Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	2AHBN-AP34
Equipment	:	802.11ax 6E Wireless Access Point
Brand Name	:	Juniper
Model Name	:	AP34
Applicant	:	Juniper Networks, Inc. 1133 Innovation Way Sunnyvale, California 94089 USA
Manufacturer	:	Juniper Networks, Inc. 1133 Innovation Way Sunnyvale, California 94089 USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Mar. 22, 2022, and testing was started from Mar. 26, 2022 and completed on Jun. 23, 2022. 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
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History of this test report

Report No.	Version	Description	Issued Date
FR231832AB	01	Initial issue of report	Jul. 12, 2022
FR231832AB	02	Revising the description of radio 1 in section 1.1.2	Jul. 20, 2022

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:
1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to report "Measurement Uncertainty".
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]

For Radio 2

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	VHT20	20	2TX
2.4-2.4835GHz	VHT20-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	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

For scanning radio 4

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	VHT20	20	1TX
2.4-2.4835GHz	802.11ax HEW20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX
2.4-2.4835GHz	VHT40	40	1TX
2.4-2.4835GHz	802.11ax HEW40	40	1TX

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 Name	Model Name	Ant. Type	Connector	Gain (dBi)
	WLAN 5GHz (Radio 1)	WLAN 2.4GHz (Radio 2)	WLAN 6GHz (Radio 3)	WLAN 2.4GHz (Radio 4)	WLAN 5GHz (Radio 4)	WLAN 6GHz (Radio 4)	BT (Radio 5)					
1	2	1	-	-	-		-	Juniper	AP34	PIFA	I-PEX	Note 2
2	1	2	-	-	-		-	Juniper	AP34	PIFA	I-PEX	
3	-	-	2	-	-		-	Juniper	AP34	PIFA	I-PEX	
4	-	-	1	-	-		-	Juniper	AP34	PIFA	I-PEX	
5	-	-	-	1	1	1	-	Juniper	AP34	PIFA	I-PEX	
6	-	-	-	-	-		1	Juniper	AP34	PIFA	N/A	

Note1: The above information was declared by manufacturer.

Note2:

Ant.	Gain (dBi)																		
	WLAN5GHz (Radio 1)				WLAN 2.4GHz (Radio 2)	WLAN 6GHz (Radio 3)				WLAN2.4GHz (Radio 4)	WLAN 5GHz (Radio 4)				WLAN 6GHz (Radio 4)				BT (Radio 5)
	UNII 1	UNII 2A	UNII 2C	UNII 3		UNII 5	UNII 6	UNII 7	UNII 8		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8	
1	2.4	2.13	2.25	2.02	2.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2.38	2.22	2.33	2.07	2.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	5.85	5.08	5.08	4.70	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	5.85	5.08	5.08	4.70	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	5.0	5.8	5.8	5.5	5.6	5.6	5.5	5.5	5.6	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6

Note3: WLAN 2.4GHz (Radio 2) and 5GHz (Radio 1): Maximum Directional Gain following KDB662911 D03. The antenna report is provided in the operational description for this application.

Note4: The antenna gain of Radio 3, Radio 4 and Radio 5 were declared by manufacturer.

Note5: **For Radio 2**

For 2.4GHz:

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

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

Port 1, Port 2 could transmit/receive simultaneously.

For Radio 1

For 5GHz UNII 1~3:

For IEEE 802.11a/n/ac/ax mode (2TX/2RX):

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

Port 1, Port 2 could transmit/receive simultaneously.

For Radio 3

For 6E UNII 5~8:

For IEEE 802.11ax mode (2TX/2RX):

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

Port 1, Port 2 could transmit/receive simultaneously.

For scanning Radio 4

For 2.4GHz, IEEE 802.11b/g/n/VHT/ax mode (1TX/1RX):

For 5GHz UNII 1~3, IEEE 802.11a/n/ac/ax mode (1TX/1RX):

For 6E UNII 5~8, IEEE 802.11ax mode (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

For Radio 5

Bluetooth (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

For Radio 2:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.936	0.29	12.42m	100
802.11g	0.948	0.23	2.068m	1k
802.11ax HEW20	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.968	0.14	782.5u	3k

For Radio 4:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.958	0.19	12.424m	100
802.11g	0.952	0.21	2.07m	1k
802.11ax HEW20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.965	0.15	781.25u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz of radio 2, n/ac/ax in 5GHz UNII 1~UNII 3 of radio 1 and ax in 6GHz UNII 5~UNII 8 of radio 3.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	accessMTool(version3.2.1.5)			

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio function

Radio 1	Radio 2	Radio 3	Radio 4 (Scanning)	Radio 5
(WLAN 5GHz UNII 1~3)	(WLAN 2.4GHz)	(WLAN 6GHz)	(WLAN 2.4GHz)	(Bluetooth)
			(WLAN 5GHz)	
			(WLAN 6GHz)	

Note: 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 D03 v01
- 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	TH02-CB	Brian Sun	21.7~22.8 / 66~71	Jun. 21, 2022
Radiated Emission below 1GHz and Radiated Emission Co-location	03CH05-CB	Eason Chen	24.4-25.5 / 55-58	Mar. 30, 2022~ Mar. 31, 2022
Radiated Emission above 1GHz	03CH06-CB (Radio 2)	Stim Sung	24.5-25.6 / 56-59	Jun. 17, 2022~ Jun. 23, 2022
	03CH02-CB (Radio 4)	Stim Sung	24.2-26.1 / 55-58	Mar. 26, 2022 ~ May 12, 2022
AC Conduction	CO01-CB	Joe Chu	20~22 / 60~62	Apr. 08, 2022

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)

For test date before Jun. 01, 2022

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
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%

For test date after May 31, 2022

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 2:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	84
2437MHz	94
2462MHz	84
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	70
2417MHz	75
2437MHz	84
2457MHz	75
2462MHz	72
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	72
2437MHz	74
2462MHz	73
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	72
2437MHz	74
2462MHz	73
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	59
2437MHz	61
2452MHz	60
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	59
2437MHz	61
2452MHz	60

For Radio 4:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	88
2437MHz	94
2462MHz	83
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	77
2417MHz	86
2437MHz	89
2457MHz	83
2462MHz	76
802.11ax HEW20_Nss1,(MCS0)_1TX	-
2412MHz	76
2437MHz	87
2457MHz	79
2462MHz	74
802.11ax HEW40_Nss1,(MCS0)_1TX	-
2422MHz	70
2437MHz	67
2452MHz	70

Note:
- 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.
- The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

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						
	EUT	Radio 1	Radio 2	Radio 3	Radio 4	Radio 5	Powered by
1	EUT	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
2	EUT	5GHz Full Band	2.4GHz	6GHz	5GHz	Bluetooth	PoE
3	EUT	5GHz Full Band	2.4GHz	6GHz	6GHz	Bluetooth	PoE
For operating mode 1 is the worst case and it was record in this test report.							

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT + Radio 2
2	EUT + Radio 4

The Worst Case Mode for Following Conformance Tests							
Tests Item	Emissions in Restricted Frequency Bands						
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.						
Operating Mode < 1GHz	Normal Link						
	EUT	Radio 1	Radio 2	Radio 3	Radio 4	Radio 5	Powered by
1	EUT in Z axis	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
2	EUT in Y axis	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
3	EUT in X axis	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~ 5 will follow this same test mode.							
4	EUT in Z axis	5GHz Full Band	2.4GHz	6GHz	5GHz	Bluetooth	PoE
5	EUT in Z axis	5GHz Full Band	2.4GHz	6GHz	6GHz	Bluetooth	*PoE*
For operating mode 1 is the worst case and it was record in this test report.							
Operating Mode > 1GHz	CTX						
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis. So the measurement will follow this same test configuration.						
1	EUT in X axis + Radio 2						
2	EUT in X axis + Radio 4						

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 X axis, Y axis and Z axis position from Radiated Emissions above 1GHz, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z axis + Radio 1 + Radio 2
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	Radio 1	Radio 2	Radio 3	Radio 4	Radio 5
1	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth
2	5GHz Full Band	2.4GHz	6GHz	5GHz	Bluetooth
3	5GHz Full Band	2.4GHz	6GHz	6GHz	Bluetooth
Refer to Sporton Test Report No.: FA231832 for Co-location RF Exposure Evaluation.					

Note: The PoE is for measurement only, would not be marketed.

PoE information as below:

Power	Brand	Model
PoE	PHIHONG	POE60U-1BT-5

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Bracket*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN PC	DELL	T3400	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	SCAN NB	DELL	E6430	N/A
E	Flash disk3.0	Transcend	JetFlash-700	N/A
F	PoE	PHIHONG	POE60U-1BT-5	N/A
G	6E NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN Notebook	DELL	E4300	N/A
B	5G NB	DELL	E4300	N/A
C	2.4G NB	DELL	E4300	N/A
D	6E NB	DELL	E4300	N/A
E	SCAN NB	DELL	E4300	N/A
F	Flash disk3.0	Silicon Power	B06	N/A
G	PoE	PHIHONG	POE60U-1BT-5	N/A

For Radiated (above 1GHz):

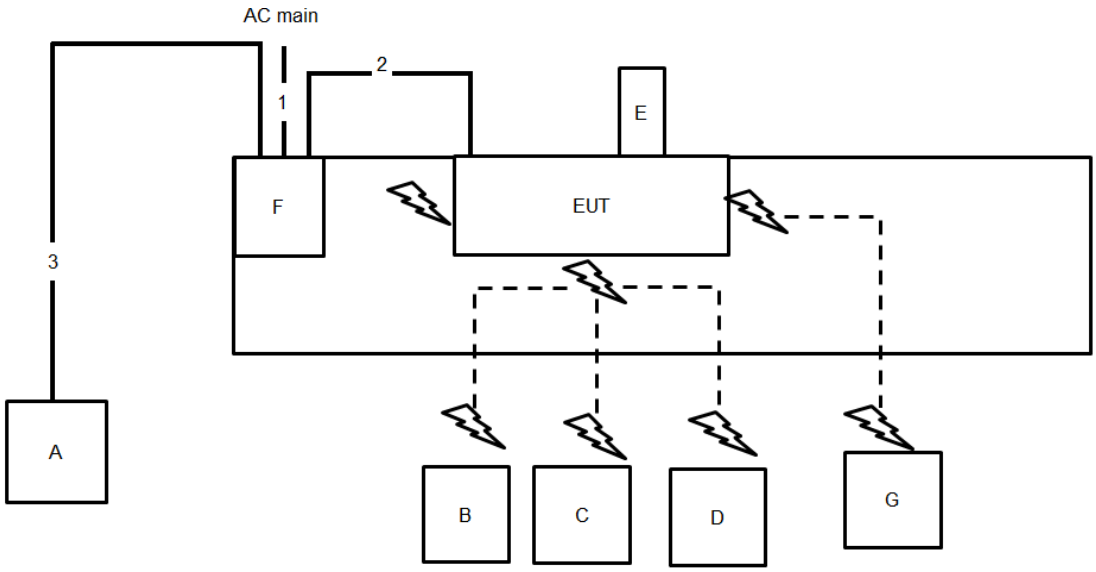
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	Microsemi	PD-9001-10GC/AC	N/A
B	Notebook	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE	PHIHONG	POE60U-1BT-X	N/A

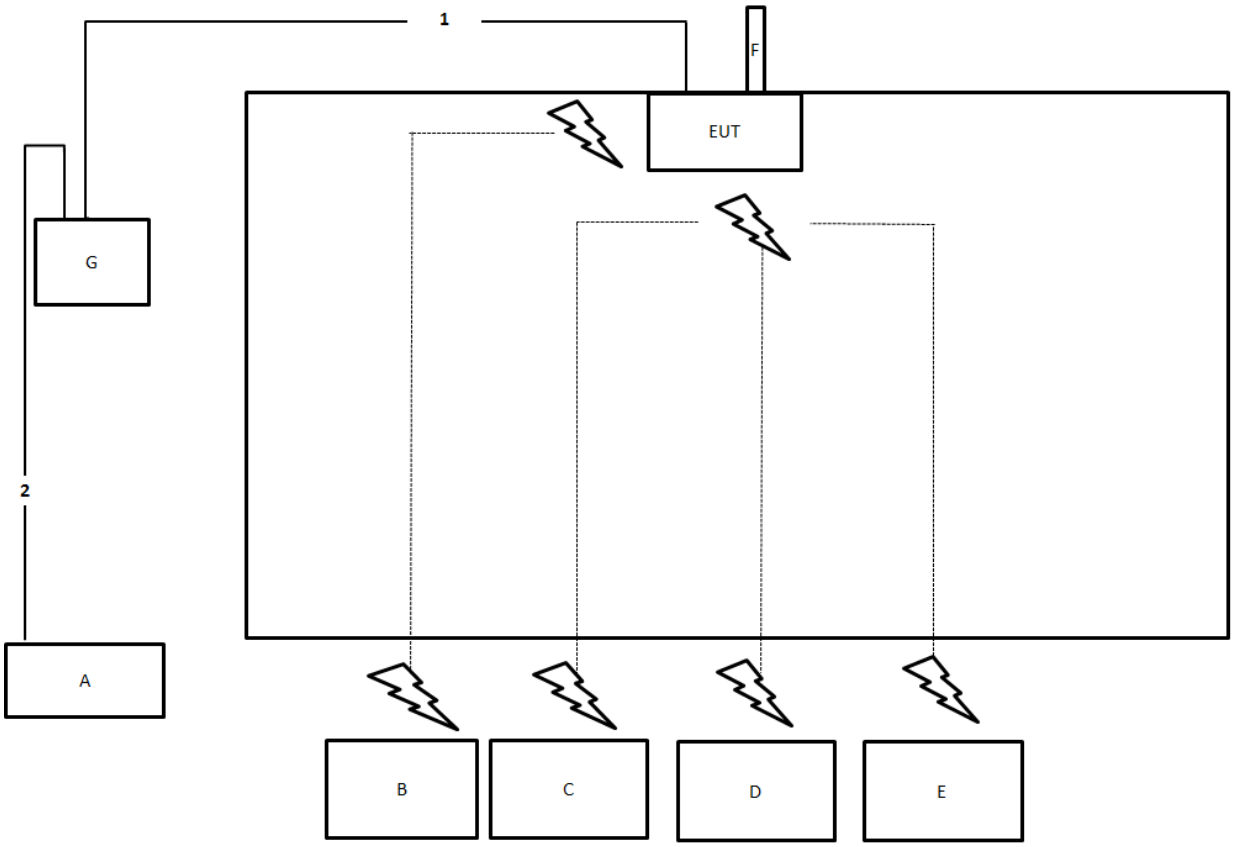
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



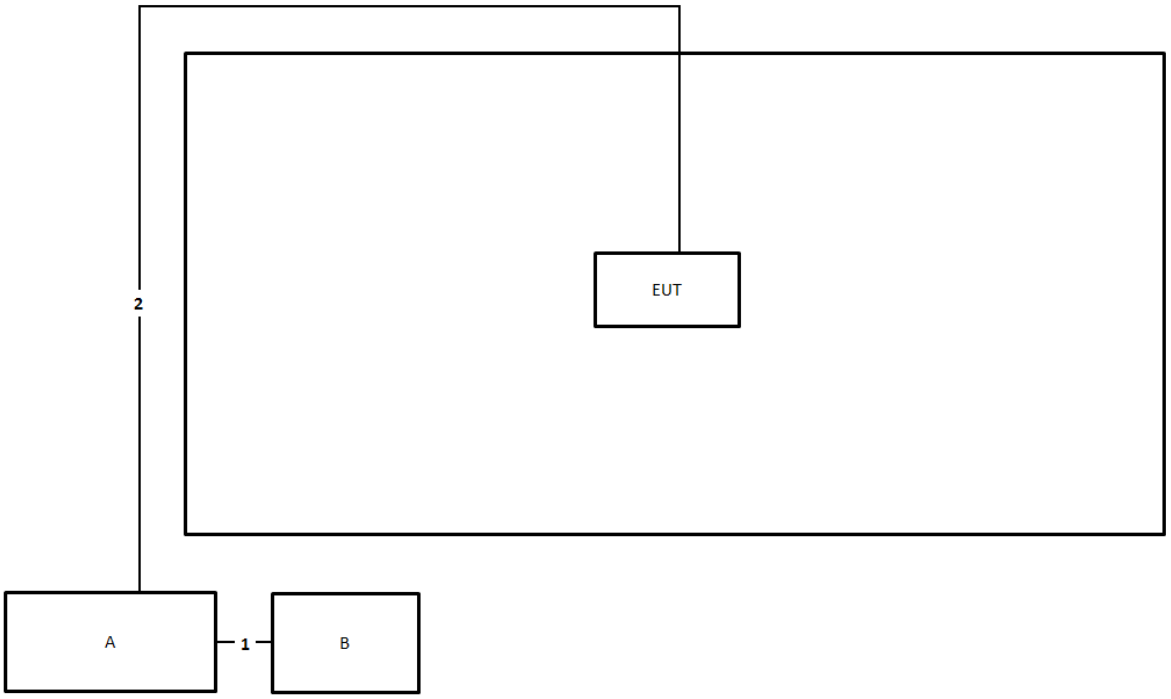
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

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

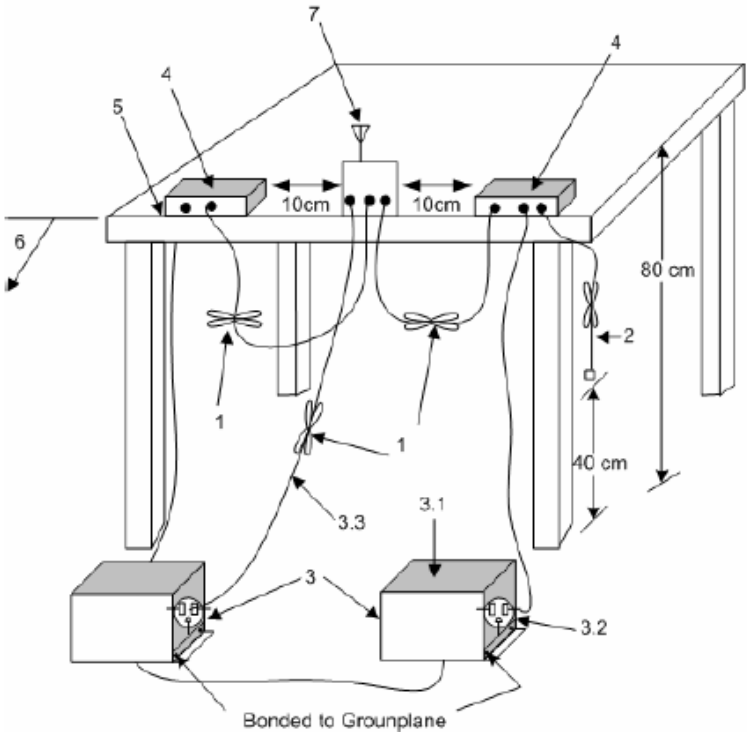
Refer a test equipment and calibration data table in this test report.

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.

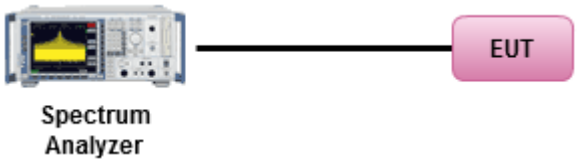
3.2.2 Measuring Instruments

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

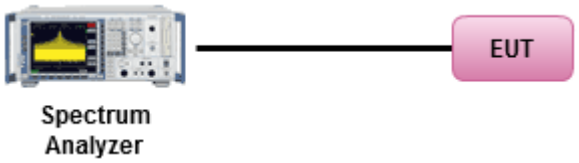
3.4.2 Measuring Instruments

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

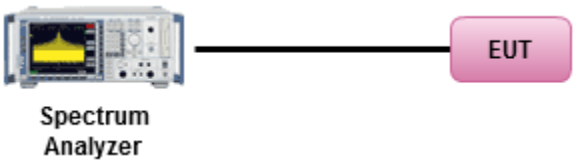
Refer a test equipment and calibration data table in this test report.

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.

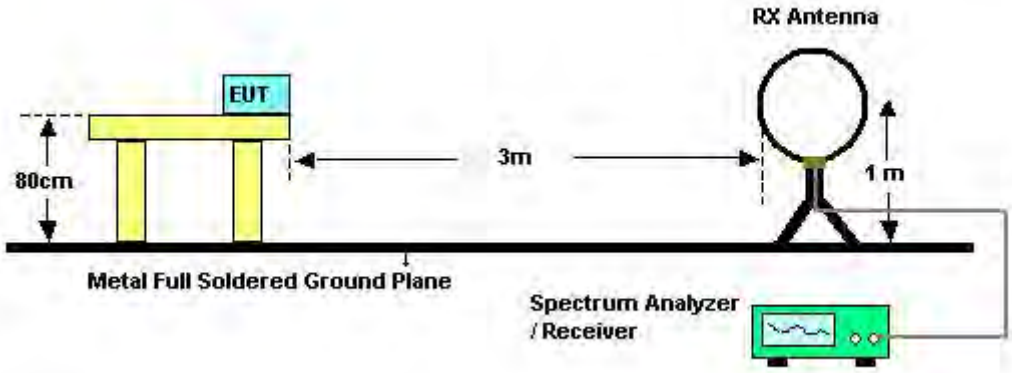
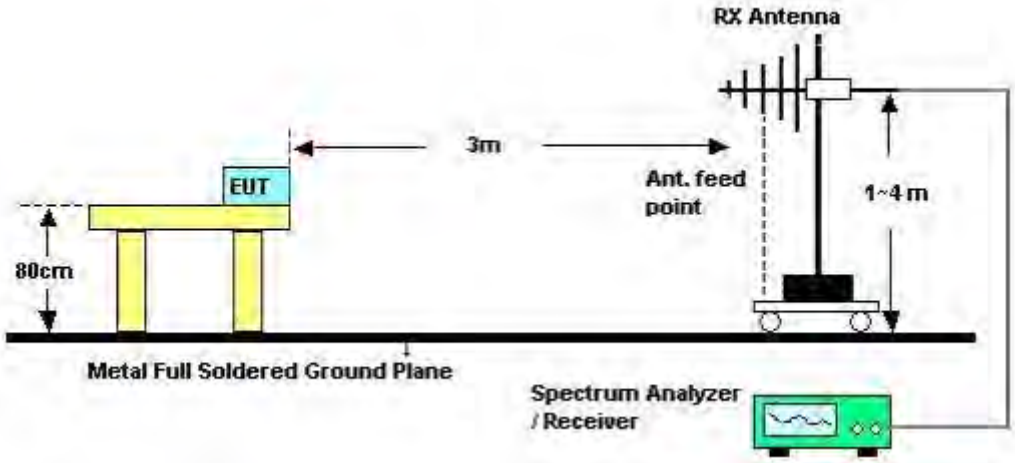
3.6.2 Measuring Instruments

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

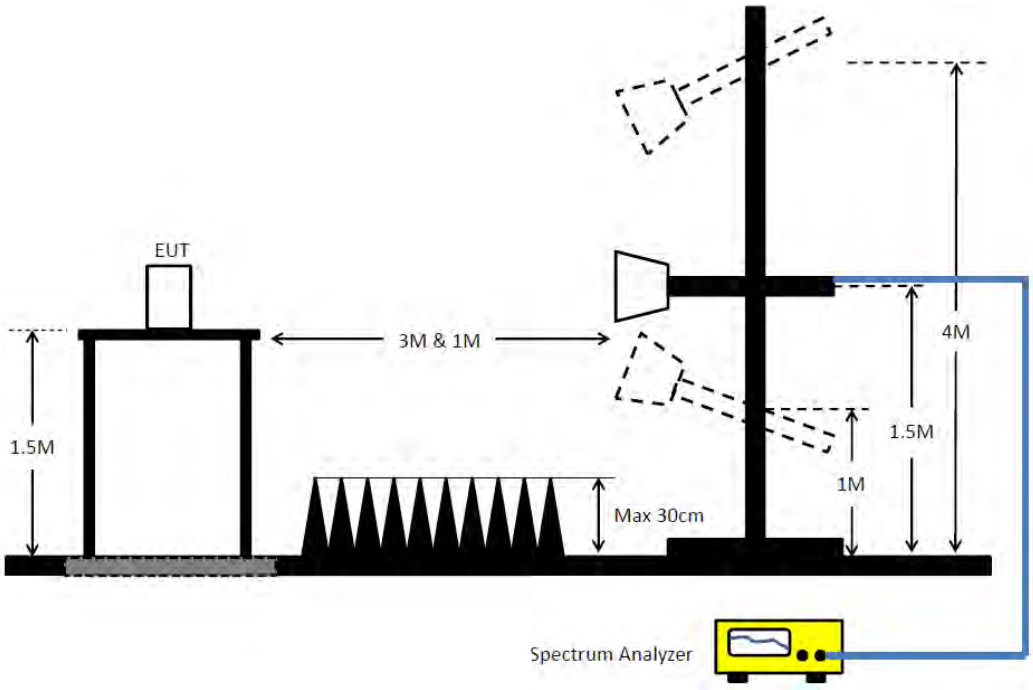
3.6.3 Test Procedures

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
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Jan. 07, 2022	Jan. 06, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 18, 2022	Mar. 17, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	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	Oct. 14, 2021	Oct. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	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. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	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	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 14, 2021	Sep. 13, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	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	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 04, 2021	Aug. 03, 2022	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	SGH5265	20211115-1	1GHz ~ 26.5GHz	Jan 19, 2022	Jan 18, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	SGH5265	20211115-1	1GHz ~ 26.5GHz	Jan 19, 2022	Jan 18, 2023	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH06-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 24, 2021	Dec. 23, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 02, 2021	Aug. 01, 2022	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

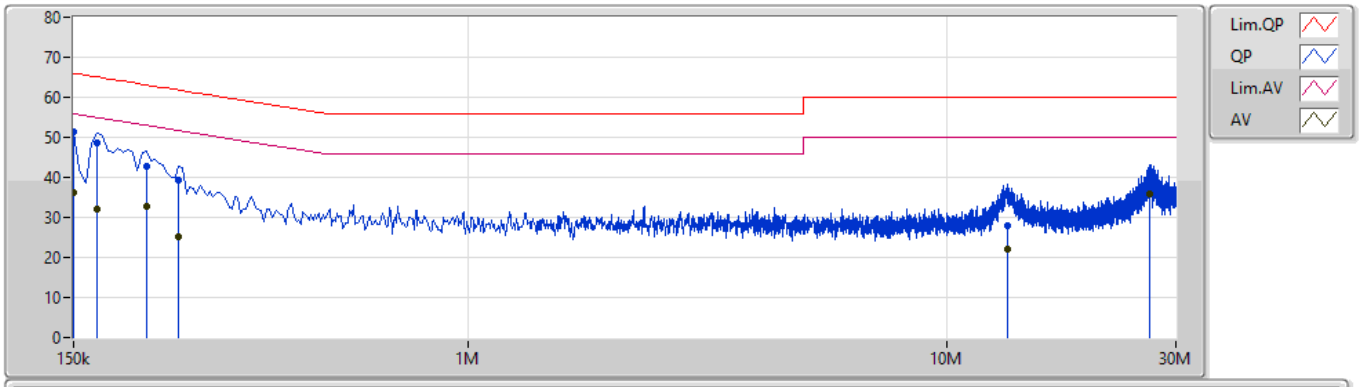
N.C.R means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	26.925M	37.15	50.00	-12.85	Neutral

Mode 1

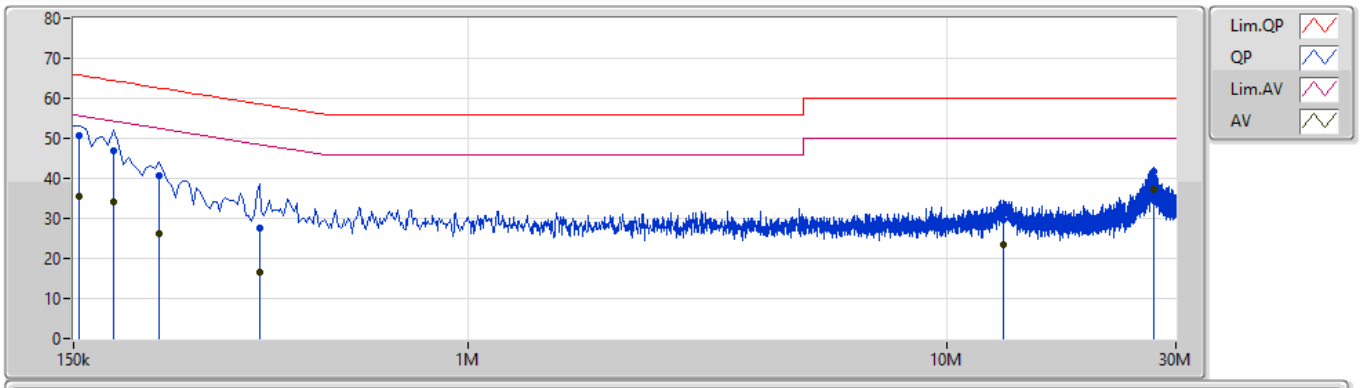
08/04/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	51.36	66.00	-14.64	10.03	Line	-	41.33	0.12	0.02	9.89
AV	150k	36.10	56.00	-19.90	10.03	Line	-	26.07	0.12	0.02	9.89
QP	168k	48.51	65.06	-16.55	10.03	Line	-	38.48	0.12	0.02	9.89
AV	168k	31.98	55.06	-23.08	10.03	Line	-	21.95	0.12	0.02	9.89
QP	213k	42.63	63.09	-20.46	10.03	Line	-	32.60	0.12	0.02	9.89
AV	213k	32.69	53.09	-20.40	10.03	Line	-	22.66	0.12	0.02	9.89
QP	249k	39.18	61.79	-22.61	10.03	Line	-	29.15	0.12	0.02	9.89
AV	249k	25.11	51.79	-26.68	10.03	Line	-	15.08	0.12	0.02	9.89
QP	13.349M	27.96	60.00	-32.04	10.39	Line	-	17.57	0.36	0.10	9.93
AV	13.349M	21.95	50.00	-28.05	10.39	Line	-	11.56	0.36	0.10	9.93
QP	26.534M	40.52	60.00	-19.48	10.61	Line	-	29.91	0.41	0.21	9.99
AV	26.534M	35.90	50.00	-14.10	10.61	Line	"Worst"	25.29	0.41	0.21	9.99

Mode 1

08/04/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	50.55	65.75	-15.20	10.07	Neutral	-	40.48	0.16	0.02	9.89
AV	154.5k	35.64	55.75	-20.11	10.07	Neutral	-	25.57	0.16	0.02	9.89
QP	181.5k	46.76	64.41	-17.65	10.07	Neutral	-	36.69	0.16	0.02	9.89
AV	181.5k	34.03	54.41	-20.38	10.07	Neutral	-	23.96	0.16	0.02	9.89
QP	226.5k	40.52	62.58	-22.06	10.07	Neutral	-	30.45	0.16	0.02	9.89
AV	226.5k	26.23	52.58	-26.35	10.07	Neutral	-	16.16	0.16	0.02	9.89
QP	366k	27.65	58.60	-30.95	10.07	Neutral	-	17.58	0.16	0.02	9.89
AV	366k	16.49	48.60	-32.11	10.07	Neutral	-	6.42	0.16	0.02	9.89
QP	13.061M	29.57	60.00	-30.43	10.33	Neutral	-	19.24	0.30	0.10	9.93
AV	13.061M	23.47	50.00	-26.53	10.33	Neutral	-	13.14	0.30	0.10	9.93
QP	26.925M	41.65	60.00	-18.35	10.57	Neutral	-	31.08	0.36	0.22	9.99
AV	26.925M	37.15	50.00	-12.85	10.57	Neutral	"Worst"	26.58	0.36	0.22	9.99

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	9.5M	16.767M	16M8G1D	7.025M	11.319M
802.11g_Nss1,(6Mbps)_2TX	16.35M	21.239M	21M2D1D	16.3M	16.892M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	19.14M	19M1D1D	18.725M	19.015M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.75M	37.981M	38M0D1D	37.55M	37.931M

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

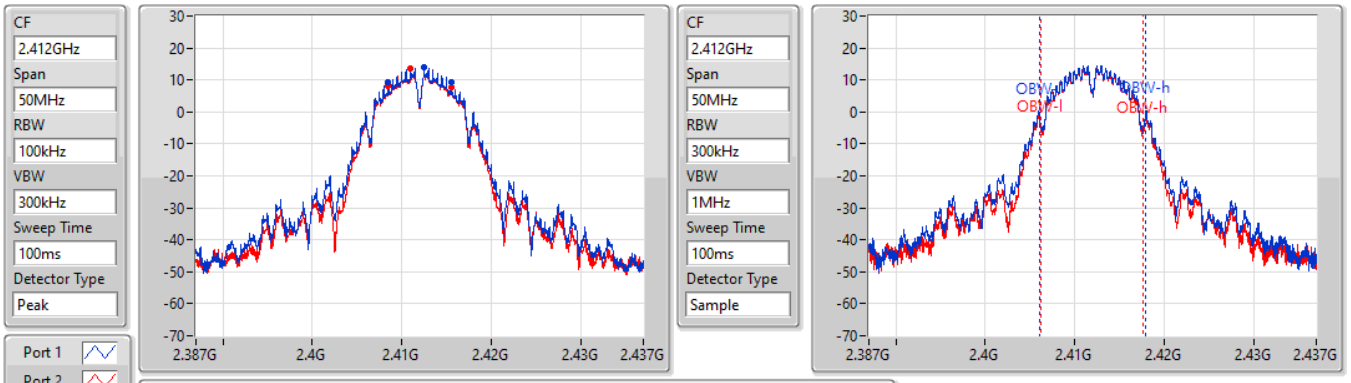
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	11.869M	7.075M	11.369M
2437MHz	Pass	500k	9.5M	16.767M	8M	13.943M
2462MHz	Pass	500k	7.05M	11.844M	7.55M	11.319M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.917M	16.3M	16.892M
2437MHz	Pass	500k	16.325M	21.239M	16.325M	20.49M
2462MHz	Pass	500k	16.325M	16.942M	16.35M	16.967M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.9M	19.065M	18.725M	19.015M
2437MHz	Pass	500k	18.975M	19.14M	18.85M	19.065M
2462MHz	Pass	500k	18.925M	19.04M	18.825M	19.09M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.931M	37.55M	37.931M
2437MHz	Pass	500k	37.75M	37.931M	37.65M	37.981M
2452MHz	Pass	500k	37.7M	37.981M	37.7M	37.981M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

21/06/2022

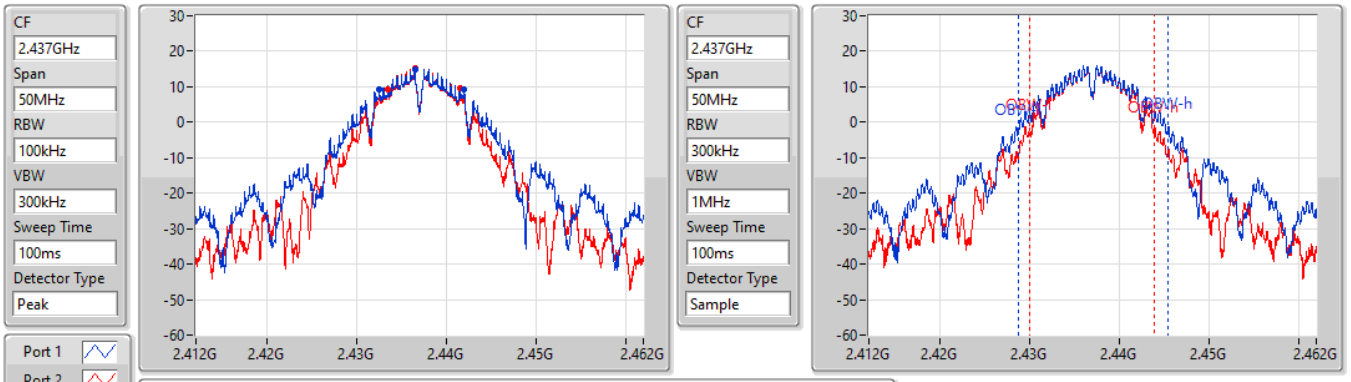


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.408475G	2.4155G	11.869M	2.406053G	2.417922G	500k	1
7.075M	2.40845G	2.415525G	11.369M	2.406278G	2.417647G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

21/06/2022

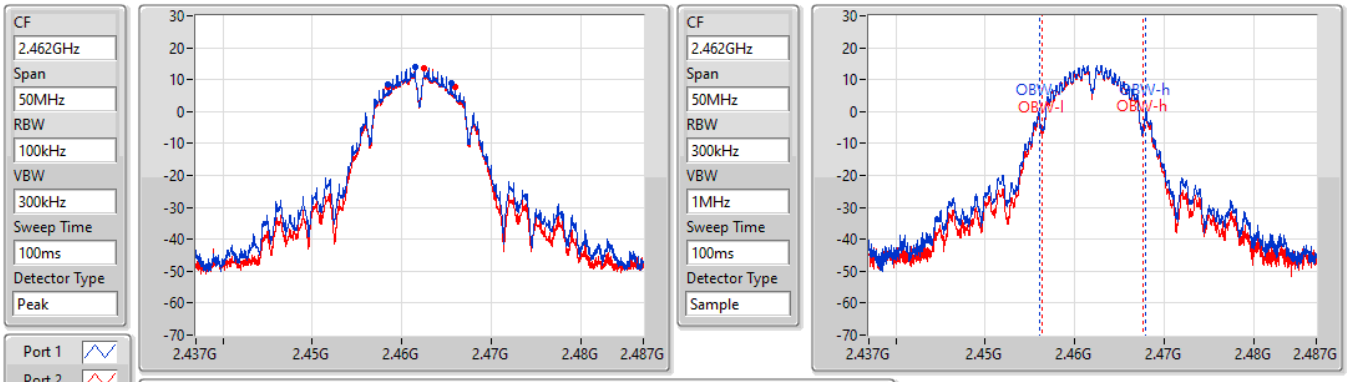


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.5M	2.432475G	2.441975G	16.767M	2.428654G	2.445421G	500k	1
8M	2.433475G	2.441475G	13.943M	2.429954G	2.443897G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

21/06/2022

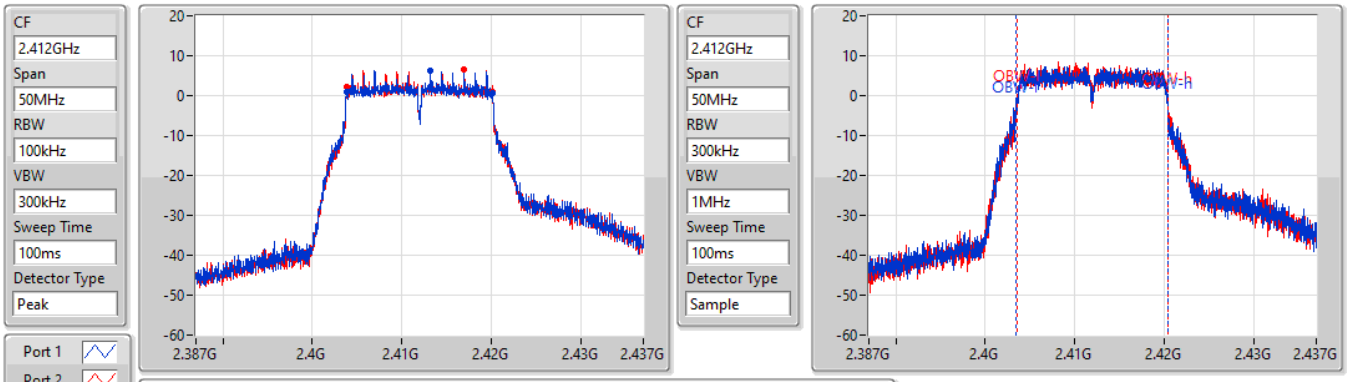


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.45845G	2.4655G	11.844M	2.456053G	2.467897G	500k	1
7.55M	2.45845G	2.466G	11.319M	2.456353G	2.467672G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

21/06/2022

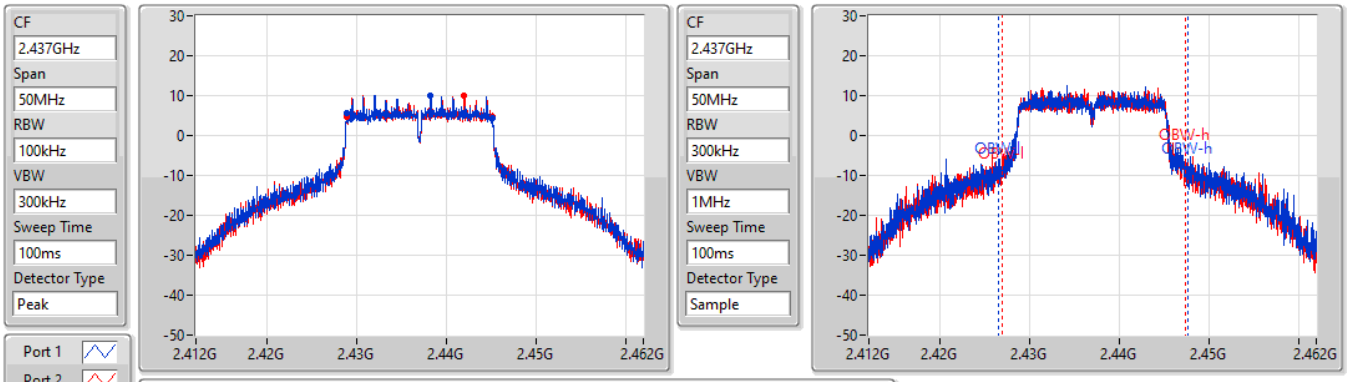


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.917M	2.403479G	2.420396G	500k	1
16.3M	2.40385G	2.42015G	16.892M	2.403529G	2.420421G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

21/06/2022

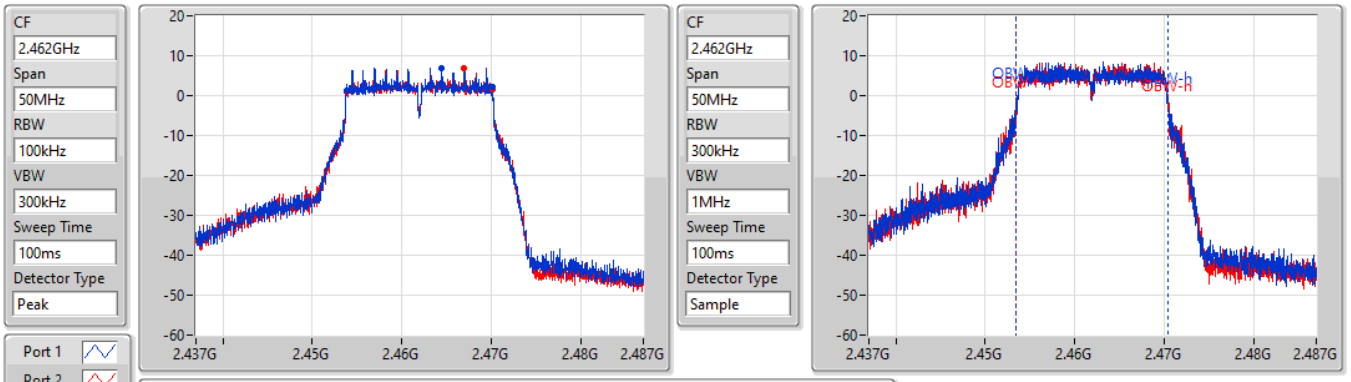


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	21.239M	2.426455G	2.447695G	500k	1
16.325M	2.428825G	2.44515G	20.49M	2.42688G	2.44737G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

21/06/2022

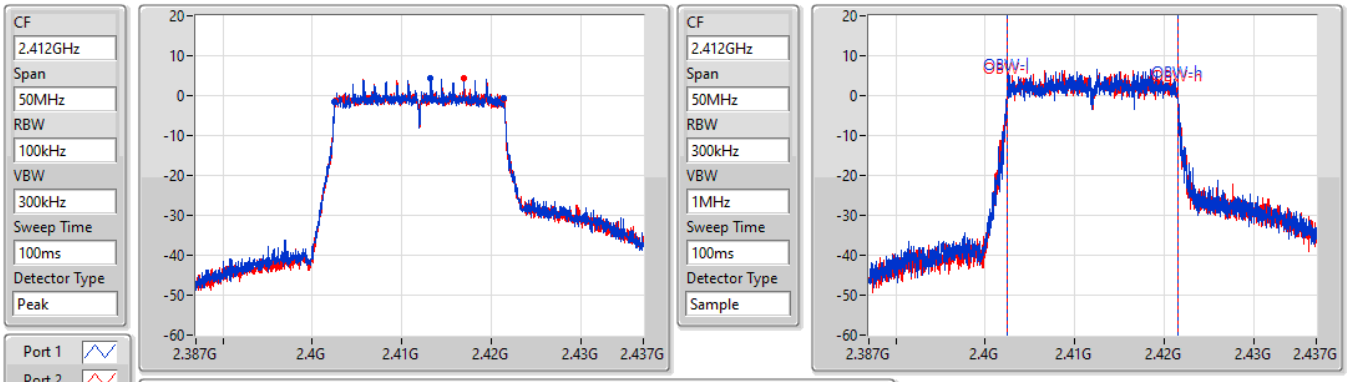


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.942M	2.453454G	2.470396G	500k	1
16.35M	2.4538G	2.47015G	16.967M	2.453454G	2.470421G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

21/06/2022

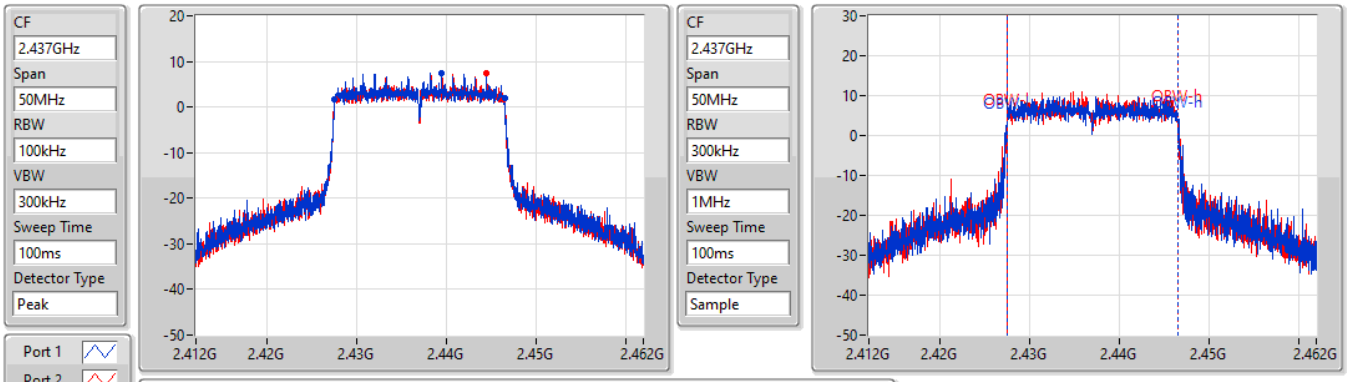


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.402525G	2.421425G	19.065M	2.40243G	2.421495G	500k	1
18.725M	2.40265G	2.421375G	19.015M	2.40248G	2.421495G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

21/06/2022

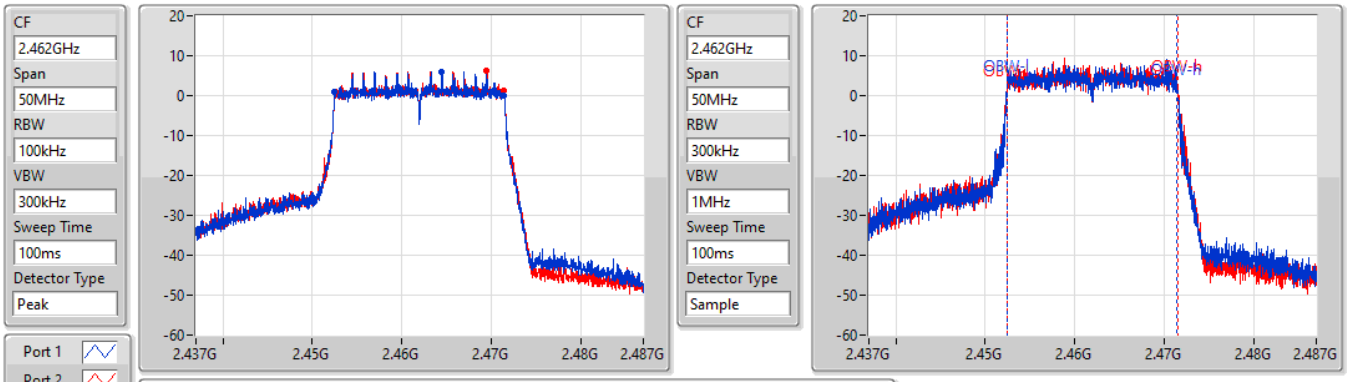


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	19.14M	2.427405G	2.446545G	500k	1
18.85M	2.42755G	2.4464G	19.065M	2.427455G	2.44652G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

21/06/2022

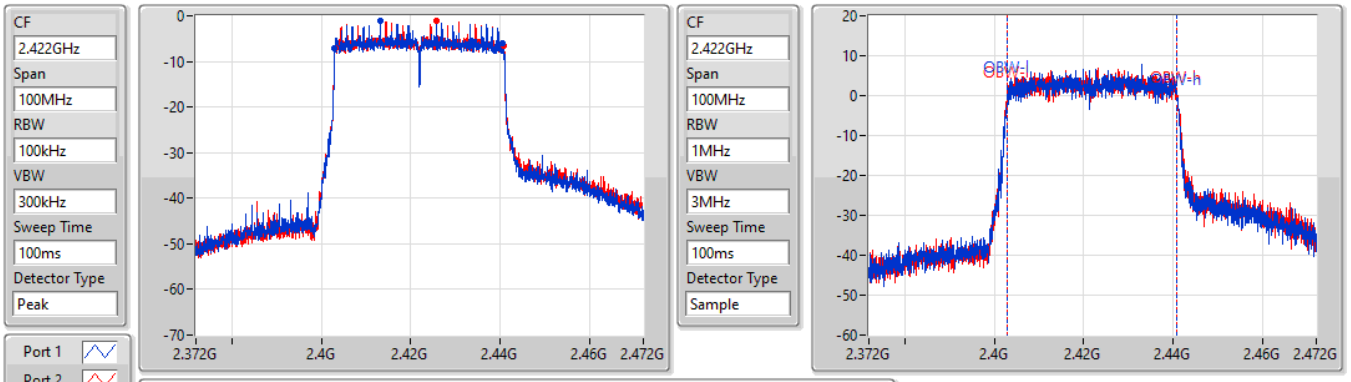


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.452525G	2.47145G	19.04M	2.45243G	2.47147G	500k	1
18.825M	2.45255G	2.471375G	19.09M	2.45243G	2.47152G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

21/06/2022

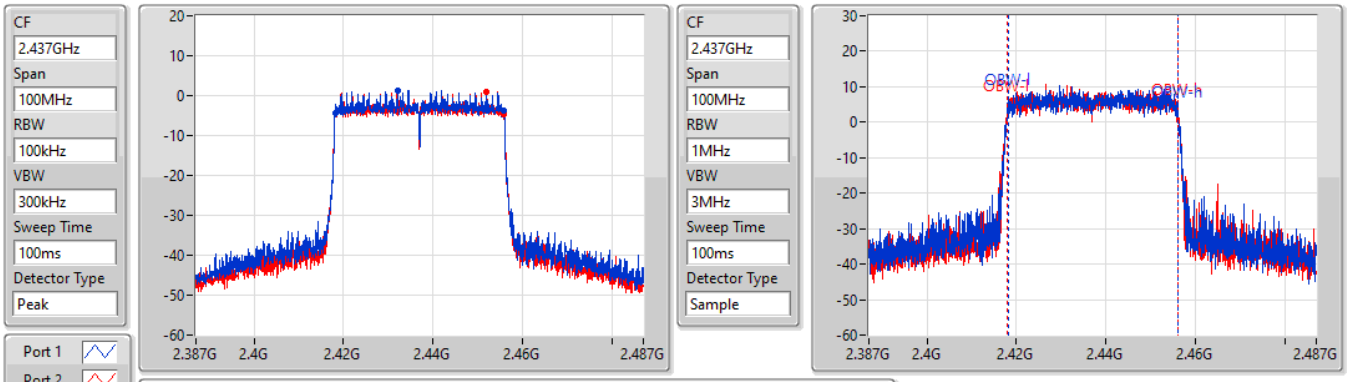


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.40305G	2.44065G	37.931M	2.403009G	2.440941G	500k	1
37.55M	2.40315G	2.4407G	37.931M	2.403009G	2.440941G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

21/06/2022

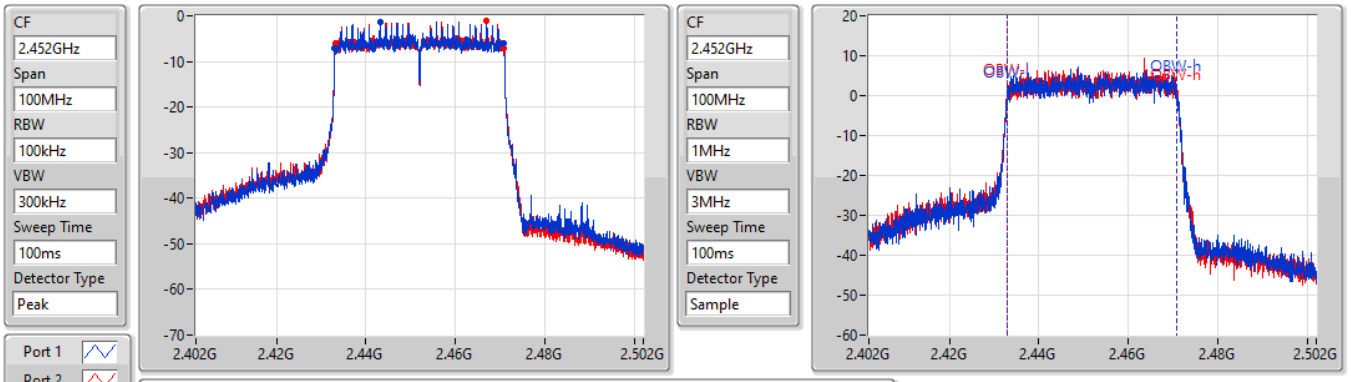


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.75M	2.4181G	2.45585G	37.931M	2.418059G	2.455991G	500k	1
37.65M	2.4181G	2.45575G	37.981M	2.418009G	2.455991G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

21/06/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.7M	2.43305G	2.47075G	37.981M	2.43291G	2.470891G	500k	1
37.7M	2.4332G	2.4709G	37.981M	2.43296G	2.470941G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9M	16.142M	16M1G1D	7.075M	12.194M
802.11g_Nss1,(6Mbps)_1TX	16.325M	27.886M	27M9D1D	16.3M	17.041M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.925M	28.136M	28M1D1D	18.85M	19.065M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.95M	38.031M	38M0D1D	37.5M	37.981M

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

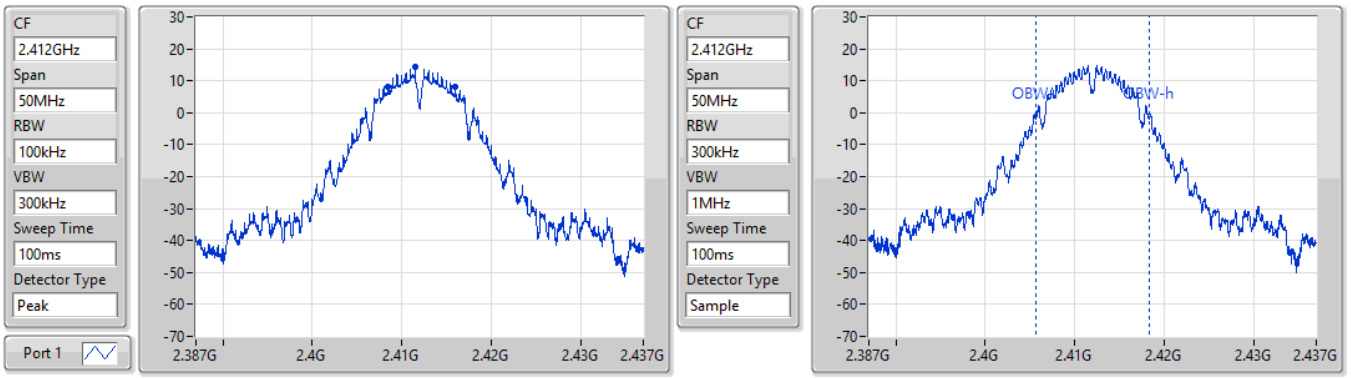
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.5M	12.719M
2437MHz	Pass	500k	9M	16.142M
2462MHz	Pass	500k	7.075M	12.194M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	17.066M
2437MHz	Pass	500k	16.3M	27.886M
2462MHz	Pass	500k	16.325M	17.041M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.925M	19.065M
2437MHz	Pass	500k	18.9M	28.136M
2462MHz	Pass	500k	18.85M	19.065M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.5M	37.981M
2437MHz	Pass	500k	37.95M	37.981M
2452MHz	Pass	500k	37.6M	38.031M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

