RADIO TEST REPORT

FCC ID	:	2AYRA-03734
Equipment	:	AX5400 Dual-band Mesh Router
Brand Name	:	LINKSYS
Model Name	:	MR5500, MR55MS, MR55EC, MR55WH
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 Apr. 14, 2021, and testing was started from Apr. 14, 2021 and completed on May 24, 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: Sam Chen

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
FR140727AA	01	Initial issue of report	Jul. 01, 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: Wendy Pan

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 Holder	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	Bluetooth					
1	-	1	-	Signal Plus Technology Co., Ltd.	6239F00007	Dipole	I-PEX	Note
2	-	2	-	Signal Plus Technology Co., Ltd.	6239F00006	Dipole	I-PEX	
3	1	3	-	Signal Plus Technology Co., Ltd.	6239F00007	Dipole	I-PEX	
4	2	4	-	Signal Plus Technology Co., Ltd.	6239F00006	Dipole	I-PEX	
5	-	-	1	Signal Plus Technology Co., Ltd.	6239F00005	PIFA	N/A	

Note:

Ant.	Port			Antenna Gain (dBi)			
	2.4GHz	5GHz	Bluetooth	2.4 GHz	5GHz Band 1	5GHz Band 4	Bluetooth
1	-	1	-	-	2.21	3.09	-
2	-	2	-	-	1.80	2.76	-
3	1	3	-	2.52	1.5	3.45	-
4	2	4	-	2.25	1.04	2.37	-
5	-	-	1	-	-	-	4

Directional Gain (dBi)			
4T1S		4T4S	
5GHz Band 1	5GHz Band 4	5GHz Band 1	5GHz Band 4
6.02	7.72	0.62	1.8

Note: The above information was declared by manufacturer.

WLAN 2.4GHz: Maximum Directional Gain following KDB662911 D01

WLAN 5GHz: Maximum Directional Gain following KDB662911 D0

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	0.933	0.3	12.628m	100
802.11g	0.949	0.23	1.98m	1k
802.11ax HEW20-BF	0.925	0.34	1.855m	1k
802.11ax HEW40-BF	0.927	0.33	1.855m	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 V6.1.7061			

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	MR5500	All the models are identical, the difference model served as marketing strategy.
	MR55MS	
	MR55EC	
	MR55WH	

Note 1: From the above models, model: MR5500 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 15.247
- 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	Owen Hsu	23.9-25.4 / 57-61	Apr. 27, 2021 ~ May 24, 2021
Radiated<1GHz and Radiated Co-location	03CH05-CB	Eason Chen	21.2-22.3 / 55-57	Apr. 14, 2021 ~ May 24, 2021
Radiated>1GHz	03CH02-CB	Eason Chen	21.6-22.8 / 55-58	Apr. 14, 2021 ~ May 24, 2021
	03CH03-CB		21-22.2 / 55-57	
	03CH04-CB		20.3-21.5 / 56-58	
	03CH06-CB		20.5-21.6 / 55-58	
AC Conduction	CO02-CB	Zack Kuo	21~22 / 57~59	Apr. 23, 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 Date: Before May 08, 2021

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%

Test Date: After May 07, 2021

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	26.5
2437MHz	27.5
2462MHz	27.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	25
2437MHz	27
2462MHz	25.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	27
2417MHz	28
2437MHz	30
2462MHz	28
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	24
2427MHz	24
2437MHz	28
2452MHz	26

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 Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
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
	The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case were found at Y axis for WLAN 2.4GH, Z axis for WLAN 5GHz and Bluetooth. So the measurement will follow this same test configuration.
1	EUT in Y axis + WLAN 2.4GHz + Adapter 1
2	EUT in Y axis + WLAN 2.4GHz + Adapter 2
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 in Z axis + WLAN 5GHz + Adapter 1
4	EUT in Z axis + Bluetooth + Adapter 1
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at Y axis and Z axis position and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case were found atZ axis. So the measurement will follow this same test configuration.
1	EUT in Z axis + 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	Bluetooth+WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA140727 for Co-location RF Exposure Evaluation.	

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 RX Device 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	Ktec	KSA-24W-120200HU	INPUT: 100-240V~50/60Hz, 0.6A OUTPUT: 12V, 2.0A
Adapter 2	MOSO	MSA-C2000IC12.0-24P-US	INPUT: 100-240V~50/60Hz, 0.7A max OUTPUT: 12V, 2.0A
Others			
RJ-45 cable*1, non-shielded, 0.9m			

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
F	Flash disk3.0	Transcend	JetFlash-700	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:

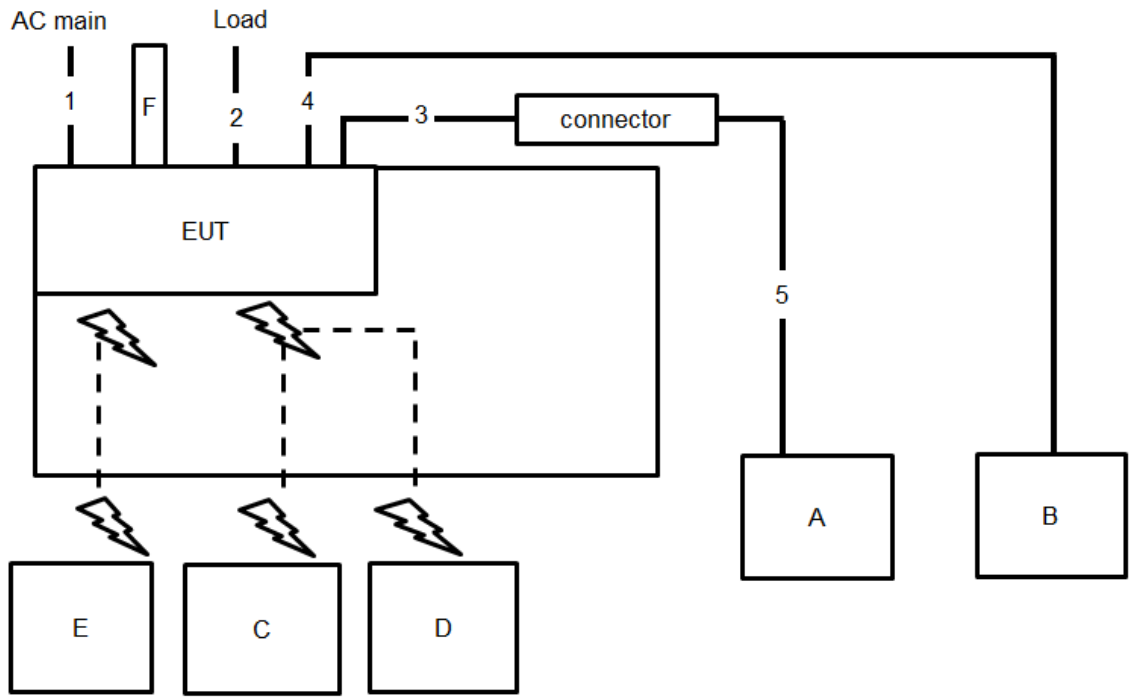
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For beamforming mode:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	RX Device	LINKSYS	MR5500	2AYRA-03734

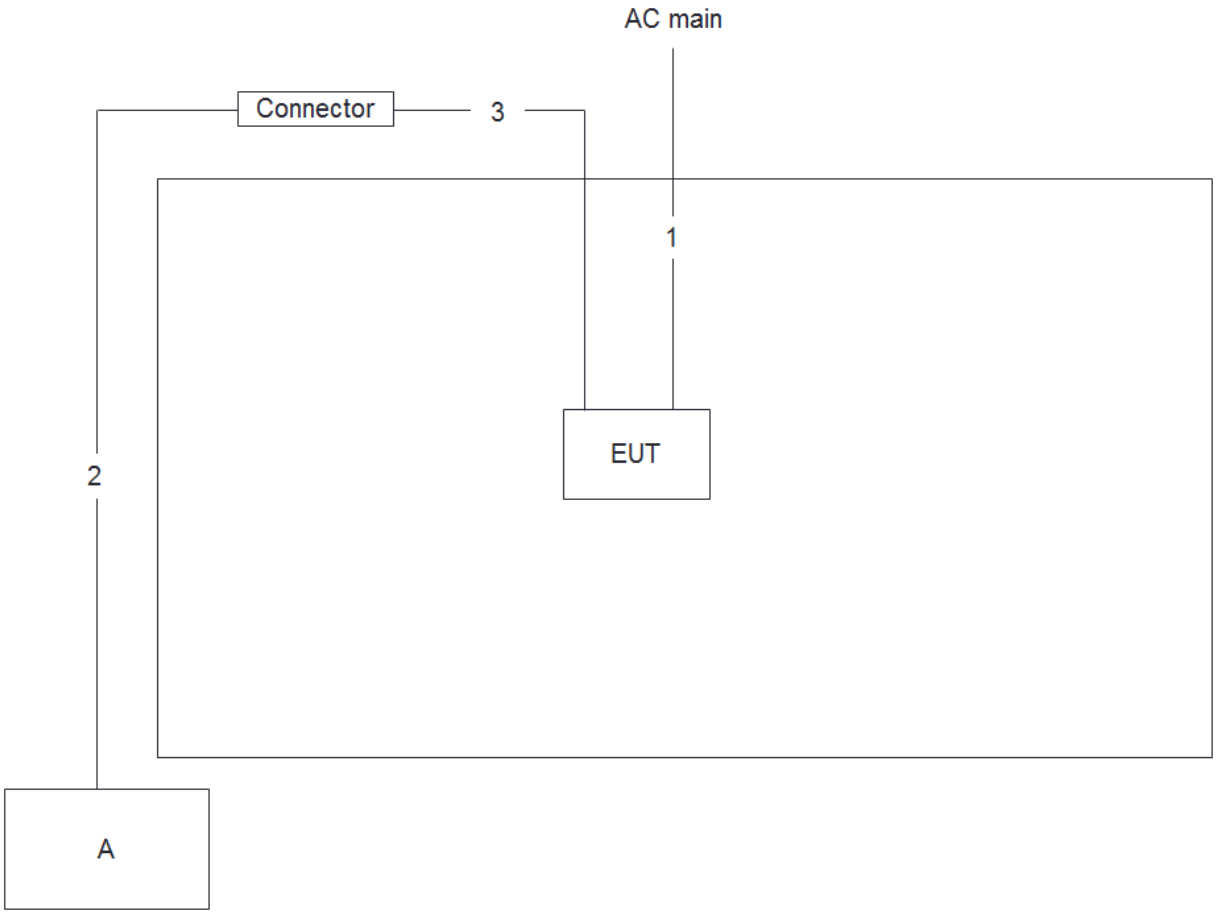
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



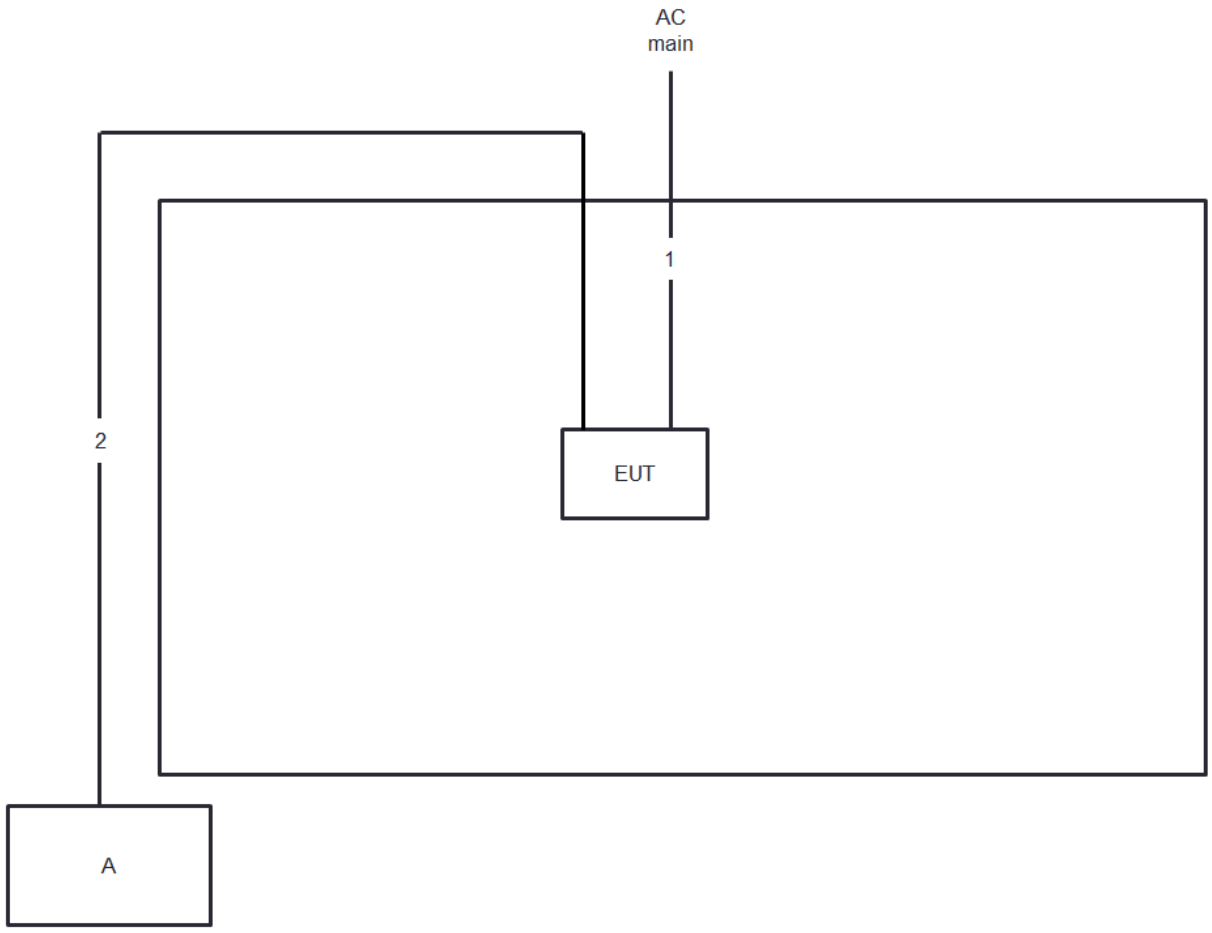
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable*3	No	1.5m
3	RJ-45 cable	No	0.9m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



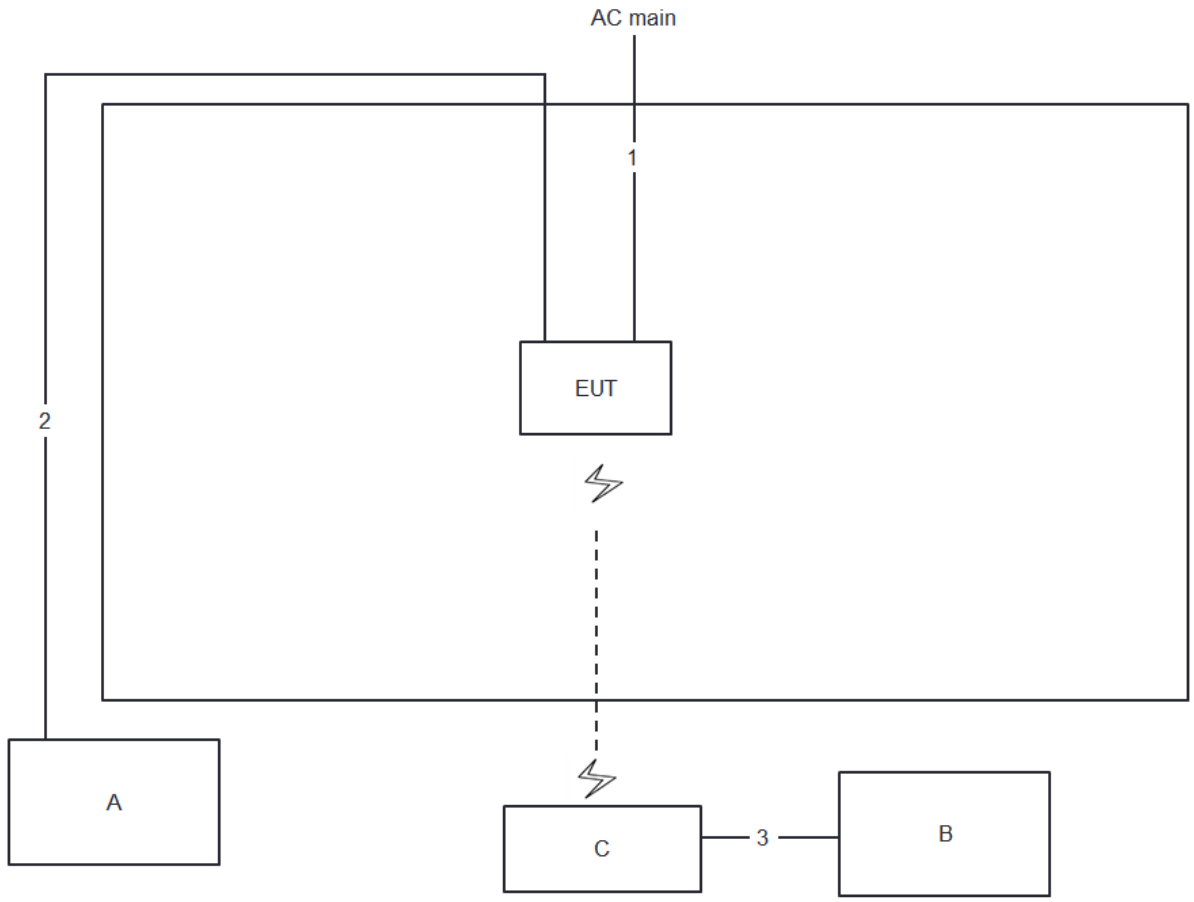
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	0.9m

Test Setup Diagram - Radiated Test > 1GHz / 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 / 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

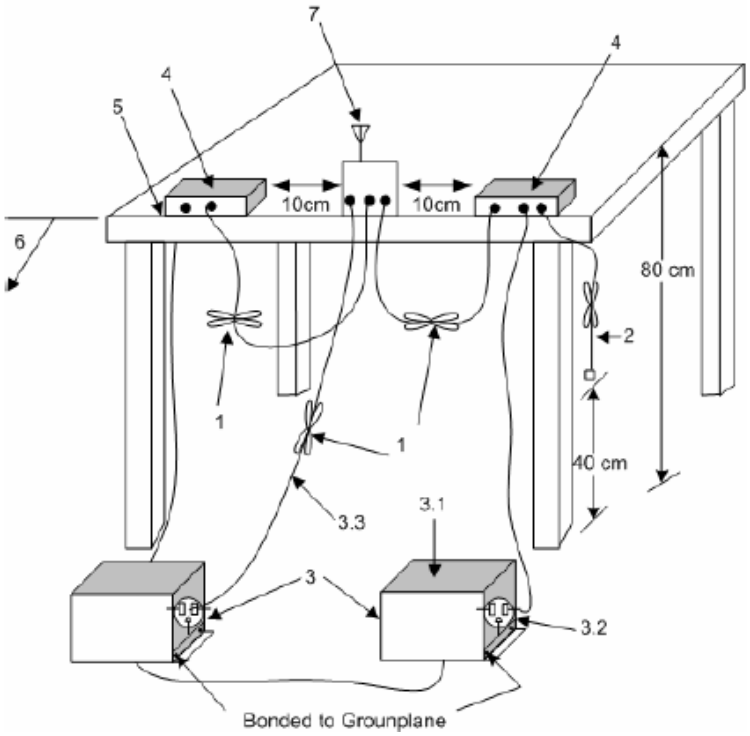
Refer a test equipment and calibration data table in this test report.

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.

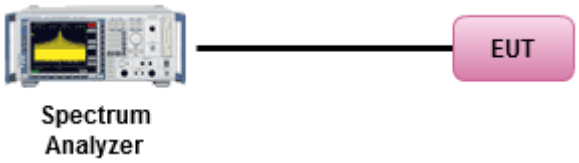
3.2.2 Measuring Instruments

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.		

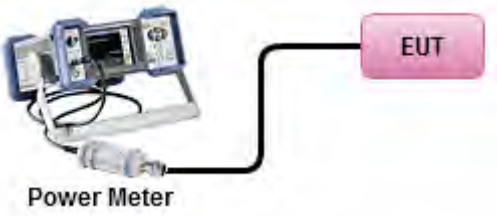
3.3.2 Measuring Instruments

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

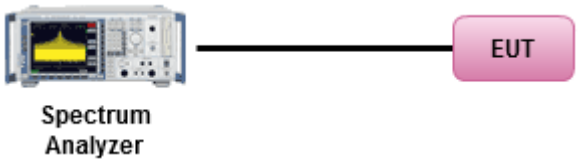
3.4.2 Measuring Instruments

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

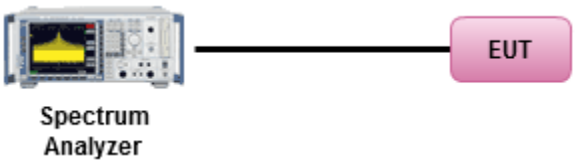
Refer a test equipment and calibration data table in this test report.

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.

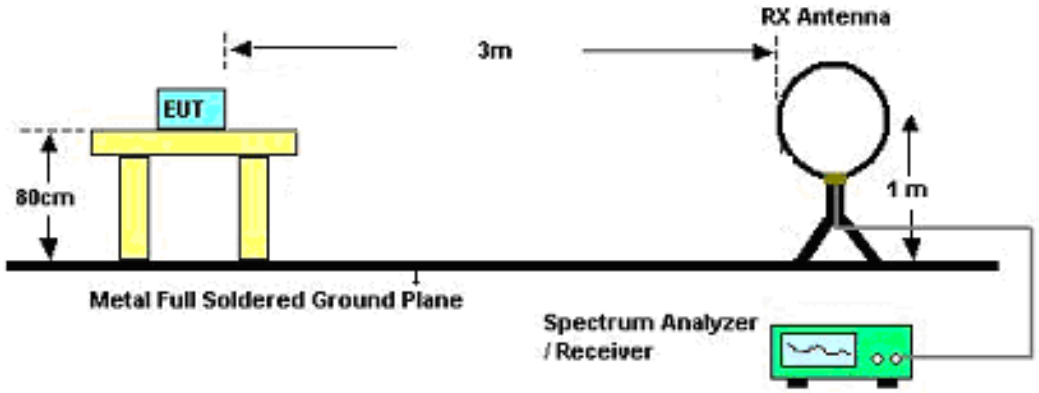
3.6.3 Test Procedures

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.		

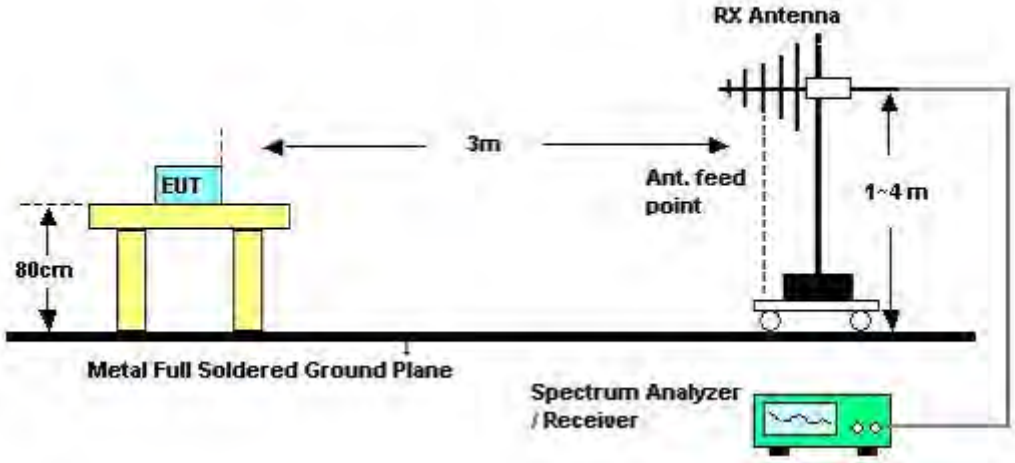
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

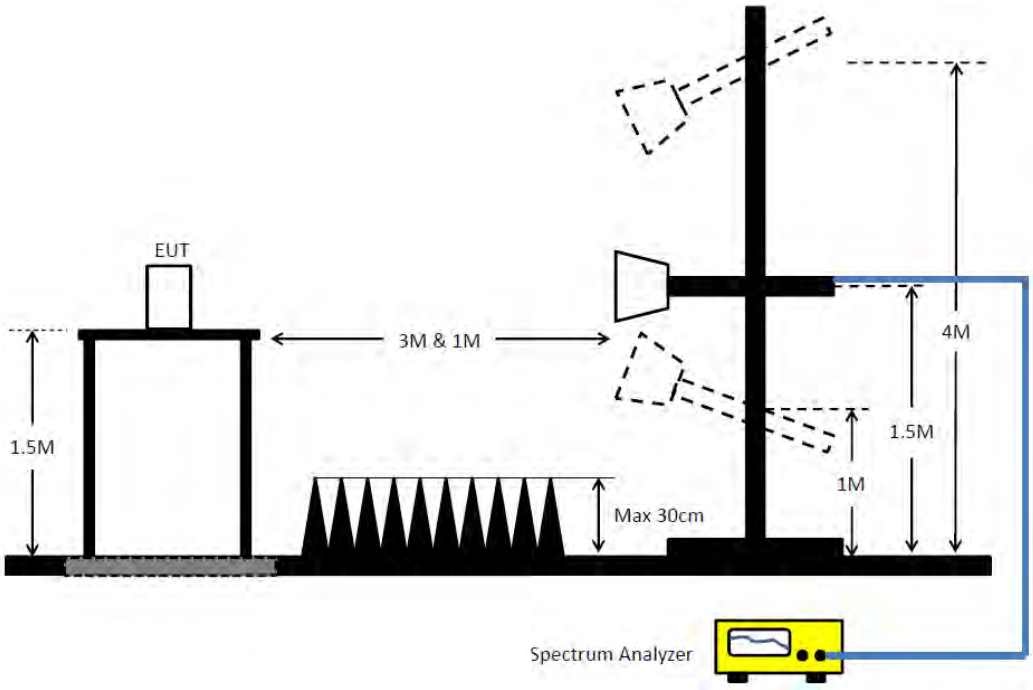
9kHz ~30MHz



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)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 2022	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	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	EMC330N	980331	20MHz ~ 3GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	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)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 26GHz	Jul. 01, 2020	Jun. 30, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 21, 2020	Sep. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 28, 2020	May 27, 2021	Radiation (03CH03-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	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)
Cable	Woken	RG402	low Cable-30	9 kHz –1 GHz	Apr. 06, 2021	Apr. 05, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	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.

