FCC Test Report

FCC ID	:	**SK6-XH2240**
Equipment	:	**Wireless Access Point**
Brand Name	:	**riverbed**
Model Name	:	**XH2240**
Applicant	:	**RIVERBED TECHNOLOGY, INC. 680 Folsom Street San Francisco, California United States 94107**
Manufacturer	:	**1) Lite-On Network Communication (Dongguan) Limited 30#Keji Rd.,Yin Hu Industrial Area, Qingxi Town, DongGuan City, Guangdong, China 2) LiteOn Technology Corporation ZhuBei Plant 1F, No.20-1, Taiyuan St., Zhubei City, Hsinchu County 30288, Taiwan 3) LiteOn Technology Corporation No.37, Chung Yang Road, N.E.P.Z., Kaohsiung 81170, Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jul. 13, 2018, and testing was started from Jul. 30, 2018 and completed on Aug. 30, 2018. 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.

Allen Lin

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

TEL : 886-3-3273456
FAX : 886-3-3270973

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 7
1.3 Testing Location Information 7
1.4 Measurement Uncertainty 8

2 TEST CONFIGURATION OF EUT **9**

2.1 Test Condition 9
2.2 Test Channel Mode 9
2.3 The Worst Case Measurement Configuration 12
2.4 Accessories 13
2.5 Support Equipment 13
2.6 Test Setup Diagram 14

3 TRANSMITTER TEST RESULT **16**

3.1 AC Power-line Conducted Emissions 16
3.2 DTS Bandwidth 17
3.3 Maximum Conducted Output Power 18
3.4 Power Spectral Density 20
3.5 Emissions in Non-restricted Frequency Bands 21
3.6 Emissions in Restricted Frequency Bands 22

4 TEST EQUIPMENT AND CALIBRATION DATA **25**

APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS

APPENDIX B. TEST RESULTS OF DTS BANDWIDTH

APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER

APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY

APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS

APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS

APPENDIX G. TEST PHOTOS

PHOTOGRAPHS OF EUT V01

History of this test report

Report No.	Version	Description	Issued Date
FR870620AC	01	Initial issue of report	Oct. 03, 2018

Summary of Test Result

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

Reviewed by: Sam Tsai

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11ac VHT20	20	4TX
2.4-2.4835GHz	802.11ac VHT40	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.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Radio	Brand	Model Name	Antenna Type	Connector
1~4	1~2	EAhison	EHS1GA260A	Omni-directional Antenna	N-Type
5~8	1~2	MTI	MT – 953019/NVHD	Dual Band & Quad Polarization Subscriber Antenna	N-Type
9	3	Walsin	RFDPA161300SBAB801	Omni-directional Antenna	MMCX
10		Yetnorson	TLB-2400-3800B	Omni-directional Antenna	MMCX

Ant.	Gain (dBi)		
	2.4G	5G	BT
1~4	2	2	-
5~8	10.23	12.14	-
9	-	-	2.3
10	-	-	2

Note 1: Radio 1 and Radio 2 has two antenna configurations.

Note 2: Ant. 9 was declared to be tested by customer at Bluetooth function.

Ant.	BF Gain (dBi)
	2.4G
1~4	8.02
5~8	16.25

Directional gain = $G_{ANT\ MAX}$ + 10 log(N_{ANT}/N_{SS}) dBi, where N_{SS} = the number of independent spatial streams of data and $G_{ANT\ MAX}$ is.the gain of the antenna having the highest gain (in dBi).

For 2.4GHz function:
For IEEE 802.11 b/g/n mode (4TX/4RX)
Configurations 1: Ant. 1 to Ant. 4 could transmit/receive simultaneously.
Configurations 2: Ant. 5 to Ant. 8 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11 a/n/ac mode (4TX/4RX)
Configurations 1: Ant. 1 to Ant. 4 could transmit/receive simultaneously.
Configurations 2: Ant. 5 to Ant. 8 could transmit/receive simultaneously.
For Bluetooth function:
For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 9 could transmit/receive simultaneously.

1.1.3 EUT Information

EUT support function			
Radio	**2.4G Function**	**5G Function**	**Bluetooth Function**
1	Support	Support	N/A
2	N/A	Support	N/A
3	N/A	N/A	Support

Operational Condition				
EUT Power Type	From PoE			
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

Omni Antenna:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.999	0.004	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.986	0.061	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.99	0.044	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.958	0.186	953.125u	3k

Dual Antenna:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.999	0.004	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.986	0.061	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.99	0.044	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.958	0.186	953.125u	3k

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 558074 D01 v05
- KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted <Non-Beamforming>	TH01-HY	Barry	26.3°C / 60%	16/Aug/2018
RF Conducted < Beamforming>	TH06-HY	Andy	26.3°C / 63%	17/Aug/2018
Radiated <Non-Beamforming>	03CH09-HY	Andy	22.8°C / 59%	30/Aug/2018
Radiated < Beamforming>	03CH09-HY	Andy	23.2°C / 56%	30/Aug/2018
AC Conduction	CO04-HY	Jerry	24.5°C / 55.5%	30/Aug/2018

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Omni Antenna:

Test Software	Putty

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	83
2417MHz	93
2422MHz	95
2437MHz	95
2457MHz	95
2462MHz	89
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	72
2417MHz	74
2422MHz	86
2427MHz	93
2432MHz	101
2437MHz	101
2442MHz	101
2447MHz	89
2452MHz	87
2457MHz	78
2462MHz	72
802.11ac VHT20_Nss1,(MCS0)_4TX	-
2412MHz	67
2417MHz	76
2422MHz	81
2427MHz	90
2432MHz	96

Mode	PowerSetting
2437MHz	100
2442MHz	96
2447MHz	89
2452MHz	82
2457MHz	74
2462MHz	68
802.11ac VHT40_Nss1,(MCS0)_4TX	-
2422MHz	56
2427MHz	58
2432MHz	66
2437MHz	74
2442MHz	74
2447MHz	71
2452MHz	67

Dual Antenna:

Test Software	Putty

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	65
2417MHz	66
2422MHz	72
2427MHz	82
2432MHz	82
2437MHz	74
2442MHz	82
2447MHz	83
2452MHz	78
2457MHz	63
2462MHz	63
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	56
2417MHz	62
2422MHz	70
2427MHz	82

Mode	PowerSetting
2432MHz	83
2437MHz	80
2442MHz	84
2447MHz	80
2452MHz	73
2457MHz	62
2462MHz	62
802.11ac VHT20_Nss1,(MCS0)_4TX	-
2412MHz	55
2417MHz	59
2422MHz	65
2427MHz	74
2432MHz	80
2437MHz	85
2442MHz	84
2447MHz	80
2452MHz	71
2457MHz	63
2462MHz	60
802.11ac VHT40_Nss1,(MCS0)_4TX	-
2422MHz	42
2427MHz	44
2432MHz	47
2437MHz	57
2452MHz	60

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	PoE mode _Non-Beamforming_ Omni Antenna
2	PoE mode _Non-Beamforming_ Dual Antenna
3	PoE mode _ Beamforming_Omni Antenna
4	PoE mode _ Beamforming_Dual Antenna

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	PoE mode _ Omni Antenna		
2	PoE mode _ Dual Antenna		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio 1 (2.4G)+ Radio 2(5G)+ Radio 3(BT)
2	Radio 1 (5G)+ Radio 2(5G)+ Radio 3(BT)
Refer to Sporton Test Report No.: FA870620 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories		
Ground Wire	Signal Line	0.22 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 – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	R33002 / DOC
2	Adapter for NB	DELL	HA65NM130	R35737 / DOC
3	AC Power Source	GW	APS-9102	-
4	PoE	XIRRUS	XP1-MSI-75	-
5	Client	-	-	-

Note.Support equipment No.4,5 was provided by customer.

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	PoE(remote)	XIRRUS	XP1-MSI-75	-

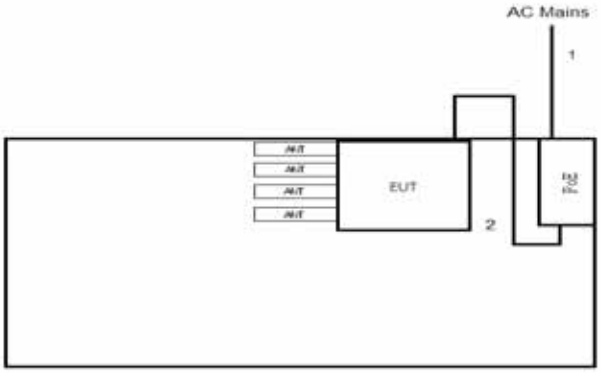
Note.Support equipment No.1 was provided by customer.

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Client	-	-	-
2	PoE	XIRRUS	XP1-MSI-75	-

Note.Support equipment No.1,2 was provided by customer.

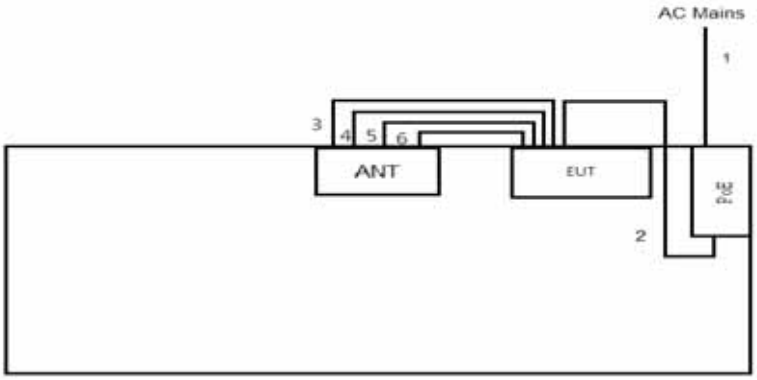
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test - Omni Antenna



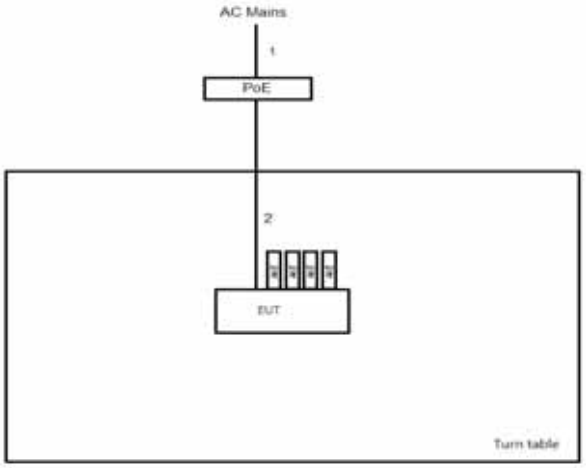
Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	RJ45	No	1.0	-

Test Setup Diagram – AC Line Conducted Emission Test - Dual Antenna



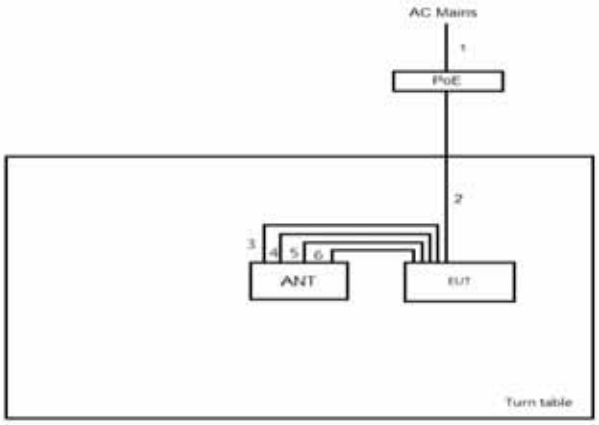
Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	RJ45	No	1.0	-
3	N-TYPE Cable	No	1.2	-
4	N-TYPE Cable	No	1.2	-
5	N-TYPE Cable	No	1.2	-
6	N-TYPE Cable	No	1.2	-

Test Setup Diagram - Radiated Test - Omni Antenna



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.0	-
2	RJ45	No	10	-

Test Setup Diagram - Radiated Test - Dual Antenna



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.0	-
2	RJ45	No	10	-
3	N-TYPE Cable	No	1.2	-
4	N-TYPE Cable	No	1.2	-
5	N-TYPE Cable	No	1.2	-
6	N-TYPE Cable	No	1.2	-

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

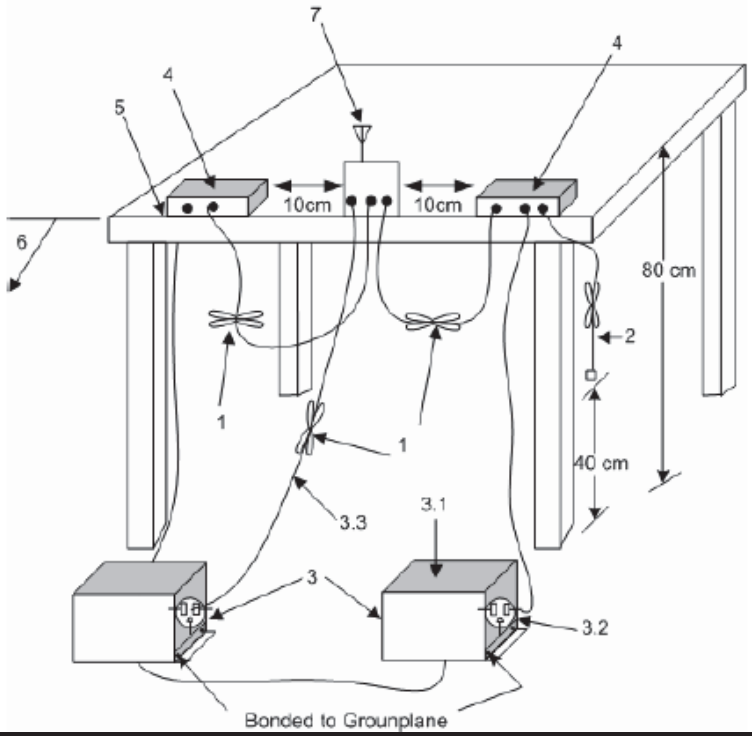
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



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 ≥ 500 kHz.

3.2.2 Measuring Instruments

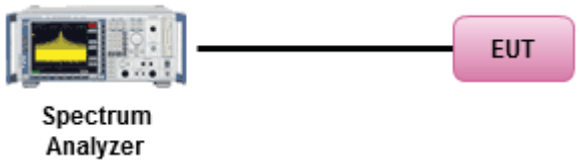
Refer a test equipment and calibration data table in this test report.

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 (11.9.2.2 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



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): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)

3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

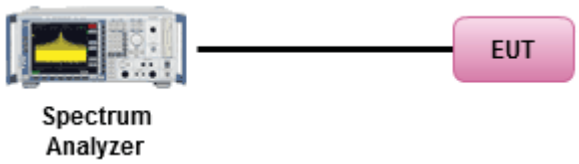
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup

Power Spectral Density


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 PSD 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 PSD level.

3.5.2 Measuring Instruments

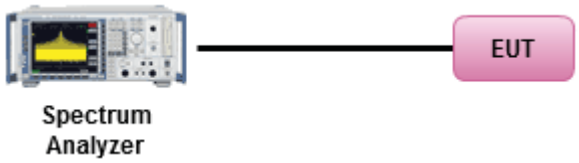
Refer a test equipment and calibration data table in this test report.

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

Emissions in Non-restricted Frequency Bands



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

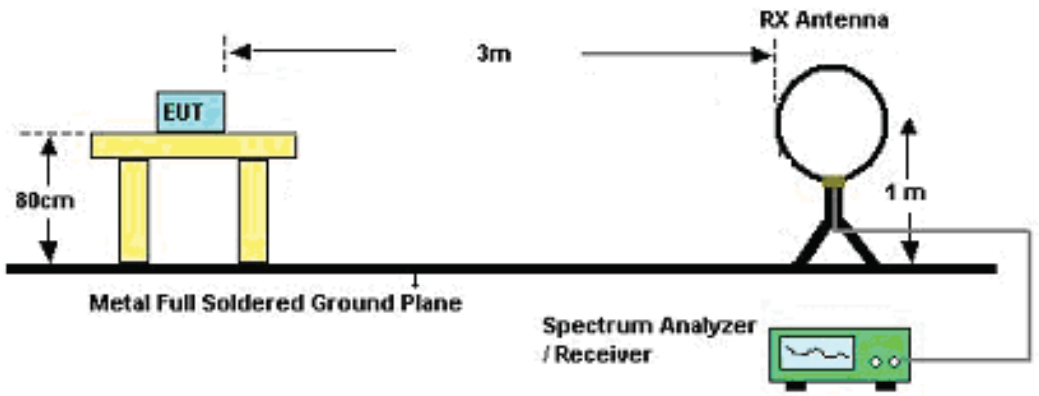
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

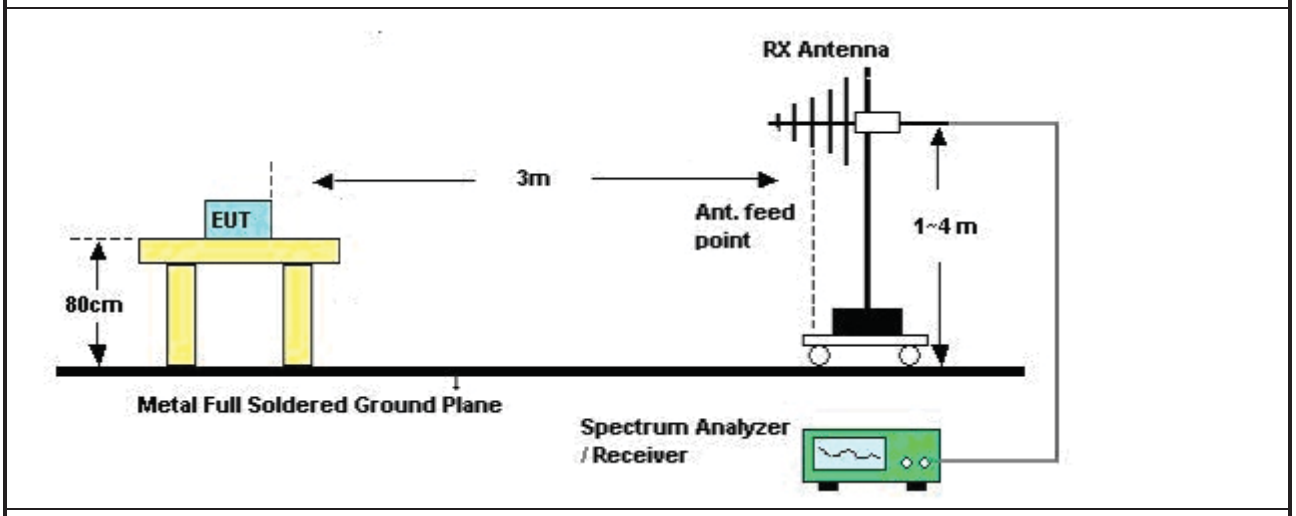
Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).

3.6.4 Test Setup

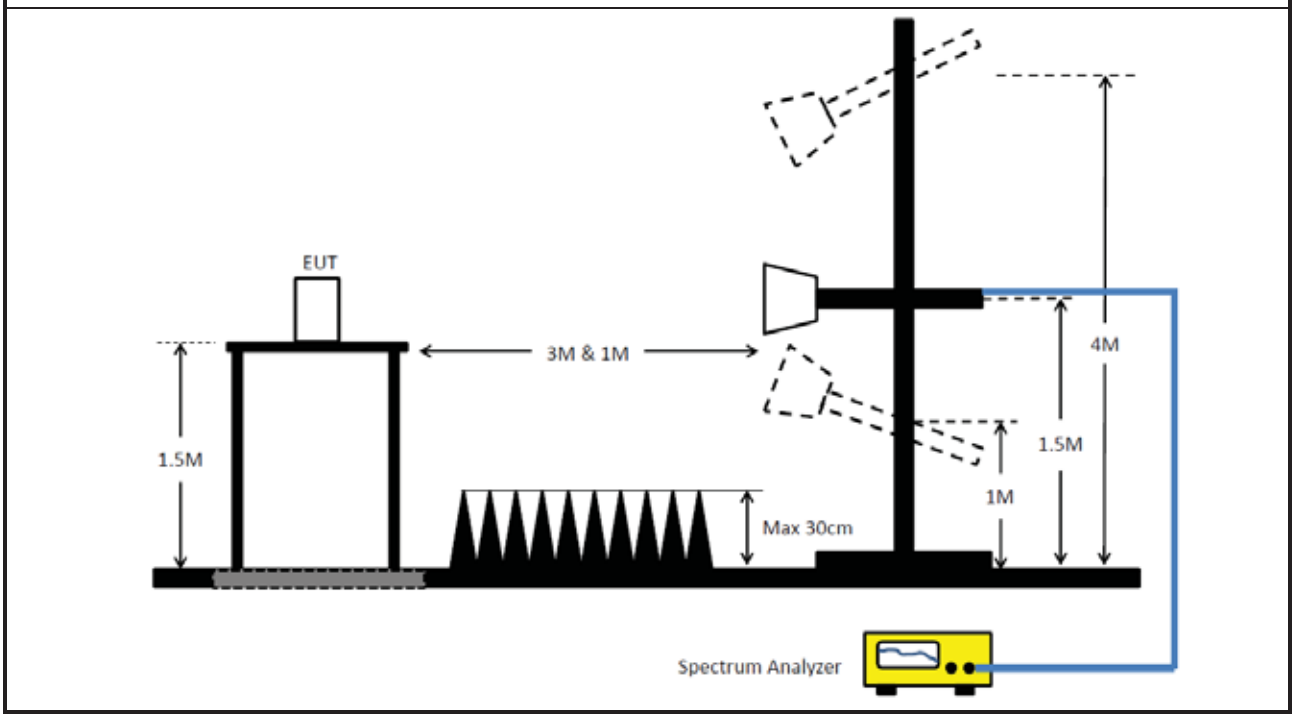
Emissions in Restricted Frequency Bands
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

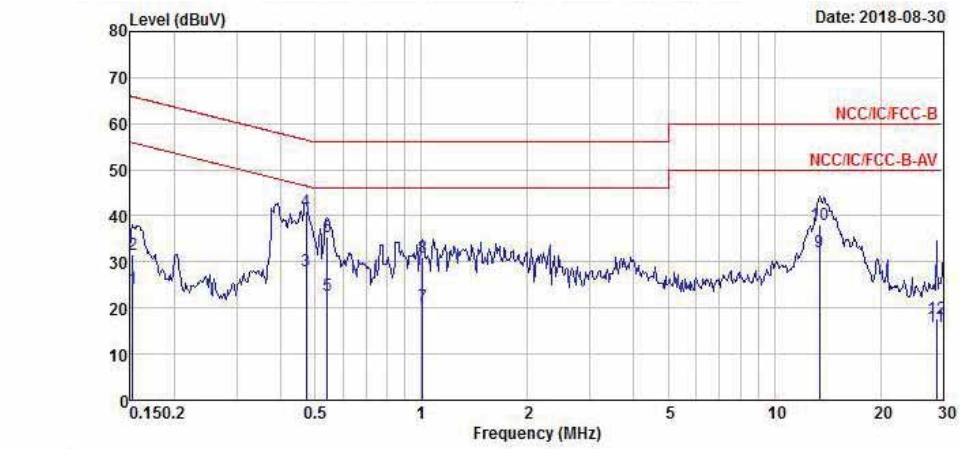
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	20/Oct/2017	19/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	27/Oct/2017	26/Oct/2018
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	12/Dec/2017	11/Dec/2018
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	2723	30MHz ~ 1GHz	09/Sep/2017	08/Sep/2018
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	28/Sep/2017	27/Sep/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	31/Aug/2017	30/Aug/2018

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	06/Nov/2017	05/Nov/2018
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	06/Nov/2017	05/Nov/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	MY37332/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	26/Jul/2018	25/Jul/2019

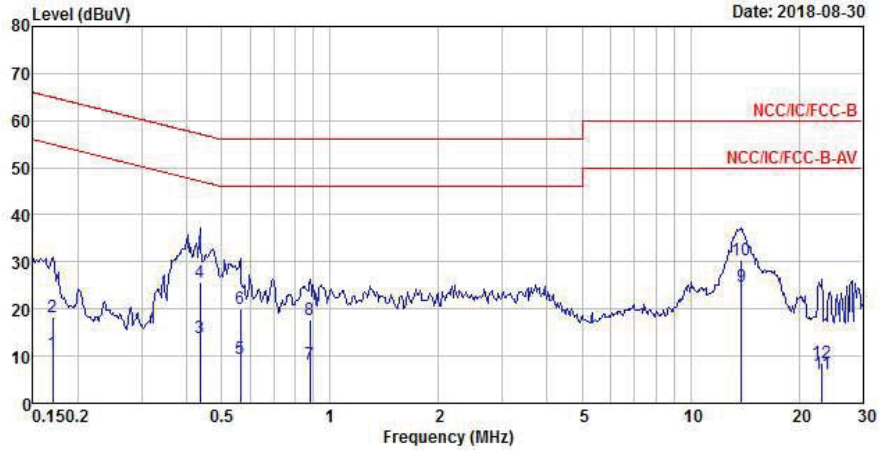
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_ Non-Beamforming_Omni Antenna		



		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	24.07	-31.80	55.87	14.40	9.63	0.04	Average
2		0.15	31.72	-34.15	65.87	22.05	9.63	0.04	QP
3		0.47	28.12	-18.37	46.49	18.43	9.61	0.08	Average
4	MAX	0.47	41.00	-15.49	56.49	31.31	9.61	0.08	QP
5		0.54	22.87	-23.13	46.00	13.19	9.61	0.07	Average
6		0.54	35.51	-20.49	56.00	25.83	9.61	0.07	QP
7		1.01	20.50	-25.50	46.00	10.88	9.62	0.00	Average
8		1.01	30.98	-25.02	56.00	21.36	9.62	0.00	QP
9		13.41	32.25	-17.75	50.00	22.50	9.70	0.05	Average
10		13.41	37.98	-22.02	60.00	28.23	9.70	0.05	QP
11		28.75	16.03	-33.97	50.00	6.11	9.69	0.23	Average
12		28.75	17.83	-42.17	60.00	7.91	9.69	0.23	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

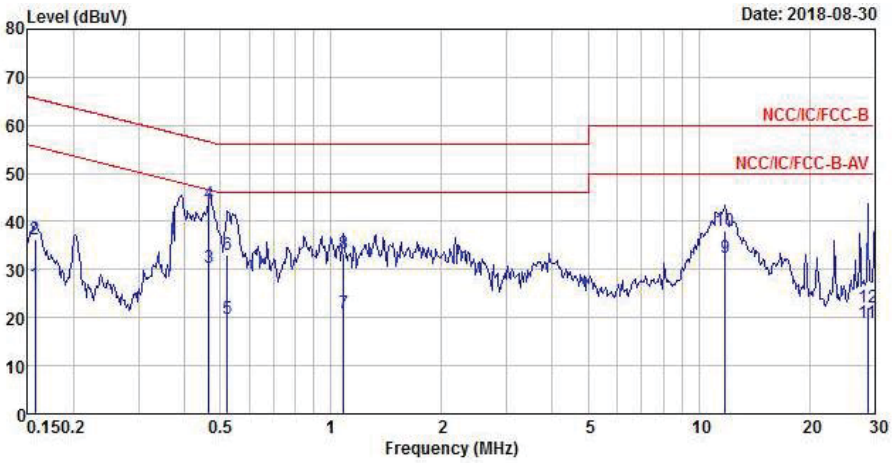
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_ Non-Beamforming_Omni Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	10.63	-44.31	54.94	0.99	9.62	0.02	Average
2	0.17	18.35	-46.59	64.94	8.71	9.62	0.02	QP
3	0.44	13.90	-33.25	47.15	4.20	9.61	0.09	Average
4	0.44	25.74	-31.41	57.15	16.04	9.61	0.09	QP
5	0.56	9.40	-36.60	46.00	-0.27	9.61	0.06	Average
6	0.56	19.99	-36.01	56.00	10.32	9.61	0.06	QP
7	0.88	8.22	-37.78	46.00	-1.40	9.61	0.01	Average
8	0.88	17.64	-38.36	56.00	8.02	9.61	0.01	QP
9 MAX	13.84	24.88	-25.12	50.00	15.20	9.64	0.04	Average
10	13.84	30.54	-29.46	60.00	20.86	9.64	0.04	QP
11	23.14	6.21	-43.79	50.00	-3.44	9.58	0.07	Average
12	23.14	8.64	-51.36	60.00	-1.01	9.58	0.07	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

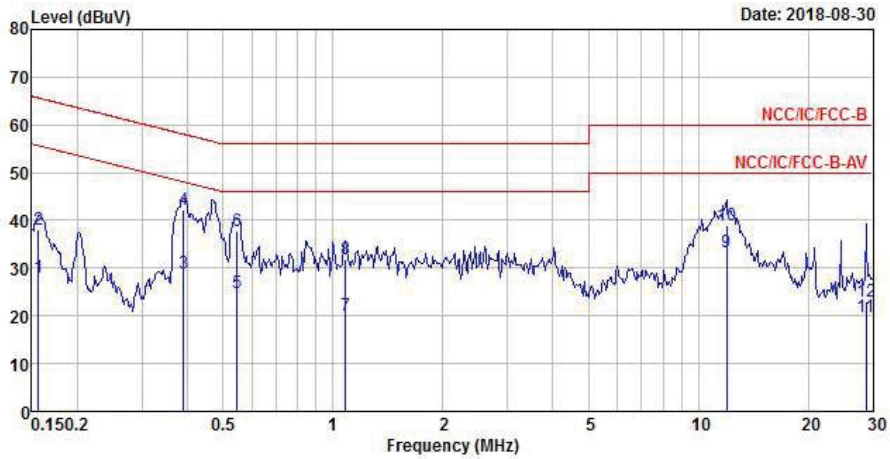
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	PoE mode_ Non-Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	26.94	-28.66	55.60	17.27	9.63	0.04	Average
2	0.16	36.17	-29.43	65.60	26.50	9.63	0.04	QP
3	0.47	30.47	-16.11	46.58	20.78	9.61	0.08	Average
4 MAX	0.47	43.54	-13.04	56.58	33.85	9.61	0.08	QP
5	0.52	19.80	-26.20	46.00	10.12	9.61	0.07	Average
6	0.52	33.14	-22.86	56.00	23.46	9.61	0.07	QP
7	1.08	21.02	-24.98	46.00	11.40	9.62	0.00	Average
8	1.08	33.31	-22.69	56.00	23.69	9.62	0.00	QP
9	11.81	32.52	-17.48	50.00	22.71	9.69	0.12	Average
10	11.81	38.13	-21.87	60.00	28.32	9.69	0.12	QP
11	28.75	19.02	-30.98	50.00	9.10	9.69	0.23	Average
12	28.75	22.20	-37.80	60.00	12.28	9.69	0.23	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

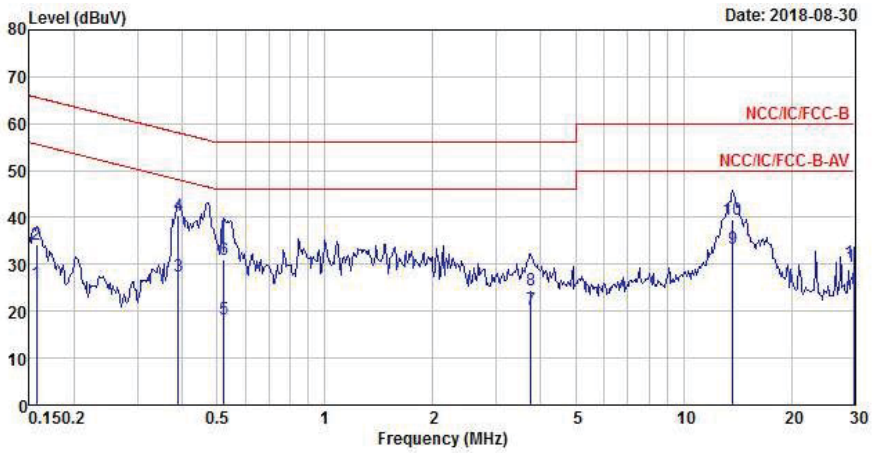
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	PoE mode_ Non-Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	28.11	-27.54	55.65	18.45	9.62	0.04	Average
2	0.16	37.95	-27.70	65.65	28.29	9.62	0.04	QP
3	0.39	28.99	-19.09	48.08	19.28	9.61	0.10	Average
4 MAX	0.39	42.17	-15.91	58.08	32.46	9.61	0.10	QP
5	0.55	24.71	-21.29	46.00	15.03	9.61	0.07	Average
6	0.55	37.64	-18.36	56.00	27.96	9.61	0.07	QP
7	1.08	20.12	-25.88	46.00	10.51	9.61	0.00	Average
8	1.08	31.78	-24.22	56.00	22.17	9.61	0.00	QP
9	11.93	33.41	-16.59	50.00	23.65	9.65	0.11	Average
10	11.93	38.84	-21.16	60.00	29.08	9.65	0.11	QP
11	28.75	19.79	-30.21	50.00	10.05	9.51	0.23	Average
12	28.75	23.14	-36.86	60.00	13.40	9.51	0.23	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

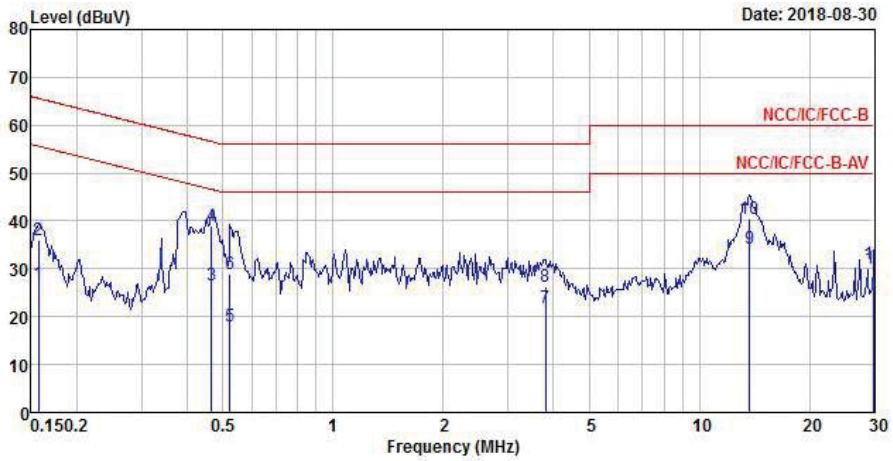
AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Neutral
Operating Function	PoE mode_ Beamforming_Omni Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	25.91	-29.69	55.60	16.24	9.63	0.04	Average
2	0.16	34.30	-31.30	65.60	24.63	9.63	0.04	QP
3	0.39	27.38	-20.70	48.08	17.67	9.61	0.10	Average
4	0.39	40.39	-17.69	58.08	30.68	9.61	0.10	QP
5	0.52	18.32	-27.68	46.00	8.64	9.61	0.07	Average
6	0.52	31.01	-24.99	56.00	21.33	9.61	0.07	QP
7	3.76	20.46	-25.54	46.00	10.74	9.64	0.08	Average
8	3.76	24.45	-31.55	56.00	14.73	9.64	0.08	QP
9 MAX	13.70	33.38	-16.62	50.00	23.64	9.70	0.04	Average
10	13.70	39.66	-20.34	60.00	29.92	9.70	0.04	QP
11	30.00	29.66	-20.34	50.00	19.67	9.69	0.30	Average
12	30.00	30.55	-29.45	60.00	20.56	9.69	0.30	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

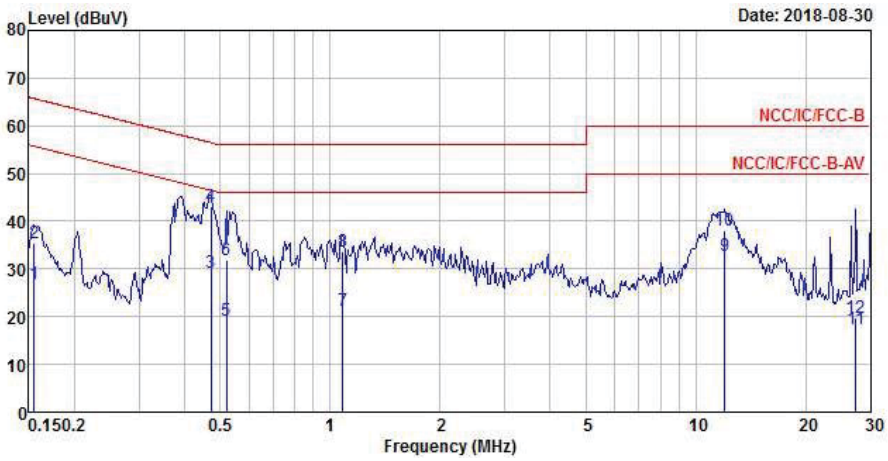
AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Line
Operating Function	PoE mode_ Beamforming_Omni Antenna		



		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.16	26.84	-28.76	55.60	17.18	9.62	0.04	Average
2		0.16	35.90	-29.70	65.60	26.24	9.62	0.04	QP
3		0.47	26.46	-20.12	46.58	16.77	9.61	0.08	Average
4		0.47	39.04	-17.54	56.58	29.35	9.61	0.08	QP
5		0.52	18.08	-27.92	46.00	8.40	9.61	0.07	Average
6		0.52	29.06	-26.94	56.00	19.38	9.61	0.07	QP
7		3.80	21.74	-24.26	46.00	12.03	9.63	0.08	Average
8		3.80	26.35	-29.65	56.00	16.64	9.63	0.08	QP
9	MAX	13.70	34.22	-15.78	50.00	24.54	9.64	0.04	Average
10		13.70	40.48	-19.52	60.00	30.80	9.64	0.04	QP
11		30.00	30.19	-19.81	50.00	20.39	9.50	0.30	Average
12		30.00	30.99	-29.01	60.00	21.19	9.50	0.30	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