05/04/2022

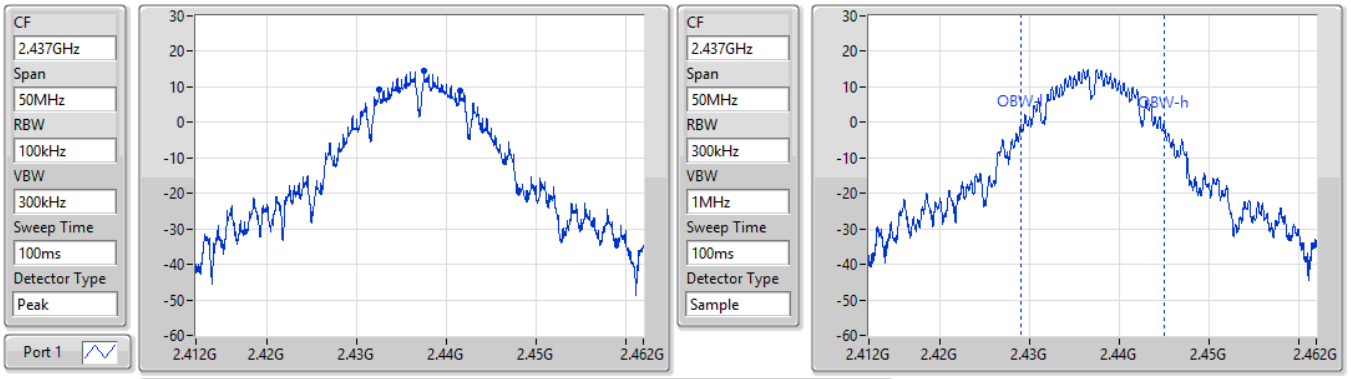


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.5M	2.4085G	2.416G	12.719M	2.405603G	2.418322G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

05/04/2022

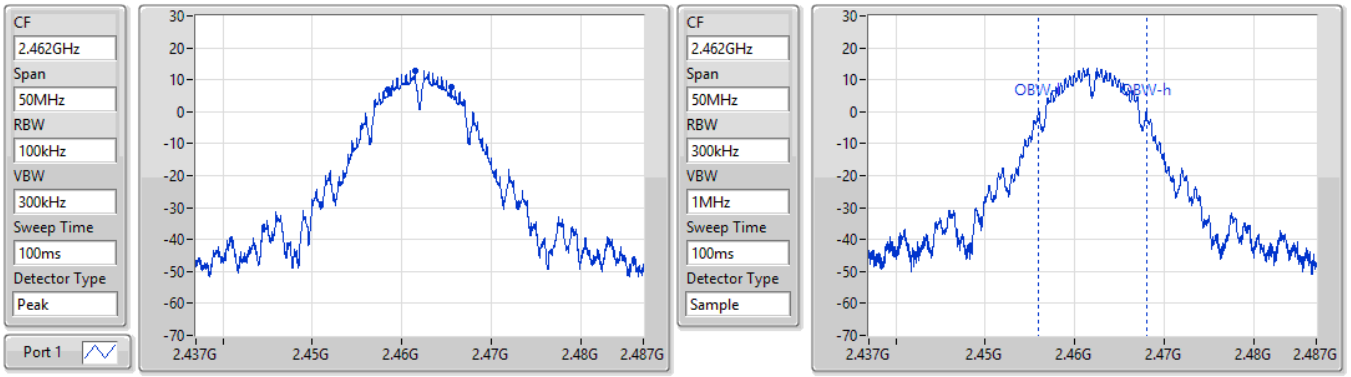


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9M	2.432475G	2.441475G	16.142M	2.428929G	2.445071G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

05/04/2022

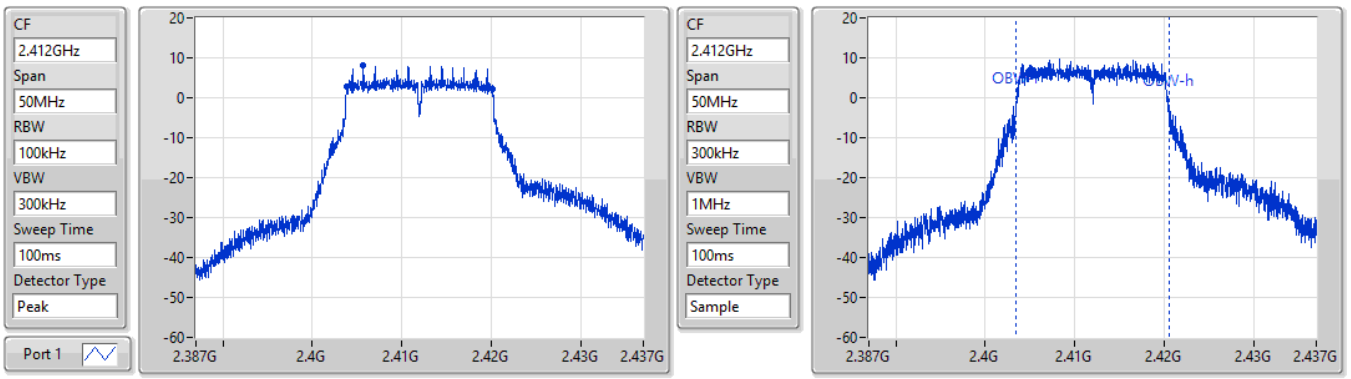


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.45845G	2.465525G	12.194M	2.455878G	2.468072G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

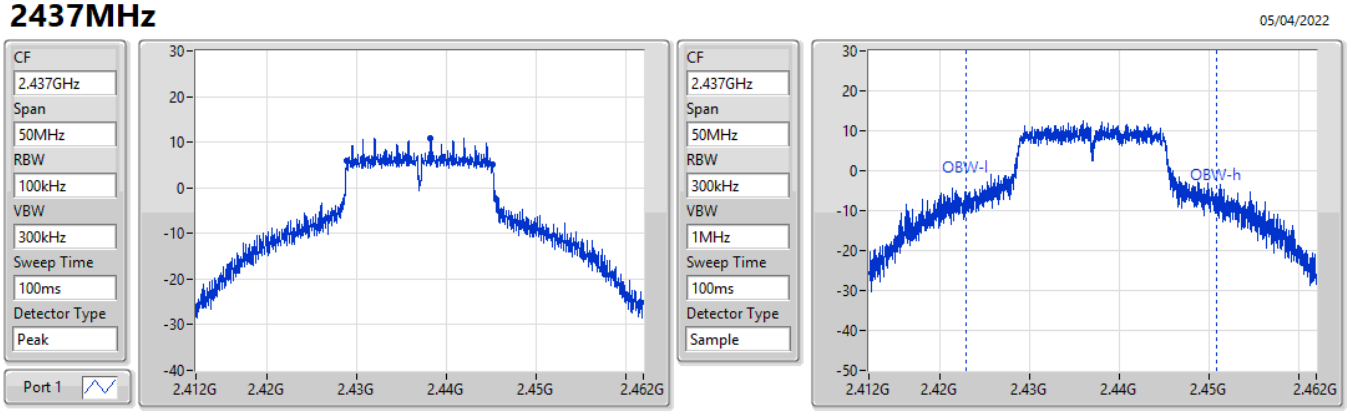
05/04/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	17.066M	2.403454G	2.420521G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

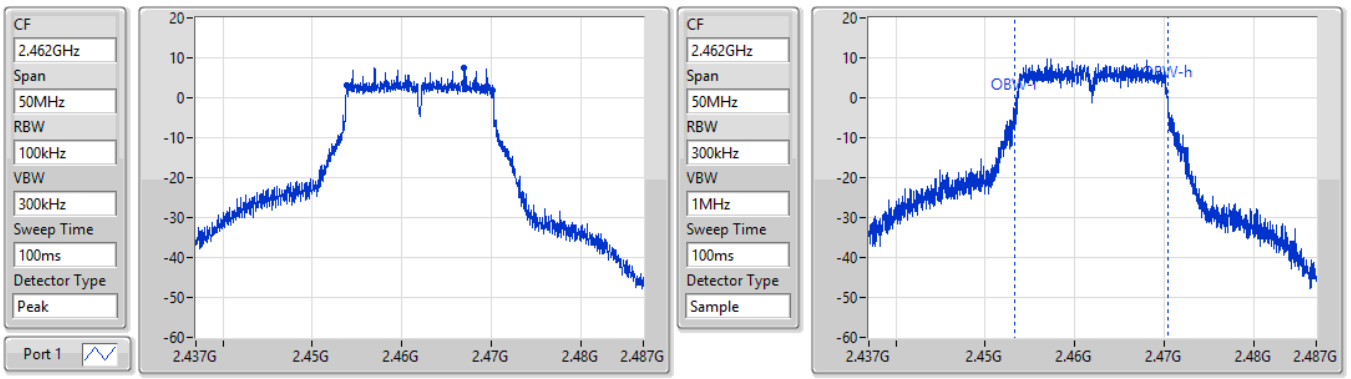
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.428825G	2.445125G	27.886M	2.422932G	2.450818G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

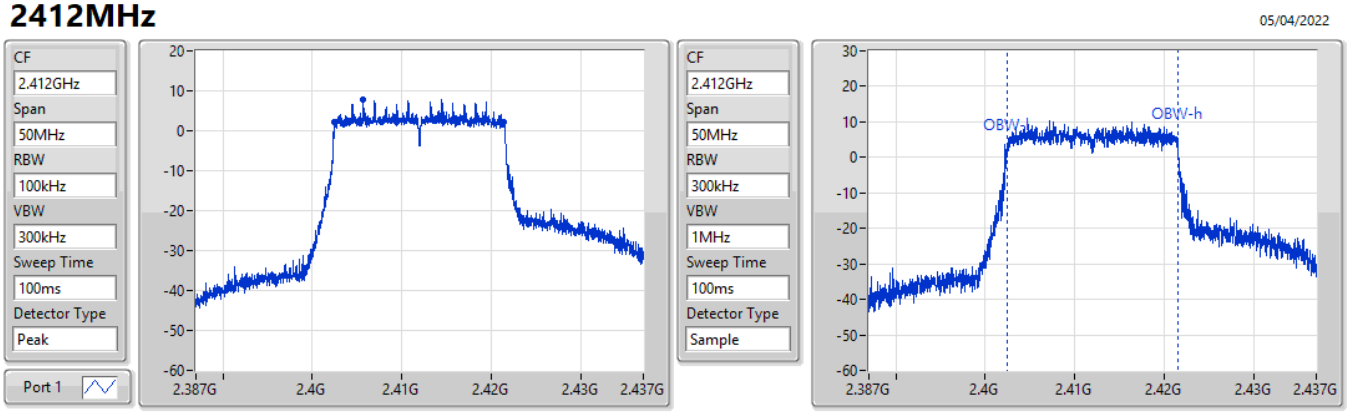
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	17.041M	2.453354G	2.470396G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

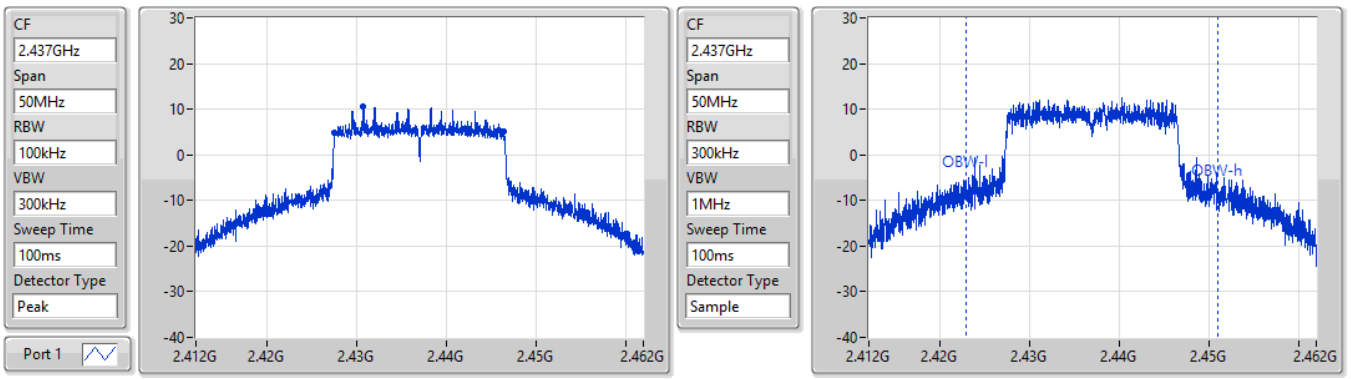
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.402525G	2.42145G	19.065M	2.402455G	2.42152G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

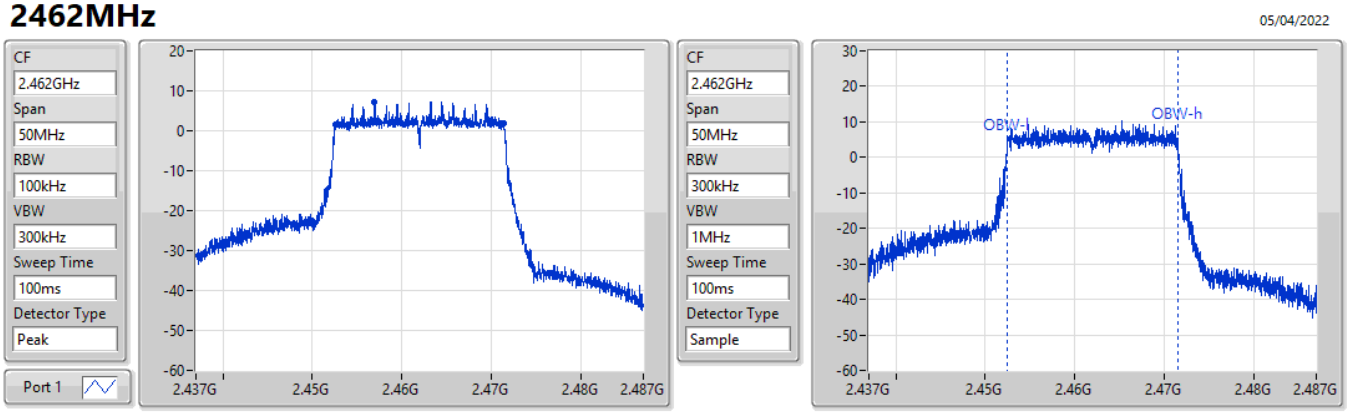
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.4275G	2.4464G	28.136M	2.422832G	2.450968G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

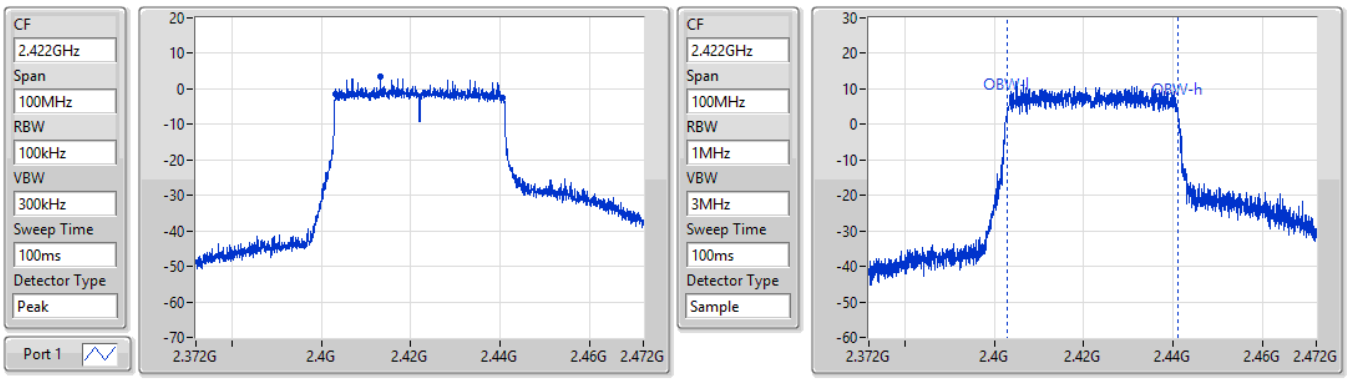
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.85M	2.45255G	2.4714G	19.065M	2.45243G	2.471495G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

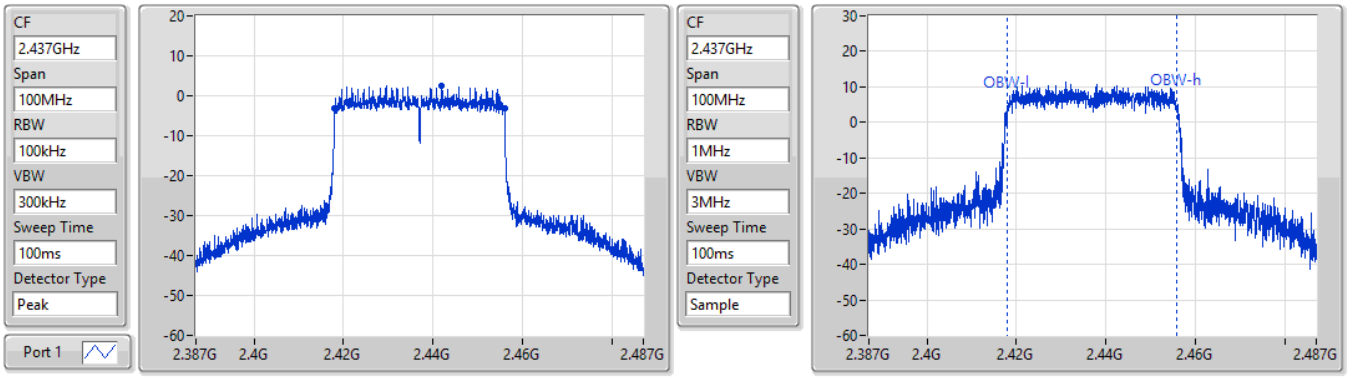


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.40315G	2.44065G	37.981M	2.403009G	2.440991G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

05/04/2022

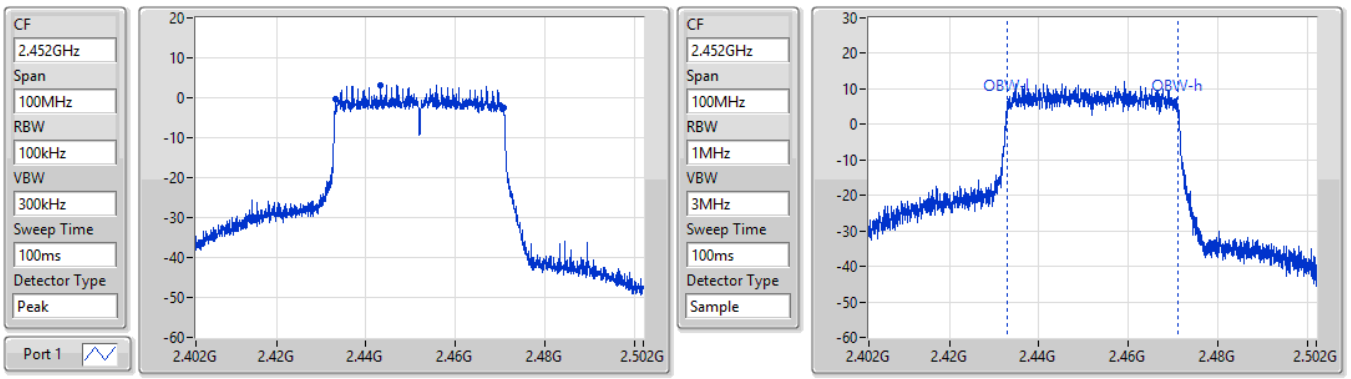


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.95M	2.418G	2.45595G	37.981M	2.41796G	2.455941G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

05/04/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.4332G	2.4708G	38.031M	2.43296G	2.470991G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.49	0.44566
802.11g_Nss1,(6Mbps)_2TX	23.91	0.24604
802.11ax HEW20_Nss1,(MCS0)_2TX	21.94	0.15631
802.11ax HEW40_Nss1,(MCS0)_2TX	18.82	0.07621

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.63	21.78	21.45	24.63	30.00
2437MHz	Pass	2.63	23.70	23.24	26.49	30.00
2462MHz	Pass	2.63	21.78	21.38	24.59	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.63	17.06	17.16	20.12	30.00
2417MHz	Pass	2.63	18.43	18.75	21.60	30.00
2437MHz	Pass	2.63	21.01	20.78	23.91	30.00
2457MHz	Pass	2.63	18.44	18.66	21.56	30.00
2462MHz	Pass	2.63	17.56	17.62	20.60	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.63	17.57	17.53	20.56	30.00
2437MHz	Pass	2.63	18.85	19.01	21.94	30.00
2462MHz	Pass	2.63	17.67	18.00	20.85	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.63	14.60	14.95	17.79	30.00
2437MHz	Pass	2.63	15.86	15.75	18.82	30.00
2452MHz	Pass	2.63	14.85	15.06	17.97	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.94	0.15631
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.82	0.07621

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.38	17.57	17.53	20.56	30.00
2437MHz	Pass	5.38	18.85	19.01	21.94	30.00
2462MHz	Pass	5.38	17.67	18.00	20.85	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.38	14.6	14.95	17.79	30.00
2437MHz	Pass	5.38	15.86	15.75	18.82	30.00
2452MHz	Pass	5.38	14.85	15.06	17.97	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.00	0.19953
802.11g_Nss1,(6Mbps)_1TX	21.73	0.14894
802.11ax HEW20_Nss1,(MCS0)_1TX	21.42	0.13868
802.11ax HEW40_Nss1,(MCS0)_1TX	17.49	0.05610

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	22.20	22.20	30.00
2437MHz	Pass	5.00	23.00	23.00	30.00
2462MHz	Pass	5.00	20.90	20.90	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	18.99	18.99	30.00
2417MHz	Pass	5.00	21.01	21.01	30.00
2437MHz	Pass	5.00	21.73	21.73	30.00
2457MHz	Pass	5.00	20.29	20.29	30.00
2462MHz	Pass	5.00	18.54	18.54	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	18.71	18.71	30.00
2437MHz	Pass	5.00	21.42	21.42	30.00
2457MHz	Pass	5.00	19.25	19.25	30.00
2462MHz	Pass	5.00	18.22	18.22	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.00	17.48	17.48	30.00
2437MHz	Pass	5.00	17.20	17.20	30.00
2452MHz	Pass	5.00	17.49	17.49	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	2.46
802.11g_Nss1,(6Mbps)_2TX	-2.47
802.11ax HEW20_Nss1,(MCS0)_2TX	-5.97
802.11ax HEW40_Nss1,(MCS0)_2TX	-11.08

RBW = 3kHz;

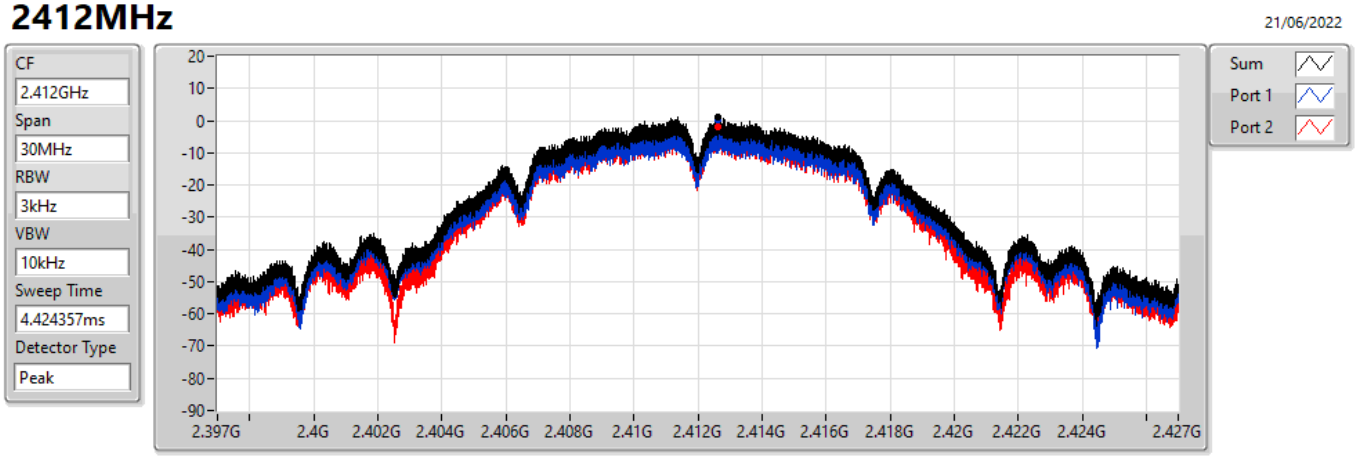
Result

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	5.38	0.16	-2.00	1.18	8.00
2437MHz	Pass	5.38	0.97	0.68	2.46	8.00
2462MHz	Pass	5.38	-0.29	-1.79	1.26	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.38	-7.87	-9.25	-7.00	8.00
2437MHz	Pass	5.38	-4.72	-4.93	-2.47	8.00
2462MHz	Pass	5.38	-7.71	-7.85	-6.16	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.38	-8.91	-9.05	-7.47	8.00
2437MHz	Pass	5.38	-7.01	-8.05	-5.97	8.00
2462MHz	Pass	5.38	-8.97	-7.77	-6.68	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.38	-15.13	-14.23	-11.80	8.00
2437MHz	Pass	5.38	-12.59	-13.88	-11.08	8.00
2452MHz	Pass	5.38	-13.43	-14.10	-11.73	8.00

DG = Directional Gain; RBW = 3kHz;
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

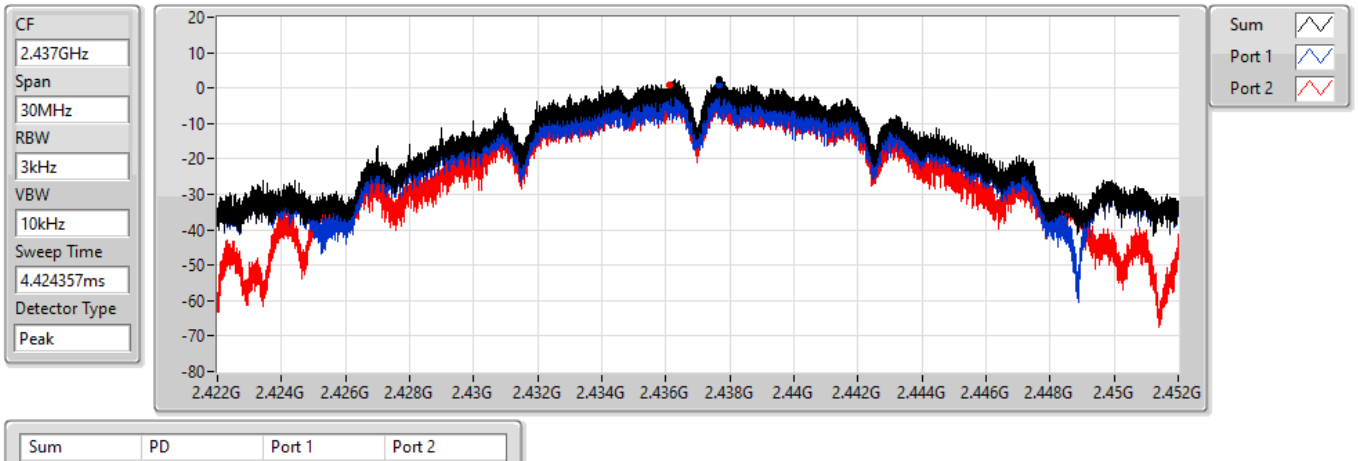
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.18	1.18	0.16	-2.00

802.11b_Nss1,(1Mbps)_2TX PSD

2437MHz

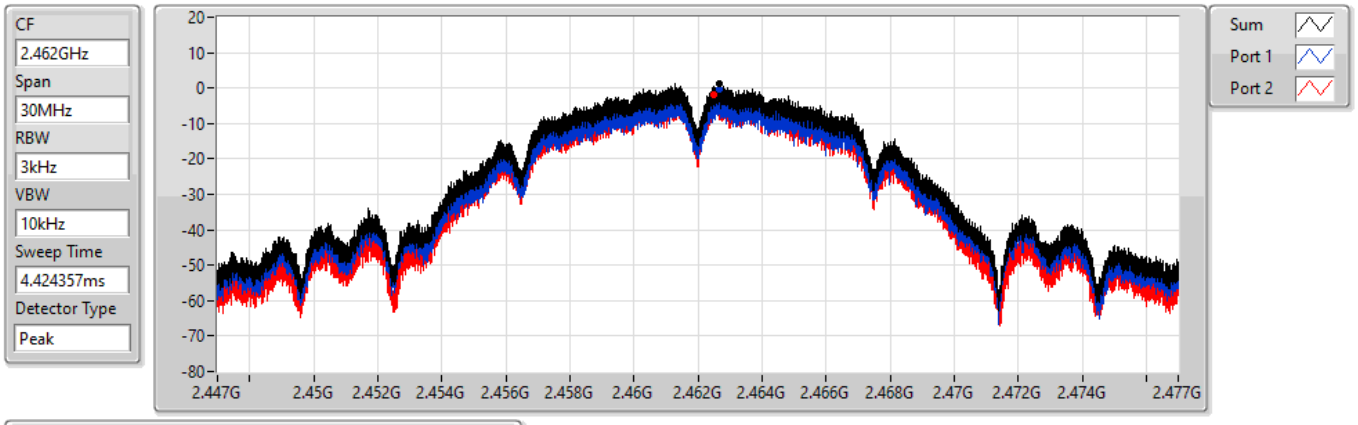


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.46	2.46	0.97	0.68

802.11b_Nss1,(1Mbps)_2TX PSD

2462MHz

21/06/2022

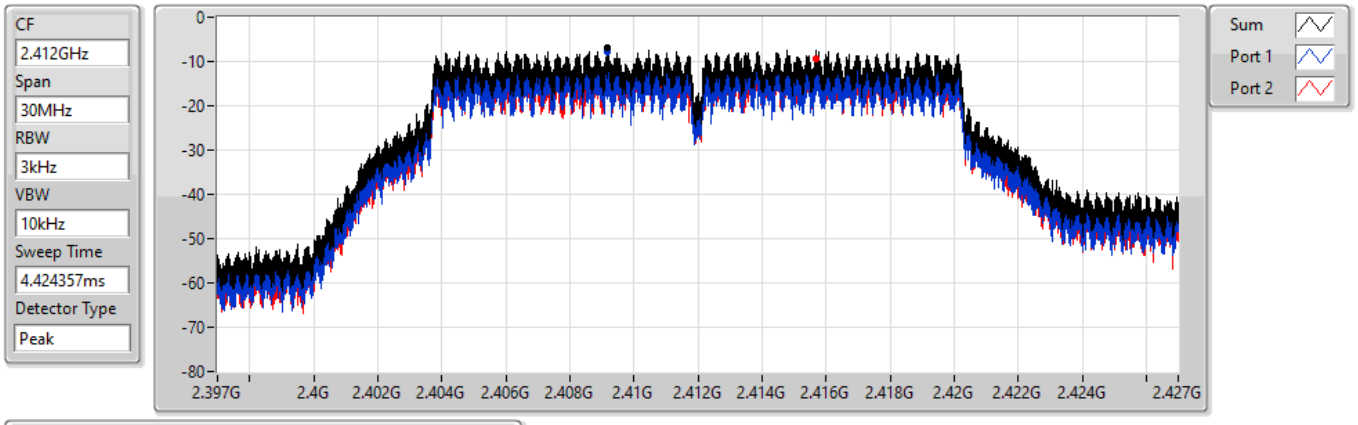


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.26	1.26	-0.29	-1.79

802.11g_Nss1,(6Mbps)_2TX PSD

2412MHz

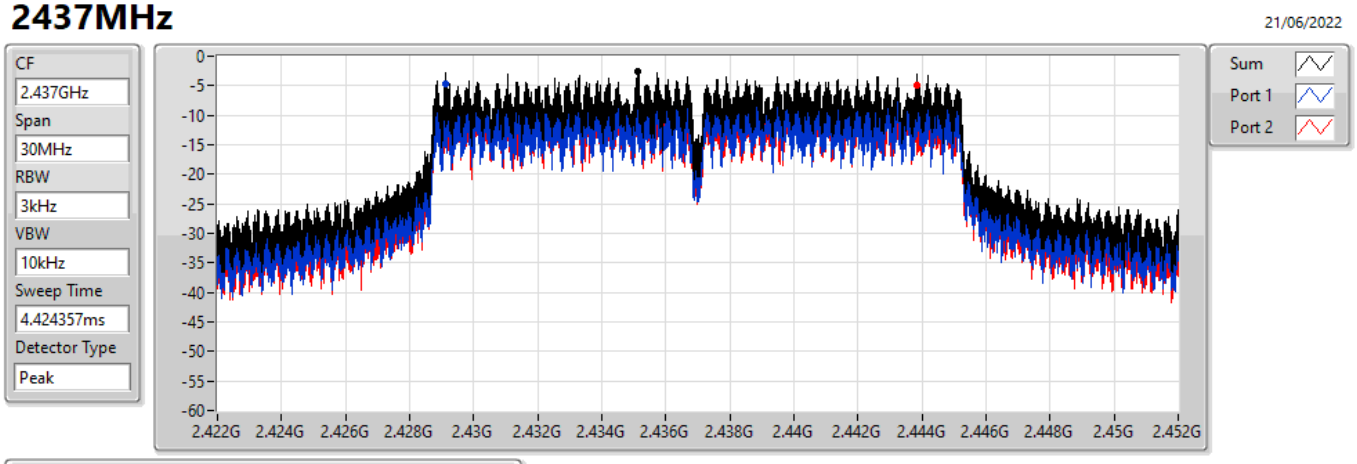
21/06/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.00	-7.00	-7.87	-9.25

802.11g_Nss1,(6Mbps)_2TX PSD

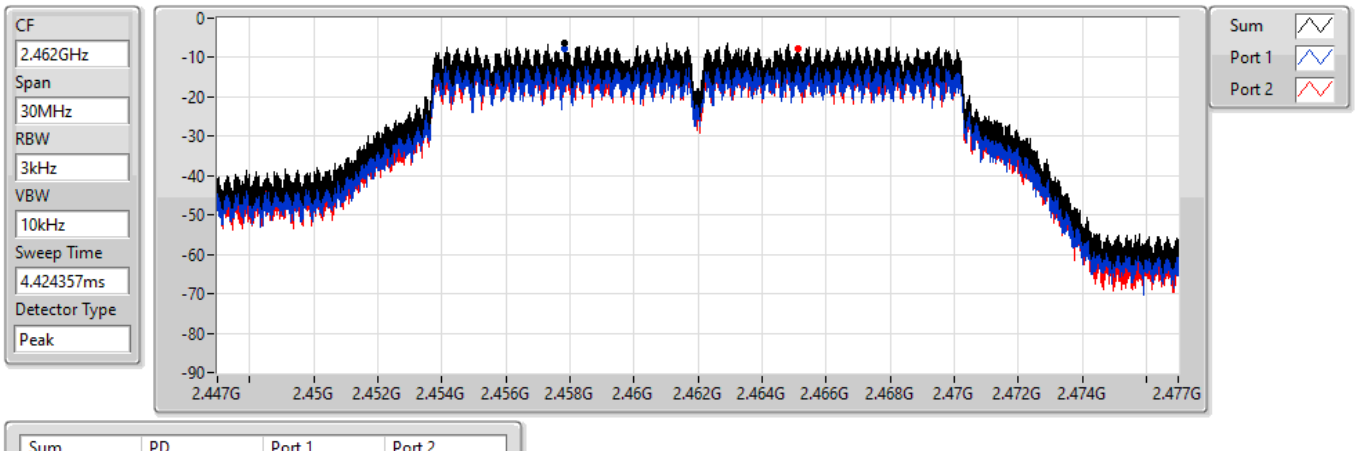
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.47	-2.47	-4.72	-4.93

802.11g_Nss1,(6Mbps)_2TX PSD

2462MHz

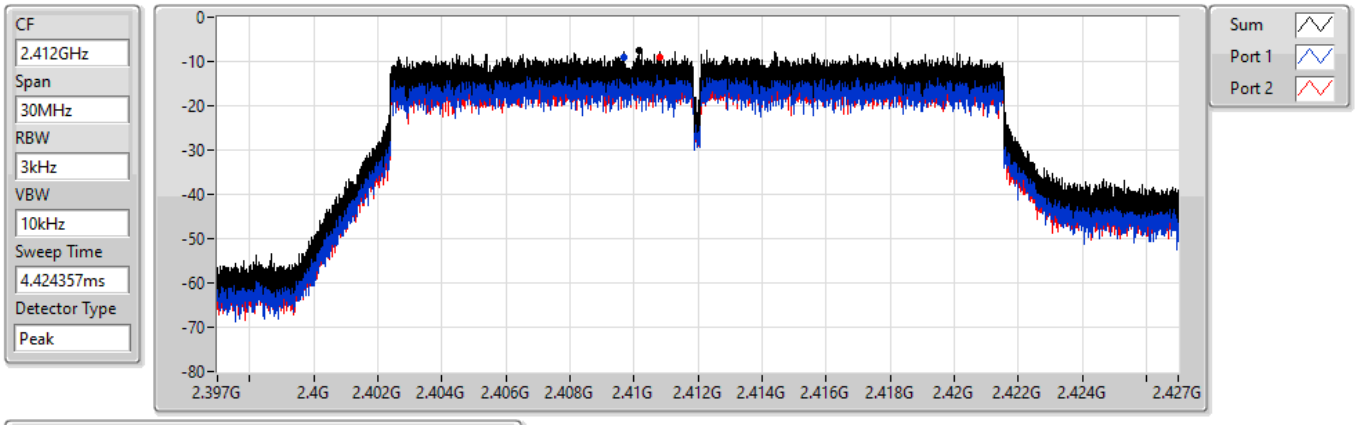


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.16	-6.16	-7.71	-7.85

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

2412MHz

25/06/2022

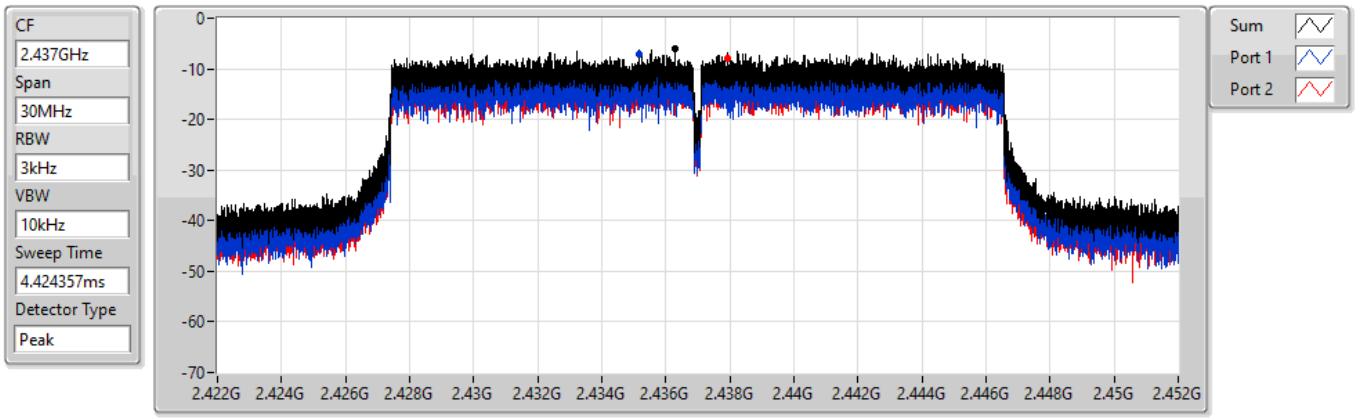


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.47	-7.47	-8.91	-9.05

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

2437MHz

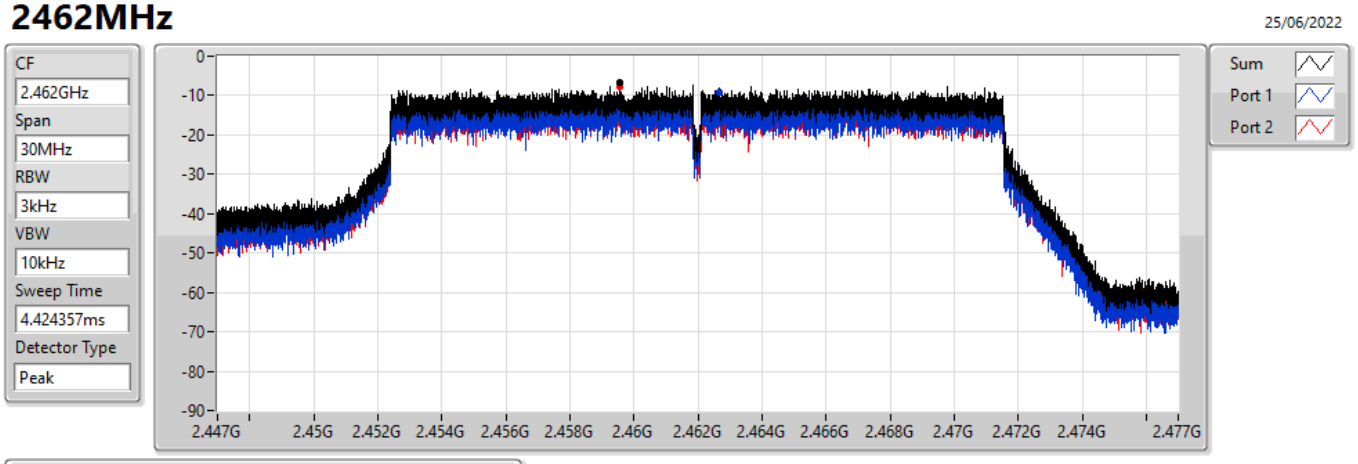
21/06/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.97	-5.97	-7.01	-8.05

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

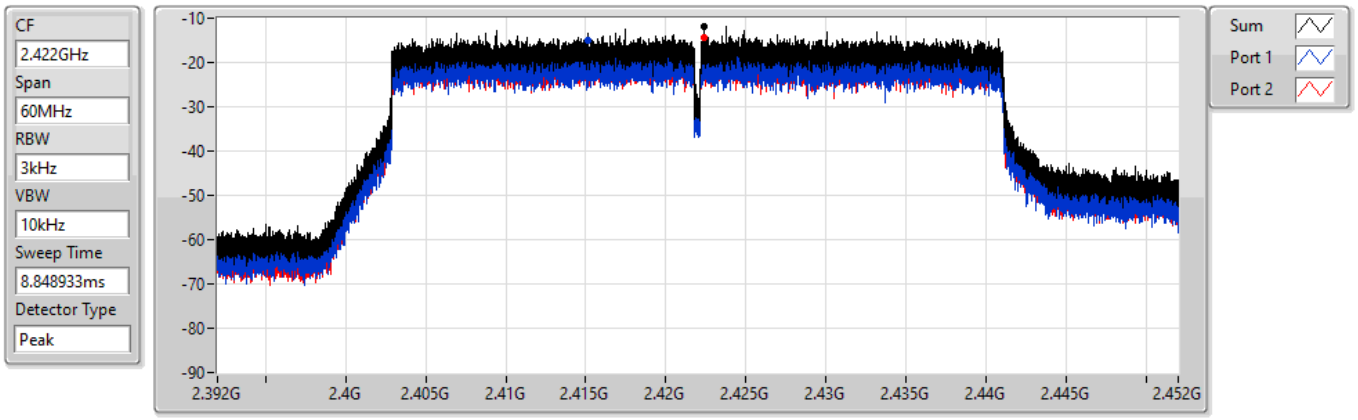
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.68	-6.68	-8.97	-7.77

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2422MHz

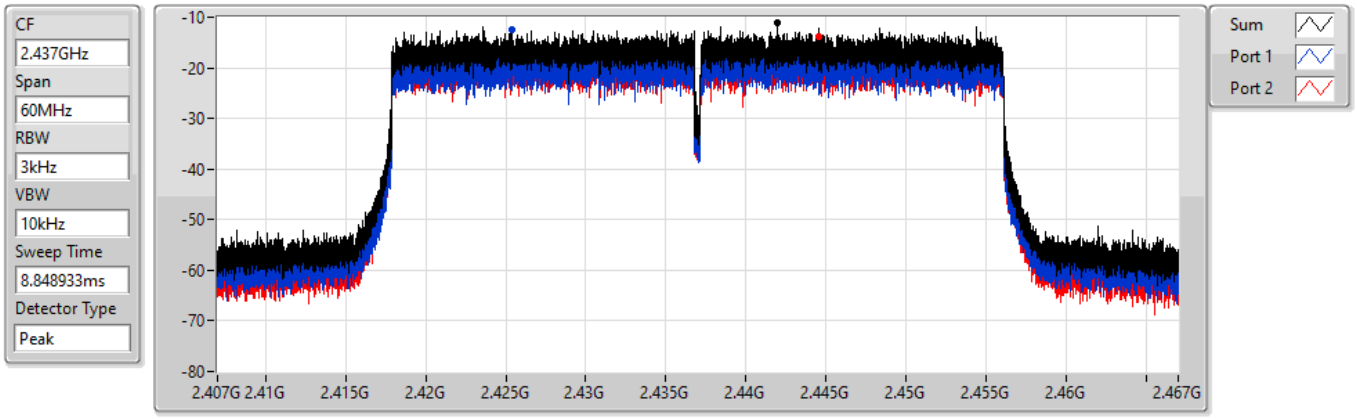


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.80	-11.80	-15.13	-14.23

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2437MHz

21/06/2022

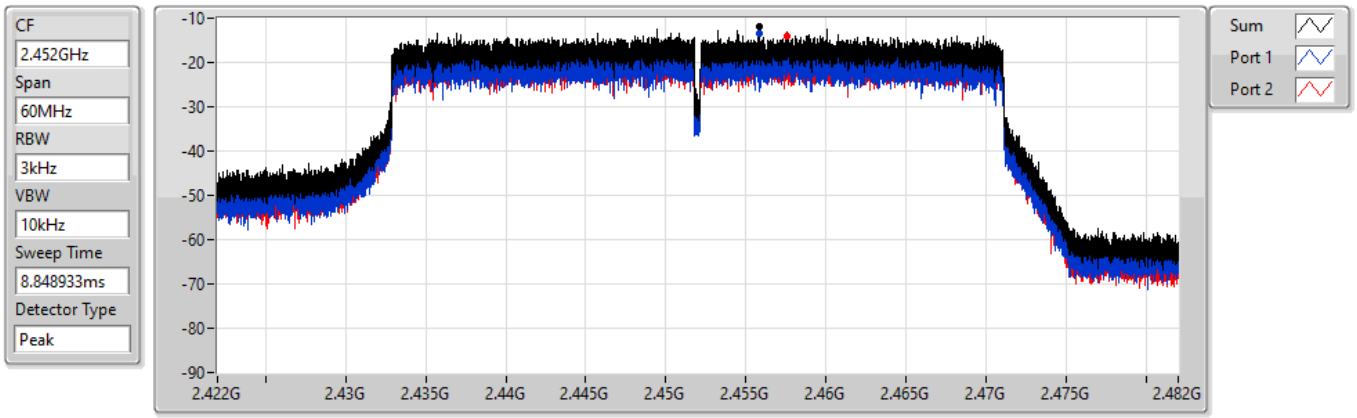


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.08	-11.08	-12.59	-13.88

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2452MHz

25/06/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.73	-11.73	-13.43	-14.10

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	1.06
802.11g_Nss1,(6Mbps)_1TX	-3.76
802.11ax HEW20_Nss1,(MCS0)_1TX	-4.76
802.11ax HEW40_Nss1,(MCS0)_1TX	-11.33

RBW = 3kHz;

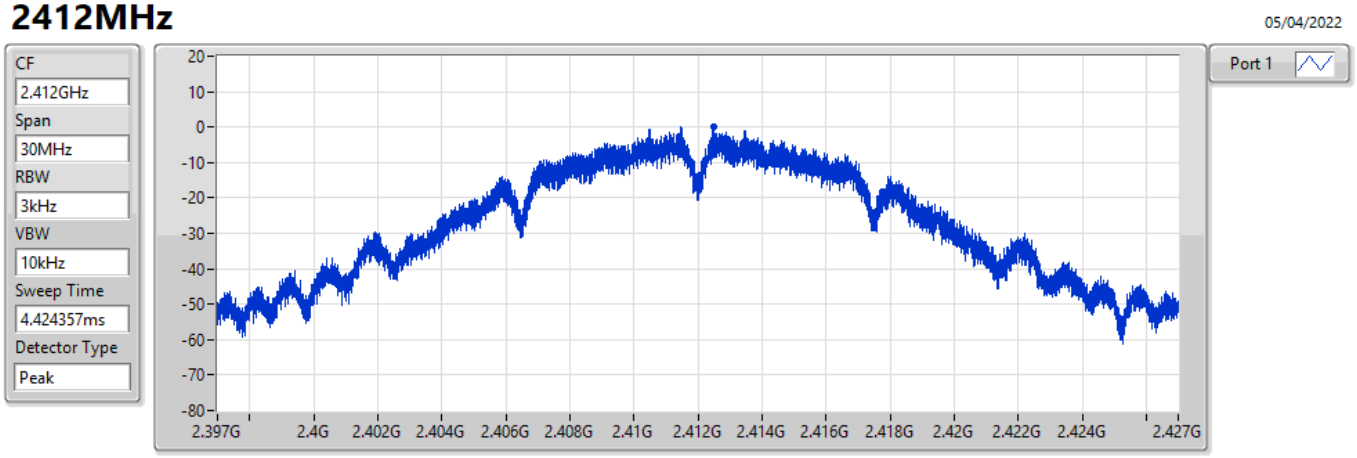
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	0.26	0.26	8.00
2437MHz	Pass	5.00	1.06	1.06	8.00
2462MHz	Pass	5.00	-0.85	-0.85	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	-6.68	-6.68	8.00
2437MHz	Pass	5.00	-3.76	-3.76	8.00
2462MHz	Pass	5.00	-6.73	-6.73	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	-8.70	-8.70	8.00
2437MHz	Pass	5.00	-4.76	-4.76	8.00
2462MHz	Pass	5.00	-8.55	-8.55	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.00	-11.33	-11.33	8.00
2437MHz	Pass	5.00	-11.82	-11.82	8.00
2452MHz	Pass	5.00	-11.78	-11.78	8.00

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

802.11b_Nss1,(1Mbps)_1TX PSD

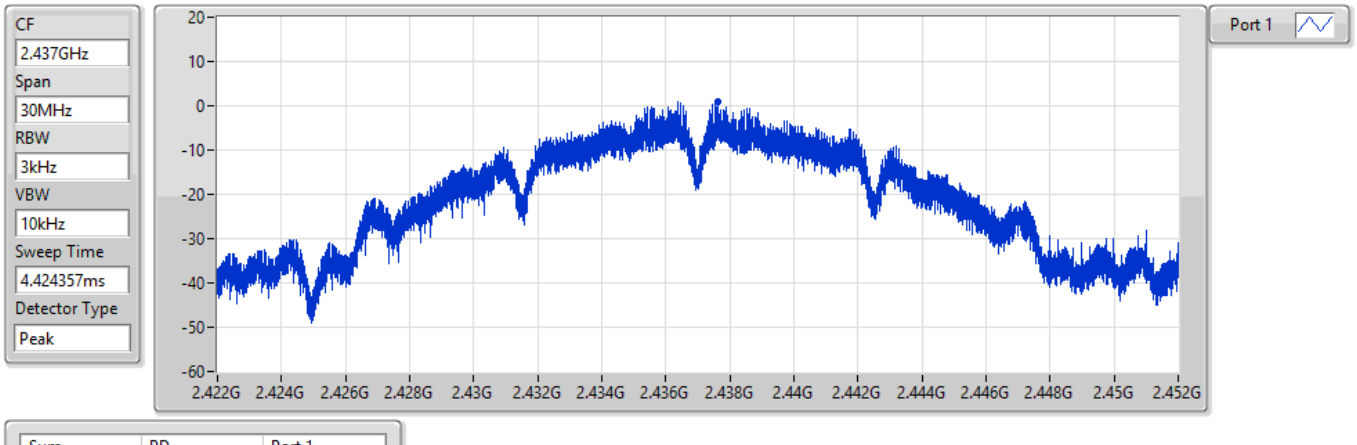
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.26	0.26	0.26

802.11b_Nss1,(1Mbps)_1TX PSD

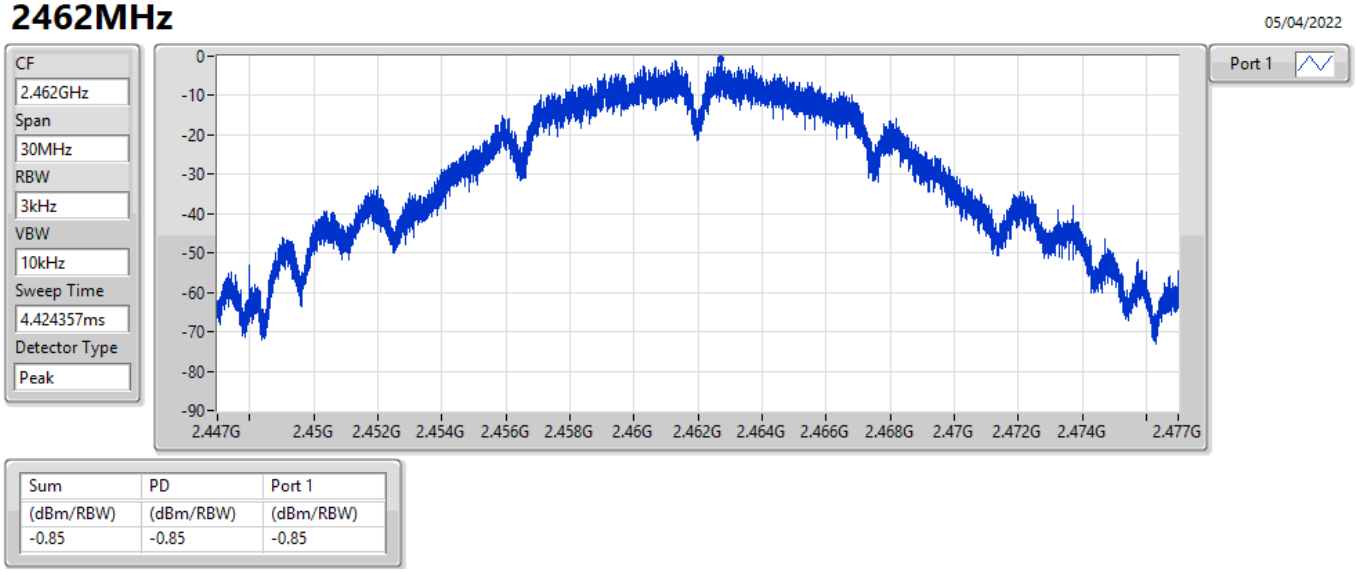
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.06	1.06	1.06

802.11b_Nss1,(1Mbps)_1TX PSD

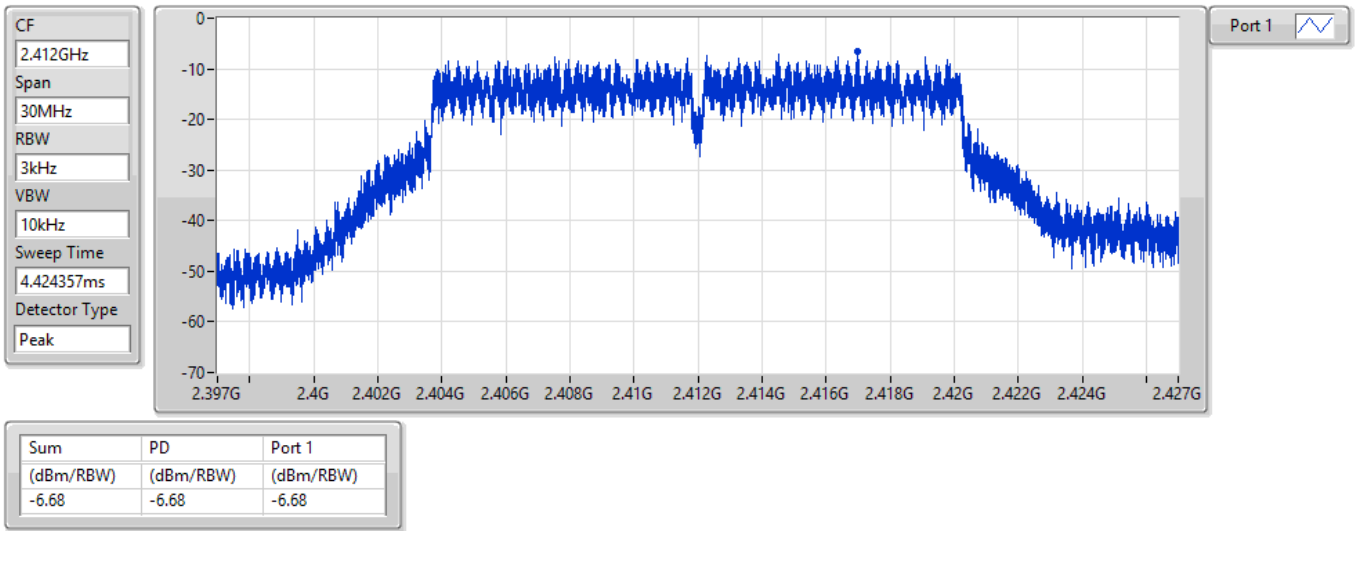
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.85	-0.85	-0.85

