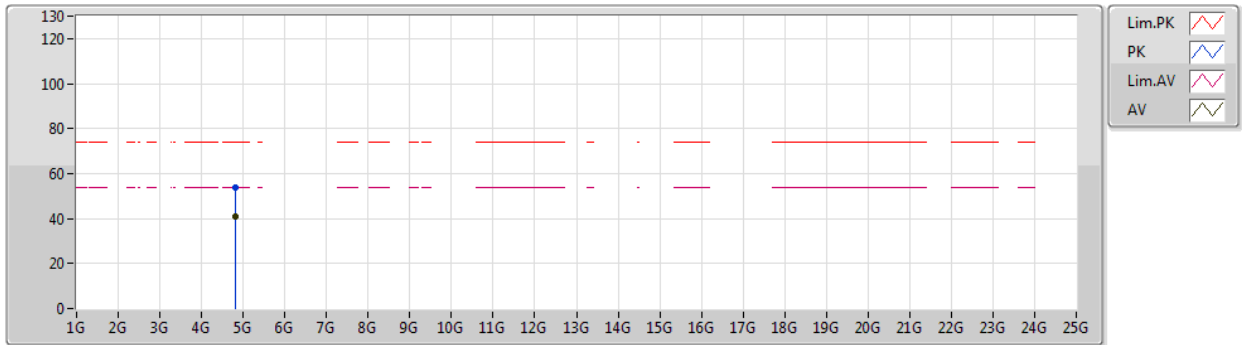


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8258G	45.43	54.00	-8.57	7.52	3	Vertical	293	1.81	-	37.91	31.13	5.79	29.40
PK	4.8261G	58.30	74.00	-15.70	7.52	3	Vertical	293	1.81	-	50.78	31.13	5.79	29.40

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

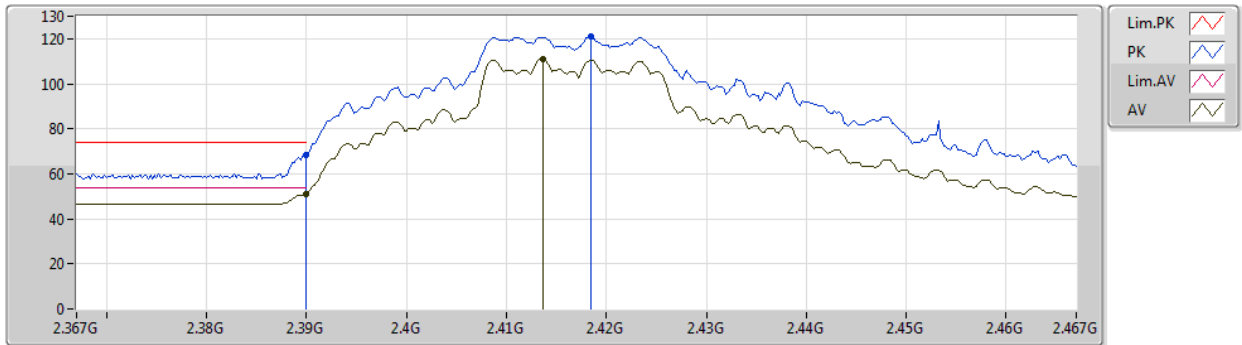


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8255G	41.05	54.00	-12.95	7.52	3	Horizontal	286	1.45	-	33.53	31.13	5.79	29.40
PK	4.8258G	53.74	74.00	-20.26	7.52	3	Horizontal	286	1.45	-	46.22	31.13	5.79	29.40

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2417MHz_TX

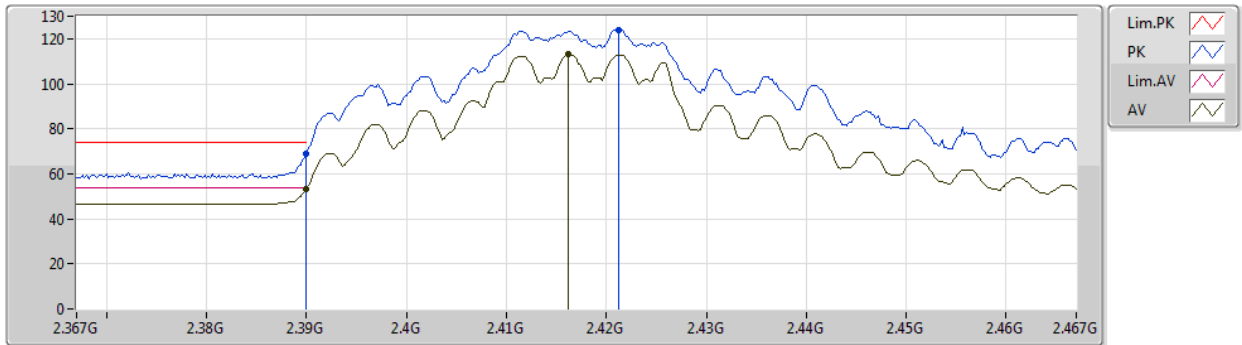


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.08	54.00	-2.92	34.97	3	Vertical	359	1.50	-	16.11	27.64	7.33	-
AV	2.4136G	110.88	Inf	-Inf	34.93	3	Vertical	359	1.50	-	75.95	27.59	7.34	-
PK	2.39G	68.56	74.00	-5.44	34.97	3	Vertical	359	1.50	-	33.59	27.64	7.33	-
PK	2.4184G	120.88	Inf	-Inf	34.92	3	Vertical	359	1.50	-	85.96	27.58	7.34	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2417MHz_TX

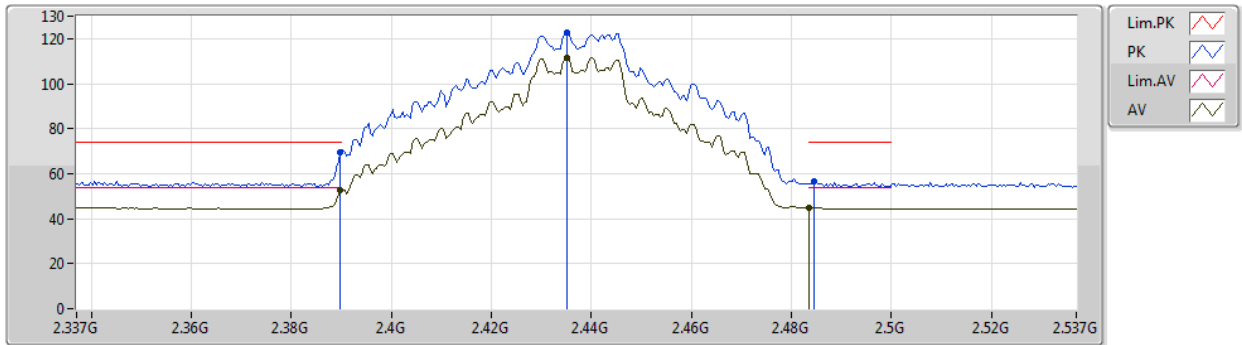


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.44	54.00	-0.56	34.97	3	Horizontal	269	1.91	-	18.47	27.64	7.33	-
AV	2.4162G	112.96	Inf	-Inf	34.92	3	Horizontal	269	1.91	-	78.04	27.58	7.34	-
PK	2.39G	69.05	74.00	-4.95	34.97	3	Horizontal	269	1.91	-	34.08	27.64	7.33	-
PK	2.4212G	124.05	Inf	-Inf	34.92	3	Horizontal	269	1.91	-	89.13	27.58	7.34	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

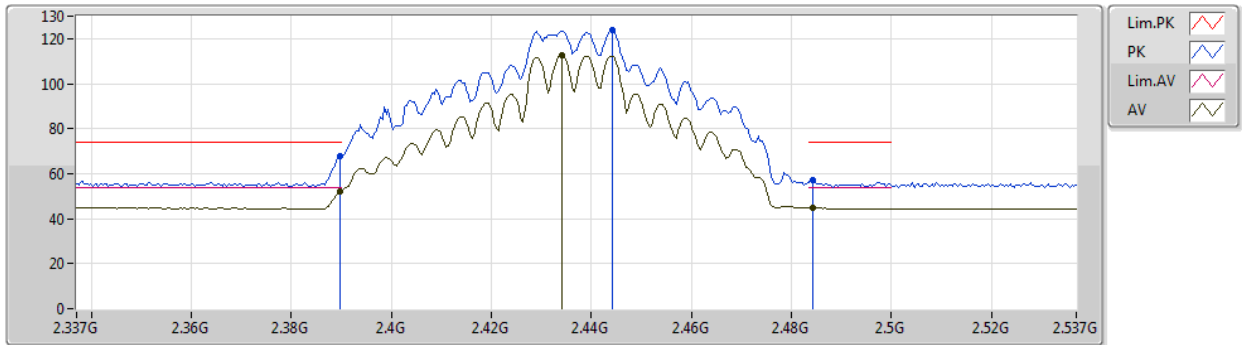


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.43	54.00	-1.57	31.54	3	Vertical	6	1.74	-	20.89	27.54	4.00	-
AV	2.435G	111.50	Inf	-Inf	31.47	3	Vertical	6	1.74	-	80.03	27.43	4.04	-
AV	2.4835G	44.94	54.00	-9.06	31.41	3	Vertical	6	1.74	-	13.53	27.33	4.08	-
PK	2.3898G	69.24	74.00	-4.76	31.54	3	Vertical	6	1.74	-	37.70	27.54	4.00	-
PK	2.435G	122.73	Inf	-Inf	31.47	3	Vertical	6	1.74	-	91.26	27.43	4.04	-
PK	2.4846G	56.35	74.00	-17.65	31.42	3	Vertical	6	1.74	-	24.93	27.33	4.09	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

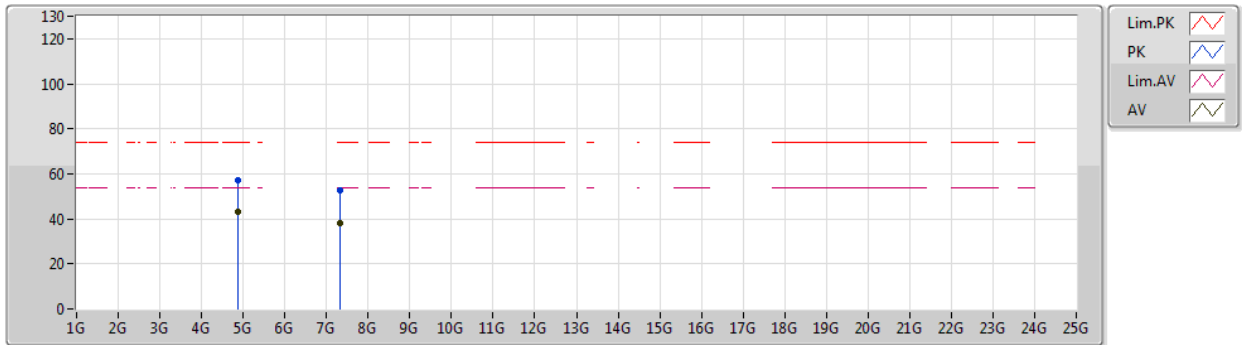


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.05	54.00	-1.95	31.54	3	Horizontal	269	1.50	-	20.51	27.54	4.00	-
AV	2.4342G	112.56	Inf	-Inf	31.47	3	Horizontal	269	1.50	-	81.09	27.43	4.04	-
AV	2.4842G	45.00	54.00	-9.00	31.42	3	Horizontal	269	1.50	-	13.58	27.33	4.09	-
PK	2.3898G	68.05	74.00	-5.95	31.54	3	Horizontal	269	1.50	-	36.51	27.54	4.00	-
PK	2.4442G	123.56	Inf	-Inf	31.46	3	Horizontal	269	1.50	-	92.10	27.41	4.05	-
PK	2.4842G	57.12	74.00	-16.88	31.42	3	Horizontal	269	1.50	-	25.70	27.33	4.09	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

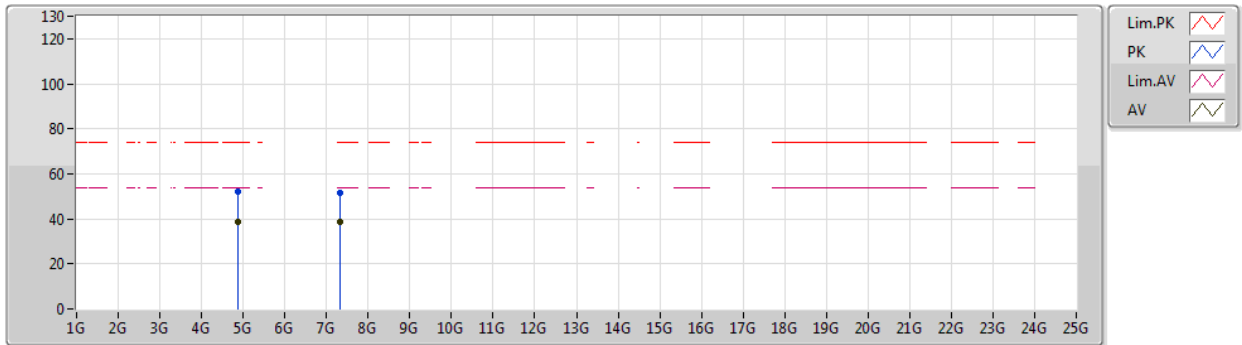


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87598G	43.06	54.00	-10.94	7.63	3	Vertical	293	1.77	-	35.43	31.18	5.83	29.38
AV	7.3107G	38.37	54.00	-15.63	13.41	3	Vertical	304	1.47	-	24.96	36.29	7.48	30.36
PK	4.8854G	57.05	74.00	-16.95	7.66	3	Vertical	293	1.77	-	49.39	31.19	5.84	29.37
PK	7.3156G	52.56	74.00	-21.44	13.39	3	Vertical	304	1.47	-	39.17	36.28	7.47	30.36

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

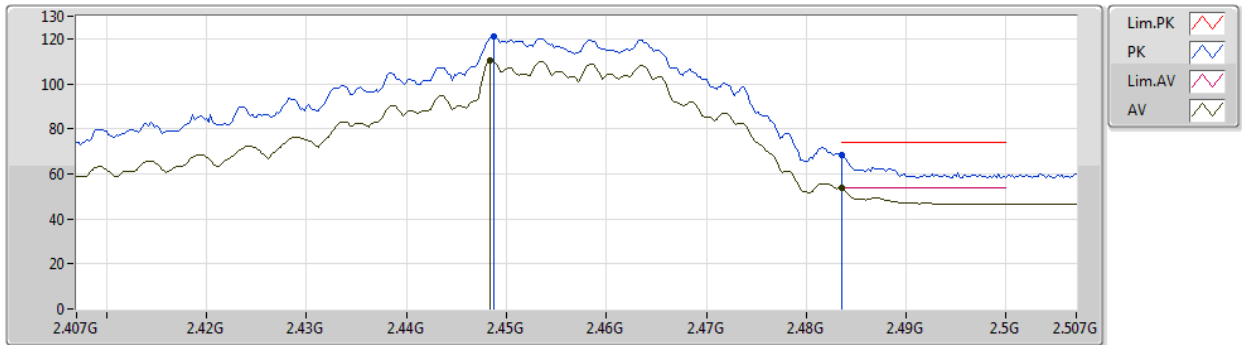


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8762G	38.49	54.00	-15.51	7.63	3	Horizontal	326	1.21	-	30.86	31.18	5.83	29.38
AV	7.3134G	38.51	54.00	-15.49	13.40	3	Horizontal	288	1.50	-	25.11	36.29	7.47	30.36
PK	4.8767G	52.15	74.00	-21.85	7.63	3	Horizontal	326	1.21	-	44.52	31.18	5.83	29.38
PK	7.3131G	51.30	74.00	-22.70	13.40	3	Horizontal	288	1.50	-	37.90	36.29	7.47	30.36

