

FCC Test Report

FCC ID : H8NSAX1V1K
Equipment : WiFi 6 Router
Model Name : SAX1V1K
Applicant : ASKEY COMPUTER CORPORATION
10F, No. 119, Jiankang Road, Zhonghe Dist.,
New Taipei City, Taiwan
Manufacturer : ASKEY COMPUTER CORPORATION
10F, No. 119, Jiankang Road, Zhonghe Dist.,
New Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Aug. 30, 2019, and testing was started from Aug. 30, 2019 and completed on May 26, 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	9
2 TEST CONFIGURATION OF EUT	10
2.1 Test Condition	10
2.2 Test Channel Mode	10
2.3 The Worst Case Measurement Configuration.....	12
2.4 Accessories	13
2.5 Support Equipment.....	13
2.6 Test Setup Diagram	15
3 TRANSMITTER TEST RESULT	16
3.1 AC Power-line Conducted Emissions	16
3.2 DTS Bandwidth	18
3.3 Maximum Conducted Output Power	19
3.4 Power Spectral Density	21
3.5 Emissions in Non-restricted Frequency Bands	22
3.6 Emissions in Restricted Frequency Bands.....	23
4 TEST EQUIPMENT AND CALIBRATION DATA	27
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR9N1813-01AC	01	Initial issue of report	Jun. 09, 2020
FR9N1813-01AC	02	Revised typo This report is the latest version replacing for the report issued on Jun. 09, 2020.	Jun. 23, 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: Amber Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

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

Non - Beamforming

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	802.11ax HEW20	20	4TX
2.4-2.4835GHz	VHT40	40	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	VHT20-BF	20	4TX
2.4-2.4835GHz	VHT40-BF	40	4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	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.	Brand	Model Name	Antenna Type	Connector
1	Airgain	N/A	PCB antenna	N/A
2	Airgain	N/A	PCB antenna	N/A
3	Airgain	N/A	PCB antenna	N/A
4	Airgain	N/A	PCB antenna	N/A
5	Airgain	N/A	PCB antenna	N/A
6	Airgain	N/A	PCB antenna	N/A
7	Airgain	N/A	PCB antenna	N/A
8	Airgain	N/A	PCB antenna	N/A

Ant.	Gain (dBi)				
	Peak Gain				
	2.4G	5G			
		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1~4	4.4	-	-	-	-
5~8	-	4.7	5.2	5.7	5.7

Ant.	Gain (dBi)				
	Correlated Gain				
	2.4G	5G			
		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1~4	6.9	-	-	-	-
5~8	-	6.9	6.6	6.9	6.8

Note 1: The EUT has eight antennas.

For 2.4GHz function:

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

Ant. 1 ~4 could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 5 ~8 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

Non - Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq \frac{1}{T}$
802.11b_Nss1,(1Mbps)_4TX	0.623	2.06	666.25u	3k
802.11g_Nss1,(6Mbps)_4TX	0.935	0.29	1.978m	1k
VHT20_Nss1,(MCS0)_4TX	0.934	0.3	5.43m	300
VHT40_Nss1,(MCS0)_4TX	0.874	0.58	5.43m	300
802.11ax HEW20_Nss1,(MCS0)_4TX	0.953	0.21	5.447m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.926	0.33	5.447m	300

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

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq \frac{1}{T}$
VHT20-BF_Nss1,(MCS0)_4TX	0.87	0.6	1.949m	1k
VHT40-BF_Nss1,(MCS0)_4TX	0.939	0.27	1.949m	1k
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.832	0.8	1.502m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.806	0.94	1.502m	1k

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

1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013

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

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

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☒	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	22.3~24.5°C / 62~68%	06/May/2020
RF Conducted	TH01-HY	Barry Hsiao	22.5~25.8°C / 51~67%	19/Sep/2019~ 26/May/2020
Radiated	03CH09-HY	Lego Lin	20.3~23.1°C / 55~61%	30/Aug/2019~ 27/Sep/2019 28/Apr/2020~ 21/May/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	QSPR
---------------	------

Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	22.5
2417MHz	23.5
2437MHz	23.5
2457MHz	21
2462MHz	20.5
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	23.5
2417MHz	23.5
2437MHz	23.5
2457MHz	23.5
2462MHz	23.5
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	23.5
2417MHz	23.5
2437MHz	23.5
2457MHz	23.5
2462MHz	23.5
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	23
2427MHz	23.5
2437MHz	23.5
2452MHz	23
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	23.5



Mode	Power Setting
2417MHz	23.5
2437MHz	23.5
2457MHz	23.5
2462MHz	23.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	23
2427MHz	23
2437MHz	23
2447MHz	23
2452MHz	23

Beamforming

Mode	Power Setting
VHT20-BF_Nss1,(MCS0)_4TX	-
2412MHz	27.5
2437MHz	28.5
2462MHz	28.5
VHT40-BF_Nss1,(MCS0)_4TX	-
2422MHz	27.5
2437MHz	27.5
2452MHz	28.5
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	27.5
2437MHz	28.5
2462MHz	28.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	27.5
2437MHz	27.5
2452MHz	28.5

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	AC 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	AC 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
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA9N1813-01 for Co-location RF Exposure Evaluation.	



2.4 Accessories

Accessories				
AC Adapter 1	Brand Name	FLYPOWER	Model Name	PS36L120K3000UD
	Power Rating	I/P: 100 - 120Vac, 1.0 A, O/P: 12.0 Vdc, 3.0 A		
	Power Cord	1.5 meter, Non-Shielded cable, w/o ferrite core		
AC Adapter 2	Brand Name	Sunny	Model Name	SYS1620L-3612-W2
	Power Rating	I/P: 90 - 135Vac, 47-63Hz, 1.5 A, O/P: 12.0 Vdc, 3.0 A		
	Power Cord	1.5 meter, Non-Shielded cable, w/o ferrite core		
RJ45 Cable	Cable	1.75 meter, non-shielded cable, w/o ferrite core		

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

2.5 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Notebook for BF	DELL	E5410	-	-
4	Adapter for NB for BF	DELL	HA65NM130	-	-
5	Client	Askey	RT5010W-D187	-	-

Note: Support equipment No.5 was provided by customer.

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	Dell	PP13S	-	-
2	Adapter for NB	Dell	AA90PM111	-	-
3	RJ-45 cable	Power sync	CAT-6E-10		
4	Notebook (Remote)	Dell	PP13S	-	-
5	Adapter for NB (Remote)	Dell	AA90PM111	-	-
6	Client (Remote)	Askey	RT5010W-D187	-	-
7	RJ-45 cable (Remote)	Power sync	CAT-6E--01	-	-
8	AC Power Cablex3 (Remote)	Power sync	PW-GPC180-3	-	-

Note: Support equipment No.6 was provided by customer.

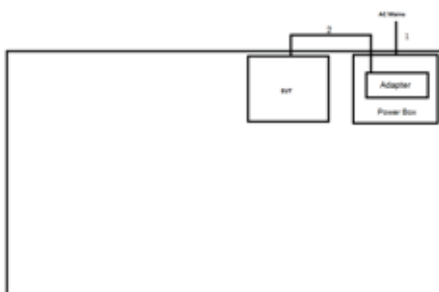


Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	Dell	PP13S	-	-
2	Adapter for NB	Dell	AA90PM111	-	-
3	RJ-45 cable	Power sync	CAT-6E-10		
4	Notebook (Remote)	Dell	PP13S	-	-
5	Adapter for NB (Remote)	Dell	AA90PM111	-	-
6	Client (Remote)	Askey	RT5010W-D187	-	-
7	RJ-45 cable (Remote)	Power sync	CAT-6E--01	-	-
8	AC Power Cablex3 (Remote)	Power sync	PW-GPC180-3	-	-

Note: Support equipment No.6 was provided by customer.

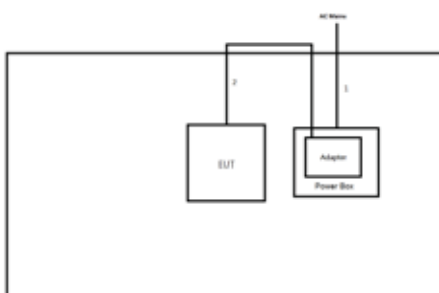
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

Test Setup Diagram - Radiated Test



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

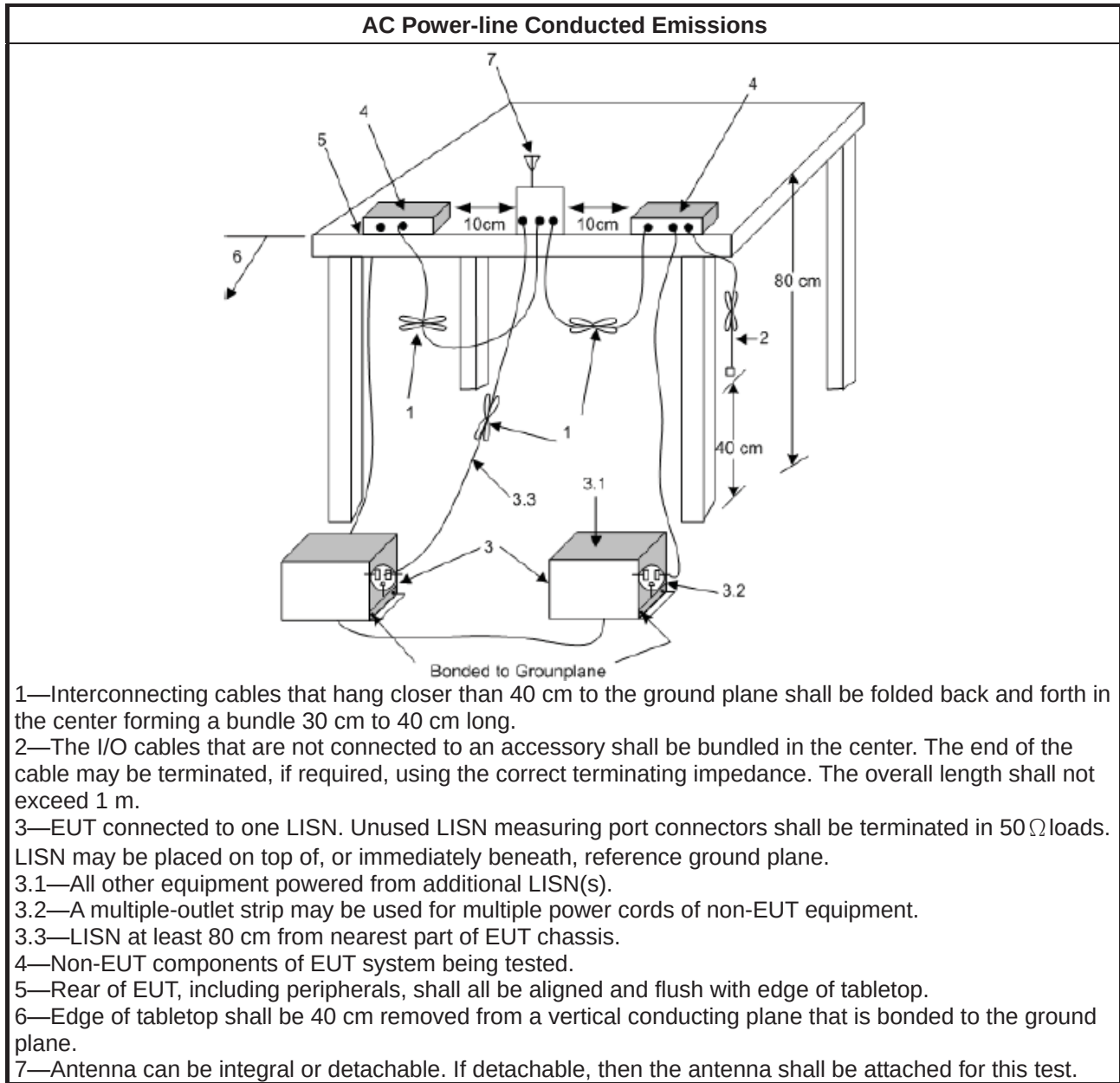
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

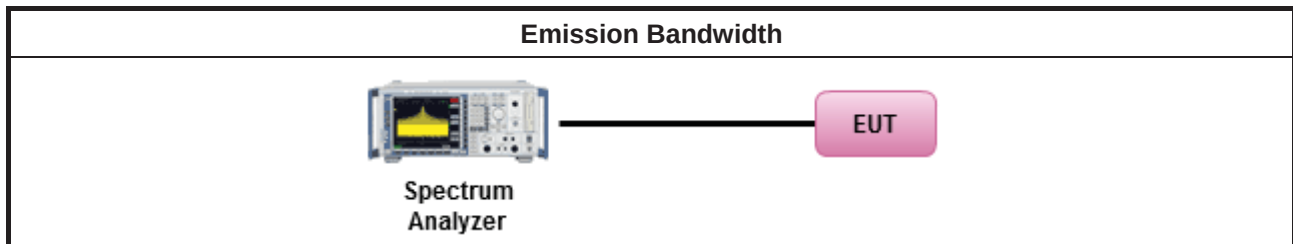
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

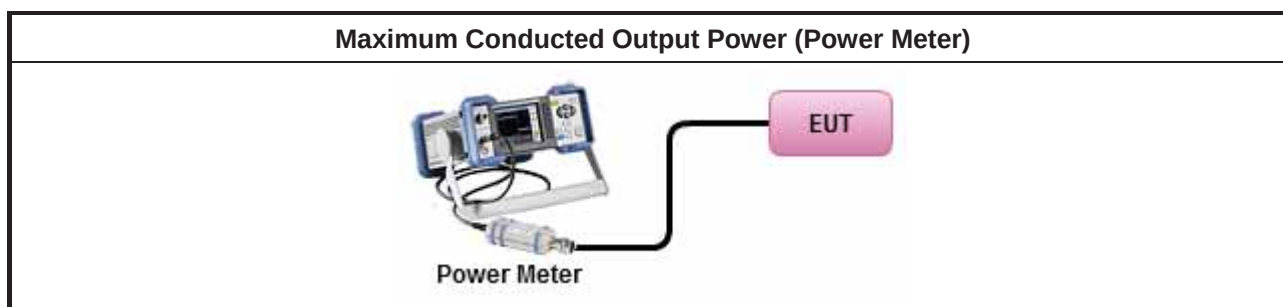
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

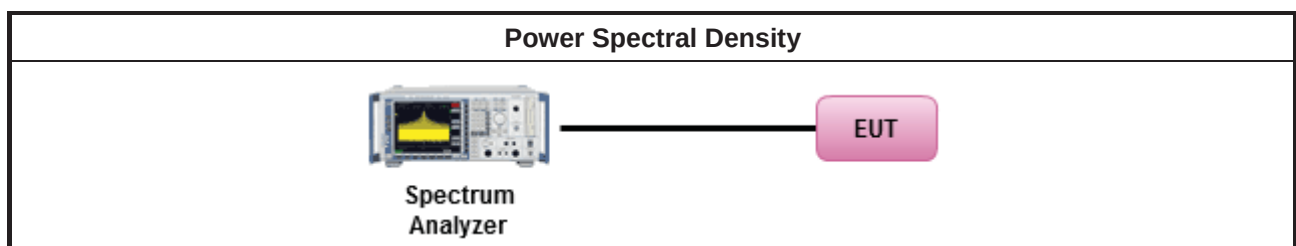
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

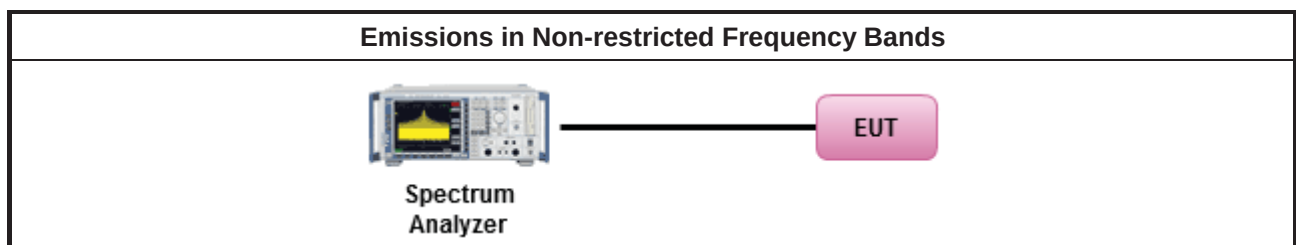
3.5.2 Measuring Instruments

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.

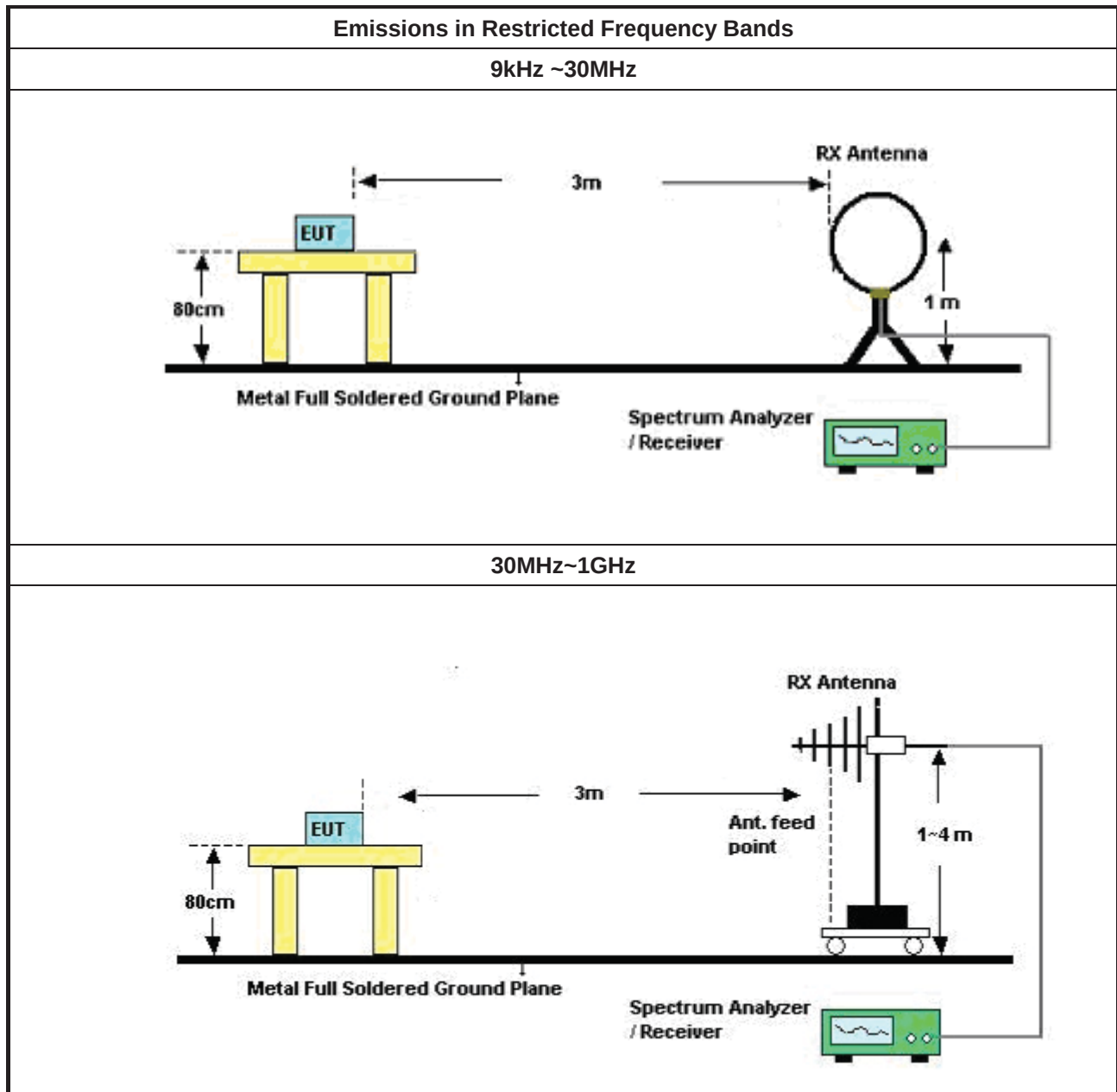
3.6.2 Measuring Instruments

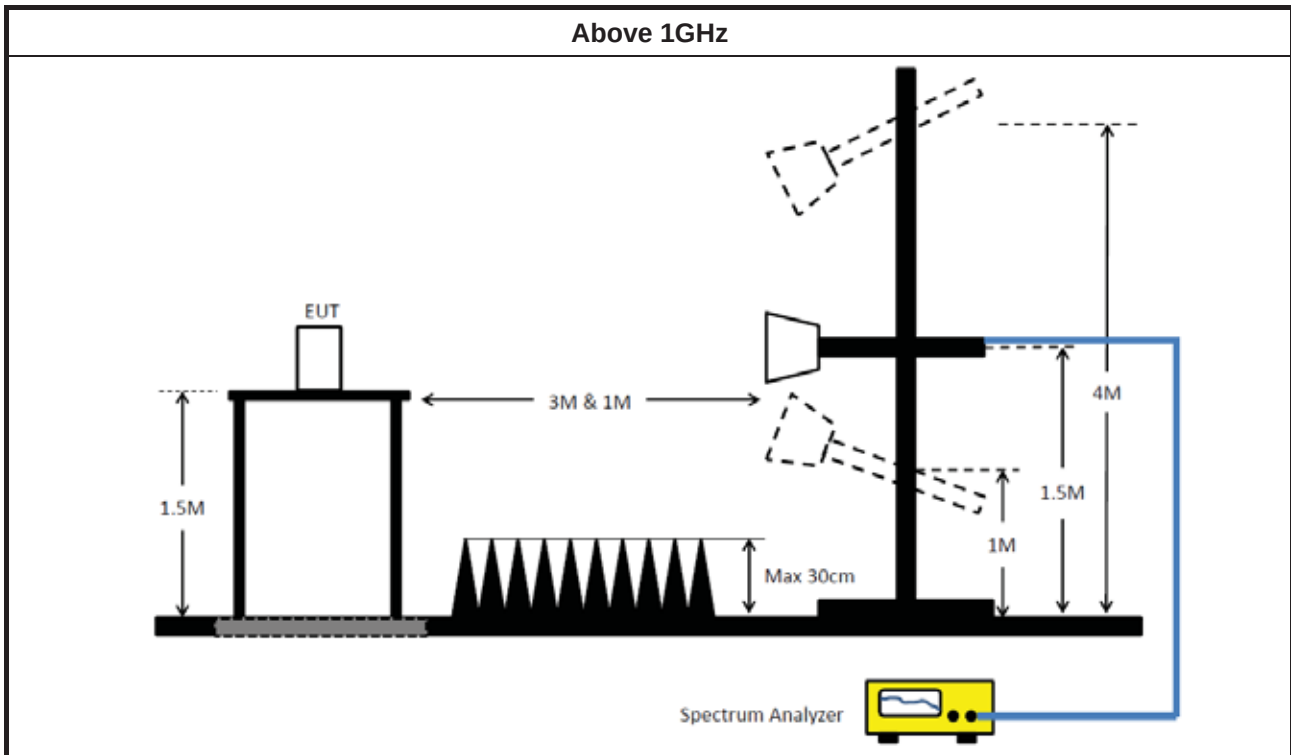
Refer a test equipment and calibration data table in this test report.

**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	102051	9kHz ~ 3.6GHz	28/May/2019	27/May/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	04/Nov/2019	03/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
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	15/Aug/2019	14/Aug/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	17/Feb/2020	16/Feb/2021
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**

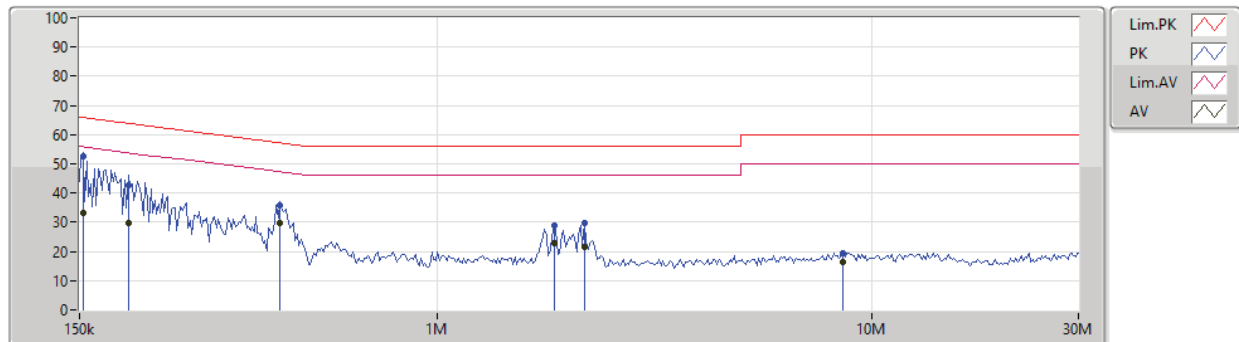
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	27/Mar/2020	26/Mar/2021
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	20/Mar/2019	19/Mar/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	19/Mar/2020	18/Mar/2021
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	20/Mar/2019	19/Mar/2020
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2019	22/Oct/2020
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	03/Sep/2020	02/Sep/2021
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	22/Apr/2019	21/Apr/2020
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	14/Apr/2020	13/Apr/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	27/May/2020	26/May/2021
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	07/Aug/2019	06/Aug/2020
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	04/Oct/2018	03/Oct/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	11/Oct/2019	10/Oct/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	04/Aug/2020	03/Aug/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz-30MHz	15/Mar/2019	14/Mar/2020
Loop Antenna	TESEQ	HLA 6120	31244	9kHz-30MHz	16/Mar/2020	15/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	13/Mar/2019	12/Mar/2020
RF Cable-R03m	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	12/Feb/2020	11/Feb/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	13/Mar/2019	12/Mar/2020
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	12/Feb/2020	11/Feb/2021



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode ; WIFI 2.4G TX		

06/05/2020



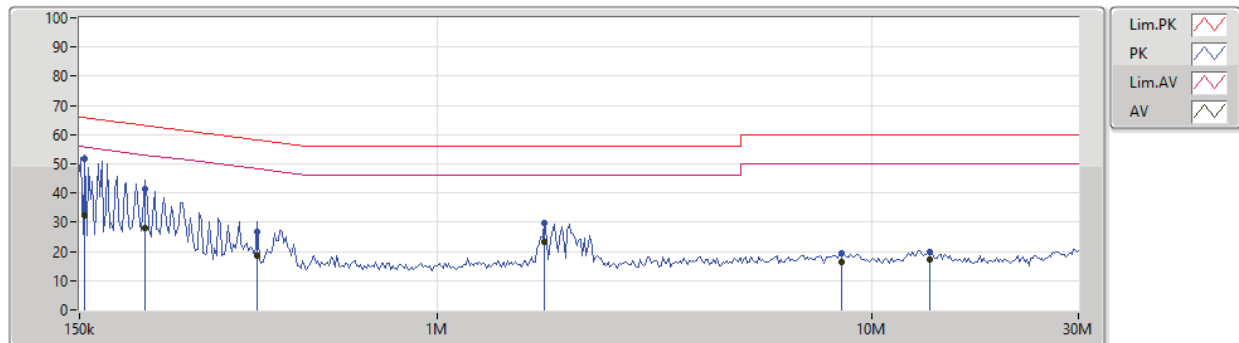
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.015k	52.44	65.83	-13.39	19.63	Neutral	"Worst"	32.81	9.65	0.11	9.87			
AV	153.015k	33.28	55.83	-22.55	19.63	Neutral	-	13.65	9.65	0.11	9.87			
QP	194.288k	42.70	63.86	-21.16	19.62	Neutral	-	23.08	9.64	0.11	9.87			
AV	194.288k	29.61	53.86	-24.25	19.62	Neutral	-	9.99	9.64	0.11	9.87			
QP	434.989k	35.68	57.17	-21.49	19.63	Neutral	-	16.05	9.63	0.13	9.87			
AV	434.989k	29.88	47.17	-17.29	19.63	Neutral	-	10.25	9.63	0.13	9.87			
QP	1.86M	28.94	56.00	-27.06	19.66	Neutral	-	9.28	9.65	0.14	9.87			
AV	1.86M	22.70	46.00	-23.30	19.66	Neutral	-	3.04	9.65	0.14	9.87			
QP	2.18M	29.62	56.00	-26.38	19.67	Neutral	-	9.95	9.65	0.15	9.87			
AV	2.18M	21.34	46.00	-24.66	19.67	Neutral	-	1.67	9.65	0.15	9.87			
QP	8.608M	19.52	60.00	-40.48	19.82	Neutral	-	-0.30	9.69	0.25	9.88			
AV	8.608M	16.49	50.00	-33.51	19.82	Neutral	-	-3.33	9.69	0.25	9.88			



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter mode ; WIFI 2.4G TX		

06/05/2020



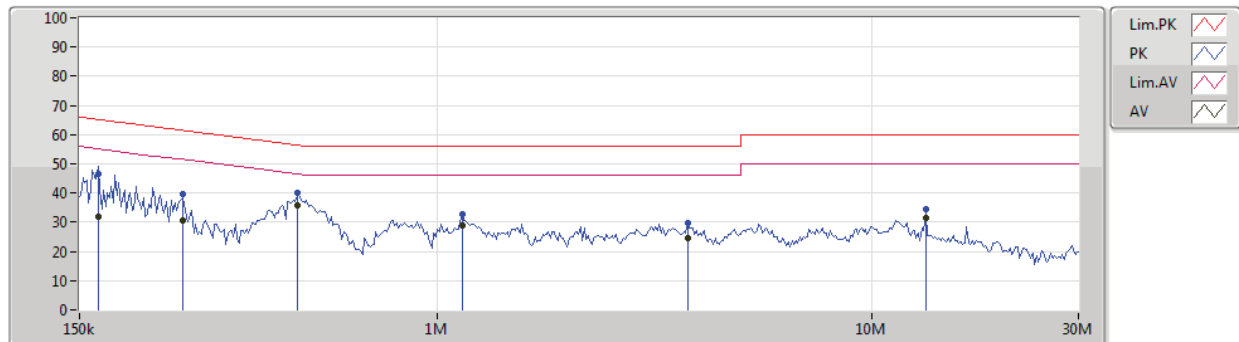
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.545k	51.90	65.75	-13.85	19.64	Line	"Worst"	32.26	9.66	0.11	9.87			
AV	154.545k	32.21	55.75	-23.54	19.64	Line	-	12.57	9.66	0.11	9.87			
QP	212.49k	41.28	63.11	-21.83	19.63	Line	-	21.65	9.65	0.11	9.87			
AV	212.49k	27.90	53.11	-25.21	19.63	Line	-	8.27	9.65	0.11	9.87			
QP	386.031k	26.65	58.14	-31.49	19.64	Line	-	7.01	9.64	0.13	9.87			
AV	386.031k	18.42	48.14	-29.72	19.64	Line	-	-1.22	9.64	0.13	9.87			
QP	1.769M	29.60	56.00	-26.40	19.66	Line	-	9.94	9.65	0.14	9.87			
AV	1.769M	23.18	46.00	-22.82	19.66	Line	-	3.52	9.65	0.14	9.87			
QP	8.523M	19.27	60.00	-40.73	19.81	Line	-	-0.54	9.68	0.25	9.88			
AV	8.523M	16.37	50.00	-33.63	19.81	Line	-	-3.44	9.68	0.25	9.88			
QP	13.604M	19.94	60.00	-40.06	19.85	Line	-	0.09	9.67	0.30	9.88			
AV	13.604M	17.04	50.00	-32.96	19.85	Line	-	-2.81	9.67	0.30	9.88			



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	AC Adapter mode ;WIFI 2.4G-BF TX		

06/05/2020



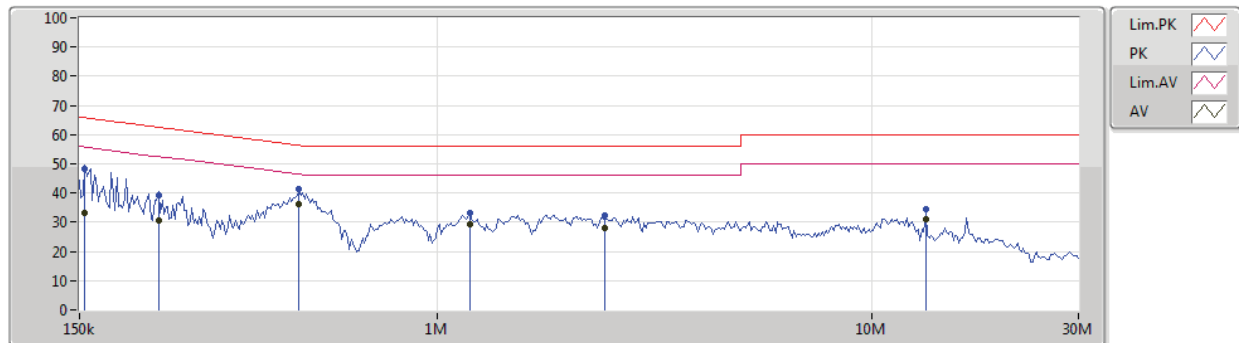
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	165.693k	46.54	65.18	-18.64	19.63	Neutral	-	26.91	9.65	0.11	9.87			
AV	165.693k	32.09	55.18	-23.09	19.63	Neutral	-	12.46	9.65	0.11	9.87			
QP	259.279k	39.72	61.45	-21.73	19.63	Neutral	-	20.09	9.64	0.12	9.87			
AV	259.279k	30.60	51.45	-20.85	19.63	Neutral	-	10.97	9.64	0.12	9.87			
QP	475.741k	40.05	56.42	-16.37	19.63	Neutral	-	20.42	9.63	0.13	9.87			
AV	475.741k	35.60	46.42	-10.82	19.63	Neutral	"Worst"	15.97	9.63	0.13	9.87			
QP	1.142M	32.61	56.00	-23.39	19.63	Neutral	-	12.98	9.63	0.12	9.88			
AV	1.142M	28.91	46.00	-17.09	19.63	Neutral	-	9.28	9.63	0.12	9.88			
QP	3.769M	29.94	56.00	-26.06	19.72	Neutral	-	10.22	9.66	0.18	9.88			
AV	3.769M	24.78	46.00	-21.22	19.72	Neutral	-	5.06	9.66	0.18	9.88			
QP	13.336M	34.60	60.00	-25.40	19.89	Neutral	-	14.71	9.71	0.30	9.88			
AV	13.336M	31.45	50.00	-18.55	19.89	Neutral	-	11.56	9.71	0.30	9.88			



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	AC Adapter mode ;WIFI 2.4G-BF TX		

06/05/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.545k	48.19	65.75	-17.56	19.64	Line	-	28.55	9.66	0.11	9.87			
AV	154.545k	33.31	55.75	-22.44	19.64	Line	-	13.67	9.66	0.11	9.87			
QP	227.818k	39.14	62.52	-23.38	19.64	Line	-	19.50	9.65	0.12	9.87			
AV	227.818k	30.73	52.52	-21.79	19.64	Line	-	11.09	9.65	0.12	9.87			
QP	480.498k	41.24	56.33	-15.09	19.64	Line	-	21.60	9.64	0.13	9.87			
AV	480.498k	36.39	46.33	-9.94	19.64	Line	"Worst"	16.75	9.64	0.13	9.87			
QP	1.188M	33.03	56.00	-22.97	19.64	Line	-	13.39	9.64	0.12	9.88			
AV	1.188M	29.41	46.00	-16.59	19.64	Line	-	9.77	9.64	0.12	9.88			
QP	2.433M	32.14	56.00	-23.86	19.68	Line	-	12.46	9.65	0.16	9.87			
AV	2.433M	27.83	46.00	-18.17	19.68	Line	-	8.15	9.65	0.16	9.87			
QP	13.336M	34.54	60.00	-25.46	19.85	Line	-	14.69	9.67	0.30	9.88			
AV	13.336M	31.21	50.00	-18.79	19.85	Line	-	11.36	9.67	0.30	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	8.05M	13.093M	13M1G1D	7.1M	12.754M
802.11g_Nss1,(6Mbps)_4TX	16.3M	16.442M	16M4D1D	15.9M	16.392M
VHT20_Nss1,(MCS0)_4TX	17.55M	17.666M	17M7D1D	16.875M	17.566M
VHT40_Nss1,(MCS0)_4TX	36.3M	36.182M	36M2D1D	34M	35.982M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.95M	18.966M	19M0D1D	18.175M	18.891M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.1M	37.881M	37M9D1D	36.8M	37.681M

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;



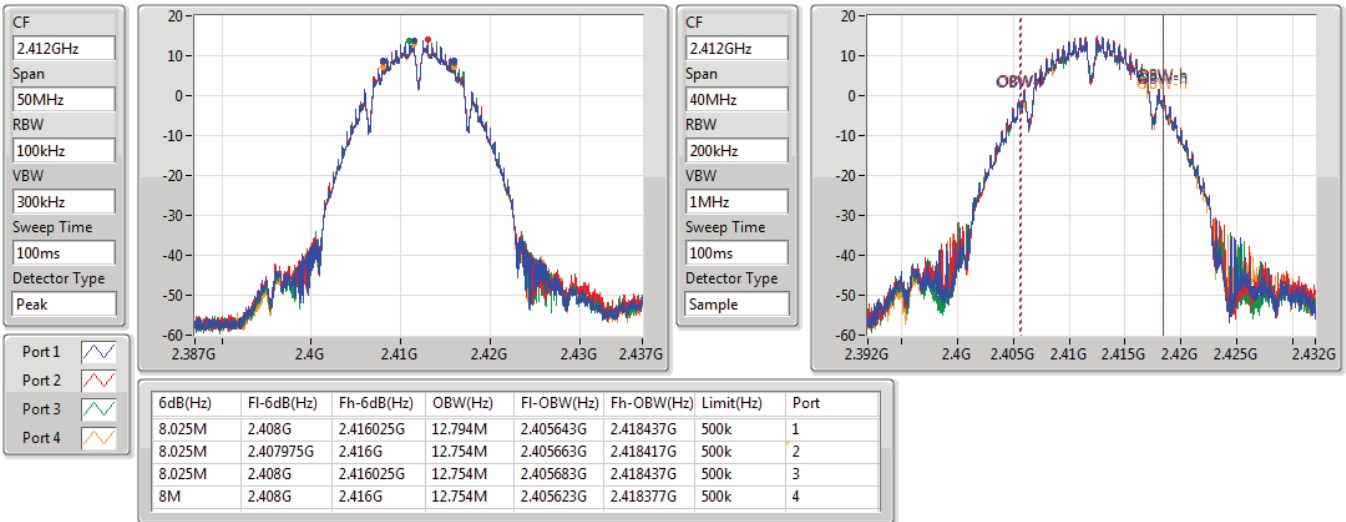
Result

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	8.025M	12.794M	8.025M	12.754M	8.025M	12.754M	8M	12.754M
2437MHz	Pass	500k	8.025M	12.844M	8M	12.819M	7.575M	12.869M	7.55M	12.869M
2462MHz	Pass	500k	7.525M	13.013M	7.525M	13.013M	7.1M	13.053M	8.05M	13.093M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.05M	16.417M	16.05M	16.392M	16.3M	16.392M	16.3M	16.417M
2437MHz	Pass	500k	15.9M	16.392M	16.3M	16.392M	16.275M	16.417M	16.3M	16.392M
2462MHz	Pass	500k	16.025M	16.392M	16.05M	16.442M	16.3M	16.442M	16.3M	16.417M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.875M	17.591M	17.525M	17.616M	16.875M	17.591M	17.525M	17.591M
2437MHz	Pass	500k	17.125M	17.616M	17.3M	17.591M	17.5M	17.566M	17.525M	17.616M
2462MHz	Pass	500k	17.25M	17.591M	17.55M	17.666M	16.875M	17.616M	17.525M	17.666M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.7M	36.082M	35.95M	36.132M	35.55M	36.132M	36.3M	36.132M
2437MHz	Pass	500k	34M	36.082M	35M	36.082M	36.3M	36.182M	35.05M	36.082M
2452MHz	Pass	500k	35.65M	36.182M	35.65M	36.082M	35.9M	36.132M	35.7M	35.982M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.725M	18.941M	18.775M	18.966M	18.175M	18.891M	18.55M	18.941M
2437MHz	Pass	500k	18.775M	18.916M	18.625M	18.941M	18.375M	18.916M	18.625M	18.916M
2462MHz	Pass	500k	18.425M	18.941M	18.95M	18.941M	18.6M	18.941M	18.775M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.9M	37.731M	38.1M	37.781M	37.8M	37.781M	37.55M	37.881M
2437MHz	Pass	500k	37.65M	37.681M	38M	37.681M	37.15M	37.731M	36.8M	37.731M
2452MHz	Pass	500k	36.9M	37.681M	37.35M	37.681M	37.5M	37.781M	37.5M	37.731M

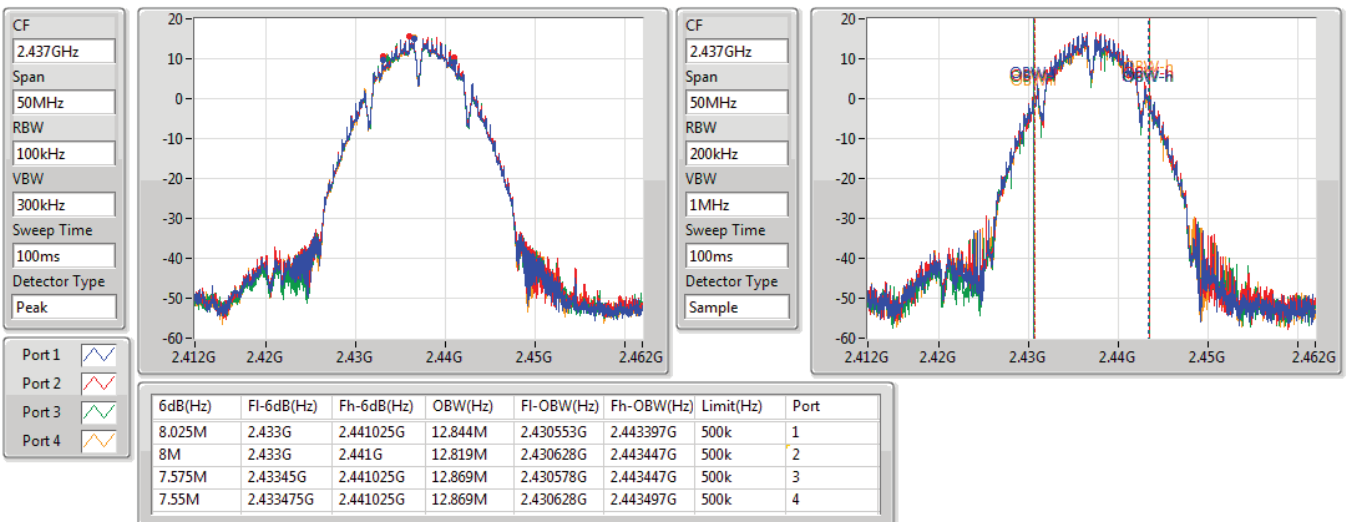
Port X-N dB = Port X 6dB down bandwidth; Port X-OBW = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

12/05/2020

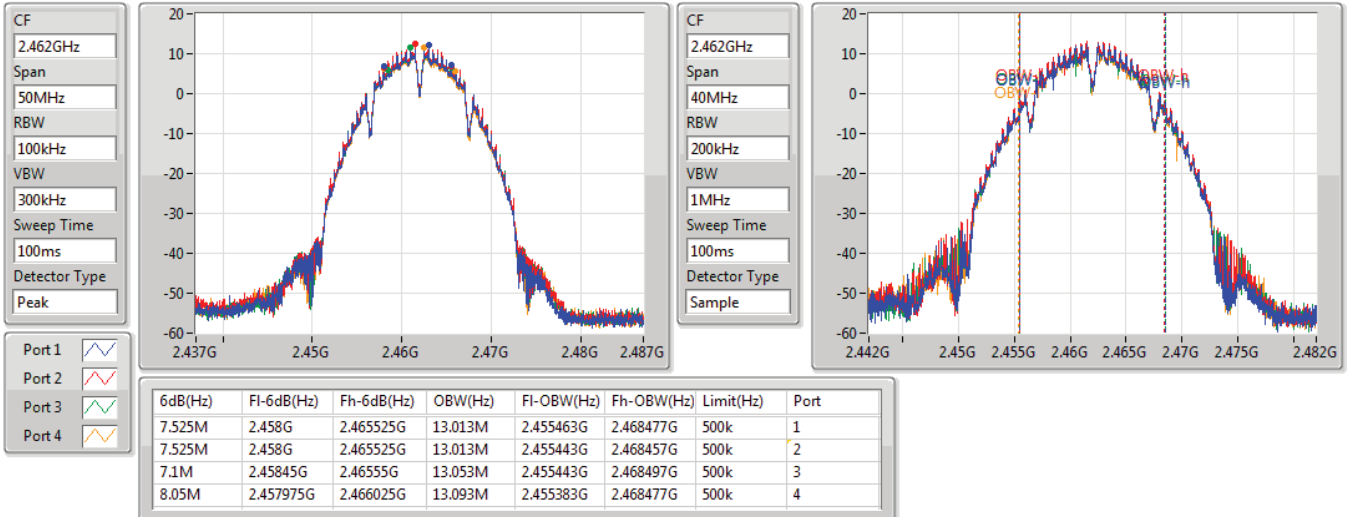

802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

08/05/2020

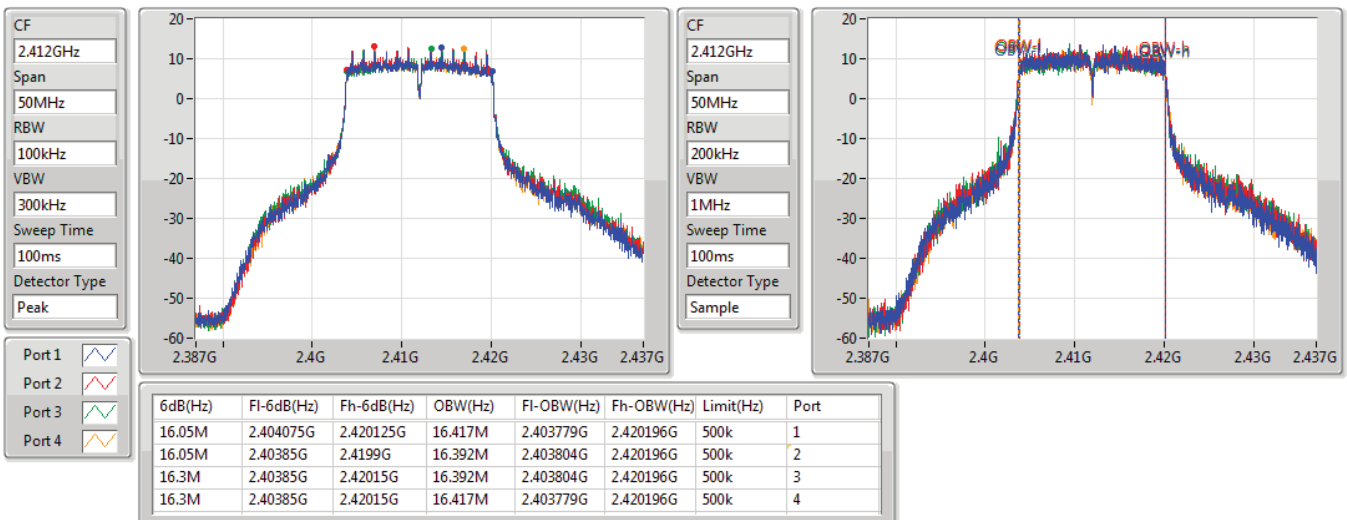


802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

12/05/2020


802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

08/05/2020

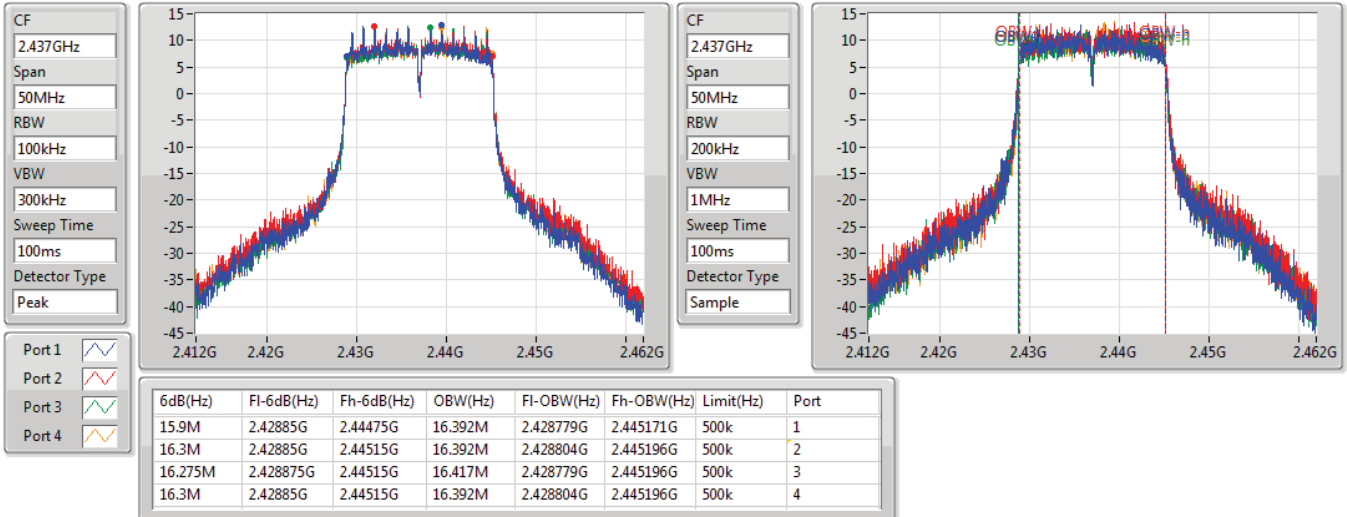


802.11g_Nss1,(6Mbps)_4TX

EBW

2437MHz

08/05/2020

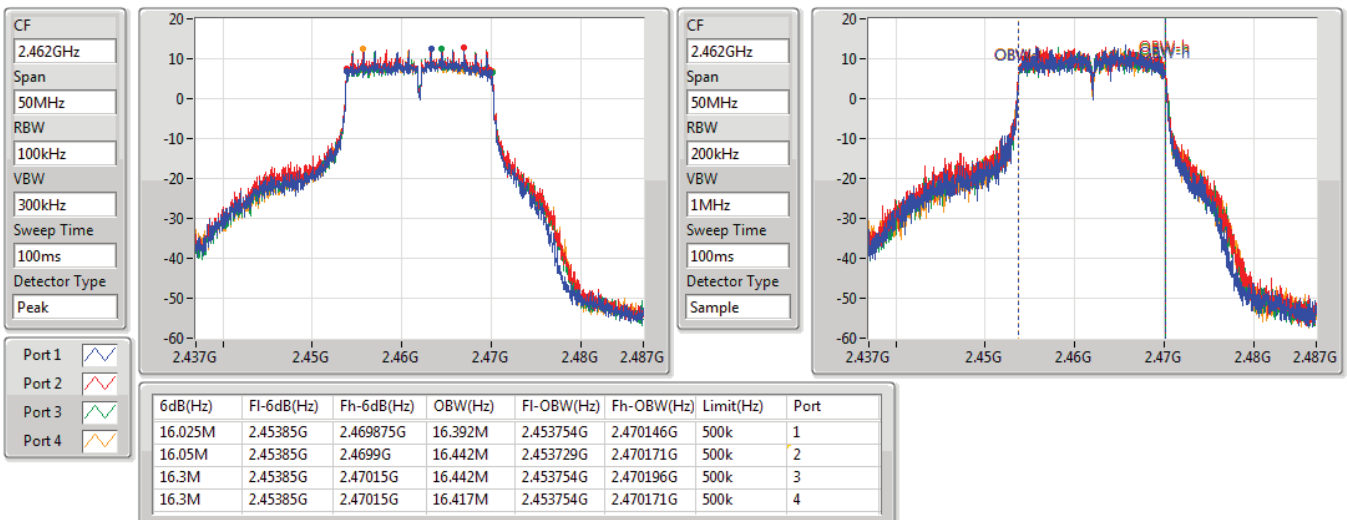


802.11g_Nss1,(6Mbps)_4TX

EBW

2462MHz

08/05/2020

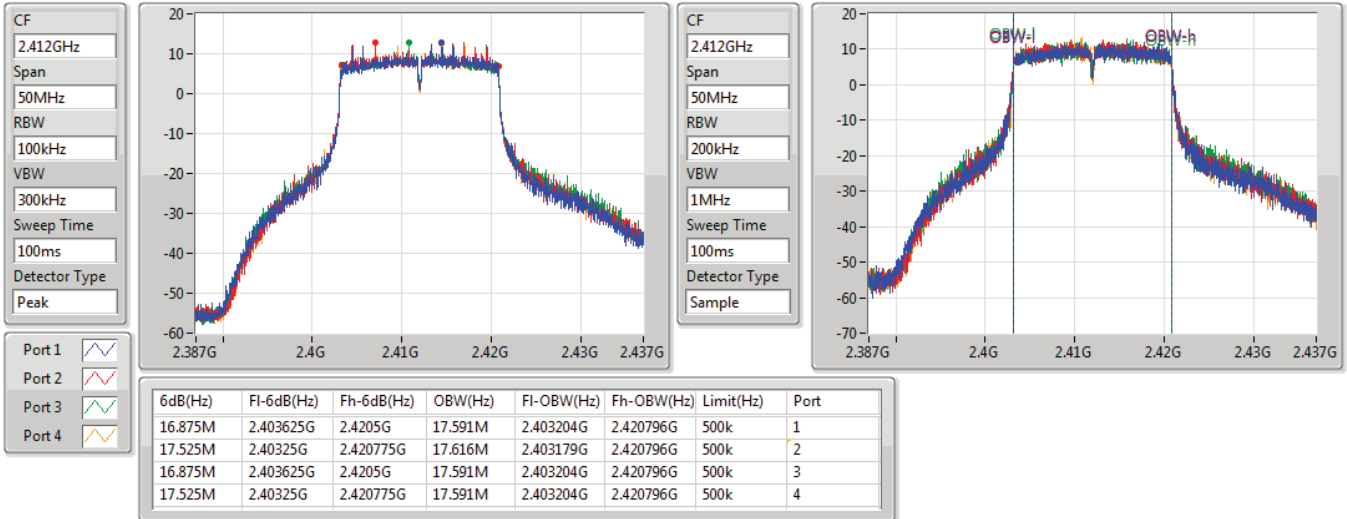


VHT20_Nss1,(MCS0)_4TX

EBW

2412MHz

08/05/2020

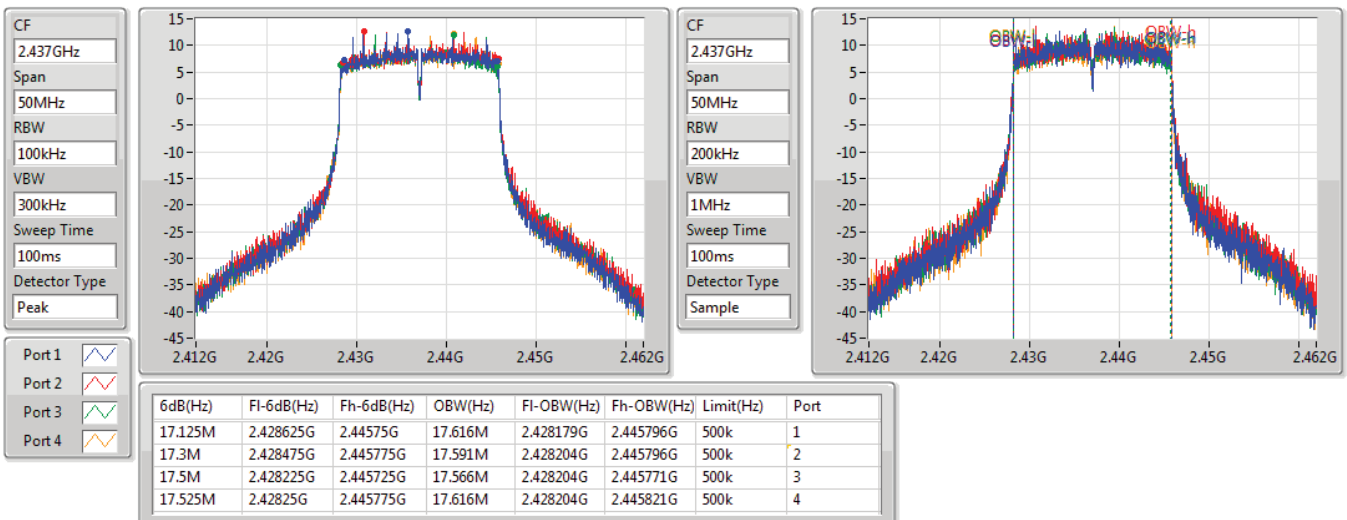


VHT20_Nss1,(MCS0)_4TX

EBW

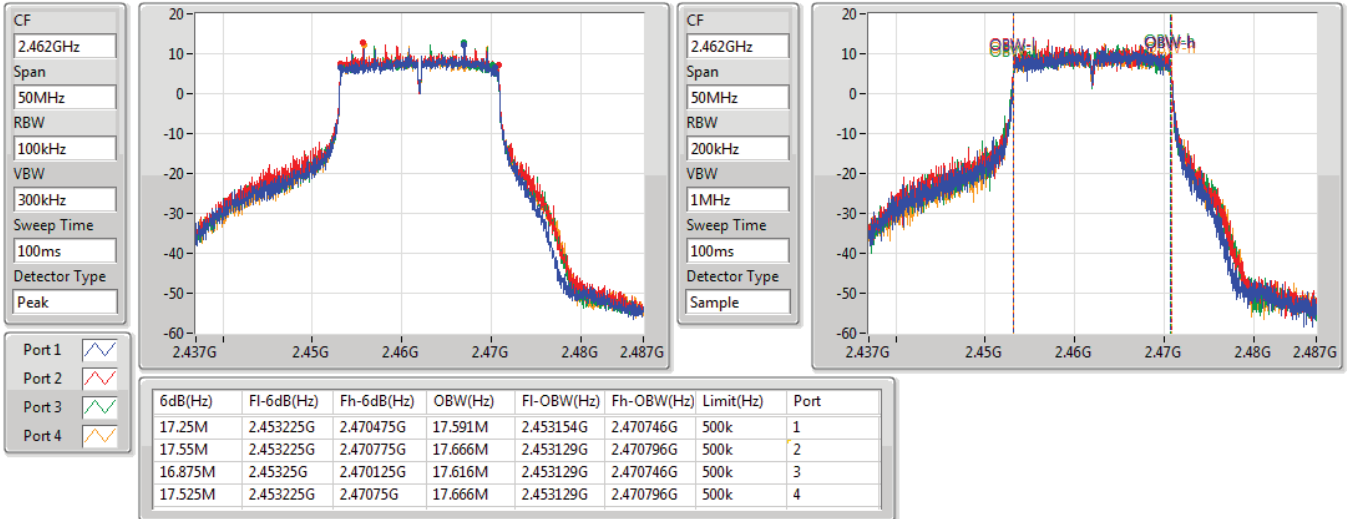
2437MHz

08/05/2020

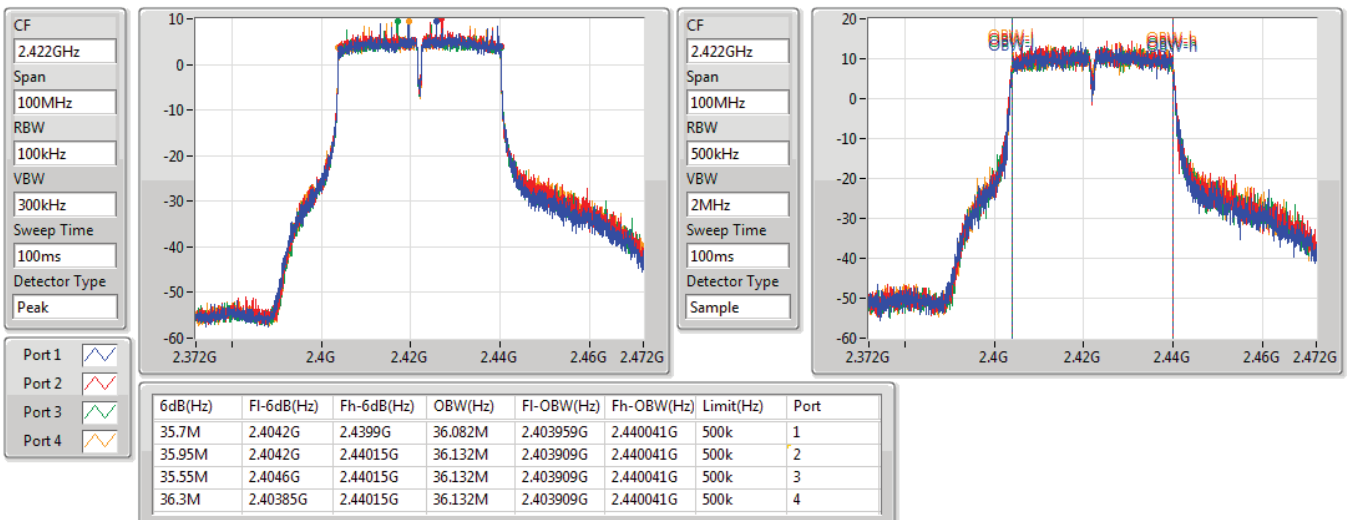


VHT20_Nss1,(MCS0)_4TX
EBW
2462MHz

08/05/2020


VHT40_Nss1,(MCS0)_4TX
EBW
2422MHz

08/05/2020

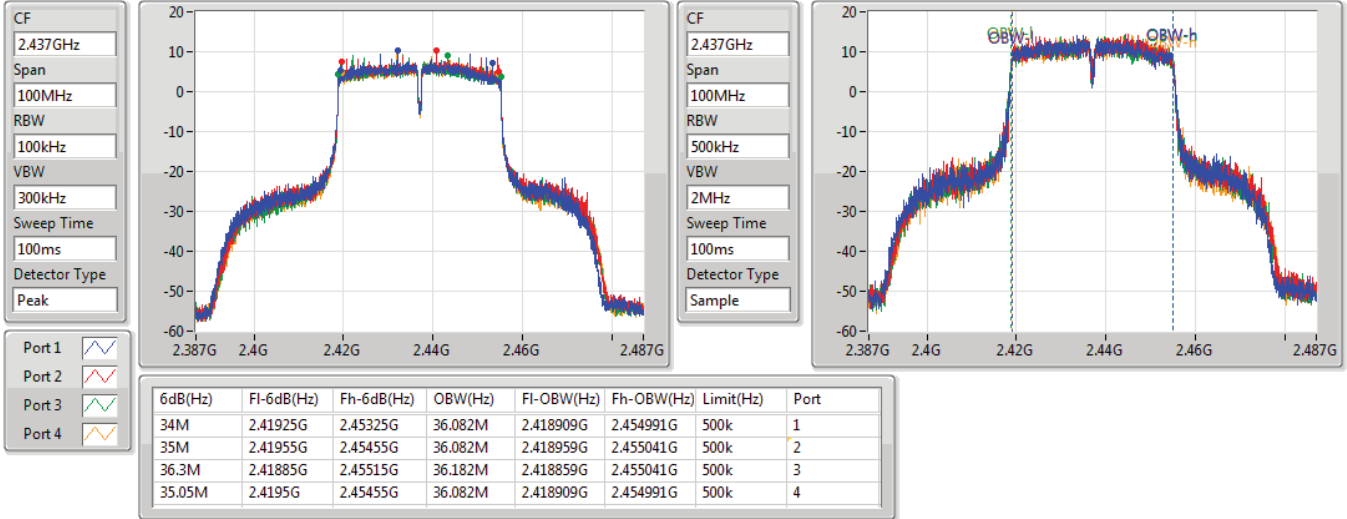


VHT40_Nss1,(MCS0)_4TX

EBW

2437MHz

08/05/2020

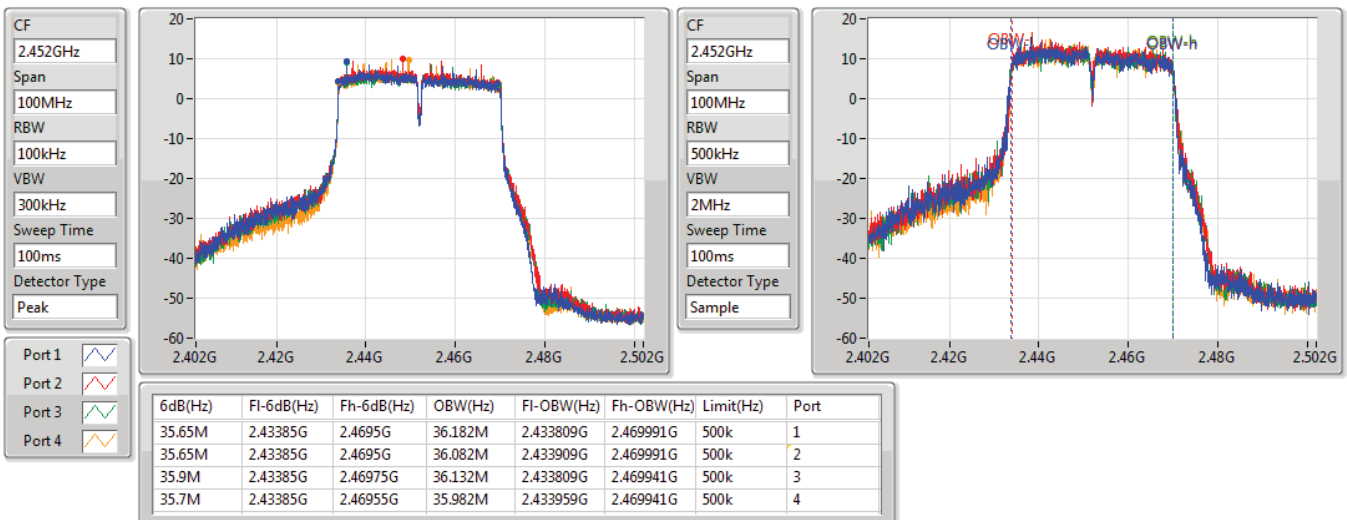


VHT40_Nss1,(MCS0)_4TX

EBW

2452MHz

08/05/2020

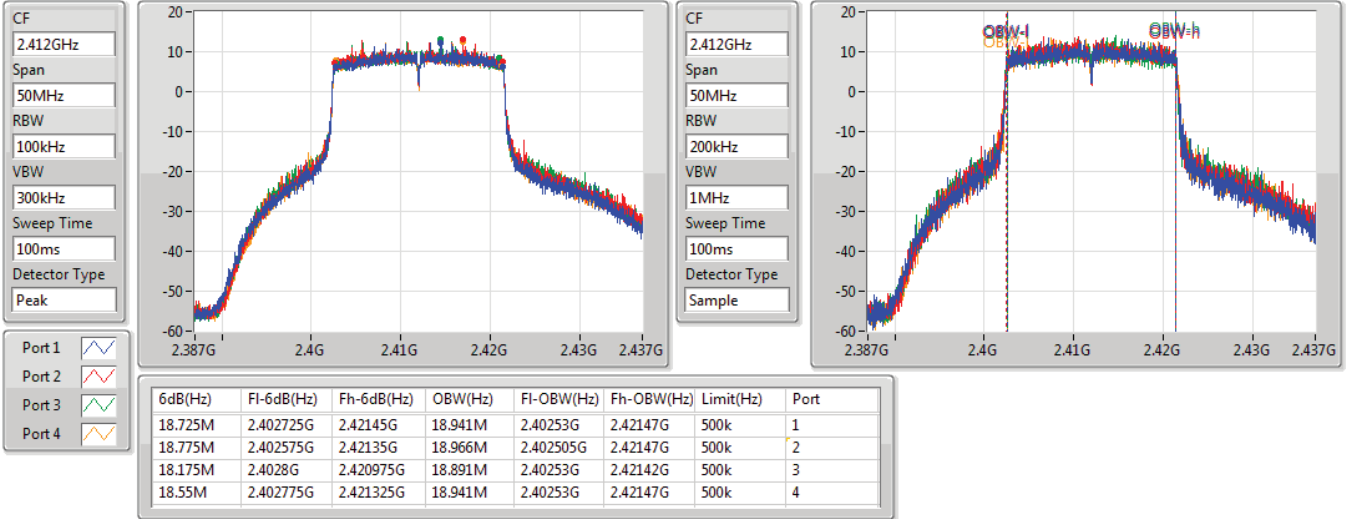


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2412MHz

08/05/2020

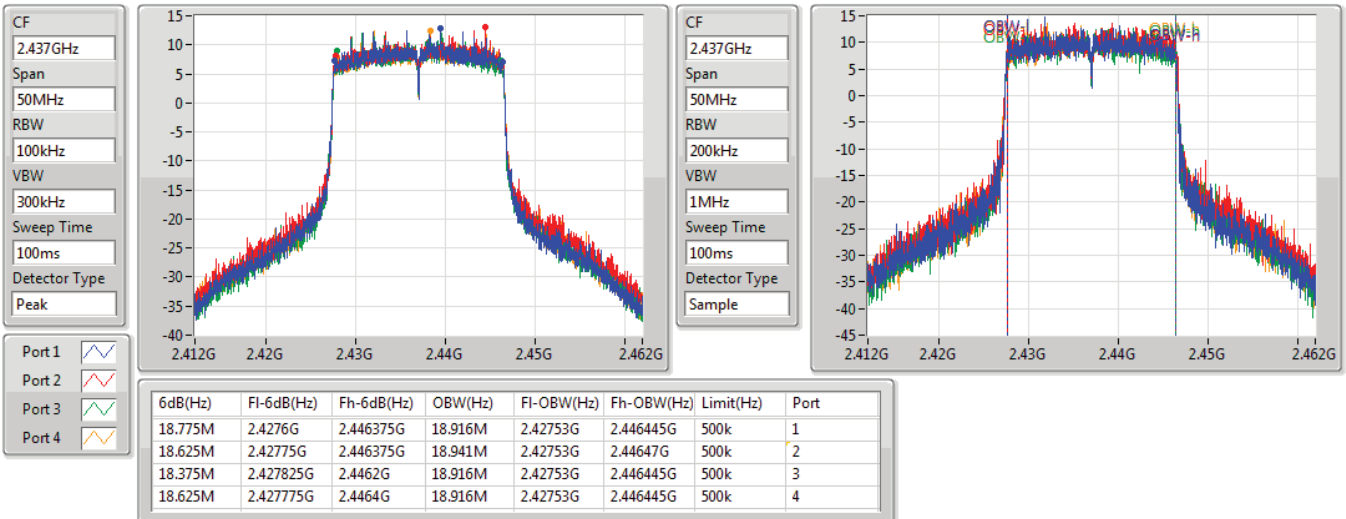


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

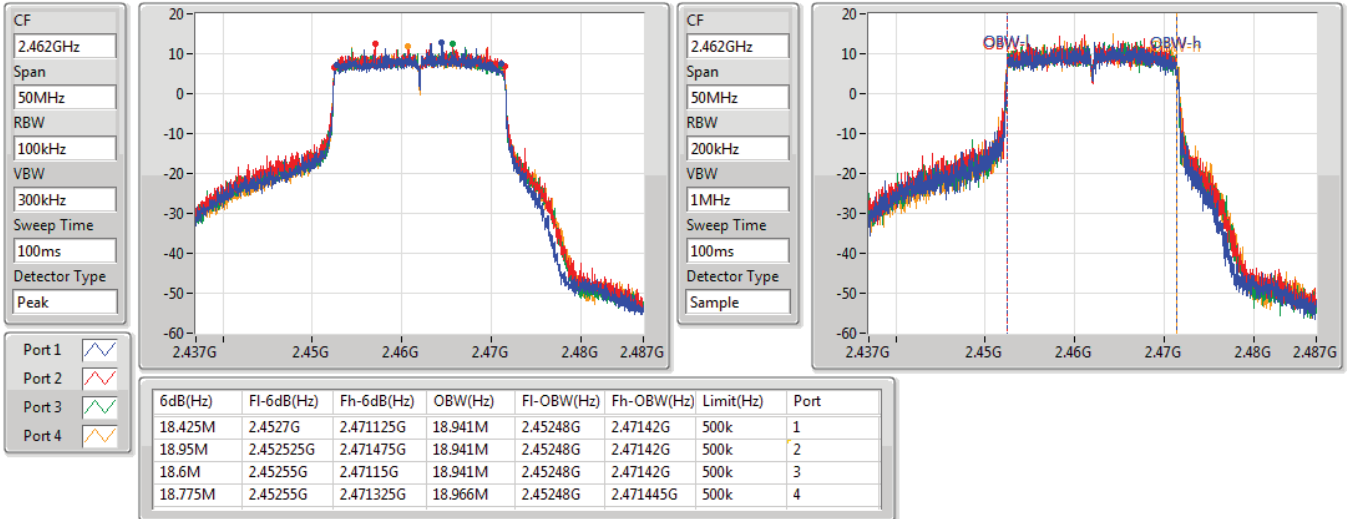
2437MHz

08/05/2020

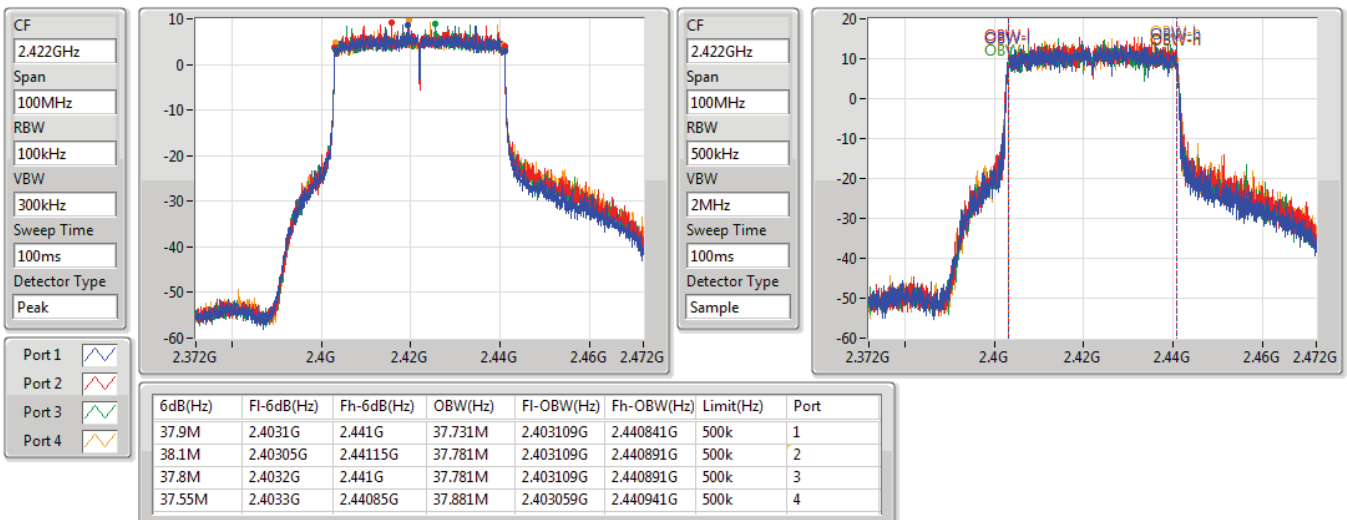


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2462MHz

08/05/2020


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2422MHz

08/05/2020

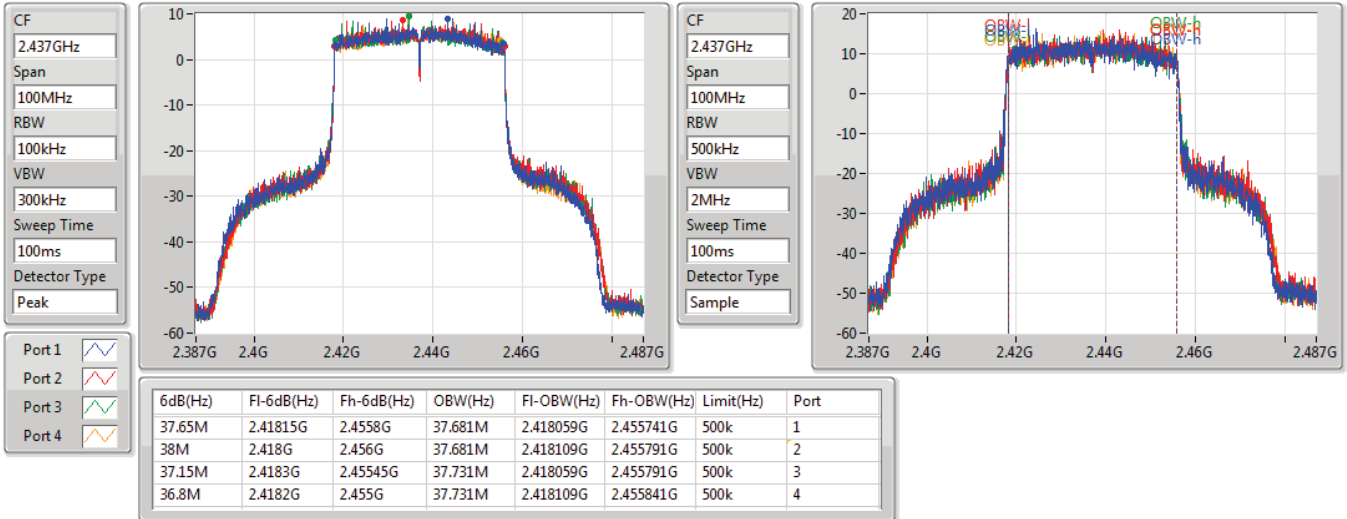


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2437MHz

08/05/2020

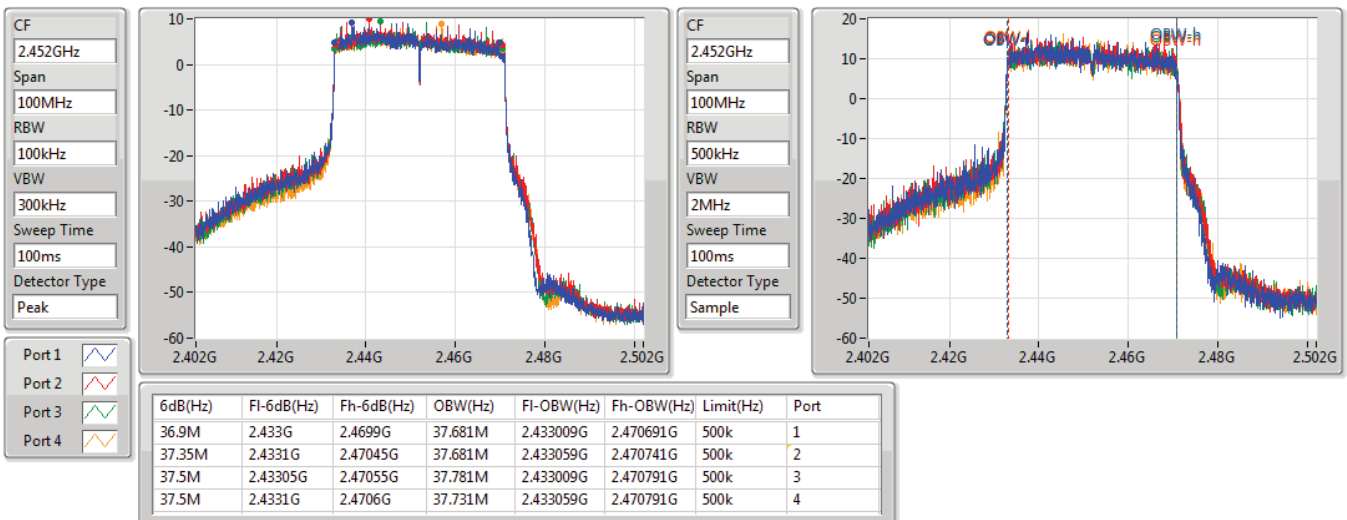


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2452MHz

08/05/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_4TX	17.55M	17.651M	17M7D1D	16.425M	17.531M
VHT40-BF_Nss1,(MCS0)_4TX	36.15M	36.142M	36M1D1D	32.55M	36.022M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.925M	18.951M	19M0D1D	18.225M	18.871M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.85M	37.781M	37M8D1D	31.3M	37.621M