802.11g_Nss1,(6Mbps)_1TX PSD

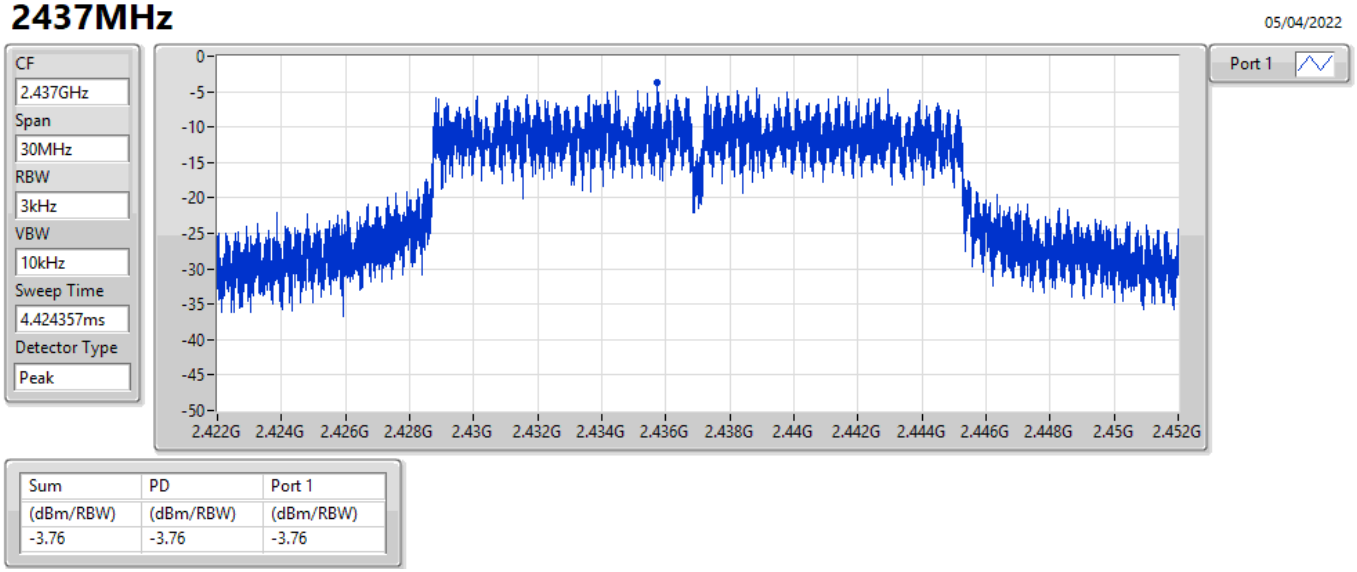
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.68	-6.68	-6.68

802.11g_Nss1,(6Mbps)_1TX PSD

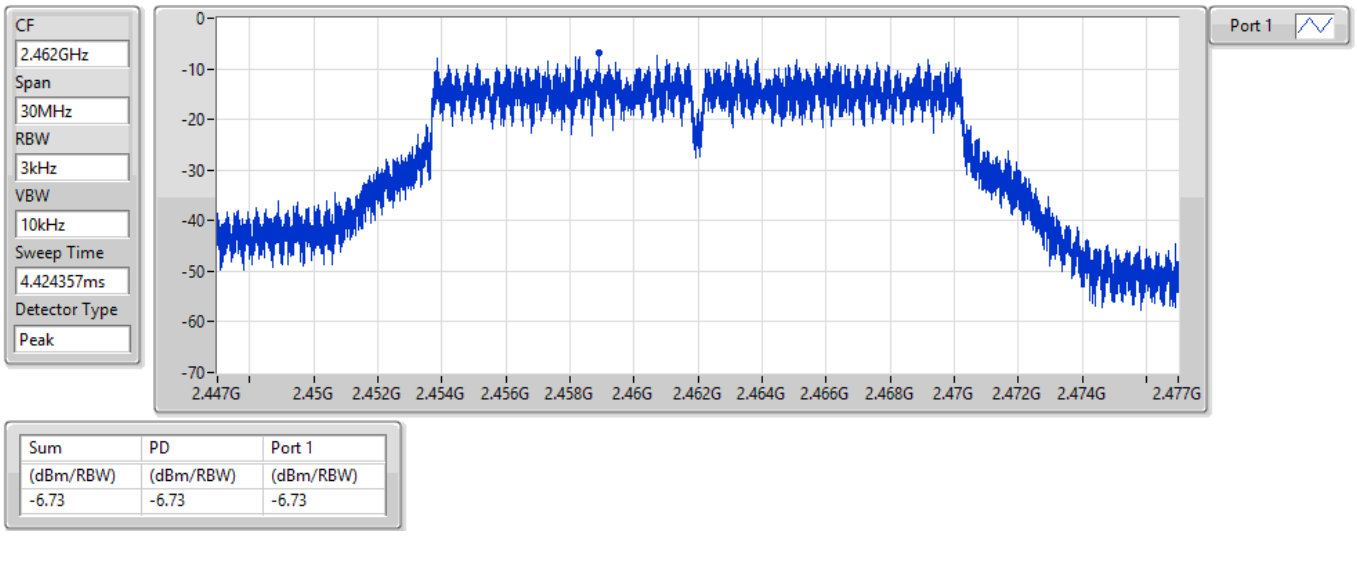
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.76	-3.76	-3.76

802.11g_Nss1,(6Mbps)_1TX PSD

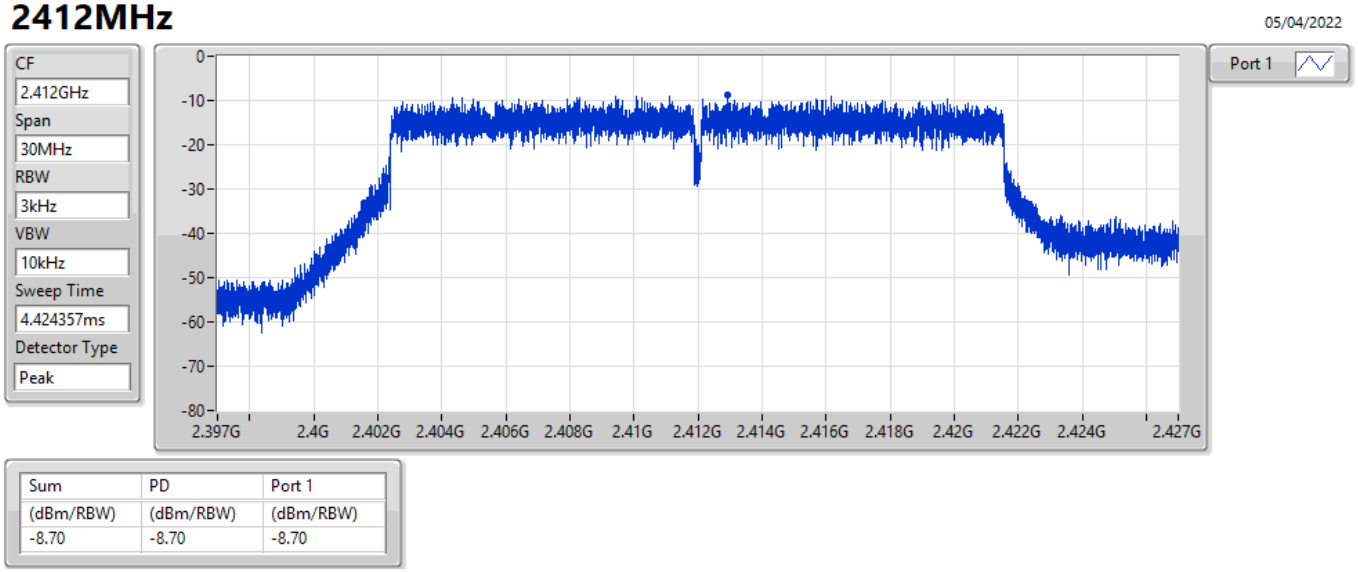
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.73	-6.73	-6.73

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

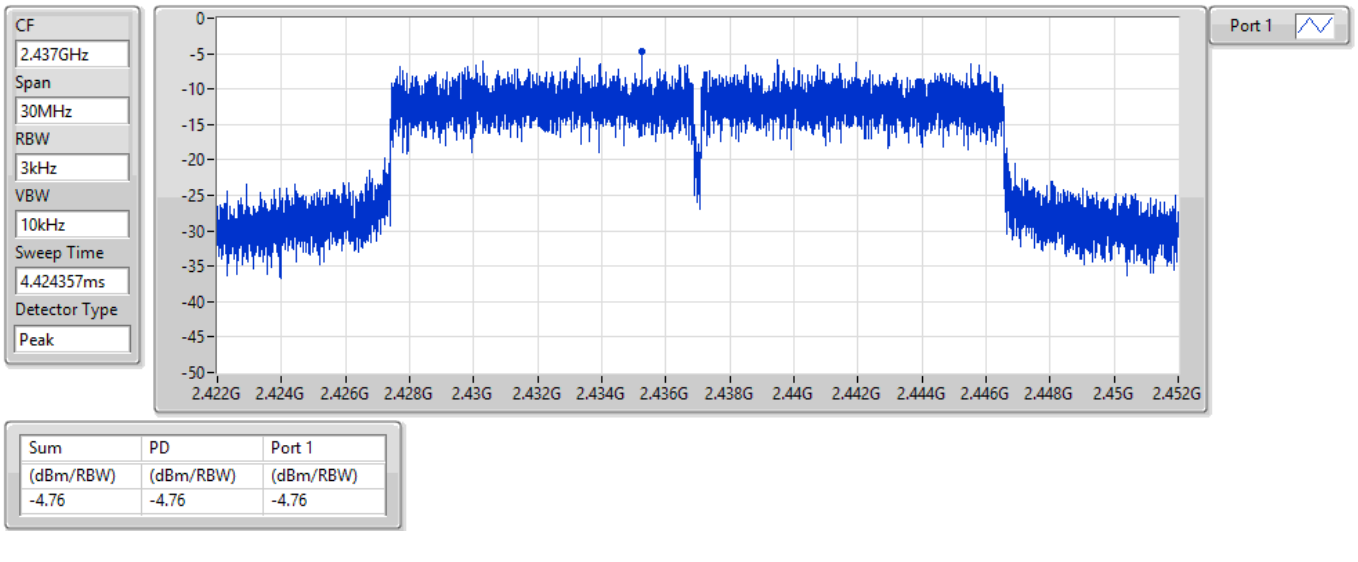
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.70	-8.70	-8.70

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

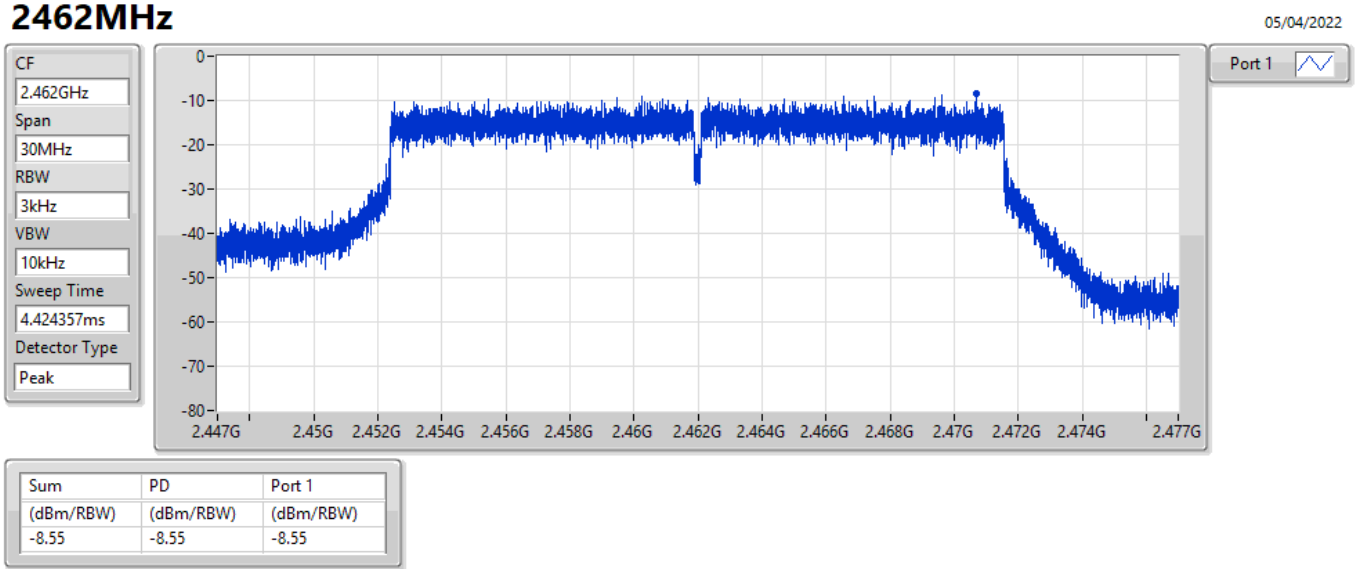
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.76	-4.76	-4.76

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

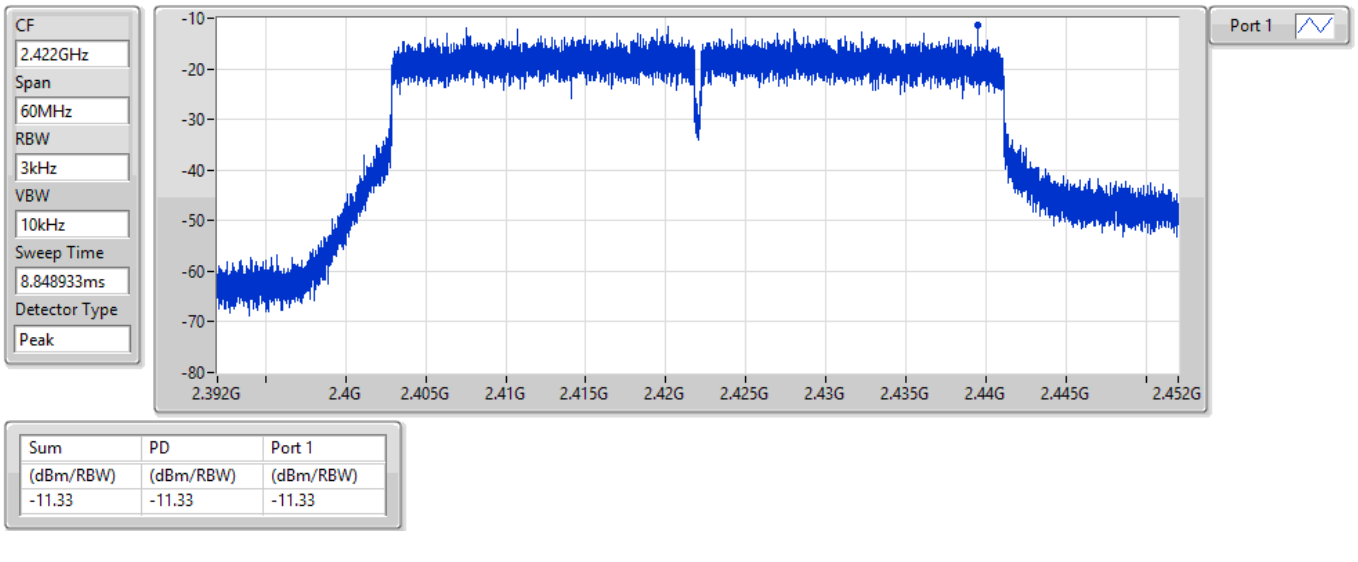
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.55	-8.55	-8.55

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

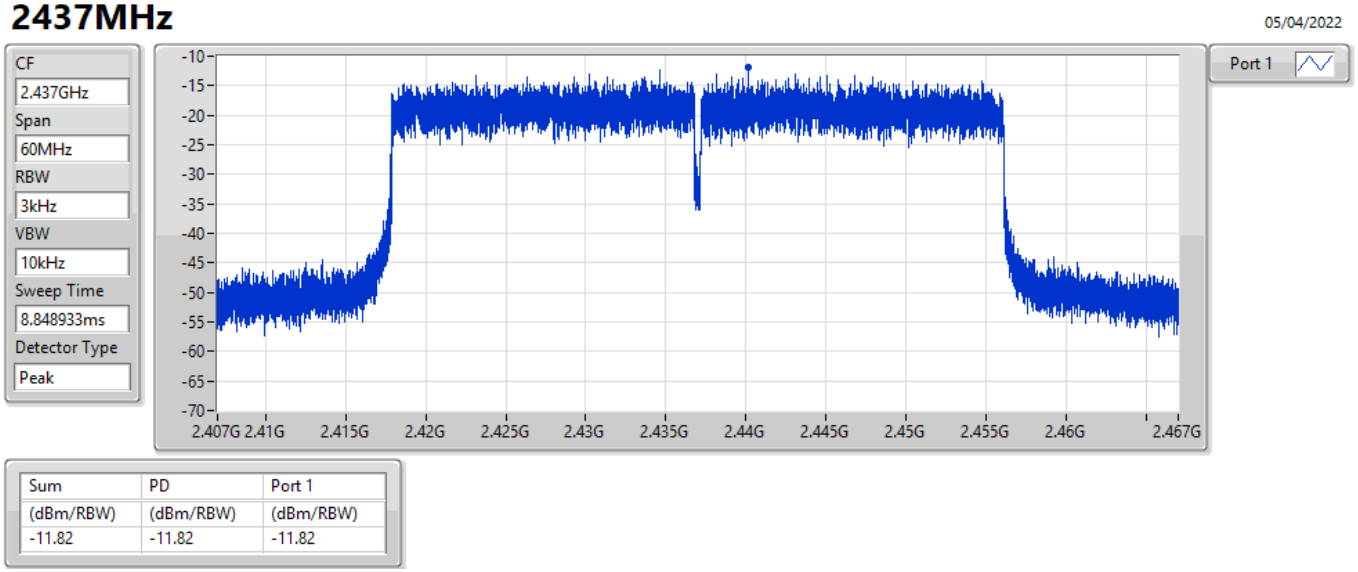
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.33	-11.33	-11.33

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

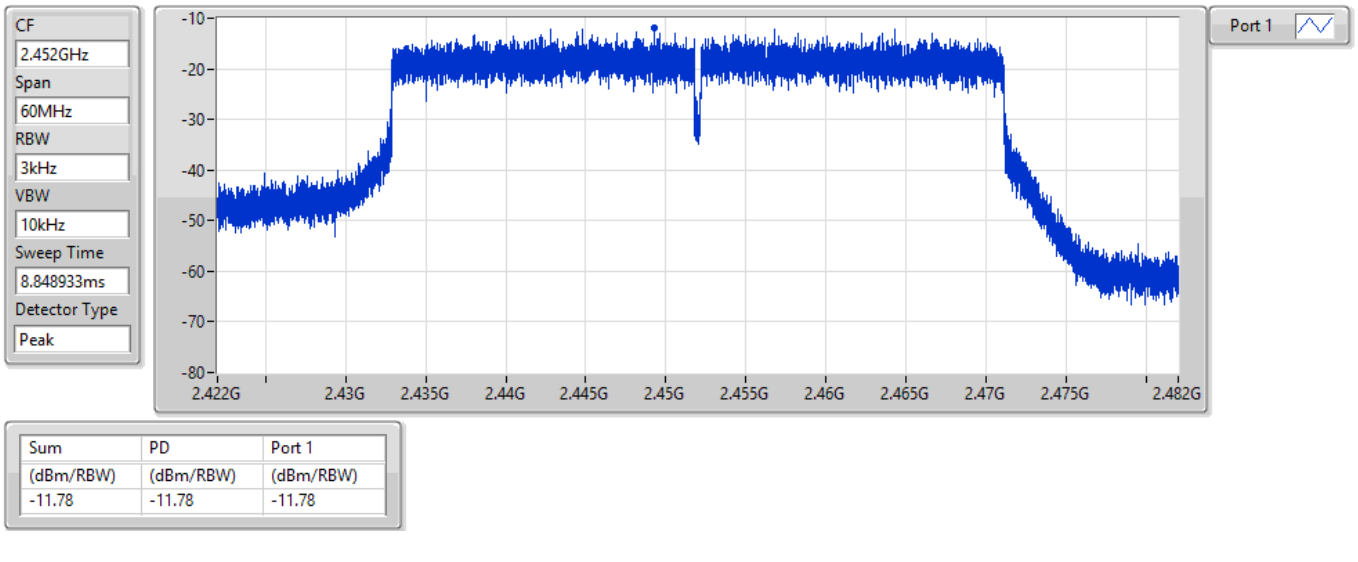
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.82	-11.82	-11.82

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.78	-11.78	-11.78

Summary

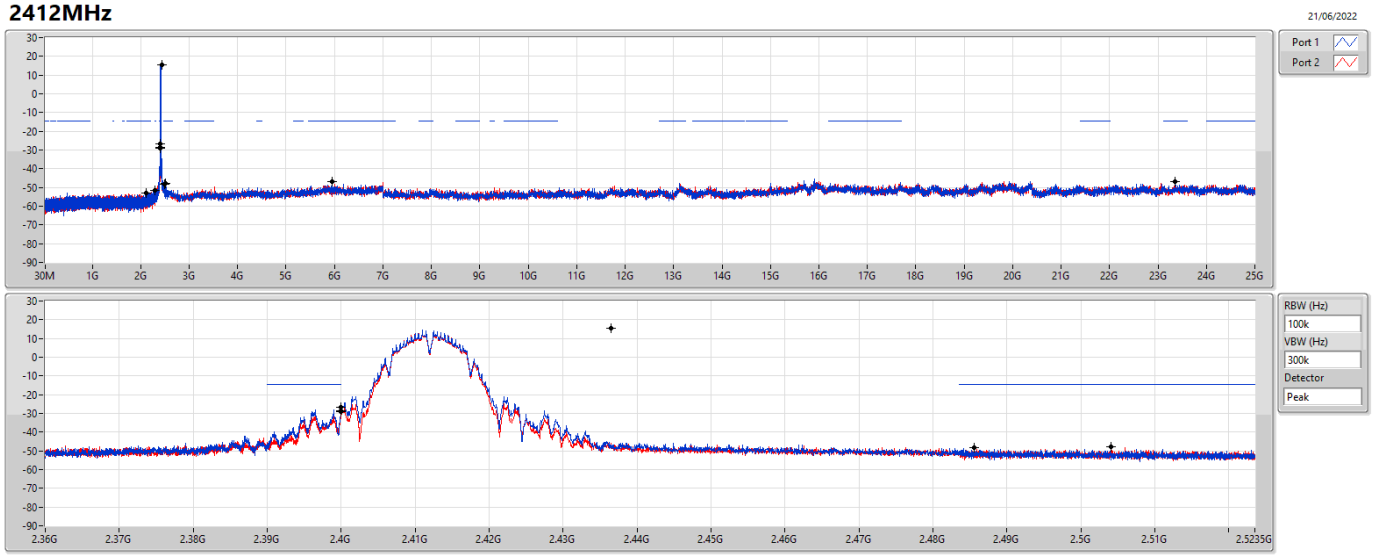
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43649G	15.40	-14.60	2.30204G	-51.67	2.4G	-26.65	2.4G	-26.62	2.48554G	-48.30	5.95117G	-46.69	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	10.36	-19.64	2.30758G	-51.98	2.39828G	-34.41	2.4G	-36.51	2.4879G	-38.48	13.13522G	-47.34	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.4395G	7.59	-22.41	2.00584G	-53.23	2.397G	-35.44	2.4G	-39.61	2.48454G	-50.87	17.67547G	-46.82	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43449G	1.44	-28.56	782.84M	-53.21	2.4G	-37.13	2.4G	-38.47	2.53578G	-50.72	16.37597G	-47.34	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	2.43649G	15.40	-14.60	2.30204G	-51.67	2.4G	-26.65	2.4G	-26.62	2.48554G	-48.30	5.95117G	-46.69	1
2412MHz	Pass	2.43649G	15.40	-14.60	2.11448G	-52.92	2.4G	-29.01	2.4G	-28.81	2.50408G	-47.87	23.34517G	-46.85	2
2437MHz	Pass	2.43649G	15.40	-14.60	2.30117G	-51.70	2.39948G	-34.21	2.4G	-43.10	2.48554G	-40.77	21.95443G	-47.41	1
2437MHz	Pass	2.43649G	15.40	-14.60	2.30233G	-50.40	2.3995G	-40.11	2.4G	-44.68	2.48568G	-45.00	16.36902G	-47.31	2
2462MHz	Pass	2.43649G	15.40	-14.60	2.30525G	-52.62	2.39412G	-48.65	2.4835G	-43.04	2.48354G	-43.34	17.05175G	-46.51	1
2462MHz	Pass	2.43649G	15.40	-14.60	2.16253G	-51.81	2.39698G	-48.14	2.4835G	-48.33	2.4835G	-46.03	16.47298G	-46.58	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	10.36	-19.64	1.71051G	-52.02	2.3989G	-36.21	2.4G	-36.31	2.50614G	-49.75	17.69233G	-46.52	1
2412MHz	Pass	2.442G	10.36	-19.64	939.57M	-52.82	2.4G	-36.77	2.4G	-38.53	2.5053G	-49.87	6.87832G	-47.30	2
2437MHz	Pass	2.442G	10.36	-19.64	2.30758G	-51.98	2.39828G	-34.41	2.4G	-36.51	2.4879G	-38.48	13.13522G	-47.34	1
2437MHz	Pass	2.442G	10.36	-19.64	2.30961G	-51.61	2.39886G	-34.69	2.4G	-37.24	2.4882G	-37.52	17.6558G	-46.81	2
2462MHz	Pass	2.442G	10.36	-19.64	2.30204G	-52.34	2.39064G	-50.81	2.4835G	-44.72	2.48472G	-43.01	24.67971G	-46.81	1
2462MHz	Pass	2.442G	10.36	-19.64	2.1369G	-53.05	2.39936G	-50.82	2.4835G	-45.35	2.48374G	-43.72	24.54766G	-47.66	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	7.59	-22.41	2.00584G	-53.23	2.397G	-35.44	2.4G	-39.61	2.48454G	-50.87	17.67547G	-46.82	1
2412MHz	Pass	2.4395G	7.59	-22.41	1.76993G	-53.04	2.39696G	-37.19	2.4G	-39.90	2.48452G	-50.15	24.764G	-47.21	2
2437MHz	Pass	2.4395G	7.59	-22.41	2.18758G	-52.01	2.39858G	-38.28	2.4G	-40.78	2.48626G	-44.18	16.32688G	-47.07	1
2437MHz	Pass	2.4395G	7.59	-22.41	2.30233G	-52.70	2.39466G	-40.15	2.4G	-44.76	2.48388G	-43.28	24.705G	-46.77	2
2462MHz	Pass	2.4395G	7.59	-22.41	1.79294G	-53.02	2.39338G	-50.46	2.4835G	-45.39	2.48518G	-43.68	5.9315G	-46.31	1
2462MHz	Pass	2.4395G	7.59	-22.41	2.30583G	-53.18	2.3902G	-50.08	2.4835G	-46.72	2.48352G	-43.71	21.88139G	-47.84	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	1.44	-28.56	1.62728G	-53.33	2.39976G	-39.76	2.4G	-37.72	2.50718G	-50.14	16.37317G	-46.20	1
2422MHz	Pass	2.43449G	1.44	-28.56	782.84M	-53.21	2.4G	-37.13	2.4G	-38.47	2.53578G	-50.72	16.37597G	-47.34	2
2437MHz	Pass	2.43449G	1.44	-28.56	2.3054G	-52.45	2.3998G	-38.22	2.4G	-42.42	2.48574G	-41.59	17.65205G	-47.11	1
2437MHz	Pass	2.43449G	1.44	-28.56	2.30168G	-52.66	2.39572G	-40.88	2.4G	-43.93	2.48574G	-42.47	16.37597G	-47.83	2
2452MHz	Pass	2.43449G	1.44	-28.56	2.13823G	-53.69	2.39952G	-40.70	2.4G	-44.53	2.48946G	-41.69	5.89252G	-47.41	1
2452MHz	Pass	2.43449G	1.44	-28.56	782.84M	-53.49	2.39948G	-42.46	2.4G	-45.77	2.4895G	-42.65	16.46011G	-46.27	2

802.11b_Nss1,(1Mbps)_2TX **CSENdB**

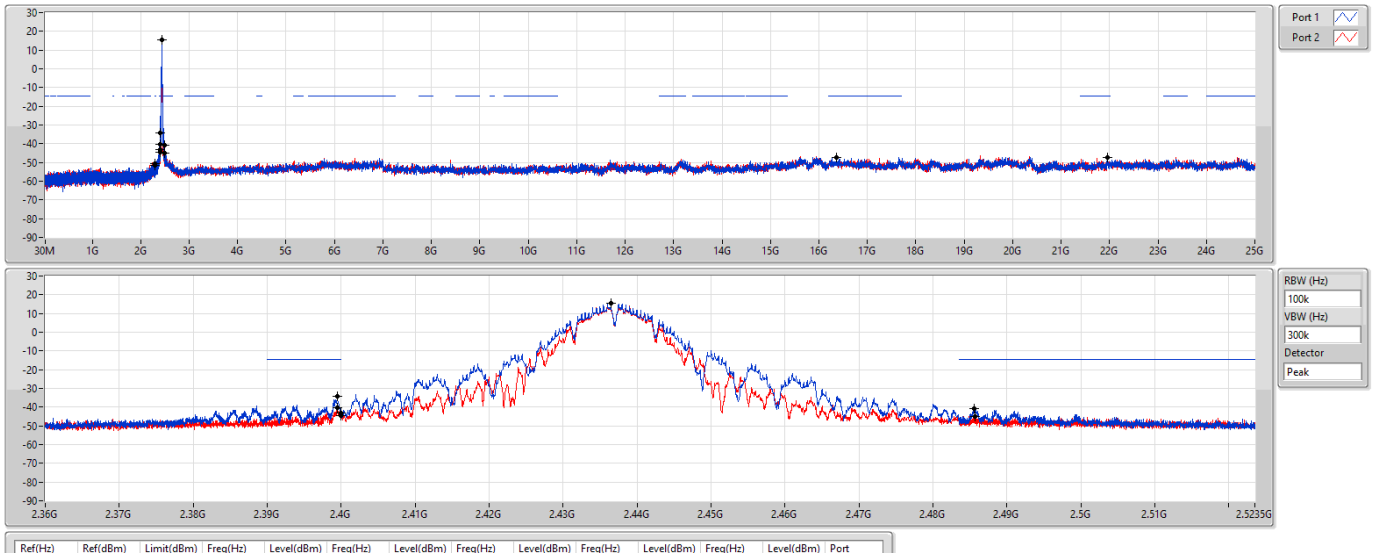
2412MHz



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
2.43649G	15.40	-14.60	2.30204G	-51.67	2.4G	-26.65	2.4G	-26.62	2.48554G	-48.30	5.95117G	-46.69	1
2.43649G	15.40	-14.60	2.11448G	-52.92	2.4G	-29.01	2.4G	-28.81	2.50408G	-47.87	23.34517G	-46.85	2

802.11b_Nss1,(1Mbps)_2TX **CSENdB**

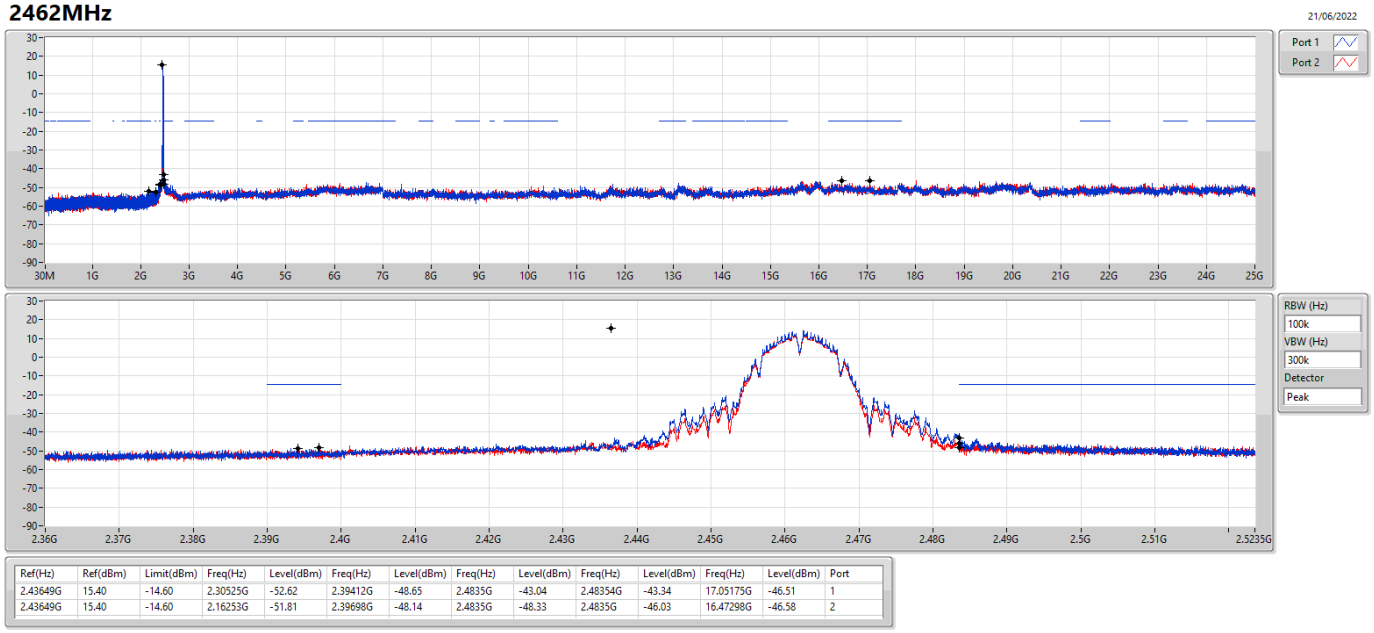
2437MHz



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
2.43649G	15.40	-14.60	2.30117G	-51.70	2.39948G	-34.21	2.4G	-43.10	2.48554G	-40.77	21.95443G	-47.41	1
2.43649G	15.40	-14.60	2.30233G	-50.40	2.3995G	-40.11	2.4G	-44.68	2.48568G	-45.00	16.36902G	-47.31	2

802.11b_Nss1,(1Mbps)_2TX **CSENdB**

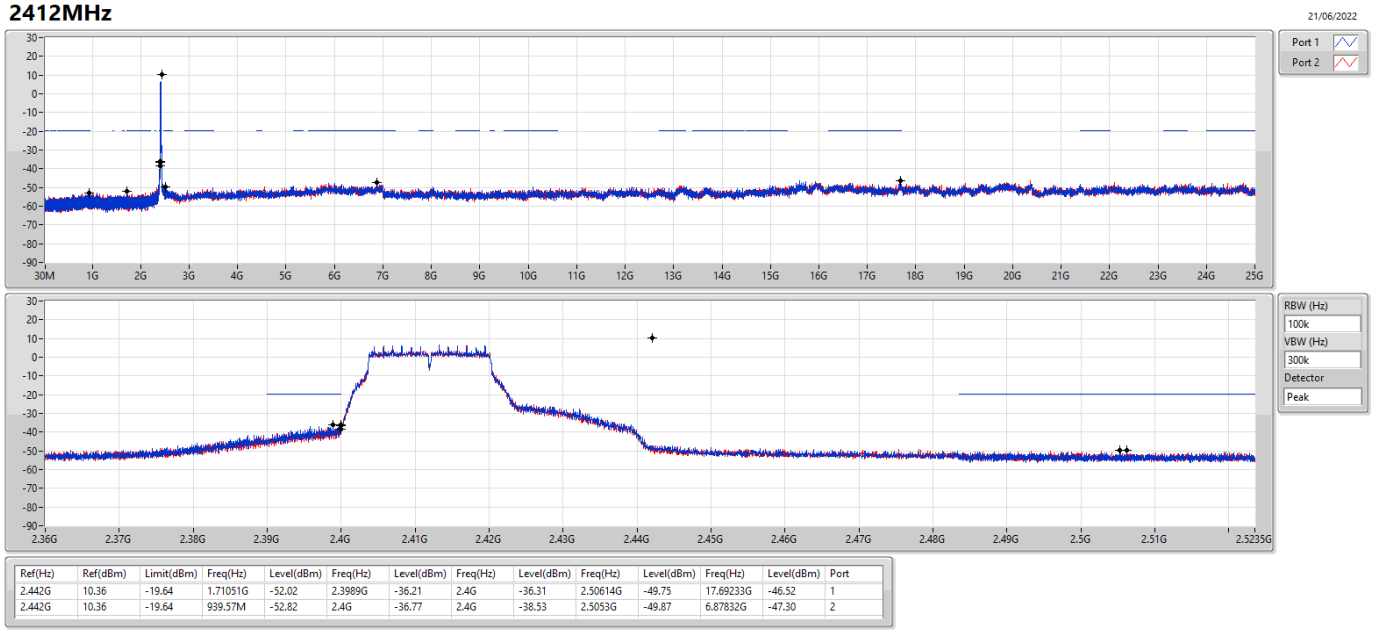
2462MHz



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
2.43649G	15.40	-14.60	2.30525G	-52.62	2.39412G	-48.65	2.4835G	-43.04	2.48354G	-43.34	17.05175G	-46.51	1
2.43649G	15.40	-14.60	2.16253G	-51.81	2.39698G	-48.14	2.4835G	-48.33	2.4835G	-46.03	16.47298G	-46.58	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

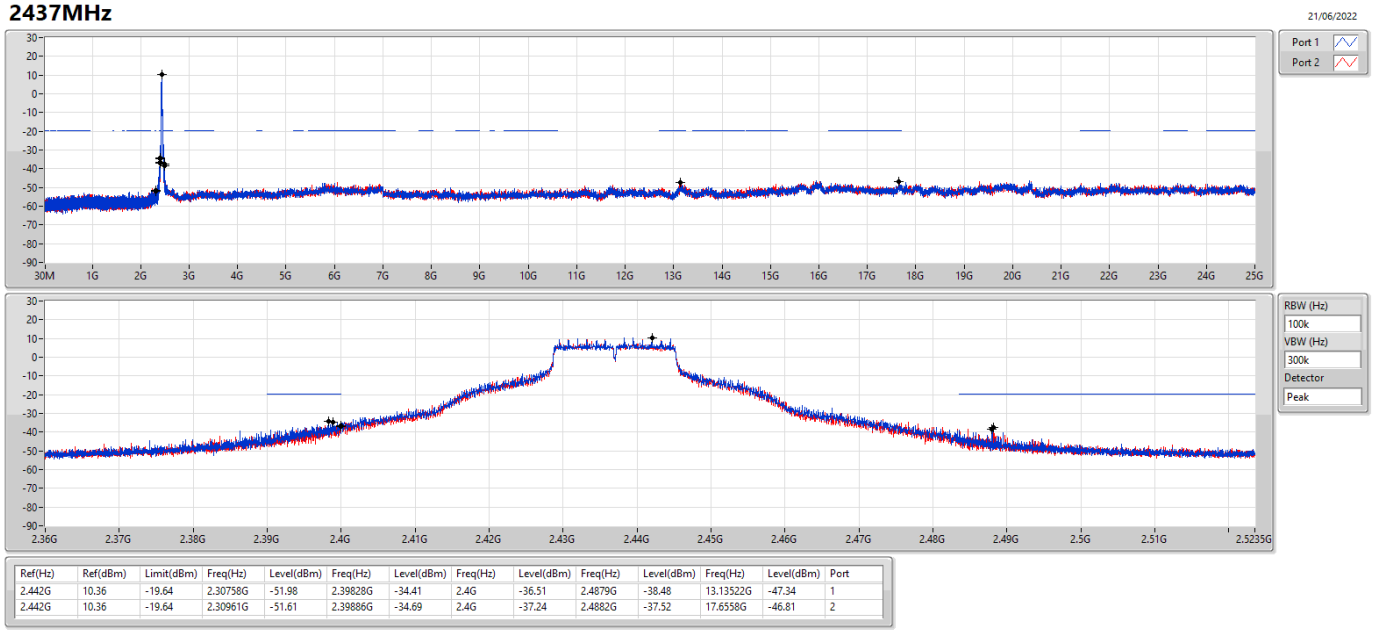
2412MHz



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
2.442G	10.36	-19.64	1.71051G	-52.02	2.3989G	-36.21	2.4G	-36.31	2.50614G	-49.75	17.69233G	-46.52	1
2.442G	10.36	-19.64	939.57M	-52.82	2.4G	-36.77	2.4G	-38.53	2.5053G	-49.87	6.87832G	-47.30	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

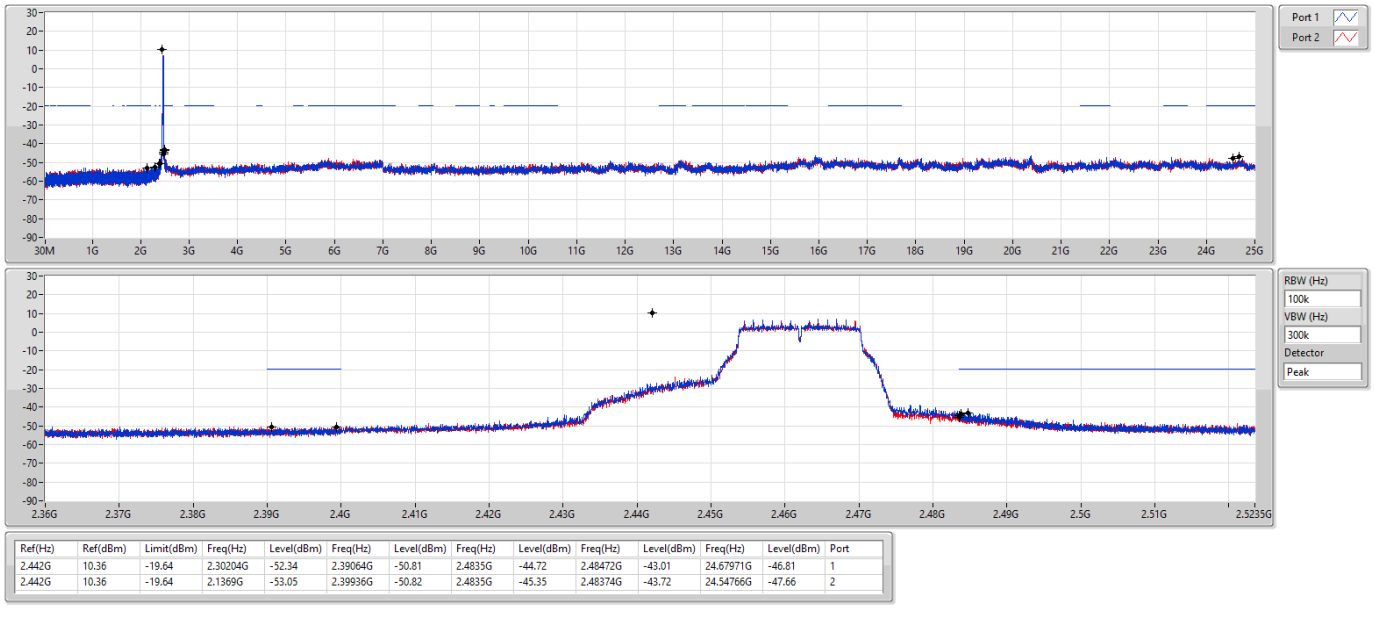
2437MHz



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
2.442G	10.36	-19.64	2.30758G	-51.98	2.39828G	-34.41	2.4G	-36.51	2.4879G	-38.48	13.13522G	-47.34	1
2.442G	10.36	-19.64	2.30961G	-51.61	2.39886G	-34.69	2.4G	-37.24	2.4882G	-37.52	17.6558G	-46.81	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

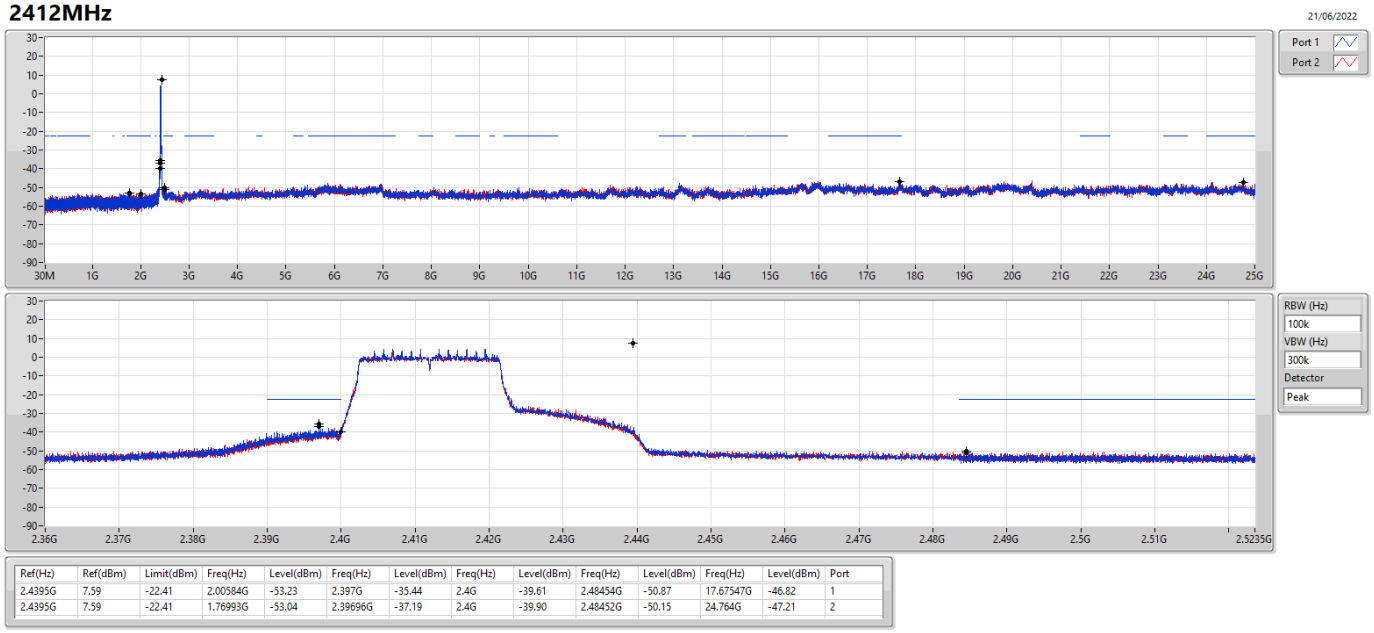
2462MHz



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
2.442G	10.36	-19.64	2.30204G	-52.34	2.39064G	-50.81	2.4835G	-44.72	2.48472G	-43.01	24.67971G	-46.81	1
2.442G	10.36	-19.64	2.1369G	-53.05	2.39936G	-50.82	2.4835G	-45.35	2.48374G	-43.72	24.54766G	-47.66	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

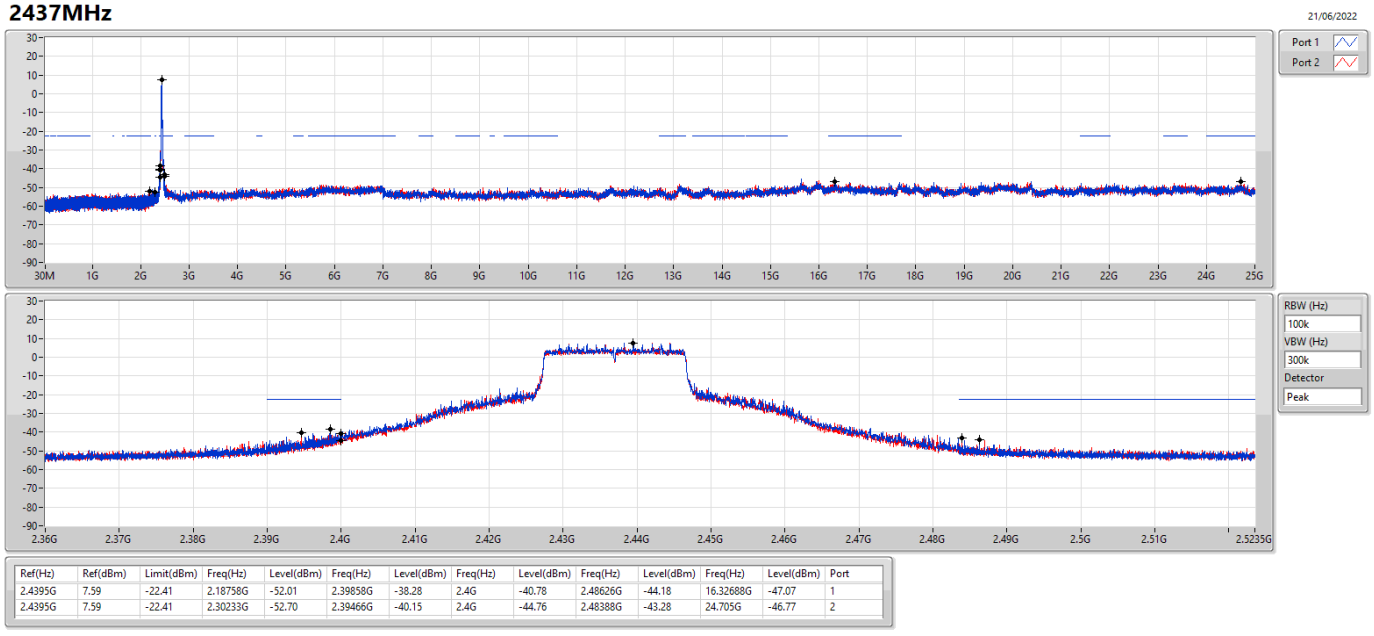
2412MHz



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
2.4395G	7.59	-22.41	2.00584G	-53.23	2.397G	-35.44	2.4G	-39.61	2.48454G	-50.87	17.67547G	-46.82	1
2.4395G	7.59	-22.41	1.76993G	-53.04	2.39696G	-37.19	2.4G	-39.90	2.48452G	-50.15	24.764G	-47.21	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

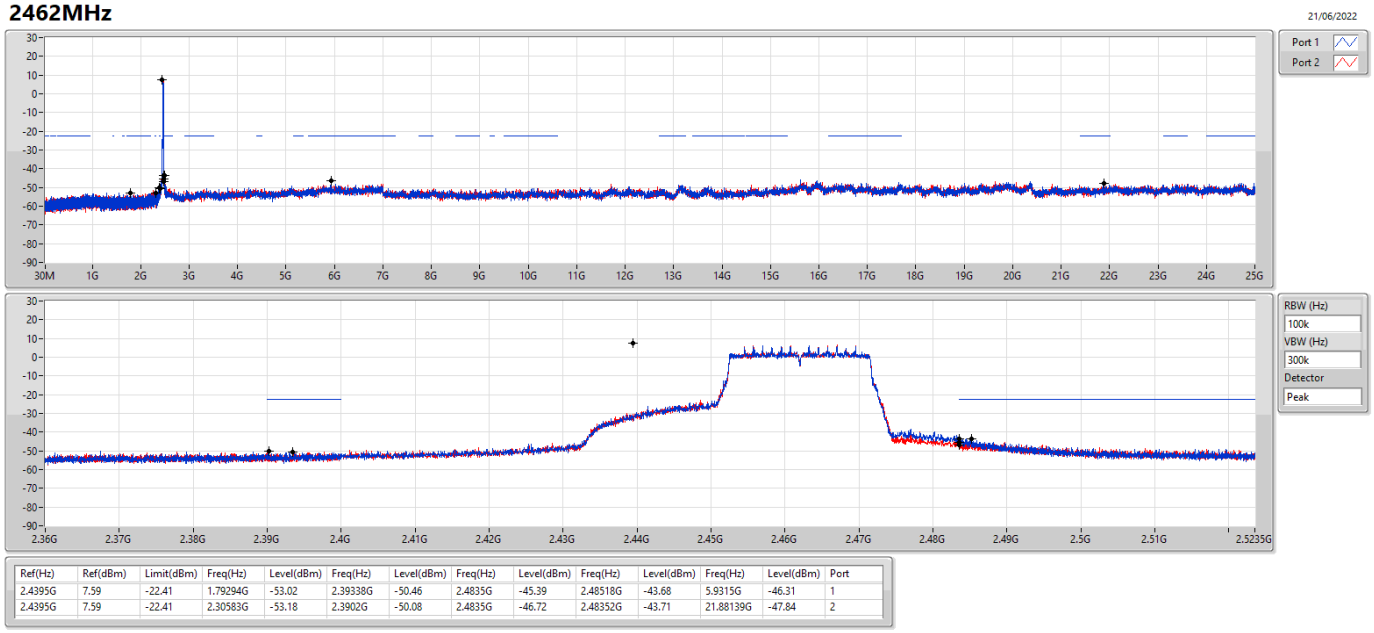
2437MHz



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
2.4395G	7.59	-22.41	2.18758G	-52.01	2.39858G	-38.28	2.4G	-40.78	2.48626G	-44.18	16.32688G	-47.07	1
2.4395G	7.59	-22.41	2.30233G	-52.70	2.39466G	-40.15	2.4G	-44.76	2.48388G	-43.28	24.705G	-46.77	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

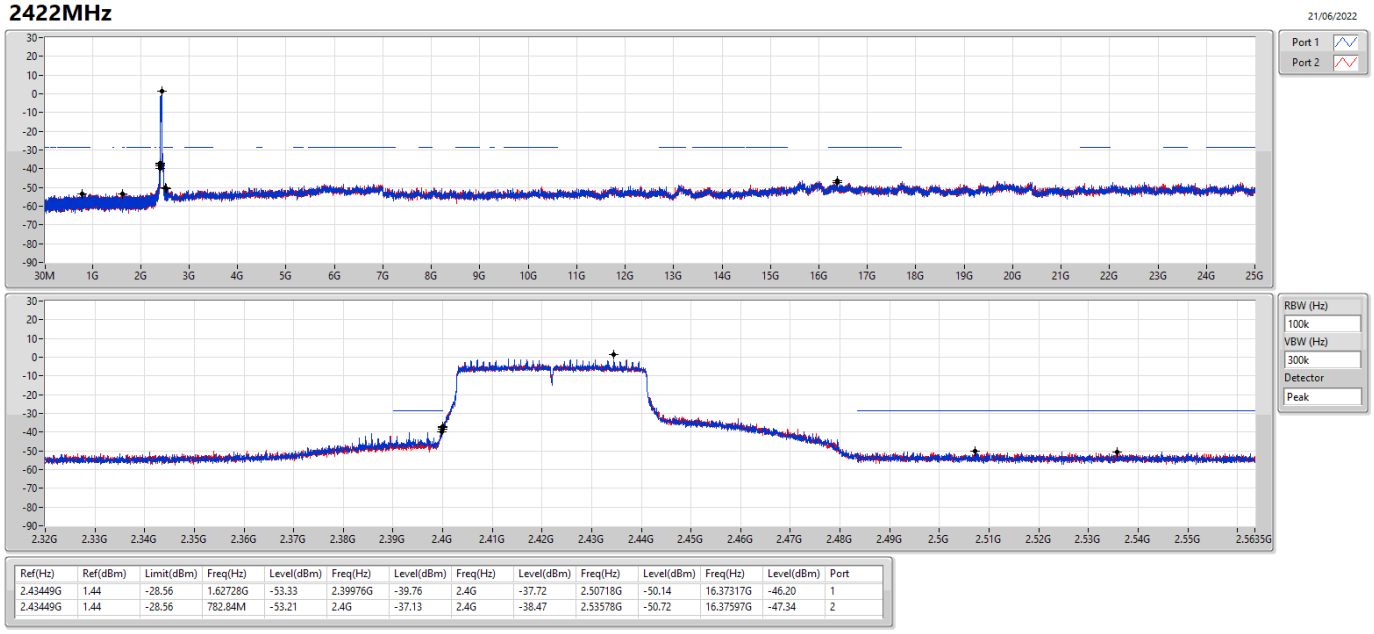
2462MHz



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
2.4395G	7.59	-22.41	1.79294G	-53.02	2.39338G	-50.46	2.4835G	-45.39	2.48518G	-43.68	5.9315G	-46.31	1
2.4395G	7.59	-22.41	2.30583G	-53.18	2.3902G	-50.08	2.4835G	-46.72	2.48352G	-43.71	21.88139G	-47.84	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

