Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	:	2AHKM-CODA5519
Equipment	:	DOCSIS 3.1 Wi-Fi 6 EMTA Gateway
Brand Name	:	hitron
Model Name	:	CODA-5519, CODA-5512, CODA-5719, CODA-5712, CODA-5610
Applicant	:	Hitron Technologies Inc. No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park, Hsinchu 30078, Taiwan
Manufacturer	:	Hitron Technologies Inc. No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park, Hsinchu 30078, Taiwan
Standard	:	47 CFR FCC Part 15.247

The product was received on Nov. 28, 2019, and testing was started from Nov. 28, 2019 and completed on Mar. 03, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR020705AA	01	Initial issue of report	Apr. 20, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Cliff Chang
Report Producer: Vicky Huang

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), ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
						2.4GHz	5GHz B1	5GHz B4
1	3	WIESON	GY196HC112-011	PCB Antenna	MHF	2.8	2.6	3
2	2	WIESON	GY196HC112-012	PCB Antenna	MHF	2.8	2.6	3
3	1	WIESON	GY196HC112-013	PCB Antenna	MHF	2.8	2.6	3
4	4	WIESON	GY196HC112-014	PCB Antenna	MHF	2.8	2.6	3

Note: The above information was declared by manufacturer.

For 2.4GHz function:
For IEEE 802.11b mode (1TX/1RX)
The EUT supports the antenna with TX and RX diversity functions.
Port 1, Port 2, Port 3 and Port 4 support transmit and receive functions, but only one of them will be used at one time.

For IEEE 802.11g/n/ax mode (4TX/4RX)
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For 5GHz function:
For IEEE 802.11a/n/ac/ax mode (4TX/4RX)
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 802.11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	v610.23			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
hitron	CODA-5519	All the models are identical, the difference model served as marketing strategy.
	CODA-5719	
	CODA-5610	
	CODA-5712	
	CODA-5512	

From the above models, model: CODA-5519 was selected as representative model for the test and its data was recorded in this report.

1.2 Applicable 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
- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Owen Hsu	22.9~24.8°C / 59~63%	Nov. 28, 2019~ Mar. 03, 2020
Radiated (Below 1GHz)	03CH05-CB	Cola Fan	20~21.3°C / 58~63%	Feb. 28, 2020
Radiated (Above 1GHz)	03CH04-CB	Welson Chen	22.6~23.7°C / 59~64%	Nov. 29, 2019~ Mar. 02, 2020
AC Conduction	CO01-CB	Max Lin	22~23°C / 59~60%	Mar. 03, 2020

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086D with Industry Canada.

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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	68
2437MHz	63
2462MHz	63
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	59
2437MHz	65
2462MHz	69
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	65
2437MHz	62
2462MHz	63
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	63
2437MHz	66
2462MHz	67
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	46
2417MHz	66
2437MHz	70
2457MHz	68
2462MHz	48
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	57
2417MHz	61
2437MHz	67
2457MHz	59
2462MHz	58
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	54
2437MHz	57
2452MHz	55

2.2 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	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
For operating mode 1 is the worst case and it was record in this test report.	

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	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	Place EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA020705 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**DC Power Line**
Adapter 1	APD	DA-60Y12	Input: 100-240V~50-60Hz, 1.5A Max. Output: 12V, 5A	Non-Shielded, 1.2m
Adapter 2	Frecom	F60X-120450SPA	Input: 100-240~50/60Hz 1.6A Output: 12V, 4.5A	Non-Shielded, 1.5m
Others				
AC Power Cord*1, Non-Shielded, 1.2m				
RJ-45 cable*1,Non-Shielded 1.5m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.5G LAN PC	DELL	T3400	N/A
B	LAN NB	DELL	E6430	N/A
C	Phone	SAMPO	HT-B 907WL	N/A
D	Phone	SAMPO	HT-B 907WL	N/A
E	CO (Terminal System)	Jinghong	D3 CMTS JH-HE3416B	N/A
F	Flash disk3.0	Transcend	C55210 2808	N/A
G	2.4G NB	DELL	E6430	N/A
H	5G NB	DELL	E6430	N/A
I	Splitter	N/A	N/A	N/A

For Radiated (below 1GHz):

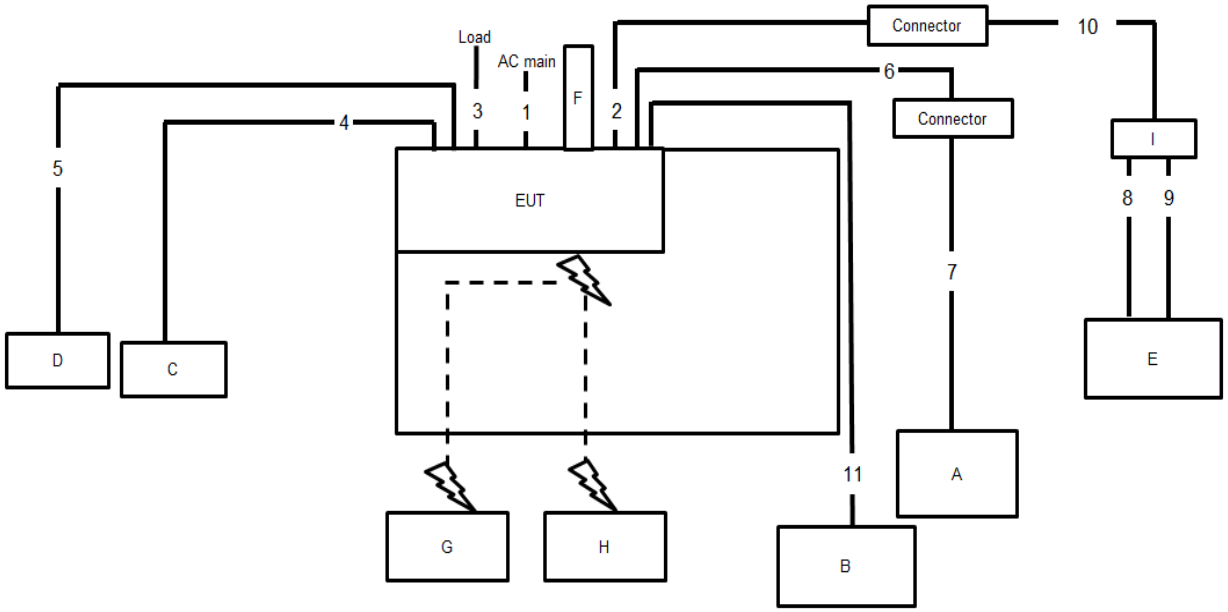
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PC	DELL	T3400	N/A
B	NB	DELL	E4300	N/A
C	NB	DELL	E4300	N/A
D	Flash disk3.0	Transcend	C55210 2808	N/A
E	Phone	PHILIPS	M20	N/A
F	Phone	PHILIPS	M20	N/A
G	Splitter	N/A	N/A	N/A
H	CO (Terminal System)	Jinghong	D3 CMTS JH-HE3416B	N/A
I	NB	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

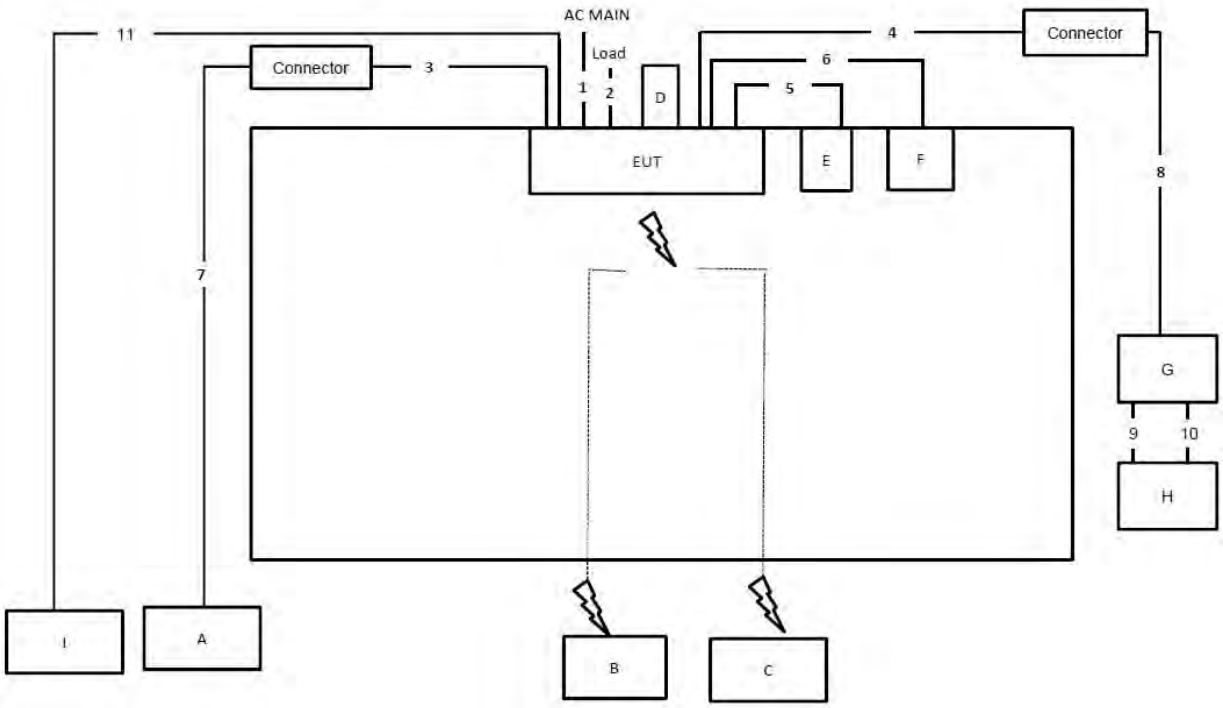
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



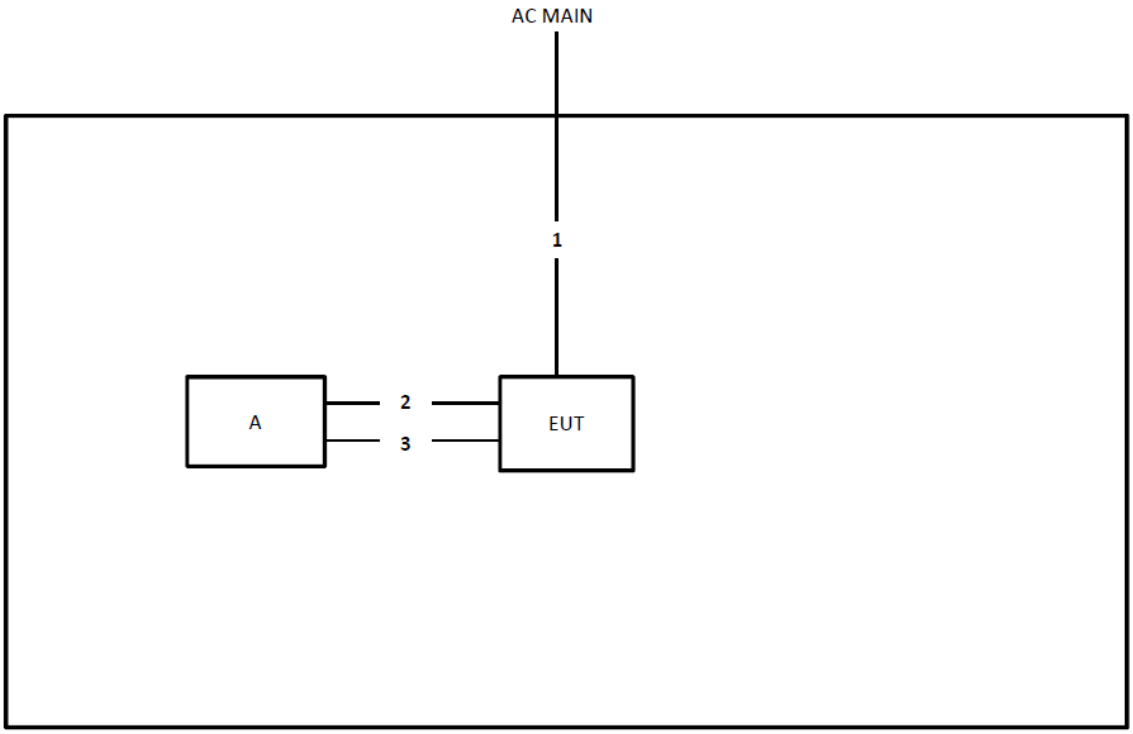
Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	Coaxial cable	Yes	3m
3	RJ-45 cable	No	1.5m
4	RJ-11 cable	No	10m
5	RJ-11 cable	No	10m
6	RJ-45 cable	No	1.5m
7	RJ-45 cable	No	10m
8	Coaxial cable	Yes	1m
9	Coaxial cable	Yes	1m
10	Coaxial cable	Yes	1.7m
11	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	1.5m
4	Coaxial cable	Yes	10m
5	RJ-11 cable	No	1.5m
6	RJ-11 cable	No	1.5m
7	RJ-45 cable	No	10m
8	Coaxial cable	Yes	1.7m
9	Coaxial cable	Yes	1m
10	Coaxial cable	Yes	1.1m
11	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	Console cable	Yes	1m
3	RJ-45 cable	No	1m

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

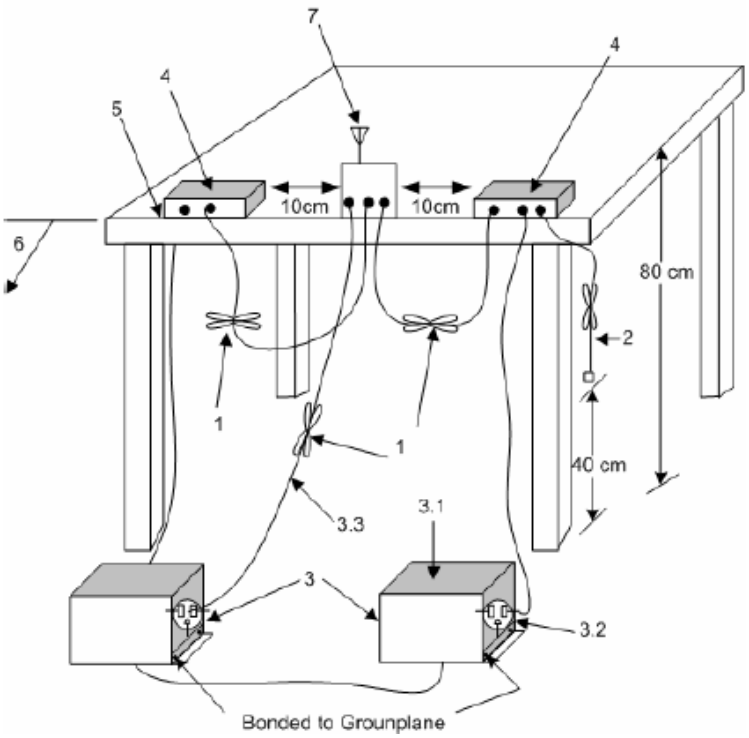
Refer a test equipment and calibration data table in this test report.

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



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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.

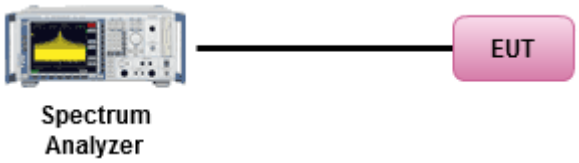
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 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
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

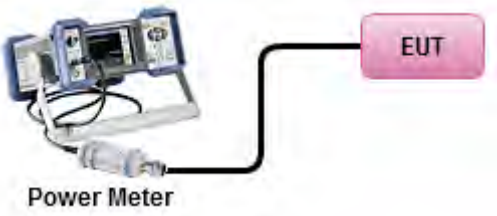
3.3.2 Measuring Instruments

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 FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC 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

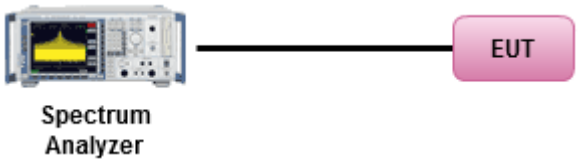
3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

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 (dBc)**
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.	

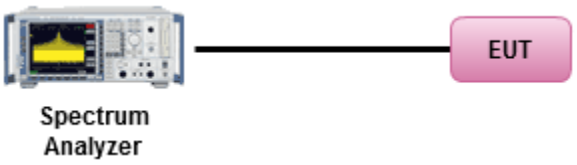
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted 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.

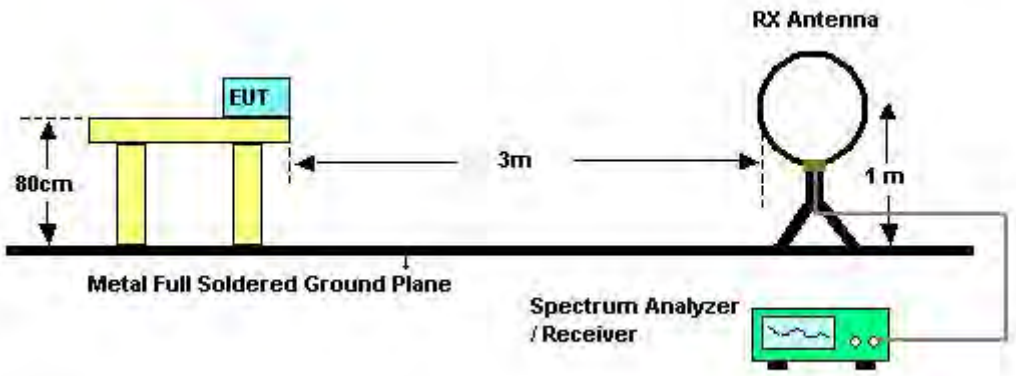
3.6.3 Test Procedures

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 FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.	
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).	
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB	
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.	

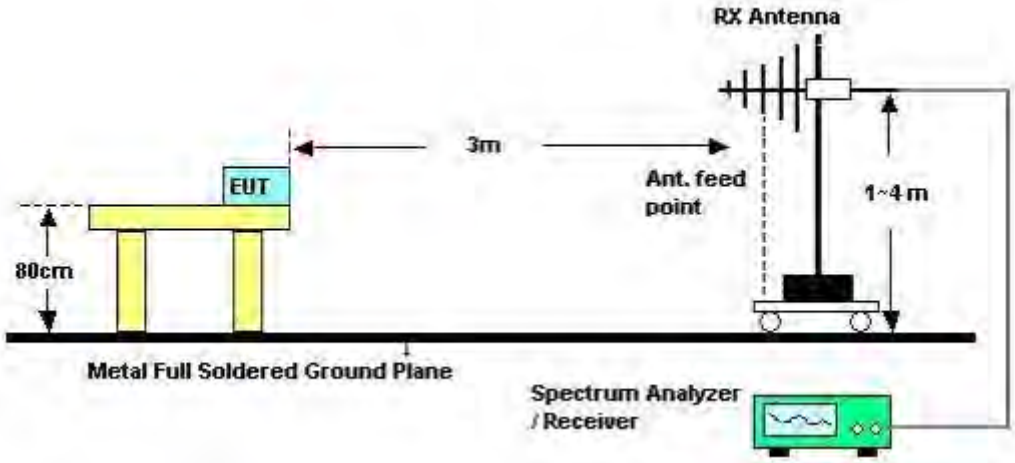
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

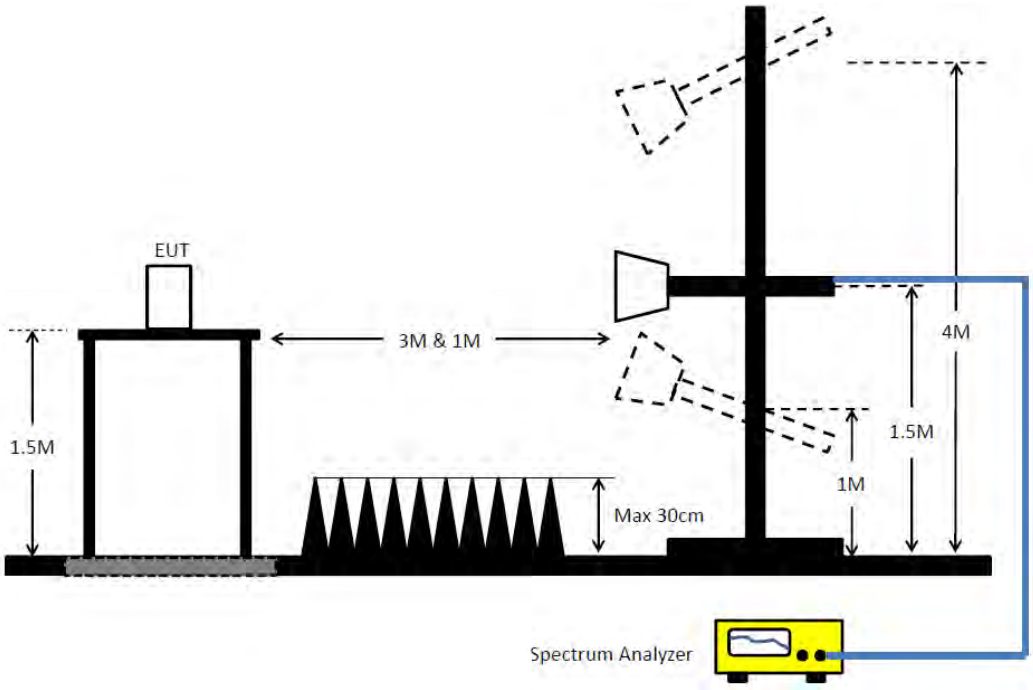
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 18, 2019	Nov. 17, 2020	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

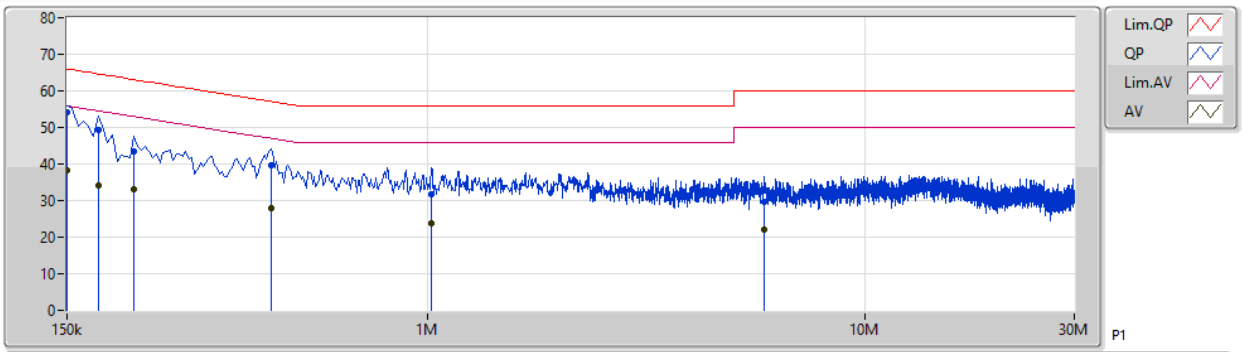
NCR means Non-Calibration required.

Summary

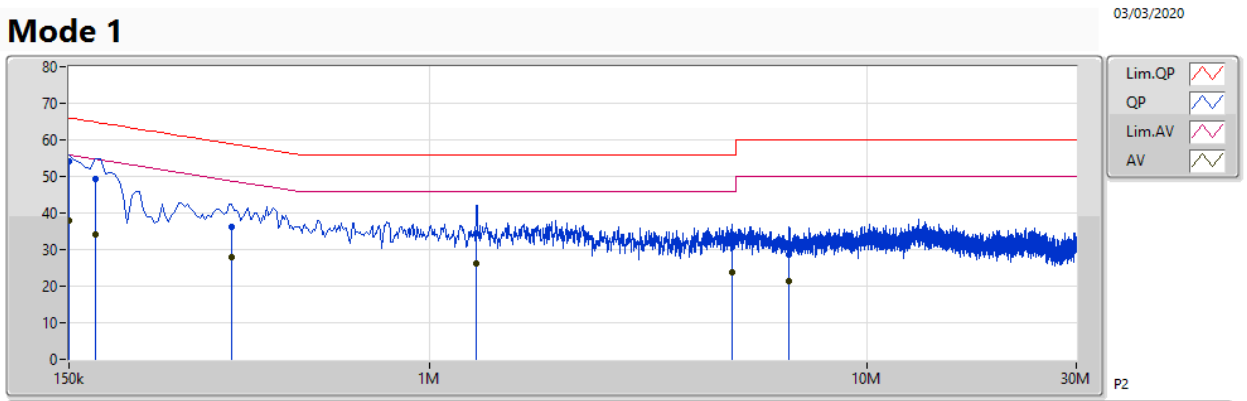
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	QP	150k	54.04	66.00	-11.96	9.90	Neutral

Mode 1

03/03/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	53.97	66.00	-12.03	9.90	Line	"Worst"	44.07	0.05	0.06	9.79
AV	150k	38.26	56.00	-17.74	9.90	Line	-	28.36	0.05	0.06	9.79
QP	177k	49.41	64.62	-15.21	9.90	Line	-	39.51	0.05	0.06	9.79
AV	177k	34.03	54.62	-20.59	9.90	Line	-	24.13	0.05	0.06	9.79
QP	213k	43.47	63.09	-19.62	9.90	Line	-	33.57	0.05	0.06	9.79
AV	213k	33.24	53.09	-19.85	9.90	Line	-	23.34	0.05	0.06	9.79
QP	438k	39.54	57.11	-17.57	9.92	Line	-	29.62	0.05	0.06	9.81
AV	438k	27.98	47.11	-19.13	9.92	Line	-	18.06	0.05	0.06	9.81
QP	1.019M	31.72	56.00	-24.28	9.97	Line	-	21.75	0.06	0.09	9.82
AV	1.019M	23.94	46.00	-22.06	9.97	Line	-	13.97	0.06	0.09	9.82
QP	5.888M	29.49	60.00	-30.51	10.23	Line	-	19.26	0.17	0.20	9.86
AV	5.888M	22.19	50.00	-27.81	10.23	Line	-	11.96	0.17	0.20	9.86



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	54.04	66.00	-11.96	9.90	Neutral	"Worst"	44.14	0.05	0.06	9.79
AV	150k	38.09	56.00	-17.91	9.90	Neutral	-	28.19	0.05	0.06	9.79
QP	172.5k	49.29	64.83	-15.54	9.90	Neutral	-	39.39	0.05	0.06	9.79
AV	172.5k	34.24	54.83	-20.59	9.90	Neutral	-	24.34	0.05	0.06	9.79
QP	352.5k	36.21	58.91	-22.70	9.92	Neutral	-	26.29	0.05	0.06	9.81
AV	352.5k	28.01	48.91	-20.90	9.92	Neutral	-	18.09	0.05	0.06	9.81
QP	1.28M	34.44	56.00	-21.56	9.99	Neutral	-	24.45	0.07	0.10	9.82
AV	1.28M	26.07	46.00	-19.93	9.99	Neutral	-	16.08	0.07	0.10	9.82
QP	4.898M	31.34	56.00	-24.66	10.14	Neutral	-	21.20	0.13	0.18	9.83
AV	4.898M	23.87	46.00	-22.13	10.14	Neutral	-	13.73	0.13	0.18	9.83
QP	6.617M	28.59	60.00	-31.41	10.22	Neutral	-	18.37	0.15	0.20	9.87
AV	6.617M	21.30	50.00	-28.70	10.22	Neutral	-	11.08	0.15	0.20	9.87

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	8.075M	11.575M	11M6G1D	8M	11.4M
802.11b_Nss1,(1Mbps)_1TX	9M	11.85M	11M8G1D	8.075M	11.425M
802.11b_Nss1,(1Mbps)_1TX	8.5M	11.55M	11M5G1D	8M	11.45M
802.11b_Nss1,(1Mbps)_1TX	8.525M	11.725M	11M7G1D	8.025M	11.525M
802.11g_Nss1,(6Mbps)_4TX	16.375M	21.575M	21M6D1D	16.325M	16.975M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.025M	19.275M	19M3D1D	18.95M	19.075M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.15M	38.3M	38M3D1D	37.85M	38.15M

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

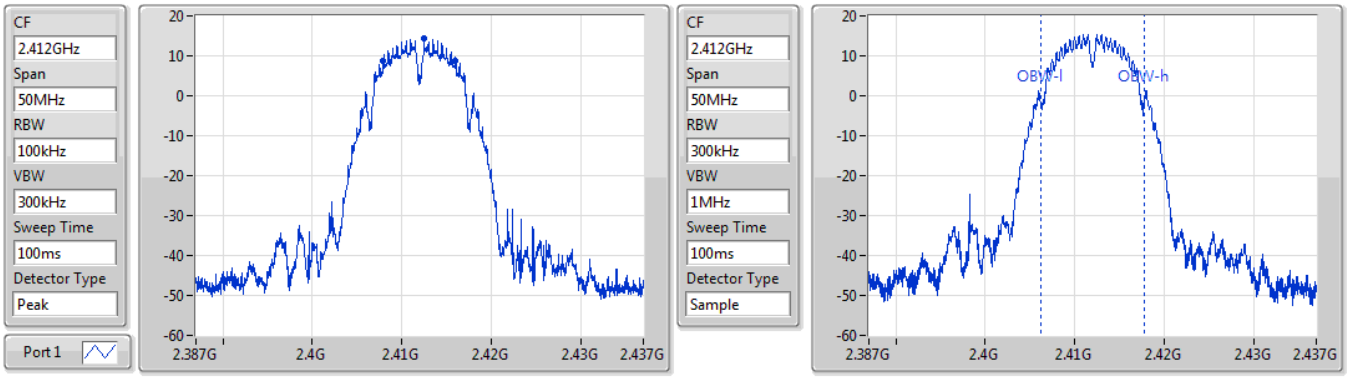
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.075M	11.575M	-	-	-	-	-	-
2437MHz	Pass	500k	8.05M	11.4M	-	-	-	-	-	-
2462MHz	Pass	500k	8M	11.4M	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	-	-	8.5M	11.425M	-	-	-	-
2437MHz	Pass	500k	-	-	8.075M	11.625M	-	-	-	-
2462MHz	Pass	500k	-	-	9M	11.85M	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	-	-	-	-	8.5M	11.525M	-	-
2437MHz	Pass	500k	-	-	-	-	8M	11.45M	-	-
2462MHz	Pass	500k	-	-	-	-	8.05M	11.55M	-	-
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	-	-	-	-	-	-	8.075M	11.525M
2437MHz	Pass	500k	-	-	-	-	-	-	8.025M	11.675M
2462MHz	Pass	500k	-	-	-	-	-	-	8.525M	11.725M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	17M	16.35M	17.1M	16.375M	17.1M	16.375M	17.075M
2437MHz	Pass	500k	16.35M	17.85M	16.325M	19.2M	16.35M	17.875M	16.325M	21.575M
2462MHz	Pass	500k	16.375M	17.15M	16.35M	16.975M	16.35M	17.1M	16.375M	17.025M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.175M	18.975M	19.175M	19.025M	19.2M	18.975M	19.15M
2437MHz	Pass	500k	18.95M	19.275M	18.975M	19.175M	18.975M	19.25M	18.95M	19.2M
2462MHz	Pass	500k	18.95M	19.125M	19M	19.125M	18.975M	19.125M	18.975M	19.075M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.9M	38.2M	38M	38.2M	38.05M	38.2M	38.1M	38.3M
2437MHz	Pass	500k	38.1M	38.3M	38.15M	38.3M	37.95M	38.15M	38.15M	38.3M
2452MHz	Pass	500k	38.1M	38.3M	38.05M	38.2M	38.1M	38.25M	37.85M	38.2M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

02/12/2019

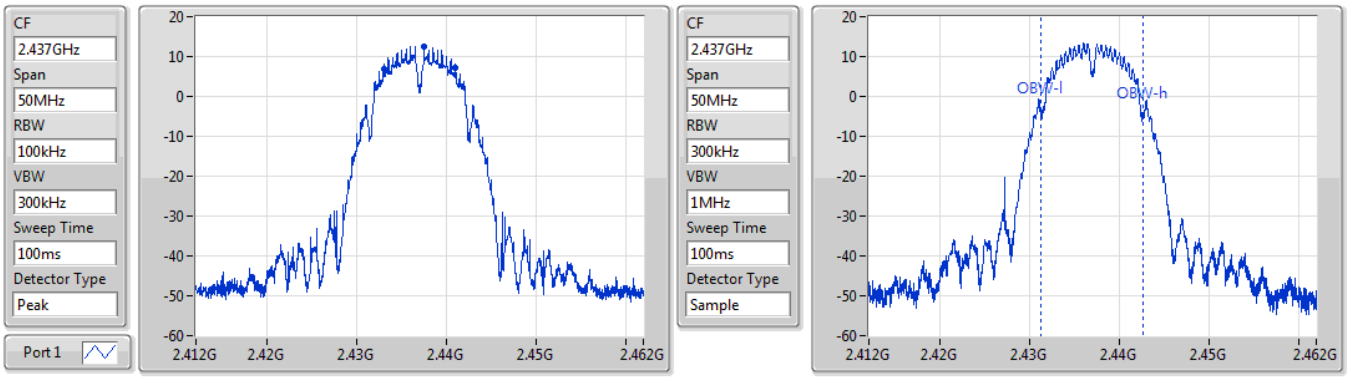


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.40795G	2.416025G	11.575M	2.4062G	2.417775G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

02/12/2019

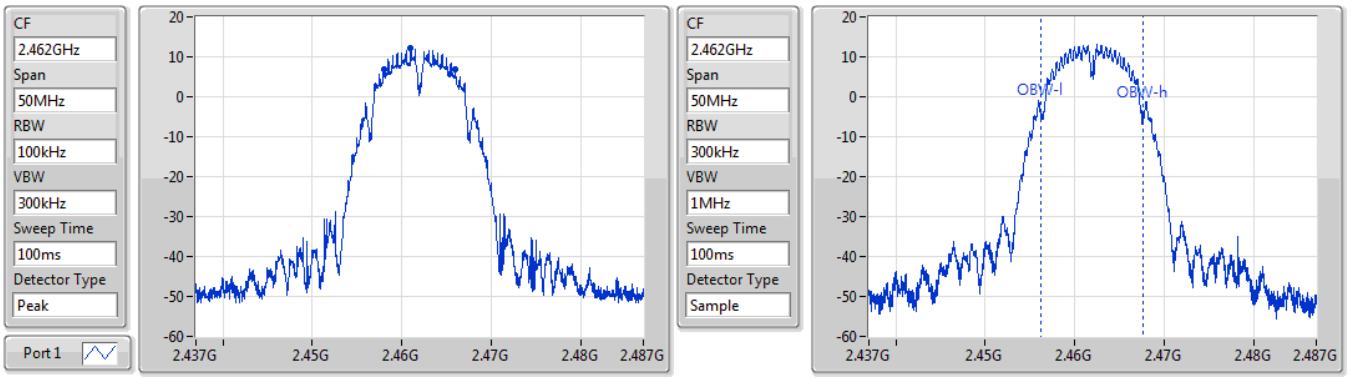


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432975G	2.441025G	11.4M	2.43125G	2.44265G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

02/12/2019

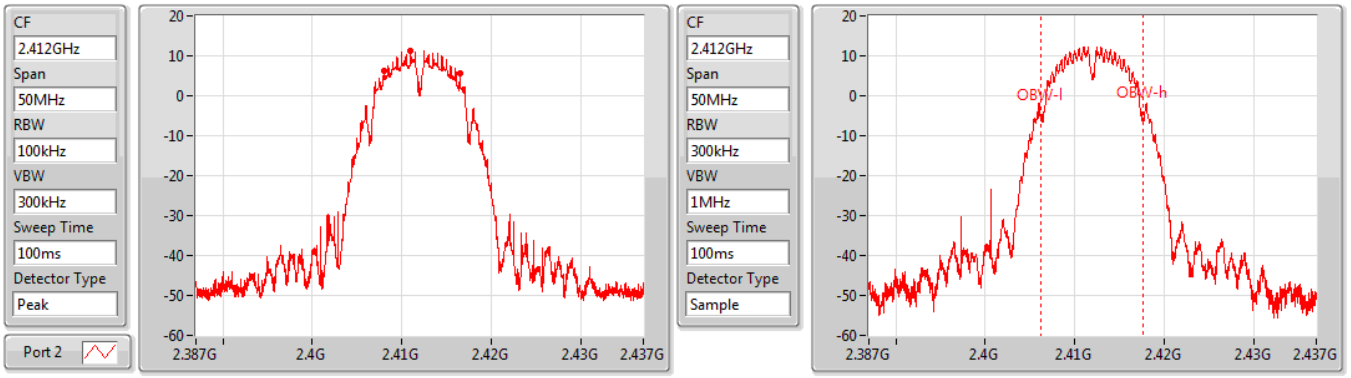


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.457975G	2.465975G	11.4M	2.456225G	2.467625G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

02/12/2019

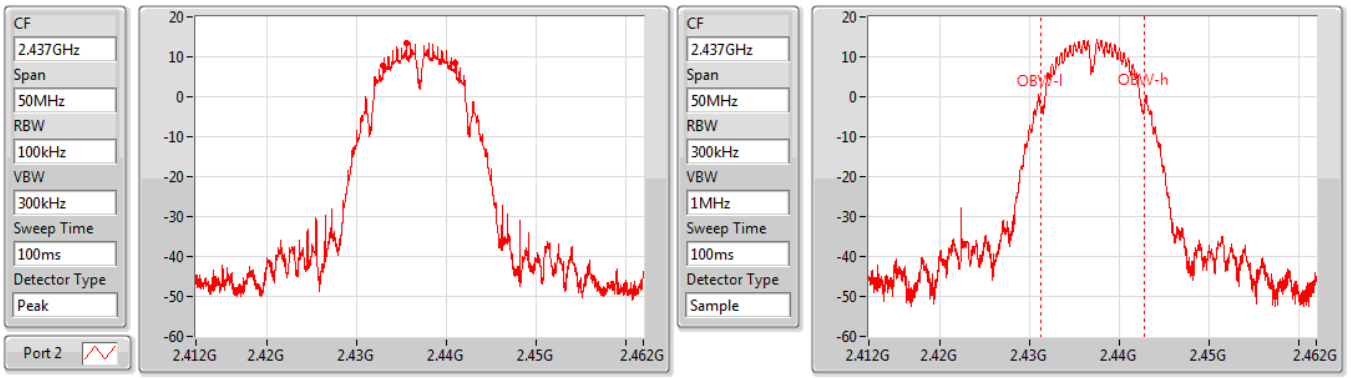


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.408G	2.4165G	11.425M	2.406275G	2.4177G	500k	2

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

02/12/2019

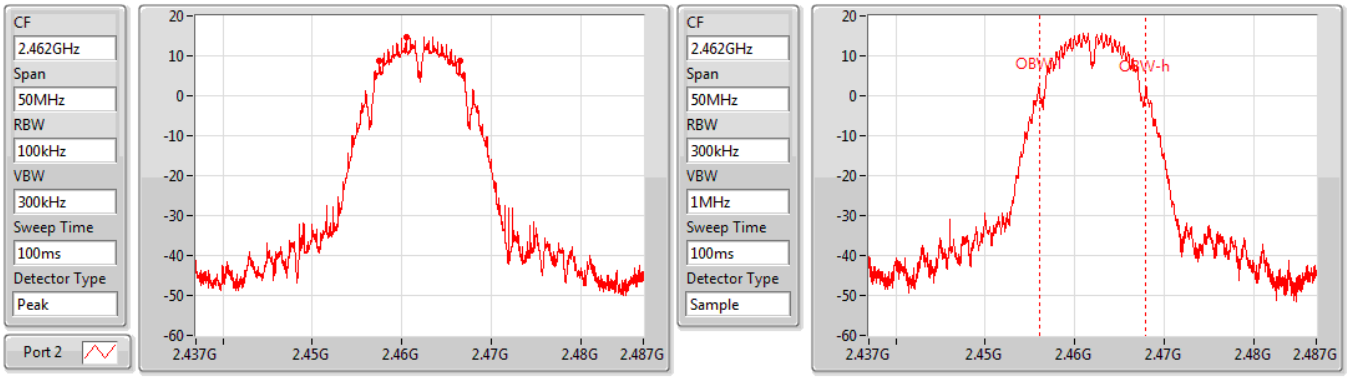


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.43295G	2.441025G	11.625M	2.431175G	2.4428G	500k	2

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

02/12/2019

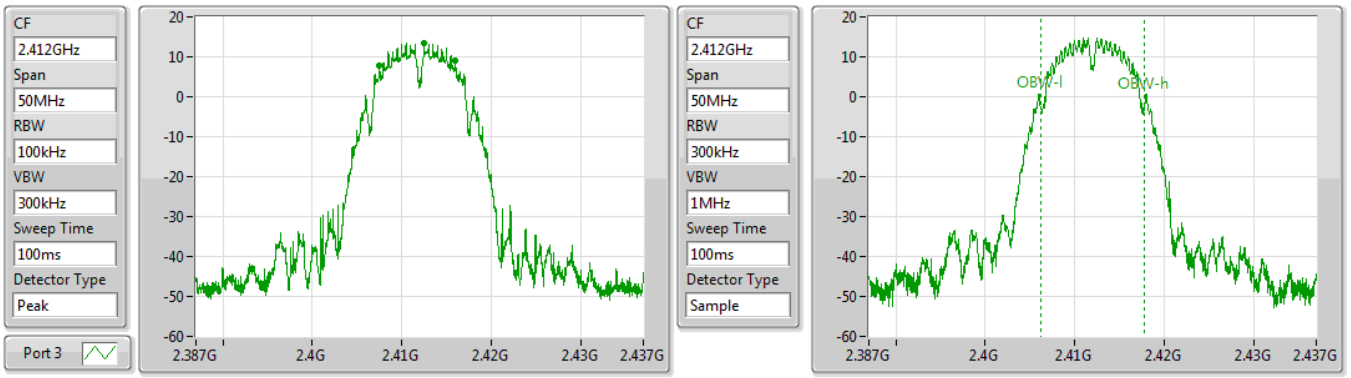


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9M	2.4575G	2.4665G	11.85M	2.45605G	2.4679G	500k	2

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

02/12/2019

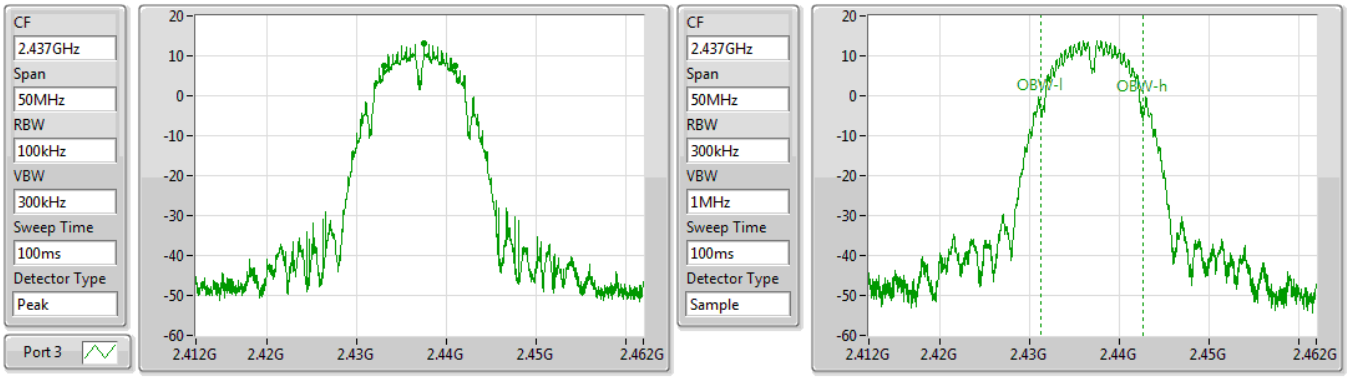


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.4075G	2.416G	11.525M	2.4062G	2.417725G	500k	3

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

02/12/2019

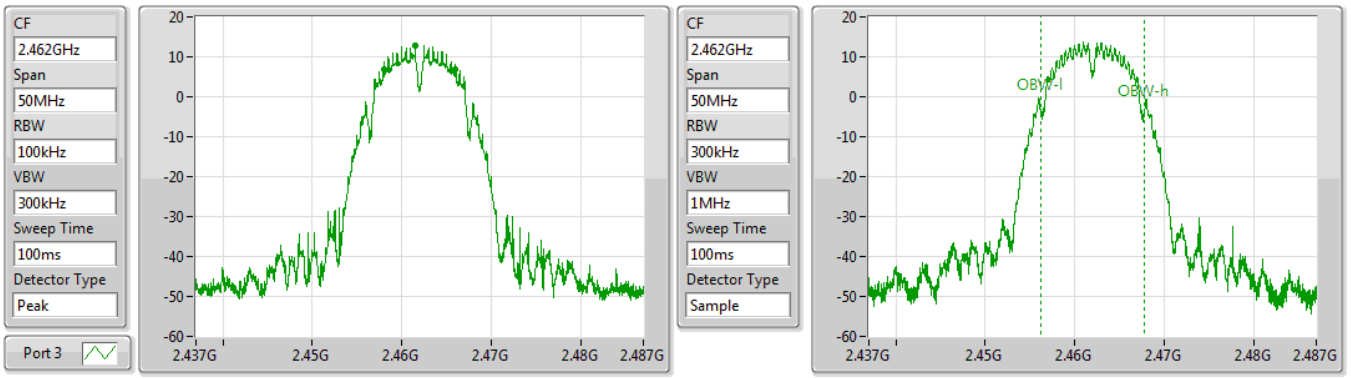


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.432975G	2.440975G	11.45M	2.43125G	2.4427G	500k	3

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

02/12/2019

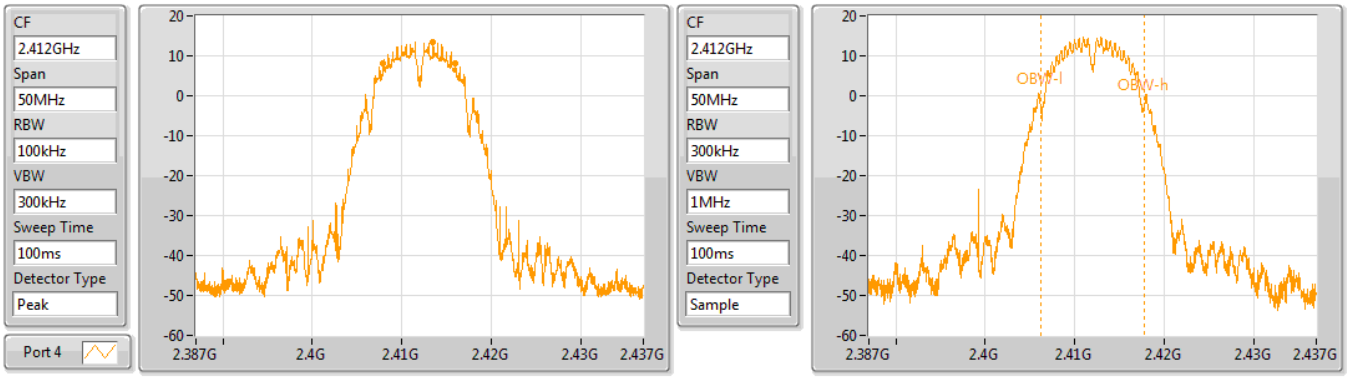


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.457975G	2.466025G	11.55M	2.456175G	2.467725G	500k	3