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;



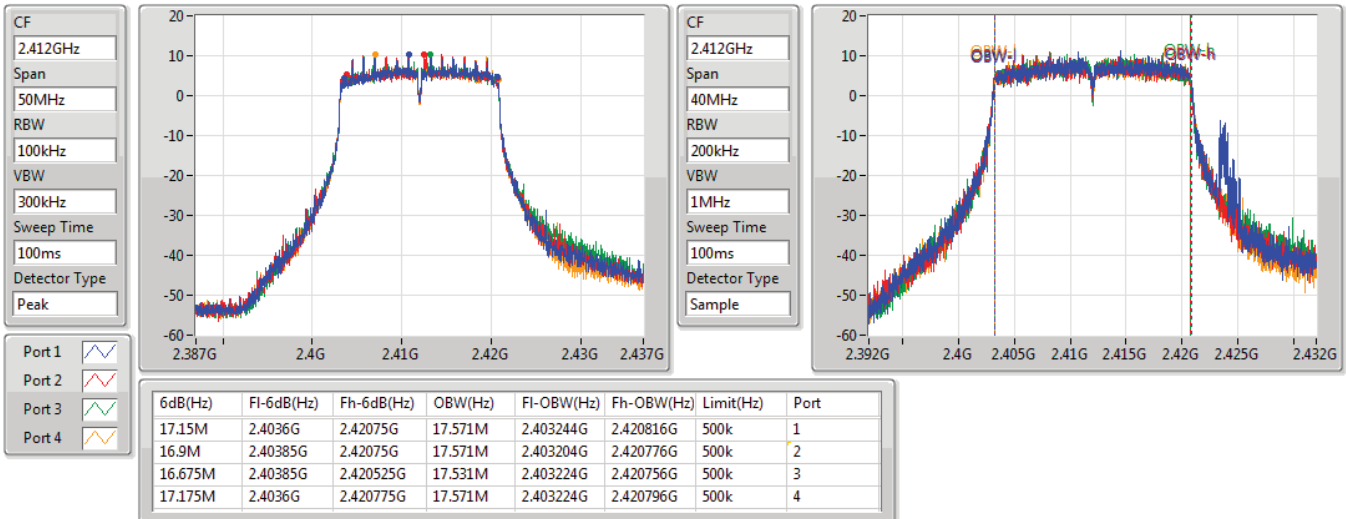
Result

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)
VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.15M	17.571M	16.9M	17.571M	16.675M	17.531M	17.175M	17.571M
2437MHz	Pass	500k	17.5M	17.631M	17.375M	17.611M	17.225M	17.571M	17.1M	17.591M
2462MHz	Pass	500k	17.1M	17.631M	17.4M	17.651M	16.425M	17.611M	17.55M	17.631M
VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	32.55M	36.102M	35.4M	36.062M	32.8M	36.102M	35.65M	36.142M
2437MHz	Pass	500k	35.75M	36.062M	36.15M	36.102M	35.85M	36.102M	35.7M	36.142M
2452MHz	Pass	500k	34.2M	36.022M	35.7M	36.022M	35.35M	36.022M	35.35M	36.102M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.45M	18.891M	18.525M	18.911M	18.575M	18.871M	18.75M	18.891M
2437MHz	Pass	500k	18.8M	18.891M	18.225M	18.911M	18.575M	18.871M	18.85M	18.891M
2462MHz	Pass	500k	18.6M	18.951M	18.85M	18.911M	18.925M	18.911M	18.75M	18.931M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.35M	37.741M	37.85M	37.781M	31.3M	37.621M	37.65M	37.701M
2437MHz	Pass	500k	35.1M	37.701M	37.65M	37.701M	36.3M	37.701M	37.55M	37.661M
2452MHz	Pass	500k	36.5M	37.621M	35.05M	37.781M	37.7M	37.701M	36.05M	37.661M

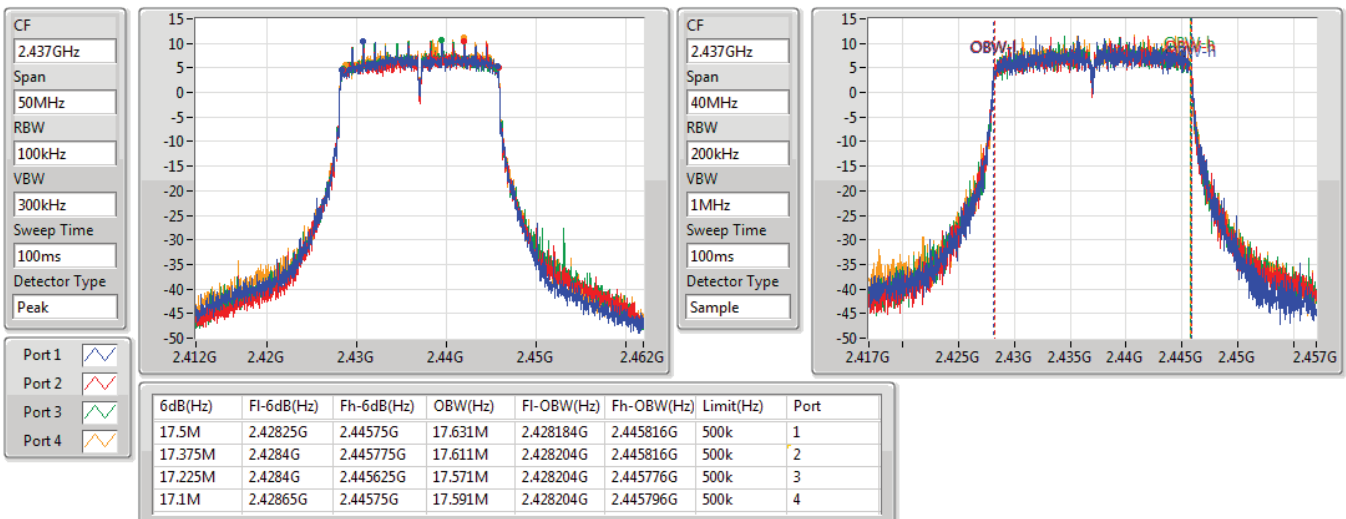
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

VHT20-BF_Nss1,(MCS0)_4TX
EBW
2412MHz

14/05/2020

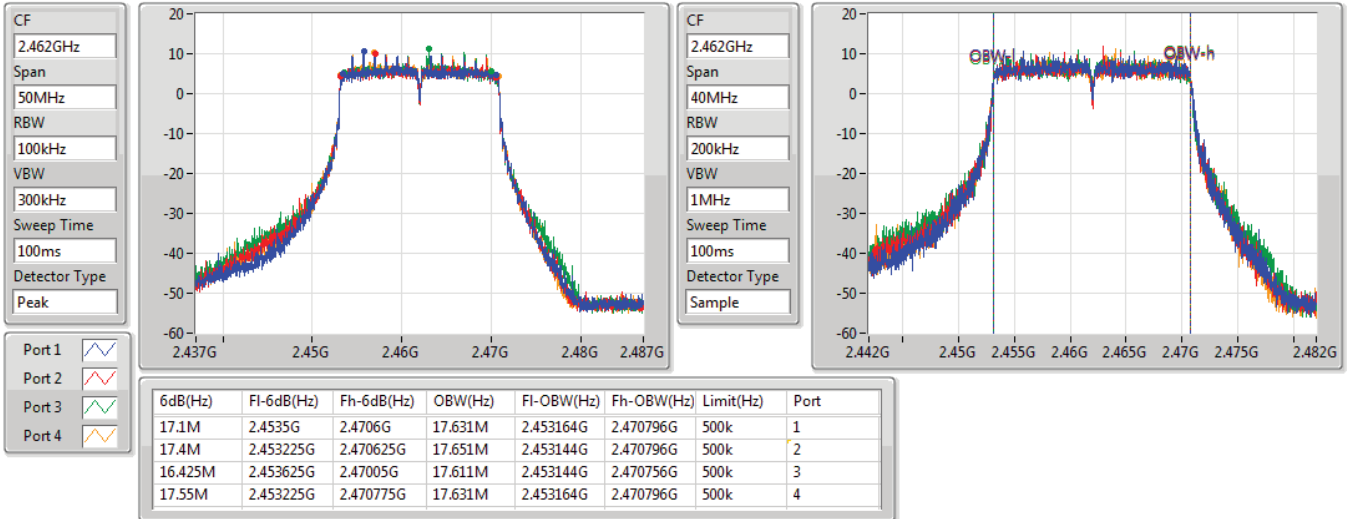

VHT20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

14/05/2020

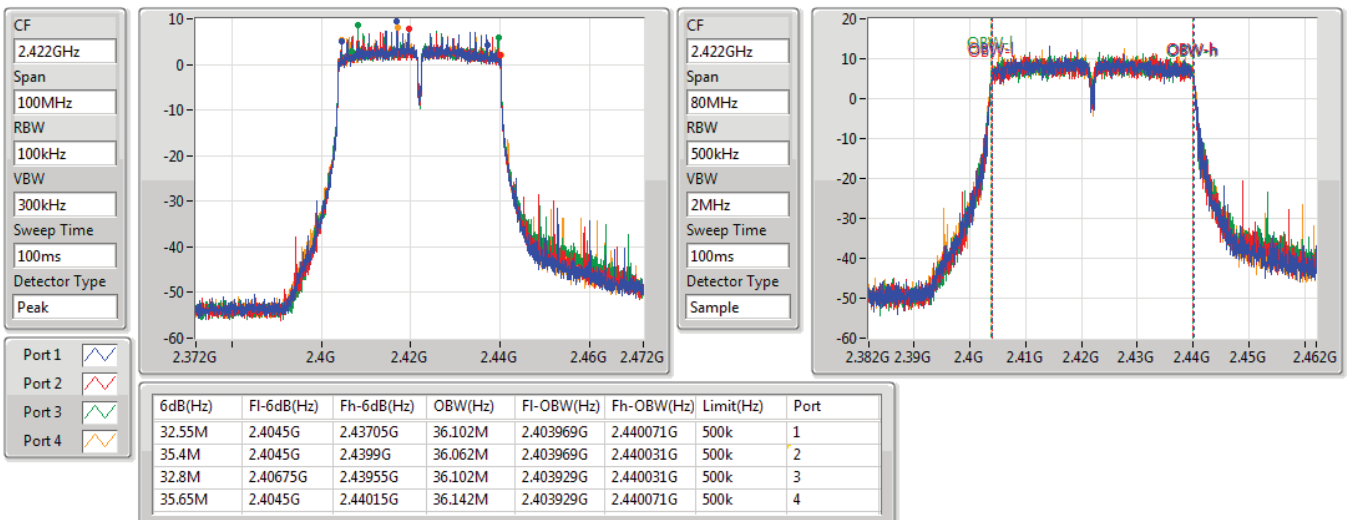


VHT20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

14/05/2020

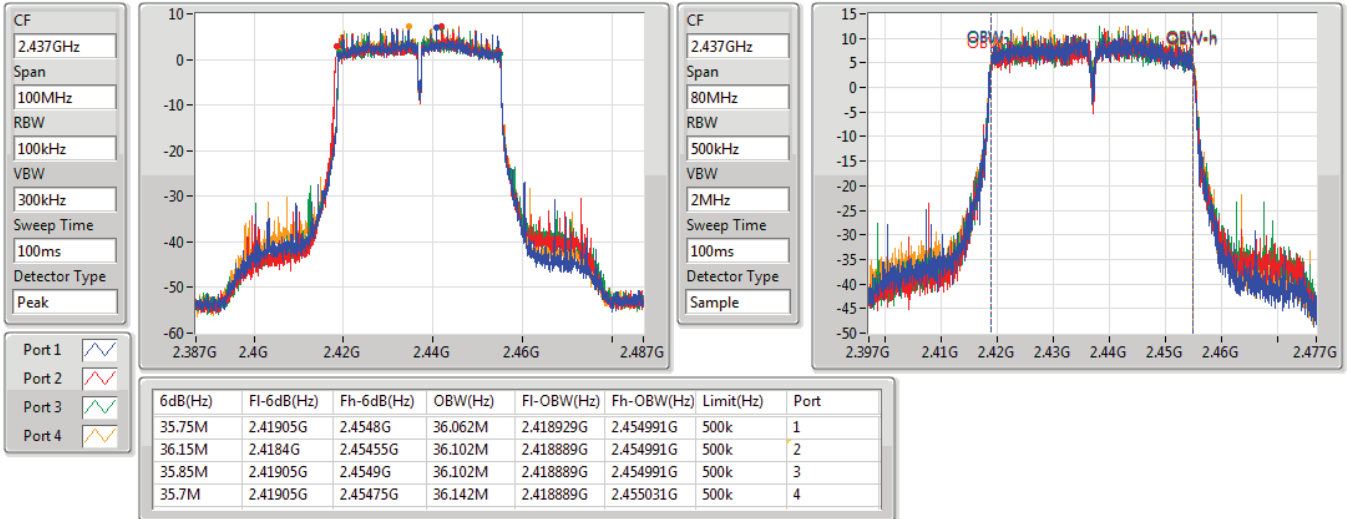

VHT40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

14/05/2020

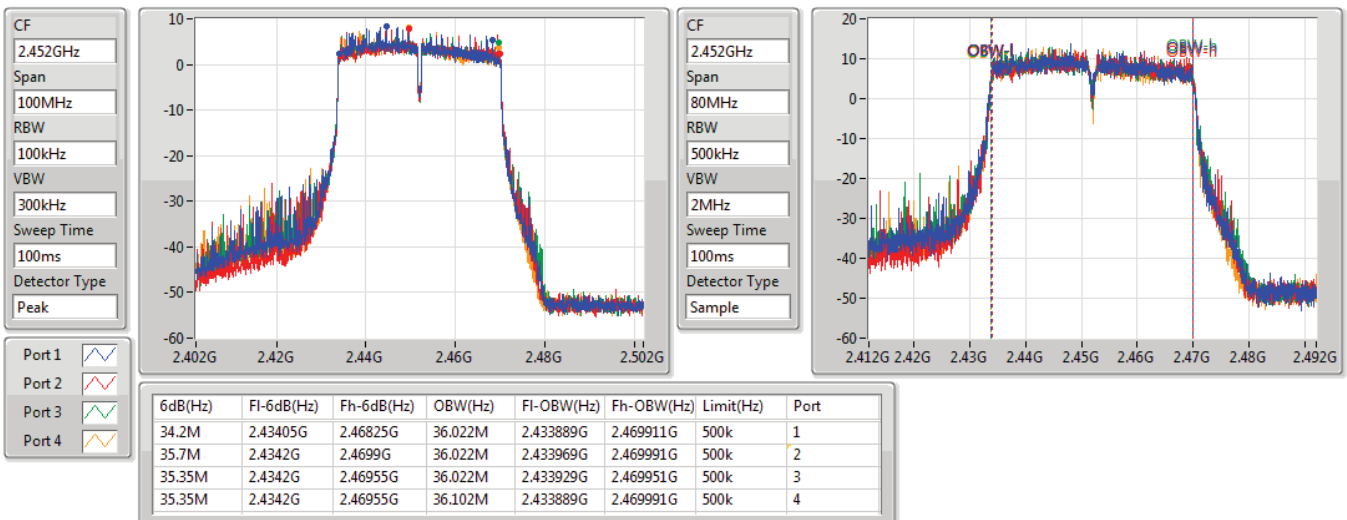


VHT40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

14/05/2020

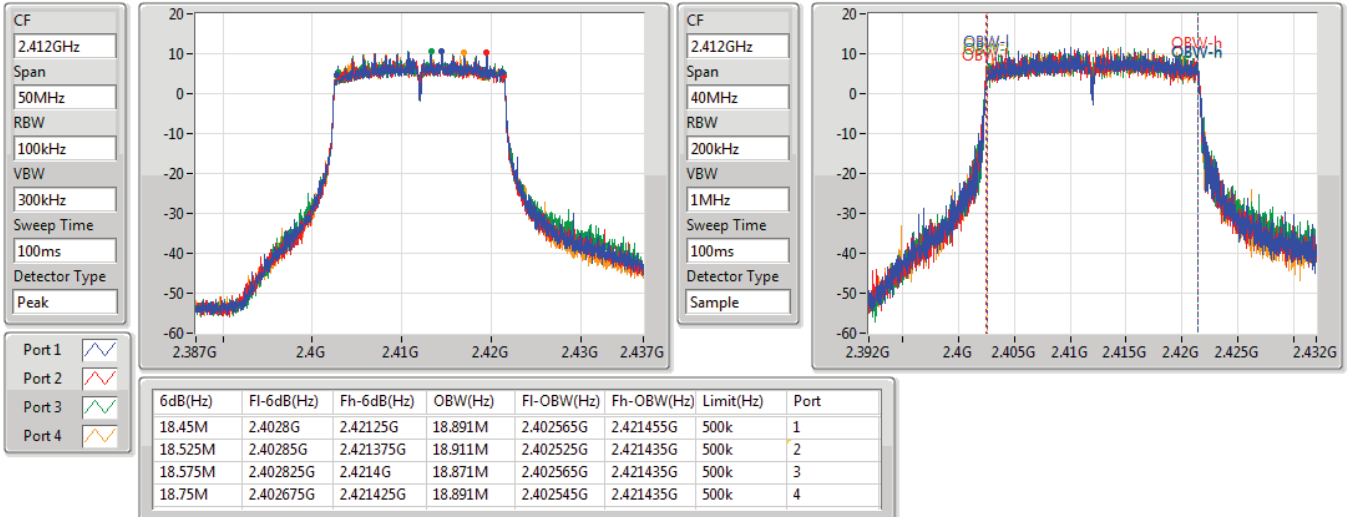

VHT40-BF_Nss1,(MCS0)_4TX
EBW
2452MHz

14/05/2020

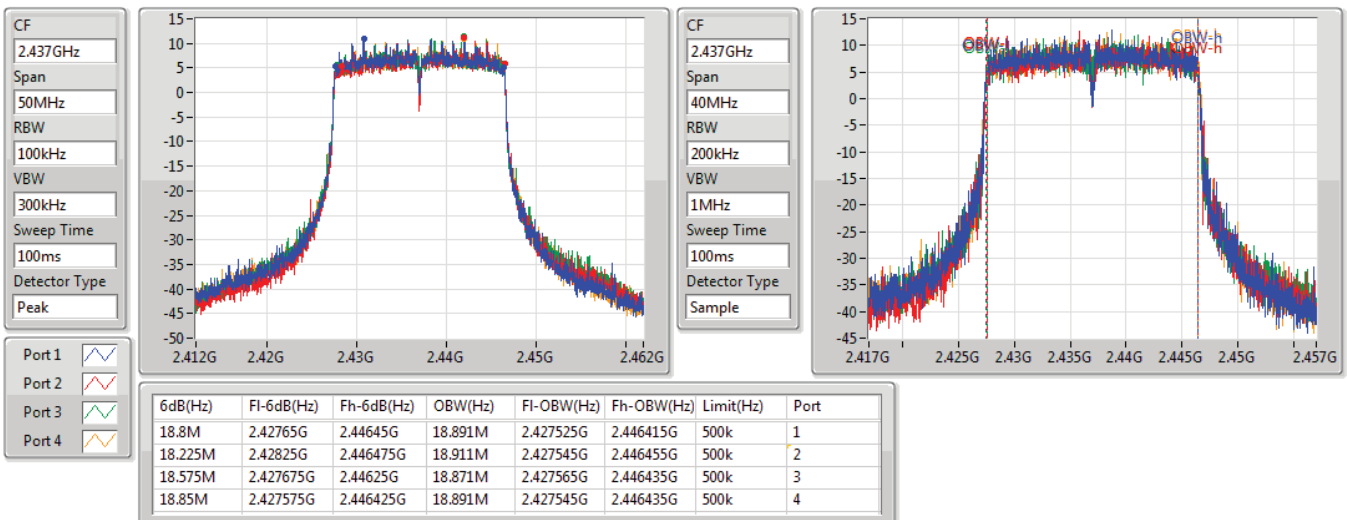


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2412MHz

14/05/2020

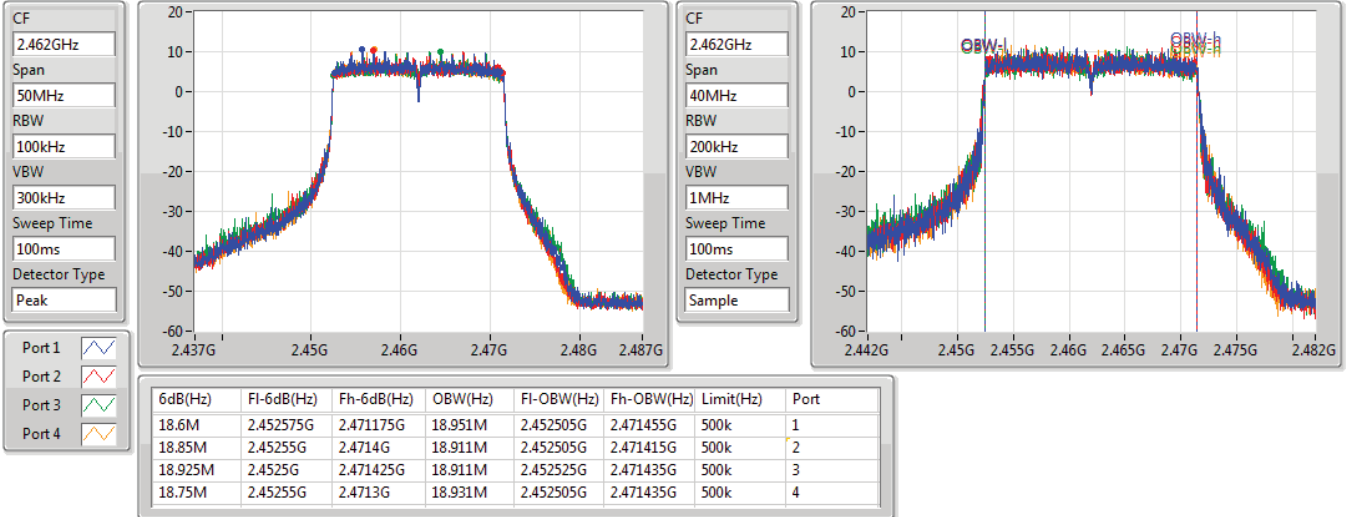

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

14/05/2020

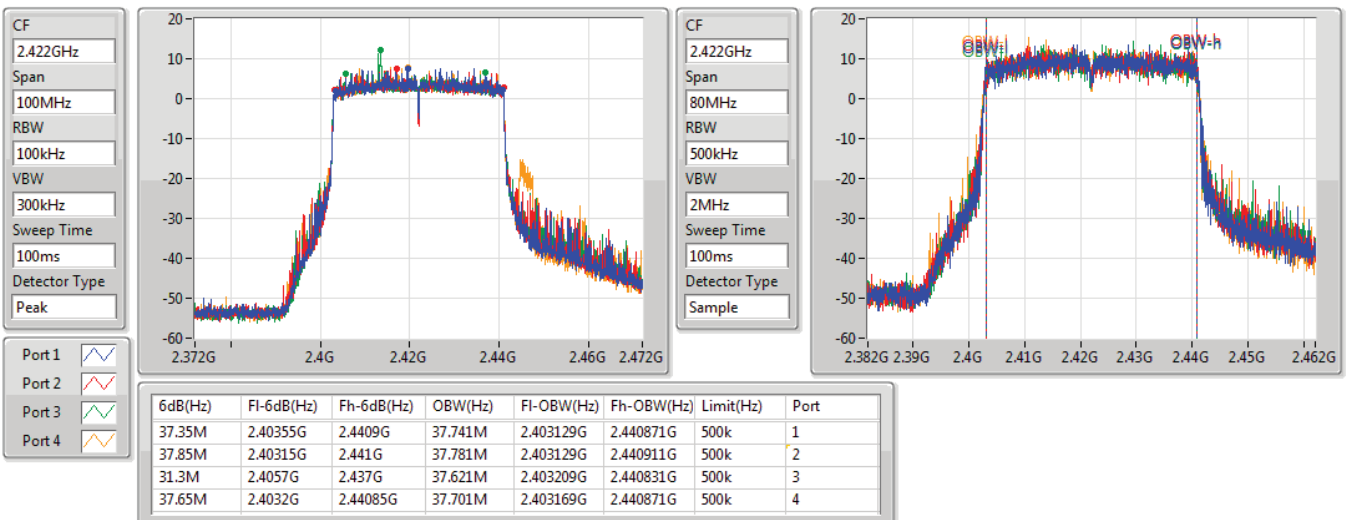


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

14/05/2020

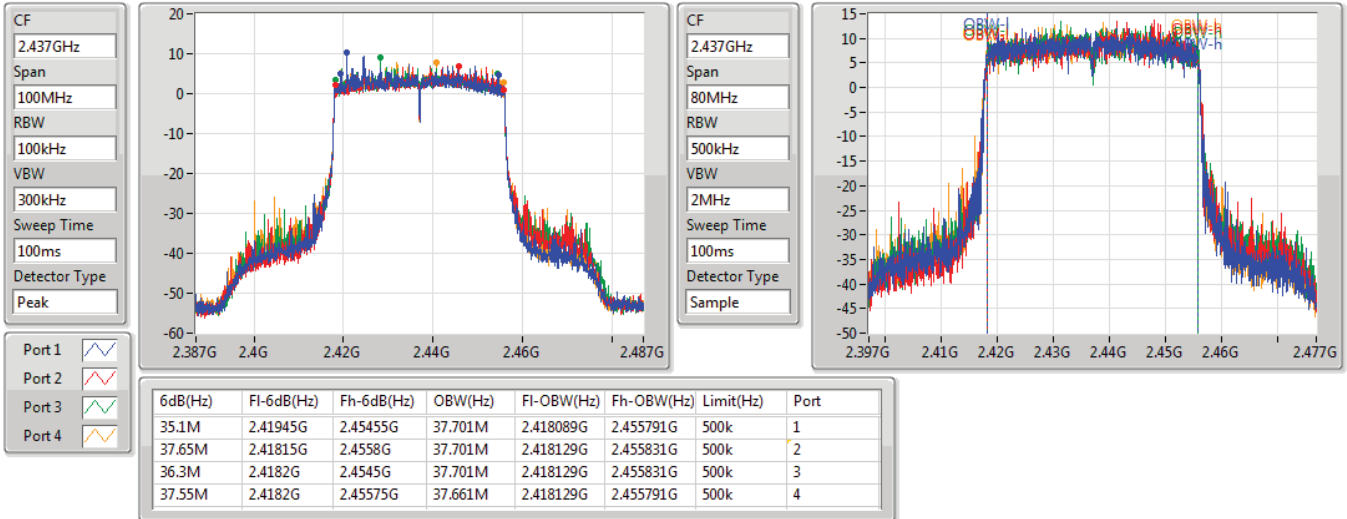

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

14/05/2020

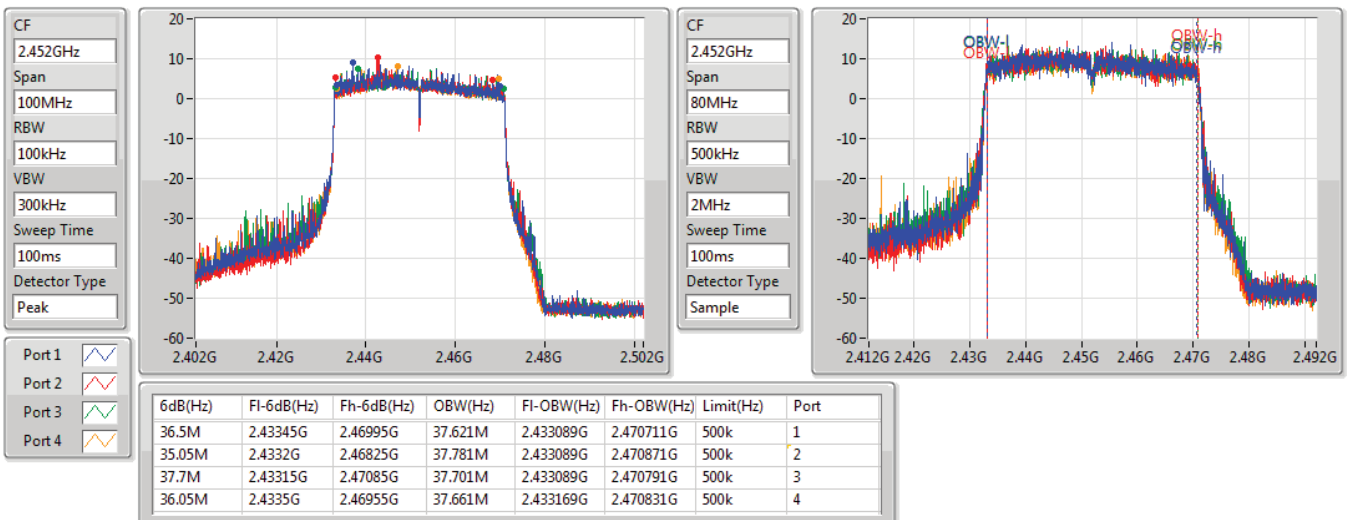


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

14/05/2020


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2452MHz

14/05/2020





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.96	0.99083
802.11g_Nss1,(6Mbps)_4TX	29.82	0.95940
VHT20_Nss1,(MCS0)_4TX	29.72	0.93756
VHT40_Nss1,(MCS0)_4TX	29.95	0.98855
802.11ax HEW20_Nss1,(MCS0)_4TX	29.95	0.98855
802.11ax HEW40_Nss1,(MCS0)_4TX	29.69	0.93111



Average Power_Non-Beamforming

Appendix C.1

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_TnomVnom	Pass	4.40	22.67	23.18	23.05	22.74	28.94	30.00
2417MHz_TnomVnom	Pass	4.40	23.81	24.23	23.97	23.75	29.96	30.00
2437MHz_TnomVnom	Pass	4.40	23.95	24.24	23.89	23.64	29.96	30.00
2457MHz_TnomVnom	Pass	4.40	21.18	21.91	21.31	21.08	27.40	30.00
2462MHz_TnomVnom	Pass	4.40	20.59	21.29	20.78	20.35	26.79	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.40	23.64	24.03	23.78	23.75	29.82	30.00
2417MHz_TnomVnom	Pass	4.40	23.67	24.06	23.72	23.63	29.79	30.00
2437MHz_TnomVnom	Pass	4.40	23.73	24.07	23.57	23.68	29.79	30.00
2457MHz_TnomVnom	Pass	4.40	23.33	23.92	23.46	23.60	29.60	30.00
2462MHz_TnomVnom	Pass	4.40	23.33	23.98	23.56	23.08	29.52	30.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.40	23.49	23.80	23.67	23.59	29.66	30.00
2417MHz_TnomVnom	Pass	4.40	23.62	23.92	23.66	23.59	29.72	30.00
2437MHz_TnomVnom	Pass	4.40	23.59	23.85	23.42	23.50	29.61	30.00
2457MHz_TnomVnom	Pass	4.40	23.27	23.80	23.41	23.46	29.51	30.00
2462MHz_TnomVnom	Pass	4.40	23.30	23.82	23.42	23.50	29.53	30.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.40	23.38	23.72	23.33	23.43	29.49	30.00
2427MHz_TnomVnom	Pass	4.40	23.90	23.60	23.82	24.02	29.86	30.00
2437MHz_TnomVnom	Pass	4.40	23.97	24.14	23.80	23.78	29.95	30.00
2452MHz_TnomVnom	Pass	4.40	23.50	23.77	23.43	23.31	29.53	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.40	23.77	24.19	23.88	23.75	29.92	30.00
2417MHz_TnomVnom	Pass	4.40	23.86	24.20	23.83	23.81	29.95	30.00
2437MHz_TnomVnom	Pass	4.40	23.75	24.21	23.66	23.66	29.85	30.00
2457MHz_TnomVnom	Pass	4.40	23.48	24.03	23.60	23.69	29.73	30.00
2462MHz_TnomVnom	Pass	4.40	23.46	23.96	23.56	23.66	29.68	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.40	23.54	23.90	23.48	23.62	29.66	30.00
2427MHz_TnomVnom	Pass	4.40	23.56	23.96	23.53	23.63	29.69	30.00
2437MHz_TnomVnom	Pass	4.40	23.54	23.70	23.47	23.49	29.57	30.00
2447MHz_TnomVnom	Pass	4.40	23.45	23.83	23.44	23.41	29.56	30.00
2452MHz_TnomVnom	Pass	4.40	23.54	23.89	23.46	23.54	29.63	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_4TX	28.42	0.69502
VHT40-BF_Nss1,(MCS0)_4TX	28.06	0.63973
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.46	0.70146
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.26	0.66988

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.90	21.70	21.63	21.85	21.79	27.76	29.10
2437MHz	Pass	6.90	22.42	22.14	22.45	22.56	28.42	29.10
2462MHz	Pass	6.90	21.34	21.40	21.58	21.39	27.45	29.10
VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.90	21.78	21.62	21.69	21.87	27.76	29.10
2437MHz	Pass	6.90	21.41	21.33	21.57	21.86	27.57	29.10
2452MHz	Pass	6.90	21.89	21.79	22.33	22.14	28.06	29.10
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.90	21.95	21.45	21.90	21.83	27.81	29.10
2437MHz	Pass	6.90	22.35	22.30	22.40	22.68	28.46	29.10
2462MHz	Pass	6.90	22.17	21.70	21.59	21.78	27.84	29.10
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.90	22.46	22.07	21.96	22.09	28.17	29.10
2437MHz	Pass	6.90	21.50	21.52	22.05	21.88	27.76	29.10
2452MHz	Pass	6.90	22.44	22.46	21.72	22.30	28.26	29.10

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	4.78
802.11g_Nss1,(6Mbps)_4TX	1.00
VHT20_Nss1,(MCS0)_4TX	2.28
VHT40_Nss1,(MCS0)_4TX	0.32
802.11ax HEW20_Nss1,(MCS0)_4TX	1.82
802.11ax HEW40_Nss1,(MCS0)_4TX	-1.32

**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	6.90	-1.60	-1.23	-2.20	-2.28	3.66	7.10
2437MHz	Pass	6.90	0.75	0.56	-0.25	-0.66	4.78	7.10
2462MHz	Pass	6.90	-2.94	-3.89	-3.32	-4.22	1.72	7.10
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.90	-3.48	-4.19	-2.90	-3.37	1.00	7.10
2437MHz	Pass	6.90	-5.04	-2.81	-3.56	-3.43	0.91	7.10
2462MHz	Pass	6.90	-4.32	-3.90	-5.11	-3.01	0.84	7.10
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.90	-2.01	-1.16	-1.29	-2.26	2.28	7.10
2437MHz	Pass	6.90	-2.36	-2.26	-1.64	-2.66	2.07	7.10
2462MHz	Pass	6.90	-2.36	-2.11	-2.71	-2.45	1.24	7.10
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.90	-4.79	-4.49	-4.46	-4.59	0.03	7.10
2437MHz	Pass	6.90	-4.29	-3.85	-4.71	-4.75	-0.21	7.10
2452MHz	Pass	6.90	-4.67	-3.40	-5.26	-4.52	0.32	7.10
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.90	-3.05	-2.44	-2.34	-2.94	1.82	7.10
2437MHz	Pass	6.90	-2.91	-2.19	-2.13	-2.23	1.06	7.10
2462MHz	Pass	6.90	-2.48	-2.67	-3.05	-2.72	0.99	7.10
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.90	-6.02	-4.65	-6.64	-4.18	-1.42	7.10
2437MHz	Pass	6.90	-5.12	-5.07	-4.39	-5.41	-1.32	7.10
2452MHz	Pass	6.90	-5.27	-5.15	-5.37	-5.95	-1.71	7.10

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

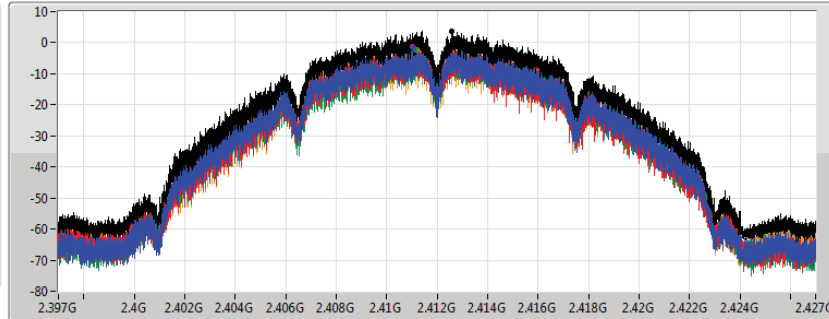
802.11b_Nss1,(1Mbps)_4TX

2412MHz

PSD

12/05/2020

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.66	3.66	-1.60	-1.23	-2.20	-2.28

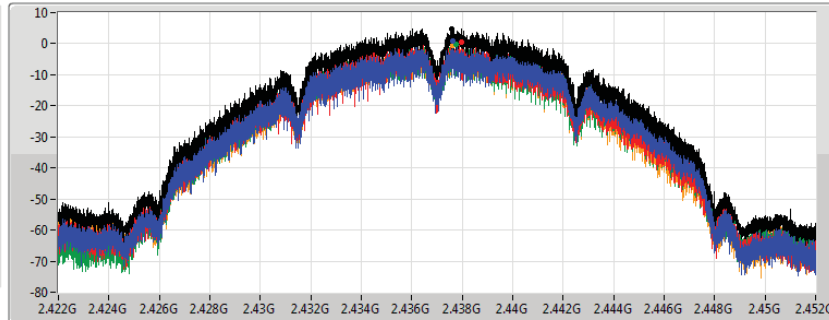
802.11b_Nss1,(1Mbps)_4TX

2437MHz

PSD

08/05/2020

CF
2.437GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.78	4.78	0.75	0.56	-0.25	-0.66

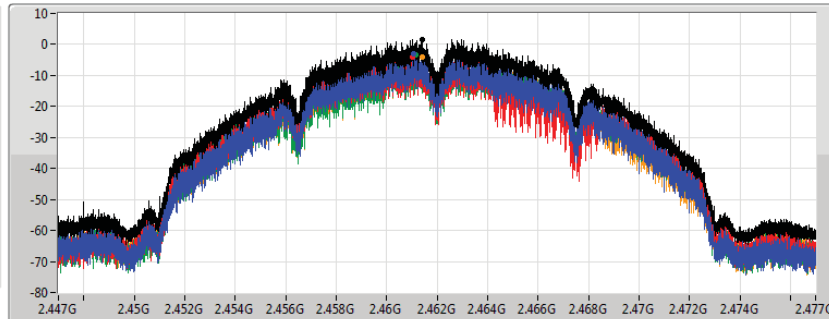
802.11b_Nss1,(1Mbps)_4TX

2462MHz

PSD

12/05/2020

CF
2.462GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum
Port 1
Port 2
Port 3
Port 4

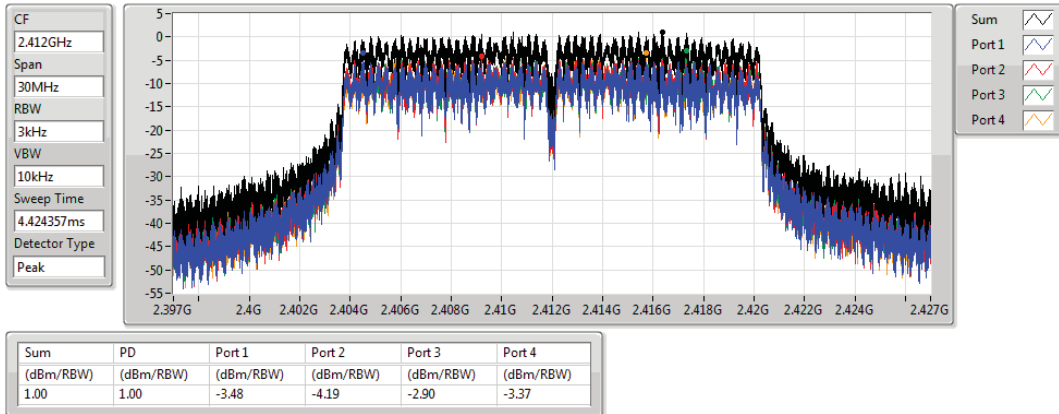
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.72	1.72	-2.94	-3.89	-3.32	-4.22

802.11g_Nss1,(6Mbps)_4TX

2412MHz

PSD

08/05/2020

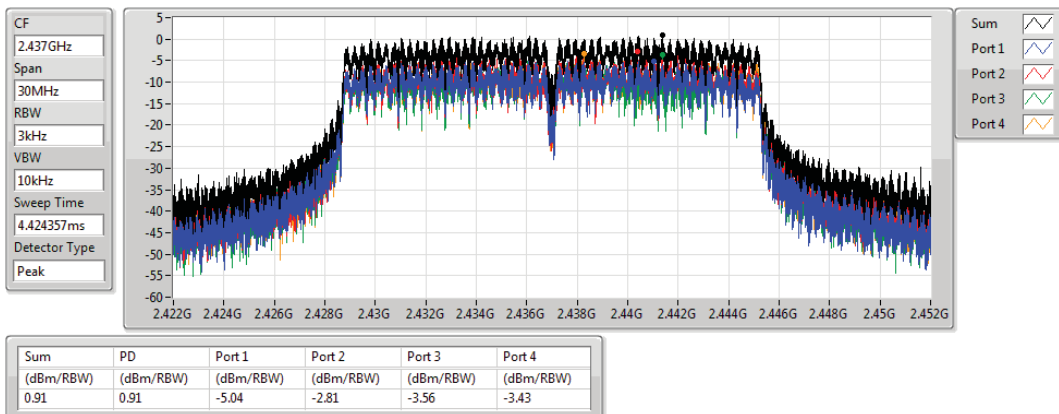


802.11g_Nss1,(6Mbps)_4TX

2437MHz

PSD

08/05/2020

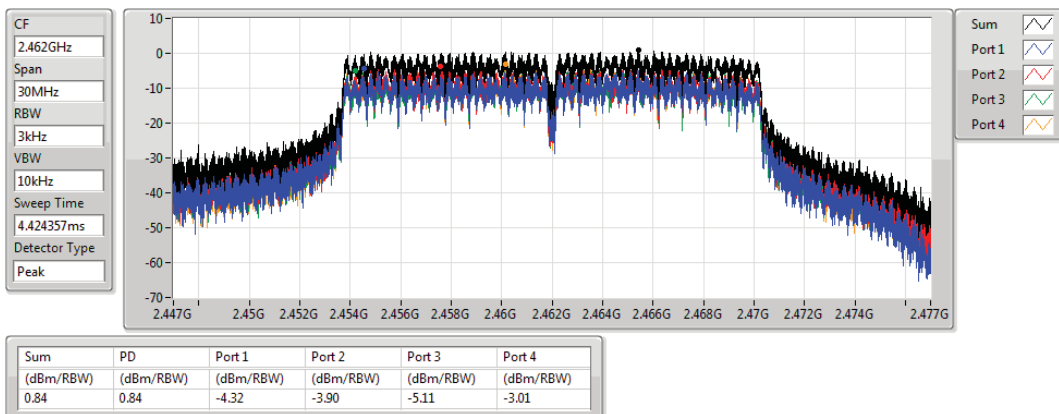


802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

08/05/2020

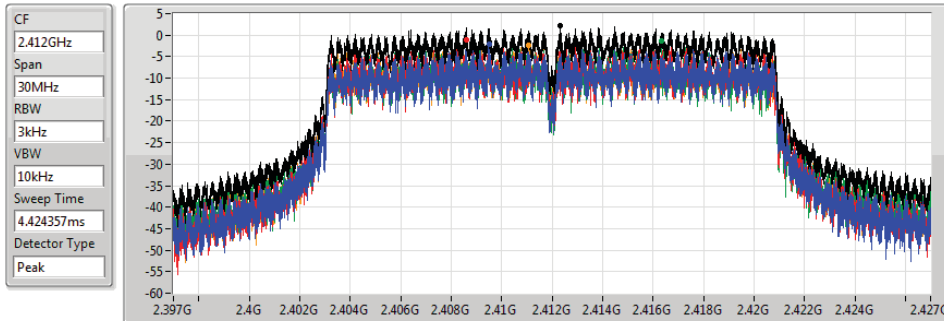


VHT20_Nss1,(MCS0)_4TX

2412MHz

PSD

08/05/2020



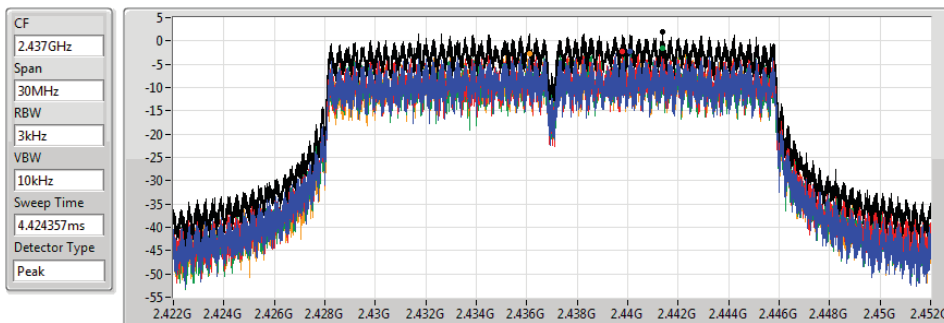
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.28	2.28	-2.01	-1.16	-1.29	-2.26

VHT20_Nss1,(MCS0)_4TX

2437MHz

PSD

08/05/2020



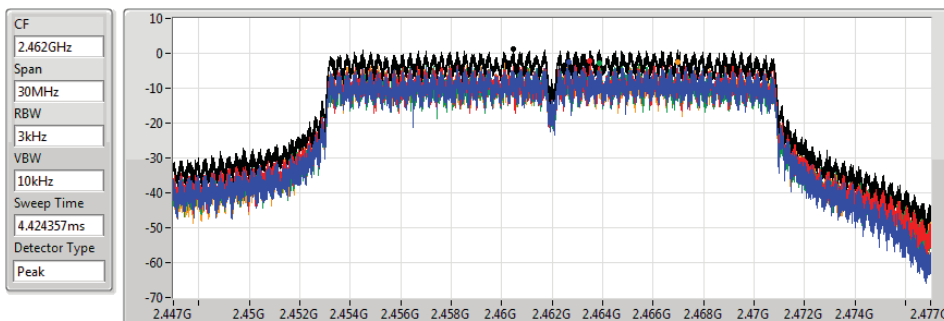
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.07	2.07	-2.36	-2.26	-1.64	-2.66

VHT20_Nss1,(MCS0)_4TX

2462MHz

PSD

08/05/2020



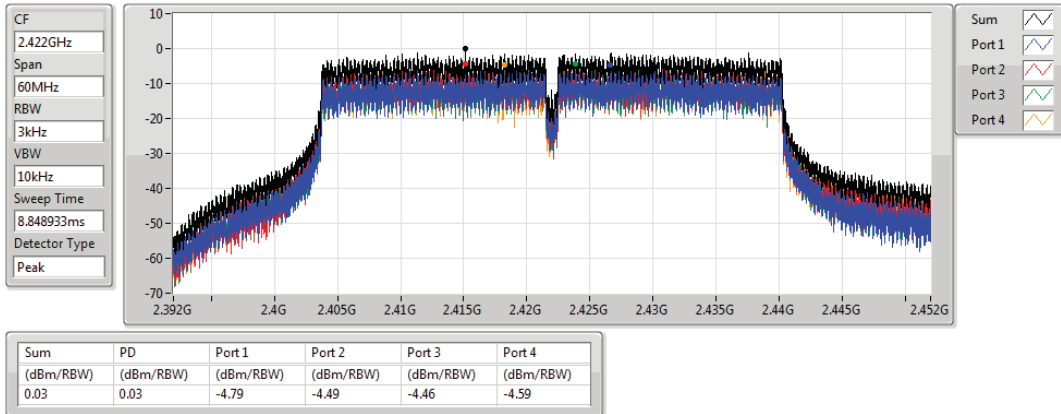
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.24	1.24	-2.36	-2.11	-2.71	-2.45

VHT40_Nss1,(MCS0)_4TX

2422MHz

PSD

08/05/2020

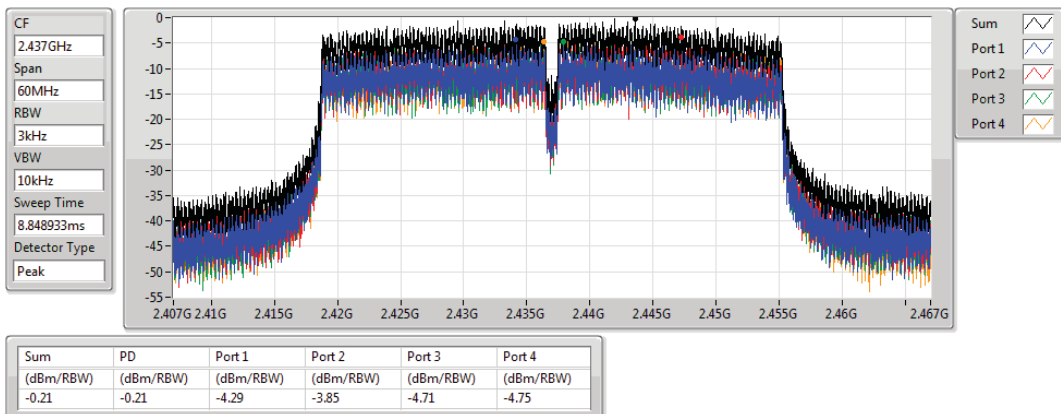


VHT40_Nss1,(MCS0)_4TX

2437MHz

PSD

08/05/2020

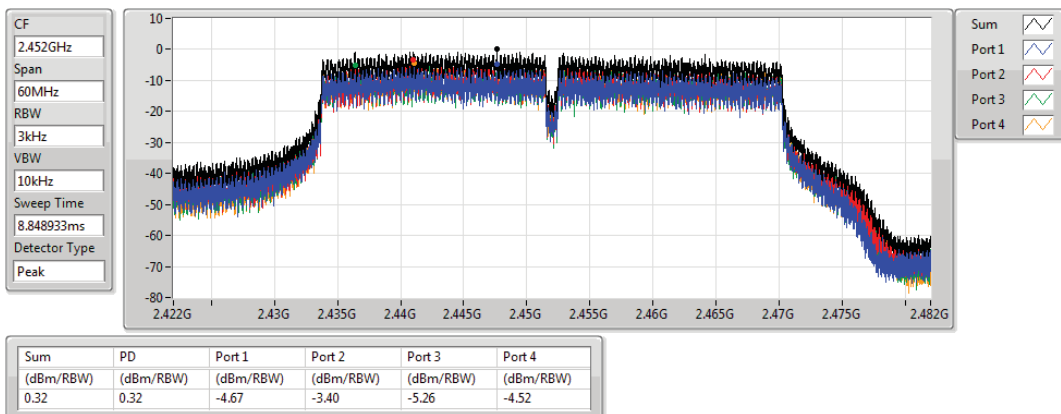


VHT40_Nss1,(MCS0)_4TX

2452MHz

PSD

08/05/2020

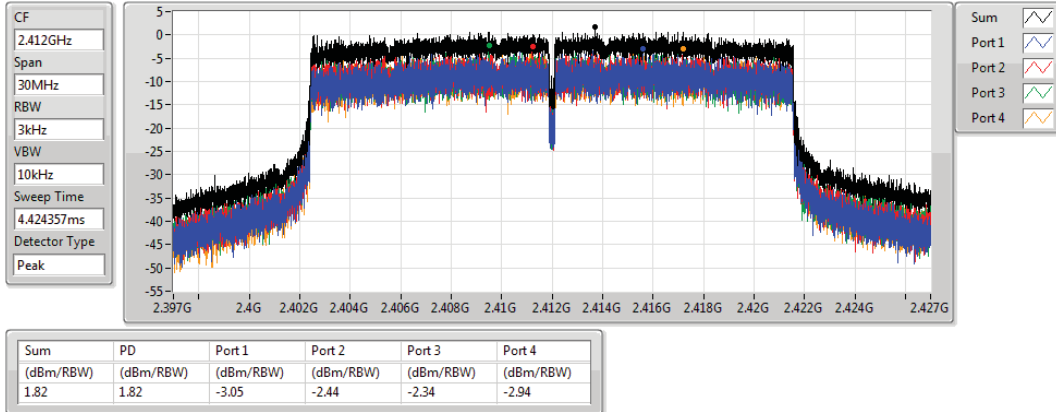


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

08/05/2020

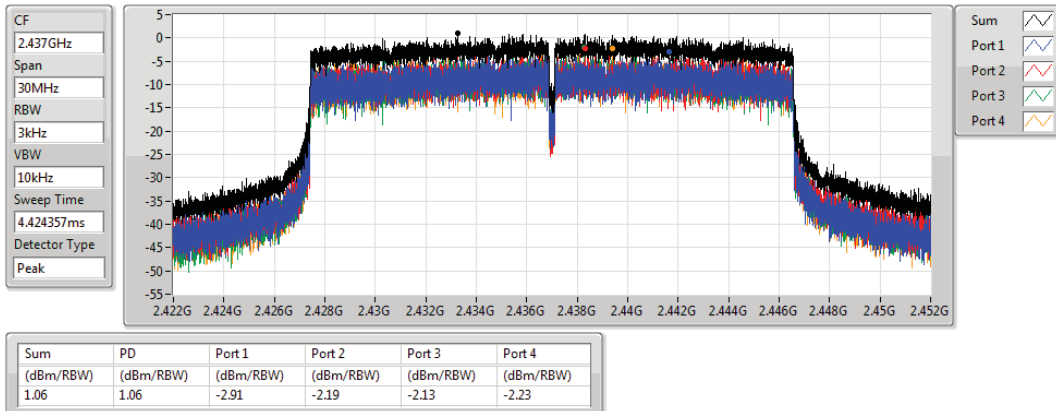


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

08/05/2020



802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

08/05/2020

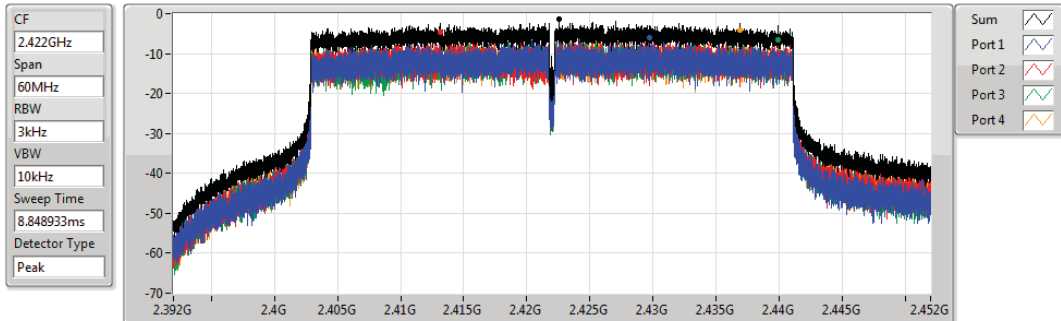


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

08/05/2020



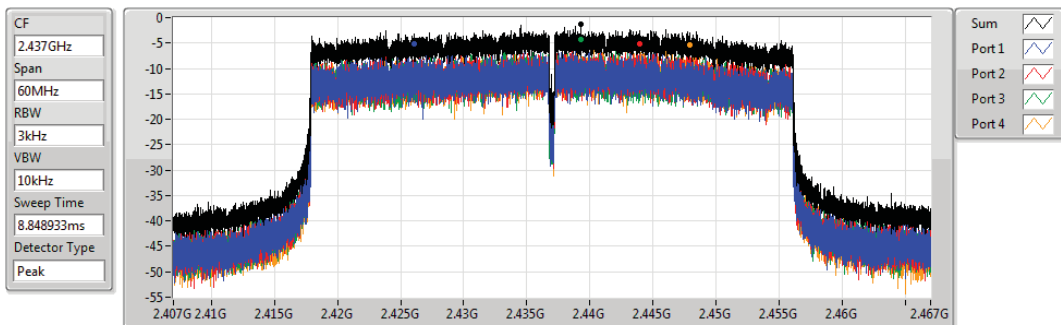
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.42	-1.42	-6.02	-4.65	-6.64	-4.18

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

08/05/2020



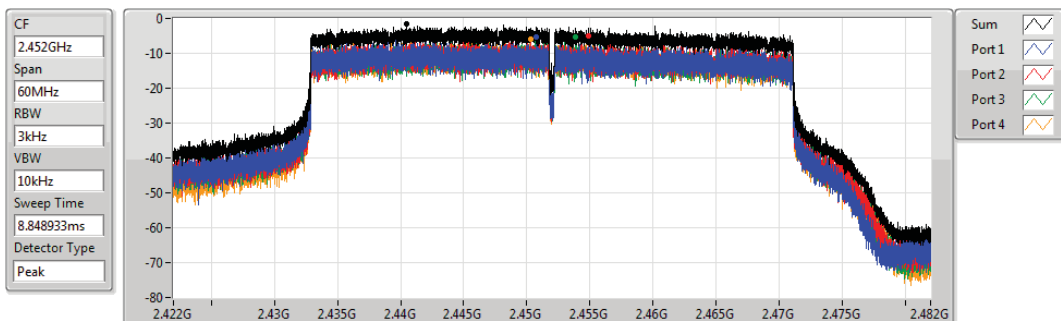
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.32	-1.32	-5.12	-5.07	-4.39	-5.41

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

08/05/2020



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.71	-1.71	-5.27	-5.15	-5.37	-5.95



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_4TX	0.32
VHT40-BF_Nss1,(MCS0)_4TX	-2.43
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.54
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-2.81

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)
VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.90	-4.53	-3.55	-3.76	-4.46	0.18	7.10
2437MHz	Pass	6.90	-4.41	-2.67	-4.08	-3.01	0.32	7.10
2462MHz	Pass	6.90	-5.56	-3.90	-4.78	-3.26	-0.33	7.10
VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.90	-6.97	-5.83	-7.30	-6.11	-3.28	7.10
2437MHz	Pass	6.90	-6.08	-7.90	-7.39	-6.82	-3.80	7.10
2452MHz	Pass	6.90	-6.01	-6.10	-6.62	-6.73	-2.43	7.10
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.90	-5.20	-3.77	-3.22	-4.06	-0.77	7.10
2437MHz	Pass	6.90	-3.62	-3.41	-4.49	-3.54	0.54	7.10
2462MHz	Pass	6.90	-5.04	-4.21	-4.60	-4.19	-1.19	7.10
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.90	-7.39	-6.11	-7.19	-6.51	-3.07	7.10
2437MHz	Pass	6.90	-8.24	-7.11	-7.42	-7.49	-3.03	7.10
2452MHz	Pass	6.90	-4.75	-6.01	-5.36	-7.09	-2.81	7.10

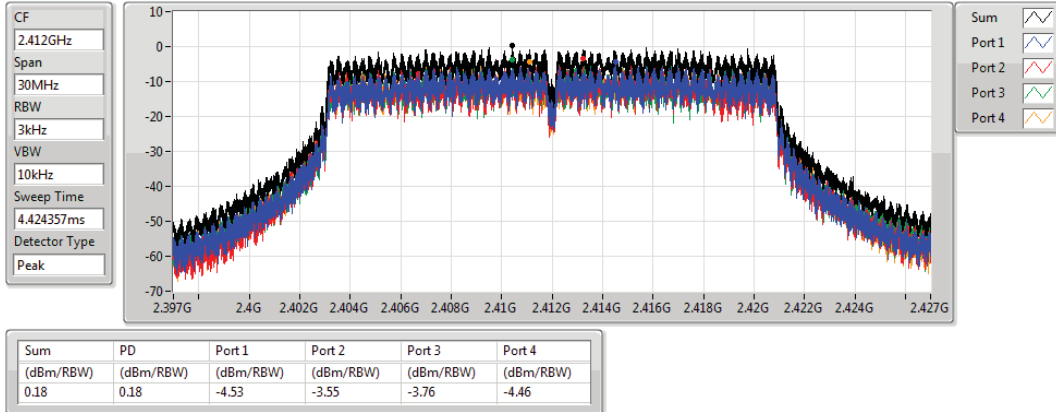
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