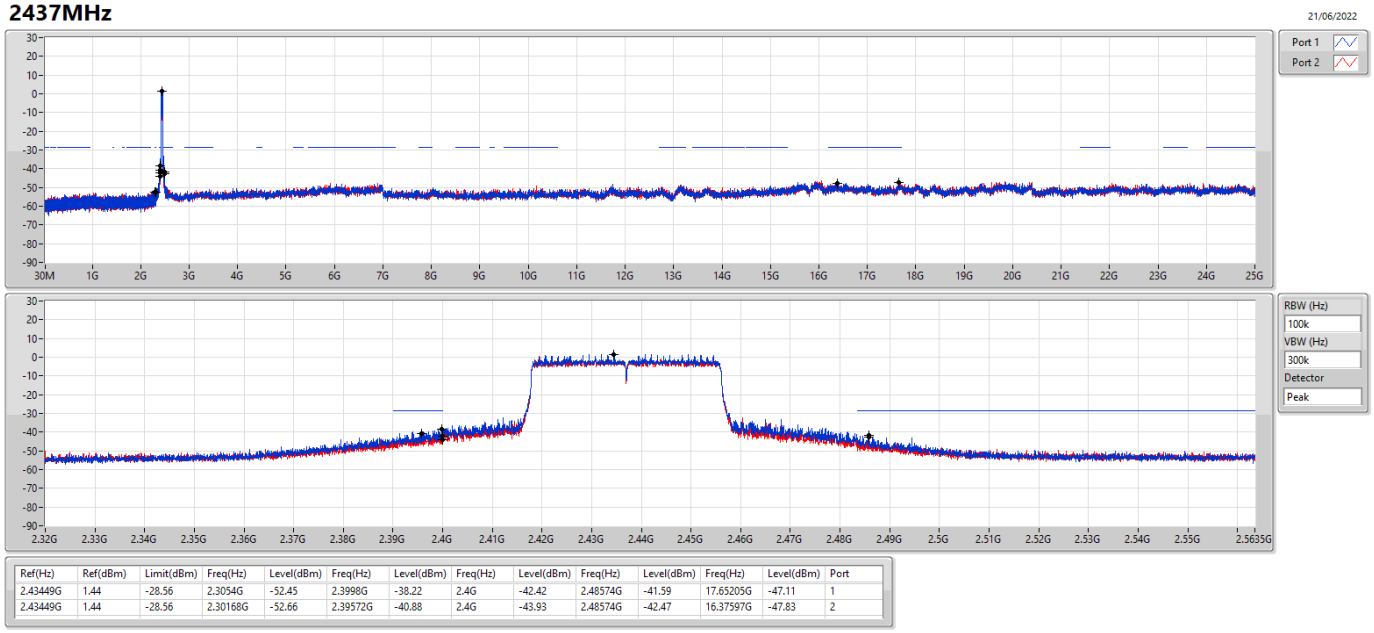
2422MHz



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
2.43449G	1.44	-28.56	1.62728G	-53.33	2.39976G	-39.76	2.4G	-37.72	2.50718G	-50.14	16.37317G	-46.20	1
2.43449G	1.44	-28.56	782.84M	-53.21	2.4G	-37.13	2.4G	-38.47	2.53578G	-50.72	16.37597G	-47.34	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

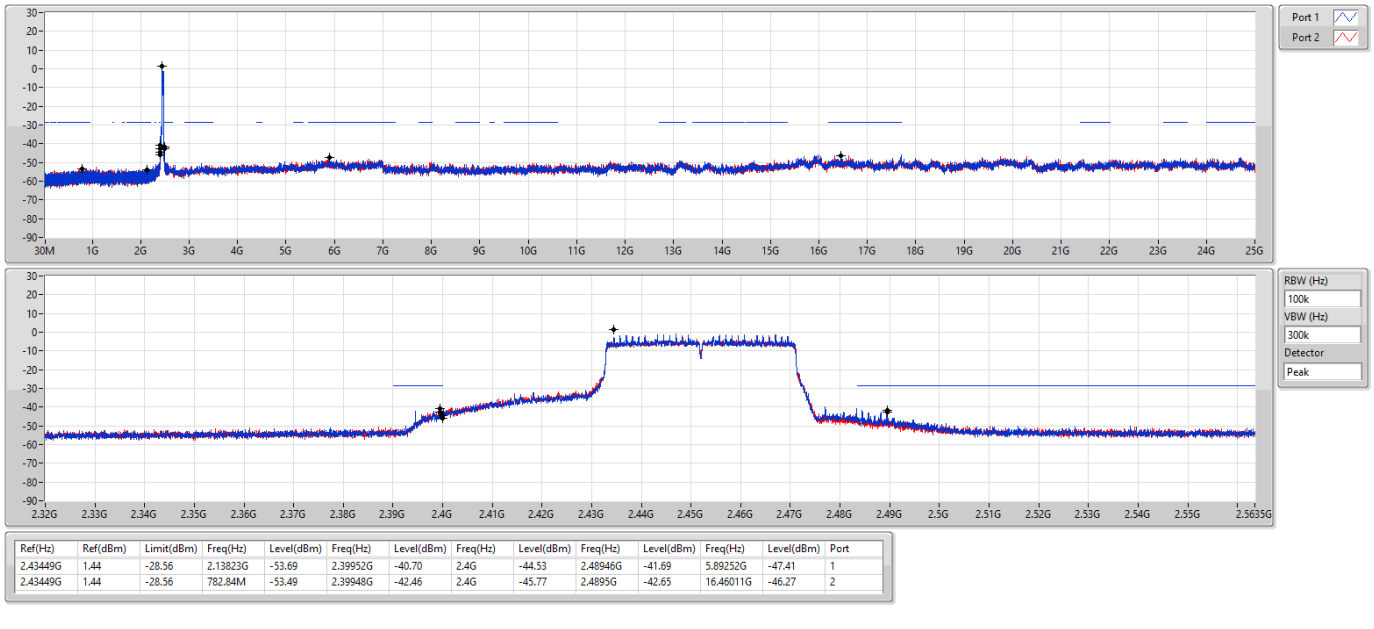
2437MHz



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
2.43449G	1.44	-28.56	2.3054G	-52.45	2.3998G	-38.22	2.4G	-42.42	2.48574G	-41.59	17.65205G	-47.11	1
2.43449G	1.44	-28.56	2.30168G	-52.66	2.39572G	-40.88	2.4G	-43.93	2.48574G	-42.47	16.37597G	-47.83	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

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
2.43449G	1.44	-28.56	2.13823G	-53.69	2.39952G	-40.70	2.4G	-44.53	2.48946G	-41.69	5.89252G	-47.41	1
2.43449G	1.44	-28.56	782.84M	-53.49	2.39948G	-42.46	2.4G	-45.77	2.4895G	-42.65	16.46011G	-46.27	2

Summary

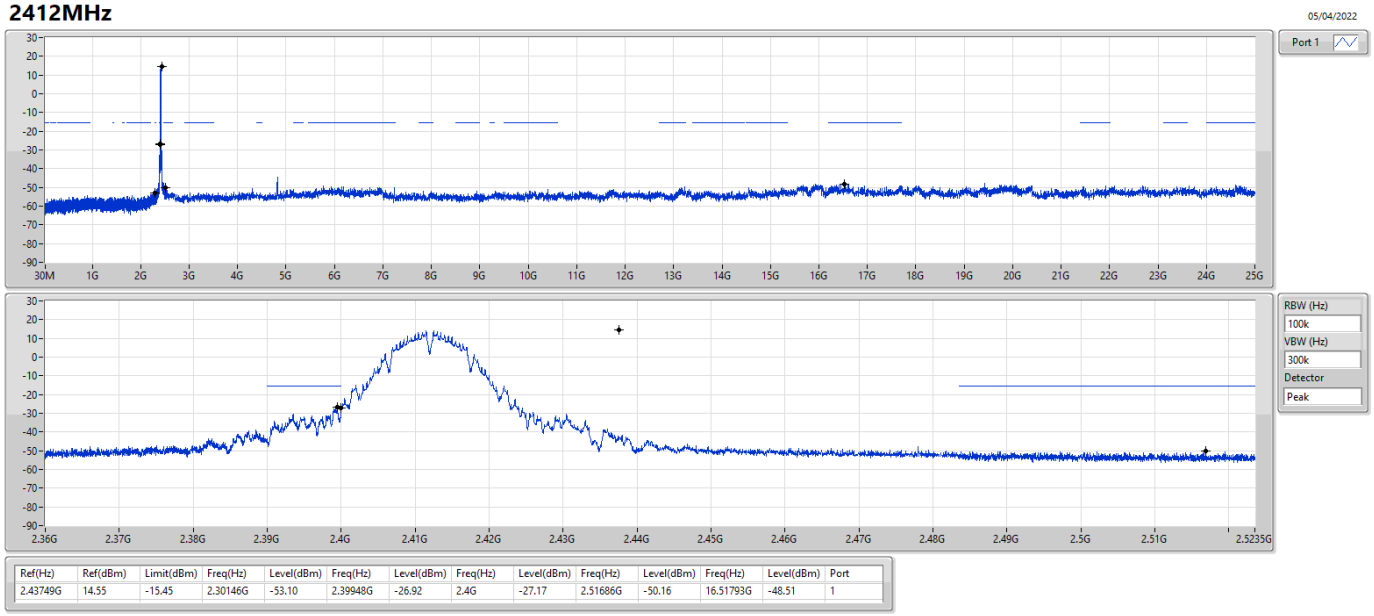
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	14.55	-15.45	2.30146G	-53.10	2.39948G	-26.92	2.4G	-27.17	2.51686G	-50.16	16.51793G	-48.51	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.4395G	10.63	-19.37	2.30379G	-52.89	2.39984G	-25.46	2.4G	-27.76	2.50198G	-51.07	16.38026G	-48.65	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.442G	10.48	-19.52	2.30699G	-53.03	2.4G	-30.29	2.4G	-29.06	2.48364G	-50.70	17.67266G	-48.36	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.44325G	3.35	-26.65	2.30626G	-53.51	2.39952G	-31.46	2.4G	-30.60	2.4905G	-49.97	16.38438G	-48.40	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	14.55	-15.45	2.30146G	-53.10	2.39948G	-26.92	2.4G	-27.17	2.51686G	-50.16	16.51793G	-48.51	1
2437MHz	Pass	2.43749G	14.55	-15.45	2.30204G	-51.76	2.39648G	-39.38	2.4G	-41.07	2.48552G	-41.37	16.57693G	-48.22	1
2462MHz	Pass	2.43749G	14.55	-15.45	2.30117G	-52.83	2.39262G	-50.35	2.4835G	-40.75	2.4835G	-39.10	16.34093G	-48.12	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	10.63	-19.37	2.30379G	-52.89	2.39984G	-25.46	2.4G	-27.76	2.50198G	-51.07	16.38026G	-48.65	1
2437MHz	Pass	2.4395G	10.63	-19.37	2.30991G	-51.65	2.3995G	-31.76	2.4G	-34.92	2.48382G	-37.86	16.57693G	-47.52	1
2462MHz	Pass	2.4395G	10.63	-19.37	2.18205G	-53.71	2.3997G	-50.39	2.4835G	-37.92	2.48388G	-35.93	16.33812G	-48.29	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	10.48	-19.52	2.30699G	-53.03	2.4G	-30.29	2.4G	-29.06	2.48364G	-50.70	17.67266G	-48.36	1
2437MHz	Pass	2.442G	10.48	-19.52	2.30059G	-52.41	2.39844G	-29.08	2.4G	-33.48	2.48428G	-37.03	16.46174G	-48.43	1
2462MHz	Pass	2.442G	10.48	-19.52	2.07516G	-54.19	2.39544G	-50.26	2.4835G	-40.53	2.48408G	-37.69	17.6558G	-47.88	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44325G	3.35	-26.65	2.30626G	-53.51	2.39952G	-31.46	2.4G	-30.60	2.4905G	-49.97	16.38438G	-48.40	1
2437MHz	Pass	2.44325G	3.35	-26.65	2.19119G	-53.22	2.39952G	-31.02	2.4G	-35.02	2.48398G	-38.59	16.53583G	-48.36	1
2452MHz	Pass	2.44325G	3.35	-26.65	2.30454G	-53.70	2.39952G	-34.51	2.4G	-37.51	2.4895G	-37.92	5.93739G	-47.87	1

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

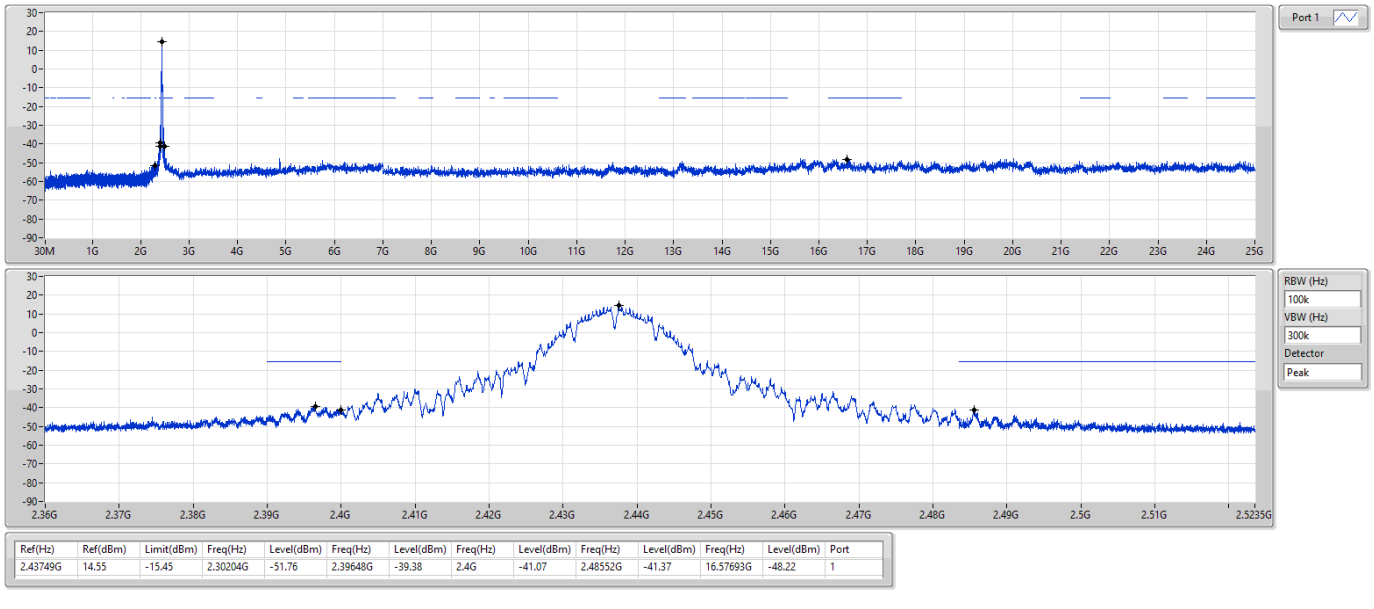
2412MHz



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	14.55	-15.45	2.30146G	-53.10	2.39948G	-26.92	2.4G	-27.17	2.51686G	-50.16	16.51793G	-48.51	1

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

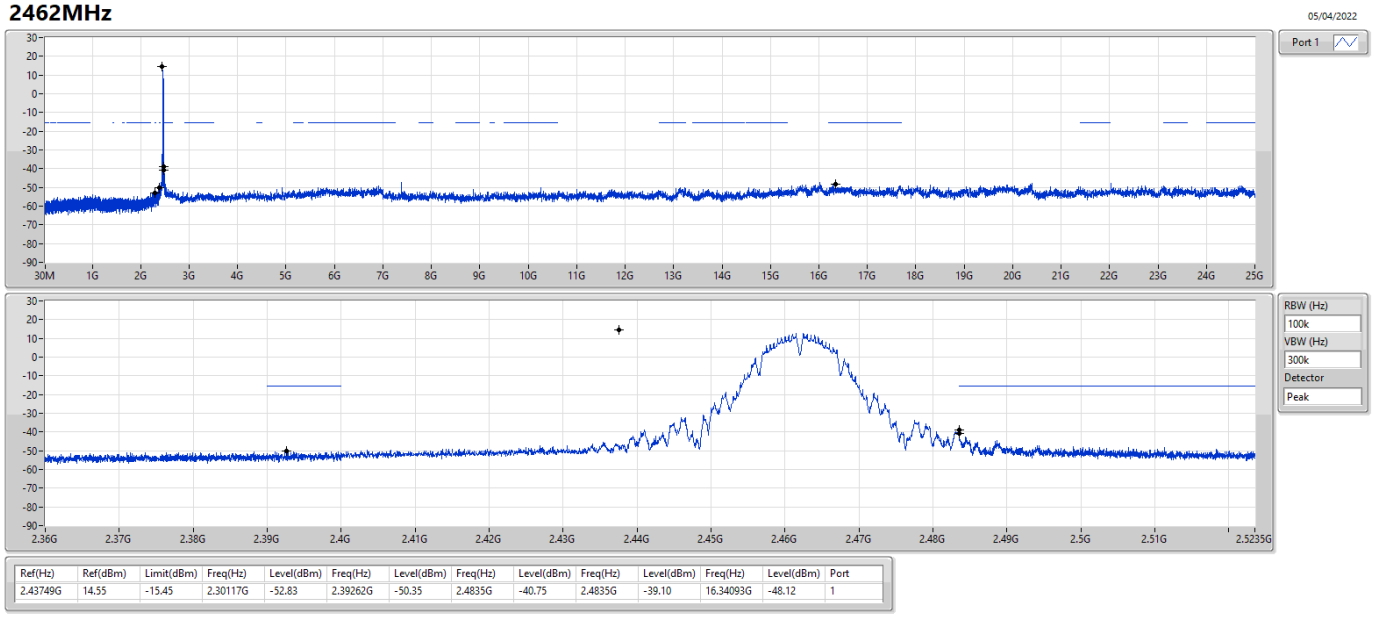
2437MHz



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	14.55	-15.45	2.30204G	-51.76	2.39648G	-39.38	2.4G	-41.07	2.48552G	-41.37	16.57693G	-48.22	1

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

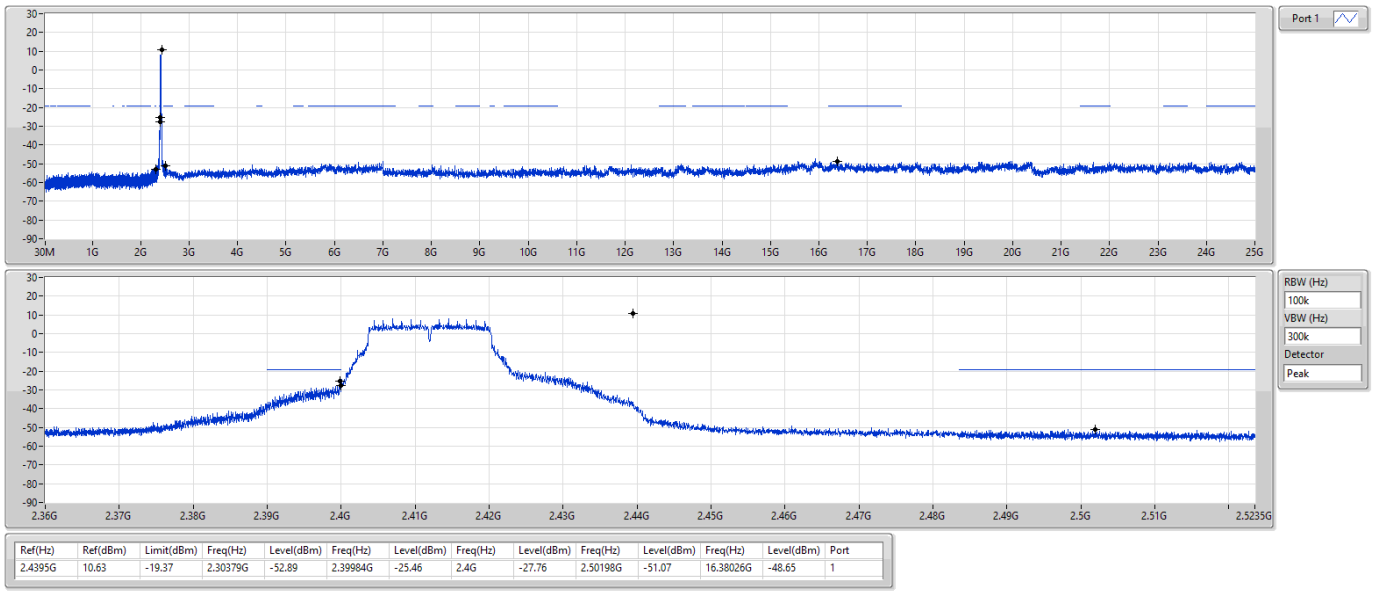
2462MHz



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	14.55	-15.45	2.30117G	-52.83	2.39262G	-50.35	2.4835G	-40.75	2.4835G	-39.10	16.34093G	-48.12	1

802.11g_Nss1,(6Mbps)_1TX **CSENdB**

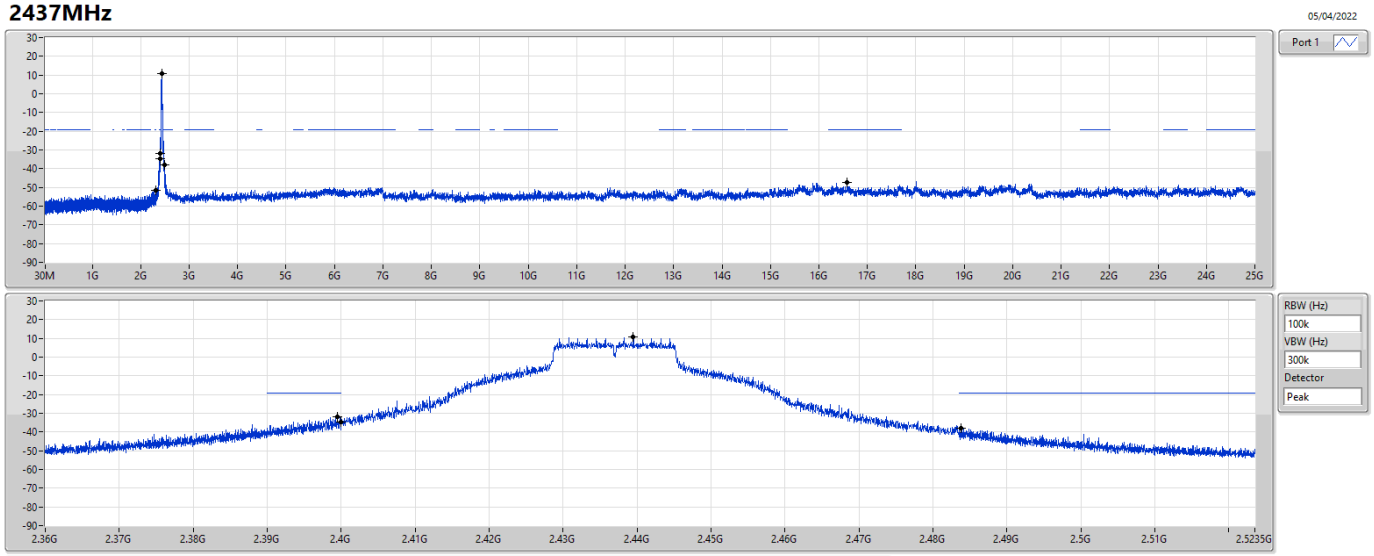
2412MHz



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
2.4395G	10.63	-19.37	2.30379G	-52.89	2.39984G	-25.46	2.4G	-27.76	2.50198G	-51.07	16.38026G	-48.65	1

802.11g_Nss1,(6Mbps)_1TX **CSENdB**

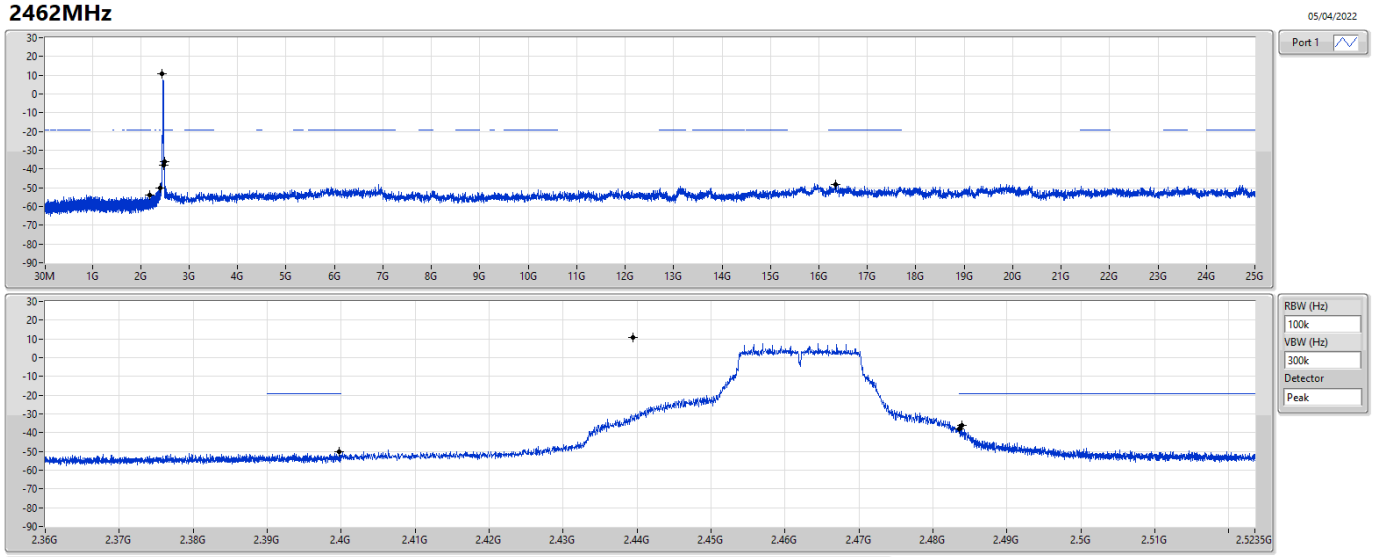
2437MHz



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
2.4395G	10.63	-19.37	2.30991G	-51.65	2.3995G	-31.76	2.4G	-34.92	2.48382G	-37.86	16.57693G	-47.52	1

802.11g_Nss1,(6Mbps)_1TX **CSENdB**

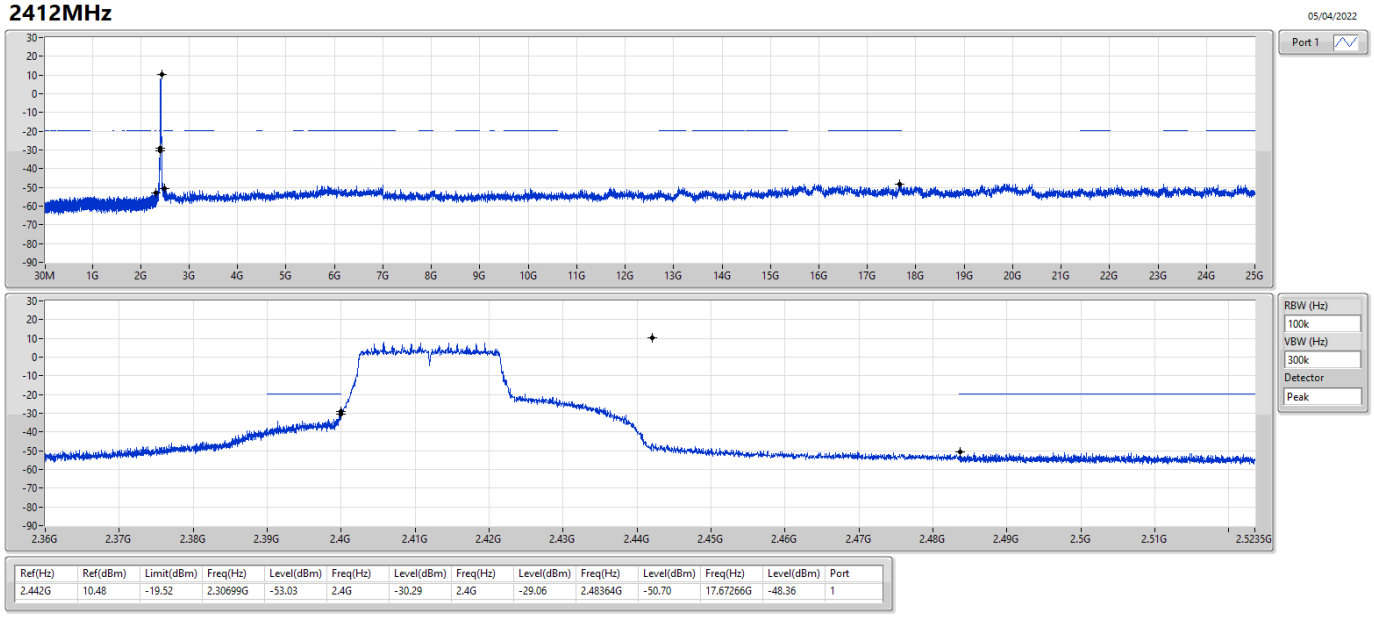
2462MHz



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
2.4395G	10.63	-19.37	2.18205G	-53.71	2.3997G	-50.39	2.4835G	-37.92	2.48388G	-35.93	16.33812G	-48.29	1

802.11ax HEW20_Nss1,(MCS0)_1TX **CSENdB**

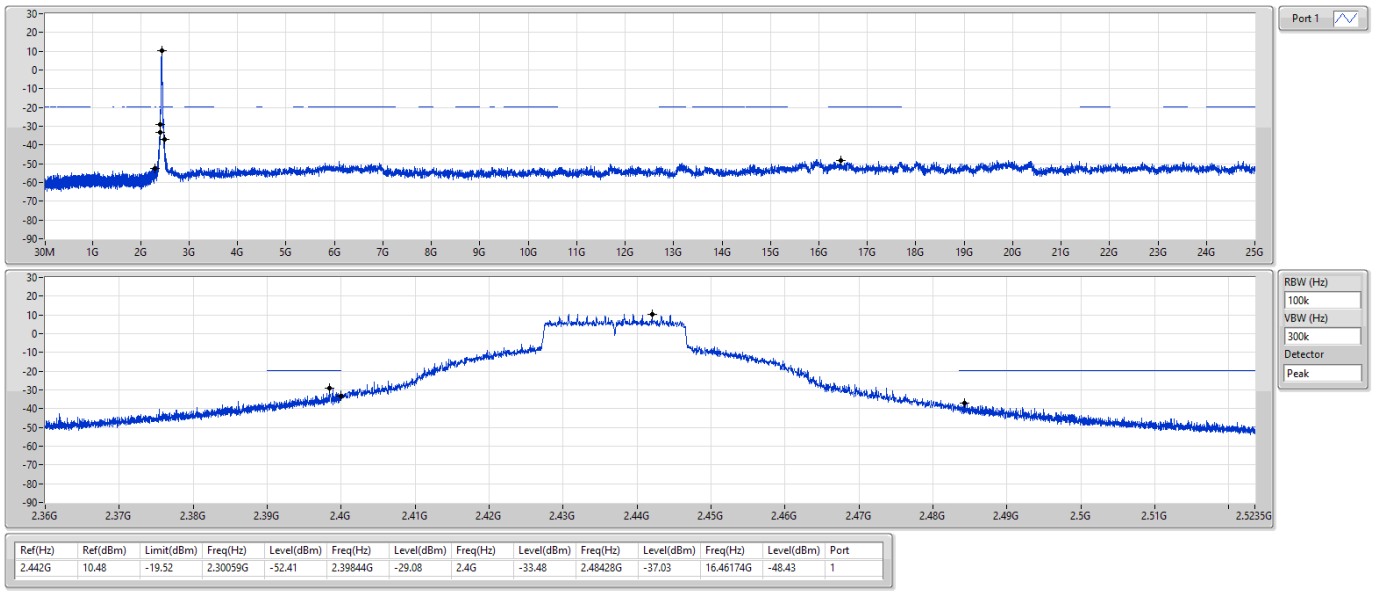
2412MHz



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
2.442G	10.48	-19.52	2.30699G	-53.03	2.4G	-30.29	2.4G	-29.06	2.48364G	-50.70	17.67266G	-48.36	1

802.11ax HEW20_Nss1,(MCS0)_1TX **CSENdB**

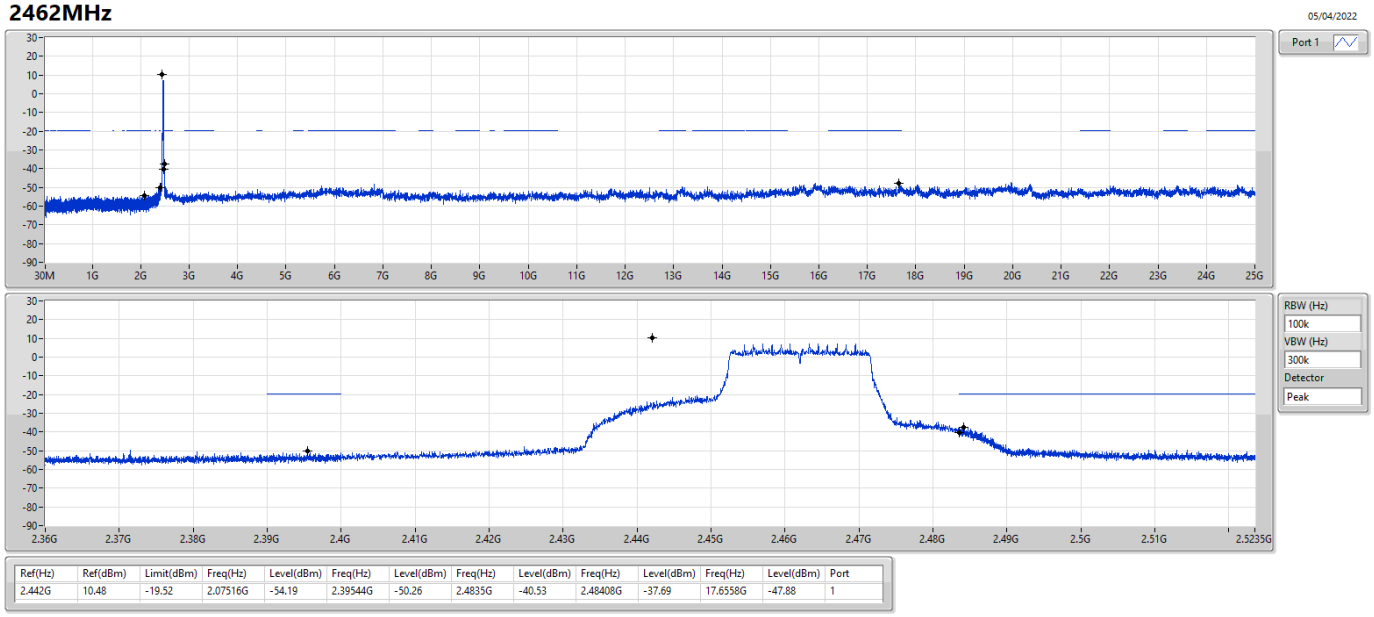
2437MHz



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
2.442G	10.48	-19.52	2.30059G	-52.41	2.39844G	-29.08	2.4G	-33.48	2.48428G	-37.03	16.46174G	-48.43	1

802.11ax HEW20_Nss1,(MCS0)_1TX **CSENdB**

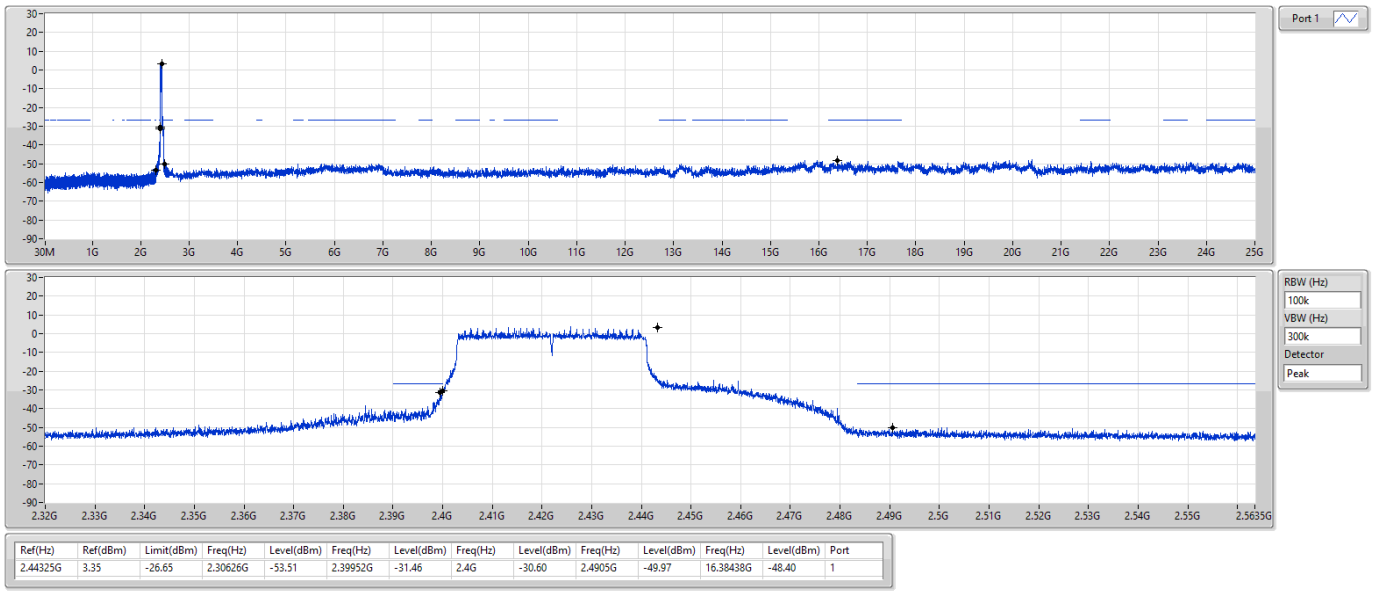
2462MHz



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
2.442G	10.48	-19.52	2.07516G	-54.19	2.39544G	-50.26	2.4835G	-40.53	2.48408G	-37.69	17.6558G	-47.88	1

802.11ax HEW40_Nss1,(MCS0)_1TX **CSENdB**

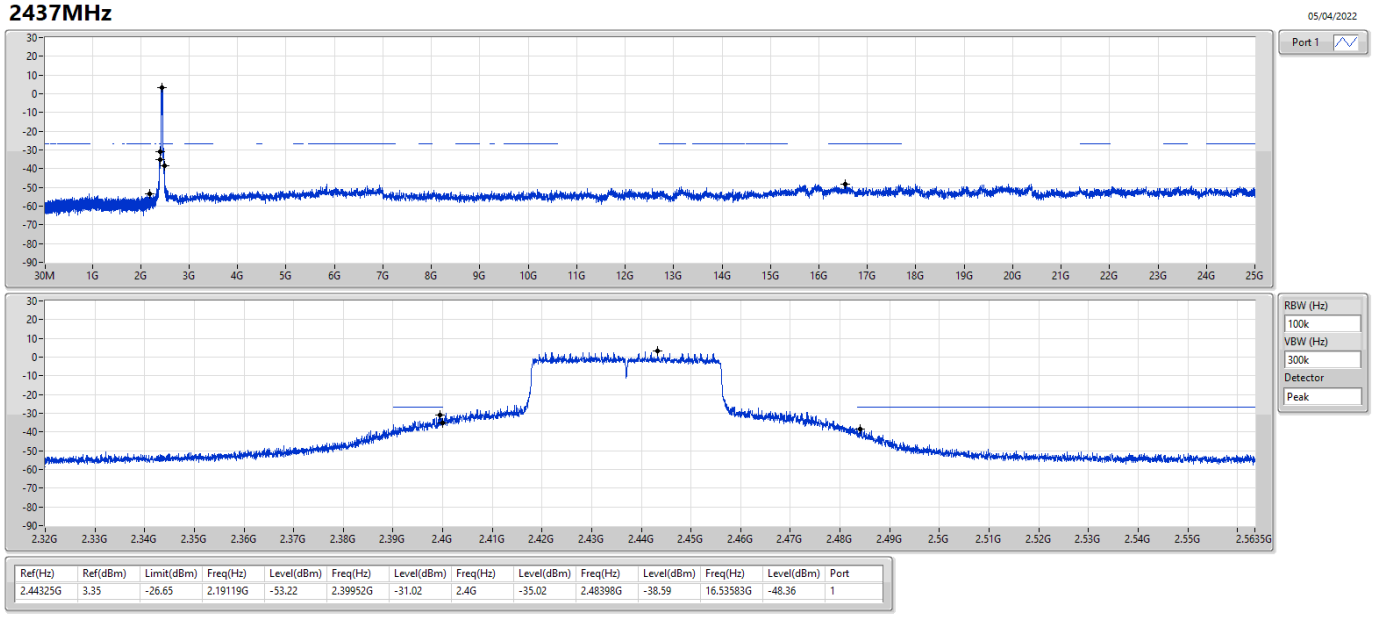
2422MHz



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
2.44325G	3.35	-26.65	2.30626G	-53.51	2.39952G	-31.46	2.4G	-30.60	2.4905G	-49.97	16.38438G	-48.40	1

802.11ax HEW40_Nss1,(MCS0)_1TX **CSENdB**

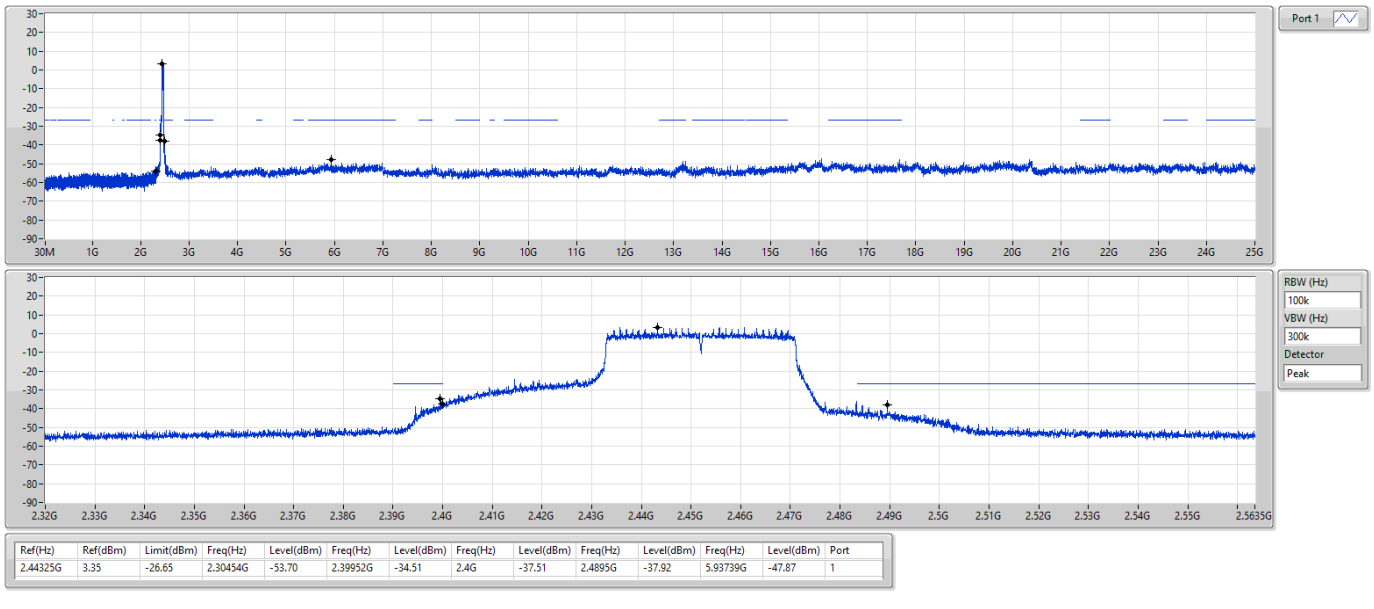
2437MHz



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
2.44325G	3.35	-26.65	2.19119G	-53.22	2.39952G	-31.02	2.4G	-35.02	2.48398G	-38.59	16.53583G	-48.36	1

802.11ax HEW40_Nss1,(MCS0)_1TX **CSENdB**

2452MHz

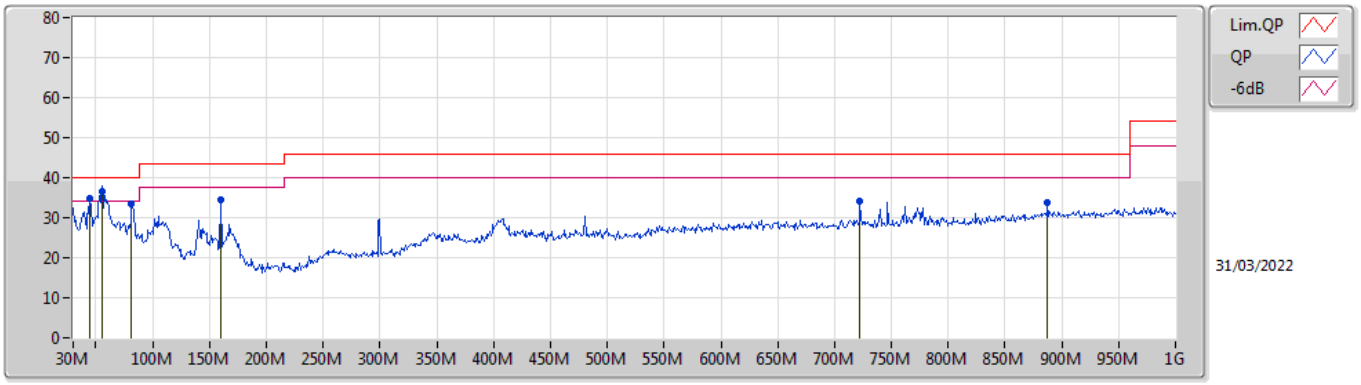


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44325G	3.35	-26.65	2.30454G	-53.70	2.39952G	-34.51	2.4G	-37.51	2.4895G	-37.92	5.93739G	-47.87	1

Summary

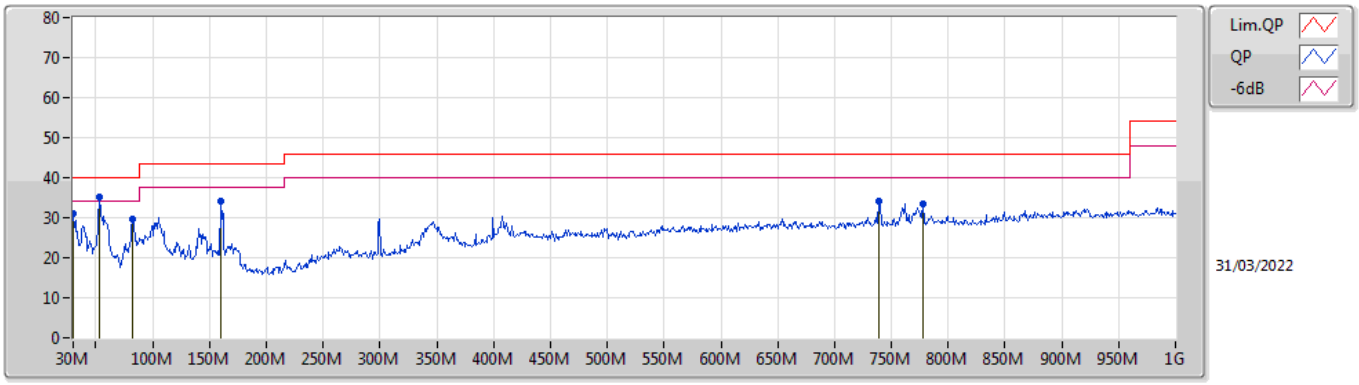
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	55.22M	36.53	40.00	-3.47	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	44.55M	34.86	40.00	-5.14	-14.50	3	Vertical	360	1.00	-	49.36	16.22	0.99	31.71
QP	55.22M	36.53	40.00	-3.47	-18.02	3	Vertical	220	1.25	"Worst"	54.55	12.69	1.10	31.81
PK	81.41M	33.45	40.00	-6.55	-17.63	3	Vertical	288	1.50	-	51.08	12.89	1.40	31.92
PK	159.98M	34.60	43.50	-8.90	-14.21	3	Vertical	251	1.00	-	48.81	15.75	2.00	31.96
PK	722.58M	34.14	46.00	-11.86	-3.33	3	Vertical	360	1.00	-	37.47	24.76	4.59	32.68
PK	887.48M	33.90	46.00	-12.10	-1.27	3	Vertical	306	3.00	-	35.17	26.13	5.25	32.65

Mode 1



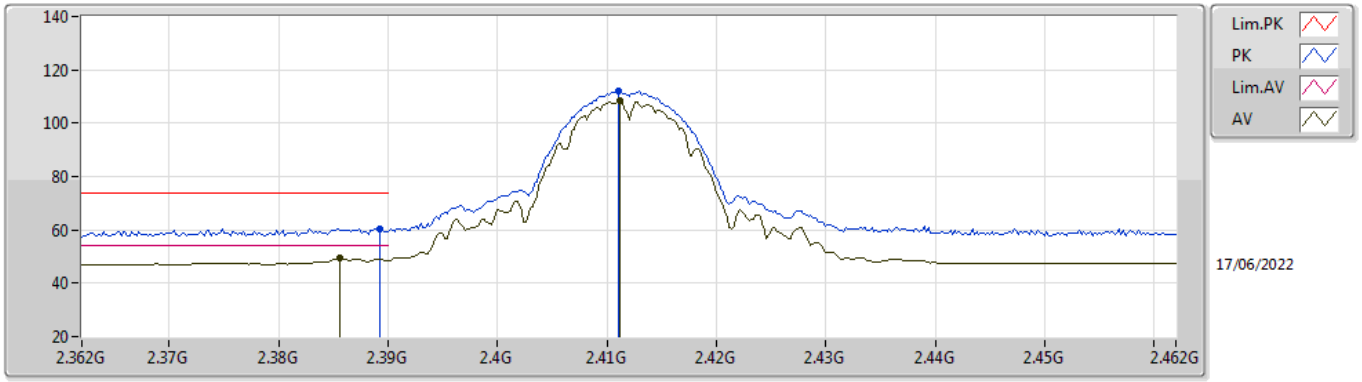
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	30M	31.18	40.00	-8.82	-6.70	3	Horizontal	68	1.25	-	37.88	23.99	0.80	31.49
PK	53.28M	35.04	40.00	-4.96	-17.73	3	Horizontal	121	2.00	"Worst"	52.77	12.96	1.10	31.79
PK	82.38M	29.65	40.00	-10.35	-17.49	3	Horizontal	299	1.50	-	47.14	13.03	1.40	31.92
PK	159.98M	34.16	43.50	-9.34	-14.21	3	Horizontal	76	1.25	-	48.37	15.75	2.00	31.96
PK	739.07M	33.97	46.00	-12.03	-2.89	3	Horizontal	290	2.00	-	36.86	25.15	4.66	32.70
PK	777.87M	33.42	46.00	-12.58	-2.47	3	Horizontal	254	2.00	-	35.89	25.42	4.81	32.70

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	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.3886G	53.99	54.00	-0.01	3	Horizontal	294	1.00	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

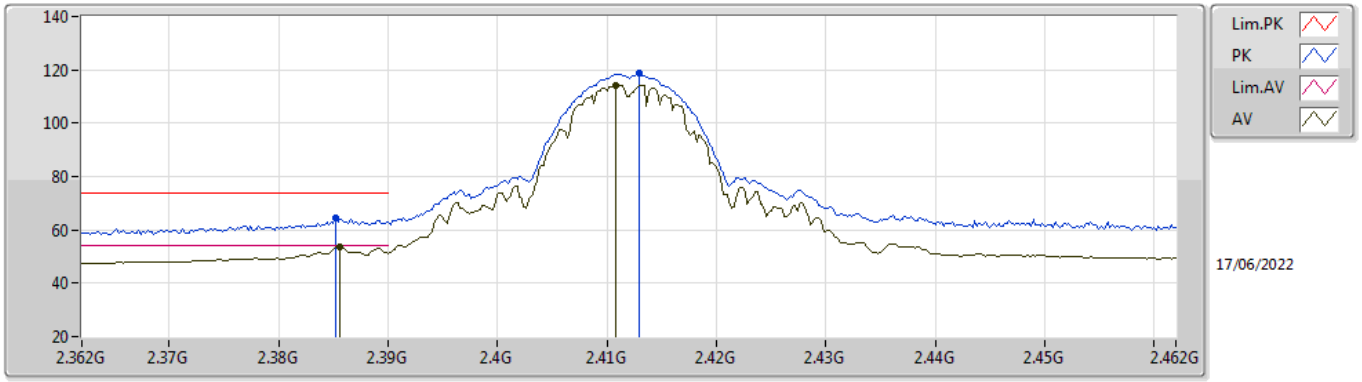


EUT X_2TX
Setting 84
02-B-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	60.32	74.00	-13.68	29.15	3	Vertical	355	2.17	-	28.38	2.79	-
AV	2.3856G	49.47	54.00	-4.53	18.31	3	Vertical	355	2.17	-	28.37	2.79	-
PK	2.411G	112.11	Inf	-Inf	80.90	3	Vertical	355	2.17	-	28.40	2.81	-
AV	2.4112G	108.52	Inf	-Inf	77.31	3	Vertical	355	2.17	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

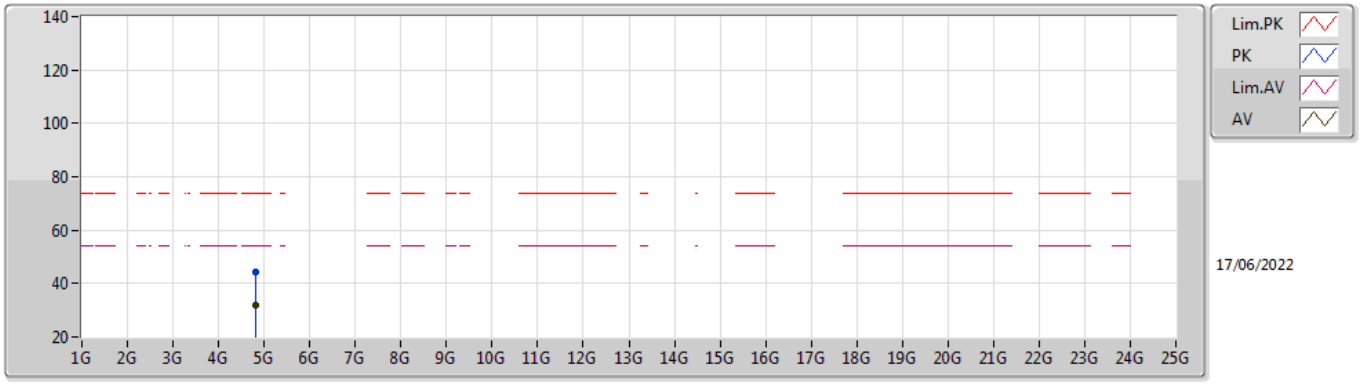


EUT X_2TX
Setting 84
02-B-C-6

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	2.3852G	64.51	74.00	-9.49	33.35	3	Horizontal	297	1.57	-	28.37	2.79	-
AV	2.3856G	53.79	54.00	-0.21	22.63	3	Horizontal	297	1.57	-	28.37	2.79	-
PK	2.413G	118.54	Inf	-Inf	87.33	3	Horizontal	297	1.57	-	28.40	2.81	-
AV	2.4108G	114.38	Inf	-Inf	83.17	3	Horizontal	297	1.57	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

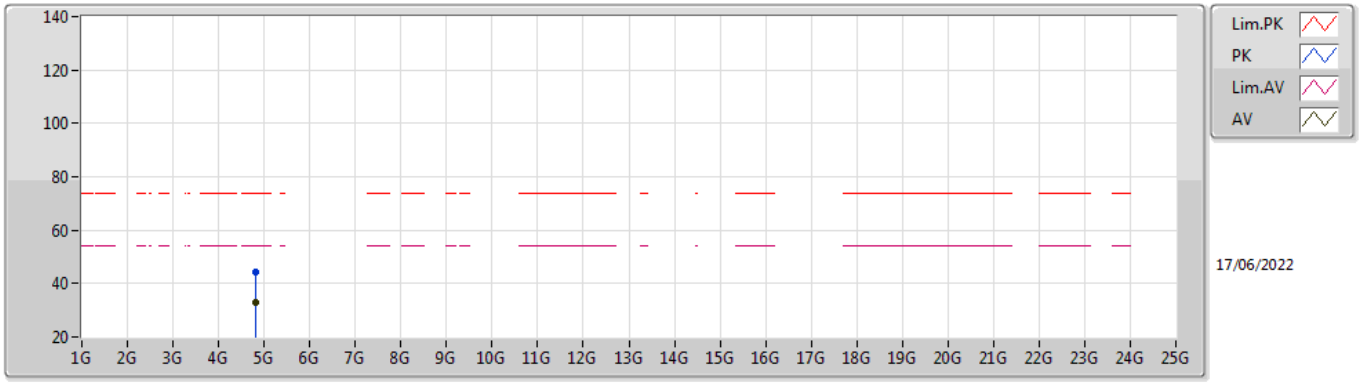


EUT X_2TX
Setting 84
02-B-C-6

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	4.82388G	44.15	74.00	-29.85	38.33	3	Vertical	164	2.48	-	32.94	5.10	32.22
AV	4.82394G	31.71	54.00	-22.29	25.89	3	Vertical	164	2.48	-	32.94	5.10	32.22