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

02/12/2019

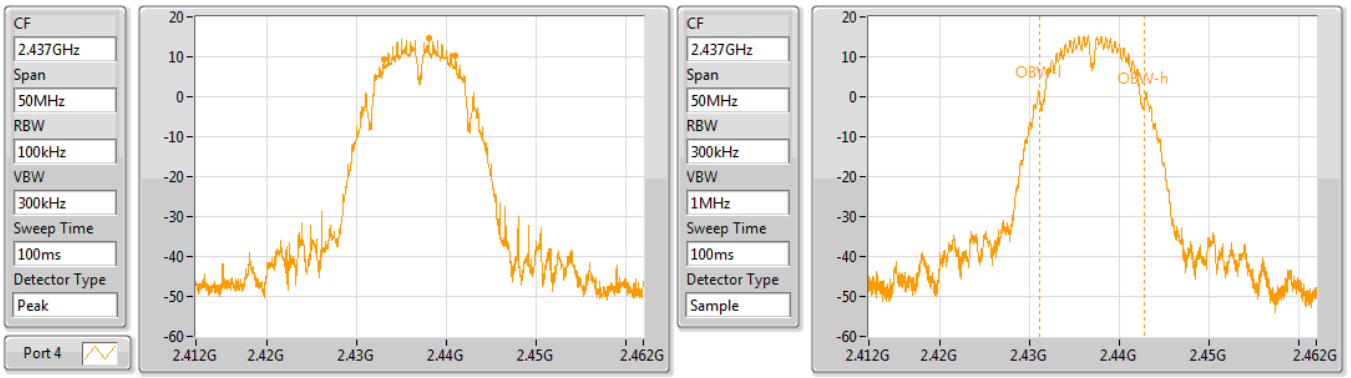


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.40795G	2.416025G	11.525M	2.4062G	2.417725G	500k	4

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

02/12/2019

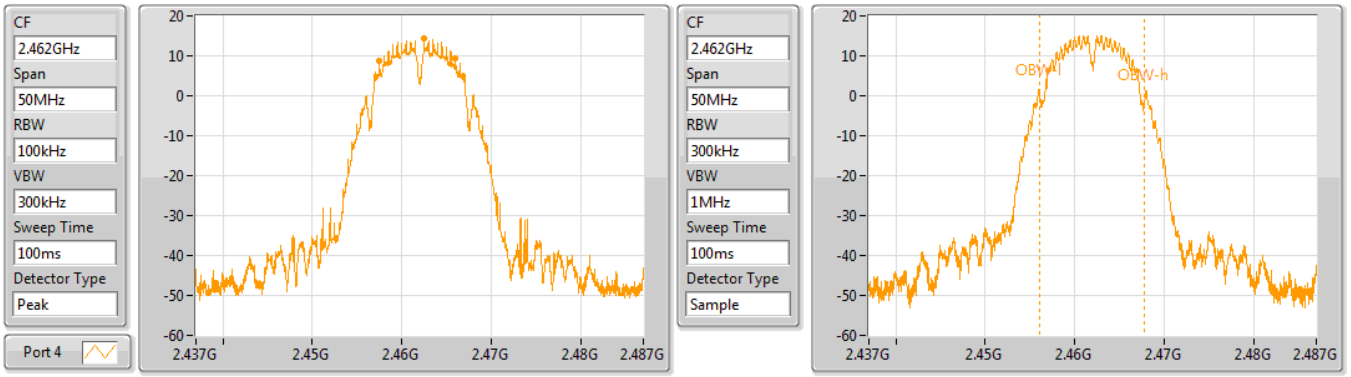


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.433G	2.441025G	11.675M	2.431125G	2.4428G	500k	4

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

02/12/2019

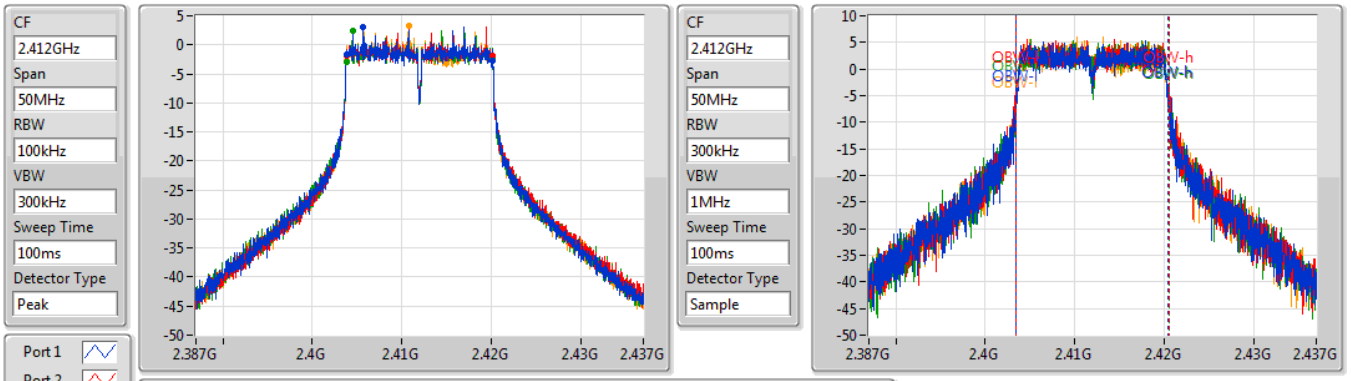


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.457475G	2.466G	11.725M	2.4561G	2.467825G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2412MHz

02/12/2019

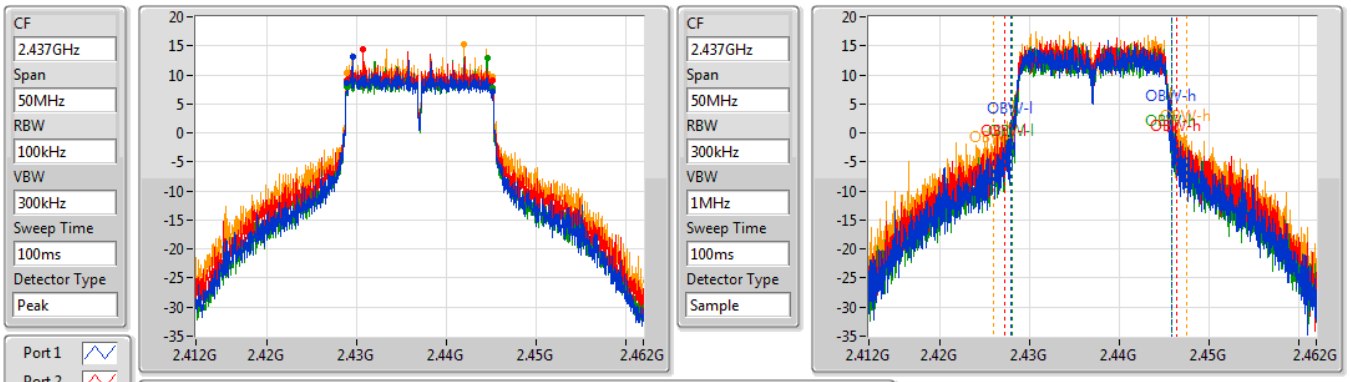


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.403825G	2.420175G	17M	2.403475G	2.420475G	500k	1
16.35M	2.403825G	2.420175G	17.1M	2.403425G	2.420525G	500k	2
16.375M	2.4038G	2.420175G	17.1M	2.403475G	2.420575G	500k	3
16.375M	2.4038G	2.420175G	17.075M	2.40345G	2.420525G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2437MHz

02/12/2019

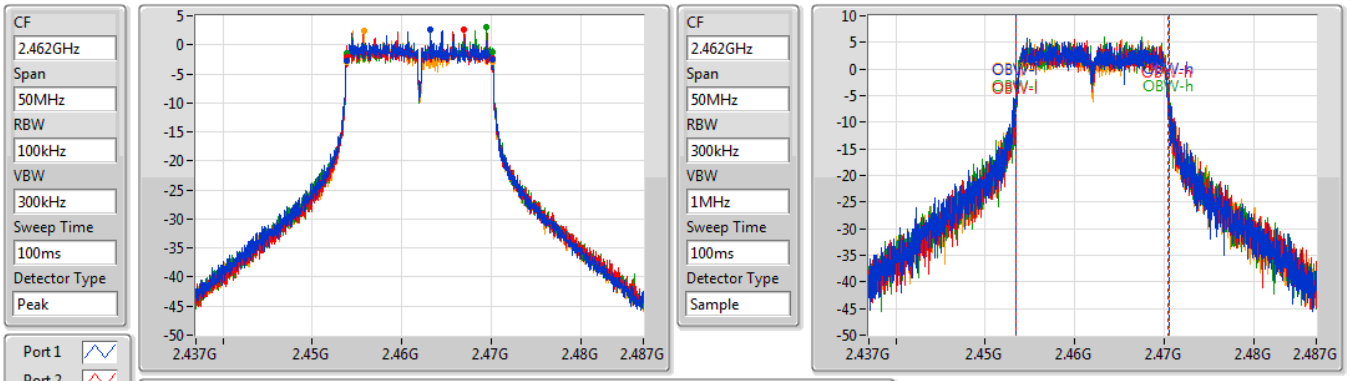


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.428825G	2.445175G	17.85M	2.427925G	2.445775G	500k	1
16.325M	2.428825G	2.44515G	19.2M	2.4272G	2.4464G	500k	2
16.35M	2.428825G	2.445175G	17.875M	2.42795G	2.445825G	500k	3
16.325M	2.428825G	2.44515G	21.575M	2.425875G	2.44745G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2462MHz

02/12/2019

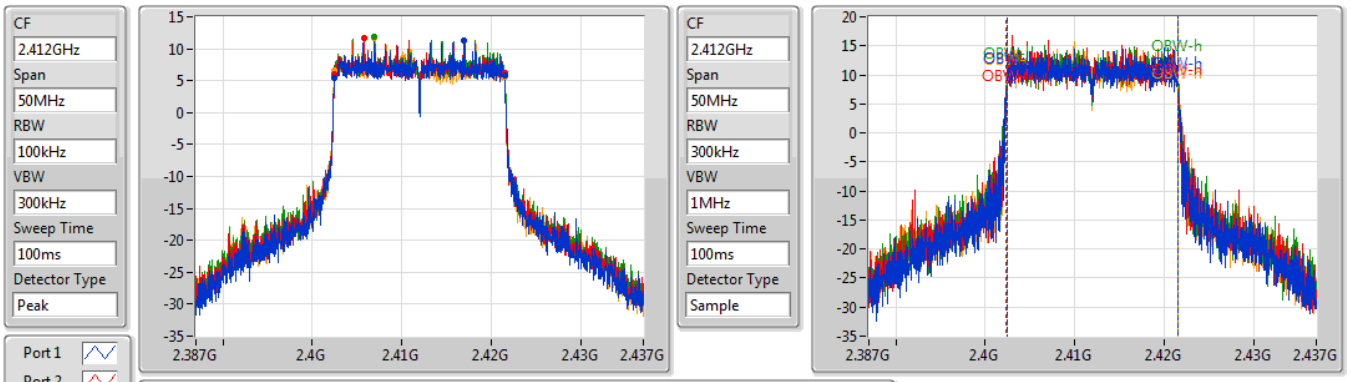


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.4538G	2.470175G	17.15M	2.453375G	2.470525G	500k	1
16.35M	2.453825G	2.470175G	16.975M	2.4535G	2.470475G	500k	2
16.35M	2.453825G	2.470175G	17.1M	2.45345G	2.47055G	500k	3
16.375M	2.4538G	2.470175G	17.025M	2.453475G	2.4705G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2412MHz

02/12/2019

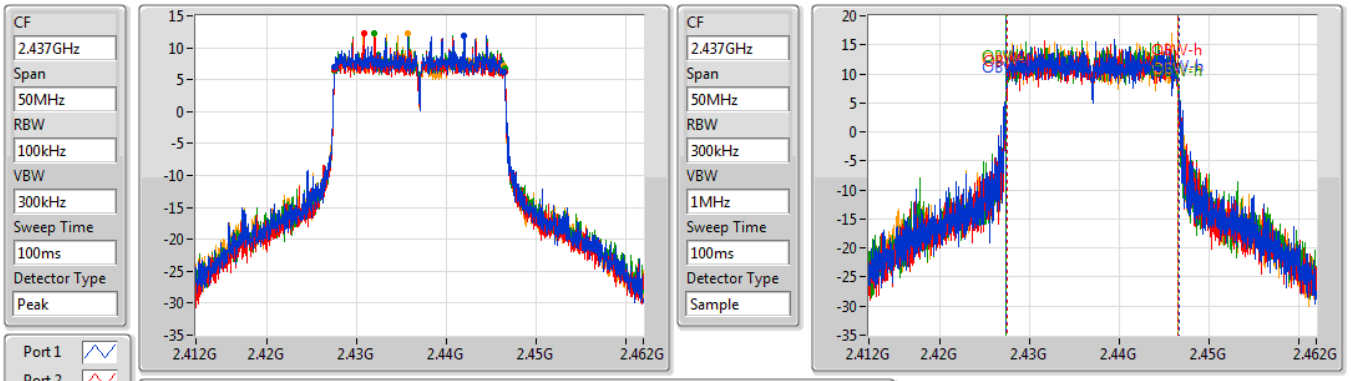


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.402475G	2.421475G	19.175M	2.4024G	2.421575G	500k	1
18.975M	2.4025G	2.421475G	19.175M	2.402375G	2.42155G	500k	2
19.025M	2.402475G	2.4215G	19.2M	2.4024G	2.4216G	500k	3
18.975M	2.4025G	2.421475G	19.15M	2.4024G	2.42155G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2437MHz

02/12/2019

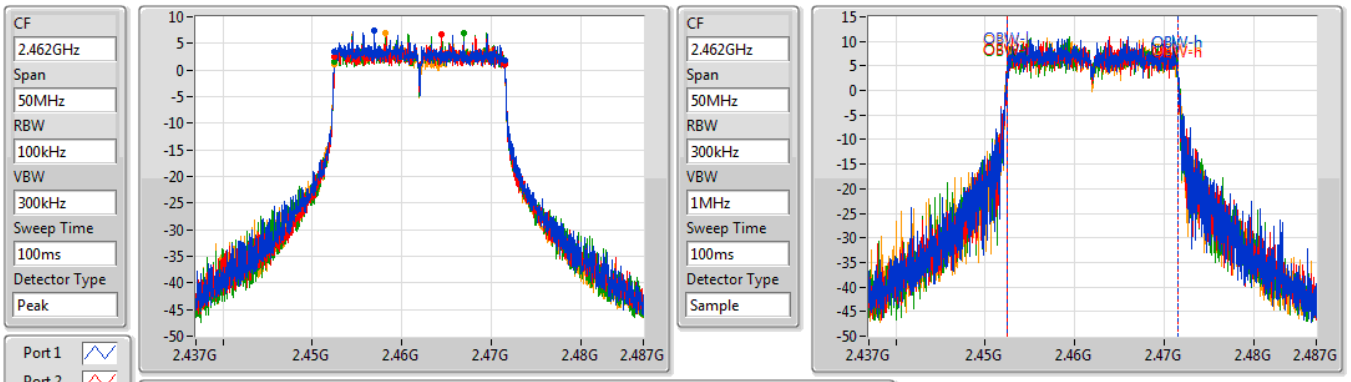


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4275G	2.44645G	19.275M	2.42735G	2.446625G	500k	1
18.975M	2.4275G	2.446475G	19.175M	2.4274G	2.446575G	500k	2
18.975M	2.4275G	2.446475G	19.25M	2.42735G	2.4466G	500k	3
18.95M	2.4275G	2.44645G	19.2M	2.427375G	2.446575G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2462MHz

02/12/2019

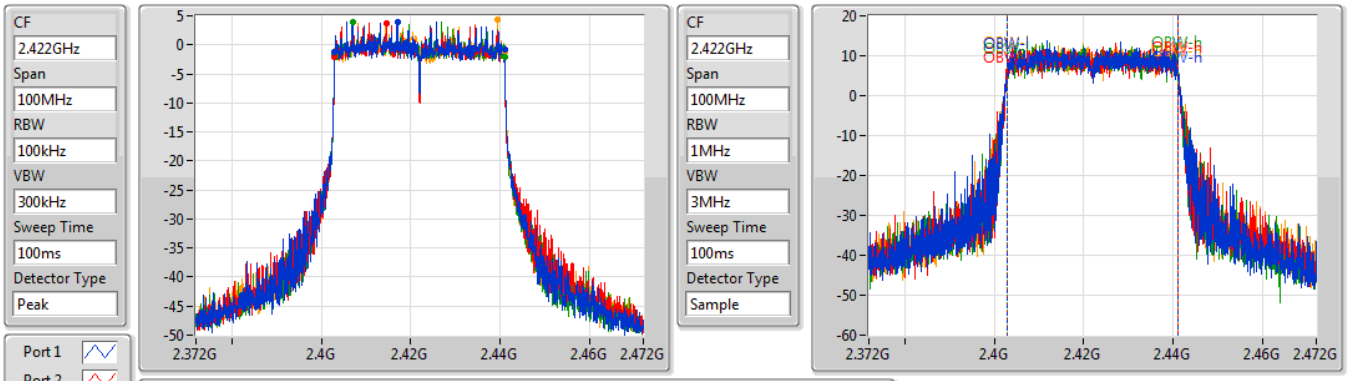


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.452525G	2.471475G	19.125M	2.4524G	2.471525G	500k	1
19M	2.4525G	2.4715G	19.125M	2.4524G	2.471525G	500k	2
18.975M	2.4525G	2.471475G	19.125M	2.452425G	2.47155G	500k	3
18.975M	2.4525G	2.471475G	19.075M	2.45245G	2.471525G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2422MHz

02/12/2019

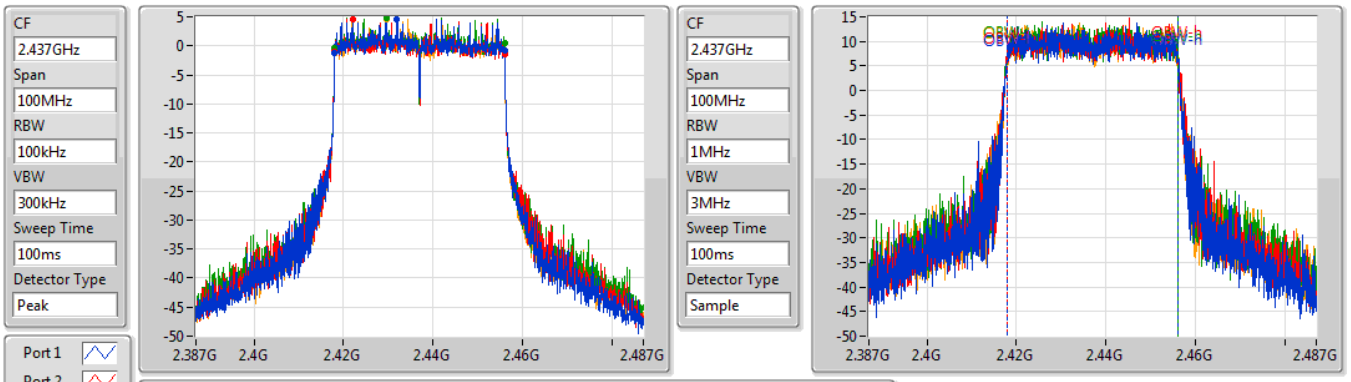


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.9M	2.40305G	2.44095G	38.2M	2.4029G	2.4411G	500k	1
38M	2.40295G	2.44095G	38.2M	2.4029G	2.4411G	500k	2
38.05M	2.403G	2.44105G	38.2M	2.40285G	2.44105G	500k	3
38.1M	2.40295G	2.44105G	38.3M	2.40285G	2.44115G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2437MHz

02/12/2019

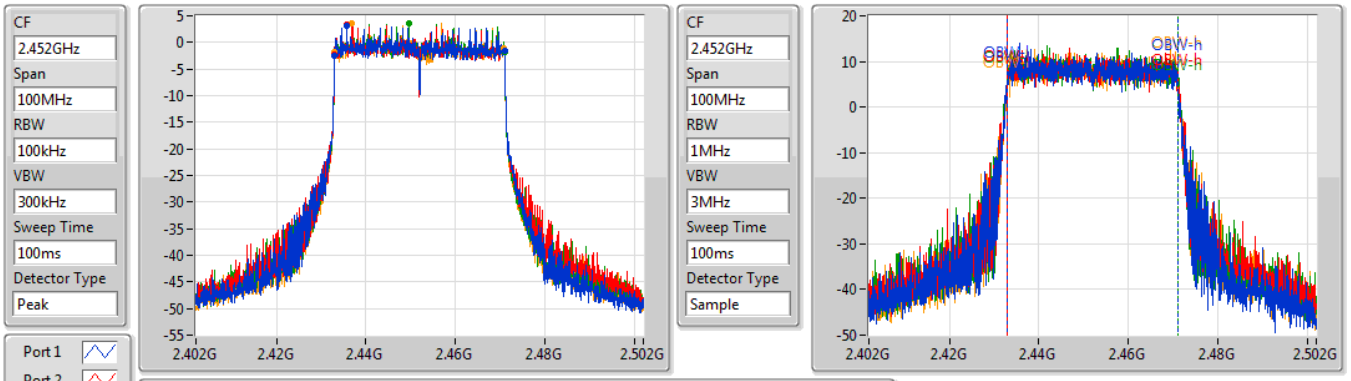


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.1M	2.41795G	2.45605G	38.3M	2.41785G	2.45615G	500k	1
38.15M	2.41795G	2.4561G	38.3M	2.41785G	2.45615G	500k	2
37.95M	2.418G	2.45595G	38.15M	2.4179G	2.45605G	500k	3
38.15M	2.41795G	2.4561G	38.3M	2.41785G	2.45615G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2452MHz

02/12/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.1M	2.43295G	2.47105G	38.3M	2.43285G	2.47115G	500k	1
38.05M	2.43295G	2.471G	38.2M	2.43285G	2.47105G	500k	2
38.1M	2.43295G	2.47105G	38.25M	2.4329G	2.47115G	500k	3
37.85M	2.43305G	2.4709G	38.2M	2.4329G	2.4711G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.33	0.21528
802.11b_Nss1,(1Mbps)_1TX	23.69	0.23388
802.11b_Nss1,(1Mbps)_1TX	22.73	0.18750
802.11b_Nss1,(1Mbps)_1TX	23.38	0.21777
802.11g_Nss1,(6Mbps)_4TX	29.78	0.95060
802.11ax HEW20_Nss1,(MCS0)_4TX	29.88	0.97275
802.11ax HEW40_Nss1,(MCS0)_4TX	25.83	0.38282

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)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	23.33	-	-	-	23.33	30.00
2437MHz	Pass	2.80	21.22	-	-	-	21.22	30.00
2462MHz	Pass	2.80	21.07	-	-	-	21.07	30.00
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	-	20.23	-	-	20.23	30.00
2437MHz	Pass	2.80	-	22.29	-	-	22.29	30.00
2462MHz	Pass	2.80	-	23.69	-	-	23.69	30.00
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	-	-	22.73	-	22.73	30.00
2437MHz	Pass	2.80	-	-	21.78	-	21.78	30.00
2462MHz	Pass	2.80	-	-	21.61	-	21.61	30.00
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	-	-	-	22.65	22.65	30.00
2437MHz	Pass	2.80	-	-	-	23.38	23.38	30.00
2462MHz	Pass	2.80	-	-	-	23.31	23.31	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	14.88	14.95	14.81	14.61	20.83	30.00
2417MHz	Pass	2.80	23.32	23.16	23.40	23.17	29.28	30.00
2437MHz	Pass	2.80	23.76	23.60	23.86	23.83	29.78	30.00
2457MHz	Pass	2.80	23.08	23.04	22.86	23.11	29.04	30.00
2462MHz	Pass	2.80	14.89	15.16	14.73	14.98	20.96	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	19.56	19.91	19.79	19.82	25.79	30.00
2417MHz	Pass	2.80	21.41	21.74	21.58	21.85	27.67	30.00
2437MHz	Pass	2.80	23.71	23.99	23.89	23.84	29.88	30.00
2457MHz	Pass	2.80	20.56	20.25	20.21	20.52	26.41	30.00
2462MHz	Pass	2.80	19.70	20.09	19.96	20.00	25.96	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.80	18.24	18.46	18.55	18.67	24.50	30.00
2437MHz	Pass	2.80	19.64	19.63	20.18	19.77	25.83	30.00
2452MHz	Pass	2.80	18.31	18.39	18.62	18.44	24.46	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	0.01
802.11b_Nss1,(1Mbps)_1TX	1.03
802.11b_Nss1,(1Mbps)_1TX	-0.12
802.11b_Nss1,(1Mbps)_1TX	1.86
802.11g_Nss1,(6Mbps)_4TX	3.43
802.11ax HEW20_Nss1,(MCS0)_4TX	2.83
802.11ax HEW40_Nss1,(MCS0)_4TX	-5.23

RBW=3 kHz.

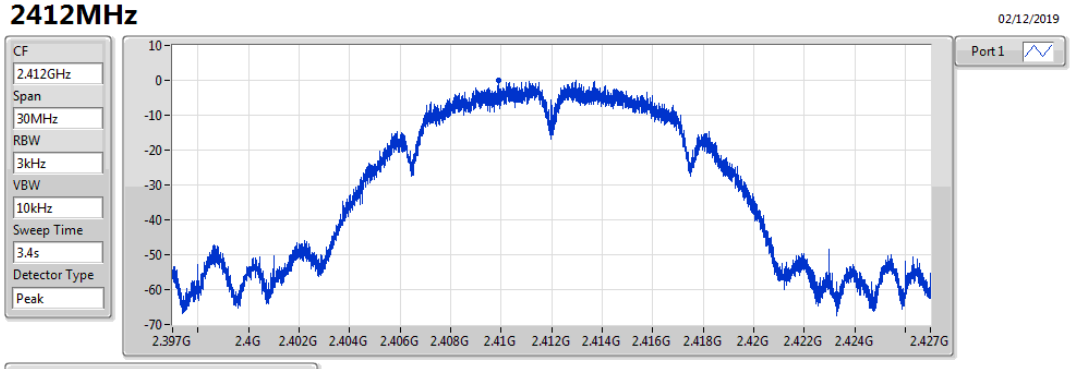
Result

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)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	0.01	-	-	-	0.01	8.00
2437MHz	Pass	2.80	-1.86	-	-	-	-1.86	8.00
2462MHz	Pass	2.80	-1.99	-	-	-	-1.99	8.00
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	-	-2.56	-	-	-2.56	8.00
2437MHz	Pass	2.80	-	0.29	-	-	0.29	8.00
2462MHz	Pass	2.80	-	1.03	-	-	1.03	8.00
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	-	-	-0.12	-	-0.12	8.00
2437MHz	Pass	2.80	-	-	-0.92	-	-0.92	8.00
2462MHz	Pass	2.80	-	-	-0.64	-	-0.64	8.00
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.80	-	-	-	0.24	0.24	8.00
2437MHz	Pass	2.80	-	-	-	1.86	1.86	8.00
2462MHz	Pass	2.80	-	-	-	1.02	1.02	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.82	-11.17	-11.22	-10.57	-10.62	-5.37	5.18
2437MHz	Pass	8.82	-2.19	-1.43	-1.99	-1.35	3.43	5.18
2462MHz	Pass	8.82	-11.13	-10.93	-10.71	-10.40	-5.03	5.18
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.82	-3.01	-2.84	-2.88	-2.82	2.83	5.18
2437MHz	Pass	8.82	-2.43	-2.80	-2.85	-2.18	2.20	5.18
2462MHz	Pass	8.82	-7.09	-7.15	-7.60	-7.05	-1.66	5.18
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.82	-11.61	-11.25	-10.51	-11.14	-5.54	5.18
2437MHz	Pass	8.82	-10.36	-9.59	-9.54	-9.78	-5.23	5.18
2452MHz	Pass	8.82	-11.83	-11.44	-11.46	-10.53	-6.79	5.18

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

802.11b_Nss1,(1Mbps)_1TX **PSD**

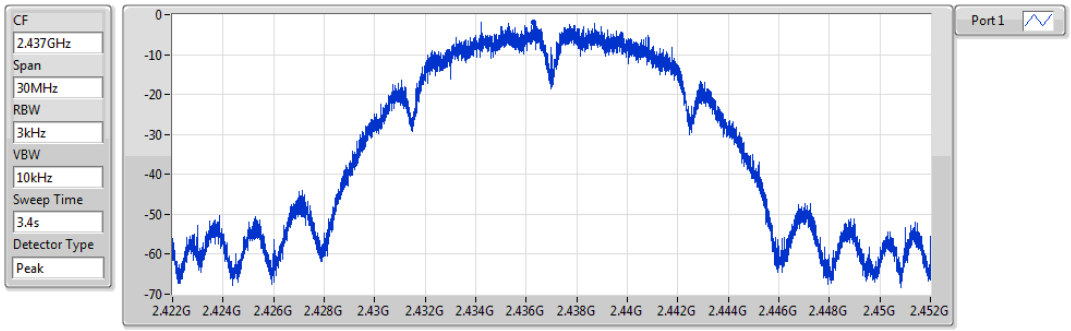
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.01	0.01	0.01

802.11b_Nss1,(1Mbps)_1TX **PSD**

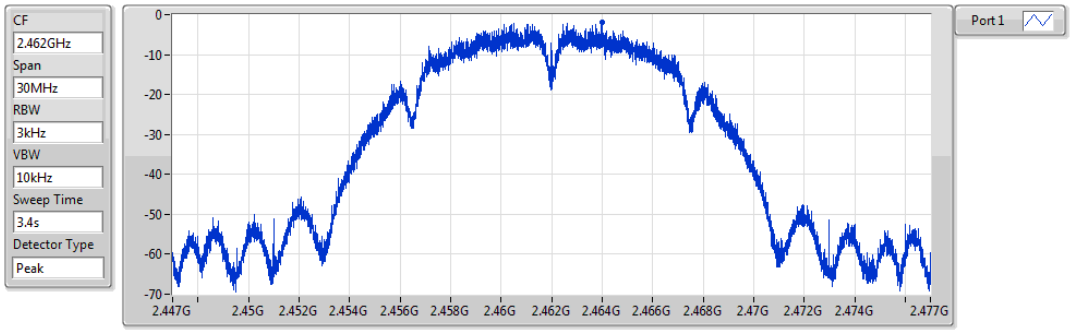
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.86	-1.86	-1.86

802.11b_Nss1,(1Mbps)_1TX **PSD**

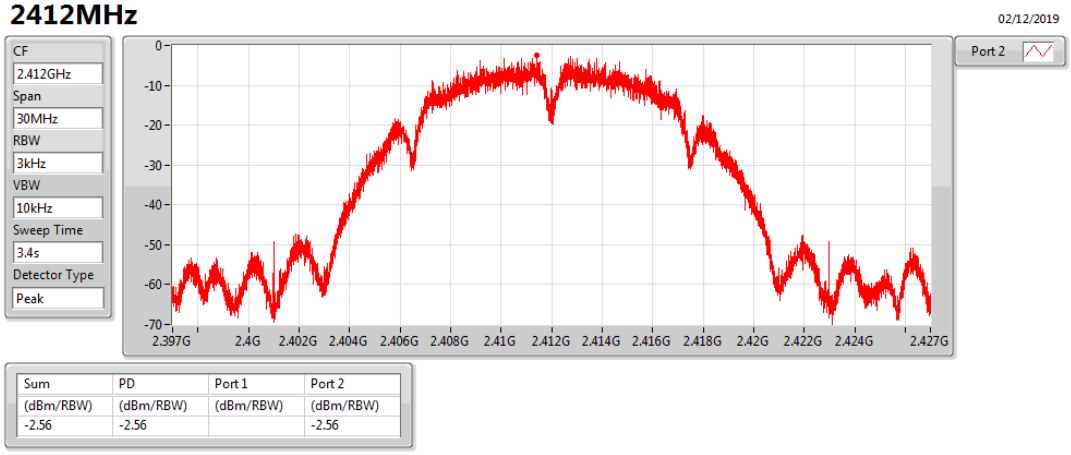
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.99	-1.99	-1.99

802.11b_Nss1,(1Mbps)_1TX PSD

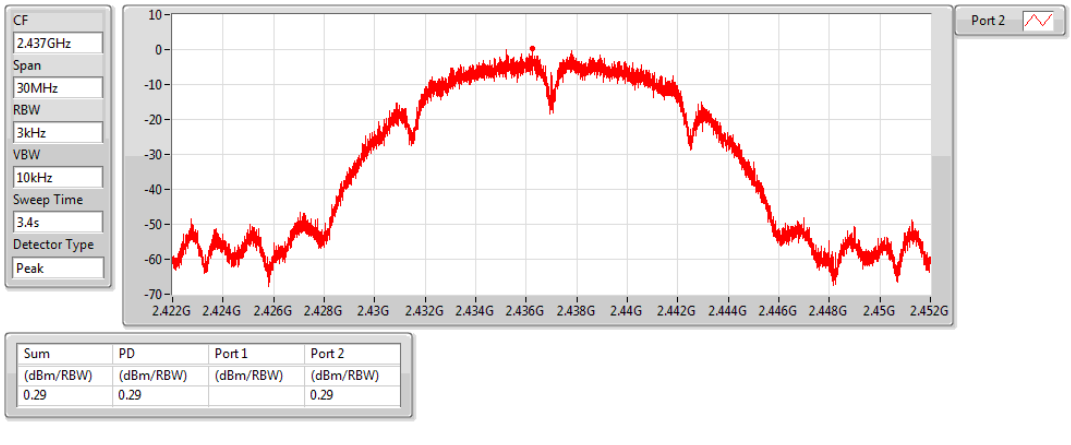
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.56	-2.56		-2.56

802.11b_Nss1,(1Mbps)_1TX PSD

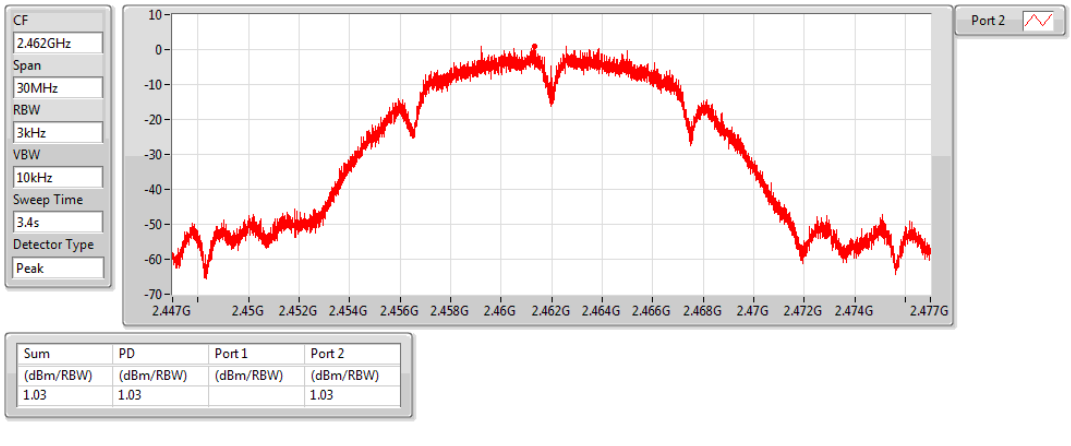
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.29	0.29		0.29

802.11b_Nss1,(1Mbps)_1TX PSD

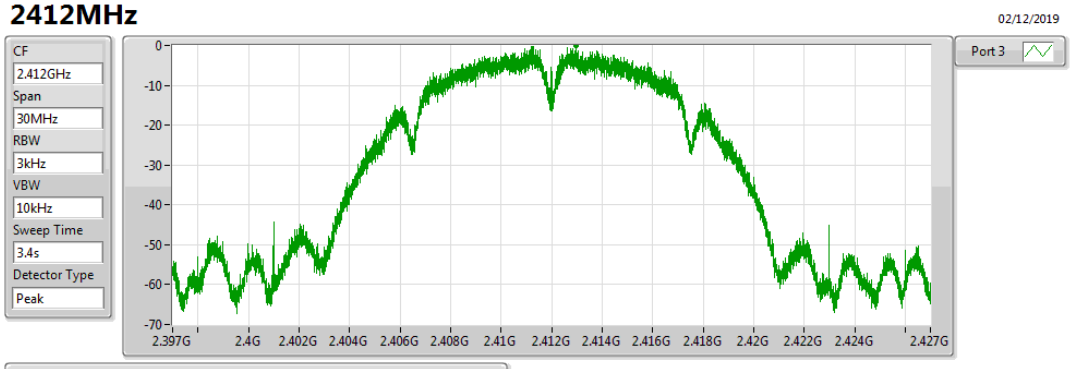
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.03	1.03		1.03

802.11b_Nss1,(1Mbps)_1TX PSD

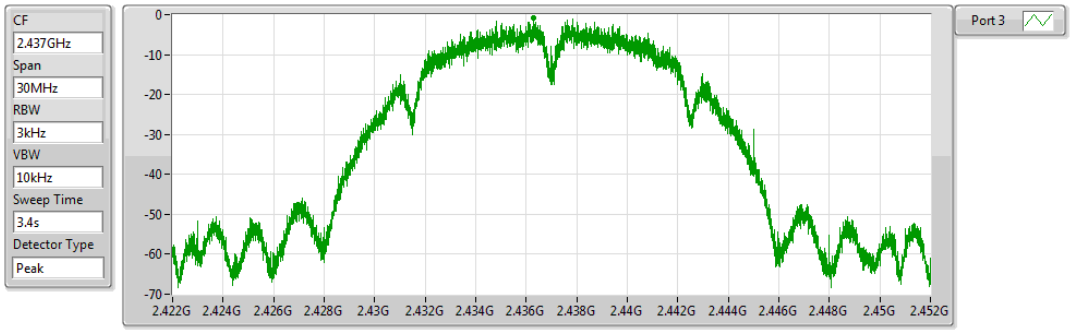
2412MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.12	-0.12			-0.12

802.11b_Nss1,(1Mbps)_1TX PSD

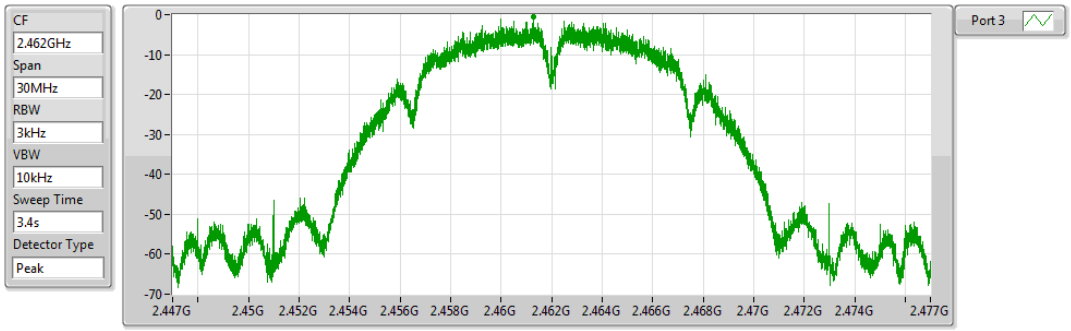
2437MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.92	-0.92			-0.92

802.11b_Nss1,(1Mbps)_1TX PSD

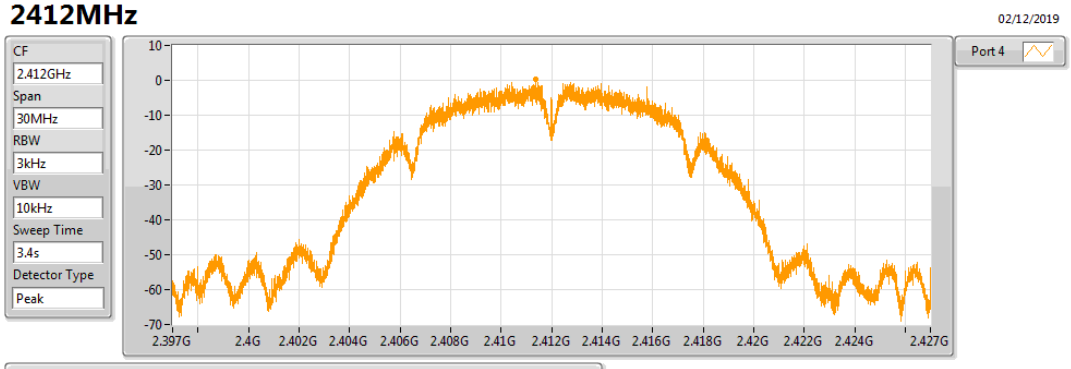
2462MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.64	-0.64			-0.64

802.11b_Nss1,(1Mbps)_1TX PSD

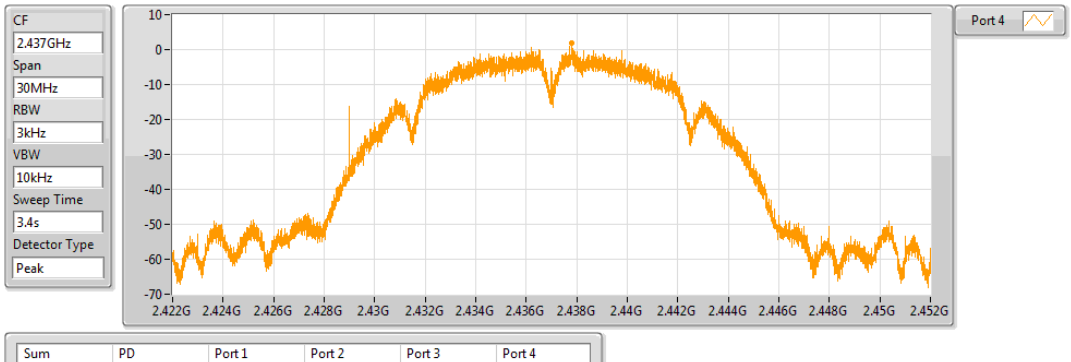
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.24	0.24				0.24

802.11b_Nss1,(1Mbps)_1TX PSD

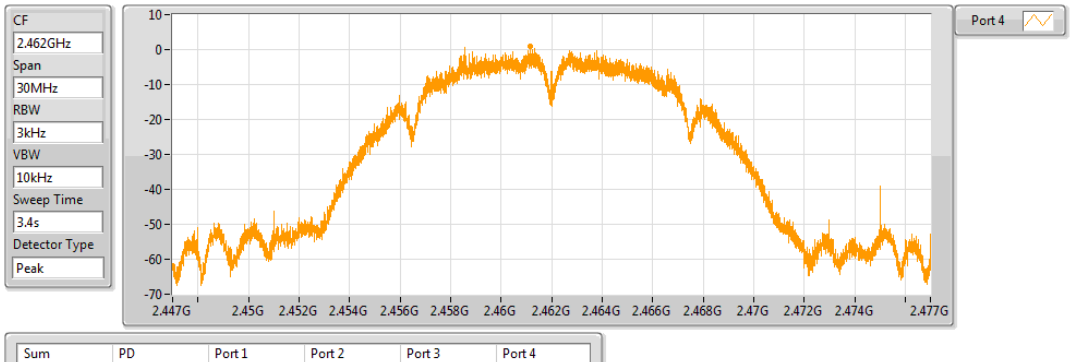
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.86	1.86				1.86

802.11b_Nss1,(1Mbps)_1TX PSD

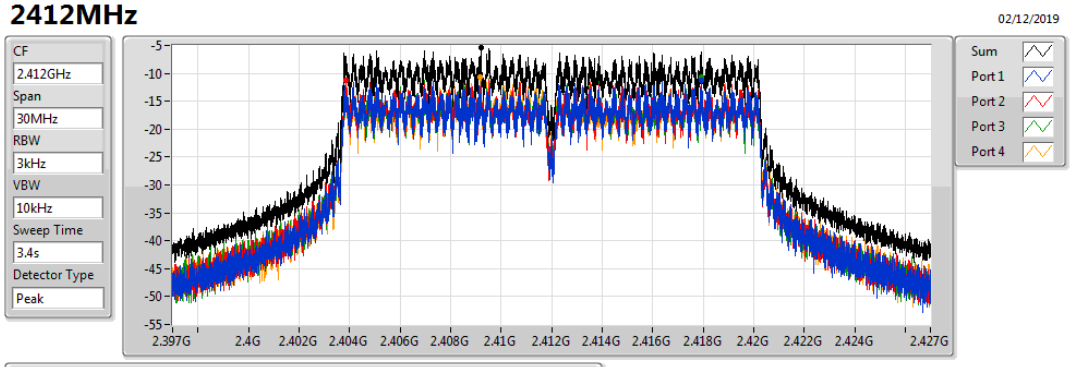
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.02	1.02				1.02

802.11g_Nss1,(6Mbps)_4TX PSD

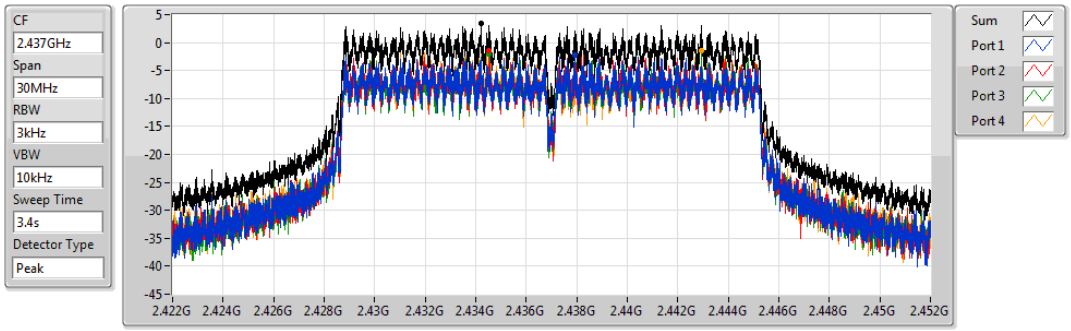
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.37	-5.37	-11.17	-11.22	-10.57	-10.62

