



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 Jul. 18, 2023, and testing was started from Jul. 19, 2023 and completed on Sep. 26, 2023. 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 variant 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	11
2.3 EUT Operation during Test	11
2.4 Accessories	12
2.5 Support Equipment.....	12
2.6 Test Setup Diagram	13
3 Transmitter Test Result	15
3.1 DTS Bandwidth.....	15
3.2 Maximum Conducted Output Power	16
3.3 Power Spectral Density	19
3.4 Emissions in Non-restricted Frequency Bands	21
3.5 Emissions in Restricted Frequency Bands.....	22
4 Test Equipment and Calibration Data	26
Appendix A. Test Results of DTS Bandwidth	
Appendix B. Test Results of Maximum Conducted Output Power	
Appendix C. Test Results of Power Spectral Density	
Appendix D. Test Results of Emissions in Non-restricted Frequency Bands	
Appendix E. Test Results of Emissions in Restricted Frequency Bands	
Appendix F. Test Photos	
Photographs of EUT v01	



History of this test report

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

Page Number : 3 of 28
Issued Date : Oct. 03, 2023
Report Version : 01



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	15.247(a)	DTS Bandwidth	PASS	-
3.2	15.247(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(e)	Power Spectral Density	PASS	-
3.4	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.5	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

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-BF	20	4TX
2.4-2.4835GHz	802.11ac VHT20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11n HT40-BF	40	4TX
2.4-2.4835GHz	802.11ac VHT40-BF	40	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	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

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.962	0.17	12.425m	100
802.11g	0.947	0.24	2.064m	1k
802.11ax HEW20-BF	0.949	0.23	2.925m	1k
802.11ax HEW40-BF	0.961	0.17	4.358m	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 ver 3.2.1.4		

Note: The above information was declared by manufacturer.

1.1.5 Table for Components Source Information

Source	Transformer (2.5G WAN)			Transformer Method
	Brand	Model	Rate	
Main	Broadcom	BCM54991E	2.5Gbps/1Gbps/100Mbps	SMD
Second	MAXLINEAR	GPY211	2.5Gbps/1Gbps/100Mbps/10Mbps	DIP
Third	Broadcom	BCM50991EL	2.5Gbps/1Gbps/100Mbps	N/A

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Combination

EUT	Transformer (2.5G WAN)	Front End Module of 2.4GHz	Transformer Method	EUT Version
1	Main	Main	Main	R2.10
2	Second	Main	Main	R2.00
3	Third	Second	Second	R3.10

Note 1: The above information was declared by manufacturer.

Note 2: Please refer to the photograph of EUT for detailed differences for Front End Module of 2.4GHz.

**1.1.7 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.

1.1.8 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR290613AA

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Adding the EUT 3 (The difference with EUT 2 is using the third source of Transformer (2.5G WAN), second source of Front End Module of 2.4GHz and Transformer Method of DIP (Please refer to section 1.1.5 and 1.1.6 for detail information).	1. DTS Bandwidth test. 2. Maximum Conducted Output Power test. 3. Power Spectral Density test. 4. Emissions in Non-restricted Frequency Bands test. 5. Emissions in Restricted Frequency Bands test.



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	TH01-CB	Mason Chen	24.2-24.6 / 61-67	Jul. 24, 2023~Sep. 22, 2023
Radiated below 1GHz	03CH06-CB	George Fan	22.4-23.5 / 55-58	Jul. 19, 2023~Sep. 26, 2023
Radiated above 1GHz	03CH01-CB		22.7-23.8 / 56-59	
	03CH02-CB		21.2-22.3 / 56-59	
	03CH04-CB		22-23 / 56-59	
	03CH06-CB		22.4-23.5 / 55-58	

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
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	84
2417MHz	95
2437MHz	96
2462MHz	88
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	82
2437MHz	93
2457MHz	93
2462MHz	78
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	72
2417MHz	79
2437MHz	89
2457MHz	82
2462MHz	66
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	68
2437MHz	71
2452MHz	68
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-
2412MHz	72
2417MHz	81
2437MHz	91
2457MHz	82
2462MHz	72
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-
2422MHz	67
2437MHz	77
2447MHz	66
2452MHz	64

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	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 3

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 According to the original test report, "EUT in Z axis + Adapter 3 / WLAN 2.4 GHz" has been evaluated to be the worst case, so the measurement will follow this same test configuration.
1	EUT 3 in Z axis + Adapter 3 / WLAN 2.4 GHz
Operating Mode > 1GHz	CTX According to the original test report, "EUT in Z axis" has been evaluated to be the worst case, so the measurement will follow this same test configuration.
1	EUT 3 in Z axis

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.: FA290613-02 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



2.4 Accessories

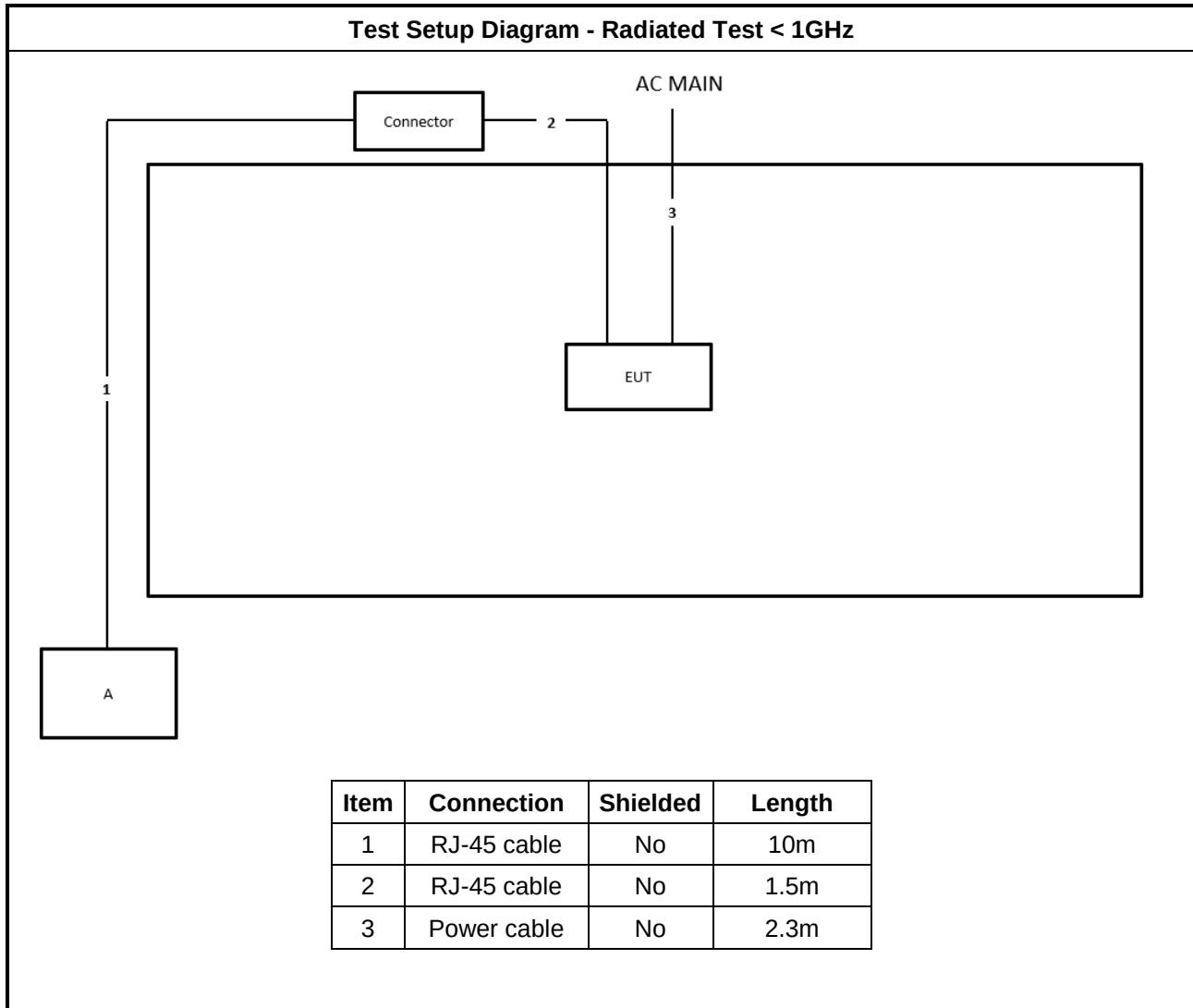
Accessories				
Equipment Name	Brand Name	Model Name	Rating	Power Line
Adapter 1	AcBel	ADH011	Input: 100-240V~1.4A, 50-60Hz Output: 19.5V, 2.31A, 45.0W MAX	With the DC Power cable: Non-shielded, 1.5m
Adapter 2	AcBel	ADH011	Input: 100-240V~1.4A, 50-60Hz Output: 19.5V, 2.31A, 45.0W MAX	With the DC Power 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				

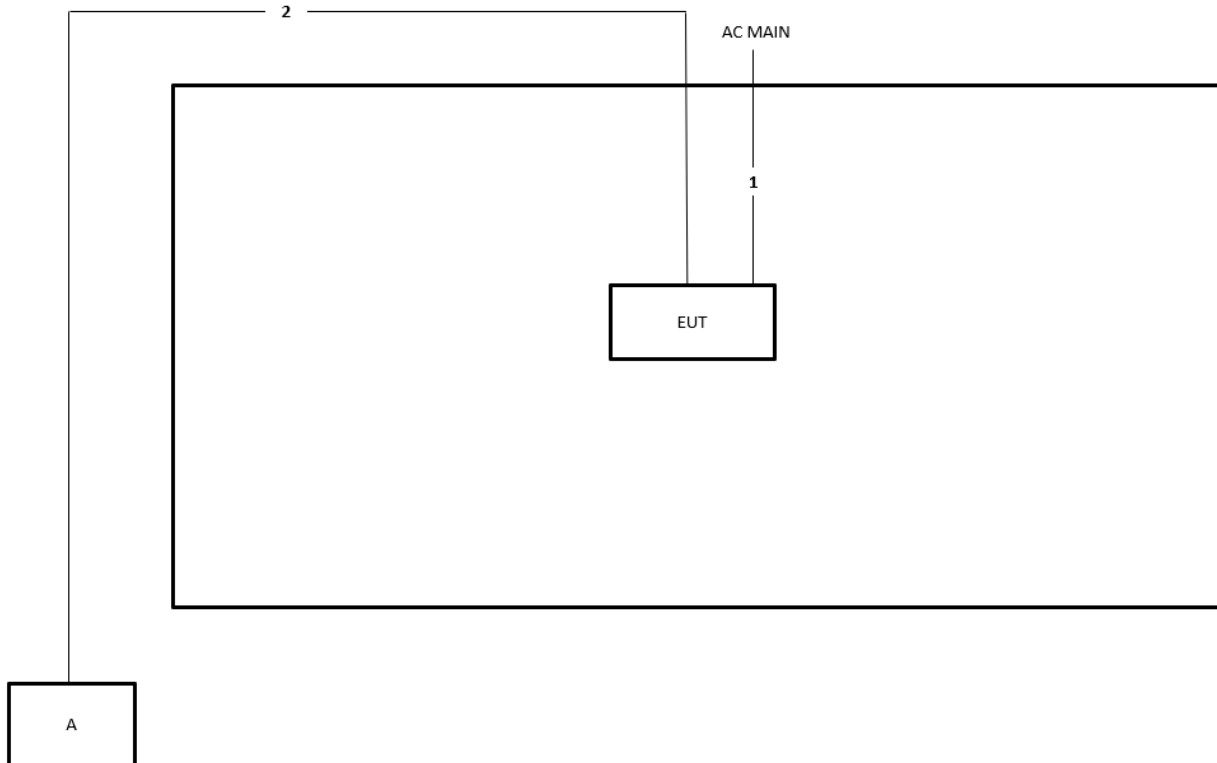
Note: The Adapter 1 and 2 are identical except for the product number.

2.5 Support Equipment

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

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test > 1GHz


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

3 Transmitter Test Result

3.1 DTS Bandwidth

3.1.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
6 dB bandwidth $\geq$ 500 kHz.

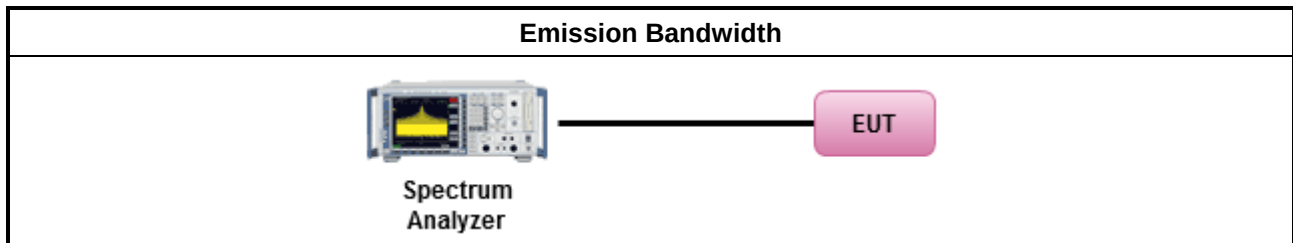
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.	

3.2.2 Measuring Instruments

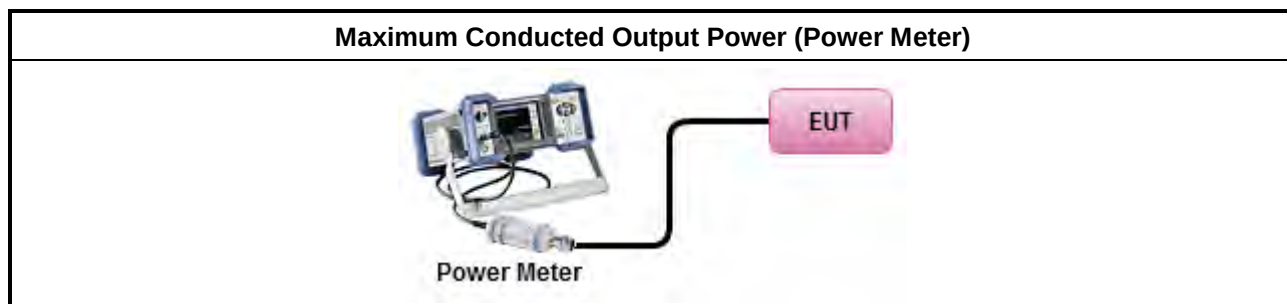
Refer a test equipment and calibration data table in this test report.



3.2.3 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]) $EIRP_{total} = P_{total} + DG$	

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B



3.3 Power Spectral Density

3.3.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

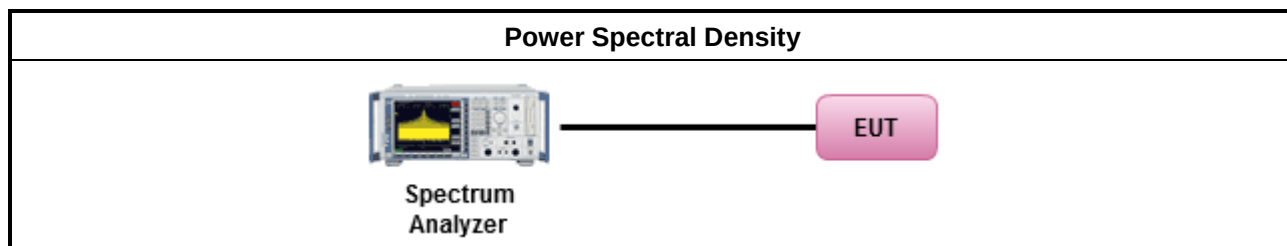
3.3.2 Measuring Instruments

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

3.3.3 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.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Emissions in Non-restricted Frequency Bands

3.4.1 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.	

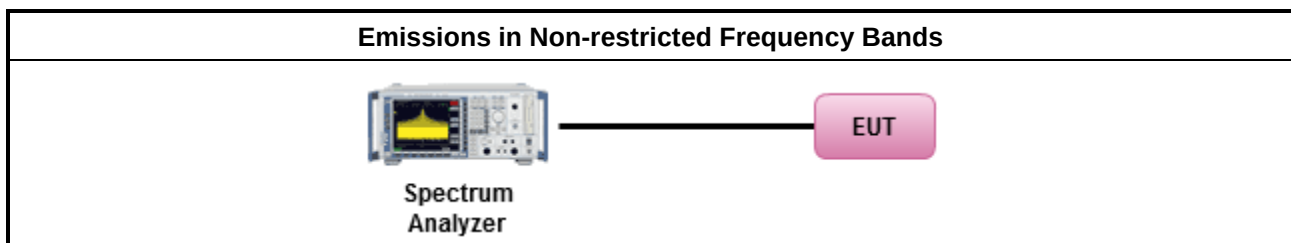
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.4.4 Test Setup



3.4.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.5 Emissions in Restricted Frequency Bands

3.5.1 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.

3.5.2 Measuring Instruments

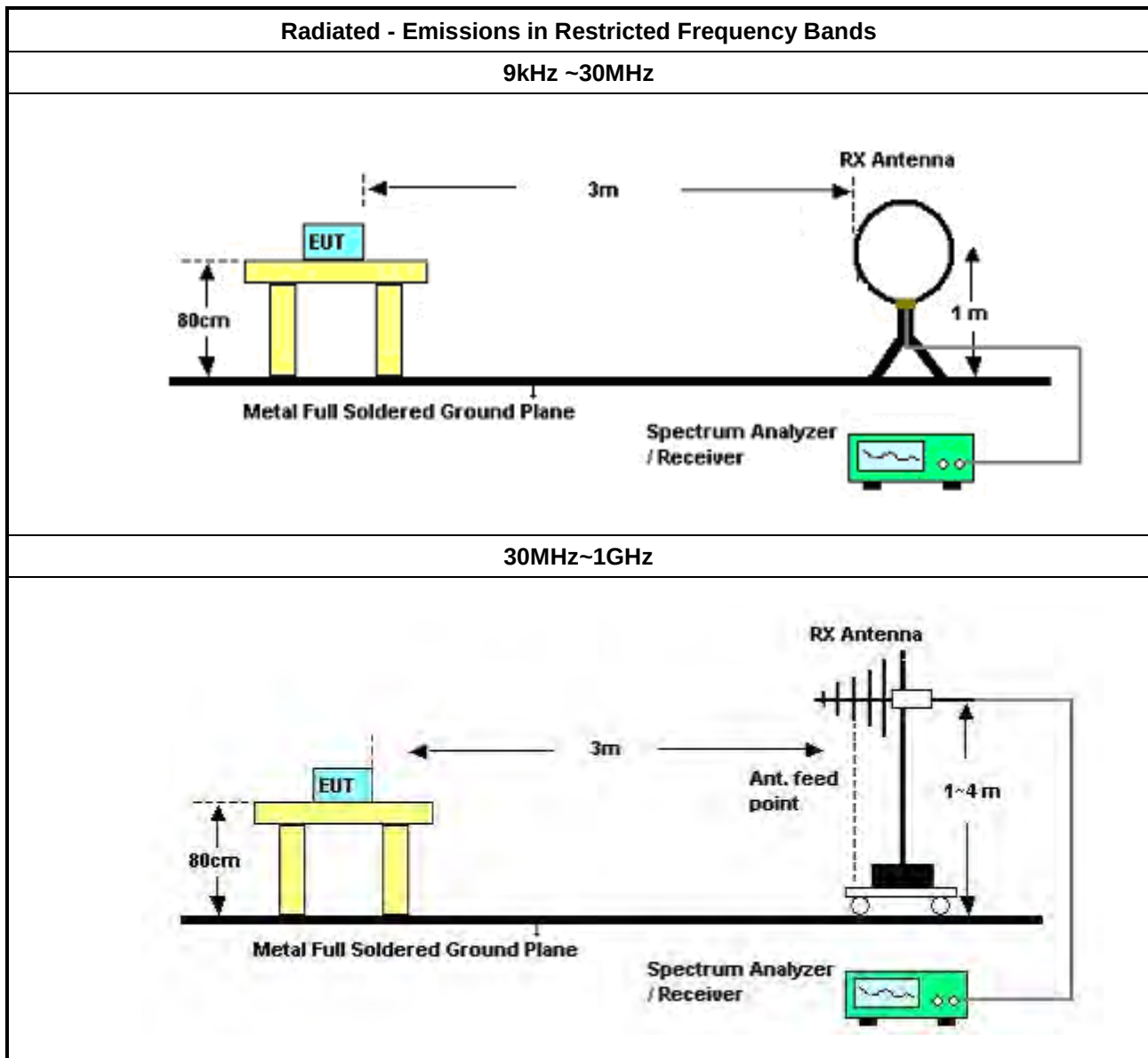
Refer a test equipment and calibration data table in this test report.

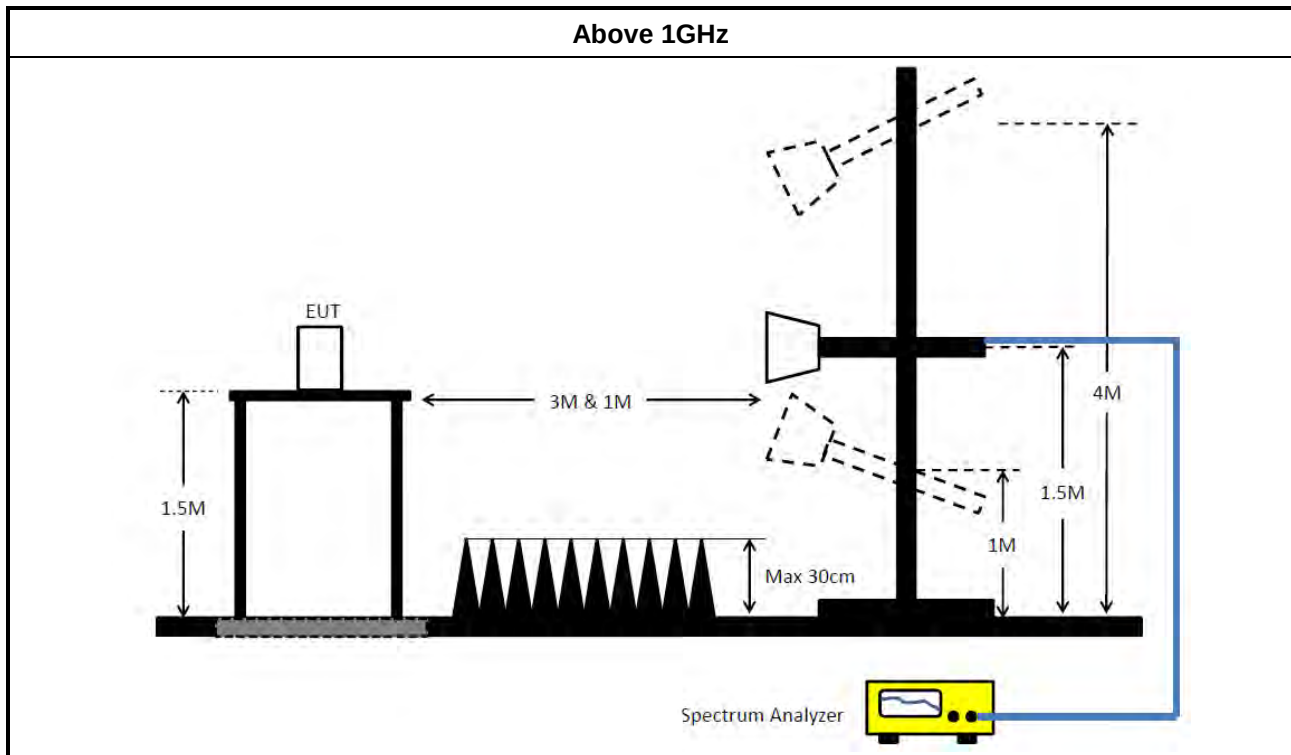


3.5.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
	▪ For the transmitter band-edge emissions shall be measured using following options below:
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.5.4 Test Setup





3.5.5 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.

3.5.6 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.

3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 04, 2022	Aug. 03, 2023	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 03, 2023	Aug. 02, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMC	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 31, 2022	Jul. 30, 2023	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMC	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 30, 2023	Jul. 29, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-68	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

N.C.R means Non-Calibration required.

Summary

Mode	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	7.325M	10.448M	10M4G1D	6.125M	10.204M
802.11g_Nss1,(6Mbps)_4TX	16.575M	16.988M	17M0D1D	16.35M	16.494M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.225M	19.163M	19M2D1D	18.925M	18.955M
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	19.2M	19.238M	19M2D1D	18.3M	18.958M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38.15M	37.781M	37M8D1D	37.75M	37.581M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	38.05M	37.858M	37M9D1D	37.1M	37.471M

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

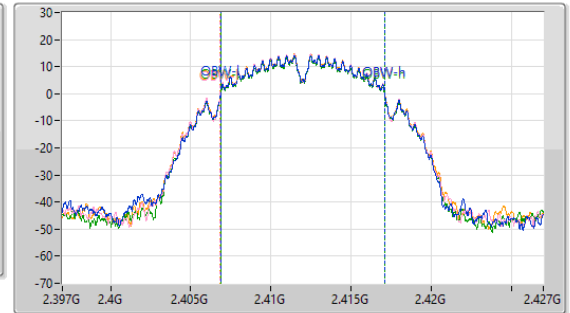
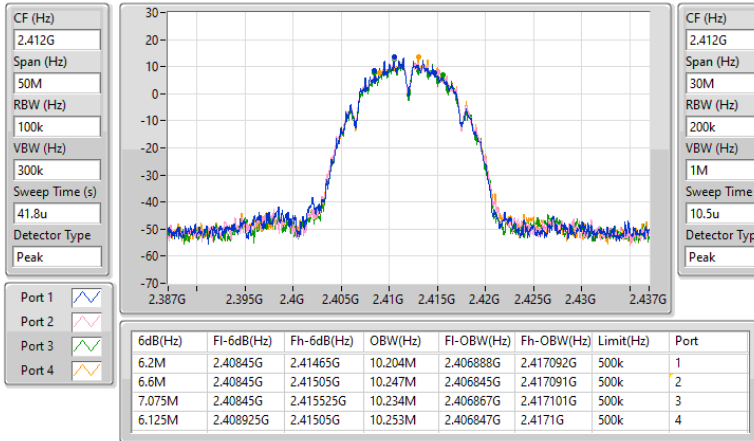
Result

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	6.2M	10.204M	6.6M	10.247M	7.075M	10.234M	6.125M	10.253M
2437MHz	Pass	500k	6.325M	10.219M	7.025M	10.262M	6.6M	10.448M	7.075M	10.284M
2462MHz	Pass	500k	7.075M	10.224M	6.775M	10.255M	7.325M	10.281M	7.15M	10.269M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.475M	16.878M	16.55M	16.729M	16.45M	16.731M	16.35M	16.829M
2437MHz	Pass	500k	16.575M	16.679M	16.575M	16.941M	16.475M	16.494M	16.5M	16.586M
2462MHz	Pass	500k	16.55M	16.719M	16.55M	16.664M	16.525M	16.765M	16.425M	16.988M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.163M	19.15M	19.031M	19.075M	19.05M	19.125M	19.049M
2437MHz	Pass	500k	19.075M	19.033M	19.225M	19.105M	18.925M	18.965M	19.05M	18.955M
2462MHz	Pass	500k	19.15M	18.959M	19.1M	19.095M	19M	19.035M	19.025M	19.027M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	38.05M	37.708M	37.95M	37.598M	37.85M	37.696M	37.95M	37.657M
2437MHz	Pass	500k	38.05M	37.731M	37.75M	37.581M	37.9M	37.681M	38.15M	37.631M
2452MHz	Pass	500k	38.05M	37.781M	38.1M	37.731M	38.05M	37.781M	37.8M	37.731M
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.025M	18.982M	19.05M	19.075M	19.025M	19.005M	19.125M	19.064M
2437MHz	Pass	500k	18.775M	18.958M	19.2M	19.052M	18.95M	18.976M	18.95M	19.102M
2462MHz	Pass	500k	19.125M	18.991M	18.3M	19.238M	19.125M	19.086M	19.175M	19.071M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.85M	37.78M	38M	37.759M	37.85M	37.827M	37.95M	37.838M
2437MHz	Pass	500k	38M	37.511M	38.05M	37.671M	37.8M	37.471M	38.05M	37.747M
2452MHz	Pass	500k	37.95M	37.822M	37.1M	37.778M	37.8M	37.858M	37.85M	37.689M

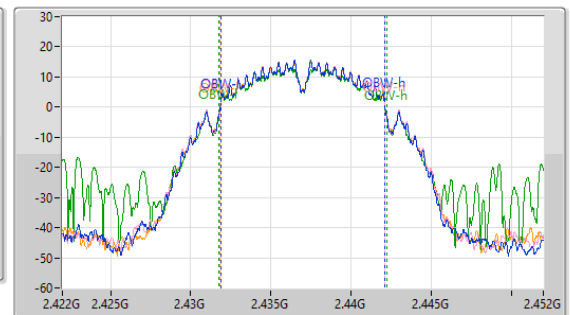
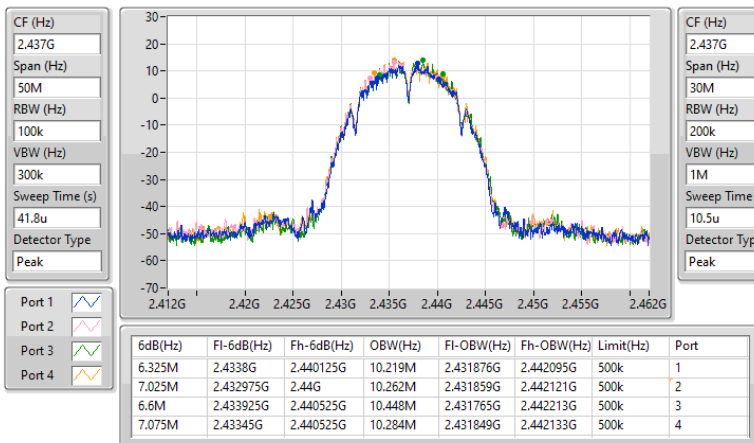
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