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2457MHz_TX

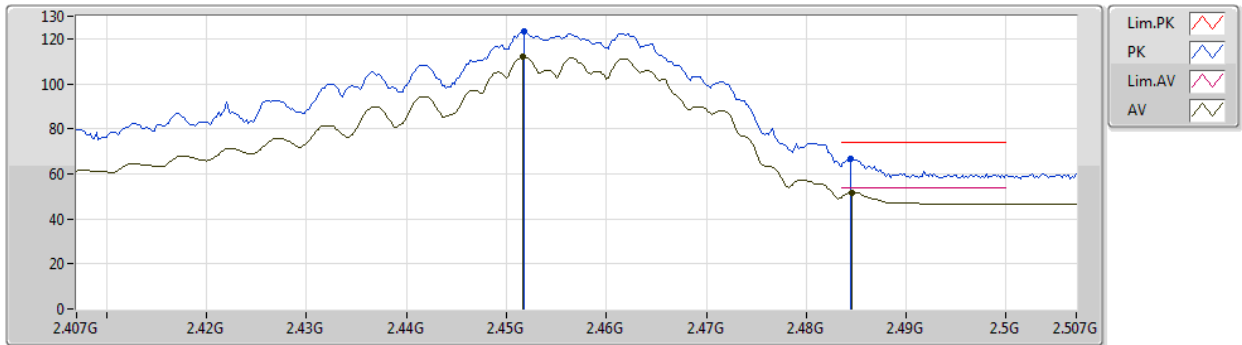


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4484G	110.19	Inf	-Inf	34.90	3	Vertical	355	1.50	-	75.29	27.55	7.35	-
AV	2.4835G	53.61	54.00	-0.39	34.89	3	Vertical	355	1.50	-	18.72	27.52	7.37	-
PK	2.4488G	120.84	Inf	-Inf	34.90	3	Vertical	355	1.50	-	85.94	27.55	7.35	-
PK	2.4835G	68.26	74.00	-5.74	34.89	3	Vertical	355	1.50	-	33.37	27.52	7.37	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2457MHz_TX

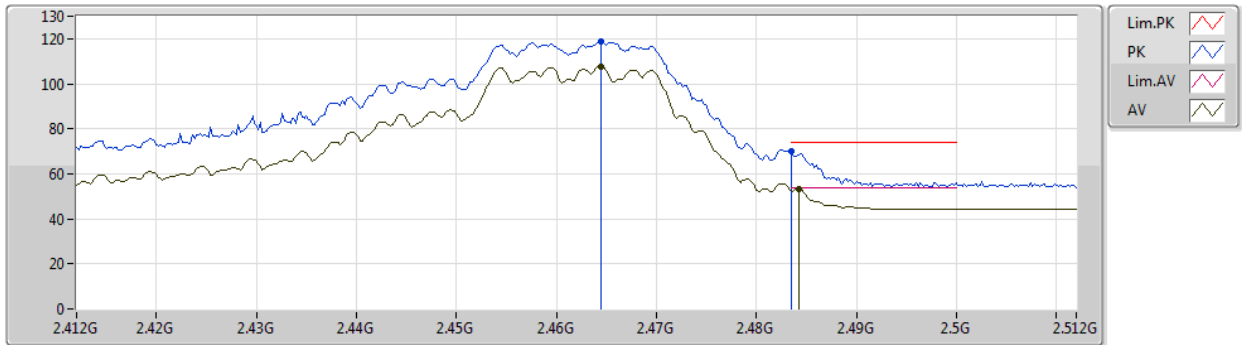


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4516G	112.02	Inf	-Inf	34.90	3	Horizontal	276	1.86	-	77.12	27.55	7.35	-
AV	2.4846G	51.77	54.00	-2.23	34.89	3	Horizontal	276	1.86	-	16.88	27.52	7.37	-
PK	2.4518G	123.19	Inf	-Inf	34.90	3	Horizontal	276	1.86	-	88.29	27.55	7.35	-
PK	2.4844G	66.68	74.00	-7.32	34.89	3	Horizontal	276	1.86	-	31.79	27.52	7.37	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

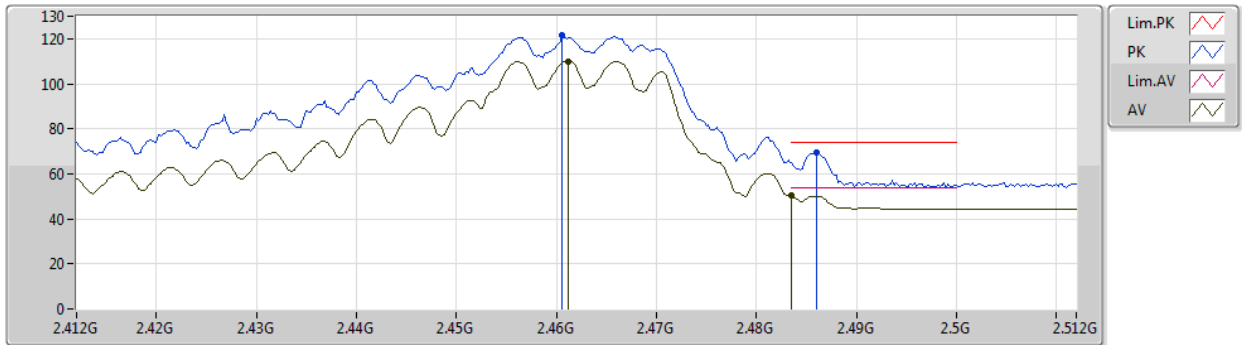


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4644G	107.68	Inf	-Inf	31.44	3	Vertical	348	1.89	-	76.24	27.37	4.07	-
AV	2.4842G	53.23	54.00	-0.77	31.42	3	Vertical	348	1.89	-	21.81	27.33	4.09	-
PK	2.4644G	118.69	Inf	-Inf	31.44	3	Vertical	348	1.89	-	87.25	27.37	4.07	-
PK	2.4835G	69.99	74.00	-4.01	31.41	3	Vertical	348	1.89	-	38.58	27.33	4.08	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

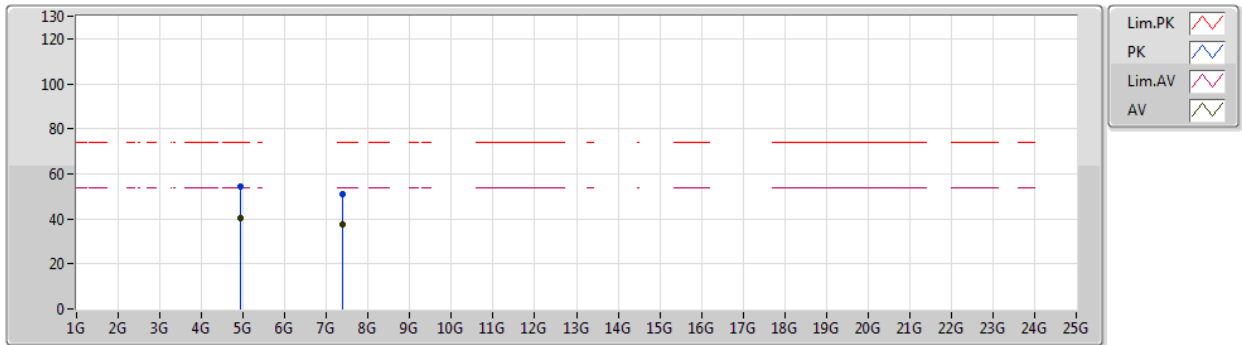


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	110.03	Inf	-Inf	31.44	3	Horizontal	257	1.85	-	78.59	27.38	4.06	-
AV	2.4835G	50.22	54.00	-3.78	31.41	3	Horizontal	257	1.85	-	18.81	27.33	4.08	-
PK	2.4606G	121.42	Inf	-Inf	31.44	3	Horizontal	257	1.85	-	89.98	27.38	4.06	-
PK	2.486G	69.65	74.00	-4.35	31.42	3	Horizontal	257	1.85	-	38.23	27.33	4.09	-

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

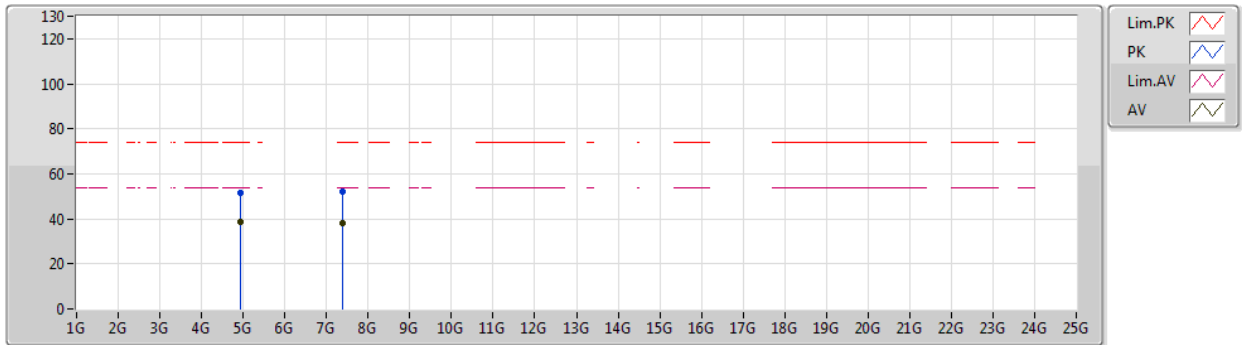


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92568G	40.43	54.00	-13.57	7.80	3	Vertical	291	1.64	-	32.63	31.28	5.87	29.35
AV	7.39038G	37.60	54.00	-16.40	13.11	3	Vertical	232	1.46	-	24.49	36.21	7.33	30.43
PK	4.92676G	54.11	74.00	-19.89	7.80	3	Vertical	291	1.64	-	46.31	31.28	5.87	29.35
PK	7.38564G	51.06	74.00	-22.94	13.13	3	Vertical	232	1.46	-	37.93	36.21	7.34	30.42

VHT20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

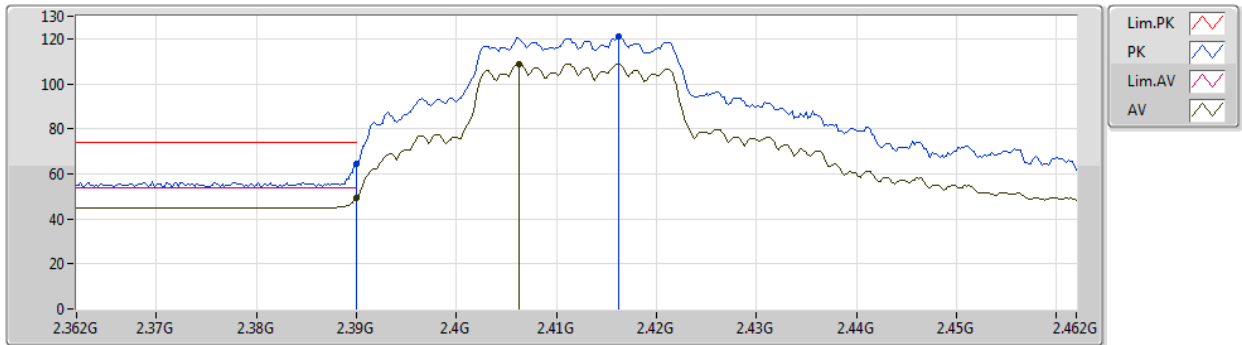


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9256G	38.45	54.00	-15.55	7.80	3	Horizontal	289	1.00	-	30.65	31.28	5.87	29.35
AV	7.39074G	38.03	54.00	-15.97	13.11	3	Horizontal	284	1.68	-	24.92	36.21	7.33	30.43
PK	4.926G	51.39	74.00	-22.61	7.80	3	Horizontal	289	1.00	-	43.59	31.28	5.87	29.35
PK	7.37814G	52.04	74.00	-21.96	13.15	3	Horizontal	284	1.68	-	38.89	36.22	7.35	30.42

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

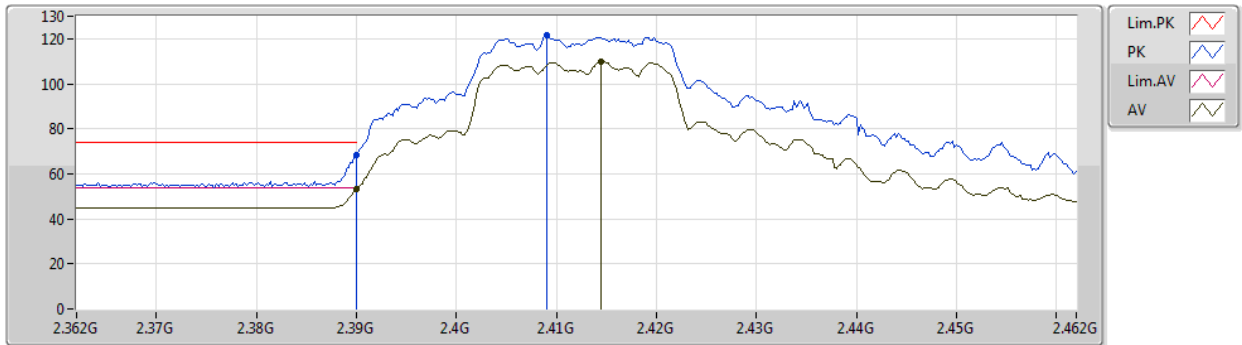


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.17	54.00	-4.83	31.54	3	Vertical	112	1.92	-	17.63	27.54	4.00	-
AV	2.4062G	108.97	Inf	-Inf	31.50	3	Vertical	112	1.92	-	77.47	27.49	4.01	-
PK	2.39G	64.30	74.00	-9.70	31.54	3	Vertical	112	1.92	-	32.76	27.54	4.00	-
PK	2.4162G	121.17	Inf	-Inf	31.49	3	Vertical	112	1.92	-	89.68	27.47	4.02	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

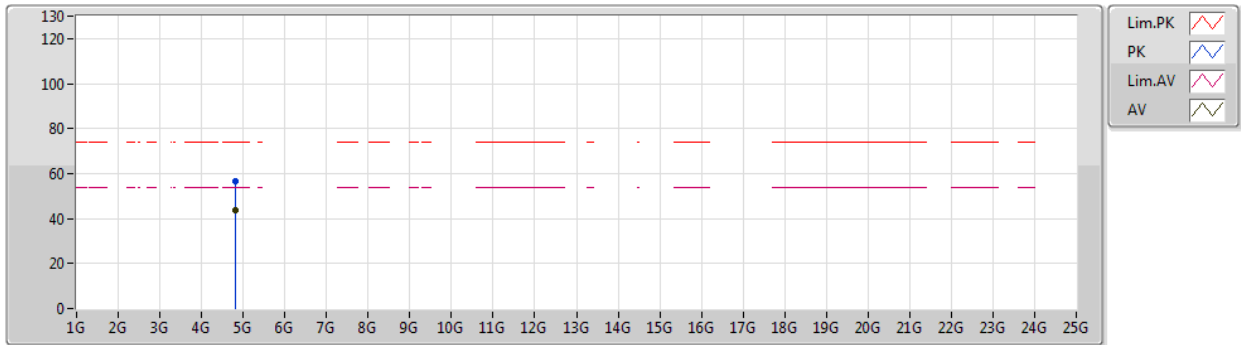


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.47	54.00	-0.53	31.54	3	Horizontal	256	1.74	-	21.93	27.54	4.00	-
AV	2.4144G	109.75	Inf	-Inf	31.49	3	Horizontal	256	1.74	-	78.26	27.47	4.02	-
PK	2.39G	68.38	74.00	-5.62	31.54	3	Horizontal	256	1.74	-	36.84	27.54	4.00	-
PK	2.409G	121.36	Inf	-Inf	31.49	3	Horizontal	256	1.74	-	89.87	27.48	4.01	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

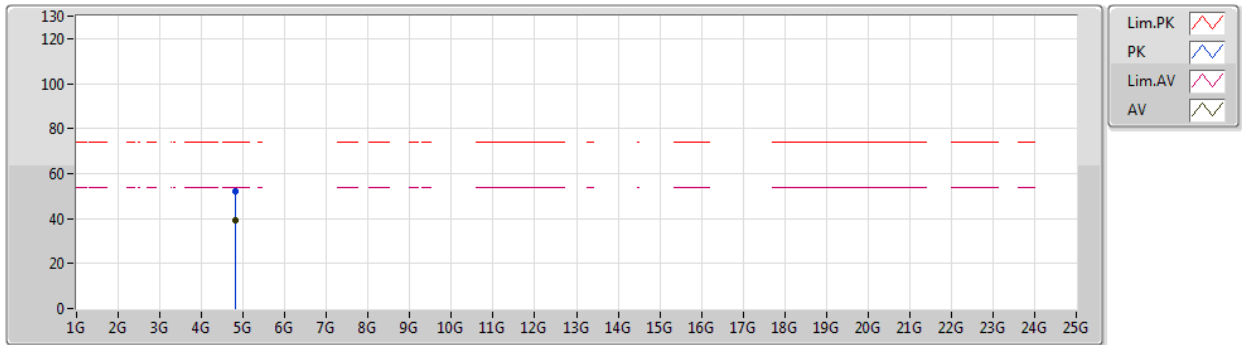


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8256G	43.43	54.00	-10.57	7.52	3	Vertical	294	1.81	-	35.91	31.13	5.79	29.40
PK	4.8205G	56.64	74.00	-17.36	7.51	3	Vertical	294	1.81	-	49.13	31.12	5.79	29.40