14/05/2020

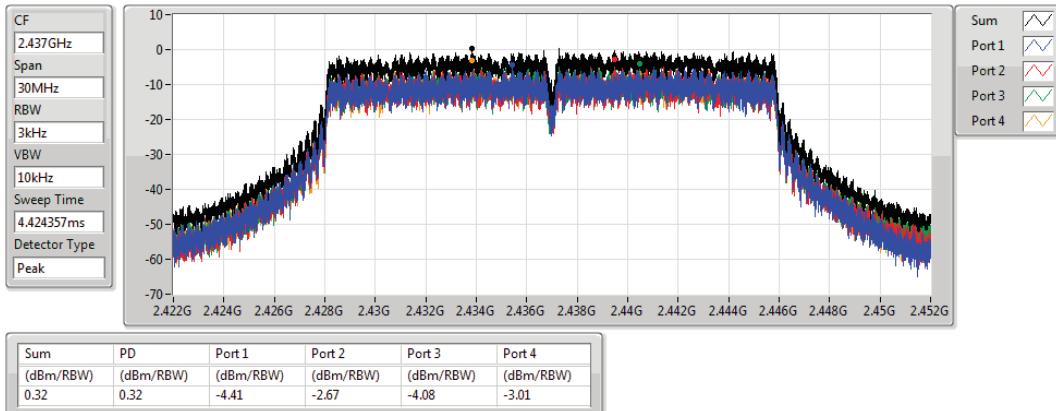


VHT20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

14/05/2020

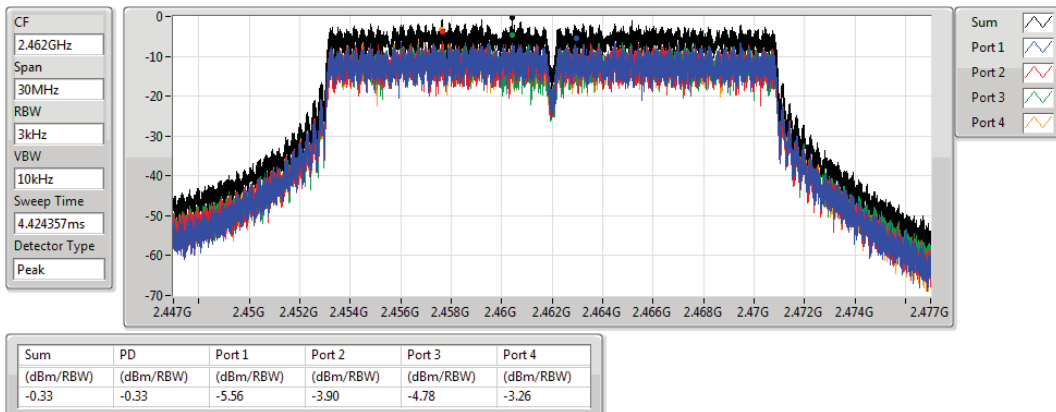


VHT20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

14/05/2020

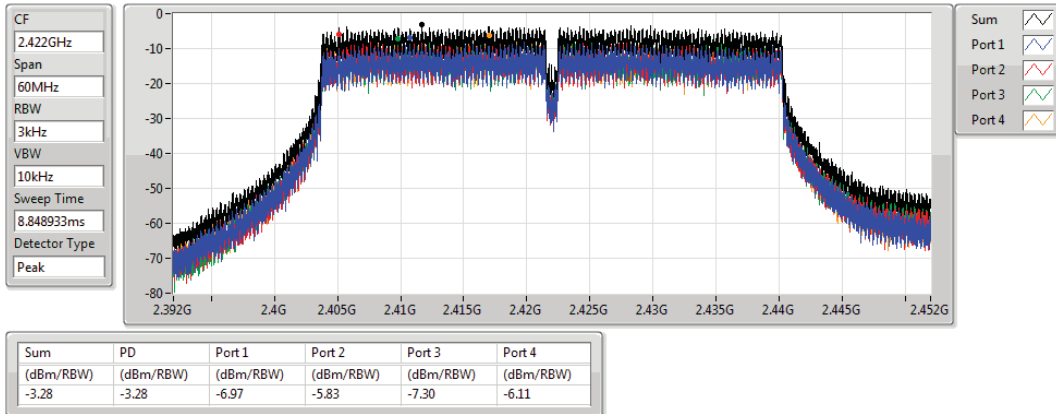


VHT40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

14/05/2020

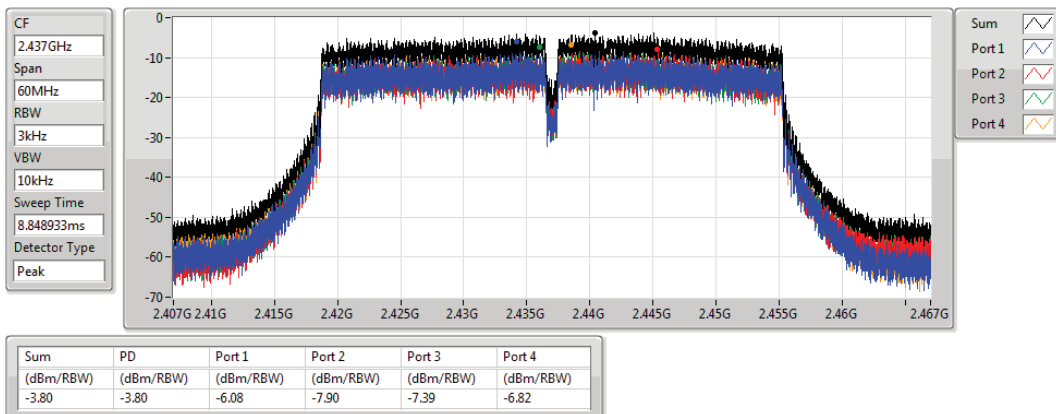


VHT40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

14/05/2020

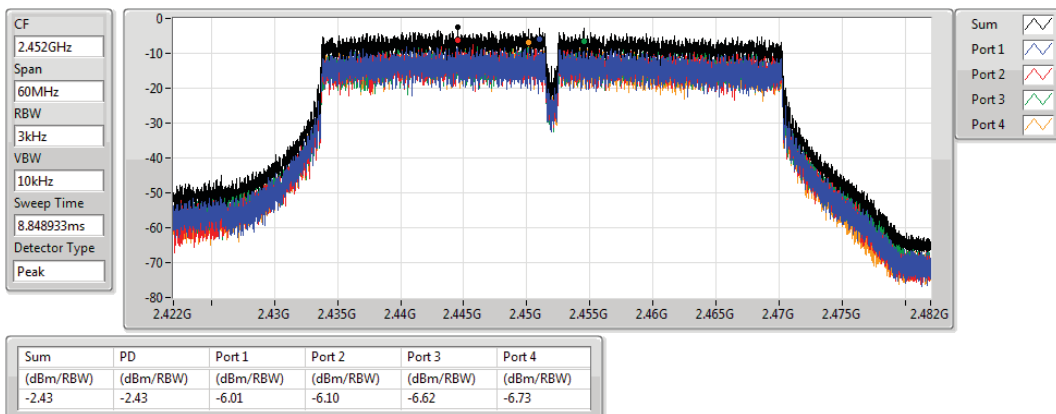


VHT40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

14/05/2020

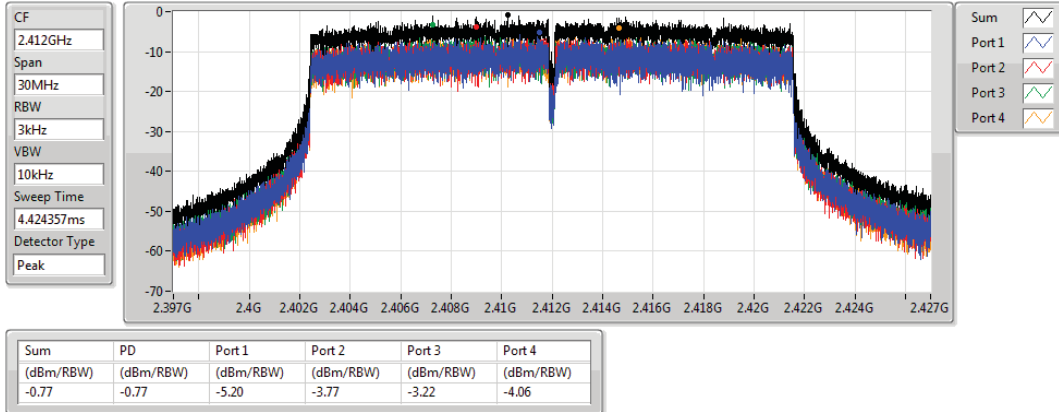


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

14/05/2020

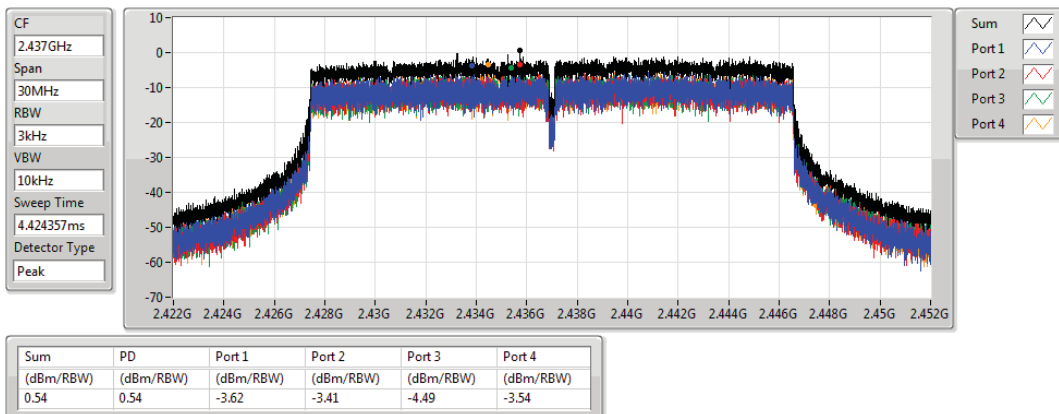


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

14/05/2020

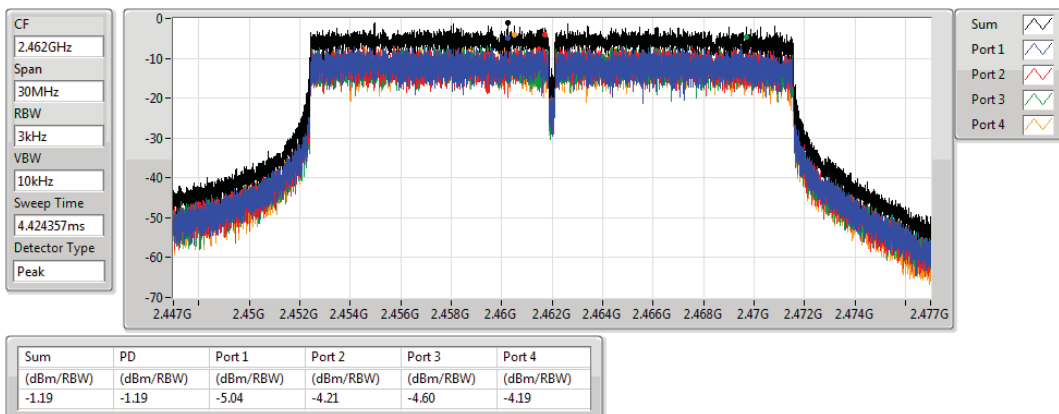


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

14/05/2020

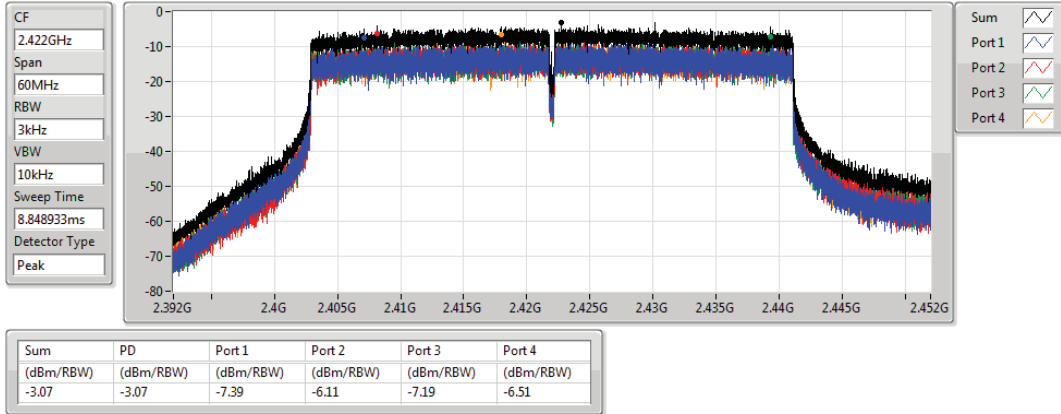


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

14/05/2020

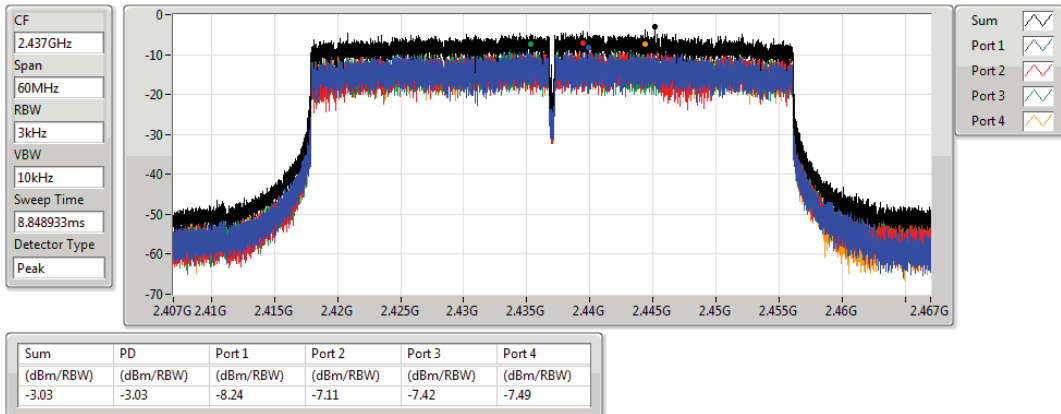


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

14/05/2020

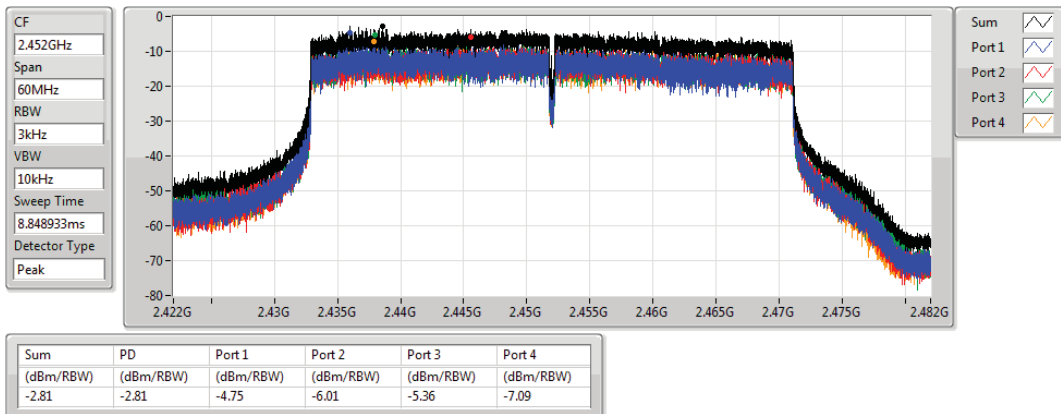


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

14/05/2020



**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	2.43799G	16.67	-13.33	2.12962G	-53.87	2.4G	-37.11	2.4G	-35.57	2.51434G	-52.49	24.01665G	-42.20	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.40697G	13.26	-16.74	2.10865G	-54.11	2.39988G	-19.65	2.4G	-21.49	2.4854G	-50.34	16.3915G	-41.62	3
VHT20_Nss1,(MCS0)_4TX	Pass	2.40697G	13.02	-16.98	2.12962G	-54.20	2.39952G	-17.12	2.4G	-19.71	2.48598G	-50.93	23.25245G	-42.12	4
VHT40_Nss1,(MCS0)_4TX	Pass	2.442G	11.00	-19.00	2.30712G	-53.36	2.39884G	-23.42	2.4G	-25.69	2.52642G	-51.84	24.84575G	-41.86	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.41449G	13.62	-16.38	2.14972G	-53.34	2.39984G	-16.46	2.4G	-19.14	2.50928G	-51.89	24.88762G	-40.61	3
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.42572G	10.21	-19.79	2.30912G	-52.50	2.39952G	-21.12	2.4G	-23.94	2.5131G	-51.79	23.13497G	-41.53	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	2.43799G	16.67	-13.33	2.12554G	-55.12	2.39988G	-37.95	2.4G	-38.77	2.52144G	-52.72	16.6275G	-42.58	1
2412MHz	Pass	2.43799G	16.67	-13.33	2.14331G	-54.67	2.39992G	-37.18	2.4G	-39.79	2.52054G	-52.17	24.00541G	-41.27	2
2412MHz	Pass	2.43799G	16.67	-13.33	2.12962G	-53.87	2.4G	-37.11	2.4G	-35.57	2.51434G	-52.49	24.01665G	-42.20	3
2412MHz	Pass	2.43799G	16.67	-13.33	2.19719G	-55.05	2.39996G	-36.46	2.4G	-38.04	2.4877G	-51.75	24.81738G	-41.93	4
2437MHz	Pass	2.43599G	16.24	-13.76	2.16049G	-54.23	2.39786G	-48.45	2.4G	-51.07	2.50924G	-51.41	23.25526G	-42.10	1
2437MHz	Pass	2.43599G	16.24	-13.76	2.13457G	-53.71	2.39748G	-50.09	2.4G	-51.28	2.49828G	-50.98	23.59241G	-41.57	2
2437MHz	Pass	2.43599G	16.24	-13.76	2.18496G	-54.25	2.399G	-49.65	2.4G	-51.60	2.48432G	-52.09	24.91852G	-41.02	3
2437MHz	Pass	2.43599G	16.24	-13.76	2.17302G	-53.22	2.39926G	-50.71	2.4G	-54.52	2.5043G	-51.17	23.19907G	-40.76	4
2462MHz	Pass	2.43799G	16.67	-13.33	2.15234G	-55.05	2.39998G	-50.71	2.4G	-51.93	2.49478G	-52.54	24.89043G	-41.42	1
2462MHz	Pass	2.43799G	16.67	-13.33	1.84187G	-54.42	2.39998G	-52.25	2.4G	-53.44	2.51926G	-52.61	23.2946G	-41.88	2
2462MHz	Pass	2.43799G	16.67	-13.33	2.09205G	-54.56	2.39878G	-52.46	2.4G	-53.74	2.4957G	-52.58	24.76962G	-41.33	3
2462MHz	Pass	2.43799G	16.67	-13.33	1.97846G	-54.75	2.39774G	-53.24	2.4835G	-55.38	2.51244G	-52.50	15.33791G	-41.58	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40697G	13.26	-16.74	2.11244G	-53.16	2.39914G	-21.12	2.4G	-21.62	2.51208G	-51.48	24.89324G	-41.38	1
2412MHz	Pass	2.40697G	13.26	-16.74	2.14069G	-52.28	2.39928G	-21.47	2.4G	-21.55	2.50198G	-51.47	16.90284G	-41.29	2
2412MHz	Pass	2.40697G	13.26	-16.74	2.10865G	-54.11	2.39988G	-19.65	2.4G	-21.49	2.4854G	-50.34	16.3915G	-41.62	3
2412MHz	Pass	2.40697G	13.26	-16.74	2.1136G	-54.40	2.39916G	-20.39	2.4G	-21.10	2.50144G	-51.40	24.89043G	-40.79	4
2437MHz	Pass	2.40697G	13.26	-16.74	2.30932G	-53.63	2.39792G	-47.72	2.4G	-49.36	2.5037G	-51.75	23.57836G	-41.65	1
2437MHz	Pass	2.40697G	13.26	-16.74	2.13894G	-53.30	2.3999G	-47.88	2.4G	-49.01	2.49174G	-50.38	21.48805G	-41.56	2
2437MHz	Pass	2.40697G	13.26	-16.74	2.1072G	-54.36	2.39994G	-47.89	2.4G	-48.81	2.51002G	-51.25	24.55609G	-42.13	3
2437MHz	Pass	2.40697G	13.26	-16.74	2.13545G	-53.36	2.39978G	-48.02	2.4G	-49.64	2.4986G	-51.75	24.95505G	-41.38	4
2462MHz	Pass	2.40697G	13.26	-16.74	2.11419G	-54.22	2.39998G	-49.25	2.4G	-49.71	2.48356G	-50.97	16.69212G	-41.76	1
2462MHz	Pass	2.40697G	13.26	-16.74	2.15554G	-54.04	2.39814G	-50.64	2.4G	-51.59	2.4841G	-50.30	21.99939G	-41.11	2
2462MHz	Pass	2.40697G	13.26	-16.74	2.13457G	-53.07	2.39922G	-49.15	2.4G	-51.46	2.48388G	-49.52	24.89043G	-41.52	3
2462MHz	Pass	2.40697G	13.26	-16.74	2.12438G	-53.76	2.39968G	-50.07	2.4G	-50.90	2.48448G	-46.57	24.86233G	-41.34	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40697G	13.02	-16.98	2.19137G	-53.29	2.39988G	-19.47	2.4G	-23.03	2.4984G	-51.70	16.6837G	-41.17	1
2412MHz	Pass	2.40697G	13.02	-16.98	2.13865G	-53.47	2.39952G	-19.39	2.4G	-23.96	2.49304G	-51.77	21.9151G	-41.37	2
2412MHz	Pass	2.40697G	13.02	-16.98	2.08186G	-52.96	2.39992G	-17.74	2.4G	-21.80	2.4866G	-51.32	23.5025G	-41.47	3
2412MHz	Pass	2.40697G	13.02	-16.98	2.12962G	-54.20	2.39952G	-17.12	2.4G	-19.71	2.48598G	-50.93	23.25245G	-42.12	4
2437MHz	Pass	2.40697G	13.02	-16.98	2.19486G	-53.47	2.39984G	-47.23	2.4G	-48.35	2.49896G	-51.71	24.89605G	-40.93	1
2437MHz	Pass	2.40697G	13.02	-16.98	2.11477G	-53.27	2.39986G	-47.35	2.4G	-48.33	2.49962G	-51.77	23.53341G	-41.14	2
2437MHz	Pass	2.40697G	13.02	-16.98	2.1136G	-53.91	2.39918G	-47.73	2.4G	-48.36	2.48712G	-51.28	17.08265G	-41.41	3
2437MHz	Pass	2.40697G	13.02	-16.98	1.99186G	-53.74	2.3995G	-46.35	2.4G	-49.52	2.50112G	-51.59	24.88481G	-42.05	4
2462MHz	Pass	2.40697G	13.02	-16.98	2.13952G	-53.25	2.39926G	-49.02	2.4G	-48.97	2.5061G	-51.03	23.24121G	-41.16	1
2462MHz	Pass	2.40697G	13.02	-16.98	2.06176G	-53.65	2.3972G	-50.34	2.4835G	-51.14	2.48416G	-49.84	24.9129G	-40.86	2
2462MHz	Pass	2.40697G	13.02	-16.98	2.09292G	-53.49	2.39756G	-49.53	2.4G	-48.53	2.48354G	-49.02	23.29741G	-41.82	3
2462MHz	Pass	2.40697G	13.02	-16.98	2.08302G	-53.98	2.39938G	-50.08	2.4G	-50.65	2.4851G	-48.94	23.22998G	-41.54	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	11.00	-19.00	2.10245G	-53.18	2.39916G	-25.37	2.4G	-26.18	2.48834G	-51.10	15.06624G	-41.00	1
2422MHz	Pass	2.442G	11.00	-19.00	1.8454G	-53.47	2.39956G	-24.99	2.4G	-26.12	2.5195G	-51.81	24.91025G	-41.00	2
2422MHz	Pass	2.442G	11.00	-19.00	2.14911G	-53.78	2.39932G	-25.18	2.4G	-26.63	2.4855G	-51.58	15.21208G	-41.78	3
2422MHz	Pass	2.442G	11.00	-19.00	2.30712G	-53.36	2.39884G	-23.42	2.4G	-25.69	2.52642G	-51.84	24.84575G	-41.86	4
2437MHz	Pass	2.442G	11.00	-19.00	2.13251G	-53.51	2.39948G	-26.93	2.4G	-31.05	2.5193G	-50.83	16.90884G	-40.42	1
2437MHz	Pass	2.442G	11.00	-19.00	1.93213G	-53.74	2.39992G	-27.80	2.4G	-29.16	2.48994G	-51.72	17.59596G	-40.91	2
2437MHz	Pass	2.442G	11.00	-19.00	2.30054G	-53.99	2.39952G	-25.49	2.4G	-29.72	2.49698G	-51.87	24.58212G	-41.91	3
2437MHz	Pass	2.442G	11.00	-19.00	2.14911G	-53.37	2.39932G	-27.94	2.4G	-32.04	2.50738G	-51.24	24.8766G	-41.47	4



CSE(Non-restricted Band)_Non-Beamforming

Appendix E.1

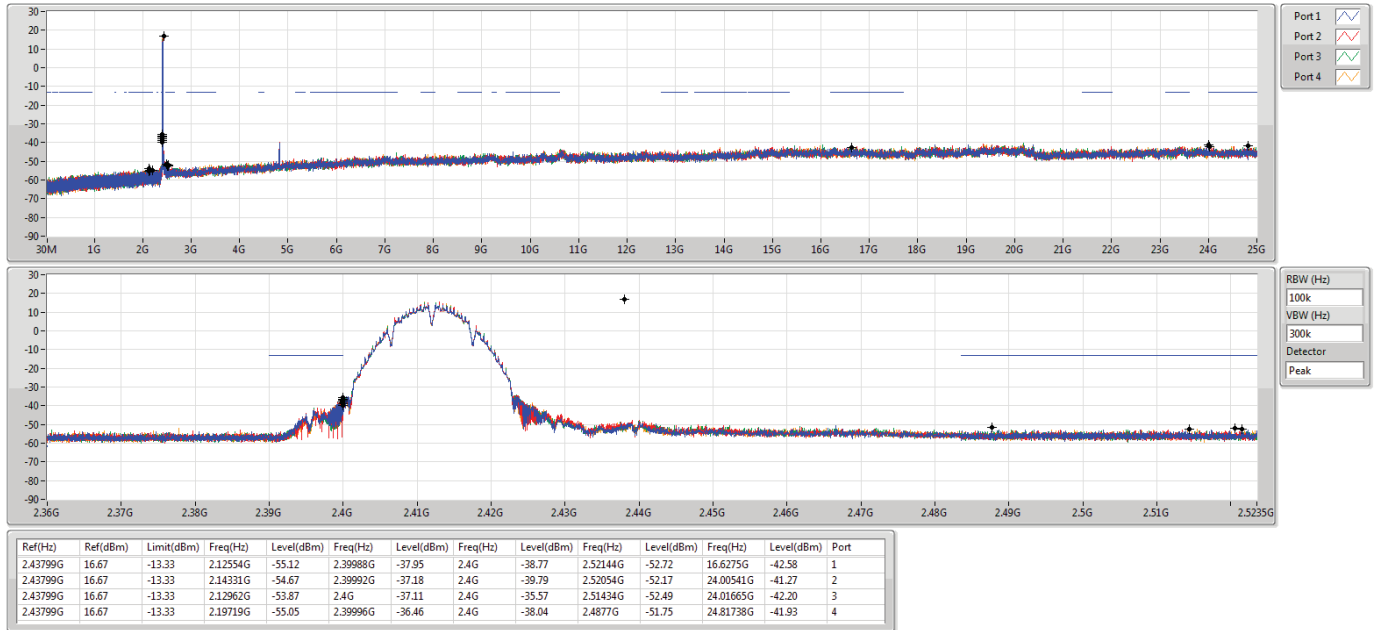
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2452MHz	Pass	2.442G	11.00	-19.00	1.96133G	-53.56	2.39956G	-34.73	2.4G	-41.19	2.48514G	-48.56	24.89623G	-41.14	1
2452MHz	Pass	2.442G	11.00	-19.00	1.90723G	-53.18	2.39888G	-37.95	2.4G	-40.48	2.4839G	-46.01	24.94952G	-41.26	2
2452MHz	Pass	2.442G	11.00	-19.00	1.83939G	-53.85	2.39916G	-37.39	2.4G	-42.19	2.4845G	-47.27	25G	-41.76	3
2452MHz	Pass	2.442G	11.00	-19.00	2.06581G	-53.13	2.39992G	-38.39	2.4G	-42.47	2.48506G	-49.19	24.50359G	-41.30	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41449G	13.62	-16.38	2.16224G	-52.81	2.39938G	-18.79	2.4G	-20.99	2.48856G	-51.12	24.85671G	-41.70	1
2412MHz	Pass	2.41449G	13.62	-16.38	1.95749G	-53.93	2.39924G	-17.83	2.4G	-20.18	2.50894G	-51.70	24.90447G	-40.27	2
2412MHz	Pass	2.41449G	13.62	-16.38	2.14972G	-53.34	2.39984G	-16.46	2.4G	-19.14	2.50928G	-51.89	24.88762G	-40.61	3
2412MHz	Pass	2.41449G	13.62	-16.38	2.12729G	-54.02	2.39988G	-18.42	2.4G	-19.18	2.51576G	-51.50	21.99658G	-41.42	4
2437MHz	Pass	2.41449G	13.62	-16.38	1.98982G	-54.06	2.39996G	-44.65	2.4G	-46.85	2.48652G	-51.34	15.04291G	-41.14	1
2437MHz	Pass	2.41449G	13.62	-16.38	2.3067G	-52.93	2.39994G	-43.42	2.4G	-46.14	2.51054G	-52.06	16.55165G	-40.93	2
2437MHz	Pass	2.41449G	13.62	-16.38	2.08739G	-54.20	2.39962G	-45.67	2.4G	-45.95	2.50974G	-51.98	24.80052G	-39.62	3
2437MHz	Pass	2.41449G	13.62	-16.38	2.10749G	-53.52	2.39886G	-45.24	2.4G	-47.12	2.48706G	-51.18	23.22155G	-41.62	4
2462MHz	Pass	2.41449G	13.62	-16.38	2.11011G	-54.16	2.4G	-49.54	2.4G	-50.12	2.48454G	-48.63	14.87434G	-41.56	1
2462MHz	Pass	2.41449G	13.62	-16.38	1.87507G	-53.88	2.39866G	-49.72	2.4835G	-49.56	2.48376G	-47.09	23.52217G	-41.24	2
2462MHz	Pass	2.41449G	13.62	-16.38	2.014G	-53.76	2.39664G	-50.17	2.4G	-49.49	2.4842G	-48.50	15.24801G	-41.65	3
2462MHz	Pass	2.41449G	13.62	-16.38	2.30932G	-53.51	2.39778G	-49.32	2.4835G	-49.31	2.48468G	-46.93	24.85952G	-41.48	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42572G	10.21	-19.79	2.13251G	-54.28	2.39908G	-23.71	2.4G	-23.31	2.5239G	-51.77	24.99159G	-41.20	1
2422MHz	Pass	2.42572G	10.21	-19.79	2.30912G	-53.75	2.39984G	-22.83	2.4G	-25.28	2.4995G	-52.01	21.929G	-41.09	2
2422MHz	Pass	2.42572G	10.21	-19.79	1.88061G	-52.59	2.39884G	-21.79	2.4G	-24.30	2.48542G	-51.39	24.85697G	-41.85	3
2422MHz	Pass	2.42572G	10.21	-19.79	2.30912G	-52.50	2.39952G	-21.12	2.4G	-23.94	2.5131G	-51.79	23.13497G	-41.53	4
2437MHz	Pass	2.42572G	10.21	-19.79	2.12478G	-53.11	2.3992G	-27.90	2.4G	-27.69	2.5005G	-51.29	24.89343G	-40.55	1
2437MHz	Pass	2.42572G	10.21	-19.79	2.30741G	-53.56	2.3982G	-28.17	2.4G	-31.19	2.48454G	-51.94	23.24434G	-40.24	2
2437MHz	Pass	2.42572G	10.21	-19.79	2.03232G	-53.80	2.39952G	-27.79	2.4G	-30.18	2.48558G	-51.54	24.88501G	-41.27	3
2437MHz	Pass	2.42572G	10.21	-19.79	2.11905G	-53.78	2.39844G	-28.24	2.4G	-31.33	2.4849G	-51.71	15.04661G	-40.49	4
2452MHz	Pass	2.42572G	10.21	-19.79	2.15111G	-53.37	2.39992G	-35.74	2.4G	-36.45	2.4847G	-47.72	24.89623G	-41.07	1
2452MHz	Pass	2.42572G	10.21	-19.79	2.12793G	-54.12	2.39956G	-34.93	2.4G	-37.35	2.4857G	-47.27	23.22191G	-41.96	2
2452MHz	Pass	2.42572G	10.21	-19.79	2.30426G	-53.26	2.39952G	-33.61	2.4G	-38.85	2.48434G	-46.87	23.16582G	-41.37	3
2452MHz	Pass	2.42572G	10.21	-19.79	2.13422G	-53.46	2.399G	-36.55	2.4G	-36.99	2.48458G	-46.95	23.17423G	-41.32	4

802.11b_Nss1,(1Mbps)_4TX

2412MHz

CSENdB

12/05/2020

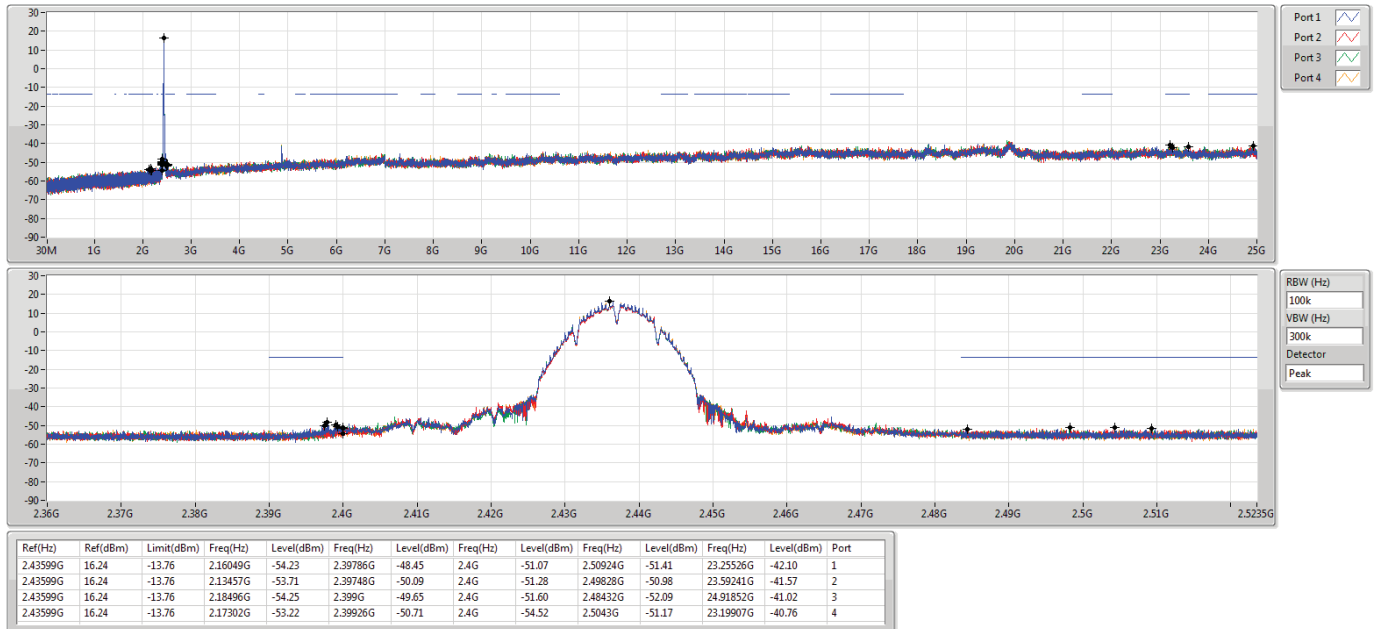


802.11b_Nss1,(1Mbps)_4TX

2437MHz

CSE NdB

08/05/2020

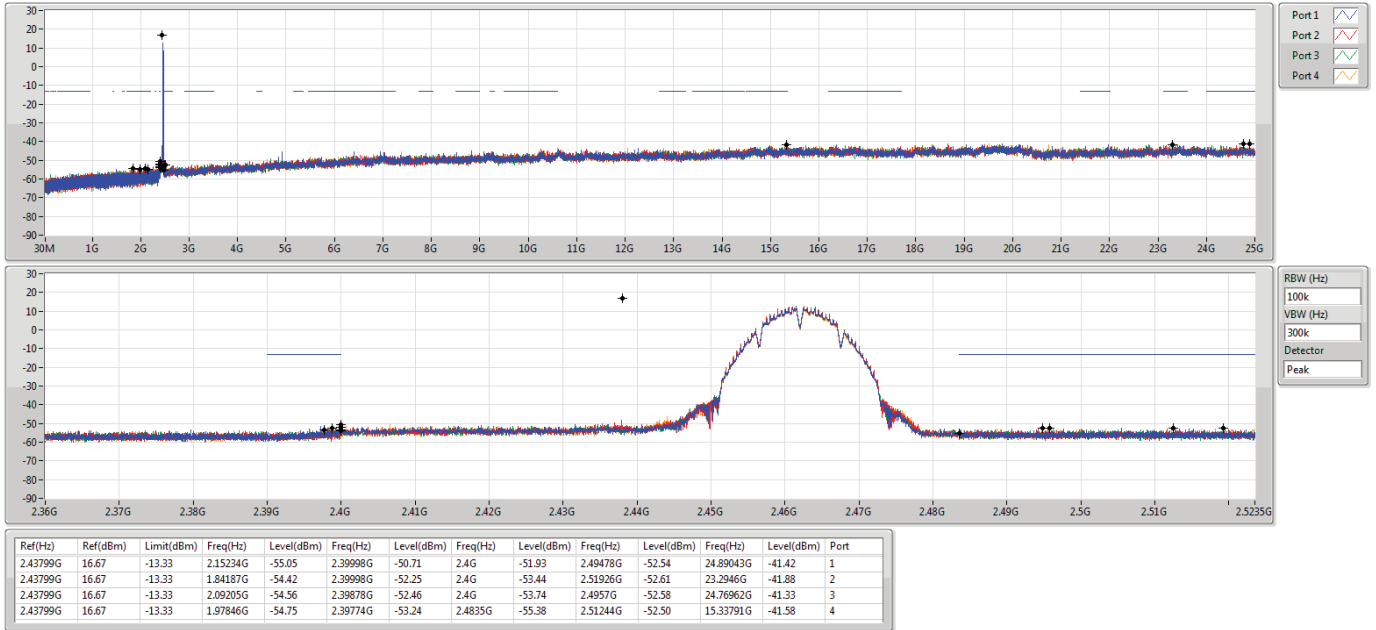




802.11b_Nss1,(1Mbps)_4TX

CSENdB

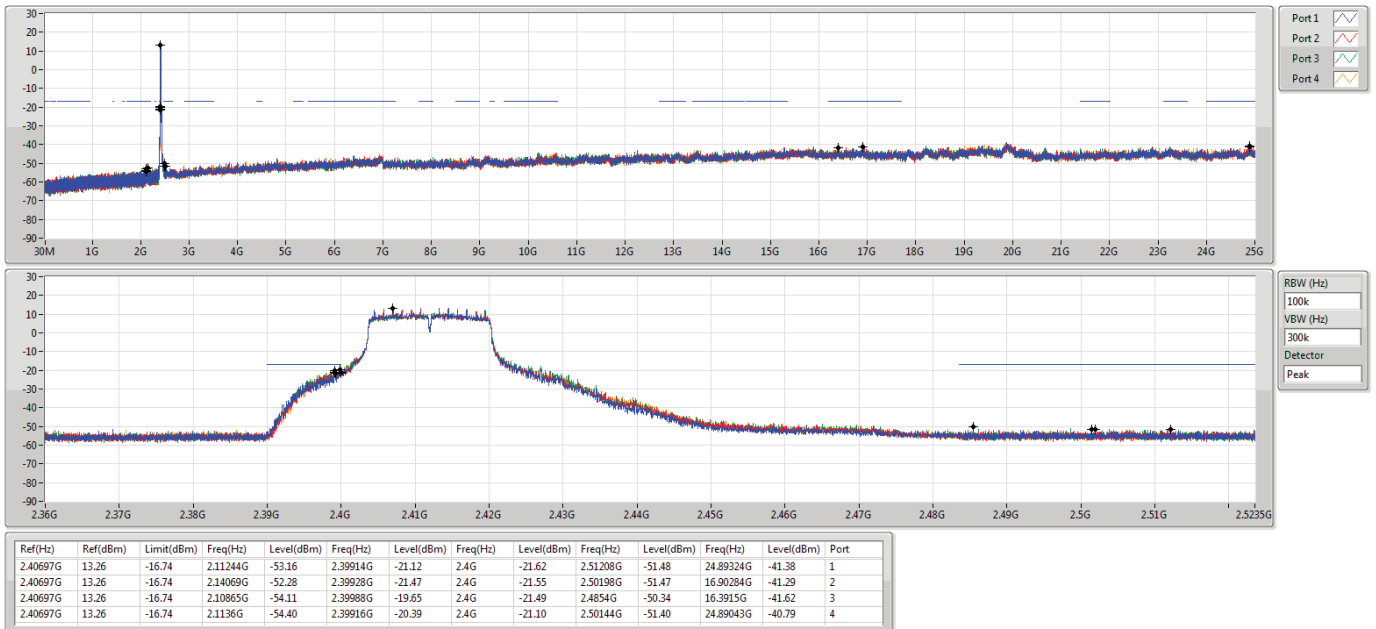
2462MHz



802.11g_Nss1,(6Mbps)_4TX

CSE NdB

2412MHz

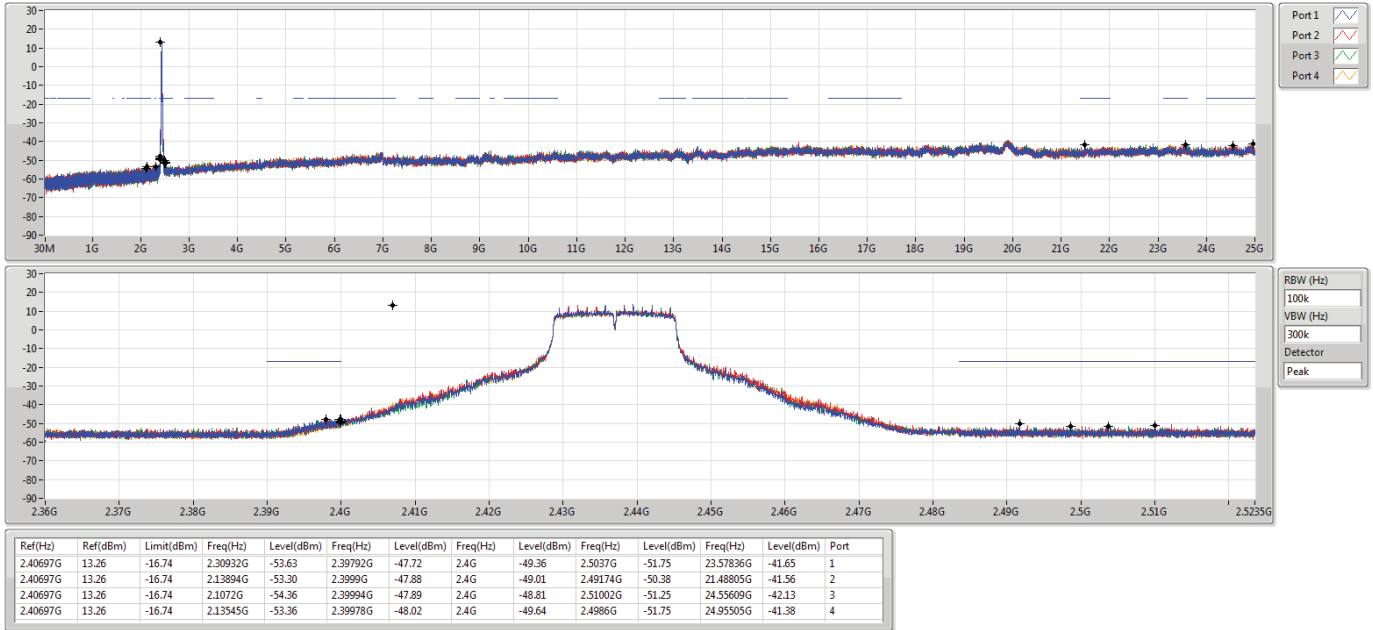


802.11g_Nss1,(6Mbps)_4TX

2437MHz

CSE NdB

08/05/2020

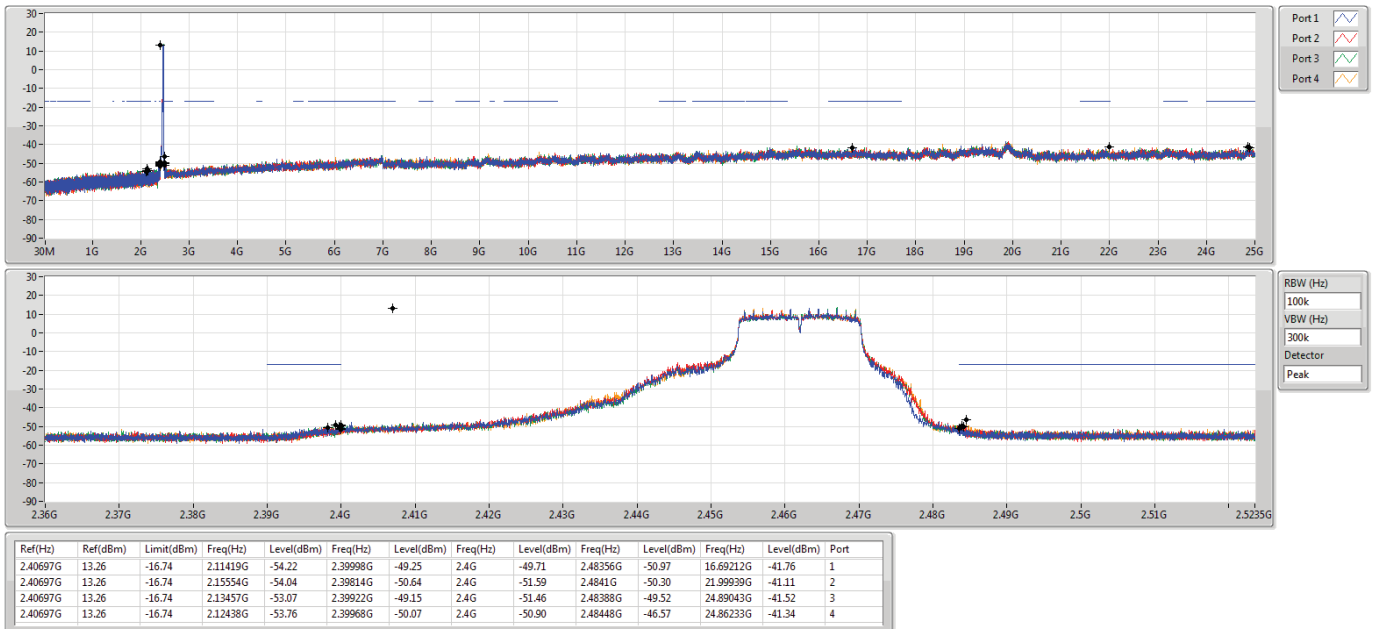


802.11g_Nss1,(6Mbps)_4TX

2462MHz

CSE NdB

08/05/2020

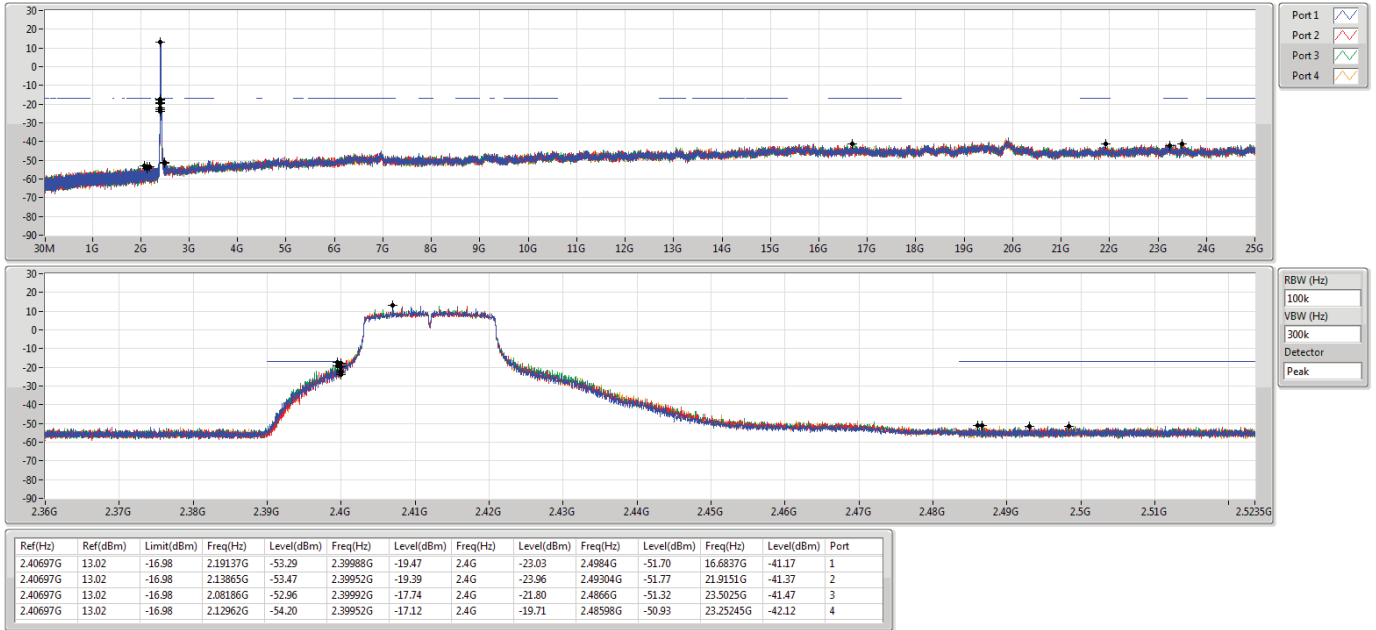


VHT20_Nss1,(MCS0)_4TX

2412MHz

CSE NdB

08/05/2020

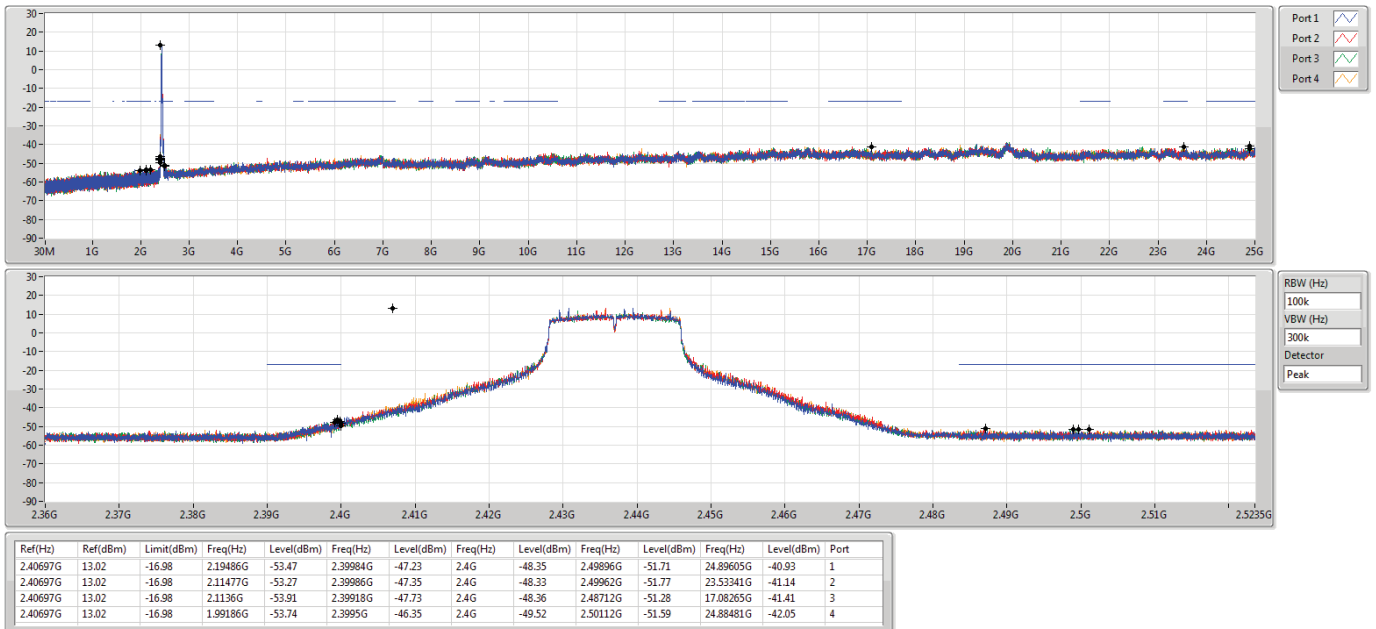


VHT20_Nss1,(MCS0)_4TX

2437MHz

CSE NdB

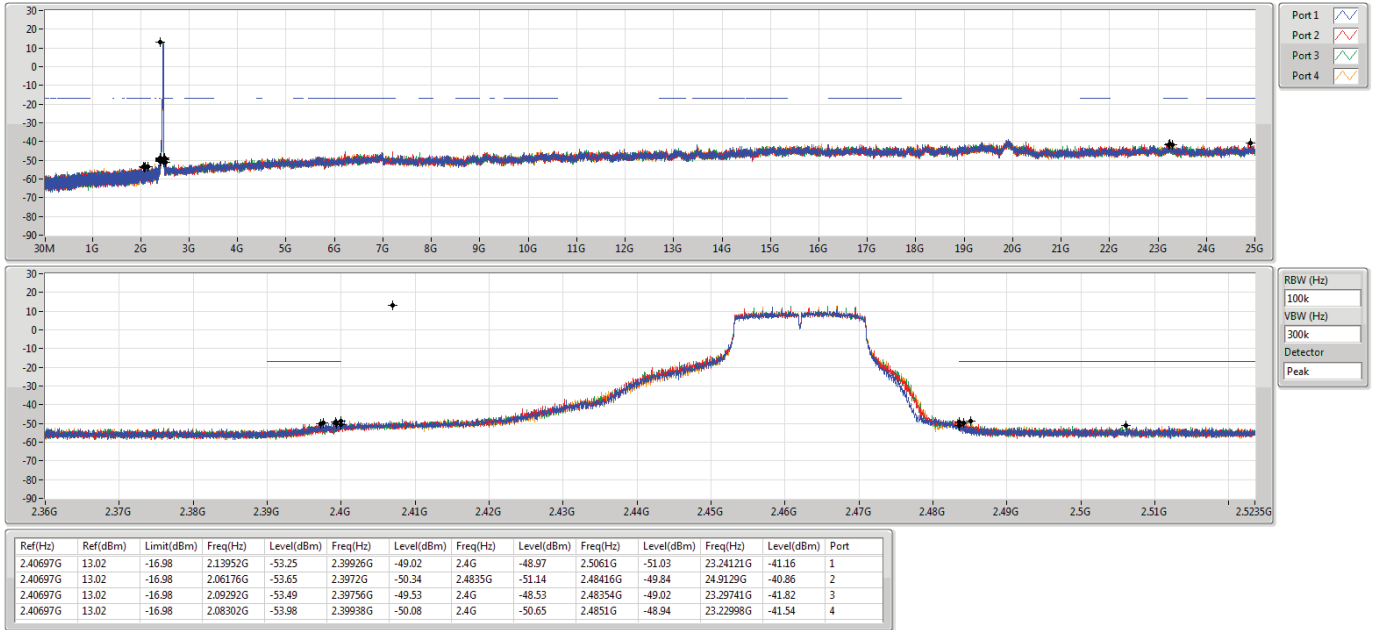
08/05/2020



VHT20_Nss1,(MCS0)_4TX

CSE NdB

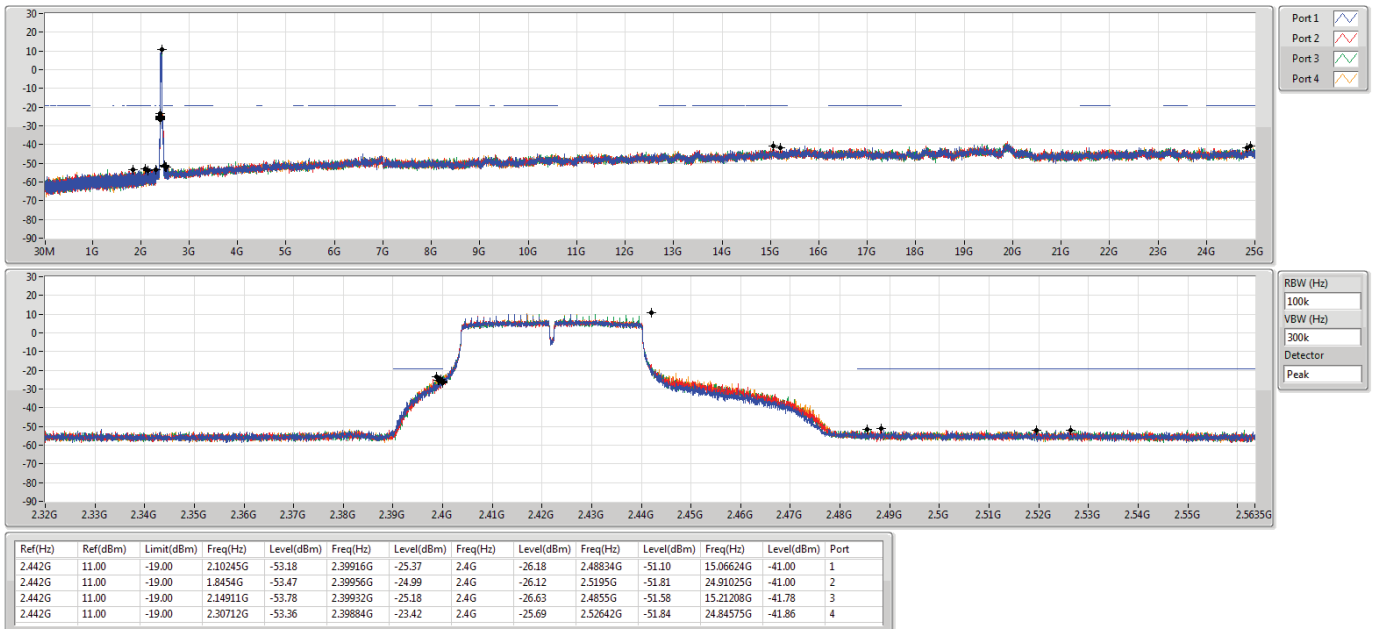
2462MHz



VHT40_Nss1,(MCS0)_4TX

CSE NdB

2422MHz

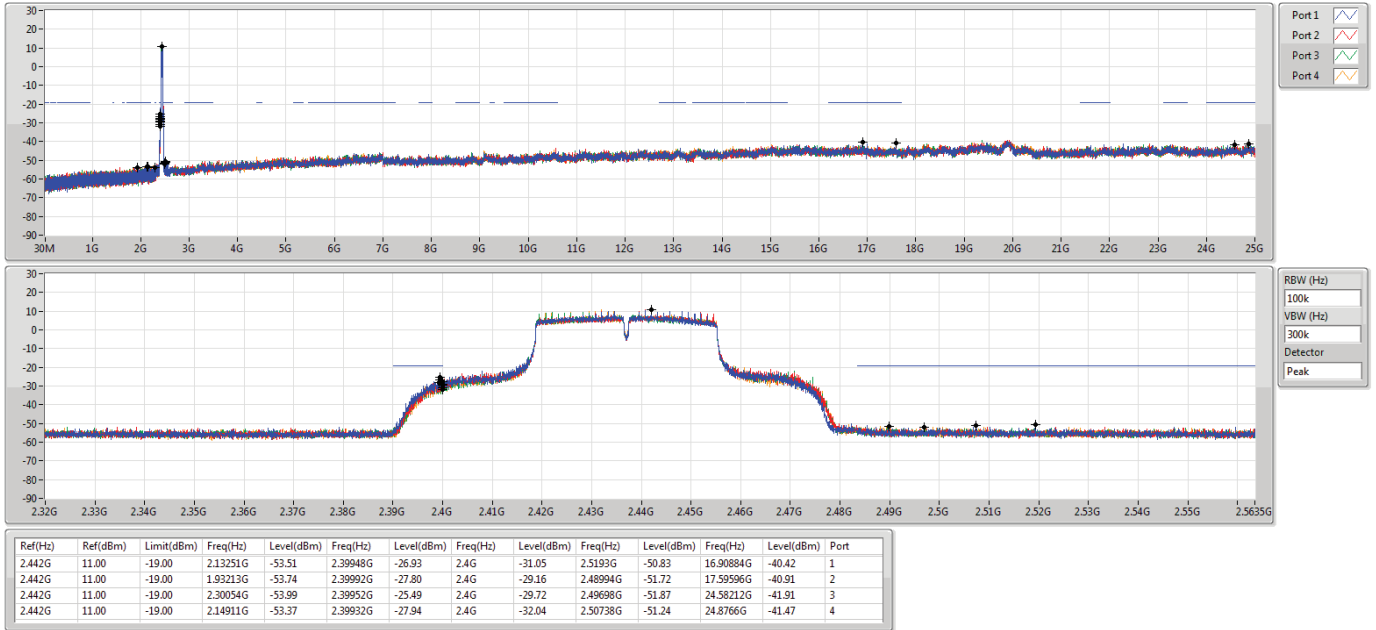


VHT40_Nss1,(MCS0)_4TX

2437MHz

CSE NdB

08/05/2020

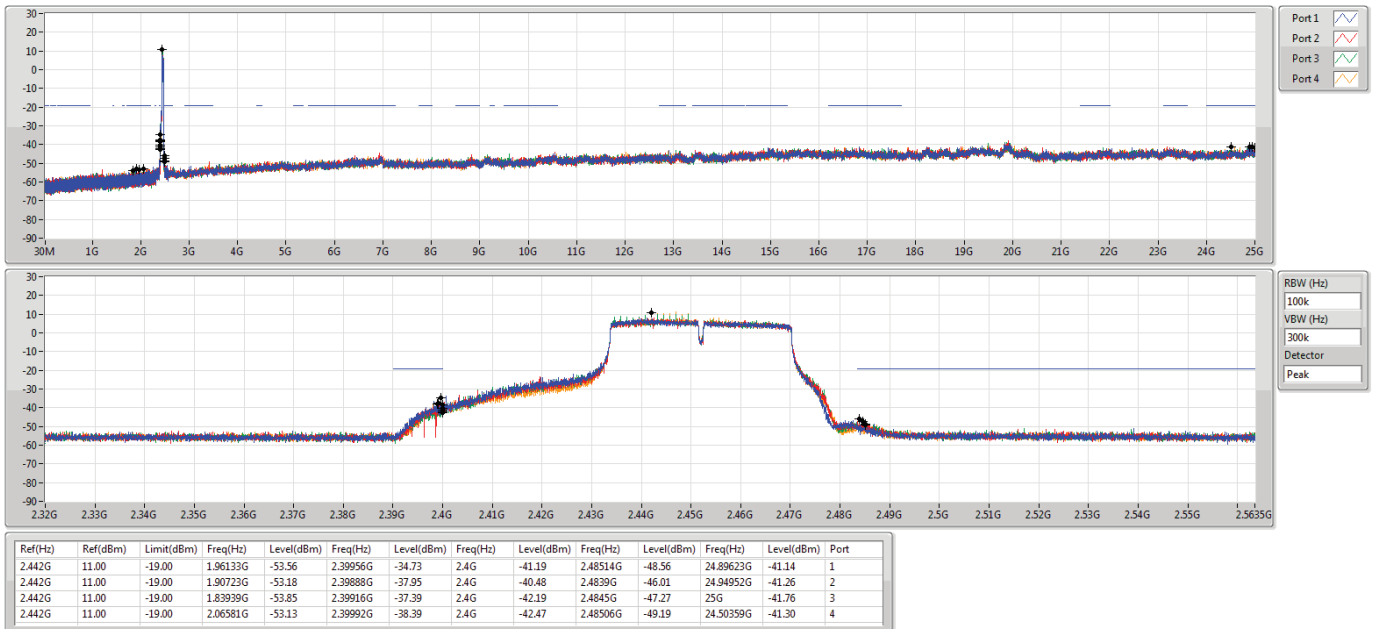


VHT40_Nss1,(MCS0)_4TX

2452MHz

CSE NdB

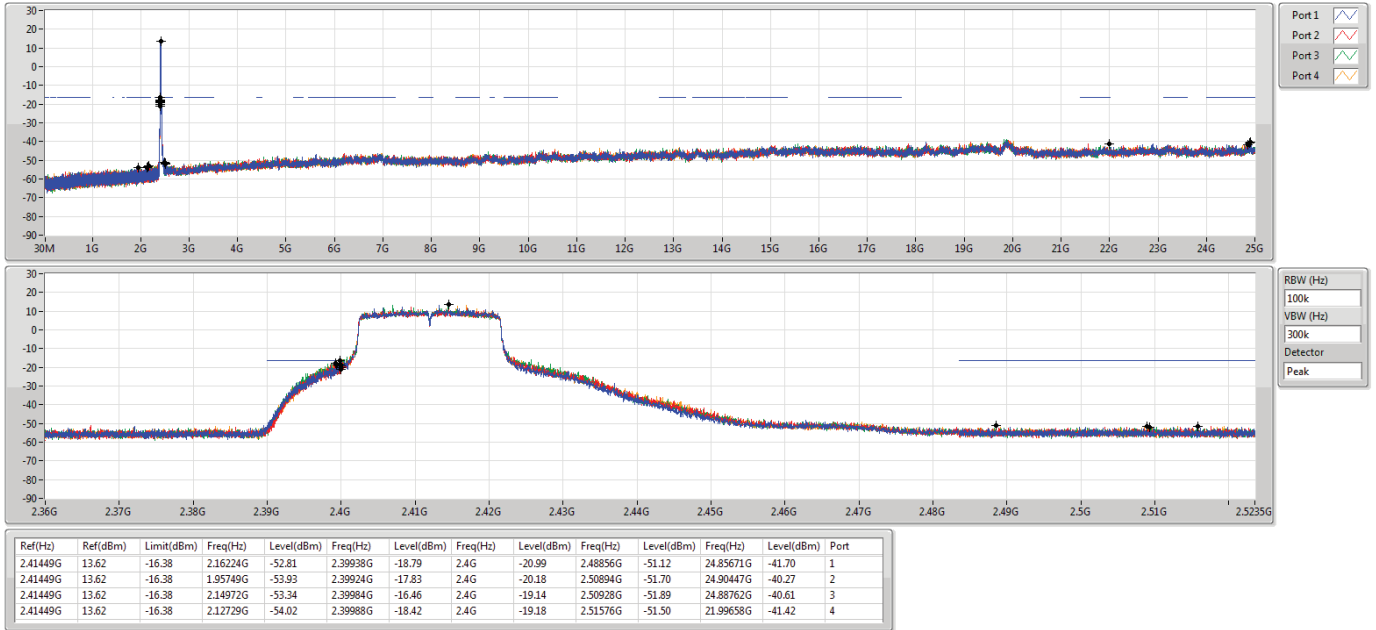
08/05/2020



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

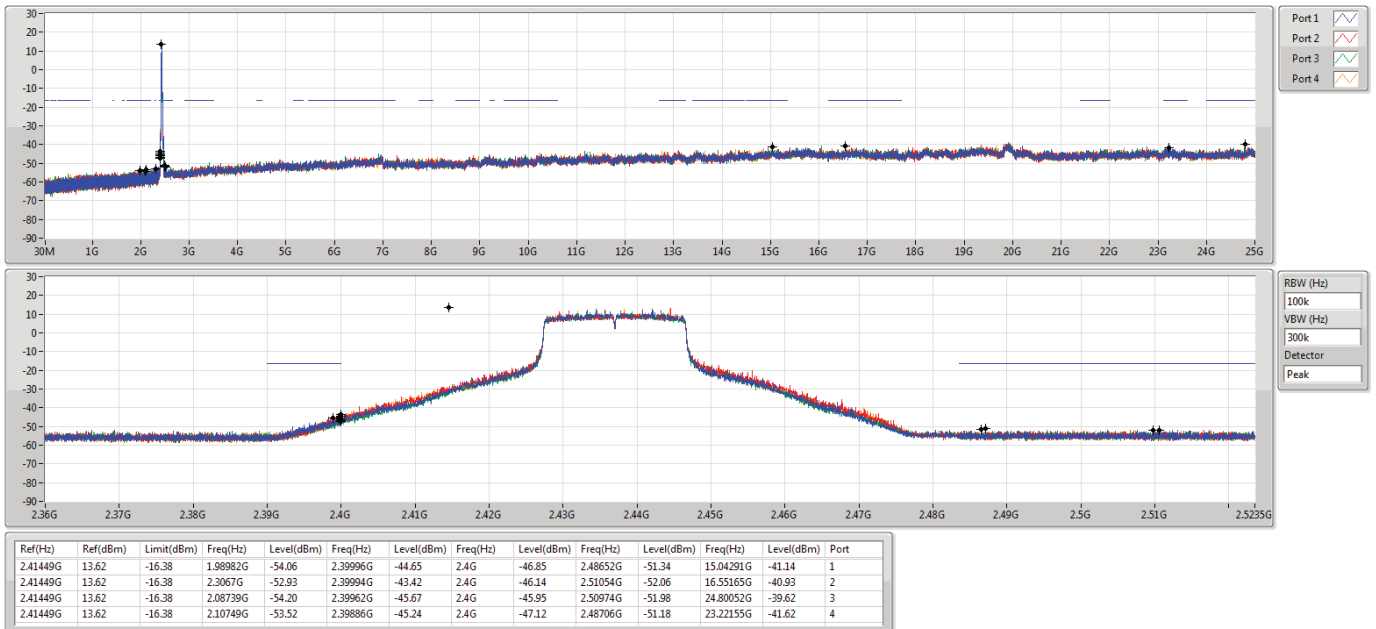
2412MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