24/07/2023

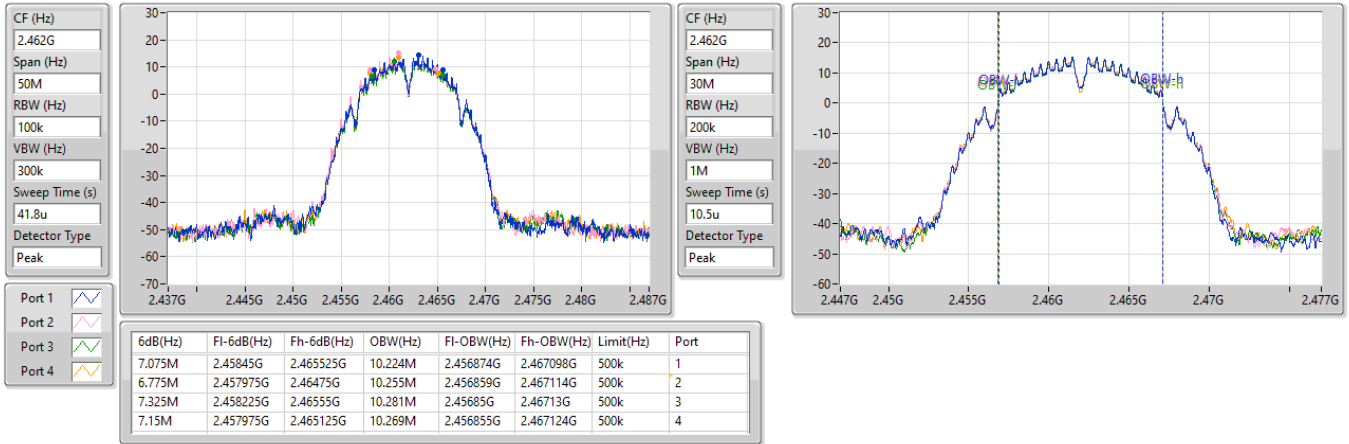

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

24/07/2023

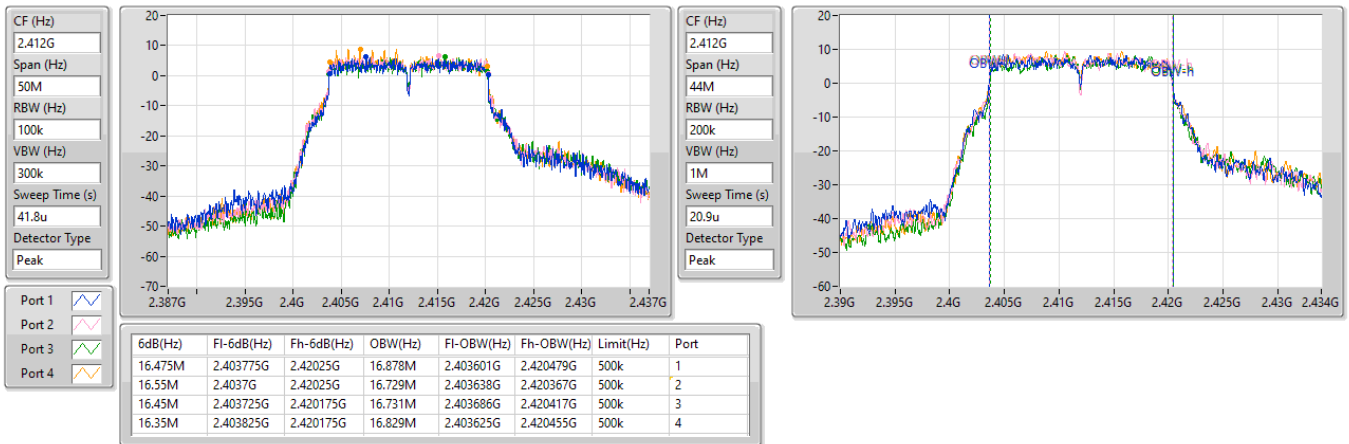


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

24/07/2023

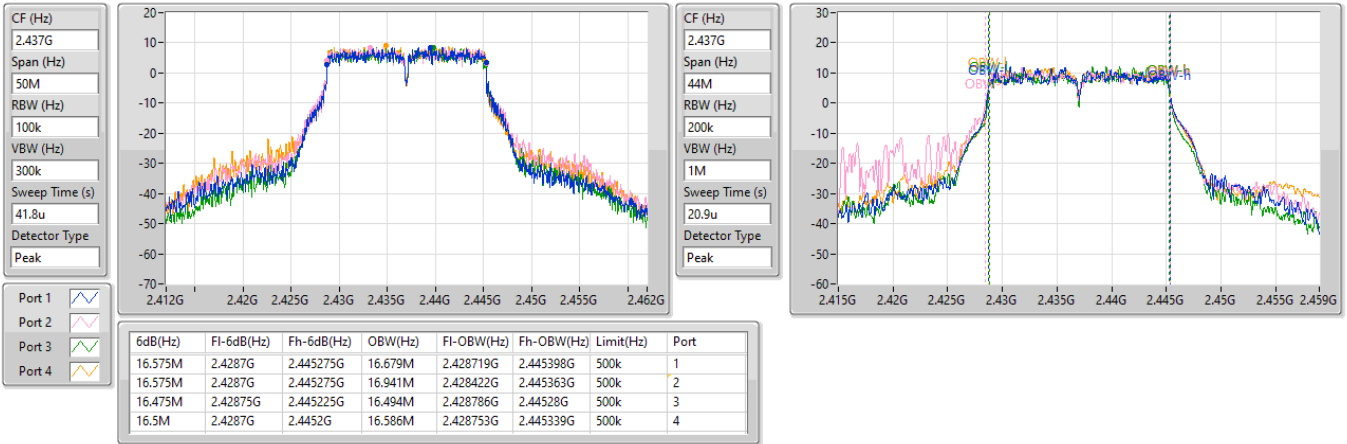

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

24/07/2023

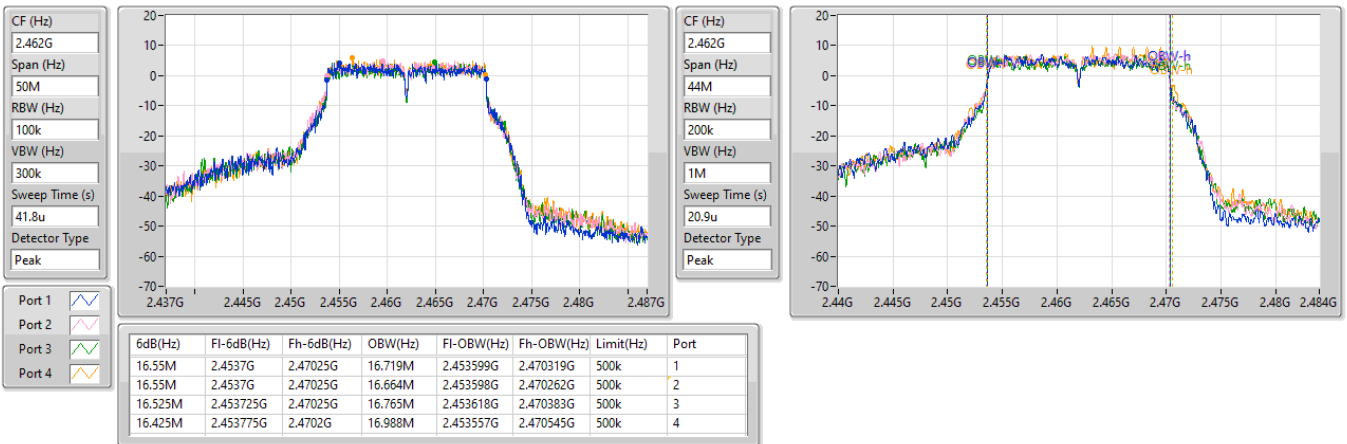


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX
EBW
2437MHz

24/07/2023

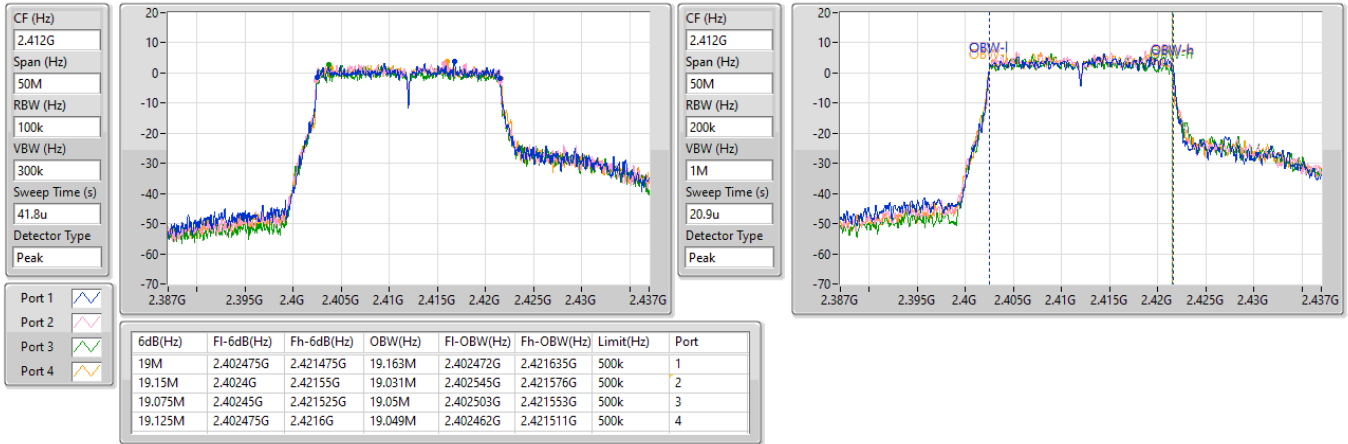

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX
EBW
2462MHz

24/07/2023

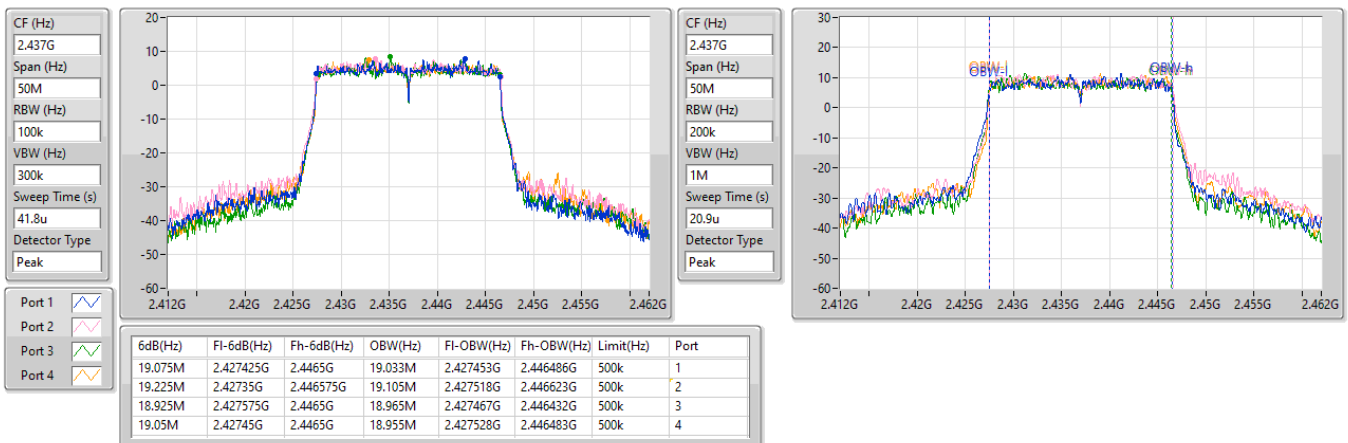


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2412MHz

24/07/2023

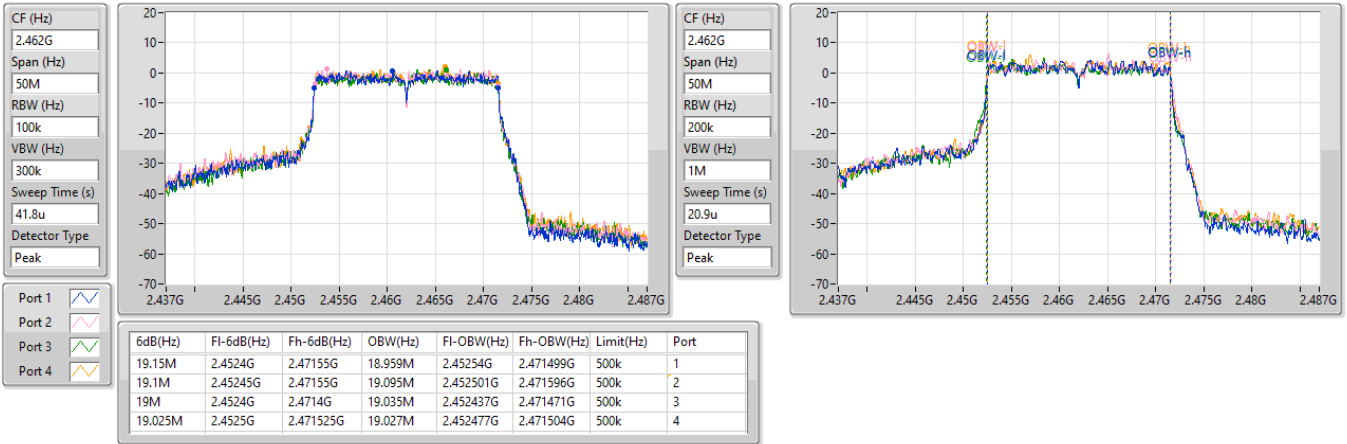

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

24/07/2023

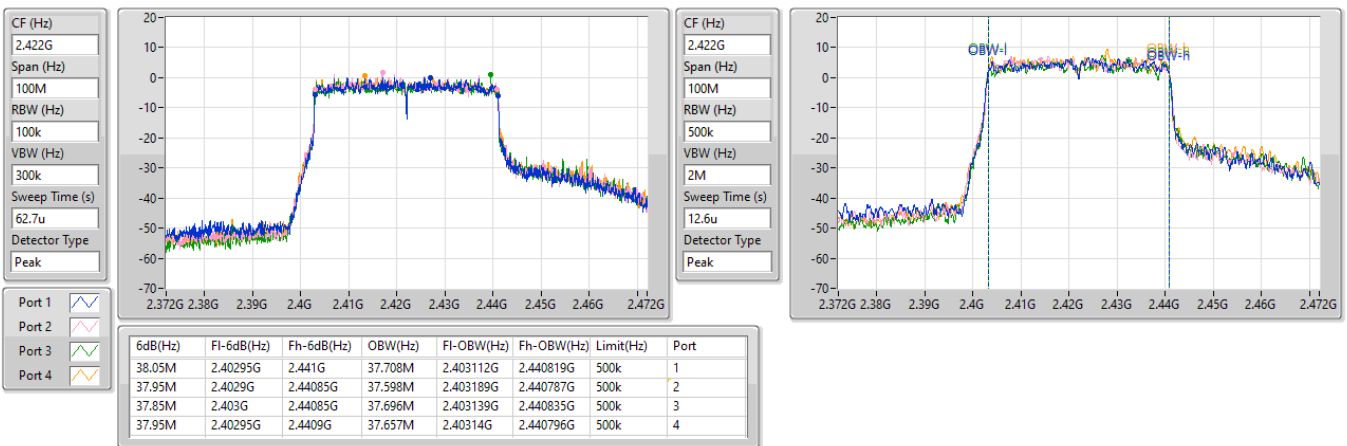


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

24/07/2023


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

24/07/2023

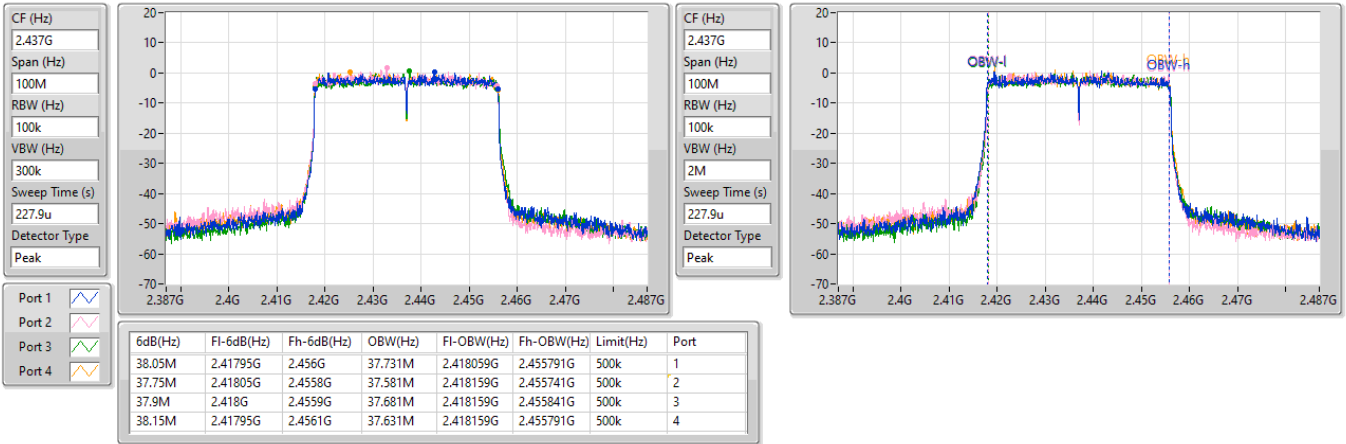


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

18/09/2023

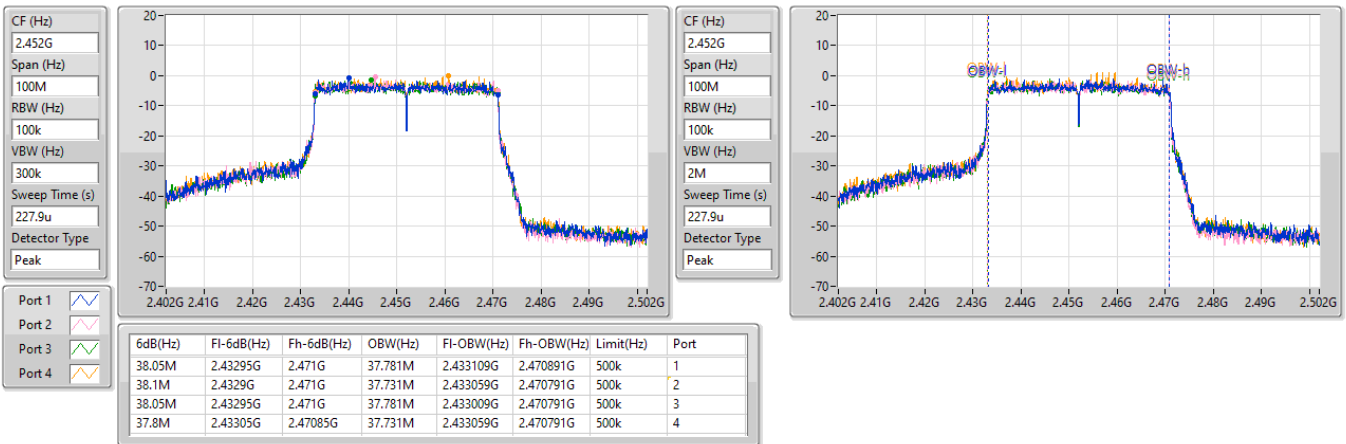


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

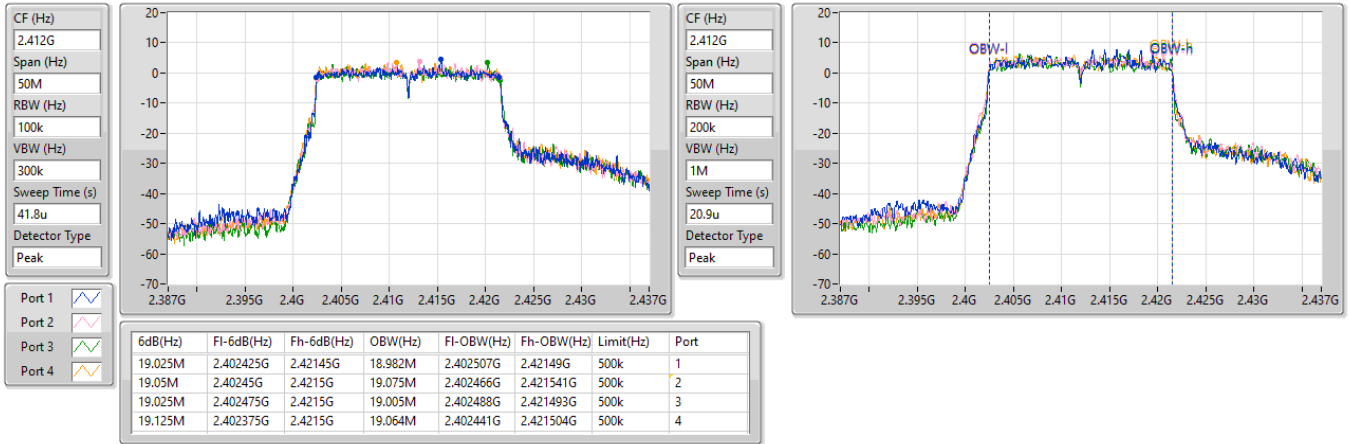
2452MHz

18/09/2023

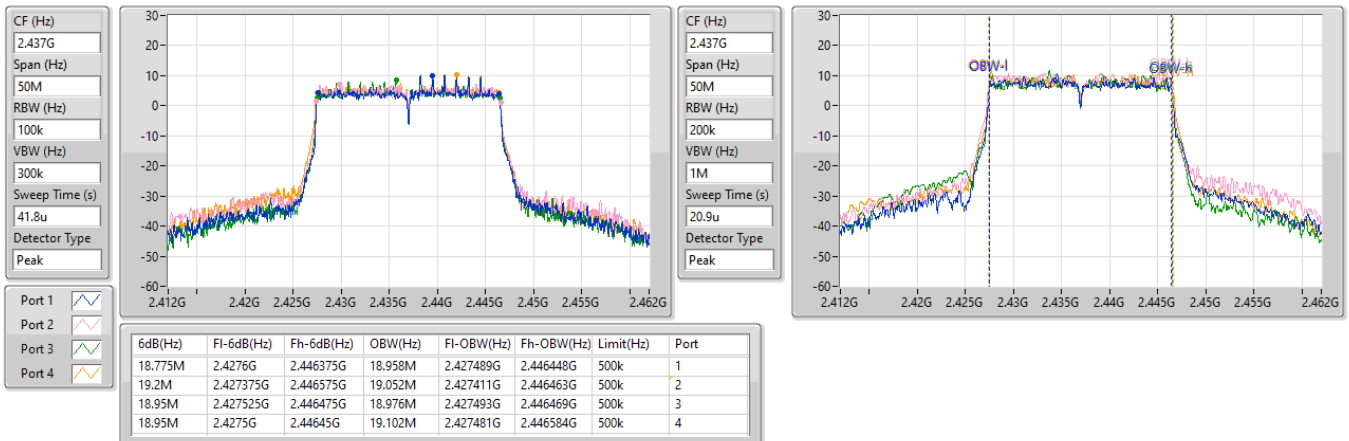


2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2412MHz

24/07/2023

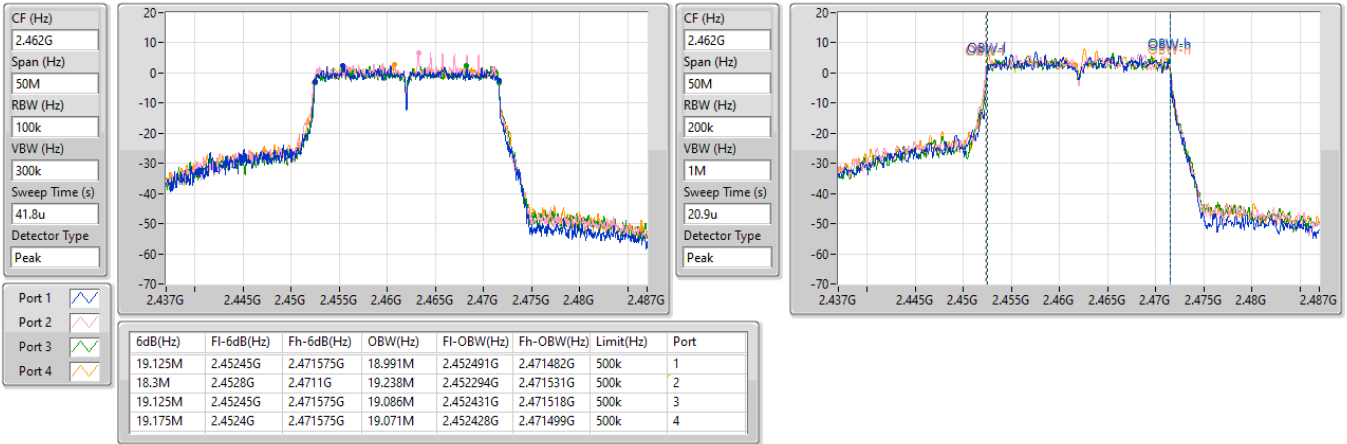

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2437MHz

24/07/2023

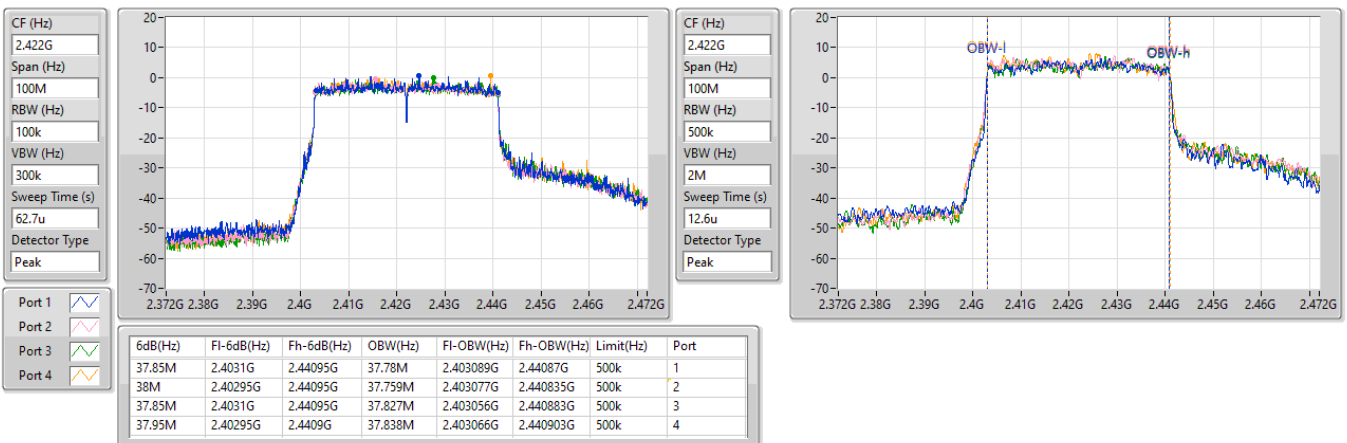


2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2462MHz

24/07/2023


2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
2422MHz

24/07/2023

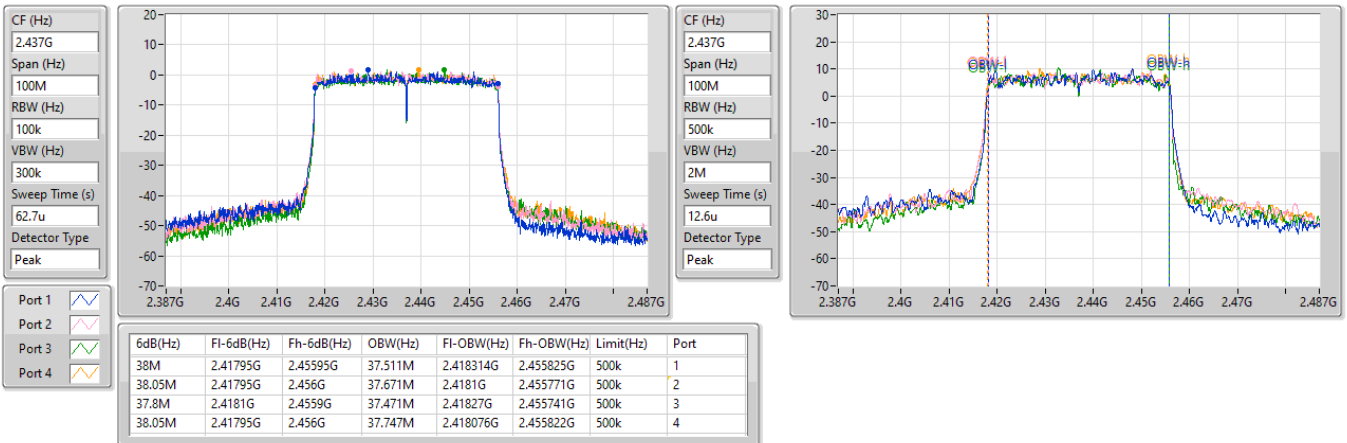


2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

2437MHz

24/07/2023

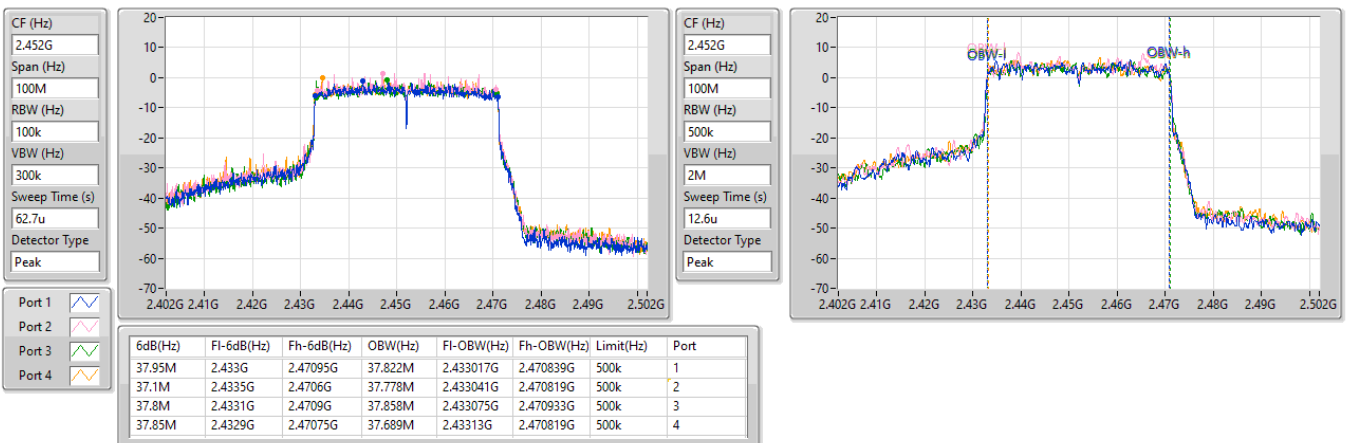


2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

2452MHz

24/07/2023





Average Power

Appendix B

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.71	0.93541
802.11g_Nss1,(6Mbps)_4TX	28.59	0.72277
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.83	0.60674
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	28.28	0.67298
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.43	0.22029
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	24.84	0.30479

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	20.73	20.60	20.31	21.03	26.70	30.00
2417MHz	Pass	2.01	23.64	23.59	23.42	23.11	29.47	30.00
2437MHz	Pass	2.01	23.58	23.67	23.51	23.98	29.71	30.00
2462MHz	Pass	2.01	21.27	21.63	20.97	21.77	27.44	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.01	19.03	19.26	19.07	19.59	25.26	30.00
2437MHz	Pass	2.01	22.17	22.82	22.20	22.96	28.57	30.00
2457MHz	Pass	2.01	22.85	22.47	22.07	22.84	28.59	30.00
2462MHz	Pass	2.01	18.77	19.42	18.58	19.44	25.09	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.35	16.57	16.89	16.24	16.93	22.69	29.65
2417MHz	Pass	6.35	18.06	18.63	18.20	18.53	24.38	29.65
2437MHz	Pass	6.35	21.44	22.09	21.47	22.17	27.83	29.65
2457MHz	Pass	6.35	18.90	19.32	18.76	19.33	25.11	29.65
2462MHz	Pass	6.35	14.72	15.21	14.57	15.00	20.90	29.65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.35	15.94	16.08	15.99	16.45	22.14	29.65
2437MHz	Pass	6.35	17.45	17.57	17.06	17.54	23.43	29.65
2452MHz	Pass	6.35	16.04	15.95	15.78	16.21	22.02	29.65
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.35	16.59	16.87	16.31	16.83	22.68	30.00
2417MHz	Pass	3.35	18.89	19.13	18.77	19.36	25.06	30.00
2437MHz	Pass	3.35	22.15	22.52	21.95	22.41	28.28	30.00
2457MHz	Pass	3.35	18.93	19.21	18.78	19.33	25.09	30.00
2462MHz	Pass	3.35	16.08	16.76	16.15	16.63	22.44	30.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.35	15.78	15.91	15.77	16.27	21.96	30.00
2437MHz	Pass	3.35	18.61	18.99	18.60	19.05	24.84	30.00
2447MHz	Pass	3.35	15.67	15.58	15.31	15.77	21.61	30.00
2452MHz	Pass	3.35	14.78	15.07	14.70	15.35	21.00	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	5.04
802.11g_Nss1,(6Mbps)_4TX	0.73
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-0.62
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-0.65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-7.35
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-7.86

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	-0.85	-1.49	-1.23	-0.96	2.99	7.65
2437MHz	Pass	6.35	1.50	0.78	1.65	0.61	5.04	7.65
2462MHz	Pass	6.35	-1.24	-1.02	-1.49	0.75	3.29	7.65
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.35	-6.02	-4.76	-6.42	-5.71	-1.88	7.65
2437MHz	Pass	6.35	-3.52	-2.78	-3.96	-3.15	0.73	7.65
2462MHz	Pass	6.35	-6.96	-6.64	-8.31	-6.90	-3.02	7.65
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.35	-9.87	-9.72	-9.77	-10.04	-6.40	7.65
2437MHz	Pass	6.35	-4.70	-4.84	-4.66	-5.17	-0.62	7.65
2462MHz	Pass	6.35	-11.63	-11.12	-12.04	-11.35	-7.95	7.65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.35	-12.53	-12.44	-12.99	-12.77	-8.23	7.65
2437MHz	Pass	6.35	-12.06	-10.32	-11.34	-10.58	-7.35	7.65
2452MHz	Pass	6.35	-12.36	-13.04	-12.09	-12.08	-8.14	7.65
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.35	-10.40	-8.98	-11.11	-9.39	-6.26	8.00
2437MHz	Pass	3.35	-3.47	-4.56	-4.04	-2.90	-0.65	8.00
2462MHz	Pass	3.35	-9.82	-9.98	-11.17	-10.46	-6.42	8.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.35	-13.70	-12.52	-13.88	-13.21	-9.42	8.00
2437MHz	Pass	3.35	-11.43	-11.19	-11.82	-10.05	-7.86	8.00
2452MHz	Pass	3.35	-13.94	-13.95	-14.56	-13.91	-10.75	8.00

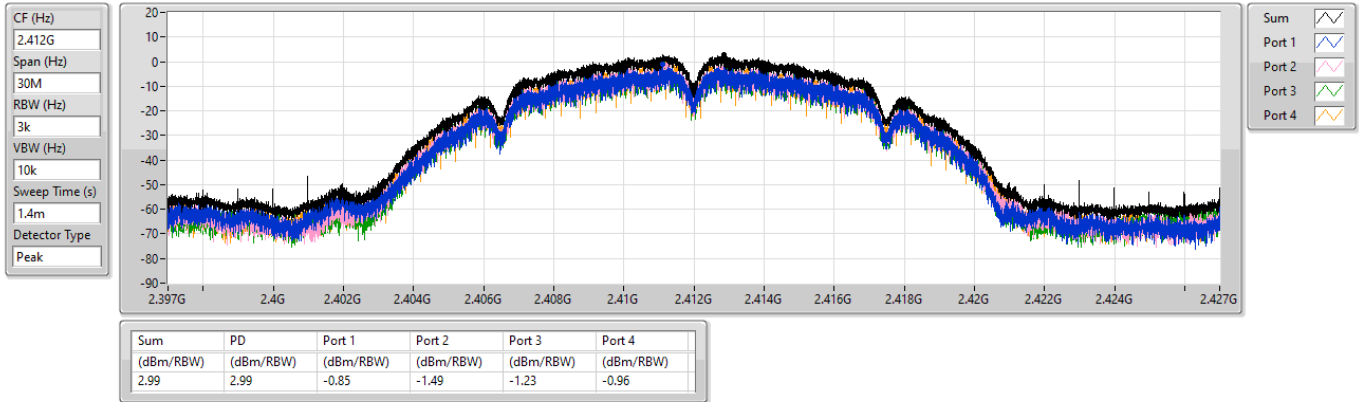
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