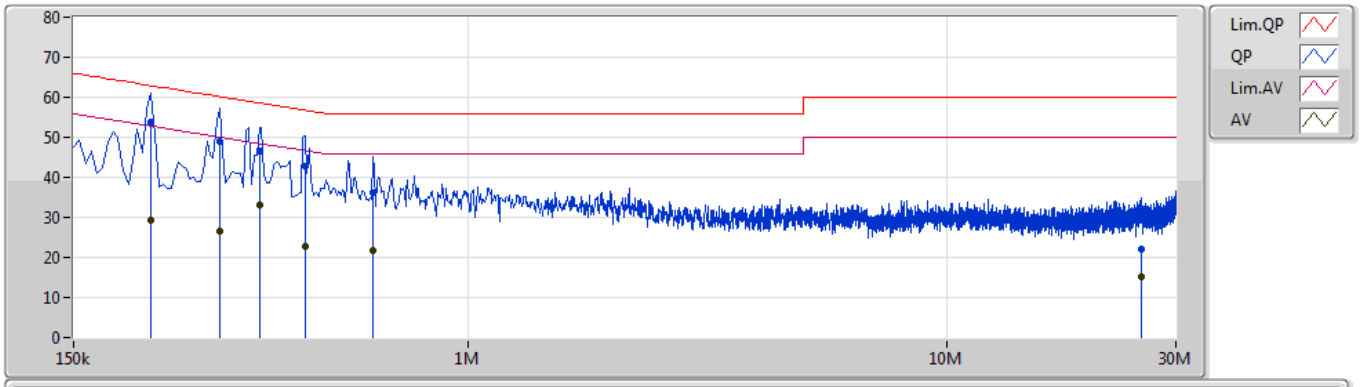
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	150k	58.90	66.00	-7.10	Neutral

Mode 2

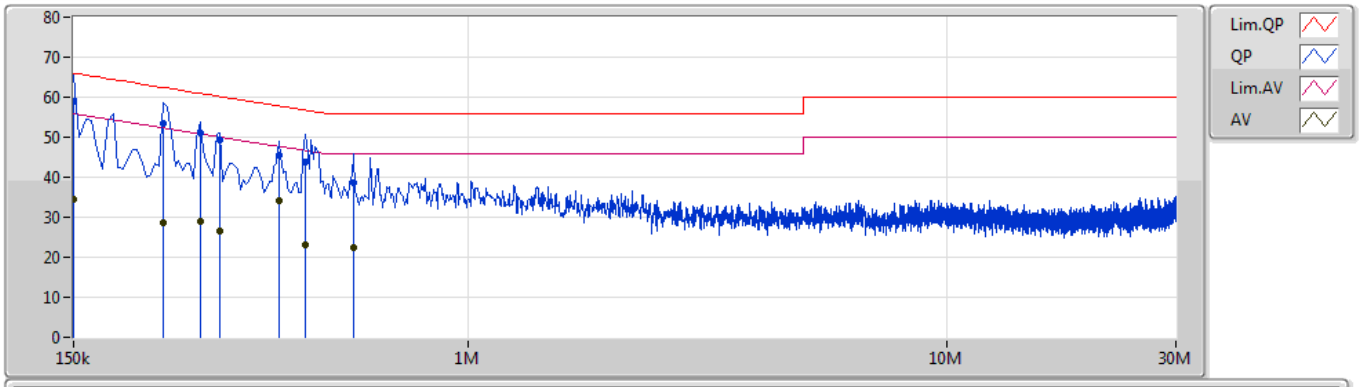
23/04/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	217.5k	53.76	62.92	-9.16	10.29	Line	"Worst"	43.47	0.07	0.07	10.15
AV	217.5k	29.34	52.92	-23.58	10.29	Line	-	19.05	0.07	0.07	10.15
QP	303k	49.06	60.17	-11.11	10.27	Line	-	38.79	0.08	0.06	10.13
AV	303k	26.69	50.17	-23.48	10.27	Line	-	16.42	0.08	0.06	10.13
QP	366k	46.72	58.60	-11.88	10.26	Line	-	36.46	0.08	0.06	10.12
AV	366k	33.27	48.60	-15.33	10.26	Line	-	23.01	0.08	0.06	10.12
QP	456k	42.65	56.76	-14.11	10.25	Line	-	32.40	0.08	0.06	10.11
AV	456k	22.90	46.76	-23.86	10.25	Line	-	12.65	0.08	0.06	10.11
QP	631.5k	36.26	56.00	-19.74	10.26	Line	-	26.00	0.08	0.07	10.11
AV	631.5k	21.65	46.00	-24.35	10.26	Line	-	11.39	0.08	0.07	10.11
QP	25.373M	22.11	60.00	-37.89	11.02	Line	-	11.09	0.54	0.28	10.20
AV	25.373M	15.27	50.00	-34.73	11.02	Line	-	4.25	0.54	0.28	10.20

Mode 2

23/04/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	58.90	66.00	-7.10	10.28	Neutral	"Worst"	48.62	0.06	0.07	10.15
AV	150k	34.60	56.00	-21.40	10.28	Neutral	-	24.32	0.06	0.07	10.15
QP	231k	53.62	62.41	-8.79	10.28	Neutral	-	43.34	0.06	0.07	10.15
AV	231k	28.51	52.41	-23.90	10.28	Neutral	-	18.23	0.06	0.07	10.15
QP	276k	51.10	60.93	-9.83	10.27	Neutral	-	40.83	0.06	0.07	10.14
AV	276k	28.90	50.93	-22.03	10.27	Neutral	-	18.63	0.06	0.07	10.14
QP	303k	49.39	60.17	-10.78	10.25	Neutral	-	39.14	0.06	0.06	10.13
AV	303k	26.65	50.17	-23.52	10.25	Neutral	-	16.40	0.06	0.06	10.13
QP	402k	45.61	57.82	-12.21	10.23	Neutral	-	35.38	0.06	0.06	10.11
AV	402k	34.10	47.82	-13.72	10.23	Neutral	-	23.87	0.06	0.06	10.11
QP	456k	43.96	56.76	-12.80	10.23	Neutral	-	33.73	0.06	0.06	10.11
AV	456k	23.03	46.76	-23.73	10.23	Neutral	-	12.80	0.06	0.06	10.11
QP	577.5k	38.79	56.00	-17.21	10.25	Neutral	-	28.54	0.07	0.07	10.11
AV	577.5k	22.58	46.00	-23.42	10.25	Neutral	-	12.33	0.07	0.07	10.11

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	8.05M	13.043M	13M0G1D	6.075M	12.719M
802.11g_Nss1,(6Mbps)_2TX	15.05M	16.217M	16M2D1D	13.85M	16.117M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	15.1M	18.716M	18M7D1D	12.45M	18.641M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	25.3M	37.231M	37M2D1D	16.7M	37.031M

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

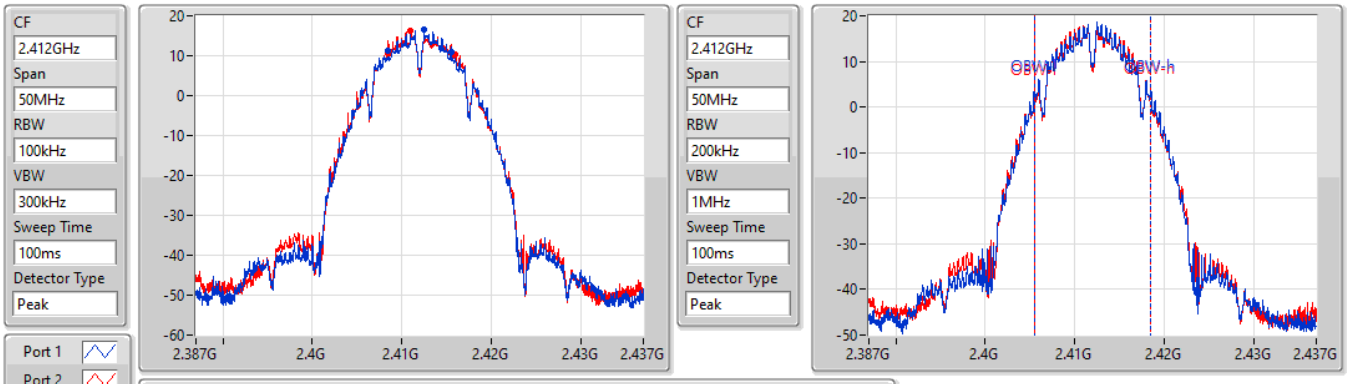
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.1M	12.994M	7.6M	12.894M
2437MHz	Pass	500k	8.05M	12.719M	7.55M	12.994M
2462MHz	Pass	500k	6.075M	13.043M	7.575M	13.018M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.85M	16.142M	15.05M	16.167M
2437MHz	Pass	500k	15M	16.117M	15M	16.217M
2462MHz	Pass	500k	15M	16.167M	15M	16.167M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	12.45M	18.641M	14.975M	18.666M
2437MHz	Pass	500k	13.775M	18.666M	14.975M	18.666M
2462MHz	Pass	500k	15.1M	18.716M	15M	18.641M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	25.3M	37.031M	24.85M	37.131M
2437MHz	Pass	500k	16.7M	37.081M	18.5M	37.131M
2452MHz	Pass	500k	18.65M	37.231M	21.75M	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

30/04/2021

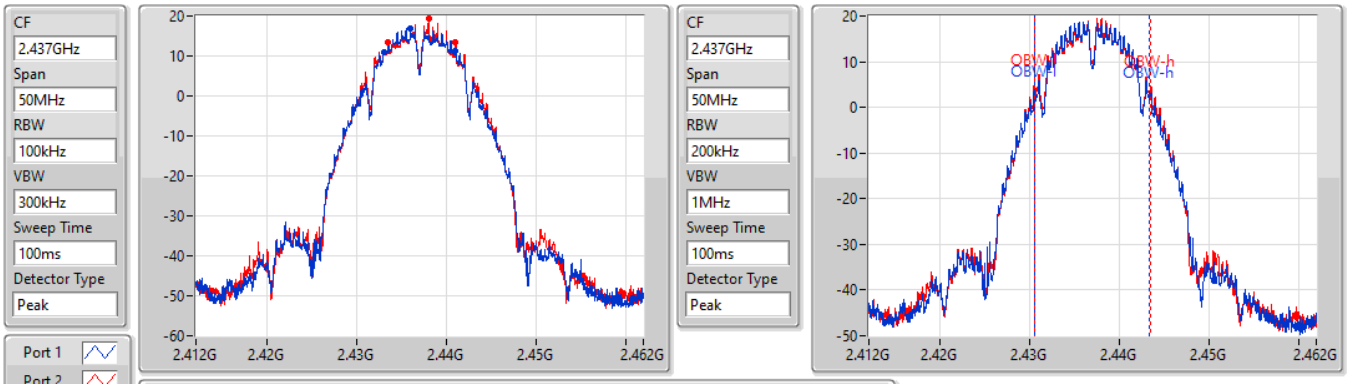


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.1M	2.40845G	2.41555G	12.994M	2.405528G	2.418522G	500k	1
7.6M	2.408425G	2.416025G	12.894M	2.405553G	2.418447G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

30/04/2021

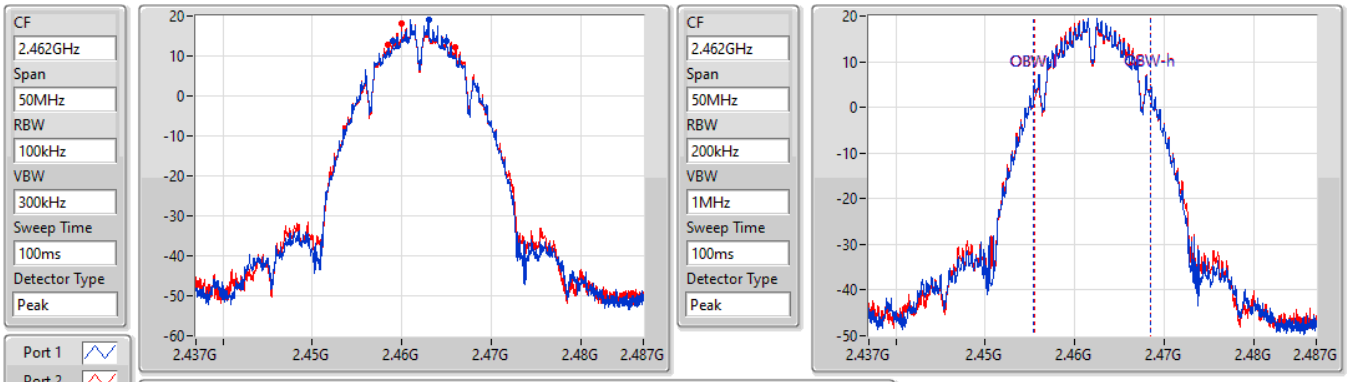


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432975G	2.441025G	12.719M	2.430578G	2.443297G	500k	1
7.55M	2.433475G	2.441025G	12.994M	2.430503G	2.443497G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

30/04/2021

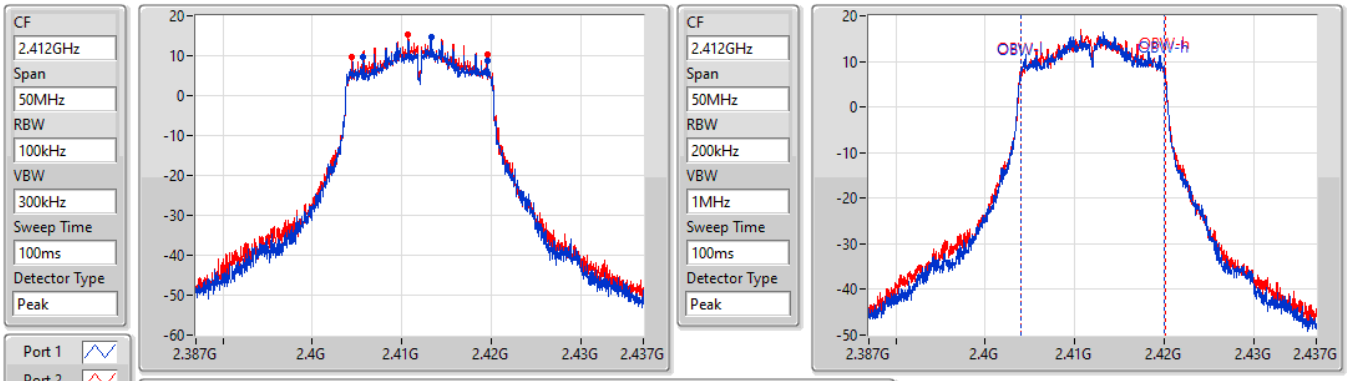


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.075M	2.458975G	2.46505G	13.043M	2.455453G	2.468497G	500k	1
7.575M	2.45845G	2.466025G	13.018M	2.455478G	2.468497G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

27/04/2021

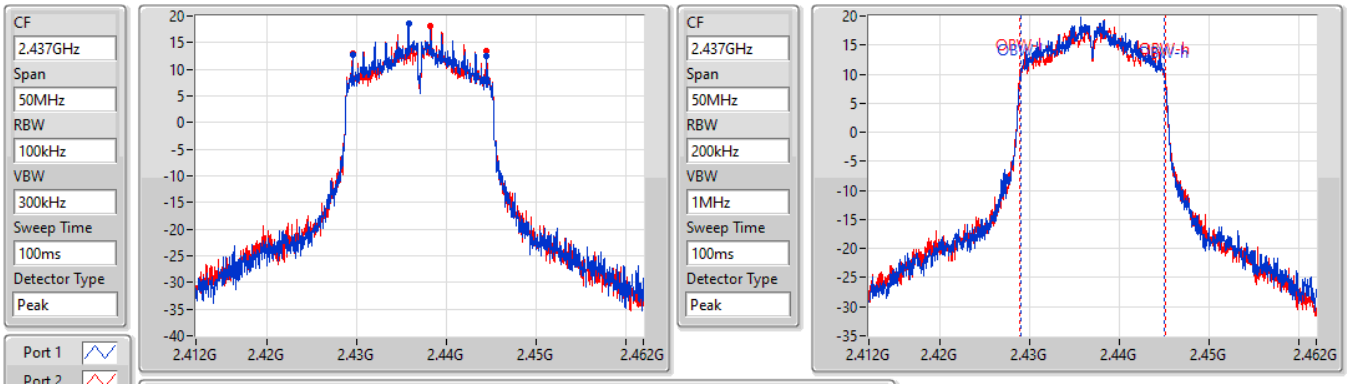


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.85M	2.4057G	2.41955G	16.142M	2.403929G	2.420071G	500k	1
15.05M	2.404475G	2.419525G	16.167M	2.403929G	2.420096G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

30/04/2021

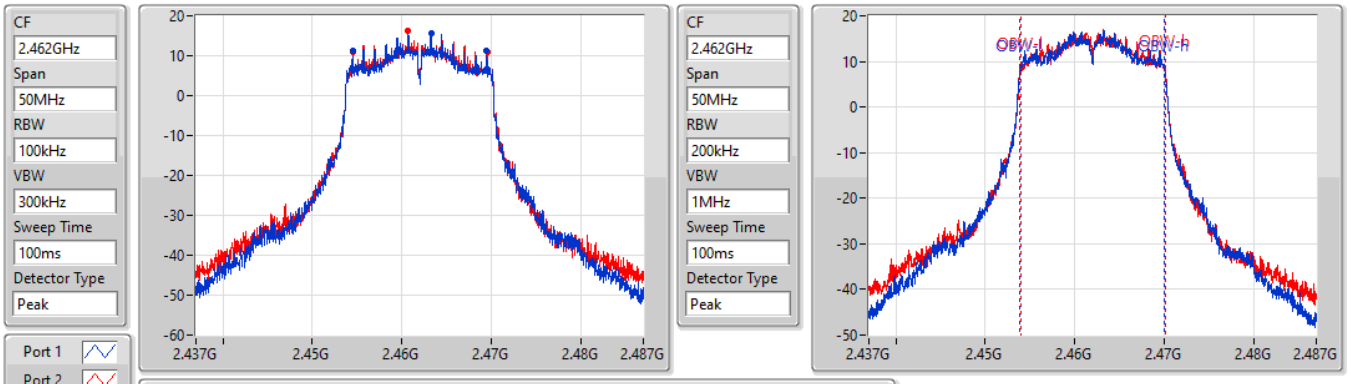


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4295G	2.4445G	16.117M	2.428929G	2.445046G	500k	1
15M	2.4295G	2.4445G	16.217M	2.428879G	2.445096G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

27/04/2021

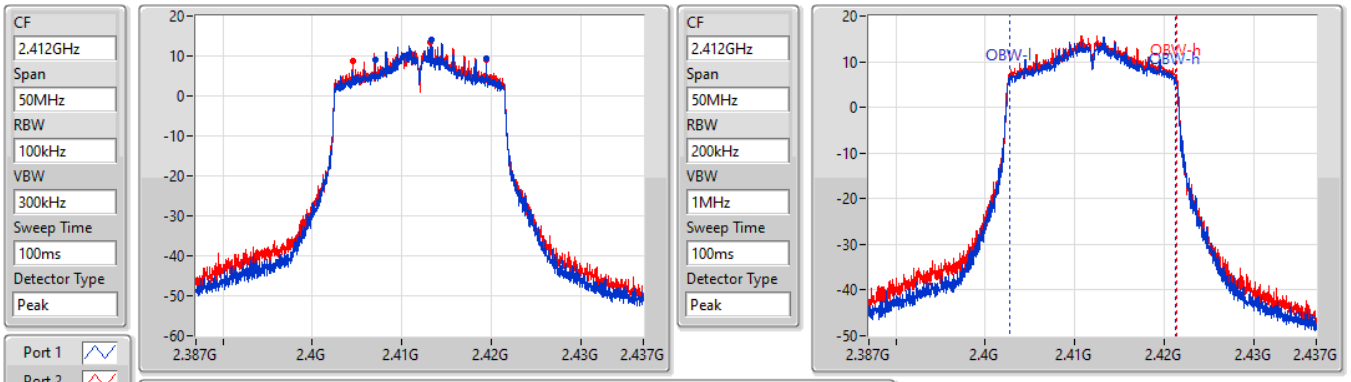


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4545G	2.4695G	16.167M	2.453904G	2.470071G	500k	1
15M	2.454525G	2.469525G	16.167M	2.453929G	2.470096G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

27/04/2021

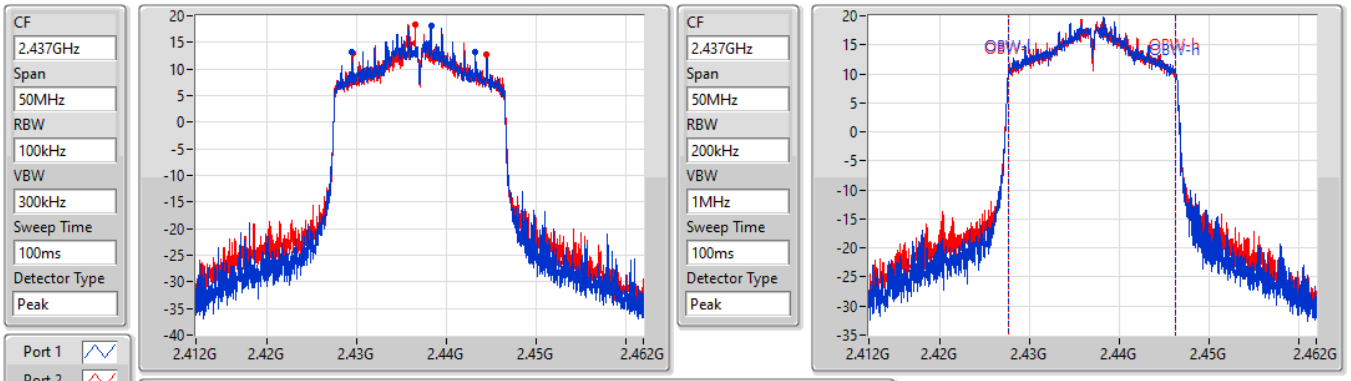


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.45M	2.407025G	2.419475G	18.641M	2.40268G	2.42132G	500k	1
14.975M	2.4045G	2.419475G	18.666M	2.40268G	2.421345G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

30/04/2021

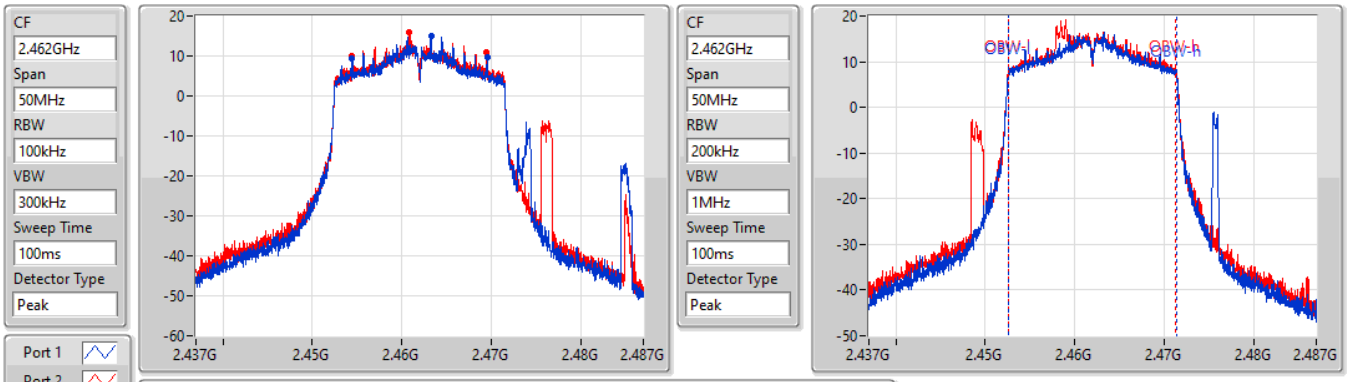


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.775M	2.429475G	2.44325G	18.666M	2.427655G	2.44632G	500k	1
14.975M	2.4295G	2.444475G	18.666M	2.427655G	2.44632G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

27/04/2021

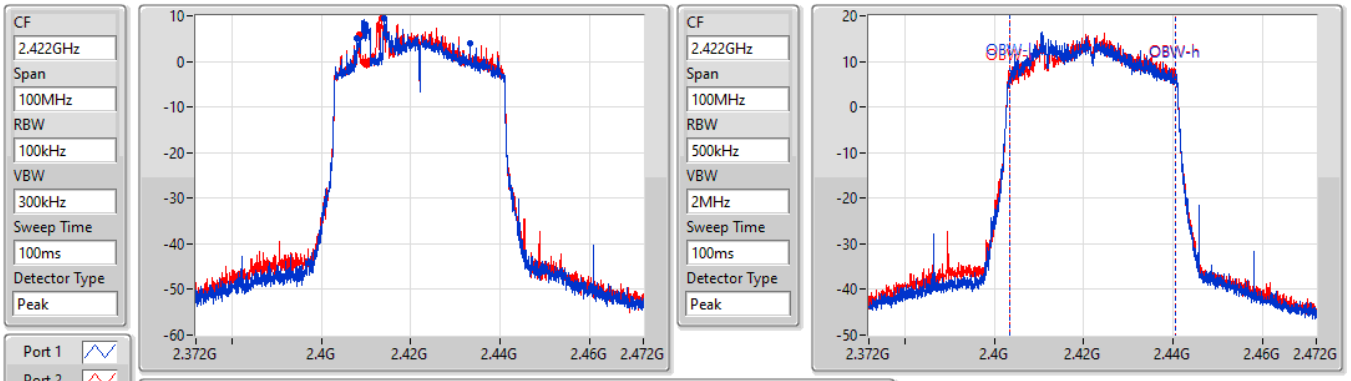


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.45445G	2.46955G	18.716M	2.452655G	2.47137G	500k	1
15M	2.454475G	2.469475G	18.641M	2.45263G	2.47127G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

