



RADIO TEST REPORT

FCC ID : 2ADZRBGW321
Equipment : BGW320-505
Brand Name : NOKIA
Model Name : BGW320-505
Applicant : Nokia Shanghai Bell Co. Ltd.
No. 388, Ningqiao Rd. Pilot Free Trade Zone
Shanghai , China 201206
Manufacturer : Nokia Shanghai Bell Co. Ltd.
No. 388, Ningqiao Rd. Pilot Free Trade Zone
Shanghai , China 201206
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 27, 2022, and testing was started from Jun. 28, 2022 and completed on Jul. 19, 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

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	9
1.3 Testing Location Information	9
1.4 Measurement Uncertainty	10
2 Test Configuration of EUT	11
2.1 Test Channel Mode	11
2.2 The Worst Case Measurement Configuration	13
2.3 EUT Operation during Test	14
2.4 Accessories	15
2.5 Support Equipment.....	15
2.6 Test Setup Diagram	16
3 Transmitter Test Result	20
3.1 AC Power-line Conducted Emissions	20
3.2 DTS Bandwidth.....	22
3.3 Maximum Conducted Output Power	23
3.4 Power Spectral Density	26
3.5 Emissions in Non-restricted Frequency Bands	28
3.6 Emissions in Restricted Frequency Bands.....	29
4 Test Equipment and Calibration Data	33
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of DTS Bandwidth	
Appendix C. Test Results of Maximum Conducted Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Emissions in Non-restricted Frequency Bands	
Appendix F. Test Results of Emissions in Restricted Frequency Bands	
Appendix G. Test Results of Radiated Emission Co-location	
Appendix H. Test Photos	
Photographs of EUT v01	



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3



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: Vicky Huang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11n HT20-BF	20	4TX
2.4-2.4835GHz	VHT20	20	4TX
2.4-2.4835GHz	VHT20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	802.11n HT40-BF	40	4TX
2.4-2.4835GHz	VHT40	40	4TX
2.4-2.4835GHz	VHT40-BF	40	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	4TX

Note:

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

**1.1.2 Antenna Information**

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz					
1	4	1	Airgain	N2430ARJYW Rev A-PK1-L-G1X165BUR2	PCB	I-PEX	Note 1
2	3	2	Airgain	N2430ARHYN Rev A-PK1-L-Y1X140BUR2	PCB	I-PEX	
3	2	3	Airgain	N2435ARHYN Rev A-PK1-L-B1X155BU	PCB	I-PEX	
4	1	4	Airgain	N2420ARHYW Rev A-PK1-L-A1X195BU	PCB	I-PEX	
5	-	1	Airgain	N5X20QSYN Rev A-PK1-L-B50UR2	PCB	I-PEX	
6	-	2	Airgain	N5X20QSYE Rev A-PK1-L-A55UR2	PCB	I-PEX	
7	-	3	Airgain	N5X20QSYN Rev A-PK1-L-Y1X190BU	PCB	I-PEX	
8	-	4	Airgain	N5X20QSYE Rev A-PK1-L-G1X160BU	PCB	I-PEX	
9	-	-	Airgain	N5X20HGHC Rev A-PK1-L-R1X1058U	PCB	I-PEX	

Note1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
1	2.7	2.45	2.78	-	-
2	4.27	3.45	2.83	-	-
3	3.57	2.34	2.4	-	-
4	2.86	2.92	3.38	-	-
5	-	-	-	2.16	2.63
6	-	-	-	2.5	3.69
7	-	-	-	3.24	2.05
8	-	-	-	2.18	2.44
9	-	3.9	3.4	4.6	4.2



Ant.	Directional Gain (dBi)														
	WLAN 2.4GHz			WLAN 5GHz											
	2.45GHz			5.2GHz			5.3GHz			5.6GHz			5.785GHz		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
1	5.01	4.27	4.27	4.16	3.45	3.45	3.61	3.38	3.38	-	-	-	-	-	-
2															
3															
4															
5	-	-	-	-	-	-	-	-	-	4.32	3.24	3.24	4.21	3.69	3.69
6															
7															
8															

Note 2: The above information(excepting antenna 1~8 gain) was declared by manufacturer.

Note 3: The antenna 9 which has the receiving function only is used for zero wait.

Note 4: The EUT has nine antennas.

Note 5: The antenna 1~8 gain and directional gain are measured which follow the procedure of KDB 662911 D03

For 2.4GHz function:

For IEEE 802.11b/g/n/VHT/ax (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For 1RX:

Ant. 9 can be use as receiving antenna only.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.936	0.29	12.42m	100
802.11g	0.954	0.2	2.068m	1k
802.11ax HEW20	0.982	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20-BF	0.941	0.26	4.394m	300
802.11ax HEW40	0.967	0.15	782.5u	3k
802.11ax HEW40-BF	0.971	0.13	1.513m	1k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	For non-beamforming mode: accessMTool(version 3.2.1.4) For beamforming mode: DOS [ver 6.1.7601]			

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 ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)				
(TAF: 3787) 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	Jay Lo	23.5-23.9 / 58-69	Jul. 01, 2022~ Jul. 12, 2022
Radiated (below 1GHz)	03CH05-CB	Chris Li	25.8~27.3 / 67~68	Jun. 28, 2022~ Jul. 18, 2022
Radiated (above 1GHz)	03CH02-CB	Chris Li	24.4-25.5 / 55-58	Jun. 28, 2022~ Jul. 18, 2022
Radiated (Co-location)	03CH02-CB	Chris Li	25.4~27.8 / 66~69	Jun. 28, 2022~ Jul. 18, 2022
AC Conduction	CO01-CB	Dean Chang	22~23 / 52~53	Jul. 19, 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))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
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 non-beamforming mode:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	92
2437MHz	92
2462MHz	92
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	76
2417MHz	89
2437MHz	93
2457MHz	83
2462MHz	77
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	70
2417MHz	79
2437MHz	92
2457MHz	82
2462MHz	74
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	56
2437MHz	68
2452MHz	65



For beamforming mode:

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	73
2417MHz	76
2437MHz	92
2457MHz	82
2462MHz	73
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	58
2437MHz	70
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.

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	CTX
1	EUT - 2.4GHz
2	EUT - 5GHz
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
For 2.4GHz: The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis from Emissions in Restricted Frequency Bands above 1GHz. So the measurement will follow this same test configuration. For 5GHz The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis from Unwanted Emissions above 1GHz. So the measurement will follow this same test configuration.	
1	EUT in X axis-WLAN 2.4GHz
2	EUT in Z axis-WLAN 5GHz
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 as below. So the measurement will follow this same test configuration.	
1	EUT in X axis-WLAN 2.4GHz



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, and the worst case was found at X axis from Emissions in Restricted Frequency Bands/Unwanted Emissions above 1GHz. So the measurement will follow this same test configuration.	
1	EUT in X axis-WLAN 2.4GHz+ WLAN 5GHz UNII1~2A
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+ WLAN 5GHz UNII1~2A+5GHz UNII2C~3
Refer to Sporton Test Report No.: FA262436 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	AT&T	EPS48R0-16	INPUT: 120V ~ 1.1A, 60Hz OUTPUT: 12V, 4A, 48W

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN5G NB	DELL	E6430	N/A
B	Client	ASUS	AX88U	N/A
C	Client NB	DELL	E6430	N/A
D	Flash disk3.0	Transcend	JetFlash-700	N/A

For Radiated below 1GHz and Radiated above 1GHz-non-beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	PP13S	N/A

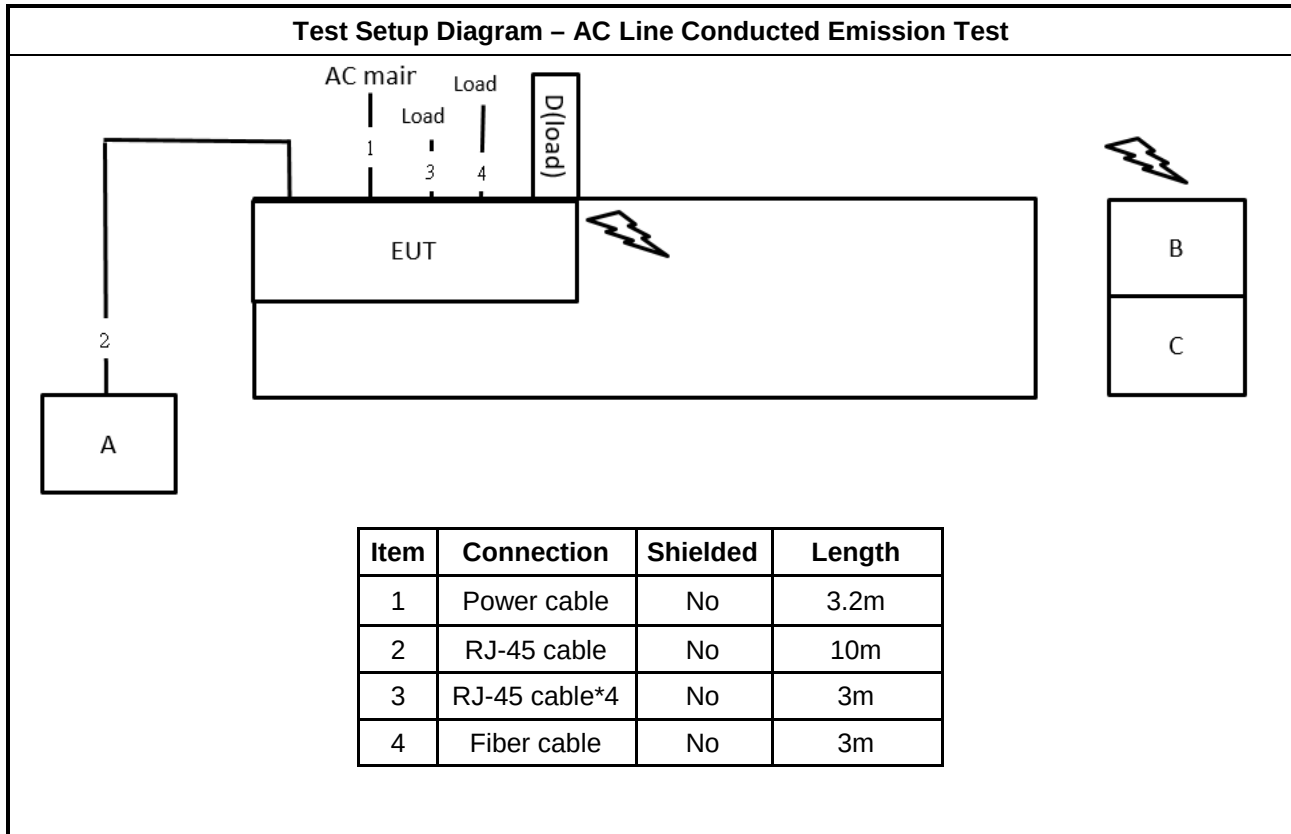
For Radiated above 1GHz-beamforming mode:

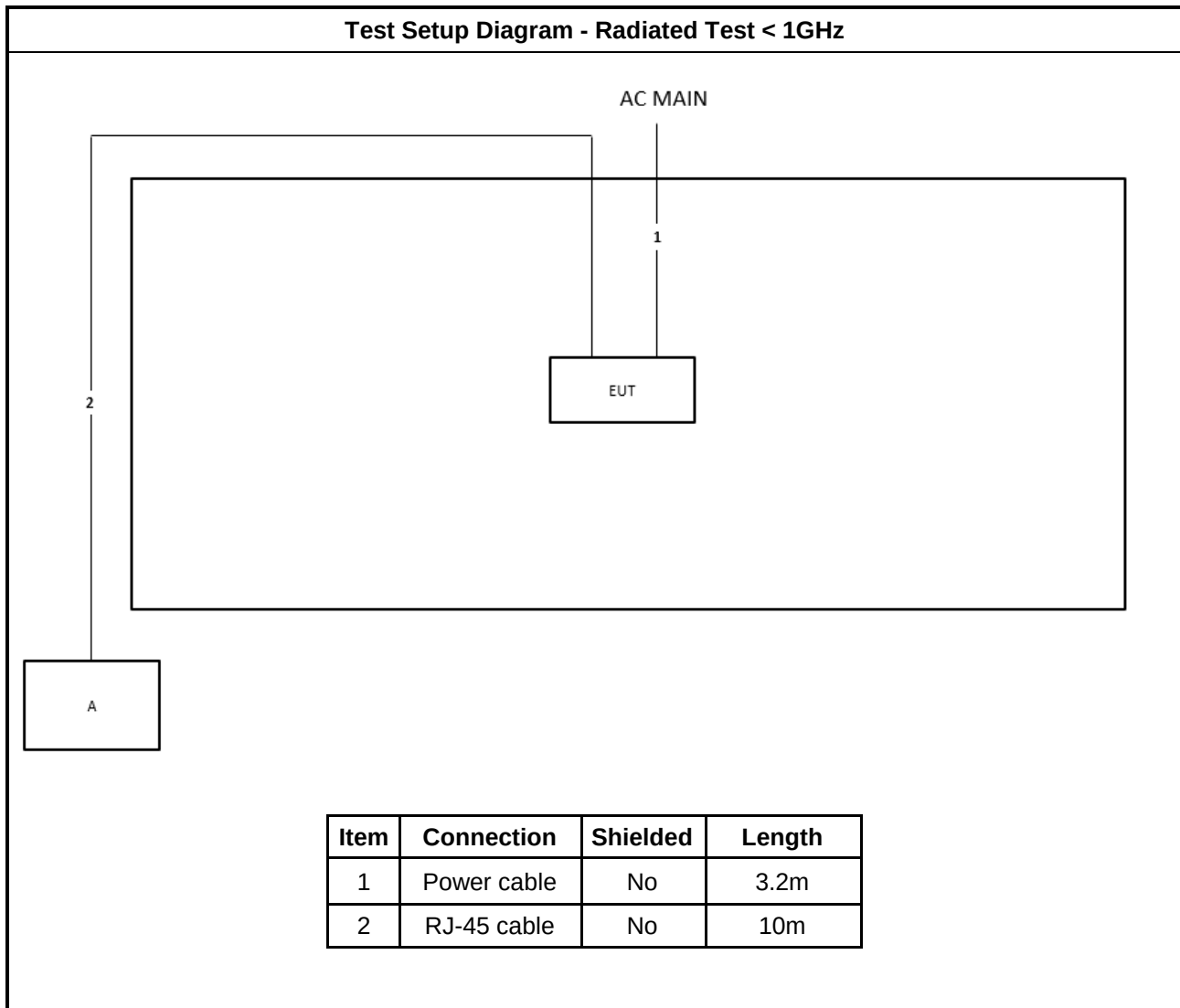
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	PP13S	N/A
B	Notebook	DELL	E6400	N/A
C	Client	ASUS	RT-AX88U	N/A

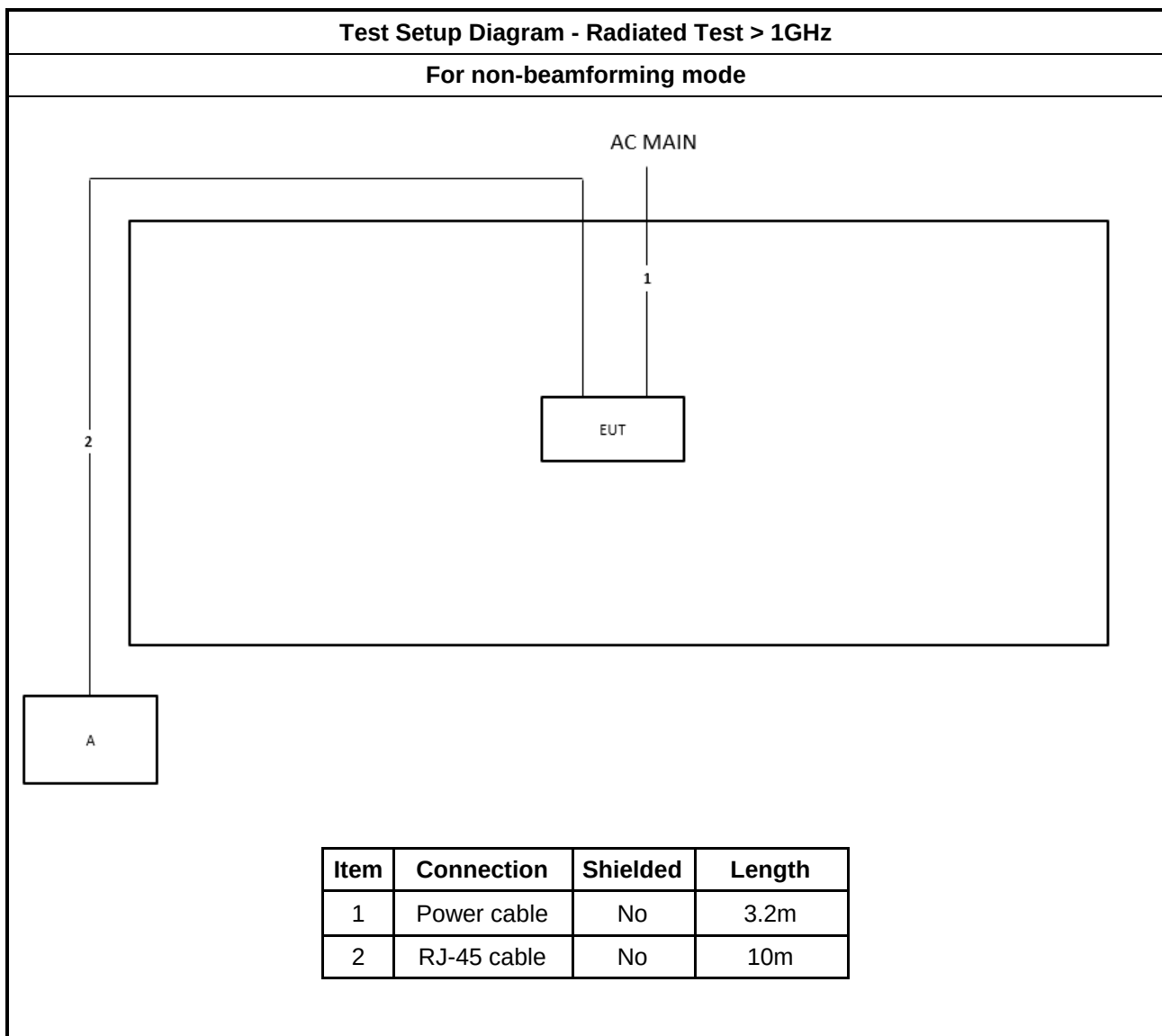
For RF Conducted:

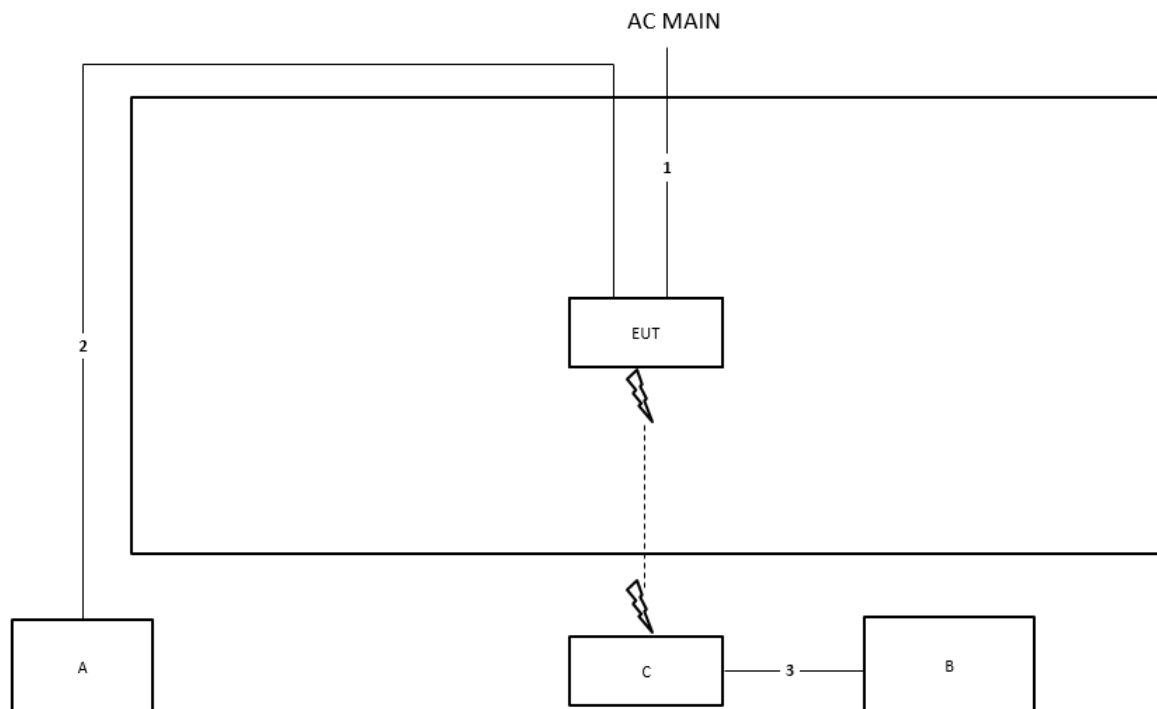
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Test Setup Diagram - Radiated Test > 1GHz
For non-beamforming mode


Test Setup Diagram - Radiated Test > 1GHz
For beamforming mode


Item	Connection	Shielded	Length
1	Power cable	No	3.2m
2	RJ-45 cable	No	10m
3	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.		

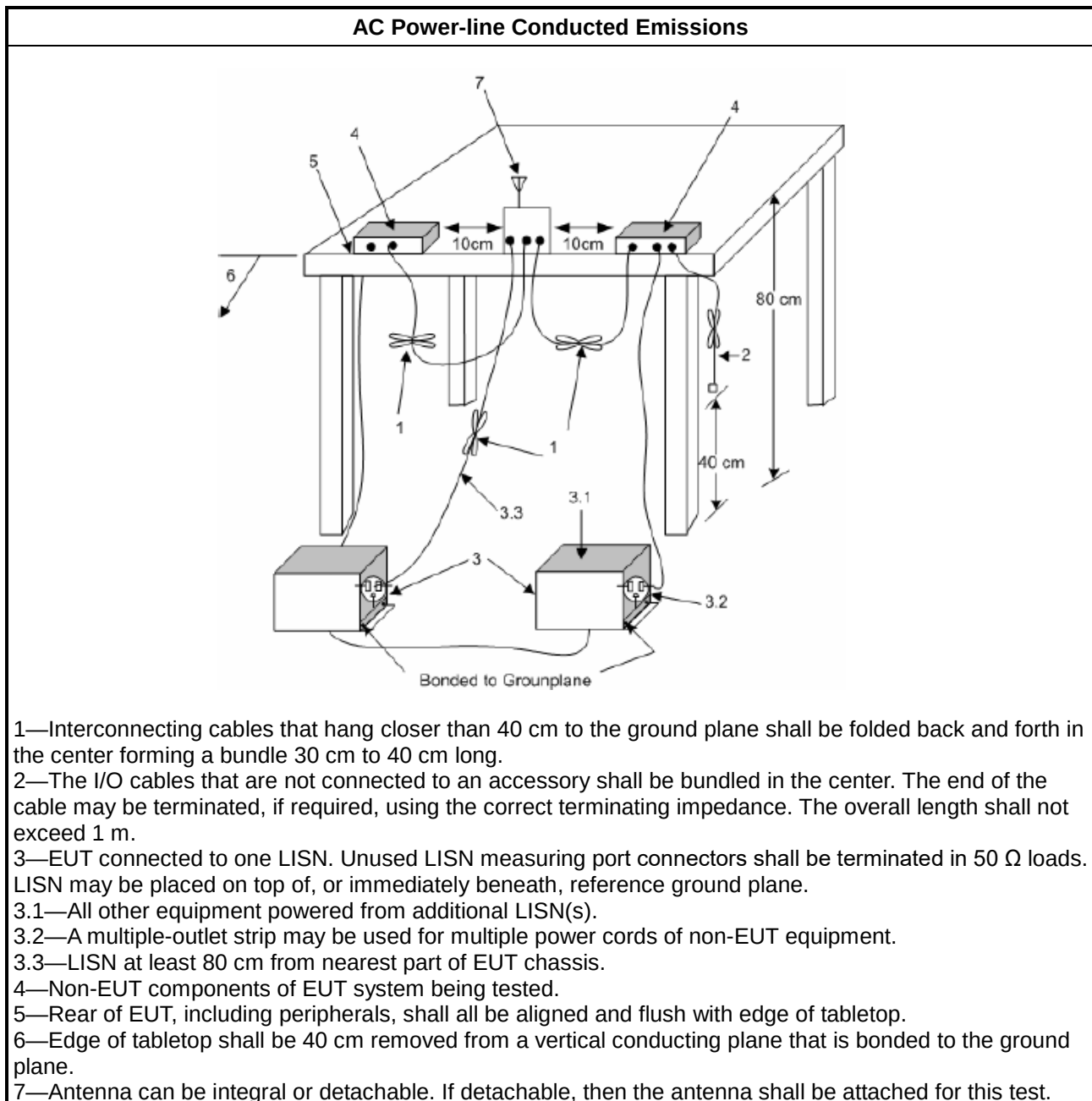
3.1.2 Measuring Instruments

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



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- 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 $\geq$ 500 kHz.

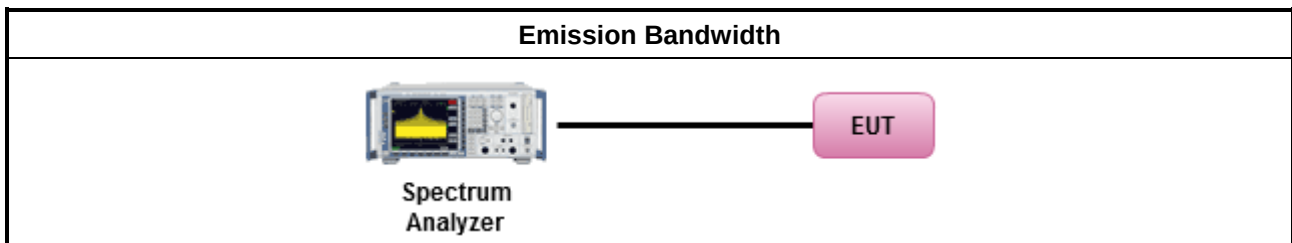
3.2.2 Measuring Instruments

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



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

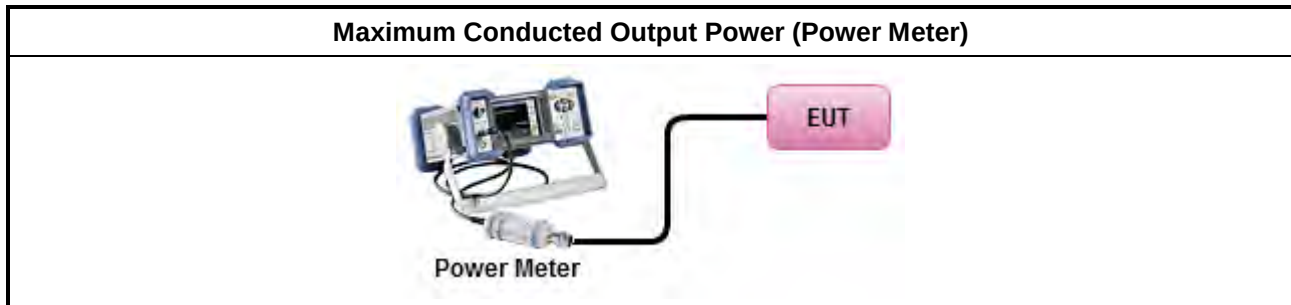
Refer a test equipment and calibration data table in this test report.



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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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

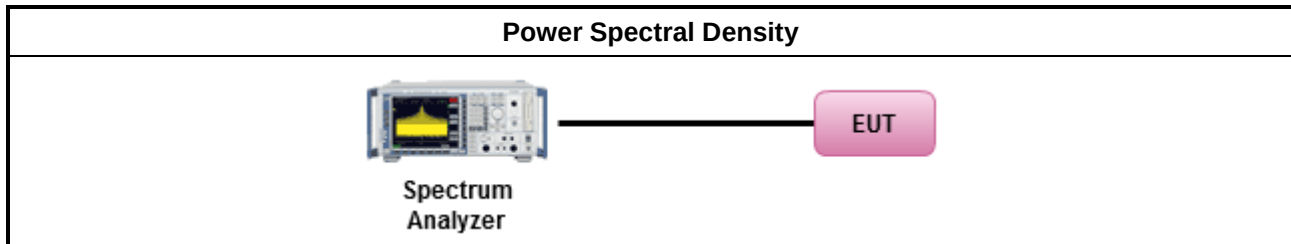
3.4.2 Measuring Instruments

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



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.	

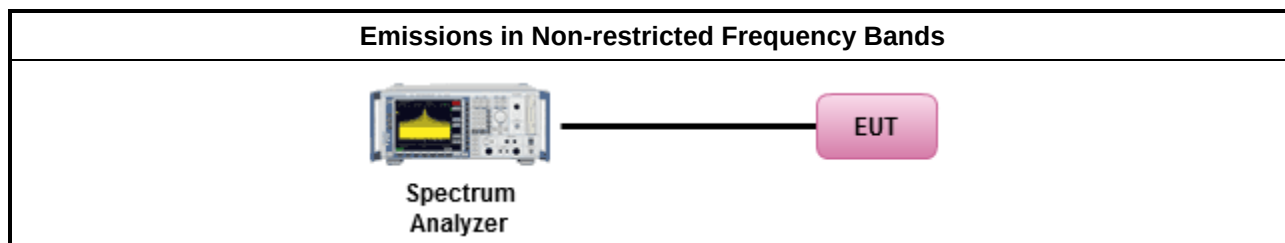
3.5.2 Measuring Instruments

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



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

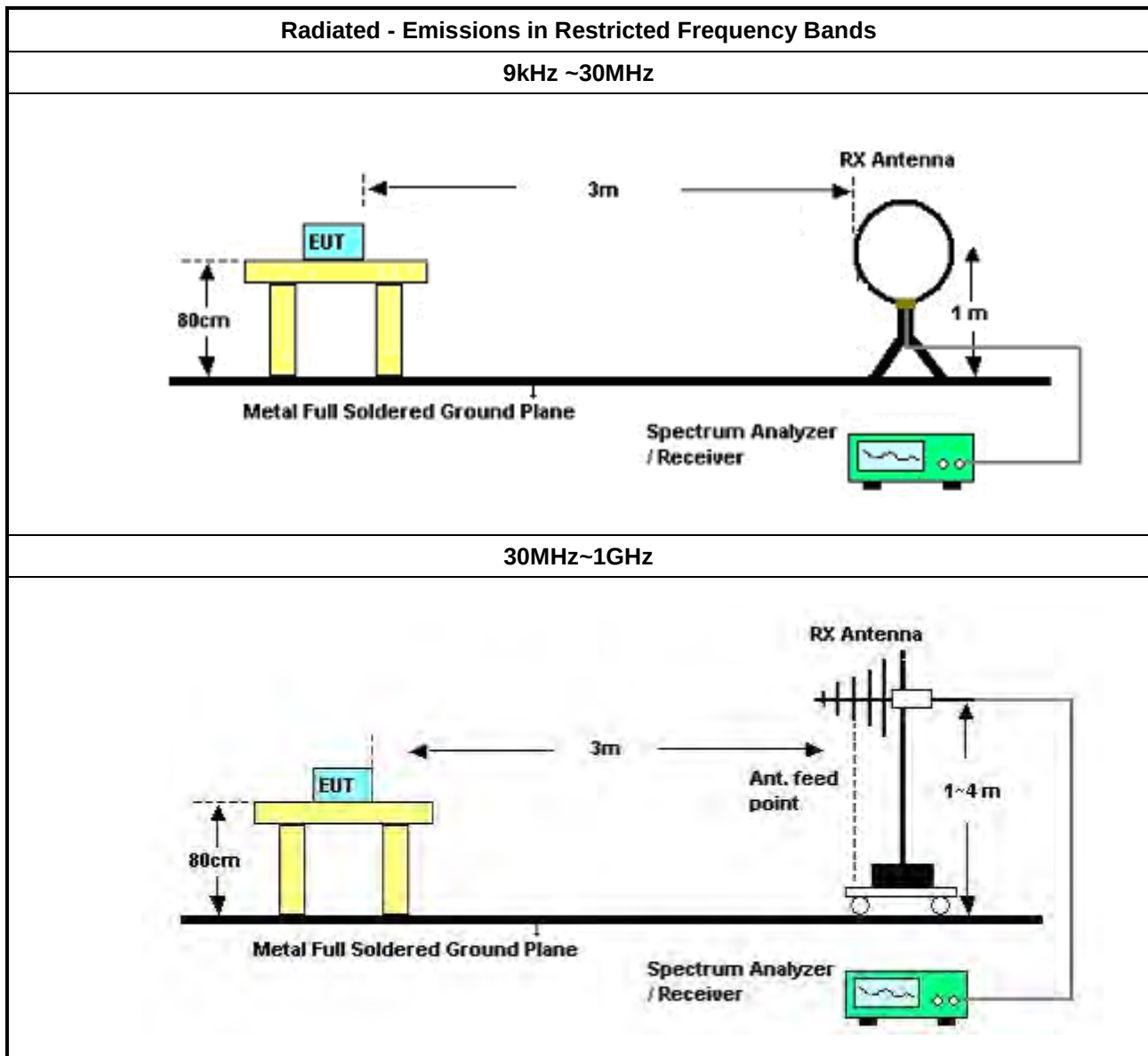
Refer a test equipment and calibration data table in this test report.

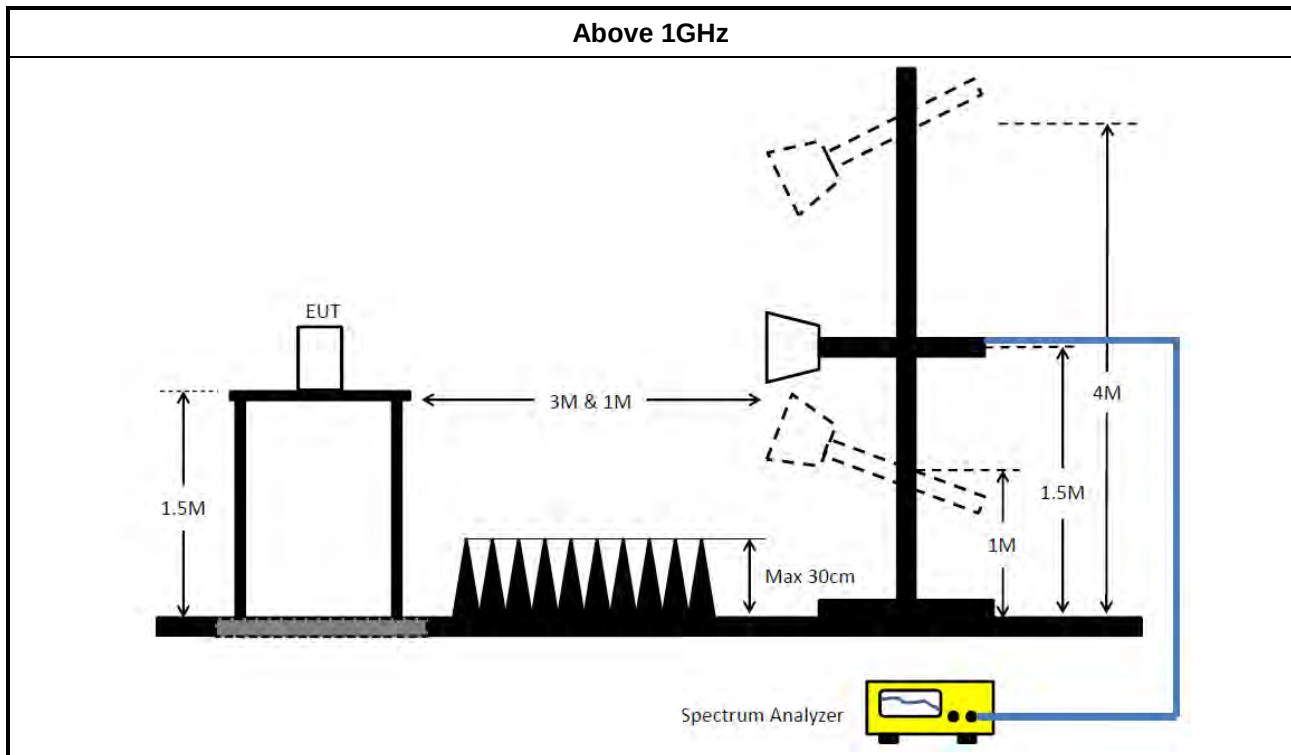


3.6.3 Test Procedures

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 $\geq 98\%$).
	☐ 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 $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, 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





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-5 0-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 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 18, 2022	May 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 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	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH02-CB)
Pre-Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun. 21, 2022	Jun. 20, 2023	Radiation (03CH02-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
Temp. and Humidity Chamber	Ten Billion	TTH-C2SP	TBN-1010206	-20~100 degree	Feb. 18, 2022	Feb. 17, 2023	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)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2021	Nov. 04, 2022	Conducted (TH02-CB)
Power Sensor	Agilent	U2021XA	MY53410002	50MHz~18GHz	Nov. 05, 2021	Nov. 04, 2022	Conducted (TH02-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Apr. 14, 2022	Apr. 13, 2023	Conducted (TH02-CB)



RADIO TEST REPORT

Report No. : FR262436AA

Power Sensor	Agilent	U2021XA	MY54320015	50MHz~18GHz	Apr. 14, 2022	Apr. 13, 2023	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.
NCR means Non-Calibration required.



Conducted Emissions at Powerline

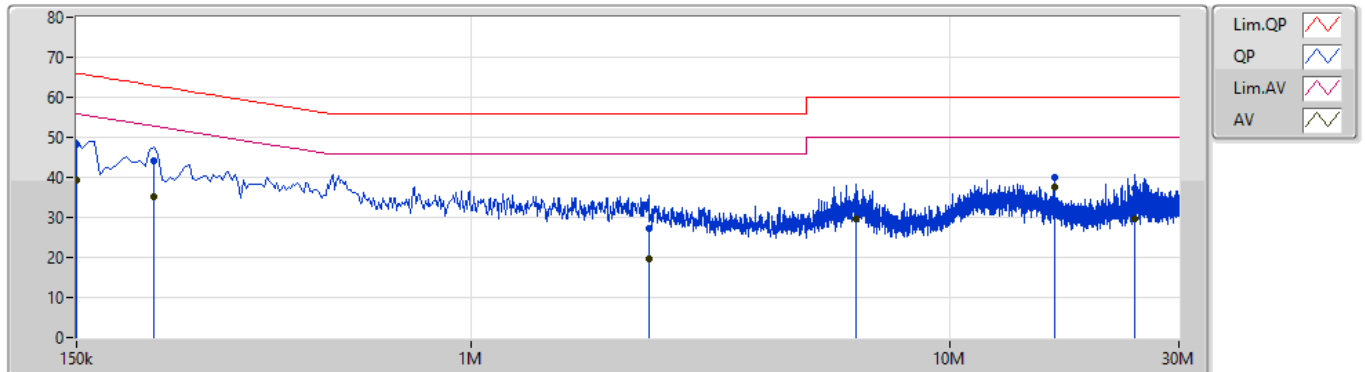
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	16.463M	37.58	50.00	-12.42	Line

Mode 1

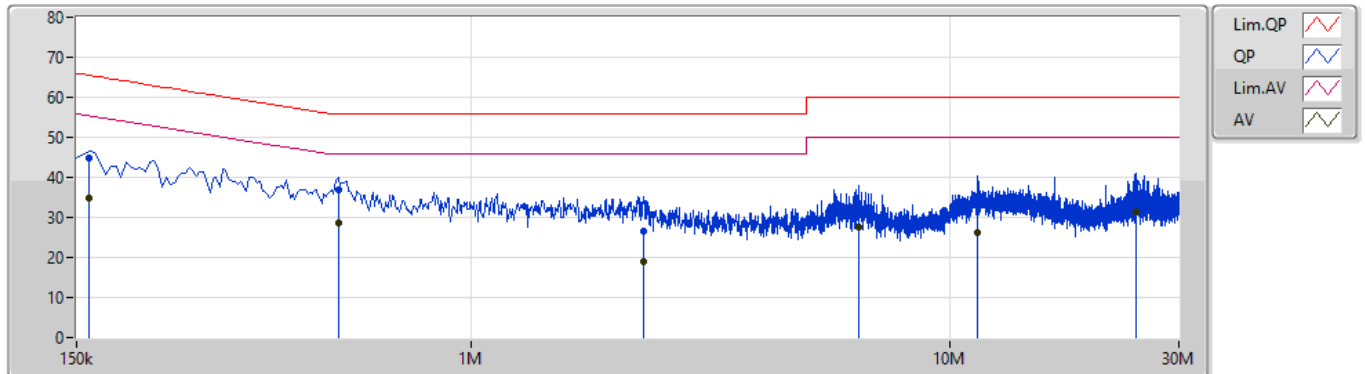
19/07/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	48.14	66.00	-17.86	9.99	Line	-	38.15	0.06	0.04	9.89			
AV	150k	39.35	56.00	-16.65	9.99	Line	-	29.36	0.06	0.04	9.89			
QP	217.5k	44.08	62.92	-18.84	9.99	Line	-	34.09	0.06	0.04	9.89			
AV	217.5k	35.17	52.92	-17.75	9.99	Line	-	25.18	0.06	0.04	9.89			
QP	2.346M	27.33	56.00	-28.67	10.08	Line	-	17.25	0.10	0.09	9.89			
AV	2.346M	19.74	46.00	-26.26	10.08	Line	-	9.66	0.10	0.09	9.89			
QP	6.356M	33.78	60.00	-26.22	10.20	Line	-	23.58	0.17	0.13	9.90			
AV	6.356M	29.50	50.00	-20.50	10.20	Line	-	19.30	0.17	0.13	9.90			
QP	16.463M	39.98	60.00	-20.02	10.42	Line	-	29.56	0.28	0.19	9.95			
AV	16.463M	37.58	50.00	-12.42	10.42	Line	"Worst"	27.16	0.28	0.19	9.95			
QP	24.221M	37.18	60.00	-22.82	10.59	Line	-	26.59	0.35	0.27	9.97			
AV	24.221M	29.53	50.00	-20.47	10.59	Line	-	18.94	0.35	0.27	9.97			

Mode 1

19/07/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159k	44.70	65.52	-20.82	10.00	Neutral	-	34.70	0.07	0.04	9.89			
AV	159k	34.74	55.52	-20.78	10.00	Neutral	-	24.74	0.07	0.04	9.89			
QP	528k	37.00	56.00	-19.00	10.01	Neutral	-	26.99	0.07	0.05	9.89			
AV	528k	28.73	46.00	-17.27	10.01	Neutral	"Worst"	18.72	0.07	0.05	9.89			
QP	2.297M	26.60	56.00	-29.40	10.09	Neutral	-	16.51	0.11	0.09	9.89			
AV	2.297M	19.03	46.00	-26.97	10.09	Neutral	-	8.94	0.11	0.09	9.89			
QP	6.45M	33.34	60.00	-26.66	10.22	Neutral	-	23.12	0.19	0.13	9.90			
AV	6.45M	27.58	50.00	-22.42	10.22	Neutral	-	17.36	0.19	0.13	9.90			
QP	11.427M	33.85	60.00	-26.15	10.33	Neutral	-	23.52	0.25	0.16	9.92			
AV	11.427M	26.18	50.00	-23.82	10.33	Neutral	-	15.85	0.25	0.16	9.92			
QP	24.41M	38.62	60.00	-21.38	10.54	Neutral	-	28.08	0.30	0.27	9.97			
AV	24.41M	31.30	50.00	-18.70	10.54	Neutral	-	20.76	0.30	0.27	9.97			

For non-beamforming mode:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	7.55M	10.42M	10M4G1D	7.025M	10.32M
802.11g_Nss1,(6Mbps)_4TX	16.375M	16.892M	16M9D1D	16.325M	16.742M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.05M	19.065M	19M1D1D	18.875M	18.991M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.9M	37.981M	38M0D1D	37.55M	37.781M

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

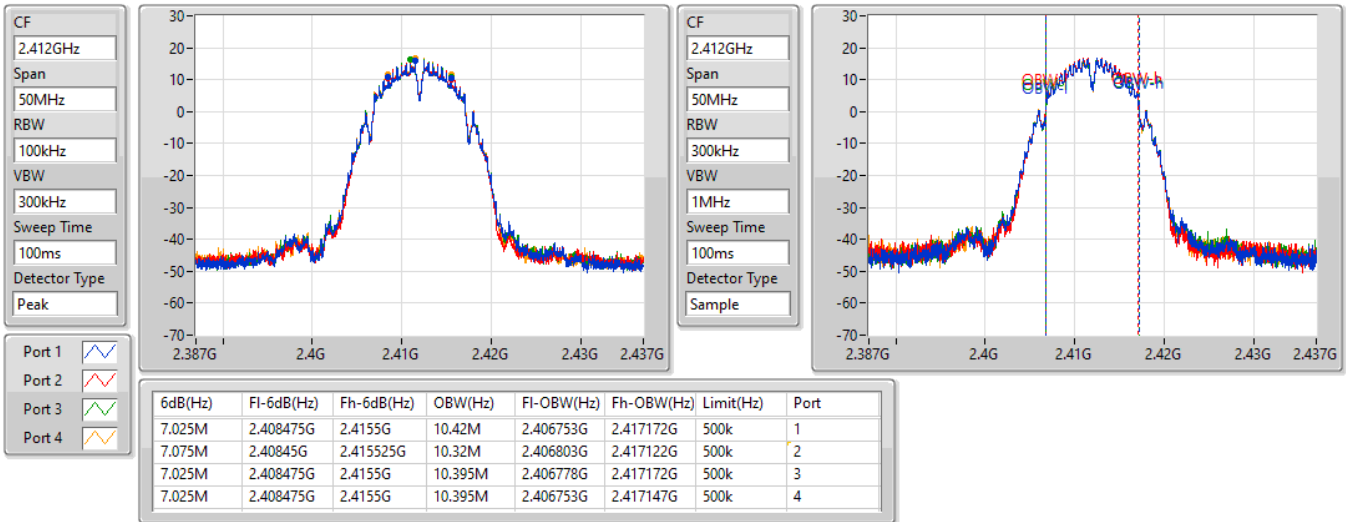
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.42M	7.075M	10.32M	7.025M	10.395M	7.025M	10.395M
2437MHz	Pass	500k	7.525M	10.37M	7.075M	10.345M	7.55M	10.345M	7.05M	10.37M
2462MHz	Pass	500k	7.075M	10.395M	7.025M	10.32M	7.05M	10.345M	7.025M	10.37M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.792M	16.35M	16.817M	16.325M	16.767M	16.375M	16.792M
2437MHz	Pass	500k	16.325M	16.842M	16.35M	16.892M	16.35M	16.842M	16.35M	16.767M
2462MHz	Pass	500k	16.375M	16.792M	16.325M	16.742M	16.35M	16.742M	16.325M	16.742M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M	18.875M	19.015M	18.875M	19.015M	18.925M	19.015M
2437MHz	Pass	500k	18.925M	19.04M	18.95M	19.065M	18.925M	19.065M	18.95M	19.065M
2462MHz	Pass	500k	19.05M	19.015M	18.95M	19.04M	18.975M	19.015M	18.975M	19.04M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.85M	37.931M	37.6M	37.881M	37.7M	37.931M	37.7M	37.981M
2437MHz	Pass	500k	37.65M	37.831M	37.9M	37.931M	37.75M	37.831M	37.85M	37.831M
2452MHz	Pass	500k	37.75M	37.931M	37.55M	37.781M	37.7M	37.831M	37.55M	37.981M

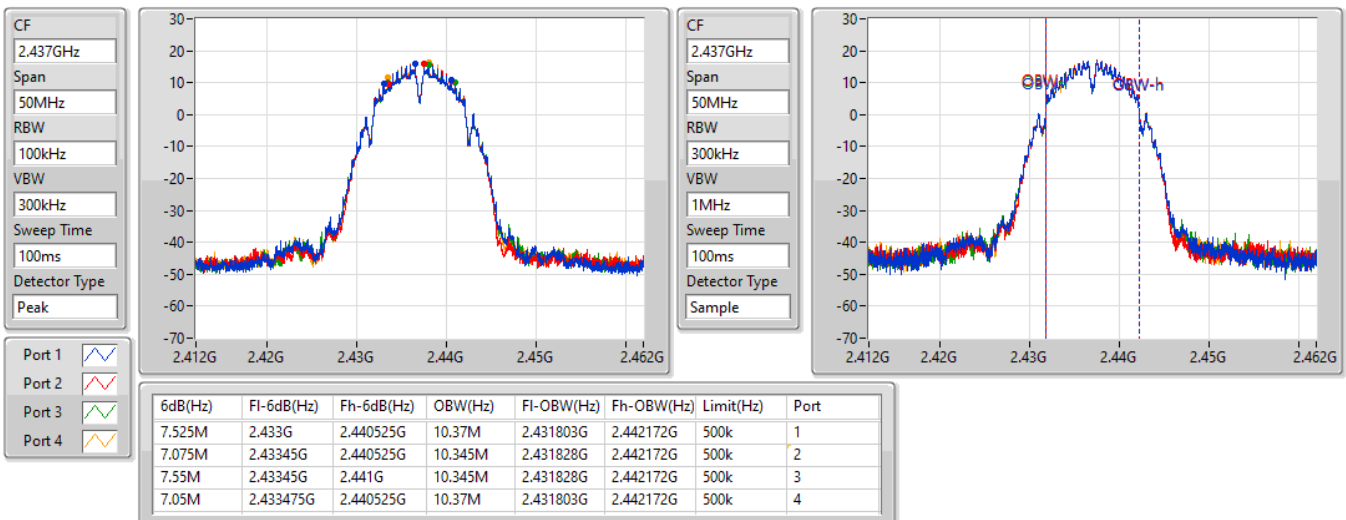
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