802.11g_Nss1,(6Mbps)_4TX PSD

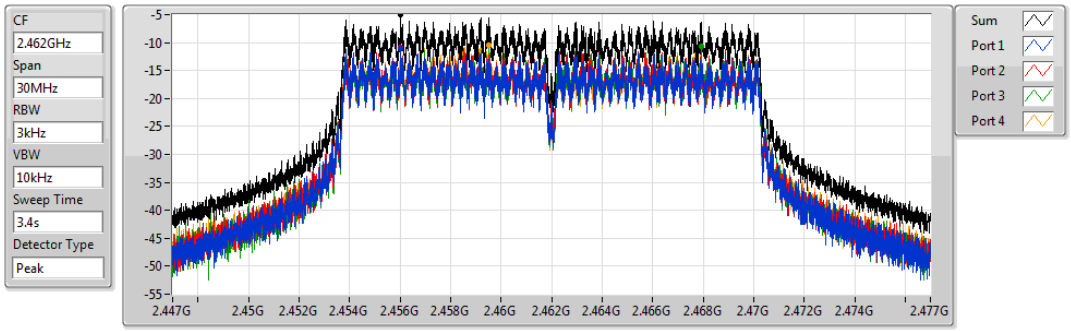
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.43	3.43	-2.19	-1.43	-1.99	-1.35

802.11g_Nss1,(6Mbps)_4TX PSD

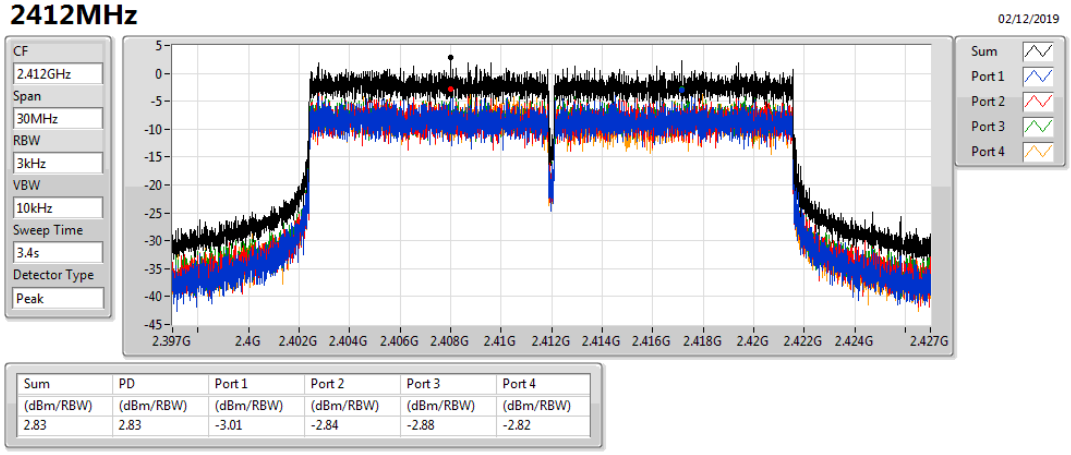
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.03	-5.03	-11.13	-10.93	-10.71	-10.40

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

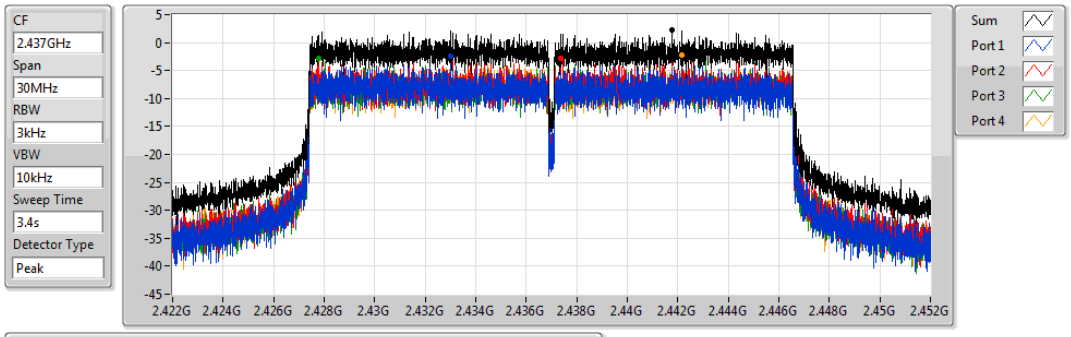
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.83	2.83	-3.01	-2.84	-2.88	-2.82

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

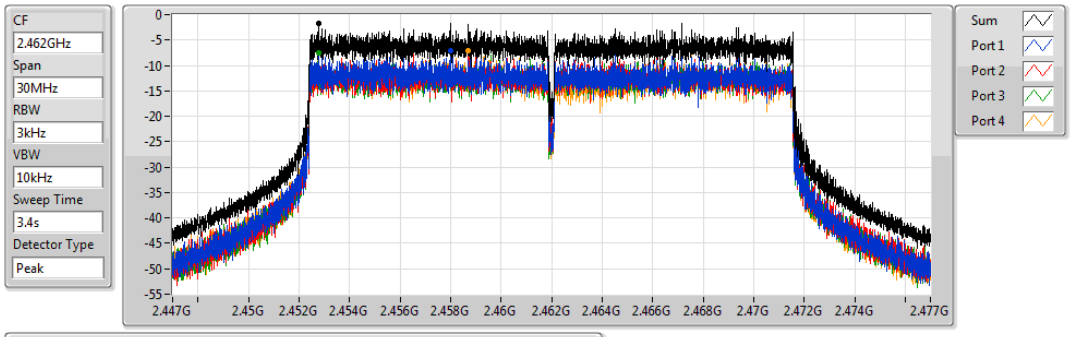
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.20	2.20	-2.43	-2.80	-2.85	-2.18

802.11ax HEW20_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)
-1.66	-1.66	-7.09	-7.15	-7.60	-7.05

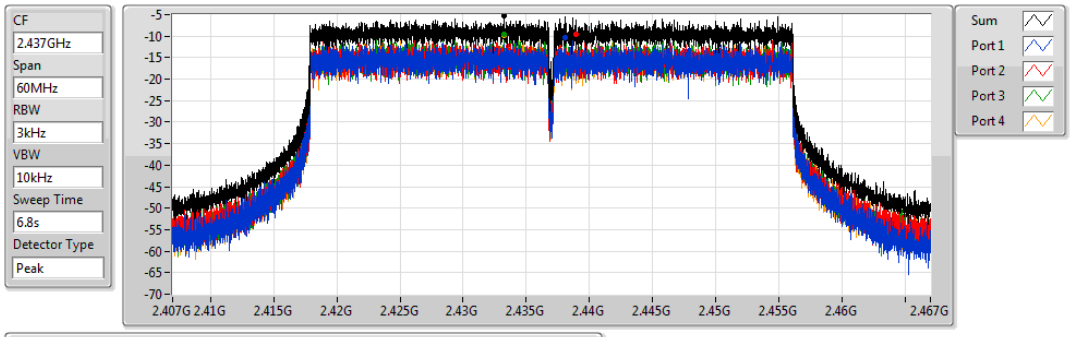
802.11ax HEW40_Nss1,(MCS0)_4TX PSD

2422MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.54	-5.54	-11.61	-11.25	-10.51	-11.14

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

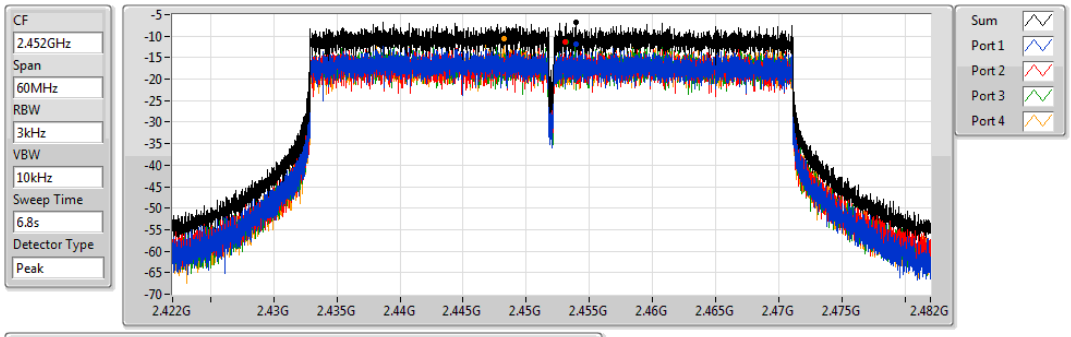
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.23	-5.23	-10.36	-9.59	-9.54	-9.78

802.11ax HEW40_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)
-6.79	-6.79	-11.83	-11.44	-11.46	-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)_1TX	Pass	2.41148G	14.50	-15.50	673.66M	-35.20	2.39852G	-32.43	2.497G	-40.19	24.81457G	-35.51	1
802.11b_Nss1,(1Mbps)_1TX	Pass	2.46304G	14.67	-15.33	673.66M	-41.35	2.39998G	-35.10	2.50804G	-41.35	21.70719G	-36.18	2
802.11b_Nss1,(1Mbps)_1TX	Pass	2.41148G	14.01	-15.99	673.66M	-38.17	2.39856G	-33.13	2.49298G	-40.38	17.11637G	-35.91	3
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43799G	14.26	-15.74	673.66M	-38.04	2.39854G	-34.84	2.50404G	-40.15	24.98876G	-35.64	4
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43073G	12.41	-17.59	1.77867G	-42.09	2.39998G	-24.07	2.49956G	-41.70	2.56002G	-36.27	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43073G	12.40	-17.60	2.02594G	-40.48	2.3994G	-21.23	2.5016G	-41.75	21.87015G	-36.84	2
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.44075G	4.86	-25.14	1.74263G	-42.16	2.39996G	-25.80	2.51798G	-42.42	24.04645G	-35.67	1

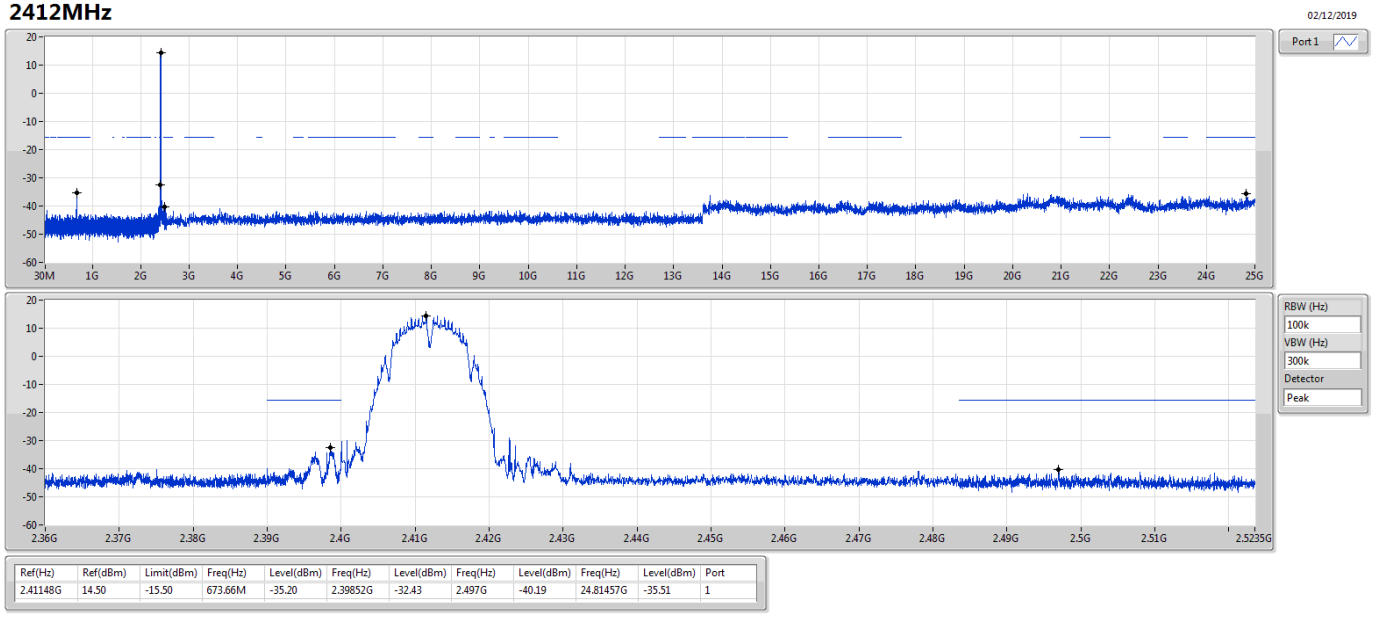
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41148G	14.50	-15.50	673.66M	-35.20	2.39852G	-32.43	2.497G	-40.19	24.81457G	-35.51	1
2437MHz	Pass	2.41148G	14.50	-15.50	698.71M	-40.56	2.39638G	-40.82	2.52202G	-41.13	21.87015G	-35.99	1
2462MHz	Pass	2.41148G	14.50	-15.50	723.76M	-40.46	2.3913G	-41.73	2.49764G	-40.39	21.93196G	-35.45	1
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46304G	14.67	-15.33	673.66M	-41.35	2.39998G	-35.10	2.50804G	-41.35	21.70719G	-36.18	2
2437MHz	Pass	2.46304G	14.67	-15.33	698.71M	-39.33	2.39542G	-40.34	2.52154G	-40.20	23.51655G	-36.42	2
2462MHz	Pass	2.46304G	14.67	-15.33	723.76M	-36.44	2.396G	-39.56	2.48812G	-39.57	21.63695G	-36.52	2
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41148G	14.01	-15.99	673.66M	-38.17	2.39856G	-33.13	2.49298G	-40.38	17.11637G	-35.91	3
2437MHz	Pass	2.41148G	14.01	-15.99	698.71M	-40.38	2.39898G	-40.21	2.52198G	-40.99	21.85891G	-36.25	3
2462MHz	Pass	2.41148G	14.01	-15.99	723.76M	-39.87	2.392G	-40.52	2.498G	-40.97	24.33413G	-36.47	3
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	14.26	-15.74	673.66M	-38.04	2.39854G	-34.84	2.50404G	-40.15	24.98876G	-35.64	4
2437MHz	Pass	2.43799G	14.26	-15.74	698.71M	-37.10	2.396G	-40.36	2.522G	-40.31	21.71843G	-36.08	4
2462MHz	Pass	2.43799G	14.26	-15.74	723.76M	-38.45	2.39002G	-41.46	2.487G	-40.62	24.99438G	-36.36	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	12.41	-17.59	598.23M	-42.81	2.39984G	-25.09	2.50282G	-42.48	21.62291G	-36.54	1
2412MHz	Pass	2.43073G	12.41	-17.59	1.88177G	-42.35	2.39964G	-26.06	2.5116G	-41.22	24.98033G	-36.28	2
2412MHz	Pass	2.43073G	12.41	-17.59	680.65M	-42.30	2.39948G	-25.20	2.50344G	-41.64	21.92634G	-37.24	3
2412MHz	Pass	2.43073G	12.41	-17.59	1.77867G	-42.09	2.39998G	-24.07	2.49956G	-41.70	2.56002G	-36.27	4
2437MHz	Pass	2.43073G	12.41	-17.59	531.82M	-42.44	2.39808G	-39.87	2.4958G	-41.67	24.96909G	-36.55	1
2437MHz	Pass	2.43073G	12.41	-17.59	2.30525G	-42.21	2.39366G	-40.45	2.50198G	-42.02	21.98815G	-36.06	2
2437MHz	Pass	2.43073G	12.41	-17.59	1.65401G	-42.03	2.39816G	-40.66	2.5136G	-41.56	21.85891G	-36.13	3
2437MHz	Pass	2.43073G	12.41	-17.59	1.63916G	-42.60	2.3957G	-40.69	2.51172G	-41.26	21.61729G	-36.75	4
2462MHz	Pass	2.43073G	12.41	-17.59	604.35M	-42.75	2.39266G	-41.38	2.48422G	-27.39	21.71281G	-36.84	1
2462MHz	Pass	2.43073G	12.41	-17.59	509.11M	-41.78	2.39562G	-41.23	2.48388G	-25.08	24.54204G	-36.40	2
2462MHz	Pass	2.43073G	12.41	-17.59	421.15M	-42.76	2.39658G	-41.80	2.48356G	-27.60	24.98033G	-36.77	3
2462MHz	Pass	2.43073G	12.41	-17.59	140.68M	-42.39	2.39816G	-41.87	2.4836G	-27.71	2.56002G	-35.87	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	12.40	-17.60	336.4M	-42.16	2.39996G	-21.59	2.51204G	-41.61	24.99719G	-36.99	1
2412MHz	Pass	2.43073G	12.40	-17.60	2.02594G	-40.48	2.3994G	-21.23	2.5016G	-41.75	21.87015G	-36.84	2
2412MHz	Pass	2.43073G	12.40	-17.60	1.86662G	-42.92	2.39904G	-21.33	2.51938G	-41.36	24.94943G	-35.89	3
2412MHz	Pass	2.43073G	12.40	-17.60	2.19719G	-42.43	2.3997G	-21.43	2.5028G	-41.16	23.49688G	-36.66	4
2437MHz	Pass	2.43073G	12.40	-17.60	39.03M	-42.36	2.3997G	-39.49	2.48912G	-41.26	24.21332G	-35.83	1
2437MHz	Pass	2.43073G	12.40	-17.60	208.83M	-42.10	2.39964G	-39.14	2.52224G	-40.48	23.59803G	-36.30	2
2437MHz	Pass	2.43073G	12.40	-17.60	687.64M	-41.26	2.39974G	-38.90	2.4902G	-41.26	21.40938G	-36.38	3
2437MHz	Pass	2.43073G	12.40	-17.60	366.1M	-41.75	2.39604G	-37.91	2.48484G	-41.17	2.56002G	-34.70	4
2462MHz	Pass	2.43073G	12.40	-17.60	64.95M	-41.47	2.39792G	-42.34	2.48398G	-36.45	24.91852G	-36.37	1
2462MHz	Pass	2.43073G	12.40	-17.60	2.05302G	-42.80	2.39608G	-42.02	2.4838G	-34.31	24.99438G	-36.53	2
2462MHz	Pass	2.43073G	12.40	-17.60	69.9M	-41.64	2.39588G	-41.41	2.48422G	-36.41	24.00822G	-35.15	3
2462MHz	Pass	2.43073G	12.40	-17.60	1.94147G	-42.55	2.39958G	-42.12	2.48354G	-35.94	24.89886G	-36.28	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	4.86	-25.14	1.74263G	-42.16	2.39996G	-25.80	2.51798G	-42.42	24.04645G	-35.67	1
2422MHz	Pass	2.44075G	4.86	-25.14	627.98M	-43.36	2.39928G	-26.76	2.54586G	-42.35	21.79999G	-35.97	2
2422MHz	Pass	2.44075G	4.86	-25.14	152.23M	-42.65	2.39844G	-27.45	2.5173G	-41.62	24.00438G	-37.21	3
2422MHz	Pass	2.44075G	4.86	-25.14	143.36M	-42.77	2.3998G	-28.96	2.56002G	-34.72	21.66538G	-36.77	4
2437MHz	Pass	2.44075G	4.86	-25.14	145.36M	-42.48	2.39836G	-36.91	2.56006G	-41.74	24.91586G	-36.87	1

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2437MHz	Pass	2.44075G	4.86	-25.14	450.22M	-42.39	2.39832G	-33.04	2.48398G	-40.33	23.57528G	-36.46	2
2437MHz	Pass	2.44075G	4.86	-25.14	2.12879G	-43.08	2.3992G	-33.04	2.48382G	-39.72	24.99439G	-35.78	3
2437MHz	Pass	2.44075G	4.86	-25.14	547.25M	-42.87	2.39924G	-35.06	2.56002G	-34.48	24.92428G	-36.50	4
2452MHz	Pass	2.44075G	4.86	-25.14	835.79M	-42.57	2.39472G	-42.75	2.48446G	-40.30	21.76634G	-36.49	1
2452MHz	Pass	2.44075G	4.86	-25.14	2.13795G	-42.49	2.398G	-42.10	2.48518G	-37.51	24.04084G	-37.14	2
2452MHz	Pass	2.44075G	4.86	-25.14	1.9224G	-42.51	2.39184G	-43.15	2.48546G	-37.53	21.93461G	-36.31	3
2452MHz	Pass	2.44075G	4.86	-25.14	647.73M	-42.67	2.39484G	-42.68	2.56002G	-35.10	23.42945G	-36.69	4

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

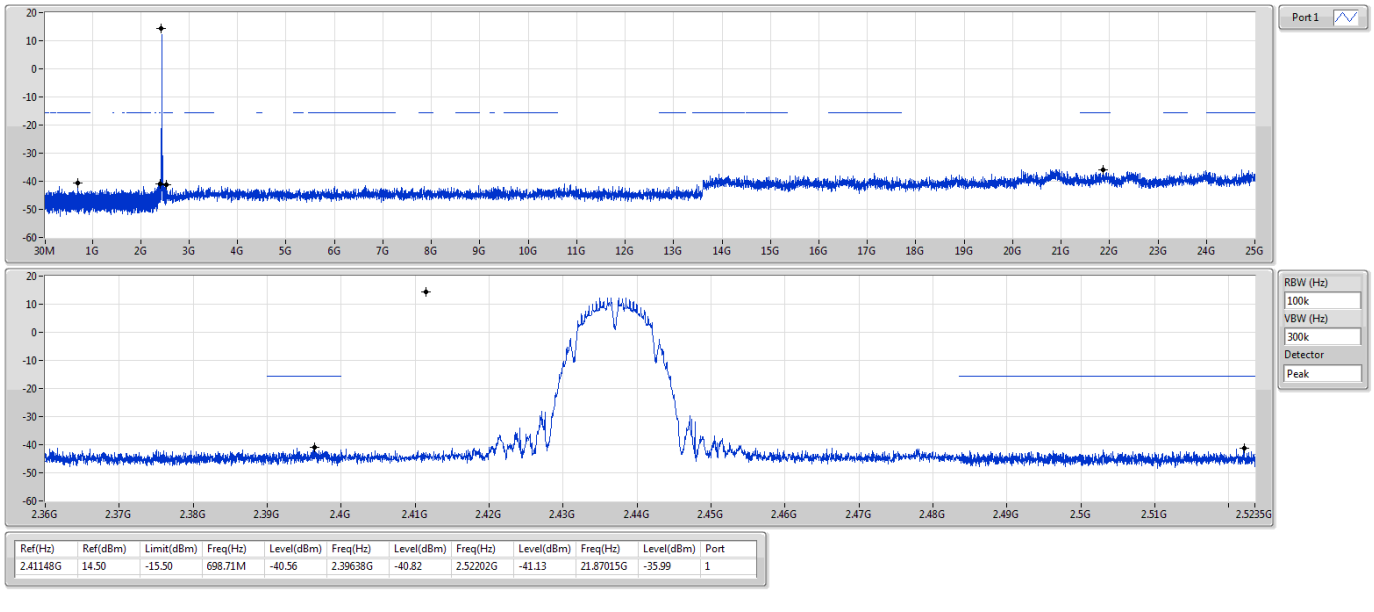
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	14.50	-15.50	673.66M	-35.20	2.39852G	-32.43	2.497G	-40.19	24.81457G	-35.51	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

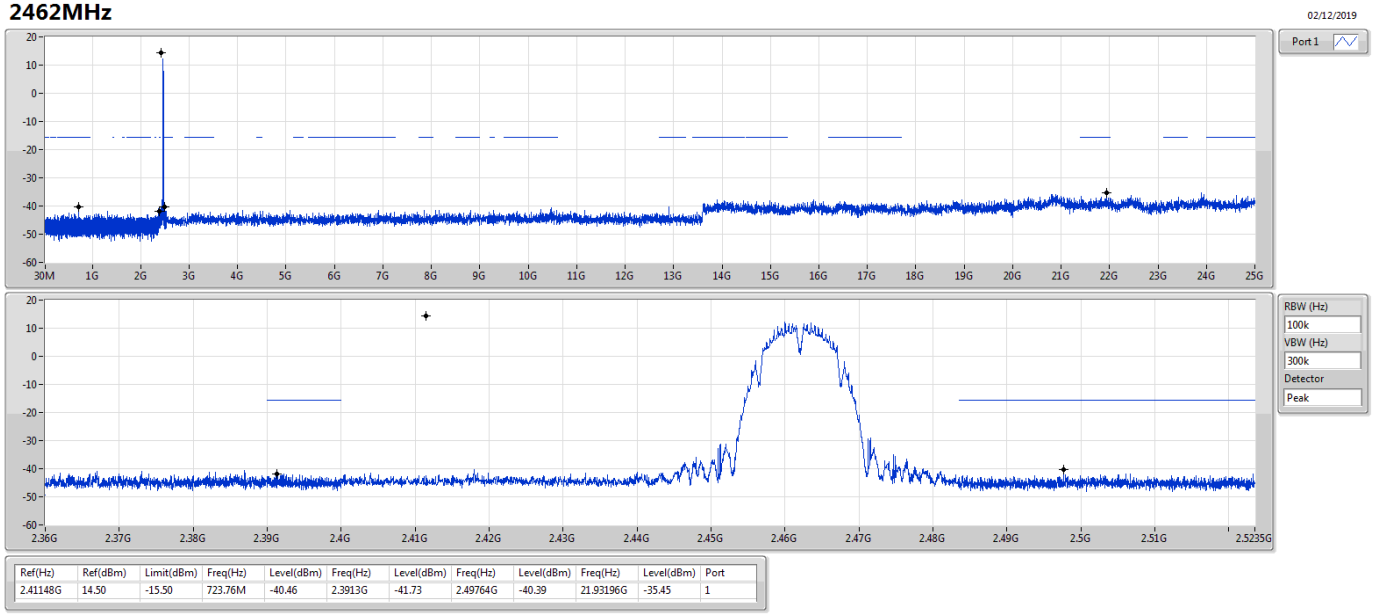
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	14.50	-15.50	698.71M	-40.56	2.39638G	-40.82	2.52202G	-41.13	21.87015G	-35.99	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

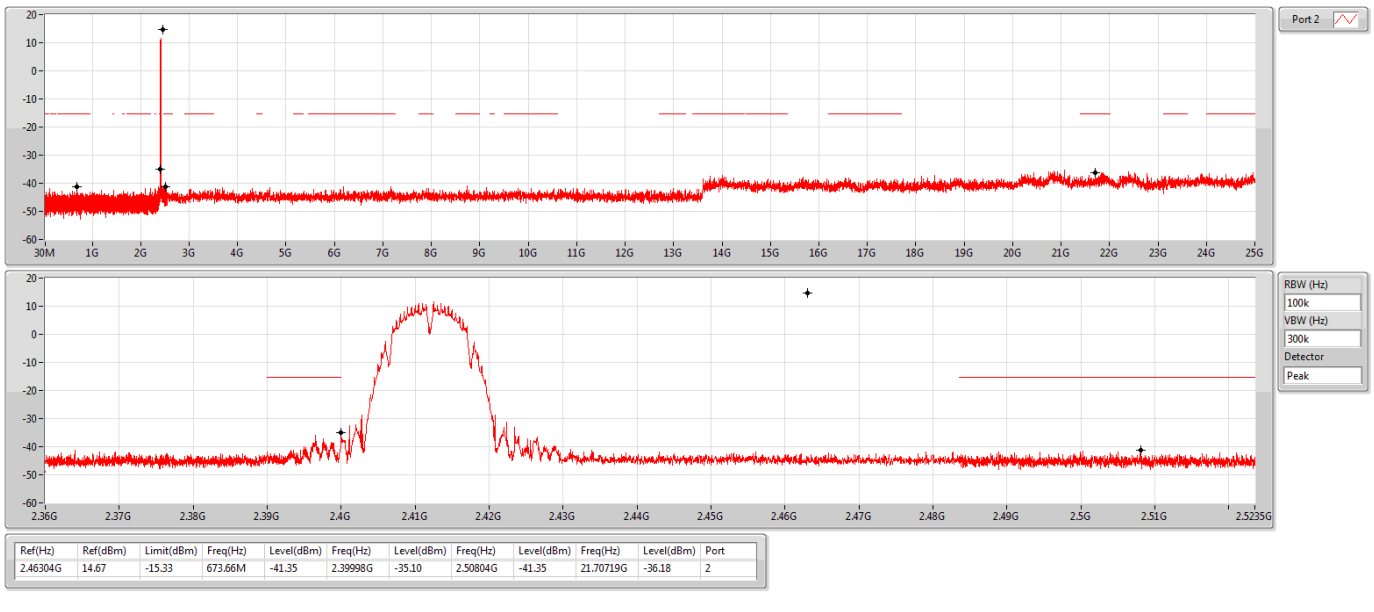
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	14.50	-15.50	723.76M	-40.46	2.3913G	-41.73	2.49764G	-40.39	21.93196G	-35.45	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

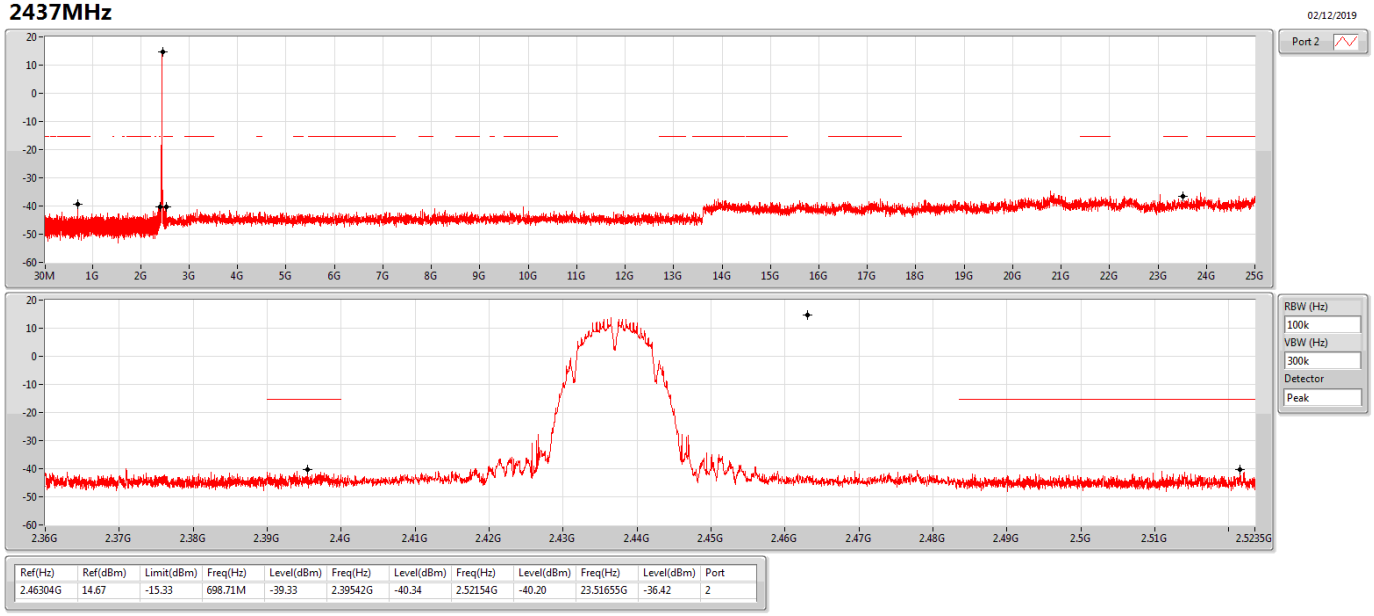
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46304G	14.67	-15.33	673.66M	-41.35	2.39998G	-35.10	2.50804G	-41.35	21.70719G	-36.18	2

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

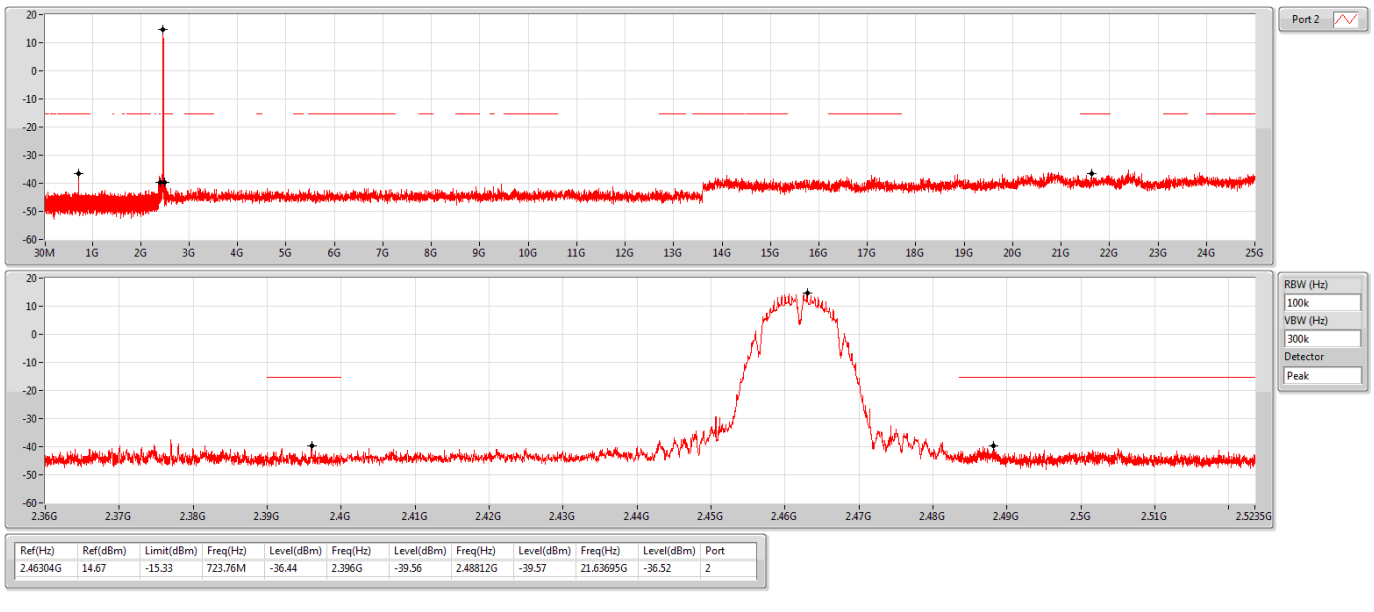
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46304G	14.67	-15.33	698.71M	-39.33	2.39542G	-40.34	2.52154G	-40.20	23.51655G	-36.42	2

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

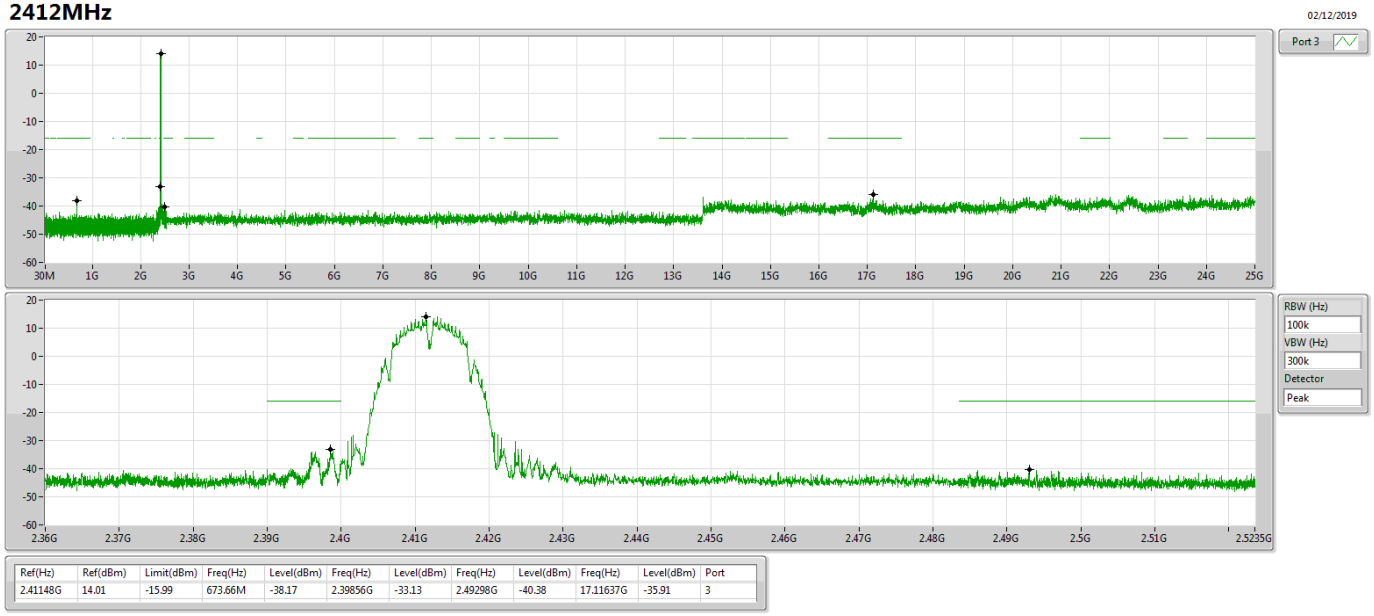
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46304G	14.67	-15.33	723.76M	-36.44	2.396G	-39.56	2.48812G	-39.57	21.63695G	-36.52	2

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

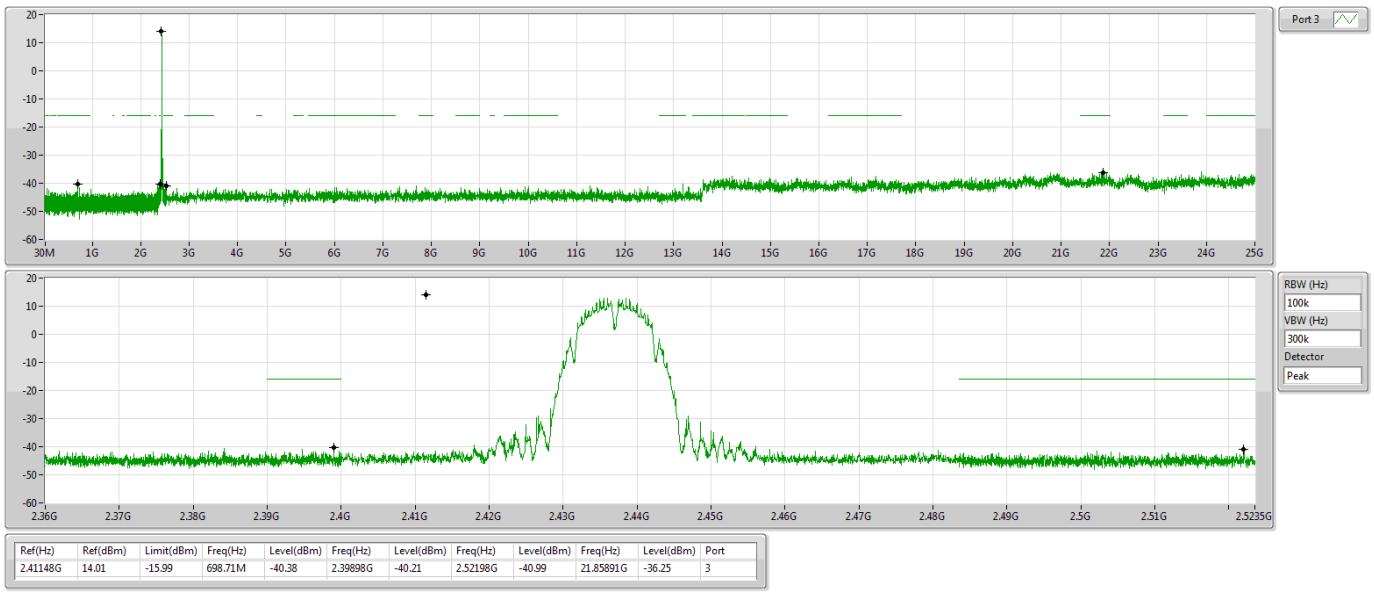
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	14.01	-15.99	673.66M	-38.17	2.39856G	-33.13	2.49298G	-40.38	17.11637G	-35.91	3

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

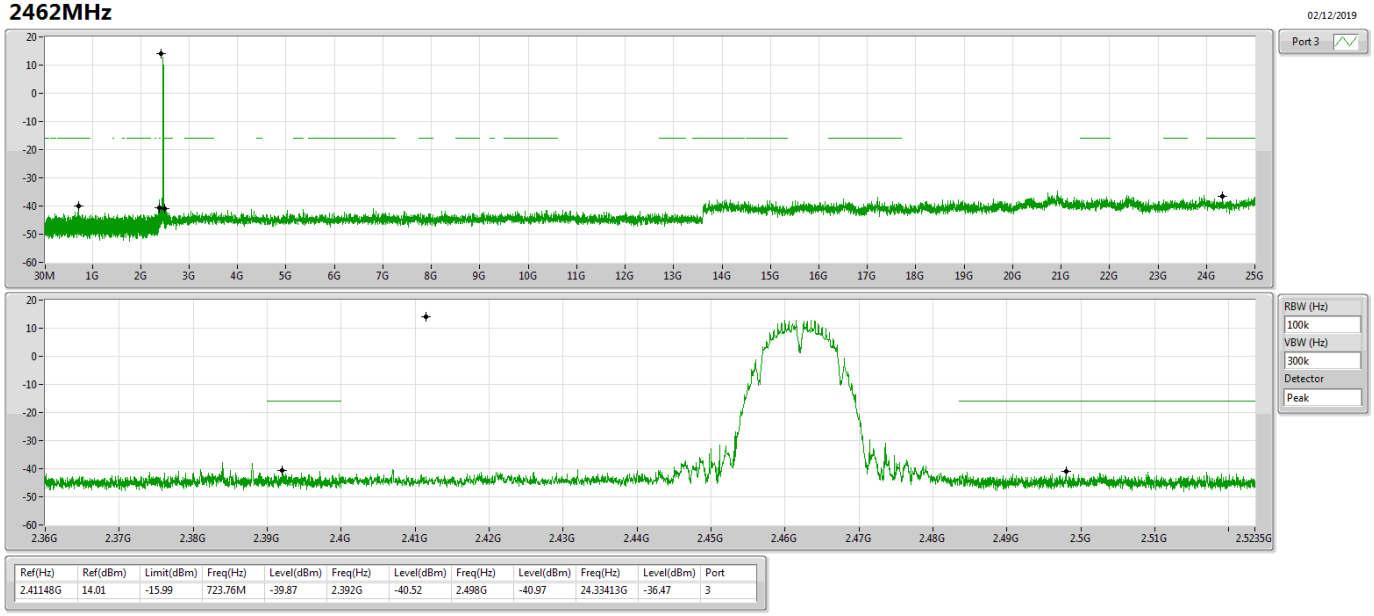
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	14.01	-15.99	698.71M	-40.38	2.39898G	-40.21	2.52198G	-40.99	21.85891G	-36.25	3

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

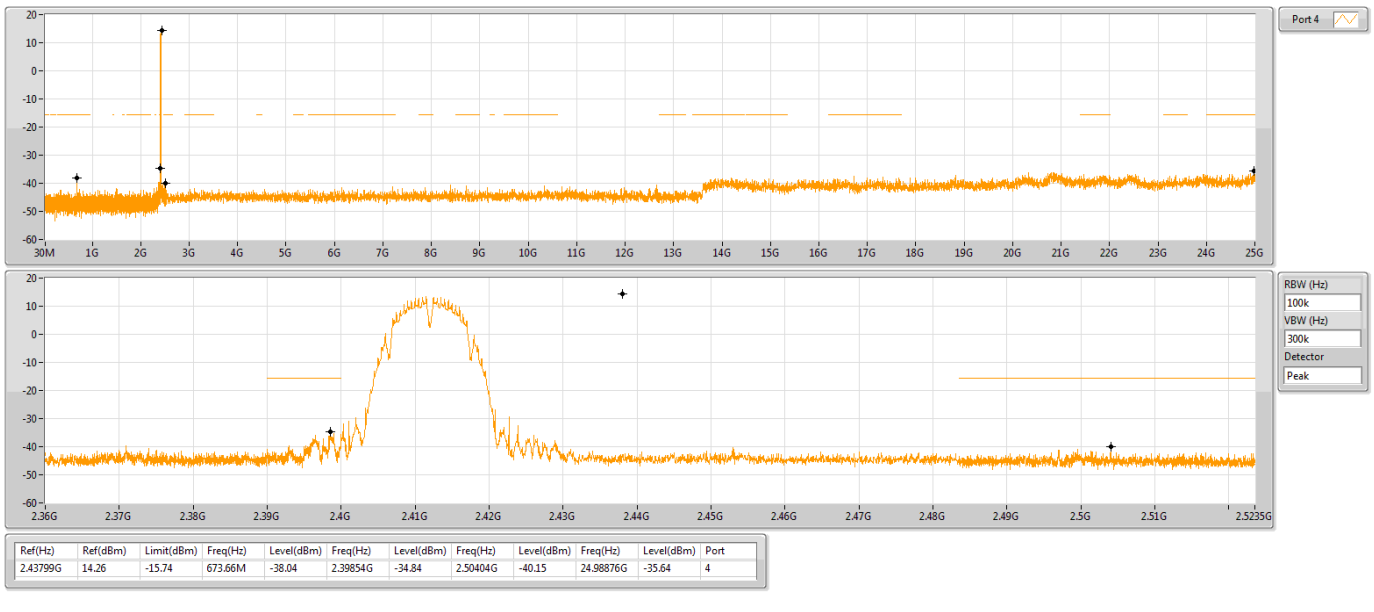
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	14.01	-15.99	723.76M	-39.87	2.392G	-40.52	2.498G	-40.97	24.33413G	-36.47	3

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

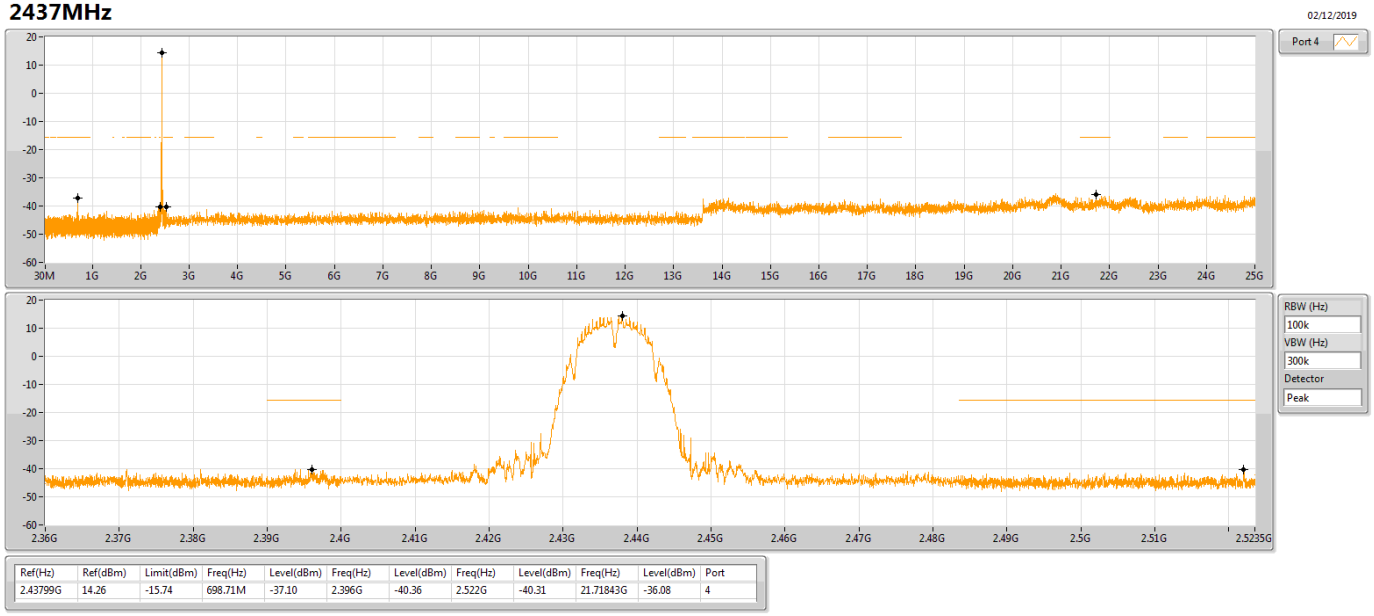
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43799G	14.26	-15.74	673.66M	-38.04	2.39854G	-34.84	2.50404G	-40.15	24.98876G	-35.64	4