28/04/2021

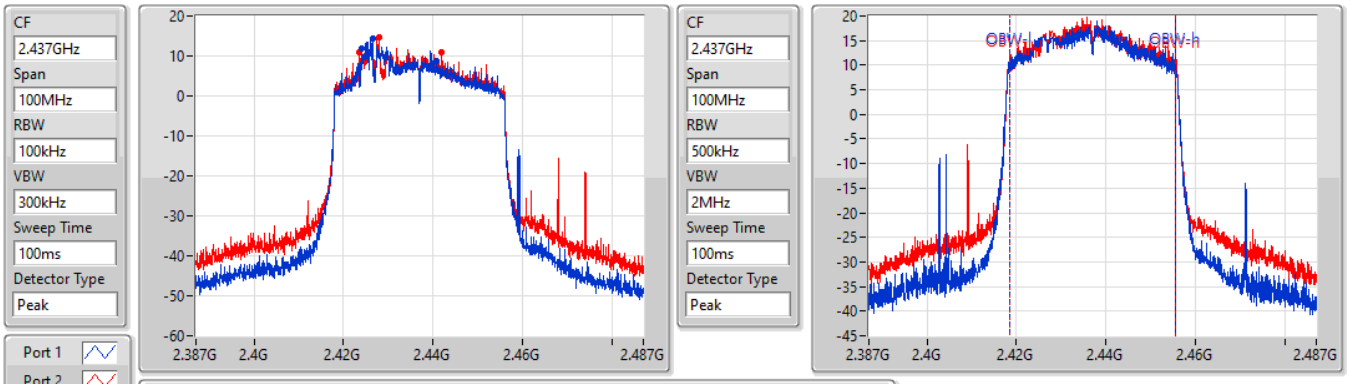


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.3M	2.408G	2.4333G	37.031M	2.403509G	2.440541G	500k	1
24.85M	2.40845G	2.4333G	37.131M	2.403409G	2.440541G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

28/04/2021

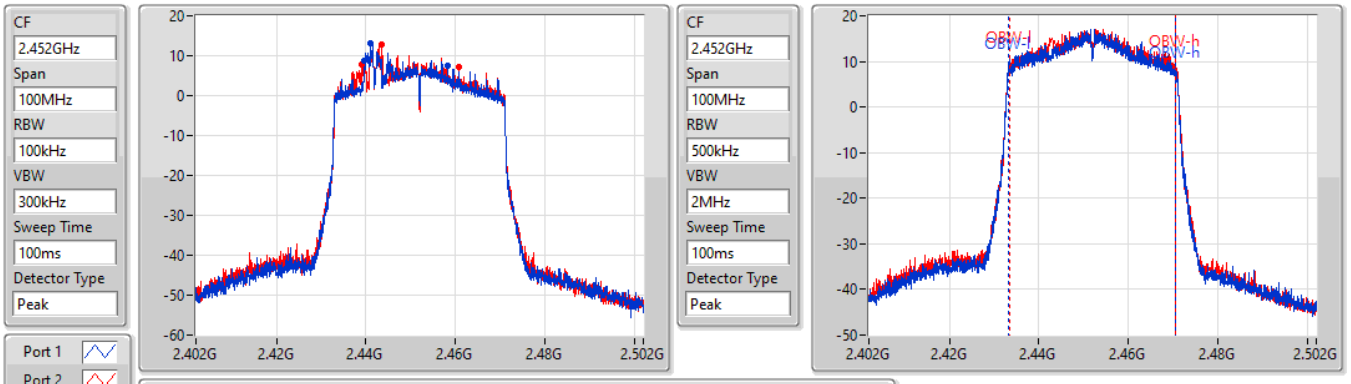


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.7M	2.424G	2.4407G	37.081M	2.418359G	2.455441G	500k	1
18.5M	2.4235G	2.442G	37.131M	2.418409G	2.455541G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

28/04/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.65M	2.4396G	2.45825G	37.231M	2.433309G	2.470541G	500k	1
21.75M	2.439G	2.46075G	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	29.45	0.88105
802.11g_Nss1,(6Mbps)_2TX	29.74	0.94189
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.10	0.81283
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	27.06	0.50816

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.52	25.48	25.53	28.52	30.00
2437MHz	Pass	2.52	26.36	26.52	29.45	30.00
2462MHz	Pass	2.52	26.31	26.48	29.41	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.52	23.89	24.36	27.14	30.00
2437MHz	Pass	2.52	26.85	26.60	29.74	30.00
2462MHz	Pass	2.52	24.72	25.16	27.96	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.40	22.35	22.79	25.59	30.00
2417MHz	Pass	5.40	24.03	23.74	26.90	30.00
2437MHz	Pass	5.40	26.08	26.09	29.10	30.00
2462MHz	Pass	5.40	23.45	23.91	26.70	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.40	20.02	20.17	23.11	30.00
2427MHz	Pass	5.40	19.98	20.02	23.01	30.00
2437MHz	Pass	5.40	23.79	24.30	27.06	30.00
2452MHz	Pass	5.40	21.98	22.30	25.15	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	2.27
802.11g_Nss1,(6Mbps)_2TX	3.13
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	1.71

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

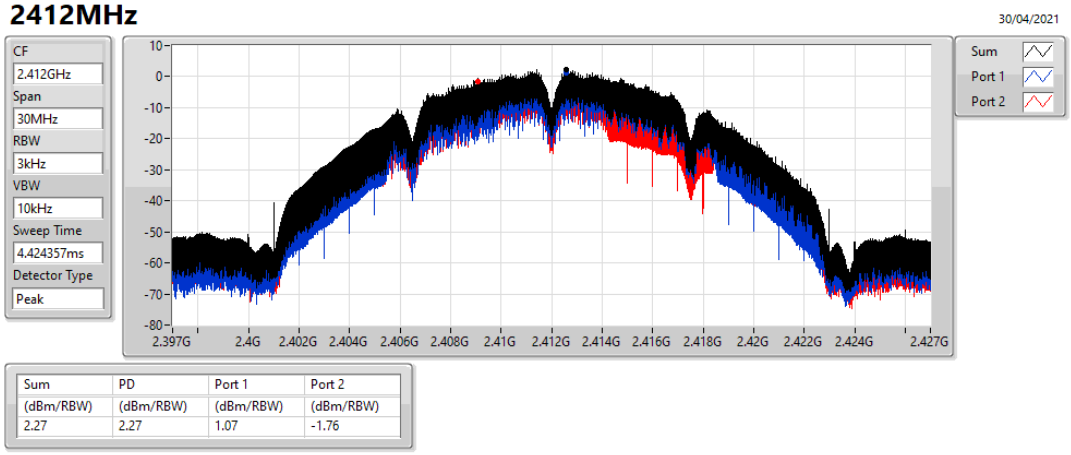
Result

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	5.40	1.07	-1.76	2.27	8.00
2437MHz	Pass	5.40	-1.69	-0.82	1.59	8.00
2462MHz	Pass	5.40	-1.10	-1.10	1.91	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.40	-1.53	-2.32	0.02	8.00
2437MHz	Pass	5.40	0.84	1.52	3.13	8.00
2462MHz	Pass	5.40	-1.07	-1.42	1.03	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.40	-1.14	-1.44	0.45	8.00
2437MHz	Pass	5.40	2.26	3.04	4.75	8.00
2462MHz	Pass	5.40	-0.87	-0.15	1.30	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.40	-5.97	-5.79	-2.87	8.00
2437MHz	Pass	5.40	-0.12	1.56	1.71	8.00
2452MHz	Pass	5.40	-4.10	-3.72	-2.17	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

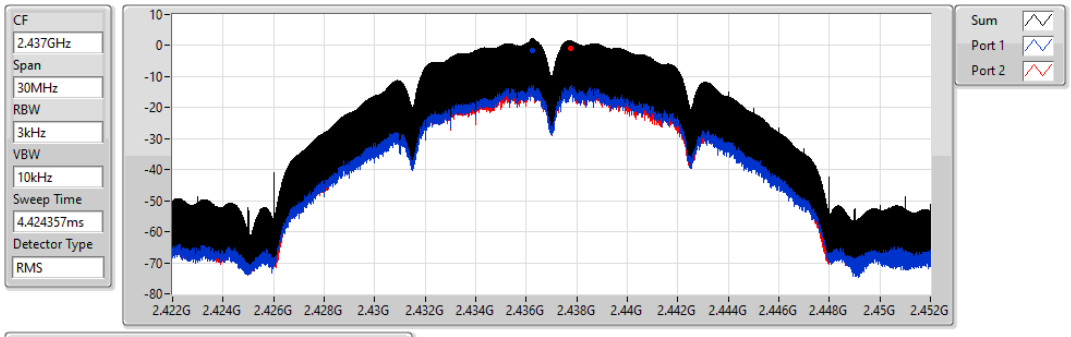
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.27	2.27	1.07	-1.76

802.11b_Nss1,(1Mbps)_2TX PSD

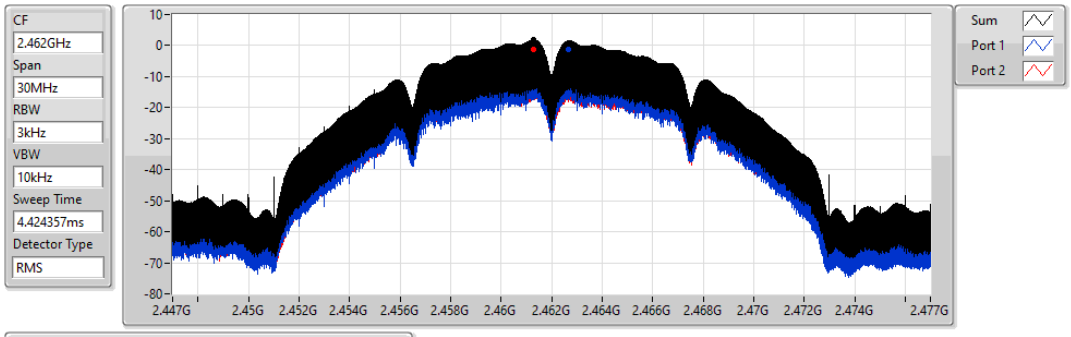
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.59	1.59	-1.69	-0.82

802.11b_Nss1,(1Mbps)_2TX PSD

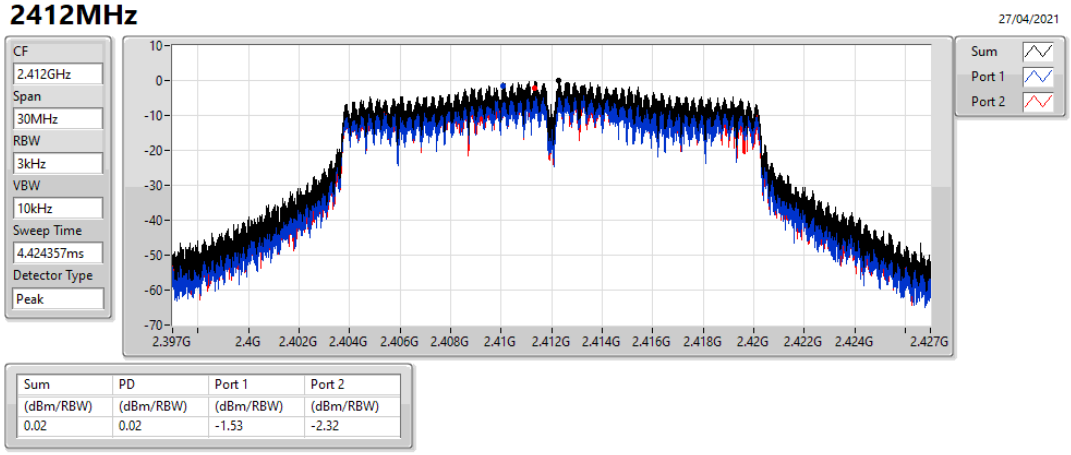
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.91	1.91	-1.10	-1.10

802.11g_Nss1,(6Mbps)_2TX PSD

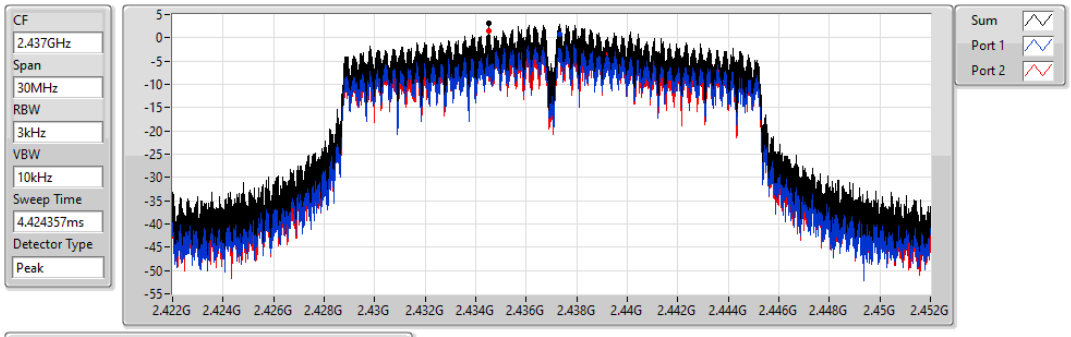
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.02	0.02	-1.53	-2.32

802.11g_Nss1,(6Mbps)_2TX PSD

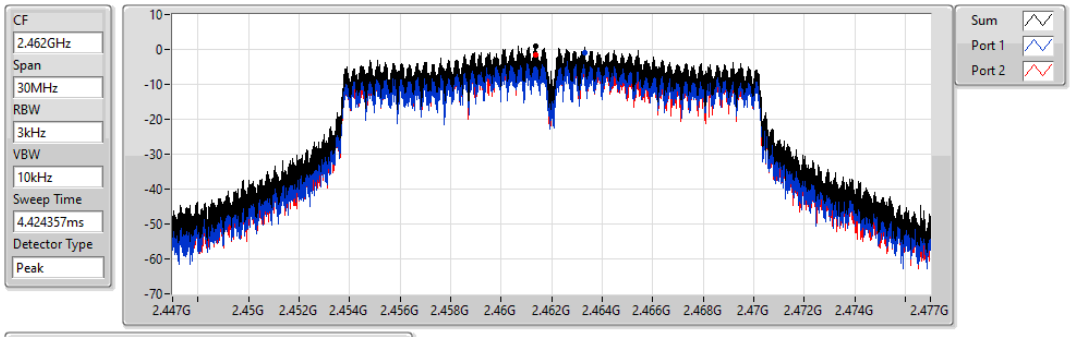
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.13	3.13	0.84	1.52

802.11g_Nss1,(6Mbps)_2TX PSD

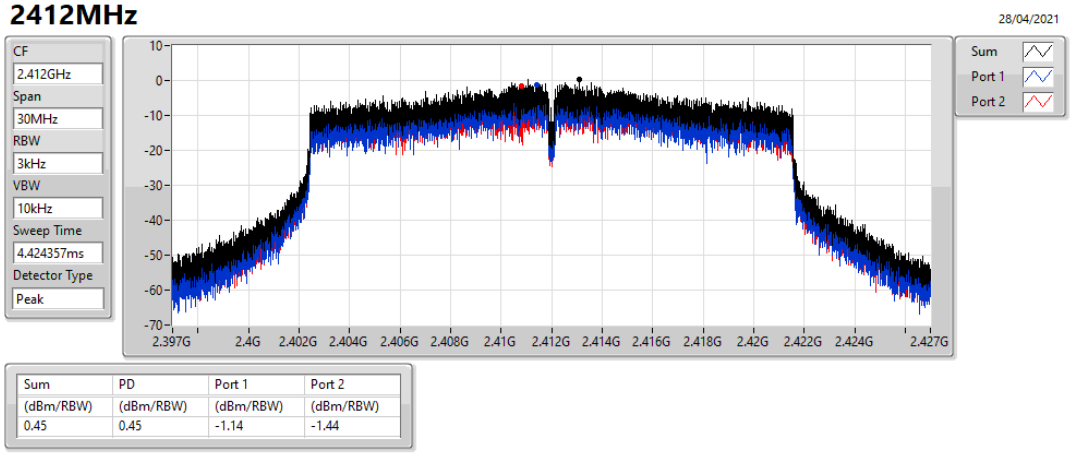
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.03	1.03	-1.07	-1.42

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

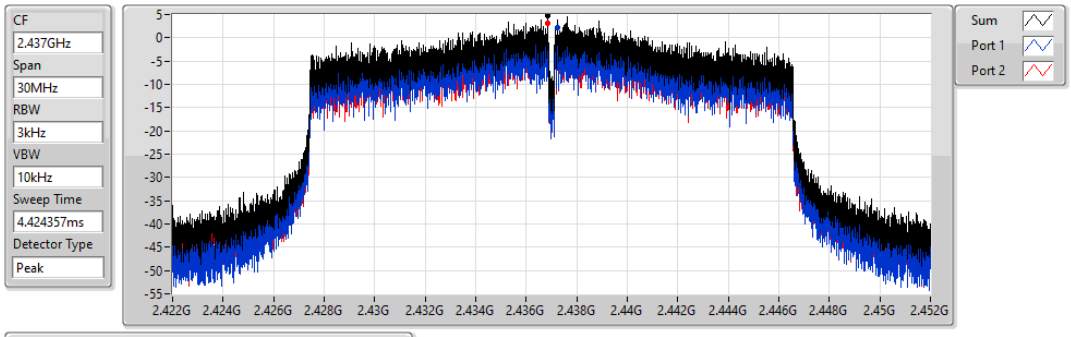
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.45	0.45	-1.14	-1.44

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

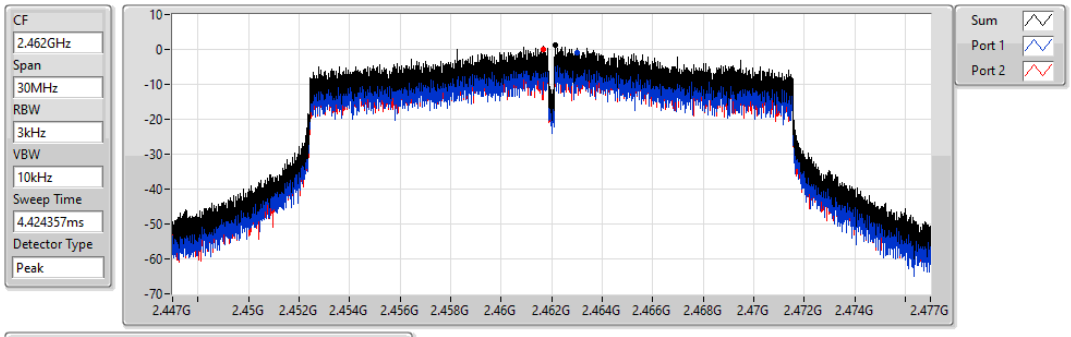
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.75	4.75	2.26	3.04

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

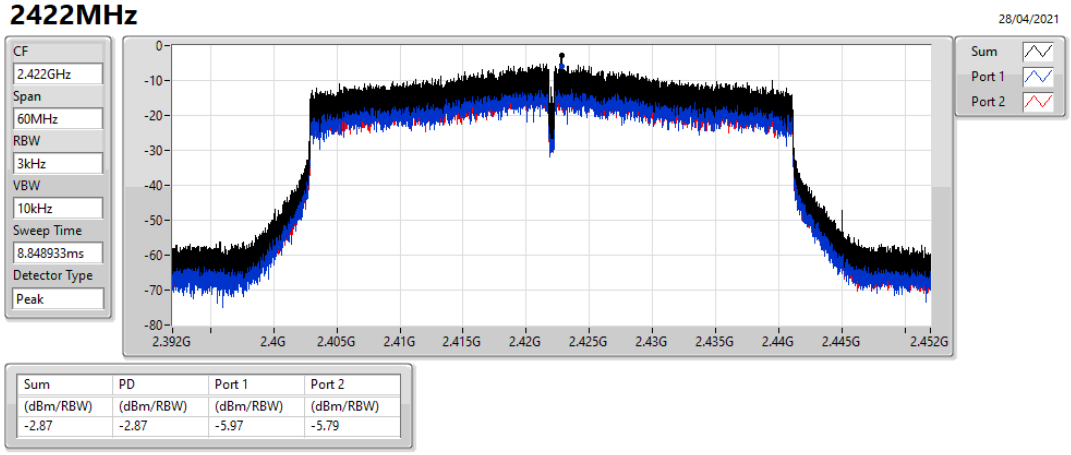
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.30	1.30	-0.87	-0.15

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

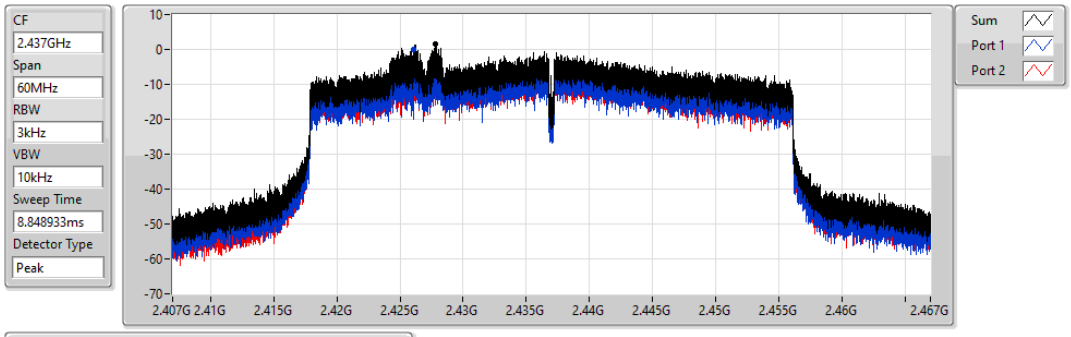
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.87	-2.87	-5.97	-5.79

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

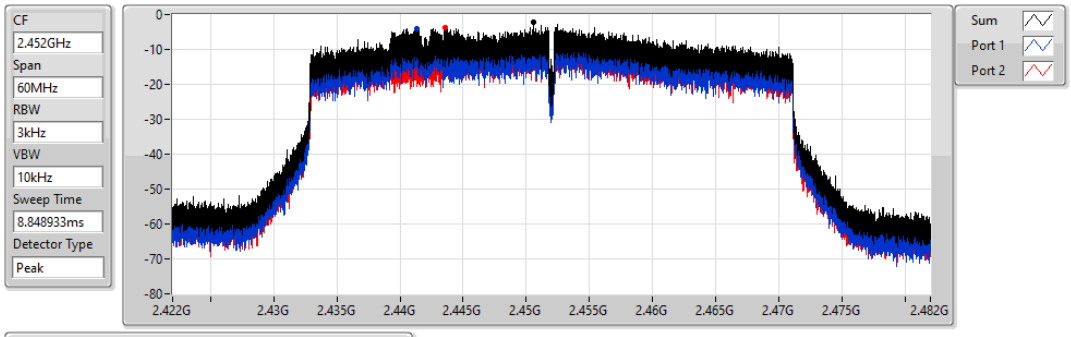
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.71	1.71	-0.12	1.56

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.17	-2.17	-4.10	-3.72

Summary

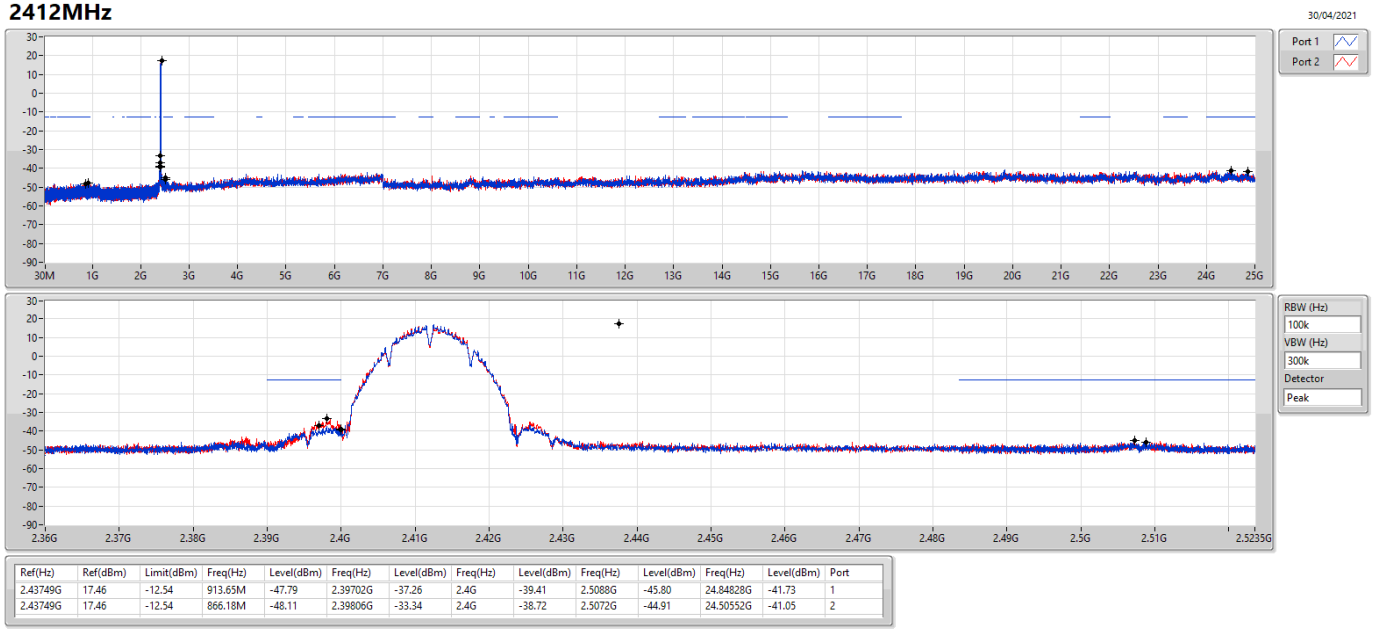
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43749G	17.46	-12.54	866.18M	-48.11	2.39806G	-33.34	2.4G	-38.72	2.5072G	-44.91	24.50552G	-41.05	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	18.70	-11.30	871.42M	-46.64	2.39986G	-26.30	2.4G	-28.50	2.51588G	-44.98	24.47742G	-41.35	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.4357G	17.74	-12.26	699.58M	-48.20	2.3998G	-27.03	2.4G	-28.41	2.51152G	-45.57	15.19744G	-41.51	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42797G	15.26	-14.74	223.79M	-37.36	2.39956G	-30.62	2.4G	-36.24	2.50162G	-46.50	24.43348G	-41.55	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	17.46	-12.54	913.65M	-47.79	2.39702G	-37.26	2.4G	-39.41	2.5088G	-45.80	24.84828G	-41.73	1
2412MHz	Pass	2.43749G	17.46	-12.54	866.18M	-48.11	2.39806G	-33.34	2.4G	-38.72	2.5072G	-44.91	24.50552G	-41.05	2
2437MHz	Pass	2.43749G	17.46	-12.54	865.01M	-48.34	2.39286G	-46.55	2.4835G	-47.13	2.51472G	-45.41	24.52799G	-41.53	1
2437MHz	Pass	2.43749G	17.46	-12.54	929.09M	-47.29	2.39098G	-47.19	2.4G	-49.12	2.49502G	-45.43	24.46337G	-40.91	2
2462MHz	Pass	2.43749G	17.46	-12.54	856.57M	-47.16	2.39416G	-46.85	2.4835G	-49.71	2.48396G	-45.61	16.22574G	-40.82	1
2462MHz	Pass	2.43749G	17.46	-12.54	959.09M	-47.88	2.3929G	-46.73	2.4835G	-49.27	2.4884G	-45.32	15.18339G	-40.58	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	18.70	-11.30	526.87M	-47.94	2.39988G	-26.94	2.4G	-26.92	2.50736G	-46.06	24.42123G	-40.81	1
2412MHz	Pass	2.43574G	18.70	-11.30	871.42M	-46.64	2.39986G	-26.30	2.4G	-28.50	2.51588G	-44.98	24.47742G	-41.35	2
2437MHz	Pass	2.43574G	18.70	-11.30	2.15613G	-48.11	2.39922G	-39.52	2.4G	-42.61	2.48574G	-44.53	6.98789G	-39.96	1
2437MHz	Pass	2.43574G	18.70	-11.30	842.88M	-47.37	2.39928G	-37.74	2.4G	-42.93	2.48386G	-44.04	21.85891G	-40.71	2
2462MHz	Pass	2.43574G	18.70	-11.30	821.91M	-47.89	2.39622G	-46.49	2.4835G	-44.27	2.48472G	-43.10	24.4999G	-40.80	1
2462MHz	Pass	2.43574G	18.70	-11.30	704.24M	-47.35	2.39074G	-46.42	2.4835G	-40.28	2.48486G	-37.37	21.9741G	-41.77	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	17.74	-12.26	708.61M	-47.14	2.39976G	-28.35	2.4G	-28.69	2.50902G	-46.20	24.4128G	-40.79	1
2412MHz	Pass	2.4357G	17.74	-12.26	699.58M	-48.20	2.3998G	-27.03	2.4G	-28.41	2.51152G	-45.57	15.19744G	-41.51	2
2437MHz	Pass	2.4357G	17.74	-12.26	925.3M	-47.63	2.39956G	-36.68	2.4G	-39.98	2.48548G	-41.52	24.71623G	-41.63	1
2437MHz	Pass	2.4357G	17.74	-12.26	623.57M	-47.24	2.39888G	-35.38	2.4G	-40.85	2.48428G	-43.90	24.10656G	-41.45	2
2462MHz	Pass	2.4357G	17.74	-12.26	2.10224G	-47.43	2.39426G	-46.46	2.4835G	-45.65	2.48598G	-40.06	24.47461G	-40.37	1
2462MHz	Pass	2.4357G	17.74	-12.26	2.12642G	-48.23	2.39358G	-46.52	2.4835G	-41.69	2.48596G	-39.89	16.27631G	-41.14	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42797G	15.26	-14.74	223.79M	-40.62	2.39952G	-35.80	2.4G	-36.60	2.48798G	-38.26	7.2331G	-38.72	1
2422MHz	Pass	2.42797G	15.26	-14.74	223.79M	-37.36	2.39956G	-30.62	2.4G	-36.24	2.50162G	-46.50	24.43348G	-41.55	2
2437MHz	Pass	2.42797G	15.26	-14.74	223.79M	-36.94	2.39872G	-35.98	2.4G	-41.01	2.49078G	-38.71	23.522G	-42.00	1
2437MHz	Pass	2.42797G	15.26	-14.74	223.79M	-38.05	2.39924G	-33.40	2.4G	-37.50	2.49402G	-33.43	24.8149G	-41.53	2
2452MHz	Pass	2.42797G	15.26	-14.74	223.79M	-36.73	2.39132G	-47.26	2.4835G	-44.98	2.48446G	-42.62	16.77422G	-41.32	1
2452MHz	Pass	2.42797G	15.26	-14.74	224.08M	-38.94	2.39996G	-46.75	2.4835G	-45.15	2.4843G	-42.51	6.87692G	-41.67	2

