



RADIO TEST REPORT

FCC ID : MSQ-RTAX6800
Equipment : AX6000 Dual Band Wi-Fi Router
Brand Name : ASUS
Model Name : RT-AX88U Pro
Applicant : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou, Taipei City 112, Taiwan
Manufacturer (1) : Compal Networking(KunShan) CO., LTD
No.520,Nan Bang RD., Economic & Technical Development
Zone, KunShan,JiangSu,China
Manufacturer (2) : Datamax Electronics (DongGuan) Co., Ltd.
Niu Shan Foreign Economic Industrial Park, Dong Cheng
District, Dong Guan City, Guang Dong, China
Manufacturer (3) : ARCADYAN TECHNOLOGY (VIETNAM) CO., LTD.
Land plot No. D4-5-6, Thang Long Industrial Park (Vinh
Phuc), Thien Ke Commune, Binh Xuyen District, Vinh Phuc
Province, Vietnam
Manufacturer (4) : Lih Rong Electronic Enterprise Co.,Ltd.
No. 486, Sec. 1, Wanshou Road, Guishan District, , Taoyuan
City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Sep. 07, 2022, and testing was started from Sep. 19, 2022 and completed on Oct. 08, 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	9
2 Test Configuration of EUT	10
2.1 Test Channel Mode	10
2.2 The Worst Case Measurement Configuration	12
2.3 EUT Operation during Test	14
2.4 Accessories	15
2.5 Support Equipment.....	15
2.6 Test Setup Diagram	17
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	34
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: Sandy Chuang



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 Name	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz UNII1~UNII3					
1	2	1	PSA	RFDPA171300SBLB820	Dipole	Reversed-SMA	Note 1
2	3	4	PSA	RFDPA171300SBLB820	Dipole	Reversed-SMA	
3	1	2	PSA	RFDPA171300SBLB820	Dipole	Reversed-SMA	
4	4	3	PSA	RFDPA171300SBLB820	Dipole	Reversed-SMA	

Note 1:

The directional gain is measured which follows the procedure of KDB 662911 D03.

Freq. Band (Hz)	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII2C	UNII3
Ant. 1 Max Gain (dBi)	2.01	2.66	2.74	3.53	3.93
Ant. 2 Max Gain (dBi)	1.25	1.8	1.59	2.37	2.6
Ant. 3 Max Gain (dBi)	1.61	2.05	1.47	2.32	2.49
Ant. 4 Max Gain (dBi)	1.81	2.7	1.47	3.17	3.83
DG [1SS] (dBi)	6.35	6.38	5.9	6.27	7.14
DG [2SS] (dBi)	3.35	3.38	2.9	3.53	4.14
DG [4SS] (dBi)	2.01	2.7	2.74	3.53	3.93

Note 2: The above information was declared by manufacturer.

Note 3:

<For WLAN 2.4GHz function>

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

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

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

<For WLAN 5GHz function>

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

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

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



1.1.3 Mode Test Duty Cycle

<For Non-beamforming Mode>

4T1S:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.936	0.29	12.424m	100
802.11g	0.958	0.19	2.066m	1k

<For Beamforming Mode>

4T1S:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	0.952	0.21	2.925m	1k
802.11ax HEW40-BF	0.964	0.16	4.36m	300

4T2S:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	0.977	0.1	4.368m	300
802.11ax HEW40-BF	0.964	0.16	4.36m	300

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, n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Mtool V3.2.0.0			

Note: The above information was declared by manufacturer.

1.1.5 Table for Components Source Information

EUT	Source	Transceiver (2.5G WAN)	
		Brand	Model
1	Main	Broadcom	BCM54991E
2	Second	MAXLINEAR	GPY211

Note 1: From the above EUTs, EUT 1 was selected to test all items and EUT 2 was selected to test Radiated Emission below 1GHz.

Note 2: The above information was declared by manufacturer..

**1.1.6 Table for EUT Supports Function**

Function	Support Type
AP Router	Master
Bridge	Slave without radar detection
Repeater	Master
Mesh	Master

Note 1: The AP Router (Master) mode has been tested and recorded in this test report.

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2013

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Caster Chang	23.4~23.6 / 58~66	Sep. 22, 2022~Sep. 23, 2022
Radiated below 1GHz	03CH05-CB	Stim Sung	22.4~23.6 / 55~59	Sep. 19, 2022~Oct. 08, 2022
Radiated above 1GHz	03CH06-CB		25.1~26.8 / 61~66	
Radiated Co-location	03CH05-CB		22.4~23.6 / 55~59	
AC Conduction	CO01-CB	Ryan Huang	20~22 / 60~62	Sep. 20, 2022~Sep. 22, 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>

4T1S:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	91
2417MHz	91
2437MHz	92
2462MHz	92
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	83
2417MHz	92
2437MHz	92
2457MHz	92
2462MHz	89

**<For Beamforming Mode>****4T1S:**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	69
2417MHz	82
2437MHz	90
2457MHz	89
2462MHz	83
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	68
2437MHz	79
2452MHz	82

4T2S:

Mode	Power Setting
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-
2412MHz	73
2417MHz	90
2437MHz	91
2462MHz	90
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-
2422MHz	70
2437MHz	77
2452MHz	85

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	Normal Link
1	EUT 1 + Adapter 1
2	EUT 1 + Adapter 3
For operating mode 2 is the worst case and it was record in this test report.	

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement above 1GHz, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT 1 in Z axis / WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA290613 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP 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:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories				
Equipment Name	Brand Name	Model Name	Rating	Power Line
Adapter 1	AcBel	ADH011	Input: 100-240V~1.4A, 50-60Hz Output: 19.5V, 2.31A, 45.0W MAX	With the DC Power cable: Non-shielded, 1.5m
Adapter 2	AcBel	ADH011	Input: 100-240V~1.4A, 50-60Hz Output: 19.5V, 2.31A, 45.0W MAX	With the DC Power cable: Non-shielded, 1.5m
Adapter 3	DELTA	ADP-45FE F	Input: 100-240V~1.2A, 50-60Hz Output: 19.0V, 2.37A, 45.0W	With the DC Power cable: Non-shielded, 1.5m
Others				
RJ-45 cable*1: Non-Shielded, 1.5m				
Power cable*1: Non-Shielded, 0.8m				

Note: The Adapter 1 and 2 are identical except for the product number, thus only Adapter 1 were selected to test and record in the report.

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	1G LAN1 NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	2.5G WAN NB	DELL	E6430	N/A
E	HDD3.0	WD	WDBACY5000AWT	N/A
F	1G LAN4 NB	DELL	E6430	N/A
G	2.5G LAN NB	DELL	E6430	N/A

For Radiated below 1GHz:

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

**For Radiated above 1GHz:****<For non-beamforming mode>**

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

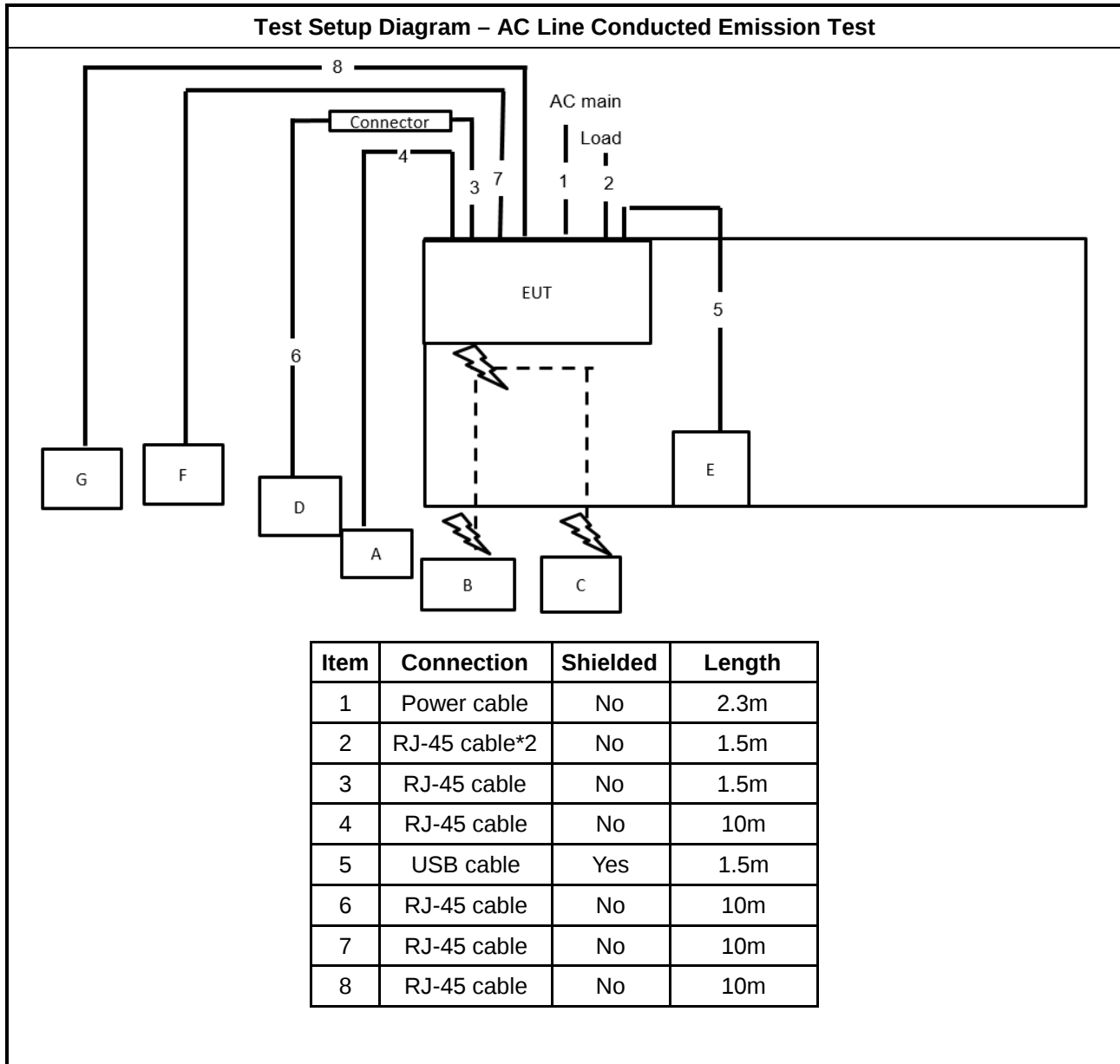
<For beamforming mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Client	ASUS	ET12	MSQ-RTAXE4P00

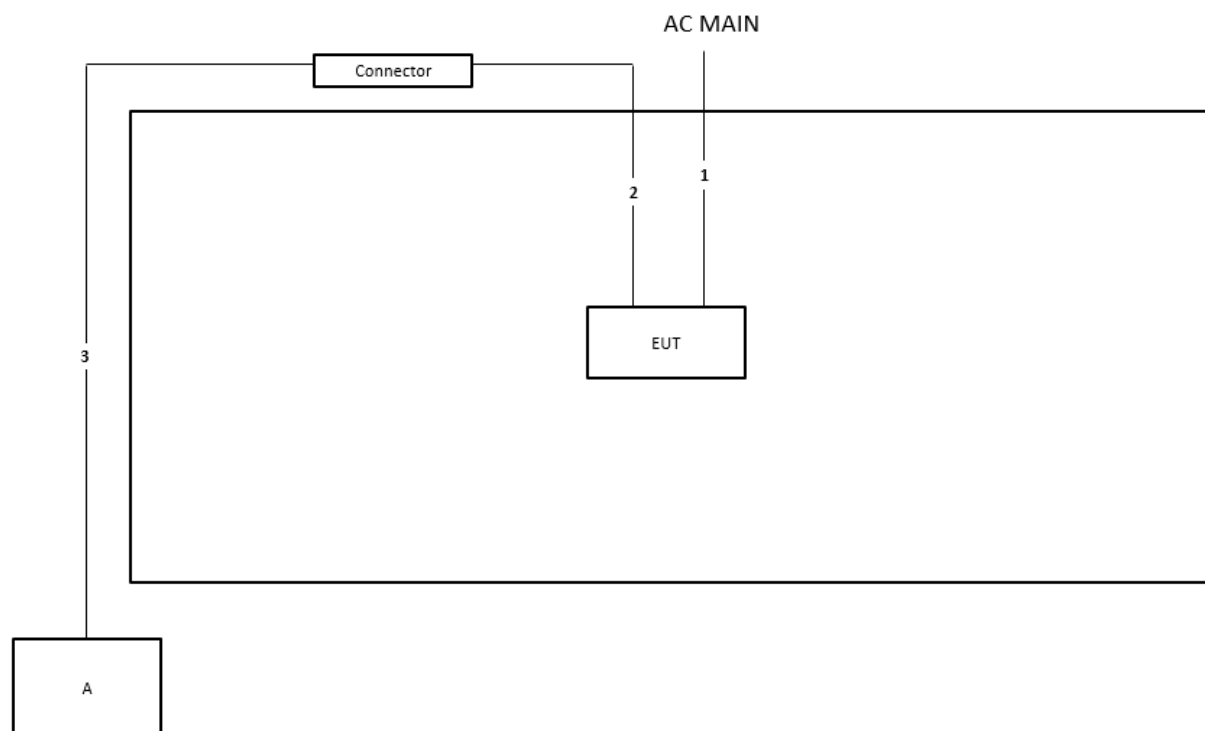
For RF Conducted:

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

2.6 Test Setup Diagram

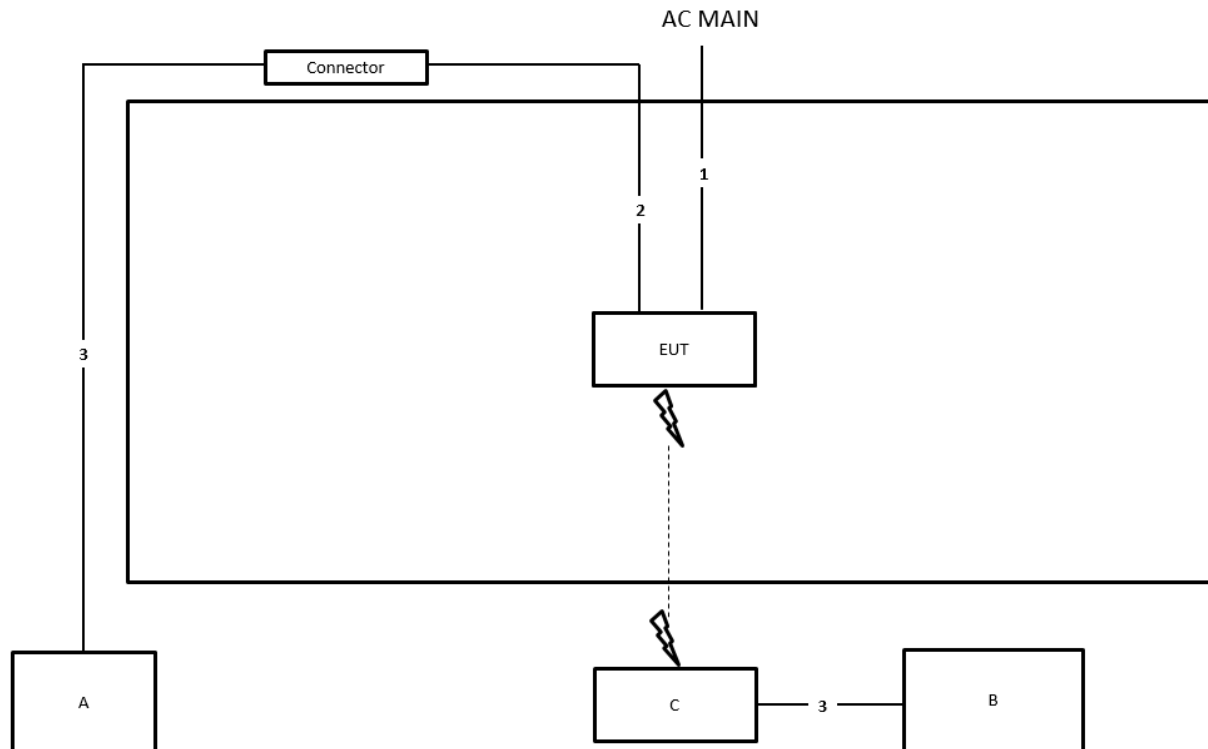


Test Setup Diagram - Radiated Test
<For Below 1GHz & Non-beamforming Mode above 1GHz>



Item	Connection	Shielded	Length
1	Power cable	No	2.3m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m

**Test Setup Diagram - Radiated Test
<For Beamforming Mode above 1GHz >**



Item	Connection	Shielded	Length
1	Power cable	No	2.3m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable*2	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.		

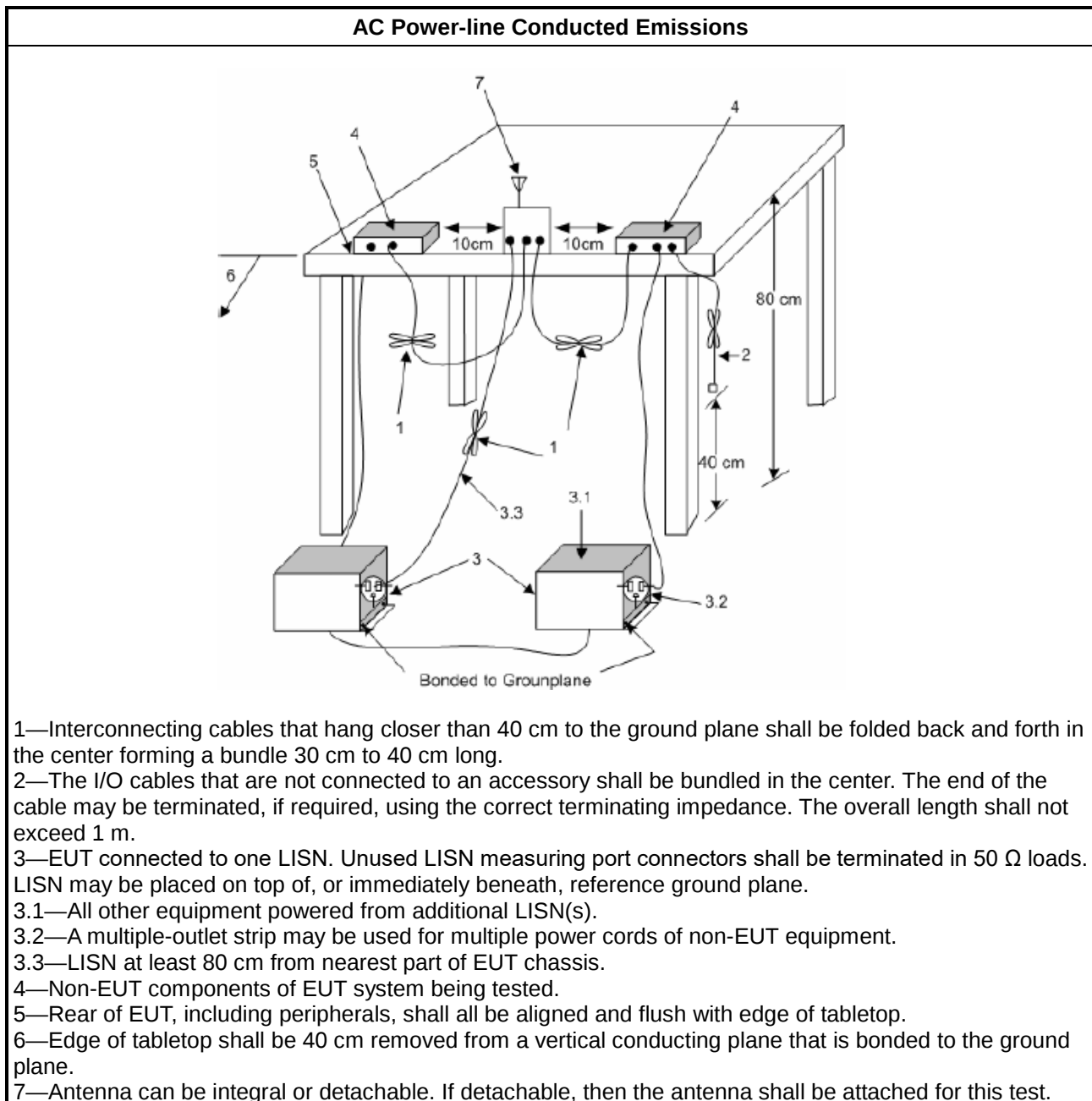
3.1.2 Measuring Instruments

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.

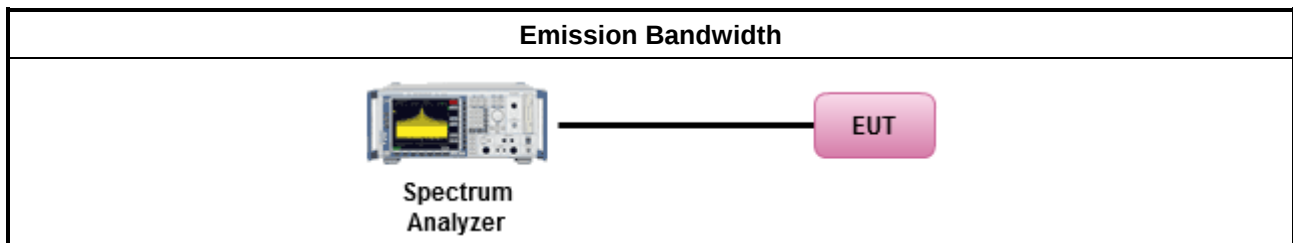
3.2.2 Measuring Instruments

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

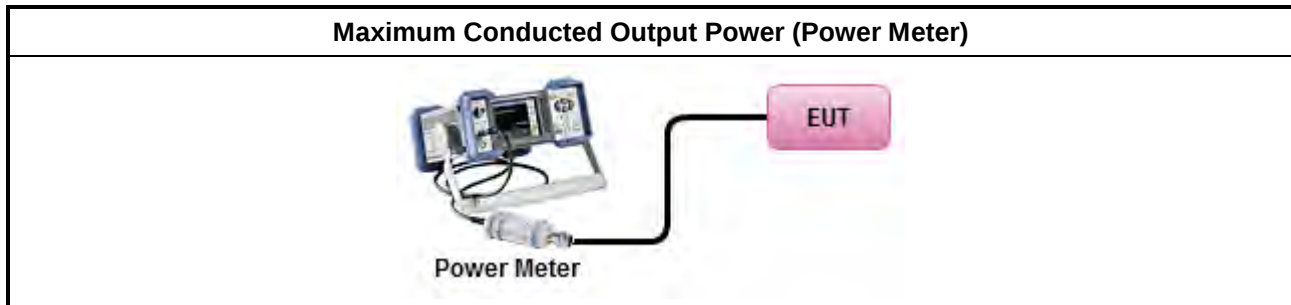
Refer a test equipment and calibration data table in this test report.



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

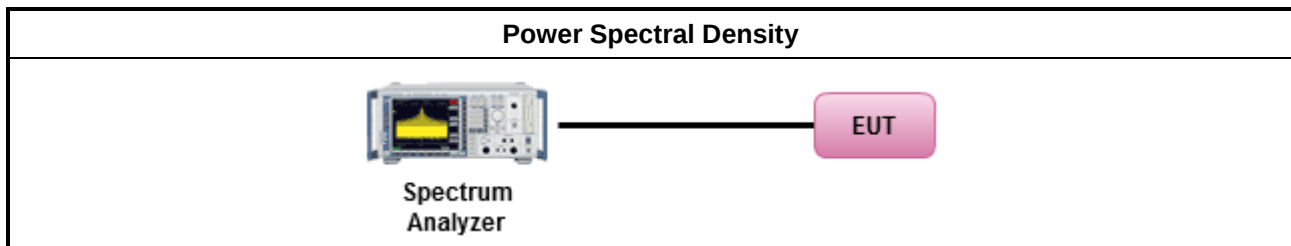
3.4.2 Measuring Instruments

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.	

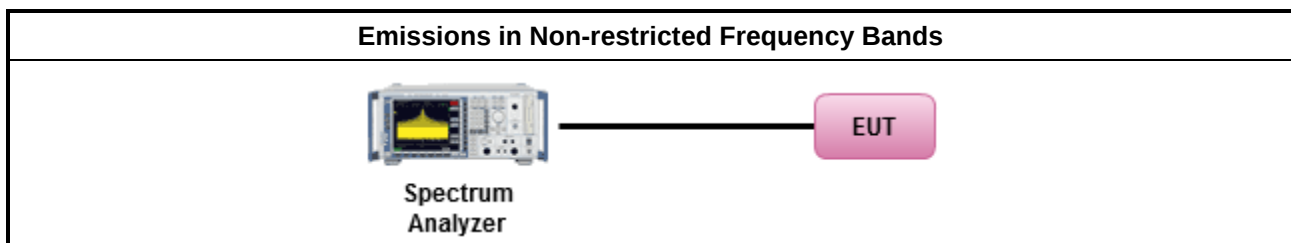
3.5.2 Measuring Instruments

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.



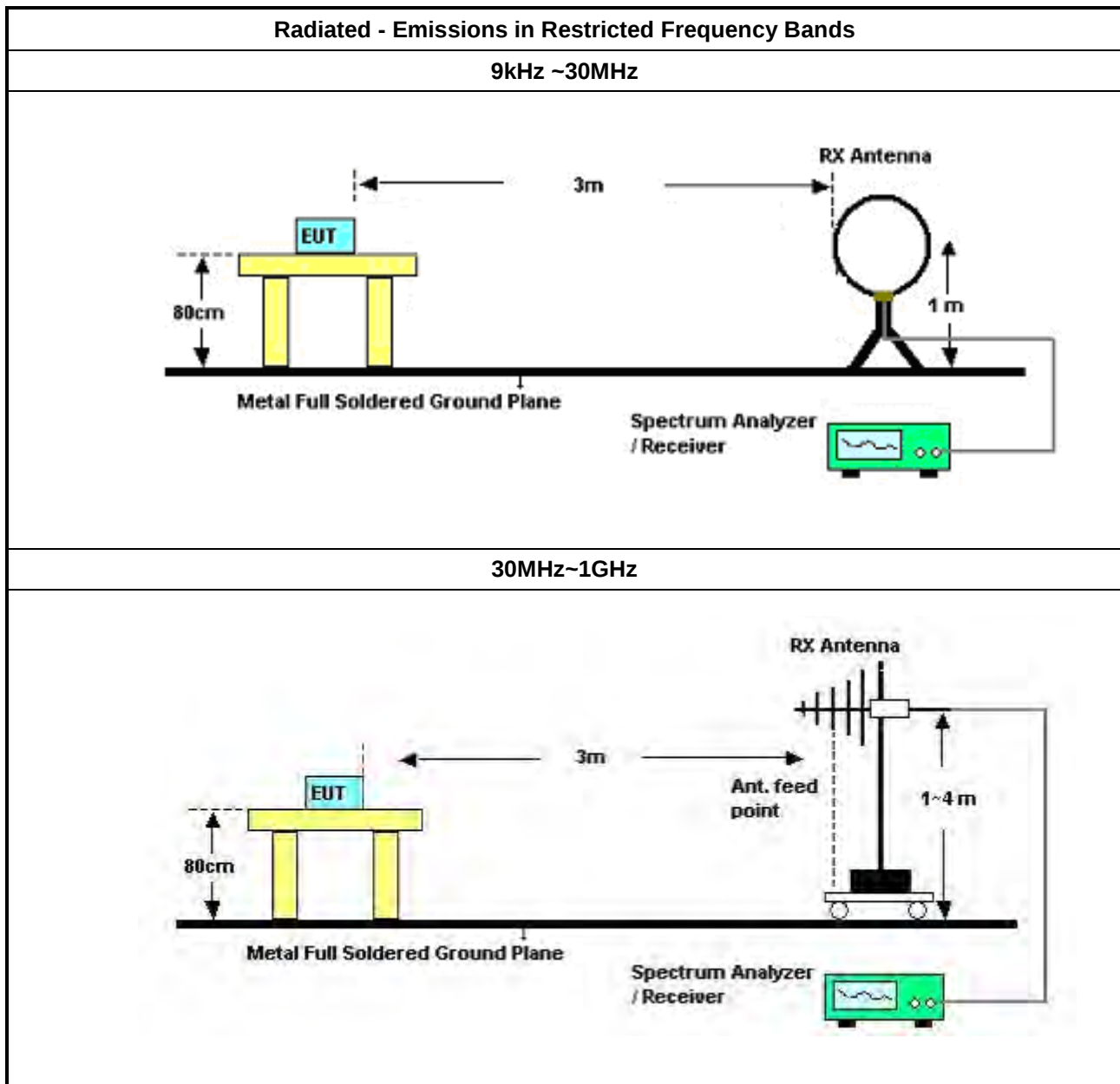
3.6.3 Test Procedures

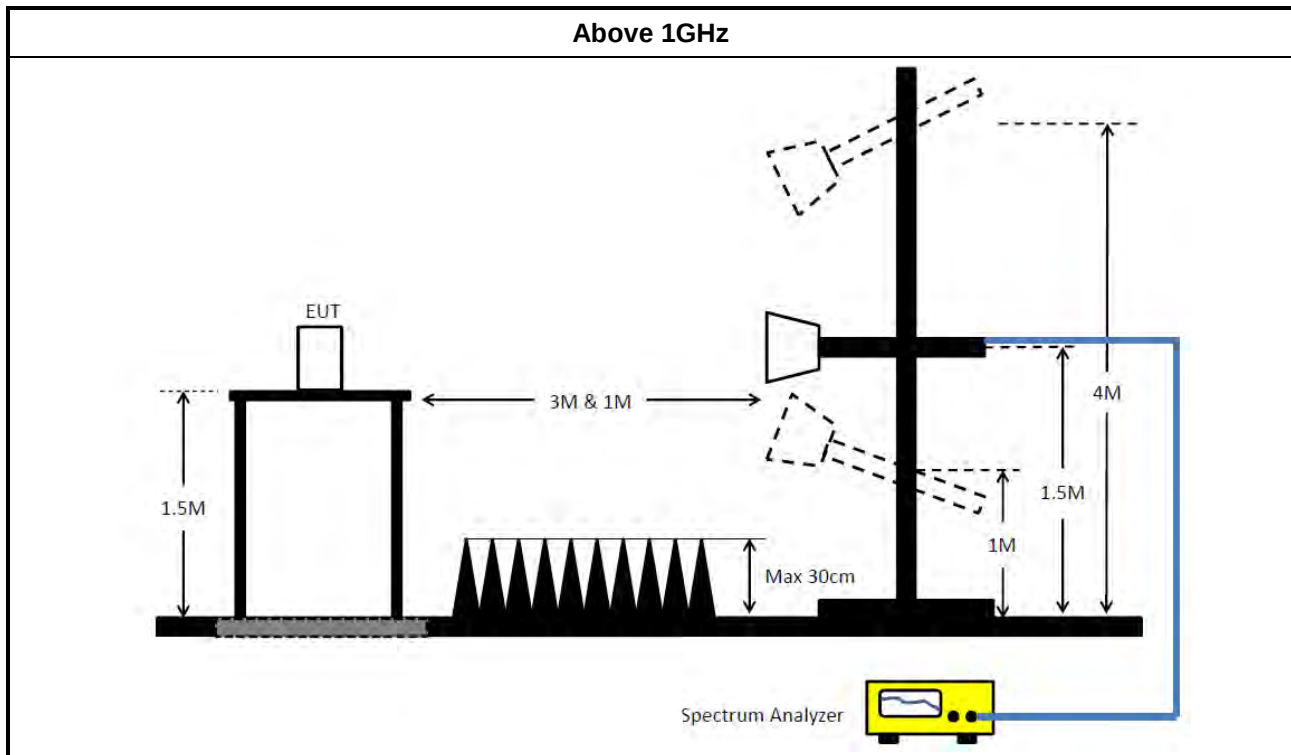
Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted 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.



Test Method	
	▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.2.
	▪ For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	▪ 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-50-16-2	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)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 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)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug 02, 2022	Aug 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 24, 2021	Dec. 23, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
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)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

NCR means Non-Calibration required.



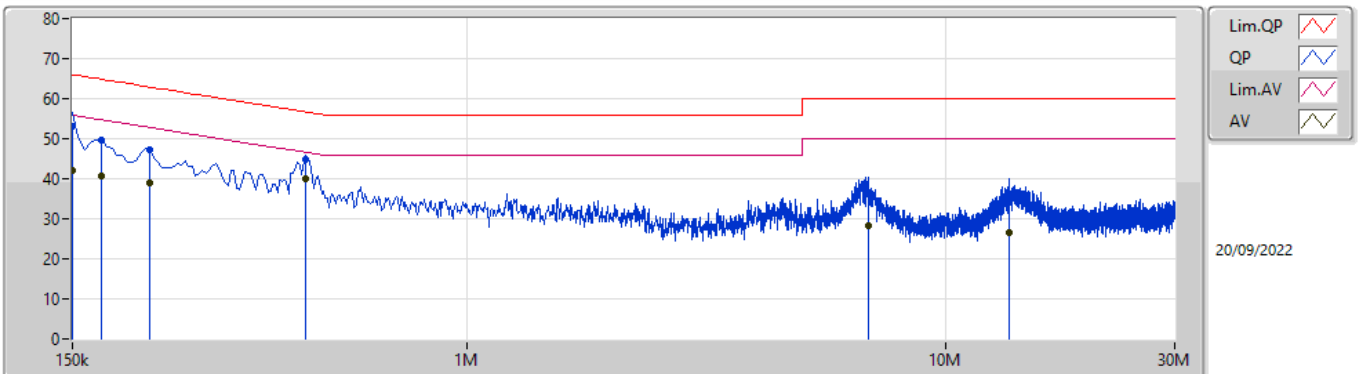
Conducted Emissions at Powerline

Appendix A

Summary

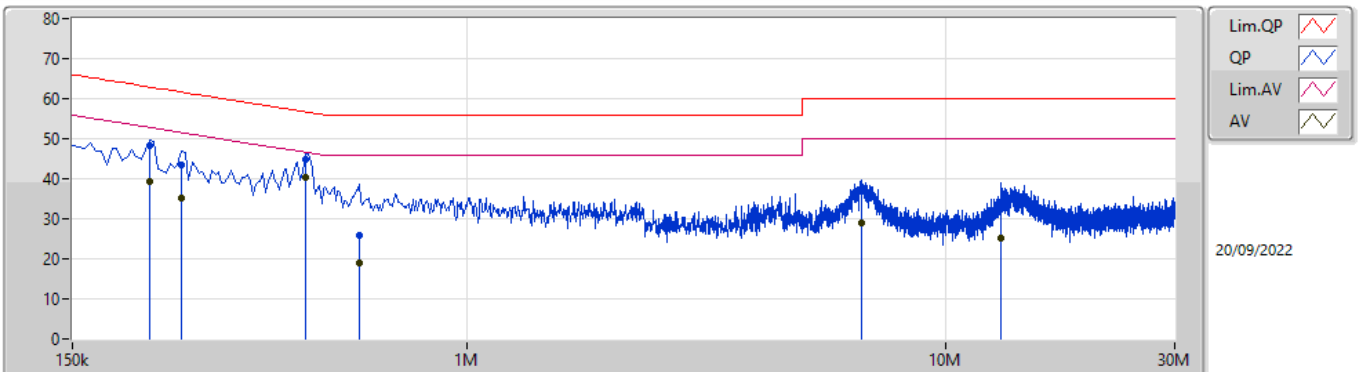
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	460.5k	40.24	46.69	-6.45	Neutral

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	53.13	66.00	-12.87	9.99	Line	-	43.14	0.06	0.04	9.89			
AV	150k	42.11	56.00	-13.89	9.99	Line	-	32.12	0.06	0.04	9.89			
QP	172.5k	49.67	64.83	-15.16	9.99	Line	-	39.68	0.06	0.04	9.89			
AV	172.5k	40.77	54.83	-14.06	9.99	Line	-	30.78	0.06	0.04	9.89			
QP	217.5k	47.12	62.92	-15.80	9.99	Line	-	37.13	0.06	0.04	9.89			
AV	217.5k	38.97	52.92	-13.95	9.99	Line	-	28.98	0.06	0.04	9.89			
QP	460.5k	44.66	56.69	-12.03	10.01	Line	-	34.65	0.06	0.06	9.89			
AV	460.5k	39.98	46.69	-6.71	10.01	Line	"Worst"	29.97	0.06	0.06	9.89			
QP	6.9M	36.20	60.00	-23.80	10.22	Line	-	25.98	0.18	0.14	9.90			
AV	6.9M	28.19	50.00	-21.81	10.22	Line	-	17.97	0.18	0.14	9.90			
QP	13.497M	34.14	60.00	-25.86	10.35	Line	-	23.79	0.25	0.17	9.93			
AV	13.497M	26.47	50.00	-23.53	10.35	Line	-	16.12	0.25	0.17	9.93			

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	217.5k	48.30	62.92	-14.62	10.00	Neutral	-	38.30	0.07	0.04	9.89			
AV	217.5k	39.38	52.92	-13.54	10.00	Neutral	-	29.38	0.07	0.04	9.89			
QP	253.5k	43.51	61.64	-18.13	10.01	Neutral	-	33.50	0.07	0.05	9.89			
AV	253.5k	35.19	51.64	-16.45	10.01	Neutral	-	25.18	0.07	0.05	9.89			
QP	460.5k	44.77	56.69	-11.92	10.02	Neutral	-	34.75	0.07	0.06	9.89			
AV	460.5k	40.24	46.69	-6.45	10.02	Neutral	"Worst"	30.22	0.07	0.06	9.89			
QP	595.5k	25.84	56.00	-30.16	10.01	Neutral	-	15.83	0.07	0.05	9.89			
AV	595.5k	18.97	46.00	-27.03	10.01	Neutral	-	8.96	0.07	0.05	9.89			
QP	6.662M	37.20	60.00	-22.80	10.22	Neutral	-	26.98	0.19	0.13	9.90			
AV	6.662M	29.11	50.00	-20.89	10.22	Neutral	-	18.89	0.19	0.13	9.90			
QP	13.052M	32.38	60.00	-27.62	10.36	Neutral	-	22.02	0.26	0.17	9.93			
AV	13.052M	25.16	50.00	-24.84	10.36	Neutral	-	14.80	0.26	0.17	9.93			



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	7.075M	10.33M	10M3G1D	6.525M	10.273M
802.11g_Nss1_(6Mbps)_4TX	16.35M	17.001M	17M0D1D	16.3M	16.768M

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	10.301M	7.05M	10.317M	7.075M	10.278M	7.05M	10.3M
2437MHz	Pass	500k	7.05M	10.322M	7.05M	10.3M	7.05M	10.273M	7.025M	10.301M
2462MHz	Pass	500k	6.55M	10.33M	6.525M	10.307M	7.05M	10.287M	6.575M	10.307M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.902M	16.325M	17.001M	16.3M	16.908M	16.35M	16.968M
2437MHz	Pass	500k	16.35M	16.792M	16.35M	16.768M	16.35M	16.813M	16.35M	16.79M
2462MHz	Pass	500k	16.3M	16.943M	16.325M	16.845M	16.325M	16.876M	16.35M	16.929M

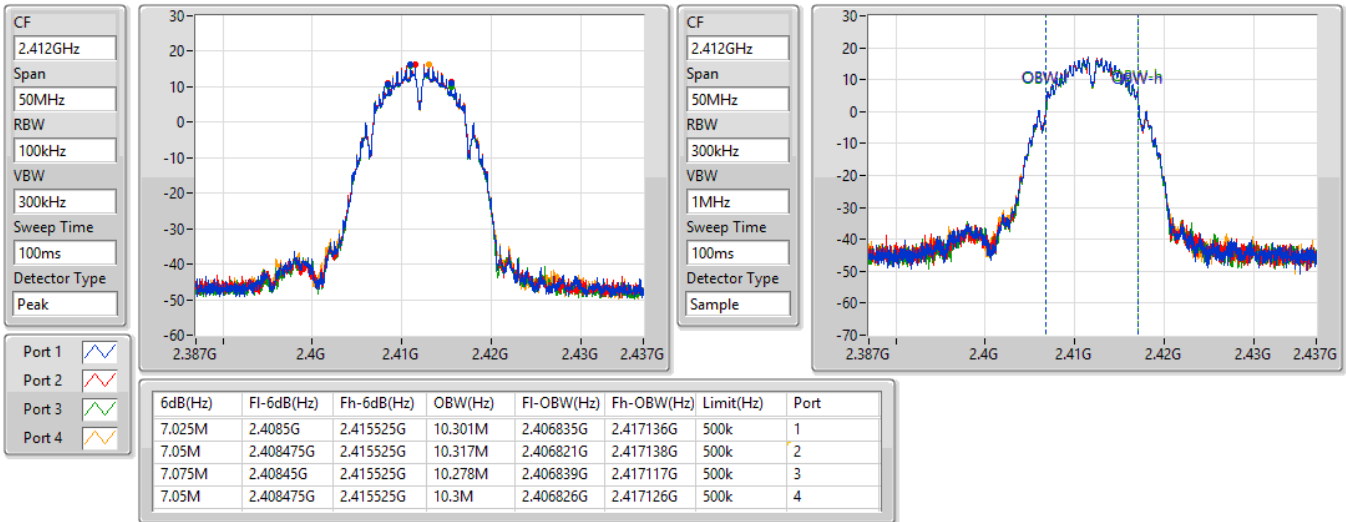
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