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

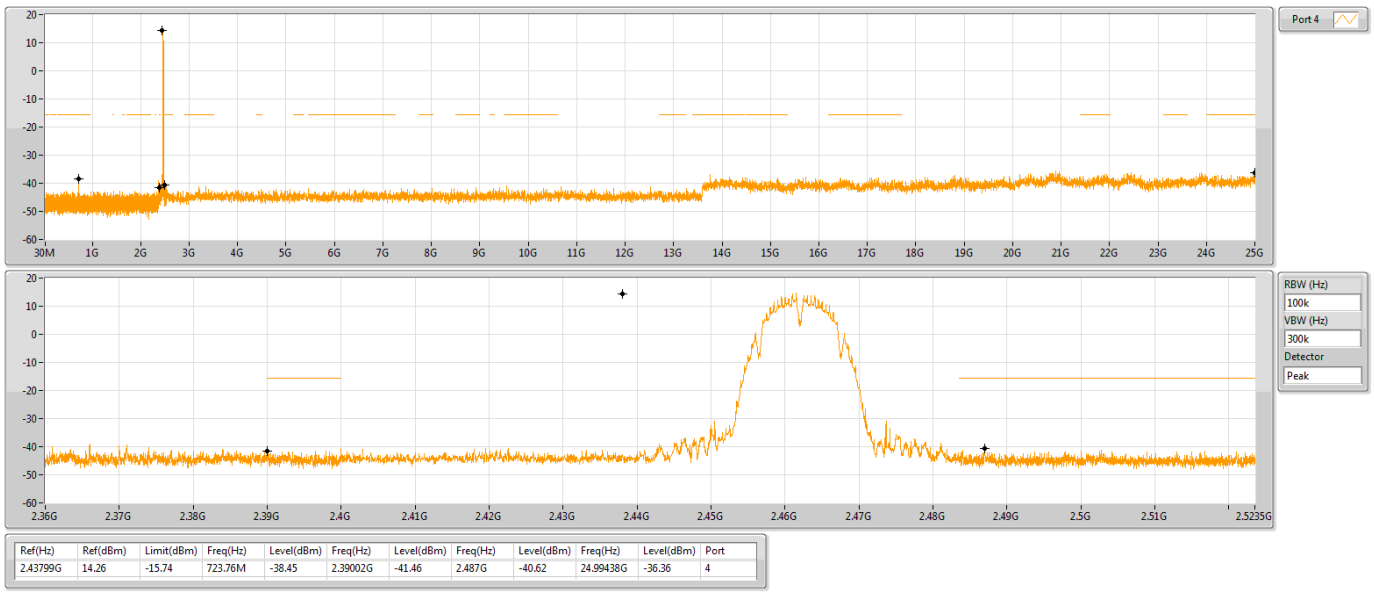
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43799G	14.26	-15.74	698.71M	-37.10	2.396G	-40.36	2.522G	-40.31	21.71843G	-36.08	4

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

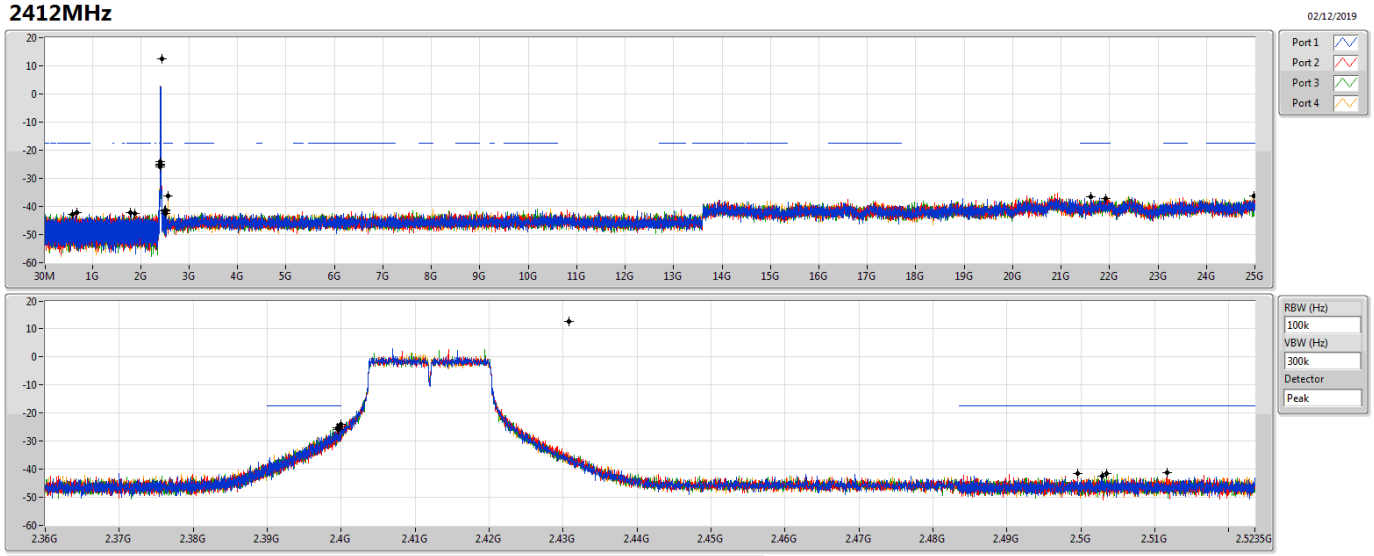
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43799G	14.26	-15.74	723.76M	-38.45	2.39002G	-41.46	2.487G	-40.62	24.99438G	-36.36	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

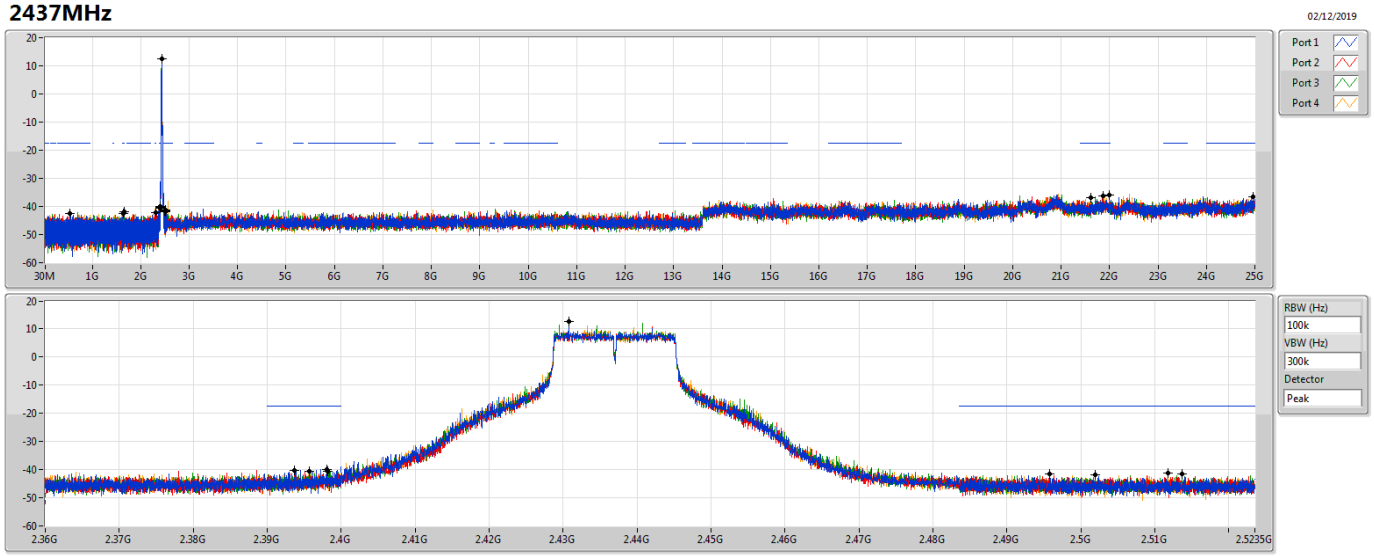
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.41	-17.59	598.23M	-42.81	2.39984G	-25.09	2.50282G	-42.48	21.62291G	-36.54	1
2.43073G	12.41	-17.59	1.88177G	-42.35	2.39964G	-26.06	2.5116G	-41.22	24.98033G	-36.28	2
2.43073G	12.41	-17.59	680.65M	-42.30	2.39948G	-25.20	2.50344G	-41.64	21.92634G	-37.24	3
2.43073G	12.41	-17.59	1.77867G	-42.09	2.39998G	-24.07	2.49956G	-41.70	2.56002G	-36.27	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

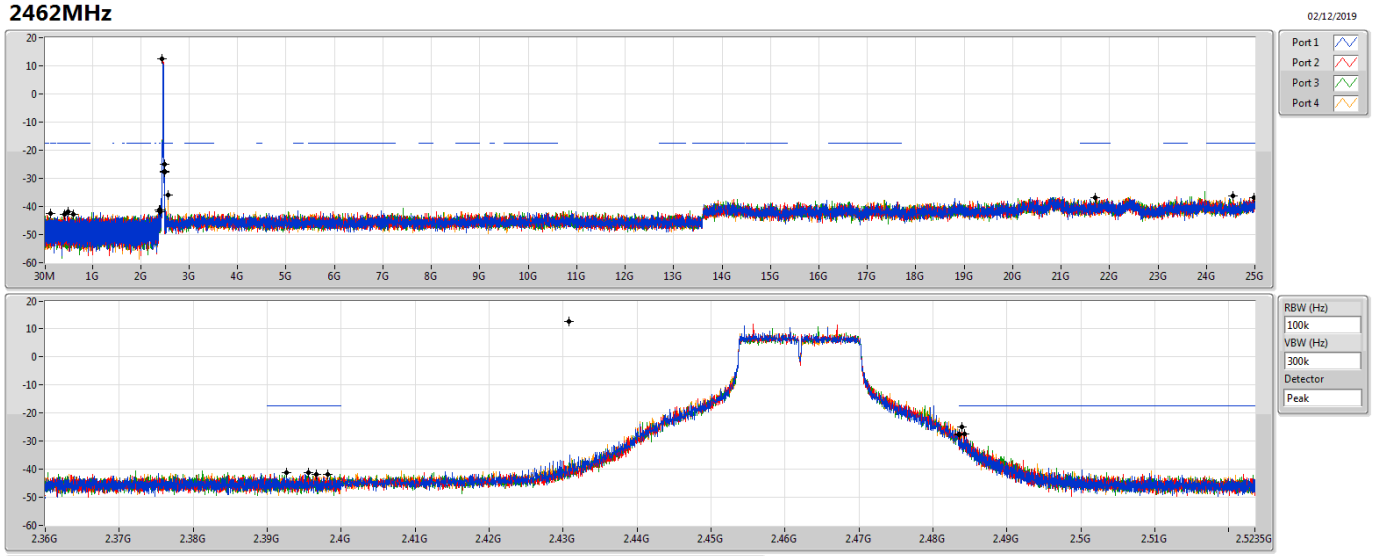
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.41	-17.59	531.82M	-42.44	2.39808G	-39.87	2.4958G	-41.67	24.96909G	-36.55	1
2.43073G	12.41	-17.59	2.30525G	-42.21	2.39366G	-40.45	2.50198G	-42.02	21.98815G	-36.06	2
2.43073G	12.41	-17.59	1.65401G	-42.03	2.39816G	-40.66	2.5136G	-41.56	21.85891G	-36.13	3
2.43073G	12.41	-17.59	1.63916G	-42.60	2.3957G	-40.69	2.51172G	-41.26	21.61729G	-36.75	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

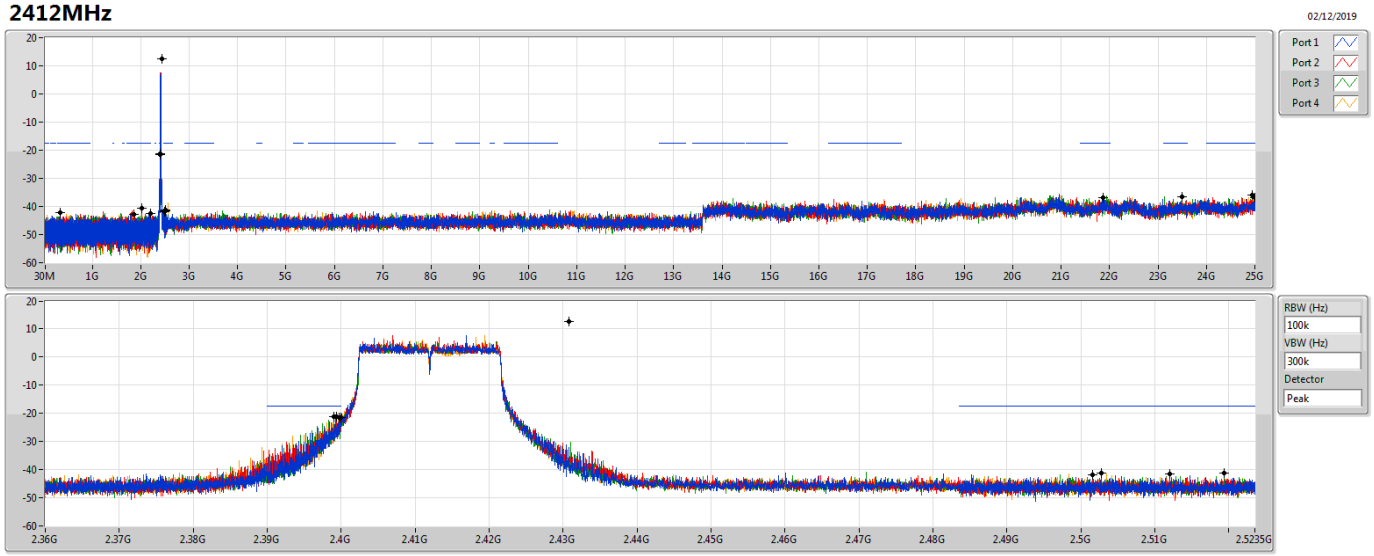
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.41	-17.59	604.35M	-42.75	2.39266G	-41.38	2.48422G	-27.39	21.71281G	-36.84	1
2.43073G	12.41	-17.59	509.11M	-41.78	2.39562G	-41.23	2.48388G	-25.08	24.54204G	-36.40	2
2.43073G	12.41	-17.59	421.15M	-42.76	2.39658G	-41.80	2.48356G	-27.60	24.98033G	-36.77	3
2.43073G	12.41	-17.59	140.68M	-42.39	2.39816G	-41.87	2.4836G	-27.71	2.56002G	-35.87	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.40	-17.60	336.4M	-42.16	2.39996G	-21.59	2.51204G	-41.61	24.99719G	-36.99	1
2.43073G	12.40	-17.60	2.02594G	-40.48	2.3994G	-21.23	2.5016G	-41.75	21.87015G	-36.84	2
2.43073G	12.40	-17.60	1.86662G	-42.92	2.39904G	-21.33	2.51938G	-41.36	24.94943G	-35.89	3
2.43073G	12.40	-17.60	2.19719G	-42.43	2.3997G	-21.43	2.5028G	-41.16	23.49688G	-36.66	4

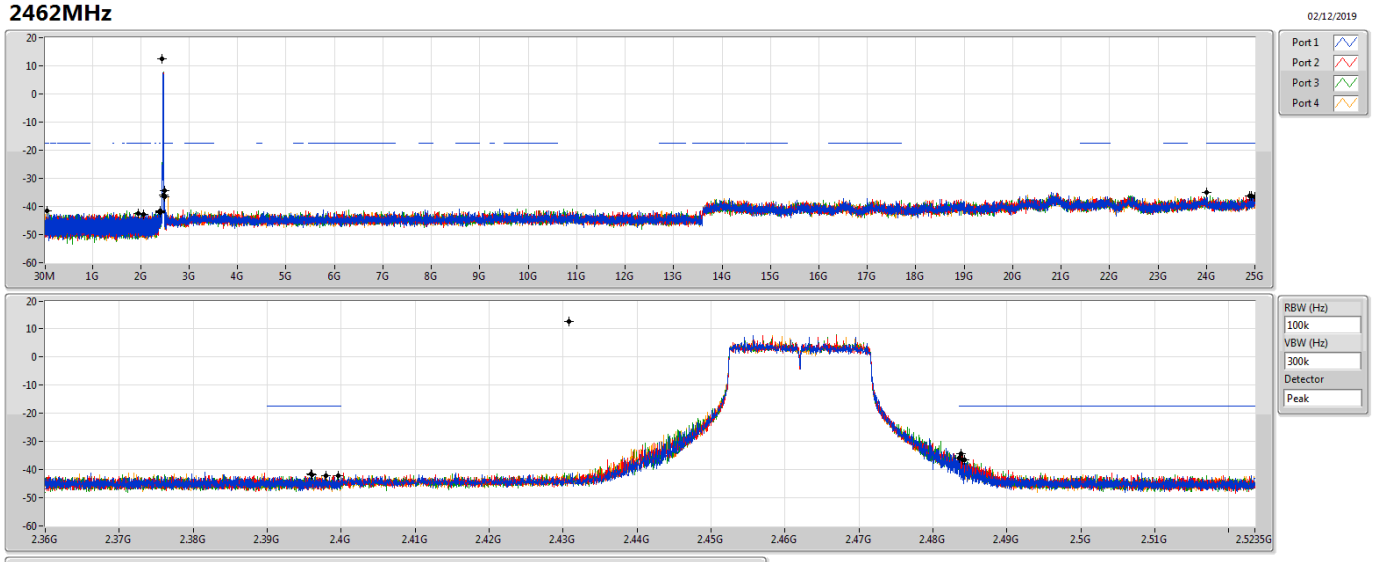
802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

2437MHz

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.40	-17.60	39.03M	-42.36	2.3997G	-39.49	2.48912G	-41.26	24.21332G	-35.83	1
2.43073G	12.40	-17.60	208.83M	-42.10	2.39964G	-39.14	2.52224G	-40.48	23.59803G	-36.30	2
2.43073G	12.40	-17.60	687.64M	-41.26	2.39974G	-38.90	2.4902G	-41.26	21.40938G	-36.38	3
2.43073G	12.40	-17.60	366.1M	-41.75	2.39604G	-37.91	2.48484G	-41.17	2.56002G	-34.70	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

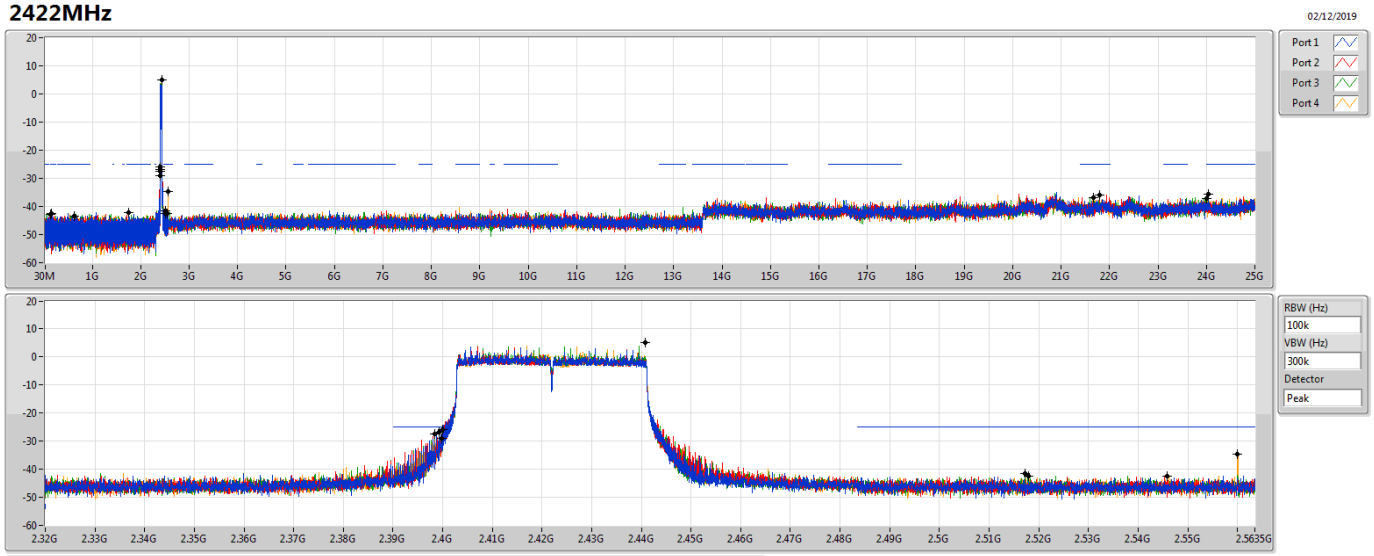
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.40	-17.60	64.95M	-41.47	2.39792G	-42.34	2.48398G	-36.45	24.91852G	-36.37	1
2.43073G	12.40	-17.60	2.05302G	-42.80	2.39608G	-42.02	2.4838G	-34.31	24.99438G	-36.53	2
2.43073G	12.40	-17.60	69.9M	-41.64	2.39588G	-41.41	2.48422G	-36.41	24.00822G	-35.15	3
2.43073G	12.40	-17.60	1.94147G	-42.55	2.39958G	-42.12	2.48354G	-35.94	24.89886G	-36.28	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

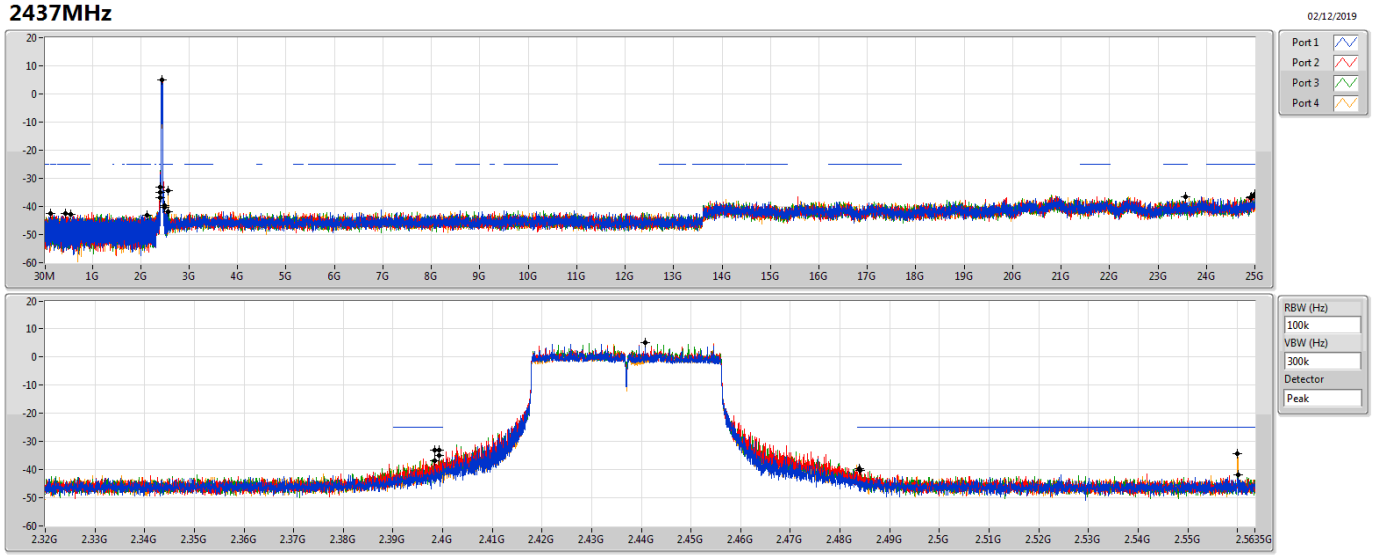
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	4.86	-25.14	1.74263G	-42.16	2.39996G	-25.80	2.51798G	-42.42	24.04645G	-35.67	1
2.44075G	4.86	-25.14	627.98M	-43.36	2.39928G	-26.76	2.54586G	-42.35	21.79999G	-35.97	2
2.44075G	4.86	-25.14	152.23M	-42.65	2.39844G	-27.45	2.5173G	-41.62	24.00438G	-37.21	3
2.44075G	4.86	-25.14	143.36M	-42.77	2.3998G	-28.96	2.56002G	-34.72	21.66538G	-36.77	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

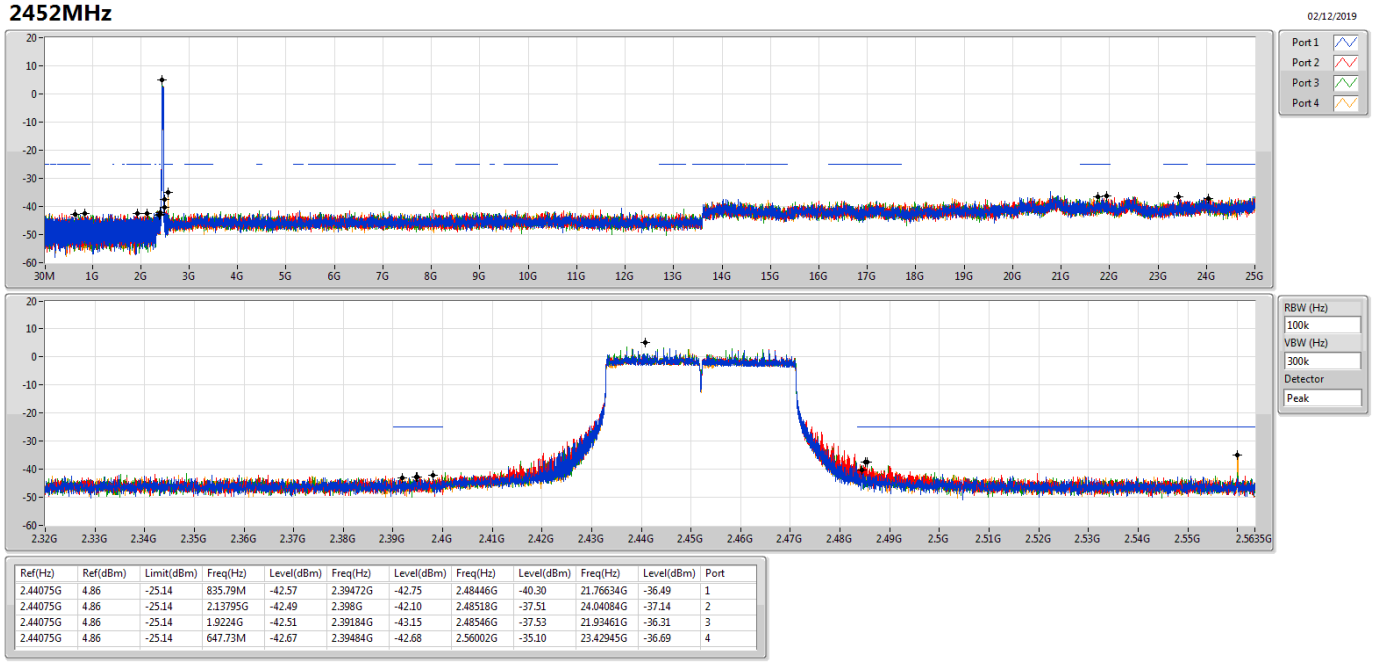
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	4.86	-25.14	145.36M	-42.48	2.39836G	-36.91	2.56006G	-41.74	24.91586G	-36.87	1
2.44075G	4.86	-25.14	450.22M	-42.39	2.39832G	-33.04	2.48398G	-40.33	23.57528G	-36.46	2
2.44075G	4.86	-25.14	2.12879G	-43.08	2.3992G	-33.04	2.48382G	-39.72	24.99439G	-35.78	3
2.44075G	4.86	-25.14	547.25M	-42.87	2.39924G	-35.06	2.56002G	-34.48	24.92428G	-36.50	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

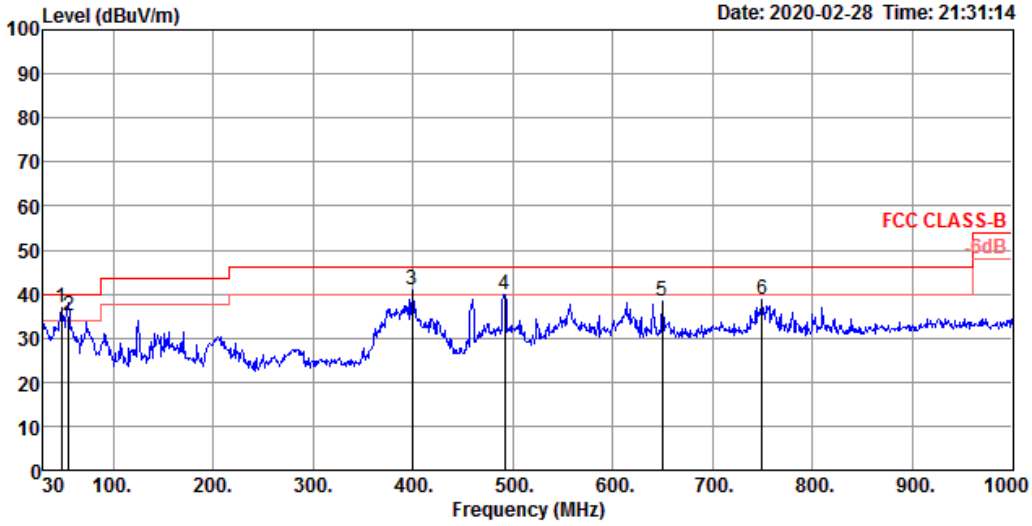
2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	4.86	-25.14	835.79M	-42.57	2.39472G	-42.75	2.48446G	-40.30	21.76634G	-36.49	1
2.44075G	4.86	-25.14	2.13795G	-42.49	2.398G	-42.10	2.48518G	-37.51	24.04084G	-37.14	2
2.44075G	4.86	-25.14	1.9224G	-42.51	2.39184G	-43.15	2.48546G	-37.53	21.93461G	-36.31	3
2.44075G	4.86	-25.14	647.73M	-42.67	2.39484G	-42.68	2.56002G	-35.10	23.42945G	-36.69	4

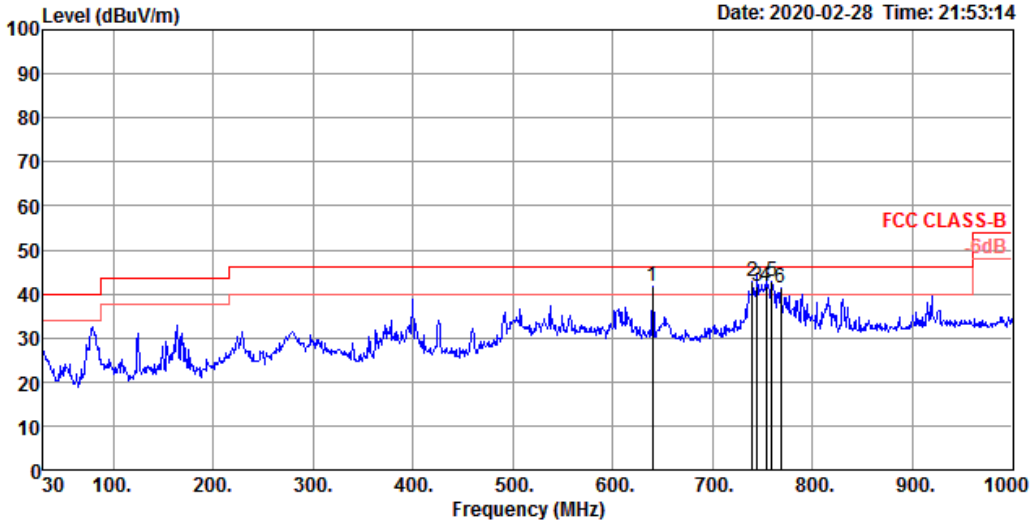
Test Mode	Mode 1	Frequency Range	30 MHz to 1,000 MHz

Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	48.43	36.82	40.00	-3.18	52.14	0.92	15.46	31.70	100	226	Peak	VERTICAL
2	55.22	35.08	40.00	-4.92	52.34	0.92	13.62	31.80	100	24	QP	VERTICAL
3	399.57	40.97	46.00	-5.03	48.13	2.56	22.47	32.19	150	343	Peak	VERTICAL
4	491.72	39.94	46.00	-6.06	45.79	2.91	23.69	32.45	125	142	Peak	VERTICAL
5	649.83	38.46	46.00	-7.54	42.25	3.25	25.50	32.54	125	342	Peak	VERTICAL
6	749.74	38.73	46.00	-7.27	41.22	3.64	26.20	32.33	100	130	Peak	VERTICAL

Horizontal 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	640.13	41.57	46.00	-4.43	45.41	3.26	25.40	32.50	150	74	Peak	HORIZONTAL
2	740.04	42.85	46.00	-3.15	45.52	3.61	26.08	32.36	100	160	Peak	HORIZONTAL
3	744.89	41.78	46.00	-4.22	44.36	3.63	26.14	32.35	189	100	QP	HORIZONTAL
4	753.62	41.55	46.00	-4.45	44.00	3.65	26.23	32.33	124	100	QP	HORIZONTAL
5	759.44	42.94	46.00	-3.06	45.30	3.66	26.31	32.33	300	71	Peak	HORIZONTAL
6	768.17	41.25	46.00	-4.75	43.51	3.67	26.39	32.32	200	94	Peak	HORIZONTAL

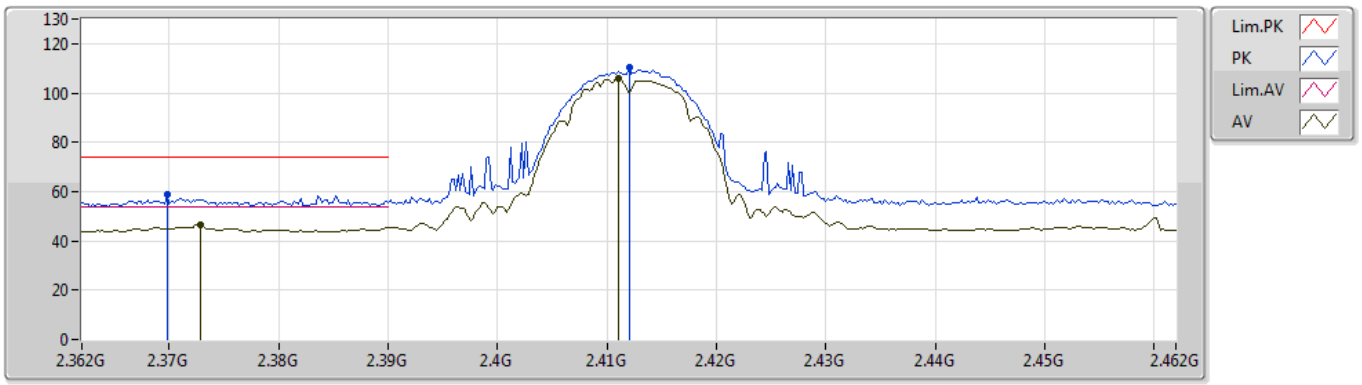
Summary

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)_1TX	Pass	AV	4.92398G	53.98	54.00	-0.02	3.92	3	Vertical	91	1.46	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



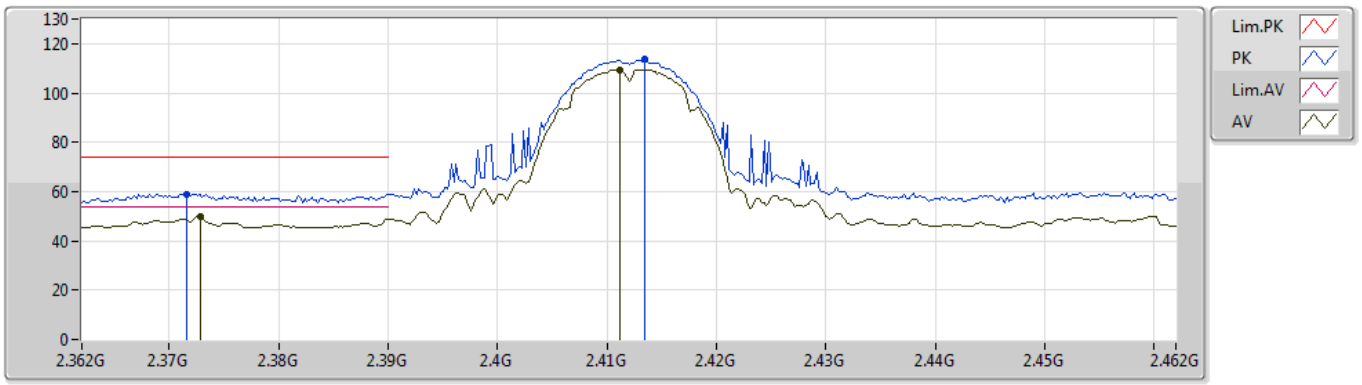
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3698G	59.06	74.00	-14.94	30.13	3	Vertical	68	1.45	-	28.93
AV	2.3728G	46.56	54.00	-7.44	30.13	3	Vertical	68	1.45	-	16.43
PK	2.412G	110.49	Inf	-Inf	30.16	3	Vertical	68	1.45	-	80.33
AV	2.411G	106.15	Inf	-Inf	30.15	3	Vertical	68	1.45	-	76.00

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



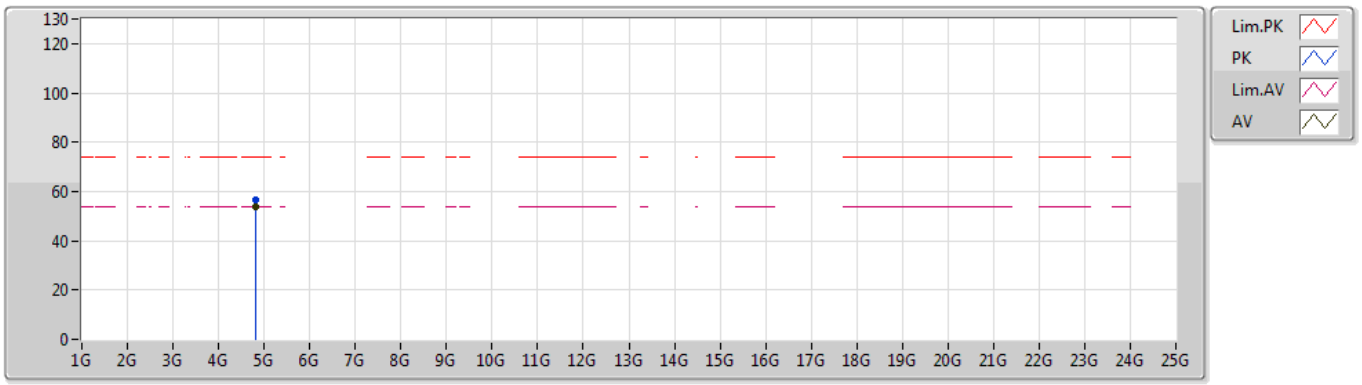
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3716G	59.06	74.00	-14.94	30.13	3	Horizontal	152	1.63	-	28.93
AV	2.3728G	49.99	54.00	-4.01	30.13	3	Horizontal	152	1.63	-	19.86
PK	2.4134G	113.99	Inf	-Inf	30.16	3	Horizontal	152	1.63	-	83.83
AV	2.4112G	109.47	Inf	-Inf	30.15	3	Horizontal	152	1.63	-	79.32

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



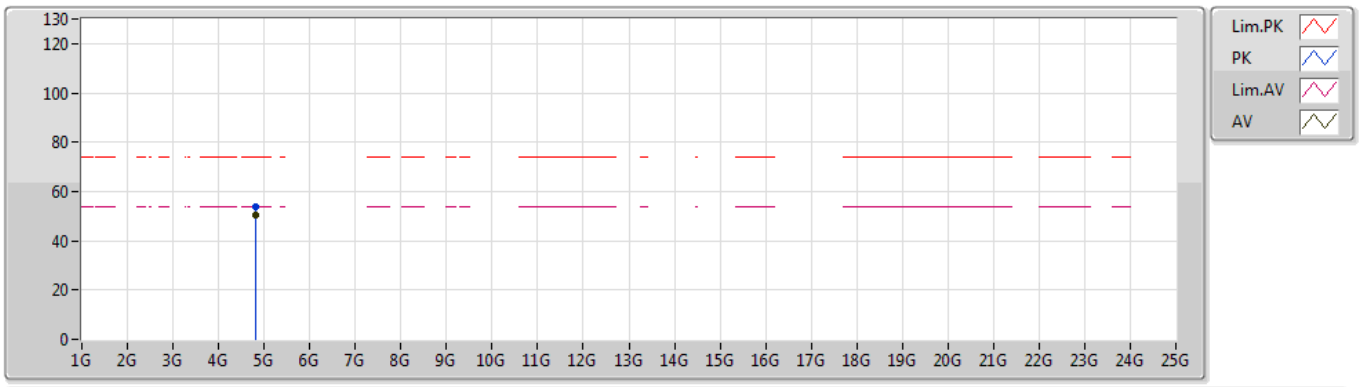
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82391G	56.42	74.00	-17.58	3.48	3	Vertical	98	1.57	-	52.94
AV	4.82398G	53.78	54.00	-0.22	3.48	3	Vertical	98	1.57	-	50.30

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



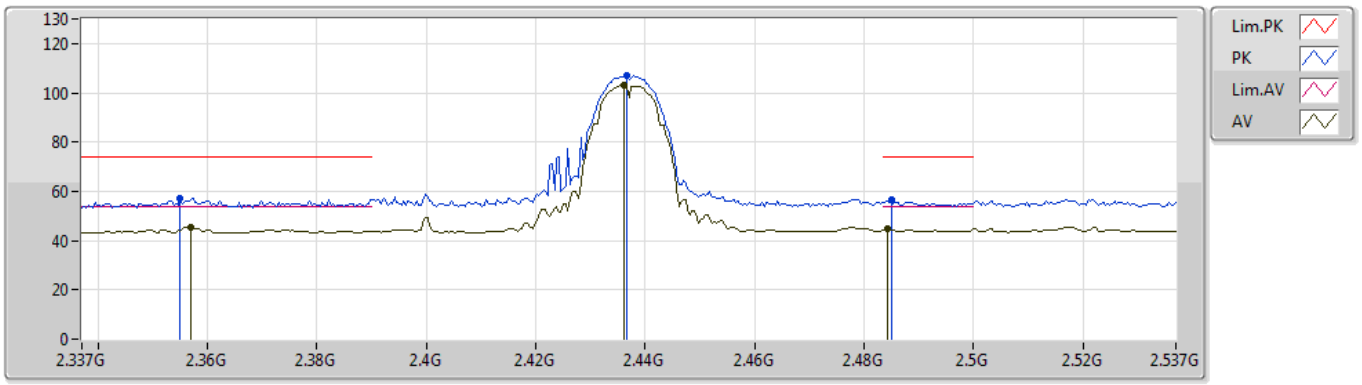
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82394G	54.06	74.00	-19.94	3.48	3	Horizontal	79	1.60	-	50.58
AV	4.82394G	50.52	54.00	-3.48	3.48	3	Horizontal	79	1.60	-	47.04

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



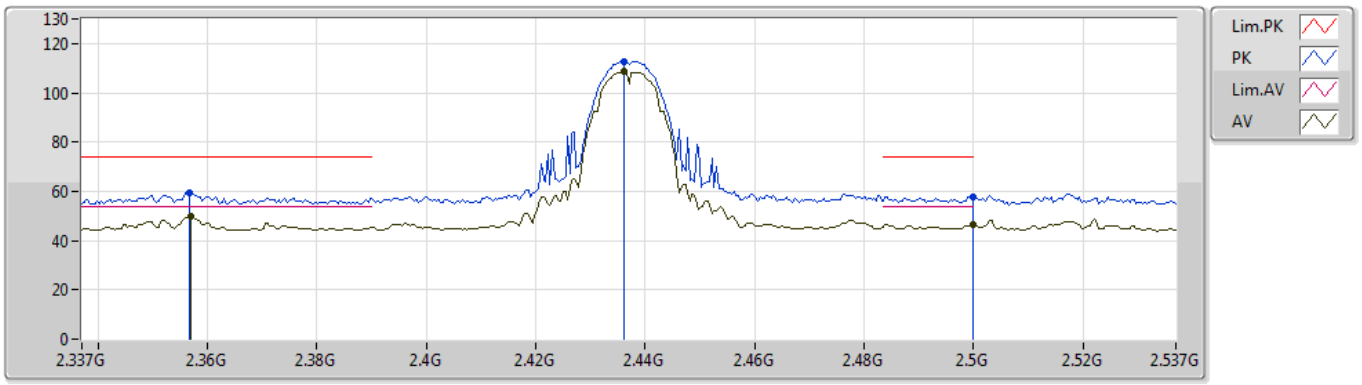
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.355G	57.28	74.00	-16.72	30.15	3	Vertical	59	1.49	-	27.13
AV	2.357G	45.29	54.00	-8.71	30.14	3	Vertical	59	1.49	-	15.15
PK	2.4366G	107.21	Inf	-Inf	30.27	3	Vertical	59	1.49	-	76.94
AV	2.4362G	103.06	Inf	-Inf	30.26	3	Vertical	59	1.49	-	72.80
PK	2.485G	56.74	74.00	-17.26	30.48	3	Vertical	59	1.49	-	26.26
AV	2.4842G	44.70	54.00	-9.30	30.48	3	Vertical	59	1.49	-	14.22

