



RADIO TEST REPORT

FCC ID : UIDNVG678XY
Equipment : XGS-PON GATEWAY
Brand Name : ARRIS
Model Name : NVG678XY
Applicant : ARRIS
3871 Lakefield Dr, Suwanee, GA 30024, United States
Manufacturer : ARRIS
3871 Lakefield Dr, Suwanee, GA 30024, United States
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 16, 2022, and testing was started from Dec. 17, 2022 and completed on Feb. 13, 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 report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
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History of this test report

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

Page Number : 3 of 35
Issued Date : Mar. 07, 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	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Sophia Shiung



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), ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ax (HEW40)	2422-2452	3-9 [7]

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

Note:

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


1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz					
1	1	1	-	Pulse Technology	NVG678XY	PCB	I-Pex	Note 1
2	2	2	-	Pulse Technology	NVG678XY	PCB	I-Pex	
3	3	3	-	Pulse Technology	NVG678XY	PCB	I-Pex	
4	4	4	-	Pulse Technology	NVG678XY	PCB	I-Pex	
5	-	-	1	Pulse Technology	NVG678XY	PCB	I-Pex	
6	-	-	2	Pulse Technology	NVG678XY	PCB	I-Pex	
7	-	-	3	Pulse Technology	NVG678XY	PCB	I-Pex	
8	-	-	4	Pulse Technology	NVG678XY	PCB	I-Pex	
9	-	1	-	Pulse Technology	NVG678XY	PCB	I-Pex	4.16

Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
1	2.87	3.7	3.88	4	2.78	-	-	-	-
2	3.24	2.67	2.84	2.05	2.18	-	-	-	-
3	2.93	2.76	3.15	2.08	2.38	-	-	-	-
4	4.12	3.53	3.97	4.25	4.33	-	-	-	-
5	-	-	-	-	-	3.78	3.12	3.87	3.87
6	-	-	-	-	-	2.13	2.61	4.1	4.3
7	-	-	-	-	-	2	2.27	2.94	4.77
8	-	-	-	-	-	3.1	2.54	3.75	3.85

Directional gain (dBi)					
Item	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3
4T1S	4.86	3.85	4.11	4.39	4.64
4T2S	4.12	3.7	3.97	4.25	4.33
4T4S	4.12	3.7	3.97	4.25	4.33

Directional gain (dBi)				
Item	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8
4T1S	4.6	4.1	5.71	5.16
4T2S	3.78	3.12	4.1	4.77
4T4S	3.78	3.12	4.1	4.77

Note 2: The above information (except Ant. 1~8 gain and directional gain) was declared by manufacturer. The directional gain is measured which follows the procedure of KDB 662911 D03.

Note 3: Ant. 9 did not function during the tests.

Note 4: The DFS function of EUT was not enabled at this time.

Note 5: **For 2.4GHz function:**

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

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For 5GHz function:

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

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For IEEE 802.11a/n/ac/ax (1RX):

Port 1 (Ant.9) can be used as receiving antenna.

For 6GHz function:

For IEEE 802.11ax (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.936	0.29	8.419m	300
802.11g	0.958	0.19	2.065m	1k
802.11ax HEW20	0.983	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20-BF	0.976	0.11	2.931m	1K
802.11ax HEW40	0.966	0.15	780.625u	3k
802.11ax HEW40-BF	0.962	0.17	1.499m	1K

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	accessMtool 3.2.1.0			

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Eason chen	22.5-24.1 / 62-64	Dec. 26, 2022~ Jan. 12, 2023
Radiated < 1GHz	03CH03-CB	Simmon Cheng	20.2~21.3 / 56~59	Feb. 09, 2023
Radiated > 1GHz	03CH04-CB	Ken Yeh	21.2~23.1 / 65~68	Dec. 17, 2022~ Jan. 30, 2023
Radiated (For Co-location)	03CH05-CB		20.9~22.7 / 63~66	
AC Conduction	CO01-CB	Elvin Yeh	22~24 / 55~58	Feb. 13, 2023



1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	86
2417MHz	91
2437MHz	94
2462MHz	89
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	70
2417MHz	85
2437MHz	98
2457MHz	89
2462MHz	76
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	72
2417MHz	83
2437MHz	98
2457MHz	90
2462MHz	80
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	54
2437MHz	60
2452MHz	64
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	65
2417MHz	80
2437MHz	99
2457MHz	94
2462MHz	85
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	57
2437MHz	68
2452MHz	78

Note:.

- ♦ Evaluated HEW20 / HEW40 mode only, due to similar modulation. The power setting of HT20 / HT40 modes are the same or lower than HEW20 / HEW40.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis + Adapter 1
2	EUT in Y axis + Adapter 2
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	CTX
	After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + WLAN 5GHz UNII 1 and UNII 3
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz UNII 1 and UNII 3 + WLAN 6GHz
Refer to Sporton Test Report No.: FA262432 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

Beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

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

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	APD	WA-45A12FU	Input: 100-120V~, 60Hz, 1.2A Max Output: 12V, 3.75A
Adapter 2	MOSO	MSS-V3500AR120-042A0-US	Input: 100-120V~50/60Hz, 1.2A max. Output: 12.0V, 3.5A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN 10G NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	639205 7755	N/A
C	Wifi 2.4G NB	DELL	E6430	N/A
D	Wifi 5G NB	DELL	E6430	N/A
E	Wifi 6G NB	DELL	E6430	N/A
F	Phone	PHILIPS	M20	N/A
G	Phone	PHILIPS	M20	N/A
H	Terminal system NB	DELL	E6430	N/A
I	LAN 2.5G NB	DELL	E6430	N/A
J	Terminal system	Huawei	SmartAX MA5800-X2	N/A

**For Radiated below 1GHz:**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Wifi 2.4G NB	DELL	E4300	N/A
B	Wifi 5G NB	DELL	E4300	N/A
C	Wifi 6G NB	DELL	E4300	N/A
D	2.5G LAN PC	DELL	T3400	N/A
E	10G LAN PC	DELL	T3400	N/A
F	Terminal system PC	DELL	T3400	N/A
G	Terminal system	HUAWEI	SmartAX MA5800-X2	N/A
H	Flash disk3.0	Transcend	JetFlash-700	N/A
I	Phone	PHILIPS	M20	N/A
J	Phone	PHILIPS	M20	N/A

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

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

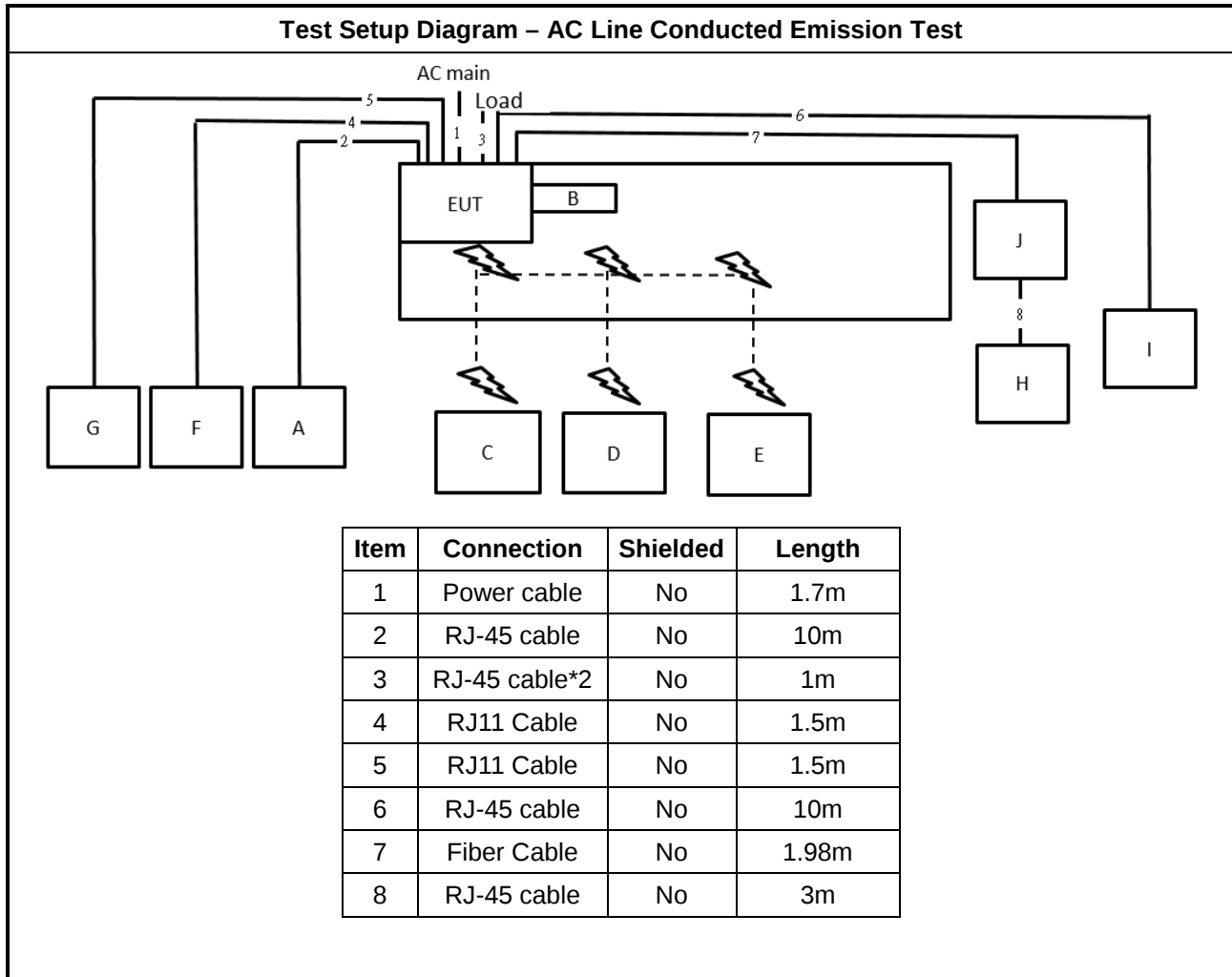
<Beamforming mode>

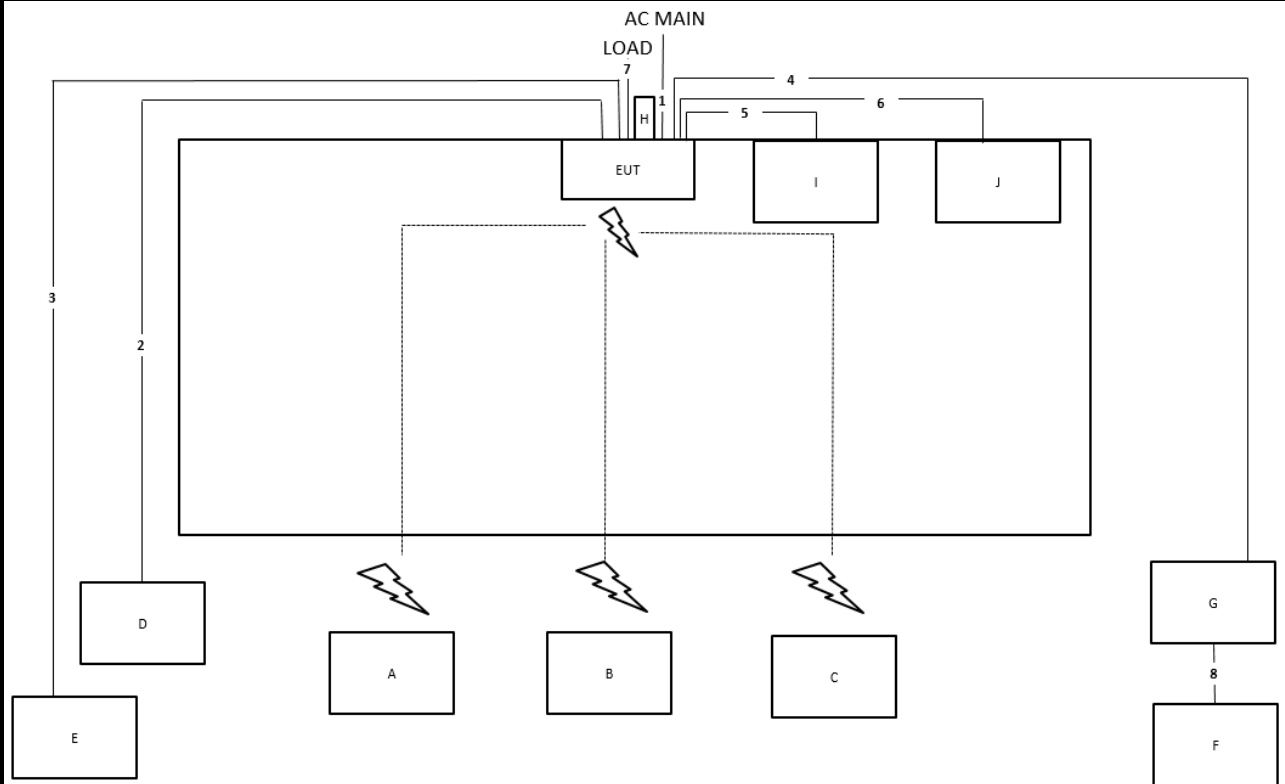
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN AP(2.4G+5G)	ASUS	RT-AX88U	MSQ-RTAXHP00

For RF Conducted:

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

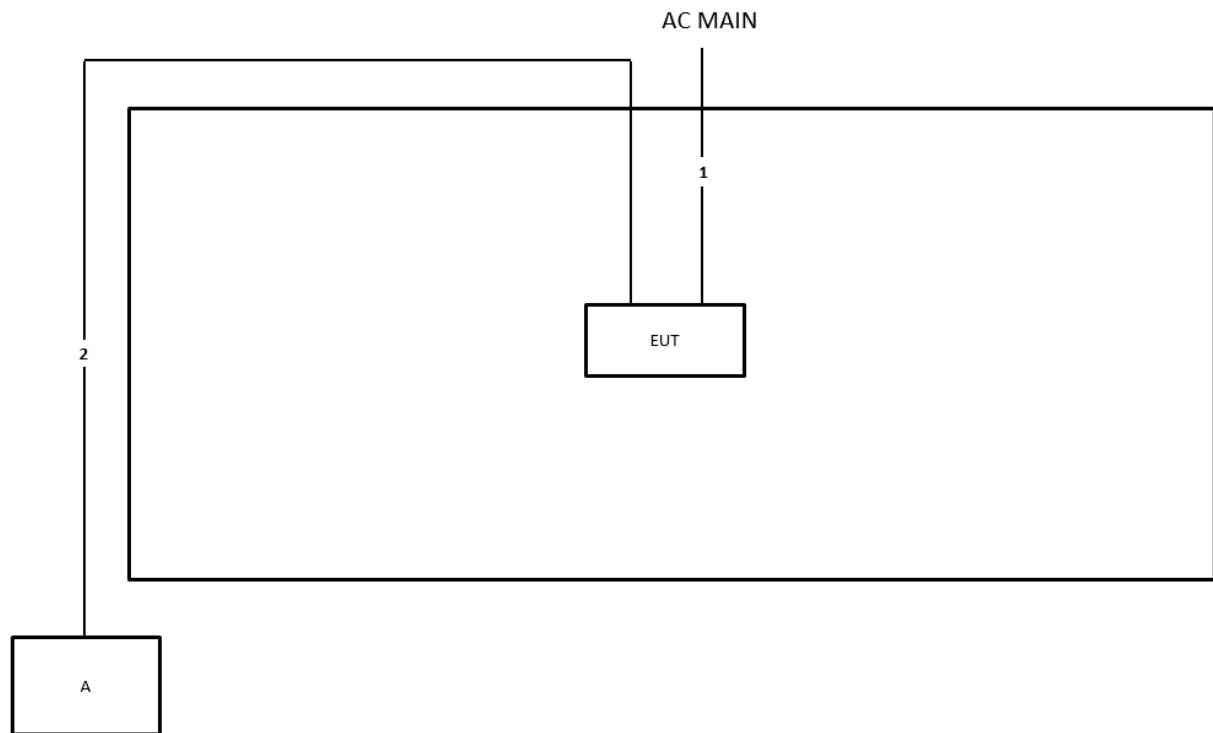
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


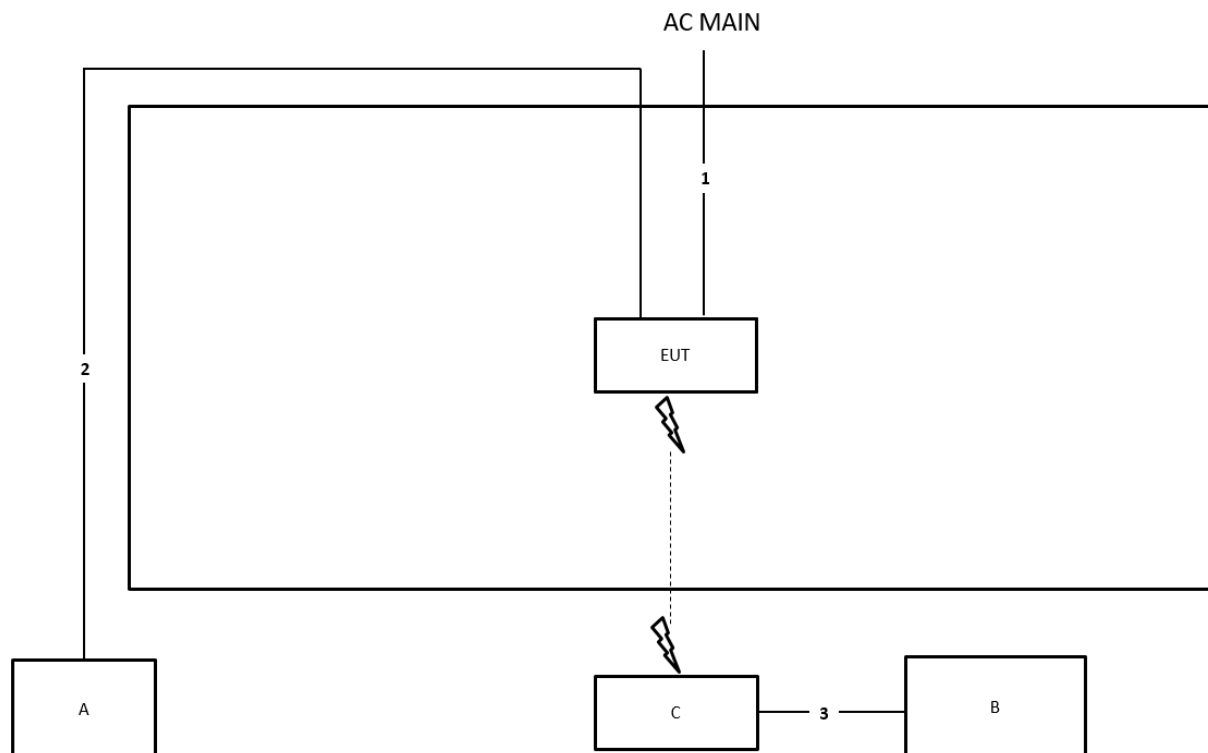
Item	Connection	Shielded	Length
1	Power cable	No	2m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	Fiber cable	No	10m
5	RJ-11 cable	No	1.5m
6	RJ-11 cable	No	1.5m
7	RJ-45 cable*2	No	1.5m
8	RJ-45 cable	No	1.5m

**Test Setup Diagram – Radiated Test > 1GHz
<Non-beamforming mode>**



Item	Connection	Shielded	Length
1	Power cable	No	1.7m
2	RJ-45 cable	No	10m

**Test Setup Diagram - Radiated Test > 1GHz
<Beamforming mode>**



Item	Connection	Shielded	Length
1	Power cable	No	1.7m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

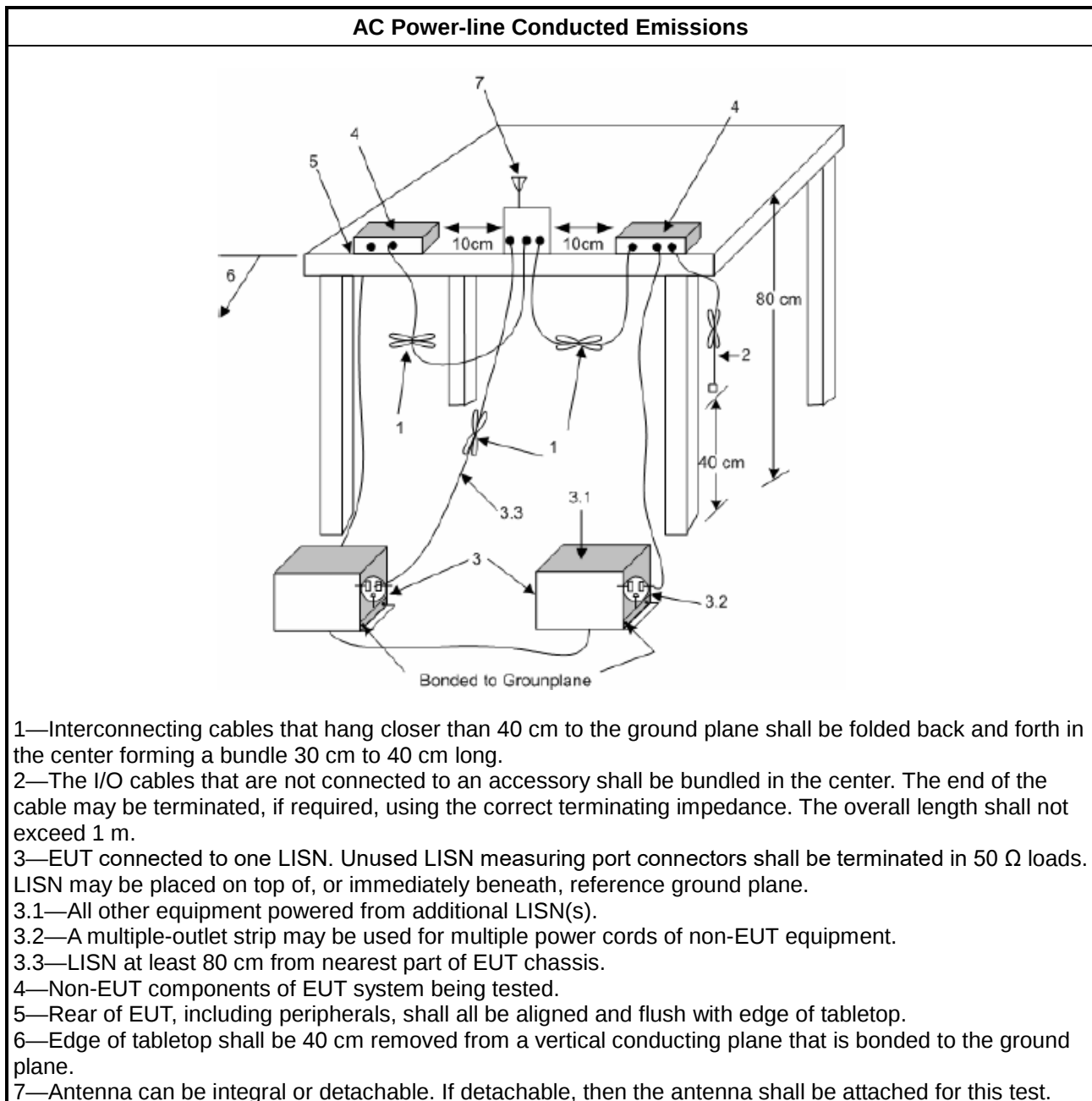
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

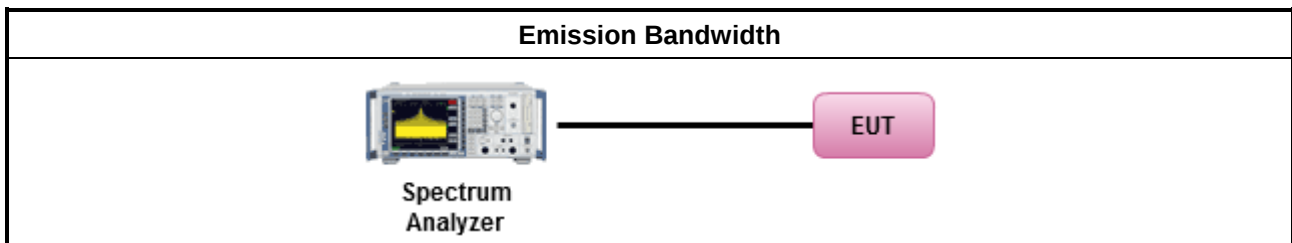
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
For the emission bandwidth shall be measured using one of the options below:
☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

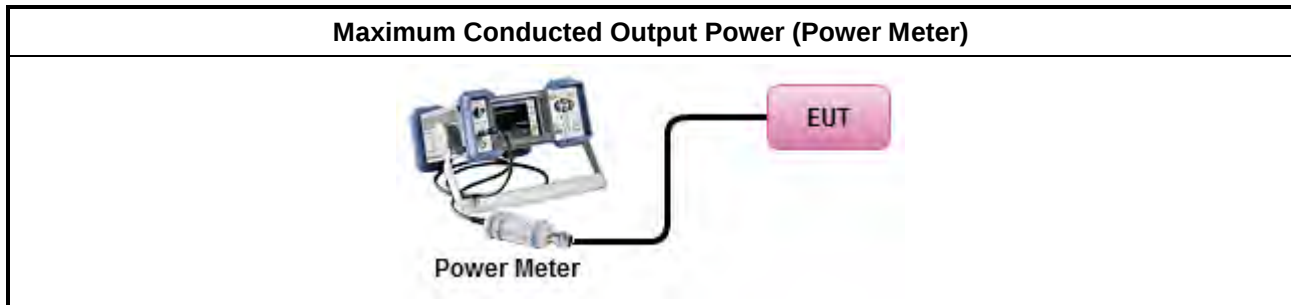
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

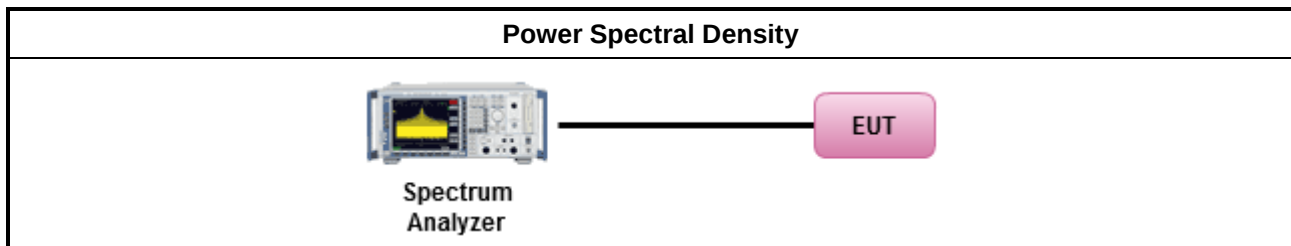
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
☒	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.
▪ For conducted measurement.	
▪ If The EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

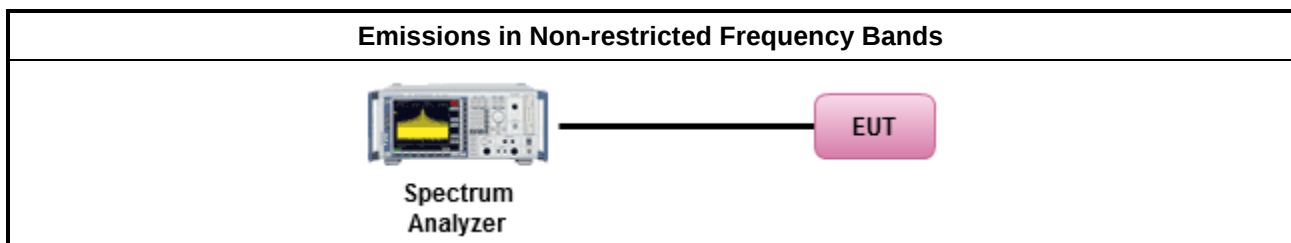
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

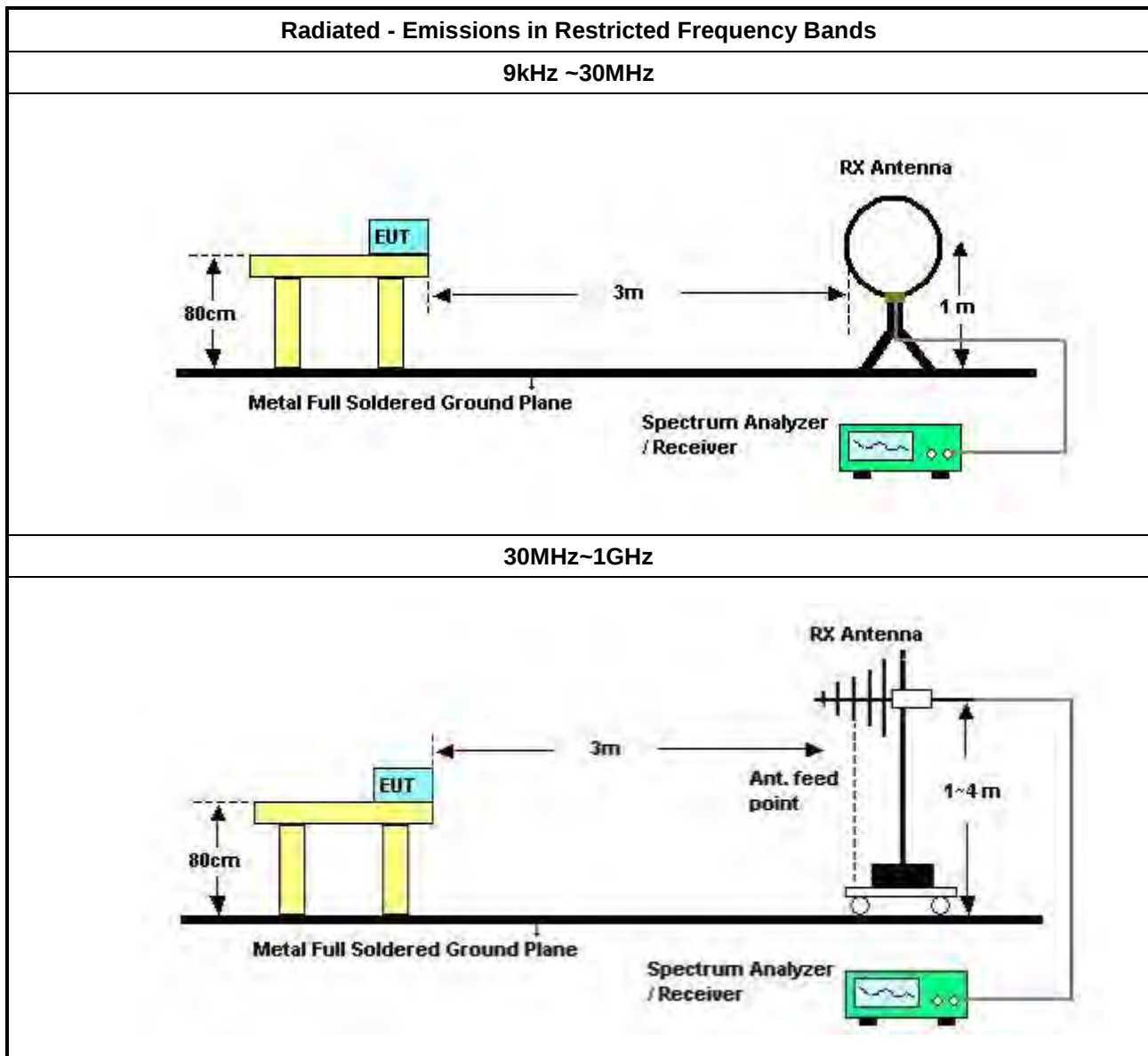
Refer a test equipment and calibration data table in this test report.

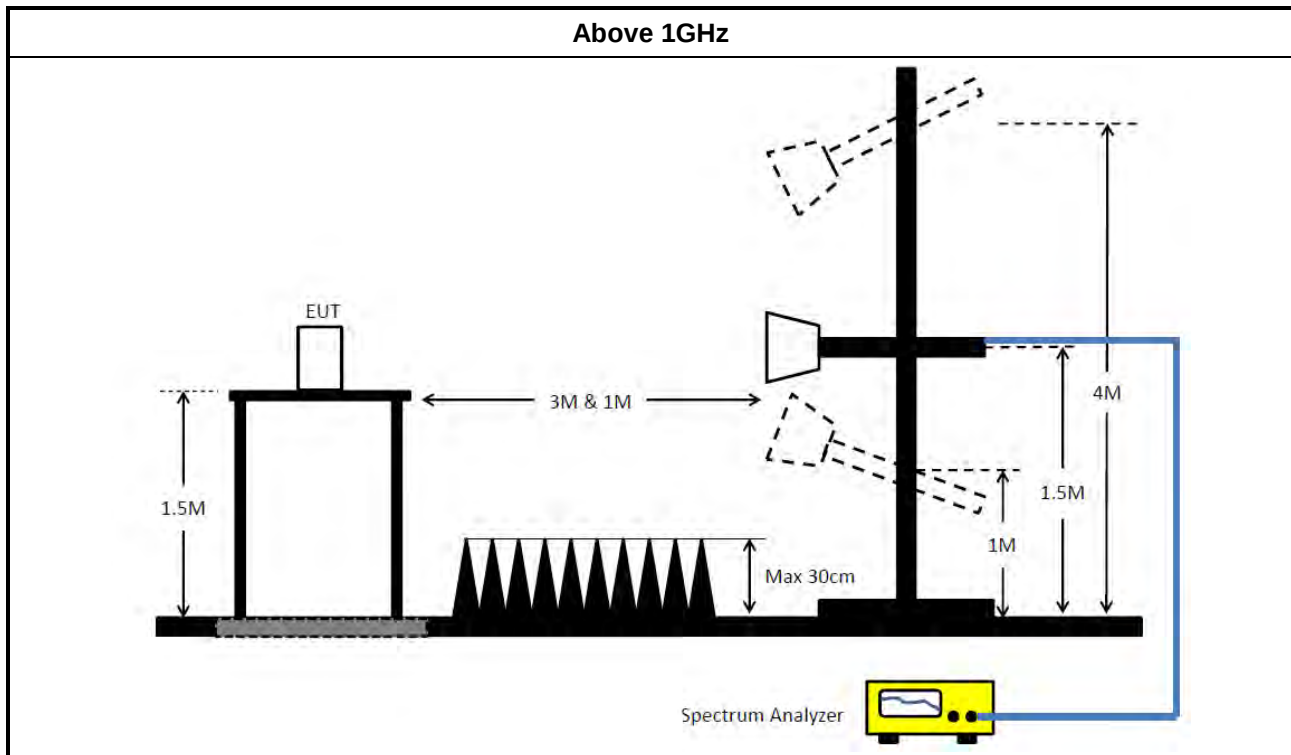


3.6.3 Test Procedures

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

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 17, 2023	Jan. 16, 2024	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 09, 2023	Jan. 08, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	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	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	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. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)

**RADIO TEST REPORT****Report No. : FR262432AA**

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



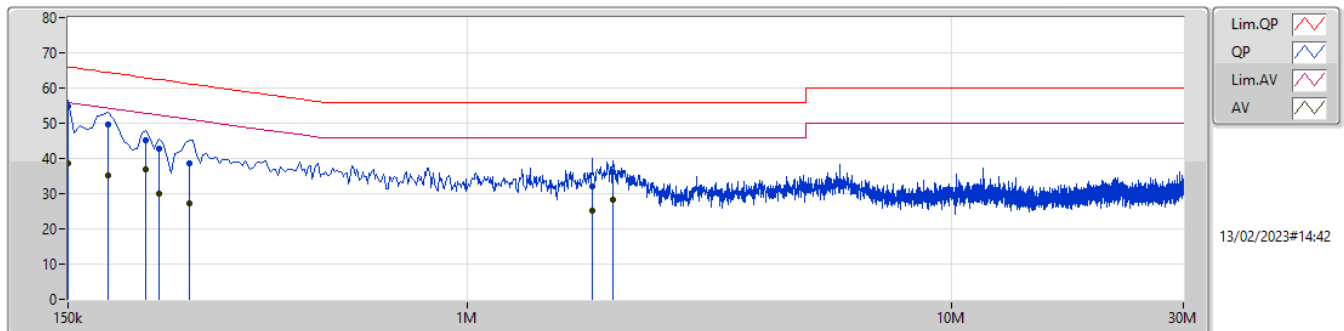
Conducted Emissions at Powerline

Appendix A

Summary

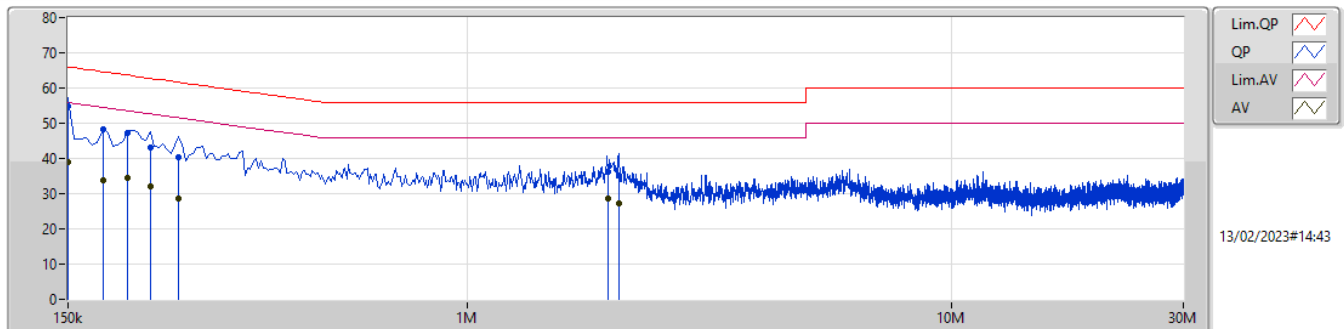
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	54.90	66.00	-11.10	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	54.90	66.00	-11.10	9.99	Line	"Worst"	44.91	0.06	0.04	9.89						
AV	150k	38.69	56.00	-17.31	9.99	Line	-	28.70	0.06	0.04	9.89						
QP	181.5k	49.52	64.41	-14.89	9.99	Line	-	39.53	0.06	0.04	9.89						
AV	181.5k	35.06	54.41	-19.35	9.99	Line	-	25.07	0.06	0.04	9.89						
QP	217.5k	45.24	62.92	-17.68	9.99	Line	-	35.25	0.06	0.04	9.89						
AV	217.5k	36.99	52.92	-15.93	9.99	Line	-	27.00	0.06	0.04	9.89						
QP	231k	42.83	62.41	-19.58	9.99	Line	-	32.84	0.06	0.04	9.89						
AV	231k	30.01	52.41	-22.40	9.99	Line	-	20.02	0.06	0.04	9.89						
QP	267k	38.53	61.20	-22.67	10.00	Line	-	28.53	0.06	0.05	9.89						
AV	267k	27.11	51.20	-24.09	10.00	Line	-	17.11	0.06	0.05	9.89						
QP	1.806M	32.02	56.00	-23.98	10.06	Line	-	21.96	0.09	0.08	9.89						
AV	1.806M	25.24	46.00	-20.76	10.06	Line	-	15.18	0.09	0.08	9.89						
QP	1.995M	36.19	56.00	-19.81	10.07	Line	-	26.12	0.09	0.09	9.89						
AV	1.995M	28.25	46.00	-17.75	10.07	Line	-	18.18	0.09	0.09	9.89						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	54.83	66.00	-11.17	10.00	Neutral	"Worst"	44.83	0.07	0.04	9.89						
AV	150k	38.88	56.00	-17.12	10.00	Neutral	-	28.88	0.07	0.04	9.89						
QP	177k	48.34	64.62	-16.28	10.00	Neutral	-	38.34	0.07	0.04	9.89						
AV	177k	33.82	54.62	-20.80	10.00	Neutral	-	23.82	0.07	0.04	9.89						
QP	199.5k	47.36	63.63	-16.27	10.00	Neutral	-	37.36	0.07	0.04	9.89						
AV	199.5k	34.50	53.63	-19.13	10.00	Neutral	-	24.50	0.07	0.04	9.89						
QP	222k	43.04	62.75	-19.71	10.00	Neutral	-	33.04	0.07	0.04	9.89						
AV	222k	32.04	52.75	-20.71	10.00	Neutral	-	22.04	0.07	0.04	9.89						
QP	253.5k	40.34	61.64	-21.30	10.01	Neutral	-	30.33	0.07	0.05	9.89						
AV	253.5k	28.67	51.64	-22.97	10.01	Neutral	-	18.66	0.07	0.05	9.89						
QP	1.946M	36.09	56.00	-19.91	10.08	Neutral	-	26.01	0.10	0.09	9.89						
AV	1.946M	28.65	46.00	-17.35	10.08	Neutral	-	18.57	0.10	0.09	9.89						
QP	2.054M	35.15	56.00	-20.85	10.08	Neutral	-	25.07	0.10	0.09	9.89						
AV	2.054M	27.13	46.00	-18.87	10.08	Neutral	-	17.05	0.10	0.09	9.89						

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	7.525M	10.261M	10M3G1D	6.55M	10.174M
802.11g_Nss1,(6Mbps)_4TX	16.35M	16.779M	16M8D1D	14.975M	16.567M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.975M	19.076M	19M1D1D	18.675M	19.002M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.95M	19.027M	19M0D1D	18.75M	19.002M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.9M	37.858M	37M9D1D	37.55M	37.711M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38M	37.809M	37M8D1D	37.55M	37.613M

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

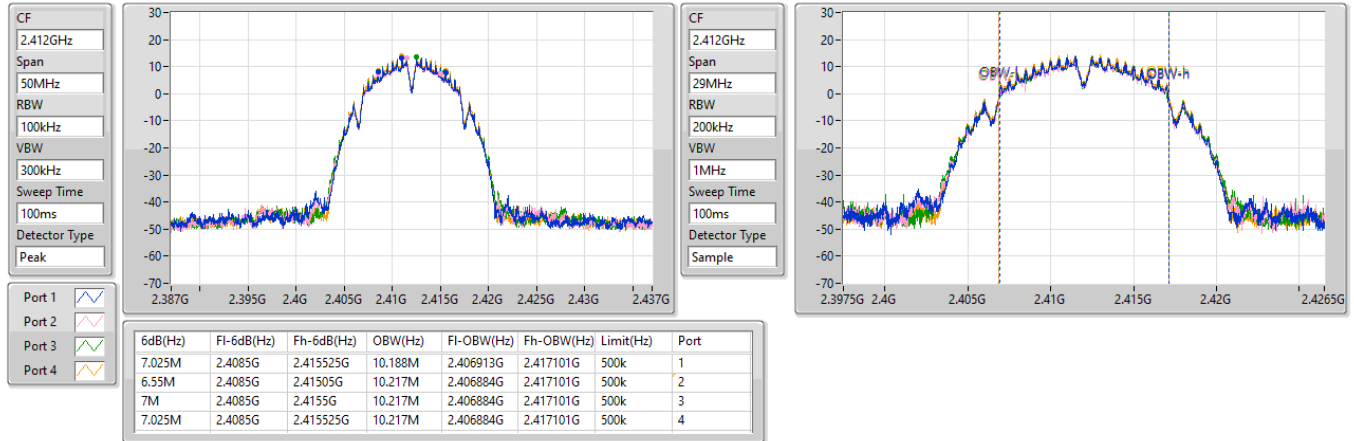
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.188M	6.55M	10.217M	7M	10.217M	7.025M	10.217M
2437MHz	Pass	500k	7M	10.232M	7.05M	10.261M	7.05M	10.232M	7.525M	10.203M
2462MHz	Pass	500k	7.05M	10.232M	7.025M	10.232M	6.575M	10.232M	7.025M	10.174M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	16.63M	15.1M	16.588M	15.1M	16.609M	14.975M	16.567M
2437MHz	Pass	500k	16.325M	16.694M	16.3M	16.694M	16.325M	16.694M	16.325M	16.715M
2462MHz	Pass	500k	16.325M	16.758M	16.3M	16.737M	16.325M	16.779M	16.35M	16.758M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.875M	19.002M	18.825M	19.076M	18.775M	19.027M	18.975M	19.027M
2437MHz	Pass	500k	18.925M	19.002M	18.925M	19.027M	18.675M	19.002M	18.85M	19.002M
2462MHz	Pass	500k	18.9M	19.002M	18.775M	19.027M	18.875M	19.051M	18.825M	19.027M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.65M	37.76M	37.6M	37.711M	37.55M	37.858M	37.6M	37.76M
2437MHz	Pass	500k	37.9M	37.711M	37.6M	37.711M	37.7M	37.711M	37.6M	37.76M
2452MHz	Pass	500k	37.6M	37.76M	37.6M	37.711M	37.8M	37.711M	37.55M	37.76M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.775M	19.027M	18.875M	19.027M	18.75M	19.027M	18.9M	19.002M
2437MHz	Pass	500k	18.8M	19.027M	18.9M	19.002M	18.9M	19.002M	18.9M	19.002M
2462MHz	Pass	500k	18.8M	19.002M	18.875M	19.002M	18.875M	19.002M	18.95M	19.027M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.662M	37.6M	37.809M	37.7M	37.76M	37.65M	37.662M
2437MHz	Pass	500k	38M	37.613M	37.7M	37.662M	37.7M	37.662M	37.55M	37.613M
2452MHz	Pass	500k	37.8M	37.711M	37.6M	37.76M	37.65M	37.76M	37.6M	37.711M

