

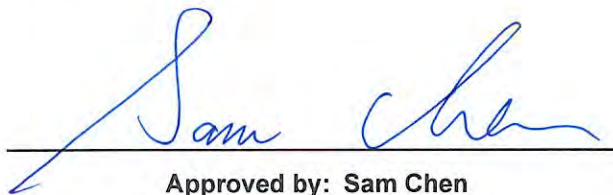


RADIO TEST REPORT

FCC ID : RAXCR1000B
Equipment : Verizon Router
Brand Name : Verizon
Model Name : CR1000B
Applicant : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 14, 2021, and testing was started from Dec. 14, 2021 and completed on Jun. 07, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.


Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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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 : Jul. 21, 2022
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: Penny Kao**

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	802.11ax 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	802.11ax 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	P/N	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz					
		UNII1~3	DFS UNII2A~2C						
1	1	4	-	-	Arcadyan	120800098100J	PCB Antenna	I-PEX	Note1
2	2	3	-	-	Arcadyan	120800098200J	PCB Antenna	I-PEX	
3	3	2	-	-	Arcadyan	120800098300J	PCB Antenna	I-PEX	
4	4	1	-	-	Arcadyan	120800098400J	PCB Antenna	I-PEX	
5	-	-	-	1	Arcadyan	120800098700J	PCB Antenna	I-PEX	
6	-	-	-	2	Arcadyan	120800098800J	PCB Antenna	I-PEX	
7	-	-	-	3	Arcadyan	120800098500J	PCB Antenna	I-PEX	
8	-	-	-	4	Arcadyan	120800098600J	PCB Antenna	I-PEX	
9	-	-	1	-	Arcadyan	120800104000J	PCB Antenna	I-PEX	

Note1:

<Antenna Gain>

Ant.	Port				Gain (dBi)							
	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz				
		UNII1~3	DFS UNII2A~2C			UNII1~3	DFS UNII2A~2C	UNII 5	UNII 6	UNII 7	UNII 8	
1	1	4	-	-	1.8	2.6	-	-	-	-	-	
2	2	3	-	-	3.2	2.3	-	-	-	-	-	
3	3	2	-	-	2.8	3.5	-	-	-	-	-	
4	4	1	-	-	3.8	2.5	-	-	-	-	-	
5	-	-	-	1	-	-	-	4.18	3.86	2.19	3.24	
6	-	-	-	2	-	-	-	4.96	4.19	3.17	3.19	
7	-	-	-	3	-	-	-	3.47	3.24	3.40	3.06	
8	-	-	-	4	-	-	-	4.13	3.66	2.47	2.73	
9	-	-	1	-	-	-	3.8	-	-	-	-	

<For WLAN 6GHz Directional Gain>

Directional Gain (dBi)				
Item	WLAN 6GHz UNII 5	WLAN 6GHz UNII 6	WLAN 6GHz UNII 7	WLAN 6GHz UNII 8
4T1S	5.46	5.09	5.36	4.97

Note2: The above information (excepting WLAN 6GHz antenna gain) was declared by manufacturer.

Note3: WLAN 6GHz directional gain is measured which follows the procedure of KDB 662911 D03.

The antenna report is provided in the operational description for this application.

Note4: The antenna 9 which has the receiving function only is used for zero wait or interference detection.

Note5: The EUT has nine antennas.

<WLAN 2.4GHz function>

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

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

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

<WLAN 5GHz function>

UNII1~3

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

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

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

UNII 2A~2C DFS Band

Only Port 1 can receive

<WLAN 6GHz function>
For IEEE 802.11ax mode (4TX/4RX)

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

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

Note6:
<For WLAN 2.4GHz and WLAN 5GHz Directional Gain>

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ant}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ant}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ant}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ant}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

G1 = Ant 1 Gain ; G2 = Ant 2 Gain ; G3 = Ant 3 Gain ; G4 = Ant 4 Gain ;

2.4GHz DG = 8.95 dBi

5 GHz U-NII-1 DG = 8.76 dBi

5 GHz U-NII-2A DG = 8.76 dBi

5 GHz U-NII-2C DG = 8.76 dBi

5 GHz U-NII-3 DG = 8.76 dBi



1.1.3 Mode Test Duty Cycle

Non-beamforming mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.999	0.01	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

Beamforming mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40-BF	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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 ax in 2.4GHz, 11n/ac/ax in 5GHz and ax in 6GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	DUT GUI V610.59 / DOS V10.0.19043.1320 / Intel GUI(version 610.59)			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Information

External Type of EUT	Color of tick	Position of tick	Remark
1	Gray	In the middle of the case	The internal of the EUT is identical.
2	Red	The lower right of the case	

Note: The above information was declared by manufacturer.



1.1.6 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 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

1.2 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Owen Hsu	19.6~20.5 / 61~65	Feb. 25, 2022~ May 21, 2022
Radiated (CTX Below 1GHz and Co-location tests)	03CH03-CB	Kevin Huang	23.5-24.6 / 55-59	Dec. 14, 2021~ Mar. 14, 2022
Radiated (For other tests)	03CH06-CB	Kevin Huang	24.5-25.6 / 56-59	Dec. 14, 2021~ Mar. 14, 2022
AC Conduction	CO01-CB	Ryan Huang	20~22 / 56~58	Jun. 07, 2022

1.3 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)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Non-beamforming mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	24
2417MHz	24
2437MHz	24.5
2457MHz	24
2462MHz	23
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	22
2417MHz	23
2437MHz	25.5
2457MHz	23.5
2462MHz	21
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	21
2417MHz	22
2437MHz	26
2457MHz	22
2462MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	19.5
2437MHz	20
2452MHz	18.5

**Beamforming mode**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	53
2417MHz	54
2437MHz	54
2457MHz	54
2462MHz	52
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	48
2427MHz	51
2437MHz	54
2447MHz	51
2452MHz	50

Note:

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT_WLAN 2.4GHz + Adapter
2	EUT_WLAN 5GHz + Adapter
3	EUT_WLAN 6GHz + Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement above 1GHz test, and the worst case was found at X axis for WLAN 2.4GHz & WLAN 5GHz tests and Y axis for WLAN 6GHz test. So the measurement will follow this same test configuration.
	1 EUT in X axis_ WLAN 2.4GHz
	2 EUT in X axis_ WLAN 5GHz
	3 EUT in Y axis_ WLAN 6GHz
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position. The worst case as below:
	1 EUT in X axis (Bandedge)
	2 EUT in Y axis (Harmonic)

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA1D1668 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:

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 [ver 10.0.19043.1320].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter	LUCENT TRANS	1A98-1250-02	INPUT: 100-120V~1.6A, 50-60Hz OUTPUT: 12.0V, 5.0A, 60.0W
Others				
RJ-45 cable*1: Non-shielded, 2m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A

For Radiated (below 1GHz):

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

Non-beamforming mode

For Radiated (above 1GHz) and RF Conducted:

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

Beamforming mode

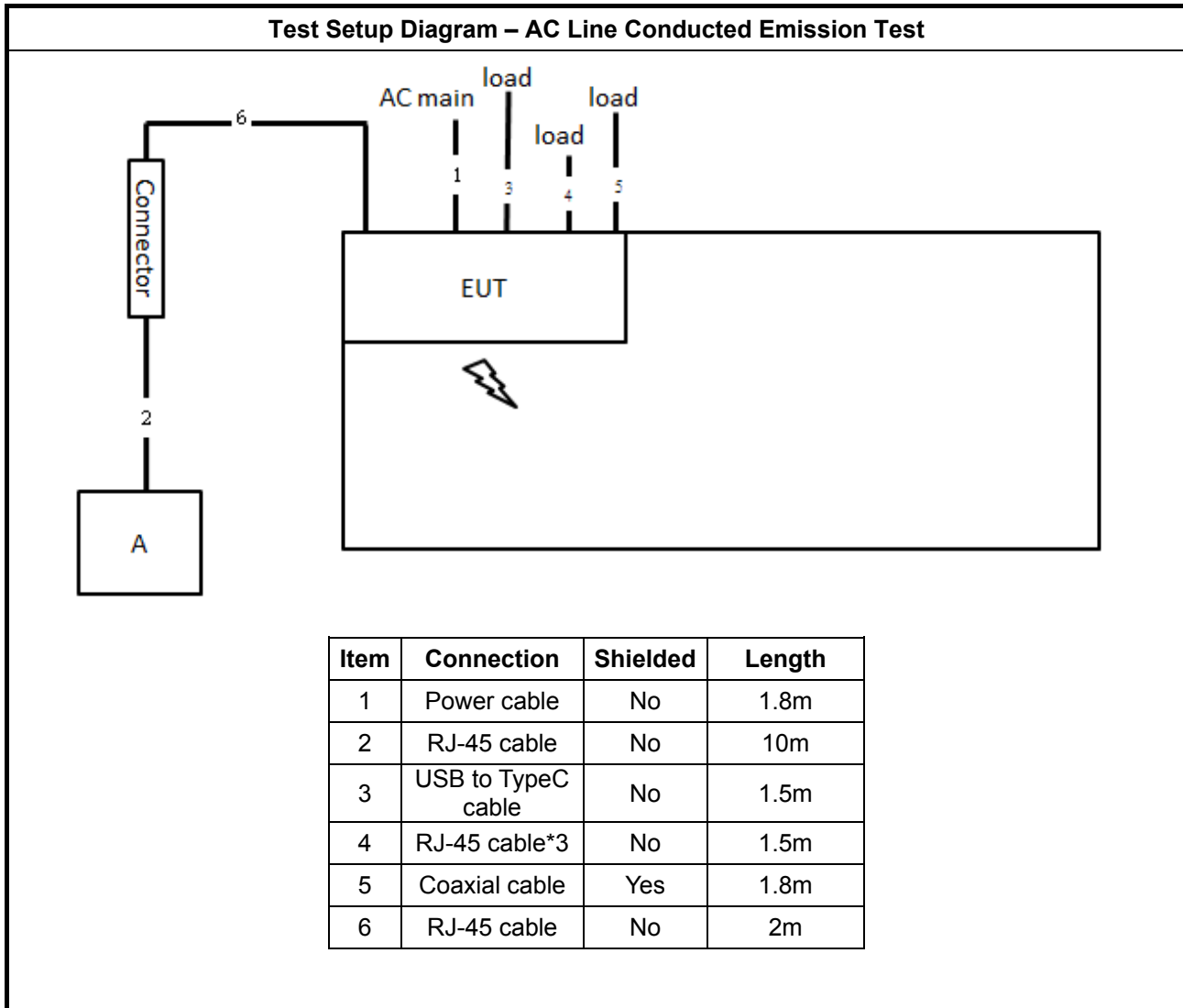
For Radiated (above 1GHz)

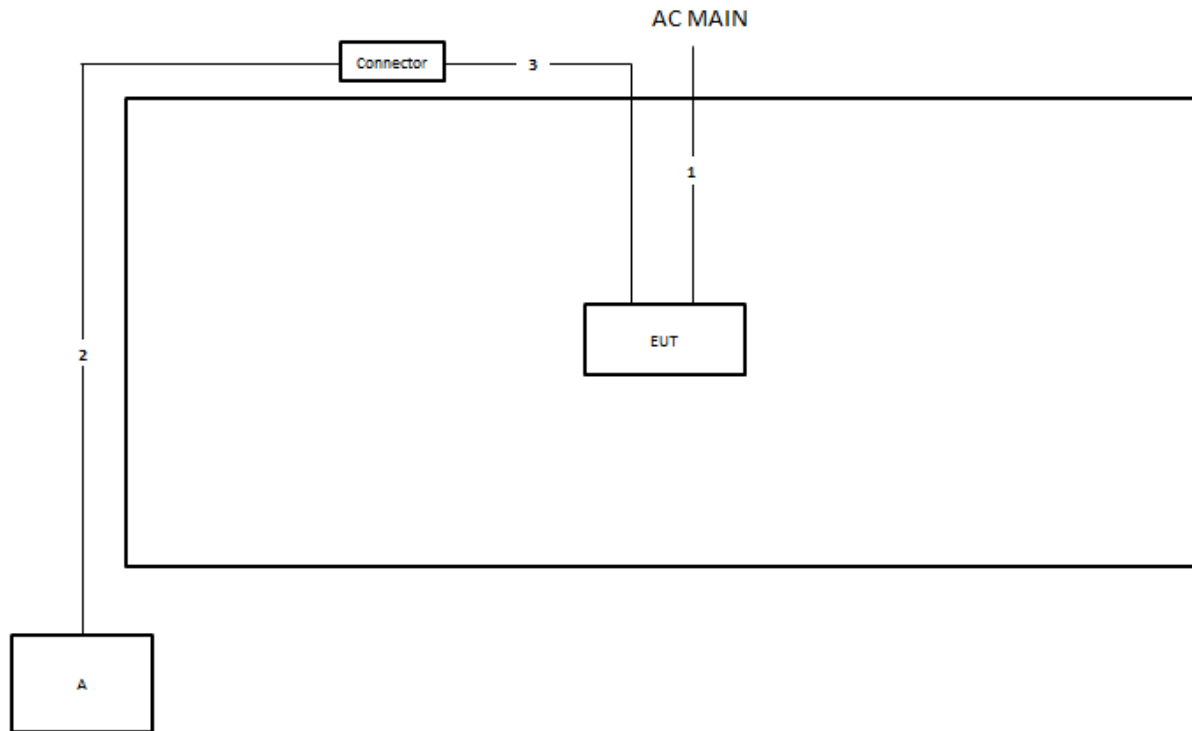
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	WLAN module	Intel	AX210NGW	PD9AX210NG
C	Notebook	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	Lenovo	L440	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG

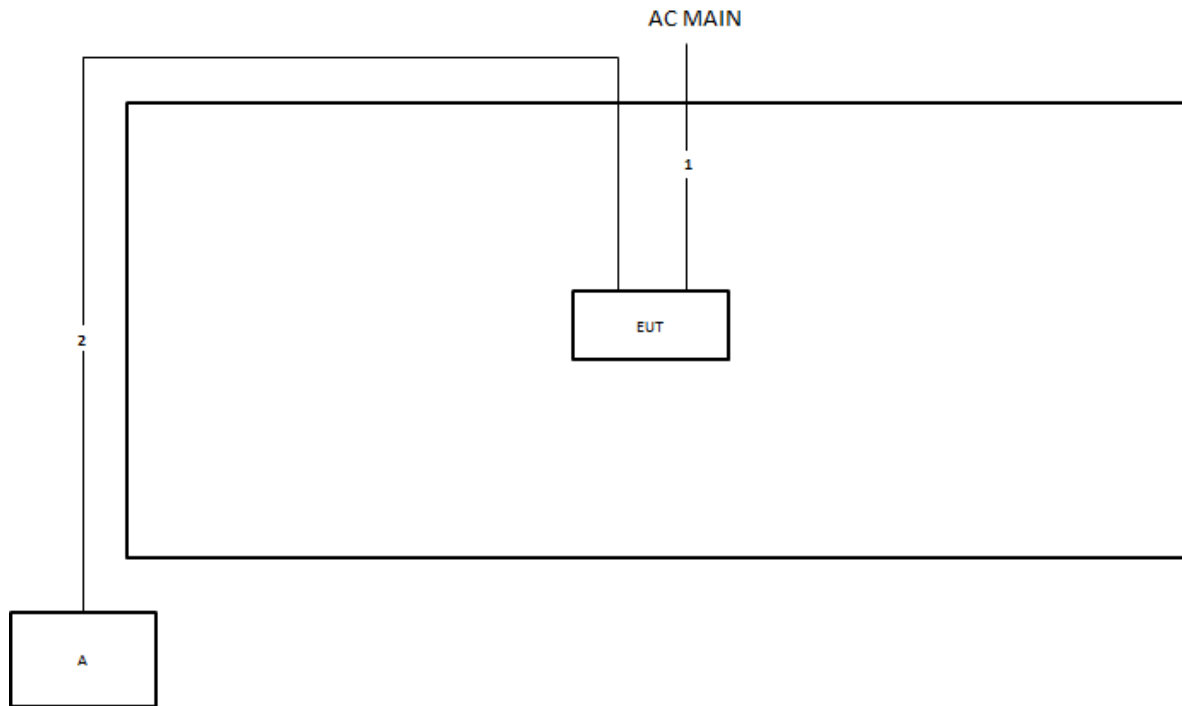
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


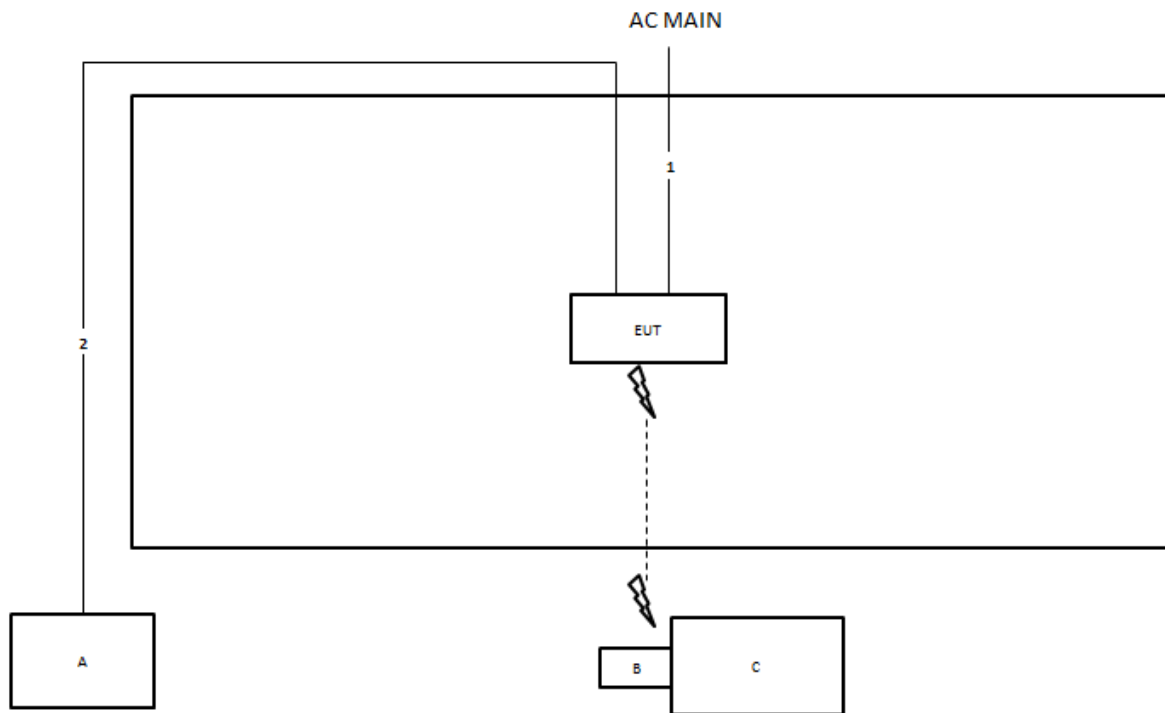
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	2m

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



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m

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



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

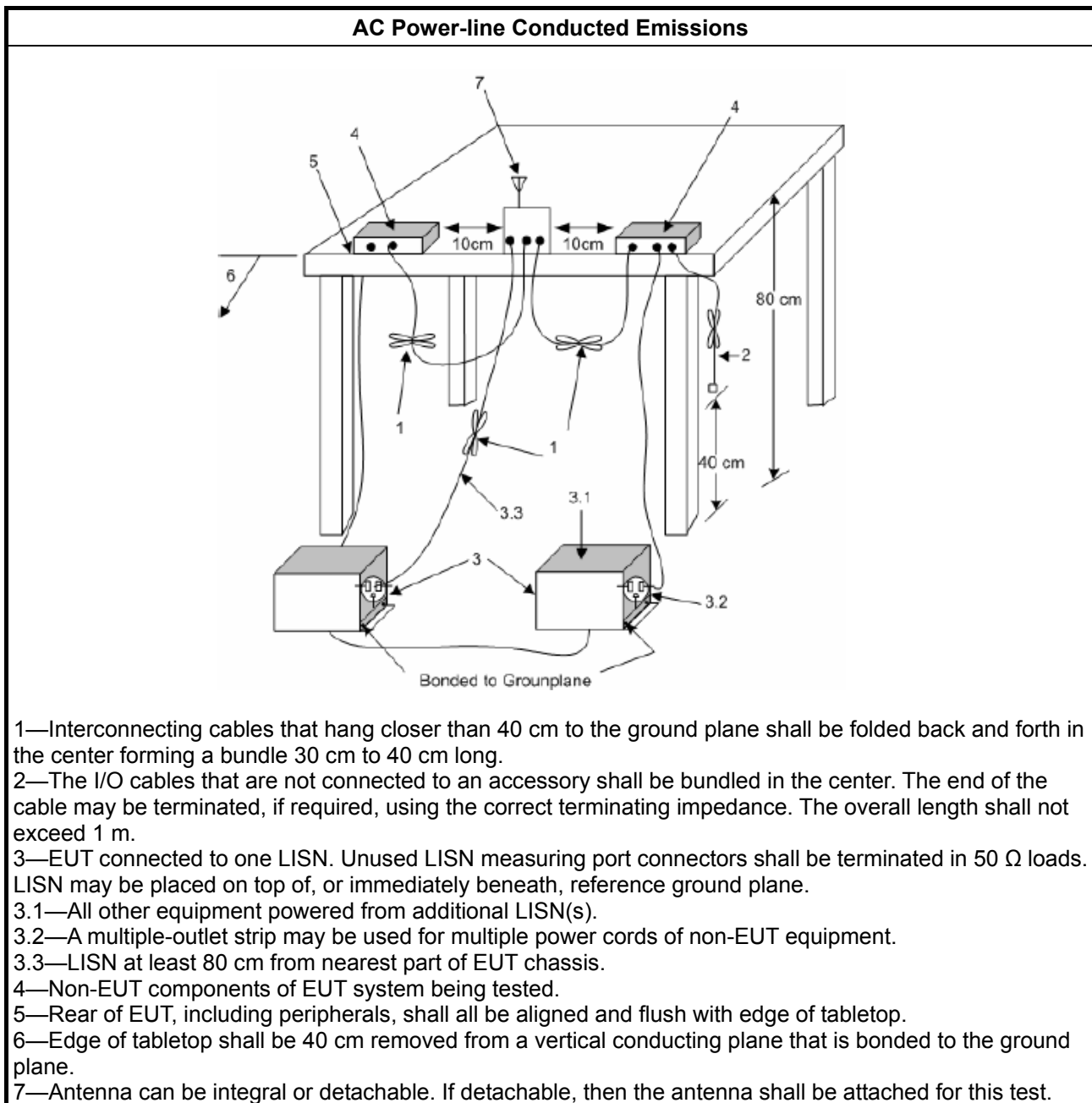
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

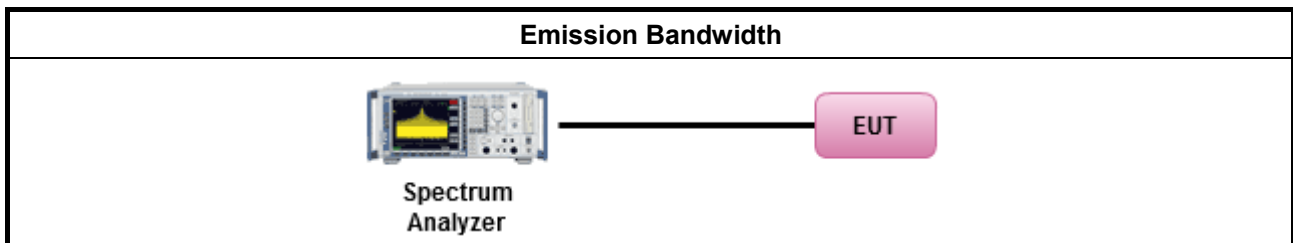
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

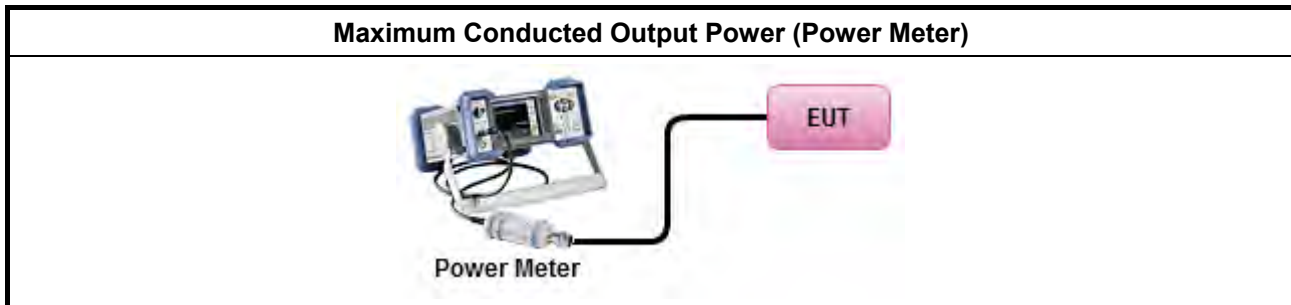
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

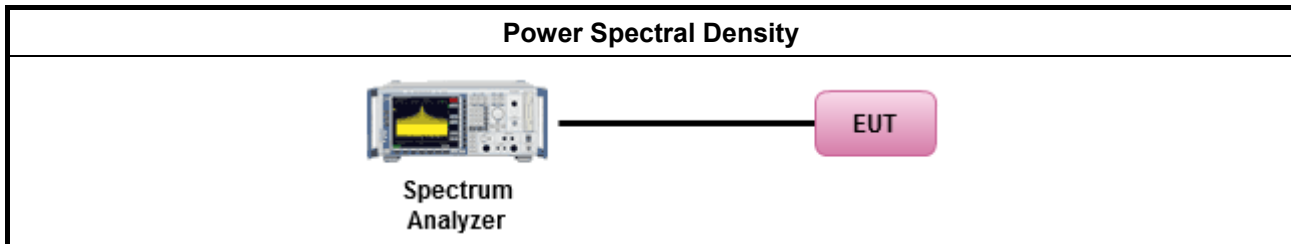
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

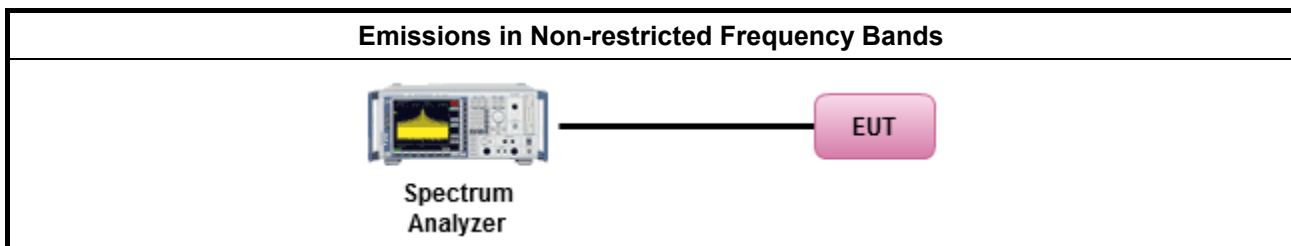
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

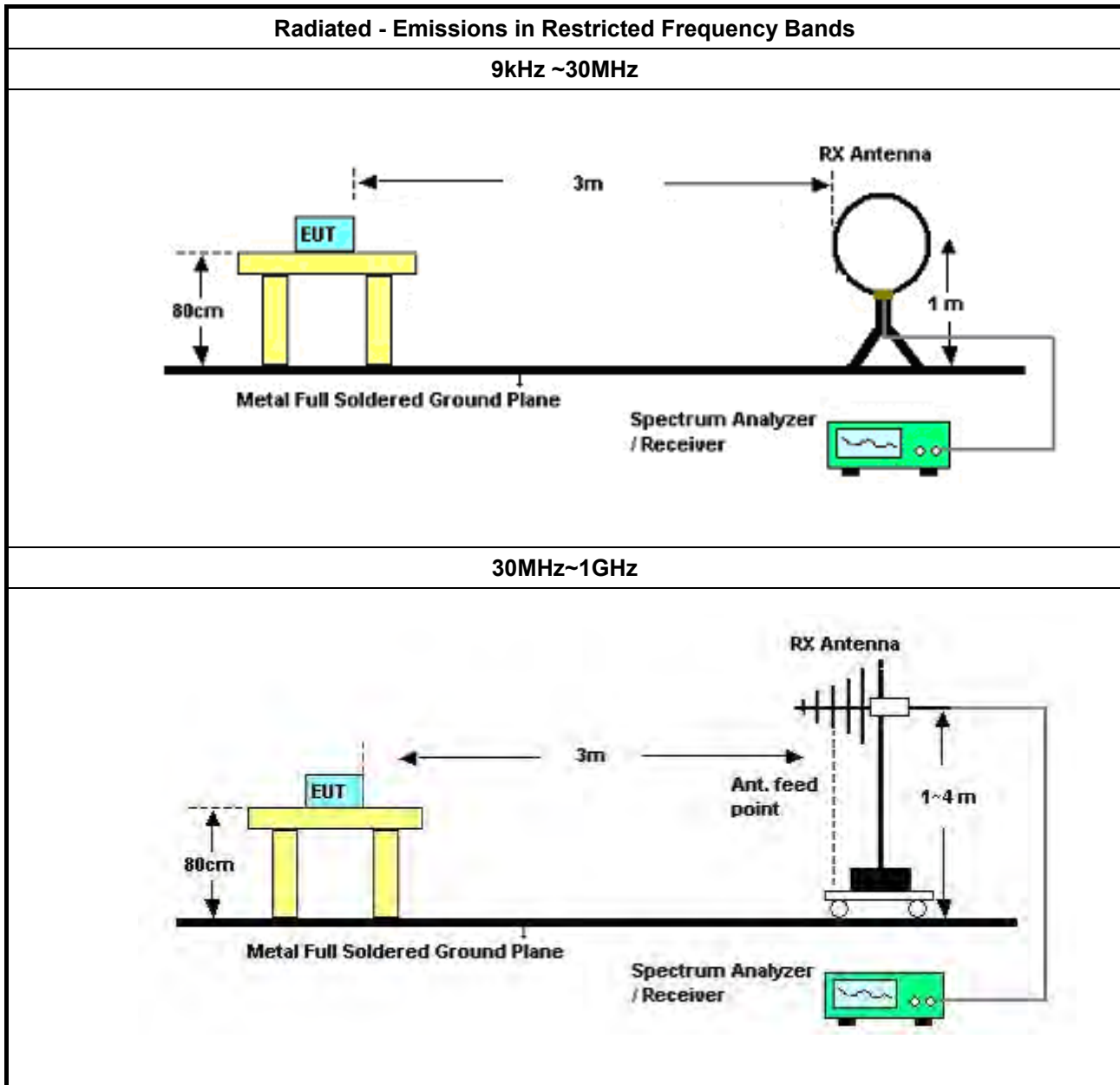
Refer a test equipment and calibration data table in this test report.