01/07/2022

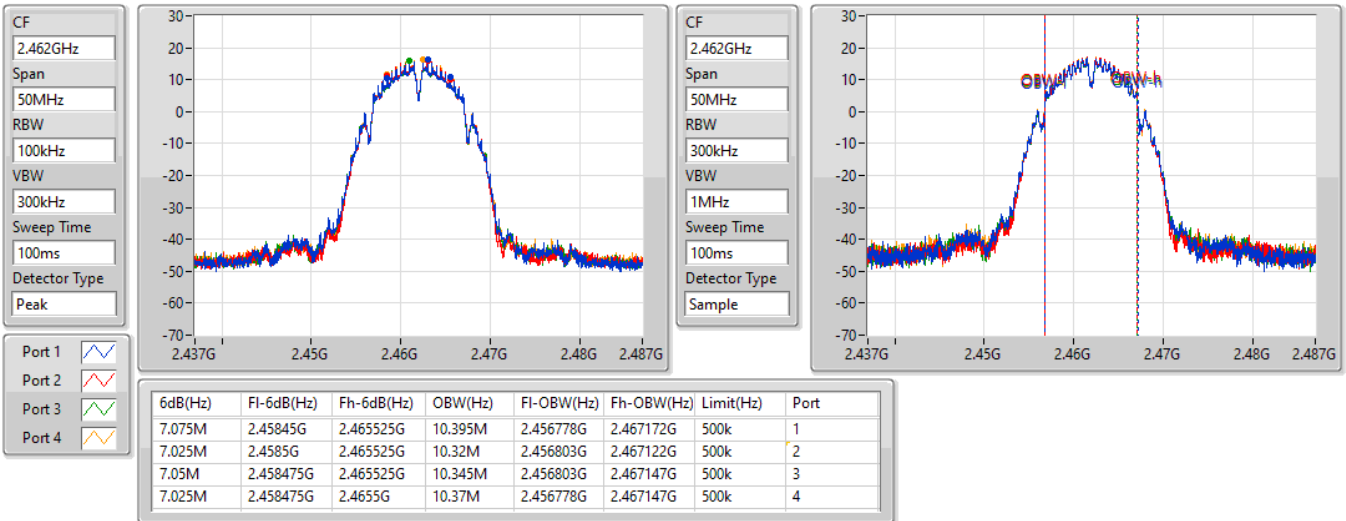

802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

01/07/2022

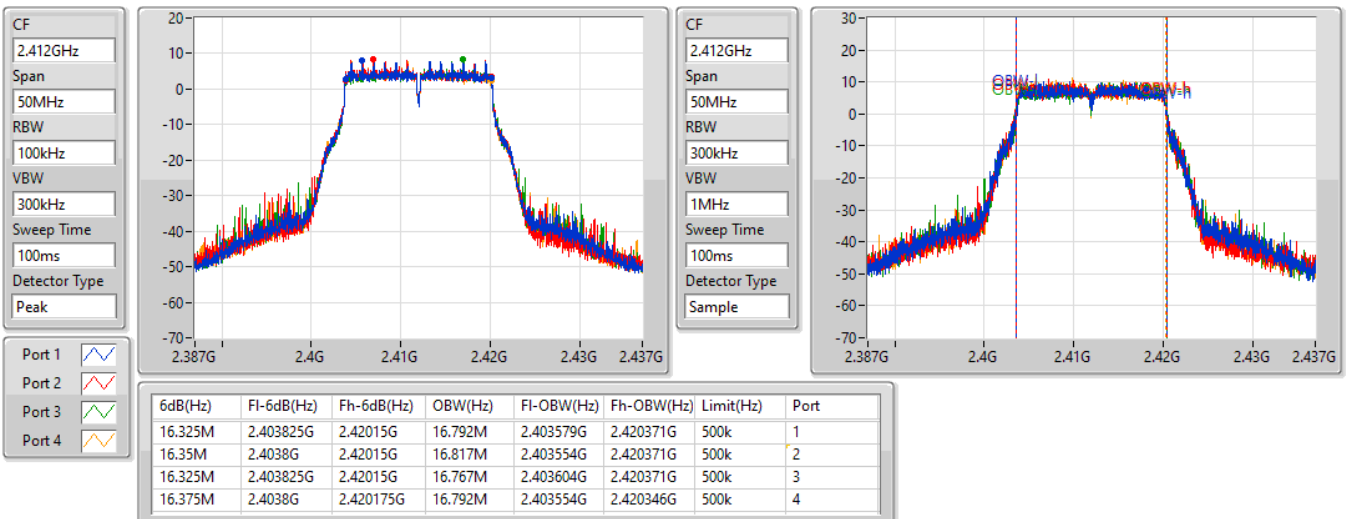


802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

01/07/2022

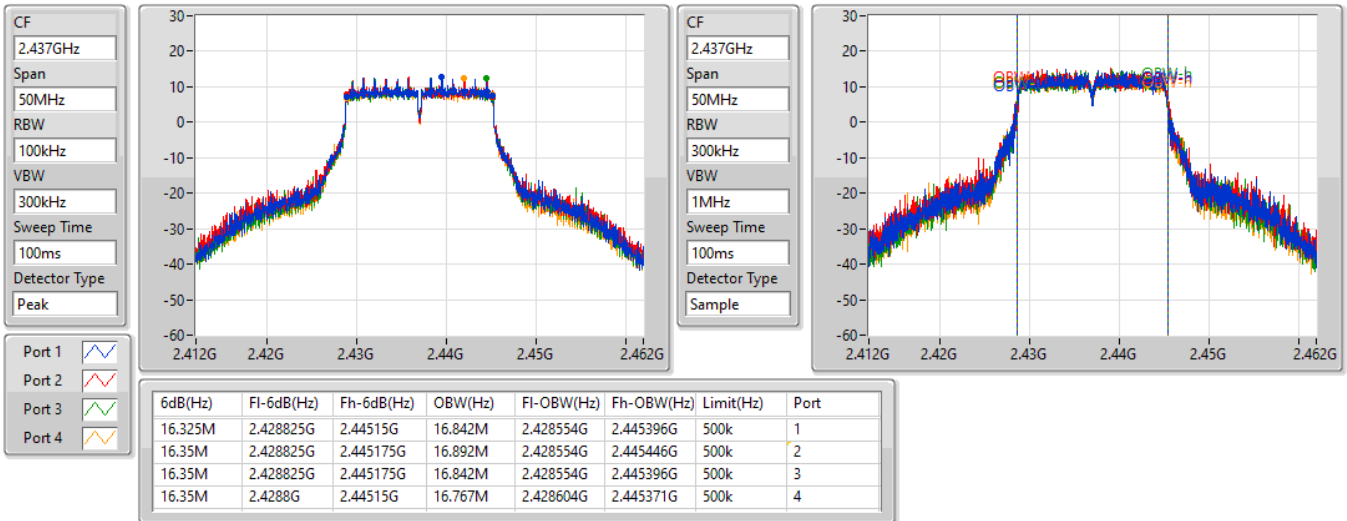

802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

01/07/2022

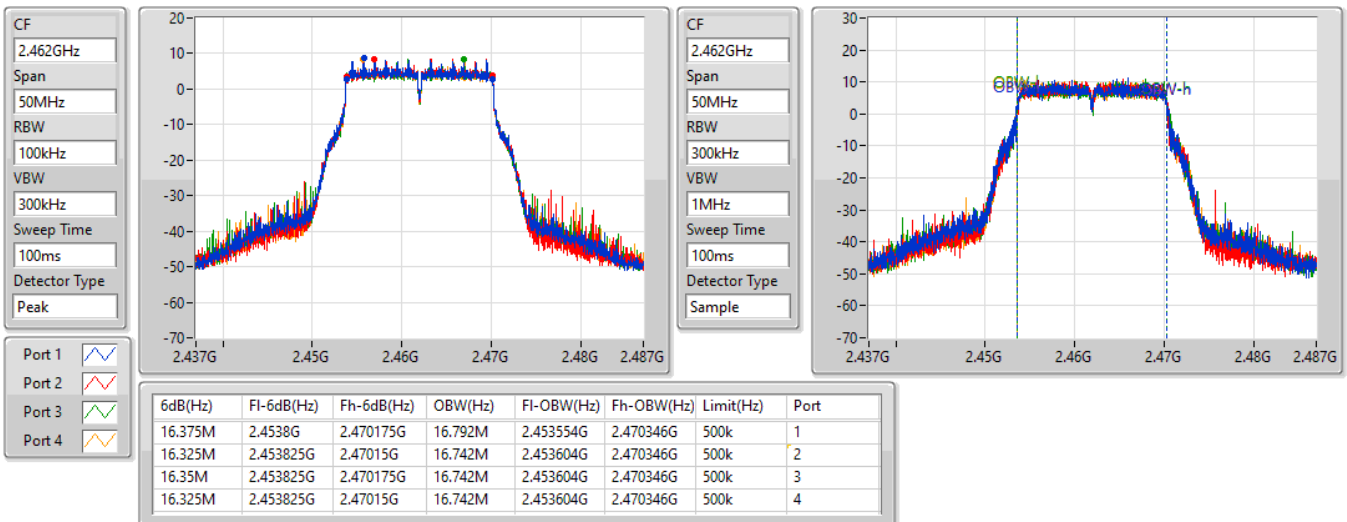


802.11g_Nss1,(6Mbps)_4TX
2437MHz

01/07/2022

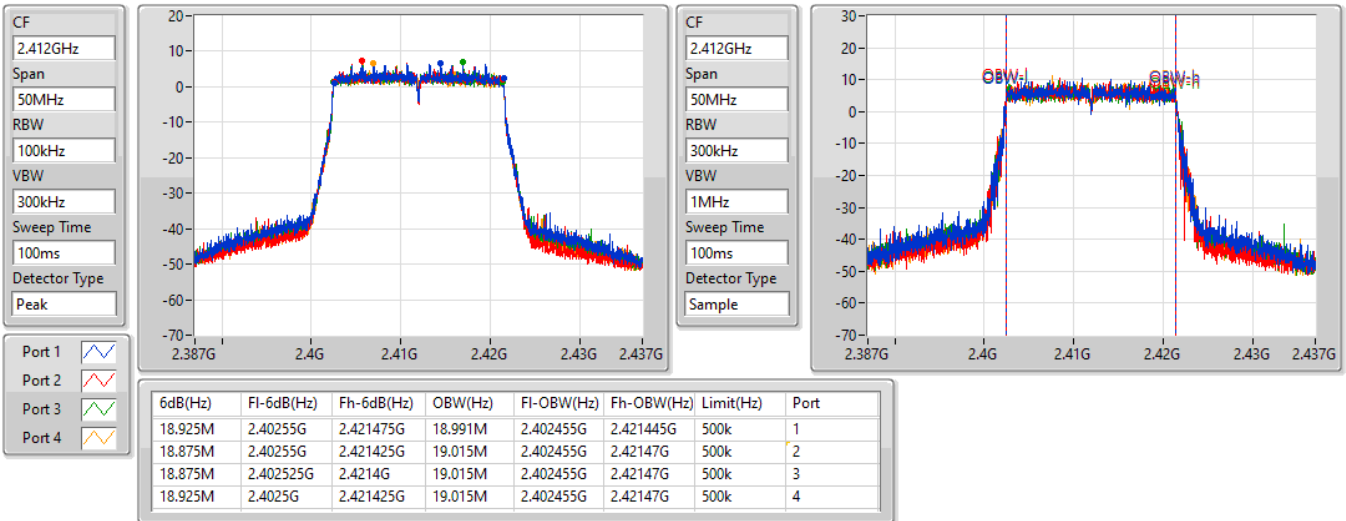

802.11g_Nss1,(6Mbps)_4TX
2462MHz

01/07/2022

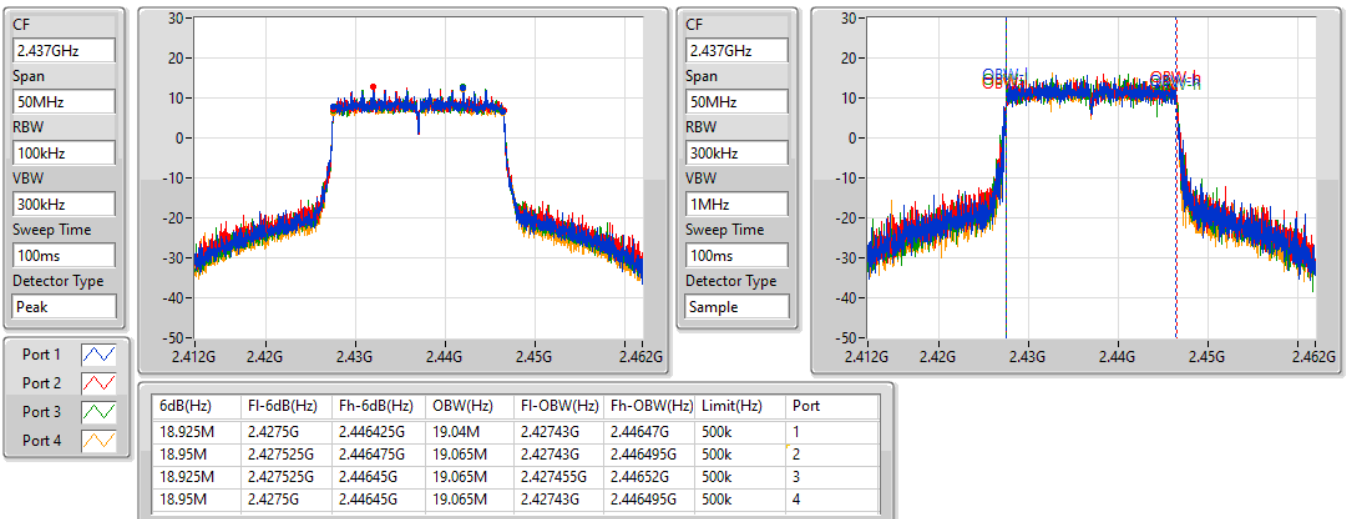


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2412MHz

01/07/2022

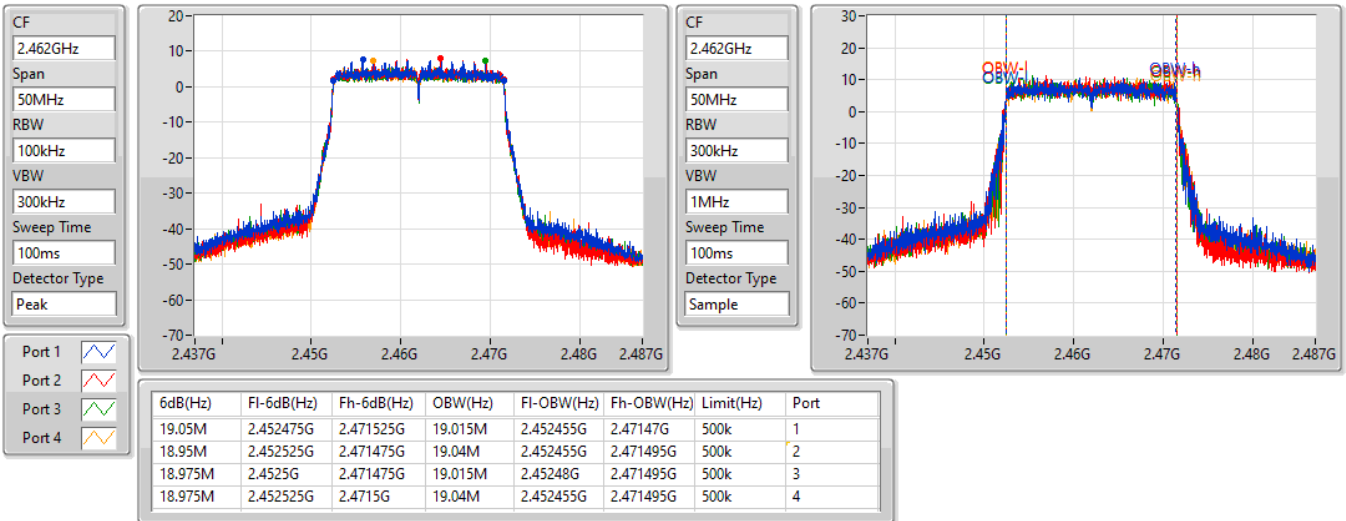

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2437MHz

01/07/2022

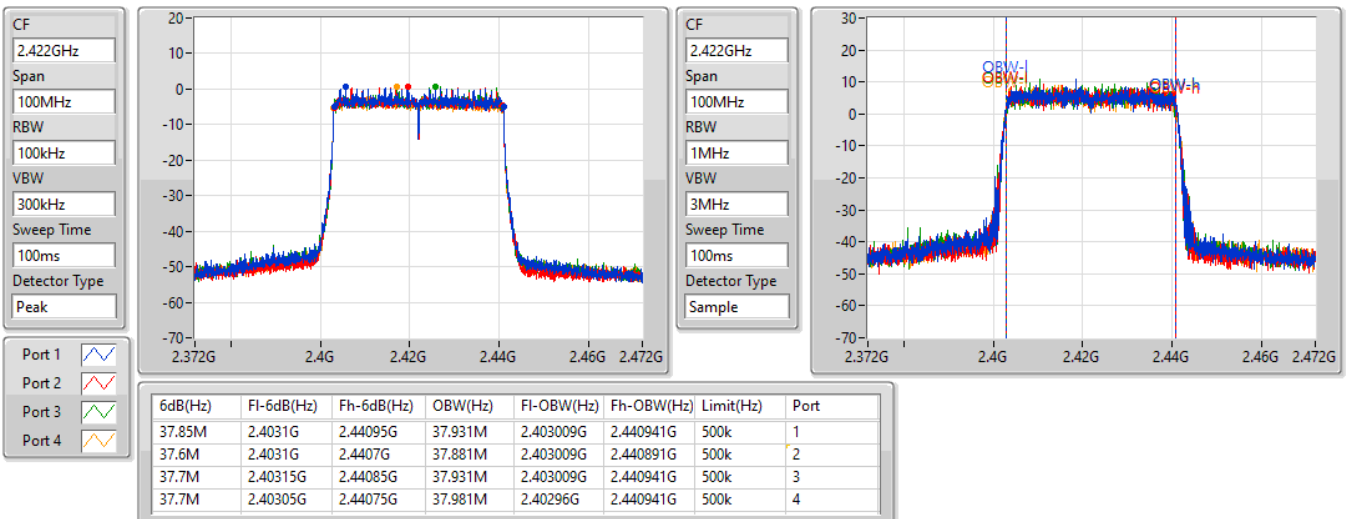


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2462MHz

01/07/2022

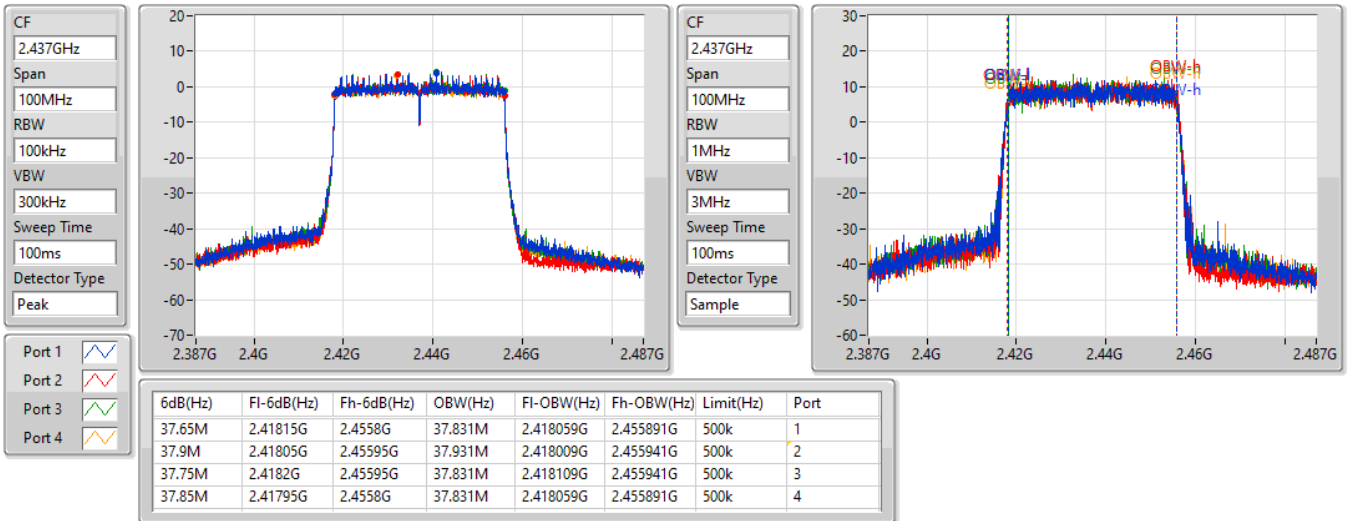

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2422MHz

01/07/2022

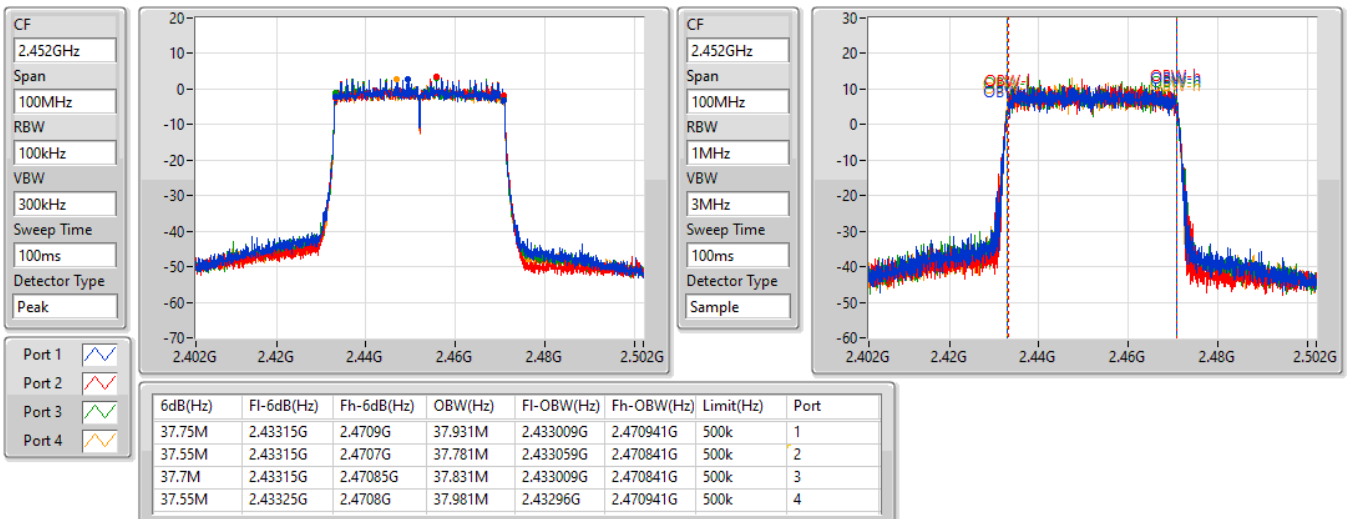


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2437MHz

01/07/2022


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2452MHz

01/07/2022



For beamforming mode:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.025M	19.09M	19M1D1D	18.875M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.9M	38.031M	38M0D1D	37.5M	37.831M

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

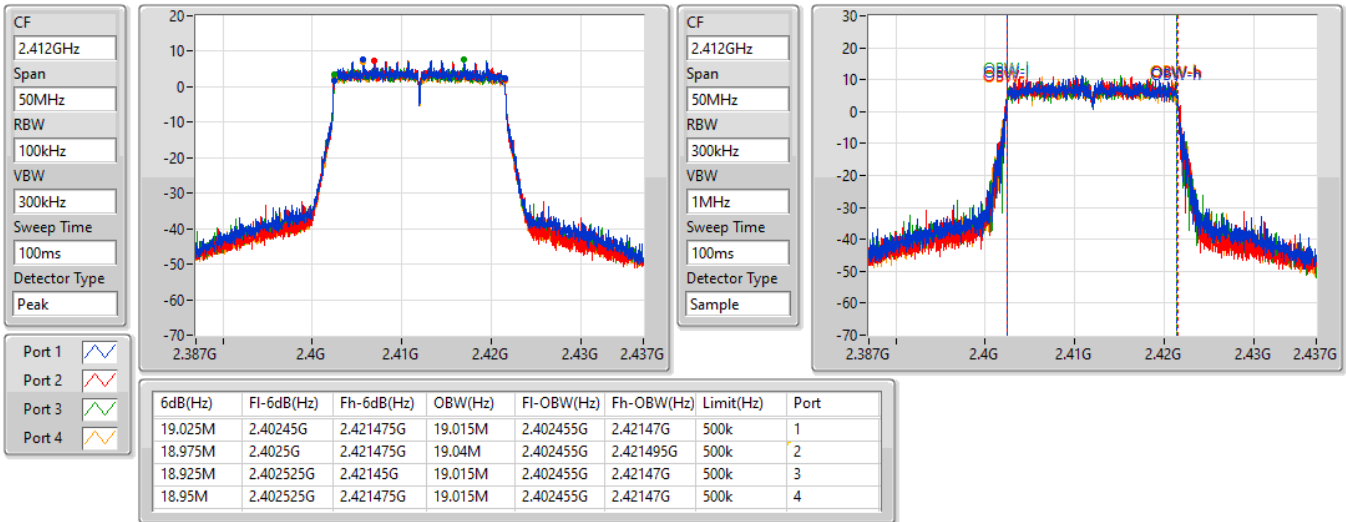
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.025M	19.015M	18.975M	19.04M	18.925M	19.015M	18.95M	19.015M
2437MHz	Pass	500k	18.95M	19.09M	18.875M	19.09M	18.875M	19.065M	18.95M	19.04M
2462MHz	Pass	500k	19.025M	19.015M	18.9M	19.04M	19M	18.966M	18.95M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.8M	37.931M	37.6M	37.931M	37.75M	37.881M	37.6M	37.931M
2437MHz	Pass	500k	37.8M	37.881M	37.8M	38.031M	37.8M	37.831M	37.5M	37.931M
2452MHz	Pass	500k	37.9M	37.831M	37.7M	37.981M	37.75M	37.881M	37.65M	37.931M

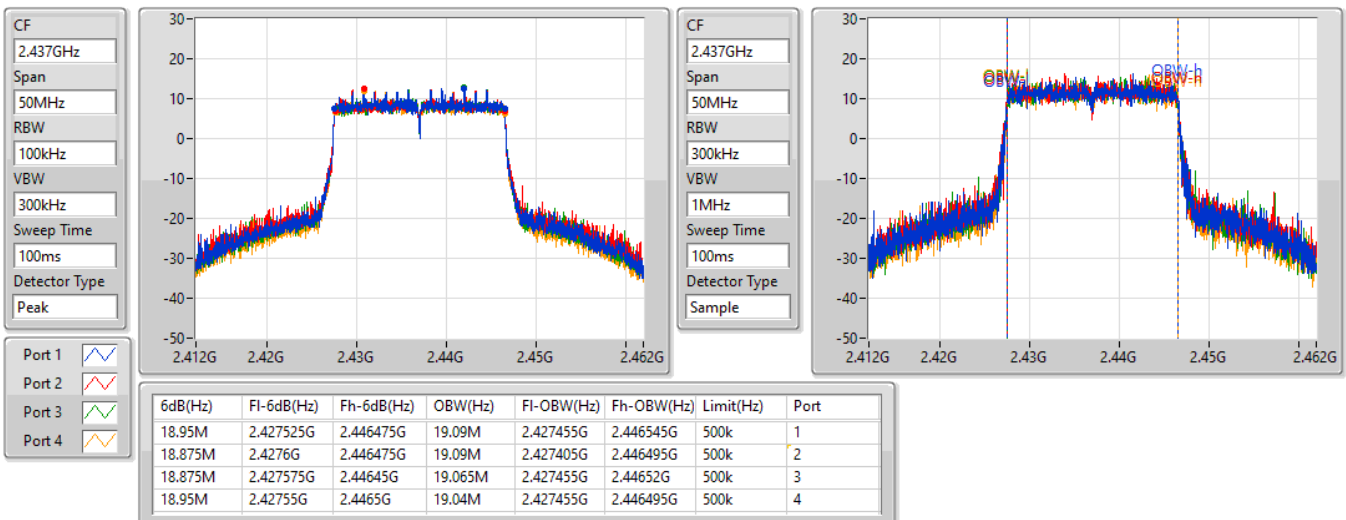
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2412MHz

01/07/2022

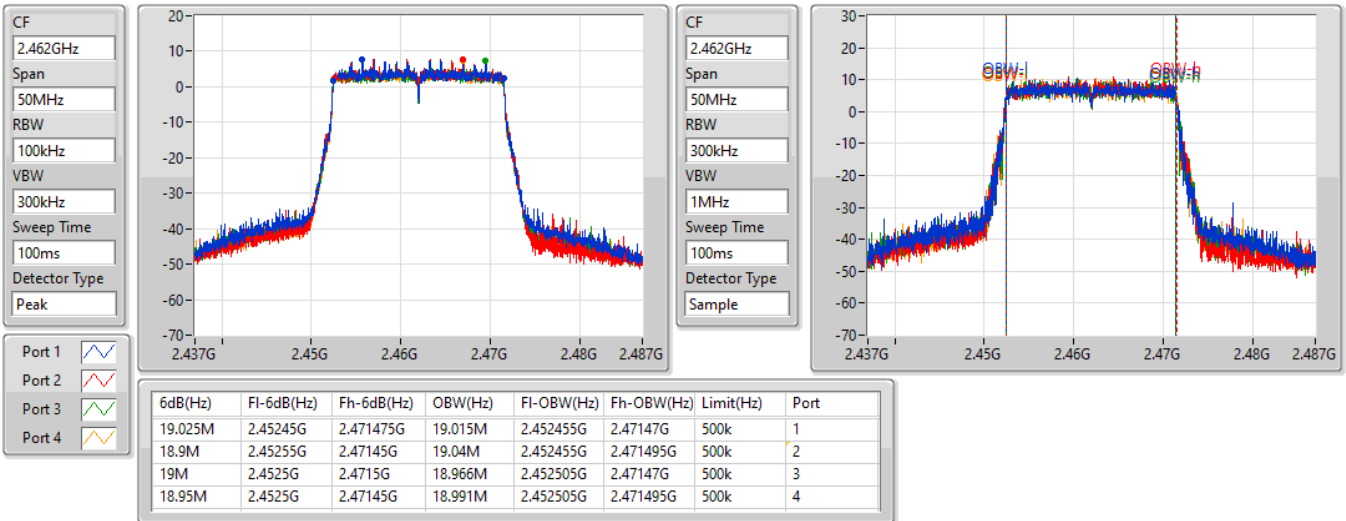

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

01/07/2022

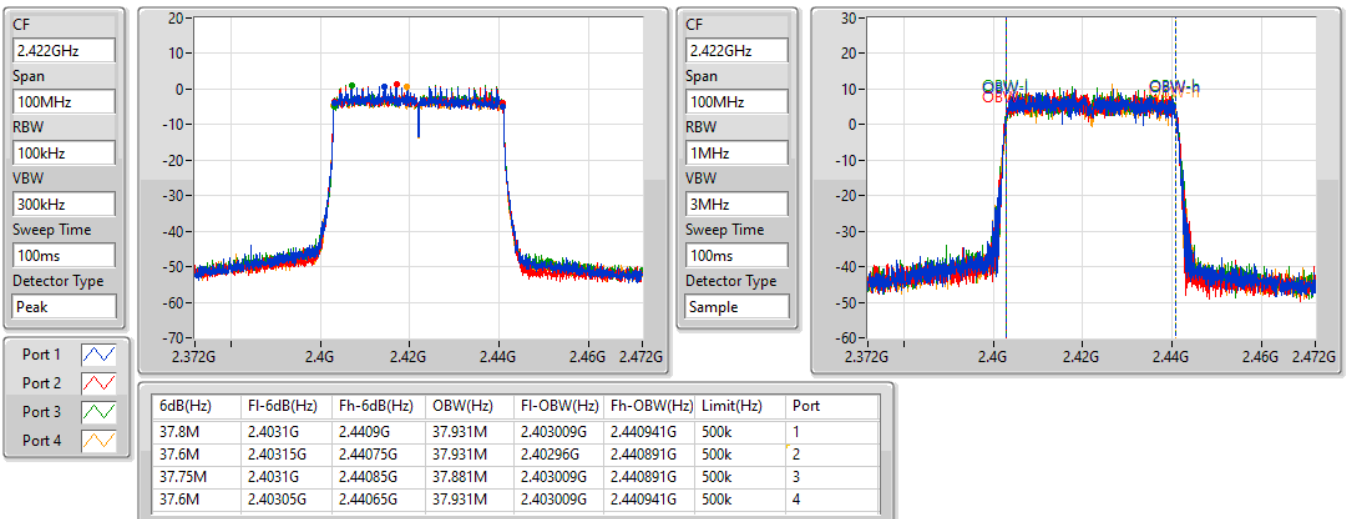


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

01/07/2022

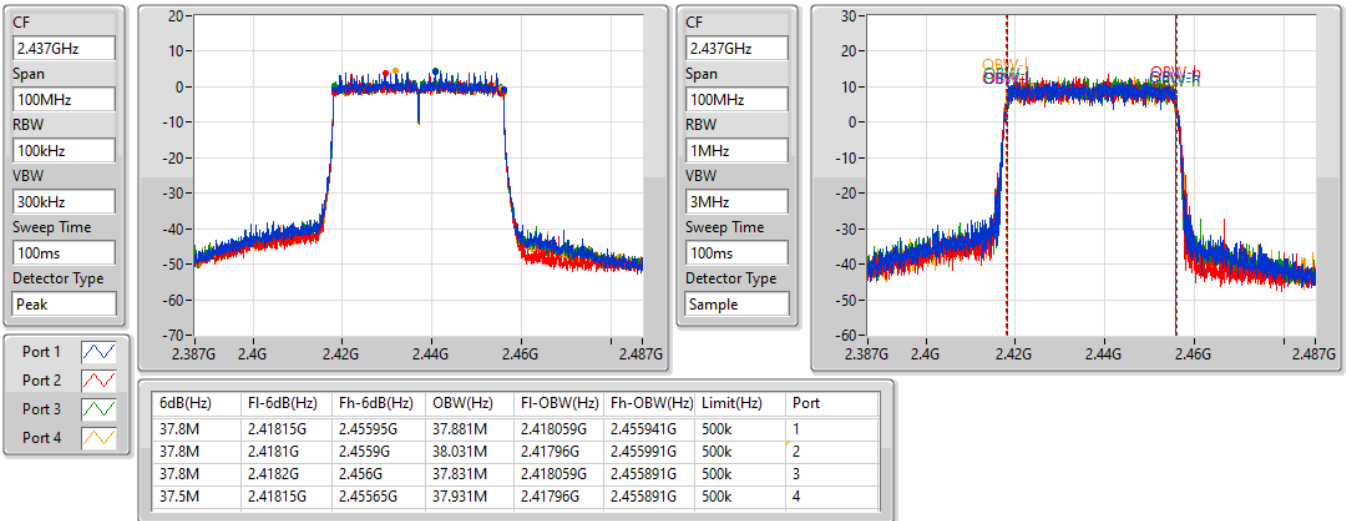

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

01/07/2022

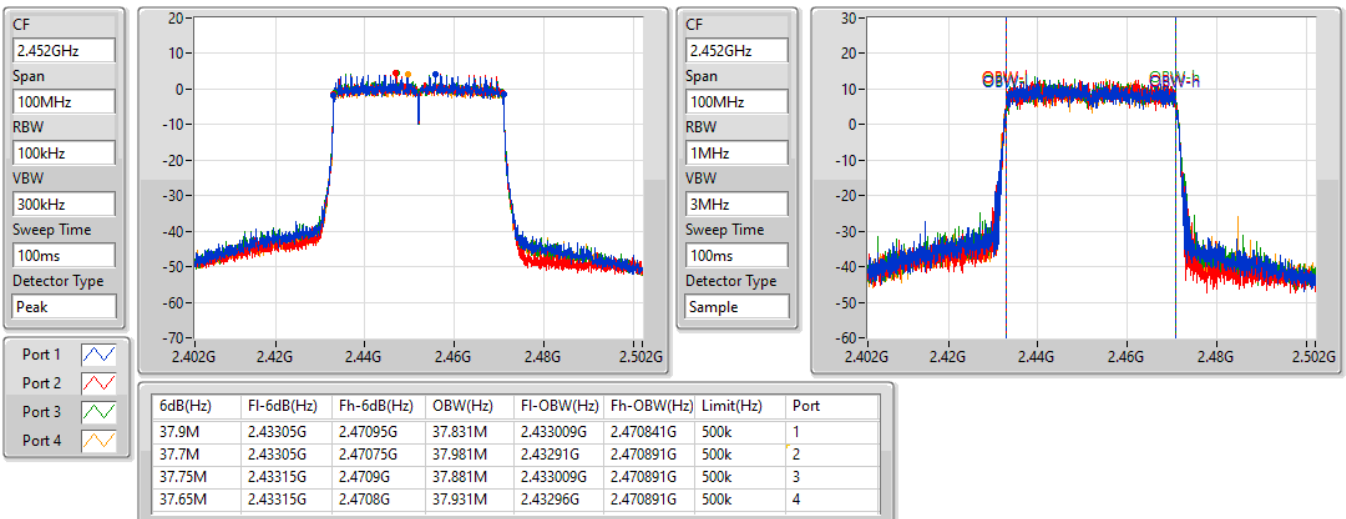


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

01/07/2022


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2452MHz

01/07/2022





Average Power

Appendix C.1

For non-beamforming mode:

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.98	0.99541
802.11g_Nss1,(6Mbps)_4TX	29.97	0.99312
802.11ax HEW20_Nss1,(MCS0)_4TX	29.98	0.99541
802.11ax HEW40_Nss1,(MCS0)_4TX	24.22	0.26424

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.27	23.85	23.89	23.72	24.19	29.94	30.00
2437MHz	Pass	4.27	23.69	24.11	23.85	24.17	29.98	30.00
2462MHz	Pass	4.27	23.79	24.15	23.82	23.99	29.96	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.27	19.68	19.98	19.77	19.74	25.81	30.00
2417MHz	Pass	4.27	23.05	23.19	22.70	22.88	28.98	30.00
2437MHz	Pass	4.27	23.97	24.06	24.01	23.77	29.97	30.00
2457MHz	Pass	4.27	21.49	21.52	21.58	21.32	27.50	30.00
2462MHz	Pass	4.27	20.05	20.23	19.95	19.83	26.04	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.27	18.43	18.55	18.38	18.26	24.43	30.00
2417MHz	Pass	4.27	20.72	20.87	20.69	20.48	26.71	30.00
2437MHz	Pass	4.27	23.95	24.15	24.02	23.70	29.98	30.00
2457MHz	Pass	4.27	21.51	21.54	21.36	21.29	27.45	30.00
2462MHz	Pass	4.27	19.46	19.53	19.24	19.15	25.37	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.27	15.23	15.12	15.29	14.97	21.17	30.00
2437MHz	Pass	4.27	18.11	18.25	18.38	18.03	24.22	30.00
2452MHz	Pass	4.27	17.34	17.56	17.58	17.13	23.43	30.00

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



Average Power

Appendix C.2

For beamforming mode:

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.98	0.99541
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	24.72	0.29648



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.01	19.31	19.42	19.05	18.93	25.20	30.00
2417MHz	Pass	5.01	19.86	20.09	19.97	19.78	25.95	30.00
2437MHz	Pass	5.01	23.95	24.15	24.02	23.70	29.98	30.00
2457MHz	Pass	5.01	21.51	21.54	21.36	21.29	27.45	30.00
2462MHz	Pass	5.01	19.19	19.25	18.98	18.87	25.10	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.01	15.67	15.71	15.78	15.45	21.67	30.00
2437MHz	Pass	5.01	18.63	18.77	18.82	18.56	24.72	30.00
2452MHz	Pass	5.01	18.59	18.73	18.81	18.47	24.67	30.00

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

For non-beamforming mode:

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	5.80
802.11g_Nss1,(6Mbps)_4TX	3.21
802.11ax HEW20_Nss1,(MCS0)_4TX	1.89
802.11ax HEW40_Nss1,(MCS0)_4TX	-5.85

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.01	1.27	1.26	1.89	1.60	5.38	8.00
2437MHz	Pass	5.01	1.20	1.34	1.18	0.90	5.80	8.00
2462MHz	Pass	5.01	2.04	1.04	1.39	1.86	5.59	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.01	-6.17	-5.29	-5.62	-5.44	-2.07	8.00
2437MHz	Pass	5.01	-1.75	-1.52	-1.48	-1.66	3.21	8.00
2462MHz	Pass	5.01	-5.32	-5.68	-6.21	-5.96	-1.87	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.01	-7.99	-8.11	-7.77	-8.26	-3.38	8.00
2437MHz	Pass	5.01	-2.13	-2.73	-1.92	-2.27	1.89	8.00
2462MHz	Pass	5.01	-7.13	-6.68	-6.77	-6.60	-2.93	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.01	-13.10	-13.92	-14.03	-14.09	-9.71	8.00
2437MHz	Pass	5.01	-11.06	-10.13	-11.24	-11.56	-5.85	8.00
2452MHz	Pass	5.01	-11.08	-11.18	-11.80	-12.03	-7.35	8.00

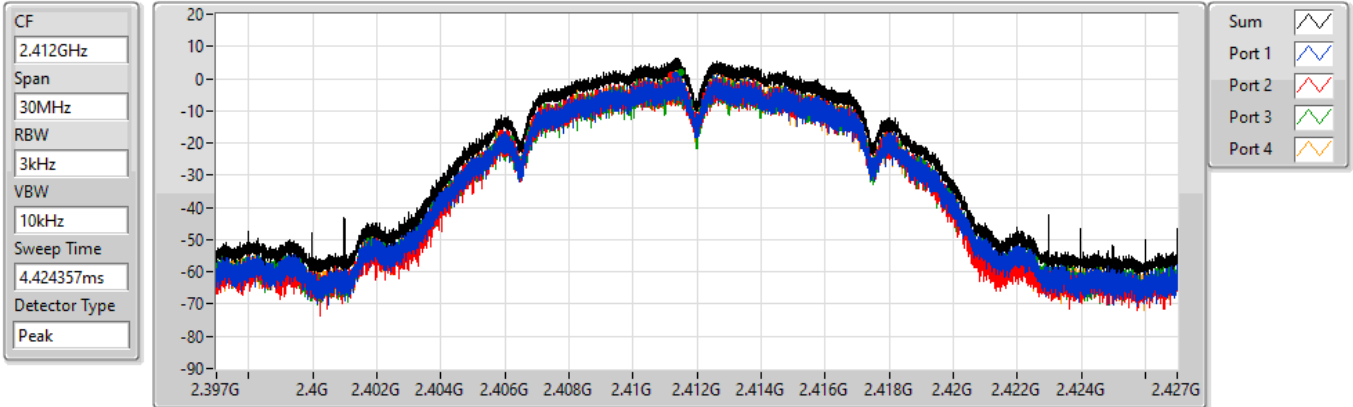
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

01/07/2022



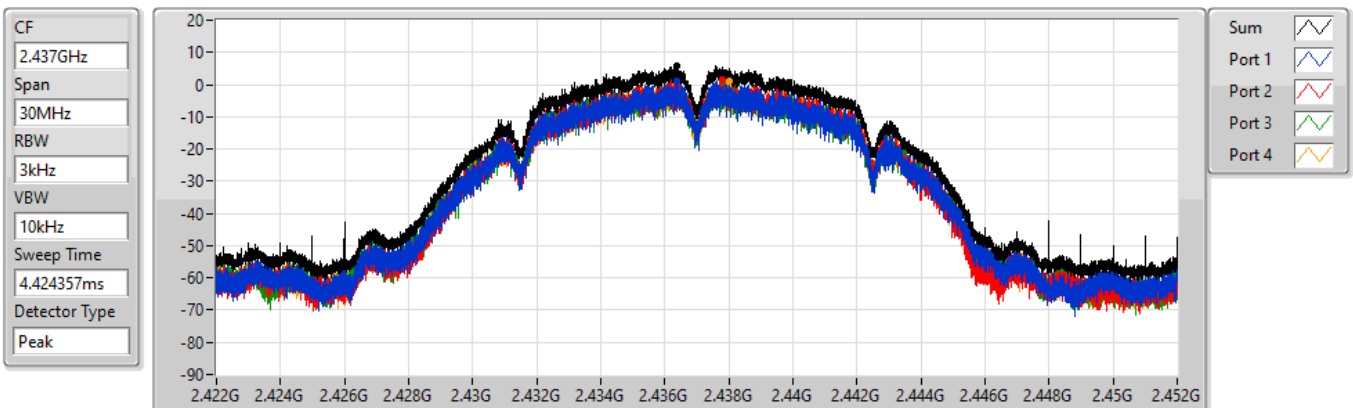
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.38	5.38	1.27	1.26	1.89	1.60

802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

01/07/2022



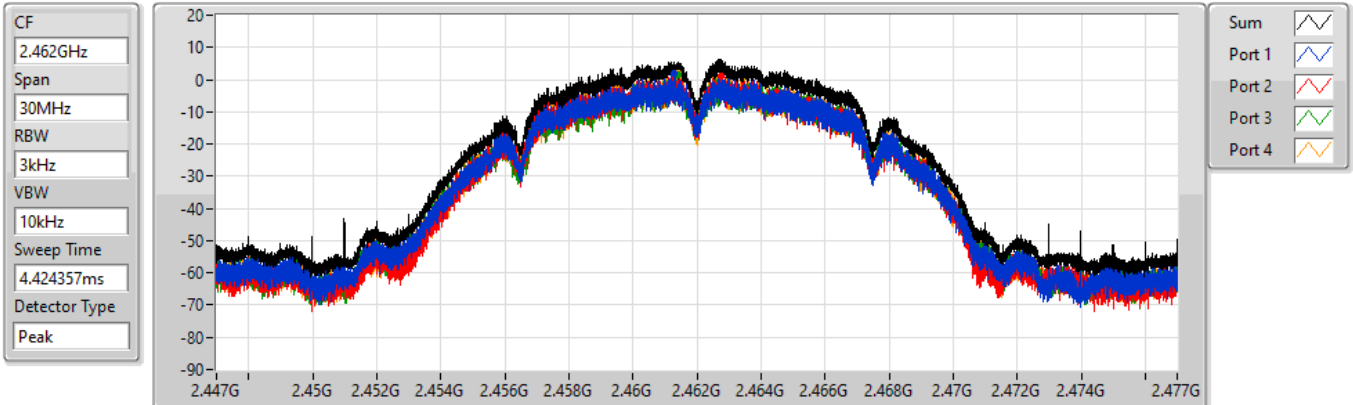
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.80	5.80	1.20	1.34	1.18	0.90

802.11b_Nss1,(1Mbps)_4TX

2462MHz

PSD

01/07/2022



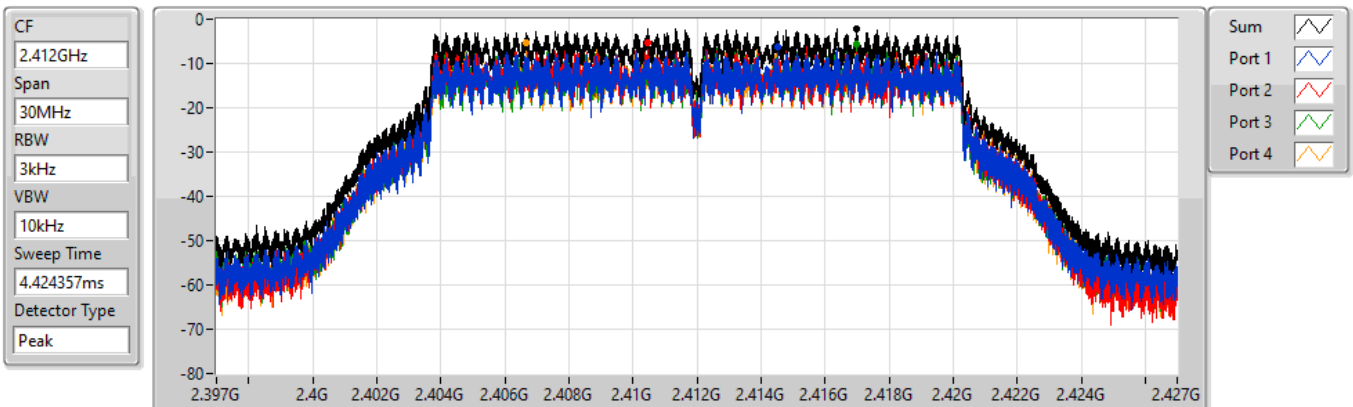
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.59	5.59	2.04	1.04	1.39	1.86