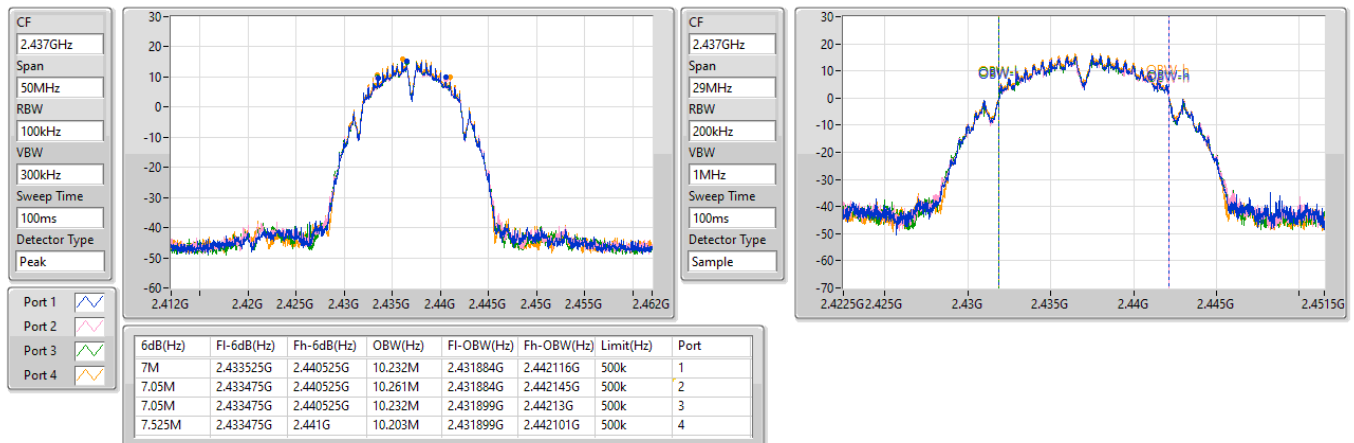
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

26/12/2022

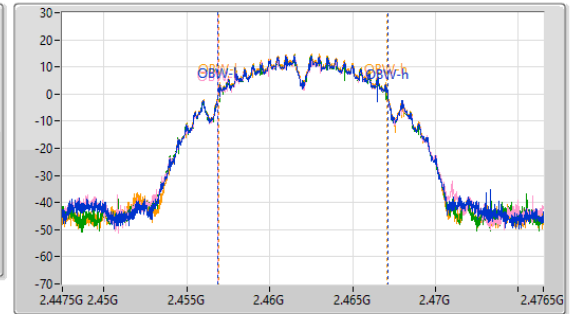
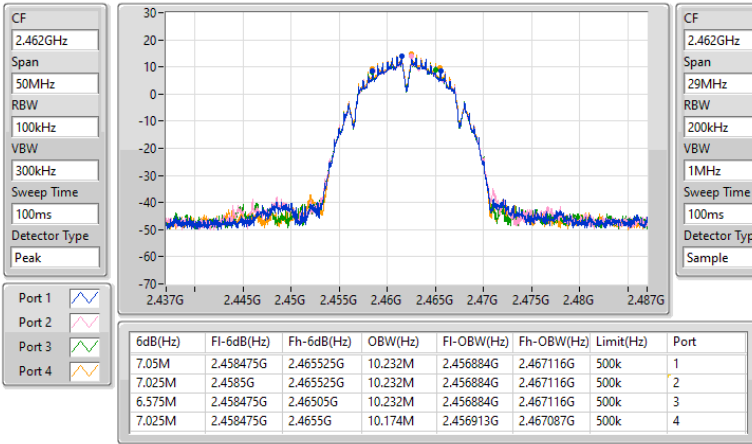

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

26/12/2022

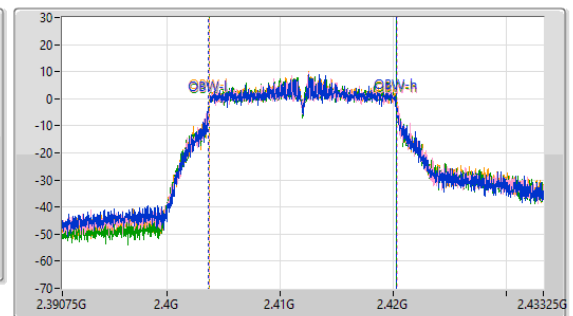
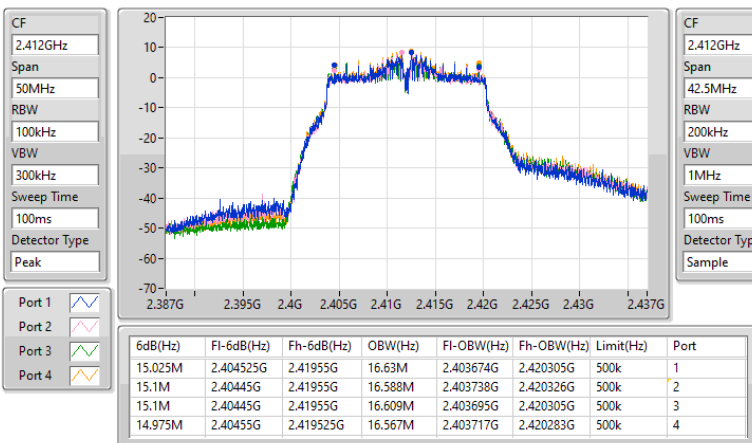


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

26/12/2022

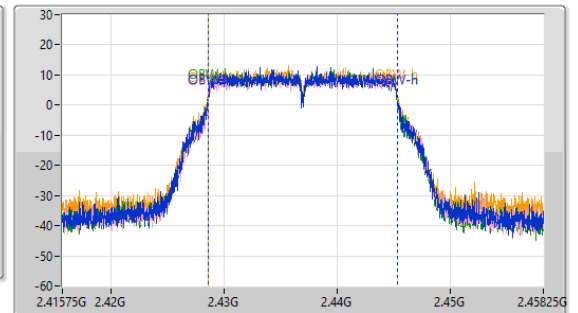
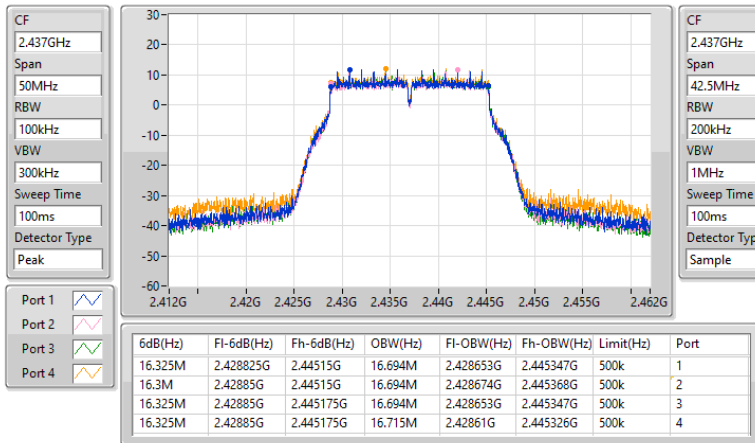

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

26/12/2022

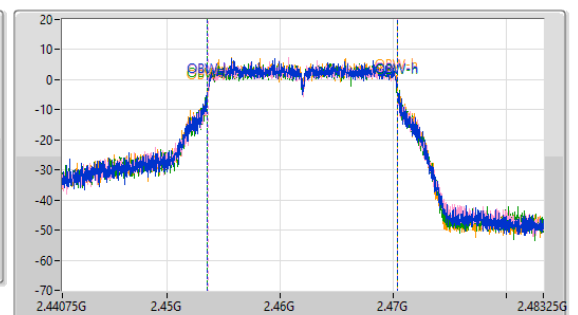
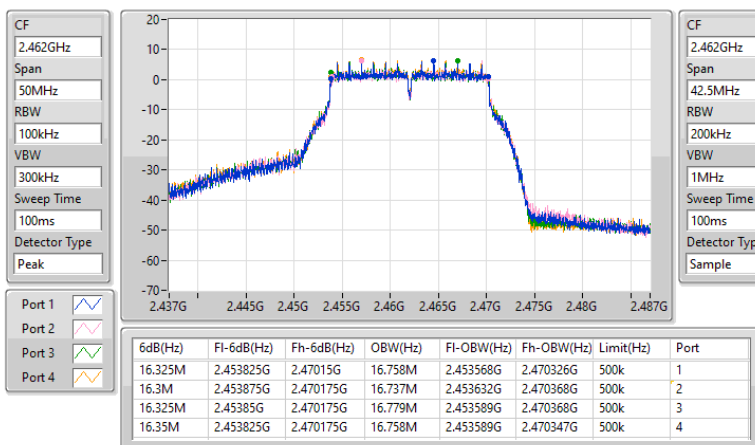


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX
2437MHz
EBW

26/12/2022


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

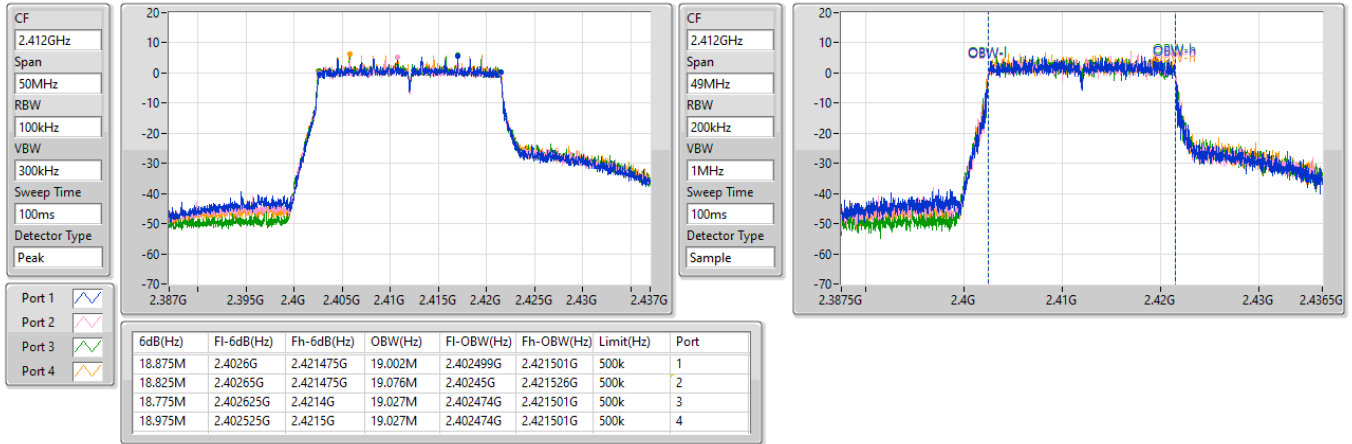
26/12/2022



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX 2412MHz

EBW

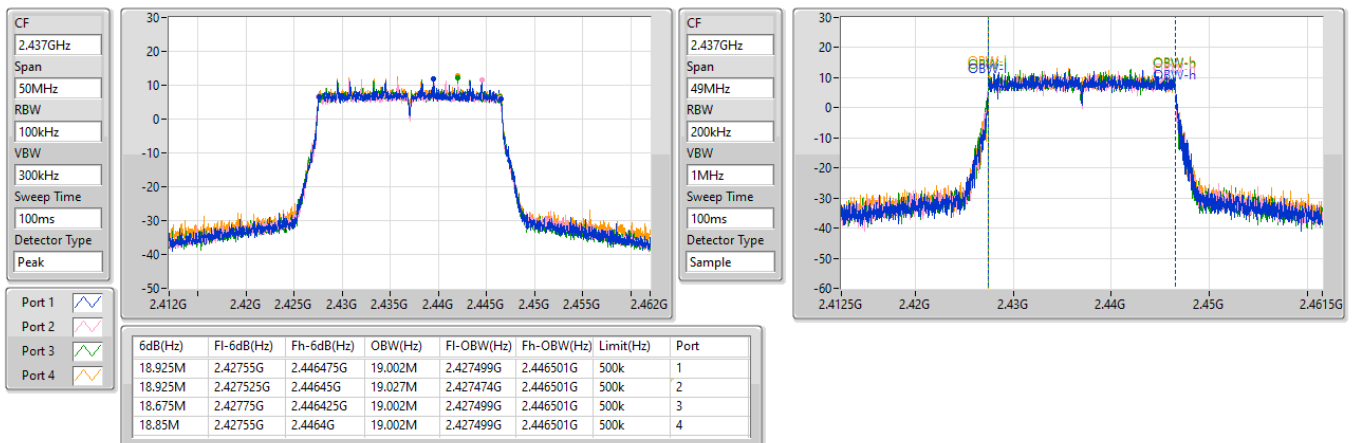
26/12/2022



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX 2437MHz

EBW

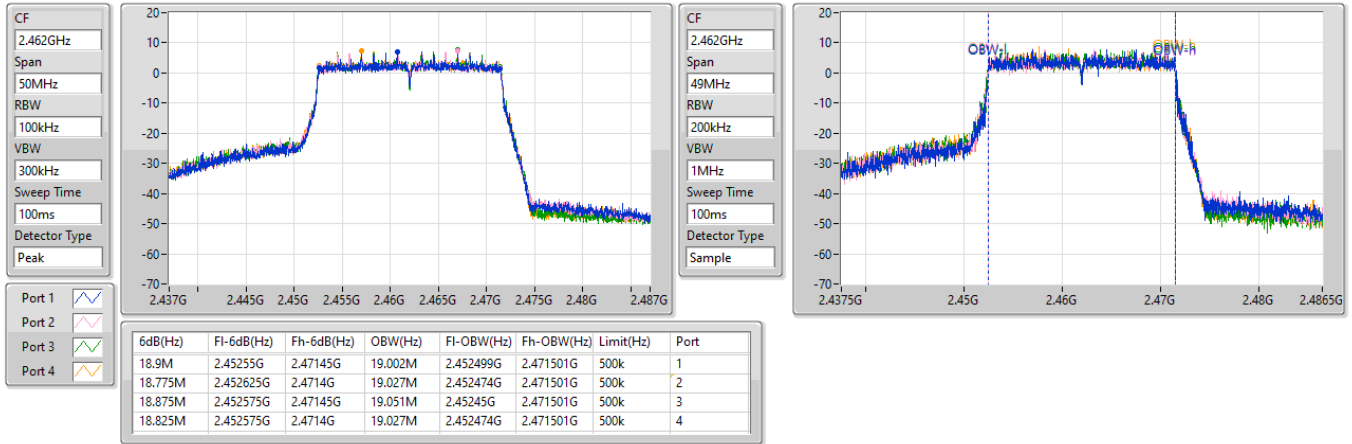
26/12/2022



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX 2462MHz

EBW

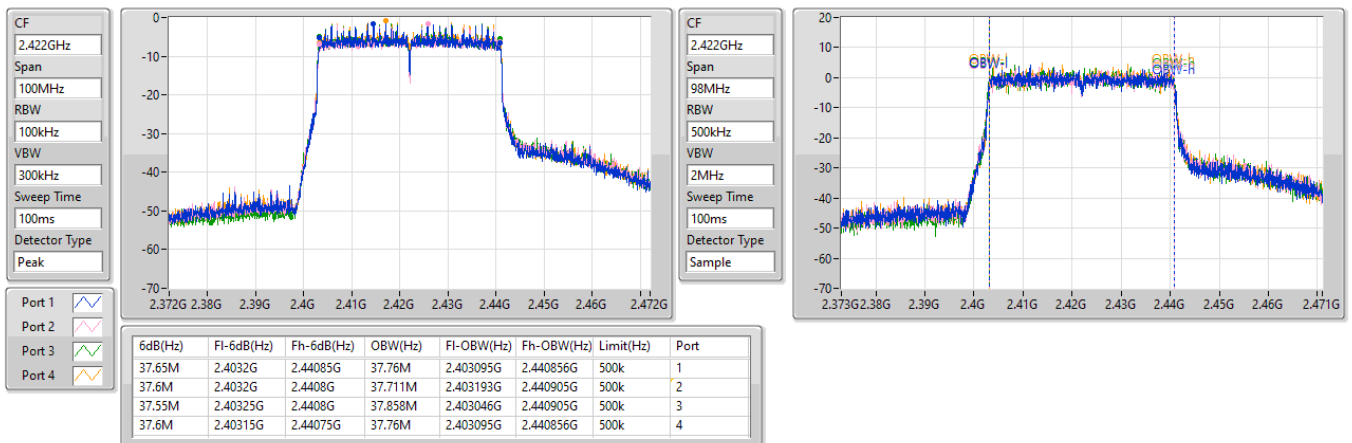
26/12/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX 2422MHz

EBW

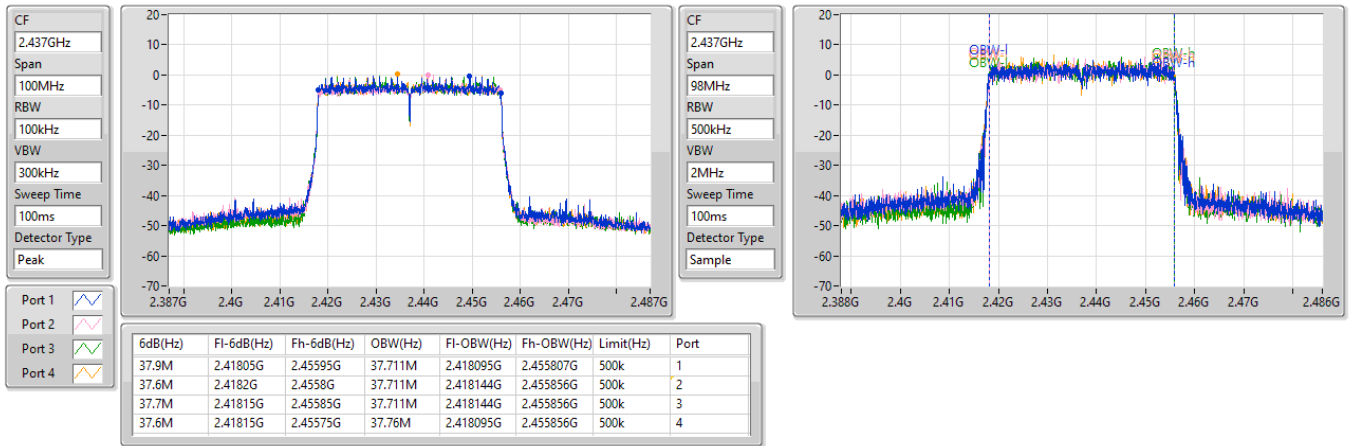
26/12/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX 2437MHz

EBW

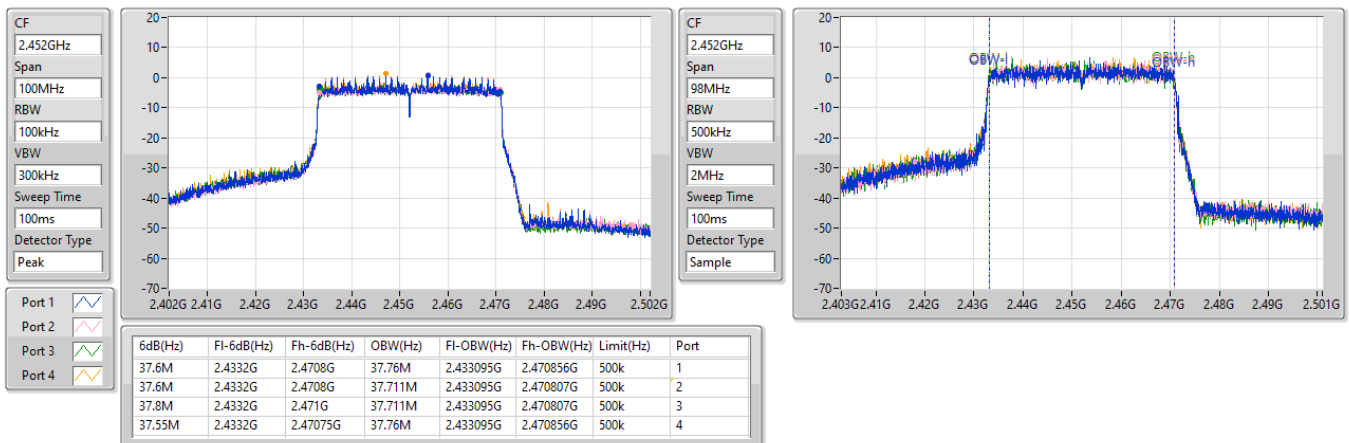
26/12/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX 2452MHz

EBW

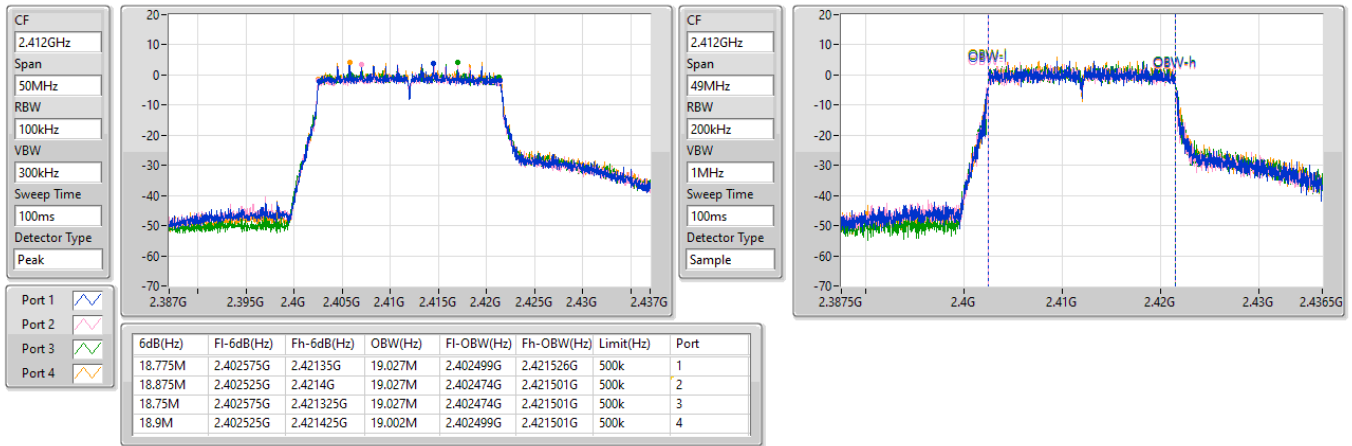
26/12/2022



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

EBW

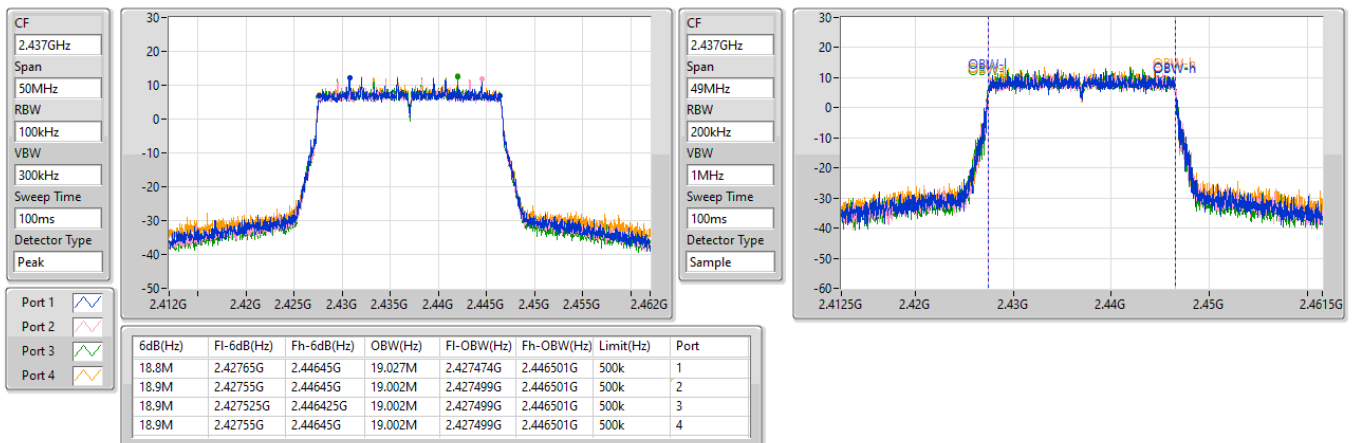
26/12/2022



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

EBW

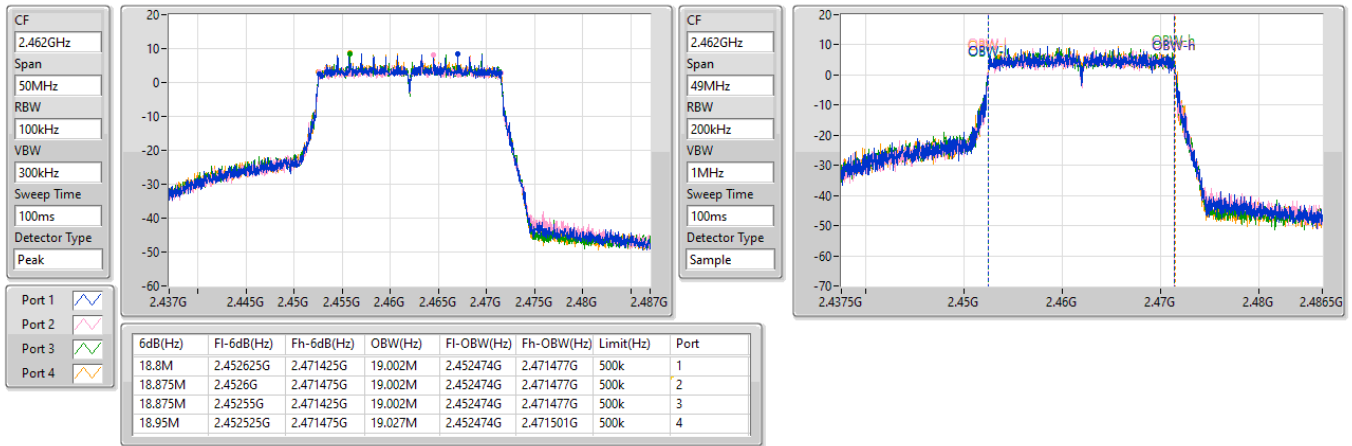
26/12/2022



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

EBW

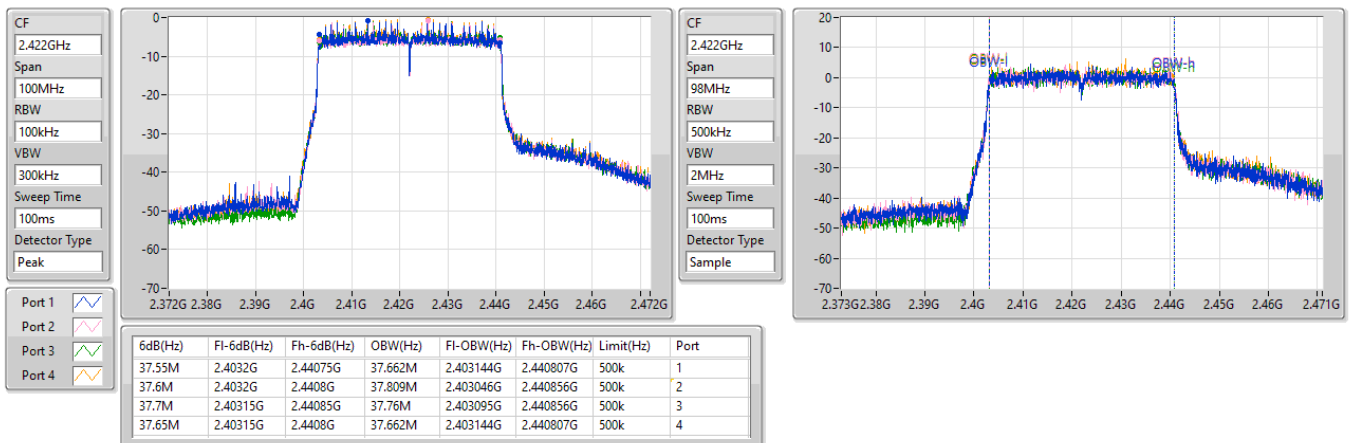
26/12/2022



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

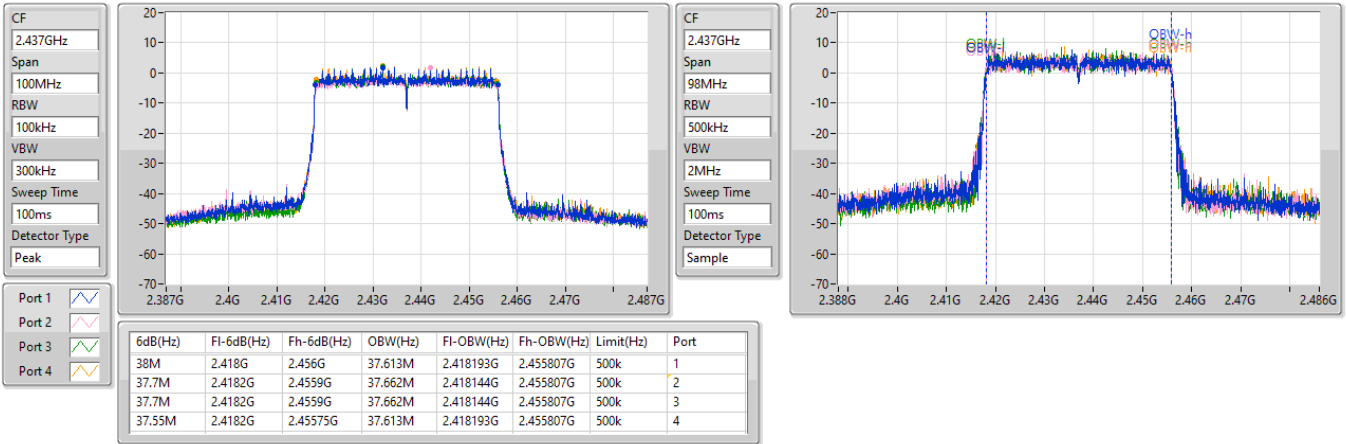
EBW

26/12/2022

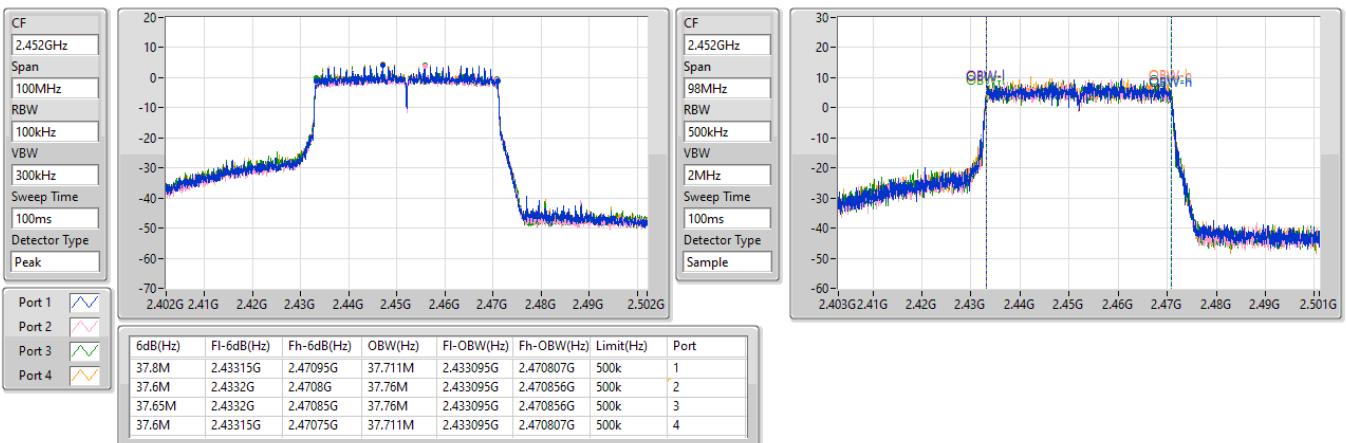


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

26/12/2022


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2452MHz

26/12/2022





Average Power

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.76	0.94624
802.11g_Nss1,(6Mbps)_4TX	29.59	0.90991
802.11ax HEW20_Nss1,(MCS0)_4TX	29.46	0.88308
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.79	0.95280
802.11ax HEW40_Nss1,(MCS0)_4TX	21.51	0.14158
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	24.87	0.30690

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.12	21.51	21.17	21.46	22.42	27.69	30.00
2417MHz	Pass	4.12	22.67	22.66	22.82	23.80	29.03	30.00
2437MHz	Pass	4.12	23.52	23.50	23.45	24.42	29.76	30.00
2462MHz	Pass	4.12	22.14	22.04	22.12	22.79	28.30	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.12	16.16	16.29	16.54	16.95	22.52	30.00
2417MHz	Pass	4.12	20.11	20.00	20.08	20.90	26.31	30.00
2437MHz	Pass	4.12	23.40	23.12	23.43	24.26	29.59	30.00
2457MHz	Pass	4.12	21.00	20.88	21.12	21.83	27.24	30.00
2462MHz	Pass	4.12	17.73	17.92	17.71	18.20	23.92	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.12	16.69	16.70	16.91	17.45	22.97	30.00
2417MHz	Pass	4.12	19.53	19.33	19.47	20.23	25.67	30.00
2437MHz	Pass	4.12	23.35	23.09	23.37	23.90	29.46	30.00
2457MHz	Pass	4.12	21.24	20.95	21.05	21.55	27.22	30.00
2462MHz	Pass	4.12	18.73	18.73	18.87	18.92	24.83	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.12	13.15	13.21	13.36	13.73	19.39	30.00
2437MHz	Pass	4.12	14.99	14.98	15.11	15.16	21.08	30.00
2452MHz	Pass	4.12	15.32	15.38	15.42	15.81	21.51	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.86	15.13	15.03	15.37	15.74	21.35	30.00
2417MHz	Pass	4.86	18.59	18.73	19.04	19.46	24.99	30.00
2437MHz	Pass	4.86	23.48	23.46	23.84	24.25	29.79	30.00
2457MHz	Pass	4.86	22.13	22.06	22.15	22.65	28.27	30.00
2462MHz	Pass	4.86	19.83	19.70	20.00	20.25	25.97	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.86	13.92	13.69	13.89	14.38	20.00	30.00
2437MHz	Pass	4.86	16.90	16.75	17.03	17.37	23.04	30.00
2452MHz	Pass	4.86	18.85	18.62	18.78	19.14	24.87	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	4.72
802.11g_Nss1,(6Mbps)_4TX	1.61
802.11ax HEW20_Nss1,(MCS0)_4TX	0.85
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.85
802.11ax HEW40_Nss1,(MCS0)_4TX	-9.94
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-6.89

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	4.86	-0.22	-1.85	-1.68	-0.36	2.61	8.00
2437MHz	Pass	4.86	1.44	0.30	0.96	1.35	4.72	8.00
2462MHz	Pass	4.86	-0.56	-1.12	0.68	-0.94	3.69	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.86	-6.51	-6.58	-6.31	-5.70	-0.24	8.00
2437MHz	Pass	4.86	-2.07	-2.57	-2.57	-2.59	1.61	8.00
2462MHz	Pass	4.86	-9.08	-9.21	-8.52	-8.88	-4.95	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.86	-9.76	-10.63	-10.49	-9.57	-6.46	8.00
2437MHz	Pass	4.86	-3.75	-3.17	-4.77	-3.08	0.85	8.00
2462MHz	Pass	4.86	-8.31	-7.34	-7.91	-8.72	-4.44	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.86	-16.71	-15.14	-15.58	-15.80	-11.91	8.00
2437MHz	Pass	4.86	-15.57	-15.00	-13.98	-15.44	-10.32	8.00
2452MHz	Pass	4.86	-14.13	-14.79	-13.56	-14.45	-9.94	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.86	-12.04	-12.23	-12.04	-11.67	-7.45	8.00
2437MHz	Pass	4.86	-4.62	-3.59	-3.01	-2.52	0.85	8.00
2462MHz	Pass	4.86	-7.79	-7.94	-7.26	-6.45	-3.19	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.86	-16.25	-16.15	-16.40	-15.56	-11.59	8.00
2437MHz	Pass	4.86	-13.49	-13.24	-13.75	-13.51	-8.81	8.00
2452MHz	Pass	4.86	-11.42	-11.77	-10.33	-10.64	-6.89	8.00

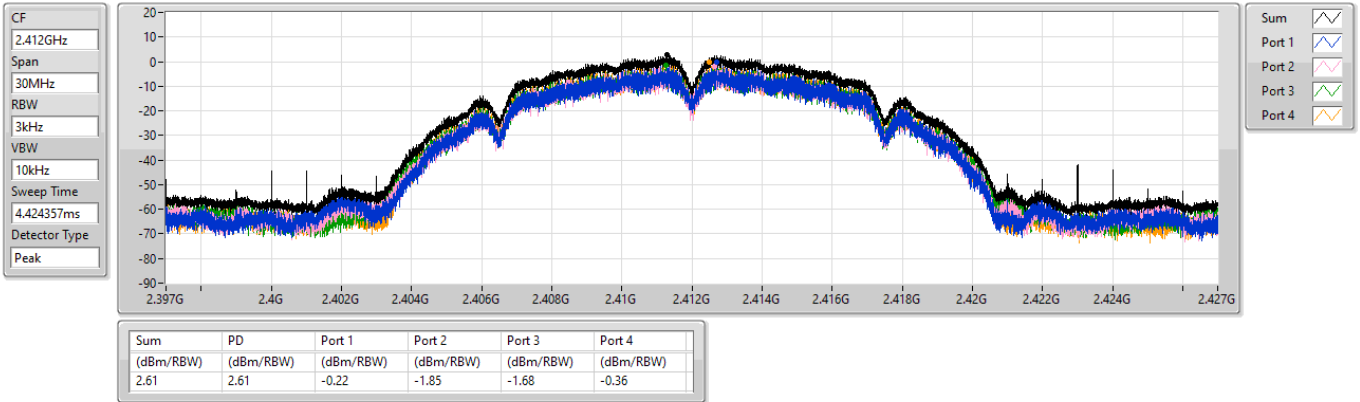
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