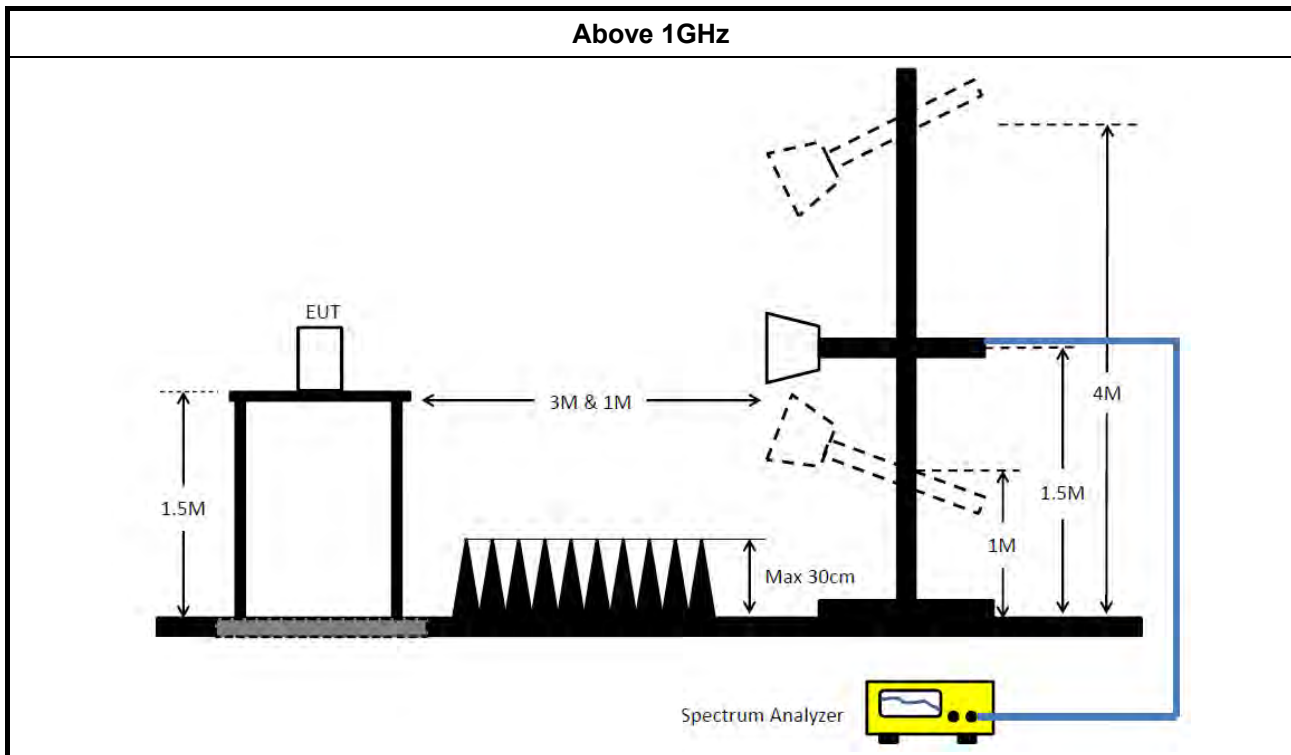


3.6.3 Test Procedures

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

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 18, 2022	May 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 27, 2021	Jan. 26, 2022	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 06, 2021	May 05, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 22, 2021	Feb. 21, 2022	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)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 11, 2021	Jan. 10, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	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	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 04, 2021	Aug. 03, 2022	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



Conducted Emissions at Powerline

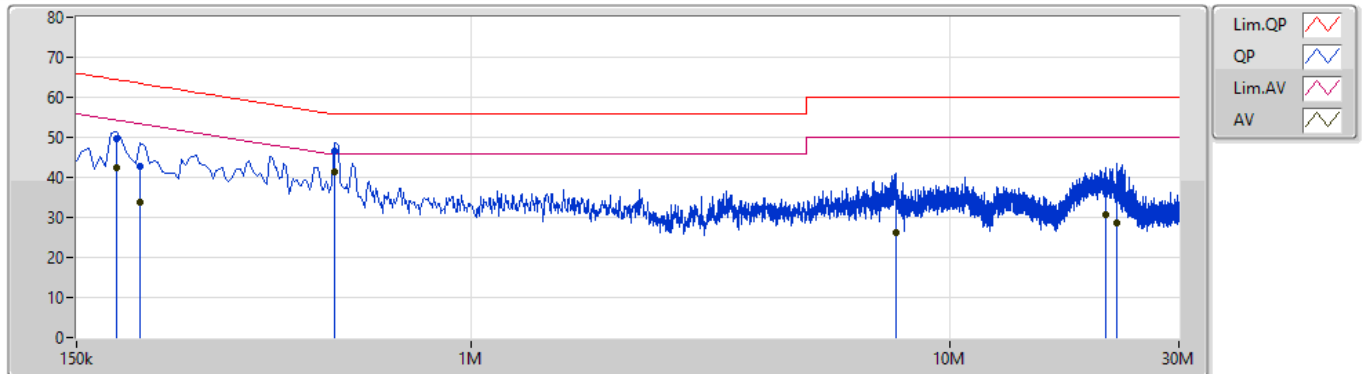
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	568.5k	41.98	46.00	-4.02	Neutral

Mode 1

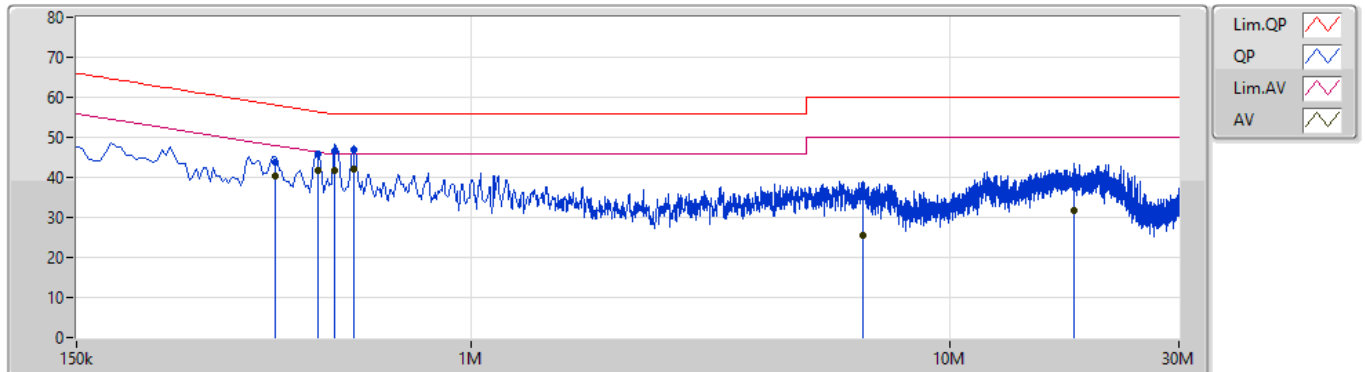
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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	181.5k	49.82	64.41	-14.59	9.99	Line	-	39.83	0.06	0.04	9.89			
AV	181.5k	42.32	54.41	-12.09	9.99	Line	-	32.33	0.06	0.04	9.89			
QP	204k	42.75	63.44	-20.69	9.99	Line	-	32.76	0.06	0.04	9.89			
AV	204k	33.81	53.44	-19.63	9.99	Line	-	23.82	0.06	0.04	9.89			
QP	519k	46.54	56.00	-9.46	10.00	Line	-	36.54	0.06	0.05	9.89			
AV	519k	41.34	46.00	-4.66	10.00	Line	"Worst"	31.34	0.06	0.05	9.89			
QP	7.683M	35.26	60.00	-24.74	10.23	Line	-	25.03	0.19	0.14	9.90			
AV	7.683M	26.20	50.00	-23.80	10.23	Line	-	15.97	0.19	0.14	9.90			
QP	21.062M	37.65	60.00	-22.35	10.50	Line	-	27.15	0.31	0.23	9.96			
AV	21.062M	30.53	50.00	-19.47	10.50	Line	-	20.03	0.31	0.23	9.96			
QP	22.281M	36.19	60.00	-23.81	10.54	Line	-	25.65	0.33	0.25	9.96			
AV	22.281M	28.75	50.00	-21.25	10.54	Line	-	18.21	0.33	0.25	9.96			

Mode 1

07/06/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	388.5k	43.88	58.10	-14.22	10.02	Neutral	-	33.86	0.07	0.06	9.89			
AV	388.5k	40.42	48.10	-7.68	10.02	Neutral	-	30.40	0.07	0.06	9.89			
QP	478.5k	45.84	56.36	-10.52	10.02	Neutral	-	35.82	0.07	0.06	9.89			
AV	478.5k	41.66	46.36	-4.70	10.02	Neutral	-	31.64	0.07	0.06	9.89			
QP	519k	46.66	56.00	-9.34	10.01	Neutral	-	36.65	0.07	0.05	9.89			
AV	519k	41.63	46.00	-4.37	10.01	Neutral	-	31.62	0.07	0.05	9.89			
QP	568.5k	46.76	56.00	-9.24	10.01	Neutral	-	36.75	0.07	0.05	9.89			
AV	568.5k	41.98	46.00	-4.02	10.01	Neutral	"Worst"	31.97	0.07	0.05	9.89			
QP	6.554M	35.30	60.00	-24.70	10.22	Neutral	-	25.08	0.19	0.13	9.90			
AV	6.554M	25.42	50.00	-24.58	10.22	Neutral	-	15.20	0.19	0.13	9.90			
QP	18.078M	38.43	60.00	-21.57	10.44	Neutral	-	27.99	0.29	0.20	9.95			
AV	18.078M	31.85	50.00	-18.15	10.44	Neutral	-	21.41	0.29	0.20	9.95			

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	8.525M	11.569M	11M6G1D	7.525M	11.119M
802.11g_Nss1,(6Mbps)_4TX	16.575M	17.041M	17M0D1D	16.475M	16.692M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.225M	19.34M	19M3D1D	19M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.25M	38.481M	38M5D1D	38.1M	38.131M

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

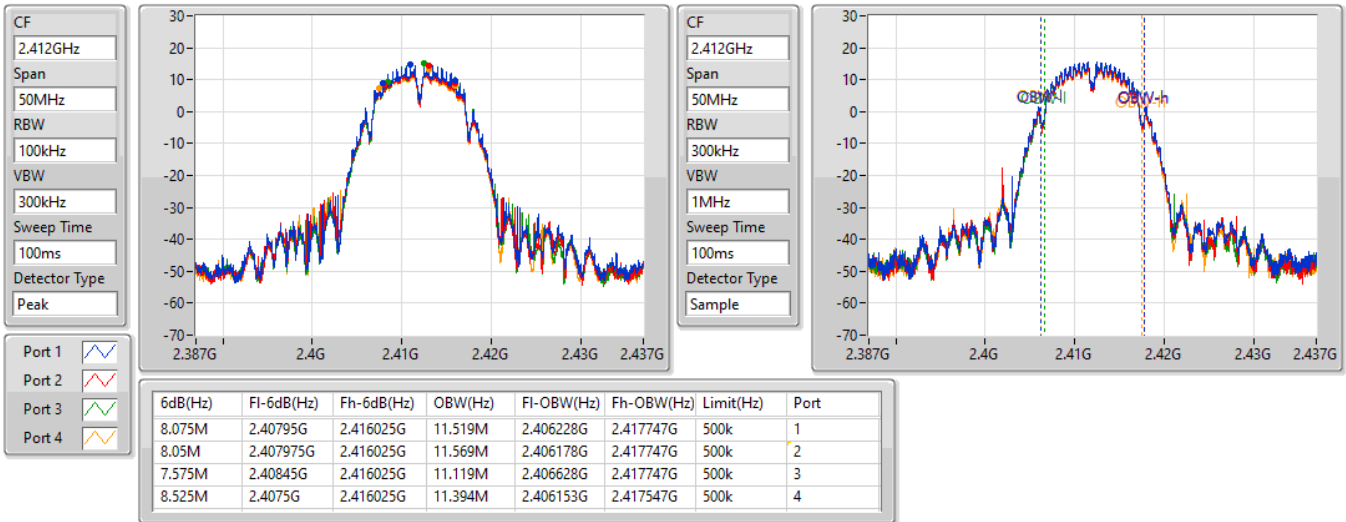
Result

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	8.075M	11.519M	8.05M	11.569M	7.575M	11.119M	8.525M	11.394M
2437MHz	Pass	500k	8.075M	11.544M	8.05M	11.494M	8.525M	11.344M	8.025M	11.394M
2462MHz	Pass	500k	8.05M	11.469M	8.025M	11.494M	7.525M	11.269M	8.05M	11.394M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.575M	16.792M	16.55M	16.767M	16.475M	16.692M	16.575M	16.867M
2437MHz	Pass	500k	16.575M	17.016M	16.575M	16.992M	16.525M	16.942M	16.525M	17.041M
2462MHz	Pass	500k	16.575M	16.767M	16.575M	16.767M	16.55M	16.817M	16.525M	16.867M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	19.34M	19.175M	19.315M	19M	19.215M	19.225M	19.34M
2437MHz	Pass	500k	19.1M	19.14M	19.1M	19.115M	19.1M	19.14M	19.075M	19.165M
2462MHz	Pass	500k	19.125M	19.115M	19.075M	19.09M	19.075M	19.065M	19.1M	19.165M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	38.25M	38.481M	38.25M	38.331M	38.15M	38.281M	38.2M	38.331M
2437MHz	Pass	500k	38.15M	38.331M	38.15M	38.331M	38.15M	38.281M	38.1M	38.131M
2452MHz	Pass	500k	38.15M	38.131M	38.15M	38.181M	38.15M	38.131M	38.15M	38.281M

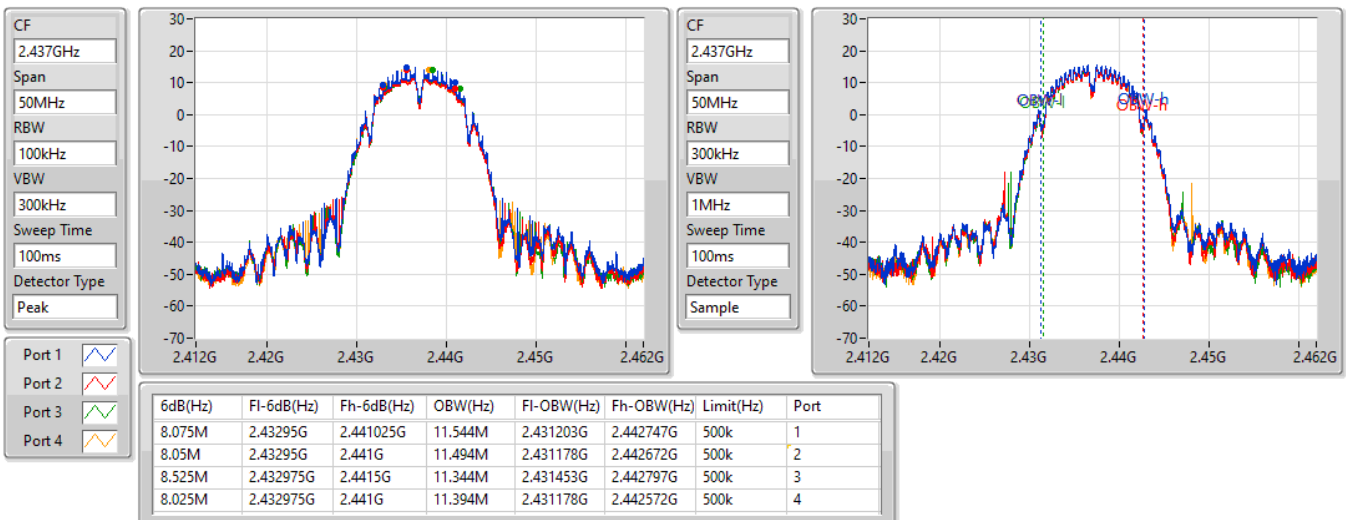
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

