Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	2AYRA-03639
Equipment	:	Velop AX5400 WiFi 6 System
Brand Name	:	LINKSYS
Model Name	:	MX5500, MX55EC, MX55MS, MX55WH
Applicant	:	Linksys USA, Inc. 12045 East Waterfront Drive Playa Vista, CA 90094, United States.
Standard	:	47 CFR FCC Part 15.247

The product was received on Feb. 03, 2021, and testing was started from Feb. 03, 2021 and completed on May 11, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Cliff Chang

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR122657AA	01	Initial issue of report	May 27, 2021

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: Sam Chen
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), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n (HT20)	20	2TX
2.4-2.4835GHz	802.11n (HT20)-BF	20	2TX
2.4-2.4835GHz	VHT 20	20	2TX
2.4-2.4835GHz	VHT 20-BF	20	2TX
2.4-2.4835GHz	802.11ax (HEW20)	20	2TX
2.4-2.4835GHz	802.11ax (HEW20)-BF	20	2TX
2.4-2.4835GHz	802.11n (HT40)	40	2TX
2.4-2.4835GHz	802.11n (HT40)-BF	40	2TX
2.4-2.4835GHz	VHT 40	40	2TX
2.4-2.4835GHz	VHT 40-BF	40	2TX
2.4-2.4835GHz	802.11ax (HEW40)	40	2TX
2.4-2.4835GHz	802.11ax (HEW40)-BF	40	2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	Bluetooth					
1	2	1	-	Galtronics	02102140-07315-1	PCB	U.FL	Note
2	1	2	-	Galtronics	02102140-07315-2	PCB	U.FL	
3	-	3	-	Galtronics	02102142-07315-1	PCB	U.FL	
4	-	4	-	Galtronics	02102142-07315-2	PCB	U.FL	
5	-	-	1	Galtronics	02036073-07315	PCBA Launched	N/A	

Note:

<Antenna Gain>

Ant.	Port	WLAN Gain (dBi)		
		2.4 GHz	5GHz Band 1	5GHz Band 4
1	1	1.67	2.85	2.84
2	2	1.67	2.85	2.84
3	3	-	4.90	4.60
4	4	-	4.90	4.60

Ant.	Bluetooth Gain (dBi)
5	5.3

< Directional Gain>

Ant.	Port	Gain (dBi)			
		4T1S		4T4S	
		5GHz Band 1	5GHz Band 4	5GHz Band 1	5GHz Band 4
1	1	5.48	5.5	1.58	2.03
2	2				
3	3				
4	4				

Note: The above information was declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (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 Bluetooth Function:

For Bluetooth mode (1TX/1RX)

Only Port 1 can be use as transmit and receive antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.917	0.38	12.625m	100
802.11g	0.938	0.28	1.98m	1k
802.11ax HEW20-BF	0.933	0.3	1.855m	1k
802.11ax HEW40-BF	0.917	0.38	1.955m	1k

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 n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	non-beamforming mode: QSPR V5.0-00196 beamforming mode: DOS V6.1.7601			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
LINKSYS	MX5500	All the models are identical, the difference model served as marketing strategy.
	MX55EC	
	MX55MS	
	MX55WH	

Note 1: From the above models, model: MX5500 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

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

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

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

1.3 Testing Location Information

Testing Location Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Li	21.2-23.2 / 54-57	Feb. 03, 2021~ Mar. 10, 2021
Radiated (Below 1GHz)	03CH06-CB	Eason Chen	20.1-21.3 / 56-58	Feb. 26, 2021~ May 07, 2021
Radiated (Radiated Emission Co-location)	03CH05-CB	Eason Chen	21.5-22.6 / 55-58	Feb. 26, 2021~ May 07, 2021
Radiated (Above 1GHz)	03CH01-CB	Eason Chen	21-22.2 / 55-57	Feb. 26, 2021~ May 07, 2021
AC Conduction	CO02-CB	Wei Li	23~24 / 57~60	Mar. 26, 2021~ May 11, 2021

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 (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23.5
2437MHz	25
2462MHz	23
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	21
2417MHz	22.5
2437MHz	25
2457MHz	22
2462MHz	20.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	23
2417MHz	25
2437MHz	27
2457MHz	24
2462MHz	24
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	22
2437MHz	24
2452MHz	22

Note:
- There are two modes of EUT for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.
- Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40/ VHT20/VHT40 mode are the same or lower than HEW20/HEW40.

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 + RJ-45 cable 1
2	EUT + Adapter 2 + RJ-45 cable 1
3	EUT + Adapter 3 + RJ-45 cable 1
4	EUT + Adapter 4 + RJ-45 cable 1
For operating mode 2 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	CTX
1	EUT-WLAN 2.4GHz + Adapter 1 + RJ-45 cable 1
2	EUT-WLAN 2.4GHz + Adapter 2 + RJ-45 cable 1
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT-Bluetooth + Adapter 1 + RJ-45 cable 1
4	EUT-WLAN 5GHz + Adapter 1 + RJ-45 cable 1
Mode 1 has been evaluated to be the worst case between Mode 1~4, thus measurement for Mode 5~6 will follow this same test mode.	
5	EUT-WLAN 2.4GHz + Adapter 3 + RJ-45 cable 1
6	EUT-WLAN 2.4GHz + Adapter 4 + RJ-45 cable 1
Mode 1 has been evaluated to be the worst case between Mode 1~6, thus measurement for Mode 7 will follow this same test mode.	
7	EUT-WLAN 2.4GHz + Adapter 1 + RJ-45 cable 2
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX

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+Bluetooth
Refer to Sporton Test Report No.: FA122657 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Z axis position.

2.3 EUT Operation during Test

For CTX Mode:
non-beamforming mode:
The EUT was programmed to be in continuously transmitting mode.

beamforming mode:
During the test, the following programs under WIN 7 were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS V6.1.7601.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link:
During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter 1 (Fixed plug)	Ktec	KSA-24W-120200HU	INPUT: 100-240V~50/60Hz, 0.6A OUTPUT: 12V, 2.0A
Adapter 2 (Fixed plug)	APD	WB-24J12FU	INPUT: 100-240V~50-60Hz, 0.7A Max. OUTPUT: 12V, 2A
Adapter 3 (Removable plug)	Ktec	KSA-24W-120200D5	INPUT: 100-240V~50/60Hz, 0.6A OUTPUT: 12.0V, 2.0A 24.0W
Adapter 4 (Removable plug)	APD	WB-24J12R	INPUT: 100-240V~50-60Hz, 0.7A Max. OUTPUT: 12.0V, 2.0A 24.0W
Other			
US plug*2 (for adapter 3 and adapter 4 use)			
RJ-45 cable 1*1, non-shielded, 1.8m, Type: flat wire			
RJ-45 cable 2*1, non-shielded, 1.8m, Type:round wire			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	iPad	Apple	A1430	N/A

For Radiated (below 1GHz):

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

For Radiated (above 1GHz) and RF Conducted:
For non-beamforming mode:

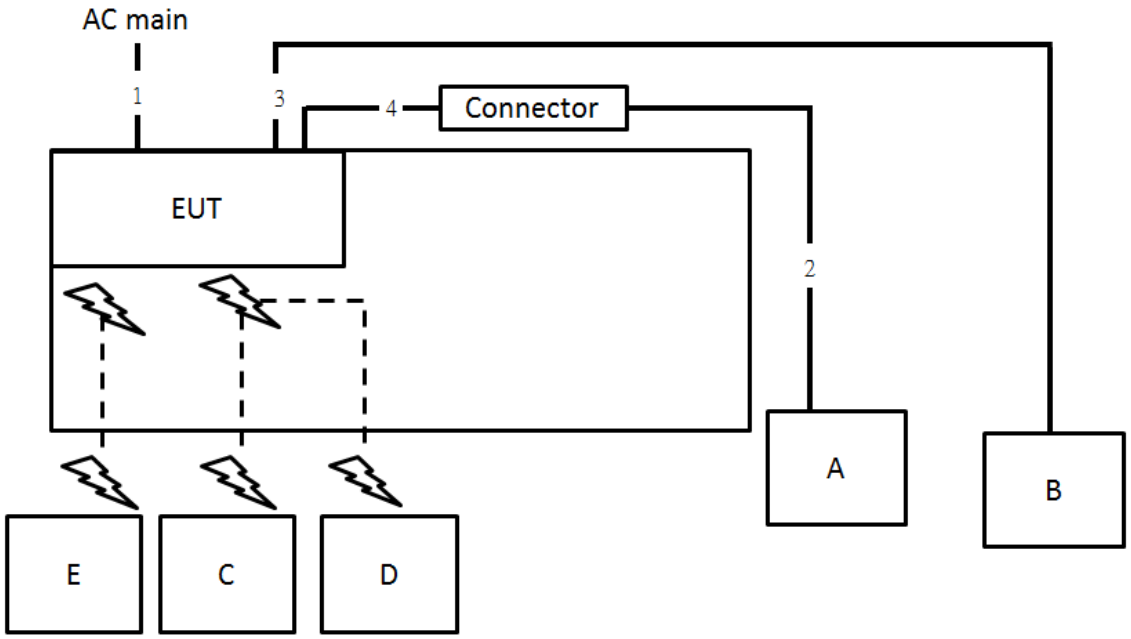
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For beamforming mode:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Client	Cybertan	Dominica	N/A
C	NB	DELL	E4300	N/A

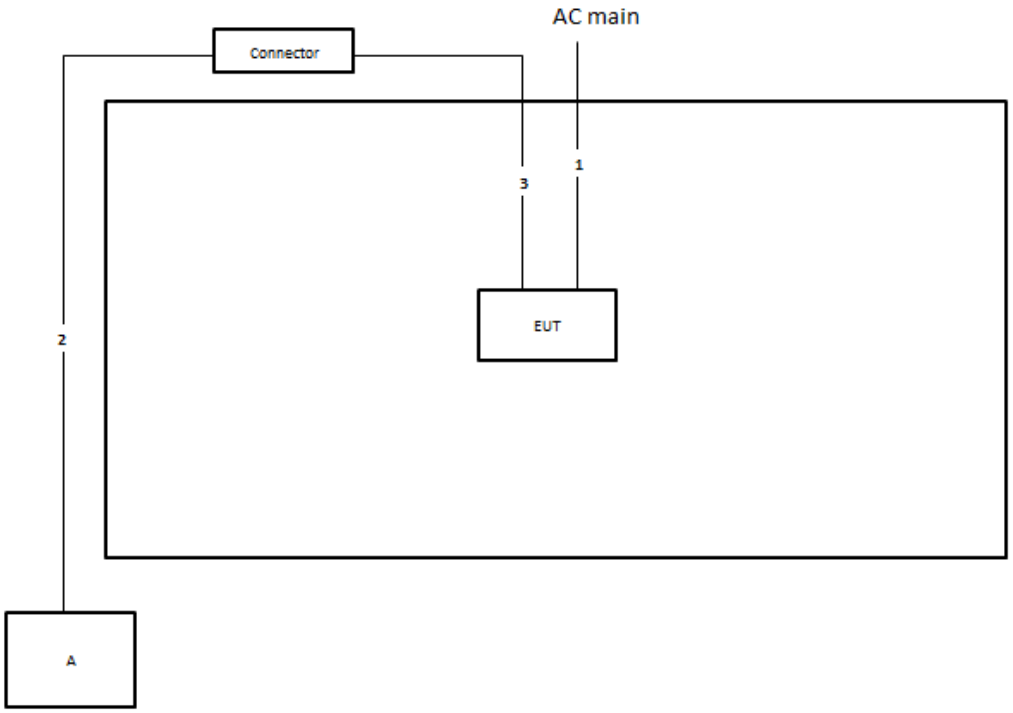
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.8m

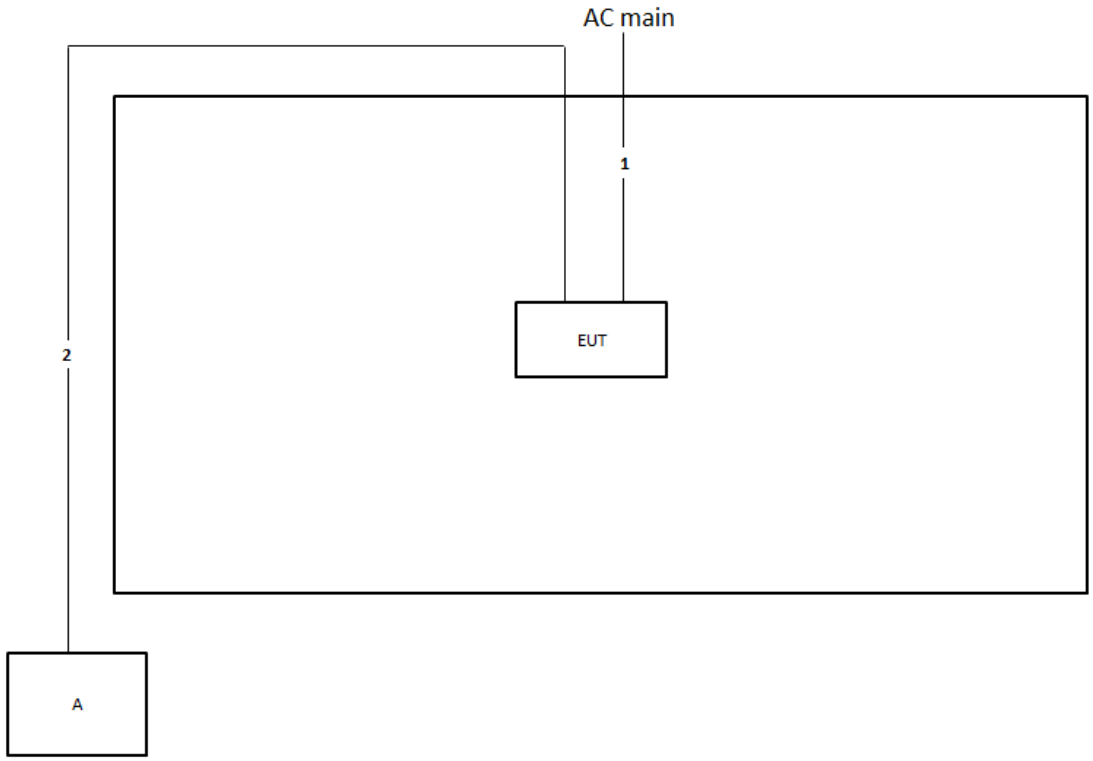
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz

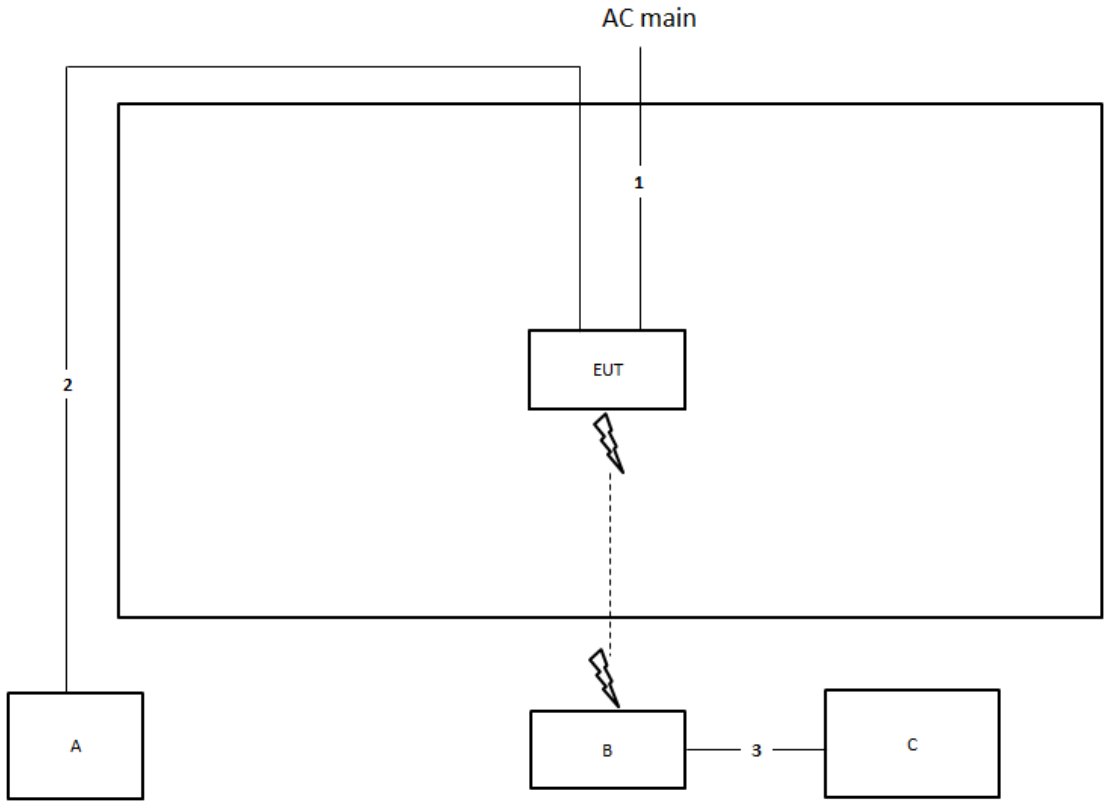
For non-beamforming mode:



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz

For beamforming mode:



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m

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

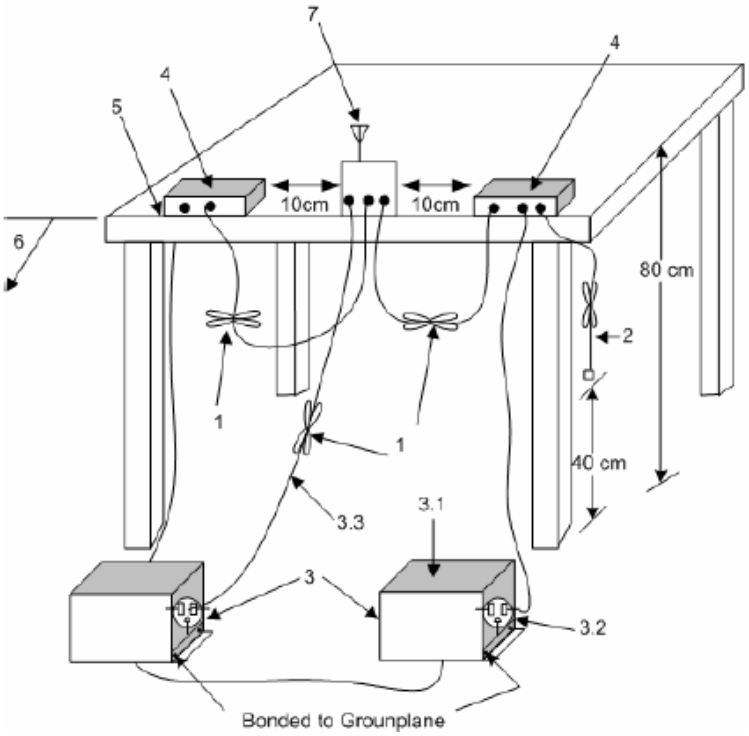
Refer a test equipment and calibration data table in this test report.

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 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

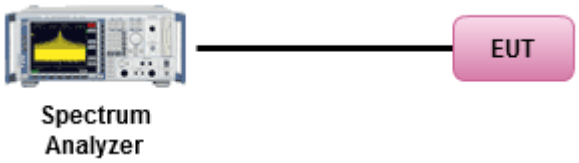
3.2.2 Measuring Instruments

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.		

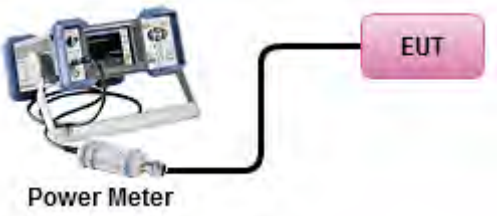
3.3.2 Measuring Instruments

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

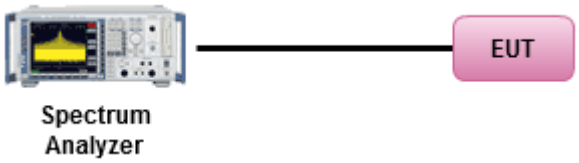
3.4.2 Measuring Instruments

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

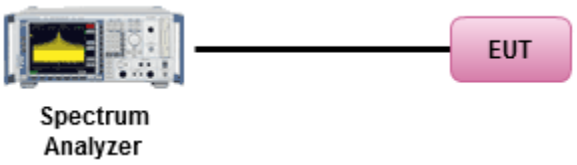
Refer a test equipment and calibration data table in this test report.

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.

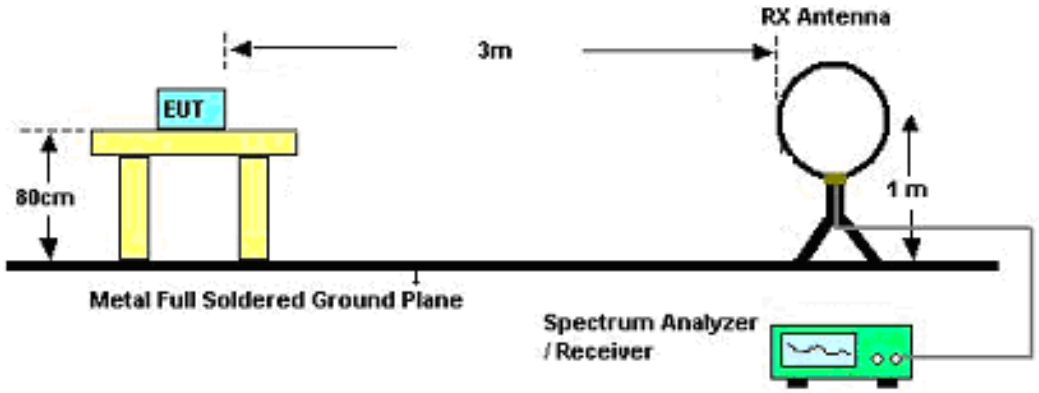
3.6.3 Test Procedures

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.

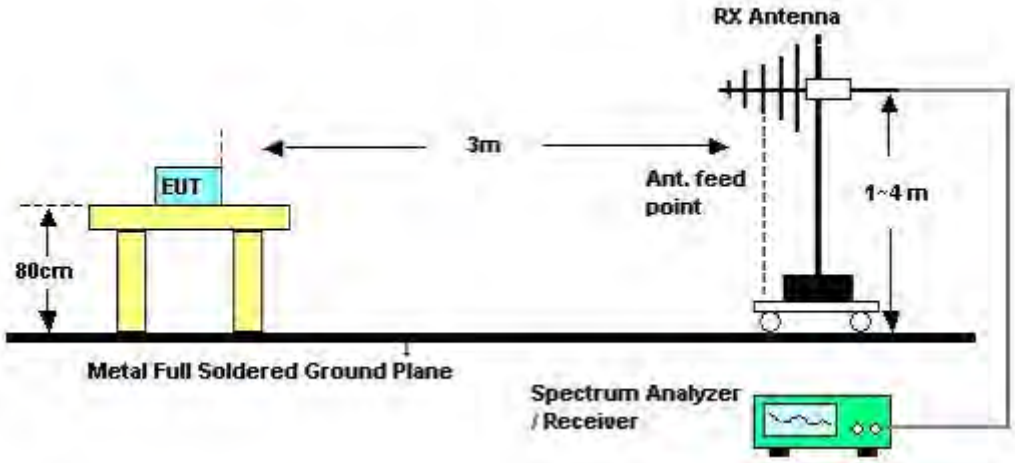
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

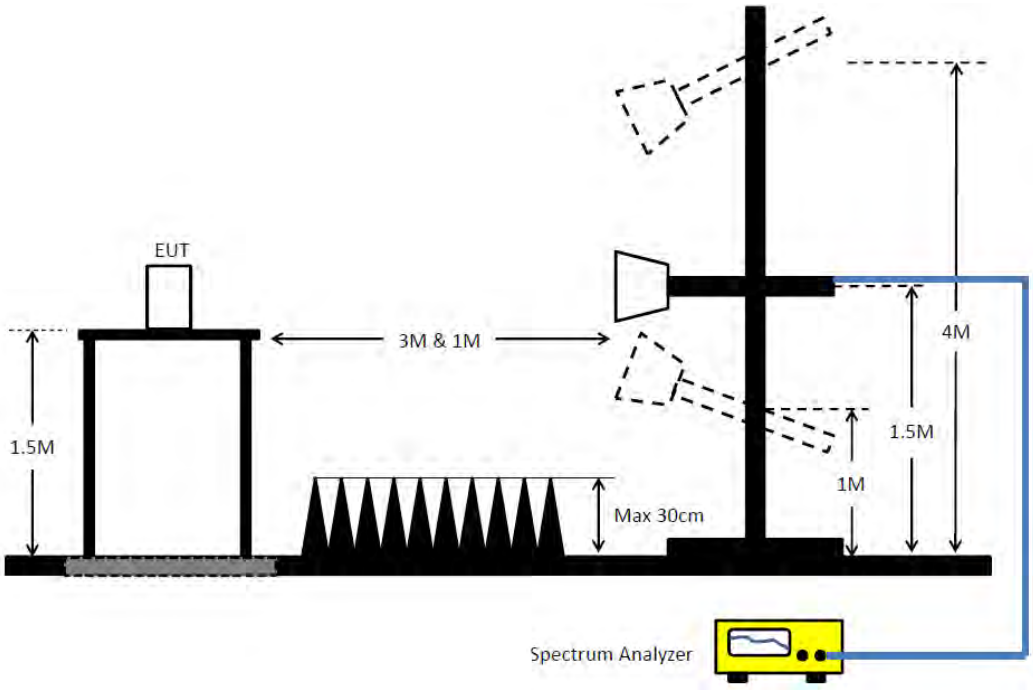
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = 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 10th 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	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz~30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 2022	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09. 2021	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 02, 2020	Aug. 01, 2021	Radiation (03CH06-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH06-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 16, 2021	Mar. 15, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Sep. 05, 2020	Sep. 04, 2021	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 03, 2020	Jul. 02, 2021	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 29, 2020	May 28, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 07, 2021	Jan. 06, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 02, 2020	Sep. 01, 2021	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 02, 2020	Sep. 01, 2021	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

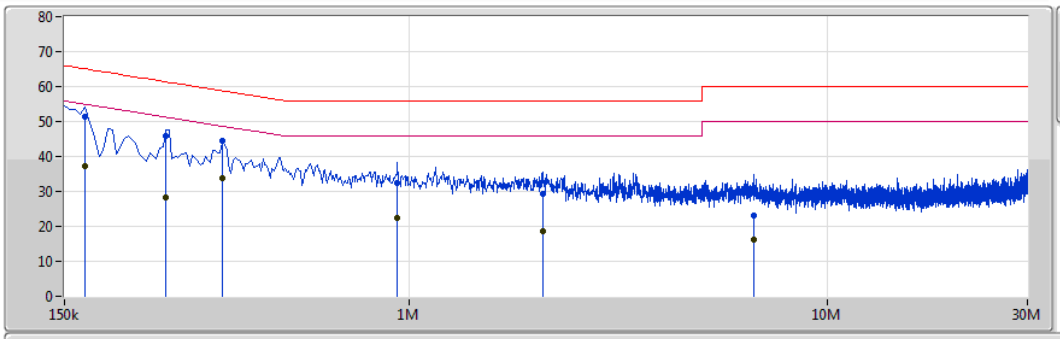
Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	361.5k	36.99	48.70	-11.71	Neutral

Mode 2

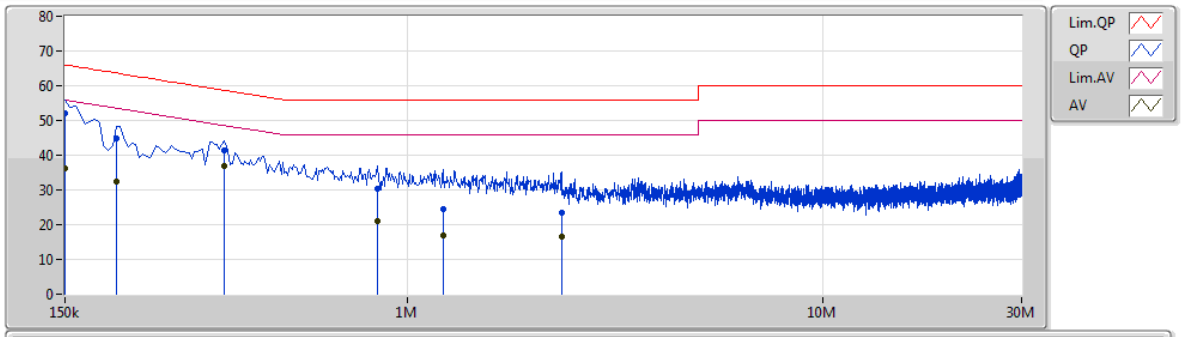
26/03/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168k	51.51	65.06	-13.55	10.29	Line	"Worst"	41.22	0.07	0.07	10.15
AV	168k	37.07	55.06	-17.99	10.29	Line	-	26.78	0.07	0.07	10.15
QP	262.5k	45.73	61.35	-15.62	10.28	Line	-	35.45	0.07	0.07	10.14
AV	262.5k	28.31	51.35	-23.04	10.28	Line	-	18.03	0.07	0.07	10.14
QP	357k	44.36	58.79	-14.43	10.26	Line	-	34.10	0.08	0.06	10.12
AV	357k	33.63	48.79	-15.16	10.26	Line	-	23.37	0.08	0.06	10.12
QP	937.5k	32.31	56.00	-23.69	10.27	Line	-	22.04	0.09	0.08	10.10
AV	937.5k	22.47	46.00	-23.53	10.27	Line	-	12.20	0.09	0.08	10.10
QP	2.081M	29.40	56.00	-26.60	10.34	Line	-	19.06	0.11	0.10	10.13
AV	2.081M	18.72	46.00	-27.28	10.34	Line	-	8.38	0.11	0.10	10.13
QP	6.653M	23.25	60.00	-36.75	10.50	Line	-	12.75	0.21	0.18	10.11
AV	6.653M	16.36	50.00	-33.64	10.50	Line	-	5.86	0.21	0.18	10.11