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2412MHz_TX

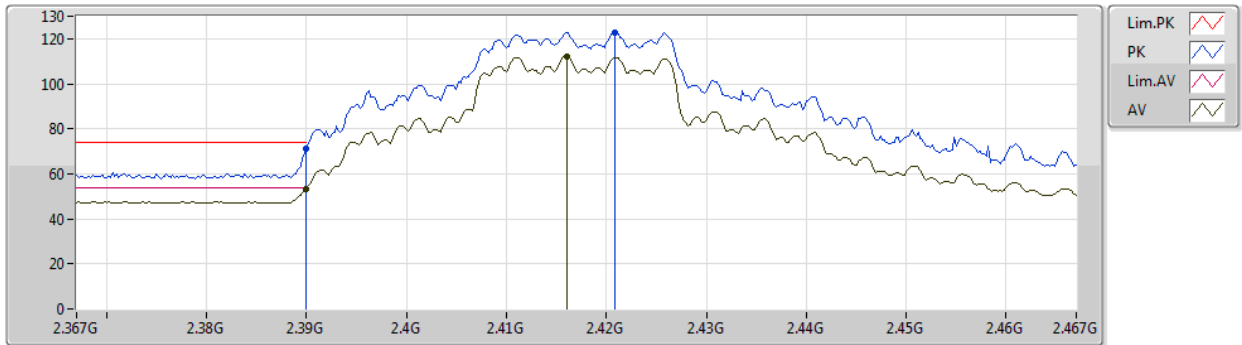


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8255G	39.39	54.00	-14.61	7.52	3	Horizontal	288	1.34	-	31.87	31.13	5.79	29.40
PK	4.8206G	52.03	74.00	-21.97	7.51	3	Horizontal	288	1.34	-	44.52	31.12	5.79	29.40

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2417MHz_TX

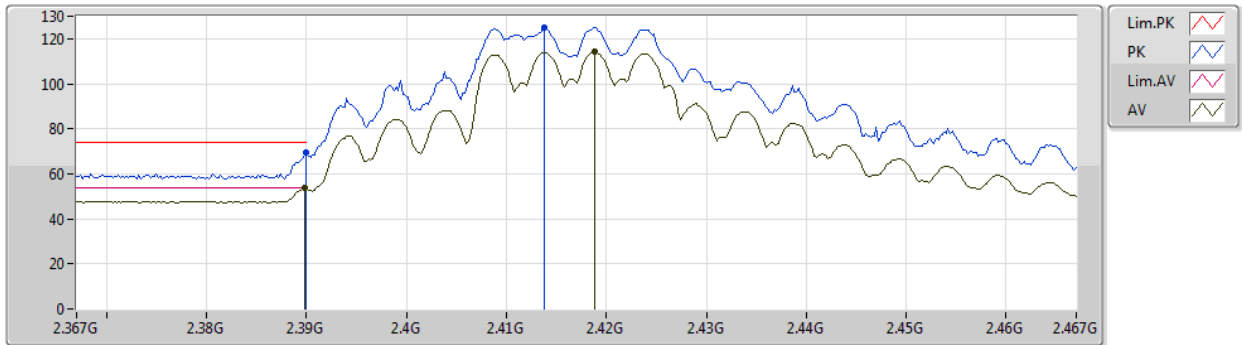


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.26	54.00	-0.74	34.97	3	Vertical	360	1.74	-	18.29	27.64	7.33	-
AV	2.416G	112.07	Inf	-Inf	34.92	3	Vertical	360	1.74	-	77.15	27.58	7.34	-
PK	2.39G	71.42	74.00	-2.58	34.97	3	Vertical	360	1.74	-	36.45	27.64	7.33	-
PK	2.4208G	122.73	Inf	-Inf	34.92	3	Vertical	360	1.74	-	87.81	27.58	7.34	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2417MHz_TX

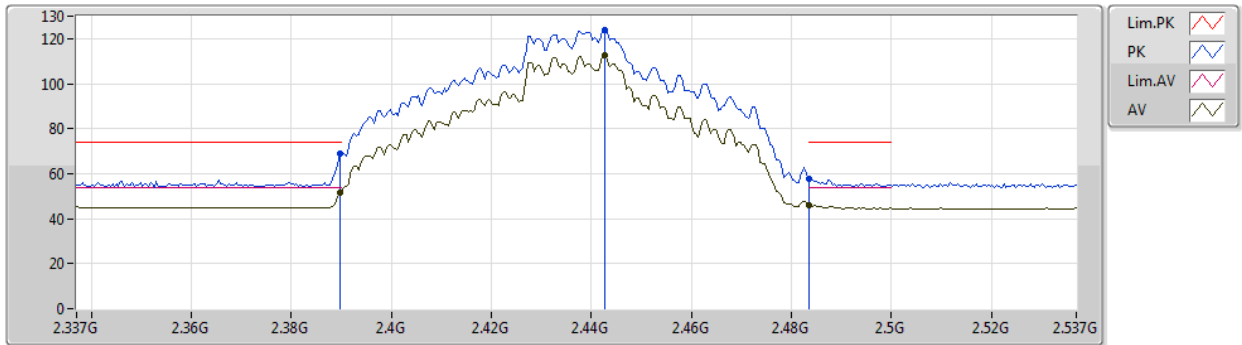


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.67	54.00	-0.33	34.97	3	Horizontal	267	1.91	-	18.70	27.64	7.33	-
AV	2.4188G	114.22	Inf	-Inf	34.92	3	Horizontal	267	1.91	-	79.30	27.58	7.34	-
PK	2.39G	69.41	74.00	-4.59	34.97	3	Horizontal	267	1.91	-	34.44	27.64	7.33	-
PK	2.4138G	125.07	Inf	-Inf	34.93	3	Horizontal	267	1.91	-	90.14	27.59	7.34	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

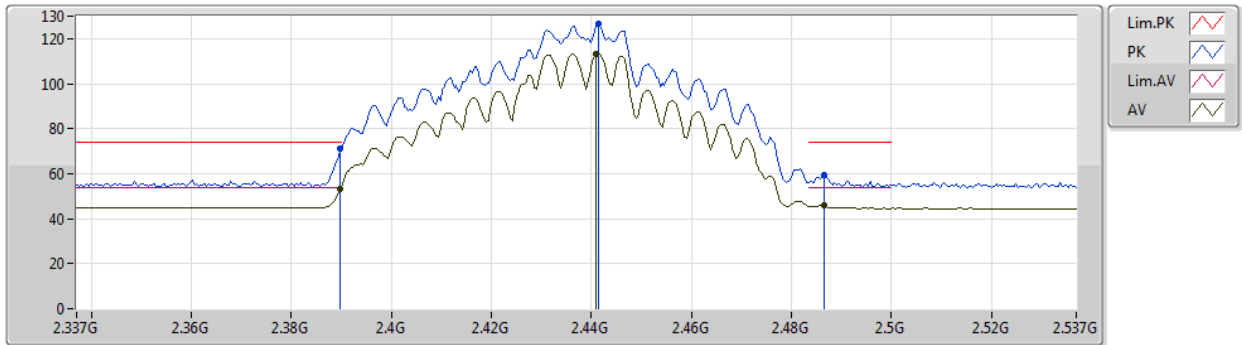


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	51.80	54.00	-2.20	31.54	3	Vertical	0	1.78	-	20.26	27.54	4.00	-
AV	2.4426G	112.77	Inf	-Inf	31.46	3	Vertical	0	1.78	-	81.31	27.41	4.05	-
AV	2.4835G	46.14	54.00	-7.86	31.41	3	Vertical	0	1.78	-	14.73	27.33	4.08	-
PK	2.3898G	68.81	74.00	-5.19	31.54	3	Vertical	0	1.78	-	37.27	27.54	4.00	-
PK	2.4426G	123.91	Inf	-Inf	31.46	3	Vertical	0	1.78	-	92.45	27.41	4.05	-
PK	2.4835G	57.98	74.00	-16.02	31.41	3	Vertical	0	1.78	-	26.57	27.33	4.08	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

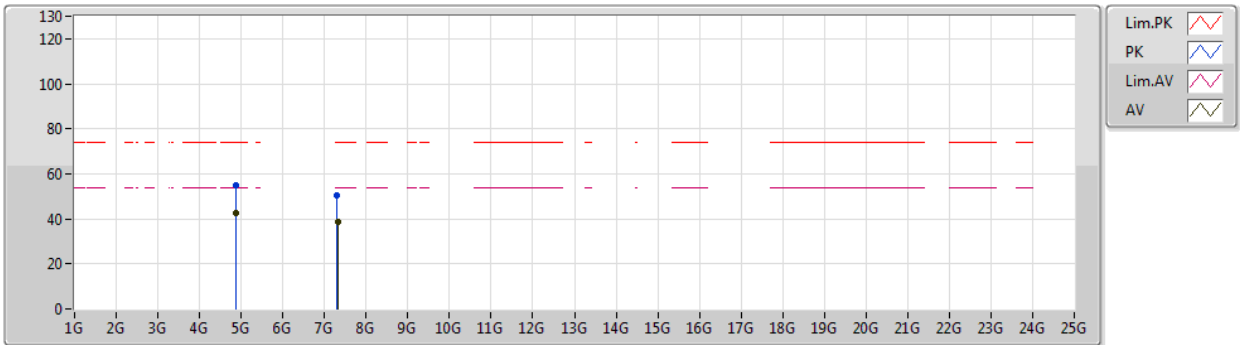


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.49	54.00	-0.51	31.54	3	Horizontal	269	1.50	-	21.95	27.54	4.00	-
AV	2.441G	113.16	Inf	-Inf	31.46	3	Horizontal	269	1.50	-	81.70	27.42	4.04	-
AV	2.4866G	45.92	54.00	-8.08	31.42	3	Horizontal	269	1.50	-	14.50	27.33	4.09	-
PK	2.3898G	71.09	74.00	-2.91	31.54	3	Horizontal	269	1.50	-	39.55	27.54	4.00	-
PK	2.4414G	126.45	Inf	-Inf	31.46	3	Horizontal	269	1.50	-	94.99	27.42	4.04	-
PK	2.4866G	59.65	74.00	-14.35	31.42	3	Horizontal	269	1.50	-	28.23	27.33	4.09	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

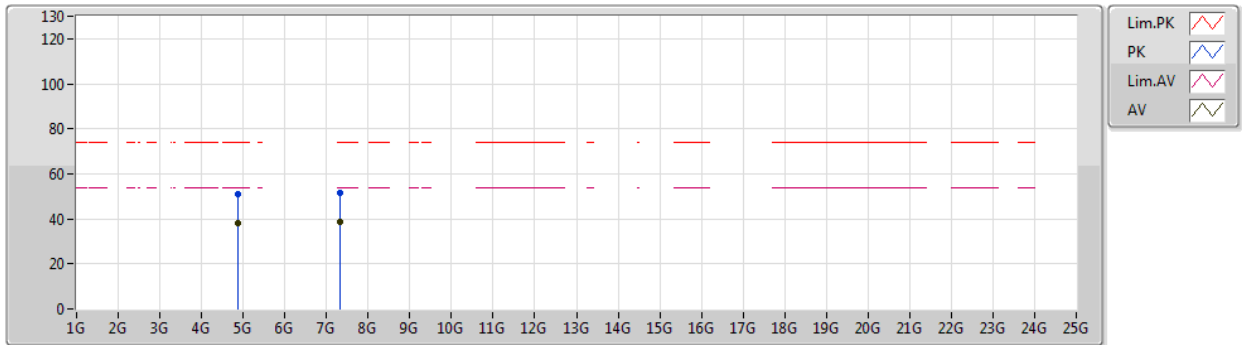


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8763G	42.74	54.00	-11.26	7.63	3	Vertical	293	1.67	-	35.11	31.18	5.83	29.38
AV	7.313G	38.45	54.00	-15.55	13.40	3	Vertical	254	1.50	-	25.05	36.29	7.47	30.36
PK	4.8813G	54.99	74.00	-19.01	7.64	3	Vertical	293	1.67	-	47.35	31.18	5.83	29.37
PK	7.3034G	50.64	74.00	-23.36	13.44	3	Vertical	254	1.50	-	37.20	36.30	7.49	30.35

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

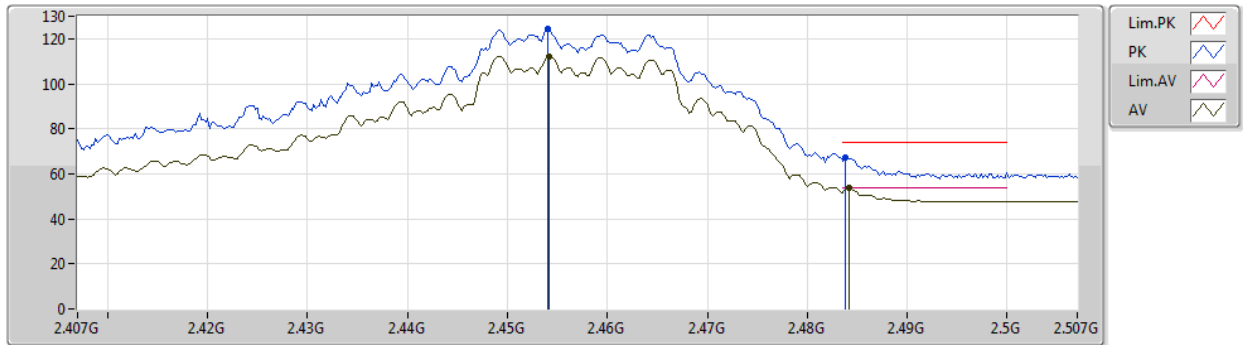


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8765G	38.33	54.00	-15.67	7.63	3	Horizontal	328	1.28	-	30.70	31.18	5.83	29.38
AV	7.3135G	38.67	54.00	-15.33	13.40	3	Horizontal	286	1.68	-	25.27	36.29	7.47	30.36
PK	4.8767G	51.18	74.00	-22.82	7.63	3	Horizontal	328	1.28	-	43.55	31.18	5.83	29.38
PK	7.3152G	51.65	74.00	-22.35	13.39	3	Horizontal	286	1.68	-	38.26	36.28	7.47	30.36

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2457MHz_TX

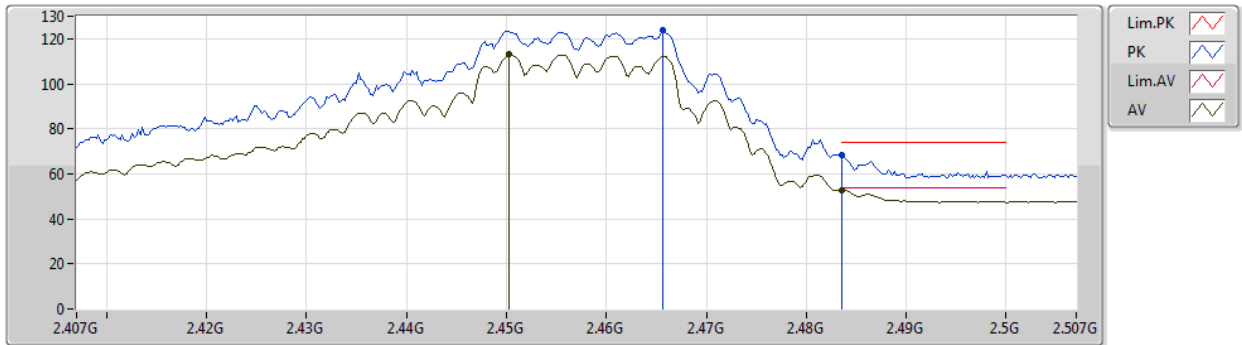


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4542G	112.14	Inf	-Inf	34.90	3	Vertical	335	1.87	-	77.24	27.55	7.35	-
AV	2.4842G	53.69	54.00	-0.31	34.89	3	Vertical	335	1.87	-	18.80	27.52	7.37	-
PK	2.454G	124.25	Inf	-Inf	34.90	3	Vertical	335	1.87	-	89.35	27.55	7.35	-
PK	2.4838G	67.01	74.00	-6.99	34.89	3	Vertical	335	1.87	-	32.12	27.52	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2457MHz_TX