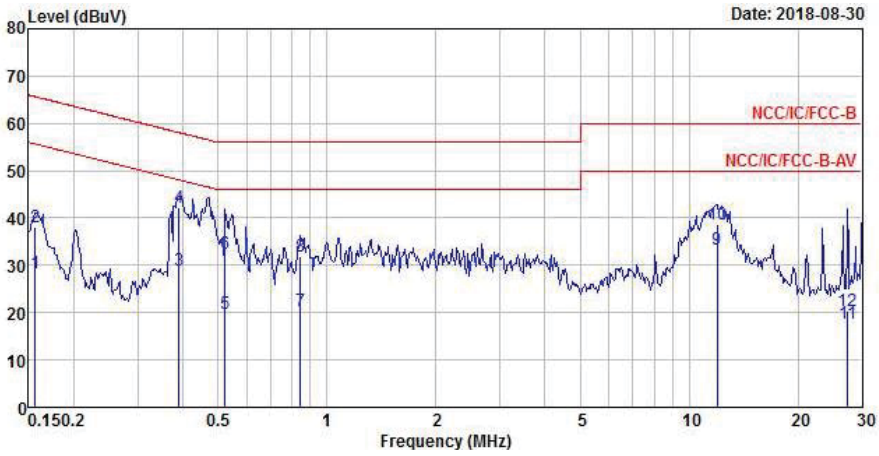
AC Power-line Conducted Emissions Result			
Operating Mode	4	**Power Phase**	Neutral
Operating Function	PoE mode_ Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	27.01	-28.73	55.74	17.34	9.63	0.04	Average
2	0.15	35.45	-30.29	65.74	25.78	9.63	0.04	QP
3	0.47	29.22	-17.27	46.49	19.53	9.61	0.08	Average
4 MAX	0.47	43.02	-13.47	56.49	33.33	9.61	0.08	QP
5	0.52	19.31	-26.69	46.00	9.63	9.61	0.07	Average
6	0.52	31.88	-24.12	56.00	22.20	9.61	0.07	QP
7	1.08	21.40	-24.60	46.00	11.78	9.62	0.00	Average
8	1.08	33.56	-22.44	56.00	23.94	9.62	0.00	QP
9	12.00	32.76	-17.24	50.00	22.95	9.70	0.11	Average
10	12.00	38.06	-21.94	60.00	28.25	9.70	0.11	QP
11	27.42	17.29	-32.71	50.00	7.45	9.69	0.15	Average
12	27.42	19.79	-40.21	60.00	9.95	9.69	0.15	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	4	**Power Phase**	Line
Operating Function	PoE mode_ Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	28.33	-27.32	55.65	18.67	9.62	0.04	Average
2	0.16	38.02	-27.63	65.65	28.36	9.62	0.04	QP
3	0.39	28.94	-19.14	48.08	19.23	9.61	0.10	Average
4 MAX	0.39	42.19	-15.89	58.08	32.48	9.61	0.10	QP
5	0.52	19.70	-26.30	46.00	10.02	9.61	0.07	Average
6	0.52	32.45	-23.55	56.00	22.77	9.61	0.07	QP
7	0.84	20.32	-25.68	46.00	10.69	9.61	0.02	Average
8	0.84	31.89	-24.11	56.00	22.26	9.61	0.02	QP
9	11.93	33.42	-16.58	50.00	23.66	9.65	0.11	Average
10	11.93	38.75	-21.25	60.00	28.99	9.65	0.11	QP
11	27.42	17.60	-32.40	50.00	7.92	9.53	0.15	Average
12	27.42	20.26	-39.74	60.00	10.58	9.53	0.15	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

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	9M	12.044M	12M0G1D	8.025M	10.795M
802.11g_Nss1,(6Mbps)_4TX	16.35M	19.19M	19M2D1D	16.325M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.6M	19.315M	19M3D1D	17.525M	17.691M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.282M	36M3D1D	36.25M	36.182M

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

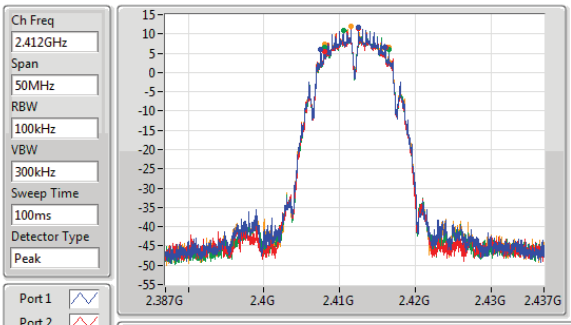
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	8.5M	11.019M	8.075M	10.795M	8.55M	10.795M	8.475M	11.019M
2437MHz_TnomVnom	Pass	500k	8.5M	11.919M	8.575M	11.869M	8.025M	11.769M	8.05M	12.044M
2462MHz_TnomVnom	Pass	500k	9M	11.619M	8.05M	11.019M	8.525M	11.644M	8.55M	11.769M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.35M	16.567M	16.325M	16.567M	16.325M	16.617M	16.35M	16.592M
2437MHz_TnomVnom	Pass	500k	16.325M	19.015M	16.325M	17.441M	16.325M	17.591M	16.325M	19.19M
2462MHz_TnomVnom	Pass	500k	16.325M	16.567M	16.325M	16.617M	16.325M	16.567M	16.35M	16.617M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.575M	17.766M	17.575M	17.766M	17.575M	17.691M	17.575M	17.741M
2437MHz_TnomVnom	Pass	500k	17.55M	19.015M	17.525M	18.366M	17.575M	18.166M	17.55M	19.315M
2462MHz_TnomVnom	Pass	500k	17.575M	17.741M	17.6M	17.716M	17.6M	17.741M	17.6M	17.766M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	36.25M	36.182M	36.3M	36.232M	36.3M	36.232M	36.3M	36.282M
2437MHz_TnomVnom	Pass	500k	36.35M	36.182M	36.35M	36.232M	36.35M	36.282M	36.3M	36.232M
2452MHz_TnomVnom	Pass	500k	36.3M	36.282M	36.3M	36.232M	36.3M	36.232M	36.3M	36.232M

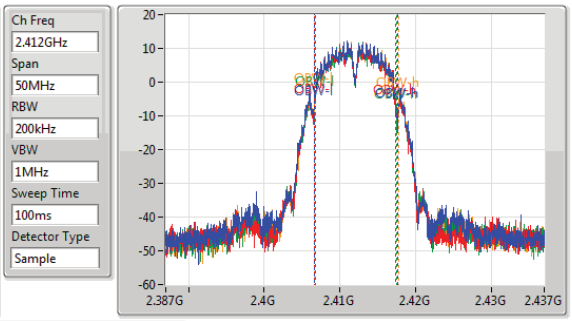
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_4TX EBW

2412MHz

16/08/2018



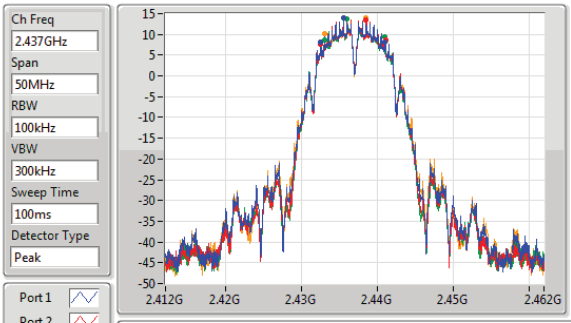


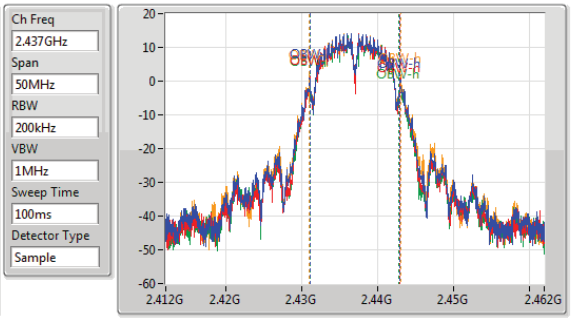
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.407525G	2.416025G	11.019M	2.406578G	2.417597G	500k	1
8.075M	2.407975G	2.41605G	10.795M	2.406603G	2.417397G	500k	2
8.55M	2.407975G	2.416525G	10.795M	2.406728G	2.417522G	500k	3
8.475M	2.408025G	2.4165G	11.019M	2.406703G	2.417722G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2437MHz

16/08/2018



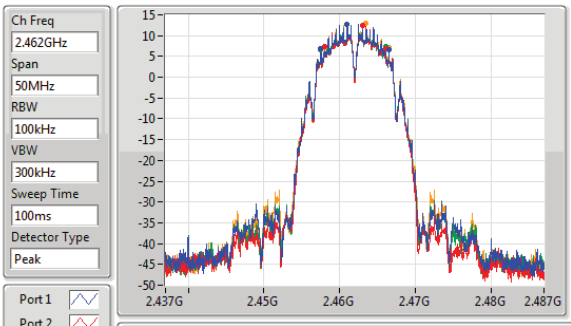


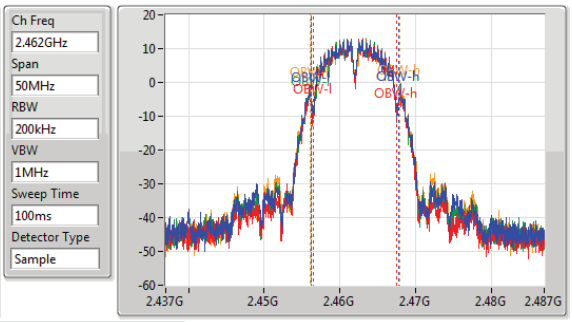
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.432525G	2.441025G	11.919M	2.431028G	2.442947G	500k	1
8.575M	2.432475G	2.44105G	11.869M	2.431078G	2.442947G	500k	2
8.025M	2.433G	2.441025G	11.769M	2.431078G	2.442847G	500k	3
8.05M	2.433G	2.44105G	12.044M	2.430978G	2.443022G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2462MHz

16/08/2018



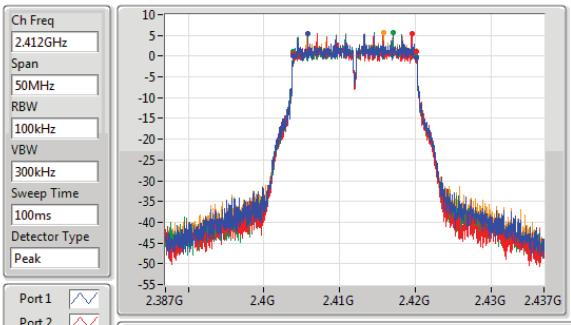


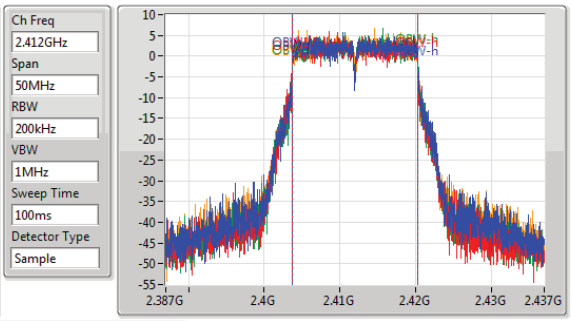
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9M	2.457525G	2.466525G	11.619M	2.456228G	2.467847G	500k	1
8.05M	2.458G	2.46605G	11.019M	2.456453G	2.467472G	500k	2
8.525M	2.457525G	2.46605G	11.644M	2.456203G	2.467847G	500k	3
8.55M	2.457975G	2.466525G	11.769M	2.456128G	2.467897G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2412MHz

16/08/2018



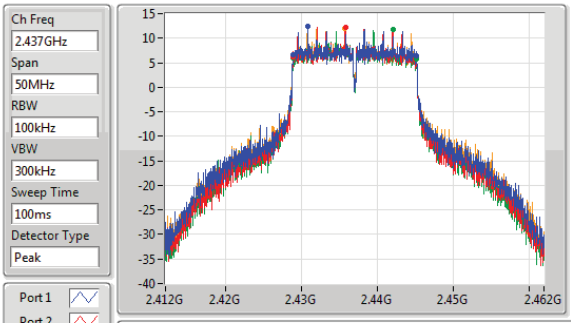


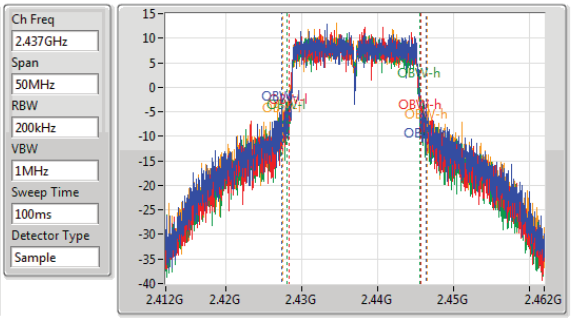
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.40385G	2.4202G	16.567M	2.403754G	2.420321G	500k	1
16.325M	2.40385G	2.420175G	16.567M	2.403704G	2.420271G	500k	2
16.325M	2.403875G	2.4202G	16.617M	2.403704G	2.420321G	500k	3
16.35M	2.40385G	2.4202G	16.592M	2.403704G	2.420296G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2437MHz

16/08/2018



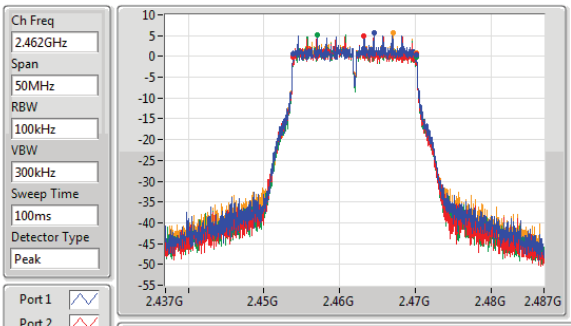


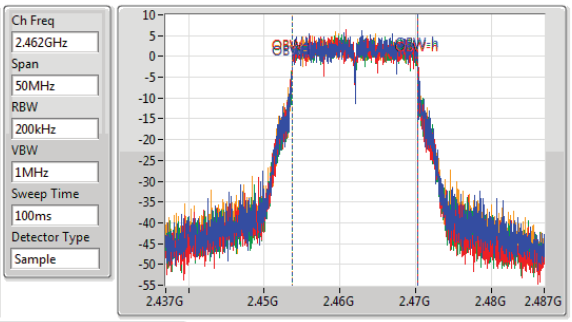
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	19.015M	2.42733G	2.446345G	500k	1
16.325M	2.42885G	2.445175G	17.441M	2.428279G	2.445721G	500k	2
16.325M	2.42885G	2.445175G	17.591M	2.428029G	2.445621G	500k	3
16.325M	2.42885G	2.445175G	19.19M	2.427405G	2.446595G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2462MHz

16/08/2018



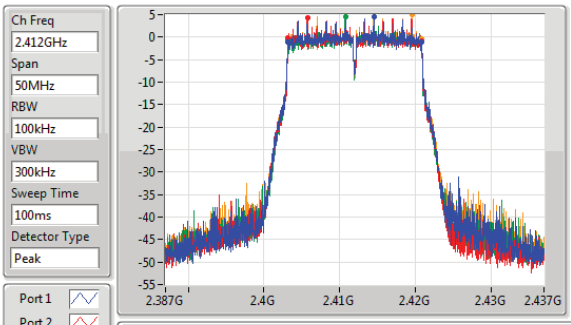


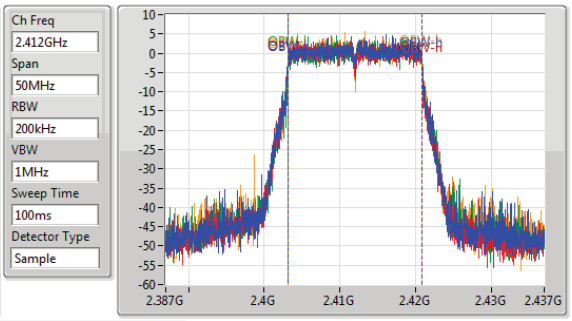
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.567M	2.453704G	2.470271G	500k	1
16.325M	2.45385G	2.470175G	16.617M	2.453679G	2.470296G	500k	2
16.325M	2.45385G	2.470175G	16.567M	2.453704G	2.470271G	500k	3
16.35M	2.453825G	2.470175G	16.617M	2.453679G	2.470296G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

2412MHz

16/08/2018



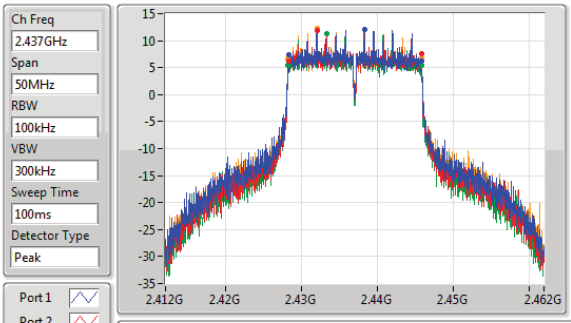


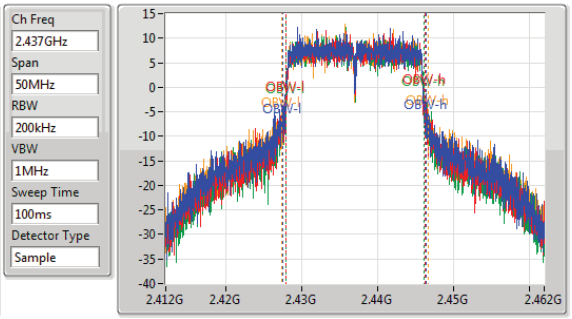
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403225G	2.4208G	17.766M	2.403104G	2.420871G	500k	1
17.575M	2.403225G	2.4208G	17.766M	2.403104G	2.420871G	500k	2
17.575M	2.403225G	2.4208G	17.691M	2.403179G	2.420871G	500k	3
17.575M	2.403225G	2.4208G	17.741M	2.403154G	2.420896G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

2437MHz

16/08/2018



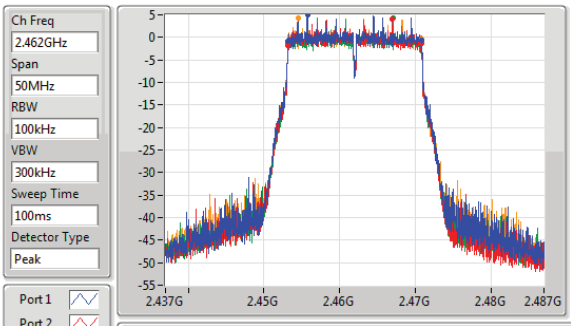


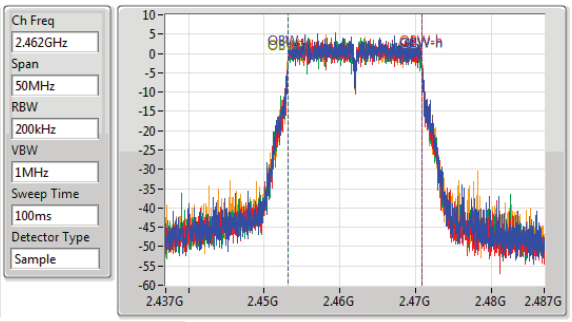
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.42825G	2.4458G	19.015M	2.427405G	2.44642G	500k	1
17.525M	2.42825G	2.445775G	18.366M	2.42783G	2.446195G	500k	2
17.575M	2.428225G	2.4458G	18.166M	2.42793G	2.446095G	500k	3
17.55M	2.428225G	2.445775G	19.315M	2.42738G	2.446695G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

2462MHz

16/08/2018



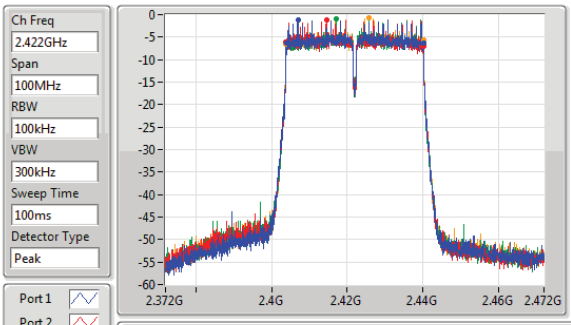


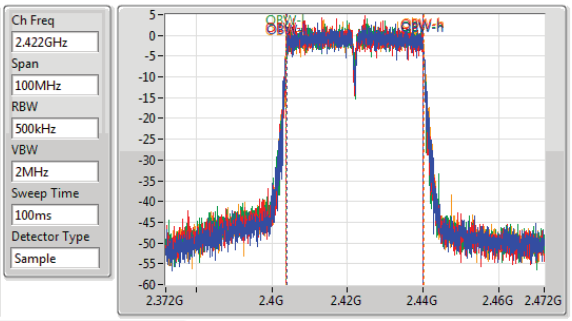
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453225G	2.4708G	17.741M	2.453129G	2.470871G	500k	1
17.6M	2.4532G	2.4708G	17.716M	2.453129G	2.470846G	500k	2
17.6M	2.4532G	2.4708G	17.741M	2.453129G	2.470871G	500k	3
17.6M	2.4532G	2.4708G	17.766M	2.453104G	2.470871G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

2422MHz

16/08/2018



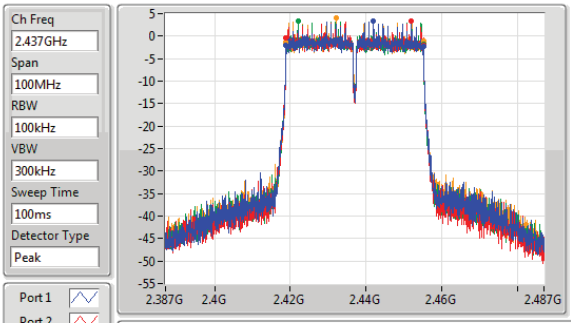


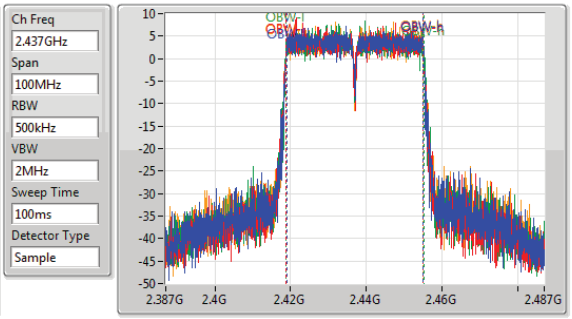
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	2.4039G	2.44015G	36.182M	2.403909G	2.440091G	500k	1
36.3M	2.40385G	2.44015G	36.232M	2.403859G	2.440091G	500k	2
36.3M	2.40385G	2.44015G	36.232M	2.403859G	2.440091G	500k	3
36.3M	2.40385G	2.44015G	36.282M	2.403859G	2.440141G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

2437MHz

16/08/2018



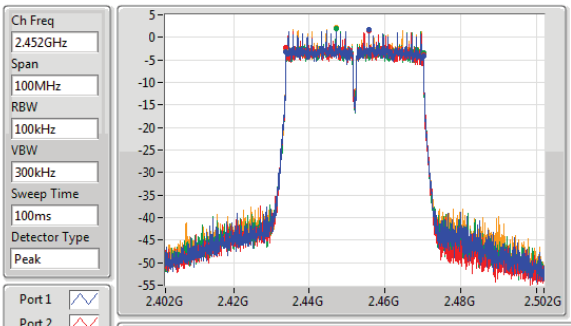


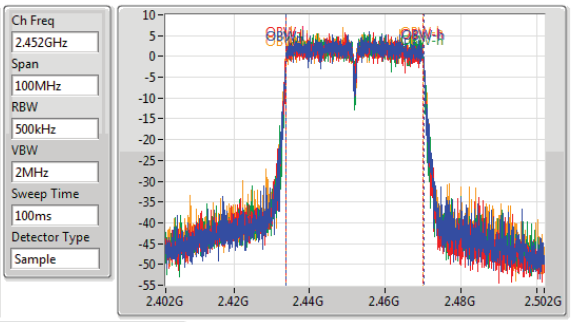
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.41885G	2.4552G	36.182M	2.418909G	2.455091G	500k	1
36.35M	2.41885G	2.4552G	36.232M	2.418859G	2.455091G	500k	2
36.35M	2.41885G	2.4552G	36.282M	2.418859G	2.455141G	500k	3
36.3M	2.41885G	2.45515G	36.232M	2.418859G	2.455091G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

2452MHz

16/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.43385G	2.47015G	36.282M	2.433859G	2.470141G	500k	1
36.3M	2.43385G	2.47015G	36.232M	2.433809G	2.470041G	500k	2
36.3M	2.43385G	2.47015G	36.232M	2.433809G	2.470041G	500k	3
36.3M	2.43385G	2.47015G	36.232M	2.433859G	2.470091G	500k	4

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	9M	11.019M	11M0G1D	8.025M	10.62M
802.11g_Nss1,(6Mbps)_4TX	16.35M	16.642M	16M6D1D	16.325M	16.542M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.625M	17.816M	17M8D1D	17.525M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.332M	36M3D1D	36.25M	36.182M

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

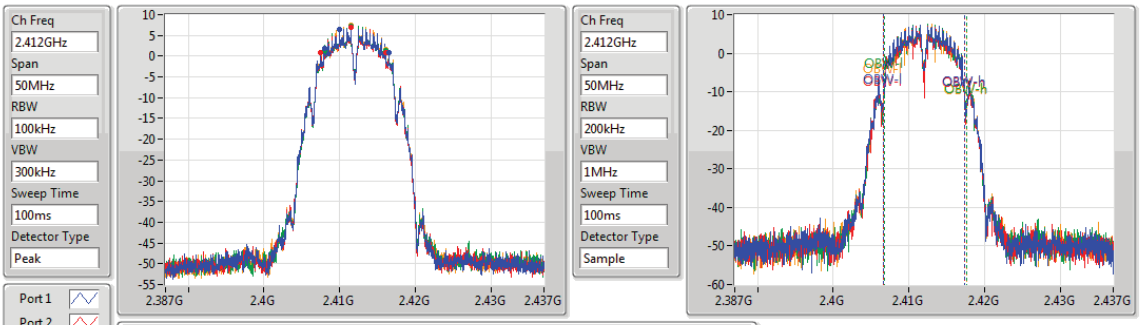
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.55M	10.745M	8.55M	10.795M	8.05M	10.82M	8.075M	10.92M
2437MHz	Pass	500k	8.05M	10.77M	8.55M	10.72M	8.475M	10.77M	8.55M	10.62M
2462MHz	Pass	500k	8.025M	10.795M	9M	10.795M	8.55M	11.019M	8.55M	10.895M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M	16.35M	16.567M	16.35M	16.592M	16.325M	16.542M
2437MHz	Pass	500k	16.325M	16.642M	16.325M	16.617M	16.325M	16.567M	16.325M	16.567M
2462MHz	Pass	500k	16.325M	16.642M	16.325M	16.567M	16.325M	16.542M	16.325M	16.592M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.741M	17.575M	17.766M	17.575M	17.791M	17.6M	17.791M
2437MHz	Pass	500k	17.575M	17.816M	17.575M	17.766M	17.575M	17.791M	17.525M	17.816M
2462MHz	Pass	500k	17.575M	17.791M	17.625M	17.766M	17.6M	17.741M	17.575M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.35M	36.182M	36.35M	36.332M	36.3M	36.182M	36.25M	36.182M
2437MHz	Pass	500k	36.35M	36.282M	36.35M	36.282M	36.3M	36.282M	36.35M	36.282M
2452MHz	Pass	500k	36.3M	36.282M	36.3M	36.282M	36.3M	36.232M	36.3M	36.282M

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

802.11b_Nss1,(1Mbps)_4TX EBW

2412MHz

14/08/2018

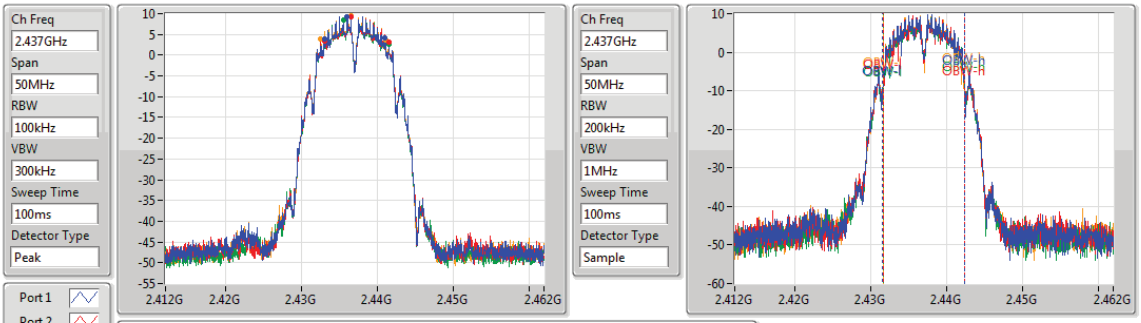


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.407975G	2.416525G	10.745M	2.406628G	2.417372G	500k	1
8.55M	2.4075G	2.41605G	10.795M	2.406628G	2.417422G	500k	2
8.05M	2.408G	2.41605G	10.82M	2.406753G	2.417572G	500k	3
8.075M	2.407975G	2.41605G	10.92M	2.406703G	2.417622G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2437MHz

14/08/2018

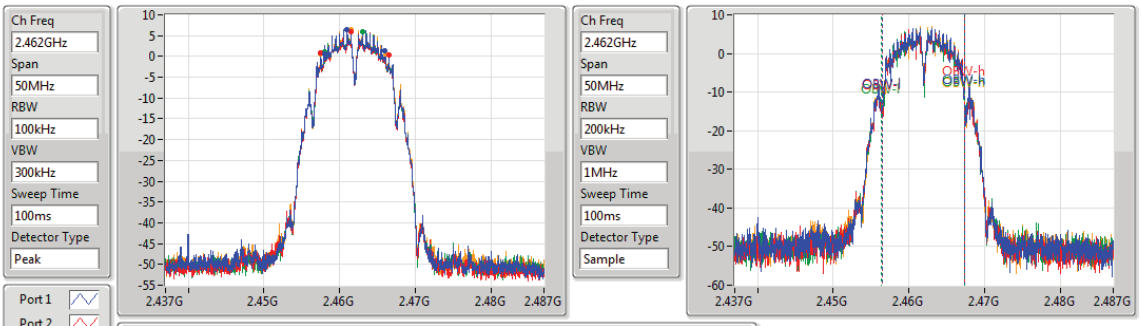


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432975G	2.441025G	10.77M	2.431528G	2.442297G	500k	1
8.55M	2.432975G	2.441525G	10.72M	2.431653G	2.442372G	500k	2
8.475M	2.433025G	2.4415G	10.77M	2.431578G	2.442347G	500k	3
8.55M	2.4325G	2.44105G	10.62M	2.431678G	2.442297G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2462MHz

14/08/2018

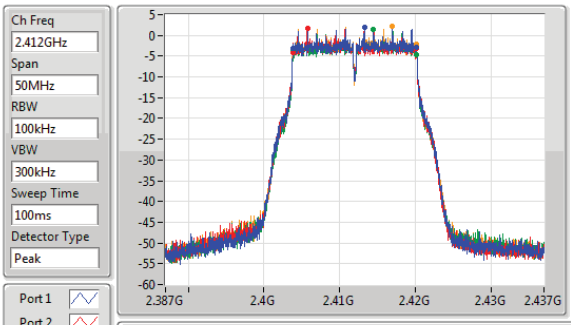


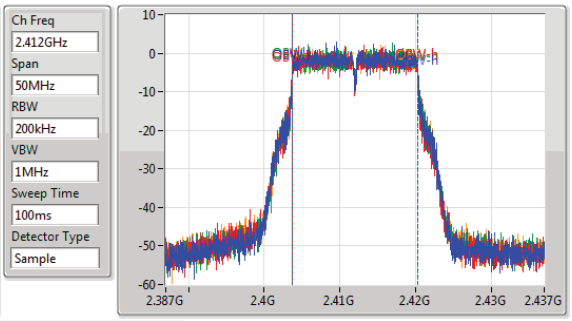
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.457975G	2.466G	10.795M	2.456528G	2.467322G	500k	1
9M	2.457525G	2.466525G	10.795M	2.456503G	2.467297G	500k	2
8.55M	2.457975G	2.466525G	11.019M	2.456353G	2.467372G	500k	3
8.55M	2.4575G	2.46605G	10.895M	2.456478G	2.467372G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2412MHz

14/08/2018



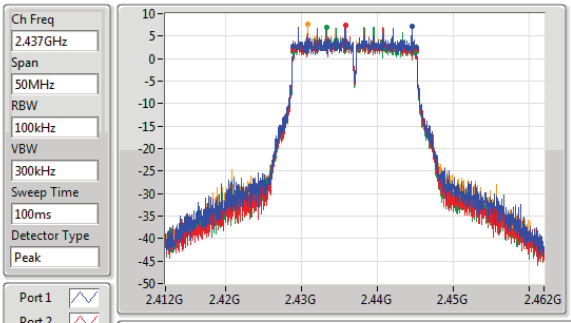


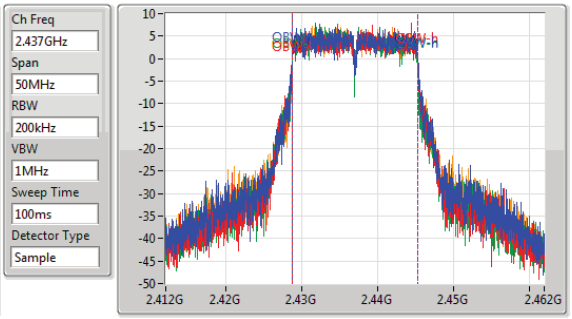
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.40385G	2.420175G	16.592M	2.403729G	2.420321G	500k	1
16.35M	2.403825G	2.420175G	16.567M	2.403704G	2.420271G	500k	2
16.35M	2.40385G	2.4202G	16.592M	2.403704G	2.420296G	500k	3
16.325M	2.40385G	2.420175G	16.542M	2.403729G	2.420271G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2437MHz

14/08/2018



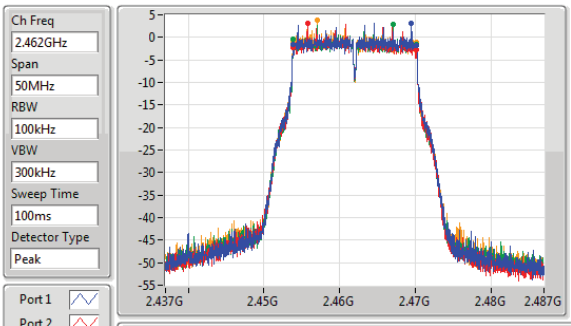


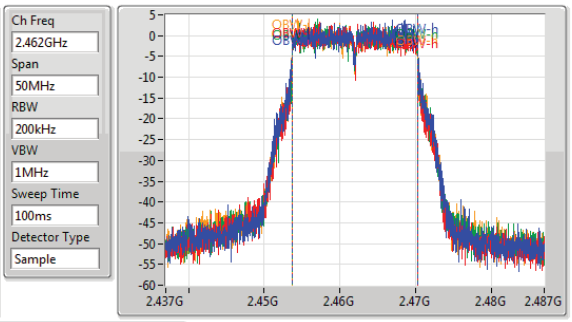
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	16.642M	2.428679G	2.445321G	500k	1
16.325M	2.42885G	2.445175G	16.617M	2.428679G	2.445296G	500k	2
16.325M	2.42885G	2.445175G	16.567M	2.428679G	2.445246G	500k	3
16.325M	2.42885G	2.445175G	16.567M	2.428704G	2.445271G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2462MHz

14/08/2018



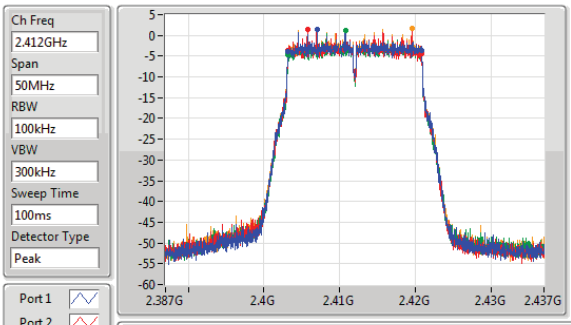


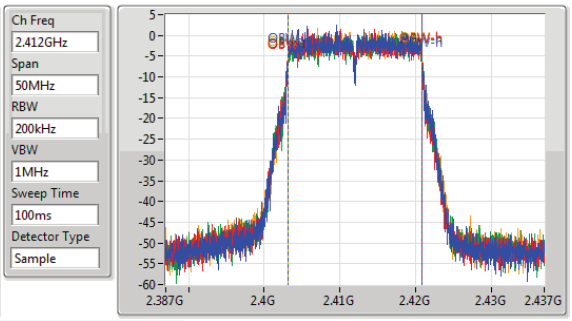
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.642M	2.453679G	2.470321G	500k	1
16.325M	2.45385G	2.470175G	16.567M	2.453704G	2.470271G	500k	2
16.325M	2.45385G	2.470175G	16.542M	2.453729G	2.470271G	500k	3
16.325M	2.45385G	2.470175G	16.592M	2.453679G	2.470271G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

2412MHz

14/08/2018



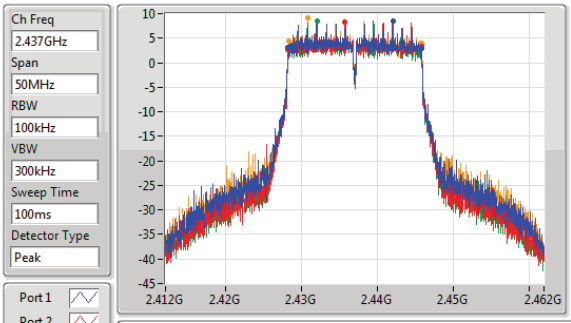


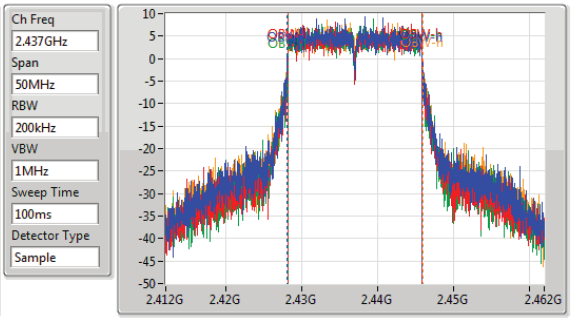
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403225G	2.4208G	17.741M	2.403129G	2.420871G	500k	1
17.575M	2.403225G	2.4208G	17.766M	2.403104G	2.420871G	500k	2
17.575M	2.403225G	2.4208G	17.791M	2.403104G	2.420896G	500k	3
17.6M	2.403225G	2.420825G	17.791M	2.403104G	2.420896G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

2437MHz

14/08/2018



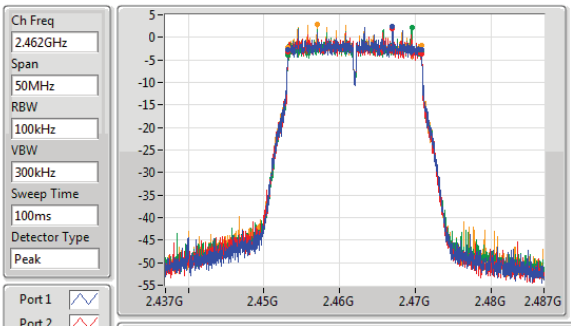


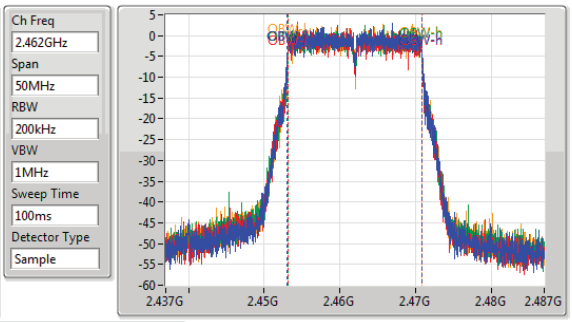
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.428225G	2.4458G	17.816M	2.428079G	2.445896G	500k	1
17.575M	2.428225G	2.4458G	17.766M	2.428104G	2.445871G	500k	2
17.575M	2.428225G	2.4458G	17.791M	2.428104G	2.445896G	500k	3
17.525M	2.42825G	2.445775G	17.816M	2.428129G	2.445946G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