Mode 2

26/03/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	51.91	66.00	-14.09	10.28	Neutral	-	41.63	0.06	0.07	10.15
AV	150k	36.11	56.00	-19.89	10.28	Neutral	-	25.83	0.06	0.07	10.15
QP	199.5k	44.87	63.63	-18.76	10.29	Neutral	-	34.58	0.06	0.07	10.16
AV	199.5k	32.36	53.63	-21.27	10.29	Neutral	-	22.07	0.06	0.07	10.16
QP	361.5k	41.43	58.70	-17.27	10.24	Neutral	-	31.19	0.06	0.06	10.12
AV	361.5k	36.99	48.70	-11.71	10.24	Neutral	"Worst"	26.75	0.06	0.06	10.12
QP	847.5k	30.27	56.00	-25.73	10.26	Neutral	-	20.01	0.08	0.08	10.10
AV	847.5k	21.15	46.00	-24.85	10.26	Neutral	-	10.89	0.08	0.08	10.10
QP	1.217M	24.42	56.00	-31.58	10.28	Neutral	-	14.14	0.08	0.09	10.11
AV	1.217M	16.95	46.00	-29.05	10.28	Neutral	-	6.67	0.08	0.09	10.11
QP	2.346M	23.52	56.00	-32.48	10.33	Neutral	-	13.19	0.10	0.11	10.12
AV	2.346M	16.44	46.00	-29.56	10.33	Neutral	-	6.11	0.10	0.11	10.12

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)_2TX	8M	13.218M	13M2G1D	7.05M	12.869M
802.11g_Nss1,(6Mbps)_2TX	15.025M	17.391M	17M4D1D	12.575M	16.092M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	15.075M	18.866M	18M9D1D	13.8M	18.641M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	33.8M	37.231M	37M2D1D	15.95M	37.131M

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

Result

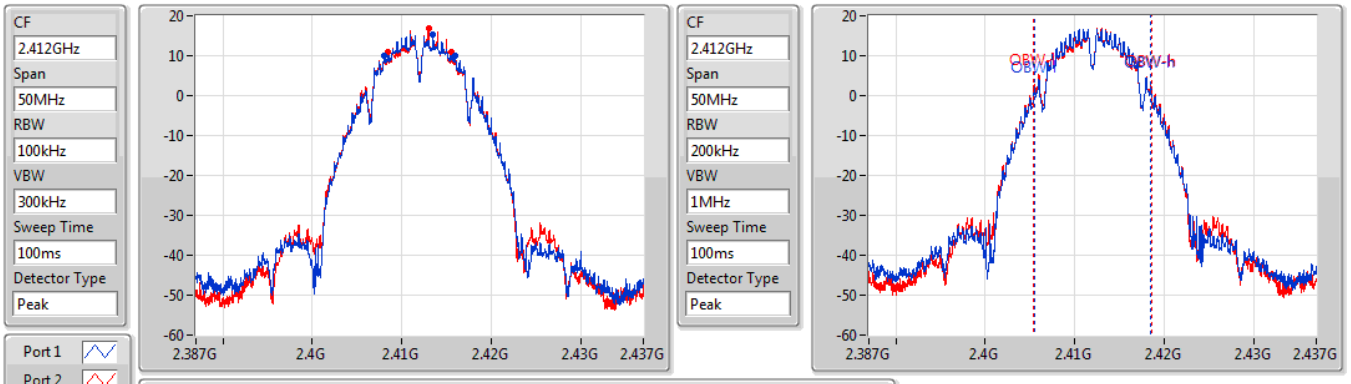
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8M	12.869M	7.05M	13.093M
2437MHz	Pass	500k	7.55M	13.018M	7.125M	13.218M
2462MHz	Pass	500k	7.55M	13.018M	7.525M	13.043M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	16.117M	15M	16.192M
2437MHz	Pass	500k	15M	16.542M	13.75M	17.391M
2462MHz	Pass	500k	15M	16.092M	12.575M	16.167M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	18.666M	15.075M	18.691M
2437MHz	Pass	500k	14.975M	18.866M	15.05M	18.791M
2462MHz	Pass	500k	13.8M	18.641M	13.85M	18.641M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	19.75M	37.131M	25.15M	37.181M
2437MHz	Pass	500k	19.8M	37.181M	15.95M	37.181M
2452MHz	Pass	500k	29.55M	37.181M	33.8M	37.231M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

02/03/2021

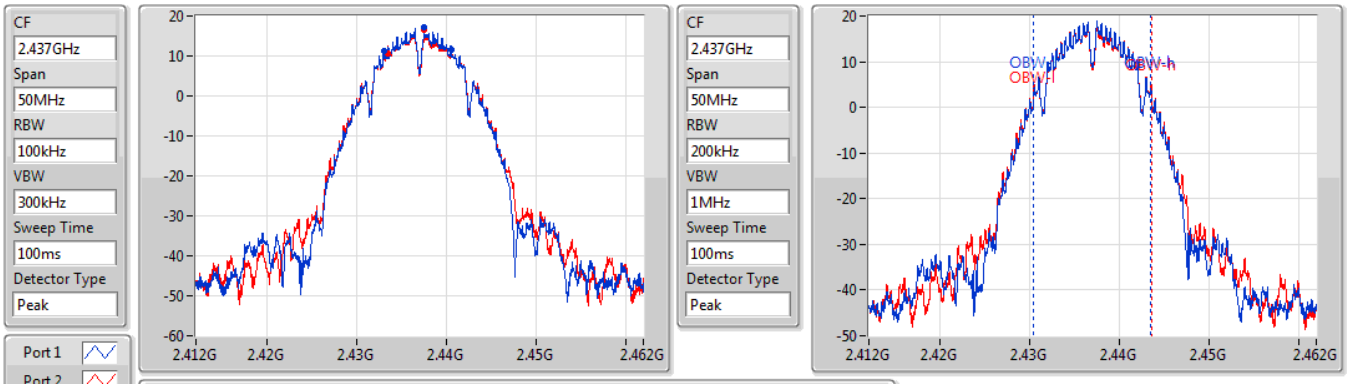


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.408G	2.416G	12.869M	2.405578G	2.418447G	500k	1
7.05M	2.408475G	2.415525G	13.093M	2.405453G	2.418547G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

02/03/2021

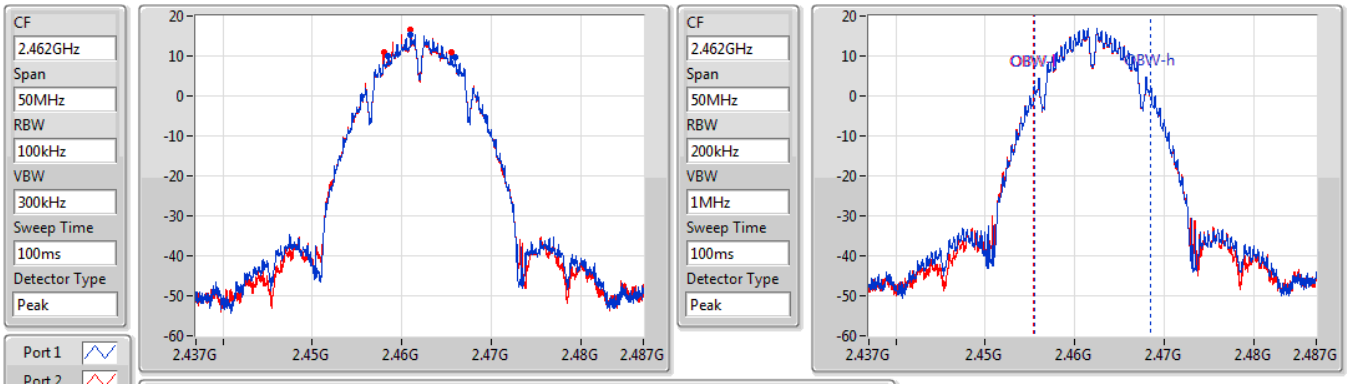


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.433G	2.44055G	13.018M	2.430453G	2.443472G	500k	1
7.125M	2.433425G	2.44055G	13.218M	2.430353G	2.443572G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

02/03/2021

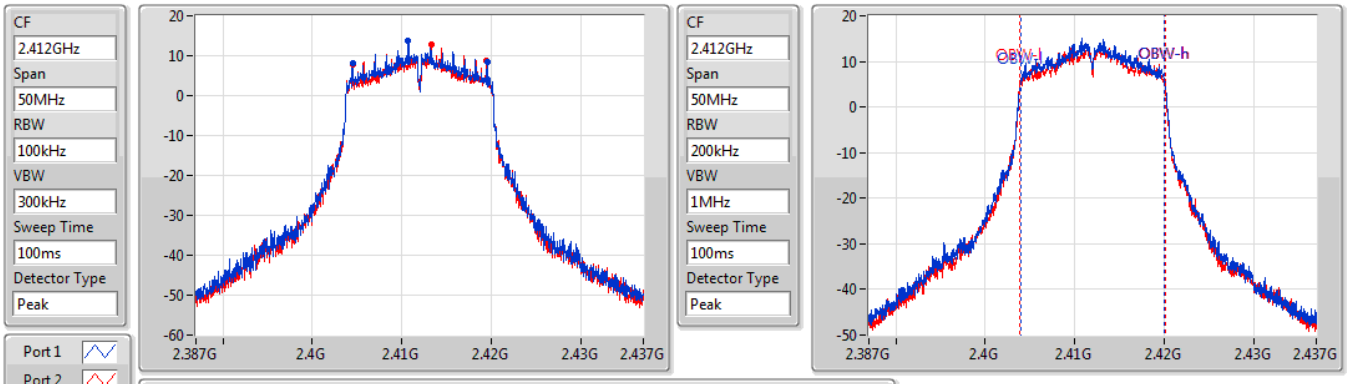


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.45845G	2.466G	13.018M	2.455478G	2.468497G	500k	1
7.525M	2.457975G	2.4655G	13.043M	2.455453G	2.468497G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

02/03/2021

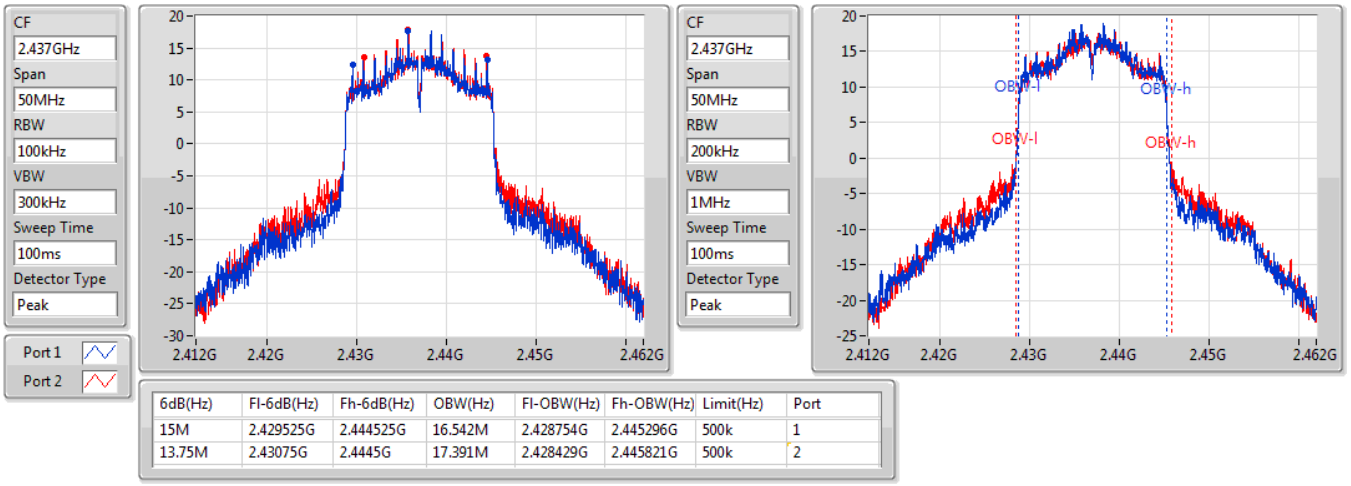


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.4045G	2.419525G	16.117M	2.403954G	2.420071G	500k	1
15M	2.4045G	2.4195G	16.192M	2.403904G	2.420096G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

02/03/2021

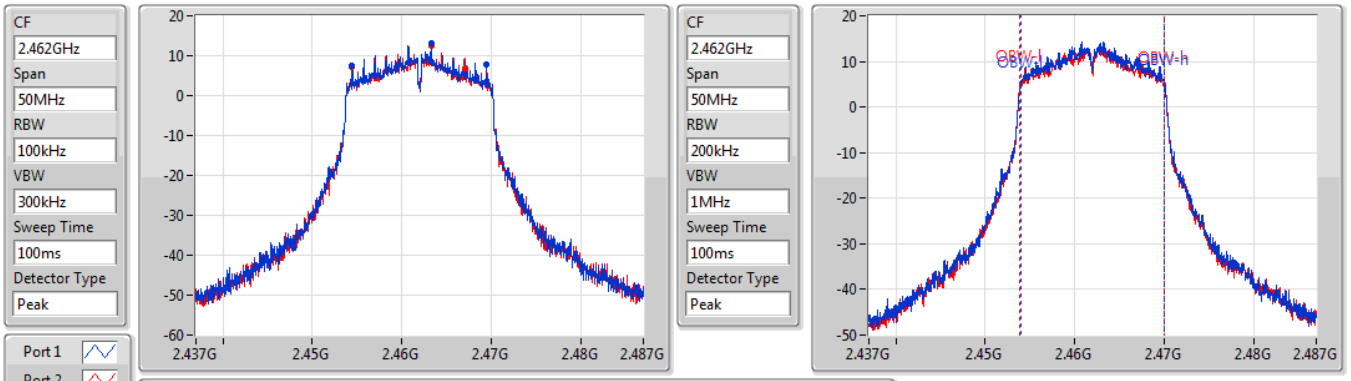


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.429525G	2.444525G	16.542M	2.428754G	2.445296G	500k	1
13.75M	2.43075G	2.4445G	17.391M	2.428429G	2.445821G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

02/03/2021

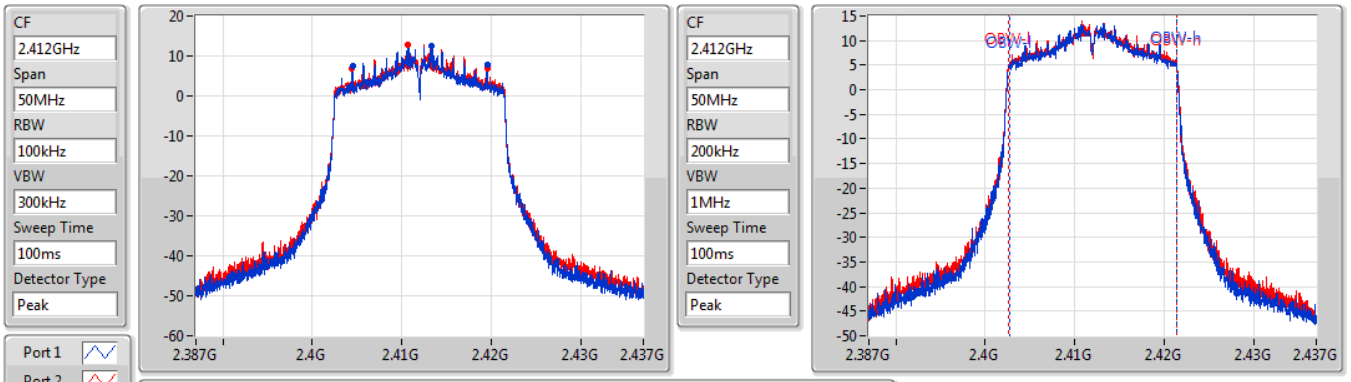


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.454475G	2.469475G	16.092M	2.453954G	2.470046G	500k	1
12.575M	2.454475G	2.46705G	16.167M	2.453904G	2.470071G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

02/03/2021

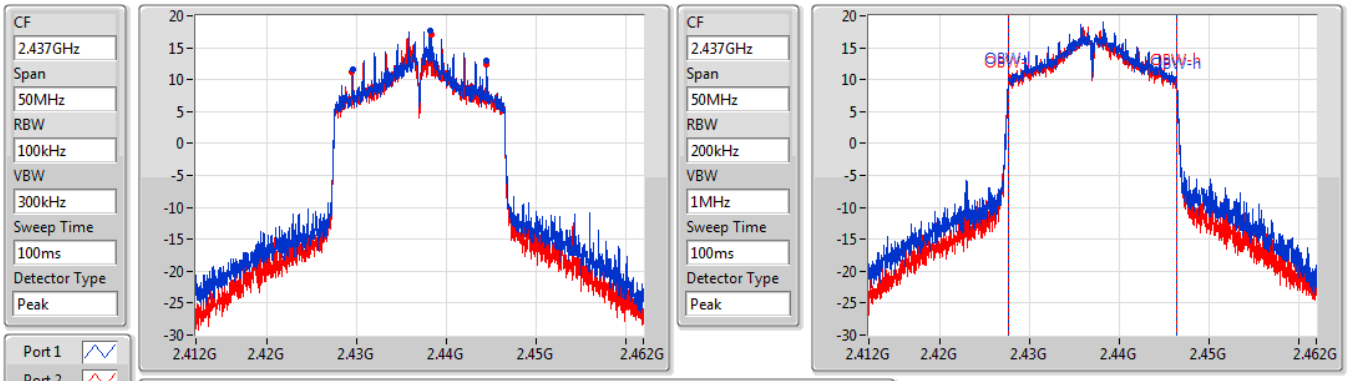


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.4045G	2.419525G	18.666M	2.40268G	2.421345G	500k	1
15.075M	2.40445G	2.419525G	18.691M	2.402655G	2.421345G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

02/03/2021

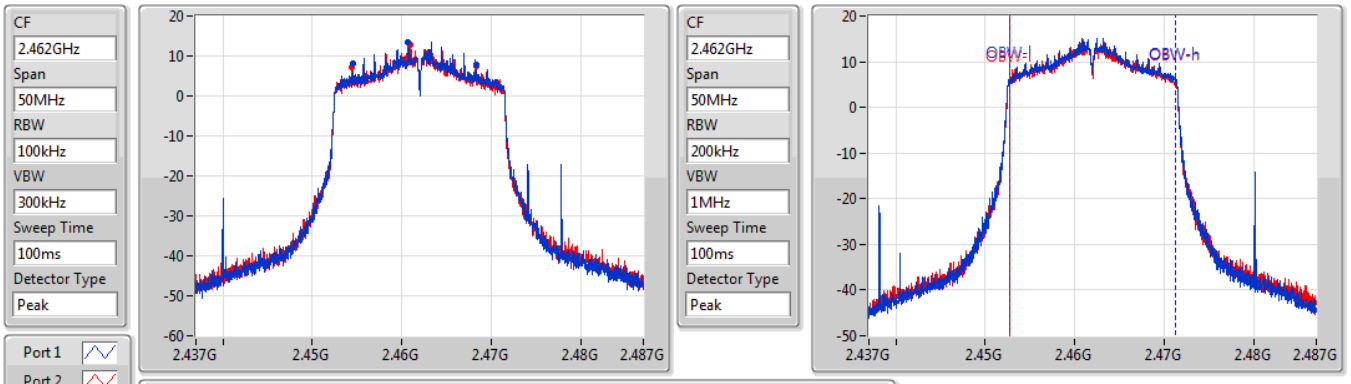


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.429525G	2.4445G	18.866M	2.42758G	2.446445G	500k	1
15.05M	2.42945G	2.4445G	18.791M	2.427605G	2.446395G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

02/03/2021

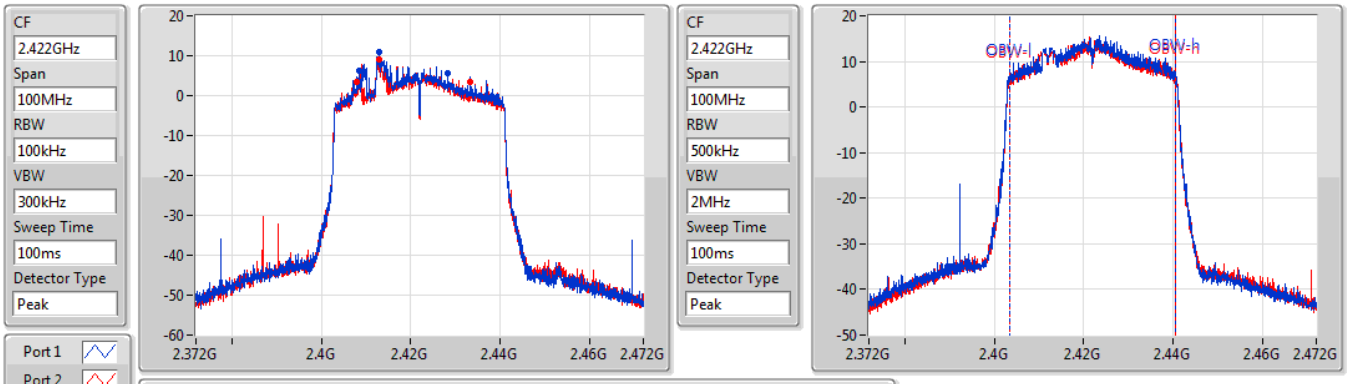


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.8M	2.4545G	2.4683G	18.641M	2.45268G	2.47132G	500k	1
13.85M	2.45445G	2.4683G	18.641M	2.45268G	2.47132G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

02/03/2021

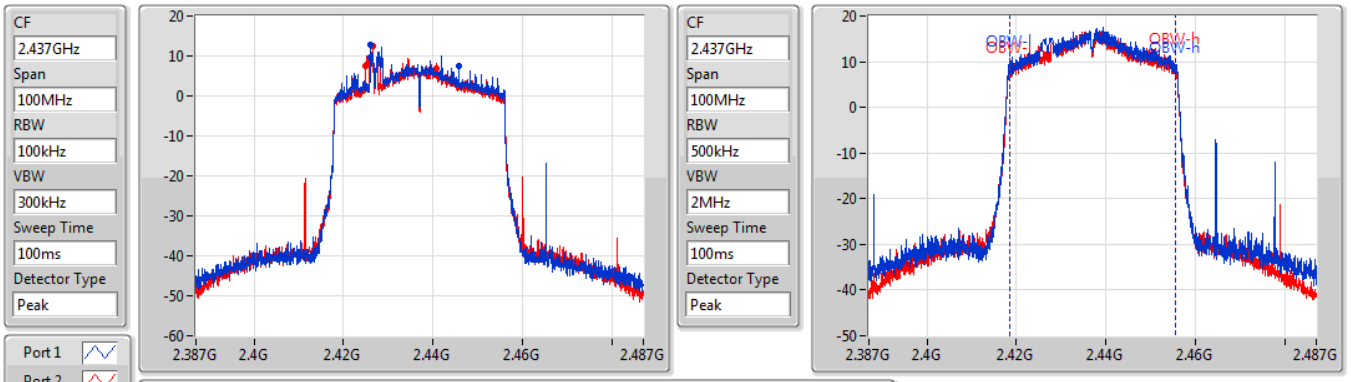


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.75M	2.4085G	2.42825G	37.131M	2.403409G	2.440541G	500k	1
25.15M	2.40805G	2.4332G	37.181M	2.403459G	2.440641G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

02/03/2021

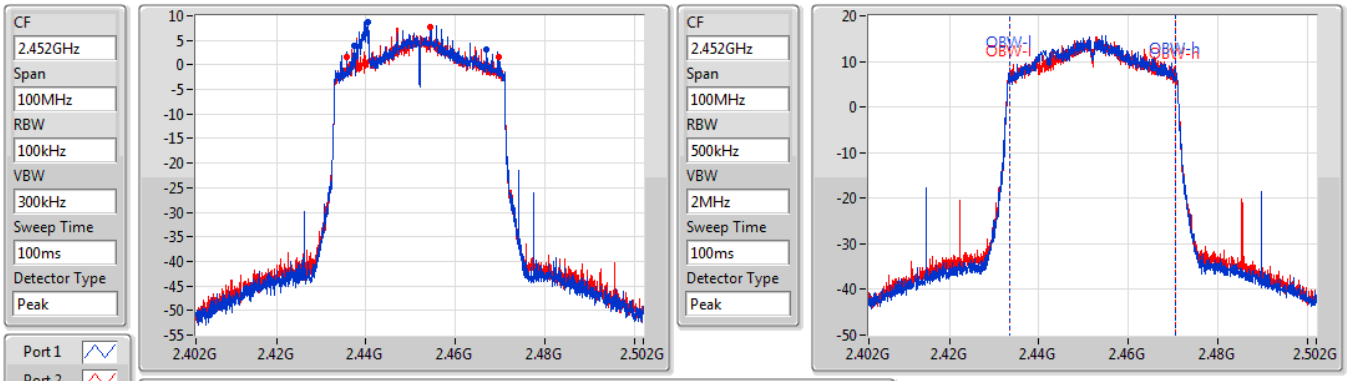


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	2.42595G	2.44575G	37.181M	2.418459G	2.455641G	500k	1
15.95M	2.42485G	2.4408G	37.181M	2.418459G	2.455641G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

02/03/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.55M	2.43745G	2.467G	37.181M	2.433409G	2.470591G	500k	1
33.8M	2.43575G	2.46955G	37.231M	2.433359G	2.470591G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.52	0.71121
802.11g_Nss1,(6Mbps)_2TX	28.82	0.76208
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	27.75	0.59566
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	24.59	0.28774

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.67	24.18	24.03	27.12	30.00
2437MHz	Pass	1.67	25.68	25.33	28.52	30.00
2462MHz	Pass	1.67	23.89	23.67	26.79	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.67	22.09	21.53	24.83	30.00
2417MHz	Pass	1.67	23.47	22.87	26.19	30.00
2437MHz	Pass	1.67	25.78	25.84	28.82	30.00
2457MHz	Pass	1.67	23.13	22.96	26.06	30.00
2462MHz	Pass	1.67	21.52	21.19	24.37	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.68	20.46	20.39	23.44	30.00
2417MHz	Pass	4.68	22.09	22.31	25.21	30.00
2437MHz	Pass	4.68	25.02	24.45	27.75	30.00
2457MHz	Pass	4.68	21.45	21.29	24.38	30.00
2462MHz	Pass	4.68	21.29	21.05	24.18	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.68	20.02	19.48	22.77	30.00
2437MHz	Pass	4.68	21.63	21.53	24.59	30.00
2452MHz	Pass	4.68	19.83	19.88	22.87	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.63
802.11g_Nss1,(6Mbps)_2TX	2.29
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	3.91
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-1.83

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

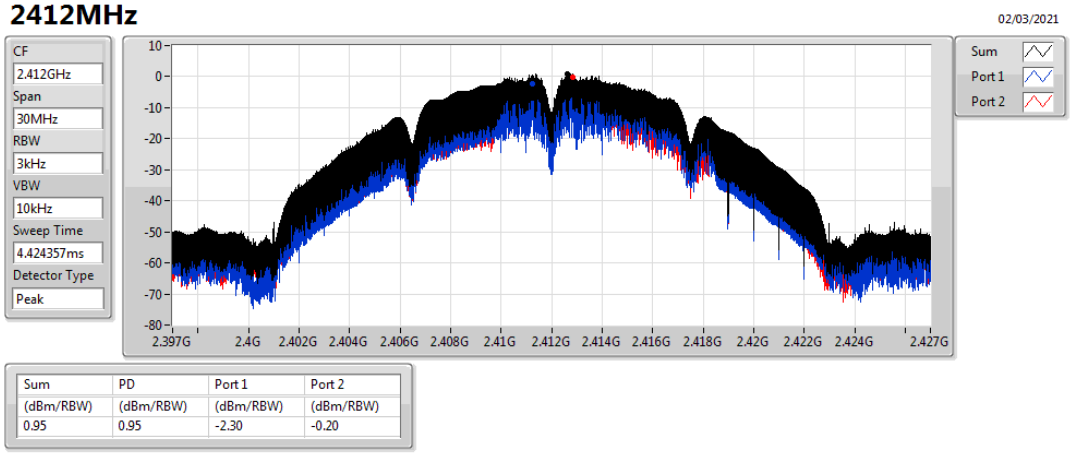
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.68	-2.30	-0.20	0.95	8.00
2437MHz	Pass	4.68	1.15	0.94	2.63	8.00
2462MHz	Pass	4.68	-2.42	-0.29	1.29	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.68	-2.16	-4.00	-0.65	8.00
2437MHz	Pass	4.68	1.28	-0.15	2.29	8.00
2462MHz	Pass	4.68	-2.77	-3.95	-1.04	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.68	-2.75	-4.43	-1.66	8.00
2437MHz	Pass	4.68	1.81	1.49	3.91	8.00
2462MHz	Pass	4.68	-2.48	-3.40	-0.35	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.68	-6.22	-6.40	-4.21	8.00
2437MHz	Pass	4.68	-2.75	-3.55	-1.83	8.00
2452MHz	Pass	4.68	-4.93	-2.91	-2.66	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX PSD