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

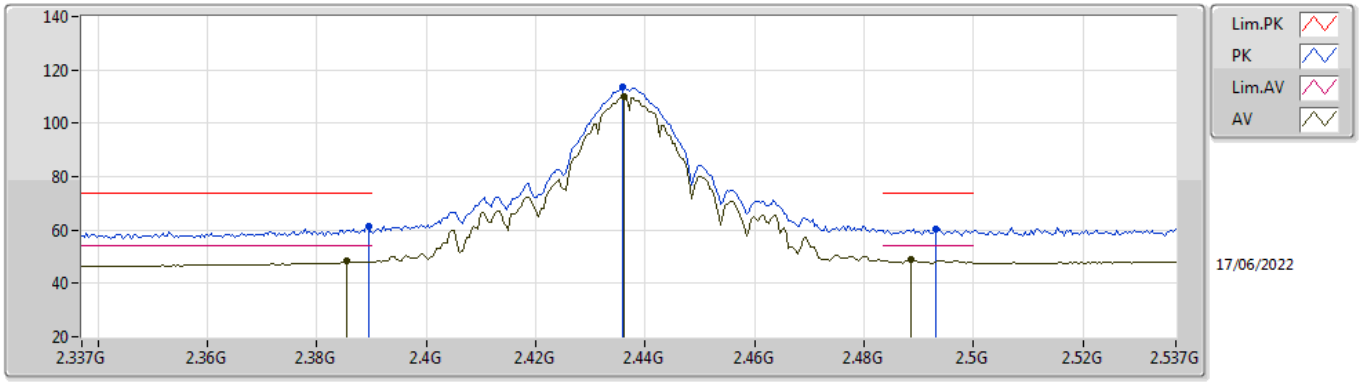


EUT X_2TX
Setting 84
02-B-C-6

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)
AV	4.824G	32.99	54.00	-21.01	27.17	3	Horizontal	224	2.15	-	32.94	5.10	32.22
PK	4.81542G	44.53	74.00	-29.47	38.77	3	Horizontal	224	2.15	-	32.89	5.10	32.23

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

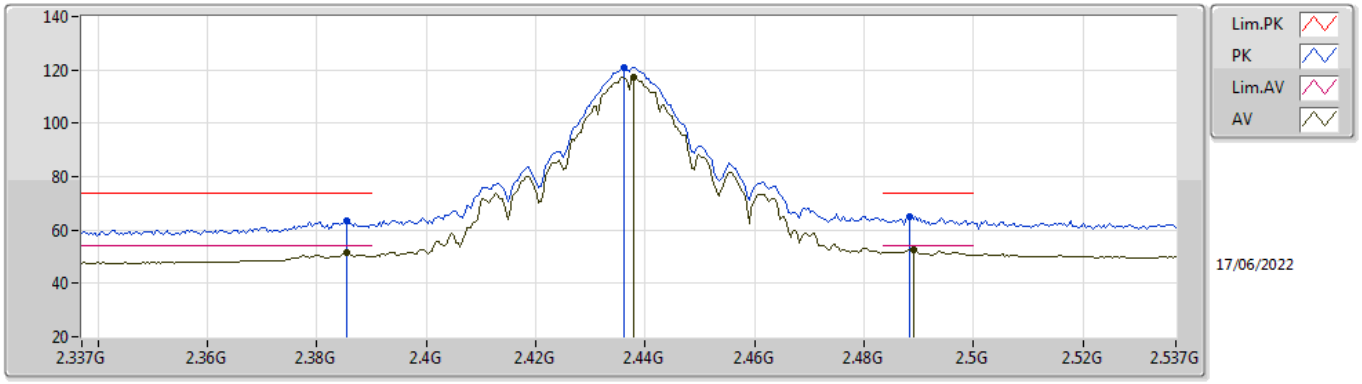


EUT X_2TX
Setting 94
02-B-C-6

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	61.32	74.00	-12.68	30.15	3	Vertical	357	2.35	-	28.38	2.79	-
AV	2.3854G	48.40	54.00	-5.60	17.24	3	Vertical	357	2.35	-	28.37	2.79	-
PK	2.4358G	113.66	Inf	-Inf	82.42	3	Vertical	357	2.35	-	28.40	2.84	-
AV	2.4362G	109.96	Inf	-Inf	78.72	3	Vertical	357	2.35	-	28.40	2.84	-
PK	2.493G	60.42	74.00	-13.58	28.96	3	Vertical	357	2.35	-	28.57	2.89	-
AV	2.4886G	49.02	54.00	-4.98	17.58	3	Vertical	357	2.35	-	28.55	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

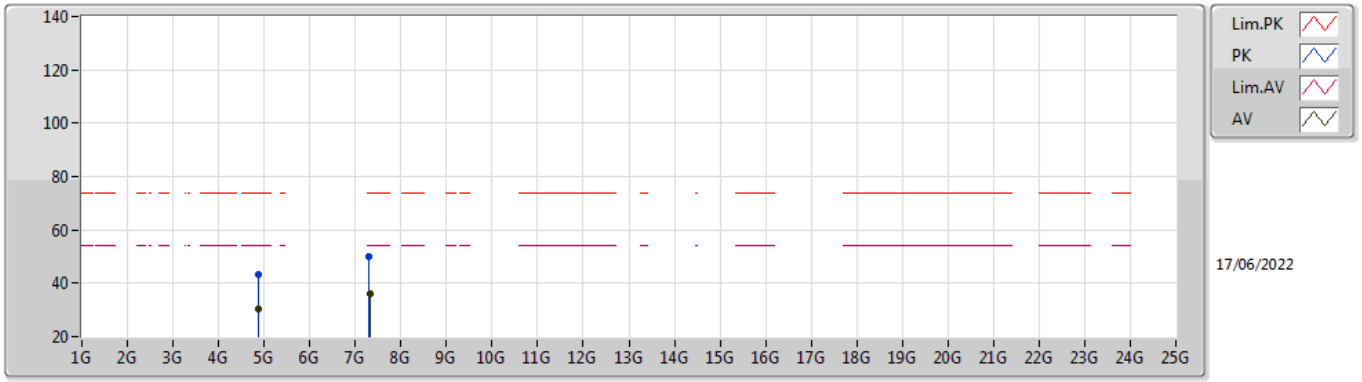


EUT X_2TX
Setting 94
02-B-C-6

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	63.26	74.00	-10.74	32.10	3	Horizontal	299	1.55	-	28.37	2.79	-
AV	2.3854G	51.66	54.00	-2.34	20.50	3	Horizontal	299	1.55	-	28.37	2.79	-
PK	2.4362G	121.10	Inf	-Inf	89.86	3	Horizontal	299	1.55	-	28.40	2.84	-
AV	2.4378G	117.18	Inf	-Inf	85.94	3	Horizontal	299	1.55	-	28.40	2.84	-
PK	2.4882G	65.03	74.00	-8.97	33.59	3	Horizontal	299	1.55	-	28.55	2.89	-
AV	2.489G	52.77	54.00	-1.23	21.32	3	Horizontal	299	1.55	-	28.56	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

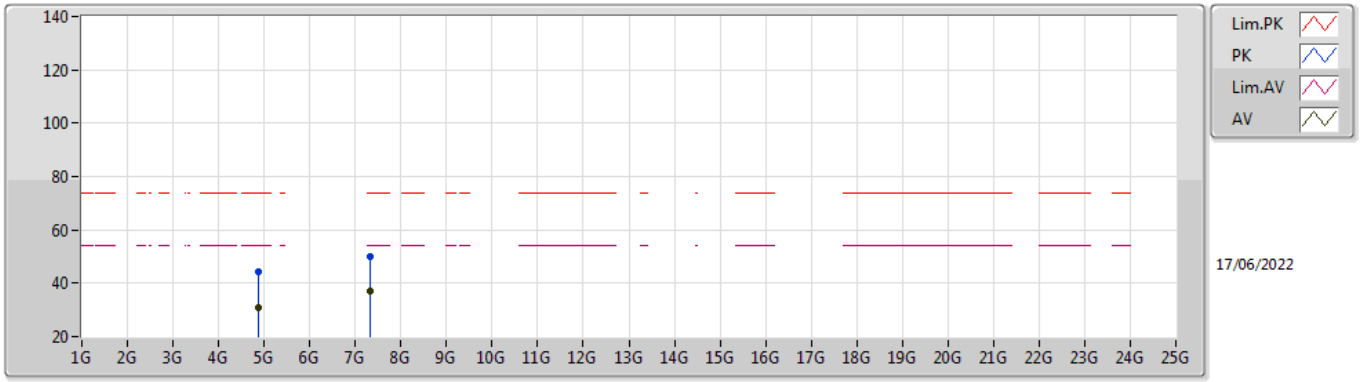


EUT X_2TX
Setting 94
02-B-C-6

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	4.88378G	43.25	74.00	-30.75	37.18	3	Vertical	171	2.35	-	33.17	5.10	32.20
AV	4.87376G	30.43	54.00	-23.57	24.39	3	Vertical	171	2.35	-	33.15	5.10	32.21
PK	7.30668G	50.14	74.00	-23.86	40.39	3	Vertical	347	1.80	-	36.41	6.15	32.81
AV	7.3248G	35.78	54.00	-18.22	26.02	3	Vertical	347	1.80	-	36.45	6.16	32.85

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

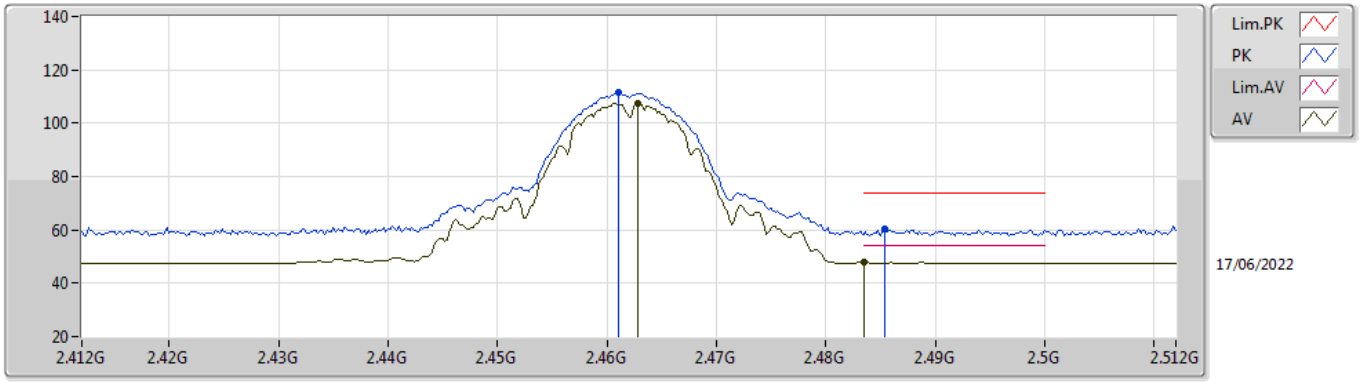


EUT X_2TX
Setting 94
02-B-C-6

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	4.87982G	44.38	74.00	-29.62	38.32	3	Horizontal	62	1.86	-	33.16	5.10	32.20
AV	4.87394G	31.08	54.00	-22.92	25.04	3	Horizontal	62	1.86	-	33.15	5.10	32.21
PK	7.31196G	49.83	74.00	-24.17	40.07	3	Horizontal	67	3.00	-	36.42	6.16	32.82
AV	7.3116G	36.97	54.00	-17.03	27.21	3	Horizontal	67	3.00	-	36.42	6.16	32.82

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

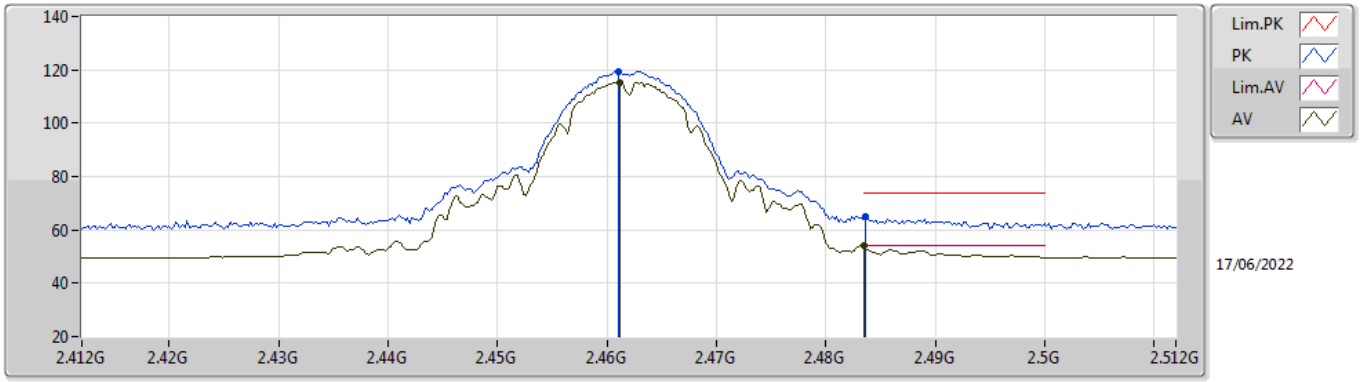


EUT X_2TX
Setting 84
02-B-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	111.34	Inf	-Inf	80.04	3	Vertical	360	2.12	-	28.44	2.86	-
AV	2.4628G	107.24	Inf	-Inf	75.93	3	Vertical	360	2.12	-	28.45	2.86	-
PK	2.4854G	60.22	74.00	-13.78	28.79	3	Vertical	360	2.12	-	28.54	2.89	-
AV	2.4835G	48.05	54.00	-5.95	16.64	3	Vertical	360	2.12	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

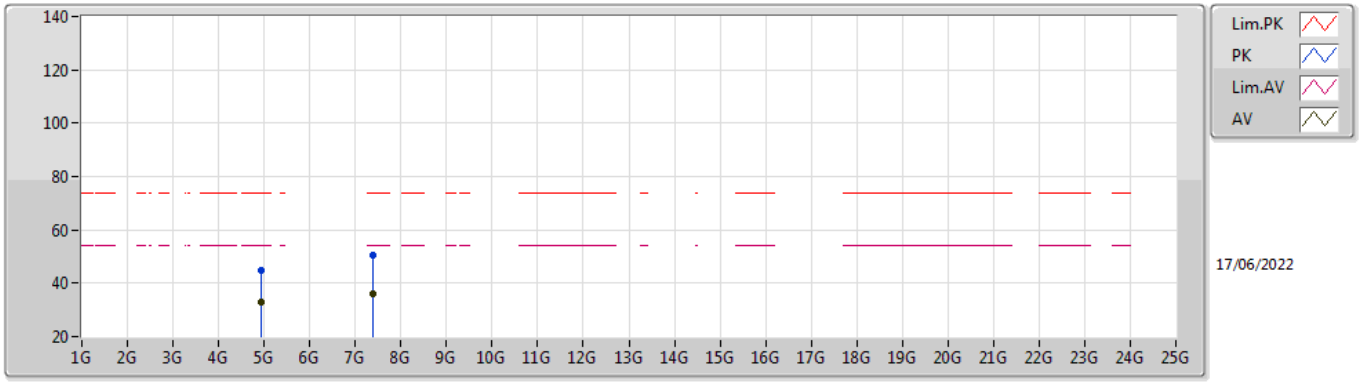


EUT X_2TX
Setting 84
02-B-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	119.40	Inf	-Inf	88.10	3	Horizontal	54	1.71	-	28.44	2.86	-
AV	2.4612G	115.43	Inf	-Inf	84.13	3	Horizontal	54	1.71	-	28.44	2.86	-
PK	2.4836G	64.76	74.00	-9.24	33.35	3	Horizontal	54	1.71	-	28.53	2.88	-
AV	2.4835G	53.93	54.00	-0.07	22.52	3	Horizontal	54	1.71	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

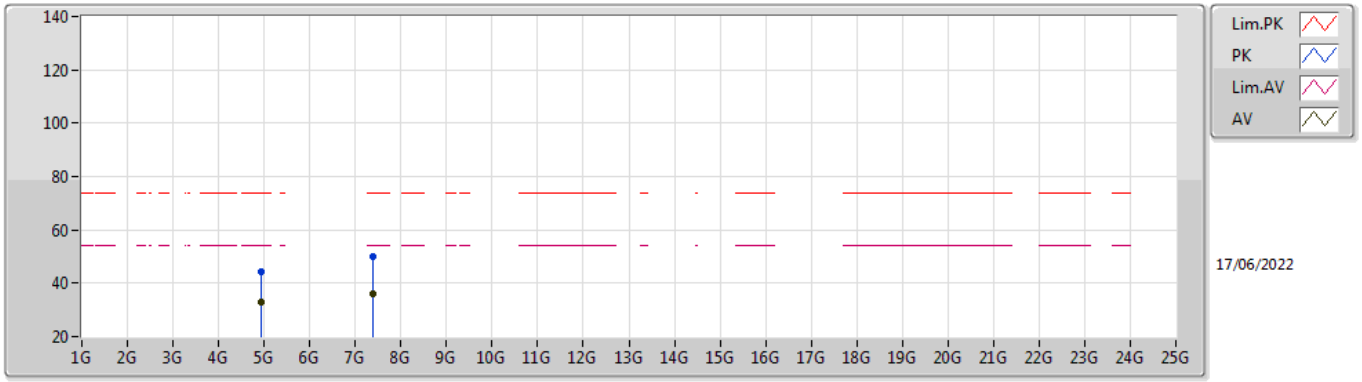


EUT X_2TX
Setting 84
02-B-C-6

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	4.92382G	44.76	74.00	-29.24	38.60	3	Vertical	335	2.35	-	33.25	5.10	32.19
AV	4.92388G	32.80	54.00	-21.20	26.64	3	Vertical	335	2.35	-	33.25	5.10	32.19
PK	7.4004G	50.49	74.00	-23.51	40.77	3	Vertical	307	1.64	-	36.50	6.20	32.98
AV	7.374G	36.11	54.00	-17.89	26.35	3	Vertical	307	1.64	-	36.50	6.19	32.93

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

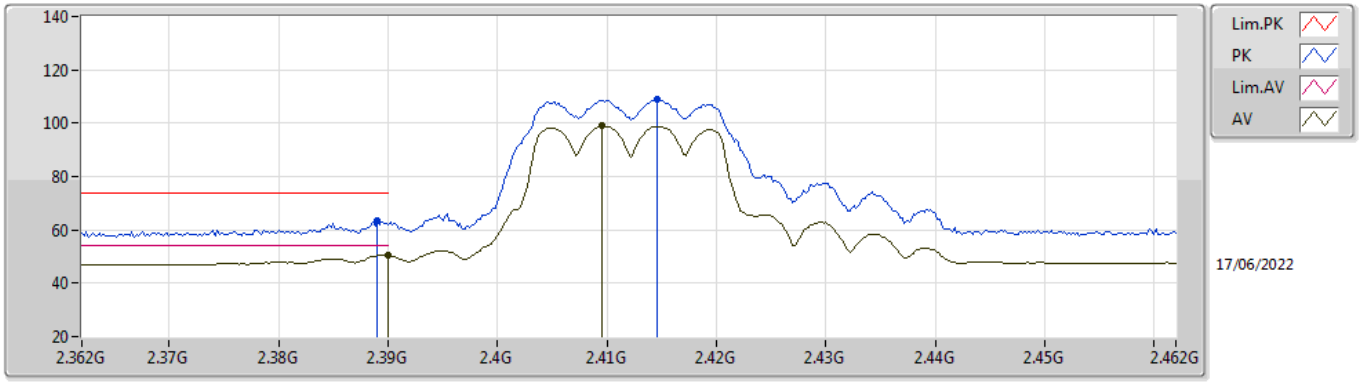


EUT X_2TX
Setting 84
02-B-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92412G	44.12	74.00	-29.88	37.96	3	Horizontal	26	1.52	-	33.25	5.10	32.19
AV	4.92394G	32.86	54.00	-21.14	26.70	3	Horizontal	26	1.52	-	33.25	5.10	32.19
PK	7.39752G	49.95	74.00	-24.05	40.22	3	Horizontal	288	1.88	-	36.50	6.20	32.97
AV	7.38156G	36.24	54.00	-17.76	26.49	3	Horizontal	288	1.88	-	36.50	6.19	32.94

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

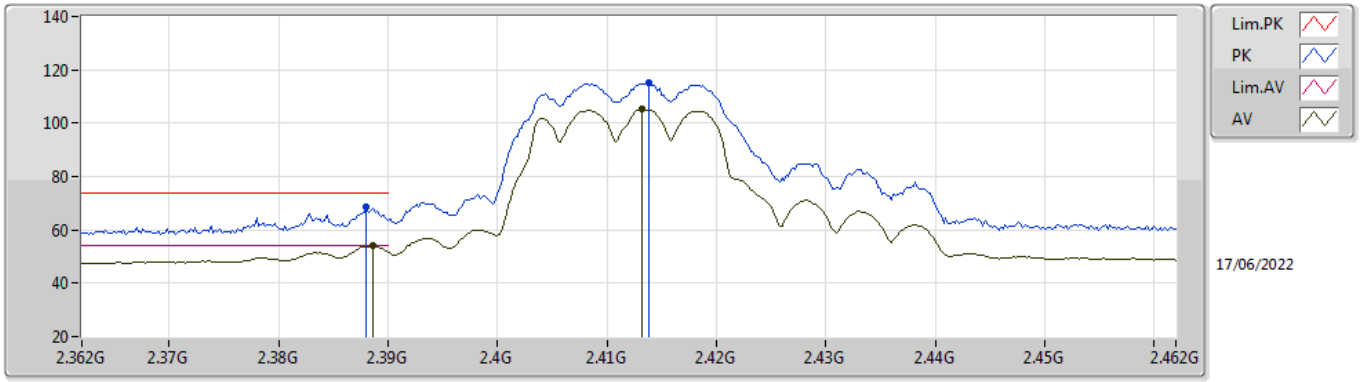


EUT X_2TX
Setting 70
02-B-C-6

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	63.51	74.00	-10.49	32.34	3	Vertical	169	1.74	-	28.38	2.79	-
AV	2.39G	50.49	54.00	-3.51	19.32	3	Vertical	169	1.74	-	28.38	2.79	-
PK	2.4146G	108.75	Inf	-Inf	77.54	3	Vertical	169	1.74	-	28.40	2.81	-
AV	2.4096G	98.95	Inf	-Inf	67.74	3	Vertical	169	1.74	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

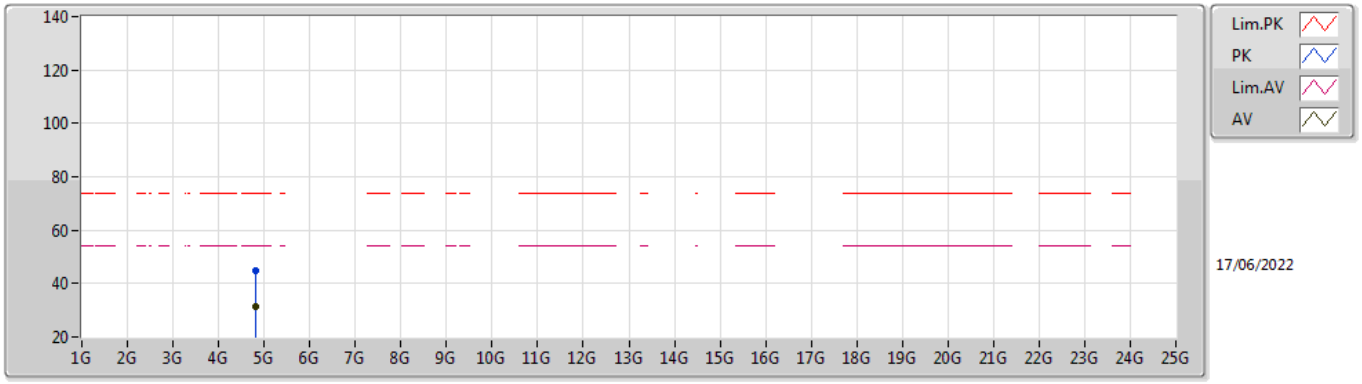


EUT X_2TX
Setting 70
02-B-C-6

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	2.388G	68.58	74.00	-5.42	37.41	3	Horizontal	294	1.00	-	28.38	2.79	-
AV	2.3886G	53.99	54.00	-0.01	22.82	3	Horizontal	294	1.00	-	28.38	2.79	-
PK	2.4138G	115.02	Inf	-Inf	83.81	3	Horizontal	294	1.00	-	28.40	2.81	-
AV	2.4132G	105.20	Inf	-Inf	73.99	3	Horizontal	294	1.00	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

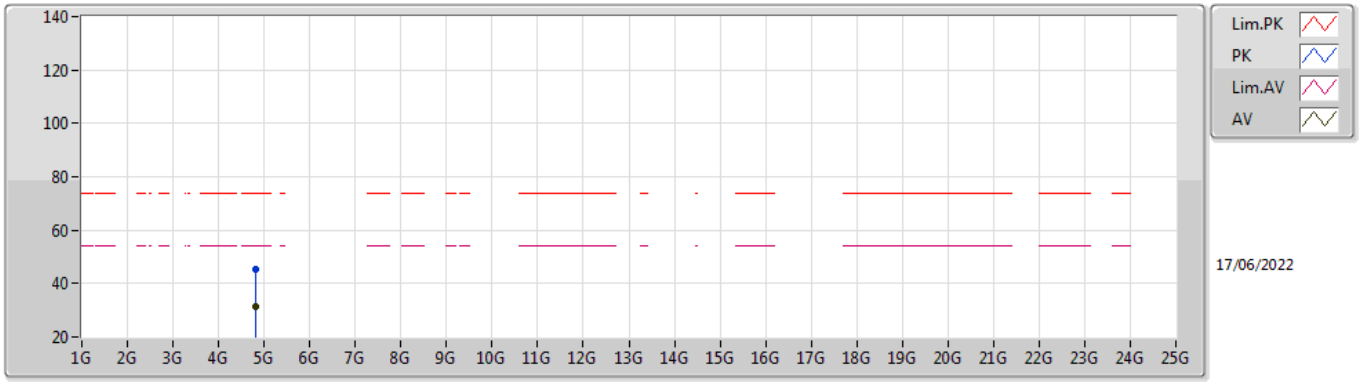


EUT X_2TX
Setting 70
02-B-C-6

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	4.82554G	44.97	74.00	-29.03	39.14	3	Vertical	236	1.79	-	32.95	5.10	32.22
AV	4.82324G	31.39	54.00	-22.61	25.57	3	Vertical	236	1.79	-	32.94	5.10	32.22

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

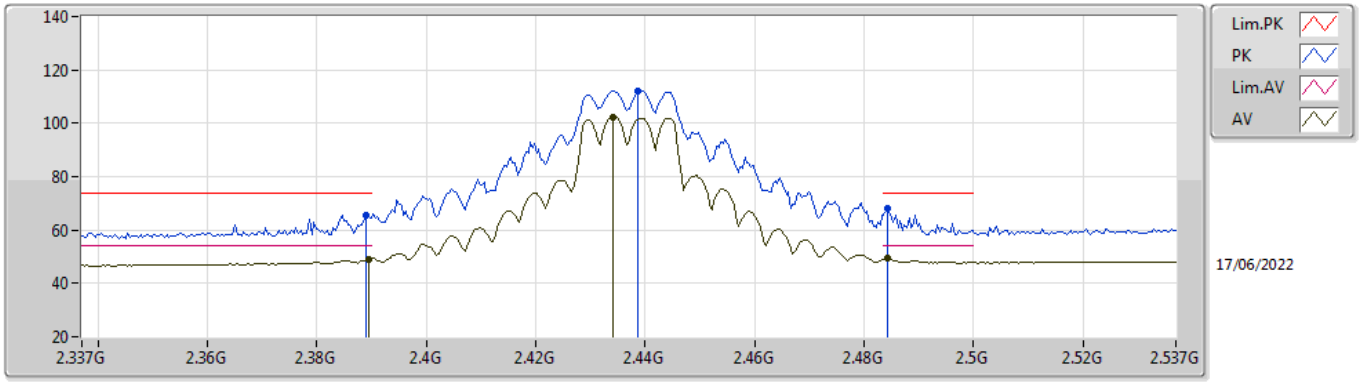


EUT X_2TX
Setting 70
02-B-C-6

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	4.82402G	45.45	74.00	-28.55	39.63	3	Horizontal	355	1.69	-	32.94	5.10	32.22
AV	4.8235G	31.38	54.00	-22.62	25.56	3	Horizontal	355	1.69	-	32.94	5.10	32.22

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

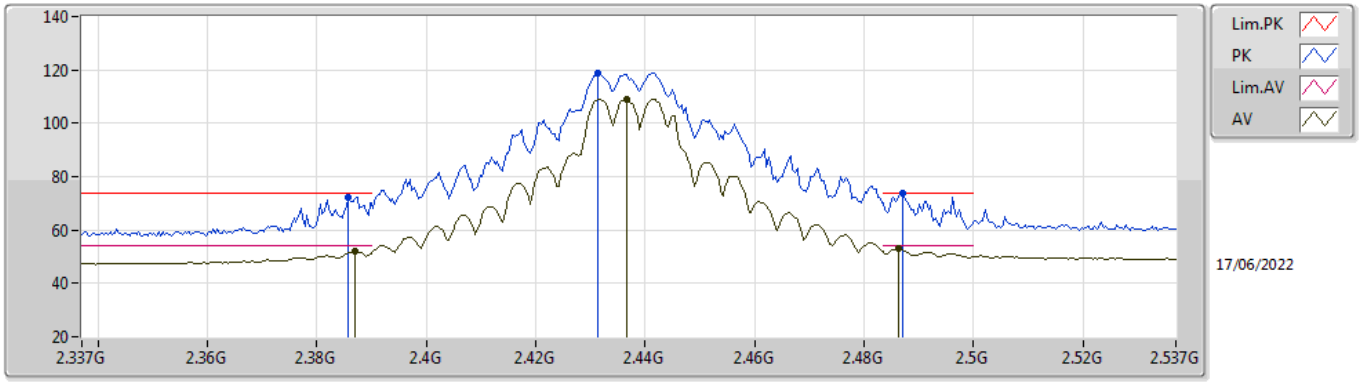


EUT X_2TX
Setting 84
02-B-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	65.56	74.00	-8.44	34.39	3	Vertical	246	1.71	-	28.38	2.79	-
AV	2.3894G	49.10	54.00	-4.90	17.93	3	Vertical	246	1.71	-	28.38	2.79	-
PK	2.4386G	112.01	Inf	-Inf	80.77	3	Vertical	246	1.71	-	28.40	2.84	-
AV	2.4342G	102.37	Inf	-Inf	71.14	3	Vertical	246	1.71	-	28.40	2.83	-
PK	2.4842G	68.28	74.00	-5.72	36.86	3	Vertical	246	1.71	-	28.54	2.88	-
AV	2.4842G	49.40	54.00	-4.60	17.98	3	Vertical	246	1.71	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

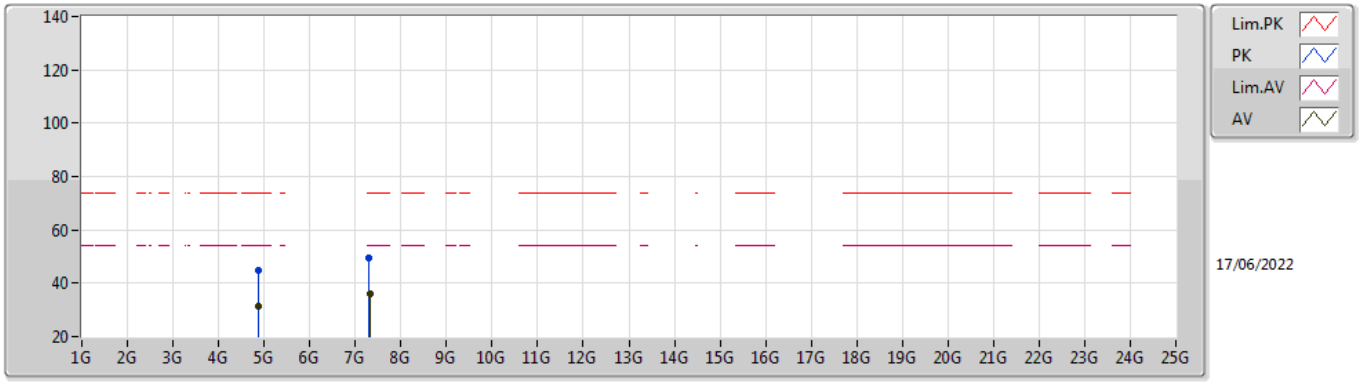


EUT X_2TX
Setting 84
02-B-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3858G	72.34	74.00	-1.66	41.18	3	Horizontal	299	1.76	-	28.37	2.79	-
AV	2.387G	51.99	54.00	-2.01	20.83	3	Horizontal	299	1.76	-	28.37	2.79	-
PK	2.4314G	118.60	Inf	-Inf	87.37	3	Horizontal	299	1.76	-	28.40	2.83	-
AV	2.4366G	109.03	Inf	-Inf	77.79	3	Horizontal	299	1.76	-	28.40	2.84	-
PK	2.487G	73.56	74.00	-0.44	42.12	3	Horizontal	299	1.76	-	28.55	2.89	-
AV	2.4862G	53.16	54.00	-0.84	21.73	3	Horizontal	299	1.76	-	28.54	2.89	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

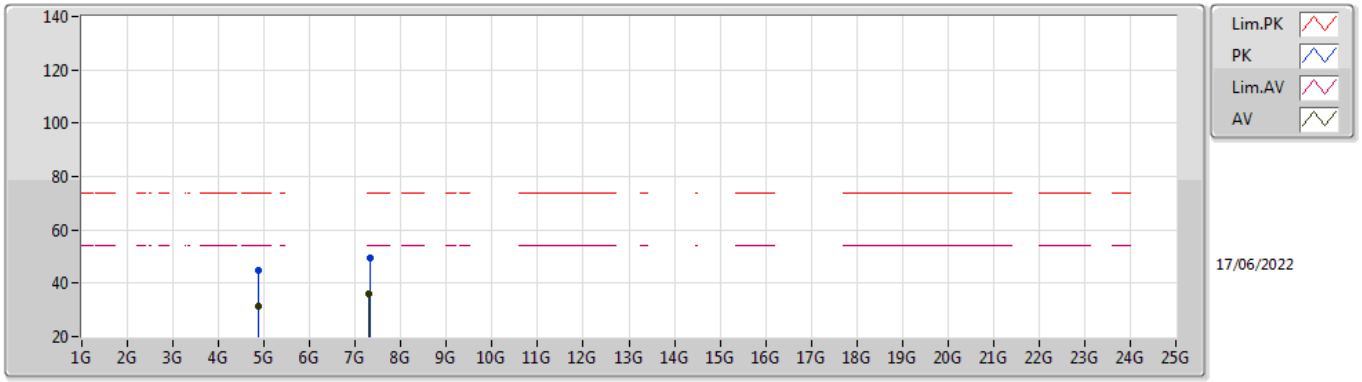


EUT X_2TX
Setting 84
02-B-S-8

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	4.86982G	44.73	74.00	-29.27	38.70	3	Vertical	42	2.25	-	33.14	5.10	32.21
AV	4.8766G	31.36	54.00	-22.64	25.31	3	Vertical	42	2.25	-	33.15	5.10	32.20
PK	7.3092G	49.34	74.00	-24.66	39.59	3	Vertical	150	2.45	-	36.42	6.15	32.82
AV	7.3127G	36.21	54.00	-17.79	26.44	3	Vertical	150	2.45	-	36.43	6.16	32.82

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

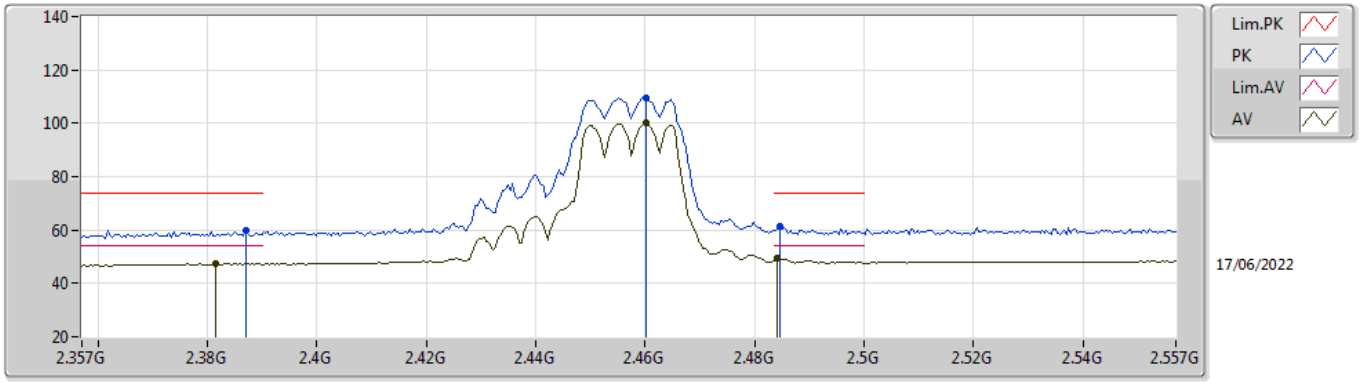


EUT X_2TX
Setting 84
02-B-S-8

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	4.875G	44.81	74.00	-29.19	38.76	3	Horizontal	187	2.47	-	33.15	5.10	32.20
AV	4.8752G	31.39	54.00	-22.61	25.34	3	Horizontal	187	2.47	-	33.15	5.10	32.20
PK	7.3125G	49.35	74.00	-24.65	39.59	3	Horizontal	307	2.44	-	36.42	6.16	32.82
AV	7.3081G	36.21	54.00	-17.79	26.46	3	Horizontal	307	2.44	-	36.42	6.15	32.82

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

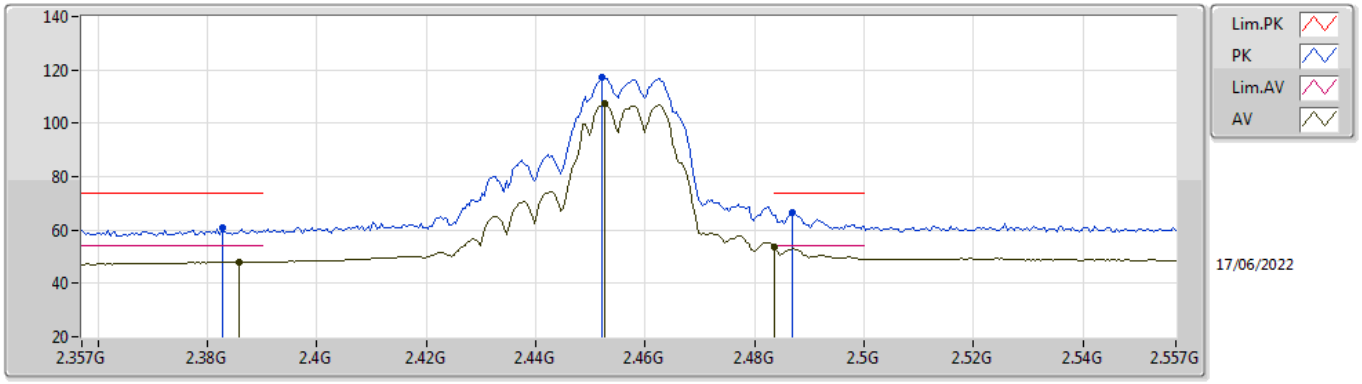


EUT X_2TX
Setting 75
02-B-S-8

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	59.85	74.00	-14.15	28.69	3	Vertical	104	1.50	-	28.37	2.79	-
AV	2.3814G	47.37	54.00	-6.63	16.22	3	Vertical	104	1.50	-	28.36	2.79	-
PK	2.4602G	109.59	Inf	-Inf	78.29	3	Vertical	104	1.50	-	28.44	2.86	-
AV	2.4602G	99.95	Inf	-Inf	68.65	3	Vertical	104	1.50	-	28.44	2.86	-
PK	2.4846G	61.59	74.00	-12.41	30.17	3	Vertical	104	1.50	-	28.54	2.88	-
AV	2.4842G	49.36	54.00	-4.64	17.94	3	Vertical	104	1.50	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

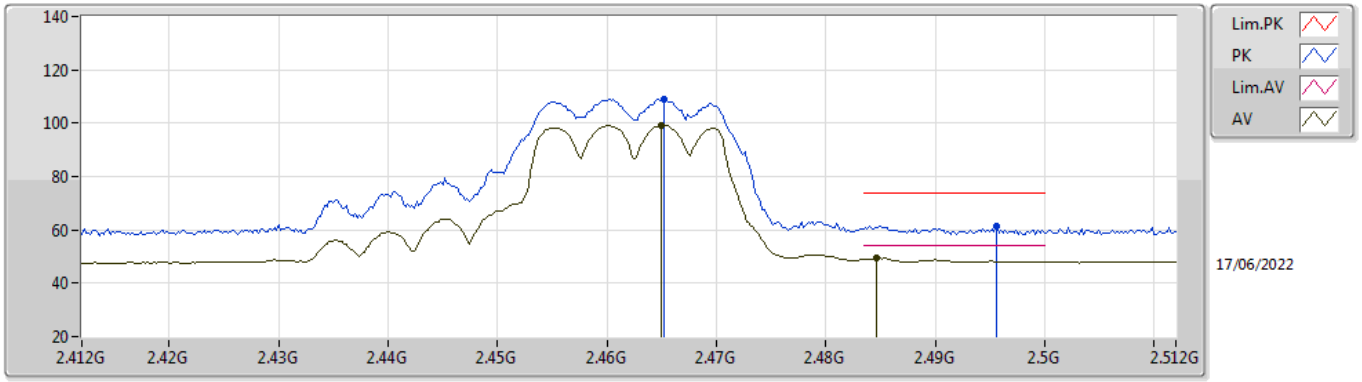


EUT X_2TX
Setting 75
02-B-S-8

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	2.3826G	60.76	74.00	-13.24	29.60	3	Horizontal	51	1.36	-	28.37	2.79	-
AV	2.3858G	48.11	54.00	-5.89	16.95	3	Horizontal	51	1.36	-	28.37	2.79	-
PK	2.4522G	117.28	Inf	-Inf	86.02	3	Horizontal	51	1.36	-	28.41	2.85	-
AV	2.4526G	107.25	Inf	-Inf	75.99	3	Horizontal	51	1.36	-	28.41	2.85	-
PK	2.487G	66.44	74.00	-7.56	35.00	3	Horizontal	51	1.36	-	28.55	2.89	-
AV	2.4835G	53.71	54.00	-0.29	22.30	3	Horizontal	51	1.36	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

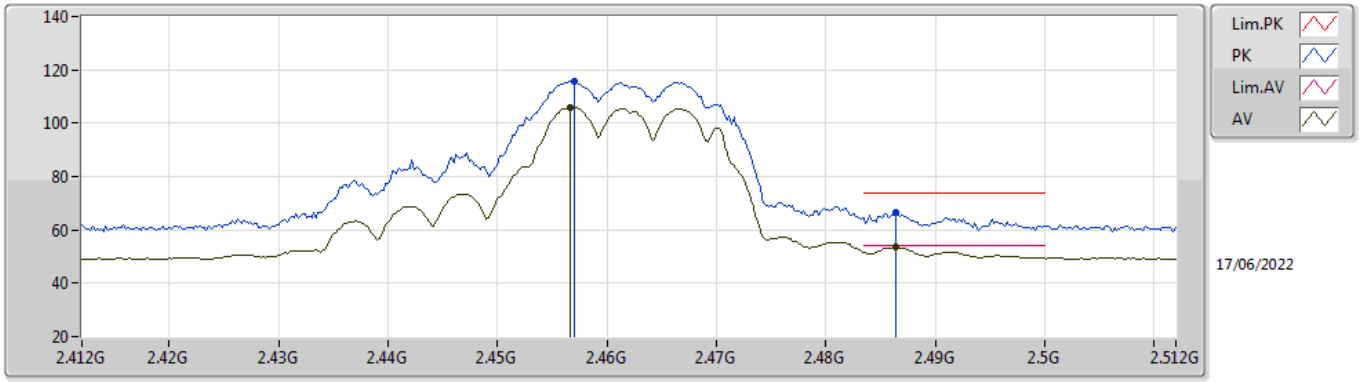


EUT X_2TX
Setting 72
02-B-S-8

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	2.4652G	108.91	Inf	-Inf	77.58	3	Vertical	104	1.48	-	28.46	2.87	-
AV	2.465G	99.16	Inf	-Inf	67.84	3	Vertical	104	1.48	-	28.46	2.86	-
PK	2.4956G	61.60	74.00	-12.40	30.12	3	Vertical	104	1.48	-	28.58	2.90	-
AV	2.4846G	49.43	54.00	-4.57	18.01	3	Vertical	104	1.48	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

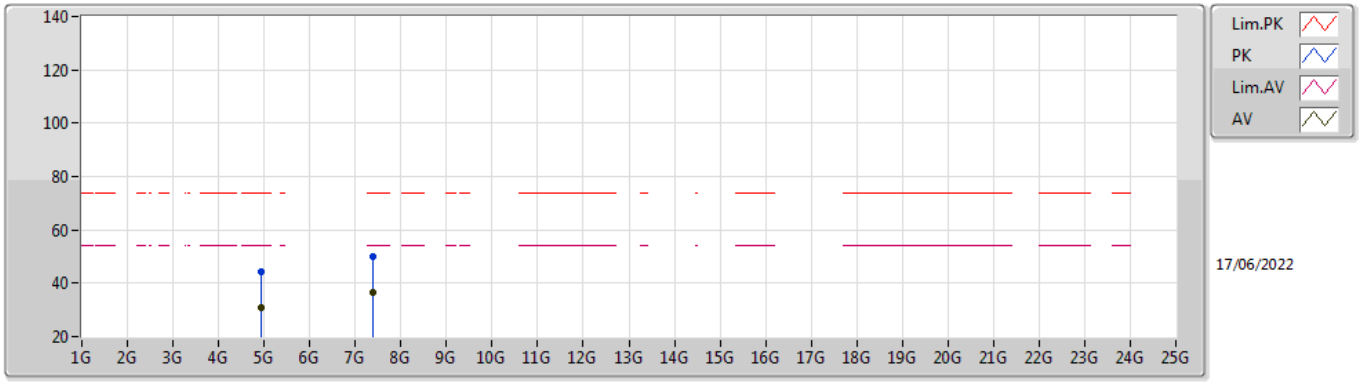


EUT X_2TX
Setting 72
02-B-S-8

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	2.457G	115.79	Inf	-Inf	84.50	3	Horizontal	53	1.71	-	28.43	2.86	-
AV	2.4566G	106.08	Inf	-Inf	74.79	3	Horizontal	53	1.71	-	28.43	2.86	-
PK	2.4864G	66.78	74.00	-7.22	35.34	3	Horizontal	53	1.71	-	28.55	2.89	-
AV	2.4864G	53.79	54.00	-0.21	22.35	3	Horizontal	53	1.71	-	28.55	2.89	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

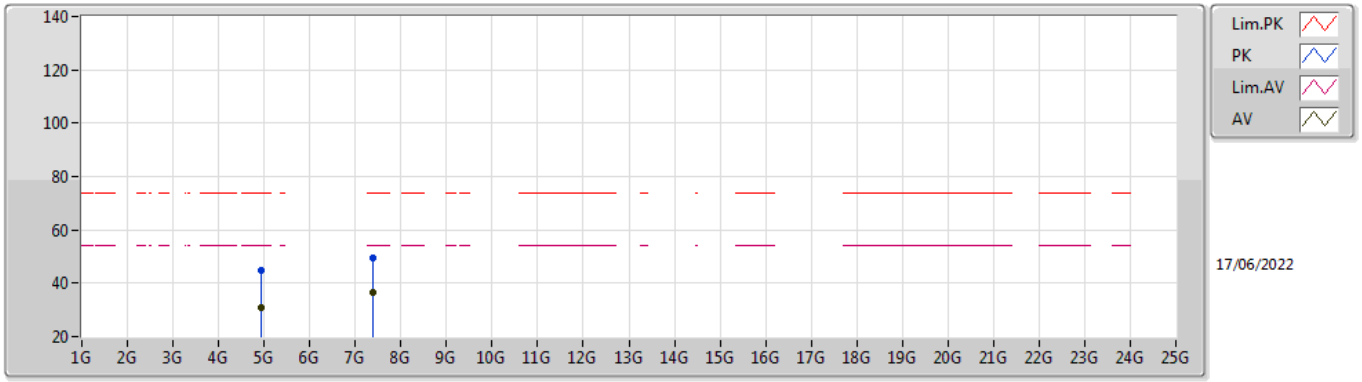


EUT X_2TX
Setting 72
02-B-S-8

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	4.91946G	44.48	74.00	-29.52	38.33	3	Vertical	5	1.83	-	33.24	5.10	32.19
AV	4.92506G	31.08	54.00	-22.92	24.92	3	Vertical	5	1.83	-	33.25	5.10	32.19
PK	7.38218G	49.89	74.00	-24.11	40.14	3	Vertical	259	1.07	-	36.50	6.19	32.94
AV	7.38136G	36.76	54.00	-17.24	27.01	3	Vertical	259	1.07	-	36.50	6.19	32.94

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

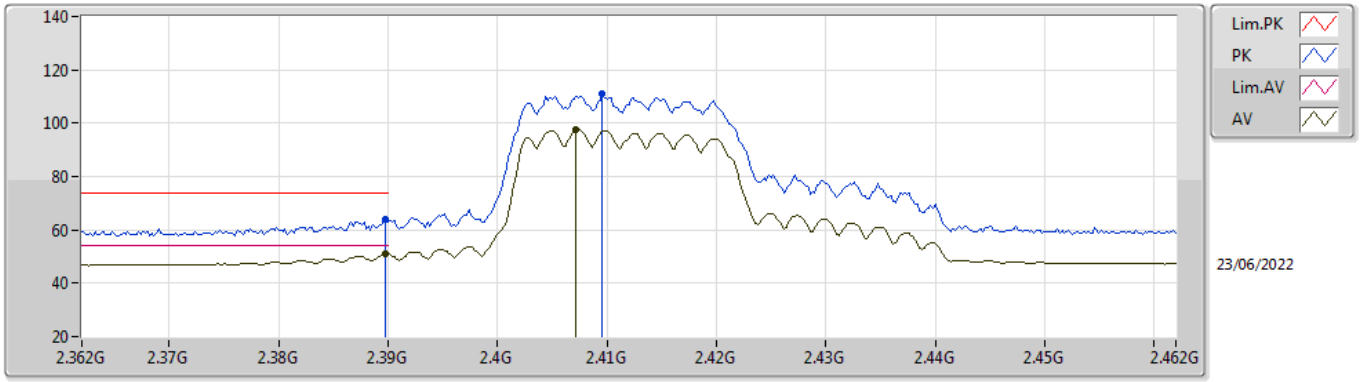


EUT X_2TX
Setting 72
02-B-S-8

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	4.92802G	45.02	74.00	-28.98	38.85	3	Horizontal	354	2.45	-	33.26	5.10	32.19
AV	4.92532G	31.10	54.00	-22.90	24.94	3	Horizontal	354	2.45	-	33.25	5.10	32.19
PK	7.38626G	49.71	74.00	-24.29	39.97	3	Horizontal	76	1.53	-	36.50	6.19	32.95
AV	7.3893G	36.52	54.00	-17.48	26.79	3	Horizontal	76	1.53	-	36.50	6.19	32.96

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

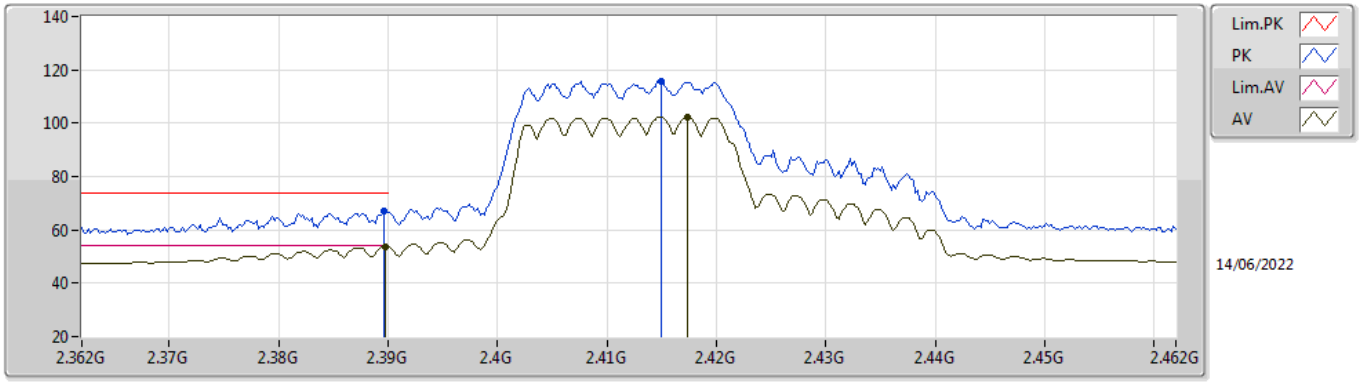


EUT X_2TX
Setting 72
02-B-C-6

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	63.77	74.00	-10.23	32.60	3	Vertical	134	2.14	-	28.38	2.79	-
AV	2.3898G	50.83	54.00	-3.17	19.66	3	Vertical	134	2.14	-	28.38	2.79	-
PK	2.4096G	111.21	Inf	-Inf	80.00	3	Vertical	134	2.14	-	28.40	2.81	-
AV	2.4072G	97.38	Inf	-Inf	66.17	3	Vertical	134	2.14	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

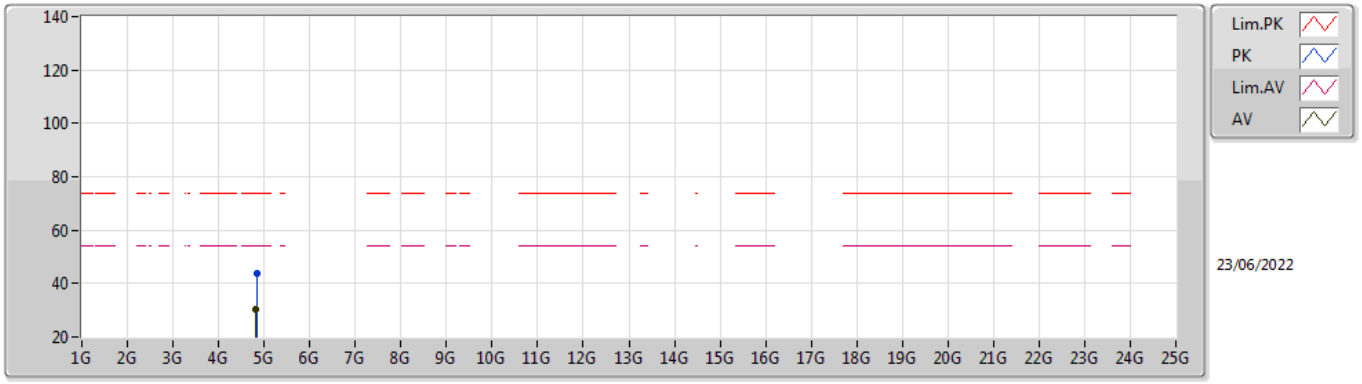


EUT X_2TX
Setting 72
02-B-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	67.01	74.00	-6.99	35.84	3	Horizontal	58	1.26	-	28.38	2.79	-
AV	2.3898G	53.84	54.00	-0.16	22.67	3	Horizontal	58	1.26	-	28.38	2.79	-
PK	2.415G	115.77	Inf	-Inf	84.56	3	Horizontal	58	1.26	-	28.40	2.81	-
AV	2.4174G	102.47	Inf	-Inf	71.25	3	Horizontal	58	1.26	-	28.40	2.82	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

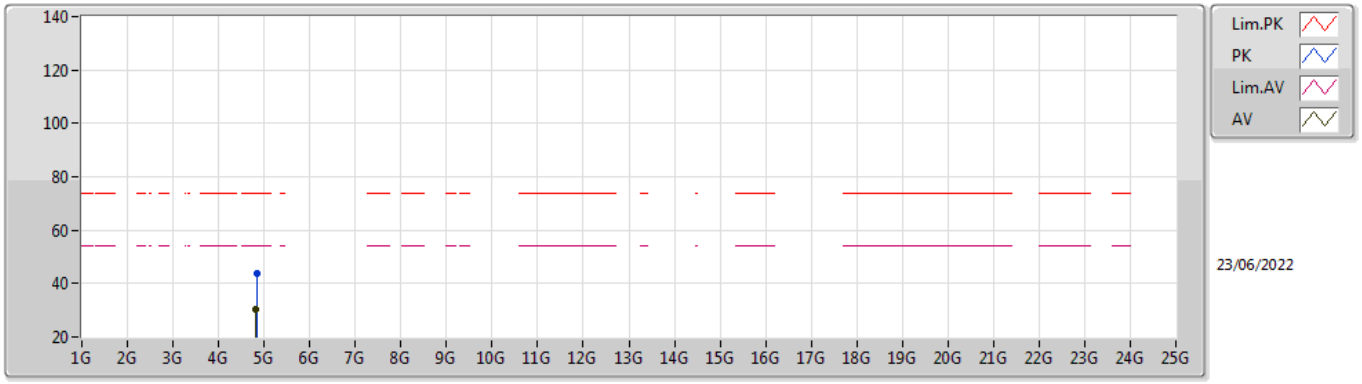


EUT X_2TX
Setting 72
02-B-C-6

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	4.83114G	43.84	74.00	-30.16	37.97	3	Vertical	79	1.54	-	32.99	5.10	32.22
AV	4.82244G	30.37	54.00	-23.63	24.56	3	Vertical	79	1.54	-	32.93	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