24/07/2023

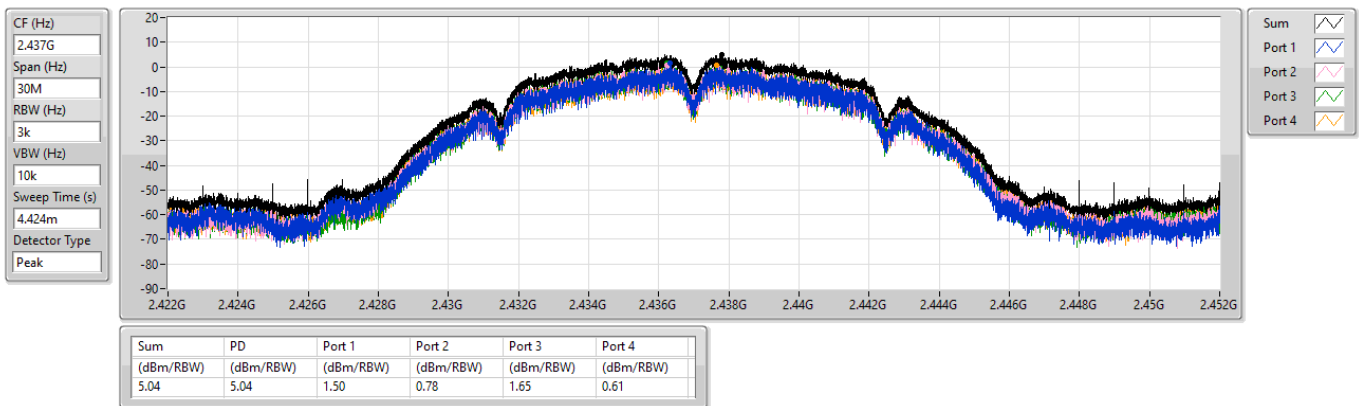


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

13/09/2023

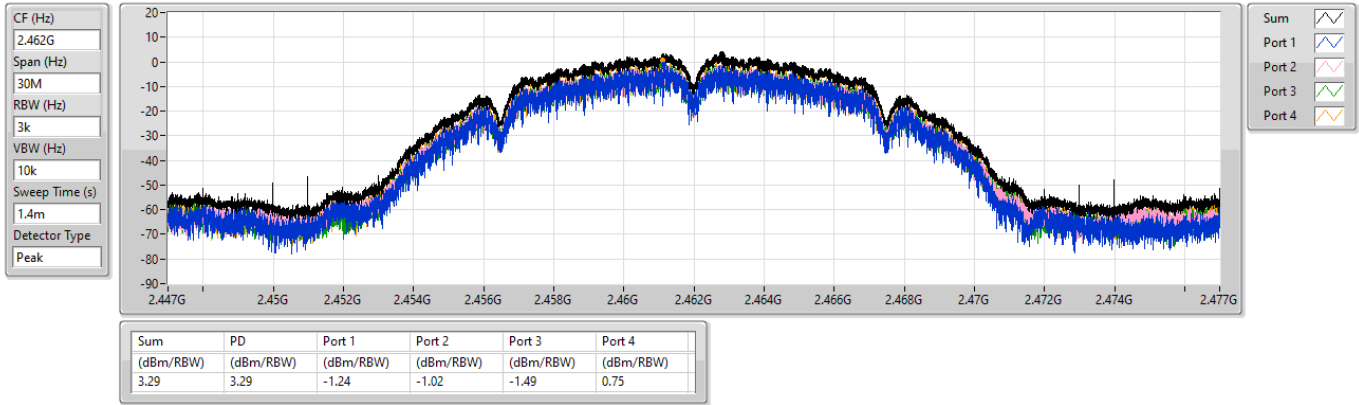


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

24/07/2023

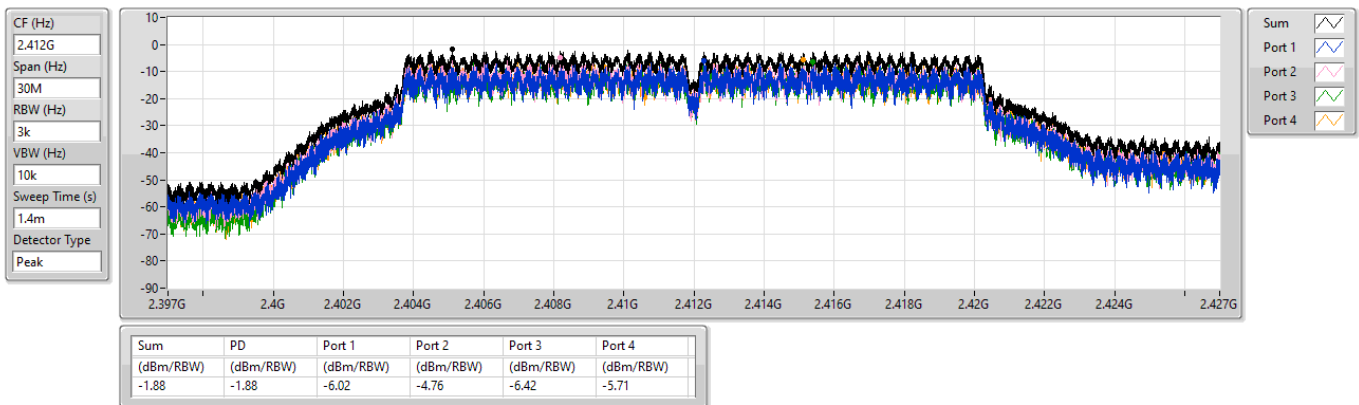


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

24/07/2023

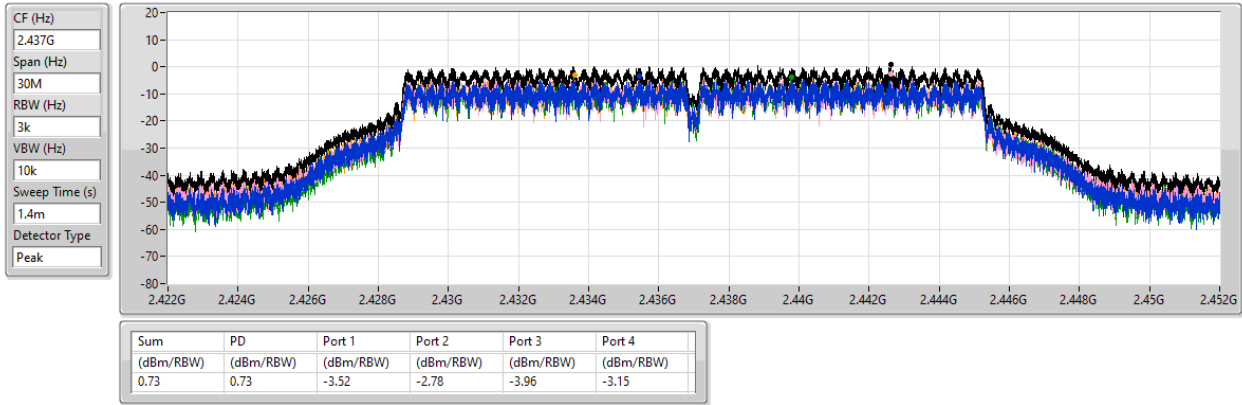


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

24/07/2023

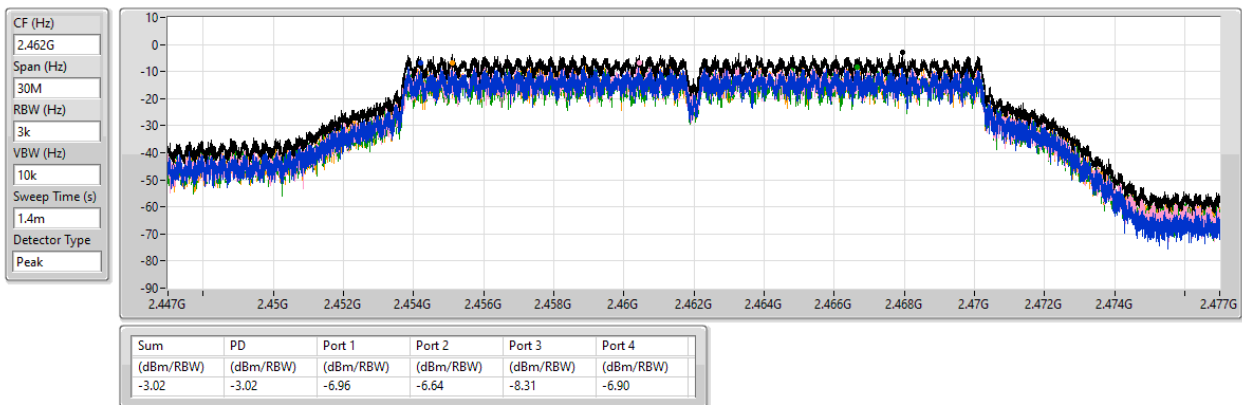


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

24/07/2023

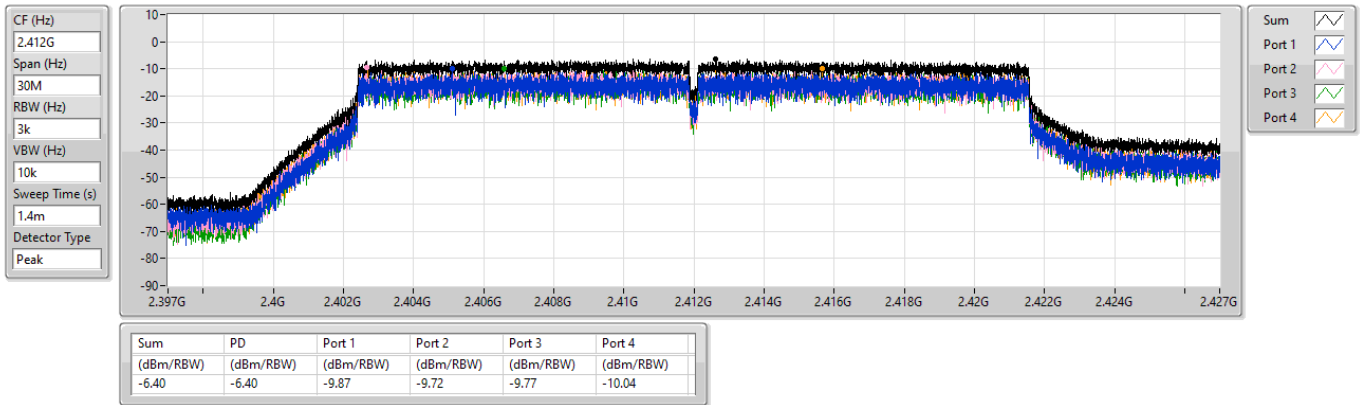


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

24/07/2023

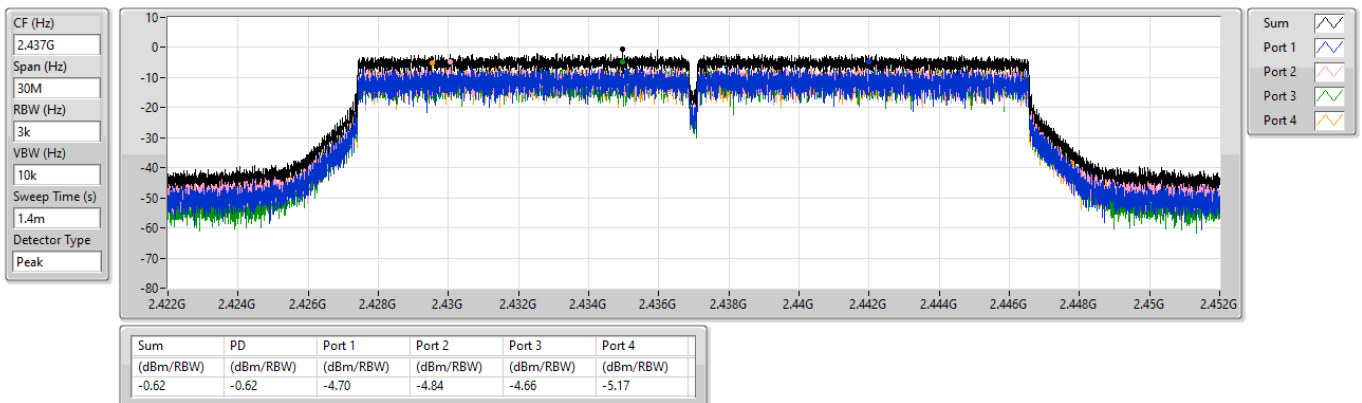


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

24/07/2023

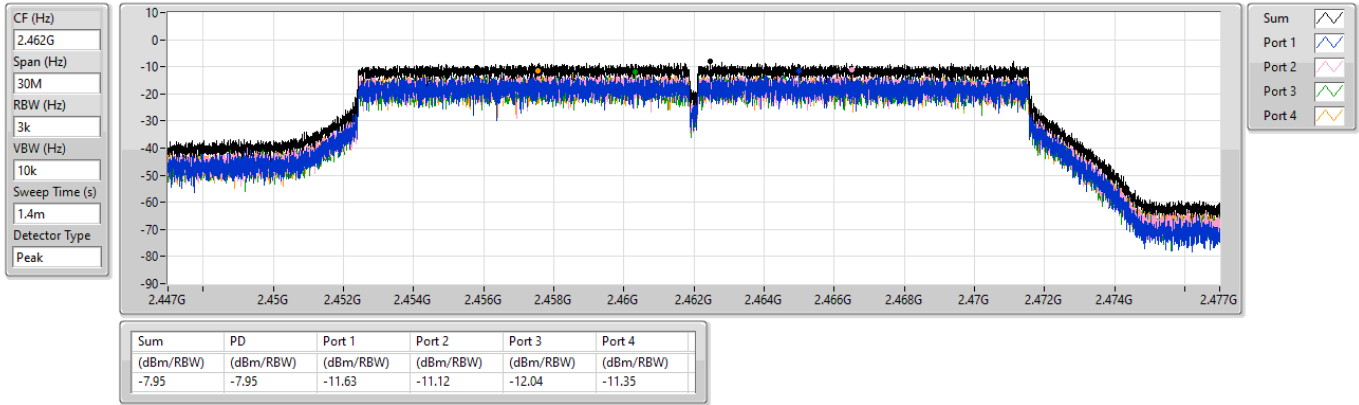


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

24/07/2023

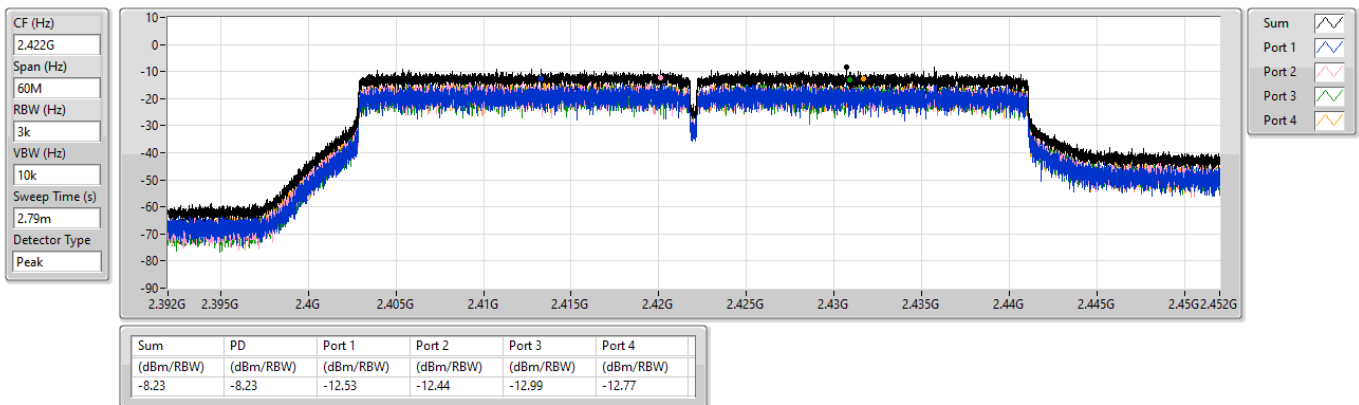


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

24/07/2023

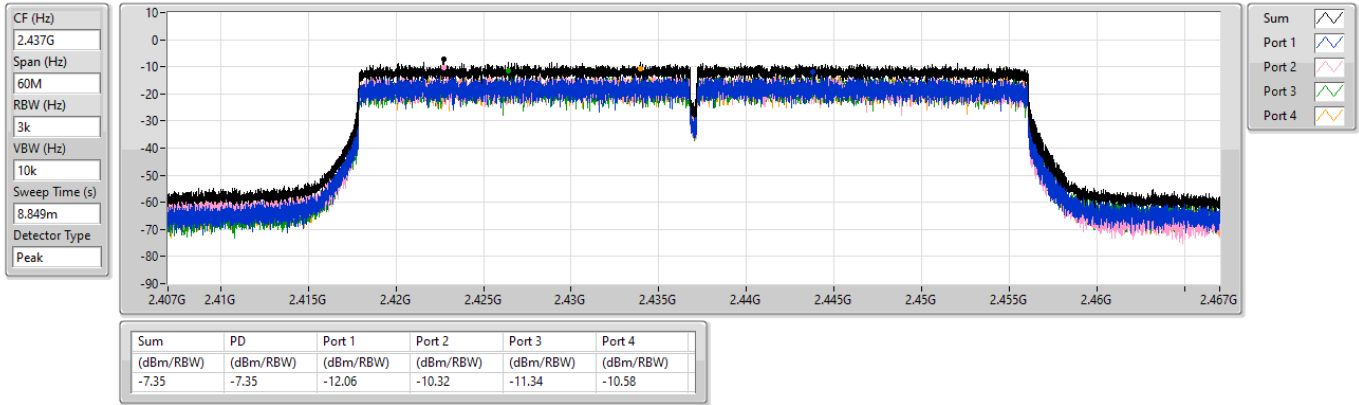


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

18/09/2023

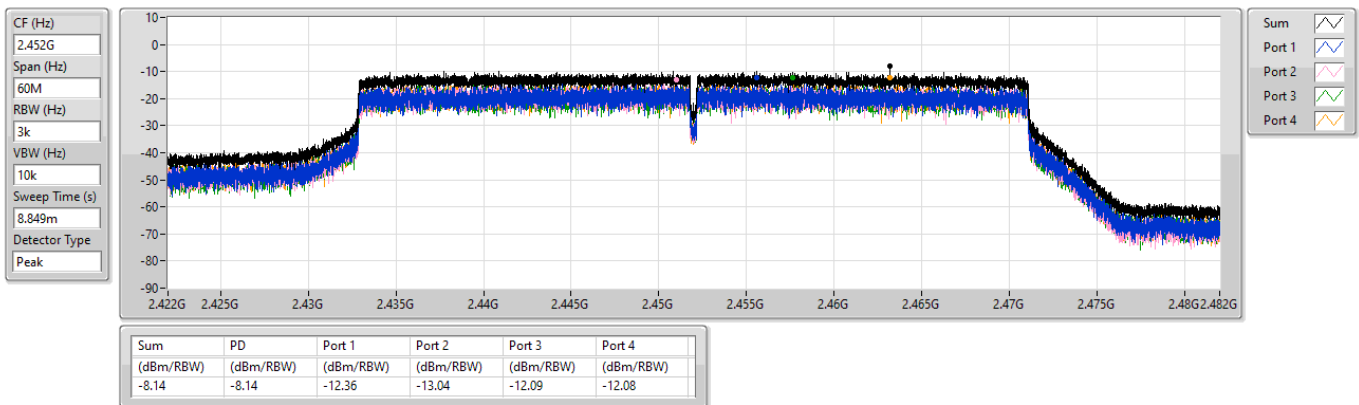


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

18/09/2023

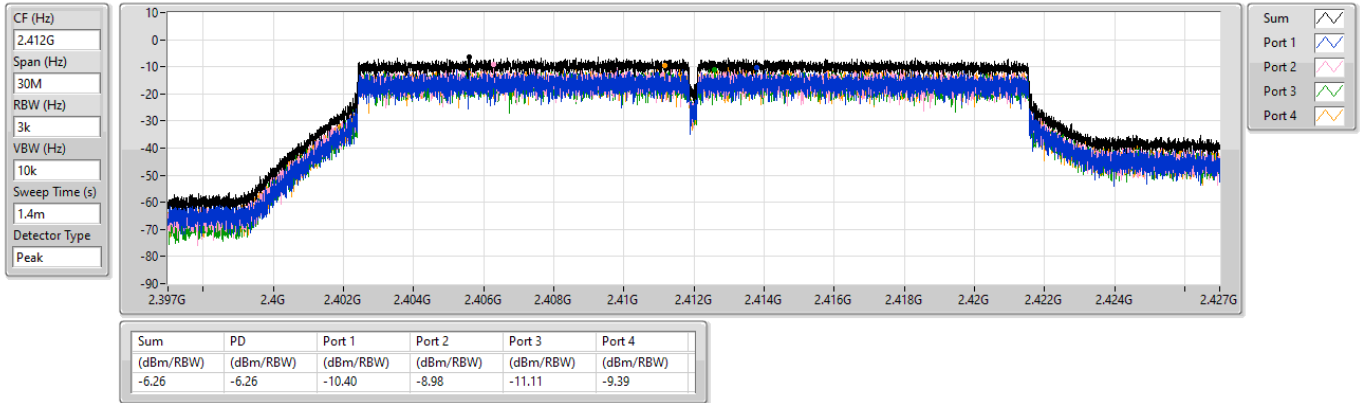


2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

2412MHz

24/07/2023

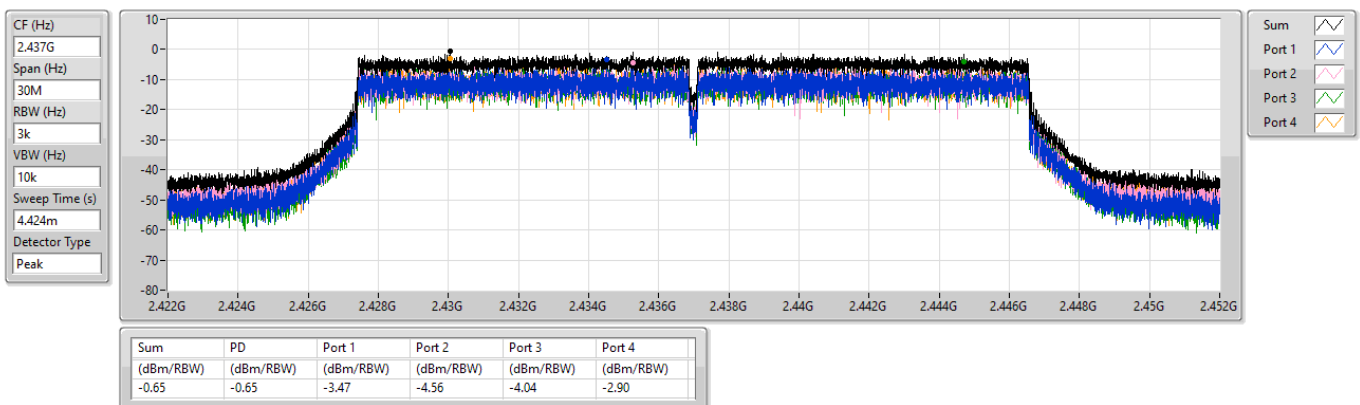


2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

2437MHz

13/09/2023

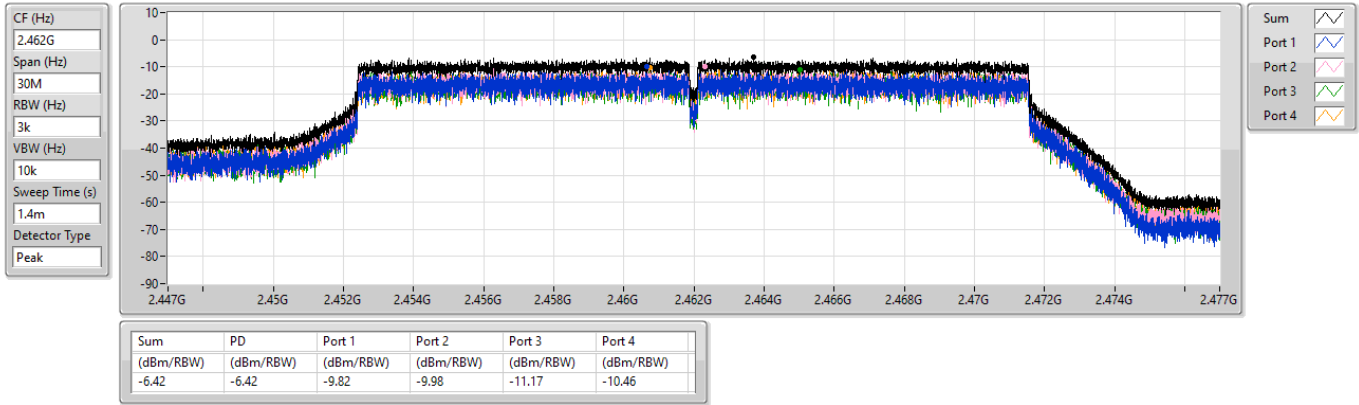


2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

2462MHz

24/07/2023

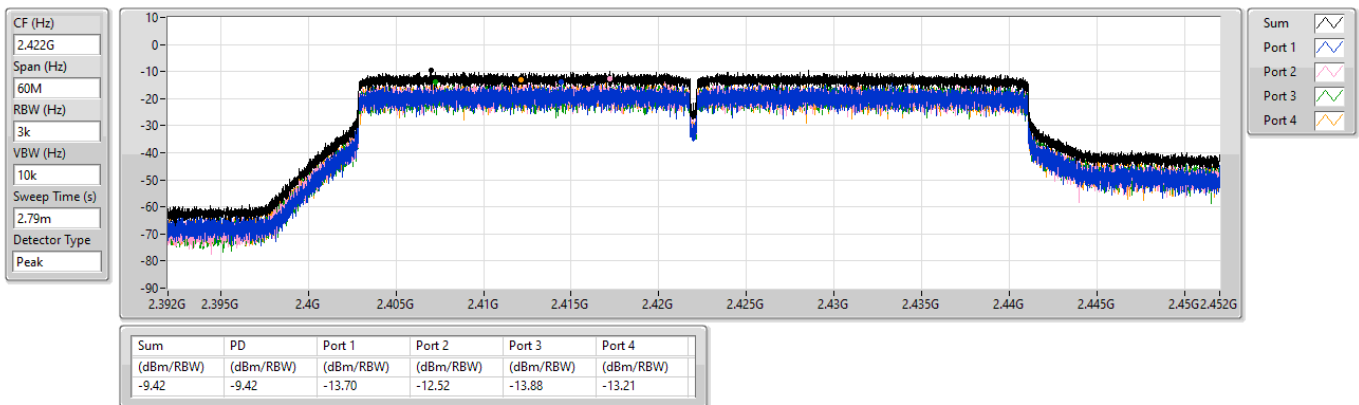


2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

2422MHz

24/07/2023

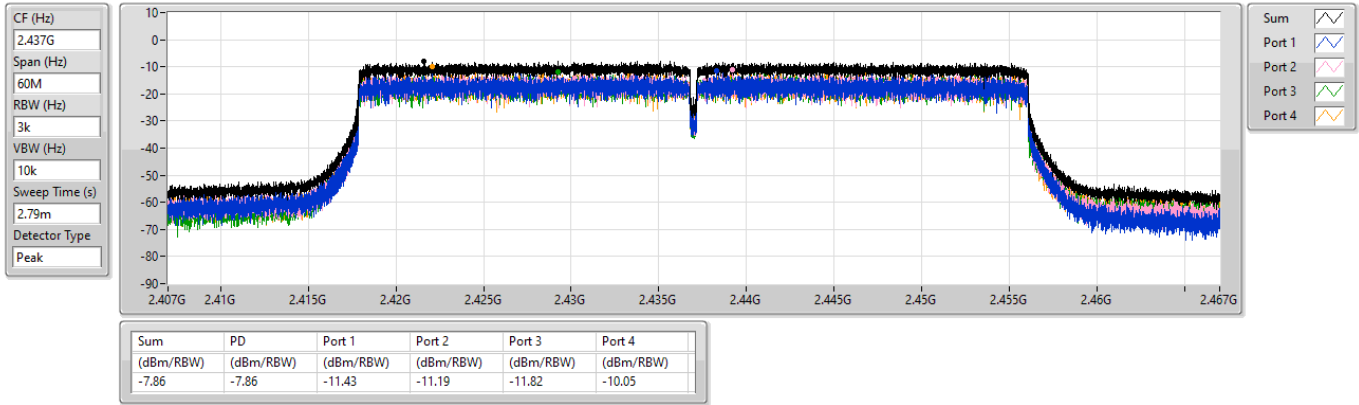


2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

2437MHz

24/07/2023

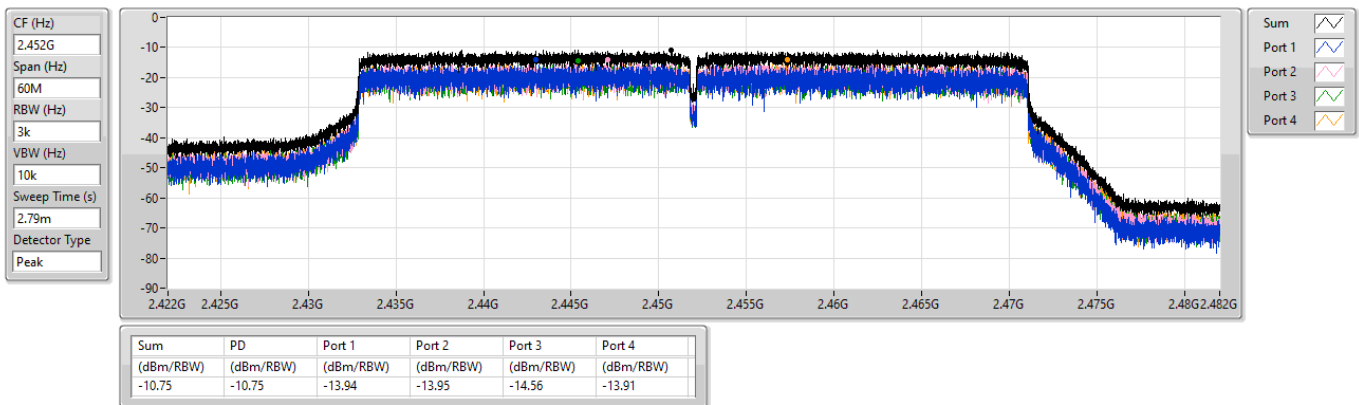


2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

2452MHz

24/07/2023



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	2.43741G	16.40	-13.60	2.30408G	-50.91	2.398G	-40.08	2.4G	-44.34	2.5115G	-49.72	7.23514G	-33.02	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.4319G	11.89	-18.11	2.19574G	-51.58	2.39992G	-33.33	2.4G	-29.75	2.52142G	-49.67	7.23233G	-38.89	4
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.44442G	10.91	-19.09	2.30525G	-51.68	2.4G	-34.24	2.4G	-32.24	2.50574G	-50.83	7.23514G	-42.28	4
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	Pass	2.4319G	11.27	-18.73	2.17477G	-53.67	2.4G	-37.54	2.4G	-32.83	2.50806G	-50.67	7.22952G	-42.25	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.4344G	3.78	-26.22	2.30855G	-50.56	2.39984G	-33.00	2.4G	-30.32	2.50062G	-49.59	23.5837G	-44.76	4
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	Pass	2.4319G	4.85	-25.15	2.30741G	-52.33	2.4G	-33.94	2.4G	-30.12	2.50654G	-52.11	7.24151G	-47.39	3

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	16.40	-13.60	2.30408G	-50.91	2.398G	-40.08	2.4G	-44.34	2.5115G	-49.72	7.23514G	-33.02	1
2412MHz	Pass	2.43741G	16.40	-13.60	2.30991G	-50.30	2.39752G	-41.46	2.4G	-45.66	2.5115G	-49.45	7.23514G	-32.11	2
2412MHz	Pass	2.43741G	16.40	-13.60	2.30525G	-49.33	2.39704G	-41.75	2.4G	-44.74	2.5131G	-48.61	7.23514G	-32.81	3
2412MHz	Pass	2.43741G	16.40	-13.60	2.30758G	-49.87	2.4G	-41.61	2.4G	-42.62	2.50518G	-49.61	7.23514G	-32.52	4
2437MHz	Pass	2.43741G	16.40	-13.60	2.30641G	-49.50	2.39336G	-45.44	2.4G	-46.70	2.50054G	-47.64	6.93732G	-47.64	1
2437MHz	Pass	2.43741G	16.40	-13.60	2.30874G	-48.29	2.39928G	-44.42	2.4G	-46.32	2.50086G	-47.28	15.28453G	-47.45	2
2437MHz	Pass	2.43741G	16.40	-13.60	2.30641G	-49.22	2.39624G	-46.07	2.4G	-48.58	2.51526G	-43.93	15.27329G	-47.71	3
2437MHz	Pass	2.43741G	16.40	-13.60	2.30525G	-47.77	2.39432G	-44.56	2.4G	-46.54	2.50334G	-47.25	5.70392G	-47.62	4
2462MHz	Pass	2.43741G	16.40	-13.60	2.30758G	-50.93	2.39096G	-46.51	2.4G	-49.91	2.5023G	-46.21	21.5611G	-47.09	1
2462MHz	Pass	2.43741G	16.40	-13.60	2.30874G	-50.09	2.3956G	-47.36	2.4G	-48.71	2.5043G	-46.83	21.60324G	-48.13	2
2462MHz	Pass	2.43741G	16.40	-13.60	2.30758G	-51.32	2.39872G	-46.62	2.4G	-49.85	2.50166G	-46.87	21.93758G	-46.81	3
2462MHz	Pass	2.43741G	16.40	-13.60	2.30641G	-49.43	2.39992G	-46.87	2.4G	-48.64	2.51166G	-46.68	21.55548G	-47.40	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	11.89	-18.11	2.30641G	-50.36	2.39728G	-34.06	2.4G	-32.24	2.51182G	-48.92	7.23514G	-34.90	1
2412MHz	Pass	2.4319G	11.89	-18.11	2.30408G	-50.08	2.39992G	-33.43	2.4G	-30.52	2.50102G	-49.45	7.23233G	-35.89	2
2412MHz	Pass	2.4319G	11.89	-18.11	2.16195G	-51.83	2.39992G	-35.06	2.4G	-31.67	2.50782G	-50.12	7.23233G	-36.55	3
2412MHz	Pass	2.4319G	11.89	-18.11	2.19574G	-51.58	2.39992G	-33.33	2.4G	-29.75	2.52142G	-49.67	7.23233G	-38.89	4
2437MHz	Pass	2.4319G	11.89	-18.11	2.30525G	-50.88	2.39216G	-45.16	2.4G	-45.59	2.51446G	-48.21	21.81677G	-48.10	1
2437MHz	Pass	2.4319G	11.89	-18.11	2.30641G	-50.05	2.39728G	-44.55	2.4G	-45.12	2.50134G	-47.08	21.97691G	-46.48	2
2437MHz	Pass	2.4319G	11.89	-18.11	2.30408G	-50.38	2.39944G	-46.14	2.4G	-48.38	2.50006G	-47.74	21.53019G	-47.67	3
2437MHz	Pass	2.4319G	11.89	-18.11	2.30408G	-49.80	2.39488G	-44.61	2.4G	-46.61	2.5035G	-48.20	21.60324G	-46.83	4
2462MHz	Pass	2.4319G	11.89	-18.11	2.30525G	-53.66	2.39656G	-49.26	2.4G	-49.77	2.5035G	-48.14	21.57514G	-47.89	1
2462MHz	Pass	2.4319G	11.89	-18.11	2.30641G	-51.08	2.39512G	-48.73	2.4G	-51.17	2.50294G	-47.57	21.63695G	-47.36	2
2462MHz	Pass	2.4319G	11.89	-18.11	2.30641G	-53.57	2.39912G	-49.55	2.4G	-51.36	2.50118G	-48.61	21.72967G	-48.05	3
2462MHz	Pass	2.4319G	11.89	-18.11	2.30292G	-52.49	2.39816G	-48.71	2.4G	-51.87	2.5023G	-48.41	21.48524G	-47.89	4
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44442G	10.91	-19.09	2.30641G	-53.72	2.4G	-35.05	2.4G	-34.43	2.5183G	-50.60	7.23233G	-43.16	1
2412MHz	Pass	2.44442G	10.91	-19.09	2.30175G	-50.81	2.4G	-35.41	2.4G	-32.45	2.50014G	-49.96	7.23233G	-42.31	2
2412MHz	Pass	2.44442G	10.91	-19.09	2.30408G	-53.01	2.4G	-35.15	2.4G	-33.96	2.5187G	-49.04	7.23514G	-43.64	3
2412MHz	Pass	2.44442G	10.91	-19.09	2.30525G	-51.68	2.4G	-34.24	2.4G	-32.24	2.50574G	-50.83	7.23514G	-42.28	4
2437MHz	Pass	2.44442G	10.91	-19.09	2.30408G	-51.29	2.39976G	-44.93	2.4G	-46.33	2.51246G	-47.74	21.81396G	-48.01	1
2437MHz	Pass	2.44442G	10.91	-19.09	2.30758G	-49.75	2.39744G	-44.75	2.4G	-46.82	2.50262G	-48.07	21.49929G	-47.24	2
2437MHz	Pass	2.44442G	10.91	-19.09	2.30175G	-51.40	2.39584G	-45.88	2.4G	-47.68	2.51118G	-48.36	21.53581G	-47.74	3
2437MHz	Pass	2.44442G	10.91	-19.09	2.30991G	-50.90	2.39752G	-45.22	2.4G	-47.94	2.50118G	-47.35	21.60043G	-47.89	4
2462MHz	Pass	2.44442G	10.91	-19.09	2.30175G	-51.86	2.392G	-50.14	2.4G	-53.52	2.50062G	-50.38	15.26487G	-47.84	1
2462MHz	Pass	2.44442G	10.91	-19.09	2.30991G	-52.92	2.3996G	-51.52	2.4G	-53.53	2.5023G	-50.85	16.22293G	-47.56	2
2462MHz	Pass	2.44442G	10.91	-19.09	2.13632G	-52.95	2.39416G	-51.80	2.4G	-52.36	2.50118G	-49.22	17.66985G	-47.45	3
2462MHz	Pass	2.44442G	10.91	-19.09	2.30525G	-52.08	2.39832G	-51.22	2.4G	-53.36	2.50902G	-49.95	17.67266G	-47.67	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	3.78	-26.22	2.15169G	-51.23	2.4G	-33.88	2.4G	-31.61	2.50782G	-49.42	16.8275G	-44.09	1
2422MHz	Pass	2.4344G	3.78	-26.22	2.16886G	-51.53	2.4G	-33.13	2.4G	-32.05	2.55374G	-49.00	16.22172G	-45.21	2
2422MHz	Pass	2.4344G	3.78	-26.22	2.30626G	-51.63	2.4G	-32.94	2.4G	-32.70	2.50686G	-50.27	16.25257G	-43.51	3
2422MHz	Pass	2.4344G	3.78	-26.22	2.30855G	-50.56	2.39984G	-33.00	2.4G	-30.32	2.50062G	-49.59	23.5837G	-44.76	4
2437MHz	Pass	2.4344G	3.78	-26.22	2.14825G	-50.86	2.39968G	-45.63	2.4G	-47.80	2.53086G	-49.33	24.91306G	-43.98	1
2437MHz	Pass	2.4344G	3.78	-26.22	2.30741G	-50.65	2.39808G	-43.92	2.4G	-45.36	2.51758G	-49.41	16.4573G	-44.61	2
2437MHz	Pass	2.4344G	3.78	-26.22	2.3097G	-50.42	2.39792G	-47.59	2.4G	-48.53	2.54974G	-39.85	24.96354G	-43.74	3
2437MHz	Pass	2.4344G	3.78	-26.22	2.30283G	-50.33	2.39808G	-46.01	2.4G	-46.20	2.5027G	-49.01	25G	-44.72	4
2452MHz	Pass	2.4344G	3.78	-26.22	1.84025G	-51.22	2.39808G	-38.46	2.4G	-39.63	2.50254G	-48.44	16.23013G	-44.91	1
2452MHz	Pass	2.4344G	3.78	-26.22	2.11619G	-50.70	2.3992G	-39.17	2.4G	-39.39	2.5107G	-49.26	14.80261G	-45.01	2
2452MHz	Pass	2.4344G	3.78	-26.22	2.1265G	-51.15	2.39968G	-40.24	2.4G	-39.11	2.50286G	-49.46	16.22733G	-44.73	3
2452MHz	Pass	2.4344G	3.78	-26.22	2.30283G	-50.83	2.39984G	-37.14	2.4G	-38.40	2.50702G	-49.32	16.49657G	-45.42	4
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	11.27	-18.73	2.02099G	-52.24	2.4G	-35.48	2.4G	-34.78	2.50358G	-50.20	7.22952G	-41.35	1
2412MHz	Pass	2.4319G	11.27	-18.73	2.30525G	-52.70	2.39992G	-35.46	2.4G	-33.34	2.50854G	-50.05	7.24076G	-41.93	2
2412MHz	Pass	2.4319G	11.27	-18.73	2.17477G	-53.67	2.4G	-37.54	2.4G	-32.83	2.50806G	-50.67	7.22952G	-42.25	3
2412MHz	Pass	2.4319G	11.27	-18.73	2.30758G	-52.81	2.4G	-35.79	2.4G	-33.46	2.5095G	-51.20	7.22952G	-42.11	4
2437MHz	Pass	2.4319G	11.27	-18.73	2.30991G	-51.48	2.39736G	-44.63	2.4G	-45.86	2.5039G	-46.69	15.22834G	-47.25	1
2437MHz	Pass	2.4319G	11.27	-18.73	2.30175G	-50.01	2.39976G	-44.99	2.4G	-44.67	2.50358G	-48.12	24.21613G	-48.10	2
2437MHz	Pass	2.4319G	11.27	-18.73	2.30641G	-50.86	2.3984G	-46.40	2.4G	-48.90	2.50254G	-48.29	17.69233G	-46.47	3
2437MHz	Pass	2.4319G	11.27	-18.73	2.30641G	-50.23	2.3996G	-45.85	2.4G	-45.82	2.50534G	-46.88	16.79327G	-47.57	4