25/02/2022

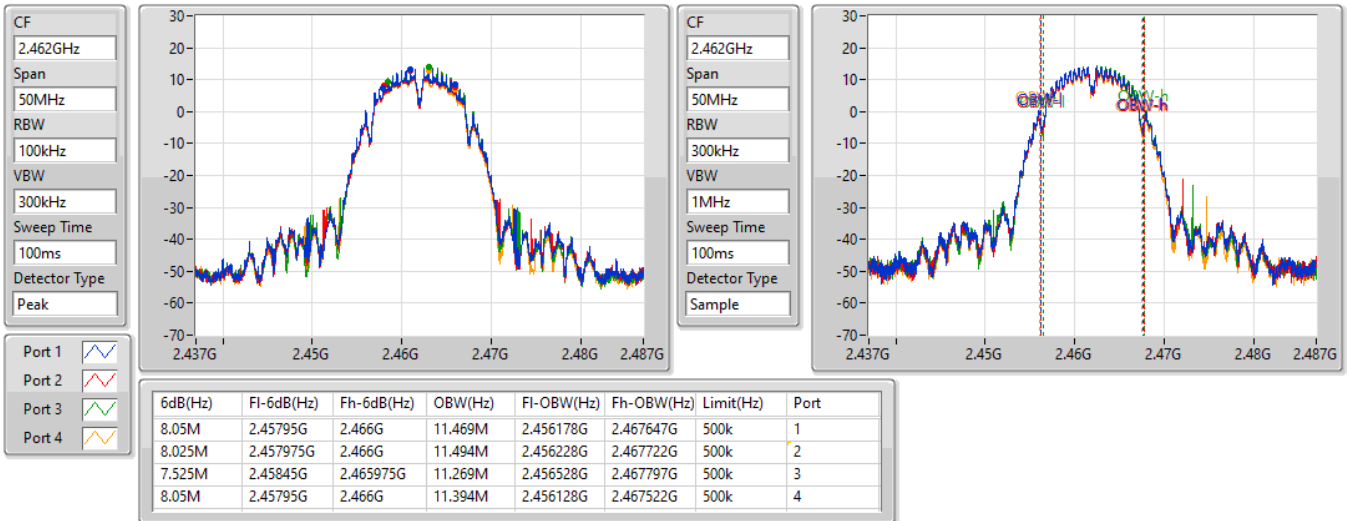

802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

25/02/2022

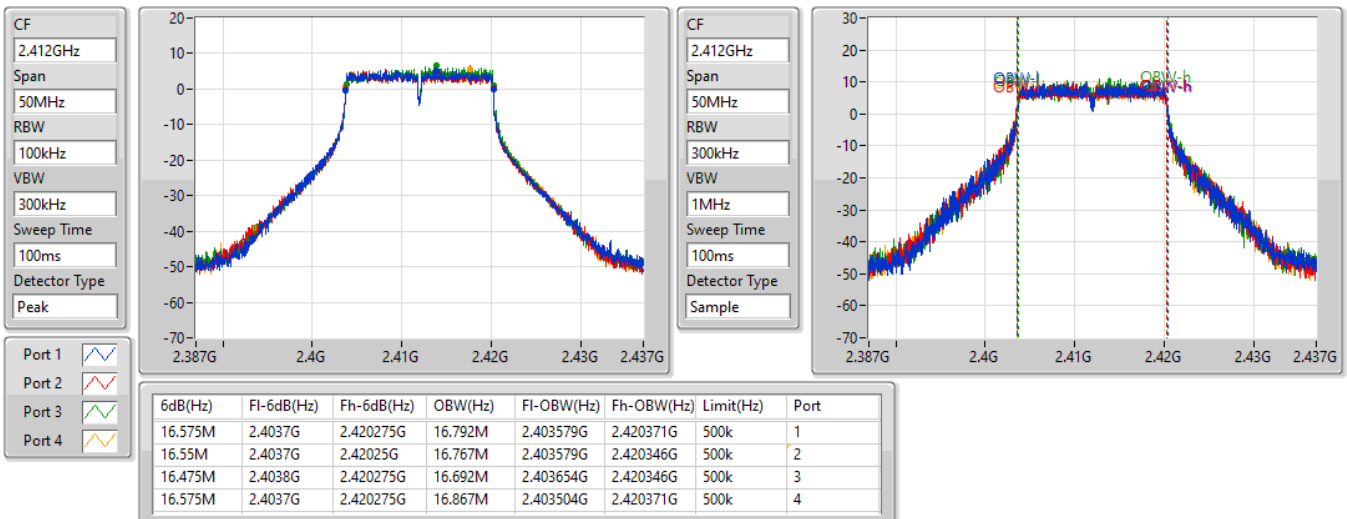


802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

25/02/2022

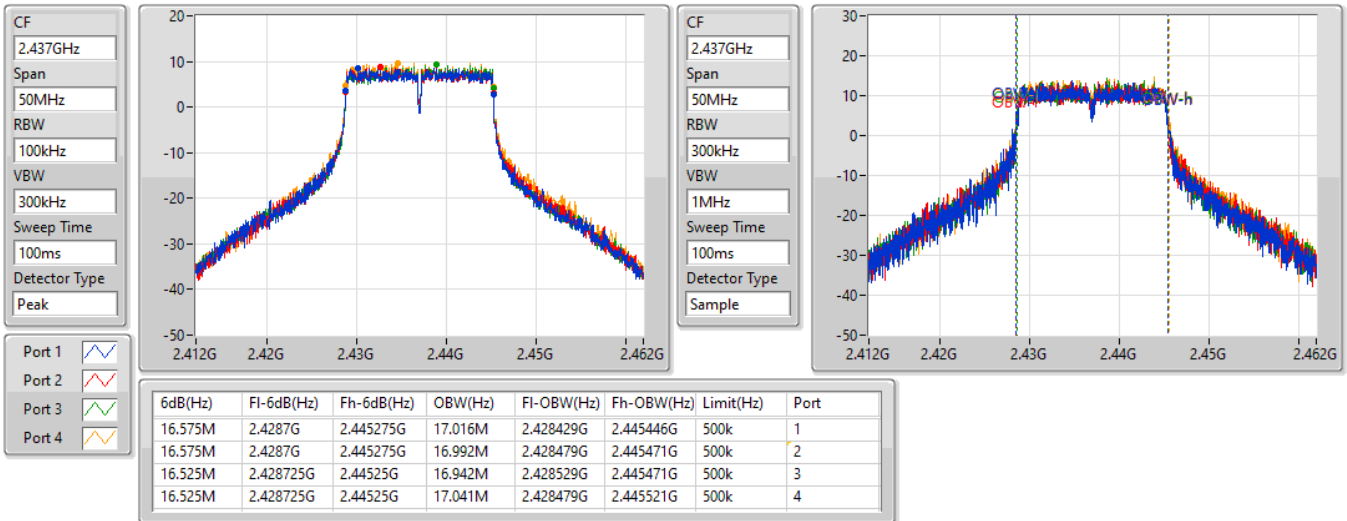

802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

25/02/2022

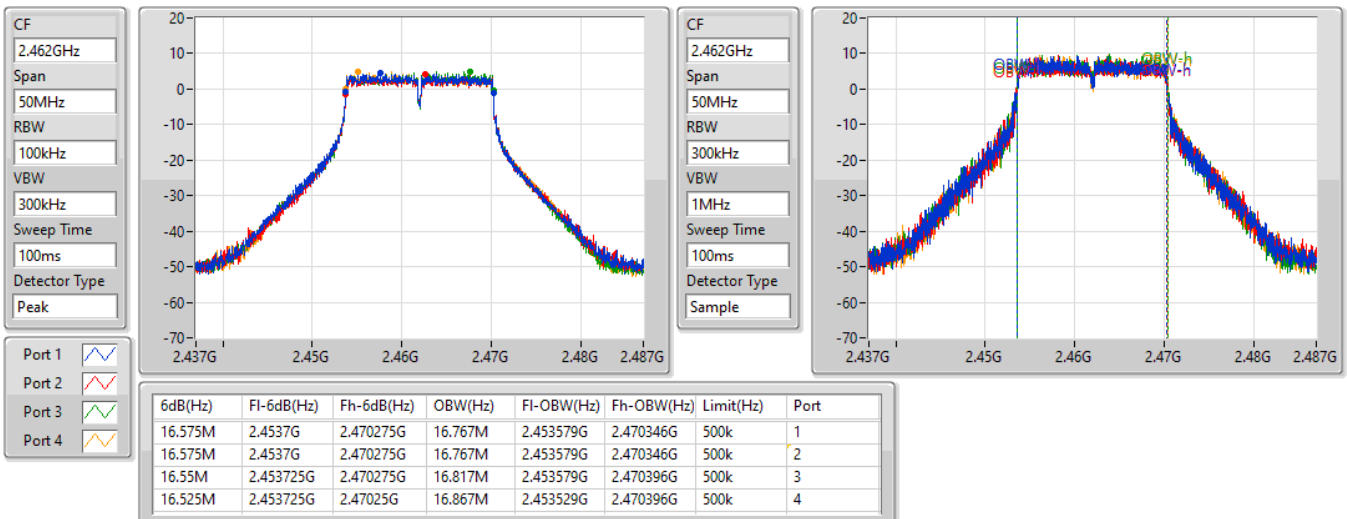


802.11g_Nss1,(6Mbps)_4TX
2437MHz

25/02/2022

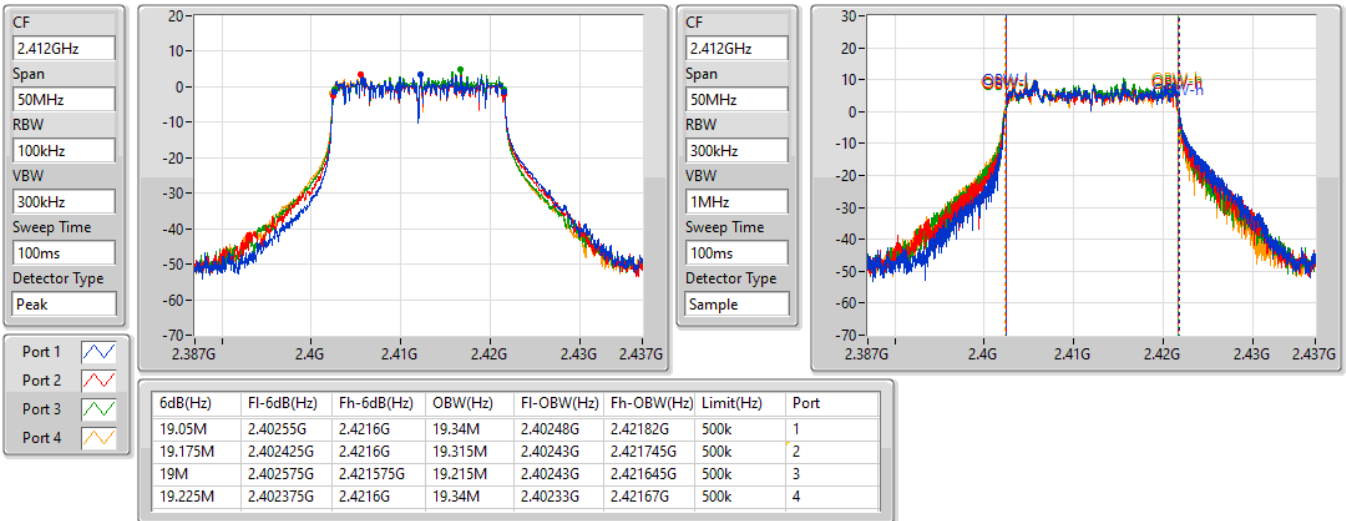

802.11g_Nss1,(6Mbps)_4TX
2462MHz

25/02/2022

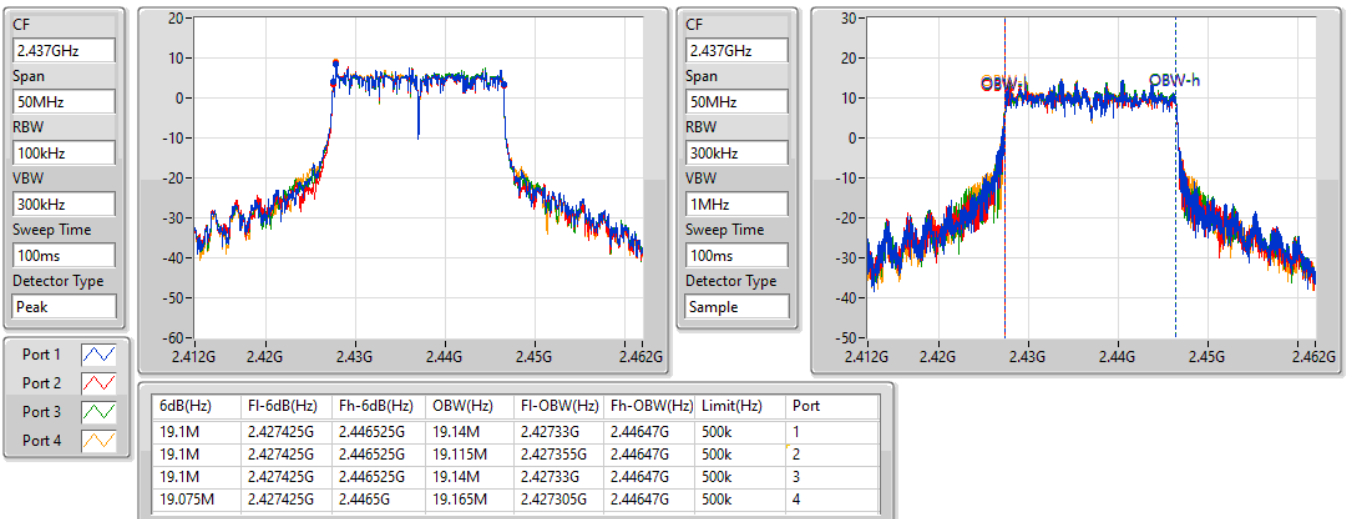


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2412MHz

25/02/2022

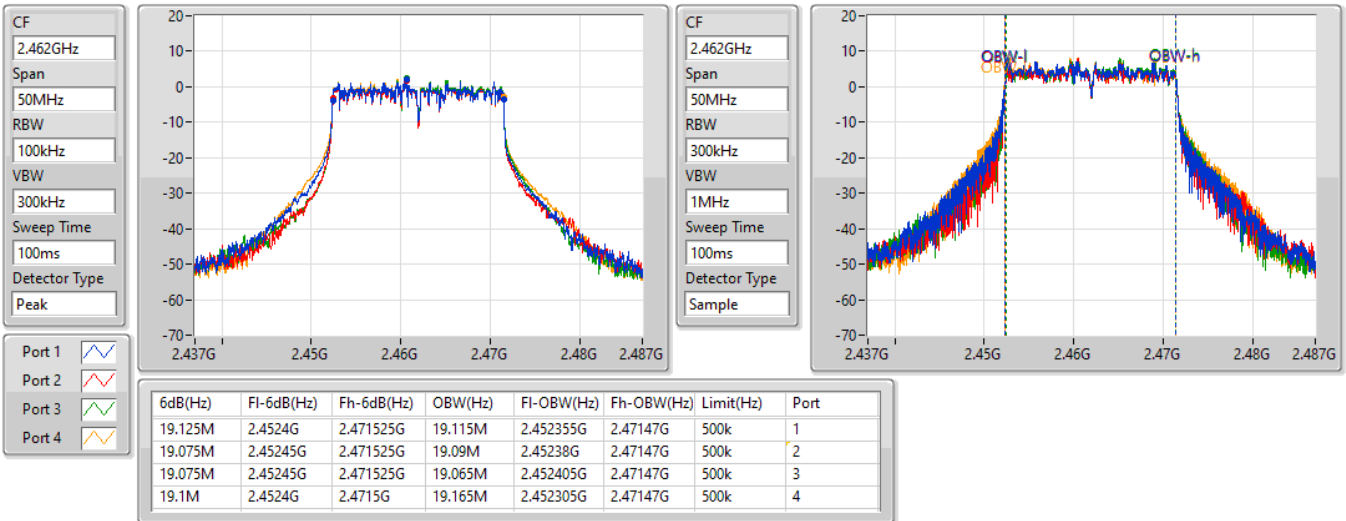

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2437MHz

25/02/2022

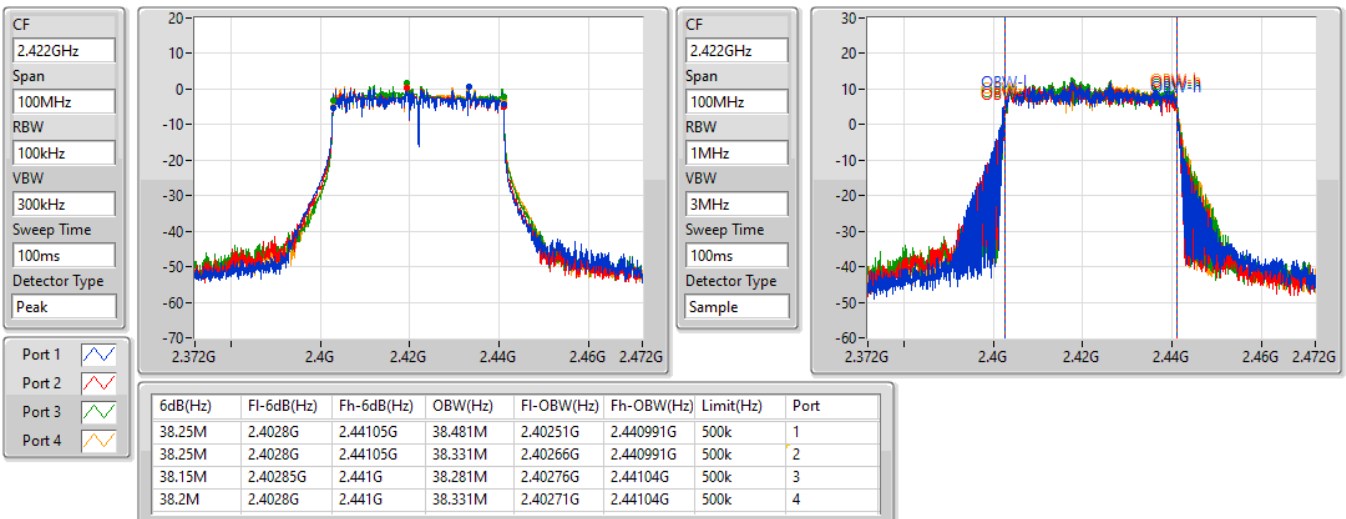


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2462MHz

25/02/2022

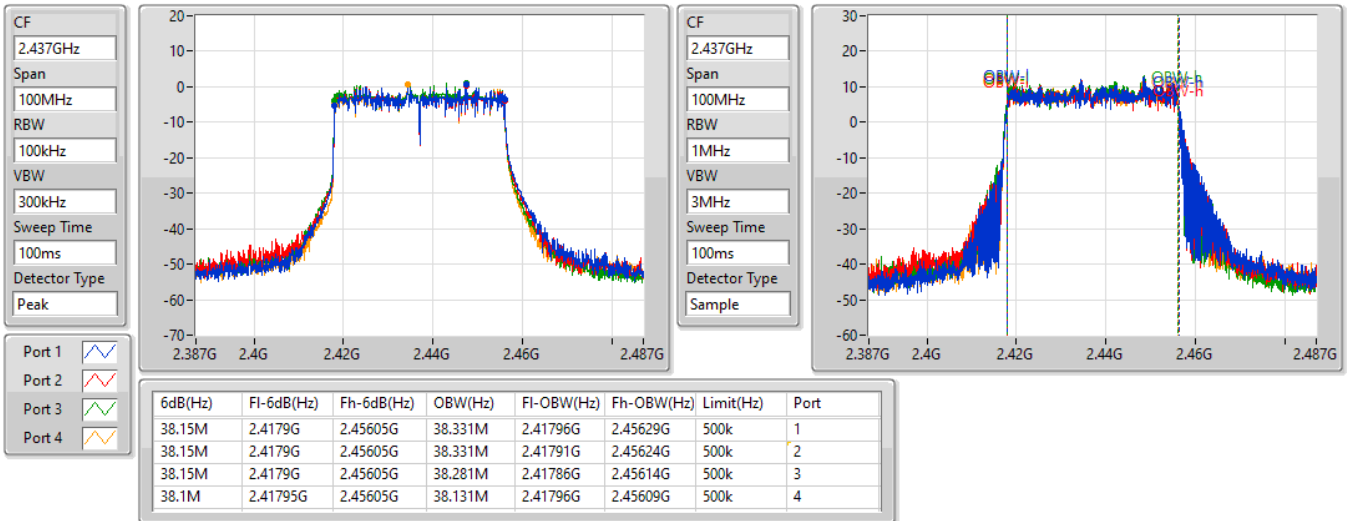

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2422MHz

25/02/2022

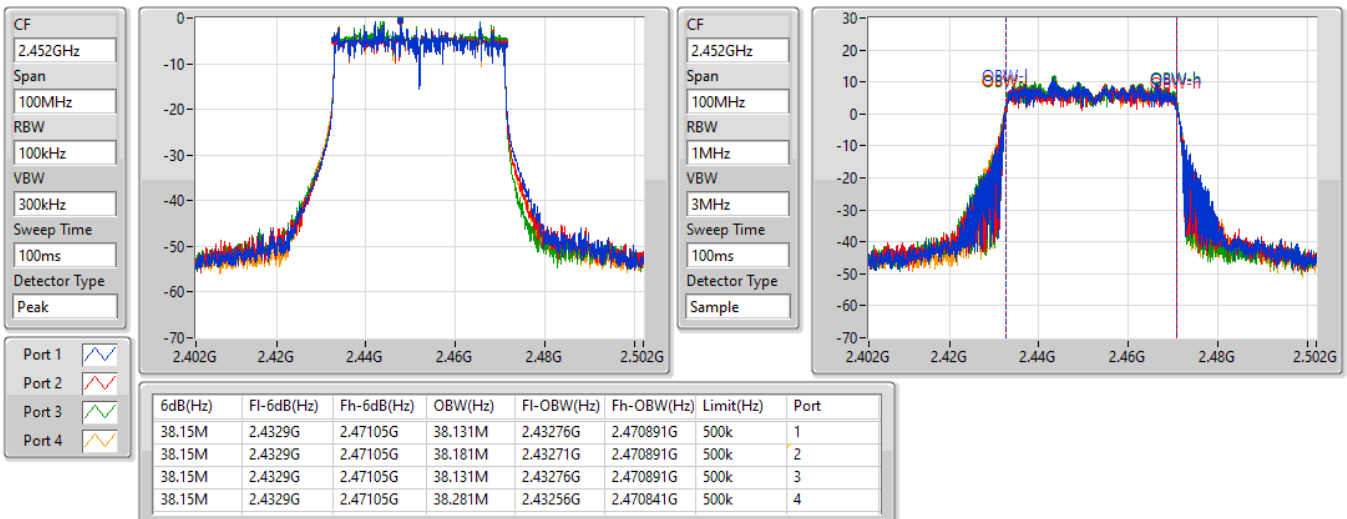


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2437MHz

25/02/2022


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2452MHz

25/02/2022



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.1M	19.09M	19M1D1D	18.975M	18.916M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38.15M	38.431M	38M4D1D	37.85M	37.981M

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

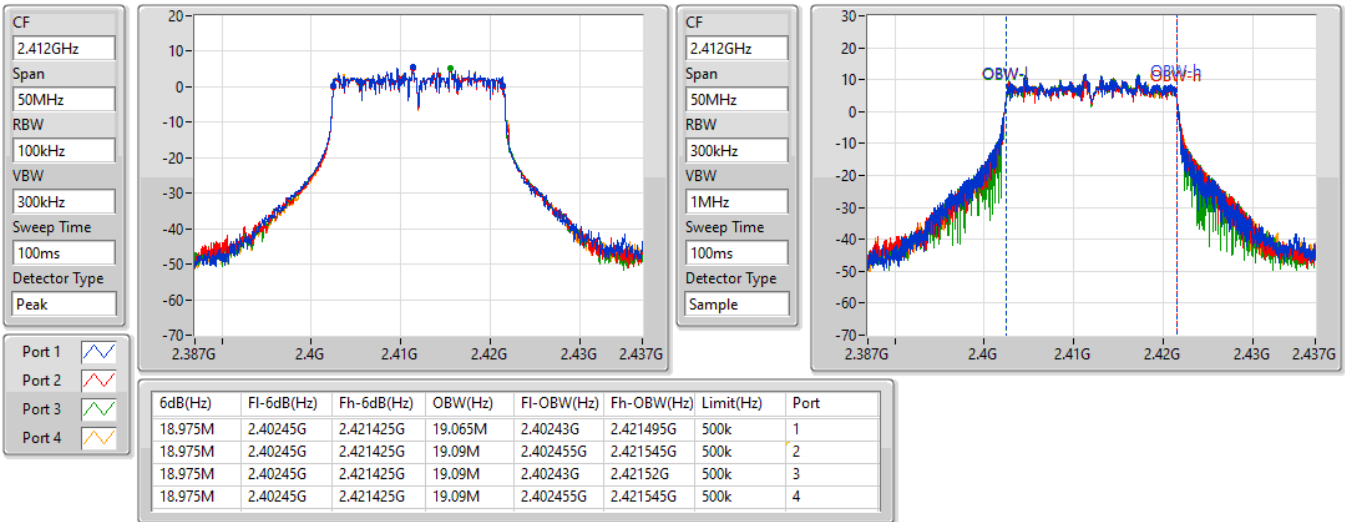
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.065M	18.975M	19.09M	18.975M	19.09M	18.975M	19.09M
2437MHz	Pass	500k	19.075M	19.04M	19.075M	19.04M	19.075M	19.04M	19.075M	19.015M
2462MHz	Pass	500k	19.1M	18.991M	19.075M	18.941M	19.1M	18.916M	19.1M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	38.15M	38.081M	38.15M	38.031M	38.15M	38.031M	38.15M	38.131M
2437MHz	Pass	500k	37.85M	37.981M	38.05M	38.081M	38.15M	38.381M	37.95M	38.031M
2452MHz	Pass	500k	38.15M	38.231M	38.15M	38.331M	38.15M	38.331M	38.15M	38.431M

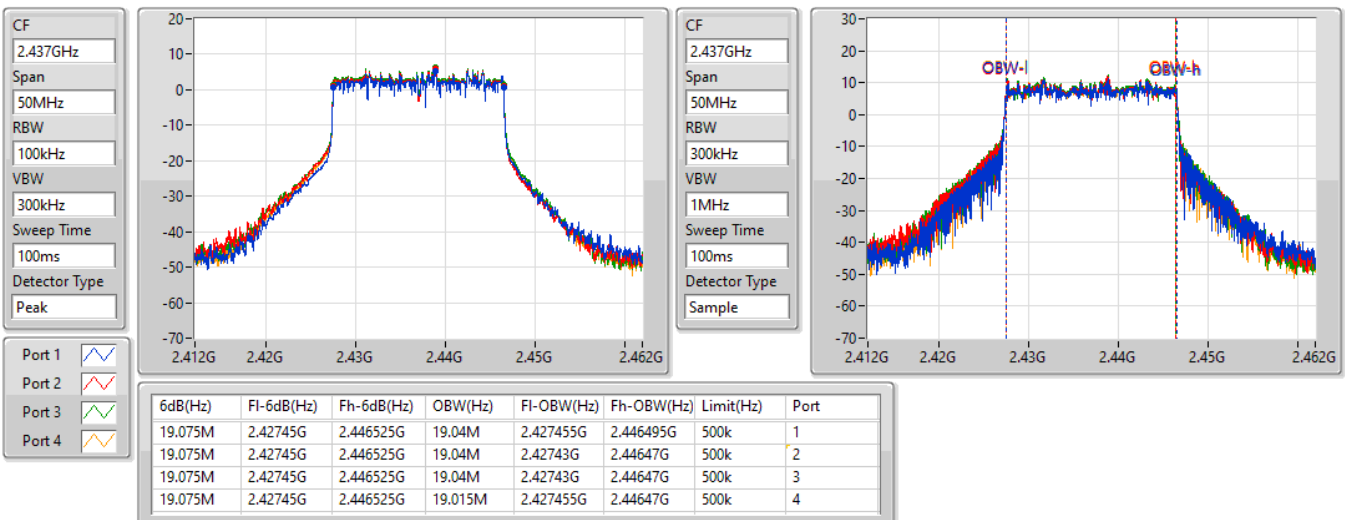
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

28/02/2022

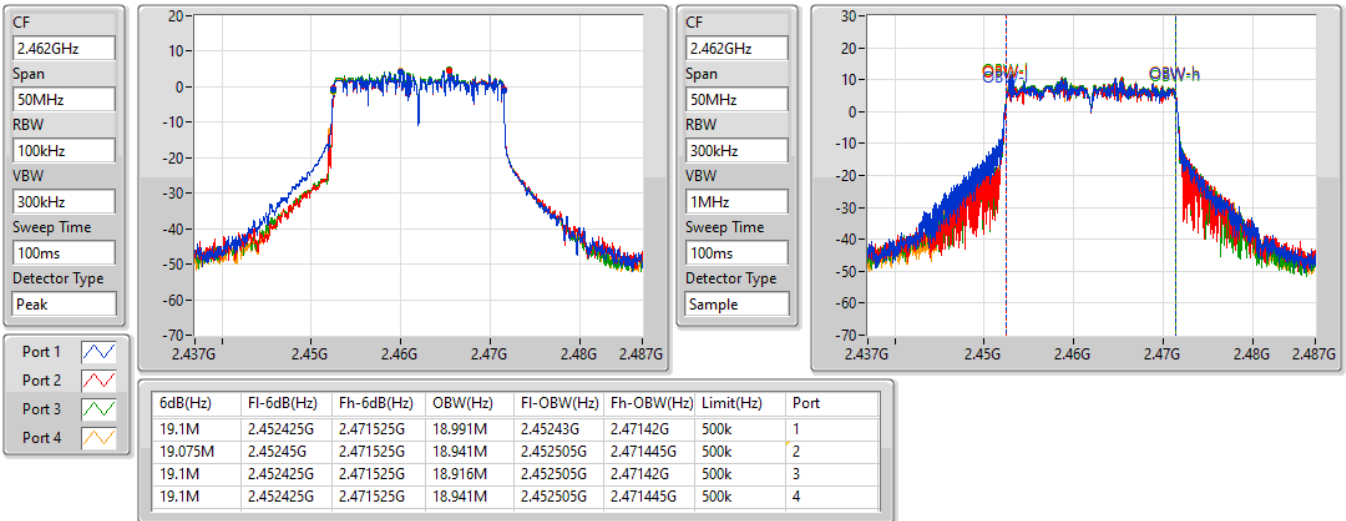

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

28/02/2022

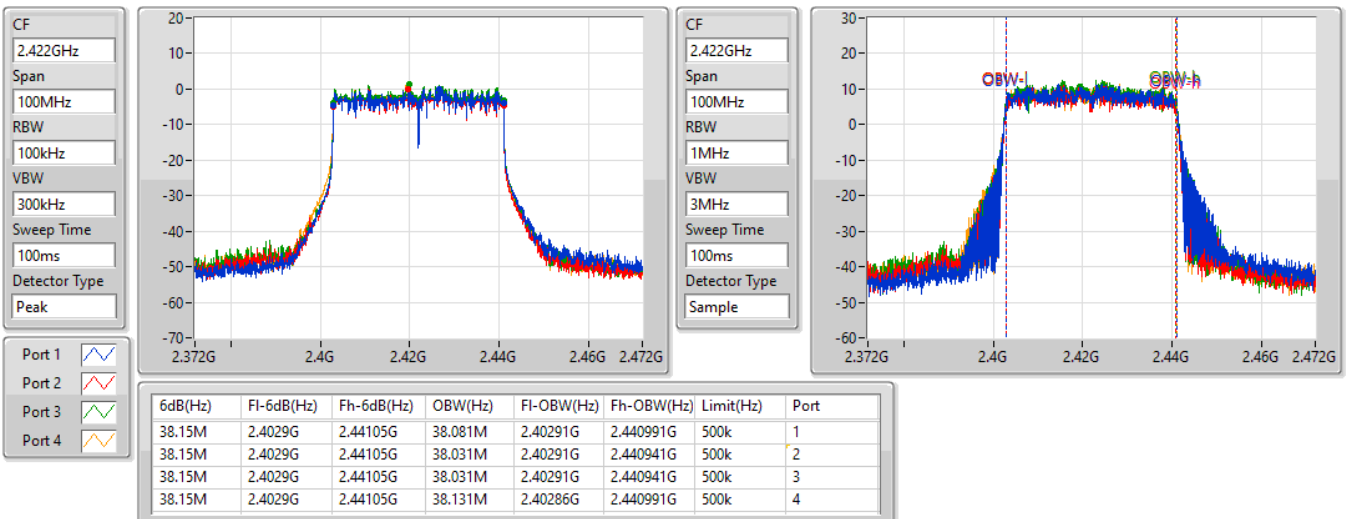


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

28/02/2022

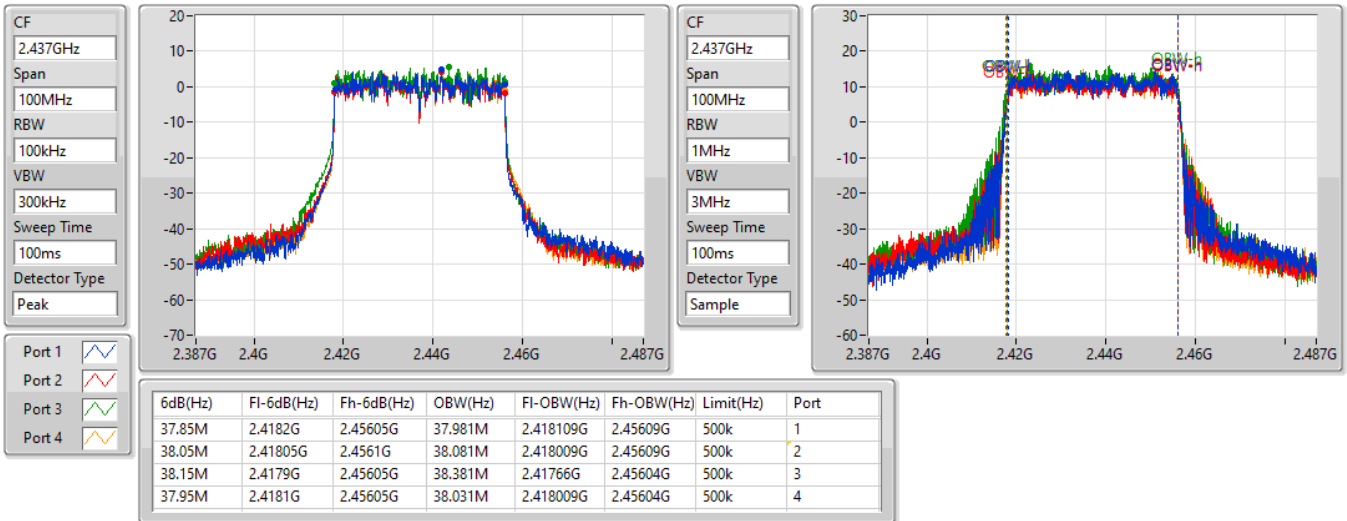

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

28/02/2022

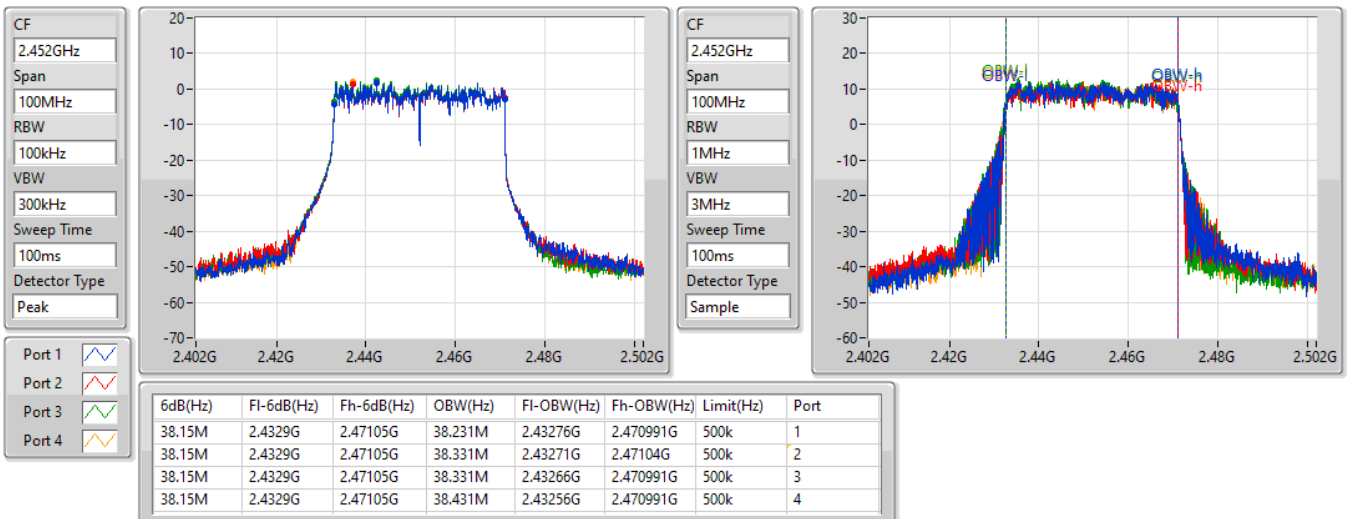


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

28/02/2022


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

28/02/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.61	0.91411
802.11g_Nss1,(6Mbps)_4TX	29.91	0.97949
802.11ax HEW20_Nss1,(MCS0)_4TX	29.89	0.97499
802.11ax HEW40_Nss1,(MCS0)_4TX	25.29	0.33806

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	3.80	23.83	23.09	23.52	22.72	29.33	30.00
2417MHz	Pass	3.80	23.73	22.95	23.70	22.96	29.37	30.00
2437MHz	Pass	3.80	24.02	23.57	23.34	23.41	29.61	30.00
2457MHz	Pass	3.80	23.57	22.67	23.42	22.35	29.05	30.00
2462MHz	Pass	3.80	22.27	21.98	22.51	21.48	28.10	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.80	20.23	19.96	20.79	20.14	26.31	30.00
2417MHz	Pass	3.80	21.12	20.82	21.85	20.94	27.22	30.00
2437MHz	Pass	3.80	23.69	23.65	23.86	24.34	29.91	30.00
2457MHz	Pass	3.80	21.78	21.36	21.76	21.68	27.67	30.00
2462MHz	Pass	3.80	19.21	18.89	19.39	19.26	25.21	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.80	19.21	18.97	19.76	19.25	25.33	30.00
2417MHz	Pass	3.80	20.20	19.90	20.83	20.10	26.29	30.00
2437MHz	Pass	3.80	23.87	23.39	24.04	24.13	29.89	30.00
2457MHz	Pass	3.80	22.93	22.47	22.94	22.97	28.85	30.00
2462MHz	Pass	3.80	17.79	17.47	17.94	17.88	23.79	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.80	17.94	18.09	18.77	18.08	24.25	30.00
2437MHz	Pass	3.80	19.40	18.45	19.58	19.55	25.29	30.00
2452MHz	Pass	3.80	16.81	16.82	17.46	16.95	23.04	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	26.88	0.48753
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	27.02	0.50350

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.95	20.30	20.19	20.21	20.28	26.27	27.05
2417MHz	Pass	8.95	20.43	20.71	21.11	20.81	26.79	27.05
2437MHz	Pass	8.95	20.52	20.78	21.25	20.85	26.88	27.05
2457MHz	Pass	8.95	20.41	20.74	21.04	20.77	26.77	27.05
2462MHz	Pass	8.95	19.48	19.51	19.98	19.87	25.74	27.05
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.95	18.09	17.97	18.96	18.56	24.43	27.05
2427MHz	Pass	8.95	19.73	19.29	20.11	19.69	25.74	27.05
2437MHz	Pass	8.95	20.90	20.41	21.70	20.90	27.02	27.05
2447MHz	Pass	8.95	19.69	19.11	20.37	19.58	25.73	27.05
2452MHz	Pass	8.95	18.84	18.73	19.41	19.20	25.07	27.05

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	3.69
802.11g_Nss1,(6Mbps)_4TX	-0.08
802.11ax HEW20_Nss1,(MCS0)_4TX	4.34
802.11ax HEW40_Nss1,(MCS0)_4TX	1.48

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	8.95	-0.07	-1.37	-0.23	-0.43	3.34	5.05
2437MHz	Pass	8.95	-0.22	-1.44	0.12	-0.72	3.69	5.05
2462MHz	Pass	8.95	-1.27	-2.62	-1.66	-2.30	2.70	5.05
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.95	-9.08	-9.41	-8.49	-9.45	-3.47	5.05
2437MHz	Pass	8.95	-6.17	-6.05	-5.55	-5.28	-0.08	5.05
2462MHz	Pass	8.95	-10.11	-10.23	-10.00	-10.08	-4.38	5.05
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.95	-1.60	-1.88	-1.03	-1.26	4.34	5.05
2437MHz	Pass	8.95	-6.56	-6.92	-6.04	-6.21	-0.40	5.05
2462MHz	Pass	8.95	-2.24	-2.72	-2.07	-1.91	3.73	5.05
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.95	-4.65	-4.82	-4.16	-4.84	1.40	5.05
2437MHz	Pass	8.95	-4.89	-4.84	-3.89	-4.62	1.48	5.05
2452MHz	Pass	8.95	-6.03	-6.08	-5.42	-6.06	-0.02	5.05