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



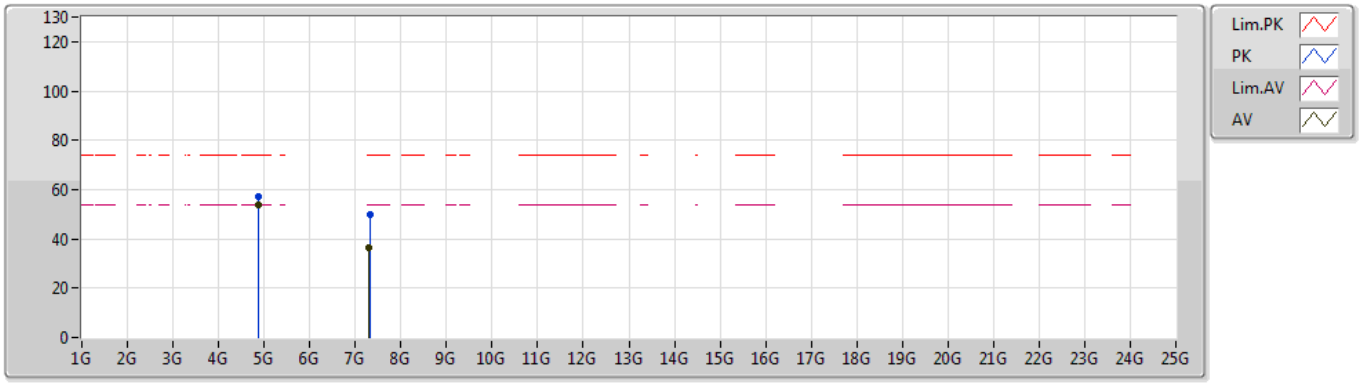
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3566G	59.54	74.00	-14.46	30.14	3	Horizontal	151	1.49	-	29.40
AV	2.357G	49.71	54.00	-4.29	30.14	3	Horizontal	151	1.49	-	19.57
PK	2.4362G	112.88	Inf	-Inf	30.26	3	Horizontal	151	1.49	-	82.62
AV	2.4362G	108.53	Inf	-Inf	30.26	3	Horizontal	151	1.49	-	78.27
PK	2.4998G	57.85	74.00	-16.15	30.55	3	Horizontal	151	1.49	-	27.30
AV	2.4998G	46.52	54.00	-7.48	30.55	3	Horizontal	151	1.49	-	15.97

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



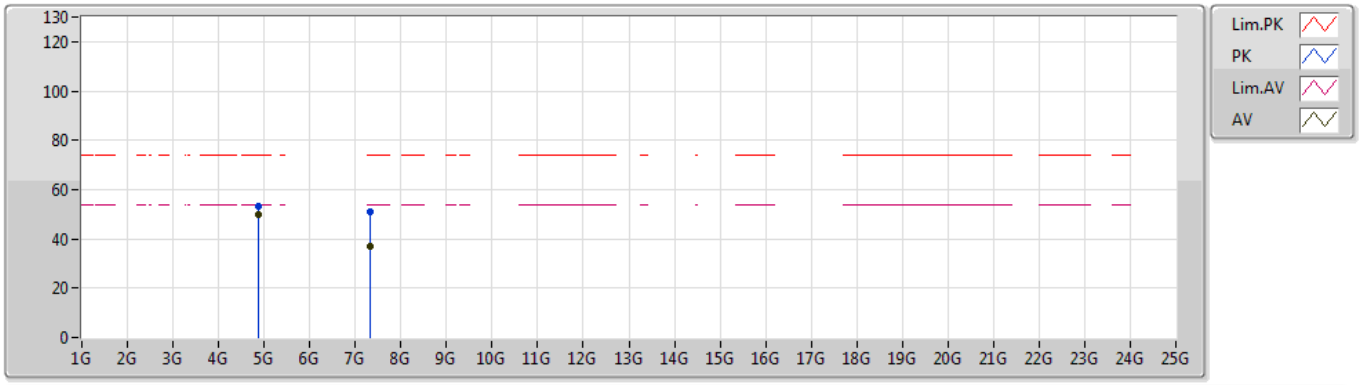
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87414G	56.95	74.00	-17.05	3.73	3	Vertical	87	1.53	-	53.22
AV	4.87398G	53.78	54.00	-0.22	3.73	3	Vertical	87	1.53	-	50.05
PK	7.31752G	49.93	74.00	-24.07	9.58	3	Vertical	149	1.50	-	40.35
AV	7.30136G	36.16	54.00	-17.84	9.58	3	Vertical	149	1.50	-	26.58

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



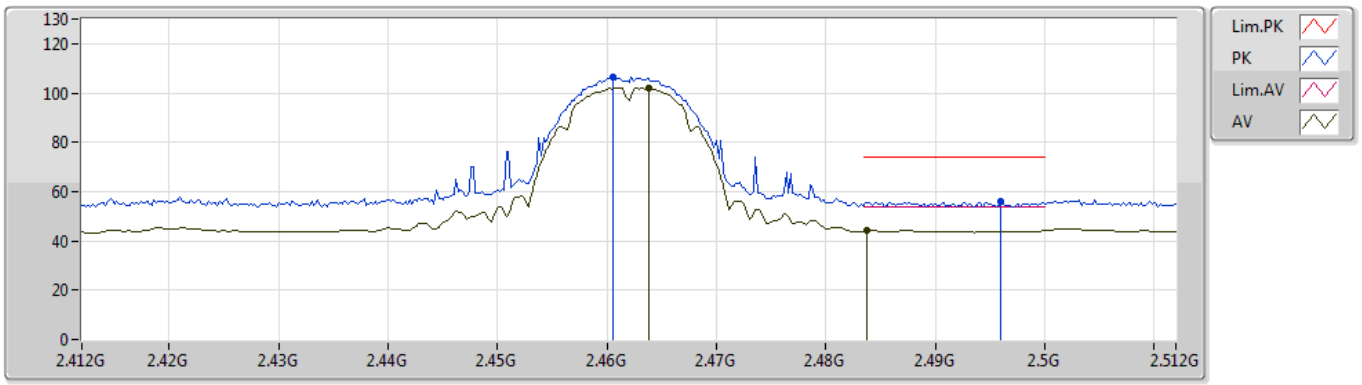
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87394G	53.26	74.00	-20.74	3.73	3	Horizontal	78	1.46	-	49.53
AV	4.87398G	49.80	54.00	-4.20	3.73	3	Horizontal	78	1.46	-	46.07
PK	7.31344G	50.78	74.00	-23.22	9.57	3	Horizontal	358	1.84	-	41.21
AV	7.31176G	36.77	54.00	-17.23	9.59	3	Horizontal	358	1.84	-	27.18

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



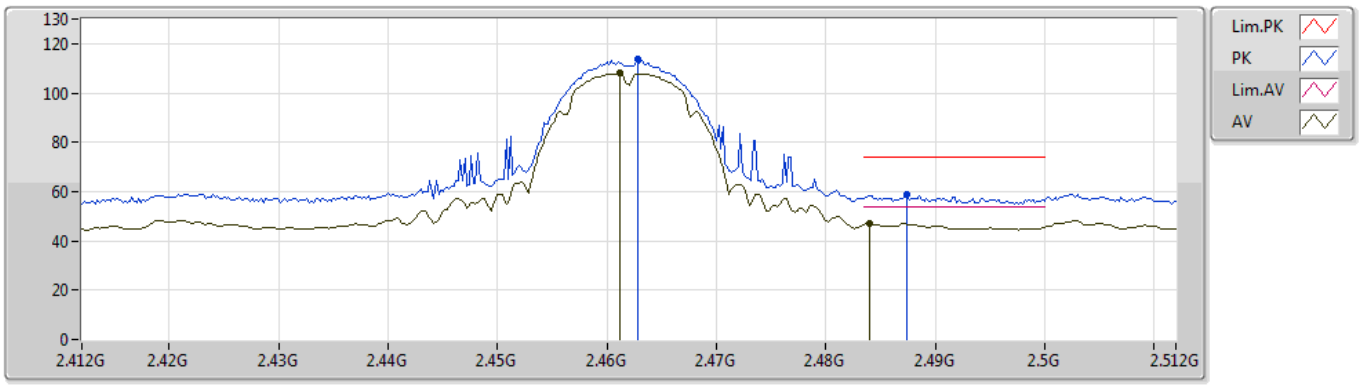
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4606G	106.71	Inf	-Inf	30.37	3	Vertical	77	1.24	-	76.34
AV	2.4638G	102.08	Inf	-Inf	30.39	3	Vertical	77	1.24	-	71.69
PK	2.496G	55.76	74.00	-18.24	30.53	3	Vertical	77	1.24	-	25.23
AV	2.4838G	44.38	54.00	-9.62	30.48	3	Vertical	77	1.24	-	13.90

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



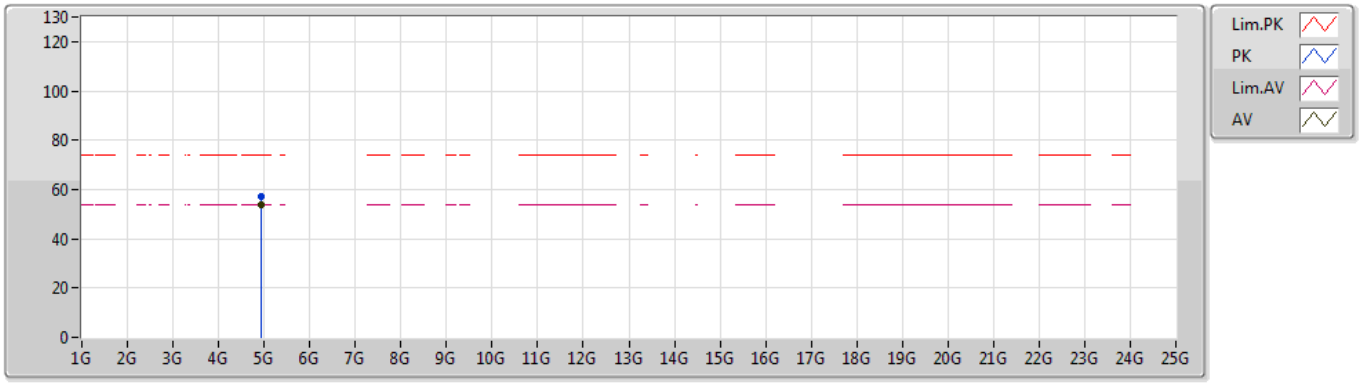
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4628G	113.99	Inf	-Inf	30.38	3	Horizontal	151	1.33	-	83.61
AV	2.4612G	108.01	Inf	-Inf	30.37	3	Horizontal	151	1.33	-	77.64
PK	2.4874G	58.98	74.00	-15.02	30.49	3	Horizontal	151	1.33	-	28.49
AV	2.484G	47.18	54.00	-6.82	30.48	3	Horizontal	151	1.33	-	16.70

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



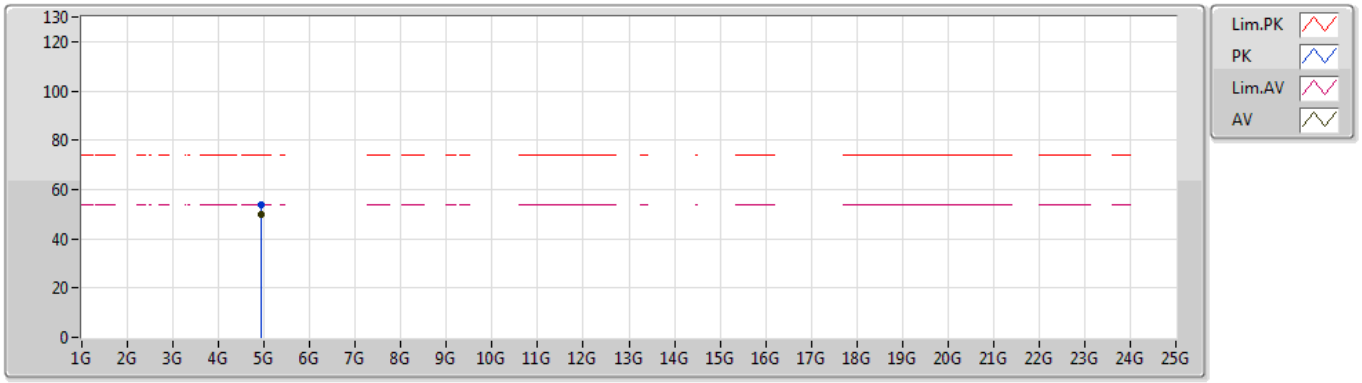
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92387G	56.98	74.00	-17.02	3.92	3	Vertical	91	1.46	-	53.06
AV	4.92398G	53.98	54.00	-0.02	3.92	3	Vertical	91	1.46	-	50.06

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



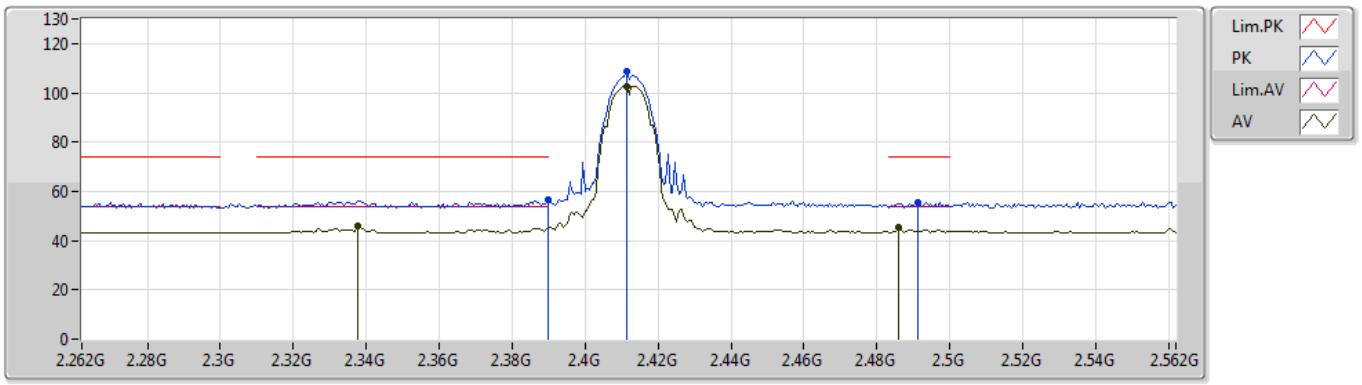
EUT Y_1TX_ANT0
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92393G	53.63	74.00	-20.37	3.92	3	Horizontal	139	1.73	-	49.71
AV	4.92397G	49.82	54.00	-4.18	3.92	3	Horizontal	139	1.73	-	45.90

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



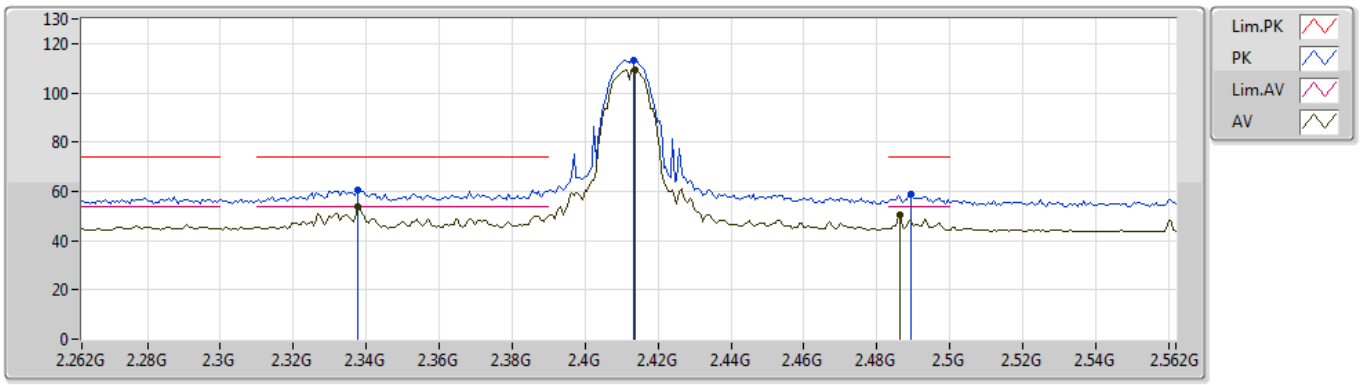
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	56.35	74.00	-17.65	30.11	3	Vertical	328	2.99	-	26.24
AV	2.3376G	46.17	54.00	-7.83	30.16	3	Vertical	328	2.99	-	16.01
PK	2.4114G	108.65	Inf	-Inf	30.16	3	Vertical	328	2.99	-	78.49
AV	2.4114G	102.79	Inf	-Inf	30.16	3	Vertical	328	2.99	-	72.63
PK	2.4912G	55.70	74.00	-18.30	30.51	3	Vertical	328	2.99	-	25.19
AV	2.4858G	45.17	54.00	-8.83	30.48	3	Vertical	328	2.99	-	14.69

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



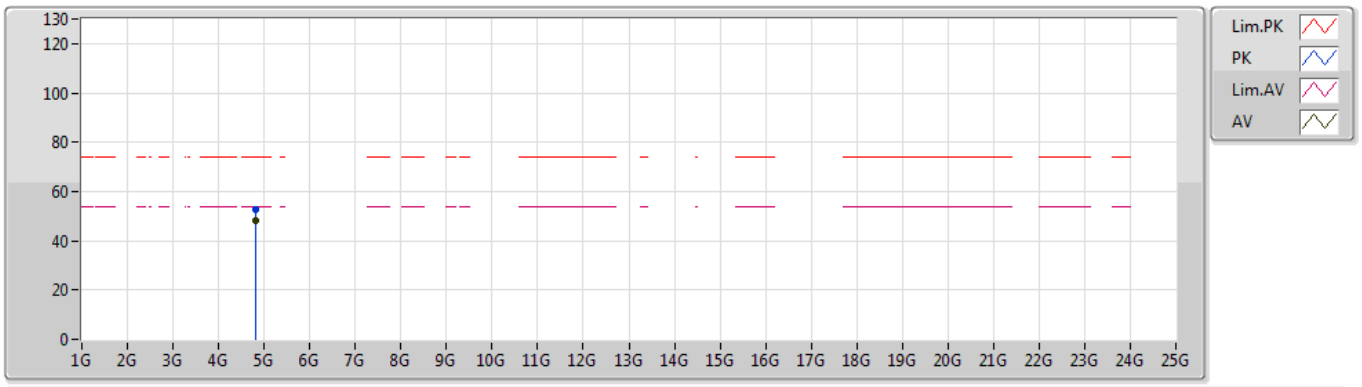
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3376G	60.57	74.00	-13.43	30.16	3	Horizontal	280	1.82	-	30.41
AV	2.3376G	53.91	54.00	-0.09	30.16	3	Horizontal	280	1.82	-	23.75
PK	2.4132G	113.38	Inf	-Inf	30.16	3	Horizontal	280	1.82	-	83.22
AV	2.4138G	109.21	Inf	-Inf	30.17	3	Horizontal	280	1.82	-	79.04
PK	2.4894G	58.59	74.00	-15.41	30.50	3	Horizontal	280	1.82	-	28.09
AV	2.4864G	50.16	54.00	-3.84	30.49	3	Horizontal	280	1.82	-	19.67

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



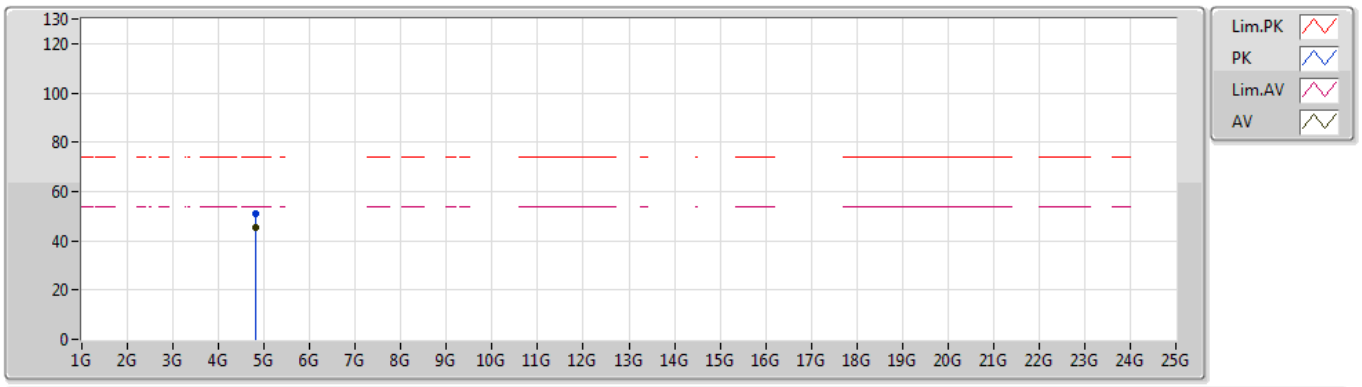
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.824G	52.82	74.00	-21.18	3.48	3	Vertical	99	1.49	-	49.34
AV	4.82394G	48.34	54.00	-5.66	3.48	3	Vertical	99	1.49	-	44.86

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



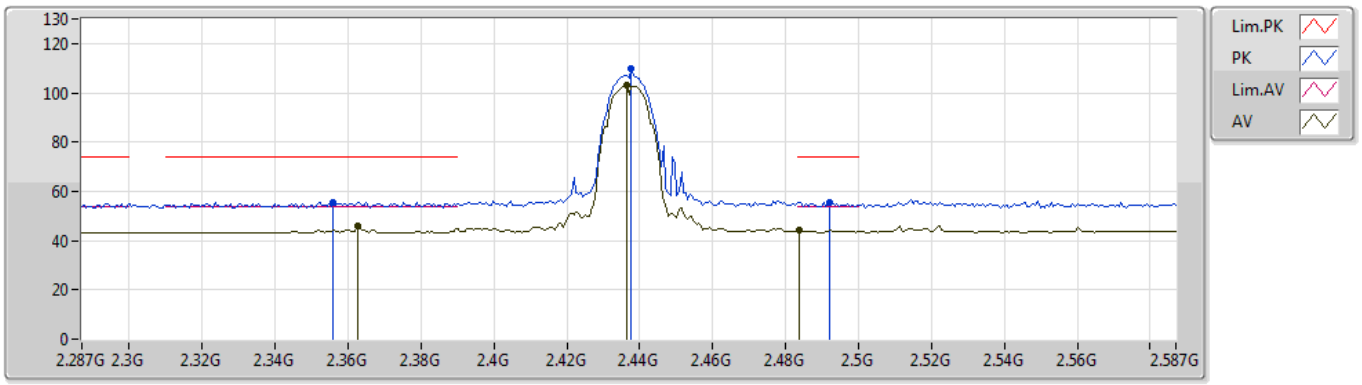
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82396G	50.95	74.00	-23.05	3.48	3	Horizontal	80	1.67	-	47.47
AV	4.82396G	45.34	54.00	-8.66	3.48	3	Horizontal	80	1.67	-	41.86

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



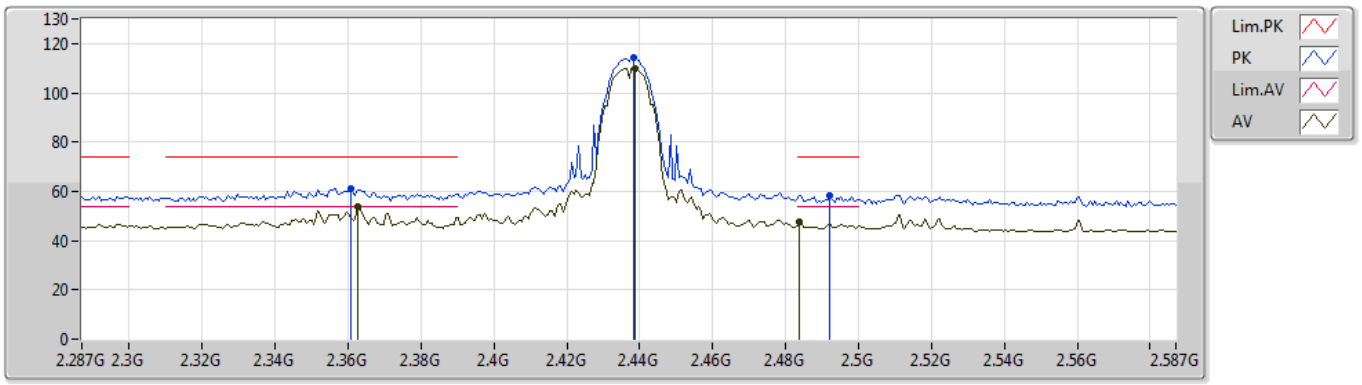
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.356G	55.71	74.00	-18.29	30.14	3	Vertical	324	2.92	-	25.57
AV	2.3626G	45.67	54.00	-8.33	30.14	3	Vertical	324	2.92	-	15.53
PK	2.4376G	109.57	Inf	-Inf	30.27	3	Vertical	324	2.92	-	79.30
AV	2.4364G	102.85	Inf	-Inf	30.27	3	Vertical	324	2.92	-	72.58
PK	2.4922G	55.52	74.00	-18.48	30.52	3	Vertical	324	2.92	-	25.00
AV	2.4838G	44.47	54.00	-9.53	30.48	3	Vertical	324	2.92	-	13.99

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



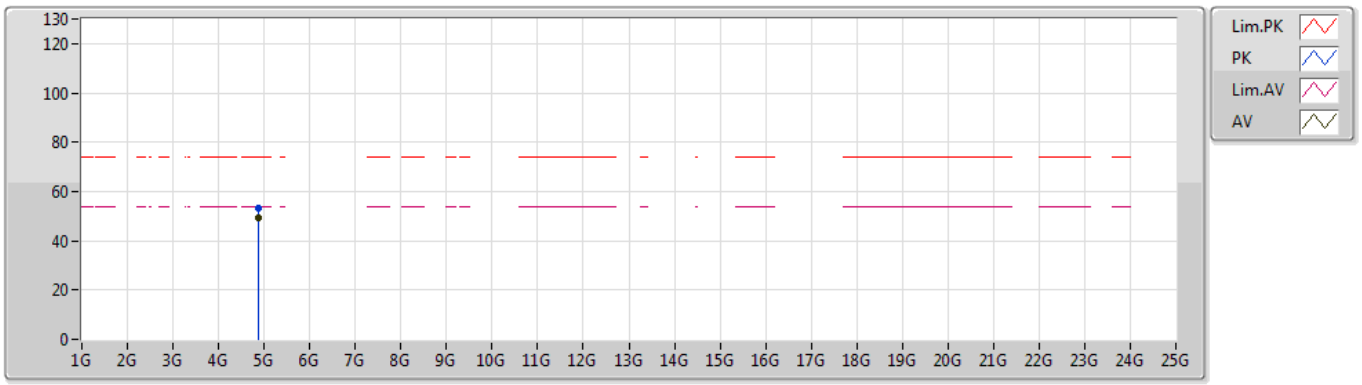
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3608G	61.10	74.00	-12.90	30.14	3	Horizontal	282	1.71	-	30.96
AV	2.3626G	53.94	54.00	-0.06	30.14	3	Horizontal	282	1.71	-	23.80
PK	2.4382G	114.16	Inf	-Inf	30.27	3	Horizontal	282	1.71	-	83.89
AV	2.4388G	110.07	Inf	-Inf	30.28	3	Horizontal	282	1.71	-	79.79
PK	2.4922G	58.46	74.00	-15.54	30.52	3	Horizontal	282	1.71	-	27.94
AV	2.4838G	47.77	54.00	-6.23	30.48	3	Horizontal	282	1.71	-	17.29

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



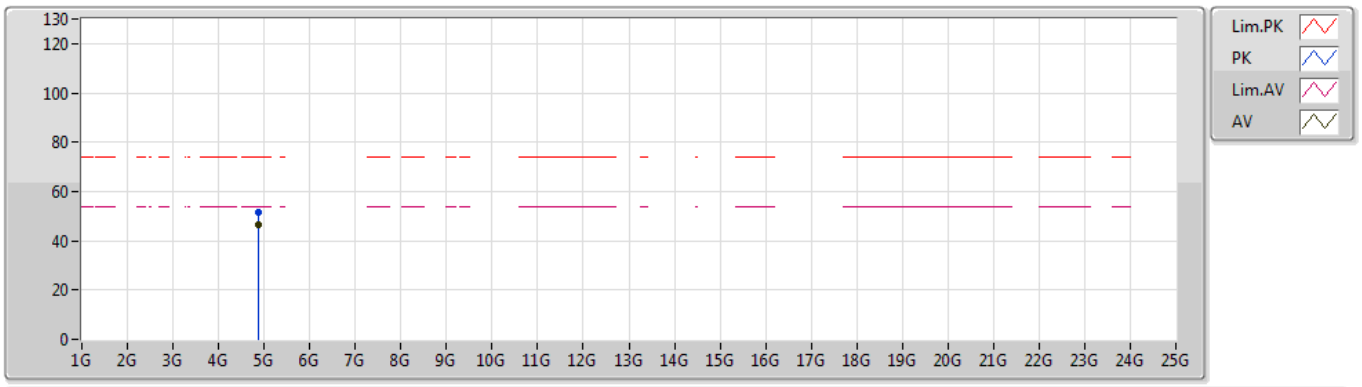
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.8739G	53.13	74.00	-20.87	3.73	3	Vertical	97	1.50	-	49.40
AV	4.874G	49.50	54.00	-4.50	3.73	3	Vertical	97	1.50	-	45.77

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



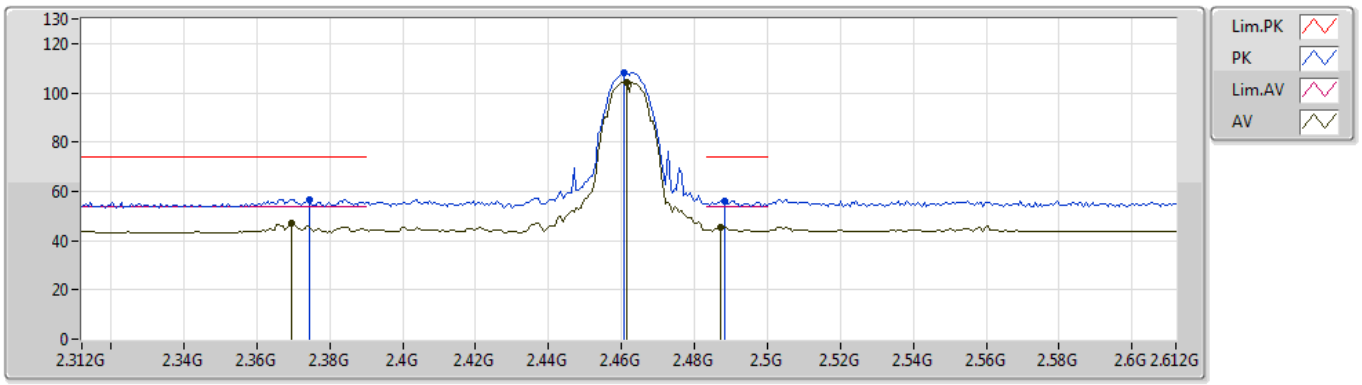
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87408G	51.37	74.00	-22.63	3.73	3	Horizontal	74	1.70	-	47.64
AV	4.87398G	46.76	54.00	-7.24	3.73	3	Horizontal	74	1.70	-	43.03

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



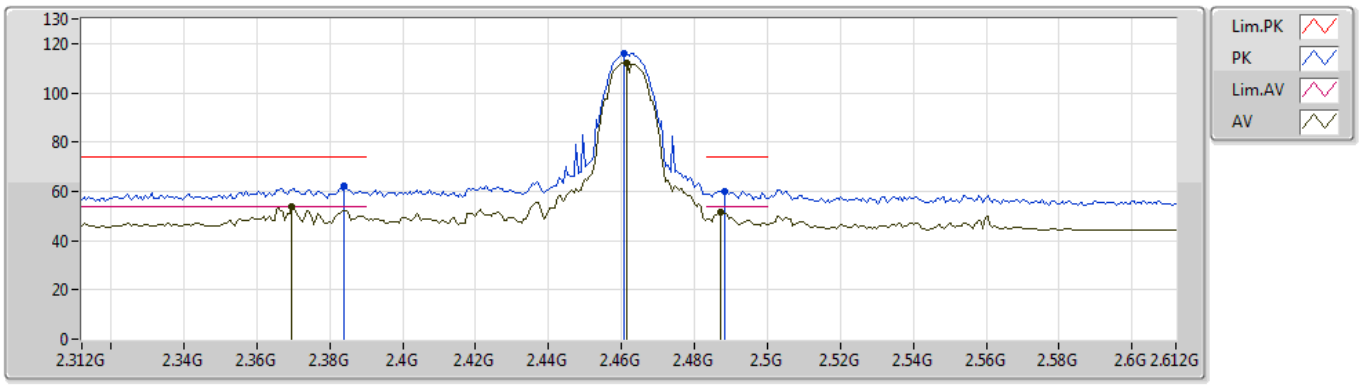
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3744G	56.80	74.00	-17.20	30.13	3	Vertical	339	2.97	-	26.67
AV	2.3696G	47.19	54.00	-6.81	30.13	3	Vertical	339	2.97	-	17.06
PK	2.4608G	108.29	Inf	-Inf	30.37	3	Vertical	339	2.97	-	77.92
AV	2.4614G	104.45	Inf	-Inf	30.38	3	Vertical	339	2.97	-	74.07
PK	2.4884G	56.10	74.00	-17.90	30.49	3	Vertical	339	2.97	-	25.61
AV	2.4872G	45.47	54.00	-8.53	30.49	3	Vertical	339	2.97	-	14.98

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



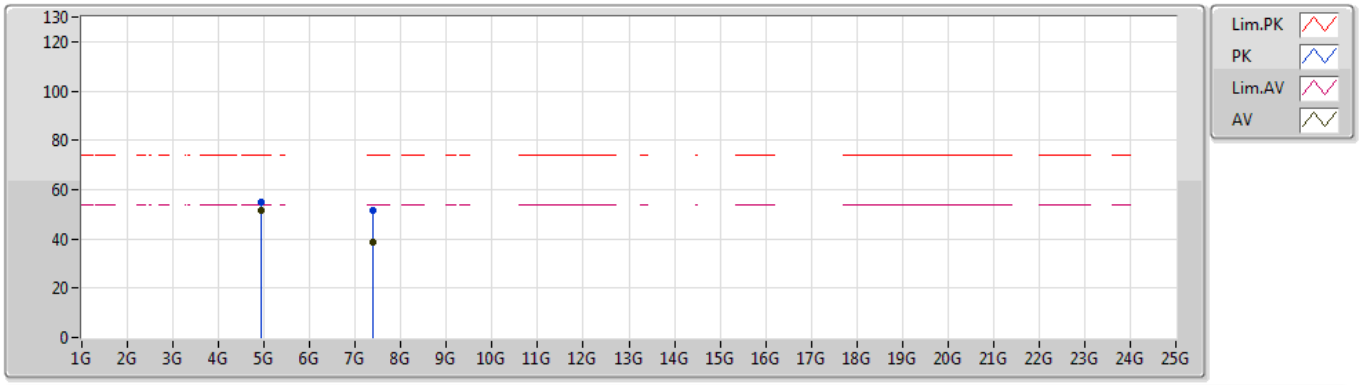
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.384G	62.06	74.00	-11.94	30.12	3	Horizontal	277	1.76	-	31.94
AV	2.3696G	53.68	54.00	-0.32	30.13	3	Horizontal	277	1.76	-	23.55
PK	2.4608G	115.96	Inf	-Inf	30.37	3	Horizontal	277	1.76	-	85.59
AV	2.4614G	112.07	Inf	-Inf	30.38	3	Horizontal	277	1.76	-	81.69
PK	2.4884G	60.11	74.00	-13.89	30.49	3	Horizontal	277	1.76	-	29.62
AV	2.4872G	51.79	54.00	-2.21	30.49	3	Horizontal	277	1.76	-	21.30

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



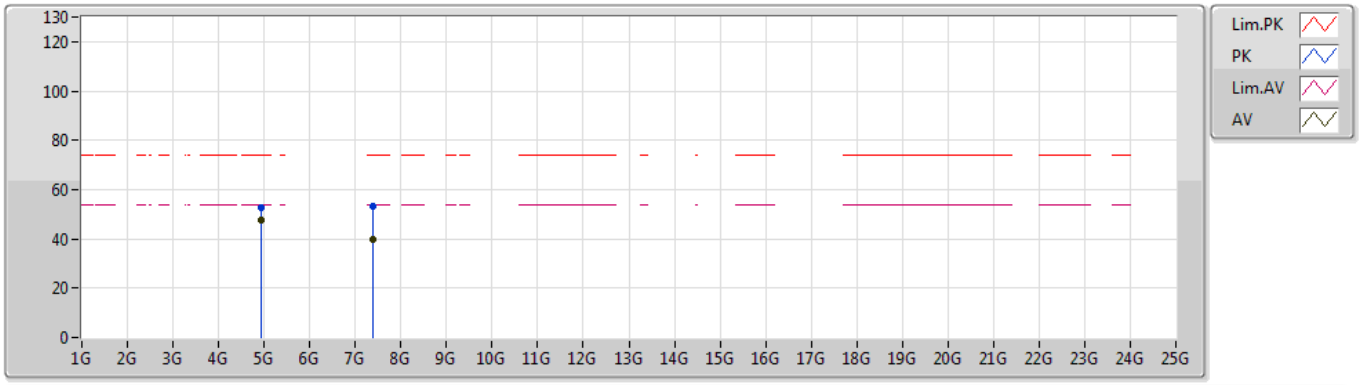
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92394G	55.09	74.00	-18.91	3.92	3	Vertical	102	1.70	-	51.17
AV	4.92396G	51.32	54.00	-2.68	3.92	3	Vertical	102	1.70	-	47.40
PK	7.38476G	51.81	74.00	-22.19	9.60	3	Vertical	131	2.30	-	42.21
AV	7.38514G	38.45	54.00	-15.55	9.61	3	Vertical	131	2.30	-	28.84

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



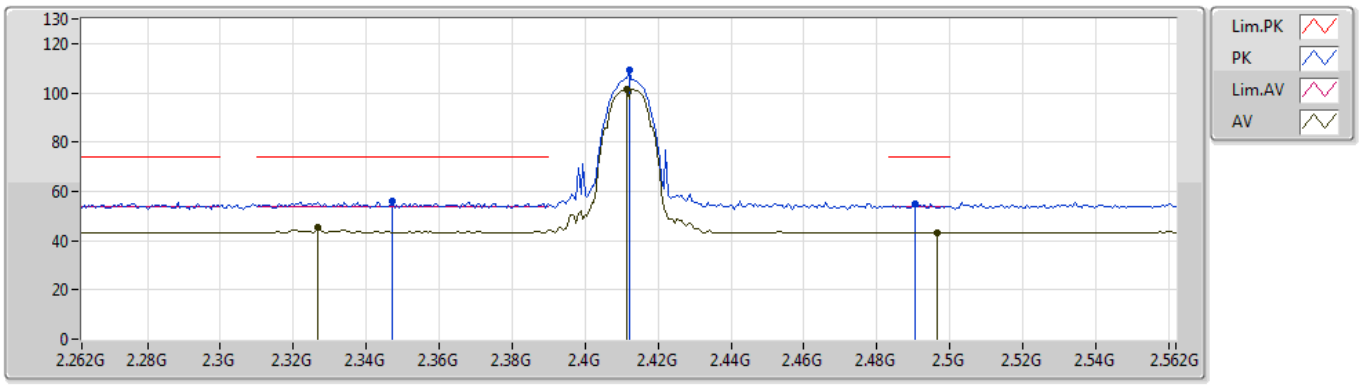
EUT Y_1TX_ANT1
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92404G	52.51	74.00	-21.49	3.92	3	Horizontal	74	1.78	-	48.59
AV	4.92398G	47.54	54.00	-6.46	3.92	3	Horizontal	74	1.78	-	43.62
PK	7.38539G	53.11	74.00	-20.89	9.61	3	Horizontal	169	1.48	-	43.50
AV	7.38528G	39.94	54.00	-14.06	9.61	3	Horizontal	169	1.48	-	30.33

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



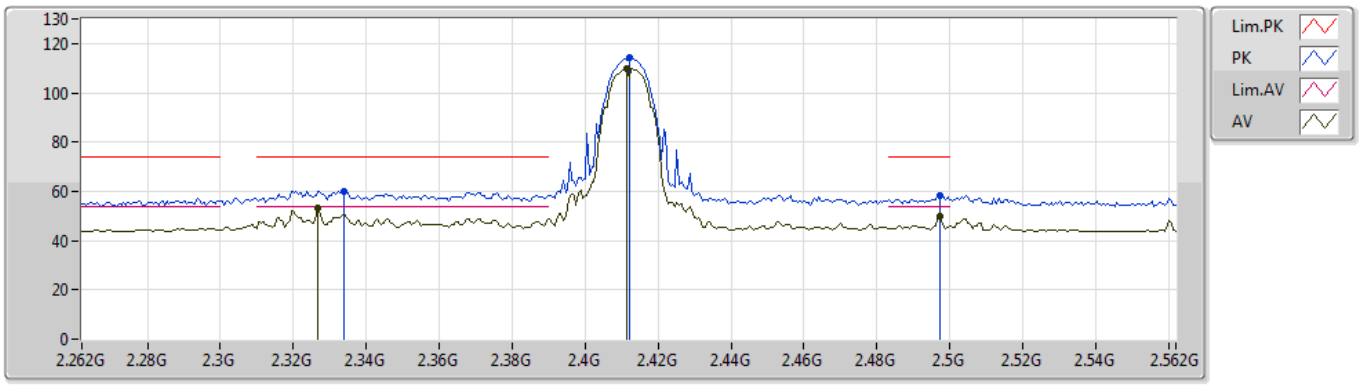
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3472G	55.80	74.00	-18.20	30.15	3	Vertical	346	1.12	-	25.65
AV	2.3268G	45.36	54.00	-8.64	30.17	3	Vertical	346	1.12	-	15.19
PK	2.412G	109.28	Inf	-Inf	30.16	3	Vertical	346	1.12	-	79.12
AV	2.4114G	101.32	Inf	-Inf	30.16	3	Vertical	346	1.12	-	71.16
PK	2.4906G	54.82	74.00	-19.18	30.51	3	Vertical	346	1.12	-	24.31
AV	2.4966G	43.09	54.00	-10.91	30.54	3	Vertical	346	1.12	-	12.55

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



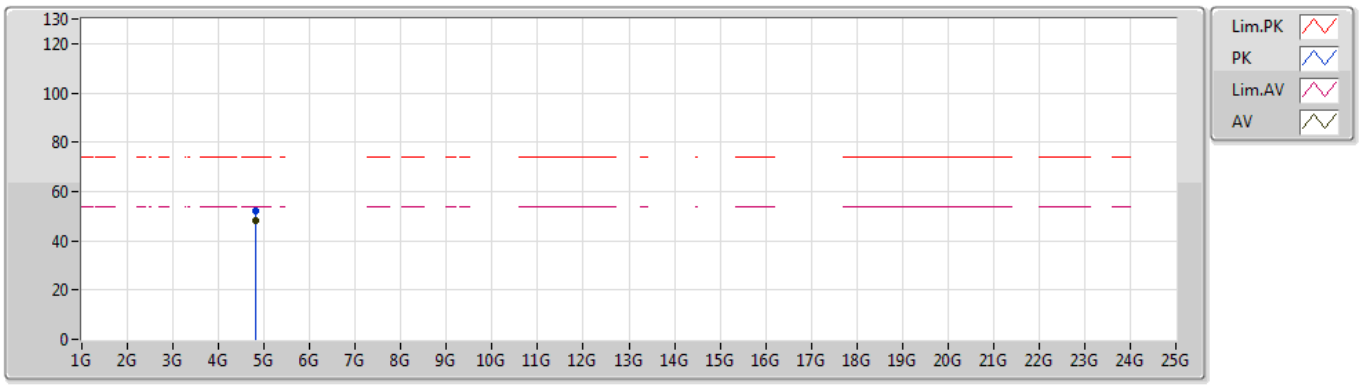
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.334G	60.23	74.00	-13.77	30.17	3	Horizontal	355	2.20	-	30.06
AV	2.3268G	53.11	54.00	-0.89	30.17	3	Horizontal	355	2.20	-	22.94
PK	2.412G	114.32	Inf	-Inf	30.16	3	Horizontal	355	2.20	-	84.16
AV	2.4114G	109.57	Inf	-Inf	30.16	3	Horizontal	355	2.20	-	79.41
PK	2.4972G	58.53	74.00	-15.47	30.54	3	Horizontal	355	2.20	-	27.99
AV	2.4972G	49.95	54.00	-4.05	30.54	3	Horizontal	355	2.20	-	19.41

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



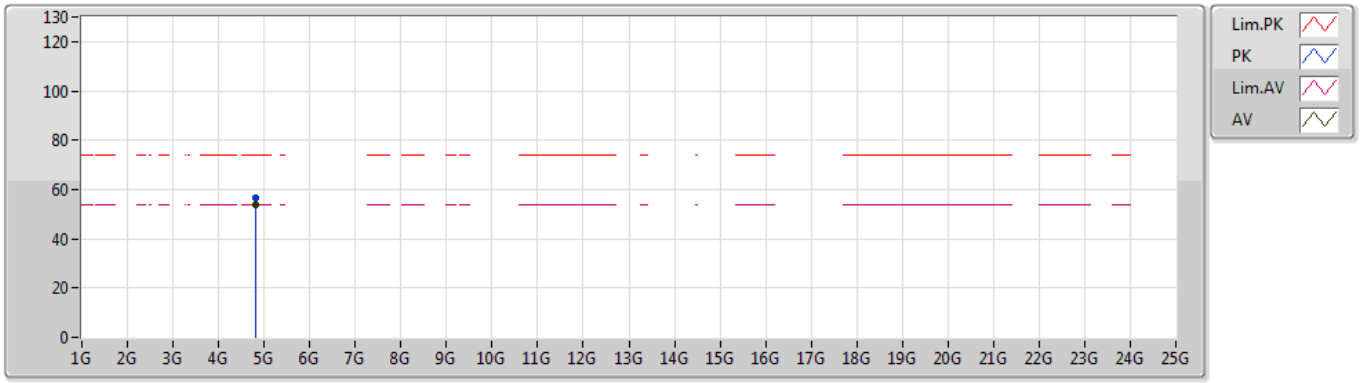
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82397G	52.32	74.00	-21.68	3.48	3	Vertical	253	2.99	-	48.84
AV	4.82397G	48.37	54.00	-5.63	3.48	3	Vertical	253	2.99	-	44.89

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



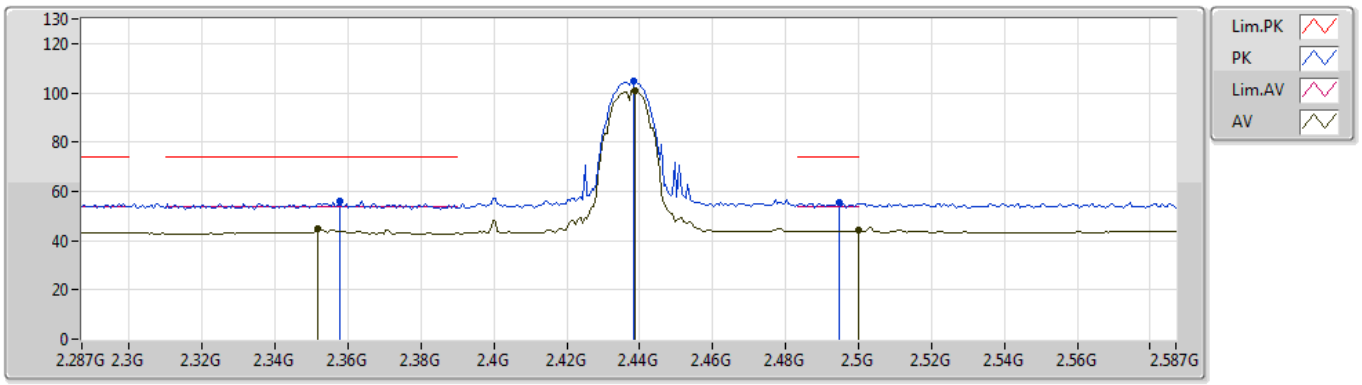
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.824G	56.49	74.00	-17.51	3.48	3	Horizontal	340	1.96	-	53.01
AV	4.82396G	53.87	54.00	-0.13	3.48	3	Horizontal	340	1.96	-	50.39