2462MHz

14/08/2018



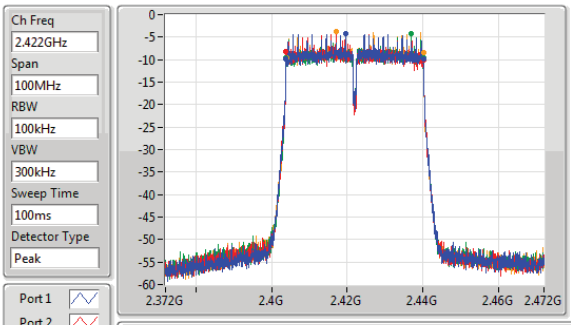


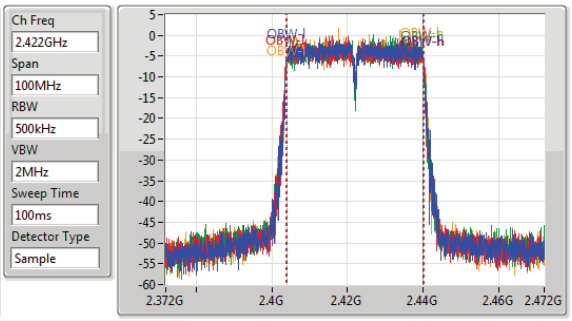
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453225G	2.4708G	17.791M	2.453079G	2.470871G	500k	1
17.625M	2.4532G	2.470825G	17.766M	2.453104G	2.470871G	500k	2
17.6M	2.4532G	2.4708G	17.741M	2.453104G	2.470846G	500k	3
17.575M	2.453225G	2.4708G	17.716M	2.453154G	2.470871G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

2422MHz

14/08/2018



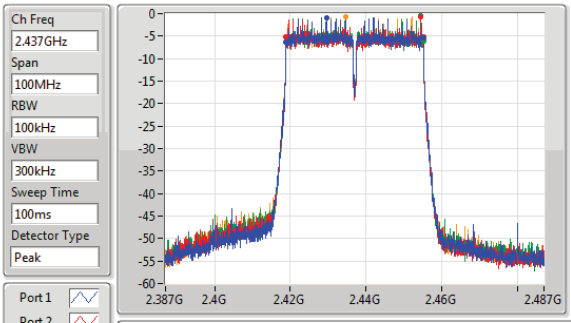


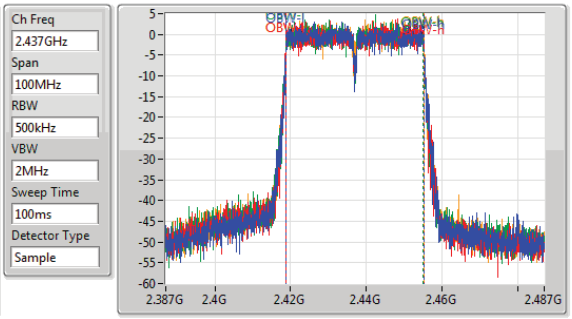
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.40385G	2.4402G	36.182M	2.403909G	2.440091G	500k	1
36.35M	2.40385G	2.4402G	36.332M	2.403809G	2.440141G	500k	2
36.3M	2.40385G	2.44015G	36.182M	2.403859G	2.440041G	500k	3
36.25M	2.4039G	2.44015G	36.182M	2.403909G	2.440091G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

2437MHz

14/08/2018



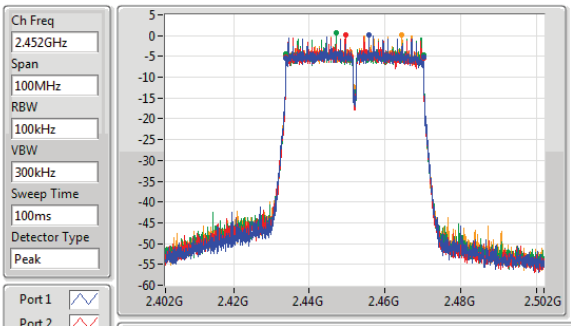


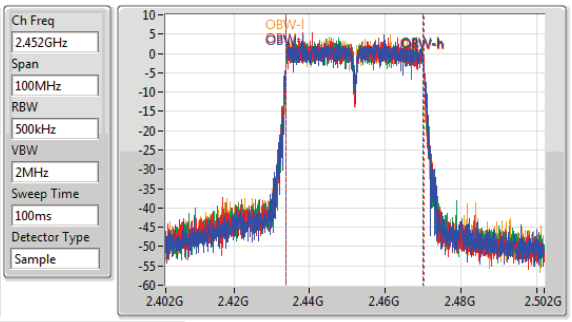
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.41885G	2.4552G	36.282M	2.418859G	2.455141G	500k	1
36.35M	2.41885G	2.4552G	36.282M	2.418859G	2.455141G	500k	2
36.3M	2.41885G	2.45515G	36.282M	2.418809G	2.455091G	500k	3
36.35M	2.41885G	2.4552G	36.282M	2.418859G	2.455141G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

2452MHz

14/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.43385G	2.47015G	36.282M	2.433809G	2.470091G	500k	1
36.3M	2.43385G	2.47015G	36.282M	2.433859G	2.470141G	500k	2
36.3M	2.43385G	2.47015G	36.232M	2.433859G	2.470091G	500k	3
36.3M	2.43385G	2.47015G	36.282M	2.433809G	2.470091G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.575M	18.241M	18M2D1D	15.65M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.35M	36.332M	36M3D1D	20M	35.982M

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

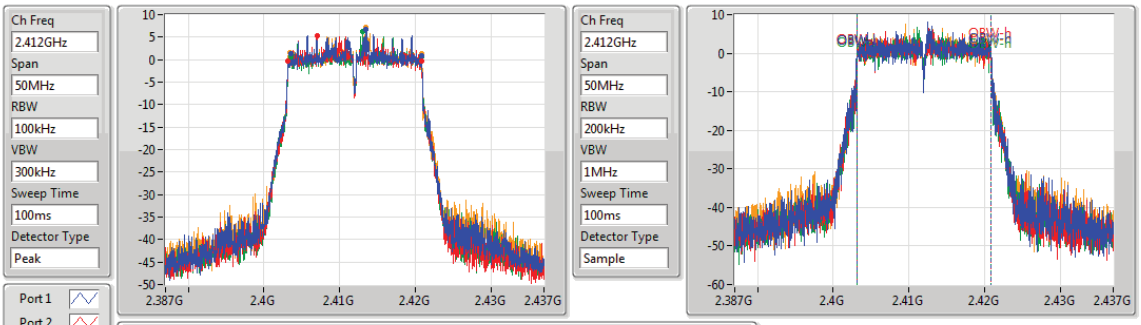
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.15M	17.791M	17.575M	17.716M	17.175M	17.741M	17.275M	17.716M
2437MHz_TnomVnom	Pass	500k	16.75M	18.166M	17.125M	17.941M	15.65M	17.866M	17.525M	18.241M
2462MHz_TnomVnom	Pass	500k	17.525M	17.741M	17.575M	17.716M	16.675M	17.716M	17.55M	17.741M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	33.8M	36.132M	36.3M	36.182M	35.05M	36.232M	36.3M	36.132M
2437MHz_TnomVnom	Pass	500k	33.75M	36.182M	36.3M	36.332M	26.25M	36.182M	36.35M	36.132M
2452MHz_TnomVnom	Pass	500k	20M	35.982M	36.3M	36.082M	30M	36.282M	31.35M	36.182M

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

2412MHz

17/08/2018

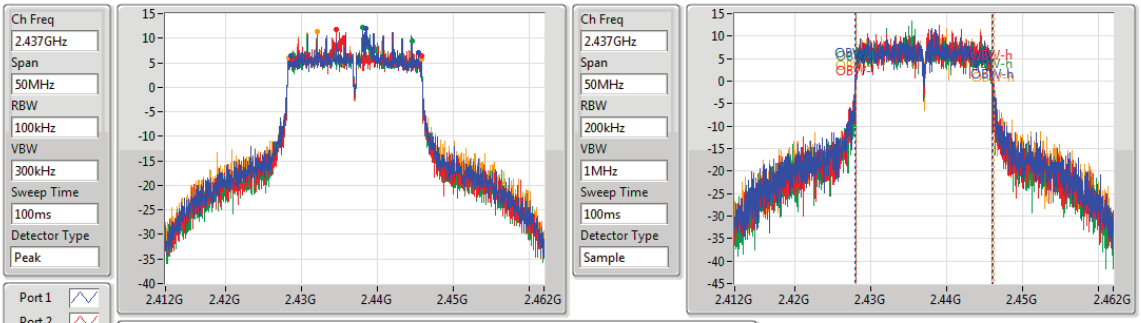


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.403625G	2.420775G	17.791M	2.403104G	2.420896G	500k	1
17.575M	2.403225G	2.4208G	17.716M	2.403129G	2.420846G	500k	2
17.175M	2.403625G	2.4208G	17.741M	2.403129G	2.420871G	500k	3
17.275M	2.4035G	2.420775G	17.716M	2.403154G	2.420871G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

2437MHz

17/08/2018

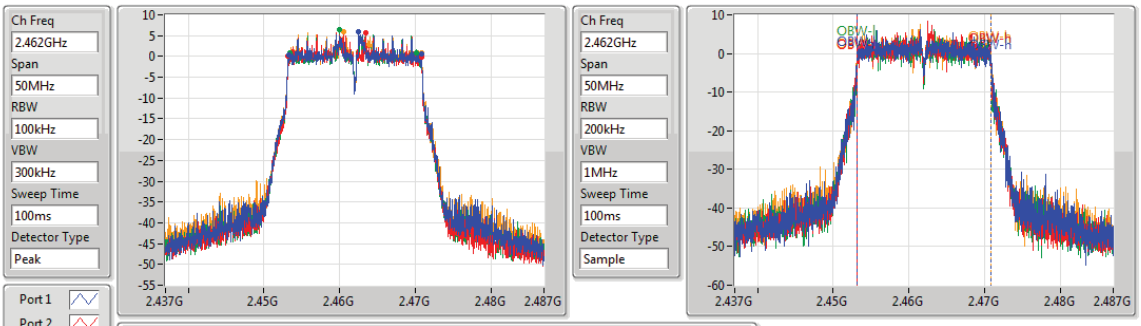


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.75M	2.428625G	2.445375G	18.166M	2.42793G	2.446095G	500k	1
17.125M	2.42865G	2.445775G	17.941M	2.428029G	2.445971G	500k	2
15.65M	2.4289G	2.44455G	17.866M	2.428054G	2.445921G	500k	3
17.525M	2.42825G	2.445775G	18.241M	2.427955G	2.446195G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

2462MHz

17/08/2018

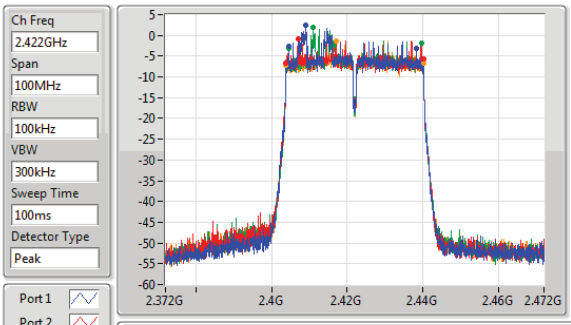


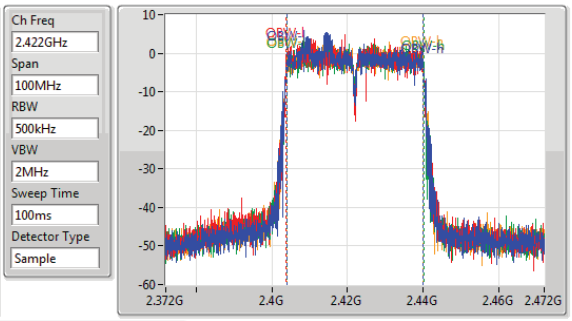
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.45325G	2.470775G	17.741M	2.453129G	2.470871G	500k	1
17.575M	2.453225G	2.4708G	17.716M	2.453129G	2.470846G	500k	2
16.675M	2.4535G	2.470175G	17.716M	2.453129G	2.470846G	500k	3
17.55M	2.453225G	2.470775G	17.741M	2.453129G	2.470871G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

2422MHz

17/08/2018



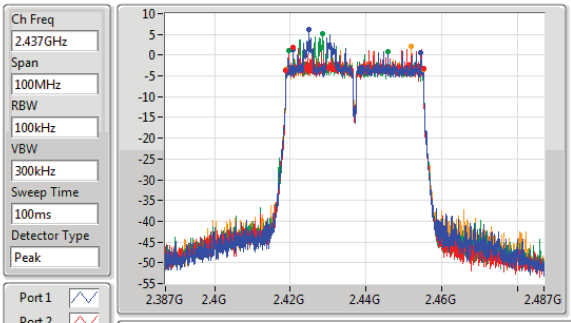


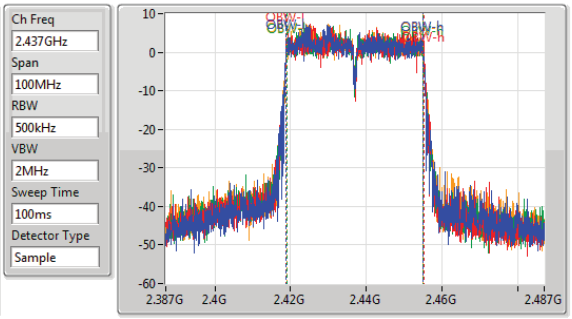
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.8M	2.4045G	2.4383G	36.132M	2.403909G	2.440041G	500k	1
36.3M	2.40385G	2.44015G	36.182M	2.403859G	2.440041G	500k	2
35.05M	2.4045G	2.43955G	36.232M	2.403909G	2.440141G	500k	3
36.3M	2.40385G	2.44015G	36.132M	2.403909G	2.440041G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

2437MHz

17/08/2018



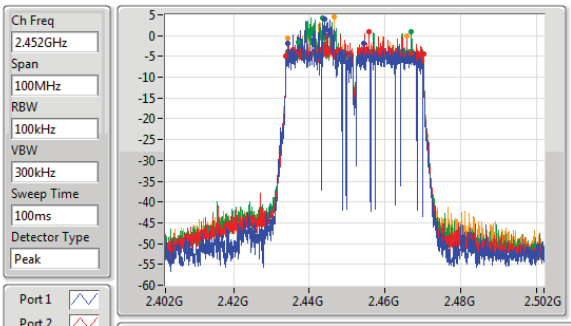


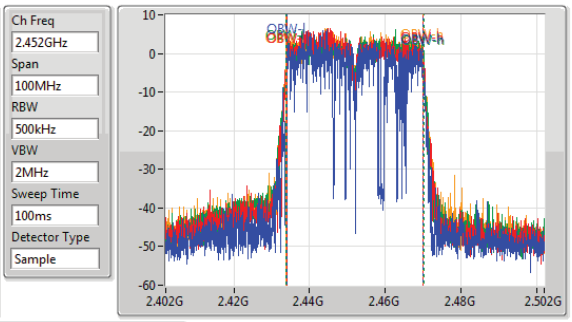
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.75M	2.42075G	2.4545G	36.182M	2.418859G	2.455041G	500k	1
36.3M	2.41885G	2.45515G	36.332M	2.418809G	2.455141G	500k	2
26.25M	2.4195G	2.44575G	36.182M	2.418909G	2.455091G	500k	3
36.35M	2.41885G	2.4552G	36.132M	2.418909G	2.455041G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

2452MHz

17/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	2.43445G	2.45445G	35.982M	2.433909G	2.469891G	500k	1
36.3M	2.43385G	2.47015G	36.082M	2.433909G	2.469991G	500k	2
30M	2.437G	2.467G	36.282M	2.433859G	2.470141G	500k	3
31.35M	2.43445G	2.4658G	36.182M	2.433859G	2.470041G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.575M	17.766M	17M8D1D	15.125M	17.666M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.3M	36.332M	36M3D1D	22.5M	36.082M

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

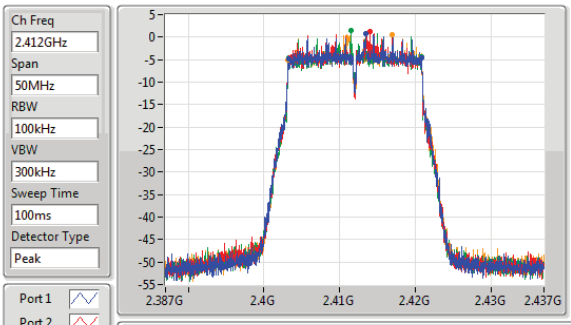
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.55M	17.766M	17.275M	17.691M	17.525M	17.691M	17.575M	17.741M
2437MHz_TnomVnom	Pass	500k	15.125M	17.741M	16.75M	17.666M	16.05M	17.691M	17.575M	17.716M
2462MHz_TnomVnom	Pass	500k	17.55M	17.716M	16.45M	17.741M	17.525M	17.716M	17.525M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	33.75M	36.132M	35M	36.182M	33.4M	36.132M	31.3M	36.182M
2437MHz_TnomVnom	Pass	500k	32.55M	36.332M	36.25M	36.232M	33.75M	36.182M	35M	36.232M
2452MHz_TnomVnom	Pass	500k	22.5M	36.282M	36.3M	36.082M	36.3M	36.182M	36.3M	36.182M

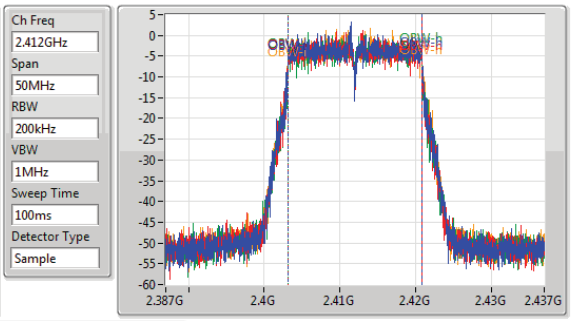
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

2412MHz

17/08/2018



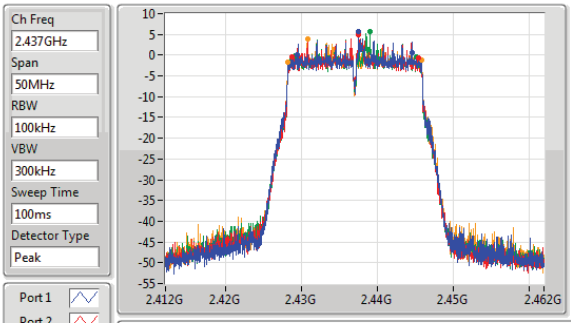


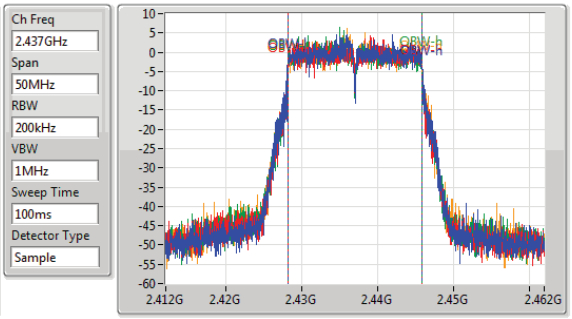
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.40325G	2.4208G	17.766M	2.403129G	2.420896G	500k	1
17.275M	2.4035G	2.420775G	17.691M	2.403154G	2.420846G	500k	2
17.525M	2.40325G	2.420775G	17.691M	2.403154G	2.420846G	500k	3
17.575M	2.403225G	2.4208G	17.741M	2.403154G	2.420896G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

2437MHz

17/08/2018



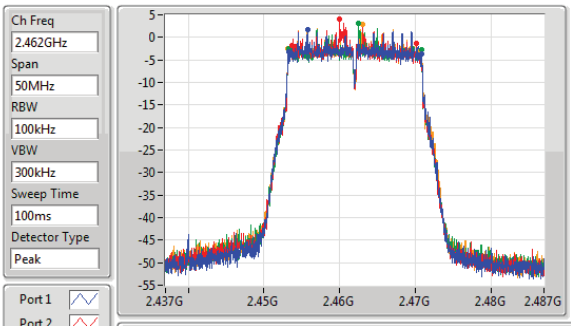


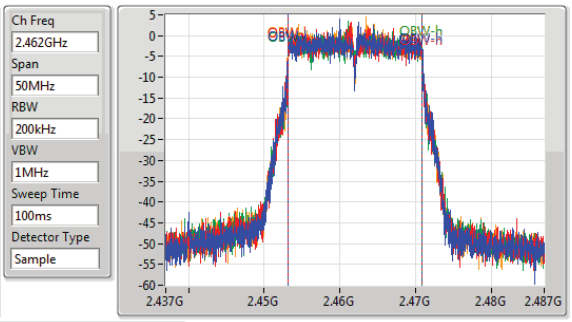
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.125M	2.42945G	2.444575G	17.741M	2.428129G	2.445871G	500k	1
16.75M	2.42865G	2.4454G	17.666M	2.428179G	2.445846G	500k	2
16.05M	2.4291G	2.44515G	17.691M	2.428154G	2.445846G	500k	3
17.575M	2.428225G	2.4458G	17.716M	2.428129G	2.445846G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

2462MHz

17/08/2018



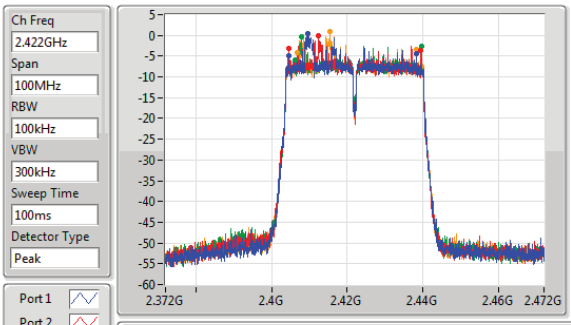


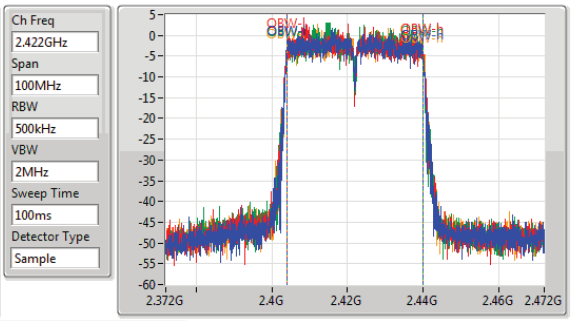
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.45325G	2.4708G	17.716M	2.453154G	2.470871G	500k	1
16.45M	2.453675G	2.470125G	17.741M	2.453129G	2.470871G	500k	2
17.525M	2.45325G	2.470775G	17.716M	2.453129G	2.470846G	500k	3
17.525M	2.453225G	2.47075G	17.691M	2.453154G	2.470846G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

2422MHz

17/08/2018



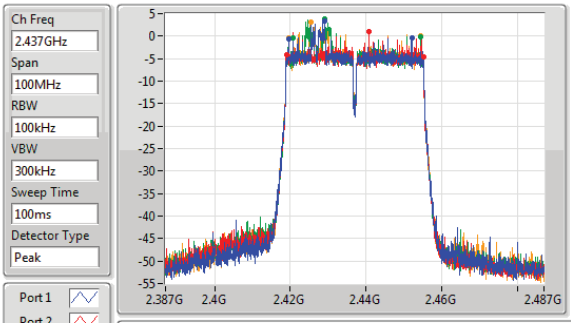


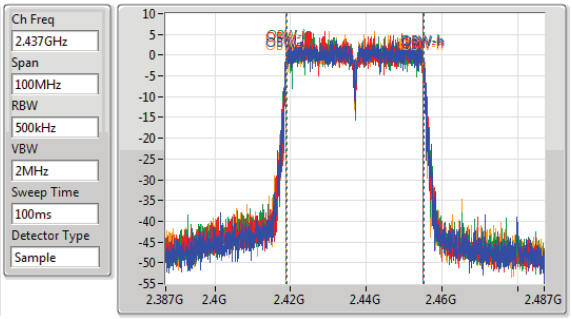
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.75M	2.40455G	2.4383G	36.132M	2.403909G	2.440041G	500k	1
35M	2.4045G	2.4395G	36.182M	2.403909G	2.440091G	500k	2
33.4M	2.40615G	2.43955G	36.132M	2.403909G	2.440041G	500k	3
31.3M	2.40695G	2.43825G	36.182M	2.403909G	2.440091G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

2437MHz

17/08/2018



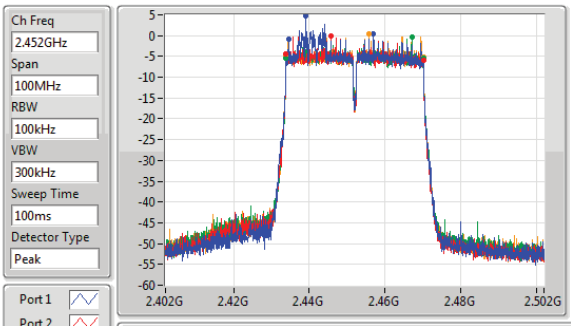


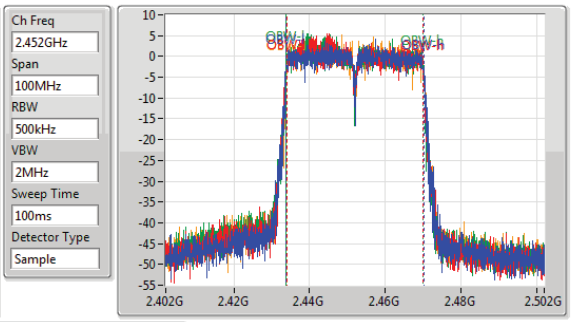
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	2.4195G	2.45205G	36.332M	2.418809G	2.455141G	500k	1
36.25M	2.4189G	2.45515G	36.232M	2.418859G	2.455091G	500k	2
33.75M	2.42075G	2.4545G	36.182M	2.418909G	2.455091G	500k	3
35M	2.4195G	2.4545G	36.232M	2.418859G	2.455091G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

2452MHz

17/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.5M	2.4345G	2.457G	36.282M	2.433859G	2.470141G	500k	1
36.3M	2.43385G	2.47015G	36.082M	2.433909G	2.469991G	500k	2
36.3M	2.43385G	2.47015G	36.182M	2.433859G	2.470041G	500k	3
36.3M	2.43385G	2.47015G	36.182M	2.433909G	2.470091G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	28.48	0.70469
802.11g_Nss1,(6Mbps)_4TX	28.76	0.75162
802.11ac VHT20_Nss1,(MCS0)_4TX	28.52	0.71121
802.11ac VHT40_Nss1,(MCS0)_4TX	23.55	0.22646

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	2.00	19.89	19.85	19.82	20.20	25.96	30.00
2417MHz_TnomVnom	Pass	2.00	22.14	21.92	22.20	22.05	28.10	30.00
2422MHz_TnomVnom	Pass	2.00	22.46	22.47	22.13	22.77	28.48	30.00
2437MHz_TnomVnom	Pass	2.00	22.29	22.25	22.08	22.31	28.25	30.00
2457MHz_TnomVnom	Pass	2.00	22.16	22.04	21.81	22.27	28.09	30.00
2462MHz_TnomVnom	Pass	2.00	21.08	20.95	21.20	21.24	27.14	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.00	17.26	16.75	16.93	17.24	23.07	30.00
2417MHz_TnomVnom	Pass	2.00	17.55	17.45	17.31	17.56	23.49	30.00
2422MHz_TnomVnom	Pass	2.00	20.23	19.76	19.97	20.24	26.08	30.00
2427MHz_TnomVnom	Pass	2.00	21.50	21.38	20.89	21.58	27.37	30.00
2432MHz_TnomVnom	Pass	2.00	22.79	22.69	22.48	22.82	28.72	30.00
2437MHz_TnomVnom	Pass	2.00	22.84	22.74	22.57	22.80	28.76	30.00
2442MHz_TnomVnom	Pass	2.00	22.78	22.56	22.51	22.76	28.67	30.00
2447MHz_TnomVnom	Pass	2.00	20.67	20.49	20.31	20.41	26.49	30.00
2452MHz_TnomVnom	Pass	2.00	20.15	19.98	19.84	20.25	26.08	30.00
2457MHz_TnomVnom	Pass	2.00	18.32	17.84	17.90	18.22	24.10	30.00
2462MHz_TnomVnom	Pass	2.00	16.91	16.69	16.55	17.02	22.82	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.00	15.91	15.69	15.41	16.20	21.83	30.00
2417MHz_TnomVnom	Pass	2.00	18.01	17.76	17.71	18.05	23.91	30.00
2422MHz_TnomVnom	Pass	2.00	19.05	18.78	18.71	19.14	24.94	30.00
2427MHz_TnomVnom	Pass	2.00	20.94	20.82	20.59	20.80	26.81	30.00
2432MHz_TnomVnom	Pass	2.00	21.94	21.94	21.61	22.04	27.91	30.00
2437MHz_TnomVnom	Pass	2.00	22.66	22.50	22.25	22.57	28.52	30.00
2442MHz_TnomVnom	Pass	2.00	21.93	21.82	21.63	22.11	27.90	30.00
2447MHz_TnomVnom	Pass	2.00	20.59	20.35	20.09	20.69	26.46	30.00
2452MHz_TnomVnom	Pass	2.00	19.05	18.79	18.82	19.16	24.98	30.00
2457MHz_TnomVnom	Pass	2.00	17.28	16.64	16.80	17.35	23.05	30.00
2462MHz_TnomVnom	Pass	2.00	15.84	15.47	15.53	15.99	21.73	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.00	13.32	12.99	13.29	13.45	19.29	30.00
2427MHz_TnomVnom	Pass	2.00	13.81	13.59	13.75	13.85	19.77	30.00
2432MHz_TnomVnom	Pass	2.00	15.72	15.56	15.61	15.69	21.67	30.00
2437MHz_TnomVnom	Pass	2.00	17.55	17.43	17.56	17.56	23.55	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
2442MHz_TnomVnom	Pass	2.00	17.52	17.36	17.51	17.57	23.51	30.00
2447MHz_TnomVnom	Pass	2.00	16.71	16.48	16.64	16.90	22.71	30.00
2452MHz_TnomVnom	Pass	2.00	15.77	15.50	15.69	16.05	21.78	30.00

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted average output power is for reference only

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	25.73	0.37411
802.11g_Nss1,(6Mbps)_4TX	25.63	0.36559
802.11ac VHT20_Nss1,(MCS0)_4TX	25.71	0.37239
802.11ac VHT40_Nss1,(MCS0)_4TX	20.17	0.10399

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	10.23	15.68	15.40	15.80	15.71	21.67	25.77
2417MHz_TnomVnom	Pass	10.23	15.95	15.58	15.96	15.90	21.87	25.77
2422MHz_TnomVnom	Pass	10.23	17.40	17.08	17.15	17.68	23.35	25.77
2427MHz_TnomVnom	Pass	10.23	19.65	19.54	19.58	20.04	25.73	25.77
2432MHz_TnomVnom	Pass	10.23	19.66	19.54	19.48	20.03	25.70	25.77
2437MHz_TnomVnom	Pass	10.23	17.90	17.67	17.41	18.00	23.77	25.77
2442MHz_TnomVnom	Pass	10.23	19.46	19.49	19.39	19.90	25.59	25.77
2447MHz_TnomVnom	Pass	10.23	19.72	19.67	19.60	19.85	25.73	25.77
2452MHz_TnomVnom	Pass	10.23	18.70	18.40	18.69	18.82	24.68	25.77
2457MHz_TnomVnom	Pass	10.23	14.70	14.60	14.80	14.94	20.78	25.77
2462MHz_TnomVnom	Pass	10.23	14.84	14.58	14.70	14.98	20.80	25.77
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.23	13.36	13.14	13.02	13.57	19.30	25.77
2417MHz_TnomVnom	Pass	10.23	14.76	14.47	14.57	14.93	20.71	25.77
2422MHz_TnomVnom	Pass	10.23	16.65	16.31	16.44	16.80	22.57	25.77
2427MHz_TnomVnom	Pass	10.23	19.41	19.22	19.16	19.62	25.38	25.77
2432MHz_TnomVnom	Pass	10.23	19.69	19.42	19.32	19.74	25.57	25.77
2437MHz_TnomVnom	Pass	10.23	18.88	18.62	18.61	18.90	24.78	25.77
2442MHz_TnomVnom	Pass	10.23	19.70	19.51	19.35	19.85	25.63	25.77
2447MHz_TnomVnom	Pass	10.23	18.78	18.60	18.57	19.02	24.77	25.77
2452MHz_TnomVnom	Pass	10.23	17.19	17.02	16.90	17.32	23.13	25.77
2457MHz_TnomVnom	Pass	10.23	14.47	14.19	14.23	14.57	20.39	25.77
2462MHz_TnomVnom	Pass	10.23	14.59	14.28	14.32	14.64	20.48	25.77
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.23	13.10	12.78	12.74	13.28	19.00	25.77
2417MHz_TnomVnom	Pass	10.23	13.95	13.60	13.90	14.00	19.89	25.77
2422MHz_TnomVnom	Pass	10.23	15.56	15.00	15.20	15.42	21.32	25.77
2427MHz_TnomVnom	Pass	10.23	17.61	17.28	17.20	17.66	23.46	25.77
2432MHz_TnomVnom	Pass	10.23	18.87	18.65	18.69	18.88	24.79	25.77
2437MHz_TnomVnom	Pass	10.23	19.86	19.62	19.36	19.90	25.71	25.77
2442MHz_TnomVnom	Pass	10.23	19.70	19.39	19.34	19.89	25.61	25.77
2447MHz_TnomVnom	Pass	10.23	18.83	18.57	18.34	18.77	24.65	25.77
2452MHz_TnomVnom	Pass	10.23	16.74	16.20	16.48	16.77	22.57	25.77
2457MHz_TnomVnom	Pass	10.23	14.78	14.31	14.43	14.78	20.60	25.77
2462MHz_TnomVnom	Pass	10.23	13.96	13.57	13.78	14.15	19.89	25.77

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.23	10.12	9.91	10.01	10.34	16.12	25.77
2427MHz_TnomVnom	Pass	10.23	10.50	10.24	10.45	10.66	16.49	25.77
2432MHz_TnomVnom	Pass	10.23	11.22	10.94	11.20	11.20	17.16	25.77
2437MHz_TnomVnom	Pass	10.23	13.55	13.28	13.51	13.67	19.53	25.77
2452MHz_TnomVnom	Pass	10.23	14.09	13.91	14.06	14.50	20.17	25.77

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted average output power is for reference only

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	26.83	0.48195
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	21.05	0.12735

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	8.02	15.10	15.09	14.98	16.34	21.44	27.98
2417MHz_TnomVnom	Pass	8.02	16.73	16.76	16.60	16.90	22.77	27.98
2422MHz_TnomVnom	Pass	8.02	19.21	19.16	18.88	19.38	25.18	27.98
2427MHz_TnomVnom	Pass	8.02	20.23	19.26	19.79	19.99	25.85	27.98
2432MHz_TnomVnom	Pass	8.02	20.09	20.79	20.05	20.31	26.34	27.98
2437MHz_TnomVnom	Pass	8.02	19.94	20.77	20.13	21.22	26.57	27.98
2442MHz_TnomVnom	Pass	8.02	20.67	20.84	20.51	21.20	26.83	27.98
2447MHz_TnomVnom	Pass	8.02	19.45	19.44	19.36	20.17	25.64	27.98
2452MHz_TnomVnom	Pass	8.02	19.37	19.50	19.23	18.59	25.21	27.98
2457MHz_TnomVnom	Pass	8.02	15.50	15.90	15.53	16.05	21.77	27.98
2462MHz_TnomVnom	Pass	8.02	15.26	15.11	14.42	15.80	21.20	27.98
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	8.02	12.59	12.66	12.71	12.65	18.67	27.98
2427MHz_TnomVnom	Pass	8.02	12.25	12.33	12.28	12.79	18.44	27.98
2432MHz_TnomVnom	Pass	8.02	13.01	13.22	12.92	13.10	19.08	27.98
2437MHz_TnomVnom	Pass	8.02	14.81	14.56	15.17	14.92	20.89	27.98
2447MHz_TnomVnom	Pass	8.02	14.68	15.07	15.18	15.15	21.05	27.98
2452MHz_TnomVnom	Pass	8.02	14.44	14.78	15.00	15.12	20.86	27.98

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted average output power is for reference only

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	19.74	0.09419
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	19.74	0.09419

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	16.25	10.62	10.51	10.19	10.83	16.56	19.75
2417MHz_TnomVnom	Pass	16.25	12.23	12.10	12.55	12.28	18.31	19.75
2422MHz_TnomVnom	Pass	16.25	13.37	13.52	13.44	13.22	19.41	19.75
2427MHz_TnomVnom	Pass	16.25	13.65	13.07	13.86	13.63	19.58	19.75
2432MHz_TnomVnom	Pass	16.25	13.73	13.56	13.77	13.30	19.61	19.75
2437MHz_TnomVnom	Pass	16.25	13.66	12.96	14.57	13.14	19.65	19.75
2442MHz_TnomVnom	Pass	16.25	13.10	13.84	13.14	13.89	19.53	19.75
2447MHz_TnomVnom	Pass	16.25	13.59	13.38	13.54	13.53	19.53	19.75
2452MHz_TnomVnom	Pass	16.25	13.03	14.33	13.14	14.21	19.74	19.75
2457MHz_TnomVnom	Pass	16.25	13.52	13.47	13.61	13.64	19.58	19.75
2462MHz_TnomVnom	Pass	16.25	12.01	12.19	12.19	12.26	18.18	19.75
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	16.25	10.88	11.04	10.97	11.13	17.03	19.75
2427MHz_TnomVnom	Pass	16.25	11.99	12.27	12.23	12.76	18.34	19.75
2432MHz_TnomVnom	Pass	16.25	12.56	12.46	12.30	12.55	18.49	19.75
2437MHz_TnomVnom	Pass	16.25	13.48	13.59	13.60	14.16	19.74	19.75
2447MHz_TnomVnom	Pass	16.25	13.44	13.76	13.44	13.96	19.68	19.75
2452MHz_TnomVnom	Pass	16.25	12.88	13.10	13.14	13.17	19.09	19.75

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted average output power is for reference only

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	2.78
802.11g_Nss1,(6Mbps)_4TX	1.90
802.11ac VHT20_Nss1,(MCS0)_4TX	0.16
802.11ac VHT40_Nss1,(MCS0)_4TX	-7.55

RBW=3kHz.