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

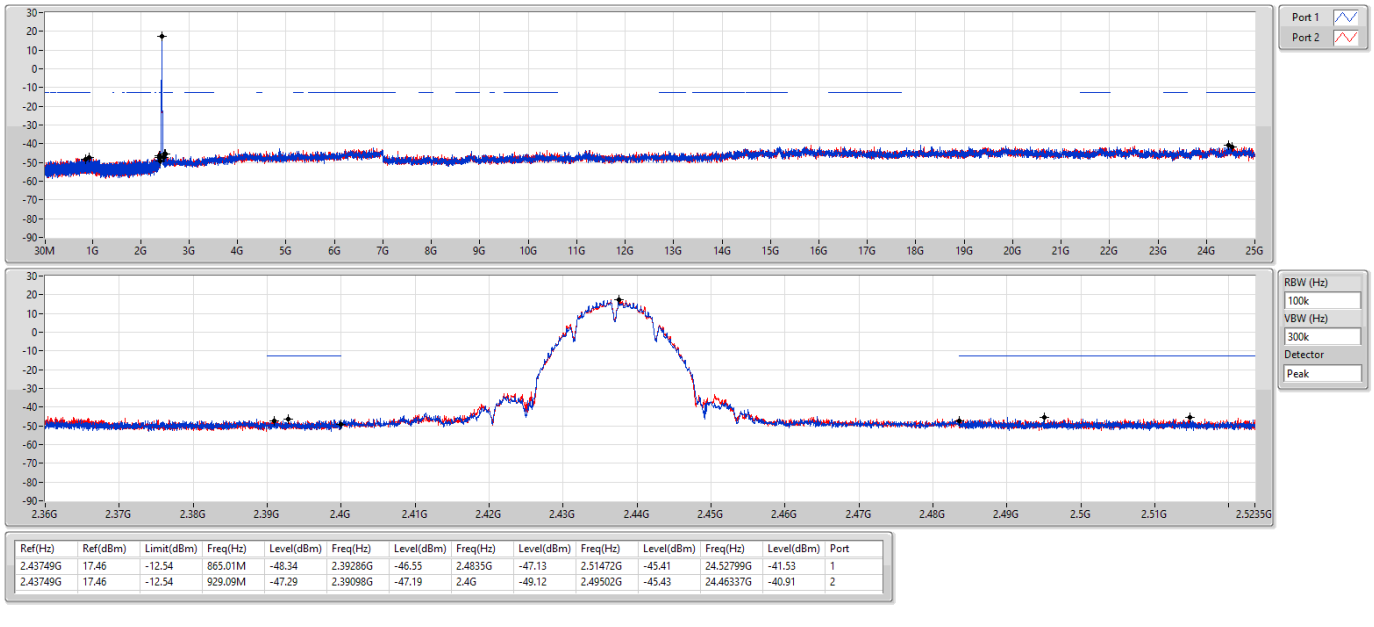
2412MHz



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	17.46	-12.54	913.65M	-47.79	2.39702G	-37.26	2.4G	-39.41	2.5088G	-45.80	24.84828G	-41.73	1
2.43749G	17.46	-12.54	866.18M	-48.11	2.39806G	-33.34	2.4G	-38.72	2.5072G	-44.91	24.50552G	-41.05	2

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

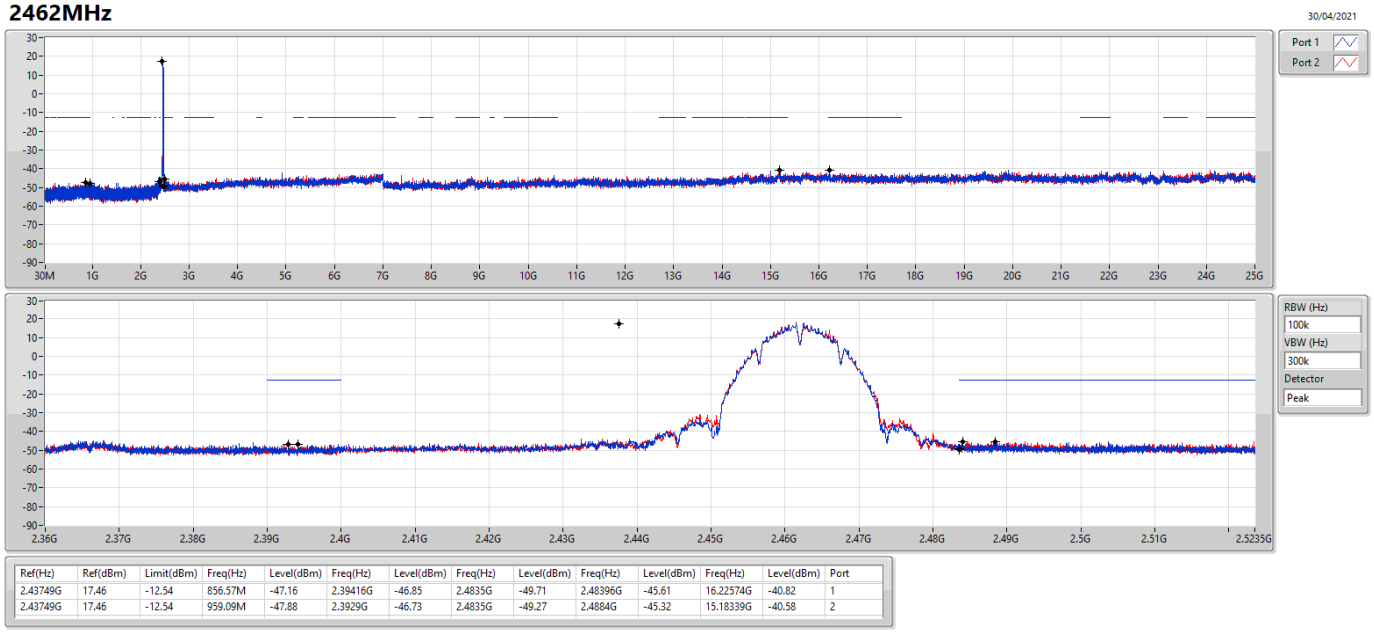
2437MHz



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	17.46	-12.54	865.01M	-48.34	2.39286G	-46.55	2.4835G	-47.13	2.51472G	-45.41	24.52799G	-41.53	1
2.43749G	17.46	-12.54	929.09M	-47.29	2.39098G	-47.19	2.4G	-49.12	2.49502G	-45.43	24.46337G	-40.91	2

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

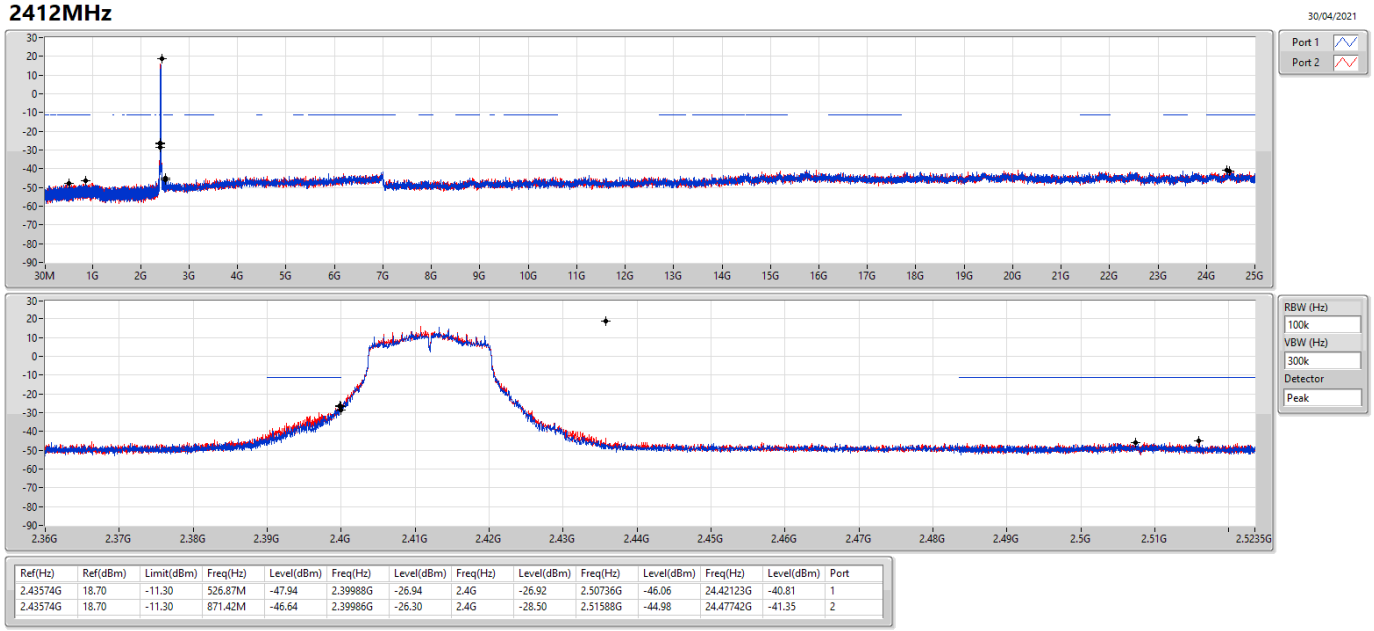
2462MHz



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	17.46	-12.54	856.57M	-47.16	2.39416G	-46.85	2.4835G	-49.71	2.48396G	-45.61	16.22574G	-40.82	1
2.43749G	17.46	-12.54	959.09M	-47.88	2.3929G	-46.73	2.4835G	-49.27	2.4884G	-45.32	15.18339G	-40.58	2

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

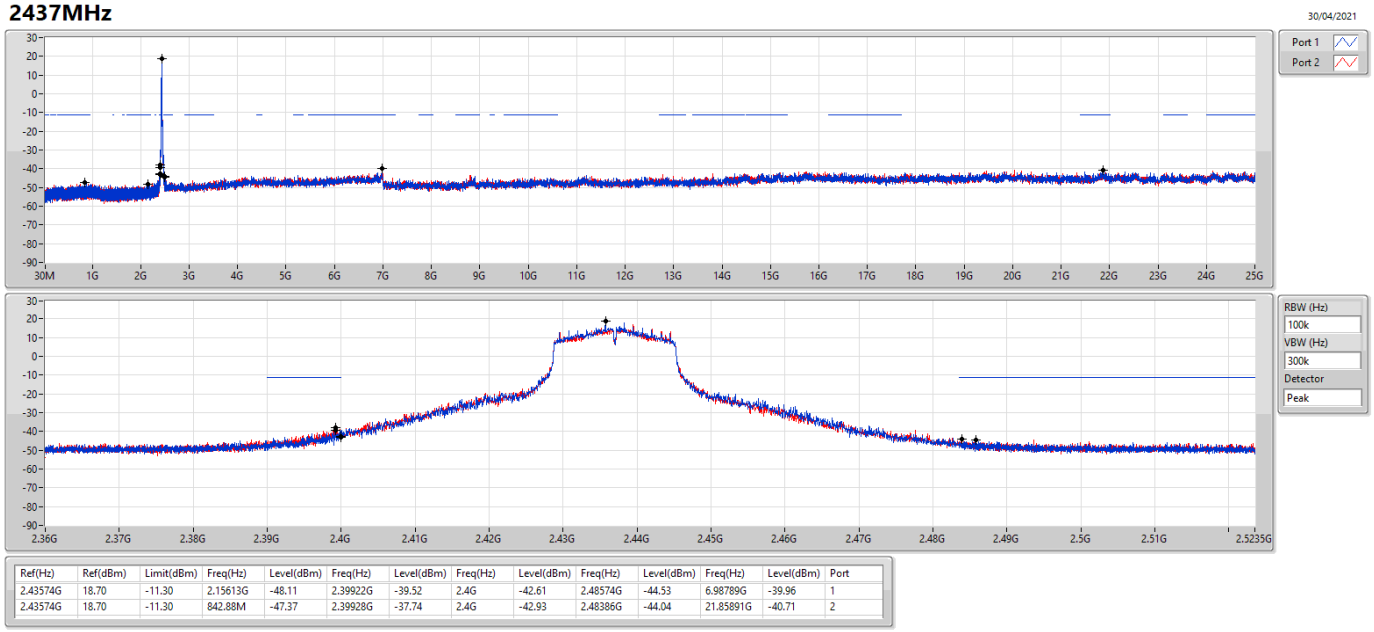
2412MHz



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
2.43574G	18.70	-11.30	526.87M	-47.94	2.39988G	-26.94	2.4G	-26.92	2.50736G	-46.06	24.42123G	-40.81	1
2.43574G	18.70	-11.30	871.42M	-46.64	2.39986G	-26.30	2.4G	-28.50	2.51588G	-44.98	24.47742G	-41.35	2

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

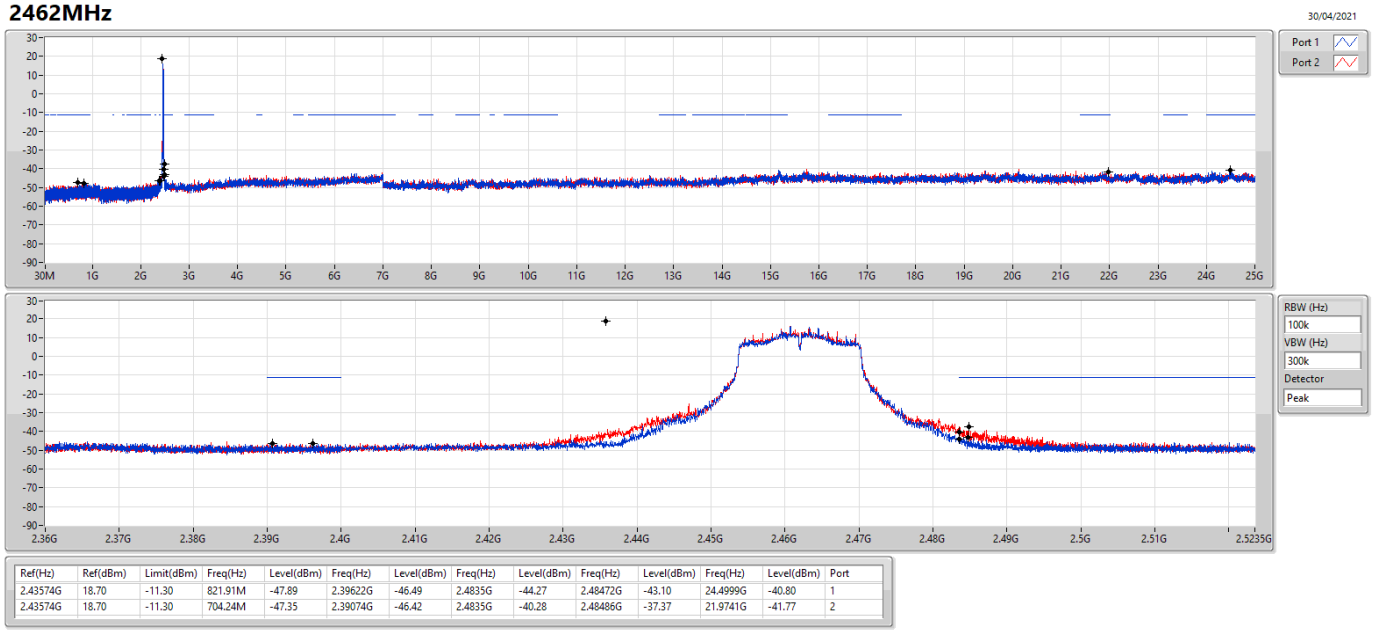
2437MHz



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
2.43574G	18.70	-11.30	2.15613G	-48.11	2.39922G	-39.52	2.4G	-42.61	2.48574G	-44.53	6.98789G	-39.96	1
2.43574G	18.70	-11.30	842.88M	-47.37	2.39928G	-37.74	2.4G	-42.93	2.48386G	-44.04	21.85891G	-40.71	2

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

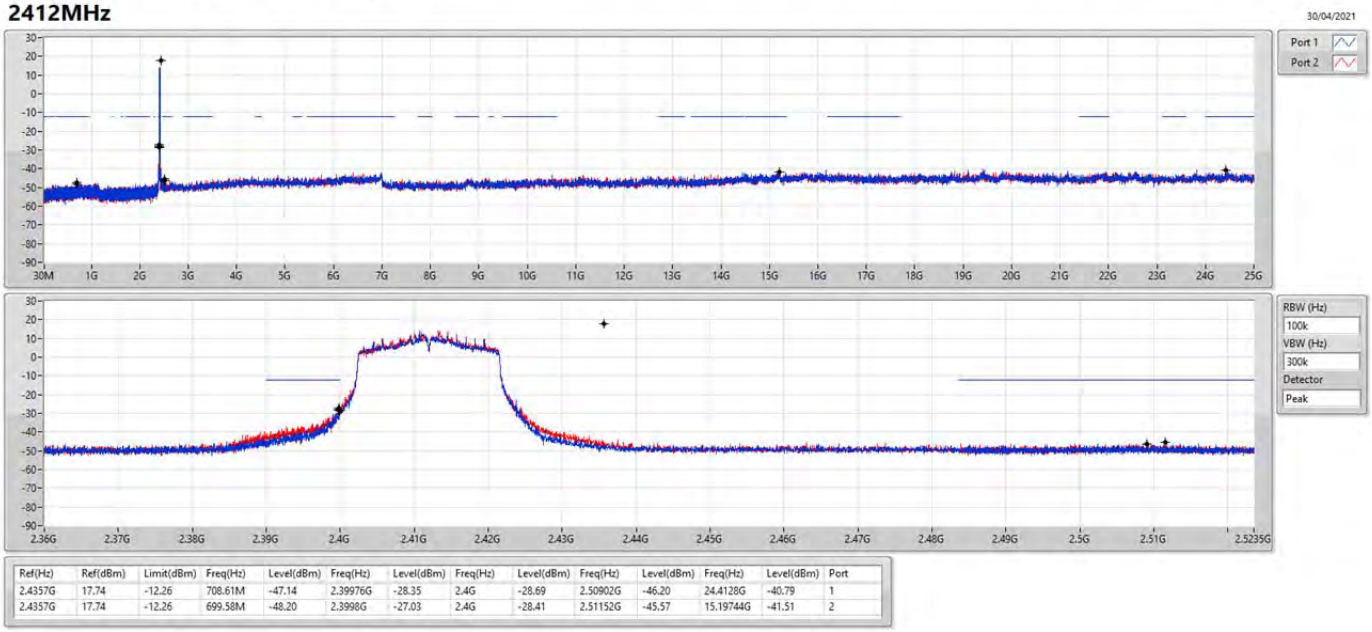
2462MHz



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
2.43574G	18.70	-11.30	821.91M	-47.89	2.39622G	-46.49	2.4835G	-44.27	2.48472G	-43.10	24.4999G	-40.80	1
2.43574G	18.70	-11.30	704.24M	-47.35	2.39074G	-46.42	2.4835G	-40.28	2.48486G	-37.37	21.9741G	-41.77	2

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

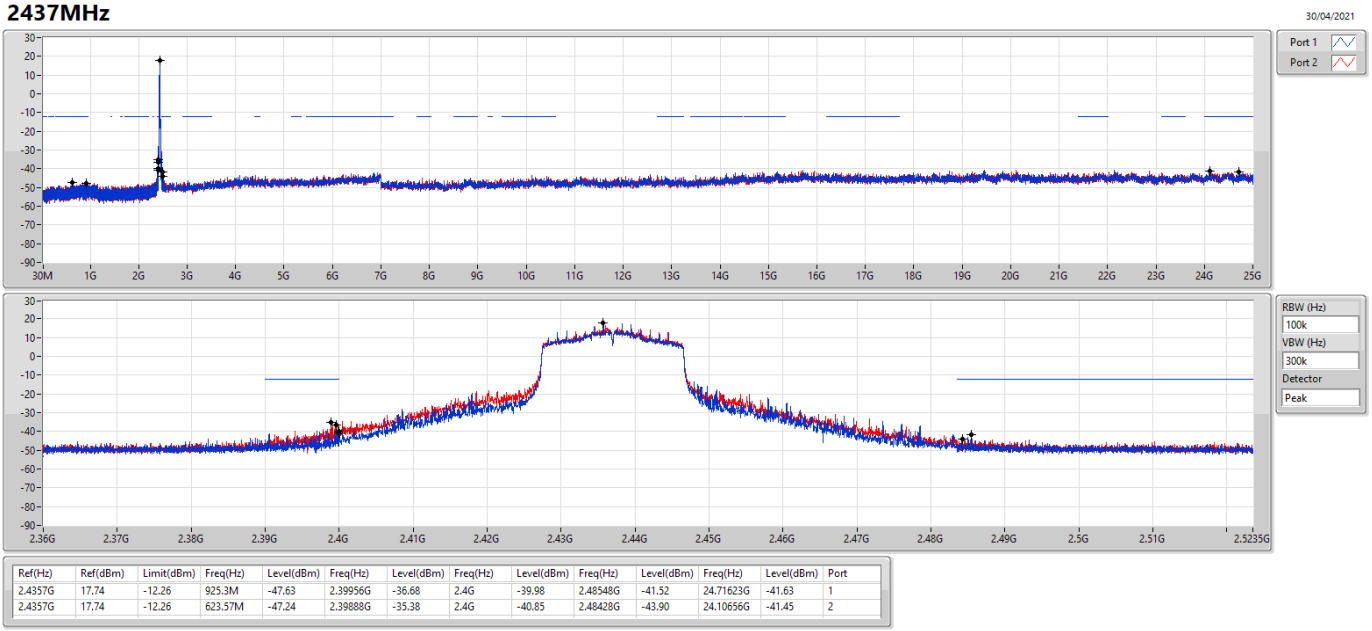
2412MHz



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	17.74	-12.26	708.61M	-47.14	2.39976G	-28.35	2.4G	-28.69	2.50902G	-46.20	24.4128G	-40.79	1
2.4357G	17.74	-12.26	699.58M	-48.20	2.3998G	-27.03	2.4G	-28.41	2.51152G	-45.57	15.19744G	-41.51	2