22/09/2022

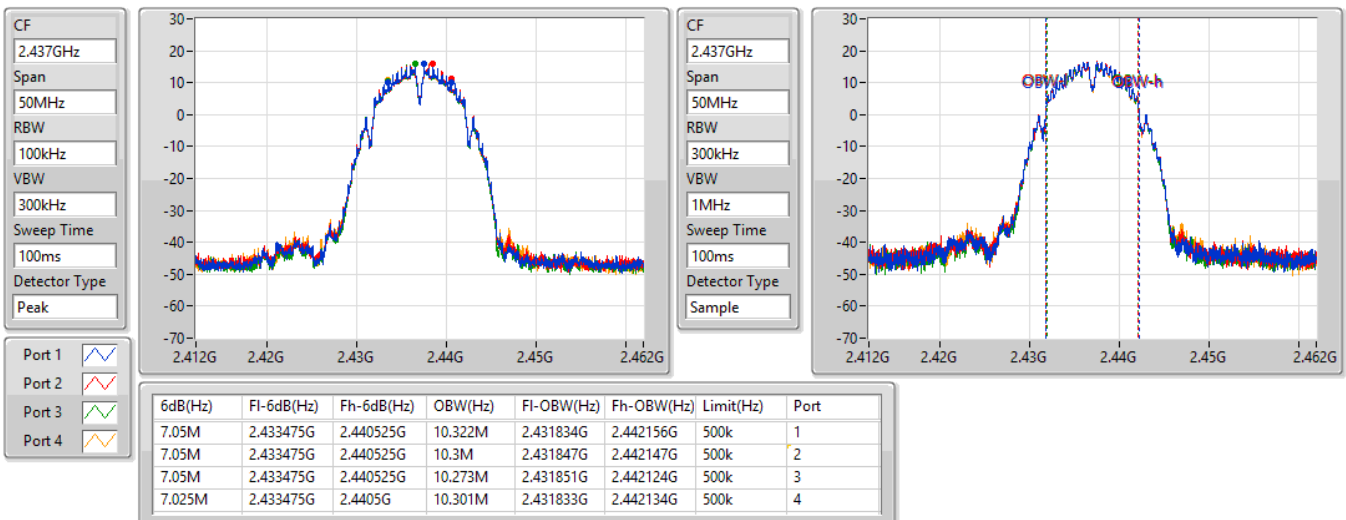


802.11b_Nss1,(1Mbps)_4TX

EBW

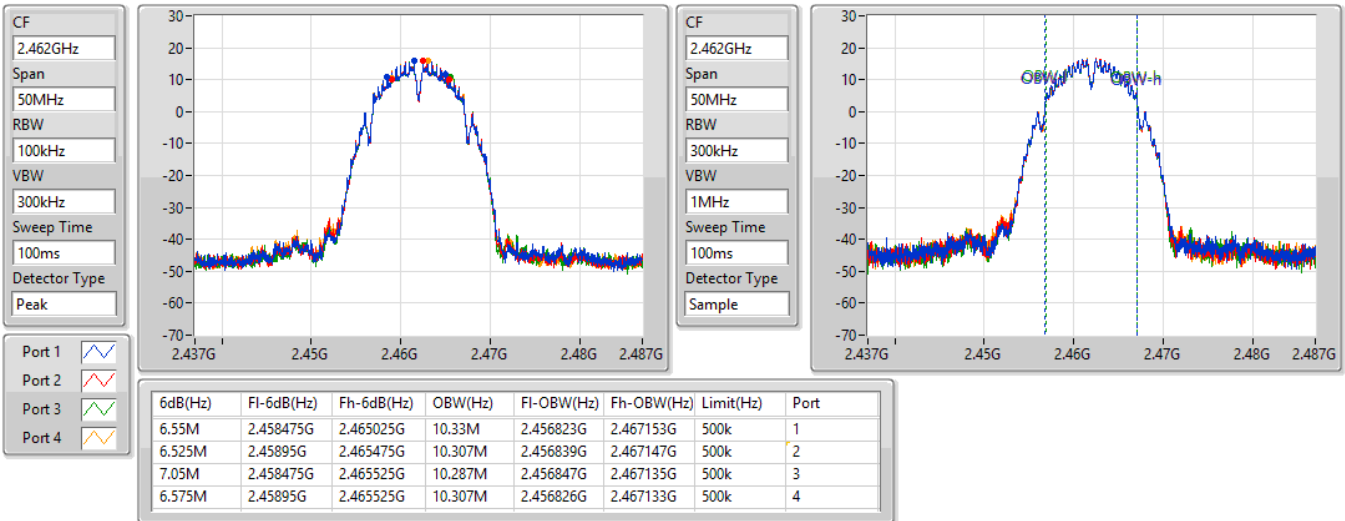
2437MHz

22/09/2022

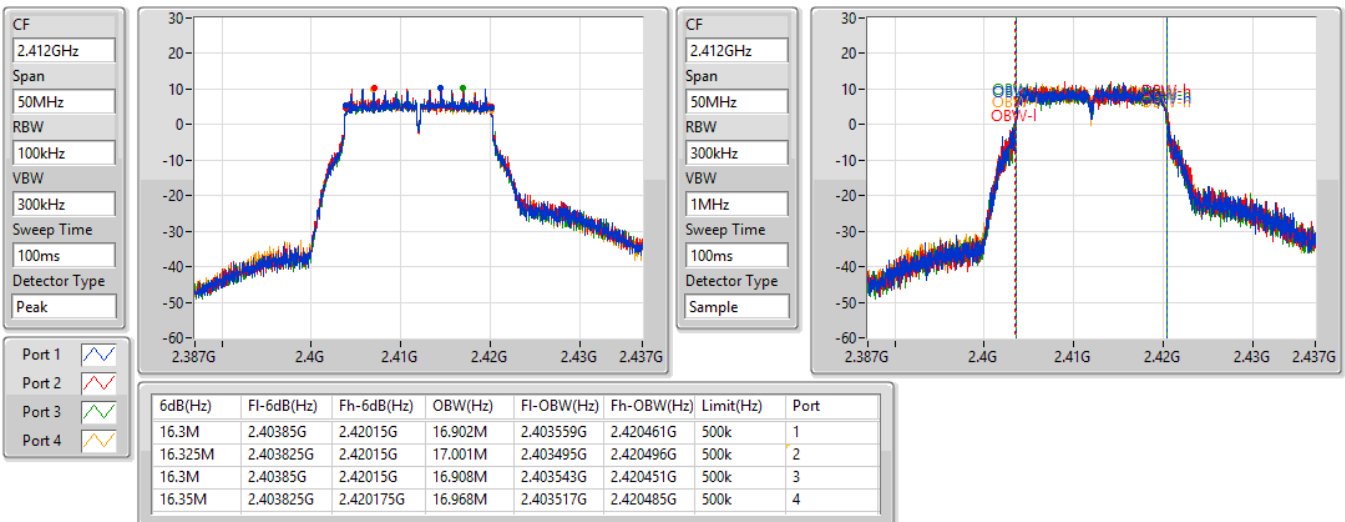


802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

22/09/2022

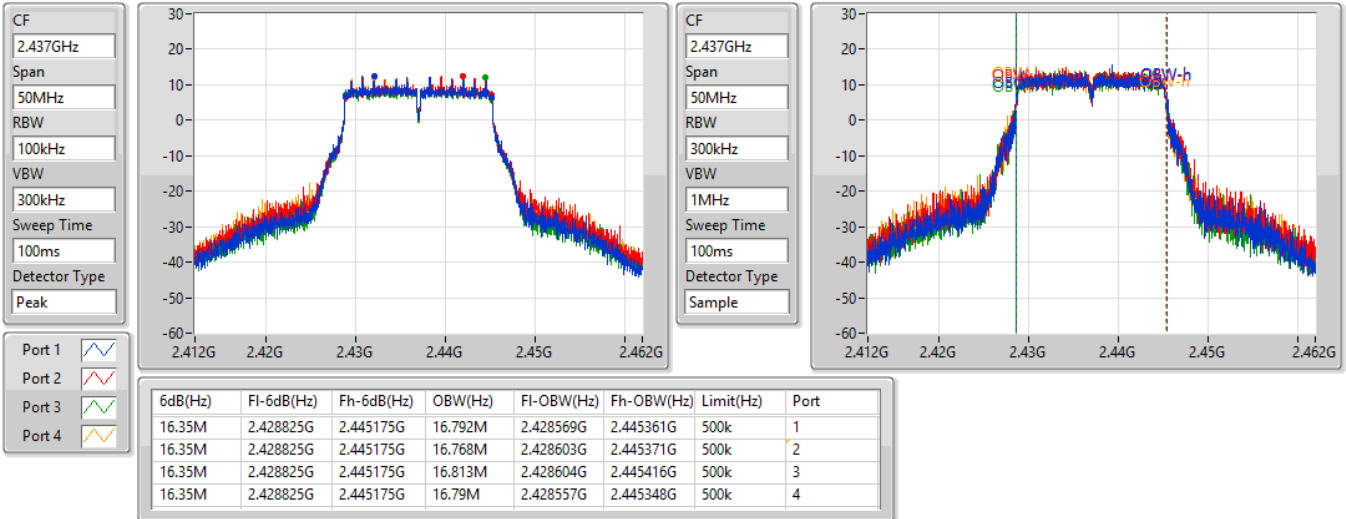

802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

22/09/2022

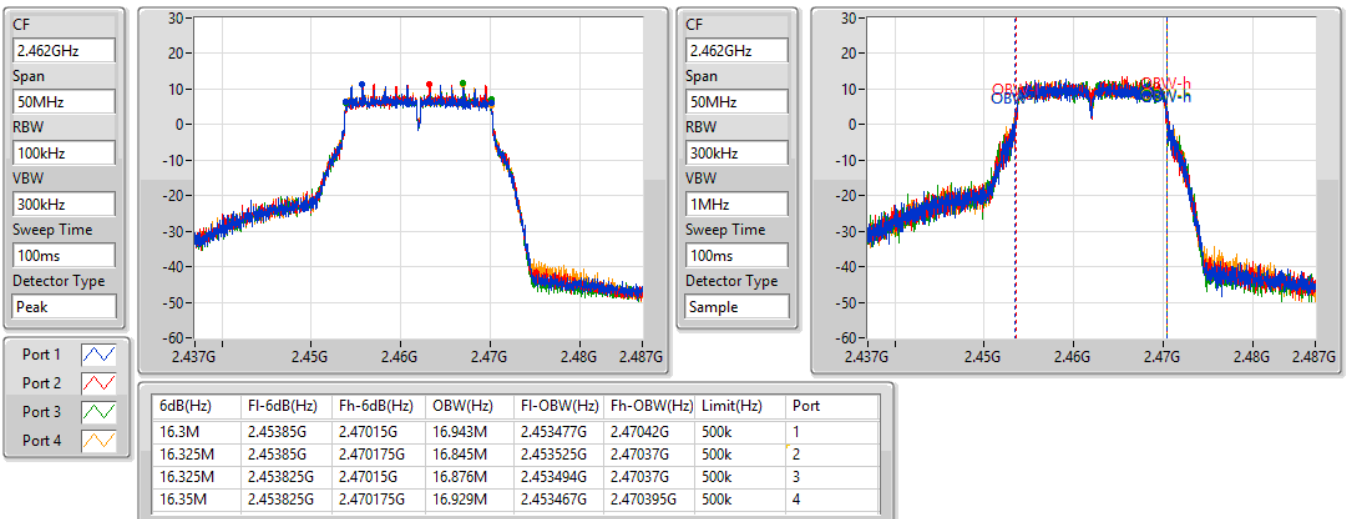


802.11g_Nss1,(6Mbps)_4TX
2437MHz

22/09/2022


802.11g_Nss1,(6Mbps)_4TX
2462MHz

22/09/2022





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	19M	19.098M	19M1D1D	18.7M	19.016M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.95M	38.044M	38M0D1D	37.5M	37.853M

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

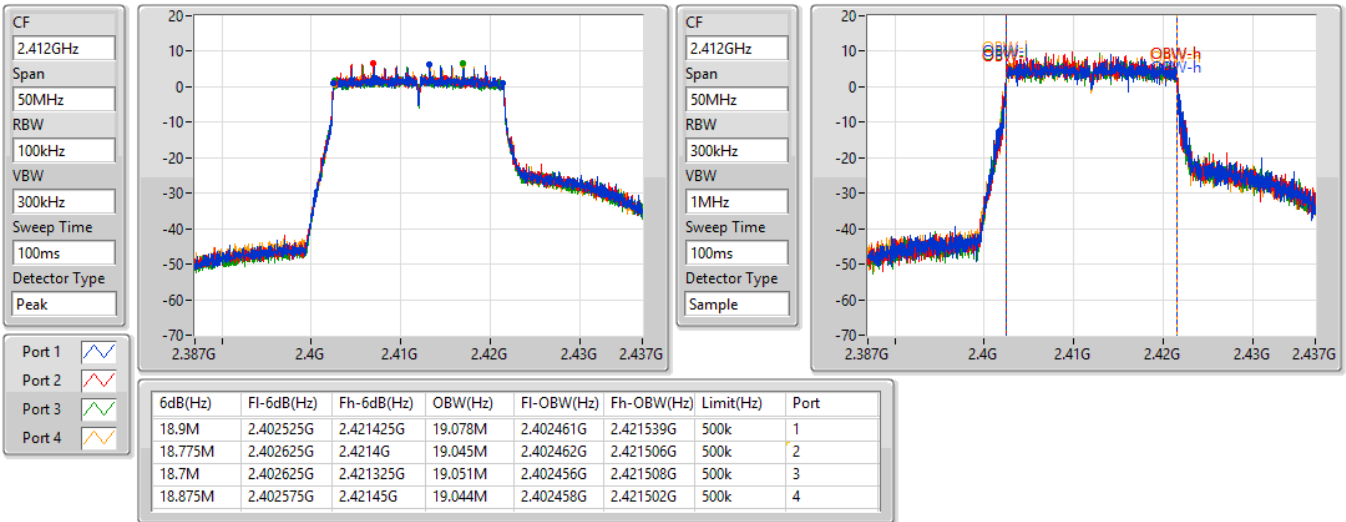
Result

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	18.9M	19.078M	18.775M	19.045M	18.7M	19.051M	18.875M	19.044M
2437MHz	Pass	500k	18.95M	19.022M	18.925M	19.044M	18.95M	19.016M	18.95M	19.033M
2462MHz	Pass	500k	18.825M	19.023M	18.925M	19.098M	18.825M	19.061M	19M	19.086M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.7M	37.96M	37.7M	38.032M	37.85M	38.026M	37.8M	37.935M
2437MHz	Pass	500k	37.85M	37.853M	37.8M	37.912M	37.95M	37.883M	37.9M	37.967M
2452MHz	Pass	500k	37.65M	38.044M	37.6M	37.973M	37.8M	38.018M	37.5M	38.02M

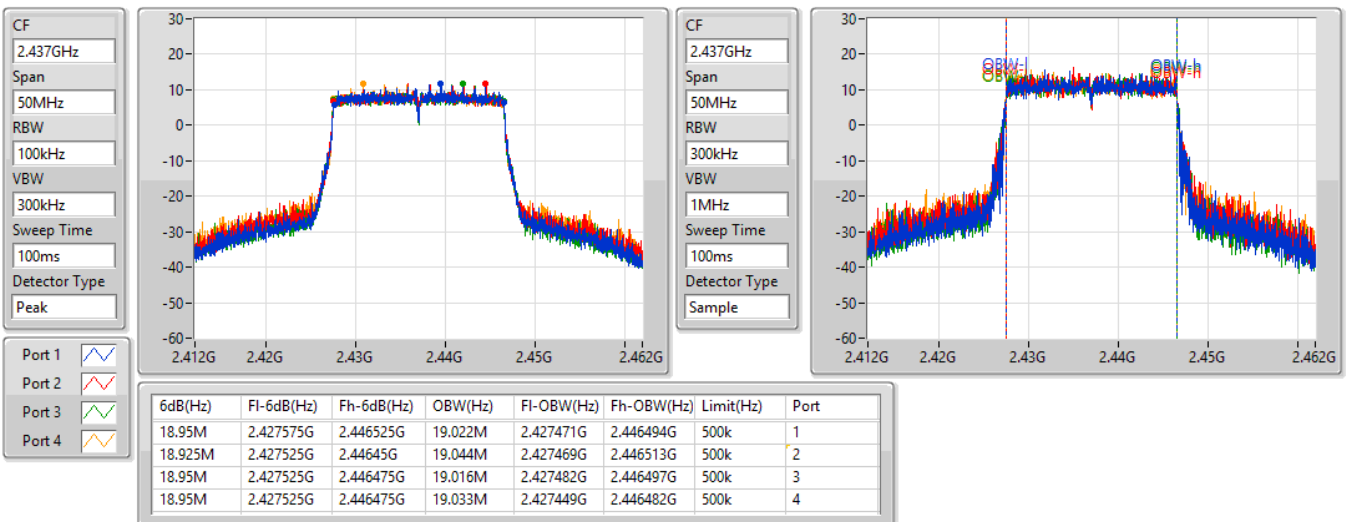
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

22/09/2022

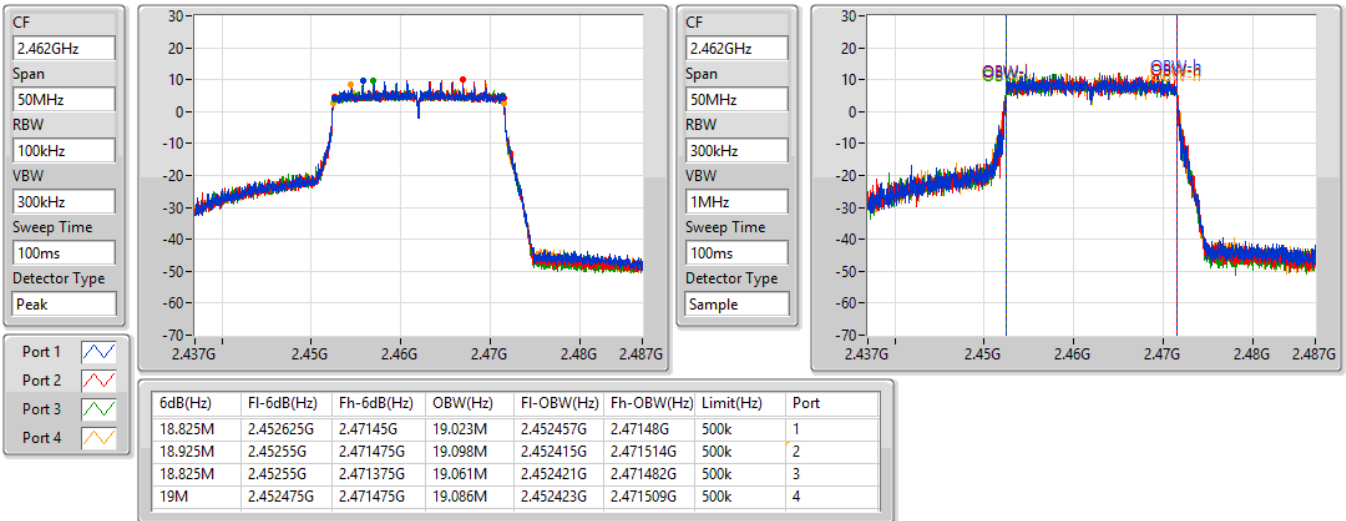

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

22/09/2022

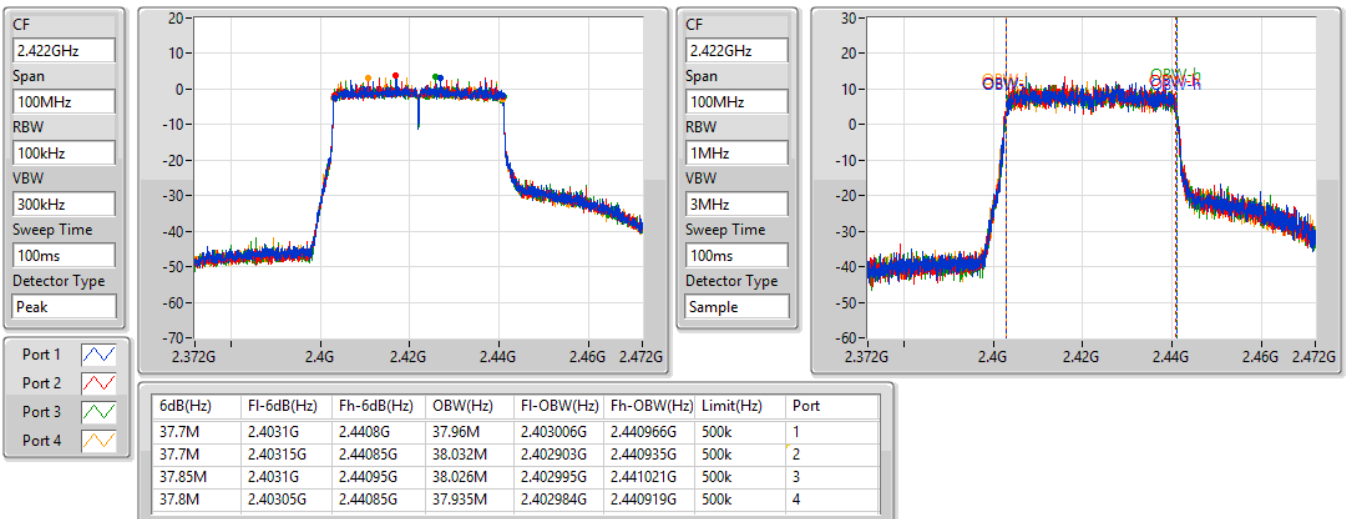


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

22/09/2022

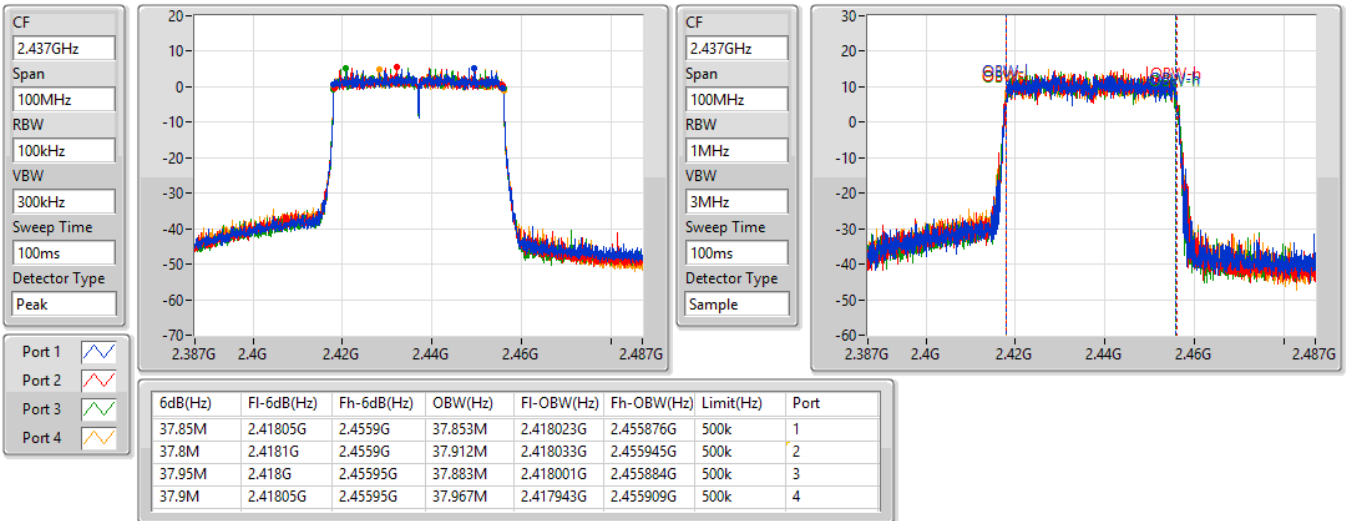

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

22/09/2022

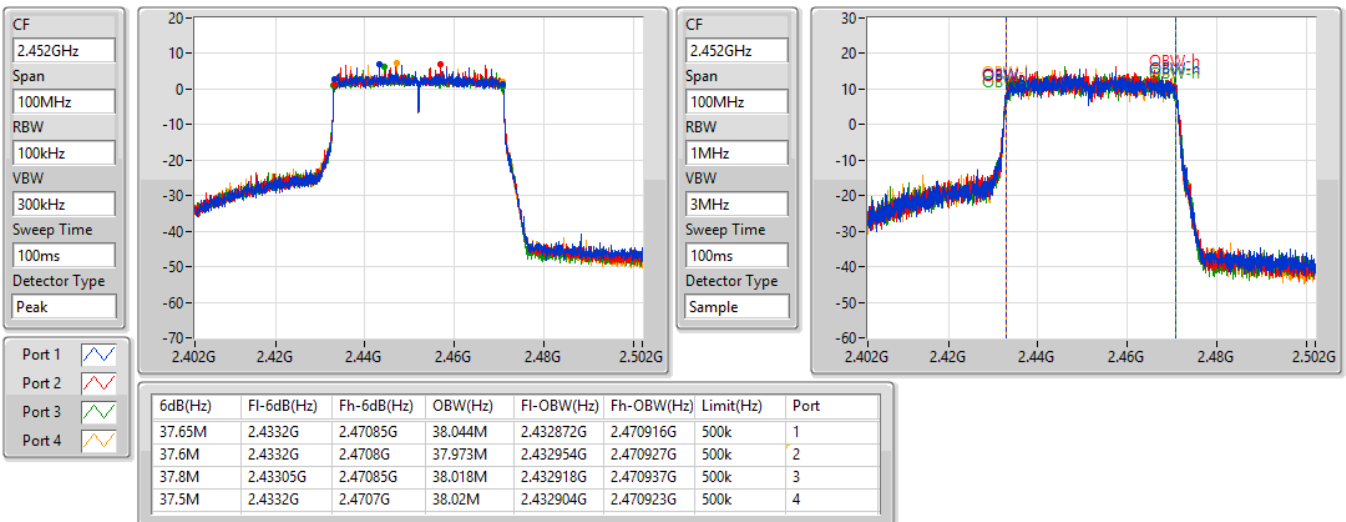


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

22/09/2022


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

22/09/2022





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_Nss2,(MCS0)_4TX	19.025M	19.091M	19M1D1D	18.775M	19.013M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	37.9M	38.023M	38M0D1D	37.55M	37.861M

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

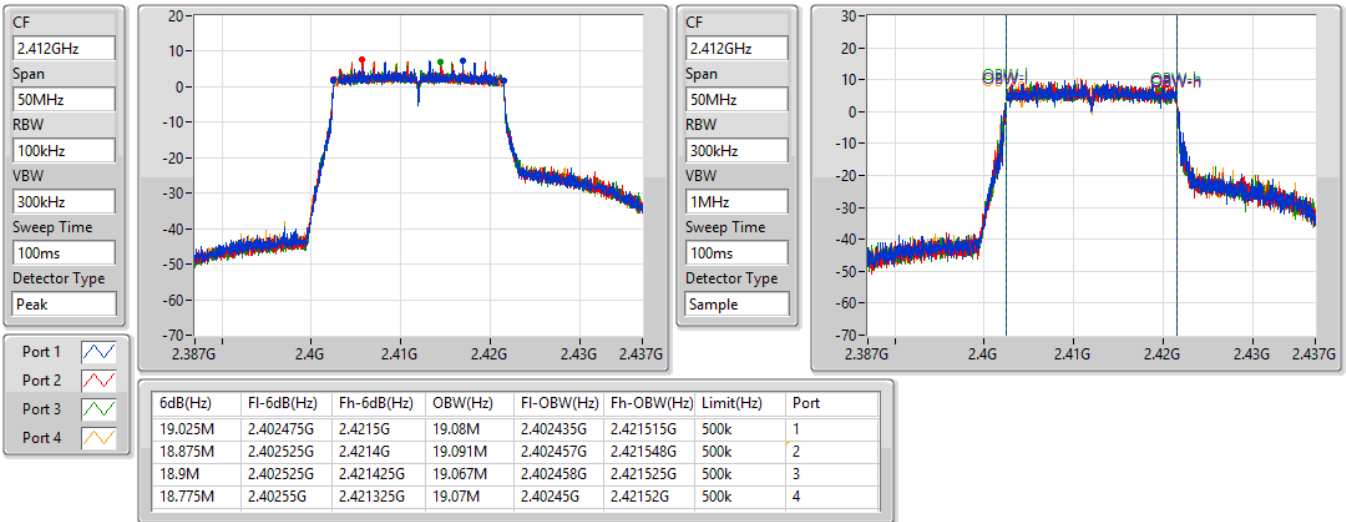
Result

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_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.025M	19.08M	18.875M	19.091M	18.9M	19.067M	18.775M	19.07M
2437MHz	Pass	500k	19.025M	19.075M	18.975M	19.04M	18.975M	19.047M	18.975M	19.021M
2462MHz	Pass	500k	18.8M	19.051M	18.825M	19.088M	18.8M	19.053M	18.925M	19.013M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	38.023M	37.75M	38.023M	37.75M	37.98M	37.6M	37.998M
2437MHz	Pass	500k	37.9M	37.861M	37.85M	37.883M	37.8M	37.91M	37.75M	37.948M
2452MHz	Pass	500k	37.55M	37.938M	37.7M	37.964M	37.7M	37.966M	37.6M	37.93M

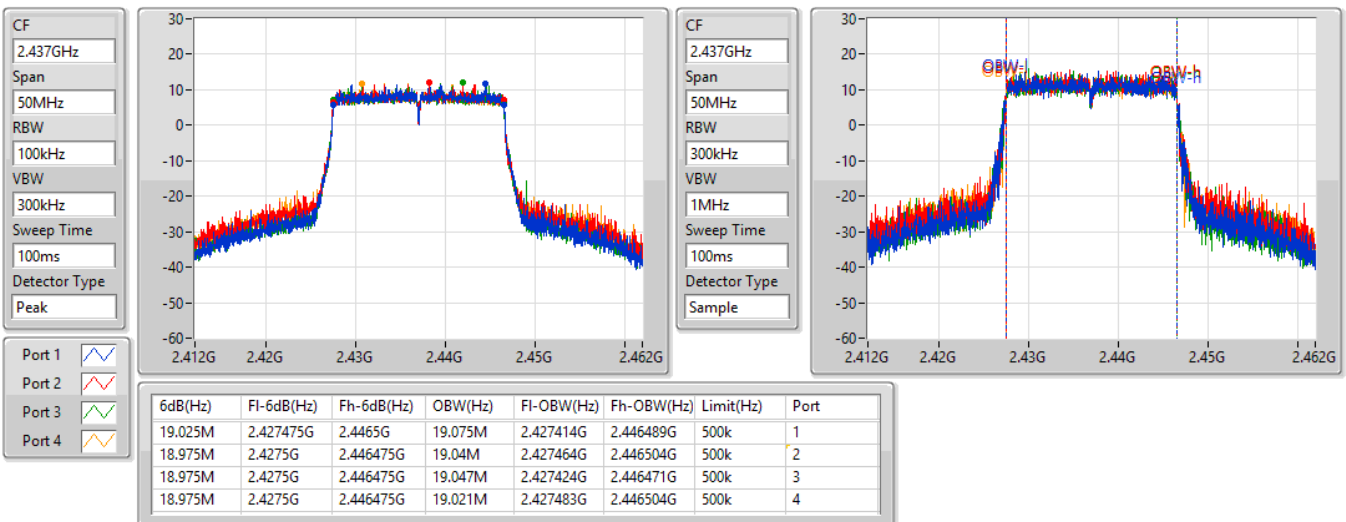
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2412MHz

22/09/2022

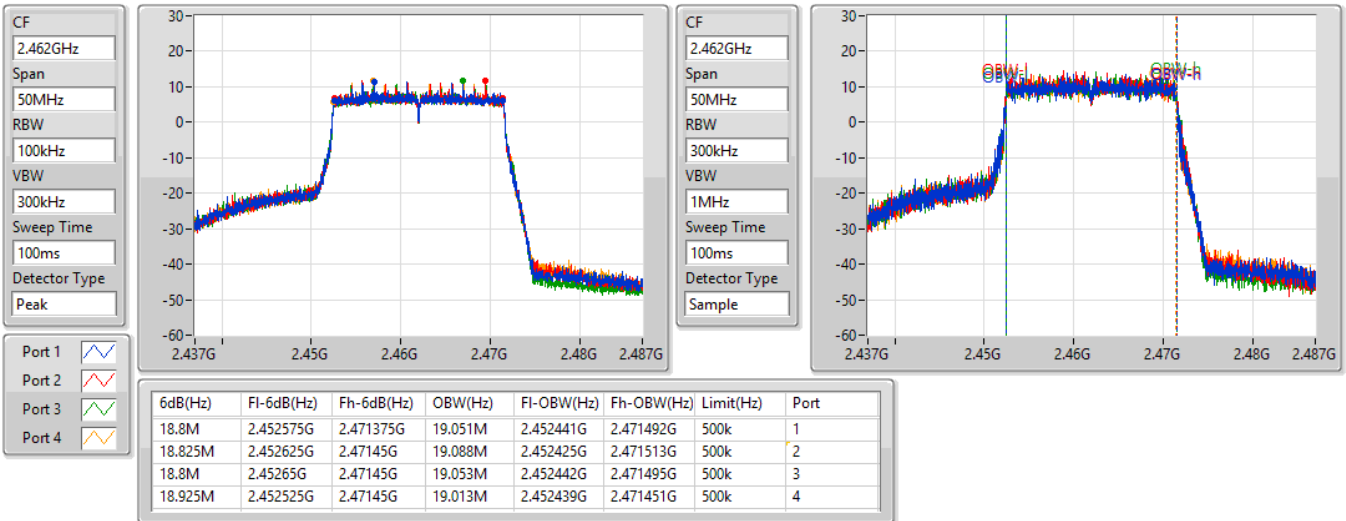

802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2437MHz

22/09/2022

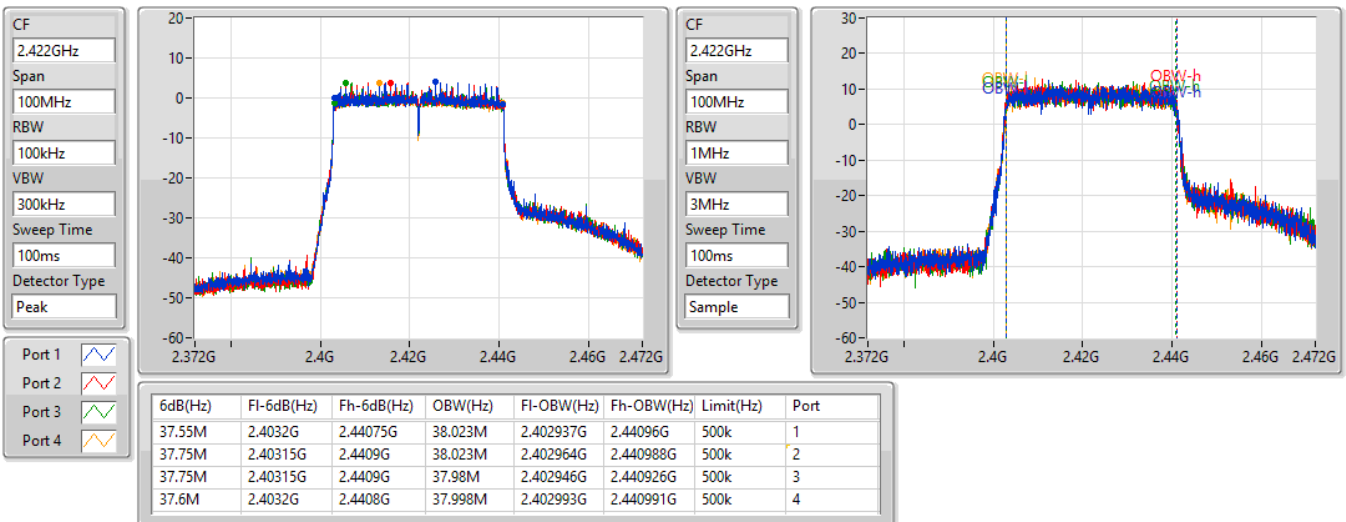


802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2462MHz

22/09/2022

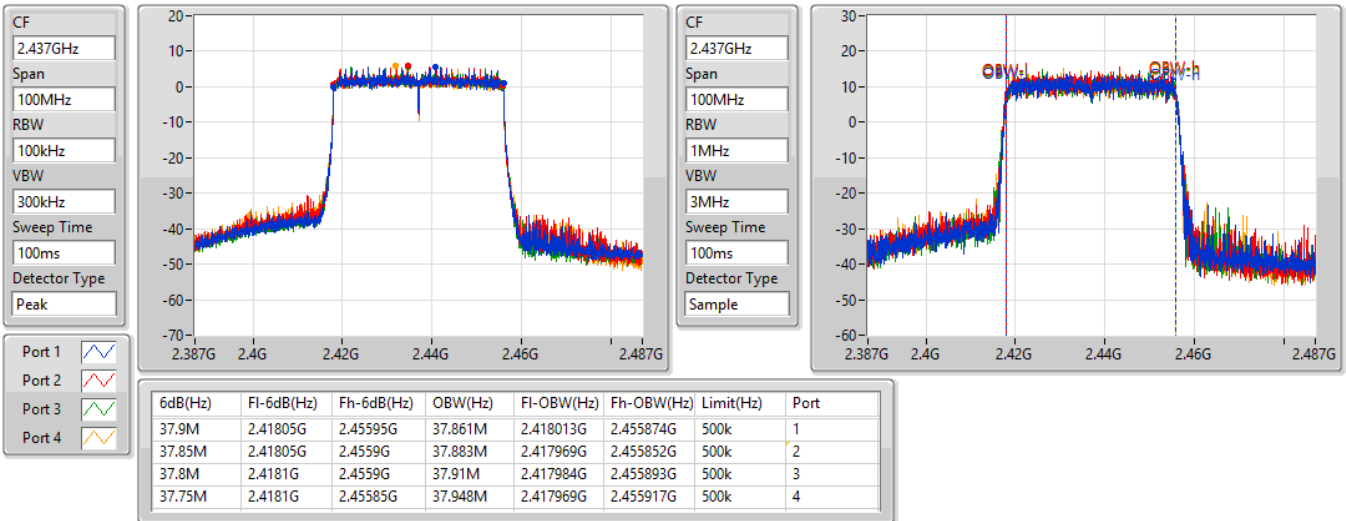

802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
2422MHz

22/09/2022

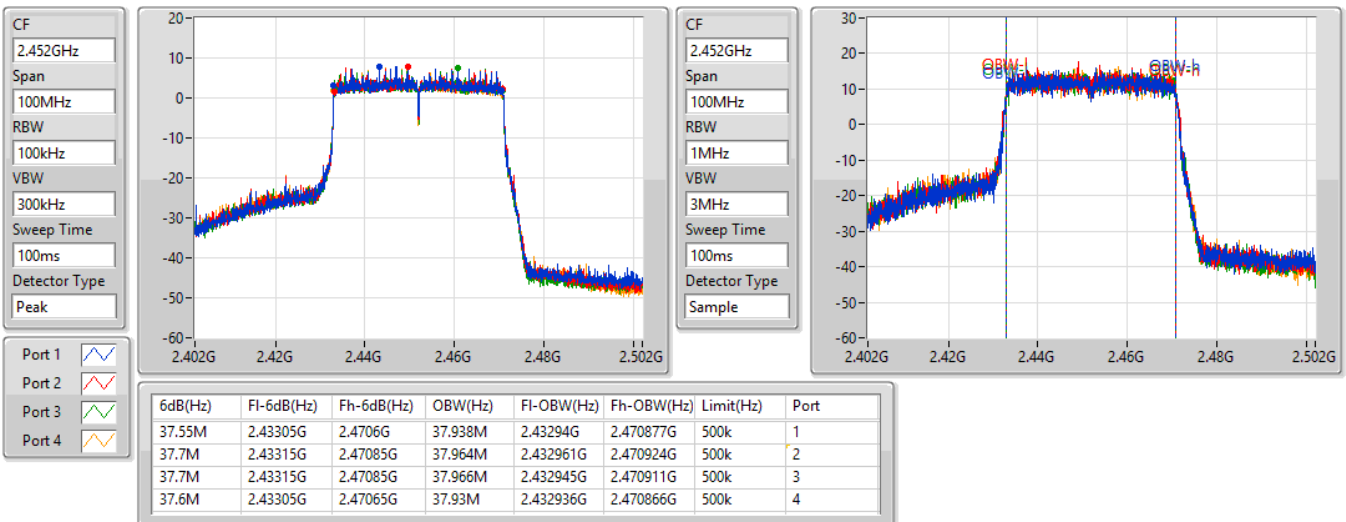


802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
2437MHz

22/09/2022


802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
2452MHz

22/09/2022





Average Power_4T1S (For Non-beamforming Mode)