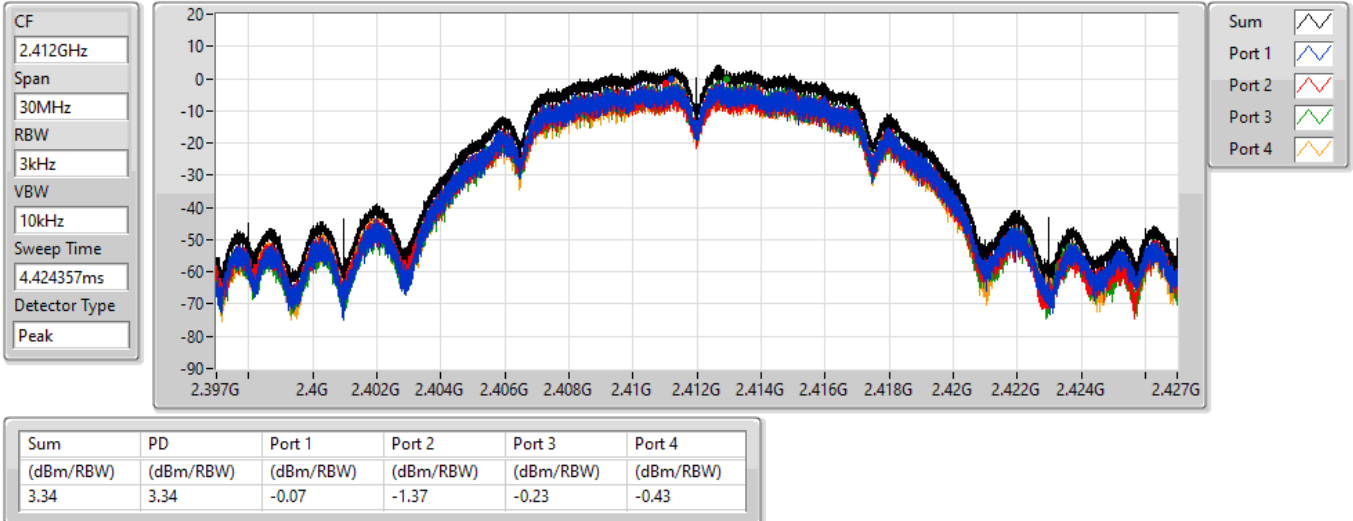
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

25/02/2022

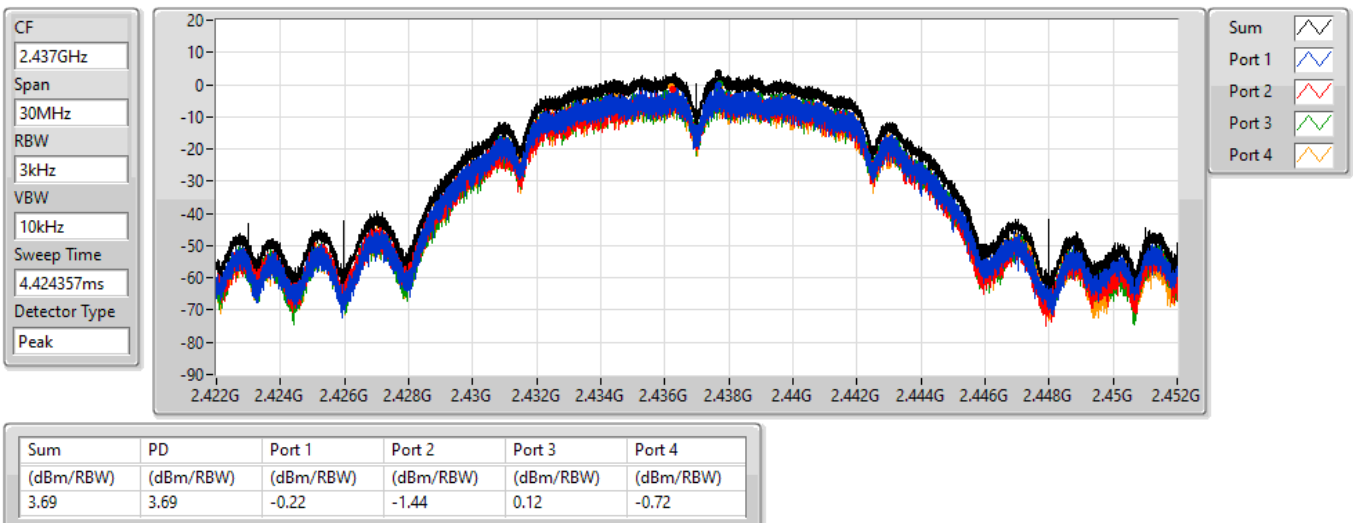


802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

25/02/2022

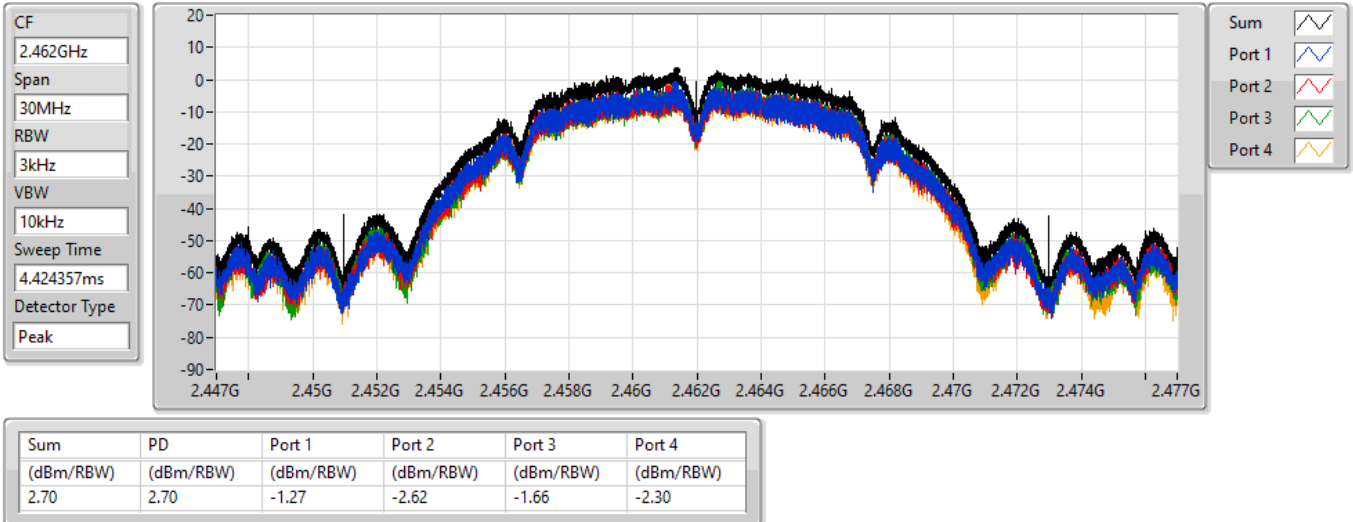


802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

25/02/2022

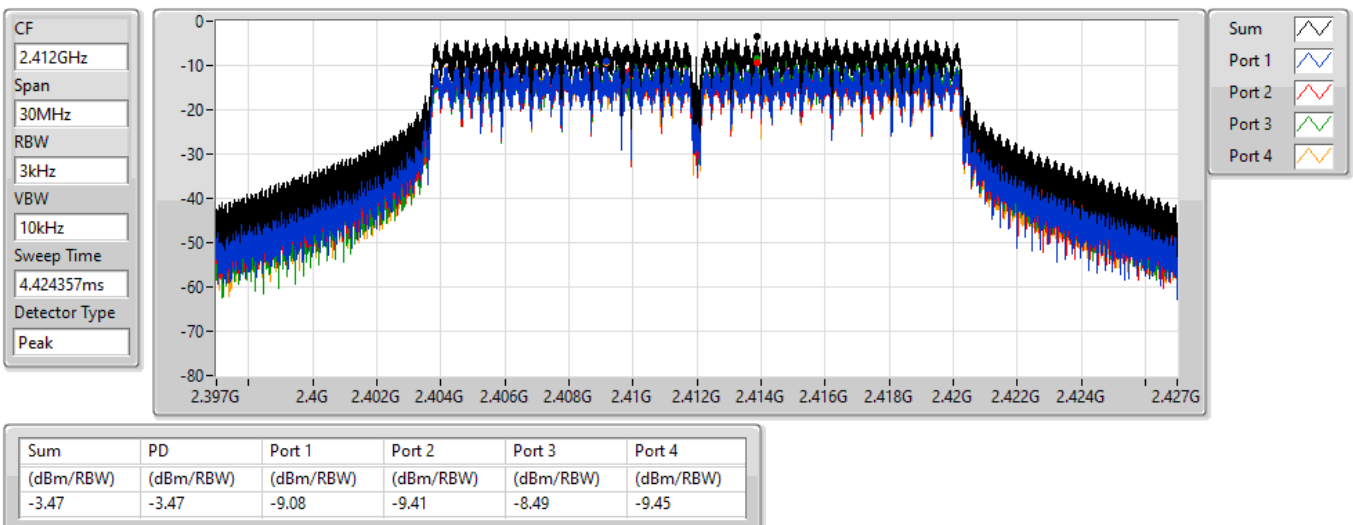


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

25/02/2022

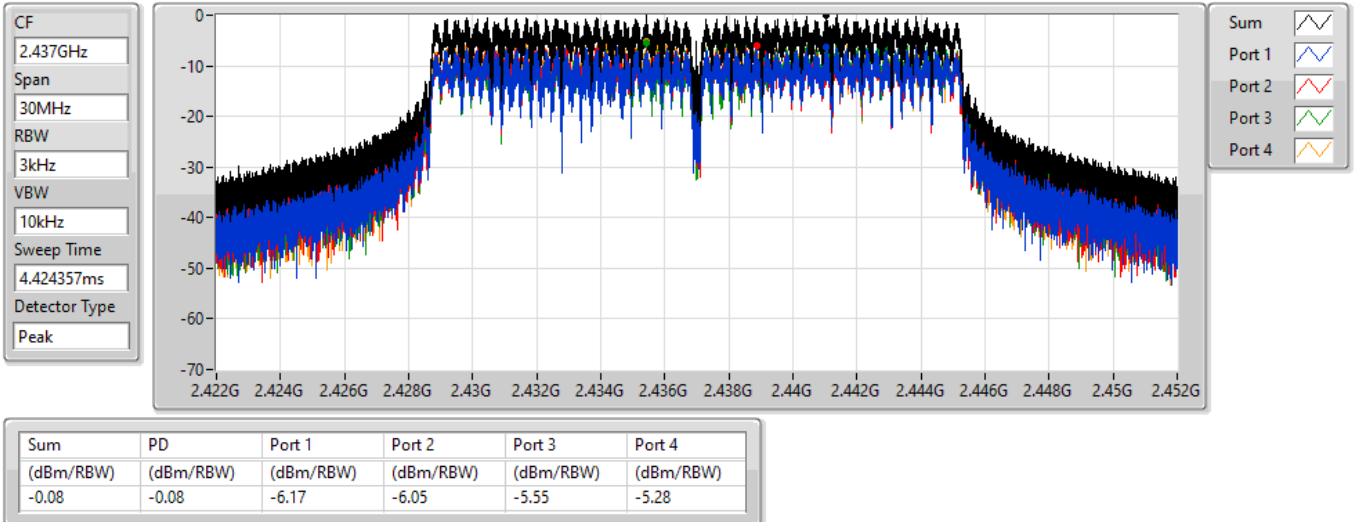


802.11g_Nss1,(6Mbps)_4TX

2437MHz

PSD

25/02/2022

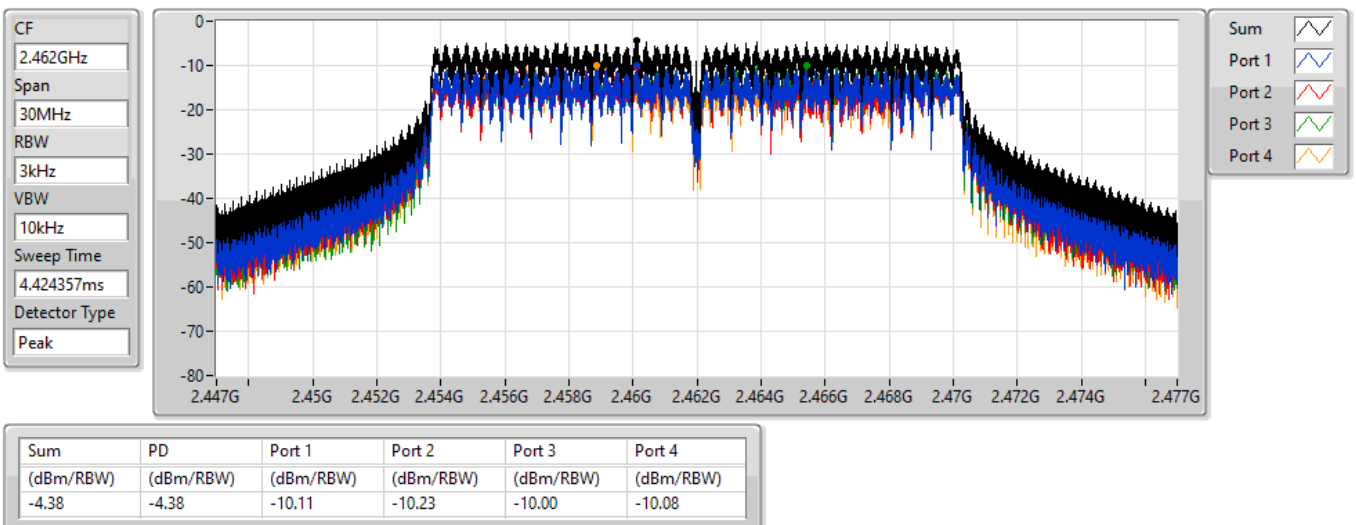


802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

25/02/2022

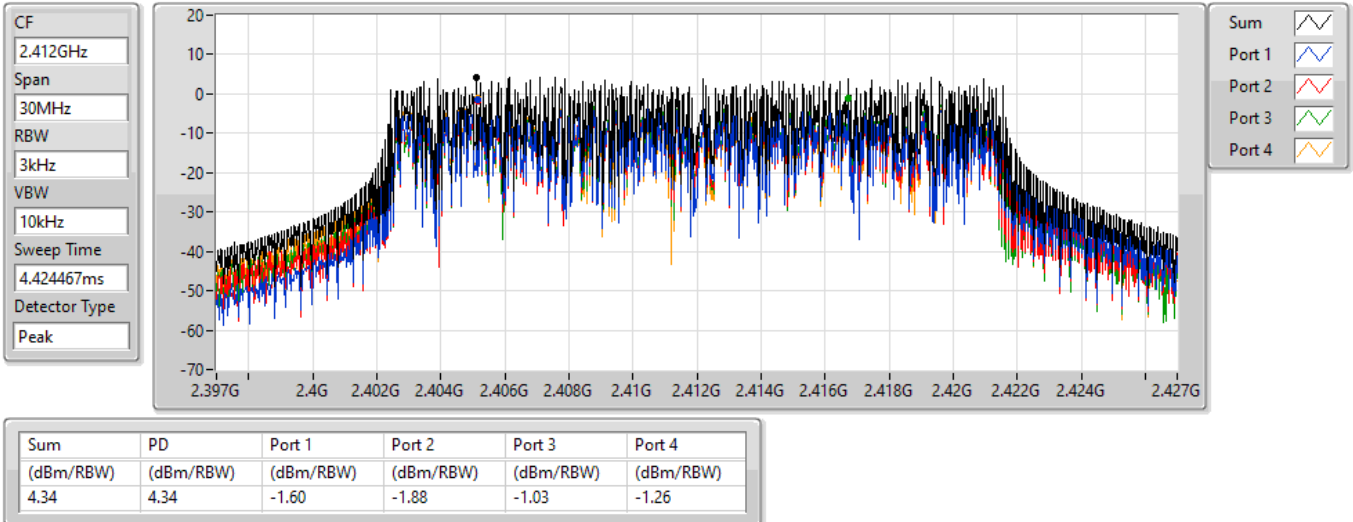


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

25/02/2022

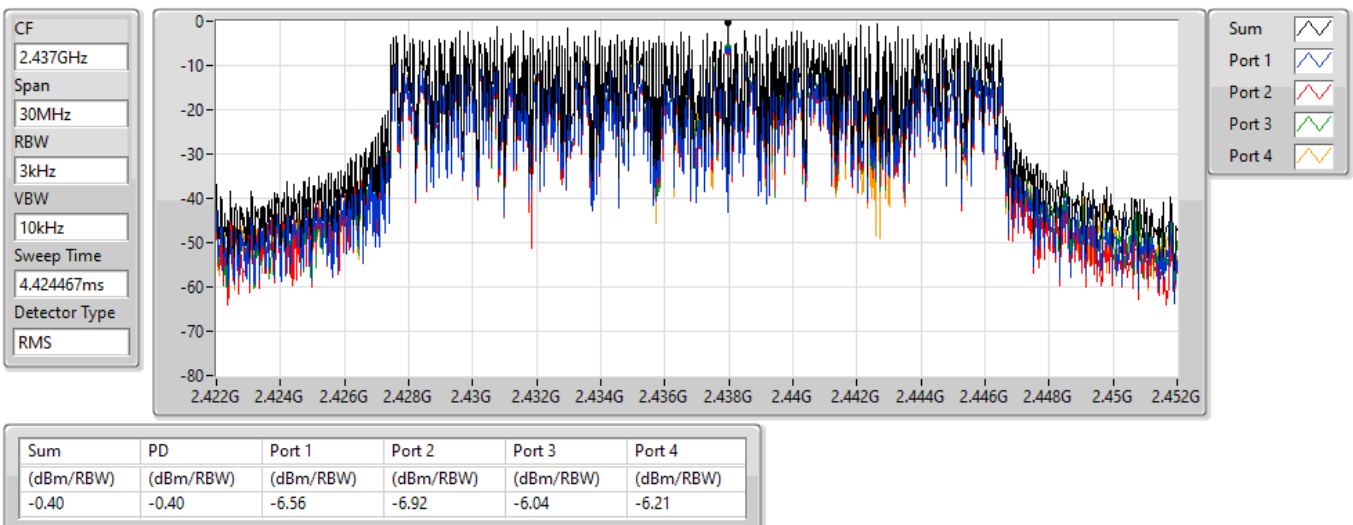


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

25/02/2022

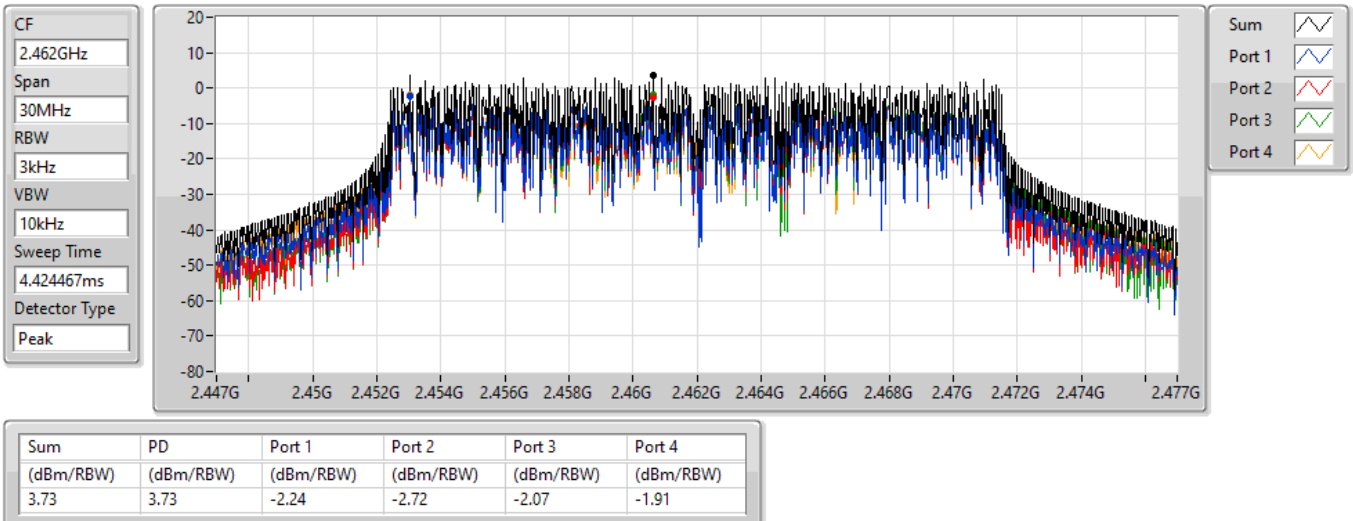


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

25/02/2022

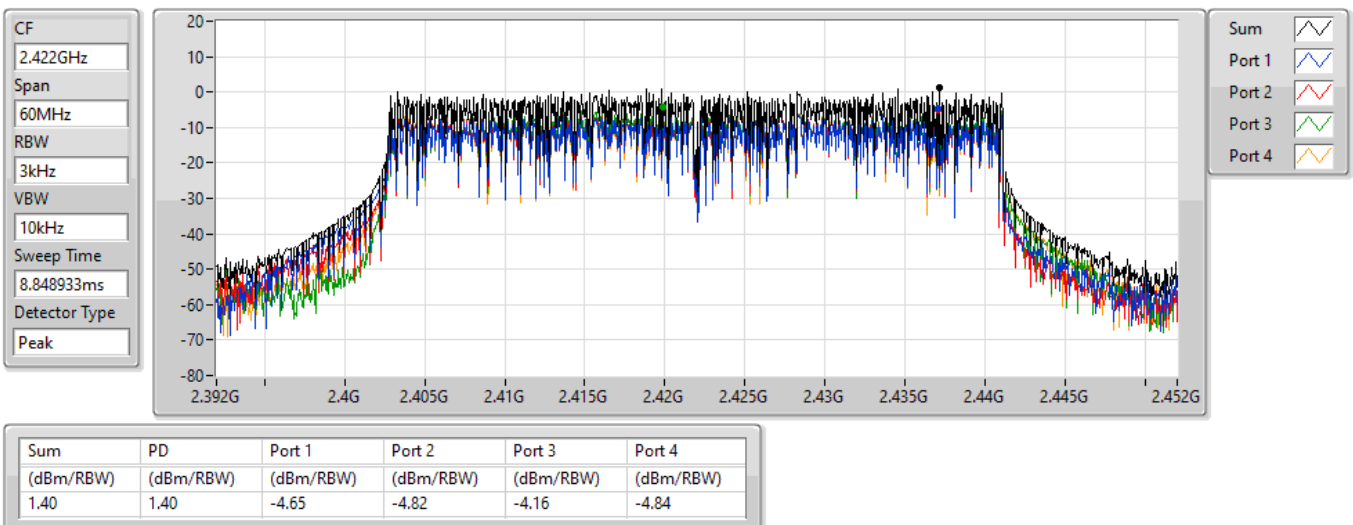


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

25/02/2022

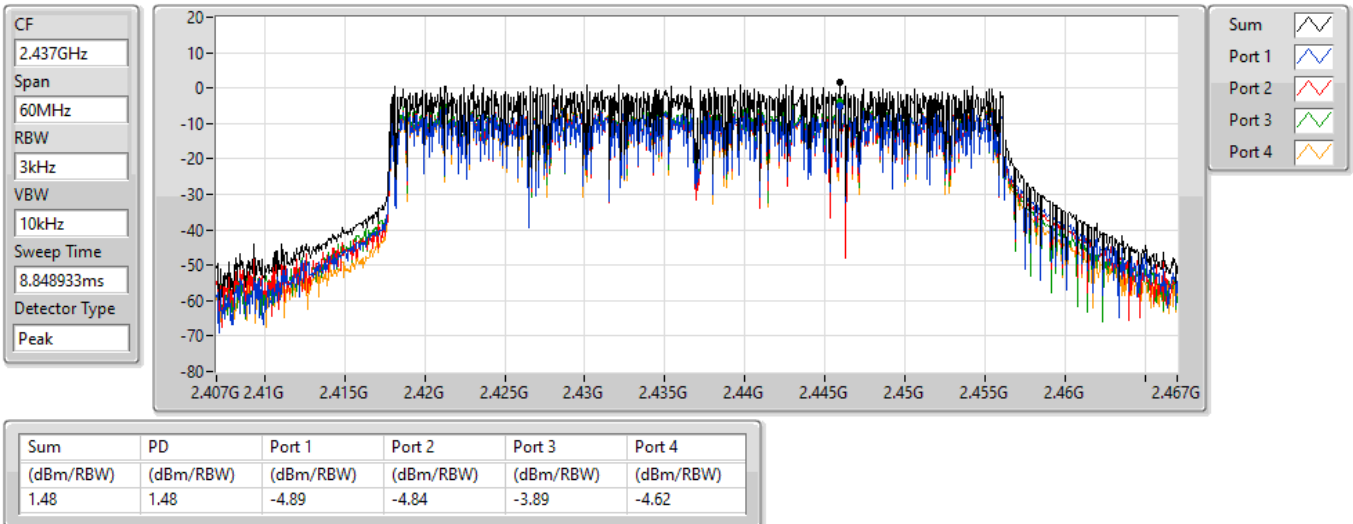


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

25/02/2022

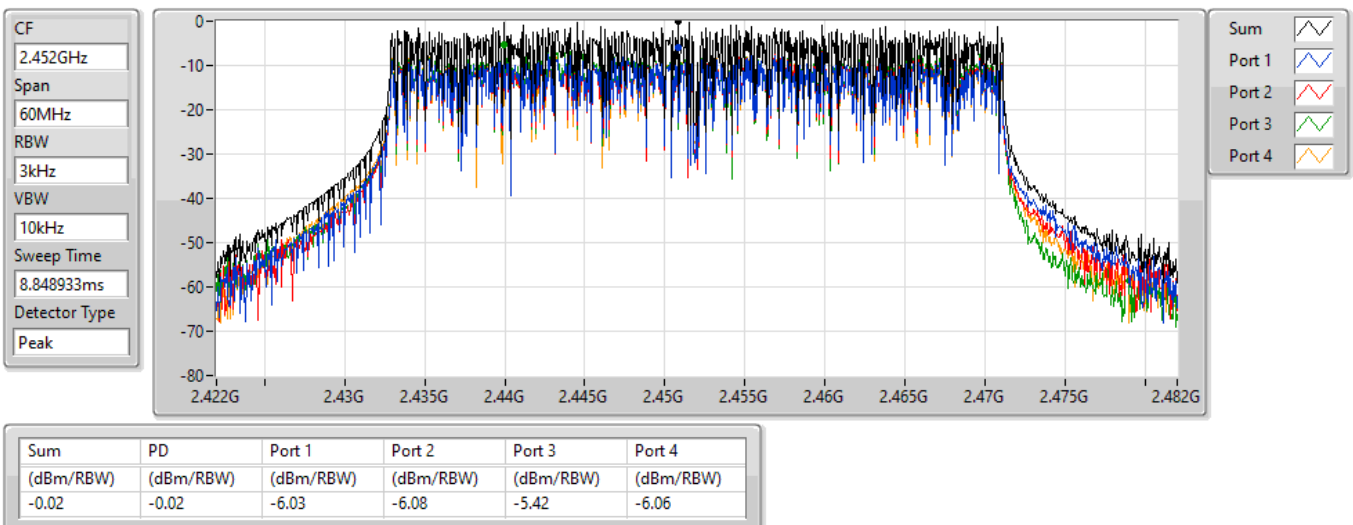


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

25/02/2022



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-3.35
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.41

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.95	-9.32	-9.54	-9.39	-9.41	-3.44	5.05
2437MHz	Pass	8.95	-9.50	-9.49	-9.06	-9.21	-3.35	5.05
2462MHz	Pass	8.95	-10.12	-9.87	-9.71	-9.76	-3.84	5.05
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.95	-4.21	-4.61	-3.28	-3.86	2.06	5.05
2437MHz	Pass	8.95	-1.65	-1.81	-0.06	-1.54	3.41	5.05
2452MHz	Pass	8.95	-3.42	-3.61	-2.72	-3.05	2.83	5.05

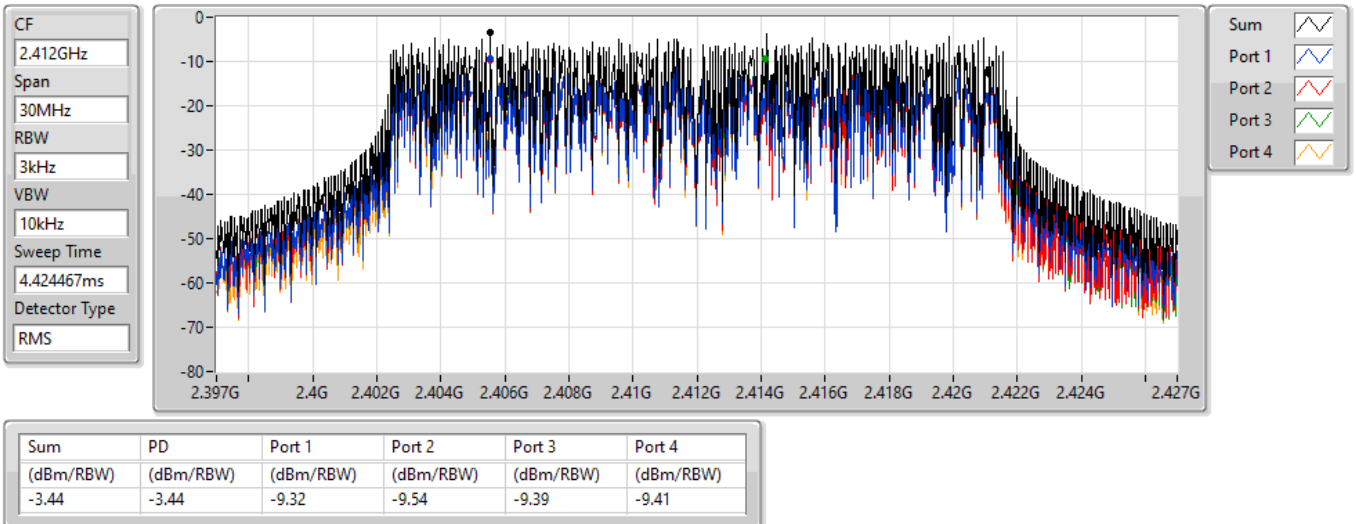
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