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

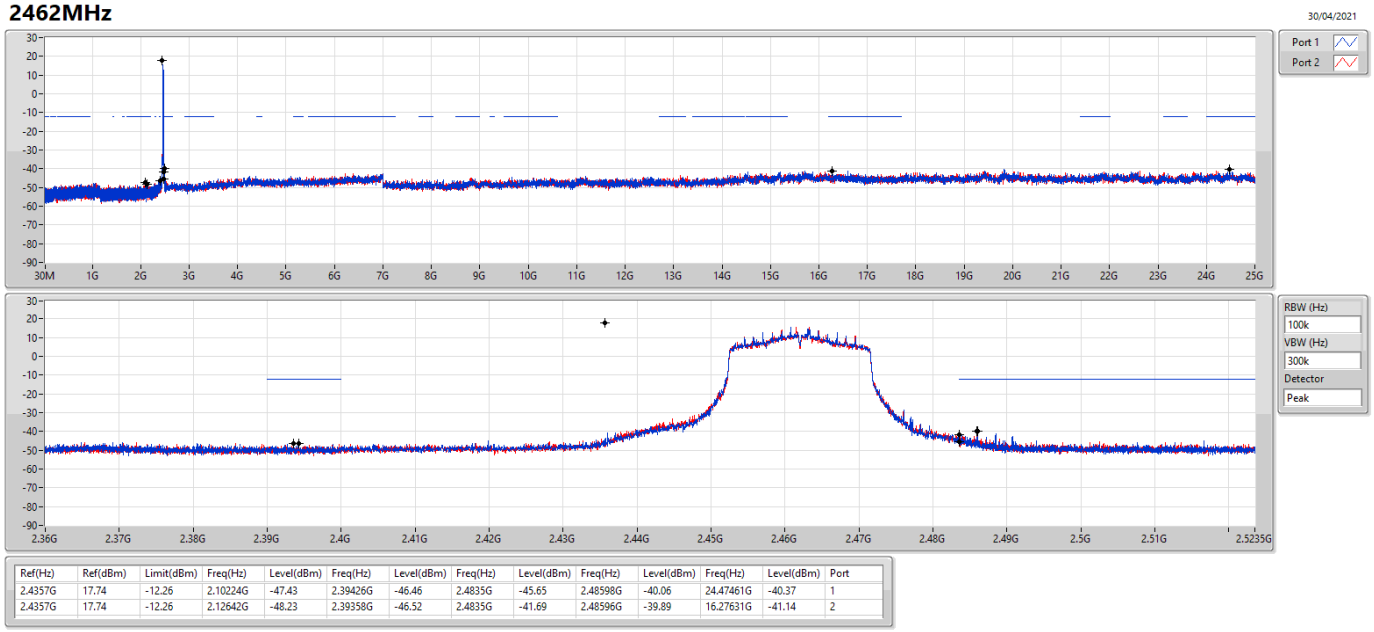
2437MHz



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	17.74	-12.26	925.3M	-47.63	2.39956G	-36.68	2.4G	-39.98	2.48548G	-41.52	24.71623G	-41.63	1
2.4357G	17.74	-12.26	623.57M	-47.24	2.39888G	-35.38	2.4G	-40.85	2.48428G	-43.90	24.10656G	-41.45	2

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

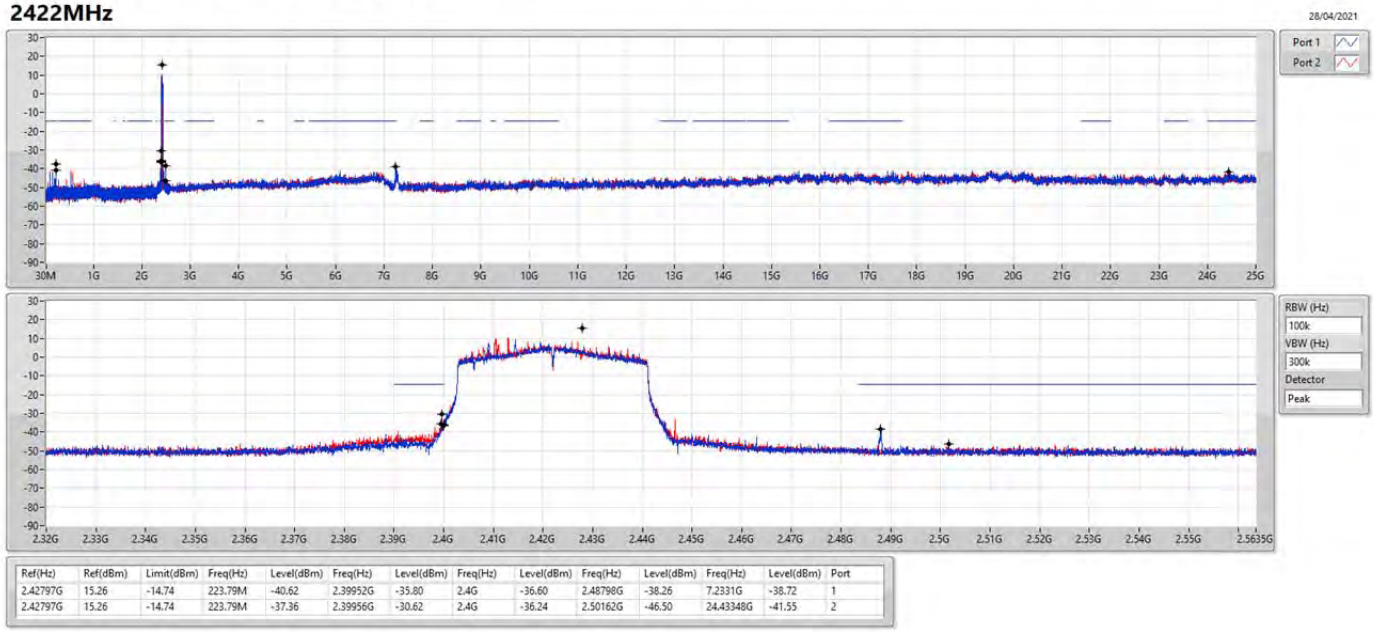
2462MHz



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	17.74	-12.26	2.10224G	-47.43	2.39426G	-46.46	2.4835G	-45.65	2.48598G	-40.06	24.47461G	-40.37	1
2.4357G	17.74	-12.26	2.12642G	-48.23	2.39358G	-46.52	2.4835G	-41.69	2.48596G	-39.89	16.27631G	-41.14	2

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

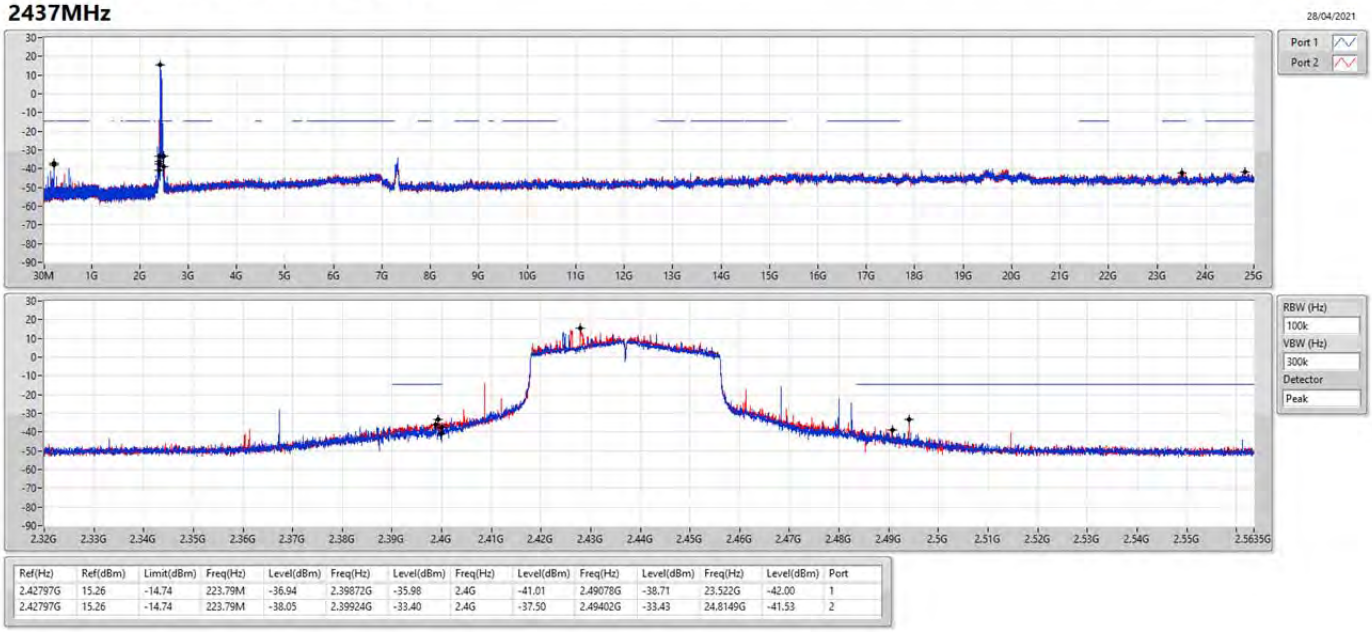
2422MHz



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
2.42797G	15.26	-14.74	223.79M	-40.62	2.39952G	-35.80	2.4G	-36.60	2.48798G	-38.26	7.2331G	-38.72	1
2.42797G	15.26	-14.74	223.79M	-37.36	2.39956G	-30.62	2.4G	-36.24	2.50162G	-46.50	24.43348G	-41.55	2

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

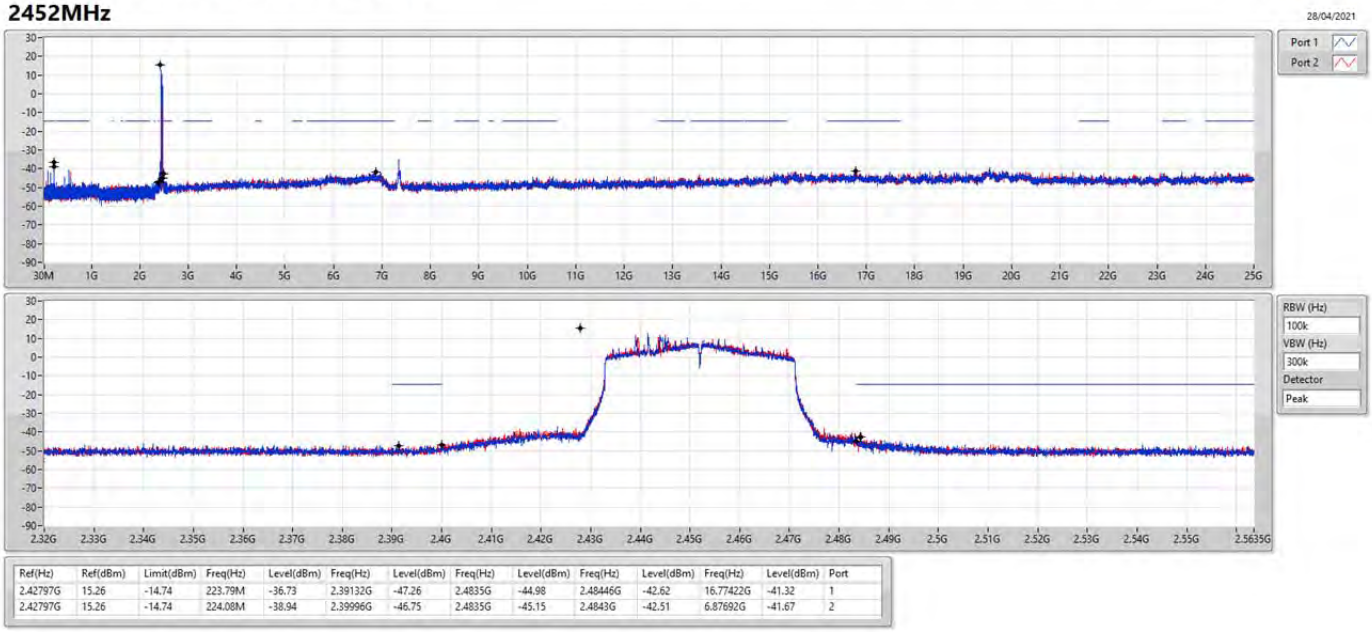
2437MHz



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
2.42797G	15.26	-14.74	223.79M	-36.94	2.39872G	-35.98	2.4G	-41.01	2.49078G	-38.71	23.522G	-42.00	1
2.42797G	15.26	-14.74	223.79M	-38.05	2.39924G	-33.40	2.4G	-37.50	2.49402G	-33.43	24.8149G	-41.53	2

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

2452MHz



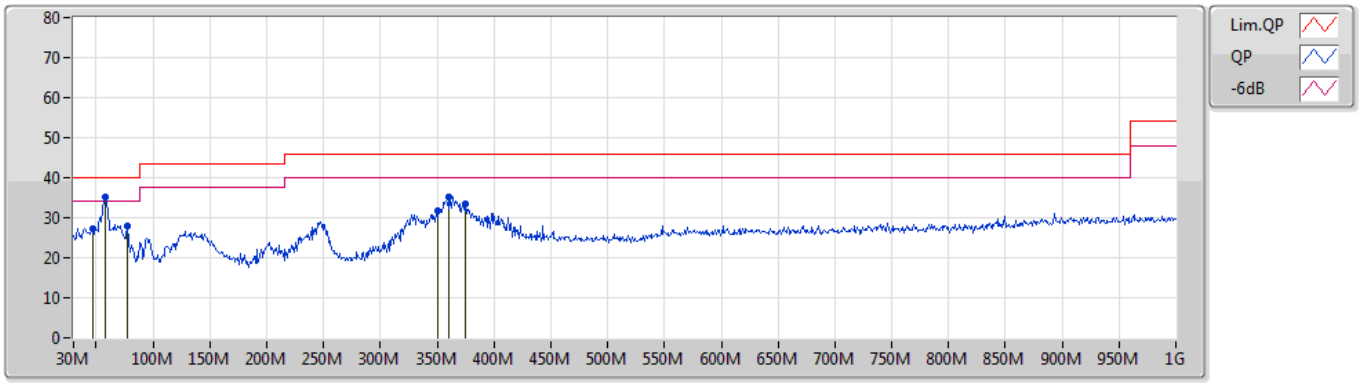
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42797G	15.26	-14.74	223.79M	-36.73	2.39132G	-47.26	2.4835G	-44.98	2.48446G	-42.62	16.77422G	-41.32	1
2.42797G	15.26	-14.74	224.08M	-38.94	2.39996G	-46.75	2.4835G	-45.15	2.4843G	-42.51	6.87692G	-41.67	2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	PK	58.13M	35.31	40.00	-4.69	Vertical

Mode 3

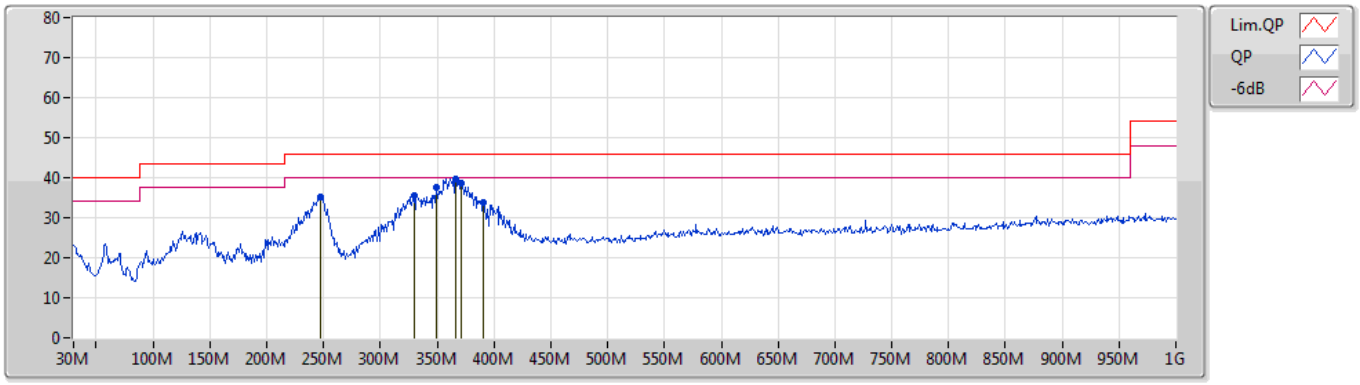
24/05/2021



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	46.49M	27.30	40.00	-12.70	-15.78	3	Vertical	108	1.00	-	43.08	15.35	0.60	31.73
PK	58.13M	35.31	40.00	-4.69	-18.74	3	Vertical	48	1.00	"Worst"	54.05	12.33	0.76	31.83
PK	77.53M	28.10	40.00	-11.90	-18.55	3	Vertical	14	1.00	-	46.65	12.46	0.90	31.91
PK	350.1M	31.76	46.00	-14.24	-9.43	3	Vertical	53	1.50	-	41.19	20.28	2.40	32.11
PK	360.77M	35.19	46.00	-10.81	-9.04	3	Vertical	61	1.50	-	44.23	20.65	2.44	32.13
PK	375.32M	33.50	46.00	-12.50	-8.88	3	Vertical	52	1.25	-	42.38	20.77	2.50	32.15

Mode 3

24/05/2021



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	247.28M	35.25	46.00	-10.75	-12.28	3	Horizontal	88	1.25	-	47.53	17.84	1.89	32.01
PK	329.73M	35.66	46.00	-10.34	-10.19	3	Horizontal	204	1.00	-	45.85	19.59	2.32	32.10
PK	349.13M	37.43	46.00	-8.57	-9.49	3	Horizontal	137	1.00	-	46.92	20.22	2.40	32.11
PK	366.59M	39.71	46.00	-6.29	-8.99	3	Horizontal	179	1.00	"Worst"	48.70	20.68	2.47	32.14
PK	371.44M	38.52	46.00	-7.48	-8.94	3	Horizontal	179	1.00	-	47.46	20.71	2.49	32.14
PK	390.84M	33.68	46.00	-12.32	-8.36	3	Horizontal	188	1.00	-	42.04	21.26	2.56	32.18

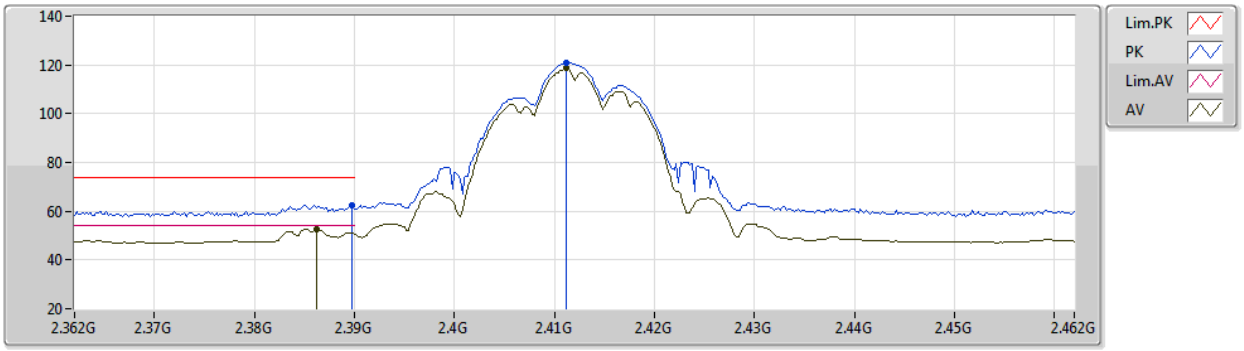
Summary

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	2.39G	52.99	54.00	-1.01	3	Vertical	0	2.11	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

14/04/2021



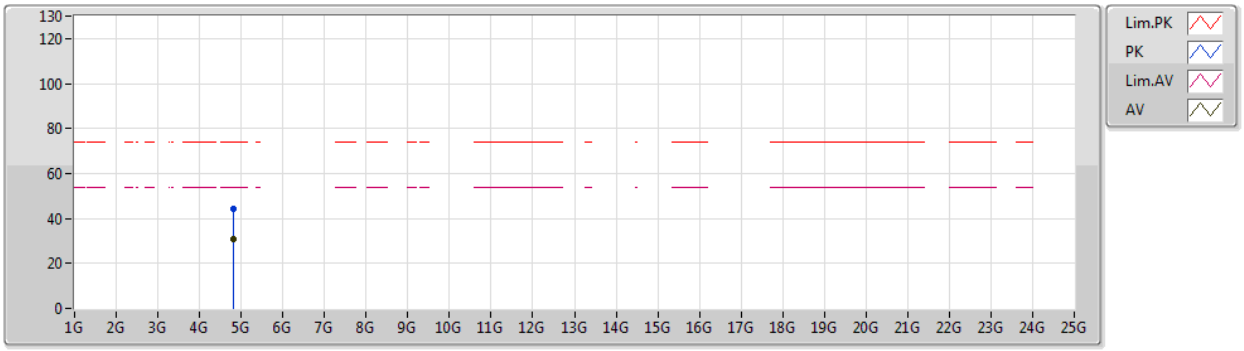
EUT Y_2TX
Setting 26.5
03-L-K-4

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	2.3898G	62.28	74.00	-11.72	31.60	3	Vertical	69	2.05	-	27.48	3.20	-
AV	2.3862G	52.56	54.00	-1.44	21.89	3	Vertical	69	2.05	-	27.47	3.20	-
PK	2.4112G	121.04	Inf	-Inf	90.31	3	Vertical	69	2.05	-	27.52	3.21	-
AV	2.4112G	118.65	Inf	-Inf	87.92	3	Vertical	69	2.05	-	27.52	3.21	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

14/04/2021



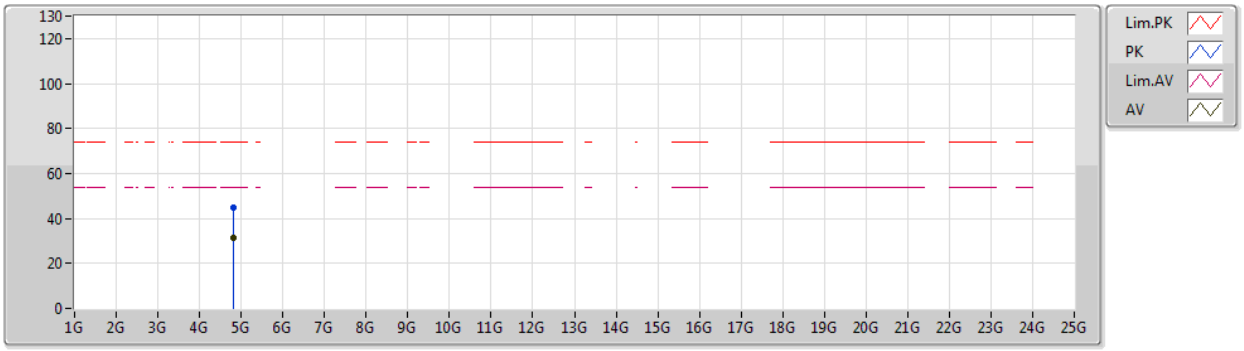
EUT Y_2TX
Setting 26.5
02-B-R-5

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	4.82418G	44.06	74.00	-29.94	38.34	3	Vertical	203	2.01	-	32.80	4.70	31.78
AV	4.82412G	30.91	54.00	-23.09	25.19	3	Vertical	203	2.01	-	32.80	4.70	31.78

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

14/04/2021



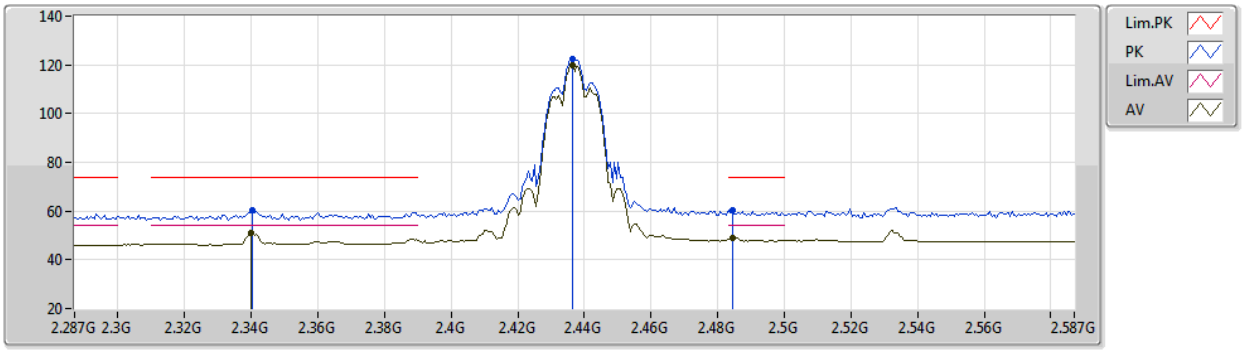
EUT Y_2TX
Setting 26.5
02-B-R-5

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	4.81806G	44.56	74.00	-29.44	38.86	3	Horizontal	84	1.08	-	32.77	4.70	31.77
AV	4.82406G	31.35	54.00	-22.65	25.63	3	Horizontal	84	1.08	-	32.80	4.70	31.78

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

14/04/2021



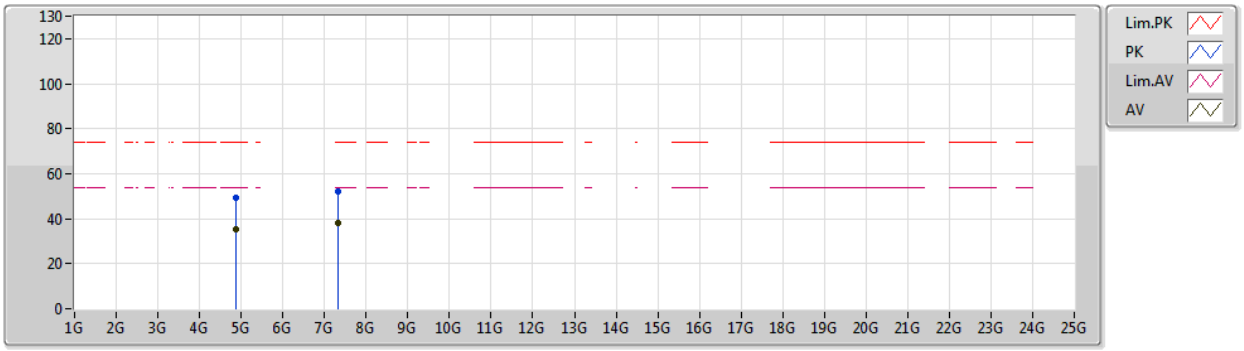
EUT Y_2TX
Setting 27.5
04-L-K-4

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	2.3404G	60.59	74.00	-13.41	29.99	3	Vertical	143	1.80	-	27.40	3.20	-
AV	2.3398G	51.09	54.00	-2.91	20.49	3	Vertical	143	1.80	-	27.40	3.20	-
PK	2.4364G	122.31	Inf	-Inf	91.50	3	Vertical	143	1.80	-	27.57	3.24	-
AV	2.4364G	120.01	Inf	-Inf	89.20	3	Vertical	143	1.80	-	27.57	3.24	-
PK	2.4844G	60.50	74.00	-13.50	29.48	3	Vertical	143	1.80	-	27.74	3.28	-
AV	2.4844G	49.19	54.00	-4.81	18.17	3	Vertical	143	1.80	-	27.74	3.28	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