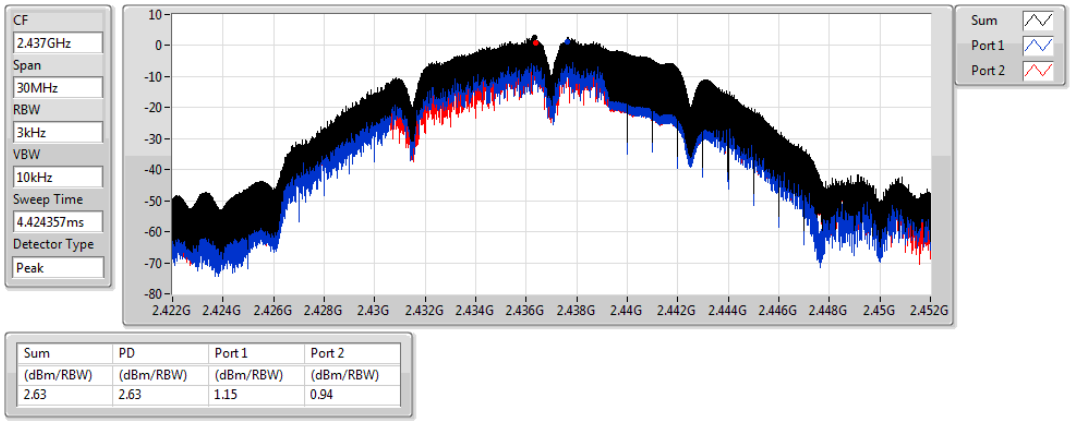
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.95	0.95	-2.30	-0.20

802.11b_Nss1,(1Mbps)_2TX PSD

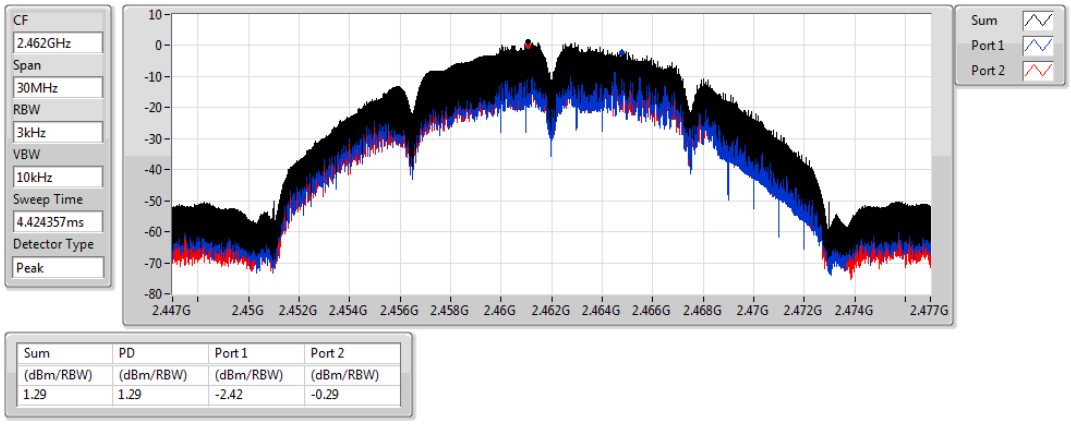
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.63	2.63	1.15	0.94

802.11b_Nss1,(1Mbps)_2TX PSD

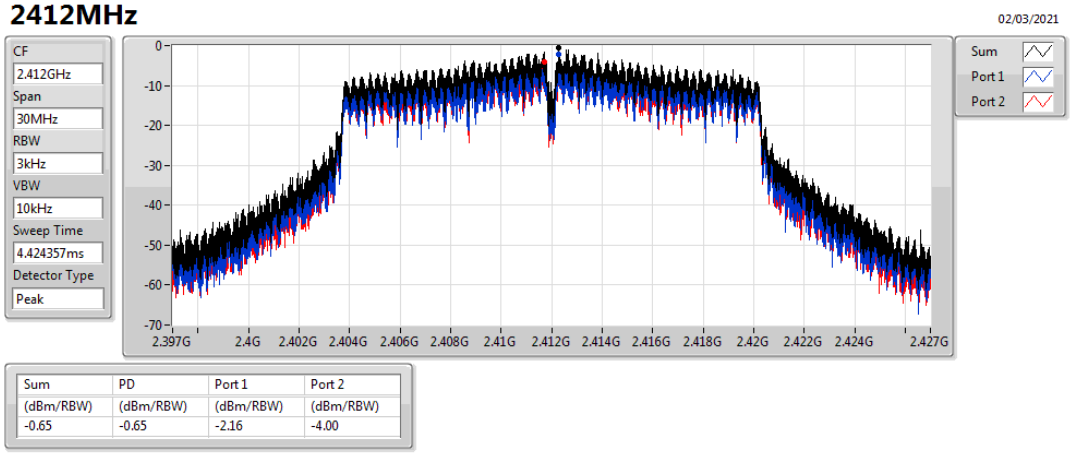
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.29	1.29	-2.42	-0.29

802.11g_Nss1,(6Mbps)_2TX PSD

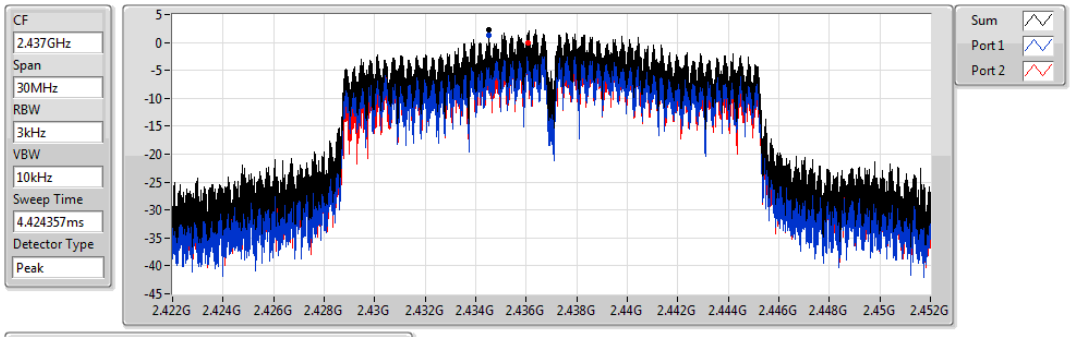
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.65	-0.65	-2.16	-4.00

802.11g_Nss1,(6Mbps)_2TX PSD

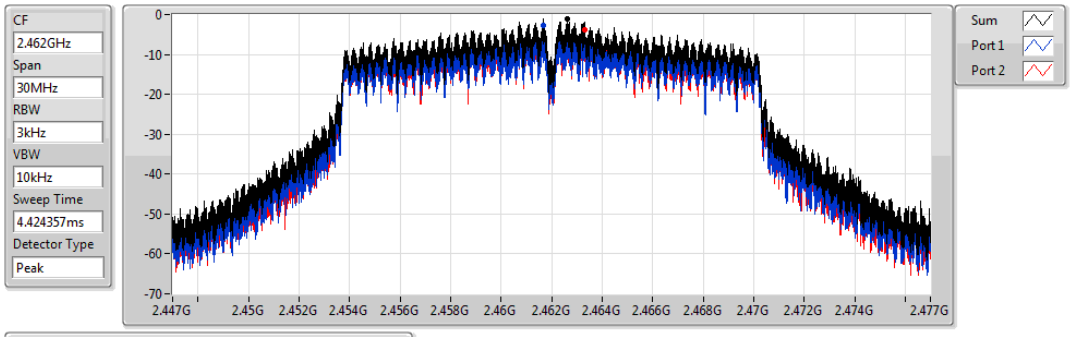
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.29	2.29	1.28	-0.15

802.11g_Nss1,(6Mbps)_2TX PSD

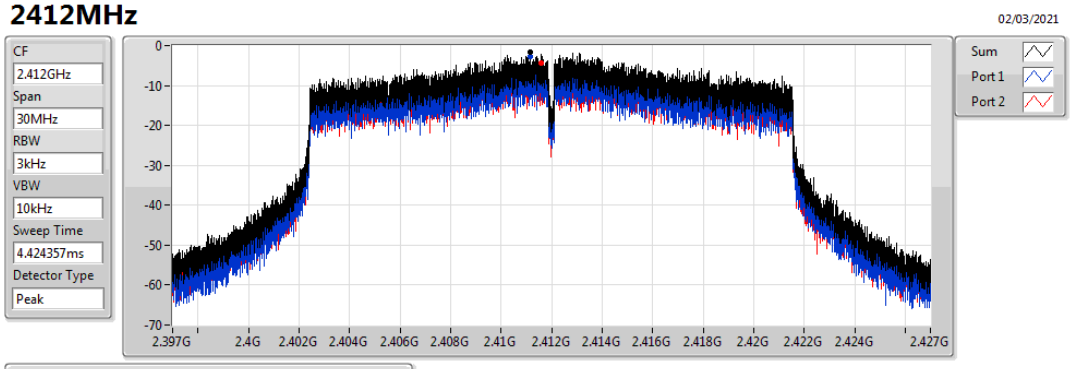
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.04	-1.04	-2.77	-3.95

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

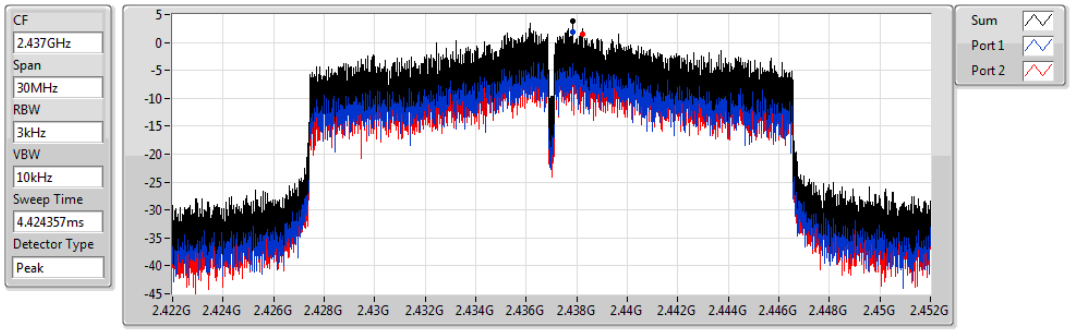
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.66	-1.66	-2.75	-4.43

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

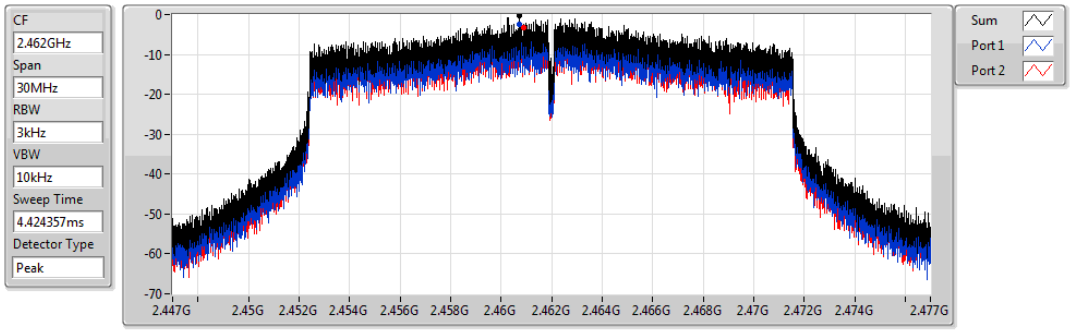
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.91	3.91	1.81	1.49

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

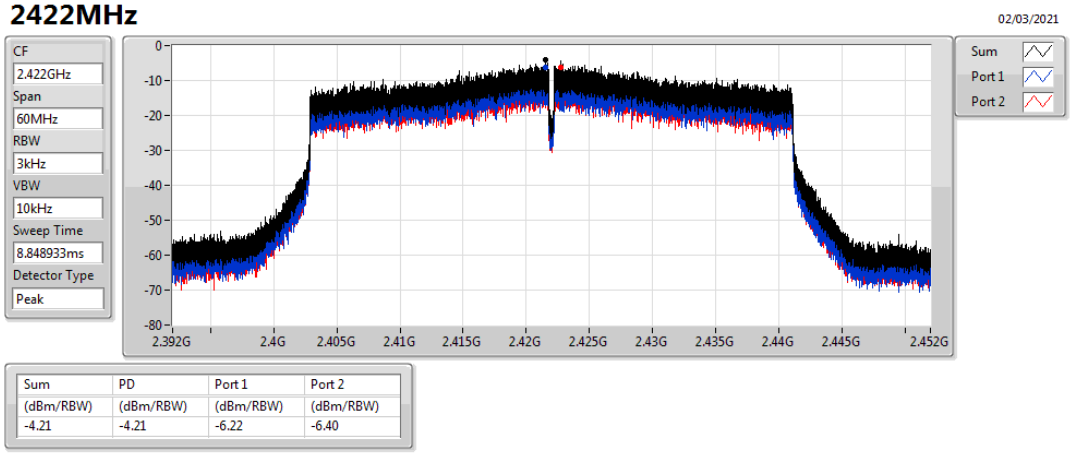
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.35	-0.35	-2.48	-3.40

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

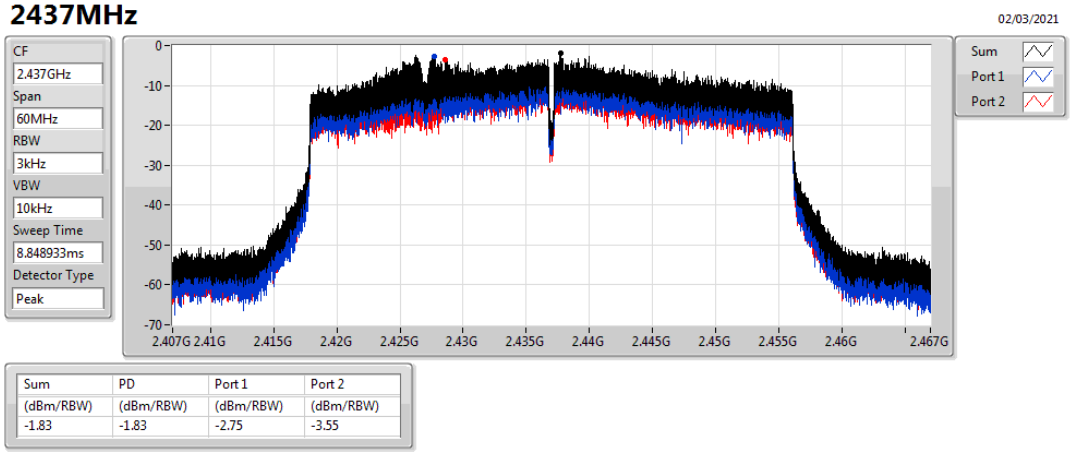
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.21	-4.21	-6.22	-6.40

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

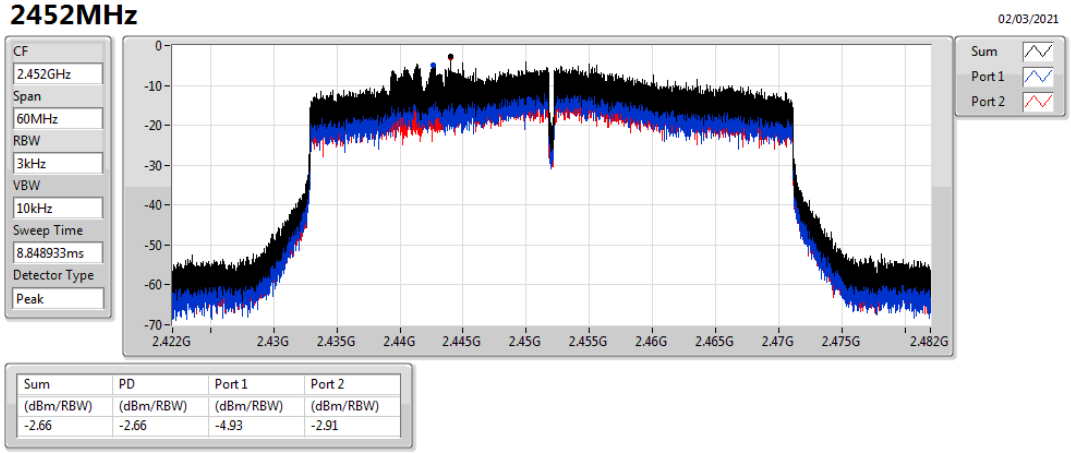
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.83	-1.83	-2.75	-3.55

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.66	-2.66	-4.93	-2.91

Summary

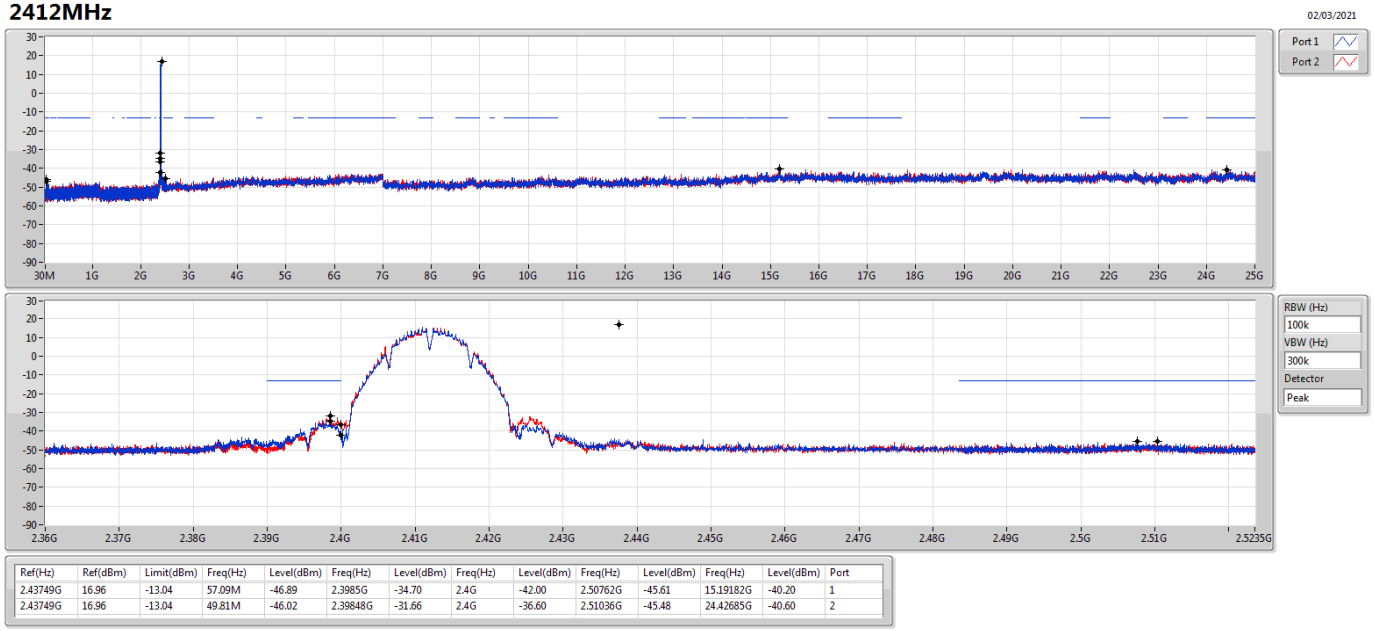
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43749G	16.96	-13.04	49.81M	-46.02	2.39848G	-31.66	2.4G	-36.60	2.51036G	-45.48	24.42685G	-40.60	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	17.25	-12.75	85.34M	-46.29	2.39974G	-28.08	2.4G	-27.95	2.5102G	-45.26	15.1862G	-40.17	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.4357G	17.32	-12.68	84.46M	-44.77	2.39984G	-27.10	2.4G	-33.13	2.48442G	-37.33	21.91229G	-41.05	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42597G	11.84	-18.16	83.82M	-46.73	2.39572G	-40.30	2.4835G	-42.83	2.48846G	-26.23	24.45031G	-40.18	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	16.96	-13.04	57.09M	-46.89	2.3985G	-34.70	2.4G	-42.00	2.50762G	-45.61	15.19182G	-40.20	1
2412MHz	Pass	2.43749G	16.96	-13.04	49.81M	-46.02	2.39848G	-31.66	2.4G	-36.60	2.51036G	-45.48	24.42685G	-40.60	2
2437MHz	Pass	2.43749G	16.96	-13.04	49.81M	-47.45	2.39764G	-46.80	2.4835G	-48.58	2.49318G	-46.08	24.09813G	-41.06	1
2437MHz	Pass	2.43749G	16.96	-13.04	83.59M	-47.09	2.39736G	-46.54	2.4835G	-48.01	2.50408G	-46.28	24.44371G	-41.66	2
2462MHz	Pass	2.43749G	16.96	-13.04	82.13M	-47.28	2.398G	-47.21	2.4G	-46.48	2.48862G	-44.78	15.18339G	-40.69	1
2462MHz	Pass	2.43749G	16.96	-13.04	83.88M	-46.34	2.39438G	-45.98	2.4G	-47.71	2.48874G	-43.83	24.46337G	-41.59	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	17.25	-12.75	85.34M	-46.29	2.39974G	-28.08	2.4G	-27.95	2.5102G	-45.26	15.1862G	-40.17	1
2412MHz	Pass	2.43824G	17.25	-12.75	82.13M	-46.87	2.39988G	-28.26	2.4G	-28.94	2.50334G	-45.99	6.9598G	-40.80	2
2437MHz	Pass	2.43824G	17.25	-12.75	868.8M	-47.31	2.39946G	-31.98	2.4G	-36.19	2.4851G	-36.87	15.19463G	-40.78	1
2437MHz	Pass	2.43824G	17.25	-12.75	86.21M	-45.70	2.39926G	-31.43	2.4G	-33.79	2.48386G	-36.39	24.55328G	-41.53	2
2462MHz	Pass	2.43824G	17.25	-12.75	85.34M	-46.55	2.39902G	-45.30	2.4835G	-46.33	2.4835G	-43.12	15.19182G	-41.25	1
2462MHz	Pass	2.43824G	17.25	-12.75	211.74M	-47.51	2.39208G	-47.76	2.4835G	-46.04	2.48412G	-44.12	15.19744G	-40.69	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	17.32	-12.68	49.81M	-46.25	2.4G	-29.80	2.4G	-30.49	2.51074G	-46.52	21.83924G	-40.65	1
2412MHz	Pass	2.4357G	17.32	-12.68	83.01M	-46.47	2.39978G	-28.59	2.4G	-28.75	2.49074G	-45.81	24.1768G	-40.01	2
2437MHz	Pass	2.4357G	17.32	-12.68	84.46M	-44.77	2.39984G	-27.10	2.4G	-33.13	2.48442G	-37.33	21.91229G	-41.05	1
2437MHz	Pass	2.4357G	17.32	-12.68	83.59M	-46.52	2.39948G	-32.28	2.4G	-38.42	2.48422G	-40.98	15.14686G	-41.36	2
2462MHz	Pass	2.4357G	17.32	-12.68	83.01M	-46.08	2.39296G	-46.57	2.4835G	-44.43	2.49292G	-35.44	6.97104G	-40.95	1
2462MHz	Pass	2.4357G	17.32	-12.68	76.6M	-46.28	2.39314G	-46.92	2.4835G	-44.57	2.48486G	-41.26	15.18901G	-40.44	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42597G	11.84	-18.16	78.95M	-46.72	2.3998G	-34.37	2.4G	-36.51	2.48718G	-46.80	15.17562G	-40.24	1
2422MHz	Pass	2.42597G	11.84	-18.16	75.8M	-46.65	2.39992G	-35.46	2.4G	-35.80	2.52658G	-46.15	24.78966G	-41.46	2
2437MHz	Pass	2.42597G	11.84	-18.16	76.37M	-47.13	2.39676G	-39.22	2.4G	-42.07	2.49818G	-31.17	24.7532G	-40.60	1
2437MHz	Pass	2.42597G	11.84	-18.16	78.95M	-46.66	2.3974G	-38.65	2.4G	-41.22	2.48538G	-44.51	24.43909G	-40.88	2
2452MHz	Pass	2.42597G	11.84	-18.16	83.82M	-46.73	2.39572G	-40.30	2.4835G	-42.83	2.48846G	-26.23	24.45031G	-40.18	1
2452MHz	Pass	2.42597G	11.84	-18.16	84.67M	-46.20	2.39368G	-47.63	2.4835G	-42.31	2.4845G	-39.63	15.19525G	-40.81	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

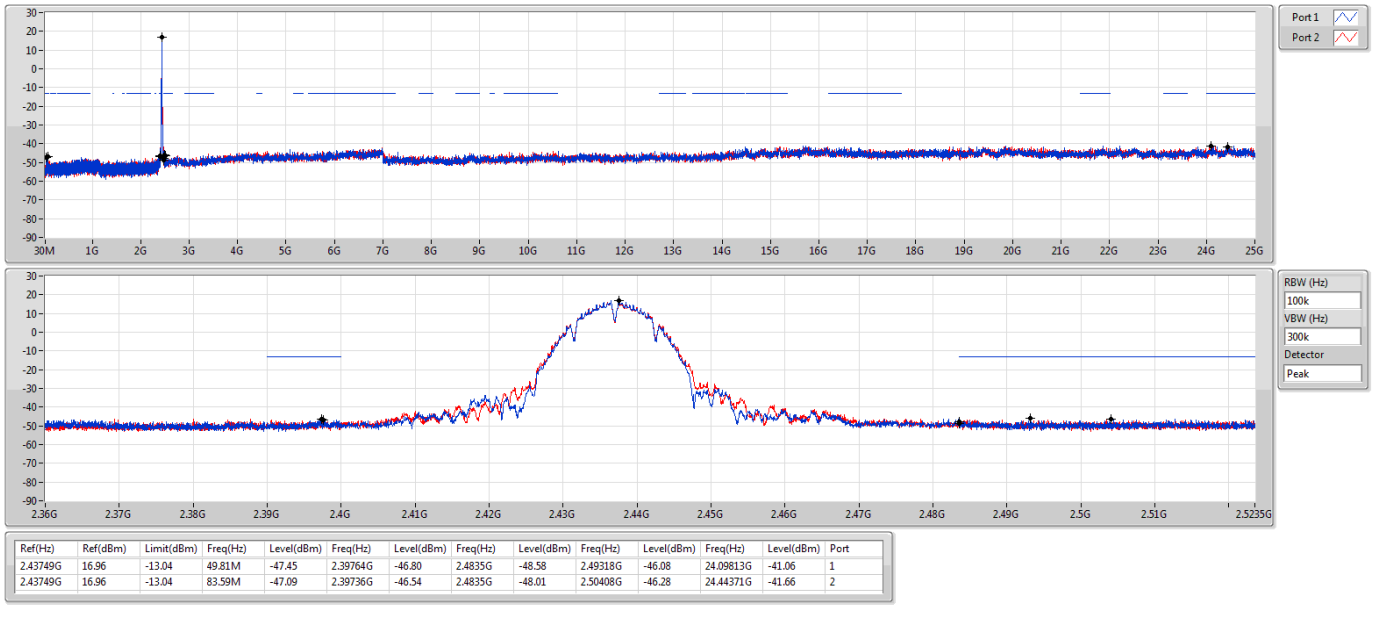
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	16.96	-13.04	57.09M	-46.89	2.3985G	-34.70	2.4G	-42.00	2.50762G	-45.61	15.19182G	-40.20	1
2.43749G	16.96	-13.04	49.81M	-46.02	2.39848G	-31.66	2.4G	-36.60	2.51036G	-45.48	24.42685G	-40.60	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

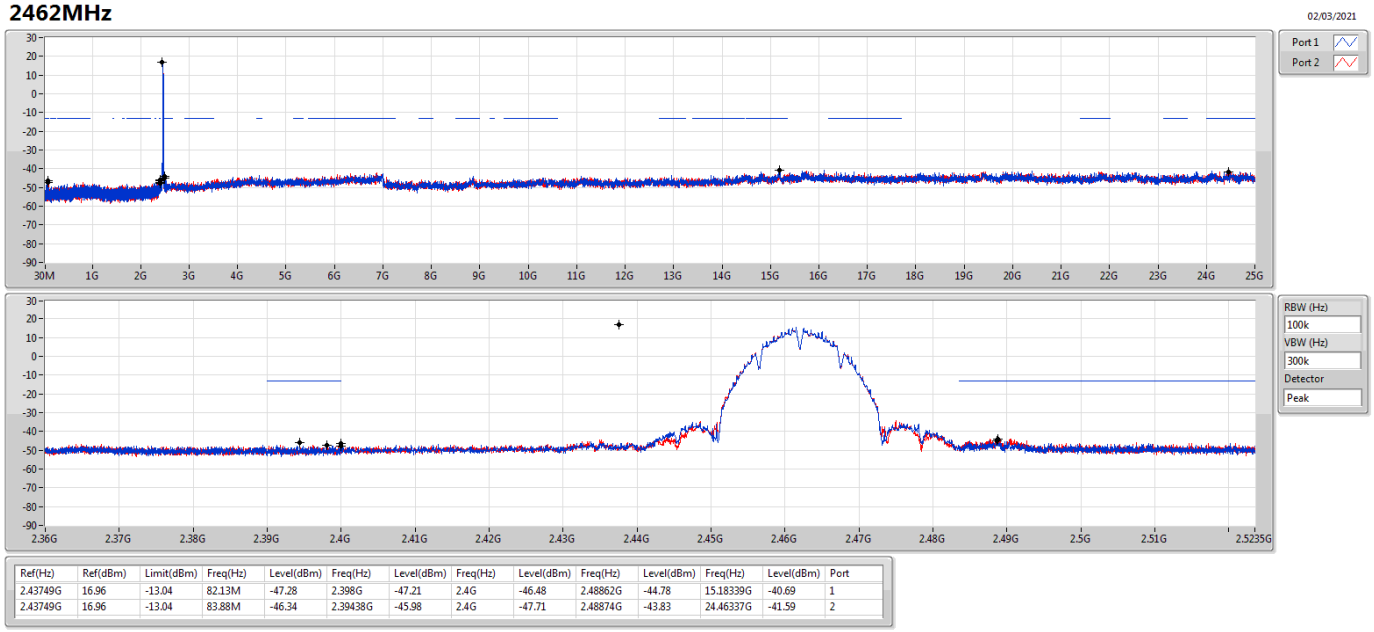
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	16.96	-13.04	49.81M	-47.45	2.39764G	-46.80	2.4835G	-48.58	2.49318G	-46.08	24.09813G	-41.06	1
2.43749G	16.96	-13.04	83.59M	-47.09	2.39736G	-46.54	2.4835G	-48.01	2.50408G	-46.28	24.44371G	-41.66	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