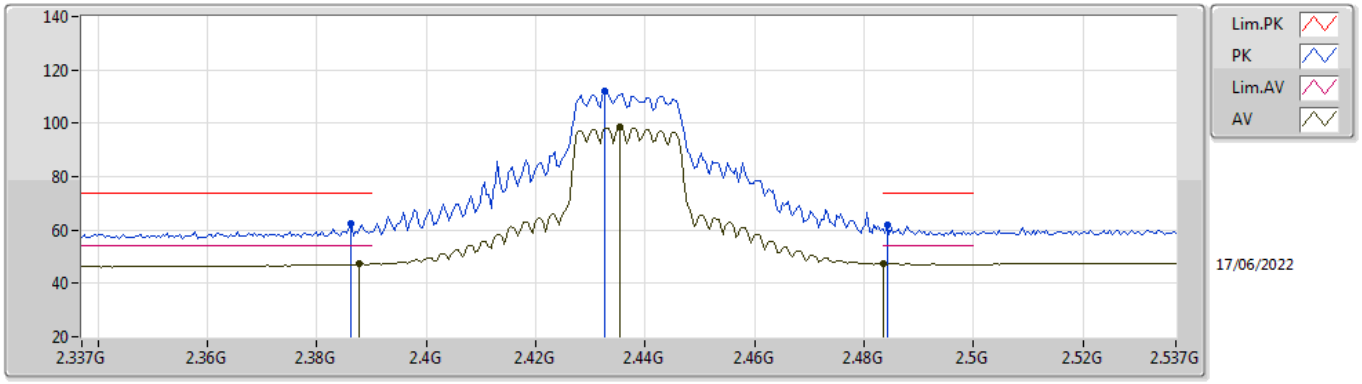


EUT X_2TX
Setting 72
02-B-C-6

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	43.98	74.00	-30.02	38.10	3	Horizontal	40	1.88	-	33.00	5.10	32.22
AV	4.82412G	30.35	54.00	-23.65	24.53	3	Horizontal	40	1.88	-	32.94	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

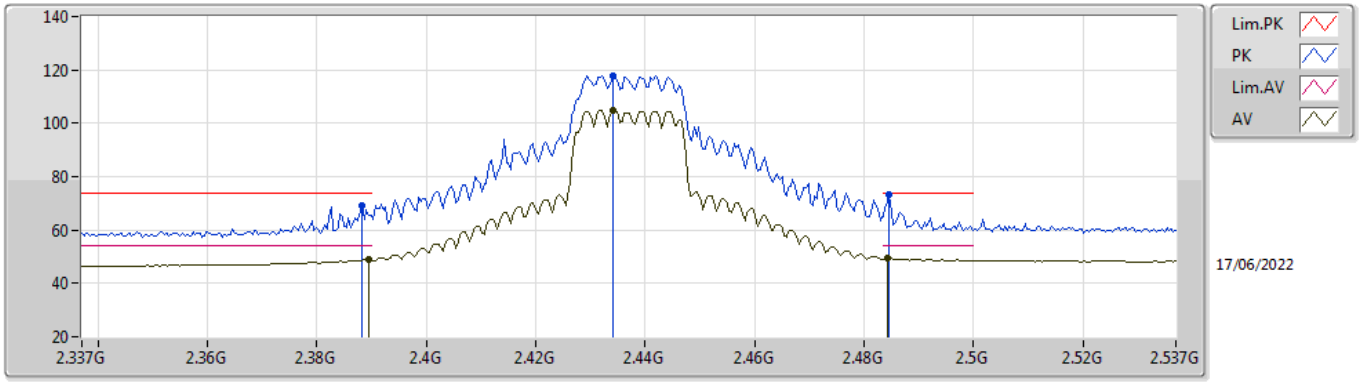


EUT X_2TX
Setting 74
02-B-S-8

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	2.3862G	62.58	74.00	-11.42	31.42	3	Vertical	104	1.86	-	28.37	2.79	-
AV	2.3878G	47.22	54.00	-6.78	16.05	3	Vertical	104	1.86	-	28.38	2.79	-
PK	2.4326G	112.25	Inf	-Inf	81.02	3	Vertical	104	1.86	-	28.40	2.83	-
AV	2.4354G	98.41	Inf	-Inf	67.17	3	Vertical	104	1.86	-	28.40	2.84	-
PK	2.4842G	61.68	74.00	-12.32	30.26	3	Vertical	104	1.86	-	28.54	2.88	-
AV	2.4835G	47.33	54.00	-6.67	15.92	3	Vertical	104	1.86	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

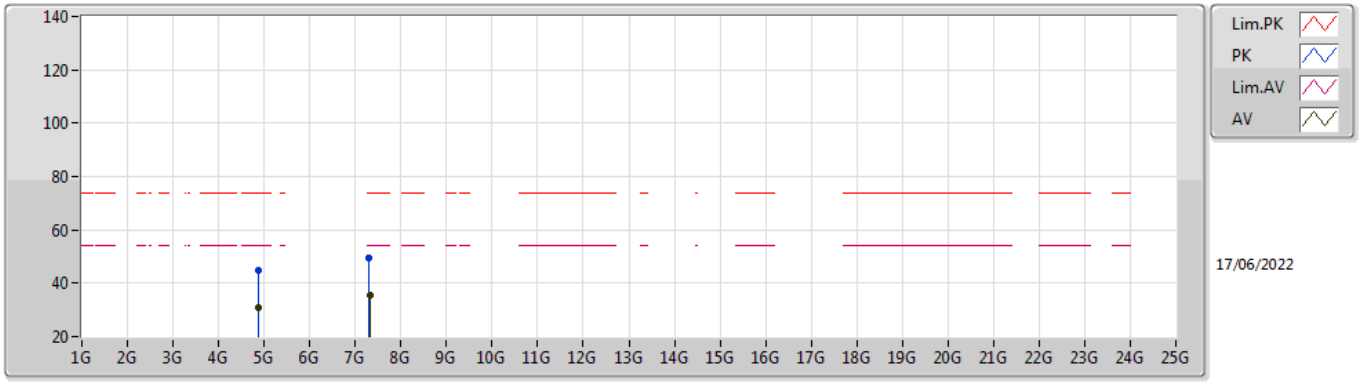


EUT X_2TX
Setting 74
02-B-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3882G	69.30	74.00	-4.70	38.13	3	Horizontal	298	1.74	-	28.38	2.79	-
AV	2.3894G	49.13	54.00	-4.87	17.96	3	Horizontal	298	1.74	-	28.38	2.79	-
PK	2.4342G	117.95	Inf	-Inf	86.72	3	Horizontal	298	1.74	-	28.40	2.83	-
AV	2.4342G	104.80	Inf	-Inf	73.57	3	Horizontal	298	1.74	-	28.40	2.83	-
PK	2.4846G	73.25	74.00	-0.75	41.83	3	Horizontal	298	1.74	-	28.54	2.88	-
AV	2.4842G	49.55	54.00	-4.45	18.13	3	Horizontal	298	1.74	-	28.54	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

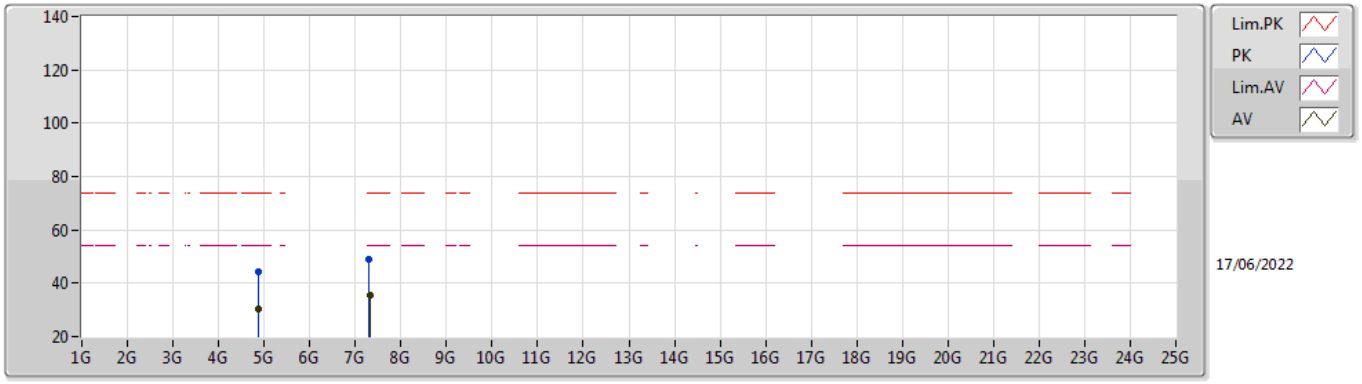


EUT X_2TX
Setting 74
02-B-S-8

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	4.87296G	44.67	74.00	-29.33	38.63	3	Vertical	163	2.64	-	33.15	5.10	32.21
AV	4.87542G	30.64	54.00	-23.36	24.59	3	Vertical	163	2.64	-	33.15	5.10	32.20
PK	7.30606G	49.58	74.00	-24.42	39.83	3	Vertical	246	1.73	-	36.41	6.15	32.81
AV	7.31368G	35.58	54.00	-18.42	25.82	3	Vertical	246	1.73	-	36.43	6.16	32.83

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

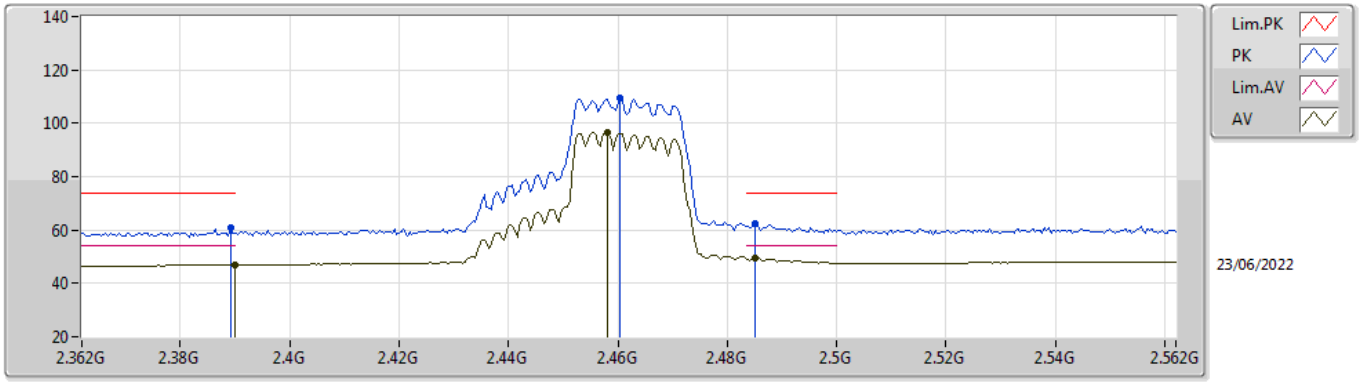


EUT X_2TX
Setting 74
02-B-S-8

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	4.8704G	44.49	74.00	-29.51	38.46	3	Horizontal	307	2.74	-	33.14	5.10	32.21
AV	4.8754G	30.60	54.00	-23.40	24.55	3	Horizontal	307	2.74	-	33.15	5.10	32.20
PK	7.30894G	49.17	74.00	-24.83	39.42	3	Horizontal	291	2.27	-	36.42	6.15	32.82
AV	7.31536G	35.58	54.00	-18.42	25.82	3	Horizontal	291	2.27	-	36.43	6.16	32.83

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

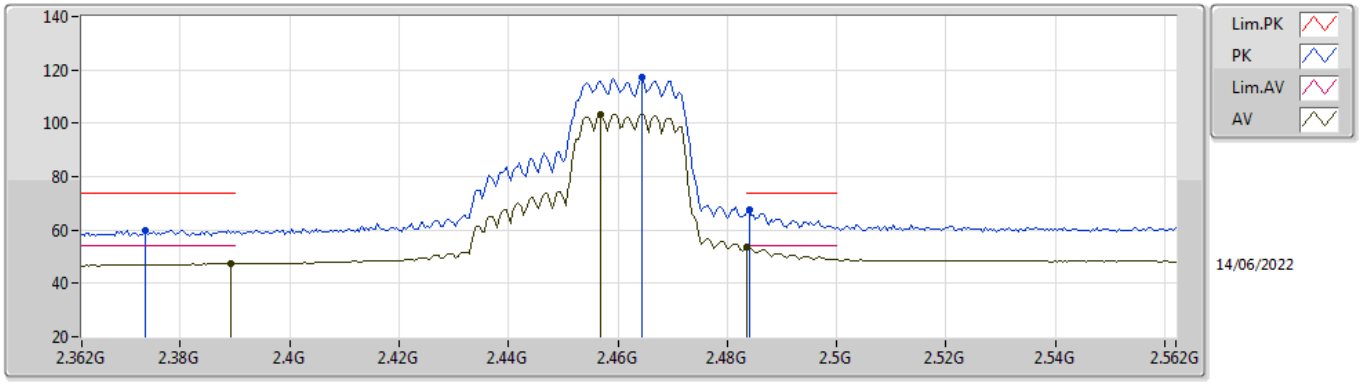


EUT X_2TX
Setting 73
02-B-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	60.64	74.00	-13.36	29.47	3	Vertical	216	1.87	-	28.38	2.79	-
AV	2.39G	46.83	54.00	-7.17	15.66	3	Vertical	216	1.87	-	28.38	2.79	-
PK	2.4604G	109.52	Inf	-Inf	78.22	3	Vertical	216	1.87	-	28.44	2.86	-
AV	2.458G	96.64	Inf	-Inf	65.35	3	Vertical	216	1.87	-	28.43	2.86	-
PK	2.4852G	62.19	74.00	-11.81	30.76	3	Vertical	216	1.87	-	28.54	2.89	-
AV	2.4852G	49.47	54.00	-4.53	18.04	3	Vertical	216	1.87	-	28.54	2.89	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

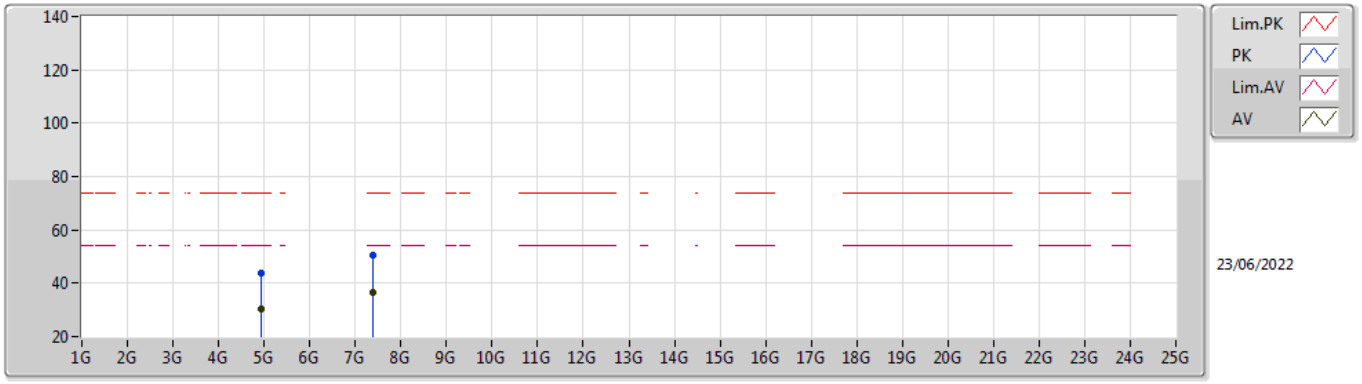


EUT X_2TX
Setting 73
02-B-C-6

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	2.3736G	60.00	74.00	-14.00	28.86	3	Horizontal	302	1.76	-	28.35	2.79	-
AV	2.3892G	47.36	54.00	-6.64	16.19	3	Horizontal	302	1.76	-	28.38	2.79	-
PK	2.4644G	117.30	Inf	-Inf	85.98	3	Horizontal	302	1.76	-	28.46	2.86	-
AV	2.4568G	103.22	Inf	-Inf	71.93	3	Horizontal	302	1.76	-	28.43	2.86	-
PK	2.484G	67.56	74.00	-6.44	36.14	3	Horizontal	302	1.76	-	28.54	2.88	-
AV	2.4835G	53.56	54.00	-0.44	22.15	3	Horizontal	302	1.76	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

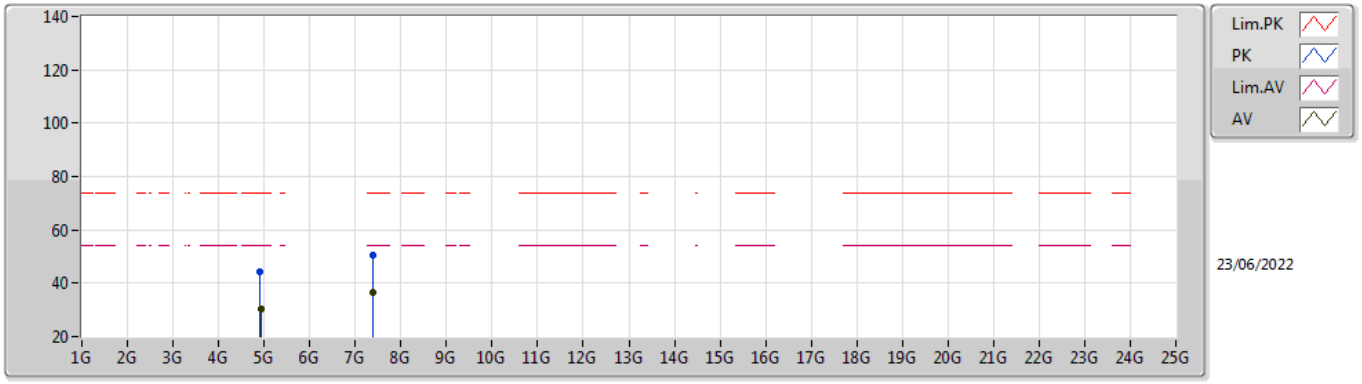


EUT X_2TX
Setting 73
02-B-C-6

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	4.92742G	43.88	74.00	-30.12	37.72	3	Vertical	101	1.77	-	33.25	5.10	32.19
AV	4.92688G	30.48	54.00	-23.52	24.32	3	Vertical	101	1.77	-	33.25	5.10	32.19
PK	7.40052G	50.62	74.00	-23.38	40.90	3	Vertical	325	1.79	-	36.50	6.20	32.98
AV	7.3722G	36.39	54.00	-17.61	26.63	3	Vertical	325	1.79	-	36.50	6.19	32.93

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

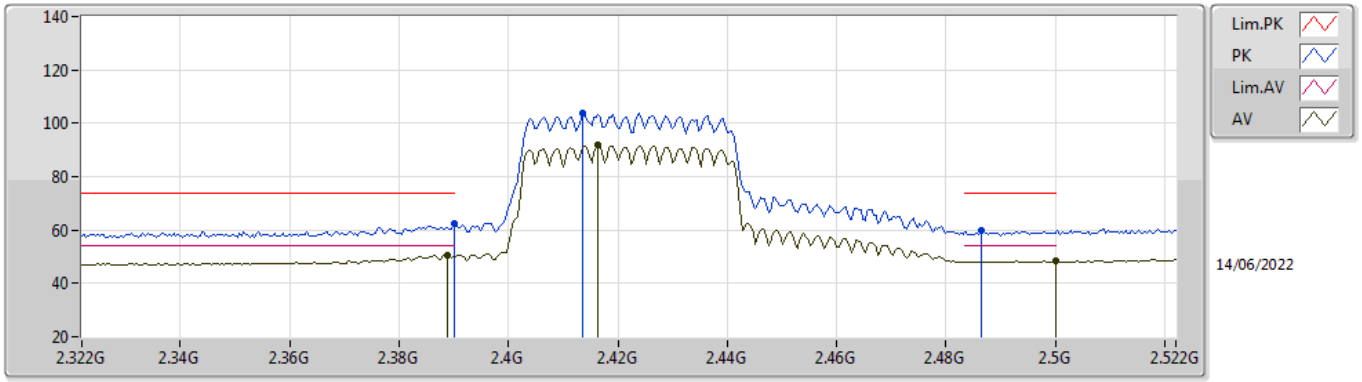


EUT X_2TX
Setting 73
02-B-C-6

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	4.91848G	44.47	74.00	-29.53	38.32	3	Horizontal	281	2.62	-	33.24	5.10	32.19
AV	4.9267G	30.52	54.00	-23.48	24.36	3	Horizontal	281	2.62	-	33.25	5.10	32.19
PK	7.38738G	50.33	74.00	-23.67	40.59	3	Horizontal	178	1.05	-	36.50	6.19	32.95
AV	7.377G	36.34	54.00	-17.66	26.59	3	Horizontal	178	1.05	-	36.50	6.19	32.94

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

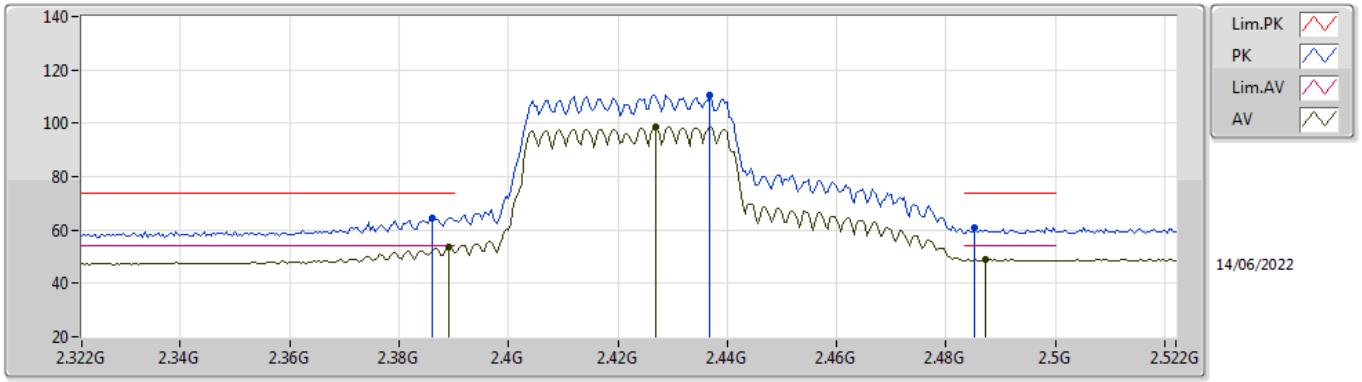


EUT X_2TX
Setting 59
02-B-C-6

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	62.26	74.00	-11.74	31.09	3	Vertical	256	1.29	-	28.38	2.79	-
AV	2.3888G	50.61	54.00	-3.39	19.44	3	Vertical	256	1.29	-	28.38	2.79	-
PK	2.4136G	103.74	Inf	-Inf	72.53	3	Vertical	256	1.29	-	28.40	2.81	-
AV	2.4164G	92.13	Inf	-Inf	60.91	3	Vertical	256	1.29	-	28.40	2.82	-
PK	2.4864G	59.78	74.00	-14.22	28.34	3	Vertical	256	1.29	-	28.55	2.89	-
AV	2.5G	48.34	54.00	-5.66	16.84	3	Vertical	256	1.29	-	28.60	2.90	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

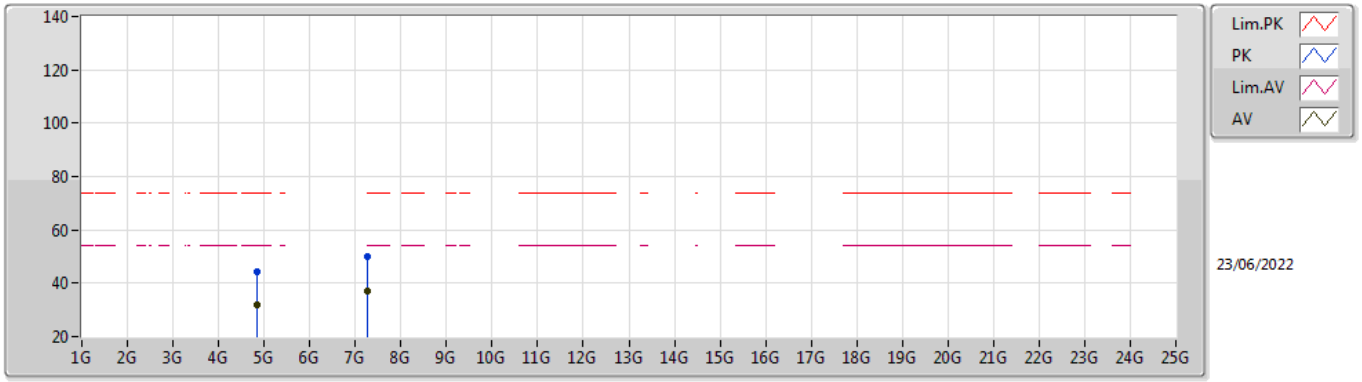


EUT X_2TX
Setting 59
02-B-C-6

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	2.386G	64.59	74.00	-9.41	33.43	3	Horizontal	304	1.80	-	28.37	2.79	-
AV	2.3892G	53.61	54.00	-0.39	22.44	3	Horizontal	304	1.80	-	28.38	2.79	-
PK	2.4368G	110.46	Inf	-Inf	79.22	3	Horizontal	304	1.80	-	28.40	2.84	-
AV	2.4268G	98.47	Inf	-Inf	67.24	3	Horizontal	304	1.80	-	28.40	2.83	-
PK	2.4852G	60.92	74.00	-13.08	29.49	3	Horizontal	304	1.80	-	28.54	2.89	-
AV	2.4872G	48.95	54.00	-5.05	17.51	3	Horizontal	304	1.80	-	28.55	2.89	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

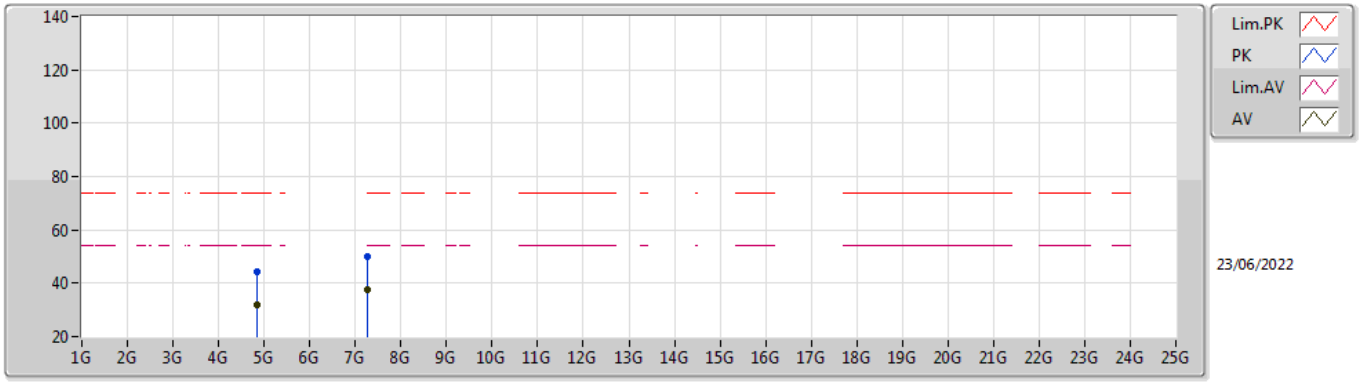


EUT X_2TX
Setting 59
02-B-C-6

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	4.84994G	44.07	74.00	-29.93	38.08	3	Vertical	232	1.39	-	33.10	5.10	32.21
AV	4.8452G	31.64	54.00	-22.36	25.69	3	Vertical	232	1.39	-	33.07	5.10	32.22
PK	7.25658G	50.14	74.00	-23.86	40.51	3	Vertical	340	2.32	-	36.23	6.13	32.73
AV	7.26354G	37.24	54.00	-16.76	27.60	3	Vertical	340	2.32	-	36.25	6.13	32.74

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

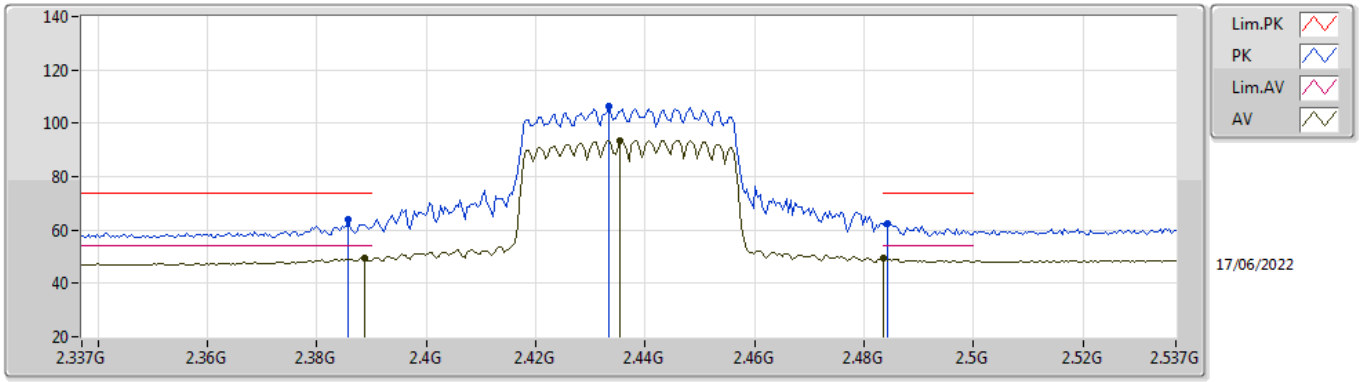


EUT X_2TX
Setting 59
02-B-C-6

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	4.84286G	44.43	74.00	-29.57	38.49	3	Horizontal	217	1.29	-	33.06	5.10	32.22
AV	4.85558G	31.98	54.00	-22.02	25.98	3	Horizontal	217	1.29	-	33.11	5.10	32.21
PK	7.26084G	49.92	74.00	-24.08	40.28	3	Horizontal	334	2.83	-	36.24	6.13	32.73
AV	7.25412G	37.70	54.00	-16.30	28.07	3	Horizontal	334	2.83	-	36.22	6.13	32.72

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

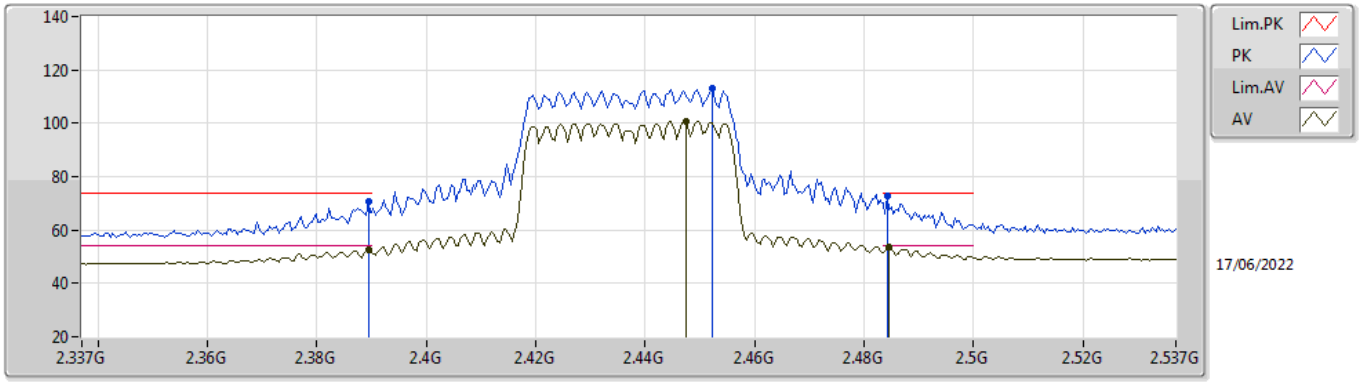


EUT X_2TX
Setting 61
02-B-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3858G	63.96	74.00	-10.04	32.80	3	Vertical	245	1.71	-	28.37	2.79	-
AV	2.3886G	49.37	54.00	-4.63	18.20	3	Vertical	245	1.71	-	28.38	2.79	-
PK	2.4334G	106.13	Inf	-Inf	74.90	3	Vertical	245	1.71	-	28.40	2.83	-
AV	2.4354G	93.65	Inf	-Inf	62.41	3	Vertical	245	1.71	-	28.40	2.84	-
PK	2.4842G	62.60	74.00	-11.40	31.18	3	Vertical	245	1.71	-	28.54	2.88	-
AV	2.4835G	49.24	54.00	-4.76	17.83	3	Vertical	245	1.71	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

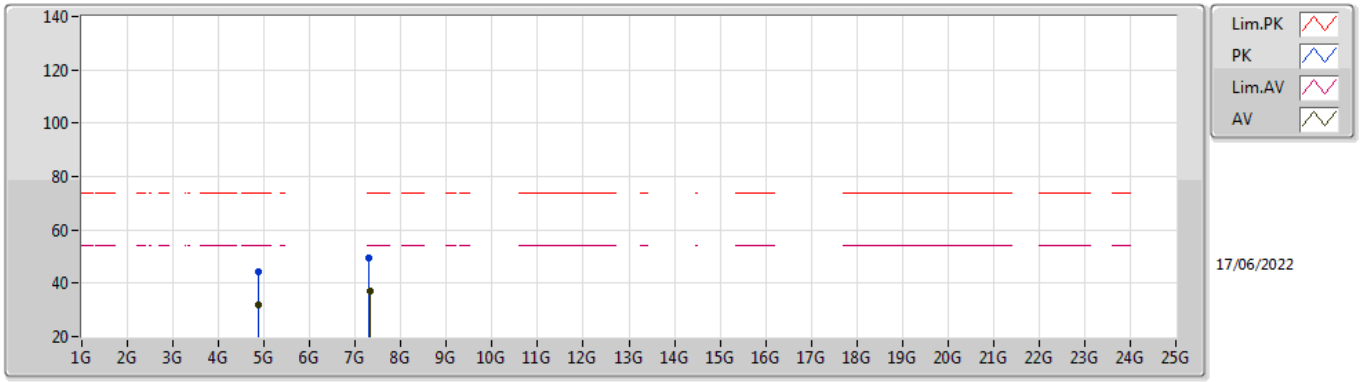


EUT X_2TX
Setting 61
02-B-S-8

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	70.68	74.00	-3.32	39.51	3	Horizontal	49	1.52	-	28.38	2.79	-
AV	2.3894G	52.76	54.00	-1.24	21.59	3	Horizontal	49	1.52	-	28.38	2.79	-
PK	2.4522G	112.97	Inf	-Inf	81.71	3	Horizontal	49	1.52	-	28.41	2.85	-
AV	2.4474G	100.64	Inf	-Inf	69.39	3	Horizontal	49	1.52	-	28.40	2.85	-
PK	2.4842G	72.87	74.00	-1.13	41.45	3	Horizontal	49	1.52	-	28.54	2.88	-
AV	2.4846G	53.55	54.00	-0.45	22.13	3	Horizontal	49	1.52	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

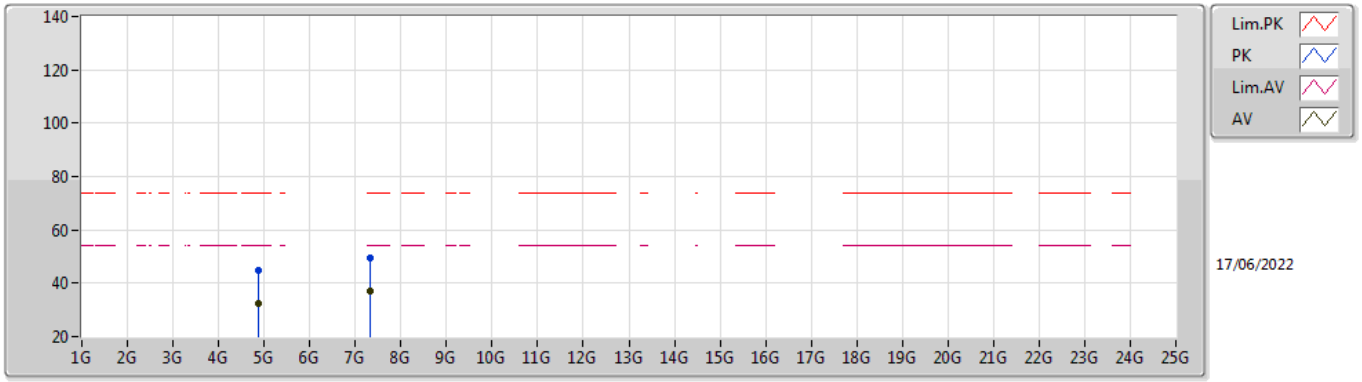


EUT X_2TX
Setting 61
02-B-S-8

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	4.87144G	44.53	74.00	-29.47	38.50	3	Vertical	37	1.84	-	33.14	5.10	32.21
AV	4.87178G	32.11	54.00	-21.89	26.08	3	Vertical	37	1.84	-	33.14	5.10	32.21
PK	7.30626G	49.55	74.00	-24.45	39.80	3	Vertical	22	2.58	-	36.41	6.15	32.81
AV	7.31568G	36.95	54.00	-17.05	27.19	3	Vertical	22	2.58	-	36.43	6.16	32.83

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

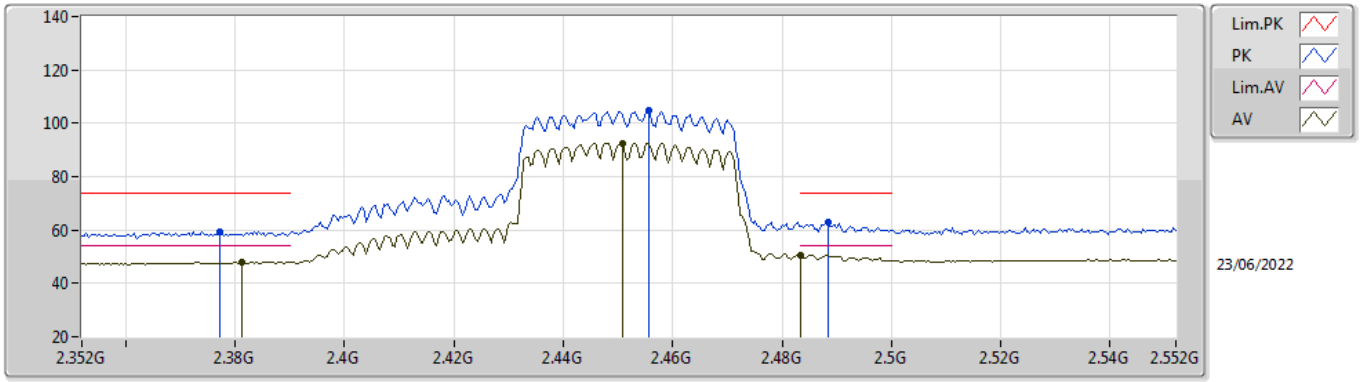


EUT X_2TX
Setting 61
02-B-S-8

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	4.86928G	44.87	74.00	-29.13	38.84	3	Horizontal	187	2.58	-	33.14	5.10	32.21
AV	4.86926G	32.21	54.00	-21.79	26.18	3	Horizontal	187	2.58	-	33.14	5.10	32.21
PK	7.31284G	49.67	74.00	-24.33	39.90	3	Horizontal	339	1.92	-	36.43	6.16	32.82
AV	7.31434G	36.90	54.00	-17.10	27.14	3	Horizontal	339	1.92	-	36.43	6.16	32.83

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

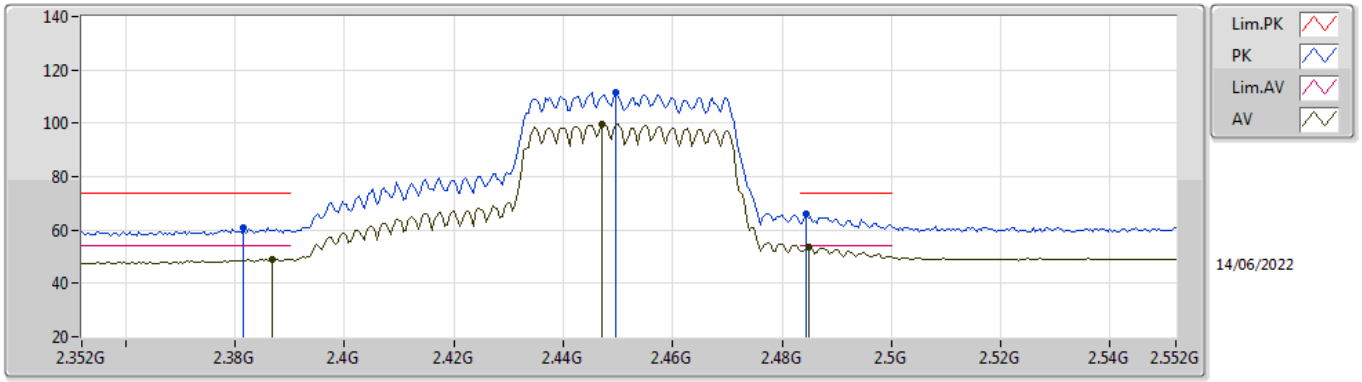


EUT X_2TX
Setting 60
02-B-C-6

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	2.3772G	59.18	74.00	-14.82	28.04	3	Vertical	217	1.87	-	28.35	2.79	-
AV	2.3812G	48.03	54.00	-5.97	16.88	3	Vertical	217	1.87	-	28.36	2.79	-
PK	2.4556G	104.64	Inf	-Inf	73.36	3	Vertical	217	1.87	-	28.42	2.86	-
AV	2.4508G	92.60	Inf	-Inf	61.35	3	Vertical	217	1.87	-	28.40	2.85	-
PK	2.4884G	62.82	74.00	-11.18	31.38	3	Vertical	217	1.87	-	28.55	2.89	-
AV	2.4835G	50.76	54.00	-3.24	19.35	3	Vertical	217	1.87	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

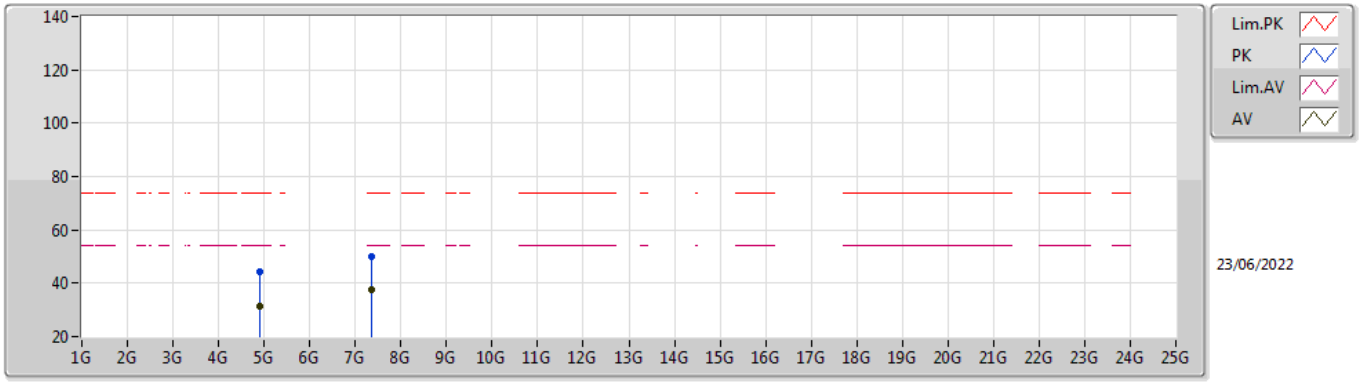


EUT X_2TX
Setting 60
02-B-C-6

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	2.3816G	60.99	74.00	-13.01	29.84	3	Horizontal	304	1.25	-	28.36	2.79	-
AV	2.3868G	49.03	54.00	-4.97	17.87	3	Horizontal	304	1.25	-	28.37	2.79	-
PK	2.4496G	111.78	Inf	-Inf	80.53	3	Horizontal	304	1.25	-	28.40	2.85	-
AV	2.4472G	99.64	Inf	-Inf	68.39	3	Horizontal	304	1.25	-	28.40	2.85	-
PK	2.4844G	65.90	74.00	-8.10	34.48	3	Horizontal	304	1.25	-	28.54	2.88	-
AV	2.4848G	53.79	54.00	-0.21	22.37	3	Horizontal	304	1.25	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

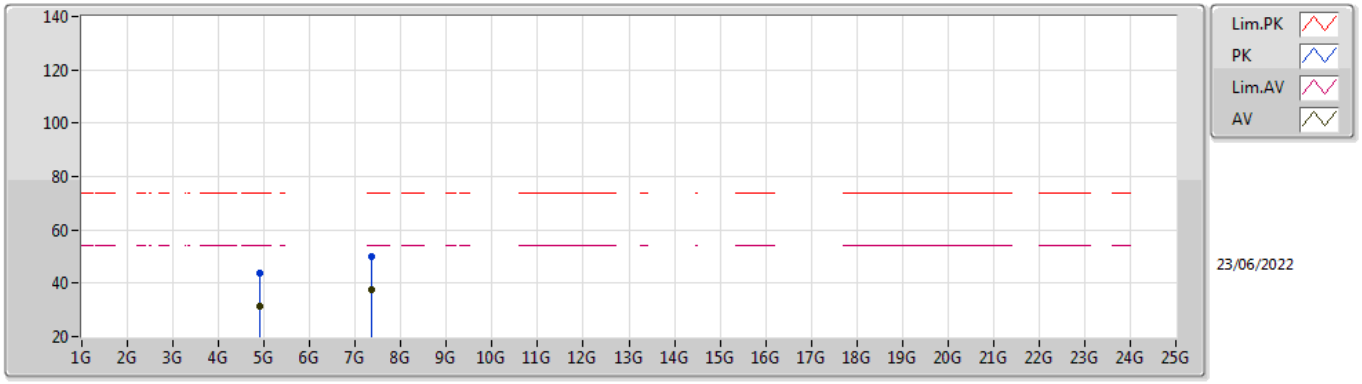


EUT X_2TX
Setting 60
02-B-C-6

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	4.90478G	44.30	74.00	-29.70	38.18	3	Vertical	94	1.07	-	33.21	5.10	32.19
AV	4.90994G	31.60	54.00	-22.40	25.47	3	Vertical	94	1.07	-	33.22	5.10	32.19
PK	7.3524G	49.84	74.00	-24.16	40.05	3	Vertical	358	1.91	-	36.50	6.18	32.89
AV	7.36092G	37.45	54.00	-16.55	27.68	3	Vertical	358	1.91	-	36.50	6.18	32.91

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT X_2TX
Setting 60
02-B-C-6

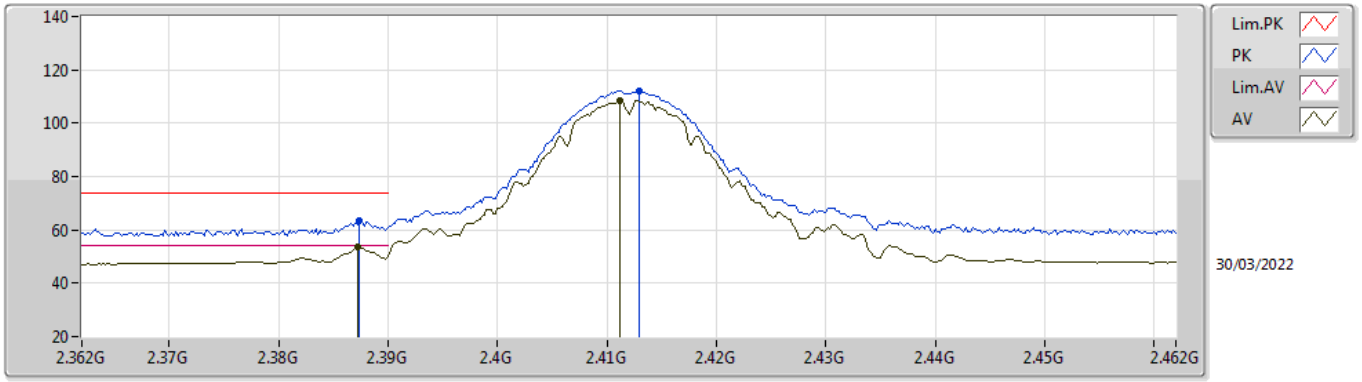
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9085G	43.64	74.00	-30.36	37.51	3	Horizontal	84	1.48	-	33.22	5.10	32.19
AV	4.9184G	31.57	54.00	-22.43	25.42	3	Horizontal	84	1.48	-	33.24	5.10	32.19
PK	7.34856G	50.04	74.00	-23.96	40.26	3	Horizontal	199	2.50	-	36.50	6.17	32.89
AV	7.36398G	37.47	54.00	-16.53	27.70	3	Horizontal	199	2.50	-	36.50	6.18	32.91

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	53.96	54.00	-0.04	3	Vertical	-0	2.51	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

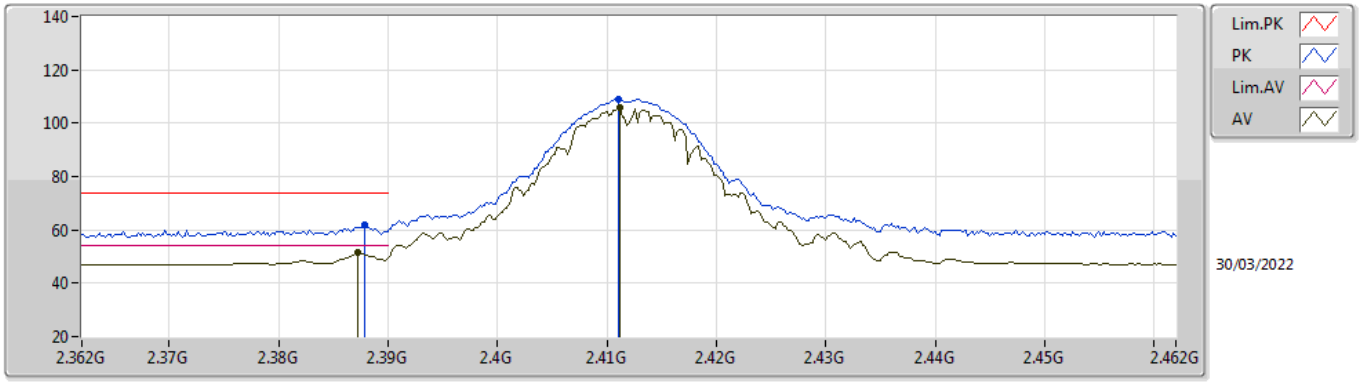


EUT X_1TX
Setting 88
02-B-R-5

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	2.3874G	63.29	74.00	-10.71	32.13	3	Vertical	357	2.36	-	28.37	2.79	-
AV	2.3872G	53.44	54.00	-0.56	22.28	3	Vertical	357	2.36	-	28.37	2.79	-
PK	2.413G	112.29	Inf	-Inf	81.08	3	Vertical	357	2.36	-	28.40	2.81	-
AV	2.4112G	108.61	Inf	-Inf	77.40	3	Vertical	357	2.36	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

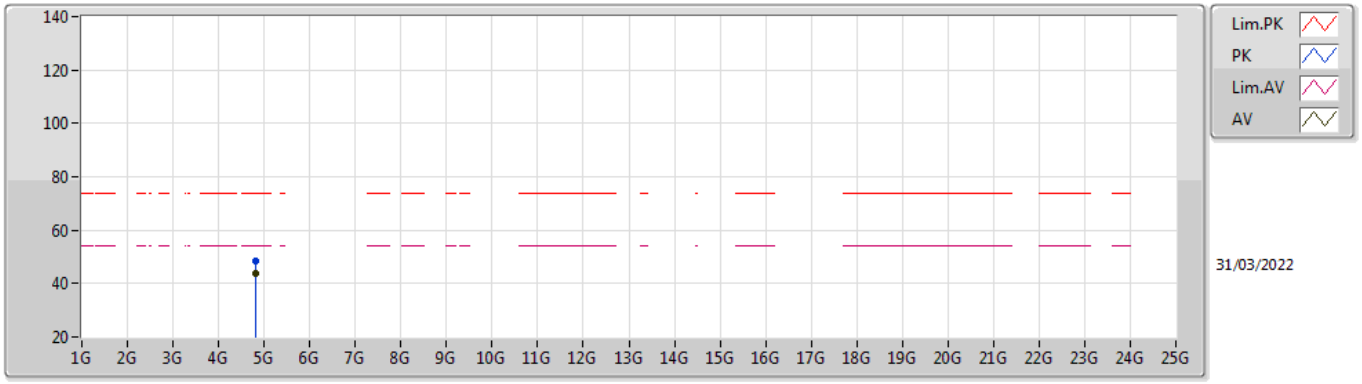


EUT X_1TX
Setting 88
02-B-R-5

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	2.3878G	61.93	74.00	-12.07	30.76	3	Horizontal	38	1.73	-	28.38	2.79	-
AV	2.3872G	51.43	54.00	-2.57	20.27	3	Horizontal	38	1.73	-	28.37	2.79	-
PK	2.411G	109.15	Inf	-Inf	77.94	3	Horizontal	38	1.73	-	28.40	2.81	-
AV	2.4112G	105.62	Inf	-Inf	74.41	3	Horizontal	38	1.73	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

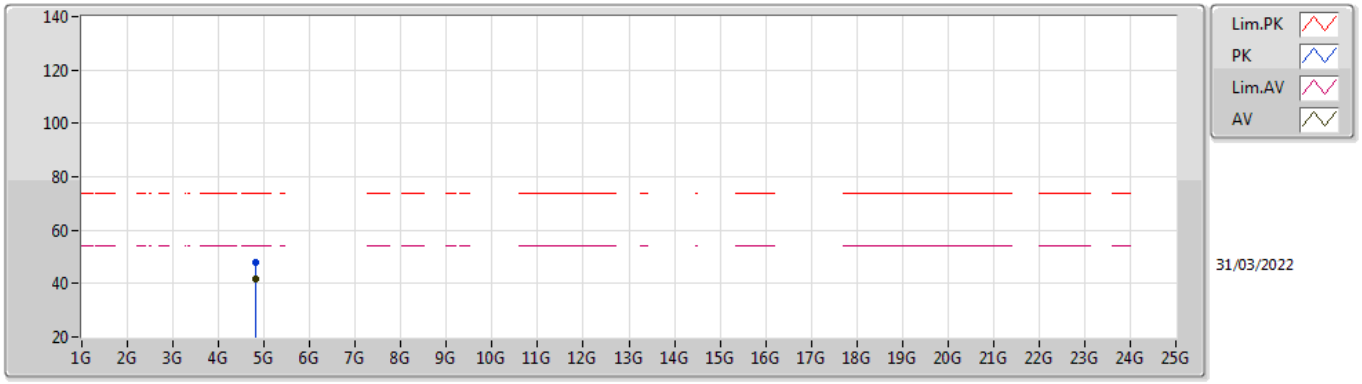


EUT X_1TX
Setting 88
02-B-C-5

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	4.82388G	48.69	74.00	-25.31	43.01	3	Vertical	360	1.93	-	32.80	5.10	32.22
AV	4.824G	43.79	54.00	-10.21	38.11	3	Vertical	360	1.93	-	32.80	5.10	32.22

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

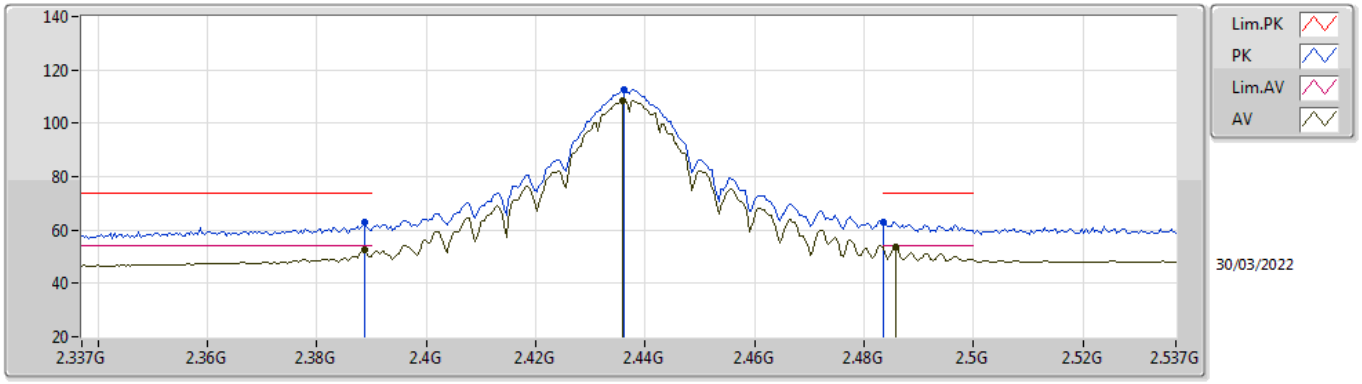


EUT X_1TX
Setting 88
02-B-C-5

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	4.824G	48.01	74.00	-25.99	42.33	3	Horizontal	298	2.26	-	32.80	5.10	32.22
AV	4.82396G	41.55	54.00	-12.45	35.87	3	Horizontal	298	2.26	-	32.80	5.10	32.22