2412MHz

PSD

26/12/2022

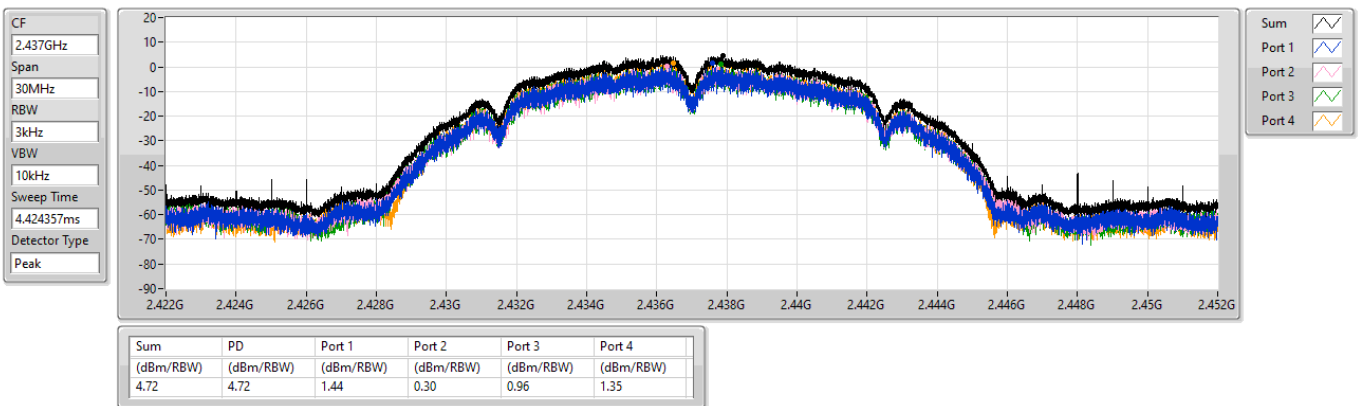


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz

PSD

26/12/2022

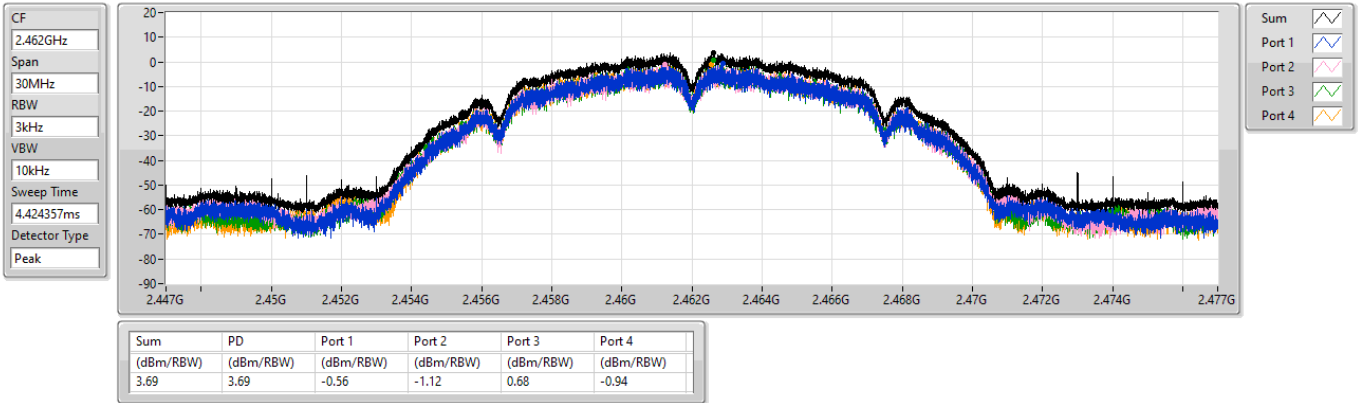


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2462MHz

PSD

26/12/2022

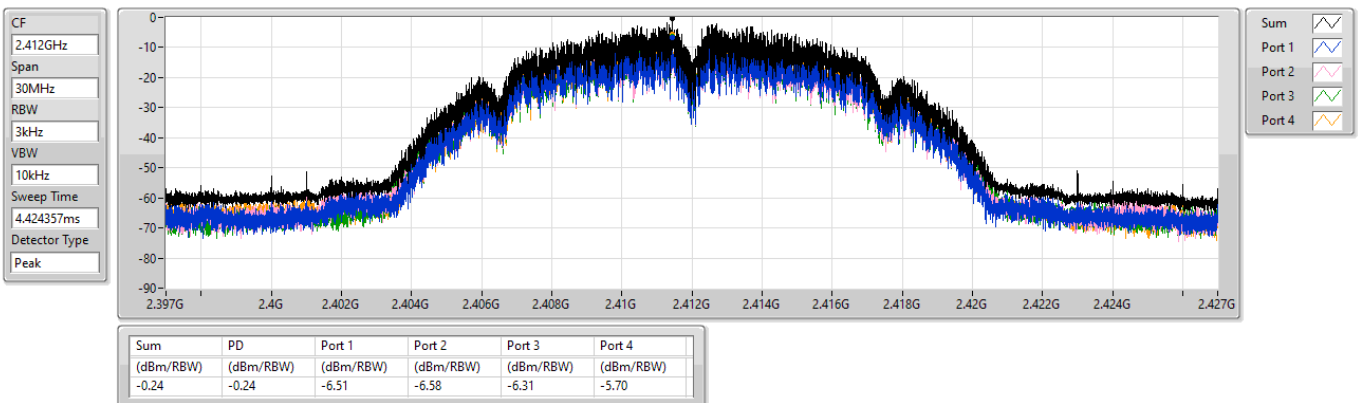


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz

PSD

26/12/2022

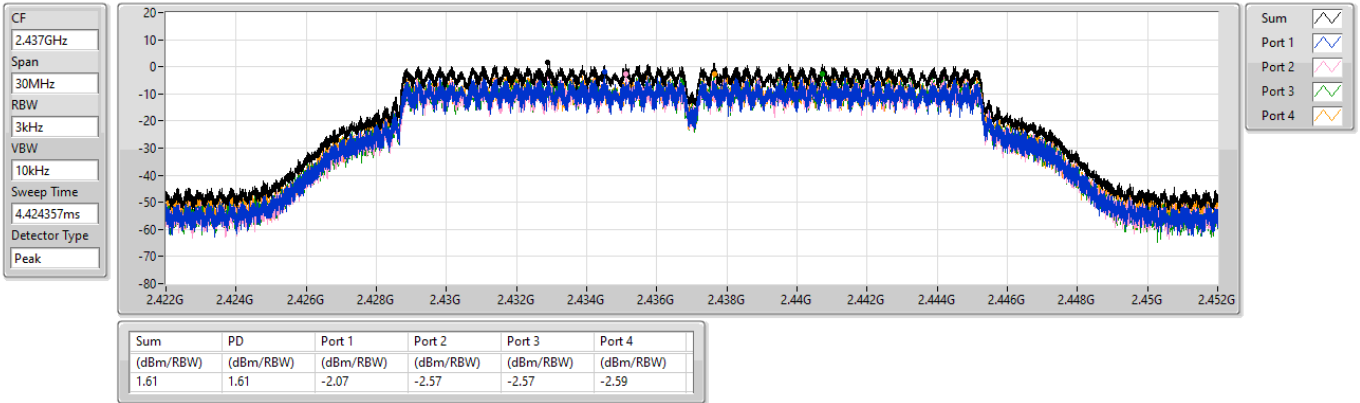


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz

PSD

26/12/2022

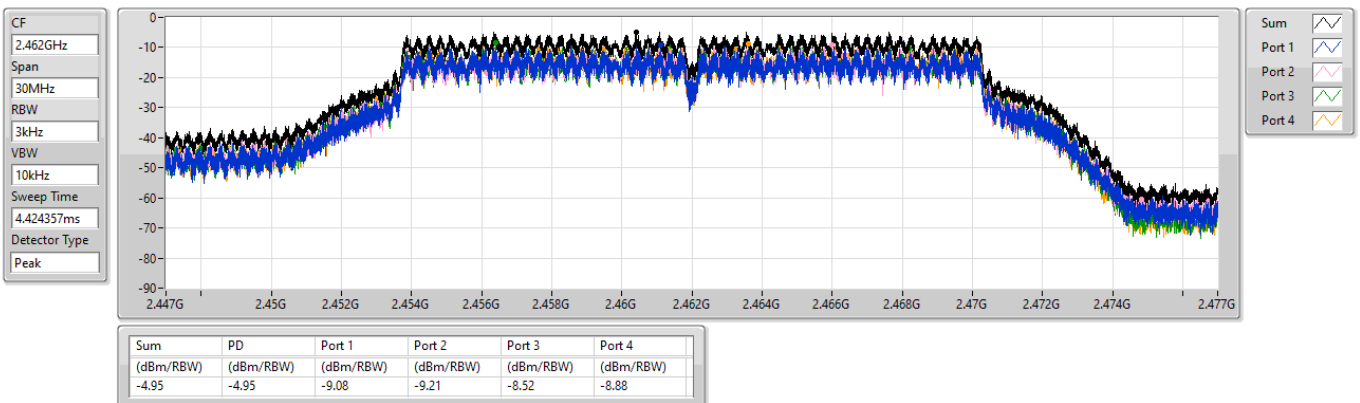


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

26/12/2022

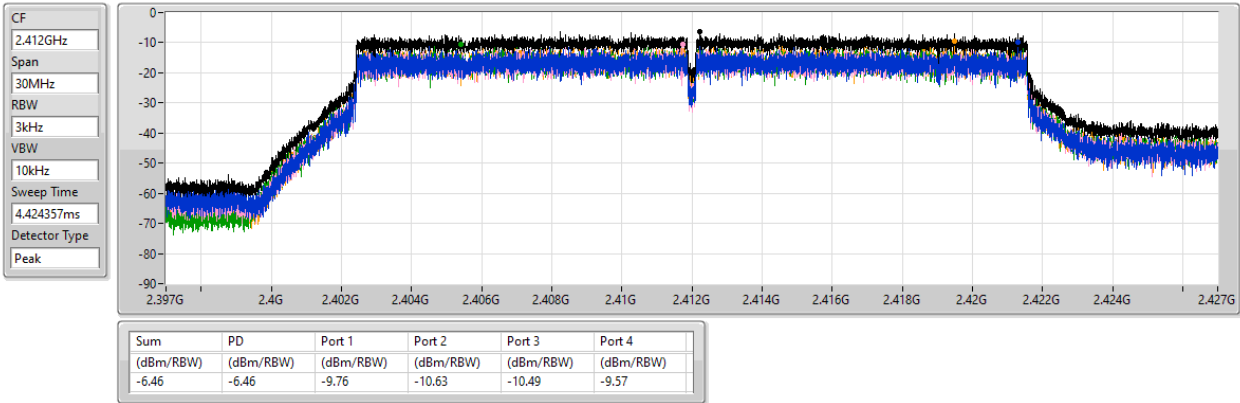


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz

PSD

26/12/2022

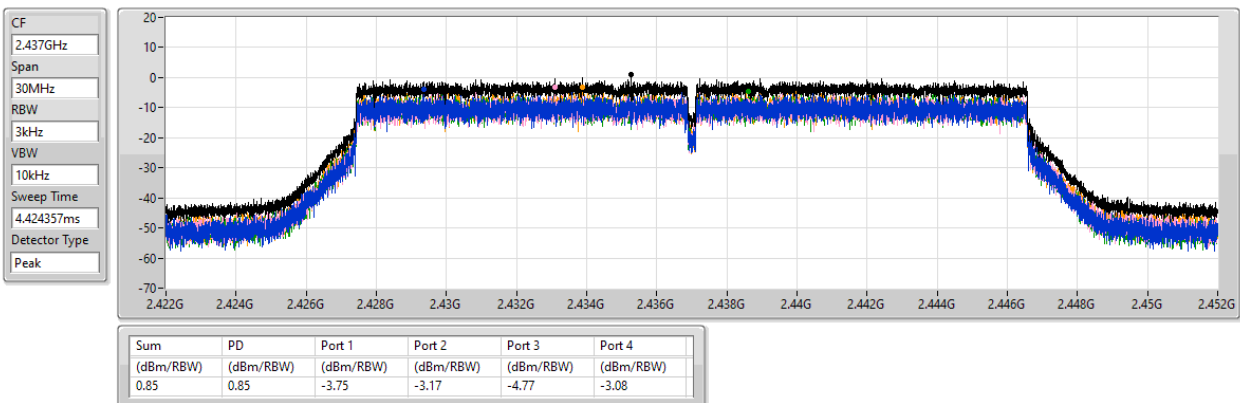


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz

PSD

26/12/2022

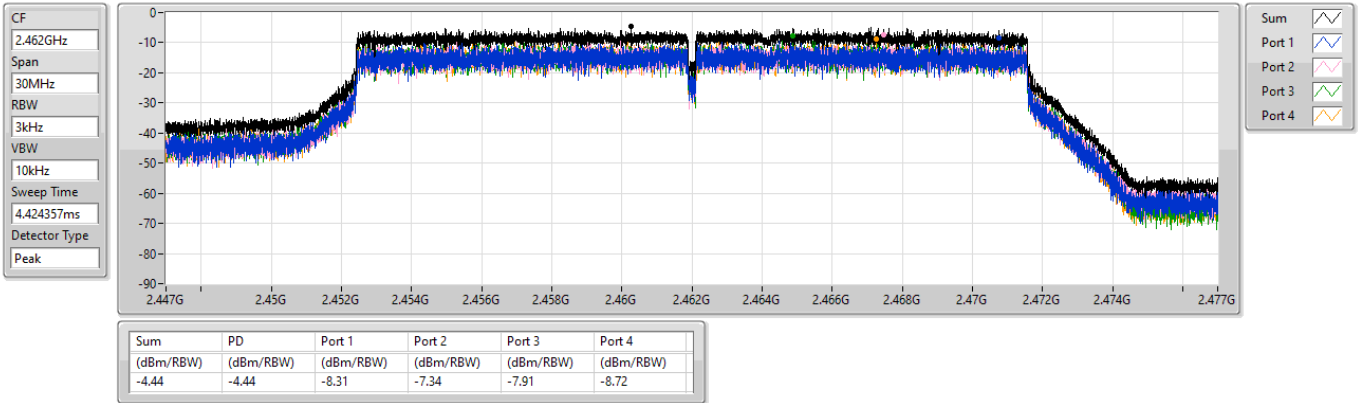


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz

PSD

26/12/2022

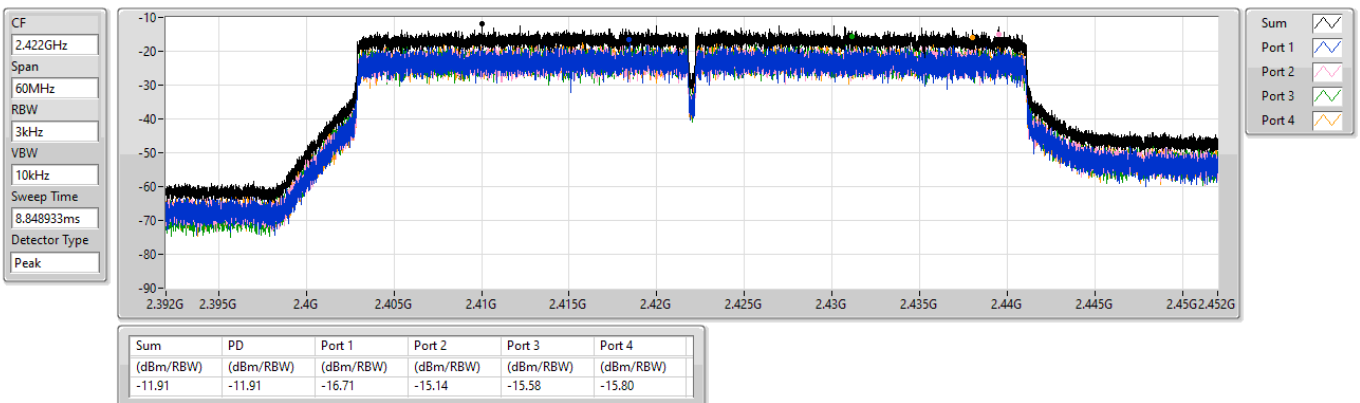


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz

PSD

26/12/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz

PSD

26/12/2022

CF
2.437GHz

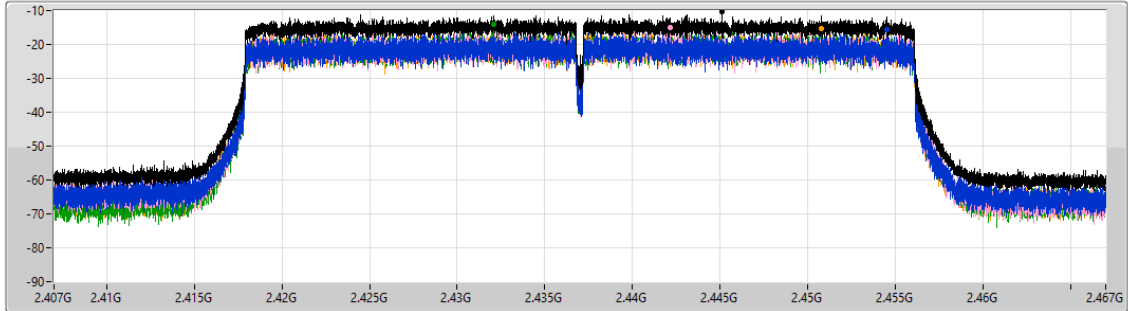
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.32	-10.32	-15.57	-15.00	-13.98	-15.44

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz

PSD

26/12/2022

CF
2.452GHz

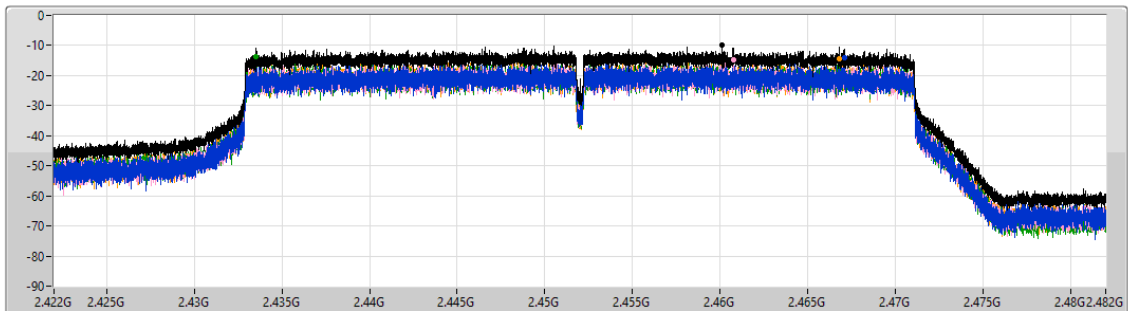
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



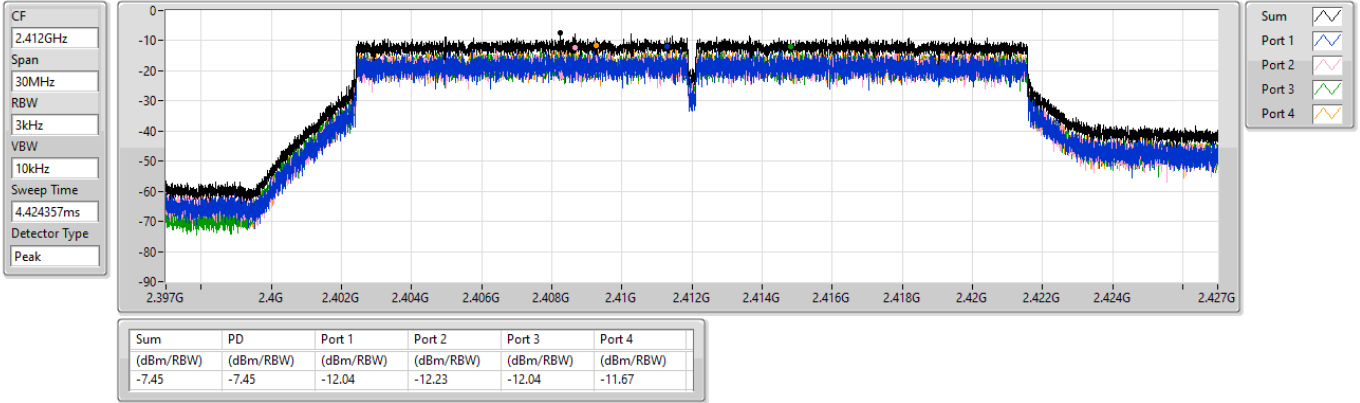
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.94	-9.94	-14.13	-14.79	-13.56	-14.45

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

2412MHz

PSD

26/12/2022

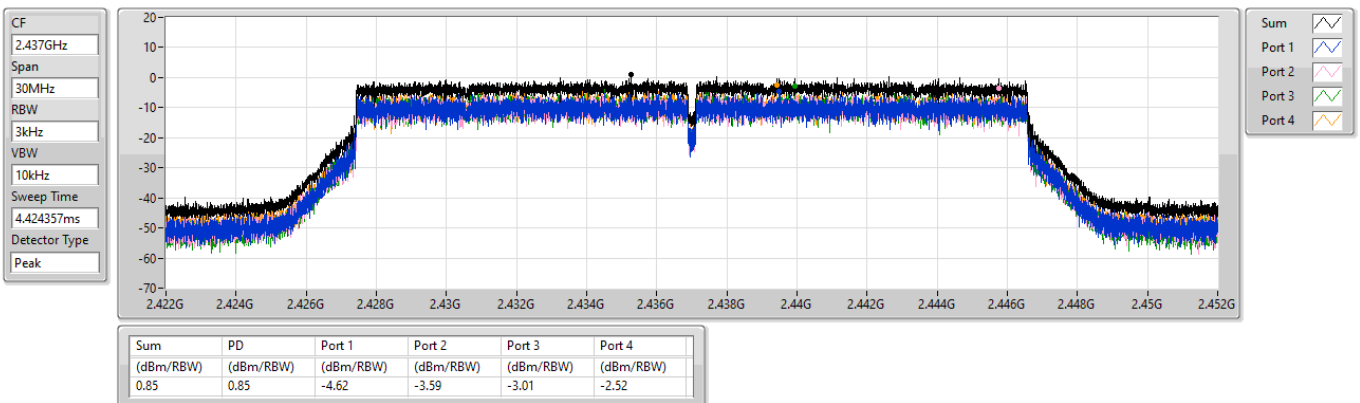


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz

PSD

26/12/2022

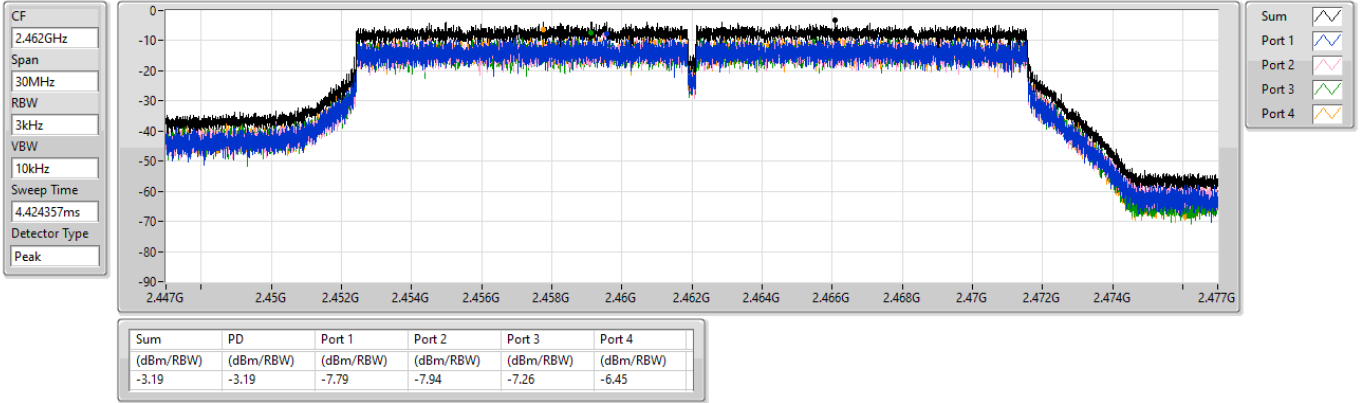


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz

PSD

26/12/2022

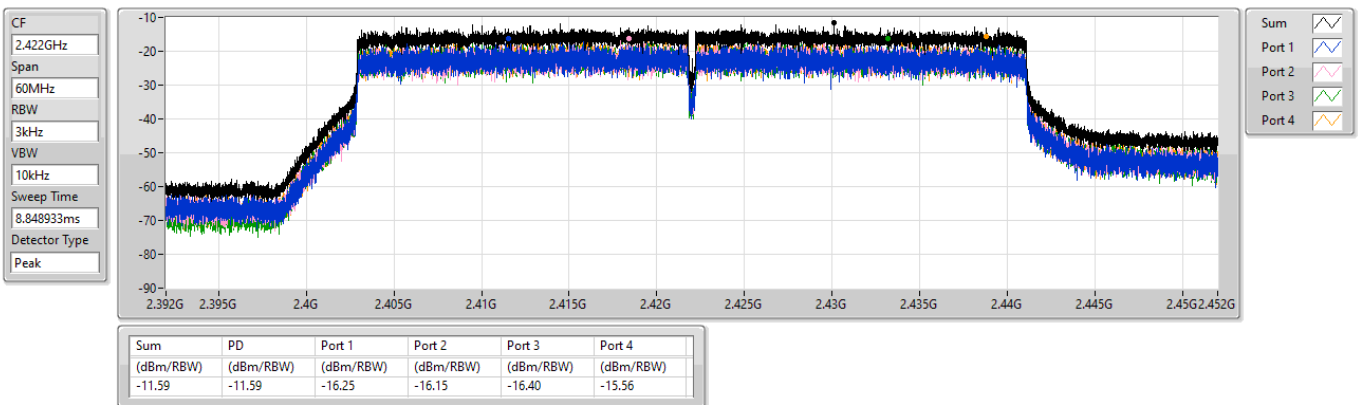


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz

PSD

26/12/2022

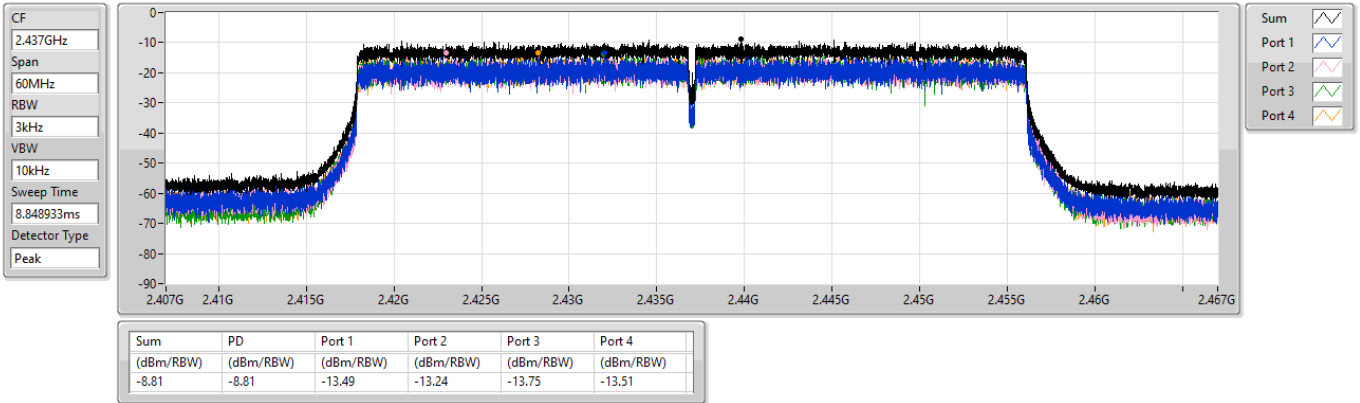


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz

PSD

26/12/2022

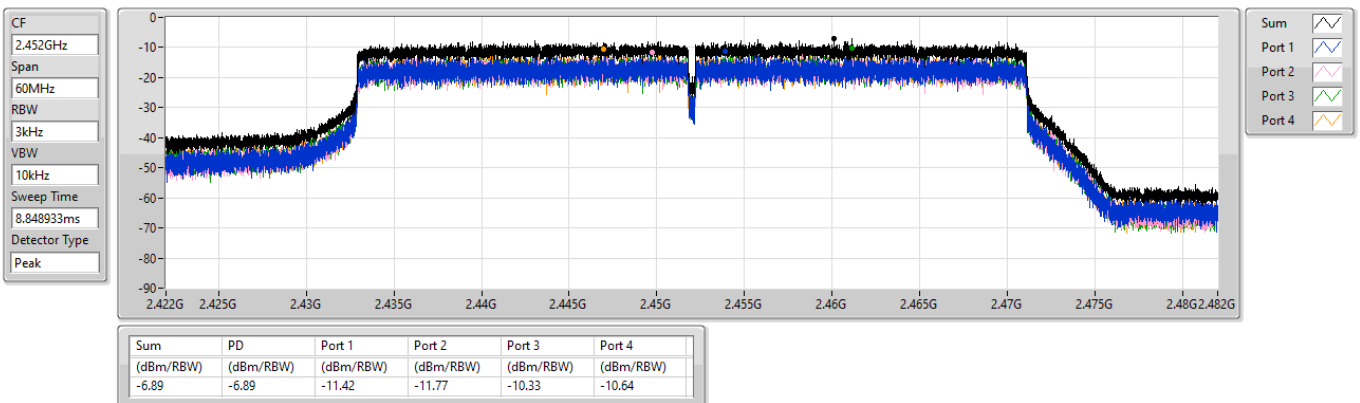


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz

PSD

26/12/2022



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43741G	15.70	-14.30	2.30991G	-51.11	2.39904G	-40.59	2.4G	-41.93	2.50158G	-48.54	24.54766G	-45.17	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43824G	12.17	-17.83	2.12234G	-51.93	2.39992G	-33.76	2.4G	-33.28	2.50822G	-49.32	16.43645G	-46.05	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.44442G	12.38	-17.62	2.13283G	-51.85	2.4G	-38.06	2.4G	-34.70	2.50174G	-50.12	24.78647G	-46.11	3
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.44192G	12.80	-17.20	908.41M	-52.09	2.4G	-39.60	2.4G	-37.23	2.5115G	-49.86	17.0658G	-46.54	3
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.44693G	1.20	-28.80	869.29M	-52.50	2.39984G	-38.21	2.4G	-36.49	2.50718G	-51.55	16.80787G	-45.26	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.44693G	4.54	-25.46	940.28M	-52.04	2.39984G	-37.47	2.4G	-33.88	2.52158G	-50.94	16.65643G	-46.11	4

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	15.70	-14.30	2.30175G	-51.40	2.39728G	-41.80	2.4G	-43.03	2.51694G	-48.77	24.45494G	-46.07	1
2412MHz	Pass	2.43741G	15.70	-14.30	2.30175G	-51.84	2.4G	-41.32	2.4G	-41.87	2.5147G	-48.68	16.41679G	-45.42	2
2412MHz	Pass	2.43741G	15.70	-14.30	2.30991G	-51.11	2.39904G	-40.59	2.4G	-41.93	2.50158G	-48.54	24.54766G	-45.17	3
2412MHz	Pass	2.43741G	15.70	-14.30	2.30292G	-51.50	2.3968G	-40.75	2.4G	-43.90	2.50182G	-48.65	6.81089G	-46.49	4
2437MHz	Pass	2.43741G	15.70	-14.30	2.30758G	-51.35	2.39752G	-45.02	2.4G	-45.36	2.50574G	-46.10	24.15713G	-46.39	1
2437MHz	Pass	2.43741G	15.70	-14.30	2.30874G	-51.29	2.3916G	-45.17	2.4G	-45.12	2.51526G	-47.06	15.0991G	-45.30	2
2437MHz	Pass	2.43741G	15.70	-14.30	2.30641G	-49.75	2.39904G	-44.15	2.4G	-47.88	2.51734G	-46.51	16.90284G	-45.79	3
2437MHz	Pass	2.43741G	15.70	-14.30	2.30175G	-50.66	2.39872G	-44.21	2.4G	-45.78	2.50006G	-46.16	16.81574G	-45.70	4
2462MHz	Pass	2.43741G	15.70	-14.30	2.30758G	-51.72	2.39888G	-47.77	2.4G	-49.60	2.50238G	-45.76	16.51793G	-45.30	1
2462MHz	Pass	2.43741G	15.70	-14.30	2.30175G	-51.76	2.39936G	-47.98	2.4G	-49.20	2.50158G	-45.41	16.73989G	-44.08	2
2462MHz	Pass	2.43741G	15.70	-14.30	2.30175G	-51.85	2.39144G	-47.59	2.4G	-49.10	2.50502G	-46.84	23.48284G	-46.14	3
2462MHz	Pass	2.43741G	15.70	-14.30	2.30874G	-51.62	2.3984G	-47.27	2.4G	-49.33	2.50262G	-45.89	16.50107G	-46.37	4
802.11g_Nss1(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.17	-17.83	838.51M	-52.51	2.39984G	-35.14	2.4G	-37.22	2.50942G	-50.11	15.20587G	-45.73	1
2412MHz	Pass	2.43824G	12.17	-17.83	239.7M	-51.54	2.39944G	-35.43	2.4G	-34.89	2.50566G	-50.42	16.43926G	-46.13	2
2412MHz	Pass	2.43824G	12.17	-17.83	2.18176G	-52.01	2.3996G	-35.09	2.4G	-35.76	2.51182G	-50.23	16.64436G	-45.76	3
2412MHz	Pass	2.43824G	12.17	-17.83	2.12234G	-51.93	2.39992G	-33.76	2.4G	-33.28	2.50822G	-49.32	16.43645G	-46.05	4
2437MHz	Pass	2.43824G	12.17	-17.83	2.30175G	-50.18	2.396G	-44.09	2.4G	-44.70	2.51142G	-45.79	16.81013G	-46.24	1
2437MHz	Pass	2.43824G	12.17	-17.83	2.30292G	-49.78	2.39944G	-43.76	2.4G	-45.56	2.5035G	-45.80	16.40836G	-45.88	2
2437MHz	Pass	2.43824G	12.17	-17.83	2.30874G	-50.34	2.39776G	-44.29	2.4G	-45.97	2.51006G	-46.50	16.50107G	-45.65	3
2437MHz	Pass	2.43824G	12.17	-17.83	2.30641G	-50.71	2.3996G	-42.49	2.4G	-43.22	2.50006G	-46.70	16.95341G	-46.12	4
2462MHz	Pass	2.43824G	12.17	-17.83	886.28M	-51.87	2.392G	-49.65	2.4G	-52.23	2.51414G	-48.04	16.74831G	-45.46	1
2462MHz	Pass	2.43824G	12.17	-17.83	500.66M	-52.28	2.39808G	-49.57	2.4G	-52.17	2.50918G	-47.73	16.56569G	-46.29	2
2462MHz	Pass	2.43824G	12.17	-17.83	2.30991G	-51.30	2.3992G	-49.19	2.4G	-51.57	2.50038G	-48.05	15.1862G	-46.23	3
2462MHz	Pass	2.43824G	12.17	-17.83	2.30758G	-52.13	2.39936G	-49.82	2.4G	-51.32	2.50766G	-48.57	16.94779G	-45.92	4
802.11ax HEW20_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44442G	12.38	-17.62	2.13166G	-52.18	2.39824G	-39.75	2.4G	-38.21	2.5015G	-50.05	24.27232G	-46.36	1
2412MHz	Pass	2.44442G	12.38	-17.62	759.29M	-52.66	2.39704G	-37.89	2.4G	-37.08	2.51158G	-50.54	24.41561G	-46.45	2
2412MHz	Pass	2.44442G	12.38	-17.62	2.13283G	-51.85	2.4G	-38.06	2.4G	-34.70	2.50174G	-50.12	24.78647G	-46.11	3
2412MHz	Pass	2.44442G	12.38	-17.62	365.52M	-52.26	2.4G	-38.64	2.4G	-37.71	2.51374G	-50.19	24.49147G	-45.98	4
2437MHz	Pass	2.44442G	12.38	-17.62	2.30408G	-50.52	2.39856G	-41.62	2.4G	-43.02	2.50694G	-46.33	24.54485G	-45.21	1
2437MHz	Pass	2.44442G	12.38	-17.62	2.30408G	-51.66	2.3992G	-41.98	2.4G	-43.45	2.50014G	-45.26	21.45714G	-46.78	2
2437MHz	Pass	2.44442G	12.38	-17.62	2.30175G	-50.97	2.39968G	-42.84	2.4G	-43.99	2.50246G	-46.18	15.29296G	-45.94	3
2437MHz	Pass	2.44442G	12.38	-17.62	2.30059G	-51.11	2.3992G	-40.18	2.4G	-41.33	2.5007G	-46.46	16.69212G	-45.89	4
2462MHz	Pass	2.44442G	12.38	-17.62	895.6M	-51.59	2.39984G	-48.77	2.4G	-51.18	2.50038G	-46.78	6.78842G	-46.02	1
2462MHz	Pass	2.44442G	12.38	-17.62	2.30641G	-51.75	2.39792G	-49.66	2.4G	-50.72	2.5087G	-47.48	6.83618G	-45.98	2
2462MHz	Pass	2.44442G	12.38	-17.62	2.30292G	-50.66	2.39456G	-49.05	2.4G	-51.03	2.50294G	-47.15	17.05737G	-46.07	3
2462MHz	Pass	2.44442G	12.38	-17.62	2.10836G	-51.71	2.39328G	-48.94	2.4G	-50.97	2.50742G	-48.18	17.13042G	-46.18	4
802.11ax HEW40_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44693G	1.20	-28.80	1.6559G	-52.09	2.39984G	-38.56	2.4G	-37.14	2.52526G	-51.03	16.42365G	-45.81	1
2422MHz	Pass	2.44693G	1.20	-28.80	878.45M	-52.29	2.4G	-38.54	2.4G	-36.92	2.51246G	-49.74	21.50552G	-46.05	2
2422MHz	Pass	2.44693G	1.20	-28.80	869.29M	-52.50	2.39984G	-38.21	2.4G	-36.49	2.50718G	-51.55	16.80787G	-45.26	3
2422MHz	Pass	2.44693G	1.20	-28.80	1.88376G	-52.97	2.39984G	-37.57	2.4G	-37.26	2.52126G	-50.70	17.51743G	-46.00	4
2437MHz	Pass	2.44693G	1.20	-28.80	2.10703G	-52.68	2.39952G	-44.74	2.4G	-45.40	2.52062G	-50.34	16.2077G	-45.17	1
2437MHz	Pass	2.44693G	1.20	-28.80	909.36M	-51.59	2.39968G	-41.85	2.4G	-46.58	2.50094G	-50.27	6.77034G	-45.84	2
2437MHz	Pass	2.44693G	1.20	-28.80	719.29M	-52.49	2.3992G	-47.32	2.4G	-47.54	2.50718G	-49.95	23.14899G	-45.82	3
2437MHz	Pass	2.44693G	1.20	-28.80	1.96276G	-52.09	2.39968G	-43.48	2.4G	-47.11	2.5019G	-50.26	16.21331G	-46.16	4
2452MHz	Pass	2.44693G	1.20	-28.80	885.32M	-52.20	2.39952G	-37.68	2.4G	-41.62	2.50078G	-49.35	24.46433G	-45.67	1
2452MHz	Pass	2.44693G	1.20	-28.80	749.06M	-52.08	2.39584G	-39.66	2.4G	-41.92	2.50574G	-47.35	15.11111G	-45.41	2
2452MHz	Pass	2.44693G	1.20	-28.80	560.14M	-50.87	2.39968G	-38.29	2.4G	-41.06	2.50126G	-47.79	6.76473G	-46.12	3
2452MHz	Pass	2.44693G	1.20	-28.80	744.48M	-52.37	2.39952G	-37.59	2.4G	-41.73	2.50814G	-47.32	6.76193G	-44.93	4
802.11ax HEW20-BF_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	12.80	-17.20	2.18991G	-52.32	2.4G	-42.01	2.4G	-38.53	2.50446G	-50.88	15.19463G	-46.11	1
2412MHz	Pass	2.44192G	12.80	-17.20	956.18M	-51.94	2.4G	-40.91	2.4G	-39.00	2.50286G	-50.18	24.1487G	-46.17	2
2412MHz	Pass	2.44192G	12.80	-17.20	908.41M	-52.09	2.4G	-39.60	2.4G	-37.23	2.5115G	-49.86	17.0658G	-46.54	3
2412MHz	Pass	2.44192G	12.80	-17.20	950.35M	-52.67	2.4G	-41.60	2.4G	-37.56	2.51974G	-50.56	24.51956G	-45.53	4
2437MHz	Pass	2.44192G	12.80	-17.20	2.30641G	-49.72	2.39976G	-41.14	2.4G	-42.18	2.50534G	-46.29	15.09348G	-45.88	1
2437MHz	Pass	2.44192G	12.80	-17.20	935.21M	-50.19	2.3988G	-40.52	2.4G	-41.52	2.50382G	-45.99	24.56452G	-46.12	2
2437MHz	Pass	2.44192G	12.80	-17.20	2.17943G	-49.42	2.39896G	-42.81	2.4G	-44.48	2.5139G	-45.99	16.73989G	-46.01	3
2437MHz	Pass	2.44192G	12.80	-17.20	2.30991G	-49.73	2.39992G	-39.49	2.4G	-40.94	2.51054G	-46.46	16.84384G	-46.44	4

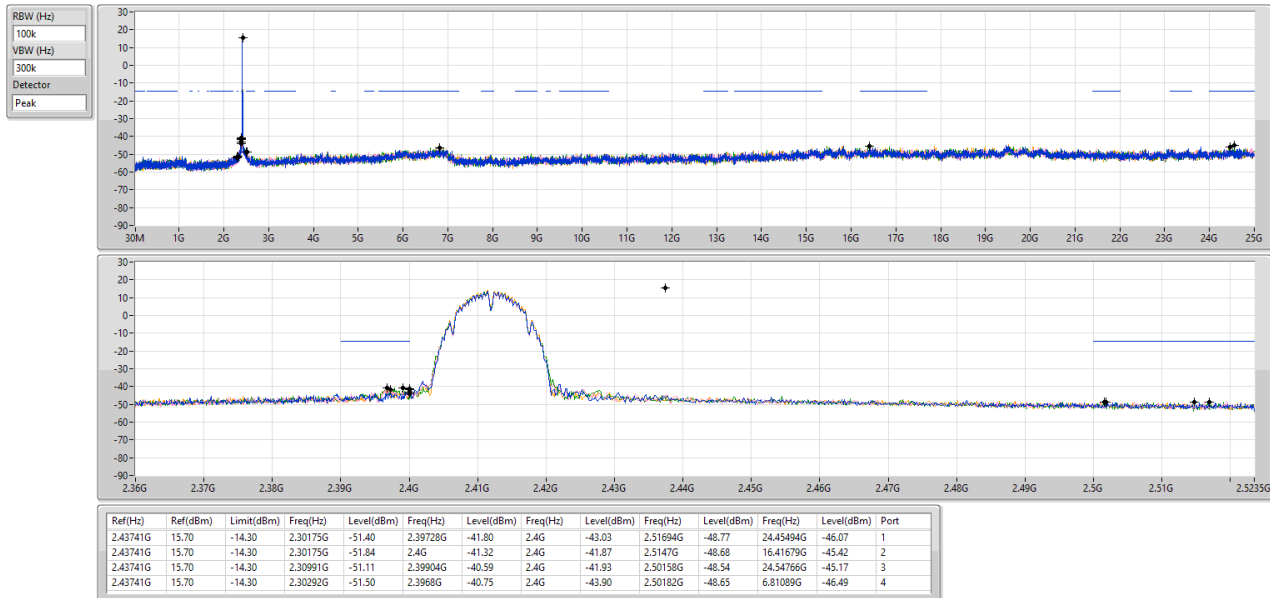
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2462MHz	Pass	2.44192G	12.80	-17.20	2.30874G	-51.60	2.39656G	-48.45	2.4G	-51.59	2.51286G	-46.29	24.81457G	-45.84	1
2462MHz	Pass	2.44192G	12.80	-17.20	2.30408G	-52.16	2.39744G	-49.05	2.4G	-49.81	2.50174G	-45.99	16.75112G	-45.56	2
2462MHz	Pass	2.44192G	12.80	-17.20	1.99303G	-52.50	2.39696G	-47.25	2.4G	-50.56	2.51174G	-47.03	24.84828G	-45.35	3
2462MHz	Pass	2.44192G	12.80	-17.20	953.85M	-51.78	2.3924G	-49.13	2.4G	-50.50	2.51086G	-46.71	16.75112G	-46.35	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44693G	4.54	-25.46	2.07955G	-52.32	2.39984G	-38.51	2.4G	-36.57	2.51102G	-50.39	16.44608G	-46.15	1
2422MHz	Pass	2.44693G	4.54	-25.46	949.44M	-52.01	2.4G	-37.59	2.4G	-37.07	2.5171G	-50.40	17.16125G	-46.04	2
2422MHz	Pass	2.44693G	4.54	-25.46	2.14367G	-52.03	2.4G	-37.30	2.4G	-36.68	2.50798G	-50.50	6.99751G	-45.83	3
2422MHz	Pass	2.44693G	4.54	-25.46	940.28M	-52.04	2.39984G	-37.47	2.4G	-33.88	2.52158G	-50.94	16.65643G	-46.11	4
2437MHz	Pass	2.44693G	4.54	-25.46	929.97M	-52.17	2.39952G	-41.47	2.4G	-44.74	2.50206G	-46.70	24.71954G	-45.67	1
2437MHz	Pass	2.44693G	4.54	-25.46	485.71M	-51.82	2.39968G	-38.92	2.4G	-43.96	2.50398G	-48.71	16.84994G	-46.20	2
2437MHz	Pass	2.44693G	4.54	-25.46	581.89M	-51.61	2.39952G	-42.84	2.4G	-45.50	2.5203G	-48.43	16.76861G	-45.80	3
2437MHz	Pass	2.44693G	4.54	-25.46	1.84826G	-52.11	2.39952G	-41.96	2.4G	-44.56	2.50398G	-48.05	24.39421G	-46.16	4
2452MHz	Pass	2.44693G	4.54	-25.46	2.30855G	-51.67	2.39952G	-34.66	2.4G	-37.98	2.50942G	-41.19	16.40963G	-46.69	1
2452MHz	Pass	2.44693G	4.54	-25.46	786.85M	-52.46	2.39584G	-37.14	2.4G	-38.44	2.50942G	-42.07	16.8836G	-46.17	2
2452MHz	Pass	2.44693G	4.54	-25.46	2.30283G	-52.66	2.39952G	-34.16	2.4G	-38.12	2.50814G	-42.97	6.82644G	-46.11	3
2452MHz	Pass	2.44693G	4.54	-25.46	2.3097G	-51.60	2.39952G	-34.53	2.4G	-36.54	2.50958G	-43.30	16.26659G	-46.42	4