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



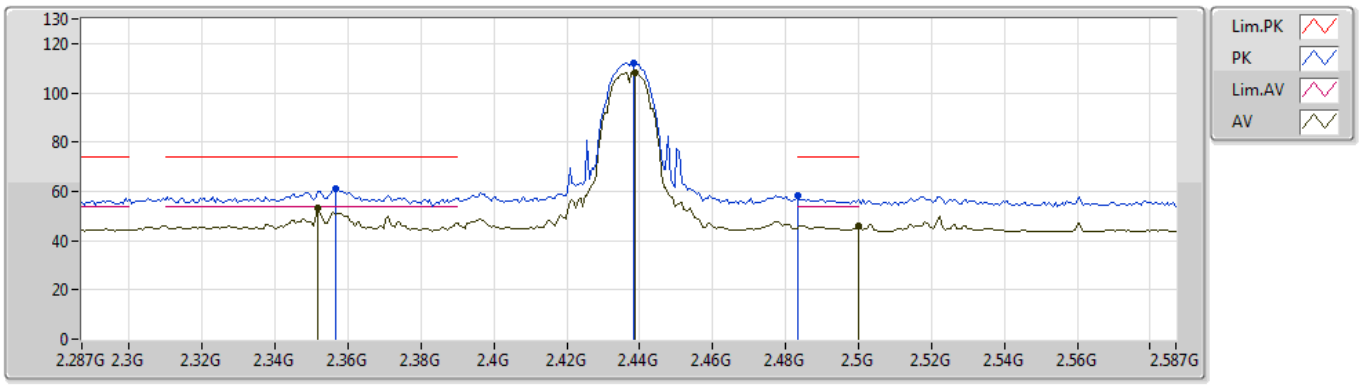
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3578G	55.92	74.00	-18.08	30.14	3	Vertical	105	1.27	-	25.78
AV	2.3518G	45.06	54.00	-8.94	30.15	3	Vertical	105	1.27	-	14.91
PK	2.4382G	104.82	Inf	-Inf	30.27	3	Vertical	105	1.27	-	74.55
AV	2.4388G	100.80	Inf	-Inf	30.28	3	Vertical	105	1.27	-	70.52
PK	2.4946G	55.53	74.00	-18.47	30.53	3	Vertical	105	1.27	-	25.00
AV	2.5G	44.38	54.00	-9.62	30.55	3	Vertical	105	1.27	-	13.83

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



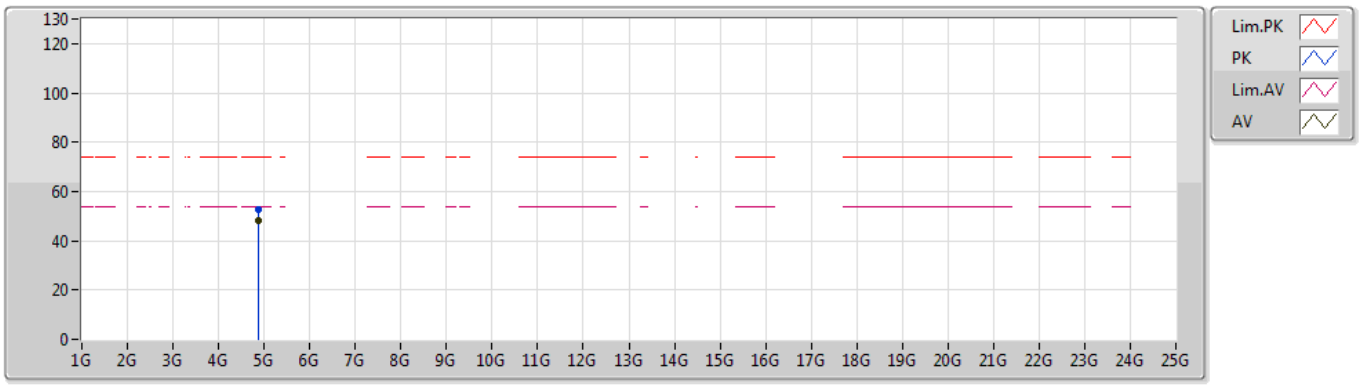
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3566G	61.33	74.00	-12.67	30.14	3	Horizontal	1	2.52	-	31.19
AV	2.3518G	53.12	54.00	-0.88	30.15	3	Horizontal	1	2.52	-	22.97
PK	2.4382G	112.26	Inf	-Inf	30.27	3	Horizontal	1	2.52	-	81.99
AV	2.4388G	108.25	Inf	-Inf	30.28	3	Horizontal	1	2.52	-	77.97
PK	2.4835G	58.39	74.00	-15.61	30.47	3	Horizontal	1	2.52	-	27.92
AV	2.5G	45.75	54.00	-8.25	30.55	3	Horizontal	1	2.52	-	15.20

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



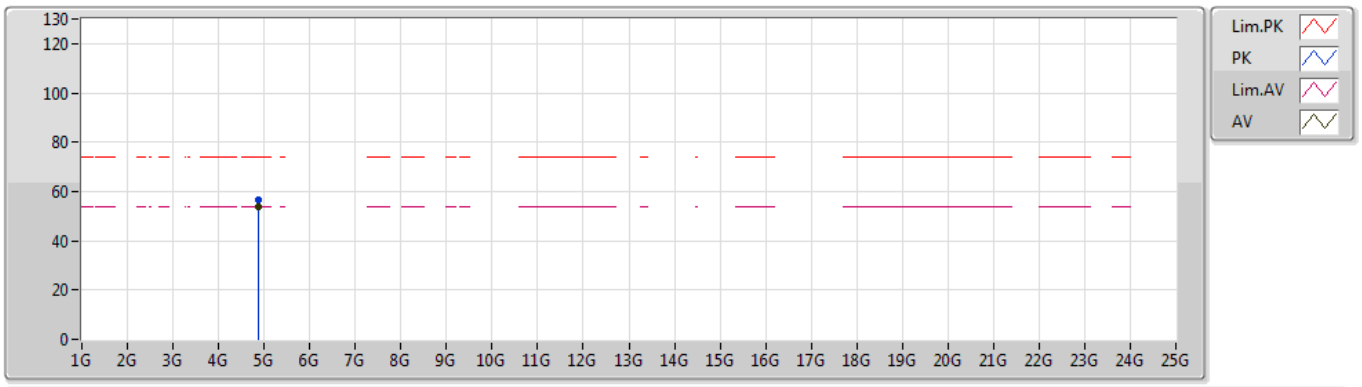
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87408G	52.75	74.00	-21.25	3.73	3	Vertical	255	2.82	-	49.02
AV	4.87395G	48.32	54.00	-5.68	3.73	3	Vertical	255	2.82	-	44.59

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



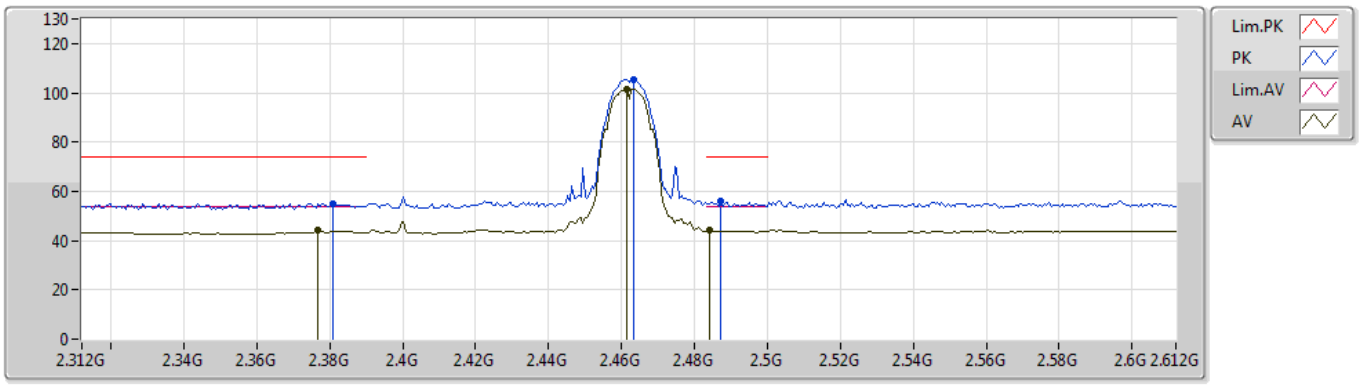
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87394G	56.81	74.00	-17.19	3.73	3	Horizontal	339	1.98	-	53.08
AV	4.87396G	53.90	54.00	-0.10	3.73	3	Horizontal	339	1.98	-	50.17

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



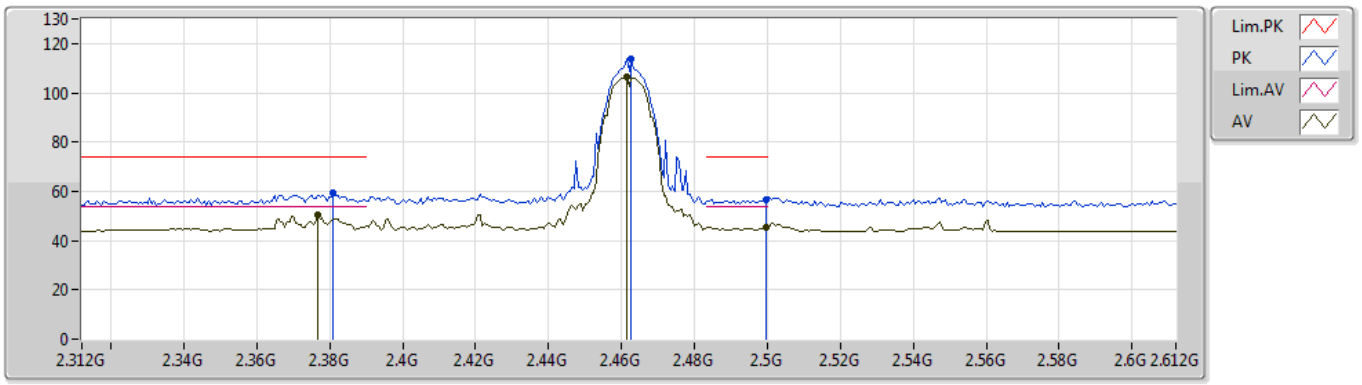
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.381G	55.06	74.00	-18.94	30.12	3	Vertical	105	1.37	-	24.94
AV	2.3768G	44.01	54.00	-9.99	30.12	3	Vertical	105	1.37	-	13.89
PK	2.4632G	105.44	Inf	-Inf	30.38	3	Vertical	105	1.37	-	75.06
AV	2.4614G	101.44	Inf	-Inf	30.38	3	Vertical	105	1.37	-	71.06
PK	2.4872G	55.96	74.00	-18.04	30.49	3	Vertical	105	1.37	-	25.47
AV	2.4842G	44.20	54.00	-9.80	30.48	3	Vertical	105	1.37	-	13.72

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



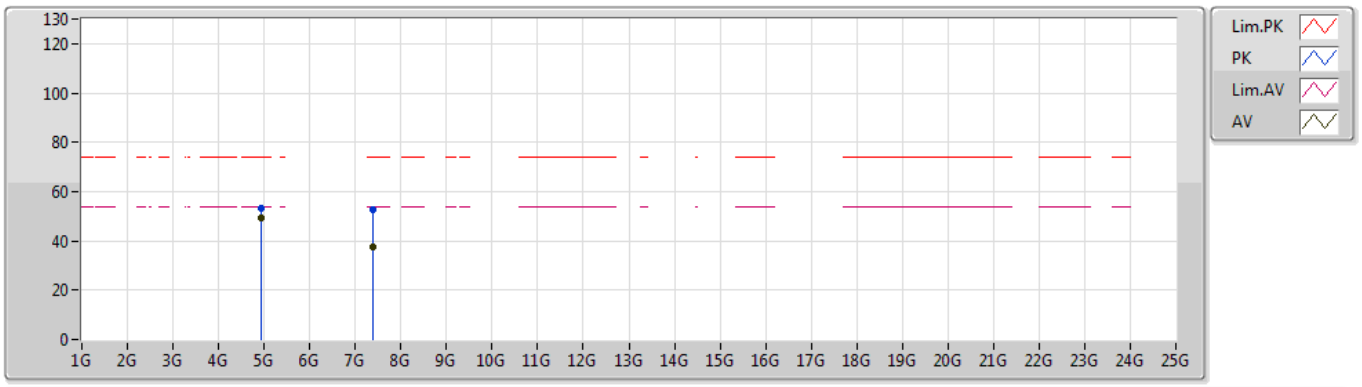
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.381G	59.13	74.00	-14.87	30.12	3	Horizontal	12	1.37	-	29.01
AV	2.3768G	50.38	54.00	-3.62	30.12	3	Horizontal	12	1.37	-	20.26
PK	2.4626G	113.54	Inf	-Inf	30.38	3	Horizontal	12	1.37	-	83.16
AV	2.4614G	106.27	Inf	-Inf	30.38	3	Horizontal	12	1.37	-	75.89
PK	2.4998G	56.46	74.00	-17.54	30.55	3	Horizontal	12	1.37	-	25.91
AV	2.4998G	45.52	54.00	-8.48	30.55	3	Horizontal	12	1.37	-	14.97

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



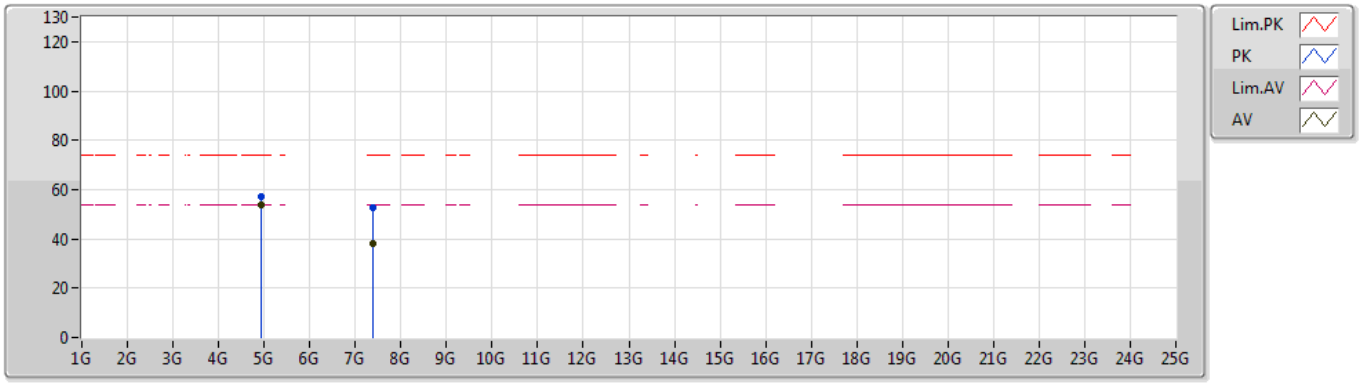
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92397G	53.49	74.00	-20.51	3.92	3	Vertical	252	2.90	-	49.57
AV	4.92398G	49.44	54.00	-4.56	3.92	3	Vertical	252	2.90	-	45.52
PK	7.38586G	52.70	74.00	-21.30	9.61	3	Vertical	266	2.84	-	43.09
AV	7.38458G	37.76	54.00	-16.24	9.60	3	Vertical	266	2.84	-	28.16

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



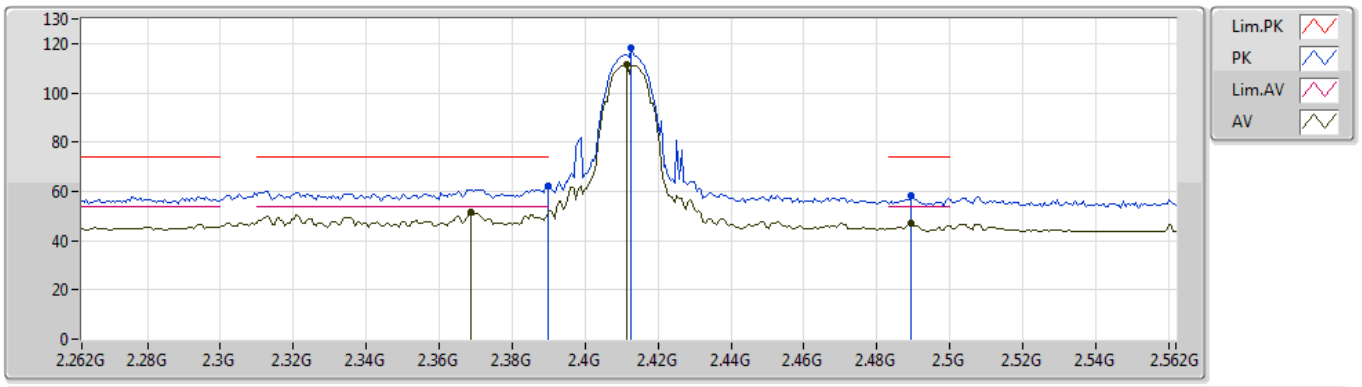
EUT Y_1TX_ANT2
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92397G	57.24	74.00	-16.76	3.92	3	Horizontal	339	1.98	-	53.32
AV	4.92396G	53.95	54.00	-0.05	3.92	3	Horizontal	339	1.98	-	50.03
PK	7.38707G	52.41	74.00	-21.59	9.61	3	Horizontal	155	1.69	-	42.80
AV	7.38504G	38.34	54.00	-15.66	9.61	3	Horizontal	155	1.69	-	28.73

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



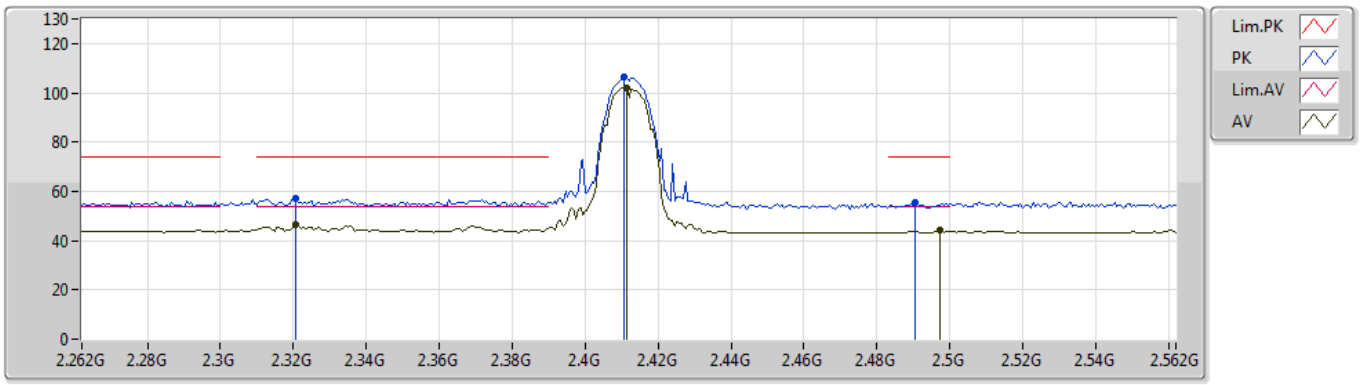
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	62.12	74.00	-11.88	30.11	3	Vertical	341	1.50	-	32.01
AV	2.3688G	51.46	54.00	-2.54	30.13	3	Vertical	341	1.50	-	21.33
PK	2.4126G	118.26	Inf	-Inf	30.16	3	Vertical	341	1.50	-	88.10
AV	2.4114G	111.52	Inf	-Inf	30.16	3	Vertical	341	1.50	-	81.36
PK	2.4894G	58.11	74.00	-15.89	30.50	3	Vertical	341	1.50	-	27.61
AV	2.4894G	46.80	54.00	-7.20	30.50	3	Vertical	341	1.50	-	16.30

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



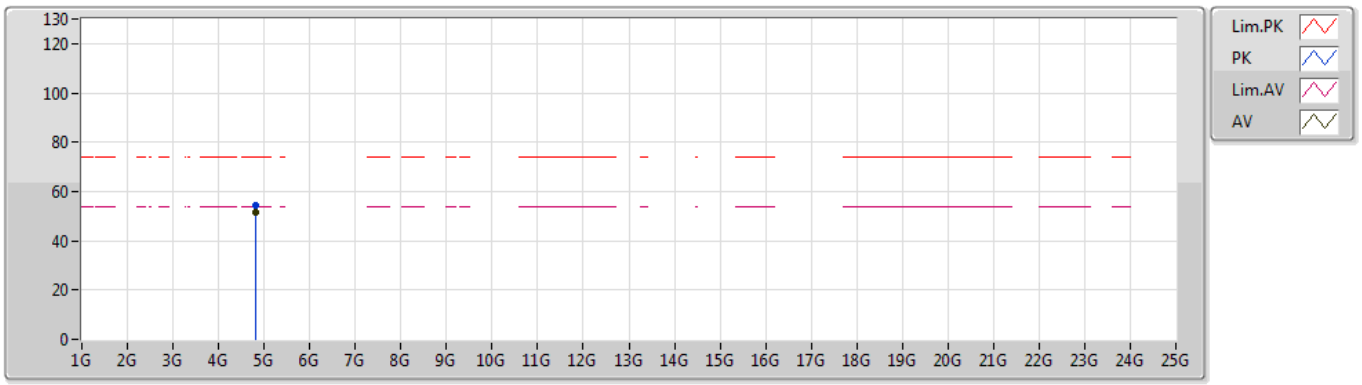
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3208G	57.07	74.00	-16.93	30.18	3	Horizontal	214	1.50	-	26.89
AV	2.3208G	46.34	54.00	-7.66	30.18	3	Horizontal	214	1.50	-	16.16
PK	2.4108G	106.22	Inf	-Inf	30.15	3	Horizontal	214	1.50	-	76.07
AV	2.4114G	102.14	Inf	-Inf	30.16	3	Horizontal	214	1.50	-	71.98
PK	2.4906G	55.69	74.00	-18.31	30.51	3	Horizontal	214	1.50	-	25.18
AV	2.4972G	44.10	54.00	-9.90	30.54	3	Horizontal	214	1.50	-	13.56

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



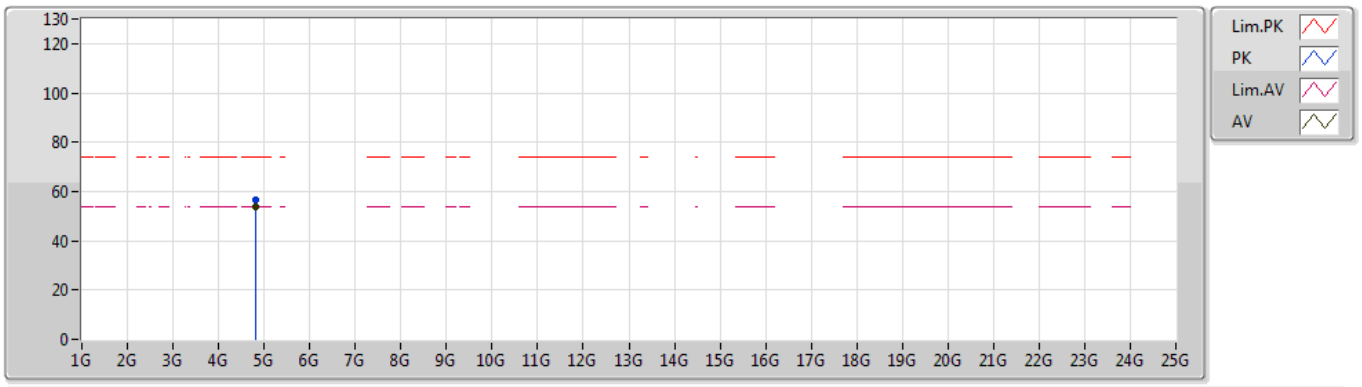
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82396G	54.63	74.00	-19.37	3.48	3	Vertical	92	1.61	-	51.15
AV	4.82396G	51.56	54.00	-2.44	3.48	3	Vertical	92	1.61	-	48.08

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

02/03/2020



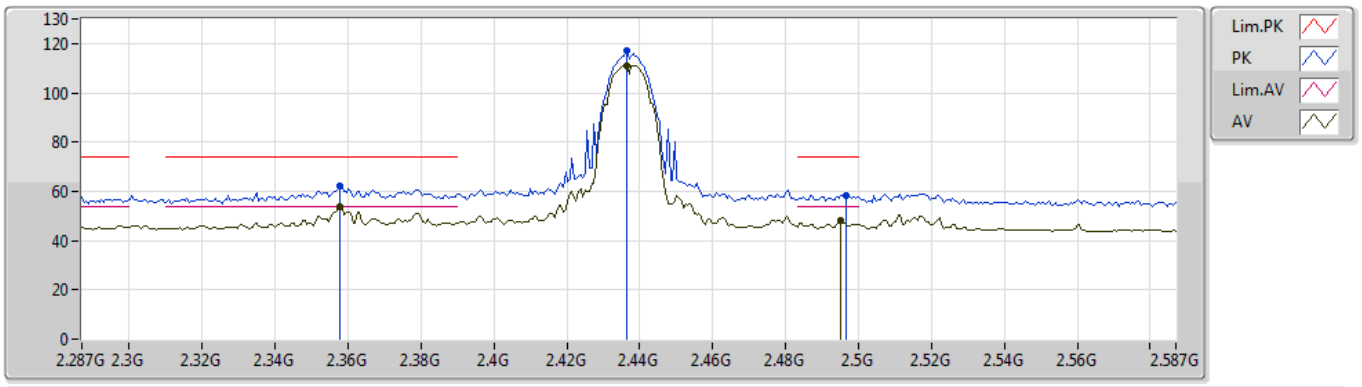
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82402G	56.68	74.00	-17.32	3.48	3	Horizontal	351	2.42	-	53.20
AV	4.82397G	53.98	54.00	-0.02	3.48	3	Horizontal	351	2.42	-	50.50

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



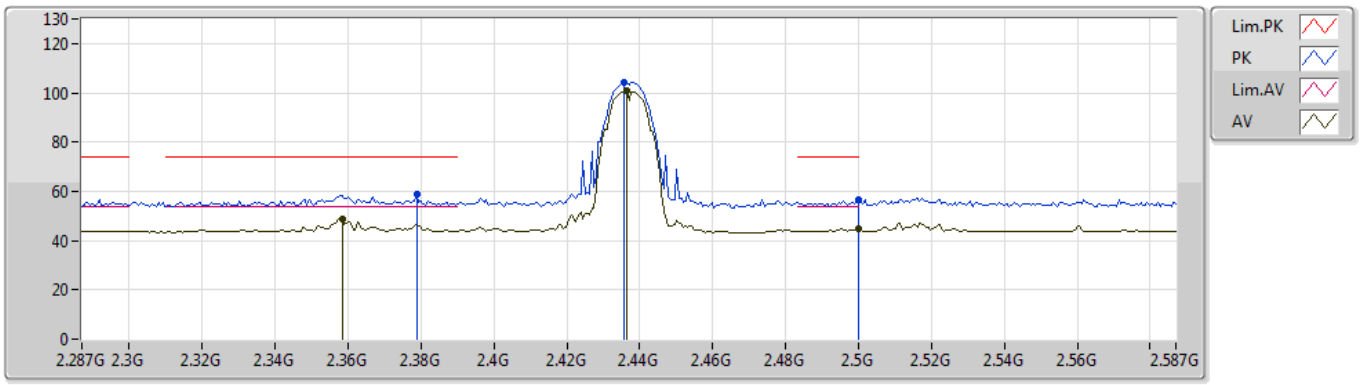
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3578G	62.05	74.00	-11.95	30.14	3	Vertical	276	1.70	-	31.91
AV	2.3578G	53.67	54.00	-0.33	30.14	3	Vertical	276	1.70	-	23.53
PK	2.4364G	116.93	Inf	-Inf	30.27	3	Vertical	276	1.70	-	86.66
AV	2.4364G	111.20	Inf	-Inf	30.27	3	Vertical	276	1.70	-	80.93
PK	2.4964G	58.25	74.00	-15.75	30.54	3	Vertical	276	1.70	-	27.71
AV	2.4952G	47.92	54.00	-6.08	30.53	3	Vertical	276	1.70	-	17.39

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



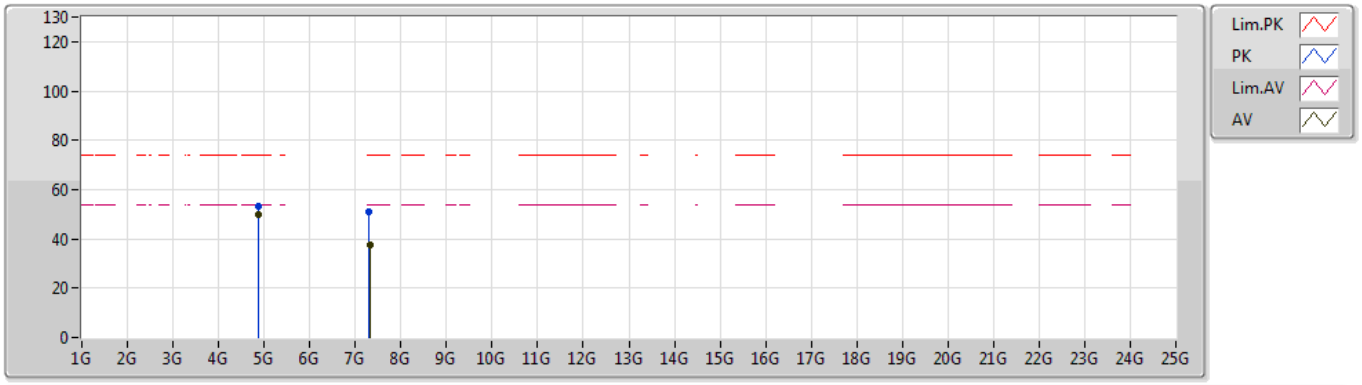
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3788G	58.57	74.00	-15.43	30.12	3	Horizontal	168	1.50	-	28.45
AV	2.3584G	49.02	54.00	-4.98	30.14	3	Horizontal	168	1.50	-	18.88
PK	2.4358G	104.47	Inf	-Inf	30.26	3	Horizontal	168	1.50	-	74.21
AV	2.4364G	100.64	Inf	-Inf	30.27	3	Horizontal	168	1.50	-	70.37
PK	2.5G	56.63	74.00	-17.37	30.55	3	Horizontal	168	1.50	-	26.08
AV	2.5G	44.72	54.00	-9.28	30.55	3	Horizontal	168	1.50	-	14.17

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



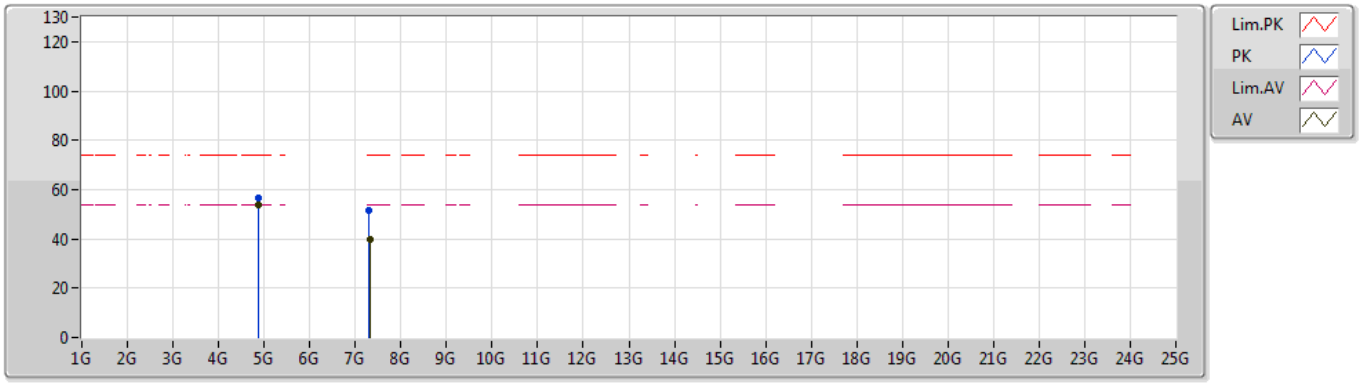
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.874G	53.19	74.00	-20.81	3.73	3	Vertical	69	1.87	-	49.46
AV	4.87398G	50.08	54.00	-3.92	3.73	3	Vertical	69	1.87	-	46.35
PK	7.30982G	51.07	74.00	-22.93	9.59	3	Vertical	266	1.19	-	41.48
AV	7.31027G	37.31	54.00	-16.69	9.59	3	Vertical	266	1.19	-	27.72

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

02/03/2020



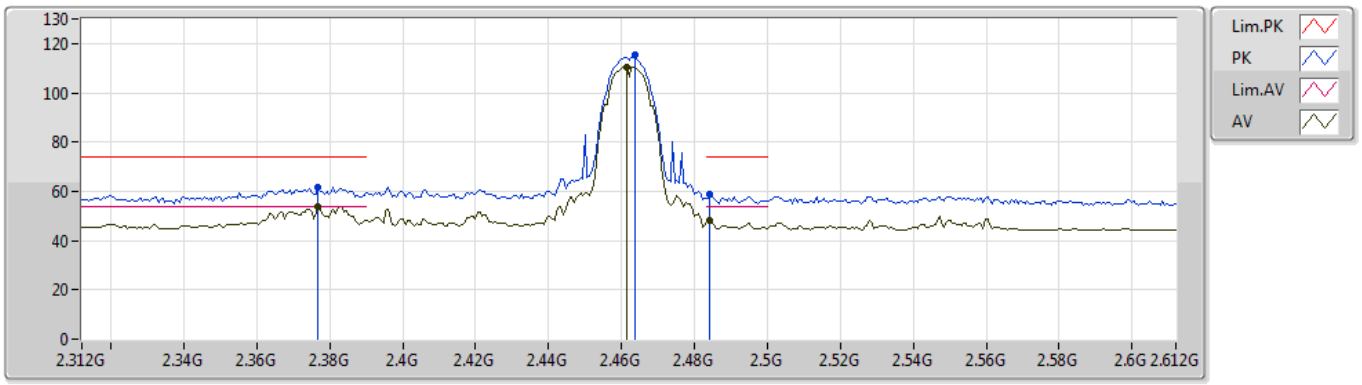
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87394G	56.51	74.00	-17.49	3.73	3	Horizontal	337	2.40	-	52.78
AV	4.87397G	53.78	54.00	-0.22	3.73	3	Horizontal	337	2.40	-	50.05
PK	7.30992G	51.81	74.00	-22.19	9.59	3	Horizontal	350	1.54	-	42.22
AV	7.31188G	39.72	54.00	-14.28	9.59	3	Horizontal	350	1.54	-	30.13

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



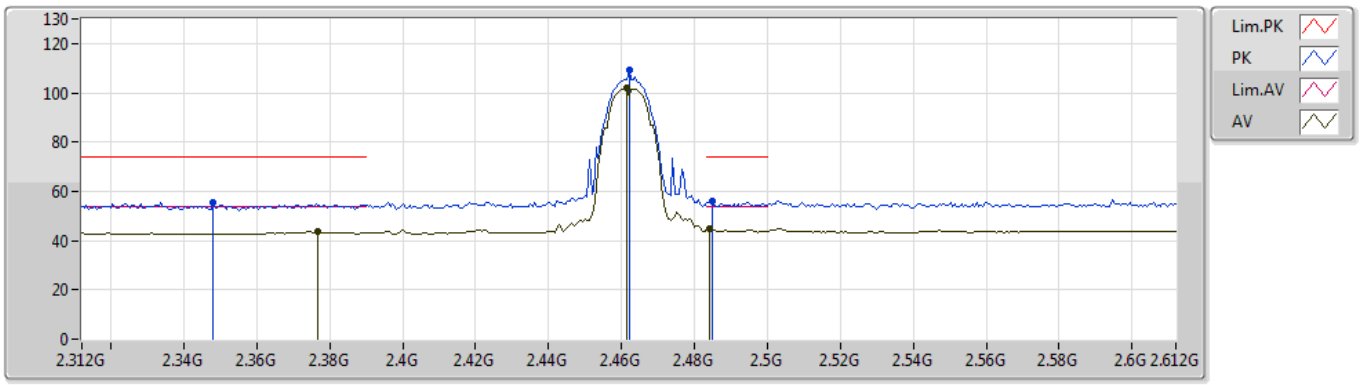
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3768G	61.52	74.00	-12.48	30.12	3	Vertical	343	2.61	-	31.40
AV	2.3768G	53.88	54.00	-0.12	30.12	3	Vertical	343	2.61	-	23.76
PK	2.4638G	115.18	Inf	-Inf	30.39	3	Vertical	343	2.61	-	84.79
AV	2.4614G	110.45	Inf	-Inf	30.38	3	Vertical	343	2.61	-	80.07
PK	2.4842G	58.94	74.00	-15.06	30.48	3	Vertical	343	2.61	-	28.46
AV	2.4842G	48.09	54.00	-5.91	30.48	3	Vertical	343	2.61	-	17.61

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



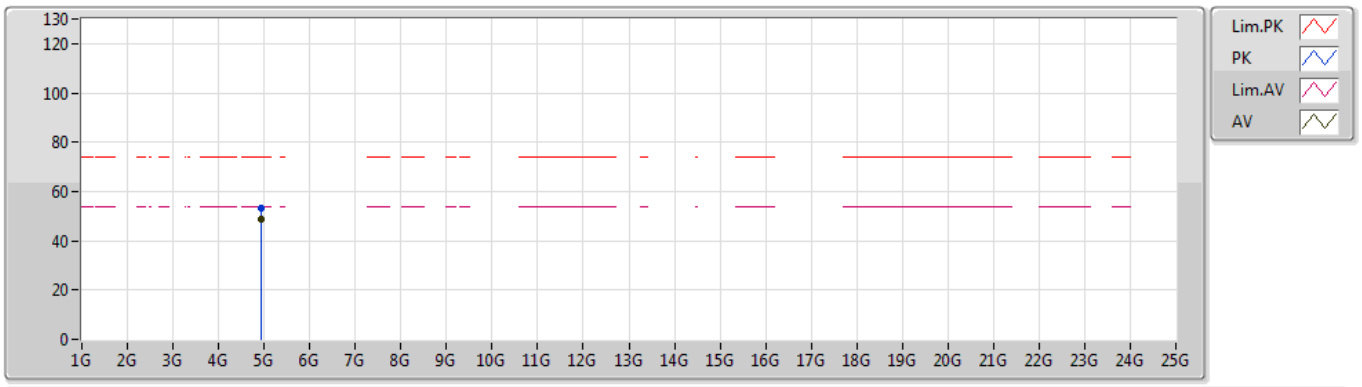
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.348G	55.42	74.00	-18.58	30.15	3	Horizontal	242	1.72	-	25.27
AV	2.3768G	43.87	54.00	-10.13	30.12	3	Horizontal	242	1.72	-	13.75
PK	2.462G	109.54	Inf	-Inf	30.38	3	Horizontal	242	1.72	-	79.16
AV	2.4614G	101.73	Inf	-Inf	30.38	3	Horizontal	242	1.72	-	71.35
PK	2.4848G	56.00	74.00	-18.00	30.48	3	Horizontal	242	1.72	-	25.52
AV	2.4842G	44.74	54.00	-9.26	30.48	3	Horizontal	242	1.72	-	14.26

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



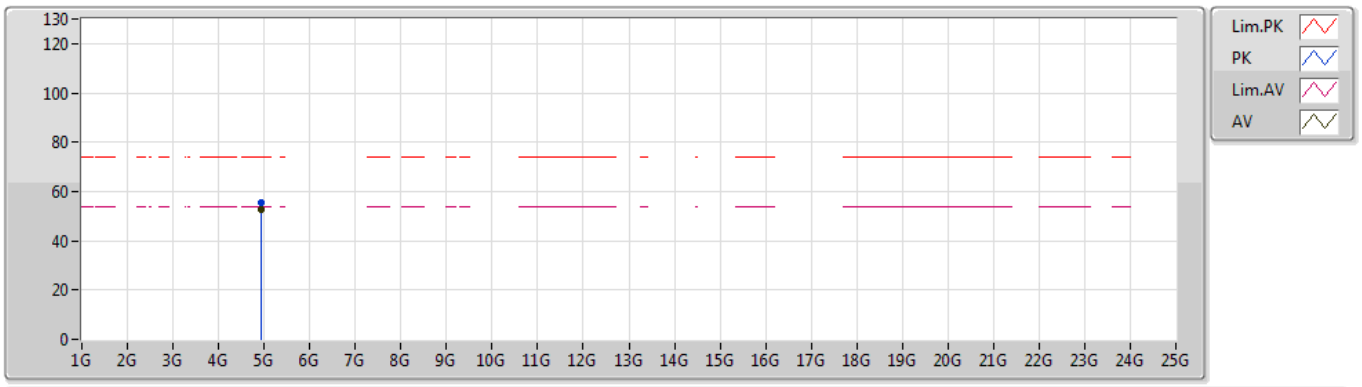
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92405G	53.32	74.00	-20.68	3.92	3	Vertical	107	1.45	-	49.40
AV	4.92396G	48.76	54.00	-5.24	3.92	3	Vertical	107	1.45	-	44.84

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

02/03/2020



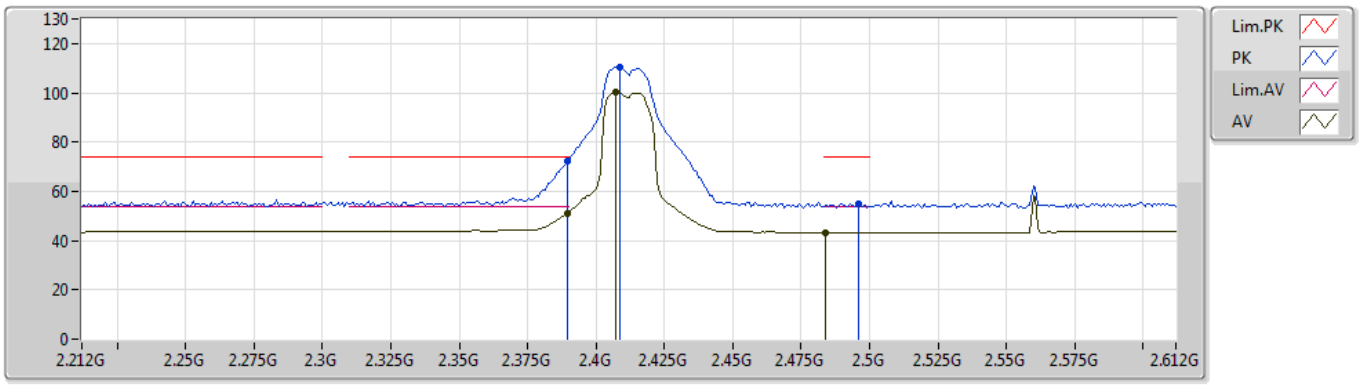
EUT Y_1TX_ANT3
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.924G	55.72	74.00	-18.28	3.92	3	Horizontal	328	1.96	-	51.80
AV	4.92396G	52.73	54.00	-1.27	3.92	3	Horizontal	328	1.96	-	48.81

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

02/03/2020



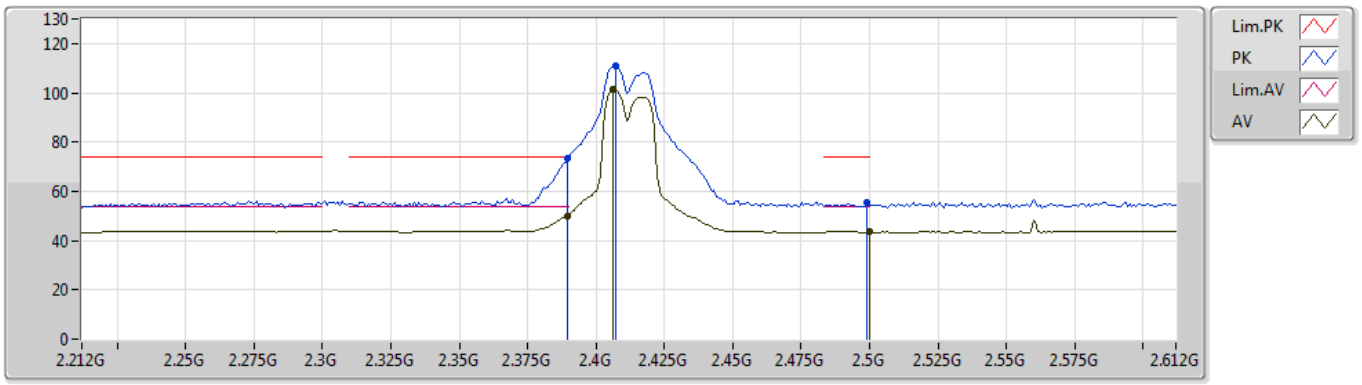
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3896G	72.50	74.00	-1.50	30.21	3	Vertical	336	1.84	-	42.29
AV	2.3896G	51.25	54.00	-2.75	30.21	3	Vertical	336	1.84	-	21.04
PK	2.4088G	110.57	Inf	-Inf	30.24	3	Vertical	336	1.84	-	80.33
AV	2.4072G	100.28	Inf	-Inf	30.23	3	Vertical	336	1.84	-	70.05
PK	2.496G	54.83	74.00	-19.17	30.58	3	Vertical	336	1.84	-	24.25
AV	2.484G	43.32	54.00	-10.68	30.54	3	Vertical	336	1.84	-	12.78