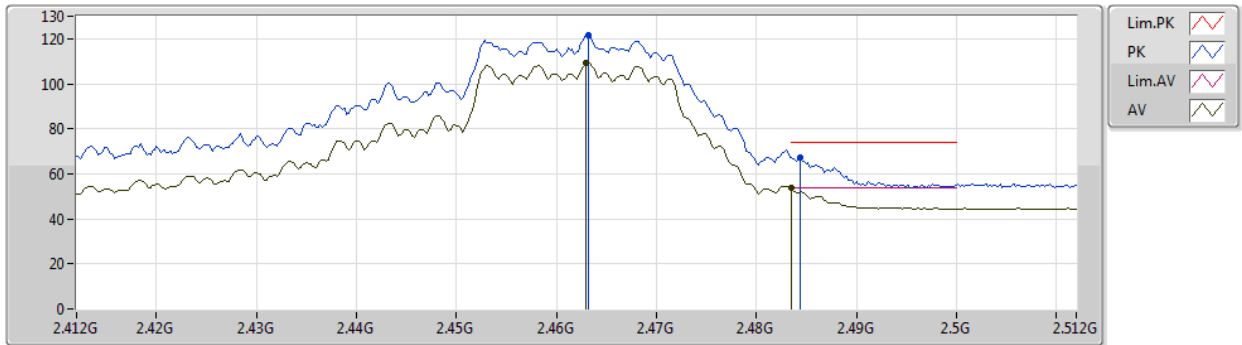


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4502G	112.92	Inf	-Inf	34.90	3	Horizontal	280	1.89	-	78.02	27.55	7.35	-
AV	2.4836G	52.63	54.00	-1.37	34.89	3	Horizontal	280	1.89	-	17.74	27.52	7.37	-
PK	2.4656G	124.10	Inf	-Inf	34.89	3	Horizontal	280	1.89	-	89.21	27.53	7.36	-
PK	2.4835G	68.58	74.00	-5.42	34.89	3	Horizontal	280	1.89	-	33.69	27.52	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

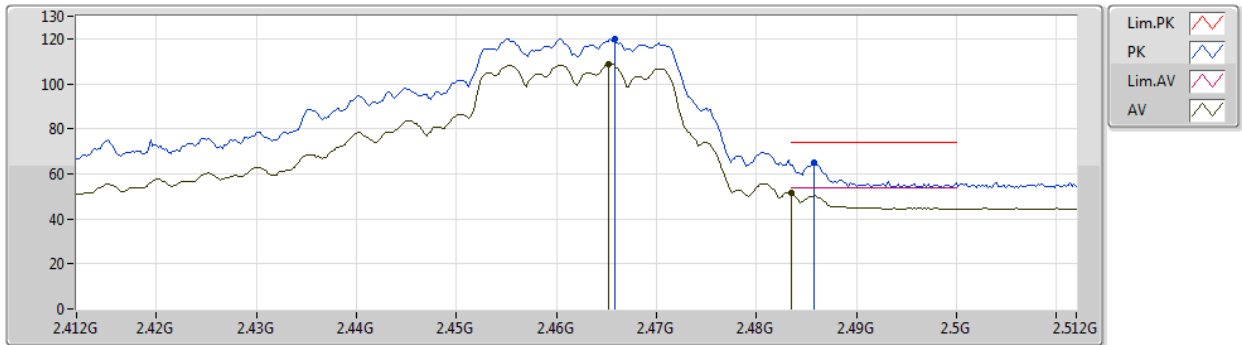


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.463G	109.07	Inf	-Inf	31.44	3	Vertical	105	1.66	-	77.63	27.37	4.07	-
AV	2.4835G	53.91	54.00	-0.09	31.41	3	Vertical	105	1.66	-	22.50	27.33	4.08	-
PK	2.4632G	121.52	Inf	-Inf	31.44	3	Vertical	105	1.66	-	90.08	27.37	4.07	-
PK	2.4844G	67.26	74.00	-6.74	31.42	3	Vertical	105	1.66	-	35.84	27.33	4.09	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

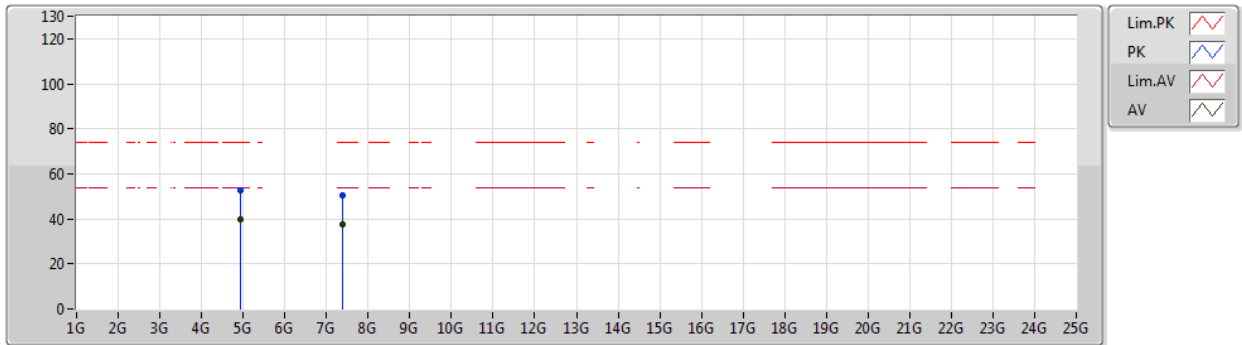


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4652G	108.59	Inf	-Inf	31.44	3	Horizontal	280	1.70	-	77.15	27.37	4.07	-
AV	2.4835G	51.60	54.00	-2.40	31.41	3	Horizontal	280	1.70	-	20.19	27.33	4.08	-
PK	2.4658G	120.06	Inf	-Inf	31.44	3	Horizontal	280	1.70	-	88.62	27.37	4.07	-
PK	2.4858G	65.27	74.00	-8.73	31.42	3	Horizontal	280	1.70	-	33.85	27.33	4.09	-

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

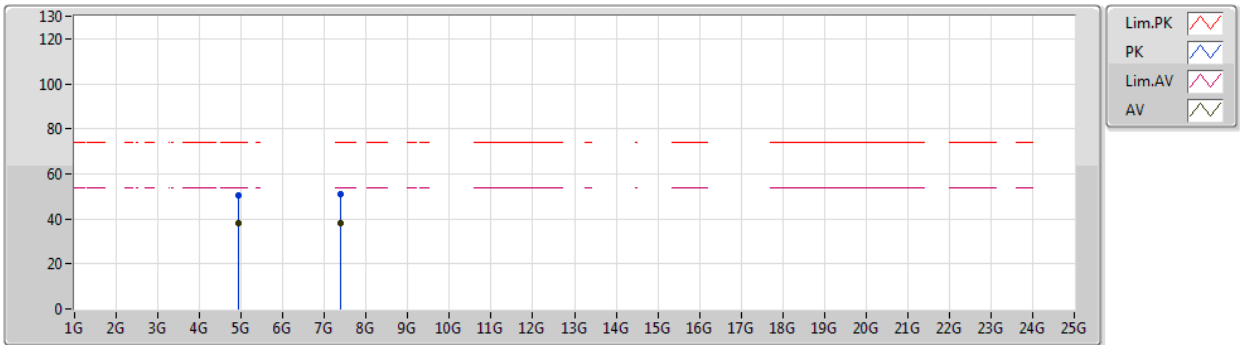


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9254G	39.97	54.00	-14.03	7.80	3	Vertical	291	1.66	-	32.17	31.28	5.87	29.35
AV	7.3936G	37.61	54.00	-16.39	13.11	3	Vertical	260	1.81	-	24.50	36.21	7.33	30.43
PK	4.9205G	52.85	74.00	-21.15	7.76	3	Vertical	291	1.66	-	45.09	31.26	5.86	29.36
PK	7.3941G	50.66	74.00	-23.34	13.10	3	Vertical	260	1.81	-	37.56	36.21	7.32	30.43

802.11ax HEW20_Nss1,(MCS0)_4TX

07/01/2020

2462MHz_TX

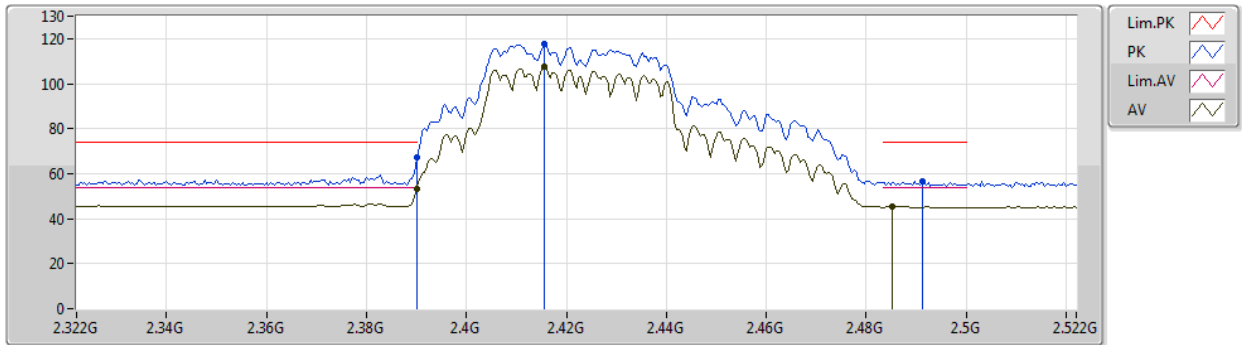


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9257G	37.96	54.00	-16.04	7.80	3	Horizontal	288	1.00	-	30.16	31.28	5.87	29.35
AV	7.3994G	38.09	54.00	-15.91	13.09	3	Horizontal	286	1.67	-	25.00	36.20	7.32	30.43
PK	4.9311G	50.57	74.00	-23.43	7.81	3	Horizontal	288	1.00	-	42.76	31.29	5.87	29.35
PK	7.3746G	51.16	74.00	-22.84	13.18	3	Horizontal	286	1.67	-	37.98	36.23	7.36	30.41

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

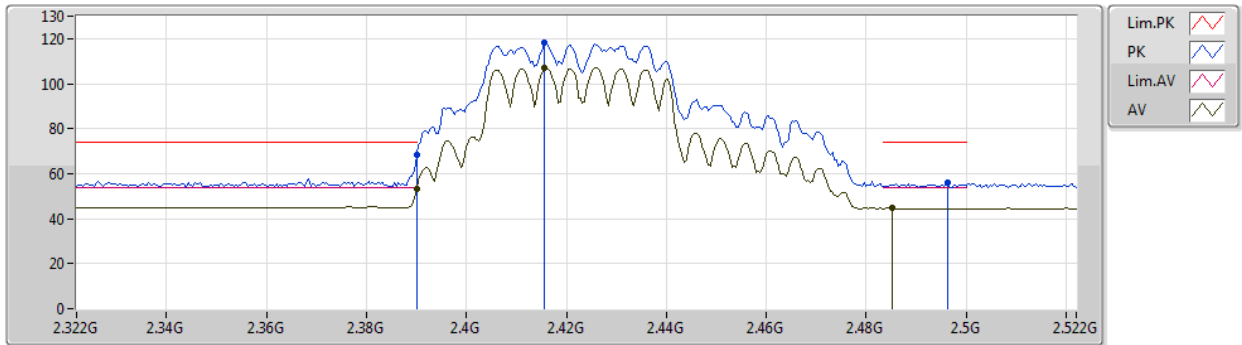


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.02	54.00	-0.98	31.54	3	Vertical	35	1.98	-	21.48	27.54	4.00	-
AV	2.4156G	107.48	Inf	-Inf	31.49	3	Vertical	35	1.98	-	75.99	27.47	4.02	-
AV	2.4852G	45.25	54.00	-8.75	31.42	3	Vertical	35	1.98	-	13.83	27.33	4.09	-
PK	2.39G	67.03	74.00	-6.97	31.54	3	Vertical	35	1.98	-	35.49	27.54	4.00	-
PK	2.4156G	117.54	Inf	-Inf	31.49	3	Vertical	35	1.98	-	86.05	27.47	4.02	-
PK	2.4912G	56.57	74.00	-17.43	31.41	3	Vertical	35	1.98	-	25.16	27.32	4.09	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

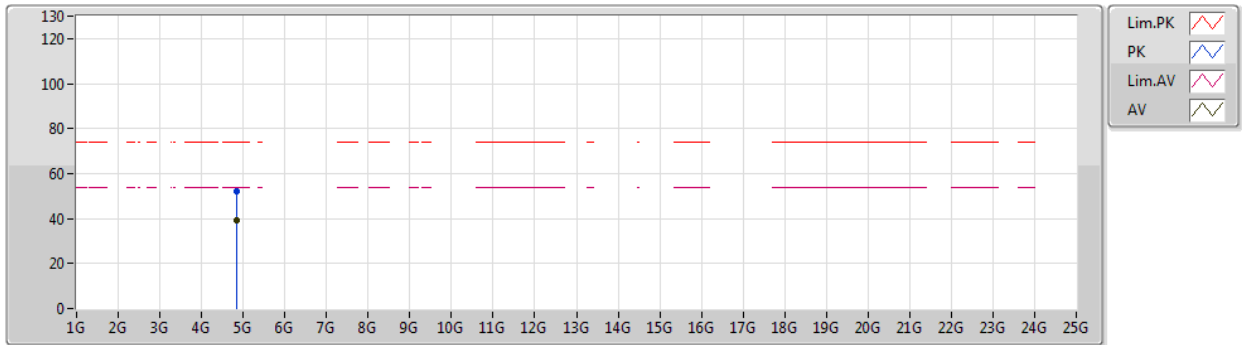


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.15	54.00	-0.85	31.54	3	Horizontal	258	1.71	-	21.61	27.54	4.00	-
AV	2.4156G	106.95	Inf	-Inf	31.49	3	Horizontal	258	1.71	-	75.46	27.47	4.02	-
AV	2.4852G	44.61	54.00	-9.39	31.42	3	Horizontal	258	1.71	-	13.19	27.33	4.09	-
PK	2.39G	68.30	74.00	-5.70	31.54	3	Horizontal	258	1.71	-	36.76	27.54	4.00	-
PK	2.4156G	118.35	Inf	-Inf	31.49	3	Horizontal	258	1.71	-	86.86	27.47	4.02	-
PK	2.4964G	56.10	74.00	-17.90	31.41	3	Horizontal	258	1.71	-	24.69	27.31	4.10	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

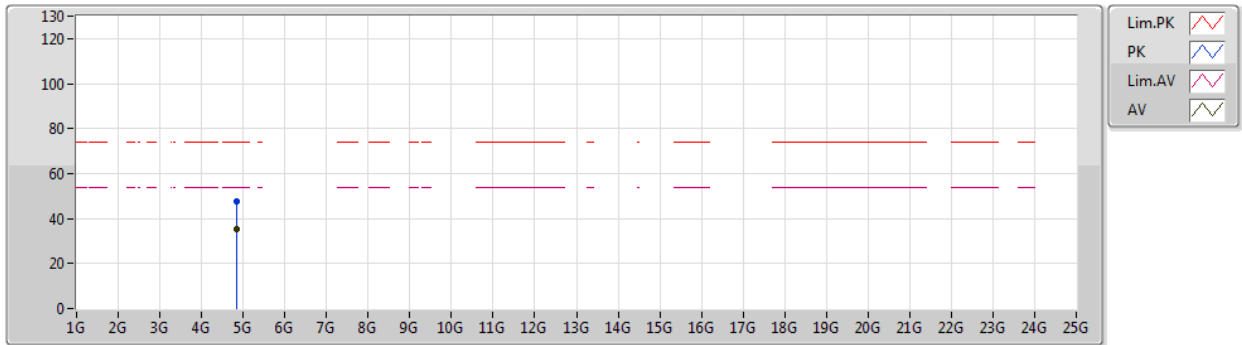


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8406G	39.14	54.00	-14.86	7.56	3	Vertical	293	1.78	-	31.58	31.14	5.81	29.39
PK	4.8408G	52.07	74.00	-21.93	7.56	3	Vertical	293	1.78	-	44.51	31.14	5.81	29.39