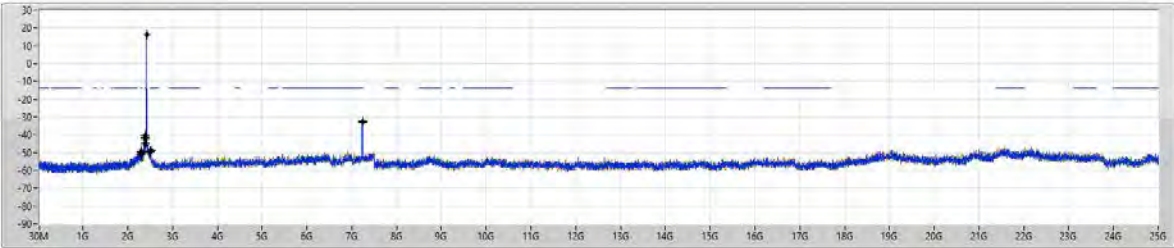
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2462MHz	Pass	2.4319G	11.27	-18.73	1.80779G	-52.92	2.39136G	-50.15	2.4G	-52.56	2.50942G	-49.57	21.44028G	-48.16	1
2462MHz	Pass	2.4319G	11.27	-18.73	2.30292G	-52.76	2.3968G	-49.19	2.4G	-52.84	2.5011G	-48.58	21.45995G	-47.45	2
2462MHz	Pass	2.4319G	11.27	-18.73	1.91963G	-53.65	2.39784G	-50.00	2.4G	-52.12	2.50062G	-49.72	21.44871G	-47.71	3
2462MHz	Pass	2.4319G	11.27	-18.73	1.83692G	-54.08	2.39936G	-49.97	2.4G	-51.01	2.51982G	-48.57	21.66505G	-46.70	4
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	4.85	-25.15	2.3097G	-52.12	2.4G	-33.51	2.4G	-31.81	2.5027G	-52.10	21.98229G	-46.15	1
2422MHz	Pass	2.4319G	4.85	-25.15	2.30054G	-51.51	2.39984G	-33.39	2.4G	-32.11	2.51886G	-51.20	7.23029G	-46.74	2
2422MHz	Pass	2.4319G	4.85	-25.15	2.30741G	-52.33	2.4G	-33.94	2.4G	-30.12	2.50654G	-52.11	7.24151G	-47.39	3
2422MHz	Pass	2.4319G	4.85	-25.15	2.19978G	-52.64	2.4G	-33.66	2.4G	-30.89	2.53246G	-51.58	7.24712G	-46.17	4
2437MHz	Pass	2.4319G	4.85	-25.15	2.30054G	-50.47	2.39968G	-40.73	2.4G	-42.66	2.5003G	-50.42	21.41016G	-47.43	1
2437MHz	Pass	2.4319G	4.85	-25.15	2.19749G	-50.97	2.39936G	-40.95	2.4G	-43.61	2.50174G	-49.38	21.54478G	-47.37	2
2437MHz	Pass	2.4319G	4.85	-25.15	2.30397G	-52.72	2.39968G	-44.23	2.4G	-47.27	2.5027G	-49.37	21.48308G	-48.17	3
2437MHz	Pass	2.4319G	4.85	-25.15	2.30741G	-52.46	2.39936G	-41.51	2.4G	-44.51	2.50686G	-49.55	21.45784G	-48.24	4
2452MHz	Pass	2.4319G	4.85	-25.15	2.13337G	-53.85	2.39952G	-39.20	2.4G	-40.54	2.50078G	-49.99	21.47186G	-47.75	1
2452MHz	Pass	2.4319G	4.85	-25.15	2.30855G	-53.19	2.39888G	-39.29	2.4G	-37.52	2.50926G	-50.74	21.54758G	-47.31	2
2452MHz	Pass	2.4319G	4.85	-25.15	893.33M	-54.04	2.39968G	-38.91	2.4G	-41.47	2.5067G	-50.74	21.57002G	-47.79	3
2452MHz	Pass	2.4319G	4.85	-25.15	2.17573G	-51.75	2.39952G	-38.89	2.4G	-39.61	2.50094G	-50.60	21.53356G	-47.35	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

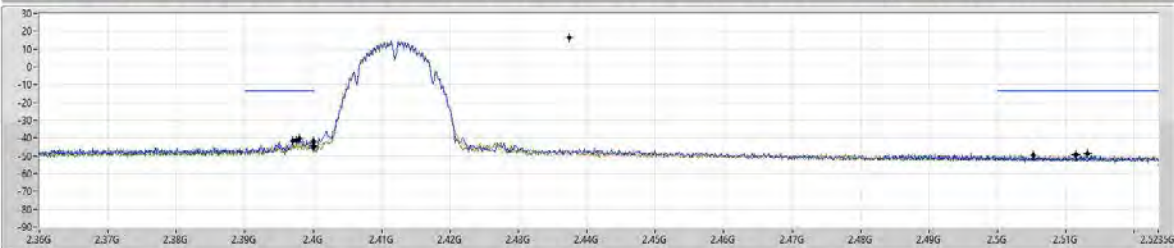
CSEndB

2412MHz

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



13/09/2023
Port 1
Port 2
Port 3
Port 4



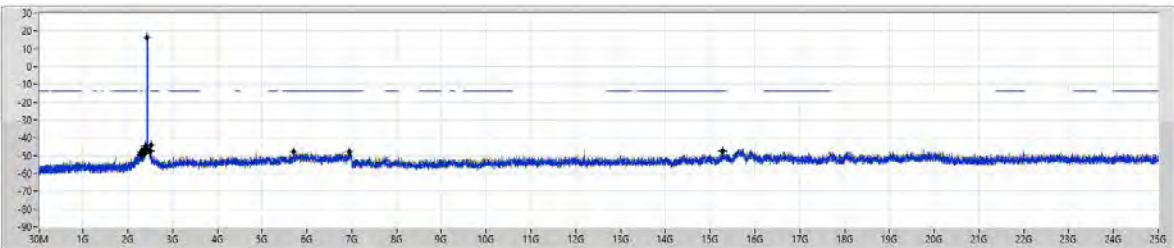
Ref(FHz)	Ref(dBm)	Limit(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Port
2.43741G	16.40	-13.60	2.30400G	-50.91	2.396G	-40.08	2.4G	-44.34	2.5115G	-49.72	7.23514G	-33.02	1
2.43741G	16.40	-13.60	2.30991G	-50.30	2.39752G	-41.46	2.4G	-43.66	2.5115G	-49.45	7.23514G	-32.11	2
2.43741G	16.40	-13.60	2.30525G	-49.33	2.39704G	-41.75	2.4G	-44.74	2.5131G	-48.61	7.23514G	-32.81	3
2.43741G	16.40	-13.60	2.30798G	-49.87	2.4G	-41.61	2.4G	-42.62	2.50518G	-48.61	7.23514G	-32.52	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

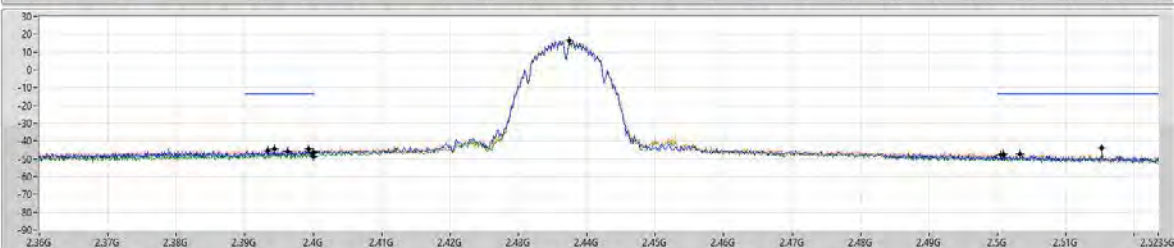
CSEndB

2437MHz

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



13/09/2023
Port 1
Port 2
Port 3
Port 4



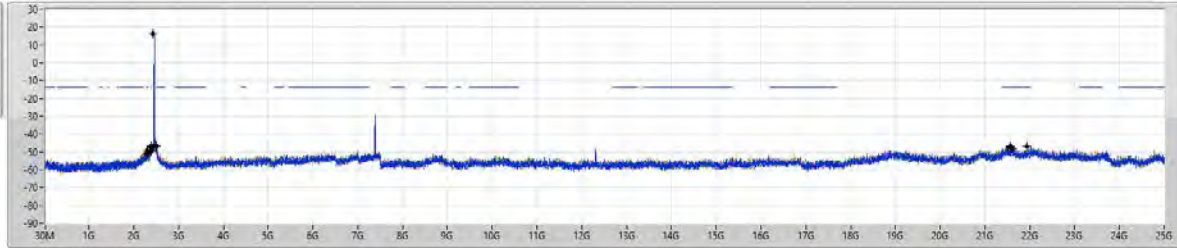
Ref(FHz)	Ref(dBm)	Limit(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Freq(FHz)	Level(dBm)	Port
2.43741G	16.40	-13.60	2.30641G	-49.50	2.39336G	-45.44	2.4G	-46.70	2.50054G	-47.64	6.93732G	-47.64	1
2.43741G	16.40	-13.60	2.30874G	-48.29	2.39928G	-44.42	2.4G	-46.32	2.50086G	-47.28	15.28459G	-47.45	2
2.43741G	16.40	-13.60	2.30641G	-49.22	2.39624G	-46.07	2.4G	-48.58	2.51526G	-48.93	15.27529G	-47.71	3
2.43741G	16.40	-13.60	2.30535G	-47.77	2.39492G	-44.56	2.4G	-46.54	2.50334G	-47.25	5.70392G	-47.62	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

CSEndB

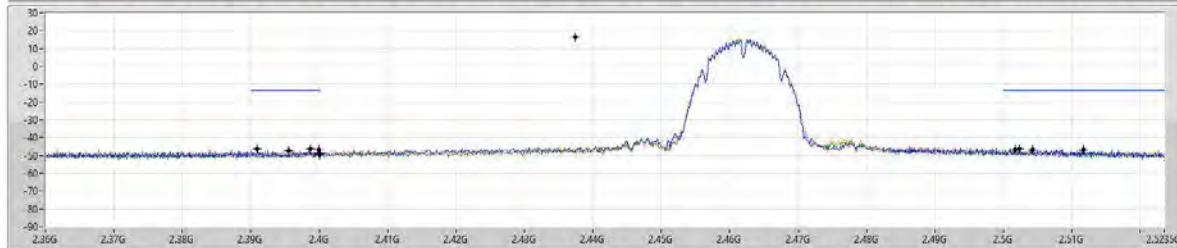
2462MHz

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



11/09/2023

Port 1
Port 2
Port 3
Port 4



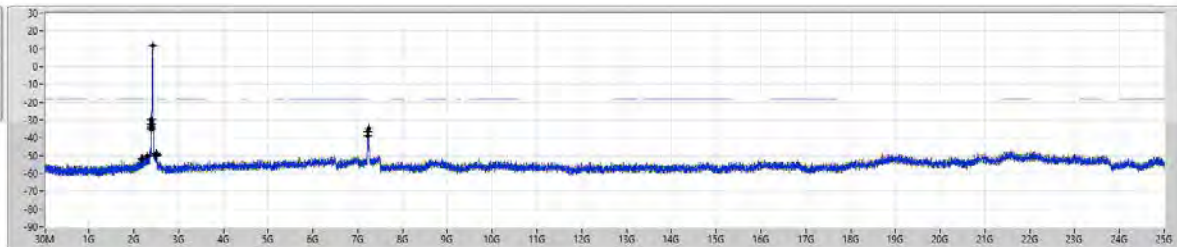
Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.47741G	16.40	-13.60	2.30758G	-50.93	2.39996G	-46.51	2.4G	-49.91	2.5023G	-46.21	21.5611G	-47.09	1
2.47741G	16.40	-13.60	2.30874G	-50.09	2.39966G	-47.36	2.4G	-48.71	2.5043G	-46.83	21.60324G	-48.13	2
2.47741G	16.40	-13.60	2.30758G	-51.32	2.39872G	-46.62	2.4G	-49.85	2.50166G	-46.87	21.93758G	-46.81	3
2.47741G	16.40	-13.60	2.30841G	-49.43	2.39993G	-46.87	2.4G	-48.84	2.51166G	-46.68	21.55548G	-47.40	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

CSEndB

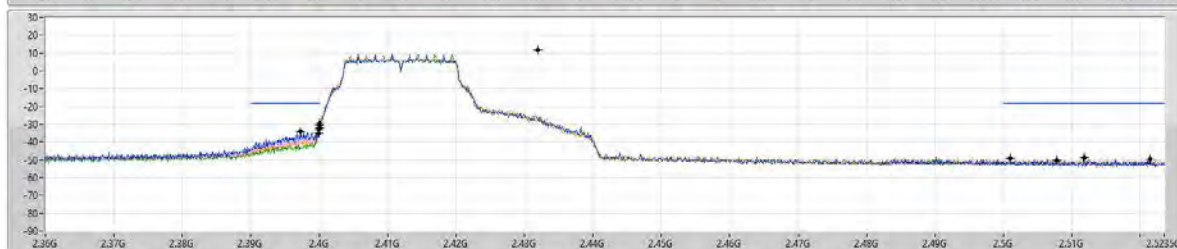
2412MHz

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



24/01/2023

Port 1
Port 2
Port 3
Port 4



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
2.4319G	11.89	-18.11	2.30641G	-50.36	2.39728G	-34.06	2.4G	-32.24	2.51162G	-48.92	7.22514G	-34.90	1
2.4319G	11.89	-18.11	2.30408G	-50.08	2.39692G	-33.43	2.4G	-30.32	2.50102G	-49.45	7.23219G	-33.89	2
2.4319G	11.89	-18.11	2.31956G	-51.83	2.39996G	-35.06	2.4G	-31.67	2.50782G	-50.12	7.23233G	-36.55	3
2.4319G	11.89	-18.11	2.31974G	-51.58	2.39993G	-33.33	2.4G	-29.75	2.52142G	-48.67	7.23233G	-38.89	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

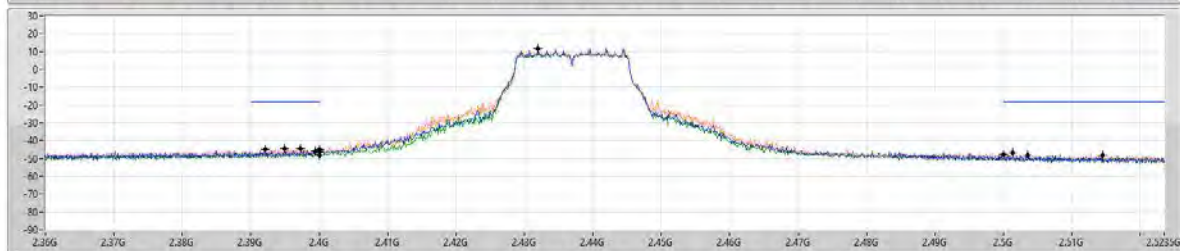
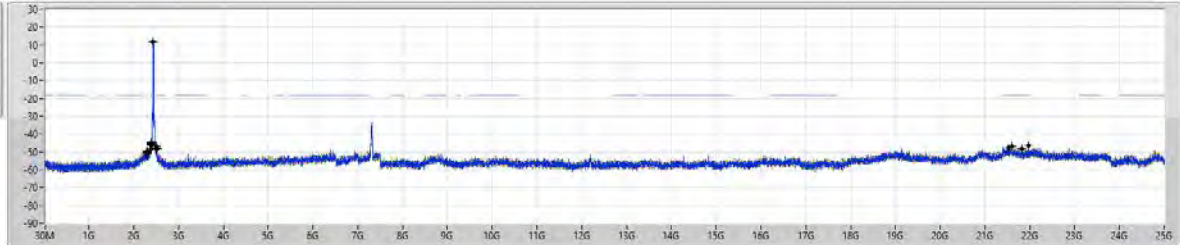
CSEndB

2437MHz

24/01/2023

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

Port 1
Port 2
Port 3
Port 4



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
2.4319G	11.89	-18.11	2.30525G	-50.08	2.39216G	-45.16	2.4G	-45.59	2.51446G	-40.21	21.81677G	-48.10	1
2.4319G	11.89	-18.11	2.30641G	-50.05	2.39228G	-44.55	2.4G	-45.12	2.50134G	-47.08	21.97691G	-46.48	2
2.4319G	11.89	-18.11	2.30408G	-50.38	2.39944G	-46.14	2.4G	-48.38	2.50006G	-47.74	21.53019G	-47.67	3
2.4319G	11.89	-18.11	2.30408G	-49.80	2.39489G	-44.61	2.4G	-46.61	2.5035G	-48.20	21.60324G	-46.83	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

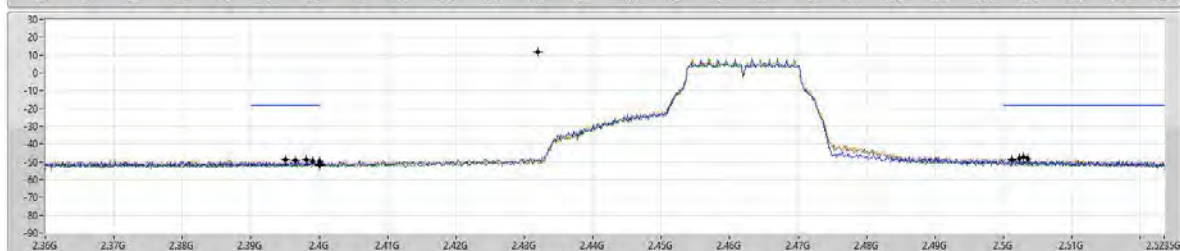
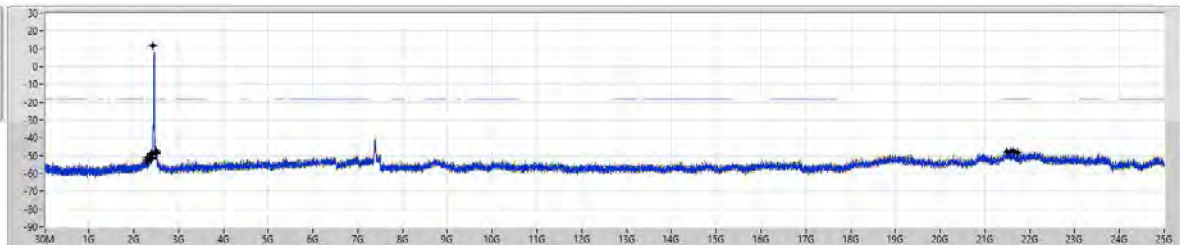
CSEndB

2462MHz

24/01/2023

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

Port 1
Port 2
Port 3
Port 4



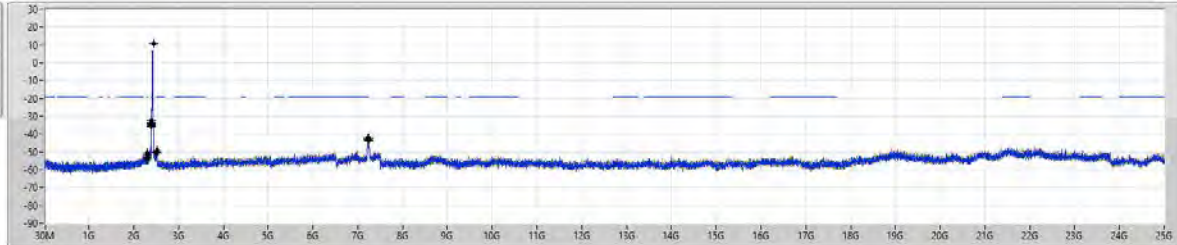
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	11.89	-18.11	2.30525G	-53.66	2.39656G	-49.26	2.4G	-49.77	2.5035G	-48.14	21.57514G	-47.89	1
2.4319G	11.89	-18.11	2.30641G	-51.08	2.39512G	-48.73	2.4G	-51.17	2.50294G	-47.57	21.63895G	-47.36	2
2.4319G	11.89	-18.11	2.30641G	-53.57	2.39912G	-49.55	2.4G	-51.36	2.50118G	-48.61	21.72967G	-48.05	3
2.4319G	11.89	-18.11	2.30292G	-52.49	2.39816G	-48.71	2.4G	-51.87	2.5033G	-48.41	21.48324G	-47.89	4

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSEndB

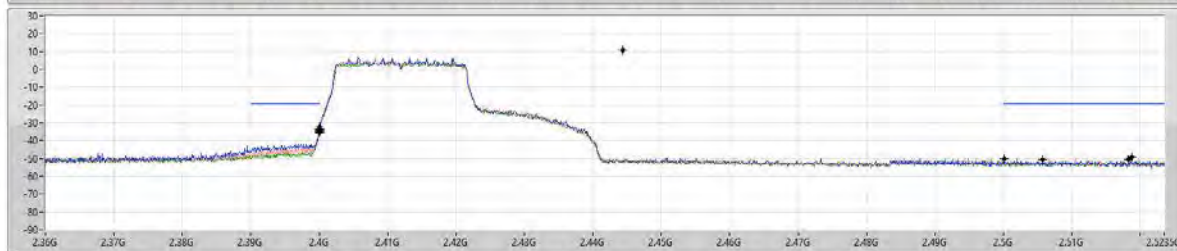
2412MHz

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



13/09/2023

Port 1
Port 2
Port 3
Port 4



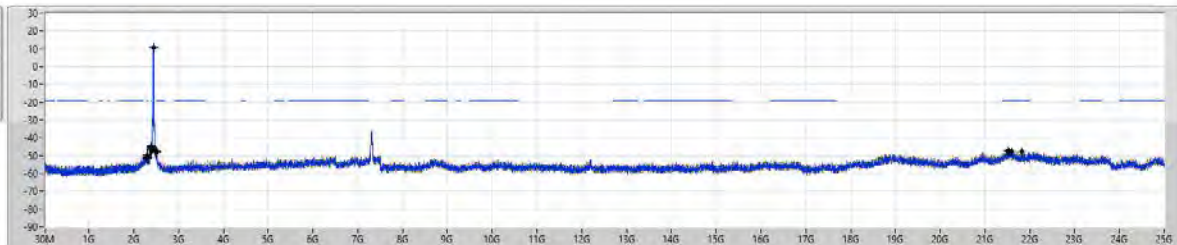
Ref(fz)	Ref(dBm)	Limit(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Port
2.44442G	10.91	-19.09	2.30641G	-53.72	2.4G	-35.05	2.4G	-34.43	2.5183G	-50.80	7.23233G	-43.16	1
2.44442G	10.91	-19.09	2.30175G	-50.81	2.4G	-35.41	2.4G	-32.43	2.50014G	-19.96	7.23233G	-42.31	2
2.44442G	10.91	-19.09	2.30408G	-53.01	2.4G	-35.15	2.4G	-33.96	2.5187G	-49.04	7.23514G	-43.64	3
2.44442G	10.91	-19.09	2.30525G	-51.88	2.4G	-34.24	2.4G	-32.24	2.50574G	-50.83	7.23514G	-42.28	4

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSEndB

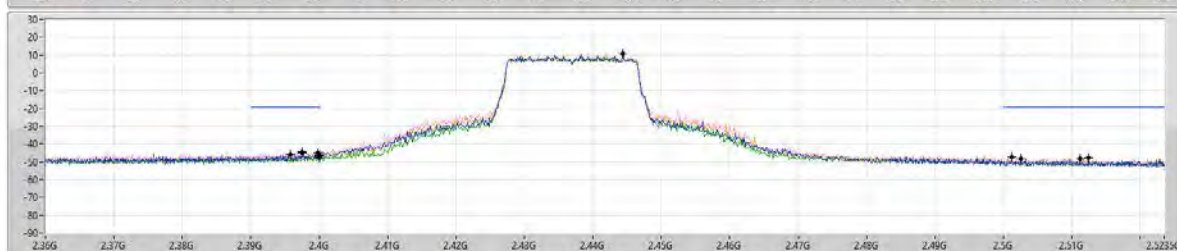
2437MHz

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



13/09/2023

Port 1
Port 2
Port 3
Port 4



Ref(fz)	Ref(dBm)	Limit(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Freq(fz)	Level(dBm)	Port
2.44442G	10.91	-19.09	2.30408G	-51.29	2.39975G	-44.93	2.4G	-46.33	2.5124G	-47.74	21.81396G	-48.01	1
2.44442G	10.91	-19.09	2.30758G	-49.75	2.39744G	-44.75	2.4G	-46.82	2.50262G	-48.07	21.89629G	-47.24	2
2.44442G	10.91	-19.09	2.30175G	-51.40	2.39584G	-45.88	2.4G	-47.68	2.5118G	-48.36	21.53581G	-47.74	3
2.44442G	10.91	-19.09	2.30991G	-50.90	2.39753G	-45.22	2.4G	-47.94	2.50118G	-47.25	21.60043G	-47.89	4

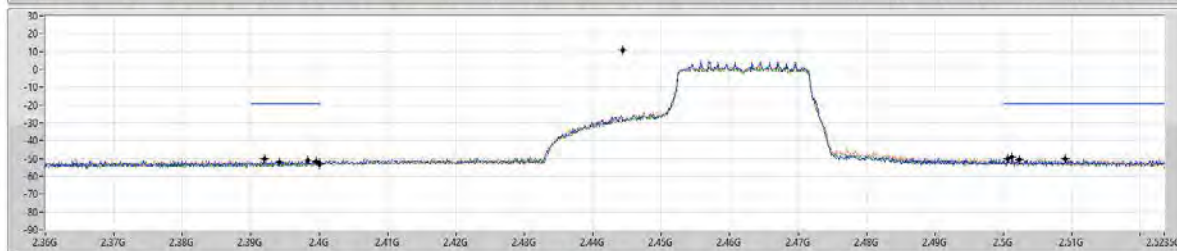
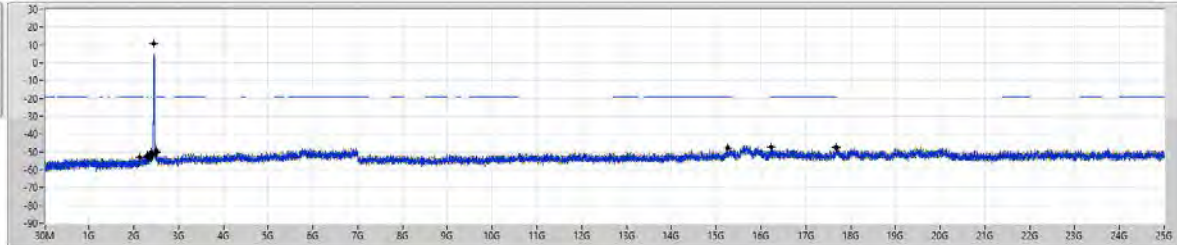
2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSEndB

2462MHz

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

11/09/2023

Port 1
Port 2
Port 3
Port 4

Ref(Fz)	Ref(dBm)	Limit(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Port
2.44442G	10.91	-19.09	2.30175G	-51.86	2.392G	-50.14	2.4G	-53.52	2.50062G	-50.38	15.26487G	-47.84	1
2.44442G	10.91	-19.09	2.30991G	-52.92	2.3996G	-51.52	2.4G	-53.53	2.5023G	-50.85	16.22299G	-47.56	2
2.44442G	10.91	-19.09	2.31632G	-52.95	2.39418G	-51.80	2.4G	-52.36	2.50118G	-49.22	17.66985G	-47.45	3
2.44442G	10.91	-19.09	2.30525G	-52.08	2.39832G	-51.22	2.4G	-53.38	2.50903G	-49.95	17.67266G	-47.67	4

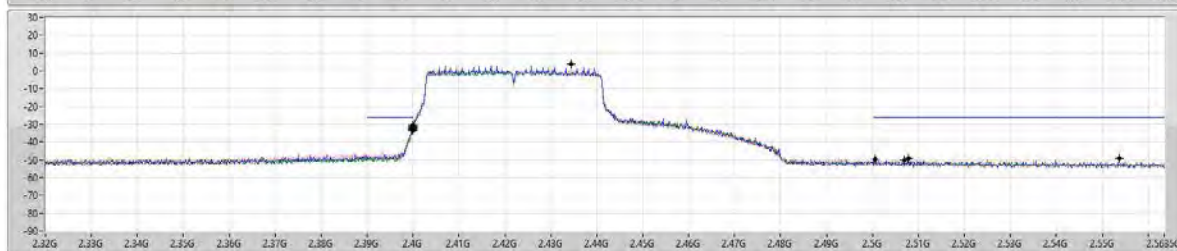
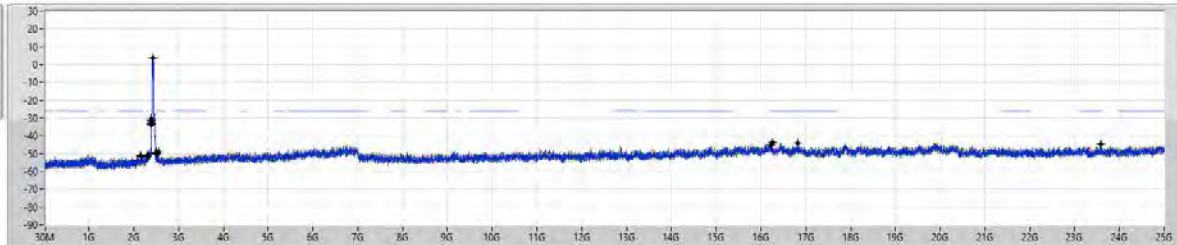
2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSEndB

2422MHz

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

18/09/2023

Port 1
Port 2
Port 3
Port 4

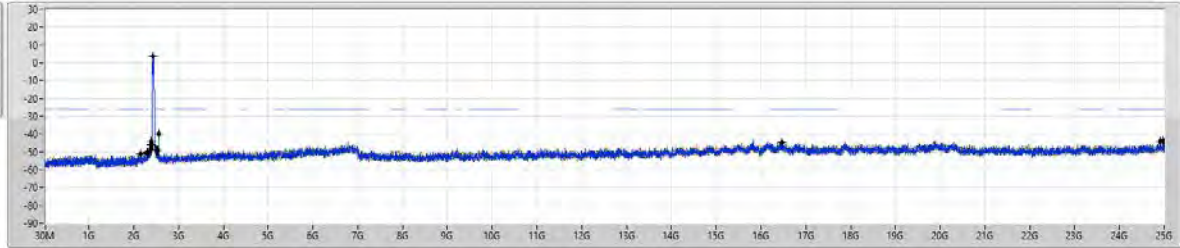
Ref(Fz)	Ref(dBm)	Limit(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Freq(Fz)	Level(dBm)	Port
2.4344G	3.78	-26.22	2.31589G	-51.23	2.4G	-33.88	2.4G	-31.61	2.50702G	-49.42	16.0275G	-44.09	1
2.4344G	3.78	-26.22	2.31888G	-51.53	2.4G	-33.13	2.4G	-32.05	2.55174G	-49.00	16.22172G	-45.21	2
2.4344G	3.78	-26.22	2.30676G	-51.63	2.4G	-32.94	2.4G	-32.70	2.50686G	-50.27	16.25257G	-45.51	3
2.4344G	3.78	-26.22	2.30855G	-50.56	2.39984G	-33.00	2.4G	-30.32	2.5062G	-40.59	23.5837G	-44.76	4

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

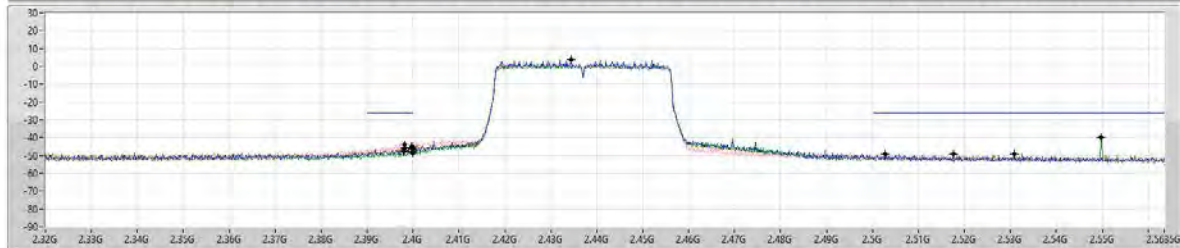
CSEndB

2437MHz

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



18/09/2023
Port 1
Port 2
Port 3
Port 4



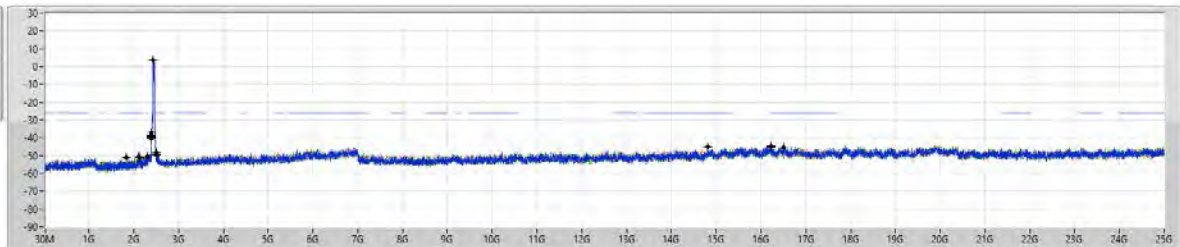
Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4344G	3.78	-26.22	2.14825G	-50.86	2.39966G	-45.63	2.4G	-47.80	2.53066G	-49.33	2.491306G	-43.98	1
2.4344G	3.78	-26.22	2.30741G	-50.63	2.39808G	-43.92	2.4G	-43.36	2.51738G	-49.41	16.4573G	-44.61	2
2.4344G	3.78	-26.22	2.3097G	-50.42	2.39700G	-47.59	2.4G	-48.13	2.54974G	-39.85	24.96154G	-41.74	3
2.4344G	3.78	-26.22	2.30283G	-50.33	2.39808G	-46.01	2.4G	-46.20	2.5027G	-49.01	25G	-44.72	4