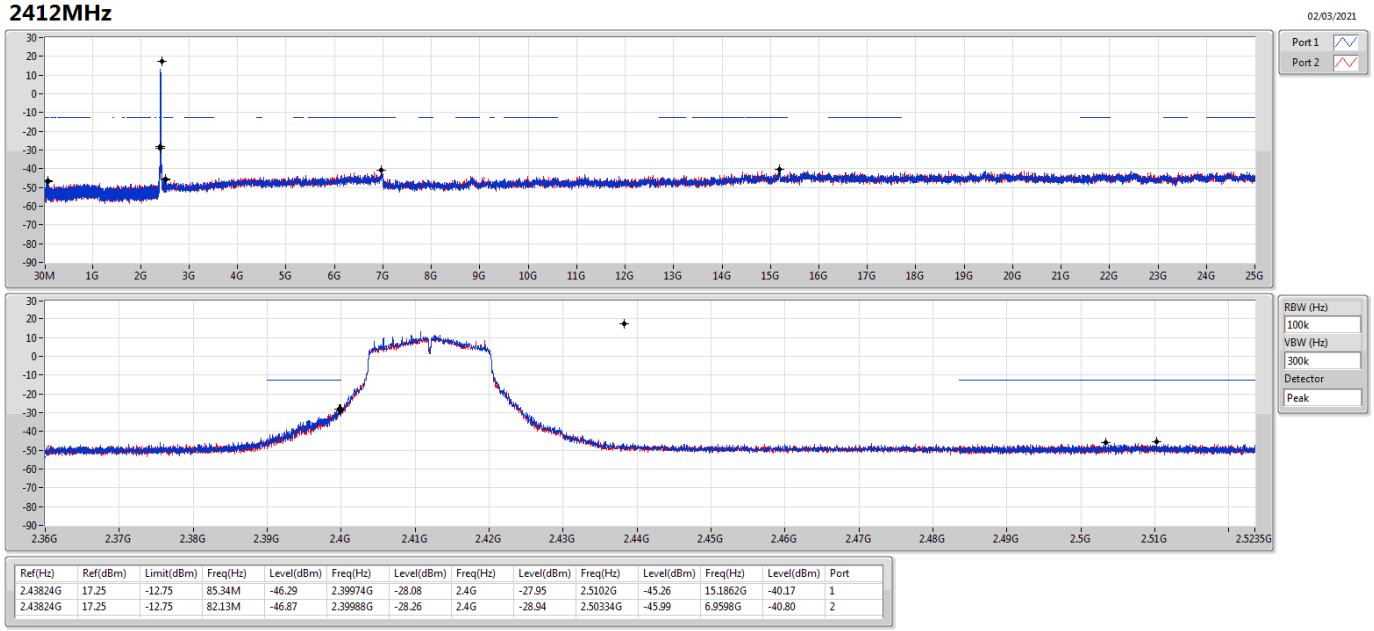
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	16.96	-13.04	82.13M	-47.28	2.398G	-47.21	2.4G	-46.48	2.48862G	-44.78	15.18339G	-40.69	1
2.43749G	16.96	-13.04	83.88M	-46.34	2.39438G	-45.98	2.4G	-47.71	2.48874G	-43.83	24.46337G	-41.59	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

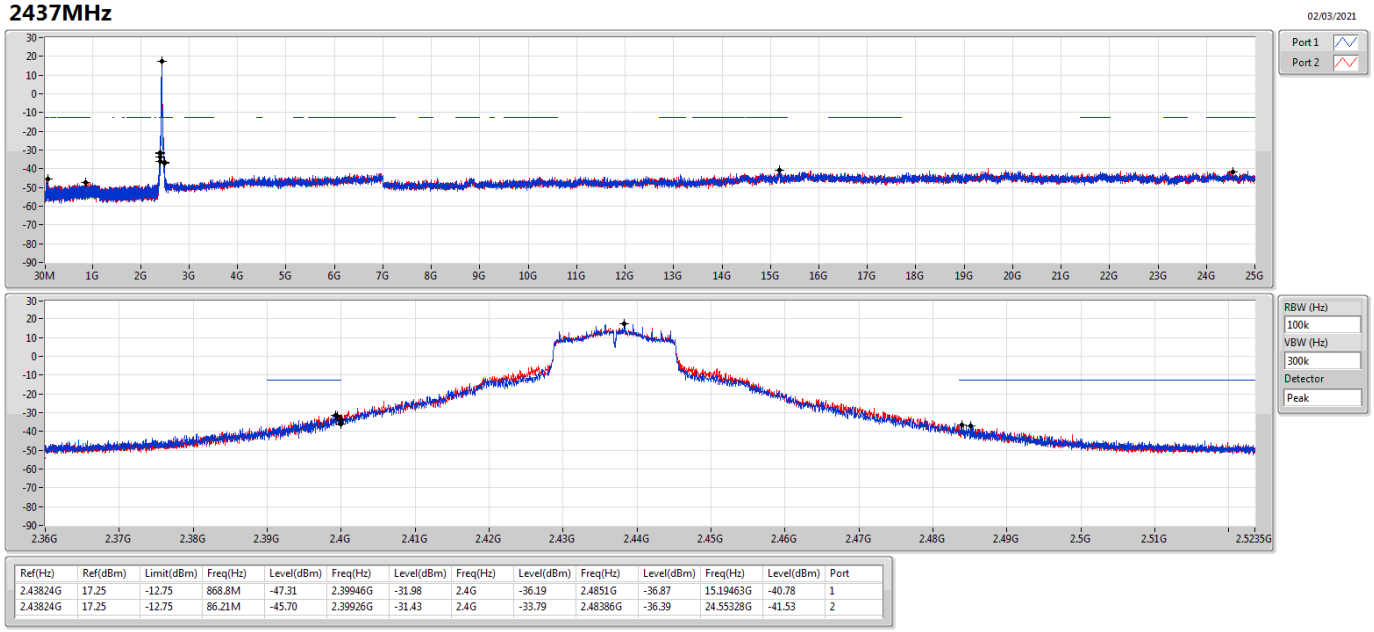
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	17.25	-12.75	85.34M	-46.29	2.39974G	-28.08	2.4G	-27.95	2.5102G	-45.26	15.1862G	-40.17	1
2.43824G	17.25	-12.75	82.13M	-46.87	2.39988G	-28.26	2.4G	-28.94	2.50334G	-45.99	6.9598G	-40.80	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

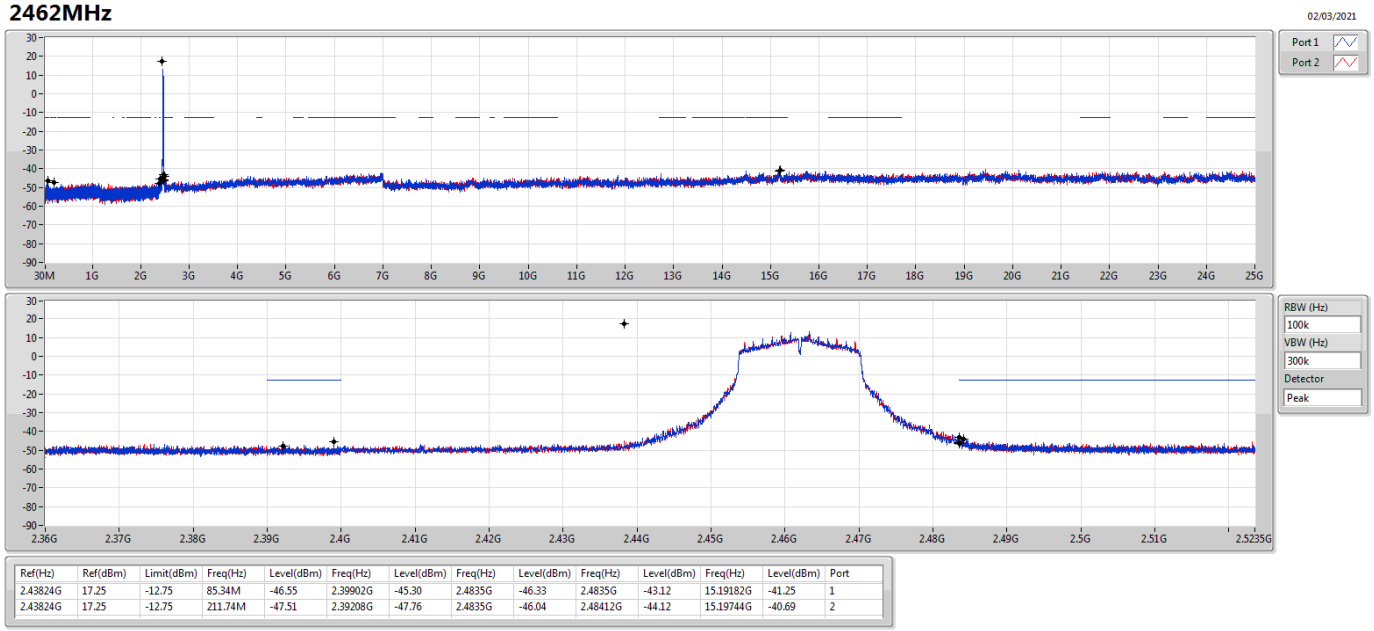
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	17.25	-12.75	868.8M	-47.31	2.39946G	-31.98	2.4G	-36.19	2.4851G	-36.87	15.19463G	-40.78	1
2.43824G	17.25	-12.75	86.21M	-45.70	2.39926G	-31.43	2.4G	-33.79	2.48386G	-36.39	24.55328G	-41.53	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

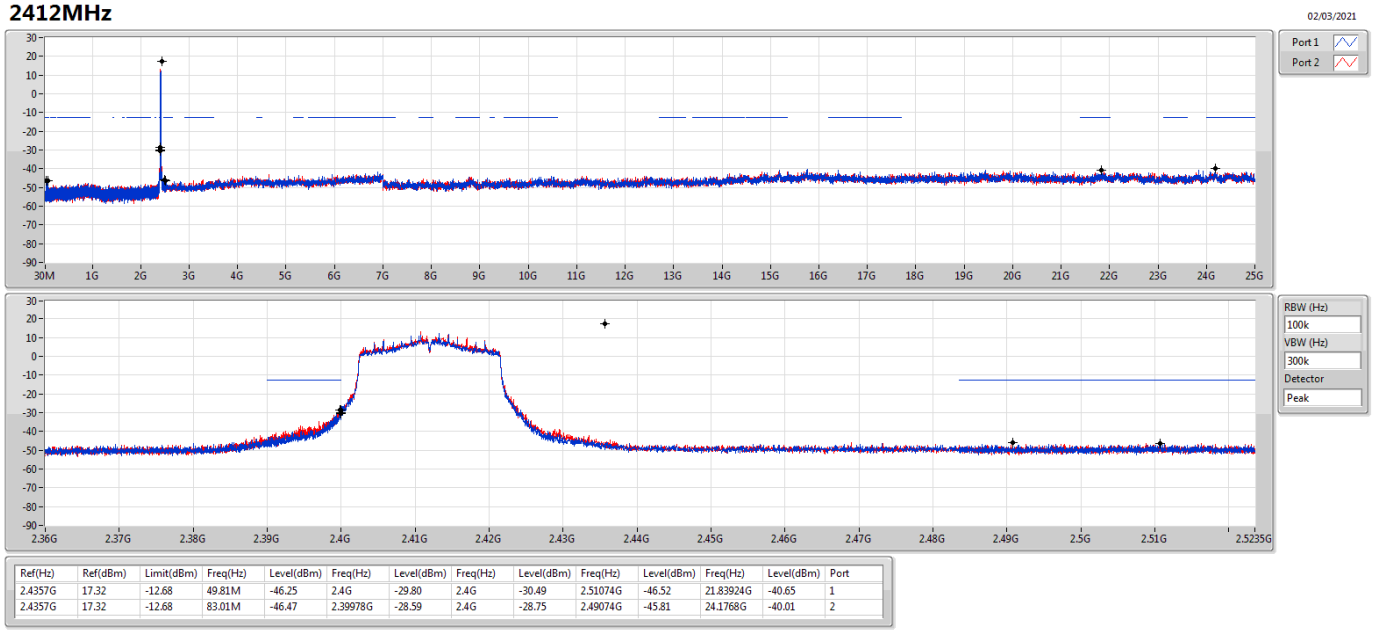
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	17.25	-12.75	85.34M	-46.55	2.39902G	-45.30	2.4835G	-46.33	2.4835G	-43.12	15.19182G	-41.25	1
2.43824G	17.25	-12.75	211.74M	-47.51	2.39208G	-47.76	2.4835G	-46.04	2.48412G	-44.12	15.19744G	-40.69	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSE NdB**

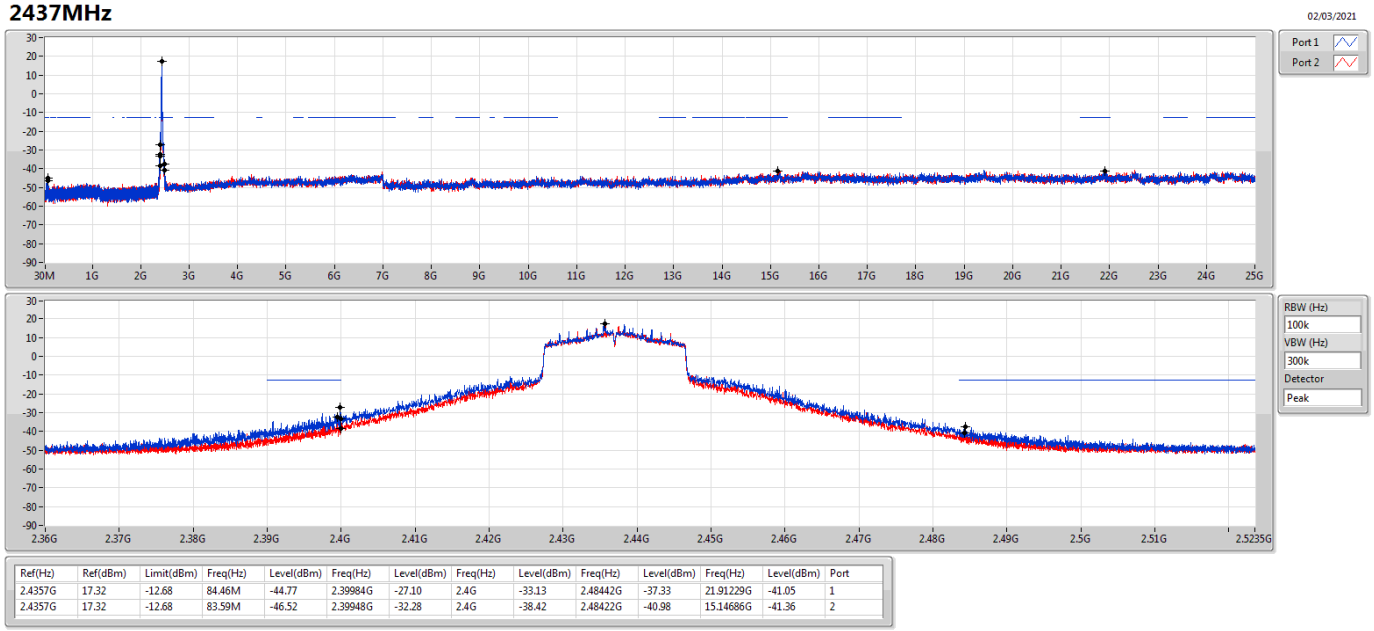
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	17.32	-12.68	49.81M	-46.25	2.4G	-29.80	2.4G	-30.49	2.51074G	-46.52	21.83924G	-40.65	1
2.4357G	17.32	-12.68	83.01M	-46.47	2.39978G	-28.59	2.4G	-28.75	2.49074G	-45.81	24.1768G	-40.01	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSE NdB**

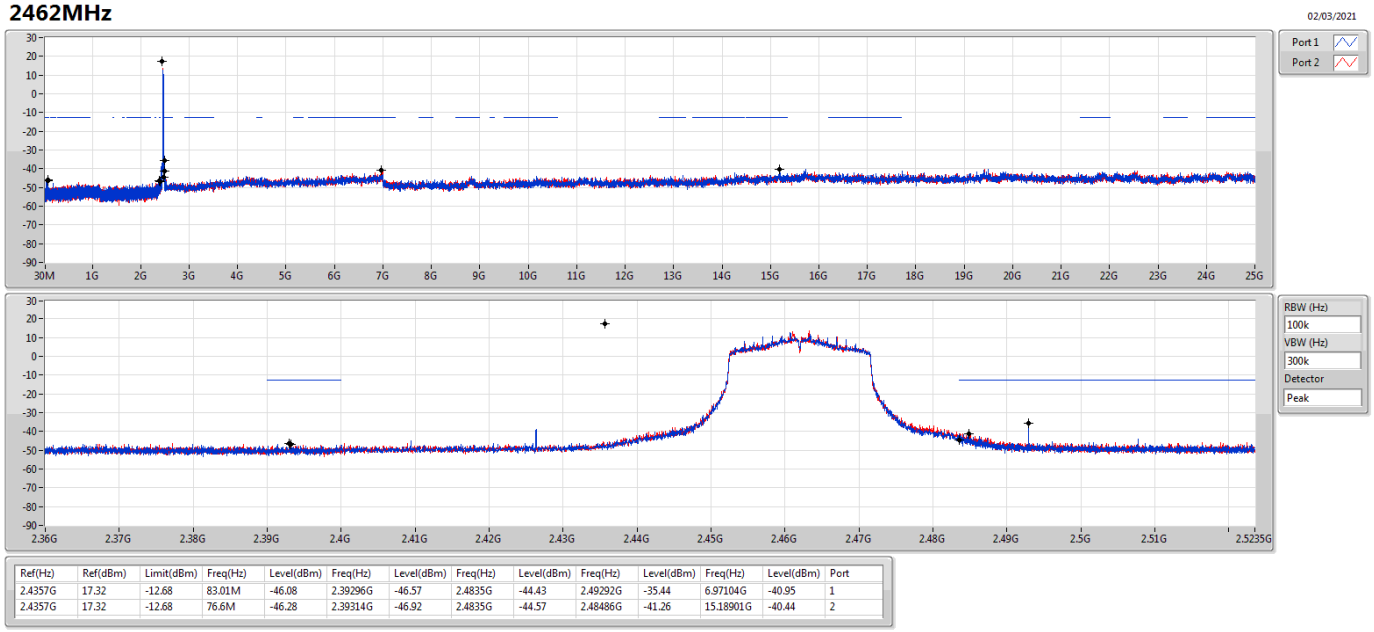
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	17.32	-12.68	84.46M	-44.77	2.39984G	-27.10	2.4G	-33.13	2.48442G	-37.33	21.91229G	-41.05	1
2.4357G	17.32	-12.68	83.59M	-46.52	2.39948G	-32.28	2.4G	-38.42	2.48422G	-40.98	15.14686G	-41.36	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSE NdB**

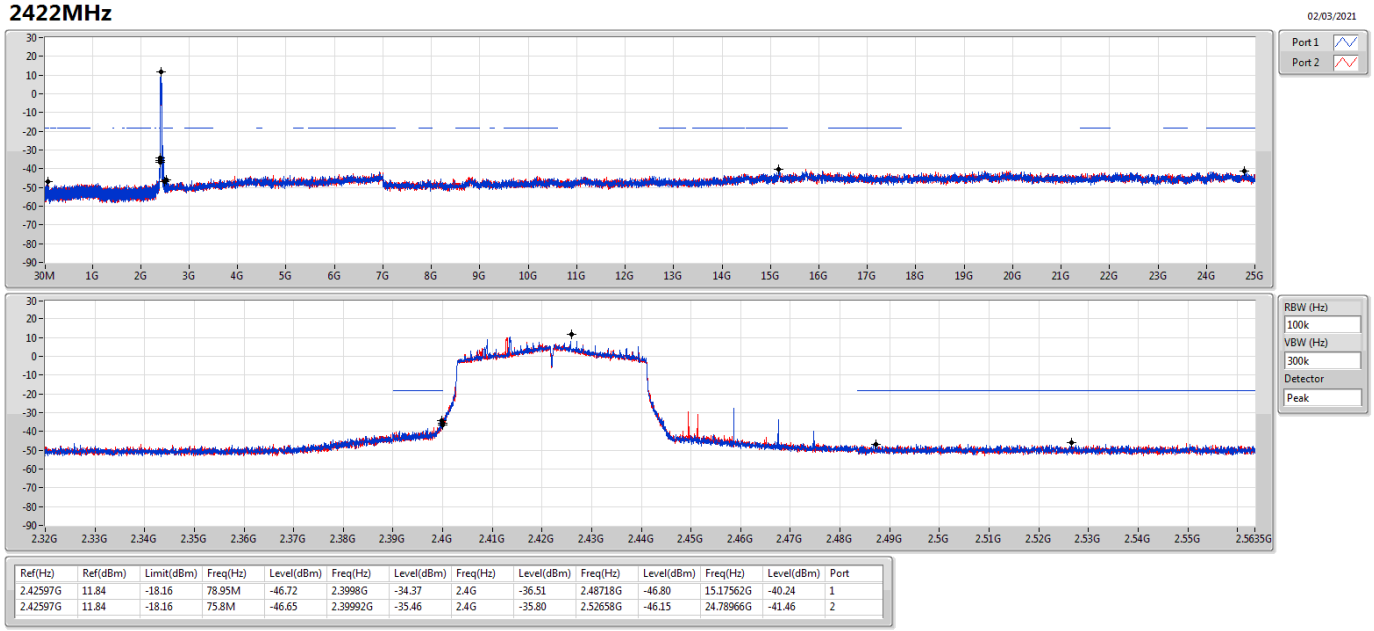
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	17.32	-12.68	83.01M	-46.08	2.39296G	-46.57	2.4835G	-44.43	2.49292G	-35.44	6.97104G	-40.95	1
2.4357G	17.32	-12.68	76.6M	-46.28	2.39314G	-46.92	2.4835G	-44.57	2.48486G	-41.26	15.18901G	-40.44	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSE NdB**

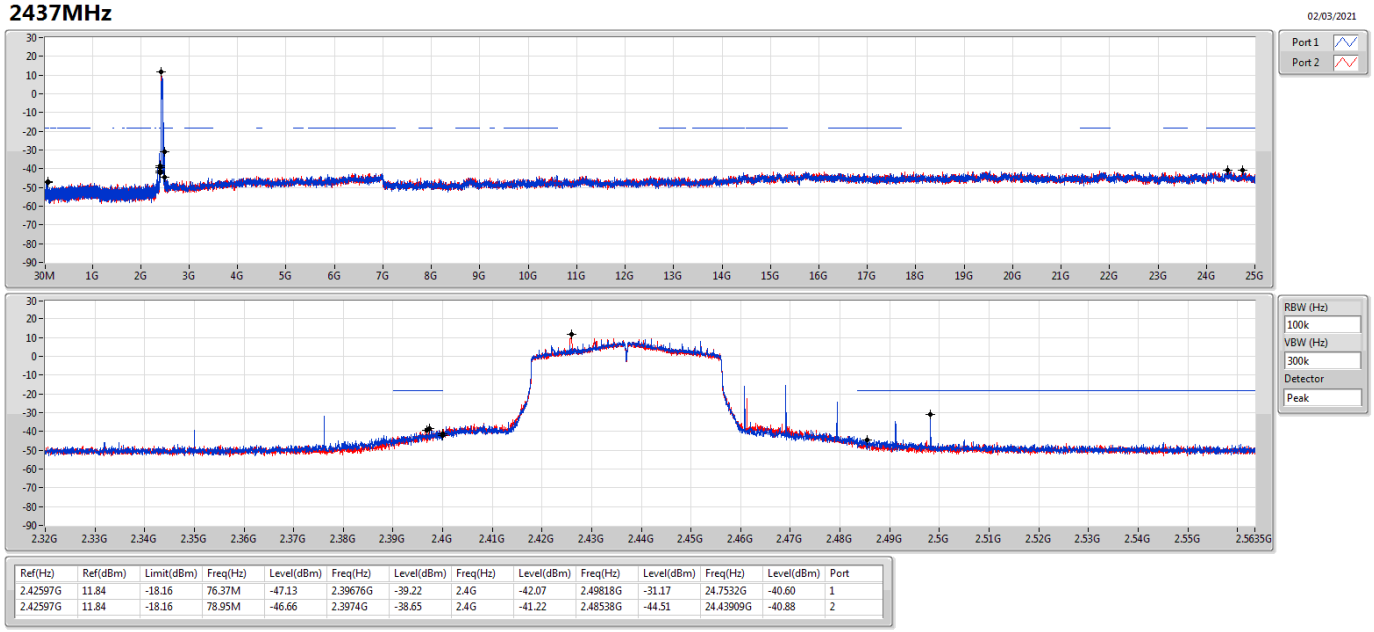
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42597G	11.84	-18.16	78.95M	-46.72	2.3998G	-34.37	2.4G	-36.51	2.48718G	-46.80	15.17562G	-40.24	1
2.42597G	11.84	-18.16	75.8M	-46.65	2.39992G	-35.46	2.4G	-35.80	2.52658G	-46.15	24.78966G	-41.46	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSE NdB**

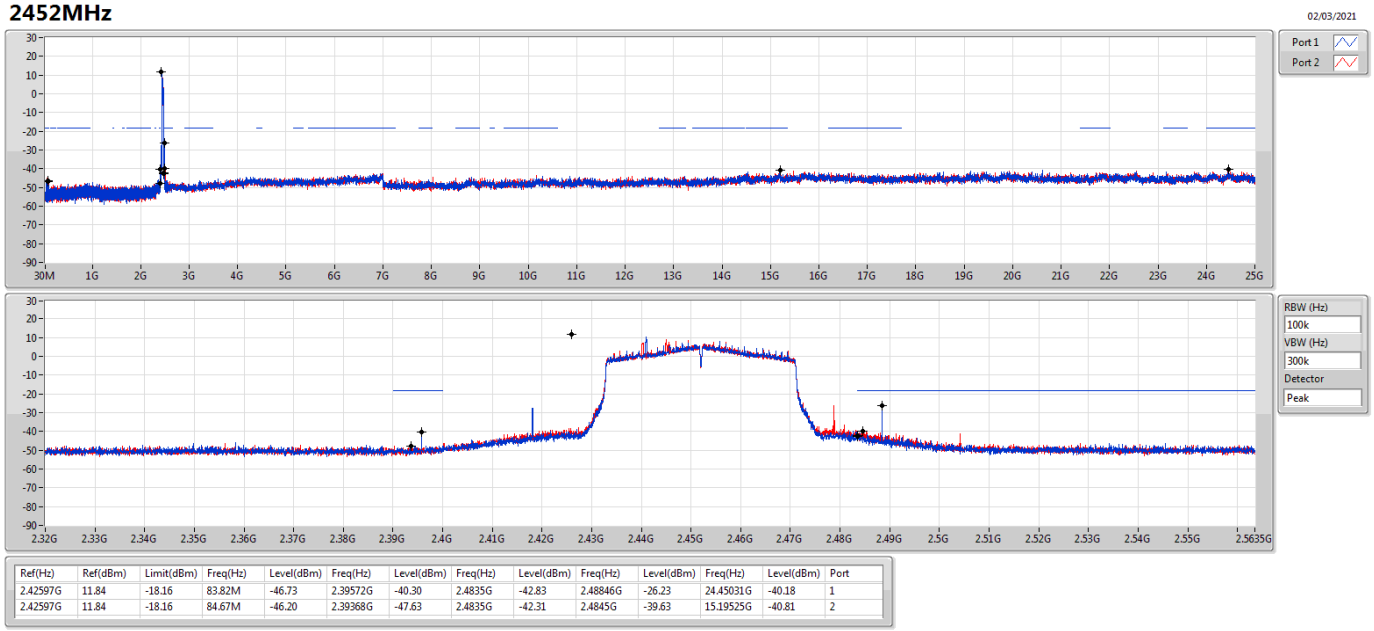
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42597G	11.84	-18.16	76.37M	-47.13	2.39676G	-39.22	2.4G	-42.07	2.49818G	-31.17	24.7532G	-40.60	1
2.42597G	11.84	-18.16	78.95M	-46.66	2.3974G	-38.65	2.4G	-41.22	2.48538G	-44.51	24.43909G	-40.88	2