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

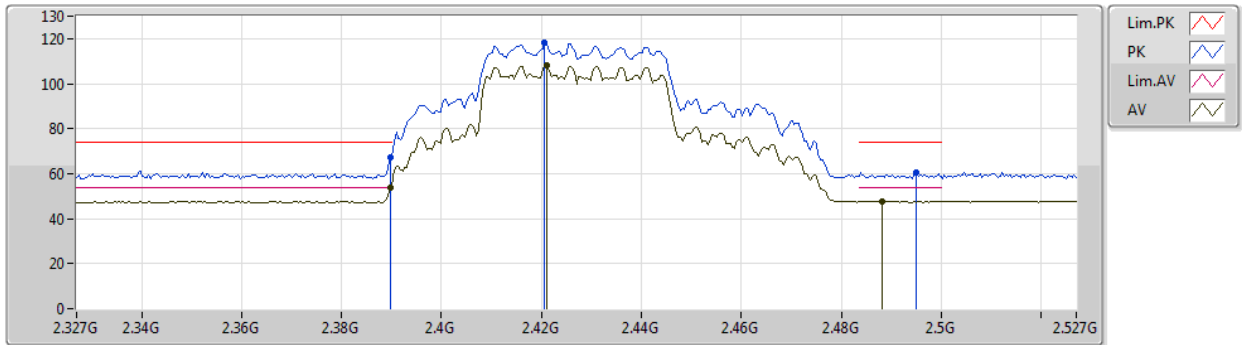


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8406G	35.55	54.00	-18.45	7.56	3	Horizontal	328	1.24	-	27.99	31.14	5.81	29.39
PK	4.8408G	47.81	74.00	-26.19	7.56	3	Horizontal	328	1.24	-	40.25	31.14	5.81	29.39

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2427MHz_TX

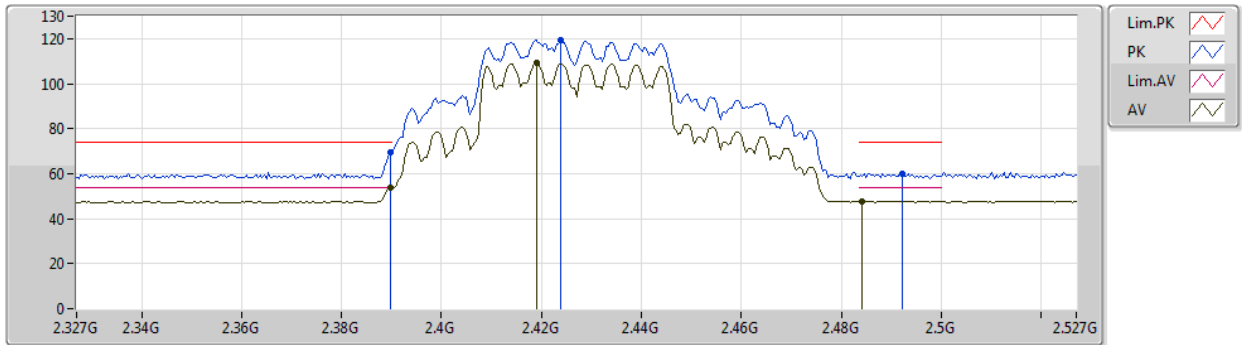


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.85	54.00	-0.15	34.97	3	Vertical	354	1.95	-	18.88	27.64	7.33	-
AV	2.421G	108.25	Inf	-Inf	34.92	3	Vertical	354	1.95	-	73.33	27.58	7.34	-
AV	2.4882G	47.88	54.00	-6.12	34.88	3	Vertical	354	1.95	-	13.00	27.51	7.37	-
PK	2.3898G	67.09	74.00	-6.91	34.97	3	Vertical	354	1.95	-	32.12	27.64	7.33	-
PK	2.4206G	118.30	Inf	-Inf	34.92	3	Vertical	354	1.95	-	83.38	27.58	7.34	-
PK	2.495G	60.42	74.00	-13.58	34.87	3	Vertical	354	1.95	-	25.55	27.50	7.37	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2427MHz_TX

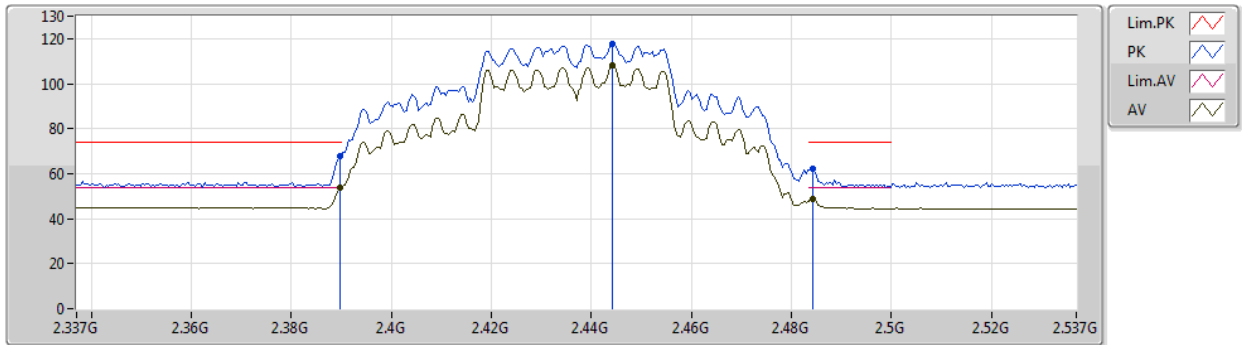


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.86	54.00	-0.14	34.97	3	Horizontal	271	1.92	-	18.89	27.64	7.33	-
AV	2.419G	109.02	Inf	-Inf	34.92	3	Horizontal	271	1.92	-	74.10	27.58	7.34	-
AV	2.4842G	47.76	54.00	-6.24	34.89	3	Horizontal	271	1.92	-	12.87	27.52	7.37	-
PK	2.3898G	69.48	74.00	-4.52	34.97	3	Horizontal	271	1.92	-	34.51	27.64	7.33	-
PK	2.4238G	119.10	Inf	-Inf	34.92	3	Horizontal	271	1.92	-	84.18	27.58	7.34	-
PK	2.4922G	60.19	74.00	-13.81	34.88	3	Horizontal	271	1.92	-	25.31	27.51	7.37	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

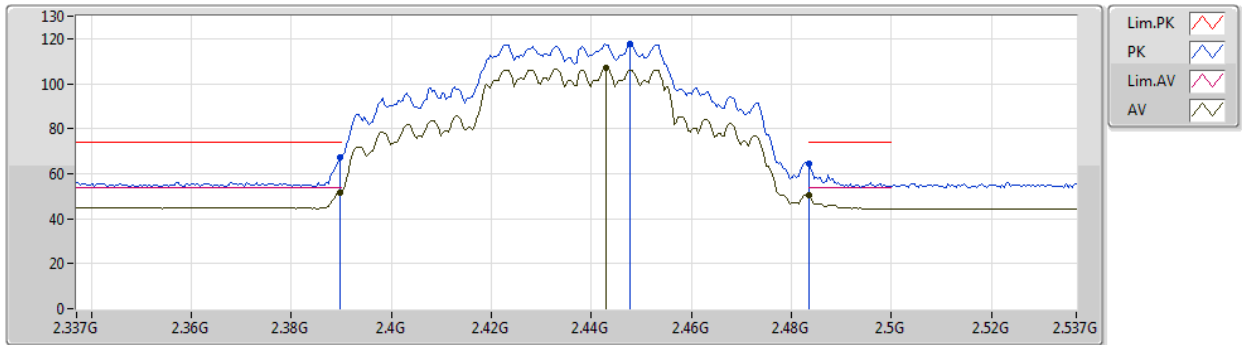


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.72	54.00	-0.28	31.54	3	Vertical	31	2.15	-	22.18	27.54	4.00	-
AV	2.4442G	107.91	Inf	-Inf	31.46	3	Vertical	31	2.15	-	76.45	27.41	4.05	-
AV	2.4842G	48.67	54.00	-5.33	31.42	3	Vertical	31	2.15	-	17.25	27.33	4.09	-
PK	2.3898G	67.95	74.00	-6.05	31.54	3	Vertical	31	2.15	-	36.41	27.54	4.00	-
PK	2.4442G	117.55	Inf	-Inf	31.46	3	Vertical	31	2.15	-	86.09	27.41	4.05	-
PK	2.4842G	62.31	74.00	-11.69	31.42	3	Vertical	31	2.15	-	30.89	27.33	4.09	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

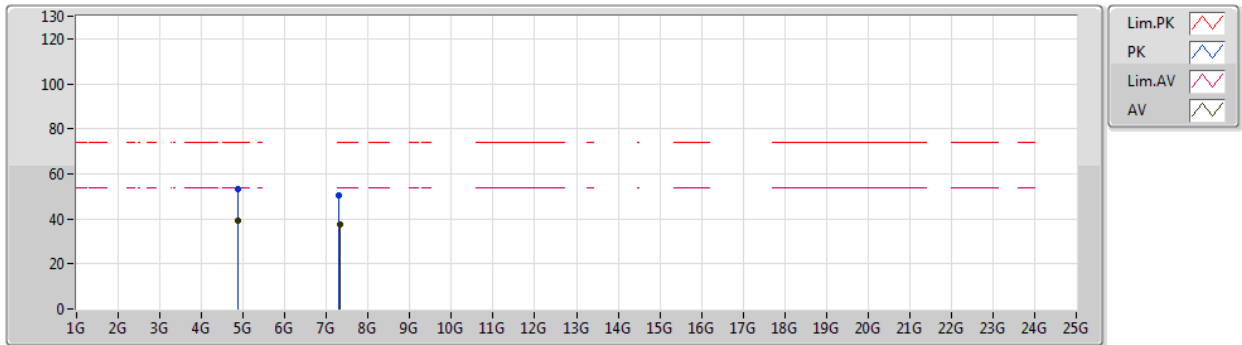


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	51.77	54.00	-2.23	31.54	3	Horizontal	282	1.83	-	20.23	27.54	4.00	-
AV	2.443G	107.29	Inf	-Inf	31.46	3	Horizontal	282	1.83	-	75.83	27.41	4.05	-
AV	2.4835G	50.40	54.00	-3.60	31.41	3	Horizontal	282	1.83	-	18.99	27.33	4.08	-
PK	2.3898G	67.23	74.00	-6.77	31.54	3	Horizontal	282	1.83	-	35.69	27.54	4.00	-
PK	2.4478G	117.62	Inf	-Inf	31.45	3	Horizontal	282	1.83	-	86.17	27.40	4.05	-
PK	2.4835G	64.47	74.00	-9.53	31.41	3	Horizontal	282	1.83	-	33.06	27.33	4.08	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

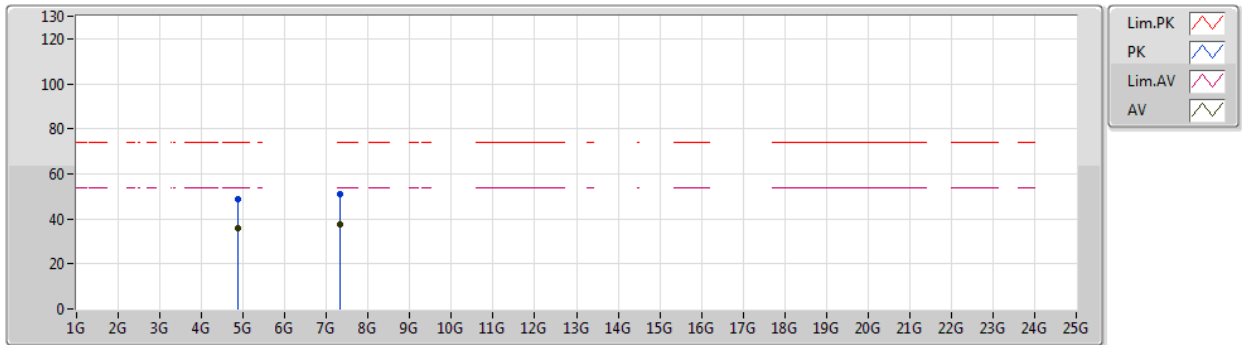


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8704G	39.42	54.00	-14.58	7.62	3	Vertical	295	1.73	-	31.80	31.17	5.83	29.38
AV	7.31466G	37.48	54.00	-16.52	13.40	3	Vertical	242	1.00	-	24.08	36.29	7.47	30.36
PK	4.8708G	53.01	74.00	-20.99	7.62	3	Vertical	295	1.73	-	45.39	31.17	5.83	29.38
PK	7.30968G	50.49	74.00	-23.51	13.41	3	Vertical	242	1.00	-	37.08	36.29	7.48	30.36

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

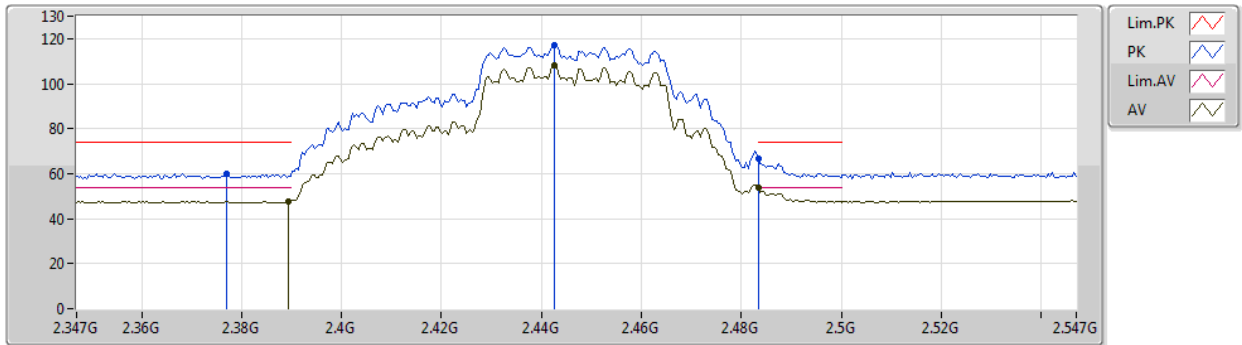


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8706G	35.97	54.00	-18.03	7.62	3	Horizontal	327	1.06	-	28.35	31.17	5.83	29.38
AV	7.3137G	37.28	54.00	-16.72	13.40	3	Horizontal	237	1.14	-	23.88	36.29	7.47	30.36
PK	4.8688G	48.79	74.00	-25.21	7.62	3	Horizontal	327	1.06	-	41.17	31.17	5.83	29.38
PK	7.31814G	50.77	74.00	-23.23	13.38	3	Horizontal	237	1.14	-	37.39	36.28	7.46	30.36