802.11g_Nss1,(6Mbps)_4TX

2412MHz

PSD

01/07/2022



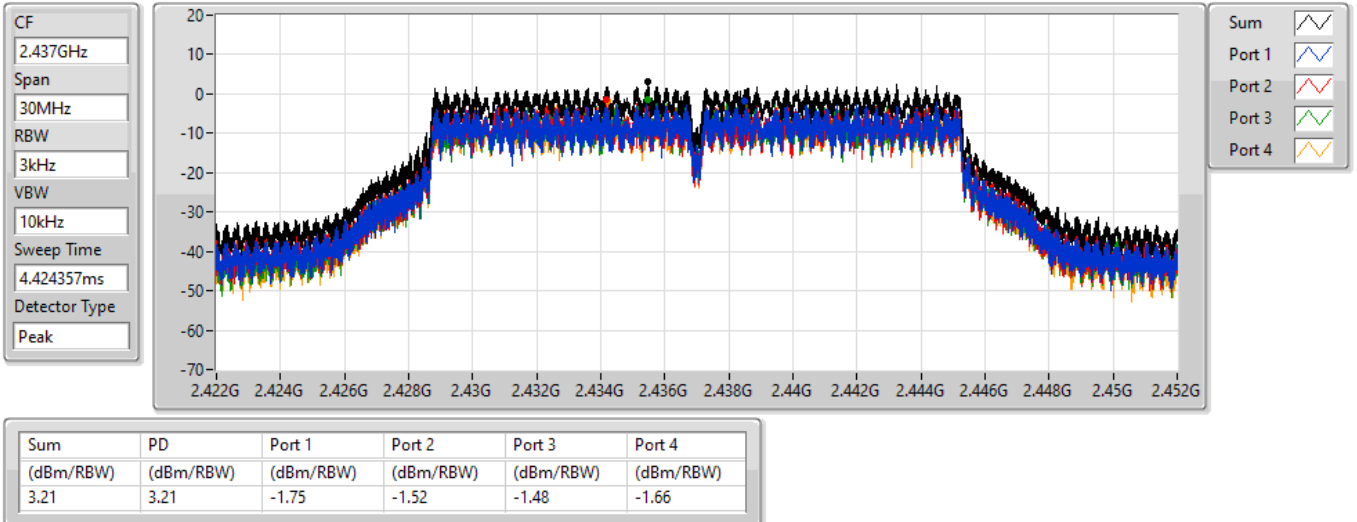
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.07	-2.07	-6.17	-5.29	-5.62	-5.44

802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

01/07/2022

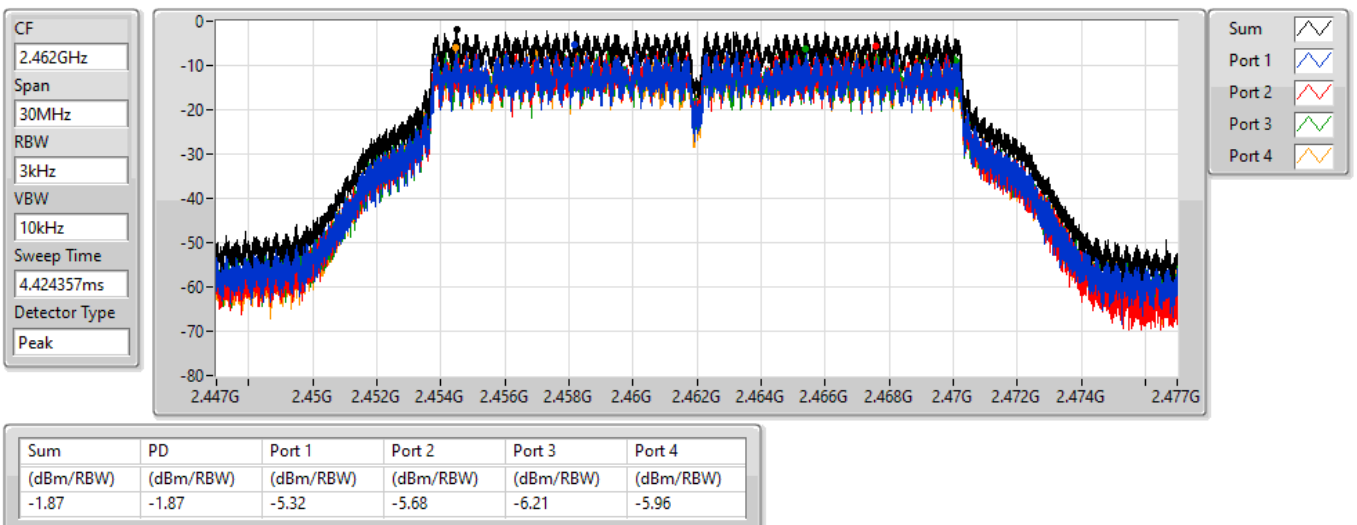


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

01/07/2022

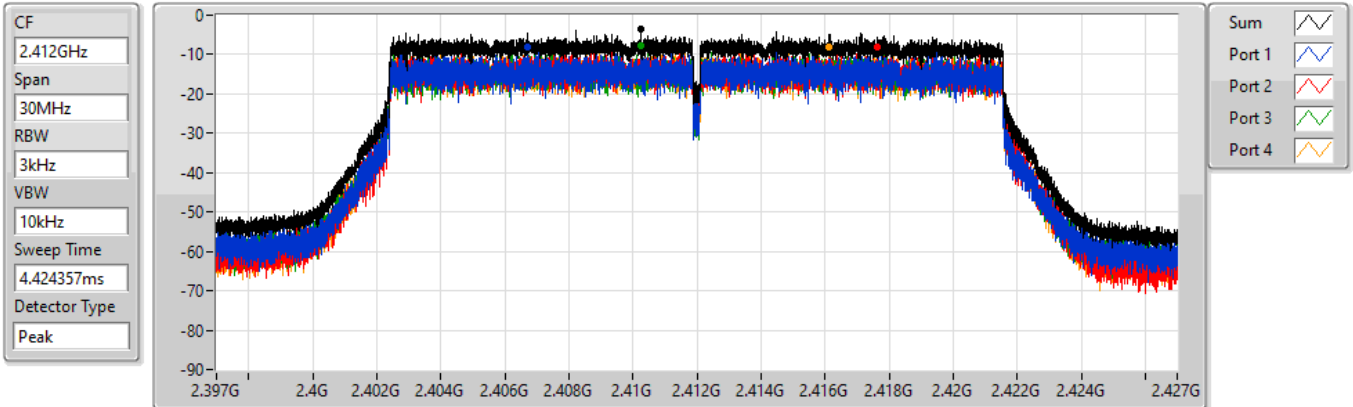


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

01/07/2022



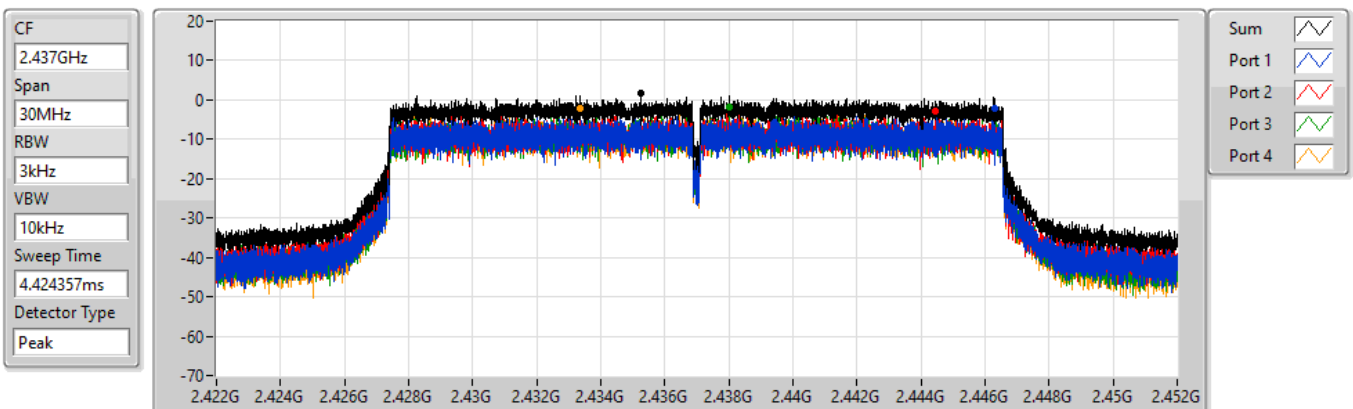
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.38	-3.38	-7.99	-8.11	-7.77	-8.26

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

01/07/2022



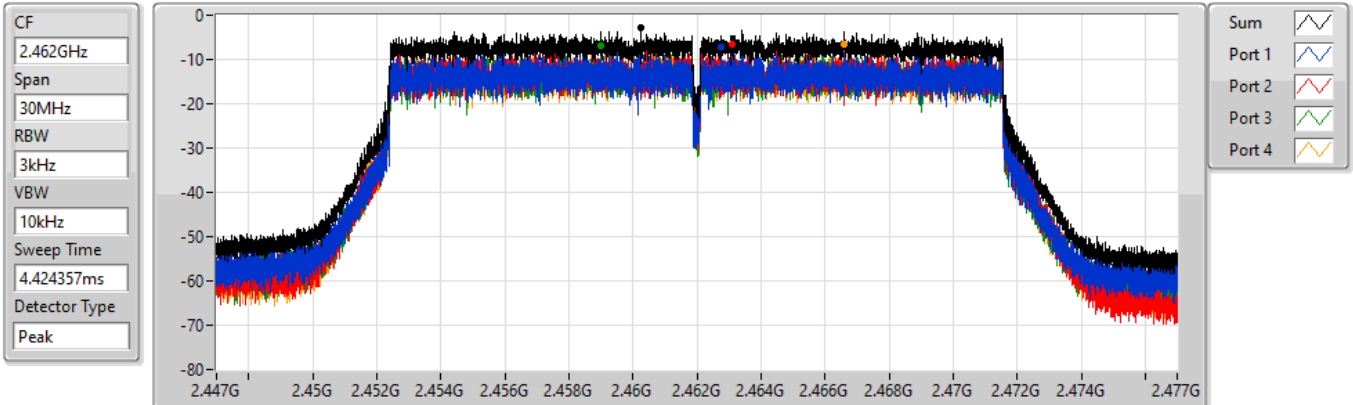
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.89	1.89	-2.13	-2.73	-1.92	-2.27

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

01/07/2022



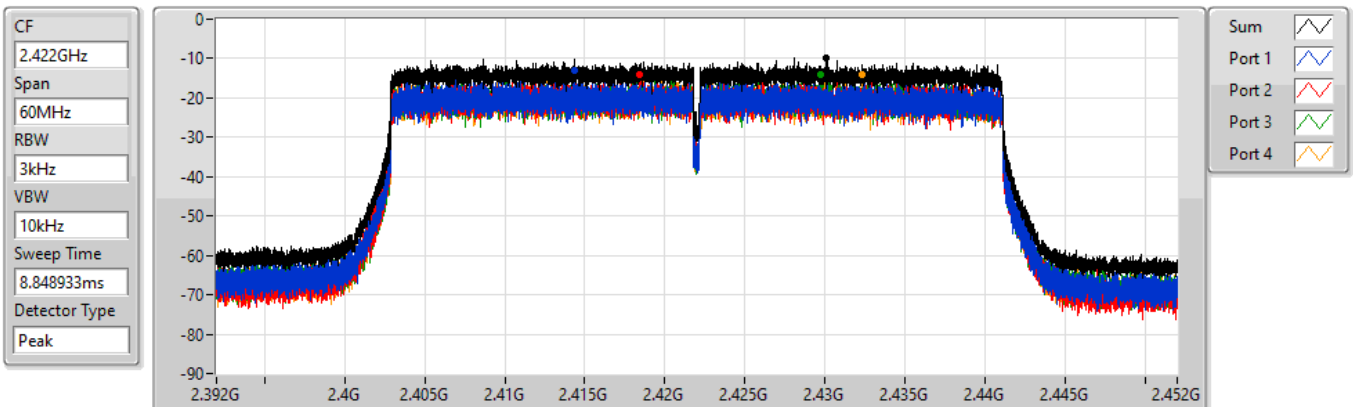
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.93	-2.93	-7.13	-6.68	-6.77	-6.60

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

01/07/2022



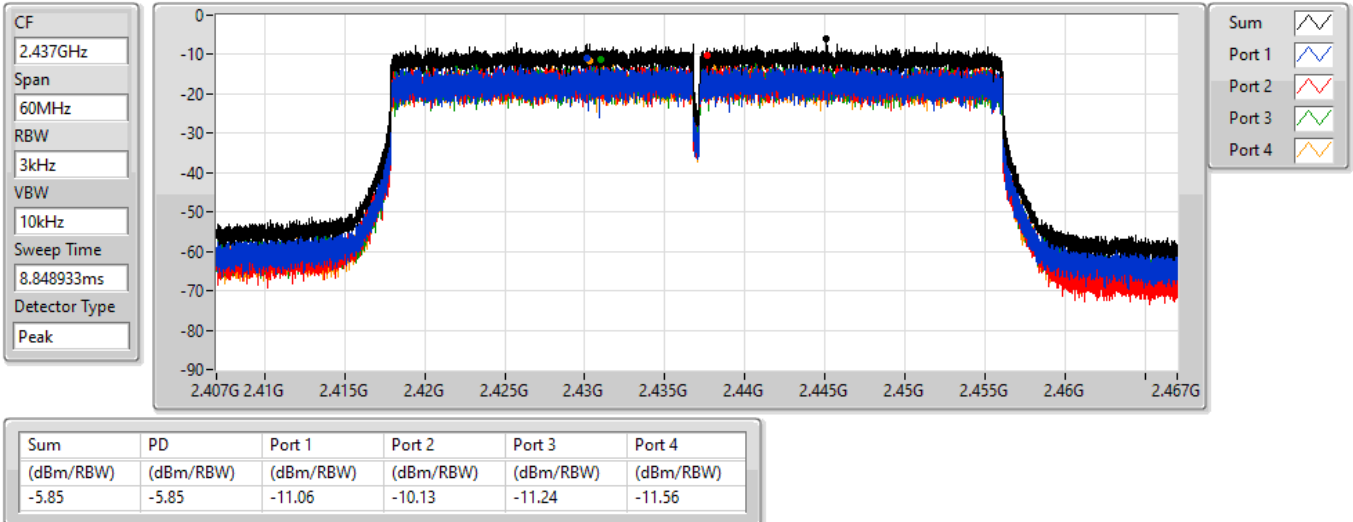
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.71	-9.71	-13.10	-13.92	-14.03	-14.09

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

01/07/2022

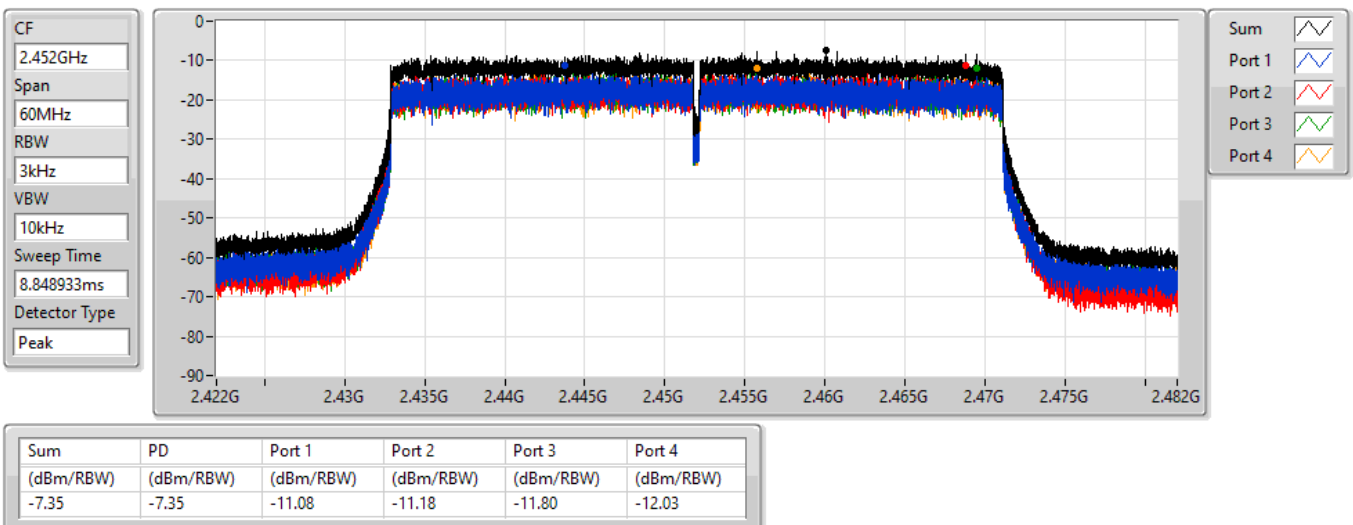


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

01/07/2022



For beamforming mode:

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	1.85
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-5.20

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.01	-6.48	-7.58	-7.48	-7.30	-2.65	8.00
2437MHz	Pass	5.01	-1.89	-1.47	-2.88	-2.39	1.85	8.00
2462MHz	Pass	5.01	-7.87	-7.46	-7.88	-7.70	-3.24	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.01	-13.54	-13.79	-13.41	-13.83	-9.08	8.00
2437MHz	Pass	5.01	-9.85	-9.69	-9.19	-10.11	-5.20	8.00
2452MHz	Pass	5.01	-10.70	-10.09	-10.17	-10.38	-5.59	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;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

01/07/2022



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

01/07/2022

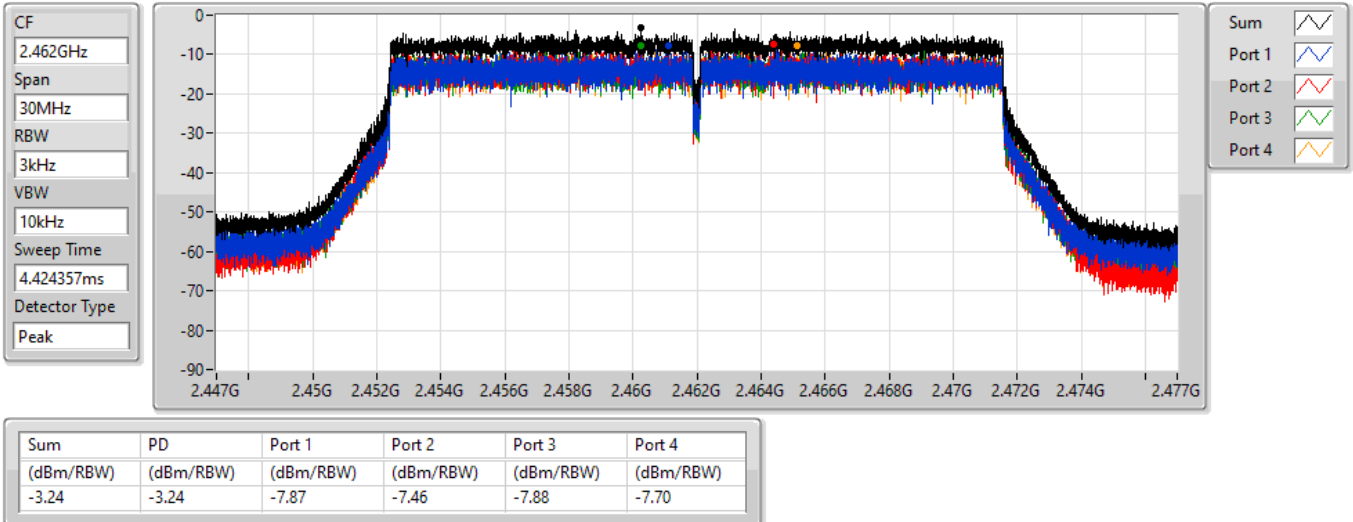


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

01/07/2022

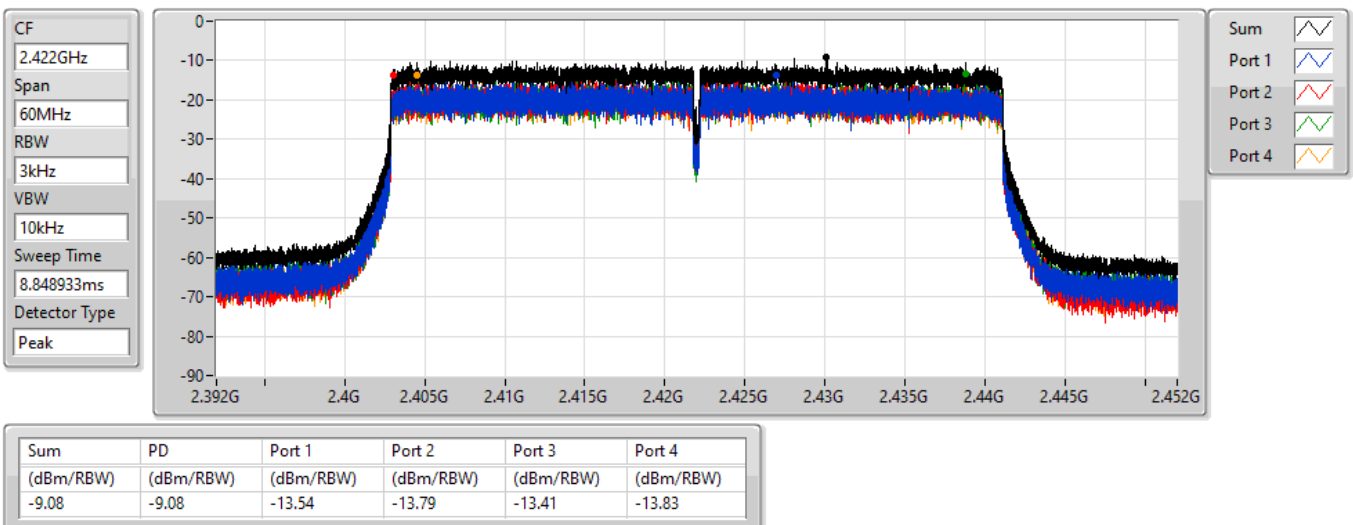


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

01/07/2022

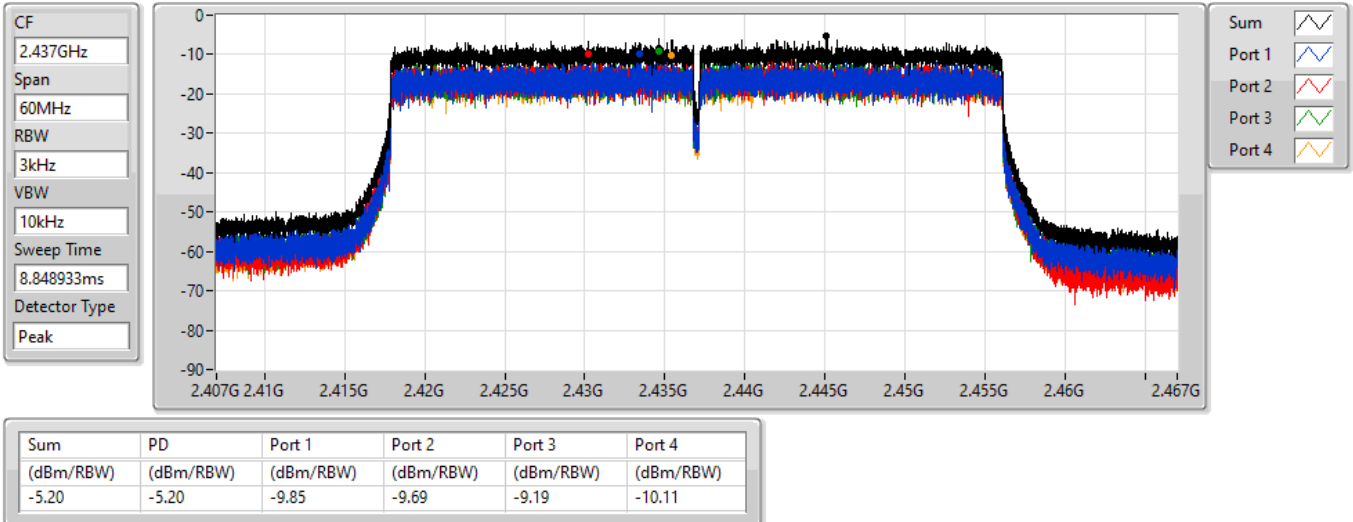


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

01/07/2022

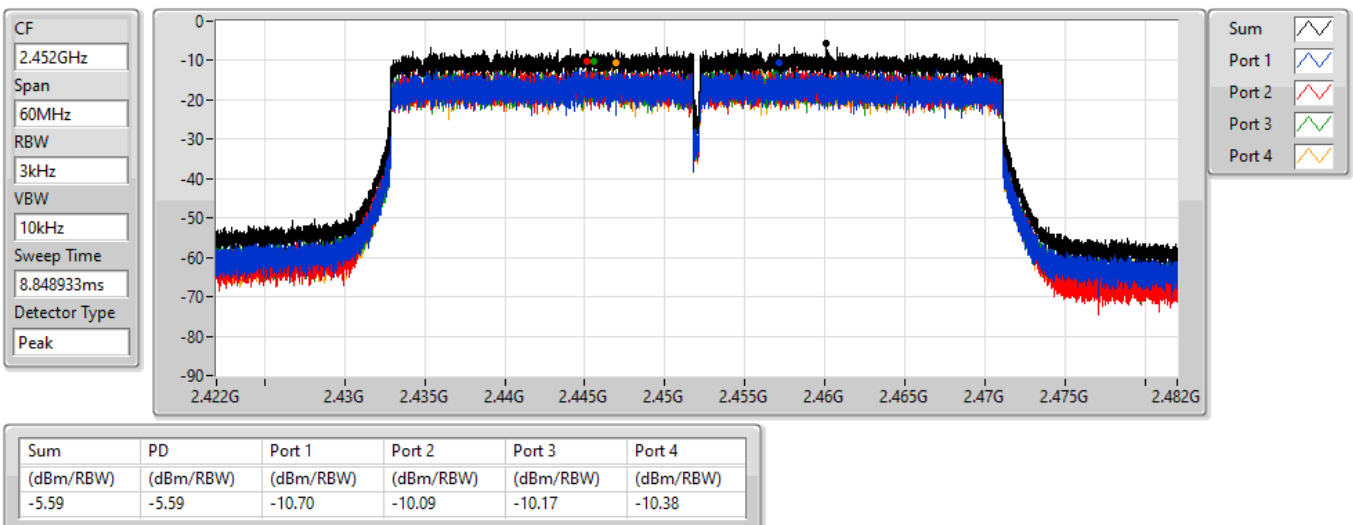


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

01/07/2022



For non-beamforming mode:

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)_4TX	Pass	2.43649G	16.58	-13.42	2.19952G	-49.34	2.39798G	-37.63	2.4G	-45.60	2.48406G	-47.58	7.23514G	-29.15	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43198G	13.07	-16.93	2.08273G	-50.44	2.39986G	-27.13	2.4G	-33.20	2.48558G	-49.63	7.24357G	-37.86	3
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.44451G	12.78	-17.22	2.18059G	-51.65	2.39954G	-35.71	2.4G	-35.44	2.52G	-49.41	7.22671G	-40.79	3
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.44196G	4.05	-25.95	2.11934G	-51.89	2.39952G	-39.93	2.4G	-46.35	2.48454G	-47.72	17.02943G	-42.96	3

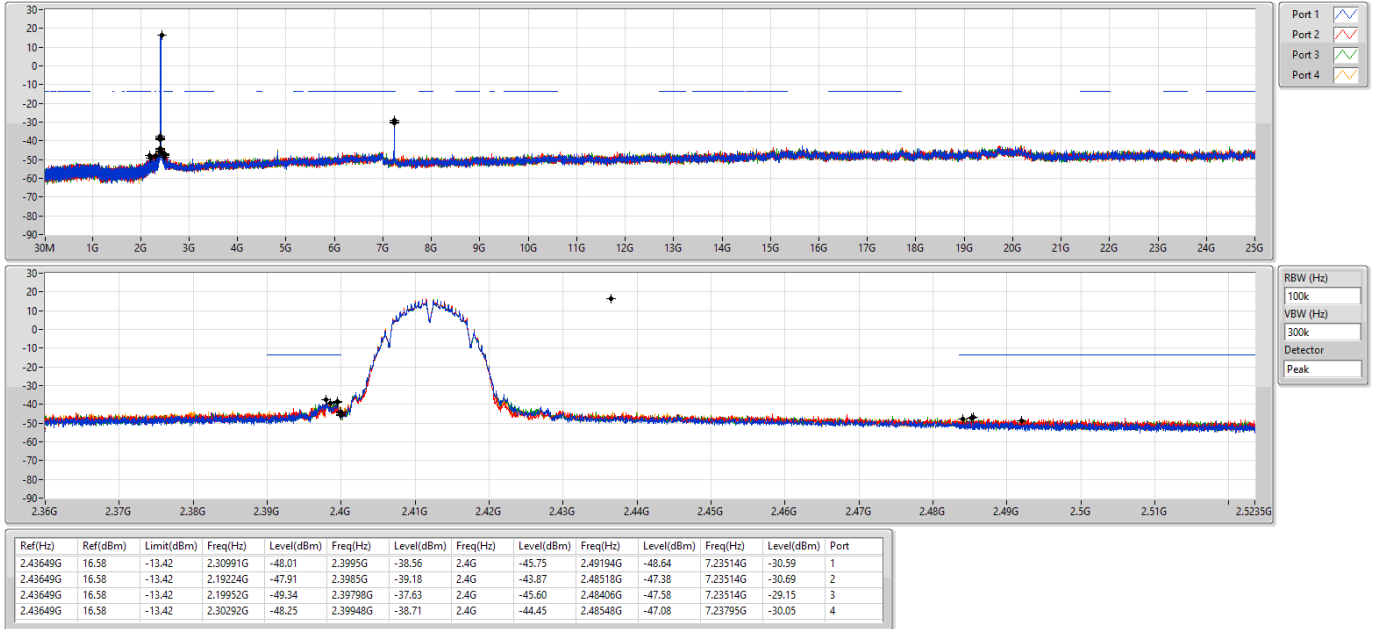
Result

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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	16.58	-13.42	2.30991G	-48.01	2.3995G	-38.56	2.4G	-45.75	2.49194G	-48.64	7.23514G	-30.59	1
2412MHz	Pass	2.43649G	16.58	-13.42	2.19224G	-47.91	2.3985G	-39.18	2.4G	-43.87	2.48518G	-47.38	7.23514G	-30.69	2
2412MHz	Pass	2.43649G	16.58	-13.42	2.19952G	-49.34	2.39798G	-37.63	2.4G	-45.60	2.48406G	-47.58	7.23514G	-29.15	3
2412MHz	Pass	2.43649G	16.58	-13.42	2.30292G	-48.25	2.39948G	-38.71	2.4G	-44.45	2.48548G	-47.08	7.23795G	-30.05	4
2437MHz	Pass	2.43649G	16.58	-13.42	2.3067G	-50.79	2.39152G	-45.25	2.4G	-46.50	2.49262G	-46.43	24.98876G	-44.12	1
2437MHz	Pass	2.43649G	16.58	-13.42	2.12962G	-48.84	2.39984G	-44.25	2.4G	-47.07	2.4835G	-45.21	24.20208G	-44.53	2
2437MHz	Pass	2.43649G	16.58	-13.42	2.30466G	-50.54	2.39906G	-45.03	2.4G	-48.07	2.48434G	-45.79	23.44912G	-43.24	3
2437MHz	Pass	2.43649G	16.58	-13.42	2.3067G	-49.08	2.39082G	-44.49	2.4G	-46.86	2.48832G	-46.43	23.45755G	-43.11	4
2462MHz	Pass	2.43649G	16.58	-13.42	2.30059G	-49.50	2.39978G	-46.23	2.4835G	-47.59	2.48922G	-44.74	17.44509G	-43.46	1
2462MHz	Pass	2.43649G	16.58	-13.42	2.30525G	-48.57	2.398G	-46.74	2.4835G	-47.35	2.48386G	-44.55	24.79209G	-43.12	2
2462MHz	Pass	2.43649G	16.58	-13.42	2.30758G	-50.15	2.39796G	-47.34	2.4835G	-46.44	2.48472G	-44.49	23.46317G	-43.89	3
2462MHz	Pass	2.43649G	16.58	-13.42	2.30758G	-49.18	2.39634G	-46.65	2.4835G	-47.84	2.49086G	-43.24	15.33511G	-44.00	4
802.11g_Nss1(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	13.07	-16.93	2.30233G	-51.65	2.3986G	-30.32	2.4G	-33.33	2.49286G	-49.38	7.23514G	-37.66	1
2412MHz	Pass	2.43198G	13.07	-16.93	2.3G	-50.76	2.39668G	-30.12	2.4G	-35.18	2.48676G	-48.94	7.23514G	-38.31	2
2412MHz	Pass	2.43198G	13.07	-16.93	2.08273G	-50.44	2.39986G	-27.13	2.4G	-33.20	2.48558G	-49.63	7.24357G	-37.86	3
2412MHz	Pass	2.43198G	13.07	-16.93	2.30641G	-50.47	2.39924G	-28.98	2.4G	-36.75	2.49142G	-48.98	7.23514G	-39.38	4
2437MHz	Pass	2.43198G	13.07	-16.93	2.30262G	-49.27	2.39822G	-41.35	2.4G	-46.31	2.48946G	-46.69	16.7146G	-43.98	1
2437MHz	Pass	2.43198G	13.07	-16.93	2.30466G	-48.77	2.39912G	-41.16	2.4G	-42.53	2.48532G	-45.84	24.09532G	-43.90	2
2437MHz	Pass	2.43198G	13.07	-16.93	2.12671G	-50.13	2.39562G	-44.47	2.4G	-47.68	2.48872G	-46.32	17.05175G	-44.21	3
2437MHz	Pass	2.43198G	13.07	-16.93	2.30525G	-48.27	2.39862G	-43.24	2.4G	-46.04	2.48916G	-45.13	23.44631G	-44.55	4
2462MHz	Pass	2.43198G	13.07	-16.93	851.91M	-51.49	2.3983G	-49.40	2.4835G	-48.34	2.4842G	-46.05	23.53903G	-44.32	1
2462MHz	Pass	2.43198G	13.07	-16.93	2.30874G	-51.27	2.395G	-48.63	2.4835G	-47.54	2.48514G	-42.21	24.89043G	-44.65	2
2462MHz	Pass	2.43198G	13.07	-16.93	2.10137G	-51.49	2.39686G	-48.88	2.4835G	-46.06	2.4876G	-44.35	23.18783G	-43.93	3
2462MHz	Pass	2.43198G	13.07	-16.93	2.30816G	-51.72	2.39262G	-49.06	2.4835G	-48.49	2.48478G	-42.14	24.92133G	-44.40	4
802.11ax HEW20_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	12.78	-17.22	2.30991G	-51.55	2.39942G	-35.69	2.4G	-36.65	2.48908G	-49.66	7.24076G	-40.81	1
2412MHz	Pass	2.44451G	12.78	-17.22	2.30991G	-51.38	2.3978G	-36.88	2.4G	-37.44	2.50724G	-49.44	7.23233G	-38.61	2
2412MHz	Pass	2.44451G	12.78	-17.22	2.18059G	-51.65	2.39954G	-35.71	2.4G	-35.44	2.52G	-49.41	7.22671G	-40.79	3
2412MHz	Pass	2.44451G	12.78	-17.22	2.13661G	-50.37	2.39996G	-37.51	2.4G	-35.92	2.5149G	-49.85	7.23233G	-41.80	4
2437MHz	Pass	2.44451G	12.78	-17.22	2.30554G	-50.15	2.39846G	-40.41	2.4G	-43.01	2.48806G	-46.73	17.25404G	-44.54	1
2437MHz	Pass	2.44451G	12.78	-17.22	2.30117G	-48.66	2.39912G	-39.69	2.4G	-42.64	2.48496G	-44.23	15.0401G	-44.27	2
2437MHz	Pass	2.44451G	12.78	-17.22	2.30699G	-50.30	2.39954G	-41.17	2.4G	-45.00	2.48722G	-46.36	15.06258G	-42.89	3
2437MHz	Pass	2.44451G	12.78	-17.22	2.17185G	-50.21	2.39842G	-42.65	2.4G	-45.07	2.48698G	-42.82	24.83985G	-43.52	4
2462MHz	Pass	2.44451G	12.78	-17.22	2.14506G	-51.33	2.39712G	-49.52	2.4835G	-45.26	2.4838G	-42.45	23.28336G	-44.48	1
2462MHz	Pass	2.44451G	12.78	-17.22	1.99419G	-51.70	2.39472G	-48.74	2.4835G	-49.99	2.48532G	-43.48	23.46036G	-43.97	2
2462MHz	Pass	2.44451G	12.78	-17.22	2.10516G	-51.82	2.39862G	-49.65	2.4835G	-44.41	2.48414G	-44.62	15.33511G	-43.35	3
2462MHz	Pass	2.44451G	12.78	-17.22	899.09M	-51.54	2.39862G	-48.79	2.4835G	-47.39	2.48426G	-43.23	24.85671G	-44.48	4
802.11ax HEW40_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44196G	4.05	-25.95	947.72M	-50.95	2.4G	-41.84	2.4G	-43.62	2.55858G	-50.36	24.16704G	-44.51	1
2422MHz	Pass	2.44196G	4.05	-25.95	751.35M	-51.98	2.39968G	-43.06	2.4G	-44.37	2.5369G	-49.71	24.82612G	-42.78	2
2422MHz	Pass	2.44196G	4.05	-25.95	864.99M	-51.10	2.39992G	-41.92	2.4G	-43.81	2.48822G	-50.11	17.69131G	-43.69	3
2422MHz	Pass	2.44196G	4.05	-25.95	2.19491G	-51.87	2.39992G	-44.98	2.4G	-46.00	2.5167G	-50.01	23.45749G	-43.83	4
2437MHz	Pass	2.44196G	4.05	-25.95	2.30082G	-51.25	2.39956G	-40.91	2.4G	-43.04	2.48518G	-48.29	17.5595G	-44.06	1
2437MHz	Pass	2.44196G	4.05	-25.95	2.30597G	-51.23	2.398G	-43.03	2.4G	-44.37	2.48578G	-48.50	15.041G	-43.53	2
2437MHz	Pass	2.44196G	4.05	-25.95	2.11934G	-51.89	2.39952G	-39.93	2.4G	-46.35	2.48454G	-47.72	17.02943G	-42.96	3
2437MHz	Pass	2.44196G	4.05	-25.95	2.3034G	-51.00	2.39952G	-40.72	2.4G	-45.25	2.4839G	-48.48	15.06344G	-44.40	4
2452MHz	Pass	2.44196G	4.05	-25.95	893.9M	-51.39	2.39524G	-48.42	2.4835G	-47.68	2.48826G	-44.26	17.33513G	-44.15	1
2452MHz	Pass	2.44196G	4.05	-25.95	2.12363G	-51.32	2.3992G	-48.89	2.4835G	-50.73	2.49498G	-47.72	23.15179G	-43.52	2
2452MHz	Pass	2.44196G	4.05	-25.95	892.47M	-50.82	2.39992G	-48.20	2.4835G	-47.11	2.48946G	-45.33	24.17546G	-44.14	3
2452MHz	Pass	2.44196G	4.05	-25.95	2.00169G	-51.97	2.39868G	-48.01	2.4835G	-48.15	2.4845G	-45.39	16.60594G	-44.14	4

802.11b_Nss1,(1Mbps)_4TX

CSENdB

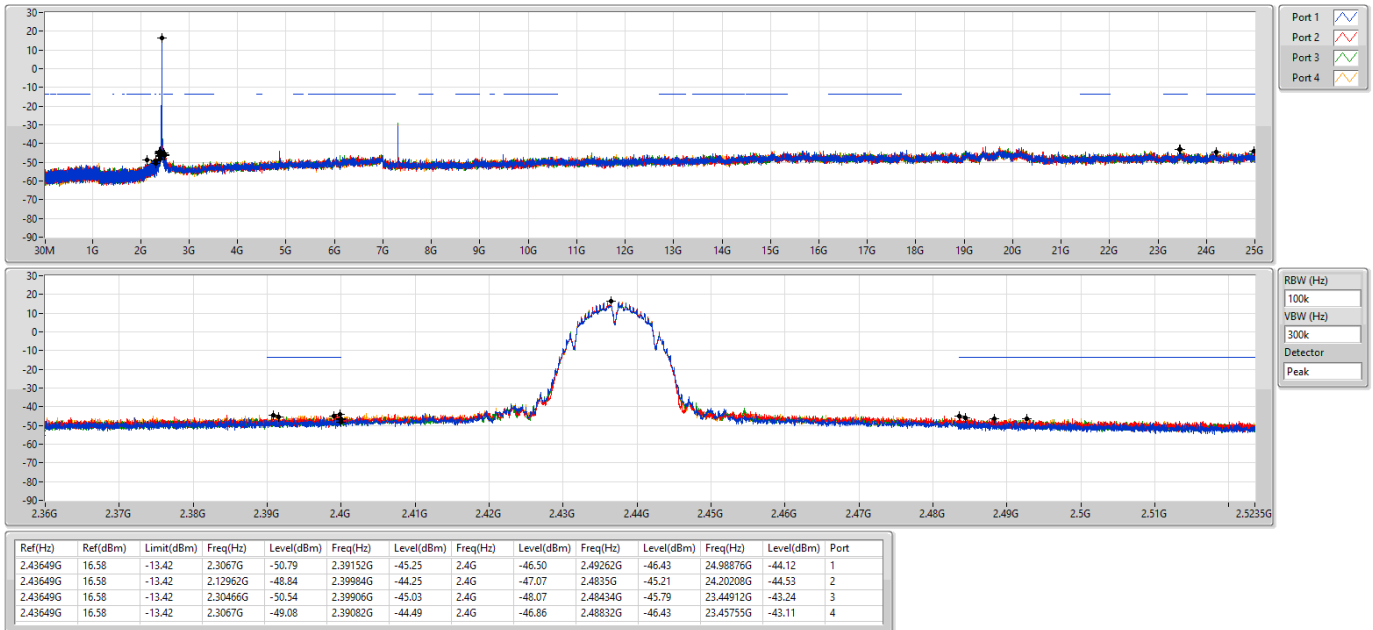
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSENdB

2437MHz

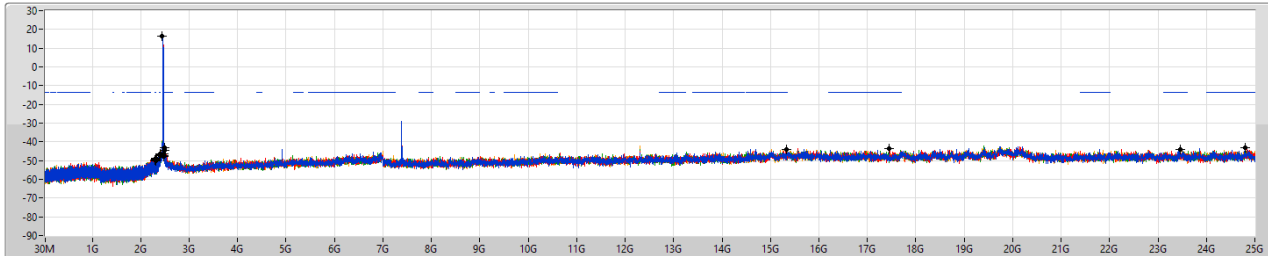


802.11b_Nss1,(1Mbps)_4TX

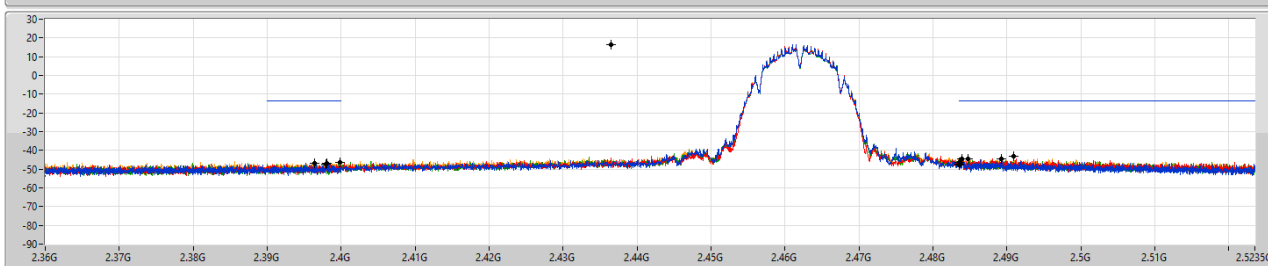
CSENdB

2462MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

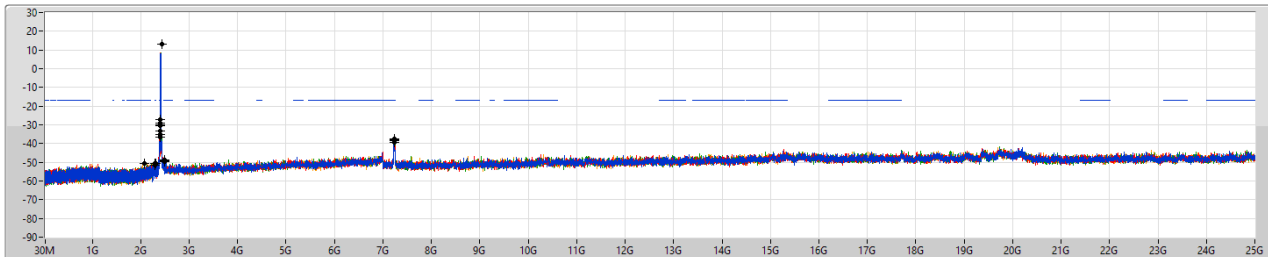
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	16.58	-13.42	2.30059G	-49.50	2.39978G	-46.23	2.4835G	-47.59	2.48922G	-44.74	17.44509G	-43.46	1
2.43649G	16.58	-13.42	2.30525G	-48.57	2.398G	-46.74	2.4835G	-47.35	2.48386G	-44.55	24.79209G	-43.12	2
2.43649G	16.58	-13.42	2.30758G	-50.15	2.39796G	-47.34	2.4835G	-46.44	2.48472G	-44.49	23.46317G	-43.89	3
2.43649G	16.58	-13.42	2.30758G	-49.18	2.39634G	-46.65	2.4835G	-47.84	2.49086G	-43.24	15.33511G	-44.00	4

802.11g_Nss1,(6Mbps)_4TX

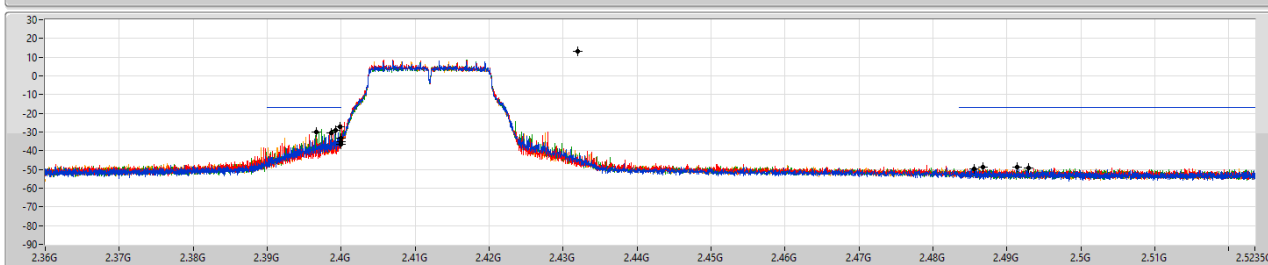
CSENdB

2412MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

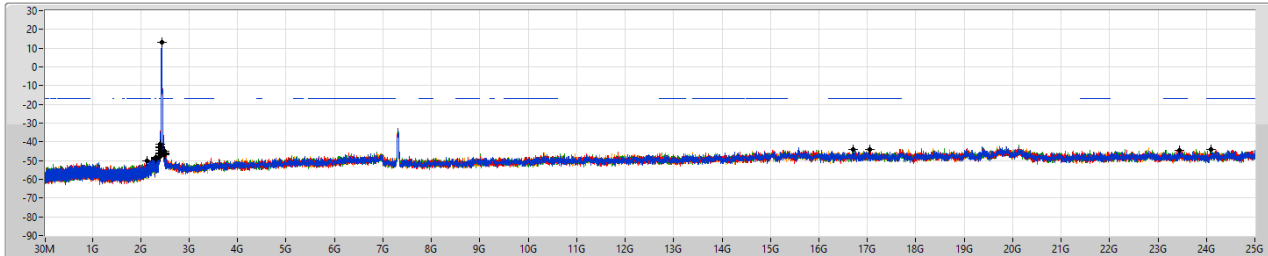
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	13.07	-16.93	2.30233G	-51.65	2.3986G	-30.32	2.4G	-33.33	2.49286G	-49.38	7.23514G	-37.66	1
2.43198G	13.07	-16.93	2.3G	-50.76	2.39668G	-30.12	2.4G	-35.18	2.48676G	-48.94	7.23514G	-38.31	2
2.43198G	13.07	-16.93	2.08279G	-50.44	2.39886G	-27.13	2.4G	-33.20	2.48558G	-49.63	7.24357G	-37.86	3
2.43198G	13.07	-16.93	2.30641G	-50.47	2.39924G	-28.98	2.4G	-36.75	2.49142G	-48.98	7.23514G	-39.38	4