28/02/2022

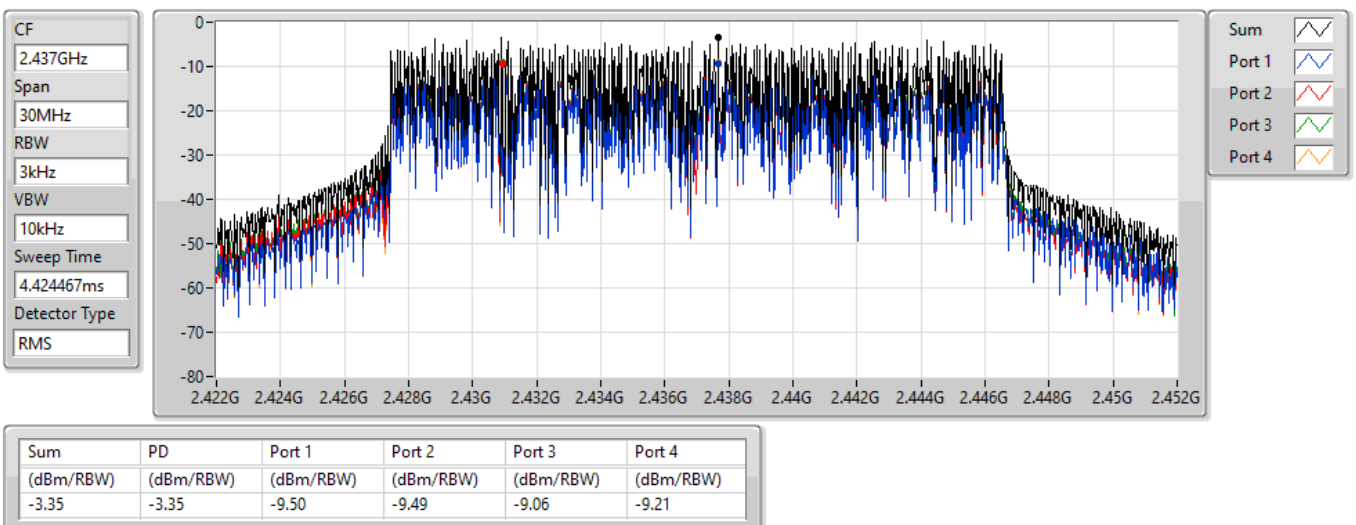


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

28/02/2022

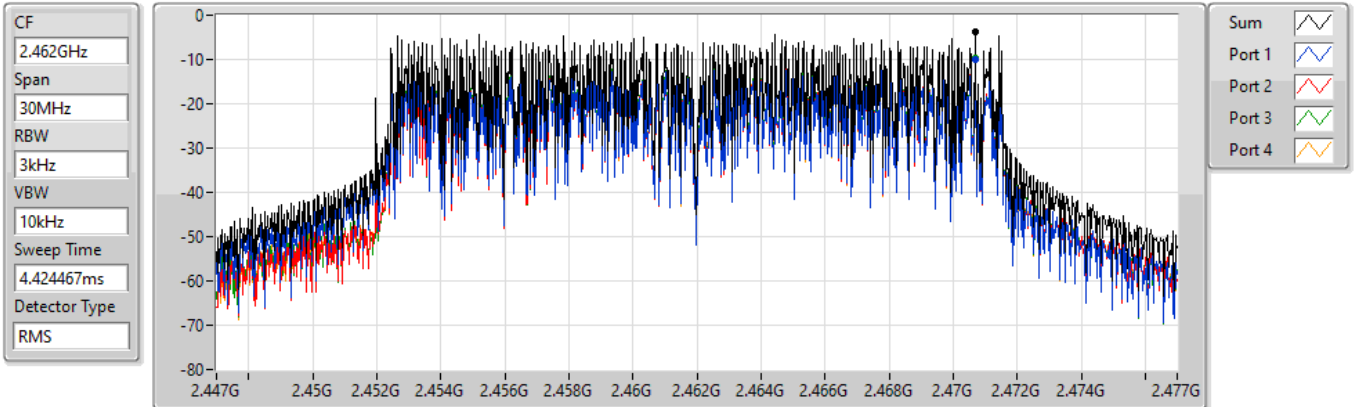


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

28/02/2022



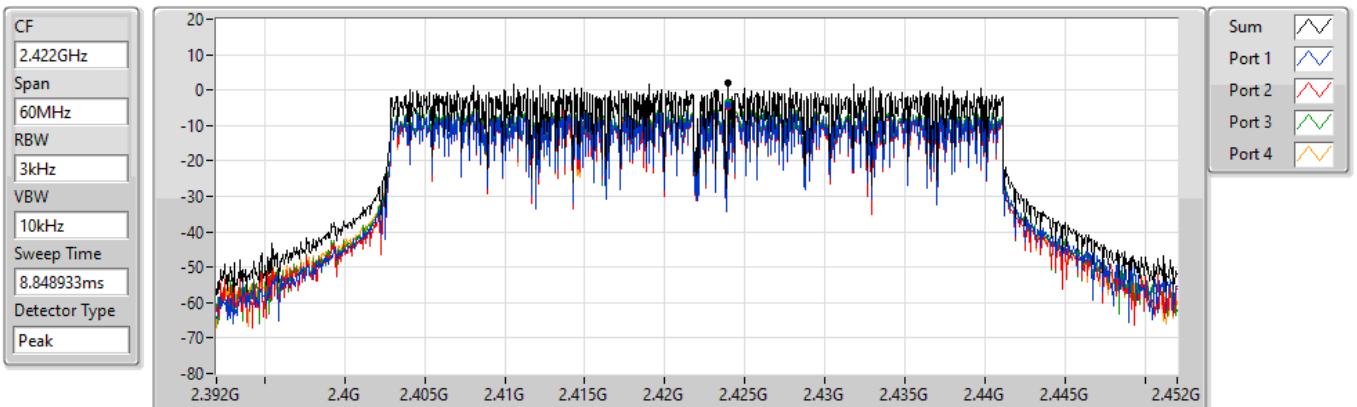
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.84	-3.84	-10.12	-9.87	-9.71	-9.76

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

28/02/2022



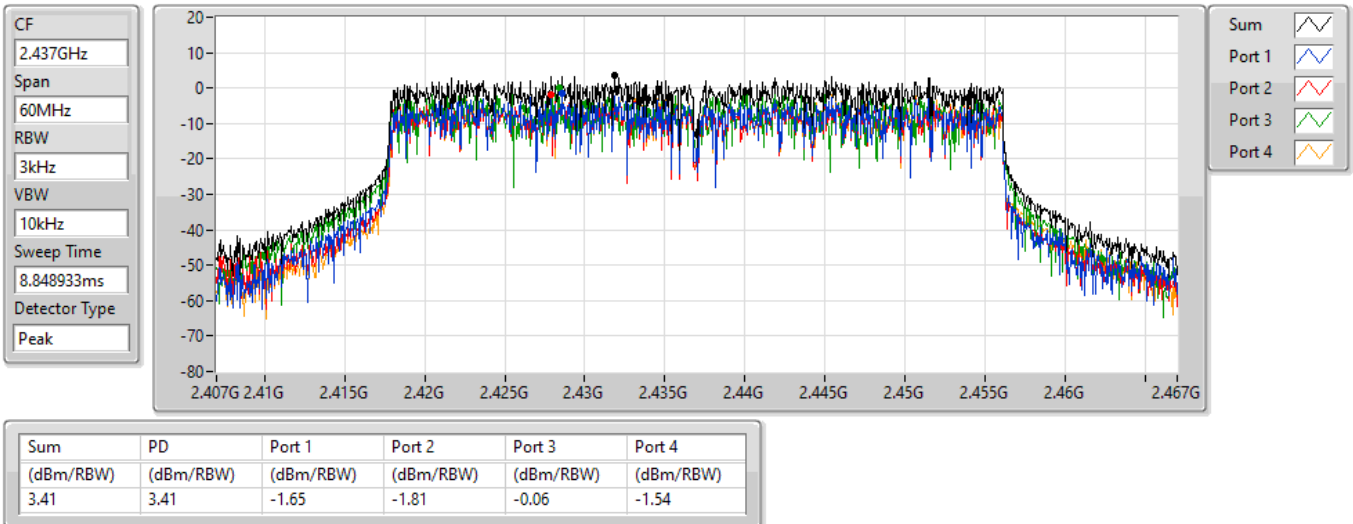
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.06	2.06	-4.21	-4.61	-3.28	-3.86

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

28/02/2022

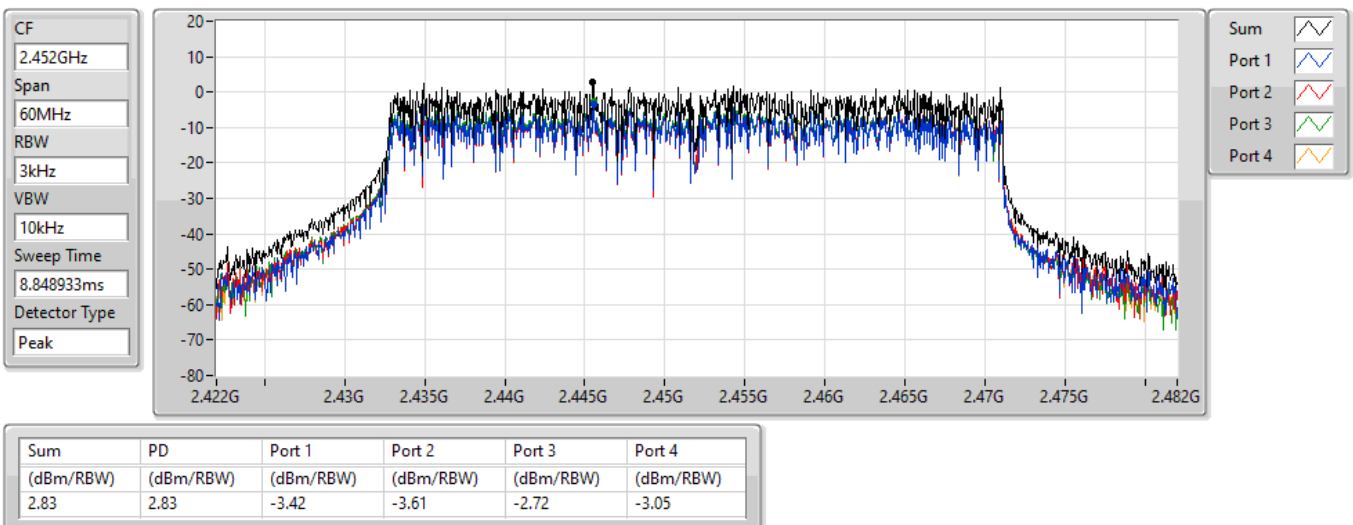


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

28/02/2022



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	2.43599G	15.19	-14.81	2.13807G	-48.51	2.39952G	-31.36	2.4G	-35.17	2.49092G	-46.79	7.23514G	-32.14	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43636G	9.53	-20.47	1.98604G	-48.88	2.39988G	-23.04	2.4G	-24.92	2.50606G	-47.08	7.23233G	-39.34	1
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43294G	8.51	-21.49	2.17302G	-48.67	2.39994G	-25.74	2.4G	-25.70	2.51356G	-47.43	7.22952G	-41.32	4
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.44739G	0.79	-29.21	2.02888G	-48.46	2.4G	-29.49	2.4G	-29.94	2.5505G	-46.01	6.66938G	-44.28	1

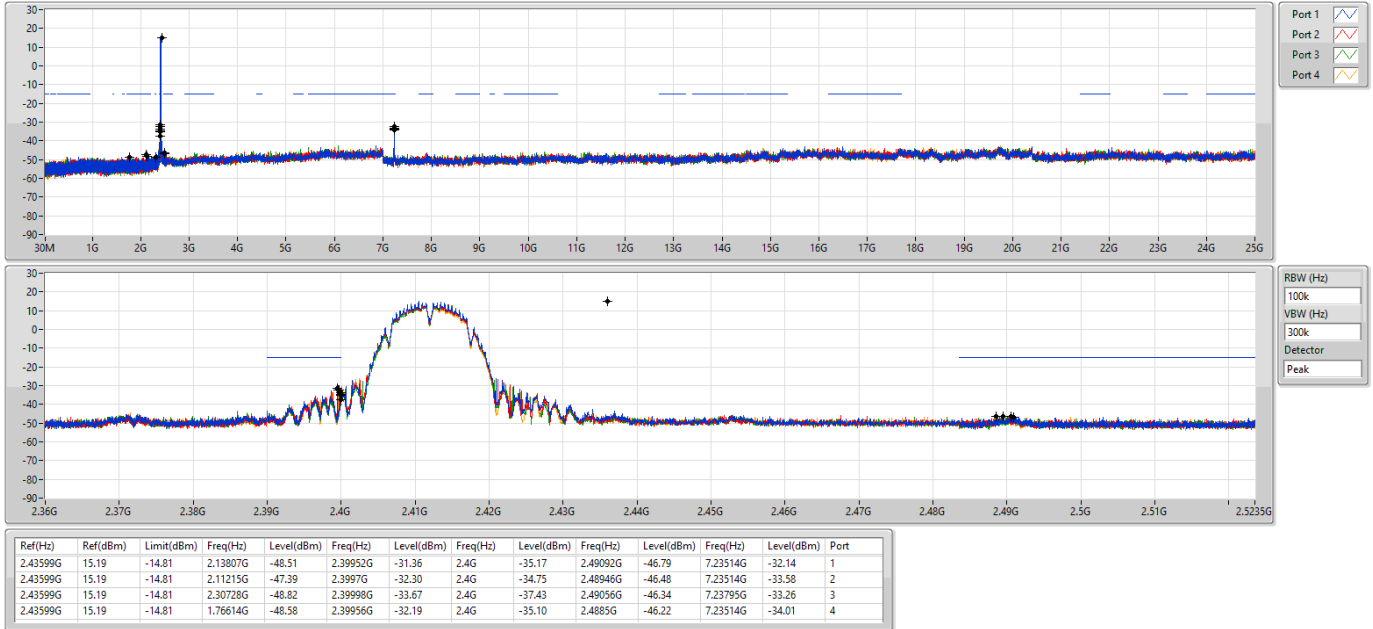
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	15.19	-14.81	2.13807G	-48.51	2.39952G	-31.36	2.4G	-35.17	2.49092G	-46.79	7.23514G	-32.14	1
2412MHz	Pass	2.43599G	15.19	-14.81	2.11215G	-47.39	2.3997G	-32.30	2.4G	-34.75	2.48946G	-46.48	7.23514G	-33.58	2
2412MHz	Pass	2.43599G	15.19	-14.81	2.30728G	-48.82	2.39998G	-33.67	2.4G	-37.43	2.49056G	-46.34	7.23795G	-33.26	3
2412MHz	Pass	2.43599G	15.19	-14.81	1.76614G	-48.58	2.39956G	-32.19	2.4G	-35.10	2.4885G	-46.22	7.23514G	-34.01	4
2437MHz	Pass	2.43599G	15.19	-14.81	2.30146G	-48.55	2.39598G	-45.00	2.4G	-47.41	2.51622G	-46.60	16.43926G	-42.39	1
2437MHz	Pass	2.43599G	15.19	-14.81	2.30146G	-48.38	2.39752G	-45.56	2.4G	-48.87	2.51386G	-45.98	15.23396G	-43.16	2
2437MHz	Pass	2.43599G	15.19	-14.81	2.30903G	-48.76	2.39636G	-44.75	2.4G	-49.70	2.51544G	-46.30	5.92869G	-43.51	3
2437MHz	Pass	2.43599G	15.19	-14.81	1.98691G	-48.55	2.39642G	-44.29	2.4G	-48.67	2.51432G	-46.75	5.86688G	-43.26	4
2462MHz	Pass	2.43599G	15.19	-14.81	2.11186G	-49.02	2.39748G	-47.07	2.4835G	-48.96	2.48398G	-45.04	6.27708G	-43.70	1
2462MHz	Pass	2.43599G	15.19	-14.81	2.19399G	-48.18	2.39208G	-47.31	2.4835G	-46.27	2.48448G	-46.47	5.79945G	-43.27	2
2462MHz	Pass	2.43599G	15.19	-14.81	2.19894G	-48.79	2.39688G	-46.90	2.4835G	-48.80	2.50144G	-45.93	6.96823G	-43.19	3
2462MHz	Pass	2.43599G	15.19	-14.81	2.30699G	-48.36	2.39794G	-48.17	2.4835G	-46.71	2.50096G	-46.46	16.47298G	-43.36	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43636G	9.53	-20.47	1.98604G	-48.88	2.39988G	-23.04	2.4G	-24.92	2.50606G	-47.08	7.23233G	-39.34	1
2412MHz	Pass	2.43636G	9.53	-20.47	2.06118G	-47.56	2.3999G	-23.33	2.4G	-24.23	2.50854G	-47.01	7.23233G	-38.67	2
2412MHz	Pass	2.43636G	9.53	-20.47	541.44M	-48.84	2.39992G	-23.46	2.4G	-24.81	2.49688G	-47.42	7.23795G	-39.64	3
2412MHz	Pass	2.43636G	9.53	-20.47	2.14506G	-48.24	2.3999G	-23.50	2.4G	-24.07	2.49074G	-47.72	7.23514G	-39.08	4
2437MHz	Pass	2.43636G	9.53	-20.47	2.30321G	-48.52	2.39954G	-44.82	2.4G	-46.65	2.49922G	-45.39	6.62265G	-43.46	1
2437MHz	Pass	2.43636G	9.53	-20.47	959.38M	-48.97	2.39978G	-45.29	2.4G	-49.06	2.48884G	-46.98	6.88113G	-43.49	2
2437MHz	Pass	2.43636G	9.53	-20.47	843.75M	-47.53	2.39936G	-45.92	2.4G	-48.08	2.51294G	-46.63	15.3042G	-44.02	3
2437MHz	Pass	2.43636G	9.53	-20.47	2.08972G	-48.72	2.39824G	-45.13	2.4G	-47.54	2.48468G	-46.35	6.92608G	-42.47	4
2462MHz	Pass	2.43636G	9.53	-20.47	2.30146G	-48.17	2.3977G	-47.17	2.4835G	-47.80	2.48476G	-45.03	17.66704G	-42.70	1
2462MHz	Pass	2.43636G	9.53	-20.47	867.34M	-48.71	2.39634G	-47.82	2.4835G	-47.12	2.48356G	-43.45	16.37183G	-43.64	2
2462MHz	Pass	2.43636G	9.53	-20.47	1.91905G	-48.68	2.39568G	-48.22	2.4835G	-47.63	2.4844G	-46.21	6.97666G	-42.58	3
2462MHz	Pass	2.43636G	9.53	-20.47	2.30117G	-48.12	2.3911G	-48.08	2.4835G	-48.63	2.48448G	-44.79	6.92327G	-43.74	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43294G	8.51	-21.49	1.78536G	-48.63	2.4G	-31.44	2.4G	-31.42	2.52208G	-46.16	7.23795G	-40.69	1
2412MHz	Pass	2.43294G	8.51	-21.49	2.30466G	-47.78	2.39978G	-28.73	2.4G	-29.28	2.48862G	-47.14	17.69795G	-42.20	2
2412MHz	Pass	2.43294G	8.51	-21.49	2.19049G	-48.29	2.39998G	-27.52	2.4G	-27.23	2.52204G	-47.44	7.23795G	-41.82	3
2412MHz	Pass	2.43294G	8.51	-21.49	2.17302G	-48.67	2.39994G	-25.74	2.4G	-25.70	2.51356G	-47.43	7.22952G	-41.32	4
2437MHz	Pass	2.43294G	8.51	-21.49	879.58M	-48.09	2.39612G	-43.25	2.4G	-48.10	2.49406G	-46.84	16.26226G	-44.12	1
2437MHz	Pass	2.43294G	8.51	-21.49	769.48M	-49.06	2.39732G	-44.21	2.4835G	-48.94	2.49856G	-46.38	6.94856G	-43.63	2
2437MHz	Pass	2.43294G	8.51	-21.49	2.05186G	-48.99	2.39586G	-43.84	2.4835G	-49.07	2.50588G	-47.00	5.83878G	-43.91	3
2437MHz	Pass	2.43294G	8.51	-21.49	2.30583G	-48.14	2.39652G	-41.93	2.4G	-48.01	2.48432G	-46.56	17.68671G	-43.98	4
2462MHz	Pass	2.43294G	8.51	-21.49	906.08M	-48.80	2.39168G	-47.21	2.4835G	-47.19	2.48452G	-45.03	6.49341G	-44.08	1
2462MHz	Pass	2.43294G	8.51	-21.49	843.17M	-47.90	2.39348G	-48.03	2.4835G	-45.84	2.48366G	-44.63	5.79383G	-43.31	2
2462MHz	Pass	2.43294G	8.51	-21.49	729.29M	-47.88	2.3986G	-47.55	2.4835G	-47.33	2.49622G	-46.31	17.68109G	-42.69	3
2462MHz	Pass	2.43294G	8.51	-21.49	903.17M	-49.34	2.3933G	-48.43	2.4835G	-48.42	2.48364G	-45.84	6.95418G	-42.32	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44739G	0.79	-29.21	2.02888G	-48.46	2.4G	-29.49	2.4G	-29.94	2.5505G	-46.01	6.66938G	-44.28	1
2422MHz	Pass	2.44739G	0.79	-29.21	2.19119G	-48.62	2.4G	-31.45	2.4G	-31.33	2.51862G	-47.05	5.87288G	-43.46	2
2422MHz	Pass	2.44739G	0.79	-29.21	911.08M	-48.58	2.39992G	-38.61	2.4G	-39.17	2.48786G	-47.18	16.88921G	-43.52	3
2422MHz	Pass	2.44739G	0.79	-29.21	2.19806G	-48.18	2.4G	-33.85	2.4G	-33.10	2.54682G	-47.09	5.83082G	-43.63	4
2437MHz	Pass	2.44739G	0.79	-29.21	924.53M	-48.69	2.39276G	-46.76	2.4G	-47.22	2.4881G	-46.77	17.64363G	-44.24	1
2437MHz	Pass	2.44739G	0.79	-29.21	860.13M	-48.73	2.39916G	-43.22	2.4G	-46.18	2.49262G	-46.21	6.9919G	-43.48	2
2437MHz	Pass	2.44739G	0.79	-29.21	1.7601G	-49.08	2.39908G	-44.73	2.4G	-47.67	2.49486G	-47.30	16.23574G	-43.16	3
2437MHz	Pass	2.44739G	0.79	-29.21	2.30454G	-49.10	2.39716G	-45.46	2.4G	-47.91	2.4989G	-46.52	6.78717G	-43.60	4
2452MHz	Pass	2.44739G	0.79	-29.21	886.75M	-49.28	2.3994G	-47.73	2.4835G	-47.67	2.48898G	-44.52	6.90777G	-44.22	1
2452MHz	Pass	2.44739G	0.79	-29.21	2.30683G	-49.05	2.39528G	-46.56	2.4835G	-46.49	2.48378G	-43.29	16.519G	-43.57	2
2452MHz	Pass	2.44739G	0.79	-29.21	2.30855G	-48.04	2.39168G	-47.80	2.4835G	-49.36	2.48966G	-46.30	6.98349G	-43.53	3
2452MHz	Pass	2.44739G	0.79	-29.21	957.45M	-48.33	2.39748G	-48.04	2.4835G	-48.68	2.48414G	-46.13	15.21208G	-43.51	4

802.11b_Nss1,(1Mbps)_4TX

CSENdB

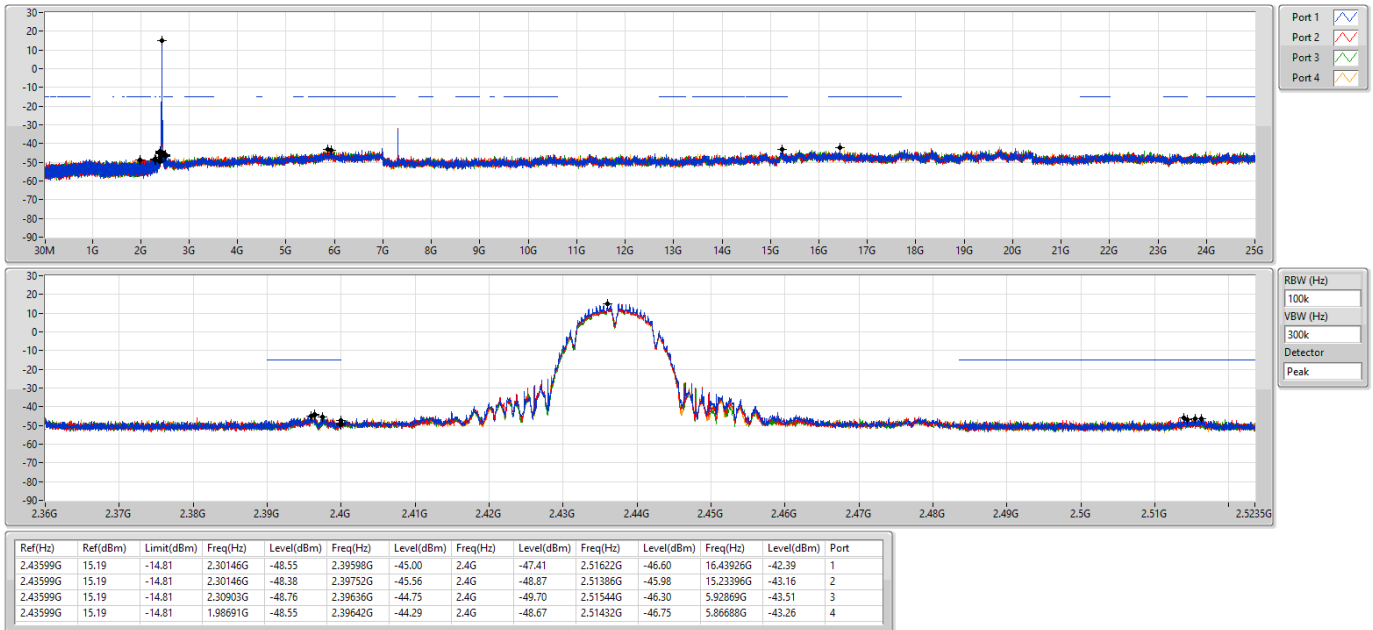
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSENdB

2437MHz

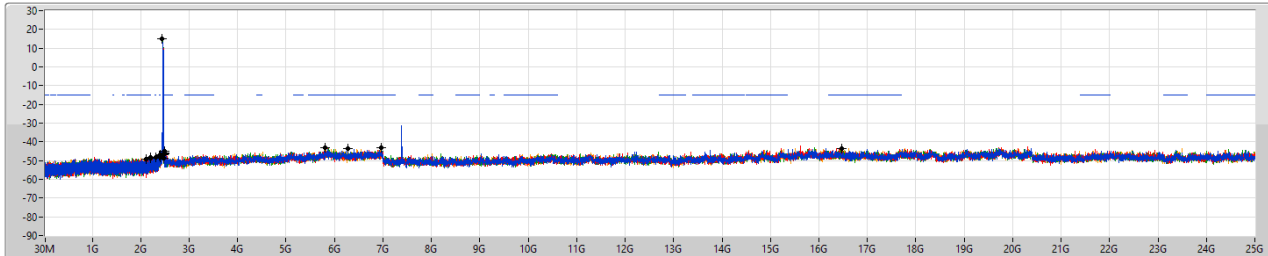


802.11b_Nss1,(1Mbps)_4TX

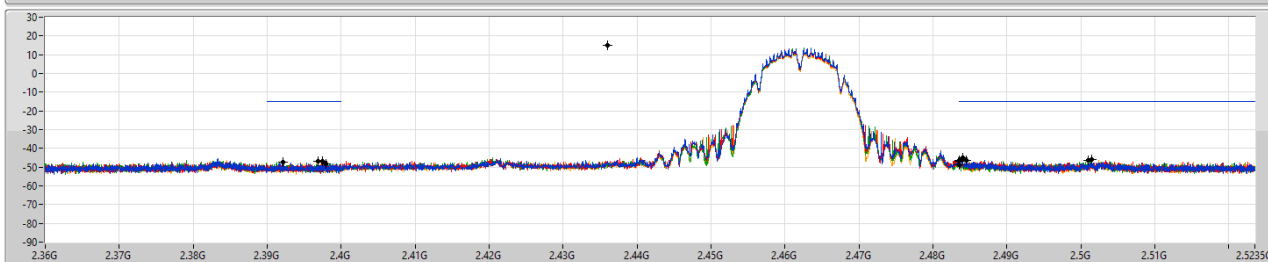
2462MHz

CSENdB

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

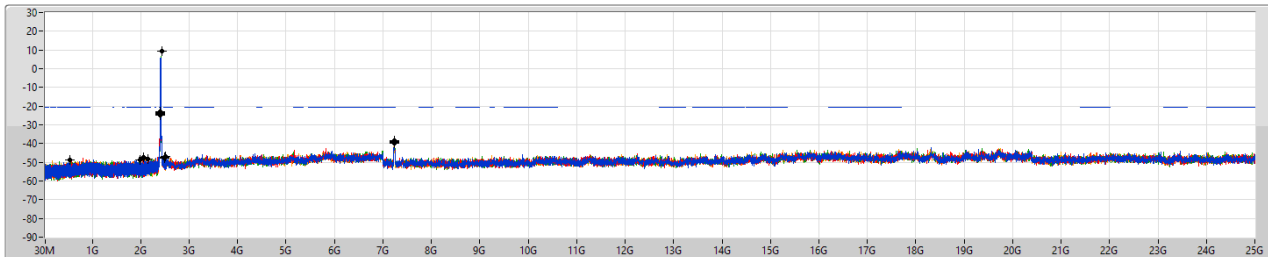
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	15.19	-14.81	2.11186G	-49.02	2.39748G	-47.07	2.4835G	-48.96	2.48398G	-45.04	6.27708G	-43.70	1
2.43599G	15.19	-14.81	2.19399G	-48.18	2.39208G	-47.31	2.4835G	-46.27	2.48448G	-46.47	5.79945G	-43.27	2
2.43599G	15.19	-14.81	2.19894G	-48.79	2.39688G	-46.90	2.4835G	-48.80	2.50144G	-45.93	6.96823G	-43.19	3
2.43599G	15.19	-14.81	2.30699G	-48.36	2.39794G	-48.17	2.4835G	-46.71	2.50096G	-46.46	16.47298G	-43.36	4