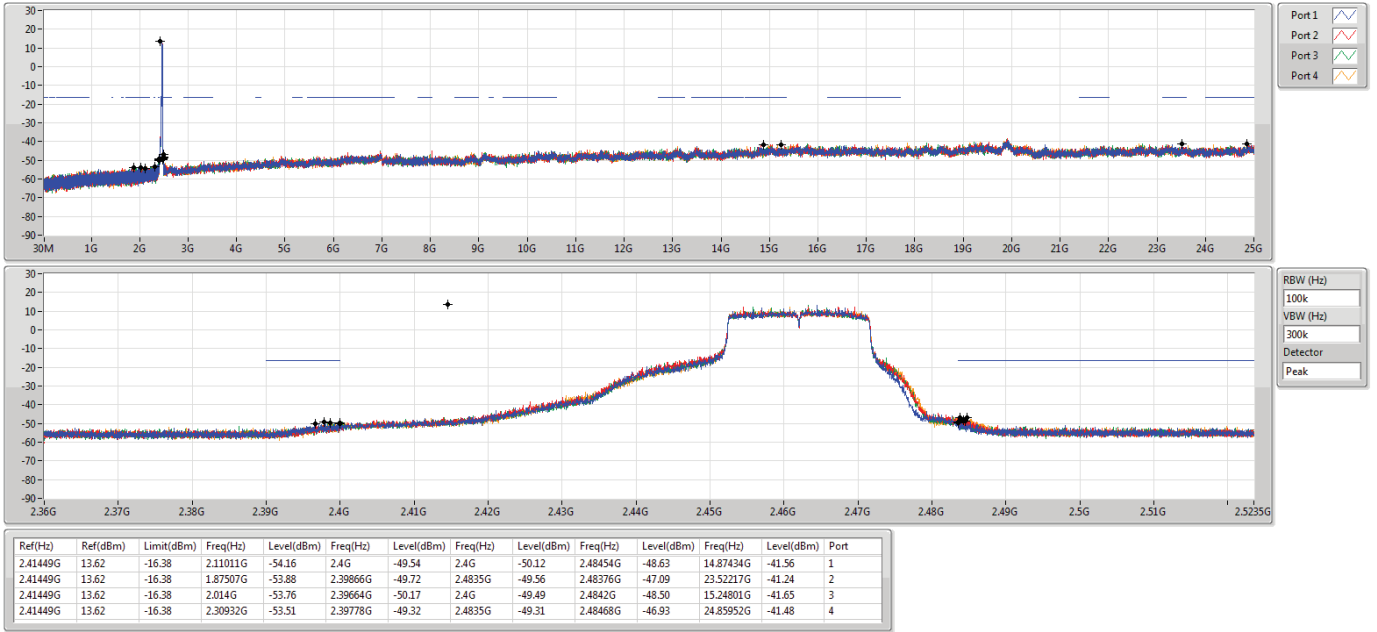
2437MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

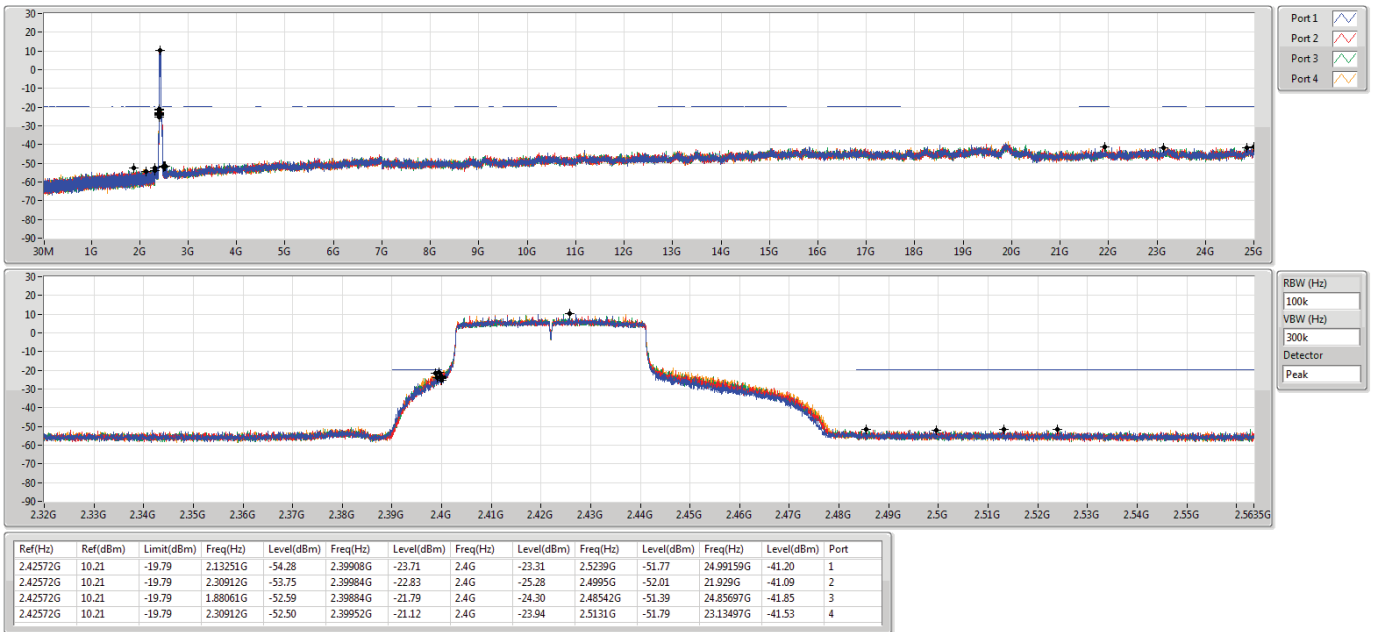
2462MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

2422MHz

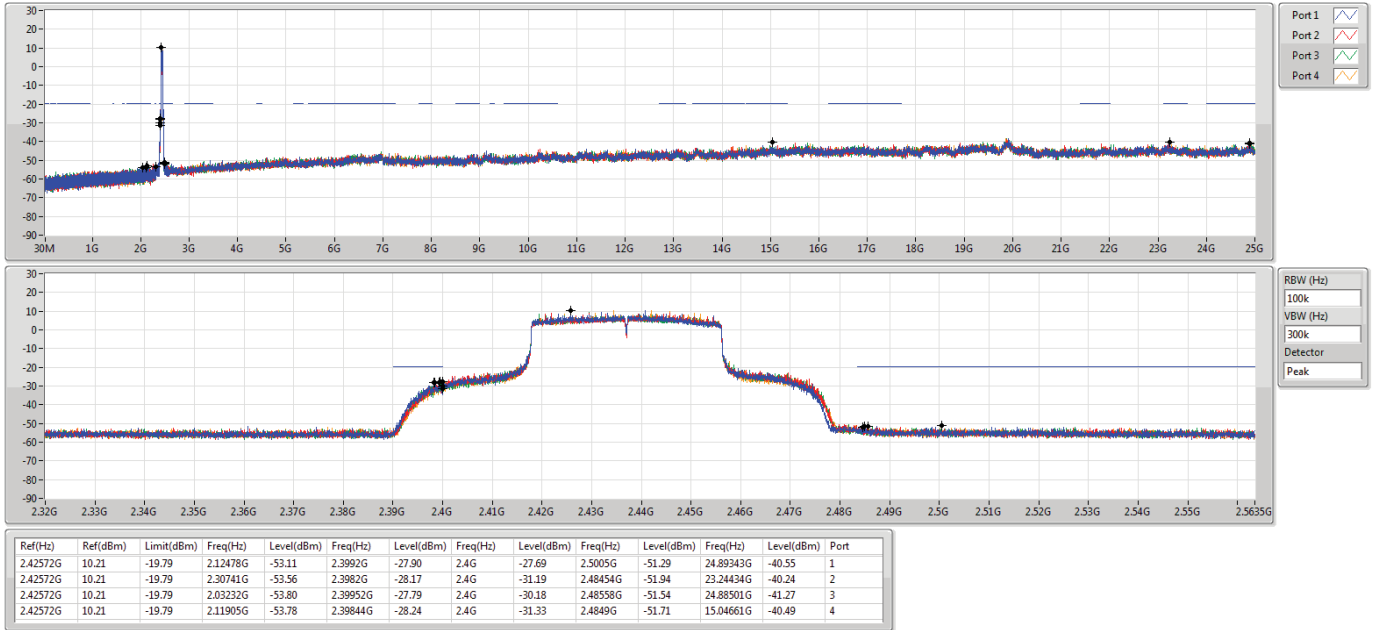




802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

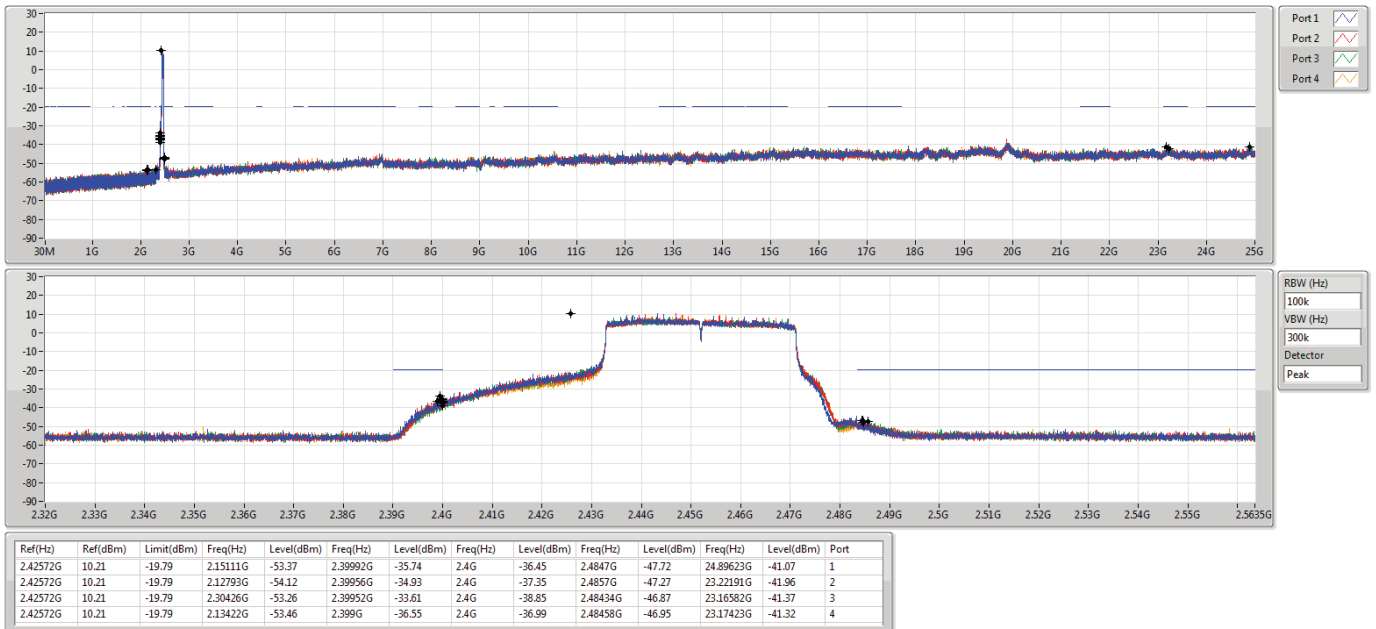
2437MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

2452MHz





Summary

Mode	Result	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_4TX	Pass	2.442G	11.23	-18.77	2.06817G	-50.92	2.39998G	-27.90	2.4G	-30.28	2.5201G	-50.29	14.95862G	-38.45	4
VHT40-BF_Nss1,(MCS0)_4TX	Pass	2.43699G	11.09	-18.91	2.14052G	-51.49	2.39988G	-33.21	2.4G	-30.85	2.54882G	-49.36	16.86677G	-37.62	4
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.442G	11.76	-18.24	2.16166G	-51.82	2.4G	-26.81	2.4G	-30.68	2.51632G	-49.84	15.02043G	-37.62	1
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.44701G	8.99	-21.01	2.00999G	-51.85	2.3982G	-25.81	2.4G	-31.03	2.49166G	-49.53	23.44066G	-38.22	2

**Result**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	11.23	-18.77	2.05797G	-51.73	2.3997G	-28.72	2.4G	-30.06	2.50264G	-49.77	15.33511G	-38.33	1
2412MHz	Pass	2.442G	11.23	-18.77	2.13865G	-50.31	2.39982G	-29.92	2.4G	-30.95	2.4916G	-50.04	23.19345G	-38.00	2
2412MHz	Pass	2.442G	11.23	-18.77	2.19865G	-51.90	2.39986G	-28.20	2.4G	-28.49	2.5143G	-48.45	23.39012G	-38.07	3
2412MHz	Pass	2.442G	11.23	-18.77	2.06817G	-50.92	2.39998G	-27.90	2.4G	-30.28	2.5201G	-50.29	14.95862G	-38.45	4
2437MHz	Pass	2.442G	11.23	-18.77	2.11273G	-50.92	2.39954G	-48.24	2.4G	-48.64	2.50836G	-48.86	23.43507G	-38.45	1
2437MHz	Pass	2.442G	11.23	-18.77	1.85614G	-51.43	2.39892G	-48.88	2.4G	-50.27	2.48706G	-49.24	23.12883G	-37.52	2
2437MHz	Pass	2.442G	11.23	-18.77	2.11797G	-51.43	2.39788G	-48.52	2.4G	-50.89	2.5061G	-49.99	23.15693G	-38.34	3
2437MHz	Pass	2.442G	11.23	-18.77	2.06555G	-51.65	2.39998G	-48.66	2.4G	-51.43	2.50998G	-48.60	14.70014G	-37.87	4
2462MHz	Pass	2.442G	11.23	-18.77	1.99361G	-51.96	2.39996G	-49.55	2.4G	-50.90	2.4853G	-48.66	14.91648G	-38.01	1
2462MHz	Pass	2.442G	11.23	-18.77	2.1369G	-50.09	2.39832G	-49.93	2.4G	-51.46	2.51762G	-48.96	16.70617G	-38.40	2
2462MHz	Pass	2.442G	11.23	-18.77	2.15758G	-51.57	2.39922G	-48.88	2.4G	-50.91	2.48886G	-49.65	15.18339G	-38.05	3
2462MHz	Pass	2.442G	11.23	-18.77	2.00147G	-51.59	2.39916G	-50.15	2.4G	-52.41	2.51914G	-48.64	14.9811G	-38.51	4
VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43699G	11.09	-18.91	1.78099G	-52.09	2.39988G	-33.19	2.4G	-32.24	2.5271G	-49.87	23.36214G	-37.93	1
2422MHz	Pass	2.43699G	11.09	-18.91	1.82336G	-51.79	2.39988G	-33.45	2.4G	-34.78	2.53366G	-49.39	14.64275G	-38.38	2
2422MHz	Pass	2.43699G	11.09	-18.91	1.96362G	-51.30	2.39988G	-31.72	2.4G	-33.72	2.51118G	-49.29	17.50621G	-37.88	3
2422MHz	Pass	2.43699G	11.09	-18.91	2.14052G	-51.49	2.39988G	-33.21	2.4G	-30.85	2.54882G	-49.36	16.86677G	-37.62	4
2437MHz	Pass	2.43699G	11.09	-18.91	1.79387G	-52.22	2.39988G	-35.95	2.4G	-43.56	2.54102G	-49.74	15.2261G	-38.35	1
2437MHz	Pass	2.43699G	11.09	-18.91	2.14453G	-51.76	2.3998G	-43.31	2.4G	-45.91	2.55738G	-49.61	23.42945G	-38.35	2
2437MHz	Pass	2.43699G	11.09	-18.91	1.97965G	-50.91	2.39688G	-41.83	2.4G	-37.39	2.50518G	-49.36	16.24135G	-37.71	3
2437MHz	Pass	2.43699G	11.09	-18.91	2.10388G	-51.75	2.39984G	-40.14	2.4G	-41.04	2.4935G	-49.64	24.48396G	-38.43	4
2452MHz	Pass	2.43699G	11.09	-18.91	1.99654G	-51.46	2.39856G	-41.03	2.4G	-40.28	2.49294G	-49.58	24.74198G	-37.55	1
2452MHz	Pass	2.43699G	11.09	-18.91	2.02345G	-51.65	2.39736G	-40.00	2.4G	-46.21	2.48826G	-49.76	24.756G	-37.30	2
2452MHz	Pass	2.43699G	11.09	-18.91	2.12106G	-51.56	2.39924G	-41.39	2.4G	-46.57	2.52098G	-49.47	16.86396G	-38.47	3
2452MHz	Pass	2.43699G	11.09	-18.91	2.09501G	-51.30	2.4G	-41.06	2.4G	-44.46	2.4873G	-49.86	23.39299G	-38.04	4
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	11.76	-18.24	2.16166G	-51.82	2.4G	-26.81	2.4G	-30.68	2.51632G	-49.84	15.02043G	-37.62	1
2412MHz	Pass	2.442G	11.76	-18.24	2.10487G	-51.59	2.39912G	-28.11	2.4G	-29.51	2.50926G	-49.08	16.57131G	-37.67	2
2412MHz	Pass	2.442G	11.76	-18.24	2.10457G	-51.19	2.39974G	-28.27	2.4G	-27.35	2.52084G	-49.36	14.96424G	-37.72	3
2412MHz	Pass	2.442G	11.76	-18.24	2.1104G	-52.24	2.39942G	-27.27	2.4G	-30.60	2.49318G	-49.20	23.54184G	-38.35	4
2437MHz	Pass	2.442G	11.76	-18.24	1.99303G	-50.73	2.39938G	-46.86	2.4G	-48.90	2.4846G	-49.69	24.02227G	-38.45	1
2437MHz	Pass	2.442G	11.76	-18.24	2.13603G	-51.37	2.3987G	-48.53	2.4G	-49.41	2.51258G	-49.50	17.69795G	-38.65	2
2437MHz	Pass	2.442G	11.76	-18.24	2.17564G	-50.39	2.39986G	-47.42	2.4G	-48.63	2.50424G	-48.29	23.42384G	-37.62	3
2437MHz	Pass	2.442G	11.76	-18.24	2.17535G	-51.59	2.39938G	-47.53	2.4G	-49.99	2.49368G	-50.01	16.80451G	-38.30	4
2462MHz	Pass	2.442G	11.76	-18.24	2.08244G	-50.87	2.39824G	-50.12	2.4G	-50.17	2.52158G	-49.69	24.49709G	-38.40	1
2462MHz	Pass	2.442G	11.76	-18.24	2.30816G	-51.36	2.39434G	-50.25	2.4G	-50.35	2.51526G	-49.70	23.39293G	-37.75	2
2462MHz	Pass	2.442G	11.76	-18.24	1.78187G	-51.10	2.39998G	-49.27	2.4G	-50.63	2.49182G	-49.15	16.8017G	-38.34	3
2462MHz	Pass	2.442G	11.76	-18.24	2.14535G	-50.12	2.39916G	-50.44	2.4835G	-51.36	2.48624G	-48.80	23.49126G	-38.03	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44701G	8.99	-21.01	2.30197G	-51.67	2.3994G	-29.26	2.4G	-31.02	2.52718G	-49.61	23.42103G	-37.98	1
2422MHz	Pass	2.44701G	8.99	-21.01	2.00999G	-51.85	2.3982G	-25.81	2.4G	-31.03	2.49166G	-49.53	23.44066G	-38.22	2
2422MHz	Pass	2.44701G	8.99	-21.01	2.1494G	-51.29	2.39992G	-29.95	2.4G	-31.67	2.55806G	-49.36	23.39579G	-37.40	3
2422MHz	Pass	2.44701G	8.99	-21.01	2.1222G	-50.46	2.39804G	-26.46	2.4G	-31.93	2.53642G	-49.25	15.2878G	-38.31	4
2437MHz	Pass	2.44701G	8.99	-21.01	2.17516G	-52.21	2.39952G	-32.33	2.4G	-42.10	2.54678G	-50.05	24.24277G	-38.84	1
2437MHz	Pass	2.44701G	8.99	-21.01	2.11705G	-51.11	2.39956G	-31.60	2.4G	-42.97	2.48454G	-49.74	23.49675G	-38.23	2
2437MHz	Pass	2.44701G	8.99	-21.01	2.12392G	-50.60	2.3992G	-31.86	2.4G	-39.62	2.52918G	-49.71	23.38457G	-37.08	3
2437MHz	Pass	2.44701G	8.99	-21.01	2.17058G	-51.64	2.39956G	-28.26	2.4G	-40.98	2.48598G	-49.54	24.86258G	-37.60	4



CSE(Non-restricted Band)_Beamforming

Appendix E.2

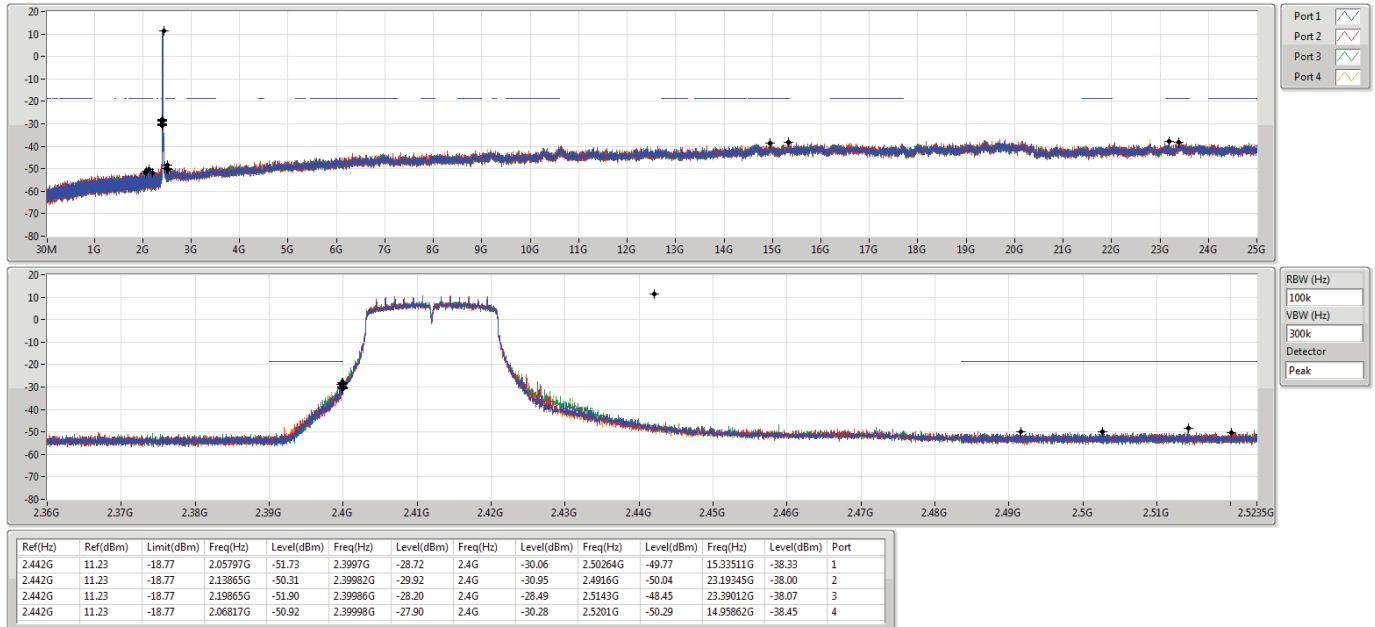
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2452MHz	Pass	2.44701G	8.99	-21.01	2.11619G	-51.70	2.39924G	-42.36	2.4G	-44.83	2.48542G	-48.78	15.31585G	-37.95	1
2452MHz	Pass	2.44701G	8.99	-21.01	2.15226G	-51.37	2.39872G	-40.67	2.4G	-44.45	2.48854G	-49.19	15.29341G	-37.71	2
2452MHz	Pass	2.44701G	8.99	-21.01	2.10445G	-51.30	2.39948G	-39.45	2.4G	-45.25	2.48482G	-48.17	24.09693G	-38.18	3
2452MHz	Pass	2.44701G	8.99	-21.01	2.14796G	-51.55	2.39976G	-42.45	2.4G	-45.25	2.51022G	-49.43	23.42664G	-37.32	4

VHT20-BF_Nss1,(MCS0)_4TX

2412MHz

CSENdB

14/05/2020

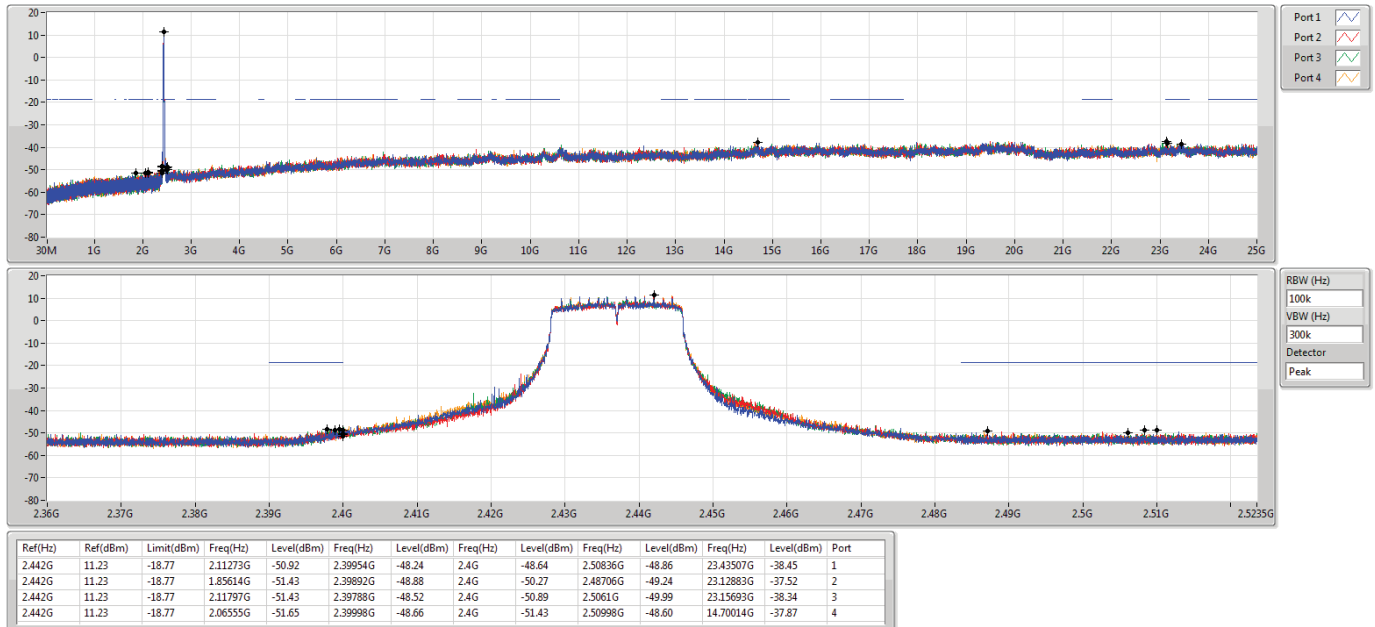


VHT20-BF_Nss1,(MCS0)_4TX

2437MHz

CSENdB

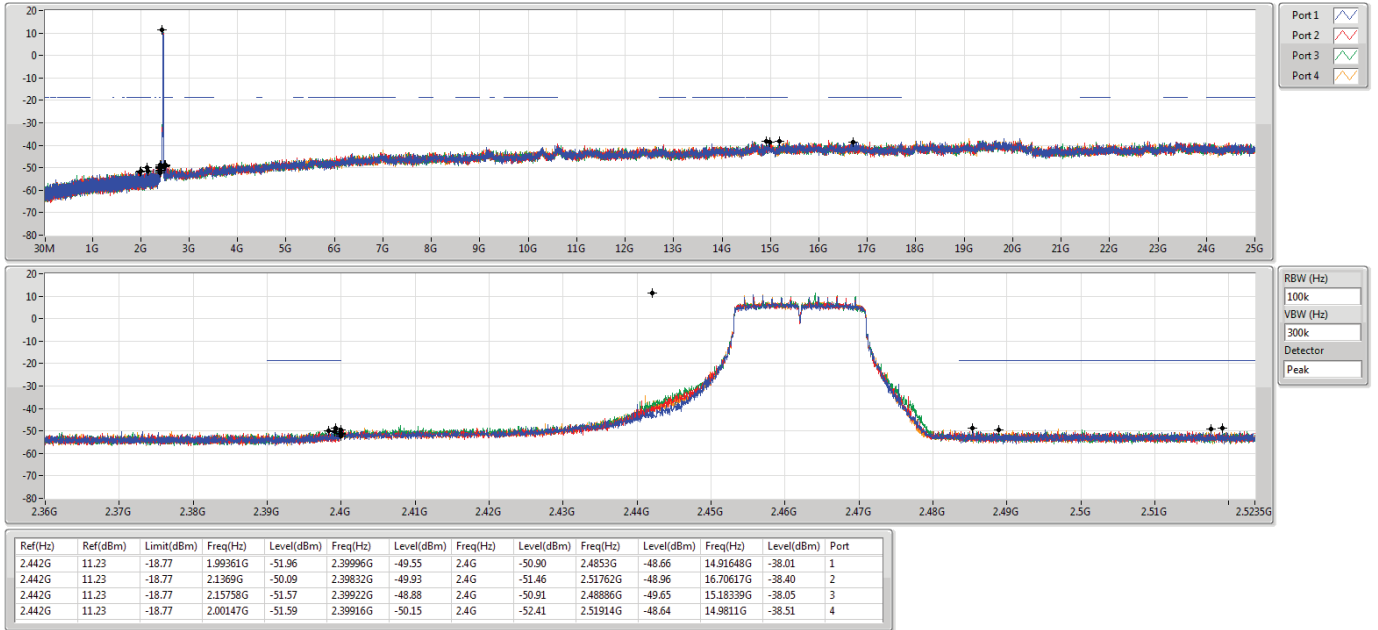
14/05/2020



VHT20-BF_Nss1,(MCS0)_4TX

CSENdB

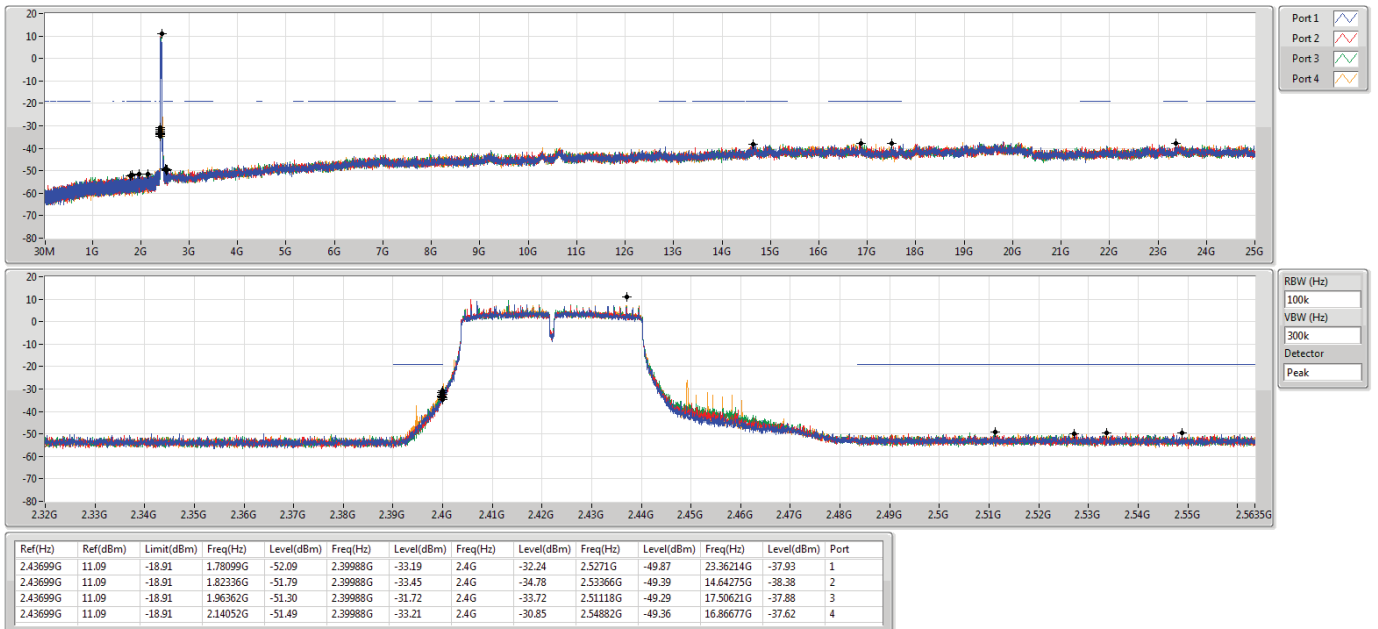
2462MHz



VHT40-BF_Nss1,(MCS0)_4TX

CSENdB

2422MHz

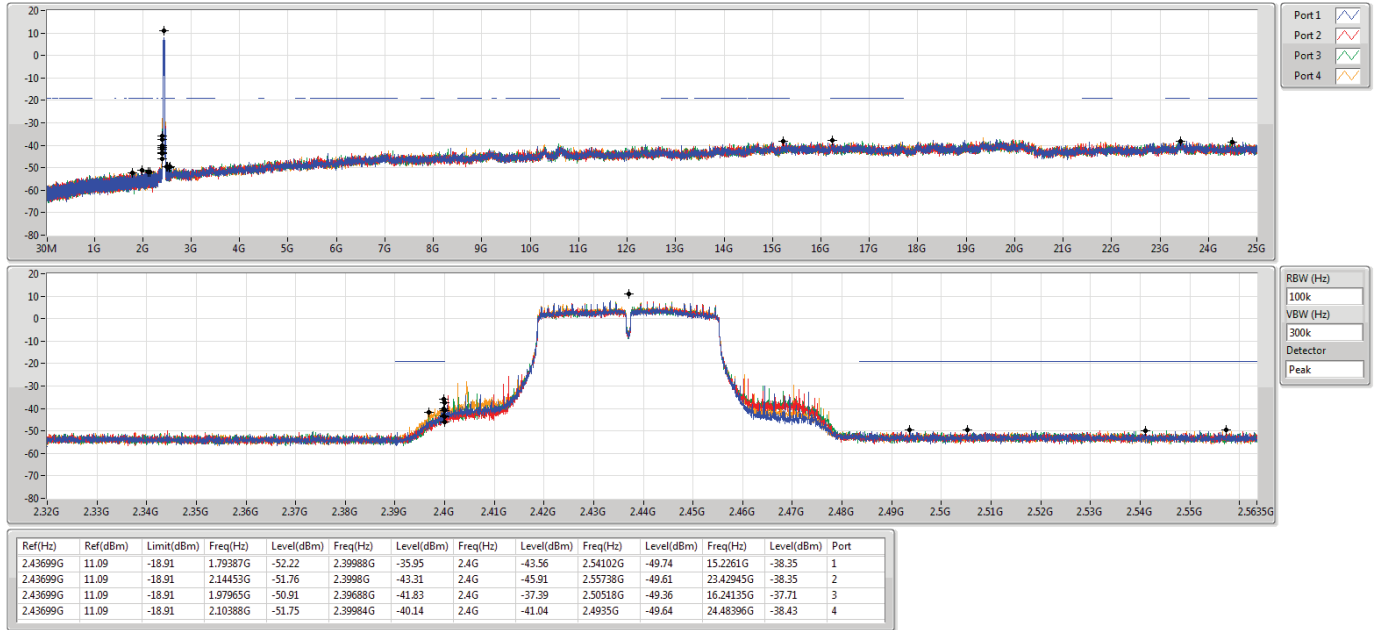


VHT40-BF_Nss1,(MCS0)_4TX

2437MHz

CSENdB

14/05/2020

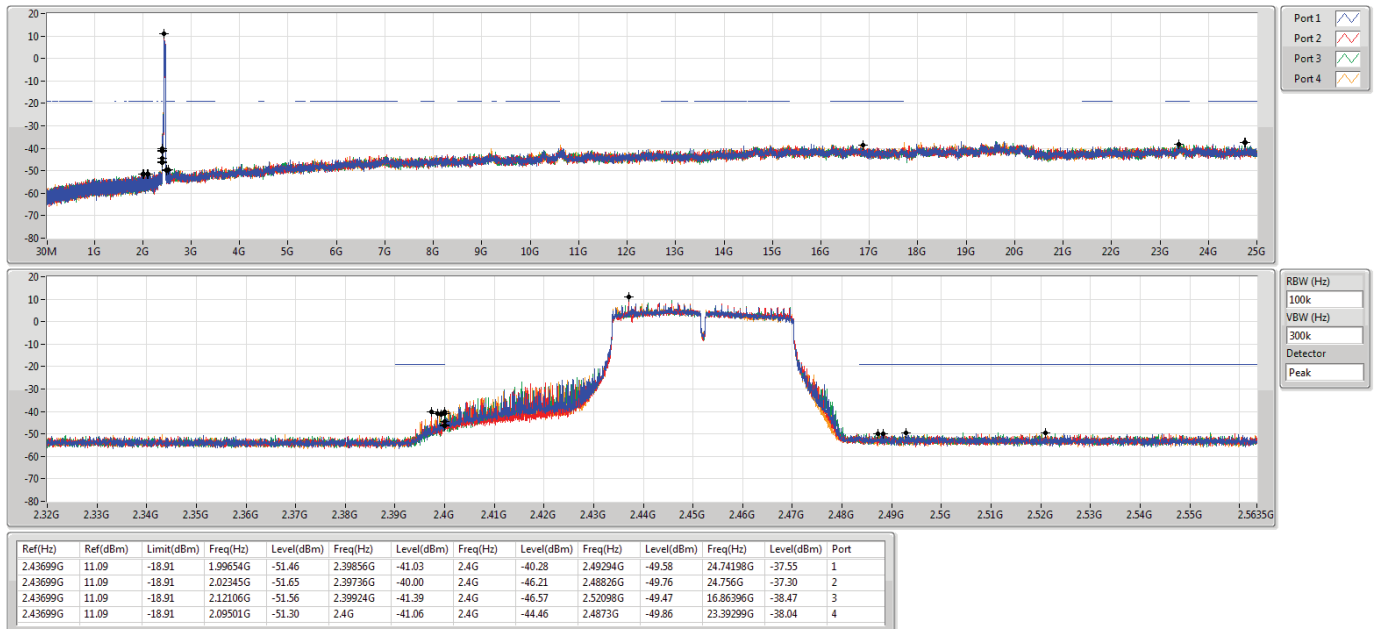


VHT40-BF_Nss1,(MCS0)_4TX

2452MHz

CSENdB

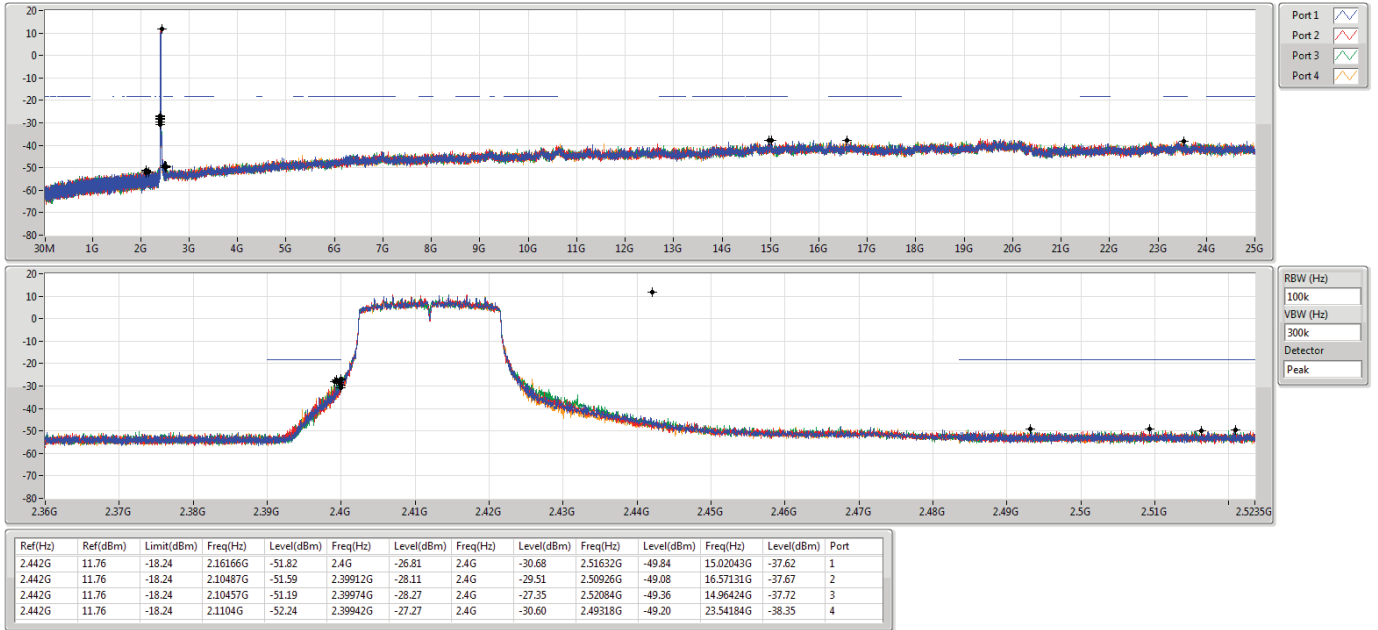
14/05/2020



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSENdB

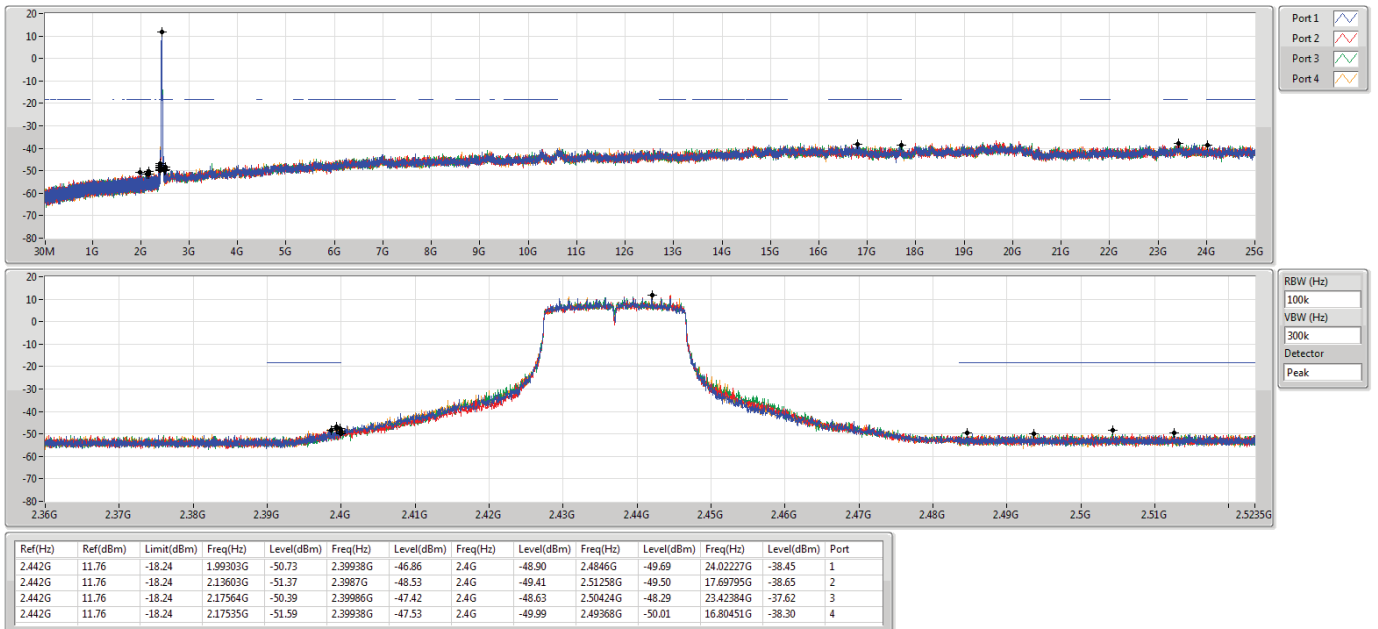
2412MHz



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSENdB

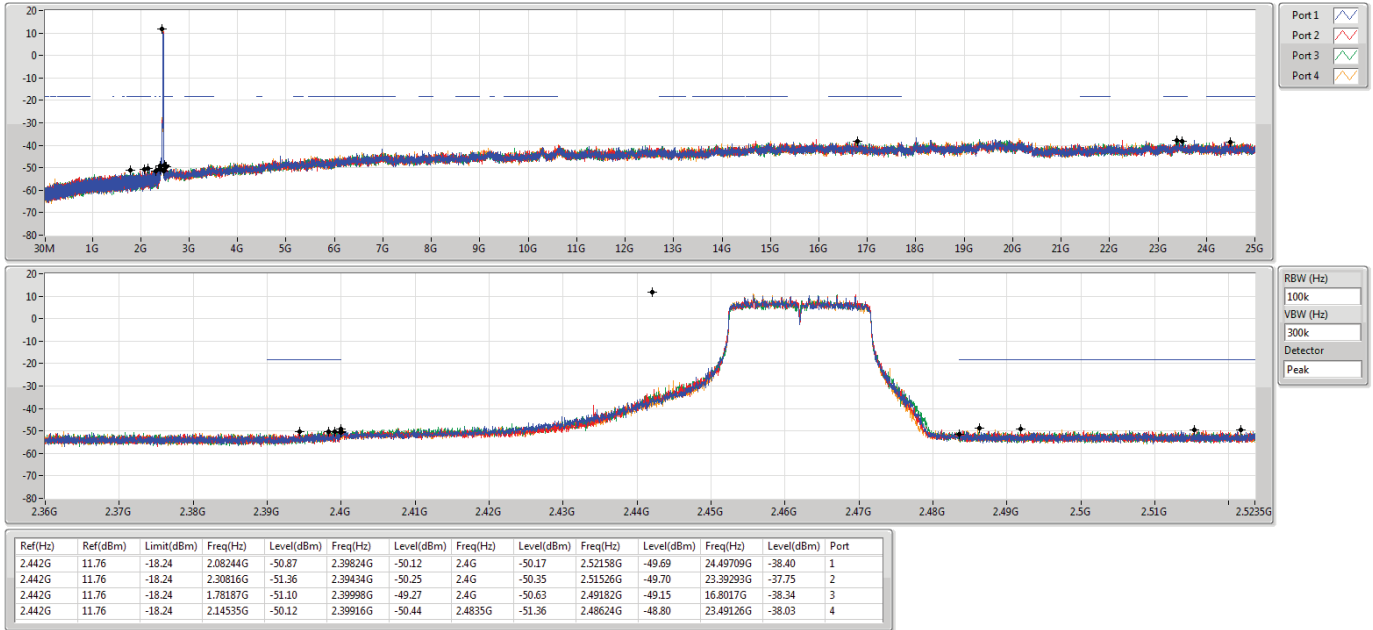
2437MHz



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSENdB

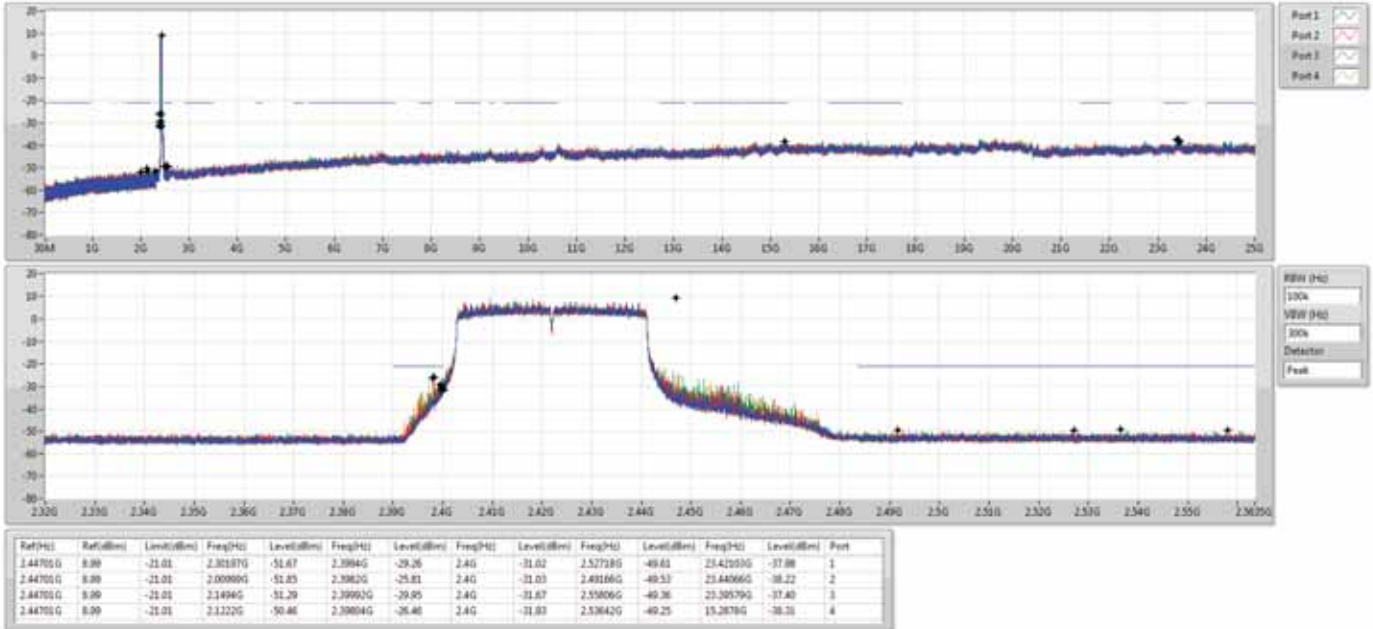
2462MHz



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdB

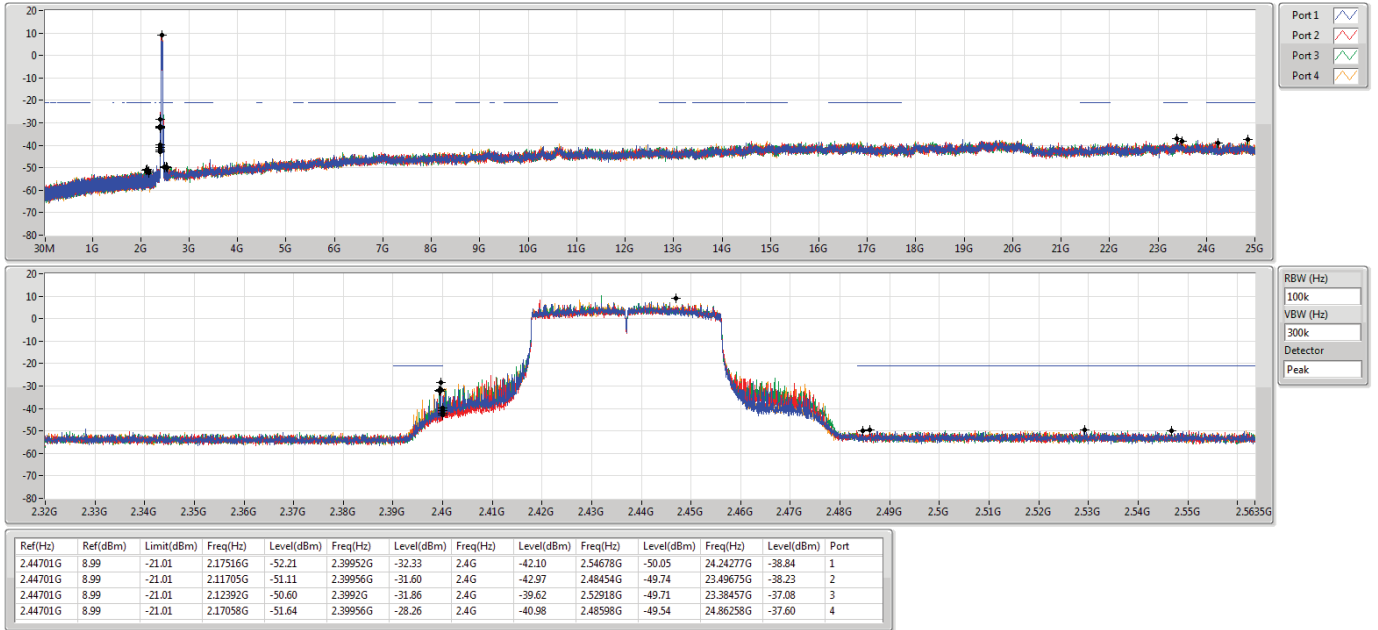
2422MHz



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdb

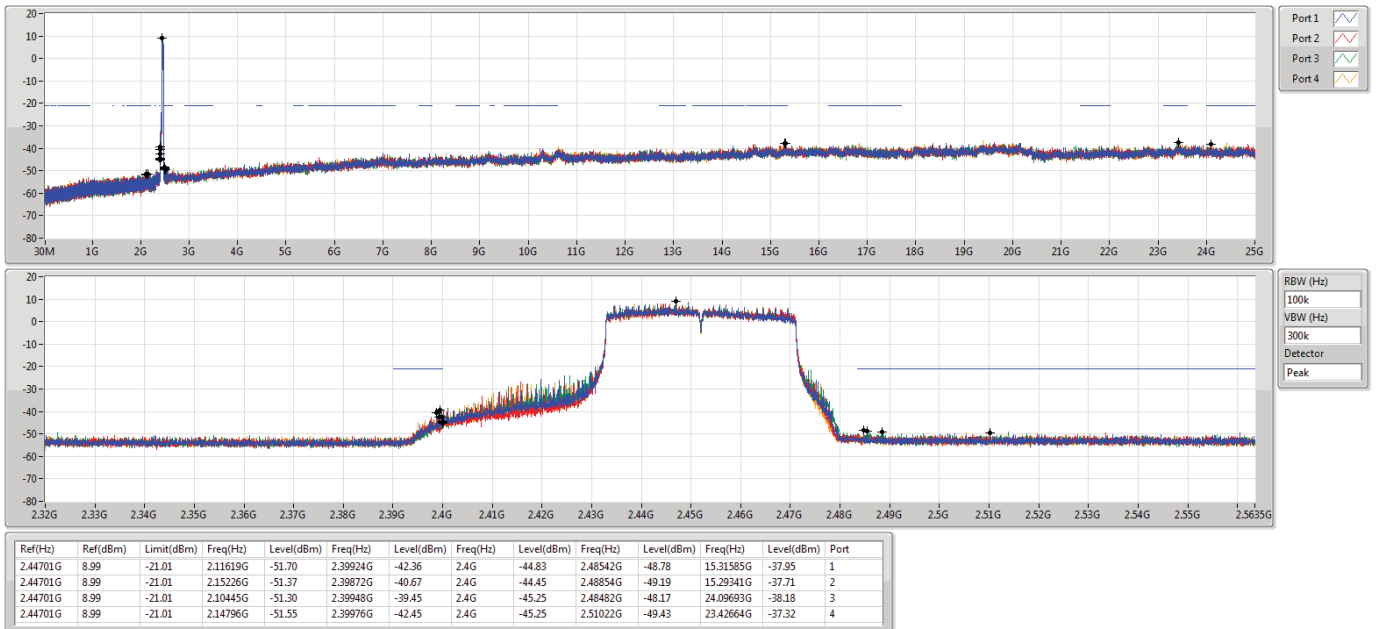
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdb

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	266.68M	42.72	46.00	-3.28	3	Horizontal	168	1.00	-

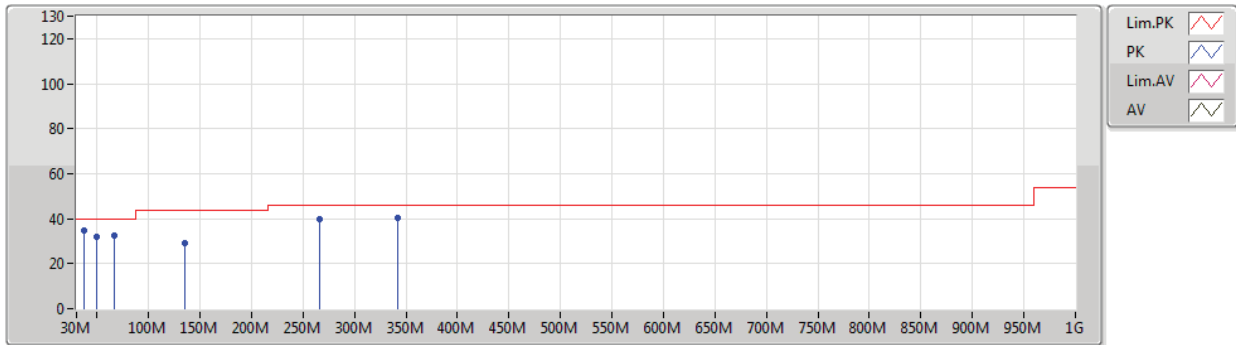
**Result**

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	37.76M	34.71	40.00	-5.29	3	Vertical	360	1.00	-
2437MHz	Pass	PK	49.4M	31.73	40.00	-8.27	3	Vertical	360	1.00	-
2437MHz	Pass	PK	66.86M	32.56	40.00	-7.44	3	Vertical	360	1.00	-
2437MHz	Pass	PK	134.76M	28.91	43.50	-14.59	3	Vertical	360	1.00	-
2437MHz	Pass	PK	266.68M	39.78	46.00	-6.22	3	Vertical	360	1.00	-
2437MHz	Pass	PK	342.34M	40.27	46.00	-5.73	3	Vertical	360	1.00	-
2437MHz	Pass	PK	30M	28.65	40.00	-11.35	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	59.1M	29.82	40.00	-10.18	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	95.96M	25.81	43.50	-17.69	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	307.42M	38.29	46.00	-7.71	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	342.34M	39.04	46.00	-6.96	3	Horizontal	0	1.00	-
2437MHz	Pass	QP	266.68M	42.72	46.00	-3.28	3	Horizontal	168	1.00	-

802.11ax HEW40_Nss1,(MCS0)_4TX

20/05/2020

2437MHz_Adapter

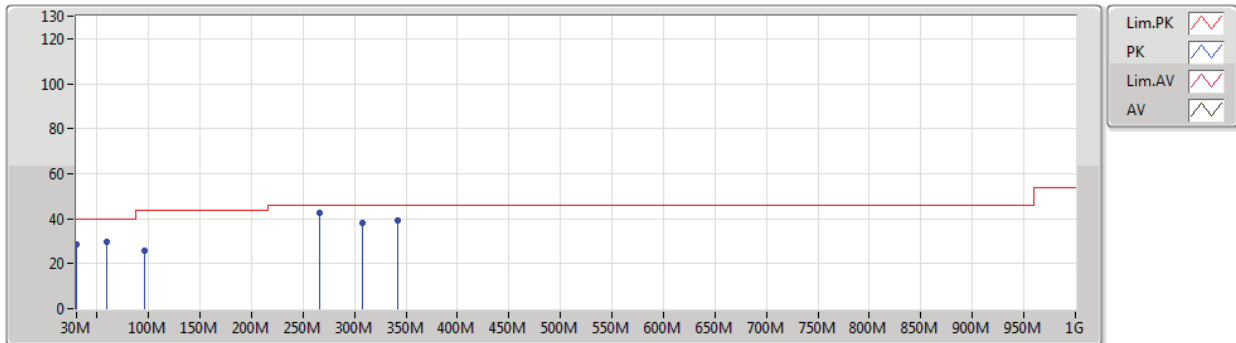


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	37.76M	34.71	40.00	-5.29	-17.01	3	Vertical	360	1.00	-	51.72	19.80	0.46	37.27
PK	49.4M	31.73	40.00	-8.27	-22.87	3	Vertical	360	1.00	-	54.60	13.72	0.50	37.09
PK	66.86M	32.56	40.00	-7.44	-25.32	3	Vertical	360	1.00	-	57.88	11.11	0.60	37.03
PK	134.76M	28.91	43.50	-14.59	-19.01	3	Vertical	360	1.00	-	47.92	16.63	0.87	36.51
PK	266.68M	39.78	46.00	-6.22	-16.51	3	Vertical	360	1.00	-	56.29	18.60	1.33	36.44
PK	342.34M	40.27	46.00	-5.73	-15.87	3	Vertical	360	1.00	-	56.14	19.18	1.48	36.53

802.11ax HEW40_Nss1,(MCS0)_4TX

20/05/2020

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	28.65	40.00	-11.35	-12.94	3	Horizontal	0	1.00	-	41.59	23.77	0.40	37.11
PK	59.1M	29.82	40.00	-10.18	-25.79	3	Horizontal	0	1.00	-	55.61	10.69	0.60	37.08
PK	95.96M	25.81	43.50	-17.69	-21.57	3	Horizontal	0	1.00	-	47.38	14.51	0.72	36.80
PK	307.42M	38.29	46.00	-7.71	-16.73	3	Horizontal	0	1.00	-	55.02	18.31	1.41	36.45
PK	342.34M	39.04	46.00	-6.96	-15.87	3	Horizontal	0	1.00	-	54.91	19.18	1.48	36.53
QP	266.68M	42.72	46.00	-3.28	-16.51	3	Horizontal	168	1.00	-	59.23	18.60	1.33	36.44

**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	4.924G	53.90	54.00	-0.10	3	Horizontal	281	1.57	-
802.11g_Nss1,(6Mbps)_4TX	Pass	AV	2.39G	53.72	54.00	-0.28	3	Vertical	26	1.50	-
VHT20_Nss1,(MCS0)_4TX	Pass	AV	2.39G	53.90	54.00	-0.10	3	Horizontal	184	1.50	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	2.39G	53.88	54.00	-0.12	3	Vertical	50	1.00	-
VHT40_Nss1,(MCS0)_4TX	Pass	AV	2.3898G	53.98	54.00	-0.02	3	Horizontal	171	1.50	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	2.3898G	53.85	54.00	-0.15	3	Horizontal	151	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	2.39G	46.81	54.00	-7.19	3	Vertical	103	1.76	-
2412MHz	Pass	AV	2.413G	114.89	Inf	-Inf	3	Vertical	103	1.76	-
2412MHz	Pass	PK	2.3842G	58.51	74.00	-15.49	3	Vertical	103	1.76	-
2412MHz	Pass	PK	2.4126G	117.89	Inf	-Inf	3	Vertical	103	1.76	-
2412MHz	Pass	AV	2.366G	46.31	54.00	-7.69	3	Horizontal	332	1.66	-
2412MHz	Pass	AV	2.413G	114.04	Inf	-Inf	3	Horizontal	332	1.66	-
2412MHz	Pass	PK	2.3698G	57.87	74.00	-16.13	3	Horizontal	332	1.66	-
2412MHz	Pass	PK	2.4128G	116.11	Inf	-Inf	3	Horizontal	332	1.66	-
2412MHz	Pass	AV	4.82402G	53.03	54.00	-0.97	3	Vertical	9	1.91	-
2412MHz	Pass	PK	4.82396G	56.05	74.00	-17.95	3	Vertical	9	1.91	-
2412MHz	Pass	AV	4.82404G	53.45	54.00	-0.55	3	Horizontal	237	1.81	-
2412MHz	Pass	PK	4.82394G	56.15	74.00	-17.85	3	Horizontal	237	1.81	-
2417MHz	Pass	AV	2.3782G	46.74	54.00	-7.26	3	Vertical	96	1.97	-
2417MHz	Pass	AV	2.4162G	115.06	Inf	-Inf	3	Vertical	96	1.97	-
2417MHz	Pass	PK	2.3804G	58.30	74.00	-15.70	3	Vertical	96	1.97	-
2417MHz	Pass	PK	2.4174G	118.26	Inf	-Inf	3	Vertical	96	1.97	-
2417MHz	Pass	AV	2.3714G	46.43	54.00	-7.57	3	Horizontal	328	1.06	-
2417MHz	Pass	AV	2.4158G	114.50	Inf	-Inf	3	Horizontal	328	1.06	-
2417MHz	Pass	PK	2.367G	58.41	74.00	-15.59	3	Horizontal	328	1.06	-
2417MHz	Pass	PK	2.4174G	116.91	Inf	-Inf	3	Horizontal	328	1.06	-
2417MHz	Pass	AV	4.83401G	53.39	54.00	-0.61	3	Vertical	8	1.70	-
2417MHz	Pass	PK	4.8339G	56.23	74.00	-17.77	3	Vertical	8	1.70	-
2417MHz	Pass	AV	4.83402G	51.78	54.00	-2.22	3	Horizontal	234	2.03	-
2417MHz	Pass	PK	4.83406G	55.15	74.00	-18.85	3	Horizontal	234	2.03	-
2437MHz	Pass	AV	2.3594G	46.61	54.00	-7.39	3	Vertical	95	2.25	-
2437MHz	Pass	AV	2.4362G	115.08	Inf	-Inf	3	Vertical	95	2.25	-
2437MHz	Pass	AV	2.4878G	46.61	54.00	-7.39	3	Vertical	95	2.25	-
2437MHz	Pass	PK	2.337G	58.48	74.00	-15.52	3	Vertical	95	2.25	-
2437MHz	Pass	PK	2.4374G	118.41	Inf	-Inf	3	Vertical	95	2.25	-
2437MHz	Pass	PK	2.4886G	58.30	74.00	-15.70	3	Vertical	95	2.25	-
2437MHz	Pass	AV	2.3702G	46.36	54.00	-7.64	3	Horizontal	322	1.67	-
2437MHz	Pass	AV	2.4362G	113.97	Inf	-Inf	3	Horizontal	322	1.67	-
2437MHz	Pass	AV	2.4998G	46.71	54.00	-7.29	3	Horizontal	322	1.67	-
2437MHz	Pass	PK	2.3798G	58.41	74.00	-15.59	3	Horizontal	322	1.67	-
2437MHz	Pass	PK	2.4378G	116.36	Inf	-Inf	3	Horizontal	322	1.67	-
2437MHz	Pass	PK	2.4966G	58.23	74.00	-15.77	3	Horizontal	322	1.67	-
2437MHz	Pass	AV	4.87402G	53.36	54.00	-0.64	3	Vertical	12	1.50	-
2437MHz	Pass	PK	4.87391G	56.45	74.00	-17.55	3	Vertical	12	1.50	-
2437MHz	Pass	AV	4.87406G	51.81	54.00	-2.19	3	Horizontal	264	1.60	-
2437MHz	Pass	PK	4.87397G	56.41	74.00	-17.59	3	Horizontal	264	1.60	-
2457MHz	Pass	AV	2.4562G	114.30	Inf	-Inf	3	Vertical	107	1.90	-
2457MHz	Pass	AV	2.4842G	46.74	54.00	-7.26	3	Vertical	107	1.90	-
2457MHz	Pass	PK	2.4564G	116.62	Inf	-Inf	3	Vertical	107	1.90	-
2457MHz	Pass	PK	2.4968G	58.76	74.00	-15.24	3	Vertical	107	1.90	-
2457MHz	Pass	AV	2.4562G	111.05	Inf	-Inf	3	Horizontal	322	1.50	-
2457MHz	Pass	AV	2.4966G	46.62	54.00	-7.38	3	Horizontal	322	1.50	-
2457MHz	Pass	PK	2.4562G	112.96	Inf	-Inf	3	Horizontal	322	1.50	-

Remark :

Page No. : F2 of F107

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

9N1813-01



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4938G	58.29	74.00	-15.71	3	Horizontal	322	1.50	-
2457MHz	Pass	AV	4.91404G	52.33	54.00	-1.67	3	Vertical	13	1.49	-
2457MHz	Pass	PK	4.91403G	55.38	74.00	-18.62	3	Vertical	13	1.49	-
2457MHz	Pass	AV	4.91401G	53.63	54.00	-0.37	3	Horizontal	287	1.43	-
2457MHz	Pass	PK	4.91395G	56.41	74.00	-17.59	3	Horizontal	287	1.43	-
2462MHz	Pass	AV	2.4612G	114.74	Inf	-Inf	3	Vertical	86	2.39	-
2462MHz	Pass	AV	2.4878G	46.67	54.00	-7.33	3	Vertical	86	2.39	-
2462MHz	Pass	PK	2.4624G	117.53	Inf	-Inf	3	Vertical	86	2.39	-
2462MHz	Pass	PK	2.4844G	57.97	74.00	-16.03	3	Vertical	86	2.39	-
2462MHz	Pass	AV	2.463G	112.43	Inf	-Inf	3	Horizontal	321	1.83	-
2462MHz	Pass	AV	2.4936G	46.66	54.00	-7.34	3	Horizontal	321	1.83	-
2462MHz	Pass	PK	2.4628G	114.12	Inf	-Inf	3	Horizontal	321	1.83	-
2462MHz	Pass	PK	2.495G	58.78	74.00	-15.22	3	Horizontal	321	1.83	-
2462MHz	Pass	AV	4.92404G	53.52	54.00	-0.48	3	Vertical	6	1.50	-
2462MHz	Pass	PK	4.92391G	56.23	74.00	-17.77	3	Vertical	6	1.50	-
2462MHz	Pass	AV	4.924G	53.90	54.00	-0.10	3	Horizontal	281	1.57	-
2462MHz	Pass	PK	4.92396G	56.50	74.00	-17.50	3	Horizontal	281	1.57	-
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.89	54.00	-2.11	3	Vertical	33	2.03	-
2412MHz	Pass	AV	2.4186G	114.03	Inf	-Inf	3	Vertical	33	2.03	-
2412MHz	Pass	PK	2.3898G	61.16	74.00	-12.84	3	Vertical	33	2.03	-
2412MHz	Pass	PK	2.417G	120.84	Inf	-Inf	3	Vertical	33	2.03	-
2412MHz	Pass	AV	2.39G	53.60	54.00	-0.40	3	Horizontal	354	1.02	-
2412MHz	Pass	AV	2.4144G	111.43	Inf	-Inf	3	Horizontal	354	1.02	-
2412MHz	Pass	PK	2.39G	61.83	74.00	-12.17	3	Horizontal	354	1.02	-
2412MHz	Pass	PK	2.4146G	119.15	Inf	-Inf	3	Horizontal	354	1.02	-
2412MHz	Pass	AV	4.82272G	41.53	54.00	-12.47	3	Vertical	128	1.50	-
2412MHz	Pass	PK	4.82092G	52.14	74.00	-21.86	3	Vertical	128	1.50	-
2412MHz	Pass	AV	4.8237G	43.09	54.00	-10.91	3	Horizontal	277	1.87	-
2412MHz	Pass	PK	4.82369G	53.81	74.00	-20.19	3	Horizontal	277	1.87	-
2417MHz	Pass	AV	2.39G	53.72	54.00	-0.28	3	Vertical	26	1.50	-
2417MHz	Pass	AV	2.4242G	113.14	Inf	-Inf	3	Vertical	26	1.50	-
2417MHz	Pass	PK	2.39G	68.59	74.00	-5.41	3	Vertical	26	1.50	-
2417MHz	Pass	PK	2.4244G	122.49	Inf	-Inf	3	Vertical	26	1.50	-
2417MHz	Pass	AV	2.39G	53.00	54.00	-1.00	3	Horizontal	203	1.50	-
2417MHz	Pass	AV	2.423G	108.00	Inf	-Inf	3	Horizontal	203	1.50	-
2417MHz	Pass	PK	2.39G	68.23	74.00	-5.77	3	Horizontal	203	1.50	-
2417MHz	Pass	PK	2.422G	117.22	Inf	-Inf	3	Horizontal	203	1.50	-
2437MHz	Pass	AV	2.3898G	50.45	54.00	-3.55	3	Vertical	74	2.25	-
2437MHz	Pass	AV	2.4438G	116.59	Inf	-Inf	3	Vertical	74	2.25	-
2437MHz	Pass	AV	2.4858G	49.86	54.00	-4.14	3	Vertical	74	2.25	-
2437MHz	Pass	PK	2.3386G	60.92	74.00	-13.08	3	Vertical	74	2.25	-
2437MHz	Pass	PK	2.443G	124.11	Inf	-Inf	3	Vertical	74	2.25	-
2437MHz	Pass	PK	2.4982G	59.80	74.00	-14.20	3	Vertical	74	2.25	-
2437MHz	Pass	AV	2.3898G	49.91	54.00	-4.09	3	Horizontal	141	2.14	-
2437MHz	Pass	AV	2.4394G	111.92	Inf	-Inf	3	Horizontal	141	2.14	-
2437MHz	Pass	AV	2.4926G	50.06	54.00	-3.94	3	Horizontal	141	2.14	-
2437MHz	Pass	PK	2.3618G	60.32	74.00	-13.68	3	Horizontal	141	2.14	-
2437MHz	Pass	PK	2.4398G	119.42	Inf	-Inf	3	Horizontal	141	2.14	-