802.11g_Nss1,(6Mbps)_4TX

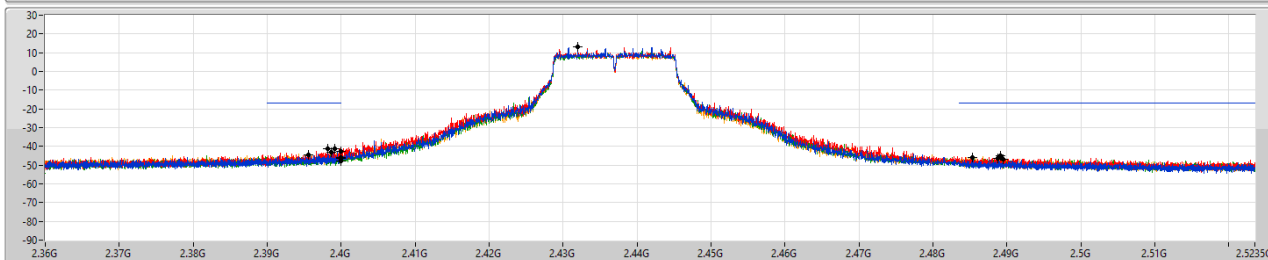
2437MHz

CSENdB

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

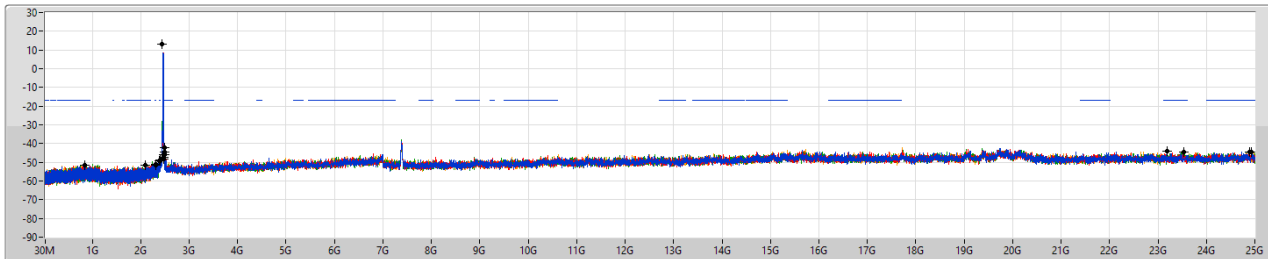
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	13.07	-16.93	2.30262G	-49.27	2.39822G	-41.35	2.4G	-46.31	2.48946G	-46.69	16.7146G	-43.98	1
2.43198G	13.07	-16.93	2.30466G	-48.77	2.39912G	-41.16	2.4G	-42.53	2.48532G	-45.84	24.09532G	-43.90	2
2.43198G	13.07	-16.93	2.12671G	-50.13	2.39562G	-44.47	2.4G	-47.68	2.48872G	-46.32	17.05175G	-44.21	3
2.43198G	13.07	-16.93	2.30525G	-48.27	2.39862G	-43.24	2.4G	-46.04	2.48916G	-45.13	23.44631G	-44.55	4

802.11g_Nss1,(6Mbps)_4TX

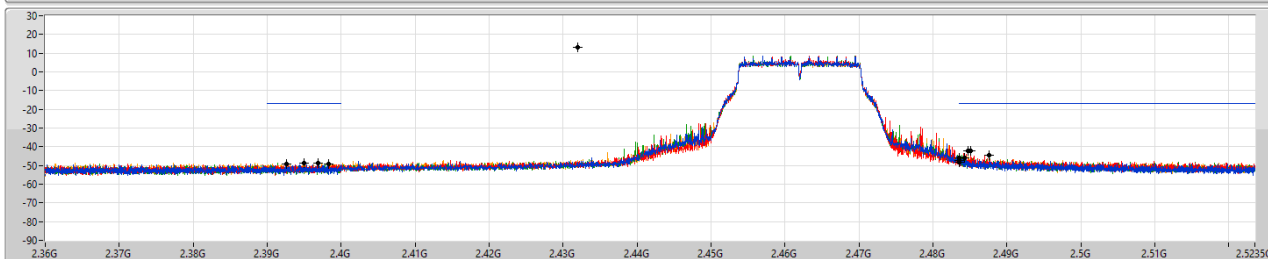
2462MHz

CSENdB

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

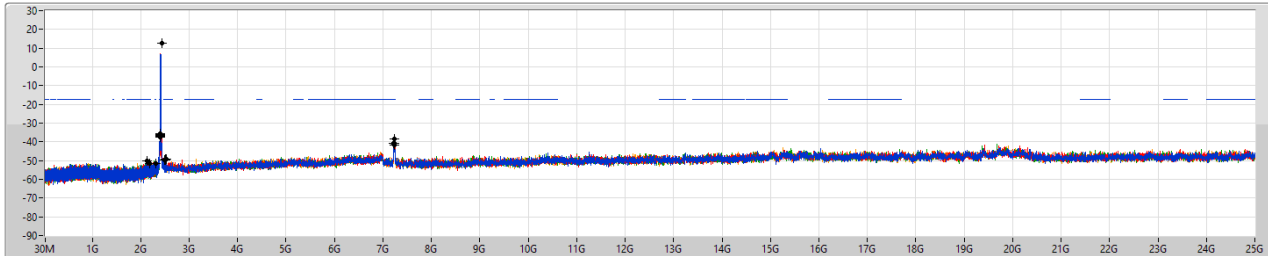
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	13.07	-16.93	851.91M	-51.49	2.3983G	-49.40	2.4835G	-48.34	2.4842G	-46.05	23.53903G	-44.32	1
2.43198G	13.07	-16.93	2.30874G	-51.27	2.3956G	-48.63	2.4835G	-47.54	2.48514G	-42.21	24.89043G	-44.65	2
2.43198G	13.07	-16.93	2.10137G	-51.49	2.39686G	-48.88	2.4835G	-46.06	2.4876G	-44.35	23.18783G	-43.93	3
2.43198G	13.07	-16.93	2.30816G	-51.72	2.39262G	-49.06	2.4835G	-48.49	2.48478G	-42.14	24.92133G	-44.40	4

802.11ax HEW20_Nss1,(MCS0)_4TX

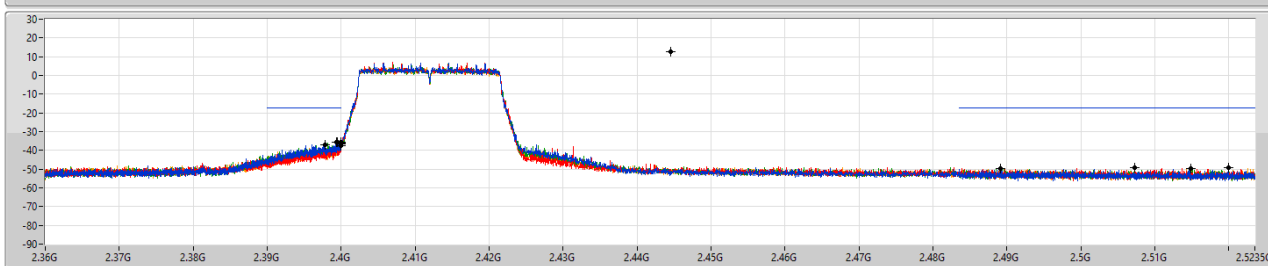
CSENdB

2412MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

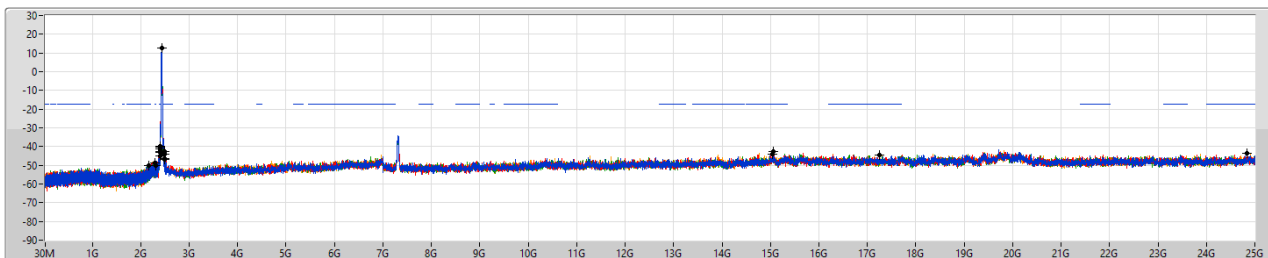
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	12.78	-17.22	2.30991G	-51.55	2.39942G	-35.69	2.4G	-36.65	2.48908G	-49.66	7.24076G	-40.81	1
2.44451G	12.78	-17.22	2.30991G	-51.38	2.3978G	-36.88	2.4G	-37.44	2.50724G	-49.44	7.23233G	-38.61	2
2.44451G	12.78	-17.22	2.18059G	-51.65	2.39954G	-35.71	2.4G	-35.44	2.52G	-49.41	7.22671G	-40.79	3
2.44451G	12.78	-17.22	2.13661G	-50.37	2.39996G	-37.51	2.4G	-35.92	2.5149G	-49.85	7.23233G	-41.80	4

802.11ax HEW20_Nss1,(MCS0)_4TX

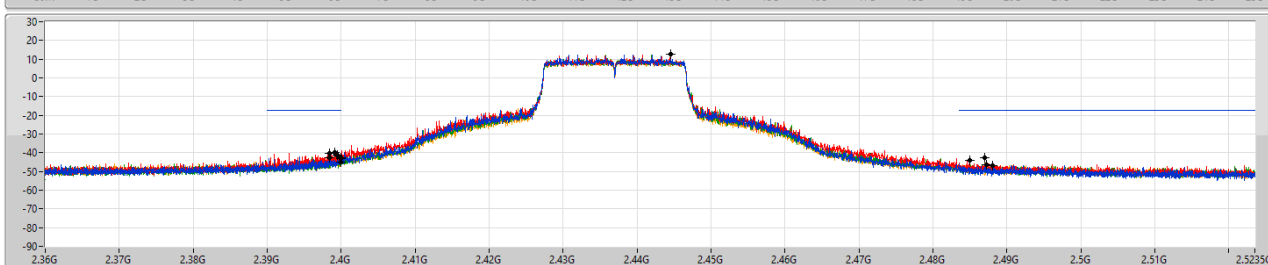
CSENdB

2437MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

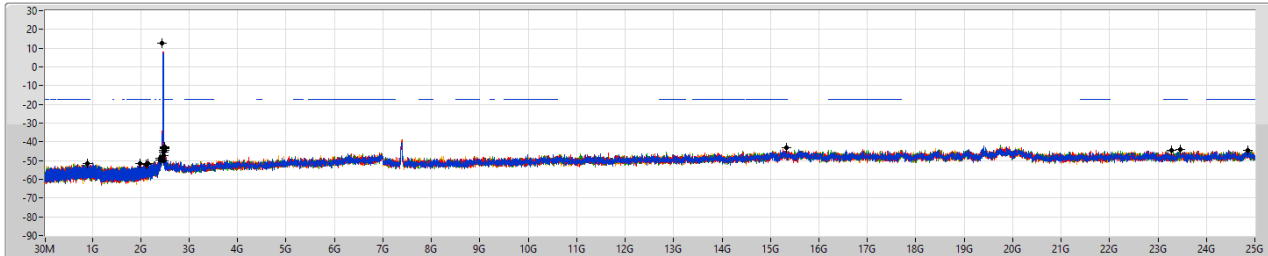
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	12.78	-17.22	2.30554G	-50.15	2.39846G	-40.41	2.4G	-43.01	2.48806G	-46.73	17.25404G	-44.54	1
2.44451G	12.78	-17.22	2.30117G	-48.66	2.39912G	-39.69	2.4G	-42.64	2.48496G	-44.23	15.0401G	-44.27	2
2.44451G	12.78	-17.22	2.30699G	-50.30	2.39954G	-41.17	2.4G	-45.00	2.48722G	-46.36	15.06358G	-42.89	3
2.44451G	12.78	-17.22	2.17185G	-50.21	2.39842G	-42.65	2.4G	-45.07	2.48698G	-42.82	24.83985G	-43.52	4

802.11ax HEW20_Nss1,(MCS0)_4TX

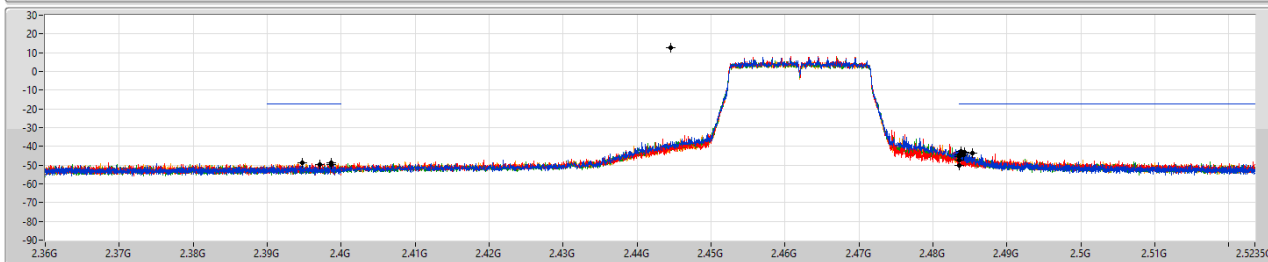
CSENdB

2462MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

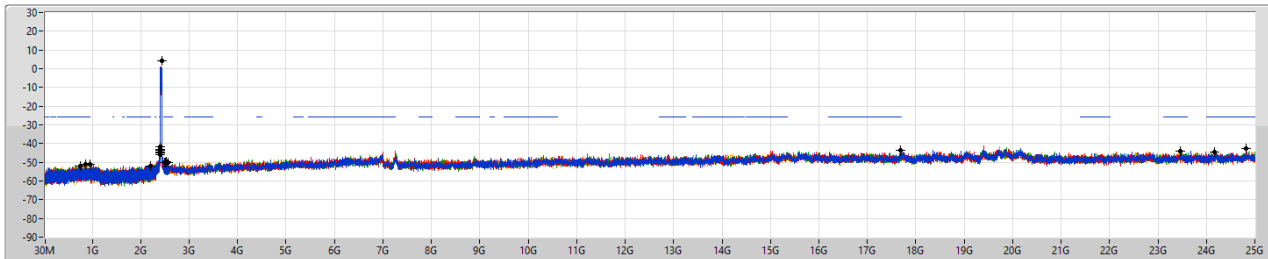
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	12.78	-17.22	2.14506G	-51.33	2.39712G	-49.52	2.4835G	-45.26	2.4838G	-42.45	23.28336G	-44.48	1
2.44451G	12.78	-17.22	1.99419G	-51.70	2.39472G	-48.74	2.4835G	-49.99	2.48532G	-43.48	23.46036G	-43.97	2
2.44451G	12.78	-17.22	2.10516G	-51.82	2.39862G	-49.65	2.4835G	-44.41	2.48414G	-44.62	15.33511G	-43.35	3
2.44451G	12.78	-17.22	899.09M	-51.54	2.39862G	-48.79	2.4835G	-47.39	2.48426G	-43.23	24.85671G	-44.48	4

802.11ax HEW40_Nss1,(MCS0)_4TX

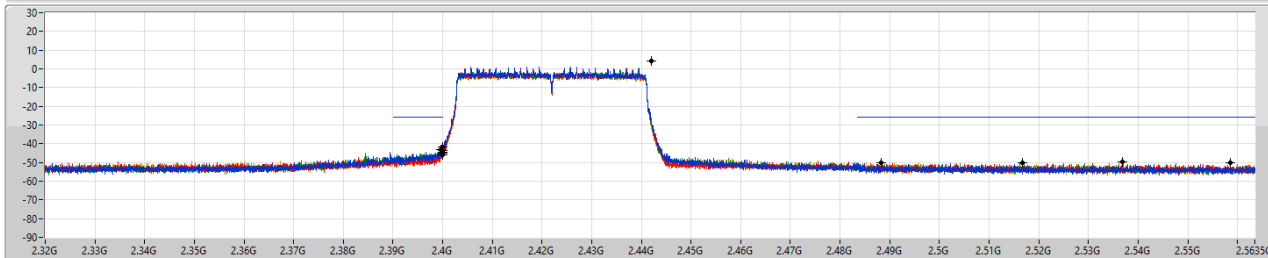
CSENdB

2422MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

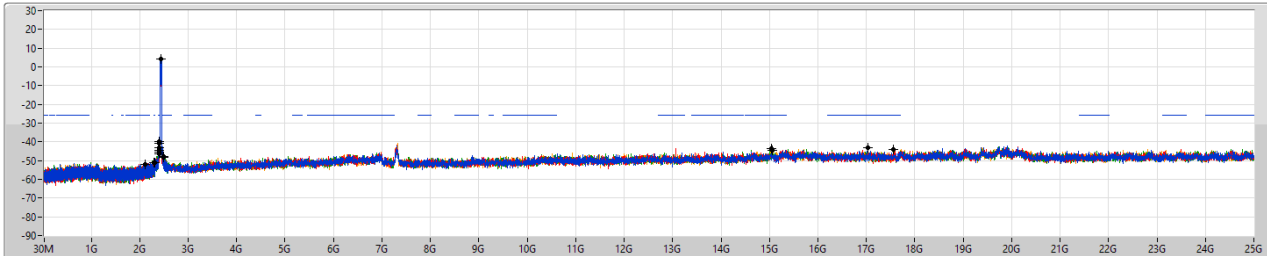
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	4.05	-25.95	947.72M	-50.95	2.4G	-41.84	2.4G	-43.62	2.55858G	-50.36	24.16704G	-44.51	1
2.44196G	4.05	-25.95	751.35M	-51.98	2.39968G	-43.06	2.4G	-44.37	2.5369G	-49.71	24.82612G	-42.78	2
2.44196G	4.05	-25.95	864.99M	-51.10	2.39992G	-41.92	2.4G	-43.81	2.48822G	-50.11	17.89131G	-43.69	3
2.44196G	4.05	-25.95	2.19491G	-51.87	2.39992G	-44.98	2.4G	-46.00	2.5167G	-50.01	23.45749G	-43.83	4

802.11ax HEW40_Nss1,(MCS0)_4TX

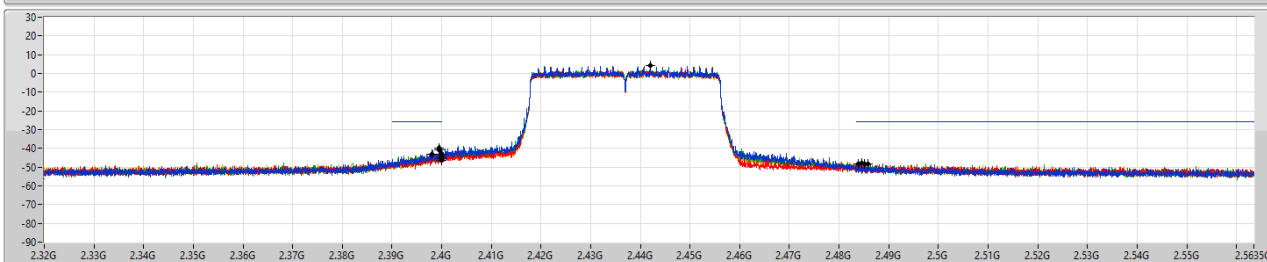
CSENdB

2437MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

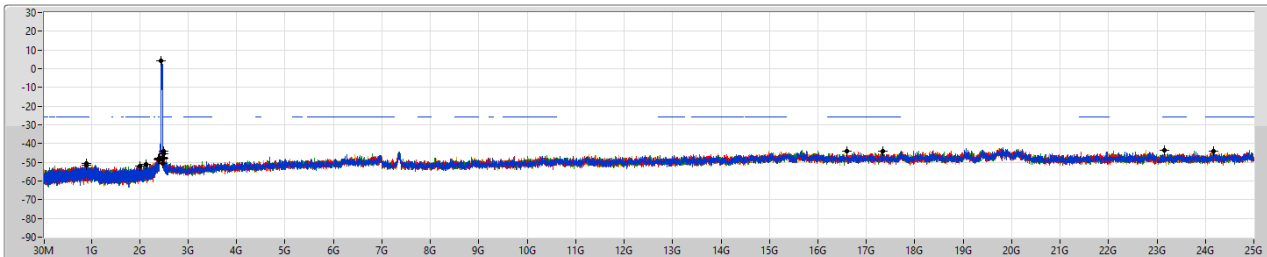
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	4.05	-25.95	2.30082G	-51.25	2.39956G	-40.91	2.4G	-43.04	2.48518G	-48.29	17.5595G	-44.06	1
2.44196G	4.05	-25.95	2.30597G	-51.23	2.398G	-43.03	2.4G	-44.37	2.48578G	-48.50	15.041G	-43.53	2
2.44196G	4.05	-25.95	2.11934G	-51.89	2.39952G	-39.93	2.4G	-46.35	2.48454G	-47.72	17.02943G	-42.96	3
2.44196G	4.05	-25.95	2.3034G	-51.00	2.39952G	-40.72	2.4G	-45.25	2.4839G	-48.48	15.06344G	-44.40	4

802.11ax HEW40_Nss1,(MCS0)_4TX

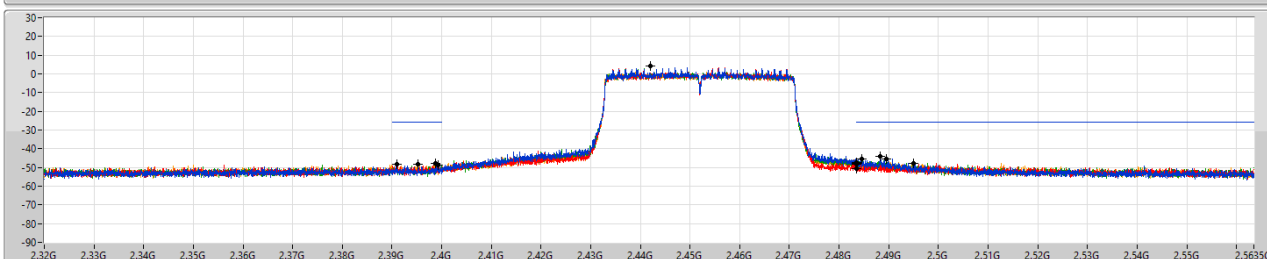
CSENdB

2452MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.44196G	4.05	-25.95	893.9M	-51.39	2.39534G	-48.42	2.4835G	-47.68	2.48026G	-44.26	17.33513G	-44.15	1
2.44196G	4.05	-25.95	2.12363G	-51.32	2.3982G	-48.89	2.4835G	-50.73	2.48498G	-47.72	23.15179G	-43.52	2
2.44196G	4.05	-25.95	892.47M	-50.82	2.39892G	-48.20	2.4835G	-47.11	2.48946G	-45.33	24.17546G	-44.14	3
2.44196G	4.05	-25.95	2.00169G	-51.97	2.39868G	-48.01	2.4835G	-48.15	2.4845G	-45.39	16.60594G	-44.14	4



For beamforming mode:

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.43198G	12.71	-17.29	2.30204G	-51.08	2.39938G	-33.95	2.4G	-35.06	2.4913G	-49.43	7.23795G	-38.62	1
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.442G	4.62	-25.38	2.30139G	-50.39	2.39824G	-39.19	2.4G	-44.08	2.48458G	-47.81	23.4603G	-44.60	1

Result

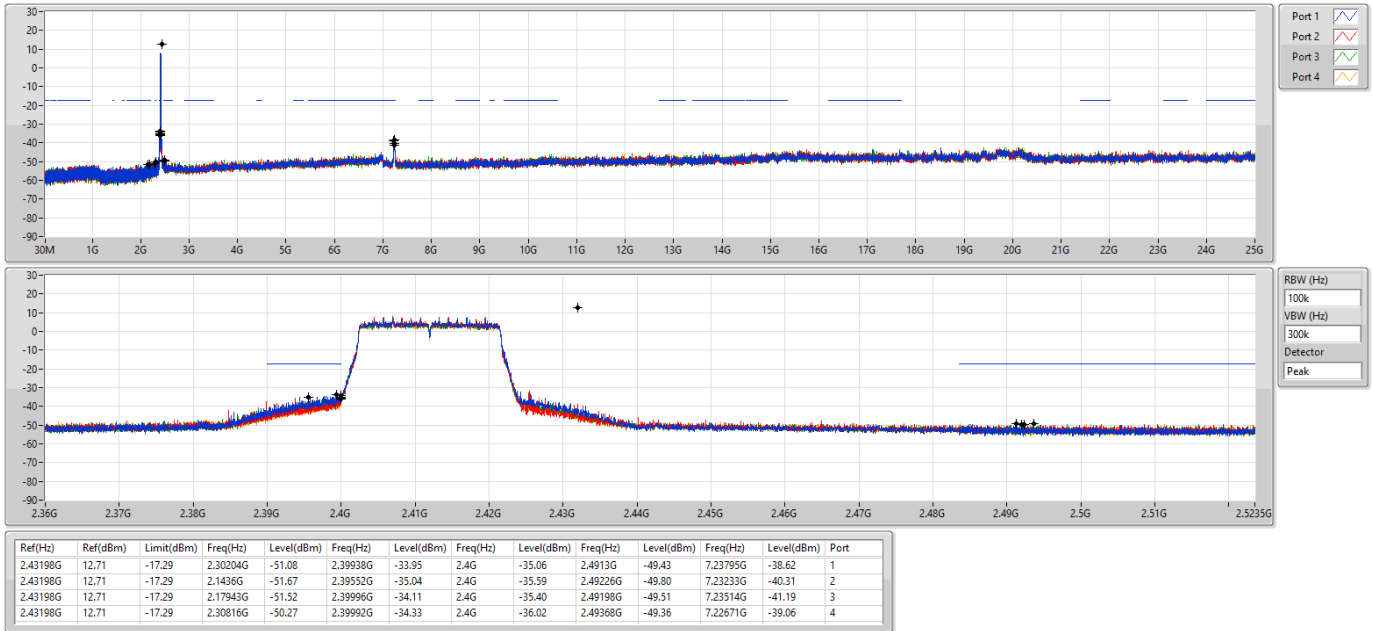
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	12.71	-17.29	2.30204G	-51.08	2.39938G	-33.95	2.4G	-35.06	2.4913G	-49.43	7.23795G	-38.62	1
2412MHz	Pass	2.43198G	12.71	-17.29	2.1436G	-51.67	2.39552G	-35.04	2.4G	-35.59	2.49226G	-49.80	7.23233G	-40.31	2
2412MHz	Pass	2.43198G	12.71	-17.29	2.17943G	-51.52	2.39996G	-34.11	2.4G	-35.40	2.49198G	-49.51	7.23514G	-41.19	3
2412MHz	Pass	2.43198G	12.71	-17.29	2.30816G	-50.27	2.39992G	-34.33	2.4G	-36.02	2.49368G	-49.36	7.22671G	-39.06	4
2437MHz	Pass	2.43198G	12.71	-17.29	2.30146G	-50.39	2.39836G	-39.79	2.4G	-44.14	2.48452G	-46.25	16.64998G	-44.19	1
2437MHz	Pass	2.43198G	12.71	-17.29	2.30991G	-48.90	2.39984G	-39.11	2.4G	-40.33	2.4876G	-44.70	16.82979G	-44.34	2
2437MHz	Pass	2.43198G	12.71	-17.29	2.3035G	-49.77	2.39966G	-41.80	2.4G	-40.23	2.4856G	-45.38	14.70014G	-44.26	3
2437MHz	Pass	2.43198G	12.71	-17.29	2.30495G	-48.28	2.39992G	-41.83	2.4G	-46.41	2.48484G	-45.85	23.44069G	-43.45	4
2462MHz	Pass	2.43198G	12.71	-17.29	2.02565G	-51.69	2.39924G	-49.88	2.4835G	-46.72	2.48496G	-44.11	17.32428G	-44.49	1
2462MHz	Pass	2.43198G	12.71	-17.29	1.97934G	-51.89	2.39712G	-49.19	2.4835G	-47.38	2.4871G	-43.11	17.59118G	-44.73	2
2462MHz	Pass	2.43198G	12.71	-17.29	2.15583G	-51.70	2.39062G	-49.85	2.4835G	-48.43	2.48388G	-44.08	15.20867G	-44.42	3
2462MHz	Pass	2.43198G	12.71	-17.29	946.86M	-51.46	2.39854G	-49.60	2.4835G	-48.08	2.48388G	-45.00	15.32668G	-43.83	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	4.62	-25.38	2.30512G	-51.29	2.39984G	-43.42	2.4G	-42.07	2.50034G	-49.87	15.03539G	-42.61	1
2422MHz	Pass	2.442G	4.62	-25.38	685.23M	-52.29	2.4G	-43.31	2.4G	-41.69	2.51902G	-49.50	24.88501G	-44.07	2
2422MHz	Pass	2.442G	4.62	-25.38	2.15999G	-51.70	2.39988G	-41.52	2.4G	-43.39	2.50562G	-50.39	24.84855G	-42.65	3
2422MHz	Pass	2.442G	4.62	-25.38	2.30397G	-51.79	2.4G	-44.47	2.4G	-43.85	2.48622G	-49.04	16.24135G	-43.45	4
2437MHz	Pass	2.442G	4.62	-25.38	2.30139G	-50.39	2.39824G	-39.19	2.4G	-44.08	2.48458G	-47.81	23.4603G	-44.60	1
2437MHz	Pass	2.442G	4.62	-25.38	2.15913G	-50.86	2.39832G	-41.31	2.4G	-46.71	2.51258G	-47.78	16.99578G	-44.48	2
2437MHz	Pass	2.442G	4.62	-25.38	2.16314G	-51.07	2.39956G	-39.84	2.4G	-43.89	2.48406G	-47.38	17.66887G	-44.21	3
2437MHz	Pass	2.442G	4.62	-25.38	826.06M	-51.74	2.39952G	-39.63	2.4G	-44.94	2.48474G	-47.88	24.27923G	-43.82	4
2452MHz	Pass	2.442G	4.62	-25.38	2.30454G	-51.48	2.39036G	-48.41	2.4835G	-45.58	2.48446G	-42.78	24.49518G	-43.84	1
2452MHz	Pass	2.442G	4.62	-25.38	2.14911G	-51.26	2.39728G	-48.28	2.4835G	-46.27	2.4919G	-45.81	23.23032G	-44.12	2
2452MHz	Pass	2.442G	4.62	-25.38	2.15999G	-51.07	2.39912G	-47.23	2.4835G	-44.33	2.48454G	-43.57	24.91867G	-43.68	3
2452MHz	Pass	2.442G	4.62	-25.38	2.30454G	-51.66	2.39992G	-47.27	2.4835G	-46.47	2.4845G	-44.20	21.94583G	-42.97	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz

CSENdB

01/07/2022

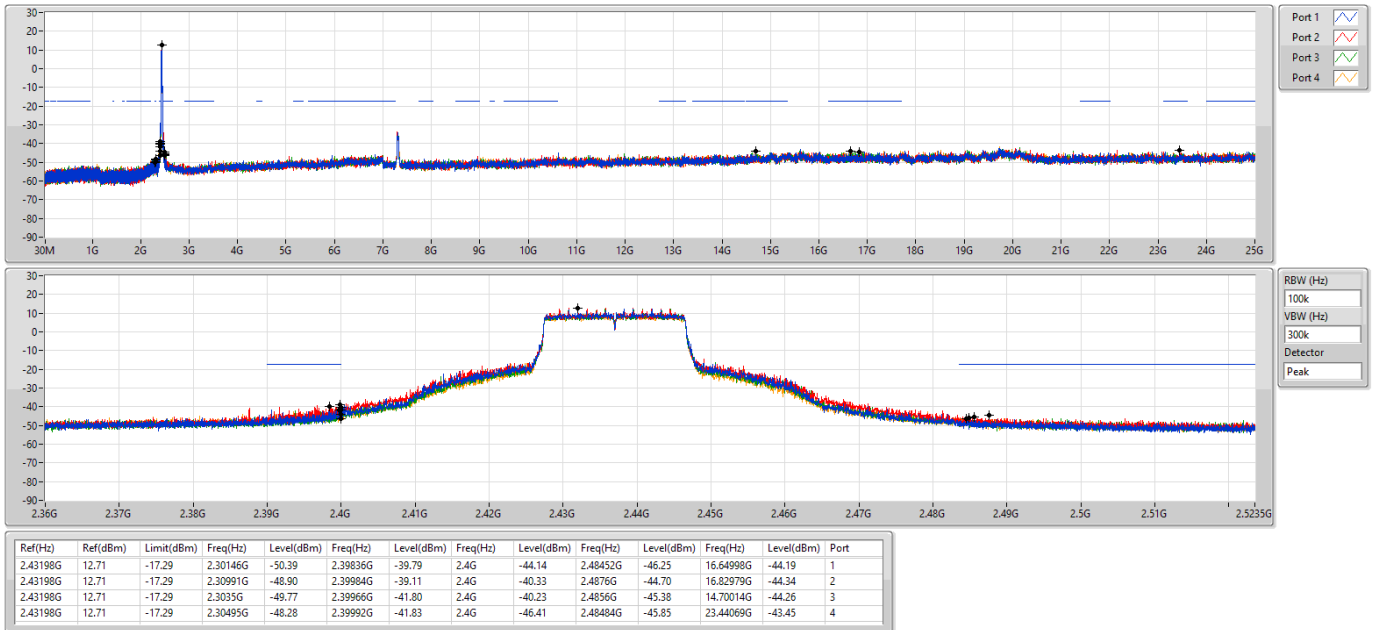


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz

CSENdB

01/07/2022

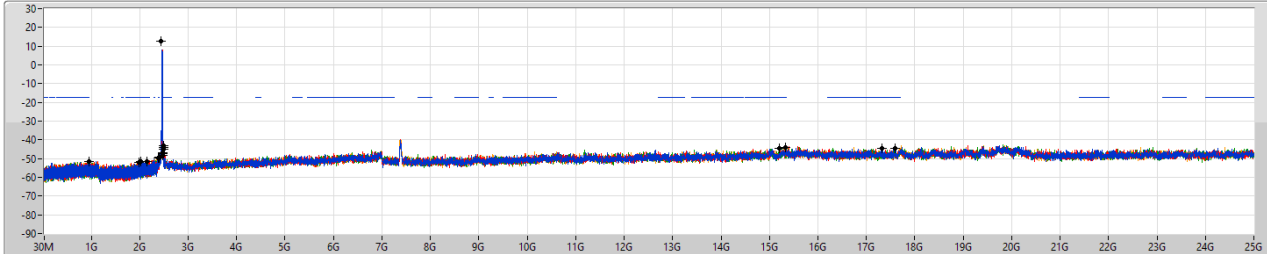


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

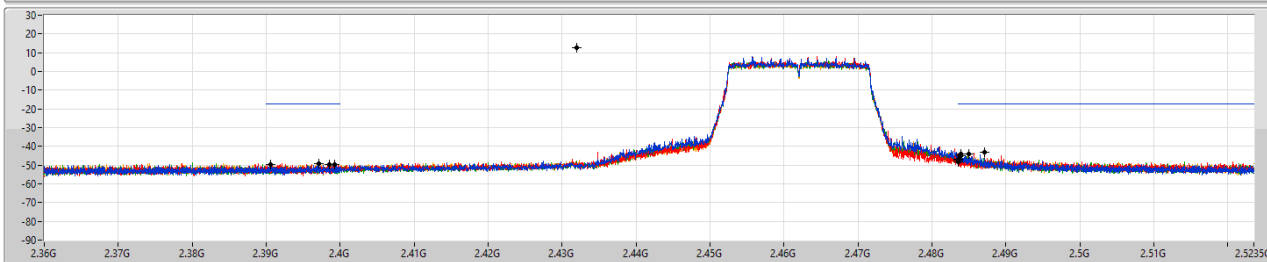
CSENdB

2462MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

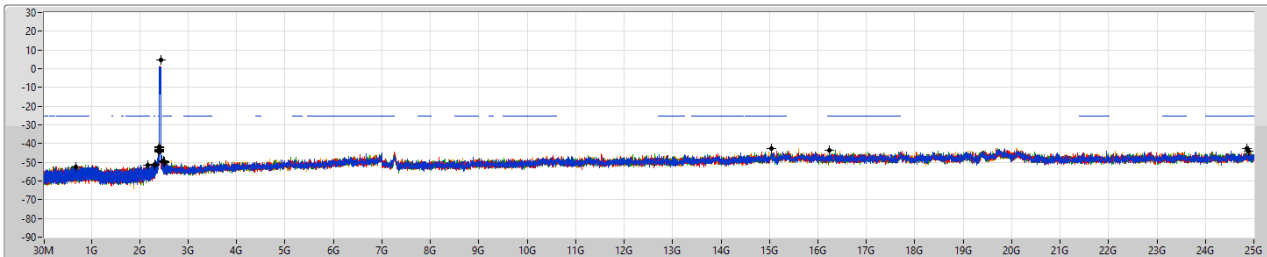
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.71	-17.29	2.02565G	-51.69	2.39924G	-49.88	2.4835G	-46.72	2.48496G	-44.11	17.32428G	-44.49	1
2.43198G	12.71	-17.29	1.97934G	-51.89	2.39712G	-49.19	2.4835G	-47.38	2.4871G	-43.11	17.99118G	-44.73	2
2.43198G	12.71	-17.29	2.15583G	-51.70	2.39062G	-49.85	2.4835G	-48.43	2.48388G	-44.08	15.20867G	-44.42	3
2.43198G	12.71	-17.29	946.86M	-51.46	2.39854G	-49.60	2.4835G	-48.08	2.48388G	-45.00	15.32668G	-43.83	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

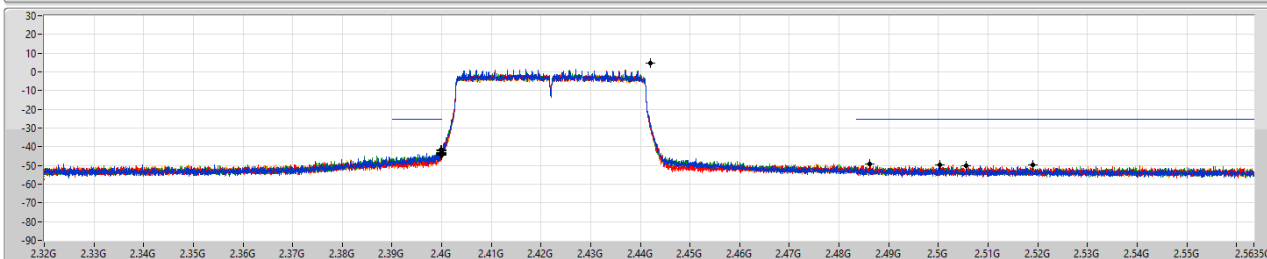
CSENdB

2422MHz

01/07/2022



Port 1
Port 2
Port 3
Port 4



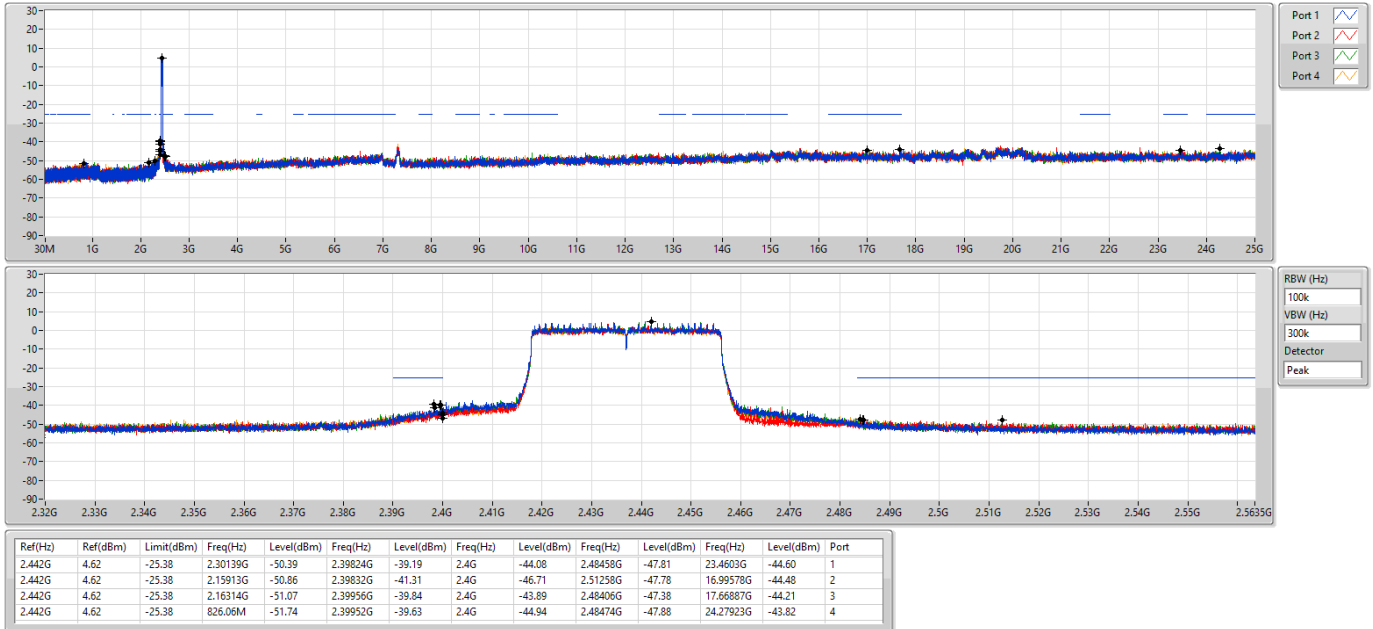
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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	4.62	-25.38	2.30512G	-51.29	2.39984G	-43.42	2.4G	-42.07	2.50034G	-49.87	15.03539G	-42.61	1
2.442G	4.62	-25.38	685.23M	-52.29	2.4G	-43.31	2.4G	-41.69	2.51903G	-49.50	24.86901G	-44.07	2
2.442G	4.62	-25.38	2.15999G	-51.70	2.39988G	-41.52	2.4G	-43.39	2.50563G	-50.39	24.84895G	-42.65	3
2.442G	4.62	-25.38	2.30397G	-51.79	2.4G	-44.47	2.4G	-43.85	2.48622G	-49.04	16.24135G	-43.45	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdB

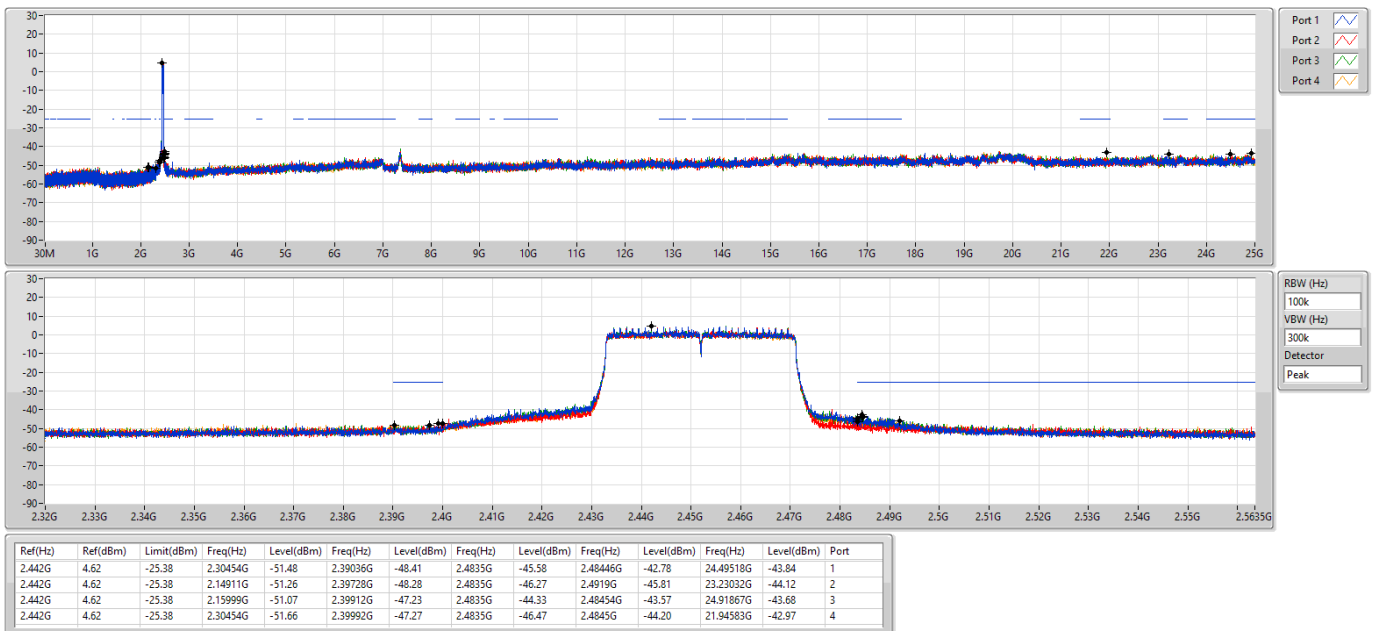
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdB

2452MHz





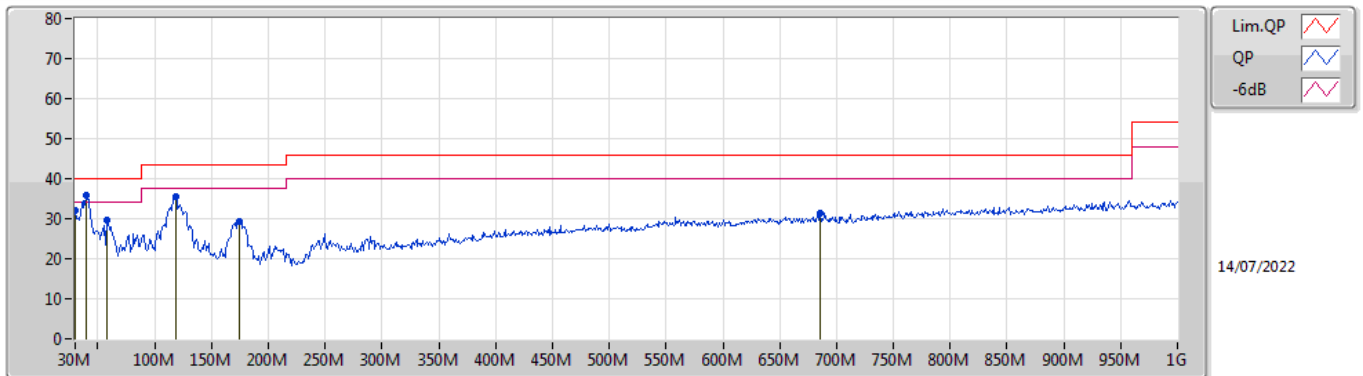
Radiated Emissions below 1GHz

Appendix F.1

Summary

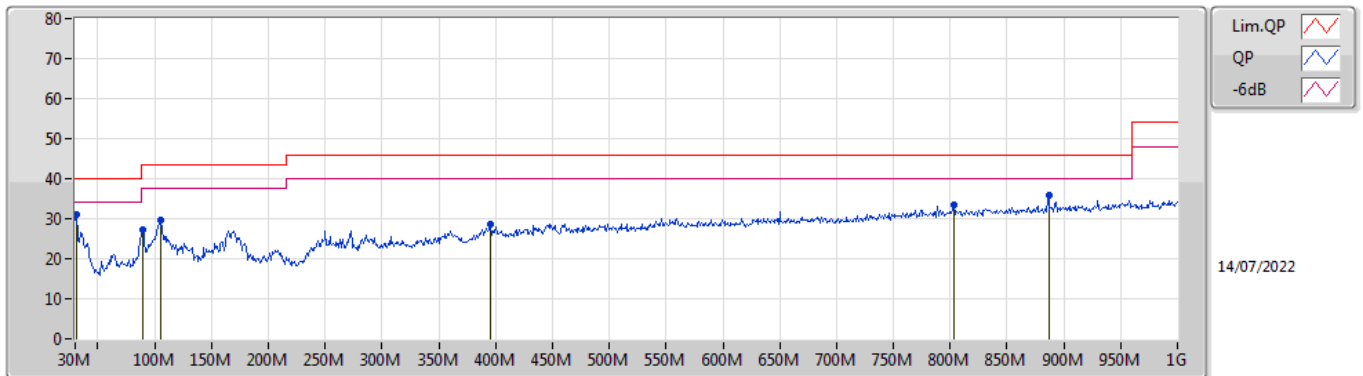
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	39.7M	35.90	40.00	-4.10	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	31.99	40.00	-8.01	-6.76	3	Vertical	357	3.00	-	38.75	23.99	0.80	31.55
PK	39.7M	35.90	40.00	-4.10	-12.07	3	Vertical	136	1.00	"Worst"	47.97	18.78	0.90	31.75
PK	58.13M	29.70	40.00	-10.30	-18.43	3	Vertical	87	2.00	-	48.13	12.32	1.16	31.91
PK	118.27M	35.38	43.50	-8.12	-12.38	3	Vertical	181	1.00	-	47.76	18.00	1.59	31.97
PK	174.53M	29.43	43.50	-14.07	-14.67	3	Vertical	200	1.00	-	44.10	15.25	2.07	31.99
PK	685.72M	31.44	46.00	-14.56	-3.57	3	Vertical	282	1.00	-	35.01	24.57	4.41	32.55