802.11g_Nss1,(6Mbps)_4TX

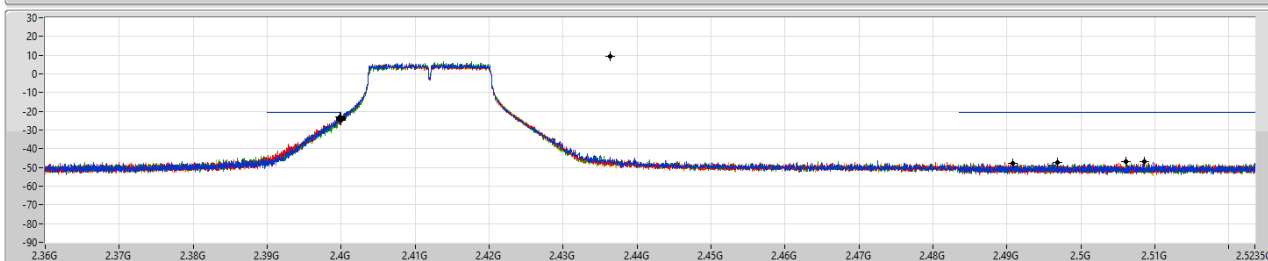
2412MHz

CSENdB

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

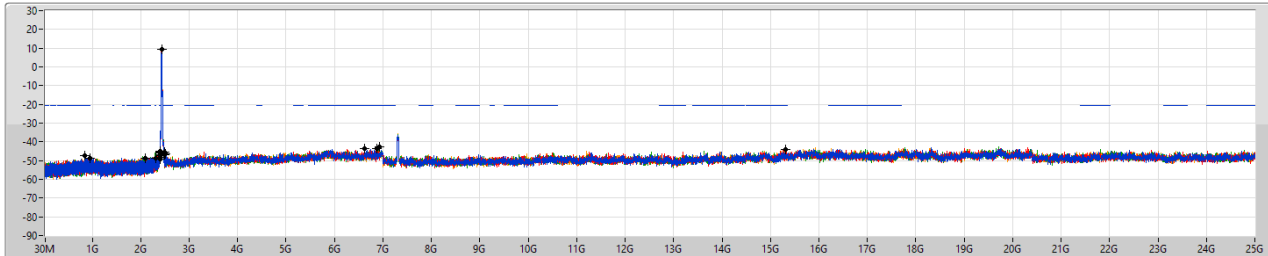
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43636G	9.53	-20.47	1.98604G	-48.88	2.39988G	-23.04	2.4G	-24.92	2.50606G	-47.08	7.23233G	-39.34	1
2.43636G	9.53	-20.47	2.06119G	-47.56	2.3999G	-23.33	2.4G	-24.23	2.50854G	-47.01	7.23233G	-38.67	2
2.43636G	9.53	-20.47	541.44M	-48.84	2.39992G	-23.46	2.4G	-24.81	2.49688G	-47.42	7.23795G	-39.64	3
2.43636G	9.53	-20.47	2.14506G	-48.24	2.3999G	-23.50	2.4G	-24.07	2.49074G	-47.72	7.23514G	-39.08	4

802.11g_Nss1,(6Mbps)_4TX

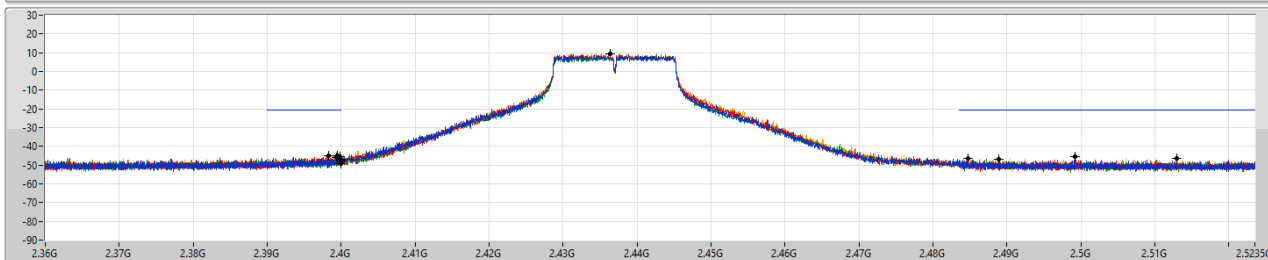
2437MHz

CSENdB

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

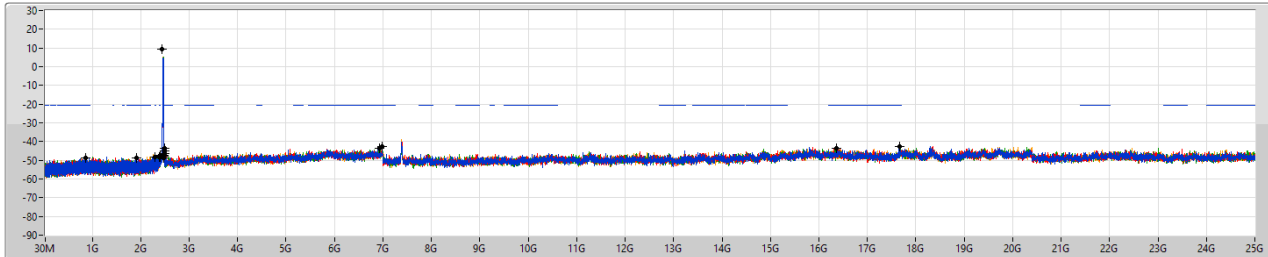
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43636G	9.53	-20.47	2.30321G	-48.52	2.39954G	-44.82	2.4G	-46.65	2.49922G	-45.39	6.62265G	-43.46	1
2.43636G	9.53	-20.47	959.38M	-48.97	2.39978G	-45.29	2.4G	-49.06	2.48884G	-46.98	6.88113G	-43.49	2
2.43636G	9.53	-20.47	843.75M	-47.53	2.39936G	-45.92	2.4G	-48.08	2.51294G	-46.63	15.3042G	-44.02	3
2.43636G	9.53	-20.47	2.08972G	-48.72	2.39824G	-45.13	2.4G	-47.54	2.48468G	-46.35	6.92608G	-42.47	4

802.11g_Nss1,(6Mbps)_4TX

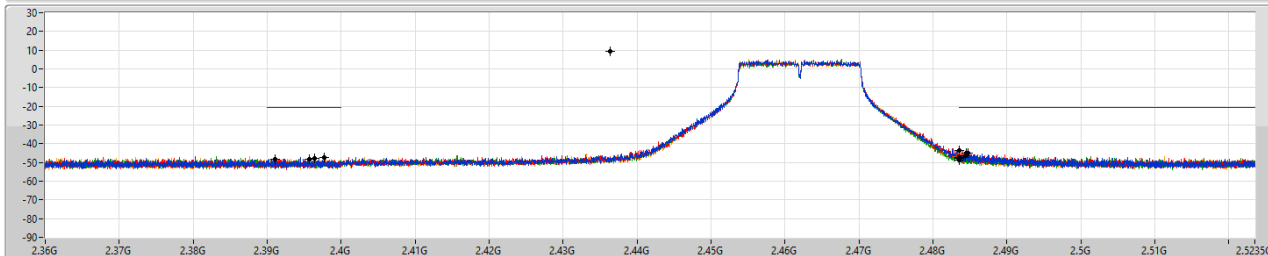
2462MHz

CSENdB

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

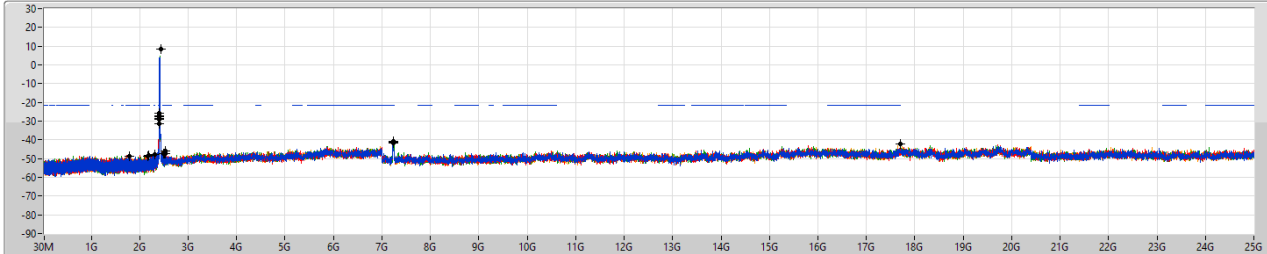
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43636G	9.53	-20.47	2.30146G	-48.17	2.3977G	-47.17	2.4835G	-47.80	2.48476G	-45.03	17.66704G	-42.70	1
2.43636G	9.53	-20.47	867.34M	-48.71	2.39634G	-47.82	2.4835G	-47.12	2.48356G	-43.45	16.37183G	-43.64	2
2.43636G	9.53	-20.47	1.91905G	-48.68	2.39568G	-48.22	2.4835G	-47.63	2.4844G	-46.21	6.97666G	-42.58	3
2.43636G	9.53	-20.47	2.30117G	-48.12	2.3911G	-48.08	2.4835G	-48.63	2.48448G	-44.79	6.92327G	-43.74	4

802.11ax HEW20_Nss1,(MCS0)_4TX

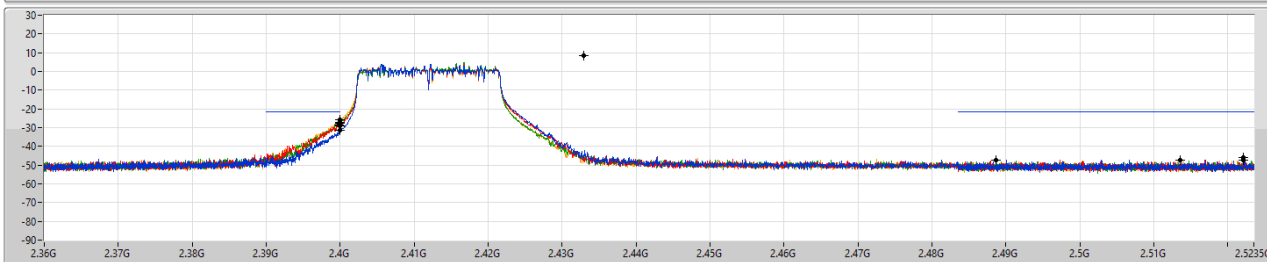
CSENdB

2412MHz

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

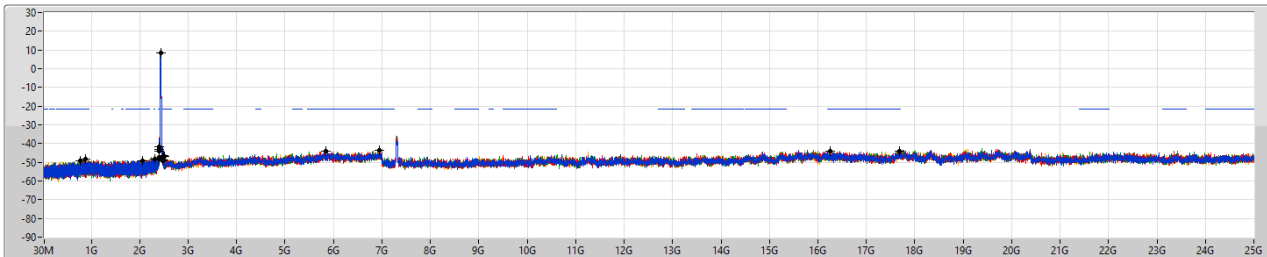
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2.43294G	8.51	-21.49	1.78536G	-48.63	2.4G	-31.44	2.4G	-31.42	2.52208G	-46.16	7.23795G	-40.69	1
2.43294G	8.51	-21.49	2.30466G	-47.78	2.39978G	-28.73	2.4G	-29.28	2.48862G	-47.14	17.69795G	-42.20	2
2.43294G	8.51	-21.49	2.19049G	-48.29	2.39998G	-27.52	2.4G	-27.23	2.52204G	-47.44	7.23795G	-41.82	3
2.43294G	8.51	-21.49	2.17302G	-48.67	2.39994G	-25.74	2.4G	-25.70	2.51356G	-47.43	7.22952G	-41.32	4

802.11ax HEW20_Nss1,(MCS0)_4TX

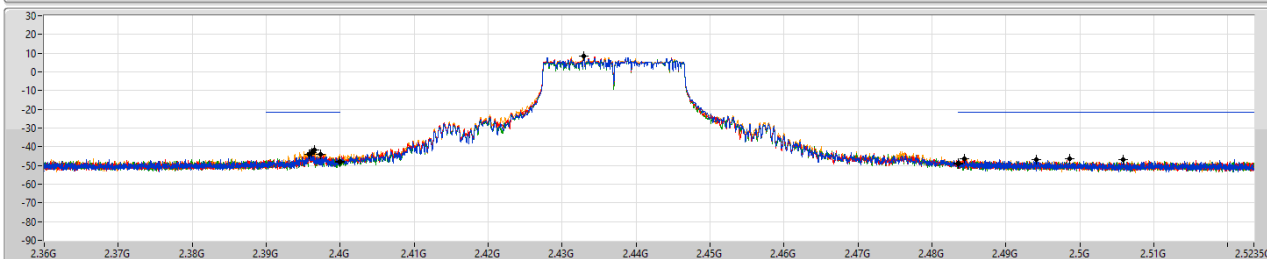
CSENdB

2437MHz

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

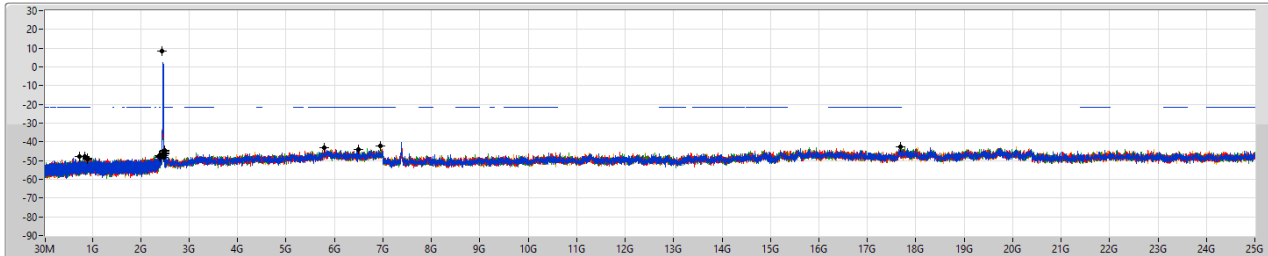
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2.43294G	8.51	-21.49	879.58M	-48.09	2.39612G	-43.25	2.4G	-48.10	2.49406G	-46.84	16.26226G	-44.12	1
2.43294G	8.51	-21.49	769.48M	-49.06	2.39732G	-44.21	2.4835G	-48.94	2.48656G	-46.38	6.94856G	-43.63	2
2.43294G	8.51	-21.49	2.05166G	-48.99	2.39586G	-43.94	2.4835G	-49.07	2.50588G	-47.00	5.83878G	-43.91	3
2.43294G	8.51	-21.49	2.30583G	-48.14	2.39652G	-41.93	2.4G	-48.01	2.48432G	-46.56	17.68671G	-43.98	4

802.11ax HEW20_Nss1,(MCS0)_4TX

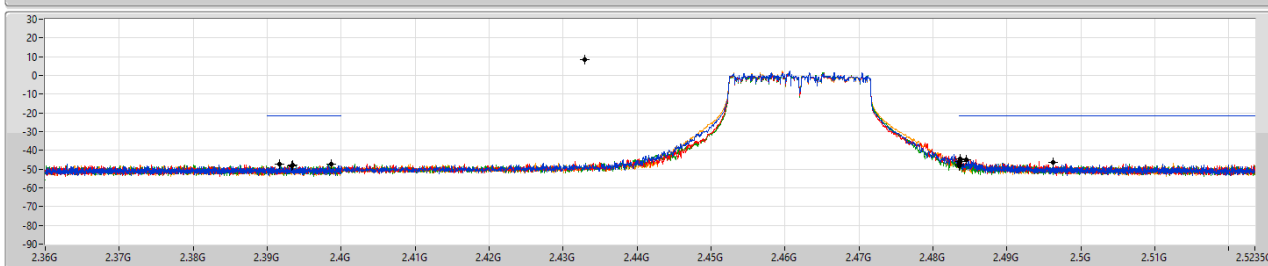
CSENdB

2462MHz

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

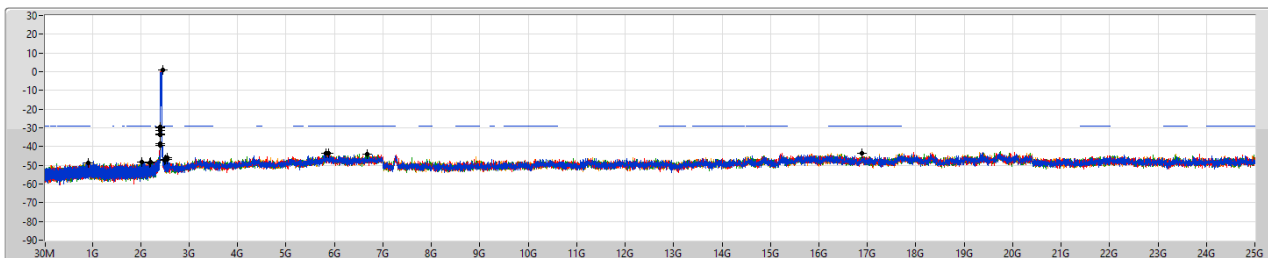
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43294G	8.51	-21.49	906.08M	-48.80	2.39168G	-47.21	2.4835G	-47.19	2.48452G	-45.03	6.49341G	-44.08	1
2.43294G	8.51	-21.49	843.17M	-47.90	2.39348G	-48.03	2.4835G	-45.84	2.48366G	-44.63	5.79383G	-43.31	2
2.43294G	8.51	-21.49	729.29M	-47.88	2.3986G	-47.55	2.4835G	-47.33	2.49622G	-46.31	17.68109G	-42.69	3
2.43294G	8.51	-21.49	903.17M	-49.34	2.3933G	-48.43	2.4835G	-48.42	2.48364G	-45.84	6.99418G	-42.32	4

802.11ax HEW40_Nss1,(MCS0)_4TX

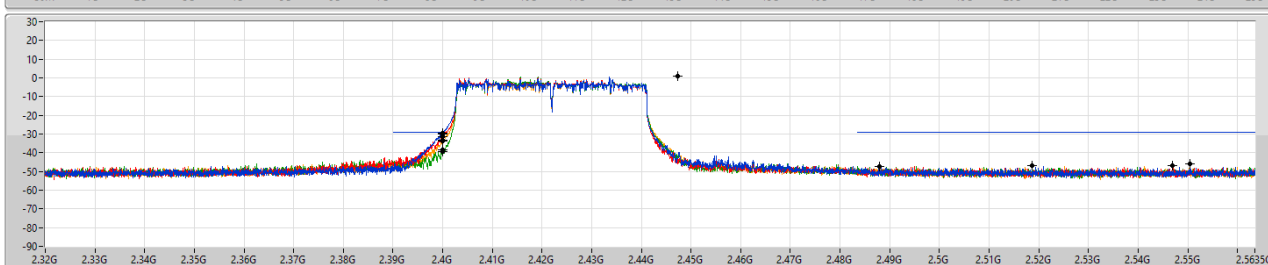
CSENdB

2422MHz

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

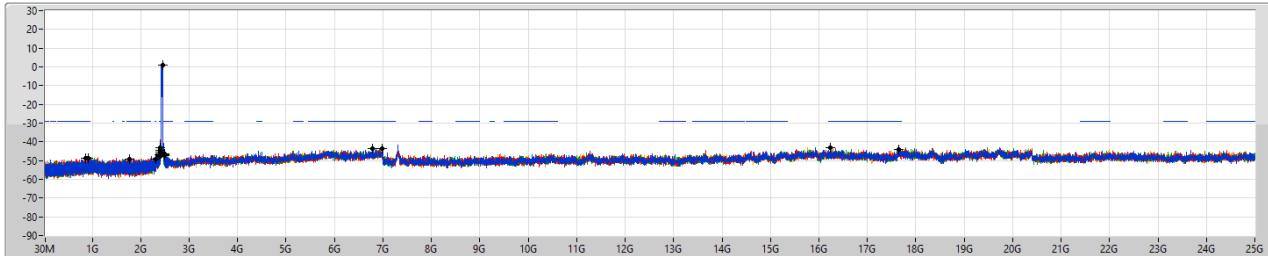
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44739G	0.79	-29.21	2.02888G	-48.46	2.4G	-29.49	2.4G	-29.94	2.5505G	-46.01	6.66938G	-44.28	1
2.44739G	0.79	-29.21	2.19119G	-48.62	2.4G	-31.45	2.4G	-31.33	2.51863G	-47.05	5.87288G	-43.46	2
2.44739G	0.79	-29.21	911.08M	-48.58	2.39992G	-38.61	2.4G	-39.17	2.46786G	-47.18	16.68921G	-43.52	3
2.44739G	0.79	-29.21	2.19806G	-48.18	2.4G	-33.85	2.4G	-33.10	2.54682G	-47.09	5.83082G	-43.63	4

802.11ax HEW40_Nss1,(MCS0)_4TX

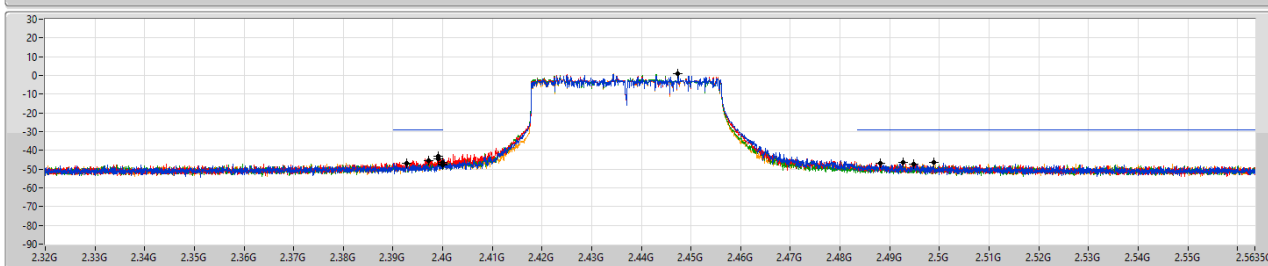
CSENdB

2437MHz

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

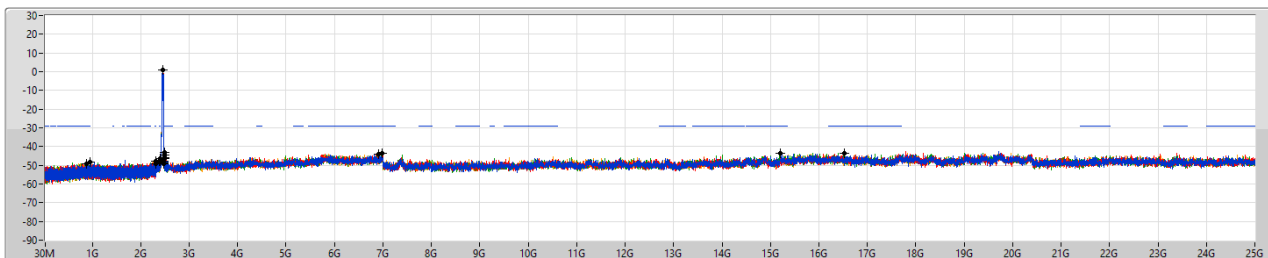
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44739G	0.79	-29.21	924.53M	-48.69	2.39276G	-46.76	2.4G	-47.22	2.4881G	-46.77	17.6436G	-44.24	1
2.44739G	0.79	-29.21	860.13M	-48.73	2.39916G	-43.22	2.4G	-46.18	2.49262G	-46.21	6.9919G	-43.48	2
2.44739G	0.79	-29.21	1.7601G	-49.08	2.39908G	-44.73	2.4G	-47.67	2.49486G	-47.30	16.23574G	-43.16	3
2.44739G	0.79	-29.21	2.30454G	-49.10	2.39716G	-45.46	2.4G	-47.91	2.4989G	-46.52	6.78717G	-43.60	4

802.11ax HEW40_Nss1,(MCS0)_4TX

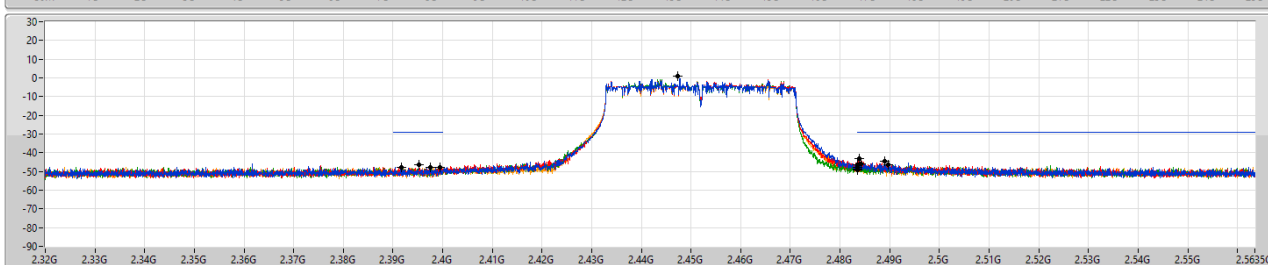
CSENdB

2452MHz

25/02/2022



Port 1
Port 2
Port 3
Port 4



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

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44739G	0.79	-29.21	886.75M	-49.28	2.3994G	-47.73	2.4835G	-47.67	2.48898G	-44.52	6.90777G	-44.22	1
2.44739G	0.79	-29.21	2.30683G	-49.05	2.39538G	-46.56	2.4835G	-46.49	2.48378G	-43.29	16.519G	-43.57	2
2.44739G	0.79	-29.21	2.30855G	-48.04	2.39168G	-47.80	2.4835G	-49.36	2.48966G	-46.30	6.98349G	-43.53	3
2.44739G	0.79	-29.21	957.45M	-48.33	2.39748G	-48.04	2.4835G	-48.68	2.48414G	-46.13	15.21208G	-43.51	4

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.43883G	5.93	-24.07	901.13M	-47.33	2.39992G	-25.22	2.4G	-24.91	2.51788G	-45.35	24.89043G	-39.65	1
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.4435G	5.19	-24.81	848.68M	-47.26	2.4G	-31.41	2.4G	-31.33	2.48906G	-46.25	23.44066G	-39.52	4