VHT40_Nss1,(MCS0)_4TX

07/01/2020

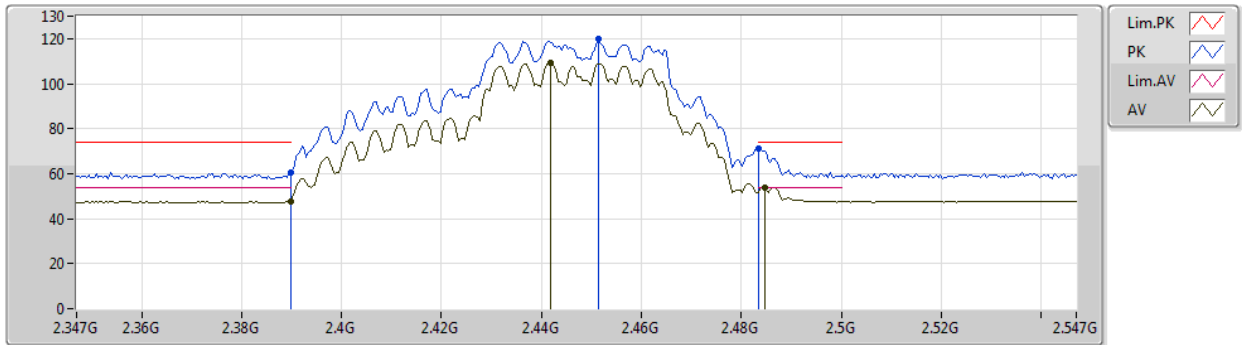
2447MHz_TX



VHT40_Nss1,(MCS0)_4TX

07/01/2020

2447MHz_TX

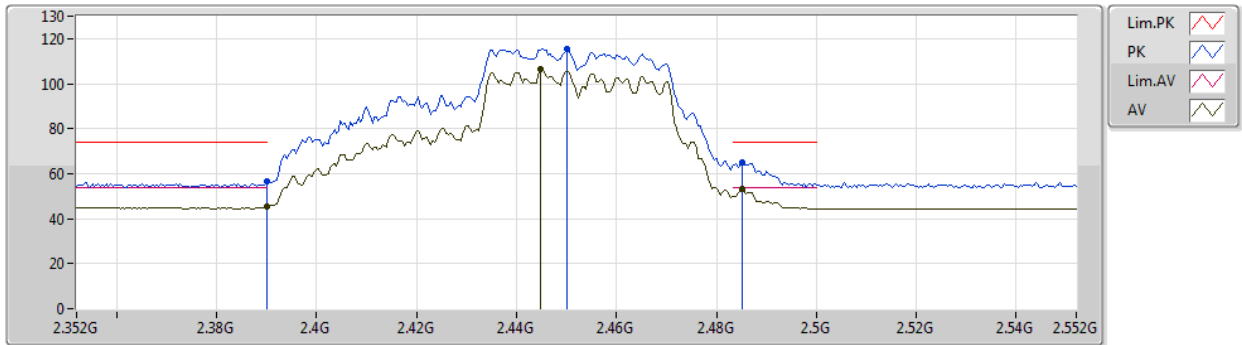


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	47.89	54.00	-6.11	34.97	3	Horizontal	270	1.67	-	12.92	27.64	7.33	-
AV	2.4418G	109.24	Inf	-Inf	34.91	3	Horizontal	270	1.67	-	74.33	27.56	7.35	-
AV	2.4846G	53.86	54.00	-0.14	34.89	3	Horizontal	270	1.67	-	18.97	27.52	7.37	-
PK	2.3898G	60.65	74.00	-13.35	34.97	3	Horizontal	270	1.67	-	25.68	27.64	7.33	-
PK	2.4514G	119.76	Inf	-Inf	34.90	3	Horizontal	270	1.67	-	84.86	27.55	7.35	-
PK	2.4835G	71.13	74.00	-2.87	34.89	3	Horizontal	270	1.67	-	36.24	27.52	7.37	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_TX

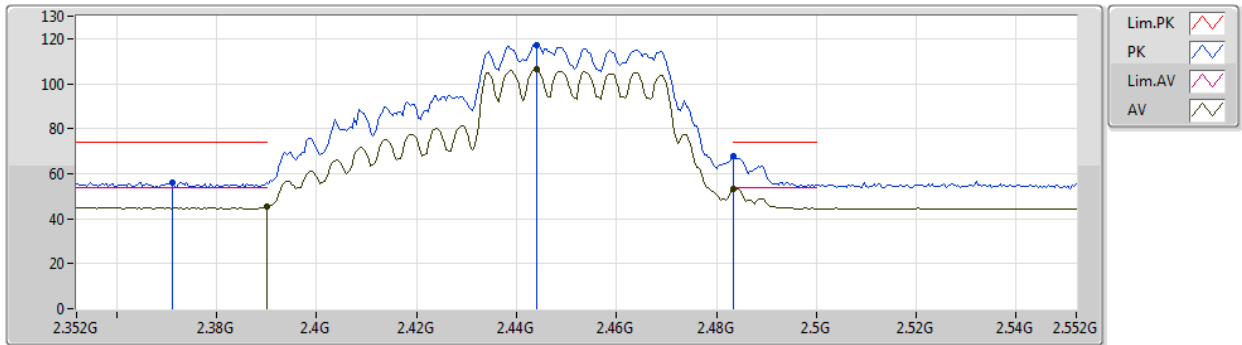


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	45.22	54.00	-8.78	31.54	3	Vertical	0	2.14	-	13.68	27.54	4.00	-
AV	2.4448G	106.28	Inf	-Inf	31.46	3	Vertical	0	2.14	-	74.82	27.41	4.05	-
AV	2.4852G	53.27	54.00	-0.73	31.42	3	Vertical	0	2.14	-	21.85	27.33	4.09	-
PK	2.39G	56.77	74.00	-17.23	31.54	3	Vertical	0	2.14	-	25.23	27.54	4.00	-
PK	2.45G	115.69	Inf	-Inf	31.45	3	Vertical	0	2.14	-	84.24	27.40	4.05	-
PK	2.4852G	64.74	74.00	-9.26	31.42	3	Vertical	0	2.14	-	33.32	27.33	4.09	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_TX

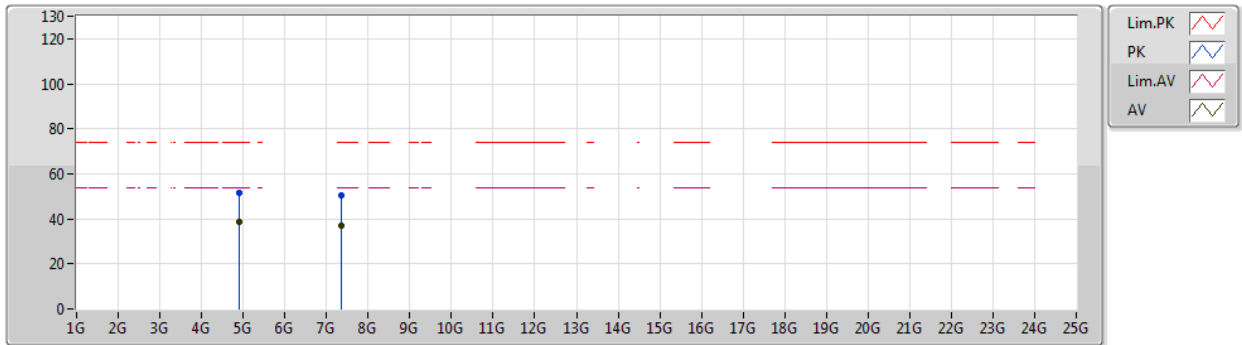


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	45.13	54.00	-8.87	31.54	3	Horizontal	268	1.50	-	13.59	27.54	4.00	-
AV	2.444G	106.27	Inf	-Inf	31.46	3	Horizontal	268	1.50	-	74.81	27.41	4.05	-
AV	2.4835G	53.20	54.00	-0.80	31.41	3	Horizontal	268	1.50	-	21.79	27.33	4.08	-
PK	2.3712G	56.22	74.00	-17.78	31.60	3	Horizontal	268	1.50	-	24.62	27.62	3.98	-
PK	2.444G	117.29	Inf	-Inf	31.46	3	Horizontal	268	1.50	-	85.83	27.41	4.05	-
PK	2.4835G	67.53	74.00	-6.47	31.41	3	Horizontal	268	1.50	-	36.12	27.33	4.08	-

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_TX

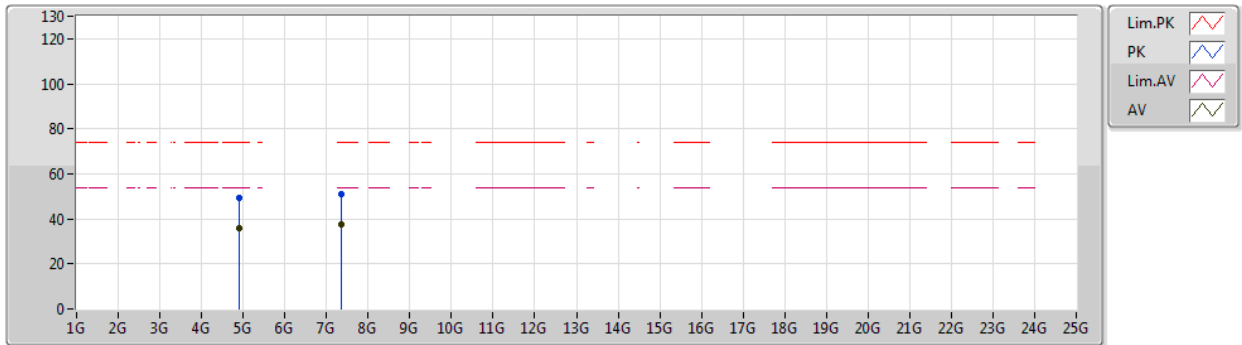


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8956G	38.69	54.00	-15.31	7.67	3	Vertical	292	1.73	-	31.02	31.20	5.84	29.37
AV	7.35348G	37.26	54.00	-16.74	13.26	3	Vertical	111	1.50	-	24.00	36.25	7.40	30.39
PK	4.9007G	51.76	74.00	-22.24	7.68	3	Vertical	292	1.73	-	44.08	31.20	5.85	29.37
PK	7.34952G	50.49	74.00	-23.51	13.27	3	Vertical	111	1.50	-	37.22	36.25	7.41	30.39

VHT40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_TX

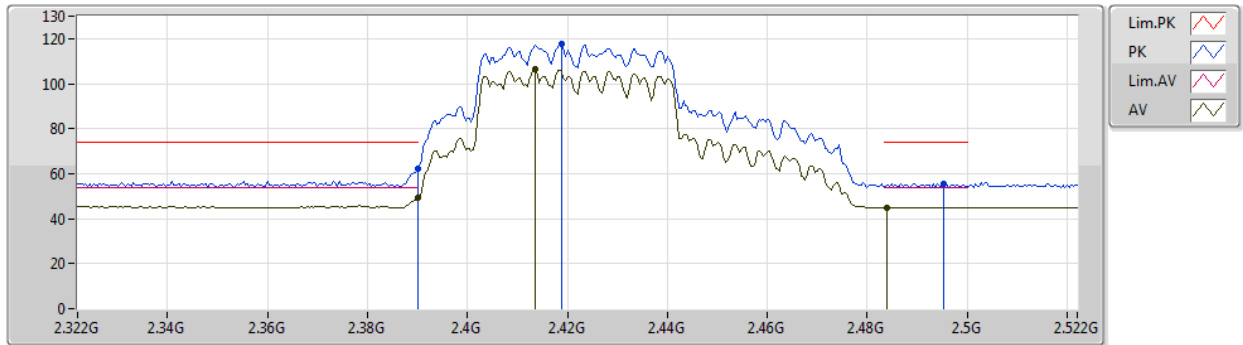


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8963G	35.59	54.00	-18.41	7.68	3	Horizontal	328	1.35	-	27.91	31.20	5.85	29.37
AV	7.35552G	37.65	54.00	-16.35	13.24	3	Horizontal	203	1.50	-	24.41	36.24	7.40	30.40
PK	4.8906G	49.20	74.00	-24.80	7.66	3	Horizontal	328	1.35	-	41.54	31.19	5.84	29.37
PK	7.34496G	50.72	74.00	-23.28	13.29	3	Horizontal	203	1.50	-	37.43	36.26	7.42	30.39

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

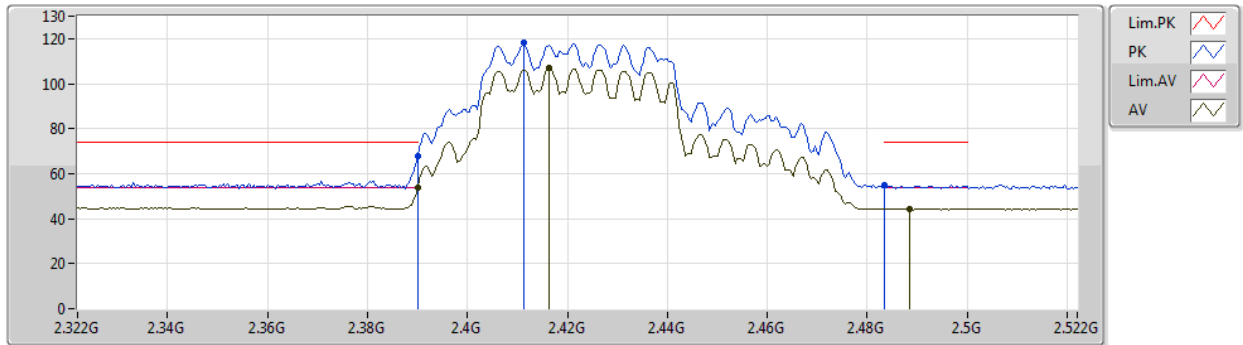


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.45	54.00	-4.55	31.54	3	Vertical	347	1.88	-	17.91	27.54	4.00	-
AV	2.4136G	106.58	Inf	-Inf	31.49	3	Vertical	347	1.88	-	75.09	27.47	4.02	-
AV	2.484G	44.94	54.00	-9.06	31.41	3	Vertical	347	1.88	-	13.53	27.33	4.08	-
PK	2.39G	62.03	74.00	-11.97	31.54	3	Vertical	347	1.88	-	30.49	27.54	4.00	-
PK	2.4188G	117.70	Inf	-Inf	31.48	3	Vertical	347	1.88	-	86.22	27.46	4.02	-
PK	2.4952G	55.73	74.00	-18.27	31.41	3	Vertical	347	1.88	-	24.32	27.31	4.10	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

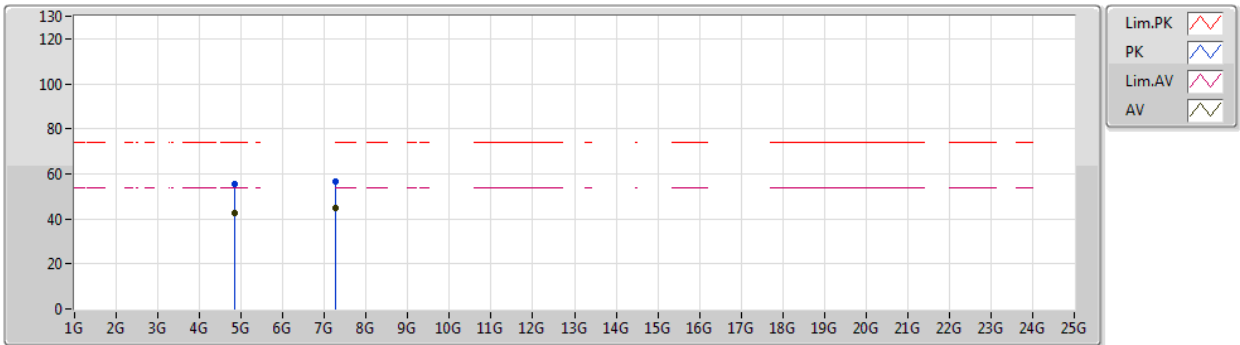


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.73	54.00	-0.27	31.54	3	Horizontal	271	1.75	-	22.19	27.54	4.00	-
AV	2.4164G	106.87	Inf	-Inf	31.49	3	Horizontal	271	1.75	-	75.38	27.47	4.02	-
AV	2.4884G	44.36	54.00	-9.64	31.41	3	Horizontal	271	1.75	-	12.95	27.32	4.09	-
PK	2.39G	67.96	74.00	-6.04	31.54	3	Horizontal	271	1.75	-	36.42	27.54	4.00	-
PK	2.4112G	118.02	Inf	-Inf	31.50	3	Horizontal	271	1.75	-	86.52	27.48	4.02	-
PK	2.4835G	55.18	74.00	-18.82	31.41	3	Horizontal	271	1.75	-	23.77	27.33	4.08	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

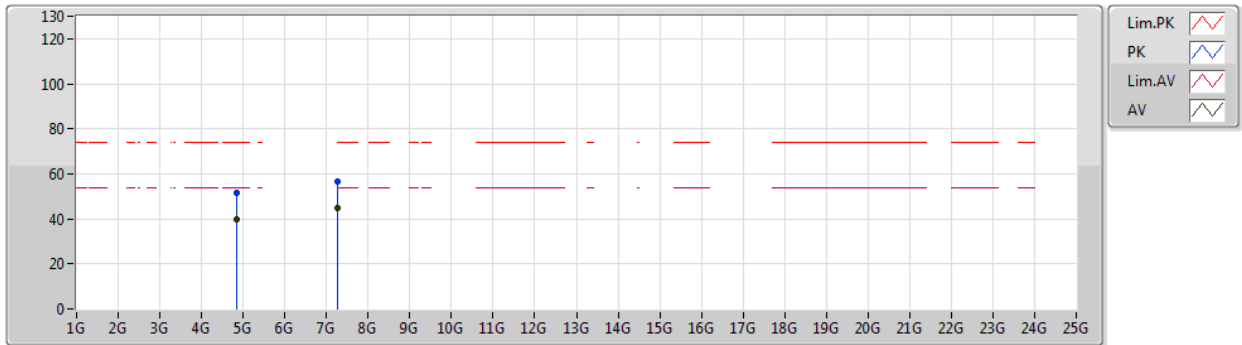


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.841G	42.32	54.00	-11.68	9.15	3	Vertical	276	1.64	-	33.17	33.25	9.95	34.05
AV	7.25904G	44.61	54.00	-9.39	15.63	3	Vertical	34	1.50	-	28.98	38.62	11.28	34.27
PK	4.8411G	55.33	74.00	-18.67	9.16	3	Vertical	276	1.64	-	46.17	33.26	9.95	34.05
PK	7.2706G	56.69	74.00	-17.31	15.66	3	Vertical	34	1.50	-	41.03	38.65	11.28	34.27