Remark :

Page No. : F3 of F107

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

9N1813-01



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4974G	59.81	74.00	-14.19	3	Horizontal	141	2.14	-
2437MHz	Pass	AV	4.87778G	42.84	54.00	-11.16	3	Vertical	160	1.21	-
2437MHz	Pass	PK	4.8786G	54.19	74.00	-19.81	3	Vertical	160	1.21	-
2437MHz	Pass	AV	4.87604G	40.64	54.00	-13.36	3	Horizontal	287	1.42	-
2437MHz	Pass	PK	4.87398G	51.54	74.00	-22.46	3	Horizontal	287	1.42	-
2457MHz	Pass	AV	2.4552G	114.15	Inf	-Inf	3	Vertical	29	2.98	-
2457MHz	Pass	AV	2.4835G	49.21	54.00	-4.79	3	Vertical	29	2.98	-
2457MHz	Pass	PK	2.4554G	123.74	Inf	-Inf	3	Vertical	29	2.98	-
2457MHz	Pass	PK	2.4835G	63.22	74.00	-10.78	3	Vertical	29	2.98	-
2457MHz	Pass	AV	2.4536G	107.77	Inf	-Inf	3	Horizontal	172	1.50	-
2457MHz	Pass	AV	2.484G	48.07	54.00	-5.93	3	Horizontal	172	1.50	-
2457MHz	Pass	PK	2.4536G	117.37	Inf	-Inf	3	Horizontal	172	1.50	-
2457MHz	Pass	PK	2.4862G	59.65	74.00	-14.35	3	Horizontal	172	1.50	-
2462MHz	Pass	AV	2.4608G	113.88	Inf	-Inf	3	Vertical	34	2.80	-
2462MHz	Pass	AV	2.4835G	53.64	54.00	-0.36	3	Vertical	34	2.73	-
2462MHz	Pass	PK	2.461G	121.11	Inf	-Inf	3	Vertical	34	2.78	-
2462MHz	Pass	PK	2.4835G	66.01	74.00	-7.99	3	Vertical	34	2.57	-
2462MHz	Pass	AV	2.4574G	111.91	Inf	-Inf	3	Horizontal	347	2.09	-
2462MHz	Pass	AV	2.4835G	53.72	54.00	-0.28	3	Horizontal	347	2.09	-
2462MHz	Pass	PK	2.4566G	119.13	Inf	-Inf	3	Horizontal	347	2.09	-
2462MHz	Pass	PK	2.4835G	63.79	74.00	-10.21	3	Horizontal	347	2.09	-
2462MHz	Pass	AV	4.9269G	46.57	54.00	-7.43	3	Vertical	151	1.50	-
2462MHz	Pass	PK	4.9287G	57.17	74.00	-16.83	3	Vertical	151	1.50	-
2462MHz	Pass	AV	4.9243G	44.93	54.00	-9.07	3	Horizontal	326	1.50	-
2462MHz	Pass	PK	4.9244G	54.64	74.00	-19.36	3	Horizontal	326	1.50	-
VHT20_Nss1_(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.57	54.00	-0.43	3	Vertical	38	1.50	-
2412MHz	Pass	AV	2.4126G	111.00	Inf	-Inf	3	Vertical	38	1.50	-
2412MHz	Pass	PK	2.39G	66.74	74.00	-7.26	3	Vertical	38	1.50	-
2412MHz	Pass	PK	2.4126G	120.38	Inf	-Inf	3	Vertical	38	1.50	-
2412MHz	Pass	AV	2.39G	53.34	54.00	-0.66	3	Horizontal	174	1.50	-
2412MHz	Pass	AV	2.4138G	106.44	Inf	-Inf	3	Horizontal	174	1.50	-
2412MHz	Pass	PK	2.3898G	66.67	74.00	-7.33	3	Horizontal	174	1.50	-
2412MHz	Pass	PK	2.4062G	117.04	Inf	-Inf	3	Horizontal	174	1.50	-
2412MHz	Pass	AV	4.82285G	38.62	54.00	-15.38	3	Vertical	131	2.82	-
2412MHz	Pass	PK	4.82199G	51.03	74.00	-22.97	3	Vertical	131	2.71	-
2412MHz	Pass	AV	4.81856G	38.71	54.00	-15.29	3	Horizontal	267	1.50	-
2412MHz	Pass	PK	4.8268G	51.56	74.00	-22.44	3	Horizontal	267	1.50	-
2417MHz	Pass	AV	2.39G	52.63	54.00	-1.37	3	Vertical	36	1.50	-
2417MHz	Pass	AV	2.4182G	113.03	Inf	-Inf	3	Vertical	36	1.50	-
2417MHz	Pass	PK	2.39G	64.86	74.00	-9.14	3	Vertical	36	1.50	-
2417MHz	Pass	PK	2.4188G	122.66	Inf	-Inf	3	Vertical	36	1.50	-
2417MHz	Pass	AV	2.39G	53.90	54.00	-0.10	3	Horizontal	184	1.50	-
2417MHz	Pass	AV	2.411G	107.77	Inf	-Inf	3	Horizontal	184	1.50	-
2417MHz	Pass	PK	2.39G	68.93	74.00	-5.07	3	Horizontal	184	1.50	-
2417MHz	Pass	PK	2.4108G	117.82	Inf	-Inf	3	Horizontal	184	1.50	-
2437MHz	Pass	AV	2.3458G	47.04	54.00	-6.96	3	Vertical	34	1.65	-
2437MHz	Pass	AV	2.4382G	112.92	Inf	-Inf	3	Vertical	34	1.65	-
2437MHz	Pass	AV	2.4846G	47.02	54.00	-6.98	3	Vertical	34	1.65	-

Remark :

Page No. : F4 of F107

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

9N1813-01



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3878G	60.83	74.00	-13.17	3	Vertical	34	1.65	-
2437MHz	Pass	PK	2.4378G	123.22	Inf	-Inf	3	Vertical	34	1.65	-
2437MHz	Pass	PK	2.4878G	60.02	74.00	-13.98	3	Vertical	34	1.65	-
2437MHz	Pass	AV	2.3898G	48.13	54.00	-5.87	3	Horizontal	171	1.50	-
2437MHz	Pass	AV	2.4394G	108.40	Inf	-Inf	3	Horizontal	171	1.50	-
2437MHz	Pass	AV	2.4858G	47.07	54.00	-6.93	3	Horizontal	171	1.50	-
2437MHz	Pass	PK	2.3454G	60.39	74.00	-13.61	3	Horizontal	171	1.50	-
2437MHz	Pass	PK	2.4394G	118.32	Inf	-Inf	3	Horizontal	171	1.50	-
2437MHz	Pass	PK	2.4882G	59.71	74.00	-14.29	3	Horizontal	171	1.50	-
2437MHz	Pass	AV	4.868G	39.47	54.00	-14.53	3	Vertical	145	1.50	-
2437MHz	Pass	PK	4.8848G	52.95	74.00	-21.05	3	Vertical	145	1.50	-
2437MHz	Pass	AV	4.88126G	38.73	54.00	-15.27	3	Horizontal	345	2.47	-
2437MHz	Pass	PK	4.88204G	52.03	74.00	-21.97	3	Horizontal	345	2.47	-
2457MHz	Pass	AV	2.4582G	112.52	Inf	-Inf	3	Vertical	35	1.51	-
2457MHz	Pass	AV	2.4835G	49.71	54.00	-4.29	3	Vertical	35	1.51	-
2457MHz	Pass	PK	2.4576G	122.43	Inf	-Inf	3	Vertical	35	1.51	-
2457MHz	Pass	PK	2.4838G	62.65	74.00	-11.35	3	Vertical	35	1.51	-
2457MHz	Pass	AV	2.4506G	107.86	Inf	-Inf	3	Horizontal	188	1.50	-
2457MHz	Pass	AV	2.4836G	47.82	54.00	-6.18	3	Horizontal	188	1.50	-
2457MHz	Pass	PK	2.4512G	118.73	Inf	-Inf	3	Horizontal	188	1.50	-
2457MHz	Pass	PK	2.484G	60.49	74.00	-13.51	3	Horizontal	188	1.50	-
2462MHz	Pass	AV	2.4604G	112.54	Inf	-Inf	3	Vertical	32	2.98	-
2462MHz	Pass	AV	2.4835G	53.80	54.00	-0.20	3	Vertical	32	2.98	-
2462MHz	Pass	PK	2.4612G	122.32	Inf	-Inf	3	Vertical	32	2.98	-
2462MHz	Pass	PK	2.4835G	65.37	74.00	-8.63	3	Vertical	32	2.98	-
2462MHz	Pass	AV	2.4558G	107.75	Inf	-Inf	3	Horizontal	201	1.50	-
2462MHz	Pass	AV	2.485G	48.88	54.00	-5.12	3	Horizontal	201	1.50	-
2462MHz	Pass	PK	2.4564G	118.08	Inf	-Inf	3	Horizontal	201	1.50	-
2462MHz	Pass	PK	2.4846G	62.97	74.00	-11.03	3	Horizontal	201	1.50	-
2462MHz	Pass	AV	4.93678G	44.94	54.00	-9.06	3	Vertical	132	1.50	-
2462MHz	Pass	PK	4.93666G	60.16	74.00	-13.84	3	Vertical	132	1.50	-
2462MHz	Pass	AV	4.93168G	42.99	54.00	-11.01	3	Horizontal	297	1.50	-
2462MHz	Pass	PK	4.93252G	56.53	74.00	-17.47	3	Horizontal	297	1.50	-
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.68	54.00	-0.32	3	Vertical	45	2.11	-
2412MHz	Pass	AV	2.4112G	111.80	Inf	-Inf	3	Vertical	45	2.11	-
2412MHz	Pass	PK	2.39G	66.86	74.00	-7.14	3	Vertical	45	2.11	-
2412MHz	Pass	PK	2.4112G	123.58	Inf	-Inf	3	Vertical	45	2.11	-
2412MHz	Pass	AV	2.39G	50.74	54.00	-3.26	3	Horizontal	169	1.32	-
2412MHz	Pass	AV	2.4056G	107.31	Inf	-Inf	3	Horizontal	169	1.32	-
2412MHz	Pass	PK	2.39G	63.81	74.00	-10.19	3	Horizontal	169	1.32	-
2412MHz	Pass	PK	2.4058G	119.79	Inf	-Inf	3	Horizontal	169	1.32	-
2412MHz	Pass	AV	4.82364G	38.57	54.00	-15.43	3	Vertical	127	2.91	-
2412MHz	Pass	PK	4.82342G	51.31	74.00	-22.69	3	Vertical	127	2.91	-
2412MHz	Pass	AV	4.81828G	40.65	54.00	-13.35	3	Horizontal	265	1.48	-
2412MHz	Pass	PK	4.81812G	56.47	74.00	-17.53	3	Horizontal	265	1.48	-
2417MHz	Pass	AV	2.39G	53.88	54.00	-0.12	3	Vertical	50	1.00	-
2417MHz	Pass	AV	2.4186G	112.82	Inf	-Inf	3	Vertical	50	1.00	-
2417MHz	Pass	PK	2.39G	69.06	74.00	-4.94	3	Vertical	50	1.00	-

Remark :

Page No. : F5 of F107

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

9N1813-01



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2417MHz	Pass	PK	2.418G	124.34	Inf	-Inf	3	Vertical	50	1.00	-
2417MHz	Pass	AV	2.39G	53.62	54.00	-0.38	3	Horizontal	183	1.50	-
2417MHz	Pass	AV	2.4106G	107.89	Inf	-Inf	3	Horizontal	183	1.50	-
2417MHz	Pass	PK	2.39G	68.03	74.00	-5.97	3	Horizontal	183	1.50	-
2417MHz	Pass	PK	2.4106G	120.15	Inf	-Inf	3	Horizontal	183	1.50	-
2437MHz	Pass	AV	2.3898G	47.08	54.00	-6.92	3	Vertical	46	1.36	-
2437MHz	Pass	AV	2.4382G	113.37	Inf	-Inf	3	Vertical	46	1.36	-
2437MHz	Pass	AV	2.4854G	47.15	54.00	-6.85	3	Vertical	46	1.36	-
2437MHz	Pass	PK	2.3886G	60.06	74.00	-13.94	3	Vertical	46	1.36	-
2437MHz	Pass	PK	2.4378G	126.00	Inf	-Inf	3	Vertical	46	1.36	-
2437MHz	Pass	PK	2.491G	59.88	74.00	-14.12	3	Vertical	46	1.36	-
2437MHz	Pass	AV	2.3898G	49.11	54.00	-4.89	3	Horizontal	170	1.50	-
2437MHz	Pass	AV	2.4402G	110.00	Inf	-Inf	3	Horizontal	170	1.50	-
2437MHz	Pass	AV	2.485G	46.99	54.00	-7.01	3	Horizontal	170	1.50	-
2437MHz	Pass	PK	2.3898G	61.76	74.00	-12.24	3	Horizontal	170	1.50	-
2437MHz	Pass	PK	2.439G	121.71	Inf	-Inf	3	Horizontal	170	1.50	-
2437MHz	Pass	PK	2.4866G	59.73	74.00	-14.27	3	Horizontal	170	1.50	-
2437MHz	Pass	PK	4.88576G	55.23	74.00	-18.77	3	Vertical	148	1.50	-
2437MHz	Pass	AV	4.88348G	39.91	54.00	-14.09	3	Vertical	148	1.50	-
2437MHz	Pass	AV	4.87712G	39.18	54.00	-14.82	3	Horizontal	326	1.50	-
2437MHz	Pass	PK	4.8758G	52.18	74.00	-21.82	3	Horizontal	326	1.50	-
2457MHz	Pass	AV	2.458G	112.28	Inf	-Inf	3	Vertical	38	1.50	-
2457MHz	Pass	AV	2.4835G	52.28	54.00	-1.72	3	Vertical	38	1.50	-
2457MHz	Pass	PK	2.4578G	123.34	Inf	-Inf	3	Vertical	38	1.50	-
2457MHz	Pass	PK	2.4835G	67.22	74.00	-6.78	3	Vertical	38	1.50	-
2457MHz	Pass	AV	2.4508G	109.40	Inf	-Inf	3	Horizontal	185	1.66	-
2457MHz	Pass	AV	2.4835G	49.50	54.00	-4.50	3	Horizontal	185	1.66	-
2457MHz	Pass	PK	2.45G	121.69	Inf	-Inf	3	Horizontal	185	1.66	-
2457MHz	Pass	PK	2.4835G	63.41	74.00	-10.59	3	Horizontal	185	1.66	-
2462MHz	Pass	AV	2.4546G	114.73	Inf	-Inf	3	Vertical	76	2.05	-
2462MHz	Pass	AV	2.4835G	53.19	54.00	-0.81	3	Vertical	76	2.05	-
2462MHz	Pass	PK	2.4552G	125.67	Inf	-Inf	3	Vertical	76	2.05	-
2462MHz	Pass	PK	2.4835G	66.43	74.00	-7.57	3	Vertical	76	2.05	-
2462MHz	Pass	AV	2.4544G	110.08	Inf	-Inf	3	Horizontal	99	2.22	-
2462MHz	Pass	AV	2.4838G	52.51	54.00	-1.49	3	Horizontal	99	2.22	-
2462MHz	Pass	PK	2.4552G	121.99	Inf	-Inf	3	Horizontal	99	2.22	-
2462MHz	Pass	PK	2.4835G	66.95	74.00	-7.05	3	Horizontal	99	2.22	-
2462MHz	Pass	AV	4.93708G	44.91	54.00	-9.09	3	Vertical	122	1.86	-
2462MHz	Pass	PK	4.93882G	60.64	74.00	-13.36	3	Vertical	122	1.86	-
2462MHz	Pass	AV	4.9206G	42.46	54.00	-11.54	3	Horizontal	274	1.50	-
2462MHz	Pass	PK	4.9403G	57.37	74.00	-16.63	3	Horizontal	274	1.50	-
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.91	54.00	-0.09	3	Vertical	61	3.00	-
2422MHz	Pass	AV	2.4332G	109.07	Inf	-Inf	3	Vertical	61	3.00	-
2422MHz	Pass	AV	2.496G	47.12	54.00	-6.88	3	Vertical	61	3.00	-
2422MHz	Pass	PK	2.3896G	66.12	74.00	-7.88	3	Vertical	61	3.00	-
2422MHz	Pass	PK	2.4324G	118.56	Inf	-Inf	3	Vertical	61	3.00	-
2422MHz	Pass	PK	2.4856G	60.51	74.00	-13.49	3	Vertical	61	3.00	-
2422MHz	Pass	AV	2.39G	48.18	54.00	-5.82	3	Horizontal	183	1.50	-

Remark :

Page No. : F6 of F107

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

9N1813-01



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	2.4156G	101.54	Inf	-Inf	3	Horizontal	183	1.50	-
2422MHz	Pass	AV	2.4944G	47.09	54.00	-6.91	3	Horizontal	183	1.50	-
2422MHz	Pass	PK	2.3524G	59.67	74.00	-14.33	3	Horizontal	183	1.50	-
2422MHz	Pass	PK	2.4152G	111.83	Inf	-Inf	3	Horizontal	183	1.50	-
2422MHz	Pass	PK	2.4848G	59.47	74.00	-14.53	3	Horizontal	183	1.50	-
2422MHz	Pass	AV	4.839G	35.84	54.00	-18.16	3	Vertical	209	1.29	-
2422MHz	Pass	PK	4.8488G	48.61	74.00	-25.39	3	Vertical	209	1.29	-
2422MHz	Pass	AV	4.83966G	35.71	54.00	-18.29	3	Horizontal	260	1.50	-
2422MHz	Pass	PK	4.8406G	48.27	74.00	-25.73	3	Horizontal	260	1.50	-
2427MHz	Pass	AV	2.3898G	53.39	54.00	-0.61	3	Vertical	98	1.00	-
2427MHz	Pass	AV	2.4282G	109.54	Inf	-Inf	3	Vertical	98	1.00	-
2427MHz	Pass	AV	2.4914G	47.18	54.00	-6.82	3	Vertical	98	1.00	-
2427MHz	Pass	PK	2.3898G	65.02	74.00	-8.98	3	Vertical	98	1.00	-
2427MHz	Pass	PK	2.429G	119.00	Inf	-Inf	3	Vertical	98	1.00	-
2427MHz	Pass	PK	2.495G	59.67	74.00	-14.33	3	Vertical	98	1.00	-
2427MHz	Pass	AV	2.3898G	49.40	54.00	-4.60	3	Horizontal	169	1.50	-
2427MHz	Pass	AV	2.441G	102.01	Inf	-Inf	3	Horizontal	169	1.50	-
2427MHz	Pass	AV	2.4942G	46.95	54.00	-7.05	3	Horizontal	169	1.50	-
2427MHz	Pass	PK	2.3602G	60.99	74.00	-13.01	3	Horizontal	169	1.50	-
2427MHz	Pass	PK	2.4398G	112.41	Inf	-Inf	3	Horizontal	169	1.50	-
2427MHz	Pass	PK	2.4946G	60.20	74.00	-13.80	3	Horizontal	169	1.50	-
2437MHz	Pass	AV	2.3898G	50.58	54.00	-3.42	3	Vertical	28	1.50	-
2437MHz	Pass	AV	2.4382G	108.54	Inf	-Inf	3	Vertical	28	1.50	-
2437MHz	Pass	AV	2.4835G	49.63	54.00	-4.37	3	Vertical	28	1.50	-
2437MHz	Pass	PK	2.3898G	62.05	74.00	-11.95	3	Vertical	28	1.50	-
2437MHz	Pass	PK	2.4382G	117.56	Inf	-Inf	3	Vertical	28	1.50	-
2437MHz	Pass	PK	2.4838G	61.53	74.00	-12.47	3	Vertical	28	1.50	-
2437MHz	Pass	AV	2.3898G	53.98	54.00	-0.02	3	Horizontal	171	1.50	-
2437MHz	Pass	AV	2.4394G	105.29	Inf	-Inf	3	Horizontal	171	1.50	-
2437MHz	Pass	AV	2.4835G	48.89	54.00	-5.11	3	Horizontal	171	1.50	-
2437MHz	Pass	PK	2.3898G	66.16	74.00	-7.84	3	Horizontal	171	1.50	-
2437MHz	Pass	PK	2.439G	114.97	Inf	-Inf	3	Horizontal	171	1.50	-
2437MHz	Pass	PK	2.4835G	62.21	74.00	-11.79	3	Horizontal	171	1.50	-
2437MHz	Pass	AV	4.88516G	37.94	54.00	-16.06	3	Vertical	145	1.50	-
2437MHz	Pass	PK	4.88612G	50.67	74.00	-23.33	3	Vertical	145	1.50	-
2437MHz	Pass	AV	4.88072G	36.17	54.00	-17.83	3	Horizontal	282	1.50	-
2437MHz	Pass	PK	4.88144G	48.75	74.00	-25.25	3	Horizontal	282	1.50	-
2452MHz	Pass	AV	2.39G	48.17	54.00	-5.83	3	Vertical	30	1.50	-
2452MHz	Pass	AV	2.4532G	107.73	Inf	-Inf	3	Vertical	30	1.50	-
2452MHz	Pass	AV	2.4852G	51.78	54.00	-2.22	3	Vertical	30	1.50	-
2452MHz	Pass	PK	2.3616G	60.22	74.00	-13.78	3	Vertical	30	1.50	-
2452MHz	Pass	PK	2.4532G	116.76	Inf	-Inf	3	Vertical	30	1.50	-
2452MHz	Pass	PK	2.4852G	66.25	74.00	-7.75	3	Vertical	30	1.50	-
2452MHz	Pass	AV	2.39G	47.11	54.00	-6.89	3	Horizontal	204	1.50	-
2452MHz	Pass	AV	2.4456G	104.71	Inf	-Inf	3	Horizontal	204	1.50	-
2452MHz	Pass	AV	2.4844G	53.47	54.00	-0.53	3	Horizontal	204	1.50	-
2452MHz	Pass	PK	2.3824G	59.55	74.00	-14.45	3	Horizontal	204	1.50	-
2452MHz	Pass	PK	2.4448G	115.18	Inf	-Inf	3	Horizontal	204	1.50	-
2452MHz	Pass	PK	2.4844G	66.42	74.00	-7.58	3	Horizontal	204	1.50	-

Remark :

Page No. : F7 of F107

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

9N1813-01



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	AV	4.917G	39.69	54.00	-14.31	3	Vertical	134	1.55	-
2452MHz	Pass	PK	4.9171G	51.90	74.00	-22.10	3	Vertical	134	1.55	-
2452MHz	Pass	AV	4.9192G	37.75	54.00	-16.25	3	Horizontal	272	1.50	-
2452MHz	Pass	PK	4.9211G	50.91	74.00	-23.09	3	Horizontal	272	1.50	-
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.77	54.00	-0.23	3	Vertical	26	1.50	-
2422MHz	Pass	AV	2.4232G	108.25	Inf	-Inf	3	Vertical	26	1.50	-
2422MHz	Pass	AV	2.4835G	47.16	54.00	-6.84	3	Vertical	26	1.50	-
2422MHz	Pass	PK	2.39G	66.23	74.00	-7.77	3	Vertical	26	1.50	-
2422MHz	Pass	PK	2.424G	119.72	Inf	-Inf	3	Vertical	26	1.50	-
2422MHz	Pass	PK	2.4888G	59.98	74.00	-14.02	3	Vertical	26	1.50	-
2422MHz	Pass	AV	2.39G	53.66	54.00	-0.34	3	Horizontal	150	1.50	-
2422MHz	Pass	AV	2.4252G	105.79	Inf	-Inf	3	Horizontal	150	1.50	-
2422MHz	Pass	AV	2.4852G	47.22	54.00	-6.78	3	Horizontal	150	1.50	-
2422MHz	Pass	PK	2.39G	64.81	74.00	-9.19	3	Horizontal	150	1.50	-
2422MHz	Pass	PK	2.424G	117.85	Inf	-Inf	3	Horizontal	150	1.50	-
2422MHz	Pass	PK	2.496G	60.11	74.00	-13.89	3	Horizontal	150	1.50	-
2422MHz	Pass	AV	4.8362G	37.41	54.00	-16.59	3	Vertical	99	1.50	-
2422MHz	Pass	PK	4.8354G	49.24	74.00	-24.76	3	Vertical	99	1.50	-
2422MHz	Pass	AV	4.8387G	38.38	54.00	-15.62	3	Horizontal	262	1.49	-
2422MHz	Pass	PK	4.8372G	50.49	74.00	-23.51	3	Horizontal	262	1.49	-
2427MHz	Pass	AV	2.3898G	53.80	54.00	-0.20	3	Vertical	92	1.50	-
2427MHz	Pass	AV	2.4282G	107.85	Inf	-Inf	3	Vertical	92	1.50	-
2427MHz	Pass	AV	2.4974G	47.03	54.00	-6.97	3	Vertical	92	1.50	-
2427MHz	Pass	PK	2.3898G	68.30	74.00	-5.70	3	Vertical	92	1.50	-
2427MHz	Pass	PK	2.429G	121.15	Inf	-Inf	3	Vertical	92	1.50	-
2427MHz	Pass	PK	2.4942G	59.93	74.00	-14.07	3	Vertical	92	1.50	-
2427MHz	Pass	AV	2.3898G	53.44	54.00	-0.56	3	Horizontal	168	1.50	-
2427MHz	Pass	AV	2.4406G	103.14	Inf	-Inf	3	Horizontal	168	1.50	-
2427MHz	Pass	AV	2.487G	46.97	54.00	-7.03	3	Horizontal	168	1.50	-
2427MHz	Pass	PK	2.3898G	65.48	74.00	-8.52	3	Horizontal	168	1.50	-
2427MHz	Pass	PK	2.4198G	115.25	Inf	-Inf	3	Horizontal	168	1.50	-
2427MHz	Pass	PK	2.487G	59.61	74.00	-14.39	3	Horizontal	168	1.50	-
2437MHz	Pass	AV	2.39G	53.77	54.00	-0.23	3	Vertical	43	2.08	-
2437MHz	Pass	AV	2.4362G	110.89	Inf	-Inf	3	Vertical	43	2.08	-
2437MHz	Pass	AV	2.4835G	48.56	54.00	-5.44	3	Vertical	43	2.08	-
2437MHz	Pass	PK	2.3898G	64.21	74.00	-9.79	3	Vertical	43	2.08	-
2437MHz	Pass	PK	2.4358G	123.04	Inf	-Inf	3	Vertical	43	2.08	-
2437MHz	Pass	PK	2.495G	60.18	74.00	-13.82	3	Vertical	43	2.08	-
2437MHz	Pass	AV	2.3898G	53.85	54.00	-0.15	3	Horizontal	151	1.50	-
2437MHz	Pass	AV	2.4406G	107.37	Inf	-Inf	3	Horizontal	151	1.50	-
2437MHz	Pass	AV	2.4835G	48.22	54.00	-5.78	3	Horizontal	151	1.50	-
2437MHz	Pass	PK	2.3898G	66.28	74.00	-7.72	3	Horizontal	151	1.50	-
2437MHz	Pass	PK	2.4398G	119.79	Inf	-Inf	3	Horizontal	151	1.50	-
2437MHz	Pass	PK	2.4835G	60.96	74.00	-13.04	3	Horizontal	151	1.50	-
2437MHz	Pass	AV	4.8824G	37.71	54.00	-16.29	3	Vertical	145	1.50	-
2437MHz	Pass	PK	4.8853G	51.16	74.00	-22.84	3	Vertical	145	1.50	-
2437MHz	Pass	AV	4.8918G	36.85	54.00	-17.15	3	Horizontal	274	1.50	-
2437MHz	Pass	PK	4.8917G	50.60	74.00	-23.40	3	Horizontal	274	1.50	-

Remark :

Page No. : F8 of F107

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

9N1813-01



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2447MHz	Pass	AV	2.3898G	47.38	54.00	-6.62	3	Vertical	80	2.99	-
2447MHz	Pass	AV	2.4378G	109.54	Inf	-Inf	3	Vertical	80	2.99	-
2447MHz	Pass	AV	2.485G	47.66	54.00	-6.34	3	Vertical	80	2.99	-
2447MHz	Pass	PK	2.3898G	59.95	74.00	-14.05	3	Vertical	80	2.99	-
2447MHz	Pass	PK	2.439G	121.15	Inf	-Inf	3	Vertical	80	2.99	-
2447MHz	Pass	PK	2.4906G	59.91	74.00	-14.09	3	Vertical	80	2.99	-
2447MHz	Pass	AV	2.3578G	46.94	54.00	-7.06	3	Horizontal	191	1.45	-
2447MHz	Pass	AV	2.4406G	104.27	Inf	-Inf	3	Horizontal	191	1.45	-
2447MHz	Pass	AV	2.4835G	49.63	54.00	-4.37	3	Horizontal	191	1.45	-
2447MHz	Pass	PK	2.3846G	60.28	74.00	-13.72	3	Horizontal	191	1.45	-
2447MHz	Pass	PK	2.4402G	116.12	Inf	-Inf	3	Horizontal	191	1.45	-
2447MHz	Pass	PK	2.4842G	60.79	74.00	-13.21	3	Horizontal	191	1.45	-
2452MHz	Pass	AV	2.39G	48.21	54.00	-5.79	3	Vertical	43	1.86	-
2452MHz	Pass	AV	2.4512G	110.28	Inf	-Inf	3	Vertical	43	1.86	-
2452MHz	Pass	AV	2.484G	53.70	54.00	-0.30	3	Vertical	43	1.86	-
2452MHz	Pass	PK	2.3624G	59.60	74.00	-14.40	3	Vertical	43	1.86	-
2452MHz	Pass	PK	2.4504G	121.33	Inf	-Inf	3	Vertical	43	1.86	-
2452MHz	Pass	PK	2.484G	67.91	74.00	-6.09	3	Vertical	43	1.86	-
2452MHz	Pass	AV	2.39G	47.07	54.00	-6.93	3	Horizontal	146	1.37	-
2452MHz	Pass	AV	2.4556G	105.63	Inf	-Inf	3	Horizontal	146	1.37	-
2452MHz	Pass	AV	2.484G	48.43	54.00	-5.57	3	Horizontal	146	1.37	-
2452MHz	Pass	PK	2.3812G	59.78	74.00	-14.22	3	Horizontal	146	1.37	-
2452MHz	Pass	PK	2.4556G	117.90	Inf	-Inf	3	Horizontal	146	1.37	-
2452MHz	Pass	PK	2.4848G	61.11	74.00	-12.89	3	Horizontal	146	1.37	-
2452MHz	Pass	AV	4.9171G	39.52	54.00	-14.48	3	Vertical	129	1.63	-
2452MHz	Pass	PK	4.9174G	51.74	74.00	-22.26	3	Vertical	129	1.63	-
2452MHz	Pass	AV	4.9188G	38.20	54.00	-15.80	3	Horizontal	272	1.50	-
2452MHz	Pass	PK	4.8995G	50.86	74.00	-23.14	3	Horizontal	272	1.50	-

Remark :

Page No. : F9 of F107

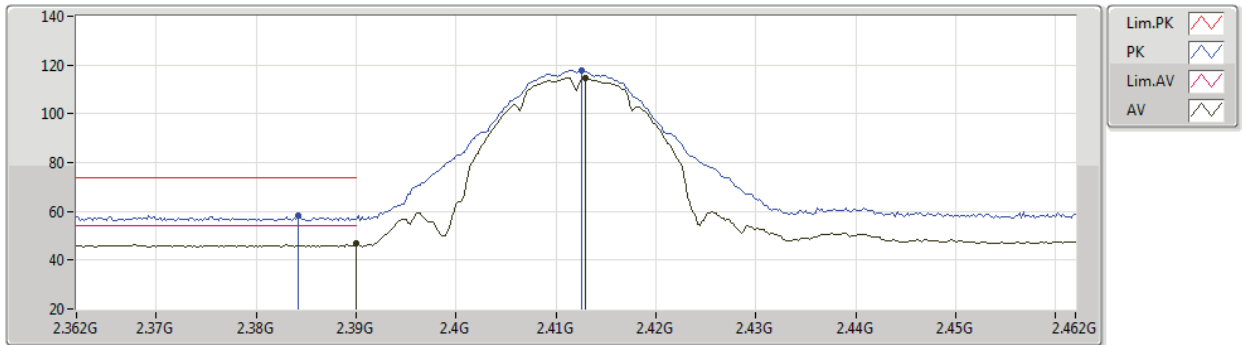
Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

9N1813-01

802.11b_Nss1,(1Mbps)_4TX

11/05/2020

2412MHz_TX

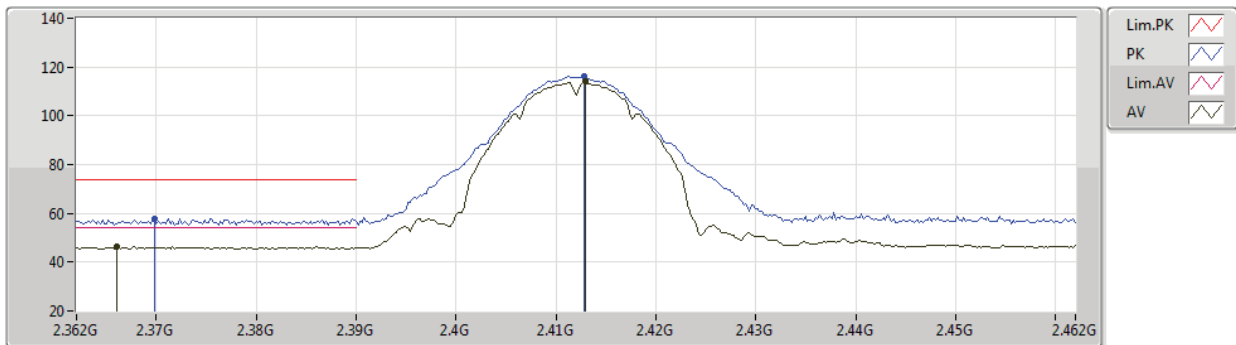


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	46.81	54.00	-7.19	32.72	3	Vertical	103	1.76	-	14.09	27.64	5.08	-
AV	2.413G	114.89	Inf	-Inf	32.71	3	Vertical	103	1.76	-	82.18	27.59	5.12	-
PK	2.3842G	58.51	74.00	-15.49	32.73	3	Vertical	103	1.76	-	25.78	27.66	5.07	-
PK	2.4126G	117.89	Inf	-Inf	32.71	3	Vertical	103	1.76	-	85.18	27.59	5.12	-

802.11b_Nss1,(1Mbps)_4TX

11/05/2020

2412MHz_TX

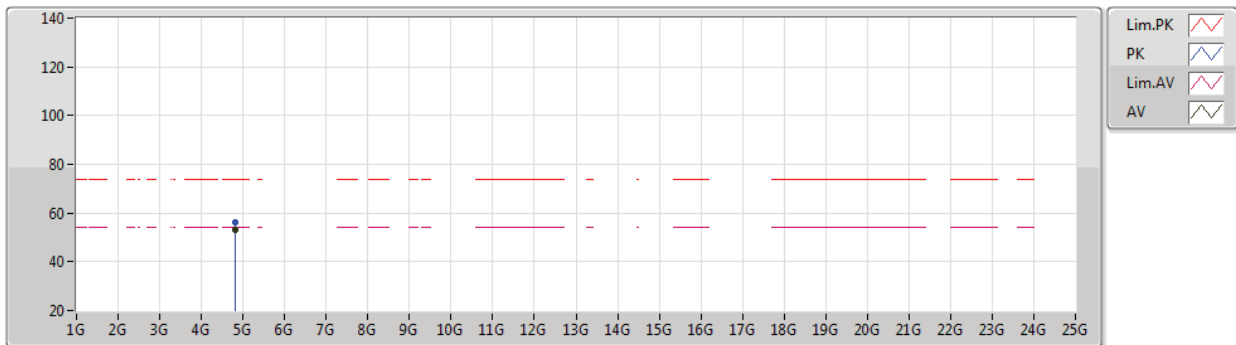


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.366G	46.31	54.00	-7.69	32.77	3	Horizontal	332	1.66	-	13.54	27.74	5.03	-
AV	2.413G	114.04	Inf	-Inf	32.71	3	Horizontal	332	1.66	-	81.33	27.59	5.12	-
PK	2.3698G	57.87	74.00	-16.13	32.76	3	Horizontal	332	1.66	-	25.11	27.72	5.04	-
PK	2.4128G	116.11	Inf	-Inf	32.71	3	Horizontal	332	1.66	-	83.40	27.59	5.12	-

802.11b_Nss1,(1Mbps)_4TX

11/05/2020

2412MHz_TX

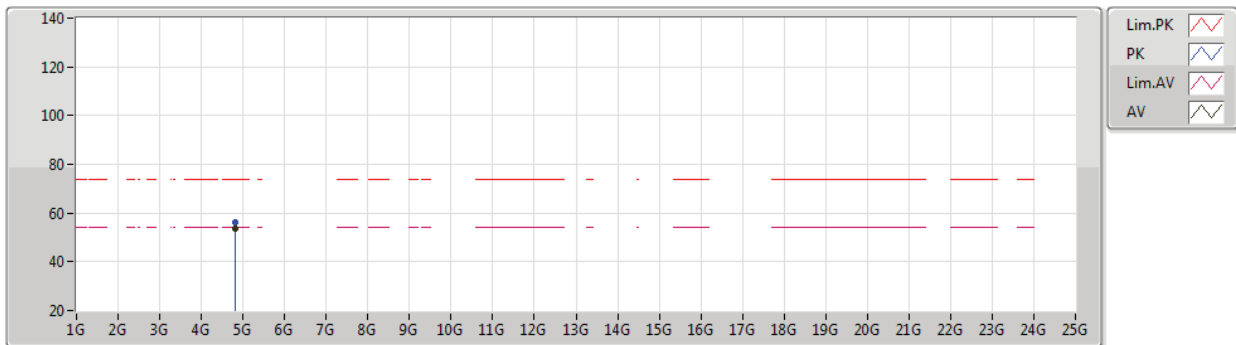


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82402G	53.03	54.00	-0.97	4.37	3	Vertical	9	1.91	-	48.66	31.10	7.32	34.05
PK	4.82396G	56.05	74.00	-17.95	4.37	3	Vertical	9	1.91	-	51.68	31.10	7.32	34.05

802.11b_Nss1,(1Mbps)_4TX

11/05/2020

2412MHz_TX

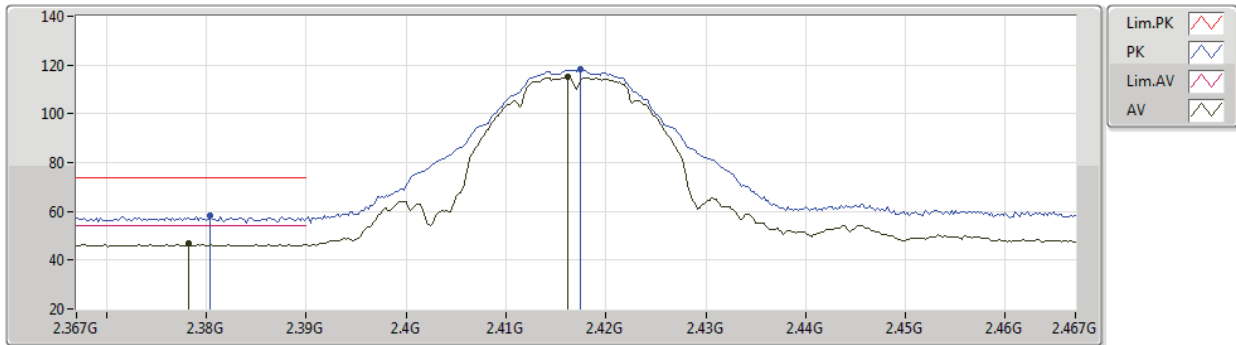


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82404G	53.45	54.00	-0.55	4.37	3	Horizontal	237	1.81	-	49.08	31.10	7.32	34.05
PK	4.82394G	56.15	74.00	-17.85	4.37	3	Horizontal	237	1.81	-	51.78	31.10	7.32	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2417MHz_TX

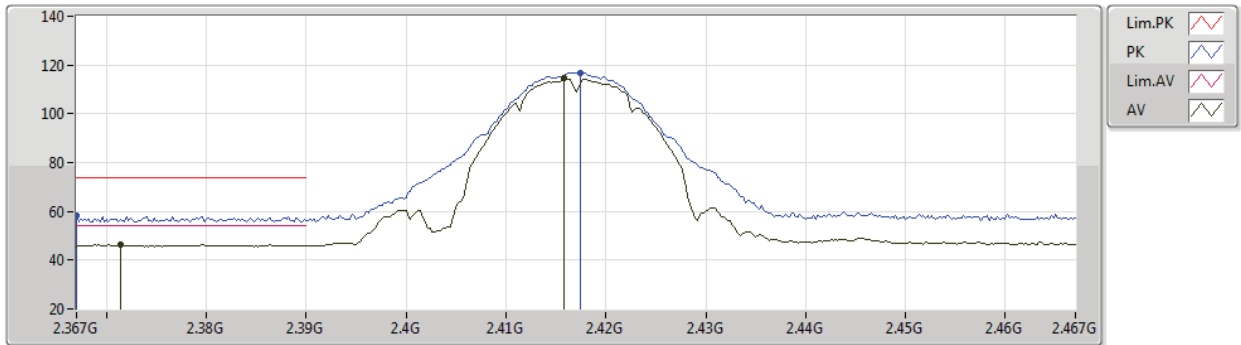


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3782G	46.74	54.00	-7.26	32.75	3	Vertical	96	1.97	-	13.99	27.69	5.06	-
AV	2.4162G	115.06	Inf	-Inf	32.70	3	Vertical	96	1.97	-	82.36	27.58	5.12	-
PK	2.3804G	58.30	74.00	-15.70	32.74	3	Vertical	96	1.97	-	25.56	27.68	5.06	-
PK	2.4174G	118.26	Inf	-Inf	32.71	3	Vertical	96	1.97	-	85.55	27.58	5.13	-

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2417MHz_TX

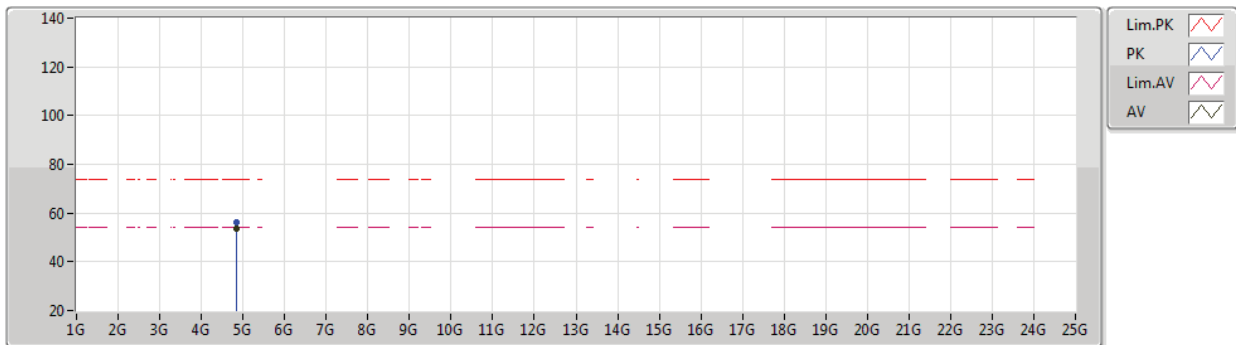


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3714G	46.43	54.00	-7.57	32.75	3	Horizontal	328	1.06	-	13.68	27.71	5.04	-
AV	2.4158G	114.50	Inf	-Inf	32.70	3	Horizontal	328	1.06	-	81.80	27.58	5.12	-
PK	2.367G	58.41	74.00	-15.59	32.76	3	Horizontal	328	1.06	-	25.65	27.73	5.03	-
PK	2.4174G	116.91	Inf	-Inf	32.71	3	Horizontal	328	1.06	-	84.20	27.58	5.13	-

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2417MHz_TX

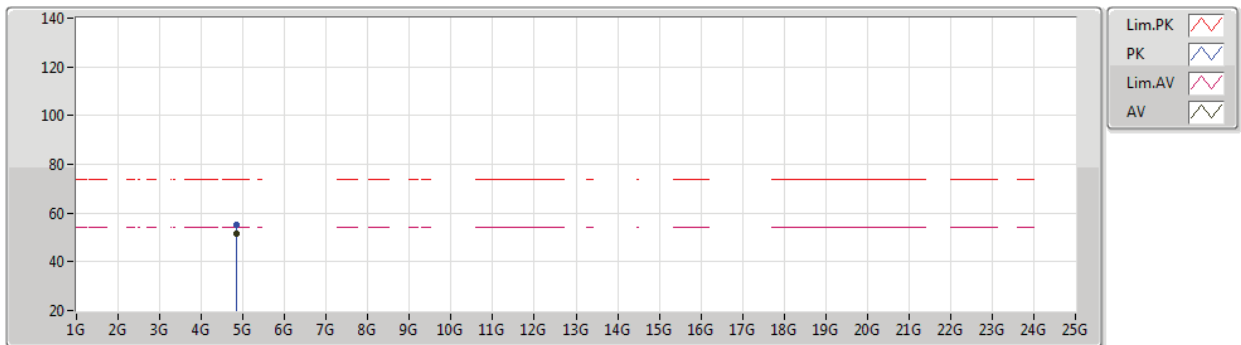


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.83401G	53.39	54.00	-0.61	4.38	3	Vertical	8	1.70	-	49.01	31.10	7.33	34.05
PK	4.8339G	56.23	74.00	-17.77	4.38	3	Vertical	8	1.70	-	51.85	31.10	7.33	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2417MHz_TX

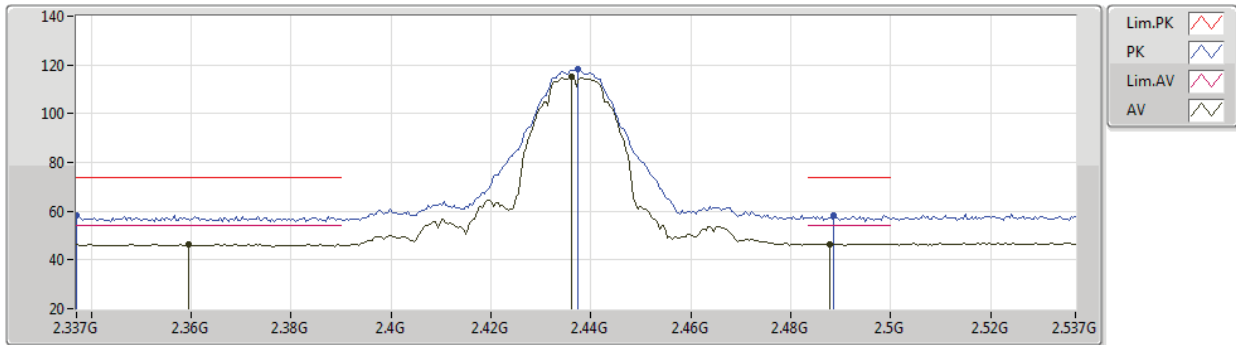


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.83402G	51.78	54.00	-2.22	4.38	3	Horizontal	234	2.03	-	47.40	31.10	7.33	34.05
PK	4.83406G	55.15	74.00	-18.85	4.38	3	Horizontal	234	2.03	-	50.77	31.10	7.33	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2437MHz_TX

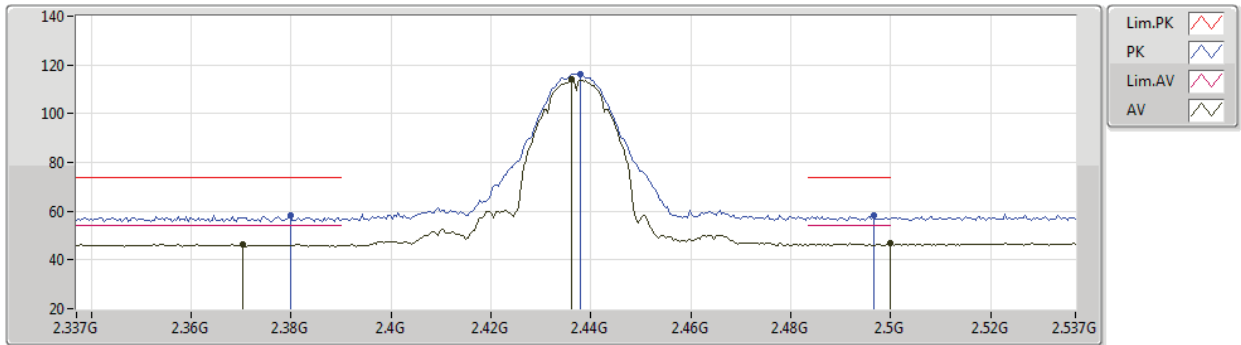


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3594G	46.61	54.00	-7.39	32.78	3	Vertical	95	2.25	-	13.83	27.76	5.02	-
AV	2.4362G	115.08	Inf	-Inf	32.71	3	Vertical	95	2.25	-	82.37	27.56	5.15	-
AV	2.4878G	46.61	54.00	-7.39	32.74	3	Vertical	95	2.25	-	13.87	27.51	5.23	-
PK	2.337G	58.48	74.00	-15.52	32.82	3	Vertical	95	2.25	-	25.66	27.85	4.97	-
PK	2.4374G	118.41	Inf	-Inf	32.72	3	Vertical	95	2.25	-	85.69	27.56	5.16	-
PK	2.4886G	58.30	74.00	-15.70	32.74	3	Vertical	95	2.25	-	25.56	27.51	5.23	-

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2437MHz_TX

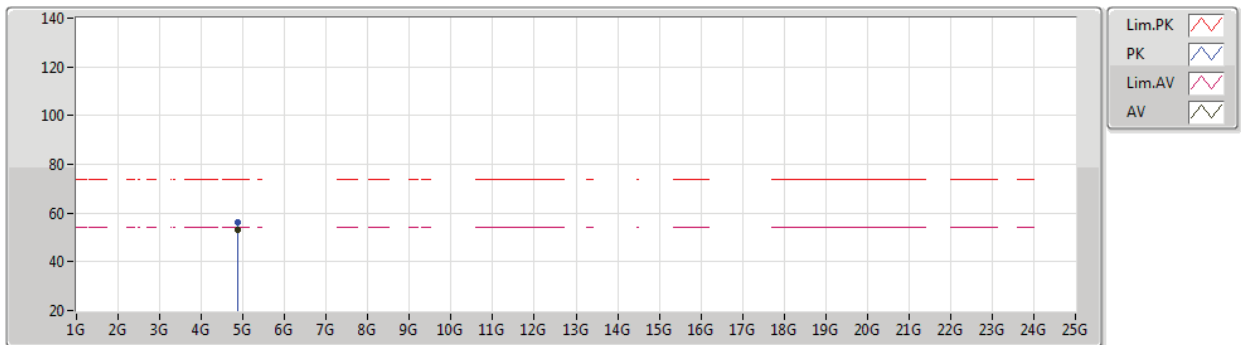


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3702G	46.36	54.00	-7.64	32.76	3	Horizontal	322	1.67	-	13.60	27.72	5.04	-
AV	2.4362G	113.97	Inf	-Inf	32.71	3	Horizontal	322	1.67	-	81.26	27.56	5.15	-
AV	2.4998G	46.71	54.00	-7.29	32.75	3	Horizontal	322	1.67	-	13.96	27.50	5.25	-
PK	2.3798G	58.41	74.00	-15.59	32.74	3	Horizontal	322	1.67	-	25.67	27.68	5.06	-
PK	2.4378G	116.36	Inf	-Inf	32.72	3	Horizontal	322	1.67	-	83.64	27.56	5.16	-
PK	2.4966G	58.23	74.00	-15.77	32.74	3	Horizontal	322	1.67	-	25.49	27.50	5.24	-

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2437MHz_TX

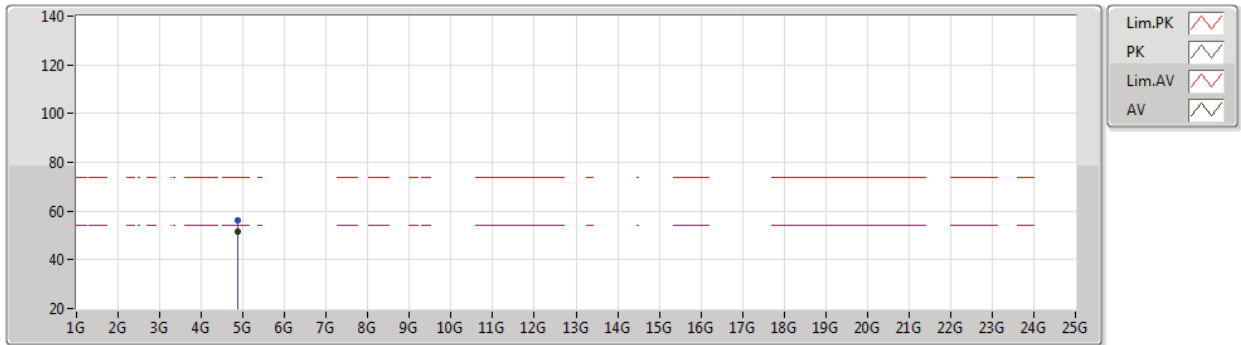


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87402G	53.36	54.00	-0.64	4.42	3	Vertical	12	1.50	-	48.94	31.10	7.37	34.05
PK	4.87391G	56.45	74.00	-17.55	4.42	3	Vertical	12	1.50	-	52.03	31.10	7.37	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2437MHz_TX

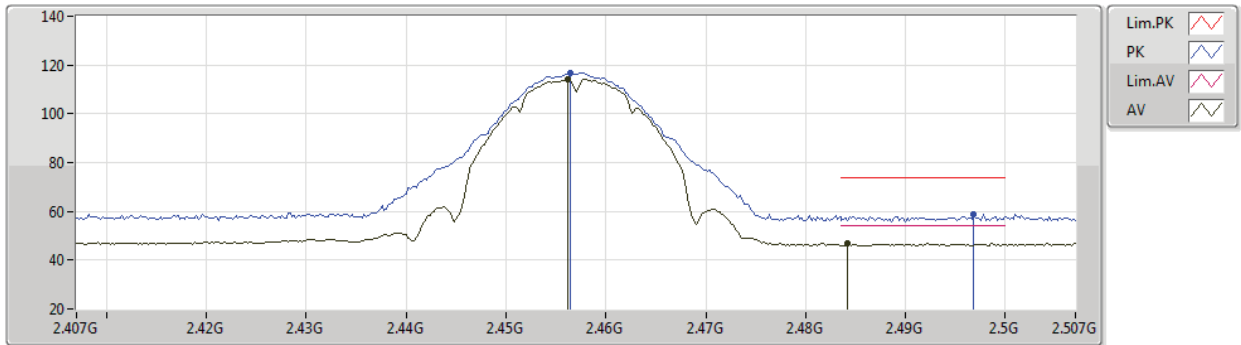


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87406G	51.81	54.00	-2.19	4.42	3	Horizontal	264	1.60	-	47.39	31.10	7.37	34.05
PK	4.87397G	56.41	74.00	-17.59	4.42	3	Horizontal	264	1.60	-	51.99	31.10	7.37	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2457MHz_TX

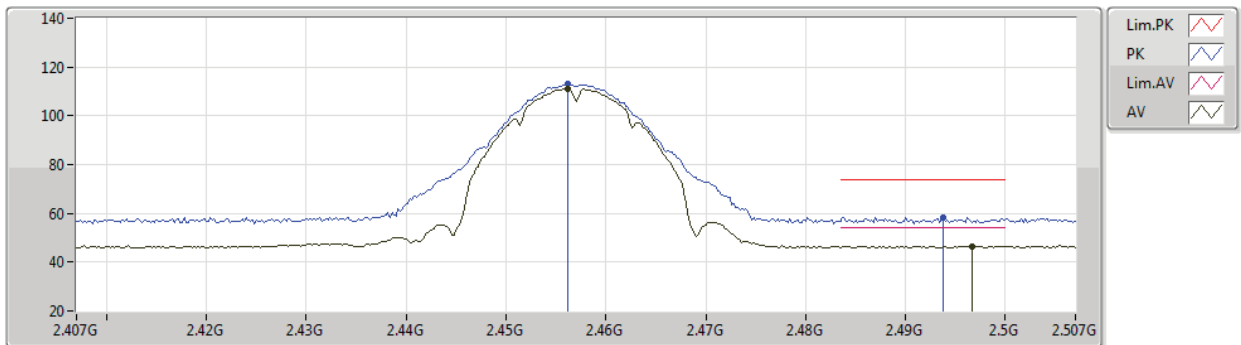


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	114.30	Inf	-Inf	32.72	3	Vertical	107	1.90	-	81.58	27.54	5.18	-
AV	2.4842G	46.74	54.00	-7.26	32.75	3	Vertical	107	1.90	-	13.99	27.52	5.23	-
PK	2.4564G	116.62	Inf	-Inf	32.72	3	Vertical	107	1.90	-	83.90	27.54	5.18	-
PK	2.4968G	58.76	74.00	-15.24	32.75	3	Vertical	107	1.90	-	26.01	27.50	5.25	-

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

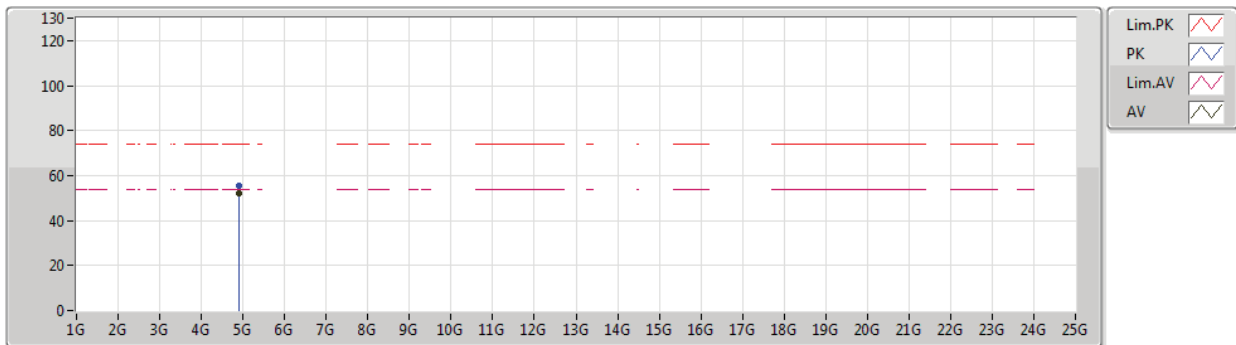
2457MHz_TX



802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2457MHz_TX

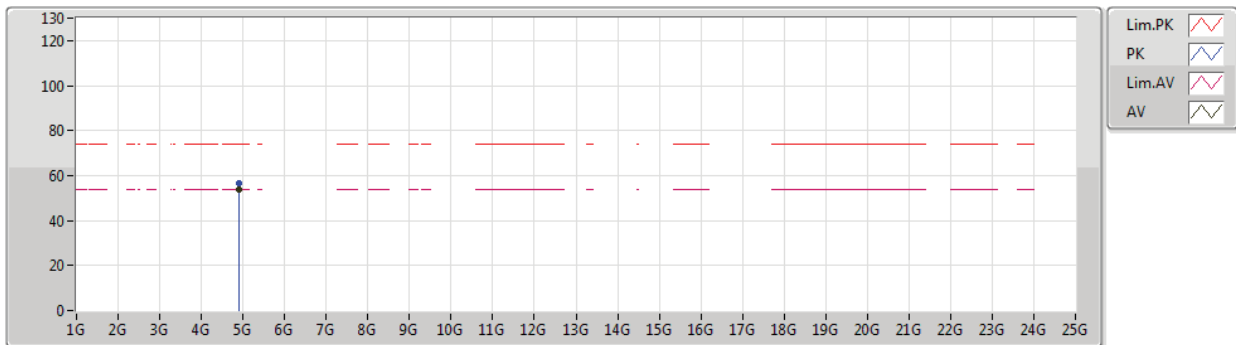


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.91404G	52.33	54.00	-1.67	4.52	3	Vertical	13	1.49	-	47.81	31.16	7.41	34.05
PK	4.91403G	55.38	74.00	-18.62	4.52	3	Vertical	13	1.49	-	50.86	31.16	7.41	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2457MHz_TX

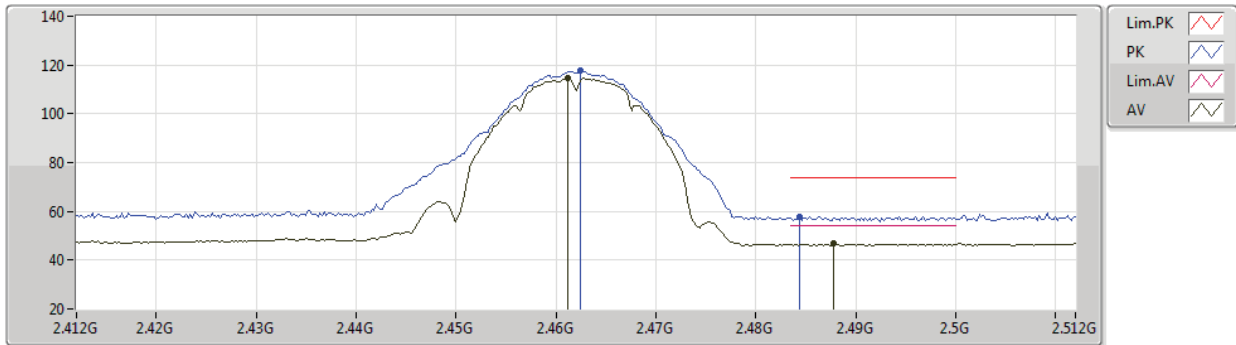


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.91401G	53.63	54.00	-0.37	4.52	3	Horizontal	287	1.43	-	49.11	31.16	7.41	34.05
PK	4.91395G	56.41	74.00	-17.59	4.52	3	Horizontal	287	1.43	-	51.89	31.16	7.41	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2462MHz_TX

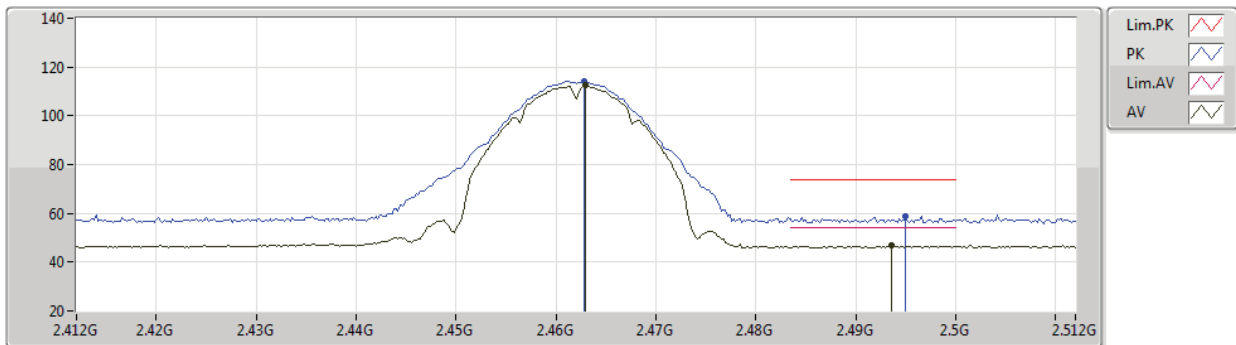


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	24612G	114.74	Inf	-Inf	32.73	3	Vertical	86	2.39	-	82.01	27.54	5.19	-
AV	24878G	46.67	54.00	-7.33	32.74	3	Vertical	86	2.39	-	13.93	27.51	5.23	-
PK	24624G	117.53	Inf	-Inf	32.73	3	Vertical	86	2.39	-	84.80	27.54	5.19	-
PK	24844G	57.97	74.00	-16.03	32.75	3	Vertical	86	2.39	-	25.22	27.52	5.23	-

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2462MHz_TX

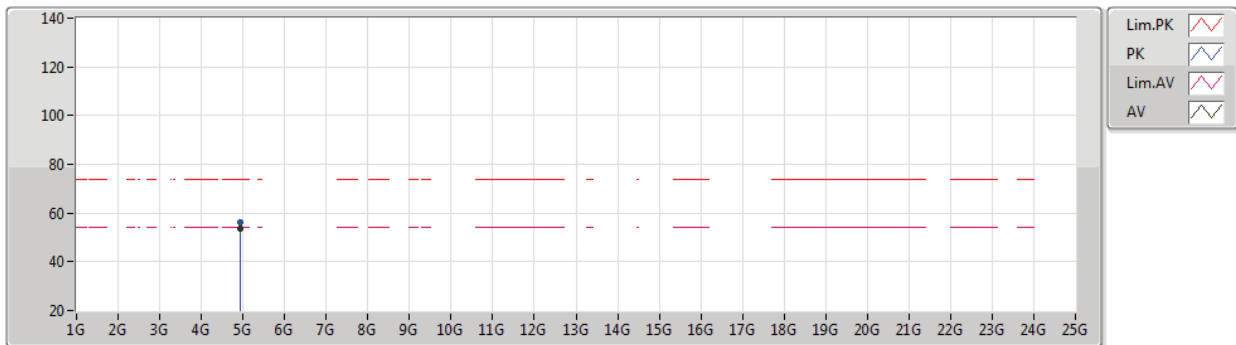


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.463G	112.43	Inf	-Inf	32.73	3	Horizontal	321	1.83	-	79.70	27.54	5.19	-
AV	2.4936G	46.66	54.00	-7.34	32.75	3	Horizontal	321	1.83	-	13.91	27.51	5.24	-
PK	2.4628G	114.12	Inf	-Inf	32.73	3	Horizontal	321	1.83	-	81.39	27.54	5.19	-
PK	2.495G	58.78	74.00	-15.22	32.74	3	Horizontal	321	1.83	-	26.04	27.50	5.24	-

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2462MHz_TX

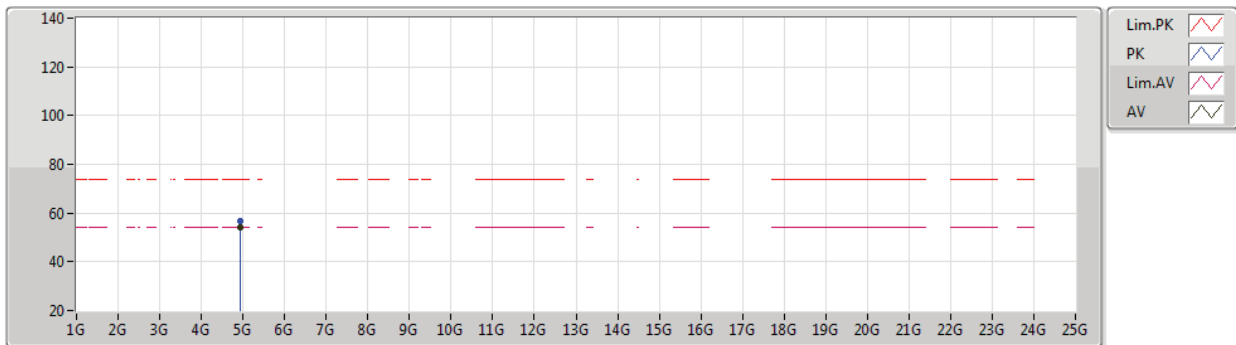


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92404G	53.52	54.00	-0.48	4.57	3	Vertical	6	1.50	-	48.95	31.20	7.42	34.05
PK	4.92391G	56.23	74.00	-17.77	4.57	3	Vertical	6	1.50	-	51.66	31.20	7.42	34.05