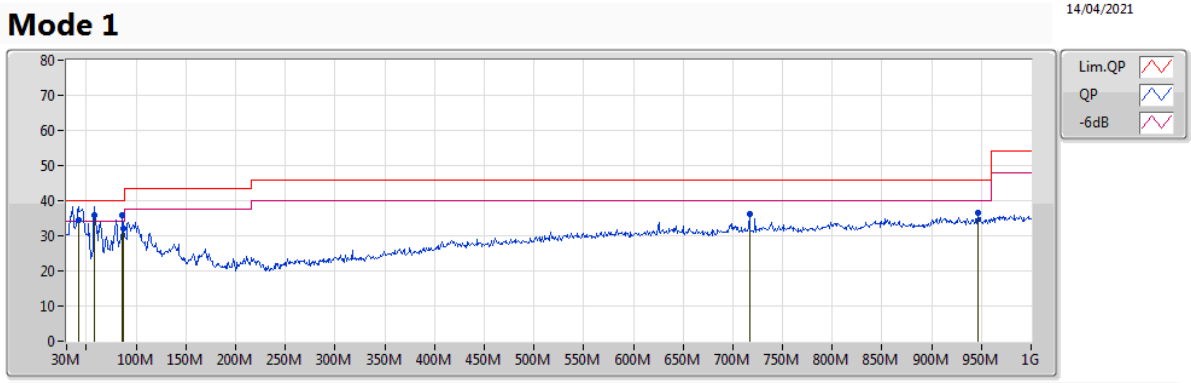
802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42597G	11.84	-18.16	83.82M	-46.73	2.39572G	-40.30	2.4835G	-42.83	2.48846G	-26.23	24.45031G	-40.18	1
2.42597G	11.84	-18.16	84.67M	-46.20	2.39368G	-47.63	2.4835G	-42.31	2.4845G	-39.63	15.19525G	-40.81	2

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	CTX		



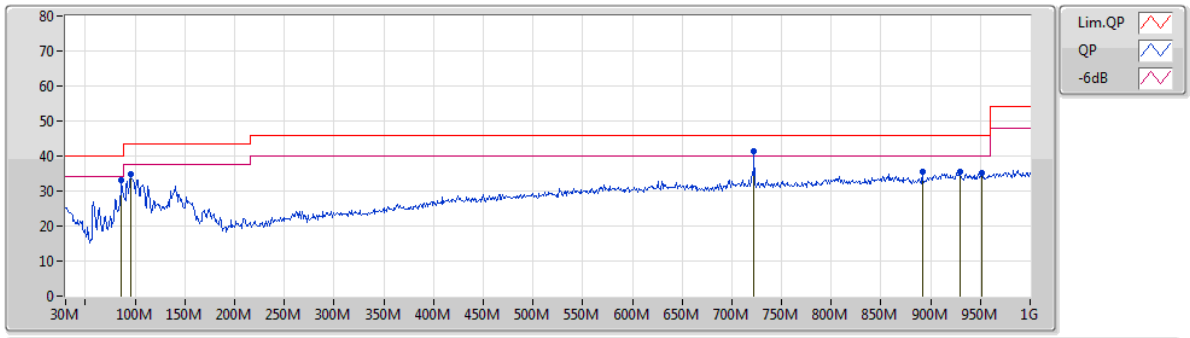
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	41.64M	34.50	40.00	-5.50	-13.80	3	Vertical	357	1.00	''	48.30	17.47	1.10	32.37
QP	58.13M	35.73	40.00	-4.27	-18.57	3	Vertical	209	1.00	"Worst"	54.30	12.45	1.36	32.38
PK	86.26M	35.71	40.00	-4.29	-16.76	3	Vertical	127	1.00	-	52.47	13.94	1.63	32.33
PK	87.23M	32.14	40.00	-7.86	-16.48	3	Vertical	189	1.25	-	48.62	14.21	1.64	32.33
PK	716.76M	36.13	46.00	-9.87	-1.24	3	Vertical	211	1.25	-	37.37	25.53	5.20	31.97
PK	946.65M	36.41	46.00	-9.59	1.91	3	Vertical	310	3.00	-	34.50	26.72	6.09	30.90

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

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	CTX		

Mode 1

14/04/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	86.26M	33.05	40.00	-6.95	-16.76	3	Horizontal	270	2.00	-	49.81	13.94	1.63	32.33
PK	94.99M	34.68	43.50	-8.82	-14.68	3	Horizontal	259	3.00	-	49.36	15.93	1.70	32.31
PK	722.58M	41.25	46.00	-4.75	-1.14	3	Horizontal	32	2.00	"Worst"	42.39	25.58	5.24	31.96
PK	891.36M	35.48	46.00	-10.52	0.95	3	Horizontal	221	1.25	-	34.53	26.42	5.87	31.34
PK	929.19M	35.56	46.00	-10.44	1.56	3	Horizontal	65	1.25	-	34.00	26.59	6.02	31.05
PK	951.5M	35.07	46.00	-10.93	2.00	3	Horizontal	289	1.00	-	33.07	26.75	6.11	30.86

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

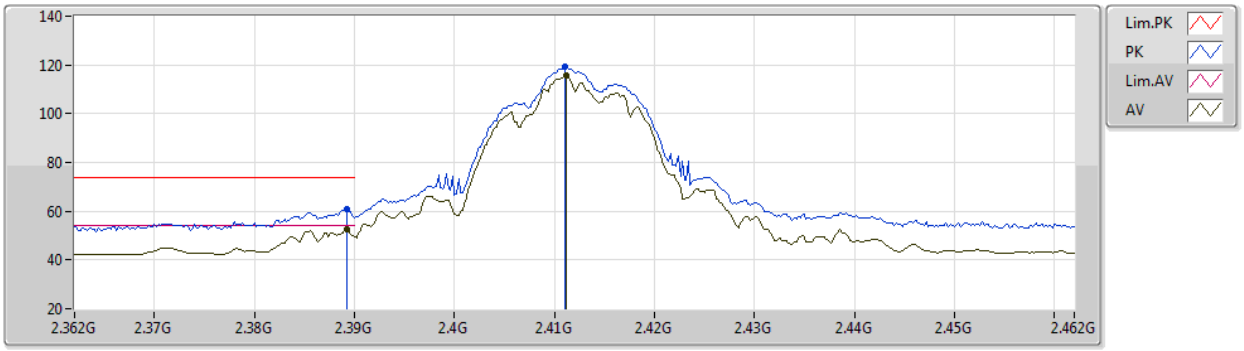
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	52.96	54.00	-1.04	3	Vertical	133	2.15	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

26/02/2021



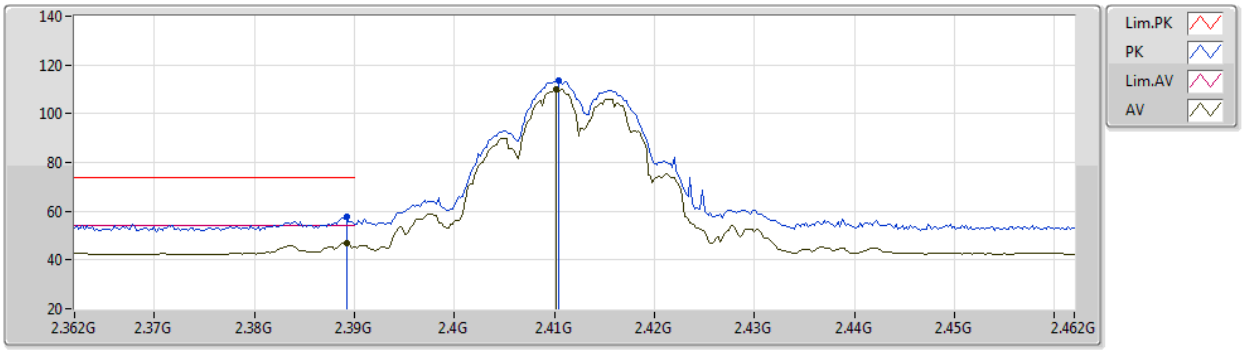
EUT Y_2TX
Setting 23.5
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	60.69	74.00	-13.31	31.12	3	Vertical	134	1.33	-	27.38	2.19	-
AV	2.3892G	52.33	54.00	-1.67	22.76	3	Vertical	134	1.33	-	27.38	2.19	-
PK	2.411G	119.32	Inf	-Inf	89.69	3	Vertical	134	1.33	-	27.42	2.21	-
AV	2.4112G	115.47	Inf	-Inf	85.84	3	Vertical	134	1.33	-	27.42	2.21	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

26/02/2021



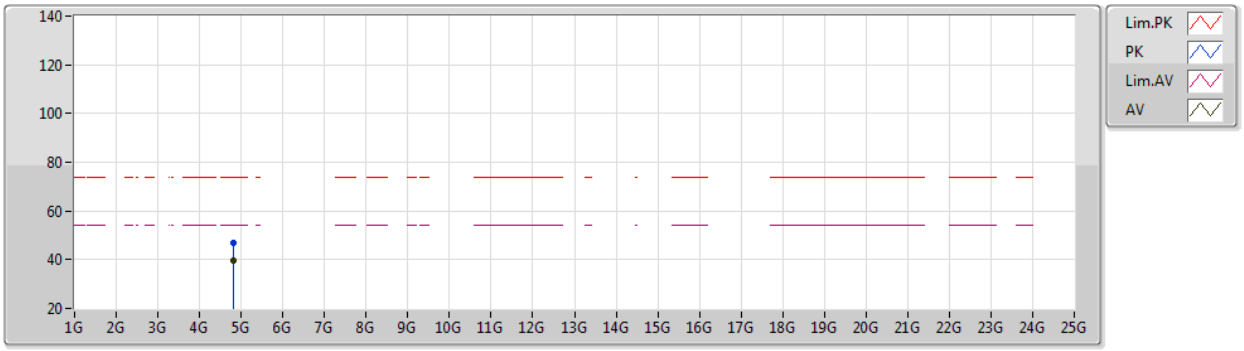
EUT Y_2TX
Setting 23.5
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	57.52	74.00	-16.48	27.95	3	Horizontal	277	2.31	-	27.38	2.19	-
AV	2.3892G	47.02	54.00	-6.98	17.45	3	Horizontal	277	2.31	-	27.38	2.19	-
PK	2.4104G	113.45	Inf	-Inf	83.82	3	Horizontal	277	2.31	-	27.42	2.21	-
AV	2.4102G	109.96	Inf	-Inf	80.33	3	Horizontal	277	2.31	-	27.42	2.21	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

26/02/2021



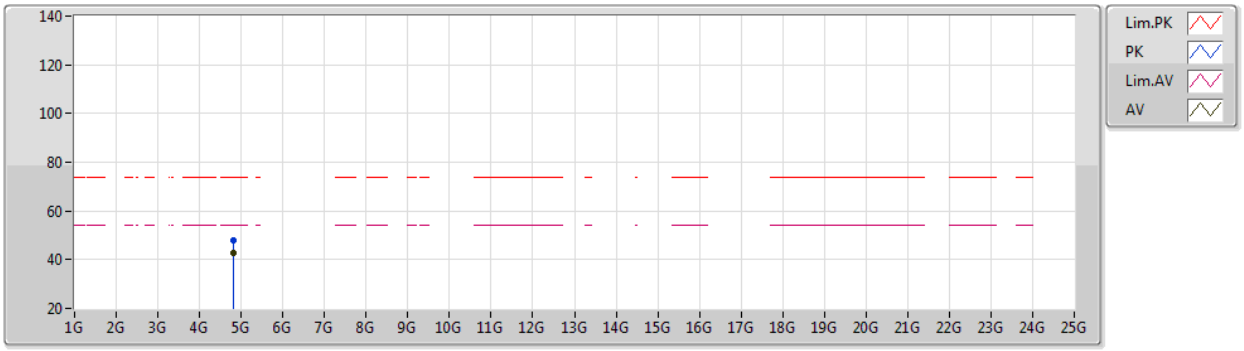
EUT Y_2TX
Setting 23.5
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82406G	46.81	74.00	-27.19	44.11	3	Vertical	7	1.84	-	32.24	5.01	34.55
AV	4.824G	39.50	54.00	-14.50	36.80	3	Vertical	7	1.84	-	32.24	5.01	34.55

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

26/02/2021



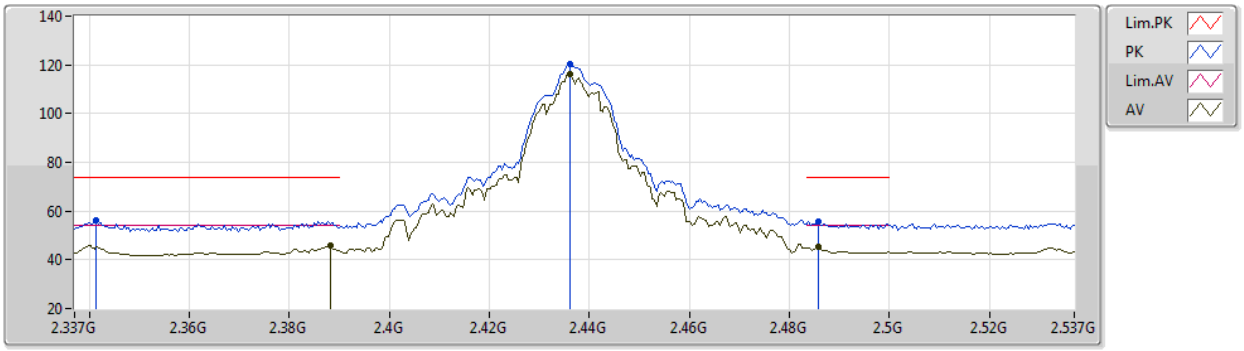
EUT Y_2TX
Setting 23.5
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82412G	48.18	74.00	-25.82	45.48	3	Horizontal	106	1.86	-	32.24	5.01	34.55
AV	4.82394G	42.67	54.00	-11.33	39.97	3	Horizontal	106	1.86	-	32.24	5.01	34.55

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

26/02/2021



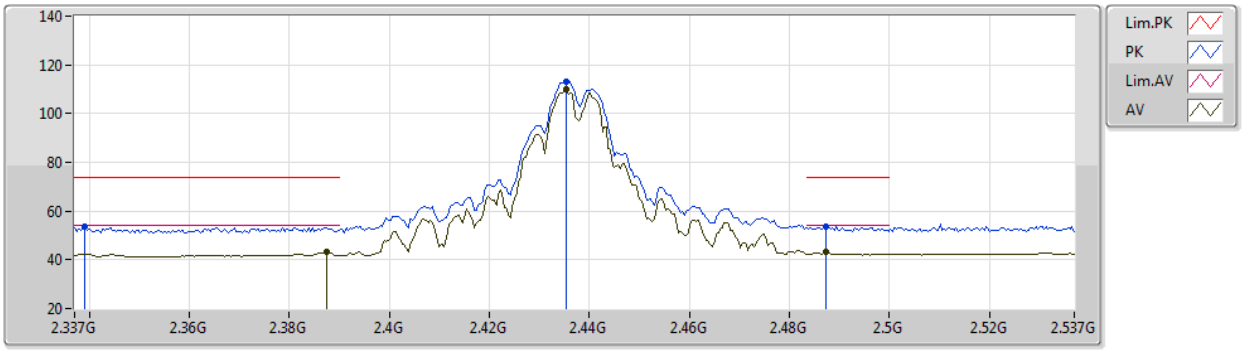
EUT Y_2TX
Setting 25
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3414G	56.25	74.00	-17.75	26.81	3	Vertical	122	1.99	-	27.30	2.14	-
AV	2.3882G	46.03	54.00	-7.97	16.46	3	Vertical	122	1.99	-	27.38	2.19	-
PK	2.4362G	120.49	Inf	-Inf	90.78	3	Vertical	122	1.99	-	27.47	2.24	-
AV	2.4362G	116.19	Inf	-Inf	86.48	3	Vertical	122	1.99	-	27.47	2.24	-
PK	2.4858G	55.93	74.00	-18.07	25.93	3	Vertical	122	1.99	-	27.71	2.29	-
AV	2.4858G	45.14	54.00	-8.86	15.14	3	Vertical	122	1.99	-	27.71	2.29	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

26/02/2021



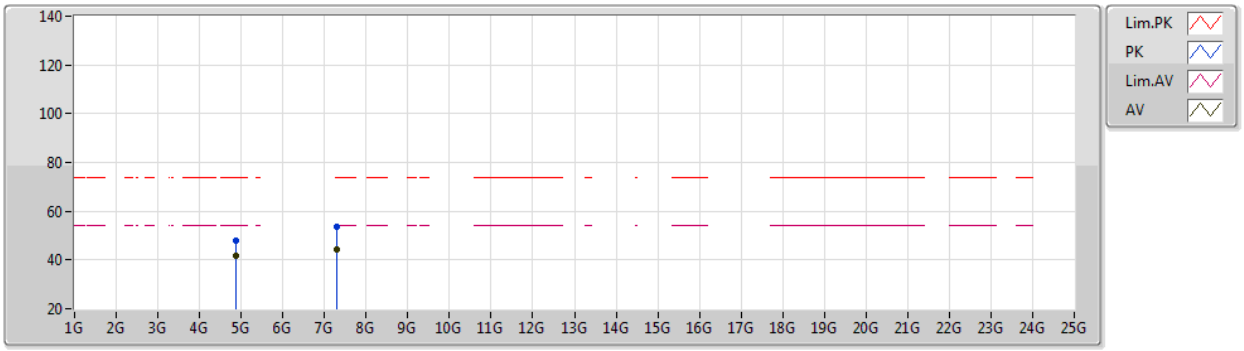
EUT Y_2TX
Setting 25
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.339G	53.57	74.00	-20.43	24.13	3	Horizontal	283	2.15	-	27.30	2.14	-
AV	2.3874G	43.02	54.00	-10.98	13.46	3	Horizontal	283	2.15	-	27.37	2.19	-
PK	2.4354G	113.26	Inf	-Inf	83.55	3	Horizontal	283	2.15	-	27.47	2.24	-
AV	2.4354G	109.82	Inf	-Inf	80.11	3	Horizontal	283	2.15	-	27.47	2.24	-
PK	2.4874G	53.85	74.00	-20.15	23.84	3	Horizontal	283	2.15	-	27.72	2.29	-
AV	2.4874G	43.17	54.00	-10.83	13.16	3	Horizontal	283	2.15	-	27.72	2.29	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

26/02/2021



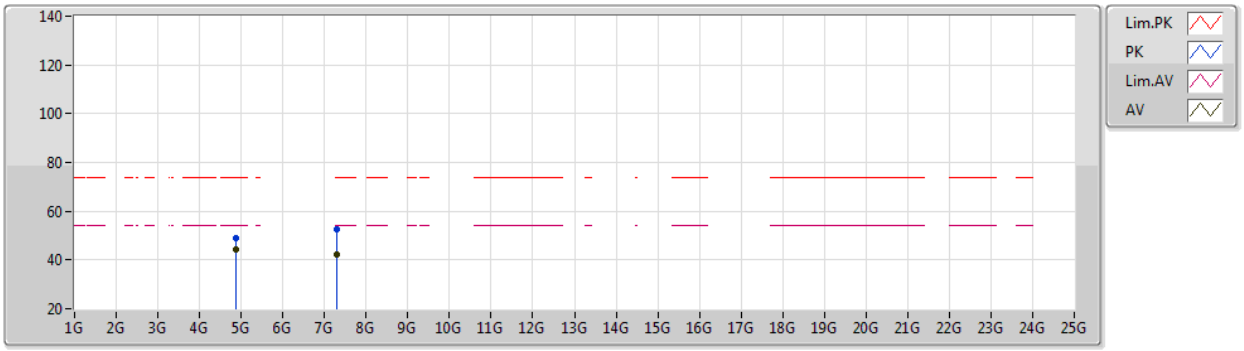
EUT Y_2TX
Setting 25
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87394G	47.74	74.00	-26.26	44.78	3	Vertical	105	2.14	-	32.45	5.04	34.53
AV	4.874G	41.97	54.00	-12.03	39.01	3	Vertical	105	2.14	-	32.45	5.04	34.53
PK	7.3098G	53.61	74.00	-20.39	44.81	3	Vertical	342	2.99	-	37.14	6.31	34.65
AV	7.30968G	44.33	54.00	-9.67	35.53	3	Vertical	342	2.99	-	37.14	6.31	34.65

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

26/02/2021



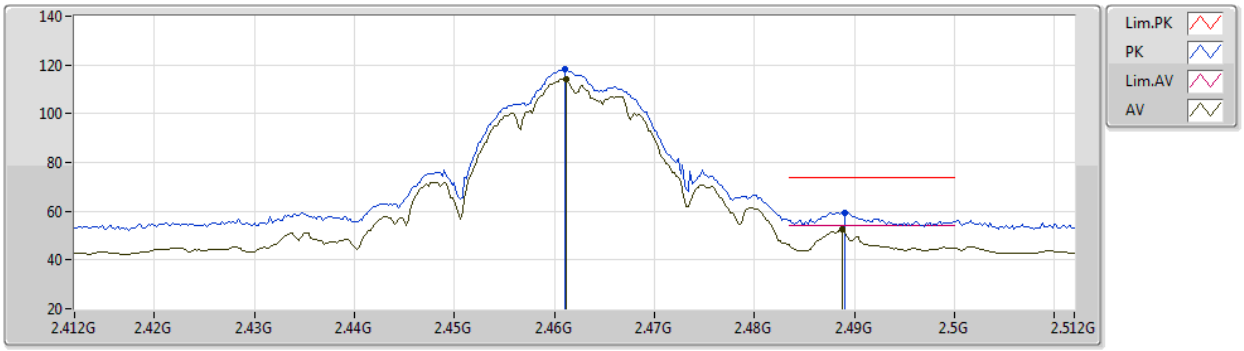
EUT Y_2TX
Setting 25
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.874G	48.87	74.00	-25.13	45.91	3	Horizontal	140	1.87	-	32.45	5.04	34.53
AV	4.874G	44.41	54.00	-9.59	41.45	3	Horizontal	140	1.87	-	32.45	5.04	34.53
PK	7.30998G	52.83	74.00	-21.17	44.03	3	Horizontal	122	1.70	-	37.14	6.31	34.65
AV	7.30974G	42.39	54.00	-11.61	33.59	3	Horizontal	122	1.70	-	37.14	6.31	34.65

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

26/02/2021



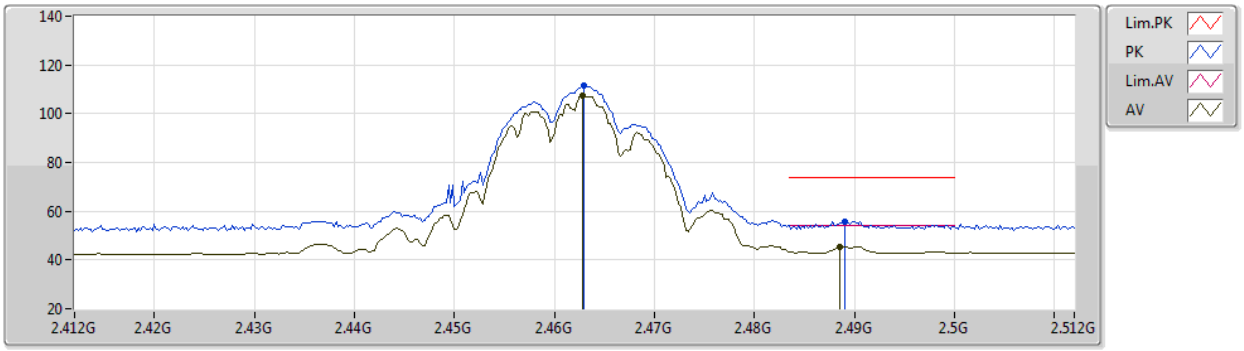
EUT Y_2TX
Setting 23
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	118.50	Inf	-Inf	88.67	3	Vertical	144	1.29	-	27.57	2.26	-
AV	2.4612G	114.38	Inf	-Inf	84.55	3	Vertical	144	1.29	-	27.57	2.26	-
PK	2.489G	59.50	74.00	-14.50	29.48	3	Vertical	144	1.29	-	27.73	2.29	-
AV	2.4888G	52.68	54.00	-1.32	22.66	3	Vertical	144	1.29	-	27.73	2.29	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

26/02/2021



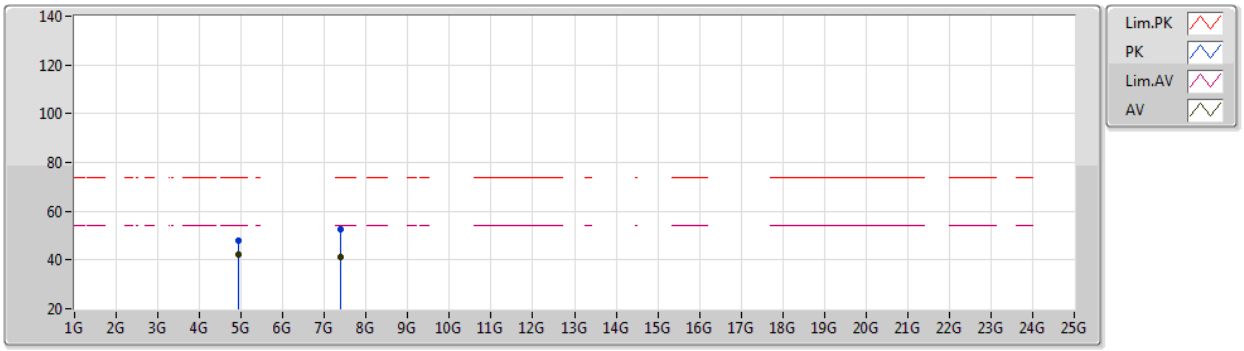
EUT Y_2TX
Setting 23
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	111.81	Inf	-Inf	81.97	3	Horizontal	287	2.08	-	27.58	2.26	-
AV	2.4628G	107.67	Inf	-Inf	77.83	3	Horizontal	287	2.08	-	27.58	2.26	-
PK	2.489G	55.94	74.00	-18.06	25.92	3	Horizontal	287	2.08	-	27.73	2.29	-
AV	2.4886G	45.60	54.00	-8.40	15.58	3	Horizontal	287	2.08	-	27.73	2.29	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

26/02/2021



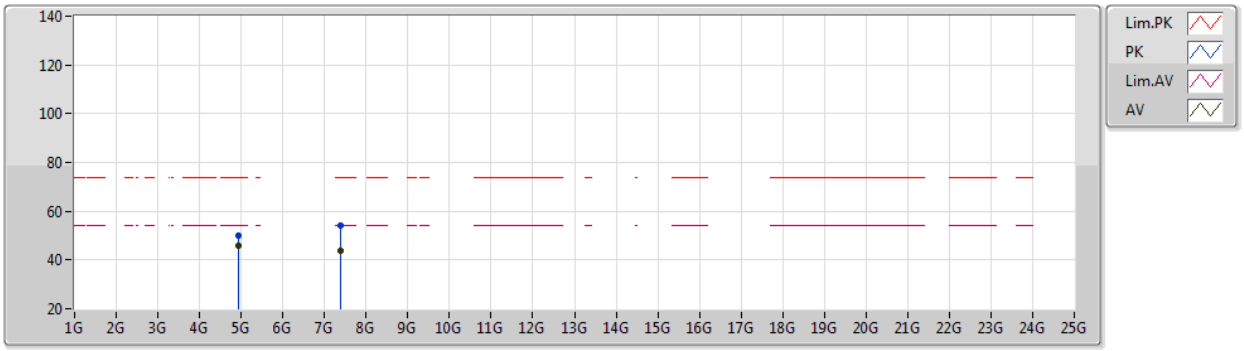
EUT Y_2TX
Setting 23
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.924G	48.18	74.00	-25.82	44.98	3	Vertical	100	1.80	-	32.64	5.06	34.50
AV	4.92394G	42.42	54.00	-11.58	39.22	3	Vertical	100	1.80	-	32.64	5.06	34.50
PK	7.38438G	52.50	74.00	-21.50	43.48	3	Vertical	290	1.91	-	37.30	6.38	34.66
AV	7.38336G	41.00	54.00	-13.00	31.98	3	Vertical	290	1.91	-	37.30	6.38	34.66

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

26/02/2021



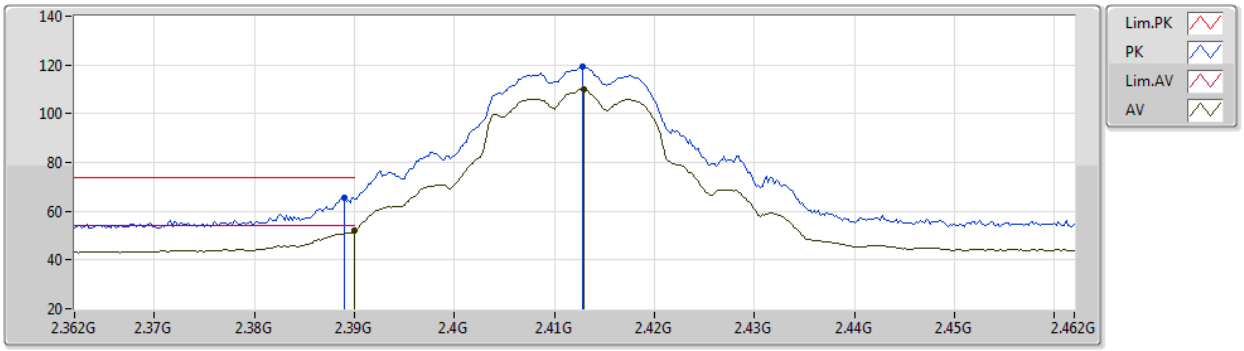
EUT Y_2TX
Setting 23
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92412G	50.22	74.00	-23.78	47.02	3	Horizontal	130	1.95	-	32.64	5.06	34.50
AV	4.92394G	45.77	54.00	-8.23	42.57	3	Horizontal	130	1.95	-	32.64	5.06	34.50
PK	7.3848G	53.89	74.00	-20.11	44.87	3	Horizontal	110	1.80	-	37.30	6.38	34.66
AV	7.38474G	43.62	54.00	-10.38	34.60	3	Horizontal	110	1.80	-	37.30	6.38	34.66