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2422MHz_TX

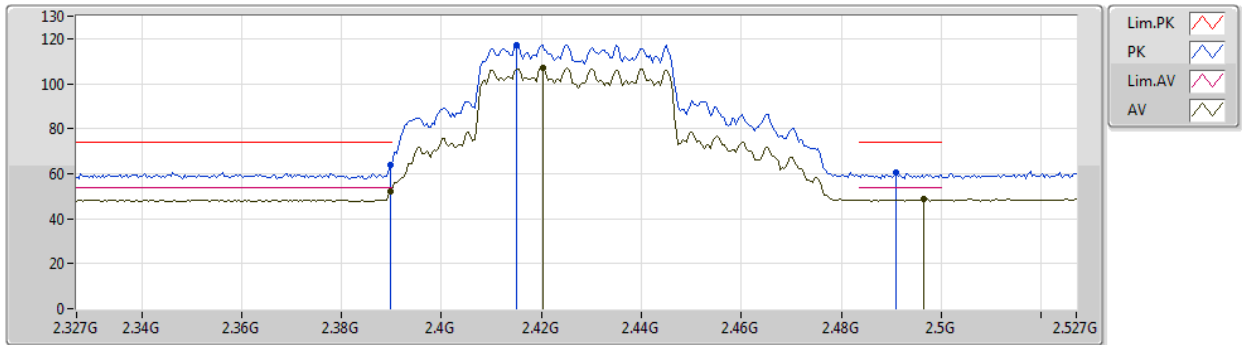


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8436G	39.74	54.00	-14.26	9.16	3	Horizontal	181	1.90	-	30.58	33.26	9.95	34.05
AV	7.26G	44.66	54.00	-9.34	15.63	3	Horizontal	10	1.50	-	29.03	38.62	11.28	34.27
PK	4.8428G	51.70	74.00	-22.30	9.16	3	Horizontal	181	1.90	-	42.54	33.26	9.95	34.05
PK	7.25812G	56.60	74.00	-17.40	15.63	3	Horizontal	10	1.50	-	40.97	38.62	11.28	34.27

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2427MHz_TX

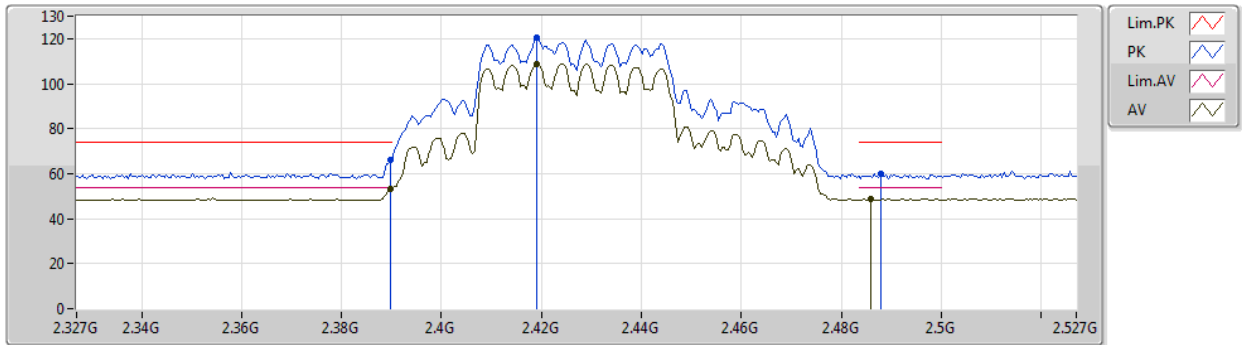


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.12	54.00	-1.88	34.97	3	Vertical	360	1.74	-	17.15	27.64	7.33	-
AV	2.4202G	107.03	Inf	-Inf	34.92	3	Vertical	360	1.74	-	72.11	27.58	7.34	-
AV	2.4966G	48.52	54.00	-5.48	34.87	3	Vertical	360	1.74	-	13.65	27.50	7.37	-
PK	2.3898G	64.09	74.00	-9.91	34.97	3	Vertical	360	1.74	-	29.12	27.64	7.33	-
PK	2.415G	117.27	Inf	-Inf	34.93	3	Vertical	360	1.74	-	82.34	27.59	7.34	-
PK	2.491G	60.61	74.00	-13.39	34.88	3	Vertical	360	1.74	-	25.73	27.51	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2427MHz_TX

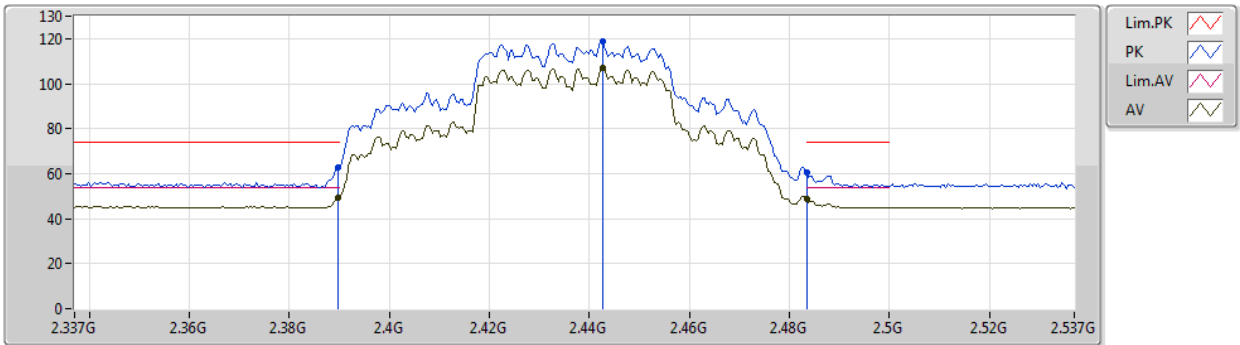


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.47	54.00	-0.53	34.97	3	Horizontal	267	1.93	-	18.50	27.64	7.33	-
AV	2.419G	108.91	Inf	-Inf	34.92	3	Horizontal	267	1.93	-	73.99	27.58	7.34	-
AV	2.4858G	48.69	54.00	-5.31	34.88	3	Horizontal	267	1.93	-	13.81	27.51	7.37	-
PK	2.3898G	66.18	74.00	-7.82	34.97	3	Horizontal	267	1.93	-	31.21	27.64	7.33	-
PK	2.419G	120.54	Inf	-Inf	34.92	3	Horizontal	267	1.93	-	85.62	27.58	7.34	-
PK	2.4878G	60.07	74.00	-13.93	34.88	3	Horizontal	267	1.93	-	25.19	27.51	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

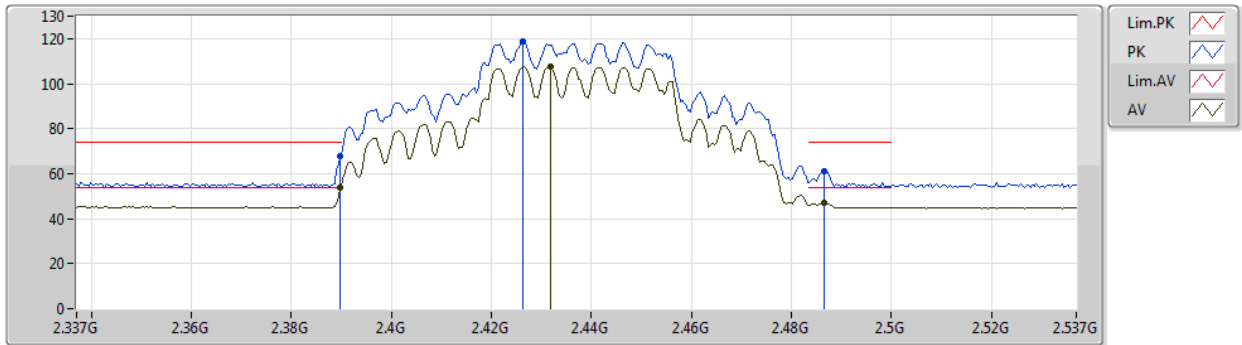


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.08	54.00	-4.92	31.54	3	Vertical	0	1.76	-	17.54	27.54	4.00	-
AV	2.4426G	107.16	Inf	-Inf	31.46	3	Vertical	0	1.76	-	75.70	27.41	4.05	-
AV	2.4835G	48.73	54.00	-5.27	31.41	3	Vertical	0	1.76	-	17.32	27.33	4.08	-
PK	2.3898G	62.76	74.00	-11.24	31.54	3	Vertical	0	1.76	-	31.22	27.54	4.00	-
PK	2.4426G	119.00	Inf	-Inf	31.46	3	Vertical	0	1.76	-	87.54	27.41	4.05	-
PK	2.4835G	60.39	74.00	-13.61	31.41	3	Vertical	0	1.76	-	28.98	27.33	4.08	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

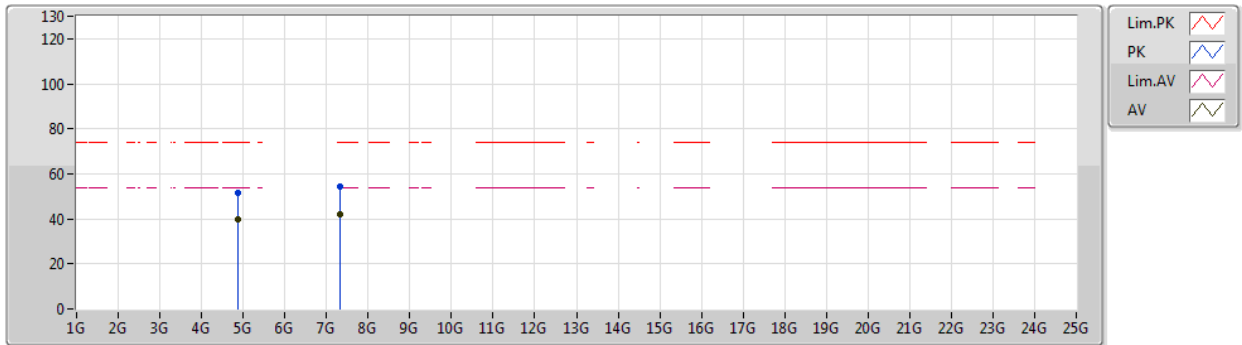


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.73	54.00	-0.27	31.54	3	Horizontal	270	1.66	-	22.19	27.54	4.00	-
AV	2.4318G	107.82	Inf	-Inf	31.48	3	Horizontal	270	1.66	-	76.34	27.44	4.04	-
AV	2.4866G	47.29	54.00	-6.71	31.42	3	Horizontal	270	1.66	-	15.87	27.33	4.09	-
PK	2.3898G	67.83	74.00	-6.17	31.54	3	Horizontal	270	1.66	-	36.29	27.54	4.00	-
PK	2.4262G	119.05	Inf	-Inf	31.48	3	Horizontal	270	1.66	-	87.57	27.45	4.03	-
PK	2.4866G	60.93	74.00	-13.07	31.42	3	Horizontal	270	1.66	-	29.51	27.33	4.09	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

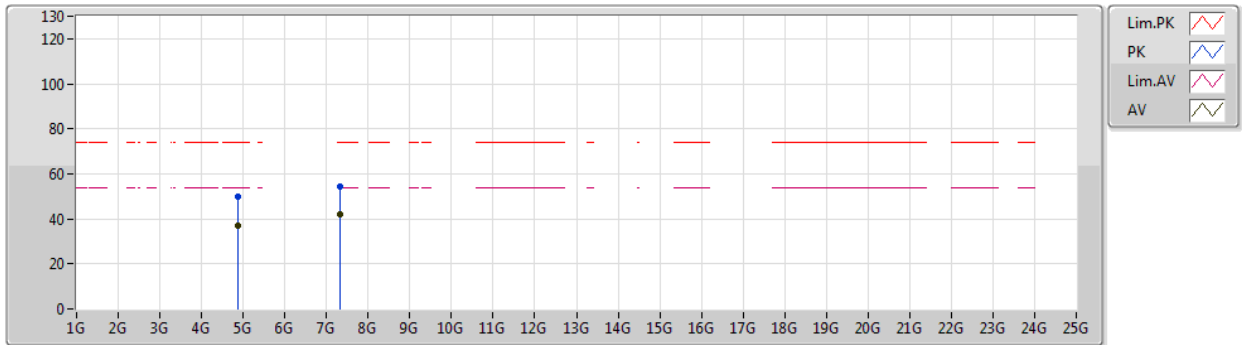


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.871G	39.98	54.00	-14.02	7.02	3	Vertical	281	1.50	-	32.96	31.10	9.97	34.05
AV	7.3103G	42.06	54.00	-11.94	13.32	3	Vertical	114	2.81	-	28.74	36.29	11.30	34.27
PK	4.8761G	51.56	74.00	-22.44	7.03	3	Vertical	281	1.50	-	44.53	31.10	9.98	34.05
PK	7.3153G	54.26	74.00	-19.74	13.31	3	Vertical	114	2.79	-	40.95	36.28	11.30	34.27

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2437MHz_TX

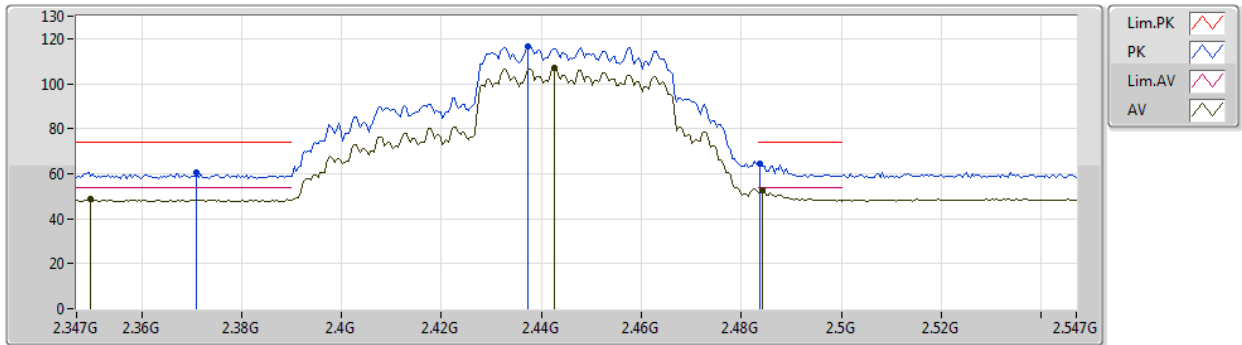


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8702G	36.96	54.00	-17.04	7.02	3	Horizontal	183	1.50	-	29.94	31.10	9.97	34.05
AV	7.31154G	42.01	54.00	-11.99	13.32	3	Horizontal	360	1.11	-	28.69	36.29	11.30	34.27
PK	4.8705G	49.98	74.00	-24.02	7.02	3	Horizontal	183	1.50	-	42.96	31.10	9.97	34.05
PK	7.3156G	54.31	74.00	-19.69	13.31	3	Horizontal	360	1.11	-	41.00	36.28	11.30	34.27