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

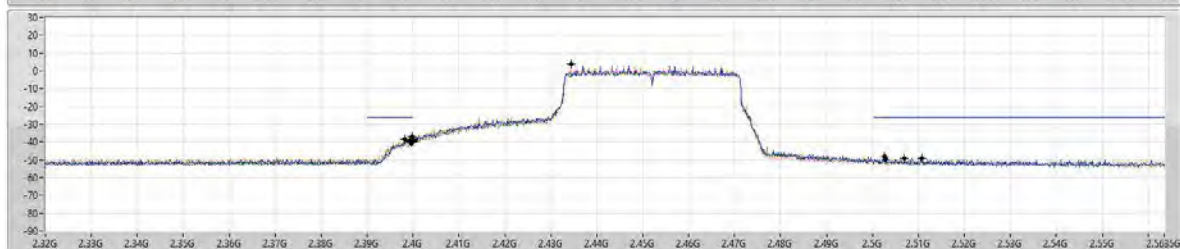
CSEndB

2452MHz

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



18/09/2023
Port 1
Port 2
Port 3
Port 4



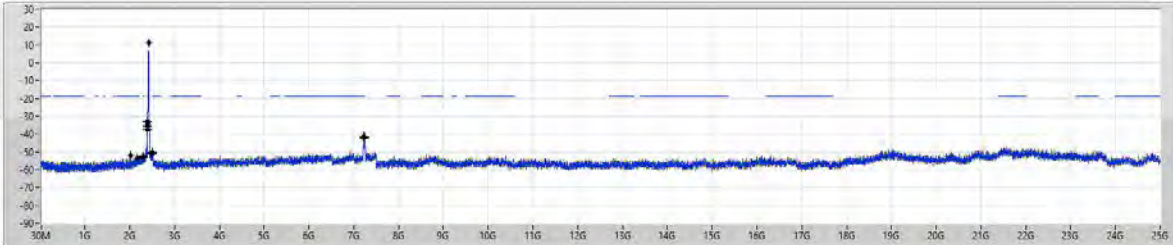
Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4344G	3.78	-26.22	1.84025G	-51.22	2.39808G	-38.46	2.4G	-39.63	2.50254G	-40.44	16.23013G	-44.91	1
2.4344G	3.78	-26.22	2.11619G	-50.70	2.3992G	-39.17	2.4G	-39.39	2.5107G	-49.26	14.80261G	-45.01	2
2.4344G	3.78	-26.22	2.1265G	-51.15	2.39968G	-40.24	2.4G	-39.11	2.50286G	-49.46	16.22793G	-44.73	3
2.4344G	3.78	-26.22	2.30283G	-50.83	2.39994G	-37.14	2.4G	-38.40	2.50702G	-49.32	16.49657G	-45.42	4

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

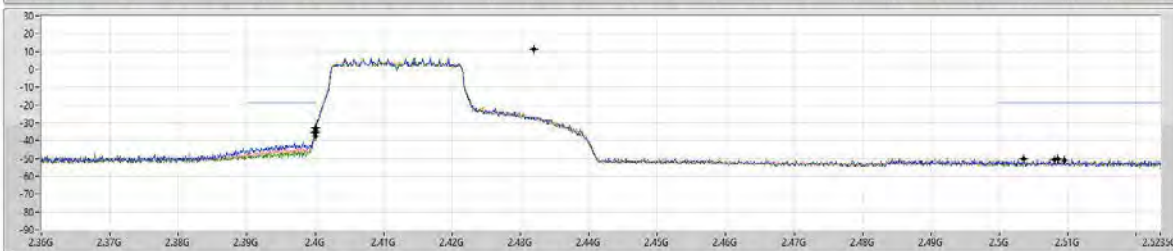
CSEndB

2412MHz

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



13/09/2023
Port 1
Port 2
Port 3
Port 4



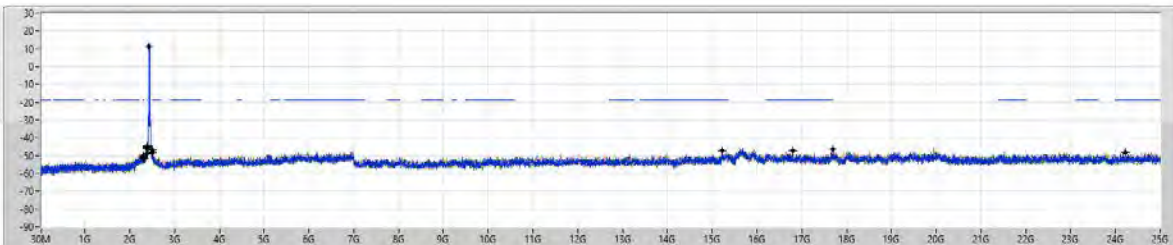
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4119G	11.27	-18.73	2.402099G	-52.24	2.4G	-35.48	2.4G	-34.78	2.50359G	-50.20	7.22952G	-41.35	1
2.4119G	11.27	-18.73	2.30325G	-52.70	2.39992G	-35.46	2.4G	-33.34	2.50854G	-50.05	7.24076G	-41.93	2
2.4119G	11.27	-18.73	2.17477G	-53.67	2.4G	-37.34	2.4G	-37.83	2.50806G	-50.67	7.22952G	-42.25	3
2.4119G	11.27	-18.73	2.30758G	-52.81	2.4G	-35.79	2.4G	-33.48	2.5095G	-51.20	7.22952G	-42.11	4

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

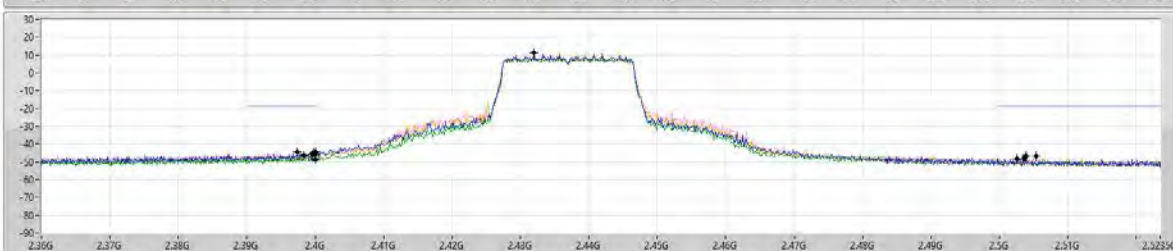
CSEndB

2437MHz

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



13/09/2023
Port 1
Port 2
Port 3
Port 4



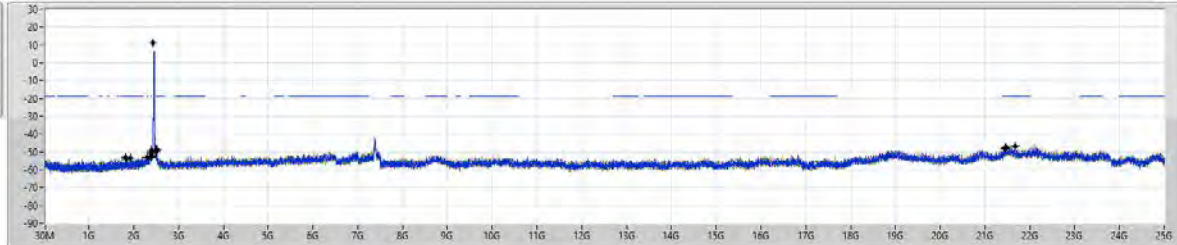
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	11.27	-18.73	2.30991G	-51.48	2.39736G	-44.63	2.4G	-45.86	2.5039G	-46.69	15.22834G	-47.25	1
2.4319G	11.27	-18.73	2.30175G	-50.01	2.39976G	-44.99	2.4G	-44.67	2.5038G	-48.12	24.21013G	-48.10	2
2.4319G	11.27	-18.73	2.30641G	-50.88	2.3984G	-46.40	2.4G	-48.90	2.50354G	-48.29	17.69333G	-46.47	3
2.4319G	11.27	-18.73	2.30641G	-50.23	2.3999G	-45.85	2.4G	-45.82	2.50334G	-46.88	16.79327G	-47.37	4

2.4-2.4835GHz_802.11ax_HEW20-BF_Nss2,(MCS0)_4TX

CSEndB

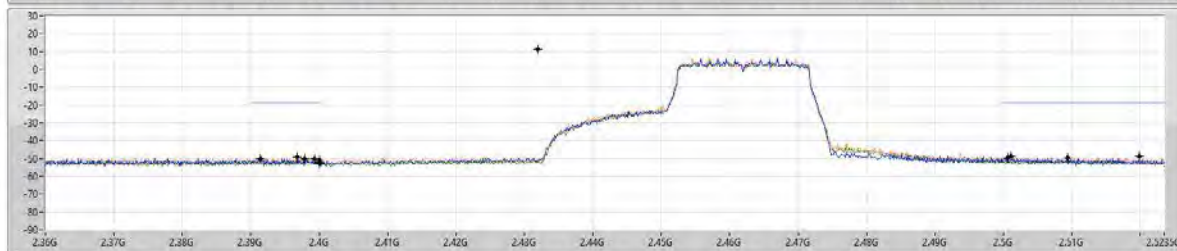
2462MHz

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



11/09/2023

Port 1
Port 2
Port 3
Port 4



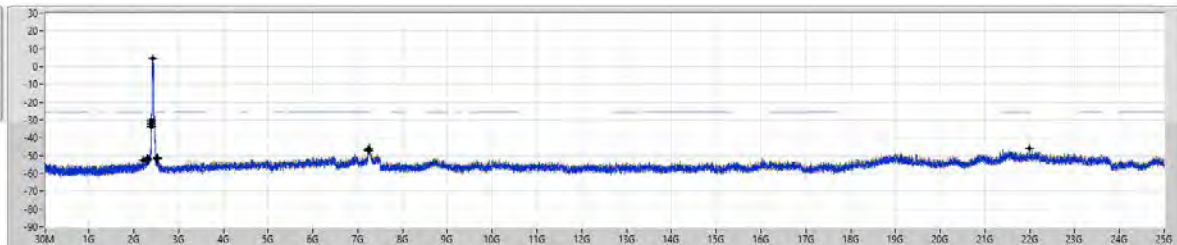
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	11.27	-18.73	1.80779G	-52.92	2.39136G	-50.15	2.4G	-52.56	2.50942G	-49.57	21.44028G	-48.16	1
2.4319G	11.27	-18.73	2.30292G	-52.76	2.39686G	-49.19	2.4G	-52.84	2.50711G	-48.28	21.43995G	-47.45	2
2.4319G	11.27	-18.73	1.91963G	-53.65	2.39784G	-50.00	2.4G	-52.12	2.50062G	-49.72	21.44871G	-47.71	3
2.4319G	11.27	-18.73	1.83692G	-54.08	2.39938G	-49.97	2.4G	-51.01	2.51982G	-48.57	21.66505G	-46.70	4

2.4-2.4835GHz_802.11ax_HEW40-BF_Nss2,(MCS0)_4TX

CSEndB

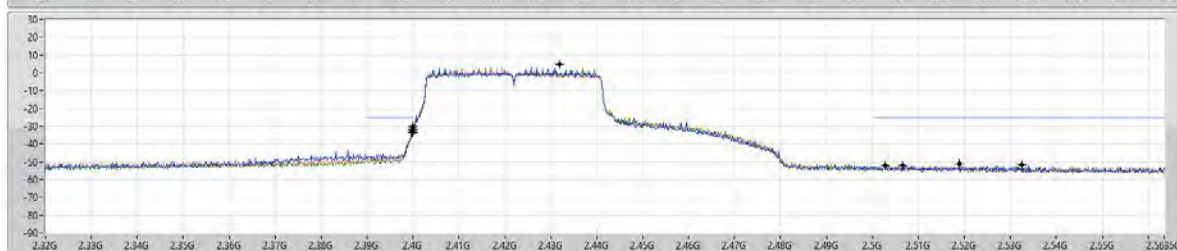
2422MHz

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



24/07/2023

Port 1
Port 2
Port 3
Port 4



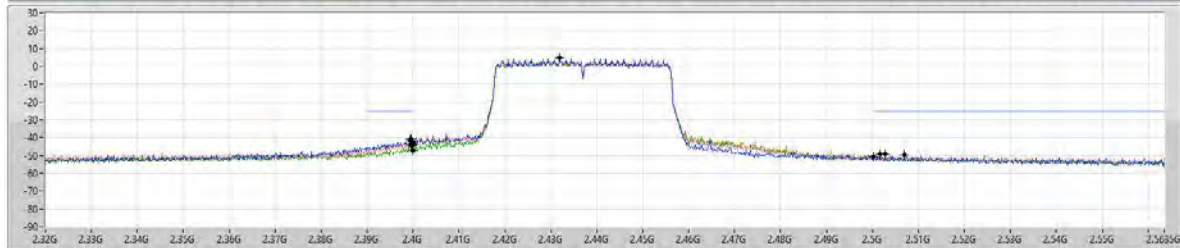
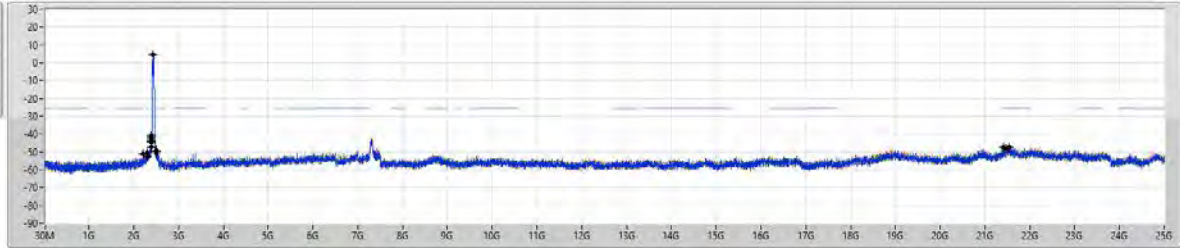
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	4.85	-25.15	2.3097G	-52.12	2.4G	-33.51	2.4G	-31.81	2.5027G	-52.10	21.98229G	-46.15	1
2.4319G	4.85	-25.15	2.30054G	-51.51	2.39984G	-33.39	2.4G	-32.11	2.51886G	-51.20	21.98299G	-46.74	2
2.4319G	4.85	-25.15	2.30741G	-52.33	2.4G	-33.94	2.4G	-30.12	2.50654G	-52.11	21.98151G	-47.39	3
2.4319G	4.85	-25.15	2.19978G	-52.64	2.4G	-33.66	2.4G	-30.89	2.53246G	-51.58	21.98125G	-46.17	4

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

CSEndB

2437MHz

24/01/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

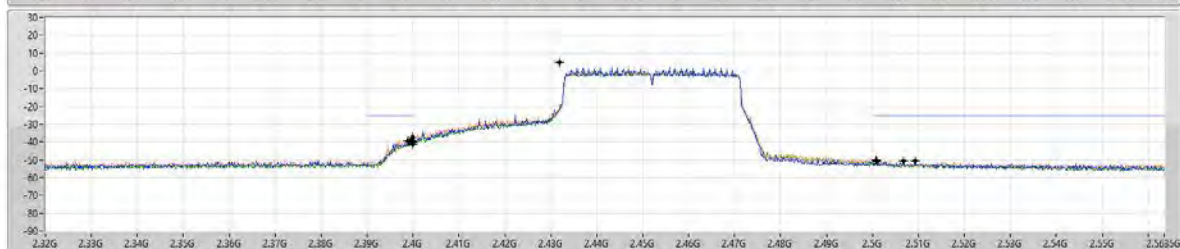
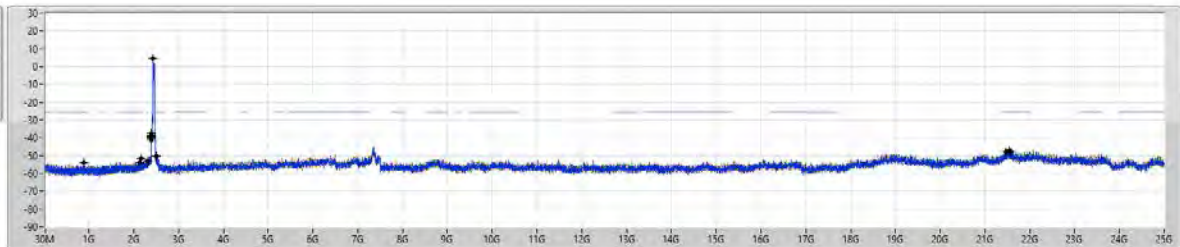
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	4.85	-25.15	2.30054G	-50.47	2.39966G	-40.73	2.4G	-42.66	2.5003G	-50.42	2.141016G	-47.43	1
2.4319G	4.85	-25.15	2.19749G	-50.97	2.39966G	-40.95	2.4G	-43.61	2.50174G	-49.38	2.154478G	-47.37	2
2.4319G	4.85	-25.15	2.30391G	-52.72	2.39966G	-44.73	2.4G	-47.27	2.50276G	-49.37	2.148308G	-48.17	3
2.4319G	4.85	-25.15	2.30741G	-52.48	2.39966G	-41.51	2.4G	-44.51	2.50686G	-40.55	2.145764G	-48.24	4

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

CSEndB

2452MHz

24/01/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

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
2.4319G	4.85	-25.15	2.13337G	-53.05	2.39952G	-39.20	2.4G	-40.54	2.50078G	-49.99	2.147186G	-47.75	1
2.4319G	4.85	-25.15	2.30855G	-53.19	2.39888G	-39.29	2.4G	-37.52	2.50926G	-50.74	2.154758G	-47.31	2
2.4319G	4.85	-25.15	893.33M	-54.04	2.39966G	-38.91	2.4G	-41.47	2.50676G	-50.74	2.157002G	-47.79	3
2.4319G	4.85	-25.15	2.17973G	-51.75	2.39952G	-38.89	2.4G	-39.61	2.50094G	-50.60	2.153356G	-47.35	4



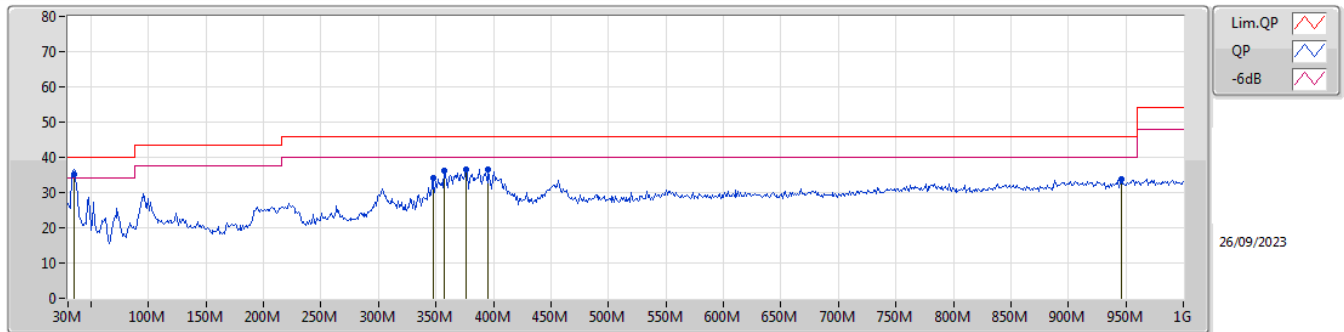
Radiated Emissions below 1GHz

Appendix E.1

Summary

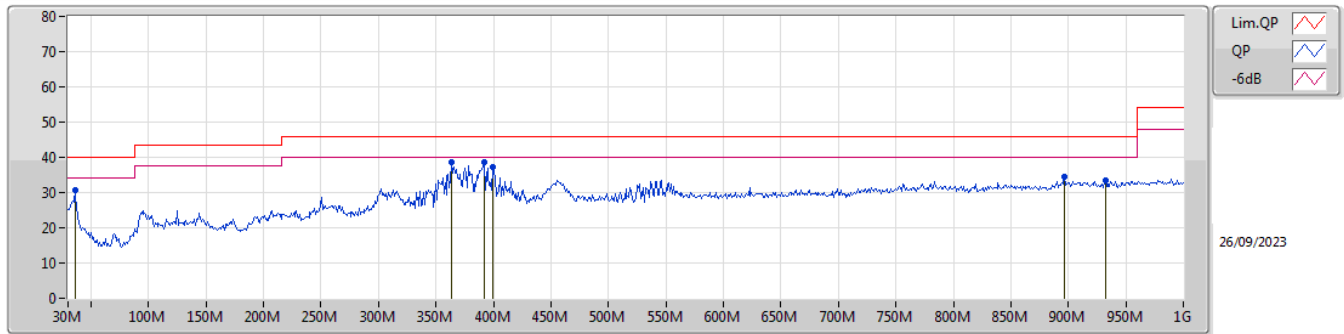
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	34.85M	35.13	40.00	-4.87	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)		
QP	34.85M	35.13	40.00	-4.87	-9.43	3	Vertical	12	1.00	"Worst"	44.56	21.63	1.00	32.06		
PK	347.19M	33.97	46.00	-12.03	-9.10	3	Vertical	202	1.50	-	43.07	20.00	2.49	31.59		
PK	356.89M	36.12	46.00	-9.88	-8.47	3	Vertical	202	1.25	-	44.59	20.56	2.54	31.57		
PK	376.29M	36.67	46.00	-9.33	-8.12	3	Vertical	184	1.50	-	44.79	20.77	2.66	31.55		
PK	395.69M	36.51	46.00	-9.49	-7.37	3	Vertical	3	1.25	-	43.88	21.39	2.77	31.53		
PK	946.65M	33.84	46.00	-12.16	0.34	3	Vertical	104	1.25	-	33.50	26.61	4.29	30.56		

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	35.82M	30.72	40.00	-9.28	-9.94	3	Horizontal	213	1.25	-	40.66	21.13	1.00	32.07		
PK	363.68M	38.79	46.00	-7.21	-8.28	3	Horizontal	273	1.00	"Worst"	47.07	20.70	2.58	31.56		
PK	391.81M	38.56	46.00	-7.44	-7.51	3	Horizontal	59	1.00	-	46.07	21.27	2.75	31.53		
PK	399.57M	37.08	46.00	-8.92	-7.17	3	Horizontal	68	1.00	-	44.25	21.55	2.80	31.52		
PK	896.21M	34.55	46.00	-11.45	-0.41	3	Horizontal	38	1.00	-	34.96	26.44	4.18	31.03		
PK	932.1M	33.57	46.00	-12.43	0.04	3	Horizontal	360	2.00	-	33.53	26.49	4.26	30.71		

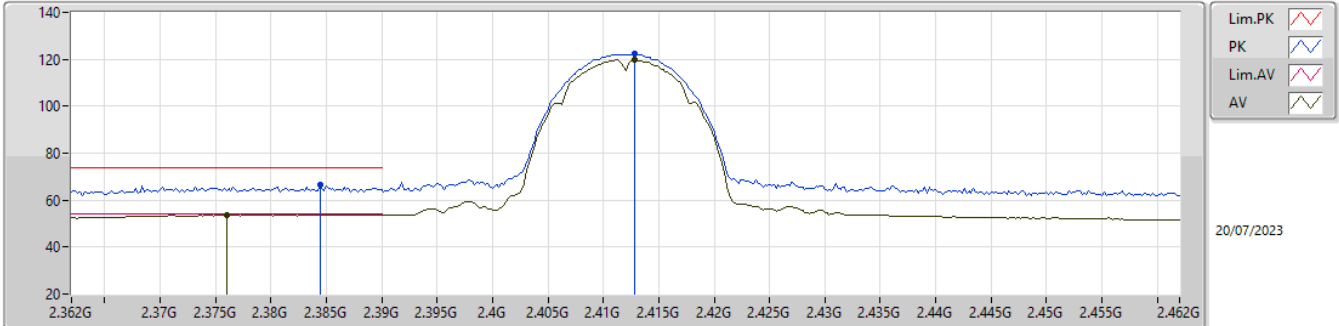


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1.(6Mbps)_4TX	Pass	AV	2.3886G	53.98	54.00	-0.02	3	Vertical	179	1.80	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

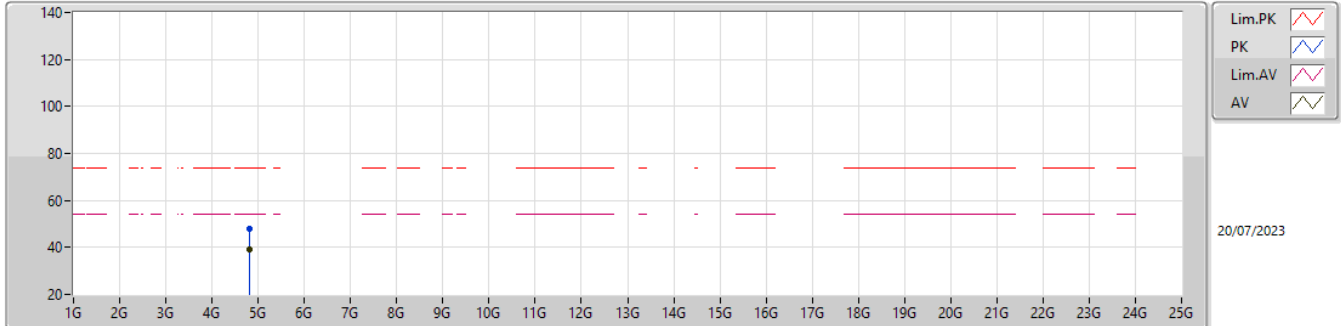


EUT_Z_4TX
Setting 88
04-I-G-5

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	2.3844G	66.74	74.00	-7.26	35.94	3	Vertical	152	1.83	-	27.61	3.19	-				
AV	2.376G	53.86	54.00	-0.14	23.11	3	Vertical	152	1.83	-	27.56	3.19	-				
PK	2.4128G	122.22	Inf	-Inf	91.31	3	Vertical	152	1.83	-	27.70	3.21	-				
AV	2.4128G	119.75	Inf	-Inf	88.84	3	Vertical	152	1.83	-	27.70	3.21	-				

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

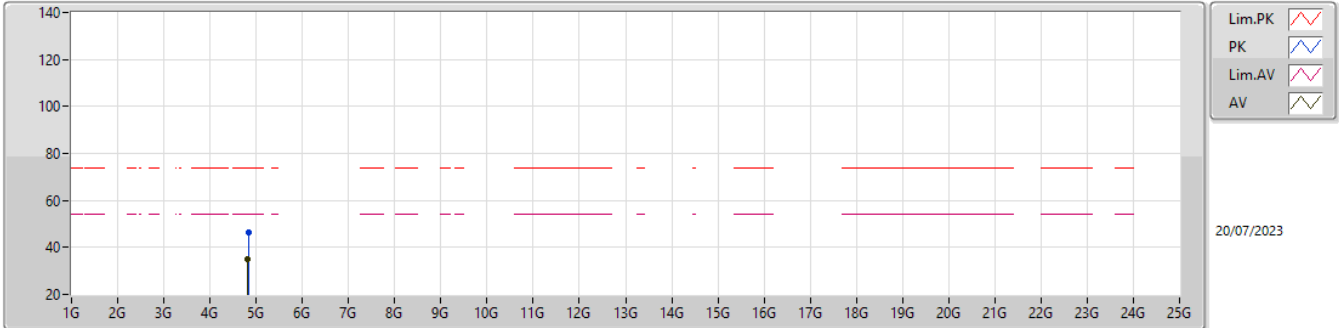


EUT_Z_4TX
Setting 88
04-I-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.82396G	48.12	74.00	-25.88	42.80	3	Vertical	81	1.26	-	32.65	5.30	32.63			
AV	4.82396G	39.29	54.00	-14.71	33.97	3	Vertical	81	1.26	-	32.65	5.30	32.63			

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

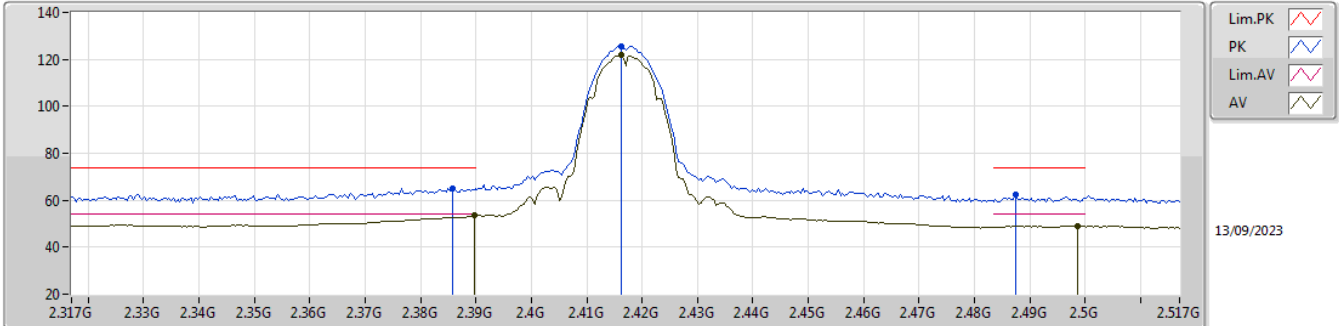


EUT_Z_4TX
Setting 88
04-I-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	4.83372G	46.26	74.00	-27.74	40.89	3	Horizontal	225	1.66	-	32.67	5.30	32.60				
AV	4.82388G	34.81	54.00	-19.19	29.49	3	Horizontal	225	1.66	-	32.65	5.30	32.63				

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2417MHz_TX

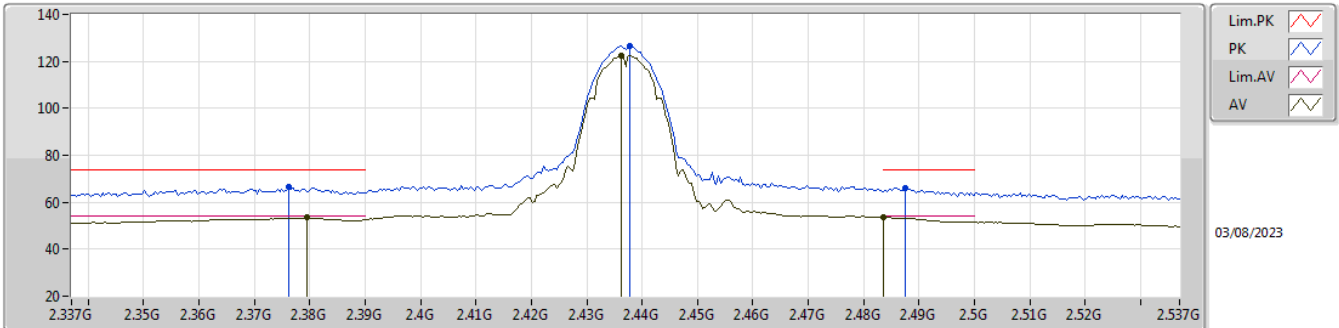


EUT_Z_4TX
Setting 99
02-E-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3858G	64.99	74.00	-9.01	33.40	3	Vertical	306	2.47	-	28.40	3.19	-			
AV	2.3898G	53.53	54.00	-0.47	21.94	3	Vertical	306	2.47	-	28.40	3.19	-			
PK	2.4162G	125.69	Inf	-Inf	94.08	3	Vertical	306	2.47	-	28.40	3.21	-			
AV	2.4162G	121.78	Inf	-Inf	90.17	3	Vertical	306	2.47	-	28.40	3.21	-			
PK	2.4874G	62.44	74.00	-11.56	30.70	3	Vertical	306	2.47	-	28.50	3.24	-			
AV	2.4986G	48.90	54.00	-5.10	17.06	3	Vertical	306	2.47	-	28.59	3.25	-			

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

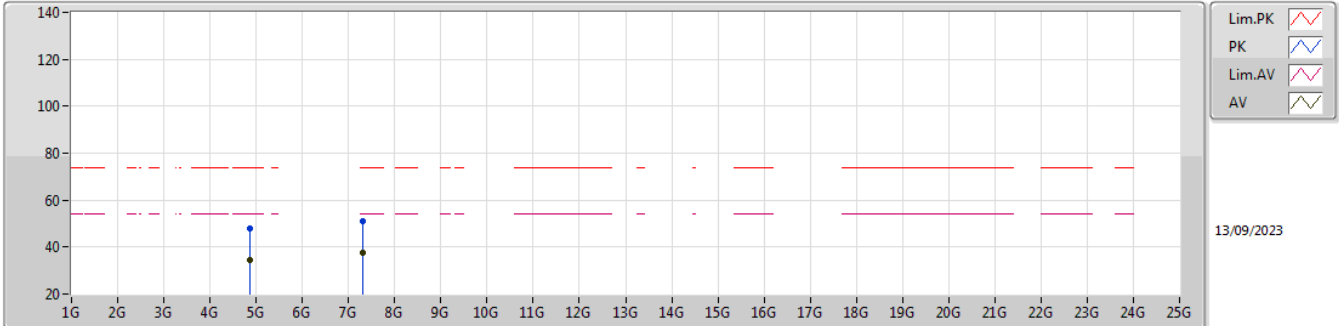


EUT_Z_4TX
Setting 100
06-D-J-8

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	2.3762G	66.39	74.00	-7.61	34.03	3	Vertical	207	1.80	-	27.30	5.06	-			
AV	2.3794G	53.38	54.00	-0.62	21.00	3	Vertical	207	1.80	-	27.32	5.06	-			
PK	2.4378G	126.41	Inf	-Inf	93.82	3	Vertical	207	1.80	-	27.48	5.11	-			
AV	2.4362G	122.45	Inf	-Inf	89.87	3	Vertical	207	1.80	-	27.47	5.11	-			
PK	2.4874G	66.00	74.00	-8.00	33.17	3	Vertical	207	1.80	-	27.72	5.11	-			
AV	2.4835G	53.66	54.00	-0.34	20.85	3	Vertical	207	1.80	-	27.70	5.11	-			

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

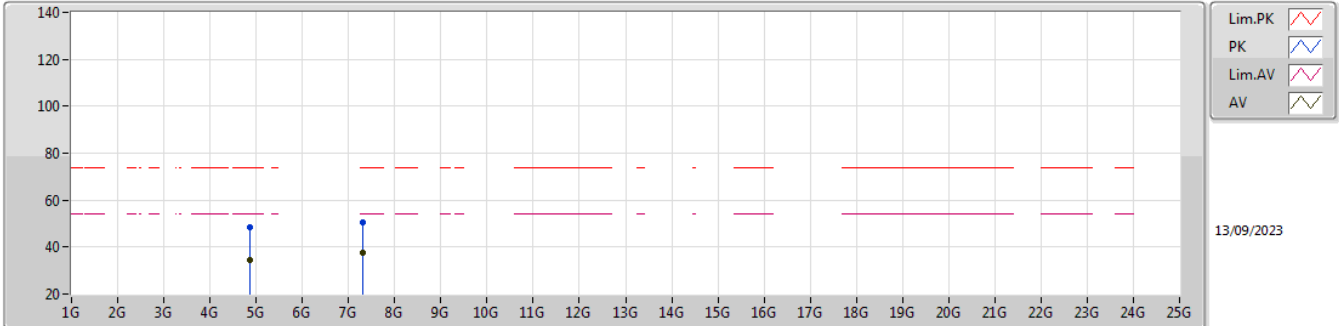


EUT_Z_4TX
Setting 100
02-E-G-4

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	4.86482G	48.07	74.00	-25.93	39.96	3	Vertical	52	1.55	-	33.13	5.63	30.65				
AV	4.87562G	34.65	54.00	-19.35	26.50	3	Vertical	52	1.55	-	33.15	5.64	30.64				
PK	7.30644G	50.92	74.00	-23.08	39.57	3	Vertical	98	3.00	-	36.61	6.85	32.11				
AV	7.3002G	37.59	54.00	-16.41	26.25	3	Vertical	98	3.00	-	36.60	6.85	32.11				