802.11b_Nss1,(1Mbps)_4TX

12/05/2020

2462MHz_TX

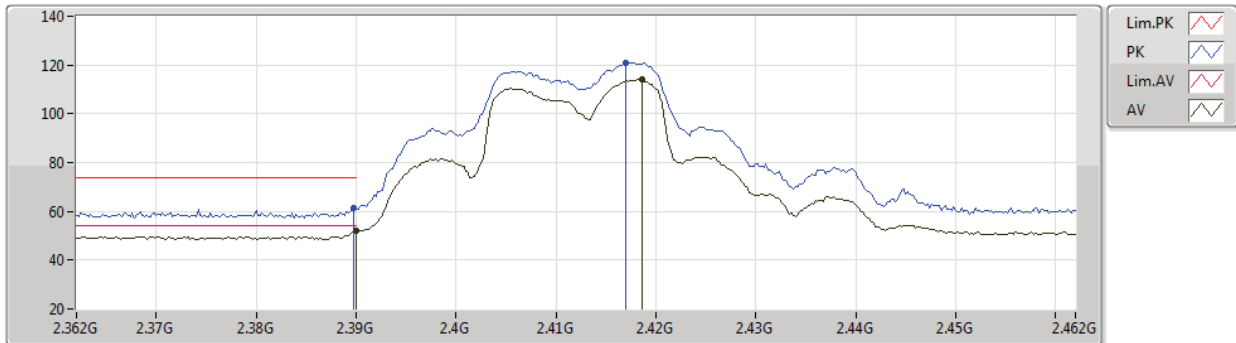


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	53.90	54.00	-0.10	4.57	3	Horizontal	281	1.57	-	49.33	31.20	7.42	34.05
PK	4.92396G	56.50	74.00	-17.50	4.57	3	Horizontal	281	1.57	-	51.93	31.20	7.42	34.05

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2412MHz_TX

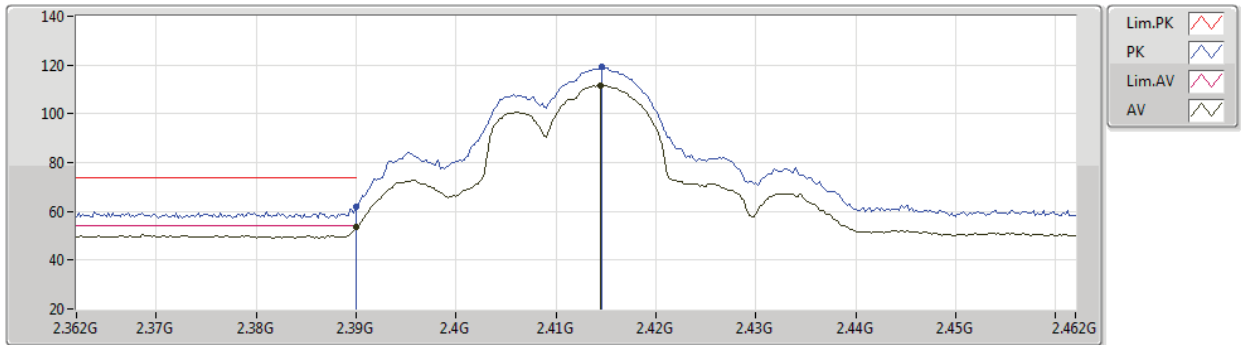


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.89	54.00	-2.11	34.97	3	Vertical	33	2.03	-	16.92	27.64	7.33	-
AV	2.4186G	114.03	Inf	-Inf	34.92	3	Vertical	33	2.03	-	79.11	27.58	7.34	-
PK	2.3898G	61.16	74.00	-12.84	34.97	3	Vertical	33	2.03	-	26.19	27.64	7.33	-
PK	2.417G	120.84	Inf	-Inf	34.92	3	Vertical	33	2.03	-	85.92	27.58	7.34	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2412MHz_TX

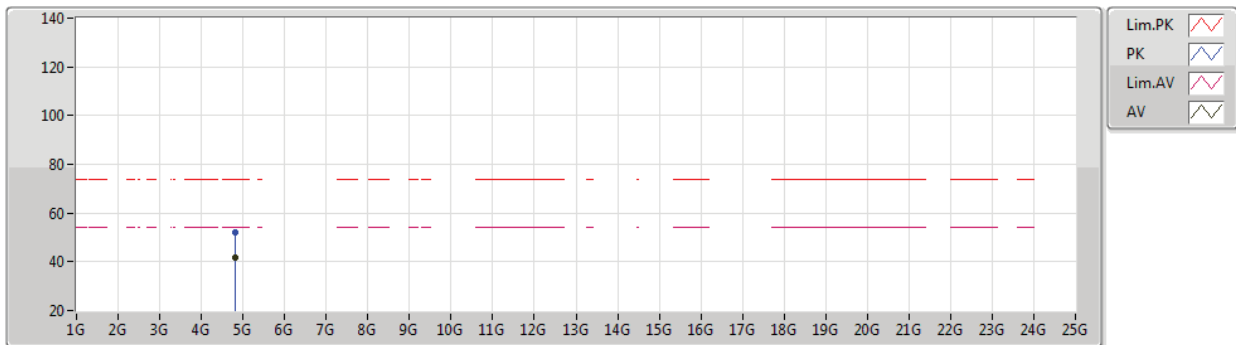


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.60	54.00	-0.40	34.97	3	Horizontal	354	1.02	-	18.63	27.64	7.33	-
AV	2.4144G	111.43	Inf	-Inf	34.93	3	Horizontal	354	1.02	-	76.50	27.59	7.34	-
PK	2.39G	61.83	74.00	-12.17	34.97	3	Horizontal	354	1.02	-	26.86	27.64	7.33	-
PK	2.4146G	119.15	Inf	-Inf	34.93	3	Horizontal	354	1.02	-	84.22	27.59	7.34	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2412MHz_TX

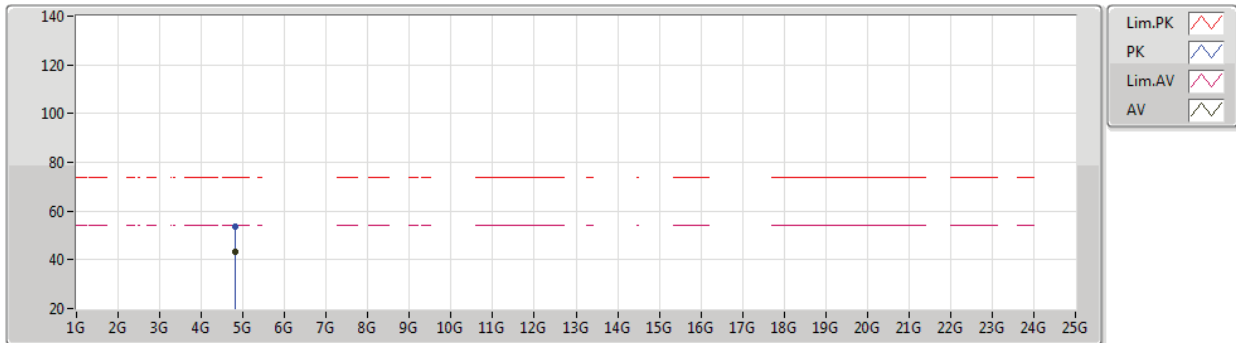


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82272G	41.53	54.00	-12.47	6.99	3	Vertical	128	1.50	-	34.54	31.10	9.94	34.05
PK	4.82092G	52.14	74.00	-21.86	6.98	3	Vertical	128	1.50	-	45.16	31.10	9.93	34.05

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2412MHz_TX

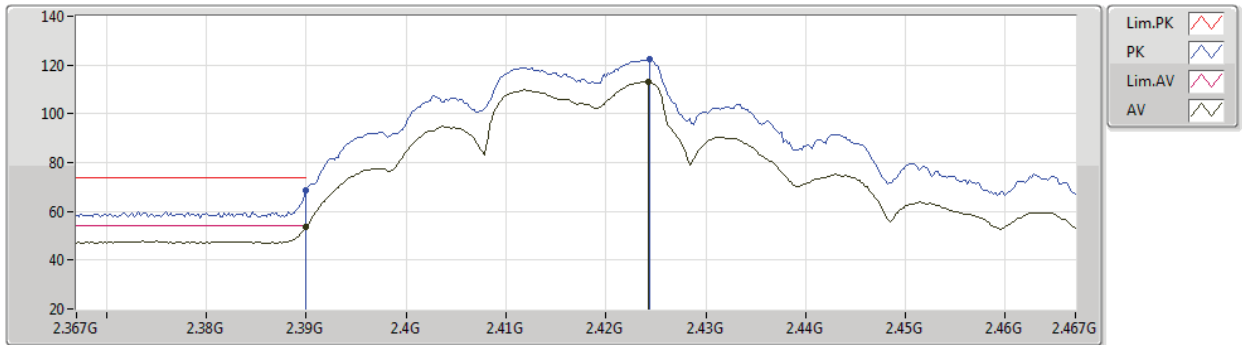


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8237G	43.09	54.00	-10.91	6.99	3	Horizontal	277	1.87	-	36.10	31.10	9.94	34.05
PK	4.82369G	53.81	74.00	-20.19	6.99	3	Horizontal	277	1.87	-	46.82	31.10	9.94	34.05

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2417MHz_TX

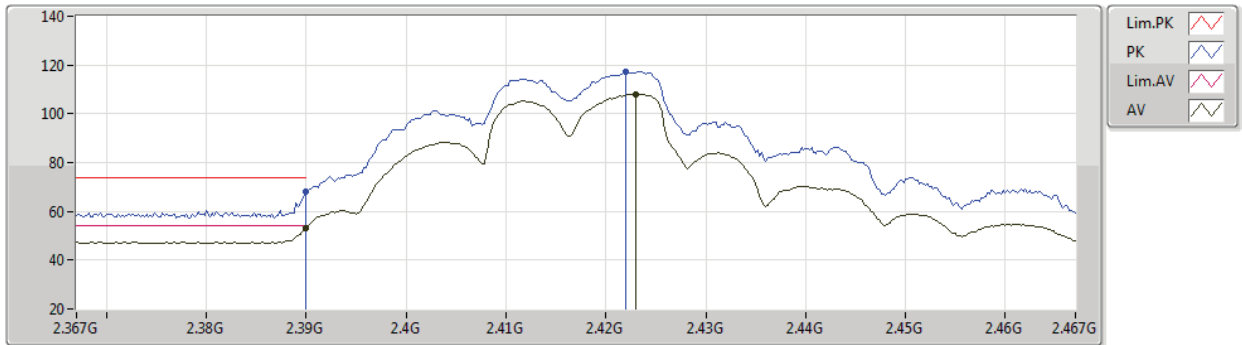


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.72	54.00	-0.28	34.97	3	Vertical	26	1.50	-	18.75	27.64	7.33	-
AV	2.4242G	113.14	Inf	-Inf	34.92	3	Vertical	26	1.50	-	78.22	27.58	7.34	-
PK	2.39G	68.59	74.00	-5.41	34.97	3	Vertical	26	1.50	-	33.62	27.64	7.33	-
PK	2.4244G	122.49	Inf	-Inf	34.92	3	Vertical	26	1.50	-	87.57	27.58	7.34	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2417MHz_TX

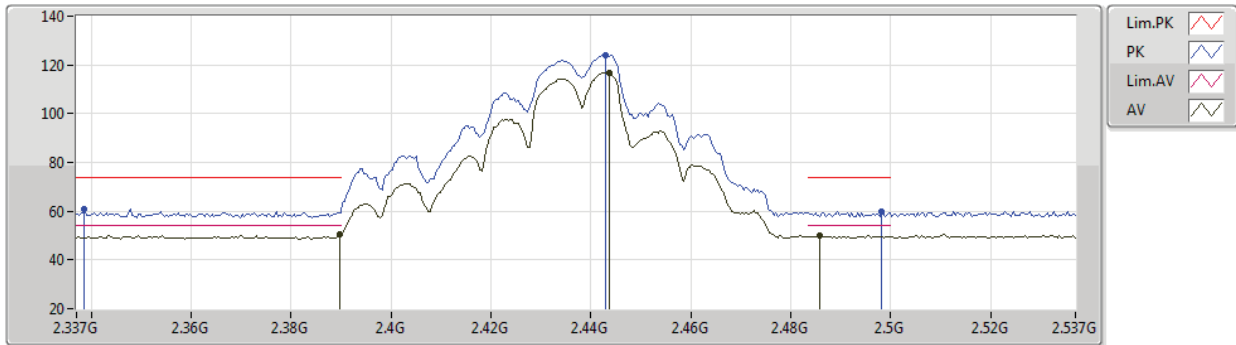


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.00	54.00	-1.00	34.97	3	Horizontal	203	1.50	-	18.03	27.64	7.33	-
AV	2.423G	108.00	Inf	-Inf	34.92	3	Horizontal	203	1.50	-	73.08	27.58	7.34	-
PK	2.39G	68.23	74.00	-5.77	34.97	3	Horizontal	203	1.50	-	33.26	27.64	7.33	-
PK	2.422G	117.22	Inf	-Inf	34.92	3	Horizontal	203	1.50	-	82.30	27.58	7.34	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2437MHz_TX

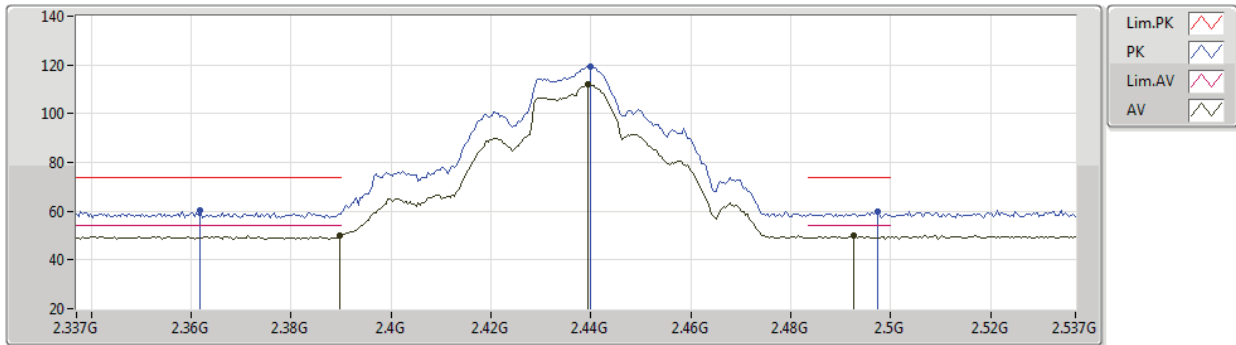


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.45	54.00	-3.55	34.97	3	Vertical	74	2.25	-	15.48	27.64	7.33	-
AV	2.4438G	116.59	Inf	-Inf	34.91	3	Vertical	74	2.25	-	81.68	27.56	7.35	-
AV	2.4858G	49.86	54.00	-4.14	34.88	3	Vertical	74	2.25	-	14.98	27.51	7.37	-
PK	2.3386G	60.92	74.00	-13.08	35.19	3	Vertical	74	2.25	-	25.73	27.85	7.34	-
PK	2.443G	124.11	Inf	-Inf	34.91	3	Vertical	74	2.25	-	89.20	27.56	7.35	-
PK	2.4982G	59.80	74.00	-14.20	34.87	3	Vertical	74	2.25	-	24.93	27.50	7.37	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2437MHz_TX

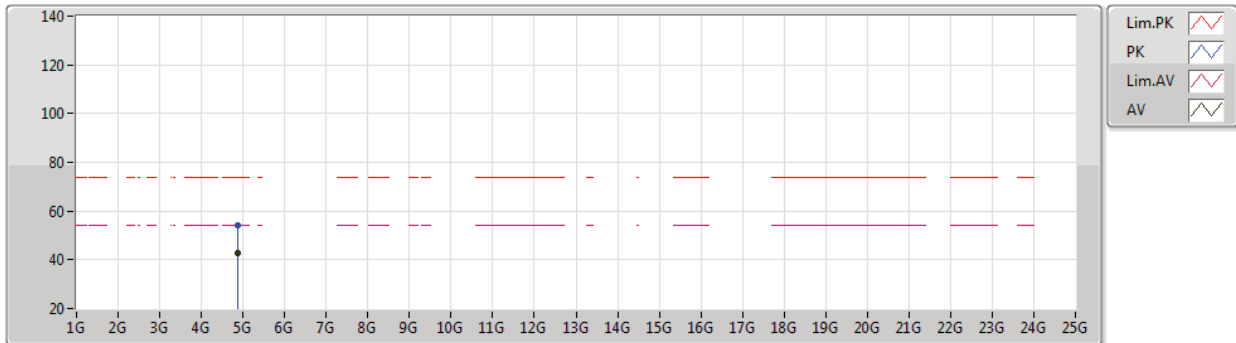


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.91	54.00	-4.09	34.97	3	Horizontal	141	2.14	-	14.94	27.64	7.33	-
AV	2.4394G	111.92	Inf	-Inf	34.91	3	Horizontal	141	2.14	-	77.01	27.56	7.35	-
AV	2.4926G	50.06	54.00	-3.94	34.88	3	Horizontal	141	2.14	-	15.18	27.51	7.37	-
PK	2.3618G	60.32	74.00	-13.68	35.09	3	Horizontal	141	2.14	-	25.23	27.75	7.34	-
PK	2.4398G	119.42	Inf	-Inf	34.91	3	Horizontal	141	2.14	-	84.51	27.56	7.35	-
PK	2.4974G	59.81	74.00	-14.19	34.87	3	Horizontal	141	2.14	-	24.94	27.50	7.37	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2437MHz_TX

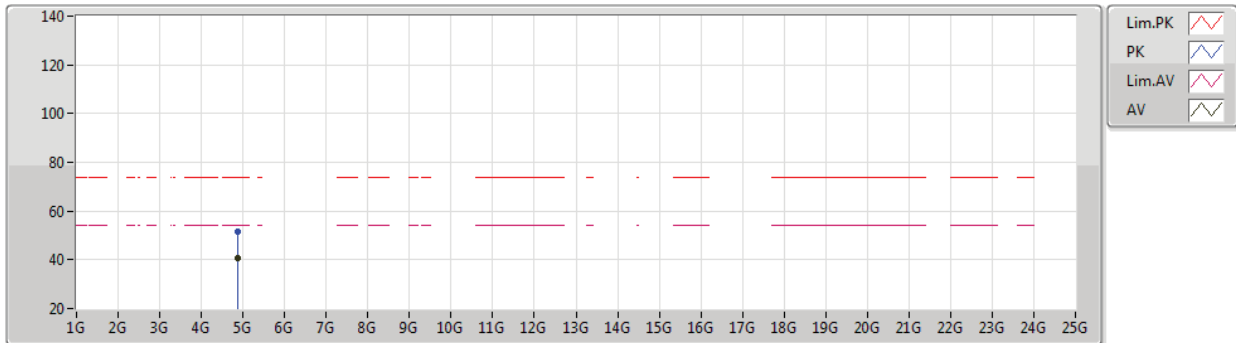


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87778G	42.84	54.00	-11.16	7.03	3	Vertical	160	1.21	-	35.81	31.10	9.98	34.05
PK	4.8786G	54.19	74.00	-19.81	7.03	3	Vertical	160	1.21	-	47.16	31.10	9.98	34.05

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2437MHz_TX

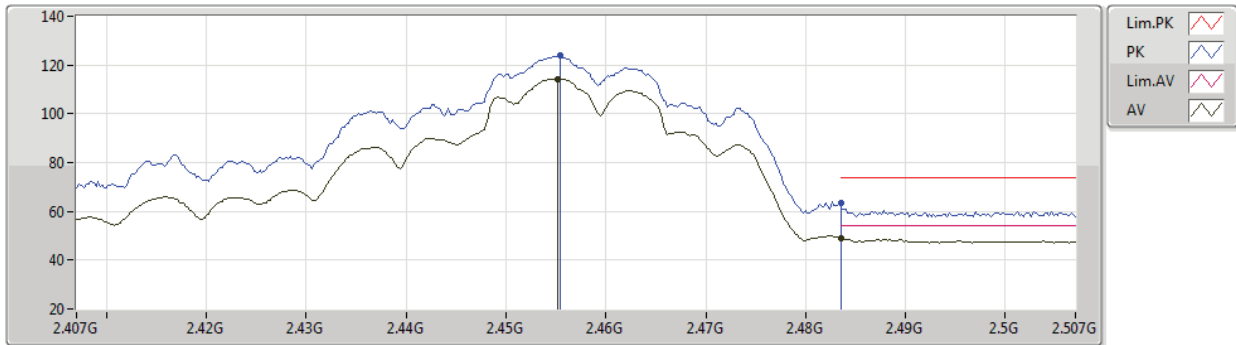


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87604G	40.64	54.00	-13.36	7.03	3	Horizontal	287	1.42	-	33.61	31.10	9.98	34.05
PK	4.87398G	51.54	74.00	-22.46	7.03	3	Horizontal	287	1.42	-	44.51	31.10	9.98	34.05

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2457MHz_TX

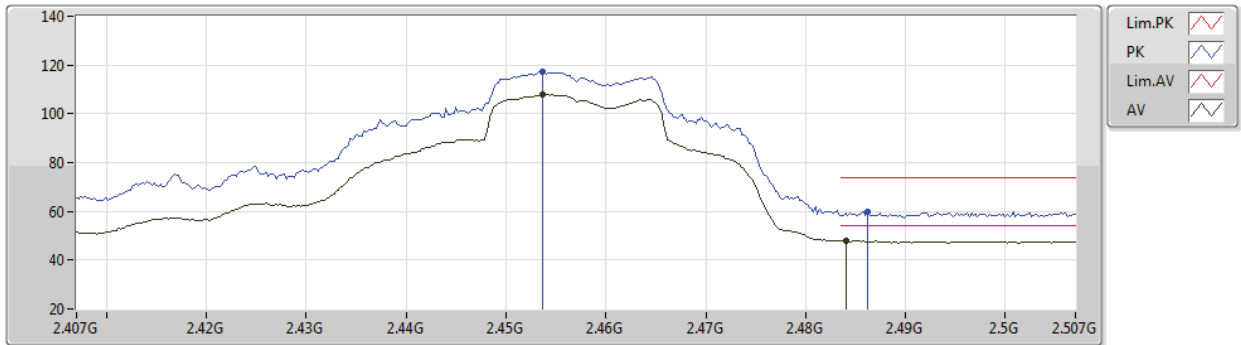


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	24552G	114.15	Inf	-Inf	34.90	3	Vertical	29	2.98	-	79.25	27.54	7.36	-
AV	24835G	49.21	54.00	-4.79	34.89	3	Vertical	29	2.98	-	14.32	27.52	7.37	-
PK	24554G	123.74	Inf	-Inf	34.90	3	Vertical	29	2.98	-	88.84	27.54	7.36	-
PK	24835G	63.22	74.00	-10.78	34.89	3	Vertical	29	2.98	-	28.33	27.52	7.37	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2457MHz_TX

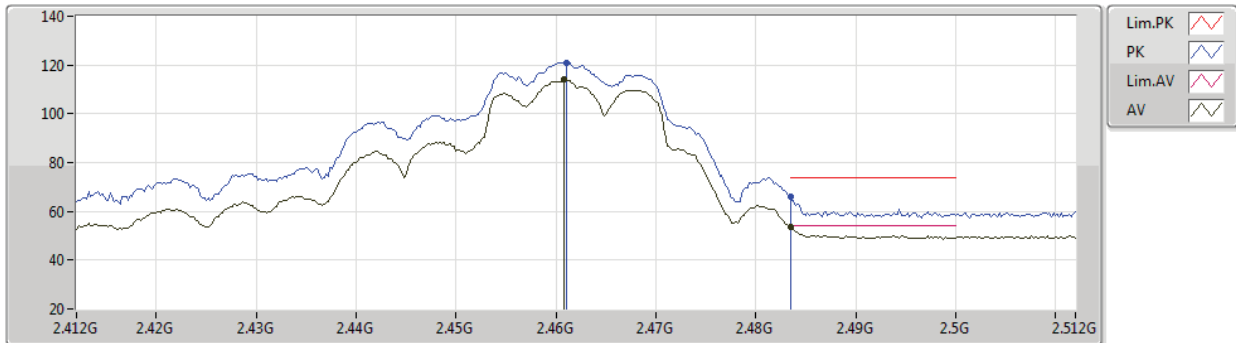


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4536G	107.77	Inf	-Inf	34.90	3	Horizontal	172	1.50	-	72.87	27.55	7.35	-
AV	2.484G	48.07	54.00	-5.93	34.89	3	Horizontal	172	1.50	-	13.18	27.52	7.37	-
PK	2.4536G	117.37	Inf	-Inf	34.90	3	Horizontal	172	1.50	-	82.47	27.55	7.35	-
PK	2.4862G	59.65	74.00	-14.35	34.88	3	Horizontal	172	1.50	-	24.77	27.51	7.37	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2462MHz_TX

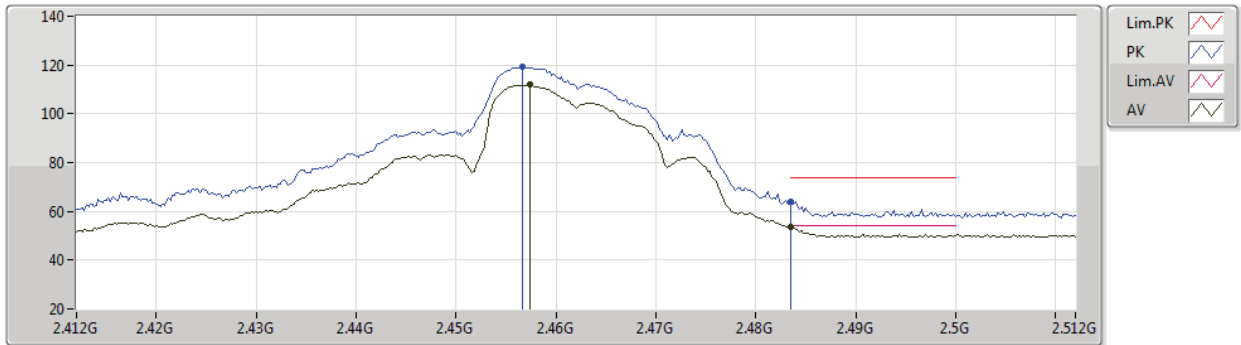


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	24608G	113.88	Inf	-Inf	34.90	3	Vertical	34	2.80	-	78.98	27.54	7.36	-
AV	24835G	53.64	54.00	-0.36	34.89	3	Vertical	34	2.73	-	18.75	27.52	7.37	-
PK	2461G	121.11	Inf	-Inf	34.90	3	Vertical	34	2.78	-	86.21	27.54	7.36	-
PK	24835G	66.01	74.00	-7.99	34.89	3	Vertical	34	2.57	-	31.12	27.52	7.37	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2462MHz_TX

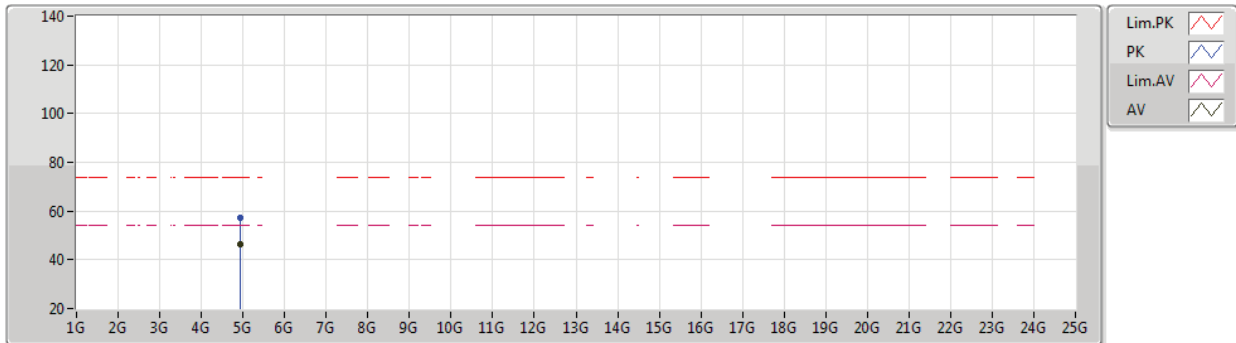


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4574G	111.91	Inf	-Inf	34.90	3	Horizontal	347	2.09	-	77.01	27.54	7.36	-
AV	2.4835G	53.72	54.00	-0.28	34.89	3	Horizontal	347	2.09	-	18.83	27.52	7.37	-
PK	2.4566G	119.13	Inf	-Inf	34.90	3	Horizontal	347	2.09	-	84.23	27.54	7.36	-
PK	2.4835G	63.79	74.00	-10.21	34.89	3	Horizontal	347	2.09	-	28.90	27.52	7.37	-

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2462MHz_TX

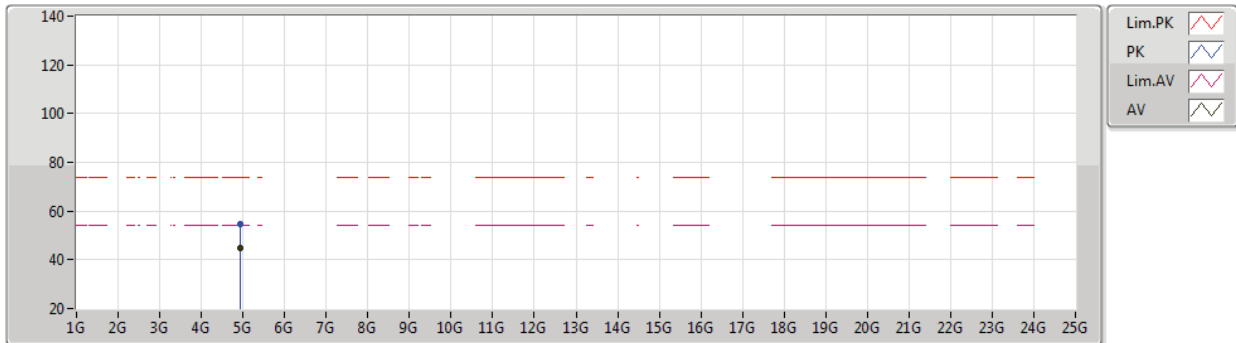


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9269G	46.57	54.00	-7.43	7.18	3	Vertical	151	1.50	-	39.39	31.21	10.02	34.05
PK	4.9287G	57.17	74.00	-16.83	7.18	3	Vertical	151	1.50	-	49.99	31.21	10.02	34.05

802.11g_Nss1,(6Mbps)_4TX

10/01/2020

2462MHz_TX

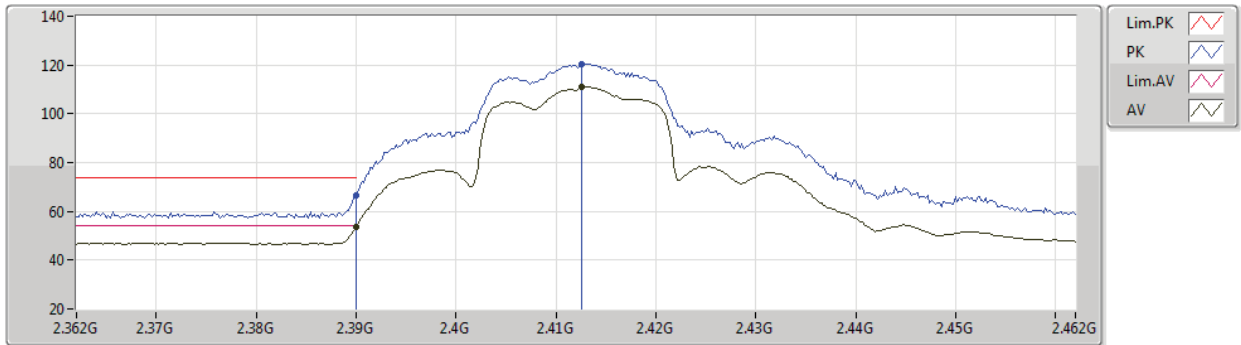


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9243G	44.93	54.00	-9.07	7.17	3	Horizontal	326	1.50	-	37.76	31.20	10.02	34.05
PK	4.9244G	54.64	74.00	-19.36	7.17	3	Horizontal	326	1.50	-	47.47	31.20	10.02	34.05

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

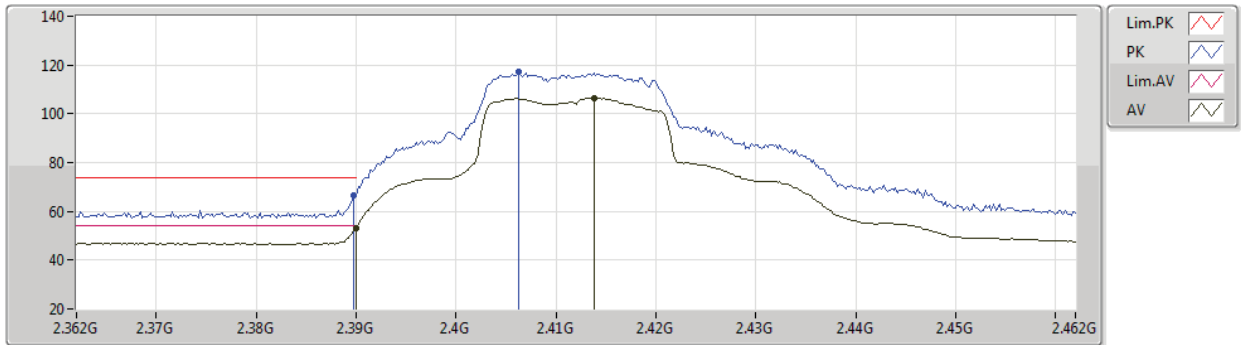


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.57	54.00	-0.43	34.97	3	Vertical	38	1.50	-	18.60	27.64	7.33	-
AV	2.4126G	111.00	Inf	-Inf	34.93	3	Vertical	38	1.50	-	76.07	27.59	7.34	-
PK	2.39G	66.74	74.00	-7.26	34.97	3	Vertical	38	1.50	-	31.77	27.64	7.33	-
PK	2.4126G	120.38	Inf	-Inf	34.93	3	Vertical	38	1.50	-	85.45	27.59	7.34	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

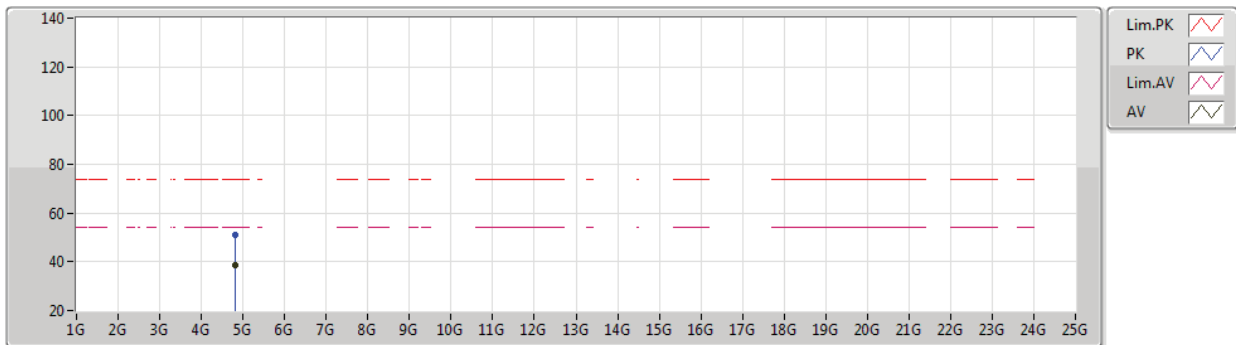


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.34	54.00	-0.66	34.97	3	Horizontal	174	1.50	-	18.37	27.64	7.33	-
AV	2.4138G	106.44	Inf	-Inf	34.93	3	Horizontal	174	1.50	-	71.51	27.59	7.34	-
PK	2.3898G	66.67	74.00	-7.33	34.97	3	Horizontal	174	1.50	-	31.70	27.64	7.33	-
PK	2.4062G	117.04	Inf	-Inf	34.93	3	Horizontal	174	1.50	-	82.11	27.59	7.34	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

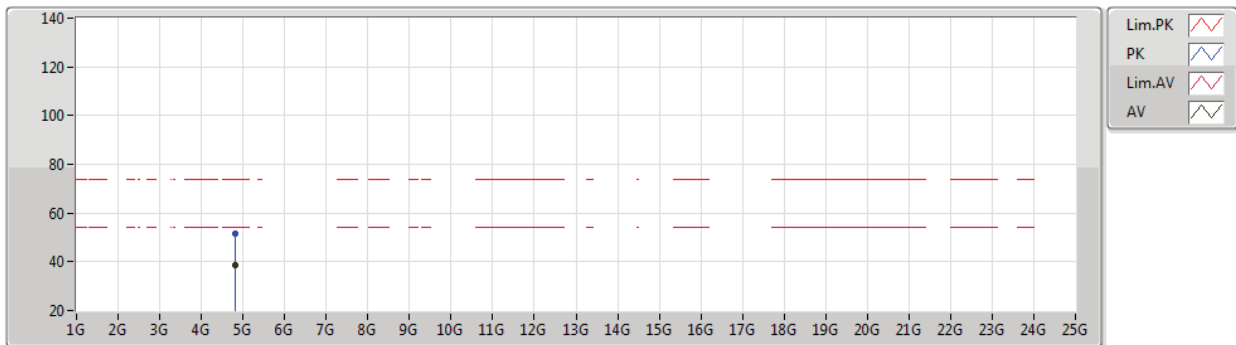


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82285G	38.62	54.00	-15.38	6.99	3	Vertical	131	2.82	-	31.63	31.10	9.94	34.05
PK	4.82199G	51.03	74.00	-22.97	6.98	3	Vertical	131	2.71	-	44.05	31.10	9.93	34.05

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

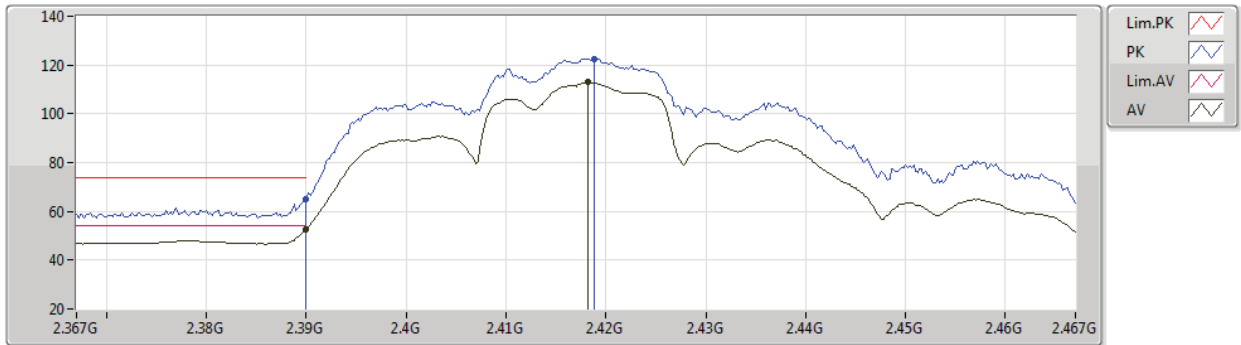


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.81856G	38.71	54.00	-15.29	6.98	3	Horizontal	267	1.50	-	31.73	31.10	9.93	34.05
PK	4.8268G	51.56	74.00	-22.44	6.99	3	Horizontal	267	1.50	-	44.57	31.10	9.94	34.05

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2417MHz_TX

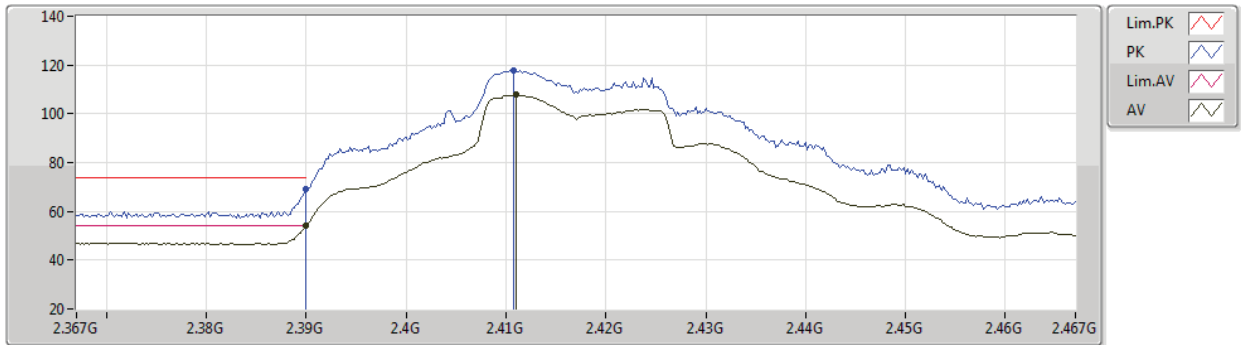


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.63	54.00	-1.37	34.97	3	Vertical	36	1.50	-	17.66	27.64	7.33	-
AV	2.4182G	113.03	Inf	-Inf	34.92	3	Vertical	36	1.50	-	78.11	27.58	7.34	-
PK	2.39G	64.86	74.00	-9.14	34.97	3	Vertical	36	1.50	-	29.89	27.64	7.33	-
PK	2.4188G	122.66	Inf	-Inf	34.92	3	Vertical	36	1.50	-	87.74	27.58	7.34	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2417MHz_TX

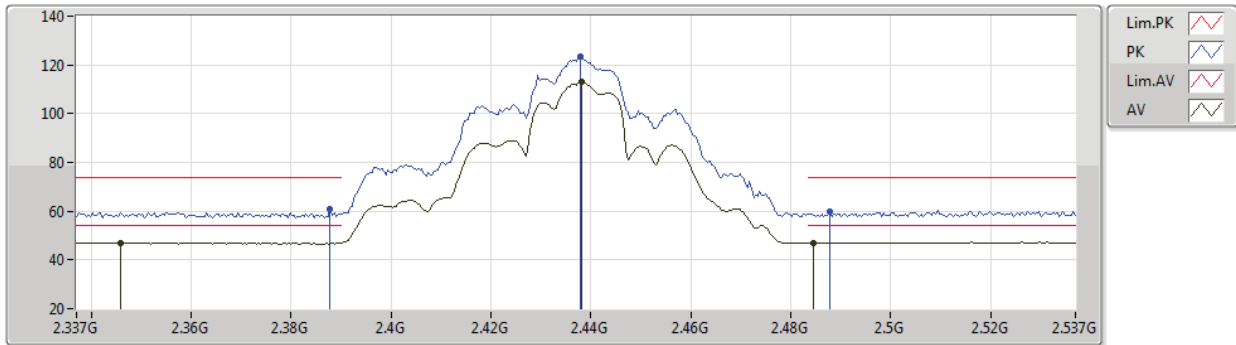


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.90	54.00	-0.10	34.97	3	Horizontal	184	1.50	-	18.93	27.64	7.33	-
AV	2.411G	107.77	Inf	-Inf	34.93	3	Horizontal	184	1.50	-	72.84	27.59	7.34	-
PK	2.39G	68.93	74.00	-5.07	34.97	3	Horizontal	184	1.50	-	33.96	27.64	7.33	-
PK	2.4108G	117.82	Inf	-Inf	34.93	3	Horizontal	184	1.50	-	82.89	27.59	7.34	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

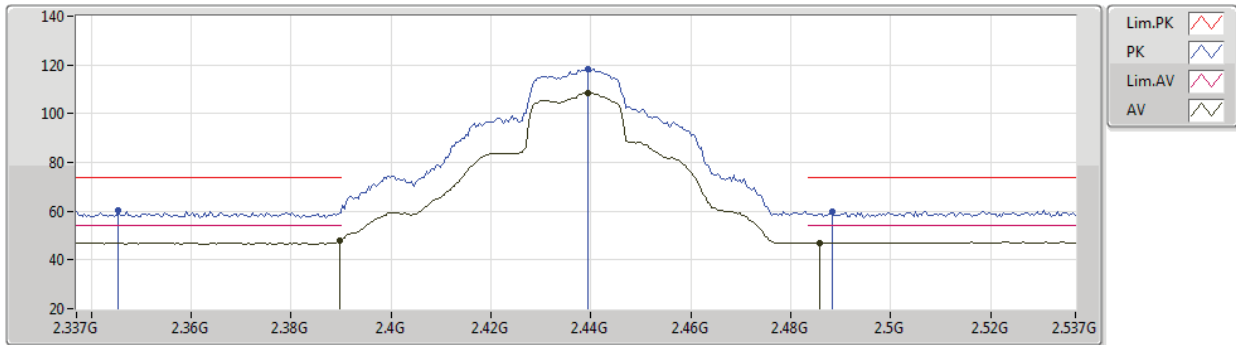


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3458G	47.04	54.00	-6.96	35.16	3	Vertical	34	1.65	-	11.88	27.82	7.34	-
AV	2.4382G	112.92	Inf	-Inf	34.91	3	Vertical	34	1.65	-	78.01	27.56	7.35	-
AV	2.4846G	47.02	54.00	-6.98	34.89	3	Vertical	34	1.65	-	12.13	27.52	7.37	-
PK	2.3878G	60.83	74.00	-13.17	34.98	3	Vertical	34	1.65	-	25.85	27.65	7.33	-
PK	2.4378G	123.22	Inf	-Inf	34.91	3	Vertical	34	1.65	-	88.31	27.56	7.35	-
PK	2.4878G	60.02	74.00	-13.98	34.88	3	Vertical	34	1.65	-	25.14	27.51	7.37	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

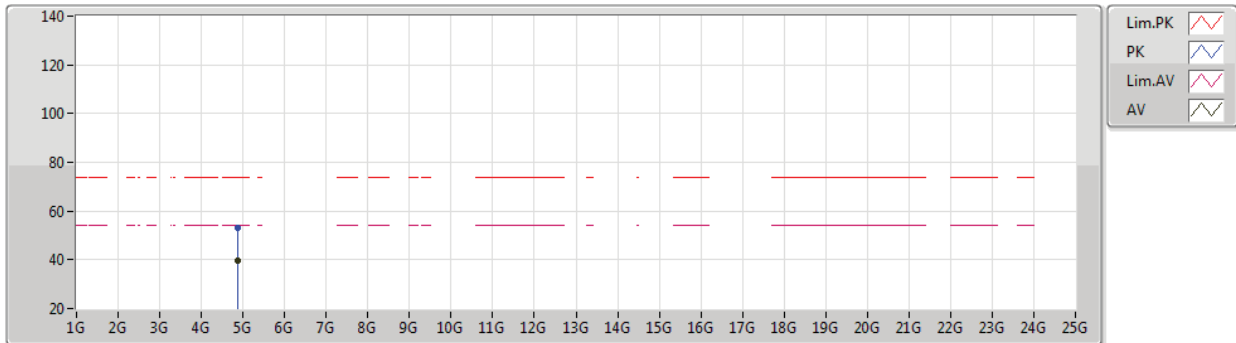


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	48.13	54.00	-5.87	34.97	3	Horizontal	171	1.50	-	13.16	27.64	7.33	-
AV	2.4394G	108.40	Inf	-Inf	34.91	3	Horizontal	171	1.50	-	73.49	27.56	7.35	-
AV	2.4858G	47.07	54.00	-6.93	34.88	3	Horizontal	171	1.50	-	12.19	27.51	7.37	-
PK	2.3454G	60.39	74.00	-13.61	35.16	3	Horizontal	171	1.50	-	25.23	27.82	7.34	-
PK	2.4394G	118.32	Inf	-Inf	34.91	3	Horizontal	171	1.50	-	83.41	27.56	7.35	-
PK	2.4882G	59.71	74.00	-14.29	34.88	3	Horizontal	171	1.50	-	24.83	27.51	7.37	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

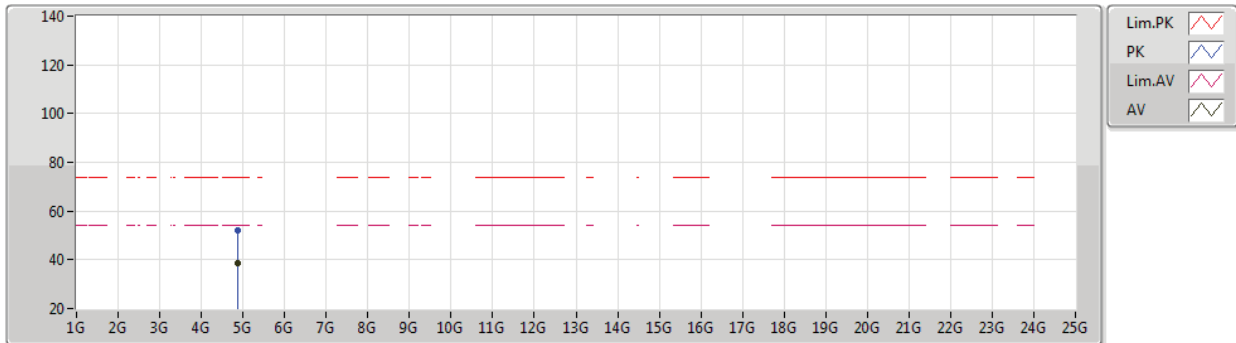


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.868G	39.47	54.00	-14.53	7.02	3	Vertical	145	1.50	-	32.45	31.10	9.97	34.05
PK	4.8848G	52.95	74.00	-21.05	7.04	3	Vertical	145	1.50	-	45.91	31.10	9.99	34.05

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

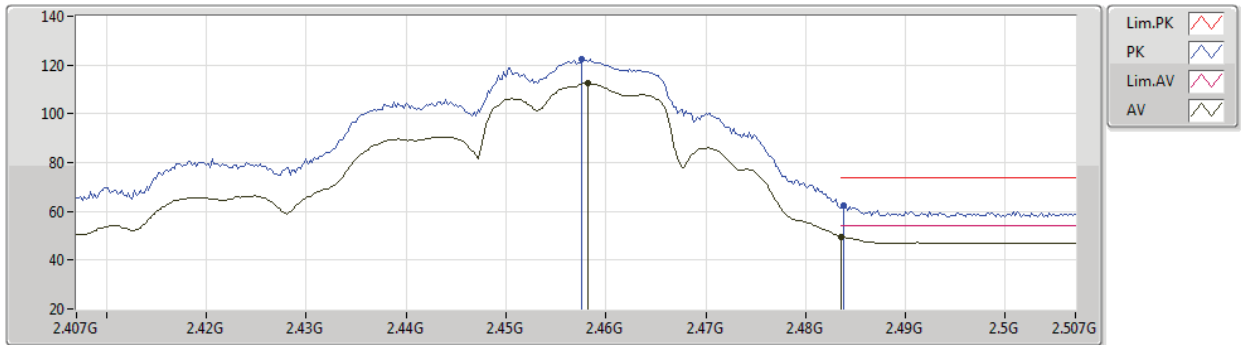


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88126G	38.73	54.00	-15.27	7.03	3	Horizontal	345	2.47	-	31.70	31.10	9.98	34.05
PK	4.88204G	52.03	74.00	-21.97	7.03	3	Horizontal	345	2.47	-	45.00	31.10	9.98	34.05

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2457MHz_TX

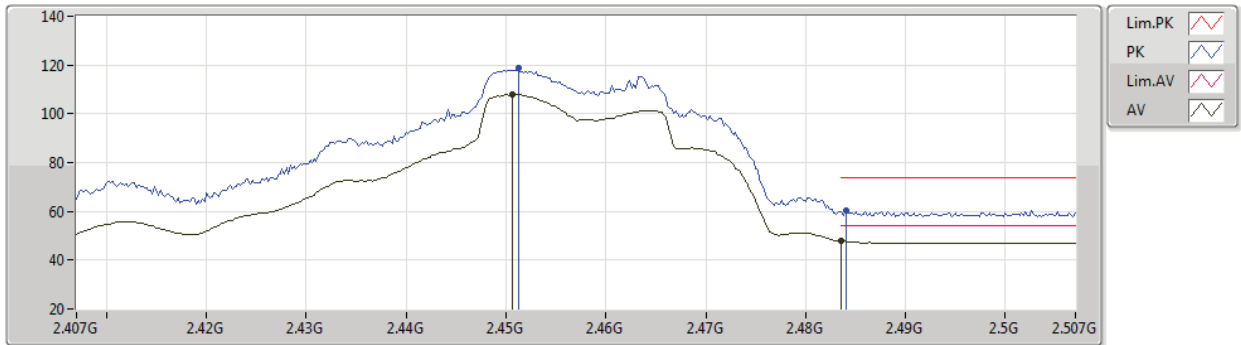


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4582G	112.52	Inf	-Inf	34.90	3	Vertical	35	1.51	-	77.62	27.54	7.36	-
AV	2.4835G	49.71	54.00	-4.29	34.89	3	Vertical	35	1.51	-	14.82	27.52	7.37	-
PK	2.4576G	122.43	Inf	-Inf	34.90	3	Vertical	35	1.51	-	87.53	27.54	7.36	-
PK	2.4838G	62.65	74.00	-11.35	34.89	3	Vertical	35	1.51	-	27.76	27.52	7.37	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2457MHz_TX

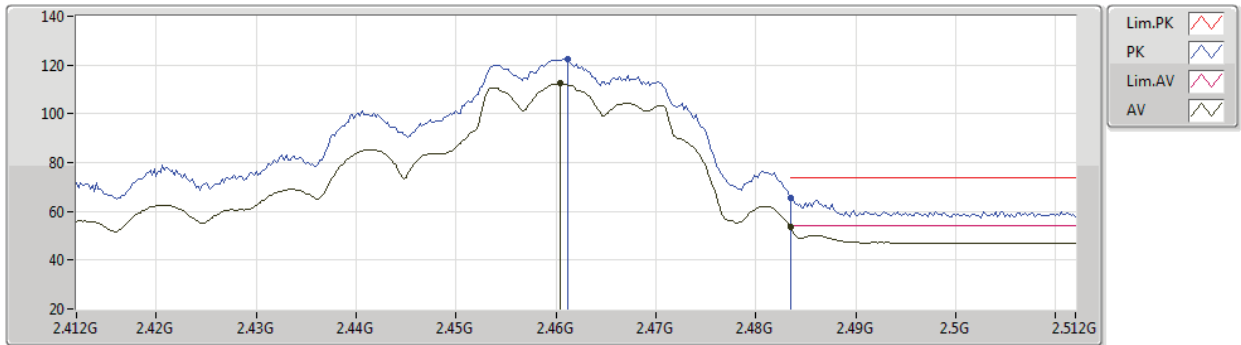


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4506G	107.86	Inf	-Inf	34.90	3	Horizontal	188	1.50	-	72.96	27.55	7.35	-
AV	2.4836G	47.82	54.00	-6.18	34.89	3	Horizontal	188	1.50	-	12.93	27.52	7.37	-
PK	2.4512G	118.73	Inf	-Inf	34.90	3	Horizontal	188	1.50	-	83.83	27.55	7.35	-
PK	2.484G	60.49	74.00	-13.51	34.89	3	Horizontal	188	1.50	-	25.60	27.52	7.37	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

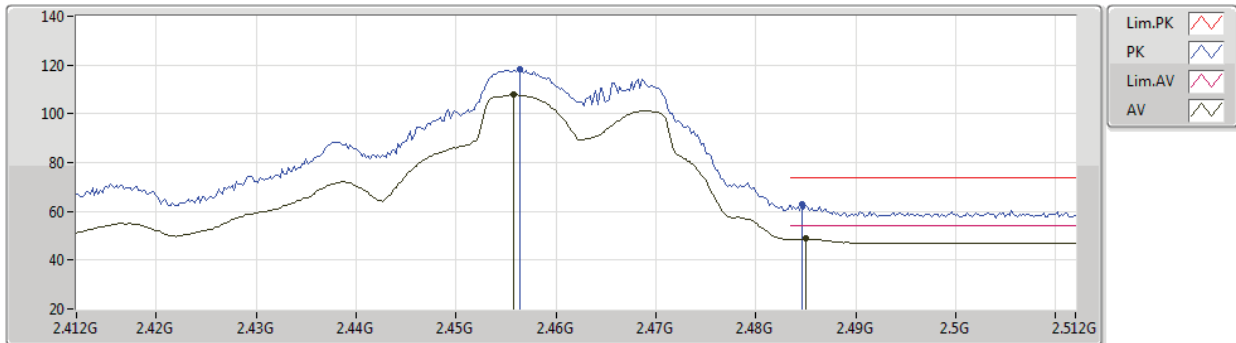


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	24604G	112.54	Inf	-Inf	34.90	3	Vertical	32	2.98	-	77.64	27.54	7.36	-
AV	24835G	53.80	54.00	-0.20	34.89	3	Vertical	32	2.98	-	18.91	27.52	7.37	-
PK	24612G	122.32	Inf	-Inf	34.90	3	Vertical	32	2.98	-	87.42	27.54	7.36	-
PK	24835G	65.37	74.00	-8.63	34.89	3	Vertical	32	2.98	-	30.48	27.52	7.37	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

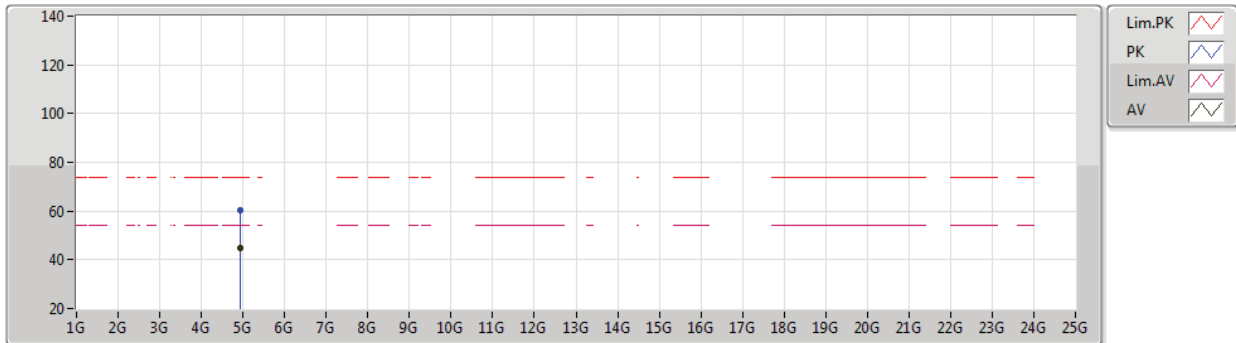


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4558G	107.75	Inf	-Inf	34.90	3	Horizontal	201	1.50	-	72.85	27.54	7.36	-
AV	2.485G	48.88	54.00	-5.12	34.89	3	Horizontal	201	1.50	-	13.99	27.52	7.37	-
PK	2.4564G	118.08	Inf	-Inf	34.90	3	Horizontal	201	1.50	-	83.18	27.54	7.36	-
PK	2.4846G	62.97	74.00	-11.03	34.89	3	Horizontal	201	1.50	-	28.08	27.52	7.37	-

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

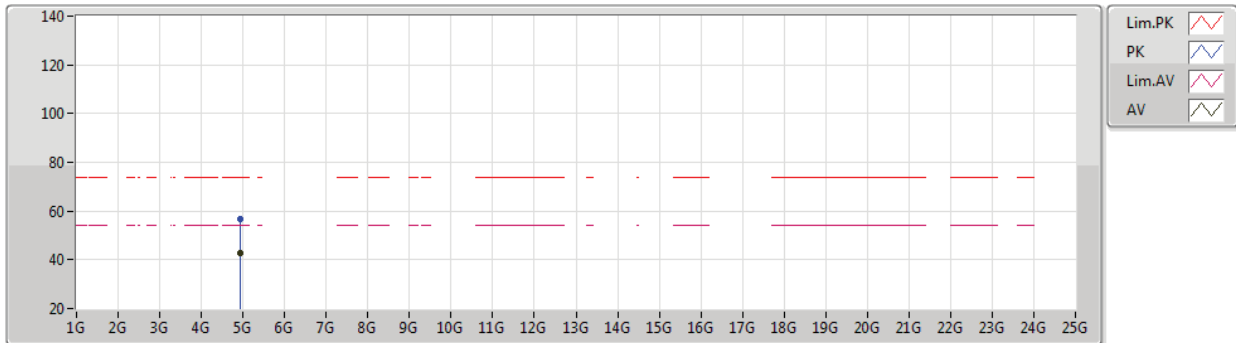


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93678G	44.94	54.00	-9.06	7.23	3	Vertical	132	1.50	-	37.71	31.25	10.03	34.05
PK	4.93666G	60.16	74.00	-13.84	7.23	3	Vertical	132	1.50	-	52.93	31.25	10.03	34.05

VHT20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

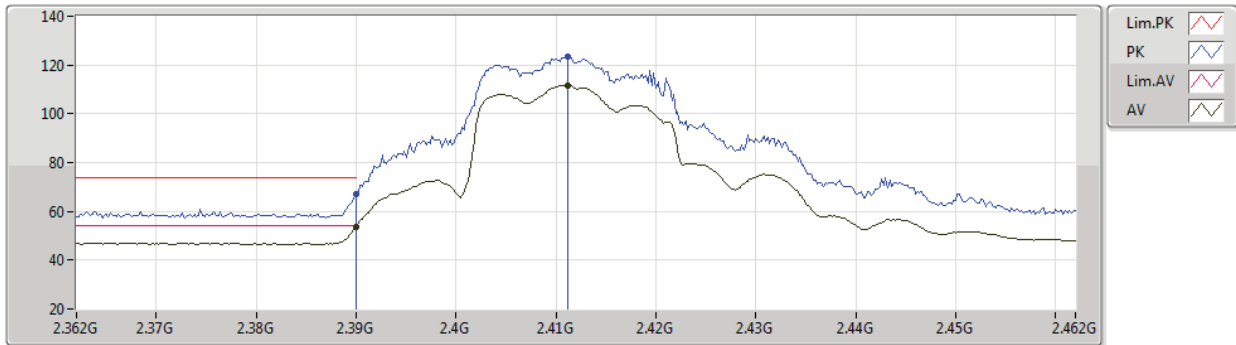


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93168G	42.99	54.00	-11.01	7.20	3	Horizontal	297	1.50	-	35.79	31.23	10.02	34.05
PK	4.93252G	56.53	74.00	-17.47	7.20	3	Horizontal	297	1.50	-	49.33	31.23	10.02	34.05

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

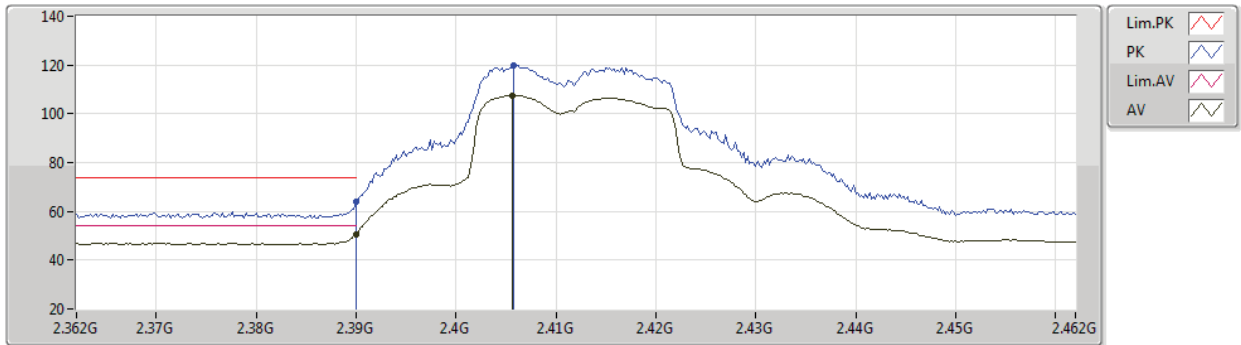


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.68	54.00	-0.32	34.97	3	Vertical	45	2.11	-	18.71	27.64	7.33	-
AV	2.4112G	111.80	Inf	-Inf	34.93	3	Vertical	45	2.11	-	76.87	27.59	7.34	-
PK	2.39G	66.86	74.00	-7.14	34.97	3	Vertical	45	2.11	-	31.89	27.64	7.33	-
PK	2.4112G	123.58	Inf	-Inf	34.93	3	Vertical	45	2.11	-	88.65	27.59	7.34	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

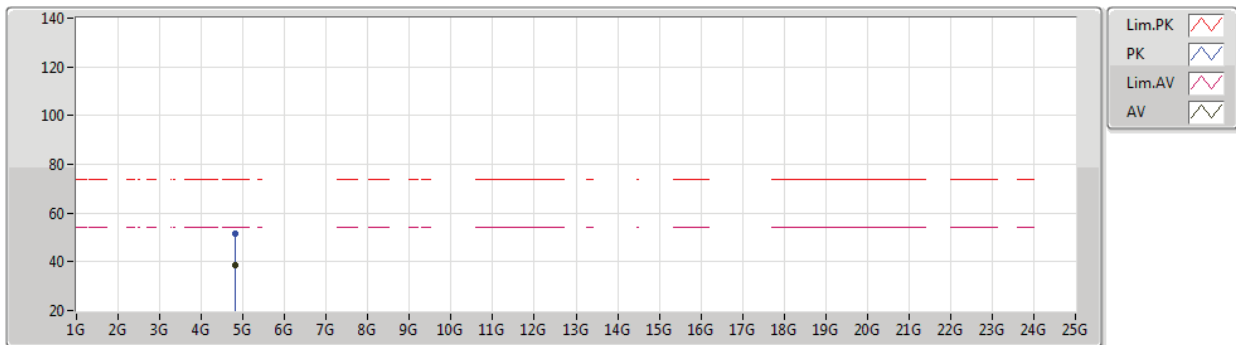


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	50.74	54.00	-3.26	34.97	3	Horizontal	169	1.32	-	15.77	27.64	7.33	-
AV	2.4056G	107.31	Inf	-Inf	34.93	3	Horizontal	169	1.32	-	72.38	27.59	7.34	-
PK	2.39G	63.81	74.00	-10.19	34.97	3	Horizontal	169	1.32	-	28.84	27.64	7.33	-
PK	2.4058G	119.79	Inf	-Inf	34.93	3	Horizontal	169	1.32	-	84.86	27.59	7.34	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

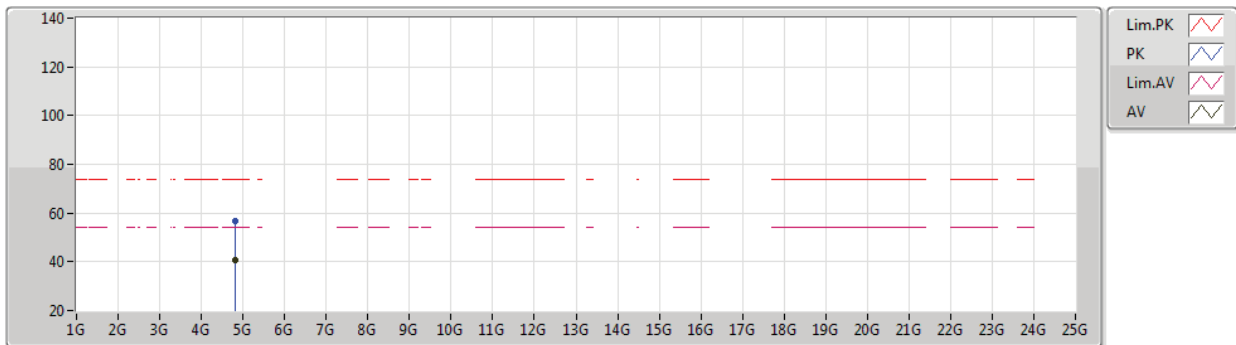


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82364G	38.57	54.00	-15.43	6.99	3	Vertical	127	2.91	-	31.58	31.10	9.94	34.05
PK	4.82342G	51.31	74.00	-22.69	6.99	3	Vertical	127	2.91	-	44.32	31.10	9.94	34.05

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2412MHz_TX

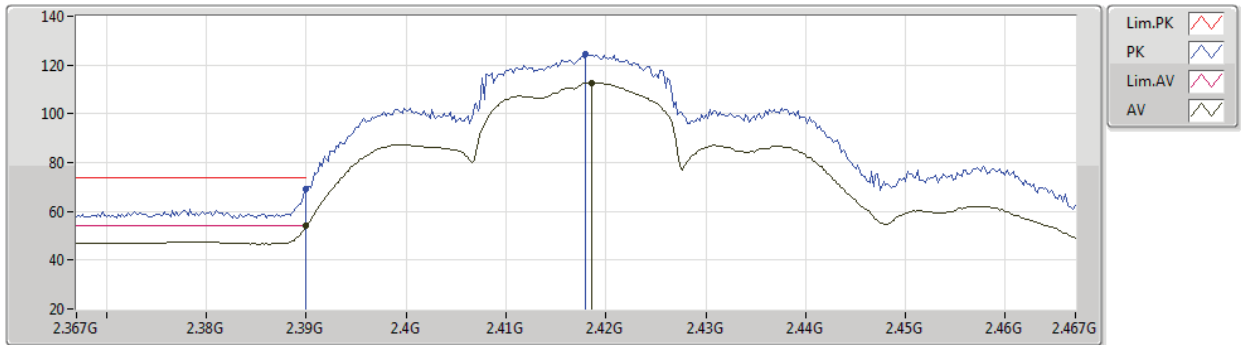


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.81828G	40.65	54.00	-13.35	6.98	3	Horizontal	265	1.48	-	33.67	31.10	9.93	34.05
PK	4.81812G	56.47	74.00	-17.53	6.98	3	Horizontal	265	1.48	-	49.49	31.10	9.93	34.05