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2447MHz_TX

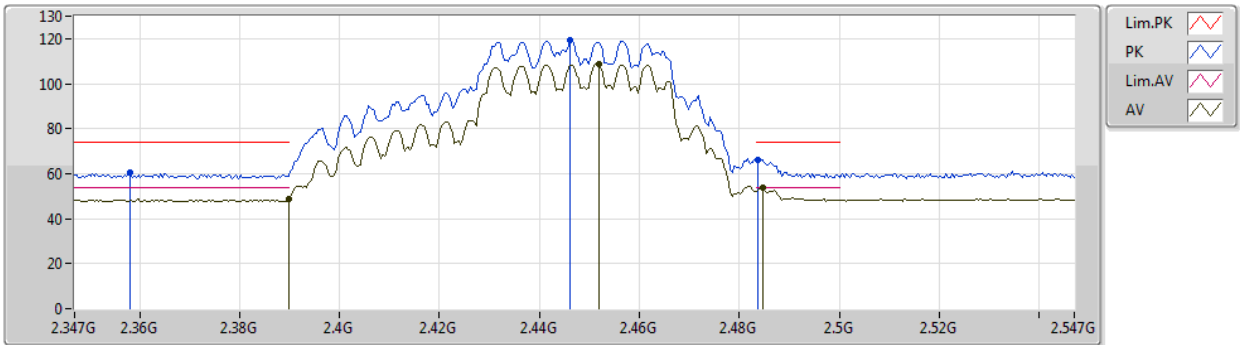


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3498G	48.49	54.00	-5.51	35.14	3	Vertical	352	1.49	-	13.35	27.80	7.34	-
AV	2.4426G	106.84	Inf	-Inf	34.91	3	Vertical	352	1.49	-	71.93	27.56	7.35	-
AV	2.4842G	52.40	54.00	-1.60	34.89	3	Vertical	352	1.49	-	17.51	27.52	7.37	-
PK	2.371G	60.47	74.00	-13.53	35.06	3	Vertical	352	1.49	-	25.41	27.72	7.34	-
PK	2.4374G	116.77	Inf	-Inf	34.91	3	Vertical	352	1.49	-	81.86	27.56	7.35	-
PK	2.4838G	64.42	74.00	-9.58	34.89	3	Vertical	352	1.49	-	29.53	27.52	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2447MHz_TX

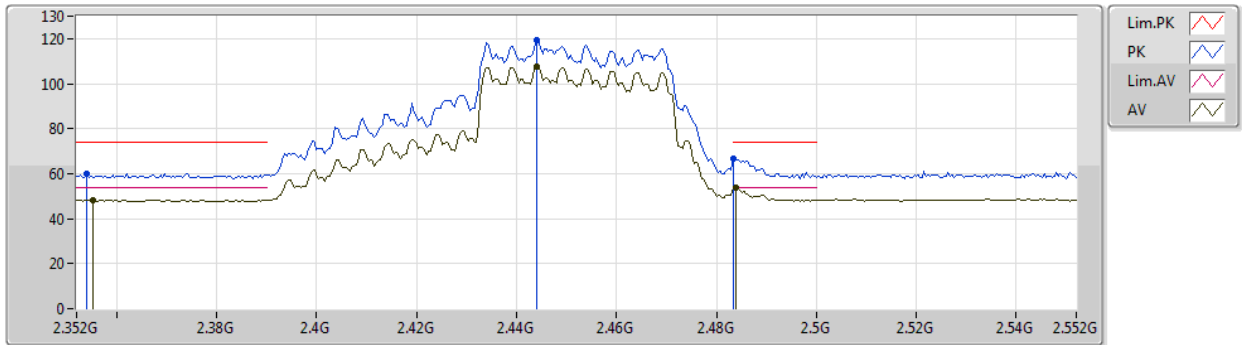


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	48.70	54.00	-5.30	34.97	3	Horizontal	265	1.88	-	13.73	27.64	7.33	-
AV	2.4518G	108.63	Inf	-Inf	34.90	3	Horizontal	265	1.88	-	73.73	27.55	7.35	-
AV	2.4846G	53.71	54.00	-0.29	34.89	3	Horizontal	265	1.88	-	18.82	27.52	7.37	-
PK	2.3582G	60.33	74.00	-13.67	35.11	3	Horizontal	265	1.88	-	25.22	27.77	7.34	-
PK	2.4462G	119.40	Inf	-Inf	34.90	3	Horizontal	265	1.88	-	84.50	27.55	7.35	-
PK	2.4838G	66.36	74.00	-7.64	34.89	3	Horizontal	265	1.88	-	31.47	27.52	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_TX

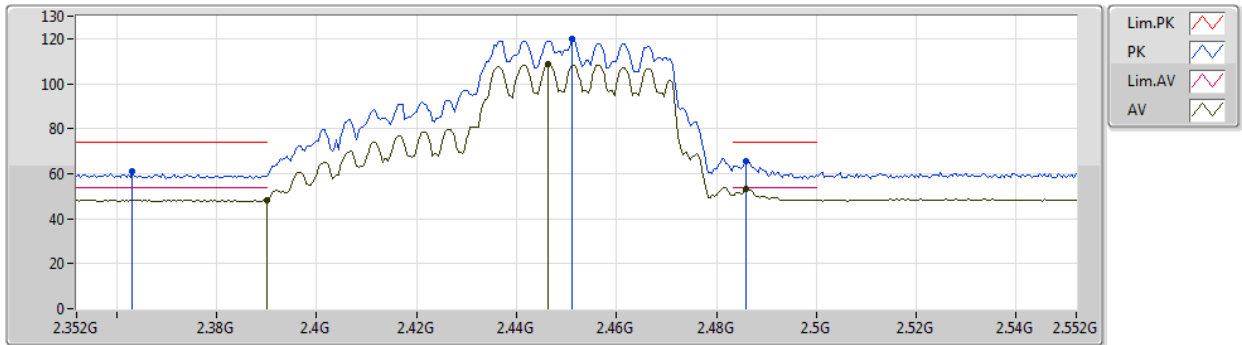


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3552G	48.41	54.00	-5.59	35.12	3	Vertical	270	1.50	-	13.29	27.78	7.34	-
AV	2.444G	107.74	Inf	-Inf	34.91	3	Vertical	270	1.50	-	72.83	27.56	7.35	-
AV	2.484G	53.90	54.00	-0.10	34.89	3	Vertical	270	1.50	-	19.01	27.52	7.37	-
PK	2.354G	60.15	74.00	-13.85	35.12	3	Vertical	270	1.50	-	25.03	27.78	7.34	-
PK	2.444G	119.51	Inf	-Inf	34.91	3	Vertical	270	1.50	-	84.60	27.56	7.35	-
PK	2.4835G	66.63	74.00	-7.37	34.89	3	Vertical	270	1.50	-	31.74	27.52	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_TX

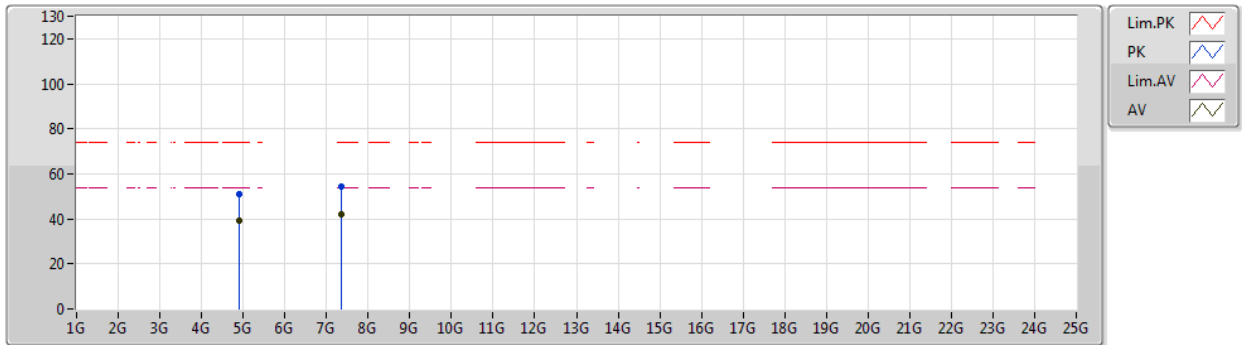


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	48.34	54.00	-5.66	34.97	3	Horizontal	265	1.69	-	13.37	27.64	7.33	-
AV	2.4464G	108.58	Inf	-Inf	34.90	3	Horizontal	265	1.69	-	73.68	27.55	7.35	-
AV	2.486G	53.03	54.00	-0.97	34.88	3	Horizontal	265	1.69	-	18.15	27.51	7.37	-
PK	2.3632G	60.84	74.00	-13.16	35.09	3	Horizontal	265	1.69	-	25.75	27.75	7.34	-
PK	2.4512G	119.74	Inf	-Inf	34.90	3	Horizontal	265	1.69	-	84.84	27.55	7.35	-
PK	2.486G	65.80	74.00	-8.20	34.88	3	Horizontal	265	1.69	-	30.92	27.51	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_TX

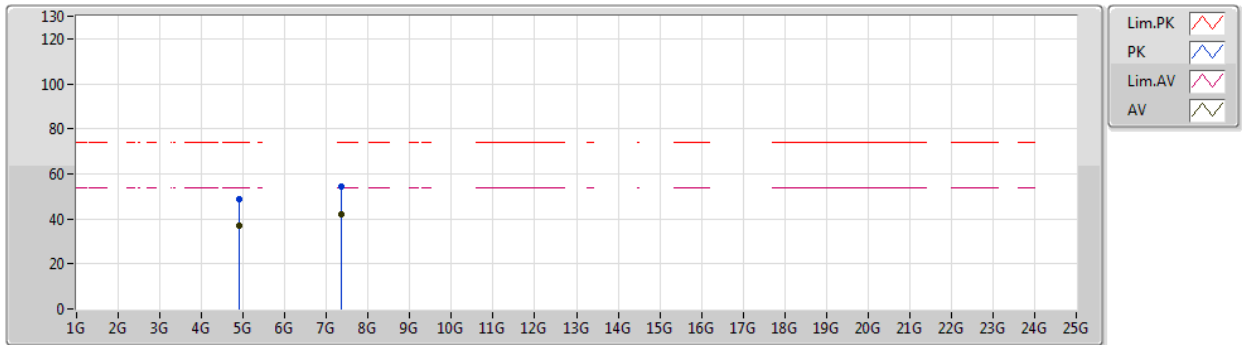


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8907G	39.15	54.00	-14.85	7.04	3	Vertical	268	1.50	-	32.11	31.10	9.99	34.05
AV	7.35384G	42.00	54.00	-12.00	13.29	3	Vertical	211	1.50	-	28.71	36.25	11.32	34.28
PK	4.9012G	50.96	74.00	-23.04	7.05	3	Vertical	268	1.50	-	43.91	31.10	10.00	34.05
PK	7.35472G	54.16	74.00	-19.84	13.29	3	Vertical	211	1.50	-	40.87	36.25	11.32	34.28

802.11ax HEW40_Nss1,(MCS0)_4TX

07/01/2020

2452MHz_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	4.8938G	37.15	54.00	-16.85	7.04	3	Horizontal	186	1.50	-	30.11	31.10	9.99	34.05
AV	7.35004G	41.85	54.00	-12.15	13.29	3	Horizontal	147	1.50	-	28.56	36.25	11.32	34.28
PK	4.8902G	48.76	74.00	-25.24	7.04	3	Horizontal	186	1.50	-	41.72	31.10	9.99	34.05
PK	7.36172G	54.56	74.00	-19.44	13.28	3	Horizontal	147	1.50	-	41.28	36.24	11.32	34.28

Summary

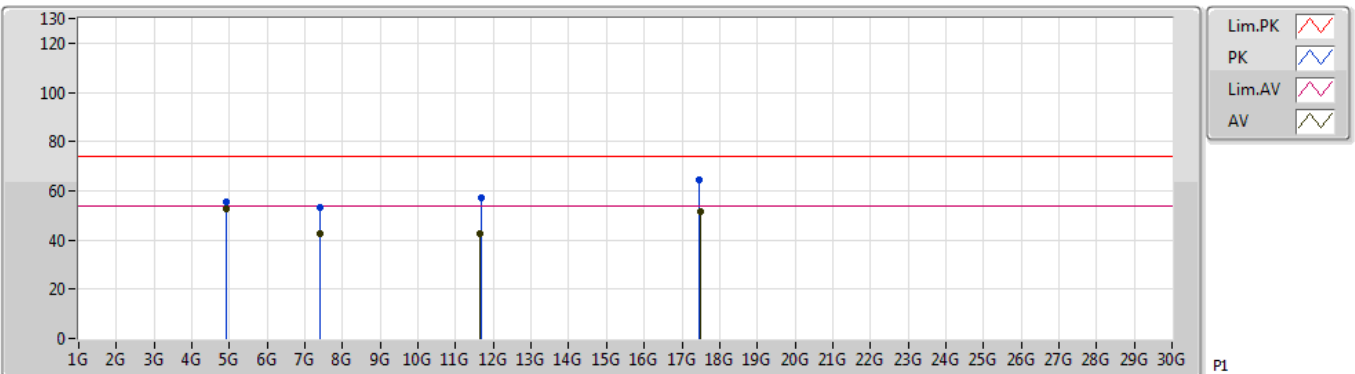
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	AV	4.924G	52.66	54.00	-1.34	7.79	Vertical

Mode Configure

Mode	Configure
Mode 1	2.4G+5G

Radiation-above 1GHz_Mode 1

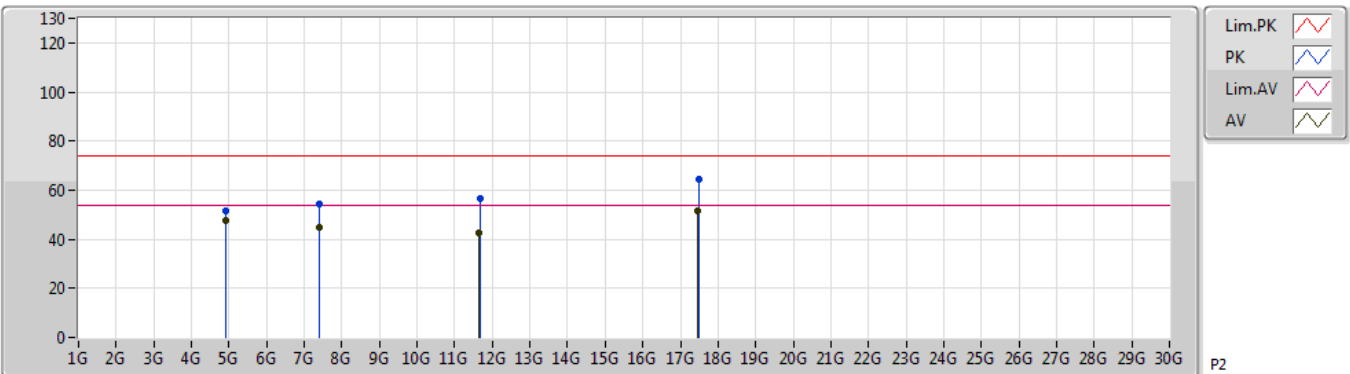
09/03/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	52.66	54.00	-1.34	7.79	3	Vertical	302	1.63	-	44.87	31.27	5.87	29.35
AV	7.3867G	42.53	54.00	-11.47	13.13	3	Vertical	156	1.50	-	29.40	36.21	7.34	30.42
AV	11.633G	42.79	54.00	-11.21	18.03	3	Vertical	300	1.03	-	24.76	39.25	9.57	30.79
AV	17.4795G	51.33	54.00	-2.67	23.29	3	Vertical	170	1.50	-	28.04	43.26	11.48	31.45
PK	4.924G	55.44	74.00	-18.56	7.79	3	Vertical	302	1.63	-	47.65	31.27	5.87	29.35
PK	7.3864G	53.29	74.00	-20.71	13.13	3	Vertical	156	1.50	-	40.16	36.21	7.34	30.42
PK	11.6662G	57.22	74.00	-16.78	18.00	3	Vertical	300	1.03	-	39.22	39.20	9.59	30.79
PK	17.4525G	64.63	74.00	-9.37	23.10	3	Vertical	170	1.50	-	41.53	43.09	11.47	31.46

Radiation-above 1GHz_Mode 1

09/03/2020



P2

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	47.50	54.00	-6.50	7.79	3	Horizontal	245	1.41	-	39.71	31.27	5.87	29.35
AV	7.3867G	44.91	54.00	-9.09	13.13	3	Horizontal	312	2.17	-	31.78	36.21	7.34	30.42
AV	11.635G	42.81	54.00	-11.19	18.03	3	Horizontal	144	1.50	-	24.78	39.25	9.57	30.79
AV	17.4717G	51.50	54.00	-2.50	23.24	3	Horizontal	258	1.54	-	28.26	43.21	11.48	31.45
PK	4.924G	51.73	74.00	-22.27	7.79	3	Horizontal	245	1.41	-	43.94	31.27	5.87	29.35
PK	7.3847G	54.42	74.00	-19.58	13.14	3	Horizontal	312	2.17	-	41.28	36.22	7.34	30.42
PK	11.6739G	56.70	74.00	-17.30	17.99	3	Horizontal	144	1.50	-	38.71	39.19	9.59	30.79
PK	17.4817G	64.45	74.00	-9.55	23.31	3	Horizontal	258	1.54	-	41.14	43.28	11.48	31.45