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

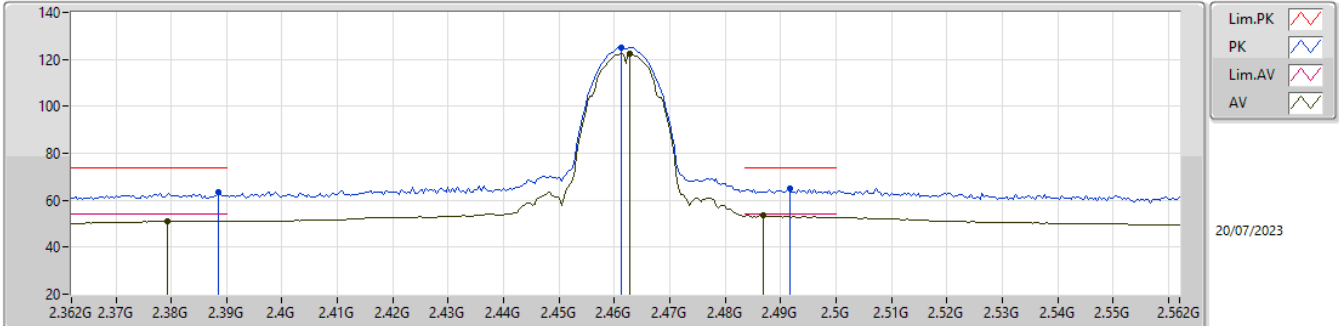


EUT_Z_4TX
Setting 100
02-E-G-4

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	4.86692G	48.33	74.00	-25.67	40.22	3	Horizontal	205	2.37	-	33.13	5.63	30.65				
AV	4.87496G	34.65	54.00	-19.35	26.50	3	Horizontal	205	2.37	-	33.15	5.64	30.64				
PK	7.29762G	50.69	74.00	-23.31	39.36	3	Horizontal	203	1.82	-	36.59	6.85	32.11				
AV	7.29756G	37.47	54.00	-16.53	26.14	3	Horizontal	203	1.82	-	36.59	6.85	32.11				

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

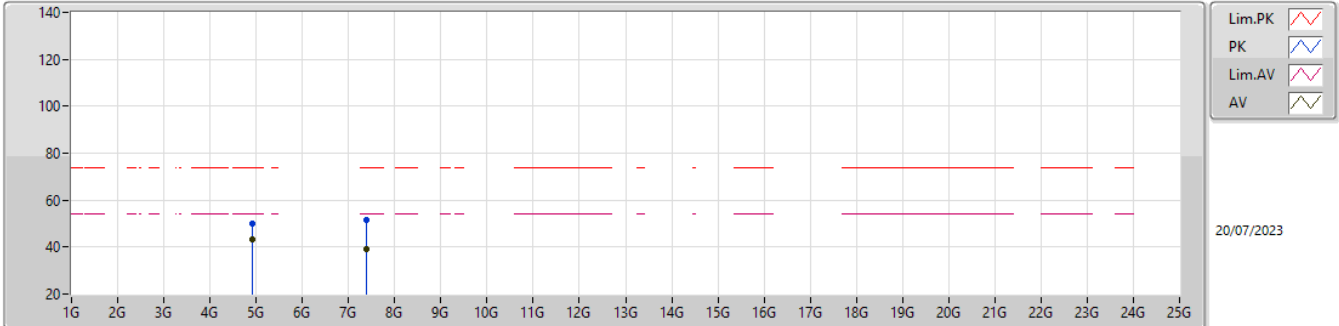


EUT_Z_4TX
Setting 92
04-I-G-5

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	2.3884G	63.30	74.00	-10.70	32.48	3	Vertical	326	2.05	-	27.63	3.19	-			
AV	2.3792G	51.21	54.00	-2.79	20.44	3	Vertical	326	2.05	-	27.58	3.19	-			
PK	2.4612G	125.00	Inf	-Inf	94.00	3	Vertical	326	2.05	-	27.74	3.26	-			
AV	2.4628G	122.49	Inf	-Inf	91.48	3	Vertical	326	2.05	-	27.75	3.26	-			
PK	2.4916G	64.93	74.00	-9.07	33.77	3	Vertical	326	2.05	-	27.87	3.29	-			
AV	2.4868G	53.71	54.00	-0.29	22.57	3	Vertical	326	2.05	-	27.85	3.29	-			

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

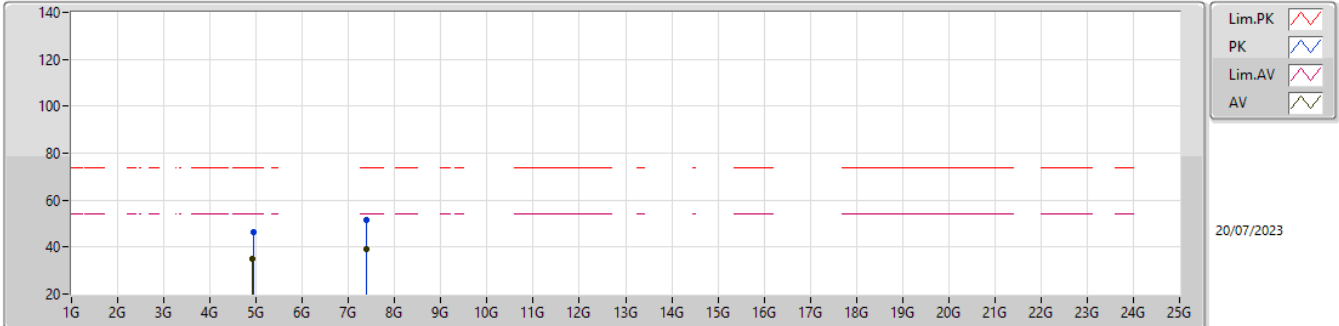


EUT_Z_4TX
Setting 92
04-I-P-5

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	4.92384G	49.76	74.00	-24.24	44.00	3	Vertical	183	1.00	-	32.85	5.30	32.39			
AV	4.924G	43.08	54.00	-10.92	37.32	3	Vertical	183	1.00	-	32.85	5.30	32.39			
PK	7.38716G	51.63	74.00	-22.37	41.21	3	Vertical	134	2.40	-	37.55	6.99	34.12			
AV	7.39584G	39.01	54.00	-14.99	28.62	3	Vertical	134	2.40	-	37.52	7.00	34.13			

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

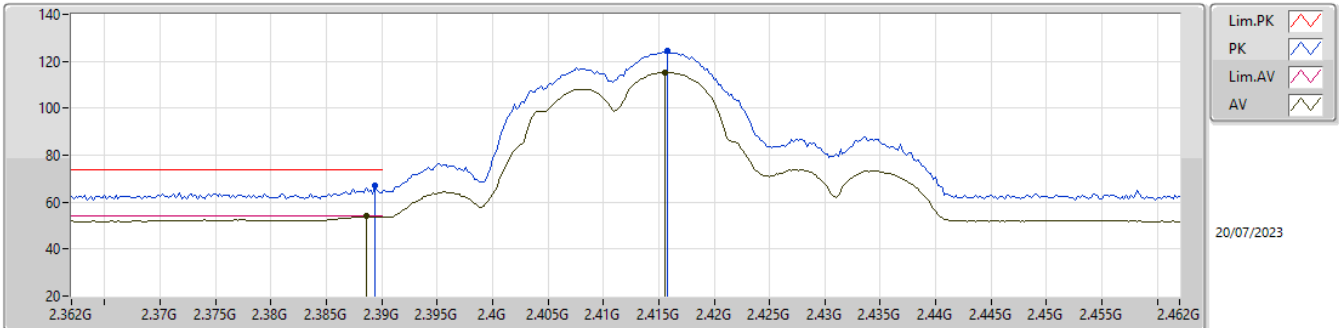


EUT_Z_4TX
Setting 92
04-I-P-5

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	4.93188G	46.49	74.00	-27.51	40.70	3	Horizontal	261	1.17	-	32.86	5.30	32.37			
AV	4.92396G	34.77	54.00	-19.23	29.01	3	Horizontal	261	1.17	-	32.85	5.30	32.39			
PK	7.37772G	51.66	74.00	-22.34	41.21	3	Horizontal	58	1.57	-	37.59	6.98	34.12			
AV	7.39584G	39.01	54.00	-14.99	28.62	3	Horizontal	58	1.57	-	37.52	7.00	34.13			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

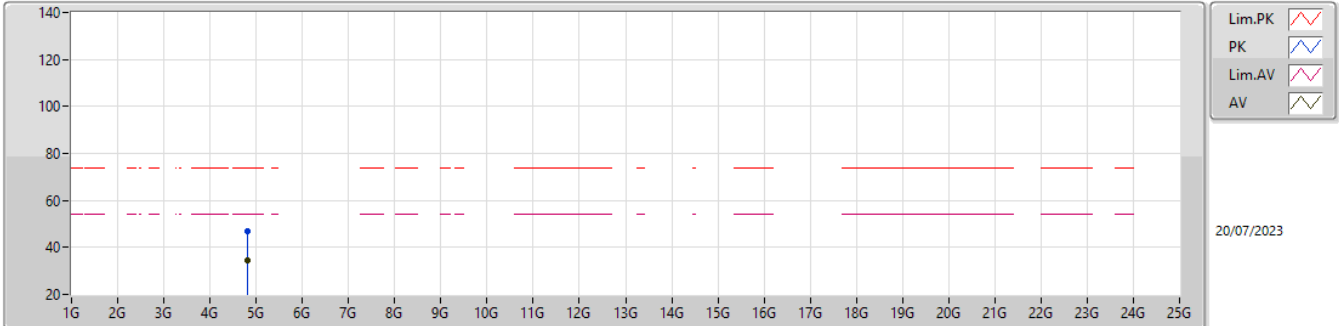


EUT_Z_4TX
Setting 86
04-I-P-5

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	2.3894G	67.03	74.00	-6.97	36.20	3	Vertical	179	1.80	-	27.64	3.19	-				
AV	2.3886G	53.98	54.00	-0.02	23.16	3	Vertical	179	1.80	-	27.63	3.19	-				
PK	2.4158G	124.27	Inf	-Inf	93.35	3	Vertical	179	1.80	-	27.70	3.22	-				
AV	2.4156G	115.32	Inf	-Inf	84.40	3	Vertical	179	1.80	-	27.70	3.22	-				

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

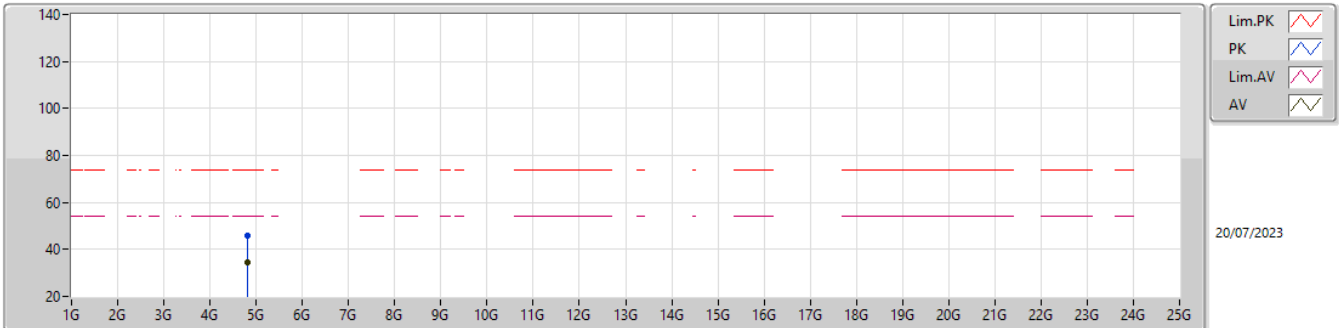


EUT_Z_4TX
Setting 86
04-I-P-5

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	4.81464G	46.84	74.00	-27.16	41.56	3	Vertical	58	1.00	-	32.63	5.30	32.65			
AV	4.81788G	34.58	54.00	-19.42	29.28	3	Vertical	58	1.00	-	32.64	5.30	32.64			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

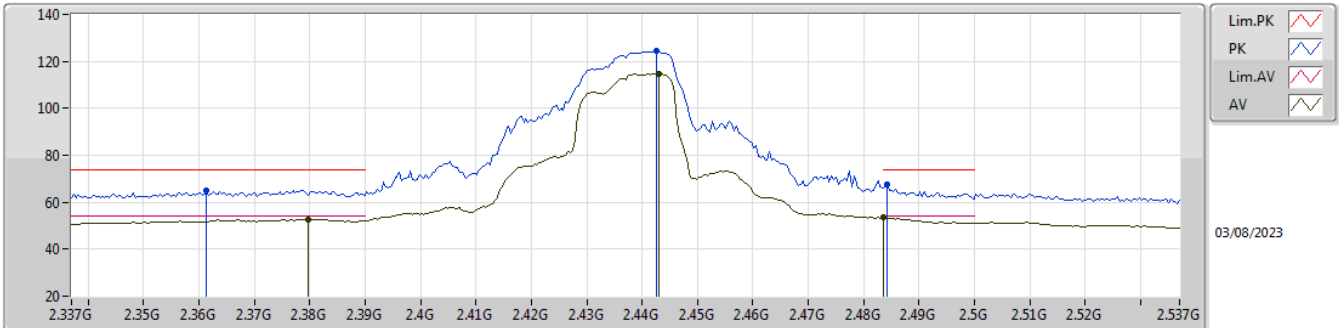


EUT_Z_4TX
Setting 86
04-I-P-5

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	4.81432G	45.84	74.00	-28.16	40.56	3	Horizontal	185	1.54	-	32.63	5.30	32.65			
AV	4.81708G	34.25	54.00	-19.75	28.96	3	Horizontal	185	1.54	-	32.63	5.30	32.64			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

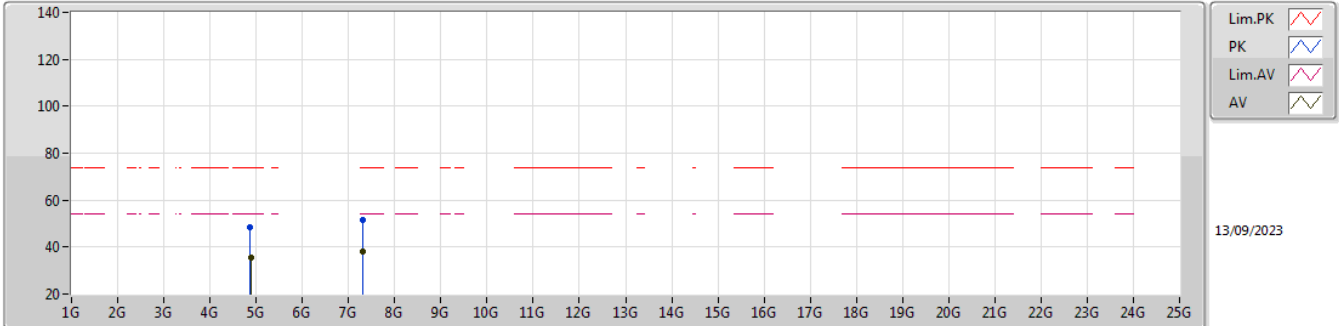


EUT_Z_4TX
Setting 97
06-D-J-8

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	2.3614G	64.88	74.00	-9.12	32.61	3	Vertical	126	2.09	-	27.25	5.02	-			
AV	2.3798G	52.82	54.00	-1.18	20.44	3	Vertical	126	2.09	-	27.32	5.06	-			
PK	2.4426G	124.53	Inf	-Inf	91.93	3	Vertical	126	2.09	-	27.49	5.11	-			
AV	2.443G	114.81	Inf	-Inf	82.21	3	Vertical	126	2.09	-	27.49	5.11	-			
PK	2.4842G	67.54	74.00	-6.46	34.72	3	Vertical	126	2.09	-	27.71	5.11	-			
AV	2.4835G	53.50	54.00	-0.50	20.69	3	Vertical	126	2.09	-	27.70	5.11	-			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

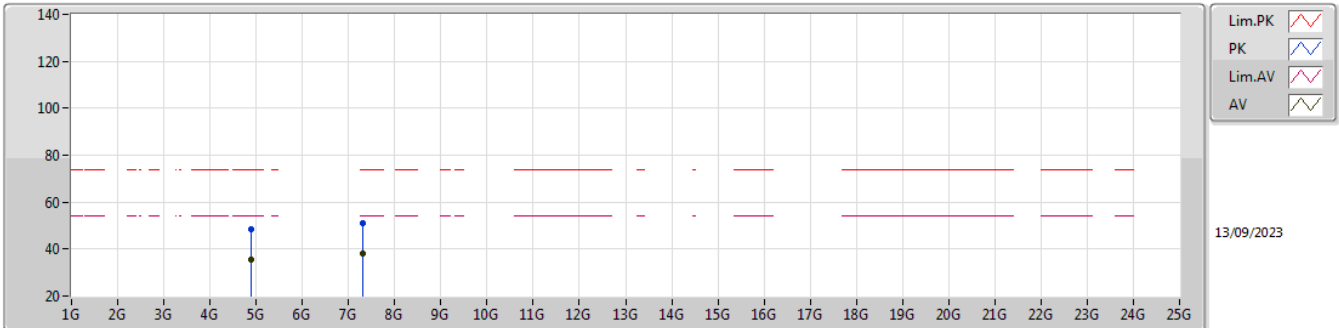


EUT_Z_4TX
Setting 97
02-E-G-4

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	4.87034G	48.51	74.00	-25.49	40.38	3	Vertical	7	1.00	-	33.14	5.64	30.65			
AV	4.88408G	35.52	54.00	-18.48	27.35	3	Vertical	7	1.00	-	33.17	5.64	30.64			
PK	7.31442G	51.65	74.00	-22.35	40.30	3	Vertical	79	2.12	-	36.63	6.84	32.12			
AV	7.3176G	38.34	54.00	-15.66	26.98	3	Vertical	79	2.12	-	36.64	6.84	32.12			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

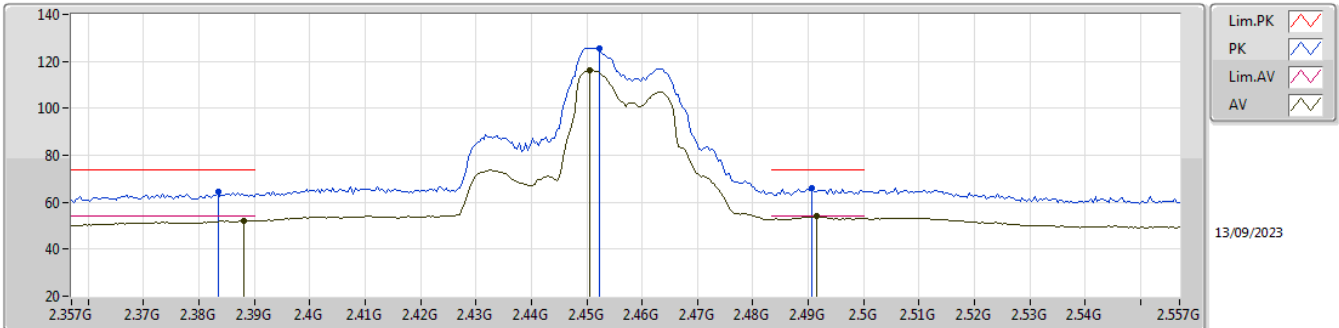


EUT_Z_4TX
Setting 97
02-E-G-4

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	4.88834G	48.46	74.00	-25.54	40.27	3	Horizontal	353	2.39	-	33.18	5.64	30.63			
AV	4.8866G	35.41	54.00	-18.59	27.23	3	Horizontal	353	2.39	-	33.17	5.64	30.63			
PK	7.30524G	50.80	74.00	-23.20	39.45	3	Horizontal	15	1.39	-	36.61	6.85	32.11			
AV	7.30692G	38.33	54.00	-15.67	26.98	3	Horizontal	15	1.39	-	36.61	6.85	32.11			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

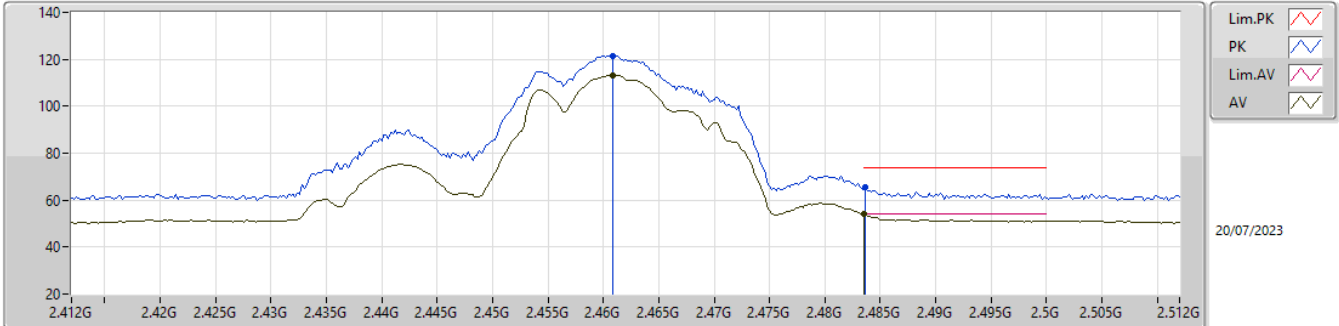


EUT_Z_4TX
Setting 97
02-E-G-4

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	2.3834G	64.23	74.00	-9.77	32.64	3	Vertical	125	1.92	-	28.40	3.19	-			
AV	2.3882G	52.01	54.00	-1.99	20.42	3	Vertical	125	1.92	-	28.40	3.19	-			
PK	2.4522G	125.59	Inf	-Inf	93.94	3	Vertical	125	1.92	-	28.42	3.23	-			
AV	2.4506G	116.17	Inf	-Inf	84.53	3	Vertical	125	1.92	-	28.41	3.23	-			
PK	2.4906G	65.87	74.00	-8.13	34.11	3	Vertical	125	1.92	-	28.51	3.25	-			
AV	2.4914G	53.89	54.00	-0.11	22.13	3	Vertical	125	1.92	-	28.51	3.25	-			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

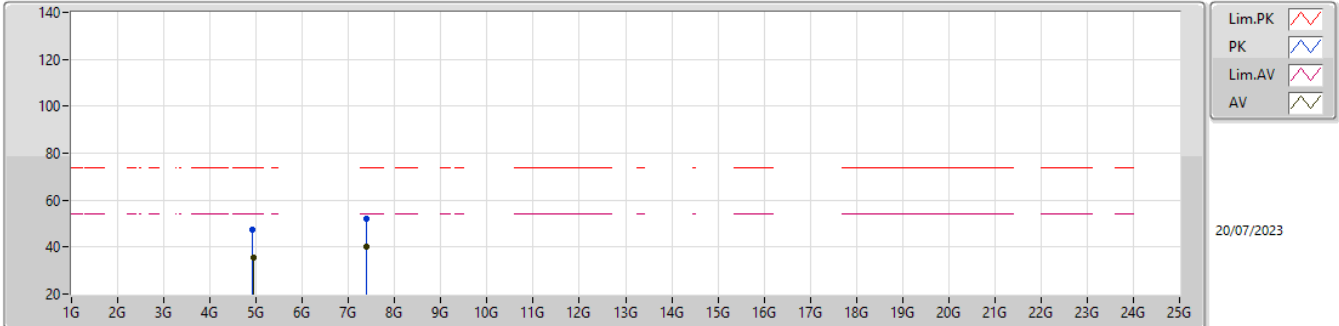


EUT_Z_4TX
Setting 82
04-I-P-5

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	2.4608G	121.53	Inf	-Inf	90.53	3	Vertical	159	1.80	-	27.74	3.26	-				
AV	2.4608G	113.21	Inf	-Inf	82.21	3	Vertical	159	1.80	-	27.74	3.26	-				
PK	2.4836G	65.70	74.00	-8.30	34.59	3	Vertical	159	1.80	-	27.83	3.28	-				
AV	2.4835G	53.92	54.00	-0.08	22.81	3	Vertical	159	1.80	-	27.83	3.28	-				

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

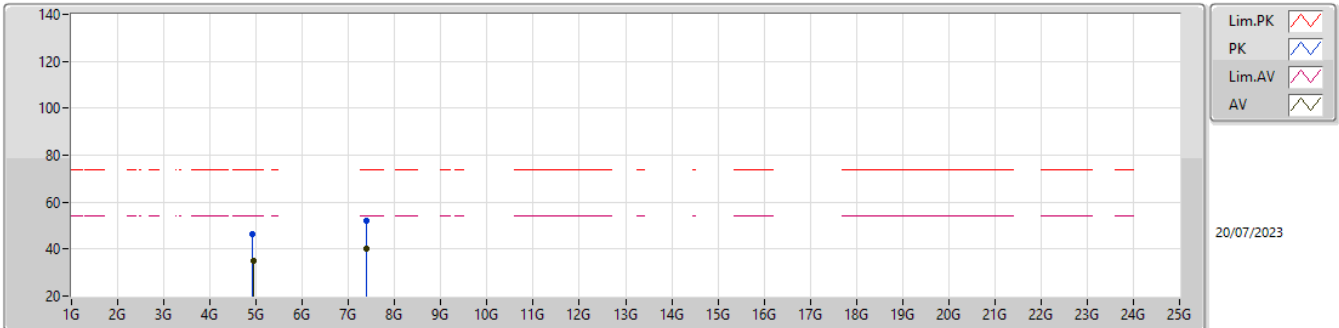


EUT_Z_4TX
Setting 82
04-I-P-5

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	4.92728G	47.23	74.00	-26.77	41.46	3	Vertical	26	1.07	-	32.85	5.30	32.38			
AV	4.93336G	35.27	54.00	-18.73	29.47	3	Vertical	26	1.07	-	32.87	5.30	32.37			
PK	7.38248G	52.02	74.00	-21.98	41.59	3	Vertical	180	2.95	-	37.57	6.98	34.12			
AV	7.386G	40.26	54.00	-13.74	29.83	3	Vertical	180	2.95	-	37.56	6.99	34.12			

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

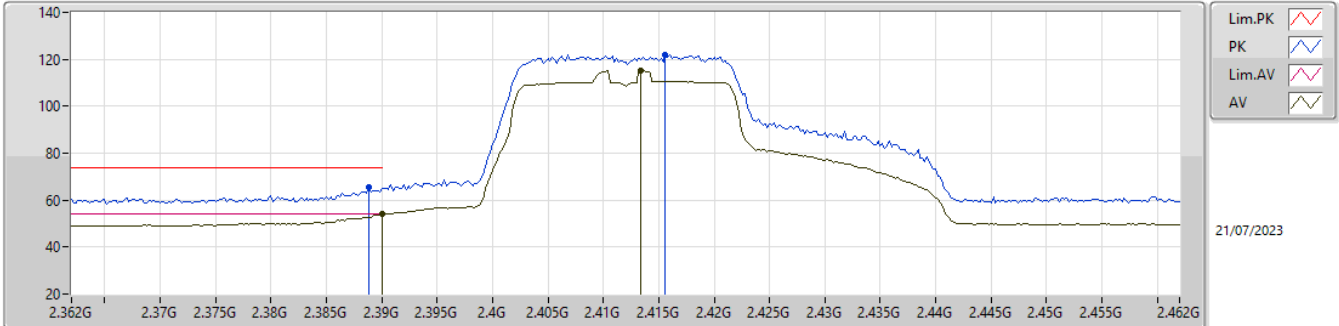


EUT_Z_4TX
Setting 82
04-I-P-5

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	4.9244G	46.50	74.00	-27.50	40.74	3	Horizontal	180	2.45	-	32.85	5.30	32.39			
AV	4.93236G	35.16	54.00	-18.84	29.37	3	Horizontal	180	2.45	-	32.86	5.30	32.37			
PK	7.39596G	52.02	74.00	-21.98	41.63	3	Horizontal	332	2.02	-	37.52	7.00	34.13			
AV	7.38672G	40.36	54.00	-13.64	29.94	3	Horizontal	332	2.02	-	37.55	6.99	34.12			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

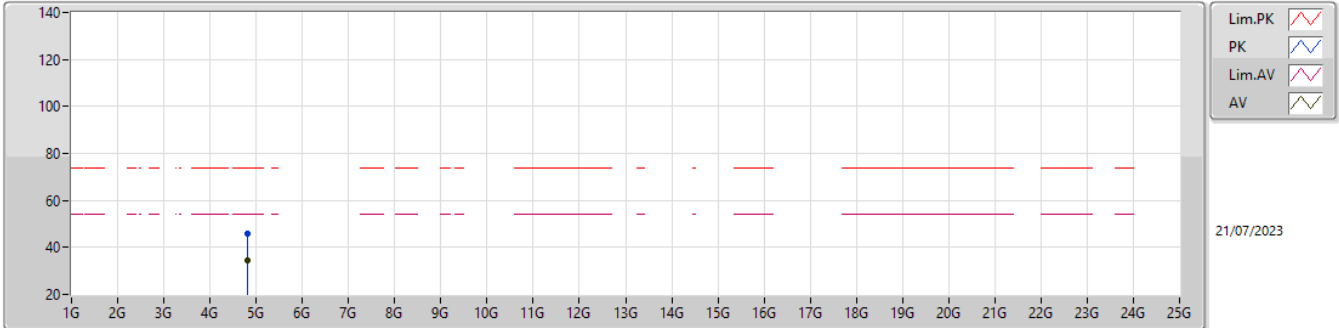


EUT_Z_4TX
Setting 76
04-I-P-5

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	65.27	74.00	-8.73	34.45	3	Vertical	306	1.36	-	27.63	3.19	-			
AV	2.39G	53.88	54.00	-0.12	23.04	3	Vertical	306	1.36	-	27.64	3.20	-			
PK	2.4156G	121.76	Inf	-Inf	90.84	3	Vertical	306	1.36	-	27.70	3.22	-			
AV	2.4134G	115.10	Inf	-Inf	84.19	3	Vertical	306	1.36	-	27.70	3.21	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

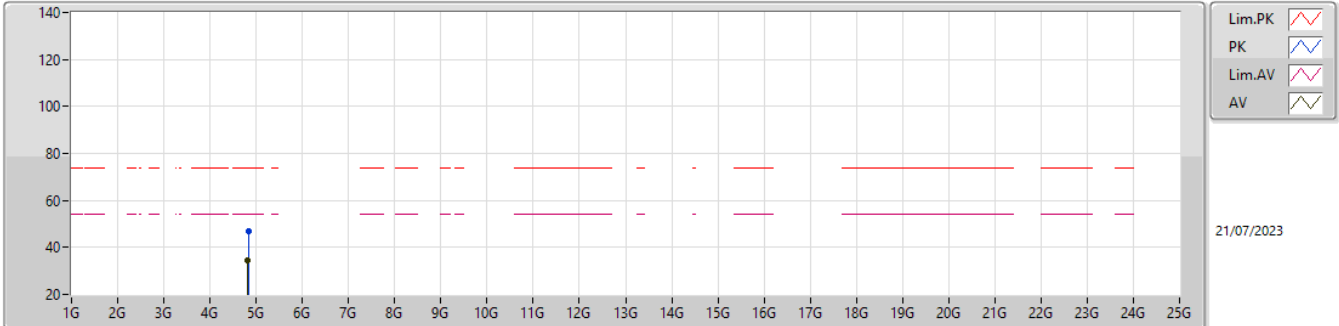


EUT_Z_4TX
Setting 76
04-I-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.82392G	45.99	74.00	-28.01	40.67	3	Vertical	273	1.31	-	32.65	5.30	32.63			
AV	4.8196G	34.52	54.00	-19.48	29.22	3	Vertical	273	1.31	-	32.64	5.30	32.64			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

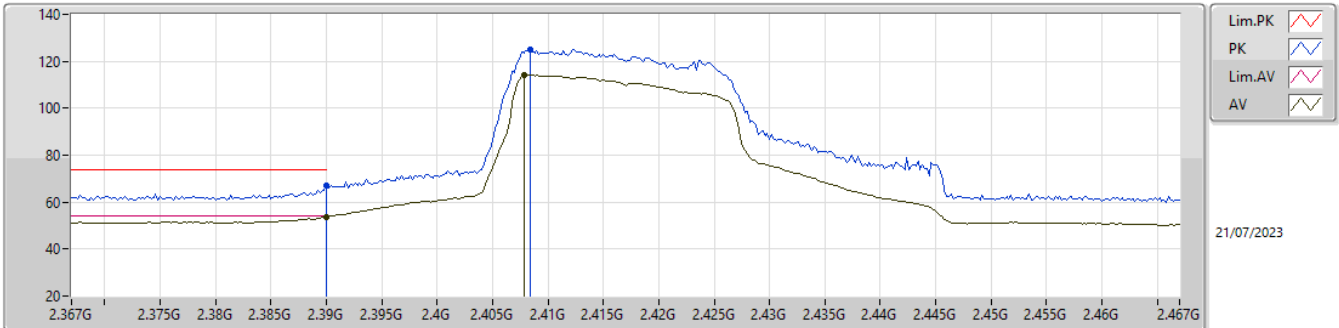


EUT_Z_4TX
Setting 76
04-I-P-5

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	4.83184G	46.75	74.00	-27.25	41.40	3	Horizontal	258	2.19	-	32.66	5.30	32.61			
AV	4.81412G	34.44	54.00	-19.56	29.16	3	Horizontal	258	2.19	-	32.63	5.30	32.65			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

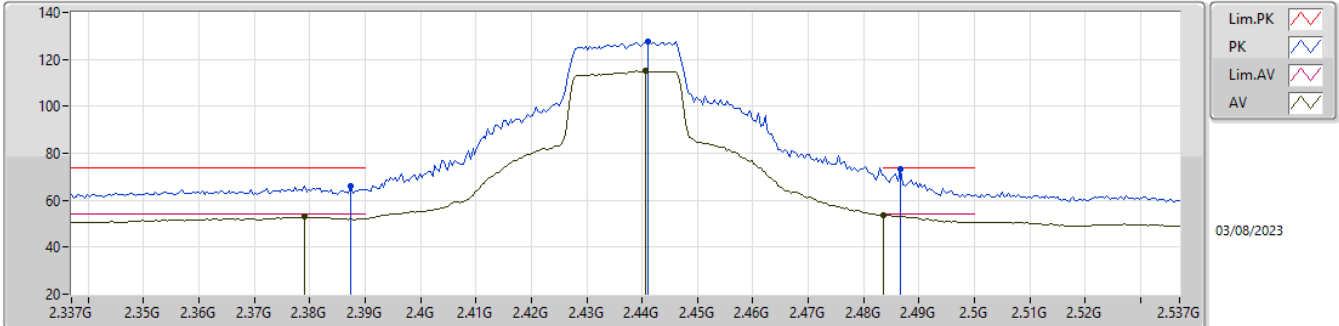


EUT_Z_4TX
Setting 83
04-I-J-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.39G	67.10	74.00	-6.90	36.26	3	Vertical	202	2.43	-	27.64	3.20	-			
AV	2.39G	53.51	54.00	-0.49	22.67	3	Vertical	202	2.43	-	27.64	3.20	-			
PK	2.4084G	124.82	Inf	-Inf	93.91	3	Vertical	202	2.43	-	27.70	3.21	-			
AV	2.4078G	114.26	Inf	-Inf	83.35	3	Vertical	202	2.43	-	27.70	3.21	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