14/04/2021



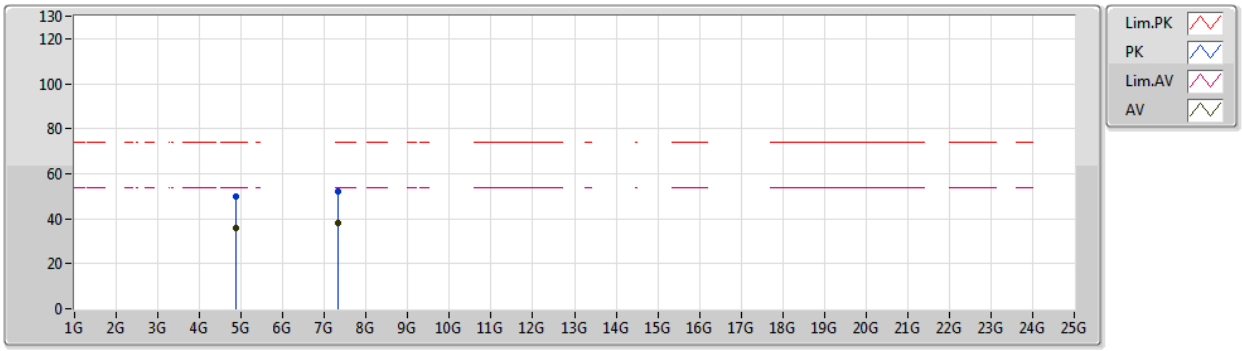
EUT Y_2TX
Setting 27.5
04-L-K-4

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	4.87896G	49.55	74.00	-24.45	45.07	3	Vertical	68	1.82	-	33.52	6.32	35.36
AV	4.87684G	35.41	54.00	-18.59	30.94	3	Vertical	68	1.82	-	33.51	6.32	35.36
PK	7.32068G	51.97	74.00	-22.03	42.49	3	Vertical	169	1.00	-	37.00	7.88	35.40
AV	7.32032G	37.87	54.00	-16.13	28.39	3	Vertical	169	1.00	-	37.00	7.88	35.40

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

14/04/2021



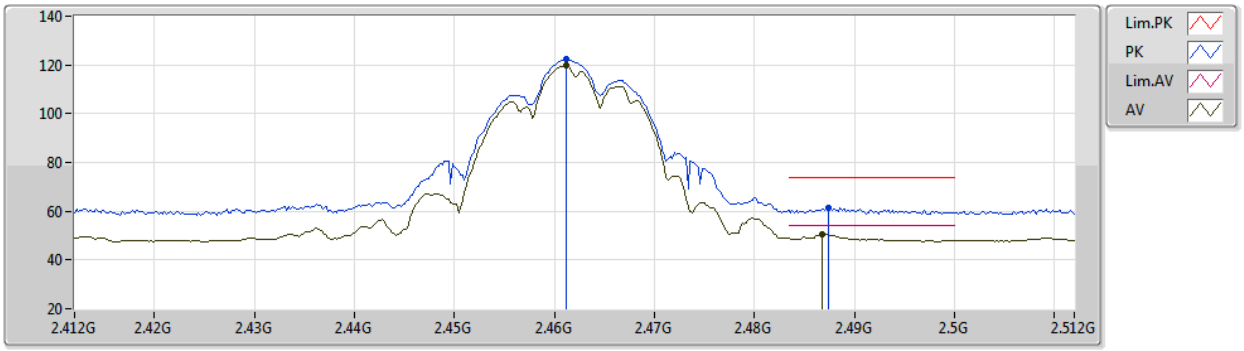
EUT Y_2TX
Setting 27.5
04-L-K-4

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	4.87491G	49.89	74.00	-24.11	45.44	3	Horizontal	66	1.81	-	33.50	6.31	35.36
AV	4.87401G	35.92	54.00	-18.08	31.47	3	Horizontal	66	1.81	-	33.50	6.31	35.36
PK	7.31444G	51.85	74.00	-22.15	42.38	3	Horizontal	276	1.80	-	37.00	7.87	35.40
AV	7.32064G	37.87	54.00	-16.13	28.39	3	Horizontal	276	1.80	-	37.00	7.88	35.40

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

14/04/2021



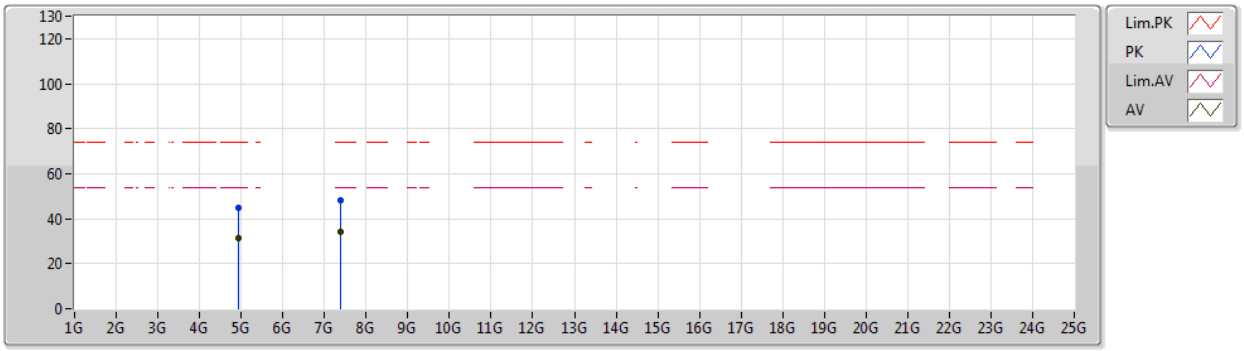
EUT Y_2TX
Setting 27.5
02-L-K-4

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	2.4612G	122.28	Inf	-Inf	91.38	3	Vertical	64	1.84	-	27.64	3.26	-
AV	2.4612G	119.81	Inf	-Inf	88.91	3	Vertical	64	1.84	-	27.64	3.26	-
PK	2.4874G	61.22	74.00	-12.78	30.18	3	Vertical	64	1.84	-	27.75	3.29	-
AV	2.4868G	50.55	54.00	-3.45	19.51	3	Vertical	64	1.84	-	27.75	3.29	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

14/04/2021



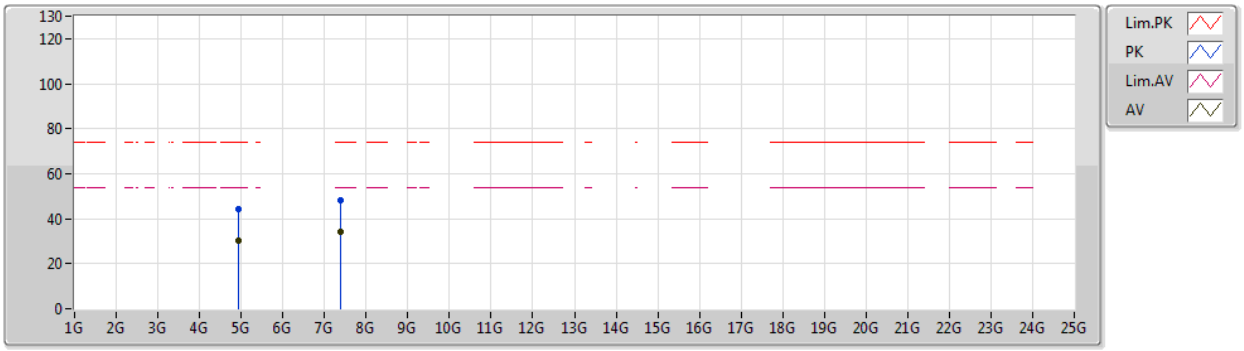
EUT Y_2TX
Setting 27.5
02-B-R-5

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	4.93864G	44.92	74.00	-29.08	38.81	3	Vertical	339	1.86	-	33.23	4.70	31.82
AV	4.924G	31.18	54.00	-22.82	25.15	3	Vertical	339	1.86	-	33.14	4.70	31.81
PK	7.39296G	48.33	74.00	-25.67	38.40	3	Vertical	4	1.80	-	36.59	5.80	32.46
AV	7.39458G	34.25	54.00	-19.75	24.32	3	Vertical	4	1.80	-	36.59	5.80	32.46

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

14/04/2021



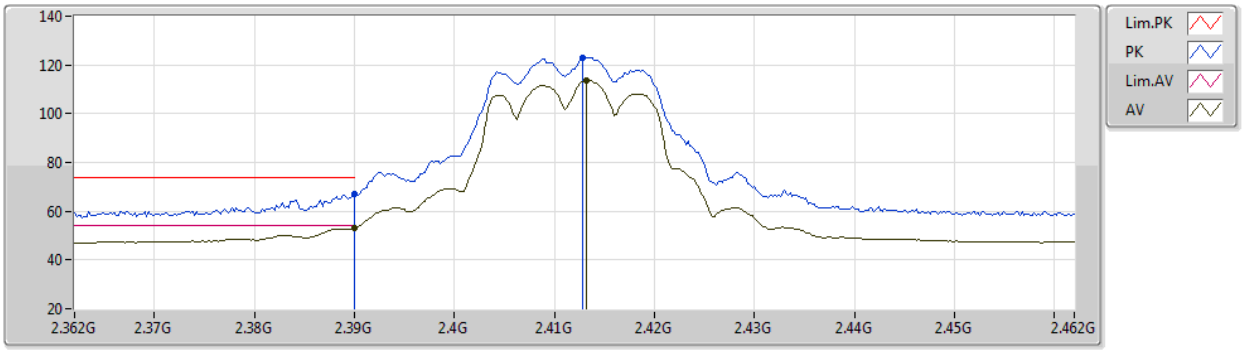
EUT Y_2TX
Setting 27.5
02-B-R-5

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	4.92292G	44.43	74.00	-29.57	38.40	3	Horizontal	87	1.14	-	33.14	4.70	31.81
AV	4.92382G	30.15	54.00	-23.85	24.12	3	Horizontal	87	1.14	-	33.14	4.70	31.81
PK	7.3908G	48.41	74.00	-25.59	38.49	3	Horizontal	112	1.90	-	36.58	5.80	32.46
AV	7.38324G	34.26	54.00	-19.74	24.35	3	Horizontal	112	1.90	-	36.57	5.79	32.45

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/04/2021



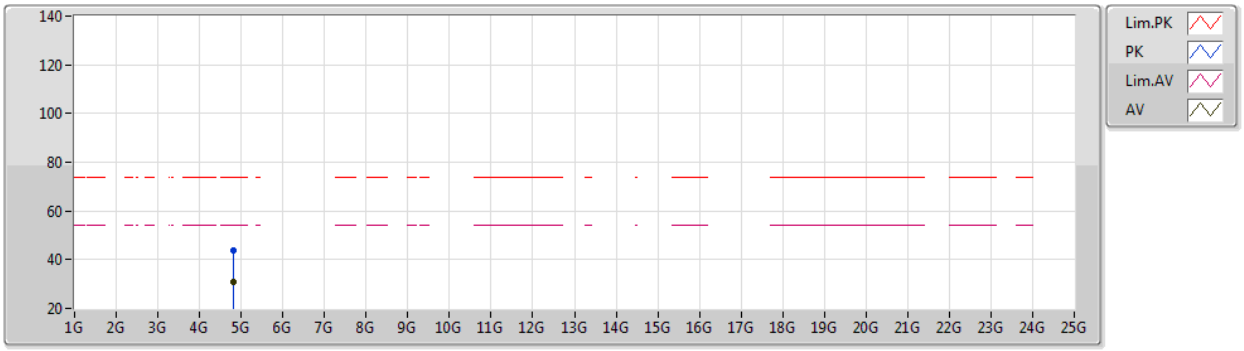
EUT Y_2TX
Setting 25
02-B-E-2

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	66.94	74.00	-7.06	36.89	3	Vertical	49	1.75	-	27.64	2.41	-
AV	2.39G	52.93	54.00	-1.07	22.88	3	Vertical	49	1.75	-	27.64	2.41	-
PK	2.4128G	123.16	Inf	-Inf	93.18	3	Vertical	49	1.75	-	27.57	2.41	-
AV	2.4132G	113.46	Inf	-Inf	83.48	3	Vertical	49	1.75	-	27.57	2.41	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/04/2021



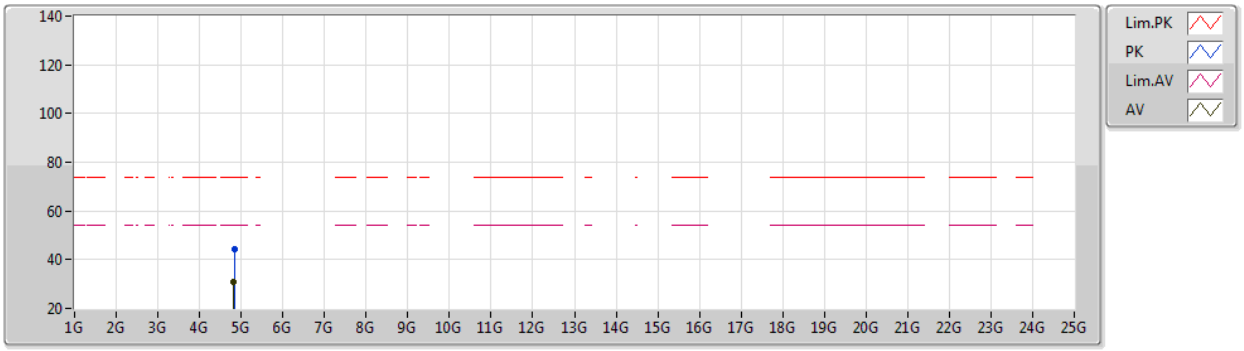
EUT Y_2TX
Setting 25
02-B-R-5

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	4.82478G	43.58	74.00	-30.42	37.86	3	Vertical	242	1.75	-	32.80	4.70	31.78
AV	4.82406G	30.85	54.00	-23.15	25.13	3	Vertical	242	1.75	-	32.80	4.70	31.78

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/04/2021



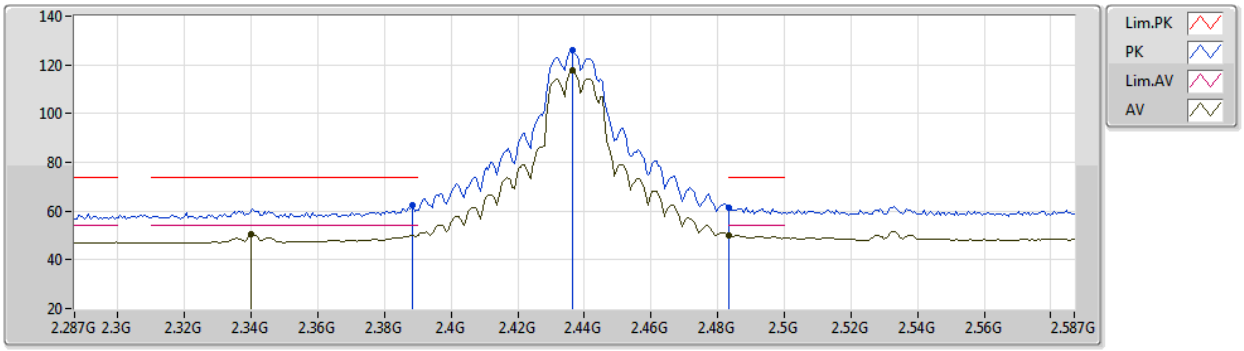
EUT Y_2TX
Setting 25
02-B-R-5

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	4.83348G	44.30	74.00	-29.70	38.55	3	Horizontal	339	1.86	-	32.83	4.70	31.78
AV	4.82472G	30.75	54.00	-23.25	25.03	3	Horizontal	339	1.86	-	32.80	4.70	31.78

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/04/2021



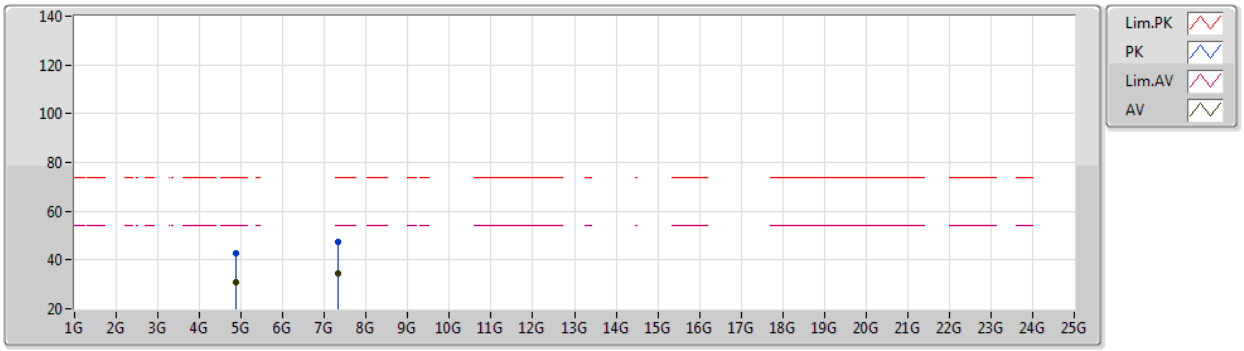
EUT Y_2TX
Setting 27.5
04-L-K-4

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	62.43	74.00	-11.57	31.75	3	Vertical	133	1.86	-	27.48	3.20	-
AV	2.3398G	50.48	54.00	-3.52	19.88	3	Vertical	133	1.86	-	27.40	3.20	-
PK	2.4364G	126.07	Inf	-Inf	95.26	3	Vertical	133	1.86	-	27.57	3.24	-
AV	2.4364G	117.72	Inf	-Inf	86.91	3	Vertical	133	1.86	-	27.57	3.24	-
PK	2.4835G	61.24	74.00	-12.76	30.23	3	Vertical	133	1.86	-	27.73	3.28	-
AV	2.4835G	50.16	54.00	-3.84	19.15	3	Vertical	133	1.86	-	27.73	3.28	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/04/2021



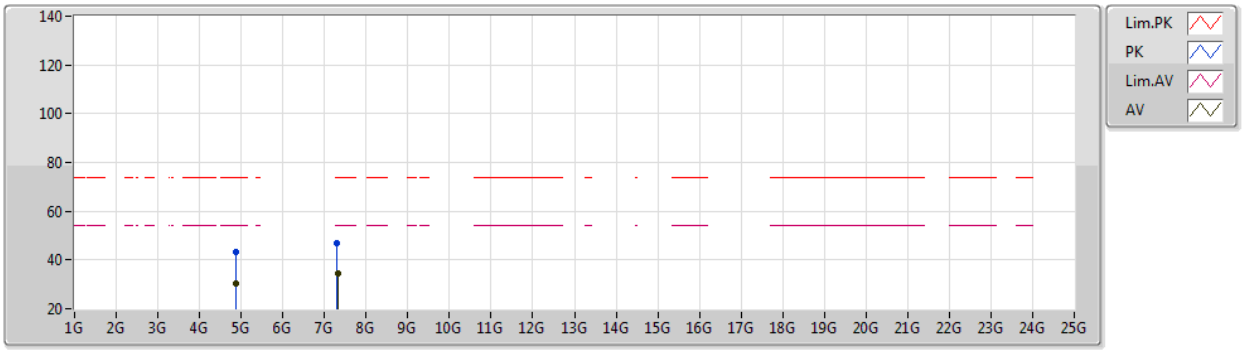
EUT Y_2TX
Setting 27.5
02-B-R-5

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	4.86758G	42.99	74.00	-31.01	37.14	3	Vertical	21	2.18	-	32.94	4.70	31.79
AV	4.87382G	30.65	54.00	-23.35	24.79	3	Vertical	21	2.18	-	32.95	4.70	31.79
PK	7.31628G	47.44	74.00	-26.56	37.68	3	Vertical	112	2.82	-	36.43	5.76	32.43
AV	7.32498G	34.24	54.00	-19.76	24.46	3	Vertical	112	2.82	-	36.45	5.76	32.43

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/04/2021



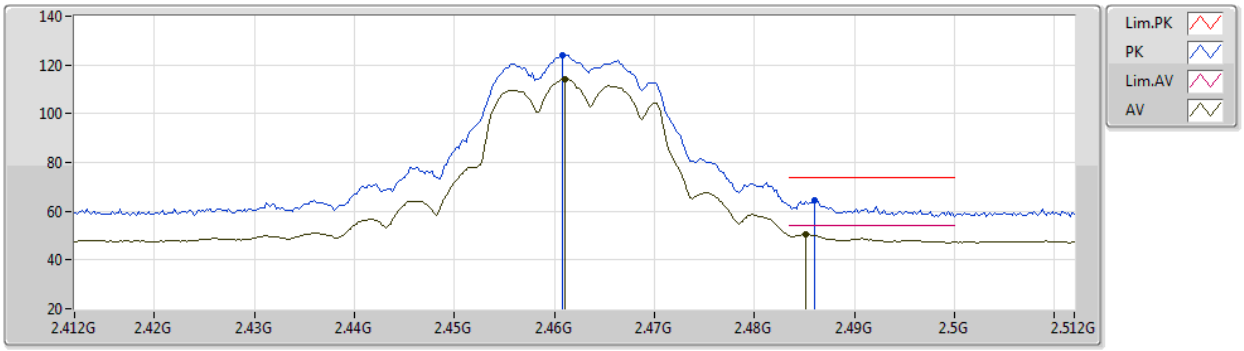
EUT Y_2TX
Setting 27.5
02-B-R-5

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	4.87004G	43.40	74.00	-30.60	37.55	3	Horizontal	32	2.42	-	32.94	4.70	31.79
AV	4.86452G	30.51	54.00	-23.49	24.67	3	Horizontal	32	2.42	-	32.93	4.70	31.79
PK	7.30974G	47.05	74.00	-26.95	37.30	3	Horizontal	273	1.55	-	36.42	5.75	32.42
AV	7.32504G	34.34	54.00	-19.66	24.56	3	Horizontal	273	1.55	-	36.45	5.76	32.43

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

22/04/2021



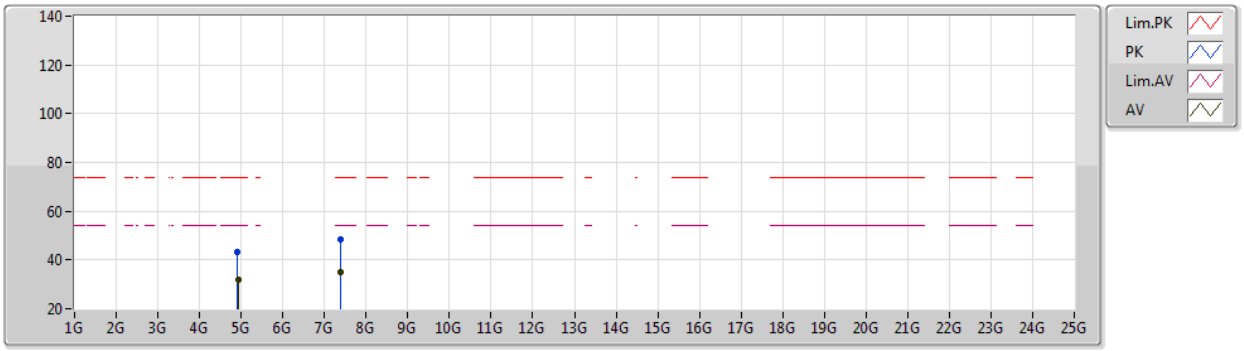
EUT Y_2TX
Setting 25.5
02-B-E-2

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	124.18	Inf	-Inf	94.27	3	Vertical	23	1.78	-	27.48	2.43	-
AV	2.461G	114.15	Inf	-Inf	84.24	3	Vertical	23	1.78	-	27.48	2.43	-
PK	2.486G	64.74	74.00	-9.26	34.87	3	Vertical	23	1.78	-	27.43	2.44	-
AV	2.4852G	50.46	54.00	-3.54	20.59	3	Vertical	23	1.78	-	27.43	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

22/04/2021



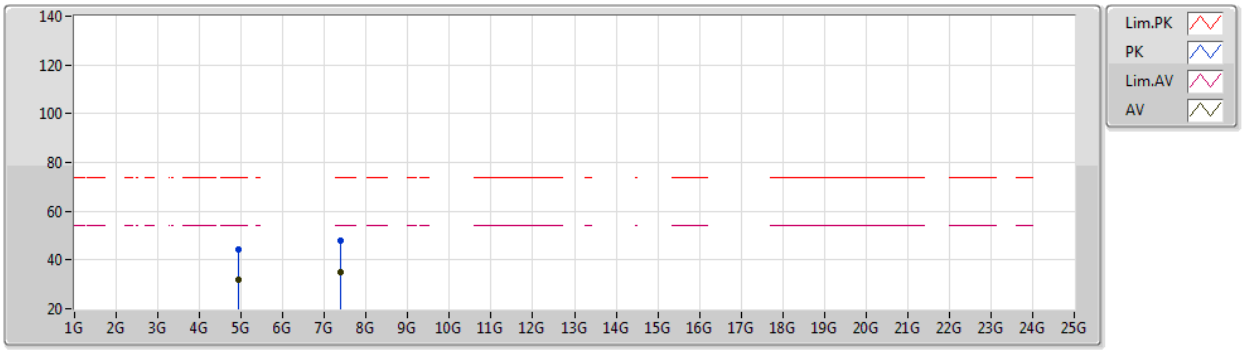
EUT Y_2TX
Setting 25.5
02-B-R-5

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	4.91656G	43.46	74.00	-30.54	37.47	3	Vertical	328	2.57	-	33.10	4.70	31.81
AV	4.92394G	31.78	54.00	-22.22	25.75	3	Vertical	328	2.57	-	33.14	4.70	31.81
PK	7.38006G	48.62	74.00	-25.38	38.72	3	Vertical	198	1.69	-	36.56	5.79	32.45
AV	7.38702G	34.84	54.00	-19.16	24.93	3	Vertical	198	1.69	-	36.57	5.79	32.45

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

22/04/2021



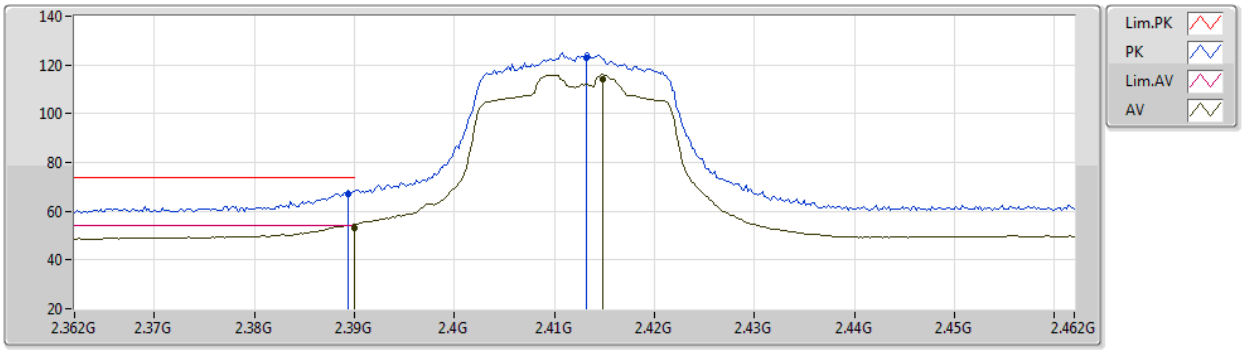
EUT Y_2TX
Setting 25.5
02-B-R-5

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	4.92466G	44.28	74.00	-29.72	38.24	3	Horizontal	249	2.40	-	33.15	4.70	31.81
AV	4.92406G	31.75	54.00	-22.25	25.72	3	Horizontal	249	2.40	-	33.14	4.70	31.81
PK	7.37772G	47.69	74.00	-26.31	37.79	3	Horizontal	92	2.70	-	36.56	5.79	32.45
AV	7.40034G	34.82	54.00	-19.18	24.88	3	Horizontal	92	2.70	-	36.60	5.80	32.46