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

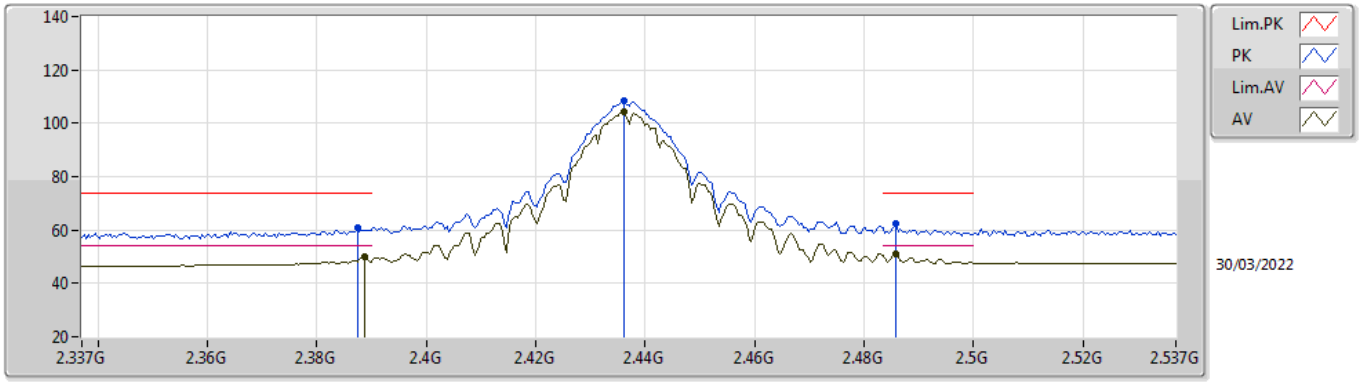


EUT X_1TX
Setting 94
02-B-R-5

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	2.3886G	63.07	74.00	-10.93	31.90	3	Vertical	344	2.36	-	28.38	2.79	-
AV	2.3886G	52.45	54.00	-1.55	21.28	3	Vertical	344	2.36	-	28.38	2.79	-
PK	2.4362G	112.67	Inf	-Inf	81.43	3	Vertical	344	2.36	-	28.40	2.84	-
AV	2.4358G	108.67	Inf	-Inf	77.43	3	Vertical	344	2.36	-	28.40	2.84	-
PK	2.4835G	63.06	74.00	-10.94	31.65	3	Vertical	344	2.36	-	28.53	2.88	-
AV	2.4858G	53.66	54.00	-0.34	22.23	3	Vertical	344	2.36	-	28.54	2.89	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

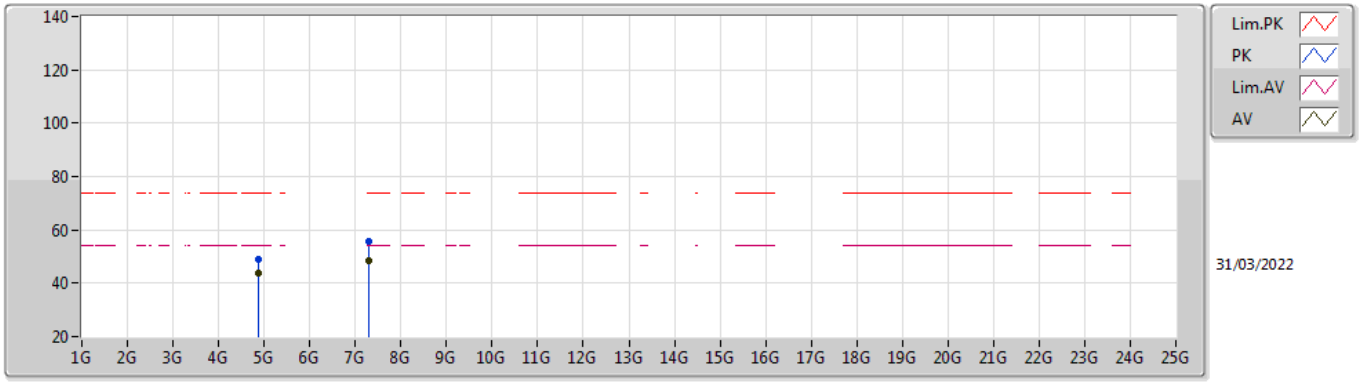


EUT X_1TX
Setting 94
02-B-R-5

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	2.3874G	60.64	74.00	-13.36	29.48	3	Horizontal	286	1.02	-	28.37	2.79	-
AV	2.3886G	49.89	54.00	-4.11	18.72	3	Horizontal	286	1.02	-	28.38	2.79	-
PK	2.4362G	108.20	Inf	-Inf	76.96	3	Horizontal	286	1.02	-	28.40	2.84	-
AV	2.4362G	104.45	Inf	-Inf	73.21	3	Horizontal	286	1.02	-	28.40	2.84	-
PK	2.4858G	62.29	74.00	-11.71	30.86	3	Horizontal	286	1.02	-	28.54	2.89	-
AV	2.4858G	50.96	54.00	-3.04	19.53	3	Horizontal	286	1.02	-	28.54	2.89	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

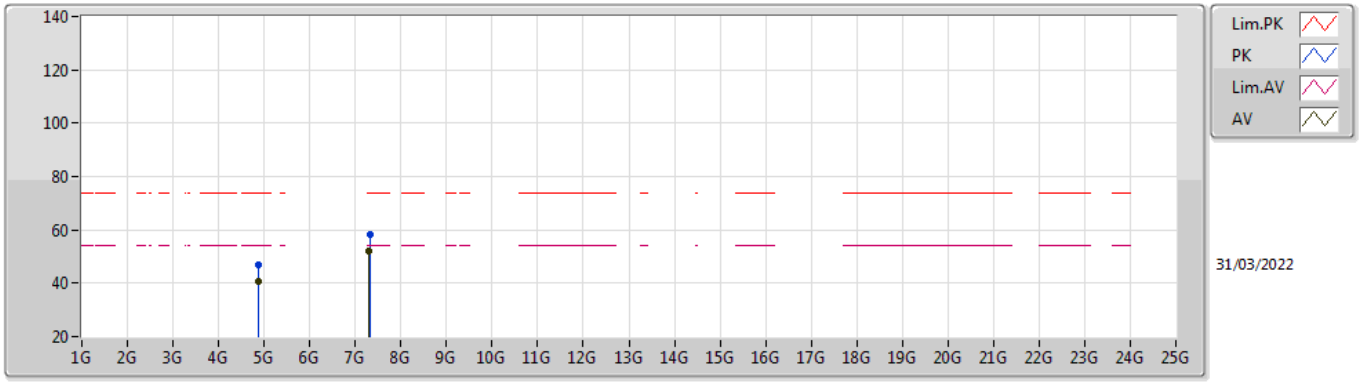


EUT X_1TX
Setting 94
02-B-C-5

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	4.87396G	48.99	74.00	-25.01	43.15	3	Vertical	348	1.80	-	32.95	5.10	32.21
AV	4.87396G	43.64	54.00	-10.36	37.80	3	Vertical	348	1.80	-	32.95	5.10	32.21
PK	7.30984G	55.74	74.00	-18.26	45.99	3	Vertical	44	2.47	-	36.42	6.15	32.82
AV	7.30976G	48.41	54.00	-5.59	38.66	3	Vertical	44	2.47	-	36.42	6.15	32.82

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

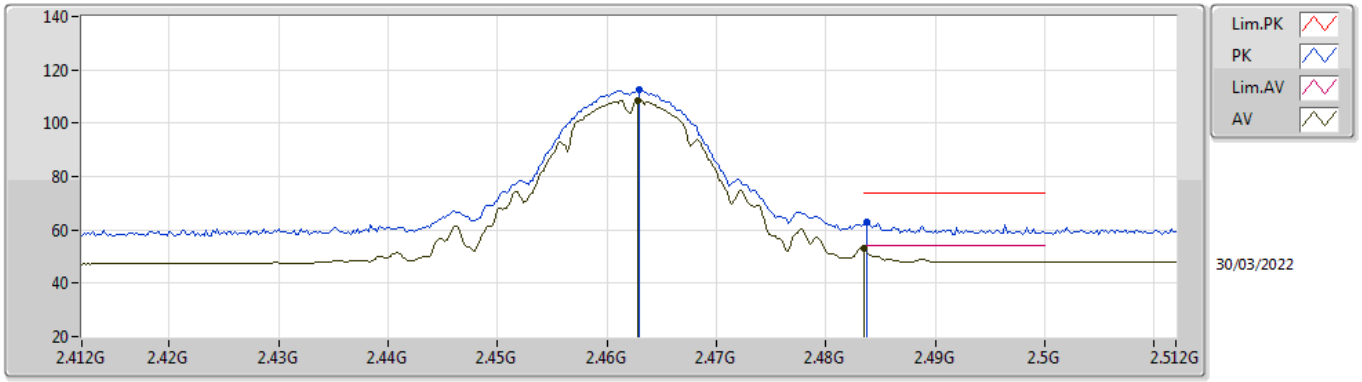


EUT X_1TX
Setting 94
02-B-C-5

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	4.87388G	47.00	74.00	-27.00	41.16	3	Horizontal	318	2.31	-	32.95	5.10	32.21
AV	4.87396G	40.59	54.00	-13.41	34.75	3	Horizontal	318	2.31	-	32.95	5.10	32.21
PK	7.31192G	58.10	74.00	-15.90	48.34	3	Horizontal	307	2.49	-	36.42	6.16	32.82
AV	7.30972G	51.82	54.00	-2.18	42.07	3	Horizontal	307	2.49	-	36.42	6.15	32.82

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

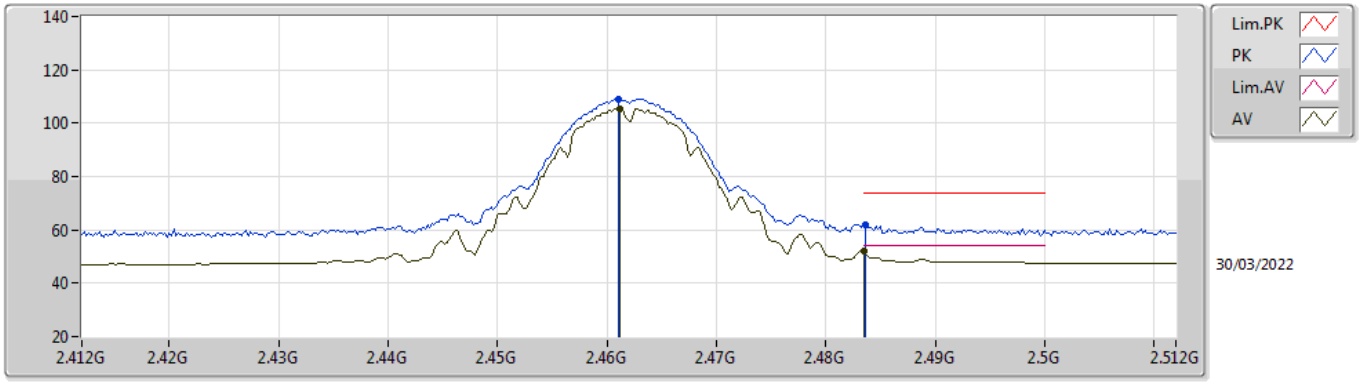


EUT X_1TX
Setting 83
02-B-R-5

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	2.463G	112.41	Inf	-Inf	81.10	3	Vertical	2	2.52	-	28.45	2.86	-
AV	2.4628G	108.63	Inf	-Inf	77.32	3	Vertical	2	2.52	-	28.45	2.86	-
PK	2.4838G	62.75	74.00	-11.25	31.33	3	Vertical	2	2.52	-	28.54	2.88	-
AV	2.4835G	53.13	54.00	-0.87	21.72	3	Vertical	2	2.52	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

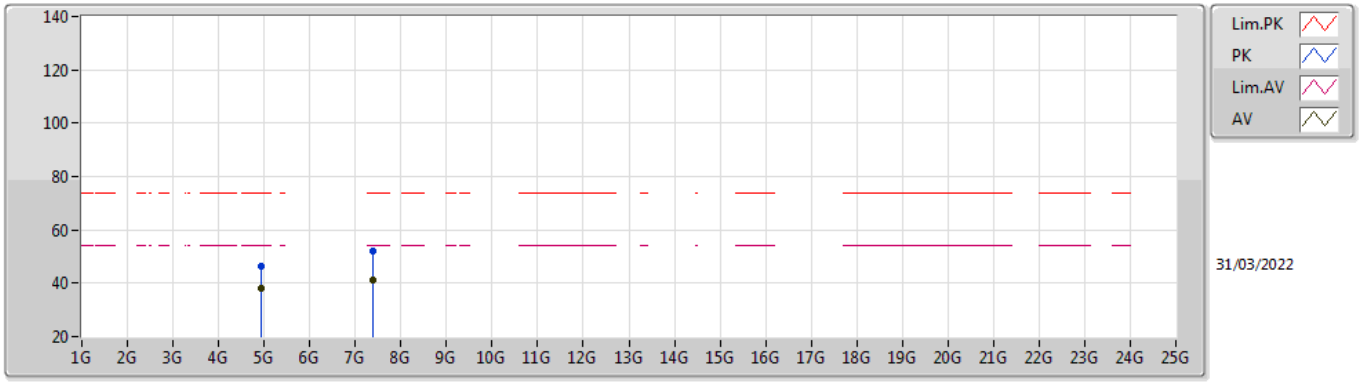


EUT X_1TX
Setting 83
02-B-R-5

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	2.461G	109.22	Inf	-Inf	77.92	3	Horizontal	57	2.52	-	28.44	2.86	-
AV	2.4612G	105.44	Inf	-Inf	74.14	3	Horizontal	57	2.52	-	28.44	2.86	-
PK	2.4836G	61.96	74.00	-12.04	30.55	3	Horizontal	57	2.52	-	28.53	2.88	-
AV	2.4835G	51.99	54.00	-2.01	20.58	3	Horizontal	57	2.52	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

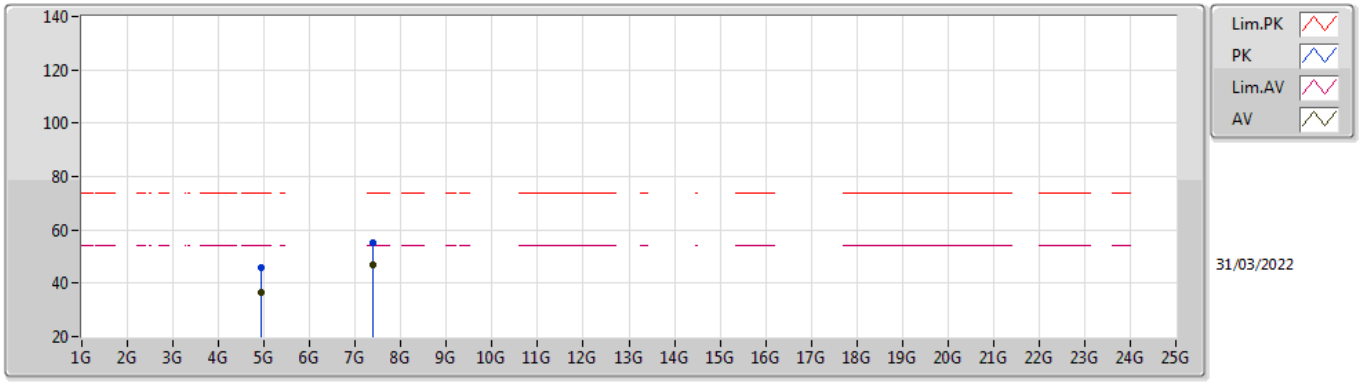


EUT X_1TX
Setting 83
02-B-C-5

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	4.92396G	46.42	74.00	-27.58	40.37	3	Vertical	4	2.27	-	33.14	5.10	32.19
AV	4.924G	38.18	54.00	-15.82	32.13	3	Vertical	4	2.27	-	33.14	5.10	32.19
PK	7.38448G	51.83	74.00	-22.17	42.02	3	Vertical	0	2.85	-	36.57	6.19	32.95
AV	7.3852G	41.04	54.00	-12.96	31.23	3	Vertical	0	2.85	-	36.57	6.19	32.95

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

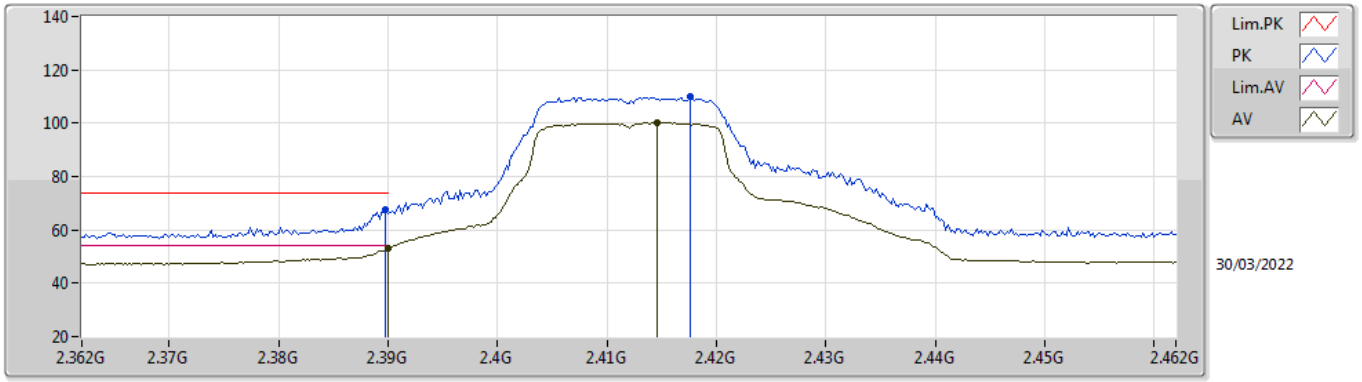


EUT X_1TX
Setting 83
02-B-C-5

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	4.92388G	45.72	74.00	-28.28	39.67	3	Horizontal	309	2.30	-	33.14	5.10	32.19
AV	4.92392G	36.51	54.00	-17.49	30.46	3	Horizontal	309	2.30	-	33.14	5.10	32.19
PK	7.38684G	55.18	74.00	-18.82	45.37	3	Horizontal	308	2.53	-	36.57	6.19	32.95
AV	7.3842G	47.02	54.00	-6.98	37.21	3	Horizontal	308	2.53	-	36.57	6.19	32.95

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

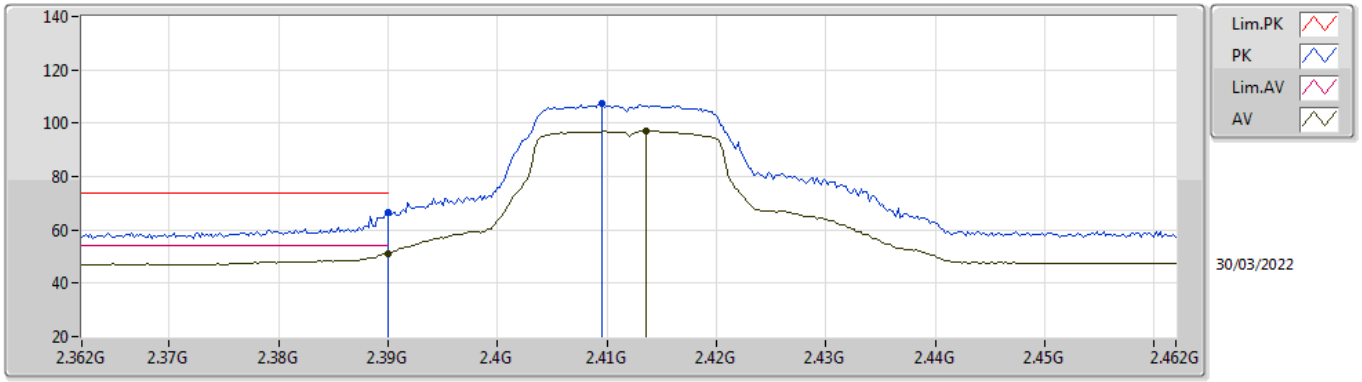


EUT X_1TX
Setting 77
02-B-R-5

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	2.3898G	67.80	74.00	-6.20	36.63	3	Vertical	354	2.35	-	28.38	2.79	-
AV	2.39G	53.06	54.00	-0.94	21.89	3	Vertical	354	2.35	-	28.38	2.79	-
PK	2.4176G	110.25	Inf	-Inf	79.03	3	Vertical	354	2.35	-	28.40	2.82	-
AV	2.4146G	100.18	Inf	-Inf	68.97	3	Vertical	354	2.35	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

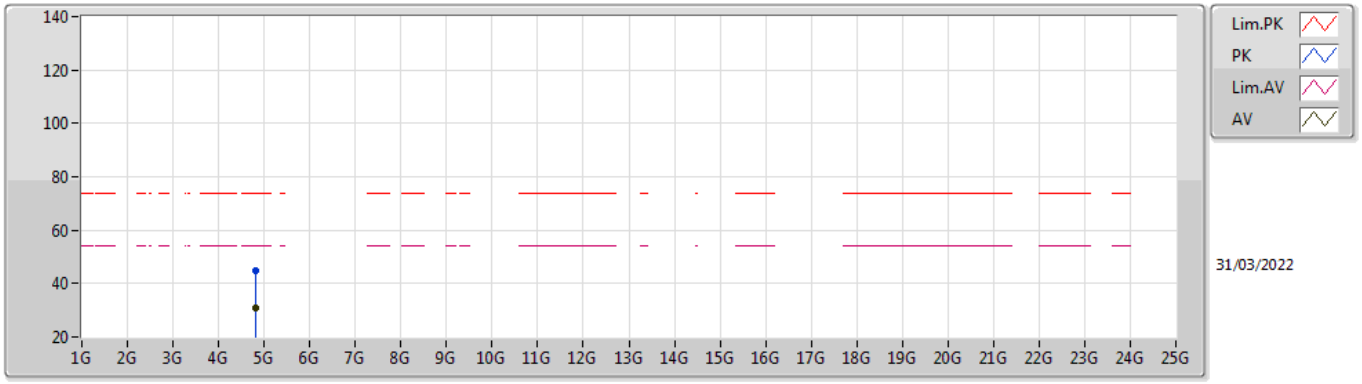


EUT X_1TX
Setting 77
02-B-R-5

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	2.39G	66.79	74.00	-7.21	35.62	3	Horizontal	37	1.76	-	28.38	2.79	-
AV	2.39G	51.19	54.00	-2.81	20.02	3	Horizontal	37	1.76	-	28.38	2.79	-
PK	2.4096G	107.53	Inf	-Inf	76.32	3	Horizontal	37	1.76	-	28.40	2.81	-
AV	2.4136G	97.00	Inf	-Inf	65.79	3	Horizontal	37	1.76	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

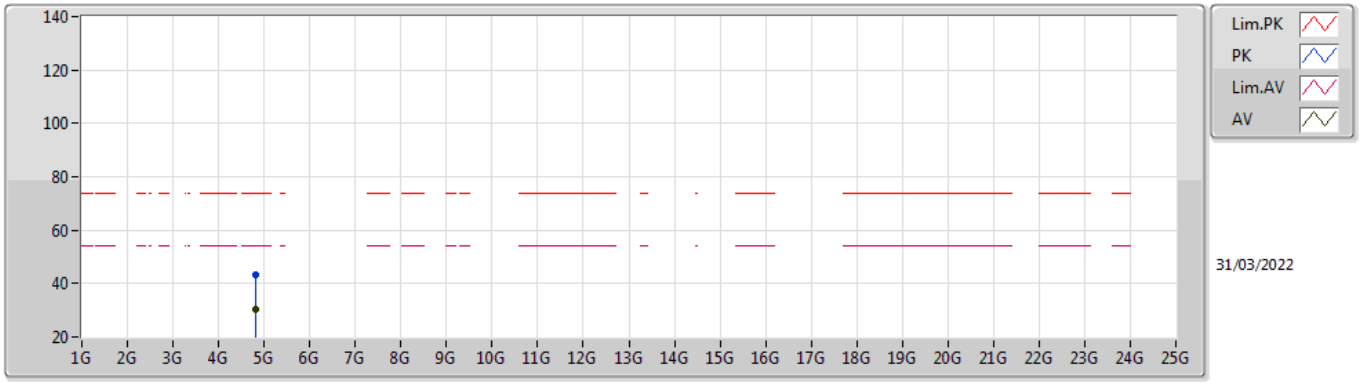


EUT X_1TX
Setting 77
02-B-C-5

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	4.8226G	44.63	74.00	-29.37	38.96	3	Vertical	139	1.50	-	32.79	5.10	32.22
AV	4.82004G	30.63	54.00	-23.37	24.97	3	Vertical	139	1.50	-	32.78	5.10	32.22

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

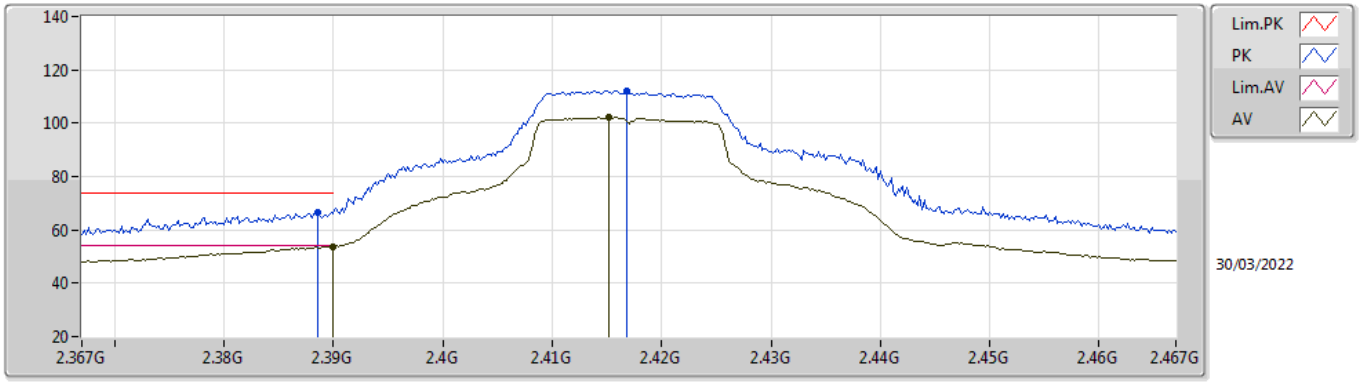


EUT X_1TX
Setting 77
02-B-C-5

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	4.81668G	43.16	74.00	-30.84	37.52	3	Horizontal	279	1.95	-	32.77	5.10	32.23
AV	4.82472G	30.33	54.00	-23.67	24.65	3	Horizontal	279	1.95	-	32.80	5.10	32.22

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

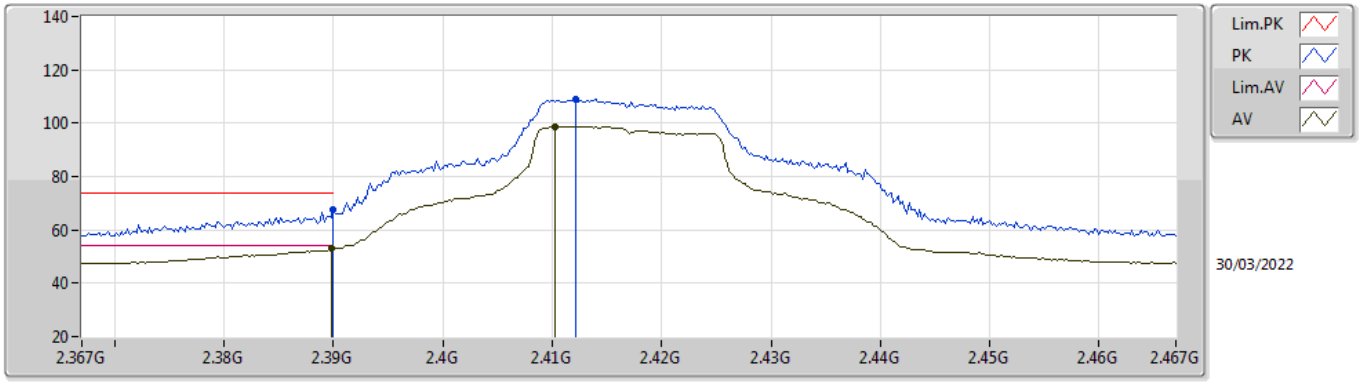


EUT X_1TX
Setting 86
02-B-R-5

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	2.3886G	66.74	74.00	-7.26	35.57	3	Vertical	353	2.36	-	28.38	2.79	-
AV	2.39G	53.71	54.00	-0.29	22.54	3	Vertical	353	2.36	-	28.38	2.79	-
PK	2.4168G	112.25	Inf	-Inf	81.03	3	Vertical	353	2.36	-	28.40	2.82	-
AV	2.4152G	102.09	Inf	-Inf	70.87	3	Vertical	353	2.36	-	28.40	2.82	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

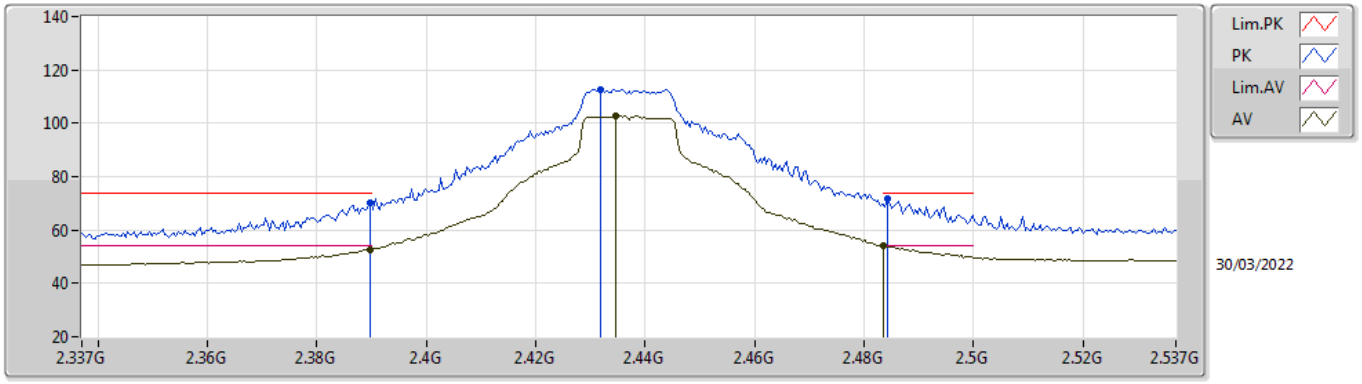


EUT X_1TX
Setting 86
02-B-R-5

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	2.39G	67.80	74.00	-6.20	36.63	3	Horizontal	36	1.74	-	28.38	2.79	-
AV	2.3898G	52.90	54.00	-1.10	21.73	3	Horizontal	36	1.74	-	28.38	2.79	-
PK	2.4122G	108.79	Inf	-Inf	77.58	3	Horizontal	36	1.74	-	28.40	2.81	-
AV	2.4102G	98.72	Inf	-Inf	67.51	3	Horizontal	36	1.74	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

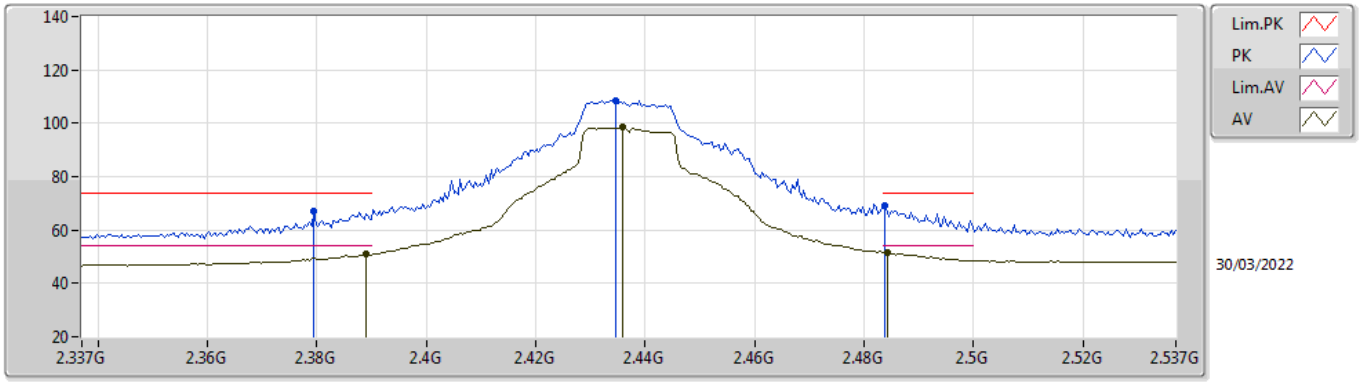


EUT X_1TX
Setting 89
02-B-R-5

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	2.3898G	70.27	74.00	-3.73	39.10	3	Vertical	343	2.34	-	28.38	2.79	-
AV	2.3898G	52.61	54.00	-1.39	21.44	3	Vertical	343	2.34	-	28.38	2.79	-
PK	2.4318G	112.72	Inf	-Inf	81.49	3	Vertical	343	2.34	-	28.40	2.83	-
AV	2.4346G	102.61	Inf	-Inf	71.38	3	Vertical	343	2.34	-	28.40	2.83	-
PK	2.4842G	71.92	74.00	-2.08	40.50	3	Vertical	343	2.34	-	28.54	2.88	-
AV	2.4835G	53.92	54.00	-0.08	22.51	3	Vertical	343	2.34	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

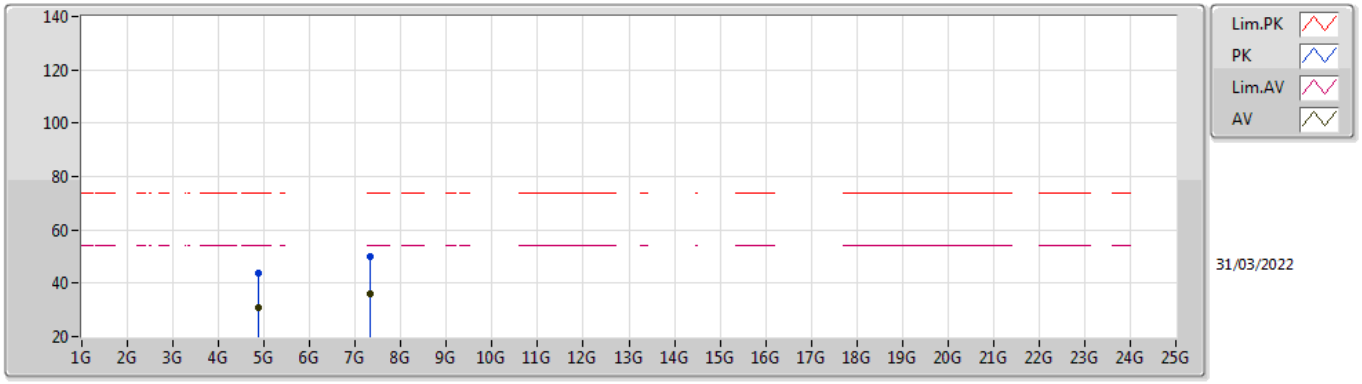


EUT X_1TX
Setting 89
02-B-R-5

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	2.3794G	67.16	74.00	-6.84	36.01	3	Horizontal	284	1.02	-	28.36	2.79	-
AV	2.389G	50.92	54.00	-3.08	19.75	3	Horizontal	284	1.02	-	28.38	2.79	-
PK	2.4346G	108.65	Inf	-Inf	77.42	3	Horizontal	284	1.02	-	28.40	2.83	-
AV	2.4358G	98.46	Inf	-Inf	67.22	3	Horizontal	284	1.02	-	28.40	2.84	-
PK	2.4838G	69.36	74.00	-4.64	37.94	3	Horizontal	284	1.02	-	28.54	2.88	-
AV	2.4842G	51.62	54.00	-2.38	20.20	3	Horizontal	284	1.02	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

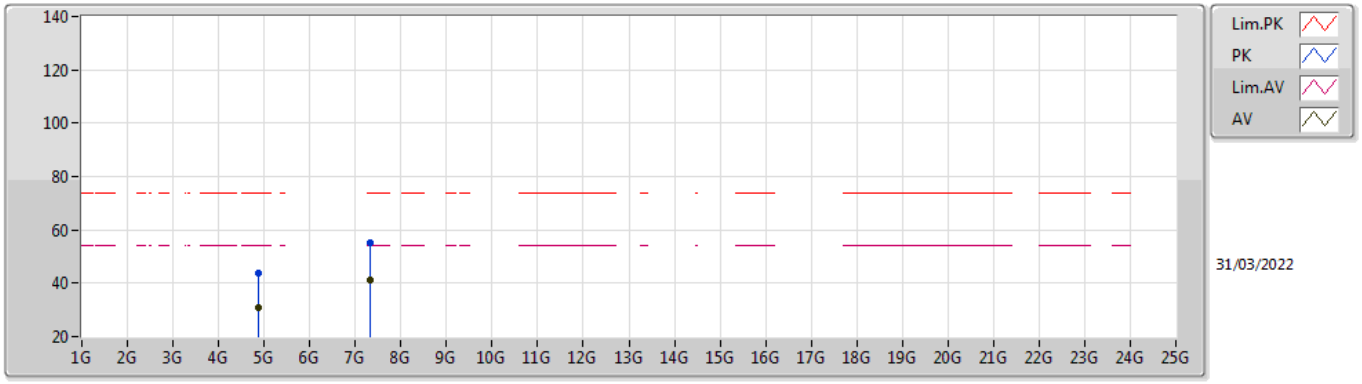


EUT X_1TX
Setting 89
02-B-C-5

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	4.86422G	43.83	74.00	-30.17	38.01	3	Vertical	300	2.67	-	32.93	5.10	32.21
AV	4.87058G	31.00	54.00	-23.00	25.17	3	Vertical	300	2.67	-	32.94	5.10	32.21
PK	7.31238G	50.01	74.00	-23.99	40.25	3	Vertical	91	1.60	-	36.42	6.16	32.82
AV	7.31424G	36.14	54.00	-17.86	26.38	3	Vertical	91	1.60	-	36.43	6.16	32.83

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

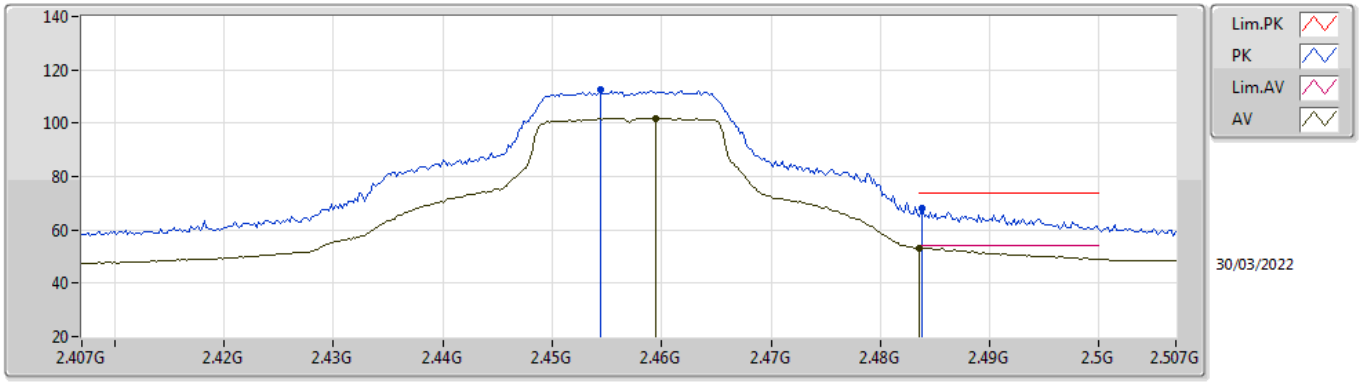


EUT X_1TX
Setting 89
02-B-C-5

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	4.87532G	43.90	74.00	-30.10	38.05	3	Horizontal	176	1.75	-	32.95	5.10	32.20
AV	4.8732G	30.83	54.00	-23.17	24.99	3	Horizontal	176	1.75	-	32.95	5.10	32.21
PK	7.31256G	55.15	74.00	-18.85	45.38	3	Horizontal	306	2.58	-	36.43	6.16	32.82
AV	7.3113G	41.23	54.00	-12.77	31.47	3	Horizontal	306	2.58	-	36.42	6.16	32.82

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

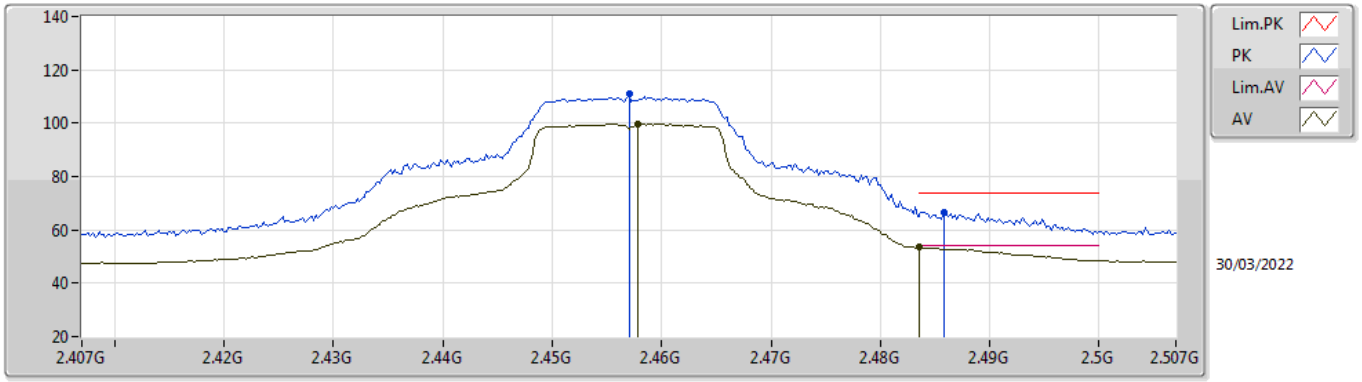


EUT X_1TX
Setting 83
02-B-R-5

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	2.4544G	112.45	Inf	-Inf	81.18	3	Vertical	-0	2.51	-	28.42	2.85	-
AV	2.4594G	101.89	Inf	-Inf	70.59	3	Vertical	-0	2.51	-	28.44	2.86	-
PK	2.4838G	67.85	74.00	-6.15	36.43	3	Vertical	-0	2.51	-	28.54	2.88	-
AV	2.4835G	53.31	54.00	-0.69	21.90	3	Vertical	-0	2.51	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

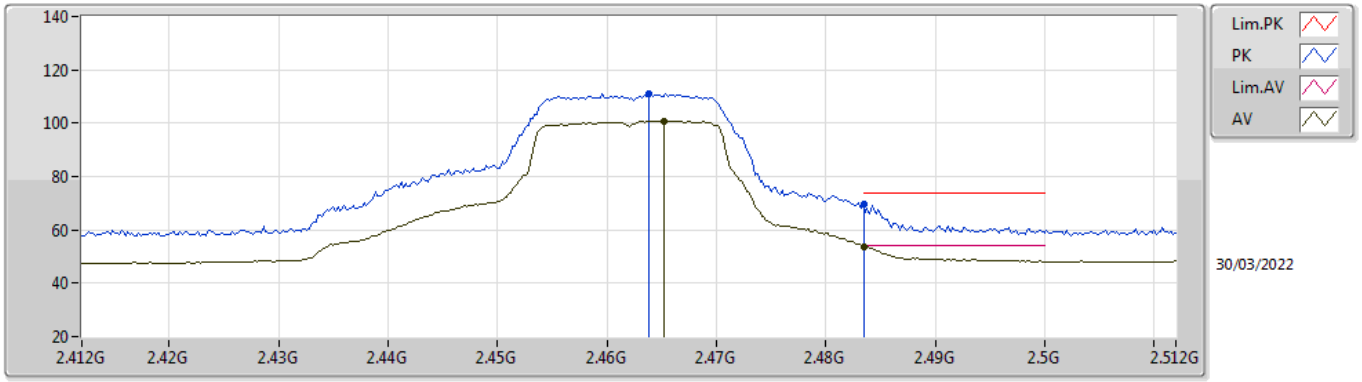


EUT X_1TX
Setting 83
02-B-R-5

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	2.457G	110.90	Inf	-Inf	79.61	3	Horizontal	56	2.52	-	28.43	2.86	-
AV	2.4578G	99.65	Inf	-Inf	68.36	3	Horizontal	56	2.52	-	28.43	2.86	-
PK	2.4858G	66.45	74.00	-7.55	35.02	3	Horizontal	56	2.52	-	28.54	2.89	-
AV	2.4836G	53.43	54.00	-0.57	22.02	3	Horizontal	56	2.52	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

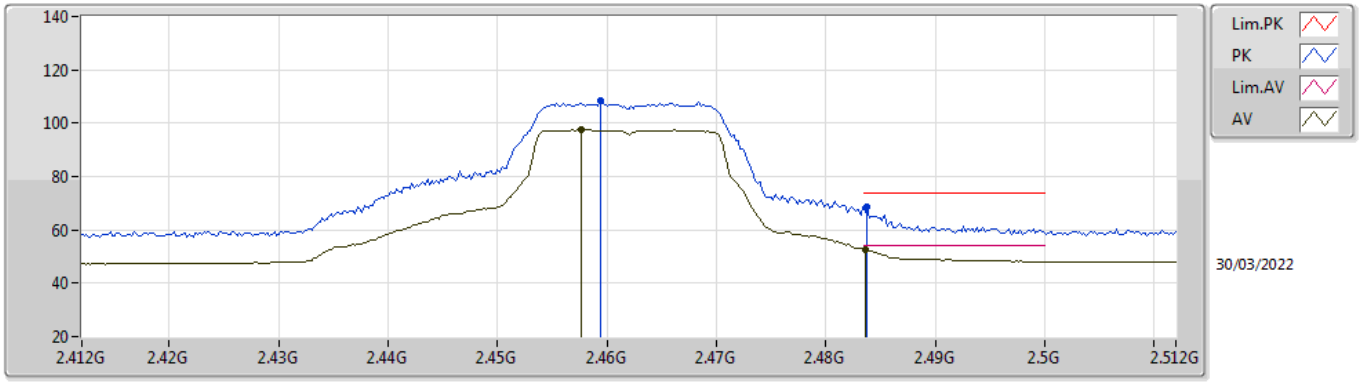


EUT X_1TX
Setting 76
02-B-R-5

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	2.4638G	111.14	Inf	-Inf	79.82	3	Vertical	1	2.52	-	28.46	2.86	-
AV	2.4652G	100.89	Inf	-Inf	69.56	3	Vertical	1	2.52	-	28.46	2.87	-
PK	2.4835G	69.52	74.00	-4.48	38.11	3	Vertical	1	2.52	-	28.53	2.88	-
AV	2.4835G	53.83	54.00	-0.17	22.42	3	Vertical	1	2.52	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

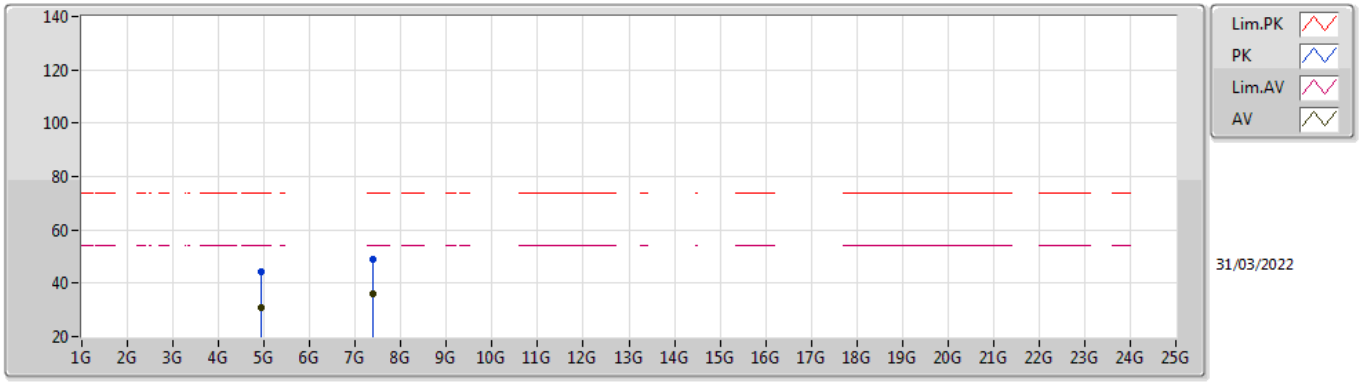


EUT X_1TX
Setting 76
02-B-R-5

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	2.4594G	108.30	Inf	-Inf	77.00	3	Horizontal	47	2.51	-	28.44	2.86	-
AV	2.4576G	97.61	Inf	-Inf	66.32	3	Horizontal	47	2.51	-	28.43	2.86	-
PK	2.4838G	68.49	74.00	-5.51	37.07	3	Horizontal	47	2.51	-	28.54	2.88	-
AV	2.4836G	52.73	54.00	-1.27	21.32	3	Horizontal	47	2.51	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

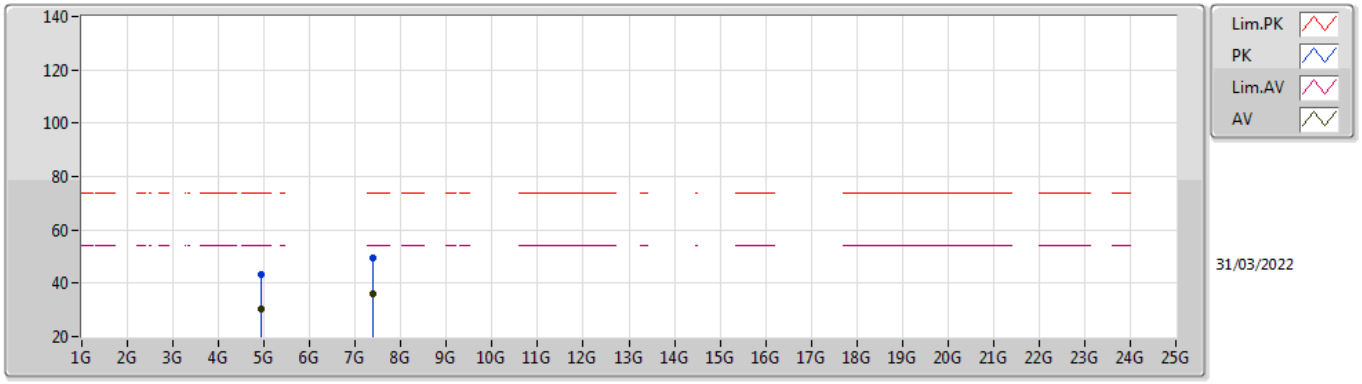


EUT X_1TX
Setting 76
02-B-C-5

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	4.9268G	44.11	74.00	-29.89	38.04	3	Vertical	196	2.67	-	33.16	5.10	32.19
AV	4.92544G	30.91	54.00	-23.09	24.85	3	Vertical	196	2.67	-	33.15	5.10	32.19
PK	7.38996G	49.09	74.00	-24.91	39.28	3	Vertical	321	2.80	-	36.58	6.19	32.96
AV	7.37712G	36.12	54.00	-17.88	26.32	3	Vertical	321	2.80	-	36.55	6.19	32.94

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

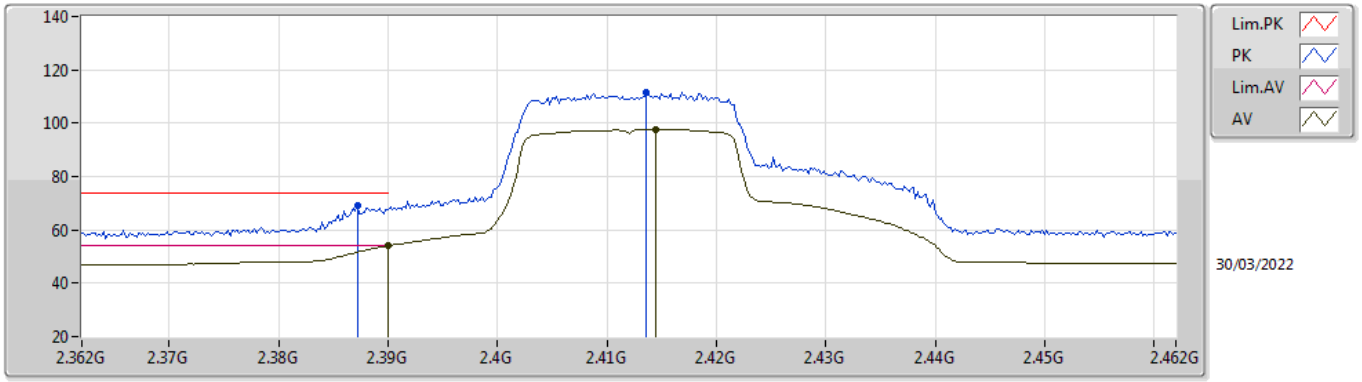


EUT X_1TX
Setting 76
02-B-C-5

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	4.93236G	43.35	74.00	-30.65	37.24	3	Horizontal	95	1.08	-	33.19	5.10	32.18
AV	4.92808G	30.11	54.00	-23.89	24.03	3	Horizontal	95	1.08	-	33.17	5.10	32.19
PK	7.38044G	49.61	74.00	-24.39	39.80	3	Horizontal	207	2.67	-	36.56	6.19	32.94
AV	7.37728G	36.18	54.00	-17.82	26.38	3	Horizontal	207	2.67	-	36.55	6.19	32.94

802.11ax HEW20_Nss1,(MCS0)_1TX

2412MHz_TX

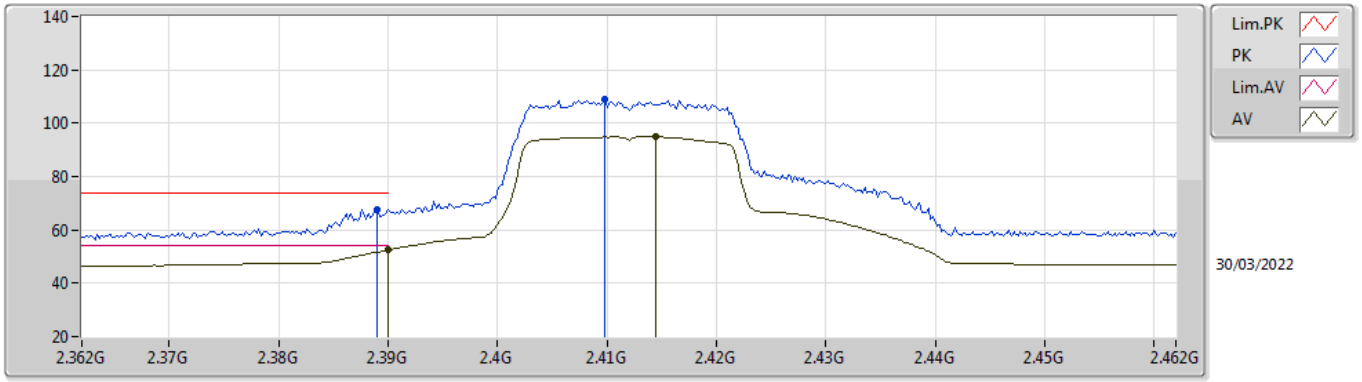


EUT X_1TX
Setting 76
02-B-R-5

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	2.3872G	69.35	74.00	-4.65	38.19	3	Vertical	354	2.37	-	28.37	2.79	-
AV	2.39G	53.94	54.00	-0.06	22.77	3	Vertical	354	2.37	-	28.38	2.79	-
PK	2.4136G	111.63	Inf	-Inf	80.42	3	Vertical	354	2.37	-	28.40	2.81	-
AV	2.4144G	97.81	Inf	-Inf	66.60	3	Vertical	354	2.37	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2412MHz_TX

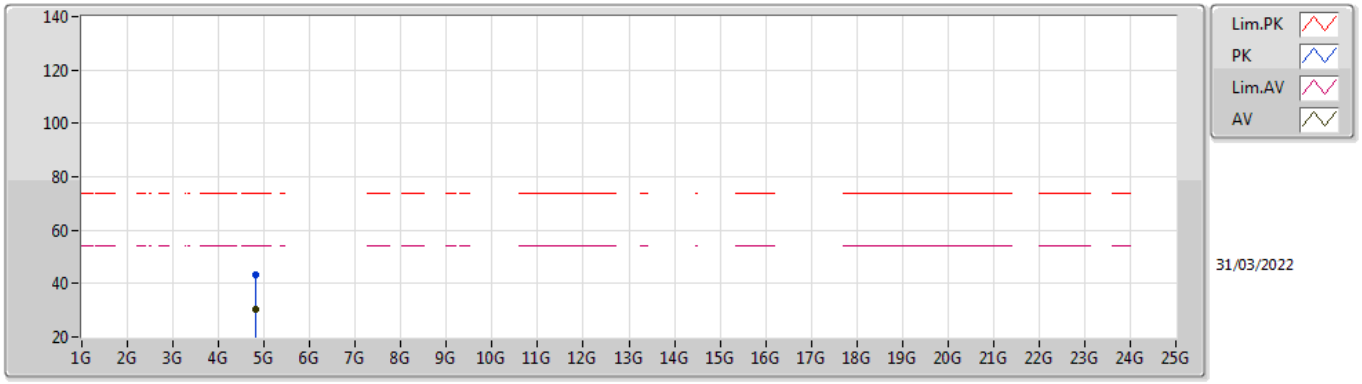


EUT X_1TX
Setting 76
02-B-R-5

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	2.389G	67.70	74.00	-6.30	36.53	3	Horizontal	39	1.76	-	28.38	2.79	-
AV	2.39G	52.43	54.00	-1.57	21.26	3	Horizontal	39	1.76	-	28.38	2.79	-
PK	2.4098G	108.78	Inf	-Inf	77.57	3	Horizontal	39	1.76	-	28.40	2.81	-
AV	2.4144G	94.90	Inf	-Inf	63.69	3	Horizontal	39	1.76	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2412MHz_TX