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30.97M	31.04	40.00	-8.96	-7.22	3	Horizontal	231	3.00	"Worst"	38.26	23.54	0.82	31.58
PK	89.17M	27.15	43.50	-16.35	-16.02	3	Horizontal	237	3.00	-	43.17	14.46	1.48	31.96
PK	105.66M	29.65	43.50	-13.85	-13.14	3	Horizontal	257	3.00	-	42.79	17.30	1.53	31.97
PK	395.69M	28.50	46.00	-17.50	-7.63	3	Horizontal	193	1.00	-	36.13	21.35	3.18	32.16
PK	803M	33.41	46.00	-12.59	-2.01	3	Horizontal	360	3.00	-	35.42	25.59	4.91	32.51
PK	886.51M	35.80	46.00	-10.20	-1.11	3	Horizontal	360	1.25	-	36.91	26.13	5.25	32.49



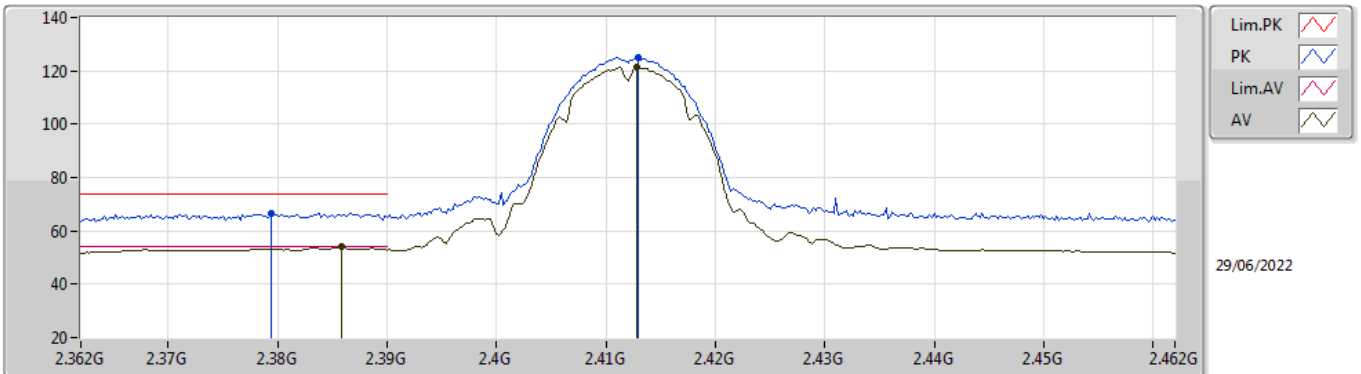
For non-beamforming mode:

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	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1.(1Mbps)_4TX	Pass	AV	2.3858G	53.97	54.00	-0.03	3	Vertical	283	1.48	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

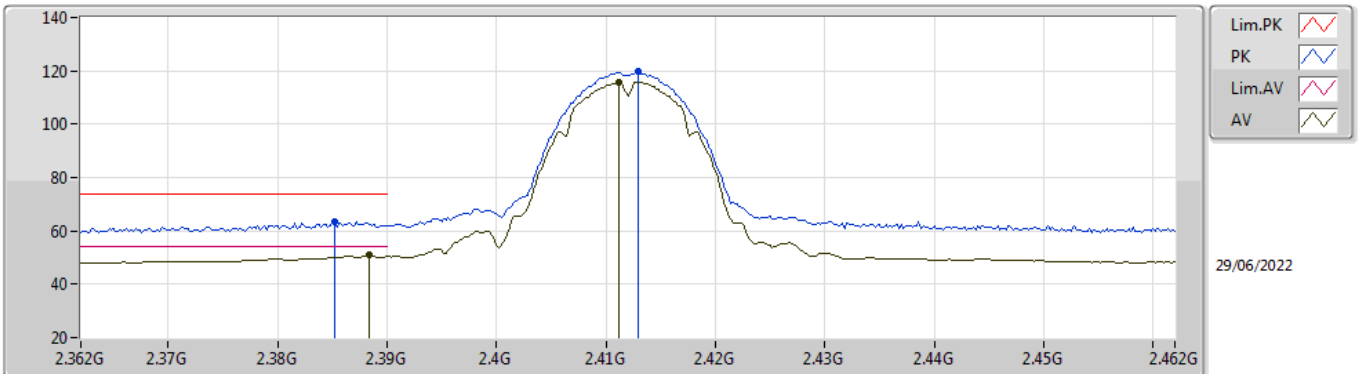


EUT X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3794G	66.52	74.00	-7.48	35.37	3	Vertical	283	1.48	-	28.36	2.79	-	
AV	2.3858G	53.97	54.00	-0.03	22.81	3	Vertical	283	1.48	-	28.37	2.79	-	
PK	2.413G	125.11	Inf	-Inf	93.90	3	Vertical	283	1.48	-	28.40	2.81	-	
AV	2.4128G	121.19	Inf	-Inf	89.98	3	Vertical	283	1.48	-	28.40	2.81	-	

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

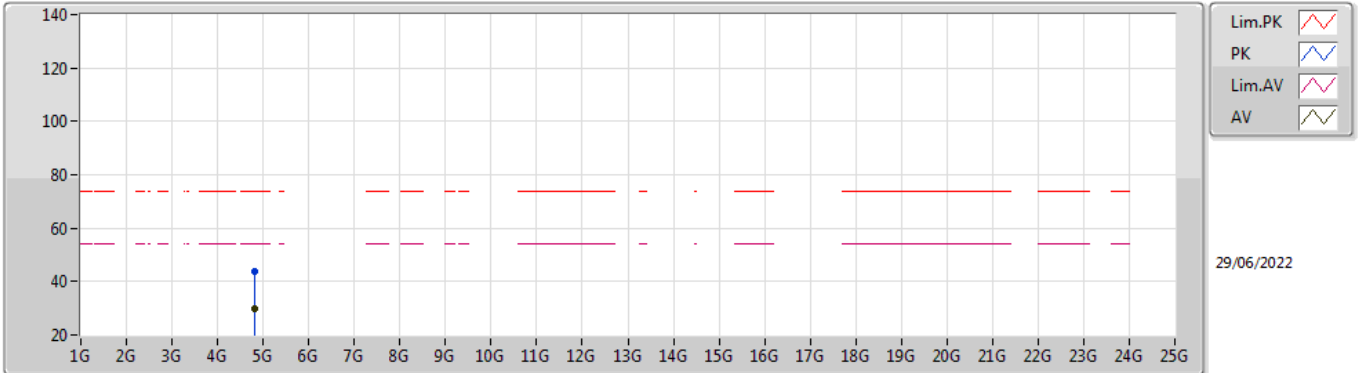


EUT_X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3852G	63.27	74.00	-10.73	32.11	3	Horizontal	154	2.23	-	28.37	2.79	-	
AV	2.3884G	50.79	54.00	-3.21	19.62	3	Horizontal	154	2.23	-	28.38	2.79	-	
PK	2.413G	119.65	Inf	-Inf	88.44	3	Horizontal	154	2.23	-	28.40	2.81	-	
AV	2.4112G	115.79	Inf	-Inf	84.58	3	Horizontal	154	2.23	-	28.40	2.81	-	

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

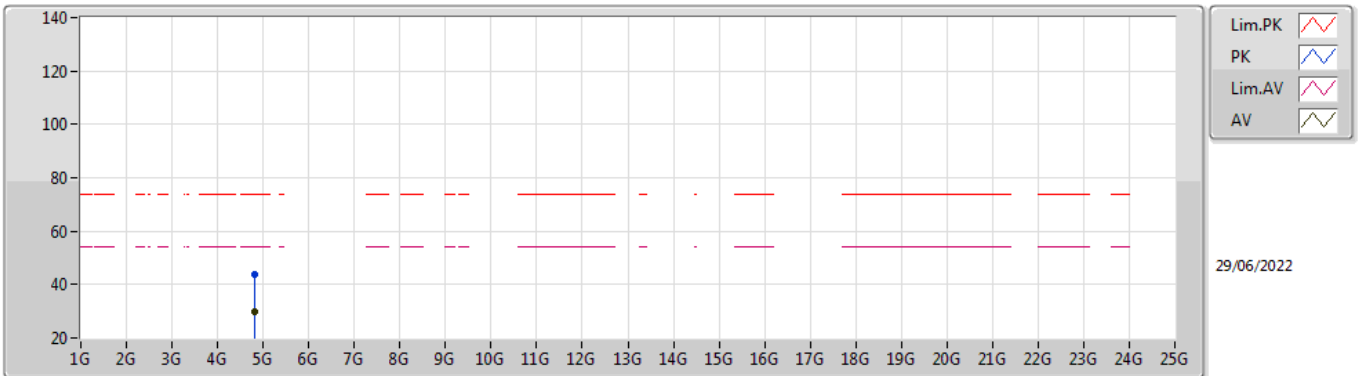


EUT X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81986G	43.54	74.00	-30.46	37.74	3	Vertical	336	2.56	-	32.92	5.10	32.22
AV	4.81668G	29.78	54.00	-24.22	24.01	3	Vertical	336	2.56	-	32.90	5.10	32.23

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

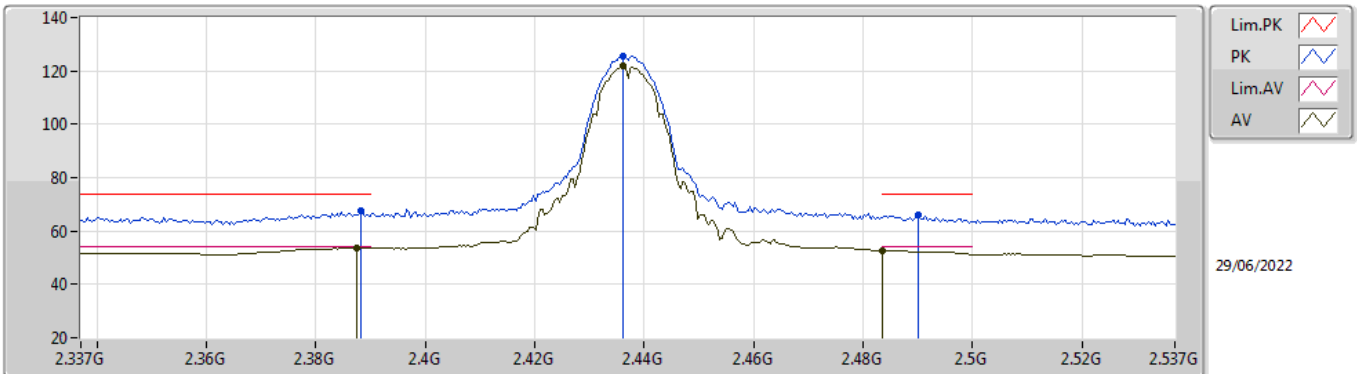


EUT X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81716G	43.84	74.00	-30.16	38.07	3	Horizontal	27	2.51	-	32.90	5.10	32.23
AV	4.8204G	29.75	54.00	-24.25	23.95	3	Horizontal	27	2.51	-	32.92	5.10	32.22

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

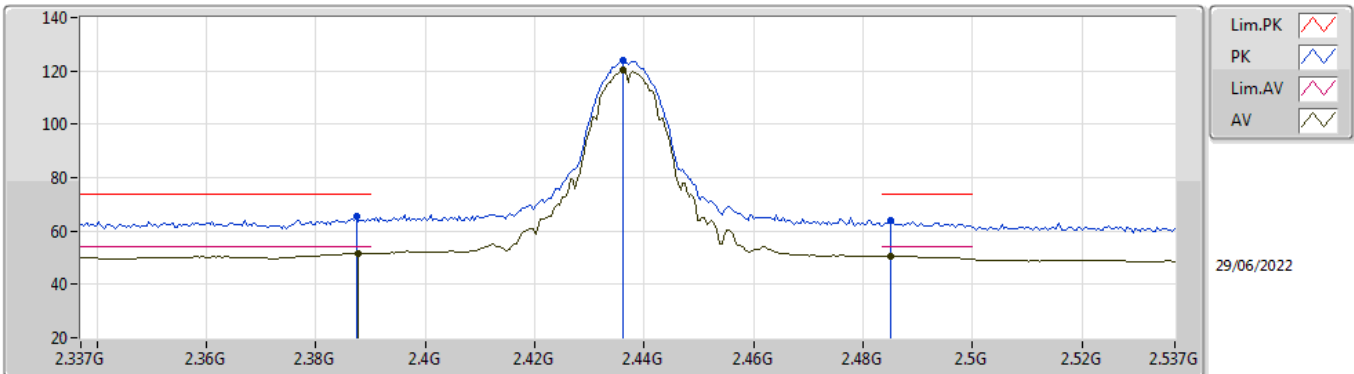


EUT_X_4TX
Setting 105
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3882G	67.34	74.00	-6.66	36.17	3	Vertical	246	1.20	-	28.38	2.79	-	
AV	2.3874G	53.81	54.00	-0.19	22.65	3	Vertical	246	1.20	-	28.37	2.79	-	
PK	2.4362G	125.65	Inf	-Inf	94.41	3	Vertical	246	1.20	-	28.40	2.84	-	
AV	2.4362G	121.91	Inf	-Inf	90.67	3	Vertical	246	1.20	-	28.40	2.84	-	
PK	2.4902G	65.78	74.00	-8.22	34.33	3	Vertical	246	1.20	-	28.56	2.89	-	
AV	2.4835G	52.70	54.00	-1.30	21.29	3	Vertical	246	1.20	-	28.53	2.88	-	

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

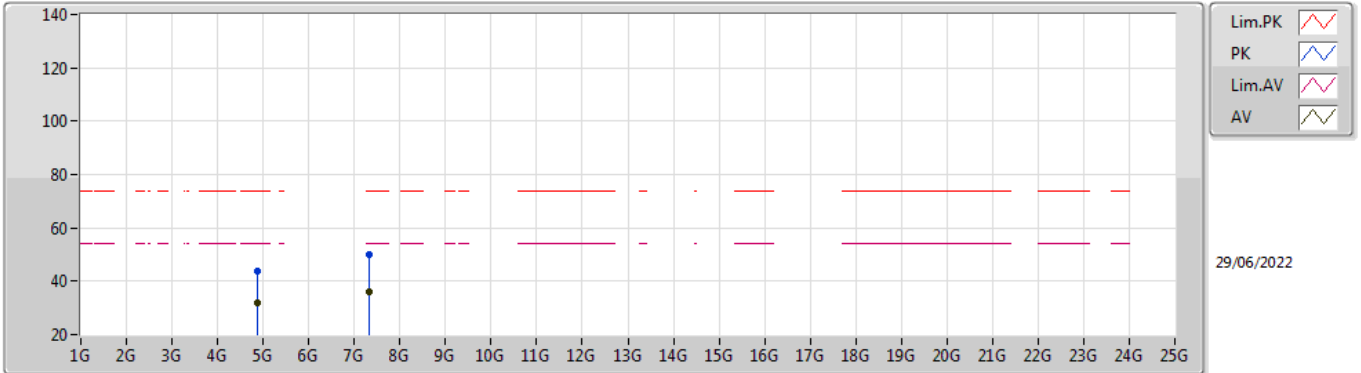


EUT_X_4TX
Setting 105
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3874G	65.38	74.00	-8.62	34.22	3	Horizontal	181	2.60	-	28.37	2.79	-
AV	2.3878G	51.65	54.00	-2.35	20.48	3	Horizontal	181	2.60	-	28.38	2.79	-
PK	2.4362G	123.93	Inf	-Inf	92.69	3	Horizontal	181	2.60	-	28.40	2.84	-
AV	2.4362G	120.16	Inf	-Inf	88.92	3	Horizontal	181	2.60	-	28.40	2.84	-
PK	2.485G	63.78	74.00	-10.22	32.35	3	Horizontal	181	2.60	-	28.54	2.89	-
AV	2.485G	50.62	54.00	-3.38	19.19	3	Horizontal	181	2.60	-	28.54	2.89	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

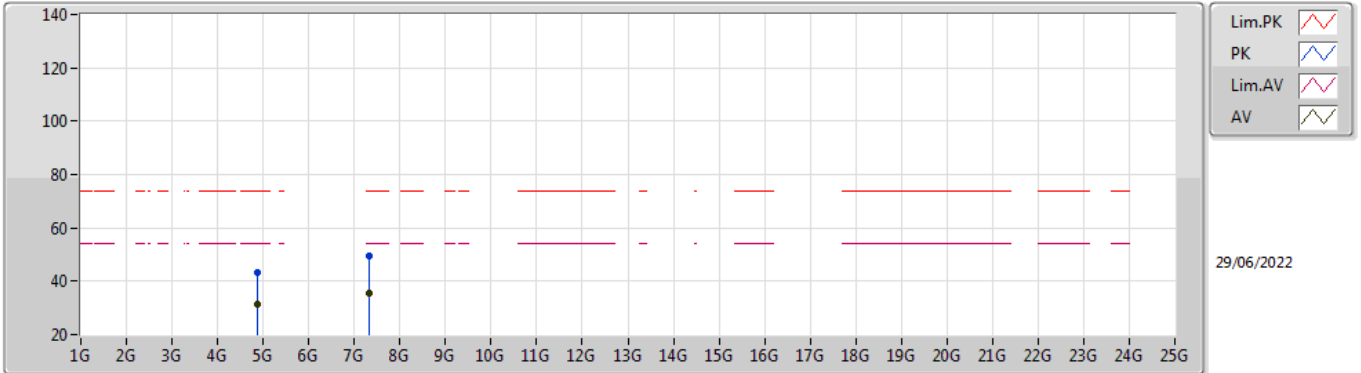


EUT_X_4TX
Setting 105
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87388G	43.96	74.00	-30.04	37.92	3	Vertical	220	1.78	-	33.15	5.10	32.21	
AV	4.87394G	31.75	54.00	-22.25	25.71	3	Vertical	220	1.78	-	33.15	5.10	32.21	
PK	7.31934G	49.76	74.00	-24.24	40.00	3	Vertical	5	2.13	-	36.44	6.16	32.84	
AV	7.32324G	35.78	54.00	-18.22	26.01	3	Vertical	5	2.13	-	36.45	6.16	32.84	

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

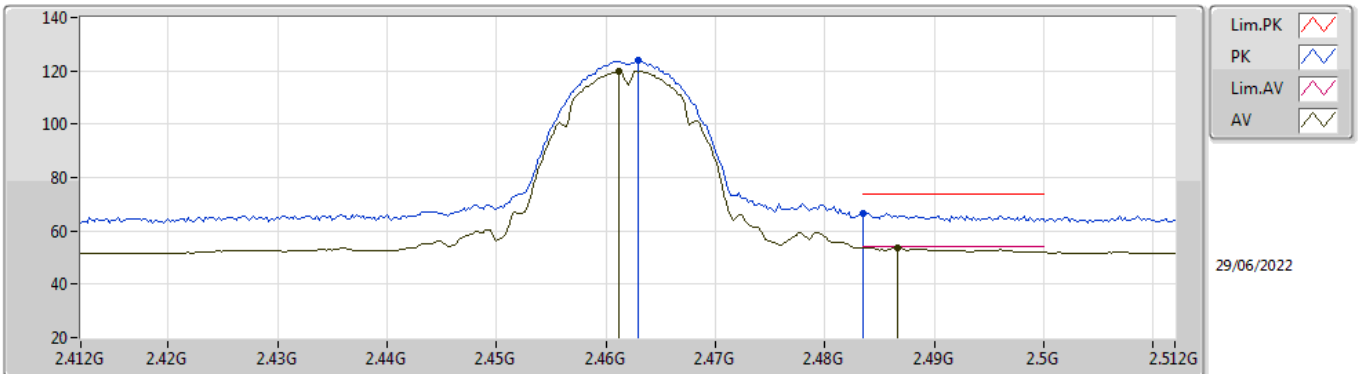


EUT_X_4TX
Setting 105
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86194G	43.38	74.00	-30.62	37.37	3	Horizontal	170	1.80	-	33.12	5.10	32.21
AV	4.874G	31.30	54.00	-22.70	25.26	3	Horizontal	170	1.80	-	33.15	5.10	32.21
PK	7.31754G	49.29	74.00	-24.71	39.52	3	Horizontal	97	2.98	-	36.44	6.16	32.83
AV	7.31904G	35.70	54.00	-18.30	25.94	3	Horizontal	97	2.98	-	36.44	6.16	32.84

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

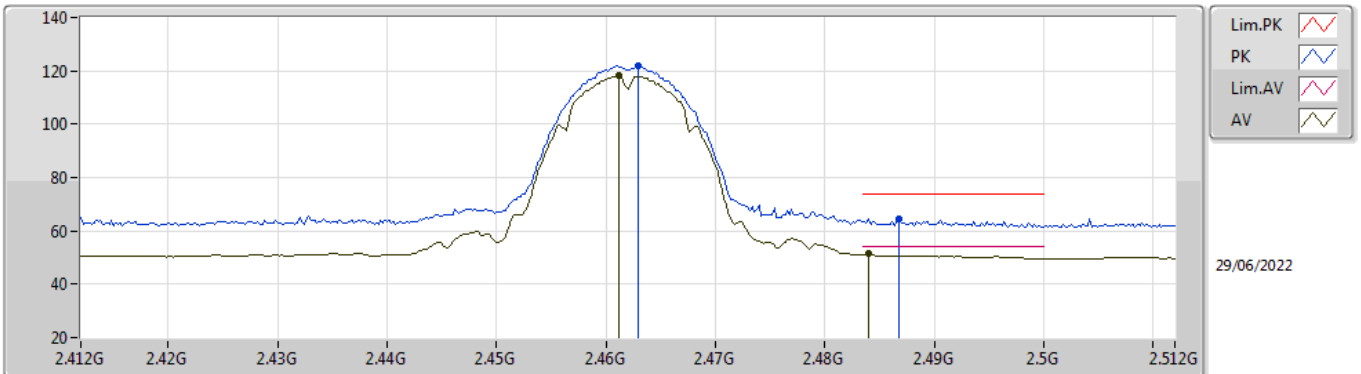


EUT_X_4TX
Setting 96
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.463G	123.85	Inf	-Inf	92.54	3	Vertical	259	2.80	-	28.45	2.86	-	
AV	2.4612G	119.90	Inf	-Inf	88.60	3	Vertical	259	2.80	-	28.44	2.86	-	
PK	2.4835G	66.79	74.00	-7.21	35.38	3	Vertical	259	2.80	-	28.53	2.88	-	
AV	2.4866G	53.79	54.00	-0.21	22.35	3	Vertical	259	2.80	-	28.55	2.89	-	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

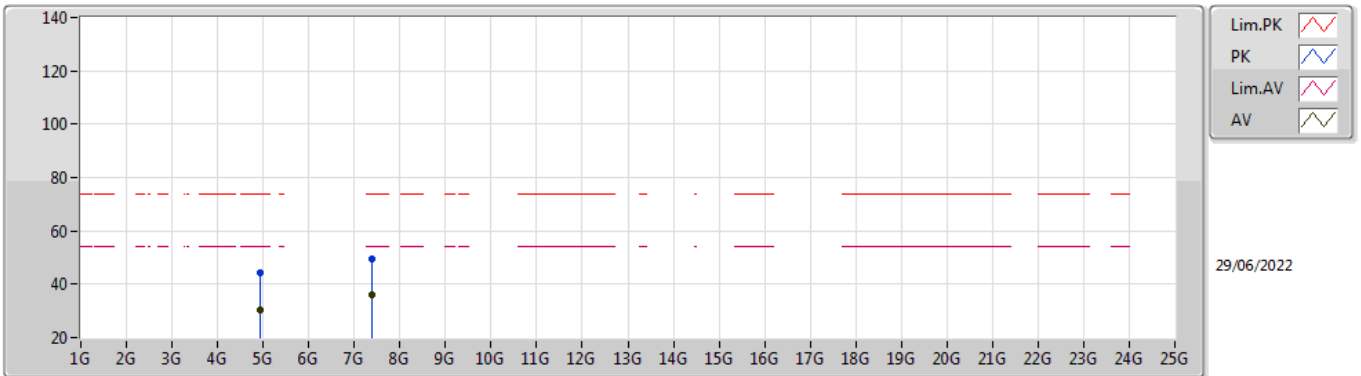


EUT_X_4TX
Setting 96
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.463G	121.76	Inf	-Inf	90.45	3	Horizontal	186	2.25	-	28.45	2.86	-	
AV	2.4612G	118.13	Inf	-Inf	86.83	3	Horizontal	186	2.25	-	28.44	2.86	-	
PK	2.4868G	64.69	74.00	-9.31	33.25	3	Horizontal	186	2.25	-	28.55	2.89	-	
AV	2.484G	51.42	54.00	-2.58	20.00	3	Horizontal	186	2.25	-	28.54	2.88	-	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

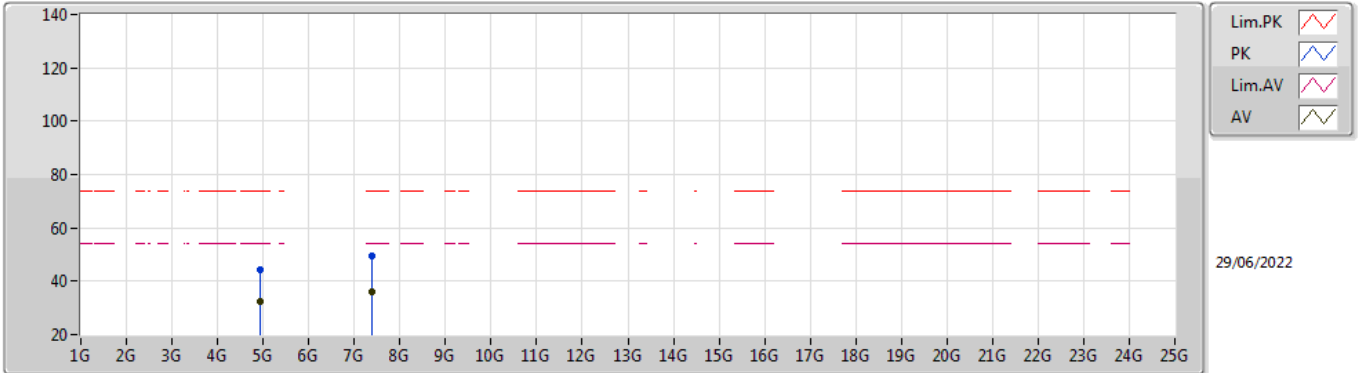


EUT_X_4TX
Setting 96
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.93102G	44.47	74.00	-29.53	38.29	3	Vertical	161	1.41	-	33.26	5.10	32.18	
AV	4.92394G	30.20	54.00	-23.80	24.04	3	Vertical	161	1.41	-	33.25	5.10	32.19	
PK	7.37934G	49.23	74.00	-24.77	39.48	3	Vertical	6	2.68	-	36.50	6.19	32.94	
AV	7.3758G	35.80	54.00	-18.20	26.04	3	Vertical	6	2.68	-	36.50	6.19	32.93	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

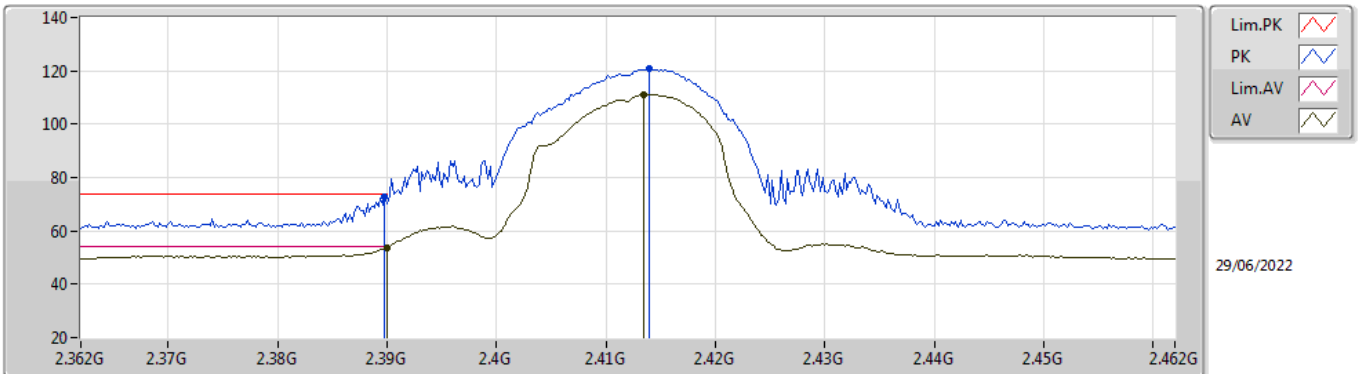


EUT_X_4TX
Setting 96
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92394G	44.32	74.00	-29.68	38.16	3	Horizontal	188	2.26	-	33.25	5.10	32.19
AV	4.92394G	32.47	54.00	-21.53	26.31	3	Horizontal	188	2.26	-	33.25	5.10	32.19
PK	7.38498G	49.57	74.00	-24.43	39.83	3	Horizontal	138	2.13	-	36.50	6.19	32.95
AV	7.3725G	35.94	54.00	-18.06	26.18	3	Horizontal	138	2.13	-	36.50	6.19	32.93

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

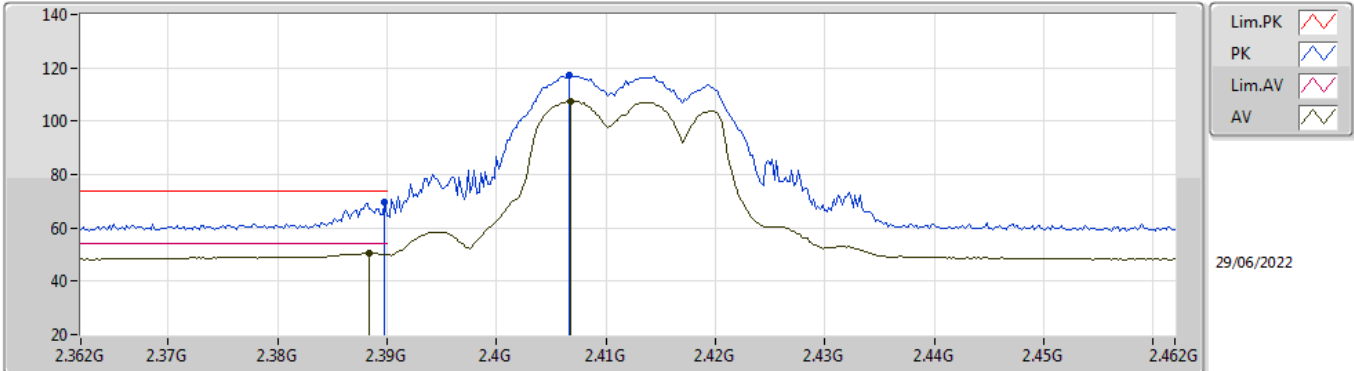


EUT_X_4TX
Setting 76
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3898G	72.70	74.00	-1.30	41.53	3	Vertical	297	1.54	-	28.38	2.79	-	
AV	2.39G	53.83	54.00	-0.17	22.66	3	Vertical	297	1.54	-	28.38	2.79	-	
PK	2.414G	120.67	Inf	-Inf	89.46	3	Vertical	297	1.54	-	28.40	2.81	-	
AV	2.4134G	111.10	Inf	-Inf	79.89	3	Vertical	297	1.54	-	28.40	2.81	-	

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

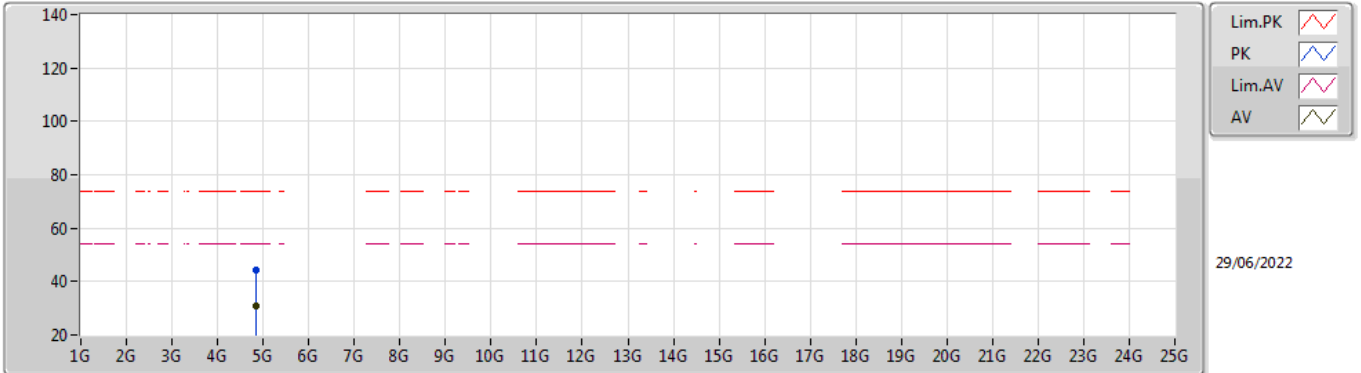


EUT X_4TX
Setting 76
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	69.49	74.00	-4.51	38.32	3	Horizontal	193	2.14	-	28.38	2.79	-
AV	2.3884G	50.60	54.00	-3.40	19.43	3	Horizontal	193	2.14	-	28.38	2.79	-
PK	2.4066G	117.07	Inf	-Inf	85.86	3	Horizontal	193	2.14	-	28.40	2.81	-
AV	2.4068G	107.60	Inf	-Inf	76.39	3	Horizontal	193	2.14	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

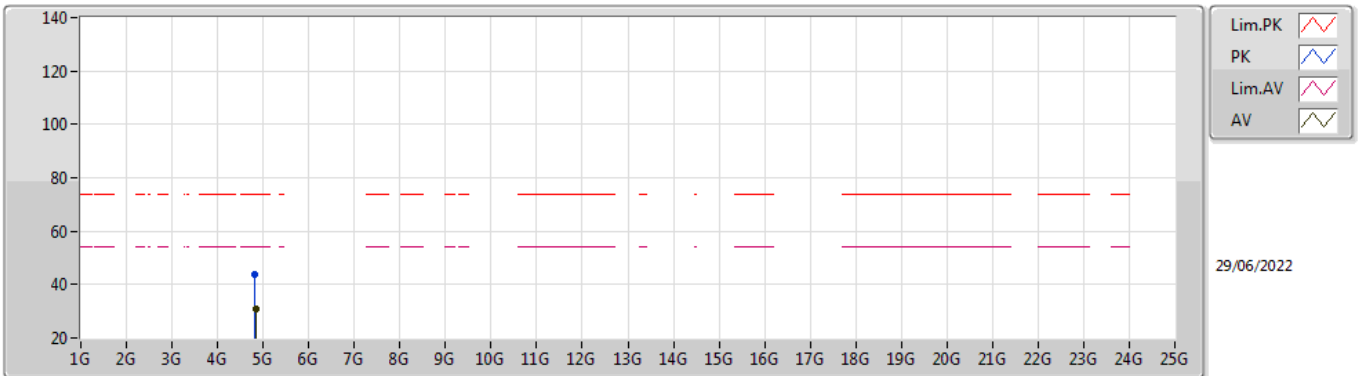


EUT X_4TX
Setting 76
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83624G	44.43	74.00	-29.57	38.53	3	Vertical	230	2.88	-	33.02	5.10	32.22
AV	4.83384G	30.99	54.00	-23.01	25.11	3	Vertical	230	2.88	-	33.00	5.10	32.22

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

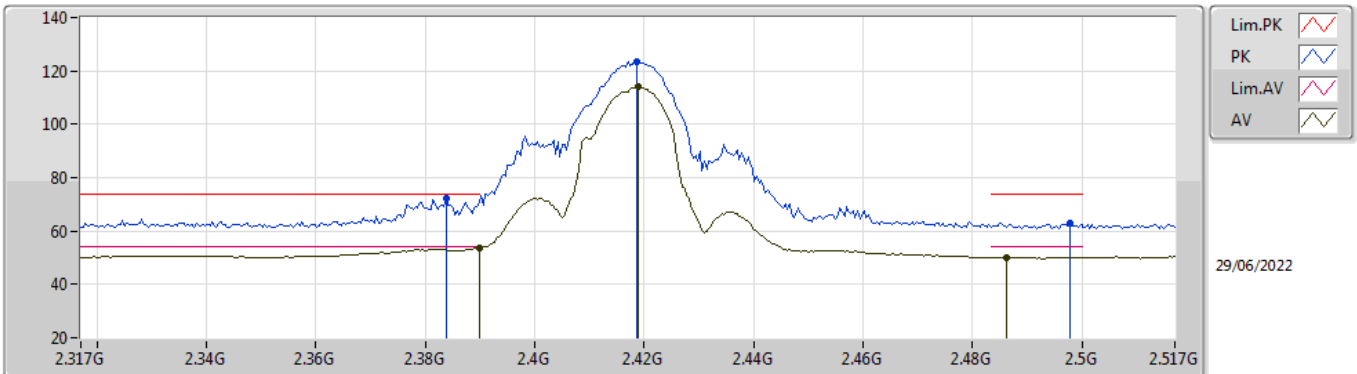


EUT X_4TX
Setting 76
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82304G	43.85	74.00	-30.15	38.03	3	Horizontal	348	1.50	-	32.94	5.10	32.22
AV	4.83576G	30.92	54.00	-23.08	25.03	3	Horizontal	348	1.50	-	33.01	5.10	32.22

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

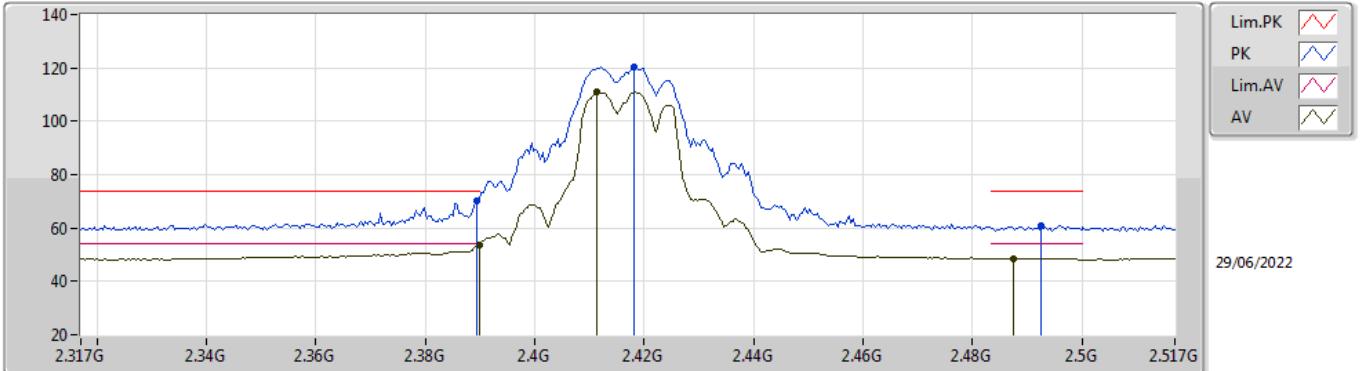


EUT_X_4TX
Setting 89
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	72.06	74.00	-1.94	40.90	3	Vertical	297	1.39	-	28.37	2.79	-
AV	2.3898G	53.56	54.00	-0.44	22.39	3	Vertical	297	1.39	-	28.38	2.79	-
PK	2.4186G	123.58	Inf	-Inf	92.36	3	Vertical	297	1.39	-	28.40	2.82	-
AV	2.419G	113.89	Inf	-Inf	82.67	3	Vertical	297	1.39	-	28.40	2.82	-
PK	2.4978G	63.01	74.00	-10.99	31.52	3	Vertical	297	1.39	-	28.59	2.90	-
AV	2.4862G	50.24	54.00	-3.76	18.81	3	Vertical	297	1.39	-	28.54	2.89	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

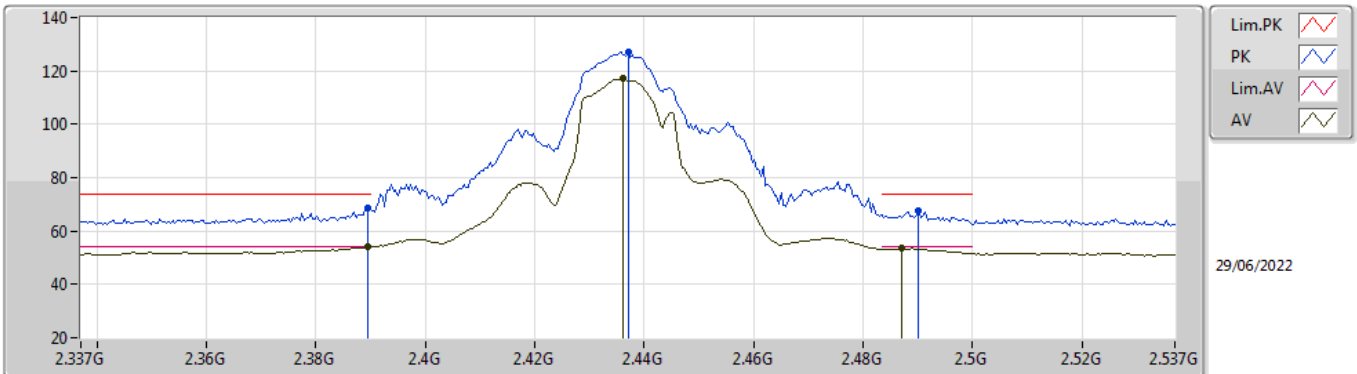


EUT_X_4TX
Setting 89
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	70.38	74.00	-3.62	39.21	3	Horizontal	190	2.13	-	28.38	2.79	-
AV	2.3898G	53.70	54.00	-0.30	22.53	3	Horizontal	190	2.13	-	28.38	2.79	-
PK	2.4182G	120.28	Inf	-Inf	89.06	3	Horizontal	190	2.13	-	28.40	2.82	-
AV	2.4114G	110.82	Inf	-Inf	79.61	3	Horizontal	190	2.13	-	28.40	2.81	-
PK	2.4926G	61.11	74.00	-12.89	29.65	3	Horizontal	190	2.13	-	28.57	2.89	-
AV	2.4874G	48.52	54.00	-5.48	17.08	3	Horizontal	190	2.13	-	28.55	2.89	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

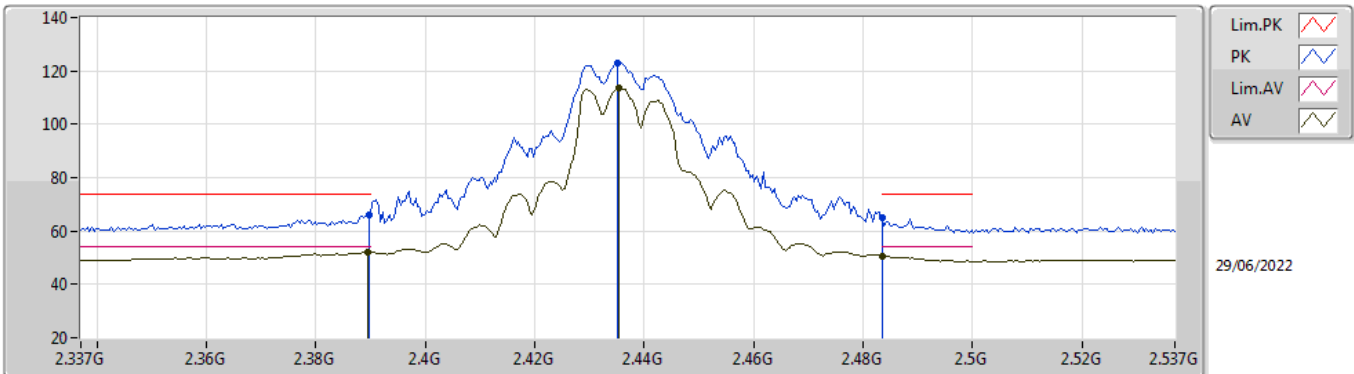


EUT X_4TX
Setting 98
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	68.75	74.00	-5.25	37.58	3	Vertical	268	1.00	-	28.38	2.79	-
AV	2.3894G	53.94	54.00	-0.06	22.77	3	Vertical	268	1.00	-	28.38	2.79	-
PK	2.437G	127.26	Inf	-Inf	96.02	3	Vertical	268	1.00	-	28.40	2.84	-
AV	2.4362G	117.09	Inf	-Inf	85.85	3	Vertical	268	1.00	-	28.40	2.84	-
PK	2.4902G	67.69	74.00	-6.31	36.24	3	Vertical	268	1.00	-	28.56	2.89	-
AV	2.487G	53.45	54.00	-0.55	22.01	3	Vertical	268	1.00	-	28.55	2.89	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

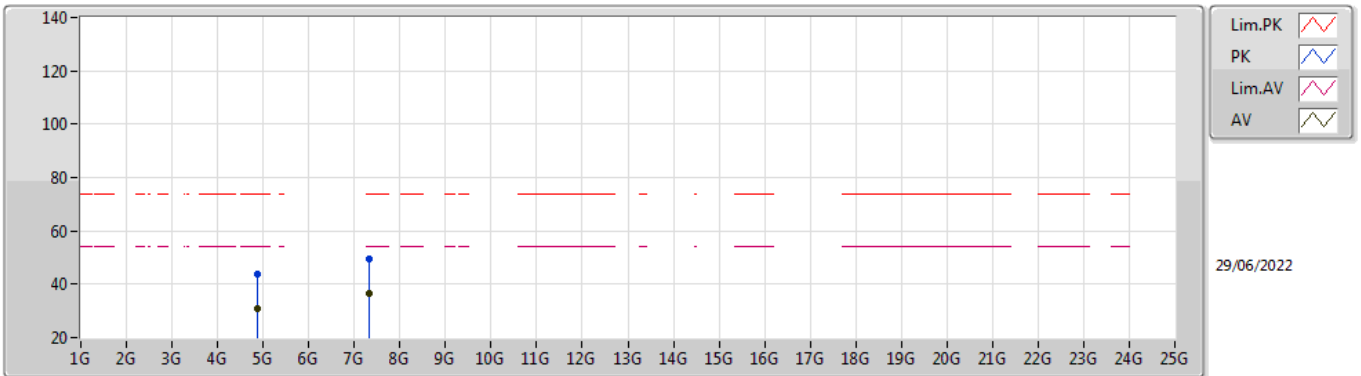


EUT_X_4TX
Setting 98
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	65.92	74.00	-8.08	34.75	3	Horizontal	182	2.95	-	28.38	2.79	-
AV	2.3894G	52.16	54.00	-1.84	20.99	3	Horizontal	182	2.95	-	28.38	2.79	-
PK	2.435G	122.87	Inf	-Inf	91.64	3	Horizontal	182	2.95	-	28.40	2.83	-
AV	2.4354G	113.39	Inf	-Inf	82.15	3	Horizontal	182	2.95	-	28.40	2.84	-
PK	2.4835G	64.97	74.00	-9.03	33.56	3	Horizontal	182	2.95	-	28.53	2.88	-
AV	2.4835G	50.66	54.00	-3.34	19.25	3	Horizontal	182	2.95	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