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

22/04/2021



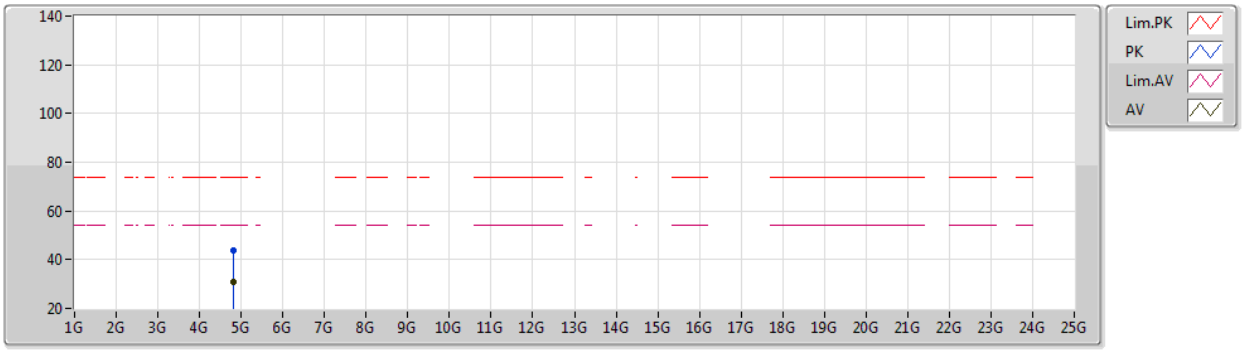
EUT Y_2TX
Setting 27
02-B-K-4

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	67.05	74.00	-6.95	37.00	3	Vertical	0	2.11	-	27.64	2.41	-
AV	2.39G	52.99	54.00	-1.01	22.94	3	Vertical	0	2.11	-	27.64	2.41	-
PK	2.4132G	123.10	Inf	-Inf	93.12	3	Vertical	0	2.11	-	27.57	2.41	-
AV	2.4148G	114.22	Inf	-Inf	84.24	3	Vertical	0	2.11	-	27.57	2.41	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

22/04/2021



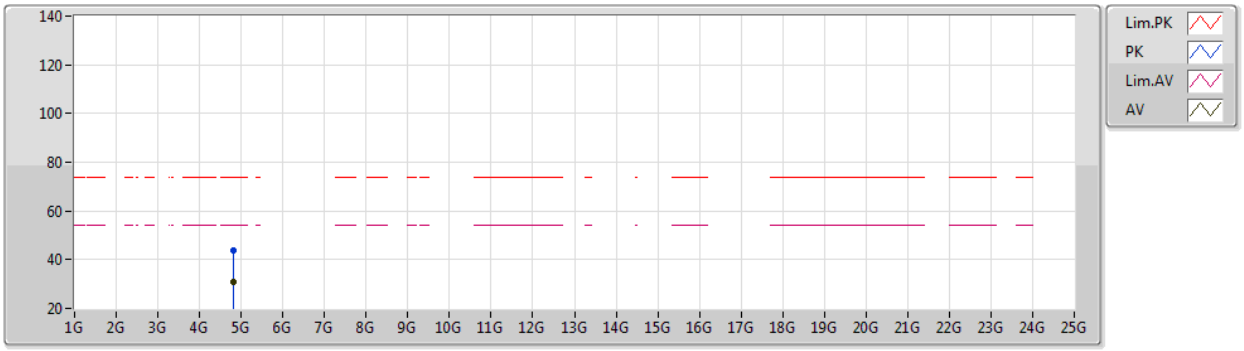
EUT Y_2TX
Setting 27
02-B-C-4

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	4.81848G	43.55	74.00	-30.45	37.85	3	Vertical	37	1.29	-	32.77	4.70	31.77
AV	4.81844G	30.76	54.00	-23.24	25.06	3	Vertical	37	1.29	-	32.77	4.70	31.77

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

22/04/2021



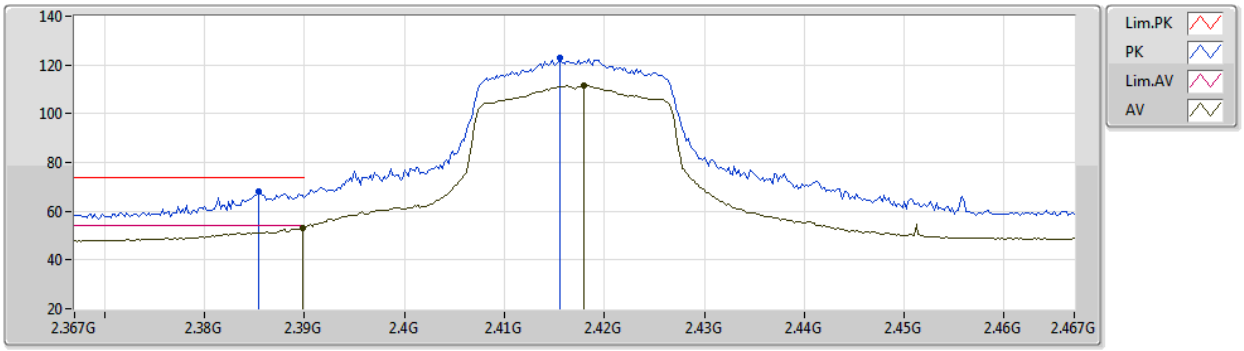
EUT Y_2TX
Setting 27
02-B-C-4

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	4.81446G	43.67	74.00	-30.33	37.98	3	Horizontal	120	1.73	-	32.76	4.70	31.77
AV	4.81546G	30.86	54.00	-23.14	25.17	3	Horizontal	120	1.73	-	32.76	4.70	31.77

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

22/04/2021



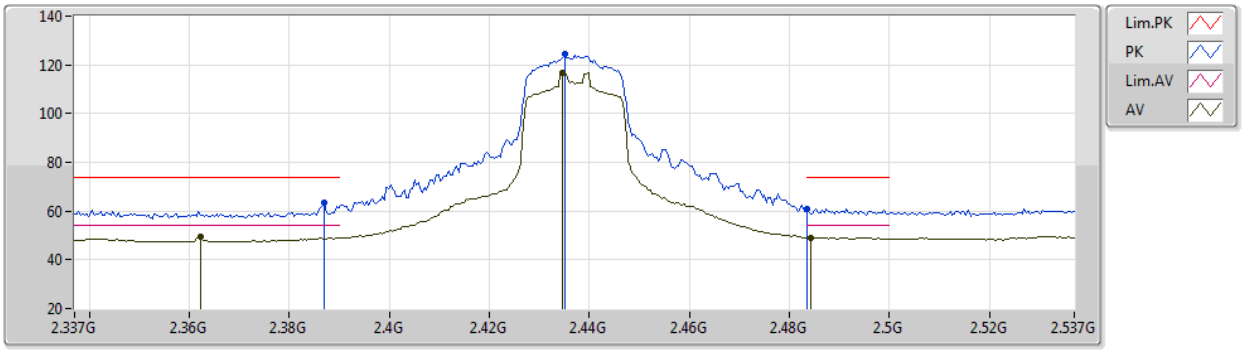
EUT Y_2TX
Setting 28
04-L-K-4

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	2.3854G	67.95	74.00	-6.05	37.28	3	Vertical	44	1.80	-	27.47	3.20	-
AV	2.3898G	52.98	54.00	-1.02	22.30	3	Vertical	44	1.80	-	27.48	3.20	-
PK	2.4156G	123.05	Inf	-Inf	92.30	3	Vertical	44	1.80	-	27.53	3.22	-
AV	2.418G	111.69	Inf	-Inf	80.93	3	Vertical	44	1.80	-	27.54	3.22	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

22/04/2021



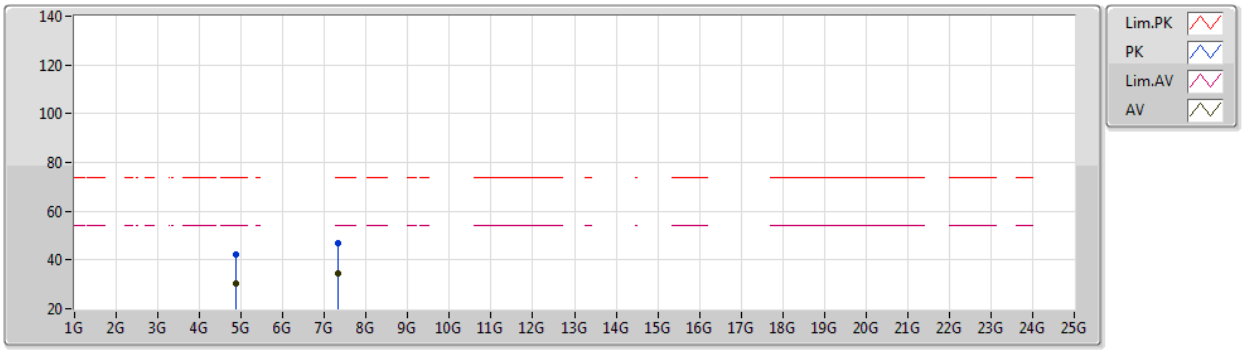
EUT Y_2TX
Setting 30
02-L-K-4

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	2.387G	63.31	74.00	-10.69	32.64	3	Vertical	139	1.92	-	27.47	3.20	-
AV	2.3622G	49.57	54.00	-4.43	18.95	3	Vertical	139	1.92	-	27.42	3.20	-
PK	2.435G	124.46	Inf	-Inf	93.65	3	Vertical	139	1.92	-	27.57	3.24	-
AV	2.4346G	116.89	Inf	-Inf	86.09	3	Vertical	139	1.92	-	27.57	3.23	-
PK	2.4835G	61.08	74.00	-12.92	30.07	3	Vertical	139	1.92	-	27.73	3.28	-
AV	2.4842G	49.19	54.00	-4.81	18.17	3	Vertical	139	1.92	-	27.74	3.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

22/04/2021



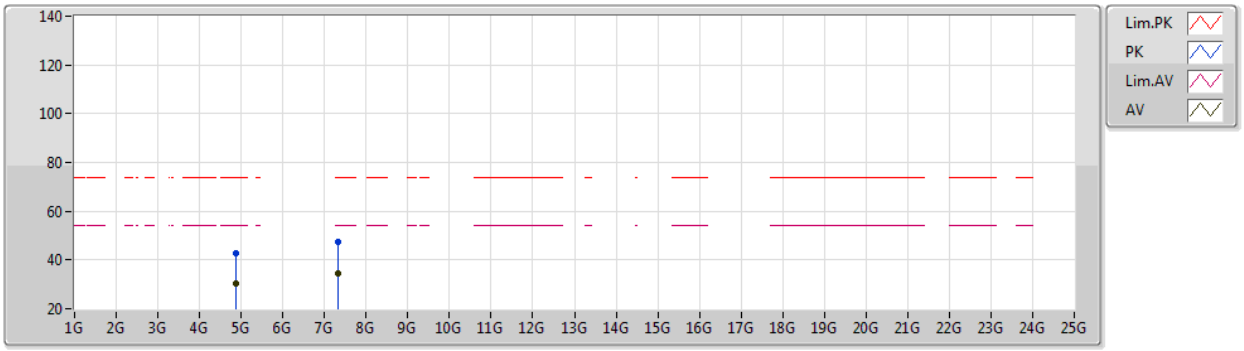
EUT Y_2TX
Setting 30
02-L-C-4

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	4.88384G	42.38	74.00	-31.62	36.51	3	Vertical	263	2.76	-	32.97	4.70	31.80
AV	4.8845G	30.40	54.00	-23.60	24.53	3	Vertical	263	2.76	-	32.97	4.70	31.80
PK	7.3185G	47.03	74.00	-26.97	37.26	3	Vertical	307	2.30	-	36.44	5.76	32.43
AV	7.31552G	34.31	54.00	-19.69	24.55	3	Vertical	307	2.30	-	36.43	5.76	32.43

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

22/04/2021



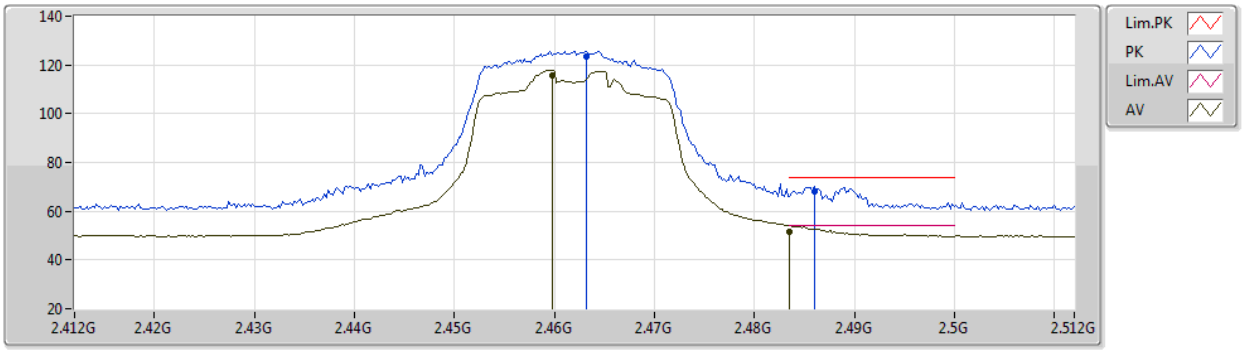
EUT Y_2TX
Setting 30
02-L-C-4

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	4.88096G	42.98	74.00	-31.02	37.12	3	Horizontal	126	1.33	-	32.96	4.70	31.80
AV	4.88522G	30.29	54.00	-23.71	24.42	3	Horizontal	126	1.33	-	32.97	4.70	31.80
PK	7.3158G	47.66	74.00	-26.34	37.90	3	Horizontal	131	2.94	-	36.43	5.76	32.43
AV	7.31324G	34.31	54.00	-19.69	24.55	3	Horizontal	131	2.94	-	36.43	5.76	32.43

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

22/04/2021



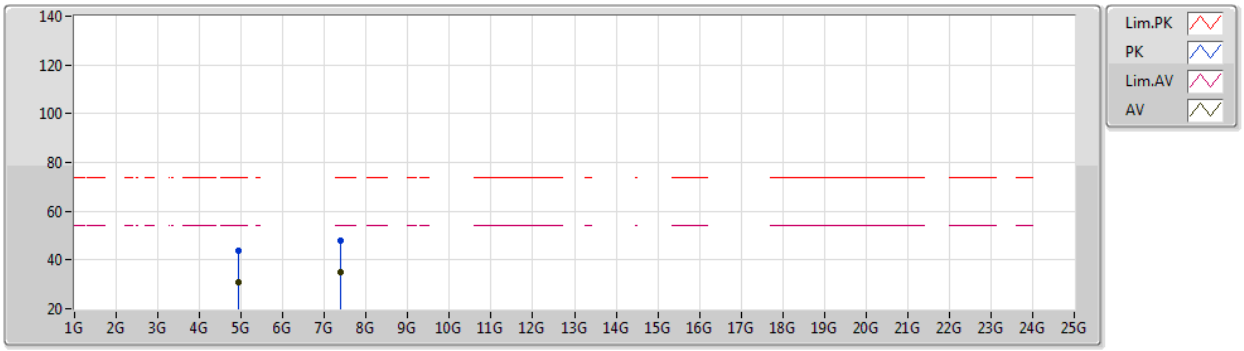
EUT Y_2TX
Setting 28
02-B-K-4

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	123.45	Inf	-Inf	93.55	3	Vertical	177	2.08	-	27.47	2.43	-
AV	2.4598G	115.61	Inf	-Inf	85.70	3	Vertical	177	2.08	-	27.48	2.43	-
PK	2.486G	67.87	74.00	-6.13	38.00	3	Vertical	177	2.08	-	27.43	2.44	-
AV	2.4835G	51.80	54.00	-2.20	21.93	3	Vertical	177	2.08	-	27.43	2.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

22/04/2021



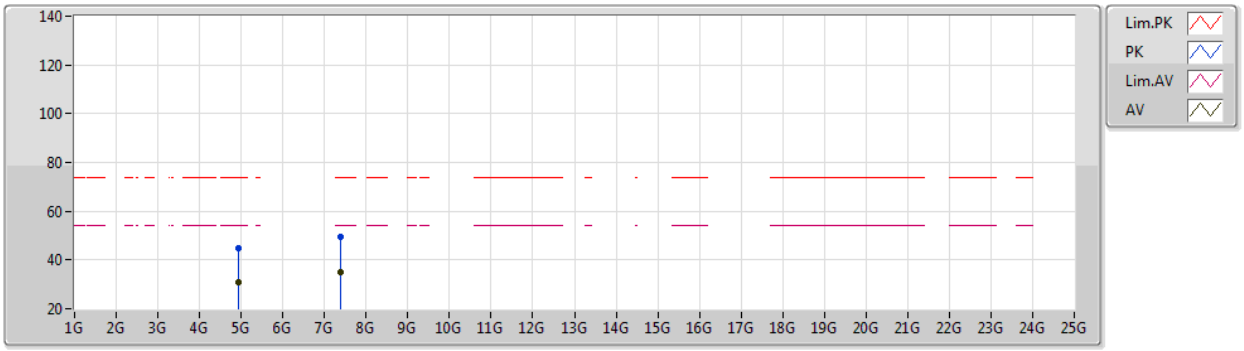
EUT Y_2TX
Setting 28
02-B-C-4

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	4.9345G	43.95	74.00	-30.05	37.86	3	Vertical	41	1.01	-	33.21	4.70	31.82
AV	4.92418G	31.02	54.00	-22.98	24.98	3	Vertical	41	1.01	-	33.15	4.70	31.81
PK	7.37424G	48.14	74.00	-25.86	38.25	3	Vertical	68	1.73	-	36.55	5.79	32.45
AV	7.39806G	34.99	54.00	-19.01	25.05	3	Vertical	68	1.73	-	36.60	5.80	32.46

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

22/04/2021



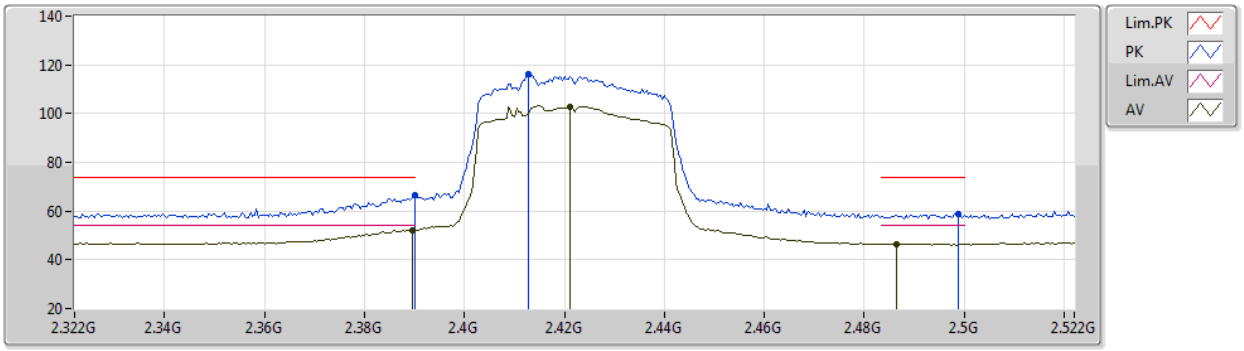
EUT Y_2TX
Setting 28
02-B-C-4

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	4.92976G	44.66	74.00	-29.34	38.59	3	Horizontal	84	1.33	-	33.18	4.70	31.81
AV	4.92658G	30.93	54.00	-23.07	24.88	3	Horizontal	84	1.33	-	33.16	4.70	31.81
PK	7.3866G	49.36	74.00	-24.64	39.45	3	Horizontal	278	2.36	-	36.57	5.79	32.45
AV	7.37916G	34.97	54.00	-19.03	25.07	3	Horizontal	278	2.36	-	36.56	5.79	32.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

22/04/2021



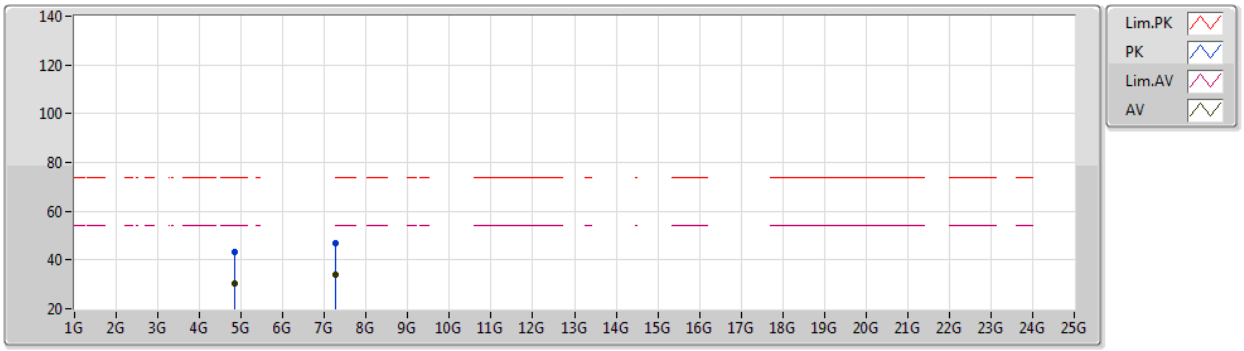
EUT Y_2TX
Setting 24
02-B-E-2

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	66.38	74.00	-7.62	36.33	3	Vertical	343	1.80	-	27.64	2.41	-
AV	2.3896G	52.14	54.00	-1.86	22.09	3	Vertical	343	1.80	-	27.64	2.41	-
PK	2.4128G	116.36	Inf	-Inf	86.38	3	Vertical	343	1.80	-	27.57	2.41	-
PK	2.4988G	58.59	74.00	-15.41	28.74	3	Vertical	343	1.80	-	27.40	2.45	-
AV	2.4864G	46.53	54.00	-7.47	16.66	3	Vertical	343	1.80	-	27.43	2.44	-
AV	2.4212G	102.76	Inf	-Inf	72.79	3	Vertical	343	1.80	-	27.56	2.41	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

22/04/2021



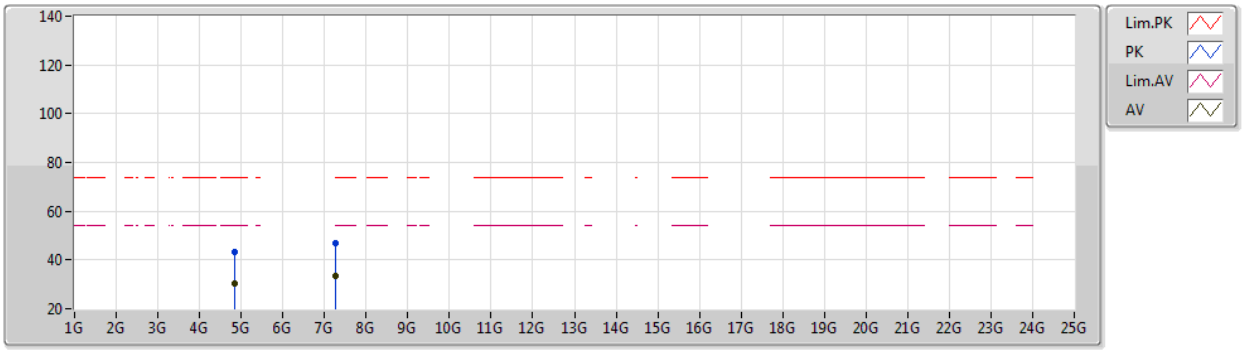
EUT Y_2TX
Setting 24
02-B-C-4

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	4.85066G	43.11	74.00	-30.89	37.30	3	Vertical	132	2.99	-	32.90	4.70	31.79
AV	4.83206G	30.22	54.00	-23.78	24.47	3	Vertical	132	2.99	-	32.83	4.70	31.78
PK	7.26174G	46.68	74.00	-27.32	37.18	3	Vertical	143	1.68	-	36.17	5.73	32.40
AV	7.26726G	33.81	54.00	-20.19	24.29	3	Vertical	143	1.68	-	36.20	5.73	32.41

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

22/04/2021



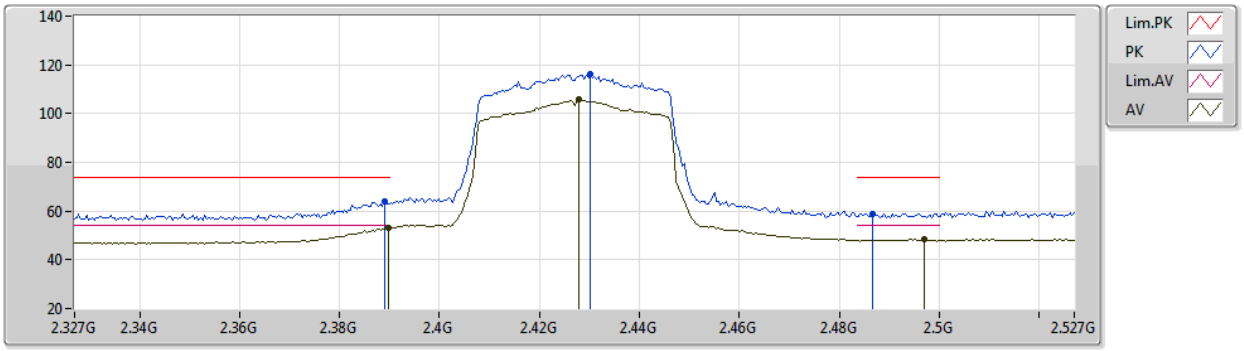
EUT Y_2TX
Setting 24
02-B-C-4

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	4.8362G	43.20	74.00	-30.80	37.44	3	Horizontal	15	1.17	-	32.84	4.70	31.78
AV	4.8353G	30.35	54.00	-23.65	24.59	3	Horizontal	15	1.17	-	32.84	4.70	31.78
PK	7.26336G	47.10	74.00	-26.90	37.60	3	Horizontal	189	2.70	-	36.18	5.73	32.41
AV	7.2762G	33.59	54.00	-20.41	24.00	3	Horizontal	189	2.70	-	36.26	5.74	32.41