Result

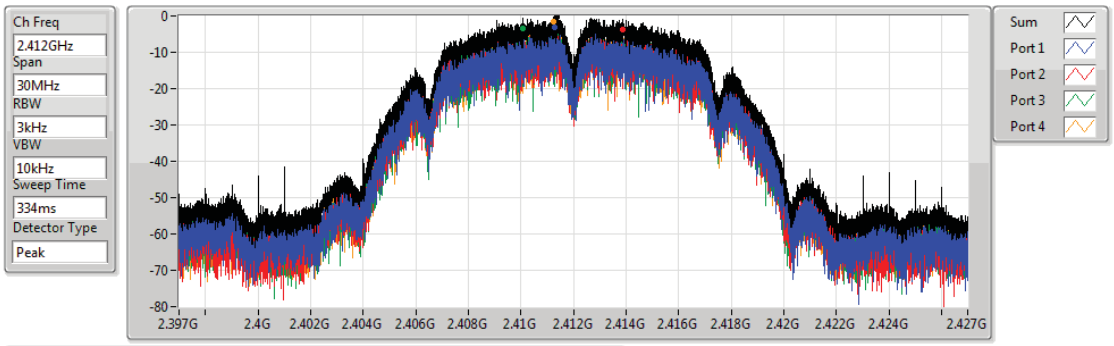
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	8.02	-3.08	-3.74	-3.48	-1.53	-0.28	5.98
2437MHz_TnomVnom	Pass	8.02	1.58	0.40	-0.70	-1.25	2.78	5.98
2462MHz_TnomVnom	Pass	8.02	-2.24	-2.91	-1.47	-2.86	0.90	5.98
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	8.02	-7.94	-9.28	-7.91	-7.84	-2.93	5.98
2437MHz_TnomVnom	Pass	8.02	-1.68	-1.97	-3.29	-3.46	1.90	5.98
2462MHz_TnomVnom	Pass	8.02	-9.91	-8.39	-9.19	-8.79	-4.16	5.98
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	8.02	-9.32	-10.78	-10.36	-10.16	-6.61	5.98
2437MHz_TnomVnom	Pass	8.02	-2.45	-2.95	-3.69	-3.44	0.16	5.98
2462MHz_TnomVnom	Pass	8.02	-9.48	-9.09	-10.23	-8.09	-6.42	5.98
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	8.02	-14.82	-15.33	-15.45	-15.23	-11.88	5.98
2437MHz_TnomVnom	Pass	8.02	-10.94	-10.75	-10.34	-10.69	-7.55	5.98
2452MHz_TnomVnom	Pass	8.02	-13.56	-13.19	-12.84	-12.01	-9.54	5.98

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

802.11b_Nss1,(1Mbps)_4TX PSD

2412MHz

16/08/2018

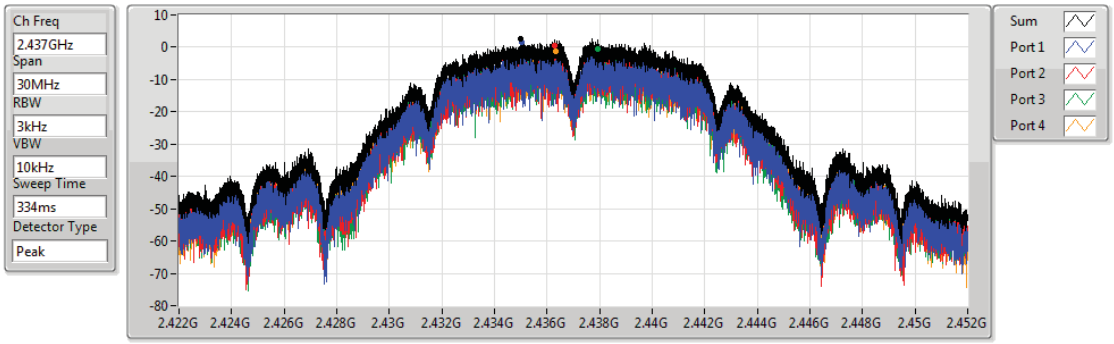


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.28	-0.28	-3.08	-3.74	-3.48	-1.53

802.11b_Nss1,(1Mbps)_4TX PSD

2437MHz

16/08/2018

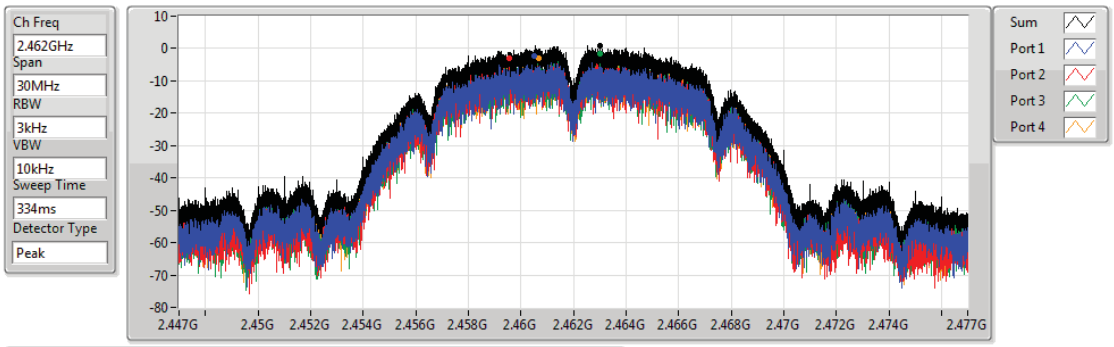


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.78	2.78	1.58	0.40	-0.70	-1.25

802.11b_Nss1,(1Mbps)_4TX PSD

2462MHz

16/08/2018

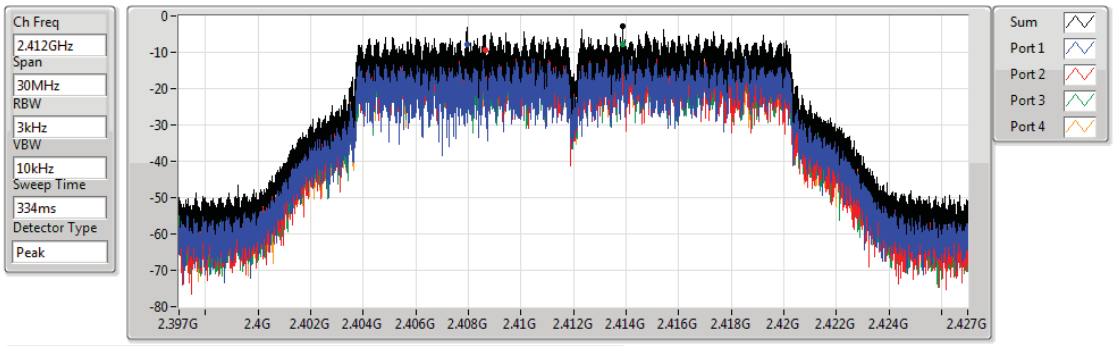


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.90	0.90	-2.24	-2.91	-1.47	-2.86

802.11g_Nss1,(6Mbps)_4TX PSD

2412MHz

16/08/2018

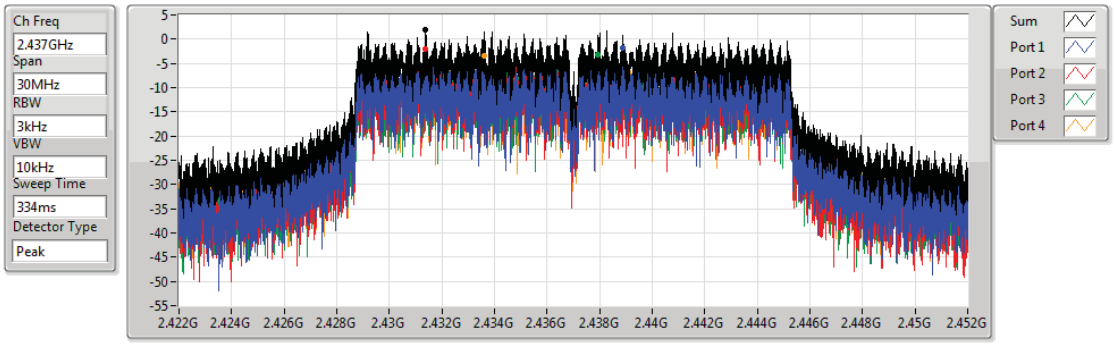


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.93	-2.93	-7.94	-9.28	-7.91	-7.84

802.11g_Nss1,(6Mbps)_4TX PSD

2437MHz

16/08/2018

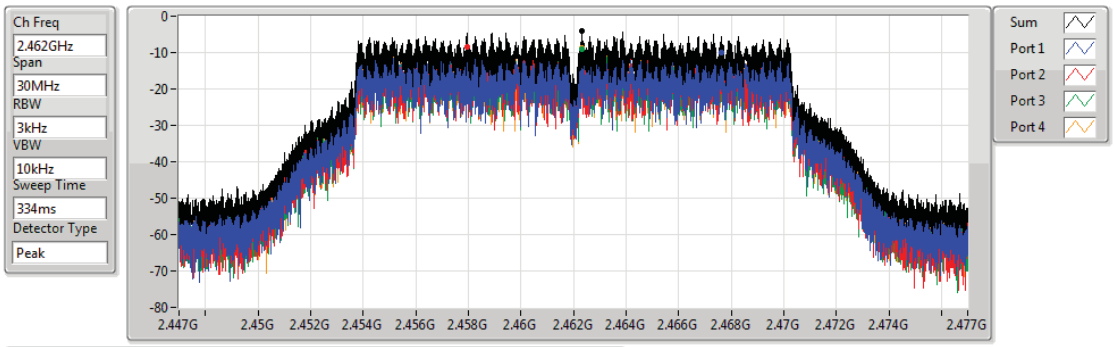


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.90	1.90	-1.68	-1.97	-3.29	-3.46

802.11g_Nss1,(6Mbps)_4TX PSD

2462MHz

16/08/2018

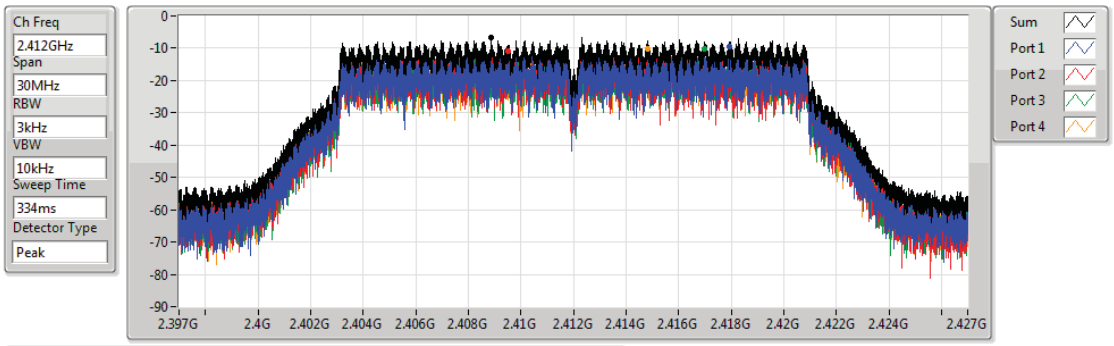


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.16	-4.16	-9.91	-8.39	-9.19	-8.79

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

2412MHz

16/08/2018

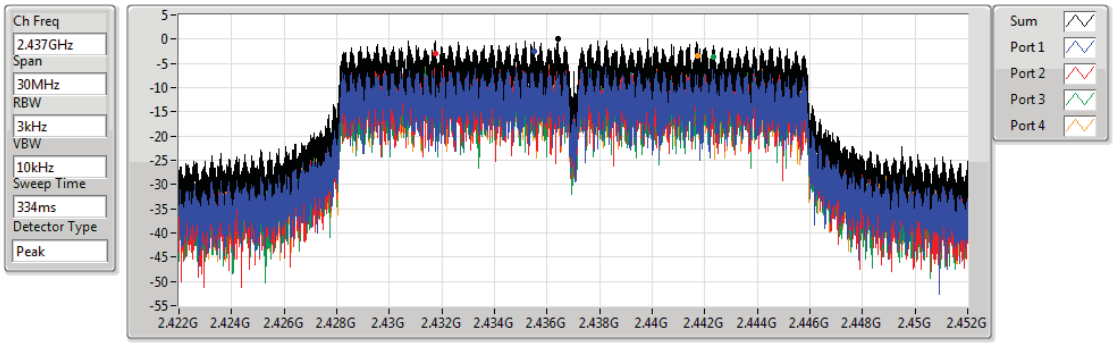


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.61	-6.61	-9.32	-10.78	-10.36	-10.16

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

2437MHz

16/08/2018

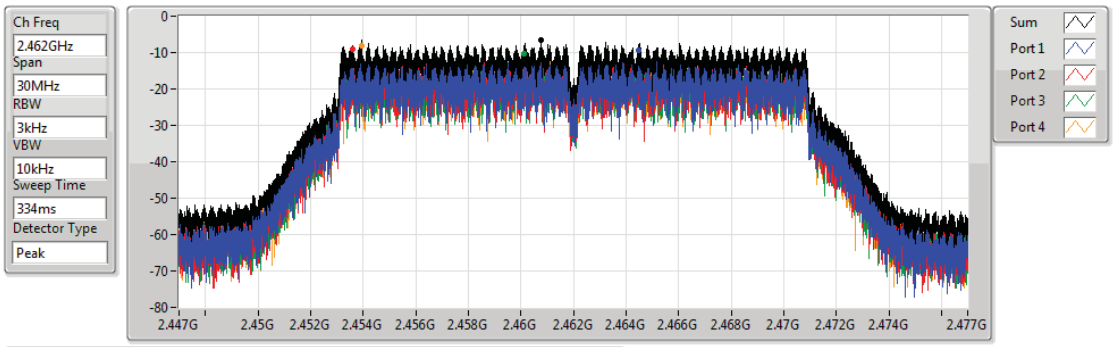


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.16	0.16	-2.45	-2.95	-3.69	-3.44

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

2462MHz

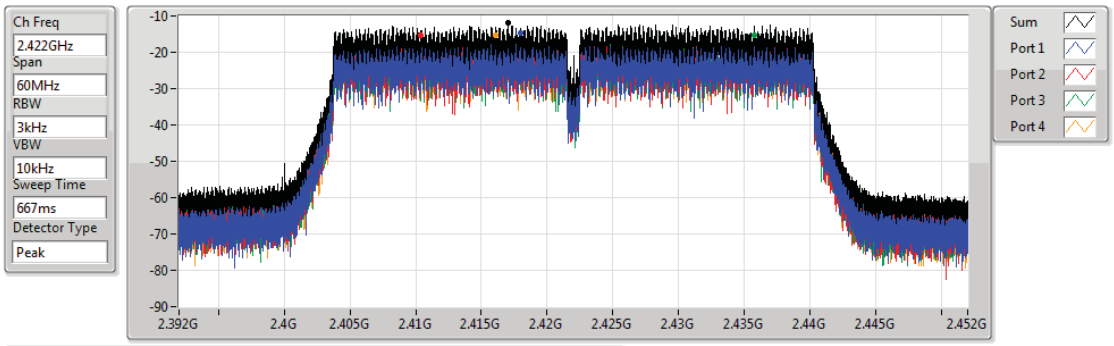
16/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.42	-6.42	-9.48	-9.09	-10.23	-8.09

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

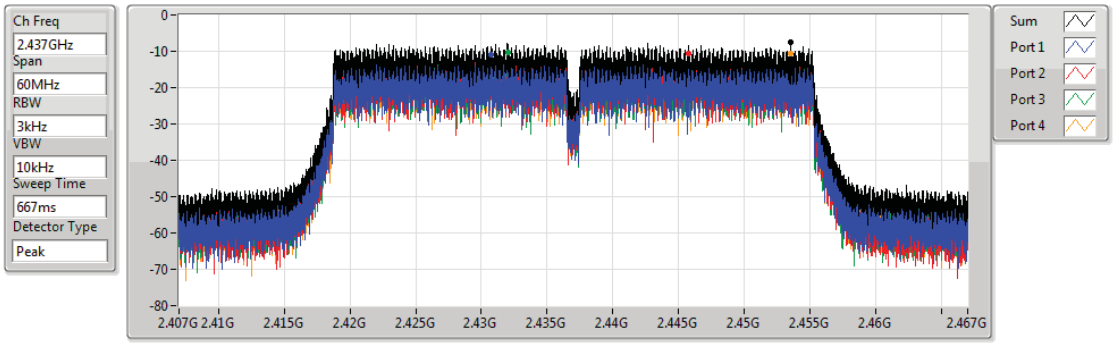
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.88	-11.88	-14.82	-15.33	-15.45	-15.23

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

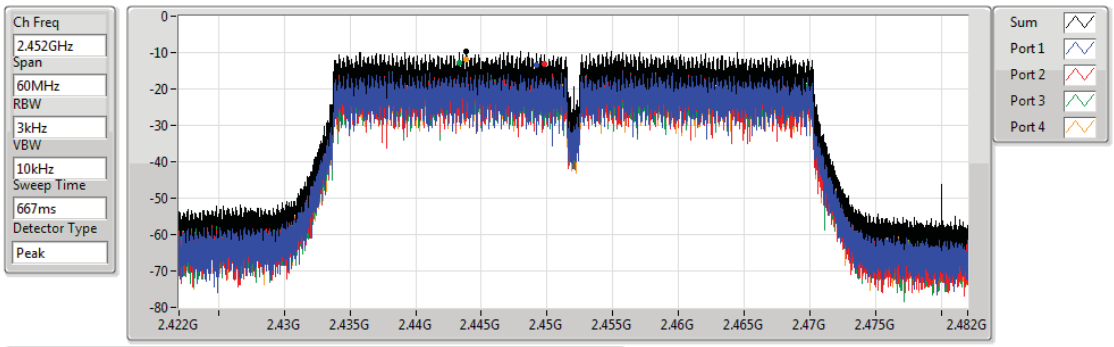
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.55	-7.55	-10.94	-10.75	-10.34	-10.69

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.54	-9.54	-13.56	-13.19	-12.84	-12.01

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-2.49
802.11g_Nss1,(6Mbps)_4TX	-2.58
802.11ac VHT20_Nss1,(MCS0)_4TX	-2.49
802.11ac VHT40_Nss1,(MCS0)_4TX	-10.80

RBW=3kHz.

Result

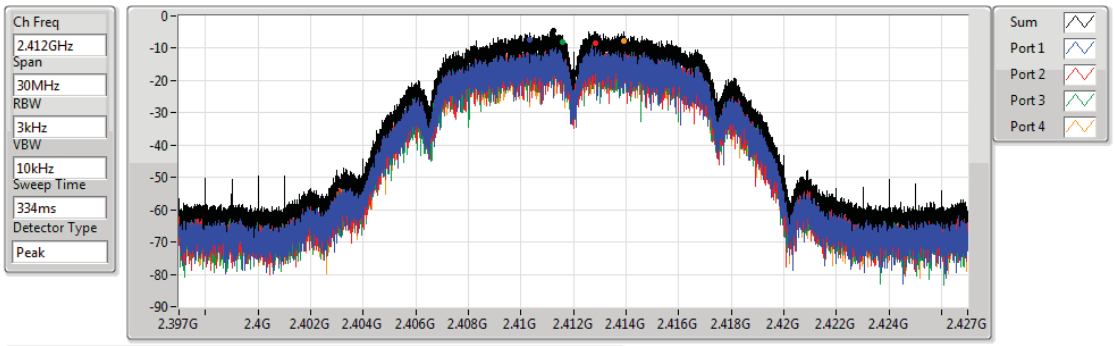
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	16.25	-7.34	-8.31	-7.92	-7.62	-4.74	-2.25
2437MHz	Pass	16.25	-5.68	-4.03	-5.15	-4.54	-2.49	-2.25
2462MHz	Pass	16.25	-7.74	-7.88	-7.98	-8.67	-5.23	-2.25
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	16.25	-11.16	-12.76	-12.60	-12.23	-7.23	-2.25
2437MHz	Pass	16.25	-6.55	-7.28	-6.37	-7.44	-2.58	-2.25
2462MHz	Pass	16.25	-11.64	-10.68	-10.54	-10.19	-5.94	-2.25
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	16.25	-13.26	-13.27	-13.38	-12.87	-9.92	-2.25
2437MHz	Pass	16.25	-5.54	-6.41	-6.77	-5.15	-2.49	-2.25
2462MHz	Pass	16.25	-11.41	-12.79	-12.20	-10.93	-8.38	-2.25
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	16.25	-17.80	-17.42	-18.78	-16.13	-14.29	-2.25
2437MHz	Pass	16.25	-15.12	-14.84	-14.20	-14.37	-11.91	-2.25
2452MHz	Pass	16.25	-14.08	-14.25	-13.61	-14.09	-10.80	-2.25

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

802.11b_Nss1,(1Mbps)_4TX PSD

2412MHz

14/08/2018

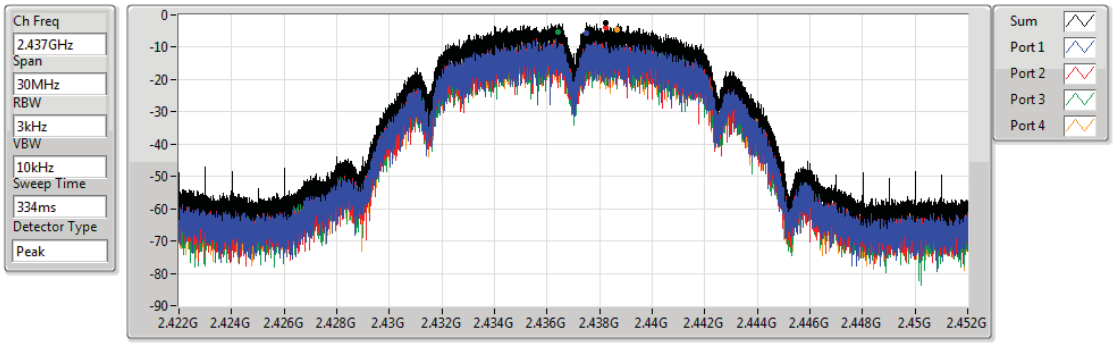


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.74	-4.74	-7.34	-8.31	-7.92	-7.62

802.11b_Nss1,(1Mbps)_4TX PSD

2437MHz

14/08/2018

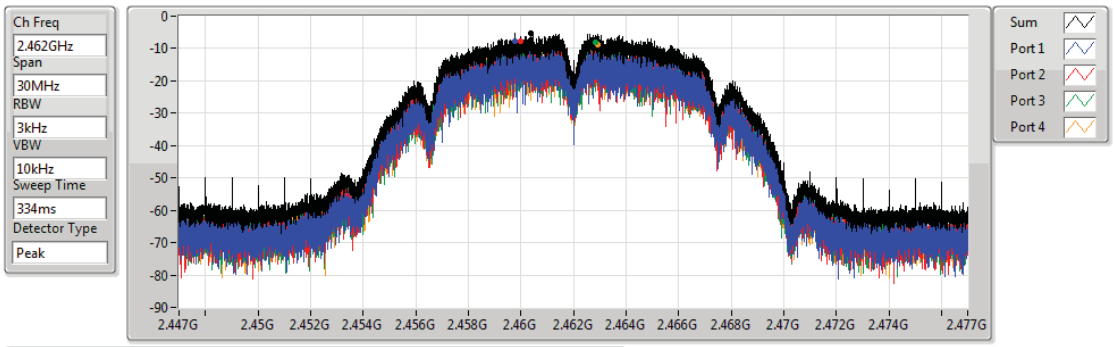


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.49	-2.49	-5.68	-4.03	-5.15	-4.54

802.11b_Nss1,(1Mbps)_4TX PSD

2462MHz

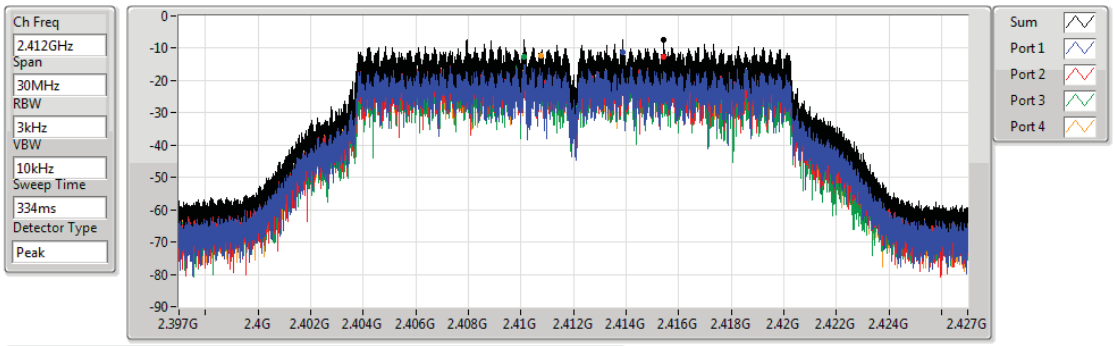
14/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.23	-5.23	-7.74	-7.88	-7.98	-8.67

802.11g_Nss1,(6Mbps)_4TX PSD

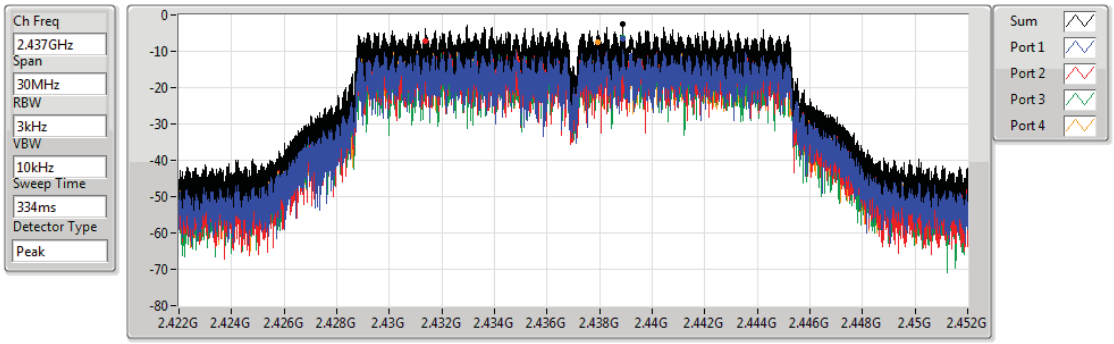
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.23	-7.23	-11.16	-12.76	-12.60	-12.23

802.11g_Nss1,(6Mbps)_4TX PSD

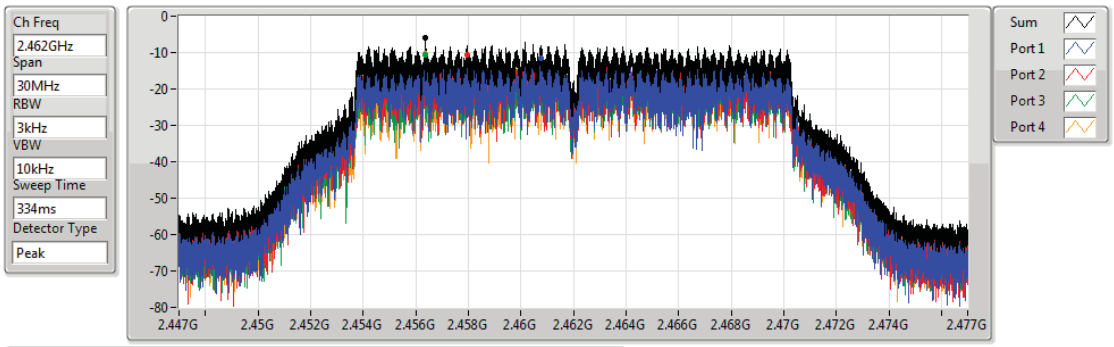
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.58	-2.58	-6.55	-7.28	-6.37	-7.44

802.11g_Nss1,(6Mbps)_4TX PSD

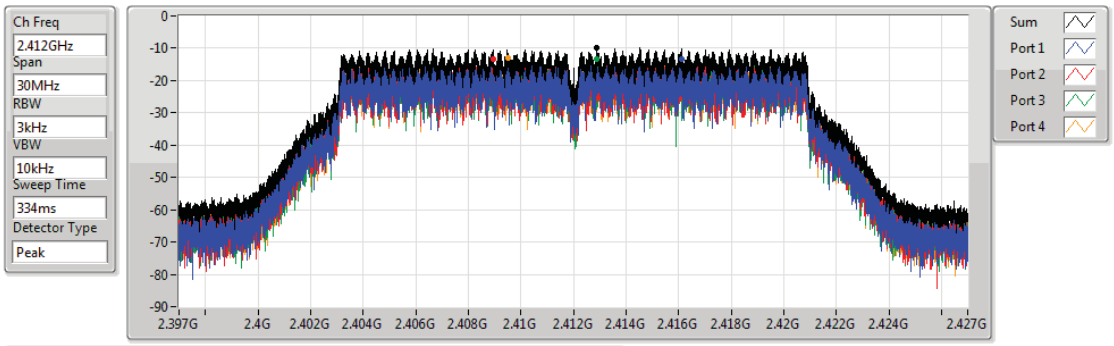
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.94	-5.94	-11.64	-10.68	-10.54	-10.19

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

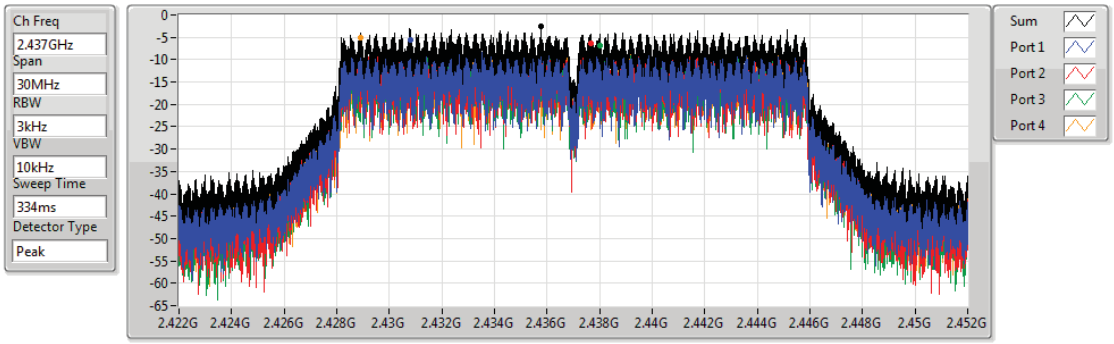
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.92	-9.92	-13.26	-13.27	-13.38	-12.87

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

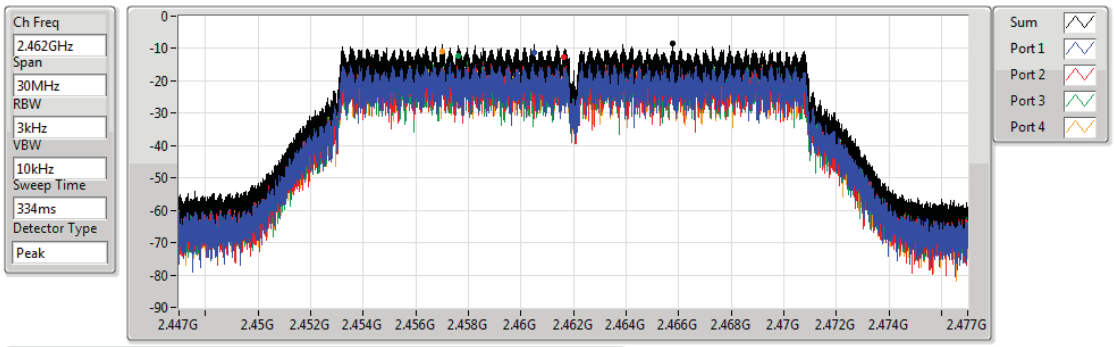
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.49	-2.49	-5.54	-6.41	-6.77	-5.15

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

2462MHz

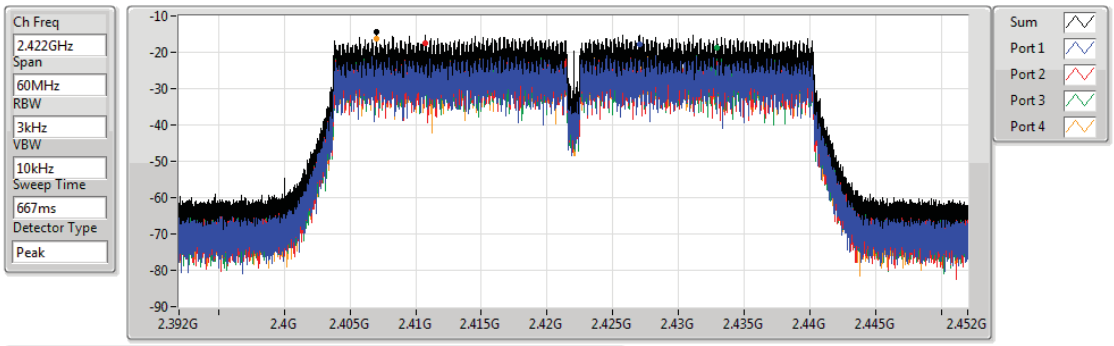


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.38	-8.38	-11.41	-12.79	-12.20	-10.93

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

2422MHz

14/08/2018

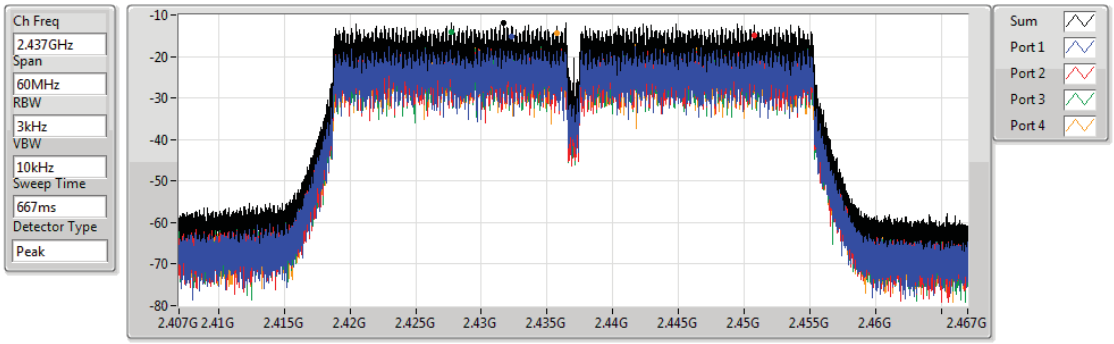


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.29	-14.29	-17.80	-17.42	-18.78	-16.13

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

2437MHz

14/08/2018

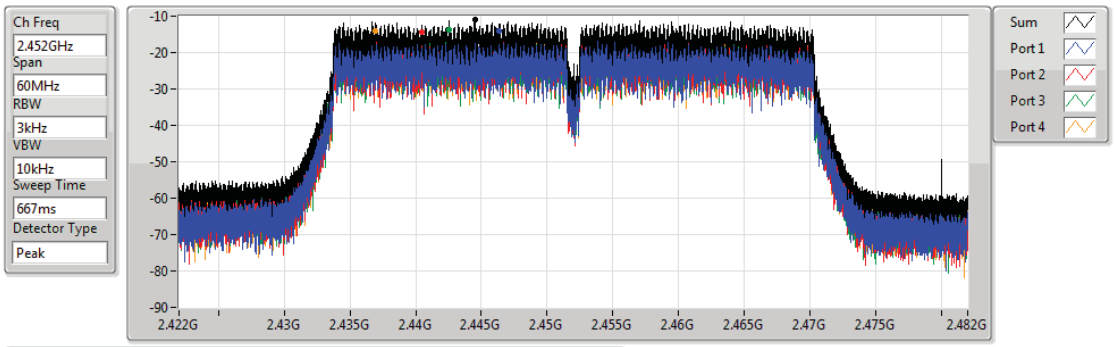


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.91	-11.91	-15.12	-14.84	-14.20	-14.37

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

2452MHz

14/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.80	-10.80	-14.08	-14.25	-13.61	-14.09

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	1.13
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-7.49

RBW=3kHz.