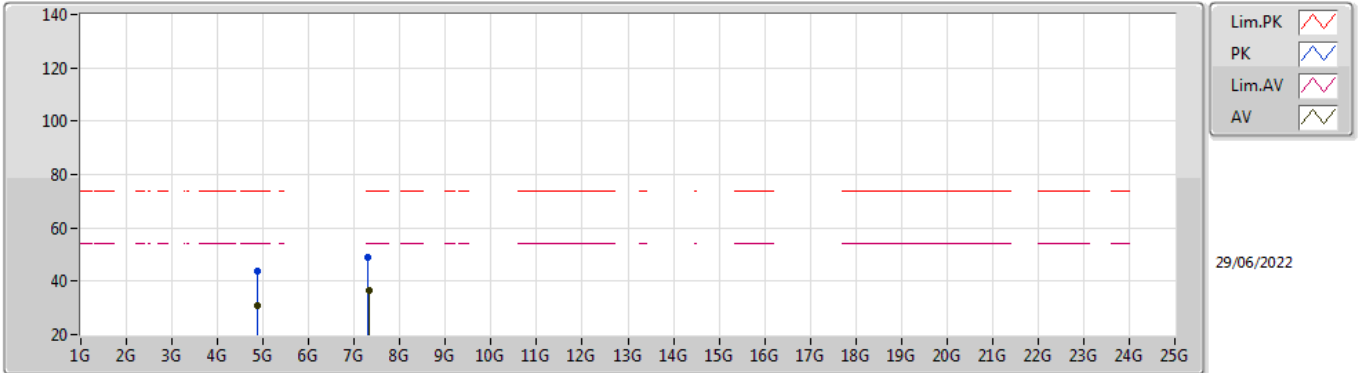


EUT_X_4TX
Setting 98
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.85984G	43.97	74.00	-30.03	37.96	3	Vertical	172	1.68	-	33.12	5.10	32.21	
AV	4.86278G	30.80	54.00	-23.20	24.78	3	Vertical	172	1.68	-	33.13	5.10	32.21	
PK	7.3233G	49.63	74.00	-24.37	39.86	3	Vertical	310	1.14	-	36.45	6.16	32.84	
AV	7.32156G	36.77	54.00	-17.23	27.01	3	Vertical	310	1.14	-	36.44	6.16	32.84	

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

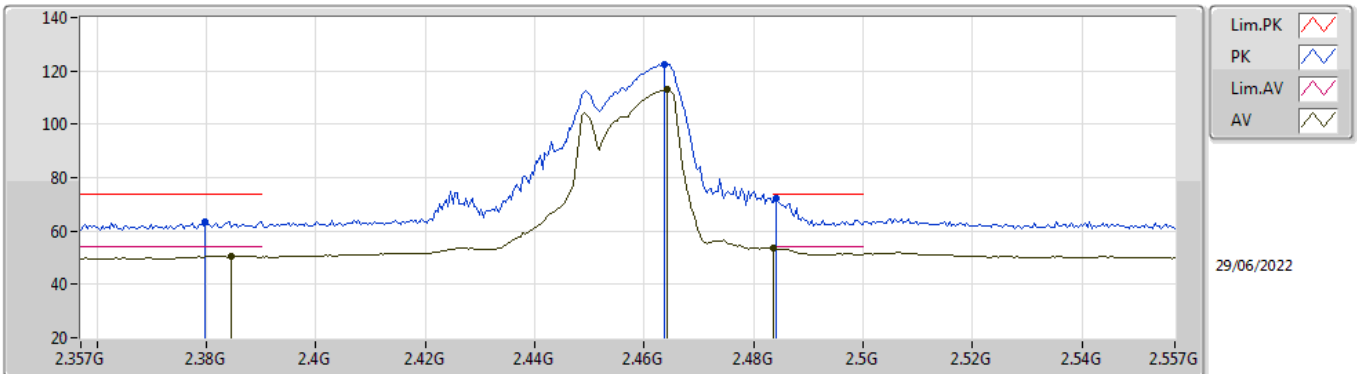


EUT_X_4TX
Setting 98
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87304G	43.82	74.00	-30.18	37.78	3	Horizontal	126	1.42	-	33.15	5.10	32.21	
AV	4.868G	30.78	54.00	-23.22	24.75	3	Horizontal	126	1.42	-	33.14	5.10	32.21	
PK	7.29852G	49.11	74.00	-24.89	39.37	3	Horizontal	36	1.52	-	36.39	6.15	32.80	
AV	7.31814G	36.75	54.00	-17.25	26.98	3	Horizontal	36	1.52	-	36.44	6.16	32.83	

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

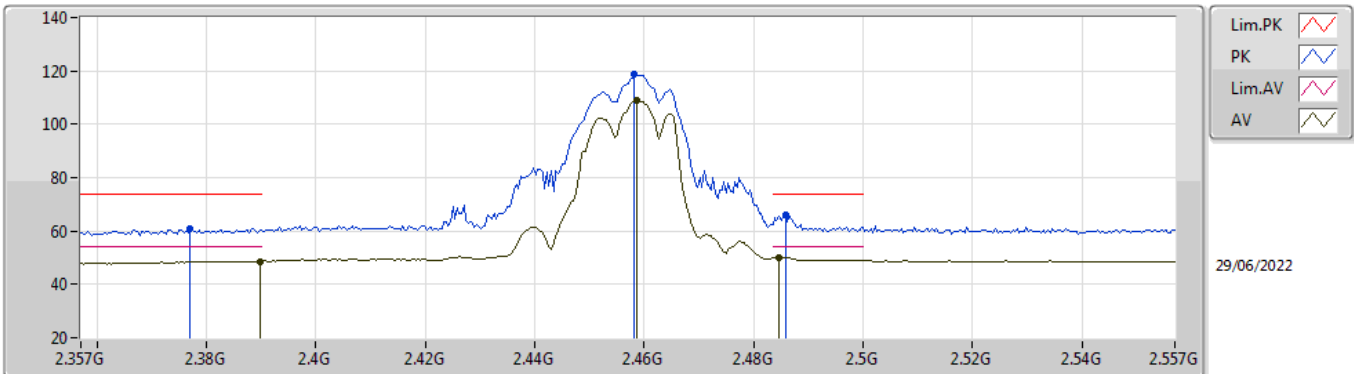


EUT X_4TX
Setting 83
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3798G	63.54	74.00	-10.46	32.39	3	Vertical	277	1.81	-	28.36	2.79	-
AV	2.3846G	50.48	54.00	-3.52	19.32	3	Vertical	277	1.81	-	28.37	2.79	-
PK	2.4638G	122.39	Inf	-Inf	91.07	3	Vertical	277	1.81	-	28.46	2.86	-
AV	2.4642G	113.04	Inf	-Inf	81.72	3	Vertical	277	1.81	-	28.46	2.86	-
PK	2.4842G	72.13	74.00	-1.87	40.71	3	Vertical	277	1.81	-	28.54	2.88	-
AV	2.4835G	53.68	54.00	-0.32	22.27	3	Vertical	277	1.81	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

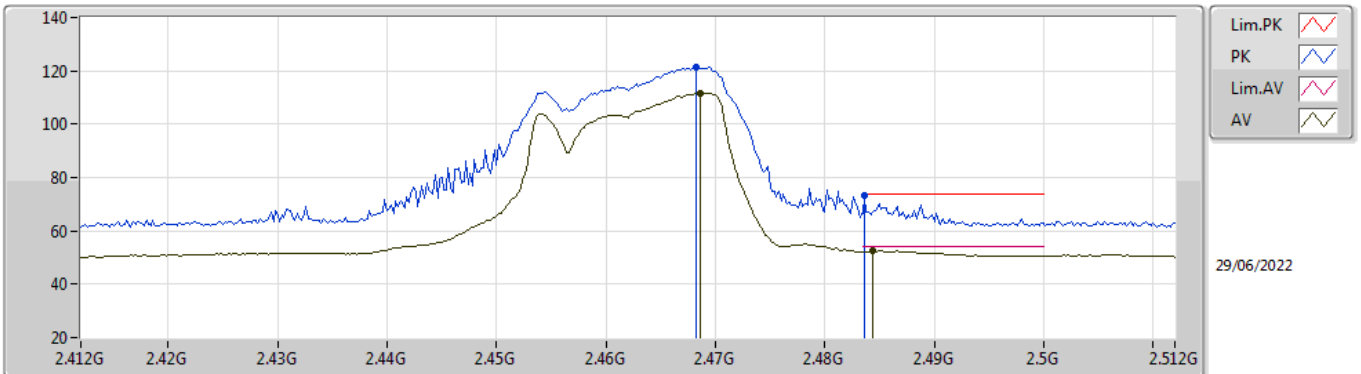


EUT_X_4TX
Setting 83
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.377G	61.05	74.00	-12.95	29.91	3	Horizontal	190	1.68	-	28.35	2.79	-
AV	2.3898G	48.65	54.00	-5.35	17.48	3	Horizontal	190	1.68	-	28.38	2.79	-
PK	2.4582G	118.57	Inf	-Inf	87.28	3	Horizontal	190	1.68	-	28.43	2.86	-
AV	2.4586G	108.90	Inf	-Inf	77.61	3	Horizontal	190	1.68	-	28.43	2.86	-
PK	2.4858G	65.92	74.00	-8.08	34.49	3	Horizontal	190	1.68	-	28.54	2.89	-
AV	2.4846G	50.17	54.00	-3.83	18.75	3	Horizontal	190	1.68	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

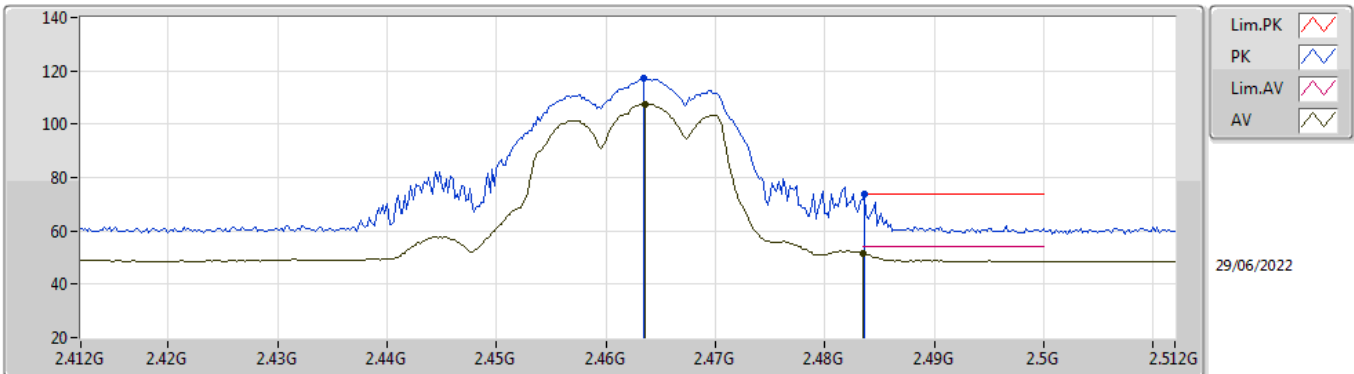


EUT_X_4TX
Setting 77
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4682G	121.19	Inf	-Inf	89.85	3	Vertical	269	1.42	-	28.47	2.87	-	
AV	2.4686G	111.65	Inf	-Inf	80.31	3	Vertical	269	1.42	-	28.47	2.87	-	
PK	2.4836G	73.36	74.00	-0.64	41.95	3	Vertical	269	1.42	-	28.53	2.88	-	
AV	2.4844G	52.46	54.00	-1.54	21.04	3	Vertical	269	1.42	-	28.54	2.88	-	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

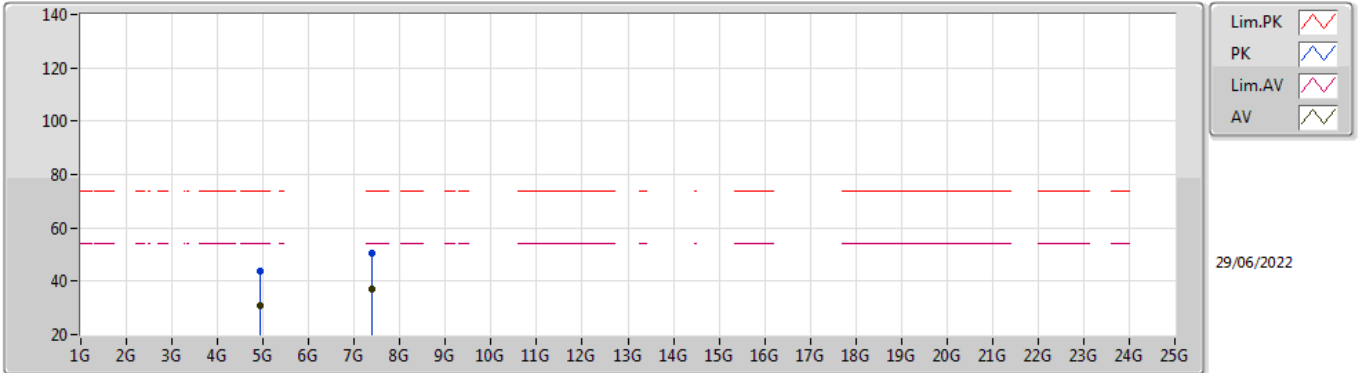


EUT_X_4TX
Setting 77
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4634G	117.22	Inf	-Inf	85.91	3	Horizontal	190	1.72	-	28.45	2.86	-	
AV	2.4636G	107.53	Inf	-Inf	76.22	3	Horizontal	190	1.72	-	28.45	2.86	-	
PK	2.4836G	73.88	74.00	-0.12	42.47	3	Horizontal	190	1.72	-	28.53	2.88	-	
AV	2.4835G	51.73	54.00	-2.27	20.32	3	Horizontal	190	1.72	-	28.53	2.88	-	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

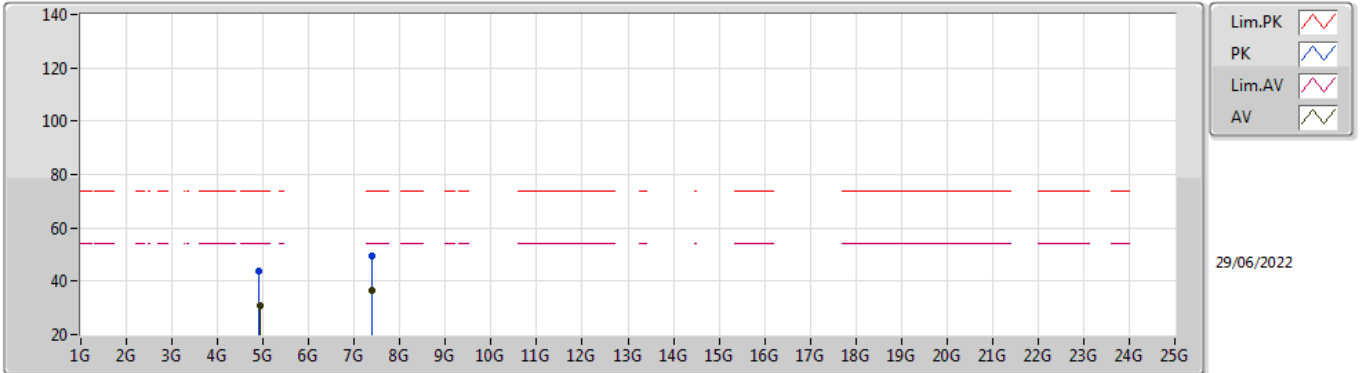


EUT_X_4TX
Setting 77
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.93888G	44.04	74.00	-29.96	37.84	3	Vertical	247	1.67	-	33.28	5.10	32.18	
AV	4.92628G	30.62	54.00	-23.38	24.46	3	Vertical	247	1.67	-	33.25	5.10	32.19	
PK	7.37562G	50.35	74.00	-23.65	40.59	3	Vertical	138	1.88	-	36.50	6.19	32.93	
AV	7.37814G	36.88	54.00	-17.12	27.13	3	Vertical	138	1.88	-	36.50	6.19	32.94	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

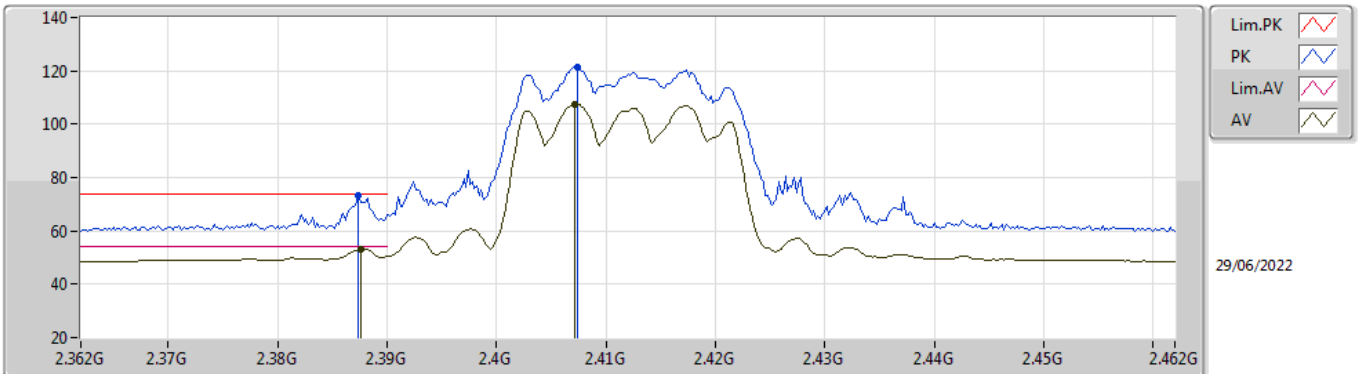


EUT_X_4TX
Setting 77
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.91428G	43.58	74.00	-30.42	37.44	3	Horizontal	37	2.88	-	33.23	5.10	32.19	
AV	4.92514G	30.82	54.00	-23.18	24.66	3	Horizontal	37	2.88	-	33.25	5.10	32.19	
PK	7.37634G	49.69	74.00	-24.31	39.93	3	Horizontal	336	1.92	-	36.50	6.19	32.93	
AV	7.37346G	36.80	54.00	-17.20	27.04	3	Horizontal	336	1.92	-	36.50	6.19	32.93	

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

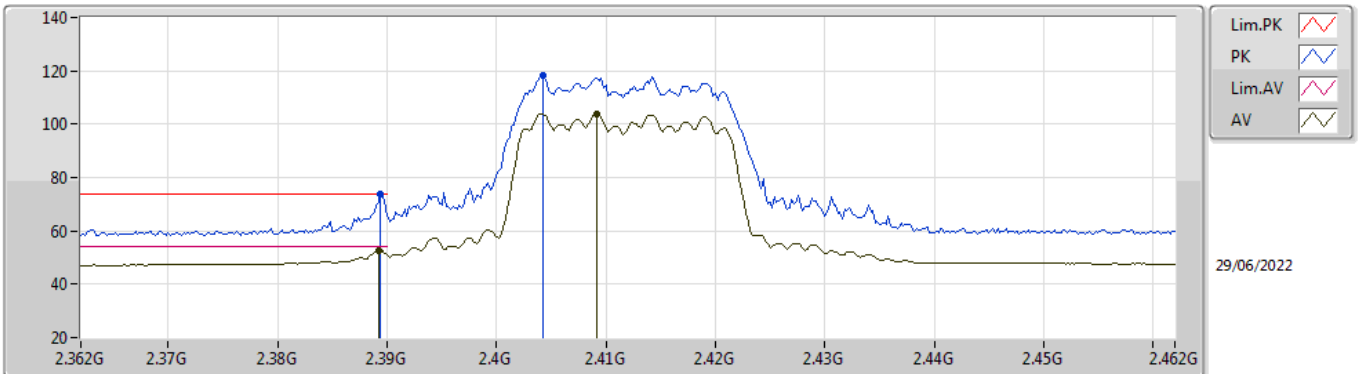


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3874G	73.43	74.00	-0.57	42.27	3	Vertical	286	1.21	-	28.37	2.79	-	
AV	2.3876G	53.30	54.00	-0.70	22.13	3	Vertical	286	1.21	-	28.38	2.79	-	
PK	2.4074G	121.33	Inf	-Inf	90.12	3	Vertical	286	1.21	-	28.40	2.81	-	
AV	2.4072G	107.55	Inf	-Inf	76.34	3	Vertical	286	1.21	-	28.40	2.81	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

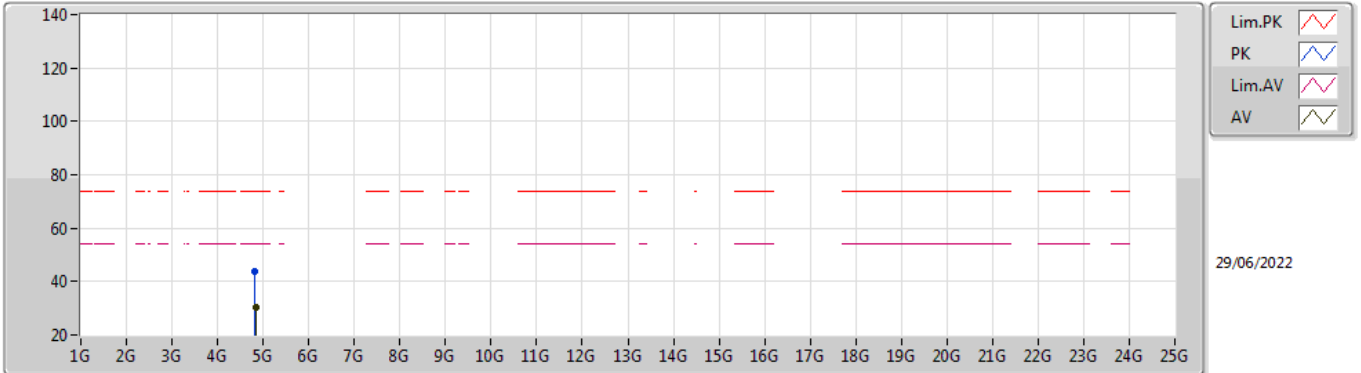


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3894G	73.55	74.00	-0.45	42.38	3	Horizontal	193	1.86	-	28.38	2.79	-	
AV	2.3892G	52.74	54.00	-1.26	21.57	3	Horizontal	193	1.86	-	28.38	2.79	-	
PK	2.4042G	118.25	Inf	-Inf	87.05	3	Horizontal	193	1.86	-	28.40	2.80	-	
AV	2.4092G	103.89	Inf	-Inf	72.68	3	Horizontal	193	1.86	-	28.40	2.81	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

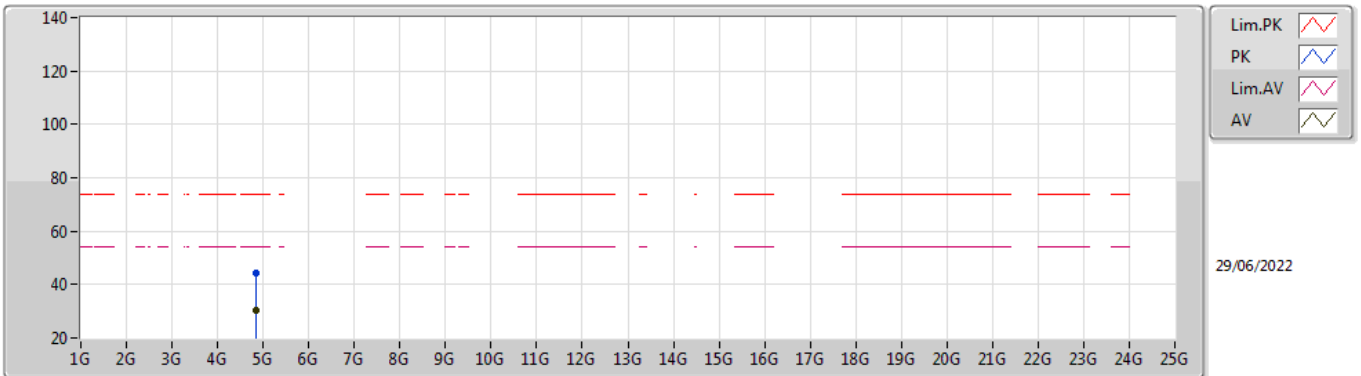


EUT X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81716G	43.93	74.00	-30.07	38.16	3	Vertical	32	1.46	-	32.90	5.10	32.23
AV	4.83354G	30.25	54.00	-23.75	24.37	3	Vertical	32	1.46	-	33.00	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

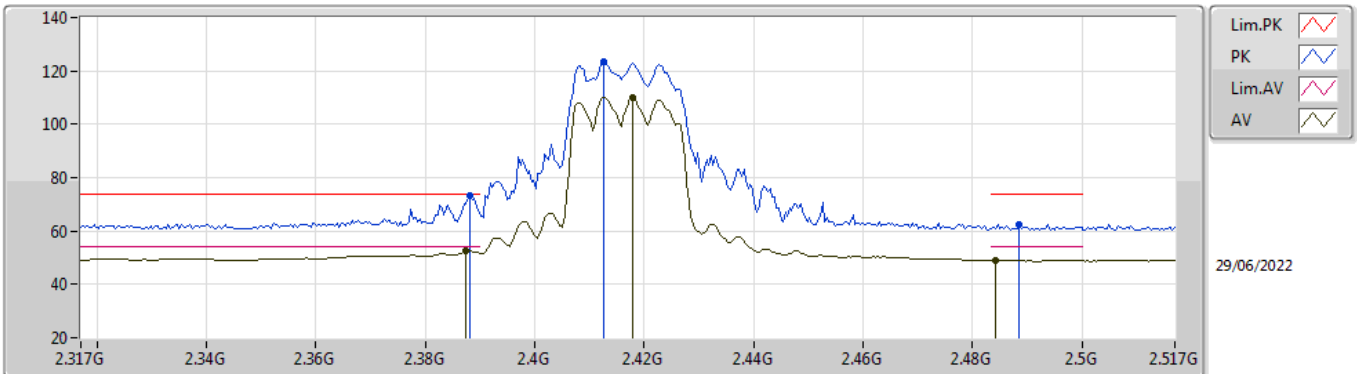


EUT X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83168G	44.07	74.00	-29.93	38.20	3	Horizontal	113	1.35	-	32.99	5.10	32.22
AV	4.8321G	30.25	54.00	-23.75	24.38	3	Horizontal	113	1.35	-	32.99	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

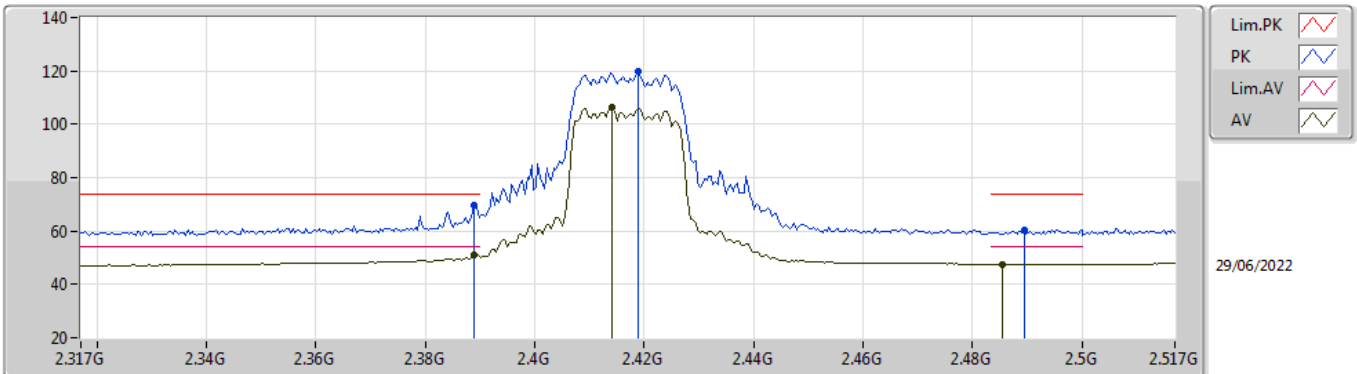


EUT X_4TX
Setting 79
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	73.50	74.00	-0.50	42.33	3	Vertical	270	1.60	-	28.38	2.79	-
AV	2.3874G	52.50	54.00	-1.50	21.34	3	Vertical	270	1.60	-	28.37	2.79	-
PK	2.4126G	123.30	Inf	-Inf	92.09	3	Vertical	270	1.60	-	28.40	2.81	-
AV	2.4178G	110.04	Inf	-Inf	78.82	3	Vertical	270	1.60	-	28.40	2.82	-
PK	2.4886G	62.37	74.00	-11.63	30.93	3	Vertical	270	1.60	-	28.55	2.89	-
AV	2.4842G	49.06	54.00	-4.94	17.64	3	Vertical	270	1.60	-	28.54	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

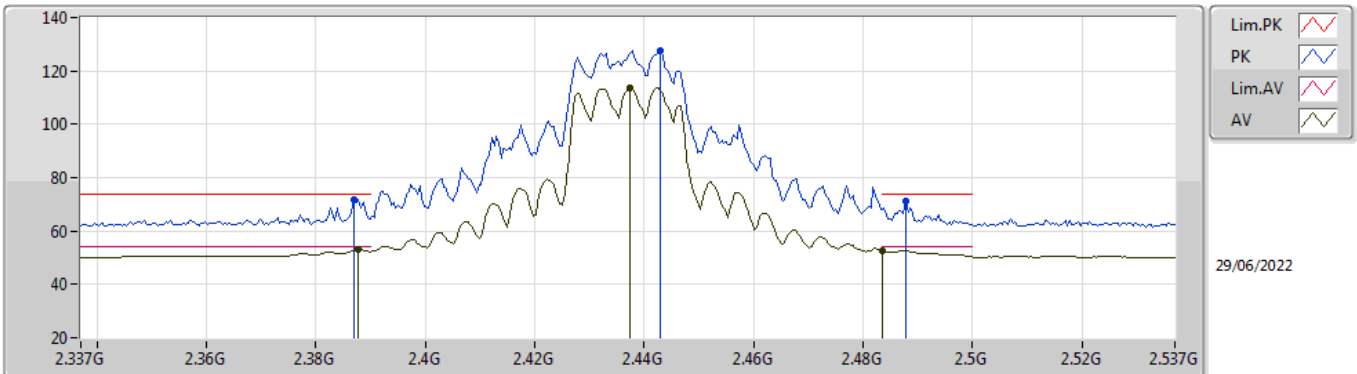


EUT X_4TX
Setting 79
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	69.88	74.00	-4.12	38.71	3	Horizontal	193	2.14	-	28.38	2.79	-
AV	2.389G	50.82	54.00	-3.18	19.65	3	Horizontal	193	2.14	-	28.38	2.79	-
PK	2.419G	119.96	Inf	-Inf	88.74	3	Horizontal	193	2.14	-	28.40	2.82	-
AV	2.4142G	106.22	Inf	-Inf	75.01	3	Horizontal	193	2.14	-	28.40	2.81	-
PK	2.4894G	60.53	74.00	-13.47	29.08	3	Horizontal	193	2.14	-	28.56	2.89	-
AV	2.4854G	47.63	54.00	-6.37	16.20	3	Horizontal	193	2.14	-	28.54	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

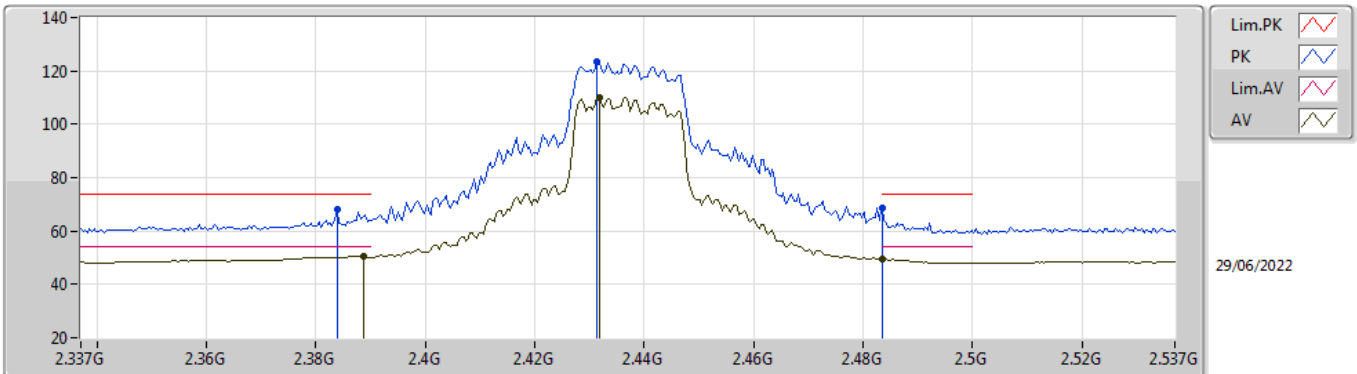


EUT X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	71.95	74.00	-2.05	40.79	3	Vertical	270	1.00	-	28.37	2.79	-
AV	2.3878G	53.12	54.00	-0.88	21.95	3	Vertical	270	1.00	-	28.38	2.79	-
PK	2.443G	127.53	Inf	-Inf	96.29	3	Vertical	270	1.00	-	28.40	2.84	-
AV	2.4374G	113.80	Inf	-Inf	82.56	3	Vertical	270	1.00	-	28.40	2.84	-
PK	2.4878G	71.10	74.00	-2.90	39.66	3	Vertical	270	1.00	-	28.55	2.89	-
AV	2.4835G	52.72	54.00	-1.28	21.31	3	Vertical	270	1.00	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

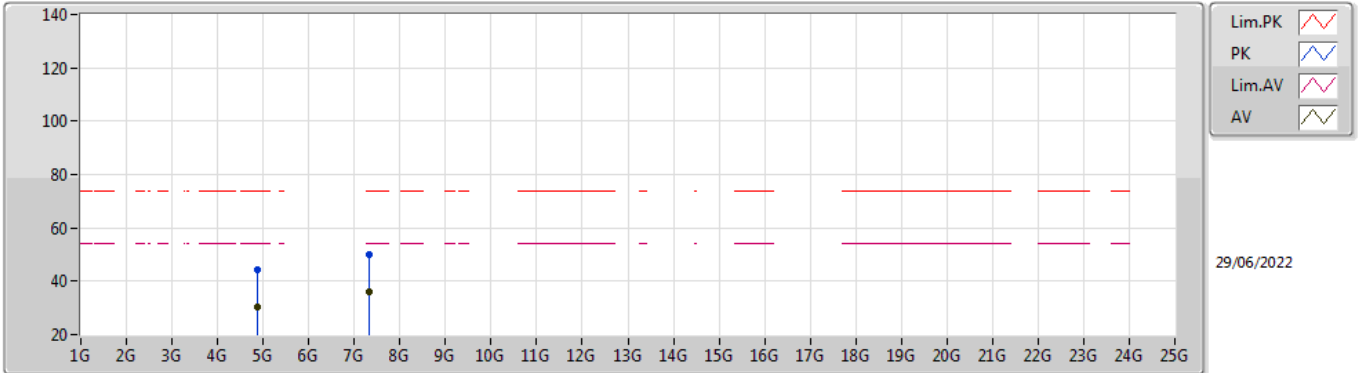


EUT X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	68.03	74.00	-5.97	36.87	3	Horizontal	186	2.95	-	28.37	2.79	-
AV	2.3886G	50.72	54.00	-3.28	19.55	3	Horizontal	186	2.95	-	28.38	2.79	-
PK	2.4314G	123.42	Inf	-Inf	92.19	3	Horizontal	186	2.95	-	28.40	2.83	-
AV	2.4318G	110.15	Inf	-Inf	78.92	3	Horizontal	186	2.95	-	28.40	2.83	-
PK	2.4835G	68.75	74.00	-5.25	37.34	3	Horizontal	186	2.95	-	28.53	2.88	-
AV	2.4835G	49.47	54.00	-4.53	18.06	3	Horizontal	186	2.95	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

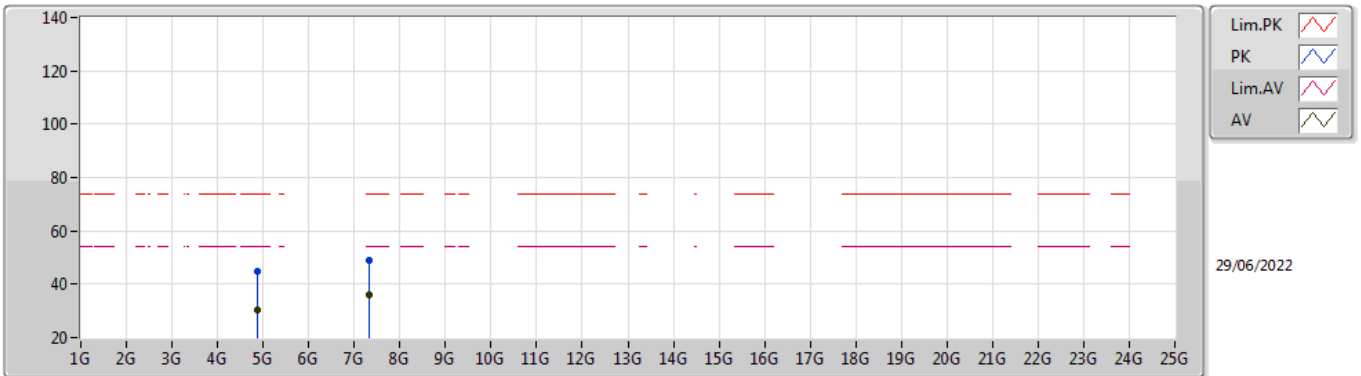


EUT X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.88576G	44.28	74.00	-29.72	38.21	3	Vertical	236	1.09	-	33.17	5.10	32.20	
AV	4.86404G	30.54	54.00	-23.46	24.52	3	Vertical	236	1.09	-	33.13	5.10	32.21	
PK	7.32198G	49.90	74.00	-24.10	40.14	3	Vertical	100	2.37	-	36.44	6.16	32.84	
AV	7.32378G	35.95	54.00	-18.05	26.18	3	Vertical	100	2.37	-	36.45	6.16	32.84	

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

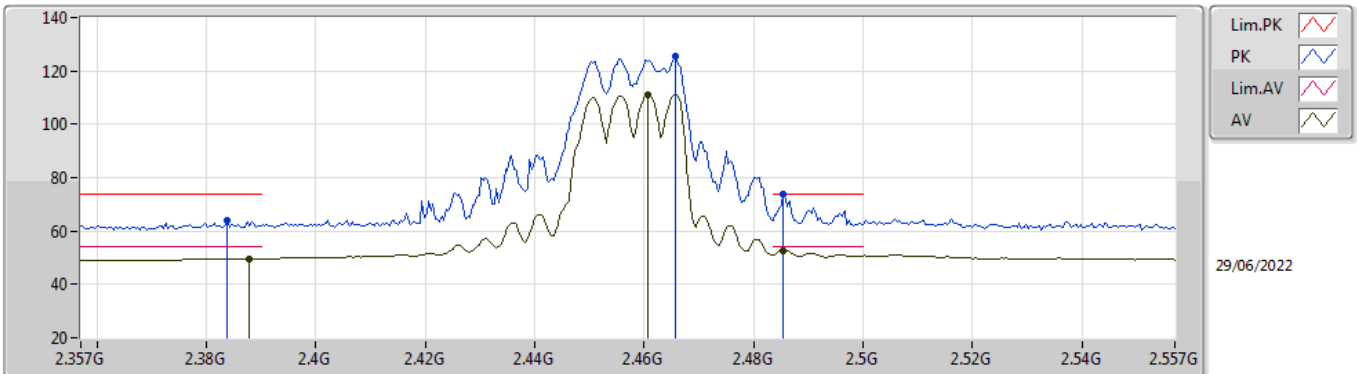


EUT X_4TX
Setting 94
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87514G	44.91	74.00	-29.09	38.86	3	Horizontal	95	2.06	-	33.15	5.10	32.20	
AV	4.87322G	30.41	54.00	-23.59	24.37	3	Horizontal	95	2.06	-	33.15	5.10	32.21	
PK	7.31412G	49.21	74.00	-24.79	39.45	3	Horizontal	262	1.24	-	36.43	6.16	32.83	
AV	7.32102G	36.01	54.00	-17.99	26.25	3	Horizontal	262	1.24	-	36.44	6.16	32.84	

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

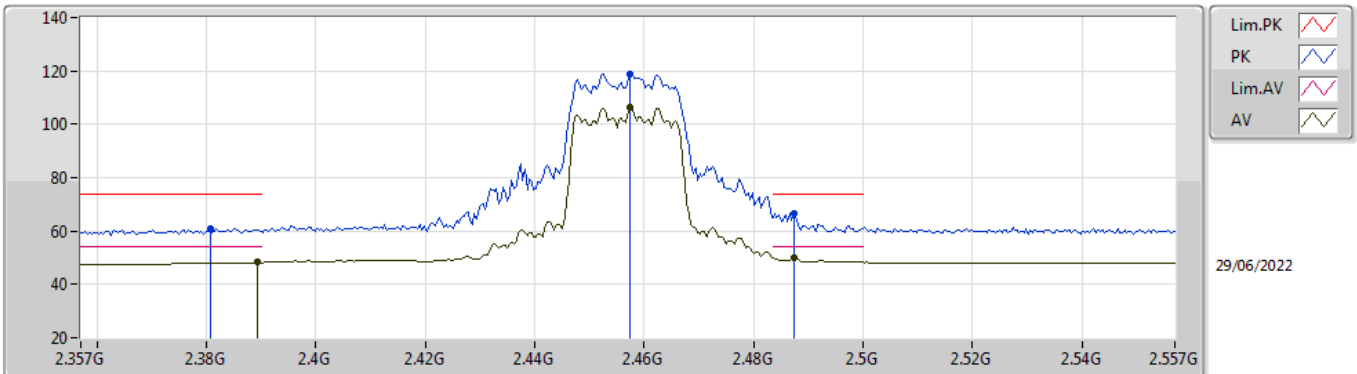


EUT X_4TX
Setting 82
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	63.74	74.00	-10.26	32.58	3	Vertical	276	1.80	-	28.37	2.79	-
AV	2.3878G	49.74	54.00	-4.26	18.57	3	Vertical	276	1.80	-	28.38	2.79	-
PK	2.4658G	125.72	Inf	-Inf	94.39	3	Vertical	276	1.80	-	28.46	2.87	-
AV	2.4606G	110.95	Inf	-Inf	79.65	3	Vertical	276	1.80	-	28.44	2.86	-
PK	2.4854G	73.85	74.00	-0.15	42.42	3	Vertical	276	1.80	-	28.54	2.89	-
AV	2.4854G	52.82	54.00	-1.18	21.39	3	Vertical	276	1.80	-	28.54	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

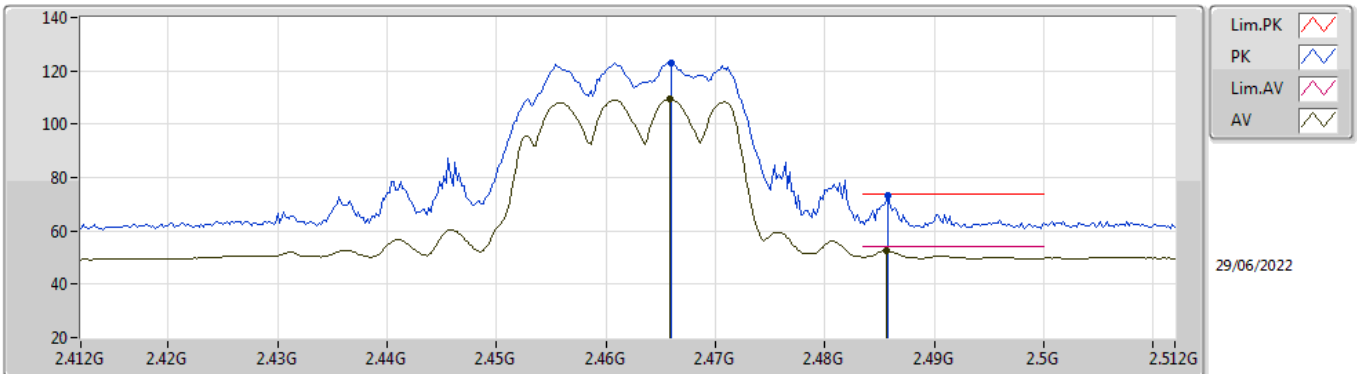


EUT X_4TX
Setting 82
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3806G	61.06	74.00	-12.94	29.91	3	Horizontal	193	1.70	-	28.36	2.79	-
AV	2.3894G	48.21	54.00	-5.79	17.04	3	Horizontal	193	1.70	-	28.38	2.79	-
PK	2.4574G	118.85	Inf	-Inf	87.56	3	Horizontal	193	1.70	-	28.43	2.86	-
AV	2.4574G	106.15	Inf	-Inf	74.86	3	Horizontal	193	1.70	-	28.43	2.86	-
PK	2.4874G	66.61	74.00	-7.39	35.17	3	Horizontal	193	1.70	-	28.55	2.89	-
AV	2.4874G	50.09	54.00	-3.91	18.65	3	Horizontal	193	1.70	-	28.55	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

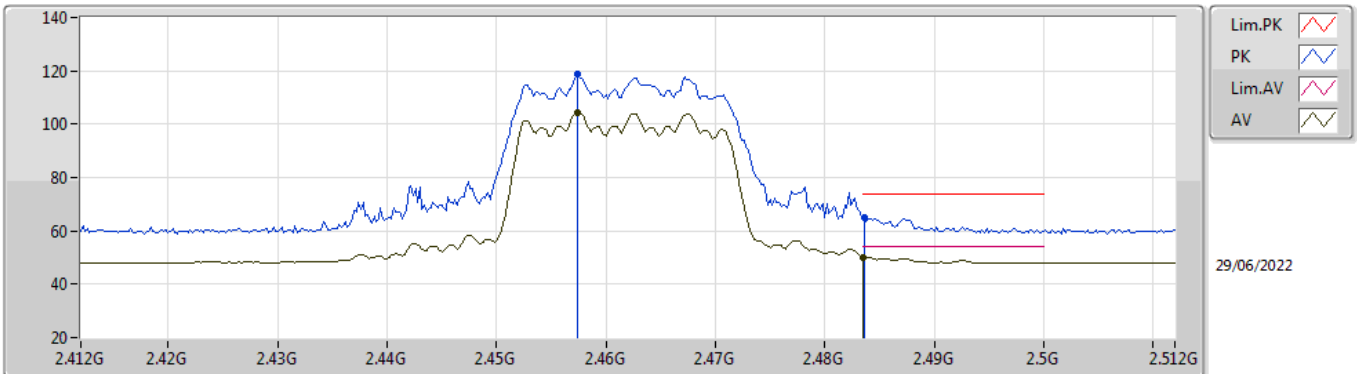


EUT_X_4TX
Setting 74
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.466G	122.93	Inf	-Inf	91.60	3	Vertical	268	1.80	-	28.46	2.87	-
AV	2.4658G	109.30	Inf	-Inf	77.97	3	Vertical	268	1.80	-	28.46	2.87	-
PK	2.4858G	73.27	74.00	-0.73	41.84	3	Vertical	268	1.80	-	28.54	2.89	-
AV	2.4856G	52.54	54.00	-1.46	21.11	3	Vertical	268	1.80	-	28.54	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

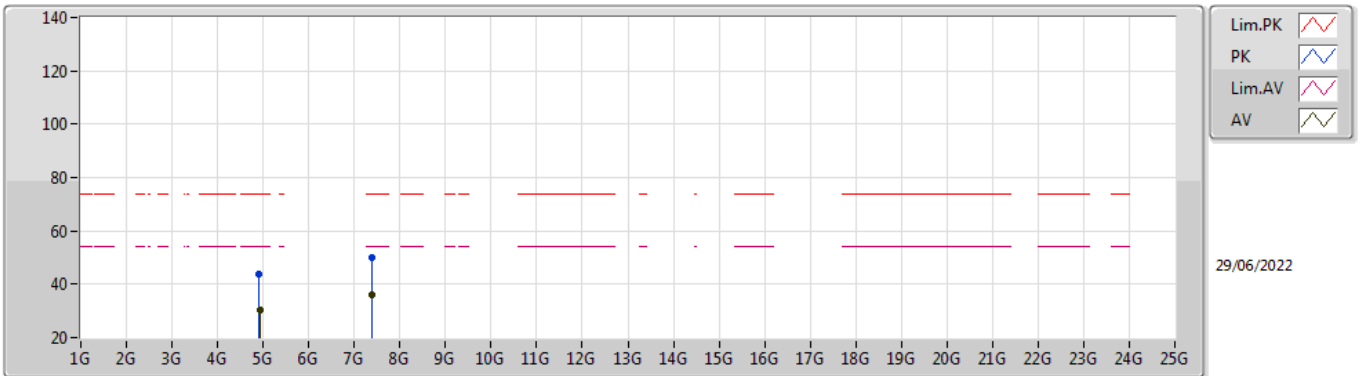


EUT X_4TX
Setting 74
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4574G	118.96	Inf	-Inf	87.67	3	Horizontal	189	1.70	-	28.43	2.86	-	
AV	2.4574G	104.33	Inf	-Inf	73.04	3	Horizontal	189	1.70	-	28.43	2.86	-	
PK	2.4836G	64.87	74.00	-9.13	33.46	3	Horizontal	189	1.70	-	28.53	2.88	-	
AV	2.4835G	50.14	54.00	-3.86	18.73	3	Horizontal	189	1.70	-	28.53	2.88	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