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.93	0.98401
802.11g_Nss1,(6Mbps)_4TX	29.77	0.94842



Average Power_4T1S (For Non-beamforming Mode)

Appendix C.1

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	2.01	23.78	23.88	23.90	23.73	29.84	30.00
2417MHz	Pass	2.01	23.83	23.99	23.83	23.68	29.85	30.00
2437MHz	Pass	2.01	24.01	23.96	23.95	23.73	29.93	30.00
2462MHz	Pass	2.01	23.71	23.89	23.87	23.63	29.80	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.01	20.81	20.92	20.98	20.97	26.94	30.00
2417MHz	Pass	2.01	23.24	23.48	23.19	23.16	29.29	30.00
2437MHz	Pass	2.01	23.59	24.03	23.65	23.73	29.77	30.00
2457MHz	Pass	2.01	22.89	22.77	22.34	22.81	28.73	30.00
2462MHz	Pass	2.01	21.75	22.12	22.02	22.15	28.03	30.00

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



Average Power_4T1S (For Beamforming Mode)

Appendix C.2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.62	0.91622
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	27.13	0.51642



Average Power_4T1S (For Beamforming Mode)

Appendix C.2

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	6.35	17.31	17.60	17.26	17.44	23.43	29.65
2417MHz	Pass	6.35	20.64	20.99	20.67	20.58	26.74	29.65
2437MHz	Pass	6.35	23.46	23.68	23.56	23.70	29.62	29.65
2457MHz	Pass	6.35	22.08	22.24	22.22	22.08	28.18	29.65
2462MHz	Pass	6.35	20.43	20.71	20.54	20.60	26.59	29.65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.35	17.62	17.84	17.65	17.71	23.73	29.65
2437MHz	Pass	6.35	20.84	21.04	21.02	20.83	26.95	29.65
2452MHz	Pass	6.35	20.96	21.27	21.09	21.10	27.13	29.65

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	29.87	0.97051
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	27.81	0.60395



Average Power_4T2S (For Beamforming Mode)

Appendix C.3

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_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.35	18.31	18.43	18.25	18.33	24.35	30.00
2417MHz	Pass	3.35	22.58	22.92	22.59	22.69	28.72	30.00
2437MHz	Pass	3.35	23.71	23.92	23.86	23.89	29.87	30.00
2462MHz	Pass	3.35	22.39	22.50	22.33	22.49	28.45	30.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.35	18.17	18.55	18.12	18.12	24.26	30.00
2437MHz	Pass	3.35	20.45	20.59	20.48	20.60	26.55	30.00
2452MHz	Pass	3.35	21.81	21.93	21.72	21.69	27.81	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	5.49
802.11g_Nss1,(6Mbps)_4TX	2.04

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	6.35	1.34	0.29	1.83	0.97	4.70	7.65
2437MHz	Pass	6.35	1.34	1.50	1.58	0.61	5.49	7.65
2462MHz	Pass	6.35	0.15	1.42	0.84	0.74	4.88	7.65
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.35	-5.50	-5.39	-5.44	-5.10	-1.00	7.65
2437MHz	Pass	6.35	-2.64	-1.88	-1.88	-2.70	2.04	7.65
2462MHz	Pass	6.35	-3.81	-3.26	-3.63	-3.37	0.95	7.65

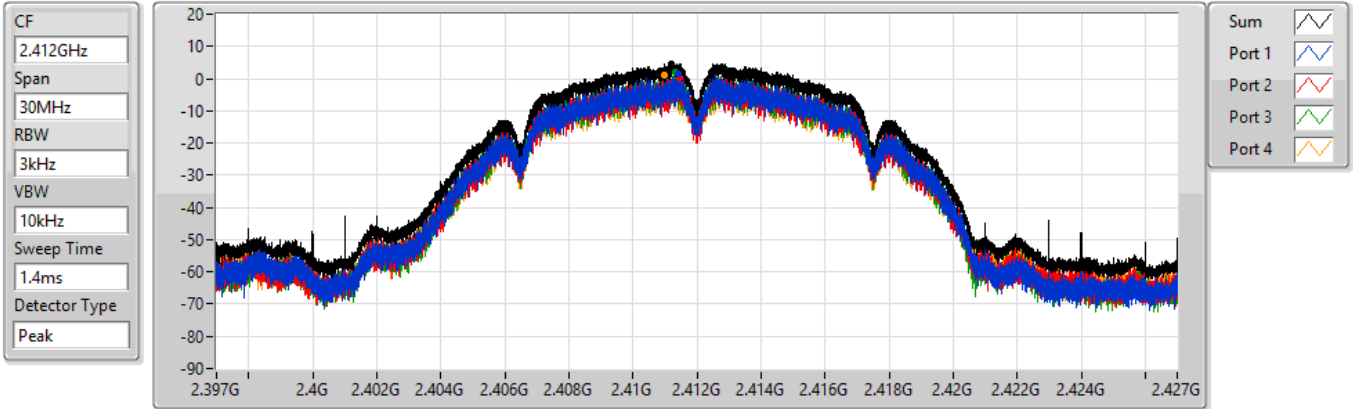
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_4TX

2412MHz

PSD

22/09/2022



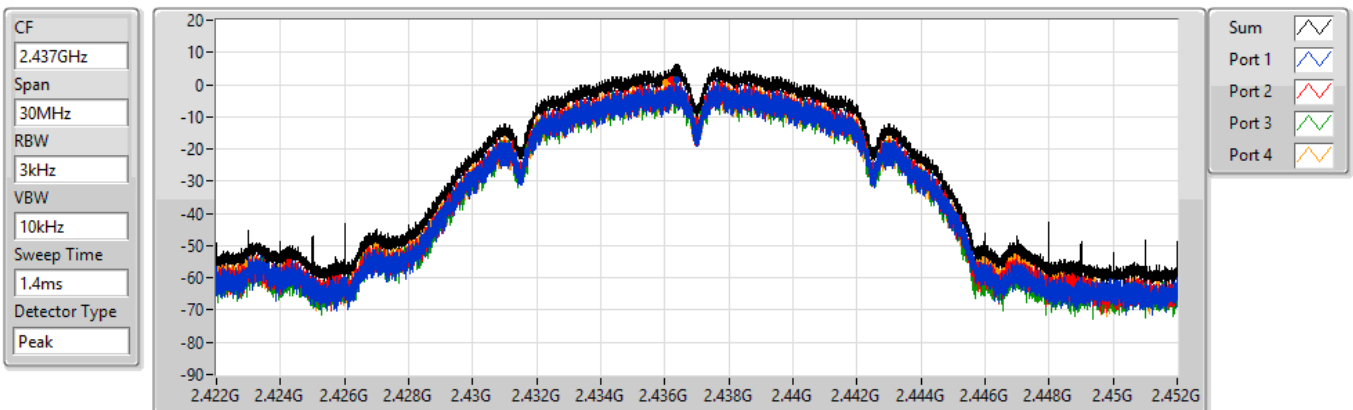
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.70	4.70	1.34	0.29	1.83	0.97

802.11b_Nss1,(1Mbps)_4TX

2437MHz

PSD

22/09/2022



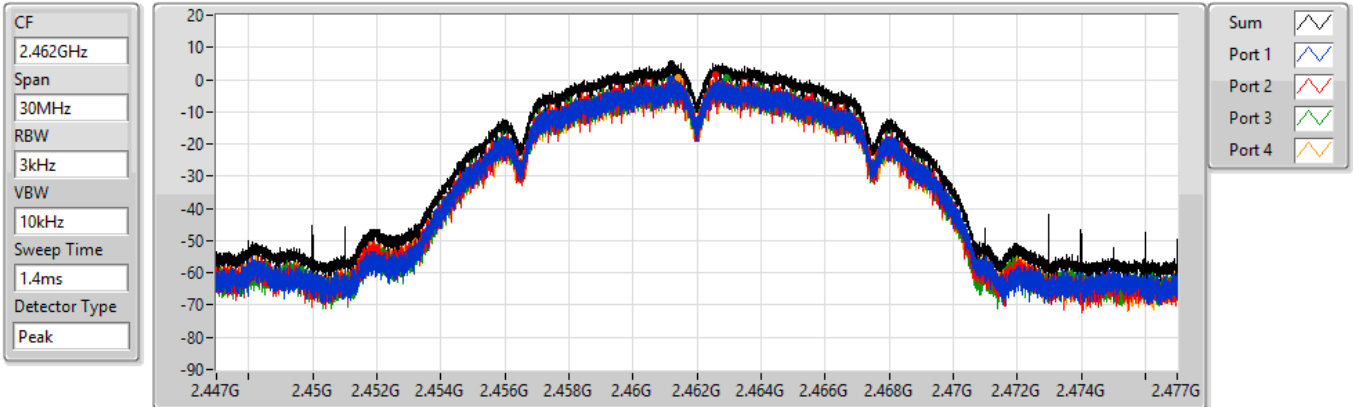
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.49	5.49	1.34	1.50	1.58	0.61

802.11b_Nss1,(1Mbps)_4TX

2462MHz

PSD

22/09/2022



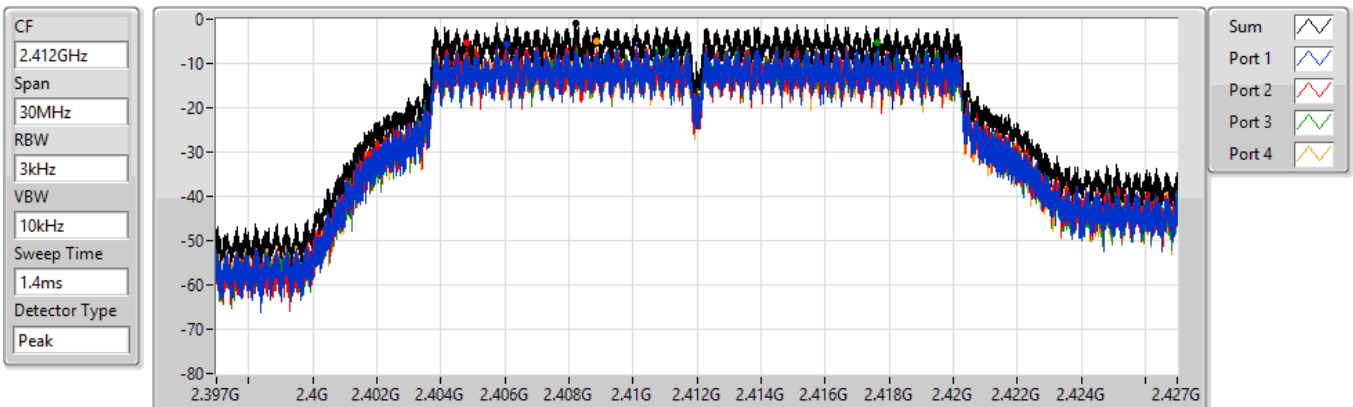
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.88	4.88	0.15	1.42	0.84	0.74

802.11g_Nss1,(6Mbps)_4TX

2412MHz

PSD

22/09/2022



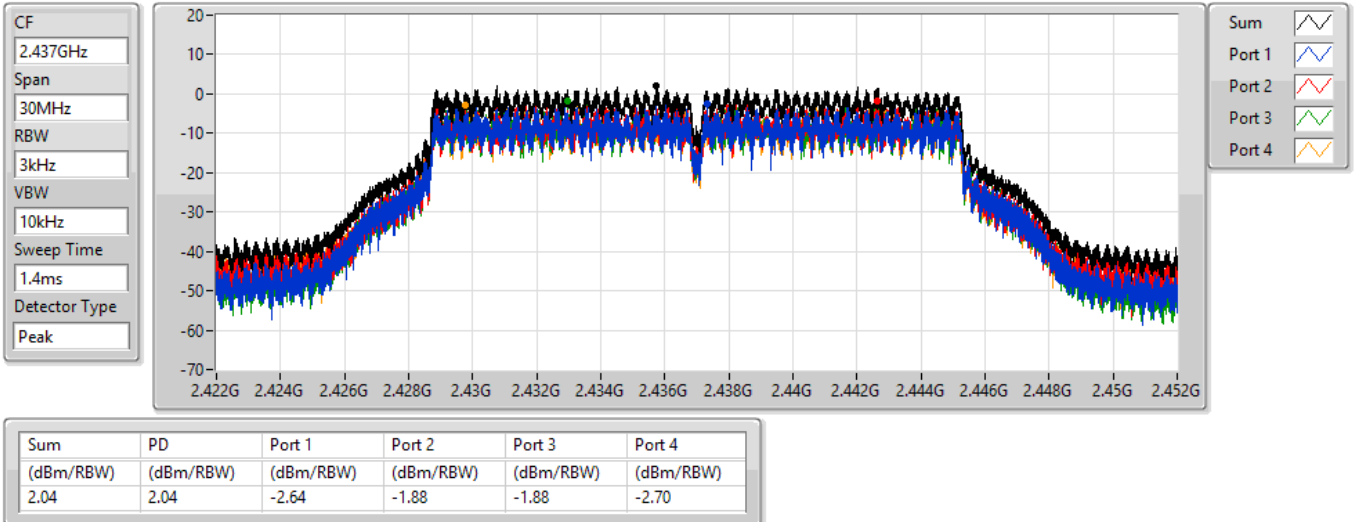
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.00	-1.00	-5.50	-5.39	-5.44	-5.10

802.11g_Nss1,(6Mbps)_4TX

2437MHz

PSD

22/09/2022

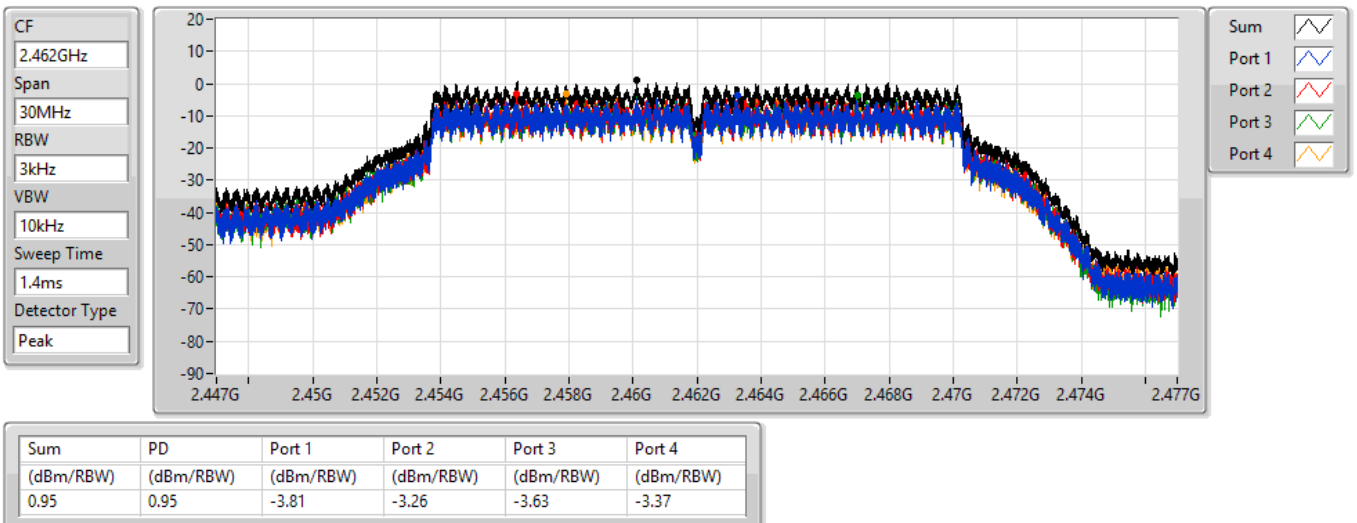


802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

22/09/2022





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.79
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-3.22

RBW = 3kHz;

Result

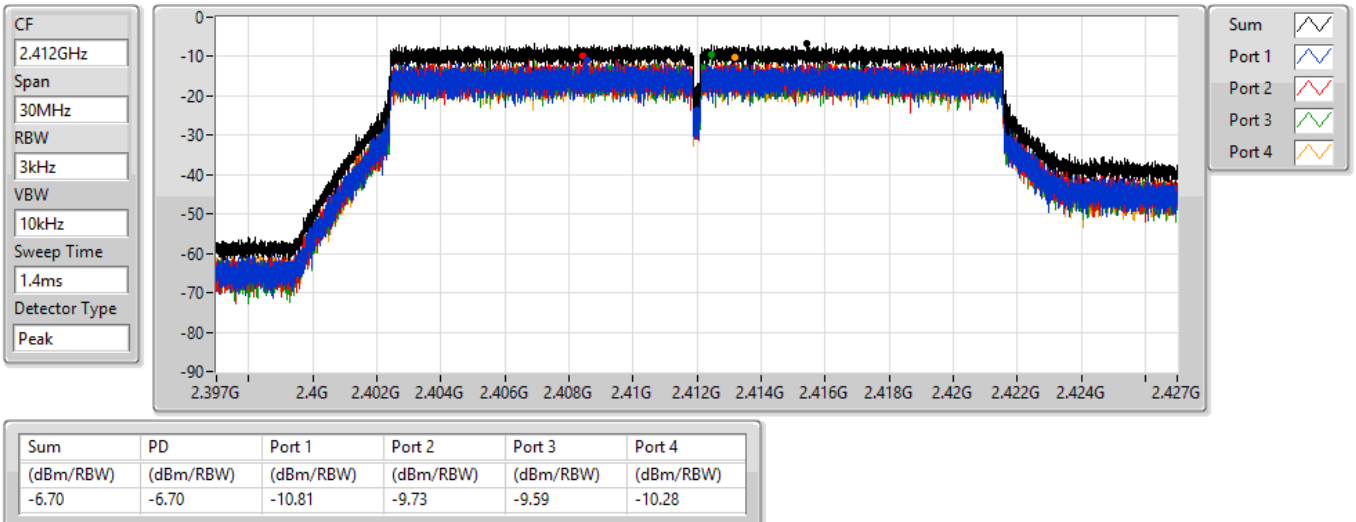
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.35	-10.81	-9.73	-9.59	-10.28	-6.70	7.65
2437MHz	Pass	6.35	-4.39	-3.47	-3.83	-3.97	0.79	7.65
2462MHz	Pass	6.35	-6.98	-7.19	-6.08	-5.44	-1.36	7.65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.35	-12.84	-12.41	-12.41	-12.97	-8.49	7.65
2437MHz	Pass	6.35	-7.98	-7.62	-7.35	-7.68	-3.22	7.65
2452MHz	Pass	6.35	-9.06	-9.30	-8.52	-9.31	-5.03	7.65

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

2412MHz

22/09/2022



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz

22/09/2022



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz

PSD

22/09/2022

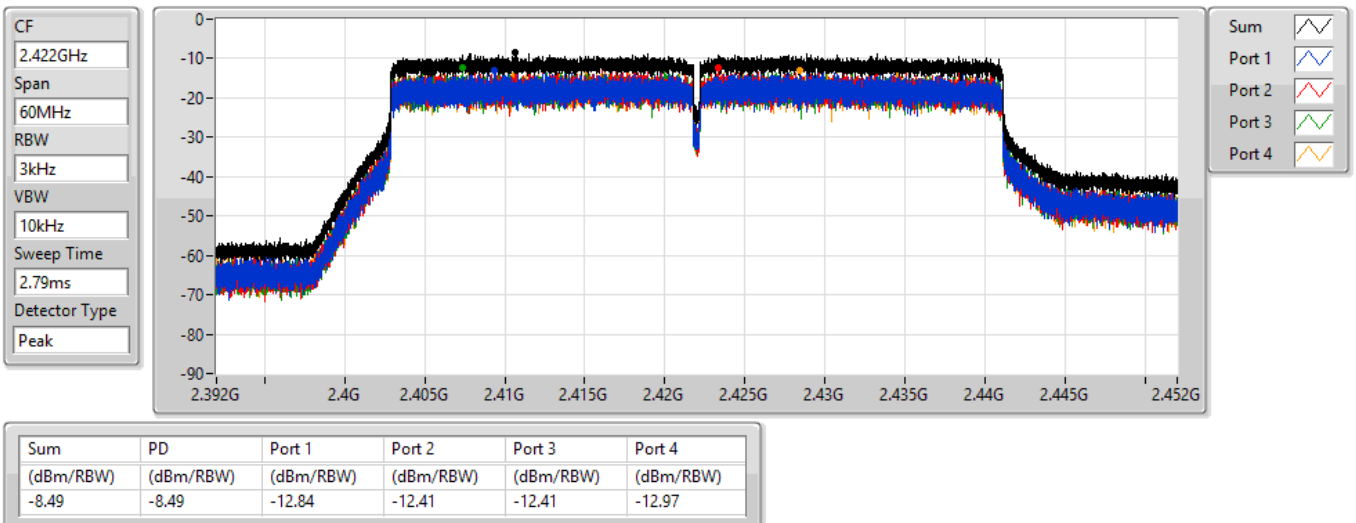


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz

PSD

22/09/2022

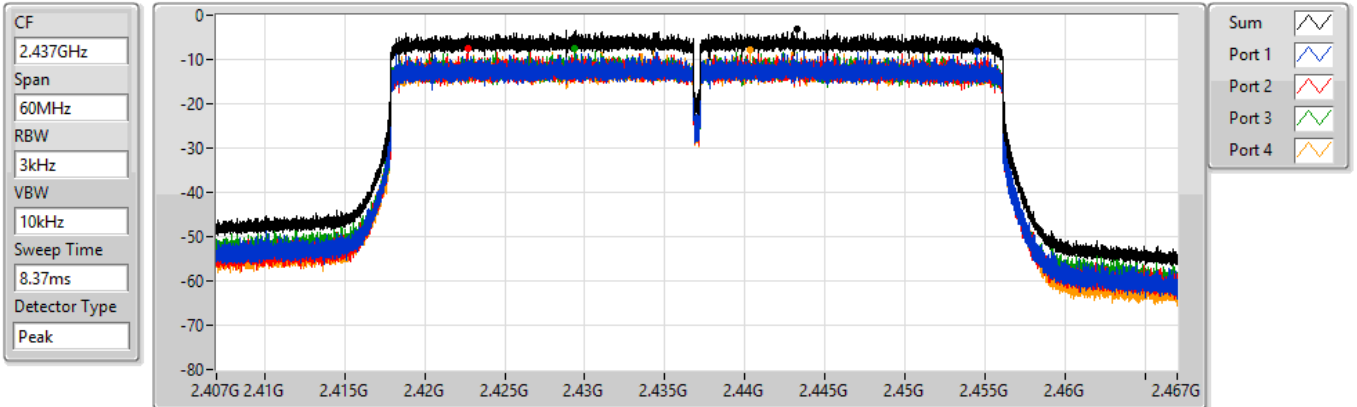


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

27/09/2022



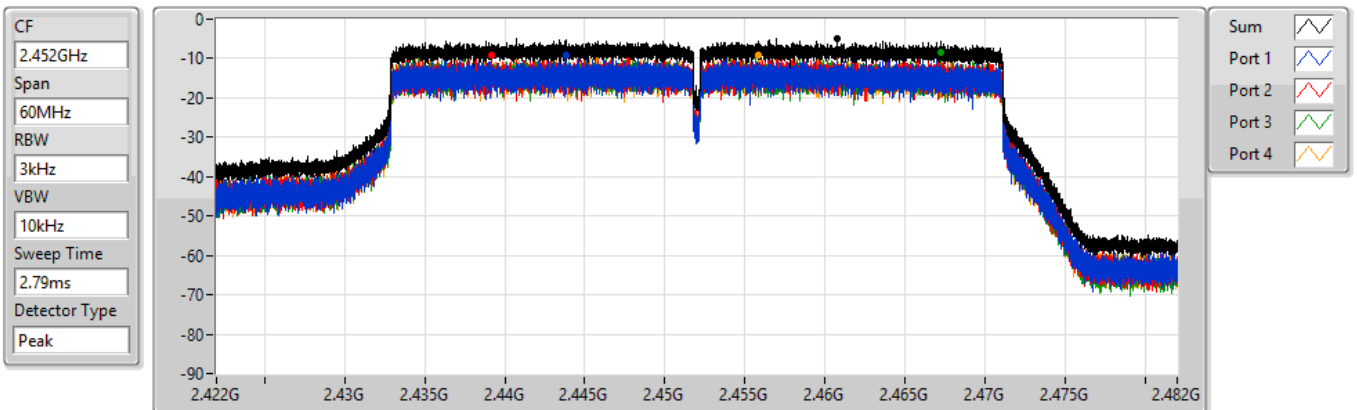
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.22	-3.22	-7.98	-7.62	-7.35	-7.68

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

22/09/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.03	-5.03	-9.06	-9.30	-8.52	-9.31



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	0.45
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-4.37

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_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.35	-8.94	-7.48	-9.70	-8.19	-4.68	8.00
2437MHz	Pass	3.35	-3.93	-3.10	-3.57	-3.04	0.45	8.00
2462MHz	Pass	3.35	-5.52	-3.62	-4.90	-5.26	-0.30	8.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.35	-11.77	-10.90	-12.07	-11.95	-7.67	8.00
2437MHz	Pass	3.35	-9.58	-9.33	-10.00	-9.74	-5.31	8.00
2452MHz	Pass	3.35	-8.01	-8.07	-9.01	-7.88	-4.37	8.00

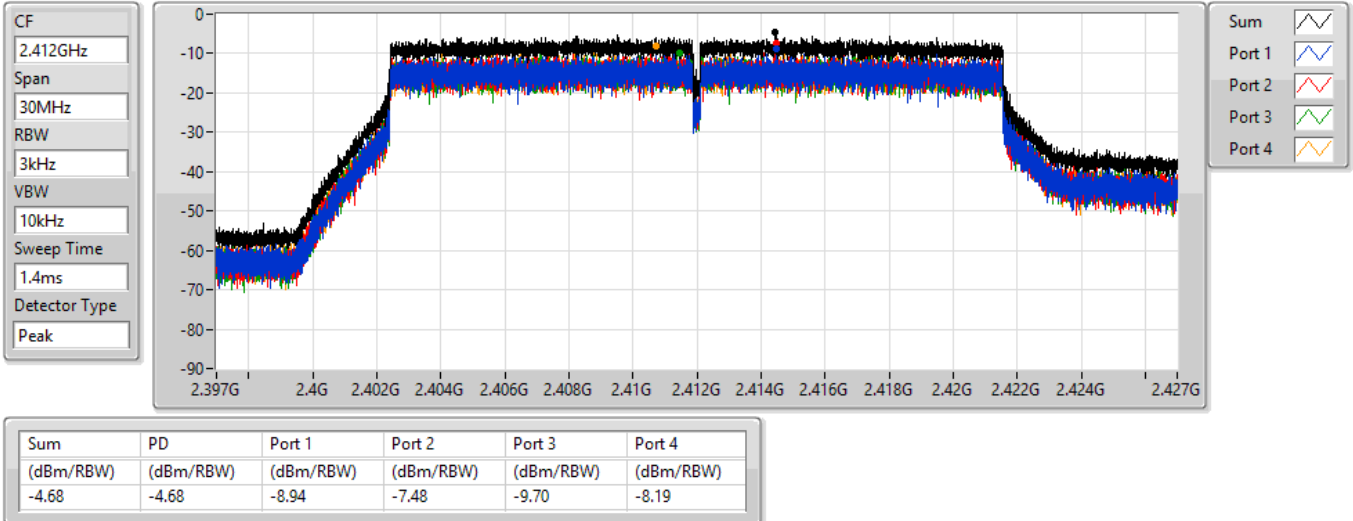
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz

PSD

22/09/2022



802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz

PSD

22/09/2022

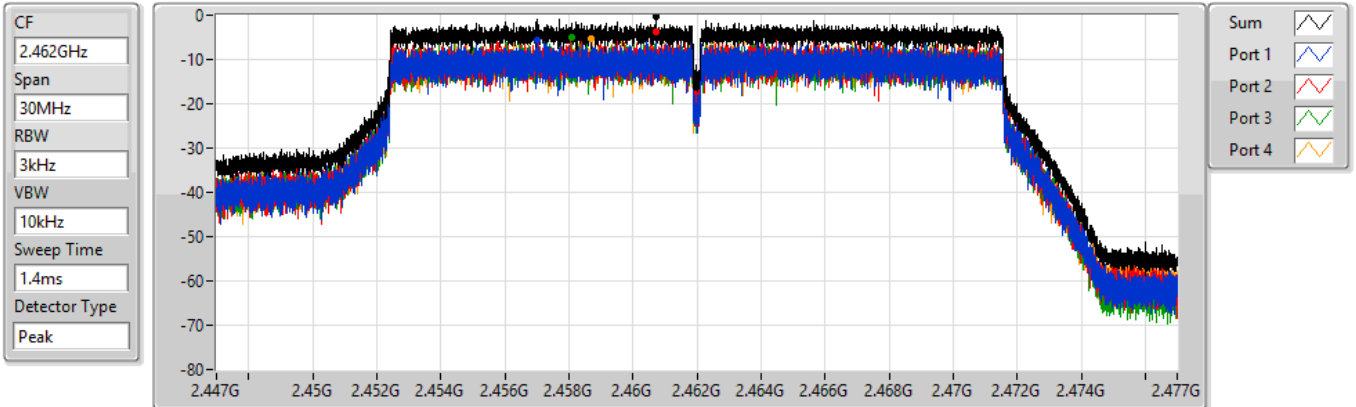


802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

2462MHz

22/09/2022



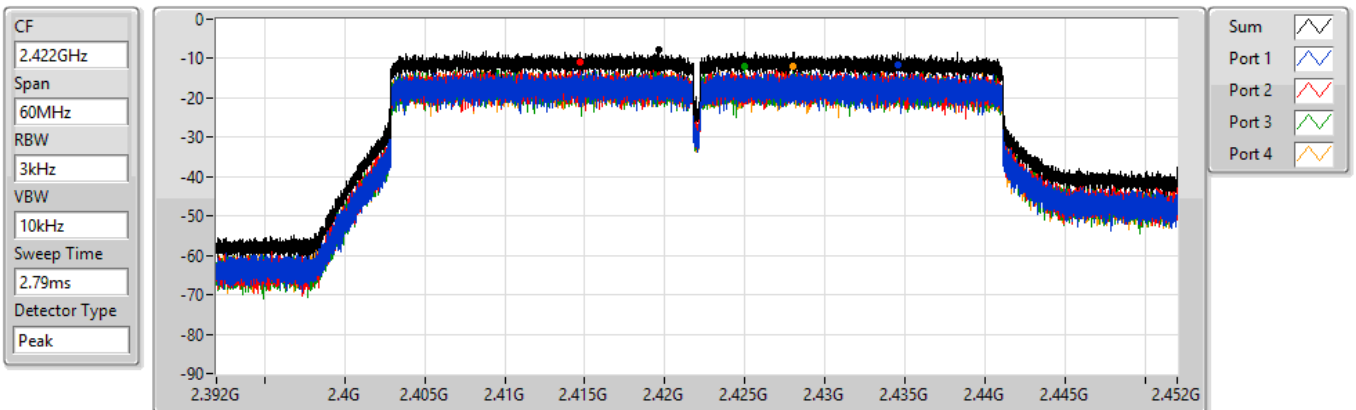
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.30	-0.30	-5.52	-3.62	-4.90	-5.26

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

2422MHz

22/09/2022



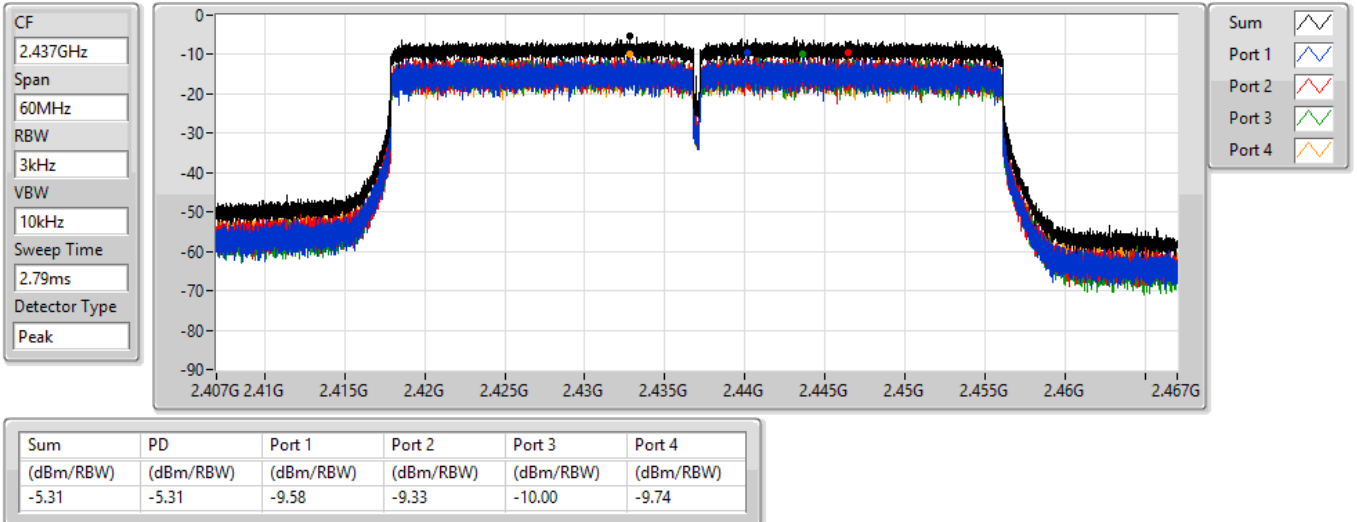
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.67	-7.67	-11.77	-10.90	-12.07	-11.95

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz

PSD

22/09/2022

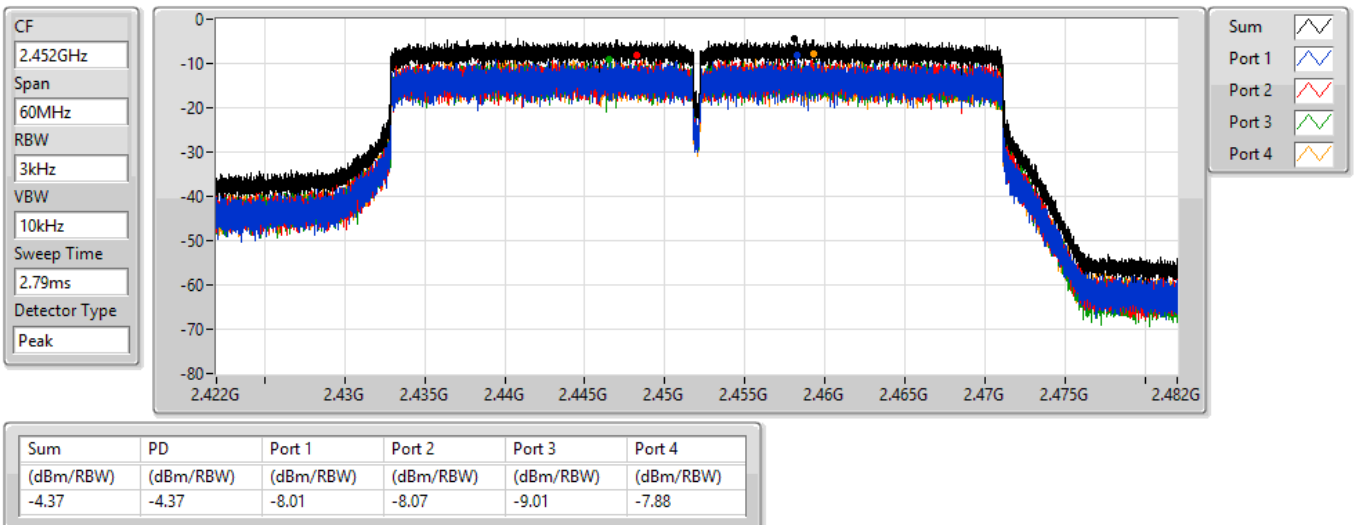


802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz

PSD

22/09/2022





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	2.43799G	16.58	-13.42	2.30466G	-49.71	2.39802G	-35.45	2.4G	-41.36	2.49014G	-47.47	21.64819G	-49.09	4
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44196G	12.76	-17.24	2.30991G	-49.83	2.397G	-31.57	2.4G	-34.62	2.48666G	-49.12	21.84486G	-48.71	4