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2417MHz_TX

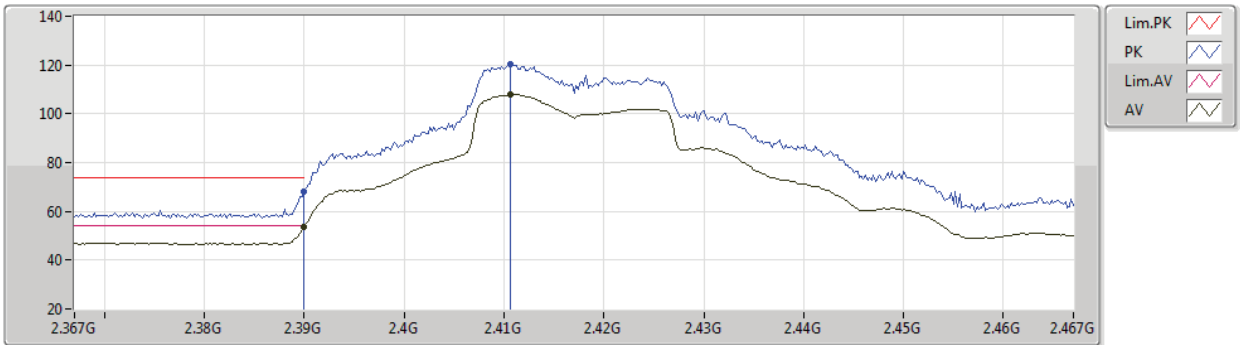


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.88	54.00	-0.12	34.97	3	Vertical	50	1.00	-	18.91	27.64	7.33	-
AV	2.4186G	112.82	Inf	-Inf	34.92	3	Vertical	50	1.00	-	77.90	27.58	7.34	-
PK	2.39G	69.06	74.00	-4.94	34.97	3	Vertical	50	1.00	-	34.09	27.64	7.33	-
PK	2.418G	124.34	Inf	-Inf	34.92	3	Vertical	50	1.00	-	89.42	27.58	7.34	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2417MHz_TX

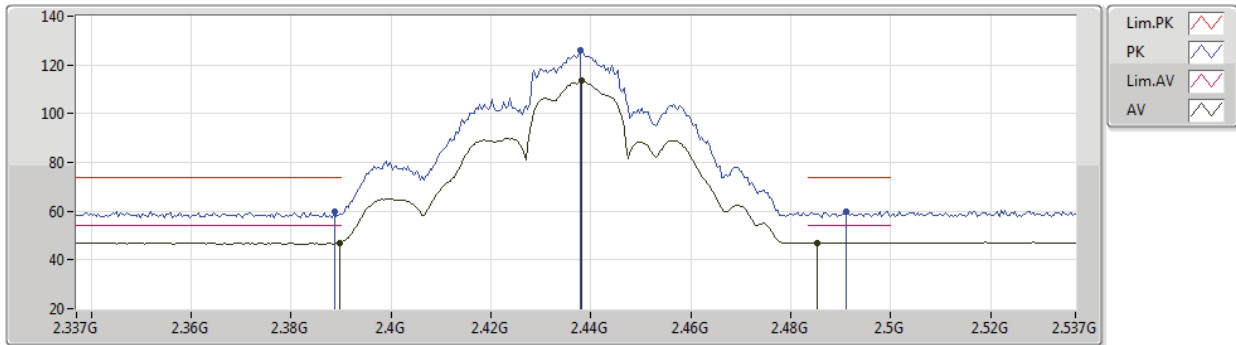


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.62	54.00	-0.38	34.97	3	Horizontal	183	1.50	-	18.65	27.64	7.33	-
AV	2.4106G	107.89	Inf	-Inf	34.93	3	Horizontal	183	1.50	-	72.96	27.59	7.34	-
PK	2.39G	68.03	74.00	-5.97	34.97	3	Horizontal	183	1.50	-	33.06	27.64	7.33	-
PK	2.4106G	120.15	Inf	-Inf	34.93	3	Horizontal	183	1.50	-	85.22	27.59	7.34	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

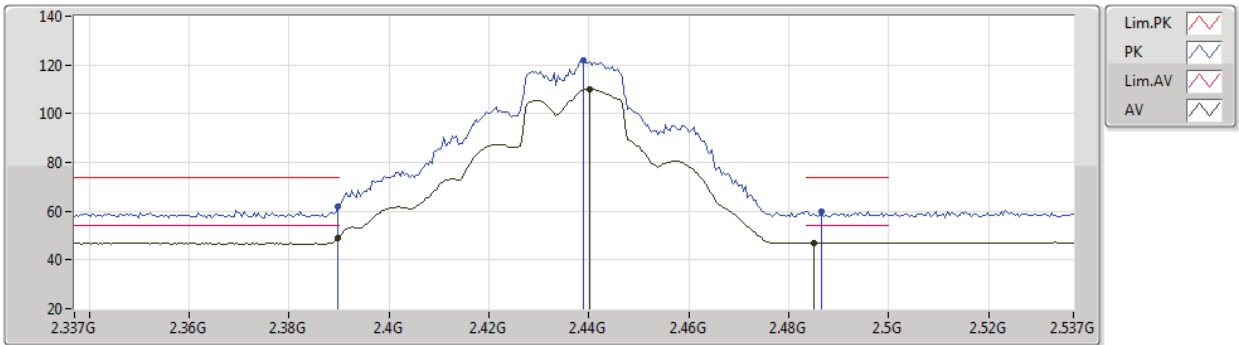


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	47.08	54.00	-6.92	34.97	3	Vertical	46	1.36	-	12.11	27.64	7.33	-
AV	2.4382G	113.37	Inf	-Inf	34.91	3	Vertical	46	1.36	-	78.46	27.56	7.35	-
AV	2.4854G	47.15	54.00	-6.85	34.88	3	Vertical	46	1.36	-	12.27	27.51	7.37	-
PK	2.3886G	60.06	74.00	-13.94	34.98	3	Vertical	46	1.36	-	25.08	27.65	7.33	-
PK	2.4378G	126.00	Inf	-Inf	34.91	3	Vertical	46	1.36	-	91.09	27.56	7.35	-
PK	2.491G	59.88	74.00	-14.12	34.88	3	Vertical	46	1.36	-	25.00	27.51	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

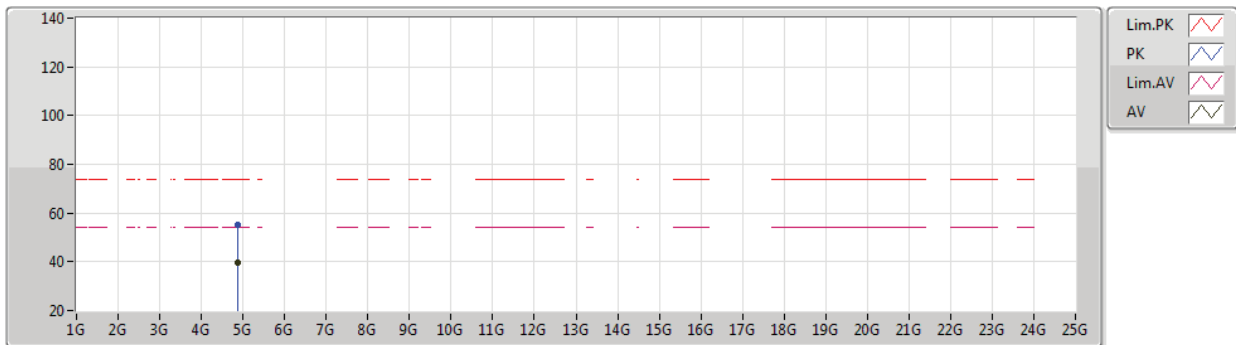


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.11	54.00	-4.89	34.97	3	Horizontal	170	1.50	-	14.14	27.64	7.33	-
AV	2.4402G	110.00	Inf	-Inf	34.91	3	Horizontal	170	1.50	-	75.09	27.56	7.35	-
AV	2.485G	46.99	54.00	-7.01	34.89	3	Horizontal	170	1.50	-	12.10	27.52	7.37	-
PK	2.3898G	61.76	74.00	-12.24	34.97	3	Horizontal	170	1.50	-	26.79	27.64	7.33	-
PK	2.439G	121.71	Inf	-Inf	34.91	3	Horizontal	170	1.50	-	86.80	27.56	7.35	-
PK	2.4866G	59.73	74.00	-14.27	34.88	3	Horizontal	170	1.50	-	24.85	27.51	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

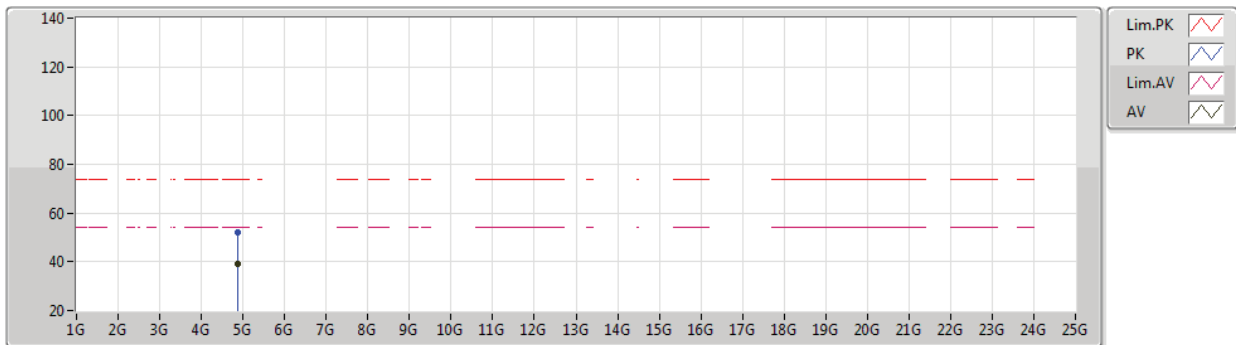


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.88576G	55.23	74.00	-18.77	7.04	3	Vertical	148	1.50	-	48.19	31.10	9.99	34.05
AV	4.88348G	39.91	54.00	-14.09	7.03	3	Vertical	148	1.50	-	32.88	31.10	9.98	34.05

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

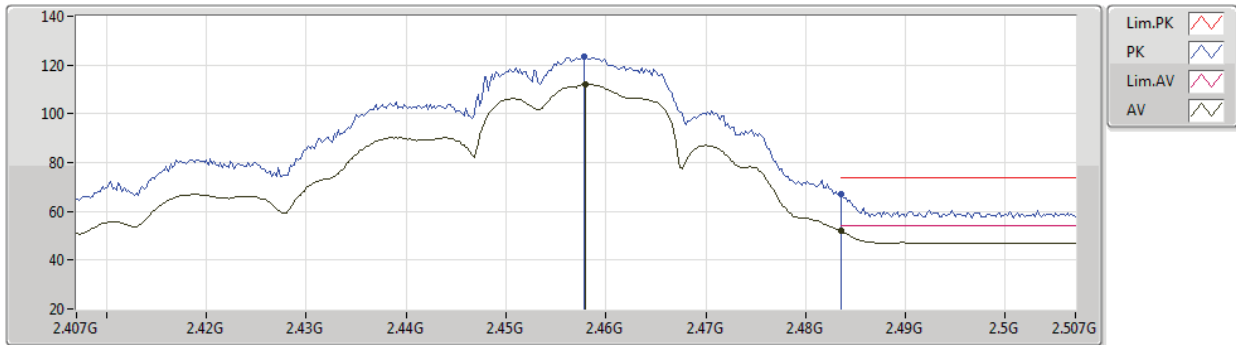


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87712G	39.18	54.00	-14.82	7.03	3	Horizontal	326	1.50	-	32.15	31.10	9.98	34.05
PK	4.8758G	52.18	74.00	-21.82	7.03	3	Horizontal	326	1.50	-	45.15	31.10	9.98	34.05

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2457MHz_TX

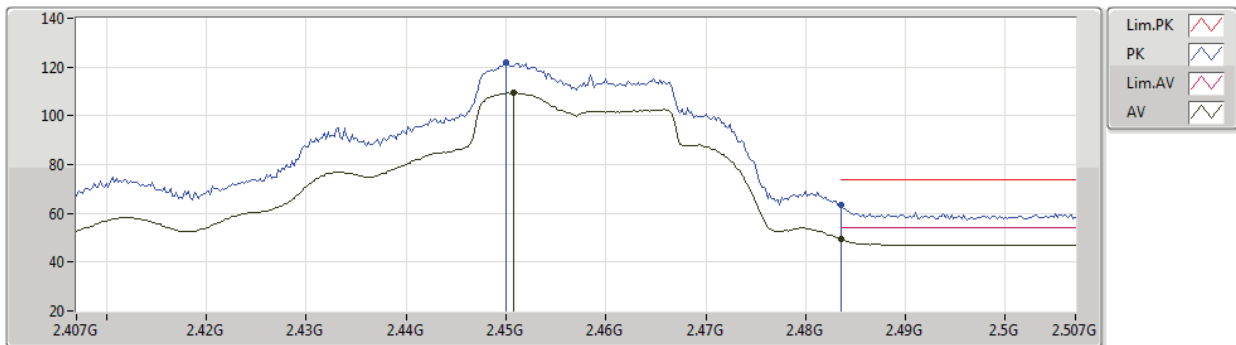


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.458G	112.28	Inf	-Inf	34.90	3	Vertical	38	1.50	-	77.38	27.54	7.36	-
AV	2.4835G	52.28	54.00	-1.72	34.89	3	Vertical	38	1.50	-	17.39	27.52	7.37	-
PK	2.4578G	123.34	Inf	-Inf	34.90	3	Vertical	38	1.50	-	88.44	27.54	7.36	-
PK	2.4835G	67.22	74.00	-6.78	34.89	3	Vertical	38	1.50	-	32.33	27.52	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2457MHz_TX

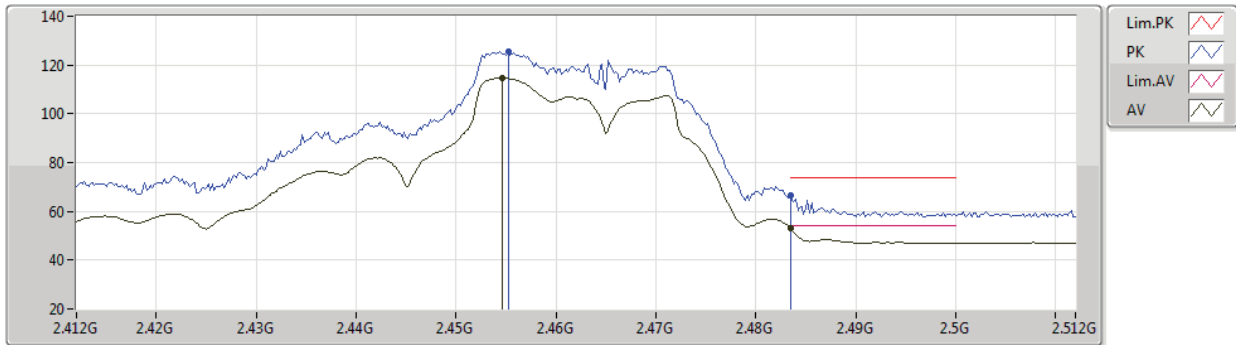


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4508G	109.40	Inf	-Inf	34.90	3	Horizontal	185	1.66	-	74.50	27.55	7.35	-
AV	2.4835G	49.50	54.00	-4.50	34.89	3	Horizontal	185	1.66	-	14.61	27.52	7.37	-
PK	2.45G	121.69	Inf	-Inf	34.90	3	Horizontal	185	1.66	-	86.79	27.55	7.35	-
PK	2.4835G	63.41	74.00	-10.59	34.89	3	Horizontal	185	1.66	-	28.52	27.52	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

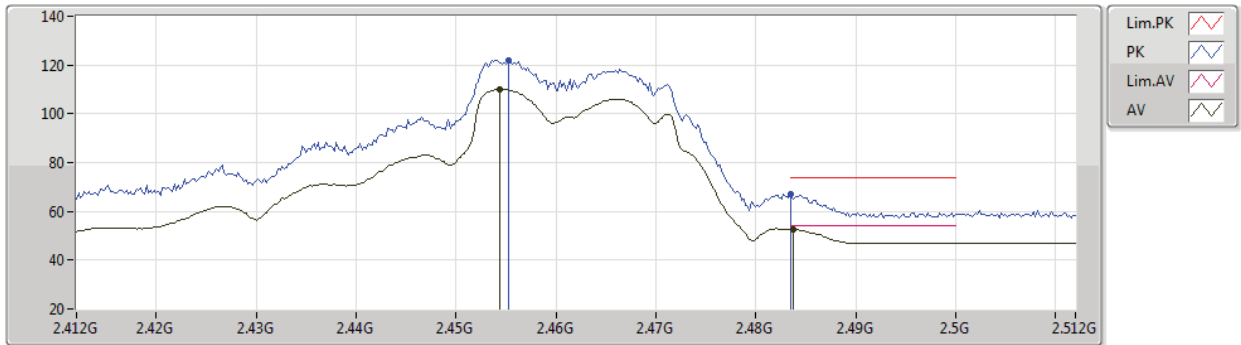


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4546G	114.73	Inf	-Inf	34.90	3	Vertical	76	2.05	-	79.83	27.55	7.35	-
AV	2.4835G	53.19	54.00	-0.81	34.89	3	Vertical	76	2.05	-	18.30	27.52	7.37	-
PK	2.4552G	125.67	Inf	-Inf	34.90	3	Vertical	76	2.05	-	90.77	27.54	7.36	-
PK	2.4835G	66.43	74.00	-7.57	34.89	3	Vertical	76	2.05	-	31.54	27.52	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

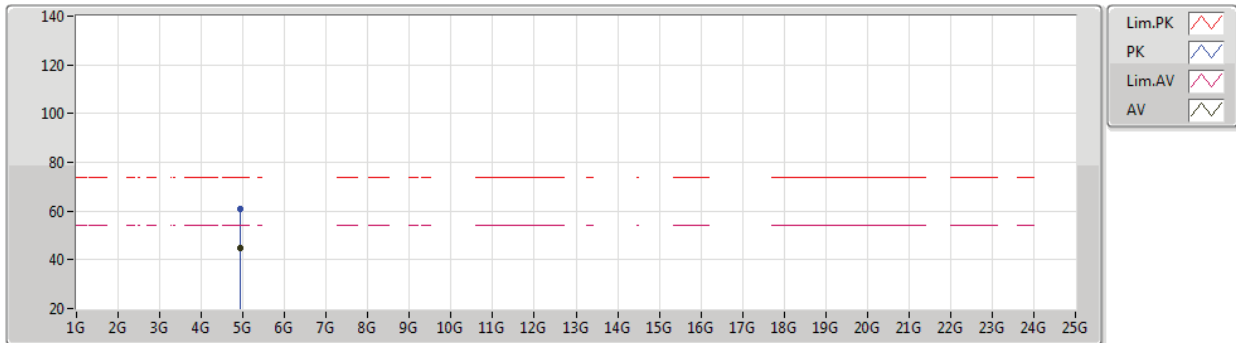


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4544G	110.08	Inf	-Inf	34.90	3	Horizontal	99	2.22	-	75.18	27.55	7.35	-
AV	2.4838G	52.51	54.00	-1.49	34.89	3	Horizontal	99	2.22	-	17.62	27.52	7.37	-
PK	2.4552G	121.99	Inf	-Inf	34.90	3	Horizontal	99	2.22	-	87.09	27.54	7.36	-
PK	2.4835G	66.95	74.00	-7.05	34.89	3	Horizontal	99	2.22	-	32.06	27.52	7.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

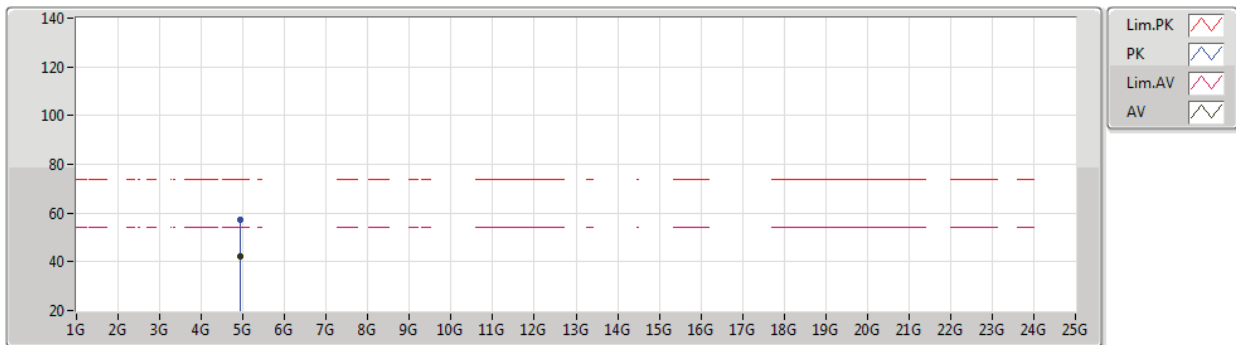


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93708G	44.91	54.00	-9.09	7.23	3	Vertical	122	1.86	-	37.68	31.25	10.03	34.05
PK	4.93882G	60.64	74.00	-13.36	7.24	3	Vertical	122	1.86	-	53.40	31.26	10.03	34.05

802.11ax HEW20_Nss1,(MCS0)_4TX

10/01/2020

2462MHz_TX

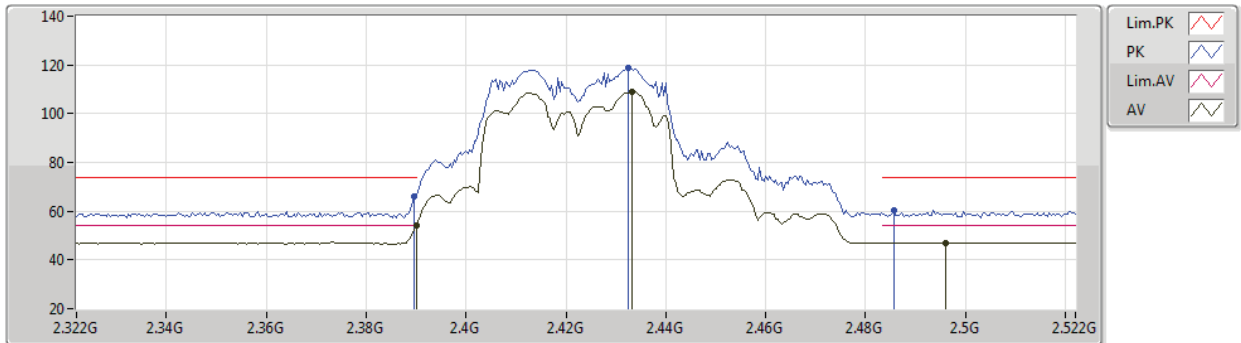


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9206G	42.46	54.00	-11.54	7.14	3	Horizontal	274	1.50	-	35.32	31.18	10.01	34.05
PK	4.9403G	57.37	74.00	-16.63	7.24	3	Horizontal	274	1.50	-	50.13	31.26	10.03	34.05

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

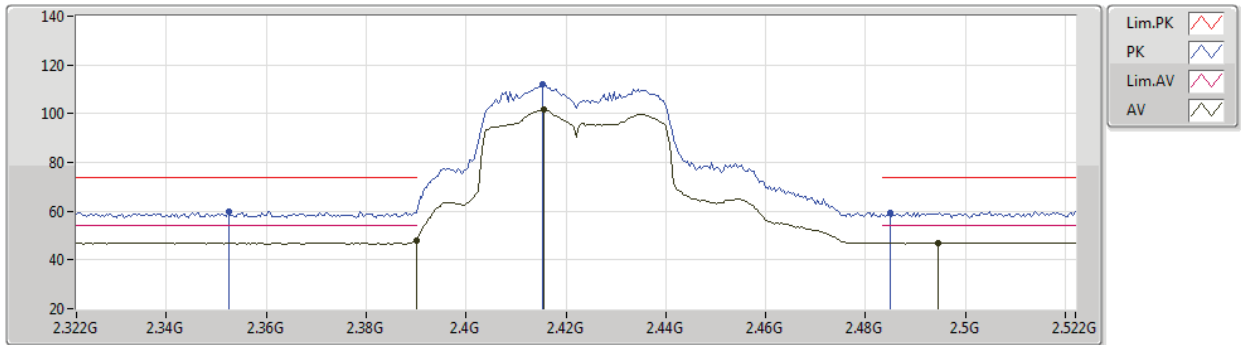


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.91	54.00	-0.09	34.97	3	Vertical	61	3.00	-	18.94	27.64	7.33	-
AV	2.4332G	109.07	Inf	-Inf	34.92	3	Vertical	61	3.00	-	74.15	27.57	7.35	-
AV	2.496G	47.12	54.00	-6.88	34.87	3	Vertical	61	3.00	-	12.25	27.50	7.37	-
PK	2.3896G	66.12	74.00	-7.88	34.97	3	Vertical	61	3.00	-	31.15	27.64	7.33	-
PK	2.4324G	118.56	Inf	-Inf	34.92	3	Vertical	61	3.00	-	83.64	27.57	7.35	-
PK	2.4856G	60.51	74.00	-13.49	34.88	3	Vertical	61	3.00	-	25.63	27.51	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

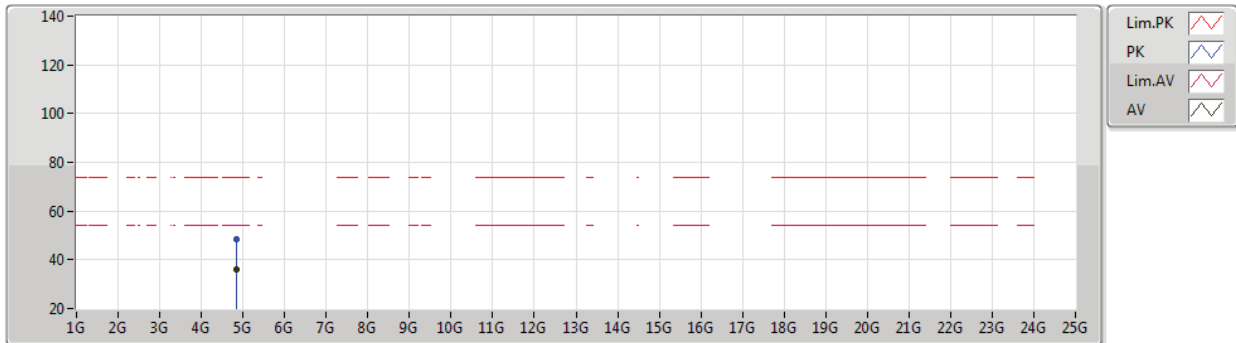


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	48.18	54.00	-5.82	34.97	3	Horizontal	183	1.50	-	13.21	27.64	7.33	-
AV	2.4156G	101.54	Inf	-Inf	34.92	3	Horizontal	183	1.50	-	66.62	27.58	7.34	-
AV	2.4944G	47.09	54.00	-6.91	34.88	3	Horizontal	183	1.50	-	12.21	27.51	7.37	-
PK	2.3524G	59.67	74.00	-14.33	35.13	3	Horizontal	183	1.50	-	24.54	27.79	7.34	-
PK	2.4152G	111.83	Inf	-Inf	34.92	3	Horizontal	183	1.50	-	76.91	27.58	7.34	-
PK	2.4848G	59.47	74.00	-14.53	34.89	3	Horizontal	183	1.50	-	24.58	27.52	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

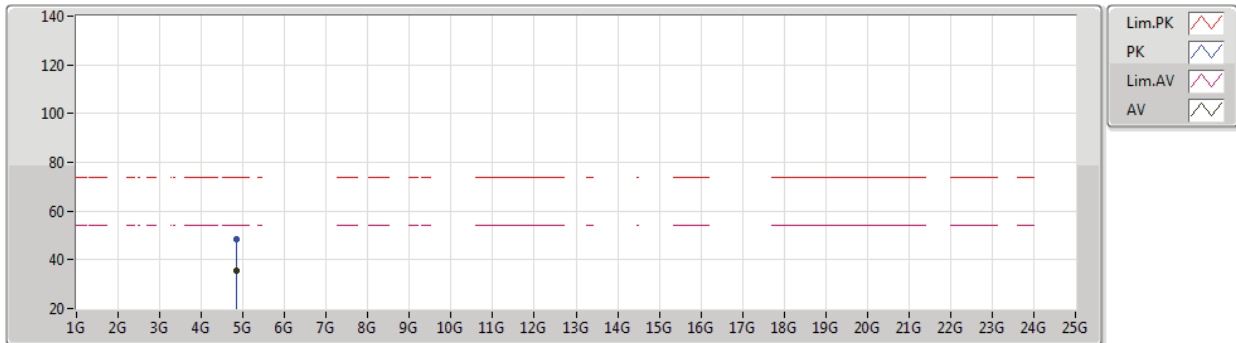


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.839G	35.84	54.00	-18.16	7.00	3	Vertical	209	1.29	-	28.84	31.10	9.95	34.05
PK	4.8488G	48.61	74.00	-25.39	7.01	3	Vertical	209	1.29	-	41.60	31.10	9.96	34.05

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

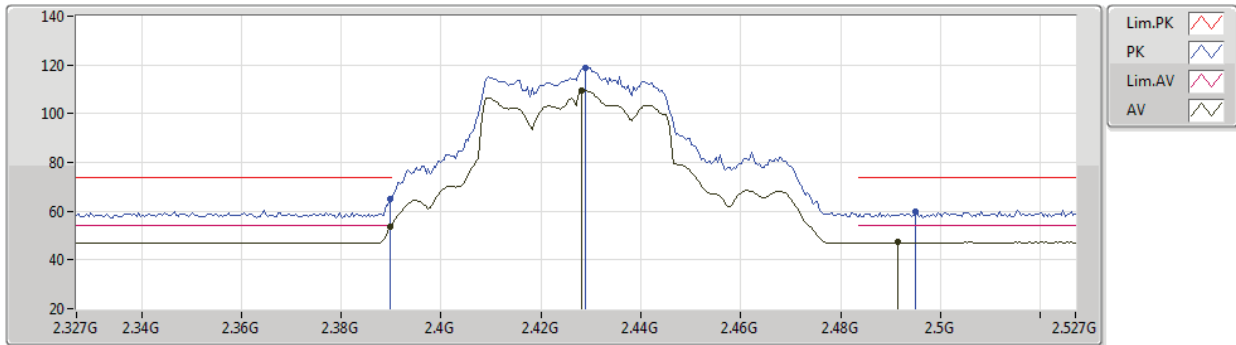


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.83966G	35.71	54.00	-18.29	7.00	3	Horizontal	260	1.50	-	28.71	31.10	9.95	34.05
PK	4.8406G	48.27	74.00	-25.73	7.00	3	Horizontal	260	1.50	-	41.27	31.10	9.95	34.05

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2427MHz_TX

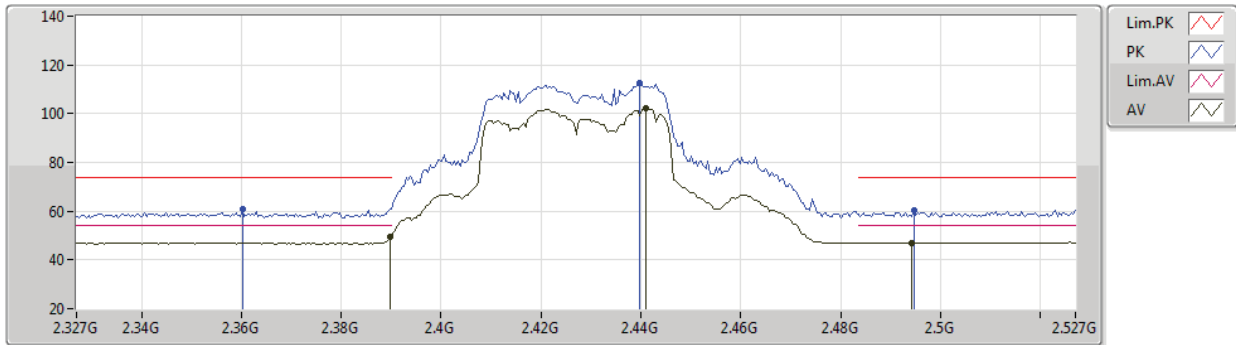


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.39	54.00	-0.61	34.97	3	Vertical	98	1.00	-	18.42	27.64	7.33	-
AV	2.4282G	109.54	Inf	-Inf	34.91	3	Vertical	98	1.00	-	74.63	27.57	7.34	-
AV	2.4914G	47.18	54.00	-6.82	34.88	3	Vertical	98	1.00	-	12.30	27.51	7.37	-
PK	2.3898G	65.02	74.00	-8.98	34.97	3	Vertical	98	1.00	-	30.05	27.64	7.33	-
PK	2.429G	119.00	Inf	-Inf	34.91	3	Vertical	98	1.00	-	84.09	27.57	7.34	-
PK	2.495G	59.67	74.00	-14.33	34.87	3	Vertical	98	1.00	-	24.80	27.50	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2427MHz_TX

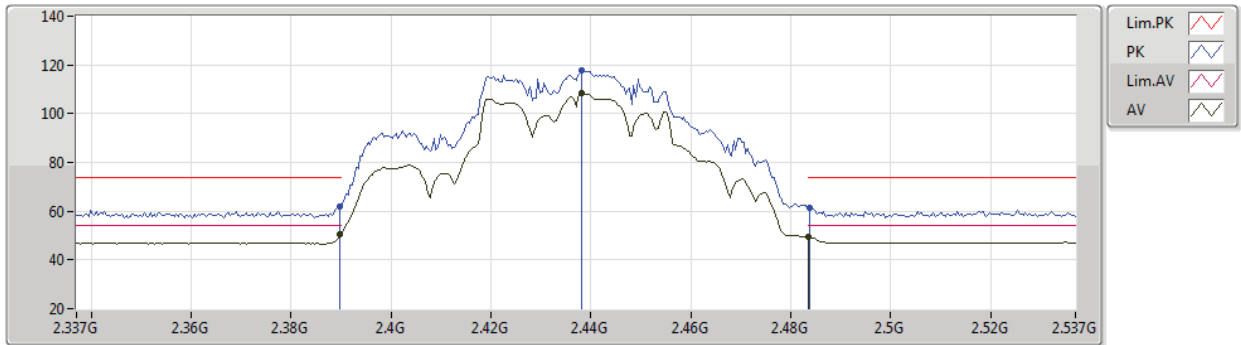


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.40	54.00	-4.60	34.97	3	Horizontal	169	1.50	-	14.43	27.64	7.33	-
AV	2.441G	102.01	Inf	-Inf	34.91	3	Horizontal	169	1.50	-	67.10	27.56	7.35	-
AV	2.4942G	46.95	54.00	-7.05	34.88	3	Horizontal	169	1.50	-	12.07	27.51	7.37	-
PK	2.3602G	60.99	74.00	-13.01	35.10	3	Horizontal	169	1.50	-	25.89	27.76	7.34	-
PK	2.4398G	112.41	Inf	-Inf	34.91	3	Horizontal	169	1.50	-	77.50	27.56	7.35	-
PK	2.4946G	60.20	74.00	-13.80	34.88	3	Horizontal	169	1.50	-	25.32	27.51	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

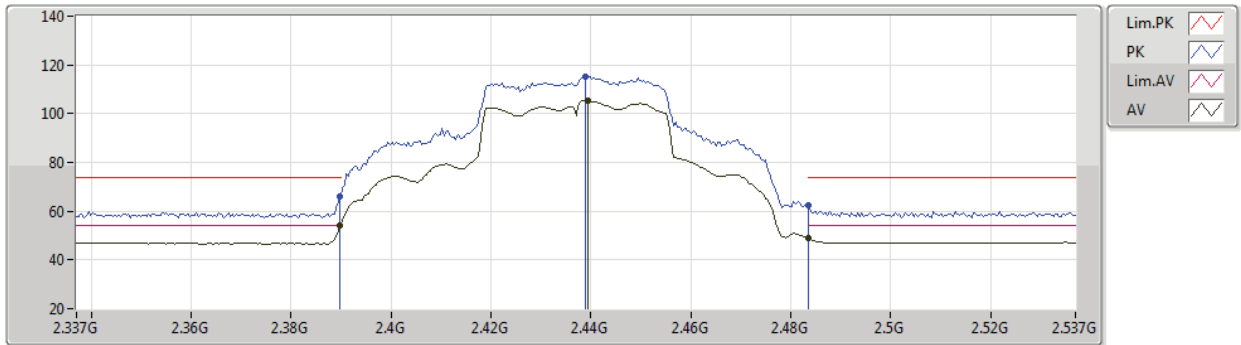


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.58	54.00	-3.42	34.97	3	Vertical	28	1.50	-	15.61	27.64	7.33	-
AV	2.4382G	108.54	Inf	-Inf	34.91	3	Vertical	28	1.50	-	73.63	27.56	7.35	-
AV	2.4835G	49.63	54.00	-4.37	34.89	3	Vertical	28	1.50	-	14.74	27.52	7.37	-
PK	2.3898G	62.05	74.00	-11.95	34.97	3	Vertical	28	1.50	-	27.08	27.64	7.33	-
PK	2.4382G	117.56	Inf	-Inf	34.91	3	Vertical	28	1.50	-	82.65	27.56	7.35	-
PK	2.4838G	61.53	74.00	-12.47	34.89	3	Vertical	28	1.50	-	26.64	27.52	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

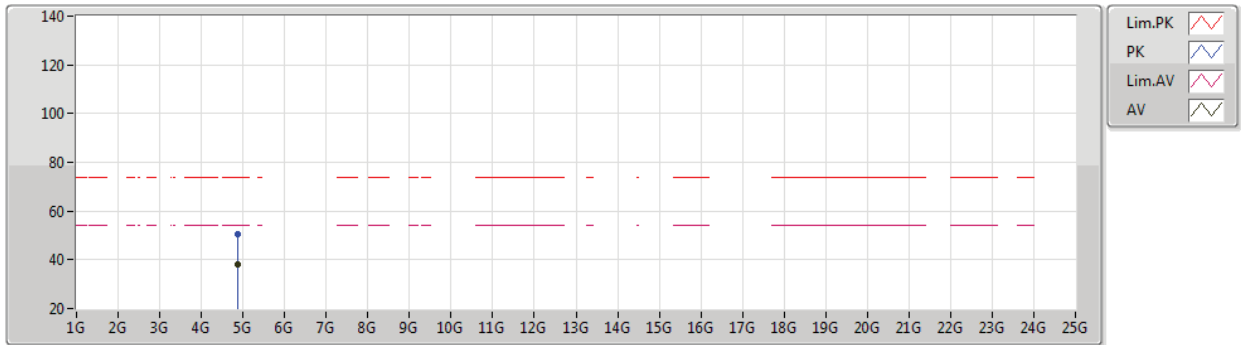


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.98	54.00	-0.02	34.97	3	Horizontal	171	1.50	-	19.01	27.64	7.33	-
AV	2.4394G	105.29	Inf	-Inf	34.91	3	Horizontal	171	1.50	-	70.38	27.56	7.35	-
AV	2.4835G	48.89	54.00	-5.11	34.89	3	Horizontal	171	1.50	-	14.00	27.52	7.37	-
PK	2.3898G	66.16	74.00	-7.84	34.97	3	Horizontal	171	1.50	-	31.19	27.64	7.33	-
PK	2.439G	114.97	Inf	-Inf	34.91	3	Horizontal	171	1.50	-	80.06	27.56	7.35	-
PK	2.4835G	62.21	74.00	-11.79	34.89	3	Horizontal	171	1.50	-	27.32	27.52	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

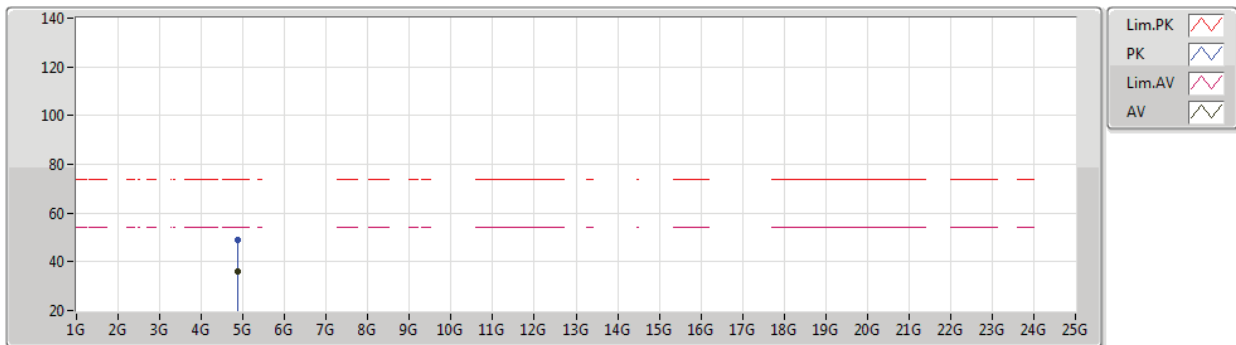


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88516G	37.94	54.00	-16.06	7.04	3	Vertical	145	1.50	-	30.90	31.10	9.99	34.05
PK	4.88612G	50.67	74.00	-23.33	7.04	3	Vertical	145	1.50	-	43.63	31.10	9.99	34.05

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

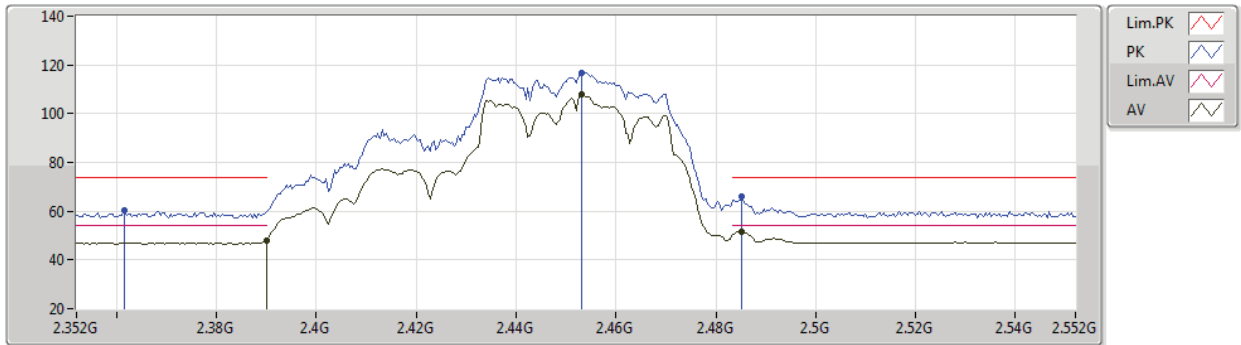


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88072G	36.17	54.00	-17.83	7.03	3	Horizontal	282	1.50	-	29.14	31.10	9.98	34.05
PK	4.88144G	48.75	74.00	-25.25	7.03	3	Horizontal	282	1.50	-	41.72	31.10	9.98	34.05

VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

10/01/2020

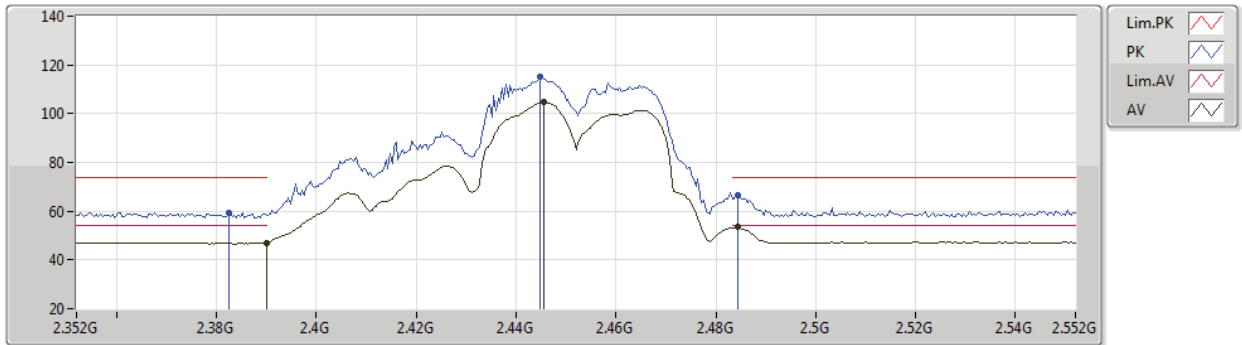


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	48.17	54.00	-5.83	34.97	3	Vertical	30	1.50	-	13.20	27.64	7.33	-
AV	2.4532G	107.73	Inf	-Inf	34.90	3	Vertical	30	1.50	-	72.83	27.55	7.35	-
AV	2.4852G	51.78	54.00	-2.22	34.88	3	Vertical	30	1.50	-	16.90	27.51	7.37	-
PK	2.3616G	60.22	74.00	-13.78	35.09	3	Vertical	30	1.50	-	25.13	27.75	7.34	-
PK	2.4532G	116.76	Inf	-Inf	34.90	3	Vertical	30	1.50	-	81.86	27.55	7.35	-
PK	2.4852G	66.25	74.00	-7.75	34.88	3	Vertical	30	1.50	-	31.37	27.51	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2452MHz_TX

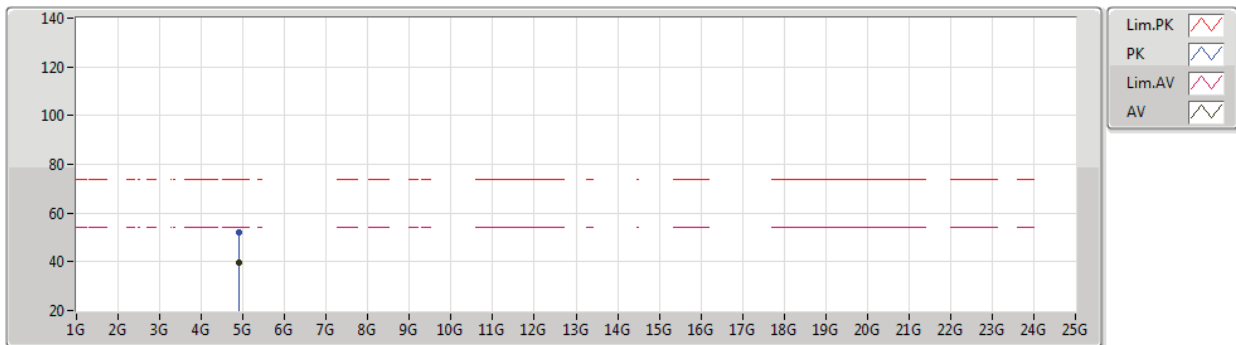


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	47.11	54.00	-6.89	34.97	3	Horizontal	204	1.50	-	12.14	27.64	7.33	-
AV	2.4456G	104.71	Inf	-Inf	34.90	3	Horizontal	204	1.50	-	69.81	27.55	7.35	-
AV	2.4844G	53.47	54.00	-0.53	34.89	3	Horizontal	204	1.50	-	18.58	27.52	7.37	-
PK	2.3824G	59.55	74.00	-14.45	35.00	3	Horizontal	204	1.50	-	24.55	27.67	7.33	-
PK	2.4448G	115.18	Inf	-Inf	34.91	3	Horizontal	204	1.50	-	80.27	27.56	7.35	-
PK	2.4844G	66.42	74.00	-7.58	34.89	3	Horizontal	204	1.50	-	31.53	27.52	7.37	-

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2452MHz_TX

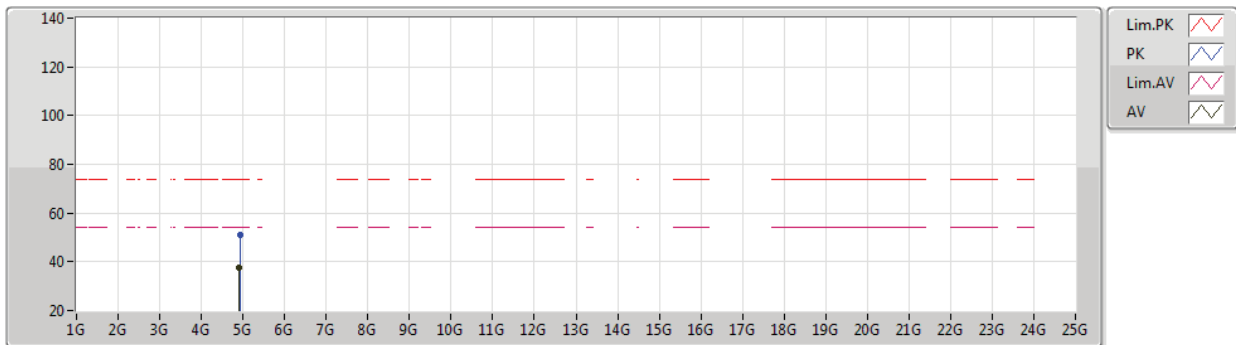


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.917G	39.69	54.00	-14.31	7.13	3	Vertical	134	1.55	-	32.56	31.17	10.01	34.05
PK	4.9171G	51.90	74.00	-22.10	7.13	3	Vertical	134	1.55	-	44.77	31.17	10.01	34.05

VHT40_Nss1,(MCS0)_4TX

10/01/2020

2452MHz_TX

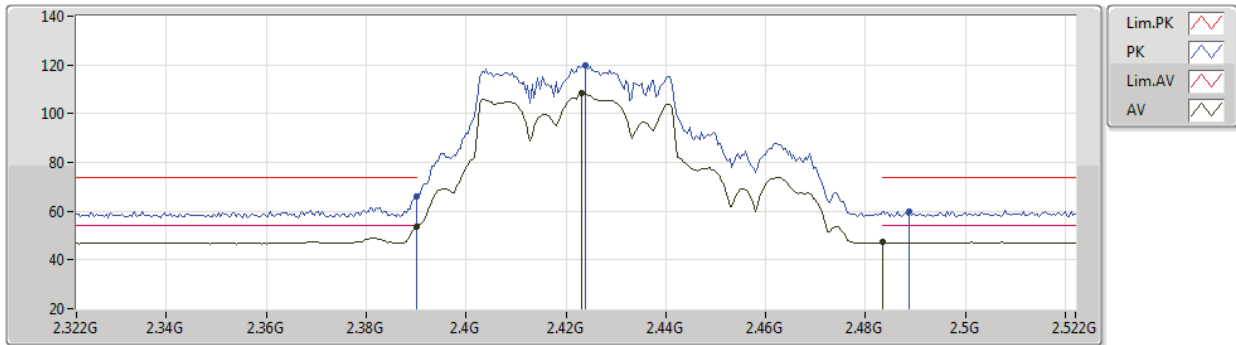


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9192G	37.75	54.00	-16.25	7.14	3	Horizontal	272	1.50	-	30.61	31.18	10.01	34.05
PK	4.9211G	50.91	74.00	-23.09	7.14	3	Horizontal	272	1.50	-	43.77	31.18	10.01	34.05

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

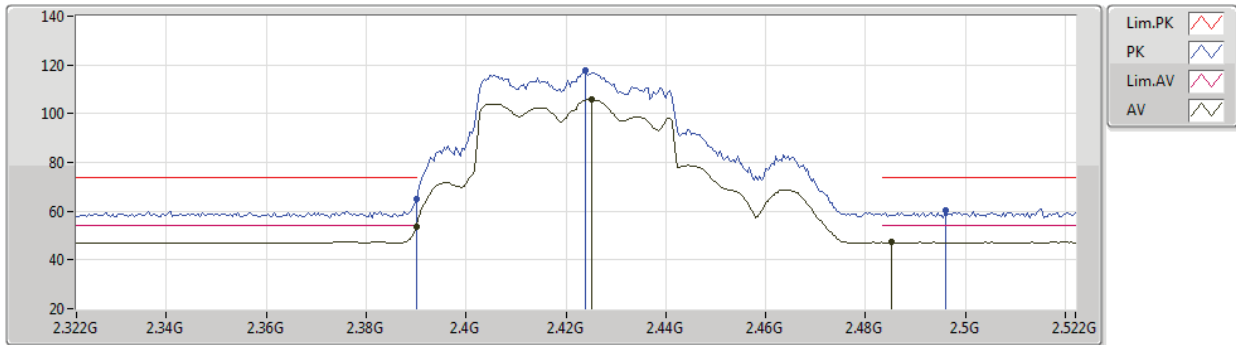


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.77	54.00	-0.23	34.97	3	Vertical	26	1.50	-	18.80	27.64	7.33	-
AV	2.4232G	108.25	Inf	-Inf	34.92	3	Vertical	26	1.50	-	73.33	27.58	7.34	-
AV	2.4835G	47.16	54.00	-6.84	34.89	3	Vertical	26	1.50	-	12.27	27.52	7.37	-
PK	2.39G	66.23	74.00	-7.77	34.97	3	Vertical	26	1.50	-	31.26	27.64	7.33	-
PK	2.424G	119.72	Inf	-Inf	34.92	3	Vertical	26	1.50	-	84.80	27.58	7.34	-
PK	2.4888G	59.98	74.00	-14.02	34.88	3	Vertical	26	1.50	-	25.10	27.51	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

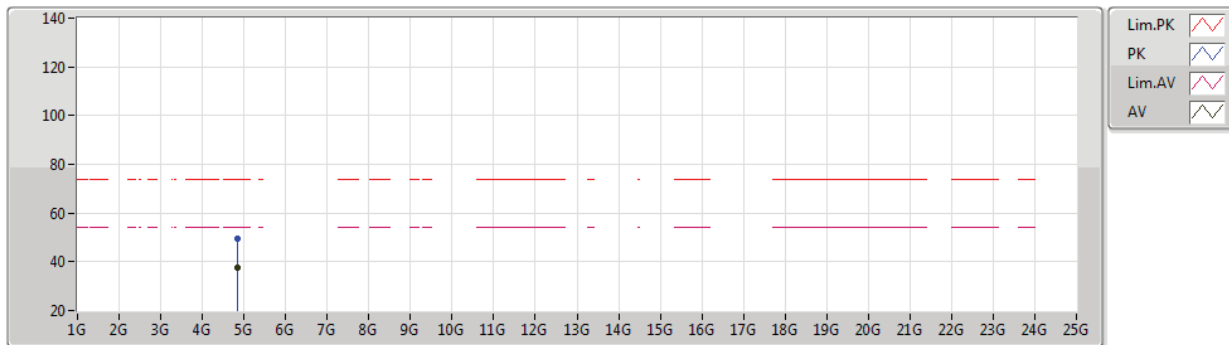


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.66	54.00	-0.34	34.97	3	Horizontal	150	1.50	-	18.69	27.64	7.33	-
AV	2.4252G	105.79	Inf	-Inf	34.91	3	Horizontal	150	1.50	-	70.88	27.57	7.34	-
AV	2.4852G	47.22	54.00	-6.78	34.88	3	Horizontal	150	1.50	-	12.34	27.51	7.37	-
PK	2.39G	64.81	74.00	-9.19	34.97	3	Horizontal	150	1.50	-	29.84	27.64	7.33	-
PK	2.424G	117.85	Inf	-Inf	34.92	3	Horizontal	150	1.50	-	82.93	27.58	7.34	-
PK	2.496G	60.11	74.00	-13.89	34.87	3	Horizontal	150	1.50	-	25.24	27.50	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

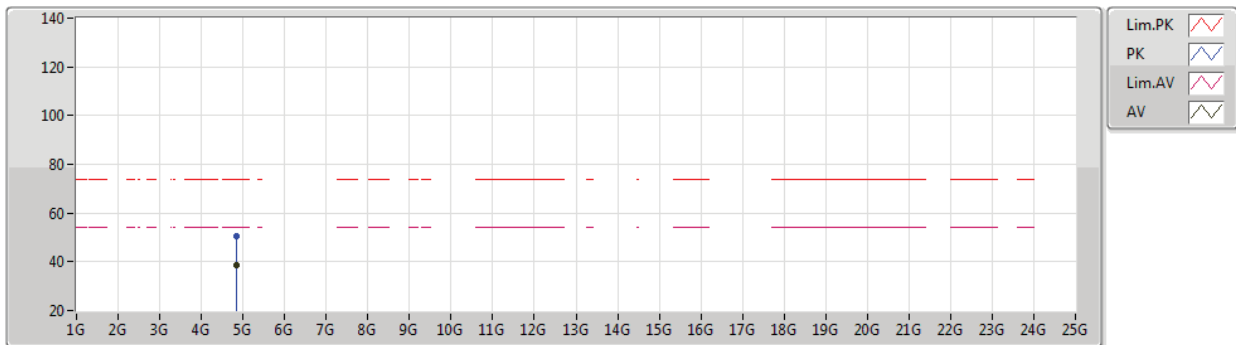


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8362G	37.41	54.00	-16.59	7.00	3	Vertical	99	1.50	-	30.41	31.10	9.95	34.05
PK	4.8354G	49.24	74.00	-24.76	7.00	3	Vertical	99	1.50	-	42.24	31.10	9.95	34.05

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2422MHz_TX

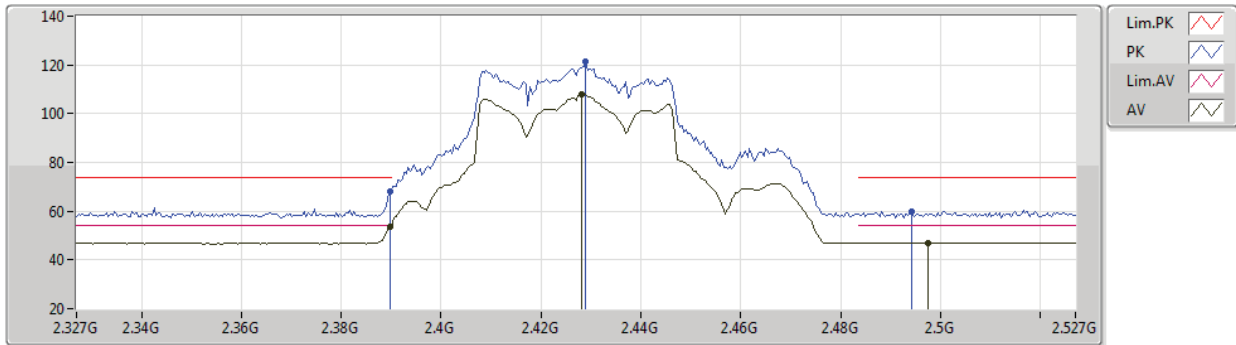


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8387G	38.38	54.00	-15.62	7.00	3	Horizontal	262	1.49	-	31.38	31.10	9.95	34.05
PK	4.8372G	50.49	74.00	-23.51	7.00	3	Horizontal	262	1.49	-	43.49	31.10	9.95	34.05

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2427MHz_TX

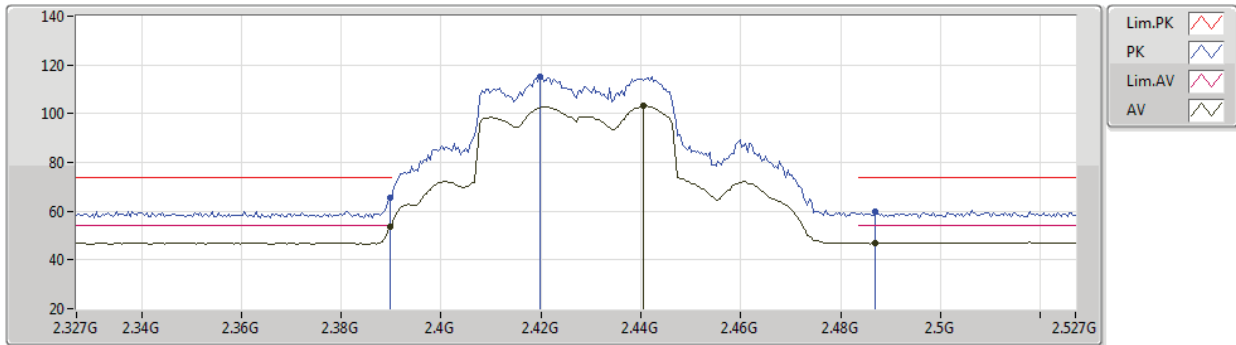


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.80	54.00	-0.20	34.97	3	Vertical	92	1.50	-	18.83	27.64	7.33	-
AV	2.4282G	107.85	Inf	-Inf	34.91	3	Vertical	92	1.50	-	72.94	27.57	7.34	-
AV	2.4974G	47.03	54.00	-6.97	34.87	3	Vertical	92	1.50	-	12.16	27.50	7.37	-
PK	2.3898G	68.30	74.00	-5.70	34.97	3	Vertical	92	1.50	-	33.33	27.64	7.33	-
PK	2.429G	121.15	Inf	-Inf	34.91	3	Vertical	92	1.50	-	86.24	27.57	7.34	-
PK	2.4942G	59.93	74.00	-14.07	34.88	3	Vertical	92	1.50	-	25.05	27.51	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2427MHz_TX

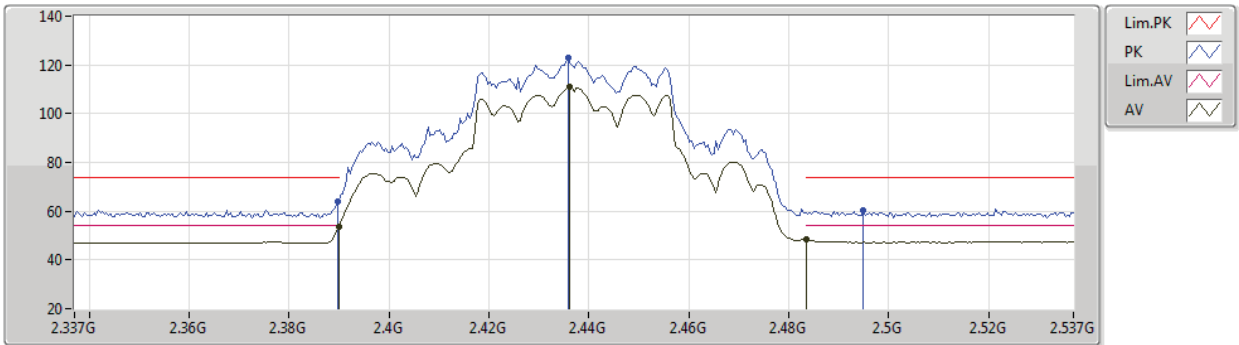


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.44	54.00	-0.56	34.97	3	Horizontal	168	1.50	-	18.47	27.64	7.33	-
AV	2.4406G	103.14	Inf	-Inf	34.91	3	Horizontal	168	1.50	-	68.23	27.56	7.35	-
AV	2.487G	46.97	54.00	-7.03	34.88	3	Horizontal	168	1.50	-	12.09	27.51	7.37	-
PK	2.3898G	65.48	74.00	-8.52	34.97	3	Horizontal	168	1.50	-	30.51	27.64	7.33	-
PK	2.4198G	115.25	Inf	-Inf	34.92	3	Horizontal	168	1.50	-	80.33	27.58	7.34	-
PK	2.487G	59.61	74.00	-14.39	34.88	3	Horizontal	168	1.50	-	24.73	27.51	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

10/01/2020

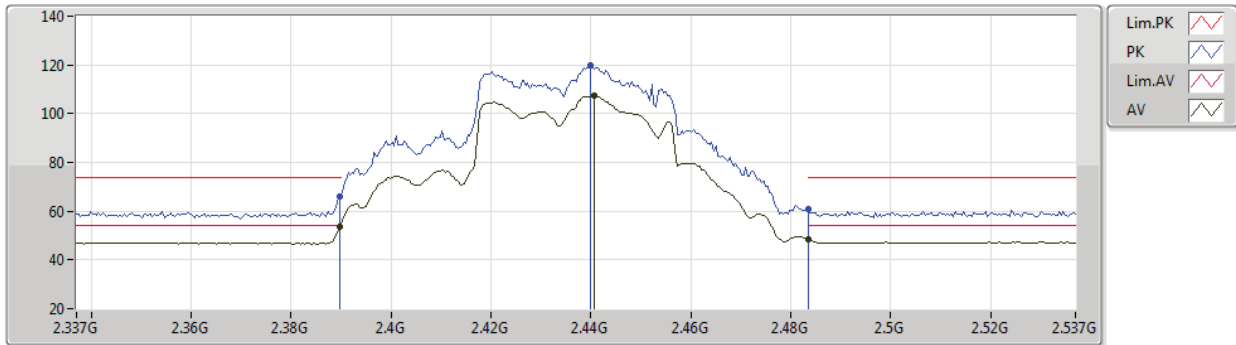


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.77	54.00	-0.23	34.97	3	Vertical	43	2.08	-	18.80	27.64	7.33	-
AV	2.4362G	110.89	Inf	-Inf	34.91	3	Vertical	43	2.08	-	75.98	27.56	7.35	-
AV	2.4835G	48.56	54.00	-5.44	34.89	3	Vertical	43	2.08	-	13.67	27.52	7.37	-
PK	2.3898G	64.21	74.00	-9.79	34.97	3	Vertical	43	2.08	-	29.24	27.64	7.33	-
PK	2.4358G	123.04	Inf	-Inf	34.91	3	Vertical	43	2.08	-	88.13	27.56	7.35	-
PK	2.495G	60.18	74.00	-13.82	34.87	3	Vertical	43	2.08	-	25.31	27.50	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

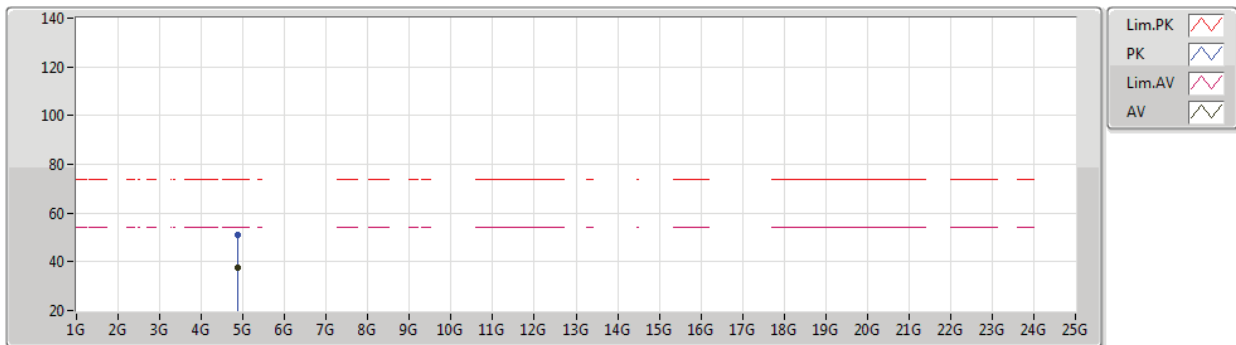


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.85	54.00	-0.15	34.97	3	Horizontal	151	1.50	-	18.88	27.64	7.33	-
AV	2.4406G	107.37	Inf	-Inf	34.91	3	Horizontal	151	1.50	-	72.46	27.56	7.35	-
AV	2.4835G	48.22	54.00	-5.78	34.89	3	Horizontal	151	1.50	-	13.33	27.52	7.37	-
PK	2.3898G	66.28	74.00	-7.72	34.97	3	Horizontal	151	1.50	-	31.31	27.64	7.33	-
PK	2.4398G	119.79	Inf	-Inf	34.91	3	Horizontal	151	1.50	-	84.88	27.56	7.35	-
PK	2.4835G	60.96	74.00	-13.04	34.89	3	Horizontal	151	1.50	-	26.07	27.52	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

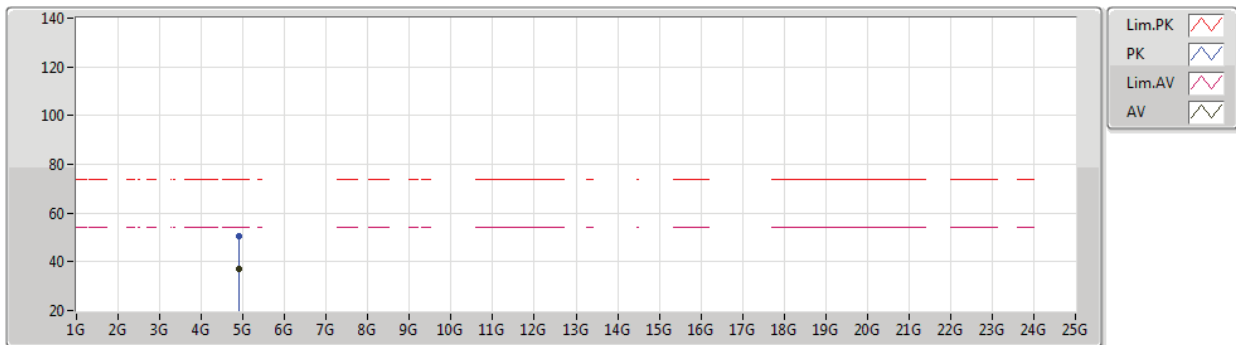


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8824G	37.71	54.00	-16.29	7.03	3	Vertical	145	1.50	-	30.68	31.10	9.98	34.05
PK	4.8853G	51.16	74.00	-22.84	7.04	3	Vertical	145	1.50	-	44.12	31.10	9.99	34.05

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2437MHz_TX

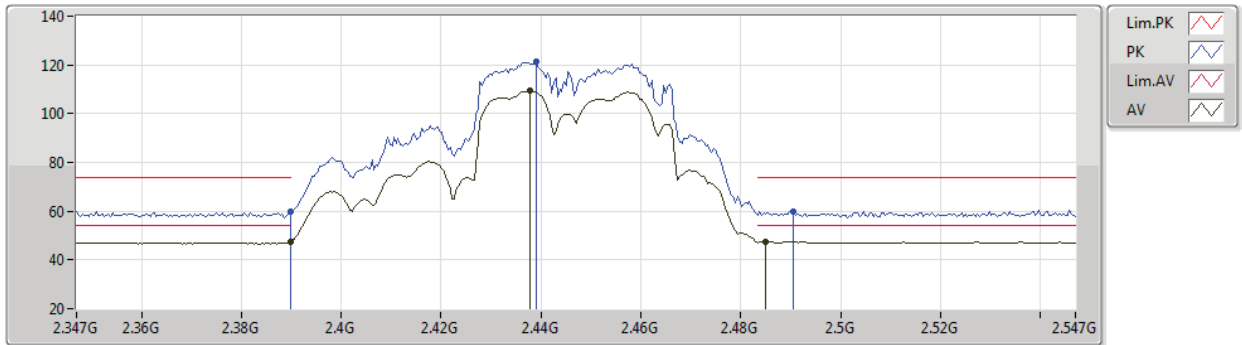


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8918G	36.85	54.00	-17.15	7.04	3	Horizontal	274	1.50	-	29.81	31.10	9.99	34.05
PK	4.8917G	50.60	74.00	-23.40	7.04	3	Horizontal	274	1.50	-	43.56	31.10	9.99	34.05