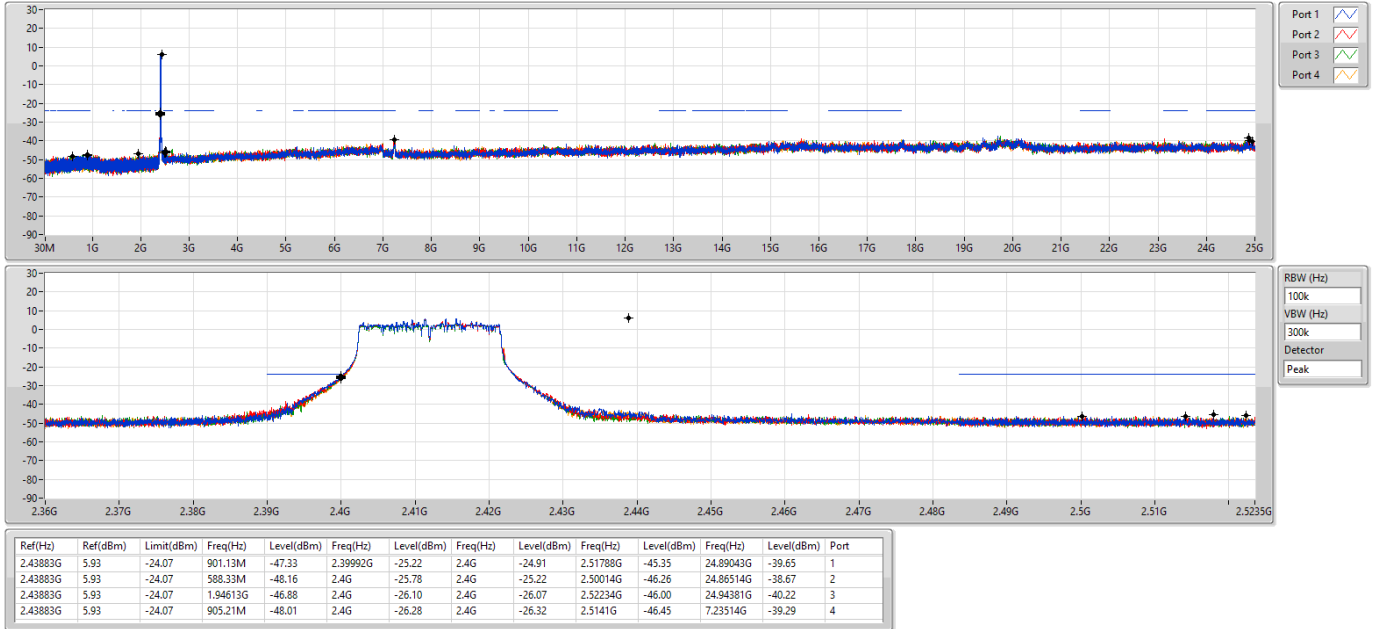
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43883G	5.93	-24.07	901.13M	-47.33	2.39992G	-25.22	2.4G	-24.91	2.51788G	-45.35	24.89043G	-39.65	1
2412MHz	Pass	2.43883G	5.93	-24.07	588.33M	-48.16	2.4G	-25.78	2.4G	-25.22	2.50014G	-46.26	24.86514G	-38.67	2
2412MHz	Pass	2.43883G	5.93	-24.07	1.94613G	-46.88	2.4G	-26.10	2.4G	-26.07	2.52234G	-46.00	24.94381G	-40.22	3
2412MHz	Pass	2.43883G	5.93	-24.07	905.21M	-48.01	2.4G	-26.28	2.4G	-26.32	2.5141G	-46.45	7.23514G	-39.29	4
2437MHz	Pass	2.43883G	5.93	-24.07	2.15583G	-46.70	2.39942G	-46.03	2.4G	-48.51	2.50332G	-45.49	24.48023G	-39.82	1
2437MHz	Pass	2.43883G	5.93	-24.07	807.35M	-46.32	2.3909G	-46.81	2.4G	-49.24	2.51724G	-46.70	24.88481G	-40.14	2
2437MHz	Pass	2.43883G	5.93	-24.07	2.09904G	-47.49	2.3982G	-46.37	2.4G	-49.29	2.48624G	-46.50	24.97471G	-39.94	3
2437MHz	Pass	2.43883G	5.93	-24.07	861.52M	-46.00	2.39722G	-46.76	2.4835G	-49.60	2.49188G	-46.43	23.21312G	-39.66	4
2462MHz	Pass	2.43883G	5.93	-24.07	1.96274G	-47.32	2.39676G	-45.81	2.4835G	-46.51	2.48354G	-42.78	24.52237G	-40.22	1
2462MHz	Pass	2.43883G	5.93	-24.07	689.68M	-47.71	2.39126G	-46.30	2.4835G	-44.87	2.48352G	-43.34	24.93538G	-39.80	2
2462MHz	Pass	2.43883G	5.93	-24.07	2.11215G	-47.35	2.3941G	-45.83	2.4G	-48.57	2.48392G	-45.04	15.30982G	-39.51	3
2462MHz	Pass	2.43883G	5.93	-24.07	934.62M	-47.78	2.39468G	-46.46	2.4835G	-47.22	2.48372G	-43.99	24.87638G	-38.57	4
802.11ax HEW40-BF_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4435G	5.19	-24.81	2.09472G	-47.95	2.4G	-33.85	2.4G	-33.55	2.54418G	-46.81	24.08291G	-40.01	1
2422MHz	Pass	2.4435G	5.19	-24.81	2.19033G	-46.32	2.4G	-33.54	2.4G	-33.48	2.5169G	-45.81	23.36214G	-39.32	2
2422MHz	Pass	2.4435G	5.19	-24.81	734.18M	-47.83	2.39992G	-33.34	2.4G	-32.94	2.54062G	-45.99	17.03224G	-39.71	3
2422MHz	Pass	2.4435G	5.19	-24.81	848.68M	-47.26	2.4G	-31.41	2.4G	-31.33	2.48906G	-46.25	23.44066G	-39.52	4
2437MHz	Pass	2.4435G	5.19	-24.81	922.81M	-47.35	2.3988G	-43.40	2.4G	-44.13	2.48418G	-43.78	15.02417G	-40.24	1
2437MHz	Pass	2.4435G	5.19	-24.81	639.43M	-47.54	2.39828G	-40.81	2.4G	-42.23	2.48742G	-43.92	17.16686G	-39.26	2
2437MHz	Pass	2.4435G	5.19	-24.81	927.97M	-46.51	2.39996G	-41.90	2.4G	-41.46	2.48638G	-45.46	15.02417G	-39.70	3
2437MHz	Pass	2.4435G	5.19	-24.81	2.19405G	-47.70	2.39764G	-41.76	2.4G	-46.52	2.48406G	-43.75	24.00158G	-39.79	4
2452MHz	Pass	2.4435G	5.19	-24.81	815.76M	-47.16	2.39828G	-47.45	2.4835G	-43.82	2.48422G	-42.33	24.86258G	-39.18	1
2452MHz	Pass	2.4435G	5.19	-24.81	894.76M	-47.69	2.3996G	-46.62	2.4835G	-45.46	2.4865G	-42.85	15.2878G	-39.35	2
2452MHz	Pass	2.4435G	5.19	-24.81	660.32M	-47.96	2.395G	-47.22	2.4835G	-46.88	2.48786G	-45.12	24.87099G	-39.27	3
2452MHz	Pass	2.4435G	5.19	-24.81	829.78M	-47.44	2.4G	-46.41	2.4835G	-46.74	2.48806G	-44.94	24.96354G	-39.55	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSENdB

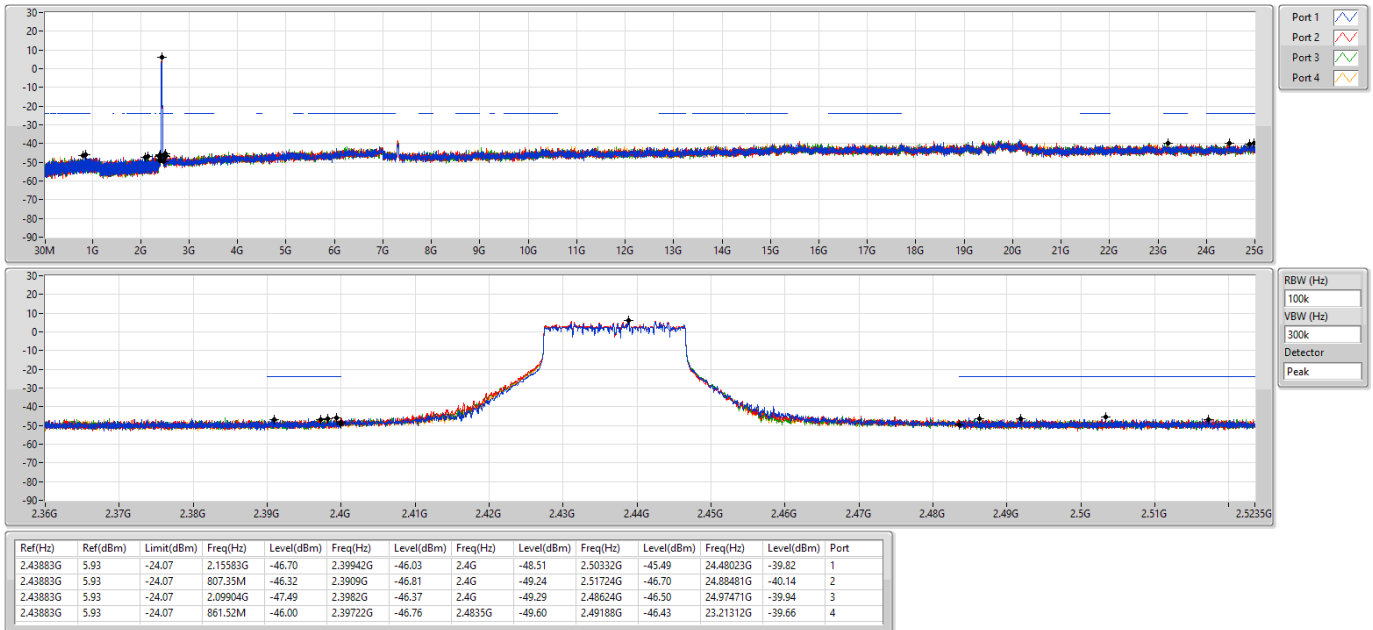
2412MHz



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSENdB

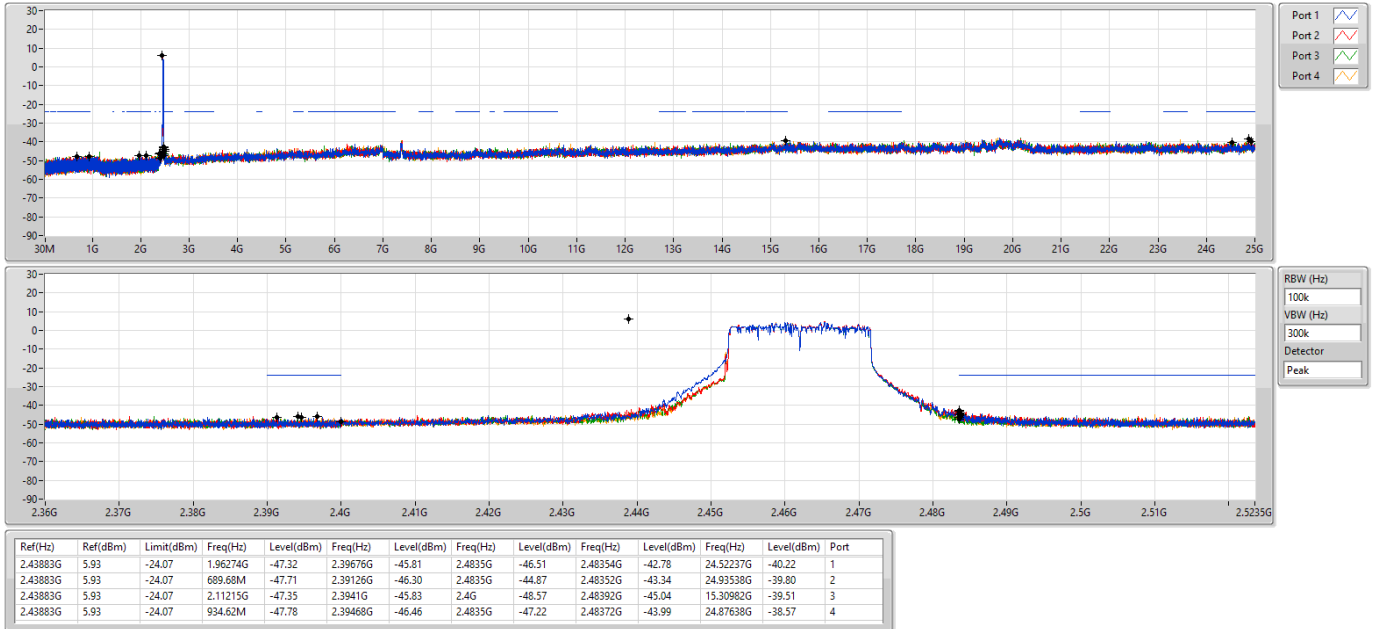
2437MHz



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSENdB

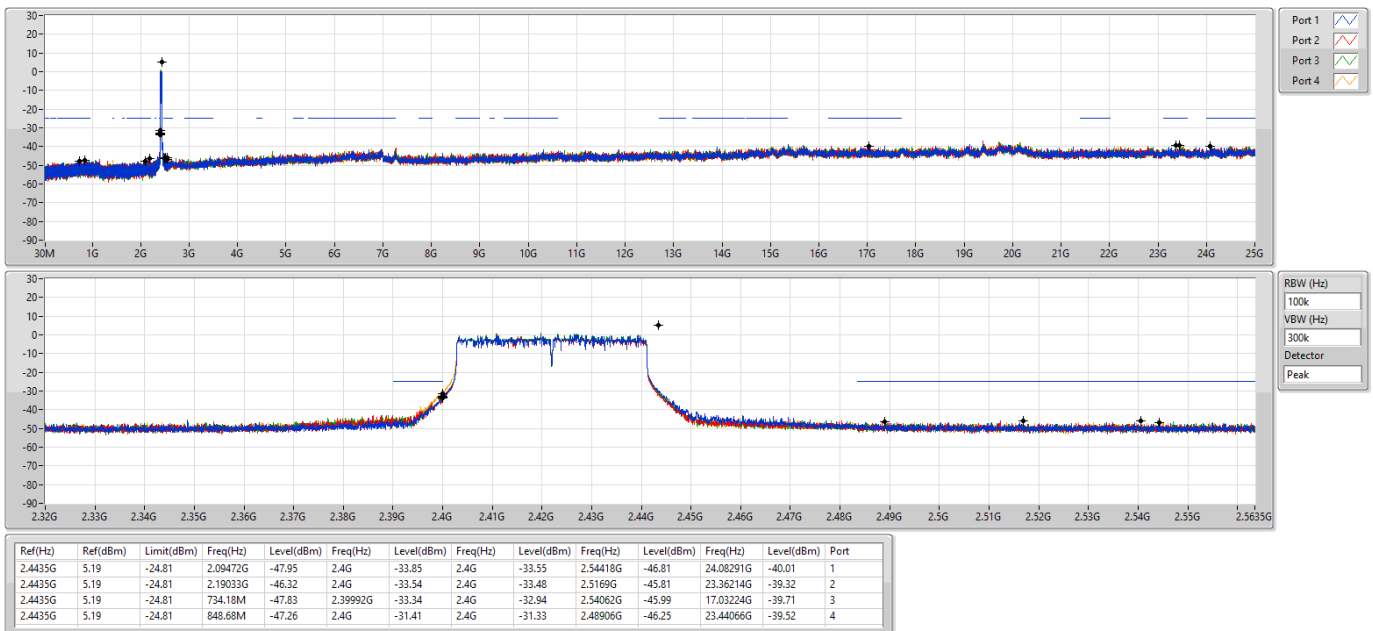
2462MHz



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdB

2422MHz

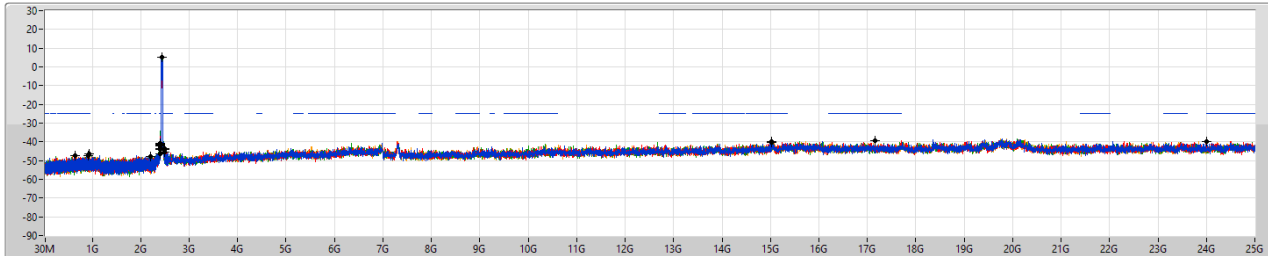


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

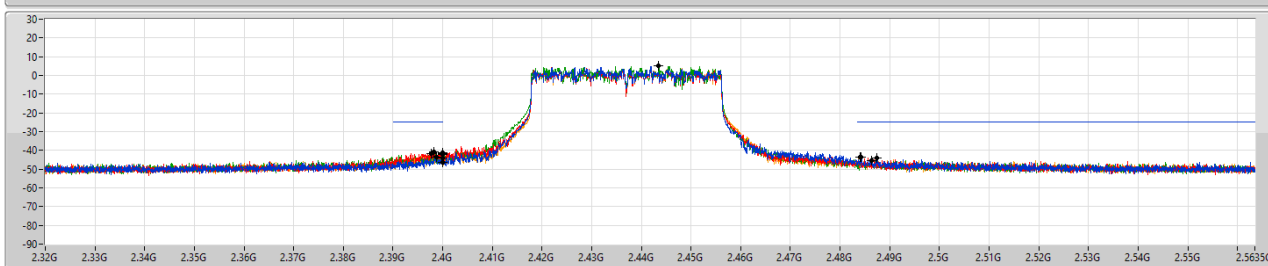
CSENdB

2437MHz

28/02/2022



Port 1
Port 2
Port 3
Port 4



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

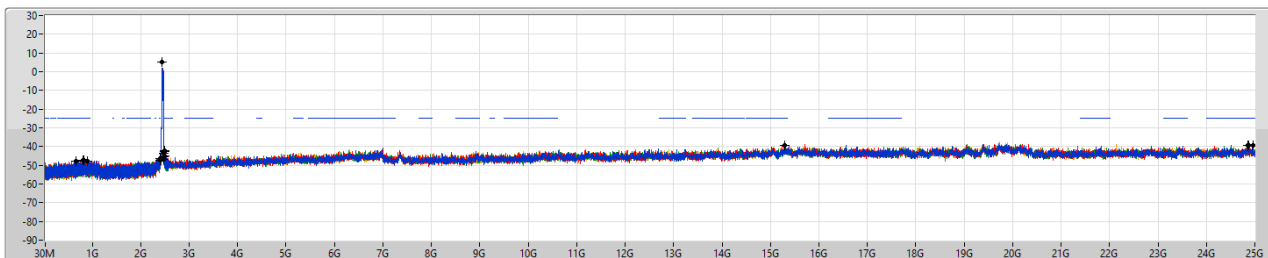
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4435G	5.19	-24.81	922.81M	-47.35	2.3988G	-43.40	2.4G	-44.13	2.48418G	-43.78	15.02417G	-40.24	1
2.4435G	5.19	-24.81	639.43M	-47.54	2.39828G	-40.81	2.4G	-42.23	2.48742G	-43.92	17.16886G	-39.26	2
2.4435G	5.19	-24.81	927.97M	-46.51	2.39996G	-41.90	2.4G	-41.46	2.48638G	-45.46	15.02417G	-39.70	3
2.4435G	5.19	-24.81	2.19405G	-47.70	2.39764G	-41.76	2.4G	-46.52	2.48406G	-43.75	24.00198G	-39.79	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

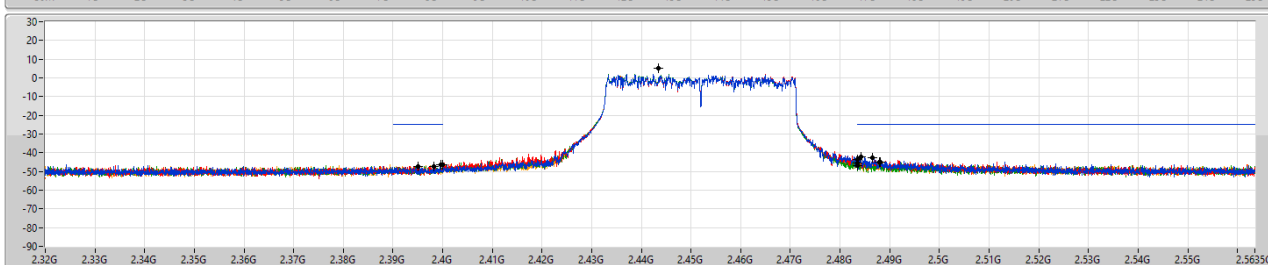
CSENdB

2452MHz

28/02/2022



Port 1
Port 2
Port 3
Port 4



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

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4435G	5.19	-24.81	815.76M	-47.16	2.39828G	-47.45	2.4835G	-43.82	2.48423G	-42.33	24.86258G	-39.18	1
2.4435G	5.19	-24.81	894.76M	-47.69	2.3996G	-46.62	2.4835G	-45.46	2.4865G	-42.85	15.2878G	-39.35	2
2.4435G	5.19	-24.81	660.32M	-47.96	2.395G	-47.22	2.4835G	-46.88	2.48786G	-45.12	24.87099G	-39.27	3
2.4435G	5.19	-24.81	829.78M	-47.44	2.4G	-46.41	2.4835G	-46.74	2.48806G	-44.94	24.96354G	-39.55	4



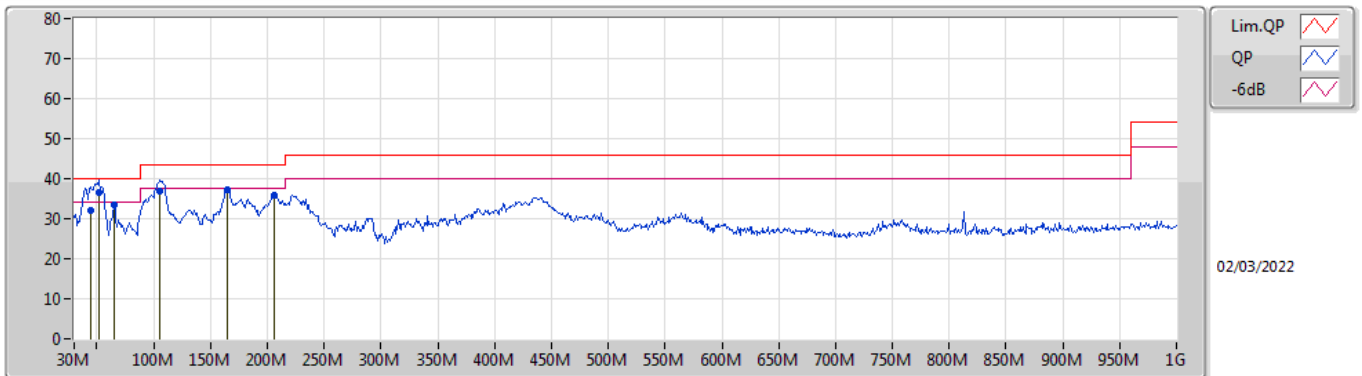
Radiated Emissions below 1GHz

Appendix F.1

Summary

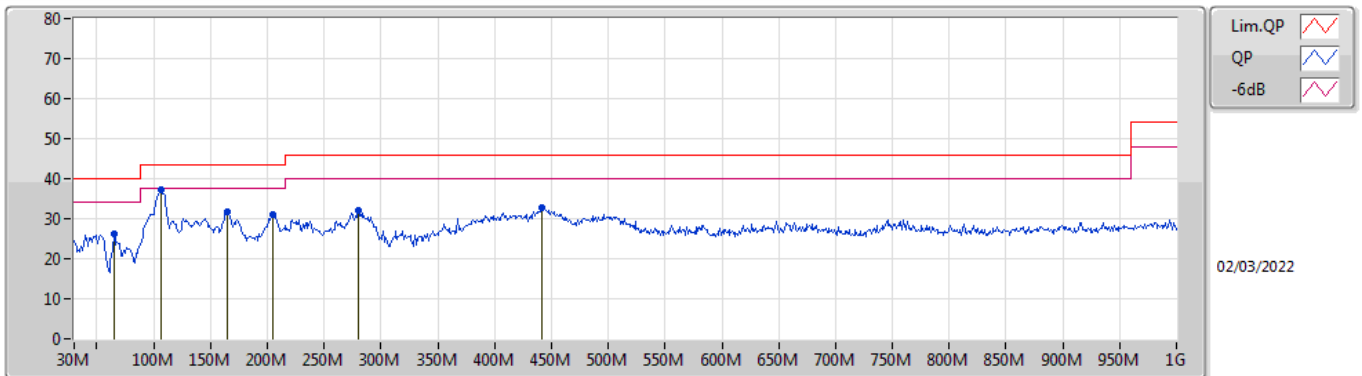
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	51.34M	36.41	40.00	-3.59	Vertical

Mode 3



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	44.55M	32.24	40.00	-7.76	-15.49	3	Vertical	0	1.25	-	47.73	15.70	0.60	31.79
QP	51.34M	36.41	40.00	-3.59	-18.34	3	Vertical	359	1.00	"Worst"	54.75	12.87	0.63	31.84
PK	64.92M	33.44	40.00	-6.56	-19.78	3	Vertical	359	2.00	-	53.22	11.41	0.70	31.89
QP	105.66M	36.83	43.50	-6.67	-14.62	3	Vertical	36	1.00	-	51.45	16.45	0.83	31.90
PK	164.83M	37.34	43.50	-6.16	-16.06	3	Vertical	147	1.00	-	53.40	14.82	1.02	31.90
PK	206.54M	35.99	43.50	-7.51	-16.21	3	Vertical	360	1.25	-	52.20	14.48	1.21	31.90

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	64.92M	26.37	40.00	-13.63	-19.78	3	Horizontal	79	2.00	-	46.15	11.41	0.70	31.89
PK	106.63M	37.13	43.50	-6.37	-14.54	3	Horizontal	93	2.00	"Worst"	51.67	16.53	0.83	31.90
PK	164.83M	31.64	43.50	-11.86	-16.06	3	Horizontal	260	1.50	-	47.70	14.82	1.02	31.90
PK	204.6M	30.92	43.50	-12.58	-16.17	3	Horizontal	242	1.25	-	47.09	14.51	1.21	31.89
PK	280.26M	32.20	46.00	-13.80	-12.60	3	Horizontal	147	1.00	-	44.80	18.00	1.36	31.96
PK	441.28M	32.93	46.00	-13.07	-8.72	3	Horizontal	306	1.00	-	41.65	21.71	1.68	32.11

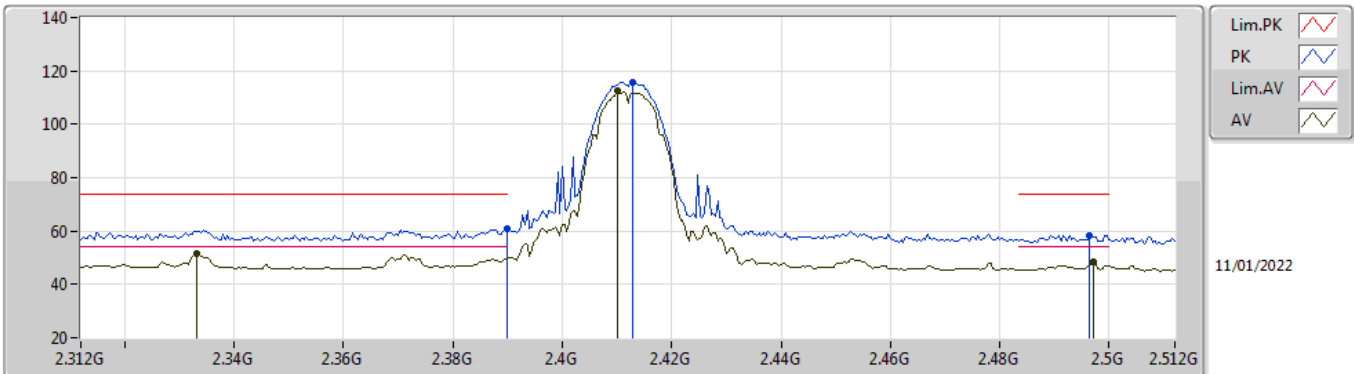


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	52.99	54.00	-1.01	3	Horizontal	275	1.19	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

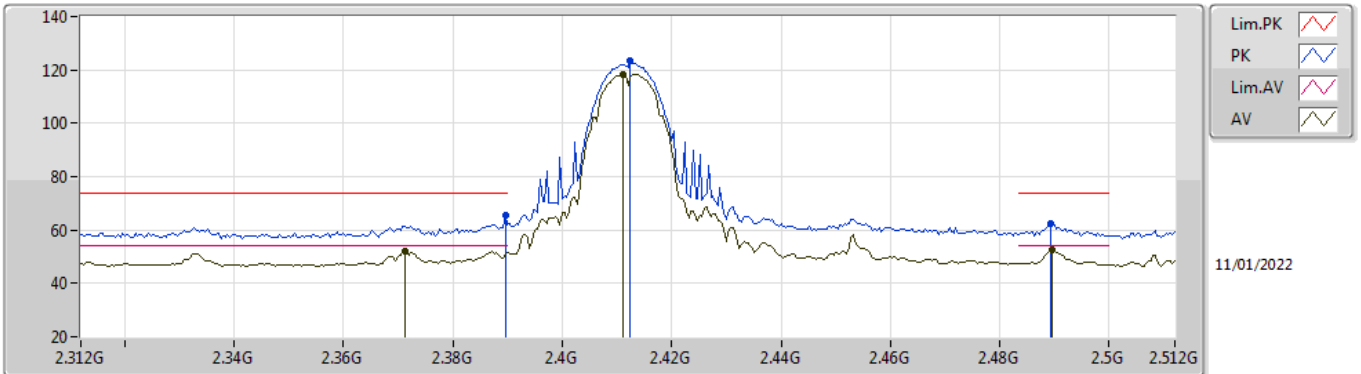


EUT_X_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	60.62	74.00	-13.38	29.35	3	Vertical	317	1.80	-	27.48	3.79	-
AV	2.3332G	51.30	54.00	-2.70	19.66	3	Vertical	317	1.80	-	27.87	3.77	-
PK	2.4128G	115.86	Inf	-Inf	84.70	3	Vertical	317	1.80	-	27.35	3.81	-
AV	2.41G	112.49	Inf	-Inf	81.32	3	Vertical	317	1.80	-	27.36	3.81	-
PK	2.4964G	58.39	74.00	-15.61	27.20	3	Vertical	317	1.80	-	27.29	3.90	-
AV	2.4972G	48.35	54.00	-5.65	17.16	3	Vertical	317	1.80	-	27.29	3.90	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