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

26/02/2021



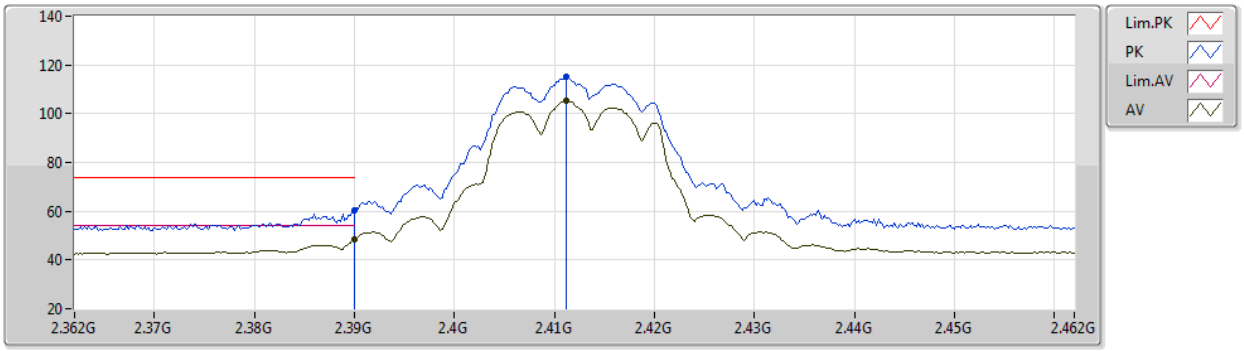
EUT Y_2TX
Setting 21
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	65.40	74.00	-8.60	35.83	3	Vertical	148	1.53	-	27.38	2.19	-
AV	2.39G	52.09	54.00	-1.91	22.52	3	Vertical	148	1.53	-	27.38	2.19	-
PK	2.4128G	119.23	Inf	-Inf	89.59	3	Vertical	148	1.53	-	27.43	2.21	-
AV	2.413G	110.01	Inf	-Inf	80.37	3	Vertical	148	1.53	-	27.43	2.21	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

26/02/2021



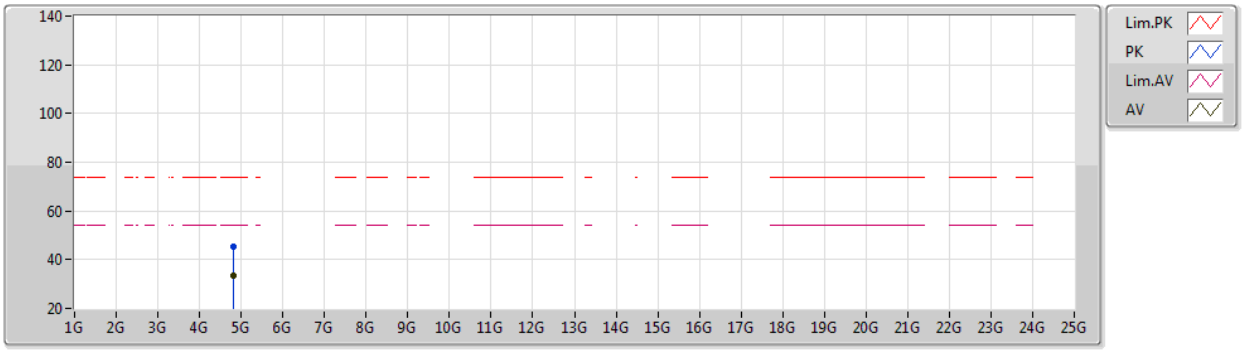
EUT Y_2TX
Setting 21
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	60.27	74.00	-13.73	30.70	3	Horizontal	275	2.36	-	27.38	2.19	-
AV	2.39G	48.43	54.00	-5.57	18.86	3	Horizontal	275	2.36	-	27.38	2.19	-
PK	2.4112G	115.19	Inf	-Inf	85.56	3	Horizontal	275	2.36	-	27.42	2.21	-
AV	2.4112G	105.39	Inf	-Inf	75.76	3	Horizontal	275	2.36	-	27.42	2.21	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

26/02/2021



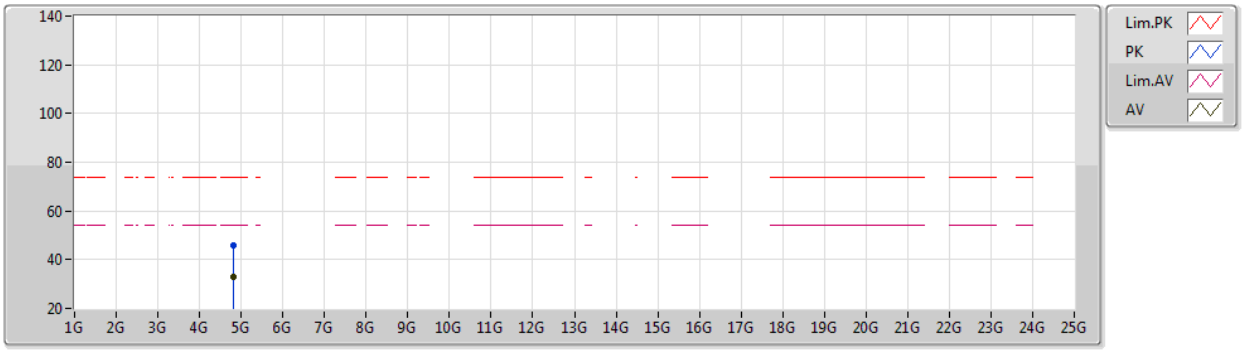
EUT Y_2TX
Setting 21
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8238G	45.39	74.00	-28.61	42.69	3	Vertical	5	3.00	-	32.24	5.01	34.55
AV	4.82386G	33.47	54.00	-20.53	30.77	3	Vertical	5	3.00	-	32.24	5.01	34.55

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

26/02/2021



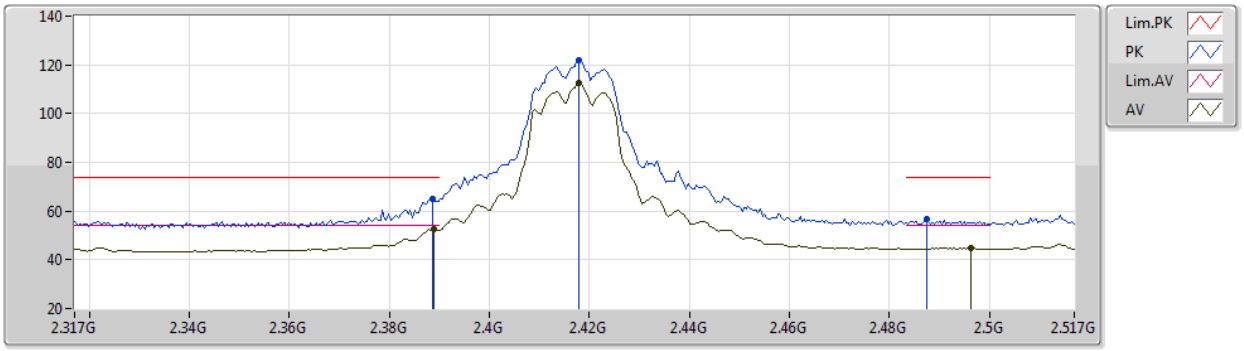
EUT Y_2TX
Setting 21
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82392G	45.82	74.00	-28.18	43.12	3	Horizontal	153	2.83	-	32.24	5.01	34.55
AV	4.82386G	32.72	54.00	-21.28	30.02	3	Horizontal	153	2.83	-	32.24	5.01	34.55

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

26/02/2021



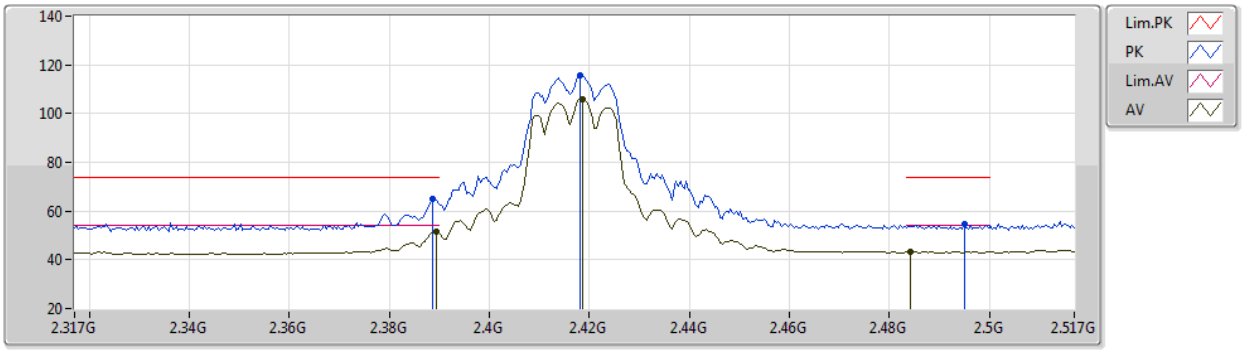
EUT Y_2TX
Setting 22.5
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	65.25	74.00	-8.75	35.68	3	Vertical	135	1.34	-	27.38	2.19	-
AV	2.389G	52.60	54.00	-1.40	23.03	3	Vertical	135	1.34	-	27.38	2.19	-
PK	2.4178G	121.78	Inf	-Inf	92.12	3	Vertical	135	1.34	-	27.44	2.22	-
AV	2.4178G	112.44	Inf	-Inf	82.78	3	Vertical	135	1.34	-	27.44	2.22	-
PK	2.4874G	56.56	74.00	-17.44	26.55	3	Vertical	135	1.34	-	27.72	2.29	-
AV	2.4962G	44.97	54.00	-9.03	14.89	3	Vertical	135	1.34	-	27.78	2.30	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

26/02/2021



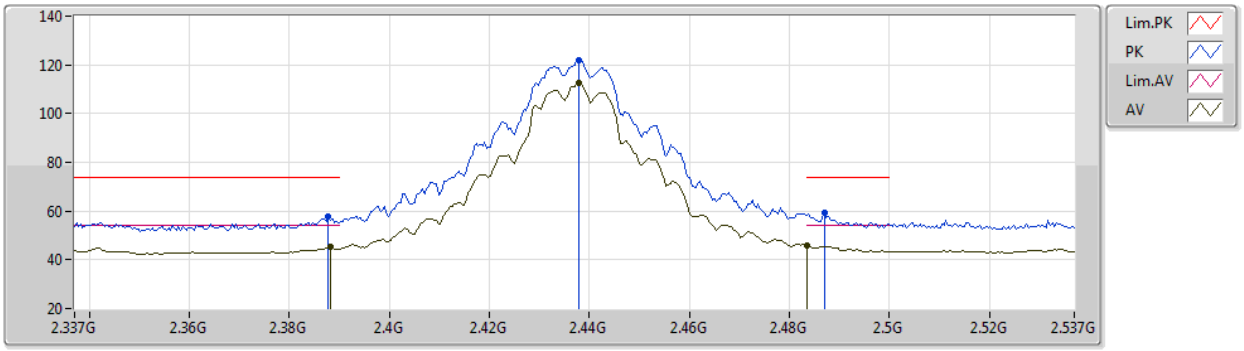
EUT Y_2TX
Setting 22.5
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	64.84	74.00	-9.16	35.27	3	Horizontal	277	2.24	-	27.38	2.19	-
AV	2.3894G	51.34	54.00	-2.66	21.77	3	Horizontal	277	2.24	-	27.38	2.19	-
PK	2.4182G	115.57	Inf	-Inf	85.91	3	Horizontal	277	2.24	-	27.44	2.22	-
AV	2.4186G	105.88	Inf	-Inf	76.22	3	Horizontal	277	2.24	-	27.44	2.22	-
PK	2.495G	54.55	74.00	-19.45	24.49	3	Horizontal	277	2.24	-	27.77	2.29	-
AV	2.4842G	43.18	54.00	-10.82	13.19	3	Horizontal	277	2.24	-	27.71	2.28	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

26/02/2021



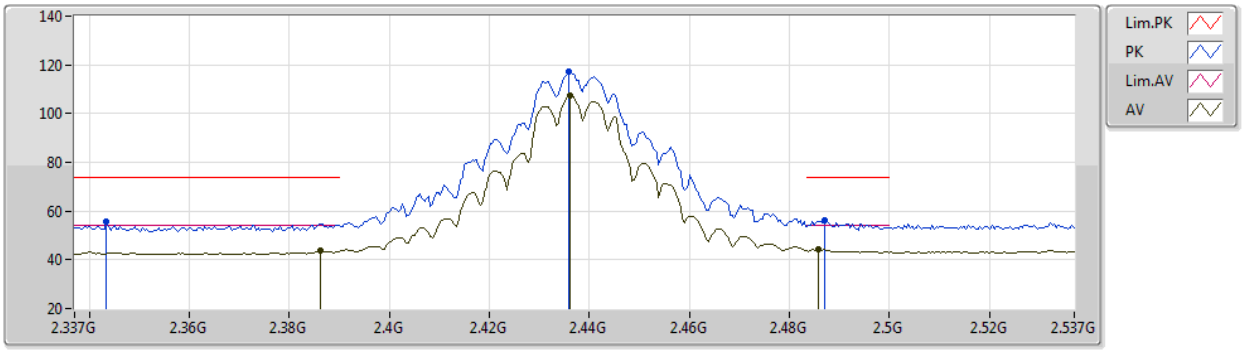
EUT Y_2TX
Setting 25
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3878G	57.91	74.00	-16.09	28.34	3	Vertical	123	1.93	-	27.38	2.19	-
AV	2.3882G	45.19	54.00	-8.81	15.62	3	Vertical	123	1.93	-	27.38	2.19	-
PK	2.4378G	122.13	Inf	-Inf	92.41	3	Vertical	123	1.93	-	27.48	2.24	-
AV	2.4378G	112.70	Inf	-Inf	82.98	3	Vertical	123	1.93	-	27.48	2.24	-
PK	2.487G	59.39	74.00	-14.61	29.38	3	Vertical	123	1.93	-	27.72	2.29	-
AV	2.4835G	46.07	54.00	-7.93	16.09	3	Vertical	123	1.93	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

26/02/2021



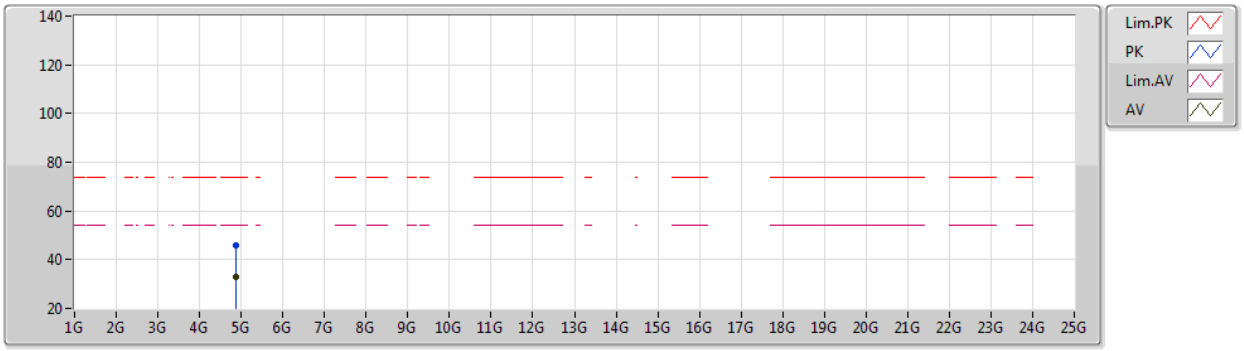
EUT Y_2TX
Setting 25
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3434G	55.46	74.00	-18.54	26.02	3	Horizontal	280	1.88	-	27.30	2.14	-
AV	2.3862G	43.54	54.00	-10.46	13.98	3	Horizontal	280	1.88	-	27.37	2.19	-
PK	2.4358G	117.22	Inf	-Inf	87.51	3	Horizontal	280	1.88	-	27.47	2.24	-
AV	2.4362G	107.46	Inf	-Inf	77.75	3	Horizontal	280	1.88	-	27.47	2.24	-
PK	2.487G	56.17	74.00	-17.83	26.16	3	Horizontal	280	1.88	-	27.72	2.29	-
AV	2.4858G	44.38	54.00	-9.62	14.38	3	Horizontal	280	1.88	-	27.71	2.29	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

26/02/2021



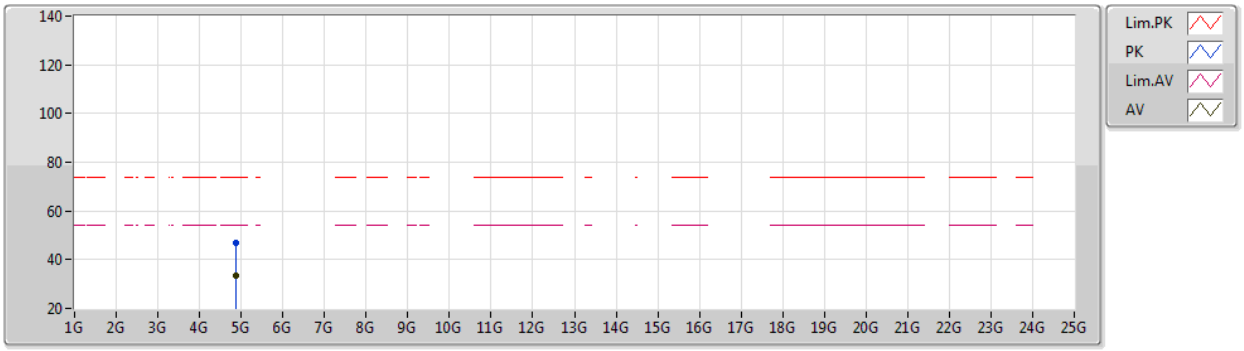
EUT Y_2TX
Setting 25
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87348G	45.80	74.00	-28.20	42.84	3	Vertical	123	1.87	-	32.45	5.04	34.53
AV	4.87306G	32.80	54.00	-21.20	29.84	3	Vertical	123	1.87	-	32.45	5.04	34.53

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

26/02/2021



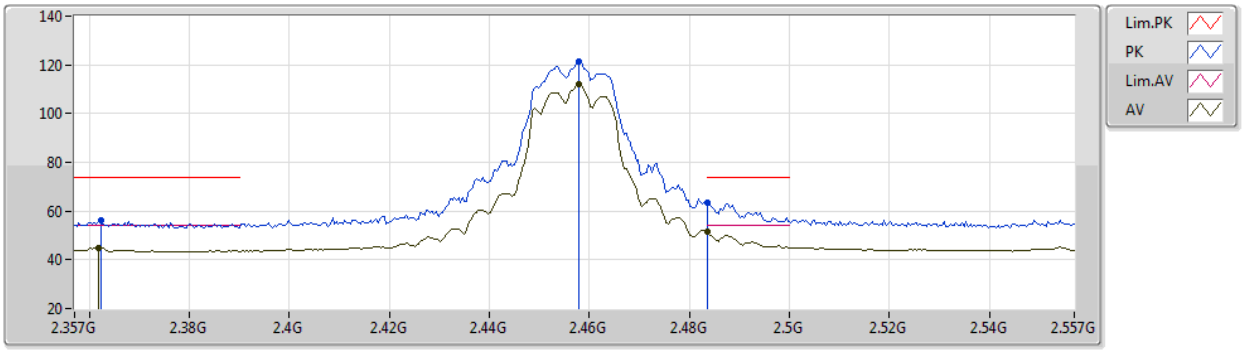
EUT Y_2TX
Setting 25
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87354G	47.08	74.00	-26.92	44.12	3	Horizontal	139	1.90	-	32.45	5.04	34.53
AV	4.87406G	33.21	54.00	-20.79	30.25	3	Horizontal	139	1.90	-	32.45	5.04	34.53

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

26/02/2021



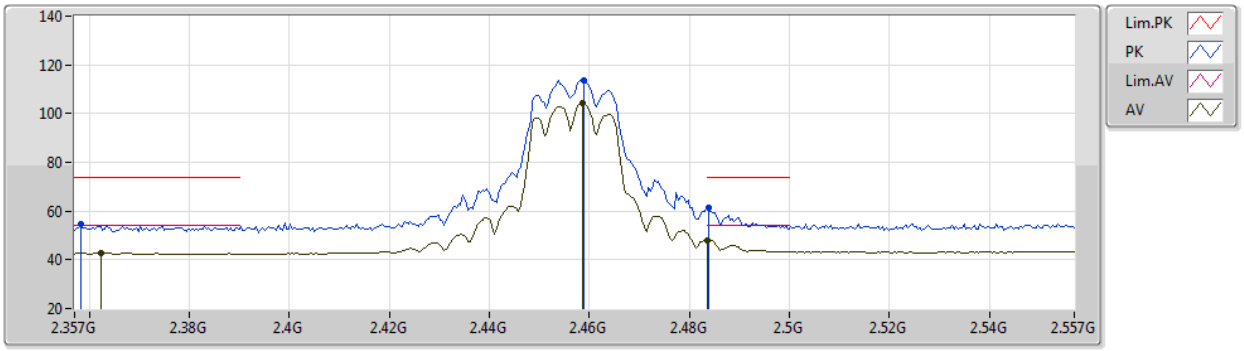
EUT Y_2TX
Setting 22
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3622G	56.38	74.00	-17.62	26.90	3	Vertical	128	1.52	-	27.32	2.16	-
AV	2.3618G	44.99	54.00	-9.01	15.51	3	Vertical	128	1.52	-	27.32	2.16	-
PK	2.4578G	121.15	Inf	-Inf	91.34	3	Vertical	128	1.52	-	27.55	2.26	-
AV	2.4578G	112.00	Inf	-Inf	82.19	3	Vertical	128	1.52	-	27.55	2.26	-
PK	2.4835G	63.65	74.00	-10.35	33.67	3	Vertical	128	1.52	-	27.70	2.28	-
AV	2.4835G	51.68	54.00	-2.32	21.70	3	Vertical	128	1.52	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

26/02/2021



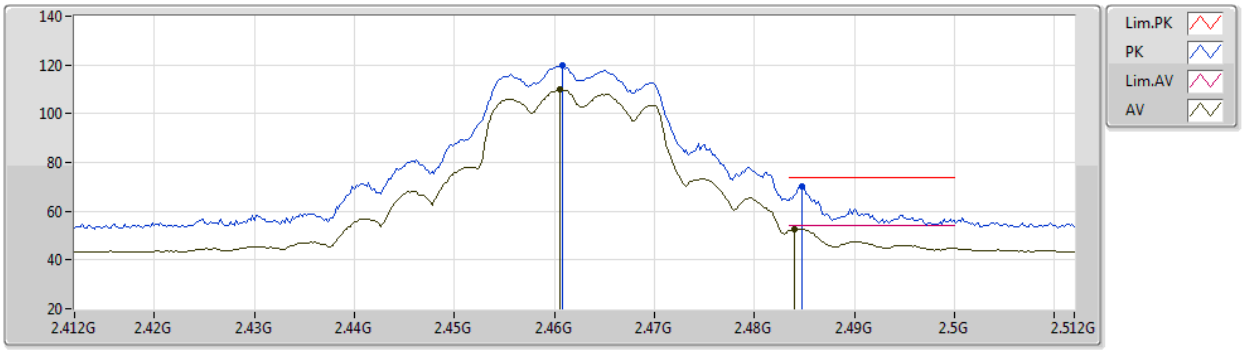
EUT Y_2TX
Setting 22
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3582G	54.58	74.00	-19.42	25.10	3	Horizontal	283	1.80	-	27.32	2.16	-
AV	2.3622G	42.97	54.00	-11.03	13.49	3	Horizontal	283	1.80	-	27.32	2.16	-
PK	2.459G	113.87	Inf	-Inf	84.06	3	Horizontal	283	1.80	-	27.55	2.26	-
AV	2.4586G	104.35	Inf	-Inf	74.54	3	Horizontal	283	1.80	-	27.55	2.26	-
PK	2.4838G	61.51	74.00	-12.49	31.53	3	Horizontal	283	1.80	-	27.70	2.28	-
AV	2.4835G	48.01	54.00	-5.99	18.03	3	Horizontal	283	1.80	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

26/02/2021



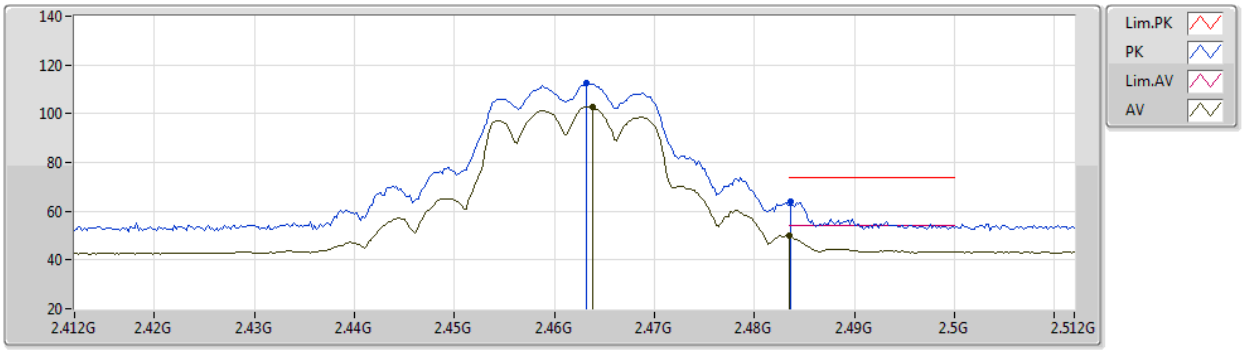
EUT Y_2TX
Setting 20.5
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4608G	119.69	Inf	-Inf	89.87	3	Vertical	133	1.22	-	27.56	2.26	-
AV	2.4606G	109.76	Inf	-Inf	79.94	3	Vertical	133	1.22	-	27.56	2.26	-
PK	2.4848G	70.29	74.00	-3.71	40.30	3	Vertical	133	1.22	-	27.71	2.28	-
AV	2.484G	52.75	54.00	-1.25	22.77	3	Vertical	133	1.22	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

26/02/2021



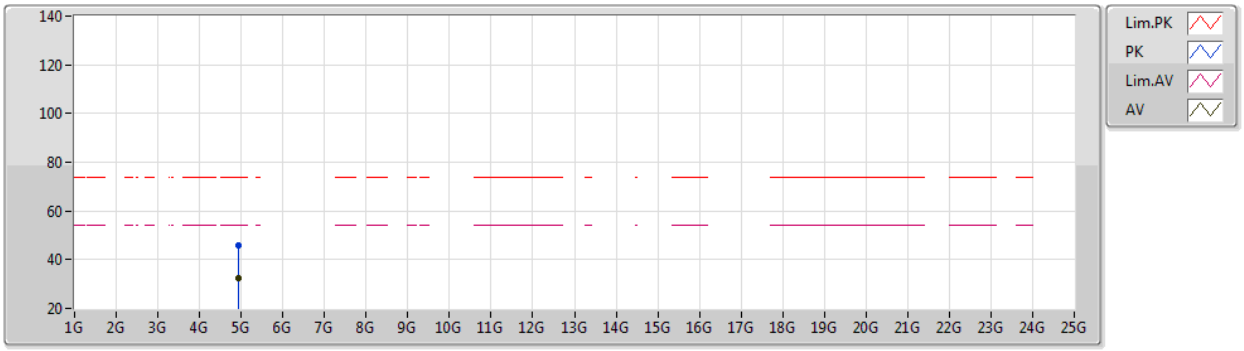
EUT Y_2TX
Setting 20.5
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4632G	112.45	Inf	-Inf	82.61	3	Horizontal	278	1.85	-	27.58	2.26	-
AV	2.4638G	102.79	Inf	-Inf	72.95	3	Horizontal	278	1.85	-	27.58	2.26	-
PK	2.4836G	63.93	74.00	-10.07	33.95	3	Horizontal	278	1.85	-	27.70	2.28	-
AV	2.4835G	49.77	54.00	-4.23	19.79	3	Horizontal	278	1.85	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

26/02/2021



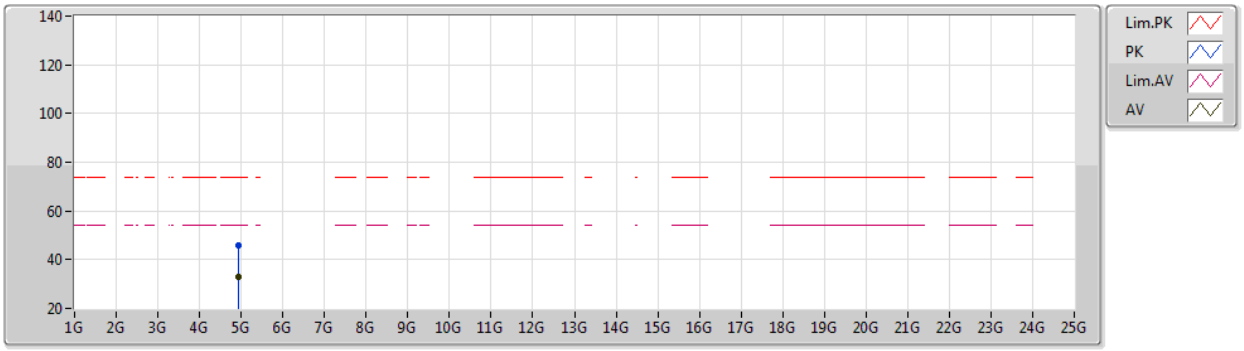
EUT Y_2TX
Setting 20.5
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92418G	45.94	74.00	-28.06	42.73	3	Vertical	106	2.78	-	32.65	5.06	34.50
AV	4.92379G	32.51	54.00	-21.49	29.31	3	Vertical	106	2.78	-	32.64	5.06	34.50