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

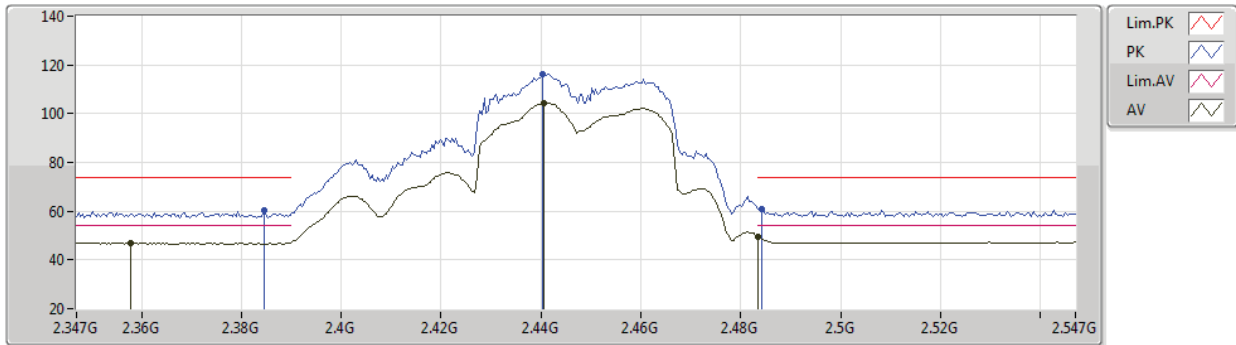
2447MHz_TX



802.11ax HEW40_Nss1,(MCS0)_4TX

2447MHz_TX

10/01/2020

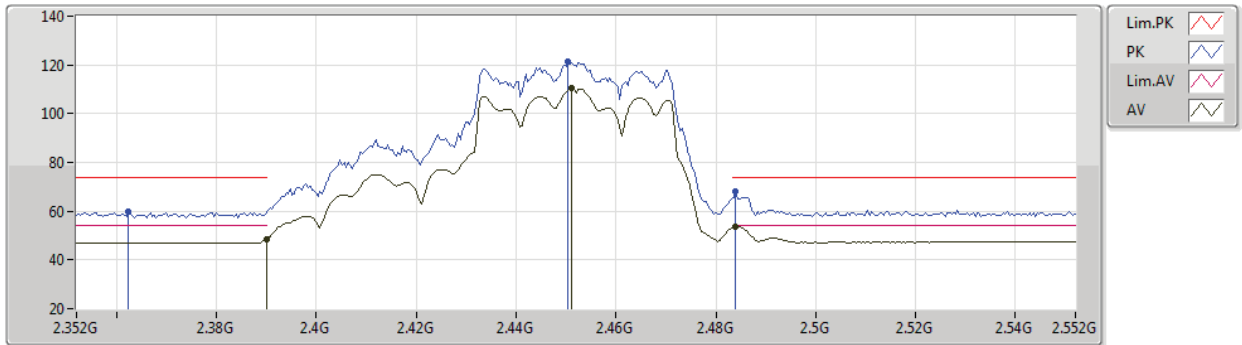


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3578G	46.94	54.00	-7.06	35.11	3	Horizontal	191	1.45	-	11.83	27.77	7.34	-
AV	2.4406G	104.27	Inf	-Inf	34.91	3	Horizontal	191	1.45	-	69.36	27.56	7.35	-
AV	2.4835G	49.63	54.00	-4.37	34.89	3	Horizontal	191	1.45	-	14.74	27.52	7.37	-
PK	2.3846G	60.28	74.00	-13.72	34.99	3	Horizontal	191	1.45	-	25.29	27.66	7.33	-
PK	2.4402G	116.12	Inf	-Inf	34.91	3	Horizontal	191	1.45	-	81.21	27.56	7.35	-
PK	2.4842G	60.79	74.00	-13.21	34.89	3	Horizontal	191	1.45	-	25.90	27.52	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

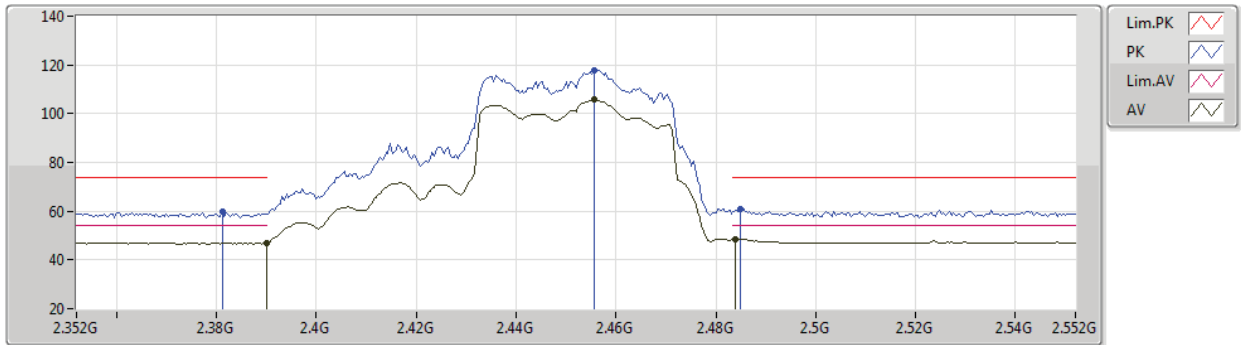
2452MHz_TX



802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2452MHz_TX

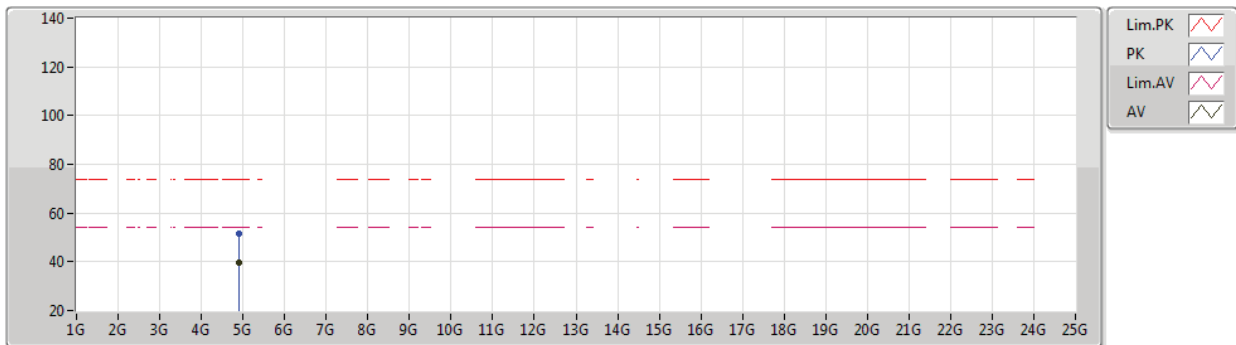


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	47.07	54.00	-6.93	34.97	3	Horizontal	146	1.37	-	12.10	27.64	7.33	-
AV	2.4556G	105.63	Inf	-Inf	34.90	3	Horizontal	146	1.37	-	70.73	27.54	7.36	-
AV	2.484G	48.43	54.00	-5.57	34.89	3	Horizontal	146	1.37	-	13.54	27.52	7.37	-
PK	2.3812G	59.78	74.00	-14.22	35.01	3	Horizontal	146	1.37	-	24.77	27.68	7.33	-
PK	2.4556G	117.90	Inf	-Inf	34.90	3	Horizontal	146	1.37	-	83.00	27.54	7.36	-
PK	2.4848G	61.11	74.00	-12.89	34.89	3	Horizontal	146	1.37	-	26.22	27.52	7.37	-

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

2452MHz_TX

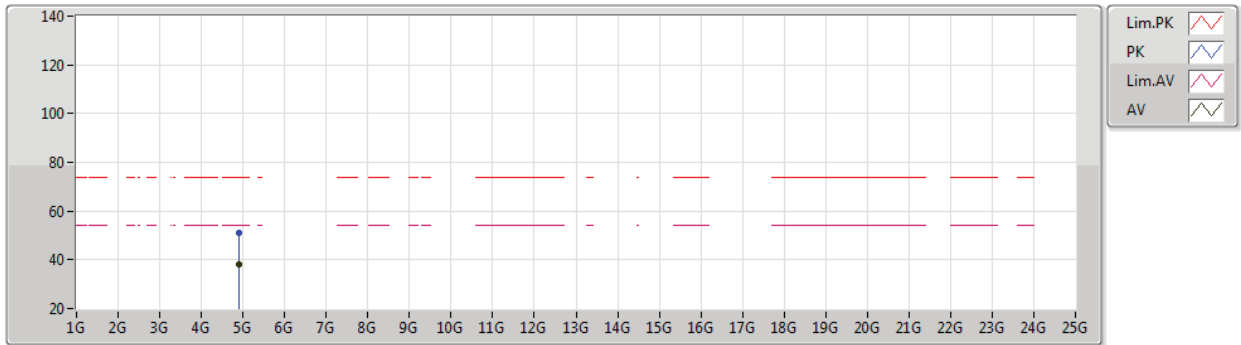


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9171G	39.52	54.00	-14.48	7.13	3	Vertical	129	1.63	-	32.39	31.17	10.01	34.05
PK	4.9174G	51.74	74.00	-22.26	7.13	3	Vertical	129	1.63	-	44.61	31.17	10.01	34.05

802.11ax HEW40_Nss1,(MCS0)_4TX

10/01/2020

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	4.9188G	38.20	54.00	-15.80	7.14	3	Horizontal	272	1.50	-	31.06	31.18	10.01	34.05
PK	4.8995G	50.86	74.00	-23.14	7.05	3	Horizontal	272	1.50	-	43.81	31.10	10.00	34.05

=

Remark :

Page No. : F107 of F107

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

9N1813-01



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-BF_Nss1,(MCS0)_4TX	Pass	PK	35.82M	35.35	40.00	-4.65	3	Vertical	360	1.00	-

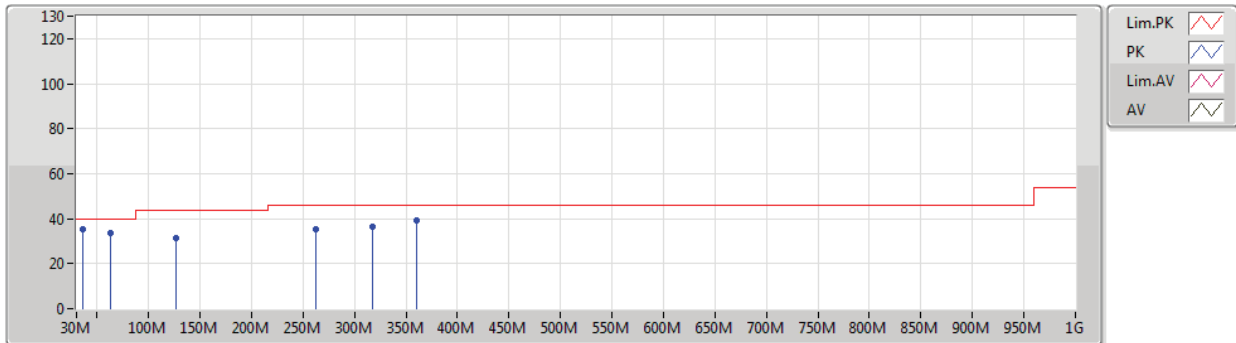
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	35.82M	35.35	40.00	-4.65	3	Vertical	360	1.00	-
2437MHz	Pass	PK	62.98M	33.50	40.00	-6.50	3	Vertical	360	1.00	-
2437MHz	Pass	PK	127M	31.43	43.50	-12.07	3	Vertical	360	1.00	-
2437MHz	Pass	PK	262.8M	35.14	46.00	-10.86	3	Vertical	360	1.00	-
2437MHz	Pass	PK	317.12M	36.27	46.00	-9.73	3	Vertical	360	1.00	-
2437MHz	Pass	PK	359.8M	39.43	46.00	-6.57	3	Vertical	360	1.00	-
2437MHz	Pass	PK	80.44M	30.76	40.00	-9.24	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	101.78M	30.83	43.50	-12.67	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	181.32M	29.85	43.50	-13.65	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	264.74M	36.05	46.00	-9.95	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	282.2M	36.46	46.00	-9.54	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	321M	34.46	46.00	-11.54	3	Horizontal	0	1.00	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

20/05/2020

2437MHz_Adapter

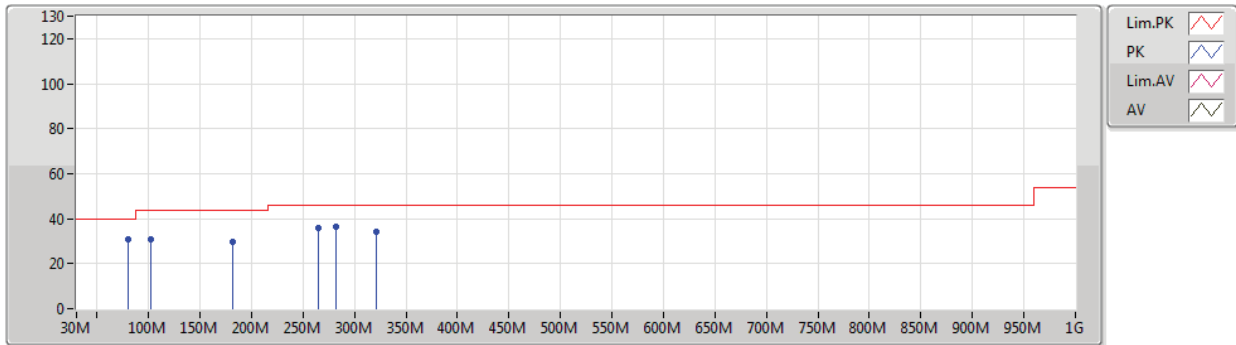


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	35.82M	35.35	40.00	-4.65	-16.16	3	Vertical	360	1.00	-	51.51	20.67	0.42	37.25
PK	62.98M	33.50	40.00	-6.50	-25.64	3	Vertical	360	1.00	-	59.14	10.82	0.60	37.06
PK	127M	31.43	43.50	-12.07	-19.10	3	Vertical	360	1.00	-	50.53	16.67	0.83	36.60
PK	262.8M	35.14	46.00	-10.86	-16.12	3	Vertical	360	1.00	-	51.26	18.98	1.33	36.43
PK	317.12M	36.27	46.00	-9.73	-16.62	3	Vertical	360	1.00	-	52.89	18.45	1.43	36.50
PK	359.8M	39.43	46.00	-6.57	-15.30	3	Vertical	360	1.00	-	54.73	19.73	1.54	36.57

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

20/05/2020

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	80.44M	30.76	40.00	-9.24	-23.60	3	Horizontal	0	1.00	-	54.36	12.52	0.70	36.82
PK	101.78M	30.83	43.50	-12.67	-20.64	3	Horizontal	0	1.00	-	51.47	15.15	0.80	36.59
PK	181.32M	29.85	43.50	-13.65	-21.24	3	Horizontal	0	1.00	-	51.09	14.06	1.10	36.40
PK	264.74M	36.05	46.00	-9.95	-16.31	3	Horizontal	0	1.00	-	52.36	18.79	1.33	36.43
PK	282.2M	36.46	46.00	-9.54	-17.18	3	Horizontal	0	1.00	-	53.64	17.92	1.36	36.46
PK	321M	34.46	46.00	-11.54	-16.54	3	Horizontal	0	1.00	-	51.00	18.53	1.44	36.51



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	AV	2.4836G	47.32	54.00	-6.68	3	Vertical	53	2.97	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	AV	2.4852G	49.60	54.00	-4.40	3	Vertical	78	1.50	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.65	54.00	-7.35	3	Vertical	76	2.99	-
2412MHz	Pass	AV	2.4208G	111.24	Inf	-Inf	3	Vertical	76	2.99	-
2412MHz	Pass	PK	2.39G	63.09	74.00	-10.91	3	Vertical	76	2.99	-
2412MHz	Pass	PK	2.4178G	121.97	Inf	-Inf	3	Vertical	76	2.99	-
2412MHz	Pass	AV	2.39G	45.86	54.00	-8.14	3	Horizontal	201	1.50	-
2412MHz	Pass	AV	2.42G	110.05	Inf	-Inf	3	Horizontal	201	1.50	-
2412MHz	Pass	PK	2.3852G	58.08	74.00	-15.92	3	Horizontal	201	1.50	-
2412MHz	Pass	PK	2.418G	121.40	Inf	-Inf	3	Horizontal	201	1.50	-
2412MHz	Pass	AV	4.81842G	40.60	54.00	-13.40	3	Vertical	58	2.11	-
2412MHz	Pass	PK	4.81236G	58.87	74.00	-15.13	3	Vertical	58	2.11	-
2412MHz	Pass	AV	4.8111G	42.15	54.00	-11.85	3	Horizontal	231	1.50	-
2412MHz	Pass	PK	4.81266G	55.04	74.00	-18.96	3	Horizontal	231	1.50	-
2437MHz	Pass	AV	2.3522G	45.48	54.00	-8.52	3	Vertical	83	1.50	-
2437MHz	Pass	AV	2.4398G	110.84	Inf	-Inf	3	Vertical	83	1.50	-
2437MHz	Pass	AV	2.4966G	45.87	54.00	-8.13	3	Vertical	83	1.50	-
2437MHz	Pass	PK	2.3546G	57.99	74.00	-16.01	3	Vertical	83	1.50	-
2437MHz	Pass	PK	2.4422G	122.74	Inf	-Inf	3	Vertical	83	1.50	-
2437MHz	Pass	PK	2.4966G	58.25	74.00	-15.75	3	Vertical	83	1.50	-
2437MHz	Pass	AV	2.3674G	45.53	54.00	-8.47	3	Horizontal	198	1.49	-
2437MHz	Pass	AV	2.4294G	110.62	Inf	-Inf	3	Horizontal	198	1.49	-
2437MHz	Pass	AV	2.4954G	45.84	54.00	-8.16	3	Horizontal	198	1.49	-
2437MHz	Pass	PK	2.3794G	58.10	74.00	-15.90	3	Horizontal	198	1.49	-
2437MHz	Pass	PK	2.429G	121.70	Inf	-Inf	3	Horizontal	198	1.49	-
2437MHz	Pass	PK	2.4906G	58.82	74.00	-15.18	3	Horizontal	198	1.49	-
2437MHz	Pass	AV	4.87472G	38.01	54.00	-15.99	3	Vertical	15	1.35	-
2437MHz	Pass	PK	4.88276G	51.53	74.00	-22.47	3	Vertical	15	1.35	-
2437MHz	Pass	AV	4.87304G	37.60	54.00	-16.40	3	Horizontal	222	1.47	-
2437MHz	Pass	PK	4.87586G	51.03	74.00	-22.97	3	Horizontal	222	1.47	-
2462MHz	Pass	AV	2.4546G	110.52	Inf	-Inf	3	Vertical	53	2.97	-
2462MHz	Pass	AV	2.4836G	47.32	54.00	-6.68	3	Vertical	53	2.97	-
2462MHz	Pass	PK	2.454G	122.26	Inf	-Inf	3	Vertical	53	2.97	-
2462MHz	Pass	PK	2.4835G	59.28	74.00	-14.72	3	Vertical	53	2.97	-
2462MHz	Pass	AV	2.458G	111.73	Inf	-Inf	3	Horizontal	203	1.36	-
2462MHz	Pass	AV	2.4836G	46.27	54.00	-7.73	3	Horizontal	203	1.36	-
2462MHz	Pass	PK	2.4588G	122.78	Inf	-Inf	3	Horizontal	203	1.36	-
2462MHz	Pass	PK	2.4838G	57.95	74.00	-16.05	3	Horizontal	203	1.36	-
2462MHz	Pass	AV	4.93102G	42.76	54.00	-11.24	3	Vertical	53	2.28	-
2462MHz	Pass	PK	4.92928G	56.66	74.00	-17.34	3	Vertical	53	2.28	-
2462MHz	Pass	AV	4.92808G	42.47	54.00	-11.53	3	Horizontal	285	2.20	-
2462MHz	Pass	PK	4.9291G	56.06	74.00	-17.94	3	Horizontal	285	2.20	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3824G	46.01	54.00	-7.99	3	Vertical	51	1.49	-
2422MHz	Pass	AV	2.426G	108.27	Inf	-Inf	3	Vertical	51	1.49	-
2422MHz	Pass	AV	2.4964G	45.40	54.00	-8.60	3	Vertical	51	1.49	-
2422MHz	Pass	PK	2.3844G	60.81	74.00	-13.19	3	Vertical	51	1.49	-
2422MHz	Pass	PK	2.4052G	120.77	Inf	-Inf	3	Vertical	51	1.49	-
2422MHz	Pass	PK	2.498G	57.96	74.00	-16.04	3	Vertical	51	1.49	-

Remark :

Page No. : F2 of F27

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

9N1813-01



RSE TX above 1GHz_Beamforming

Appendix F.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	2.3852G	45.04	54.00	-8.96	3	Horizontal	94	1.50	-
2422MHz	Pass	AV	2.4384G	101.96	Inf	-Inf	3	Horizontal	94	1.50	-
2422MHz	Pass	AV	2.4876G	45.46	54.00	-8.54	3	Horizontal	94	1.50	-
2422MHz	Pass	PK	2.3732G	58.43	74.00	-15.57	3	Horizontal	94	1.50	-
2422MHz	Pass	PK	2.434G	114.53	Inf	-Inf	3	Horizontal	94	1.50	-
2422MHz	Pass	PK	2.4872G	58.10	74.00	-15.90	3	Horizontal	94	1.50	-
2422MHz	Pass	AV	4.828G	35.69	54.00	-18.31	3	Vertical	194	1.50	-
2422MHz	Pass	PK	4.822G	48.92	74.00	-25.08	3	Vertical	194	1.50	-
2422MHz	Pass	AV	4.8222G	37.83	54.00	-16.17	3	Horizontal	231	1.50	-
2422MHz	Pass	PK	4.8202G	52.32	74.00	-21.68	3	Horizontal	231	1.50	-
2437MHz	Pass	AV	2.3834G	45.52	54.00	-8.48	3	Vertical	62	2.28	-
2437MHz	Pass	AV	2.4302G	109.68	Inf	-Inf	3	Vertical	62	2.28	-
2437MHz	Pass	AV	2.485G	45.96	54.00	-8.04	3	Vertical	62	2.28	-
2437MHz	Pass	PK	2.379G	58.04	74.00	-15.96	3	Vertical	62	2.28	-
2437MHz	Pass	PK	2.4294G	121.88	Inf	-Inf	3	Vertical	62	2.28	-
2437MHz	Pass	PK	2.4842G	58.20	74.00	-15.80	3	Vertical	62	2.28	-
2437MHz	Pass	AV	2.3846G	45.03	54.00	-8.97	3	Horizontal	197	1.45	-
2437MHz	Pass	AV	2.4418G	107.33	Inf	-Inf	3	Horizontal	197	1.45	-
2437MHz	Pass	AV	2.4835G	45.92	54.00	-8.08	3	Horizontal	197	1.45	-
2437MHz	Pass	PK	2.3834G	58.02	74.00	-15.98	3	Horizontal	197	1.45	-
2437MHz	Pass	PK	2.4406G	120.53	Inf	-Inf	3	Horizontal	197	1.45	-
2437MHz	Pass	PK	2.4846G	58.24	74.00	-15.76	3	Horizontal	197	1.45	-
2437MHz	Pass	AV	4.8701G	37.15	54.00	-16.85	3	Vertical	40	2.39	-
2437MHz	Pass	PK	4.8794G	51.63	74.00	-22.37	3	Vertical	40	2.39	-
2437MHz	Pass	AV	4.85948G	35.25	54.00	-18.75	3	Horizontal	276	2.19	-
2437MHz	Pass	PK	4.88192G	48.48	74.00	-25.52	3	Horizontal	276	2.19	-
2452MHz	Pass	AV	2.3568G	45.10	54.00	-8.90	3	Vertical	78	1.50	-
2452MHz	Pass	AV	2.4676G	107.70	Inf	-Inf	3	Vertical	78	1.50	-
2452MHz	Pass	AV	2.4852G	49.60	54.00	-4.40	3	Vertical	78	1.50	-
2452MHz	Pass	PK	2.3672G	57.92	74.00	-16.08	3	Vertical	78	1.50	-
2452MHz	Pass	PK	2.4592G	120.41	Inf	-Inf	3	Vertical	78	1.50	-
2452MHz	Pass	PK	2.484G	62.65	74.00	-11.35	3	Vertical	78	1.50	-
2452MHz	Pass	AV	2.3552G	45.04	54.00	-8.96	3	Horizontal	227	2.82	-
2452MHz	Pass	AV	2.4396G	106.82	Inf	-Inf	3	Horizontal	227	2.82	-
2452MHz	Pass	AV	2.4844G	47.91	54.00	-6.09	3	Horizontal	227	2.82	-
2452MHz	Pass	PK	2.3664G	57.65	74.00	-16.35	3	Horizontal	227	2.82	-
2452MHz	Pass	PK	2.4384G	119.02	Inf	-Inf	3	Horizontal	227	2.82	-
2452MHz	Pass	PK	2.4848G	63.45	74.00	-10.55	3	Horizontal	227	2.82	-
2452MHz	Pass	AV	4.9213G	35.12	54.00	-18.88	3	Vertical	24	1.33	-
2452MHz	Pass	PK	4.8841G	52.08	74.00	-21.92	3	Vertical	24	1.33	-
2452MHz	Pass	AV	4.9164G	35.95	54.00	-18.05	3	Horizontal	0	1.33	-
2452MHz	Pass	PK	4.8867G	51.67	74.00	-22.33	3	Horizontal	0	1.33	-

Remark :

Page No. : F3 of F27

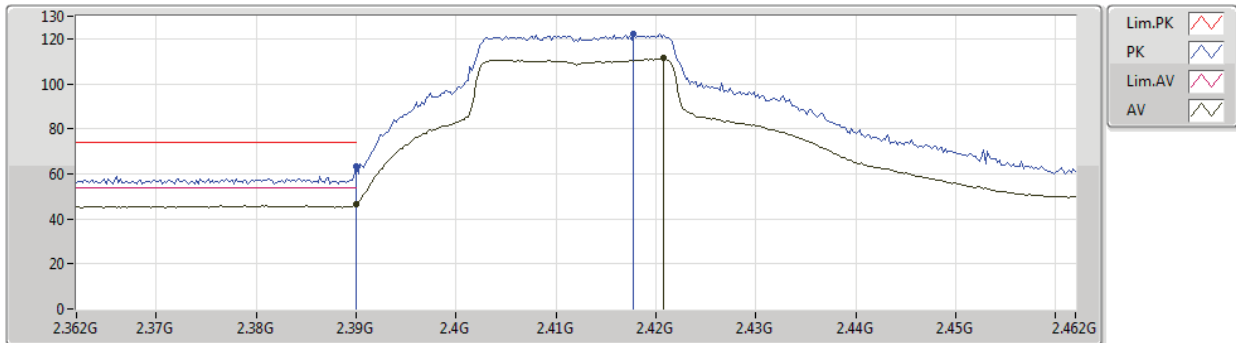
Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

9N1813-01

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2412MHz_TX

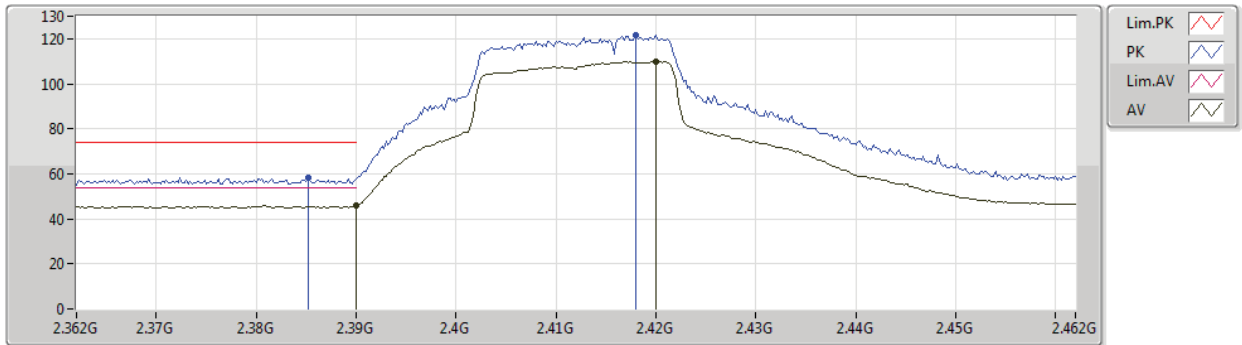


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	46.65	54.00	-7.35	32.72	3	Vertical	76	2.99	-	13.93	27.64	5.08	-
AV	2.4208G	111.24	Inf	-Inf	32.71	3	Vertical	76	2.99	-	78.53	27.58	5.13	-
PK	2.39G	63.09	74.00	-10.91	32.72	3	Vertical	76	2.99	-	30.37	27.64	5.08	-
PK	2.4178G	121.97	Inf	-Inf	32.71	3	Vertical	76	2.99	-	89.26	27.58	5.13	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2412MHz_TX

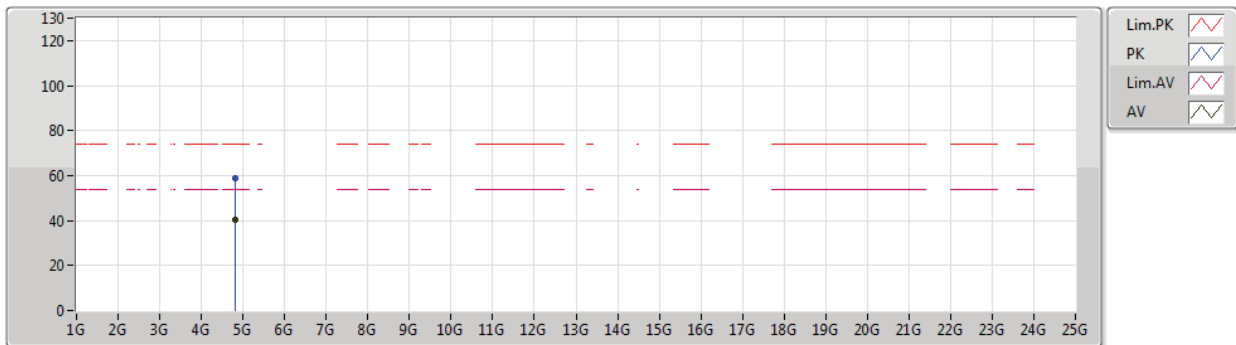


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	45.86	54.00	-8.14	32.72	3	Horizontal	201	1.50	-	13.14	27.64	5.08	-
AV	2.42G	110.05	Inf	-Inf	32.71	3	Horizontal	201	1.50	-	77.34	27.58	5.13	-
PK	2.3852G	58.08	74.00	-15.92	32.73	3	Horizontal	201	1.50	-	25.35	27.66	5.07	-
PK	2.418G	121.40	Inf	-Inf	32.71	3	Horizontal	201	1.50	-	88.69	27.58	5.13	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2412MHz_TX

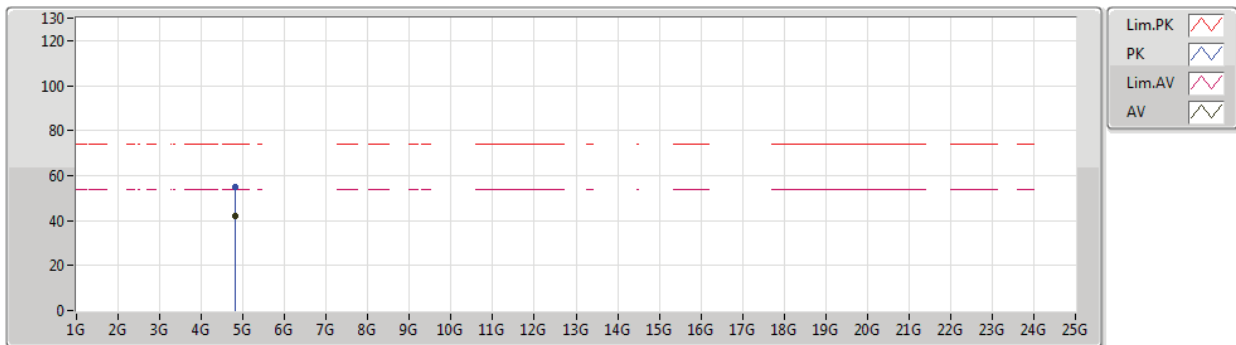


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.81842G	40.60	54.00	-13.40	4.37	3	Vertical	58	2.11	-	36.23	31.10	7.32	34.05
PK	4.81236G	58.87	74.00	-15.13	4.36	3	Vertical	58	2.11	-	54.51	31.10	7.31	34.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2412MHz_TX

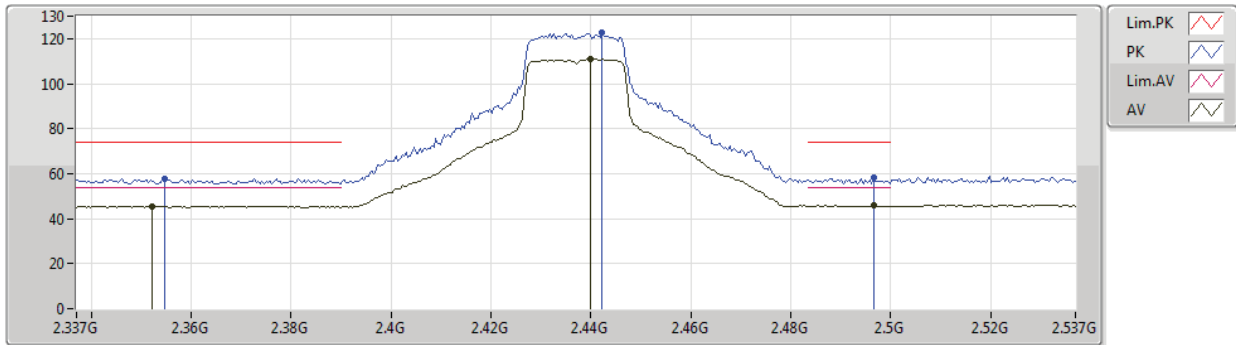


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8111G	42.15	54.00	-11.85	4.36	3	Horizontal	231	1.50	-	37.79	31.10	7.31	34.05
PK	4.81266G	55.04	74.00	-18.96	4.36	3	Horizontal	231	1.50	-	50.68	31.10	7.31	34.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX

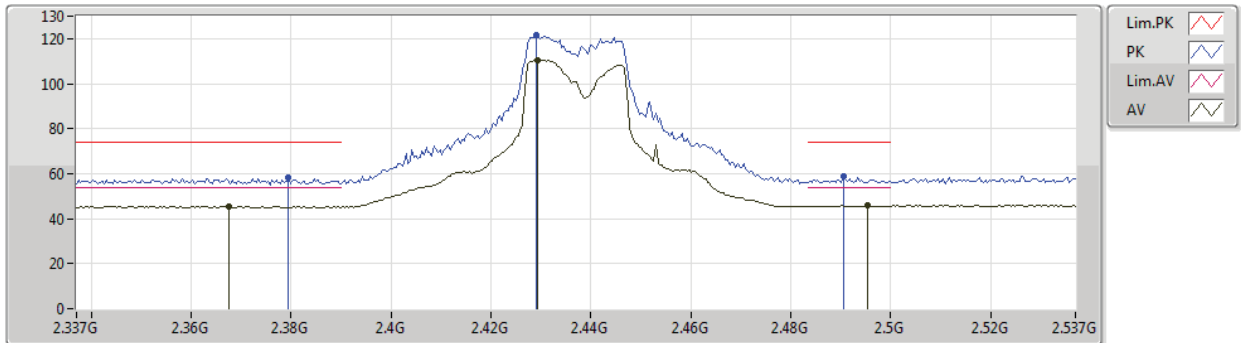


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3522G	45.48	54.00	-8.52	32.79	3	Vertical	83	1.50	-	12.69	27.79	5.00	-
AV	2.4398G	110.84	Inf	-Inf	32.72	3	Vertical	83	1.50	-	78.12	27.56	5.16	-
AV	2.4966G	45.87	54.00	-8.13	32.74	3	Vertical	83	1.50	-	13.13	27.50	5.24	-
PK	2.3546G	57.99	74.00	-16.01	32.79	3	Vertical	83	1.50	-	25.20	27.78	5.01	-
PK	2.4422G	122.74	Inf	-Inf	32.72	3	Vertical	83	1.50	-	90.02	27.56	5.16	-
PK	2.4966G	58.25	74.00	-15.75	32.74	3	Vertical	83	1.50	-	25.51	27.50	5.24	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX

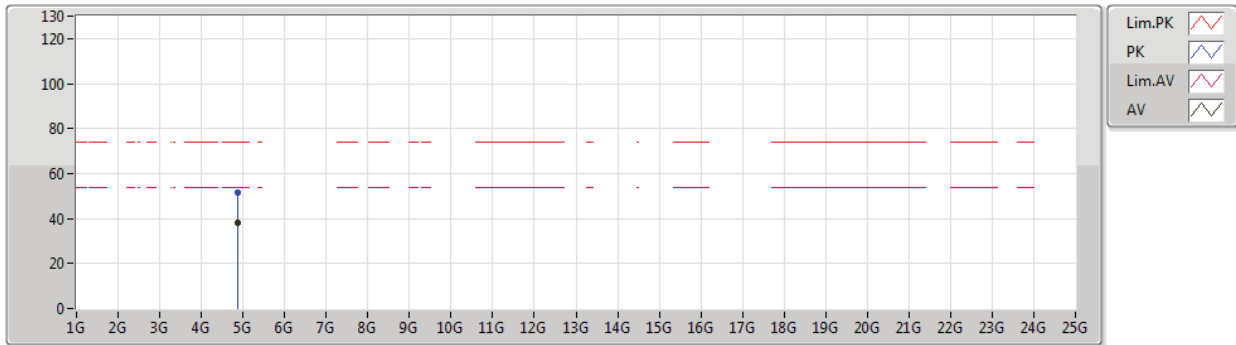


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3674G	45.53	54.00	-8.47	32.76	3	Horizontal	198	1.49	-	12.77	27.73	5.03	-
AV	2.4294G	110.62	Inf	-Inf	32.71	3	Horizontal	198	1.49	-	77.91	27.57	5.14	-
AV	2.4954G	45.84	54.00	-8.16	32.74	3	Horizontal	198	1.49	-	13.10	27.50	5.24	-
PK	2.3794G	58.10	74.00	-15.90	32.74	3	Horizontal	198	1.49	-	25.36	27.68	5.06	-
PK	2.429G	121.70	Inf	-Inf	32.71	3	Horizontal	198	1.49	-	88.99	27.57	5.14	-
PK	2.4906G	58.82	74.00	-15.18	32.75	3	Horizontal	198	1.49	-	26.07	27.51	5.24	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX



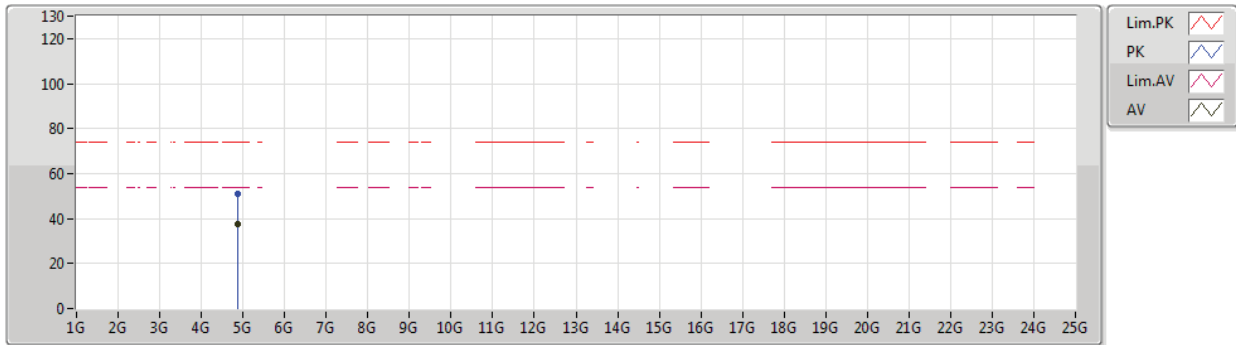
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87472G	38.01	54.00	-15.99	4.42	3	Vertical	15	1.35	-	33.59	31.10	7.37	34.05
PK	4.88276G	51.53	74.00	-22.47	4.43	3	Vertical	15	1.35	-	47.10	31.10	7.38	34.05



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX

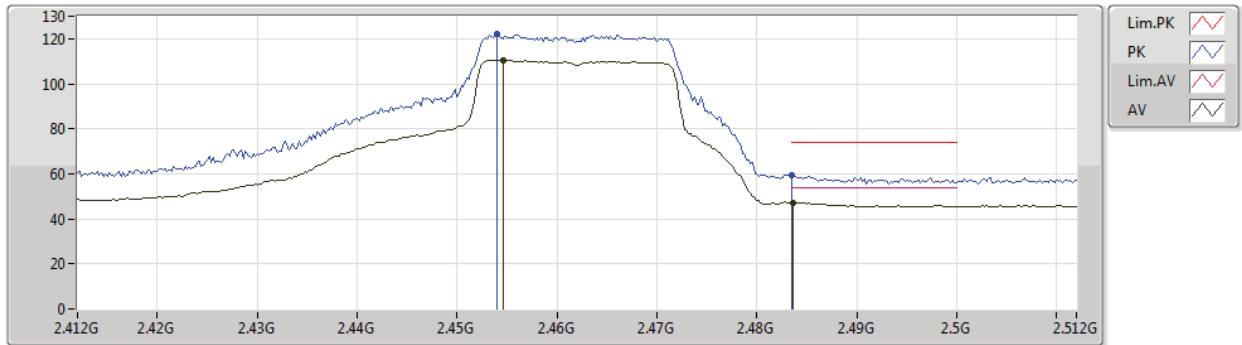


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87304G	37.60	54.00	-16.40	4.42	3	Horizontal	222	1.47	-	33.18	31.10	7.37	34.05
PK	4.87586G	51.03	74.00	-22.97	4.43	3	Horizontal	222	1.47	-	46.60	31.10	7.38	34.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

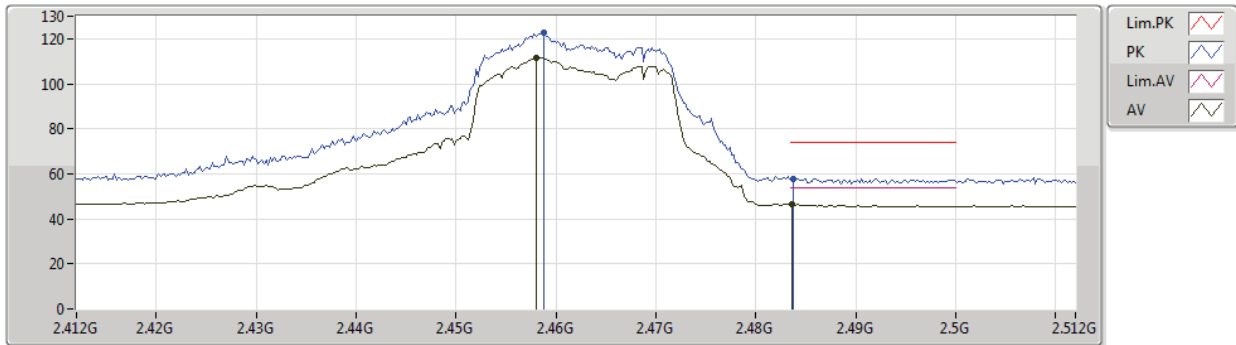
2462MHz_TX



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

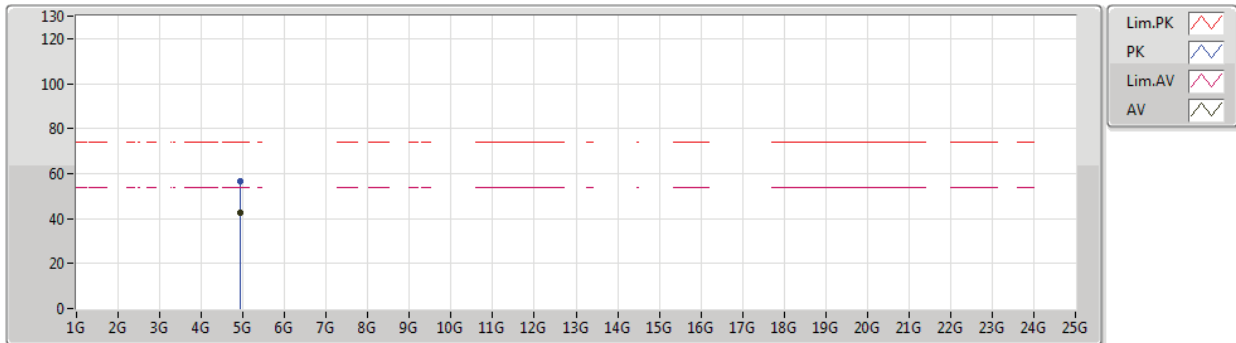
2462MHz_TX



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2462MHz_TX

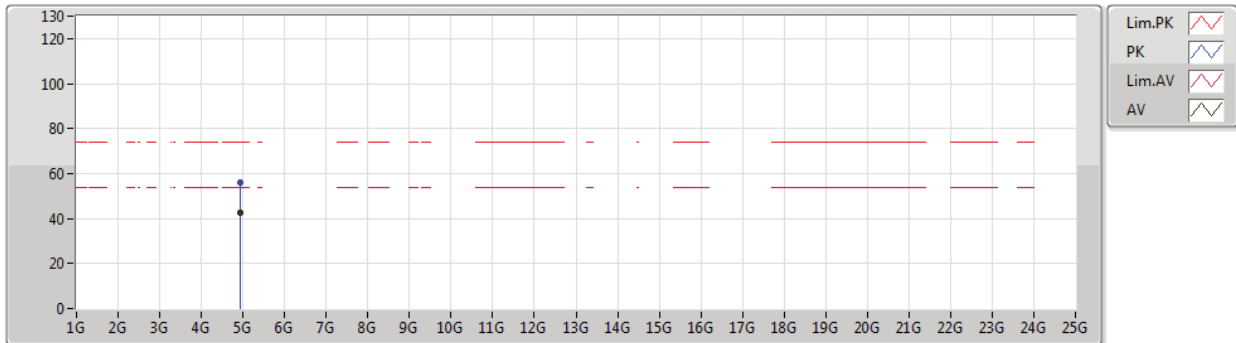


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.93102G	42.76	54.00	-11.24	4.60	3	Vertical	53	2.28	-	38.16	31.22	7.43	34.05
PK	4.92928G	56.66	74.00	-17.34	4.60	3	Vertical	53	2.28	-	52.06	31.22	7.43	34.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

12/05/2020

2462MHz_TX

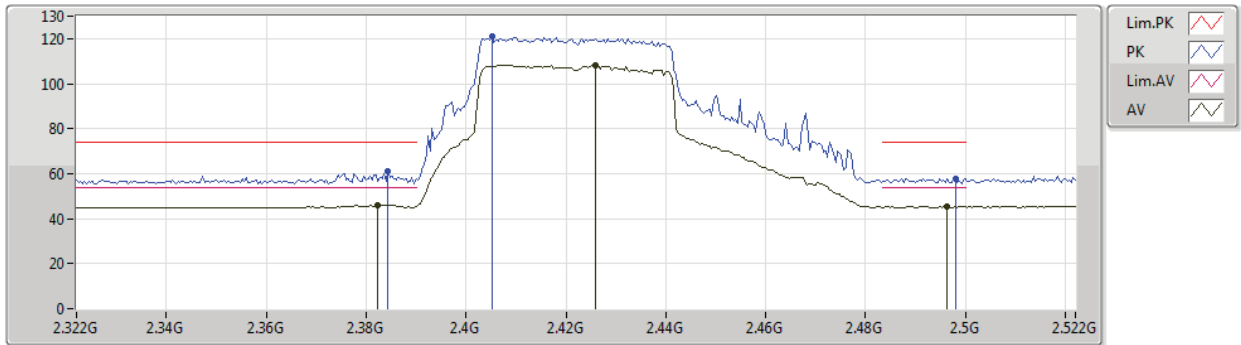


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92808G	42.47	54.00	-11.53	4.59	3	Horizontal	285	2.20	-	37.88	31.21	7.43	34.05
PK	4.9291G	56.06	74.00	-17.94	4.60	3	Horizontal	285	2.20	-	51.46	31.22	7.43	34.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2422MHz_TX

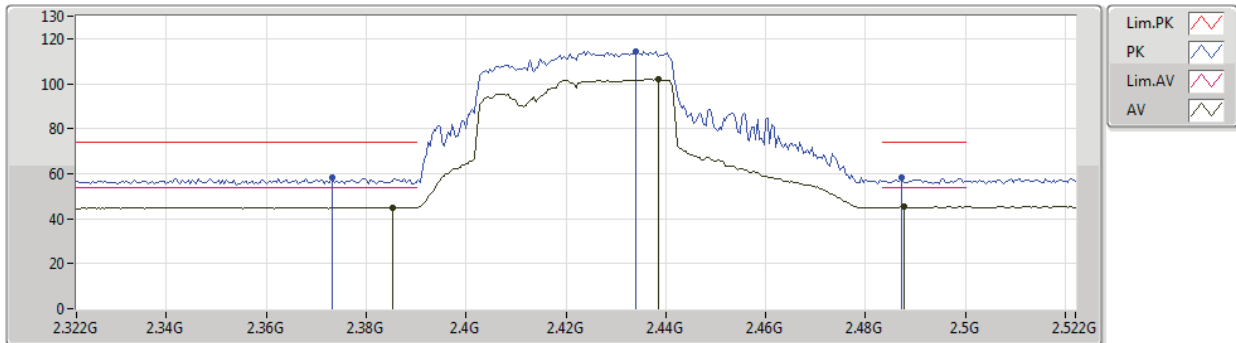


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3824G	46.01	54.00	-7.99	32.73	3	Vertical	51	1.49	-	13.28	27.67	5.06	-
AV	2.426G	108.27	Inf	-Inf	32.71	3	Vertical	51	1.49	-	75.56	27.57	5.14	-
AV	2.4964G	45.40	54.00	-8.60	32.74	3	Vertical	51	1.49	-	12.66	27.50	5.24	-
PK	2.3844G	60.81	74.00	-13.19	32.73	3	Vertical	51	1.49	-	28.08	27.66	5.07	-
PK	2.4052G	120.77	Inf	-Inf	32.70	3	Vertical	51	1.49	-	88.07	27.59	5.11	-
PK	2.498G	57.96	74.00	-16.04	32.75	3	Vertical	51	1.49	-	25.21	27.50	5.25	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2422MHz_TX

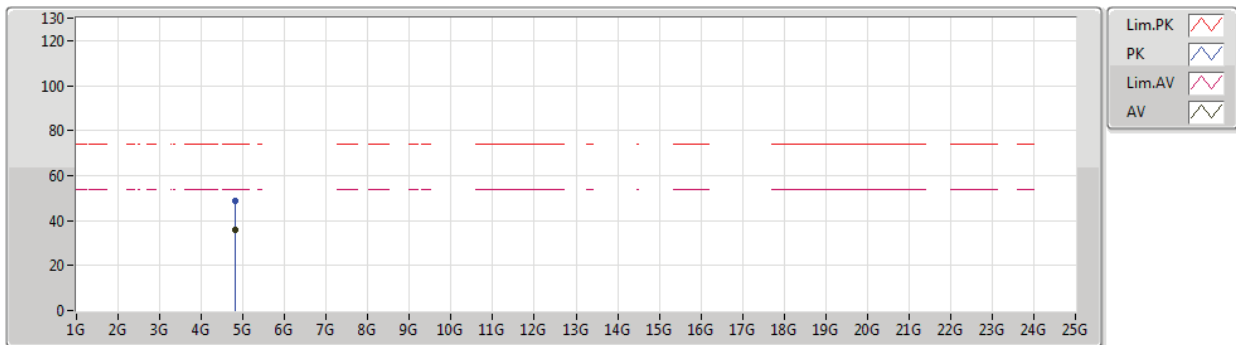


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3852G	45.04	54.00	-8.96	32.73	3	Horizontal	94	1.50	-	12.31	27.66	5.07	-
AV	2.4384G	101.96	Inf	-Inf	32.72	3	Horizontal	94	1.50	-	69.24	27.56	5.16	-
AV	2.4876G	45.46	54.00	-8.54	32.74	3	Horizontal	94	1.50	-	12.72	27.51	5.23	-
PK	2.3732G	58.43	74.00	-15.57	32.76	3	Horizontal	94	1.50	-	25.67	27.71	5.05	-
PK	2.434G	114.53	Inf	-Inf	32.72	3	Horizontal	94	1.50	-	81.81	27.57	5.15	-
PK	2.4872G	58.10	74.00	-15.90	32.74	3	Horizontal	94	1.50	-	25.36	27.51	5.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2422MHz_TX

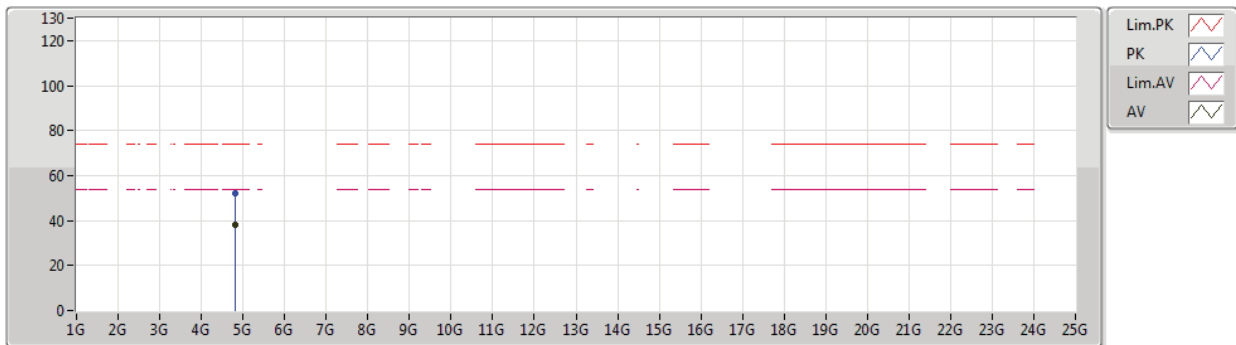


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.828G	35.69	54.00	-18.31	4.38	3	Vertical	194	1.50	-	31.31	31.10	7.33	34.05
PK	4.822G	48.92	74.00	-25.08	4.37	3	Vertical	194	1.50	-	44.55	31.10	7.32	34.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2422MHz_TX

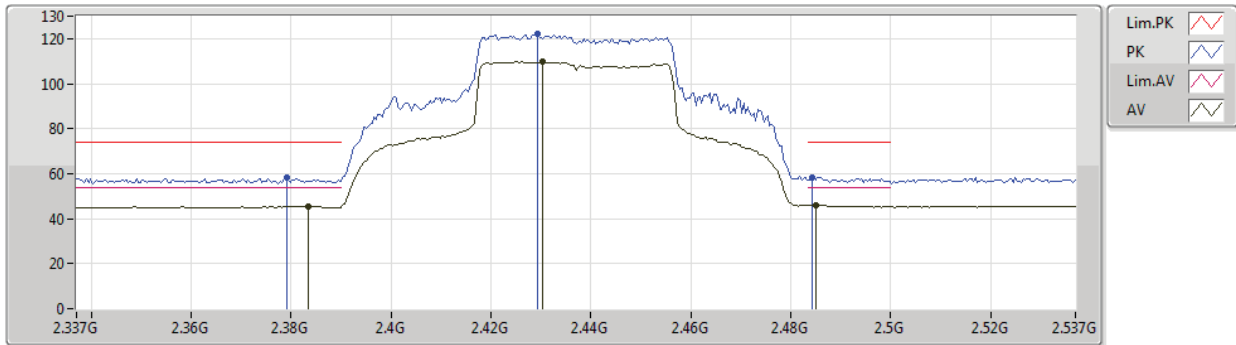


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8222G	37.83	54.00	-16.17	4.37	3	Horizontal	231	1.50	-	33.46	31.10	7.32	34.05
PK	4.8202G	52.32	74.00	-21.68	4.37	3	Horizontal	231	1.50	-	47.95	31.10	7.32	34.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX

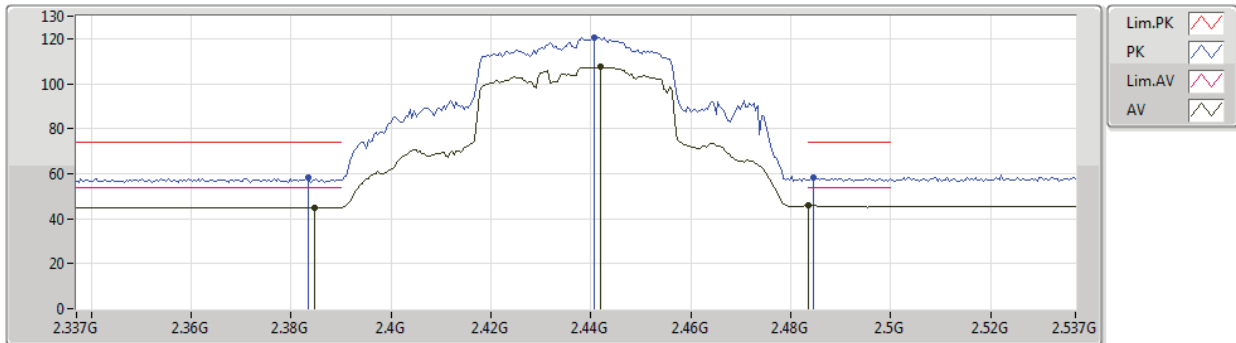


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3834G	45.52	54.00	-8.48	32.74	3	Vertical	62	2.28	-	12.78	27.67	5.07	-
AV	2.4302G	109.68	Inf	-Inf	32.72	3	Vertical	62	2.28	-	76.96	27.57	5.15	-
AV	2.485G	45.96	54.00	-8.04	32.75	3	Vertical	62	2.28	-	13.21	27.52	5.23	-
PK	2.379G	58.04	74.00	-15.96	32.74	3	Vertical	62	2.28	-	25.30	27.68	5.06	-
PK	2.4294G	121.88	Inf	-Inf	32.71	3	Vertical	62	2.28	-	89.17	27.57	5.14	-
PK	2.4842G	58.20	74.00	-15.80	32.75	3	Vertical	62	2.28	-	25.45	27.52	5.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX

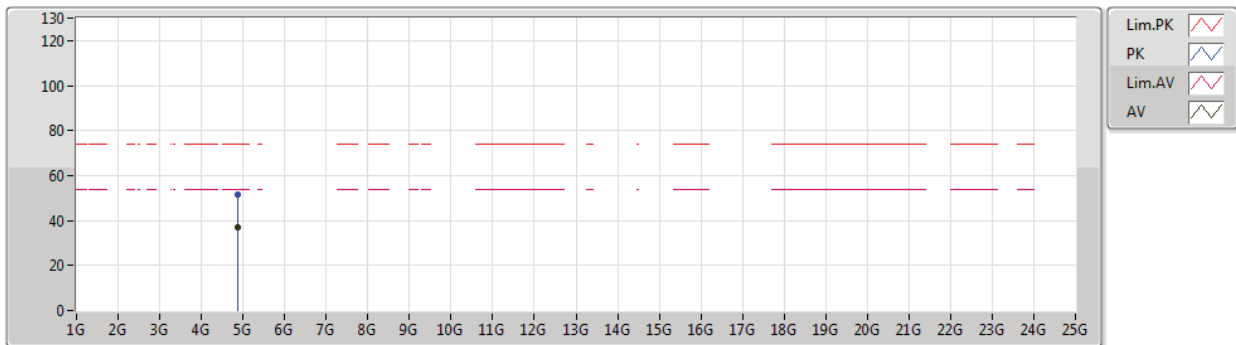


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3846G	45.03	54.00	-8.97	32.73	3	Horizontal	197	1.45	-	12.30	27.66	5.07	-
AV	2.4418G	107.33	Inf	-Inf	32.72	3	Horizontal	197	1.45	-	74.61	27.56	5.16	-
AV	2.4835G	45.92	54.00	-8.08	32.75	3	Horizontal	197	1.45	-	13.17	27.52	5.23	-
PK	2.3834G	58.02	74.00	-15.98	32.74	3	Horizontal	197	1.45	-	25.28	27.67	5.07	-
PK	2.4406G	120.53	Inf	-Inf	32.72	3	Horizontal	197	1.45	-	87.81	27.56	5.16	-
PK	2.4846G	58.24	74.00	-15.76	32.75	3	Horizontal	197	1.45	-	25.49	27.52	5.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX

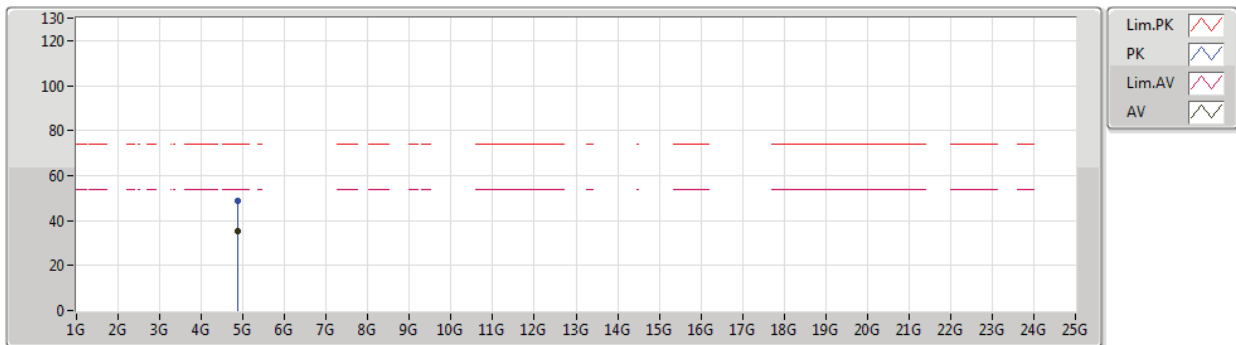


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8701G	37.15	54.00	-16.85	4.42	3	Vertical	40	2.39	-	32.73	31.10	7.37	34.05
PK	4.8794G	51.63	74.00	-22.37	4.43	3	Vertical	40	2.39	-	47.20	31.10	7.38	34.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2437MHz_TX

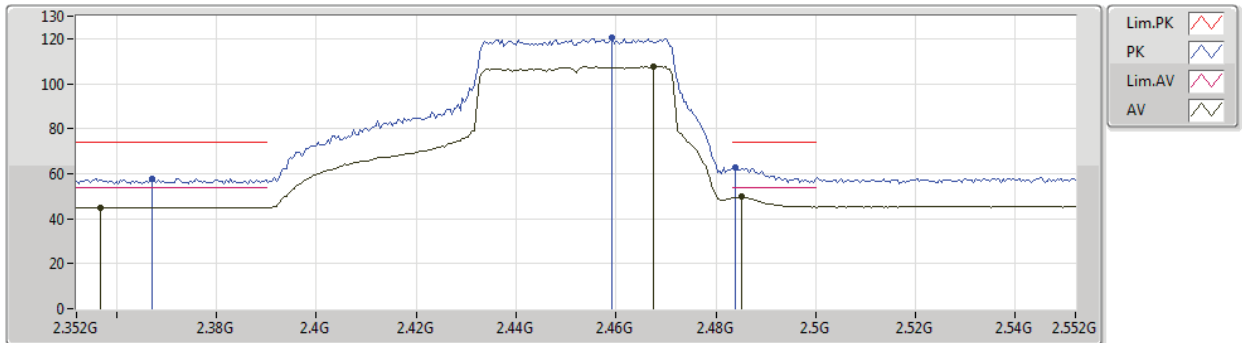


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.85948G	35.25	54.00	-18.75	4.41	3	Horizontal	276	2.19	-	30.84	31.10	7.36	34.05
PK	4.88192G	48.48	74.00	-25.52	4.43	3	Horizontal	276	2.19	-	44.05	31.10	7.38	34.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2452MHz_TX

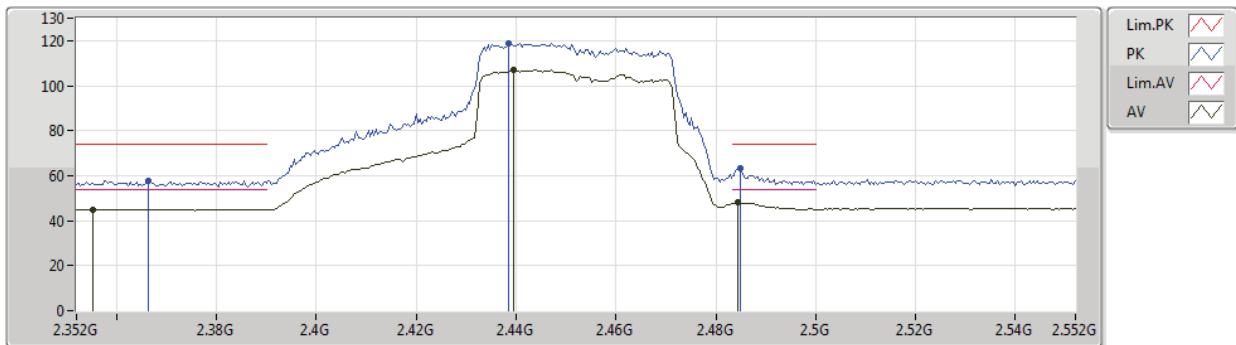


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3568G	45.10	54.00	-8.90	32.78	3	Vertical	78	1.50	-	12.32	27.77	5.01	-
AV	2.4676G	107.70	Inf	-Inf	32.73	3	Vertical	78	1.50	-	74.97	27.53	5.20	-
AV	2.4852G	49.60	54.00	-4.40	32.74	3	Vertical	78	1.50	-	16.86	27.51	5.23	-
PK	2.3672G	57.92	74.00	-16.08	32.76	3	Vertical	78	1.50	-	25.16	27.73	5.03	-
PK	2.4592G	120.41	Inf	-Inf	32.73	3	Vertical	78	1.50	-	87.68	27.54	5.19	-
PK	2.484G	62.65	74.00	-11.35	32.75	3	Vertical	78	1.50	-	29.90	27.52	5.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2452MHz_TX

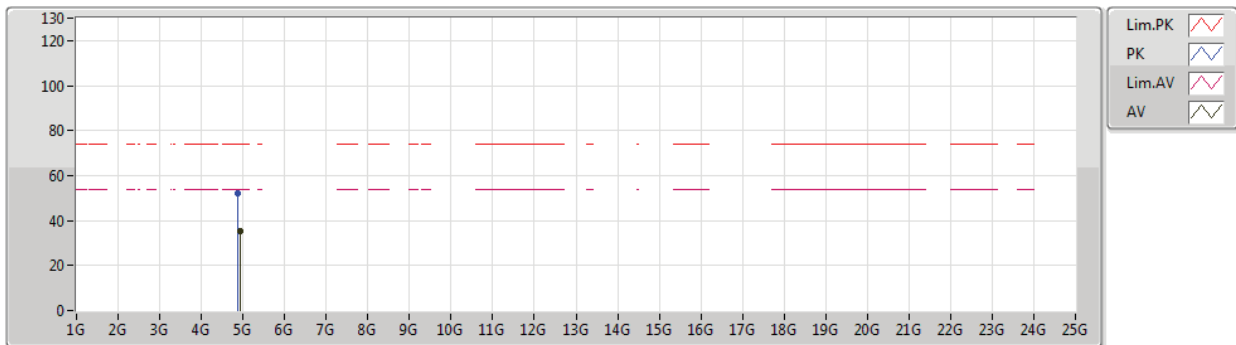


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3552G	45.04	54.00	-8.96	32.79	3	Horizontal	227	2.82	-	12.25	27.78	5.01	-
AV	2.4396G	106.82	Inf	-Inf	32.72	3	Horizontal	227	2.82	-	74.10	27.56	5.16	-
AV	2.4844G	47.91	54.00	-6.09	32.75	3	Horizontal	227	2.82	-	15.16	27.52	5.23	-
PK	2.3664G	57.65	74.00	-16.35	32.76	3	Horizontal	227	2.82	-	24.89	27.73	5.03	-
PK	2.4384G	119.02	Inf	-Inf	32.72	3	Horizontal	227	2.82	-	86.30	27.56	5.16	-
PK	2.4848G	63.45	74.00	-10.55	32.75	3	Horizontal	227	2.82	-	30.70	27.52	5.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

2452MHz_TX

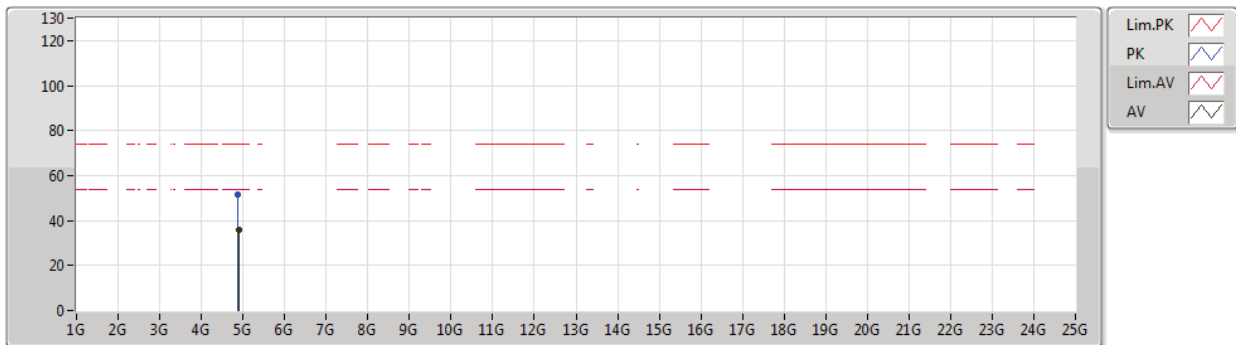


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9213G	35.12	54.00	-18.88	4.56	3	Vertical	24	1.33	-	30.56	31.19	7.42	34.05
PK	4.8841G	52.08	74.00	-21.92	4.43	3	Vertical	24	1.33	-	47.65	31.10	7.38	34.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

12/05/2020

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	4.9164G	35.95	54.00	-18.05	4.54	3	Horizontal	0	1.33	-	31.41	31.17	7.42	34.05
PK	4.8867G	51.67	74.00	-22.33	4.44	3	Horizontal	0	1.33	-	47.23	31.10	7.39	34.05