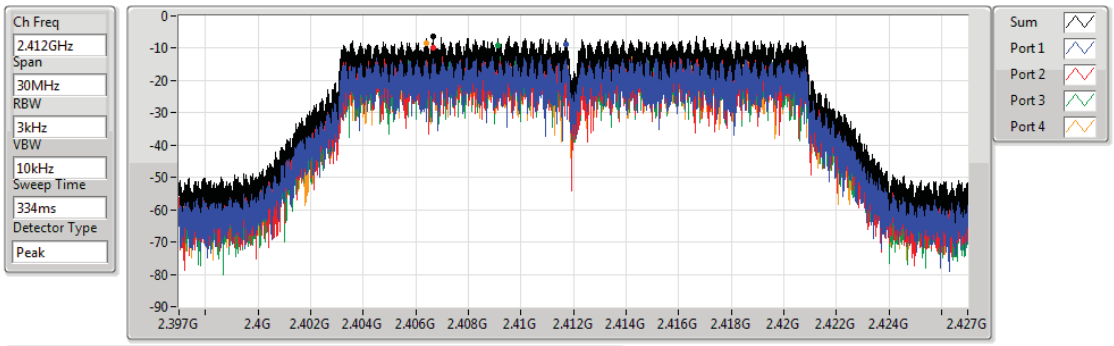
Result

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)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	8.02	-8.88	-9.94	-9.28	-8.55	-6.17	5.98
2437MHz_TnomVnom	Pass	8.02	-3.92	-3.86	-3.76	-3.71	1.13	5.98
2462MHz_TnomVnom	Pass	8.02	-9.94	-8.05	-8.76	-9.78	-6.06	5.98
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	8.02	-12.64	-13.98	-13.21	-13.45	-10.61	5.98
2437MHz_TnomVnom	Pass	8.02	-10.65	-8.77	-12.14	-10.15	-8.17	5.98
2452MHz_TnomVnom	Pass	8.02	-9.70	-9.62	-12.01	-9.36	-7.49	5.98

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

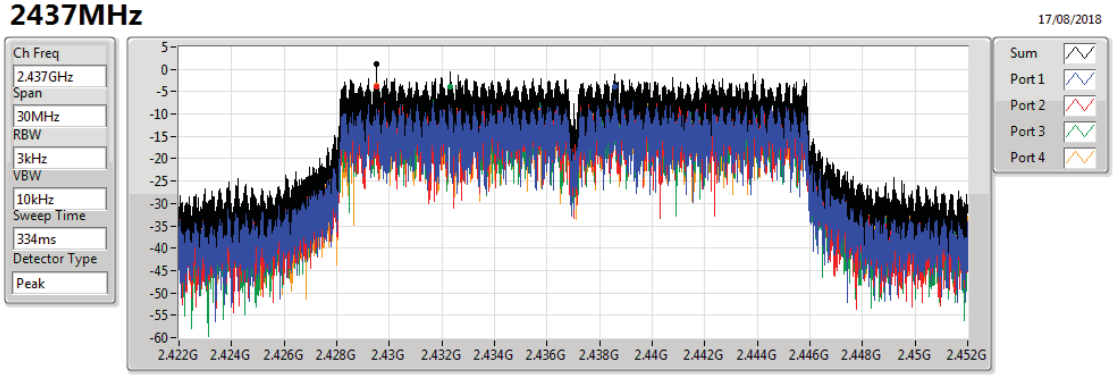
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.17	-6.17	-8.88	-9.94	-9.28	-8.55

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

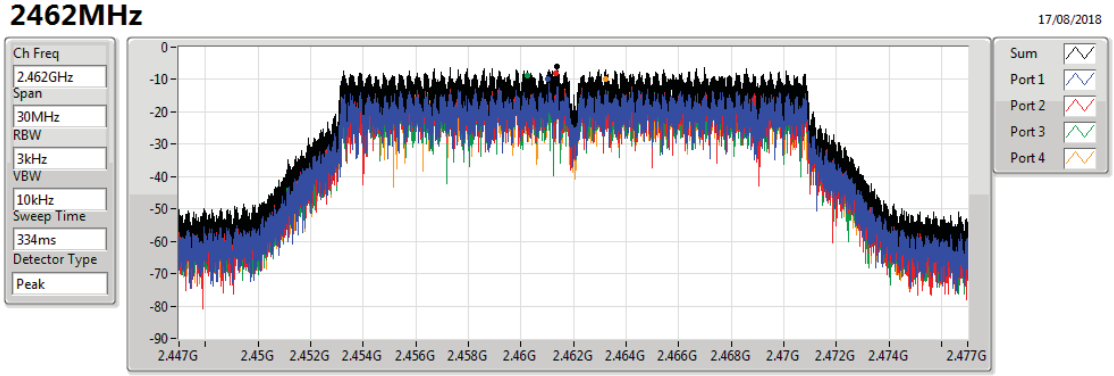
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.13	1.13	-3.92	-3.86	-3.76	-3.71

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

2462MHz

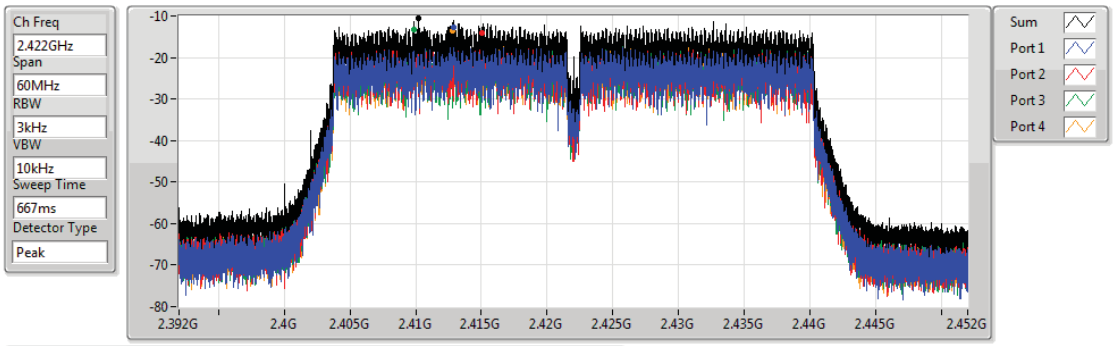


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.06	-6.06	-9.94	-8.05	-8.76	-9.78

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

2422MHz

17/08/2018

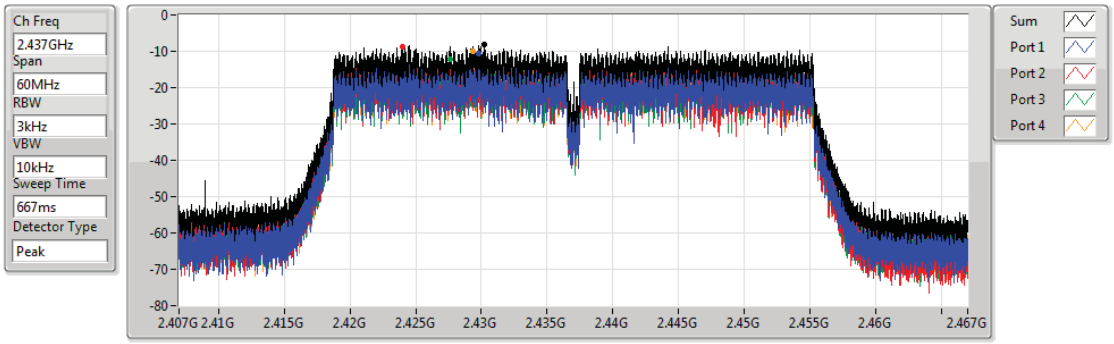


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.61	-10.61	-12.64	-13.98	-13.21	-13.45

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

2437MHz

17/08/2018

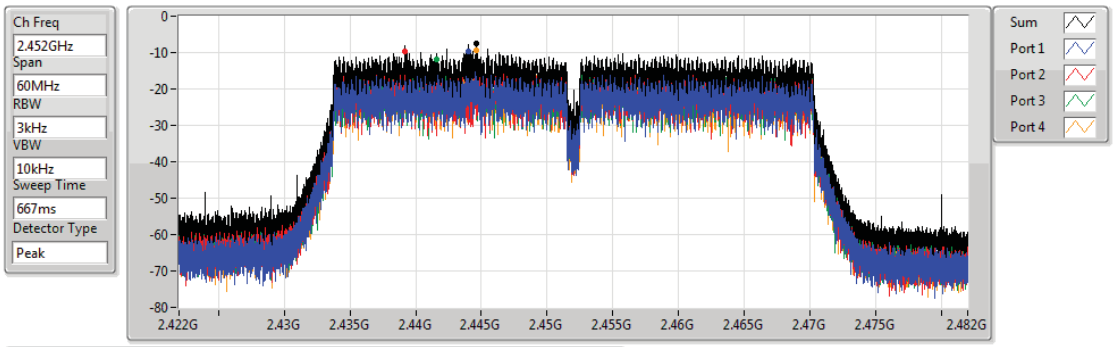


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.17	-8.17	-10.65	-8.77	-12.14	-10.15

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

2452MHz

17/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.49	-7.49	-9.70	-9.62	-12.01	-9.36

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-7.59
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-9.44

RBW=3kHz.

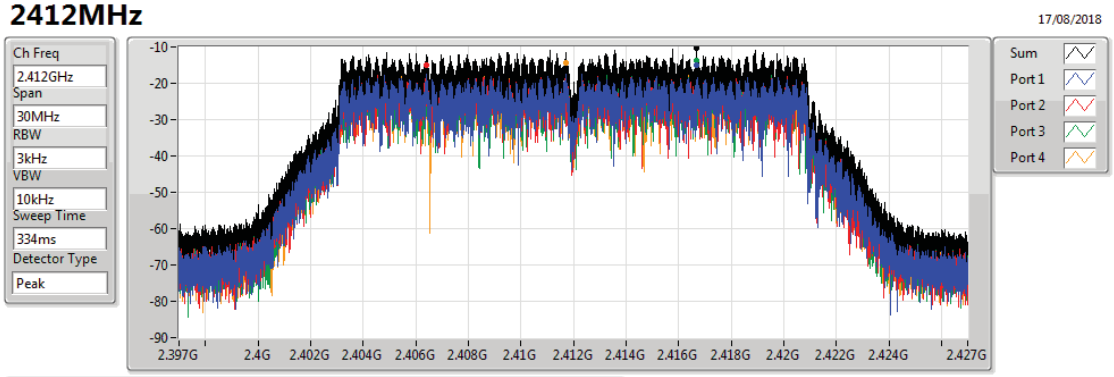
Result

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)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	16.25	-15.08	-14.87	-13.75	-14.43	-10.36	-2.25
2437MHz_TnomVnom	Pass	16.25	-11.00	-12.03	-9.21	-11.86	-7.59	-2.25
2462MHz_TnomVnom	Pass	16.25	-13.18	-11.11	-13.04	-10.95	-9.44	-2.25
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	16.25	-14.48	-15.09	-15.98	-13.09	-12.22	-2.25
2437MHz_TnomVnom	Pass	16.25	-10.08	-10.85	-11.67	-13.38	-9.44	-2.25
2452MHz_TnomVnom	Pass	16.25	-13.65	-13.89	-11.45	-10.53	-9.53	-2.25

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

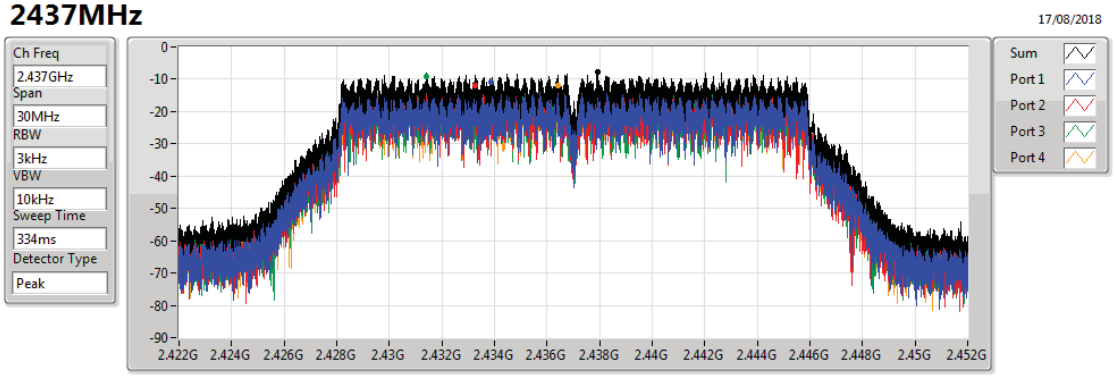
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.36	-10.36	-15.08	-14.87	-13.75	-14.43

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

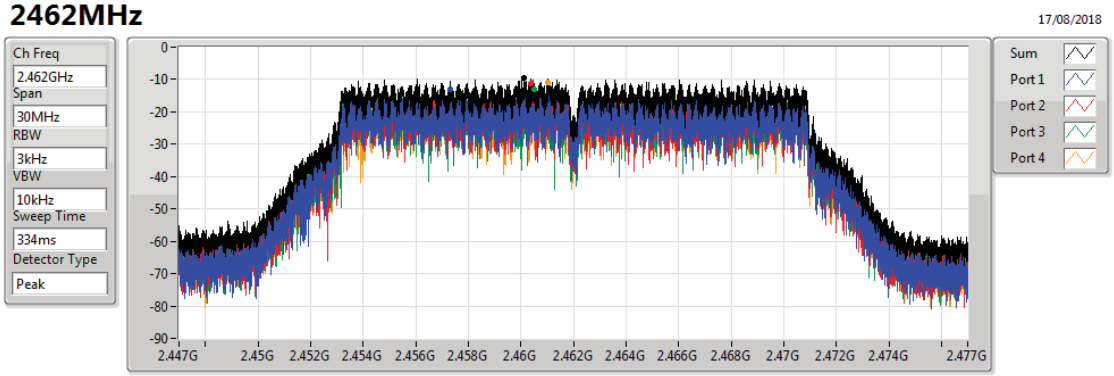
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.59	-7.59	-11.00	-12.03	-9.21	-11.86

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

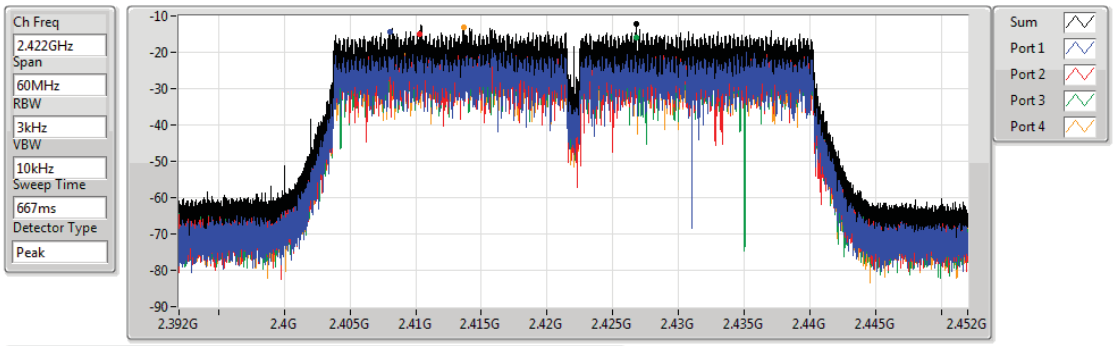
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.44	-9.44	-13.18	-11.11	-13.04	-10.95

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

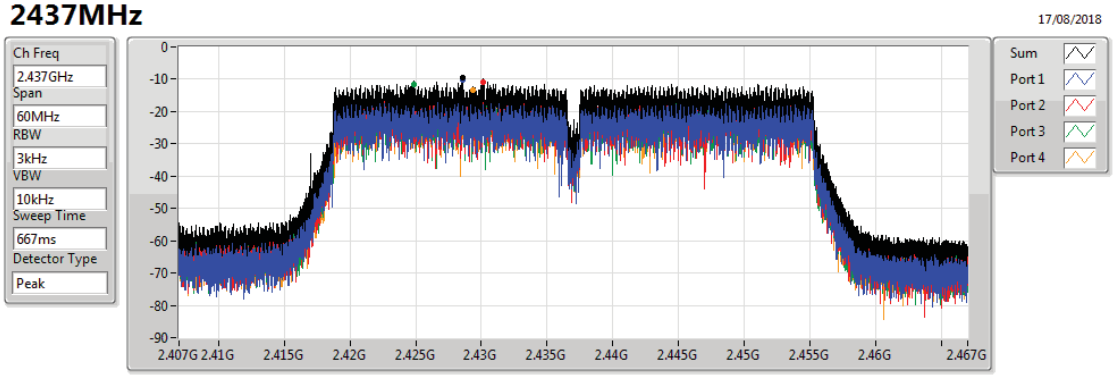
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.22	-12.22	-14.48	-15.09	-15.98	-13.09

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

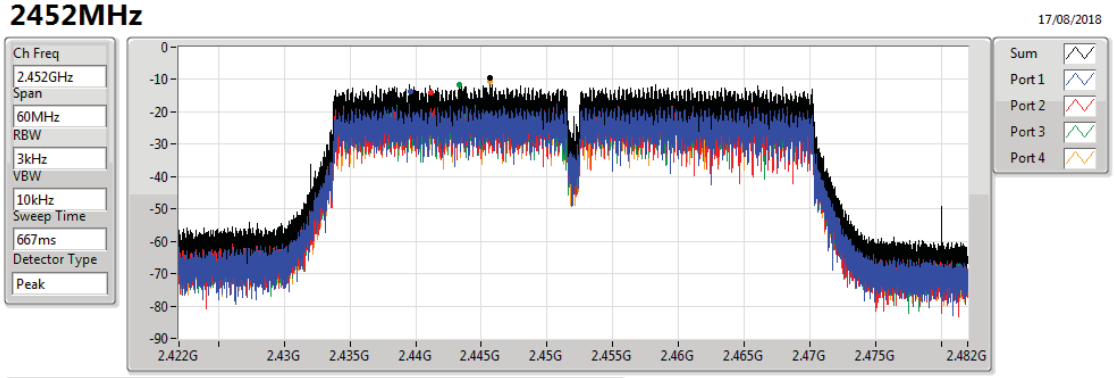
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.44	-9.44	-10.08	-10.85	-11.67	-13.38

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.53	-9.53	-13.65	-13.89	-11.45	-10.53

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.438577G	13.37	-16.63	791.91M	-58.77	2.39904G	-35.92	2.48734G	-46.01	16.279118G	-52.38	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.433233G	11.69	-18.31	2.307575G	-58.47	2.39944G	-31.95	2.49462G	-55.83	21.960053G	-52.74	4
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	2.431897G	12.43	-17.57	599.685M	-59.65	2.39944G	-33.72	2.48734G	-49.38	15.214294G	-52.34	1
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	2.434569G	4.13	-25.87	845.24M	-58.85	2.3984G	-35.34	2.48382G	-41.07	6.767539G	-52.39	4

Result

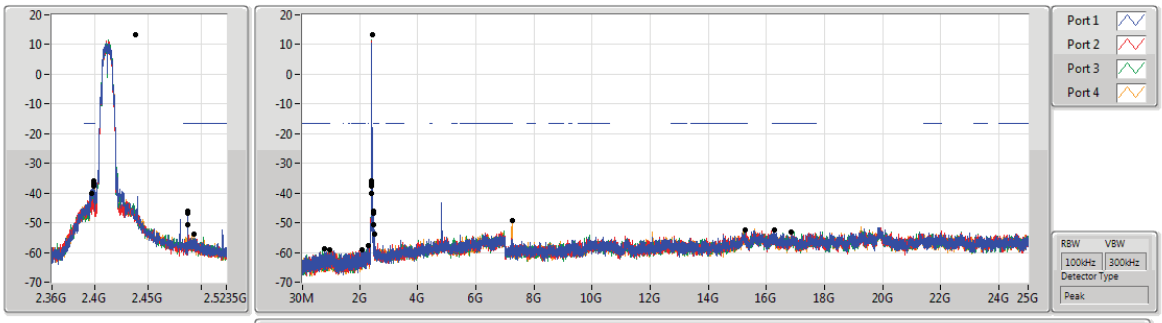
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	791.91M	-58.77	2.39904G	-35.92	2.48734G	-46.01	16.279118G	-52.38	1
2412MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	952.68M	-59.00	2.39736G	-39.97	2.48734G	-46.96	16.852269G	-53.08	2
2412MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.30641G	-57.66	2.39904G	-37.59	2.48734G	-50.69	15.253628G	-52.56	3
2412MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.083895G	-59.16	2.39904G	-36.86	2.49286G	-53.76	7.235136G	-49.09	4
2437MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.30408G	-58.41	2.39808G	-49.80	2.51318G	-46.99	9.746885G	-52.13	1
2437MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.307575G	-58.46	2.39936G	-49.19	2.51318G	-48.01	24.494279G	-52.54	2
2437MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.305245G	-58.97	2.39976G	-51.55	2.51318G	-50.99	16.276308G	-52.34	3
2437MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.30175G	-59.34	2.3992G	-51.42	2.48374G	-52.89	15.160912G	-53.07	4
2462MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.15729G	-59.00	2.39824G	-54.40	2.48502G	-42.22	16.225736G	-52.59	1
2462MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.16894G	-58.67	2.39968G	-54.42	2.48566G	-44.88	15.186198G	-52.49	2
2462MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.30408G	-59.39	2.39904G	-54.52	2.48582G	-42.46	15.219913G	-52.10	3
2462MHz_TnomVnom	Pass	2.438577G	13.37	-16.63	2.30641G	-59.61	2.3992G	-54.83	2.48854G	-41.90	16.208879G	-52.52	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	2.30175G	-58.28	2.39928G	-32.88	2.48734G	-46.89	16.208879G	-52.02	1
2412MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	1.902155G	-59.11	2.39864G	-34.74	2.48734G	-49.30	16.832602G	-52.93	2
2412MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	1.65168G	-59.38	2.39968G	-33.19	2.48734G	-52.44	16.248213G	-52.70	3
2412MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	2.307575G	-58.47	2.39944G	-31.95	2.49462G	-55.83	21.960053G	-52.74	4
2437MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	2.302915G	-57.60	2.39864G	-37.58	2.48422G	-41.85	16.880364G	-52.36	1
2437MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	2.309905G	-58.31	2.3992G	-39.05	2.4839G	-44.16	24.289181G	-52.47	2
2437MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	760.455M	-58.67	2.39704G	-38.16	2.48358G	-45.07	6.875512G	-51.60	3
2437MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	952.68M	-58.89	2.39952G	-36.44	2.48446G	-44.30	16.211689G	-51.46	4
2462MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	653.275M	-59.31	2.39032G	-55.99	2.48518G	-42.75	22.007816G	-52.47	1
2462MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	1.718085G	-59.48	2.39168G	-56.19	2.48382G	-43.36	15.155293G	-52.39	2
2462MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	826.86M	-58.75	2.39704G	-56.89	2.48582G	-42.63	15.214294G	-52.78	3
2462MHz_TnomVnom	Pass	2.433233G	11.69	-18.31	1.995355G	-59.13	2.39104G	-56.37	2.48382G	-40.91	15.292962G	-52.55	4
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	599.685M	-59.65	2.39944G	-33.72	2.48734G	-49.38	15.214294G	-52.34	1
2412MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	662.595M	-58.53	2.39832G	-36.24	2.48734G	-49.44	16.245403G	-52.70	2
2412MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	2.11302G	-58.96	2.39736G	-33.78	2.48734G	-51.80	6.987895G	-52.42	3
2412MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	1.98487G	-59.70	2.39512G	-33.75	2.48734G	-49.57	15.23958G	-51.64	4
2437MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	2.305245G	-59.01	2.3992G	-37.63	2.48382G	-42.74	6.226503G	-52.41	1
2437MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	952.68M	-58.50	2.39792G	-37.17	2.48446G	-43.56	15.203056G	-52.54	2
2437MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	773.27M	-59.09	2.39888G	-38.01	2.48566G	-44.44	15.158103G	-52.53	3
2437MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	1.98021G	-59.46	2.39984G	-36.32	2.48446G	-43.21	17.650185G	-52.83	4
2462MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	2.309905G	-59.04	2.39256G	-56.69	2.48542G	-43.25	6.903608G	-52.48	1
2462MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	2.309905G	-58.61	2.39624G	-57.29	2.48446G	-42.46	15.278914G	-52.66	2
2462MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	2.11302G	-59.62	2.39184G	-55.97	2.48382G	-43.67	6.886751G	-51.79	3
2462MHz_TnomVnom	Pass	2.431897G	12.43	-17.57	847.83M	-59.75	2.39016G	-55.75	2.48398G	-43.61	15.180579G	-51.57	4

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	2.07726G	-59.33	2.39984G	-46.78	2.48606G	-55.03	21.527952G	-51.83	1
2422MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	956.305M	-59.13	2.39904G	-44.85	2.49998G	-54.66	21.63172G	-52.88	2
2422MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	891.04M	-59.28	2.39952G	-43.73	2.4963G	-54.03	6.21504G	-52.77	3
2422MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	891.04M	-59.51	2.39968G	-44.93	2.48542G	-54.58	15.200859G	-52.09	4
2437MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	797.15M	-59.30	2.39904G	-35.49	2.48382G	-43.03	6.994709G	-52.38	1
2437MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	2.1139G	-59.28	2.39968G	-37.62	2.48574G	-44.33	16.361948G	-53.14	2
2437MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	888.75M	-59.50	2.39968G	-36.99	2.48446G	-42.14	15.15879G	-52.80	3
2437MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	845.24M	-58.85	2.3984G	-35.34	2.48382G	-41.07	6.767539G	-52.39	4
2452MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	908.215M	-59.36	2.39712G	-47.99	2.48446G	-42.83	17.452922G	-52.56	1
2452MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	2.135655G	-59.04	2.39984G	-49.78	2.48366G	-43.11	16.258179G	-52.87	2
2452MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	888.75M	-59.35	2.39648G	-48.74	2.48366G	-41.92	17.601564G	-52.54	3
2452MHz_TnomVnom	Pass	2.434569G	4.13	-25.87	1.931845G	-59.53	2.39904G	-45.31	2.48606G	-41.21	6.92179G	-51.92	4

802.11b_Nss1,(1Mbps)_4TX CSE NdB

2412MHz

16/08/2018

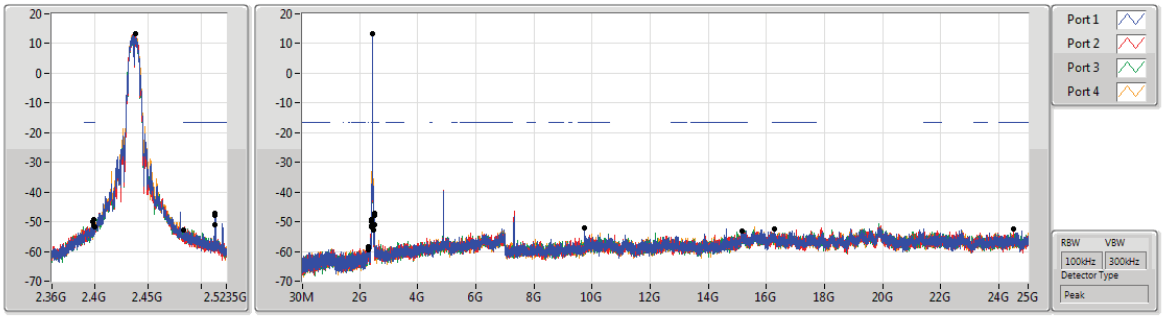


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438577G	13.37	-16.63	791.91M	-58.77	2.39904G	-35.92	2.48734G	-46.01	16.279118G	-52.38	1
2.438577G	13.37	-16.63	952.68M	-59.00	2.39736G	-39.97	2.48734G	-46.96	16.852269G	-53.08	2
2.438577G	13.37	-16.63	2.30641G	-57.66	2.39904G	-37.59	2.48734G	-50.69	15.253628G	-52.56	3
2.438577G	13.37	-16.63	2.083895G	-59.16	2.39904G	-36.86	2.49286G	-53.76	7.235136G	-49.09	4

802.11b_Nss1,(1Mbps)_4TX CSE NdB

2437MHz

16/08/2018

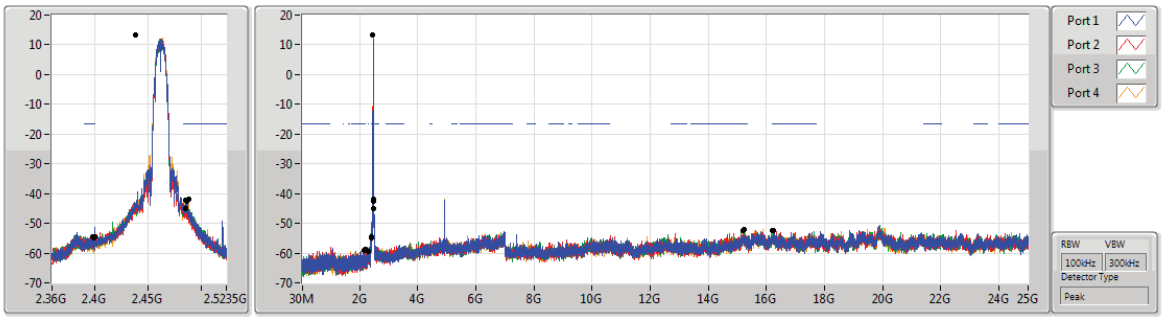


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438577G	13.37	-16.63	2.30408G	-58.41	2.39808G	-49.80	2.51318G	-46.99	9.746885G	-52.13	1
2.438577G	13.37	-16.63	2.307575G	-58.46	2.39936G	-49.19	2.51318G	-48.01	24.494279G	-52.54	2
2.438577G	13.37	-16.63	2.305245G	-58.97	2.39976G	-51.55	2.51318G	-50.99	16.276308G	-52.34	3
2.438577G	13.37	-16.63	2.30175G	-59.34	2.3992G	-51.42	2.48374G	-52.89	15.160912G	-53.07	4

802.11b_Nss1,(1Mbps)_4TX CSE NdB

2462MHz

16/08/2018

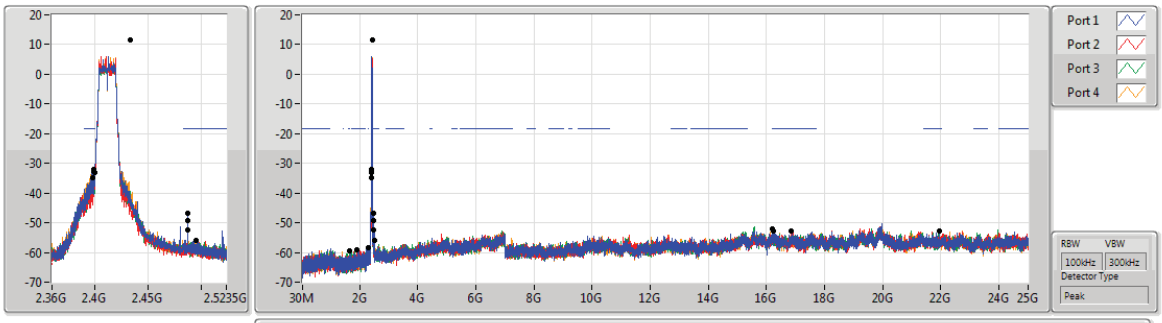


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438577G	13.37	-16.63	2.15729G	-59.00	2.39824G	-54.40	2.48502G	-42.22	16.225736G	-52.59	1
2.438577G	13.37	-16.63	2.16894G	-58.67	2.39968G	-54.42	2.48566G	-44.88	15.186198G	-52.49	2
2.438577G	13.37	-16.63	2.30408G	-59.39	2.39904G	-54.52	2.48582G	-42.46	15.219913G	-52.10	3
2.438577G	13.37	-16.63	2.30641G	-59.61	2.3992G	-54.83	2.48854G	-41.90	16.208879G	-52.52	4

802.11g_Nss1,(6Mbps)_4TX CSE NdB

2412MHz

16/08/2018

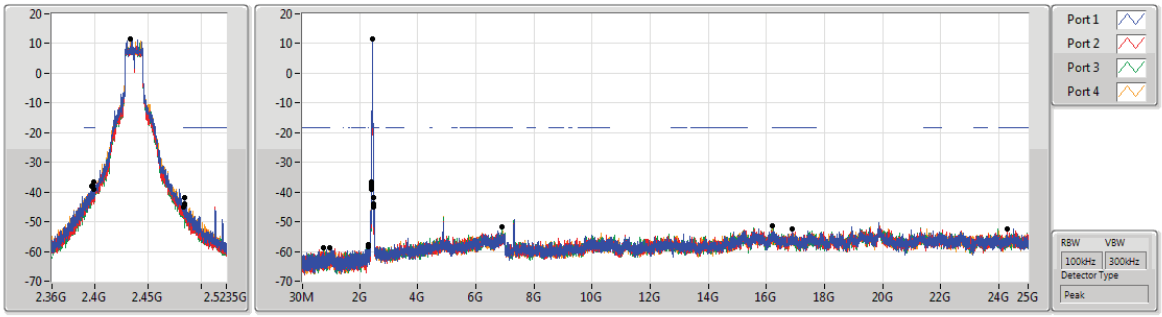


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	11.69	-18.31	2.30175G	-58.28	2.39928G	-32.88	2.48734G	-46.89	16.208879G	-52.02	1
2.433233G	11.69	-18.31	1.902155G	-59.11	2.39864G	-34.74	2.48734G	-49.30	16.832602G	-52.93	2
2.433233G	11.69	-18.31	1.65168G	-59.38	2.39968G	-33.19	2.48734G	-52.44	16.248213G	-52.70	3
2.433233G	11.69	-18.31	2.307575G	-58.47	2.39944G	-31.95	2.49462G	-55.83	21.960053G	-52.74	4

802.11g_Nss1,(6Mbps)_4TX CSE NdB

2437MHz

16/08/2018

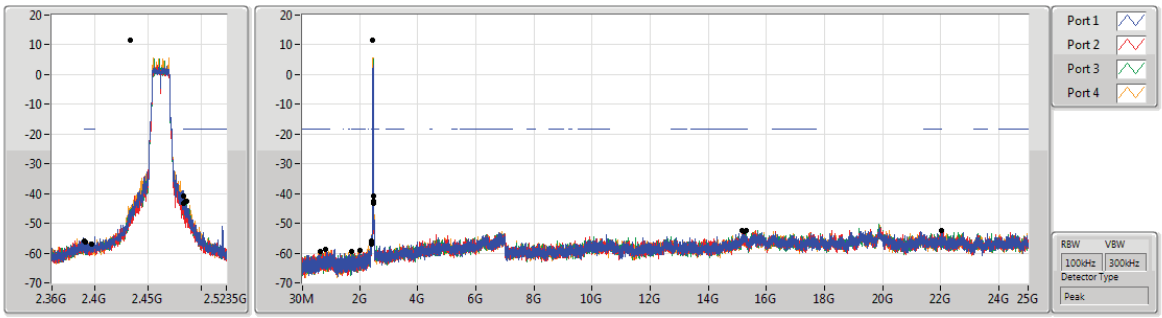


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	11.69	-18.31	2.302915G	-57.60	2.39864G	-37.58	2.48422G	-41.85	16.880364G	-52.36	1
2.433233G	11.69	-18.31	2.309905G	-58.31	2.3992G	-39.05	2.4839G	-44.16	24.289181G	-52.47	2
2.433233G	11.69	-18.31	760.455M	-58.67	2.39704G	-38.16	2.48358G	-45.07	6.875512G	-51.60	3
2.433233G	11.69	-18.31	952.68M	-58.89	2.39952G	-36.44	2.48446G	-44.30	16.211689G	-51.46	4

802.11g_Nss1,(6Mbps)_4TX CSE NdB

2462MHz

16/08/2018

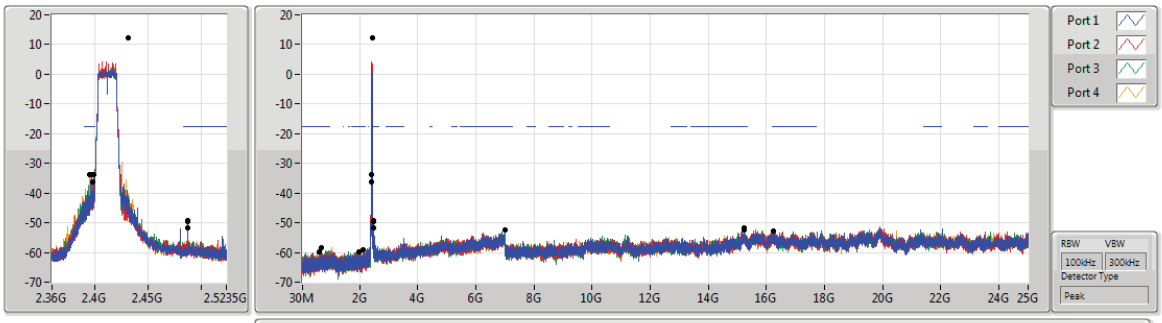


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	11.69	-18.31	653.275M	-59.31	2.39032G	-55.99	2.48518G	-42.75	22.007816G	-52.47	1
2.433233G	11.69	-18.31	1.718085G	-59.48	2.39168G	-56.19	2.48382G	-43.36	15.155293G	-52.39	2
2.433233G	11.69	-18.31	826.86M	-58.75	2.39704G	-56.89	2.48582G	-42.63	15.214294G	-52.78	3
2.433233G	11.69	-18.31	1.995355G	-59.13	2.39104G	-56.37	2.48382G	-40.91	15.292962G	-52.55	4

802.11ac VHT20_Nss1,(MCS0)_4TX CSE NdB

2412MHz

16/08/2018

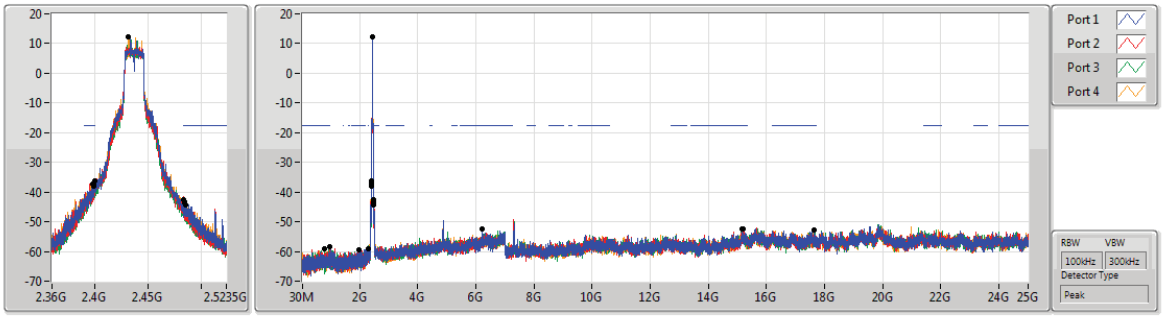


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	12.43	-17.57	599.685M	-59.65	2.39944G	-33.72	2.48734G	-49.38	15.214294G	-52.34	1
2.431897G	12.43	-17.57	662.595M	-58.53	2.39832G	-36.24	2.48734G	-49.44	16.245403G	-52.70	2
2.431897G	12.43	-17.57	2.11302G	-58.96	2.39736G	-33.78	2.48734G	-51.80	6.987895G	-52.42	3
2.431897G	12.43	-17.57	1.98487G	-59.70	2.39512G	-33.75	2.48734G	-49.57	15.23958G	-51.64	4

802.11ac VHT20_Nss1,(MCS0)_4TX CSE NdB

2437MHz

16/08/2018

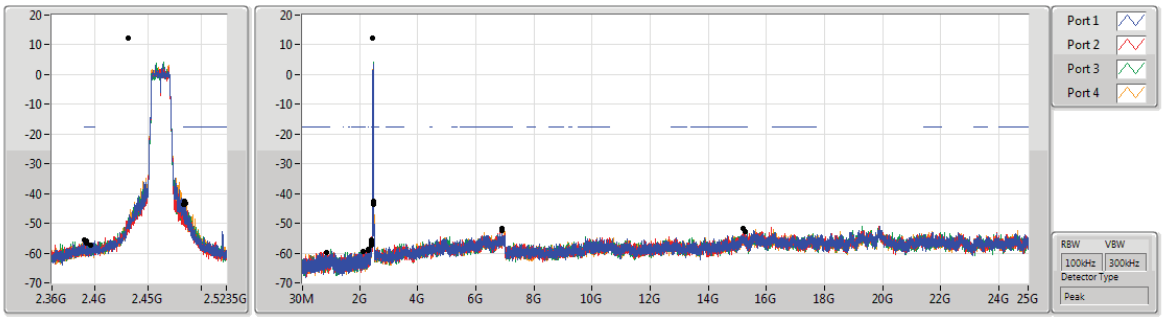


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	12.43	-17.57	2.305245G	-59.01	2.3992G	-37.63	2.48382G	-42.74	6.226503G	-52.41	1
2.431897G	12.43	-17.57	952.68M	-58.50	2.39792G	-37.17	2.48446G	-43.56	15.203056G	-52.54	2
2.431897G	12.43	-17.57	773.27M	-59.09	2.39888G	-38.01	2.48566G	-44.44	15.158103G	-52.53	3
2.431897G	12.43	-17.57	1.98021G	-59.46	2.39984G	-36.32	2.48446G	-43.21	17.650185G	-52.83	4

802.11ac VHT20_Nss1,(MCS0)_4TX CSE NdB

2462MHz

16/08/2018

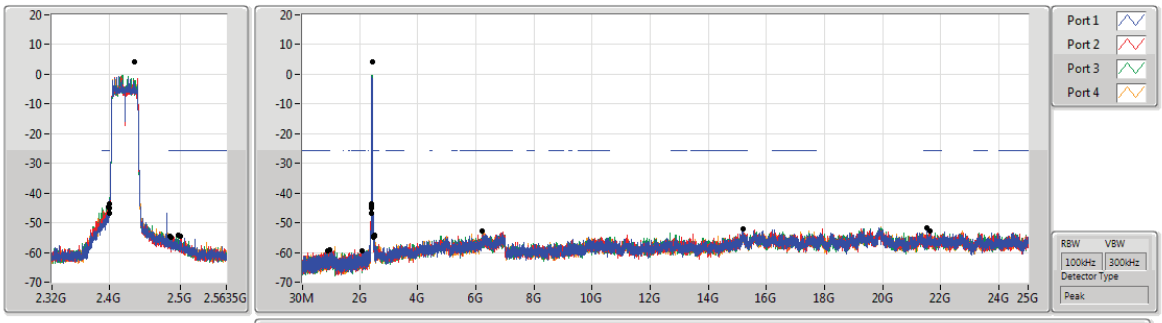


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	12.43	-17.57	2.309905G	-59.04	2.39256G	-56.69	2.48542G	-43.25	6.903608G	-52.48	1
2.431897G	12.43	-17.57	2.309905G	-58.61	2.39624G	-57.29	2.48446G	-42.46	15.278914G	-52.66	2
2.431897G	12.43	-17.57	2.11302G	-59.62	2.39184G	-55.97	2.48382G	-43.67	6.886751G	-51.79	3
2.431897G	12.43	-17.57	847.83M	-59.75	2.39016G	-55.75	2.48398G	-43.61	15.180579G	-51.57	4