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

26/02/2021



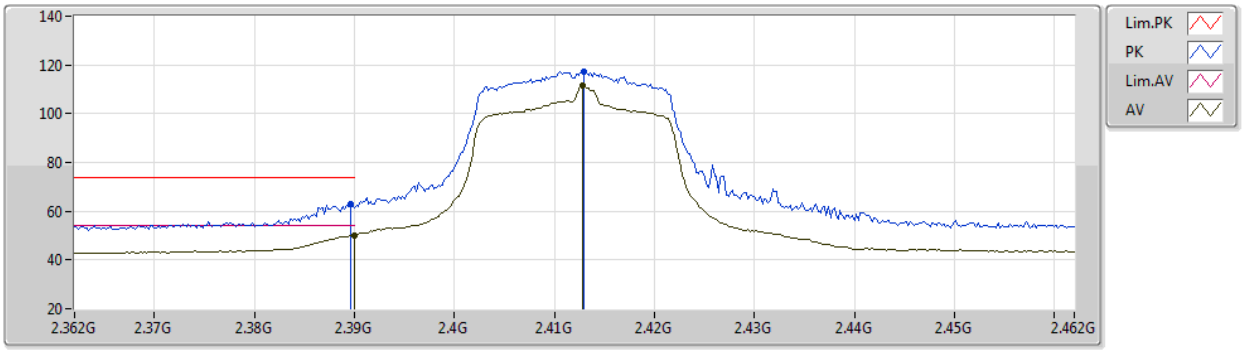
EUT Y_2TX
Setting 20.5
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92437G	46.02	74.00	-27.98	42.81	3	Horizontal	157	1.00	-	32.65	5.06	34.50
AV	4.92386G	32.82	54.00	-21.18	29.62	3	Horizontal	157	1.00	-	32.64	5.06	34.50

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

26/02/2021



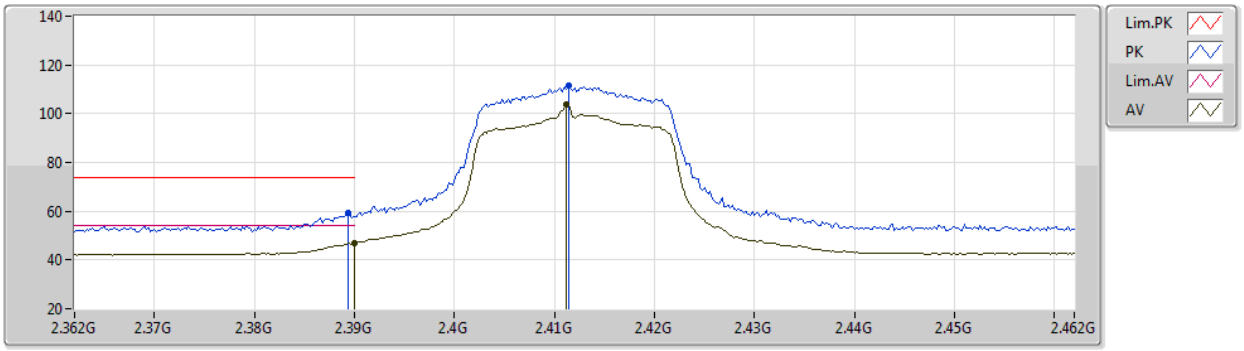
EUT Y_2TX
Setting 23
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	62.84	74.00	-11.16	33.27	3	Vertical	316	1.74	-	27.38	2.19	-
AV	2.39G	50.22	54.00	-3.78	20.65	3	Vertical	316	1.74	-	27.38	2.19	-
PK	2.413G	117.46	Inf	-Inf	87.82	3	Vertical	316	1.74	-	27.43	2.21	-
AV	2.4128G	111.59	Inf	-Inf	81.95	3	Vertical	316	1.74	-	27.43	2.21	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

26/02/2021



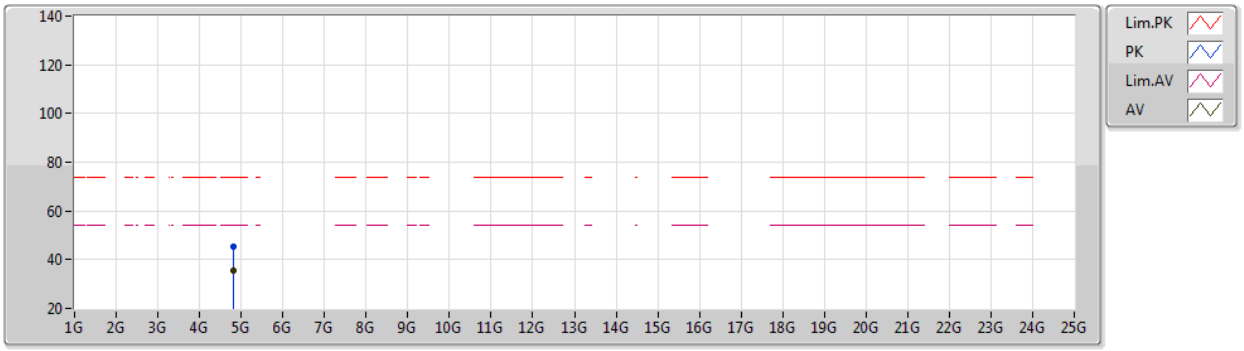
EUT Y_2TX
Setting 23
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	59.38	74.00	-14.62	29.81	3	Horizontal	272	2.89	-	27.38	2.19	-
AV	2.39G	46.95	54.00	-7.05	17.38	3	Horizontal	272	2.89	-	27.38	2.19	-
PK	2.4114G	111.43	Inf	-Inf	81.80	3	Horizontal	272	2.89	-	27.42	2.21	-
AV	2.4112G	103.85	Inf	-Inf	74.22	3	Horizontal	272	2.89	-	27.42	2.21	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

26/02/2021



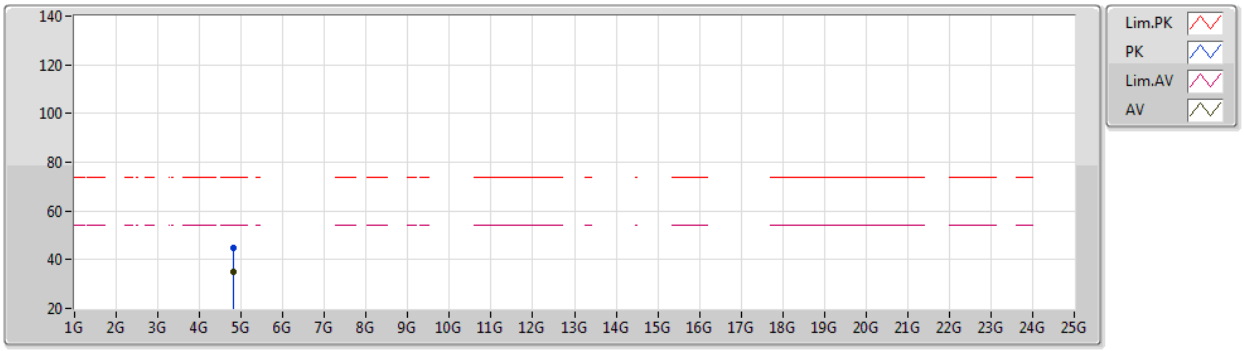
EUT Y_2TX
Setting 23
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82401G	45.23	74.00	-28.77	42.53	3	Vertical	99	2.73	-	32.24	5.01	34.55
AV	4.82402G	35.34	54.00	-18.66	32.64	3	Vertical	99	2.73	-	32.24	5.01	34.55

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

26/02/2021



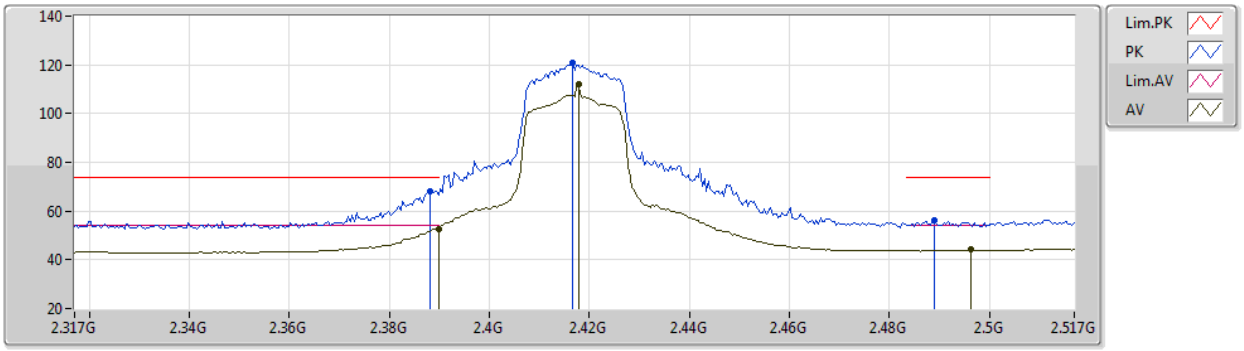
EUT Y_2TX
Setting 23
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82422G	45.01	74.00	-28.99	42.30	3	Horizontal	157	1.80	-	32.25	5.01	34.55
AV	4.82393G	35.08	54.00	-18.92	32.38	3	Horizontal	157	1.80	-	32.24	5.01	34.55

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

26/02/2021



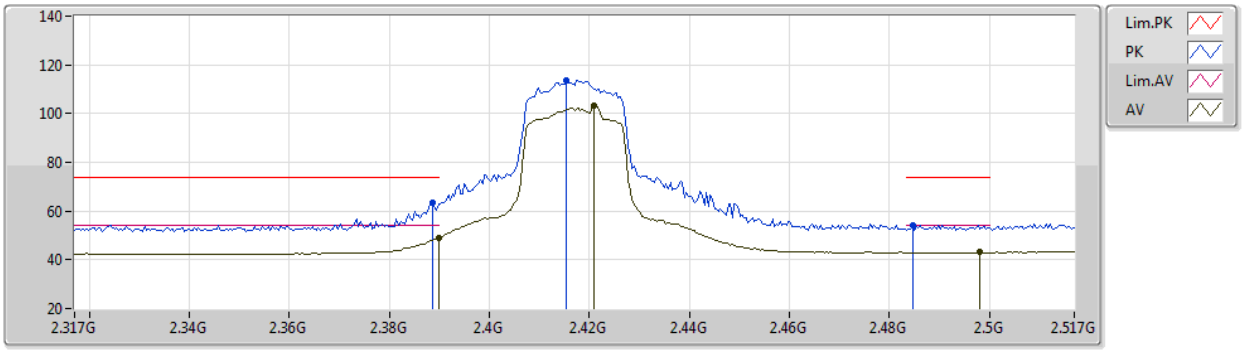
EUT Y_2TX
Setting 25
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3882G	68.09	74.00	-5.91	38.52	3	Vertical	134	1.37	-	27.38	2.19	-
AV	2.3898G	52.81	54.00	-1.19	23.24	3	Vertical	134	1.37	-	27.38	2.19	-
PK	2.4166G	120.87	Inf	-Inf	91.22	3	Vertical	134	1.37	-	27.43	2.22	-
AV	2.4178G	112.01	Inf	-Inf	82.35	3	Vertical	134	1.37	-	27.44	2.22	-
PK	2.489G	56.02	74.00	-17.98	26.00	3	Vertical	134	1.37	-	27.73	2.29	-
AV	2.4962G	44.11	54.00	-9.89	14.03	3	Vertical	134	1.37	-	27.78	2.30	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

26/02/2021



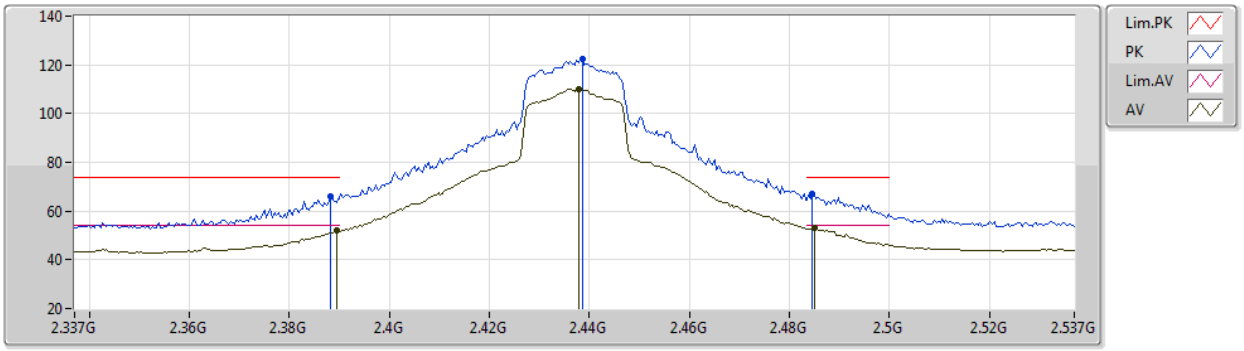
EUT Y_2TX
Setting 25
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	63.55	74.00	-10.45	33.98	3	Horizontal	276	2.33	-	27.38	2.19	-
AV	2.3898G	48.79	54.00	-5.21	19.22	3	Horizontal	276	2.33	-	27.38	2.19	-
PK	2.4154G	113.64	Inf	-Inf	83.99	3	Horizontal	276	2.33	-	27.43	2.22	-
AV	2.421G	103.36	Inf	-Inf	73.70	3	Horizontal	276	2.33	-	27.44	2.22	-
PK	2.4846G	54.27	74.00	-19.73	24.28	3	Horizontal	276	2.33	-	27.71	2.28	-
AV	2.4982G	43.03	54.00	-10.97	12.94	3	Horizontal	276	2.33	-	27.79	2.30	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



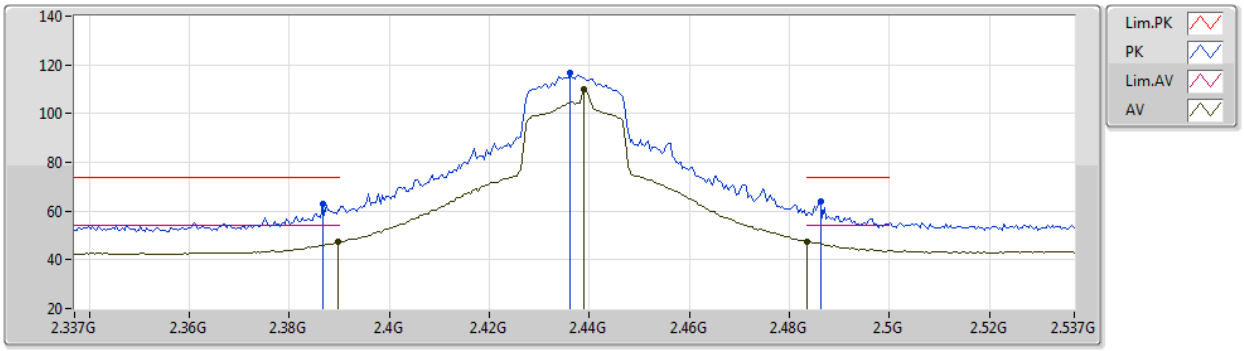
EUT Y_2TX
Setting 27
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3882G	65.93	74.00	-8.07	36.36	3	Vertical	123	1.49	-	27.38	2.19	-
AV	2.3894G	52.12	54.00	-1.88	22.55	3	Vertical	123	1.49	-	27.38	2.19	-
PK	2.4386G	122.20	Inf	-Inf	92.48	3	Vertical	123	1.49	-	27.48	2.24	-
AV	2.4378G	110.24	Inf	-Inf	80.52	3	Vertical	123	1.49	-	27.48	2.24	-
PK	2.4846G	67.30	74.00	-6.70	37.31	3	Vertical	123	1.49	-	27.71	2.28	-
AV	2.485G	52.95	54.00	-1.05	22.95	3	Vertical	123	1.49	-	27.71	2.29	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



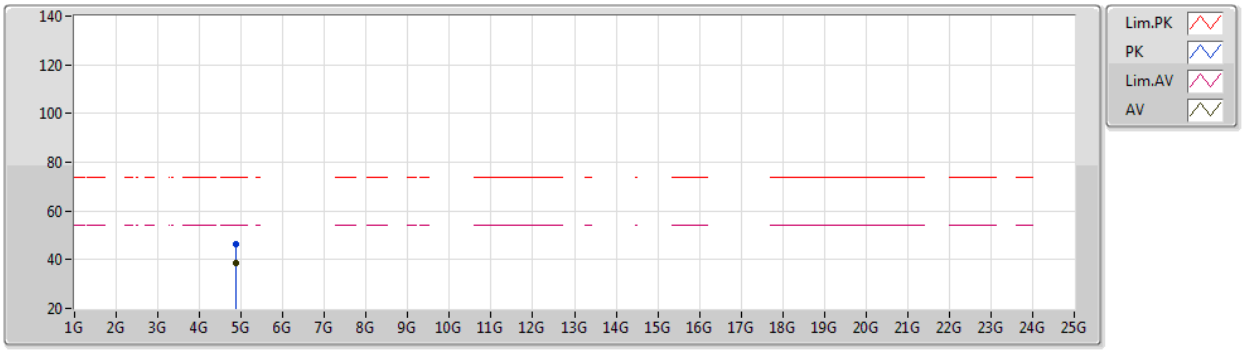
EUT Y_2TX
Setting 27
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3866G	63.03	74.00	-10.97	33.47	3	Horizontal	276	2.16	-	27.37	2.19	-
AV	2.3898G	47.36	54.00	-6.64	17.79	3	Horizontal	276	2.16	-	27.38	2.19	-
PK	2.4362G	116.78	Inf	-Inf	87.07	3	Horizontal	276	2.16	-	27.47	2.24	-
AV	2.439G	110.08	Inf	-Inf	80.36	3	Horizontal	276	2.16	-	27.48	2.24	-
PK	2.4862G	63.89	74.00	-10.11	33.88	3	Horizontal	276	2.16	-	27.72	2.29	-
AV	2.4835G	47.42	54.00	-6.58	17.44	3	Horizontal	276	2.16	-	27.70	2.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



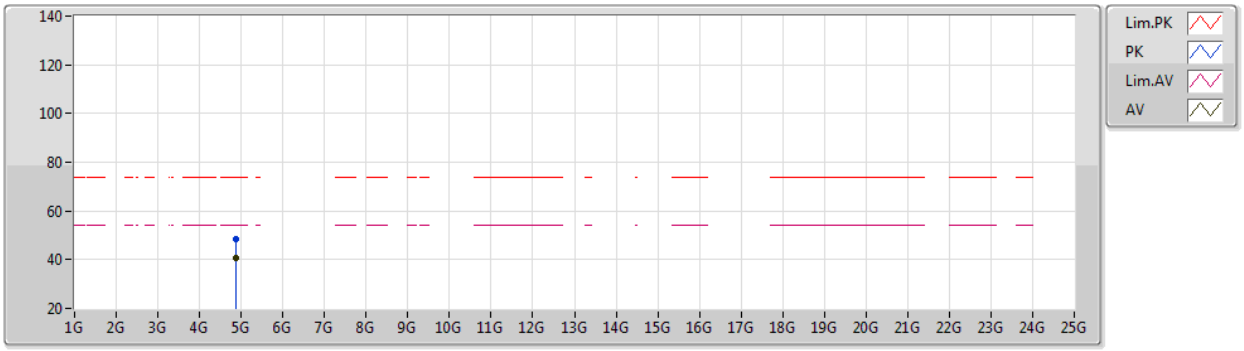
EUT Y_2TX
Setting 27
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87393G	46.30	74.00	-27.70	43.34	3	Vertical	154	2.44	-	32.45	5.04	34.53
AV	4.87397G	38.56	54.00	-15.44	35.60	3	Vertical	154	2.44	-	32.45	5.04	34.53

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



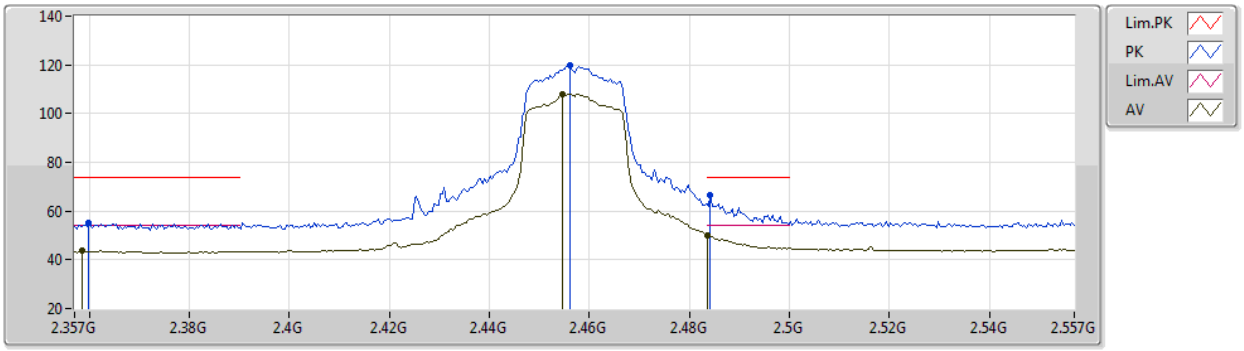
EUT Y_2TX
Setting 27
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87394G	48.28	74.00	-25.72	45.32	3	Horizontal	156	2.97	-	32.45	5.04	34.53
AV	4.87395G	40.85	54.00	-13.15	37.89	3	Horizontal	156	2.97	-	32.45	5.04	34.53

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

26/02/2021



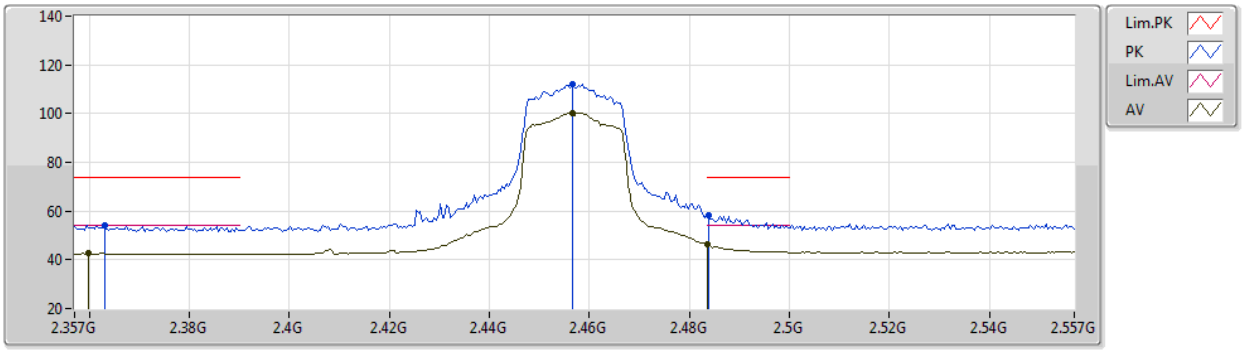
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3598G	55.23	74.00	-18.77	25.75	3	Vertical	125	1.00	-	27.32	2.16	-
AV	2.3586G	43.56	54.00	-10.44	14.08	3	Vertical	125	1.00	-	27.32	2.16	-
PK	2.4562G	119.76	Inf	-Inf	89.96	3	Vertical	125	1.00	-	27.54	2.26	-
AV	2.4546G	108.10	Inf	-Inf	78.32	3	Vertical	125	1.00	-	27.53	2.25	-
PK	2.4842G	66.36	74.00	-7.64	36.37	3	Vertical	125	1.00	-	27.71	2.28	-
AV	2.4835G	50.22	54.00	-3.78	20.24	3	Vertical	125	1.00	-	27.70	2.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

26/02/2021



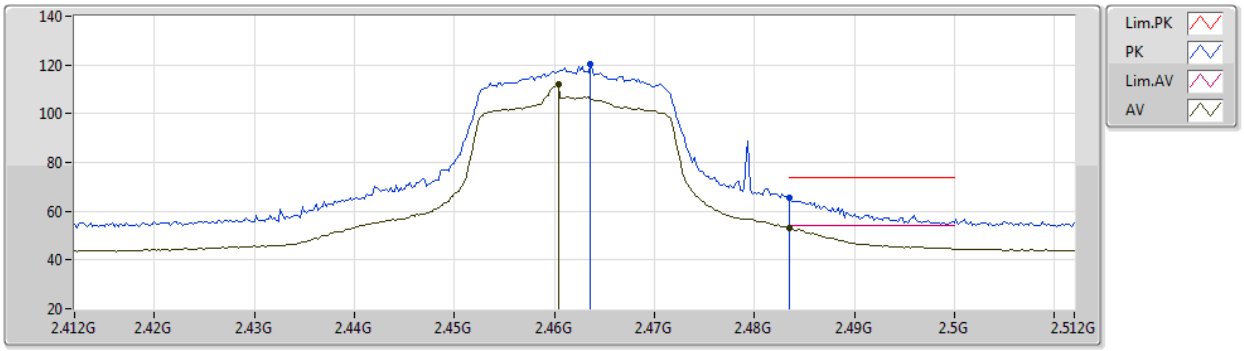
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.363G	53.94	74.00	-20.06	24.45	3	Horizontal	280	1.77	-	27.33	2.16	-
AV	2.3598G	42.67	54.00	-11.33	13.19	3	Horizontal	280	1.77	-	27.32	2.16	-
PK	2.4566G	112.05	Inf	-Inf	82.25	3	Horizontal	280	1.77	-	27.54	2.26	-
AV	2.4566G	100.21	Inf	-Inf	70.41	3	Horizontal	280	1.77	-	27.54	2.26	-
PK	2.4838G	58.37	74.00	-15.63	28.39	3	Horizontal	280	1.77	-	27.70	2.28	-
AV	2.4835G	46.36	54.00	-7.64	16.38	3	Horizontal	280	1.77	-	27.70	2.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

26/02/2021



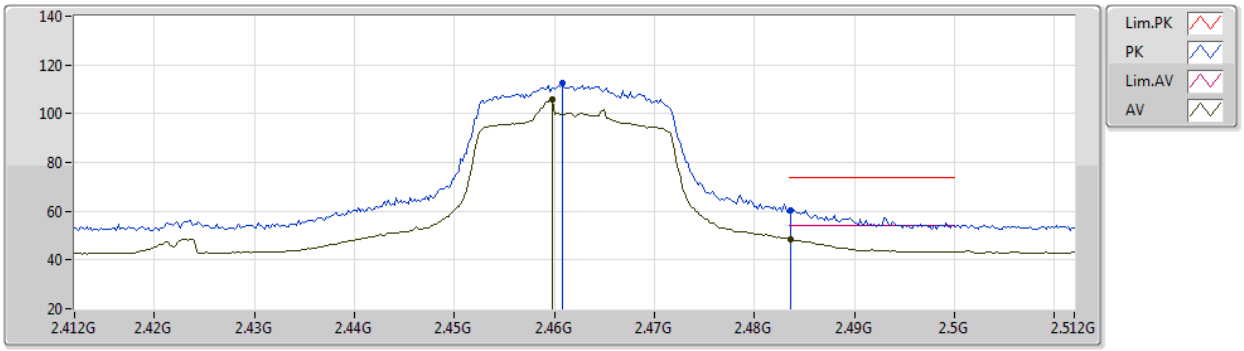
EUT Y_2TX
Setting 24
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4636G	120.23	Inf	-Inf	90.39	3	Vertical	133	2.15	-	27.58	2.26	-
AV	2.4604G	111.86	Inf	-Inf	82.04	3	Vertical	133	2.15	-	27.56	2.26	-
PK	2.4835G	65.64	74.00	-8.36	35.66	3	Vertical	133	2.15	-	27.70	2.28	-
AV	2.4835G	52.96	54.00	-1.04	22.98	3	Vertical	133	2.15	-	27.70	2.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

26/02/2021



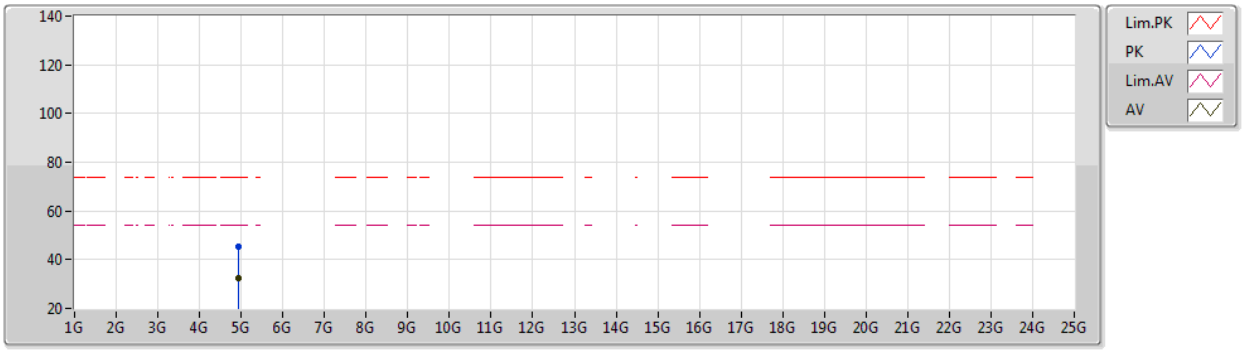
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4608G	112.44	Inf	-Inf	82.62	3	Horizontal	279	1.83	-	27.56	2.26	-
AV	2.4598G	105.74	Inf	-Inf	75.92	3	Horizontal	279	1.83	-	27.56	2.26	-
PK	2.4836G	60.57	74.00	-13.43	30.59	3	Horizontal	279	1.83	-	27.70	2.28	-
AV	2.4836G	48.66	54.00	-5.34	18.68	3	Horizontal	279	1.83	-	27.70	2.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