Result

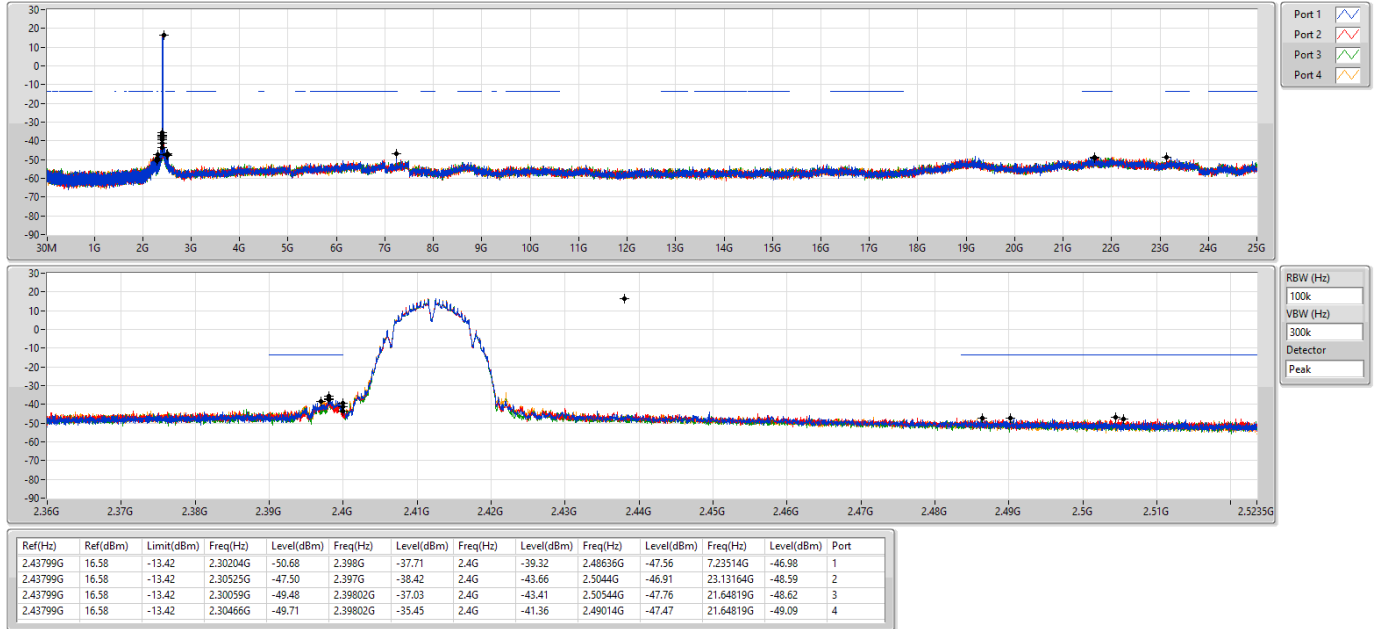
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	16.58	-13.42	2.30204G	-50.68	2.398G	-37.71	2.4G	-39.32	2.48636G	-47.56	7.23514G	-46.98	1
2412MHz	Pass	2.43799G	16.58	-13.42	2.30525G	-47.50	2.397G	-38.42	2.4G	-43.66	2.5044G	-46.91	23.13164G	-48.59	2
2412MHz	Pass	2.43799G	16.58	-13.42	2.30059G	-49.48	2.39802G	-37.03	2.4G	-43.41	2.50544G	-47.76	21.64819G	-48.62	3
2412MHz	Pass	2.43799G	16.58	-13.42	2.30466G	-49.71	2.39802G	-35.45	2.4G	-41.36	2.49014G	-47.47	21.64819G	-49.09	4
2437MHz	Pass	2.43799G	16.58	-13.42	2.30146G	-50.29	2.39786G	-44.60	2.4G	-47.98	2.4904G	-45.51	21.67629G	-48.70	1
2437MHz	Pass	2.43799G	16.58	-13.42	2.30845G	-48.89	2.39392G	-44.52	2.4835G	-47.10	2.48356G	-44.89	21.63976G	-49.16	2
2437MHz	Pass	2.43799G	16.58	-13.42	2.30991G	-48.85	2.39782G	-44.60	2.4G	-47.34	2.4846G	-45.91	23.36203G	-48.74	3
2437MHz	Pass	2.43799G	16.58	-13.42	2.30903G	-48.07	2.3965G	-44.79	2.4G	-47.95	2.48438G	-46.76	21.60886G	-48.92	4
2462MHz	Pass	2.43799G	16.58	-13.42	2.30961G	-50.94	2.3993G	-46.67	2.4835G	-46.81	2.48636G	-43.61	21.97972G	-48.59	1
2462MHz	Pass	2.43799G	16.58	-13.42	2.30554G	-49.66	2.39592G	-46.98	2.4835G	-47.68	2.487G	-44.39	21.68191G	-47.86	2
2462MHz	Pass	2.43799G	16.58	-13.42	2.30408G	-50.33	2.3989G	-46.05	2.4835G	-47.21	2.48354G	-44.28	21.64819G	-47.74	3
2462MHz	Pass	2.43799G	16.58	-13.42	2.30262G	-48.95	2.39702G	-46.31	2.4835G	-48.36	2.48506G	-43.84	21.99939G	-49.16	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	12.76	-17.24	2.30728G	-51.58	2.39762G	-33.86	2.4G	-35.62	2.4846G	-48.49	21.99658G	-48.88	1
2412MHz	Pass	2.44196G	12.76	-17.24	2.30758G	-50.16	2.39702G	-34.46	2.4G	-34.79	2.48964G	-47.88	21.72967G	-48.35	2
2412MHz	Pass	2.44196G	12.76	-17.24	2.30758G	-49.88	2.39724G	-34.28	2.4G	-35.64	2.48468G	-49.32	21.49648G	-48.93	3
2412MHz	Pass	2.44196G	12.76	-17.24	2.30991G	-49.83	2.397G	-31.57	2.4G	-34.62	2.48666G	-49.12	21.84486G	-48.71	4
2437MHz	Pass	2.44196G	12.76	-17.24	2.30466G	-51.44	2.39898G	-43.06	2.4G	-47.03	2.4846G	-46.42	23.16536G	-48.16	1
2437MHz	Pass	2.44196G	12.76	-17.24	2.30146G	-48.69	2.3987G	-43.72	2.4G	-47.51	2.4874G	-45.23	21.95162G	-48.77	2
2437MHz	Pass	2.44196G	12.76	-17.24	2.30699G	-49.36	2.39052G	-44.80	2.4G	-46.57	2.48932G	-46.25	21.92915G	-49.40	3
2437MHz	Pass	2.44196G	12.76	-17.24	2.30583G	-49.19	2.39954G	-43.16	2.4G	-44.58	2.48932G	-46.05	21.87015G	-48.62	4
2462MHz	Pass	2.44196G	12.76	-17.24	2.30903G	-51.52	2.39502G	-47.09	2.4835G	-46.33	2.48648G	-43.78	21.71281G	-49.00	1
2462MHz	Pass	2.44196G	12.76	-17.24	2.30758G	-51.44	2.39956G	-47.52	2.4835G	-45.55	2.4893G	-44.50	23.28336G	-48.73	2
2462MHz	Pass	2.44196G	12.76	-17.24	2.30379G	-51.30	2.39682G	-47.45	2.4835G	-47.07	2.48786G	-44.50	21.66505G	-49.45	3
2462MHz	Pass	2.44196G	12.76	-17.24	2.30204G	-50.82	2.39032G	-46.82	2.4835G	-45.79	2.48358G	-44.38	21.90386G	-48.02	4

802.11b_Nss1,(1Mbps)_4TX

CSENdB

2412MHz

22/09/2022

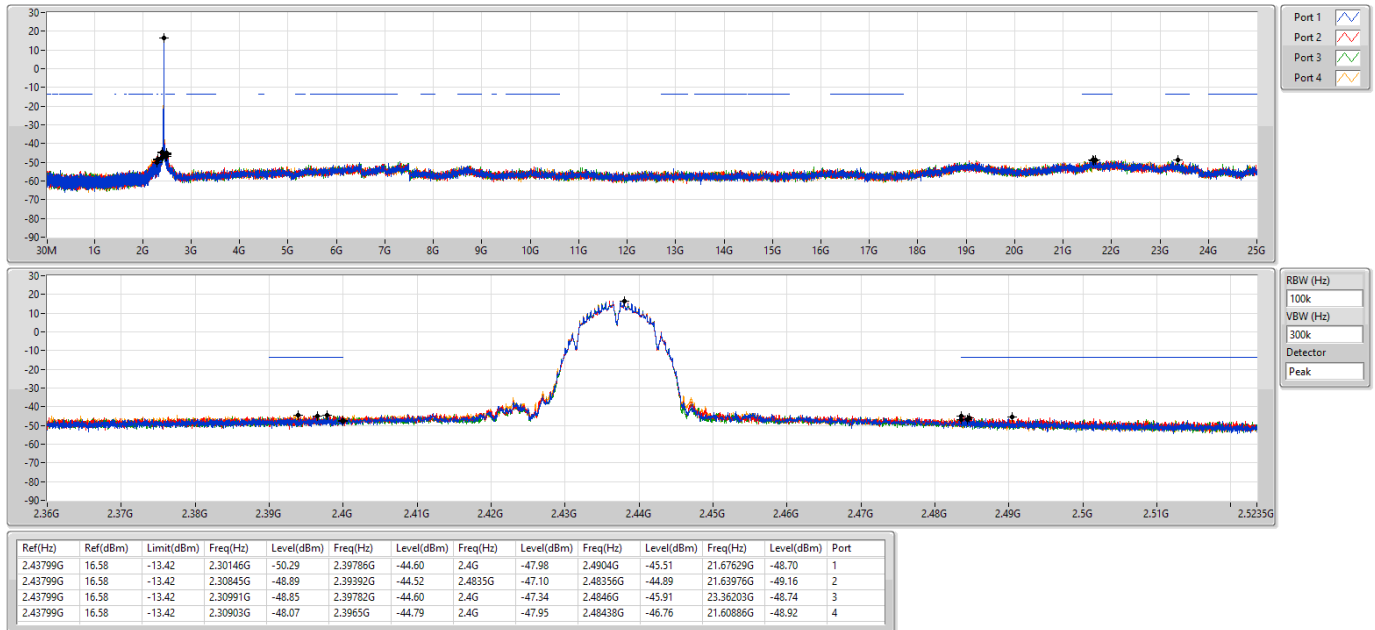


802.11b_Nss1,(1Mbps)_4TX

CSENdB

2437MHz

22/09/2022

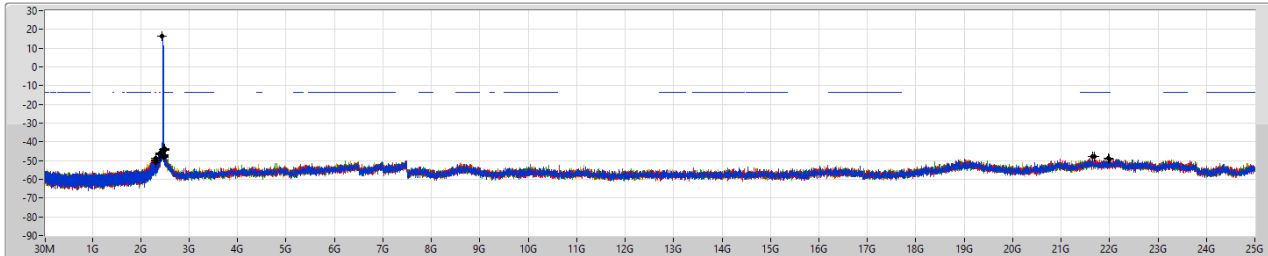


802.11b_Nss1,(1Mbps)_4TX

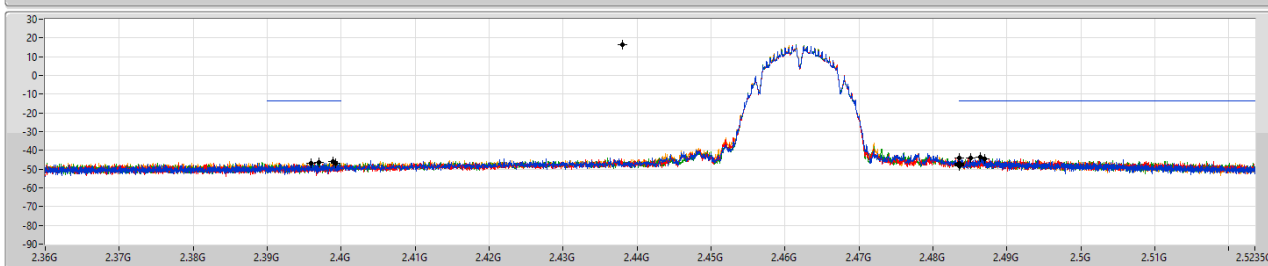
2462MHz

CSENdB

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

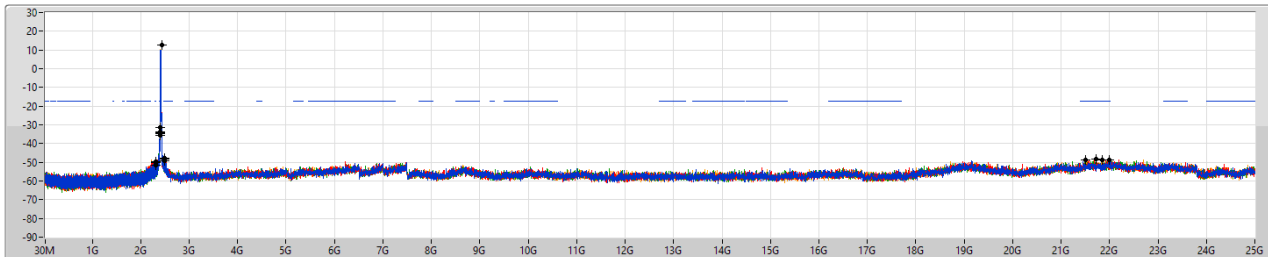
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43799G	16.58	-13.42	2.30961G	-50.94	2.3993G	-46.67	2.4835G	-46.81	2.48636G	-43.61	21.97972G	-48.59	1
2.43799G	16.58	-13.42	2.30554G	-49.66	2.39592G	-46.98	2.4835G	-47.68	2.487G	-44.39	21.88191G	-47.86	2
2.43799G	16.58	-13.42	2.30408G	-50.33	2.3989G	-46.05	2.4835G	-47.21	2.48354G	-44.28	21.64819G	-47.74	3
2.43799G	16.58	-13.42	2.30262G	-48.95	2.39702G	-46.31	2.4835G	-48.36	2.48506G	-43.84	21.99939G	-49.16	4

802.11g_Nss1,(6Mbps)_4TX

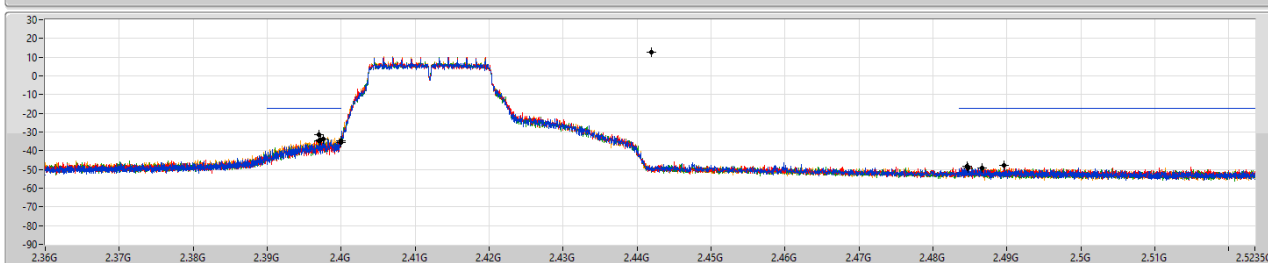
2412MHz

CSENdB

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

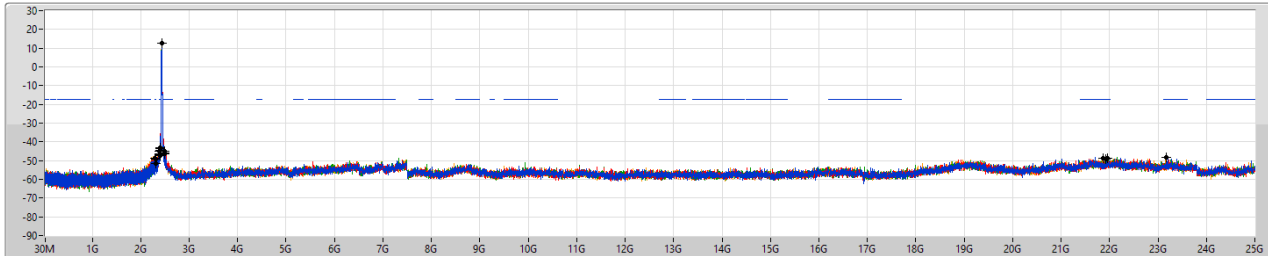
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	12.76	-17.24	2.30728G	-51.58	2.39762G	-33.86	2.4G	-35.62	2.4846G	-48.49	21.9958G	-48.88	1
2.44196G	12.76	-17.24	2.30758G	-50.16	2.39702G	-34.46	2.4G	-34.79	2.48964G	-47.88	21.72967G	-48.35	2
2.44196G	12.76	-17.24	2.30758G	-49.88	2.39724G	-34.28	2.4G	-35.64	2.48468G	-49.32	21.49648G	-48.93	3
2.44196G	12.76	-17.24	2.30991G	-49.83	2.397G	-31.57	2.4G	-34.62	2.48666G	-49.12	21.84486G	-48.71	4

802.11g_Nss1,(6Mbps)_4TX

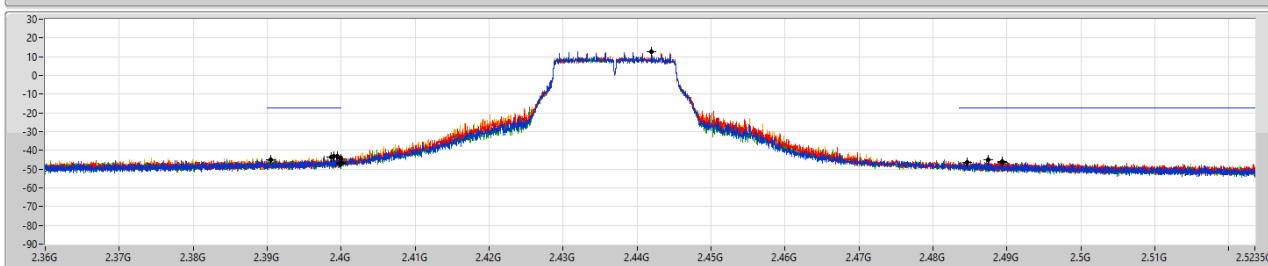
CSENdB

2437MHz

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

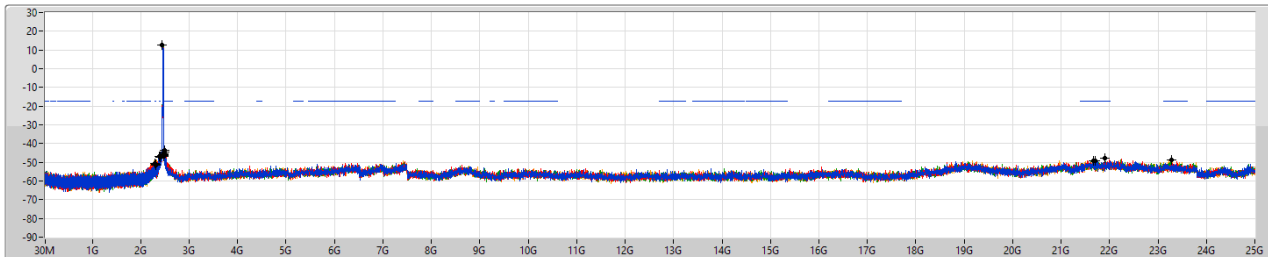
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	12.76	-17.24	2.30466G	-51.44	2.39898G	-43.06	2.4G	-47.03	2.4846G	-46.42	23.16336G	-48.16	1
2.44196G	12.76	-17.24	2.30146G	-48.69	2.3987G	-43.72	2.4G	-47.51	2.4874G	-45.23	21.95162G	-48.77	2
2.44196G	12.76	-17.24	2.30699G	-49.36	2.39052G	-44.80	2.4G	-46.57	2.48932G	-46.25	21.92915G	-49.40	3
2.44196G	12.76	-17.24	2.30583G	-49.19	2.39954G	-43.16	2.4G	-44.58	2.48932G	-46.05	21.87015G	-48.62	4

802.11g_Nss1,(6Mbps)_4TX

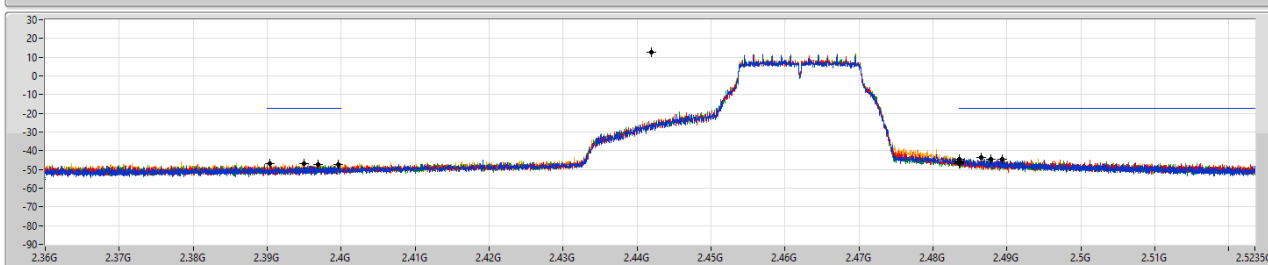
CSENdB

2462MHz

22/09/2022



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	12.76	-17.24	2.30903G	-51.52	2.39502G	-47.09	2.4835G	-46.33	2.48648G	-43.78	21.71281G	-49.00	1
2.44196G	12.76	-17.24	2.30758G	-51.44	2.39956G	-47.52	2.4835G	-45.55	2.4893G	-44.50	23.28336G	-48.73	2
2.44196G	12.76	-17.24	2.30379G	-51.30	2.39682G	-47.45	2.4835G	-47.07	2.48786G	-44.50	21.66905G	-49.45	3
2.44196G	12.76	-17.24	2.30204G	-50.82	2.39032G	-46.82	2.4835G	-45.79	2.48358G	-44.38	21.90386G	-48.02	4

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	12.15	-17.85	2.19952G	-53.69	2.4G	-36.51	2.4G	-35.58	2.50134G	-50.37	21.63976G	-48.35	1
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.45578G	7.12	-22.88	2.30311G	-51.68	2.39976G	-33.55	2.4G	-30.82	2.48974G	-50.48	21.5588G	-48.64	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
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	12.15	-17.85	2.19952G	-53.69	2.4G	-36.51	2.4G	-35.58	2.50134G	-50.37	21.63976G	-48.35	1
2412MHz	Pass	2.43198G	12.15	-17.85	2.30437G	-51.64	2.39996G	-37.33	2.4G	-35.90	2.48702G	-49.92	21.71843G	-48.74	2
2412MHz	Pass	2.43198G	12.15	-17.85	2.30495G	-52.93	2.39994G	-37.54	2.4G	-37.14	2.4959G	-50.66	21.58357G	-49.14	3
2412MHz	Pass	2.43198G	12.15	-17.85	2.30495G	-50.71	2.3999G	-37.22	2.4G	-38.08	2.49426G	-50.20	21.49367G	-49.14	4
2437MHz	Pass	2.43198G	12.15	-17.85	2.30408G	-50.54	2.39858G	-43.74	2.4G	-45.42	2.49356G	-45.75	21.54424G	-49.81	1
2437MHz	Pass	2.43198G	12.15	-17.85	2.30437G	-49.63	2.39892G	-41.91	2.4G	-46.15	2.48526G	-45.55	21.64257G	-47.65	2
2437MHz	Pass	2.43198G	12.15	-17.85	2.30612G	-50.43	2.39956G	-42.56	2.4G	-45.58	2.48392G	-46.76	21.82519G	-49.17	3
2437MHz	Pass	2.43198G	12.15	-17.85	2.30961G	-49.46	2.39734G	-41.81	2.4G	-44.92	2.48906G	-46.33	21.72124G	-48.53	4
2462MHz	Pass	2.43198G	12.15	-17.85	2.30845G	-52.78	2.39622G	-47.40	2.4835G	-44.71	2.4845G	-44.28	21.57795G	-48.81	1
2462MHz	Pass	2.43198G	12.15	-17.85	2.30262G	-51.22	2.39584G	-48.34	2.4835G	-48.55	2.48784G	-46.06	21.65381G	-48.44	2
2462MHz	Pass	2.43198G	12.15	-17.85	2.3G	-51.04	2.39122G	-48.39	2.4835G	-49.29	2.48974G	-45.87	21.769G	-48.10	3
2462MHz	Pass	2.43198G	12.15	-17.85	2.30379G	-50.69	2.39182G	-47.45	2.4835G	-47.98	2.48552G	-43.55	21.53581G	-48.93	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45578G	7.12	-22.88	2.30941G	-52.55	2.39964G	-31.71	2.4G	-31.87	2.48434G	-49.83	21.69342G	-48.64	1
2422MHz	Pass	2.45578G	7.12	-22.88	2.30197G	-52.54	2.39988G	-32.86	2.4G	-32.03	2.48402G	-50.35	23.26958G	-48.07	2
2422MHz	Pass	2.45578G	7.12	-22.88	2.30311G	-51.68	2.39976G	-33.55	2.4G	-30.82	2.48974G	-50.48	21.5588G	-48.64	3
2422MHz	Pass	2.45578G	7.12	-22.88	2.30111G	-52.41	2.39996G	-30.99	2.4G	-32.07	2.48486G	-50.20	21.57563G	-49.65	4
2437MHz	Pass	2.45578G	7.12	-22.88	2.30368G	-52.71	2.399G	-38.83	2.4G	-40.55	2.48634G	-43.78	21.69623G	-49.41	1
2437MHz	Pass	2.45578G	7.12	-22.88	2.30483G	-50.75	2.39956G	-35.67	2.4G	-40.48	2.48538G	-46.46	21.60367G	-48.64	2
2437MHz	Pass	2.45578G	7.12	-22.88	2.30855G	-51.31	2.39952G	-38.86	2.4G	-41.28	2.48414G	-45.47	21.56722G	-48.78	3
2437MHz	Pass	2.45578G	7.12	-22.88	2.30454G	-52.40	2.39848G	-36.65	2.4G	-38.75	2.4837G	-47.46	21.75232G	-49.05	4
2452MHz	Pass	2.45578G	7.12	-22.88	2.30626G	-51.29	2.3958G	-34.59	2.4G	-35.52	2.4883G	-41.95	21.97107G	-48.98	1
2452MHz	Pass	2.45578G	7.12	-22.88	2.30254G	-49.26	2.39972G	-34.15	2.4G	-35.42	2.48794G	-44.18	22.00753G	-48.33	2
2452MHz	Pass	2.45578G	7.12	-22.88	2.30054G	-49.28	2.39956G	-31.92	2.4G	-35.55	2.49174G	-43.64	21.51954G	-49.69	3
2452MHz	Pass	2.45578G	7.12	-22.88	2.30426G	-50.30	2.39996G	-33.64	2.4G	-34.24	2.4845G	-42.61	21.65977G	-48.61	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz

CSENdB

22/09/2022

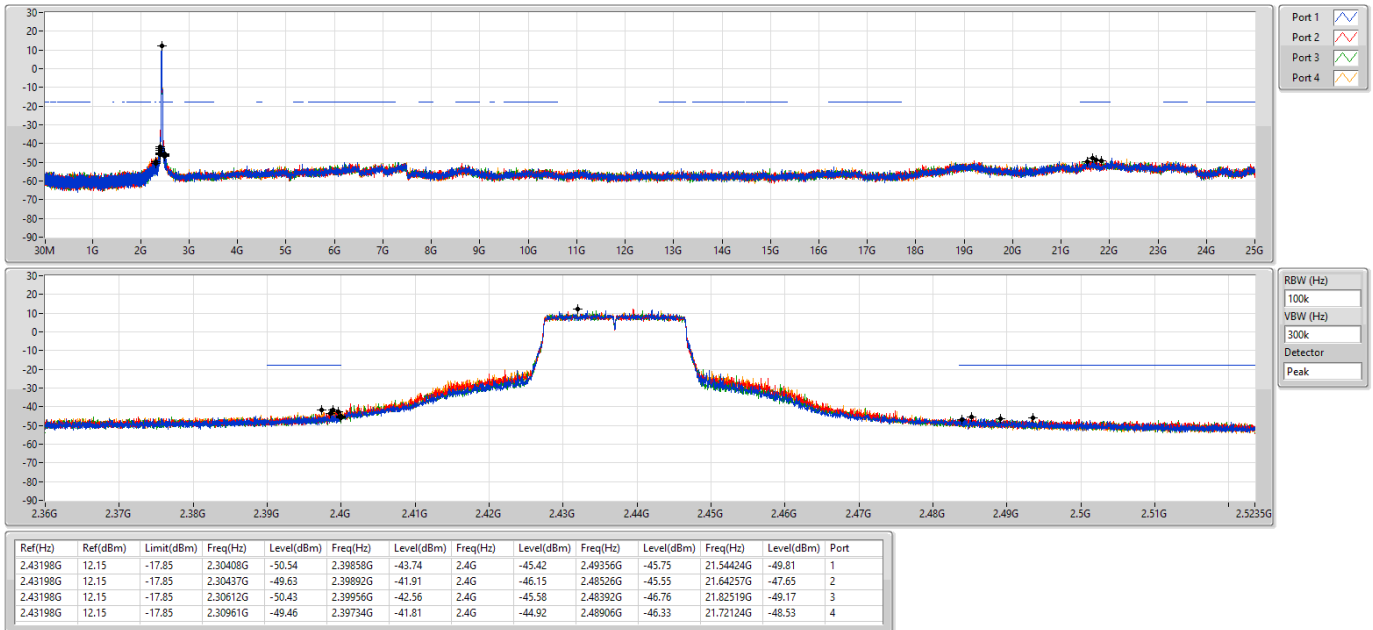


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz

CSENdB

22/09/2022

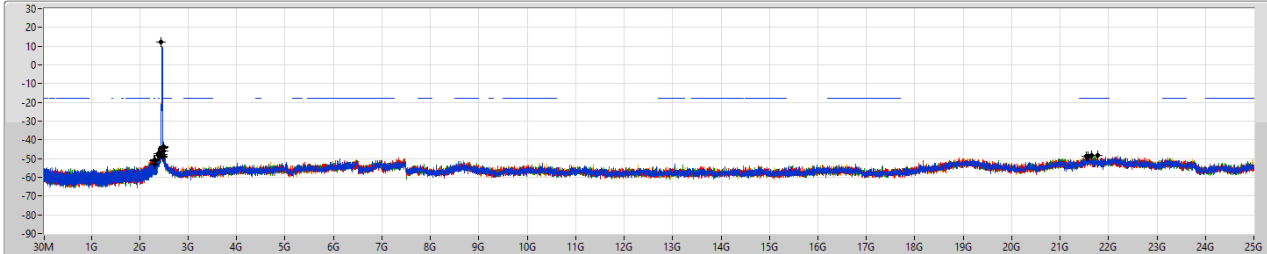


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

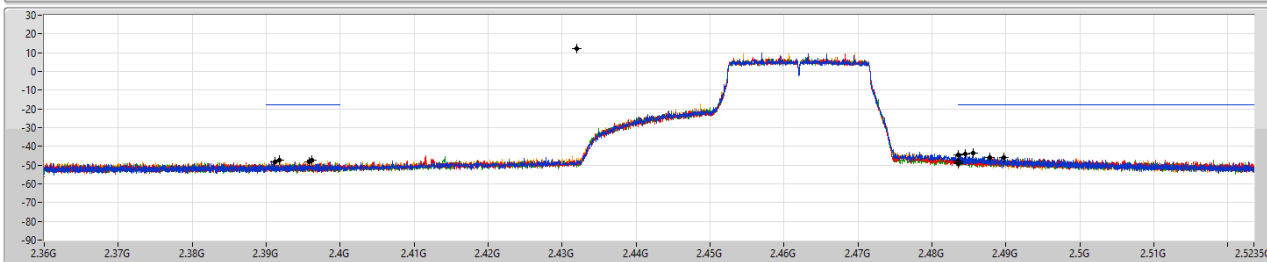
CSEndB

2462MHz

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

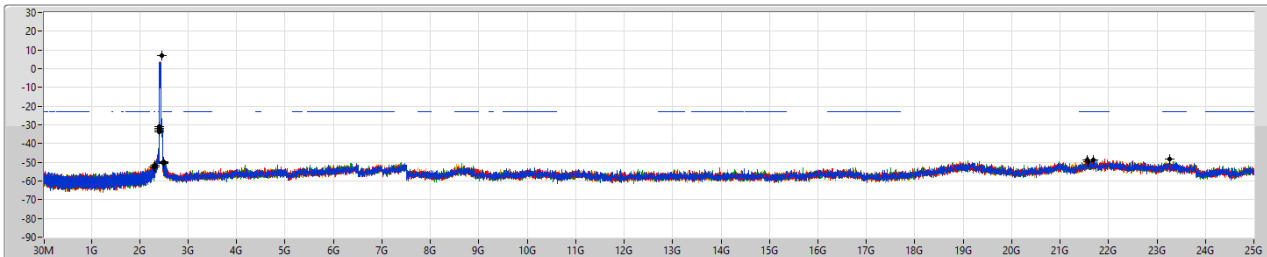
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.15	-17.85	2.30845G	-52.78	2.39622G	-47.40	2.4835G	-44.71	2.4845G	-44.28	21.57795G	-48.81	1
2.43198G	12.15	-17.85	2.30262G	-51.22	2.39584G	-48.34	2.4835G	-48.55	2.48784G	-46.06	21.65381G	-48.44	2
2.43198G	12.15	-17.85	2.3G	-51.04	2.39122G	-48.39	2.4835G	-49.29	2.48974G	-45.87	21.769G	-48.10	3
2.43198G	12.15	-17.85	2.30379G	-50.69	2.39182G	-47.45	2.4835G	-47.98	2.48552G	-43.55	21.53581G	-48.93	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

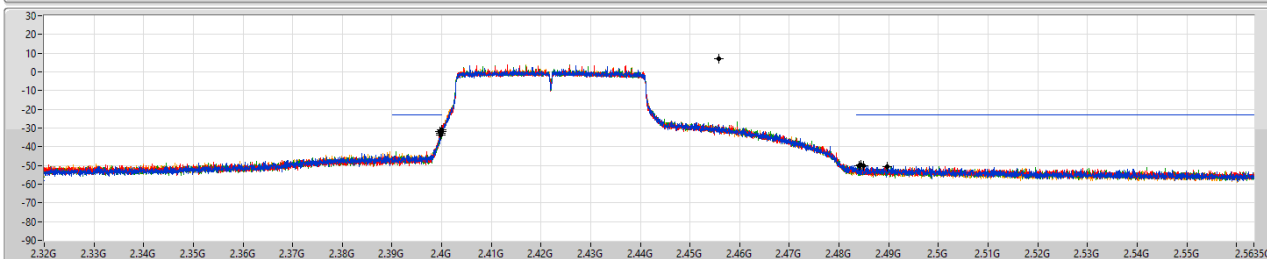
CSEndB

2422MHz

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

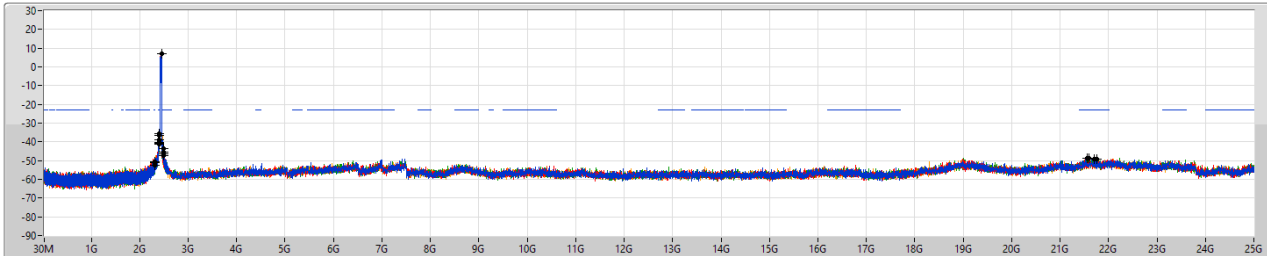
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45578G	7.12	-22.88	2.30941G	-52.55	2.39964G	-31.71	2.4G	-31.87	2.48434G	-49.83	21.69342G	-48.64	1
2.45578G	7.12	-22.88	2.30197G	-52.54	2.39988G	-32.86	2.4G	-32.03	2.48403G	-50.35	23.26958G	-48.07	2
2.45578G	7.12	-22.88	2.30311G	-51.68	2.39976G	-33.55	2.4G	-30.82	2.48974G	-50.48	21.5588G	-48.64	3
2.45578G	7.12	-22.88	2.30111G	-52.41	2.39996G	-30.99	2.4G	-32.07	2.48486G	-50.20	21.57563G	-49.65	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

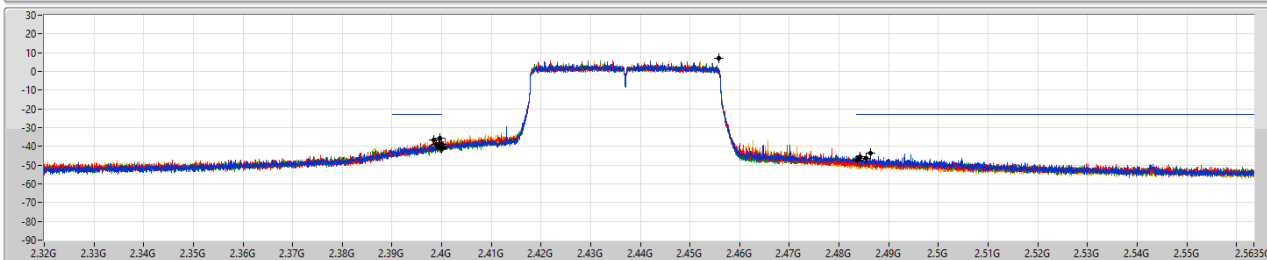
CSENdB

2437MHz

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

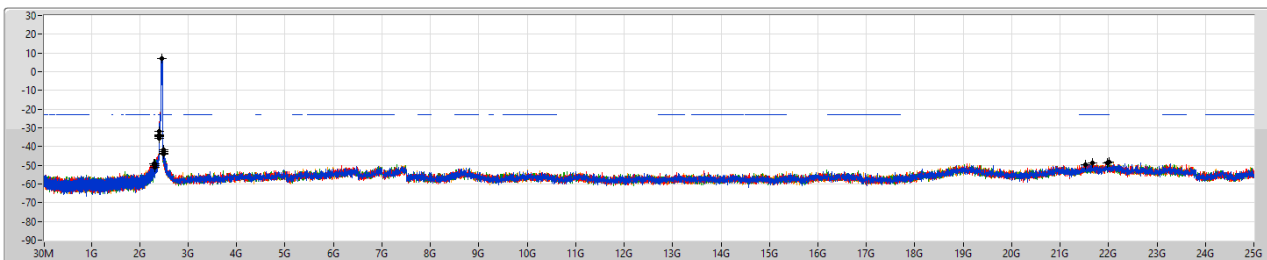
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45578G	7.12	-22.88	2.30368G	-52.71	2.399G	-38.83	2.4G	-40.55	2.48634G	-43.78	21.69623G	-49.41	1
2.45578G	7.12	-22.88	2.30483G	-50.75	2.39956G	-35.67	2.4G	-40.48	2.48538G	-46.46	21.60367G	-48.64	2
2.45578G	7.12	-22.88	2.30855G	-51.31	2.39952G	-38.86	2.4G	-41.28	2.48414G	-45.47	21.56722G	-48.78	3
2.45578G	7.12	-22.88	2.30454G	-52.40	2.39848G	-36.65	2.4G	-38.75	2.4837G	-47.46	21.75232G	-49.05	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

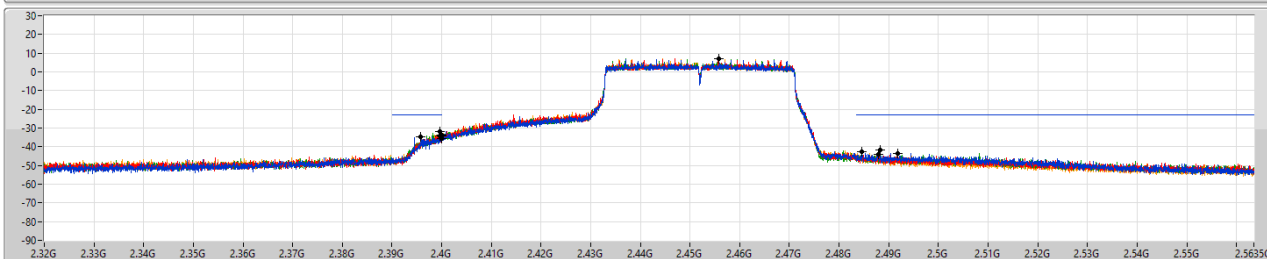
CSENdB

2452MHz

22/09/2022



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
2.45578G	7.12	-22.88	2.30626G	-51.29	2.3958G	-34.59	2.4G	-35.52	2.4803G	-41.95	21.97107G	-48.98	1
2.45578G	7.12	-22.88	2.30254G	-49.26	2.39972G	-34.15	2.4G	-35.42	2.48794G	-44.18	22.00793G	-48.33	2
2.45578G	7.12	-22.88	2.30054G	-49.28	2.39956G	-31.92	2.4G	-35.55	2.49174G	-43.64	21.51954G	-49.69	3
2.45578G	7.12	-22.88	2.30426G	-50.30	2.39996G	-33.64	2.4G	-34.24	2.4845G	-42.61	21.65977G	-48.61	4

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_Nss2,(MCS0)_4TX	Pass	2.43073G	12.47	-17.53	2.19166G	-52.72	2.4G	-34.21	2.4G	-35.75	2.50194G	-50.04	21.59762G	-49.50	2
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	Pass	2.44325G	7.99	-22.01	2.30912G	-48.74	2.39948G	-29.59	2.4G	-33.48	2.48814G	-41.68	21.66257G	-49.08	4