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

2412MHz

CSENdB

26/12/2022

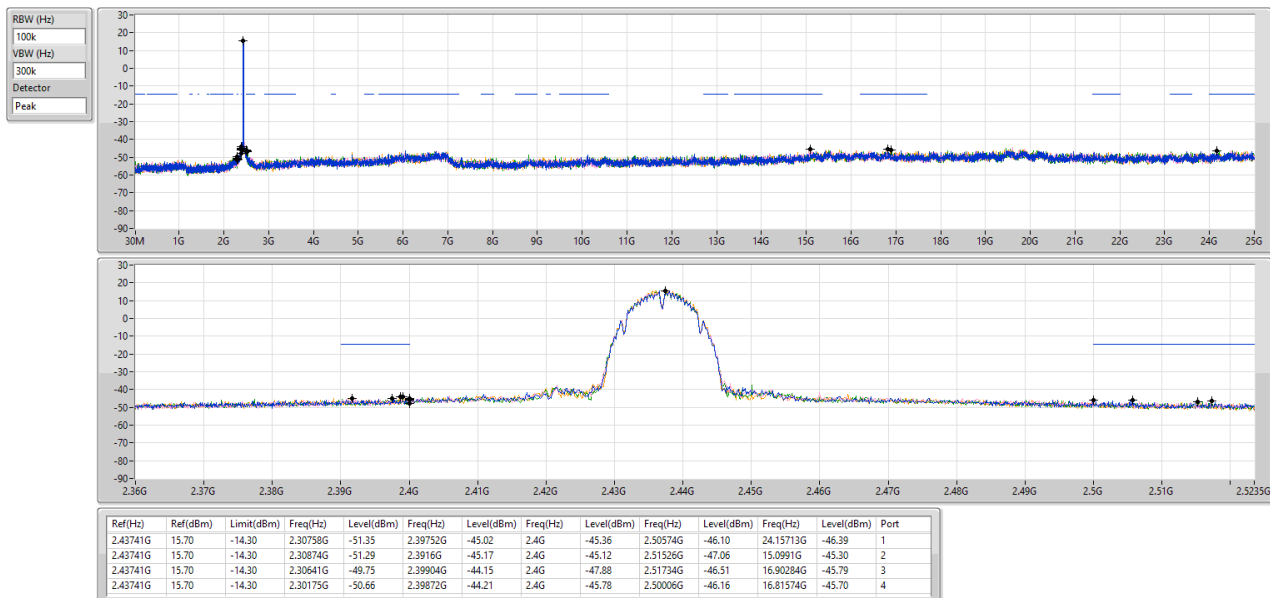


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz

CSENdB

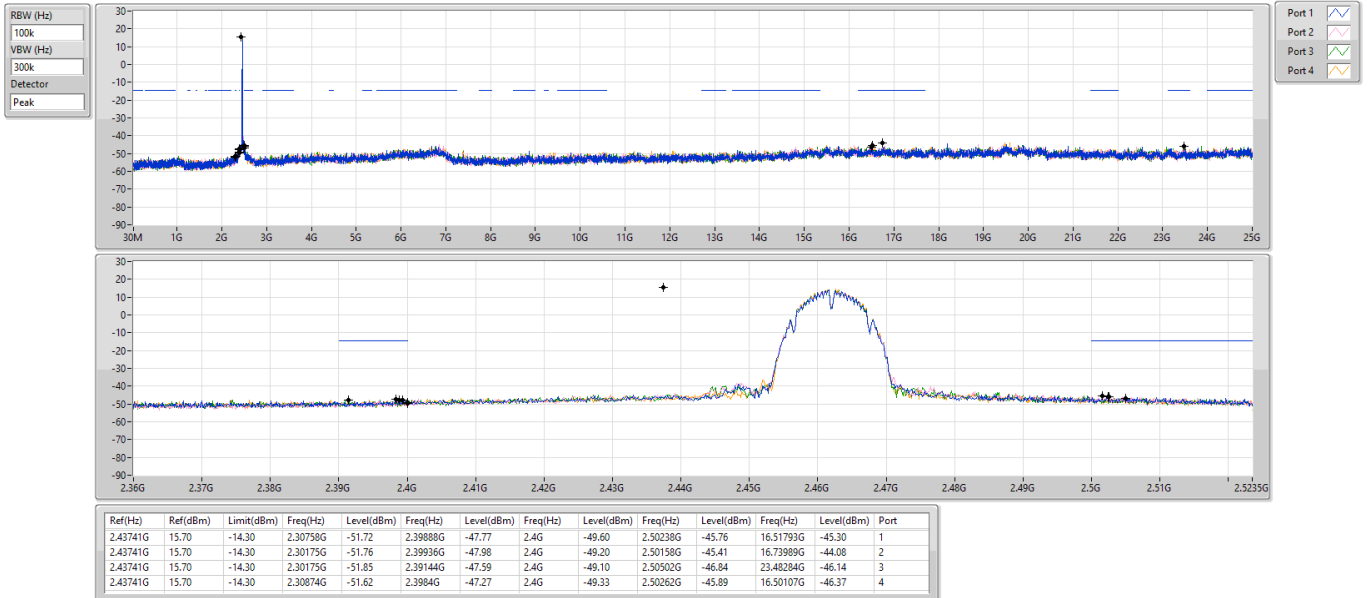
26/12/2022



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

CSEndB

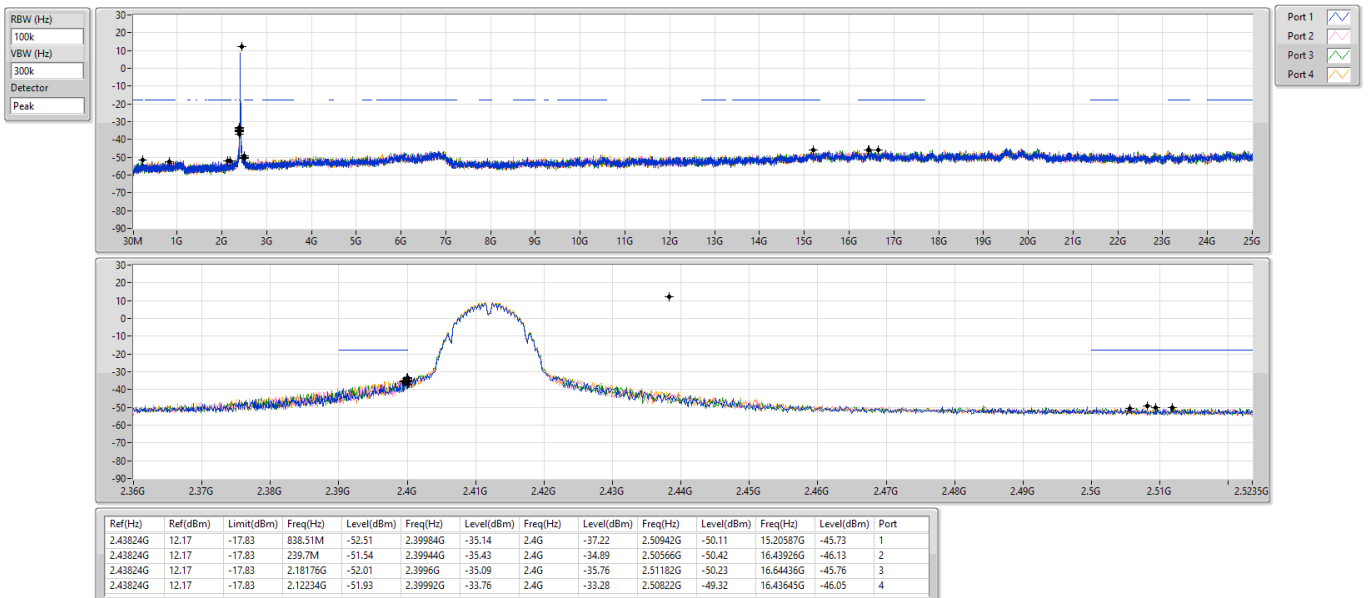
2462MHz



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

CSEndB

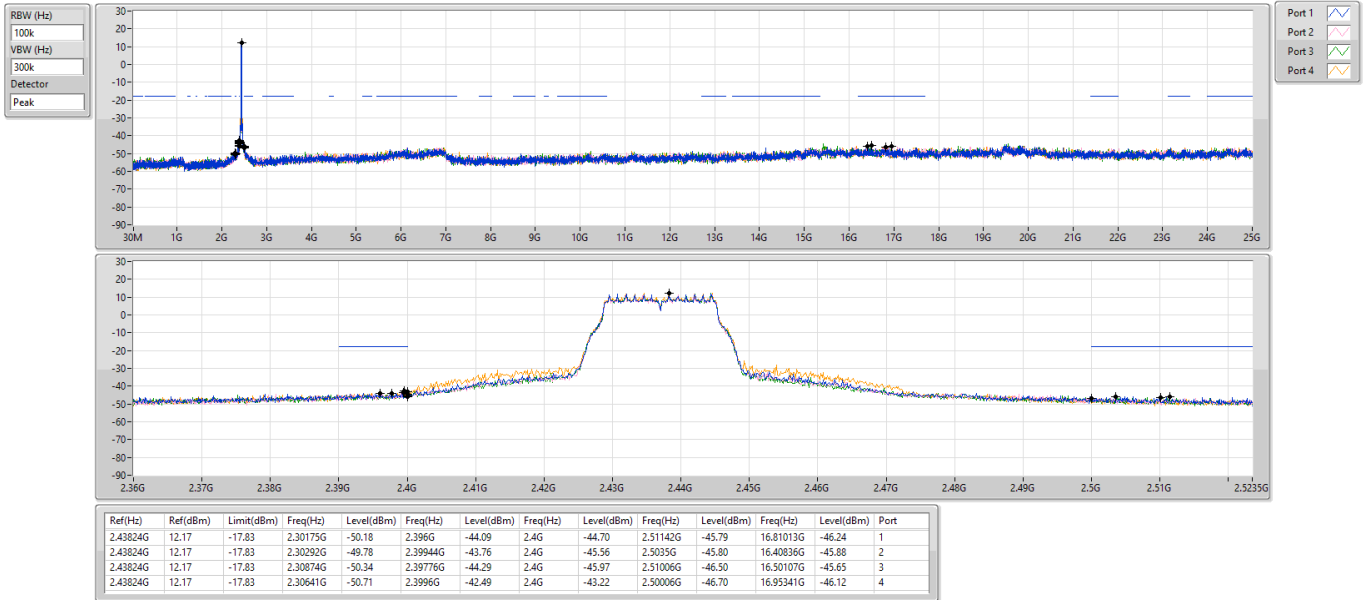
2412MHz



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

CSEndB

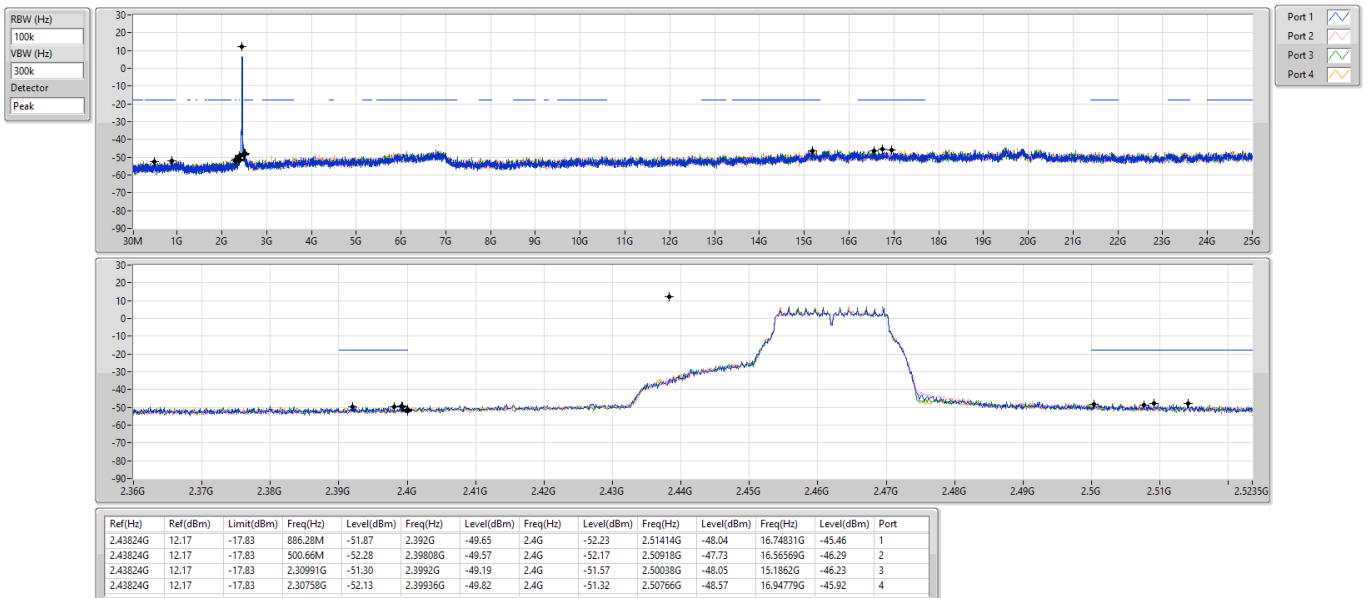
2437MHz



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

CSEndB

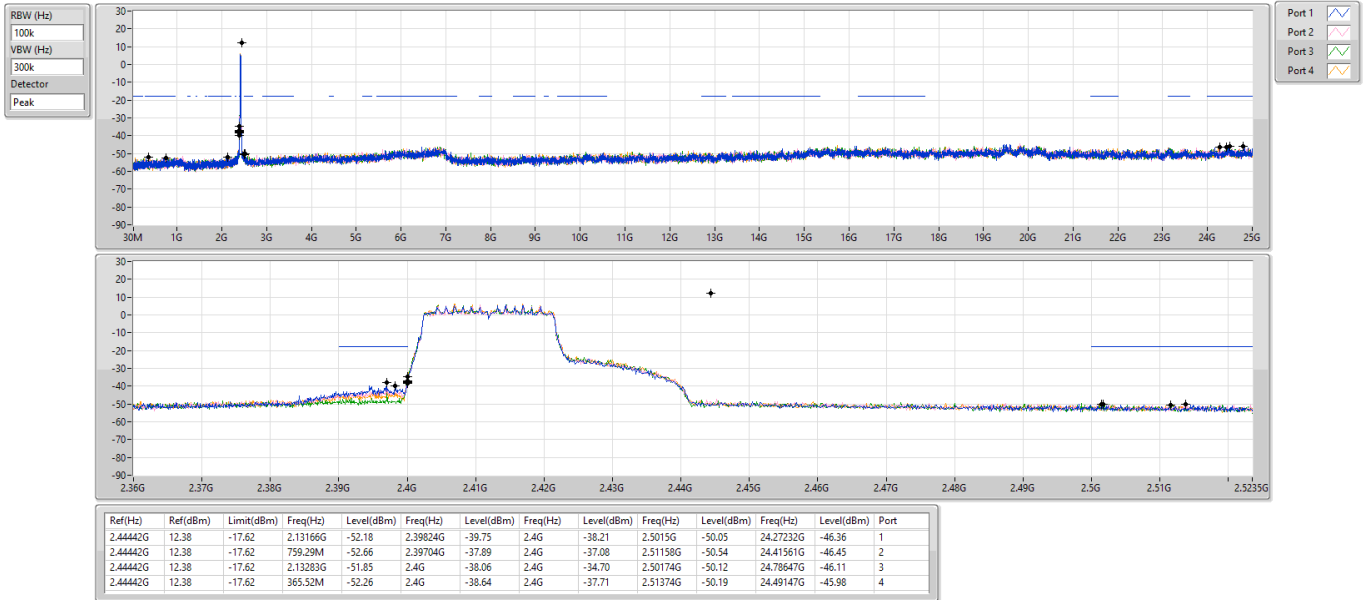
2462MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSEndB

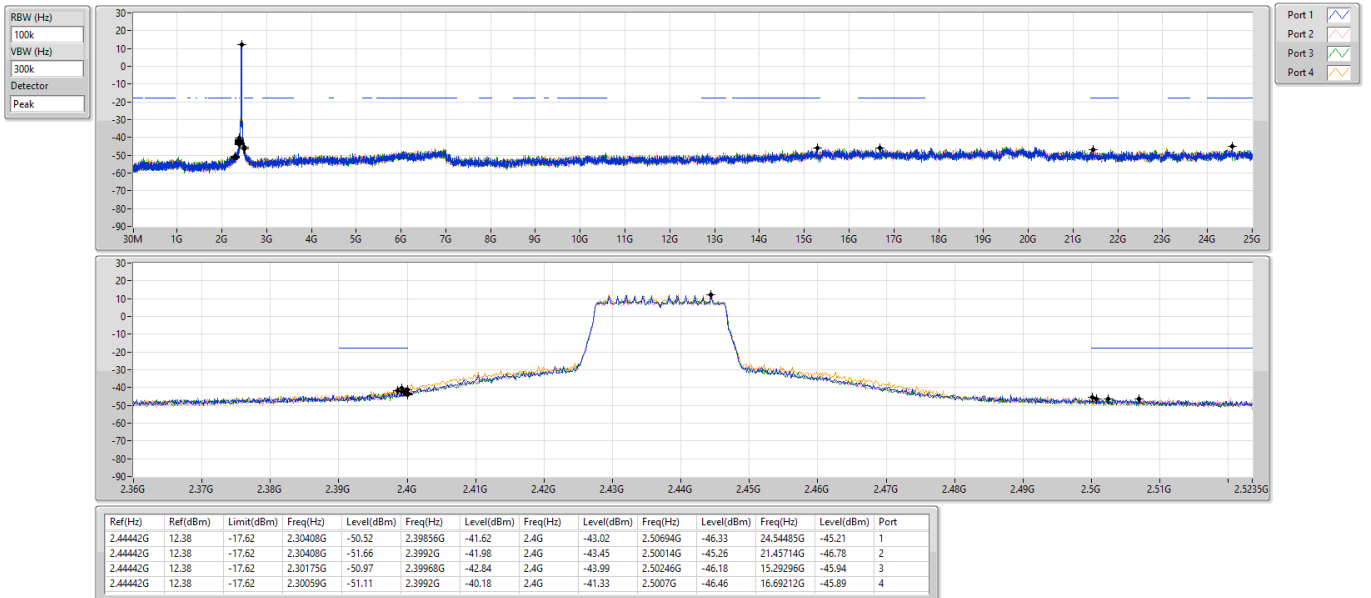
2412MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSEndB

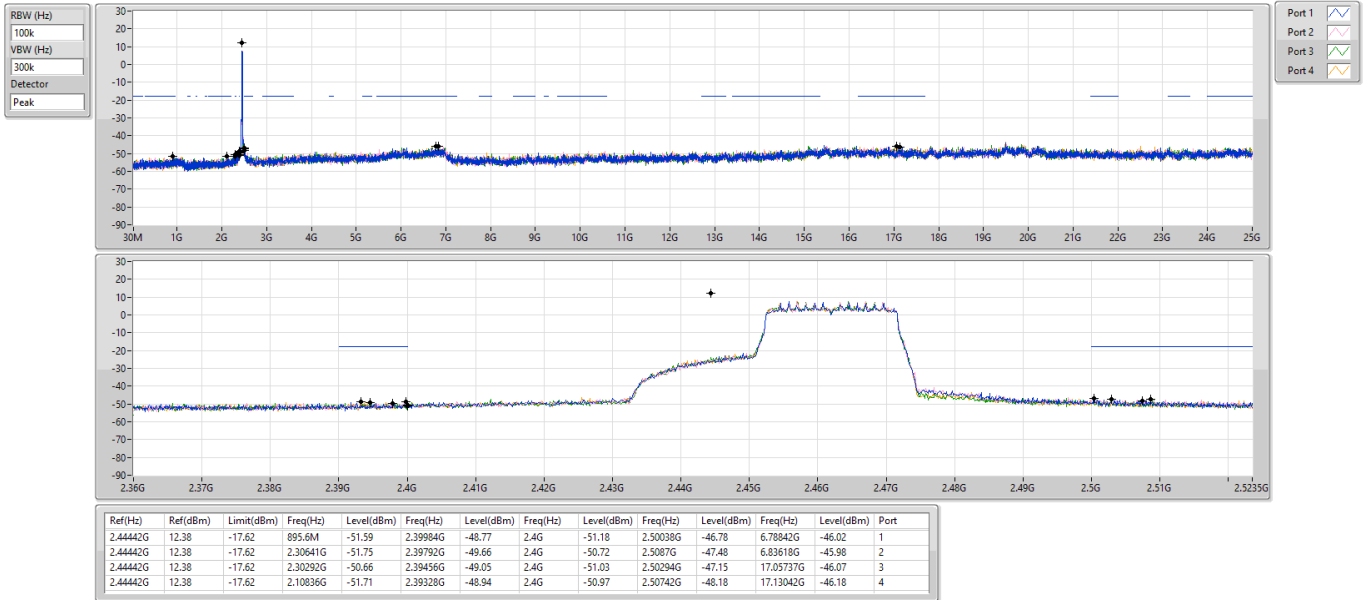
2437MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSEndB

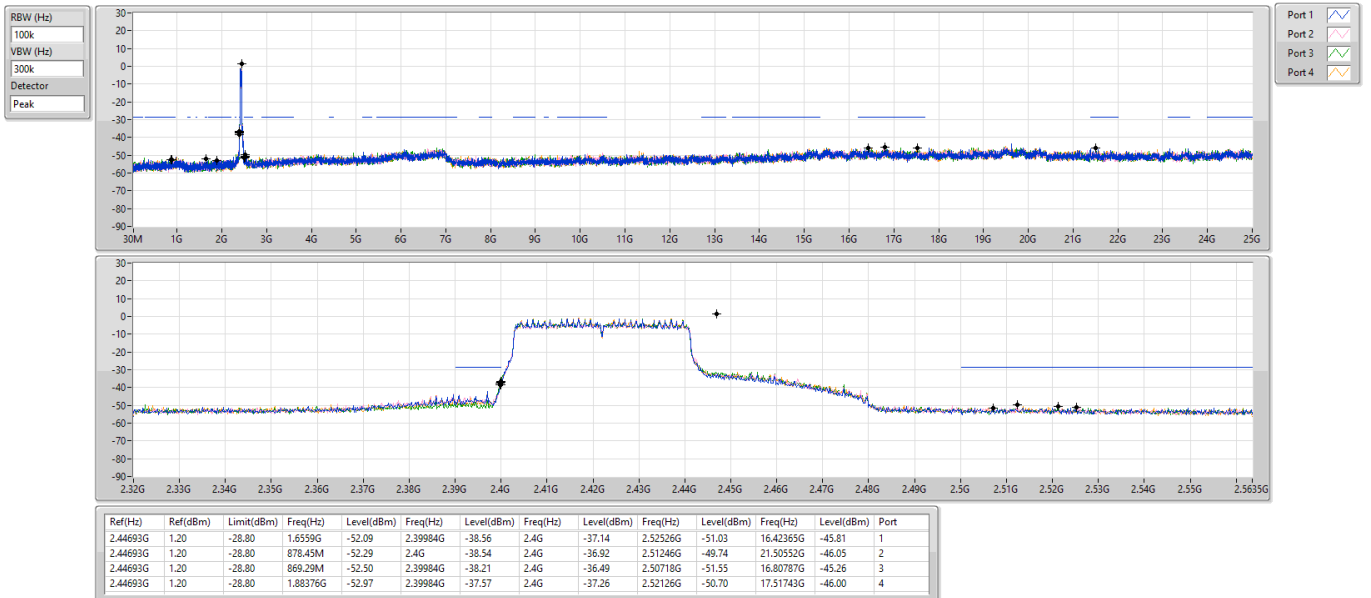
2462MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

CSEndB

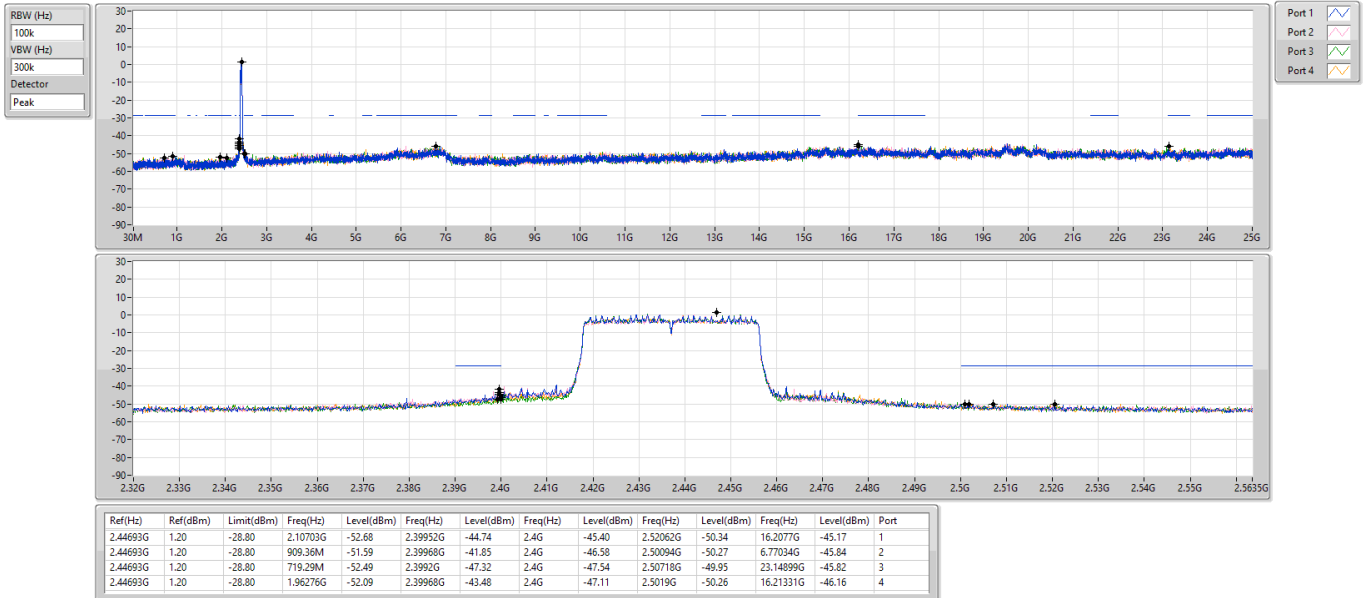
2422MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

CSEndB

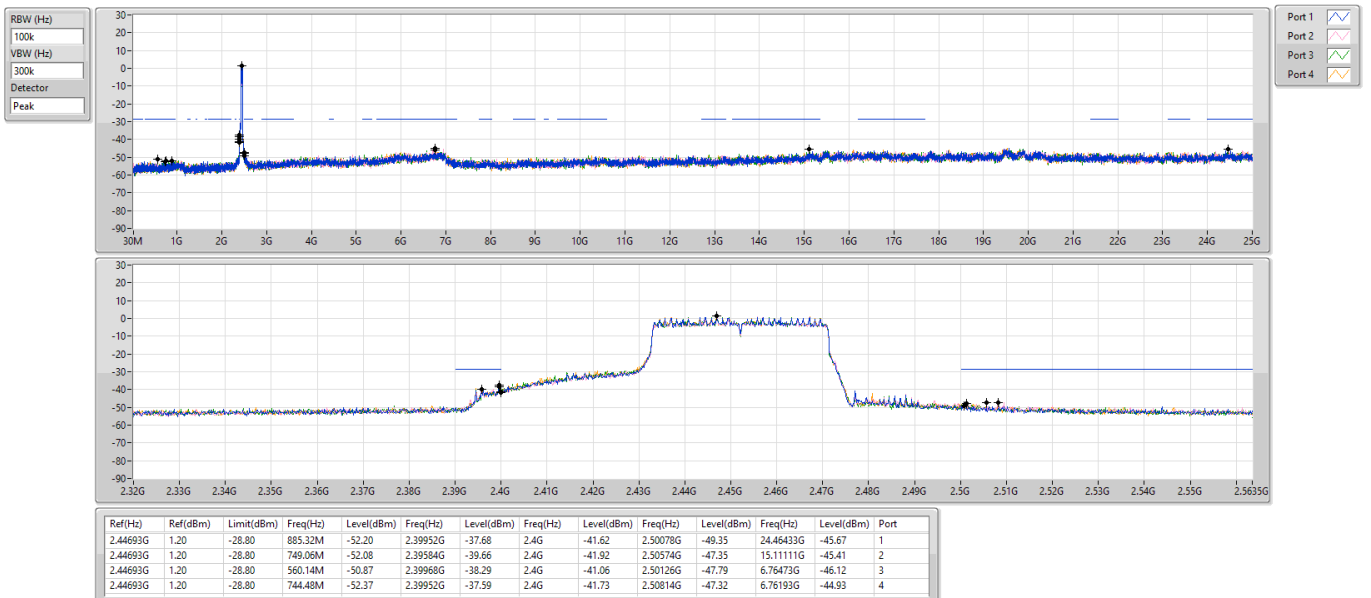
2437MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

CSEndB

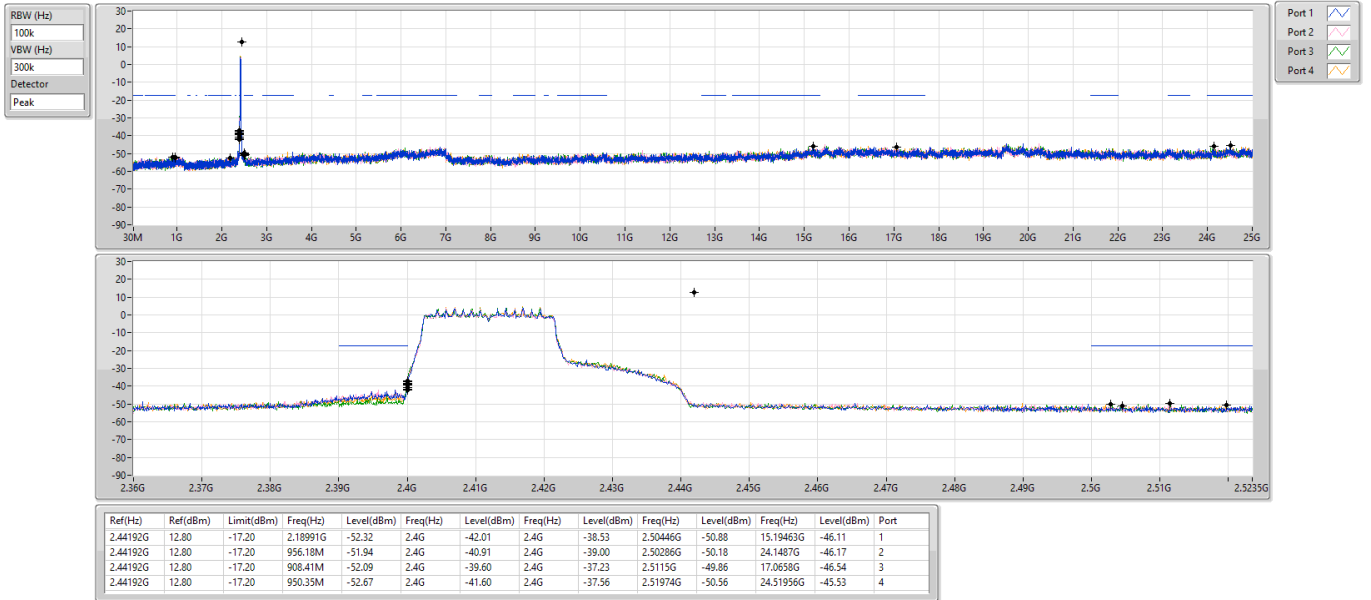
2452MHz



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

CSEndB

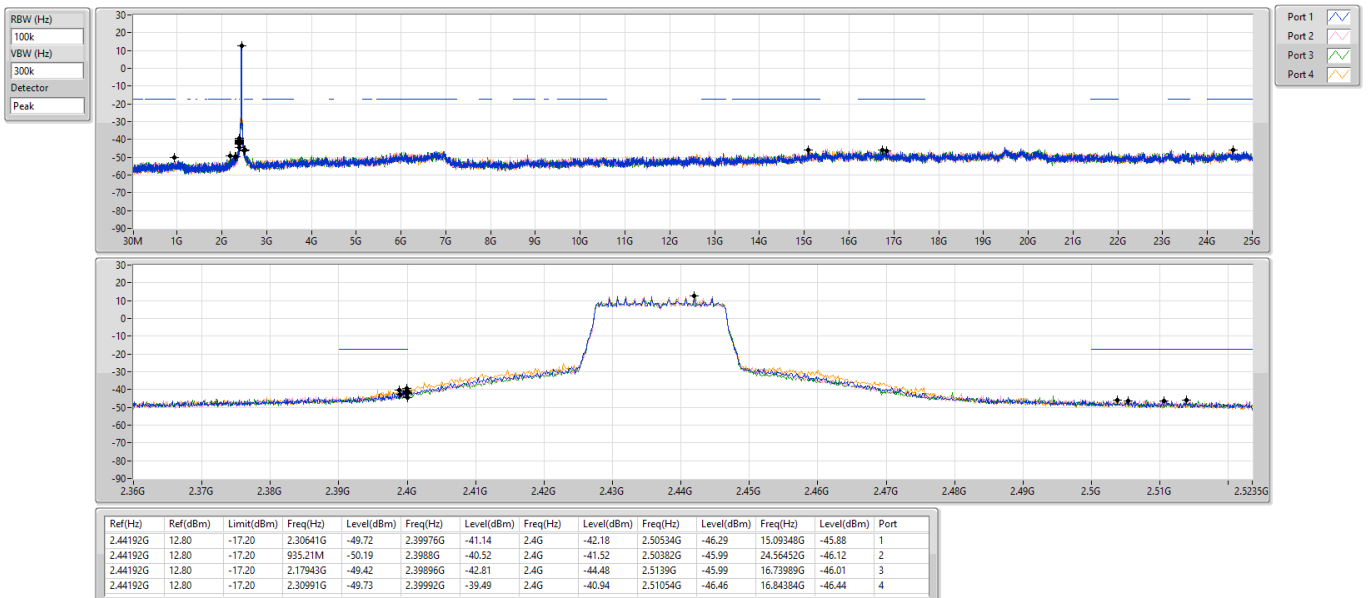
2412MHz



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

CSEndB

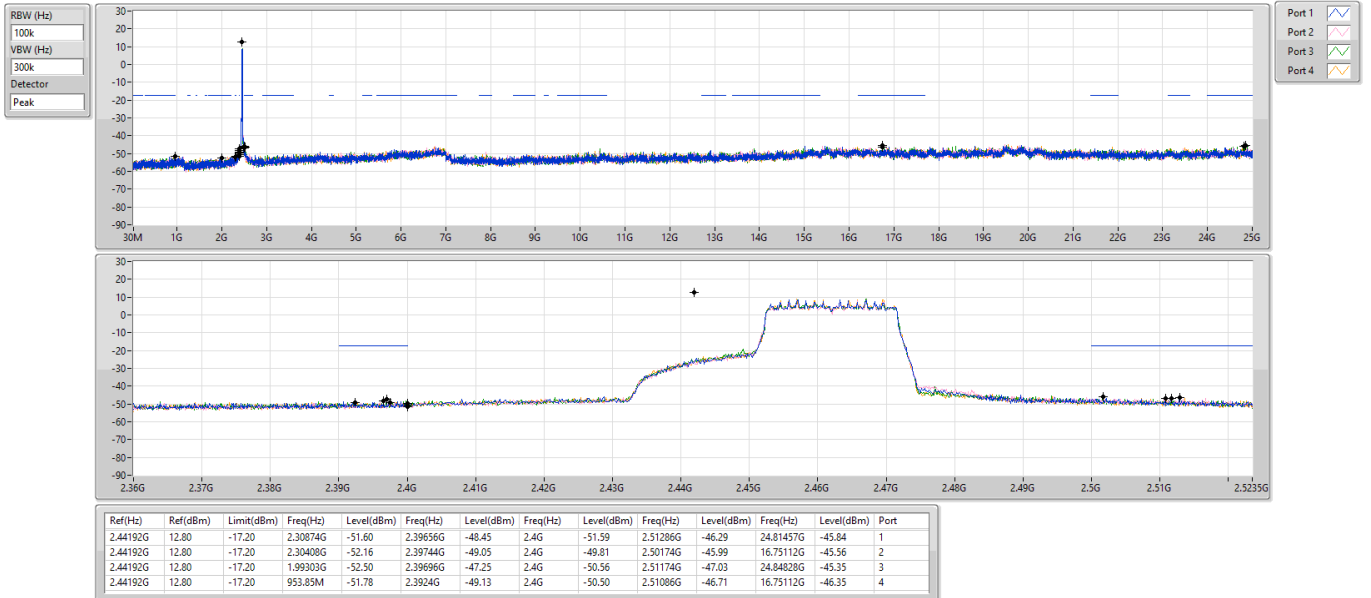
2437MHz



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

CSEndB

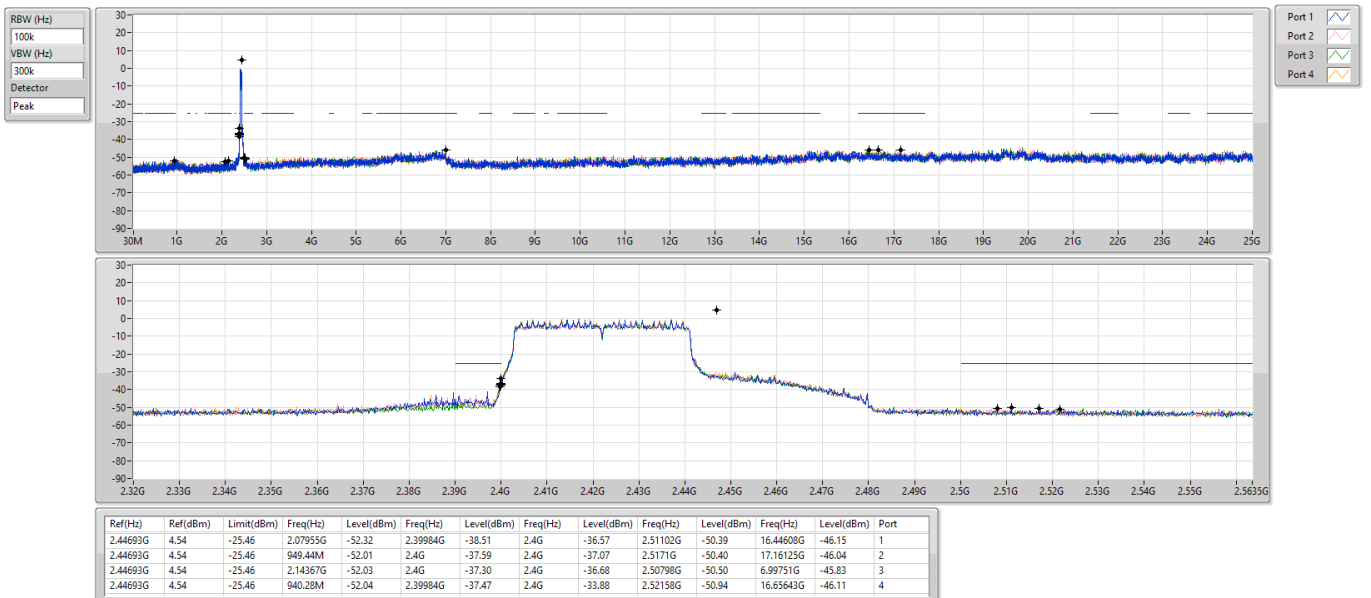
2462MHz



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

CSEndB

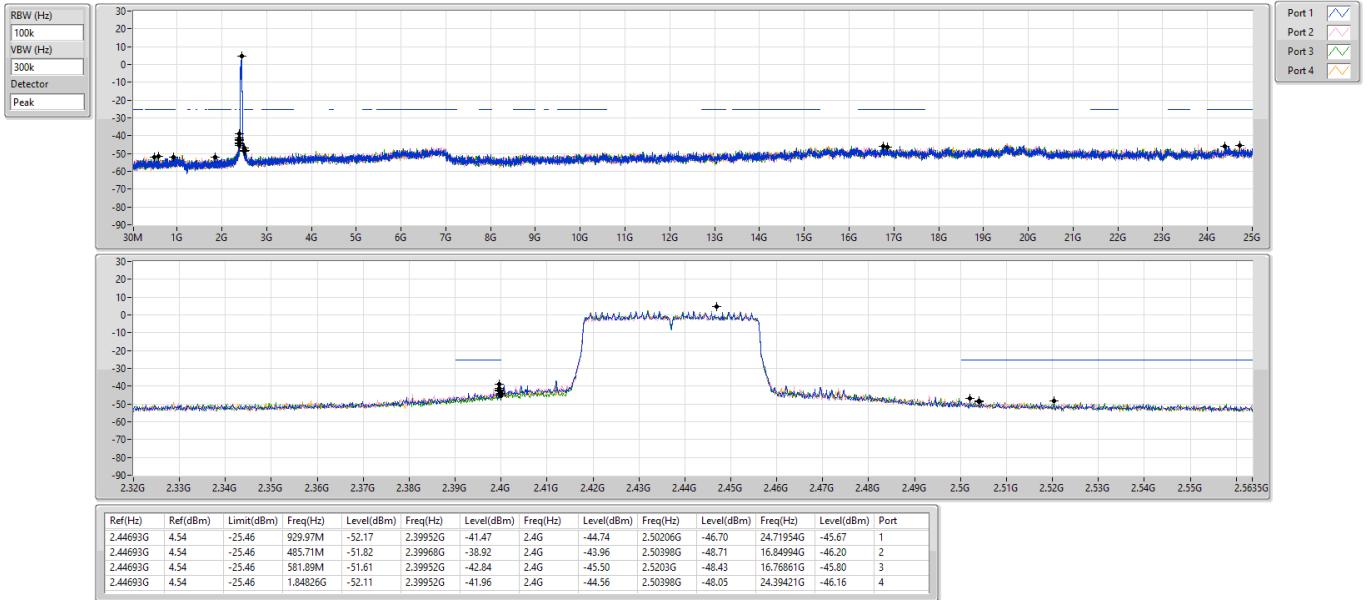
2422MHz



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

CSEndB

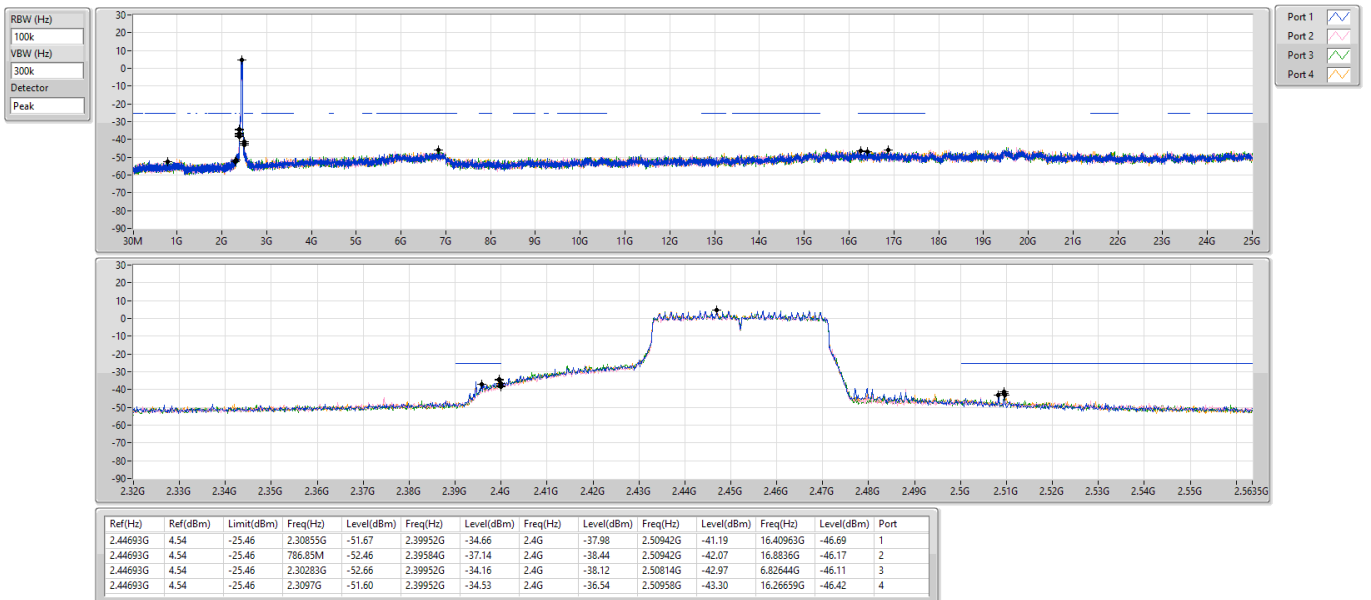
2437MHz



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

CSEndB

2452MHz





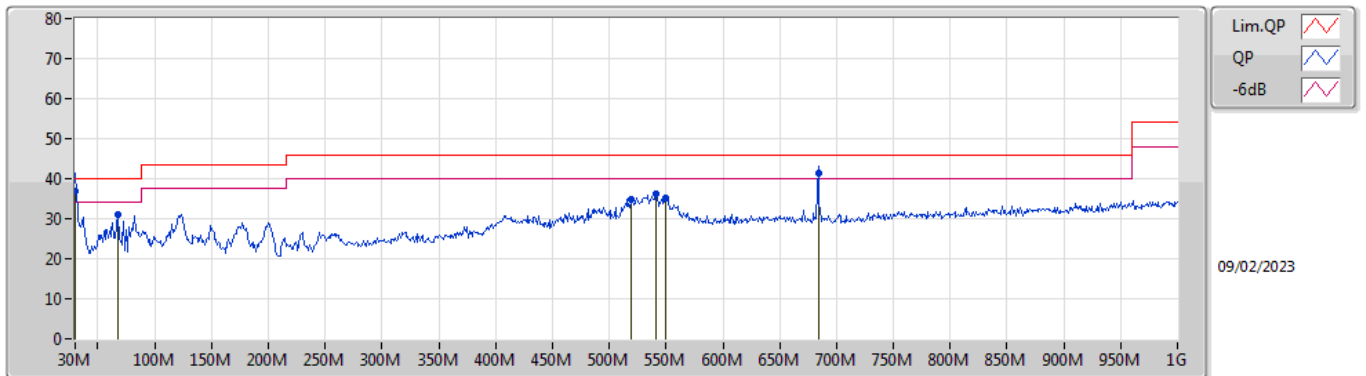
Radiated Emissions below 1GHz

Appendix F.1

Summary

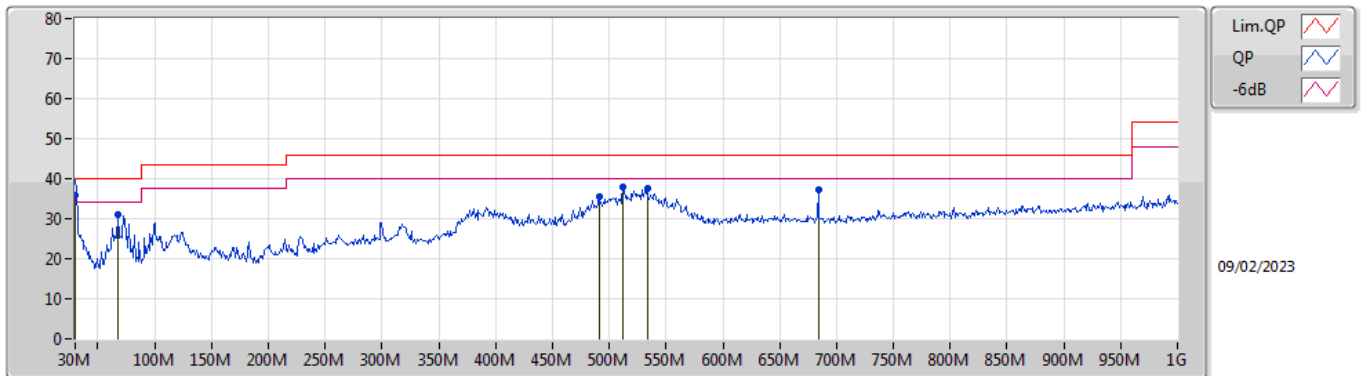
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	30M	36.96	40.00	-3.04	Vertical