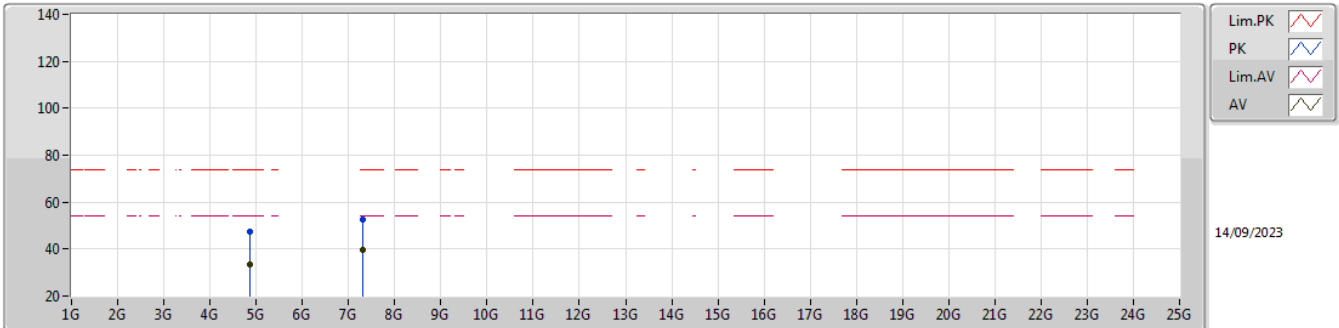


EUT_Z_4TX
Setting 93
06-D-J-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3874G	66.26	74.00	-7.74	33.83	3	Vertical	250	2.08	-	27.35	5.08	-			
AV	2.379G	53.16	54.00	-0.84	20.78	3	Vertical	250	2.08	-	27.32	5.06	-			
PK	2.441G	127.83	Inf	-Inf	95.24	3	Vertical	250	2.08	-	27.48	5.11	-			
AV	2.4406G	114.97	Inf	-Inf	82.38	3	Vertical	250	2.08	-	27.48	5.11	-			
PK	2.4866G	73.30	74.00	-0.70	40.47	3	Vertical	250	2.08	-	27.72	5.11	-			
AV	2.4835G	53.75	54.00	-0.25	20.94	3	Vertical	250	2.08	-	27.70	5.11	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

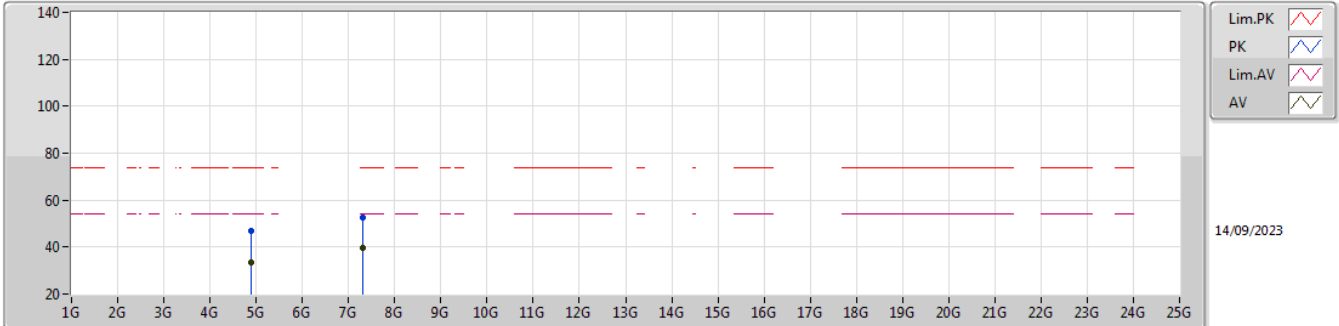


EUT_Z_4TX
Setting 93
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87016G	47.33	74.00	-26.67	41.52	3	Vertical	166	1.07	-	33.00	5.77	32.96			
AV	4.86716G	33.60	54.00	-20.40	27.79	3	Vertical	166	1.07	-	33.00	5.77	32.96			
PK	7.31396G	52.48	74.00	-21.52	40.82	3	Vertical	38	1.68	-	37.60	7.16	33.10			
AV	7.31136G	39.78	54.00	-14.22	28.12	3	Vertical	38	1.68	-	37.60	7.16	33.10			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

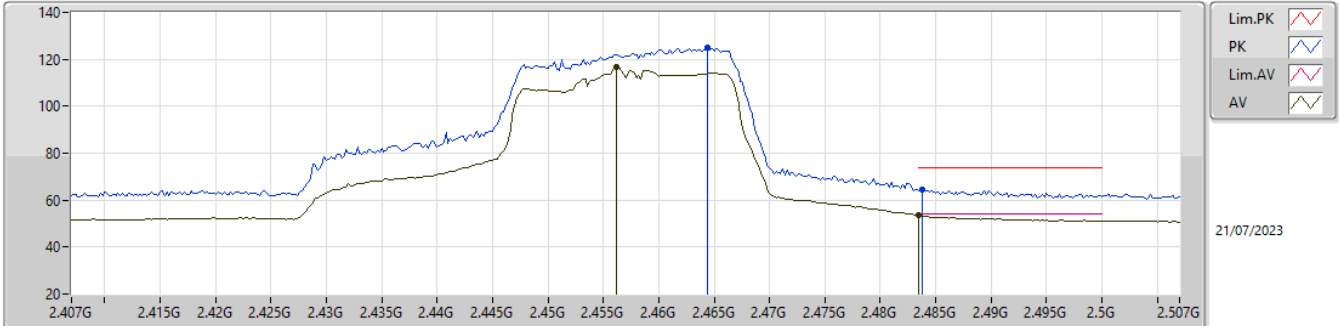


EUT_Z_4TX
Setting 93
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88264G	47.14	74.00	-26.86	41.32	3	Horizontal	232	2.38	-	33.00	5.78	32.96			
AV	4.88084G	33.55	54.00	-20.45	27.73	3	Horizontal	232	2.38	-	33.00	5.78	32.96			
PK	7.30116G	52.49	74.00	-21.51	40.84	3	Horizontal	2	1.92	-	37.60	7.15	33.10			
AV	7.30392G	39.68	54.00	-14.32	28.03	3	Horizontal	2	1.92	-	37.60	7.15	33.10			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

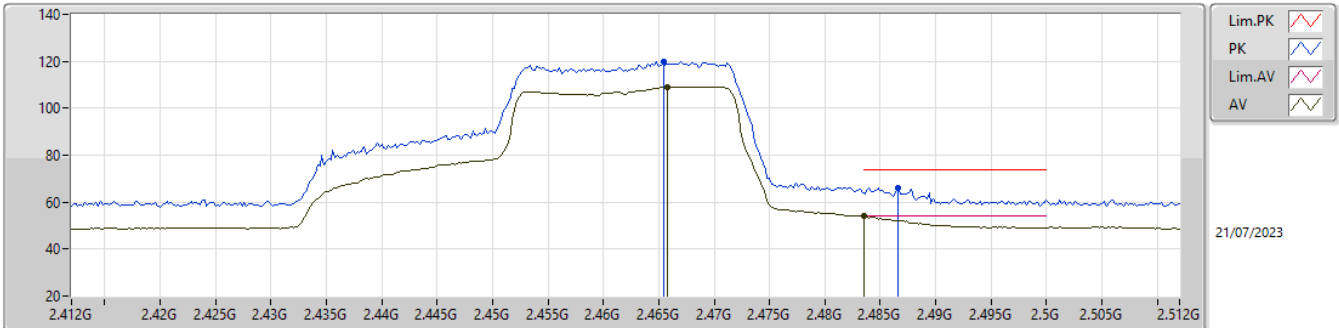


EUT_Z_4TX
Setting 86
04-I-J-8

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	2.4644G	124.96	Inf	-Inf	93.94	3	Vertical	149	1.80	-	27.76	3.26	-			
AV	2.4562G	116.56	Inf	-Inf	85.58	3	Vertical	149	1.80	-	27.72	3.26	-			
PK	2.4838G	64.32	74.00	-9.68	33.20	3	Vertical	149	1.80	-	27.84	3.28	-			
AV	2.4835G	53.77	54.00	-0.23	22.66	3	Vertical	149	1.80	-	27.83	3.28	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

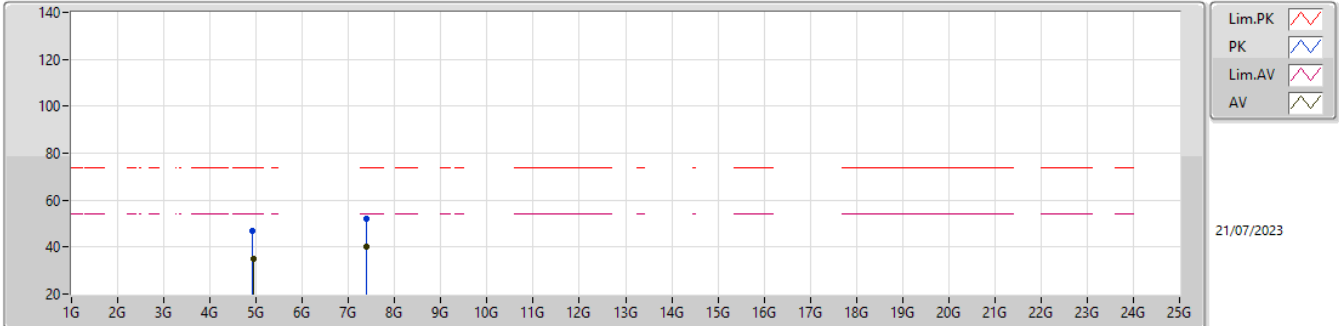


EUT_Z_4TX
Setting 70
04-I-P-5

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	2.4654G	119.66	Inf	-Inf	88.63	3	Vertical	64.2	1.45	-	27.76	3.27	-			
AV	2.4658G	109.19	Inf	-Inf	78.16	3	Vertical	64.2	1.45	-	27.76	3.27	-			
PK	2.4866G	66.15	74.00	-7.85	35.01	3	Vertical	64.2	1.45	-	27.85	3.29	-			
AV	2.4835G	53.90	54.00	-0.10	22.79	3	Vertical	64.2	1.45	-	27.83	3.28	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

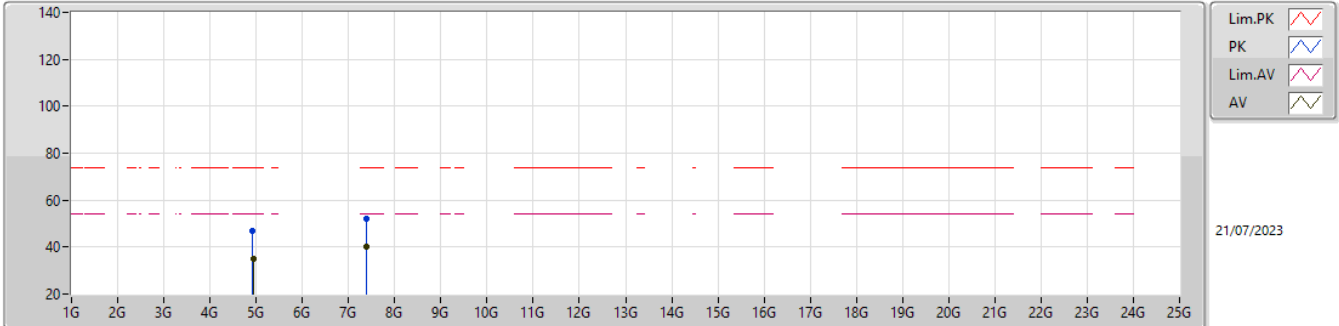


EUT_Z_4TX
Setting 70
04-I-P-5

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	4.91576G	46.71	74.00	-27.29	40.99	3	Vertical	17	2.24	-	32.83	5.30	32.41			
AV	4.93016G	35.16	54.00	-18.84	29.37	3	Vertical	17	2.24	-	32.86	5.30	32.37			
PK	7.3806G	52.11	74.00	-21.89	41.67	3	Vertical	153	2.59	-	37.58	6.98	34.12			
AV	7.3926G	40.18	54.00	-13.82	29.79	3	Vertical	153	2.59	-	37.53	6.99	34.13			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

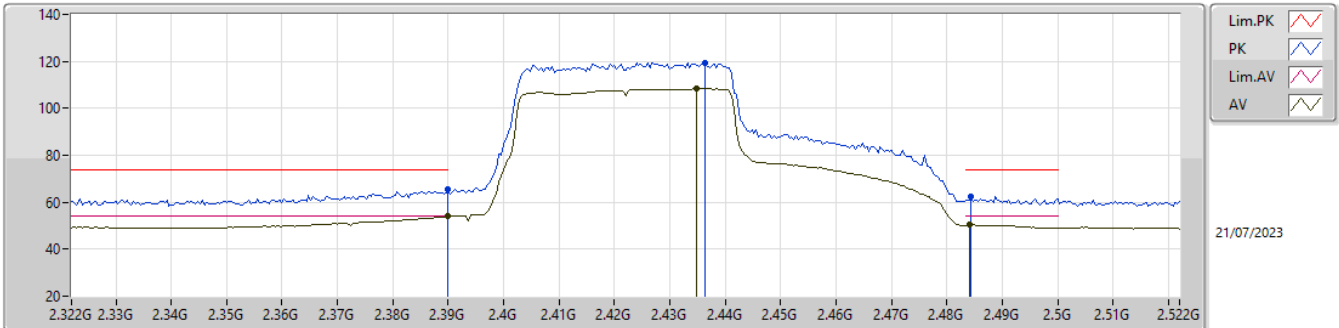


EUT_Z_4TX
Setting 70
04-I-P-5

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	4.92968G	47.06	74.00	-26.94	41.28	3	Horizontal	320	1.60	-	32.86	5.30	32.38			
AV	4.93388G	35.05	54.00	-18.95	29.25	3	Horizontal	320	1.60	-	32.87	5.30	32.37			
PK	7.38408G	51.90	74.00	-22.10	41.48	3	Horizontal	58	1.66	-	37.56	6.98	34.12			
AV	7.39484G	40.34	54.00	-13.66	29.96	3	Horizontal	58	1.66	-	37.52	6.99	34.13			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

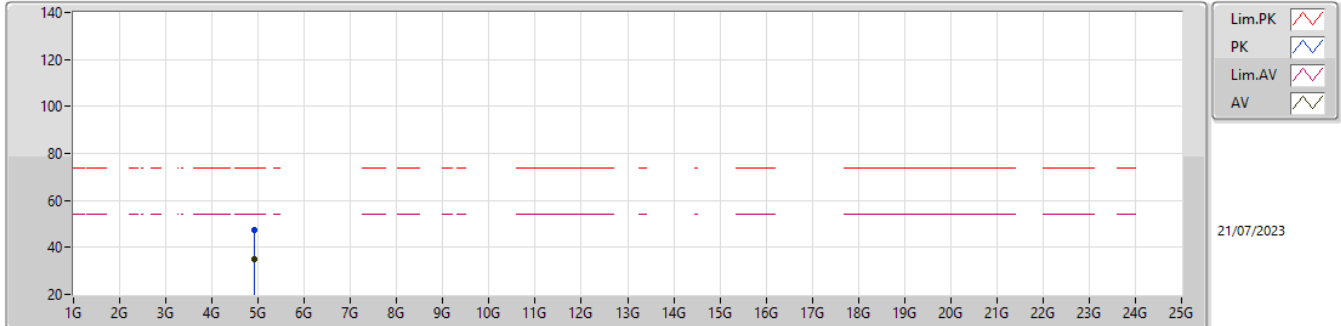


EUT_Z_4TX
Setting 72
04-I-P-5

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	65.39	74.00	-8.61	34.55	3	Vertical	176.6	2.40	-	27.64	3.20	-			
AV	2.39G	53.88	54.00	-0.12	23.04	3	Vertical	176.6	2.40	-	27.64	3.20	-			
PK	2.4364G	119.24	Inf	-Inf	88.30	3	Vertical	176.6	2.40	-	27.70	3.24	-			
AV	2.4348G	108.38	Inf	-Inf	77.45	3	Vertical	176.6	2.40	-	27.70	3.23	-			
PK	2.4844G	62.65	74.00	-11.35	31.53	3	Vertical	176.6	2.40	-	27.84	3.28	-			
AV	2.484G	50.26	54.00	-3.74	19.14	3	Vertical	176.6	2.40	-	27.84	3.28	-			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

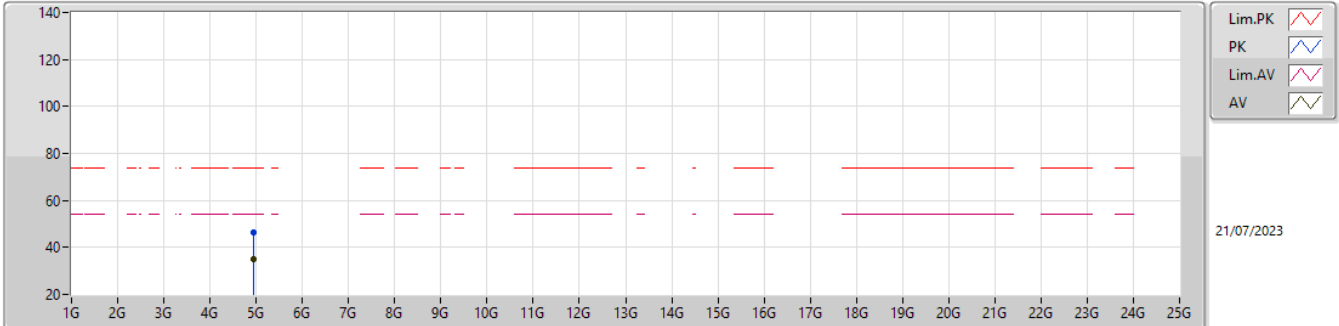


EUT_Z_4TX
Setting 72
04-I-P-5

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	4.908G	47.17	74.00	-26.83	41.48	3	Vertical	69	1.58	-	32.82	5.30	32.43			
AV	4.904G	34.87	54.00	-19.13	29.20	3	Vertical	69	1.58	-	32.81	5.30	32.44			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

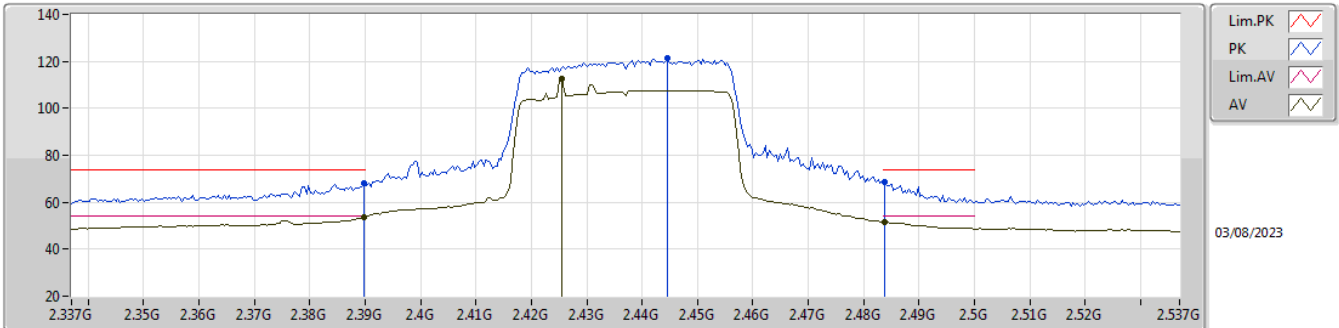


EUT_Z_4TX
Setting 72
04-I-P-5

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	4.9332G	46.62	74.00	-27.38	40.82	3	Horizontal	292	1.41	-	32.87	5.30	32.37			
AV	4.9352G	34.81	54.00	-19.19	29.00	3	Horizontal	292	1.41	-	32.87	5.30	32.36			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

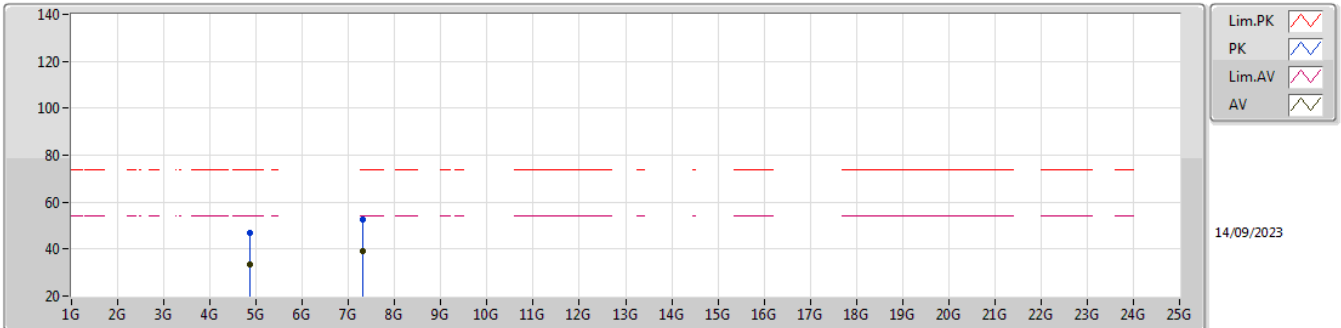


EUT_Z_4TX
Setting 82
06-D-J-8

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	68.07	74.00	-5.93	35.62	3	Vertical	253	2.00	-	27.36	5.09	-			
AV	2.3898G	53.70	54.00	-0.30	21.25	3	Vertical	253	2.00	-	27.36	5.09	-			
PK	2.4446G	121.45	Inf	-Inf	88.85	3	Vertical	253	2.00	-	27.49	5.11	-			
AV	2.4254G	112.40	Inf	-Inf	79.84	3	Vertical	253	2.00	-	27.45	5.11	-			
PK	2.4838G	68.84	74.00	-5.16	36.03	3	Vertical	253	2.00	-	27.70	5.11	-			
AV	2.4838G	51.63	54.00	-2.37	18.82	3	Vertical	253	2.00	-	27.70	5.11	-			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

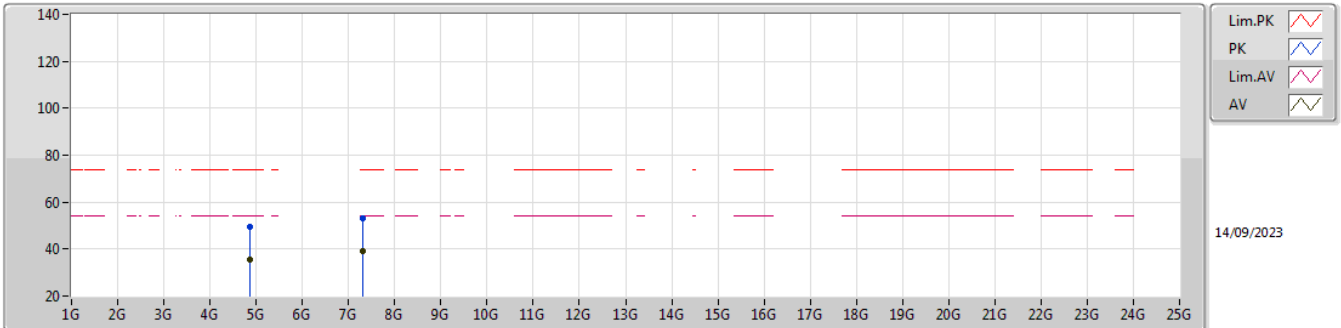


EUT_Z_4TX
Setting 82
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87428G	46.90	74.00	-27.10	41.09	3	Vertical	266	2.88	-	33.00	5.77	32.96			
AV	4.86464G	33.30	54.00	-20.70	27.50	3	Vertical	266	2.88	-	33.00	5.76	32.96			
PK	7.30632G	52.64	74.00	-21.36	40.99	3	Vertical	138	2.30	-	37.60	7.15	33.10			
AV	7.306G	39.29	54.00	-14.71	27.64	3	Vertical	138	2.30	-	37.60	7.15	33.10			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

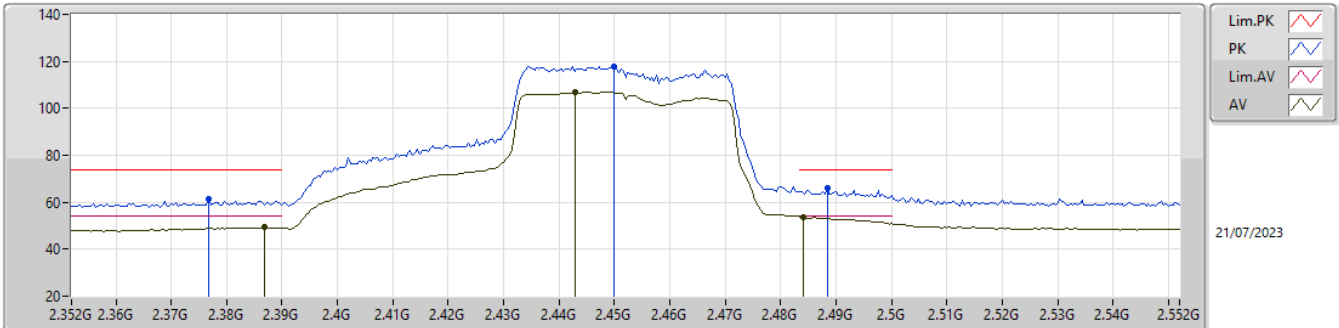


EUT_Z_4TX
Setting 82
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.86452G	49.26	74.00	-24.74	41.15	3	Horizontal	44	2.04	-	33.13	5.63	30.65			
AV	4.87208G	35.57	54.00	-18.43	27.43	3	Horizontal	44	2.04	-	33.14	5.64	30.64			
PK	7.31272G	53.04	74.00	-20.96	41.69	3	Horizontal	22	1.17	-	36.63	6.84	32.12			
AV	7.30844G	39.05	54.00	-14.95	27.69	3	Horizontal	22	1.17	-	36.62	6.85	32.11			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

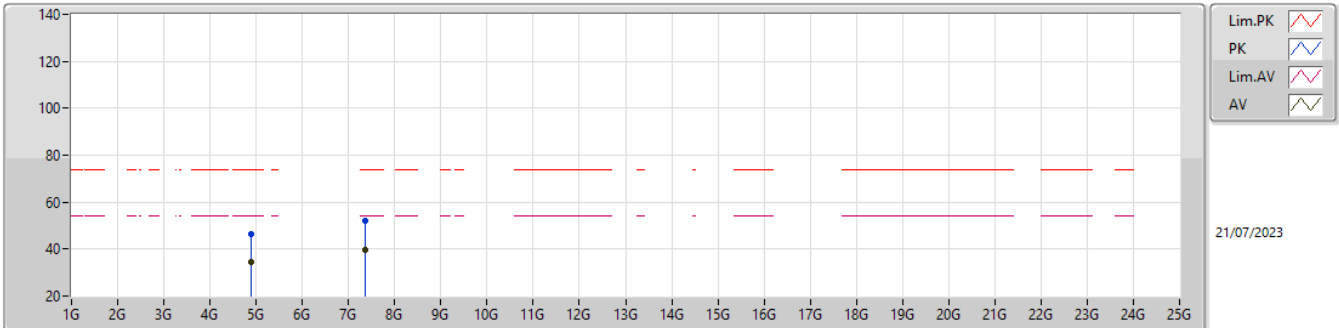


EUT_Z_4TX
Setting 75
04-I-P-5

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	2.3768G	61.25	74.00	-12.75	30.50	3	Vertical	73.5	1.94	-	27.56	3.19	-			
AV	2.3868G	49.23	54.00	-4.77	18.42	3	Vertical	73.5	1.94	-	27.62	3.19	-			
PK	2.45G	117.82	Inf	-Inf	86.87	3	Vertical	73.5	1.94	-	27.70	3.25	-			
AV	2.4428G	106.98	Inf	-Inf	76.04	3	Vertical	73.5	1.94	-	27.70	3.24	-			
PK	2.4884G	65.95	74.00	-8.05	34.81	3	Vertical	73.5	1.94	-	27.85	3.29	-			
AV	2.484G	53.65	54.00	-0.35	22.53	3	Vertical	73.5	1.94	-	27.84	3.28	-			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

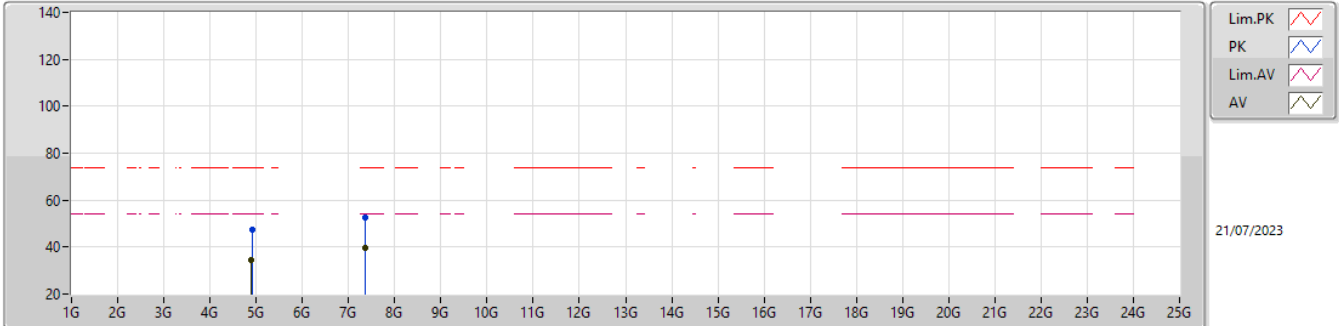


EUT_Z_4TX
Setting 75
04-I-P-5

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	4.8998G	46.62	74.00	-27.38	40.97	3	Vertical	113	2.09	-	32.80	5.30	32.45			
AV	4.89868G	34.42	54.00	-19.58	28.77	3	Vertical	113	2.09	-	32.80	5.30	32.45			
PK	7.3518G	52.07	74.00	-21.93	41.54	3	Vertical	95	1.85	-	37.69	6.95	34.11			
AV	7.34852G	39.90	54.00	-14.10	29.36	3	Vertical	95	1.85	-	37.70	6.95	34.11			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

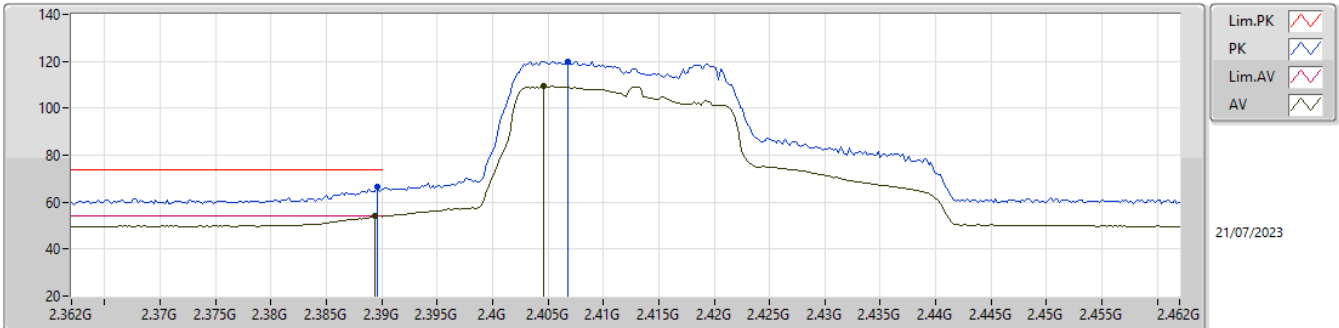


EUT_Z_4TX
Setting 75
04-I-P-5

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	4.90828G	47.28	74.00	-26.72	41.59	3	Horizontal	47	2.75	-	32.82	5.30	32.43			
AV	4.90348G	34.38	54.00	-19.62	28.71	3	Horizontal	47	2.75	-	32.81	5.30	32.44			
PK	7.35144G	52.60	74.00	-21.40	42.07	3	Horizontal	191	1.68	-	37.69	6.95	34.11			
AV	7.35368G	39.85	54.00	-14.15	29.32	3	Horizontal	191	1.68	-	37.69	6.95	34.11			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

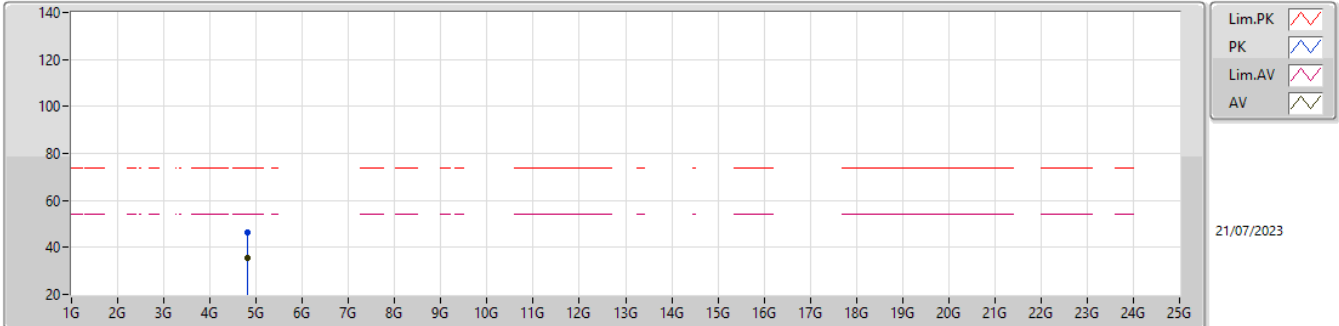


EUT_Z_4TX
Setting 76
04-I-J-8

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	2.3896G	66.30	74.00	-7.70	35.47	3	Vertical	320	2.87	-	27.64	3.19	-			
AV	2.3894G	53.98	54.00	-0.02	23.15	3	Vertical	320	2.87	-	27.64	3.19	-			
PK	2.4068G	120.05	Inf	-Inf	89.14	3	Vertical	320	2.87	-	27.70	3.21	-			
AV	2.4046G	109.26	Inf	-Inf	78.36	3	Vertical	320	2.87	-	27.70	3.20	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

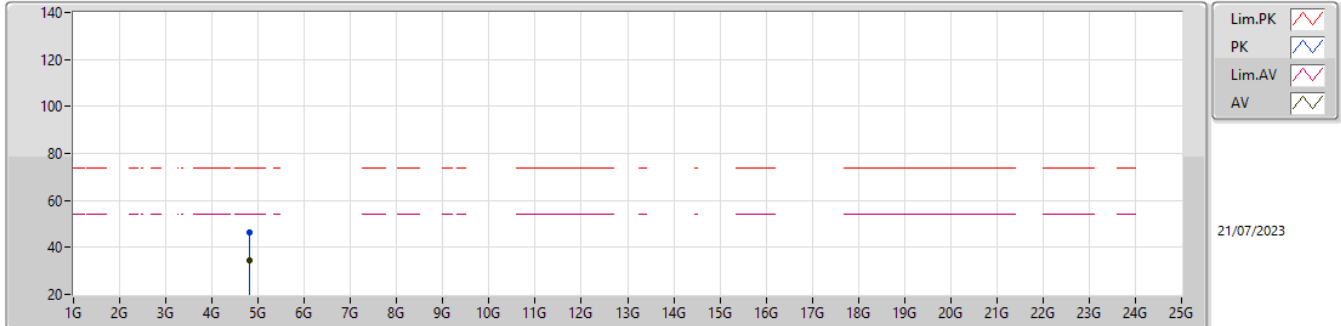


EUT_Z_4TX
Setting 76
04-I-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.82082G	46.53	74.00	-27.47	41.22	3	Vertical	85	1.13	-	32.64	5.30	32.63			
AV	4.82418G	35.58	54.00	-18.42	30.25	3	Vertical	85	1.13	-	32.65	5.30	32.62			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