Result

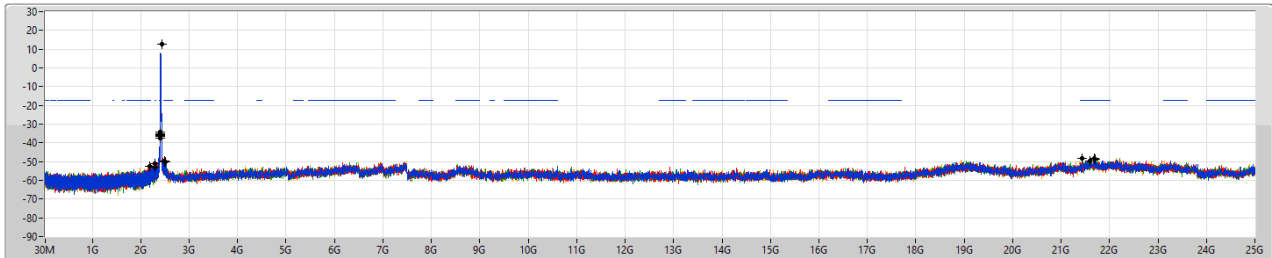
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	12.47	-17.53	2.30059G	-51.25	2.39988G	-37.59	2.4G	-36.15	2.48964G	-49.77	21.68753G	-48.39	1
2412MHz	Pass	2.43073G	12.47	-17.53	2.19166G	-52.72	2.4G	-34.21	2.4G	-35.75	2.50194G	-50.04	21.59762G	-49.50	2
2412MHz	Pass	2.43073G	12.47	-17.53	2.3G	-52.85	2.4G	-36.71	2.4G	-34.93	2.4945G	-50.14	21.44028G	-48.32	3
2412MHz	Pass	2.43073G	12.47	-17.53	2.30117G	-52.89	2.39996G	-34.33	2.4G	-34.94	2.48436G	-50.35	21.70157G	-48.70	4
2437MHz	Pass	2.43073G	12.47	-17.53	2.30029G	-50.69	2.39844G	-43.22	2.4G	-45.14	2.48636G	-45.38	21.60043G	-49.56	1
2437MHz	Pass	2.43073G	12.47	-17.53	2.30466G	-49.14	2.39764G	-41.90	2.4G	-46.77	2.48672G	-45.93	21.62572G	-48.65	2
2437MHz	Pass	2.43073G	12.47	-17.53	2.30059G	-49.90	2.39996G	-41.90	2.4G	-46.62	2.484G	-45.93	21.651G	-49.46	3
2437MHz	Pass	2.43073G	12.47	-17.53	2.30554G	-48.50	2.39938G	-40.07	2.4G	-45.23	2.49366G	-45.77	21.60324G	-48.30	4
2462MHz	Pass	2.43073G	12.47	-17.53	2.30408G	-52.29	2.39256G	-46.31	2.4835G	-47.58	2.4879G	-43.00	21.62853G	-48.84	1
2462MHz	Pass	2.43073G	12.47	-17.53	2.30408G	-50.22	2.39444G	-46.63	2.4835G	-45.14	2.48408G	-43.34	23.18502G	-49.39	2
2462MHz	Pass	2.43073G	12.47	-17.53	2.30932G	-50.32	2.39784G	-47.06	2.4835G	-46.74	2.48638G	-44.53	21.54705G	-48.86	3
2462MHz	Pass	2.43073G	12.47	-17.53	2.30292G	-48.75	2.39082G	-47.20	2.4835G	-43.34	2.48398G	-42.49	21.72405G	-49.77	4
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44325G	7.99	-22.01	2.30998G	-51.72	2.39988G	-31.88	2.4G	-32.57	2.48774G	-49.67	21.97388G	-48.92	1
2422MHz	Pass	2.44325G	7.99	-22.01	2.30483G	-51.02	2.39992G	-31.43	2.4G	-31.72	2.49658G	-49.44	21.6177G	-47.72	2
2422MHz	Pass	2.44325G	7.99	-22.01	2.0014G	-52.43	2.4G	-32.80	2.4G	-30.39	2.48754G	-50.48	21.65977G	-49.37	3
2422MHz	Pass	2.44325G	7.99	-22.01	2.30798G	-50.29	2.39984G	-31.48	2.4G	-32.43	2.50026G	-50.20	21.58965G	-48.60	4
2437MHz	Pass	2.44325G	7.99	-22.01	2.30826G	-50.89	2.39952G	-35.74	2.4G	-40.45	2.49446G	-41.80	21.48027G	-49.43	1
2437MHz	Pass	2.44325G	7.99	-22.01	2.30139G	-49.41	2.39948G	-36.61	2.4G	-39.35	2.48778G	-43.96	21.88694G	-49.01	2
2437MHz	Pass	2.44325G	7.99	-22.01	2.30197G	-51.28	2.39948G	-37.55	2.4G	-39.21	2.48438G	-43.50	21.9851G	-48.14	3
2437MHz	Pass	2.44325G	7.99	-22.01	2.30683G	-50.99	2.39924G	-34.04	2.4G	-38.55	2.4845G	-44.03	21.81682G	-49.31	4
2452MHz	Pass	2.44325G	7.99	-22.01	2.30683G	-50.86	2.39948G	-33.22	2.4G	-36.09	2.50946G	-41.19	21.70744G	-48.42	1
2452MHz	Pass	2.44325G	7.99	-22.01	2.30483G	-48.91	2.39452G	-33.21	2.4G	-34.23	2.48974G	-42.58	21.66538G	-48.79	2
2452MHz	Pass	2.44325G	7.99	-22.01	2.30311G	-49.39	2.39956G	-31.62	2.4G	-34.27	2.48822G	-41.97	21.90657G	-49.36	3
2452MHz	Pass	2.44325G	7.99	-22.01	2.30912G	-48.74	2.39948G	-29.59	2.4G	-33.48	2.48814G	-41.68	21.66257G	-49.08	4

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

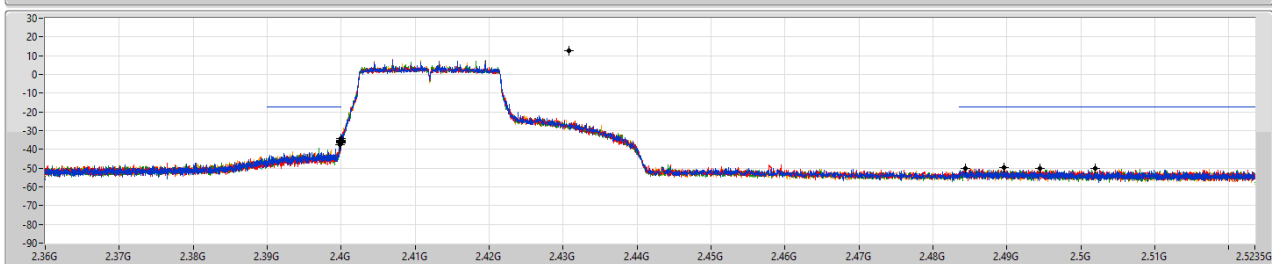
2412MHz

CSEndB

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

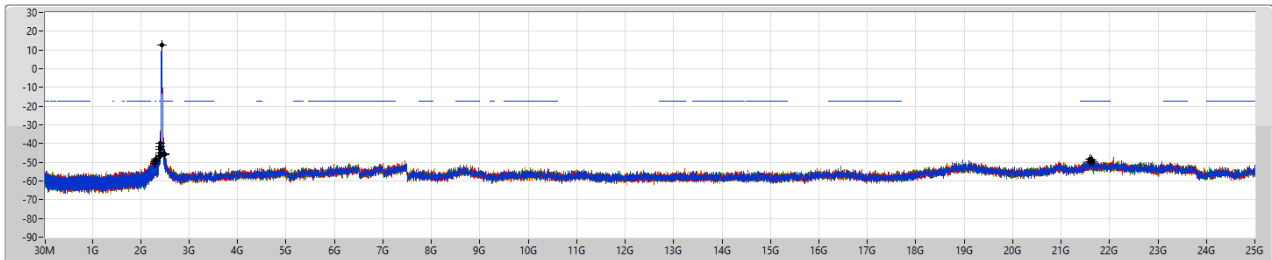
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.47	-17.53	2.30059G	-51.25	2.39988G	-37.59	2.4G	-36.15	2.48964G	-49.77	21.68753G	-48.39	1
2.43073G	12.47	-17.53	2.19166G	-52.72	2.4G	-34.21	2.4G	-35.75	2.50194G	-50.04	21.59762G	-49.50	2
2.43073G	12.47	-17.53	2.3G	-52.85	2.4G	-36.71	2.4G	-34.93	2.4945G	-50.14	21.44028G	-48.32	3
2.43073G	12.47	-17.53	2.30117G	-52.89	2.39996G	-34.33	2.4G	-34.94	2.48436G	-50.35	21.70157G	-48.70	4

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

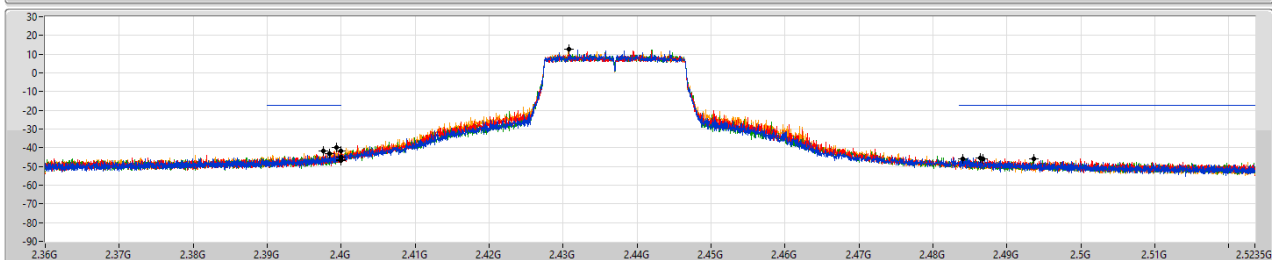
2437MHz

CSEndB

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

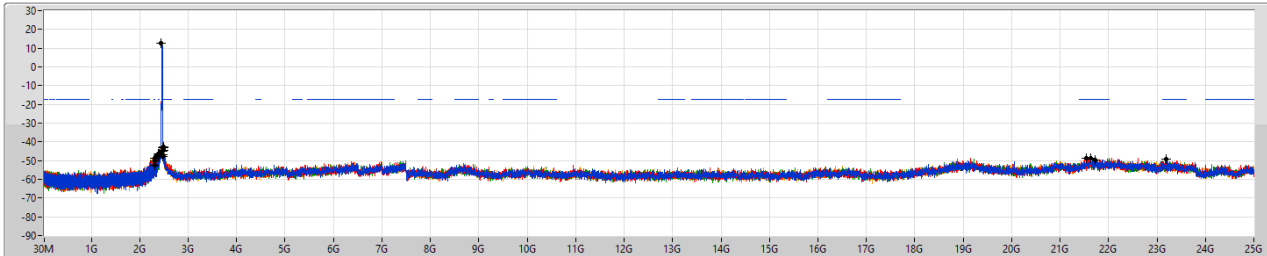
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.47	-17.53	2.30029G	-50.69	2.39844G	-43.22	2.4G	-45.14	2.48636G	-45.38	21.60043G	-49.56	1
2.43073G	12.47	-17.53	2.30466G	-49.14	2.39764G	-41.90	2.4G	-46.77	2.48672G	-45.93	21.62572G	-48.65	2
2.43073G	12.47	-17.53	2.30059G	-49.90	2.39996G	-41.90	2.4G	-46.62	2.484G	-45.93	21.651G	-49.46	3
2.43073G	12.47	-17.53	2.3054G	-48.50	2.39938G	-40.07	2.4G	-45.23	2.49366G	-45.77	21.60324G	-48.30	4

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

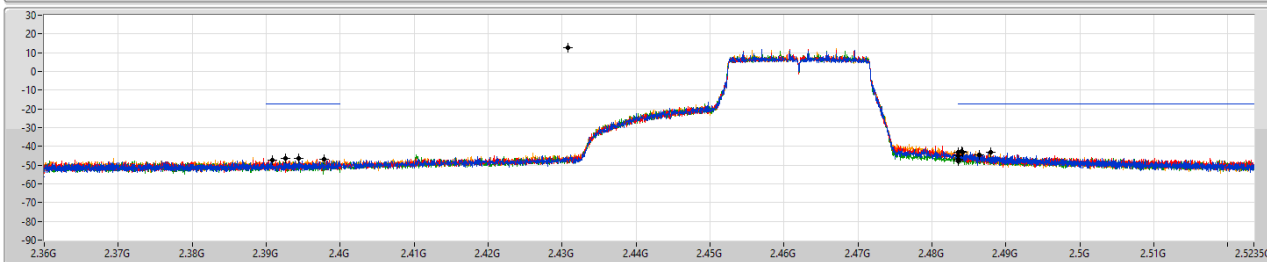
CSENdB

2462MHz

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

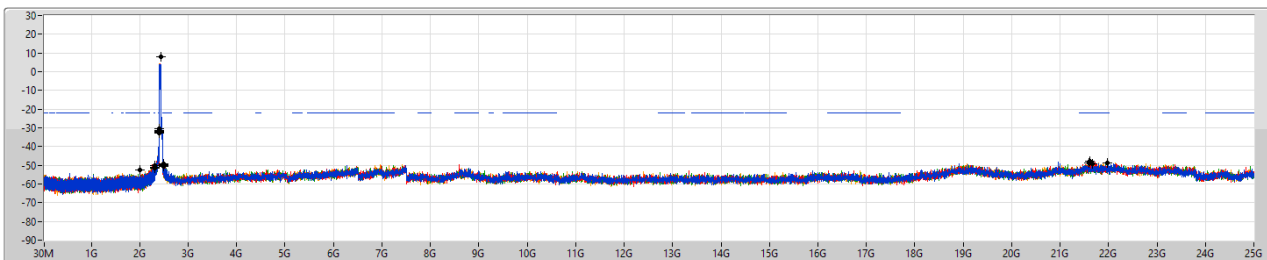
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.47	-17.53	2.30408G	-52.29	2.39256G	-46.31	2.4835G	-47.58	2.4879G	-43.00	21.62853G	-48.84	1
2.43073G	12.47	-17.53	2.30408G	-50.22	2.39444G	-46.63	2.4835G	-45.14	2.48408G	-43.34	23.18502G	-49.39	2
2.43073G	12.47	-17.53	2.30952G	-50.32	2.39784G	-47.06	2.4835G	-46.74	2.48638G	-44.53	21.54705G	-48.86	3
2.43073G	12.47	-17.53	2.30292G	-48.75	2.39082G	-47.20	2.4835G	-43.34	2.48398G	-42.49	21.72405G	-49.77	4

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

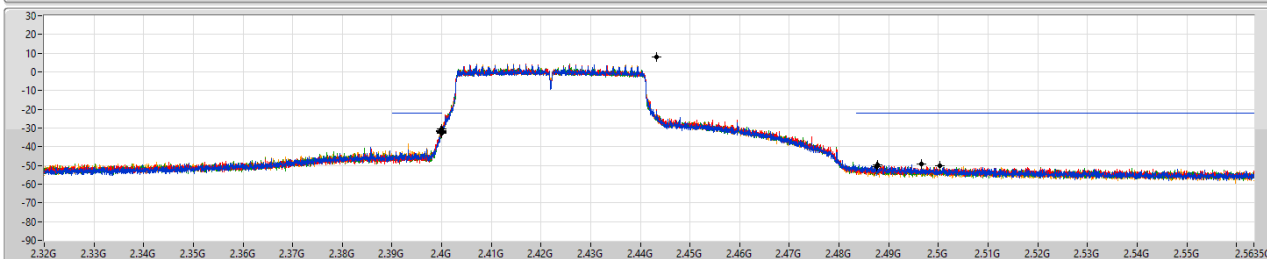
CSENdB

2422MHz

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

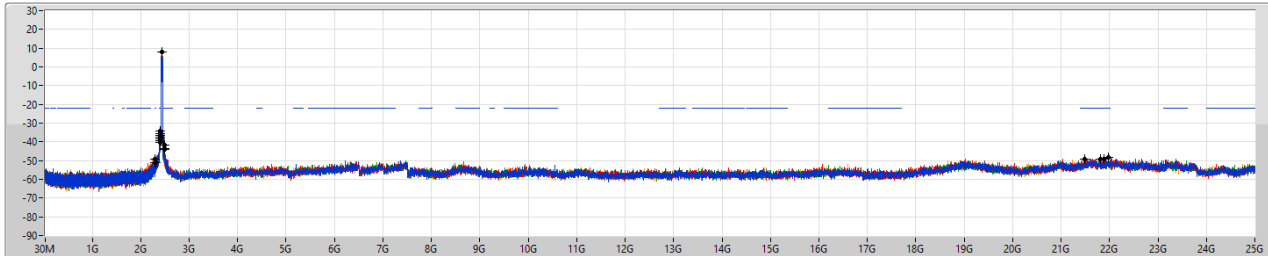
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44325G	7.99	-22.01	2.30998G	-51.72	2.39988G	-31.88	2.4G	-32.57	2.48774G	-49.67	21.97388G	-48.92	1
2.44325G	7.99	-22.01	2.30463G	-51.02	2.39992G	-31.43	2.4G	-31.72	2.48658G	-49.44	21.6177G	-47.72	2
2.44325G	7.99	-22.01	2.0014G	-52.43	2.4G	-32.80	2.4G	-30.39	2.48754G	-50.48	21.6977G	-49.37	3
2.44325G	7.99	-22.01	2.30798G	-50.29	2.39984G	-31.48	2.4G	-32.43	2.50026G	-50.20	21.58965G	-48.60	4

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

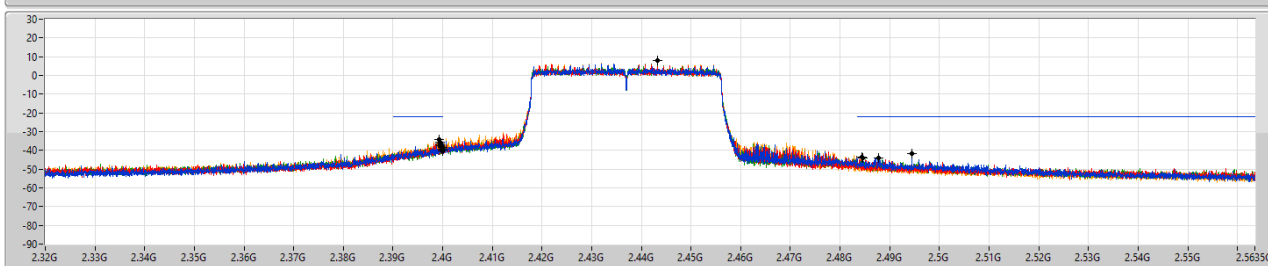
CSENdB

2437MHz

22/09/2022



Port 1
Port 2
Port 3
Port 4



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

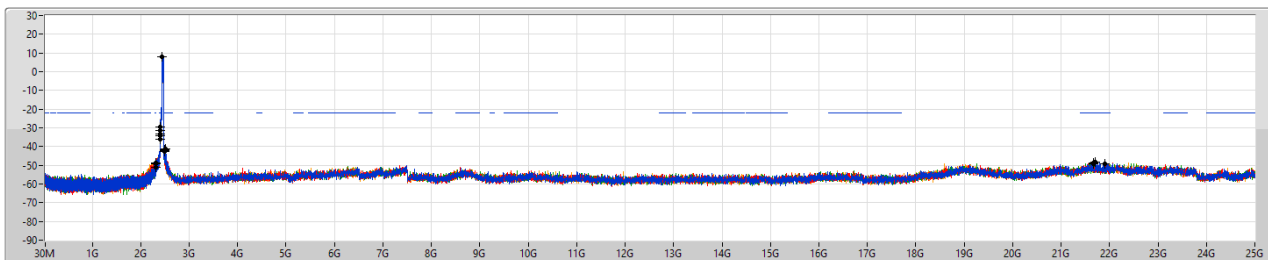
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44325G	7.99	-22.01	2.30826G	-50.89	2.39952G	-35.74	2.4G	-40.45	2.49446G	-41.80	21.48027G	-49.43	1
2.44325G	7.99	-22.01	2.30139G	-49.41	2.39948G	-36.61	2.4G	-39.35	2.48778G	-43.96	21.88694G	-49.01	2
2.44325G	7.99	-22.01	2.30197G	-51.28	2.39948G	-37.55	2.4G	-39.21	2.48438G	-43.50	21.9851G	-48.14	3
2.44325G	7.99	-22.01	2.30683G	-50.99	2.39924G	-34.04	2.4G	-38.55	2.4845G	-44.03	21.81682G	-49.31	4

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

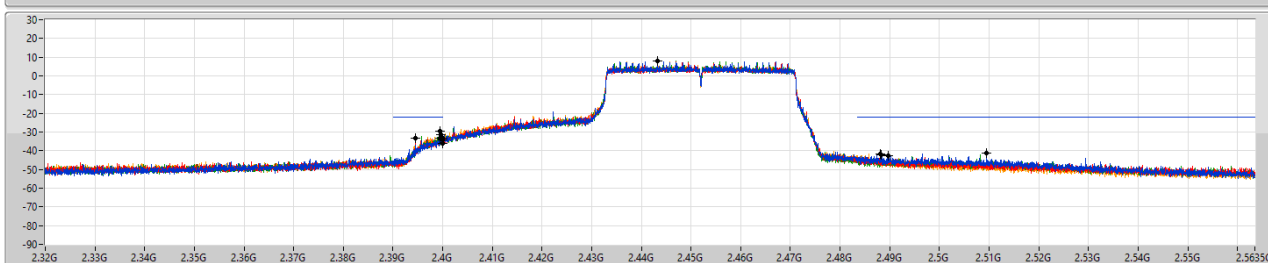
CSENdB

2452MHz

22/09/2022



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
2.44325G	7.99	-22.01	2.30683G	-50.86	2.39948G	-33.22	2.4G	-36.09	2.50946G	-41.19	21.70744G	-48.42	1
2.44325G	7.99	-22.01	2.30483G	-48.91	2.39453G	-33.21	2.4G	-34.23	2.48974G	-42.58	21.66538G	-48.79	2
2.44325G	7.99	-22.01	2.30311G	-49.39	2.39956G	-31.62	2.4G	-34.27	2.48823G	-41.97	21.90657G	-49.36	3
2.44325G	7.99	-22.01	2.30912G	-48.74	2.39948G	-29.59	2.4G	-33.48	2.48814G	-41.68	21.66257G	-49.08	4



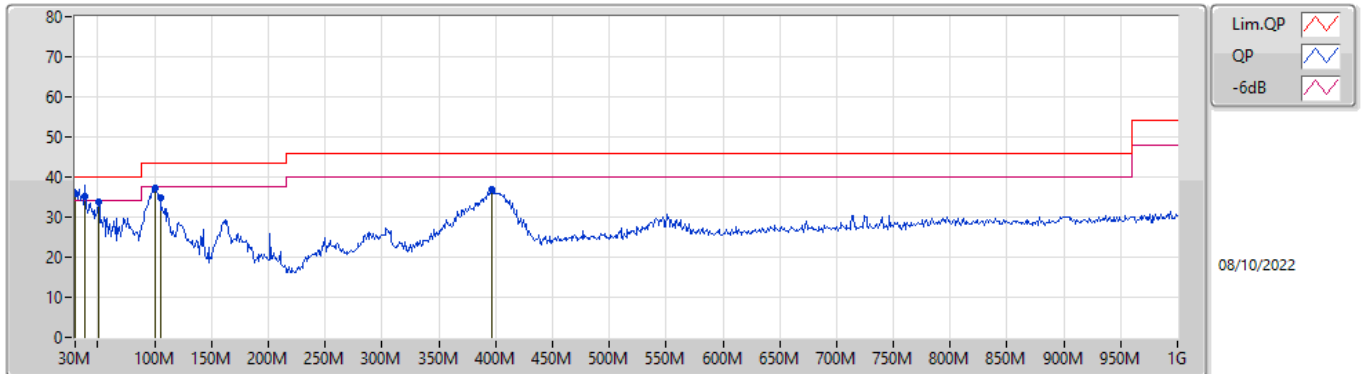
Radiated Emissions below 1GHz

Appendix F.1

Summary

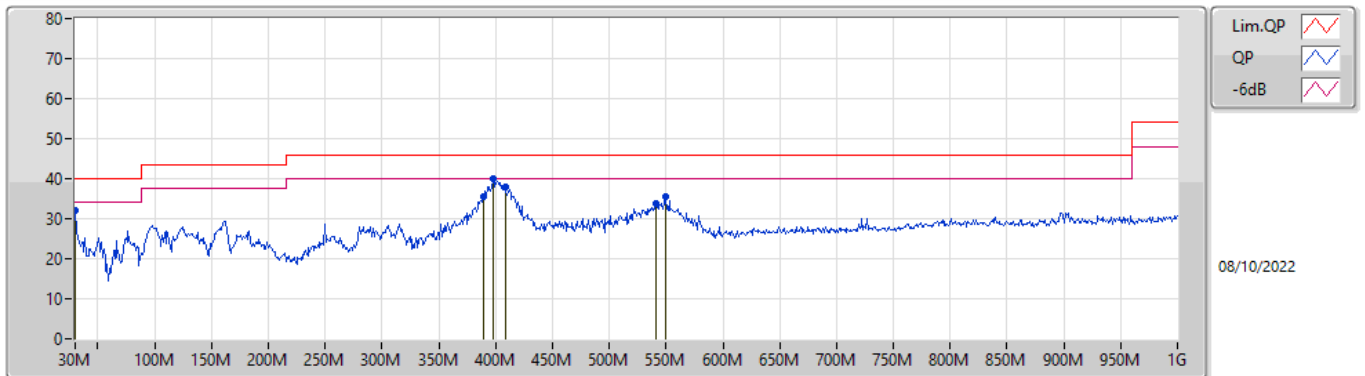
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	30M	35.74	40.00	-4.26	Vertical

Mode 2



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)
QP	30M	35.74	40.00	-4.26	-7.12	3	Vertical	184	1.00	"Worst"	42.86	23.99	0.44	31.55
QP	38.73M	35.12	40.00	-4.88	-11.84	3	Vertical	281	1.00	"	46.96	19.35	0.54	31.73
PK	50.37M	33.79	40.00	-6.21	-17.27	3	Vertical	360	1.25	-	51.06	13.92	0.67	31.86
PK	99.84M	37.40	43.50	-6.10	-14.32	3	Vertical	150	1.00	-	51.72	16.56	1.09	31.97
PK	104.69M	34.97	43.50	-8.53	-13.59	3	Vertical	281	1.00	-	48.56	17.25	1.13	31.97
PK	396.66M	36.89	46.00	-9.11	-8.07	3	Vertical	6	1.25	-	44.96	21.40	2.69	32.16

Mode 2



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	32.01	40.00	-7.99	-7.12	3	Horizontal	192	3.00	-	39.13	23.99	0.44	31.55
PK	388.9M	35.64	46.00	-10.36	-8.38	3	Horizontal	302	1.00	-	44.02	21.13	2.65	32.16
PK	397.63M	39.84	46.00	-6.16	-8.03	3	Horizontal	311	1.00	"Worst"	47.87	21.44	2.69	32.16
PK	409.27M	37.89	46.00	-8.11	-7.51	3	Horizontal	145	1.00	-	45.40	21.95	2.72	32.18
PK	541.19M	33.84	46.00	-12.16	-5.20	3	Horizontal	0	2.00	-	39.04	24.05	3.13	32.38
PK	549.92M	35.55	46.00	-10.45	-4.73	3	Horizontal	5	1.50	-	40.28	24.48	3.17	32.38

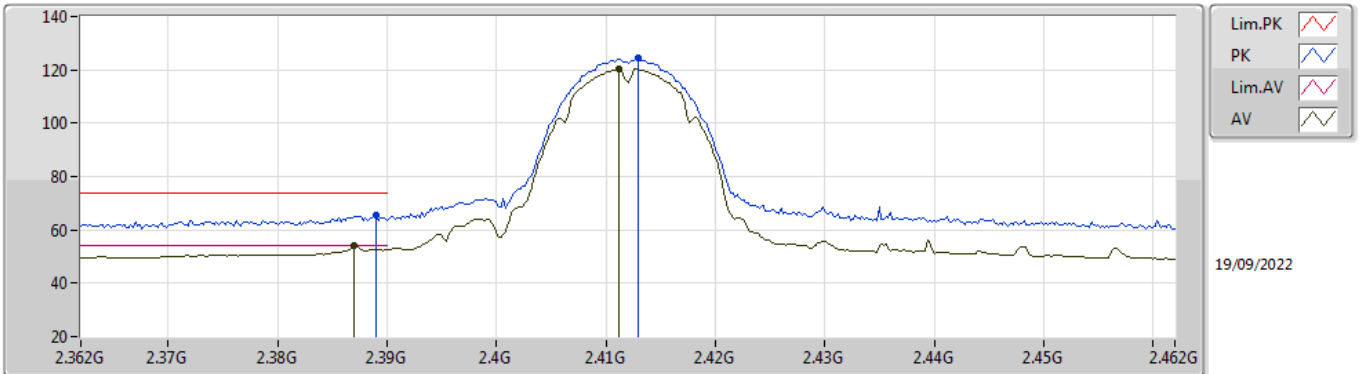


Summary

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	2.4835G	53.92	54.00	-0.08	3	Vertical	301	1.44	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

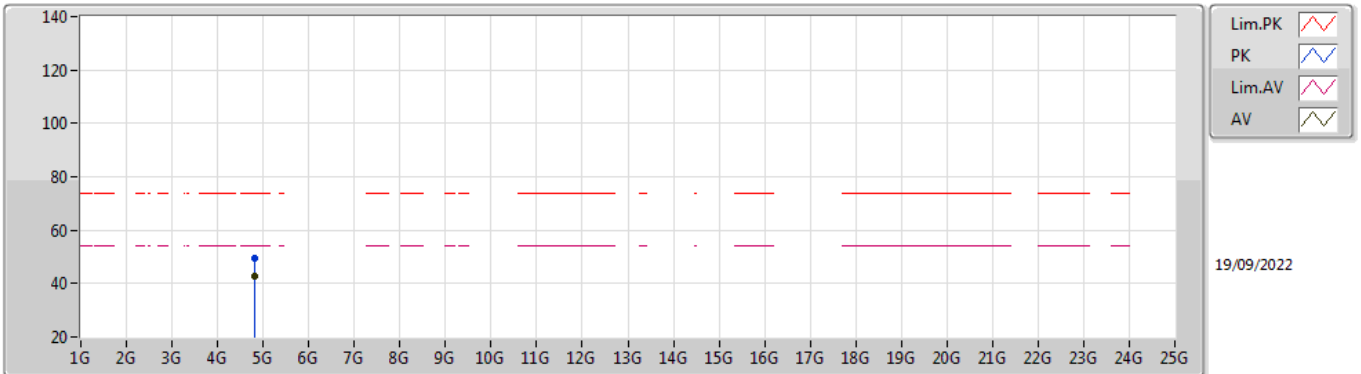


EUT_Z_4TX
Setting 92
06-E-K-5

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	65.77	74.00	-8.23	34.24	3	Vertical	144	2.19	-	27.64	3.89	-
AV	2.387G	53.91	54.00	-0.09	22.37	3	Vertical	144	2.19	-	27.65	3.89	-
PK	2.413G	124.26	Inf	-Inf	92.76	3	Vertical	144	2.19	-	27.60	3.90	-
AV	2.4112G	120.34	Inf	-Inf	88.84	3	Vertical	144	2.19	-	27.60	3.90	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

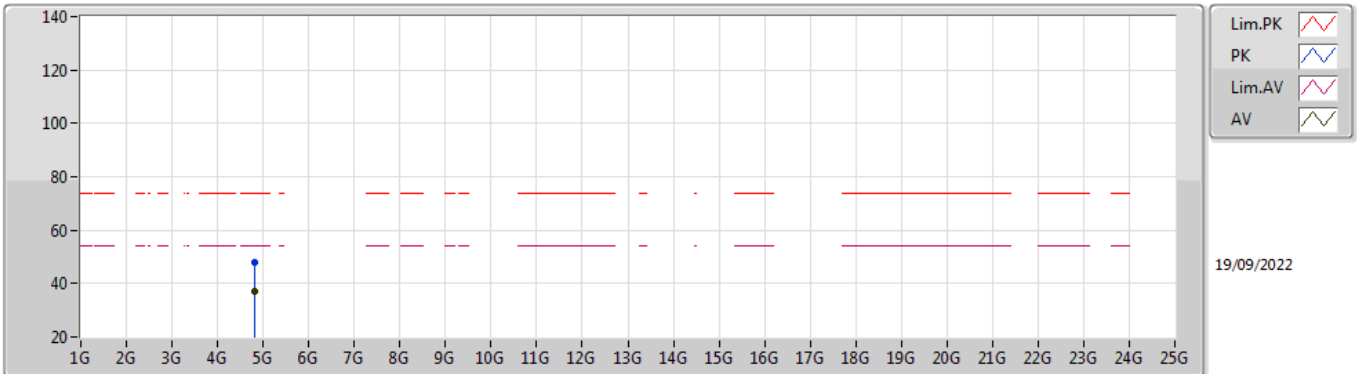


EUT_Z_4TX
Setting 92
06-E-K-5

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	4.8239G	49.37	74.00	-24.63	45.14	3	Vertical	323	1.00	-	31.35	5.40	32.52
AV	4.824G	42.99	54.00	-11.01	38.76	3	Vertical	323	1.00	-	31.35	5.40	32.52

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

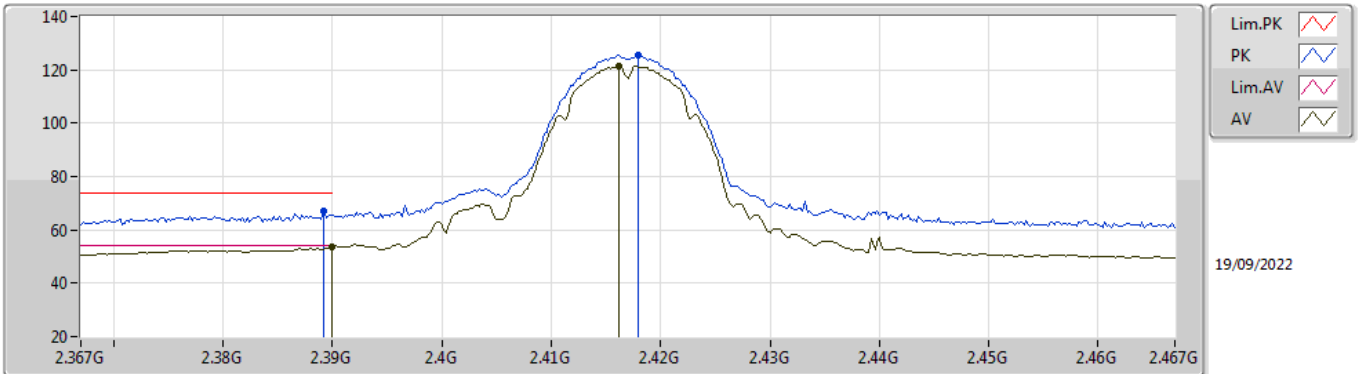


EUT_Z_4TX
Setting 92
06-E-K-5

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	4.82372G	47.85	74.00	-26.15	43.62	3	Horizontal	267	1.23	-	31.35	5.40	32.52
AV	4.82398G	37.00	54.00	-17.00	32.77	3	Horizontal	267	1.23	-	31.35	5.40	32.52

802.11b_Nss1,(1Mbps)_4TX

2417MHz_TX

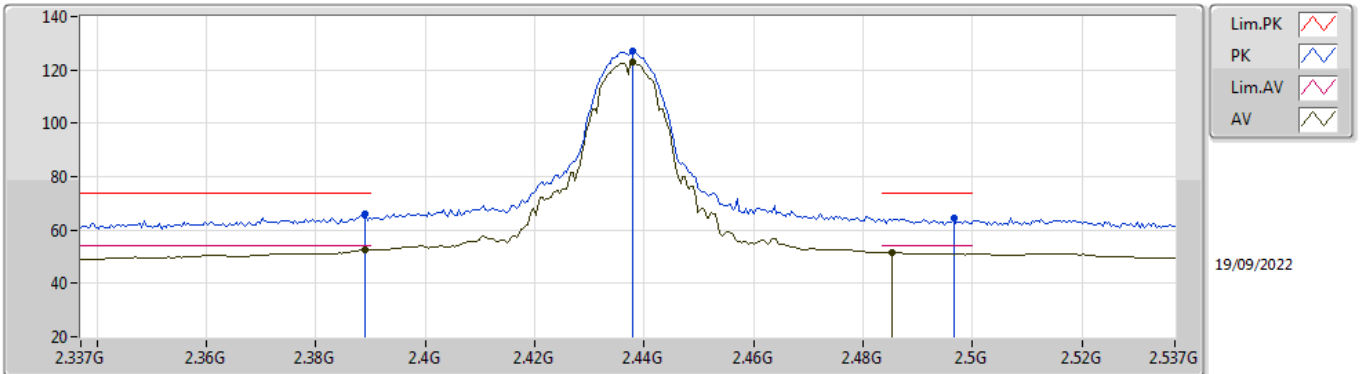


EUT_Z_4TX
Setting 100
06-E-K-5

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	67.23	74.00	-6.77	35.70	3	Vertical	296	1.70	-	27.64	3.89	-
AV	2.39G	53.79	54.00	-0.21	22.26	3	Vertical	296	1.70	-	27.64	3.89	-
PK	2.418G	125.54	Inf	-Inf	94.04	3	Vertical	296	1.70	-	27.60	3.90	-
AV	2.4162G	121.54	Inf	-Inf	90.04	3	Vertical	296	1.70	-	27.60	3.90	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

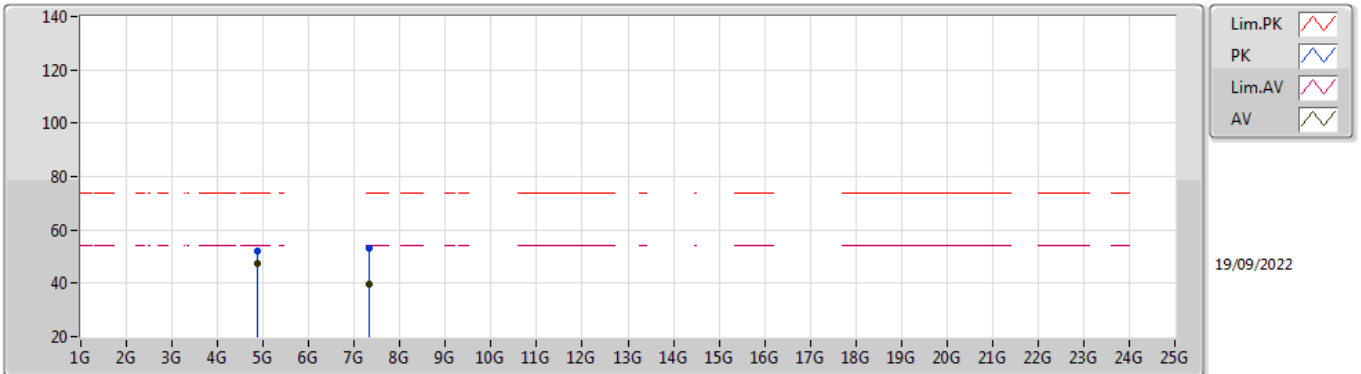


EUT_Z_4TX
Setting 108
06-E-K-5

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	65.83	74.00	-8.17	34.30	3	Vertical	301	1.47	-	27.64	3.89	-
AV	2.389G	52.40	54.00	-1.60	20.87	3	Vertical	301	1.47	-	27.64	3.89	-
PK	2.4378G	126.98	Inf	-Inf	95.48	3	Vertical	301	1.47	-	27.60	3.90	-
AV	2.4378G	122.77	Inf	-Inf	91.27	3	Vertical	301	1.47	-	27.60	3.90	-
PK	2.4966G	64.69	74.00	-9.31	33.19	3	Vertical	301	1.47	-	27.60	3.90	-
AV	2.4854G	51.68	54.00	-2.32	20.18	3	Vertical	301	1.47	-	27.60	3.90	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

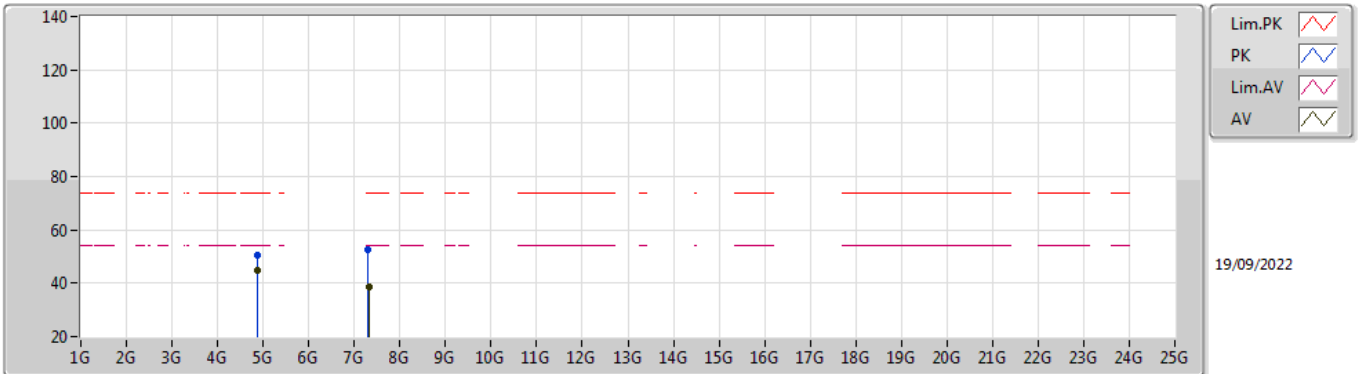


EUT_Z_4TX
Setting 108
06-E-K-5

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	4.874G	52.05	74.00	-21.95	47.75	3	Vertical	184	2.12	-	31.40	5.40	32.50
AV	4.874G	47.19	54.00	-6.81	42.89	3	Vertical	184	2.12	-	31.40	5.40	32.50
PK	7.31452G	52.97	74.00	-21.03	43.00	3	Vertical	139	2.95	-	36.70	6.71	33.44
AV	7.31248G	39.52	54.00	-14.48	29.55	3	Vertical	139	2.95	-	36.70	6.71	33.44