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30M	36.96	40.00	-3.04	-2.55	3	Vertical	96	2.00	"Worst"	39.51	25.20	0.74	28.49
PK	67.83M	30.91	40.00	-9.09	-15.17	3	Vertical	3	2.00	-	46.08	12.26	1.08	28.51
PK	519.85M	34.90	46.00	-11.10	-3.00	3	Vertical	154	1.00	-	37.90	23.32	3.03	29.35
PK	541.19M	36.07	46.00	-9.93	-1.85	3	Vertical	185	1.00	-	37.92	24.40	3.11	29.36
PK	549.92M	35.33	46.00	-10.67	-1.35	3	Vertical	174	1.00	-	36.68	24.88	3.14	29.37
QP	683.78M	41.22	46.00	-4.78	-0.98	3	Vertical	0	1.00	-	42.20	24.96	3.43	29.37

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30M	36.02	40.00	-3.98	-2.55	3	Horizontal	117	2.00	"Worst"	38.57	25.20	0.74	28.49
PK	67.83M	31.07	40.00	-8.93	-15.17	3	Horizontal	154	2.00	-	46.24	12.26	1.08	28.51
PK	490.75M	35.46	46.00	-10.54	-3.16	3	Horizontal	142	1.00	-	38.62	23.18	2.93	29.27
PK	512.09M	38.00	46.00	-8.00	-3.06	3	Horizontal	133	1.00	-	41.06	23.29	3.00	29.35
PK	533.43M	37.70	46.00	-8.30	-2.56	3	Horizontal	260	1.00	-	40.26	23.72	3.08	29.36
PK	683.78M	37.37	46.00	-8.63	-0.98	3	Horizontal	283	1.00	-	38.35	24.96	3.43	29.37

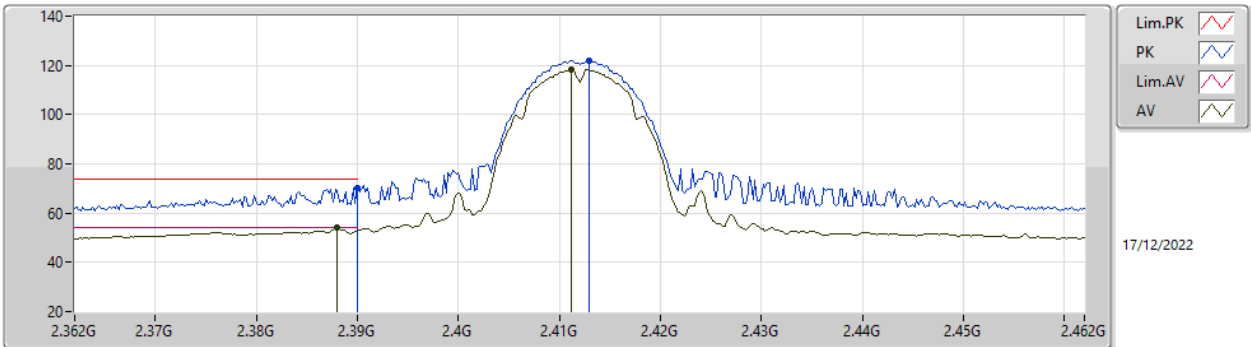


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	2.3898G	53.98	54.00	-0.02	3	Vertical	347	2.23	-

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

2412MHz_TX

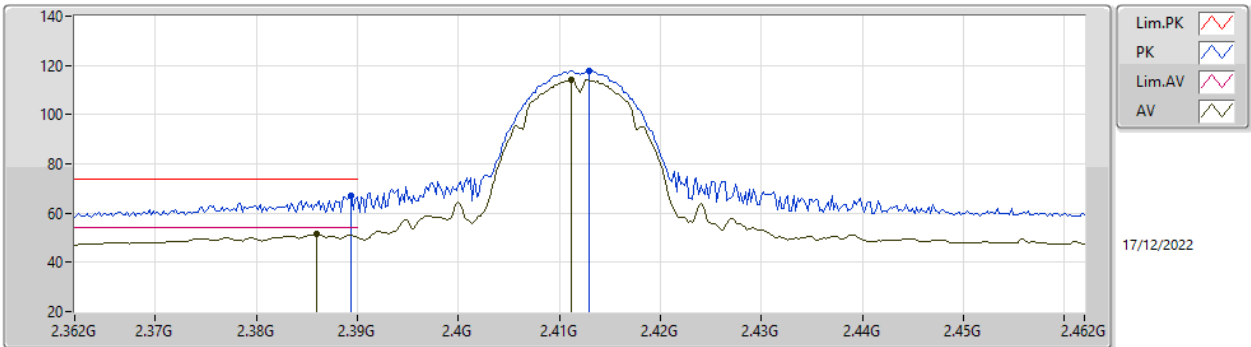


EUT Y_4TX
Setting 06
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	70.43	74.00	-3.57	39.59	3	Vertical	340	1.46	-	27.64	3.20	-
AV	2.388G	53.88	54.00	-0.12	23.06	3	Vertical	340	1.46	-	27.63	3.19	-
PK	2.413G	122.03	Inf	-Inf	91.12	3	Vertical	340	1.46	-	27.70	3.21	-
AV	2.4112G	118.30	Inf	-Inf	87.39	3	Vertical	340	1.46	-	27.70	3.21	-

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

2412MHz_TX

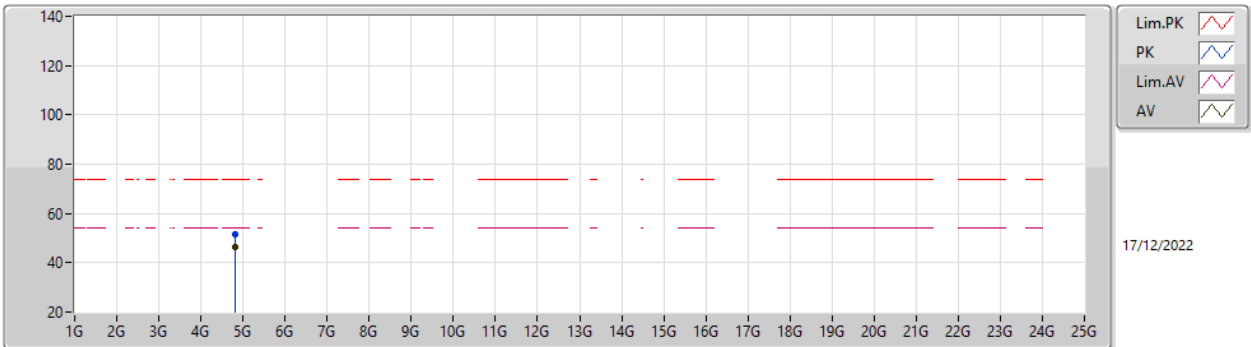


EUT_Y_4TX
Setting 06
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	67.09	74.00	-6.91	36.26	3	Horizontal	29	1.86	-	27.64	3.19	-
AV	2.386G	51.47	54.00	-2.53	20.66	3	Horizontal	29	1.86	-	27.62	3.19	-
PK	2.413G	117.98	Inf	-Inf	87.07	3	Horizontal	29	1.86	-	27.70	3.21	-
AV	2.4112G	114.14	Inf	-Inf	83.23	3	Horizontal	29	1.86	-	27.70	3.21	-

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

2412MHz_TX

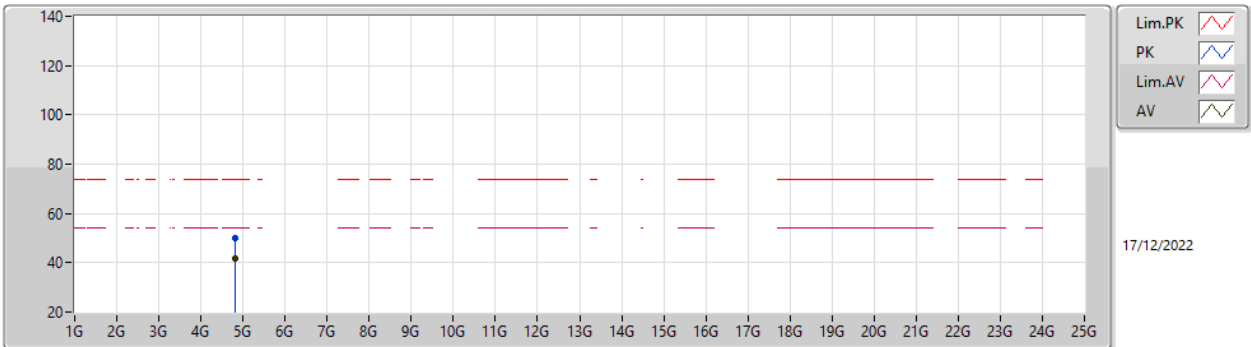


EUT Y_4TX
Setting 86
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82392G	51.79	74.00	-22.21	46.49	3	Vertical	164	2.07	-	32.65	5.30	32.65
AV	4.82398G	46.19	54.00	-7.81	40.89	3	Vertical	164	2.07	-	32.65	5.30	32.65

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

2412MHz_TX

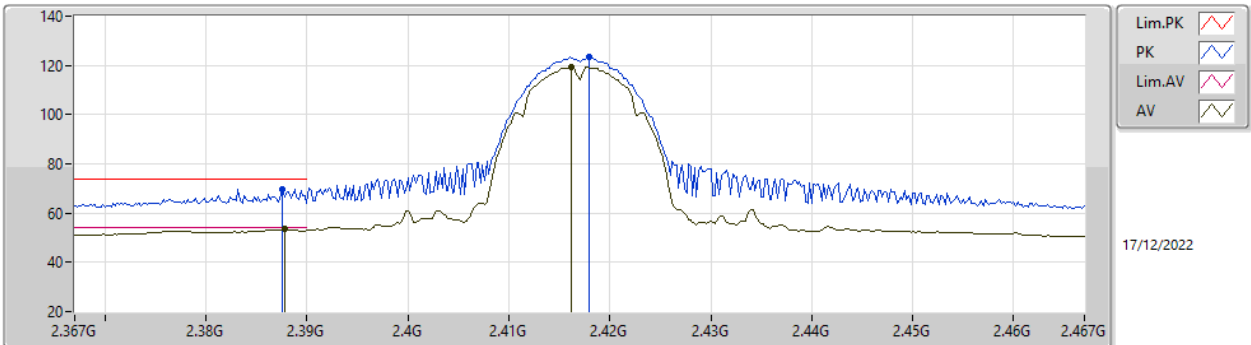


EUT Y_4TX
Setting 86
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82386G	49.97	74.00	-24.03	44.67	3	Horizontal	335	1.80	-	32.65	5.30	32.65
AV	4.82402G	41.54	54.00	-12.46	36.24	3	Horizontal	335	1.80	-	32.65	5.30	32.65

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

2417MHz_TX

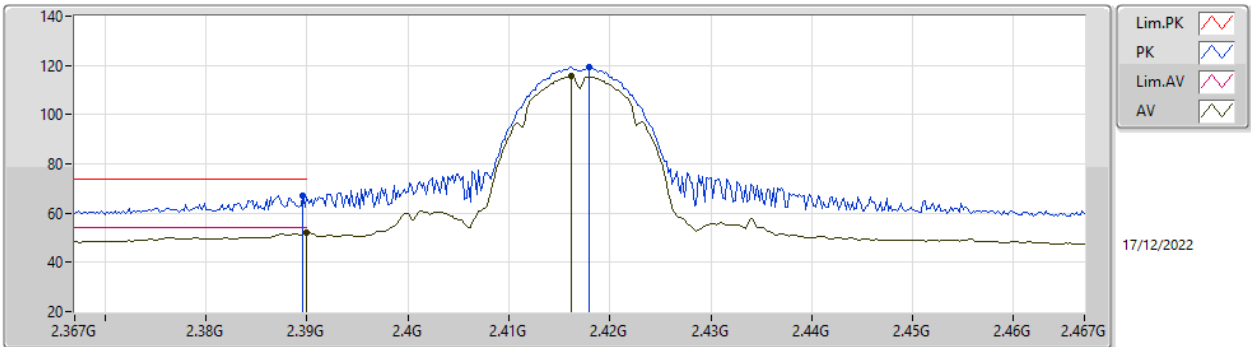


EUT Y_4TX
Setting 91
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3876G	69.76	74.00	-4.24	38.94	3	Vertical	340	1.52	-	27.63	3.19	-
AV	2.3878G	53.54	54.00	-0.46	22.72	3	Vertical	340	1.52	-	27.63	3.19	-
PK	2.418G	123.29	Inf	-Inf	92.37	3	Vertical	340	1.52	-	27.70	3.22	-
AV	2.4162G	119.48	Inf	-Inf	88.56	3	Vertical	340	1.52	-	27.70	3.22	-

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

2417MHz_TX

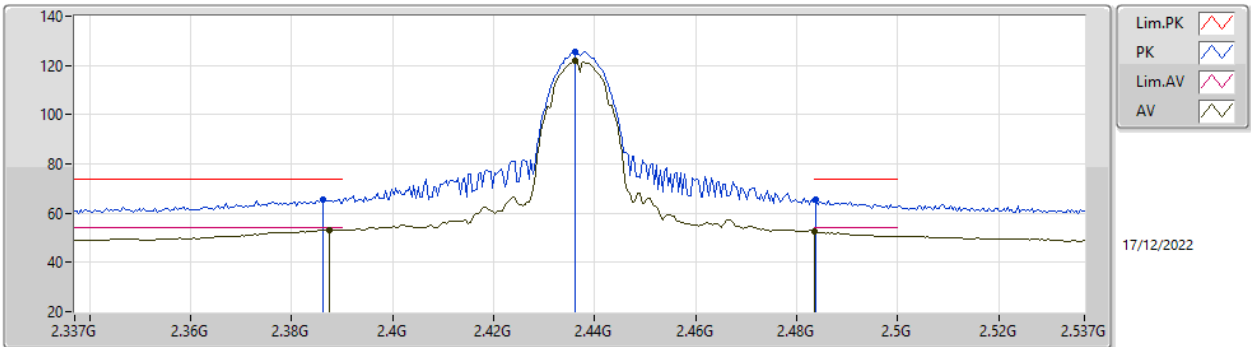


EUT Y_4TX
Setting 91
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	66.99	74.00	-7.01	36.16	3	Horizontal	29	2.29	-	27.64	3.19	-
AV	2.39G	51.85	54.00	-2.15	21.01	3	Horizontal	29	2.29	-	27.64	3.20	-
PK	2.418G	119.29	Inf	-Inf	88.37	3	Horizontal	29	2.29	-	27.70	3.22	-
AV	2.4162G	115.58	Inf	-Inf	84.66	3	Horizontal	29	2.29	-	27.70	3.22	-

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

2437MHz_TX

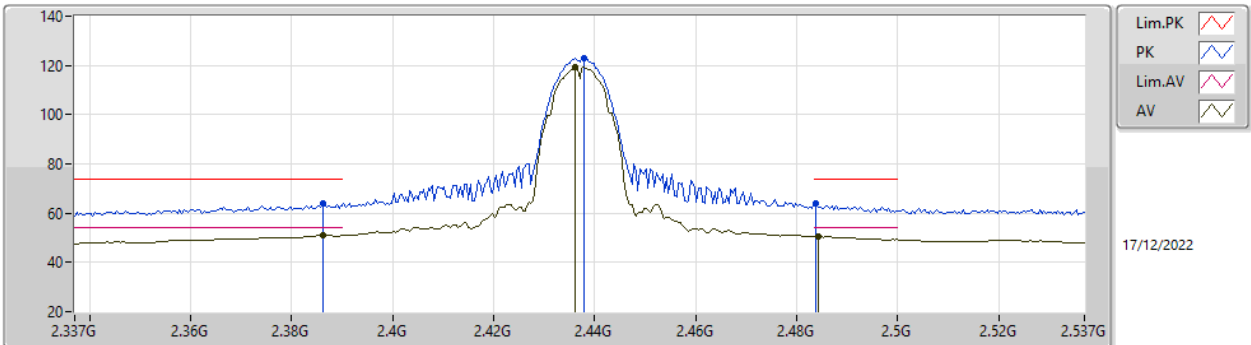


EUT Y_4TX
Setting 100
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	65.42	74.00	-8.58	34.61	3	Vertical	8	1.87	-	27.62	3.19	-
AV	2.3874G	53.18	54.00	-0.82	22.37	3	Vertical	8	1.87	-	27.62	3.19	-
PK	2.4362G	125.48	Inf	-Inf	94.54	3	Vertical	8	1.87	-	27.70	3.24	-
AV	2.4362G	121.67	Inf	-Inf	90.73	3	Vertical	8	1.87	-	27.70	3.24	-
PK	2.4838G	65.60	74.00	-8.40	34.48	3	Vertical	8	1.87	-	27.84	3.28	-
AV	2.4835G	52.83	54.00	-1.17	21.72	3	Vertical	8	1.87	-	27.83	3.28	-

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

2437MHz_TX

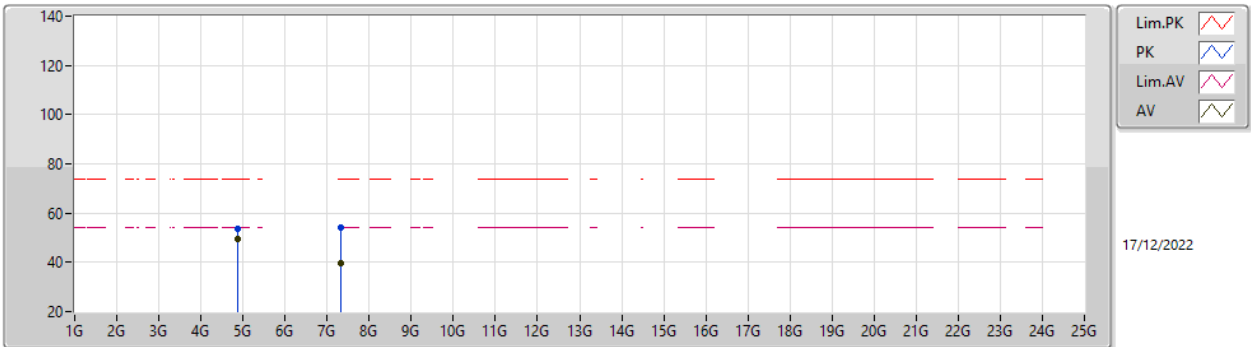


EUT Y_4TX
Setting 100
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	63.75	74.00	-10.25	32.94	3	Horizontal	203	1.90	-	27.62	3.19	-
AV	2.3862G	51.10	54.00	-2.90	20.29	3	Horizontal	203	1.90	-	27.62	3.19	-
PK	2.4378G	123.07	Inf	-Inf	92.13	3	Horizontal	203	1.90	-	27.70	3.24	-
AV	2.4362G	119.13	Inf	-Inf	88.19	3	Horizontal	203	1.90	-	27.70	3.24	-
PK	2.4838G	64.06	74.00	-9.94	32.94	3	Horizontal	203	1.90	-	27.84	3.28	-
AV	2.4842G	50.57	54.00	-3.43	19.45	3	Horizontal	203	1.90	-	27.84	3.28	-

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

2437MHz_TX

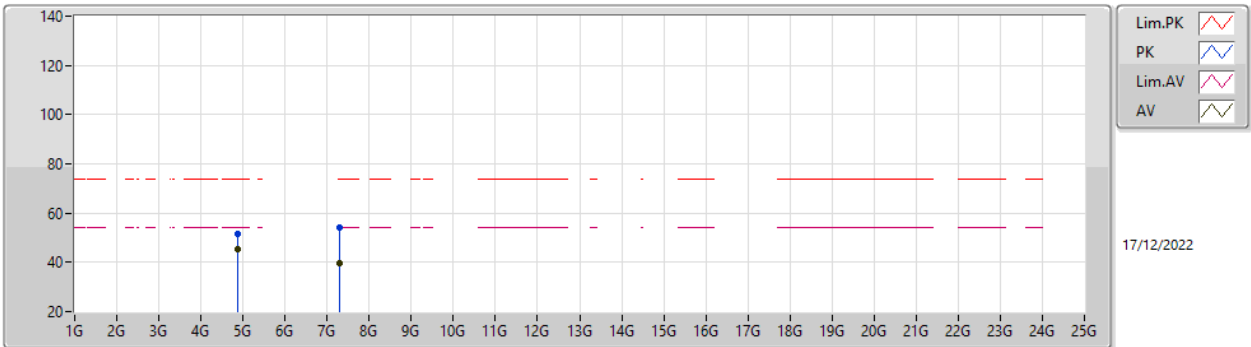


EUT Y_4TX
Setting 100
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87398G	53.72	74.00	-20.28	48.30	3	Vertical	159	2.15	-	32.75	5.30	32.63
AV	4.87402G	49.31	54.00	-4.69	43.89	3	Vertical	159	2.15	-	32.75	5.30	32.63
PK	7.31204G	53.94	74.00	-20.06	42.55	3	Vertical	152	1.55	-	37.70	6.91	33.22
AV	7.31134G	39.56	54.00	-14.44	28.17	3	Vertical	152	1.55	-	37.70	6.91	33.22

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

2437MHz_TX

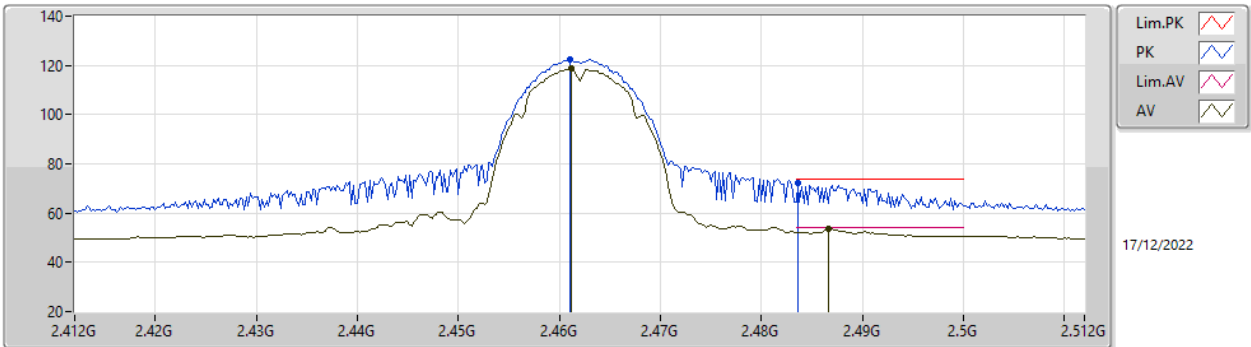


EUT Y_4TX
Setting 100
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87404G	51.39	74.00	-22.61	45.97	3	Horizontal	335	2.16	-	32.75	5.30	32.63
AV	4.874G	45.60	54.00	-8.40	40.18	3	Horizontal	335	2.16	-	32.75	5.30	32.63
PK	7.30606G	54.02	74.00	-19.98	42.62	3	Horizontal	267	1.39	-	37.70	6.91	33.21
AV	7.3085G	39.65	54.00	-14.35	28.25	3	Horizontal	267	1.39	-	37.70	6.91	33.21

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

2462MHz_TX

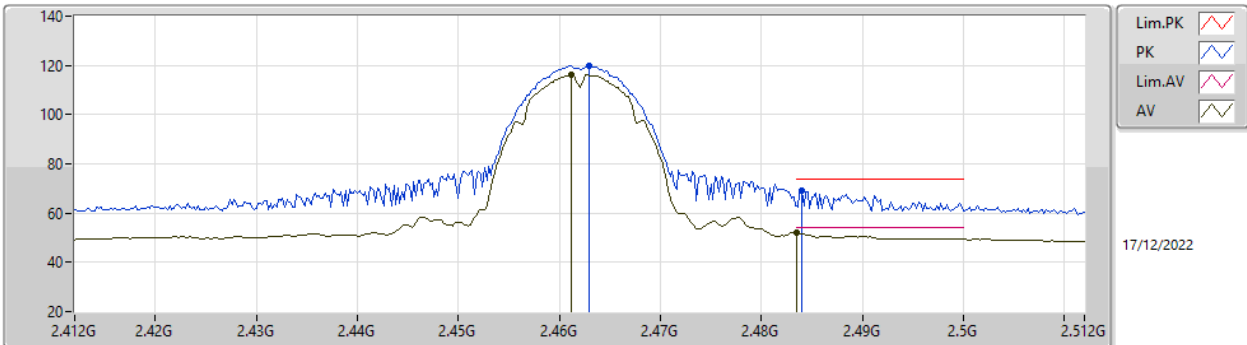


EUT Y_4TX
Setting 89
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	122.46	Inf	-Inf	91.46	3	Vertical	9	1.75	-	27.74	3.26	-
AV	2.4612G	118.77	Inf	-Inf	87.77	3	Vertical	9	1.75	-	27.74	3.26	-
PK	2.4836G	72.14	74.00	-1.86	41.03	3	Vertical	9	1.75	-	27.83	3.28	-
AV	2.4866G	53.76	54.00	-0.24	22.62	3	Vertical	9	1.75	-	27.85	3.29	-

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

2462MHz_TX

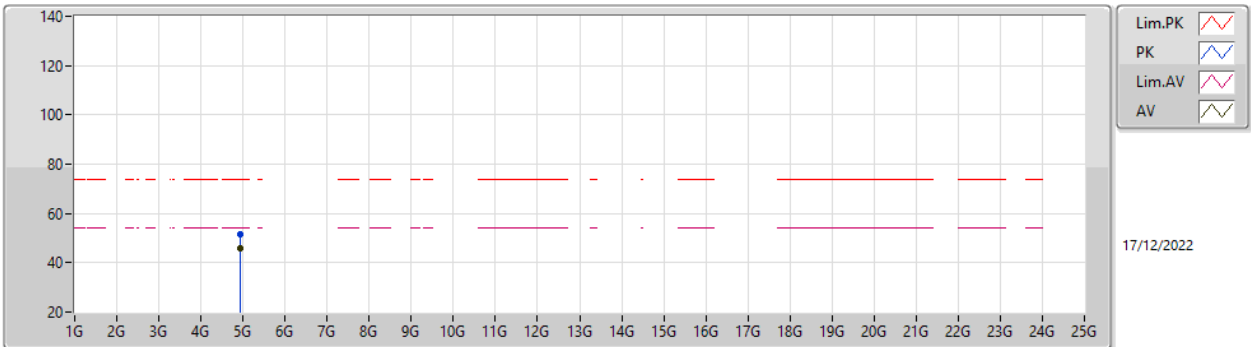


EUT_Y_4TX
Setting 89
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	120.04	Inf	-Inf	89.03	3	Horizontal	205	2.10	-	27.75	3.26	-
AV	2.4612G	116.22	Inf	-Inf	85.22	3	Horizontal	205	2.10	-	27.74	3.26	-
PK	2.484G	69.06	74.00	-4.94	37.94	3	Horizontal	205	2.10	-	27.84	3.28	-
AV	2.4835G	51.99	54.00	-2.01	20.88	3	Horizontal	205	2.10	-	27.83	3.28	-

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

2462MHz_TX

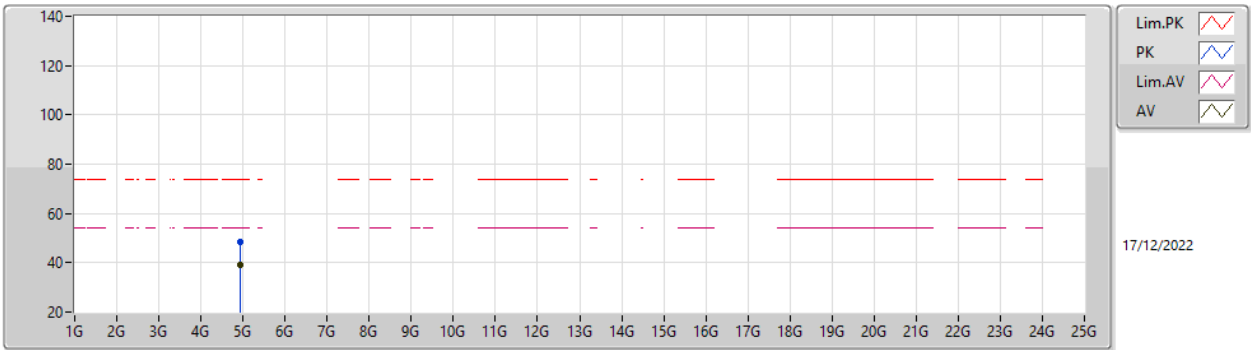


EUT Y_4TX
Setting 89
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92394G	51.37	74.00	-22.63	45.82	3	Vertical	165	1.85	-	32.85	5.30	32.60
AV	4.924G	45.75	54.00	-8.25	40.20	3	Vertical	165	1.85	-	32.85	5.30	32.60

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

2462MHz_TX

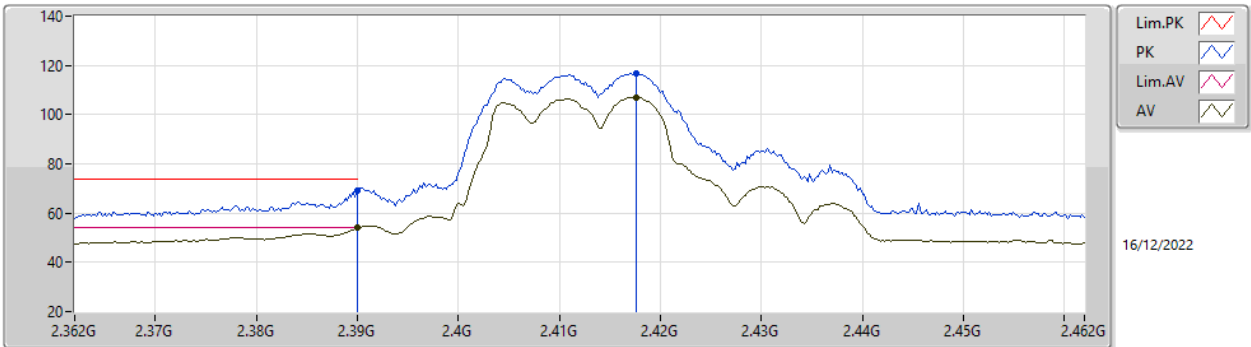


EUT Y_4TX
Setting 89
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92384G	48.47	74.00	-25.53	42.92	3	Horizontal	178	1.80	-	32.85	5.30	32.60
AV	4.92394G	39.36	54.00	-14.64	33.81	3	Horizontal	178	1.80	-	32.85	5.30	32.60

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

2412MHz_TX

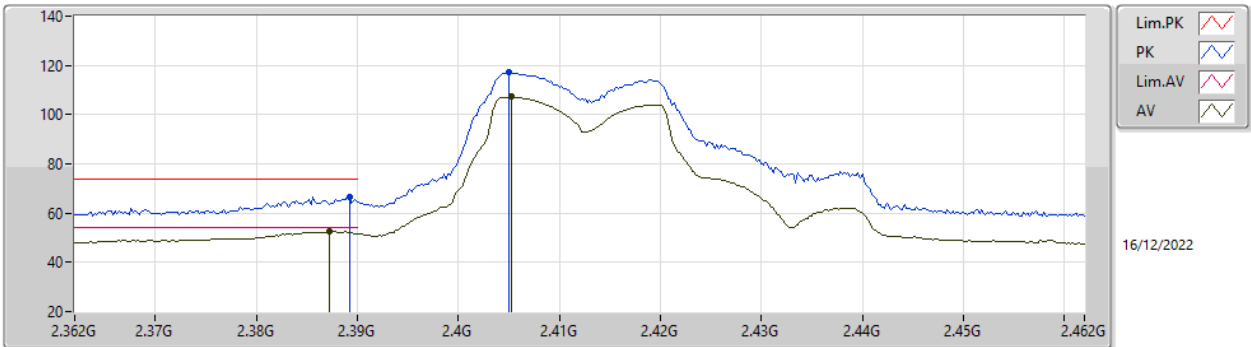


EUT_Y_4TX
Setting 70
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	69.05	74.00	-4.95	38.21	3	Vertical	348	1.80	-	27.64	3.20	-
AV	2.39G	53.92	54.00	-0.08	23.08	3	Vertical	348	1.80	-	27.64	3.20	-
PK	2.4176G	116.72	Inf	-Inf	85.80	3	Vertical	348	1.80	-	27.70	3.22	-
AV	2.4176G	107.08	Inf	-Inf	76.16	3	Vertical	348	1.80	-	27.70	3.22	-

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

2412MHz_TX

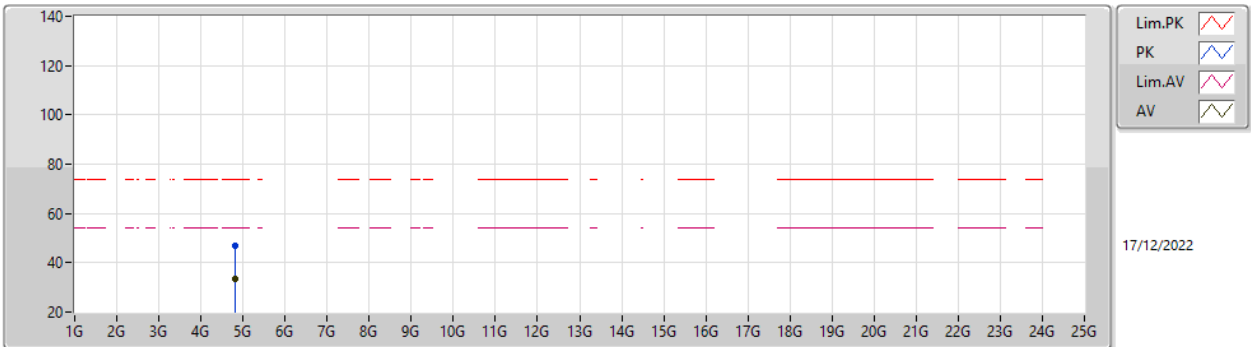


EUT Y_4TX
Setting 70
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	66.46	74.00	-7.54	35.63	3	Horizontal	201	1.89	-	27.64	3.19	-
AV	2.3872G	52.51	54.00	-1.49	21.70	3	Horizontal	201	1.89	-	27.62	3.19	-
PK	2.405G	117.03	Inf	-Inf	86.12	3	Horizontal	201	1.89	-	27.70	3.21	-
AV	2.4052G	107.24	Inf	-Inf	76.33	3	Horizontal	201	1.89	-	27.70	3.21	-

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

2412MHz_TX

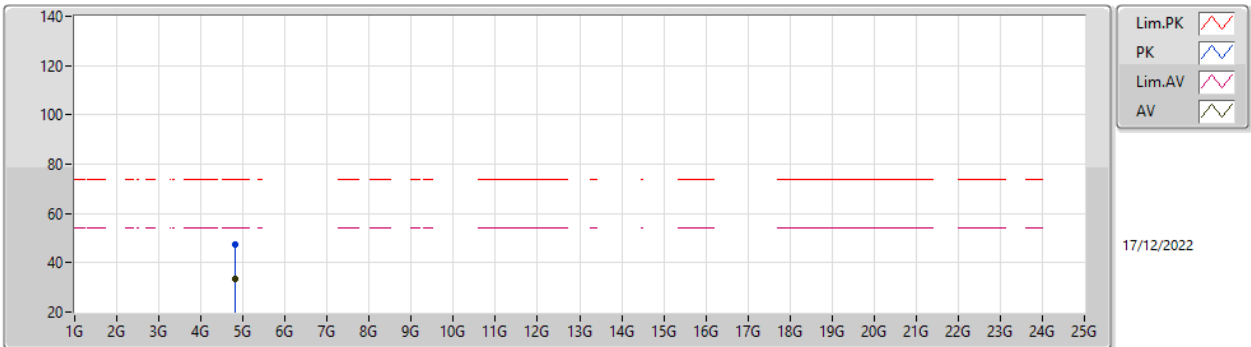


EUT Y_4TX
Setting 70
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82192G	46.81	74.00	-27.19	41.52	3	Vertical	138	2.75	-	32.64	5.30	32.65
AV	4.82274G	33.47	54.00	-20.53	28.17	3	Vertical	138	2.75	-	32.65	5.30	32.65

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

2412MHz_TX

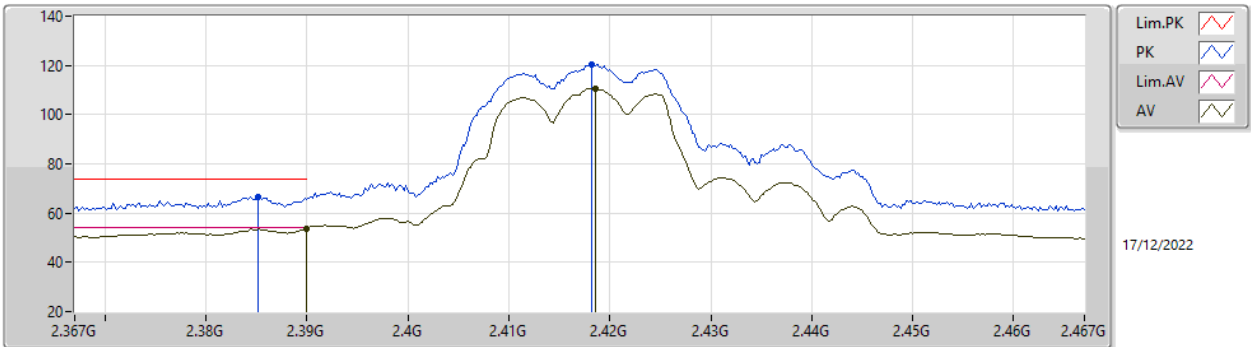


EUT Y_4TX
Setting 70
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81926G	47.31	74.00	-26.69	42.02	3	Horizontal	170	2.10	-	32.64	5.30	32.65
AV	4.82274G	33.58	54.00	-20.42	28.28	3	Horizontal	170	2.10	-	32.65	5.30	32.65

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

2417MHz_TX

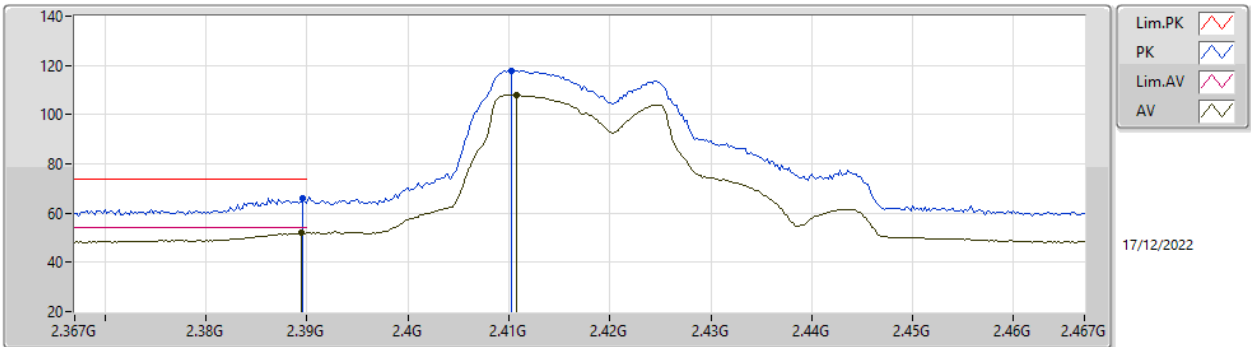


EUT Y_4TX
Setting 85
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	66.74	74.00	-7.26	35.94	3	Vertical	336	1.71	-	27.61	3.19	-
AV	2.39G	53.85	54.00	-0.15	23.01	3	Vertical	336	1.71	-	27.64	3.20	-
PK	2.4182G	120.38	Inf	-Inf	89.46	3	Vertical	336	1.71	-	27.70	3.22	-
AV	2.4186G	110.47	Inf	-Inf	79.55	3	Vertical	336	1.71	-	27.70	3.22	-

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

2417MHz_TX

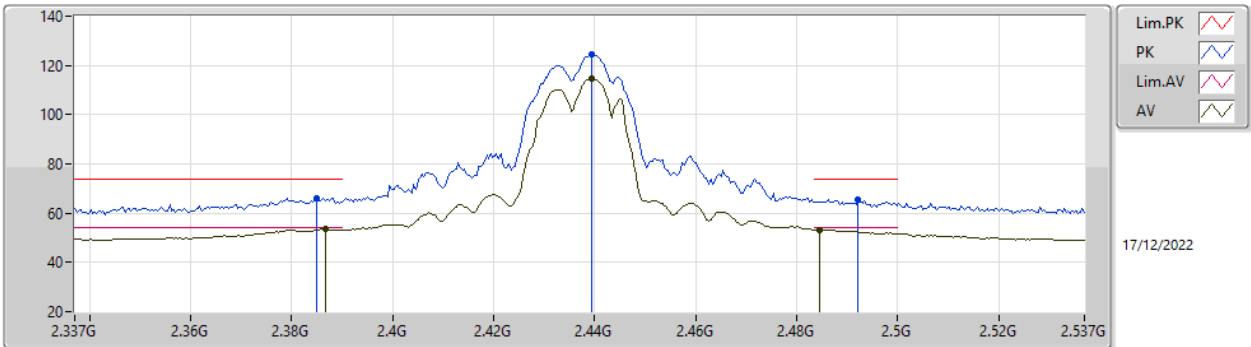


EUT Y_4TX
Setting 85
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	66.18	74.00	-7.82	35.35	3	Horizontal	205	1.74	-	27.64	3.19	-
AV	2.3894G	51.85	54.00	-2.15	21.02	3	Horizontal	205	1.74	-	27.64	3.19	-
PK	2.4102G	117.80	Inf	-Inf	86.89	3	Horizontal	205	1.74	-	27.70	3.21	-
AV	2.4108G	107.91	Inf	-Inf	77.00	3	Horizontal	205	1.74	-	27.70	3.21	-