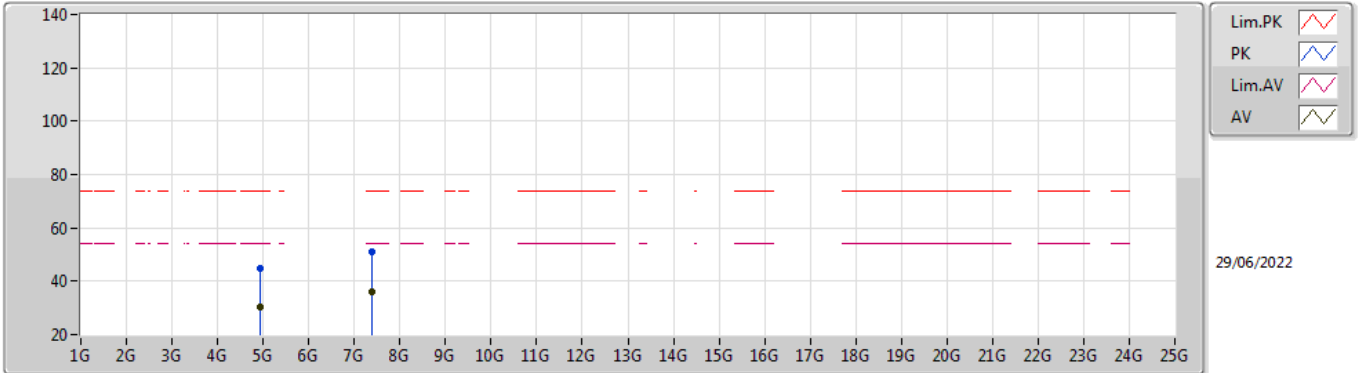


EUT_X_4TX
Setting 74
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90912G	43.90	74.00	-30.10	37.77	3	Vertical	317	1.22	-	33.22	5.10	32.19
AV	4.9348G	30.43	54.00	-23.57	24.24	3	Vertical	317	1.22	-	33.27	5.10	32.18
PK	7.3788G	49.84	74.00	-24.16	40.09	3	Vertical	259	2.84	-	36.50	6.19	32.94
AV	7.37292G	36.02	54.00	-17.98	26.26	3	Vertical	259	2.84	-	36.50	6.19	32.93

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

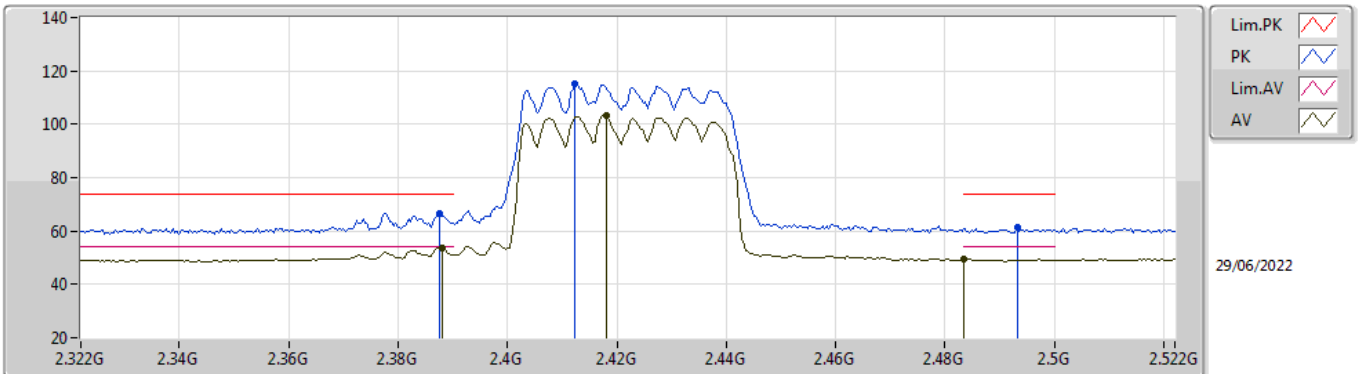


EUT_X_4TX
Setting 74
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.93408G	44.58	74.00	-29.42	38.39	3	Horizontal	227	1.60	-	33.27	5.10	32.18	
AV	4.92688G	30.36	54.00	-23.64	24.20	3	Horizontal	227	1.60	-	33.25	5.10	32.19	
PK	7.39206G	50.85	74.00	-23.15	41.11	3	Horizontal	17	1.28	-	36.50	6.20	32.96	
AV	7.37454G	36.05	54.00	-17.95	26.29	3	Horizontal	17	1.28	-	36.50	6.19	32.93	

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

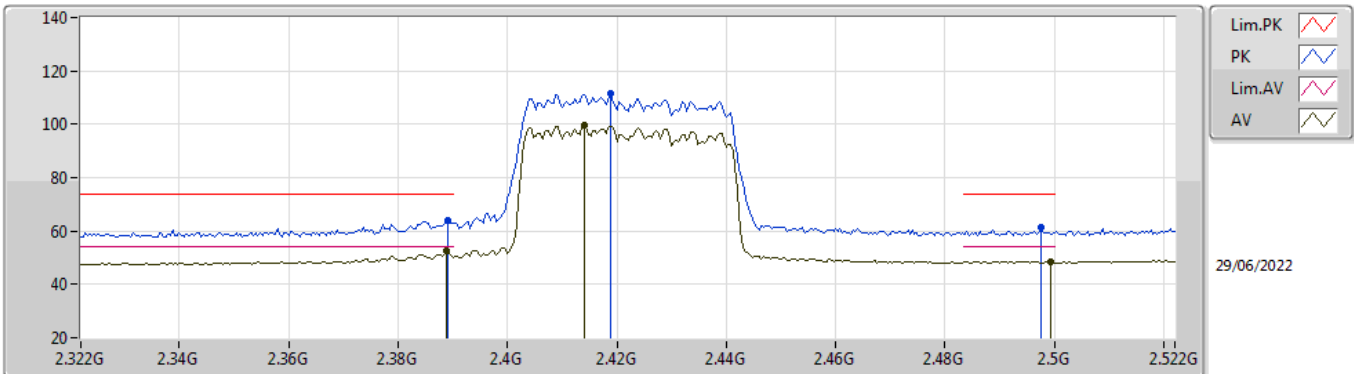


EUT X_4TX
Setting 56
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3876G	66.72	74.00	-7.28	35.55	3	Vertical	272	1.61	-	28.38	2.79	-
AV	2.388G	53.67	54.00	-0.33	22.50	3	Vertical	272	1.61	-	28.38	2.79	-
PK	2.4124G	115.34	Inf	-Inf	84.13	3	Vertical	272	1.61	-	28.40	2.81	-
AV	2.418G	103.26	Inf	-Inf	72.04	3	Vertical	272	1.61	-	28.40	2.82	-
PK	2.4932G	61.35	74.00	-12.65	29.89	3	Vertical	272	1.61	-	28.57	2.89	-
AV	2.4835G	49.35	54.00	-4.65	17.94	3	Vertical	272	1.61	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

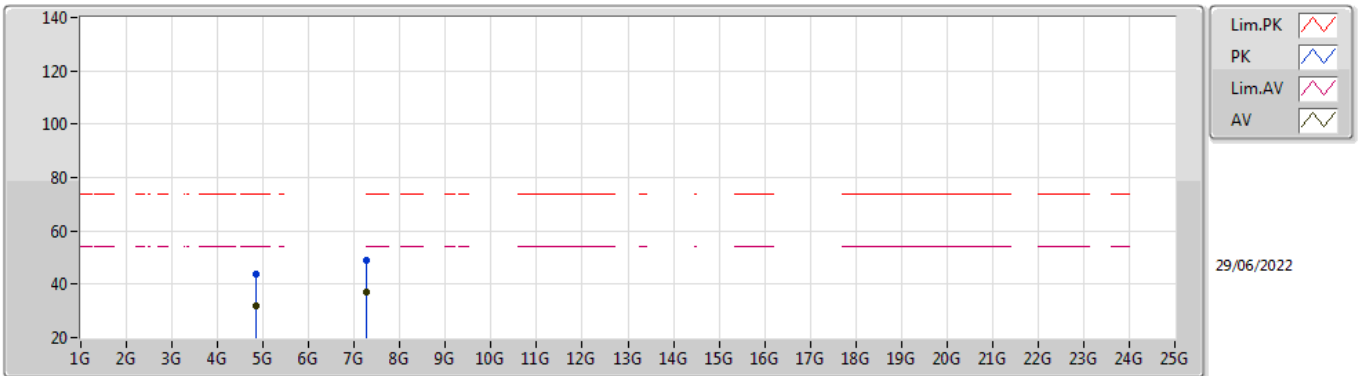


EUT X_4TX
Setting 56
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	63.72	74.00	-10.28	32.55	3	Horizontal	192	2.15	-	28.38	2.79	-
AV	2.3888G	52.39	54.00	-1.61	21.22	3	Horizontal	192	2.15	-	28.38	2.79	-
PK	2.4188G	111.50	Inf	-Inf	80.28	3	Horizontal	192	2.15	-	28.40	2.82	-
AV	2.414G	99.42	Inf	-Inf	68.21	3	Horizontal	192	2.15	-	28.40	2.81	-
PK	2.4976G	61.28	74.00	-12.72	29.79	3	Horizontal	192	2.15	-	28.59	2.90	-
AV	2.4992G	48.62	54.00	-5.38	17.12	3	Horizontal	192	2.15	-	28.60	2.90	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

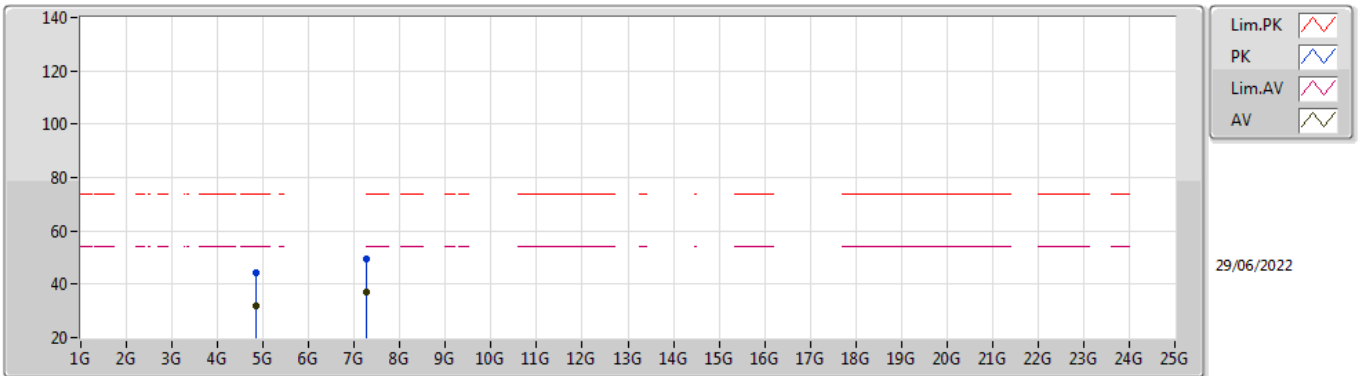


EUT_X_4TX
Setting 56
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.835G	43.79	74.00	-30.21	37.90	3	Vertical	321	2.48	-	33.01	5.10	32.22	
AV	4.84598G	32.03	54.00	-21.97	26.07	3	Vertical	321	2.48	-	33.08	5.10	32.22	
PK	7.27386G	49.04	74.00	-24.96	39.36	3	Vertical	220	1.11	-	36.30	6.14	32.76	
AV	7.27794G	37.09	54.00	-16.91	27.40	3	Vertical	220	1.11	-	36.31	6.14	32.76	

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

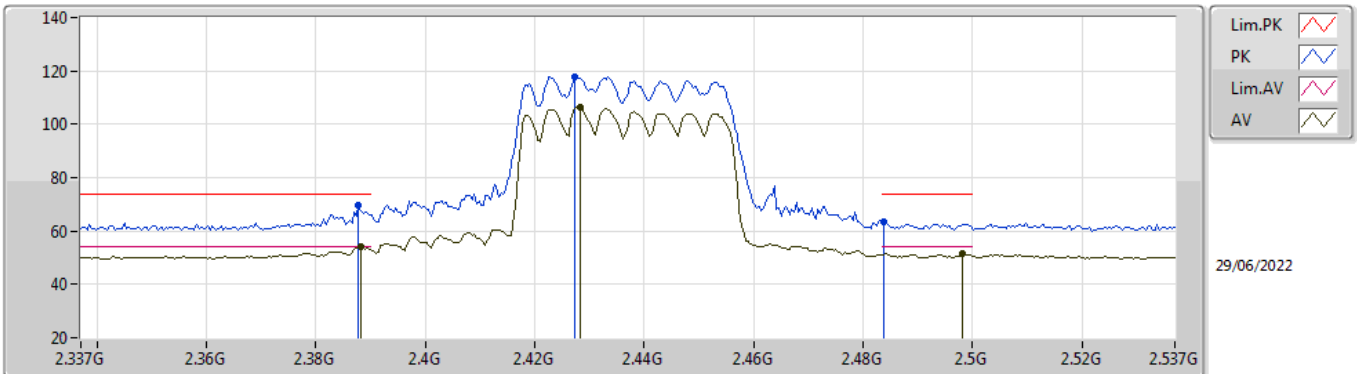


EUT_X_4TX
Setting 56
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8383G	44.40	74.00	-29.60	38.49	3	Horizontal	209	1.97	-	33.03	5.10	32.22	
AV	4.85564G	32.04	54.00	-21.96	26.04	3	Horizontal	209	1.97	-	33.11	5.10	32.21	
PK	7.25892G	49.39	74.00	-24.61	39.75	3	Horizontal	52	1.75	-	36.24	6.13	32.73	
AV	7.25556G	37.08	54.00	-16.92	27.45	3	Horizontal	52	1.75	-	36.22	6.13	32.72	

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

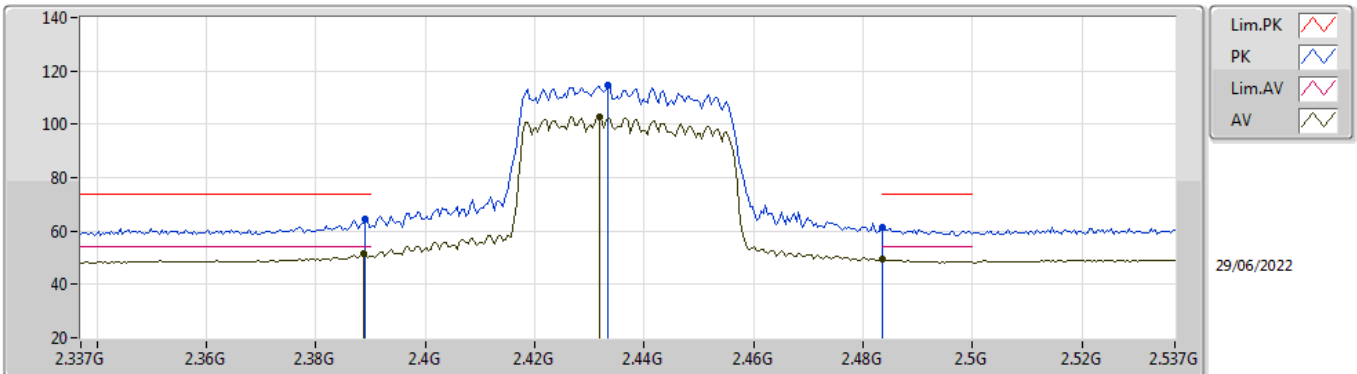


EUT X_4TX
Setting 68
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	69.54	74.00	-4.46	38.37	3	Vertical	270	1.82	-	28.38	2.79	-
AV	2.3882G	53.95	54.00	-0.05	22.78	3	Vertical	270	1.82	-	28.38	2.79	-
PK	2.4274G	117.85	Inf	-Inf	86.62	3	Vertical	270	1.82	-	28.40	2.83	-
AV	2.4282G	106.44	Inf	-Inf	75.21	3	Vertical	270	1.82	-	28.40	2.83	-
PK	2.4838G	63.64	74.00	-10.36	32.22	3	Vertical	270	1.82	-	28.54	2.88	-
AV	2.4982G	51.42	54.00	-2.58	19.93	3	Vertical	270	1.82	-	28.59	2.90	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

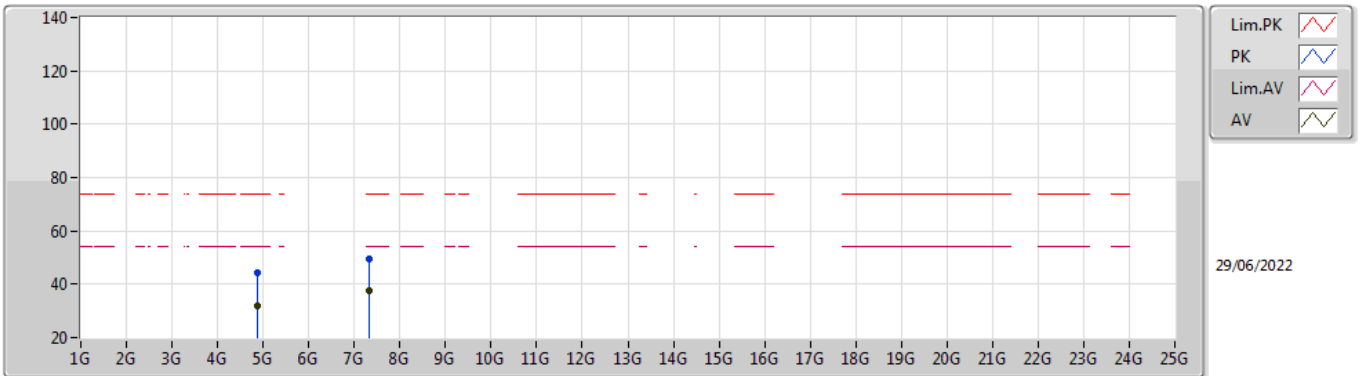


EUT X_4TX
Setting 68
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	64.50	74.00	-9.50	33.33	3	Horizontal	186	2.95	-	28.38	2.79	-
AV	2.3886G	51.41	54.00	-2.59	20.24	3	Horizontal	186	2.95	-	28.38	2.79	-
PK	2.4334G	114.77	Inf	-Inf	83.54	3	Horizontal	186	2.95	-	28.40	2.83	-
AV	2.4318G	102.93	Inf	-Inf	71.70	3	Horizontal	186	2.95	-	28.40	2.83	-
PK	2.4835G	61.38	74.00	-12.62	29.97	3	Horizontal	186	2.95	-	28.53	2.88	-
AV	2.4835G	49.27	54.00	-4.73	17.86	3	Horizontal	186	2.95	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

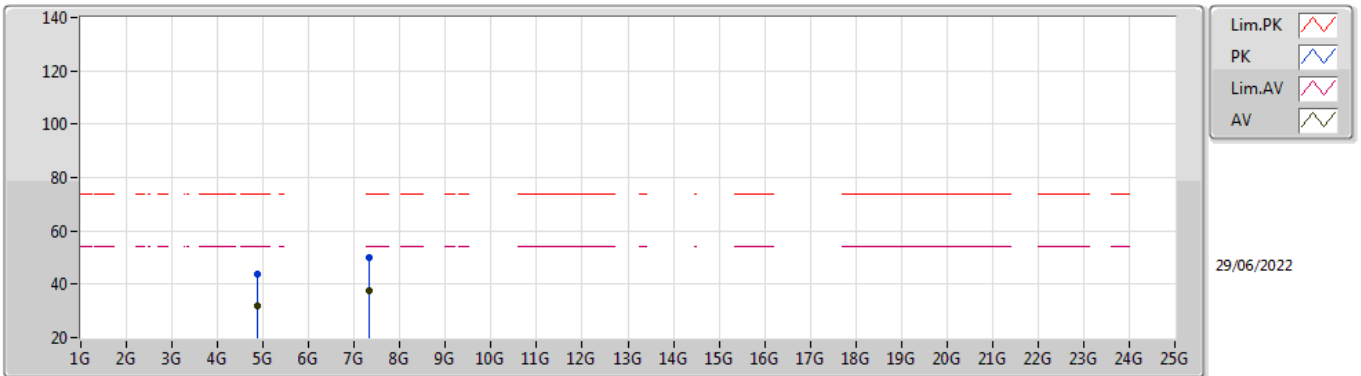


EUT_X_4TX
Setting 68
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8686G	44.42	74.00	-29.58	38.39	3	Vertical	250	2.60	-	33.14	5.10	32.21	
AV	4.86404G	31.69	54.00	-22.31	25.67	3	Vertical	250	2.60	-	33.13	5.10	32.21	
PK	7.32534G	49.62	74.00	-24.38	39.86	3	Vertical	265	1.58	-	36.45	6.16	32.85	
AV	7.31496G	37.49	54.00	-16.51	27.73	3	Vertical	265	1.58	-	36.43	6.16	32.83	

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

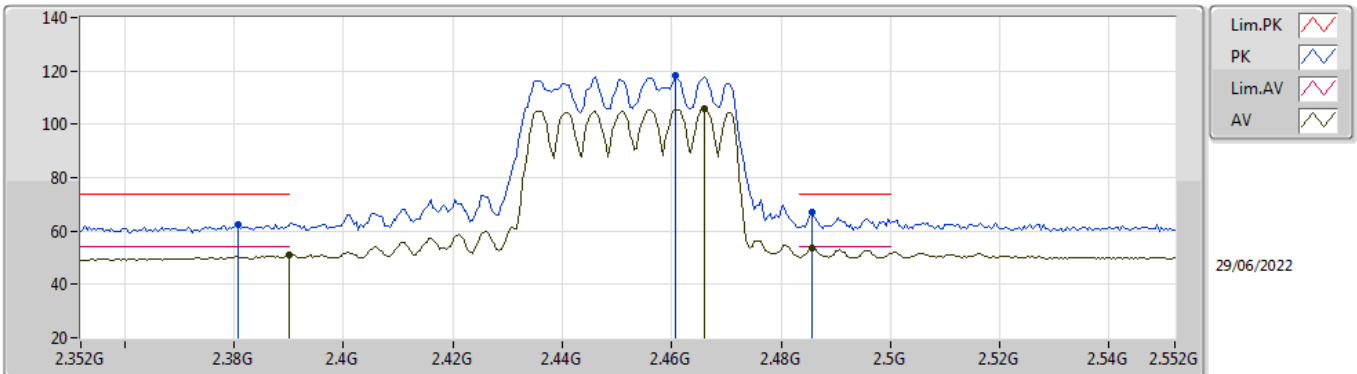


EUT_X_4TX
Setting 68
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8644G	43.63	74.00	-30.37	37.61	3	Horizontal	222	1.54	-	33.13	5.10	32.21
AV	4.8755G	31.65	54.00	-22.35	25.60	3	Horizontal	222	1.54	-	33.15	5.10	32.20
PK	7.31712G	49.98	74.00	-24.02	40.22	3	Horizontal	285	1.74	-	36.43	6.16	32.83
AV	7.3233G	37.37	54.00	-16.63	27.60	3	Horizontal	285	1.74	-	36.45	6.16	32.84

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

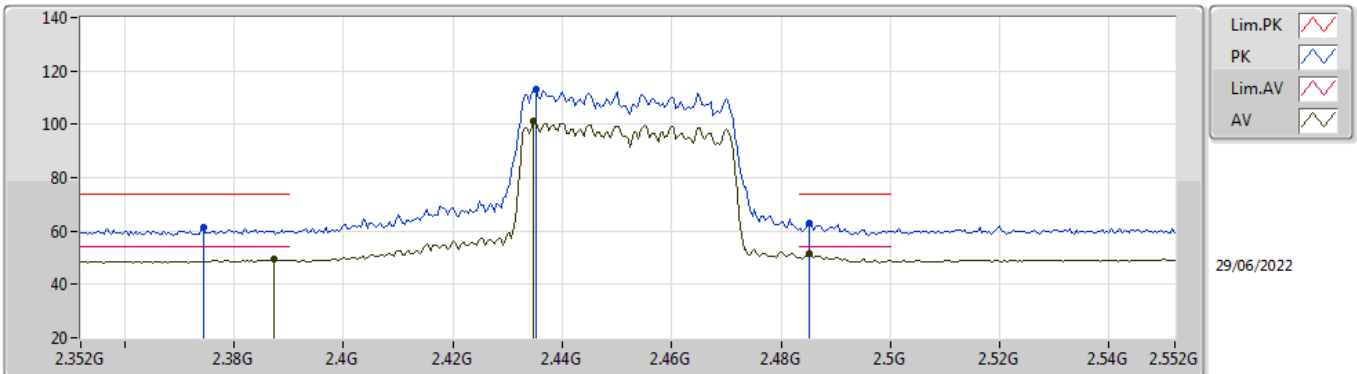


EUT X_4TX
Setting 65
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3808G	62.42	74.00	-11.58	31.27	3	Vertical	271	1.76	-	28.36	2.79	-
AV	2.39G	51.03	54.00	-2.97	19.86	3	Vertical	271	1.76	-	28.38	2.79	-
PK	2.4608G	118.33	Inf	-Inf	87.03	3	Vertical	271	1.76	-	28.44	2.86	-
AV	2.466G	105.74	Inf	-Inf	74.41	3	Vertical	271	1.76	-	28.46	2.87	-
PK	2.4856G	66.92	74.00	-7.08	35.49	3	Vertical	271	1.76	-	28.54	2.89	-
AV	2.4856G	53.74	54.00	-0.26	22.31	3	Vertical	271	1.76	-	28.54	2.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

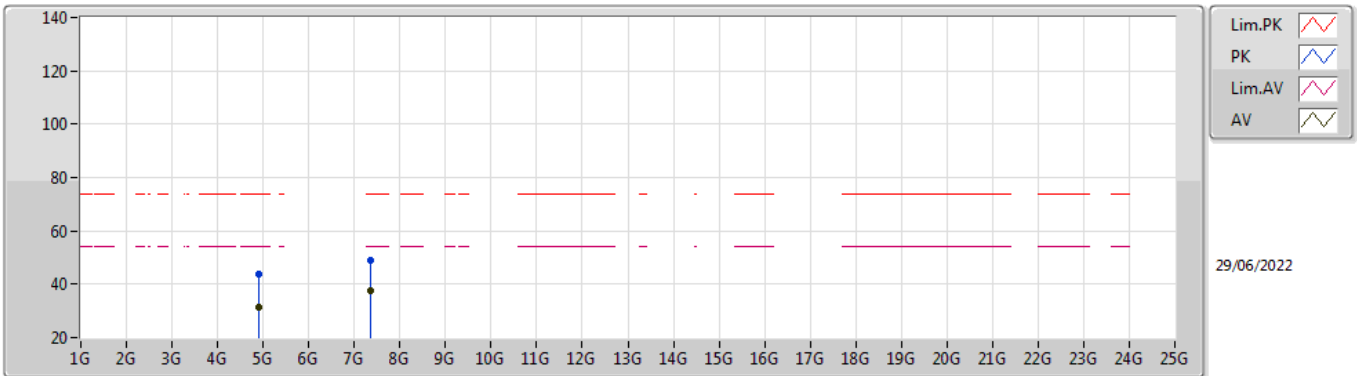


EUT X_4TX
Setting 65
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3744G	61.26	74.00	-12.74	30.12	3	Horizontal	188	2.95	-	28.35	2.79	-
AV	2.3872G	49.37	54.00	-4.63	18.21	3	Horizontal	188	2.95	-	28.37	2.79	-
PK	2.4352G	113.19	Inf	-Inf	81.95	3	Horizontal	188	2.95	-	28.40	2.84	-
AV	2.4348G	101.46	Inf	-Inf	70.23	3	Horizontal	188	2.95	-	28.40	2.83	-
PK	2.4852G	62.87	74.00	-11.13	31.44	3	Horizontal	188	2.95	-	28.54	2.89	-
AV	2.4852G	51.30	54.00	-2.70	19.87	3	Horizontal	188	2.95	-	28.54	2.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

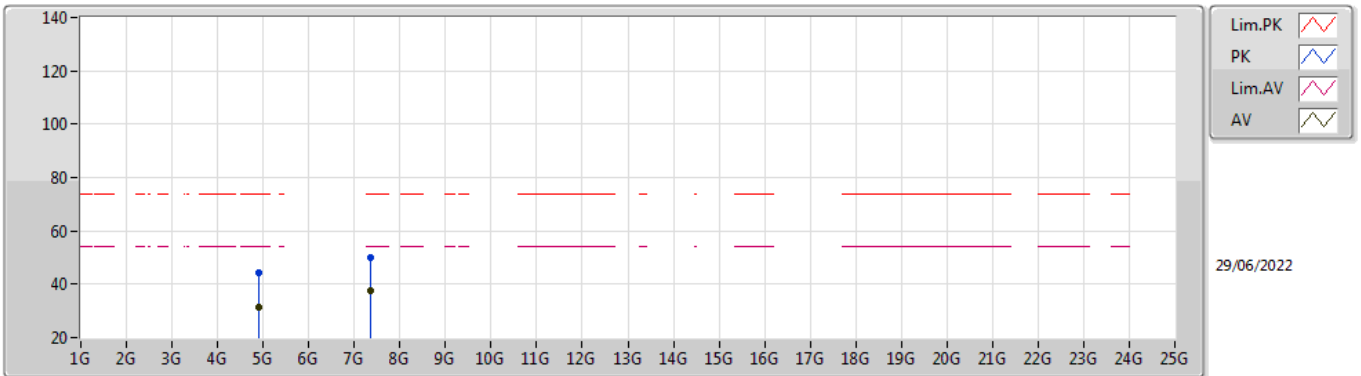


EUT_X_4TX
Setting 65
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.91744G	43.74	74.00	-30.26	37.60	3	Vertical	321	2.27	-	33.23	5.10	32.19	
AV	4.91774G	31.48	54.00	-22.52	25.33	3	Vertical	321	2.27	-	33.24	5.10	32.19	
PK	7.3617G	49.17	74.00	-24.83	39.40	3	Vertical	90	2.83	-	36.50	6.18	32.91	
AV	7.3554G	37.52	54.00	-16.48	27.74	3	Vertical	90	2.83	-	36.50	6.18	32.90	

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX



EUT_X_4TX
Setting 65
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8932G	44.43	74.00	-29.57	38.34	3	Horizontal	252	1.39	-	33.19	5.10	32.20
AV	4.89248G	31.56	54.00	-22.44	25.48	3	Horizontal	252	1.39	-	33.18	5.10	32.20
PK	7.35348G	50.01	74.00	-23.99	40.23	3	Horizontal	277	1.59	-	36.50	6.18	32.90
AV	7.37028G	37.49	54.00	-16.51	27.72	3	Horizontal	277	1.59	-	36.50	6.19	32.92



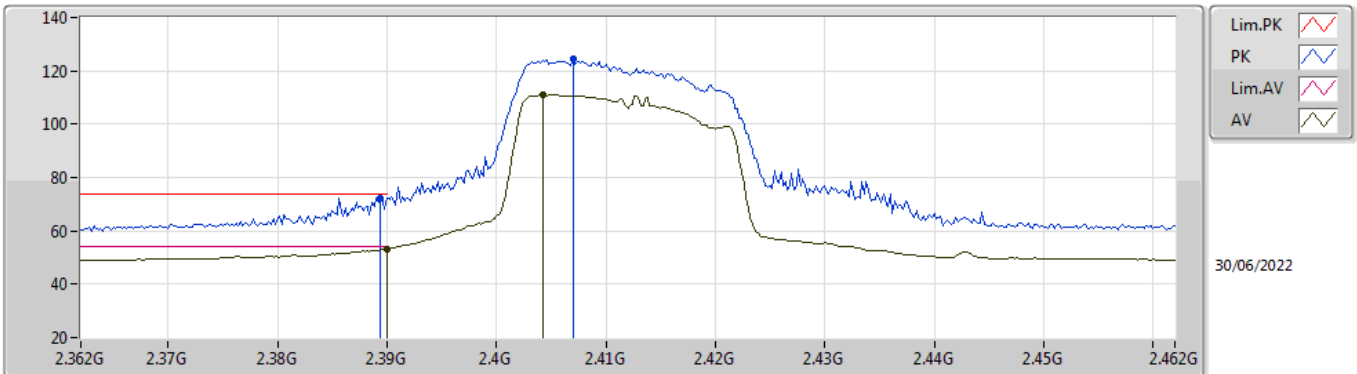
For beamforming mode:

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	PK	2.4846G	73.99	74.00	-0.01	3	Vertical	280	1.43	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

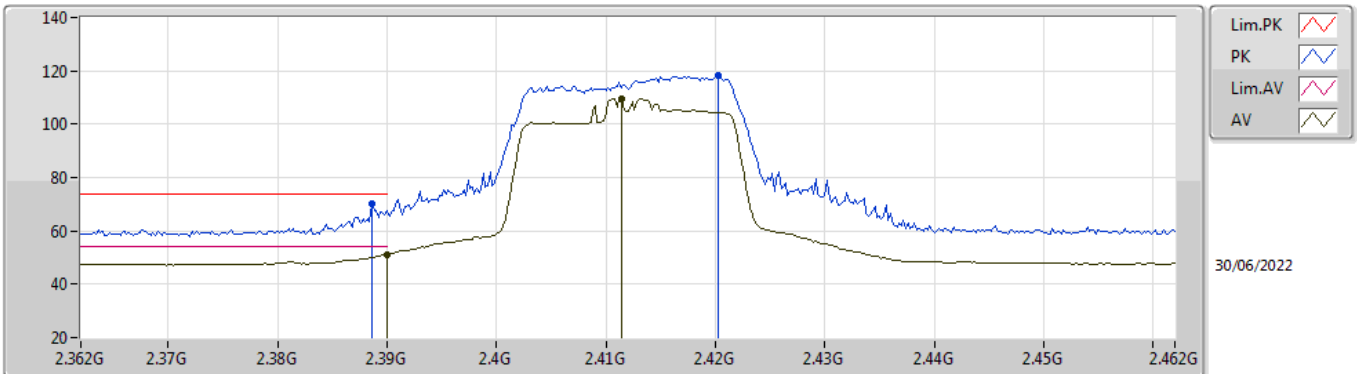


EUT_X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3894G	72.47	74.00	-1.53	41.30	3	Vertical	250	1.24	-	28.38	2.79	-	
AV	2.39G	53.25	54.00	-0.75	22.08	3	Vertical	250	1.24	-	28.38	2.79	-	
PK	2.407G	124.30	Inf	-Inf	93.09	3	Vertical	250	1.24	-	28.40	2.81	-	
AV	2.4042G	110.92	Inf	-Inf	79.72	3	Vertical	250	1.24	-	28.40	2.80	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

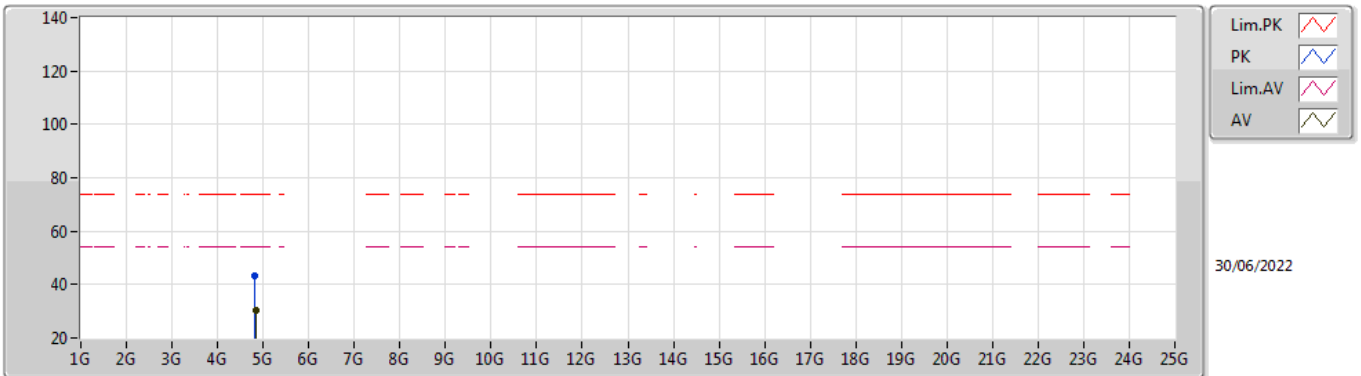


EUT_X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3886G	70.18	74.00	-3.82	39.01	3	Horizontal	348.8	2.53	-	28.38	2.79	-	
AV	2.39G	50.91	54.00	-3.09	19.74	3	Horizontal	348.8	2.53	-	28.38	2.79	-	
PK	2.4202G	118.07	Inf	-Inf	86.85	3	Horizontal	348.8	2.53	-	28.40	2.82	-	
AV	2.4114G	109.61	Inf	-Inf	78.40	3	Horizontal	348.8	2.53	-	28.40	2.81	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

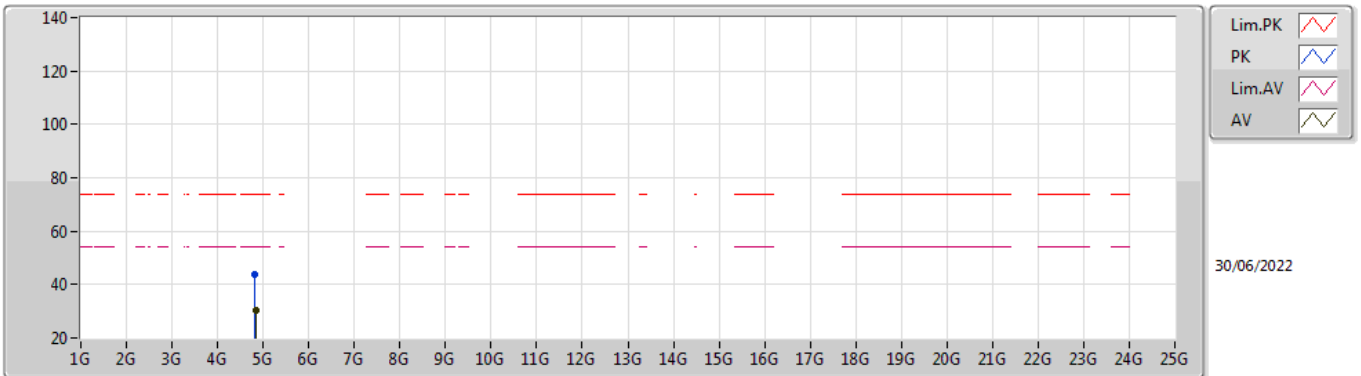


EUT X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.81842G	43.42	74.00	-30.58	37.64	3	Vertical	120	1.25	-	32.91	5.10	32.23	
AV	4.8333G	30.52	54.00	-23.48	24.64	3	Vertical	120	1.25	-	33.00	5.10	32.22	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

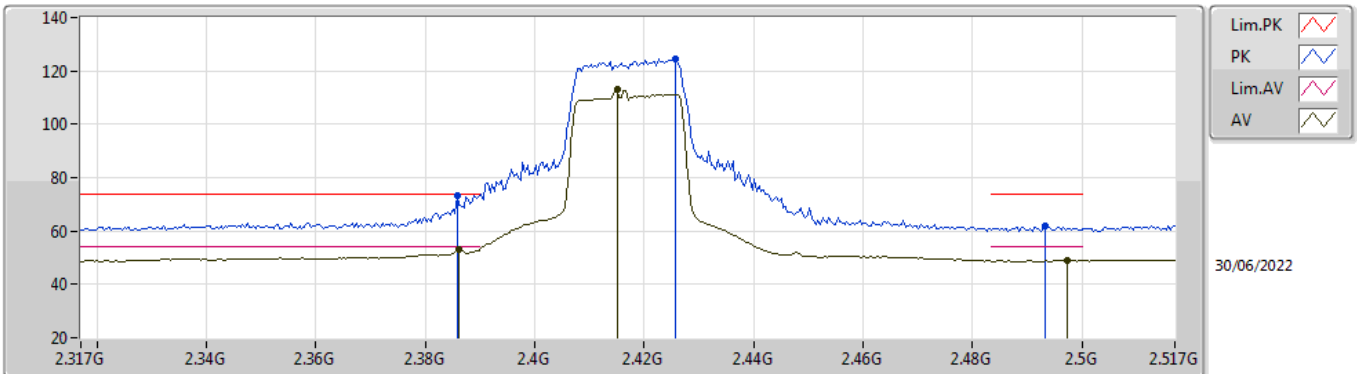


EUT X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81668G	43.81	74.00	-30.19	38.04	3	Horizontal	104	2.53	-	32.90	5.10	32.23
AV	4.83348G	30.49	54.00	-23.51	24.61	3	Horizontal	104	2.53	-	33.00	5.10	32.22

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

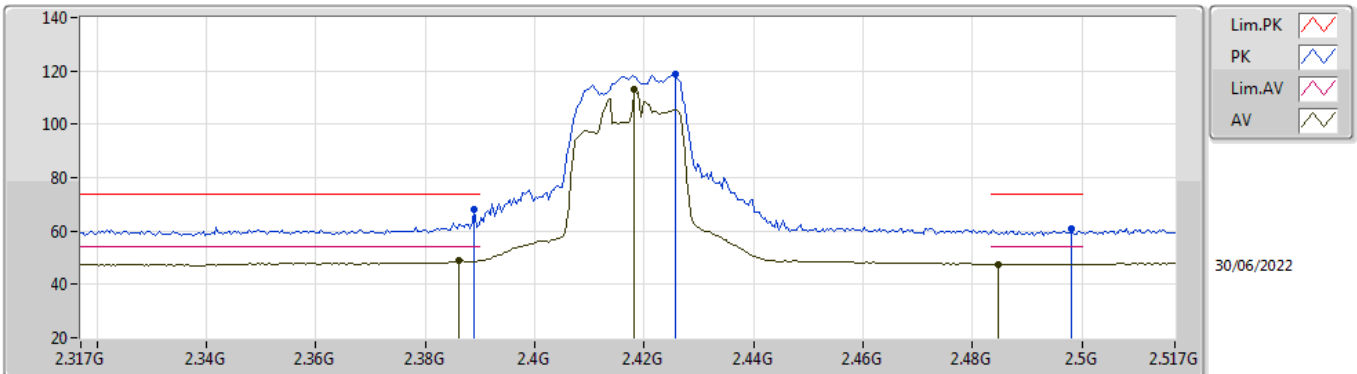


EUT_X_4TX
Setting 76
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	73.47	74.00	-0.53	42.31	3	Vertical	273	1.80	-	28.37	2.79	-
AV	2.3862G	53.16	54.00	-0.84	22.00	3	Vertical	273	1.80	-	28.37	2.79	-
PK	2.4258G	124.72	Inf	-Inf	93.49	3	Vertical	273	1.80	-	28.40	2.83	-
AV	2.415G	112.96	Inf	-Inf	81.75	3	Vertical	273	1.80	-	28.40	2.81	-
PK	2.4934G	61.80	74.00	-12.20	30.34	3	Vertical	273	1.80	-	28.57	2.89	-
AV	2.4974G	48.89	54.00	-5.11	17.40	3	Vertical	273	1.80	-	28.59	2.90	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

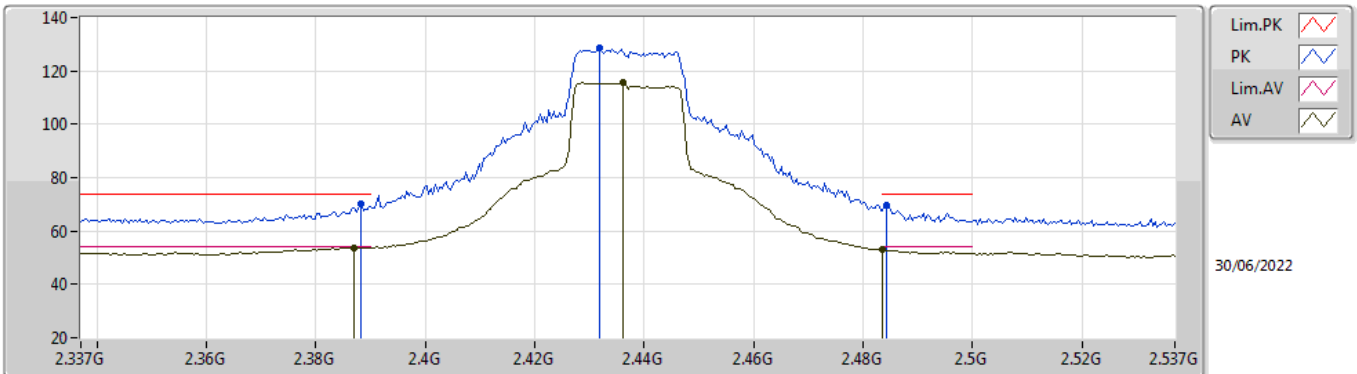


EUT X_4TX
Setting 76
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	67.96	74.00	-6.04	36.79	3	Horizontal	201	2.92	-	28.38	2.79	-
AV	2.3862G	48.93	54.00	-5.07	17.77	3	Horizontal	201	2.92	-	28.37	2.79	-
PK	2.4258G	118.64	Inf	-Inf	87.41	3	Horizontal	201	2.92	-	28.40	2.83	-
AV	2.4182G	112.96	Inf	-Inf	81.74	3	Horizontal	201	2.92	-	28.40	2.82	-
PK	2.4982G	60.84	74.00	-13.16	29.35	3	Horizontal	201	2.92	-	28.59	2.90	-
AV	2.4846G	47.61	54.00	-6.39	16.19	3	Horizontal	201	2.92	-	28.54	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

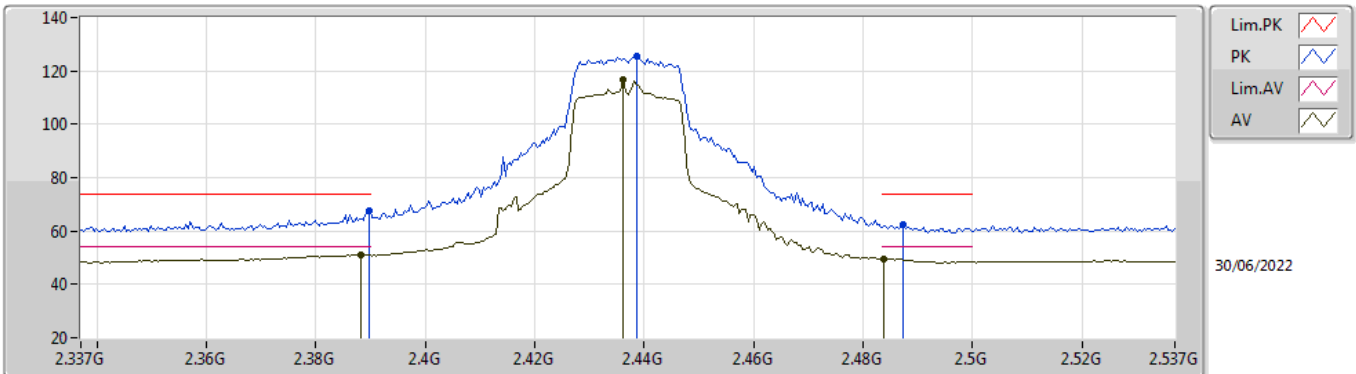


EUT X_4TX
Setting 95
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	70.36	74.00	-3.64	39.19	3	Vertical	260	1.90	-	28.38	2.79	-
AV	2.387G	53.82	54.00	-0.18	22.66	3	Vertical	260	1.90	-	28.37	2.79	-
PK	2.4318G	128.74	Inf	-Inf	97.51	3	Vertical	260	1.90	-	28.40	2.83	-
AV	2.4362G	115.66	Inf	-Inf	84.42	3	Vertical	260	1.90	-	28.40	2.84	-
PK	2.4842G	69.86	74.00	-4.14	38.44	3	Vertical	260	1.90	-	28.54	2.88	-
AV	2.4835G	52.91	54.00	-1.09	21.50	3	Vertical	260	1.90	-	28.53	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

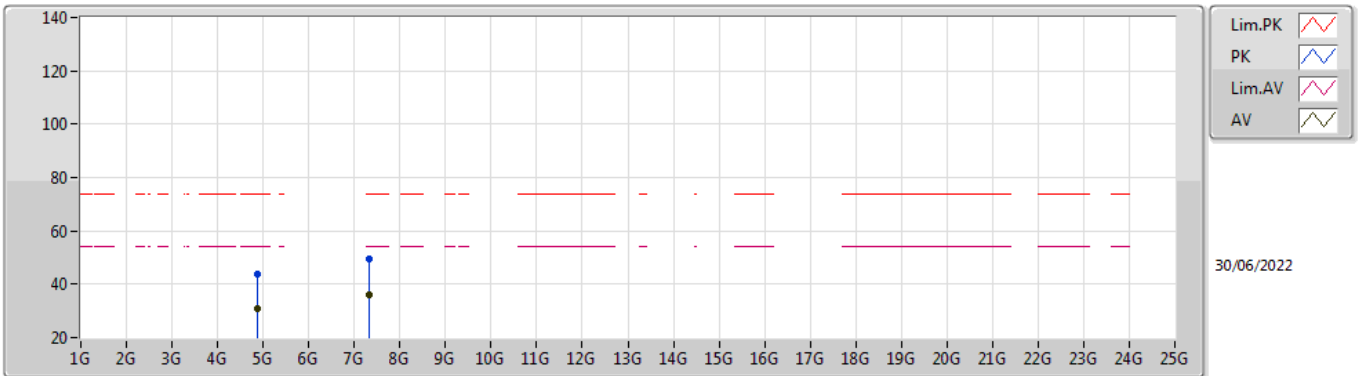


EUT X_4TX
Setting 95
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	67.56	74.00	-6.44	36.39	3	Horizontal	189	2.96	-	28.38	2.79	-
AV	2.3882G	50.99	54.00	-3.01	19.82	3	Horizontal	189	2.96	-	28.38	2.79	-
PK	2.4386G	125.27	Inf	-Inf	94.03	3	Horizontal	189	2.96	-	28.40	2.84	-
AV	2.4362G	116.98	Inf	-Inf	85.74	3	Horizontal	189	2.96	-	28.40	2.84	-
PK	2.4874G	62.19	74.00	-11.81	30.75	3	Horizontal	189	2.96	-	28.55	2.89	-
AV	2.4838G	49.74	54.00	-4.26	18.32	3	Horizontal	189	2.96	-	28.54	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