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2427MHz_TX

22/04/2021



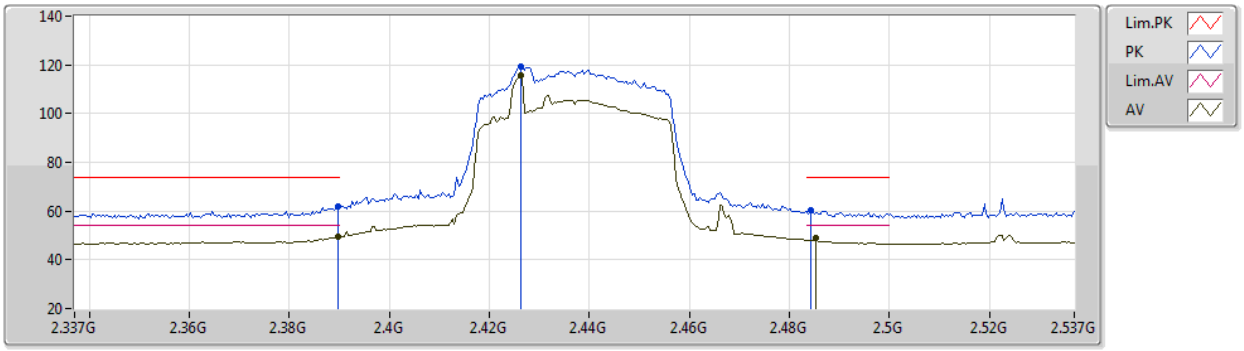
EUT Y_2TX
Setting 24
04-L-K-4

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	64.12	74.00	-9.88	33.44	3	Vertical	140	1.93	-	27.48	3.20	-
AV	2.3898G	52.96	54.00	-1.04	22.28	3	Vertical	140	1.93	-	27.48	3.20	-
PK	2.4302G	116.16	Inf	-Inf	85.37	3	Vertical	140	1.93	-	27.56	3.23	-
AV	2.4278G	105.69	Inf	-Inf	74.90	3	Vertical	140	1.93	-	27.56	3.23	-
PK	2.4866G	58.78	74.00	-15.22	27.74	3	Vertical	140	1.93	-	27.75	3.29	-
AV	2.497G	48.38	54.00	-5.62	17.29	3	Vertical	140	1.93	-	27.79	3.30	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

22/04/2021



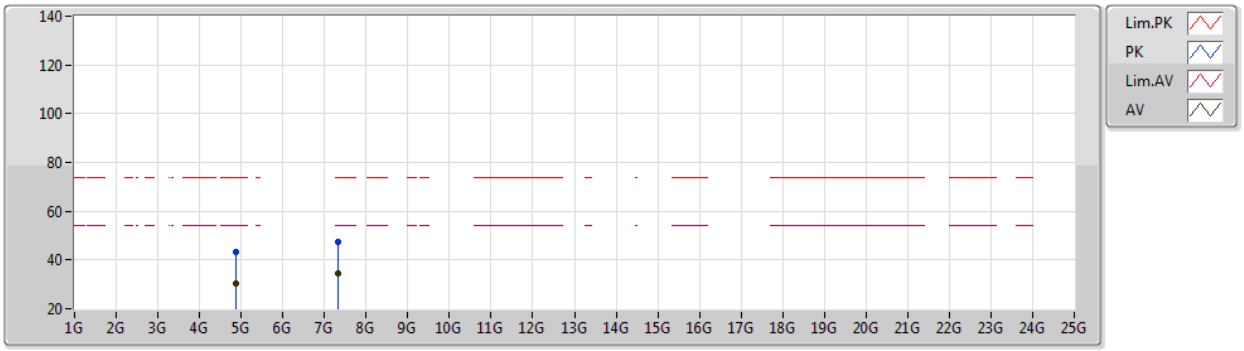
EUT Y_2TX
Setting 28
02-B-K-4

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	2.3898G	61.84	74.00	-12.16	31.79	3	Vertical	39	1.69	-	27.64	2.41	-
AV	2.3898G	49.25	54.00	-4.75	19.20	3	Vertical	39	1.69	-	27.64	2.41	-
PK	2.4262G	119.43	Inf	-Inf	89.47	3	Vertical	39	1.69	-	27.55	2.41	-
AV	2.4262G	115.93	Inf	-Inf	85.97	3	Vertical	39	1.69	-	27.55	2.41	-
PK	2.4842G	60.12	74.00	-13.88	30.25	3	Vertical	39	1.69	-	27.43	2.44	-
AV	2.4854G	49.07	54.00	-4.93	19.20	3	Vertical	39	1.69	-	27.43	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

22/04/2021



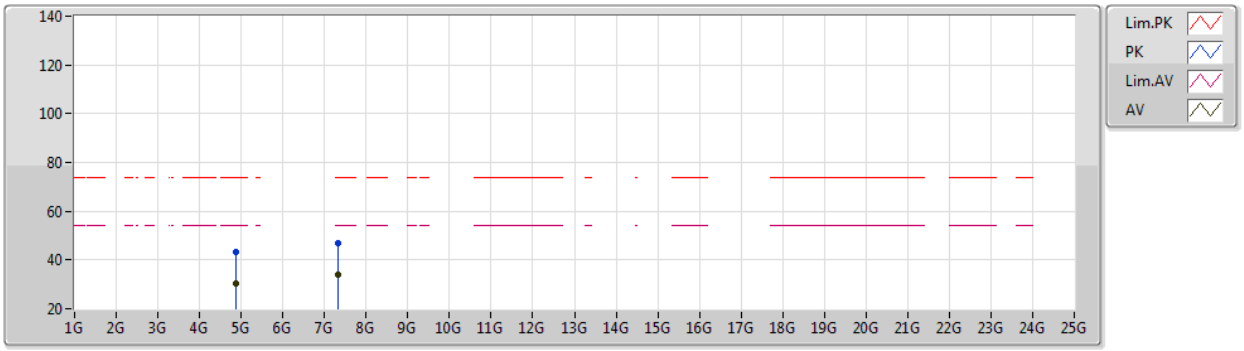
EUT Y_2TX
Setting 28
02-B-C-4

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	4.8749G	43.28	74.00	-30.72	37.42	3	Vertical	158	2.36	-	32.95	4.70	31.79
AV	4.87646G	30.27	54.00	-23.73	24.42	3	Vertical	158	2.36	-	32.95	4.70	31.80
PK	7.32156G	47.49	74.00	-26.51	37.72	3	Vertical	46	2.53	-	36.44	5.76	32.43
AV	7.32104G	34.27	54.00	-19.73	24.50	3	Vertical	46	2.53	-	36.44	5.76	32.43

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

22/04/2021



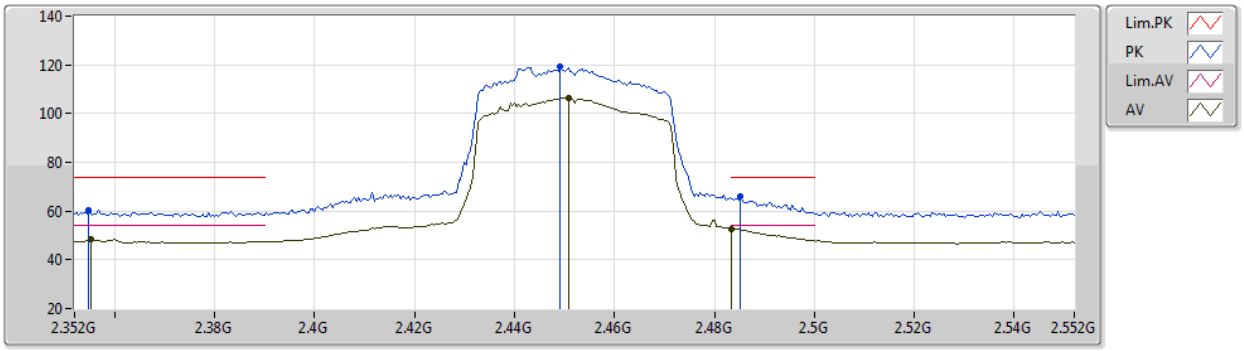
EUT Y_2TX
Setting 28
02-B-C-4

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	4.88822G	43.45	74.00	-30.55	37.57	3	Horizontal	94	1.54	-	32.98	4.70	31.80
AV	4.8851G	30.22	54.00	-23.78	24.35	3	Horizontal	94	1.54	-	32.97	4.70	31.80
PK	7.31454G	47.00	74.00	-27.00	37.24	3	Horizontal	80	1.27	-	36.43	5.76	32.43
AV	7.31856G	34.16	54.00	-19.84	24.39	3	Horizontal	80	1.27	-	36.44	5.76	32.43

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

22/04/2021



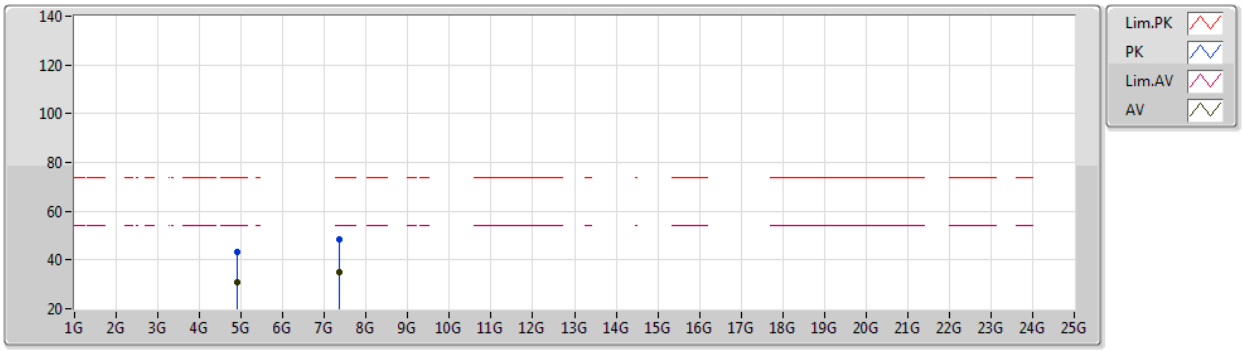
EUT Y_2TX
Setting 26
02-B-E-2

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	2.3548G	60.32	74.00	-13.68	30.12	3	Vertical	355	1.80	-	27.78	2.42	-
AV	2.3552G	48.36	54.00	-5.64	18.16	3	Vertical	355	1.80	-	27.78	2.42	-
PK	2.4492G	119.55	Inf	-Inf	89.63	3	Vertical	355	1.80	-	27.50	2.42	-
AV	2.4508G	106.57	Inf	-Inf	76.64	3	Vertical	355	1.80	-	27.50	2.43	-
PK	2.4852G	66.04	74.00	-7.96	36.17	3	Vertical	355	1.80	-	27.43	2.44	-
AV	2.4835G	52.73	54.00	-1.27	22.86	3	Vertical	355	1.80	-	27.43	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

22/04/2021



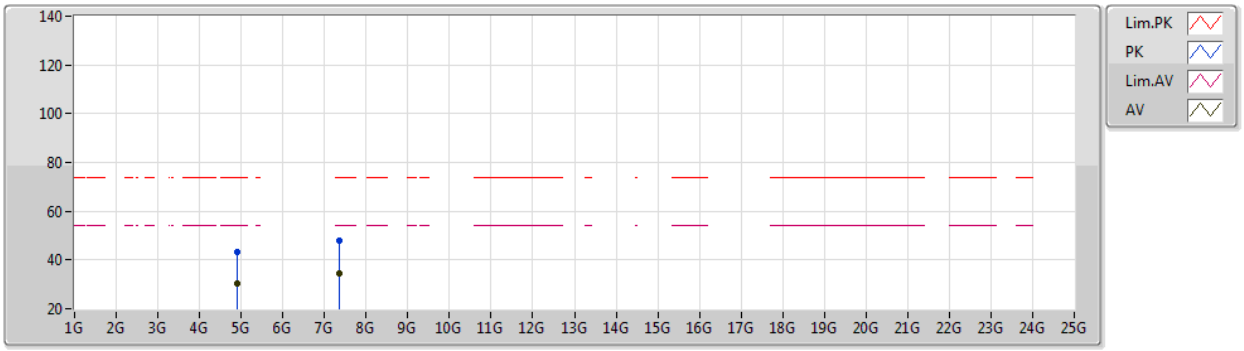
EUT Y_2TX
Setting 26
02-B-C-4

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	4.89428G	43.34	74.00	-30.66	37.45	3	Vertical	290	2.71	-	32.99	4.70	31.80
AV	4.89612G	30.69	54.00	-23.31	24.80	3	Vertical	290	2.71	-	32.99	4.70	31.80
PK	7.34808G	48.45	74.00	-25.55	38.62	3	Vertical	320	2.98	-	36.50	5.77	32.44
AV	7.36086G	34.88	54.00	-19.12	25.02	3	Vertical	320	2.98	-	36.52	5.78	32.44

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

22/04/2021



EUT Y_2TX
Setting 26
02-B-C-4

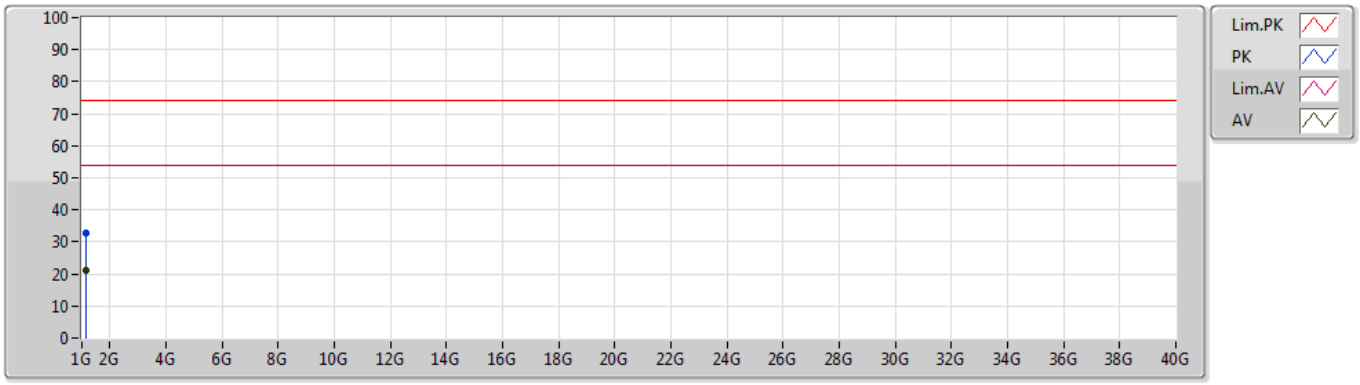
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90178G	43.17	74.00	-30.83	37.26	3	Horizontal	109	2.55	-	33.01	4.70	31.80
AV	4.91552G	30.43	54.00	-23.57	24.45	3	Horizontal	109	2.55	-	33.09	4.70	31.81
PK	7.34946G	48.01	74.00	-25.99	38.18	3	Horizontal	32	1.77	-	36.50	5.77	32.44
AV	7.34838G	34.67	54.00	-19.33	24.84	3	Horizontal	32	1.77	-	36.50	5.77	32.44

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.15087G	21.08	54.00	-32.92	Horizontal

Mode 1

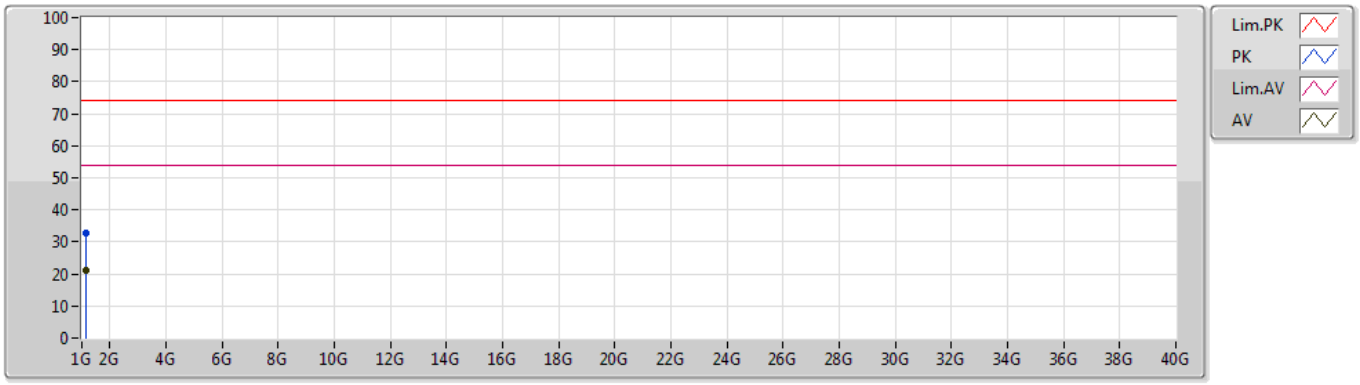
24/05/2021



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)	(dB)	(dB)	(dB)
PK	1.15039G	32.57	74.00	-41.43	-8.62	3	Vertical	259	2.12	-	41.19	25.20	2.73	36.55
AV	1.15088G	20.94	54.00	-33.06	-8.62	3	Vertical	259	2.12	"Worst"	29.56	25.20	2.73	36.55

Mode 1

24/05/2021

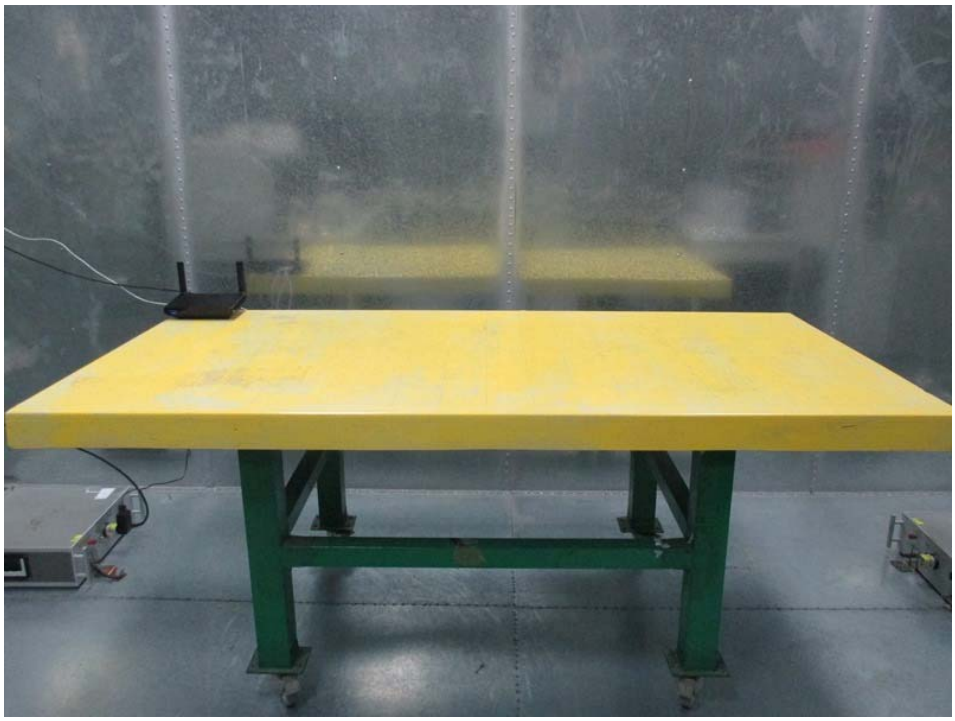


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.15071G	32.56	74.00	-41.44	-8.62	3	Horizontal	221	1.73	-	41.18	25.20	2.73	36.55
AV	1.15087G	21.08	54.00	-32.92	-8.62	3	Horizontal	221	1.73	"Worst"	29.70	25.20	2.73	36.55

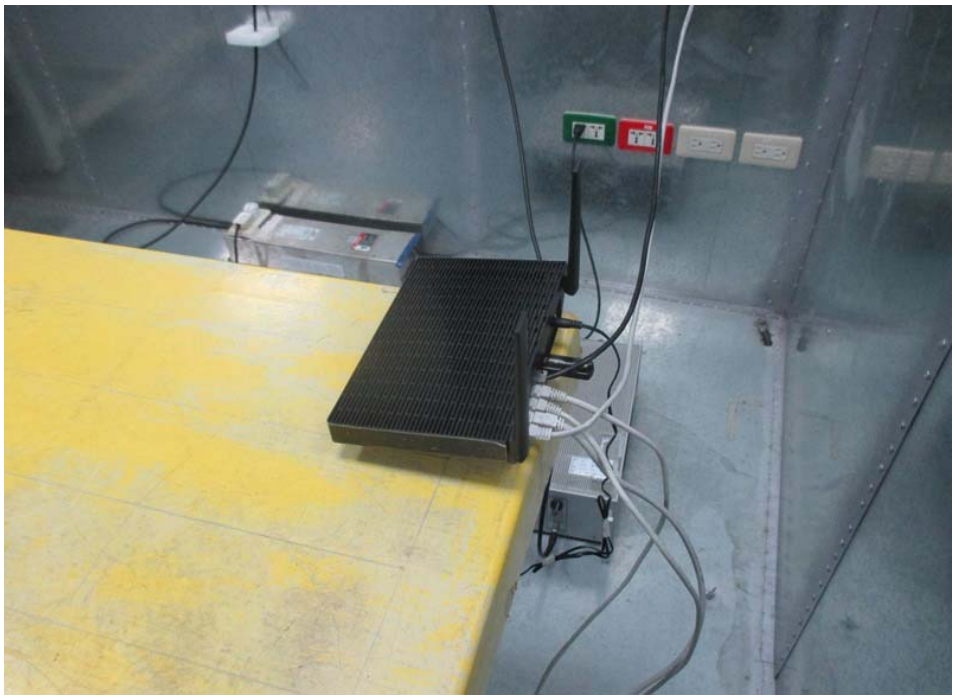
1. Photographs of Conducted Emissions Test Configuration

Test Mode: Mode 2

FRONT VIEW



REAR VIEW



2. Photographs of Radiated Emissions Test Configuration

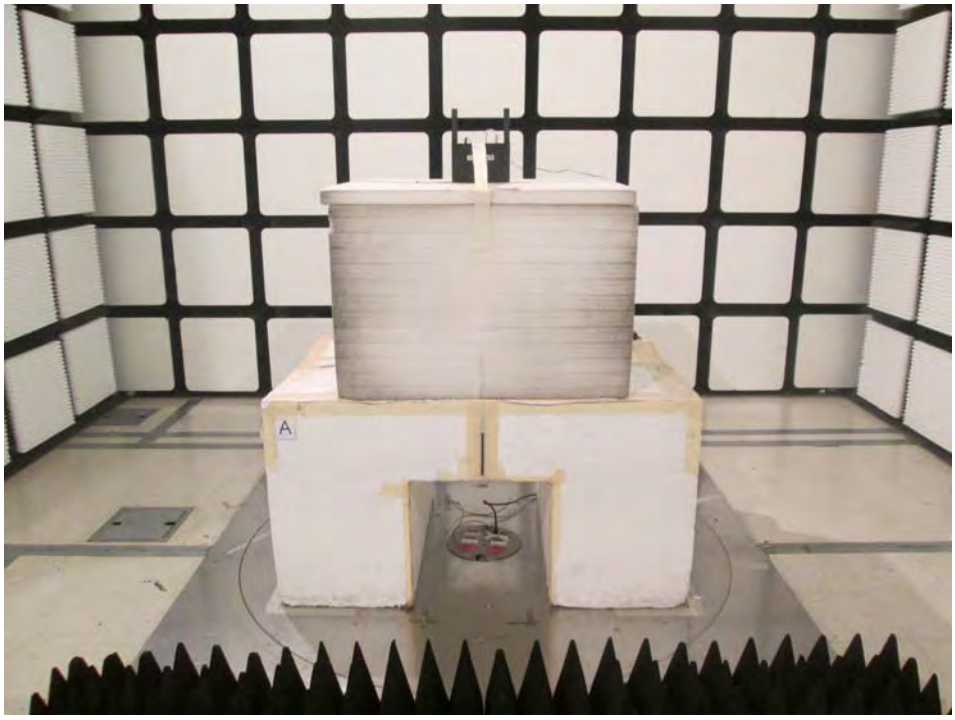
Test Configuration: 30MHz~1GHz / Test Mode: Mode 3

FRONT VIEW

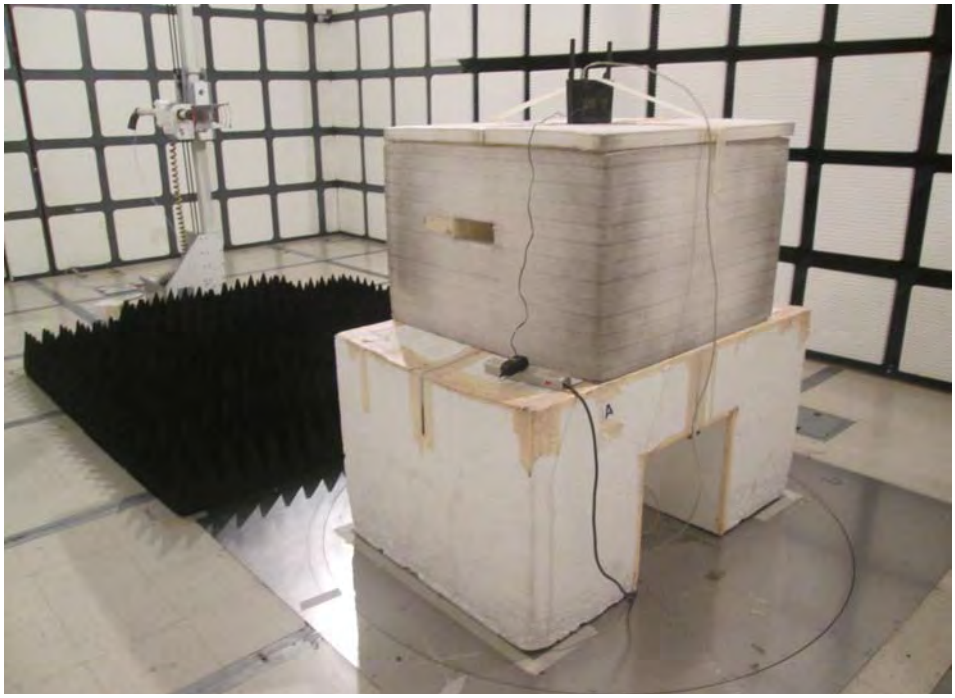
REAR VIEW

Test Configuration: Above 1GHz

FRONT VIEW



REAR VIEW



THE END