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

2437MHz_TX

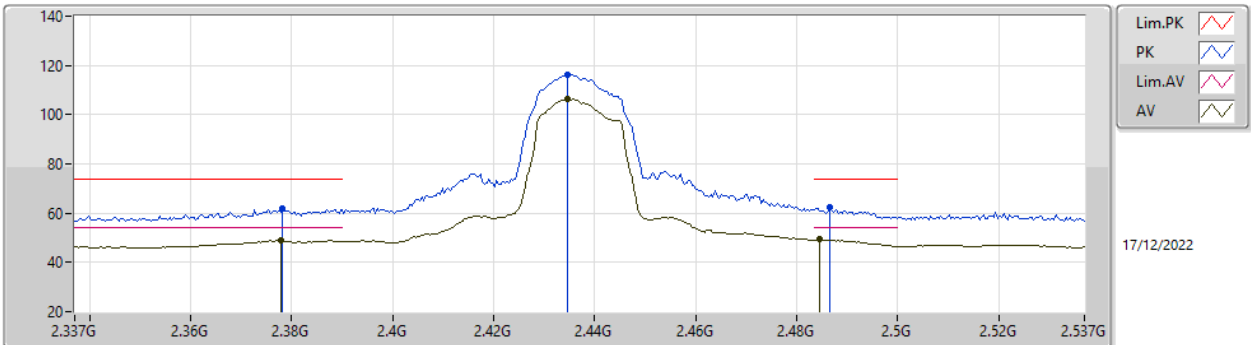


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.385G	66.12	74.00	-7.88	35.32	3	Vertical	0	2.05	-	27.61	3.19	-
AV	2.3866G	53.77	54.00	-0.23	22.96	3	Vertical	0	2.05	-	27.62	3.19	-
PK	2.4394G	124.40	Inf	-Inf	93.46	3	Vertical	0	2.05	-	27.70	3.24	-
AV	2.4394G	114.55	Inf	-Inf	83.61	3	Vertical	0	2.05	-	27.70	3.24	-
PK	2.4922G	65.72	74.00	-8.28	34.56	3	Vertical	0	2.05	-	27.87	3.29	-
AV	2.4846G	53.33	54.00	-0.67	22.21	3	Vertical	0	2.05	-	27.84	3.28	-

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

2437MHz_TX

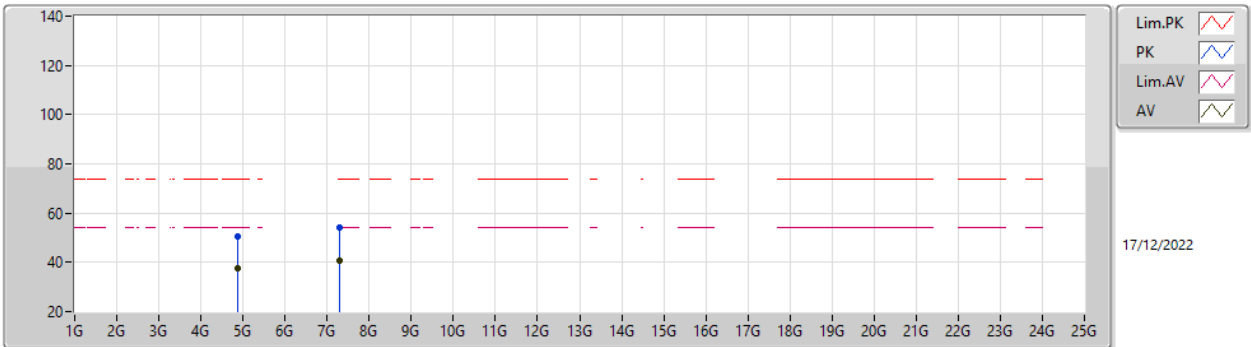


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3782G	61.71	74.00	-12.29	30.95	3	Horizontal	0	1.80	-	27.57	3.19	-
AV	2.3778G	48.88	54.00	-5.12	18.12	3	Horizontal	0	1.80	-	27.57	3.19	-
PK	2.4346G	116.46	Inf	-Inf	85.53	3	Horizontal	0	1.80	-	27.70	3.23	-
AV	2.4346G	106.30	Inf	-Inf	75.37	3	Horizontal	0	1.80	-	27.70	3.23	-
PK	2.4866G	62.32	74.00	-11.68	31.18	3	Horizontal	0	1.80	-	27.85	3.29	-
AV	2.4846G	49.25	54.00	-4.75	18.13	3	Horizontal	0	1.80	-	27.84	3.28	-

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

2437MHz_TX

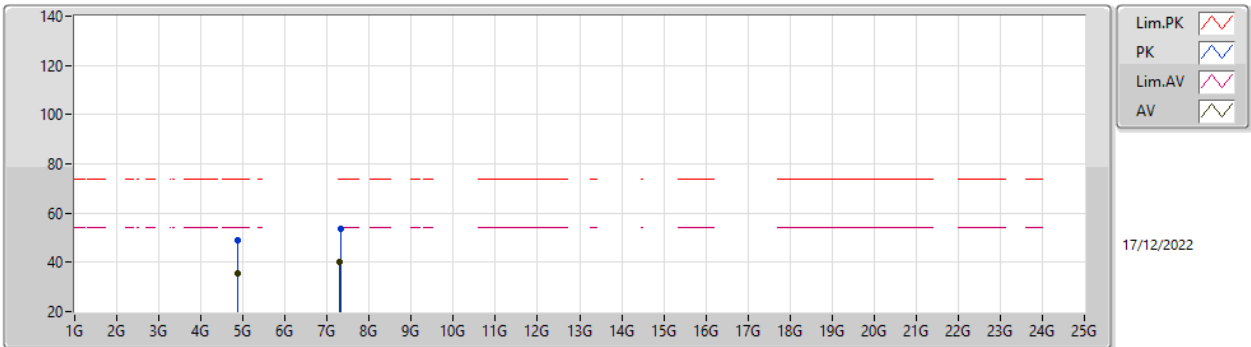


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87592G	50.43	74.00	-23.57	45.00	3	Vertical	163	2.01	-	32.75	5.30	32.62
AV	4.87552G	37.39	54.00	-16.61	31.96	3	Vertical	163	2.01	-	32.75	5.30	32.62
PK	7.30806G	54.24	74.00	-19.76	42.84	3	Vertical	11	1.80	-	37.70	6.91	33.21
AV	7.30692G	40.47	54.00	-13.53	29.07	3	Vertical	11	1.80	-	37.70	6.91	33.21

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

2437MHz_TX

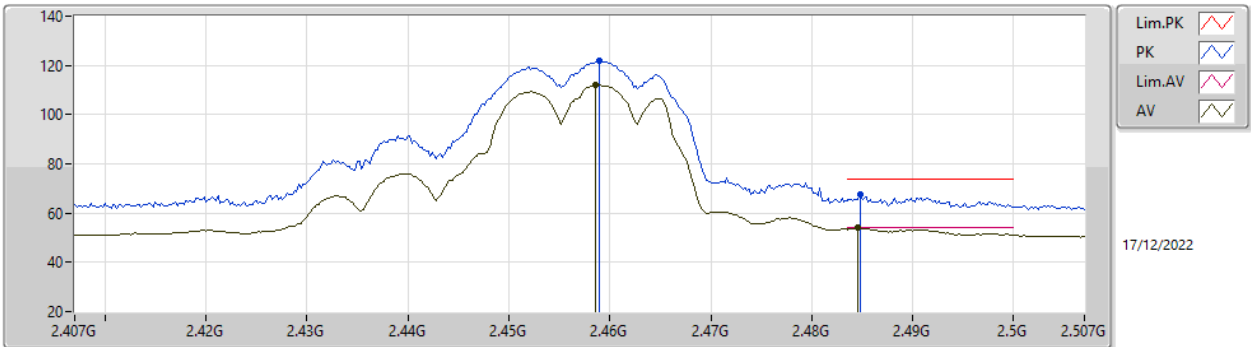


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87594G	49.03	74.00	-24.97	43.60	3	Horizontal	74	1.90	-	32.75	5.30	32.62
AV	4.877G	35.31	54.00	-18.69	29.88	3	Horizontal	74	1.90	-	32.75	5.30	32.62
PK	7.31522G	53.78	74.00	-20.22	42.38	3	Horizontal	138	1.80	-	37.70	6.92	33.22
AV	7.30688G	40.27	54.00	-13.73	28.87	3	Horizontal	138	1.80	-	37.70	6.91	33.21

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

2457MHz_TX

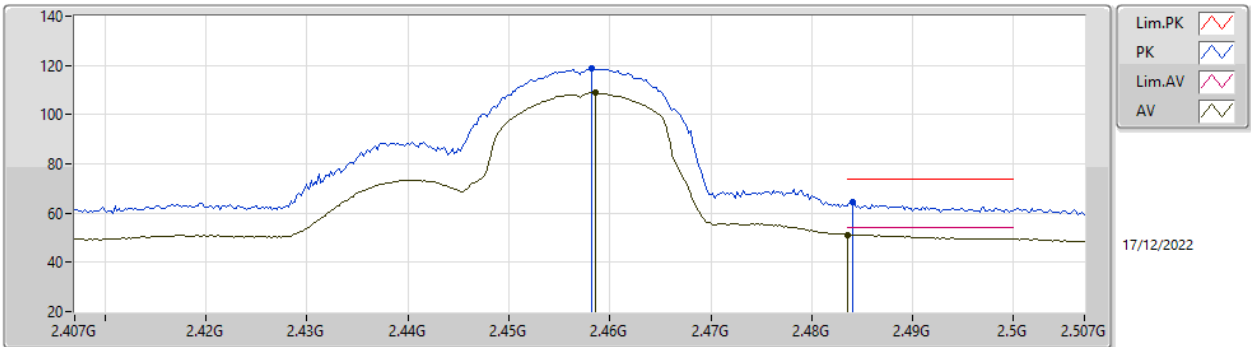


EUT Y_4TX
Setting 89
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.459G	122.06	Inf	-Inf	91.06	3	Vertical	-0	1.80	-	27.74	3.26	-
AV	2.4586G	111.88	Inf	-Inf	80.89	3	Vertical	-0	1.80	-	27.73	3.26	-
PK	2.4848G	67.54	74.00	-6.46	36.42	3	Vertical	-0	1.80	-	27.84	3.28	-
AV	2.4846G	53.88	54.00	-0.12	22.76	3	Vertical	-0	1.80	-	27.84	3.28	-

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

2457MHz_TX

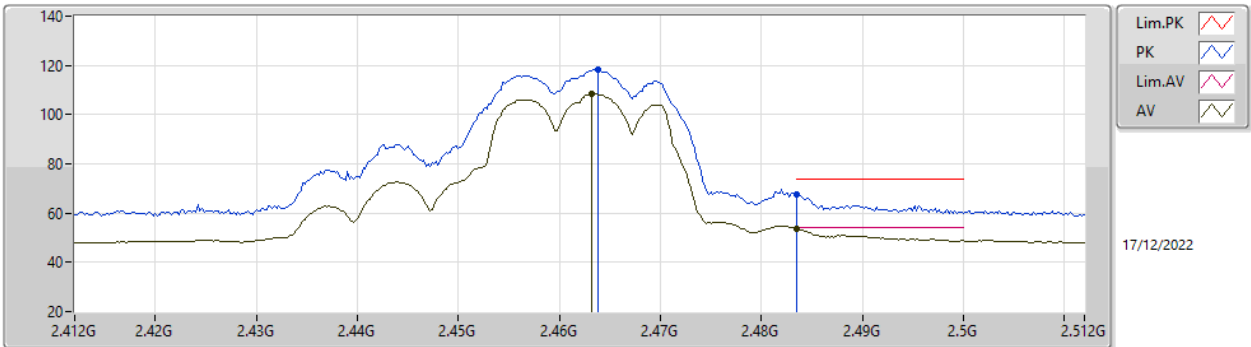


EUT Y_4TX
Setting 89
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4582G	118.80	Inf	-Inf	87.81	3	Horizontal	206	2.18	-	27.73	3.26	-
AV	2.4586G	108.82	Inf	-Inf	77.83	3	Horizontal	206	2.18	-	27.73	3.26	-
PK	2.484G	64.24	74.00	-9.76	33.12	3	Horizontal	206	2.18	-	27.84	3.28	-
AV	2.4836G	51.29	54.00	-2.71	20.18	3	Horizontal	206	2.18	-	27.83	3.28	-

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

2462MHz_TX

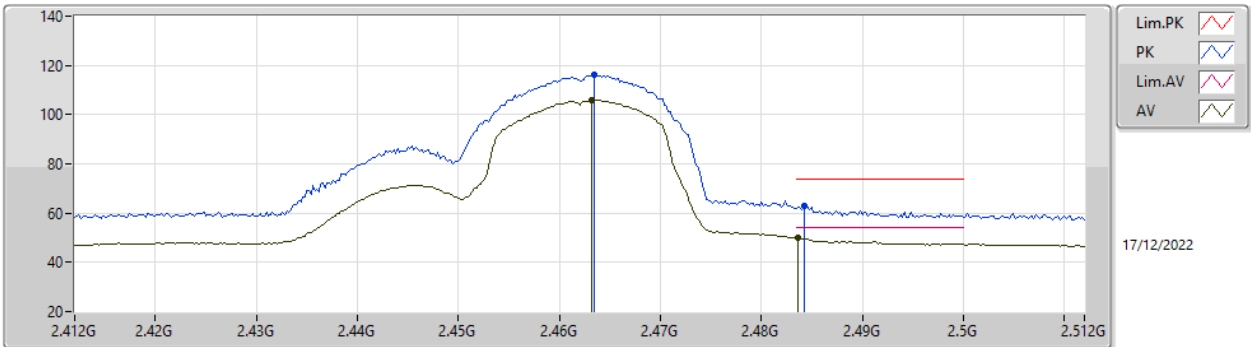


EUT_Y_4TX
Setting 76
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4638G	118.36	Inf	-Inf	87.34	3	Vertical	2	1.80	-	27.76	3.26	-
AV	2.4632G	108.48	Inf	-Inf	77.47	3	Vertical	2	1.80	-	27.75	3.26	-
PK	2.4835G	67.53	74.00	-6.47	36.42	3	Vertical	2	1.80	-	27.83	3.28	-
AV	2.4835G	53.80	54.00	-0.20	22.69	3	Vertical	2	1.80	-	27.83	3.28	-

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

2462MHz_TX

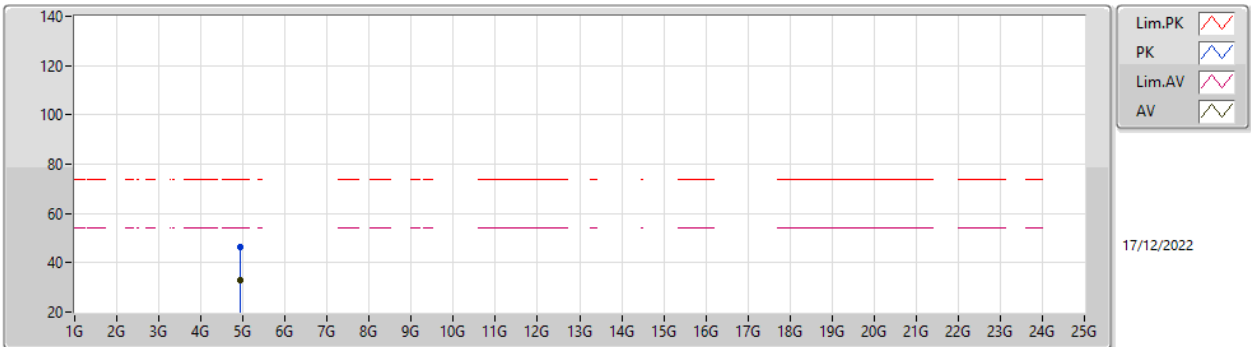


EUT_Y_4TX
Setting 76
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4634G	116.01	Inf	-Inf	85.00	3	Horizontal	206	2.11	-	27.75	3.26	-
AV	2.4632G	105.99	Inf	-Inf	74.98	3	Horizontal	206	2.11	-	27.75	3.26	-
PK	2.4842G	62.86	74.00	-11.14	31.74	3	Horizontal	206	2.11	-	27.84	3.28	-
AV	2.4836G	50.03	54.00	-3.97	18.92	3	Horizontal	206	2.11	-	27.83	3.28	-

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

2462MHz_TX

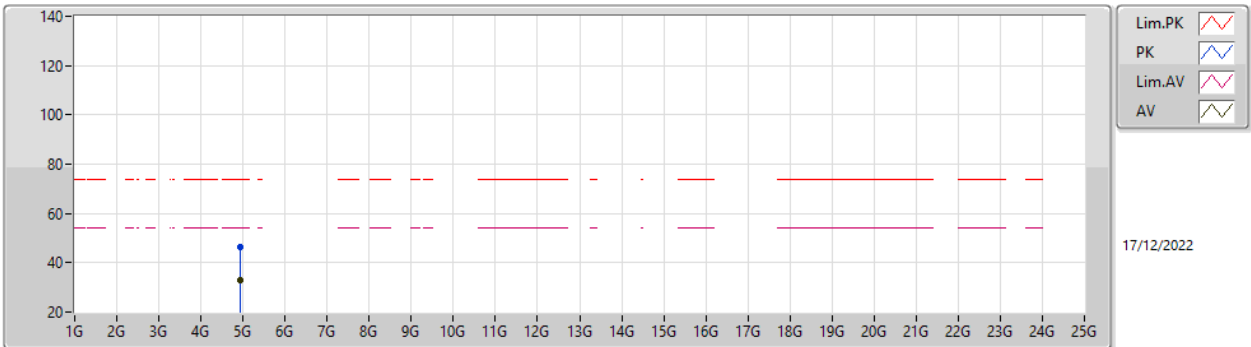


EUT Y_4TX
Setting 76
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92362G	46.32	74.00	-27.68	40.77	3	Vertical	280	2.45	-	32.85	5.30	32.60
AV	4.92548G	33.11	54.00	-20.89	27.56	3	Vertical	280	2.45	-	32.85	5.30	32.60

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

2462MHz_TX

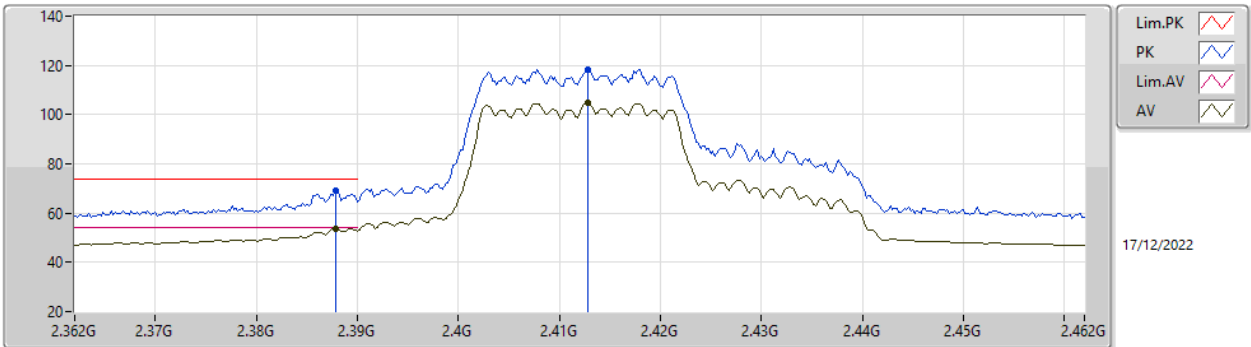


EUT Y_4TX
Setting 76
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9255G	46.45	74.00	-27.55	40.90	3	Horizontal	75	1.58	-	32.85	5.30	32.60
AV	4.92342G	33.07	54.00	-20.93	27.52	3	Horizontal	75	1.58	-	32.85	5.30	32.60

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

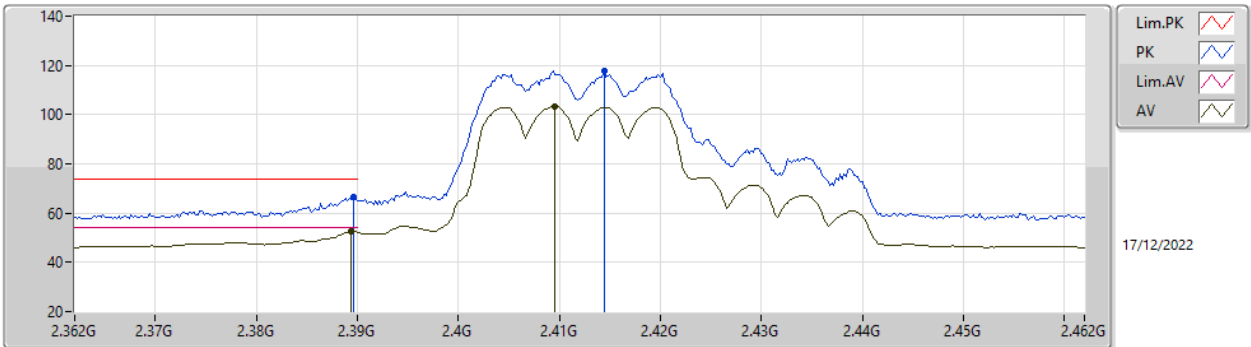


EUT Y_4TX
Setting 72
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	69.00	74.00	-5.00	38.18	3	Vertical	360	2.21	-	27.63	3.19	-
AV	2.3878G	53.76	54.00	-0.24	22.94	3	Vertical	360	2.21	-	27.63	3.19	-
PK	2.4128G	118.18	Inf	-Inf	87.27	3	Vertical	360	2.21	-	27.70	3.21	-
AV	2.4128G	104.62	Inf	-Inf	73.71	3	Vertical	360	2.21	-	27.70	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

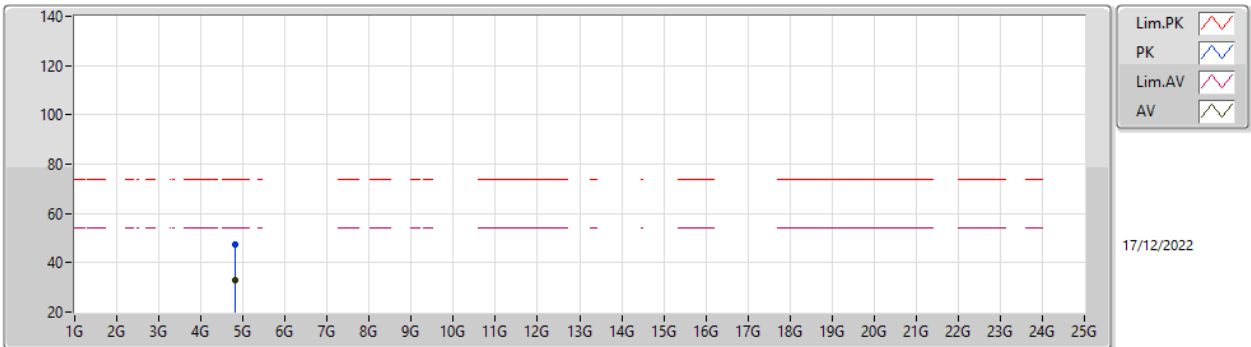


EUT_Y_4TX
Setting 72
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	66.62	74.00	-7.38	35.79	3	Horizontal	202	2.50	-	27.64	3.19	-
AV	2.3894G	52.48	54.00	-1.52	21.65	3	Horizontal	202	2.50	-	27.64	3.19	-
PK	2.4144G	117.87	Inf	-Inf	86.96	3	Horizontal	202	2.50	-	27.70	3.21	-
AV	2.4096G	103.45	Inf	-Inf	72.54	3	Horizontal	202	2.50	-	27.70	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

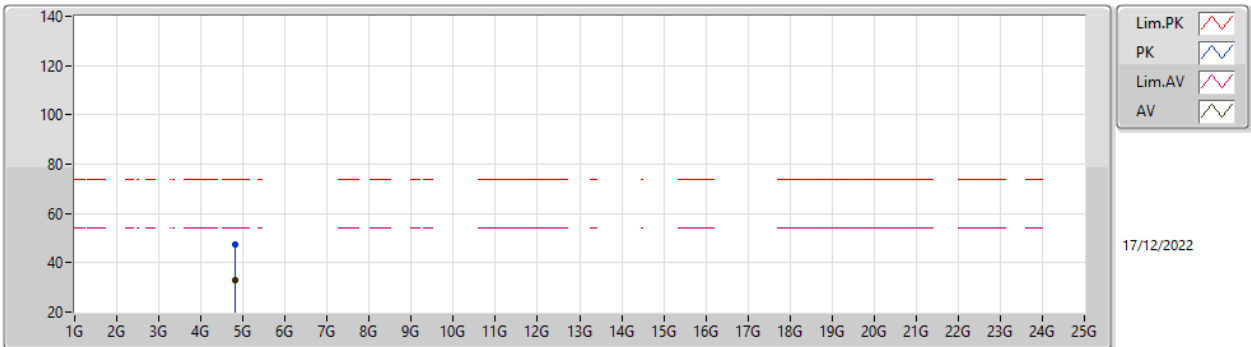


EUT Y_4TX
Setting 72
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82344G	47.17	74.00	-26.83	41.87	3	Vertical	325	1.92	-	32.65	5.30	32.65
AV	4.81926G	32.79	54.00	-21.21	27.50	3	Vertical	325	1.92	-	32.64	5.30	32.65

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

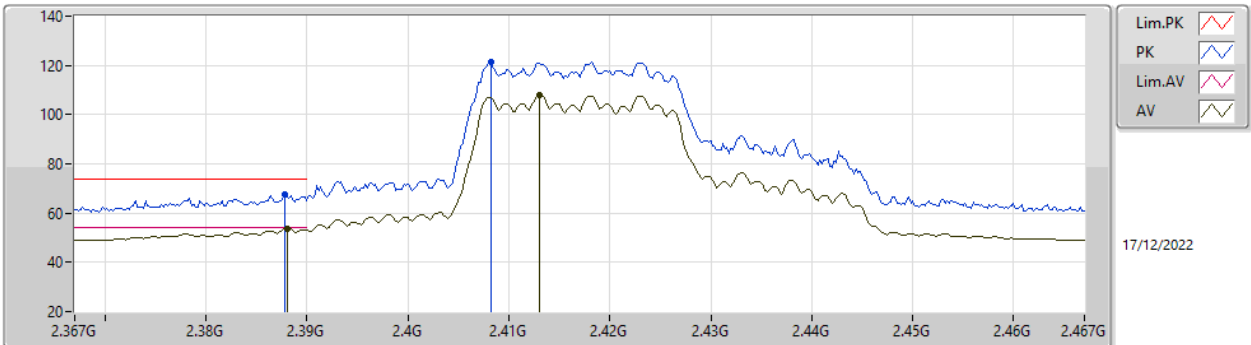


EUT Y_4TX
Setting 72
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82816G	47.27	74.00	-26.73	41.96	3	Horizontal	301	1.82	-	32.66	5.30	32.65
AV	4.82282G	32.85	54.00	-21.15	27.55	3	Horizontal	301	1.82	-	32.65	5.30	32.65

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

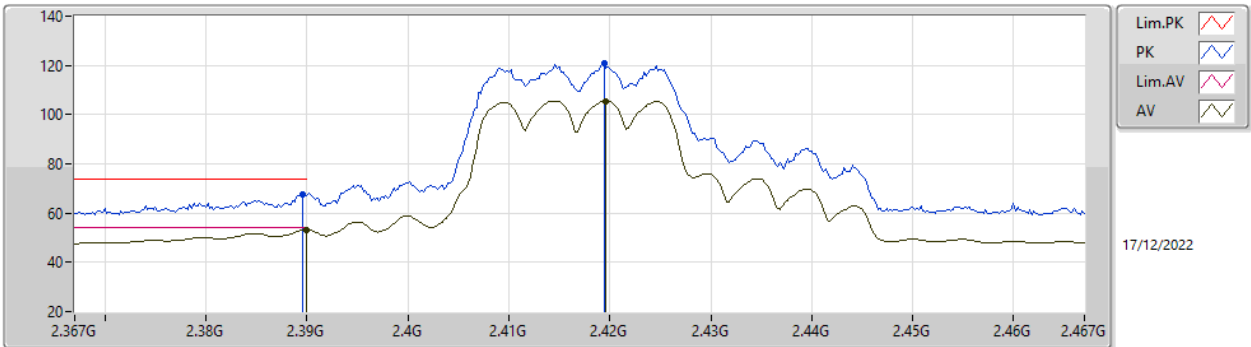


EUT Y_4TX
Setting 83
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	67.45	74.00	-6.55	36.63	3	Vertical	355	2.53	-	27.63	3.19	-
AV	2.388G	53.77	54.00	-0.23	22.95	3	Vertical	355	2.53	-	27.63	3.19	-
PK	2.4082G	121.48	Inf	-Inf	90.57	3	Vertical	355	2.53	-	27.70	3.21	-
AV	2.413G	107.75	Inf	-Inf	76.84	3	Vertical	355	2.53	-	27.70	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

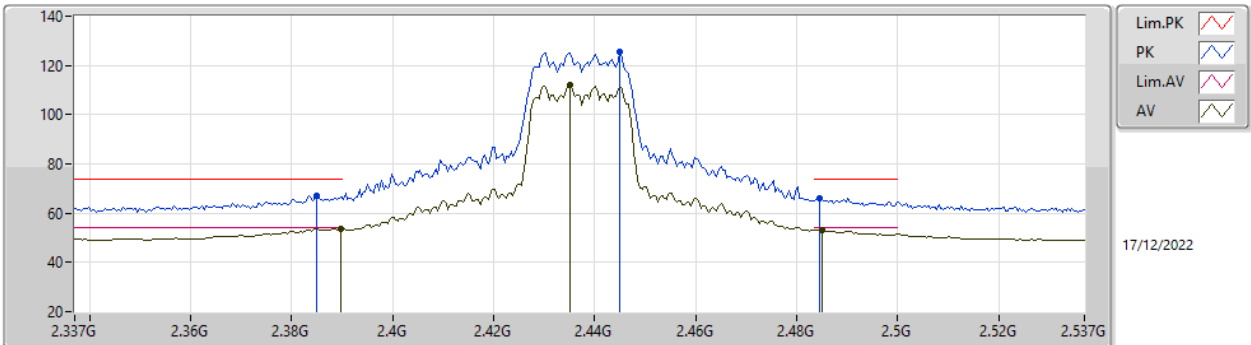


EUT Y_4TX
Setting 83
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	67.57	74.00	-6.43	36.74	3	Horizontal	202	2.27	-	27.64	3.19	-
AV	2.39G	53.24	54.00	-0.76	22.40	3	Horizontal	202	2.27	-	27.64	3.20	-
PK	2.4194G	121.07	Inf	-Inf	90.15	3	Horizontal	202	2.27	-	27.70	3.22	-
AV	2.4196G	105.60	Inf	-Inf	74.68	3	Horizontal	202	2.27	-	27.70	3.22	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

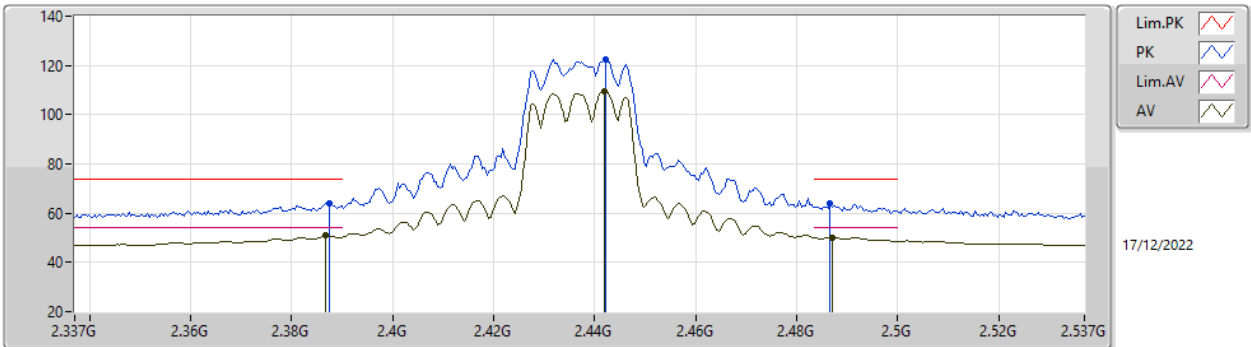


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.385G	67.16	74.00	-6.84	36.36	3	Vertical	348	2.22	-	27.61	3.19	-
AV	2.3898G	53.79	54.00	-0.21	22.96	3	Vertical	348	2.22	-	27.64	3.19	-
PK	2.445G	125.37	Inf	-Inf	94.42	3	Vertical	348	2.22	-	27.70	3.25	-
AV	2.435G	112.00	Inf	-Inf	81.06	3	Vertical	348	2.22	-	27.70	3.24	-
PK	2.4846G	66.13	74.00	-7.87	35.01	3	Vertical	348	2.22	-	27.84	3.28	-
AV	2.485G	53.24	54.00	-0.76	22.11	3	Vertical	348	2.22	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

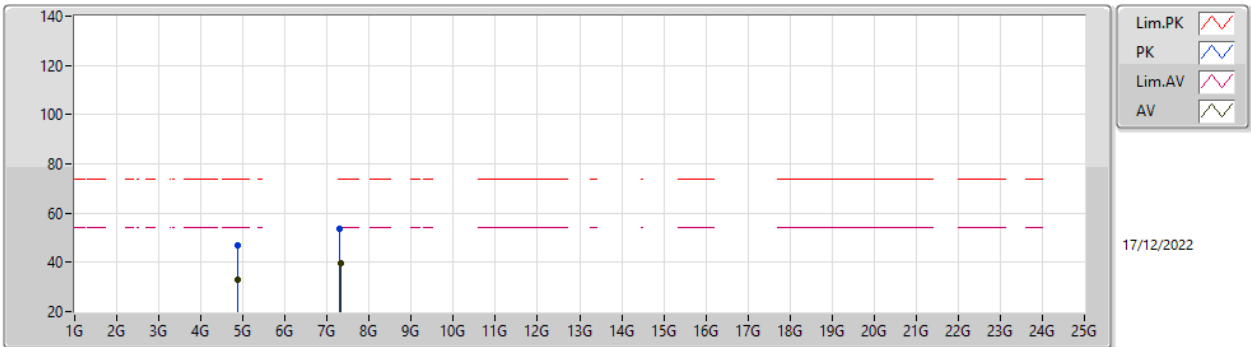


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3874G	64.19	74.00	-9.81	33.38	3	Horizontal	201	1.76	-	27.62	3.19	-
AV	2.3866G	50.78	54.00	-3.22	19.97	3	Horizontal	201	1.76	-	27.62	3.19	-
PK	2.4422G	122.54	Inf	-Inf	91.60	3	Horizontal	201	1.76	-	27.70	3.24	-
AV	2.4418G	109.63	Inf	-Inf	78.69	3	Horizontal	201	1.76	-	27.70	3.24	-
PK	2.4866G	63.77	74.00	-10.23	32.63	3	Horizontal	201	1.76	-	27.85	3.29	-
AV	2.487G	50.22	54.00	-3.78	19.08	3	Horizontal	201	1.76	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

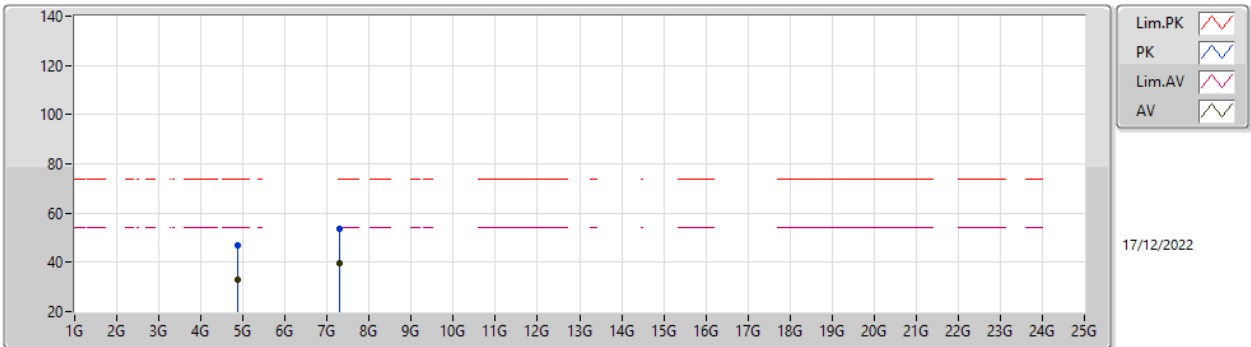


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87822G	47.04	74.00	-26.96	41.60	3	Vertical	299	2.37	-	32.76	5.30	32.62
AV	4.87686G	33.09	54.00	-20.91	27.66	3	Vertical	299	2.37	-	32.75	5.30	32.62
PK	7.30608G	53.40	74.00	-20.60	42.00	3	Vertical	90	2.14	-	37.70	6.91	33.21
AV	7.31066G	39.56	54.00	-14.44	28.17	3	Vertical	90	2.14	-	37.70	6.91	33.22

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

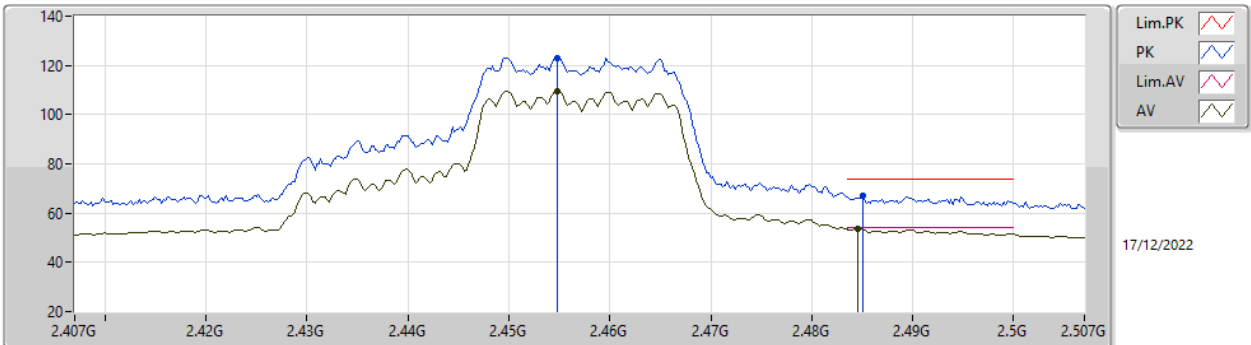


EUT Y_4TX
Setting 98
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87184G	46.94	74.00	-27.06	41.53	3	Horizontal	79	1.64	-	32.74	5.30	32.63
AV	4.87472G	33.11	54.00	-20.89	27.69	3	Horizontal	79	1.64	-	32.75	5.30	32.63
PK	7.30984G	53.69	74.00	-20.31	42.30	3	Horizontal	24	1.35	-	37.70	6.91	33.22
AV	7.306G	39.54	54.00	-14.46	28.14	3	Horizontal	24	1.35	-	37.70	6.91	33.21

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

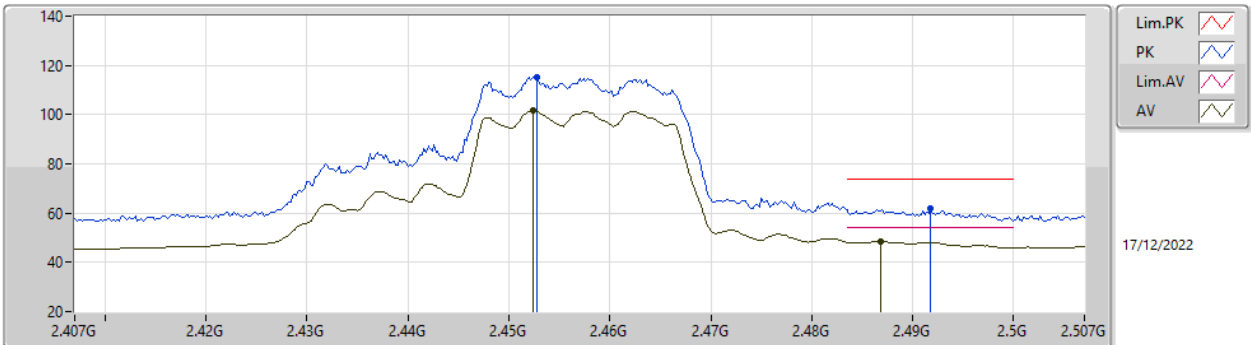


EUT Y_4TX
Setting 90
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4548G	123.05	Inf	-Inf	92.08	3	Vertical	350	1.94	-	27.72	3.25	-
AV	2.4548G	109.72	Inf	-Inf	78.75	3	Vertical	350	1.94	-	27.72	3.25	-
PK	2.485G	67.01	74.00	-6.99	35.88	3	Vertical	350	1.94	-	27.84	3.29	-
AV	2.4846G	53.78	54.00	-0.22	22.66	3	Vertical	350	1.94	-	27.84	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

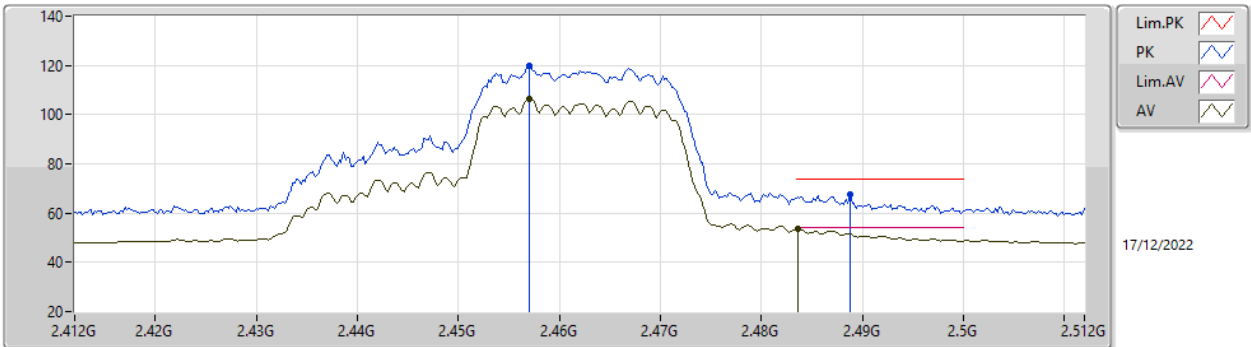


EUT Y_4TX
Setting 90
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4528G	115.41	Inf	-Inf	84.45	3	Horizontal	360	1.80	-	27.71	3.25	-
AV	2.4524G	101.53	Inf	-Inf	70.57	3	Horizontal	360	1.80	-	27.71	3.25	-
PK	2.4918G	61.87	74.00	-12.13	30.71	3	Horizontal	360	1.80	-	27.87	3.29	-
AV	2.4868G	48.54	54.00	-5.46	17.40	3	Horizontal	360	1.80	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

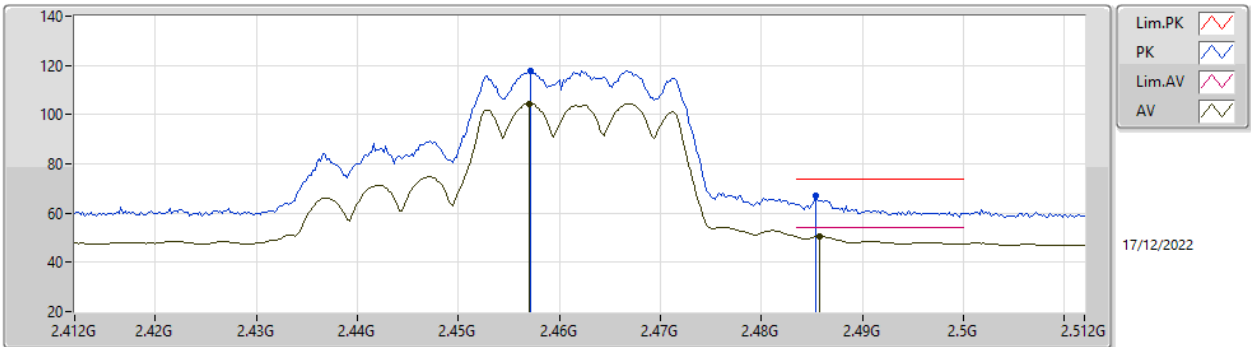


EUT Y_4TX
Setting 80
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.457G	119.69	Inf	-Inf	88.70	3	Vertical	7	1.80	-	27.73	3.26	-
AV	2.457G	106.36	Inf	-Inf	75.37	3	Vertical	7	1.80	-	27.73	3.26	-
PK	2.4888G	67.54	74.00	-6.46	36.39	3	Vertical	7	1.80	-	27.86	3.29	-
AV	2.4836G	53.76	54.00	-0.24	22.65	3	Vertical	7	1.80	-	27.83	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