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

02/03/2020



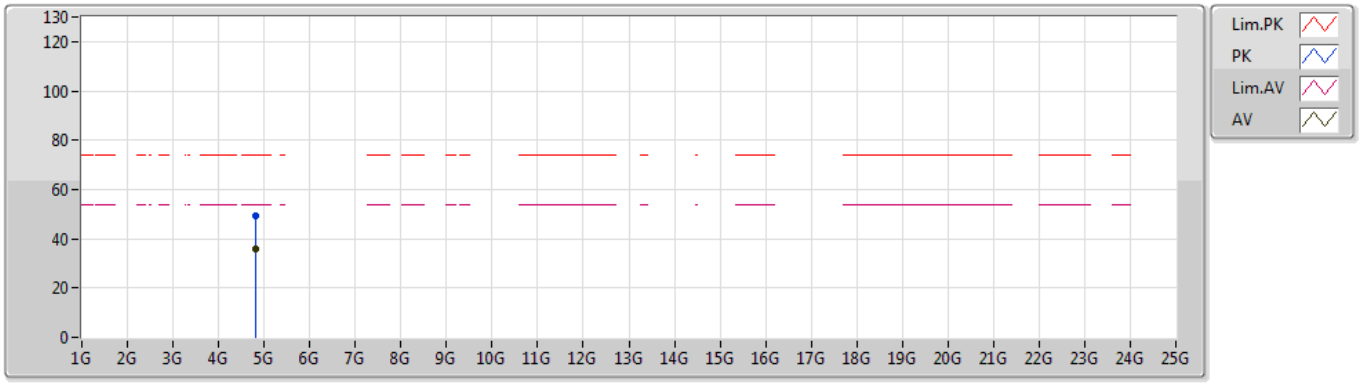
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3896G	73.64	74.00	-0.36	30.21	3	Horizontal	170	2.41	-	43.43
AV	2.3896G	50.08	54.00	-3.92	30.21	3	Horizontal	170	2.41	-	19.87
PK	2.4072G	110.76	Inf	-Inf	30.23	3	Horizontal	170	2.41	-	80.53
AV	2.4064G	101.21	Inf	-Inf	30.23	3	Horizontal	170	2.41	-	70.98
PK	2.4992G	55.52	74.00	-18.48	30.60	3	Horizontal	170	2.41	-	24.92
AV	2.5G	43.70	54.00	-10.30	30.60	3	Horizontal	170	2.41	-	13.10

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

02/03/2020



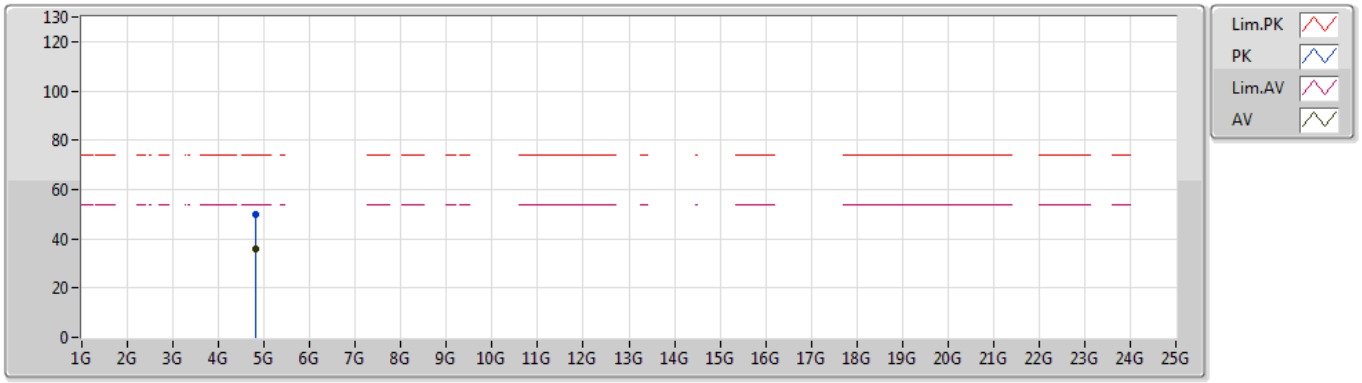
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82352G	49.47	74.00	-24.53	3.50	3	Vertical	87	1.55	-	45.97
AV	4.82382G	36.13	54.00	-17.87	3.51	3	Vertical	87	1.55	-	32.62

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

02/03/2020



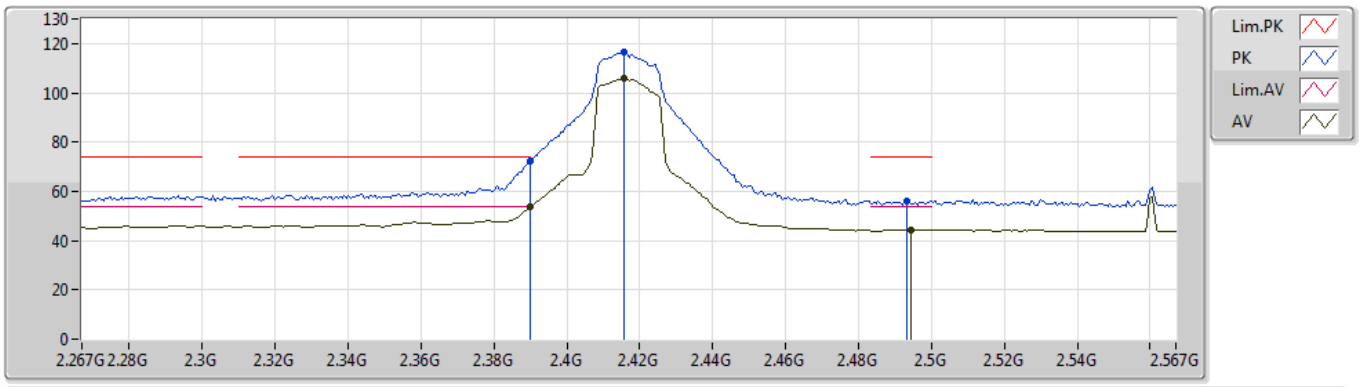
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82754G	50.08	74.00	-23.92	3.52	3	Horizontal	328	1.88	-	46.56
AV	4.82664G	36.02	54.00	-17.98	3.52	3	Horizontal	328	1.88	-	32.50

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

02/03/2020



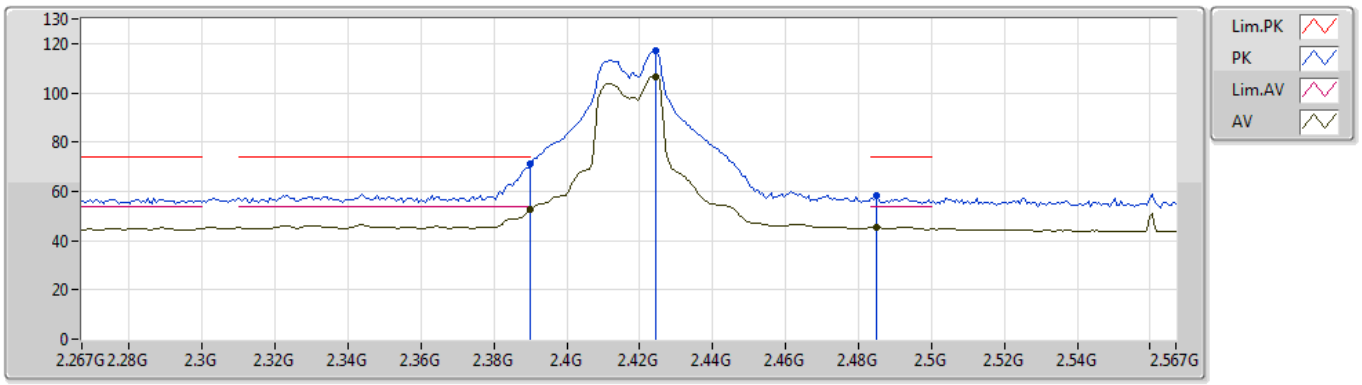
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	72.13	74.00	-1.87	30.21	3	Vertical	25	1.50	-	41.92
AV	2.39G	53.58	54.00	-0.42	30.21	3	Vertical	25	1.50	-	23.37
PK	2.4158G	116.28	Inf	-Inf	30.26	3	Vertical	25	1.50	-	86.02
AV	2.4158G	105.94	Inf	-Inf	30.26	3	Vertical	25	1.50	-	75.68
PK	2.4932G	56.17	74.00	-17.83	30.57	3	Vertical	25	1.50	-	25.60
AV	2.4944G	44.44	54.00	-9.56	30.58	3	Vertical	25	1.50	-	13.86

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

02/03/2020



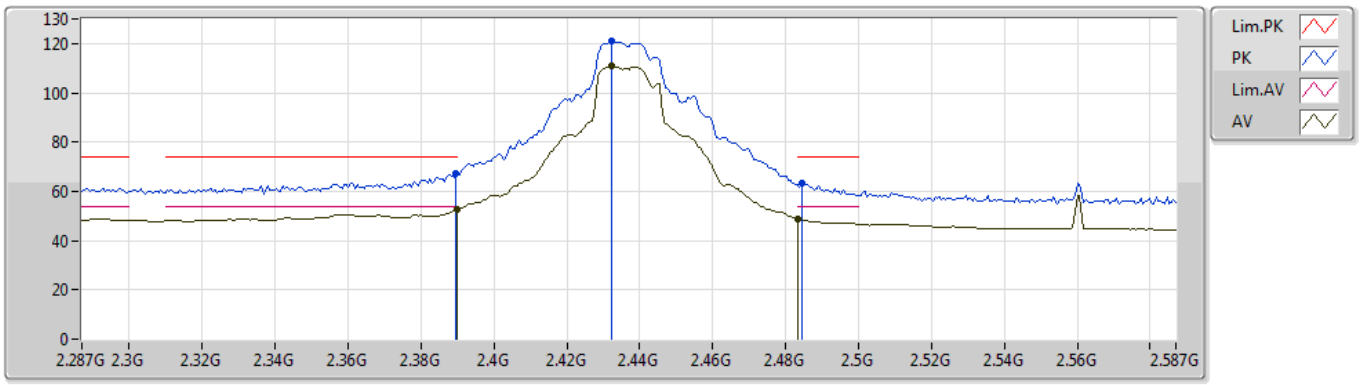
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	70.96	74.00	-3.04	30.21	3	Horizontal	182	1.55	-	40.75
AV	2.39G	52.60	54.00	-1.40	30.21	3	Horizontal	182	1.55	-	22.39
PK	2.4242G	117.00	Inf	-Inf	30.30	3	Horizontal	182	1.55	-	86.70
AV	2.4242G	106.70	Inf	-Inf	30.30	3	Horizontal	182	1.55	-	76.40
PK	2.4848G	58.23	74.00	-15.77	30.54	3	Horizontal	182	1.55	-	27.69
AV	2.4848G	45.39	54.00	-8.61	30.54	3	Horizontal	182	1.55	-	14.85

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

02/03/2020



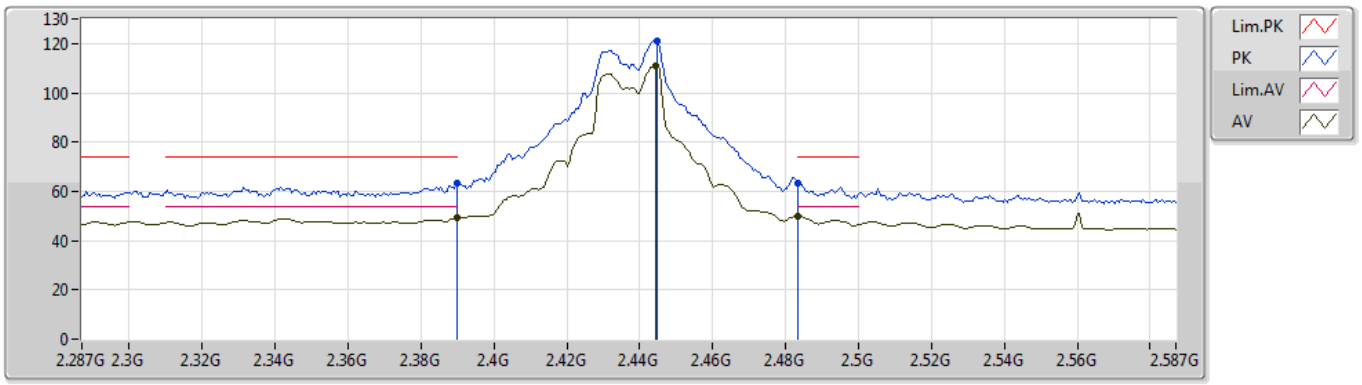
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3896G	67.11	74.00	-6.89	30.21	3	Vertical	4	1.29	-	36.90
AV	2.39G	52.86	54.00	-1.14	30.21	3	Vertical	4	1.29	-	22.65
PK	2.4322G	120.91	Inf	-Inf	30.33	3	Vertical	4	1.29	-	90.58
AV	2.4322G	110.94	Inf	-Inf	30.33	3	Vertical	4	1.29	-	80.61
PK	2.4844G	63.12	74.00	-10.88	30.54	3	Vertical	4	1.29	-	32.58
AV	2.4835G	48.67	54.00	-5.33	30.53	3	Vertical	4	1.29	-	18.14

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

02/03/2020



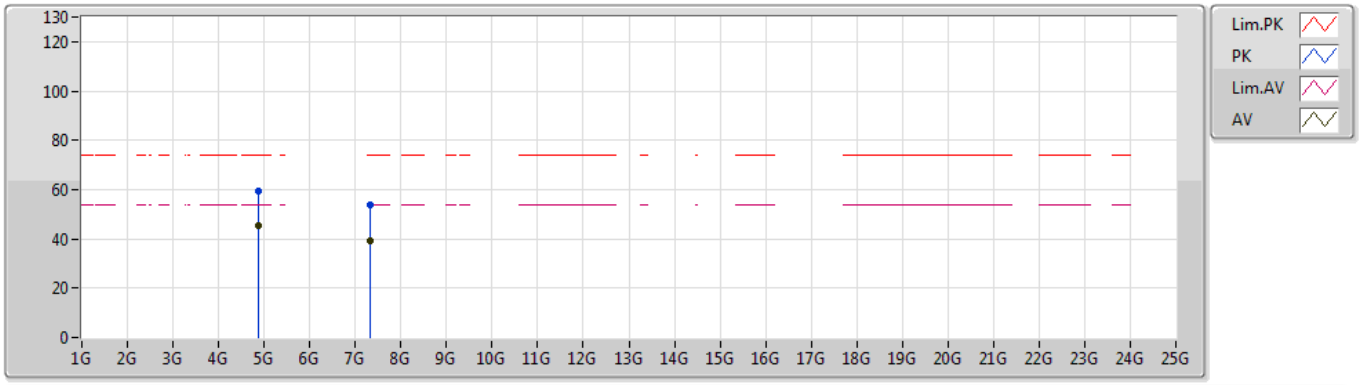
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	63.08	74.00	-10.92	30.21	3	Horizontal	182	1.29	-	32.87
AV	2.39G	49.34	54.00	-4.66	30.21	3	Horizontal	182	1.29	-	19.13
PK	2.4448G	121.12	Inf	-Inf	30.38	3	Horizontal	182	1.29	-	90.74
AV	2.4442G	110.99	Inf	-Inf	30.38	3	Horizontal	182	1.29	-	80.61
PK	2.4835G	63.14	74.00	-10.86	30.53	3	Horizontal	182	1.29	-	32.61
AV	2.4835G	49.92	54.00	-4.08	30.53	3	Horizontal	182	1.29	-	19.39

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

02/03/2020



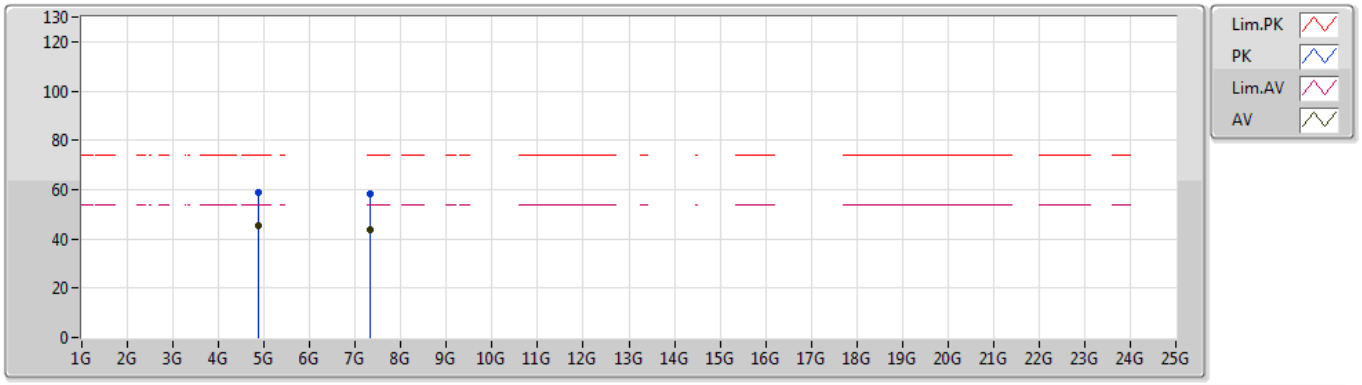
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.8746G	59.14	74.00	-14.86	3.80	3	Vertical	95	1.66	-	55.34
AV	4.87388G	45.28	54.00	-8.72	3.80	3	Vertical	95	1.66	-	41.48
PK	7.31262G	53.64	74.00	-20.36	9.05	3	Vertical	223	2.71	-	44.59
AV	7.31166G	39.45	54.00	-14.55	9.06	3	Vertical	223	2.71	-	30.39

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

02/03/2020



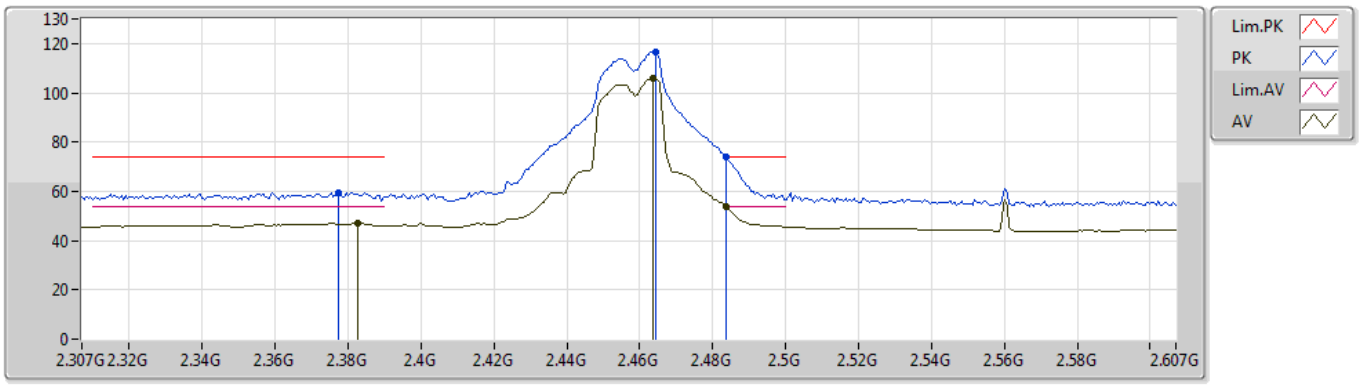
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87784G	58.67	74.00	-15.33	3.82	3	Horizontal	333	1.88	-	54.85
AV	4.87688G	45.49	54.00	-8.51	3.82	3	Horizontal	333	1.88	-	41.67
PK	7.31166G	58.03	74.00	-15.97	9.06	3	Horizontal	167	1.44	-	48.97
AV	7.31022G	43.88	54.00	-10.12	9.05	3	Horizontal	167	1.44	-	34.83

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

02/03/2020



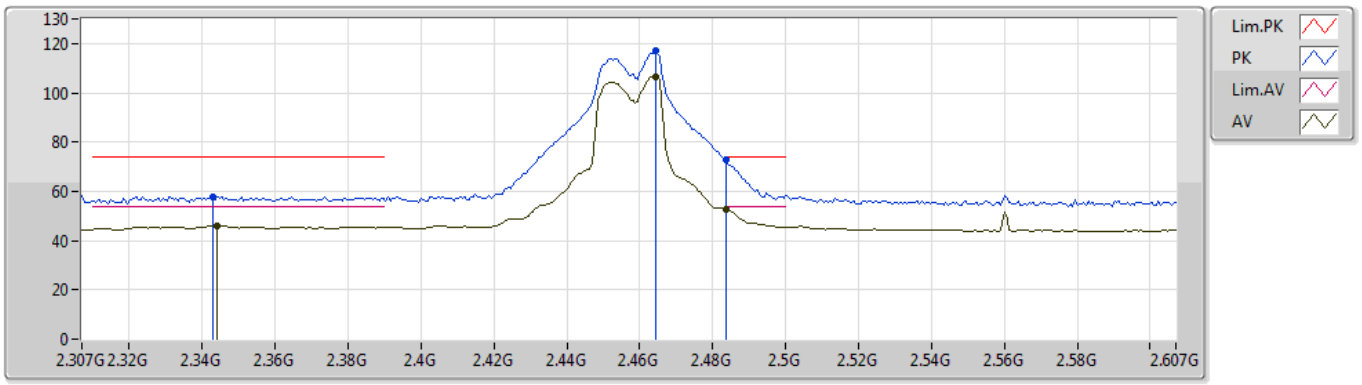
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3772G	59.61	74.00	-14.39	30.22	3	Vertical	313	2.66	-	29.39
AV	2.3826G	47.01	54.00	-6.99	30.22	3	Vertical	313	2.66	-	16.79
PK	2.4642G	116.78	Inf	-Inf	30.46	3	Vertical	313	2.66	-	86.32
AV	2.4636G	106.00	Inf	-Inf	30.45	3	Vertical	313	2.66	-	75.55
PK	2.4835G	73.95	74.00	-0.05	30.53	3	Vertical	313	2.66	-	43.42
AV	2.4835G	53.96	54.00	-0.04	30.53	3	Vertical	313	2.66	-	23.43

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

02/03/2020



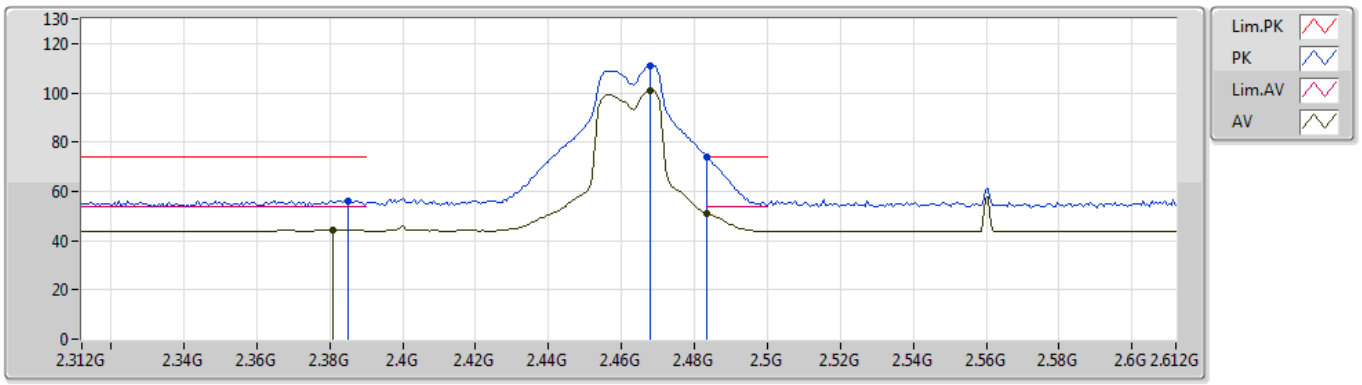
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.343G	57.96	74.00	-16.04	30.26	3	Horizontal	183	1.50	-	27.70
AV	2.3442G	46.13	54.00	-7.87	30.26	3	Horizontal	183	1.50	-	15.87
PK	2.4642G	116.89	Inf	-Inf	30.46	3	Horizontal	183	1.50	-	86.43
AV	2.4642G	106.63	Inf	-Inf	30.46	3	Horizontal	183	1.50	-	76.17
PK	2.4835G	72.68	74.00	-1.32	30.53	3	Horizontal	183	1.50	-	42.15
AV	2.4835G	52.93	54.00	-1.07	30.53	3	Horizontal	183	1.50	-	22.40

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

02/03/2020



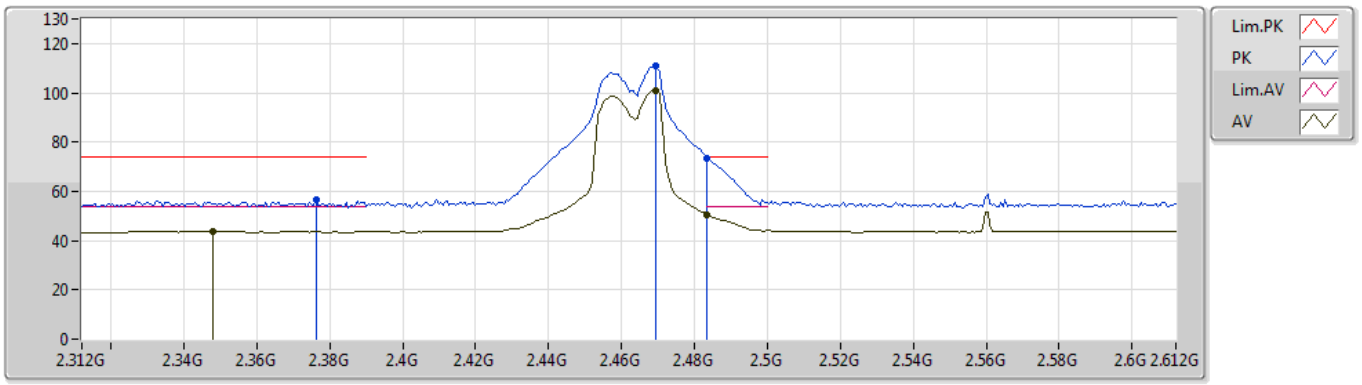
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3852G	56.25	74.00	-17.75	30.21	3	Vertical	334	2.77	-	26.04
AV	2.381G	44.21	54.00	-9.79	30.22	3	Vertical	334	2.77	-	13.99
PK	2.468G	111.17	Inf	-Inf	30.47	3	Vertical	334	2.77	-	80.70
AV	2.468G	100.99	Inf	-Inf	30.47	3	Vertical	334	2.77	-	70.52
PK	2.4835G	73.90	74.00	-0.10	30.53	3	Vertical	334	2.77	-	43.37
AV	2.4835G	51.10	54.00	-2.90	30.53	3	Vertical	334	2.77	-	20.57

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

02/03/2020



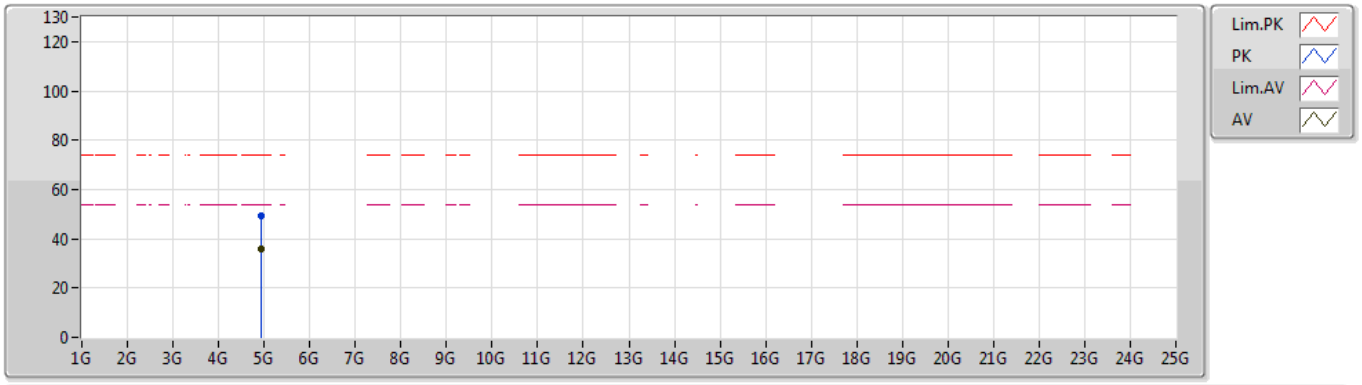
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3762G	56.47	74.00	-17.53	30.22	3	Horizontal	183	1.50	-	26.25
AV	2.348G	43.89	54.00	-10.11	30.25	3	Horizontal	183	1.50	-	13.64
PK	2.4692G	111.18	Inf	-Inf	30.48	3	Horizontal	183	1.50	-	80.70
AV	2.4692G	100.88	Inf	-Inf	30.48	3	Horizontal	183	1.50	-	70.40
PK	2.4835G	73.44	74.00	-0.56	30.53	3	Horizontal	183	1.50	-	42.91
AV	2.4835G	50.35	54.00	-3.65	30.53	3	Horizontal	183	1.50	-	19.82

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

02/03/2020



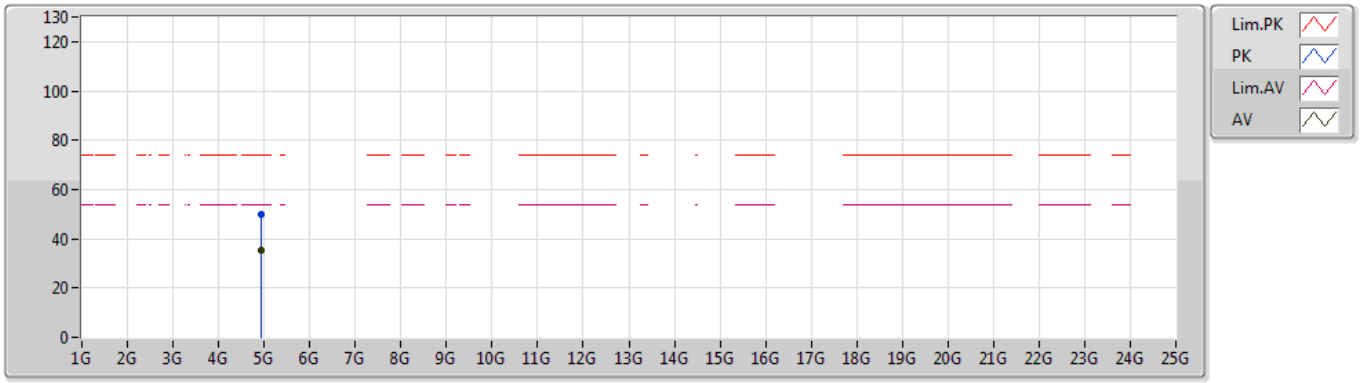
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92424G	49.08	74.00	-24.92	4.05	3	Vertical	99	1.59	-	45.03
AV	4.92202G	35.94	54.00	-18.06	4.03	3	Vertical	99	1.59	-	31.91

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

02/03/2020



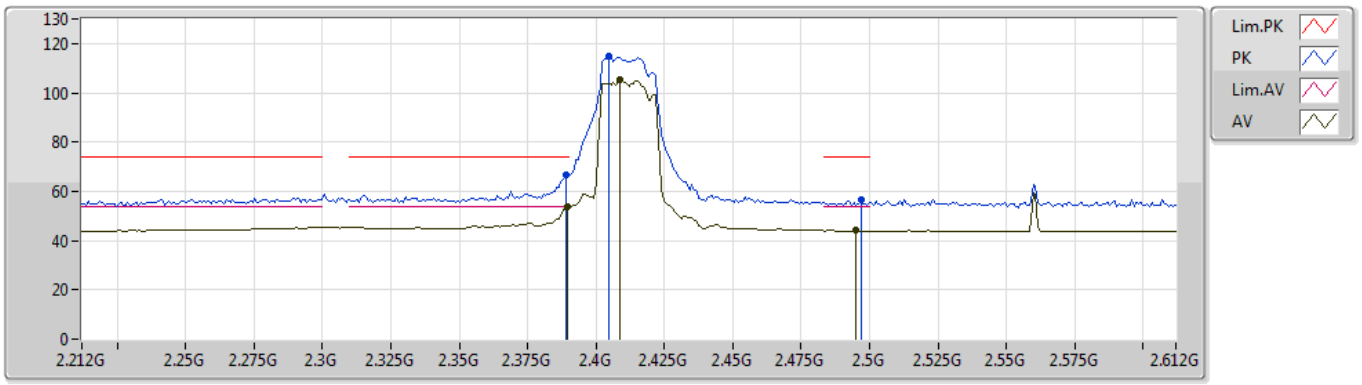
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.9255G	49.76	74.00	-24.24	4.05	3	Horizontal	141	2.02	-	45.71
AV	4.924G	35.55	54.00	-18.45	4.05	3	Horizontal	141	2.02	-	31.50

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

02/03/2020



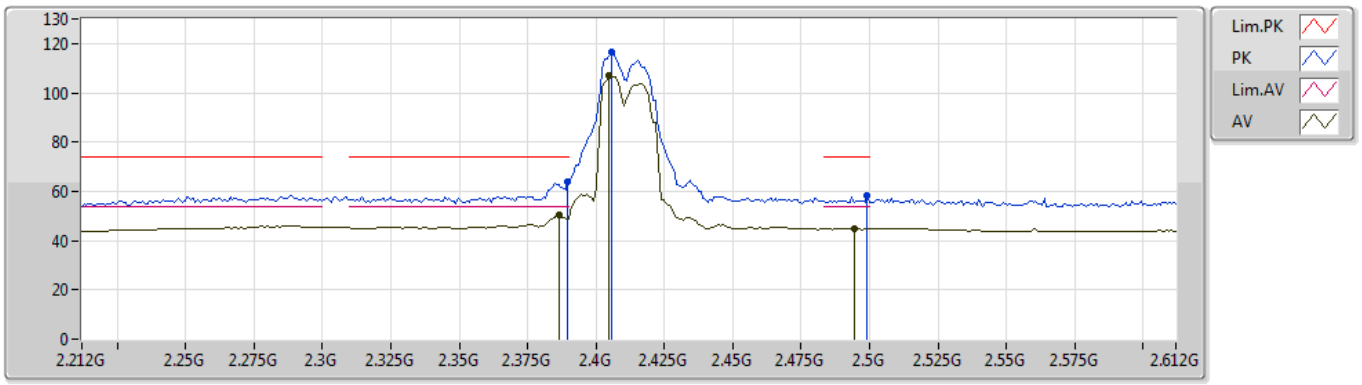
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3888G	66.82	74.00	-7.18	30.21	3	Vertical	336	1.48	-	36.61
AV	2.3896G	53.80	54.00	-0.20	30.21	3	Vertical	336	1.48	-	23.59
PK	2.4048G	114.74	Inf	-Inf	30.22	3	Vertical	336	1.48	-	84.52
AV	2.4088G	105.25	Inf	-Inf	30.24	3	Vertical	336	1.48	-	75.01
PK	2.4968G	56.72	74.00	-17.28	30.59	3	Vertical	336	1.48	-	26.13
AV	2.4952G	44.02	54.00	-9.98	30.58	3	Vertical	336	1.48	-	13.44

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

02/03/2020



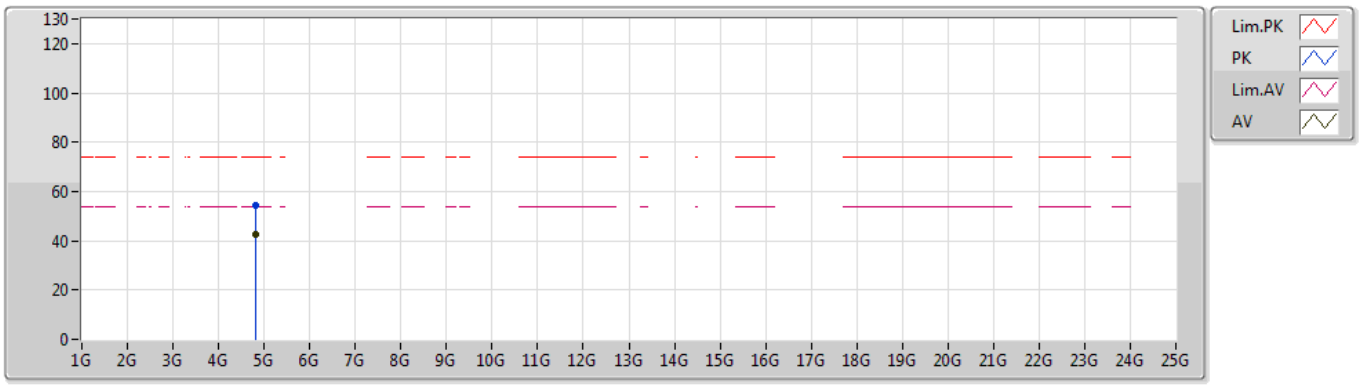
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3896G	63.73	74.00	-10.27	30.21	3	Horizontal	156	2.95	-	33.52
AV	2.3864G	50.58	54.00	-3.42	30.21	3	Horizontal	156	2.95	-	20.37
PK	2.4056G	116.66	Inf	-Inf	30.22	3	Horizontal	156	2.95	-	86.44
AV	2.4048G	106.75	Inf	-Inf	30.22	3	Horizontal	156	2.95	-	76.53
PK	2.4992G	58.29	74.00	-15.71	30.60	3	Horizontal	156	2.95	-	27.69
AV	2.4944G	44.77	54.00	-9.23	30.58	3	Horizontal	156	2.95	-	14.19

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

02/03/2020



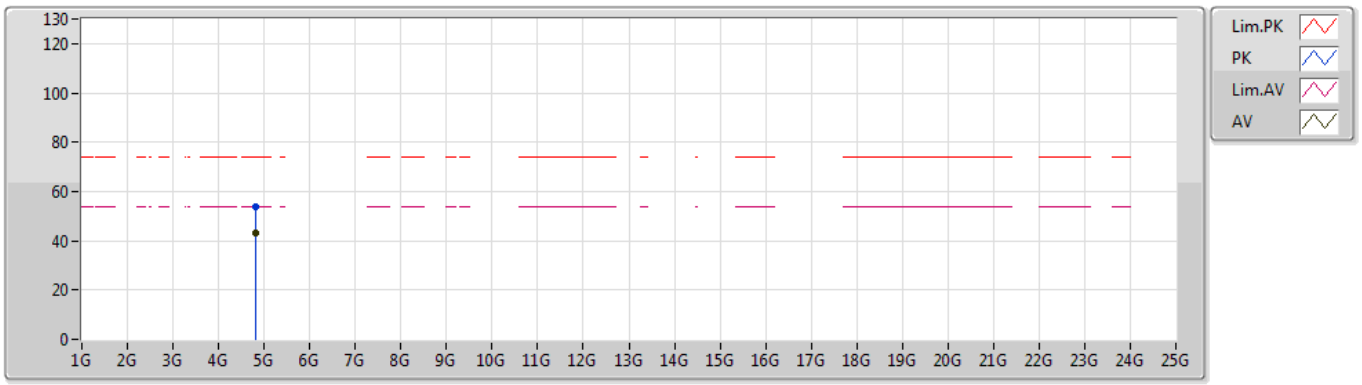
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82202G	54.39	74.00	-19.61	3.49	3	Vertical	82	1.50	-	50.90
AV	4.82196G	42.31	54.00	-11.69	3.49	3	Vertical	82	1.50	-	38.82

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

02/03/2020



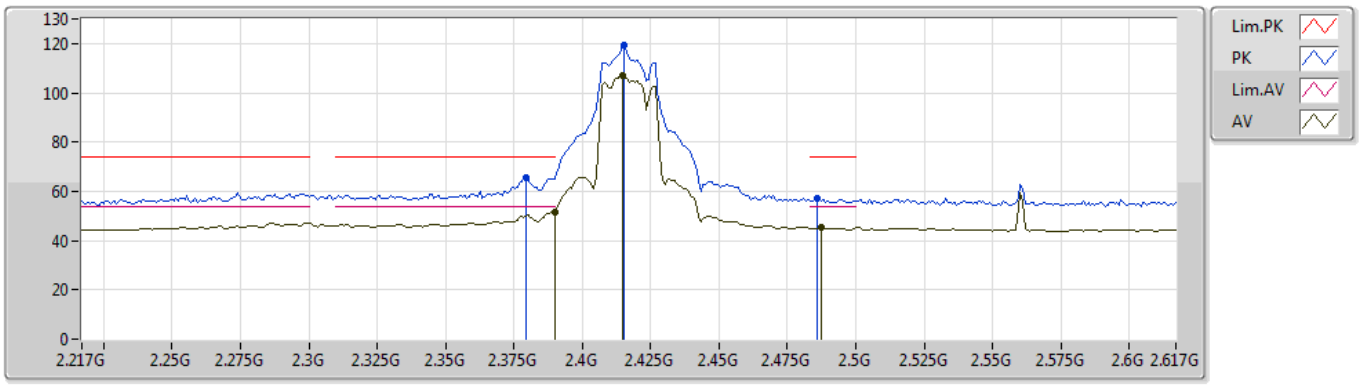
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82826G	53.59	74.00	-20.41	3.52	3	Horizontal	340	1.82	-	50.07
AV	4.82796G	42.99	54.00	-11.01	3.52	3	Horizontal	340	1.82	-	39.47

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

02/03/2020



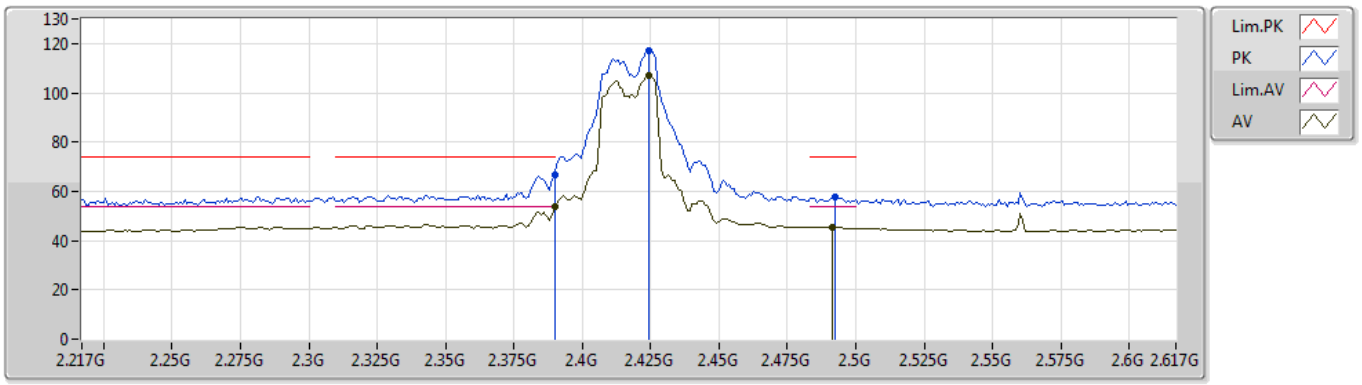
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3794G	65.79	74.00	-8.21	30.22	3	Vertical	353	1.07	-	35.57
AV	2.3898G	51.82	54.00	-2.18	30.21	3	Vertical	353	1.07	-	21.61
PK	2.4154G	119.33	Inf	-Inf	30.26	3	Vertical	353	1.07	-	89.07
AV	2.4146G	107.01	Inf	-Inf	30.26	3	Vertical	353	1.07	-	76.75
PK	2.4858G	56.91	74.00	-17.09	30.54	3	Vertical	353	1.07	-	26.37
AV	2.4874G	45.42	54.00	-8.58	30.55	3	Vertical	353	1.07	-	14.87

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

02/03/2020



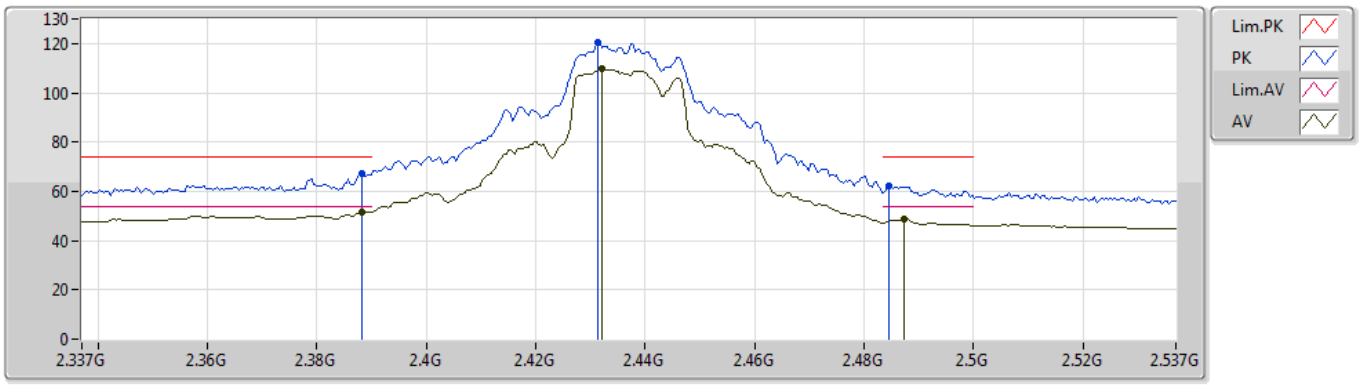
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	66.93	74.00	-7.07	30.21	3	Horizontal	185	1.55	-	36.72
AV	2.3898G	53.67	54.00	-0.33	30.21	3	Horizontal	185	1.55	-	23.46
PK	2.4242G	117.34	Inf	-Inf	30.30	3	Horizontal	185	1.55	-	87.04
AV	2.4242G	107.28	Inf	-Inf	30.30	3	Horizontal	185	1.55	-	76.98
PK	2.4922G	57.52	74.00	-16.48	30.57	3	Horizontal	185	1.55	-	26.95
AV	2.4914G	45.63	54.00	-8.37	30.57	3	Horizontal	185	1.55	-	15.06

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



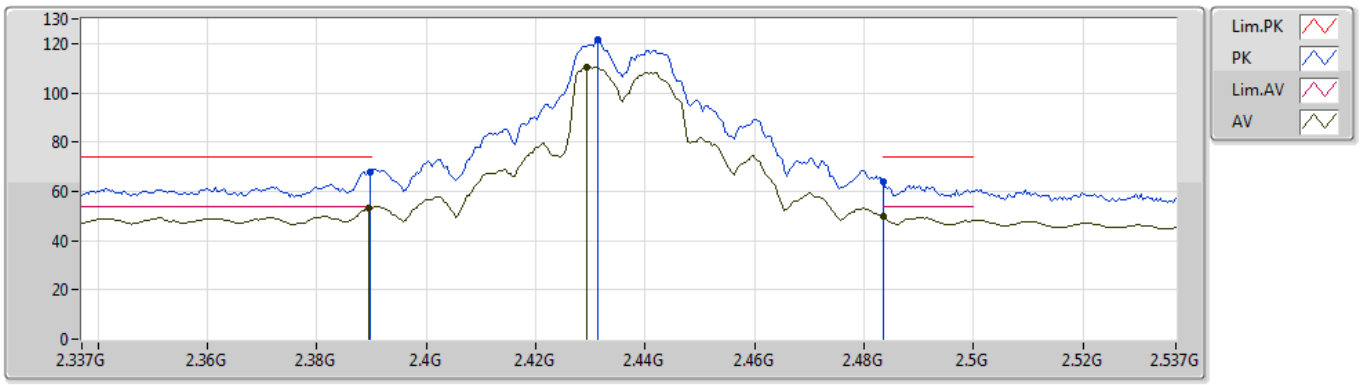
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3882G	67.25	74.00	-6.75	30.21	3	Vertical	2	1.29	-	37.04
AV	2.3882G	51.61	54.00	-2.39	30.21	3	Vertical	2	1.29	-	21.40
PK	2.4314G	120.41	Inf	-Inf	30.33	3	Vertical	2	1.29	-	90.08
AV	2.4322G	109.85	Inf	-Inf	30.33	3	Vertical	2	1.29	-	79.52
PK	2.4846G	62.39	74.00	-11.61	30.54	3	Vertical	2	1.29	-	31.85
AV	2.4874G	48.60	54.00	-5.40	30.55	3	Vertical	2	1.29	-	18.05