802.11ac VHT40_Nss1,(MCS0)_4TX CSE NdB

2422MHz

16/08/2018

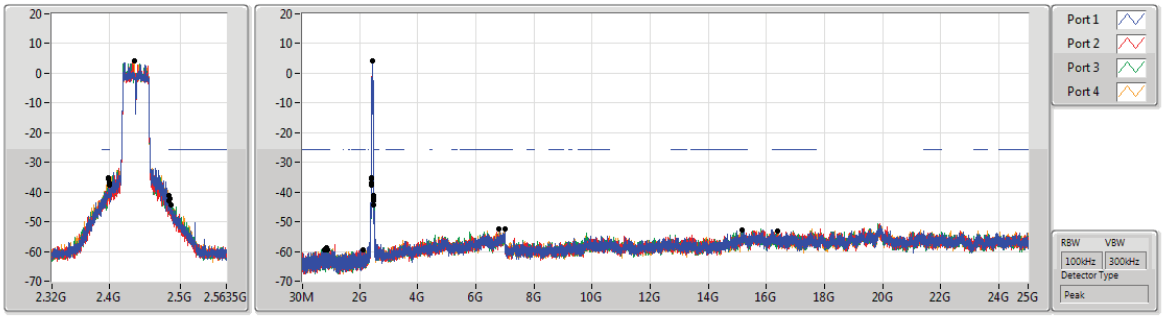


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	4.13	-25.87	2.07726G	-59.33	2.39984G	-46.78	2.48606G	-55.03	21.527952G	-51.83	1
2.434569G	4.13	-25.87	956.305M	-59.13	2.39904G	-44.85	2.49998G	-54.66	21.63172G	-52.88	2
2.434569G	4.13	-25.87	891.04M	-59.28	2.39952G	-43.73	2.4963G	-54.03	6.21504G	-52.77	3
2.434569G	4.13	-25.87	891.04M	-59.51	2.39968G	-44.93	2.48542G	-54.58	15.200859G	-52.09	4

802.11ac VHT40_Nss1,(MCS0)_4TX CSE NdB

2437MHz

16/08/2018

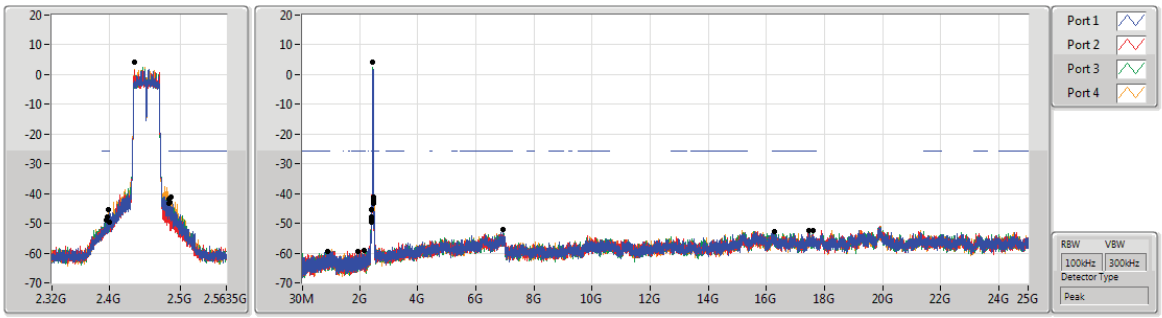


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	4.13	-25.87	797.15M	-59.30	2.39904G	-35.49	2.48382G	-43.03	6.994709G	-52.38	1
2.434569G	4.13	-25.87	2.1139G	-59.28	2.39968G	-37.62	2.48574G	-44.33	16.361948G	-53.14	2
2.434569G	4.13	-25.87	888.75M	-59.50	2.39968G	-36.99	2.48446G	-42.14	15.15879G	-52.80	3
2.434569G	4.13	-25.87	845.24M	-58.85	2.3984G	-35.34	2.48382G	-41.07	6.767539G	-52.39	4

802.11ac VHT40_Nss1,(MCS0)_4TX CSE NdB

2452MHz

16/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	4.13	-25.87	908.215M	-59.36	2.39712G	-47.99	2.48446G	-42.83	17.452922G	-52.56	1
2.434569G	4.13	-25.87	2.135655G	-59.04	2.39984G	-49.78	2.48366G	-43.11	16.258179G	-52.87	2
2.434569G	4.13	-25.87	888.75M	-59.35	2.39648G	-48.74	2.48366G	-41.92	17.601564G	-52.54	3
2.434569G	4.13	-25.87	1.931845G	-59.53	2.39904G	-45.31	2.48606G	-41.21	6.92179G	-51.92	4

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43507G	9.52	-20.48	2.309905G	-58.14	2.398G	-44.51	2.48734G	-49.44	16.253832G	-51.99	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.439579G	7.89	-22.11	2.15263G	-58.08	2.39992G	-42.11	2.48734G	-49.27	15.219913G	-52.25	2
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	2.435738G	9.08	-20.92	1.8241G	-59.62	2.39992G	-41.87	2.48734G	-55.84	16.206069G	-52.80	4
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	2.447094G	0.76	-29.24	946M	-58.91	2.39968G	-45.51	2.48734G	-52.78	21.971073G	-53.05	4

Result

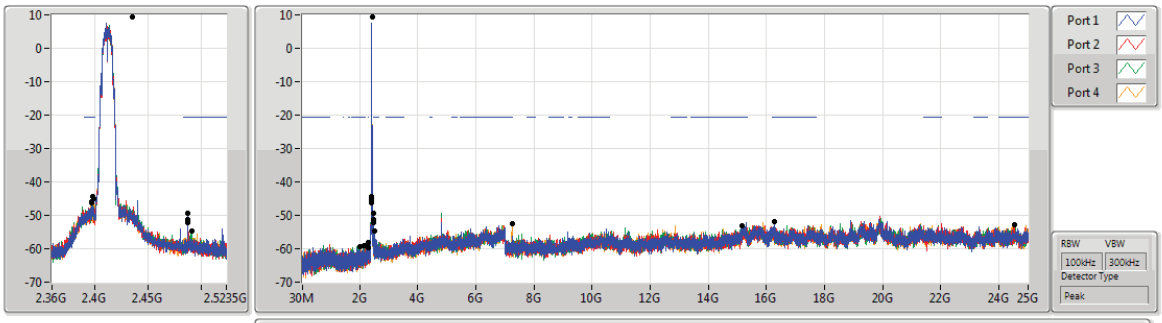
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43507G	9.52	-20.48	2.309905G	-58.14	2.398G	-44.51	2.48734G	-49.44	16.253832G	-51.99	1
2412MHz	Pass	2.43507G	9.52	-20.48	2.300585G	-59.60	2.3976G	-45.90	2.48734G	-51.22	24.542041G	-52.90	2
2412MHz	Pass	2.43507G	9.52	-20.48	2.14564G	-59.10	2.39712G	-46.17	2.49118G	-54.54	15.158103G	-53.06	3
2412MHz	Pass	2.43507G	9.52	-20.48	2.01982G	-59.45	2.39904G	-45.05	2.48734G	-52.34	7.235136G	-52.35	4
2437MHz	Pass	2.43507G	9.52	-20.48	640.46M	-59.18	2.3992G	-53.29	2.51318G	-50.07	21.875767G	-52.48	1
2437MHz	Pass	2.43507G	9.52	-20.48	901.42M	-59.56	2.39984G	-53.15	2.51326G	-51.13	24.435278G	-53.52	2
2437MHz	Pass	2.43507G	9.52	-20.48	2.12001G	-59.51	2.39912G	-54.18	2.51318G	-48.81	16.234165G	-52.48	3
2437MHz	Pass	2.43507G	9.52	-20.48	2.1503G	-59.58	2.39728G	-53.39	2.51318G	-47.84	15.158103G	-51.63	4
2462MHz	Pass	2.43507G	9.52	-20.48	2.051275G	-59.73	2.39016G	-57.45	2.48806G	-49.62	24.513946G	-51.96	1
2462MHz	Pass	2.43507G	9.52	-20.48	773.27M	-59.35	2.39848G	-56.95	2.4839G	-49.70	6.883941G	-52.66	2
2462MHz	Pass	2.43507G	9.52	-20.48	775.6M	-59.49	2.39264G	-55.87	2.48374G	-49.67	16.211689G	-52.74	3
2462MHz	Pass	2.43507G	9.52	-20.48	1.785655G	-59.65	2.39704G	-57.11	2.48358G	-48.64	15.211484G	-51.94	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.439579G	7.89	-22.11	833.85M	-59.12	2.39992G	-43.90	2.48734G	-52.31	17.658613G	-52.89	1
2412MHz	Pass	2.439579G	7.89	-22.11	2.15263G	-58.08	2.39992G	-42.11	2.48734G	-49.27	15.219913G	-52.25	2
2412MHz	Pass	2.439579G	7.89	-22.11	2.123505G	-59.32	2.39992G	-43.13	2.48734G	-50.12	16.234165G	-51.34	3
2412MHz	Pass	2.439579G	7.89	-22.11	2.00817G	-59.57	2.39984G	-43.51	2.48734G	-50.83	15.197436G	-51.66	4
2437MHz	Pass	2.439579G	7.89	-22.11	915.4M	-58.79	2.39712G	-48.07	2.51318G	-47.50	17.577136G	-52.45	1
2437MHz	Pass	2.439579G	7.89	-22.11	2.01982G	-58.83	2.39392G	-49.71	2.51318G	-49.73	16.270689G	-51.83	2
2437MHz	Pass	2.439579G	7.89	-22.11	632.305M	-58.52	2.39888G	-49.84	2.51318G	-50.98	6.757511G	-52.49	3
2437MHz	Pass	2.439579G	7.89	-22.11	2.30874G	-59.14	2.39888G	-47.34	2.51318G	-47.71	21.926339G	-52.27	4
2462MHz	Pass	2.439579G	7.89	-22.11	890.935M	-59.99	2.39016G	-57.08	2.4851G	-49.38	16.234165G	-52.61	1
2462MHz	Pass	2.439579G	7.89	-22.11	1.83109G	-59.85	2.39464G	-56.46	2.48398G	-47.91	21.934767G	-51.87	2
2462MHz	Pass	2.439579G	7.89	-22.11	2.30175G	-59.25	2.39992G	-55.88	2.48854G	-49.17	16.20045G	-52.00	3
2462MHz	Pass	2.439579G	7.89	-22.11	2.132825G	-58.99	2.3908G	-57.16	2.48414G	-47.38	15.228342G	-52.91	4
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.435738G	9.08	-20.92	1.95225G	-59.24	2.39984G	-42.34	2.48742G	-53.76	6.985085G	-52.52	1
2412MHz	Pass	2.435738G	9.08	-20.92	867.635M	-58.19	2.39992G	-42.40	2.48734G	-51.92	21.667859G	-51.95	2
2412MHz	Pass	2.435738G	9.08	-20.92	752.3M	-59.72	2.39992G	-42.57	2.48734G	-52.23	15.191817G	-50.95	3
2412MHz	Pass	2.435738G	9.08	-20.92	1.8241G	-59.62	2.39992G	-41.87	2.48734G	-55.84	16.206069G	-52.80	4
2437MHz	Pass	2.435738G	9.08	-20.92	2.30175G	-59.47	2.39864G	-42.55	2.51318G	-48.06	15.189008G	-52.01	1
2437MHz	Pass	2.435738G	9.08	-20.92	2.06875G	-58.60	2.39512G	-44.17	2.51318G	-51.16	21.535809G	-51.85	2
2437MHz	Pass	2.435738G	9.08	-20.92	2.300585G	-58.64	2.3952G	-45.95	2.48478G	-50.96	16.251022G	-52.30	3
2437MHz	Pass	2.435738G	9.08	-20.92	638.13M	-59.48	2.39952G	-42.44	2.48694G	-49.82	16.214498G	-52.93	4
2462MHz	Pass	2.435738G	9.08	-20.92	2.14564G	-58.68	2.398G	-57.24	2.48438G	-48.46	15.214294G	-52.63	1
2462MHz	Pass	2.435738G	9.08	-20.92	862.975M	-59.11	2.39656G	-58.19	2.48358G	-50.79	15.242389G	-52.67	2
2462MHz	Pass	2.435738G	9.08	-20.92	670.75M	-59.44	2.3912G	-57.09	2.48414G	-49.03	15.189008G	-52.36	3
2462MHz	Pass	2.435738G	9.08	-20.92	2.118845G	-58.61	2.39064G	-57.11	2.48574G	-47.73	24.598233G	-53.02	4

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.447094G	0.76	-29.24	1.96505G	-59.06	2.39952G	-52.09	2.51998G	-55.85	6.913376G	-52.85	1
2422MHz	Pass	2.447094G	0.76	-29.24	1.94673G	-59.17	2.39968G	-49.70	2.48718G	-56.44	15.175618G	-52.33	2
2422MHz	Pass	2.447094G	0.76	-29.24	718.145M	-56.28	2.39968G	-50.22	2.48398G	-55.10	17.556691G	-52.50	3
2422MHz	Pass	2.447094G	0.76	-29.24	2.080695G	-59.38	2.39712G	-48.21	2.48958G	-56.06	15.206468G	-52.33	4
2437MHz	Pass	2.447094G	0.76	-29.24	862.415M	-59.03	2.39952G	-46.16	2.4875G	-53.06	16.875182G	-52.48	1
2437MHz	Pass	2.447094G	0.76	-29.24	2.062375G	-58.47	2.39904G	-48.71	2.48718G	-53.39	16.21611G	-51.91	2
2437MHz	Pass	2.447094G	0.76	-29.24	2.119625G	-59.38	2.39952G	-47.40	2.48862G	-51.96	15.184031G	-52.67	3
2437MHz	Pass	2.447094G	0.76	-29.24	946M	-58.91	2.39968G	-45.51	2.48734G	-52.78	21.971073G	-53.05	4
2452MHz	Pass	2.447094G	0.76	-29.24	2.101305G	-59.18	2.39888G	-52.50	2.48382G	-47.26	6.798389G	-52.73	1
2452MHz	Pass	2.447094G	0.76	-29.24	1.959325G	-59.38	2.39808G	-52.19	2.48974G	-51.57	17.009801G	-52.46	2
2452MHz	Pass	2.447094G	0.76	-29.24	2.30397G	-59.42	2.39888G	-50.59	2.48606G	-48.41	16.289029G	-52.28	3
2452MHz	Pass	2.447094G	0.76	-29.24	1.716585G	-59.37	2.39856G	-50.52	2.4907G	-48.43	16.297443G	-52.96	4

802.11b_Nss1,(1Mbps)_4TX CSE NdB

2412MHz

14/08/2018

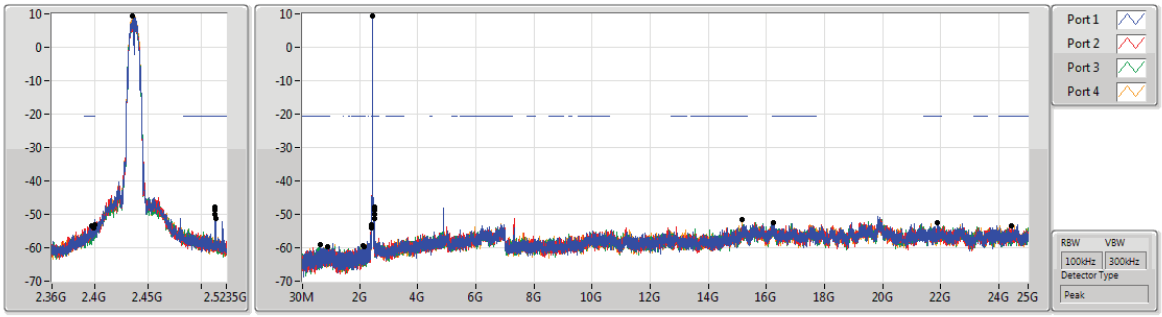


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	9.52	-20.48	2.309905G	-58.14	2.398G	-44.51	2.48734G	-49.44	16.253832G	-51.99	1
2.43507G	9.52	-20.48	2.300585G	-59.60	2.3976G	-45.90	2.48734G	-51.22	24.542041G	-52.90	2
2.43507G	9.52	-20.48	2.14564G	-59.10	2.39712G	-46.17	2.49118G	-54.54	15.158103G	-53.06	3
2.43507G	9.52	-20.48	2.01982G	-59.45	2.39904G	-45.05	2.48734G	-52.34	7.235136G	-52.35	4

802.11b_Nss1,(1Mbps)_4TX CSE NdB

2437MHz

14/08/2018

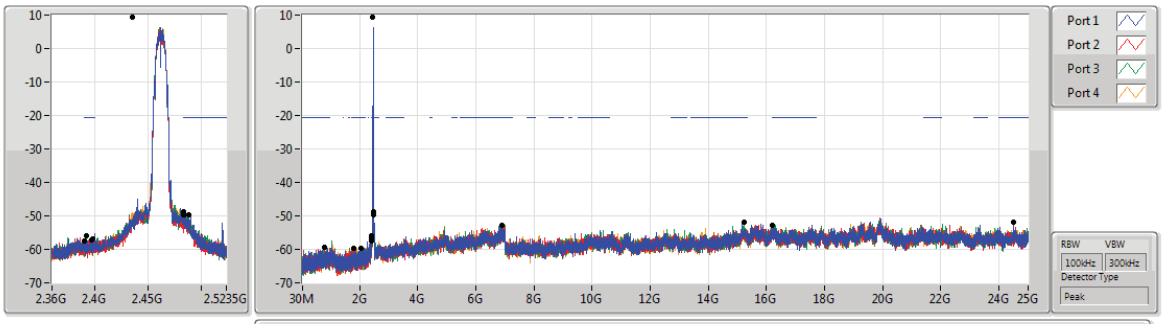


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	9.52	-20.48	640.46M	-59.18	2.3992G	-53.29	2.51318G	-50.07	21.875767G	-52.48	1
2.43507G	9.52	-20.48	901.42M	-59.56	2.39984G	-53.15	2.51326G	-51.13	24.435278G	-53.52	2
2.43507G	9.52	-20.48	2.12001G	-59.51	2.39912G	-54.18	2.51318G	-48.81	16.234165G	-52.48	3
2.43507G	9.52	-20.48	2.1503G	-59.58	2.39728G	-53.39	2.51318G	-47.84	15.158103G	-51.63	4

802.11b_Nss1,(1Mbps)_4TX CSE NdB

2462MHz

14/08/2018

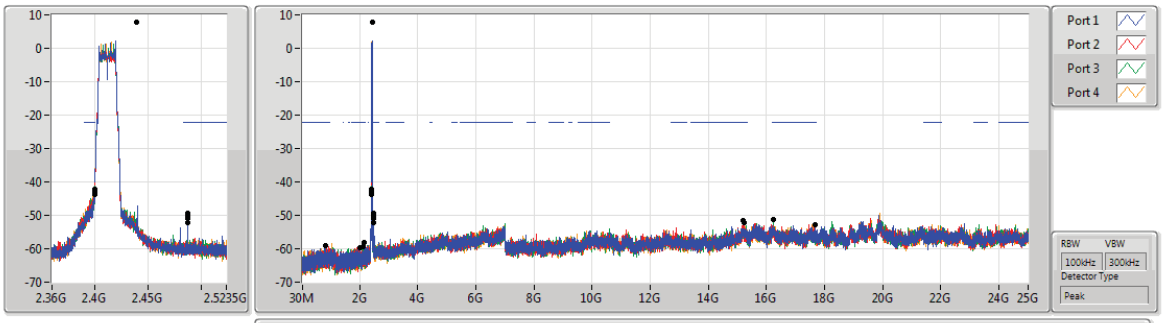


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	9.52	-20.48	2.051275G	-59.73	2.39016G	-57.45	2.48806G	-49.62	24.513946G	-51.96	1
2.43507G	9.52	-20.48	773.27M	-59.35	2.39848G	-56.95	2.4839G	-49.70	6.883941G	-52.66	2
2.43507G	9.52	-20.48	775.6M	-59.49	2.39264G	-55.87	2.48374G	-49.67	16.211689G	-52.74	3
2.43507G	9.52	-20.48	1.785655G	-59.65	2.39704G	-57.11	2.48358G	-48.64	15.211484G	-51.94	4

802.11g_Nss1,(6Mbps)_4TX CSE NdB

2412MHz

14/08/2018

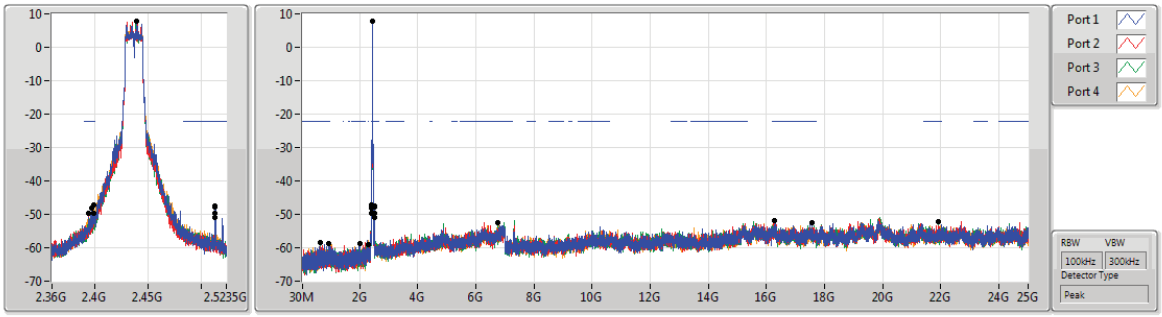


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	7.89	-22.11	833.85M	-59.12	2.39992G	-43.90	2.48734G	-52.31	17.658613G	-52.89	1
2.439579G	7.89	-22.11	2.15263G	-58.08	2.39992G	-42.11	2.48734G	-49.27	15.219913G	-52.25	2
2.439579G	7.89	-22.11	2.123505G	-59.32	2.39992G	-43.13	2.48734G	-50.12	16.234165G	-51.34	3
2.439579G	7.89	-22.11	2.00817G	-59.57	2.39984G	-43.51	2.48734G	-50.83	15.197436G	-51.66	4

802.11g_Nss1,(6Mbps)_4TX CSE NdB

2437MHz

14/08/2018

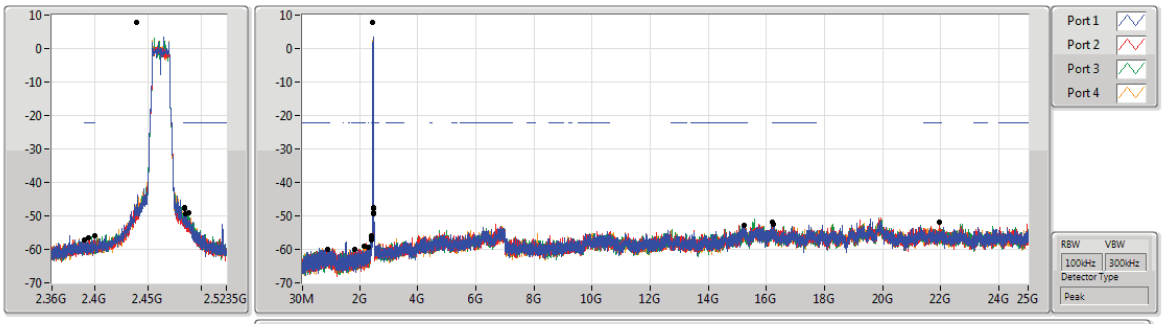


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	7.89	-22.11	915.4M	-58.79	2.39712G	-48.07	2.51318G	-47.50	17.577136G	-52.45	1
2.439579G	7.89	-22.11	2.01982G	-58.83	2.39392G	-49.71	2.51318G	-49.73	16.270689G	-51.83	2
2.439579G	7.89	-22.11	632.305M	-58.52	2.39888G	-49.84	2.51318G	-50.98	6.757511G	-52.49	3
2.439579G	7.89	-22.11	2.30874G	-59.14	2.39888G	-47.34	2.51318G	-47.71	21.926339G	-52.27	4

802.11g_Nss1,(6Mbps)_4TX CSE NdB

2462MHz

14/08/2018

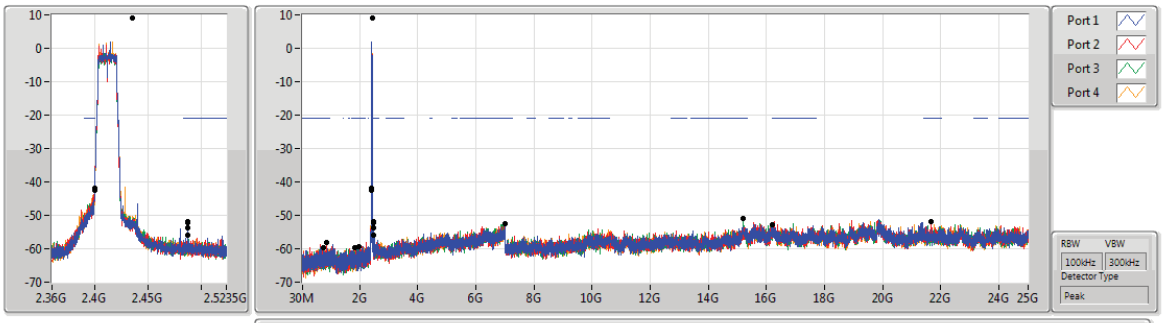


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	7.89	-22.11	890.935M	-59.99	2.39016G	-57.08	2.4851G	-49.38	16.234165G	-52.61	1
2.439579G	7.89	-22.11	1.83109G	-59.85	2.39464G	-56.46	2.48398G	-47.91	21.934767G	-51.87	2
2.439579G	7.89	-22.11	2.30175G	-59.25	2.39992G	-55.88	2.48854G	-49.17	16.20045G	-52.00	3
2.439579G	7.89	-22.11	2.132825G	-58.99	2.3908G	-57.16	2.48414G	-47.38	15.228342G	-52.91	4

802.11ac VHT20_Nss1,(MCS0)_4TX CSE NdB

2412MHz

14/08/2018

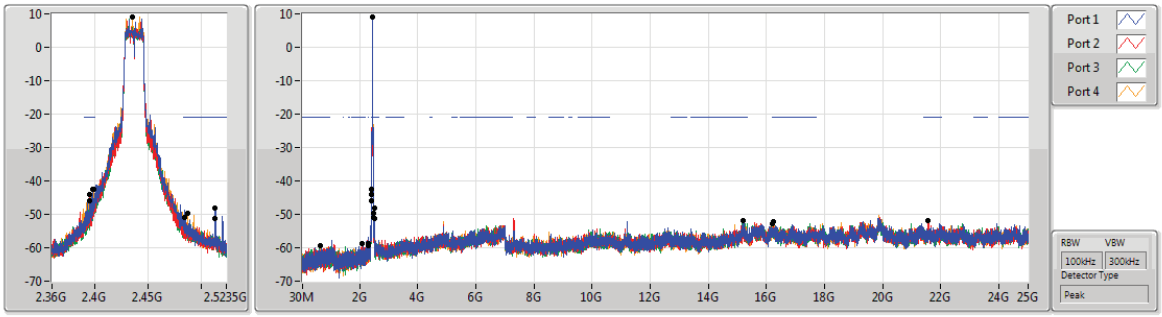


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	9.08	-20.92	1.95225G	-59.24	2.39984G	-42.34	2.48742G	-53.76	6.985085G	-52.52	1
2.435738G	9.08	-20.92	867.635M	-58.19	2.39992G	-42.40	2.48734G	-51.92	21.667859G	-51.95	2
2.435738G	9.08	-20.92	752.3M	-59.72	2.39992G	-42.57	2.48734G	-52.23	15.191817G	-50.95	3
2.435738G	9.08	-20.92	1.8241G	-59.62	2.39992G	-41.87	2.48734G	-55.84	16.206069G	-52.80	4

802.11ac VHT20_Nss1,(MCS0)_4TX CSE NdB

2437MHz

14/08/2018

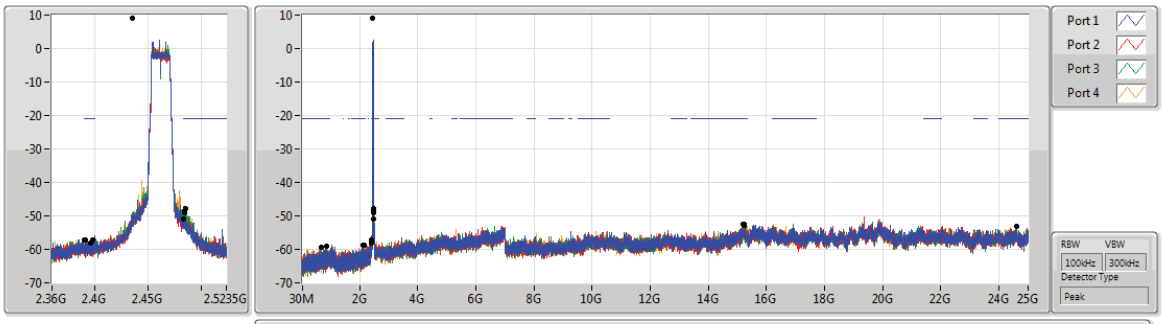


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	9.08	-20.92	2.30175G	-59.47	2.39864G	-42.55	2.51318G	-48.06	15.189008G	-52.01	1
2.435738G	9.08	-20.92	2.06875G	-58.60	2.39512G	-44.17	2.51318G	-51.16	21.535809G	-51.85	2
2.435738G	9.08	-20.92	2.300585G	-58.64	2.3952G	-45.95	2.48478G	-50.96	16.251022G	-52.30	3
2.435738G	9.08	-20.92	638.13M	-59.48	2.39952G	-42.44	2.48694G	-49.82	16.214498G	-52.93	4

802.11ac VHT20_Nss1,(MCS0)_4TX CSE NdB

2462MHz

14/08/2018

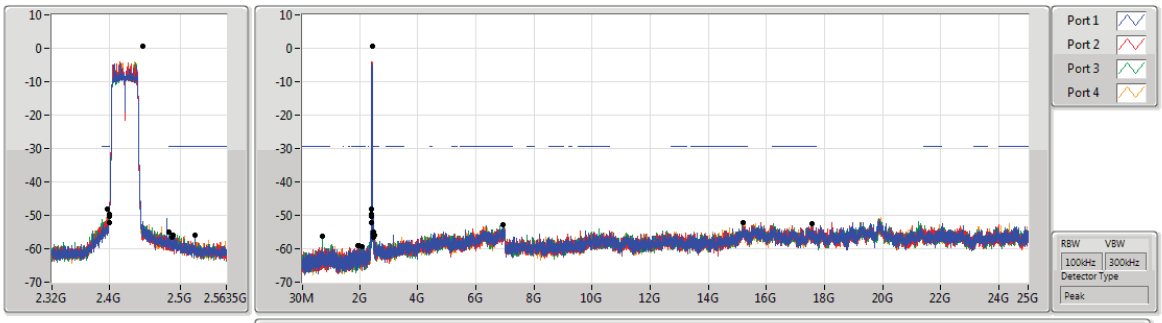


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	9.08	-20.92	2.14564G	-58.68	2.398G	-57.24	2.48438G	-48.46	15.214294G	-52.63	1
2.435738G	9.08	-20.92	862.975M	-59.11	2.39656G	-58.19	2.48358G	-50.79	15.242389G	-52.67	2
2.435738G	9.08	-20.92	670.75M	-59.44	2.3912G	-57.09	2.48414G	-49.03	15.189008G	-52.36	3
2.435738G	9.08	-20.92	2.118845G	-58.61	2.39064G	-57.11	2.48574G	-47.73	24.598233G	-53.02	4

802.11ac VHT40_Nss1,(MCS0)_4TX CSE NdB

2422MHz

14/08/2018

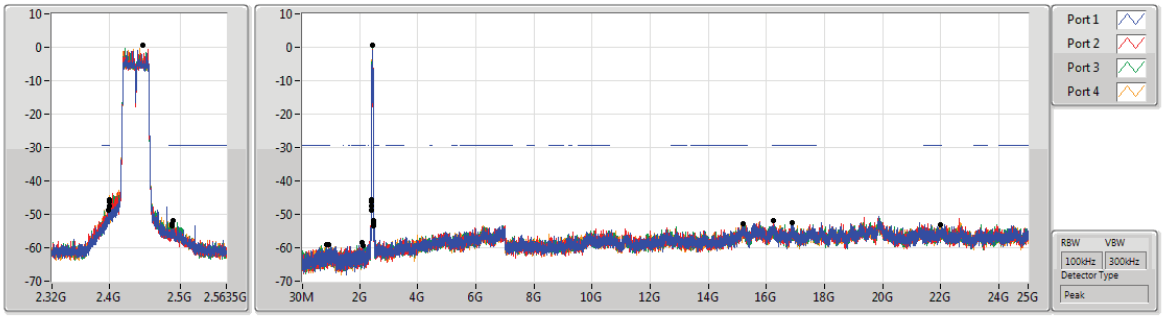


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.447094G	0.76	-29.24	1.96505G	-59.06	2.39952G	-52.09	2.51998G	-55.85	6.913376G	-52.85	1
2.447094G	0.76	-29.24	1.94673G	-59.17	2.39968G	-49.70	2.48718G	-56.44	15.175618G	-52.33	2
2.447094G	0.76	-29.24	718.145M	-56.28	2.39968G	-50.22	2.48398G	-55.10	17.556691G	-52.50	3
2.447094G	0.76	-29.24	2.080695G	-59.38	2.39712G	-48.21	2.48958G	-56.06	15.206468G	-52.33	4

802.11ac VHT40_Nss1,(MCS0)_4TX CSE NdB

2437MHz

14/08/2018

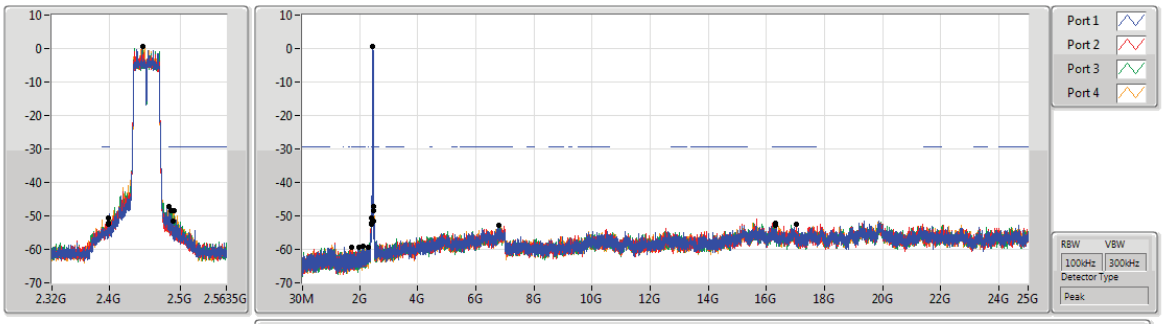


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.447094G	0.76	-29.24	862.415M	-59.03	2.39952G	-46.16	2.4875G	-53.06	16.875182G	-52.48	1
2.447094G	0.76	-29.24	2.062375G	-58.47	2.39904G	-48.71	2.48718G	-53.39	16.21611G	-51.91	2
2.447094G	0.76	-29.24	2.119625G	-59.38	2.39952G	-47.40	2.48862G	-51.96	15.184031G	-52.67	3
2.447094G	0.76	-29.24	946M	-58.91	2.39968G	-45.51	2.48734G	-52.78	21.971073G	-53.05	4

802.11ac VHT40_Nss1,(MCS0)_4TX CSE NdB

2452MHz

14/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.447094G	0.76	-29.24	2.101305G	-59.18	2.39888G	-52.50	2.48382G	-47.26	6.798389G	-52.73	1
2.447094G	0.76	-29.24	1.959325G	-59.38	2.39808G	-52.19	2.48974G	-51.57	17.009801G	-52.46	2
2.447094G	0.76	-29.24	2.30397G	-59.42	2.39888G	-50.59	2.48606G	-48.41	16.289029G	-52.28	3
2.447094G	0.76	-29.24	1.716585G	-59.37	2.39856G	-50.52	2.4907G	-48.43	16.297443G	-52.96	4

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	Pass	2.435738G	11.35	-18.65	2.125835G	-60.84	2.398G	-31.91	2.48734G	-47.00	16.231355G	-50.06	4
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	Pass	2.428557G	5.09	-24.91	656.315M	-61.70	2.39808G	-48.45	2.4851G	-42.29	15.217686G	-51.27	4

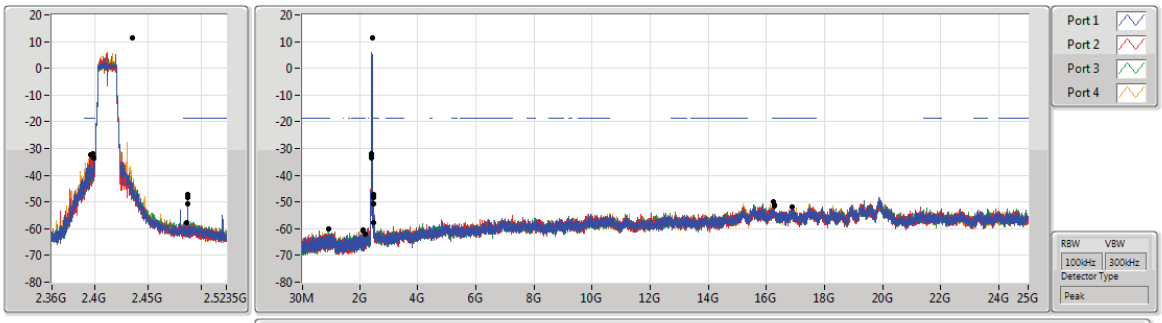
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.170105G	-62.02	2.3996G	-33.44	2.48734G	-50.80	16.871936G	-51.73	1
2412MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.130495G	-60.43	2.3964G	-32.34	2.48582G	-57.74	16.276308G	-50.96	2
2412MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	939.865M	-60.06	2.39704G	-32.50	2.48734G	-48.53	16.259451G	-51.47	3
2412MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.125835G	-60.84	2.398G	-31.91	2.48734G	-47.00	16.231355G	-50.06	4
2437MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	646.285M	-61.81	2.39952G	-38.67	2.48446G	-45.28	17.588374G	-51.85	1
2437MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.16428G	-60.97	2.39992G	-38.99	2.48478G	-45.57	17.478801G	-50.62	2
2437MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.30641G	-61.13	2.39984G	-39.17	2.4847G	-45.81	17.42542G	-51.10	3
2437MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.309905G	-61.23	2.39952G	-37.76	2.48454G	-43.51	16.590979G	-51.57	4
2462MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	599.685M	-61.36	2.39152G	-57.02	2.48414G	-43.41	15.242389G	-51.73	1
2462MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.309905G	-61.64	2.39104G	-56.55	2.48358G	-42.27	17.450706G	-51.38	2
2462MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.30641G	-61.44	2.39656G	-57.24	2.4839G	-41.46	17.42542G	-52.08	3
2462MHz_TnomVnom	Pass	2.435738G	11.35	-18.65	2.09205G	-60.89	2.39736G	-56.44	2.48382G	-39.05	16.242594G	-51.85	4
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	1.91925G	-61.99	2.39712G	-45.36	2.51998G	-55.17	16.92286G	-51.84	1
2422MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	2.126495G	-61.24	2.39712G	-43.49	2.49022G	-56.14	17.461336G	-51.54	2
2422MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	2.18031G	-61.80	2.39392G	-45.18	2.49054G	-56.01	16.221719G	-51.95	3
2422MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	1.92383G	-61.02	2.3984G	-44.41	2.48446G	-54.66	15.172813G	-51.65	4
2437MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	617.385M	-60.37	2.39968G	-42.61	2.48478G	-45.75	17.5623G	-51.35	1
2437MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	2.099015G	-61.74	2.3992G	-44.50	2.48846G	-47.95	15.217686G	-51.94	2
2437MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	823.485M	-60.77	2.39904G	-44.38	2.48558G	-46.80	17.478163G	-51.65	3
2437MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	2.30626G	-61.77	2.39776G	-43.50	2.48574G	-44.64	16.331097G	-51.73	4
2452MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	746.77M	-61.00	2.39904G	-51.38	2.4883G	-43.48	17.455727G	-51.59	1
2452MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	698.68M	-60.96	2.39584G	-49.84	2.49294G	-45.94	16.202087G	-52.01	2
2452MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	791.425M	-61.29	2.39808G	-48.00	2.48558G	-45.19	21.676593G	-51.50	3
2452MHz_TnomVnom	Pass	2.428557G	5.09	-24.91	656.315M	-61.70	2.39808G	-48.45	2.4851G	-42.29	15.217686G	-51.27	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **CSE NdB**