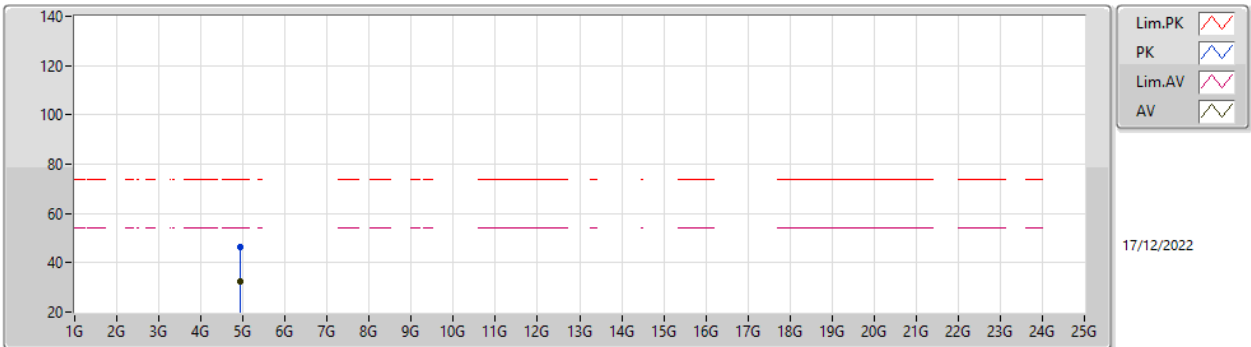


EUT_Y_4TX
Setting 80
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4572G	117.95	Inf	-Inf	86.96	3	Horizontal	203	2.09	-	27.73	3.26	-
AV	2.457G	104.40	Inf	-Inf	73.41	3	Horizontal	203	2.09	-	27.73	3.26	-
PK	2.4854G	67.18	74.00	-6.82	36.05	3	Horizontal	203	2.09	-	27.84	3.29	-
AV	2.4858G	50.59	54.00	-3.41	19.46	3	Horizontal	203	2.09	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

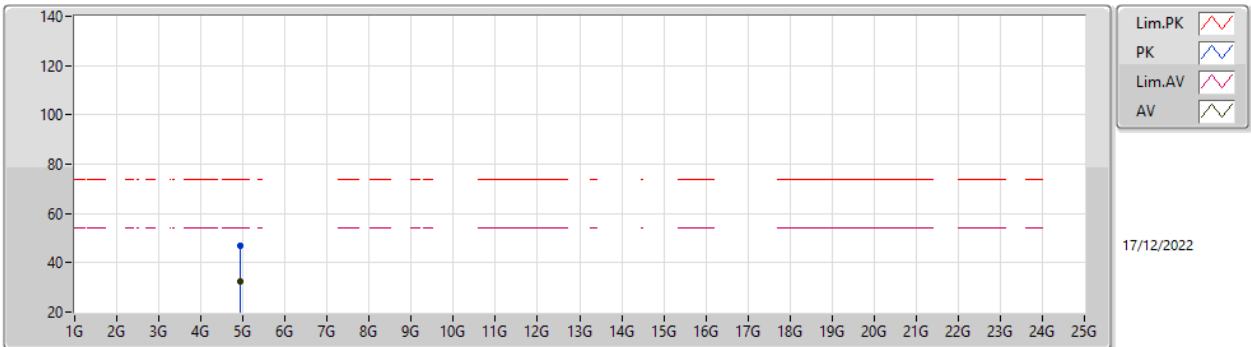


EUT Y_4TX
Setting 80
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92014G	46.63	74.00	-27.37	41.09	3	Vertical	249	2.41	-	32.84	5.30	32.60
AV	4.92396G	32.51	54.00	-21.49	26.96	3	Vertical	249	2.41	-	32.85	5.30	32.60

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

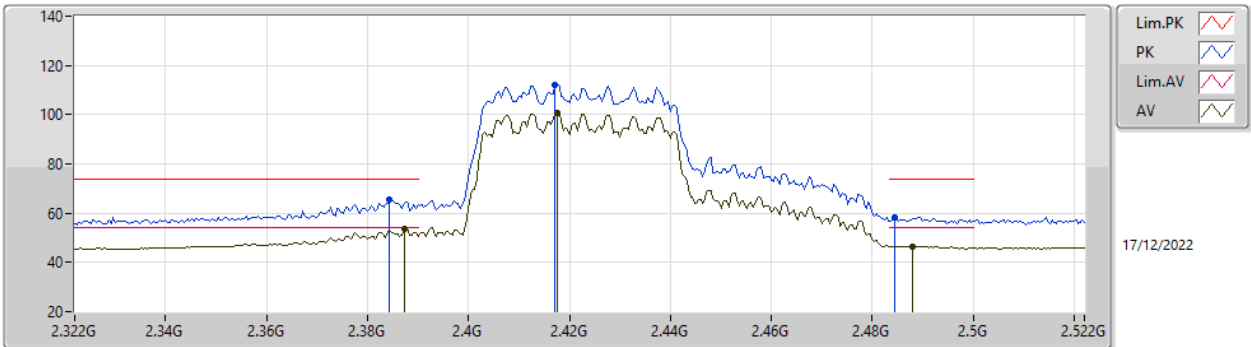


EUT Y_4TX
Setting 80
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92182G	46.66	74.00	-27.34	41.12	3	Horizontal	174	1.15	-	32.84	5.30	32.60
AV	4.92386G	32.51	54.00	-21.49	26.96	3	Horizontal	174	1.15	-	32.85	5.30	32.60

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

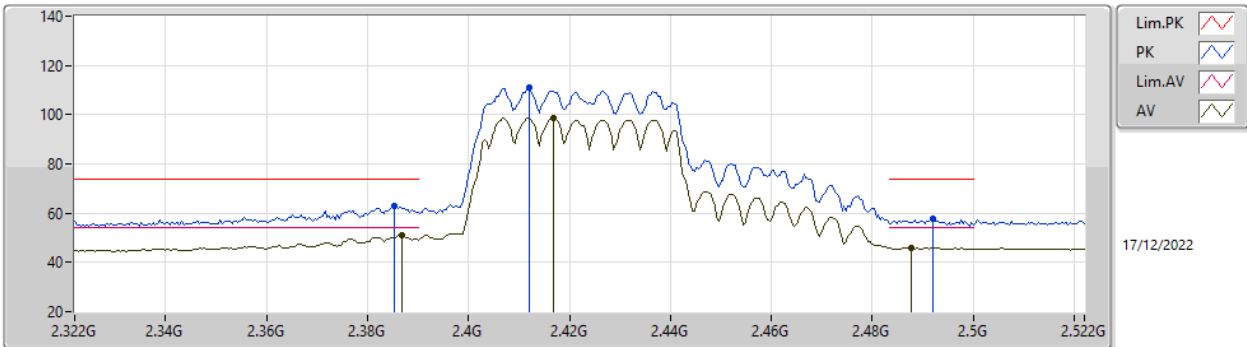


EUT Y_4TX
Setting 54
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3844G	65.41	74.00	-8.59	34.61	3	Vertical	332	1.80	-	27.61	3.19	-
AV	2.3872G	53.49	54.00	-0.51	22.68	3	Vertical	332	1.80	-	27.62	3.19	-
PK	2.4172G	112.24	Inf	-Inf	81.32	3	Vertical	332	1.80	-	27.70	3.22	-
AV	2.4176G	100.80	Inf	-Inf	69.88	3	Vertical	332	1.80	-	27.70	3.22	-
PK	2.4844G	58.32	74.00	-15.68	27.20	3	Vertical	332	1.80	-	27.84	3.28	-
AV	2.488G	46.51	54.00	-7.49	15.37	3	Vertical	332	1.80	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

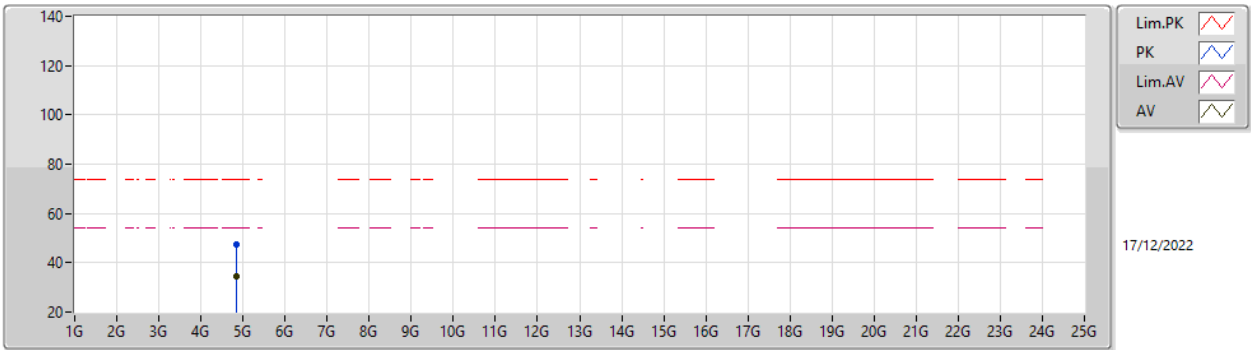


EUT Y_4TX
Setting 54
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	62.90	74.00	-11.10	32.10	3	Horizontal	204	2.09	-	27.61	3.19	-
AV	2.3868G	51.12	54.00	-2.88	20.31	3	Horizontal	204	2.09	-	27.62	3.19	-
PK	2.412G	110.97	Inf	-Inf	80.06	3	Horizontal	204	2.09	-	27.70	3.21	-
AV	2.4168G	98.54	Inf	-Inf	67.62	3	Horizontal	204	2.09	-	27.70	3.22	-
PK	2.492G	57.51	74.00	-16.49	26.35	3	Horizontal	204	2.09	-	27.87	3.29	-
AV	2.4876G	46.00	54.00	-8.00	14.86	3	Horizontal	204	2.09	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

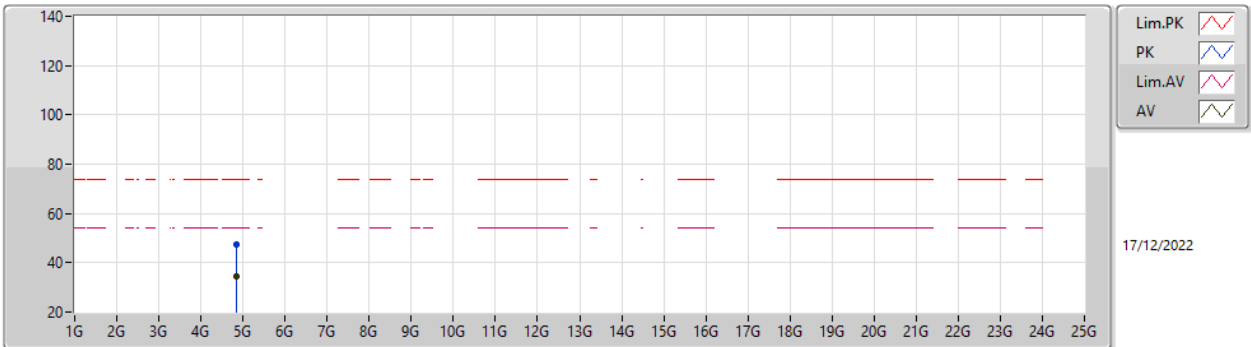


EUT Y_4TX
Setting 54
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84466G	47.38	74.00	-26.62	42.03	3	Vertical	125	1.77	-	32.69	5.30	32.64
AV	4.84292G	34.51	54.00	-19.49	29.16	3	Vertical	125	1.77	-	32.69	5.30	32.64

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

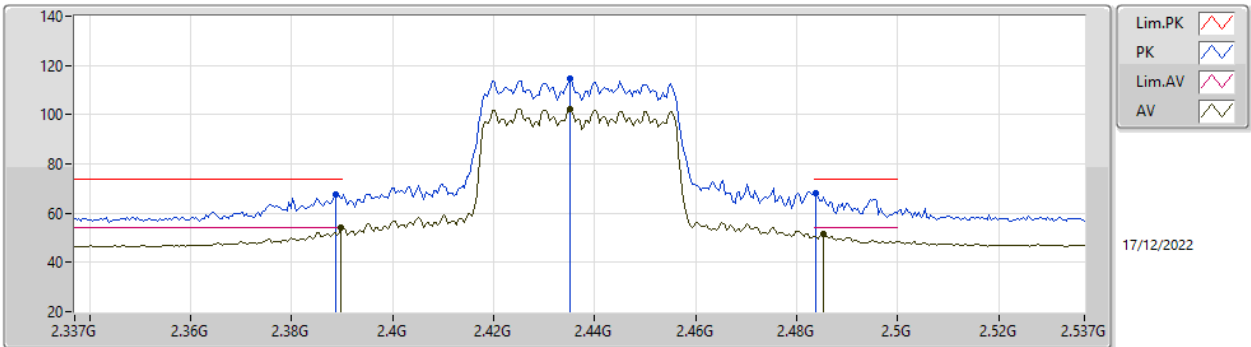


EUT Y_4TX
Setting 54
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84404G	47.41	74.00	-26.59	42.06	3	Horizontal	197	2.91	-	32.69	5.30	32.64
AV	4.84536G	34.70	54.00	-19.30	29.35	3	Horizontal	197	2.91	-	32.69	5.30	32.64

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

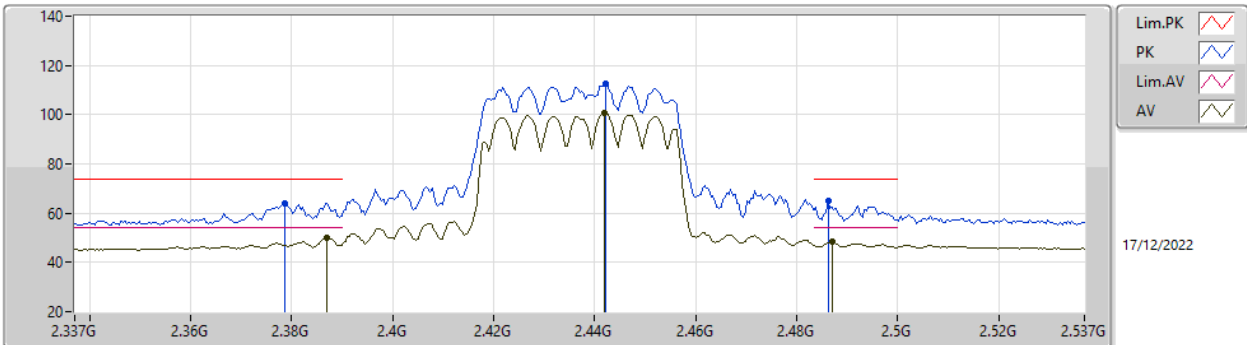


EUT Y_4TX
Setting 60
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	67.55	74.00	-6.45	36.73	3	Vertical	347	2.23	-	27.63	3.19	-
AV	2.3898G	53.98	54.00	-0.02	23.15	3	Vertical	347	2.23	-	27.64	3.19	-
PK	2.435G	114.73	Inf	-Inf	83.79	3	Vertical	347	2.23	-	27.70	3.24	-
AV	2.435G	102.16	Inf	-Inf	71.22	3	Vertical	347	2.23	-	27.70	3.24	-
PK	2.4838G	68.03	74.00	-5.97	36.91	3	Vertical	347	2.23	-	27.84	3.28	-
AV	2.4854G	51.45	54.00	-2.55	20.32	3	Vertical	347	2.23	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

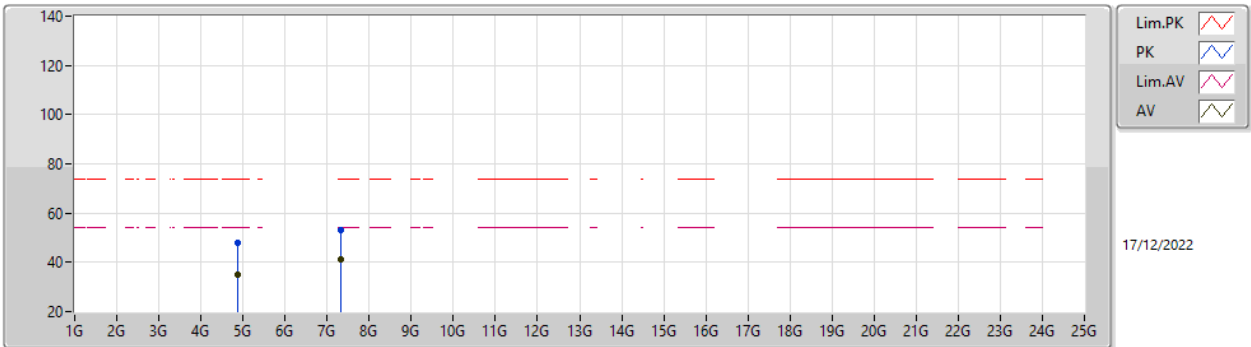


EUT Y_4TX
Setting 60
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3786G	64.10	74.00	-9.90	33.34	3	Horizontal	202	1.74	-	27.57	3.19	-
AV	2.387G	49.98	54.00	-4.02	19.17	3	Horizontal	202	1.74	-	27.62	3.19	-
PK	2.4422G	112.45	Inf	-Inf	81.51	3	Horizontal	202	1.74	-	27.70	3.24	-
AV	2.4418G	100.46	Inf	-Inf	69.52	3	Horizontal	202	1.74	-	27.70	3.24	-
PK	2.4862G	65.07	74.00	-8.93	33.94	3	Horizontal	202	1.74	-	27.84	3.29	-
AV	2.487G	48.53	54.00	-5.47	17.39	3	Horizontal	202	1.74	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

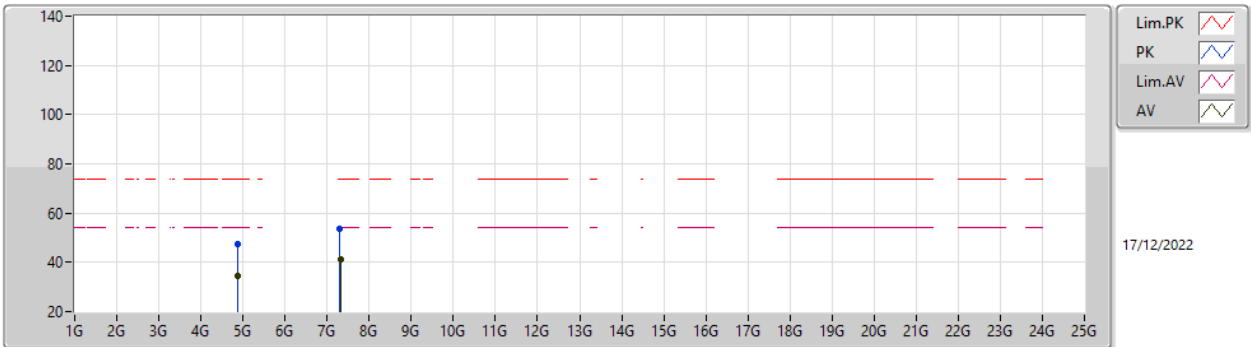


EUT Y_4TX
Setting 60
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87558G	47.84	74.00	-26.16	42.41	3	Vertical	303	2.25	-	32.75	5.30	32.62
AV	4.86908G	34.98	54.00	-19.02	29.57	3	Vertical	303	2.25	-	32.74	5.30	32.63
PK	7.31198G	53.23	74.00	-20.77	41.84	3	Vertical	146	1.31	-	37.70	6.91	33.22
AV	7.31192G	41.22	54.00	-12.78	29.83	3	Vertical	146	1.31	-	37.70	6.91	33.22

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

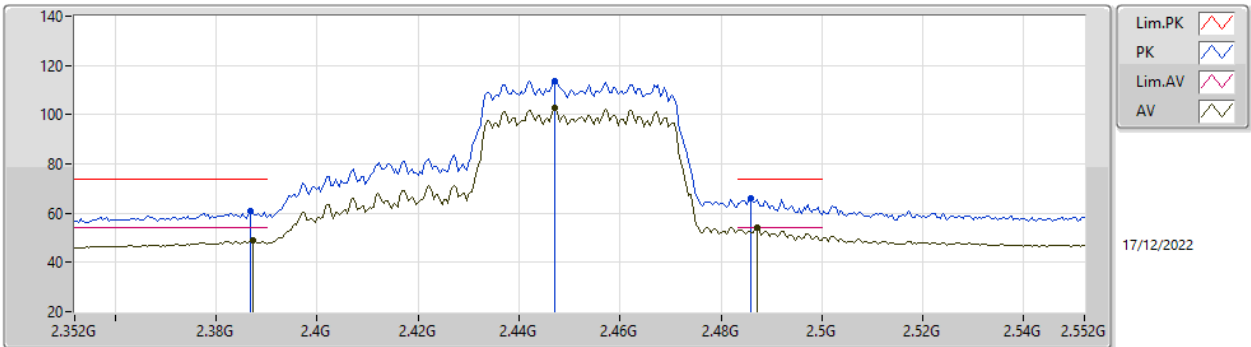


EUT Y_4TX
Setting 60
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87682G	47.35	74.00	-26.65	41.92	3	Horizontal	22	2.75	-	32.75	5.30	32.62
AV	4.87292G	34.71	54.00	-19.29	29.29	3	Horizontal	22	2.75	-	32.75	5.30	32.63
PK	7.30952G	53.46	74.00	-20.54	42.07	3	Horizontal	167	1.86	-	37.70	6.91	33.22
AV	7.31126G	41.25	54.00	-12.75	29.86	3	Horizontal	167	1.86	-	37.70	6.91	33.22

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

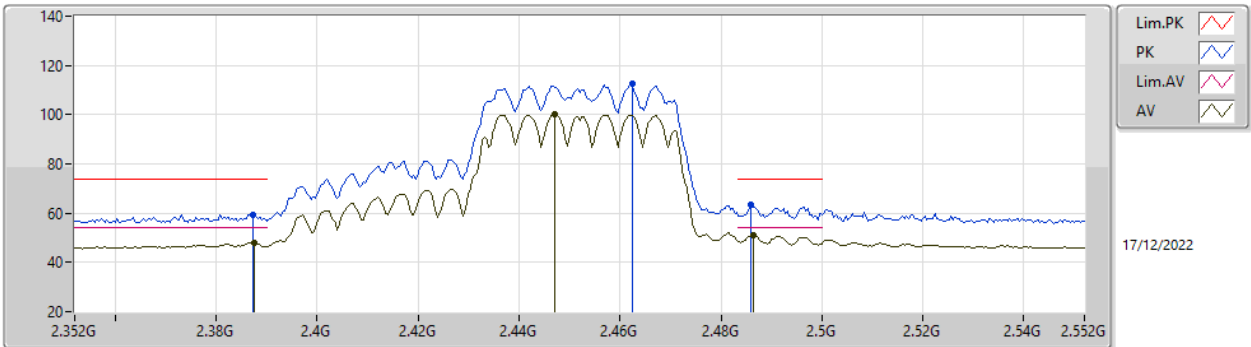


EUT Y_4TX
Setting 64
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	60.70	74.00	-13.30	29.89	3	Vertical	7	1.80	-	27.62	3.19	-
AV	2.3872G	49.01	54.00	-4.99	18.20	3	Vertical	7	1.80	-	27.62	3.19	-
PK	2.4472G	113.77	Inf	-Inf	82.82	3	Vertical	7	1.80	-	27.70	3.25	-
AV	2.4472G	102.51	Inf	-Inf	71.56	3	Vertical	7	1.80	-	27.70	3.25	-
PK	2.486G	65.81	74.00	-8.19	34.68	3	Vertical	7	1.80	-	27.84	3.29	-
AV	2.4872G	53.92	54.00	-0.08	22.78	3	Vertical	7	1.80	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

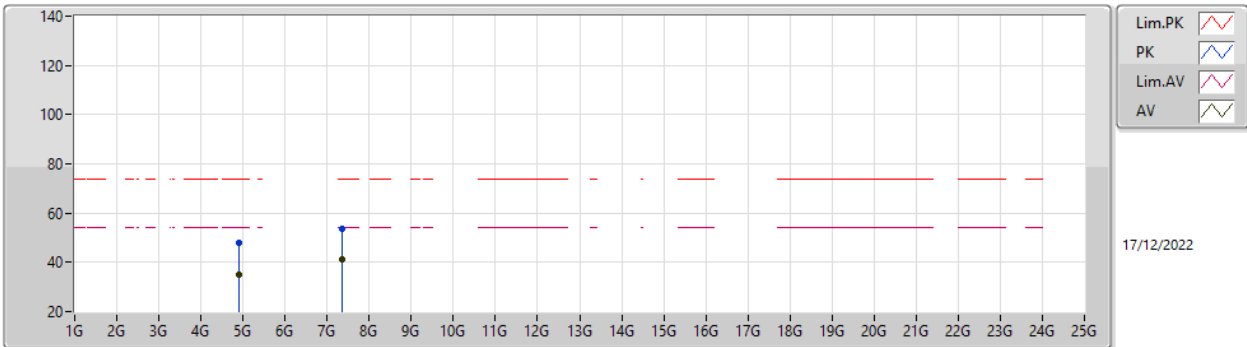


EUT Y_4TX
Setting 64
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3872G	59.51	74.00	-14.49	28.70	3	Horizontal	203	2.10	-	27.62	3.19	-
AV	2.3876G	47.99	54.00	-6.01	17.17	3	Horizontal	203	2.10	-	27.63	3.19	-
PK	2.4624G	112.60	Inf	-Inf	81.59	3	Horizontal	203	2.10	-	27.75	3.26	-
AV	2.4472G	100.25	Inf	-Inf	69.30	3	Horizontal	203	2.10	-	27.70	3.25	-
PK	2.486G	63.21	74.00	-10.79	32.08	3	Horizontal	203	2.10	-	27.84	3.29	-
AV	2.4864G	50.98	54.00	-3.02	19.84	3	Horizontal	203	2.10	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

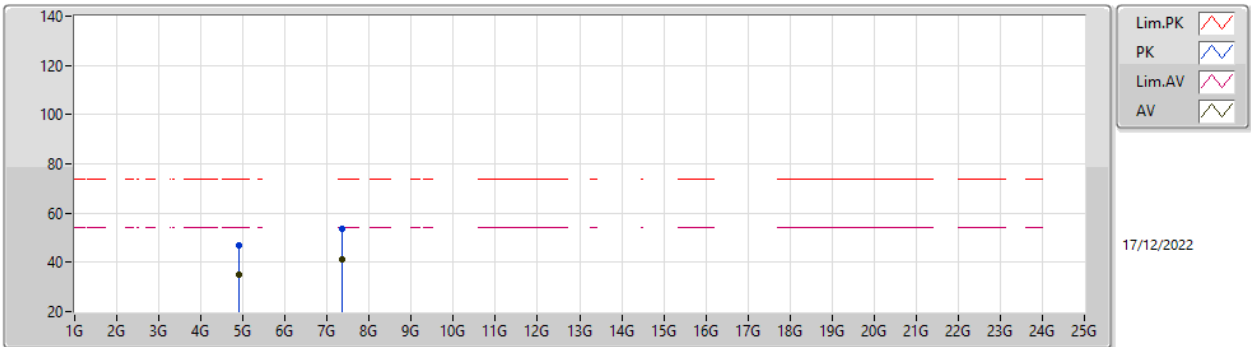


EUT Y_4TX
Setting 64
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90226G	47.94	74.00	-26.06	42.45	3	Vertical	230	1.80	-	32.80	5.30	32.61
AV	4.90238G	35.08	54.00	-18.92	29.59	3	Vertical	230	1.80	-	32.80	5.30	32.61
PK	7.35404G	53.48	74.00	-20.52	42.08	3	Vertical	208	1.09	-	37.68	6.95	33.23
AV	7.35694G	40.96	54.00	-13.04	29.56	3	Vertical	208	1.09	-	37.67	6.96	33.23

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

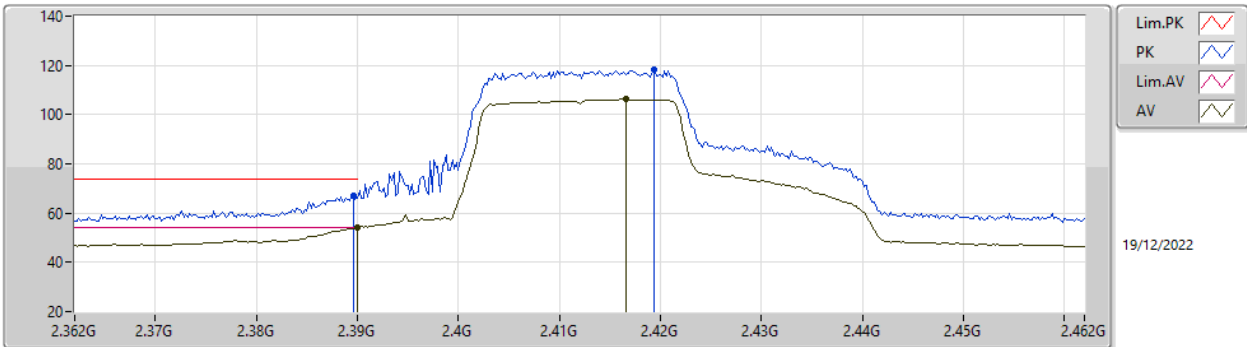


EUT Y_4TX
Setting 64
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90244G	46.71	74.00	-27.29	41.22	3	Horizontal	181	1.45	-	32.80	5.30	32.61
AV	4.89968G	34.83	54.00	-19.17	29.34	3	Horizontal	181	1.45	-	32.80	5.30	32.61
PK	7.35938G	53.81	74.00	-20.19	42.42	3	Horizontal	35	2.12	-	37.66	6.96	33.23
AV	7.35382G	41.04	54.00	-12.96	29.64	3	Horizontal	35	2.12	-	37.68	6.95	33.23

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

2412MHz_TX

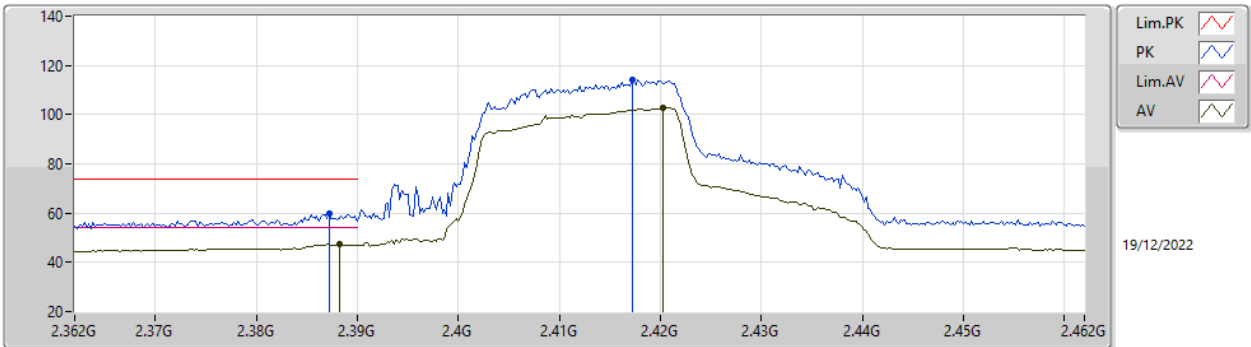


EUT Y_4TX
Setting 65
04-D-R-5

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	2.3896G	67.19	74.00	-6.81	36.36	3	Vertical	343	1.80	-	27.64	3.19	-
AV	2.39G	53.95	54.00	-0.05	23.11	3	Vertical	343	1.80	-	27.64	3.20	-
PK	2.4194G	118.41	Inf	-Inf	87.49	3	Vertical	343	1.80	-	27.70	3.22	-
AV	2.4166G	106.22	Inf	-Inf	75.30	3	Vertical	343	1.80	-	27.70	3.22	-

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

2412MHz_TX

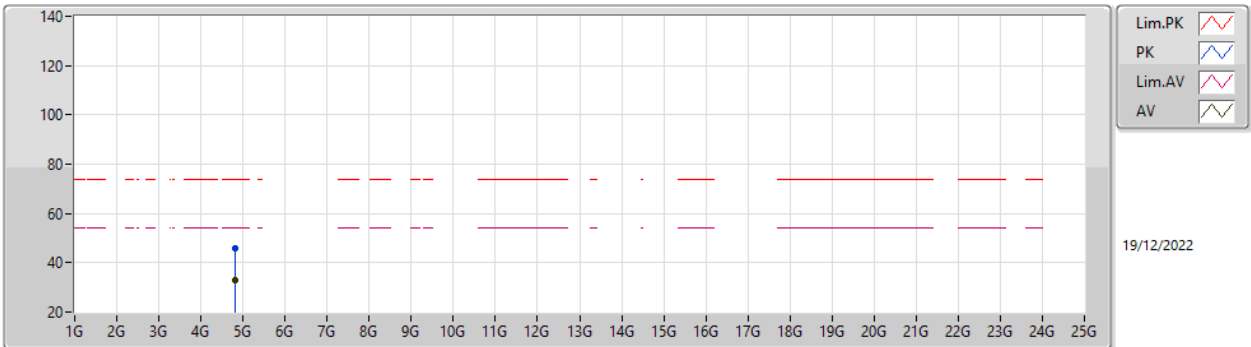


EUT_Y_4TX
Setting 65
04-D-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3872G	59.60	74.00	-14.40	28.79	3	Horizontal	35	1.74	-	27.62	3.19	-
AV	2.3882G	47.36	54.00	-6.64	16.54	3	Horizontal	35	1.74	-	27.63	3.19	-
PK	2.4172G	114.26	Inf	-Inf	83.34	3	Horizontal	35	1.74	-	27.70	3.22	-
AV	2.4202G	102.68	Inf	-Inf	71.76	3	Horizontal	35	1.74	-	27.70	3.22	-

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

2412MHz_TX

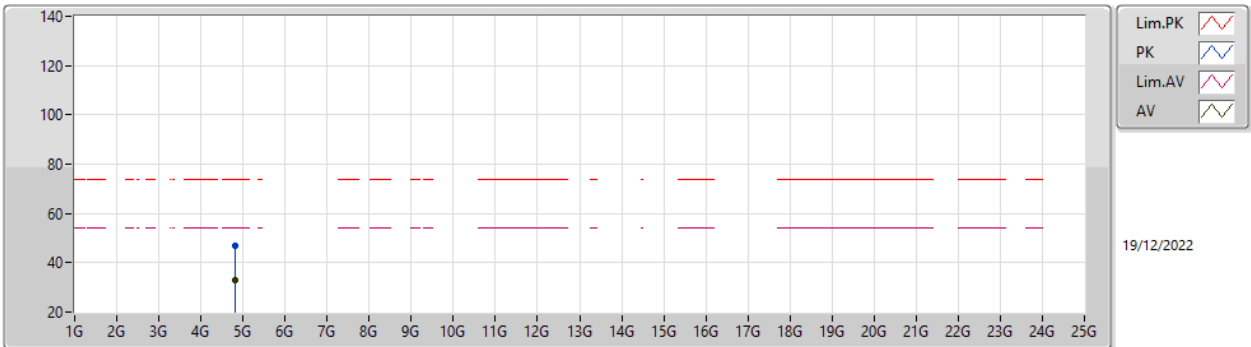


EUT Y_4TX
Setting 65
04-D-R-5

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	4.82024G	45.65	74.00	-28.35	40.36	3	Vertical	319	1.61	-	32.64	5.30	32.65
AV	4.82232G	33.13	54.00	-20.87	27.84	3	Vertical	319	1.61	-	32.64	5.30	32.65

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

2412MHz_TX

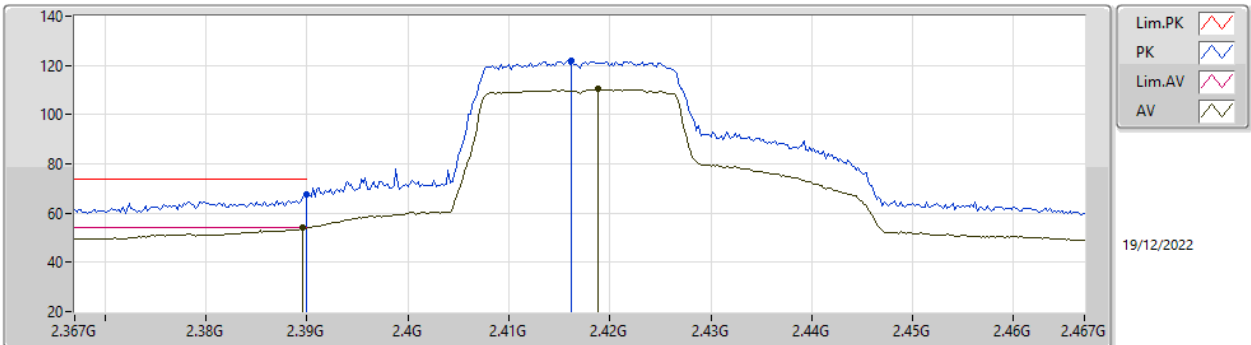


EUT Y_4TX
Setting 65
04-D-R-5

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	4.82002G	46.89	74.00	-27.11	41.60	3	Horizontal	224	1.88	-	32.64	5.30	32.65
AV	4.82056G	32.98	54.00	-21.02	27.69	3	Horizontal	224	1.88	-	32.64	5.30	32.65

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

2417MHz_TX

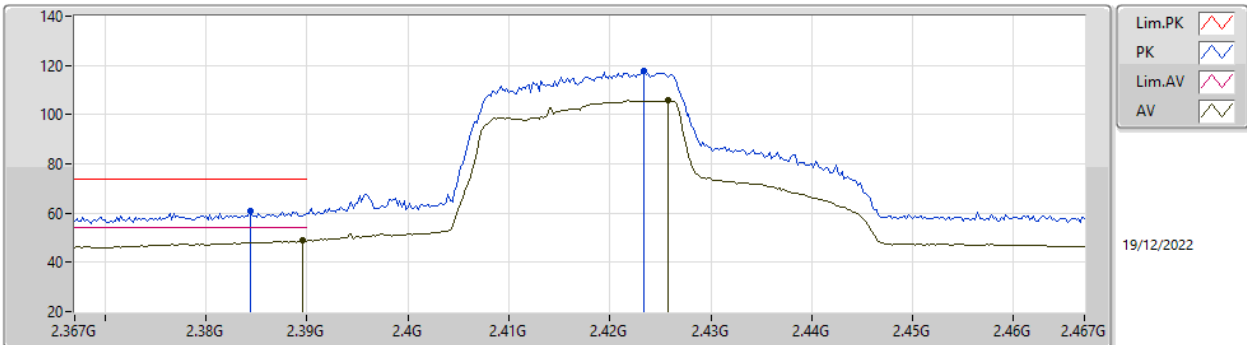


EUT Y_4TX
Setting 80
04-D-R-5

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	67.83	74.00	-6.17	36.99	3	Vertical	343	1.79	-	27.64	3.20	-
AV	2.3896G	53.95	54.00	-0.05	23.12	3	Vertical	343	1.79	-	27.64	3.19	-
PK	2.4162G	121.72	Inf	-Inf	90.80	3	Vertical	343	1.79	-	27.70	3.22	-
AV	2.4188G	110.42	Inf	-Inf	79.50	3	Vertical	343	1.79	-	27.70	3.22	-

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

2417MHz_TX

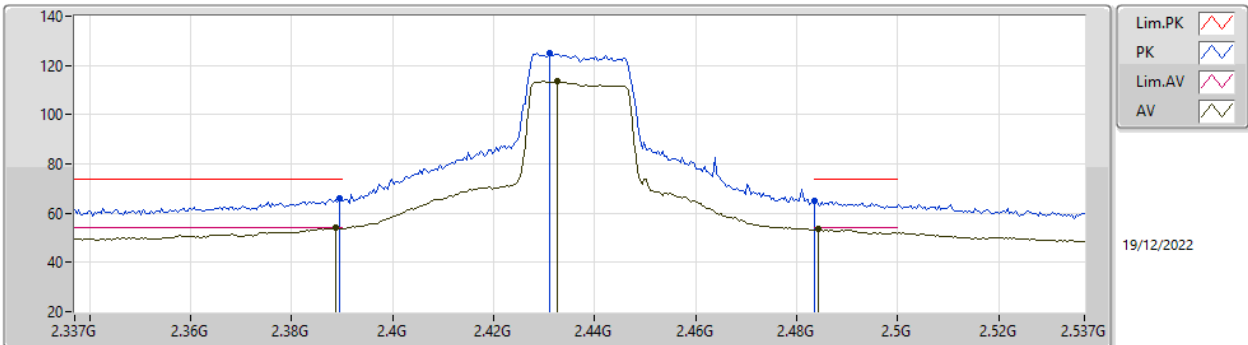


EUT Y_4TX
Setting 80
04-D-R-5

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	60.66	74.00	-13.34	29.86	3	Horizontal	31	1.78	-	27.61	3.19	-
AV	2.3896G	48.91	54.00	-5.09	18.08	3	Horizontal	31	1.78	-	27.64	3.19	-
PK	2.4234G	117.64	Inf	-Inf	86.72	3	Horizontal	31	1.78	-	27.70	3.22	-
AV	2.4258G	105.99	Inf	-Inf	75.06	3	Horizontal	31	1.78	-	27.70	3.23	-

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

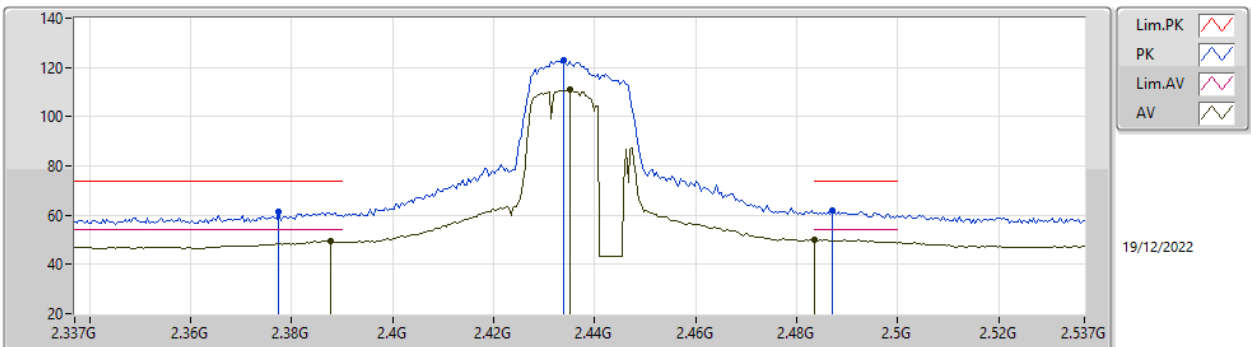
2437MHz_TX



EUT_Y_4TX
Setting 100
04-D-R-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	66.05	74.00	-7.95	35.22	3	Vertical	337	1.80	-	27.64	3.19	-
AV	2.3886G	53.88	54.00	-0.12	23.06	3	Vertical	337	1.80	-	27.63	3.19	-
PK	2.431G	124.92	Inf	-Inf	93.99	3	Vertical	337	1.80	-	27.70	3.23	-
AV	2.4326G	113.49	Inf	-Inf	82.56	3	Vertical	337	1.80	-	27.70	3.23	-
PK	2.4835G	64.78	74.00	-9.22	33.67	3	Vertical	337	1.80	-	27.83	3.28	-
AV	2.4842G	53.42	54.00	-0.58	22.30	3	Vertical	337	1.80	-	27.84	3.28	-