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



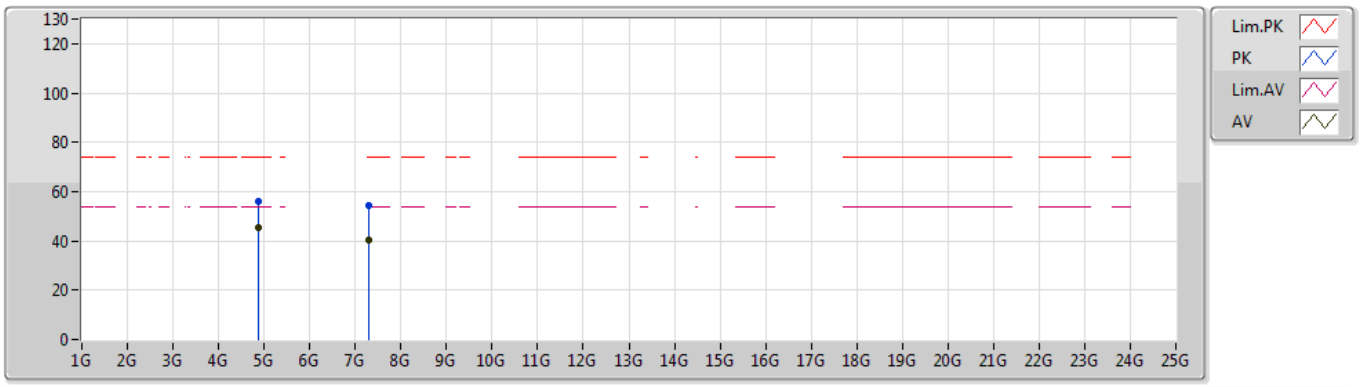
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	68.04	74.00	-5.96	30.21	3	Horizontal	0	1.84	-	37.83
AV	2.3894G	53.12	54.00	-0.88	30.21	3	Horizontal	0	1.84	-	22.91
PK	2.4314G	121.54	Inf	-Inf	30.33	3	Horizontal	0	1.84	-	91.21
AV	2.4294G	110.54	Inf	-Inf	30.32	3	Horizontal	0	1.84	-	80.22
PK	2.4835G	64.14	74.00	-9.86	30.53	3	Horizontal	0	1.84	-	33.61
AV	2.4835G	49.65	54.00	-4.35	30.53	3	Horizontal	0	1.84	-	19.12

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



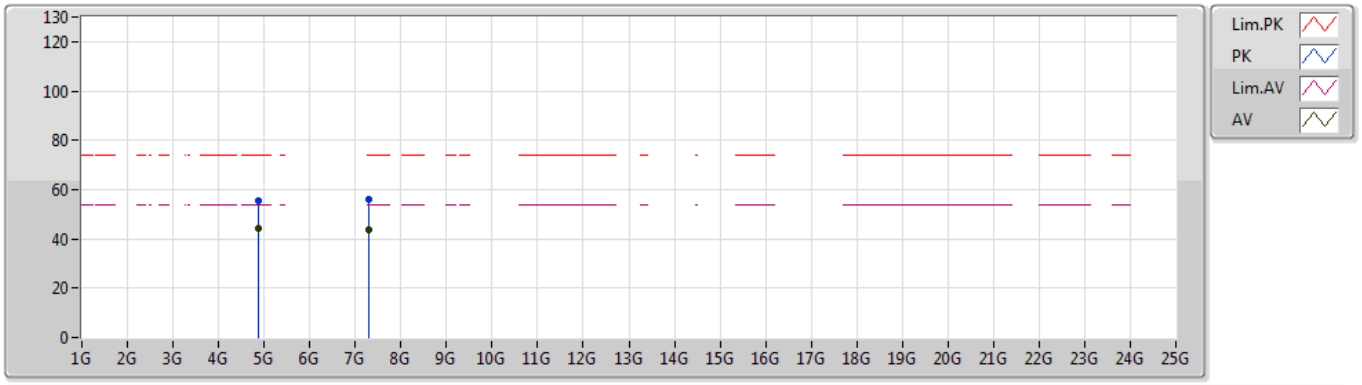
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87504G	56.28	74.00	-17.72	3.80	3	Vertical	93	1.64	-	52.48
AV	4.87376G	45.33	54.00	-8.67	3.80	3	Vertical	93	1.64	-	41.53
PK	7.30628G	54.44	74.00	-19.56	9.04	3	Vertical	277	2.96	-	45.40
AV	7.3066G	40.55	54.00	-13.45	9.04	3	Vertical	277	2.96	-	31.51

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



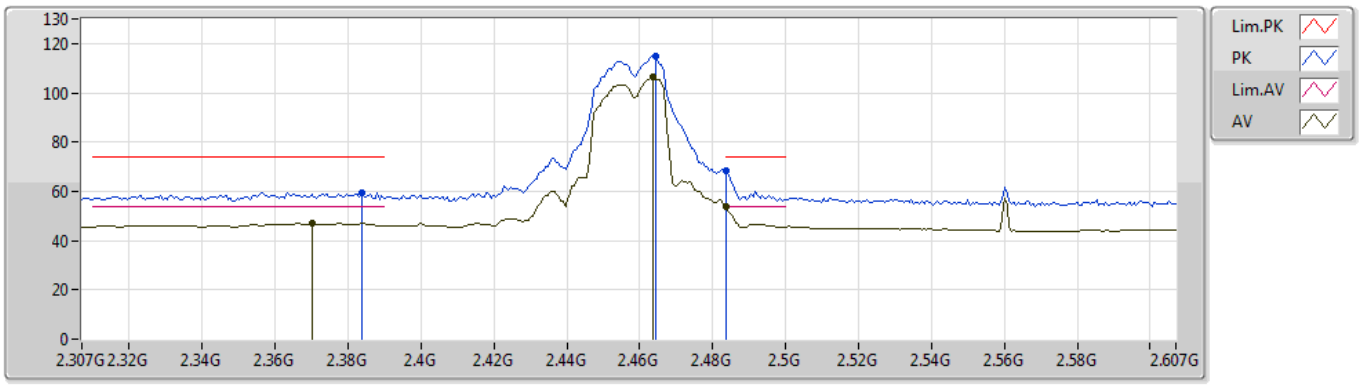
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87512G	55.66	74.00	-18.34	3.80	3	Horizontal	68	1.76	-	51.86
AV	4.87512G	44.18	54.00	-9.82	3.80	3	Horizontal	68	1.76	-	40.38
PK	7.30924G	55.85	74.00	-18.15	9.05	3	Horizontal	165	1.44	-	46.80
AV	7.31012G	43.81	54.00	-10.19	9.05	3	Horizontal	165	1.44	-	34.76

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

02/03/2020



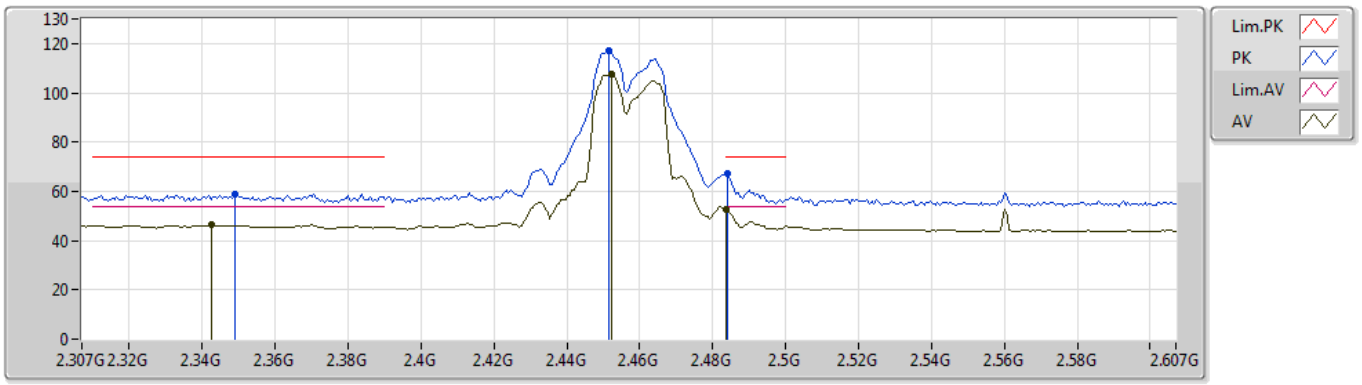
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3838G	59.66	74.00	-14.34	30.22	3	Vertical	313	2.65	-	29.44
AV	2.37G	47.00	54.00	-7.00	30.23	3	Vertical	313	2.65	-	16.77
PK	2.4642G	115.14	Inf	-Inf	30.46	3	Vertical	313	2.65	-	84.68
AV	2.4636G	106.19	Inf	-Inf	30.45	3	Vertical	313	2.65	-	75.74
PK	2.4835G	68.27	74.00	-5.73	30.53	3	Vertical	313	2.65	-	37.74
AV	2.4835G	53.97	54.00	-0.03	30.53	3	Vertical	313	2.65	-	23.44

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

02/03/2020



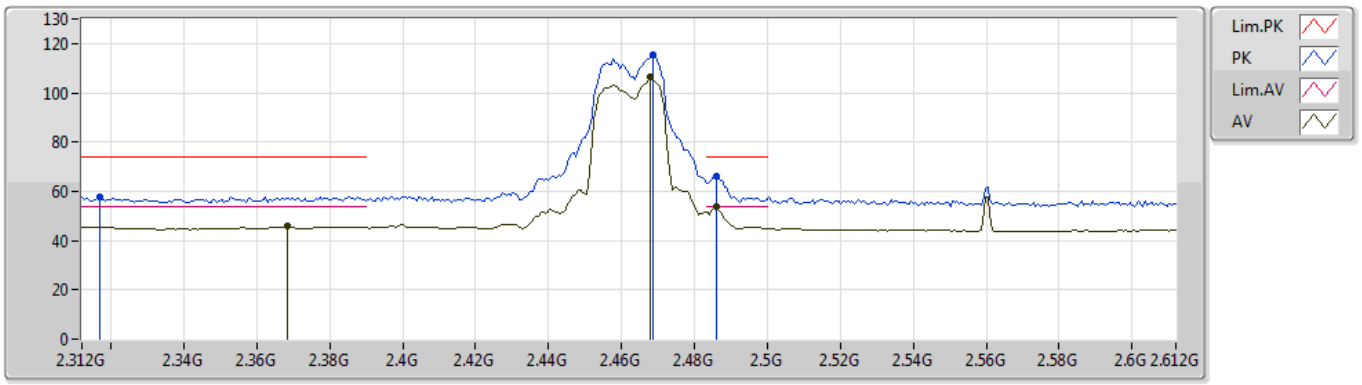
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.349G	58.84	74.00	-15.16	30.25	3	Horizontal	159	1.02	-	28.59
AV	2.3424G	46.27	54.00	-7.73	30.26	3	Horizontal	159	1.02	-	16.01
PK	2.4516G	117.25	Inf	-Inf	30.41	3	Horizontal	159	1.02	-	86.84
AV	2.4522G	107.65	Inf	-Inf	30.41	3	Horizontal	159	1.02	-	77.24
PK	2.484G	67.14	74.00	-6.86	30.54	3	Horizontal	159	1.02	-	36.60
AV	2.4835G	52.84	54.00	-1.16	30.53	3	Horizontal	159	1.02	-	22.31

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

02/03/2020



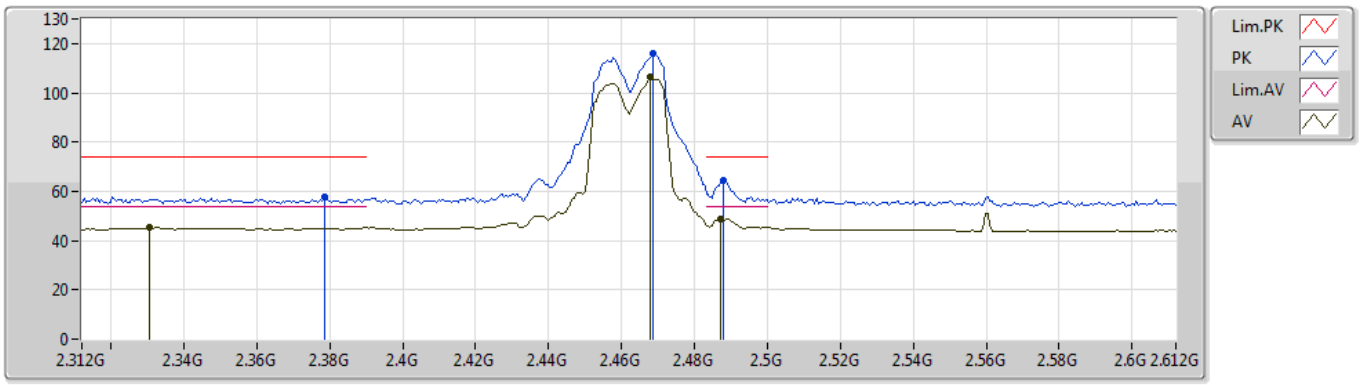
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3168G	57.99	74.00	-16.01	30.28	3	Vertical	332	2.77	-	27.71
AV	2.3684G	45.77	54.00	-8.23	30.23	3	Vertical	332	2.77	-	15.54
PK	2.4686G	115.52	Inf	-Inf	30.47	3	Vertical	332	2.77	-	85.05
AV	2.468G	106.37	Inf	-Inf	30.47	3	Vertical	332	2.77	-	75.90
PK	2.486G	66.10	74.00	-7.90	30.54	3	Vertical	332	2.77	-	35.56
AV	2.486G	53.74	54.00	-0.26	30.54	3	Vertical	332	2.77	-	23.20

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

02/03/2020



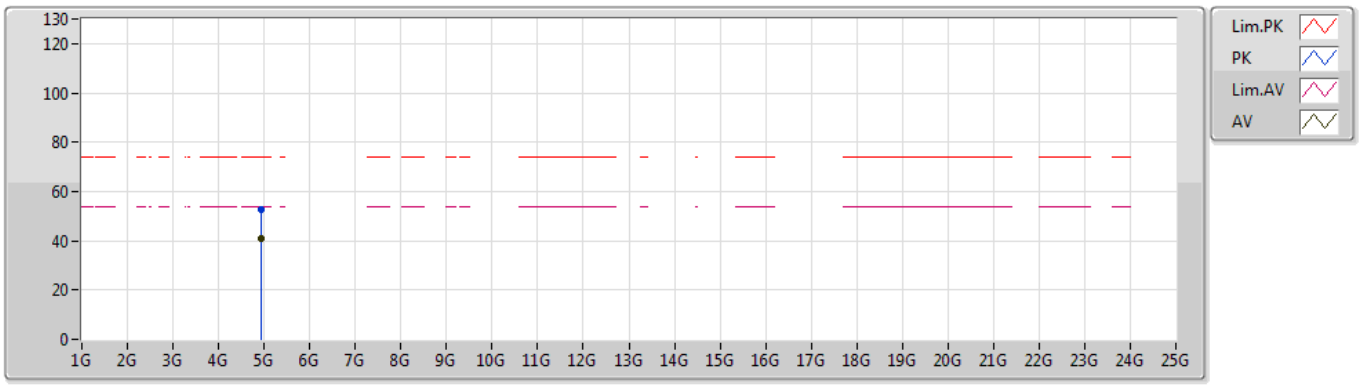
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3786G	57.93	74.00	-16.07	30.22	3	Horizontal	172	1.52	-	27.71
AV	2.3306G	45.18	54.00	-8.82	30.27	3	Horizontal	172	1.52	-	14.91
PK	2.4686G	116.22	Inf	-Inf	30.47	3	Horizontal	172	1.52	-	85.75
AV	2.468G	106.41	Inf	-Inf	30.47	3	Horizontal	172	1.52	-	75.94
PK	2.4878G	64.22	74.00	-9.78	30.55	3	Horizontal	172	1.52	-	33.67
AV	2.4872G	48.99	54.00	-5.01	30.55	3	Horizontal	172	1.52	-	18.44

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

02/03/2020



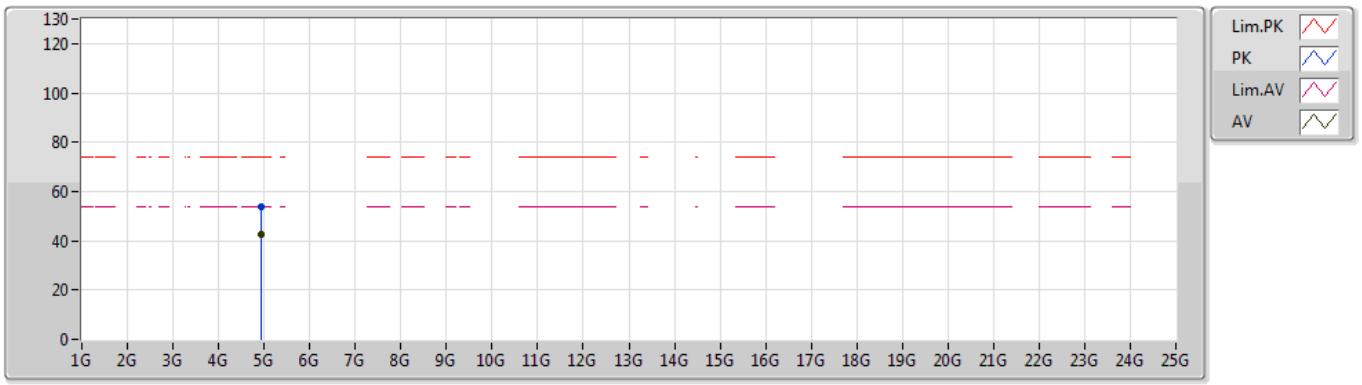
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.9284G	52.54	74.00	-21.46	4.06	3	Vertical	96	1.50	-	48.48
AV	4.9284G	40.87	54.00	-13.13	4.06	3	Vertical	96	1.50	-	36.81

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

02/03/2020



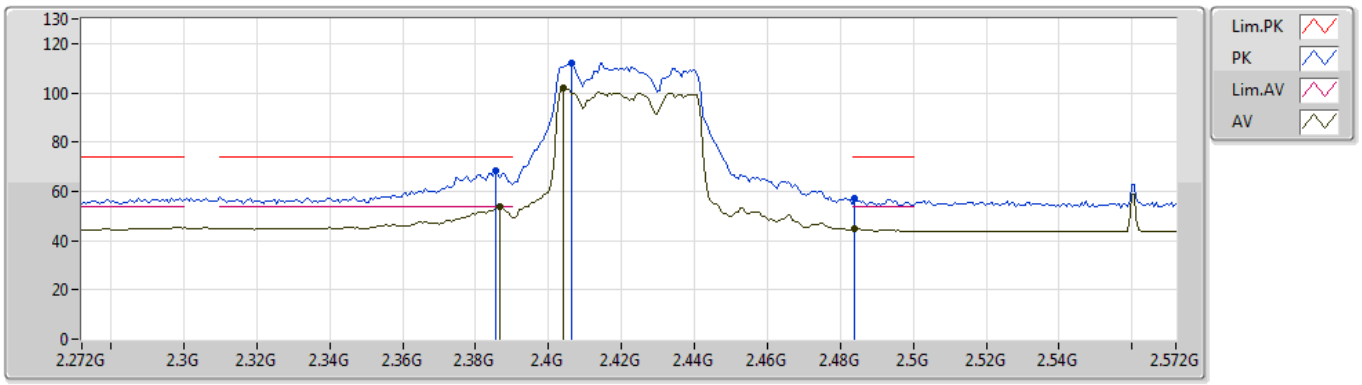
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92576G	53.61	74.00	-20.39	4.05	3	Horizontal	329	1.89	-	49.56
AV	4.92728G	42.68	54.00	-11.32	4.05	3	Horizontal	329	1.89	-	38.63

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

02/03/2020



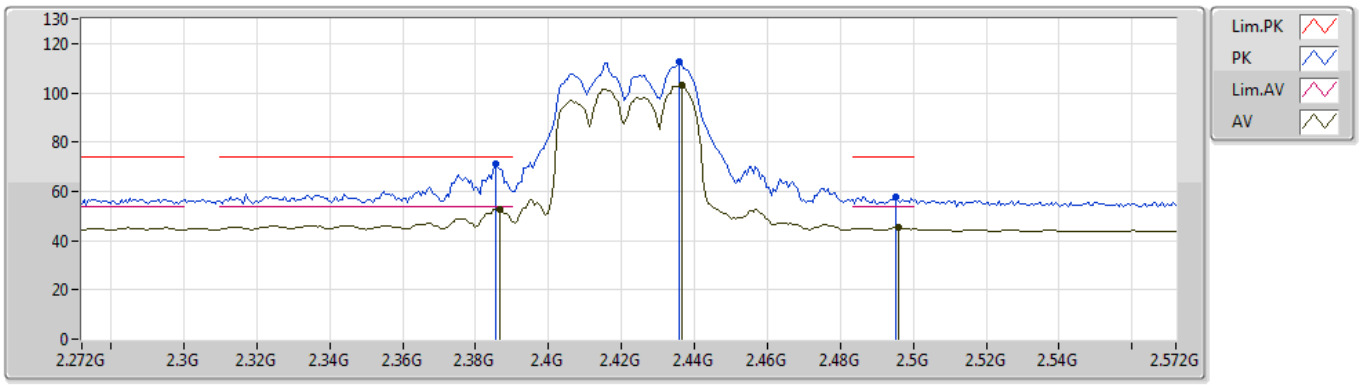
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3854G	68.24	74.00	-5.76	30.21	3	Vertical	334	1.63	-	38.03
AV	2.3866G	53.94	54.00	-0.06	30.21	3	Vertical	334	1.63	-	23.73
PK	2.4064G	112.05	Inf	-Inf	30.23	3	Vertical	334	1.63	-	81.82
AV	2.404G	101.77	Inf	-Inf	30.22	3	Vertical	334	1.63	-	71.55
PK	2.4838G	56.99	74.00	-17.01	30.54	3	Vertical	334	1.63	-	26.45
AV	2.4838G	44.72	54.00	-9.28	30.54	3	Vertical	334	1.63	-	14.18

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

02/03/2020



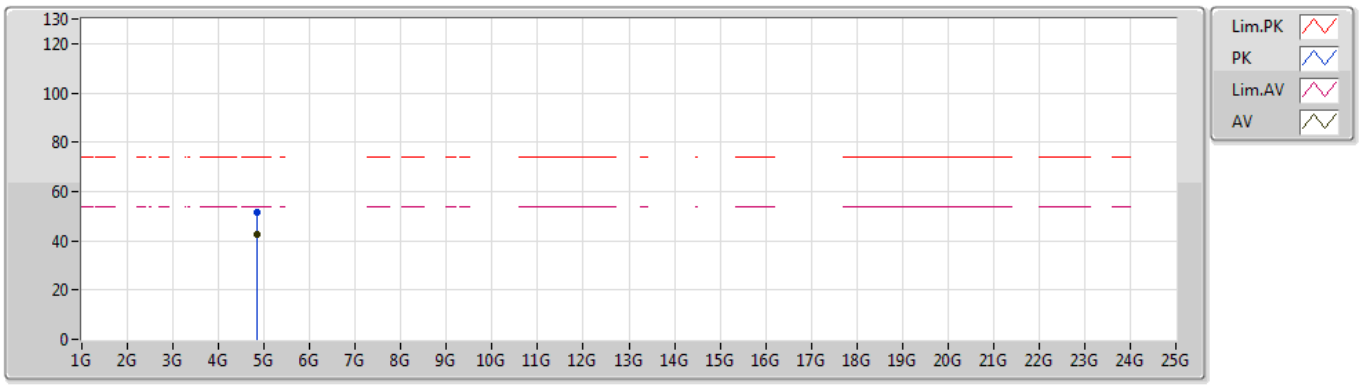
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3854G	71.24	74.00	-2.76	30.21	3	Horizontal	155	2.81	-	41.03
AV	2.3866G	52.81	54.00	-1.19	30.21	3	Horizontal	155	2.81	-	22.60
PK	2.4358G	112.40	Inf	-Inf	30.34	3	Horizontal	155	2.81	-	82.06
AV	2.4364G	102.88	Inf	-Inf	30.35	3	Horizontal	155	2.81	-	72.53
PK	2.4952G	57.97	74.00	-16.03	30.58	3	Horizontal	155	2.81	-	27.39
AV	2.4958G	45.22	54.00	-8.78	30.58	3	Horizontal	155	2.81	-	14.64

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

02/03/2020



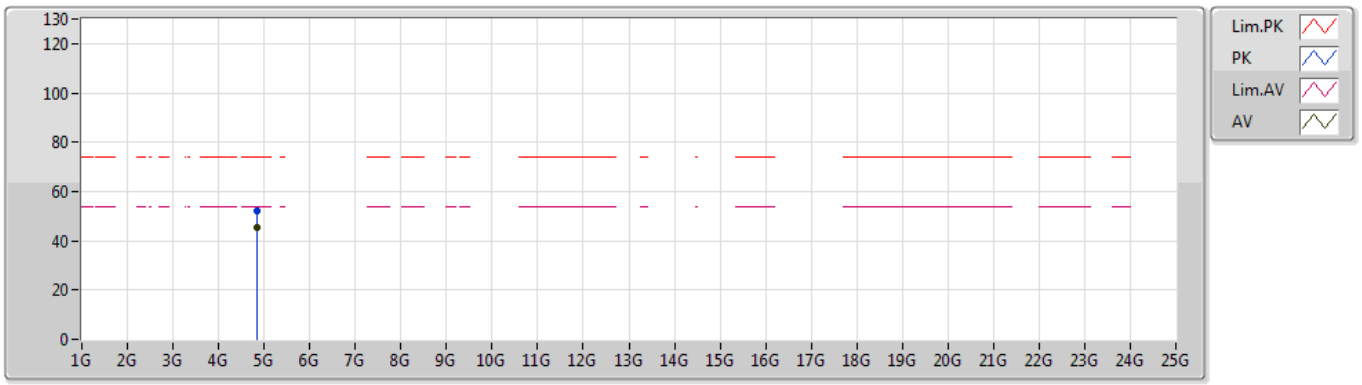
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.84304G	51.81	74.00	-22.19	3.61	3	Vertical	82	1.27	-	48.20
AV	4.84364G	42.50	54.00	-11.50	3.62	3	Vertical	82	1.27	-	38.88

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

02/03/2020



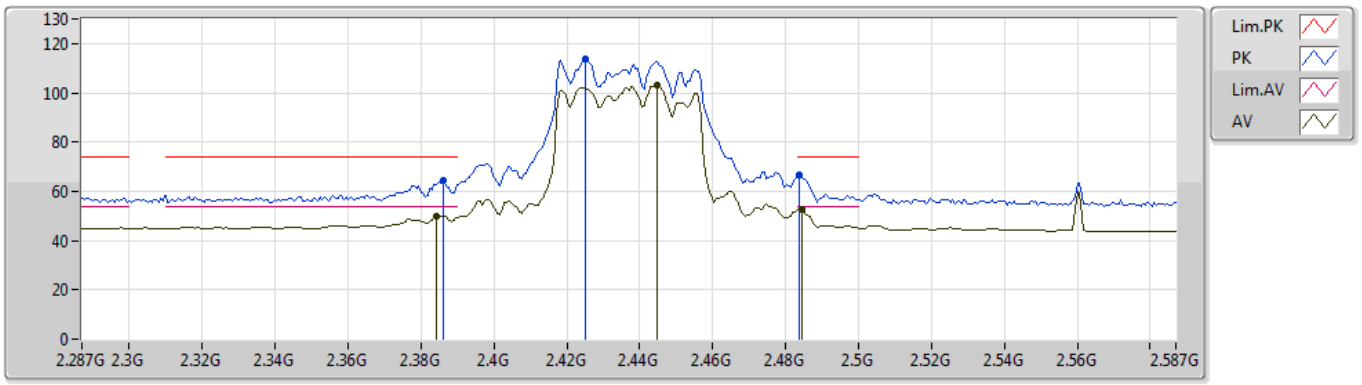
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.84376G	52.29	74.00	-21.71	3.63	3	Horizontal	78	1.72	-	48.66
AV	4.84376G	45.20	54.00	-8.80	3.63	3	Horizontal	78	1.72	-	41.57

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



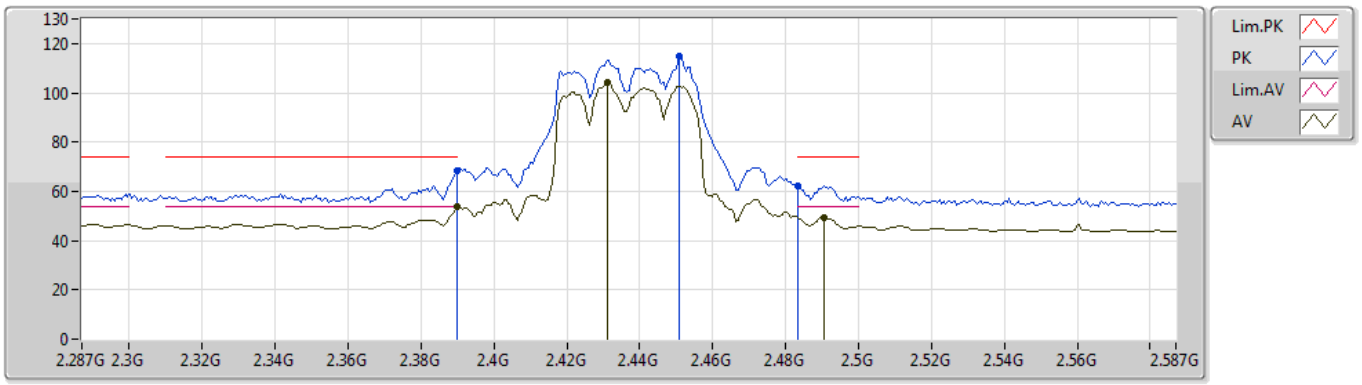
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.386G	64.67	74.00	-9.33	30.21	3	Vertical	300	2.55	-	34.46
AV	2.3842G	50.14	54.00	-3.86	30.22	3	Vertical	300	2.55	-	19.92
PK	2.425G	113.76	Inf	-Inf	30.30	3	Vertical	300	2.55	-	83.46
AV	2.4448G	103.20	Inf	-Inf	30.38	3	Vertical	300	2.55	-	72.82
PK	2.4838G	66.48	74.00	-7.52	30.54	3	Vertical	300	2.55	-	35.94
AV	2.4844G	52.70	54.00	-1.30	30.54	3	Vertical	300	2.55	-	22.16

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



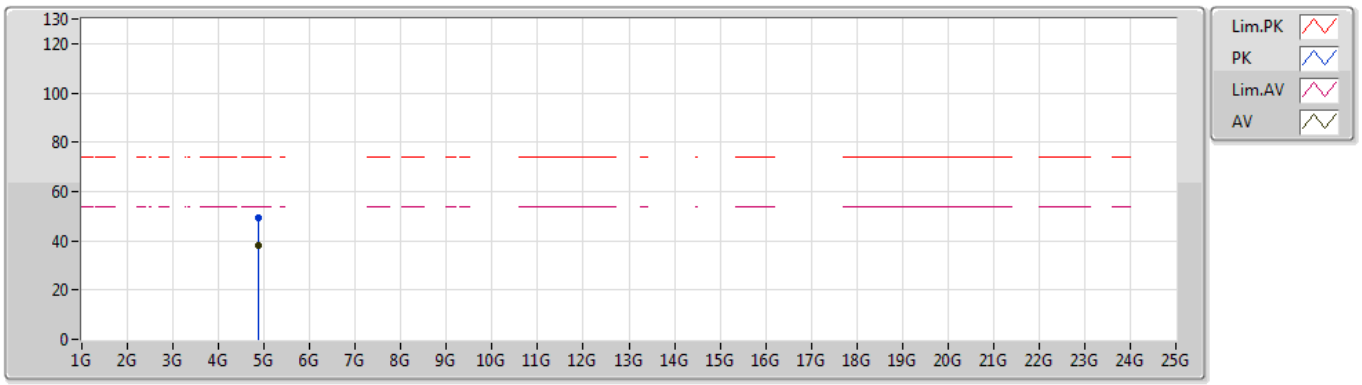
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	68.20	74.00	-5.80	30.21	3	Horizontal	149	1.73	-	37.99
AV	2.39G	53.75	54.00	-0.25	30.21	3	Horizontal	149	1.73	-	23.54
PK	2.4508G	114.86	Inf	-Inf	30.40	3	Horizontal	149	1.73	-	84.46
AV	2.431G	104.07	Inf	-Inf	30.32	3	Horizontal	149	1.73	-	73.75
PK	2.4835G	62.46	74.00	-11.54	30.53	3	Horizontal	149	1.73	-	31.93
AV	2.4904G	49.41	54.00	-4.59	30.56	3	Horizontal	149	1.73	-	18.85

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



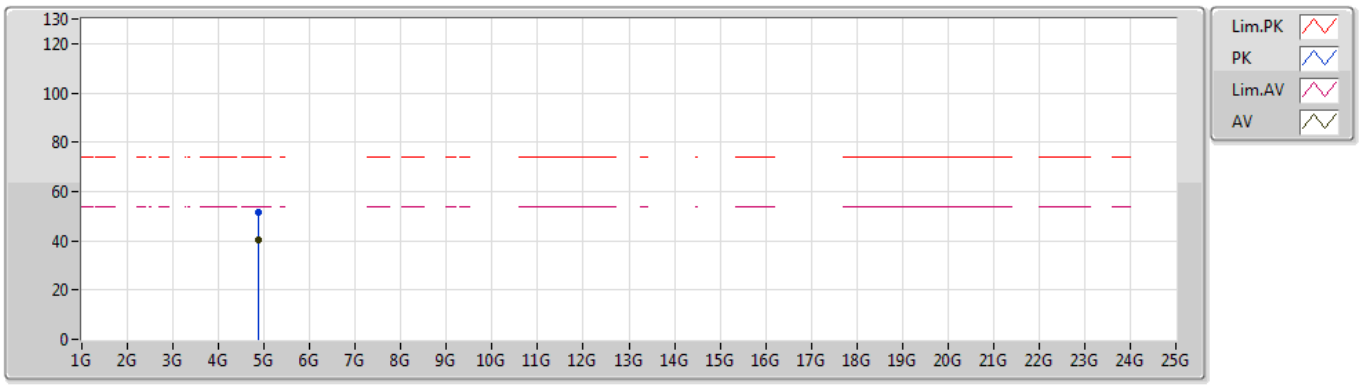
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.8722G	49.29	74.00	-24.71	3.79	3	Vertical	47	1.21	-	45.50
AV	4.8727G	38.12	54.00	-15.88	3.79	3	Vertical	47	1.21	-	34.33

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

02/03/2020



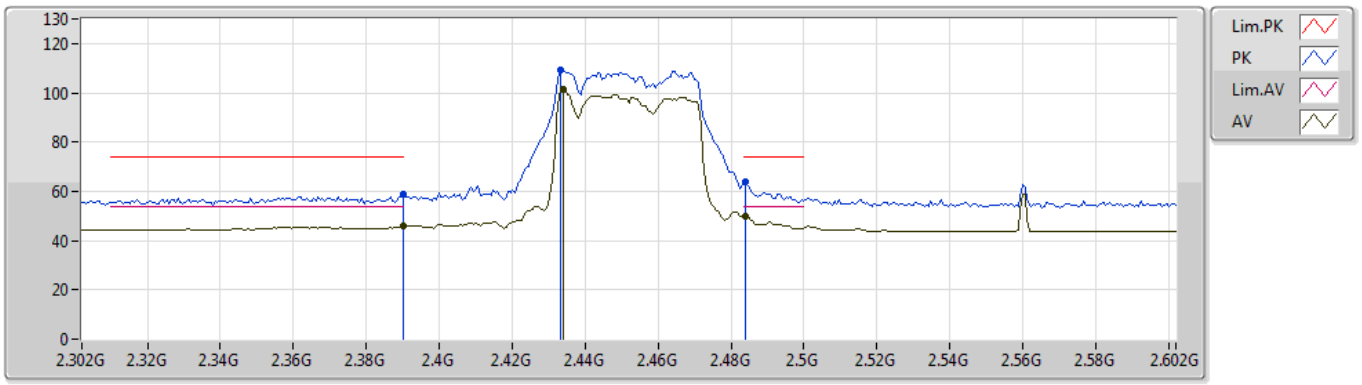
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.8775G	51.39	74.00	-22.61	3.82	3	Horizontal	336	2.04	-	47.57
AV	4.8768G	40.34	54.00	-13.66	3.82	3	Horizontal	336	2.04	-	36.52

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

02/03/2020



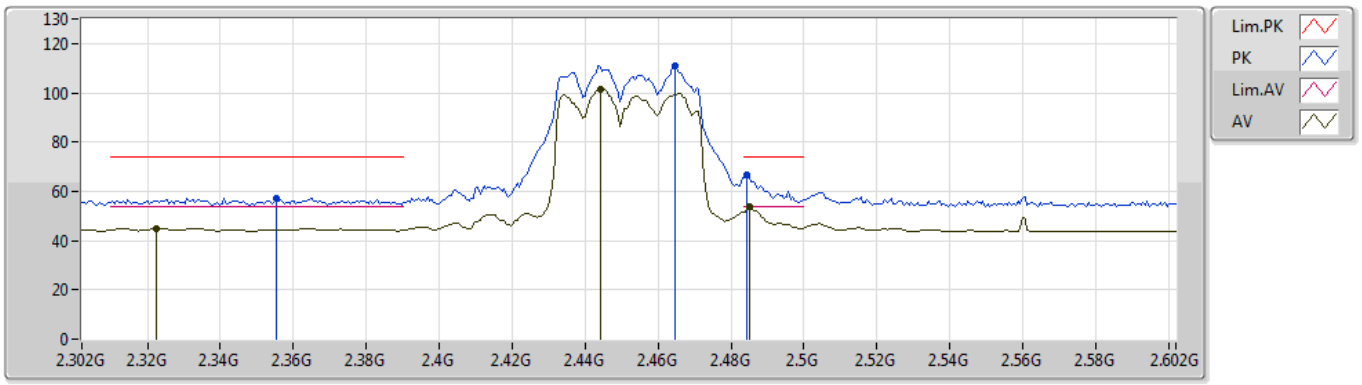
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	58.99	74.00	-15.01	30.21	3	Vertical	8	1.26	-	28.78
AV	2.39G	46.02	54.00	-7.98	30.21	3	Vertical	8	1.26	-	15.81
PK	2.4334G	109.19	Inf	-Inf	30.33	3	Vertical	8	1.26	-	78.86
AV	2.434G	101.19	Inf	-Inf	30.34	3	Vertical	8	1.26	-	70.85
PK	2.4838G	64.00	74.00	-10.00	30.54	3	Vertical	8	1.26	-	33.46
AV	2.4838G	49.63	54.00	-4.37	30.54	3	Vertical	8	1.26	-	19.09

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

02/03/2020



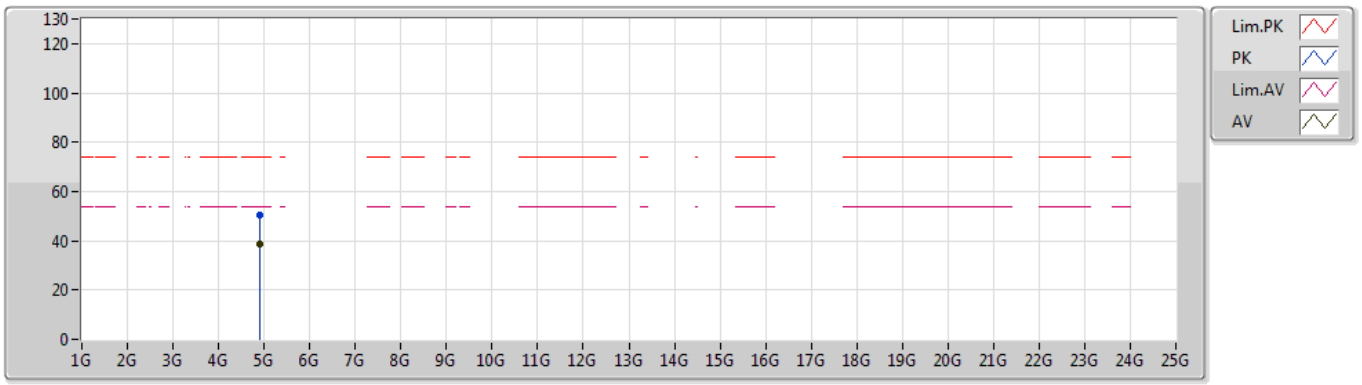
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3554G	57.28	74.00	-16.72	30.24	3	Horizontal	135	1.50	-	27.04
AV	2.3224G	44.94	54.00	-9.06	30.28	3	Horizontal	135	1.50	-	14.66
PK	2.4646G	110.72	Inf	-Inf	30.46	3	Horizontal	135	1.50	-	80.26
AV	2.4442G	101.34	Inf	-Inf	30.38	3	Horizontal	135	1.50	-	70.96
PK	2.4844G	66.45	74.00	-7.55	30.54	3	Horizontal	135	1.50	-	35.91
AV	2.485G	53.54	54.00	-0.46	30.54	3	Horizontal	135	1.50	-	23.00

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

02/03/2020



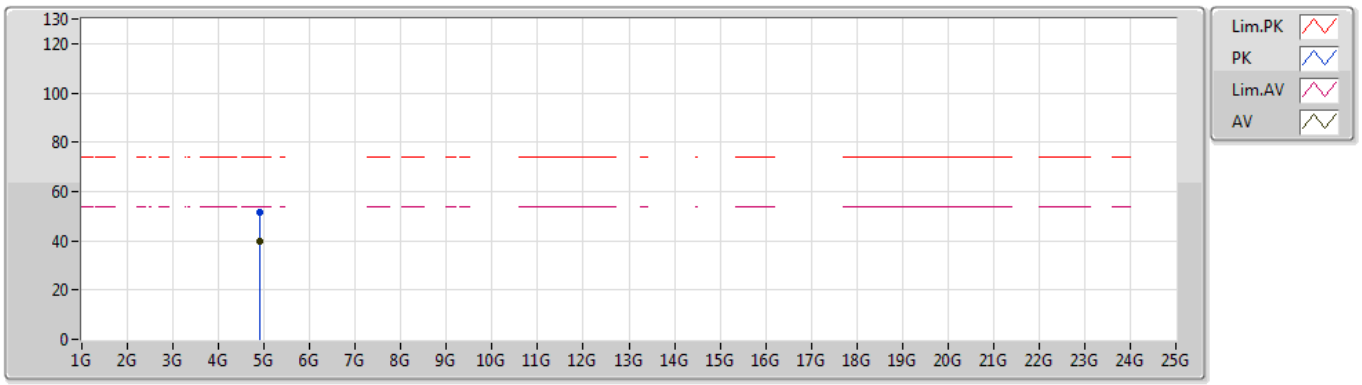
EUT Y_4TX
04-F-W-3

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.9089G	50.51	74.00	-23.49	3.98	3	Vertical	94	1.71	-	46.53
AV	4.903G	38.68	54.00	-15.32	3.96	3	Vertical	94	1.71	-	34.72

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

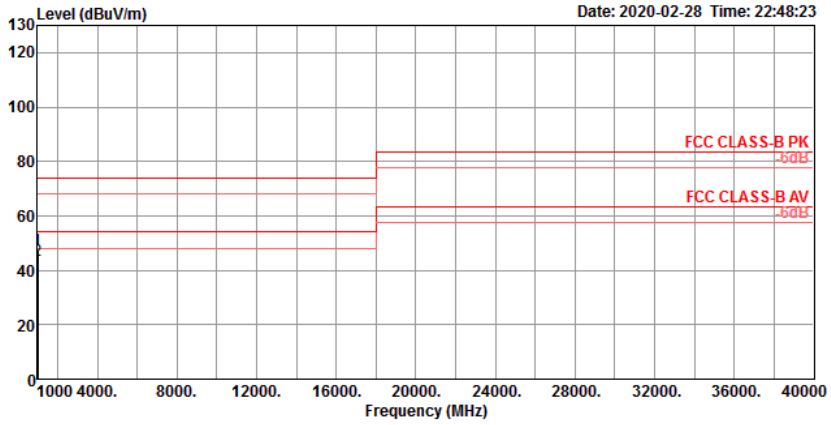
02/03/2020



EUT Y_4TX
04-F-W-3

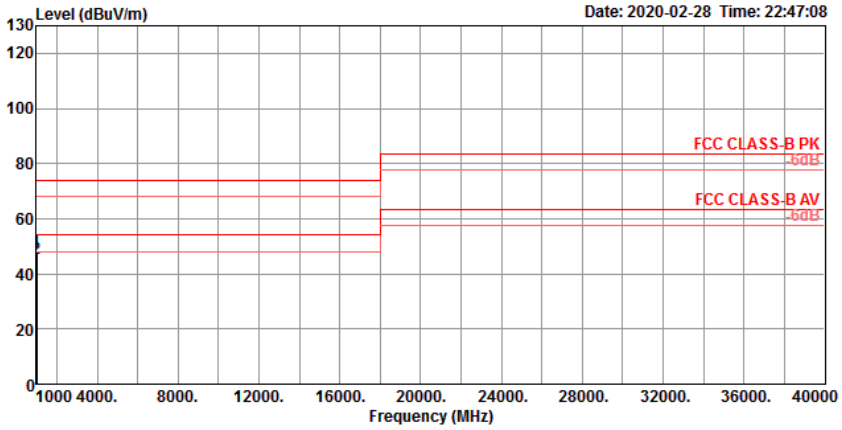
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.9081G	51.62	74.00	-22.38	3.98	3	Horizontal	330	1.96	-	47.64
AV	4.9061G	39.68	54.00	-14.32	3.97	3	Horizontal	330	1.96	-	35.71

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1012.38	47.48	74.00	-26.52	57.08	2.68	24.48	36.76	115	220	Peak	HORIZONTAL
2	1012.51	43.41	54.00	-10.59	53.01	2.68	24.48	36.76	115	220	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1012.34	48.11	74.00	-25.89	57.71	2.68	24.48	36.76	136	107	Peak	VERTICAL
2	1012.53	45.38	54.00	-8.62	54.98	2.68	24.48	36.76	136	107	Average	VERTICAL