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

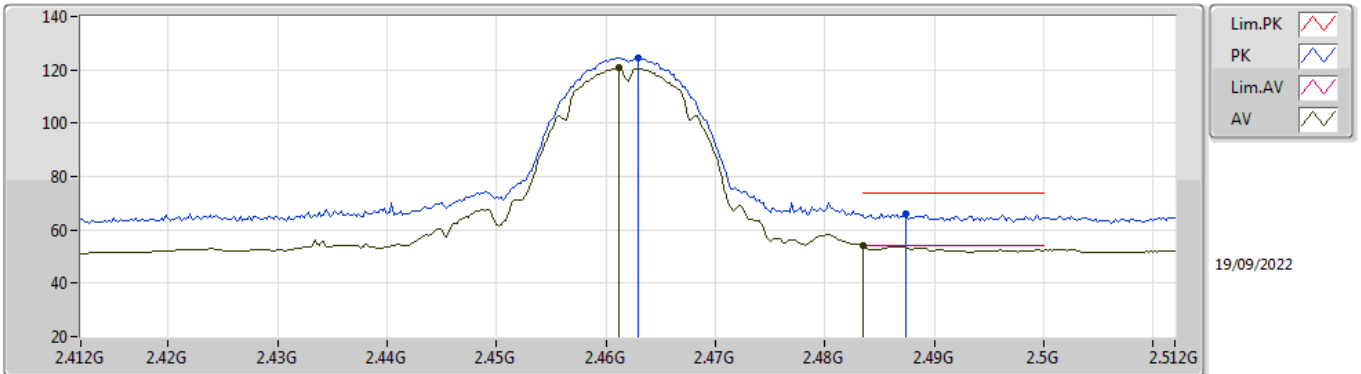


EUT_Z_4TX
Setting 108
06-E-K-5

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	4.87416G	50.28	74.00	-23.72	45.98	3	Horizontal	84	1.09	-	31.40	5.40	32.50
AV	4.87396G	44.68	54.00	-9.32	40.38	3	Horizontal	84	1.09	-	31.40	5.40	32.50
PK	7.30952G	52.77	74.00	-21.23	42.80	3	Horizontal	24	1.80	-	36.70	6.71	33.44
AV	7.31568G	38.52	54.00	-15.48	28.54	3	Horizontal	24	1.80	-	36.70	6.72	33.44

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

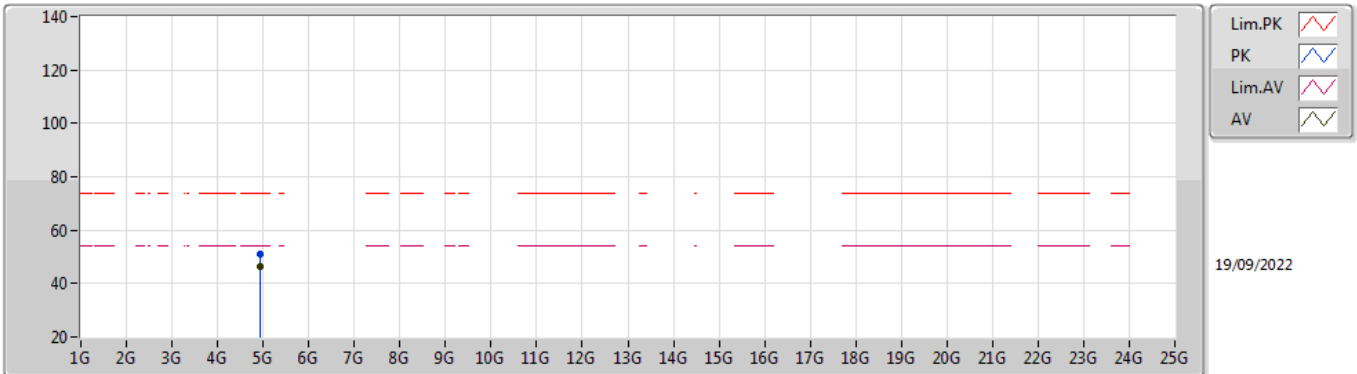


EUT_Z_4TX
Setting 100
06-E-K-5

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	124.69	Inf	-Inf	93.19	3	Vertical	301	1.44	-	27.60	3.90	-	
AV	2.4612G	120.83	Inf	-Inf	89.33	3	Vertical	301	1.44	-	27.60	3.90	-	
PK	2.4874G	66.25	74.00	-7.75	34.75	3	Vertical	301	1.44	-	27.60	3.90	-	
AV	2.4835G	53.92	54.00	-0.08	22.42	3	Vertical	301	1.44	-	27.60	3.90	-	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

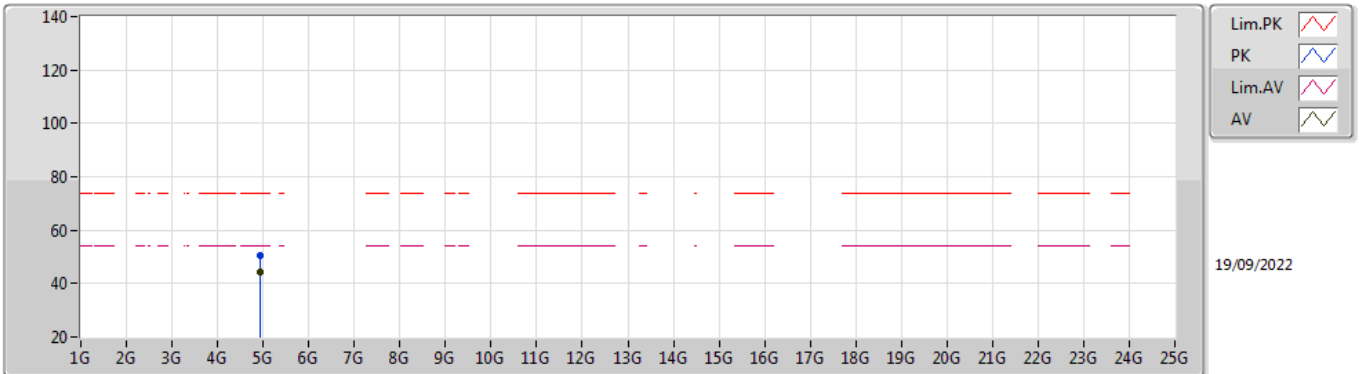


EUT_Z_4TX
Setting 100
06-E-K-5

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	4.92402G	51.15	74.00	-22.85	46.77	3	Vertical	142	1.72	-	31.45	5.40	32.47	
AV	4.92396G	46.14	54.00	-7.86	41.76	3	Vertical	142	1.72	-	31.45	5.40	32.47	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

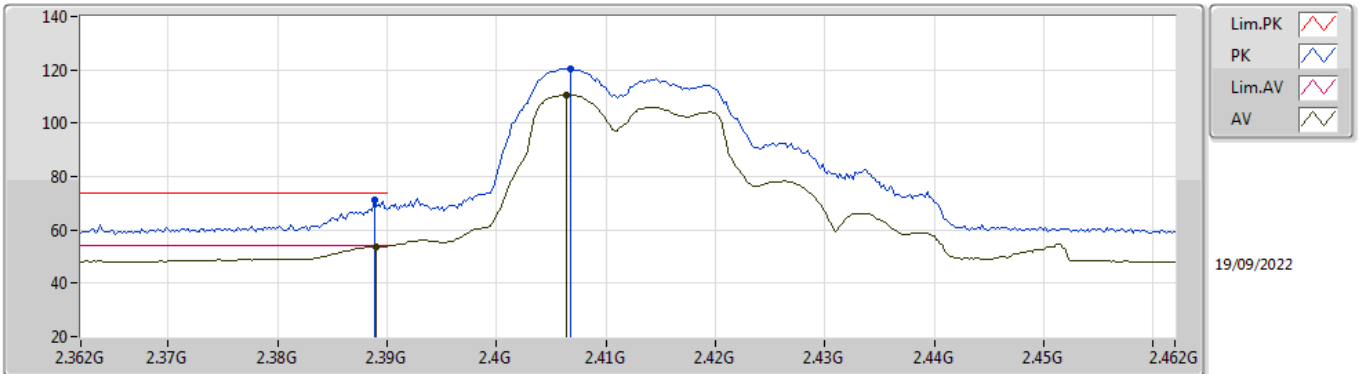


EUT_Z_4TX
Setting 100
06-E-K-5

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	4.92404G	50.27	74.00	-23.73	45.89	3	Horizontal	83	1.01	-	31.45	5.40	32.47
AV	4.92402G	44.37	54.00	-9.63	39.99	3	Horizontal	83	1.01	-	31.45	5.40	32.47

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

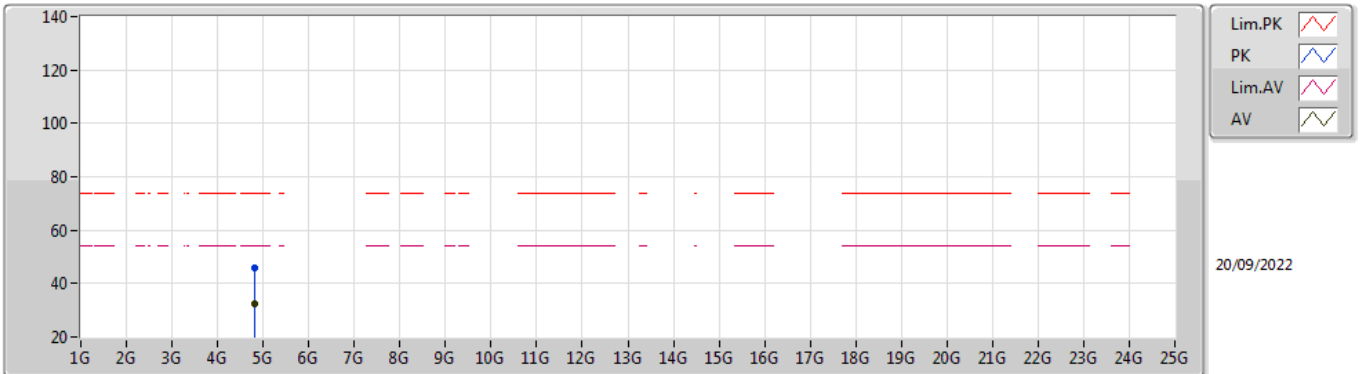


EUT_Z_4TX
Setting 83
06-E-K-5

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	2.3888G	71.12	74.00	-2.88	39.59	3	Vertical	143	2.21	-	27.64	3.89	-
AV	2.389G	53.87	54.00	-0.13	22.34	3	Vertical	143	2.21	-	27.64	3.89	-
PK	2.4068G	120.41	Inf	-Inf	88.91	3	Vertical	143	2.21	-	27.60	3.90	-
AV	2.4064G	110.63	Inf	-Inf	79.13	3	Vertical	143	2.21	-	27.60	3.90	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

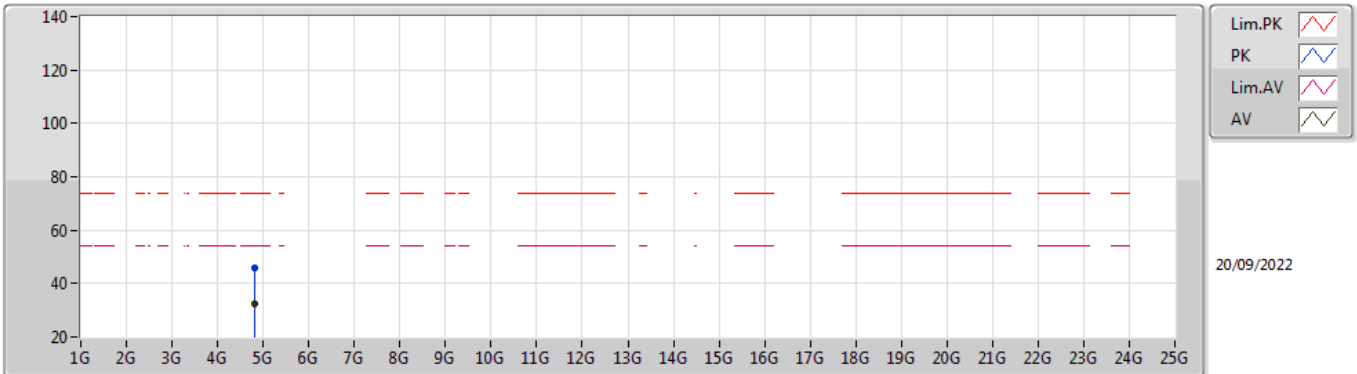


EUT_Z_4TX
Setting 83
06-E-K-5

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	4.8277G	46.07	74.00	-27.93	41.83	3	Vertical	143	2.24	-	31.36	5.40	32.52
AV	4.8236G	32.52	54.00	-21.48	28.29	3	Vertical	143	2.24	-	31.35	5.40	32.52

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

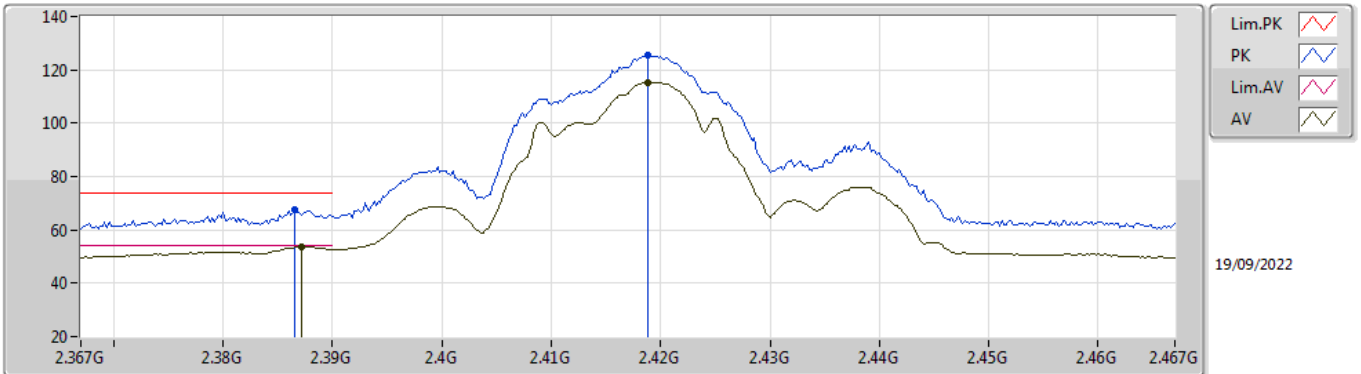


EUT_Z_4TX
Setting 83
06-E-K-5

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	4.81928G	45.66	74.00	-28.34	41.44	3	Horizontal	176	1.22	-	31.34	5.40	32.52
AV	4.82742G	32.51	54.00	-21.49	28.28	3	Horizontal	176	1.22	-	31.35	5.40	32.52

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

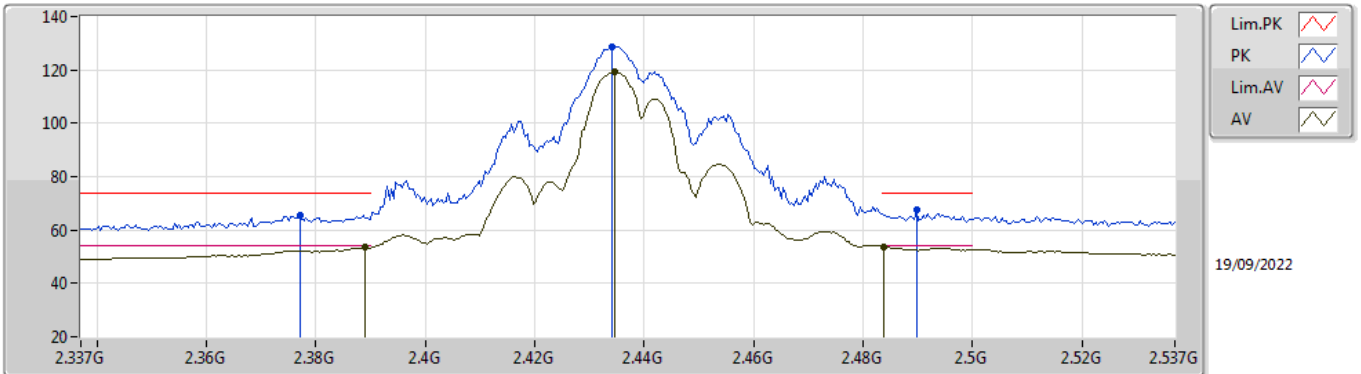


EUT_Z_4TX
Setting 94
06-E-K-5

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	2.3866G	67.45	74.00	-6.55	35.91	3	Vertical	201	2.71	-	27.65	3.89	-
AV	2.3872G	53.76	54.00	-0.24	22.22	3	Vertical	201	2.71	-	27.65	3.89	-
PK	2.4188G	125.30	Inf	-Inf	93.80	3	Vertical	201	2.71	-	27.60	3.90	-
AV	2.4188G	115.26	Inf	-Inf	83.76	3	Vertical	201	2.71	-	27.60	3.90	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

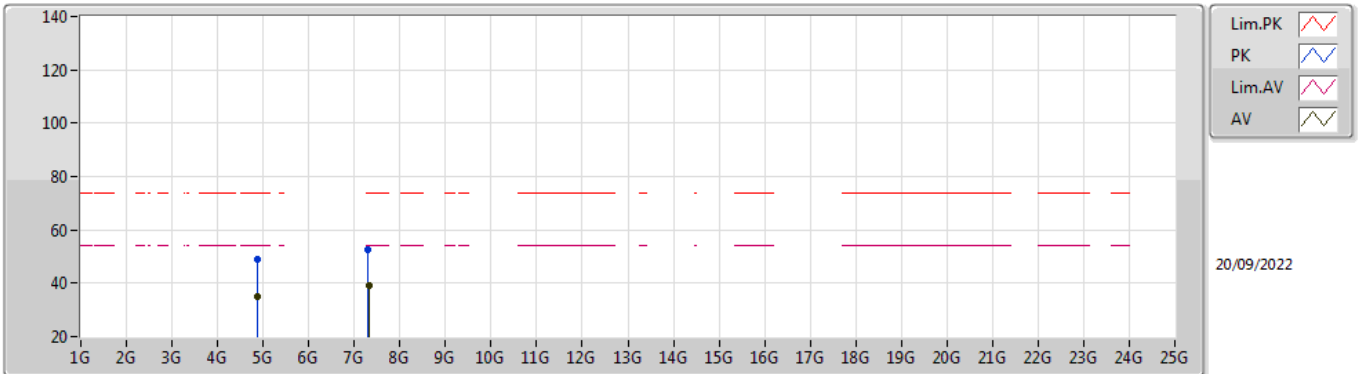


EUT_Z_4TX
Setting 105
06-E-K-5

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	65.65	74.00	-8.35	34.08	3	Vertical	2	2.77	-	27.69	3.88	-
AV	2.389G	53.56	54.00	-0.44	22.03	3	Vertical	2	2.77	-	27.64	3.89	-
PK	2.4342G	128.65	Inf	-Inf	97.15	3	Vertical	2	2.77	-	27.60	3.90	-
AV	2.4346G	119.21	Inf	-Inf	87.71	3	Vertical	2	2.77	-	27.60	3.90	-
PK	2.4898G	67.49	74.00	-6.51	35.99	3	Vertical	2	2.77	-	27.60	3.90	-
AV	2.4838G	53.79	54.00	-0.21	22.29	3	Vertical	2	2.77	-	27.60	3.90	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

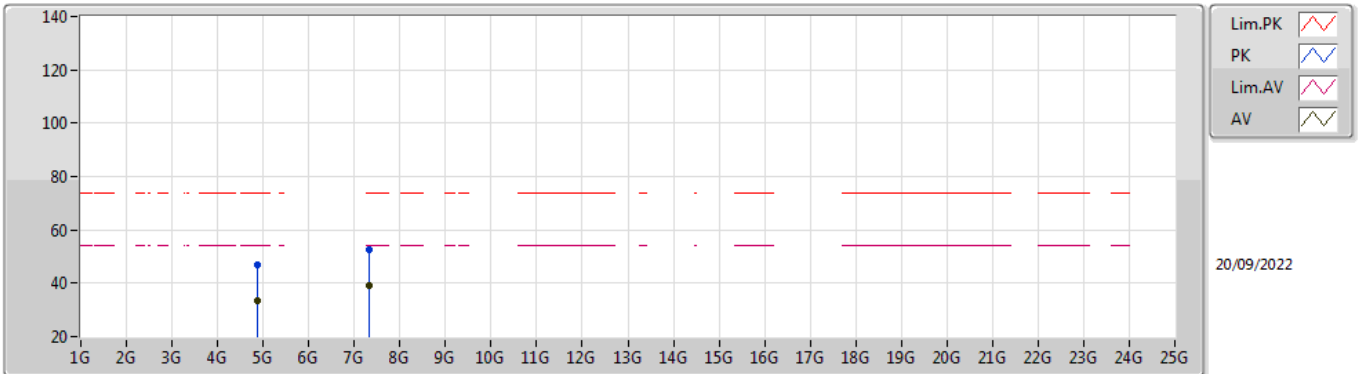


EUT_Z_4TX
Setting 105
06-E-K-5

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	4.87712G	48.82	74.00	-25.18	44.52	3	Vertical	342	1.79	-	31.40	5.40	32.50
AV	4.87716G	34.78	54.00	-19.22	30.48	3	Vertical	342	1.79	-	31.40	5.40	32.50
PK	7.30848G	52.43	74.00	-21.57	42.45	3	Vertical	21	1.48	-	36.70	6.71	33.43
AV	7.31524G	39.00	54.00	-15.00	29.02	3	Vertical	21	1.48	-	36.70	6.72	33.44

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

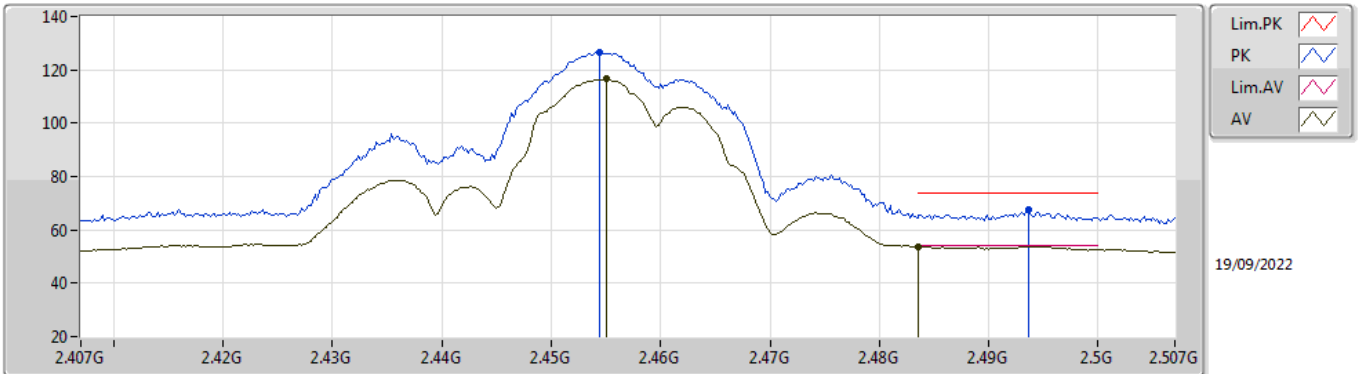


EUT_Z_4TX
Setting 105
06-E-K-5

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	4.86944G	47.13	74.00	-26.87	42.83	3	Horizontal	198	2.37	-	31.40	5.40	32.50
AV	4.86792G	33.33	54.00	-20.67	29.03	3	Horizontal	198	2.37	-	31.40	5.40	32.50
PK	7.31296G	52.75	74.00	-21.25	42.78	3	Horizontal	332	2.56	-	36.70	6.71	33.44
AV	7.31556G	39.11	54.00	-14.89	29.13	3	Horizontal	332	2.56	-	36.70	6.72	33.44

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

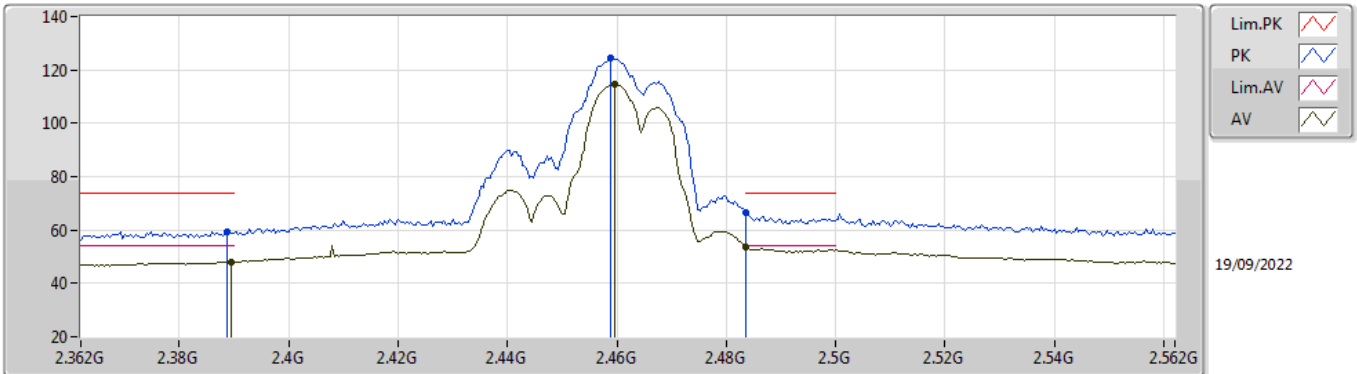


EUT_Z_4TX
Setting 97
06-E-K-5

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	2.4544G	126.63	Inf	-Inf	95.13	3	Vertical	4	2.75	-	27.60	3.90	-
AV	2.455G	116.54	Inf	-Inf	85.04	3	Vertical	4	2.75	-	27.60	3.90	-
PK	2.4936G	67.34	74.00	-6.66	35.84	3	Vertical	4	2.75	-	27.60	3.90	-
AV	2.4835G	53.81	54.00	-0.19	22.31	3	Vertical	4	2.75	-	27.60	3.90	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

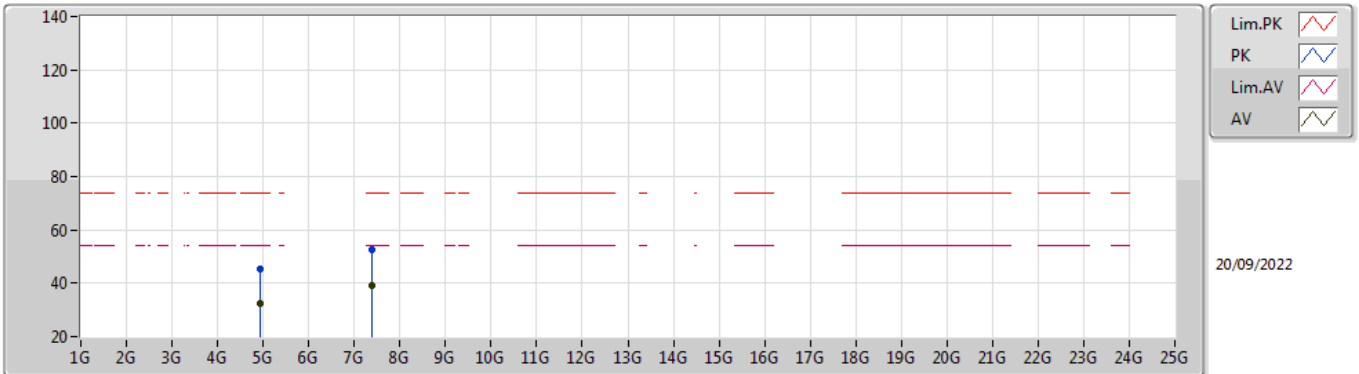


EUT_Z_4TX
Setting 89
06-E-R-6

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	2.3888G	59.39	74.00	-14.61	27.86	3	Vertical	2	2.70	-	27.64	3.89	-
AV	2.3896G	48.09	54.00	-5.91	16.56	3	Vertical	2	2.70	-	27.64	3.89	-
PK	2.4588G	124.46	Inf	-Inf	92.96	3	Vertical	2	2.70	-	27.60	3.90	-
AV	2.4596G	114.62	Inf	-Inf	83.12	3	Vertical	2	2.70	-	27.60	3.90	-
PK	2.4835G	66.46	74.00	-7.54	34.96	3	Vertical	2	2.70	-	27.60	3.90	-
AV	2.4835G	53.86	54.00	-0.14	22.36	3	Vertical	2	2.70	-	27.60	3.90	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

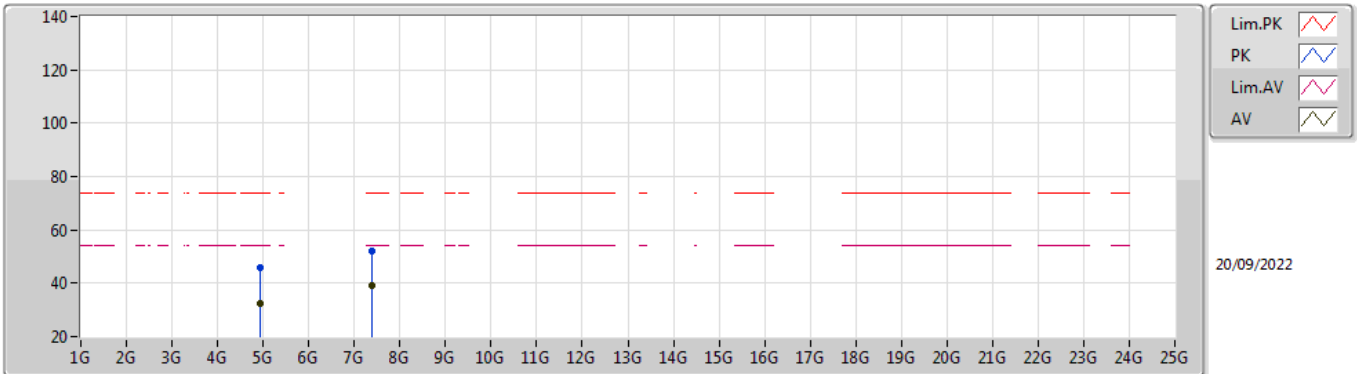


EUT_Z_4TX
Setting 89
06-E-K-5

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	4.92024G	45.19	74.00	-28.81	40.83	3	Vertical	169	1.50	-	31.44	5.40	32.48
AV	4.92154G	32.24	54.00	-21.76	27.88	3	Vertical	169	1.50	-	31.44	5.40	32.48
PK	7.38896G	52.33	74.00	-21.67	42.38	3	Vertical	27	1.60	-	36.70	6.79	33.54
AV	7.38686G	39.13	54.00	-14.87	29.18	3	Vertical	27	1.60	-	36.70	6.79	33.54

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX



EUT_Z_4TX
Setting 89
06-E-K-5

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	4.92782G	46.01	74.00	-27.99	41.62	3	Horizontal	20	1.07	-	31.46	5.40	32.47
AV	4.92158G	32.40	54.00	-21.60	28.04	3	Horizontal	20	1.07	-	31.44	5.40	32.48
PK	7.38542G	52.02	74.00	-21.98	42.06	3	Horizontal	133	2.17	-	36.70	6.79	33.53
AV	7.38654G	39.06	54.00	-14.94	29.10	3	Horizontal	133	2.17	-	36.70	6.79	33.53

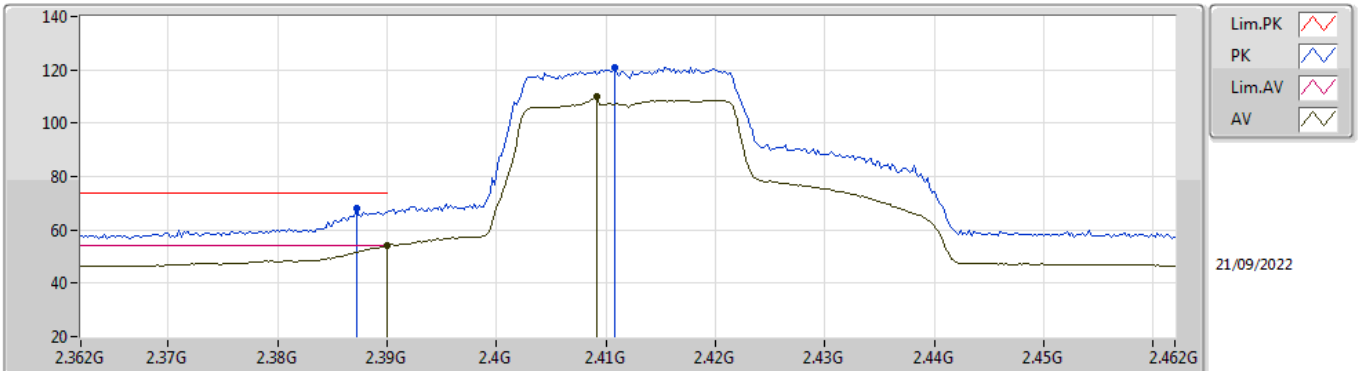


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	AV	2.3898G	53.99	54.00	-0.01	3	Vertical	0.7	1.26	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

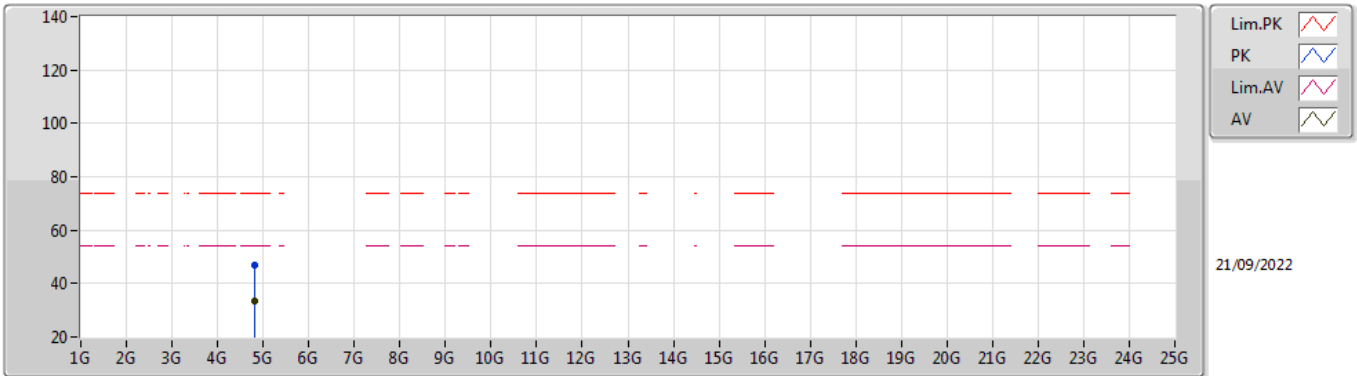


EUT_Z_4TX
Setting 69
06-E-K-5

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	2.3872G	67.86	74.00	-6.14	36.32	3	Vertical	206	2.49	-	27.65	3.89	-
AV	2.39G	53.88	54.00	-0.12	22.35	3	Vertical	206	2.49	-	27.64	3.89	-
PK	2.4108G	120.82	Inf	-Inf	89.32	3	Vertical	206	2.49	-	27.60	3.90	-
AV	2.4092G	110.14	Inf	-Inf	78.64	3	Vertical	206	2.49	-	27.60	3.90	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

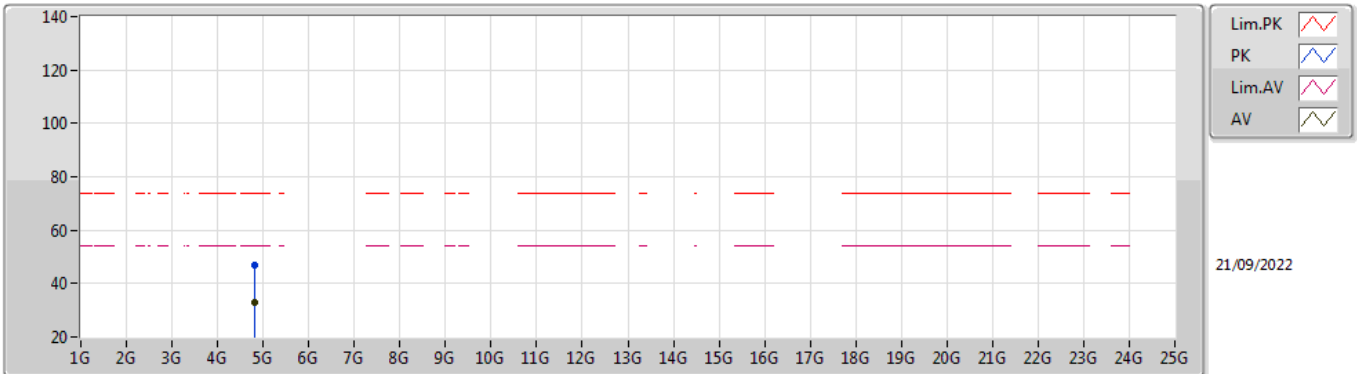


EUT_Z_4TX
Setting 69
06-E-K-5

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	4.82524G	46.79	74.00	-27.21	42.56	3	Vertical	103	2.19	-	31.35	5.40	32.52
AV	4.82826G	33.30	54.00	-20.70	29.06	3	Vertical	103	2.19	-	31.36	5.40	32.52

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

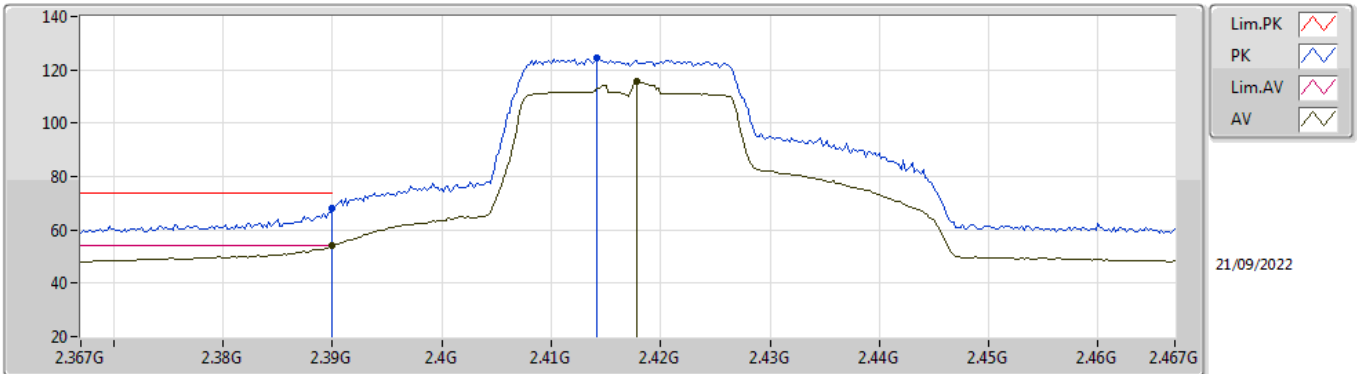


EUT_Z_4TX
Setting 69
06-E-K-5

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	4.82778G	46.74	74.00	-27.26	42.50	3	Horizontal	81	1.51	-	31.36	5.40	32.52
AV	4.82304G	33.13	54.00	-20.87	28.90	3	Horizontal	81	1.51	-	31.35	5.40	32.52