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

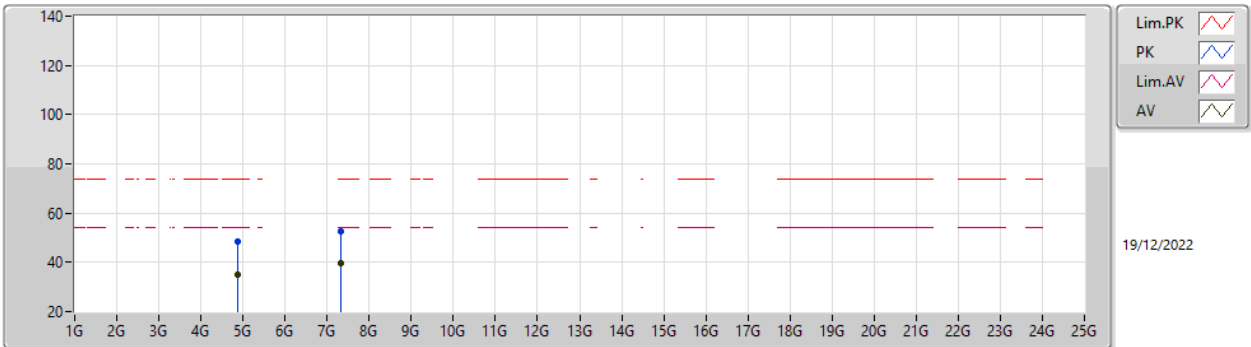


EUT Y_4TX
Setting 100
04-D-R-5

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	2.3774G	61.17	74.00	-12.83	30.42	3	Horizontal	150	2.09	-	27.56	3.19	-
AV	2.3878G	49.48	54.00	-4.52	18.66	3	Horizontal	150	2.09	-	27.63	3.19	-
PK	2.4338G	122.77	Inf	-Inf	91.84	3	Horizontal	150	2.09	-	27.70	3.23	-
AV	2.435G	110.86	Inf	-Inf	79.92	3	Horizontal	150	2.09	-	27.70	3.24	-
PK	2.487G	62.06	74.00	-11.94	30.92	3	Horizontal	150	2.09	-	27.85	3.29	-
AV	2.4835G	50.01	54.00	-3.99	18.90	3	Horizontal	150	2.09	-	27.83	3.28	-

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

2437MHz_TX

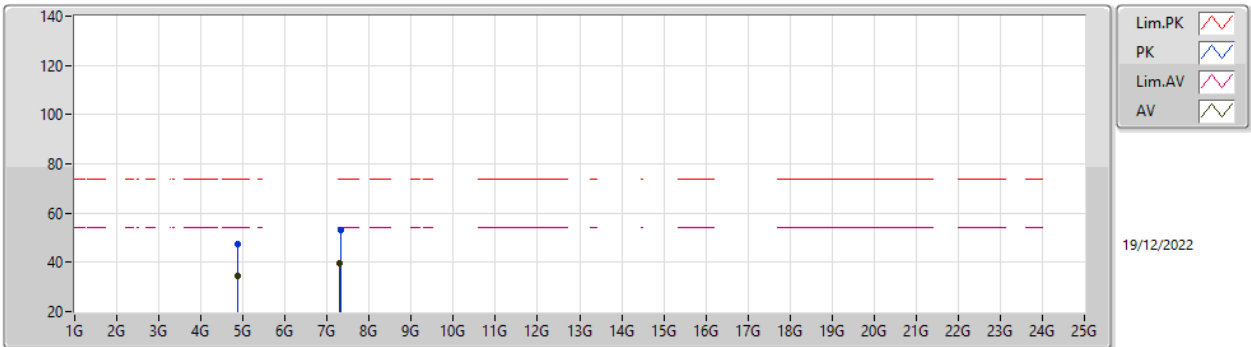


EUT_Y_4TX
Setting 100
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8676G	48.36	74.00	-25.64	42.95	3	Vertical	140	2.40	-	32.74	5.30	32.63
AV	4.87032G	34.91	54.00	-19.09	29.50	3	Vertical	140	2.40	-	32.74	5.30	32.63
PK	7.31728G	52.77	74.00	-21.23	41.37	3	Vertical	77	1.80	-	37.70	6.92	33.22
AV	7.31236G	39.73	54.00	-14.27	28.34	3	Vertical	77	1.80	-	37.70	6.91	33.22

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

2437MHz_TX

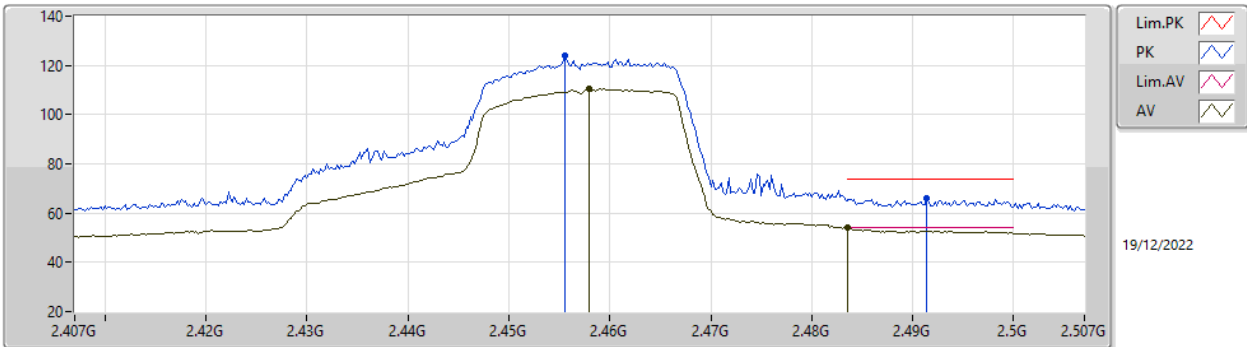


EUT Y_4TX
Setting 100
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8652G	47.57	74.00	-26.43	42.17	3	Horizontal	129	1.86	-	32.73	5.30	32.63
AV	4.87472G	34.74	54.00	-19.26	29.32	3	Horizontal	129	1.86	-	32.75	5.30	32.63
PK	7.31592G	53.31	74.00	-20.69	41.91	3	Horizontal	360	2.60	-	37.70	6.92	33.22
AV	7.30584G	39.70	54.00	-14.30	28.30	3	Horizontal	360	2.60	-	37.70	6.91	33.21

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

2457MHz_TX

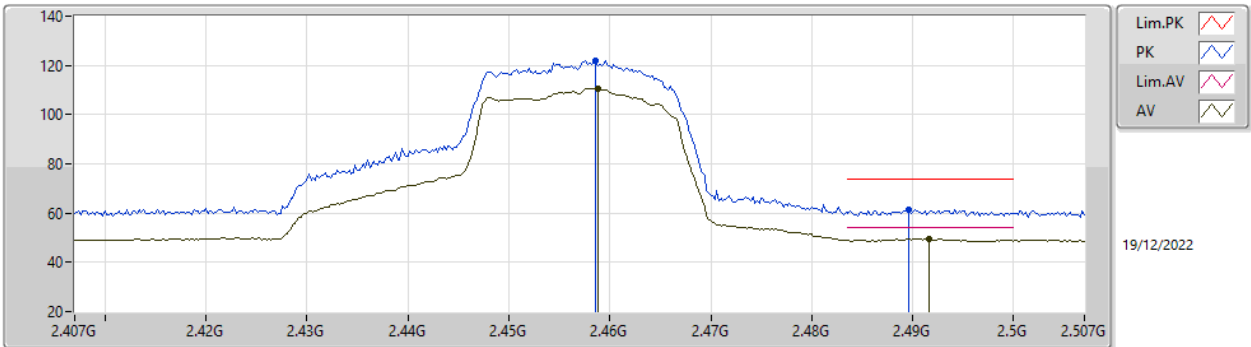


EUT_Y_4TX
Setting 94
04-D-R-5

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	2.4556G	124.02	Inf	-Inf	93.04	3	Vertical	337	1.03	-	27.72	3.26	-
AV	2.458G	110.77	Inf	-Inf	79.78	3	Vertical	337	1.03	-	27.73	3.26	-
PK	2.4914G	66.19	74.00	-7.81	35.03	3	Vertical	337	1.03	-	27.87	3.29	-
AV	2.4835G	53.98	54.00	-0.02	22.87	3	Vertical	337	1.03	-	27.83	3.28	-

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

2457MHz_TX

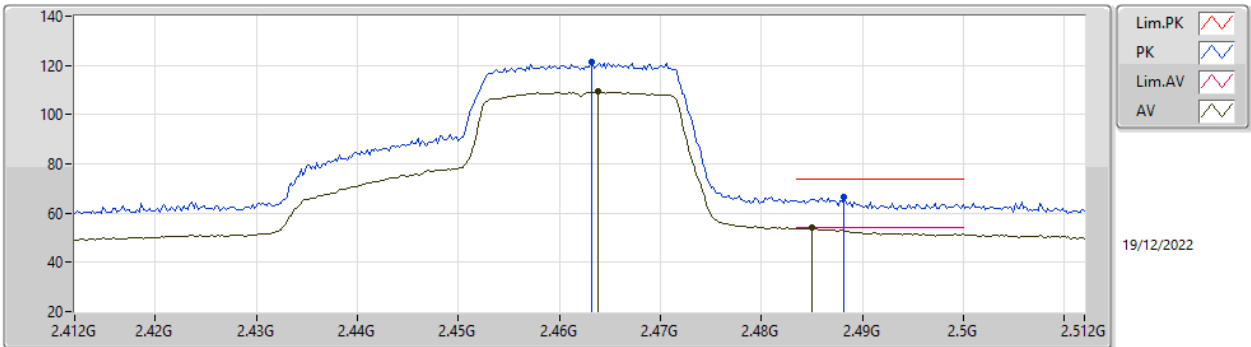


EUT Y_4TX
Setting 94
04-D-R-5

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	2.4586G	122.03	Inf	-Inf	91.04	3	Horizontal	154	2.46	-	27.73	3.26	-
AV	2.4588G	110.50	Inf	-Inf	79.50	3	Horizontal	154	2.46	-	27.74	3.26	-
PK	2.4896G	61.39	74.00	-12.61	30.24	3	Horizontal	154	2.46	-	27.86	3.29	-
AV	2.4916G	49.62	54.00	-4.38	18.46	3	Horizontal	154	2.46	-	27.87	3.29	-

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

2462MHz_TX

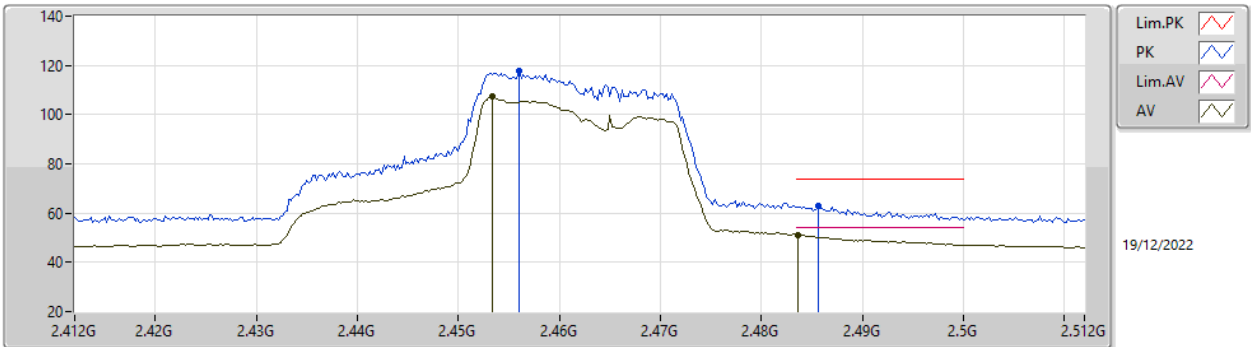


EUT Y_4TX
Setting 85
04-D-R-5

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	2.4632G	121.29	Inf	-Inf	90.28	3	Vertical	-0	2.14	-	27.75	3.26	-
AV	2.4638G	109.29	Inf	-Inf	78.27	3	Vertical	-0	2.14	-	27.76	3.26	-
PK	2.4882G	66.75	74.00	-7.25	35.61	3	Vertical	-0	2.14	-	27.85	3.29	-
AV	2.485G	53.88	54.00	-0.12	22.75	3	Vertical	-0	2.14	-	27.84	3.29	-

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

2462MHz_TX

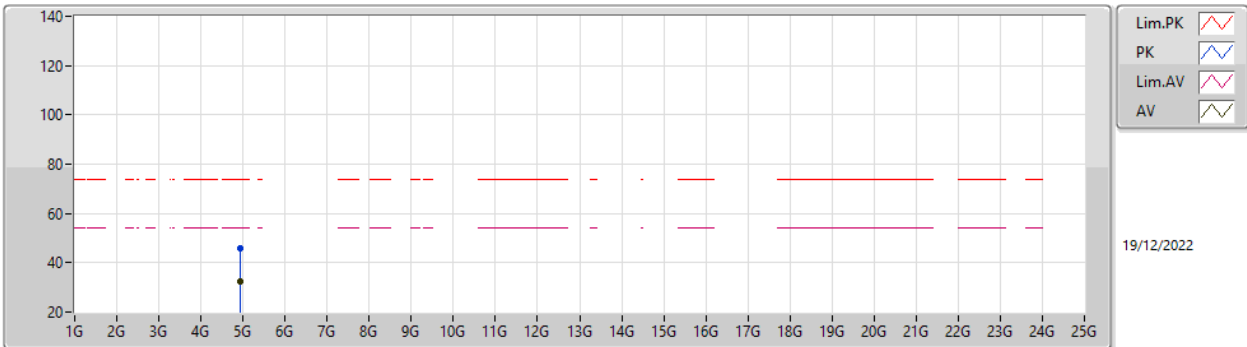


EUT_Y_4TX
Setting 85
04-D-R-5

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	2.456G	117.83	Inf	-Inf	86.85	3	Horizontal	149	1.77	-	27.72	3.26	-
AV	2.4534G	107.41	Inf	-Inf	76.45	3	Horizontal	149	1.77	-	27.71	3.25	-
PK	2.4856G	62.79	74.00	-11.21	31.66	3	Horizontal	149	1.77	-	27.84	3.29	-
AV	2.4836G	51.07	54.00	-2.93	19.96	3	Horizontal	149	1.77	-	27.83	3.28	-

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

2462MHz_TX

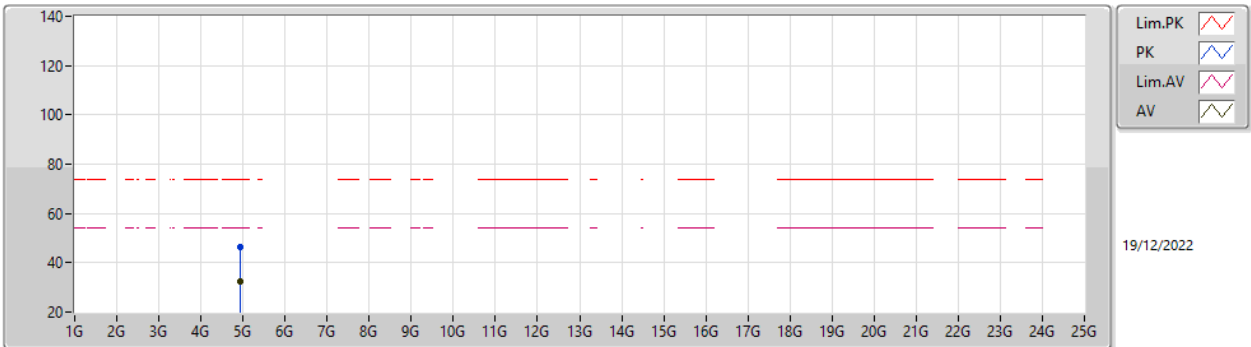


EUT Y_4TX
Setting 85
04-D-R-5

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	4.92178G	45.74	74.00	-28.26	40.20	3	Vertical	277	2.82	-	32.84	5.30	32.60	
AV	4.92812G	32.65	54.00	-21.35	27.09	3	Vertical	277	2.82	-	32.86	5.30	32.60	

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

2462MHz_TX

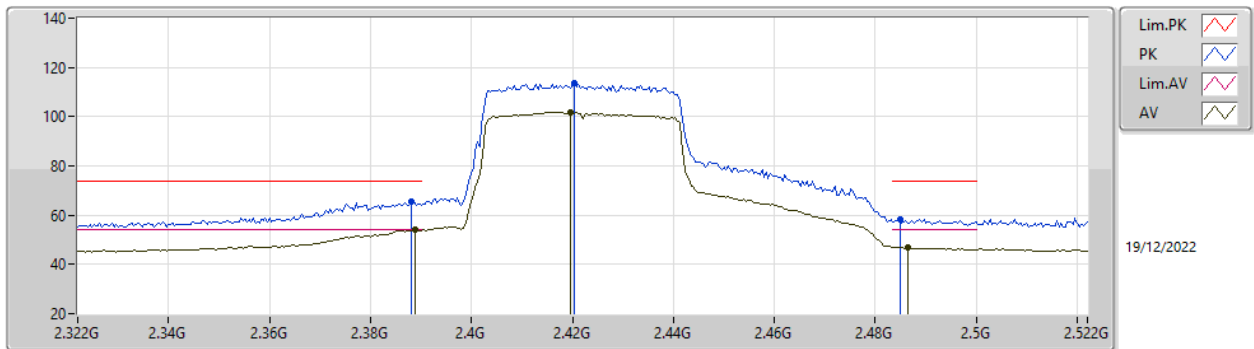


EUT Y_4TX
Setting 85
04-D-R-5

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	4.92268G	46.22	74.00	-27.78	40.67	3	Horizontal	66	2.89	-	32.85	5.30	32.60
AV	4.92864G	32.67	54.00	-21.33	27.11	3	Horizontal	66	2.89	-	32.86	5.30	32.60

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

2422MHz_TX

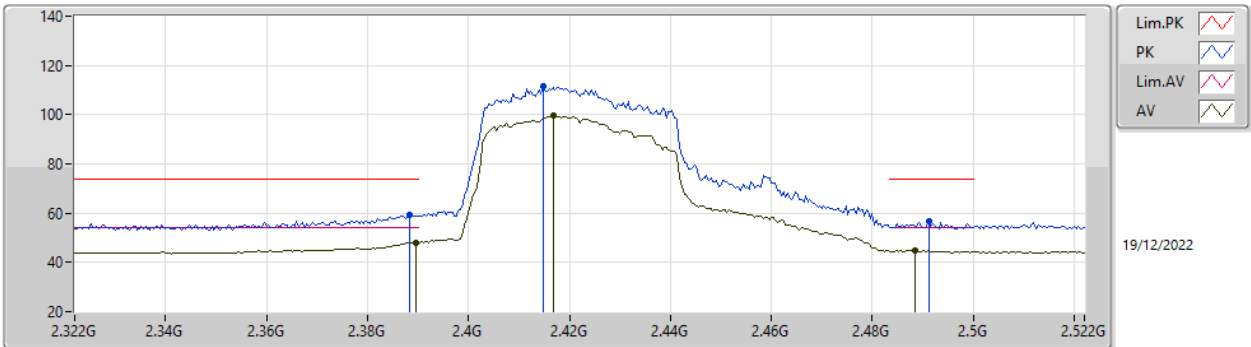


EUT Y_4TX
Setting 57
04-D-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.388G	65.34	74.00	-8.66	34.52	3	Vertical	344	1.82	-	27.63	3.19	-
AV	2.388G	53.94	54.00	-0.06	23.12	3	Vertical	344	1.82	-	27.63	3.19	-
PK	2.420G	113.59	Inf	-Inf	82.67	3	Vertical	344	1.82	-	27.70	3.22	-
AV	2.419G	101.84	Inf	-Inf	70.92	3	Vertical	344	1.82	-	27.70	3.22	-
PK	2.484G	58.18	74.00	-15.82	27.06	3	Vertical	344	1.82	-	27.84	3.28	-
AV	2.486G	46.82	54.00	-7.18	15.68	3	Vertical	344	1.82	-	27.85	3.29	-

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

2422MHz_TX

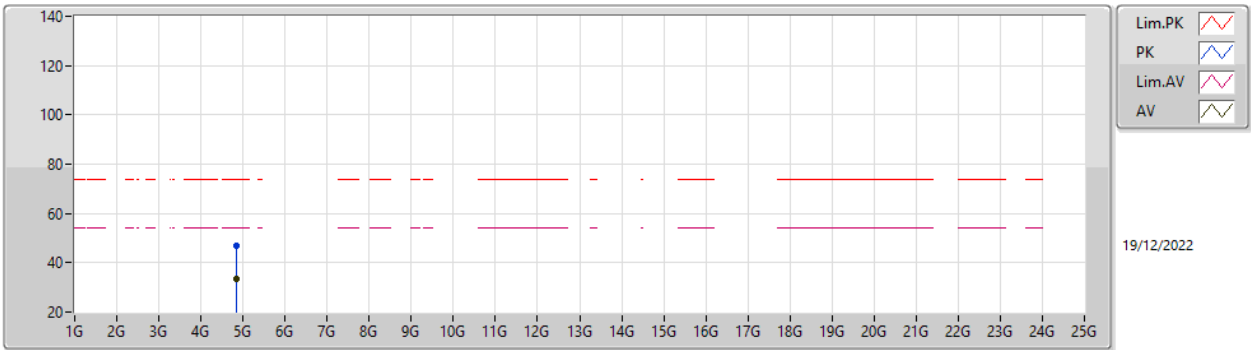


EUT Y_4TX
Setting 57
04-D-R-5

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	59.37	74.00	-14.63	28.55	3	Horizontal	34	1.54	-	27.63	3.19	-
AV	2.3896G	48.09	54.00	-5.91	17.26	3	Horizontal	34	1.54	-	27.64	3.19	-
PK	2.4148G	111.51	Inf	-Inf	80.60	3	Horizontal	34	1.54	-	27.70	3.21	-
AV	2.4168G	99.51	Inf	-Inf	68.59	3	Horizontal	34	1.54	-	27.70	3.22	-
PK	2.4912G	56.59	74.00	-17.41	25.44	3	Horizontal	34	1.54	-	27.86	3.29	-
AV	2.4884G	44.69	54.00	-9.31	13.55	3	Horizontal	34	1.54	-	27.85	3.29	-

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

2422MHz_TX

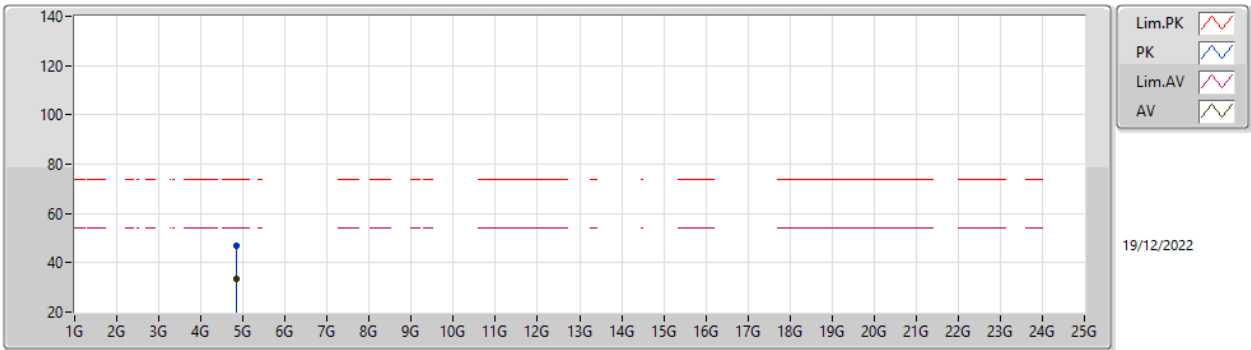


EUT Y_4TX
Setting 57
04-D-R-5

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	4.8414G	47.01	74.00	-26.99	41.67	3	Vertical	291	1.53	-	32.68	5.30	32.64
AV	4.84566G	33.48	54.00	-20.52	28.13	3	Vertical	291	1.53	-	32.69	5.30	32.64

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

2422MHz_TX

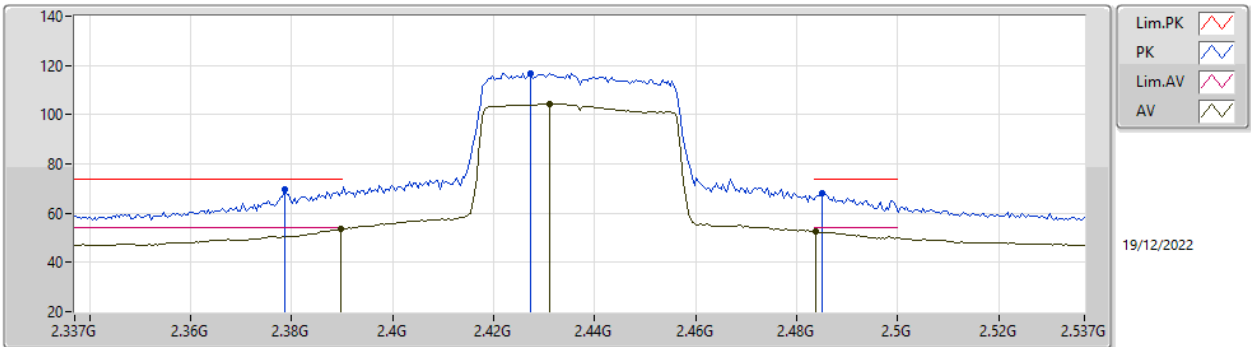


EUT Y_4TX
Setting 57
04-D-R-5

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	4.84312G	46.64	74.00	-27.36	41.29	3	Horizontal	44	1.78	-	32.69	5.30	32.64
AV	4.84326G	33.43	54.00	-20.57	28.08	3	Horizontal	44	1.78	-	32.69	5.30	32.64

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

2437MHz_TX

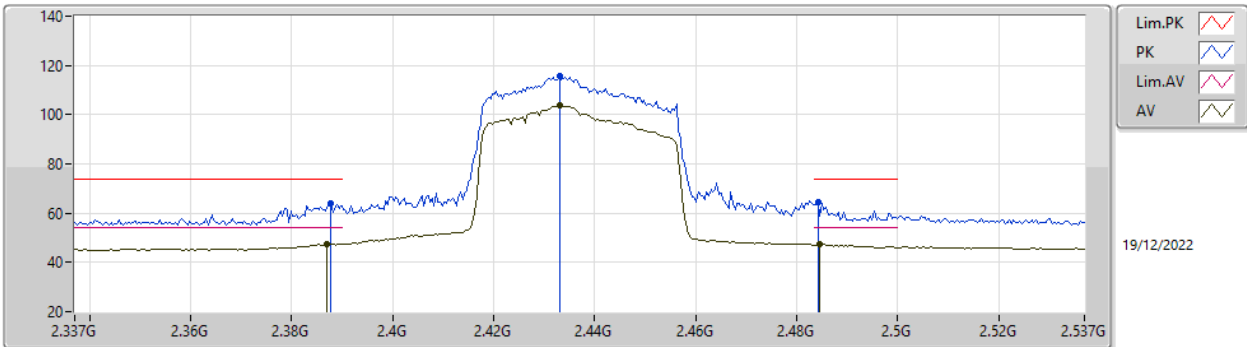


EUT Y_4TX
Setting 68
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3786G	69.89	74.00	-4.11	39.13	3	Vertical	0	1.82	-	27.57	3.19	-
AV	2.3898G	53.76	54.00	-0.24	22.93	3	Vertical	0	1.82	-	27.64	3.19	-
PK	2.4274G	116.85	Inf	-Inf	85.92	3	Vertical	0	1.82	-	27.70	3.23	-
AV	2.431G	104.46	Inf	-Inf	73.53	3	Vertical	0	1.82	-	27.70	3.23	-
PK	2.485G	68.03	74.00	-5.97	36.90	3	Vertical	0	1.82	-	27.84	3.29	-
AV	2.4838G	52.49	54.00	-1.51	21.37	3	Vertical	0	1.82	-	27.84	3.28	-

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

2437MHz_TX

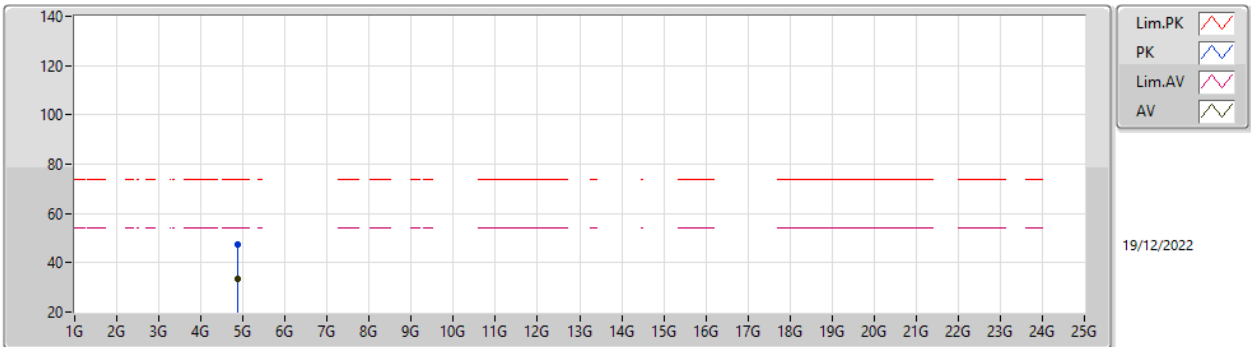


EUT Y_4TX
Setting 68
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	64.01	74.00	-9.99	33.19	3	Horizontal	154	2.12	-	27.63	3.19	-
AV	2.387G	47.41	54.00	-6.59	16.60	3	Horizontal	154	2.12	-	27.62	3.19	-
PK	2.433G	115.66	Inf	-Inf	84.73	3	Horizontal	154	2.12	-	27.70	3.23	-
AV	2.433G	103.57	Inf	-Inf	72.64	3	Horizontal	154	2.12	-	27.70	3.23	-
PK	2.4842G	64.33	74.00	-9.67	33.21	3	Horizontal	154	2.12	-	27.84	3.28	-
AV	2.4846G	47.45	54.00	-6.55	16.33	3	Horizontal	154	2.12	-	27.84	3.28	-

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

2437MHz_TX

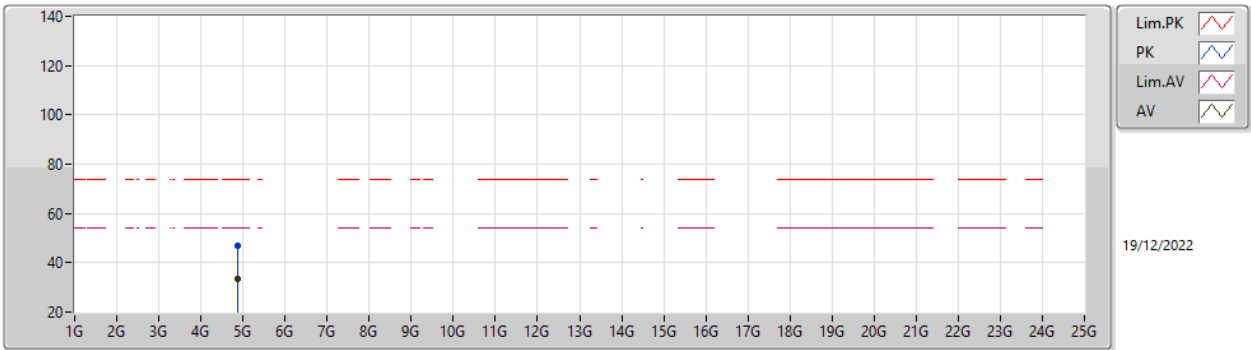


EUT Y_4TX
Setting 68
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87422G	47.18	74.00	-26.82	41.76	3	Vertical	201	2.77	-	32.75	5.30	32.63
AV	4.87622G	33.57	54.00	-20.43	28.14	3	Vertical	201	2.77	-	32.75	5.30	32.62

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

2437MHz_TX

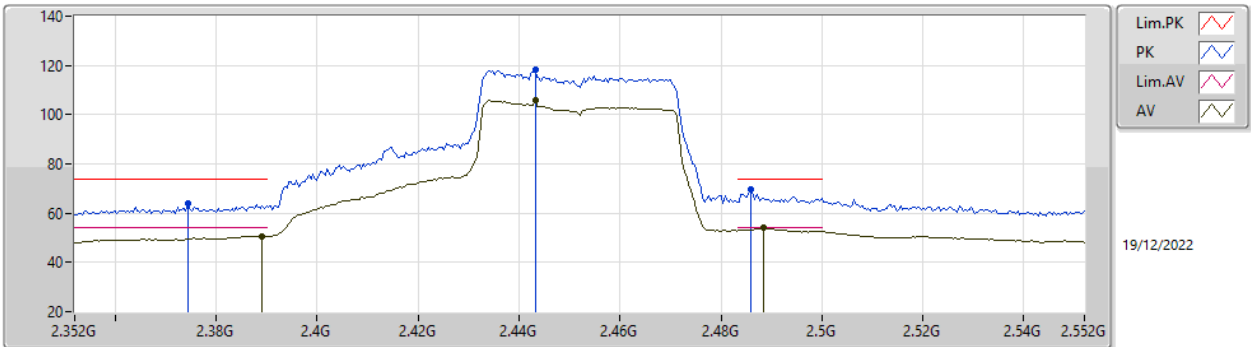


EUT Y_4TX
Setting 68
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87318G	46.79	74.00	-27.21	41.37	3	Horizontal	227	2.38	-	32.75	5.30	32.63	
AV	4.87812G	33.64	54.00	-20.36	28.20	3	Horizontal	227	2.38	-	32.76	5.30	32.62	

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

2452MHz_TX

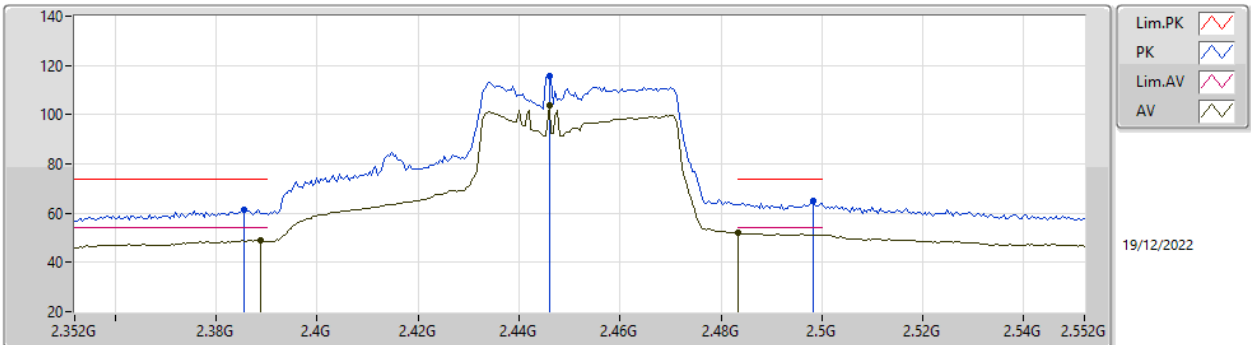


EUT Y_4TX
Setting 78
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3744G	63.84	74.00	-10.16	33.10	3	Vertical	1	1.80	-	27.55	3.19	-
AV	2.3892G	50.62	54.00	-3.38	19.79	3	Vertical	1	1.80	-	27.64	3.19	-
PK	2.4432G	118.18	Inf	-Inf	87.24	3	Vertical	1	1.80	-	27.70	3.24	-
AV	2.4432G	106.11	Inf	-Inf	75.17	3	Vertical	1	1.80	-	27.70	3.24	-
PK	2.486G	69.57	74.00	-4.43	38.44	3	Vertical	1	1.80	-	27.84	3.29	-
AV	2.4884G	53.93	54.00	-0.07	22.79	3	Vertical	1	1.80	-	27.85	3.29	-

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

2452MHz_TX

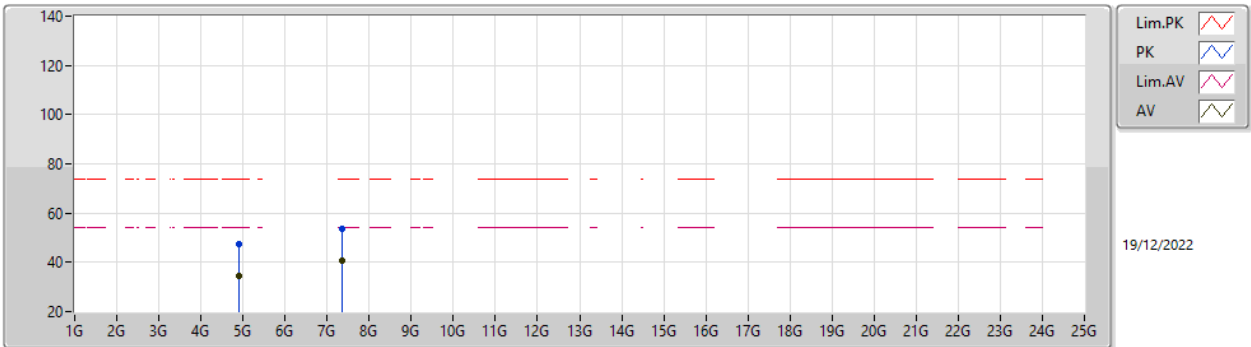


EUT Y_4TX
Setting 78
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3856G	61.46	74.00	-12.54	30.66	3	Horizontal	206	2.71	-	27.61	3.19	-
AV	2.3888G	48.96	54.00	-5.04	18.14	3	Horizontal	206	2.71	-	27.63	3.19	-
PK	2.446G	115.71	Inf	-Inf	84.76	3	Horizontal	206	2.71	-	27.70	3.25	-
AV	2.446G	103.72	Inf	-Inf	72.77	3	Horizontal	206	2.71	-	27.70	3.25	-
PK	2.4984G	65.08	74.00	-8.92	33.89	3	Horizontal	206	2.71	-	27.89	3.30	-
AV	2.4835G	51.90	54.00	-2.10	20.79	3	Horizontal	206	2.71	-	27.83	3.28	-

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

2452MHz_TX

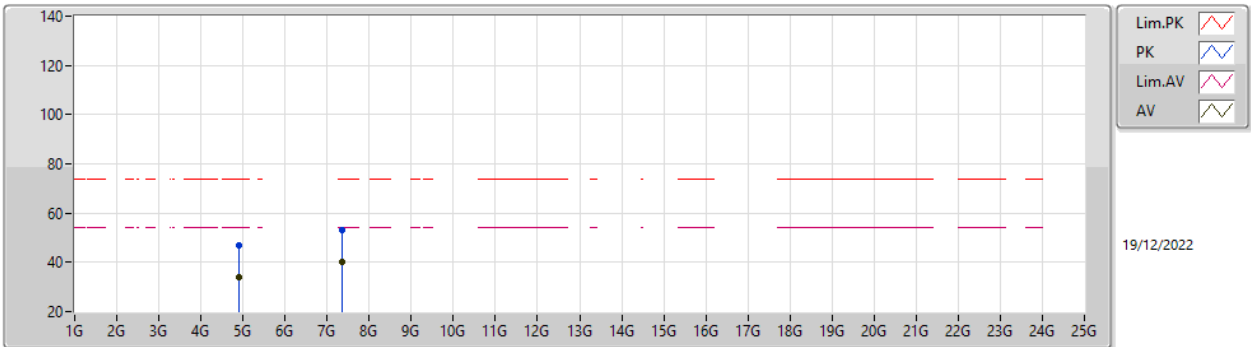


EUT Y_4TX
Setting 78
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90308G	47.56	74.00	-26.44	42.06	3	Vertical	172	1.80	-	32.81	5.30	32.61
AV	4.90424G	34.46	54.00	-19.54	28.96	3	Vertical	172	1.80	-	32.81	5.30	32.61
PK	7.36504G	53.71	74.00	-20.29	42.33	3	Vertical	98	1.00	-	37.64	6.97	33.23
AV	7.3652G	40.60	54.00	-13.40	29.22	3	Vertical	98	1.00	-	37.64	6.97	33.23

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

2452MHz_TX



EUT_Y_4TX
Setting 78
04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.91172G	46.89	74.00	-27.11	41.38	3	Horizontal	72	1.78	-	32.82	5.30	32.61
AV	4.89692G	34.02	54.00	-19.98	28.54	3	Horizontal	72	1.78	-	32.79	5.30	32.61
PK	7.34604G	53.21	74.00	-20.79	41.79	3	Horizontal	93	1.24	-	37.70	6.95	33.23
AV	7.36476G	40.32	54.00	-13.68	28.95	3	Horizontal	93	1.24	-	37.64	6.96	33.23



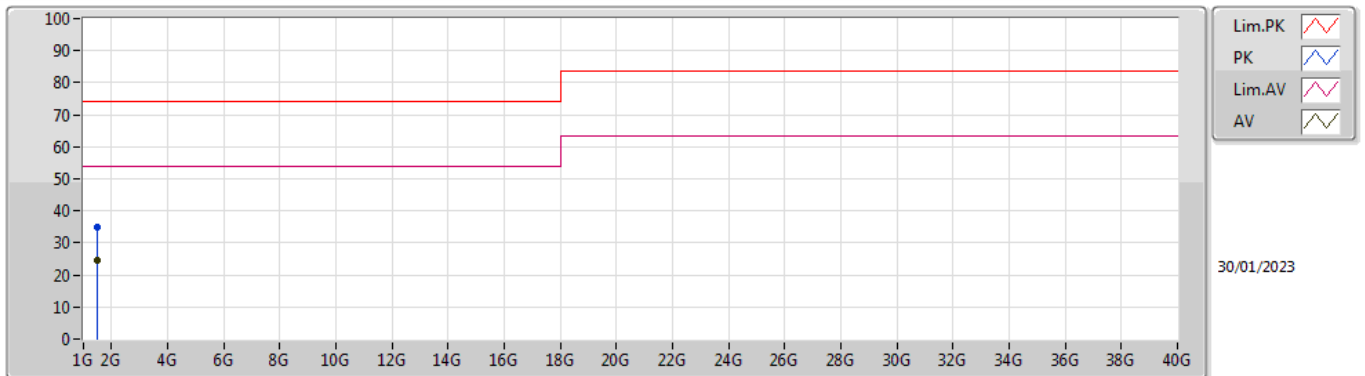
Radiated Emissions above 1GHz

Appendix G

Summary

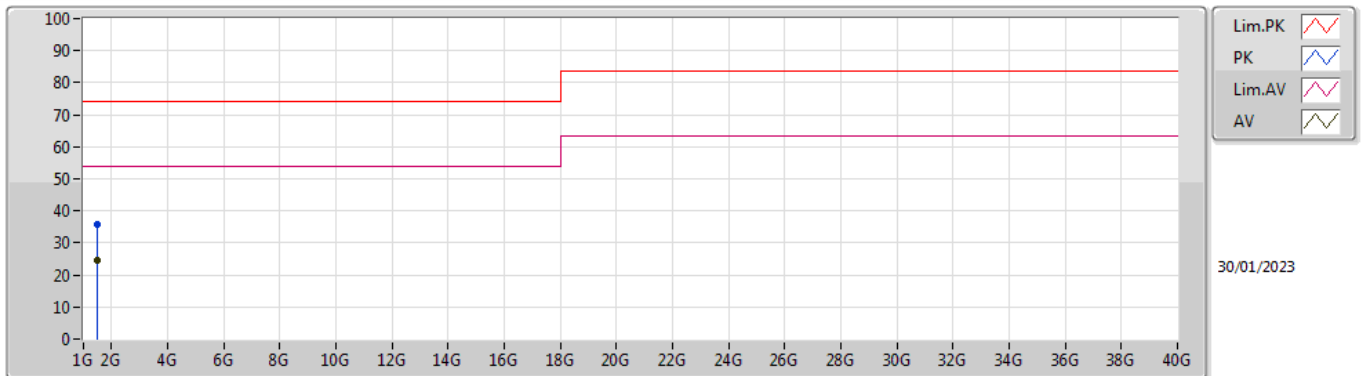
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.49982G	24.46	54.00	-29.54	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.49472G	35.09	74.00	-38.91	-7.37	3	Vertical	184	2.00	-	42.46	25.62	3.44	36.43
AV	1.49982G	24.46	54.00	-29.54	-7.38	3	Vertical	184	2.00	"Worst"	31.84	25.60	3.45	36.43

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.49988G	35.67	74.00	-38.33	-7.38	3	Horizontal	306	2.50	-	43.05	25.60	3.45	36.43
AV	1.49966G	24.46	54.00	-29.54	-7.38	3	Horizontal	306	2.50	"Worst"	31.84	25.60	3.45	36.43