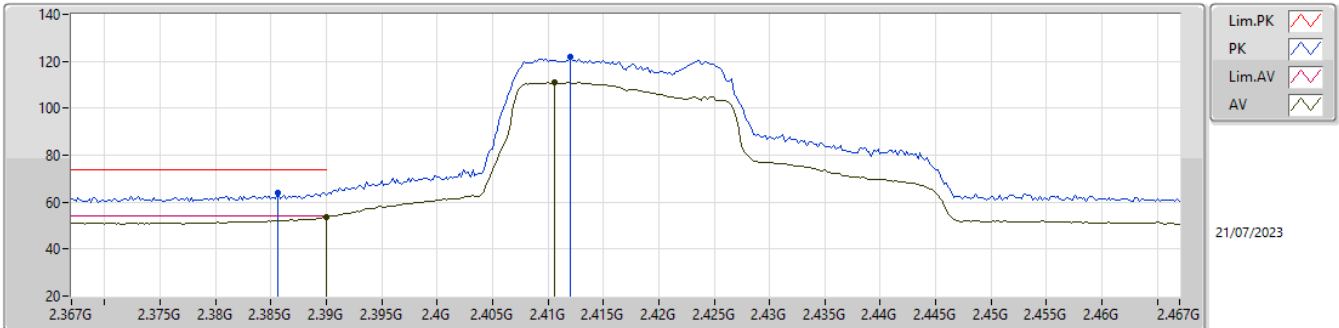


EUT_Z_4TX
Setting 76
04-I-J-8

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	4.81002G	46.41	74.00	-27.59	41.15	3	Horizontal	104	1.64	-	32.62	5.30	32.66			
AV	4.812G	34.59	54.00	-19.41	29.32	3	Horizontal	104	1.64	-	32.62	5.30	32.65			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2417MHz_TX

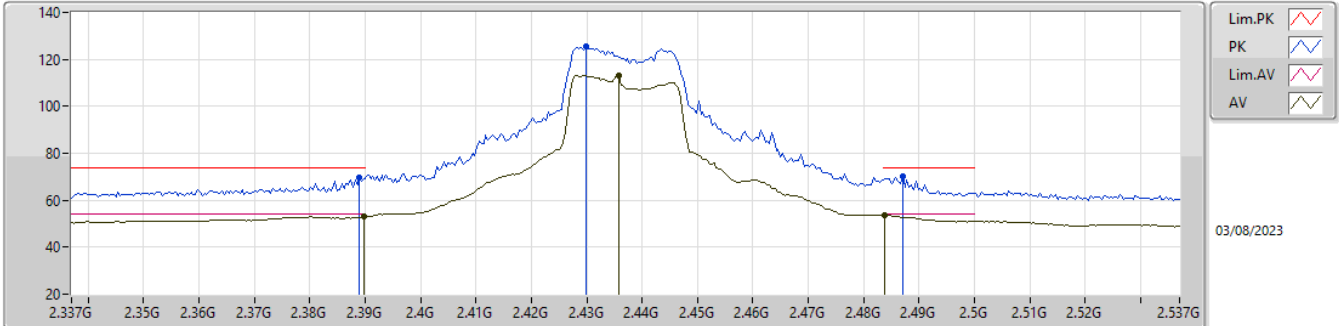


EUT_Z_4TX
Setting 85
04-I-J-8

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	2.3856G	64.19	74.00	-9.81	33.39	3	Vertical	321	2.84	-	27.61	3.19	-			
AV	2.39G	53.51	54.00	-0.49	22.67	3	Vertical	321	2.84	-	27.64	3.20	-			
PK	2.412G	121.79	Inf	-Inf	90.88	3	Vertical	321	2.84	-	27.70	3.21	-			
AV	2.4106G	110.89	Inf	-Inf	79.98	3	Vertical	321	2.84	-	27.70	3.21	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

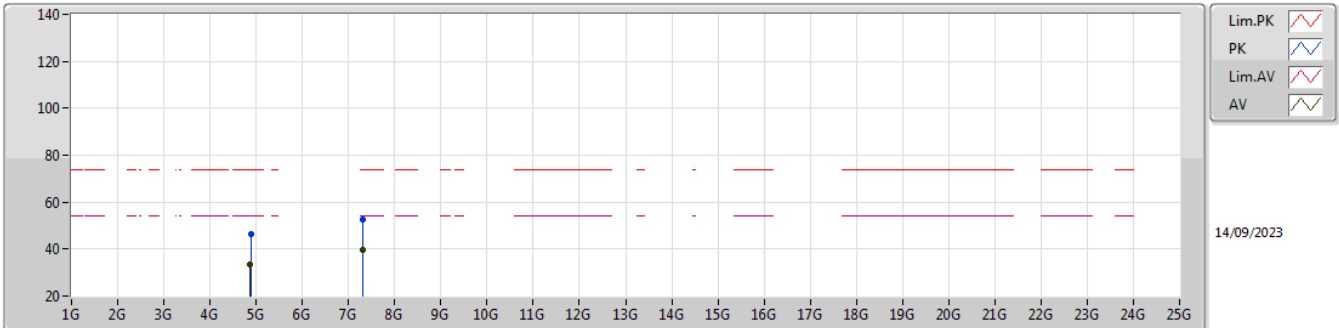


EUT_Z_4TX
Setting 95
06-D-J-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.389G	69.73	74.00	-4.27	37.28	3	Vertical	205	2.00	-	27.36	5.09	-			
AV	2.3898G	52.90	54.00	-1.10	20.45	3	Vertical	205	2.00	-	27.36	5.09	-			
PK	2.4298G	125.74	Inf	-Inf	93.17	3	Vertical	205	2.00	-	27.46	5.11	-			
AV	2.4358G	113.27	Inf	-Inf	80.69	3	Vertical	205	2.00	-	27.47	5.11	-			
PK	2.487G	70.19	74.00	-3.81	37.36	3	Vertical	205	2.00	-	27.72	5.11	-			
AV	2.4838G	53.55	54.00	-0.45	20.74	3	Vertical	205	2.00	-	27.70	5.11	-			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

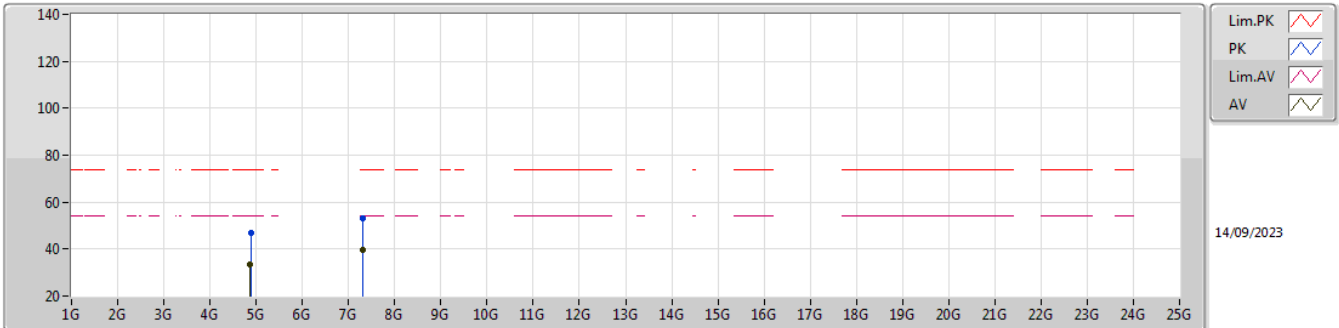


EUT_Z_4TX
Setting 95
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88384G	46.40	74.00	-27.60	40.58	3	Vertical	217	2.95	-	33.00	5.78	32.96			
AV	4.86584G	33.65	54.00	-20.35	27.84	3	Vertical	217	2.95	-	33.00	5.77	32.96			
PK	7.30436G	52.76	74.00	-21.24	41.11	3	Vertical	31	1.06	-	37.60	7.15	33.10			
AV	7.30276G	39.66	54.00	-14.34	28.01	3	Vertical	31	1.06	-	37.60	7.15	33.10			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

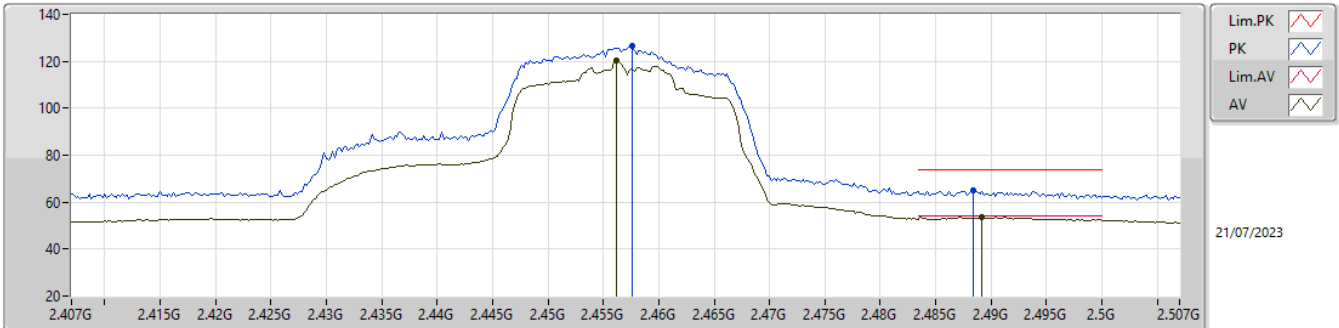


EUT_Z_4TX
Setting 95
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88272G	46.87	74.00	-27.13	41.05	3	Horizontal	169	1.43	-	33.00	5.78	32.96			
AV	4.87368G	33.56	54.00	-20.44	27.75	3	Horizontal	169	1.43	-	33.00	5.77	32.96			
PK	7.30636G	53.14	74.00	-20.86	41.49	3	Horizontal	282	1.41	-	37.60	7.15	33.10			
AV	7.303G	39.81	54.00	-14.19	28.16	3	Horizontal	282	1.41	-	37.60	7.15	33.10			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2457MHz_TX

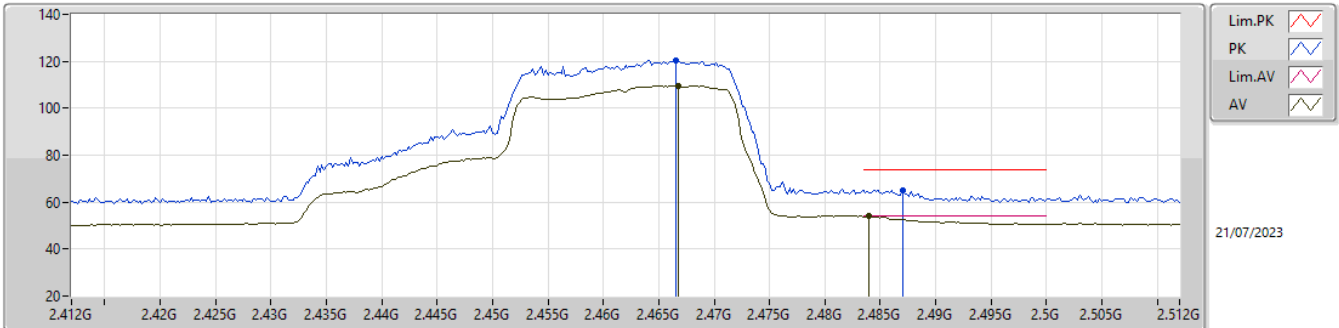


EUT_Z_4TX
Setting 86
04-I-J-8

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	2.4576G	126.39	Inf	-Inf	95.40	3	Vertical	158	2.08	-	27.73	3.26	-				
AV	2.4562G	120.22	Inf	-Inf	89.24	3	Vertical	158	2.08	-	27.72	3.26	-				
PK	2.4884G	65.07	74.00	-8.93	33.93	3	Vertical	158	2.08	-	27.85	3.29	-				
AV	2.4892G	53.55	54.00	-0.45	22.40	3	Vertical	158	2.08	-	27.86	3.29	-				

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

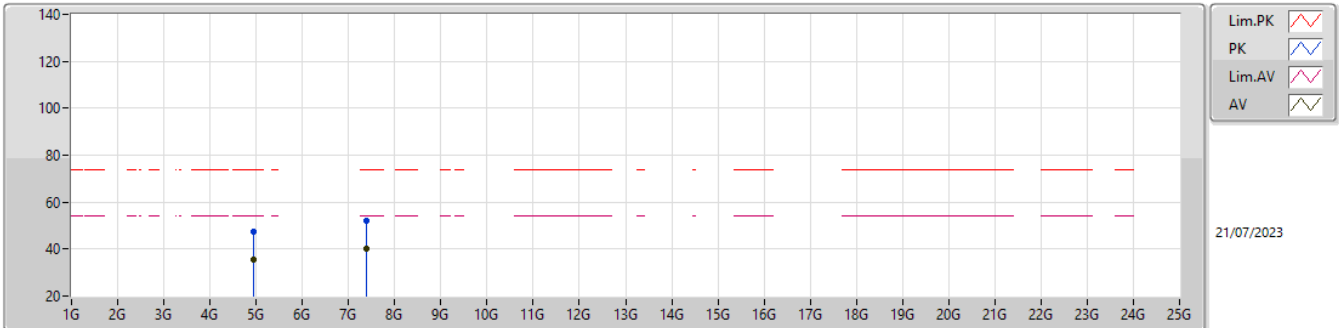


EUT_Z_4TX
Setting 76
04-I-J-8

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	2.4666G	120.25	Inf	-Inf	89.21	3	Vertical	168	2.63	-	27.77	3.27	-				
AV	2.4668G	109.57	Inf	-Inf	78.53	3	Vertical	168	2.63	-	27.77	3.27	-				
PK	2.487G	65.25	74.00	-8.75	34.11	3	Vertical	168	2.63	-	27.85	3.29	-				
AV	2.484G	53.91	54.00	-0.09	22.79	3	Vertical	168	2.63	-	27.84	3.28	-				

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

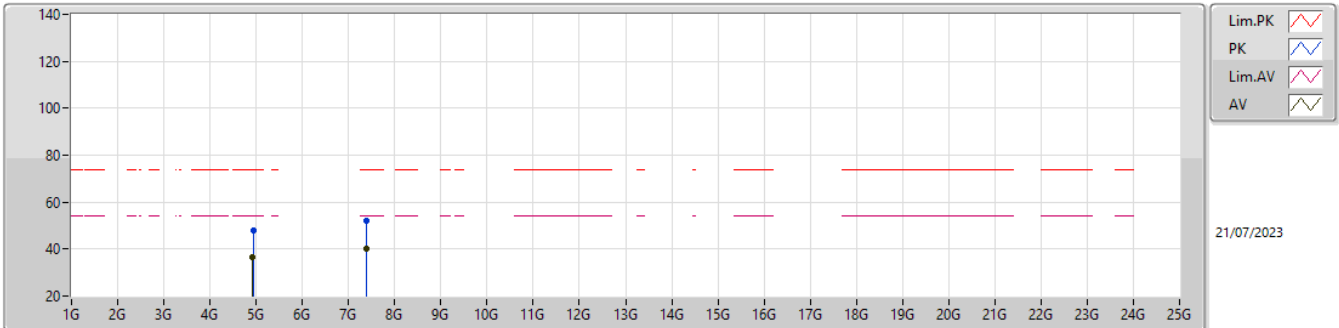


EUT_Z_4TX
Setting 76
04-I-J-8

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	4.93402G	47.24	74.00	-26.76	41.44	3	Vertical	1	1.80	-	32.87	5.30	32.37			
AV	4.93828G	35.53	54.00	-18.47	29.71	3	Vertical	1	1.80	-	32.88	5.30	32.36			
PK	7.38474G	52.13	74.00	-21.87	41.71	3	Vertical	196	1.80	-	37.56	6.98	34.12			
AV	7.39086G	40.35	54.00	-13.65	29.95	3	Vertical	196	1.80	-	37.54	6.99	34.13			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

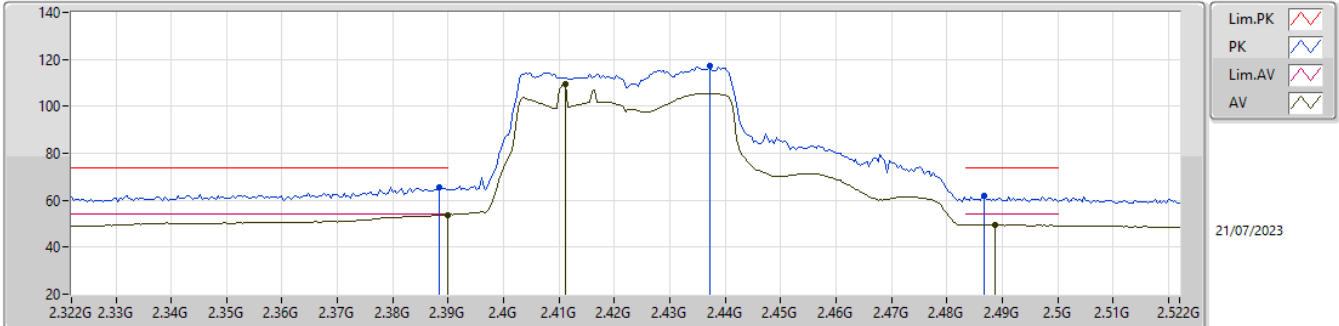


EUT_Z_4TX
Setting 76
04-I-J-8

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	4.9324G	47.76	74.00	-26.24	41.97	3	Horizontal	1	1.80	-	32.86	5.30	32.37			
AV	4.92394G	36.30	54.00	-17.70	30.54	3	Horizontal	1	1.80	-	32.85	5.30	32.39			
PK	7.3785G	52.29	74.00	-21.71	41.84	3	Horizontal	277	1.25	-	37.59	6.98	34.12			
AV	7.39824G	40.19	54.00	-13.81	29.81	3	Horizontal	277	1.25	-	37.51	7.00	34.13			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

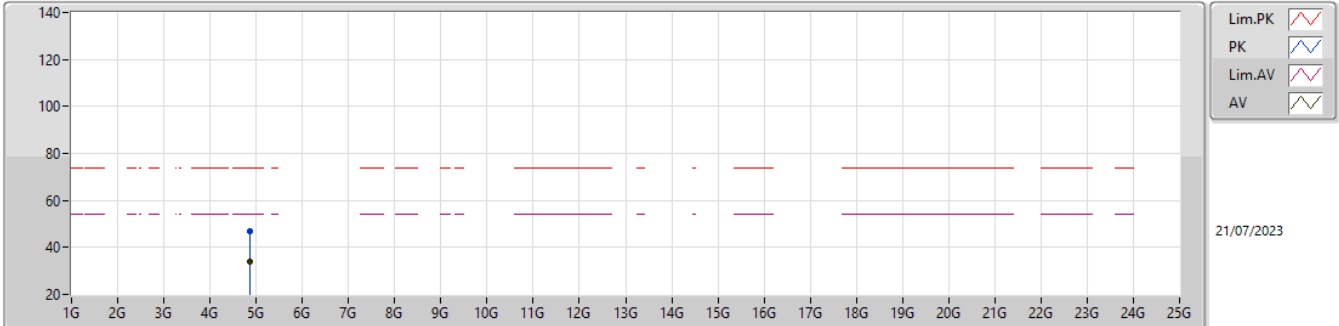


EUT_Z_4TX
Setting 71
04-I-J-8

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	2.3884G	65.39	74.00	-8.61	34.57	3	Vertical	122	2.28	-	27.63	3.19	-			
AV	2.39G	53.76	54.00	-0.24	22.92	3	Vertical	122	2.28	-	27.64	3.20	-			
PK	2.4372G	117.48	Inf	-Inf	86.54	3	Vertical	122	2.28	-	27.70	3.24	-			
AV	2.4112G	109.67	Inf	-Inf	78.76	3	Vertical	122	2.28	-	27.70	3.21	-			
PK	2.4868G	61.76	74.00	-12.24	30.62	3	Vertical	122	2.28	-	27.85	3.29	-			
AV	2.4888G	49.66	54.00	-4.34	18.51	3	Vertical	122	2.28	-	27.86	3.29	-			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

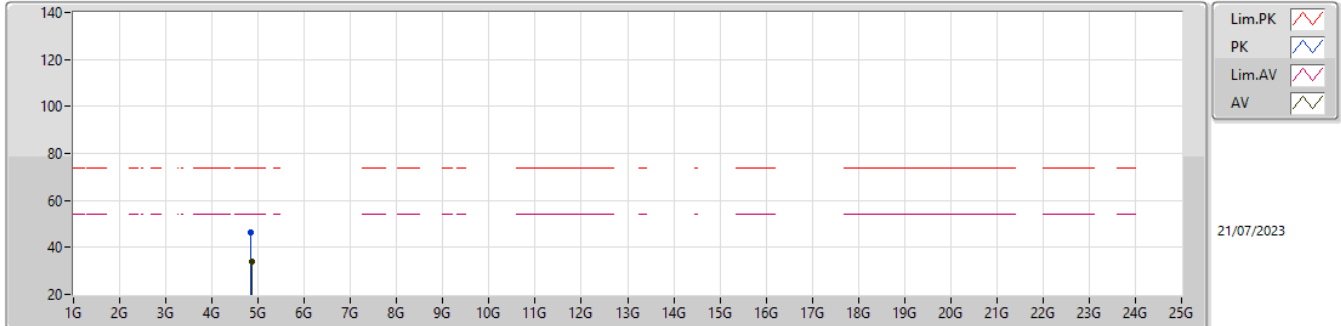


EUT_Z_4TX
Setting 71
04-I-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.85876G	47.09	74.00	-26.91	41.61	3	Vertical	28	1.80	-	32.72	5.30	32.54			
AV	4.85498G	33.83	54.00	-20.17	28.37	3	Vertical	28	1.80	-	32.71	5.30	32.55			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

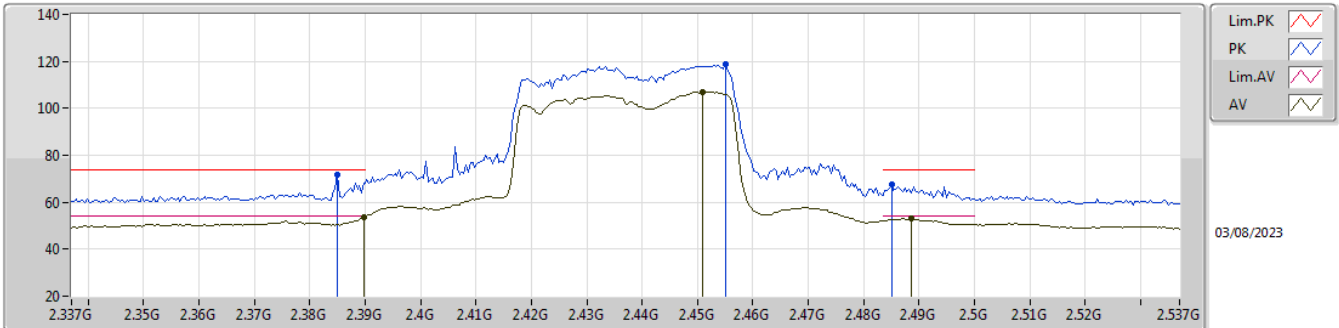


EUT_Z_4TX
Setting 71
04-I-J-8

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	4.85018G	46.24	74.00	-27.76	40.80	3	Horizontal	28	1.80	-	32.70	5.30	32.56			
AV	4.85858G	33.86	54.00	-20.14	28.38	3	Horizontal	28	1.80	-	32.72	5.30	32.54			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

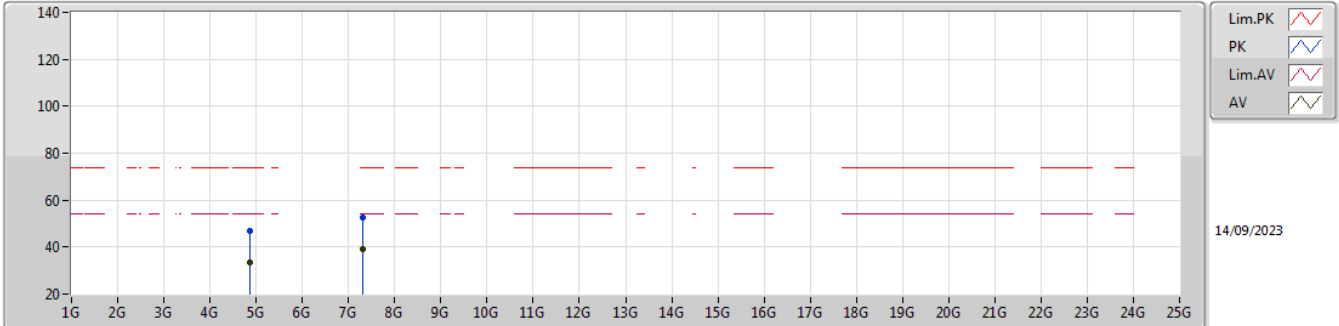


EUT_Z_4TX
Setting 81
06-D-J-8

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	2.385G	71.92	74.00	-2.08	39.50	3	Vertical	183	2.00	-	27.34	5.08	-			
AV	2.3898G	53.64	54.00	-0.36	21.19	3	Vertical	183	2.00	-	27.36	5.09	-			
PK	2.455G	118.97	Inf	-Inf	86.33	3	Vertical	183	2.00	-	27.53	5.11	-			
AV	2.451G	106.94	Inf	-Inf	74.32	3	Vertical	183	2.00	-	27.51	5.11	-			
PK	2.485G	67.84	74.00	-6.16	35.02	3	Vertical	183	2.00	-	27.71	5.11	-			
AV	2.4886G	52.93	54.00	-1.07	20.09	3	Vertical	183	2.00	-	27.73	5.11	-			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

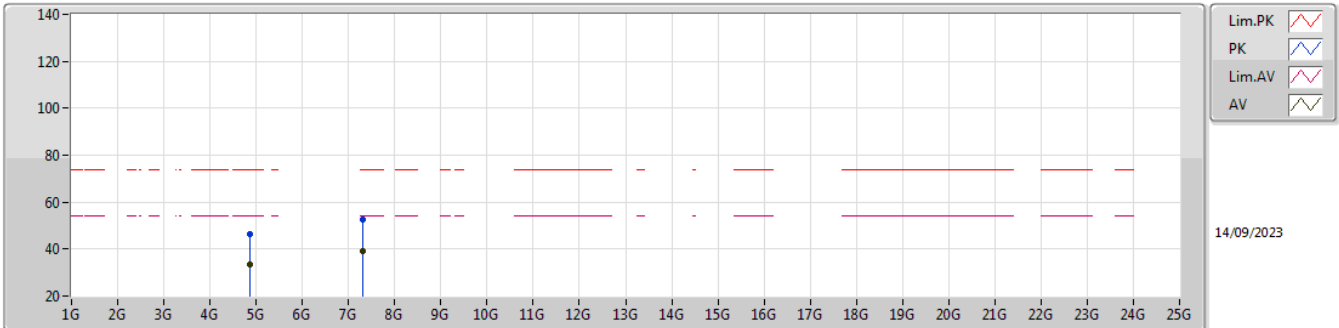


EUT_Z_4TX
Setting 81
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.86884G	46.68	74.00	-27.32	40.87	3	Vertical	162	2.72	-	33.00	5.77	32.96			
AV	4.86584G	33.20	54.00	-20.80	27.39	3	Vertical	162	2.72	-	33.00	5.77	32.96			
PK	7.30548G	52.66	74.00	-21.34	41.01	3	Vertical	322	2.32	-	37.60	7.15	33.10			
AV	7.30552G	39.35	54.00	-14.65	27.70	3	Vertical	322	2.32	-	37.60	7.15	33.10			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

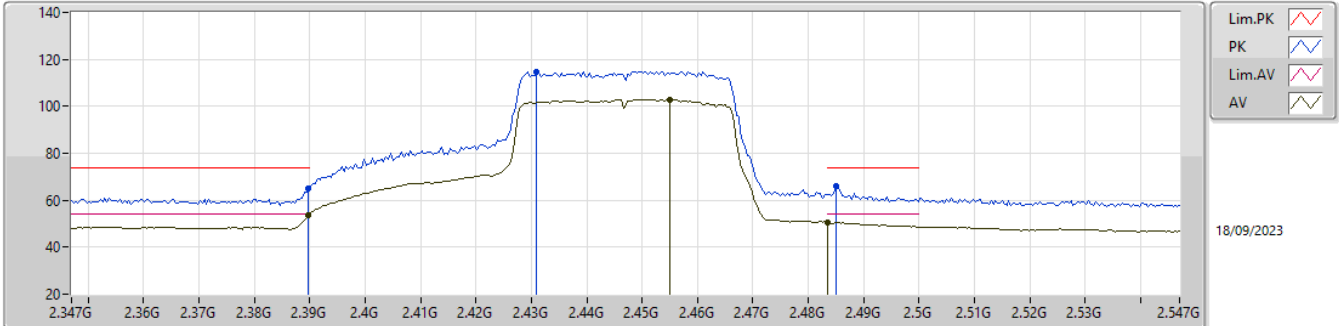


EUT_Z_4TX
Setting 81
01-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87712G	46.63	74.00	-27.37	40.81	3	Horizontal	245	2.23	-	33.00	5.78	32.96			
AV	4.87204G	33.20	54.00	-20.80	27.39	3	Horizontal	245	2.23	-	33.00	5.77	32.96			
PK	7.31256G	52.78	74.00	-21.22	41.12	3	Horizontal	349	2.97	-	37.60	7.16	33.10			
AV	7.30228G	39.15	54.00	-14.85	27.50	3	Horizontal	349	2.97	-	37.60	7.15	33.10			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2447MHz_TX

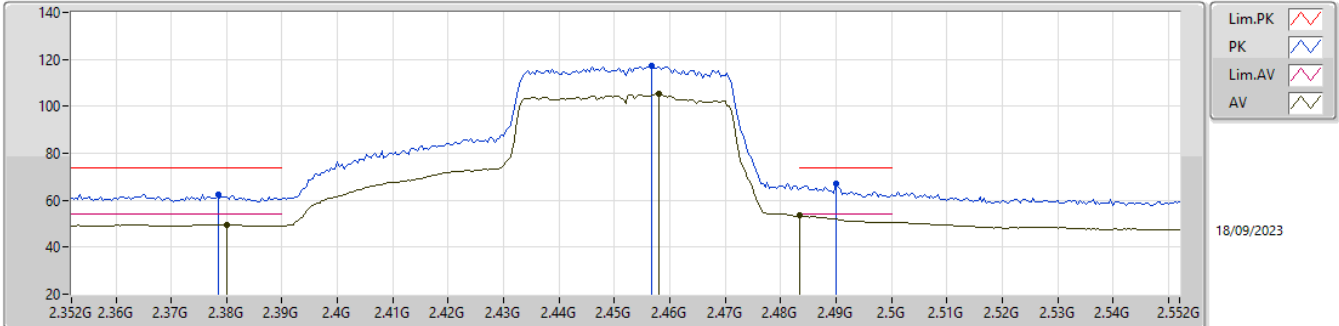


EUT_Z_4TX
Setting 68
06-C-B-5

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	64.79	74.00	-9.21	32.22	3	Vertical	219	1.80	-	27.70	4.87	-			
AV	2.3898G	53.70	54.00	-0.30	21.13	3	Vertical	219	1.80	-	27.70	4.87	-			
PK	2.431G	114.86	Inf	-Inf	82.48	3	Vertical	219	1.80	-	27.50	4.88	-			
AV	2.455G	102.88	Inf	-Inf	70.56	3	Vertical	219	1.80	-	27.45	4.87	-			
PK	2.485G	66.19	74.00	-7.81	33.93	3	Vertical	219	1.80	-	27.40	4.86	-			
AV	2.4835G	50.58	54.00	-3.42	18.32	3	Vertical	219	1.80	-	27.40	4.86	-			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

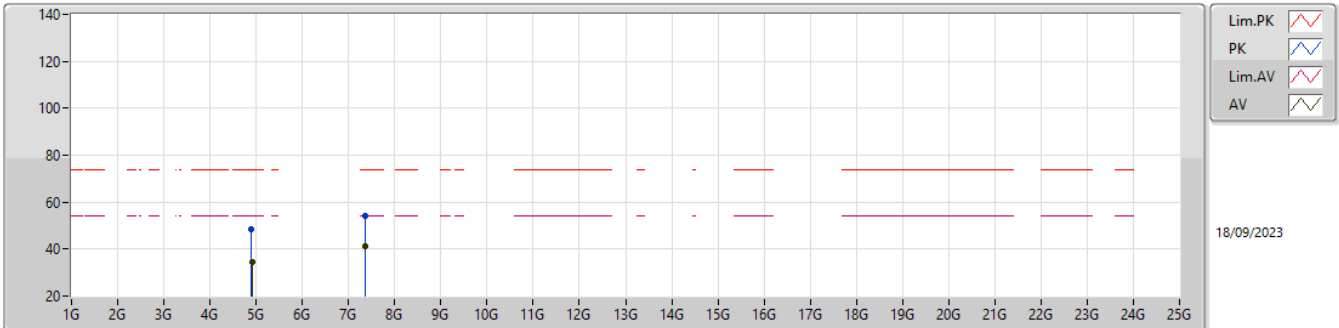


EUT_Z_4TX
Setting 73
06-C-B-5

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	2.3784G	62.25	74.00	-11.75	NaN	3	Vertical	360	1.80	-	NaN	NaN	-			
AV	2.38G	49.66	54.00	-4.34	NaN	3	Vertical	360	1.80	-	NaN	NaN	-			
PK	2.4568G	117.08	Inf	-Inf	NaN	3	Vertical	360	1.80	-	NaN	NaN	-			
AV	2.458G	105.16	Inf	-Inf	NaN	3	Vertical	360	1.80	-	NaN	NaN	-			
PK	2.49G	66.92	74.00	-7.08	NaN	3	Vertical	360	1.80	-	NaN	NaN	-			
AV	2.4835G	53.52	54.00	-0.48	NaN	3	Vertical	360	1.80	-	NaN	NaN	-			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

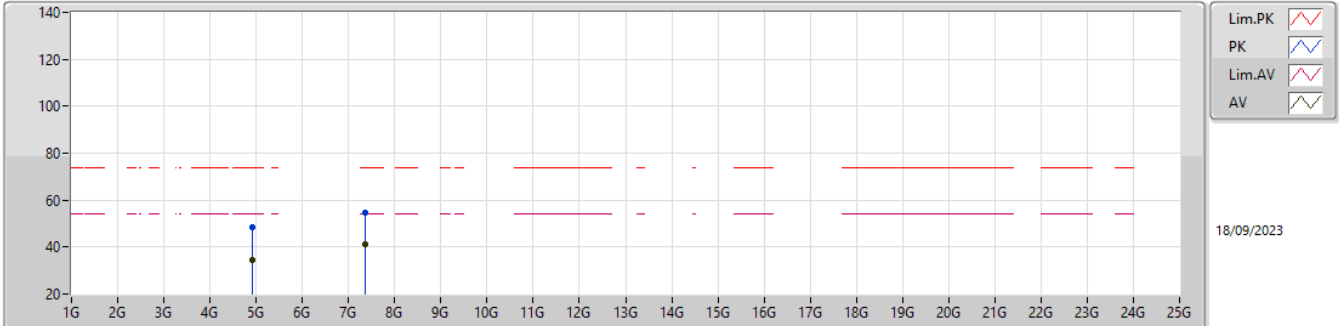


EUT_Z_4TX
Setting 73
06-C-B-5

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	4.9034G	48.33	74.00	-25.67	41.67	3	Vertical	349	2.14	-	31.31	6.70	31.35			
AV	4.9132G	34.52	54.00	-19.48	27.81	3	Vertical	349	2.14	-	31.35	6.70	31.34			
PK	7.35076G	54.20	74.00	-19.80	42.38	3	Vertical	97	1.71	-	36.60	7.88	32.66			
AV	7.36344G	41.18	54.00	-12.82	29.38	3	Vertical	97	1.71	-	36.60	7.88	32.68			

2.4-2.4835GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX



EUT_Z_4TX
Setting 73
06-C-B-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	4.91008G	48.39	74.00	-25.61	41.69	3	Horizontal	315	1.94	-	31.34	6.70	31.34			
AV	4.904G	34.51	54.00	-19.49	27.84	3	Horizontal	315	1.94	-	31.32	6.70	31.35			
PK	7.361G	54.71	74.00	-19.29	42.90	3	Horizontal	354	1.80	-	36.60	7.88	32.67			
AV	7.3642G	41.01	54.00	-12.99	29.21	3	Horizontal	354	1.80	-	36.60	7.88	32.68			