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

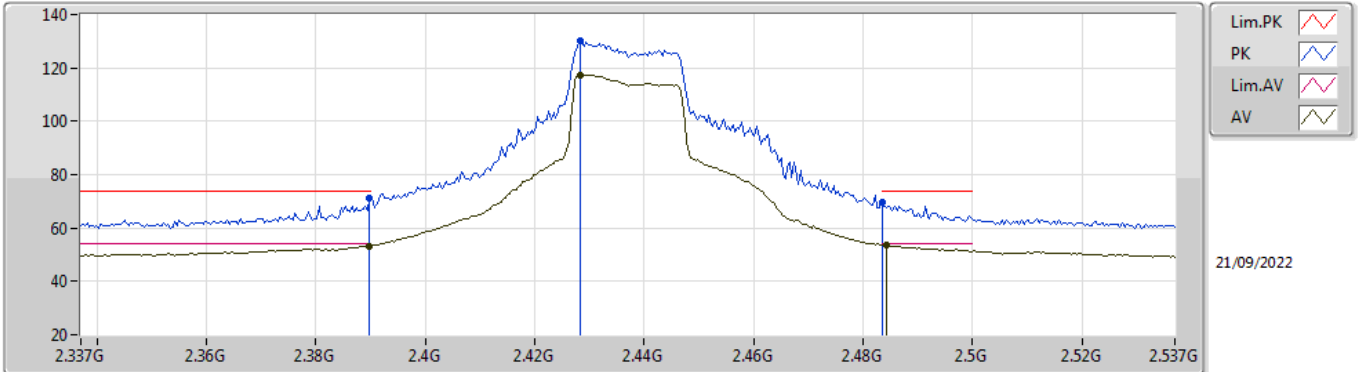


EUT_Z_4TX
Setting 82
06-E-K-5

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	68.11	74.00	-5.89	36.58	3	Vertical	151.8	2.15	-	27.64	3.89	-
AV	2.39G	53.96	54.00	-0.04	22.43	3	Vertical	151.8	2.15	-	27.64	3.89	-
PK	2.4142G	124.29	Inf	-Inf	92.79	3	Vertical	151.8	2.15	-	27.60	3.90	-
AV	2.4178G	115.44	Inf	-Inf	83.94	3	Vertical	151.8	2.15	-	27.60	3.90	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

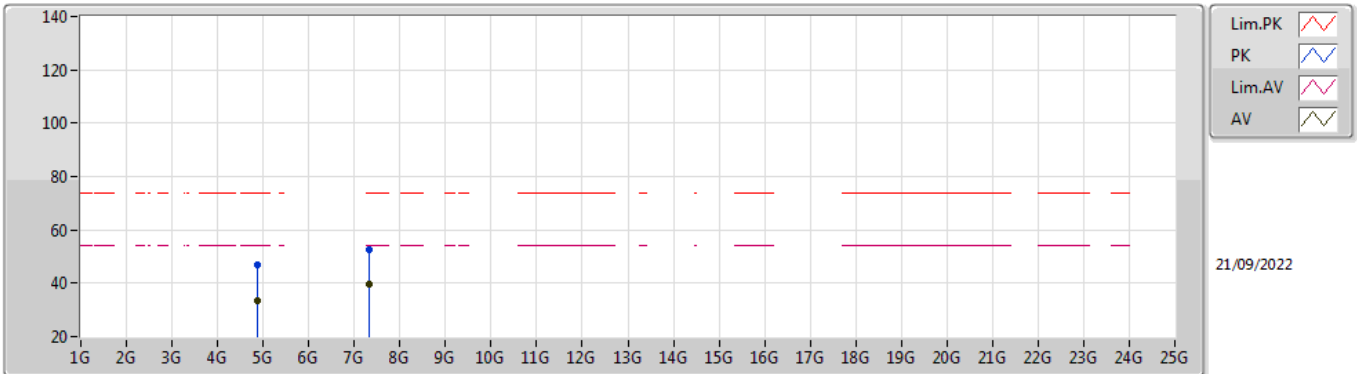


EUT_Z_4TX
Setting 100
06-E-K-5

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	71.44	74.00	-2.56	39.91	3	Vertical	242	1.84	-	27.64	3.89	-
AV	2.3898G	53.23	54.00	-0.77	21.70	3	Vertical	242	1.84	-	27.64	3.89	-
PK	2.4282G	130.10	Inf	-Inf	98.60	3	Vertical	242	1.84	-	27.60	3.90	-
AV	2.4282G	117.44	Inf	-Inf	85.94	3	Vertical	242	1.84	-	27.60	3.90	-
PK	2.4835G	69.45	74.00	-4.55	37.95	3	Vertical	242	1.84	-	27.60	3.90	-
AV	2.4842G	53.79	54.00	-0.21	22.29	3	Vertical	242	1.84	-	27.60	3.90	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

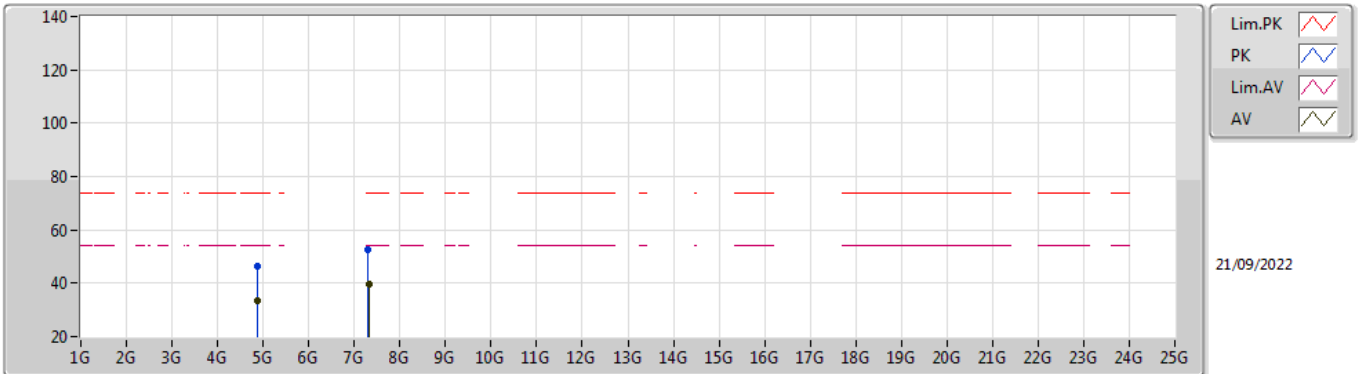


EUT_Z_4TX
Setting 100
06-E-K-5

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	4.87892G	47.09	74.00	-26.91	42.79	3	Vertical	212	1.91	-	31.40	5.40	32.50
AV	4.87034G	33.27	54.00	-20.73	28.97	3	Vertical	212	1.91	-	31.40	5.40	32.50
PK	7.31496G	52.72	74.00	-21.28	42.75	3	Vertical	176	1.12	-	36.70	6.71	33.44
AV	7.3108G	39.76	54.00	-14.24	29.79	3	Vertical	176	1.12	-	36.70	6.71	33.44

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

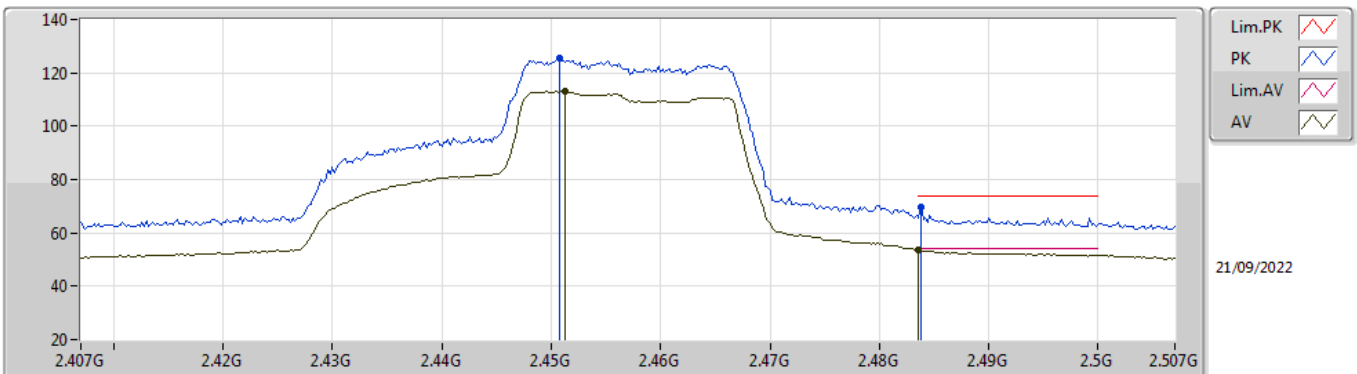


EUT_Z_4TX
Setting 100
06-E-K-5

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	4.86964G	46.54	74.00	-27.46	42.24	3	Horizontal	155	1.01	-	31.40	5.40	32.50
AV	4.87344G	33.38	54.00	-20.62	29.08	3	Horizontal	155	1.01	-	31.40	5.40	32.50
PK	7.30886G	52.79	74.00	-21.21	42.82	3	Horizontal	343	1.14	-	36.70	6.71	33.44
AV	7.3144G	39.71	54.00	-14.29	29.74	3	Horizontal	343	1.14	-	36.70	6.71	33.44

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

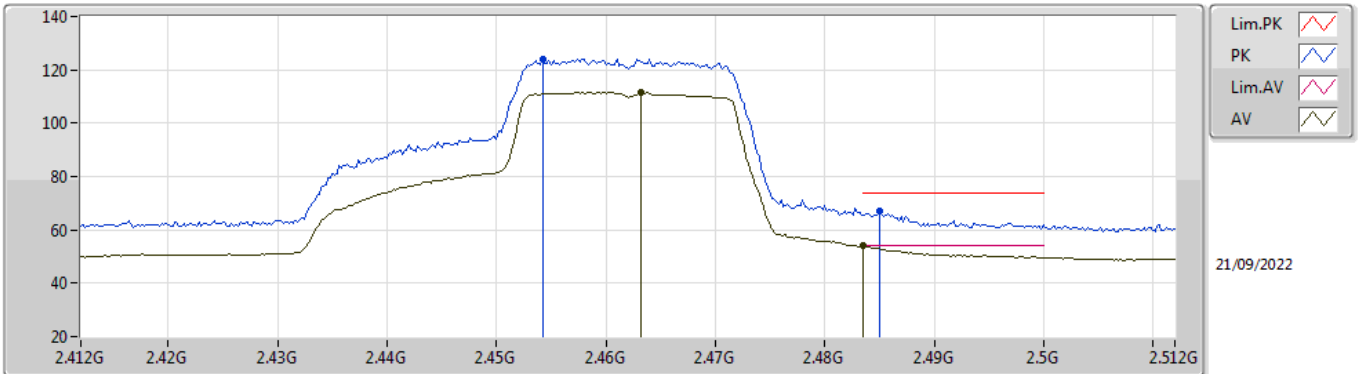


EUT_Z_4TX
Setting 89
06-E-K-5

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	2.4508G	125.30	Inf	-Inf	93.80	3	Vertical	353.9	2.63	-	27.60	3.90	-	
AV	2.4512G	112.98	Inf	-Inf	81.48	3	Vertical	353.9	2.63	-	27.60	3.90	-	
PK	2.4838G	69.41	74.00	-4.59	37.91	3	Vertical	353.9	2.63	-	27.60	3.90	-	
AV	2.4835G	53.77	54.00	-0.23	22.27	3	Vertical	353.9	2.63	-	27.60	3.90	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

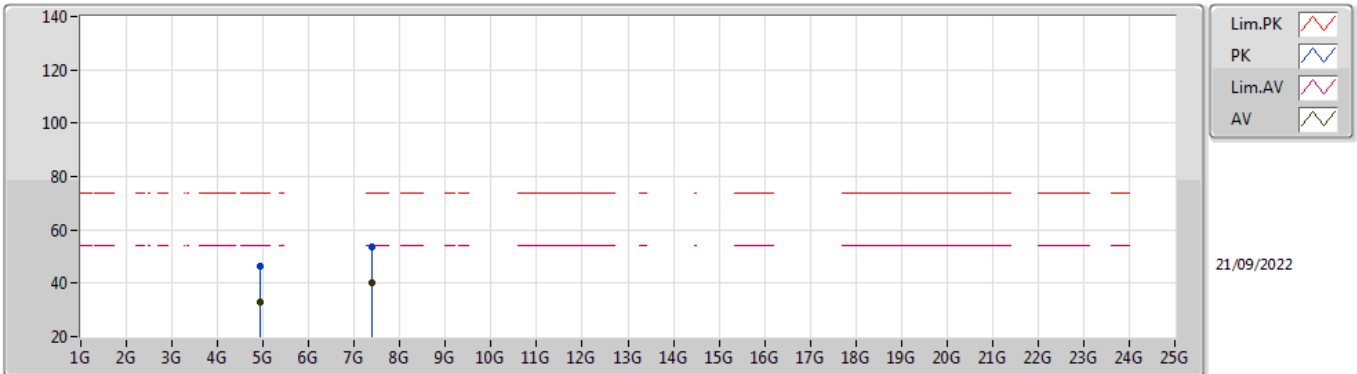


EUT_Z_4TX
Setting 83
06-E-K-5

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	2.4542G	124.11	Inf	-Inf	92.61	3	Vertical	206.8	2.17	-	27.60	3.90	-
AV	2.4632G	111.62	Inf	-Inf	80.12	3	Vertical	206.8	2.17	-	27.60	3.90	-
PK	2.485G	67.07	74.00	-6.93	35.57	3	Vertical	206.8	2.17	-	27.60	3.90	-
AV	2.4835G	53.92	54.00	-0.08	22.42	3	Vertical	206.8	2.17	-	27.60	3.90	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

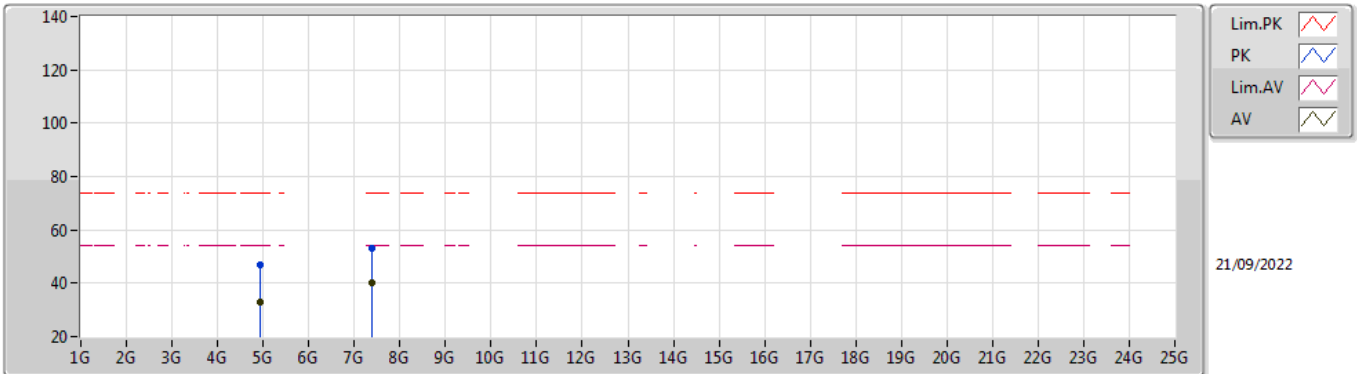


EUT_Z_4TX
Setting 83
06-E-K-5

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	4.92552G	46.47	74.00	-27.53	42.09	3	Vertical	87	1.30	-	31.45	5.40	32.47
AV	4.92346G	33.09	54.00	-20.91	28.72	3	Vertical	87	1.30	-	31.45	5.40	32.48
PK	7.39076G	53.42	74.00	-20.58	43.47	3	Vertical	225	2.39	-	36.70	6.79	33.54
AV	7.39078G	39.92	54.00	-14.08	29.97	3	Vertical	225	2.39	-	36.70	6.79	33.54

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

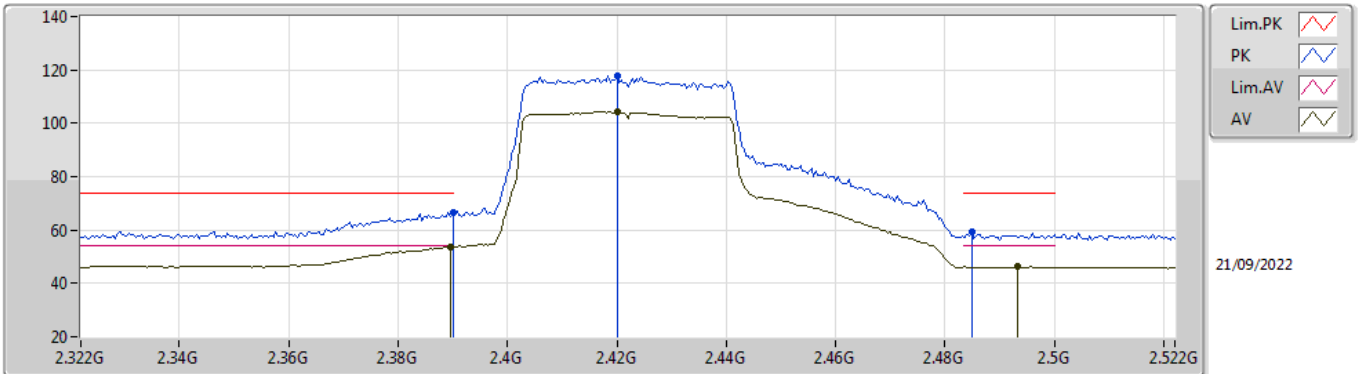


EUT_Z_4TX
Setting 83
06-E-K-5

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	4.92754G	46.67	74.00	-27.33	42.28	3	Horizontal	99	2.88	-	31.46	5.40	32.47
AV	4.92432G	33.11	54.00	-20.89	28.73	3	Horizontal	99	2.88	-	31.45	5.40	32.47
PK	7.38192G	52.88	74.00	-21.12	42.93	3	Horizontal	288	1.42	-	36.70	6.78	33.53
AV	7.38854G	40.01	54.00	-13.99	30.06	3	Horizontal	288	1.42	-	36.70	6.79	33.54

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

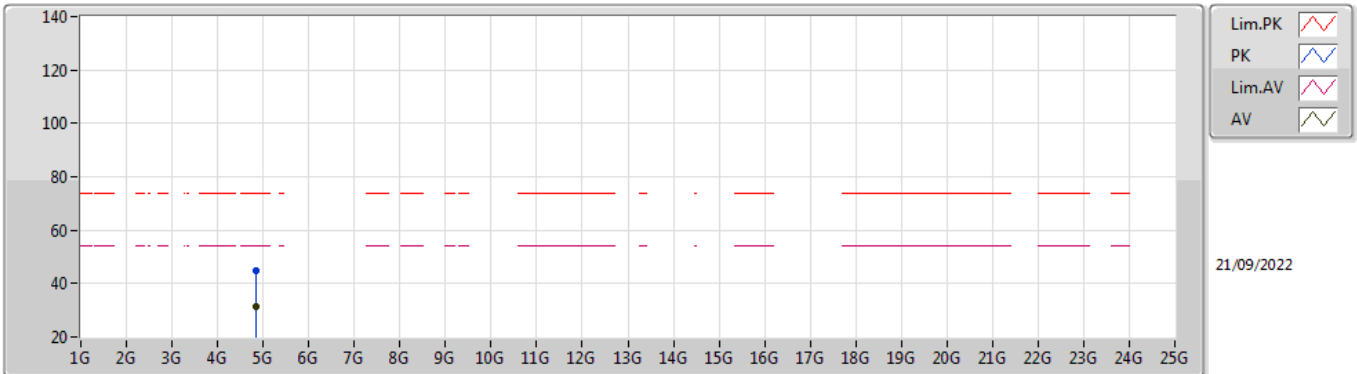


EUT_Z_4TX
Setting 68
06-E-S-5

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	66.78	74.00	-7.22	35.25	3	Vertical	210.7	2.58	-	27.64	3.89	-
AV	2.3896G	53.81	54.00	-0.19	22.28	3	Vertical	210.7	2.58	-	27.64	3.89	-
PK	2.42G	117.88	Inf	-Inf	86.38	3	Vertical	210.7	2.58	-	27.60	3.90	-
AV	2.42G	104.22	Inf	-Inf	72.72	3	Vertical	210.7	2.58	-	27.60	3.90	-
PK	2.4848G	59.09	74.00	-14.91	27.59	3	Vertical	210.7	2.58	-	27.60	3.90	-
AV	2.4932G	46.22	54.00	-7.78	14.72	3	Vertical	210.7	2.58	-	27.60	3.90	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

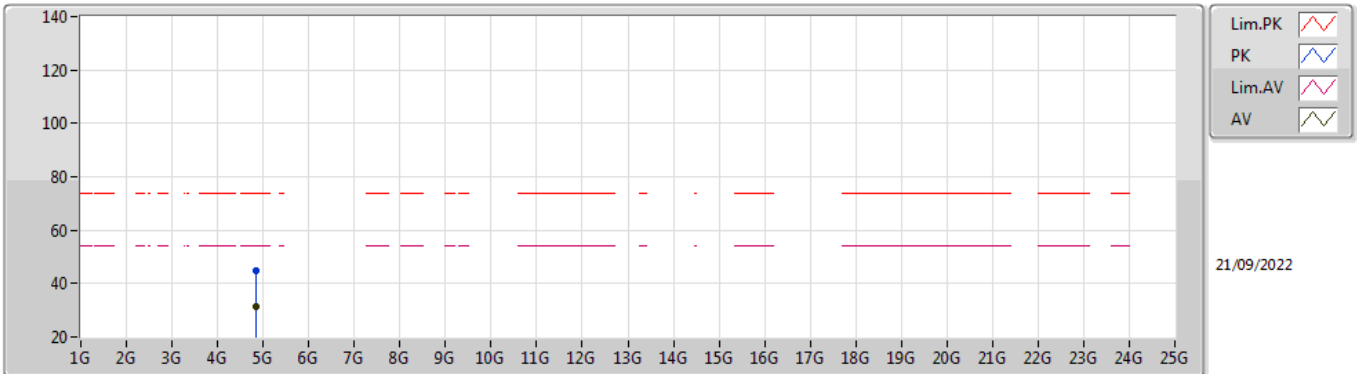


EUT_Z_4TX
Setting 68
06-E-S-5

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	4.83584G	44.77	74.00	-29.23	40.52	3	Vertical	37	1.81	-	31.37	5.40	32.52
AV	4.84588G	31.40	54.00	-22.60	27.12	3	Vertical	37	1.81	-	31.39	5.40	32.51

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

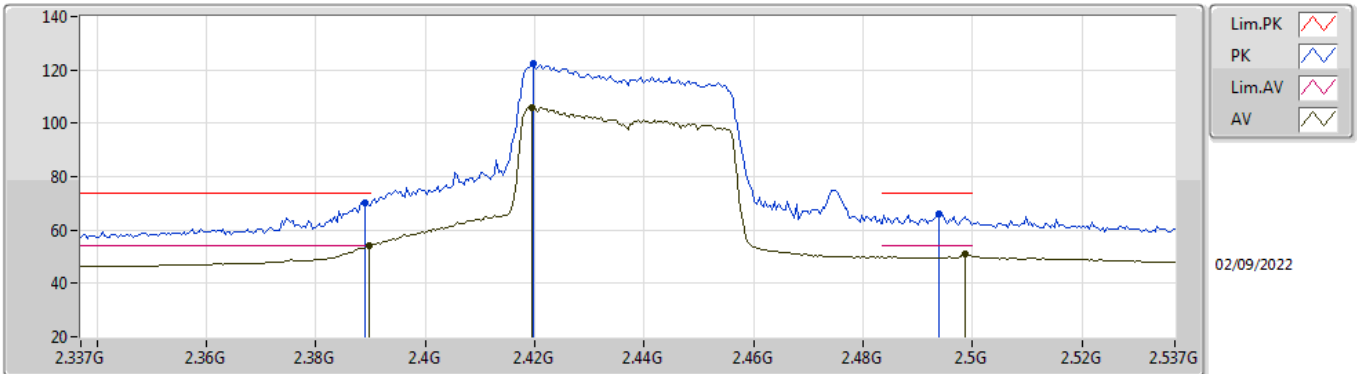


EUT_Z_4TX
Setting 68
06-E-S-5

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	4.84936G	44.94	74.00	-29.06	40.65	3	Horizontal	198	1.05	-	31.40	5.40	32.51	
AV	4.84656G	31.36	54.00	-22.64	27.08	3	Horizontal	198	1.05	-	31.39	5.40	32.51	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

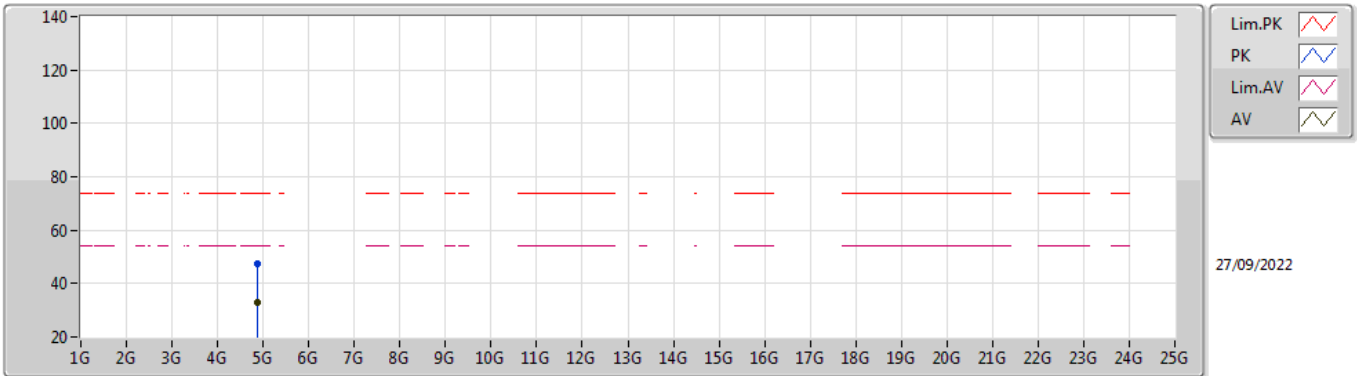


EUT_Z_4TX
Setting 79
06-E-S-5

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	70.11	74.00	-3.89	38.58	3	Vertical	0.7	1.26	-	27.64	3.89	-
AV	2.3898G	53.99	54.00	-0.01	22.46	3	Vertical	0.7	1.26	-	27.64	3.89	-
PK	2.4198G	122.36	Inf	-Inf	90.86	3	Vertical	0.7	1.26	-	27.60	3.90	-
AV	2.4194G	105.80	Inf	-Inf	74.30	3	Vertical	0.7	1.26	-	27.60	3.90	-
PK	2.4938G	66.17	74.00	-7.83	34.67	3	Vertical	0.7	1.26	-	27.60	3.90	-
AV	2.4986G	50.99	54.00	-3.01	19.49	3	Vertical	0.7	1.26	-	27.60	3.90	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

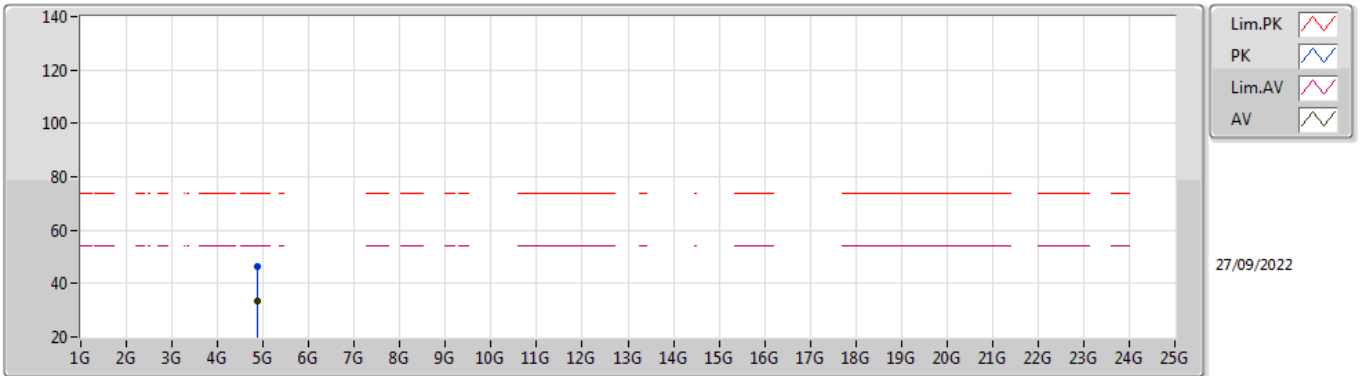


EUT_Z_4TX
Setting 79
06-E-S-5

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	4.8836G	47.66	74.00	-26.34	43.35	3	Vertical	307	1.52	-	31.40	5.40	32.49
AV	4.87744G	32.73	54.00	-21.27	28.43	3	Vertical	307	1.52	-	31.40	5.40	32.50

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

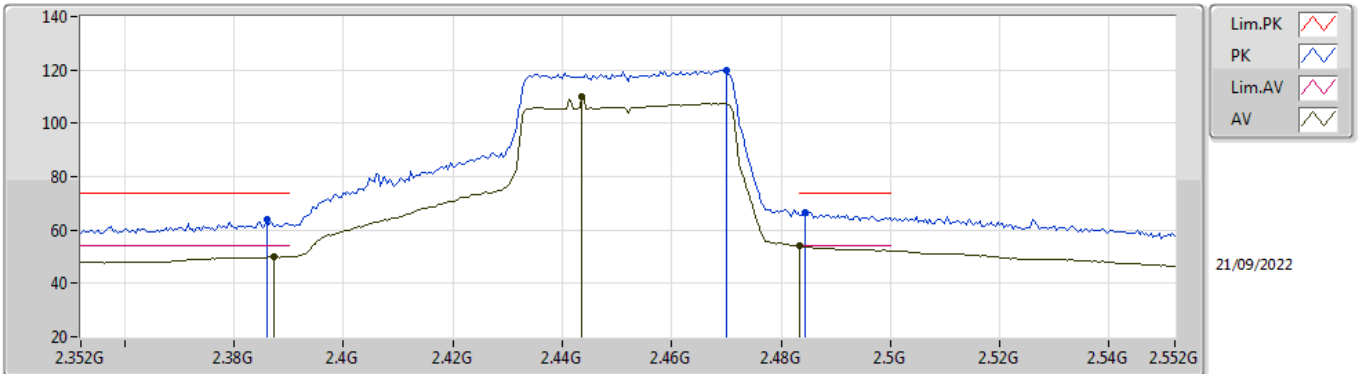


EUT_Z_4TX
Setting 79
06-E-S-5

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	4.87696G	46.52	74.00	-27.48	42.22	3	Horizontal	274	2.02	-	31.40	5.40	32.50	
AV	4.88184G	33.44	54.00	-20.56	29.13	3	Horizontal	274	2.02	-	31.40	5.40	32.49	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

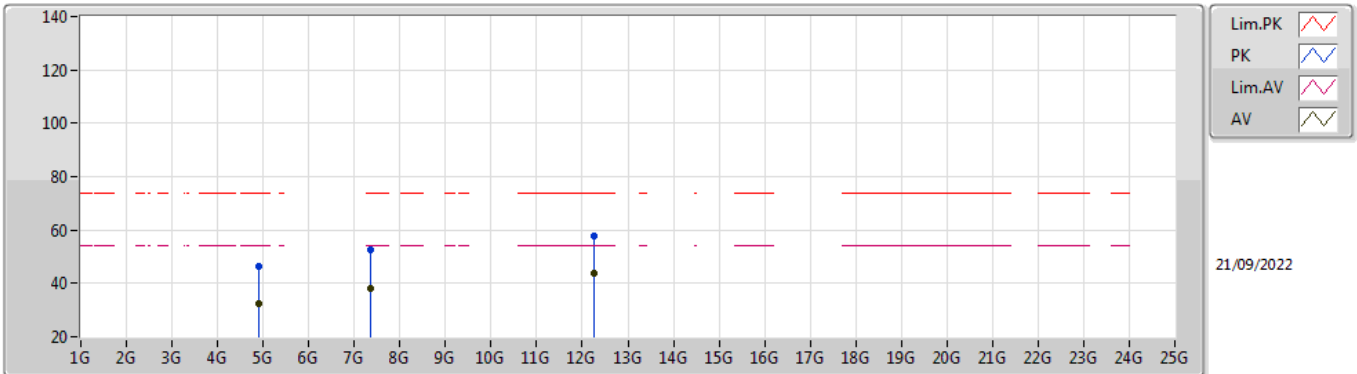


EUT_Z_4TX
Setting 82
06-E-S-5

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	2.386G	64.19	74.00	-9.81	32.64	3	Vertical	144.3	2.50	-	27.66	3.89	-
AV	2.3872G	50.06	54.00	-3.94	18.52	3	Vertical	144.3	2.50	-	27.65	3.89	-
PK	2.47G	119.74	Inf	-Inf	88.24	3	Vertical	144.3	2.50	-	27.60	3.90	-
AV	2.4436G	109.76	Inf	-Inf	78.26	3	Vertical	144.3	2.50	-	27.60	3.90	-
PK	2.4844G	66.39	74.00	-7.61	34.89	3	Vertical	144.3	2.50	-	27.60	3.90	-
AV	2.4835G	53.90	54.00	-0.10	22.40	3	Vertical	144.3	2.50	-	27.60	3.90	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

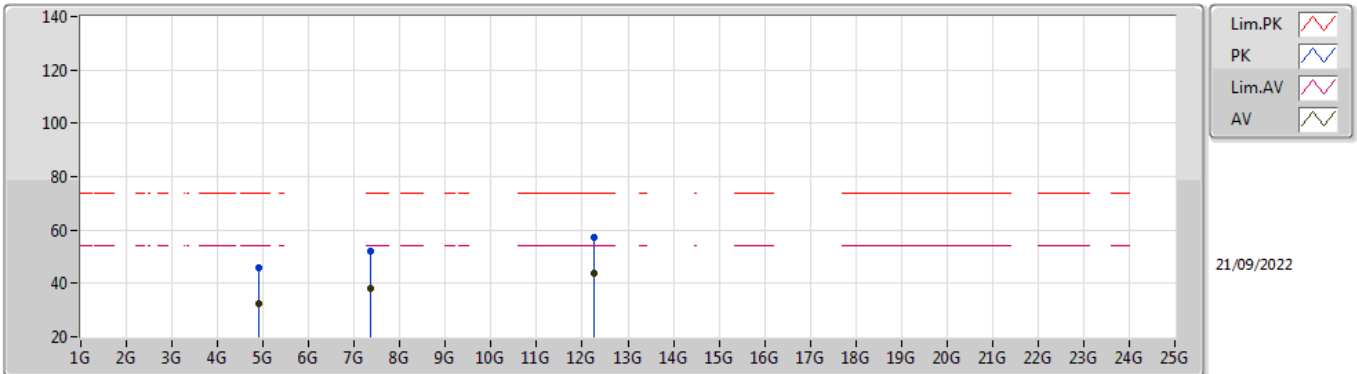


EUT_Z_4TX
Setting 82
06-E-S-5

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	4.91016G	46.52	74.00	-27.48	42.18	3	Vertical	148	1.80	-	31.42	5.40	32.48
AV	4.90396G	32.59	54.00	-21.41	28.26	3	Vertical	148	1.80	-	31.41	5.40	32.48
PK	7.34604G	52.47	74.00	-21.53	42.50	3	Vertical	190	1.80	-	36.70	6.75	33.48
AV	7.3522G	38.10	54.00	-15.90	28.14	3	Vertical	190	1.80	-	36.70	6.75	33.49
PK	12.26008G	57.80	74.00	-16.20	44.00	3	Vertical	38	1.75	-	38.92	9.57	34.69
AV	12.25684G	43.78	54.00	-10.22	29.98	3	Vertical	38	1.75	-	38.93	9.56	34.69

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX



EUT_Z_4TX
Setting 82
06-E-S-5

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	4.90268G	45.70	74.00	-28.30	41.37	3	Horizontal	6.2	1.80	-	31.41	5.40	32.48
AV	4.89872G	32.16	54.00	-21.84	27.85	3	Horizontal	6.2	1.80	-	31.40	5.40	32.49
PK	7.3538G	51.82	74.00	-22.18	41.86	3	Horizontal	263	1.80	-	36.70	6.75	33.49
AV	7.34672G	37.89	54.00	-16.11	27.92	3	Horizontal	263	1.80	-	36.70	6.75	33.48
PK	12.25568G	57.35	74.00	-16.65	43.55	3	Horizontal	46	2.68	-	38.93	9.56	34.69
AV	12.25588G	43.57	54.00	-10.43	29.77	3	Horizontal	46	2.68	-	38.93	9.56	34.69

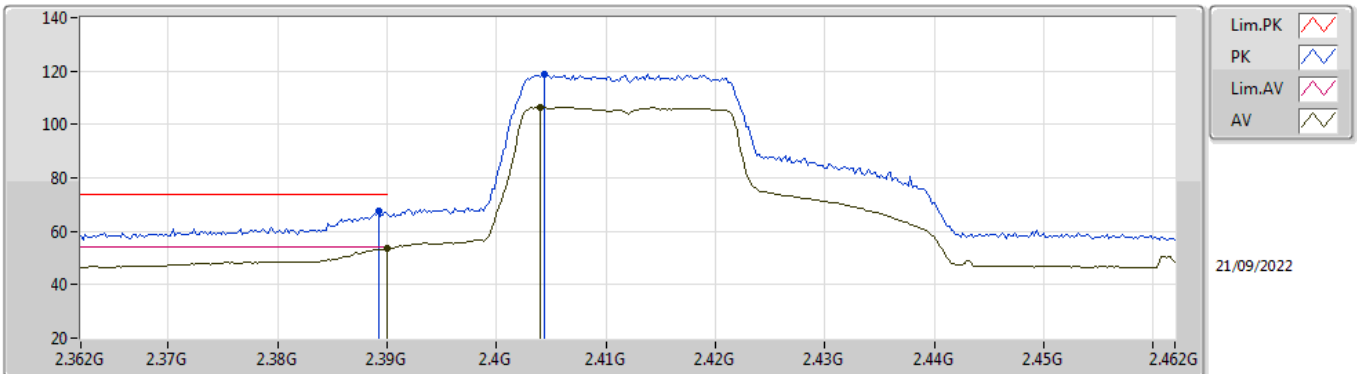


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	Pass	AV	2.4835G	53.93	54.00	-0.07	3	Vertical	141.9	2.64	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

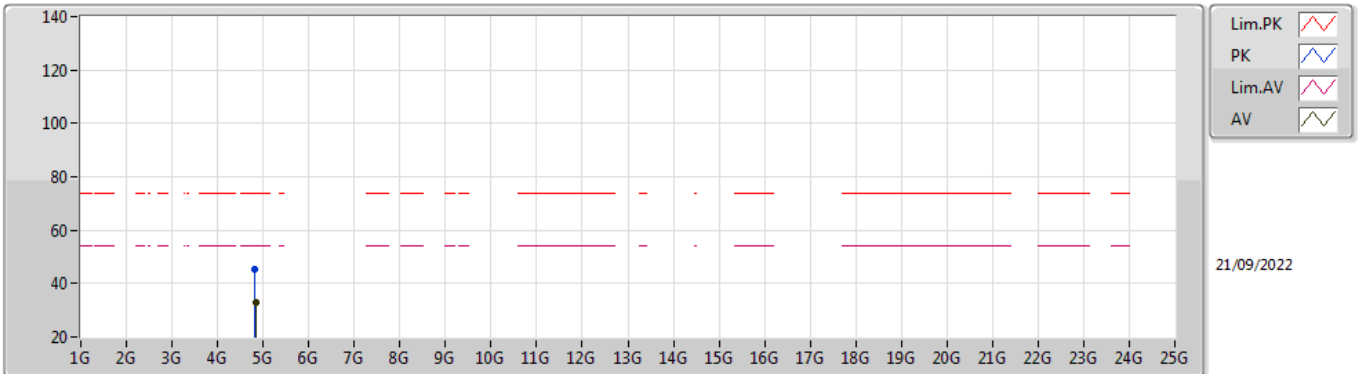


EUT_Z_4TX
Setting 73
06-E-S-5

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	67.33	74.00	-6.67	35.80	3	Vertical	124.8	2.45	-	27.64	3.89	-
AV	2.39G	53.81	54.00	-0.19	22.28	3	Vertical	124.8	2.45	-	27.64	3.89	-
PK	2.4044G	119.00	Inf	-Inf	87.50	3	Vertical	124.8	2.45	-	27.60	3.90	-
AV	2.404G	106.50	Inf	-Inf	75.00	3	Vertical	124.8	2.45	-	27.60	3.90	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