2412MHz

17/08/2018

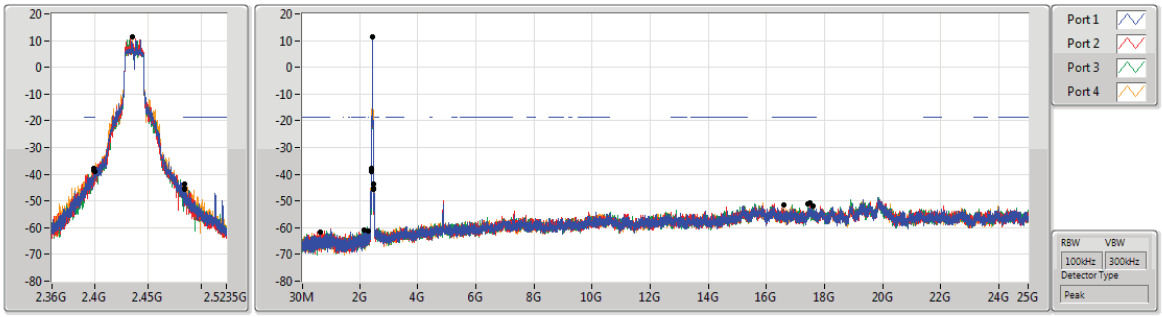


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	11.35	-18.65	2.170105G	-62.02	2.3996G	-33.44	2.48734G	-50.80	16.871936G	-51.73	1
2.435738G	11.35	-18.65	2.130495G	-60.43	2.3964G	-32.34	2.48582G	-57.74	16.276308G	-50.96	2
2.435738G	11.35	-18.65	939.865M	-60.06	2.39704G	-32.50	2.48734G	-48.53	16.259451G	-51.47	3
2.435738G	11.35	-18.65	2.125835G	-60.84	2.398G	-31.91	2.48734G	-47.00	16.231355G	-50.06	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **CSE NdB**

2437MHz

17/08/2018

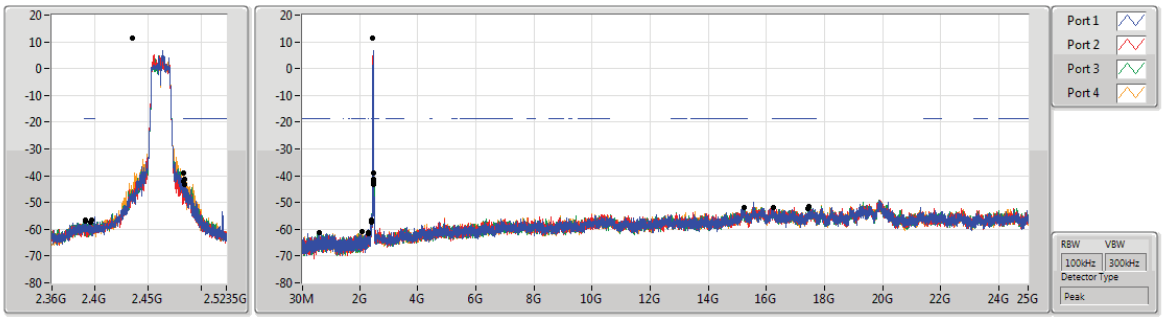


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	11.35	-18.65	646.285M	-61.81	2.39952G	-38.67	2.48446G	-45.28	17.588374G	-51.85	1
2.435738G	11.35	-18.65	2.16428G	-60.97	2.39992G	-38.99	2.48478G	-45.57	17.478801G	-50.62	2
2.435738G	11.35	-18.65	2.30641G	-61.13	2.39984G	-39.17	2.4847G	-45.81	17.42542G	-51.10	3
2.435738G	11.35	-18.65	2.309905G	-61.23	2.39952G	-37.76	2.48454G	-43.51	16.590979G	-51.57	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **CSE NdB**

2462MHz

17/08/2018

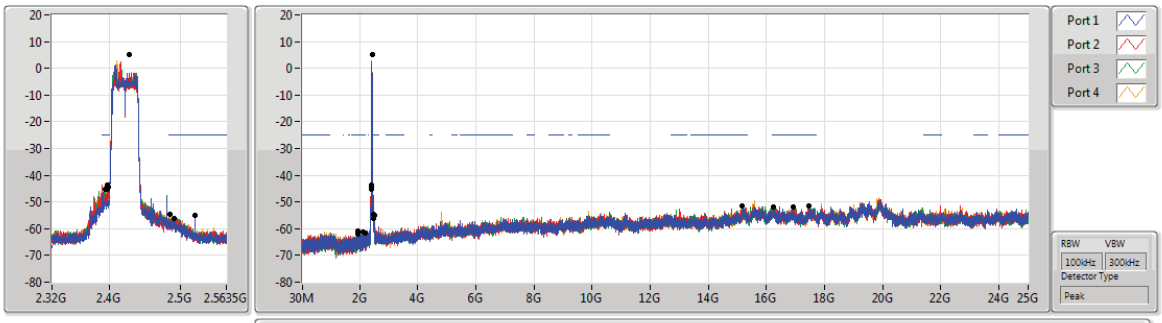


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	11.35	-18.65	599.685M	-61.36	2.39152G	-57.02	2.48414G	-43.41	15.242389G	-51.73	1
2.435738G	11.35	-18.65	2.309905G	-61.64	2.39104G	-56.55	2.48358G	-42.27	17.450706G	-51.38	2
2.435738G	11.35	-18.65	2.30641G	-61.44	2.39656G	-57.24	2.4839G	-41.46	17.42542G	-52.08	3
2.435738G	11.35	-18.65	2.09205G	-60.89	2.39736G	-56.44	2.48382G	-39.05	16.242594G	-51.85	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX CSE NdB

2422MHz

17/08/2018

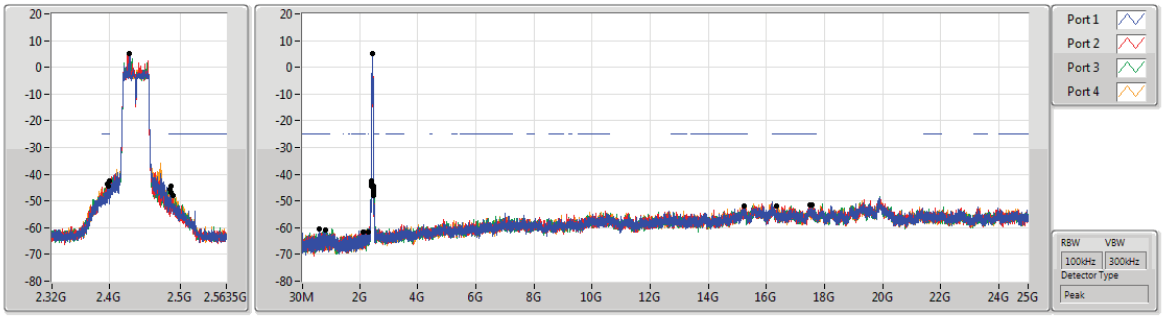


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.428557G	5.09	-24.91	1.91925G	-61.99	2.39712G	-45.36	2.51998G	-55.17	16.92286G	-51.84	1
2.428557G	5.09	-24.91	2.126495G	-61.24	2.39712G	-43.49	2.49022G	-56.14	17.461336G	-51.54	2
2.428557G	5.09	-24.91	2.18031G	-61.80	2.39392G	-45.18	2.49054G	-56.01	16.221719G	-51.95	3
2.428557G	5.09	-24.91	1.92383G	-61.02	2.3984G	-44.41	2.48446G	-54.66	15.172813G	-51.65	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX CSE NdB

2437MHz

17/08/2018

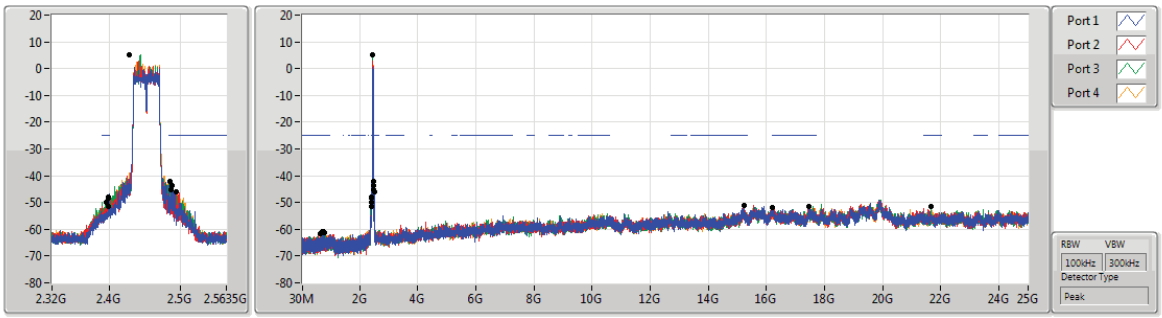


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.428557G	5.09	-24.91	617.385M	-60.37	2.39968G	-42.61	2.48478G	-45.75	17.5623G	-51.35	1
2.428557G	5.09	-24.91	2.099015G	-61.74	2.3992G	-44.50	2.48846G	-47.95	15.217686G	-51.94	2
2.428557G	5.09	-24.91	823.485M	-60.77	2.39904G	-44.38	2.48558G	-46.80	17.478163G	-51.65	3
2.428557G	5.09	-24.91	2.30626G	-61.77	2.39776G	-43.50	2.48574G	-44.64	16.331097G	-51.73	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX CSE NdB

2452MHz

17/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.428557G	5.09	-24.91	746.77M	-61.00	2.39904G	-51.38	2.4883G	-43.48	17.455727G	-51.59	1
2.428557G	5.09	-24.91	698.68M	-60.96	2.39584G	-49.84	2.49294G	-45.94	16.202087G	-52.01	2
2.428557G	5.09	-24.91	791.425M	-61.29	2.39808G	-48.00	2.48558G	-45.19	21.676593G	-51.50	3
2.428557G	5.09	-24.91	656.315M	-61.70	2.39808G	-48.45	2.4851G	-42.29	15.217686G	-51.27	4

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	Pass	2.437575G	4.96	-25.04	678.905M	-61.77	2.39992G	-44.25	2.48734G	-50.60	15.17496G	-51.74	4
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	Pass	2.434569G	1.64	-28.36	820.05M	-61.80	2.39936G	-45.15	2.49182G	-51.31	17.444509G	-51.48	4

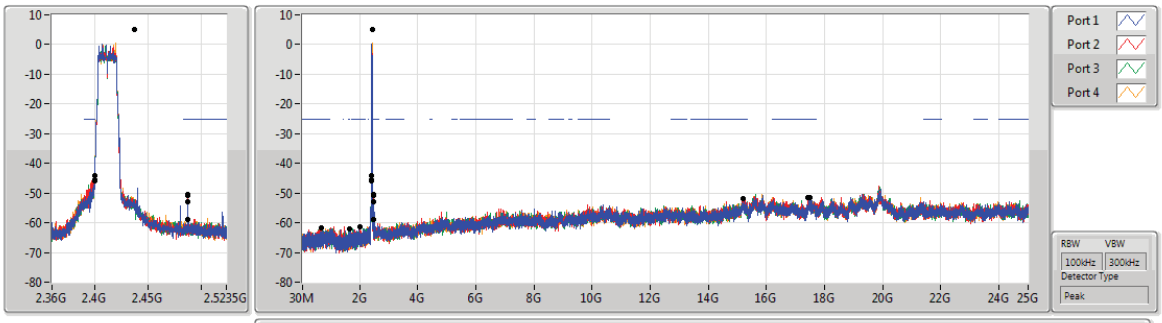
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	1.655175G	-62.03	2.39992G	-45.83	2.48734G	-52.93	17.48442G	-51.40	1
2412MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	1.64003G	-62.11	2.39984G	-45.52	2.48734G	-50.86	17.42261G	-51.37	2
2412MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	1.990695G	-61.48	2.39976G	-46.03	2.48734G	-58.90	17.464753G	-51.64	3
2412MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	678.905M	-61.77	2.39992G	-44.25	2.48734G	-50.60	15.17496G	-51.74	4
2437MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	2.03846G	-61.41	2.39864G	-56.13	2.51318G	-54.00	17.456325G	-51.35	1
2437MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	2.302915G	-61.62	2.39976G	-55.67	2.51318G	-53.57	15.197436G	-52.18	2
2437MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	1.93128G	-61.64	2.39872G	-55.91	2.48574G	-56.15	17.641756G	-51.61	3
2437MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	755.795M	-61.78	2.39696G	-55.32	2.51318G	-50.50	15.169341G	-49.79	4
2462MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	1.960405G	-61.04	2.39648G	-58.22	2.4855G	-51.70	15.17777G	-51.69	1
2462MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	936.37M	-61.33	2.39728G	-58.52	2.48414G	-51.39	16.231355G	-51.45	2
2462MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	2.123505G	-60.87	2.3952G	-59.09	2.4851G	-49.85	16.206069G	-51.88	3
2462MHz_TnomVnom	Pass	2.437575G	4.96	-25.04	2.305245G	-60.67	2.3904G	-59.06	2.48398G	-50.60	15.152483G	-51.42	4
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	1.98108G	-62.01	2.39968G	-50.25	2.51998G	-56.02	17.497795G	-51.17	1
2422MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	350.6M	-61.37	2.39904G	-48.57	2.49486G	-56.75	17.492186G	-51.26	2
2422MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	2.17802G	-61.07	2.39904G	-46.79	2.48478G	-54.85	16.835919G	-51.67	3
2422MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	308.235M	-60.65	2.39744G	-46.88	2.48638G	-55.67	16.917251G	-51.54	4
2437MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	1.9536G	-61.64	2.39904G	-47.37	2.48766G	-53.34	15.18964G	-51.73	1
2437MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	842.95M	-62.01	2.39728G	-47.47	2.48798G	-53.15	16.493762G	-52.07	2
2437MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	2.30168G	-61.00	2.39552G	-47.65	2.4883G	-51.61	16.227329G	-51.25	3
2437MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	820.05M	-61.80	2.39936G	-45.15	2.49182G	-51.31	17.444509G	-51.48	4
2452MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	1.93986G	-60.58	2.3992G	-53.32	2.48414G	-51.46	16.89201G	-51.52	1
2452MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	873.865M	-61.47	2.39472G	-51.97	2.48606G	-51.24	16.255374G	-51.69	2
2452MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	375.79M	-62.05	2.39568G	-51.97	2.4875G	-50.31	17.523036G	-50.58	3
2452MHz_TnomVnom	Pass	2.434569G	1.64	-28.36	2.06123G	-61.41	2.3992G	-51.96	2.4883G	-49.48	15.130745G	-52.28	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX CSE NdB

2412MHz

17/08/2018

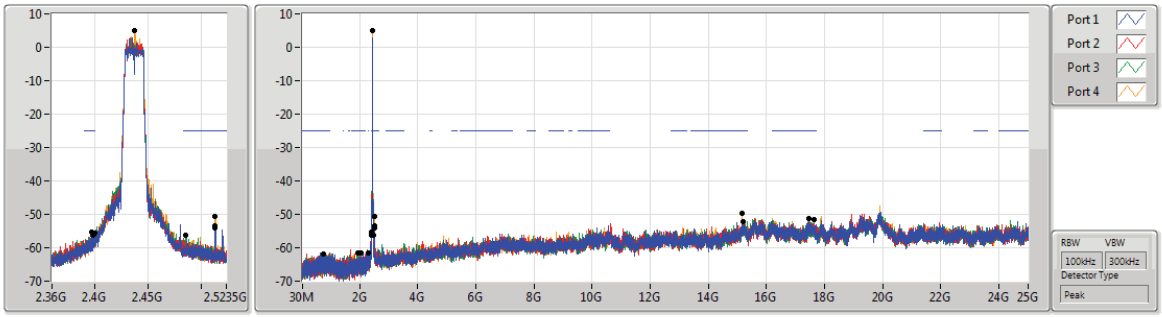


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	4.96	-25.04	1.655175G	-62.03	2.39992G	-45.83	2.48734G	-52.93	17.48442G	-51.40	1
2.437575G	4.96	-25.04	1.64003G	-62.11	2.39984G	-45.52	2.48734G	-50.86	17.42261G	-51.37	2
2.437575G	4.96	-25.04	1.990695G	-61.48	2.39976G	-46.03	2.48734G	-58.90	17.464753G	-51.64	3
2.437575G	4.96	-25.04	678.905M	-61.77	2.39992G	-44.25	2.48734G	-50.60	15.17496G	-51.74	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX CSE NdB

2437MHz

17/08/2018

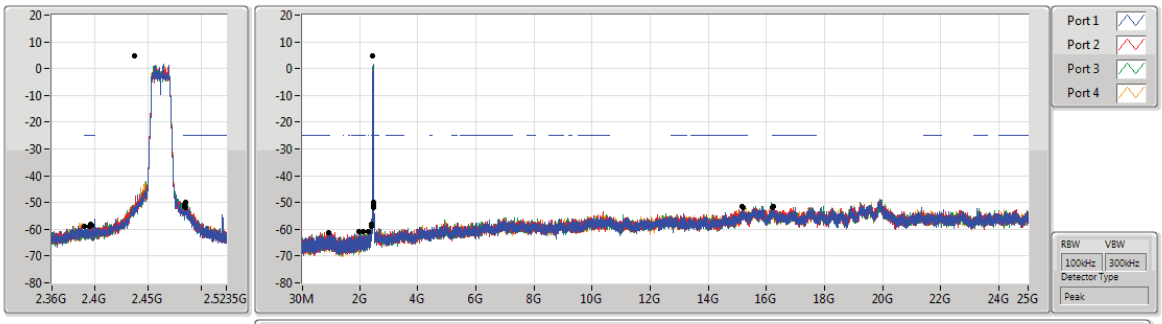


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	4.96	-25.04	2.03846G	-61.41	2.39864G	-56.13	2.51318G	-54.00	17.456325G	-51.35	1
2.437575G	4.96	-25.04	2.302915G	-61.62	2.39976G	-55.67	2.51318G	-53.57	15.197436G	-52.18	2
2.437575G	4.96	-25.04	1.93128G	-61.64	2.39872G	-55.91	2.48574G	-56.15	17.641756G	-51.61	3
2.437575G	4.96	-25.04	755.795M	-61.78	2.39696G	-55.32	2.51318G	-50.50	15.169341G	-49.79	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX CSE NdB

2462MHz

17/08/2018

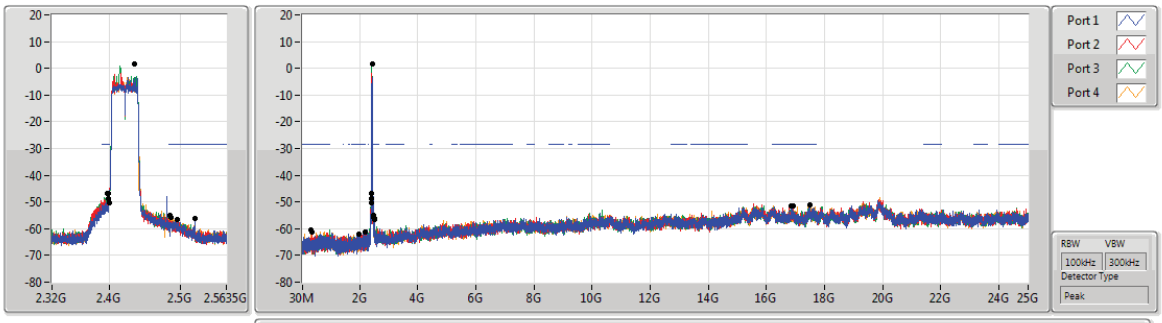


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	4.96	-25.04	1.960405G	-61.04	2.39648G	-58.22	2.4855G	-51.70	15.17777G	-51.69	1
2.437575G	4.96	-25.04	936.37M	-61.33	2.39728G	-58.52	2.48414G	-51.39	16.231355G	-51.45	2
2.437575G	4.96	-25.04	2.123505G	-60.87	2.3952G	-59.09	2.4851G	-49.85	16.206069G	-51.88	3
2.437575G	4.96	-25.04	2.305245G	-60.67	2.3904G	-59.06	2.48398G	-50.60	15.152483G	-51.42	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX CSE NdB

2422MHz

17/08/2018

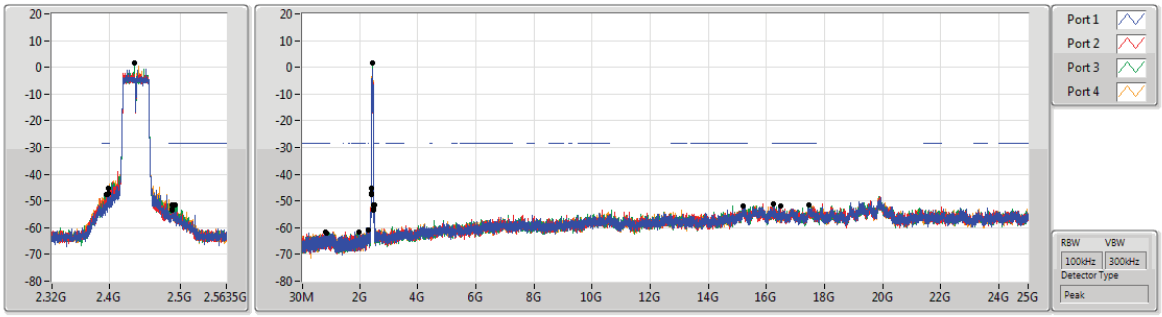


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	1.64	-28.36	1.98108G	-62.01	2.39968G	-50.25	2.51998G	-56.02	17.497795G	-51.17	1
2.434569G	1.64	-28.36	350.6M	-61.37	2.39904G	-48.57	2.49486G	-56.75	17.492186G	-51.26	2
2.434569G	1.64	-28.36	2.17802G	-61.07	2.39904G	-46.79	2.48478G	-54.85	16.835919G	-51.67	3
2.434569G	1.64	-28.36	308.235M	-60.65	2.39744G	-46.88	2.48638G	-55.67	16.917251G	-51.54	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX CSE NdB

2437MHz

17/08/2018

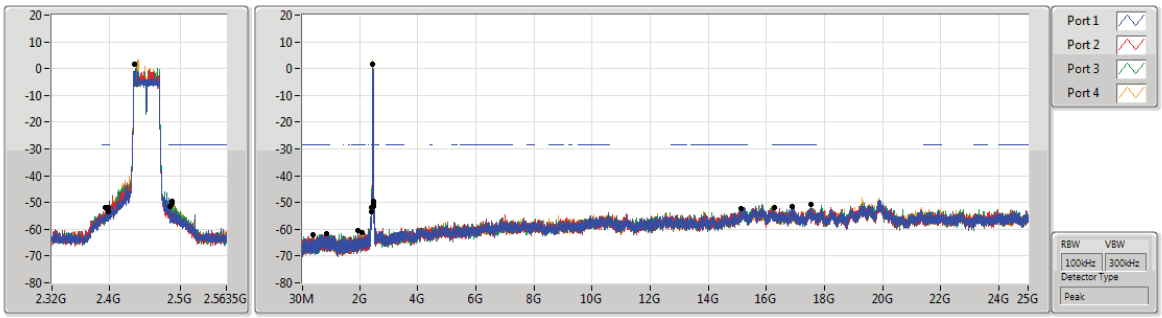


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	1.64	-28.36	1.9536G	-61.64	2.39904G	-47.37	2.48766G	-53.34	15.18964G	-51.73	1
2.434569G	1.64	-28.36	842.95M	-62.01	2.39728G	-47.47	2.48798G	-53.15	16.493762G	-52.07	2
2.434569G	1.64	-28.36	2.30168G	-61.00	2.39552G	-47.65	2.4883G	-51.61	16.227329G	-51.25	3
2.434569G	1.64	-28.36	820.05M	-61.80	2.39936G	-45.15	2.49182G	-51.31	17.444509G	-51.48	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX CSE NdB

2452MHz

17/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	1.64	-28.36	1.93986G	-60.58	2.3992G	-53.32	2.48414G	-51.46	16.89201G	-51.52	1
2.434569G	1.64	-28.36	873.865M	-61.47	2.39472G	-51.97	2.48606G	-51.24	16.255374G	-51.69	2
2.434569G	1.64	-28.36	375.79M	-62.05	2.39568G	-51.97	2.4875G	-50.31	17.523036G	-50.58	3
2.434569G	1.64	-28.36	2.06123G	-61.41	2.3992G	-51.96	2.4883G	-49.48	15.130745G	-52.28	4

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	59.1M	36.17	40.00	-3.83	-25.56	3	Vertical	360	1.00	-

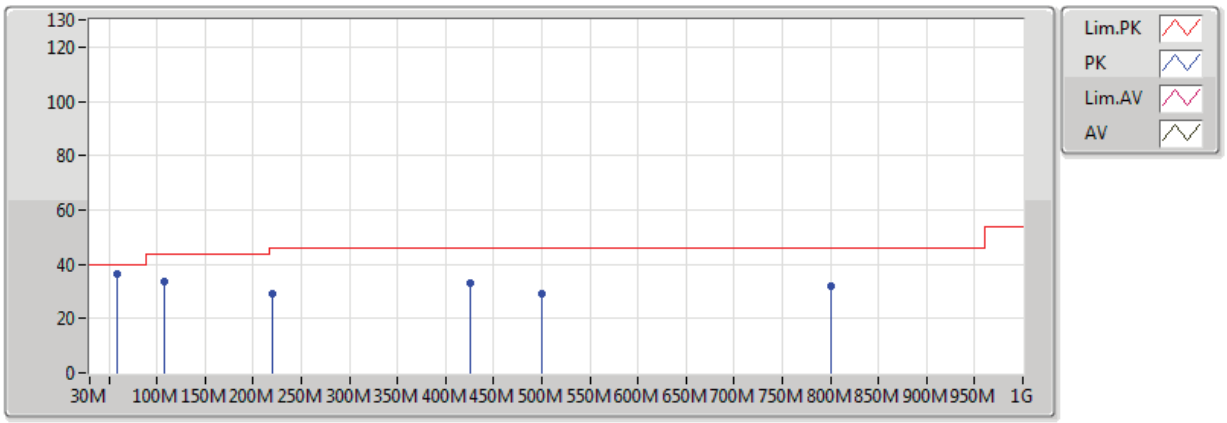
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	59.1M	36.17	40.00	-3.83	-25.56	3	Vertical	360	1.00	-
2437MHz	Pass	PK	107.6M	33.66	43.50	-9.84	-20.25	3	Vertical	360	1.00	-
2437MHz	Pass	PK	220.12M	29.15	46.00	-16.85	-20.90	3	Vertical	360	1.00	-
2437MHz	Pass	PK	425.76M	33.33	46.00	-12.67	-13.16	3	Vertical	360	1.00	-
2437MHz	Pass	PK	499.48M	29.18	46.00	-16.82	-12.10	3	Vertical	360	1.00	-
2437MHz	Pass	PK	800.18M	31.78	46.00	-14.22	-8.13	3	Vertical	360	1.00	-
2437MHz	Pass	PK	105.66M	31.91	43.50	-11.59	-20.46	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	154.16M	31.84	43.50	-11.66	-19.68	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	224M	33.15	46.00	-12.85	-20.46	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	324.88M	33.25	46.00	-12.75	-16.25	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	425.76M	30.39	46.00	-15.61	-13.16	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	800.18M	37.21	46.00	-8.79	-8.13	3	Horizontal	0	1.00	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2437MHz_PoE

30/08/2018

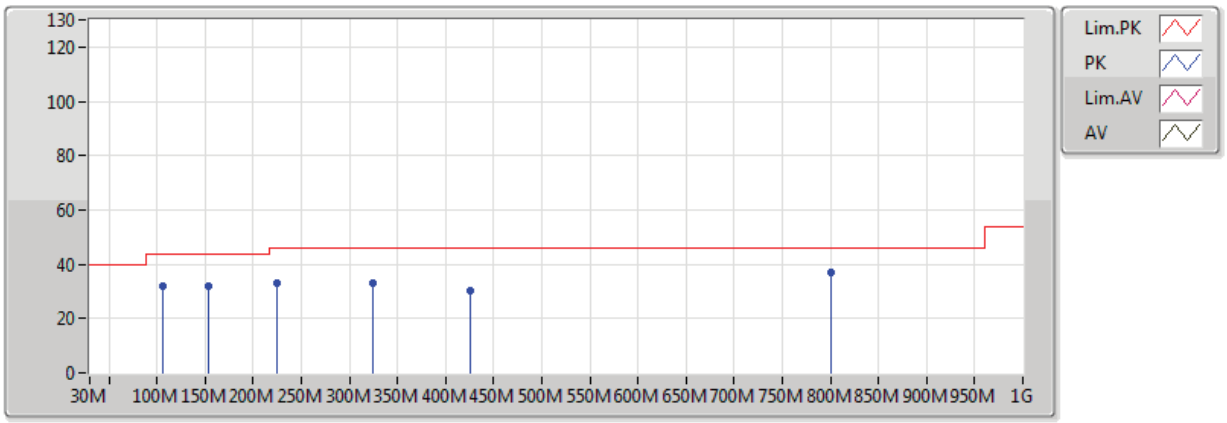


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	59.1M	36.17	40.00	-3.83	-25.56	3	Vertical	360	1.00	-
PK	107.6M	33.66	43.50	-9.84	-20.25	3	Vertical	360	1.00	-
PK	220.12M	29.15	46.00	-16.85	-20.90	3	Vertical	360	1.00	-
PK	425.76M	33.33	46.00	-12.67	-13.16	3	Vertical	360	1.00	-
PK	499.48M	29.18	46.00	-16.82	-12.10	3	Vertical	360	1.00	-
PK	800.18M	31.78	46.00	-14.22	-8.13	3	Vertical	360	1.00	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2437MHz_PoE