26/02/2021



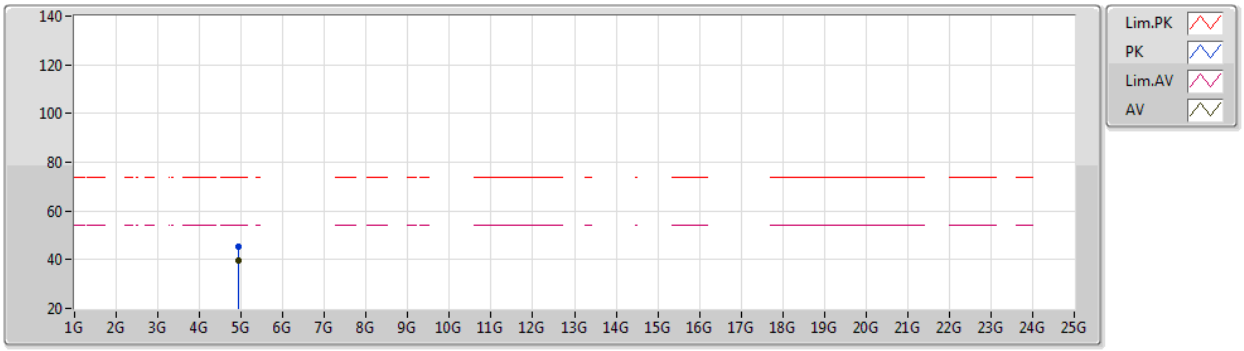
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92389G	45.25	74.00	-28.75	42.05	3	Vertical	34	2.83	-	32.64	5.06	34.50
AV	4.92388G	32.55	54.00	-21.45	29.35	3	Vertical	34	2.83	-	32.64	5.06	34.50

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

26/02/2021



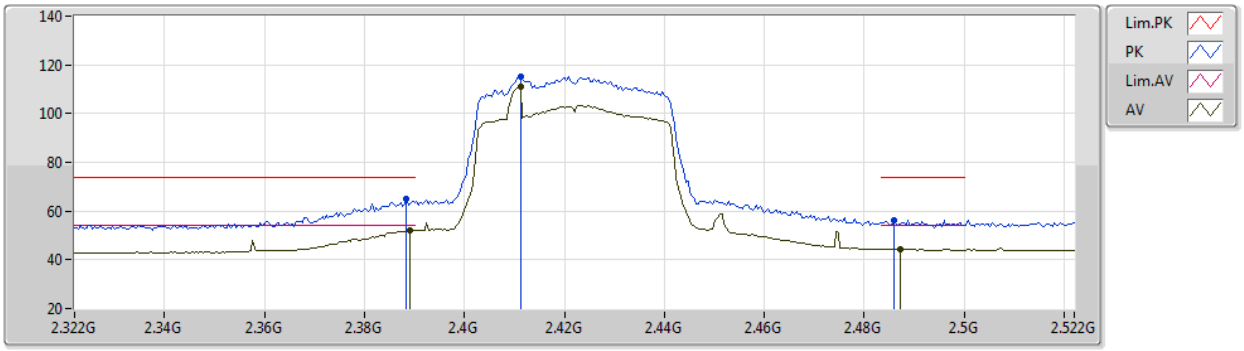
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92358G	45.31	74.00	-28.69	42.11	3	Horizontal	158	1.80	-	32.64	5.06	34.50
AV	4.92399G	39.48	54.00	-14.52	36.28	3	Horizontal	158	1.80	-	32.64	5.06	34.50

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

26/02/2021



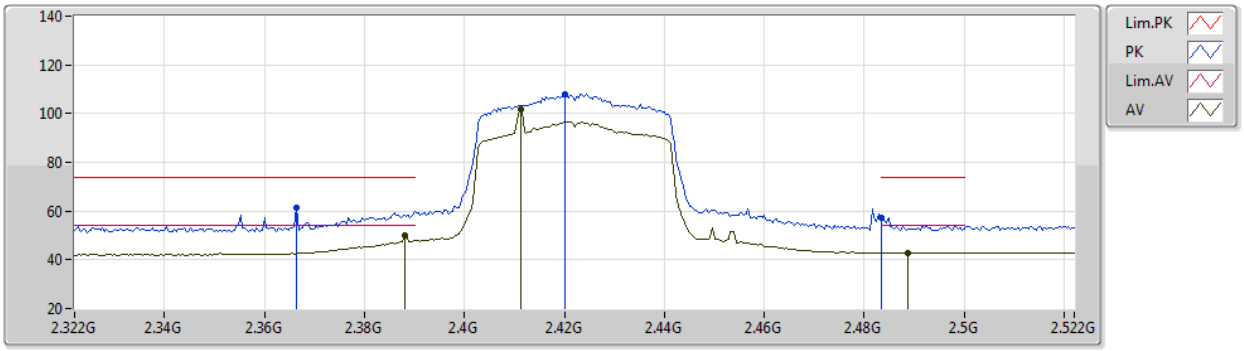
EUT Y_2TX
Setting 22
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	64.80	74.00	-9.20	35.23	3	Vertical	127	1.99	-	27.38	2.19	-
AV	2.3892G	51.93	54.00	-2.07	22.36	3	Vertical	127	1.99	-	27.38	2.19	-
PK	2.4112G	115.15	Inf	-Inf	85.52	3	Vertical	127	1.99	-	27.42	2.21	-
AV	2.4112G	111.27	Inf	-Inf	81.64	3	Vertical	127	1.99	-	27.42	2.21	-
PK	2.486G	56.18	74.00	-17.82	26.17	3	Vertical	127	1.99	-	27.72	2.29	-
AV	2.4872G	44.50	54.00	-9.50	14.49	3	Vertical	127	1.99	-	27.72	2.29	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

26/02/2021



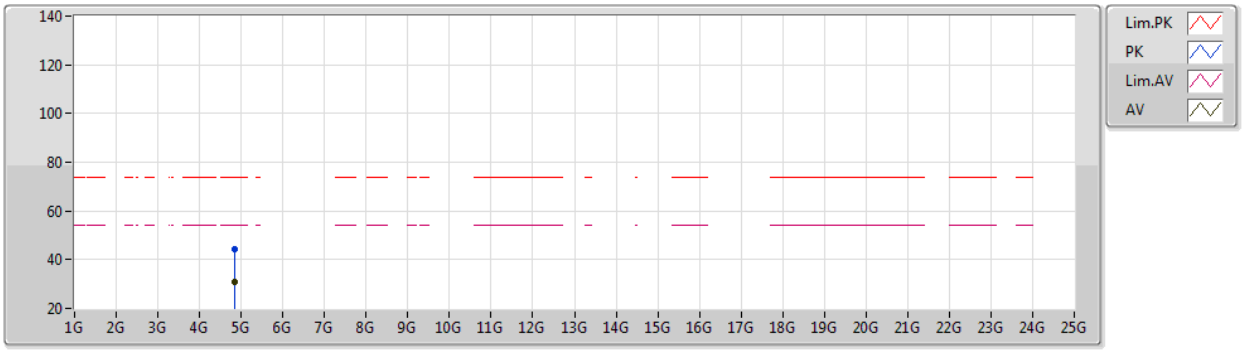
EUT Y_2TX
Setting 22
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3664G	61.51	74.00	-12.49	32.01	3	Horizontal	283	1.80	-	27.33	2.17	-
AV	2.388G	50.02	54.00	-3.98	20.45	3	Horizontal	283	1.80	-	27.38	2.19	-
PK	2.42G	107.83	Inf	-Inf	78.17	3	Horizontal	283	1.80	-	27.44	2.22	-
AV	2.4112G	101.64	Inf	-Inf	72.01	3	Horizontal	283	1.80	-	27.42	2.21	-
PK	2.4835G	57.23	74.00	-16.77	27.25	3	Horizontal	283	1.80	-	27.70	2.28	-
AV	2.4888G	42.89	54.00	-11.11	12.87	3	Horizontal	283	1.80	-	27.73	2.29	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

26/02/2021



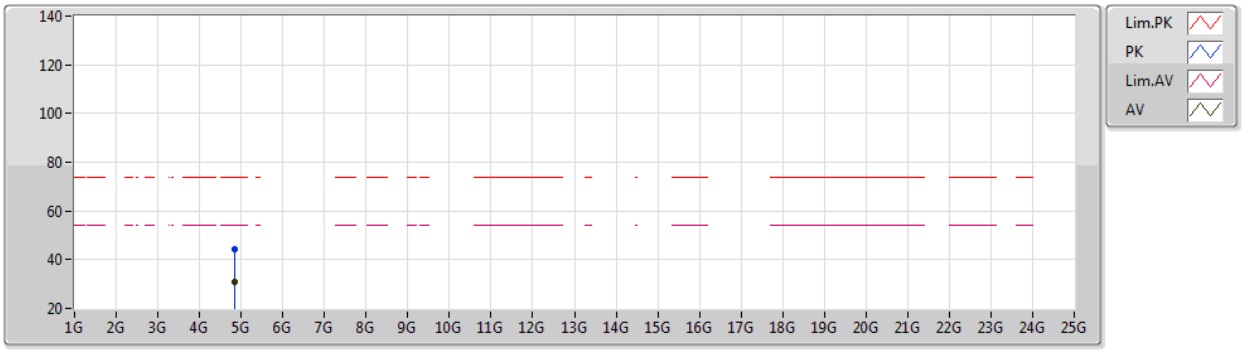
EUT Y_2TX
Setting 22
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8443G	44.24	74.00	-29.76	41.39	3	Vertical	195	1.75	-	32.37	5.02	34.54
AV	4.84368G	31.08	54.00	-22.92	28.24	3	Vertical	195	1.75	-	32.36	5.02	34.54

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

26/02/2021



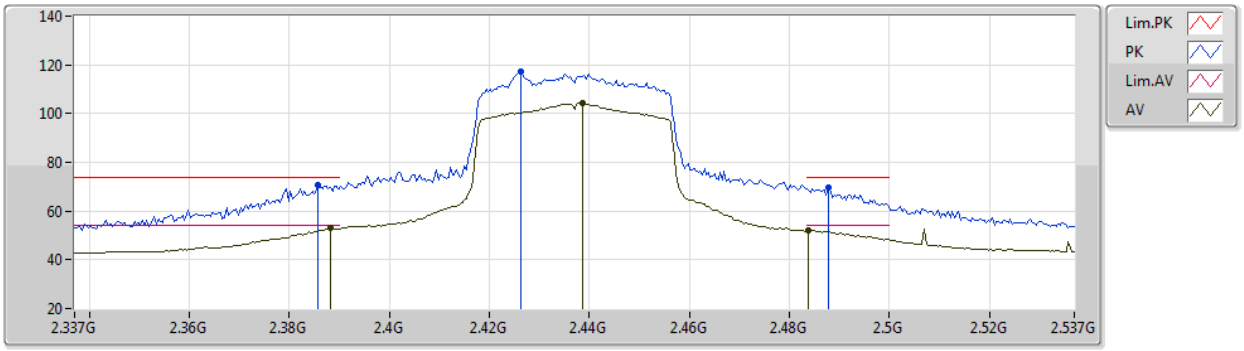
EUT Y_2TX
Setting 22
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84367G	44.40	74.00	-29.60	41.56	3	Horizontal	193	2.45	-	32.36	5.02	34.54
AV	4.84484G	31.10	54.00	-22.90	28.25	3	Horizontal	193	2.45	-	32.37	5.02	34.54

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



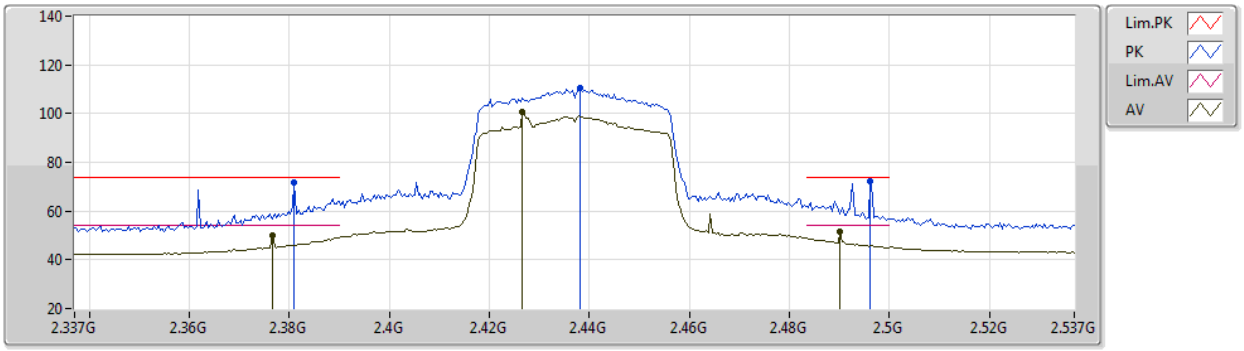
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3858G	70.47	74.00	-3.53	40.91	3	Vertical	138	1.36	-	27.37	2.19	-
AV	2.3882G	52.89	54.00	-1.11	23.32	3	Vertical	138	1.36	-	27.38	2.19	-
PK	2.4262G	117.36	Inf	-Inf	87.68	3	Vertical	138	1.36	-	27.45	2.23	-
AV	2.4386G	104.33	Inf	-Inf	74.61	3	Vertical	138	1.36	-	27.48	2.24	-
PK	2.4878G	69.83	74.00	-4.17	39.81	3	Vertical	138	1.36	-	27.73	2.29	-
AV	2.4838G	51.88	54.00	-2.12	21.90	3	Vertical	138	1.36	-	27.70	2.28	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



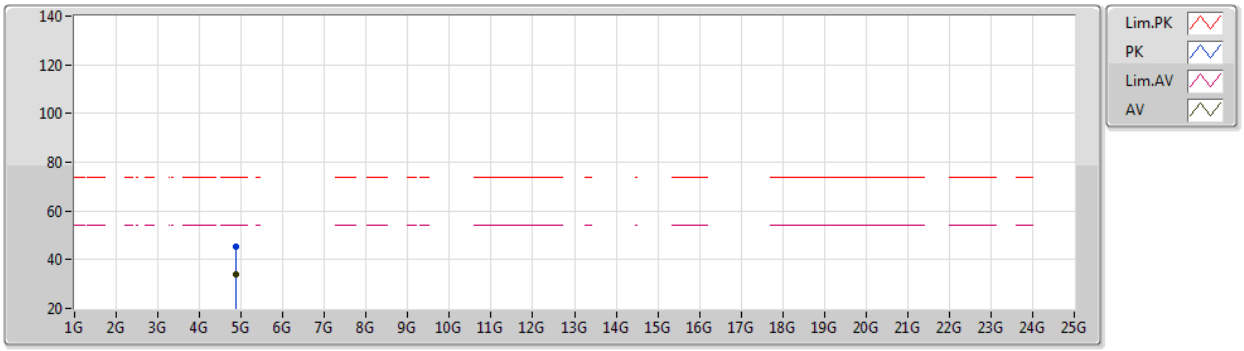
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.381G	71.77	74.00	-2.23	42.23	3	Horizontal	279	2.00	-	27.36	2.18	-
AV	2.3766G	49.79	54.00	-4.21	20.26	3	Horizontal	279	2.00	-	27.35	2.18	-
PK	2.4382G	110.42	Inf	-Inf	80.70	3	Horizontal	279	2.00	-	27.48	2.24	-
AV	2.4266G	100.49	Inf	-Inf	70.81	3	Horizontal	279	2.00	-	27.45	2.23	-
PK	2.4962G	72.36	74.00	-1.64	42.28	3	Horizontal	279	2.00	-	27.78	2.30	-
AV	2.4902G	51.52	54.00	-2.48	21.49	3	Horizontal	279	2.00	-	27.74	2.29	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



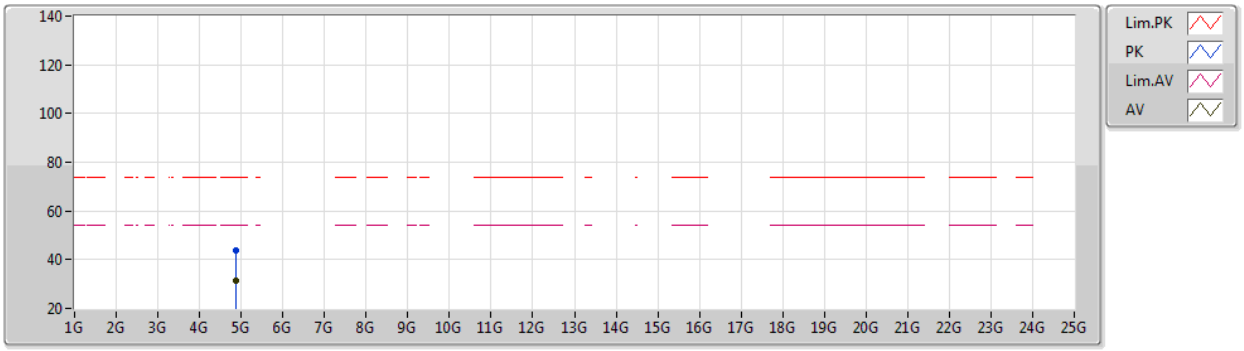
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86986G	45.59	74.00	-28.41	42.65	3	Vertical	141	2.35	-	32.44	5.03	34.53
AV	4.8695G	33.96	54.00	-20.04	31.02	3	Vertical	141	2.35	-	32.44	5.03	34.53

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

26/02/2021



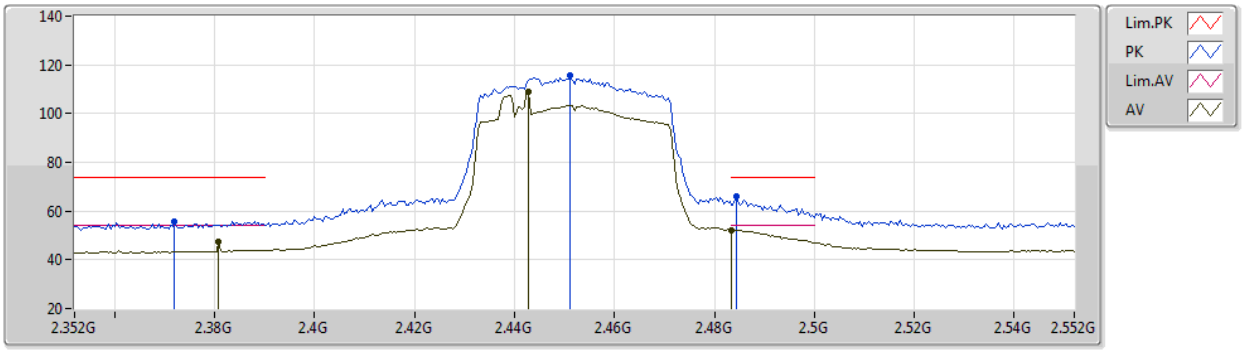
EUT Y_2TX
Setting 24
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87252G	43.80	74.00	-30.20	40.84	3	Horizontal	350	1.22	-	32.45	5.04	34.53
AV	4.86996G	31.14	54.00	-22.86	28.20	3	Horizontal	350	1.22	-	32.44	5.03	34.53

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

26/02/2021



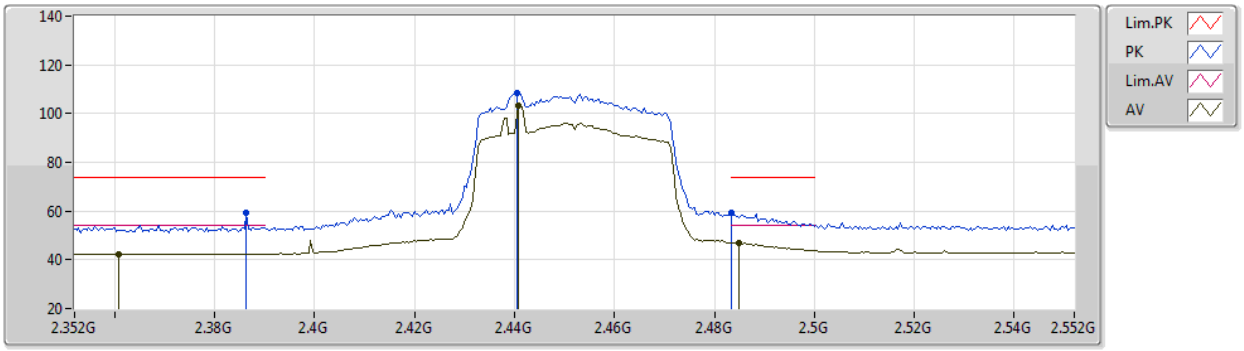
EUT Y_2TX
Setting 22
01-F-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.372G	55.78	74.00	-18.22	26.27	3	Vertical	122	1.76	-	27.34	2.17	-
AV	2.3808G	47.42	54.00	-6.58	17.88	3	Vertical	122	1.76	-	27.36	2.18	-
PK	2.4512G	115.73	Inf	-Inf	85.97	3	Vertical	122	1.76	-	27.51	2.25	-
AV	2.4428G	108.98	Inf	-Inf	79.25	3	Vertical	122	1.76	-	27.49	2.24	-
PK	2.4844G	65.78	74.00	-8.22	35.79	3	Vertical	122	1.76	-	27.71	2.28	-
AV	2.4835G	52.21	54.00	-1.79	22.23	3	Vertical	122	1.76	-	27.70	2.28	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

26/02/2021



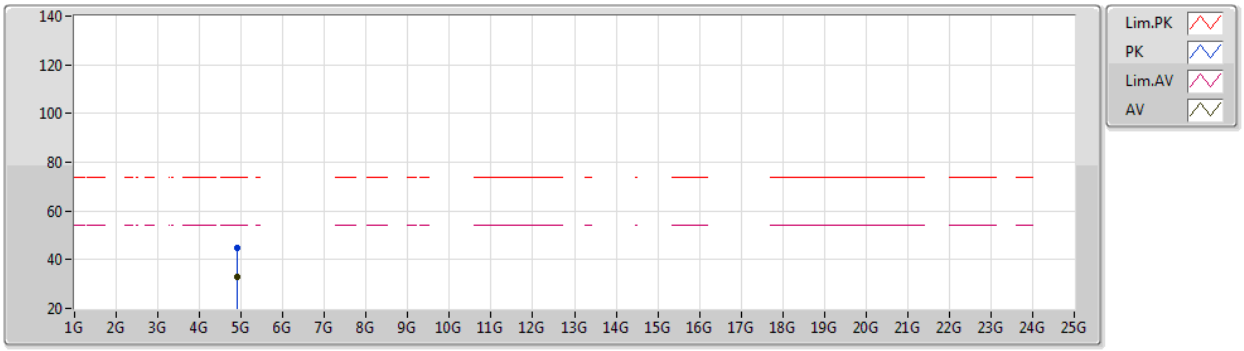
EUT Y_2TX
Setting 22
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3864G	59.33	74.00	-14.67	29.77	3	Horizontal	282	1.91	-	27.37	2.19	-
AV	2.3608G	42.49	54.00	-11.51	13.01	3	Horizontal	282	1.91	-	27.32	2.16	-
PK	2.4404G	108.24	Inf	-Inf	78.52	3	Horizontal	282	1.91	-	27.48	2.24	-
AV	2.4408G	103.35	Inf	-Inf	73.63	3	Horizontal	282	1.91	-	27.48	2.24	-
PK	2.4835G	59.47	74.00	-14.53	29.49	3	Horizontal	282	1.91	-	27.70	2.28	-
AV	2.4848G	47.10	54.00	-6.90	17.11	3	Horizontal	282	1.91	-	27.71	2.28	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

26/02/2021



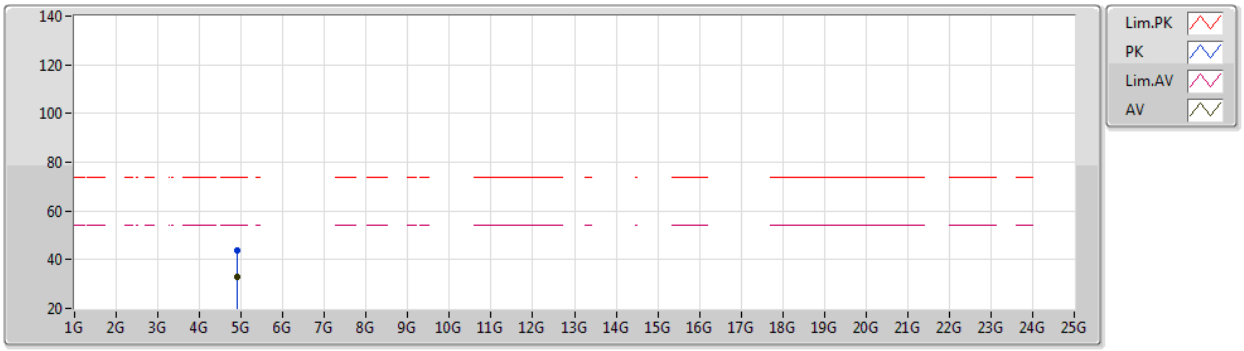
EUT Y_2TX
Setting 22
01-F-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90388G	44.60	74.00	-29.40	41.54	3	Vertical	259	2.67	-	32.52	5.05	34.51
AV	4.90376G	32.91	54.00	-21.09	29.85	3	Vertical	259	2.67	-	32.52	5.05	34.51

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

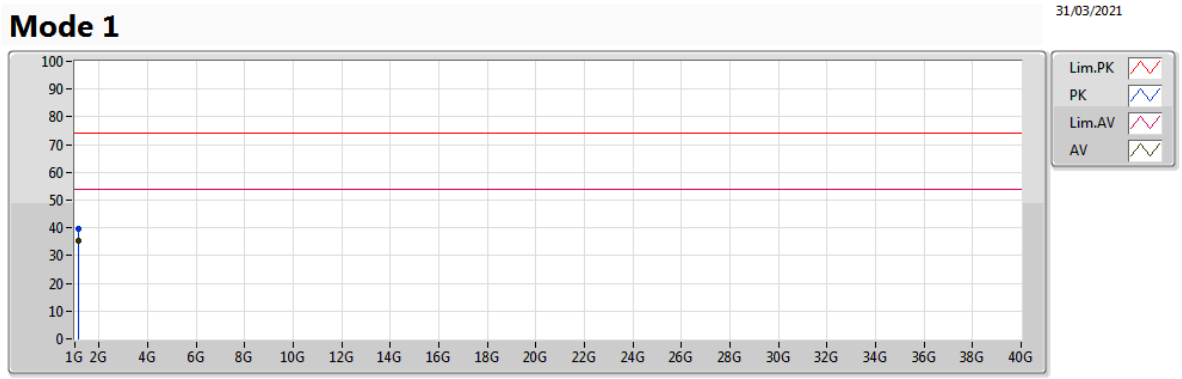
26/02/2021



EUT Y_2TX
Setting 22
01-F-G-2

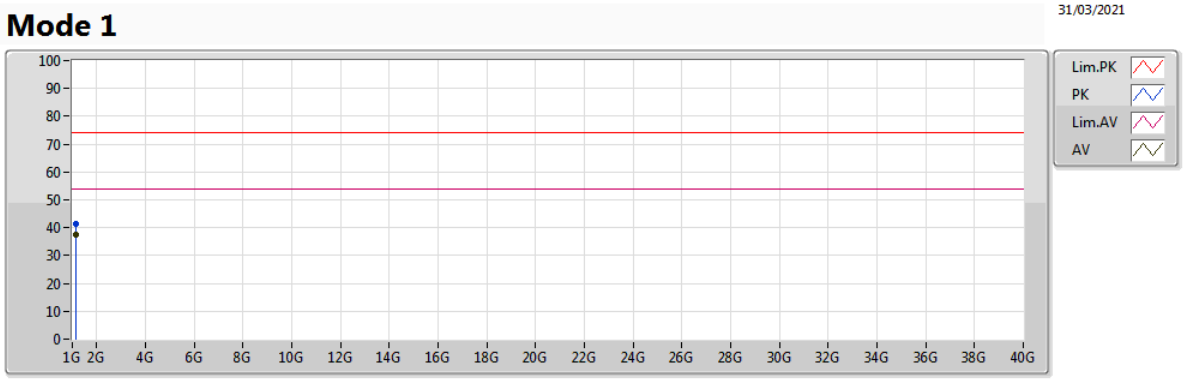
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9044G	43.79	74.00	-30.21	40.72	3	Horizontal	252	1.34	-	32.53	5.05	34.51
AV	4.90384G	32.72	54.00	-21.28	29.66	3	Horizontal	252	1.34	-	32.52	5.05	34.51

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



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.12501G	39.72	74.00	-34.28	-9.01	3	Vertical	36	1.00	-	48.73	24.85	2.69	36.55
AV	1.12492G	35.17	54.00	-18.83	-9.01	3	Vertical	36	1.00	"Worst"	44.18	24.85	2.69	36.55

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



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.12502G	41.54	74.00	-32.46	-9.01	3	Horizontal	40	1.00	-	50.55	24.85	2.69	36.55
AV	1.12491G	37.59	54.00	-16.41	-9.01	3	Horizontal	40	1.00	"Worst"	46.60	24.85	2.69	36.55