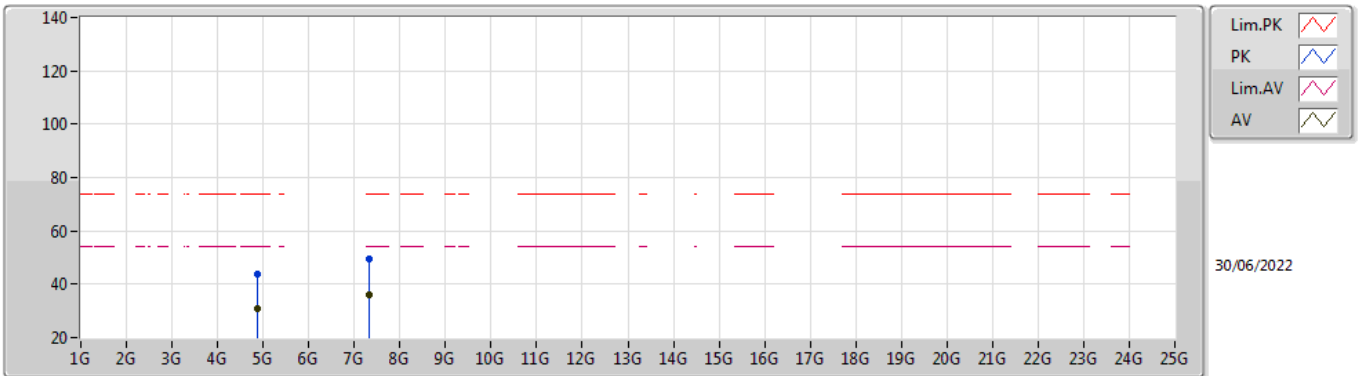


EUT_X_4TX
Setting 95
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.85984G	43.89	74.00	-30.11	37.88	3	Vertical	181	2.51	-	33.12	5.10	32.21	
AV	4.85978G	30.93	54.00	-23.07	24.92	3	Vertical	181	2.51	-	33.12	5.10	32.21	
PK	7.32126G	49.23	74.00	-24.77	39.47	3	Vertical	9	1.07	-	36.44	6.16	32.84	
AV	7.32282G	36.01	54.00	-17.99	26.24	3	Vertical	9	1.07	-	36.45	6.16	32.84	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

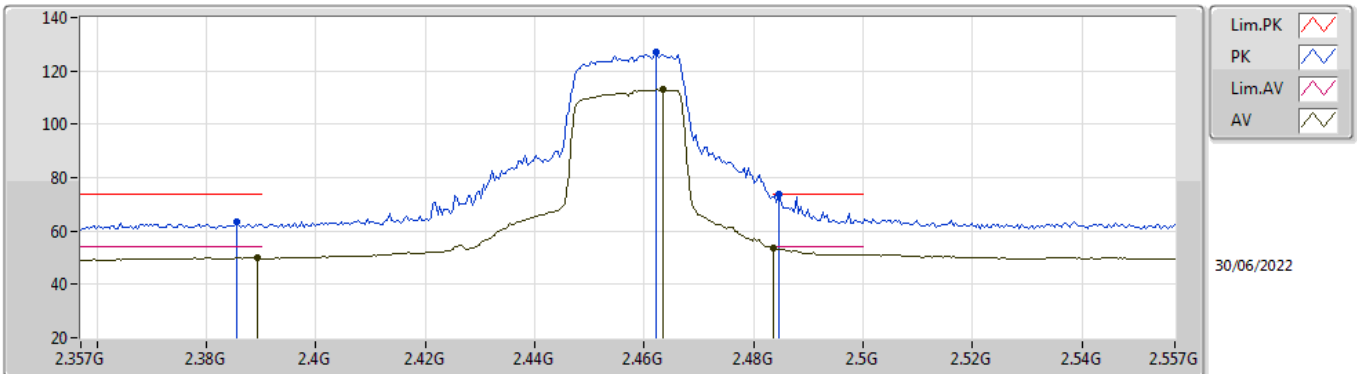


EUT_X_4TX
Setting 95
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.86026G	43.79	74.00	-30.21	37.78	3	Horizontal	31	1.15	-	33.12	5.10	32.21	
AV	4.85912G	30.97	54.00	-23.03	24.96	3	Horizontal	31	1.15	-	33.12	5.10	32.21	
PK	7.32492G	49.33	74.00	-24.67	39.57	3	Horizontal	289	2.13	-	36.45	6.16	32.85	
AV	7.32G	36.10	54.00	-17.90	26.34	3	Horizontal	289	2.13	-	36.44	6.16	32.84	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

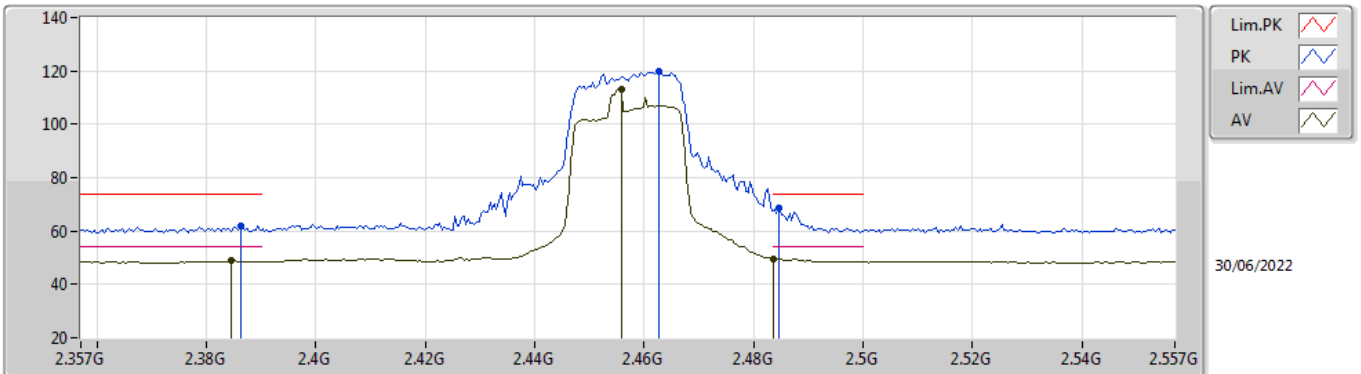


EUT X_4TX
Setting 82
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3854G	63.27	74.00	-10.73	32.11	3	Vertical	280	1.43	-	28.37	2.79	-
AV	2.3894G	49.90	54.00	-4.10	18.73	3	Vertical	280	1.43	-	28.38	2.79	-
PK	2.4622G	127.00	Inf	-Inf	95.69	3	Vertical	280	1.43	-	28.45	2.86	-
AV	2.4634G	112.92	Inf	-Inf	81.61	3	Vertical	280	1.43	-	28.45	2.86	-
PK	2.4846G	73.99	74.00	-0.01	42.57	3	Vertical	280	1.43	-	28.54	2.88	-
AV	2.4835G	53.56	54.00	-0.44	22.15	3	Vertical	280	1.43	-	28.53	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

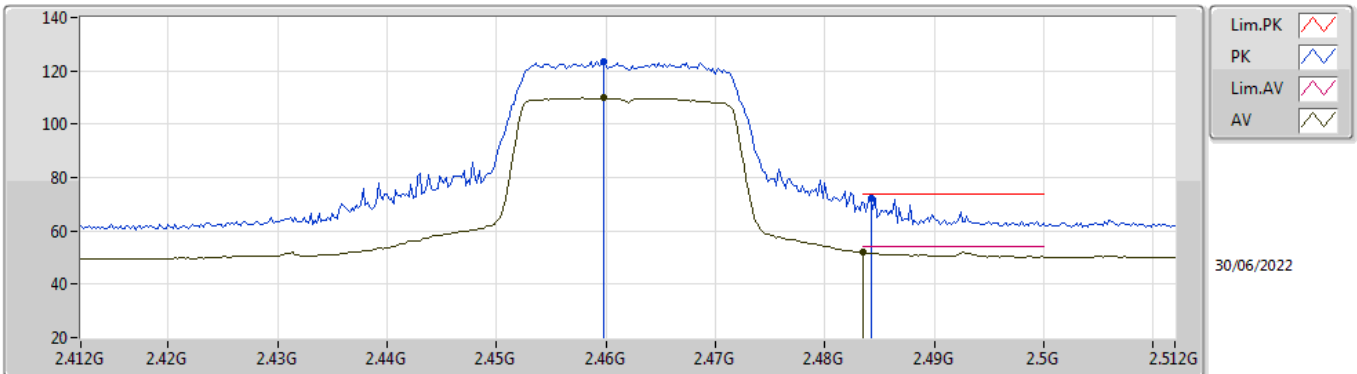


EUT X_4TX
Setting 82
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	61.85	74.00	-12.15	30.69	3	Horizontal	191	1.97	-	28.37	2.79	-
AV	2.3846G	48.78	54.00	-5.22	17.62	3	Horizontal	191	1.97	-	28.37	2.79	-
PK	2.4626G	119.58	Inf	-Inf	88.27	3	Horizontal	191	1.97	-	28.45	2.86	-
AV	2.4558G	113.21	Inf	-Inf	81.93	3	Horizontal	191	1.97	-	28.42	2.86	-
PK	2.4846G	68.52	74.00	-5.48	37.10	3	Horizontal	191	1.97	-	28.54	2.88	-
AV	2.4835G	49.52	54.00	-4.48	18.11	3	Horizontal	191	1.97	-	28.53	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

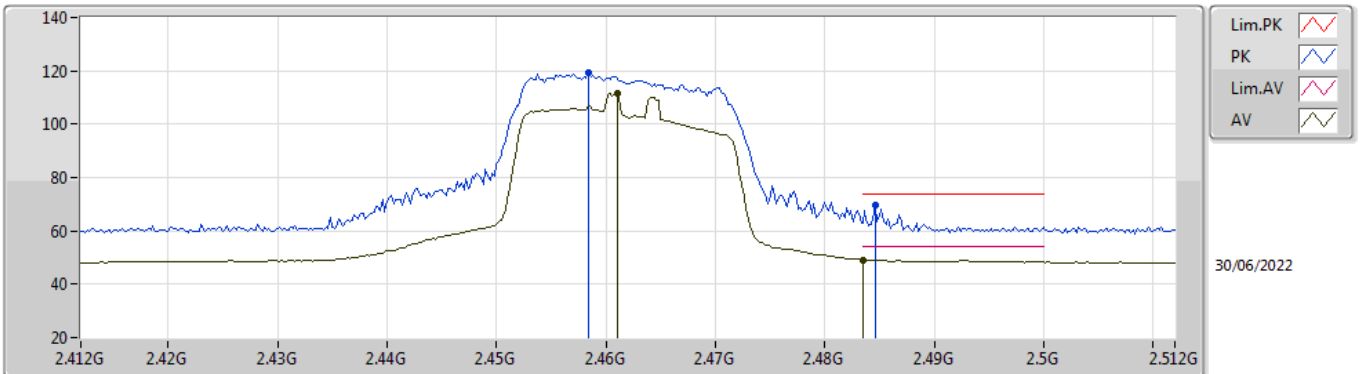


EUT_X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4598G	123.69	Inf	-Inf	92.39	3	Vertical	279	1.80	-	28.44	2.86	-	
AV	2.4598G	109.82	Inf	-Inf	78.52	3	Vertical	279	1.80	-	28.44	2.86	-	
PK	2.4842G	72.32	74.00	-1.68	40.90	3	Vertical	279	1.80	-	28.54	2.88	-	
AV	2.4835G	51.85	54.00	-2.15	20.44	3	Vertical	279	1.80	-	28.53	2.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

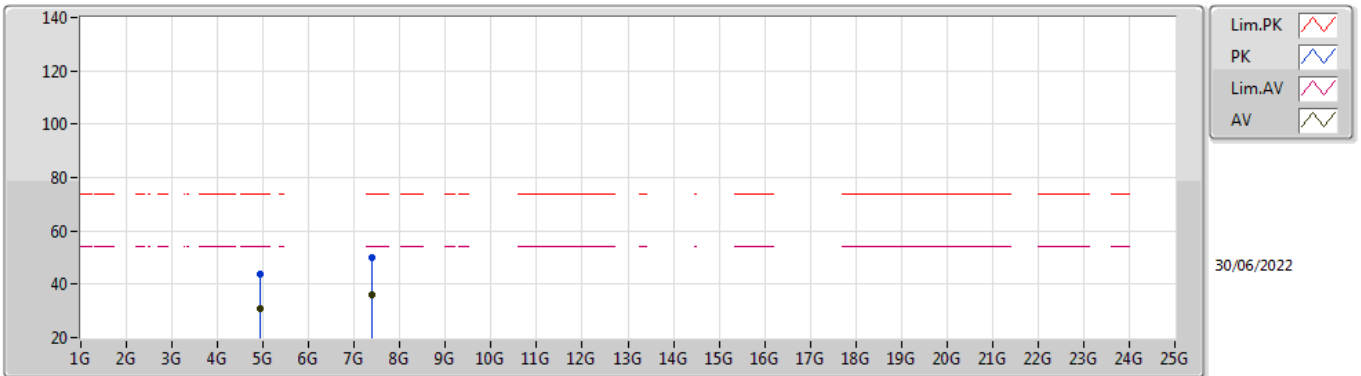


EUT_X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4584G	119.19	Inf	-Inf	87.90	3	Horizontal	185	2.35	-	28.43	2.86	-	
AV	2.461G	111.45	Inf	-Inf	80.15	3	Horizontal	185	2.35	-	28.44	2.86	-	
PK	2.4846G	69.48	74.00	-4.52	38.06	3	Horizontal	185	2.35	-	28.54	2.88	-	
AV	2.4835G	49.21	54.00	-4.79	17.80	3	Horizontal	185	2.35	-	28.53	2.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

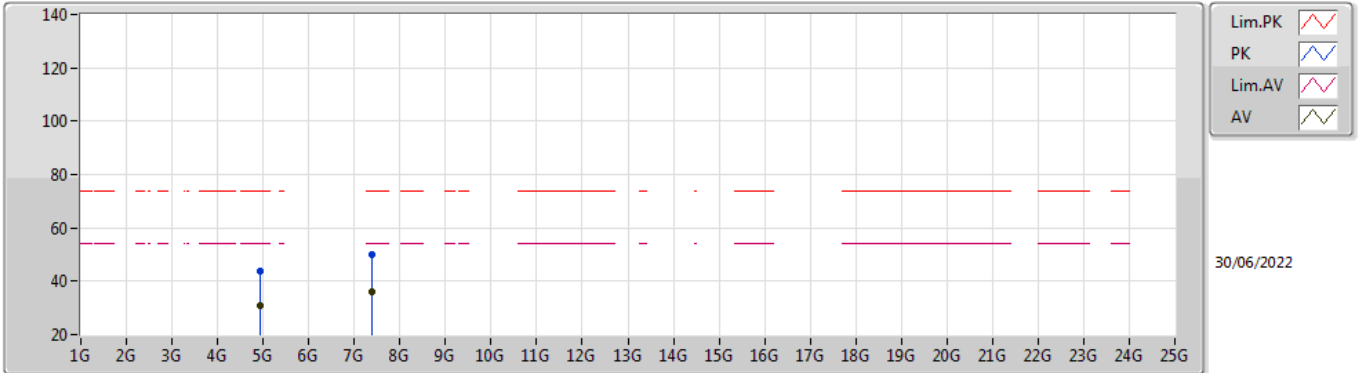


EUT_X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92166G	43.92	74.00	-30.08	37.77	3	Vertical	313	2.76	-	33.24	5.10	32.19	
AV	4.92454G	30.72	54.00	-23.28	24.56	3	Vertical	313	2.76	-	33.25	5.10	32.19	
PK	7.39236G	50.19	74.00	-23.81	40.45	3	Vertical	322	2.22	-	36.50	6.20	32.96	
AV	7.37982G	36.26	54.00	-17.74	26.51	3	Vertical	322	2.22	-	36.50	6.19	32.94	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

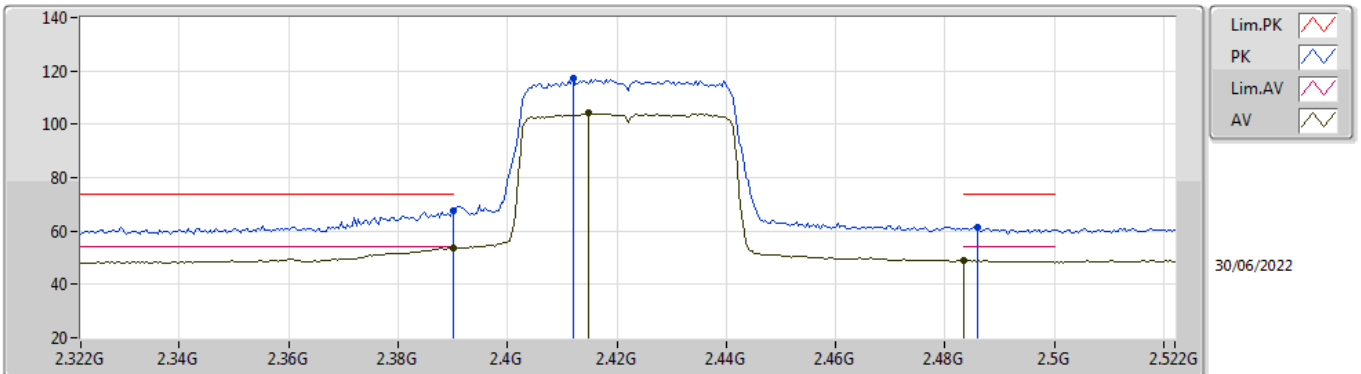


EUT_X_4TX
Setting 73
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.93306G	43.96	74.00	-30.04	37.77	3	Horizontal	223	2.34	-	33.27	5.10	32.18
AV	4.92562G	30.69	54.00	-23.31	24.53	3	Horizontal	223	2.34	-	33.25	5.10	32.19
PK	7.3836G	50.15	74.00	-23.85	40.41	3	Horizontal	29	2.93	-	36.50	6.19	32.95
AV	7.3788G	36.29	54.00	-17.71	26.54	3	Horizontal	29	2.93	-	36.50	6.19	32.94

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

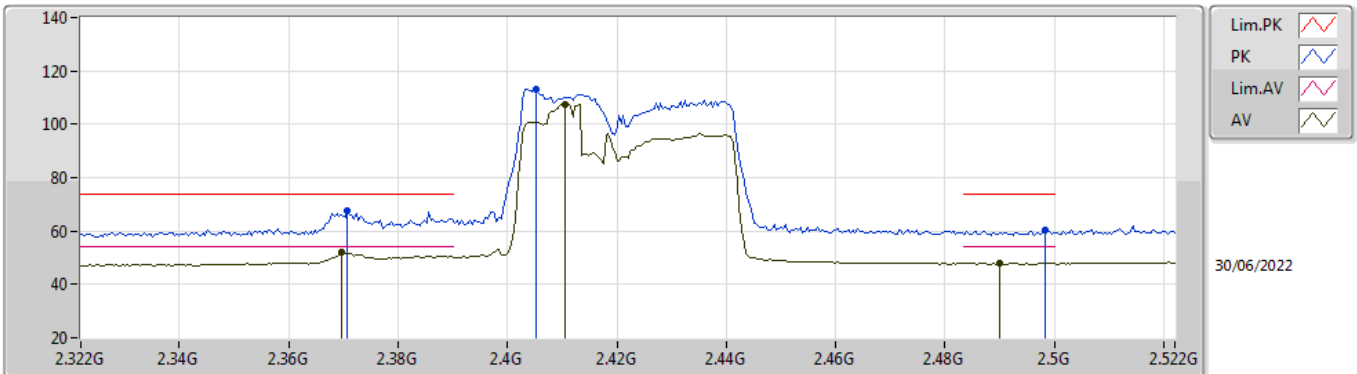


EUT X_4TX
Setting 58
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	67.34	74.00	-6.66	36.17	3	Vertical	250	1.70	-	28.38	2.79	-
AV	2.39G	53.74	54.00	-0.26	22.57	3	Vertical	250	1.70	-	28.38	2.79	-
PK	2.412G	117.28	Inf	-Inf	86.07	3	Vertical	250	1.70	-	28.40	2.81	-
AV	2.4148G	104.15	Inf	-Inf	72.94	3	Vertical	250	1.70	-	28.40	2.81	-
PK	2.486G	61.34	74.00	-12.66	29.91	3	Vertical	250	1.70	-	28.54	2.89	-
AV	2.4835G	49.05	54.00	-4.95	17.64	3	Vertical	250	1.70	-	28.53	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

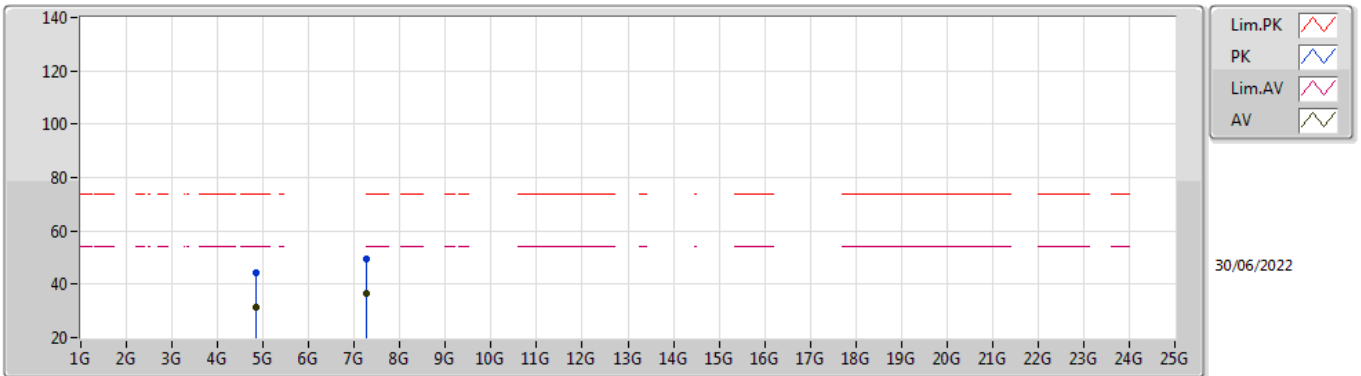


EUT_X_4TX
Setting 58
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3708G	67.56	74.00	-6.44	36.43	3	Horizontal	192.4	2.23	-	28.34	2.79	-
AV	2.3696G	51.93	54.00	-2.07	20.81	3	Horizontal	192.4	2.23	-	28.34	2.78	-
PK	2.4052G	113.02	Inf	-Inf	81.81	3	Horizontal	192.4	2.23	-	28.40	2.81	-
AV	2.4104G	107.47	Inf	-Inf	76.26	3	Horizontal	192.4	2.23	-	28.40	2.81	-
PK	2.4984G	60.40	74.00	-13.60	28.91	3	Horizontal	192.4	2.23	-	28.59	2.90	-
AV	2.49G	47.86	54.00	-6.14	16.41	3	Horizontal	192.4	2.23	-	28.56	2.89	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

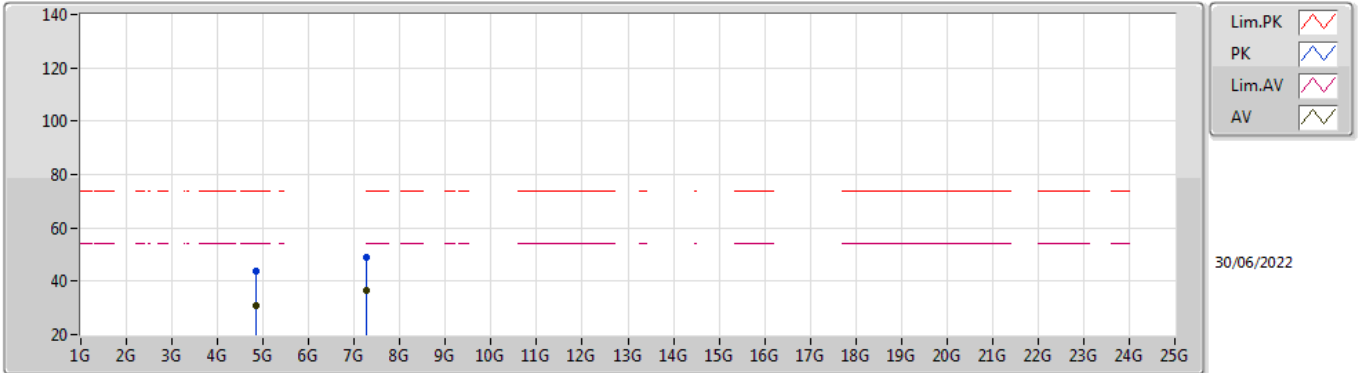


EUT_X_4TX
Setting 58
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84364G	44.32	74.00	-29.68	38.38	3	Vertical	8	2.50	-	33.06	5.10	32.22
AV	4.84082G	31.16	54.00	-22.84	25.24	3	Vertical	8	2.50	-	33.04	5.10	32.22
PK	7.25808G	49.23	74.00	-24.77	39.60	3	Vertical	48	1.66	-	36.23	6.13	32.73
AV	7.25946G	36.30	54.00	-17.70	26.66	3	Vertical	48	1.66	-	36.24	6.13	32.73

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

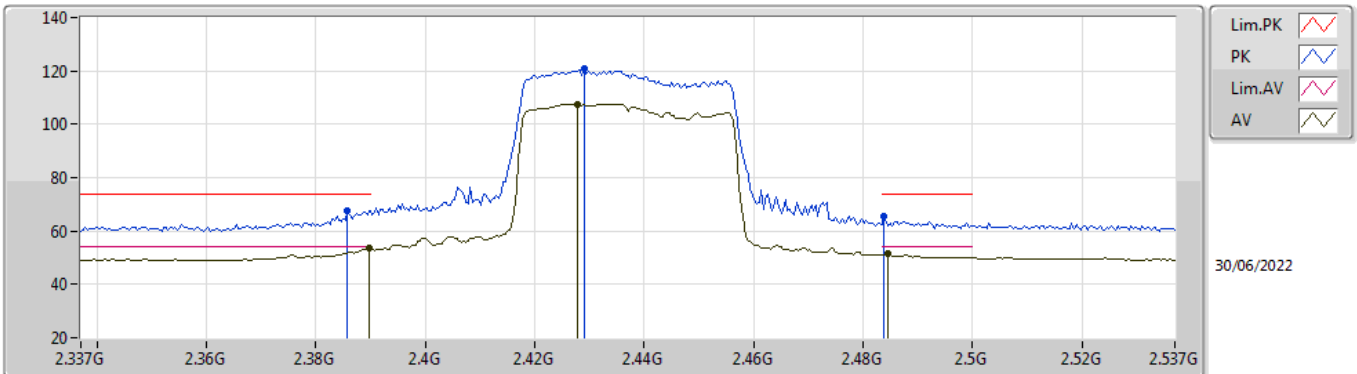


EUT_X_4TX
Setting 58
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8515G	43.82	74.00	-30.18	37.83	3	Horizontal	183	1.63	-	33.10	5.10	32.21	
AV	4.83284G	31.05	54.00	-22.95	25.17	3	Horizontal	183	1.63	-	33.00	5.10	32.22	
PK	7.26594G	48.84	74.00	-25.16	39.19	3	Horizontal	153	2.09	-	36.26	6.13	32.74	
AV	7.25448G	36.42	54.00	-17.58	26.79	3	Horizontal	153	2.09	-	36.22	6.13	32.72	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

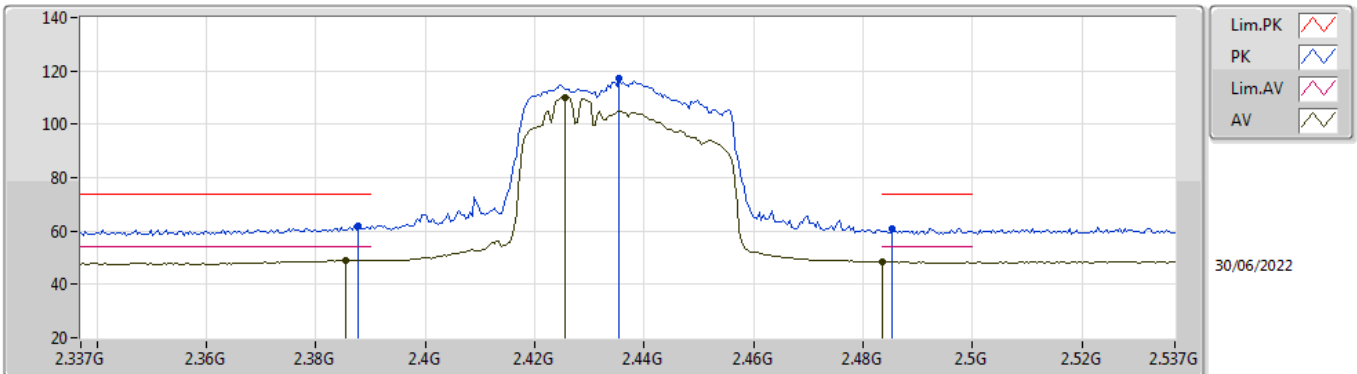


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	67.47	74.00	-6.53	36.31	3	Vertical	245	1.40	-	28.37	2.79	-
AV	2.3898G	53.56	54.00	-0.44	22.39	3	Vertical	245	1.40	-	28.38	2.79	-
PK	2.429G	120.70	Inf	-Inf	89.47	3	Vertical	245	1.40	-	28.40	2.83	-
AV	2.4278G	107.45	Inf	-Inf	76.22	3	Vertical	245	1.40	-	28.40	2.83	-
PK	2.4838G	65.70	74.00	-8.30	34.28	3	Vertical	245	1.40	-	28.54	2.88	-
AV	2.4846G	51.31	54.00	-2.69	19.89	3	Vertical	245	1.40	-	28.54	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

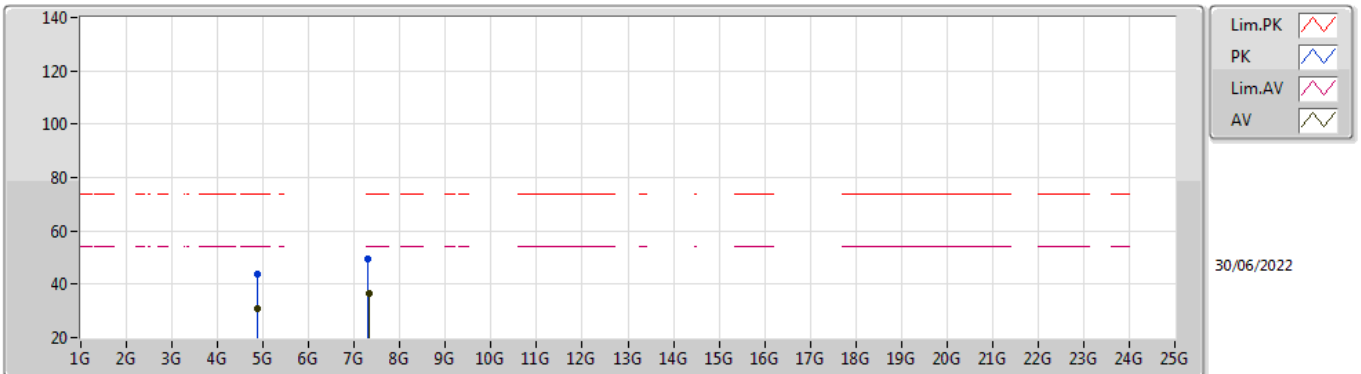


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3878G	62.14	74.00	-11.86	30.97	3	Horizontal	210	2.65	-	28.38	2.79	-	
AV	2.3854G	49.20	54.00	-4.80	18.04	3	Horizontal	210	2.65	-	28.37	2.79	-	
PK	2.4354G	117.09	Inf	-Inf	85.85	3	Horizontal	210	2.65	-	28.40	2.84	-	
AV	2.4254G	110.05	Inf	-Inf	78.82	3	Horizontal	210	2.65	-	28.40	2.83	-	
PK	2.4854G	61.00	74.00	-13.00	29.57	3	Horizontal	210	2.65	-	28.54	2.89	-	
AV	2.4835G	48.59	54.00	-5.41	17.18	3	Horizontal	210	2.65	-	28.53	2.88	-	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

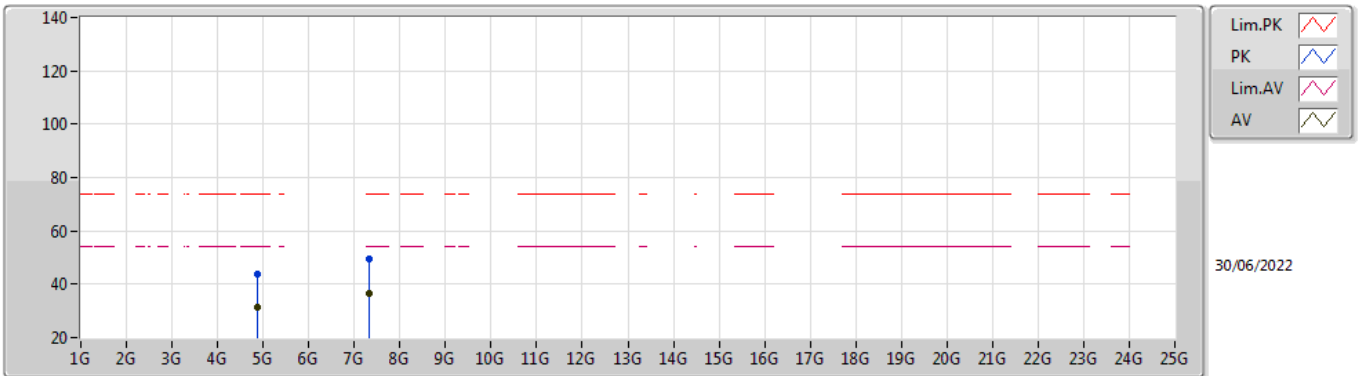


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87346G	43.98	74.00	-30.02	37.94	3	Vertical	254	2.12	-	33.15	5.10	32.21
AV	4.87676G	30.97	54.00	-23.03	24.92	3	Vertical	254	2.12	-	33.15	5.10	32.20
PK	7.29636G	49.33	74.00	-24.67	39.59	3	Vertical	265	2.37	-	36.39	6.15	32.80
AV	7.32384G	36.52	54.00	-17.48	26.75	3	Vertical	265	2.37	-	36.45	6.16	32.84

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

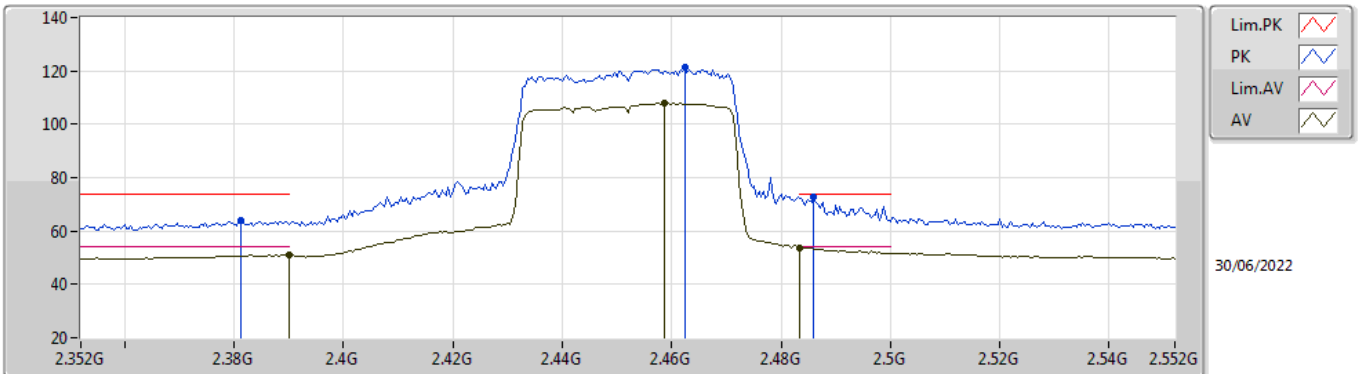


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.877G	43.72	74.00	-30.28	37.67	3	Horizontal	70	1.58	-	33.15	5.10	32.20	
AV	4.8617G	31.25	54.00	-22.75	25.24	3	Horizontal	70	1.58	-	33.12	5.10	32.21	
PK	7.32186G	49.56	74.00	-24.44	39.80	3	Horizontal	118	1.23	-	36.44	6.16	32.84	
AV	7.3248G	36.57	54.00	-17.43	26.81	3	Horizontal	118	1.23	-	36.45	6.16	32.85	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

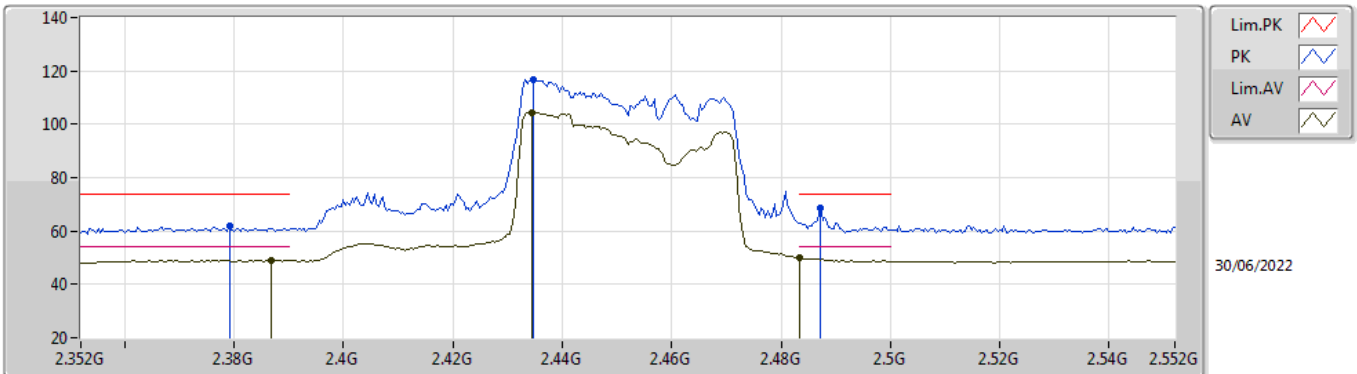


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3812G	64.01	74.00	-9.99	32.86	3	Vertical	270	1.48	-	28.36	2.79	-
AV	2.39G	51.16	54.00	-2.84	19.99	3	Vertical	270	1.48	-	28.38	2.79	-
PK	2.4624G	121.43	Inf	-Inf	90.12	3	Vertical	270	1.48	-	28.45	2.86	-
AV	2.4588G	107.80	Inf	-Inf	76.50	3	Vertical	270	1.48	-	28.44	2.86	-
PK	2.486G	72.88	74.00	-1.12	41.45	3	Vertical	270	1.48	-	28.54	2.89	-
AV	2.4835G	53.79	54.00	-0.21	22.38	3	Vertical	270	1.48	-	28.53	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

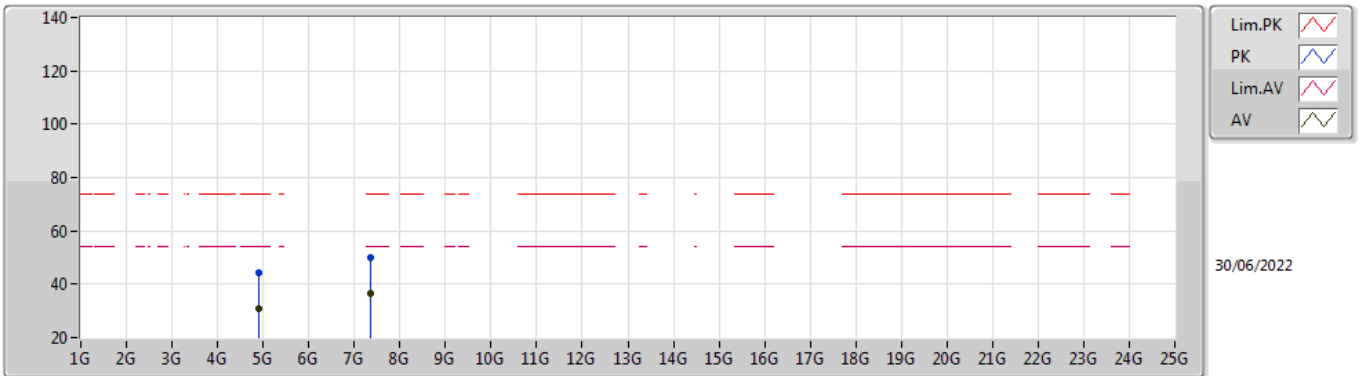


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3792G	62.14	74.00	-11.86	30.99	3	Horizontal	340	1.92	-	28.36	2.79	-
AV	2.3868G	49.12	54.00	-4.88	17.96	3	Horizontal	340	1.92	-	28.37	2.79	-
PK	2.4348G	116.87	Inf	-Inf	85.64	3	Horizontal	340	1.92	-	28.40	2.83	-
AV	2.4344G	104.47	Inf	-Inf	73.24	3	Horizontal	340	1.92	-	28.40	2.83	-
PK	2.4872G	68.65	74.00	-5.35	37.21	3	Horizontal	340	1.92	-	28.55	2.89	-
AV	2.4835G	49.75	54.00	-4.25	18.34	3	Horizontal	340	1.92	-	28.53	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

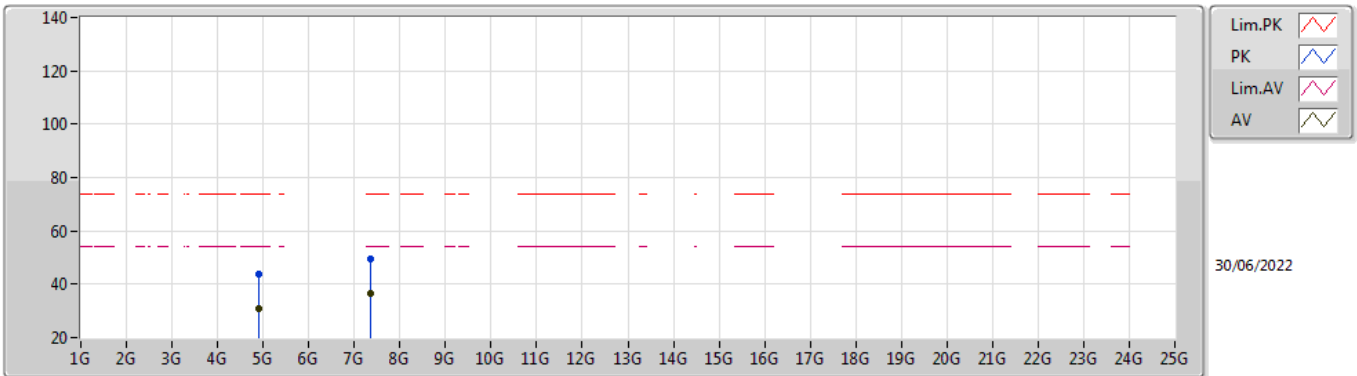


EUT_X_4TX
Setting 70
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90178G	44.17	74.00	-29.83	38.07	3	Vertical	154	1.84	-	33.20	5.10	32.20
AV	4.90358G	30.93	54.00	-23.07	24.81	3	Vertical	154	1.84	-	33.21	5.10	32.19
PK	7.3668G	49.89	74.00	-24.11	40.13	3	Vertical	218	2.64	-	36.50	6.18	32.92
AV	7.34916G	36.67	54.00	-17.33	26.89	3	Vertical	218	2.64	-	36.50	6.17	32.89

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX



EUT_X_4TX
Setting 70
02-B-C-6

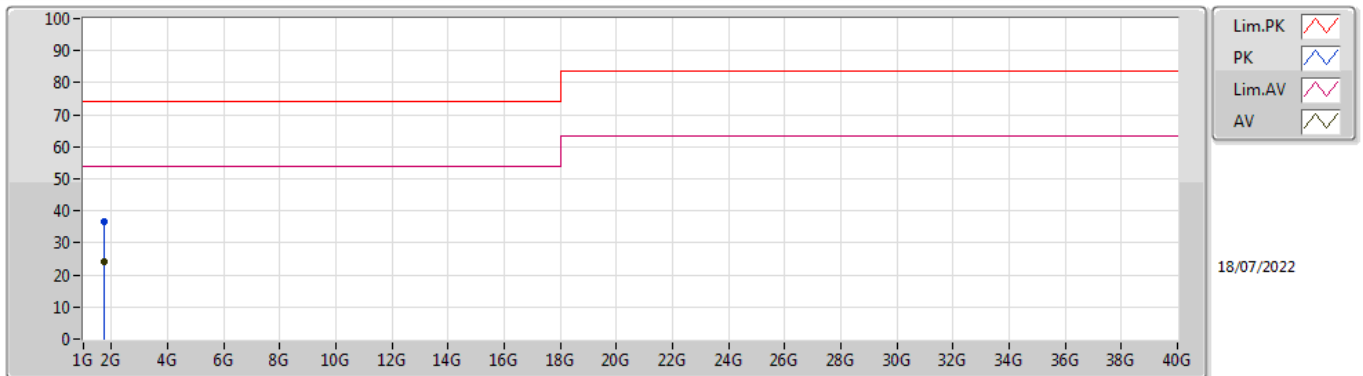
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90802G	44.01	74.00	-29.99	37.88	3	Horizontal	276	1.22	-	33.22	5.10	32.19
AV	4.90334G	30.86	54.00	-23.14	24.74	3	Horizontal	276	1.22	-	33.21	5.10	32.19
PK	7.34706G	49.64	74.00	-24.36	39.86	3	Horizontal	235	2.76	-	36.49	6.17	32.88
AV	7.3515G	36.69	54.00	-17.31	26.90	3	Horizontal	235	2.76	-	36.50	6.18	32.89



Summary

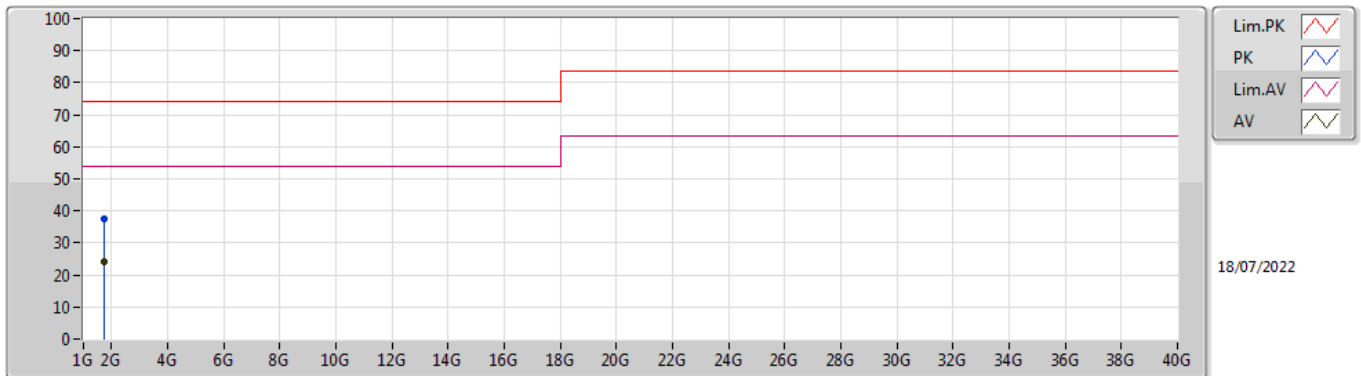
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.72121G	23.95	54.00	-30.05	Horizontal

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	1.71932G	36.76	74.00	-37.24	-3.31	3	Vertical	5	1.50	-	40.07	26.49	2.96	32.76
AV	1.71943G	23.93	54.00	-30.07	-3.31	3	Vertical	5	1.50	"Worst"	27.24	26.49	2.96	32.76

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	1.72736G	37.33	74.00	-36.67	-3.22	3	Horizontal	177	1.50	-	40.55	26.57	2.96	32.75
AV	1.72121G	23.95	54.00	-30.05	-3.29	3	Horizontal	177	1.50	"Worst"	27.24	26.51	2.96	32.76