30/08/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	105.66M	31.91	43.50	-11.59	-20.46	3	Horizontal	0	1.00	-
PK	154.16M	31.84	43.50	-11.66	-19.68	3	Horizontal	0	1.00	-
PK	224M	33.15	46.00	-12.85	-20.46	3	Horizontal	0	1.00	-
PK	324.88M	33.25	46.00	-12.75	-16.25	3	Horizontal	0	1.00	-
PK	425.76M	30.39	46.00	-15.61	-13.16	3	Horizontal	0	1.00	-
PK	800.18M	37.21	46.00	-8.79	-8.13	3	Horizontal	0	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	AV	2.483502G	53.70	54.00	-0.30	32.61	3	Horizontal	220	2.50	-
802.11g_Nss1,(6Mbps)_4TX	Pass	AV	2.483502G	53.88	54.00	-0.12	32.61	3	Horizontal	215	2.77	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	2.483502G	53.84	54.00	-0.16	32.61	3	Horizontal	222	2.02	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	2.3888G	53.92	54.00	-0.08	32.27	3	Horizontal	222	2.54	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.37	54.00	-0.63	32.28	3	Horizontal	206	2.34	-
2412MHz	Pass	AV	2.4112G	112.81	Inf	-Inf	32.35	3	Horizontal	206	2.34	-
2412MHz	Pass	AV	2.4876G	49.36	54.00	-4.64	32.63	3	Horizontal	206	2.34	-
2412MHz	Pass	PK	2.389998G	64.03	74.00	-9.97	32.28	3	Horizontal	206	2.34	-
2412MHz	Pass	PK	2.4132G	116.83	Inf	-Inf	32.36	3	Horizontal	206	2.34	-
2412MHz	Pass	PK	2.4876G	57.96	74.00	-16.04	32.63	3	Horizontal	206	2.34	-
2412MHz	Pass	AV	4.82406G	44.04	54.00	-9.96	3.03	3	Vertical	140	3.19	-
2412MHz	Pass	PK	4.82406G	49.21	74.00	-24.79	3.03	3	Vertical	140	3.19	-
2412MHz	Pass	AV	4.824G	49.61	54.00	-4.39	3.03	3	Horizontal	144	1.74	-
2412MHz	Pass	PK	4.82406G	52.66	74.00	-21.34	3.03	3	Horizontal	144	1.74	-
2417MHz	Pass	AV	2.3898G	53.66	54.00	-0.34	32.28	3	Horizontal	208	2.36	-
2417MHz	Pass	AV	2.4162G	115.77	Inf	-Inf	32.37	3	Horizontal	208	2.36	-
2417MHz	Pass	AV	2.4926G	50.24	54.00	-3.76	32.64	3	Horizontal	208	2.36	-
2417MHz	Pass	PK	2.3898G	64.93	74.00	-9.07	32.28	3	Horizontal	208	2.36	-
2417MHz	Pass	PK	2.4162G	119.60	Inf	-Inf	32.37	3	Horizontal	208	2.36	-
2417MHz	Pass	PK	2.4926G	59.38	74.00	-14.62	32.64	3	Horizontal	208	2.36	-
2422MHz	Pass	AV	2.3896G	50.44	54.00	-3.56	32.28	3	Horizontal	208	2.36	-
2422MHz	Pass	AV	2.4212G	115.22	Inf	-Inf	32.39	3	Horizontal	208	2.36	-
2422MHz	Pass	AV	2.498G	50.03	54.00	-3.97	32.67	3	Horizontal	208	2.36	-
2422MHz	Pass	PK	2.3892G	62.94	74.00	-11.06	32.27	3	Horizontal	208	2.36	-
2422MHz	Pass	PK	2.4212G	119.11	Inf	-Inf	32.39	3	Horizontal	208	2.36	-
2422MHz	Pass	PK	2.498G	59.25	74.00	-14.75	32.67	3	Horizontal	208	2.36	-
2437MHz	Pass	AV	2.3898G	46.26	54.00	-7.74	32.28	3	Horizontal	207	2.02	-
2437MHz	Pass	AV	2.4362G	114.16	Inf	-Inf	32.44	3	Horizontal	207	2.02	-
2437MHz	Pass	AV	2.4858G	46.13	54.00	-7.87	32.62	3	Horizontal	207	2.02	-
2437MHz	Pass	PK	2.3838G	57.74	74.00	-16.26	32.25	3	Horizontal	207	2.02	-
2437MHz	Pass	PK	2.4362G	118.13	Inf	-Inf	32.44	3	Horizontal	207	2.02	-
2437MHz	Pass	PK	2.4842G	57.87	74.00	-16.13	32.61	3	Horizontal	207	2.02	-
2437MHz	Pass	AV	4.87406G	39.70	54.00	-14.30	3.14	3	Vertical	255	2.39	-
2437MHz	Pass	AV	7.31028G	50.96	54.00	-3.04	9.29	3	Vertical	102	3.14	-
2437MHz	Pass	PK	4.87406G	46.95	74.00	-27.05	3.14	3	Vertical	255	2.39	-
2437MHz	Pass	PK	7.31118G	65.32	74.00	-8.68	9.30	3	Vertical	102	3.14	-
2437MHz	Pass	AV	4.87406G	50.55	54.00	-3.45	3.14	3	Horizontal	19	2.99	-
2437MHz	Pass	AV	7.31034G	53.27	54.00	-0.73	9.29	3	Horizontal	124	1.85	-
2437MHz	Pass	PK	4.87406G	53.82	74.00	-20.18	3.14	3	Horizontal	19	2.99	-
2437MHz	Pass	PK	7.31118G	69.59	74.00	-4.41	9.30	3	Horizontal	124	1.85	-
2457MHz	Pass	AV	2.3786G	46.49	54.00	-7.51	32.23	3	Horizontal	222	2.50	-
2457MHz	Pass	AV	2.4562G	115.14	Inf	-Inf	32.51	3	Horizontal	222	2.50	-
2457MHz	Pass	AV	2.4838G	53.26	54.00	-0.74	32.61	3	Horizontal	222	2.50	-
2457MHz	Pass	PK	2.3762G	57.59	74.00	-16.41	32.22	3	Horizontal	222	2.50	-
2457MHz	Pass	PK	2.4562G	119.00	Inf	-Inf	32.51	3	Horizontal	222	2.50	-
2457MHz	Pass	PK	2.4838G	64.84	74.00	-9.16	32.61	3	Horizontal	222	2.50	-
2462MHz	Pass	AV	2.3836G	47.15	54.00	-6.85	32.25	3	Horizontal	220	2.50	-
2462MHz	Pass	AV	2.4612G	114.10	Inf	-Inf	32.53	3	Horizontal	220	2.50	-
2462MHz	Pass	AV	2.483502G	53.70	54.00	-0.30	32.61	3	Horizontal	220	2.50	-
2462MHz	Pass	PK	2.3804G	58.42	74.00	-15.58	32.24	3	Horizontal	220	2.50	-
2462MHz	Pass	PK	2.4612G	117.95	Inf	-Inf	32.53	3	Horizontal	220	2.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.483502G	66.23	74.00	-7.77	32.61	3	Horizontal	220	2.50	-
2462MHz	Pass	AV	4.92406G	37.97	54.00	-16.03	3.25	3	Vertical	75	2.25	-
2462MHz	Pass	AV	7.38528G	48.02	54.00	-5.98	9.60	3	Vertical	96	3.19	-
2462MHz	Pass	PK	4.92418G	46.15	74.00	-27.85	3.25	3	Vertical	75	2.25	-
2462MHz	Pass	PK	7.38516G	55.99	74.00	-18.01	9.60	3	Vertical	96	3.19	-
2462MHz	Pass	AV	4.92406G	47.91	54.00	-6.09	3.25	3	Horizontal	147	1.68	-
2462MHz	Pass	AV	7.38678G	48.64	54.00	-5.36	9.61	3	Horizontal	126	1.71	-
2462MHz	Pass	PK	4.924G	51.75	74.00	-22.25	3.25	3	Horizontal	147	1.68	-
2462MHz	Pass	PK	7.38612G	58.26	74.00	-15.74	9.60	3	Horizontal	126	1.71	-
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.24	54.00	-0.76	32.28	3	Horizontal	217	2.83	-
2412MHz	Pass	AV	2.4052G	104.75	Inf	-Inf	32.33	3	Horizontal	217	2.83	-
2412MHz	Pass	AV	2.4876G	48.35	54.00	-5.65	32.63	3	Horizontal	217	2.83	-
2412MHz	Pass	PK	2.3872G	72.67	74.00	-1.33	32.26	3	Horizontal	217	2.83	-
2412MHz	Pass	PK	2.4056G	114.97	Inf	-Inf	32.33	3	Horizontal	217	2.83	-
2412MHz	Pass	PK	2.4876G	57.90	74.00	-16.10	32.63	3	Horizontal	217	2.83	-
2412MHz	Pass	AV	4.81458G	30.58	54.00	-23.42	3.01	3	Vertical	334	2.04	-
2412MHz	Pass	PK	4.81068G	45.42	74.00	-28.58	3.00	3	Vertical	334	2.04	-
2412MHz	Pass	AV	4.8255G	34.37	54.00	-19.63	3.04	3	Horizontal	17	1.97	-
2412MHz	Pass	PK	4.82994G	44.69	74.00	-29.31	3.05	3	Horizontal	58	1.97	-
2417MHz	Pass	AV	2.3898G	53.84	54.00	-0.16	32.28	3	Horizontal	220	2.54	-
2417MHz	Pass	AV	2.4102G	105.71	Inf	-Inf	32.35	3	Horizontal	220	2.54	-
2417MHz	Pass	AV	2.4926G	53.69	54.00	-0.31	32.64	3	Horizontal	220	2.54	-
2417MHz	Pass	PK	2.3898G	70.49	74.00	-3.51	32.28	3	Horizontal	220	2.54	-
2417MHz	Pass	PK	2.4102G	115.75	Inf	-Inf	32.35	3	Horizontal	220	2.54	-
2417MHz	Pass	PK	2.493G	60.02	74.00	-13.98	32.64	3	Horizontal	220	2.54	-
2422MHz	Pass	AV	2.389998G	53.57	54.00	-0.43	32.28	3	Horizontal	223	2.51	-
2422MHz	Pass	AV	2.4152G	108.87	Inf	-Inf	32.36	3	Horizontal	223	2.51	-
2422MHz	Pass	AV	2.498G	52.34	54.00	-1.66	32.67	3	Horizontal	223	2.51	-
2422MHz	Pass	PK	2.3884G	71.50	74.00	-2.50	32.27	3	Horizontal	223	2.51	-
2422MHz	Pass	PK	2.416G	118.53	Inf	-Inf	32.37	3	Horizontal	223	2.51	-
2422MHz	Pass	PK	2.498G	59.93	74.00	-14.07	32.67	3	Horizontal	223	2.51	-
2427MHz	Pass	AV	2.3886G	53.73	54.00	-0.27	32.27	3	Horizontal	216	2.78	-
2427MHz	Pass	AV	2.421G	110.46	Inf	-Inf	32.39	3	Horizontal	216	2.78	-
2427MHz	Pass	AV	2.4858G	46.18	54.00	-7.82	32.62	3	Horizontal	216	2.78	-
2427MHz	Pass	PK	2.3874G	71.15	74.00	-2.85	32.26	3	Horizontal	216	2.78	-
2427MHz	Pass	PK	2.4214G	120.24	Inf	-Inf	32.39	3	Horizontal	216	2.78	-
2427MHz	Pass	PK	2.487G	58.80	74.00	-15.20	32.62	3	Horizontal	216	2.78	-
2432MHz	Pass	AV	2.3872G	53.56	54.00	-0.44	32.26	3	Horizontal	218	2.79	-
2432MHz	Pass	AV	2.426G	111.65	Inf	-Inf	32.40	3	Horizontal	218	2.79	-
2432MHz	Pass	AV	2.4856G	49.76	54.00	-4.24	32.62	3	Horizontal	218	2.79	-
2432MHz	Pass	PK	2.3876G	70.50	74.00	-3.50	32.27	3	Horizontal	218	2.79	-
2432MHz	Pass	PK	2.4264G	121.42	Inf	-Inf	32.41	3	Horizontal	218	2.79	-
2432MHz	Pass	PK	2.4844G	67.54	74.00	-6.46	32.61	3	Horizontal	218	2.79	-
2437MHz	Pass	AV	2.3898G	53.84	54.00	-0.16	32.28	3	Horizontal	219	2.54	-
2437MHz	Pass	AV	2.4302G	111.92	Inf	-Inf	32.42	3	Horizontal	219	2.54	-
2437MHz	Pass	AV	2.483502G	52.82	54.00	-1.18	32.61	3	Horizontal	219	2.54	-
2437MHz	Pass	PK	2.3898G	70.93	74.00	-3.07	32.28	3	Horizontal	219	2.54	-
2437MHz	Pass	PK	2.4302G	122.28	Inf	-Inf	32.42	3	Horizontal	219	2.54	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4842G	69.49	74.00	-4.51	32.61	3	Horizontal	219	2.54	-
2437MHz	Pass	AV	4.87382G	37.02	54.00	-16.98	3.14	3	Vertical	93	3.12	-
2437MHz	Pass	AV	7.3082G	47.45	54.00	-6.55	9.28	3	Vertical	96	3.13	-
2437MHz	Pass	PK	4.87448G	50.69	74.00	-23.31	3.14	3	Vertical	93	3.12	-
2437MHz	Pass	PK	7.30812G	69.16	74.00	-4.84	9.28	3	Vertical	96	3.13	-
2437MHz	Pass	AV	4.8758G	39.77	54.00	-14.23	3.15	3	Horizontal	8	1.50	-
2437MHz	Pass	AV	7.30844G	46.78	54.00	-7.22	9.28	3	Horizontal	65	1.50	-
2437MHz	Pass	PK	4.8768G	54.06	74.00	-19.94	3.15	3	Horizontal	8	1.50	-
2437MHz	Pass	PK	7.3078G	69.03	74.00	-4.97	9.28	3	Horizontal	65	1.50	-
2442MHz	Pass	AV	2.388G	50.43	54.00	-3.57	32.27	3	Horizontal	219	2.05	-
2442MHz	Pass	AV	2.4344G	111.97	Inf	-Inf	32.43	3	Horizontal	219	2.05	-
2442MHz	Pass	AV	2.483502G	53.83	54.00	-0.17	32.61	3	Horizontal	219	2.05	-
2442MHz	Pass	PK	2.3892G	68.06	74.00	-5.94	32.27	3	Horizontal	219	2.05	-
2442MHz	Pass	PK	2.4352G	121.96	Inf	-Inf	32.44	3	Horizontal	219	2.05	-
2442MHz	Pass	PK	2.4888G	69.30	74.00	-4.70	32.63	3	Horizontal	219	2.05	-
2447MHz	Pass	AV	2.3898G	45.60	54.00	-8.40	32.28	3	Horizontal	216	3.02	-
2447MHz	Pass	AV	2.441G	109.43	Inf	-Inf	32.46	3	Horizontal	216	3.02	-
2447MHz	Pass	AV	2.483502G	53.41	54.00	-0.59	32.61	3	Horizontal	216	3.02	-
2447MHz	Pass	PK	2.3894G	58.04	74.00	-15.96	32.27	3	Horizontal	216	3.02	-
2447MHz	Pass	PK	2.4414G	119.30	Inf	-Inf	32.46	3	Horizontal	216	3.02	-
2447MHz	Pass	PK	2.483502G	70.37	74.00	-3.63	32.61	3	Horizontal	216	3.02	-
2452MHz	Pass	AV	2.3896G	45.19	54.00	-8.81	32.28	3	Horizontal	214	3.03	-
2452MHz	Pass	AV	2.446G	109.30	Inf	-Inf	32.48	3	Horizontal	214	3.03	-
2452MHz	Pass	AV	2.4868G	53.66	54.00	-0.34	32.62	3	Horizontal	214	3.03	-
2452MHz	Pass	PK	2.3888G	56.90	74.00	-17.10	32.27	3	Horizontal	214	3.03	-
2452MHz	Pass	PK	2.4464G	119.13	Inf	-Inf	32.48	3	Horizontal	214	3.03	-
2452MHz	Pass	PK	2.4892G	73.12	74.00	-0.88	32.63	3	Horizontal	214	3.03	-
2457MHz	Pass	AV	2.3878G	44.75	54.00	-9.25	32.27	3	Horizontal	216	3.03	-
2457MHz	Pass	AV	2.451G	107.34	Inf	-Inf	32.49	3	Horizontal	216	3.03	-
2457MHz	Pass	AV	2.485G	53.32	54.00	-0.68	32.61	3	Horizontal	216	3.03	-
2457MHz	Pass	PK	2.3866G	56.62	74.00	-17.38	32.26	3	Horizontal	216	3.03	-
2457MHz	Pass	PK	2.4514G	117.12	Inf	-Inf	32.50	3	Horizontal	216	3.03	-
2457MHz	Pass	PK	2.4854G	71.20	74.00	-2.80	32.61	3	Horizontal	216	3.03	-
2462MHz	Pass	AV	2.3896G	44.88	54.00	-9.12	32.28	3	Horizontal	215	2.77	-
2462MHz	Pass	AV	2.456G	105.96	Inf	-Inf	32.51	3	Horizontal	215	2.77	-
2462MHz	Pass	AV	2.483502G	53.88	54.00	-0.12	32.61	3	Horizontal	215	2.77	-
2462MHz	Pass	PK	2.3832G	56.46	74.00	-17.54	32.25	3	Horizontal	215	2.77	-
2462MHz	Pass	PK	2.4556G	115.62	Inf	-Inf	32.51	3	Horizontal	215	2.77	-
2462MHz	Pass	PK	2.483502G	69.98	74.00	-4.02	32.61	3	Horizontal	215	2.77	-
2462MHz	Pass	AV	4.92512G	31.04	54.00	-22.96	3.25	3	Vertical	100	2.55	-
2462MHz	Pass	PK	4.922G	44.97	74.00	-29.03	3.25	3	Vertical	100	2.55	-
2462MHz	Pass	AV	4.92296G	33.12	54.00	-20.88	3.25	3	Horizontal	8	1.50	-
2462MHz	Pass	PK	4.92328G	47.14	74.00	-26.86	3.25	3	Horizontal	8	1.50	-
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3884G	53.80	54.00	-0.20	32.27	3	Horizontal	219	2.32	-
2412MHz	Pass	AV	2.4088G	102.84	Inf	-Inf	32.34	3	Horizontal	219	2.32	-
2412MHz	Pass	AV	2.4876G	46.65	54.00	-7.35	32.63	3	Horizontal	219	2.32	-
2412MHz	Pass	PK	2.3884G	71.15	74.00	-2.85	32.27	3	Horizontal	219	2.32	-
2412MHz	Pass	PK	2.4132G	113.13	Inf	-Inf	32.36	3	Horizontal	219	2.32	-

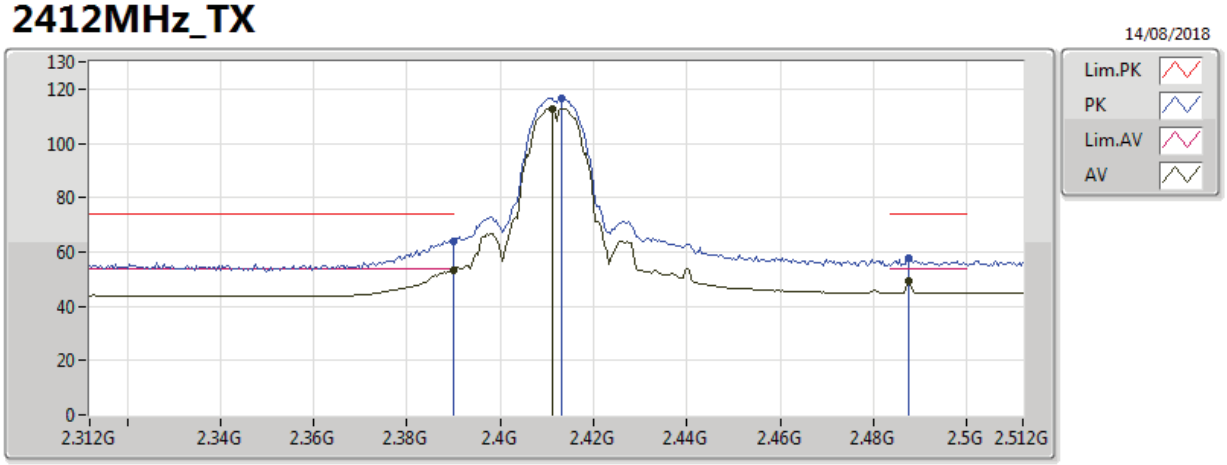
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.4868G	56.67	74.00	-17.33	32.62	3	Horizontal	219	2.32	-
2412MHz	Pass	AV	4.92208G	31.07	54.00	-22.93	3.25	3	Vertical	176	2.50	-
2412MHz	Pass	PK	4.932G	45.22	74.00	-28.78	3.27	3	Vertical	176	2.50	-
2412MHz	Pass	AV	4.926G	31.04	54.00	-22.96	3.25	3	Horizontal	265	2.85	-
2412MHz	Pass	PK	4.92344G	44.58	74.00	-29.42	3.25	3	Horizontal	265	2.85	-
2417MHz	Pass	AV	2.389G	53.70	54.00	-0.30	32.27	3	Horizontal	222	2.77	-
2417MHz	Pass	AV	2.4186G	104.93	Inf	-Inf	32.38	3	Horizontal	222	2.77	-
2417MHz	Pass	AV	2.4926G	48.29	54.00	-5.71	32.64	3	Horizontal	222	2.77	-
2417MHz	Pass	PK	2.3894G	71.72	74.00	-2.28	32.27	3	Horizontal	222	2.77	-
2417MHz	Pass	PK	2.419G	115.20	Inf	-Inf	32.38	3	Horizontal	222	2.77	-
2417MHz	Pass	PK	2.4906G	57.97	74.00	-16.03	32.64	3	Horizontal	222	2.77	-
2422MHz	Pass	AV	2.389998G	53.25	54.00	-0.75	32.28	3	Horizontal	223	2.79	-
2422MHz	Pass	AV	2.4188G	106.15	Inf	-Inf	32.38	3	Horizontal	223	2.79	-
2422MHz	Pass	AV	2.498G	51.30	54.00	-2.70	32.67	3	Horizontal	223	2.79	-
2422MHz	Pass	PK	2.3884G	70.63	74.00	-3.37	32.27	3	Horizontal	223	2.79	-
2422MHz	Pass	PK	2.4168G	116.90	Inf	-Inf	32.37	3	Horizontal	223	2.79	-
2422MHz	Pass	PK	2.498G	59.05	74.00	-14.95	32.67	3	Horizontal	223	2.79	-
2427MHz	Pass	AV	2.3878G	53.35	54.00	-0.65	32.27	3	Horizontal	225	1.41	-
2427MHz	Pass	AV	2.423G	107.87	Inf	-Inf	32.39	3	Horizontal	225	1.41	-
2427MHz	Pass	AV	2.485G	45.45	54.00	-8.55	32.61	3	Horizontal	225	1.41	-
2427MHz	Pass	PK	2.3878G	72.52	74.00	-1.48	32.27	3	Horizontal	225	1.41	-
2427MHz	Pass	PK	2.4226G	118.75	Inf	-Inf	32.39	3	Horizontal	225	1.41	-
2427MHz	Pass	PK	2.4846G	61.08	74.00	-12.92	32.61	3	Horizontal	225	1.41	-
2432MHz	Pass	AV	2.3864G	53.55	54.00	-0.45	32.26	3	Horizontal	223	1.64	-
2432MHz	Pass	AV	2.4332G	109.74	Inf	-Inf	32.43	3	Horizontal	223	1.64	-
2432MHz	Pass	AV	2.483502G	48.93	54.00	-5.07	32.61	3	Horizontal	223	1.64	-
2432MHz	Pass	PK	2.3864G	73.29	74.00	-0.71	32.26	3	Horizontal	223	1.64	-
2432MHz	Pass	PK	2.4332G	119.82	Inf	-Inf	32.43	3	Horizontal	223	1.64	-
2432MHz	Pass	PK	2.483502G	64.87	74.00	-9.13	32.61	3	Horizontal	223	1.64	-
2437MHz	Pass	AV	2.3886G	53.35	54.00	-0.65	32.27	3	Horizontal	219	2.55	-
2437MHz	Pass	AV	2.4338G	110.02	Inf	-Inf	32.43	3	Horizontal	219	2.55	-
2437MHz	Pass	AV	2.483502G	53.32	54.00	-0.68	32.61	3	Horizontal	219	2.55	-
2437MHz	Pass	PK	2.3886G	69.68	74.00	-4.32	32.27	3	Horizontal	219	2.55	-
2437MHz	Pass	PK	2.429G	120.27	Inf	-Inf	32.41	3	Horizontal	219	2.55	-
2437MHz	Pass	PK	2.4858G	69.54	74.00	-4.46	32.62	3	Horizontal	219	2.55	-
2437MHz	Pass	AV	4.87484G	36.41	54.00	-17.59	3.14	3	Vertical	68	3.12	-
2437MHz	Pass	AV	7.31028G	46.76	54.00	-7.24	9.29	3	Vertical	100	3.14	-
2437MHz	Pass	PK	4.8746G	50.46	74.00	-23.54	3.14	3	Vertical	68	3.12	-
2437MHz	Pass	PK	7.308G	68.83	74.00	-5.17	9.28	3	Vertical	100	3.14	-
2437MHz	Pass	AV	4.8746G	40.54	54.00	-13.46	3.14	3	Horizontal	28	3.16	-
2437MHz	Pass	AV	7.31202G	46.17	54.00	-7.83	9.30	3	Horizontal	66	2.26	-
2437MHz	Pass	PK	4.8743G	55.68	74.00	-18.32	3.14	3	Horizontal	28	3.16	-
2437MHz	Pass	PK	7.31496G	67.11	74.00	-6.89	9.31	3	Horizontal	66	2.26	-
2442MHz	Pass	AV	2.3888G	48.78	54.00	-5.22	32.27	3	Horizontal	222	1.64	-
2442MHz	Pass	AV	2.4432G	109.84	Inf	-Inf	32.47	3	Horizontal	222	1.64	-
2442MHz	Pass	AV	2.483502G	53.48	54.00	-0.52	32.61	3	Horizontal	222	1.64	-
2442MHz	Pass	PK	2.3876G	67.12	74.00	-6.88	32.27	3	Horizontal	222	1.64	-
2442MHz	Pass	PK	2.4432G	120.24	Inf	-Inf	32.47	3	Horizontal	222	1.64	-
2442MHz	Pass	PK	2.4876G	69.02	74.00	-4.98	32.63	3	Horizontal	222	1.64	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2447MHz	Pass	AV	2.3886G	46.08	54.00	-7.92	32.27	3	Horizontal	222	2.03	-
2447MHz	Pass	AV	2.4434G	108.45	Inf	-Inf	32.47	3	Horizontal	222	2.03	-
2447MHz	Pass	AV	2.483502G	53.52	54.00	-0.48	32.61	3	Horizontal	222	2.03	-
2447MHz	Pass	PK	2.3866G	60.99	74.00	-13.01	32.26	3	Horizontal	222	2.03	-
2447MHz	Pass	PK	2.4434G	119.14	Inf	-Inf	32.47	3	Horizontal	222	2.03	-
2447MHz	Pass	PK	2.4854G	70.76	74.00	-3.24	32.61	3	Horizontal	222	2.03	-
2452MHz	Pass	AV	2.389998G	45.15	54.00	-8.85	32.28	3	Horizontal	222	2.02	-
2452MHz	Pass	AV	2.4536G	106.74	Inf	-Inf	32.50	3	Horizontal	222	2.02	-
2452MHz	Pass	AV	2.483502G	53.84	54.00	-0.16	32.61	3	Horizontal	222	2.02	-
2452MHz	Pass	PK	2.3836G	57.16	74.00	-16.84	32.25	3	Horizontal	222	2.02	-
2452MHz	Pass	PK	2.4444G	116.87	Inf	-Inf	32.47	3	Horizontal	222	2.02	-
2452MHz	Pass	PK	2.483502G	71.66	74.00	-2.34	32.61	3	Horizontal	222	2.02	-
2457MHz	Pass	AV	2.3882G	44.65	54.00	-9.35	32.27	3	Horizontal	223	2.02	-
2457MHz	Pass	AV	2.4534G	105.05	Inf	-Inf	32.50	3	Horizontal	223	2.02	-
2457MHz	Pass	AV	2.483502G	53.67	54.00	-0.33	32.61	3	Horizontal	223	2.02	-
2457MHz	Pass	PK	2.3874G	56.63	74.00	-17.37	32.26	3	Horizontal	223	2.02	-
2457MHz	Pass	PK	2.4494G	115.42	Inf	-Inf	32.49	3	Horizontal	223	2.02	-
2457MHz	Pass	PK	2.4838G	70.04	74.00	-3.96	32.61	3	Horizontal	223	2.02	-
2462MHz	Pass	AV	2.3868G	44.57	54.00	-9.43	32.26	3	Horizontal	221	2.22	-
2462MHz	Pass	AV	2.4588G	103.53	Inf	-Inf	32.52	3	Horizontal	221	2.22	-
2462MHz	Pass	AV	2.483502G	53.58	54.00	-0.42	32.61	3	Horizontal	221	2.22	-
2462MHz	Pass	PK	2.3888G	56.07	74.00	-17.93	32.27	3	Horizontal	221	2.22	-
2462MHz	Pass	PK	2.4548G	113.82	Inf	-Inf	32.51	3	Horizontal	221	2.22	-
2462MHz	Pass	PK	2.483502G	71.95	74.00	-2.05	32.61	3	Horizontal	221	2.22	-
2462MHz	Pass	AV	4.91554G	30.95	54.00	-23.05	3.23	3	Vertical	360	2.51	-
2462MHz	Pass	PK	4.92772G	45.24	74.00	-28.76	3.26	3	Vertical	360	2.51	-
2462MHz	Pass	AV	4.92286G	32.04	54.00	-21.96	3.25	3	Horizontal	12	3.01	-
2462MHz	Pass	PK	4.9228G	45.75	74.00	-28.25	3.25	3	Horizontal	12	3.01	-
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3864G	53.74	54.00	-0.26	32.26	3	Horizontal	221	1.50	-
2422MHz	Pass	AV	2.4284G	96.80	Inf	-Inf	32.41	3	Horizontal	221	1.50	-
2422MHz	Pass	AV	2.4852G	45.28	54.00	-8.72	32.61	3	Horizontal	221	1.50	-
2422MHz	Pass	PK	2.3812G	66.67	74.00	-7.33	32.24	3	Horizontal	221	1.50	-
2422MHz	Pass	PK	2.4184G	108.02	Inf	-Inf	32.38	3	Horizontal	221	1.50	-
2422MHz	Pass	PK	2.4932G	56.81	74.00	-17.19	32.64	3	Horizontal	221	1.50	-
2422MHz	Pass	AV	4.85586G	30.78	54.00	-23.22	3.11	3	Vertical	185	2.99	-
2422MHz	Pass	PK	4.8515G	43.98	74.00	-30.02	3.09	3	Vertical	185	2.99	-
2422MHz	Pass	AV	4.85282G	31.35	54.00	-22.65	3.10	3	Horizontal	5	3.07	-
2422MHz	Pass	PK	4.85276G	44.69	74.00	-29.31	3.10	3	Horizontal	5	3.07	-
2427MHz	Pass	AV	2.3882G	53.68	54.00	-0.32	32.27	3	Horizontal	217	1.50	-
2427MHz	Pass	AV	2.4234G	97.43	Inf	-Inf	32.39	3	Horizontal	217	1.50	-
2427MHz	Pass	AV	2.483502G	45.51	54.00	-8.49	32.61	3	Horizontal	217	1.50	-
2427MHz	Pass	PK	2.3882G	67.98	74.00	-6.02	32.27	3	Horizontal	217	1.50	-
2427MHz	Pass	PK	2.4134G	108.97	Inf	-Inf	32.36	3	Horizontal	217	1.50	-
2427MHz	Pass	PK	2.4926G	57.74	74.00	-16.26	32.64	3	Horizontal	217	1.50	-
2432MHz	Pass	AV	2.3888G	53.92	54.00	-0.08	32.27	3	Horizontal	222	2.54	-
2432MHz	Pass	AV	2.4236G	99.03	Inf	-Inf	32.39	3	Horizontal	222	2.54	-
2432MHz	Pass	AV	2.483502G	47.55	54.00	-6.45	32.61	3	Horizontal	222	2.54	-
2432MHz	Pass	PK	2.3888G	68.48	74.00	-5.52	32.27	3	Horizontal	222	2.54	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2432MHz	Pass	PK	2.4288G	110.38	Inf	-Inf	32.41	3	Horizontal	222	2.54	-
2432MHz	Pass	PK	2.484G	63.90	74.00	-10.10	32.61	3	Horizontal	222	2.54	-
2437MHz	Pass	AV	2.3862G	53.71	54.00	-0.29	32.26	3	Horizontal	220	1.83	-
2437MHz	Pass	AV	2.423G	100.74	Inf	-Inf	32.39	3	Horizontal	220	1.83	-
2437MHz	Pass	AV	2.483502G	53.92	54.00	-0.08	32.61	3	Horizontal	220	1.83	-
2437MHz	Pass	PK	2.3814G	68.95	74.00	-5.05	32.25	3	Horizontal	220	1.83	-
2437MHz	Pass	PK	2.423G	112.16	Inf	-Inf	32.39	3	Horizontal	220	1.83	-
2437MHz	Pass	PK	2.483502G	70.91	74.00	-3.09	32.61	3	Horizontal	220	1.83	-
2437MHz	Pass	AV	4.87292G	30.98	54.00	-23.02	3.14	3	Vertical	139	3.09	-
2437MHz	Pass	PK	4.87814G	45.44	74.00	-28.56	3.15	3	Vertical	139	3.09	-
2437MHz	Pass	AV	4.86278G	32.55	54.00	-21.45	3.12	3	Horizontal	11	3.19	-
2437MHz	Pass	PK	4.87286G	46.61	74.00	-27.39	3.14	3	Horizontal	11	3.19	-
2442MHz	Pass	AV	2.388G	53.40	54.00	-0.60	32.27	3	Horizontal	220	1.50	-
2442MHz	Pass	AV	2.428G	100.86	Inf	-Inf	32.41	3	Horizontal	220	1.50	-
2442MHz	Pass	AV	2.483502G	53.65	54.00	-0.35	32.61	3	Horizontal	220	1.50	-
2442MHz	Pass	PK	2.388G	68.35	74.00	-5.65	32.27	3	Horizontal	220	1.50	-
2442MHz	Pass	PK	2.4276G	112.78	Inf	-Inf	32.41	3	Horizontal	220	1.50	-
2442MHz	Pass	PK	2.483502G	73.66	74.00	-0.34	32.61	3	Horizontal	220	1.50	-
2447MHz	Pass	AV	2.3878G	50.17	54.00	-3.83	32.27	3	Horizontal	220	1.49	-
2447MHz	Pass	AV	2.433G	100.72	Inf	-Inf	32.43	3	Horizontal	220	1.49	-
2447MHz	Pass	AV	2.483502G	53.68	54.00	-0.32	32.61	3	Horizontal	220	1.49	-
2447MHz	Pass	PK	2.3898G	66.93	74.00	-7.07	32.28	3	Horizontal	220	1.49	-
2447MHz	Pass	PK	2.4326G	111.93	Inf	-Inf	32.43	3	Horizontal	220	1.49	-
2447MHz	Pass	PK	2.4838G	73.71	74.00	-0.29	32.61	3	Horizontal	220	1.49	-
2452MHz	Pass	AV	2.3884G	47.29	54.00	-6.71	32.27	3	Horizontal	219	2.03	-
2452MHz	Pass	AV	2.4584G	99.17	Inf	-Inf	32.52	3	Horizontal	219	2.03	-
2452MHz	Pass	AV	2.483502G	53.31	54.00	-0.69	32.61	3	Horizontal	219	2.03	-
2452MHz	Pass	PK	2.3884G	61.20	74.00	-12.80	32.27	3	Horizontal	219	2.03	-
2452MHz	Pass	PK	2.4432G	110.03	Inf	-Inf	32.47	3	Horizontal	219	2.03	-
2452MHz	Pass	PK	2.4884G	69.02	74.00	-4.98	32.63	3	Horizontal	219	2.03	-
2452MHz	Pass	AV	4.9154G	30.62	54.00	-23.38	3.23	3	Vertical	360	2.74	-
2452MHz	Pass	PK	4.91816G	44.18	74.00	-29.82	3.24	3	Vertical	360	2.74	-
2452MHz	Pass	AV	4.90448G	31.70	54.00	-22.30	3.21	3	Horizontal	12	1.79	-
2452MHz	Pass	PK	4.90982G	44.56	74.00	-29.44	3.22	3	Horizontal	12	1.79	-

802.11b_Nss1,(1Mbps)_4TX

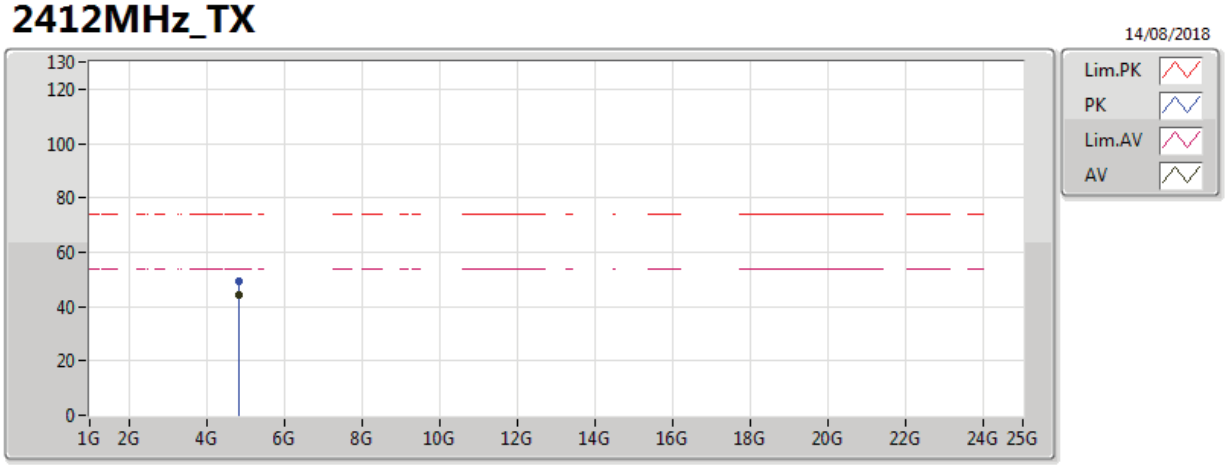
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.37	54.00	-0.63	32.28	3	Horizontal	206	2.34	-
AV	2.4112G	112.81	Inf	-Inf	32.35	3	Horizontal	206	2.34	-
AV	2.4876G	49.36	54.00	-4.64	32.63	3	Horizontal	206	2.34	-
PK	2.389998G	64.03	74.00	-9.97	32.28	3	Horizontal	206	2.34	-
PK	2.4132G	116.83	Inf	-Inf	32.36	3	Horizontal	206	2.34	-
PK	2.4876G	57.96	74.00	-16.04	32.63	3	Horizontal	206	2.34	-

802.11b_Nss1,(1Mbps)_4TX

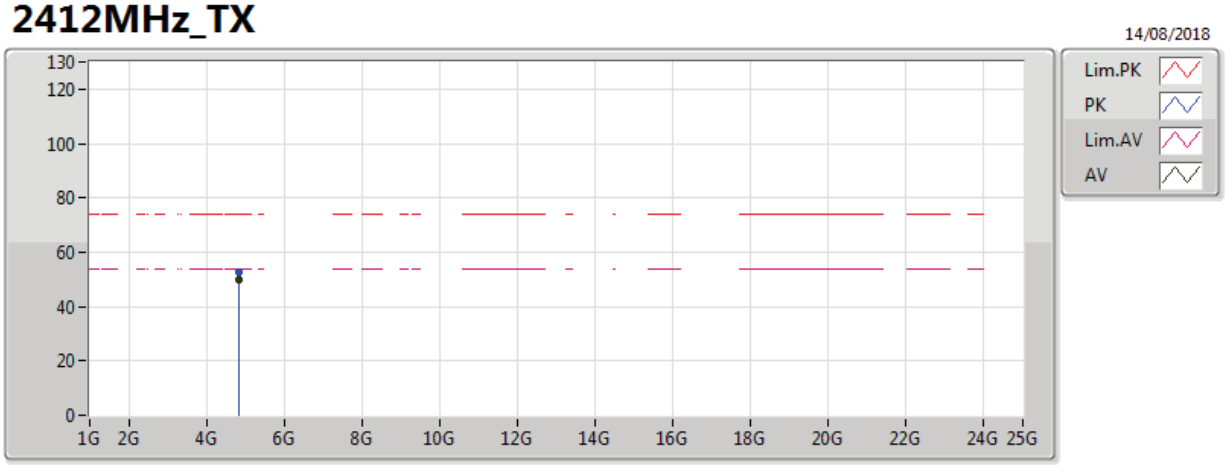
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82406G	44.04	54.00	-9.96	3.03	3	Vertical	140	3.19	-
PK	4.82406G	49.21	74.00	-24.79	3.03	3	Vertical	140	3.19	-

802.11b_Nss1,(1Mbps)_4TX

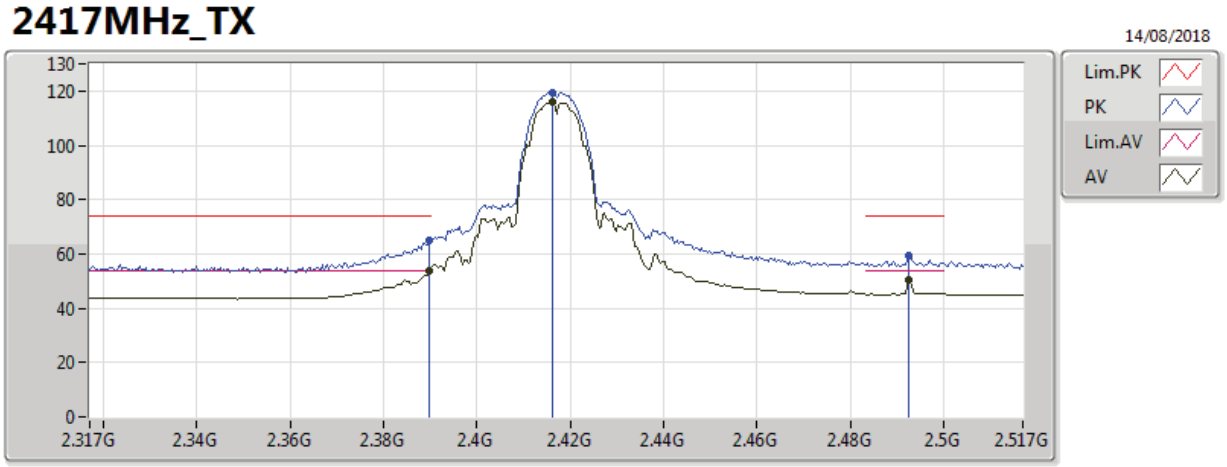
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	49.61	54.00	-4.39	3.03	3	Horizontal	144	1.74	-
PK	4.82406G	52.66	74.00	-21.34	3.03	3	Horizontal	144	1.74	-

802.11b_Nss1,(1Mbps)_4TX

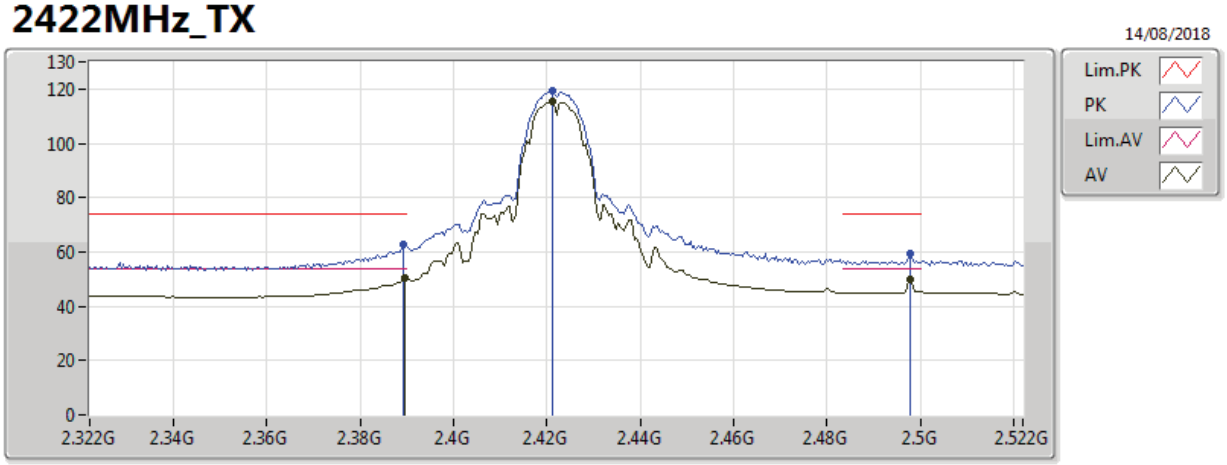
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.66	54.00	-0.34	32.28	3	Horizontal	208	2.36	-
AV	2.4162G	115.77	Inf	-Inf	32.37	3	Horizontal	208	2.36	-
AV	2.4926G	50.24	54.00	-3.76	32.64	3	Horizontal	208	2.36	-
PK	2.3898G	64.93	74.00	-9.07	32.28	3	Horizontal	208	2.36	-
PK	2.4162G	119.60	Inf	-Inf	32.37	3	Horizontal	208	2.36	-
PK	2.4926G	59.38	74.00	-14.62	32.64	3	Horizontal	208	2.36	-

802.11b_Nss1,(1Mbps)_4TX

2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	50.44	54.00	-3.56	32.28	3	Horizontal	208	2.36	-
AV	2.4212G	115.22	Inf	-Inf	32.39	3	Horizontal	208	2.36	-
AV	2.498G	50.03	54.00	-3.97	32.67	3	Horizontal	208	2.36	-
PK	2.3892G	62.94	74.00	-11.06	32.27	3	Horizontal	208	2.36	-
PK	2.4212G	119.11	Inf	-Inf	32.39	3	Horizontal	208	2.36	-
PK	2.498G	59.25	74.00	-14.75	32.67	3	Horizontal	208	2.36	-