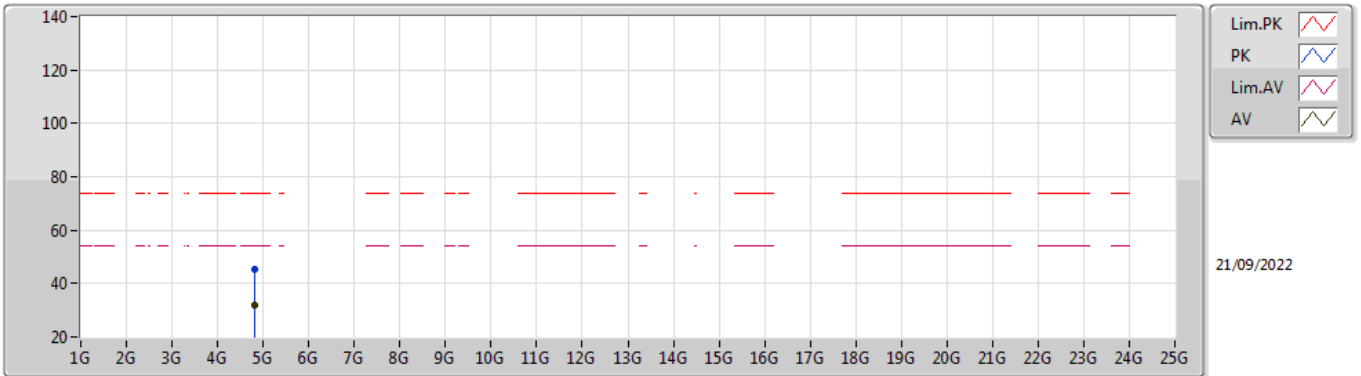


EUT_Z_4TX
Setting 73
06-E-S-5

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	4.82532G	45.48	74.00	-28.52	41.25	3	Vertical	268	1.56	-	31.35	5.40	32.52
AV	4.83372G	33.18	54.00	-20.82	28.93	3	Vertical	268	1.56	-	31.37	5.40	32.52

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

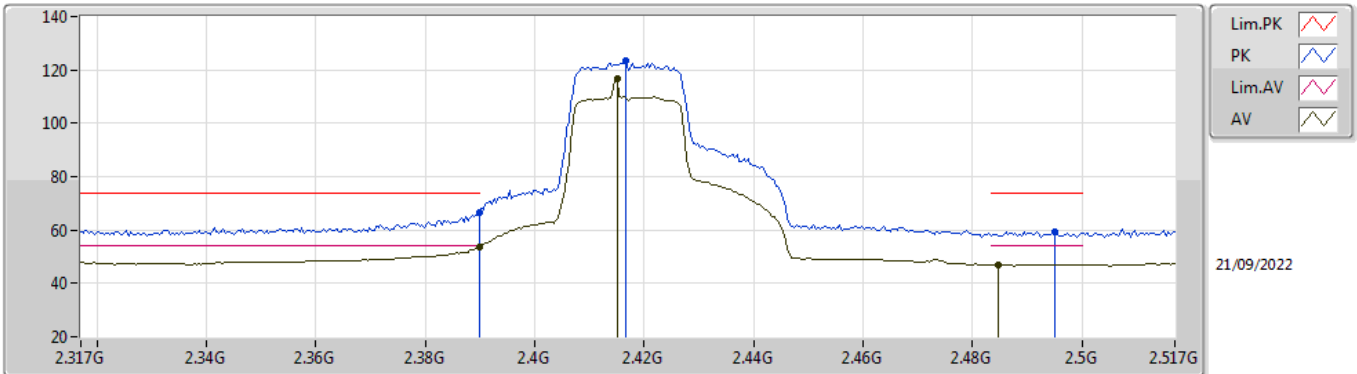


EUT_Z_4TX
Setting 73
06-E-S-5

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	4.81544G	45.39	74.00	-28.61	41.18	3	Horizontal	121	1.53	-	31.33	5.40	32.52
AV	4.82364G	32.01	54.00	-21.99	27.78	3	Horizontal	121	1.53	-	31.35	5.40	32.52

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2417MHz_TX

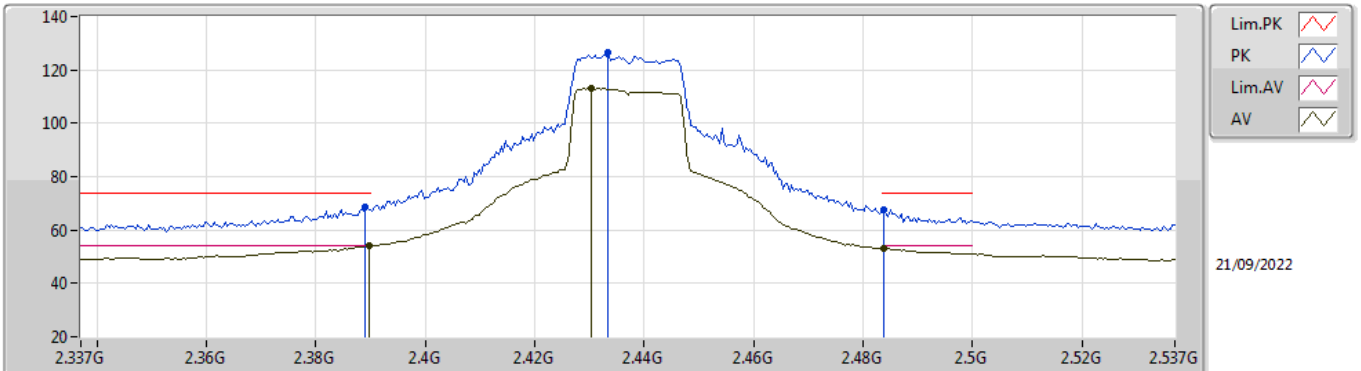


EUT_Z_4TX
Setting 90
06-E-S-5

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	66.49	74.00	-7.51	34.96	3	Vertical	301	1.69	-	27.64	3.89	-
AV	2.3898G	53.84	54.00	-0.16	22.31	3	Vertical	301	1.69	-	27.64	3.89	-
PK	2.4166G	123.48	Inf	-Inf	91.98	3	Vertical	301	1.69	-	27.60	3.90	-
AV	2.415G	116.84	Inf	-Inf	85.34	3	Vertical	301	1.69	-	27.60	3.90	-
PK	2.495G	59.54	74.00	-14.46	28.04	3	Vertical	301	1.69	-	27.60	3.90	-
AV	2.4846G	46.99	54.00	-7.01	15.49	3	Vertical	301	1.69	-	27.60	3.90	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

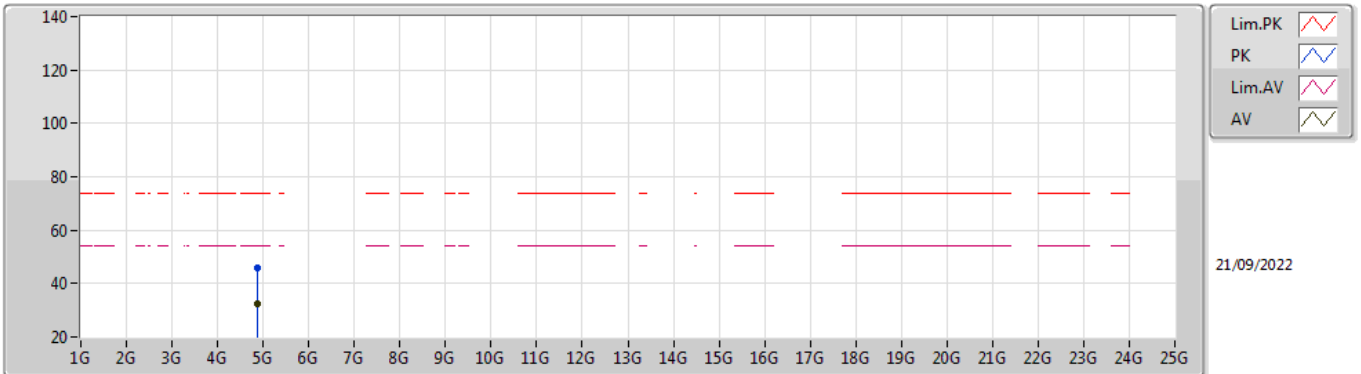


EUT_Z_4TX
Setting 100
06-E-S-5

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	68.65	74.00	-5.35	37.12	3	Vertical	243.6	2.26	-	27.64	3.89	-
AV	2.3898G	53.89	54.00	-0.11	22.36	3	Vertical	243.6	2.26	-	27.64	3.89	-
PK	2.4334G	126.46	Inf	-Inf	94.96	3	Vertical	243.6	2.26	-	27.60	3.90	-
AV	2.4302G	113.04	Inf	-Inf	81.54	3	Vertical	243.6	2.26	-	27.60	3.90	-
PK	2.4838G	67.67	74.00	-6.33	36.17	3	Vertical	243.6	2.26	-	27.60	3.90	-
AV	2.4838G	53.05	54.00	-0.95	21.55	3	Vertical	243.6	2.26	-	27.60	3.90	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

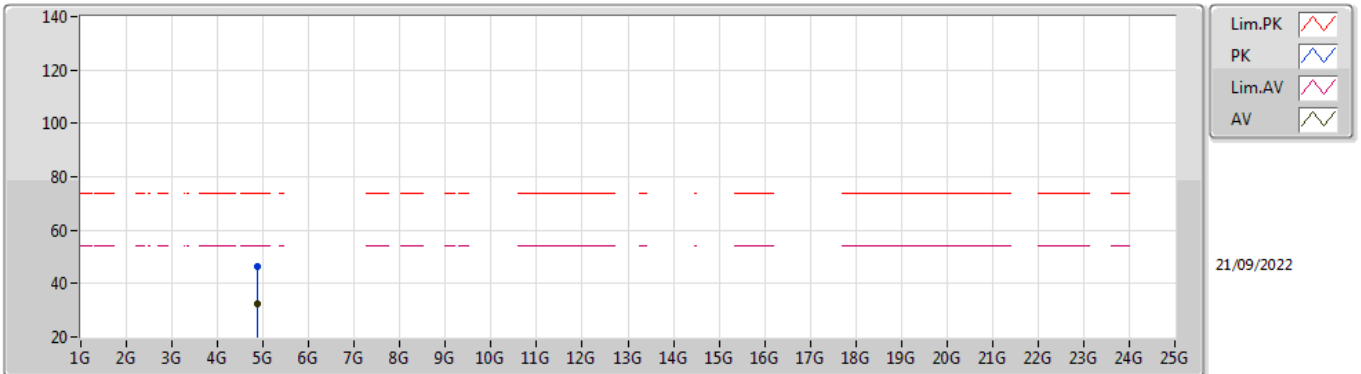


EUT_Z_4TX
Setting 100
06-E-S-5

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	4.8734G	46.04	74.00	-27.96	41.74	3	Vertical	55	1.83	-	31.40	5.40	32.50
AV	4.87344G	32.28	54.00	-21.72	27.98	3	Vertical	55	1.83	-	31.40	5.40	32.50

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

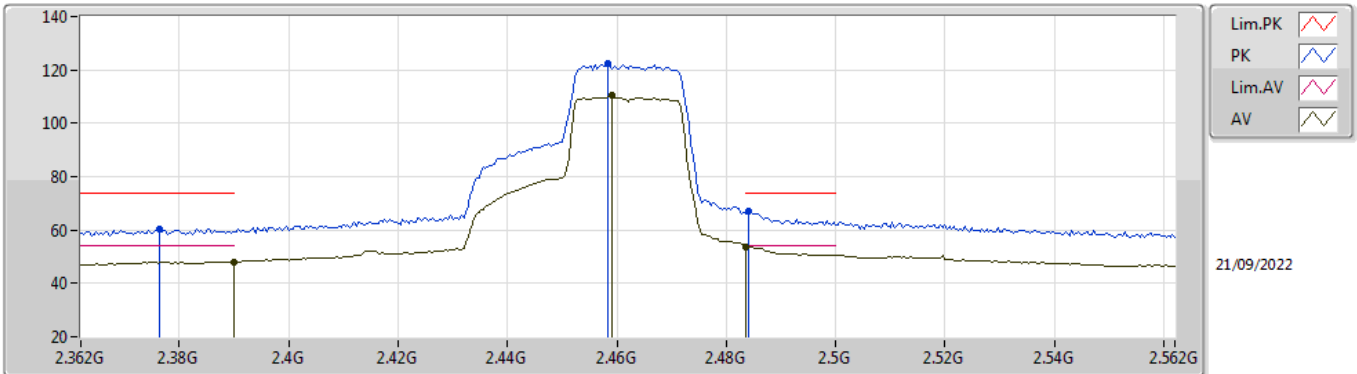


EUT_Z_4TX
Setting 100
06-E-S-5

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	4.87508G	46.21	74.00	-27.79	41.91	3	Horizontal	106	2.64	-	31.40	5.40	32.50
AV	4.87624G	32.27	54.00	-21.73	27.97	3	Horizontal	106	2.64	-	31.40	5.40	32.50

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

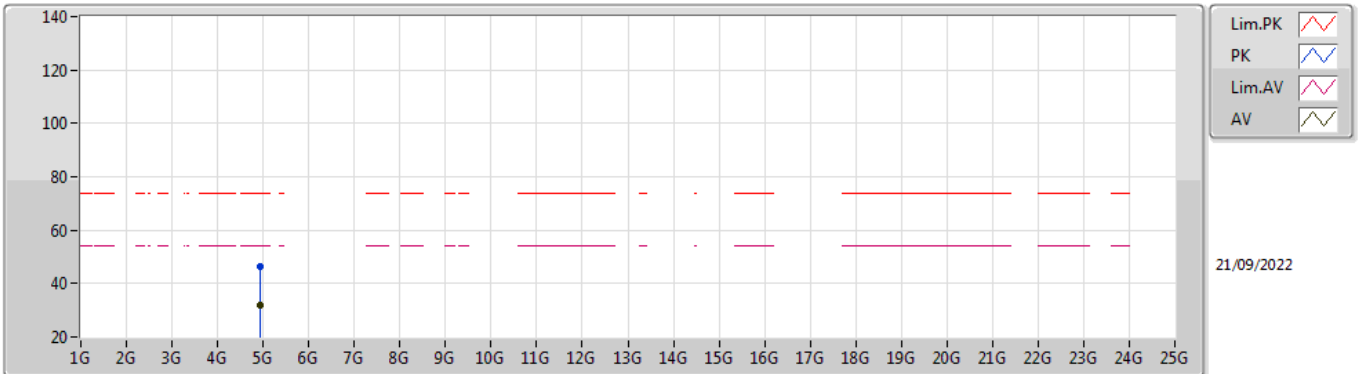


EUT_Z_4TX
Setting 90
06-E-S-5

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	2.3764G	60.57	74.00	-13.43	29.00	3	Vertical	141.6	2.44	-	27.69	3.88	-
AV	2.39G	48.14	54.00	-5.86	16.61	3	Vertical	141.6	2.44	-	27.64	3.89	-
PK	2.4584G	122.30	Inf	-Inf	90.80	3	Vertical	141.6	2.44	-	27.60	3.90	-
AV	2.4592G	110.75	Inf	-Inf	79.25	3	Vertical	141.6	2.44	-	27.60	3.90	-
PK	2.484G	67.16	74.00	-6.84	35.66	3	Vertical	141.6	2.44	-	27.60	3.90	-
AV	2.4835G	53.87	54.00	-0.13	22.37	3	Vertical	141.6	2.44	-	27.60	3.90	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

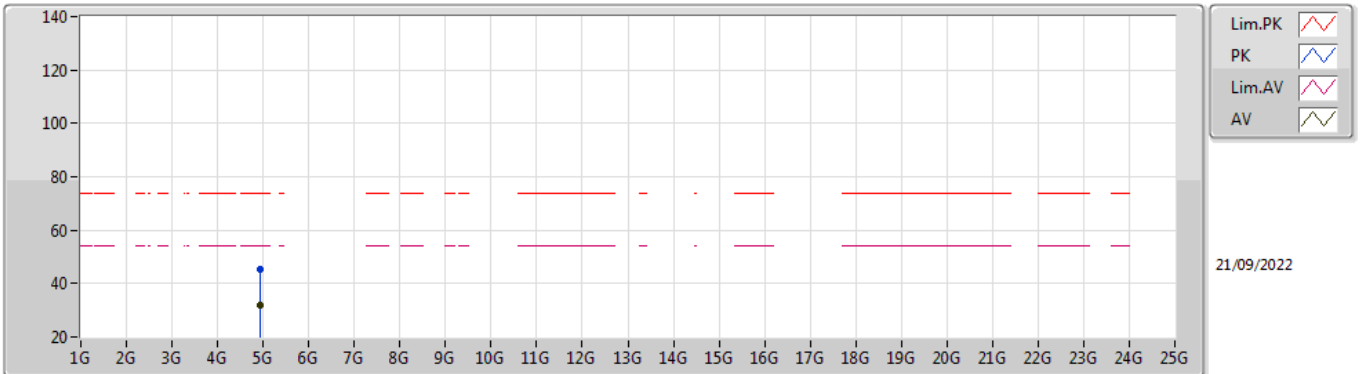


EUT_Z_4TX
Setting 90
06-E-S-5

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	4.9218G	46.58	74.00	-27.42	42.22	3	Vertical	359	2.09	-	31.44	5.40	32.48
AV	4.92658G	31.77	54.00	-22.23	27.39	3	Vertical	359	2.09	-	31.45	5.40	32.47

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

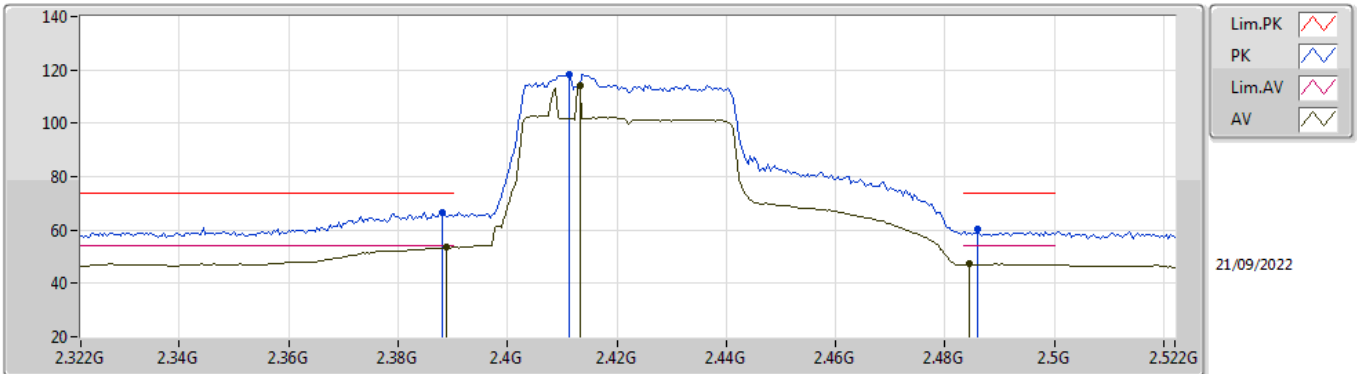


EUT_Z_4TX
Setting 90
06-E-S-5

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	4.92112G	45.49	74.00	-28.51	41.13	3	Horizontal	172	3.00	-	31.44	5.40	32.48
AV	4.92898G	31.75	54.00	-22.25	27.36	3	Horizontal	172	3.00	-	31.46	5.40	32.47

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

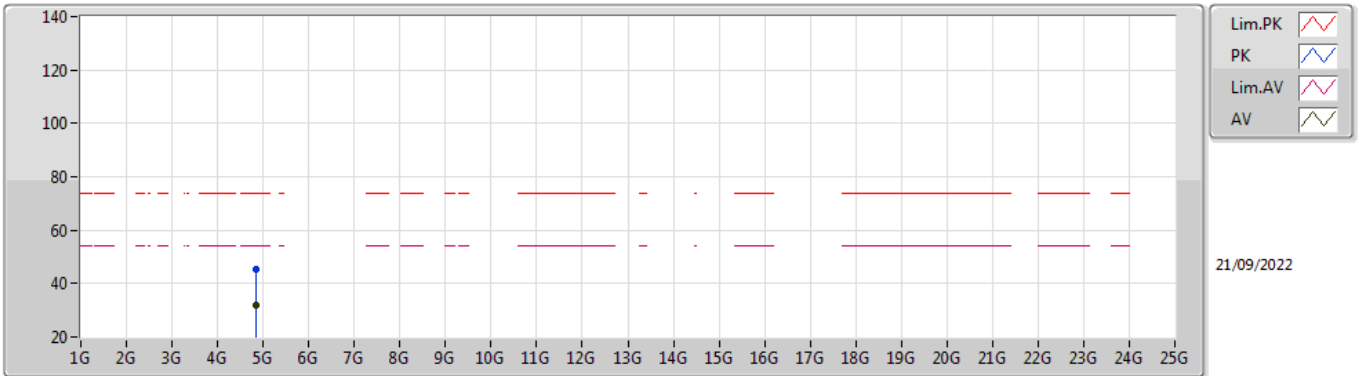


EUT_Z_4TX
Setting 70
06-E-S-5

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	2.388G	66.75	74.00	-7.25	35.21	3	Vertical	129	2.41	-	27.65	3.89	-
AV	2.3888G	53.80	54.00	-0.20	22.27	3	Vertical	129	2.41	-	27.64	3.89	-
PK	2.4112G	118.11	Inf	-Inf	86.61	3	Vertical	129	2.41	-	27.60	3.90	-
AV	2.4132G	114.21	Inf	-Inf	82.71	3	Vertical	129	2.41	-	27.60	3.90	-
PK	2.486G	60.25	74.00	-13.75	28.75	3	Vertical	129	2.41	-	27.60	3.90	-
AV	2.4844G	47.22	54.00	-6.78	15.72	3	Vertical	129	2.41	-	27.60	3.90	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

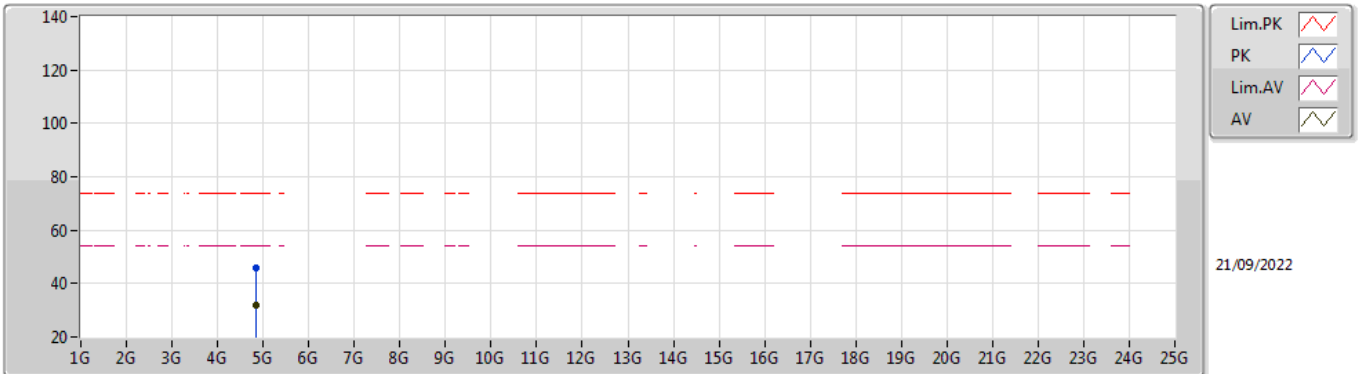


EUT_Z_4TX
Setting 70
06-E-S-5

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	4.84028G	45.21	74.00	-28.79	40.94	3	Vertical	140	2.51	-	31.38	5.40	32.51
AV	4.83988G	31.88	54.00	-22.12	27.61	3	Vertical	140	2.51	-	31.38	5.40	32.51

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

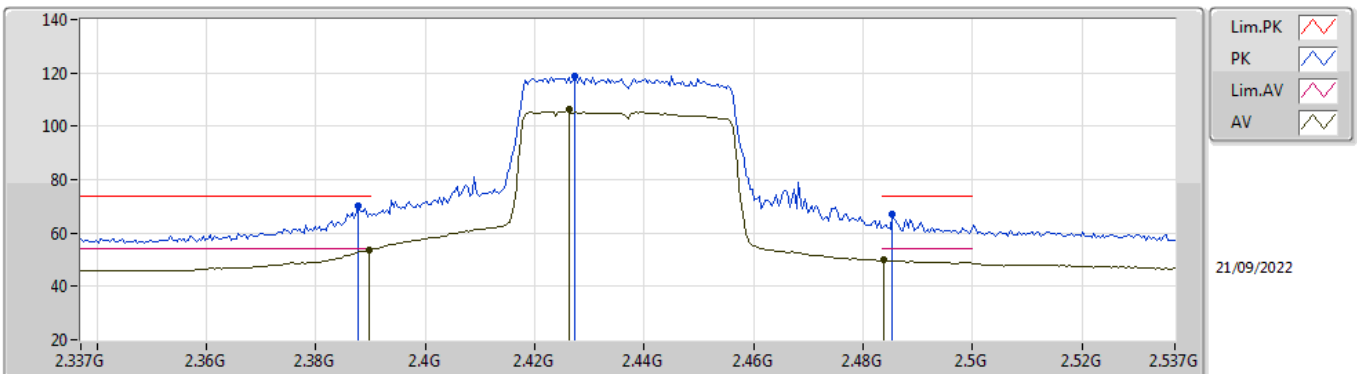


EUT_Z_4TX
Setting 70
06-E-S-5

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	4.84856G	45.82	74.00	-28.18	41.53	3	Horizontal	5	1.45	-	31.40	5.40	32.51	
AV	4.84272G	31.84	54.00	-22.16	27.56	3	Horizontal	5	1.45	-	31.39	5.40	32.51	

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

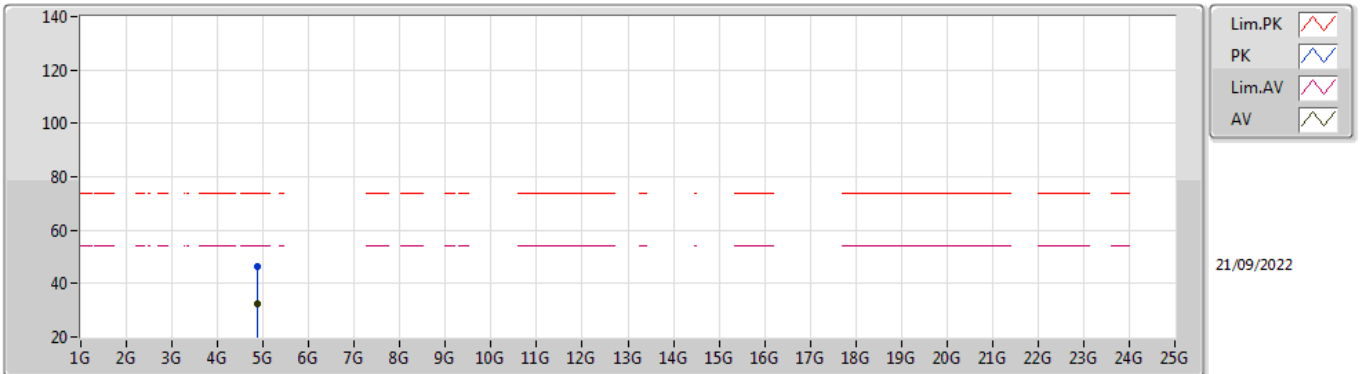


EUT_Z_4TX
Setting 77
06-E-S-5

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	69.98	74.00	-4.02	38.44	3	Vertical	56.7	2.77	-	27.65	3.89	-
AV	2.3898G	53.81	54.00	-0.19	22.28	3	Vertical	56.7	2.77	-	27.64	3.89	-
PK	2.4274G	118.87	Inf	-Inf	87.37	3	Vertical	56.7	2.77	-	27.60	3.90	-
AV	2.4262G	106.23	Inf	-Inf	74.73	3	Vertical	56.7	2.77	-	27.60	3.90	-
PK	2.4854G	67.19	74.00	-6.81	35.69	3	Vertical	56.7	2.77	-	27.60	3.90	-
AV	2.4838G	49.76	54.00	-4.24	18.26	3	Vertical	56.7	2.77	-	27.60	3.90	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

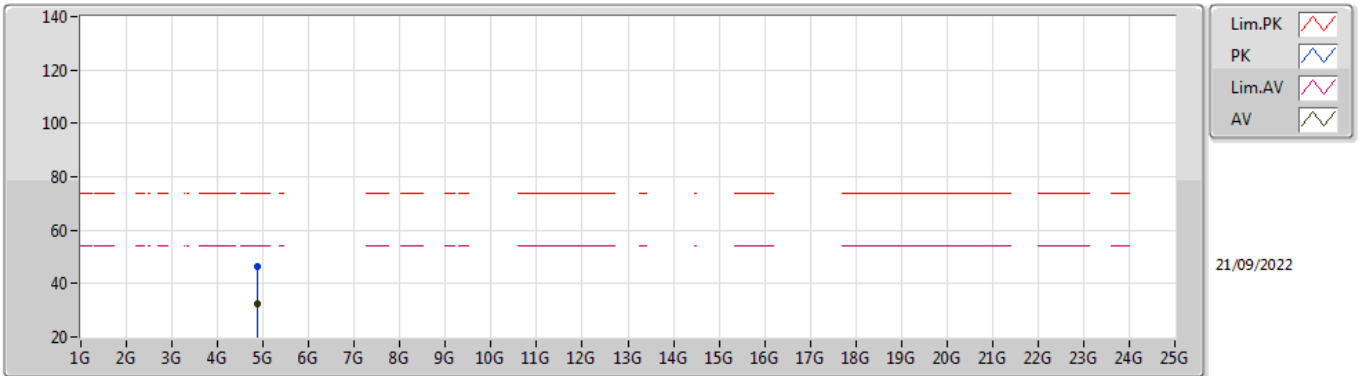


EUT_Z_4TX
Setting 77
06-E-S-5

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	4.87706G	46.13	74.00	-27.87	41.83	3	Vertical	34	2.09	-	31.40	5.40	32.50
AV	4.87646G	32.20	54.00	-21.80	27.90	3	Vertical	34	2.09	-	31.40	5.40	32.50

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

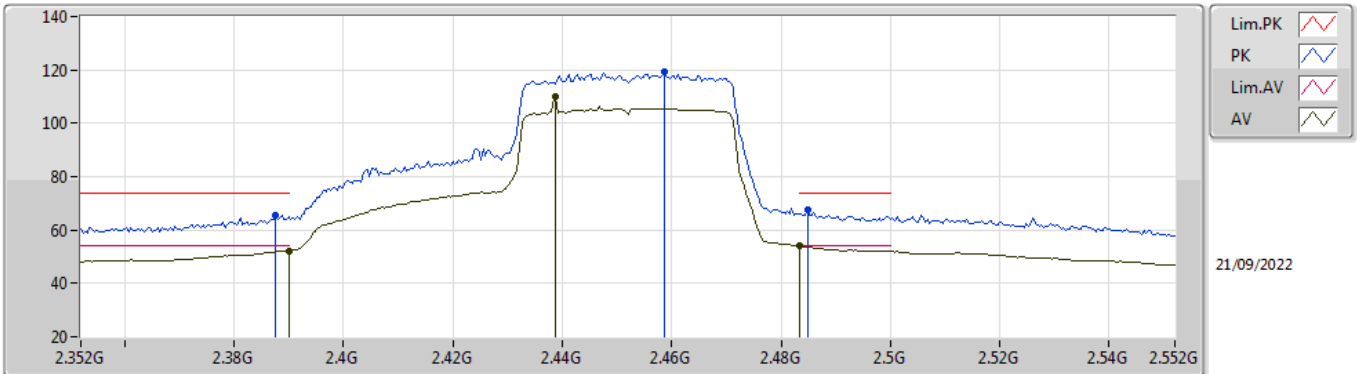


EUT_Z_4TX
Setting 77
06-E-S-5

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	4.87338G	46.58	74.00	-27.42	42.28	3	Horizontal	291	2.59	-	31.40	5.40	32.50
AV	4.87326G	32.21	54.00	-21.79	27.91	3	Horizontal	291	2.59	-	31.40	5.40	32.50

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

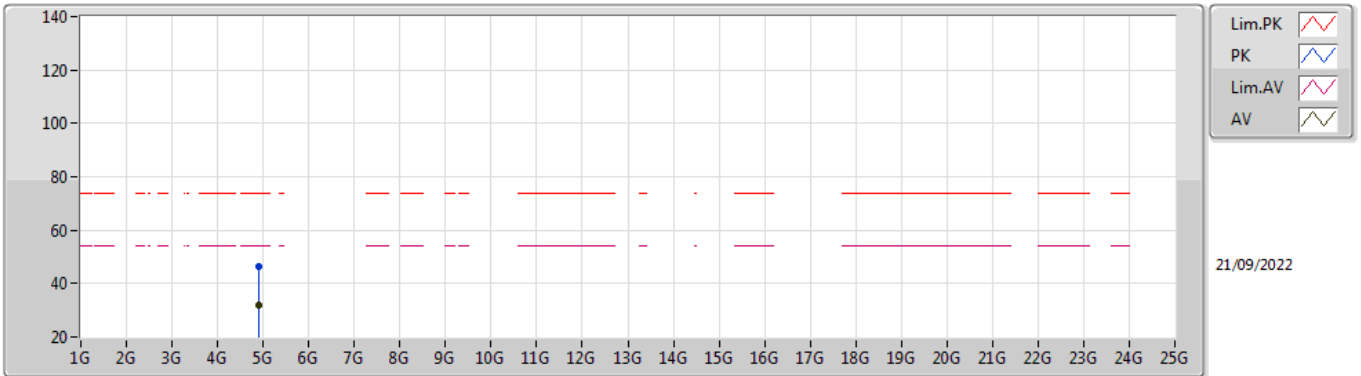


EUT_Z_4TX
Setting 85
06-E-S-5

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	65.37	74.00	-8.63	33.83	3	Vertical	141.9	2.64	-	27.65	3.89	-
AV	2.39G	52.31	54.00	-1.69	20.78	3	Vertical	141.9	2.64	-	27.64	3.89	-
PK	2.4588G	119.37	Inf	-Inf	87.87	3	Vertical	141.9	2.64	-	27.60	3.90	-
AV	2.4388G	109.87	Inf	-Inf	78.37	3	Vertical	141.9	2.64	-	27.60	3.90	-
PK	2.4848G	67.54	74.00	-6.46	36.04	3	Vertical	141.9	2.64	-	27.60	3.90	-
AV	2.4835G	53.93	54.00	-0.07	22.43	3	Vertical	141.9	2.64	-	27.60	3.90	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

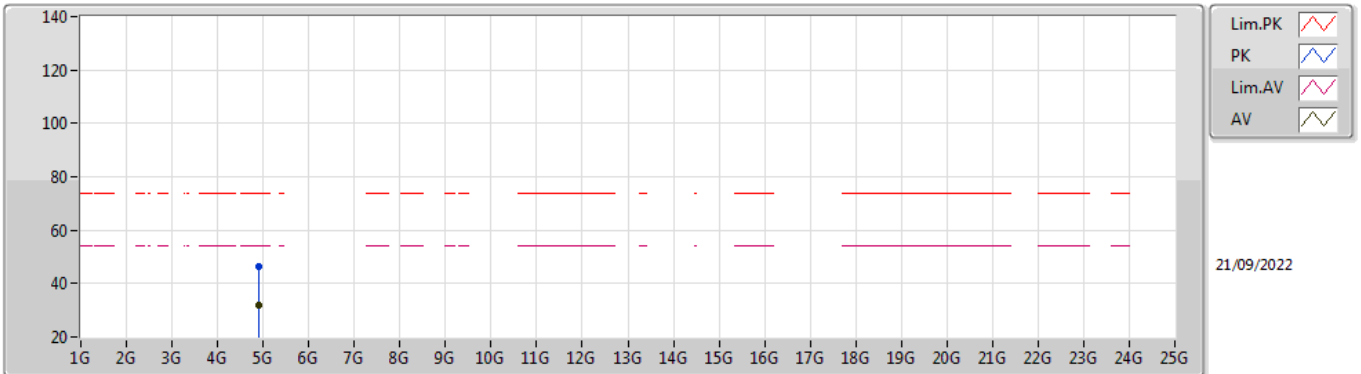


EUT_Z_4TX
Setting 90
06-E-S-5

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	4.90174G	46.18	74.00	-27.82	41.87	3	Vertical	7	2.41	-	31.40	5.40	32.49
AV	4.90194G	31.99	54.00	-22.01	27.68	3	Vertical	7	2.41	-	31.40	5.40	32.49

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX



EUT_Z_4TX
Setting 90
06-E-S-5

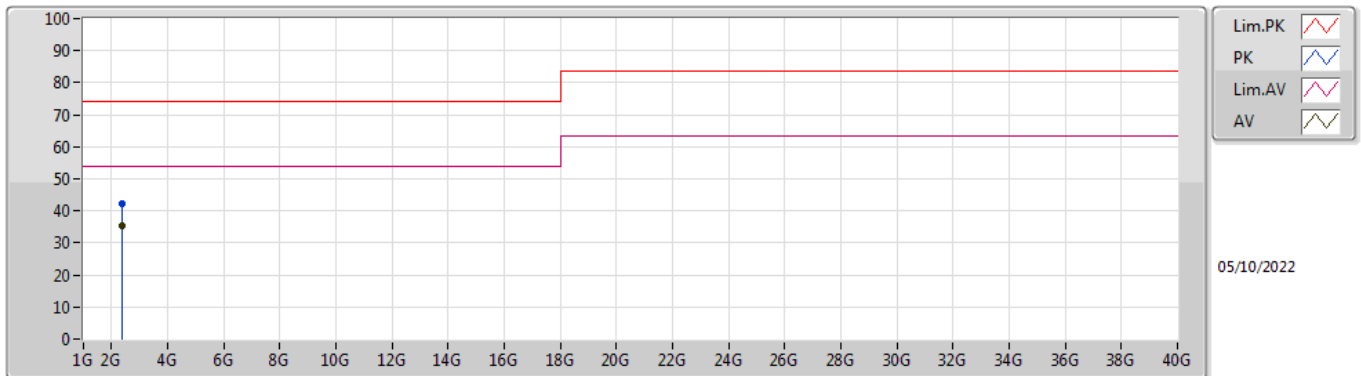
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90414G	46.41	74.00	-27.59	42.08	3	Horizontal	229	2.43	-	31.41	5.40	32.48
AV	4.89924G	31.93	54.00	-22.07	27.62	3	Horizontal	229	2.43	-	31.40	5.40	32.49



Summary

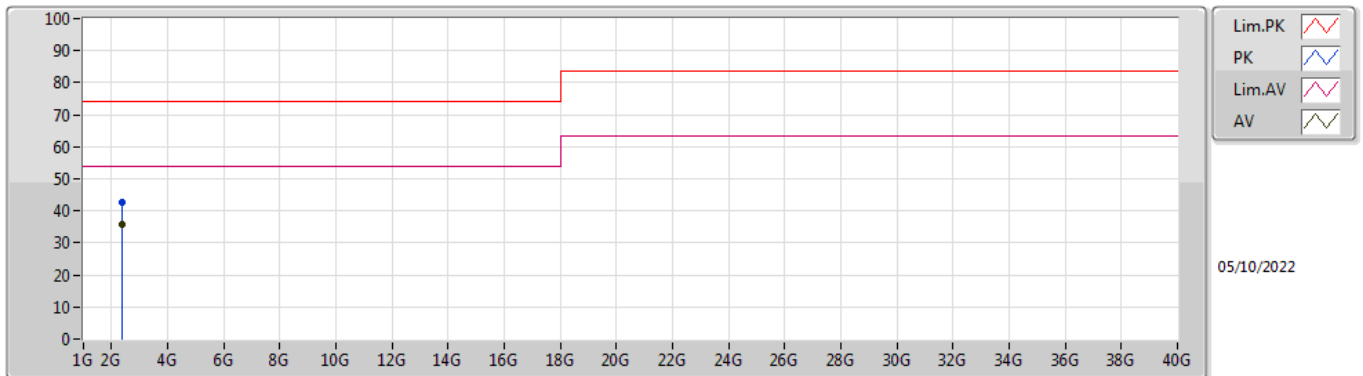
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.40008G	35.91	54.00	-18.09	Horizontal

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	2.39987G	42.22	74.00	-31.78	-4.63	3	Vertical	353	1.95	-	46.85	27.40	4.40	36.43
AV	2.39981G	35.42	54.00	-18.58	-4.63	3	Vertical	353	1.95	"Worst"	40.05	27.40	4.40	36.43

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	2.39986G	42.65	74.00	-31.35	-4.63	3	Horizontal	320	1.87	-	47.28	27.40	4.40	36.43
AV	2.40008G	35.91	54.00	-18.09	-4.63	3	Horizontal	320	1.87	"Worst"	40.54	27.40	4.40	36.43