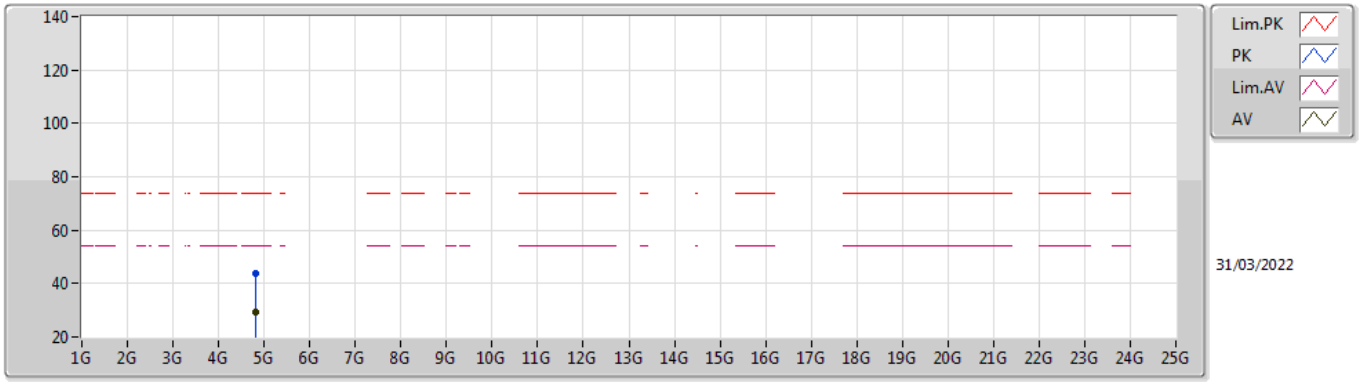


EUT X_1TX
Setting 76
02-B-C-5

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	4.8248G	43.38	74.00	-30.62	37.70	3	Vertical	224	2.14	-	32.80	5.10	32.22
AV	4.82416G	30.20	54.00	-23.80	24.52	3	Vertical	224	2.14	-	32.80	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_1TX

2412MHz_TX

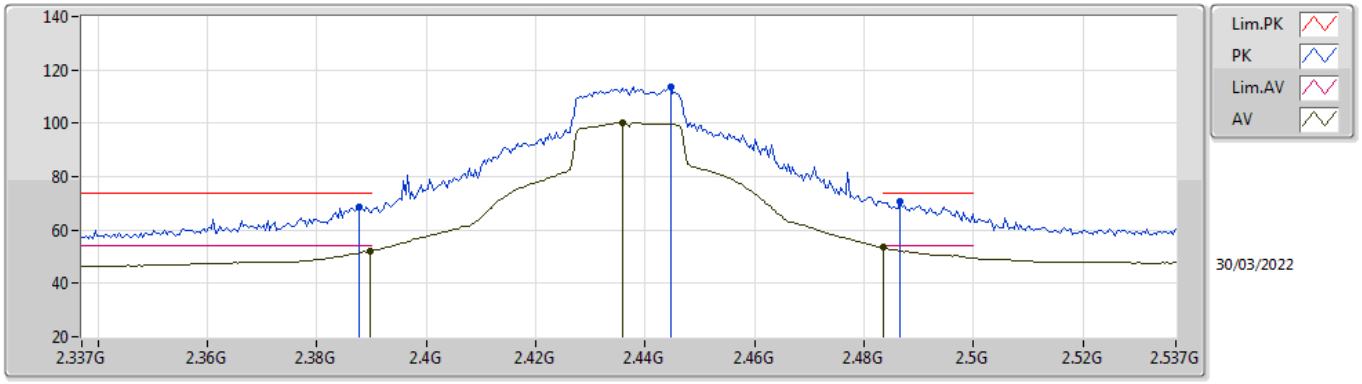


EUT X_1TX
Setting 76
02-B-C-5

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	4.81744G	43.61	74.00	-30.39	37.97	3	Horizontal	353	1.94	-	32.77	5.10	32.23
AV	4.824G	29.36	54.00	-24.64	23.68	3	Horizontal	353	1.94	-	32.80	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_1TX

2437MHz_TX

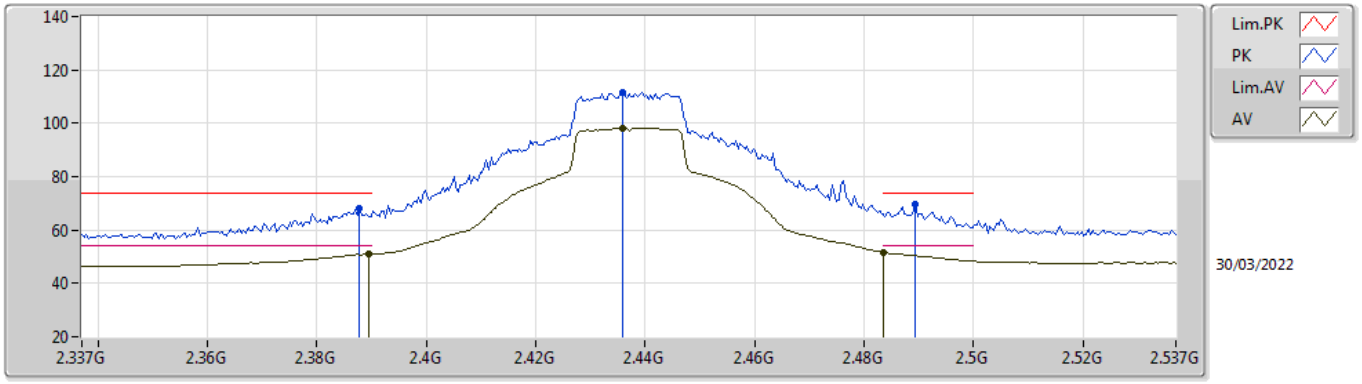


EUT X_1TX
Setting 87
02-B-R-5

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	2.3878G	68.77	74.00	-5.23	37.60	3	Vertical	2	2.57	-	28.38	2.79	-
AV	2.3898G	52.15	54.00	-1.85	20.98	3	Vertical	2	2.57	-	28.38	2.79	-
PK	2.4446G	113.59	Inf	-Inf	82.35	3	Vertical	2	2.57	-	28.40	2.84	-
AV	2.4358G	100.20	Inf	-Inf	68.96	3	Vertical	2	2.57	-	28.40	2.84	-
PK	2.4866G	70.67	74.00	-3.33	39.23	3	Vertical	2	2.57	-	28.55	2.89	-
AV	2.4835G	53.42	54.00	-0.58	22.01	3	Vertical	2	2.57	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2437MHz_TX

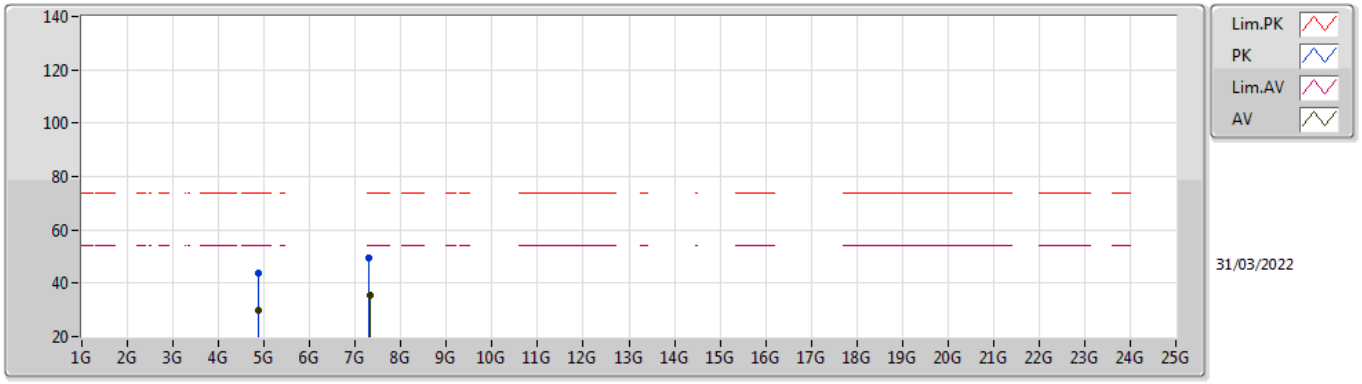


EUT X_1TX
Setting 87
02-B-R-5

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	2.3878G	68.26	74.00	-5.74	37.09	3	Horizontal	64	2.58	-	28.38	2.79	-
AV	2.3894G	50.93	54.00	-3.07	19.76	3	Horizontal	64	2.58	-	28.38	2.79	-
PK	2.4358G	111.64	Inf	-Inf	80.40	3	Horizontal	64	2.58	-	28.40	2.84	-
AV	2.4358G	98.28	Inf	-Inf	67.04	3	Horizontal	64	2.58	-	28.40	2.84	-
PK	2.4894G	69.40	74.00	-4.60	37.95	3	Horizontal	64	2.58	-	28.56	2.89	-
AV	2.4835G	51.53	54.00	-2.47	20.12	3	Horizontal	64	2.58	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2437MHz_TX

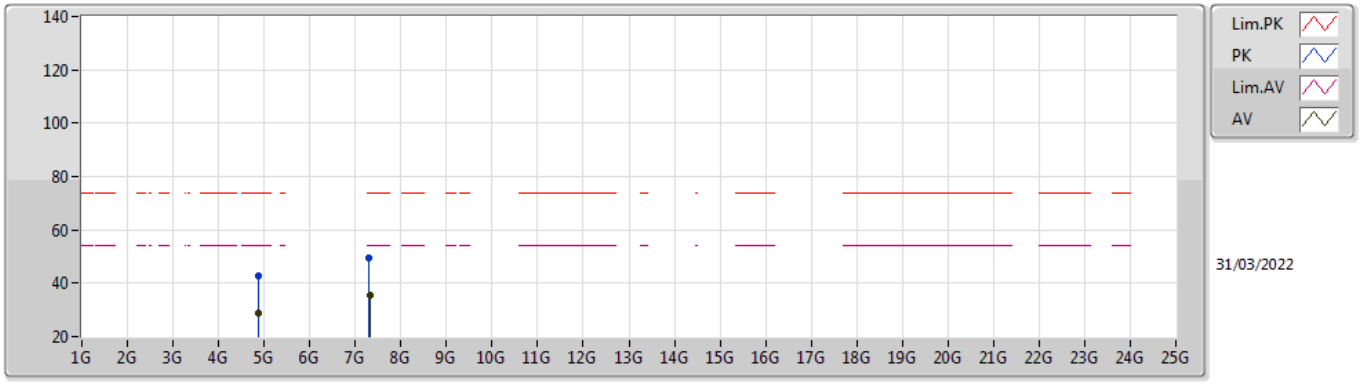


EUT X_1TX
Setting 87
02-B-C-5

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	4.87252G	43.71	74.00	-30.29	37.87	3	Vertical	35	2.40	-	32.95	5.10	32.21
AV	4.87532G	29.65	54.00	-24.35	23.80	3	Vertical	35	2.40	-	32.95	5.10	32.20
PK	7.30284G	49.54	74.00	-24.46	39.79	3	Vertical	167	1.76	-	36.41	6.15	32.81
AV	7.31604G	35.47	54.00	-18.53	25.71	3	Vertical	167	1.76	-	36.43	6.16	32.83

802.11ax HEW20_Nss1,(MCS0)_1TX

2437MHz_TX

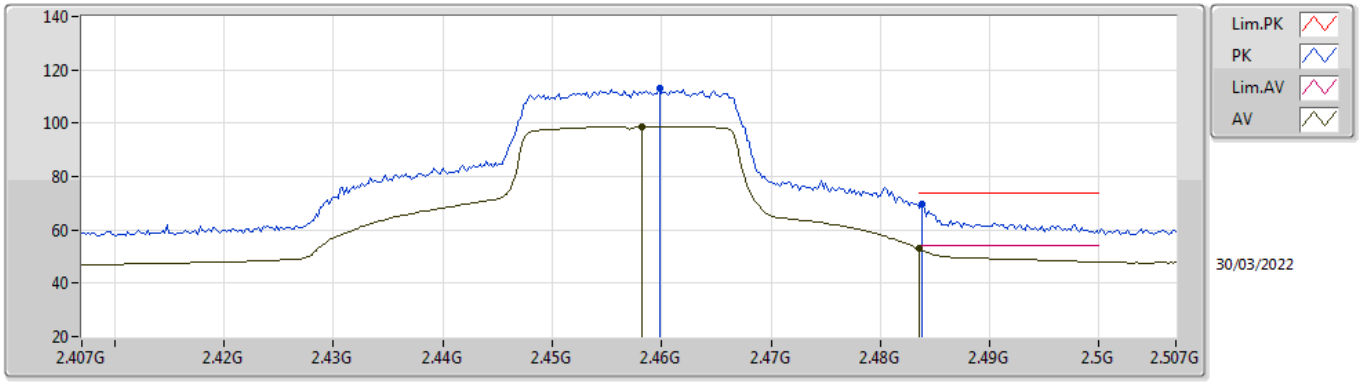


EUT X_1TX
Setting 87
02-B-C-5

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	4.87664G	42.87	74.00	-31.13	37.02	3	Horizontal	300	2.97	-	32.95	5.10	32.20
AV	4.866G	29.05	54.00	-24.95	23.23	3	Horizontal	300	2.97	-	32.93	5.10	32.21
PK	7.3042G	49.33	74.00	-24.67	39.58	3	Horizontal	3	1.74	-	36.41	6.15	32.81
AV	7.31952G	35.64	54.00	-18.36	25.88	3	Horizontal	3	1.74	-	36.44	6.16	32.84

802.11ax HEW20_Nss1,(MCS0)_1TX

2457MHz_TX

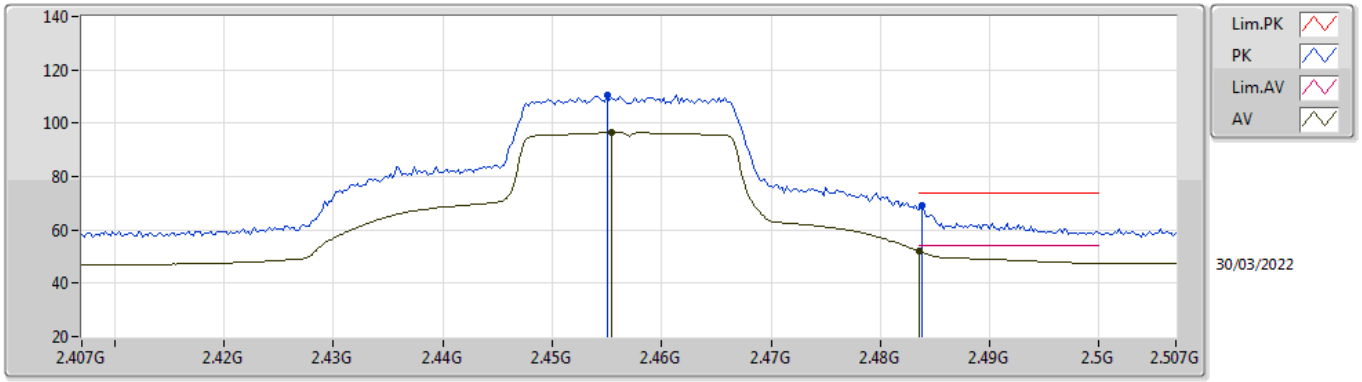


EUT X_1TX
Setting 79
02-B-R-5

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	2.4598G	113.08	Inf	-Inf	81.78	3	Vertical	-0	2.51	-	28.44	2.86	-
AV	2.4582G	98.83	Inf	-Inf	67.54	3	Vertical	-0	2.51	-	28.43	2.86	-
PK	2.4838G	69.50	74.00	-4.50	38.08	3	Vertical	-0	2.51	-	28.54	2.88	-
AV	2.4835G	52.96	54.00	-1.04	21.55	3	Vertical	-0	2.51	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2457MHz_TX

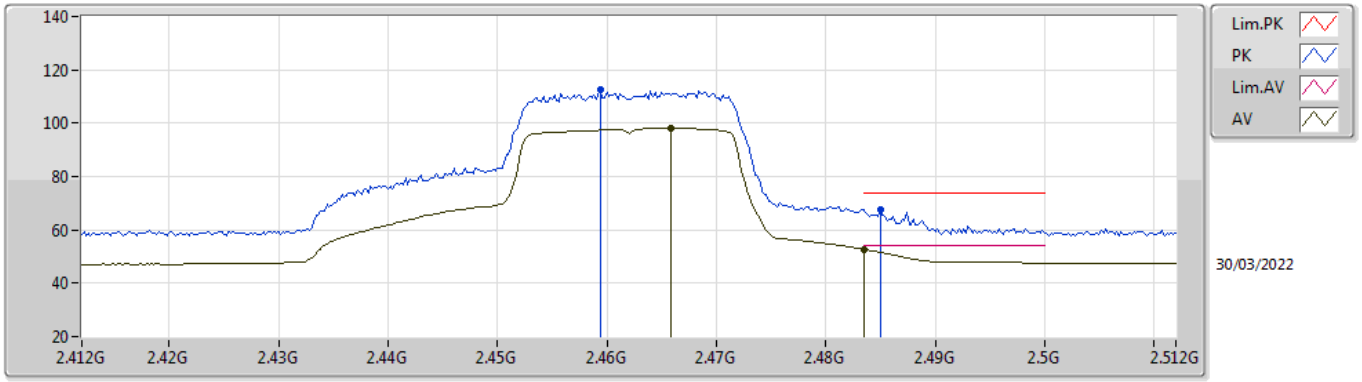


EUT X_1TX
Setting 79
02-B-R-5

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	2.455G	110.77	Inf	-Inf	79.50	3	Horizontal	56	2.53	-	28.42	2.85	-
AV	2.4554G	96.48	Inf	-Inf	65.20	3	Horizontal	56	2.53	-	28.42	2.86	-
PK	2.4838G	69.33	74.00	-4.67	37.91	3	Horizontal	56	2.53	-	28.54	2.88	-
AV	2.4835G	52.14	54.00	-1.86	20.73	3	Horizontal	56	2.53	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2462MHz_TX

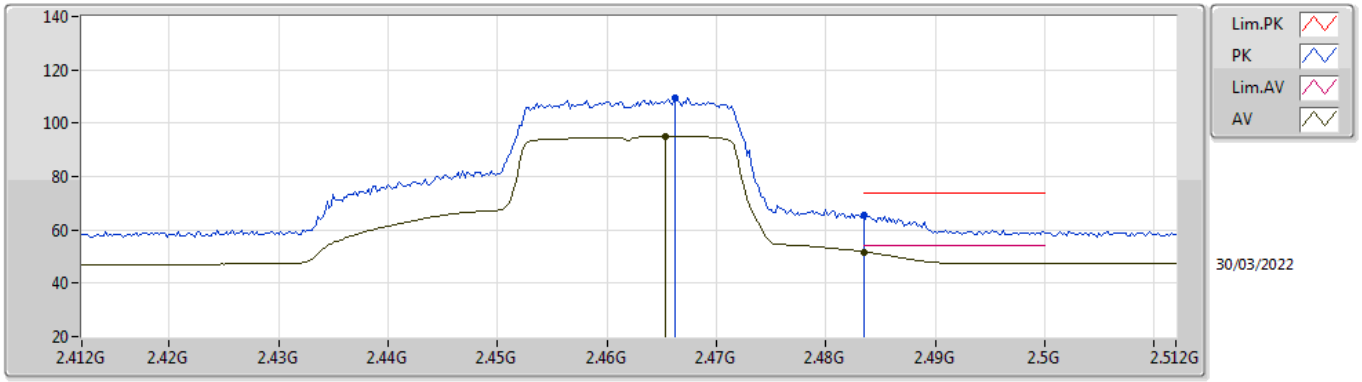


EUT X_1TX
Setting 74
02-B-R-5

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	2.4594G	112.46	Inf	-Inf	81.16	3	Vertical	2	2.53	-	28.44	2.86	-
AV	2.4658G	98.11	Inf	-Inf	66.78	3	Vertical	2	2.53	-	28.46	2.87	-
PK	2.485G	67.54	74.00	-6.46	36.11	3	Vertical	2	2.53	-	28.54	2.89	-
AV	2.4835G	52.73	54.00	-1.27	21.32	3	Vertical	2	2.53	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2462MHz_TX

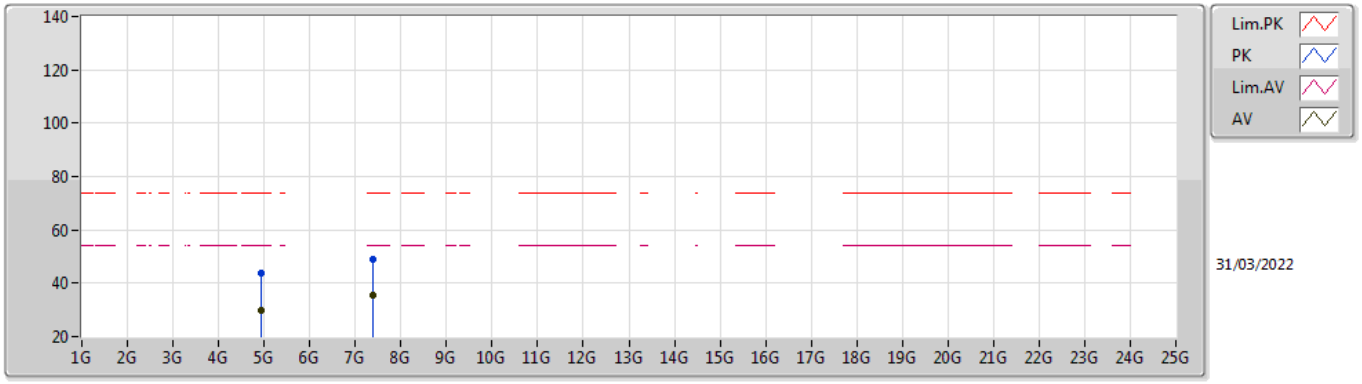


EUT X_1TX
Setting 74
02-B-R-5

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	2.4662G	109.43	Inf	-Inf	78.10	3	Horizontal	45	2.29	-	28.46	2.87	-
AV	2.4654G	95.20	Inf	-Inf	63.87	3	Horizontal	45	2.29	-	28.46	2.87	-
PK	2.4835G	65.55	74.00	-8.45	34.14	3	Horizontal	45	2.29	-	28.53	2.88	-
AV	2.4835G	51.77	54.00	-2.23	20.36	3	Horizontal	45	2.29	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_1TX

2462MHz_TX

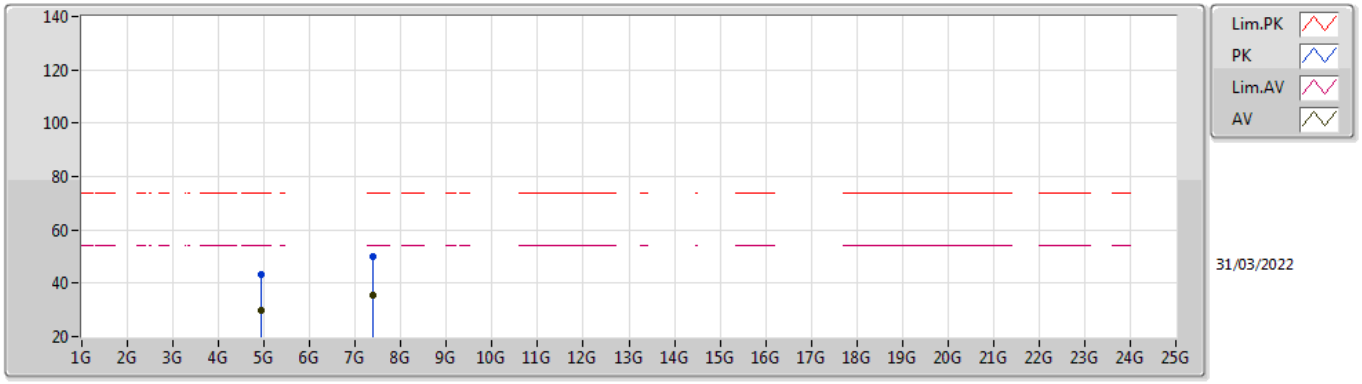


EUT X_1TX
Setting 74
02-B-C-5

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	4.92356G	43.67	74.00	-30.33	37.62	3	Vertical	175	2.41	-	33.14	5.10	32.19
AV	4.9266G	30.06	54.00	-23.94	23.99	3	Vertical	175	2.41	-	33.16	5.10	32.19
PK	7.39156G	49.19	74.00	-24.81	39.37	3	Vertical	101	2.69	-	36.58	6.20	32.96
AV	7.37652G	35.43	54.00	-18.57	25.63	3	Vertical	101	2.69	-	36.55	6.19	32.94

802.11ax HEW20_Nss1,(MCS0)_1TX

2462MHz_TX

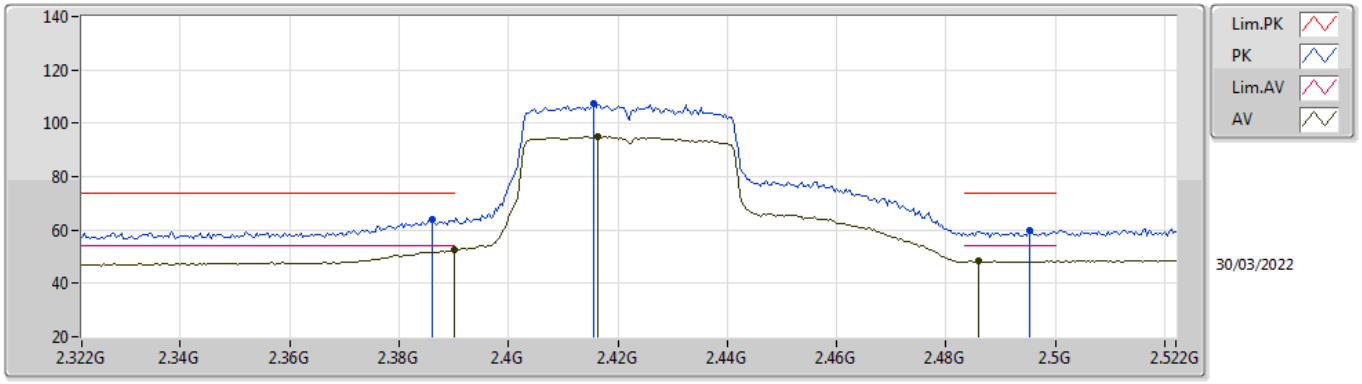


EUT X_1TX
Setting 74
02-B-C-5

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	4.92256G	43.46	74.00	-30.54	37.41	3	Horizontal	200	2.81	-	33.14	5.10	32.19
AV	4.92468G	29.57	54.00	-24.43	23.51	3	Horizontal	200	2.81	-	33.15	5.10	32.19
PK	7.3868G	49.79	74.00	-24.21	39.98	3	Horizontal	321	2.47	-	36.57	6.19	32.95
AV	7.37824G	35.44	54.00	-18.56	25.63	3	Horizontal	321	2.47	-	36.56	6.19	32.94

802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz_TX

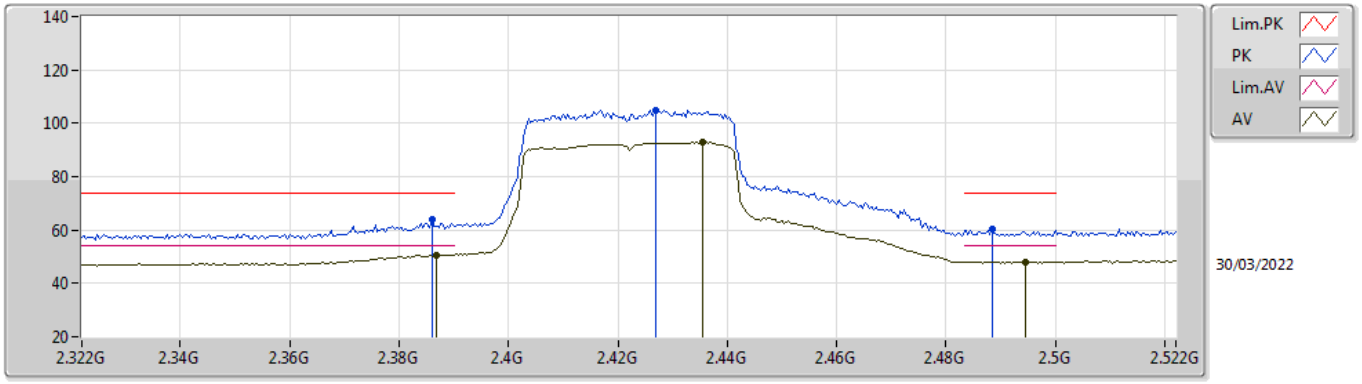


EUT X_1TX
Setting 70
02-B-R-5

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	2.386G	64.05	74.00	-9.95	32.89	3	Vertical	330	2.10	-	28.37	2.79	-
AV	2.39G	52.60	54.00	-1.40	21.43	3	Vertical	330	2.10	-	28.38	2.79	-
PK	2.4156G	107.38	Inf	-Inf	76.16	3	Vertical	330	2.10	-	28.40	2.82	-
AV	2.4164G	94.94	Inf	-Inf	63.72	3	Vertical	330	2.10	-	28.40	2.82	-
PK	2.4952G	60.08	74.00	-13.92	28.60	3	Vertical	330	2.10	-	28.58	2.90	-
AV	2.486G	48.32	54.00	-5.68	16.89	3	Vertical	330	2.10	-	28.54	2.89	-

802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz_TX

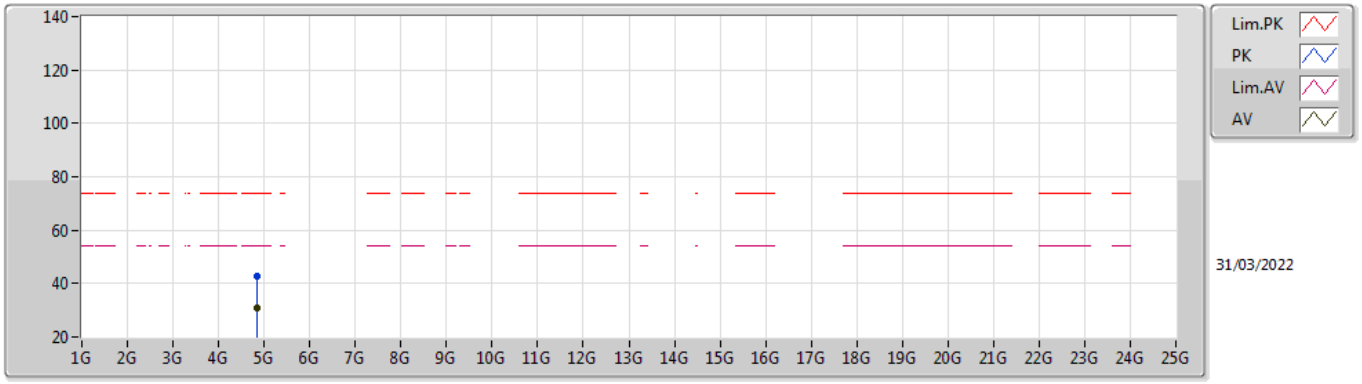


EUT X_1TX
Setting 70
02-B-R-5

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	2.386G	64.05	74.00	-9.95	32.89	3	Horizontal	43	2.35	-	28.37	2.79	-
AV	2.3868G	50.70	54.00	-3.30	19.54	3	Horizontal	43	2.35	-	28.37	2.79	-
PK	2.4268G	104.98	Inf	-Inf	73.75	3	Horizontal	43	2.35	-	28.40	2.83	-
AV	2.4356G	92.75	Inf	-Inf	61.51	3	Horizontal	43	2.35	-	28.40	2.84	-
PK	2.4884G	60.36	74.00	-13.64	28.92	3	Horizontal	43	2.35	-	28.55	2.89	-
AV	2.4944G	48.04	54.00	-5.96	16.57	3	Horizontal	43	2.35	-	28.58	2.89	-

802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz_TX

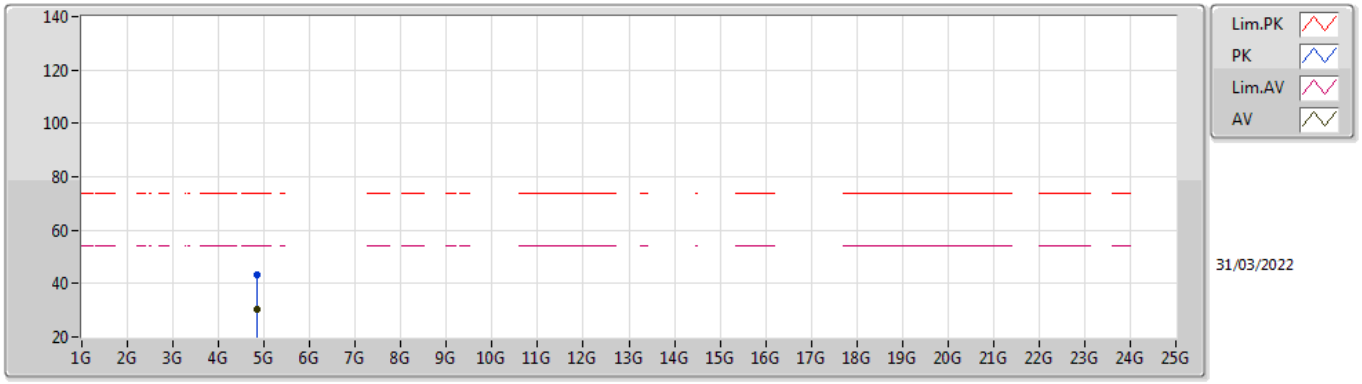


EUT X_1TX
Setting 70
02-B-C-5

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	4.8446G	42.74	74.00	-31.26	36.98	3	Vertical	291	1.17	-	32.88	5.10	32.22
AV	4.83508G	30.84	54.00	-23.16	25.12	3	Vertical	291	1.17	-	32.84	5.10	32.22

802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz_TX

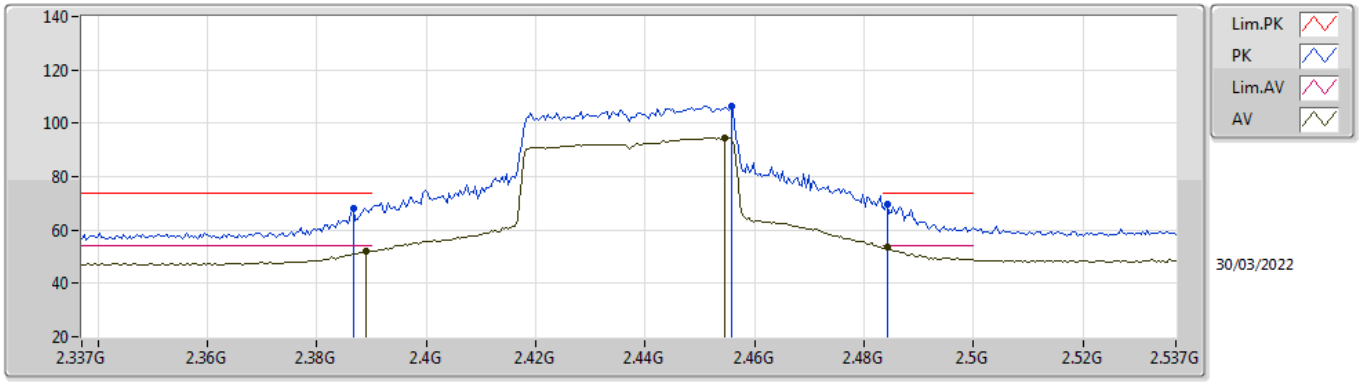


EUT X_1TX
Setting 70
02-B-C-5

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	4.83484G	43.10	74.00	-30.90	37.38	3	Horizontal	122	1.04	-	32.84	5.10	32.22
AV	4.83576G	30.37	54.00	-23.63	24.65	3	Horizontal	122	1.04	-	32.84	5.10	32.22

802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz_TX

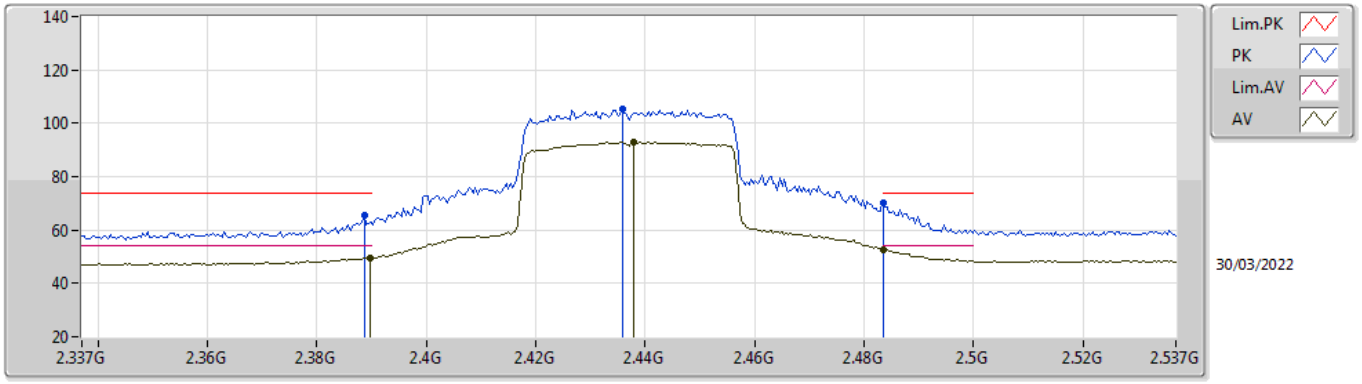


EUT X_1TX
Setting 67
02-B-R-5

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	2.3866G	68.14	74.00	-5.86	36.98	3	Vertical	4	2.52	-	28.37	2.79	-
AV	2.389G	52.12	54.00	-1.88	20.95	3	Vertical	4	2.52	-	28.38	2.79	-
PK	2.4558G	106.33	Inf	-Inf	75.05	3	Vertical	4	2.52	-	28.42	2.86	-
AV	2.4546G	94.66	Inf	-Inf	63.39	3	Vertical	4	2.52	-	28.42	2.85	-
PK	2.4842G	69.52	74.00	-4.48	38.10	3	Vertical	4	2.52	-	28.54	2.88	-
AV	2.4842G	53.57	54.00	-0.43	22.15	3	Vertical	4	2.52	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz_TX

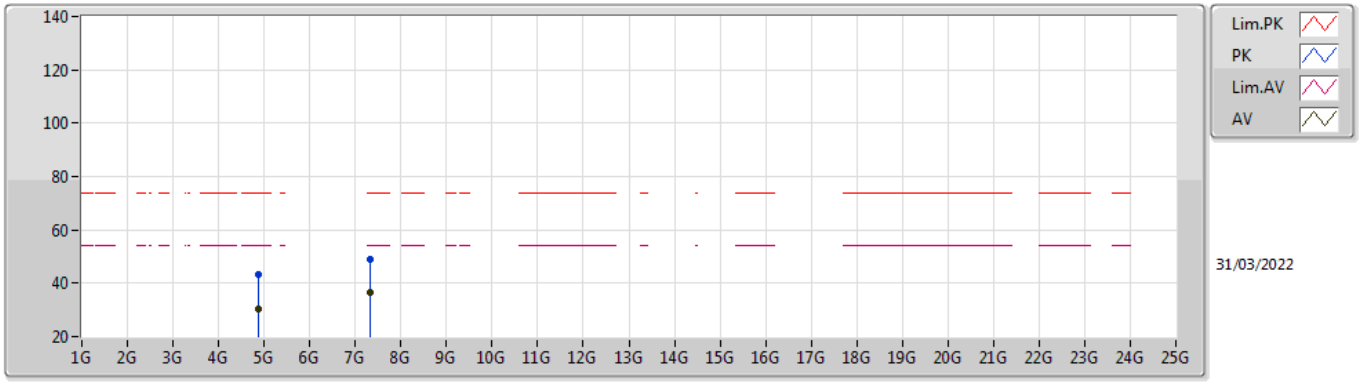


EUT X_1TX
Setting 67
02-B-R-5

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	2.3886G	65.45	74.00	-8.55	34.28	3	Horizontal	56	2.55	-	28.38	2.79	-
AV	2.3898G	49.58	54.00	-4.42	18.41	3	Horizontal	56	2.55	-	28.38	2.79	-
PK	2.4358G	105.39	Inf	-Inf	74.15	3	Horizontal	56	2.55	-	28.40	2.84	-
AV	2.4378G	93.03	Inf	-Inf	61.79	3	Horizontal	56	2.55	-	28.40	2.84	-
PK	2.4835G	70.03	74.00	-3.97	38.62	3	Horizontal	56	2.55	-	28.53	2.88	-
AV	2.4835G	52.57	54.00	-1.43	21.16	3	Horizontal	56	2.55	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz_TX

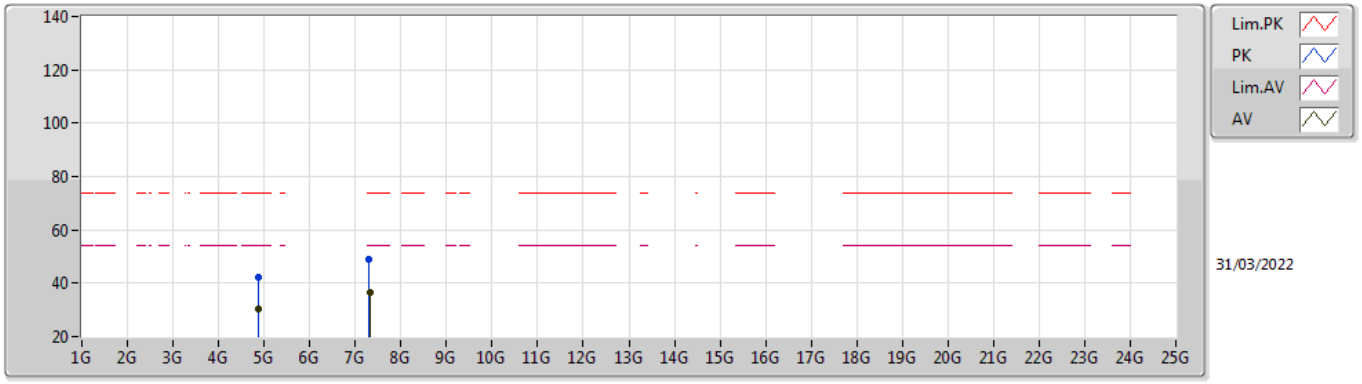


EUT X_1TX
Setting 67
02-B-C-5

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	4.88364G	43.33	74.00	-30.67	37.46	3	Vertical	186	1.68	-	32.97	5.10	32.20
AV	4.866G	30.47	54.00	-23.53	24.65	3	Vertical	186	1.68	-	32.93	5.10	32.21
PK	7.31296G	49.22	74.00	-24.78	39.45	3	Vertical	143	1.47	-	36.43	6.16	32.82
AV	7.3156G	36.74	54.00	-17.26	26.98	3	Vertical	143	1.47	-	36.43	6.16	32.83

802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz_TX

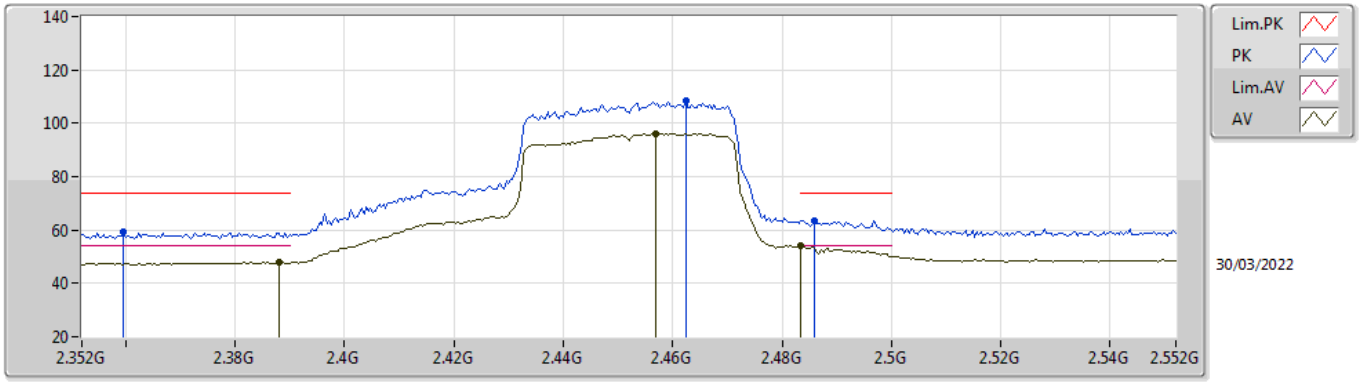


EUT X_1TX
Setting 67
02-B-C-5

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	4.86612G	42.33	74.00	-31.67	36.51	3	Horizontal	195	2.27	-	32.93	5.10	32.21
AV	4.87368G	30.20	54.00	-23.80	24.36	3	Horizontal	195	2.27	-	32.95	5.10	32.21
PK	7.30748G	48.94	74.00	-25.06	39.20	3	Horizontal	41	2.30	-	36.41	6.15	32.82
AV	7.31236G	36.67	54.00	-17.33	26.91	3	Horizontal	41	2.30	-	36.42	6.16	32.82

802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz_TX

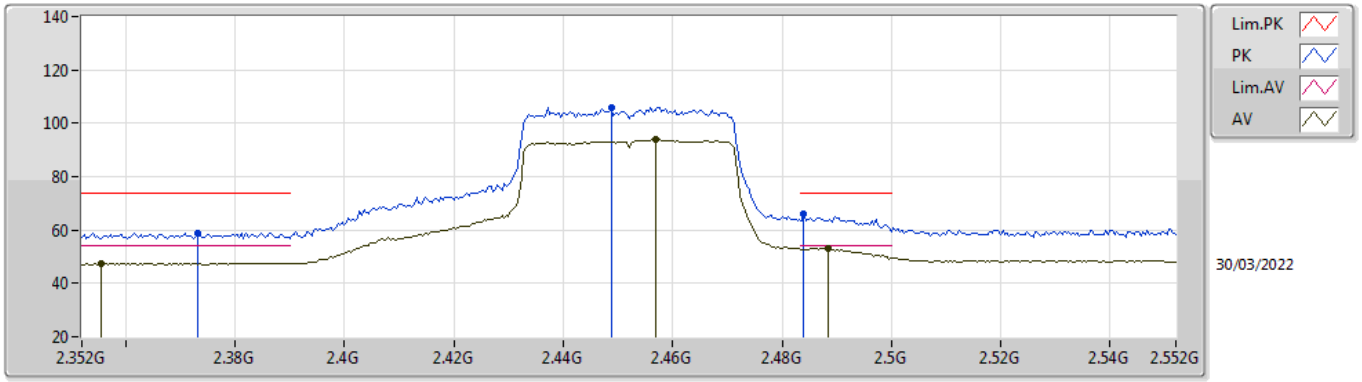


EUT X_1TX
Setting 70
02-B-R-5

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	2.3596G	59.15	74.00	-14.85	28.05	3	Vertical	-0	2.51	-	28.32	2.78	-
AV	2.388G	47.89	54.00	-6.11	16.72	3	Vertical	-0	2.51	-	28.38	2.79	-
PK	2.4624G	108.21	Inf	-Inf	76.90	3	Vertical	-0	2.51	-	28.45	2.86	-
AV	2.4568G	96.22	Inf	-Inf	64.93	3	Vertical	-0	2.51	-	28.43	2.86	-
PK	2.486G	63.56	74.00	-10.44	32.13	3	Vertical	-0	2.51	-	28.54	2.89	-
AV	2.4835G	53.96	54.00	-0.04	22.55	3	Vertical	-0	2.51	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz_TX

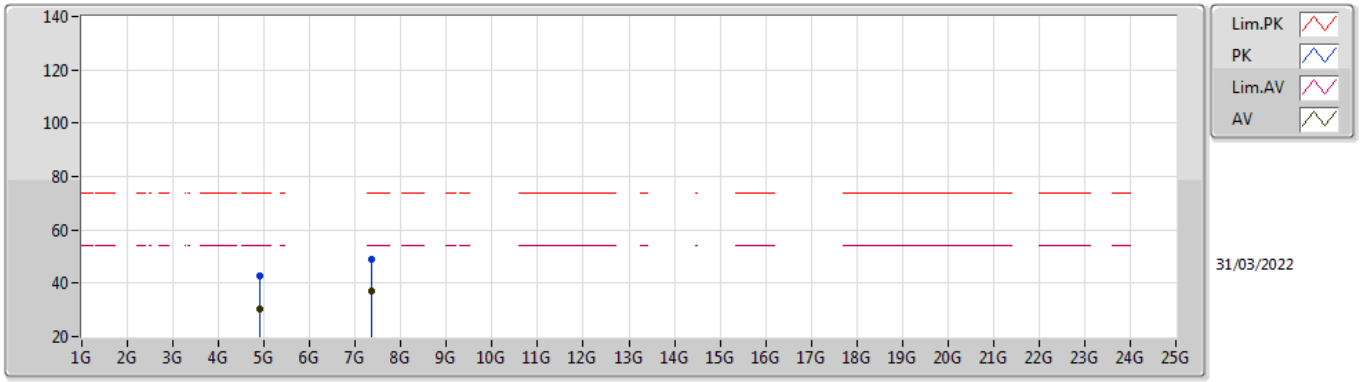


EUT X_1TX
Setting 70
02-B-R-5

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	2.3732G	58.99	74.00	-15.01	27.85	3	Horizontal	55	2.52	-	28.35	2.79	-
AV	2.3556G	47.59	54.00	-6.41	16.50	3	Horizontal	55	2.52	-	28.31	2.78	-
PK	2.4488G	105.85	Inf	-Inf	74.60	3	Horizontal	55	2.52	-	28.40	2.85	-
AV	2.4568G	93.87	Inf	-Inf	62.58	3	Horizontal	55	2.52	-	28.43	2.86	-
PK	2.484G	65.94	74.00	-8.06	34.52	3	Horizontal	55	2.52	-	28.54	2.88	-
AV	2.4884G	53.04	54.00	-0.96	21.60	3	Horizontal	55	2.52	-	28.55	2.89	-

802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz_TX

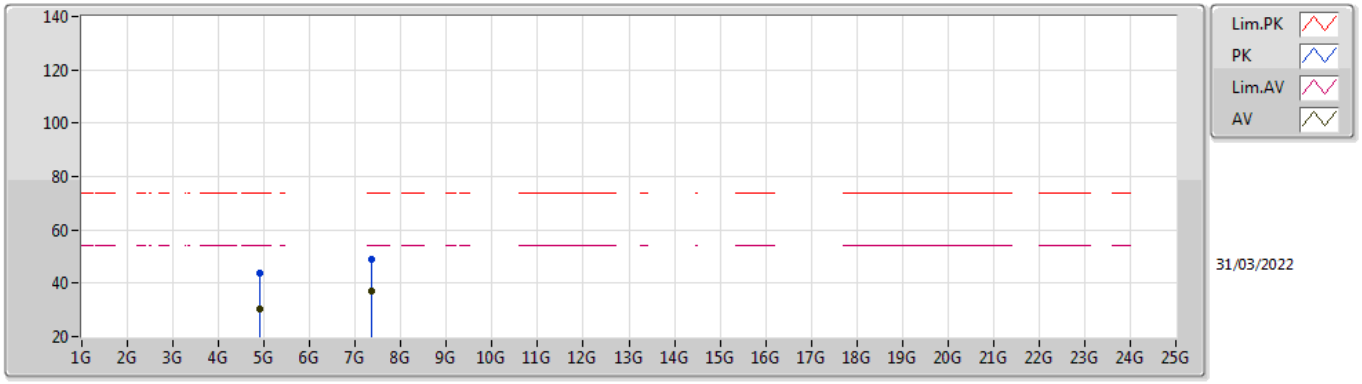


EUT X_1TX
Setting 70
02-B-C-5

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	4.90544G	42.79	74.00	-31.21	36.85	3	Vertical	249	2.24	-	33.03	5.10	32.19
AV	4.9068G	30.40	54.00	-23.60	24.45	3	Vertical	249	2.24	-	33.04	5.10	32.19
PK	7.3478G	48.91	74.00	-25.09	39.13	3	Vertical	158	2.22	-	36.50	6.17	32.89
AV	7.35784G	37.04	54.00	-16.96	27.24	3	Vertical	158	2.22	-	36.52	6.18	32.90

802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz_TX



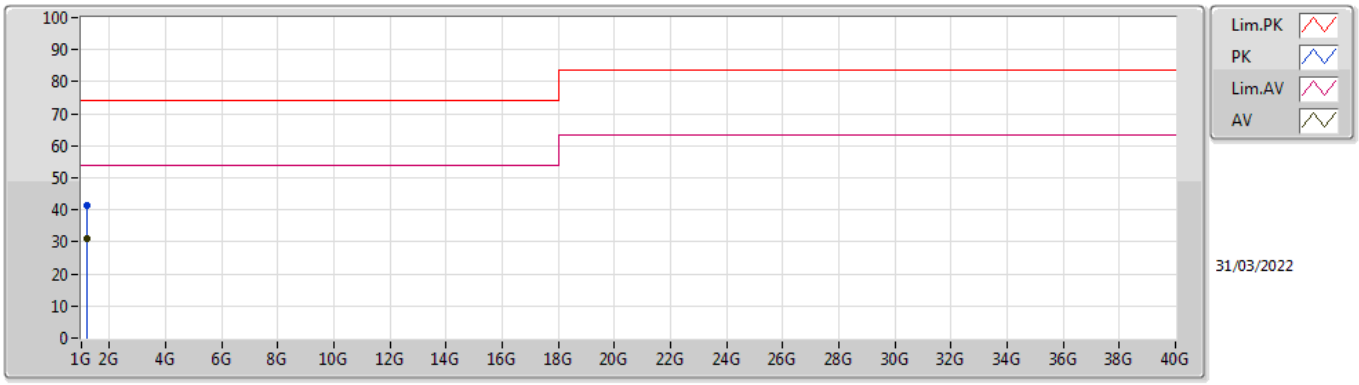
EUT X_1TX
Setting 70
02-B-C-5

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	4.90604G	43.54	74.00	-30.46	37.59	3	Horizontal	339	1.21	-	33.04	5.10	32.19
AV	4.91236G	30.45	54.00	-23.55	24.47	3	Horizontal	339	1.21	-	33.07	5.10	32.19
PK	7.34736G	49.16	74.00	-24.84	39.38	3	Horizontal	186	2.70	-	36.49	6.17	32.88
AV	7.36012G	37.14	54.00	-16.86	27.35	3	Horizontal	186	2.70	-	36.52	6.18	32.91

Summary

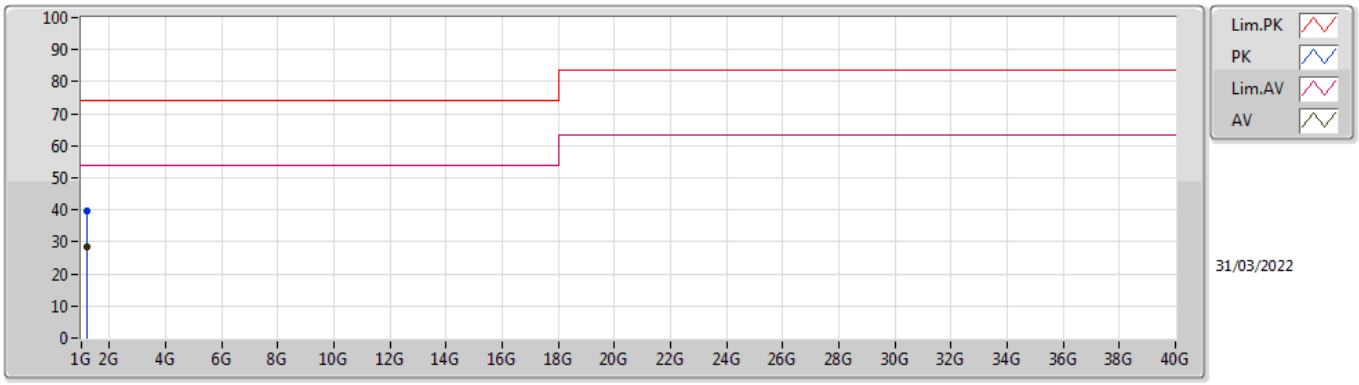
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.17866G	31.19	54.00	-22.81	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.17908G	41.58	74.00	-32.42	-8.74	3	Vertical	360	2.18	-	50.32	25.40	3.17	37.31
AV	1.17866G	31.19	54.00	-22.81	-8.74	3	Vertical	360	2.18	"Worst"	39.93	25.40	3.17	37.31

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.1769G	39.58	74.00	-34.42	-8.74	3	Horizontal	360	1.06	-	48.32	25.40	3.17	37.31
AV	1.17848G	28.53	54.00	-25.47	-8.74	3	Horizontal	360	1.06	"Worst"	37.27	25.40	3.17	37.31