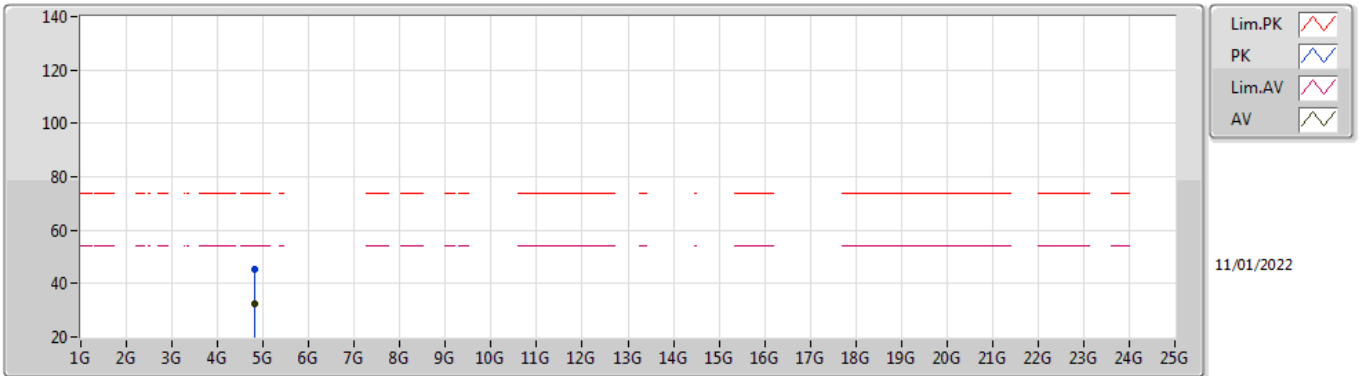


EUT X_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	65.51	74.00	-8.49	34.24	3	Horizontal	290	1.18	-	27.48	3.79	-
AV	2.3712G	52.08	54.00	-1.92	20.66	3	Horizontal	290	1.18	-	27.63	3.79	-
PK	2.4124G	123.55	Inf	-Inf	92.39	3	Horizontal	290	1.18	-	27.35	3.81	-
AV	2.4112G	118.32	Inf	-Inf	87.15	3	Horizontal	290	1.18	-	27.36	3.81	-
PK	2.4892G	62.48	74.00	-11.52	31.31	3	Horizontal	290	1.18	-	27.28	3.89	-
AV	2.4896G	52.69	54.00	-1.31	21.52	3	Horizontal	290	1.18	-	27.28	3.89	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

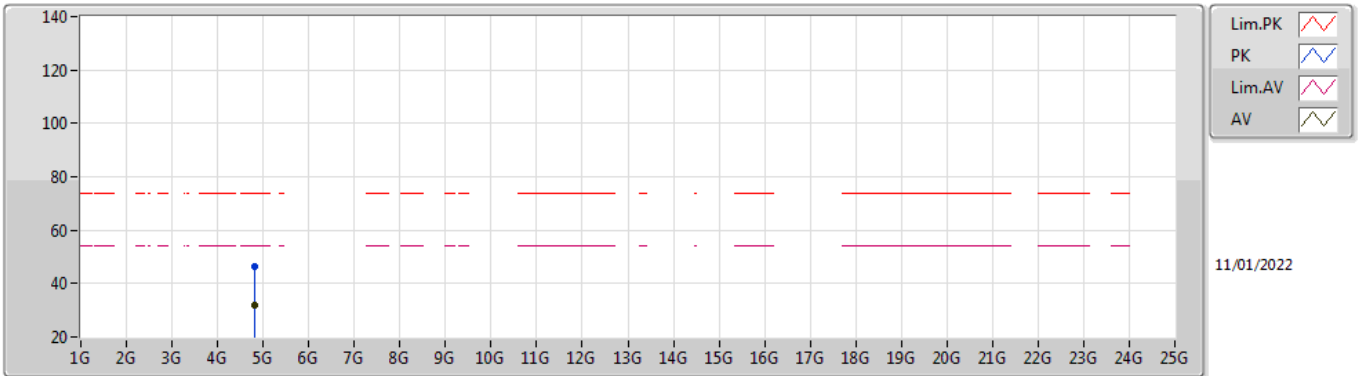


EUT Y_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82142G	45.27	74.00	-28.73	40.67	3	Vertical	183	2.19	-	31.06	5.60	32.06
AV	4.82716G	32.19	54.00	-21.81	27.60	3	Vertical	183	2.19	-	31.05	5.60	32.06

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

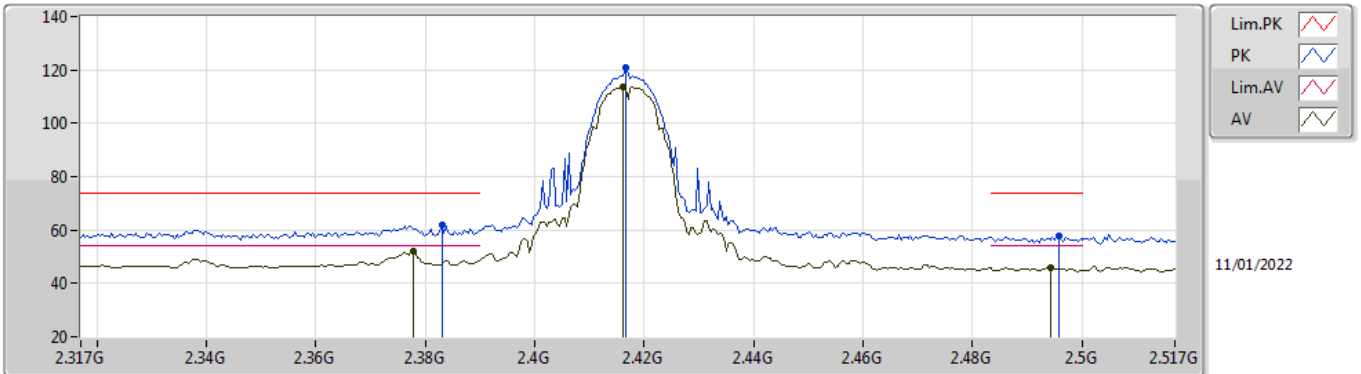


EUT Y_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8218G	46.23	74.00	-27.77	41.63	3	Horizontal	101	1.52	-	31.06	5.60	32.06	
AV	4.82122G	32.12	54.00	-21.88	27.52	3	Horizontal	101	1.52	-	31.06	5.60	32.06	

802.11b_Nss1,(1Mbps)_4TX

2417MHz_TX

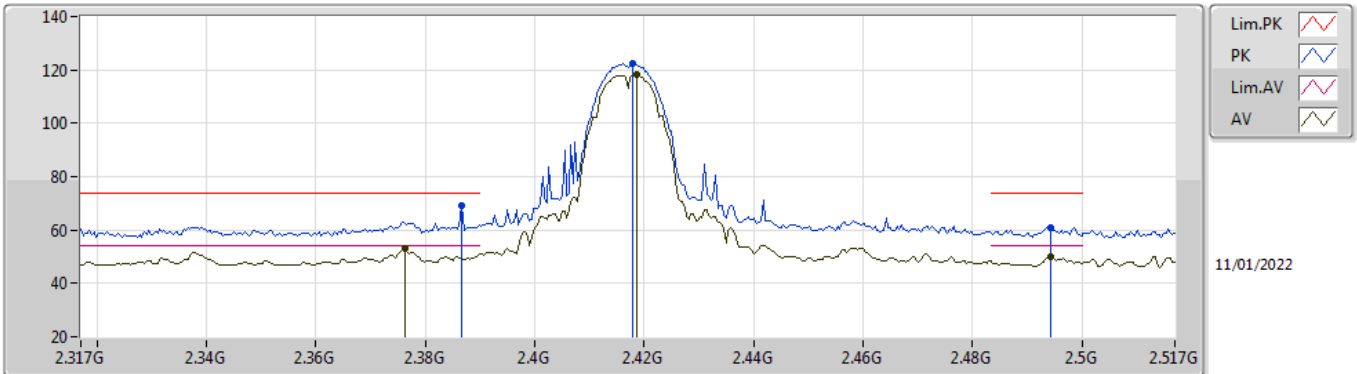


EUT X_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.383G	62.13	74.00	-11.87	30.80	3	Vertical	344	1.61	-	27.54	3.79	-
AV	2.3778G	51.84	54.00	-2.16	20.47	3	Vertical	344	1.61	-	27.58	3.79	-
PK	2.4166G	121.04	Inf	-Inf	89.89	3	Vertical	344	1.61	-	27.33	3.82	-
AV	2.4162G	113.55	Inf	-Inf	82.39	3	Vertical	344	1.61	-	27.34	3.82	-
PK	2.4958G	57.75	74.00	-16.25	26.56	3	Vertical	344	1.61	-	27.29	3.90	-
AV	2.4942G	45.68	54.00	-8.32	14.50	3	Vertical	344	1.61	-	27.29	3.89	-

802.11b_Nss1,(1Mbps)_4TX

2417MHz_TX

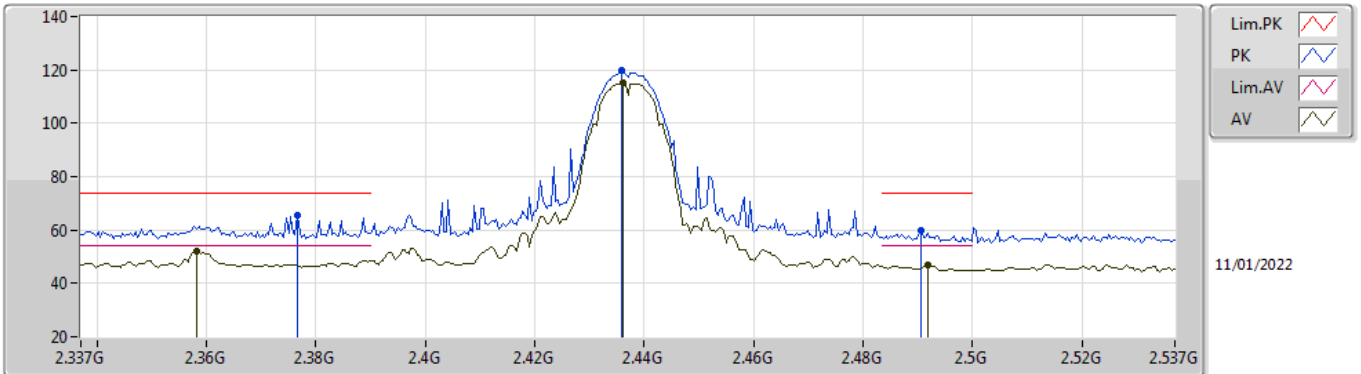


EUT_X_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	68.98	74.00	-5.02	37.68	3	Horizontal	278	1.38	-	27.51	3.79	-
AV	2.3762G	52.94	54.00	-1.06	21.56	3	Horizontal	278	1.38	-	27.59	3.79	-
PK	2.4178G	122.32	Inf	-Inf	91.17	3	Horizontal	278	1.38	-	27.33	3.82	-
AV	2.4186G	118.06	Inf	-Inf	86.91	3	Horizontal	278	1.38	-	27.33	3.82	-
PK	2.4942G	60.92	74.00	-13.08	29.74	3	Horizontal	278	1.38	-	27.29	3.89	-
AV	2.4942G	50.18	54.00	-3.82	19.00	3	Horizontal	278	1.38	-	27.29	3.89	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

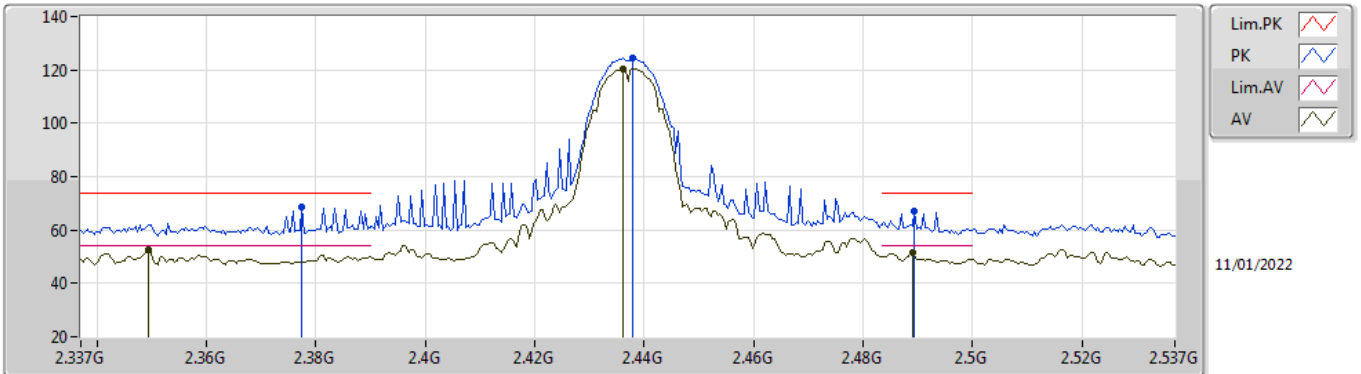


EUT_X_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3766G	65.47	74.00	-8.53	34.09	3	Vertical	341	1.80	-	27.59	3.79	-
AV	2.3582G	51.99	54.00	-2.01	20.48	3	Vertical	341	1.80	-	27.73	3.78	-
PK	2.4358G	119.64	Inf	-Inf	88.54	3	Vertical	341	1.80	-	27.26	3.84	-
AV	2.4362G	115.21	Inf	-Inf	84.11	3	Vertical	341	1.80	-	27.26	3.84	-
PK	2.4906G	60.05	74.00	-13.95	28.88	3	Vertical	341	1.80	-	27.28	3.89	-
AV	2.4918G	46.93	54.00	-7.07	15.76	3	Vertical	341	1.80	-	27.28	3.89	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

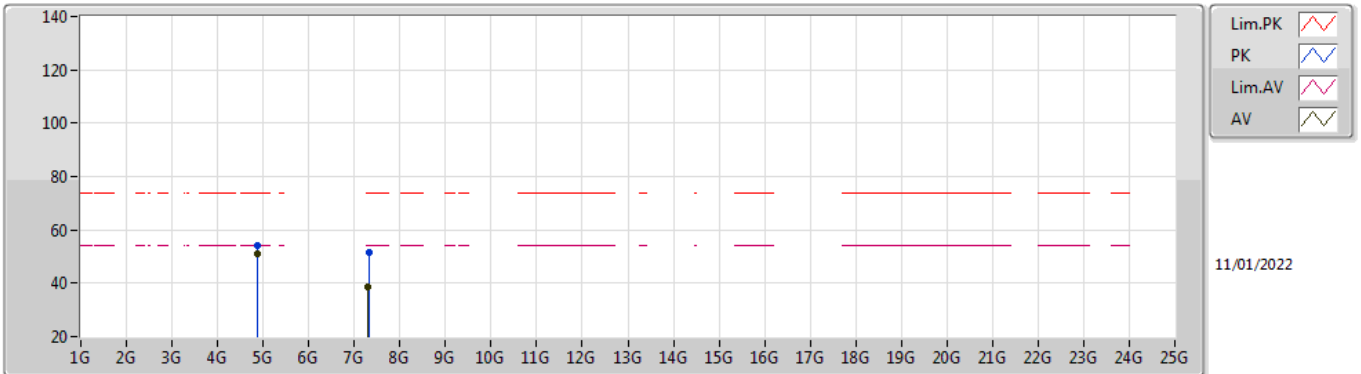


EUT_X_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3774G	68.39	74.00	-5.61	37.02	3	Horizontal	289	1.67	-	27.58	3.79	-
AV	2.3494G	52.53	54.00	-1.47	20.96	3	Horizontal	289	1.67	-	27.80	3.77	-
PK	2.4378G	124.49	Inf	-Inf	93.40	3	Horizontal	289	1.67	-	27.25	3.84	-
AV	2.4362G	120.47	Inf	-Inf	89.37	3	Horizontal	289	1.67	-	27.26	3.84	-
PK	2.4894G	67.27	74.00	-6.73	36.10	3	Horizontal	289	1.67	-	27.28	3.89	-
AV	2.489G	51.36	54.00	-2.64	20.19	3	Horizontal	289	1.67	-	27.28	3.89	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

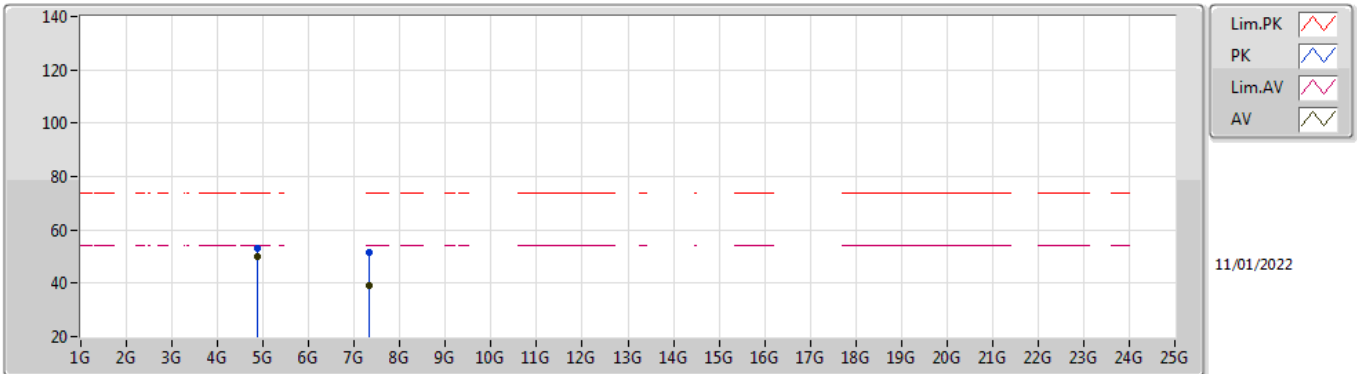


EUT Y_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87404G	53.92	74.00	-20.08	49.29	3	Vertical	310	1.80	-	31.05	5.60	32.02
AV	4.87396G	51.22	54.00	-2.78	46.59	3	Vertical	310	1.80	-	31.05	5.60	32.02
PK	7.31812G	51.78	74.00	-22.22	42.02	3	Vertical	222	1.80	-	36.33	6.90	33.47
AV	7.31012G	38.73	54.00	-15.27	28.94	3	Vertical	222	1.80	-	36.36	6.90	33.47

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

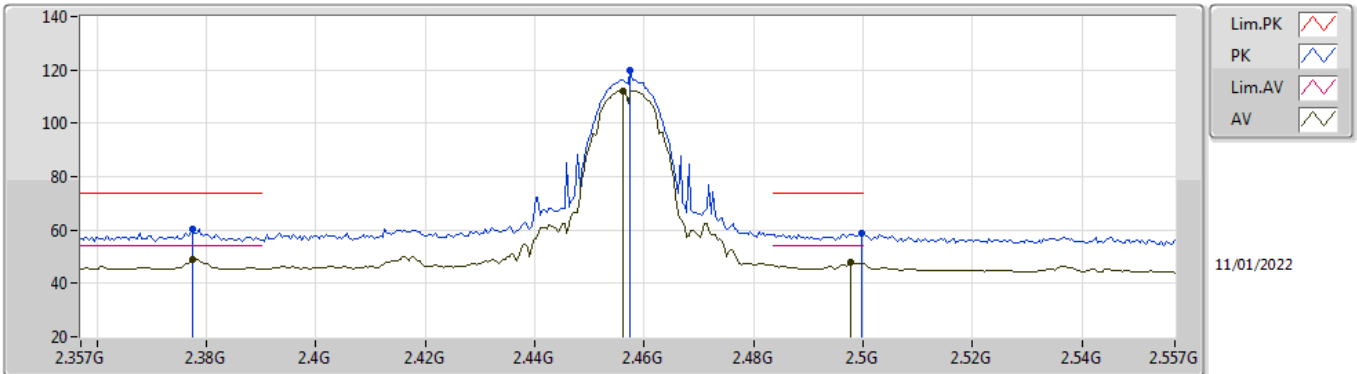


EUT Y_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.874G	53.11	74.00	-20.89	48.48	3	Horizontal	260	1.80	-	31.05	5.60	32.02
AV	4.87396G	50.02	54.00	-3.98	45.39	3	Horizontal	260	1.80	-	31.05	5.60	32.02
PK	7.31024G	51.70	74.00	-22.30	41.91	3	Horizontal	103	1.92	-	36.36	6.90	33.47
AV	7.31032G	39.04	54.00	-14.96	29.25	3	Horizontal	103	1.92	-	36.36	6.90	33.47

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

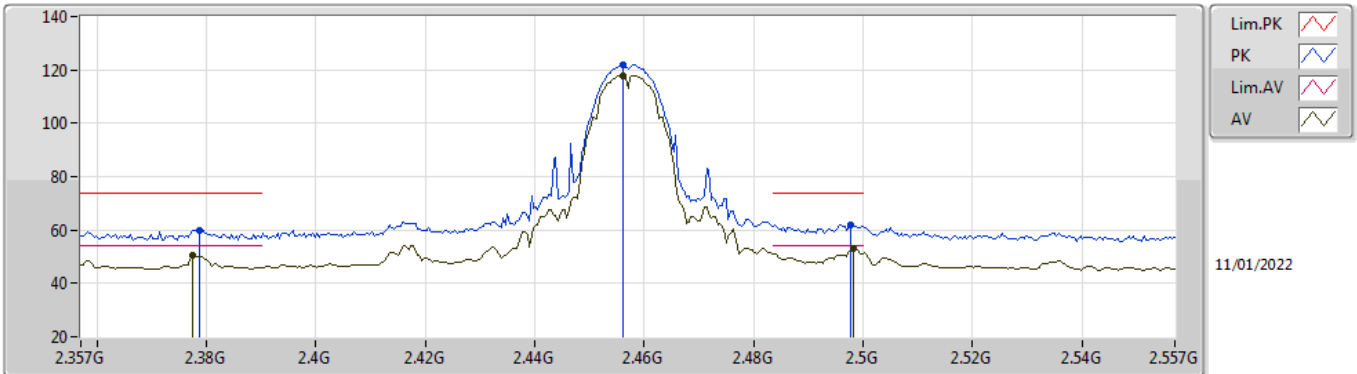


EUT_X_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3774G	60.27	74.00	-13.73	28.90	3	Vertical	357	1.21	-	27.58	3.79	-
AV	2.3774G	48.86	54.00	-5.14	17.49	3	Vertical	357	1.21	-	27.58	3.79	-
PK	2.4574G	119.96	Inf	-Inf	88.89	3	Vertical	357	1.21	-	27.21	3.86	-
AV	2.4562G	112.26	Inf	-Inf	81.19	3	Vertical	357	1.21	-	27.21	3.86	-
PK	2.4998G	58.94	74.00	-15.06	27.74	3	Vertical	357	1.21	-	27.30	3.90	-
AV	2.4978G	47.92	54.00	-6.08	16.72	3	Vertical	357	1.21	-	27.30	3.90	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

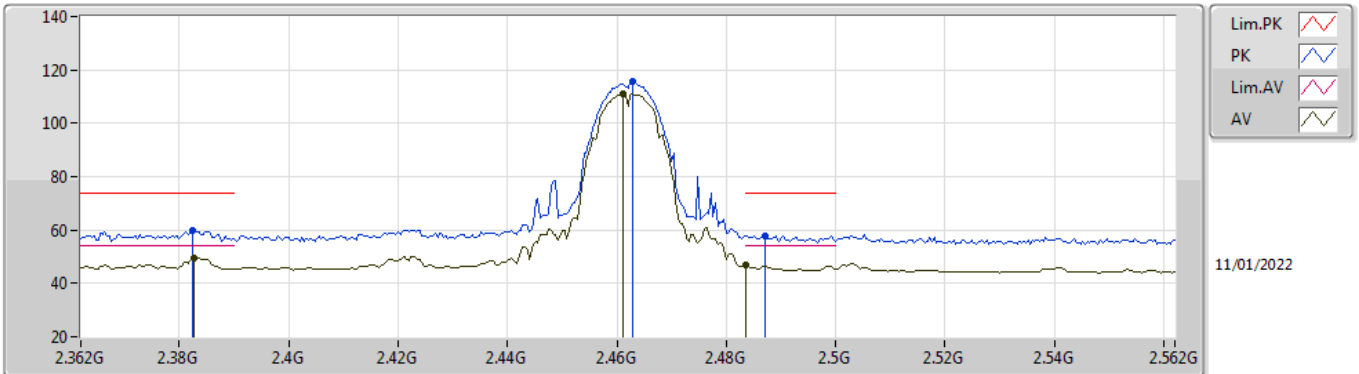


EUT_X_4TX
Setting 24
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3786G	59.82	74.00	-14.18	28.46	3	Horizontal	303	1.00	-	27.57	3.79	-
AV	2.3774G	50.46	54.00	-3.54	19.09	3	Horizontal	303	1.00	-	27.58	3.79	-
PK	2.4562G	121.76	Inf	-Inf	90.69	3	Horizontal	303	1.00	-	27.21	3.86	-
AV	2.4562G	117.88	Inf	-Inf	86.81	3	Horizontal	303	1.00	-	27.21	3.86	-
PK	2.4978G	62.05	74.00	-11.95	30.85	3	Horizontal	303	1.00	-	27.30	3.90	-
AV	2.4982G	52.87	54.00	-1.13	21.67	3	Horizontal	303	1.00	-	27.30	3.90	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

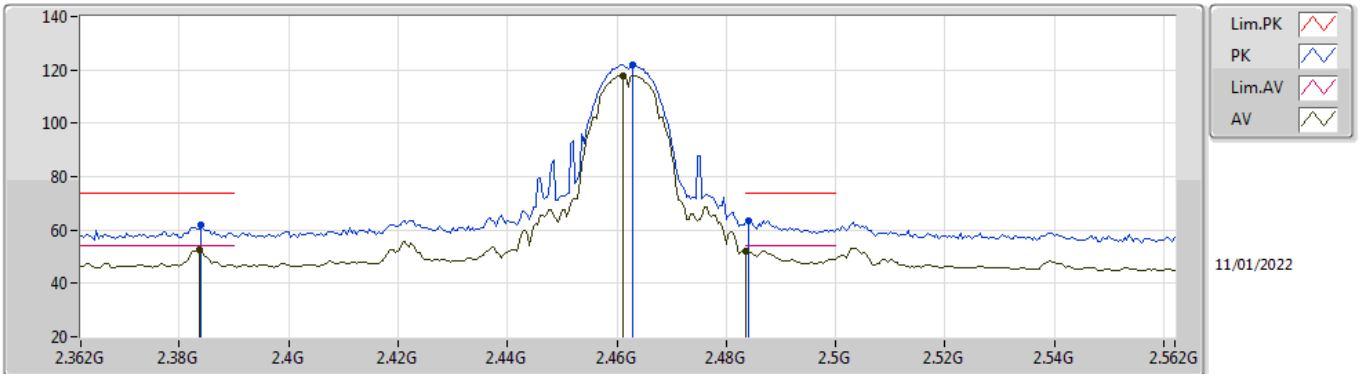


EUT X_4TX
Setting 23
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3824G	59.58	74.00	-14.42	28.25	3	Vertical	343	1.57	-	27.54	3.79	-
AV	2.3828G	49.55	54.00	-4.45	18.22	3	Vertical	343	1.57	-	27.54	3.79	-
PK	2.4628G	115.76	Inf	-Inf	84.67	3	Vertical	343	1.57	-	27.23	3.86	-
AV	2.4612G	110.83	Inf	-Inf	79.75	3	Vertical	343	1.57	-	27.22	3.86	-
PK	2.4872G	57.92	74.00	-16.08	26.76	3	Vertical	343	1.57	-	27.27	3.89	-
AV	2.4835G	46.81	54.00	-7.19	15.66	3	Vertical	343	1.57	-	27.27	3.88	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

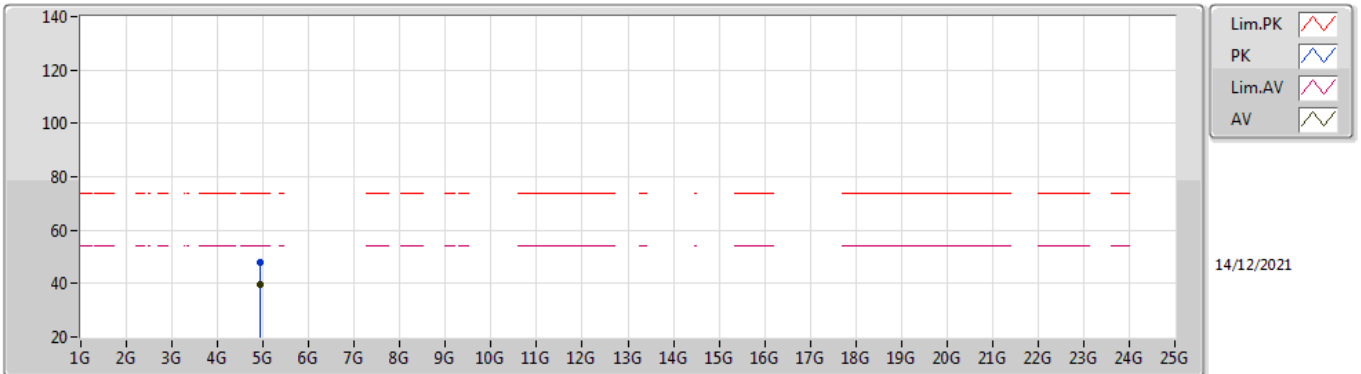


EUT_X_4TX
Setting 23
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.384G	62.03	74.00	-11.97	30.71	3	Horizontal	292	1.24	-	27.53	3.79	-
AV	2.3836G	52.72	54.00	-1.28	21.40	3	Horizontal	292	1.24	-	27.53	3.79	-
PK	2.4628G	122.07	Inf	-Inf	90.98	3	Horizontal	292	1.24	-	27.23	3.86	-
AV	2.4612G	117.99	Inf	-Inf	86.91	3	Horizontal	292	1.24	-	27.22	3.86	-
PK	2.484G	63.59	74.00	-10.41	32.44	3	Horizontal	292	1.24	-	27.27	3.88	-
AV	2.4835G	52.22	54.00	-1.78	21.07	3	Horizontal	292	1.24	-	27.27	3.88	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

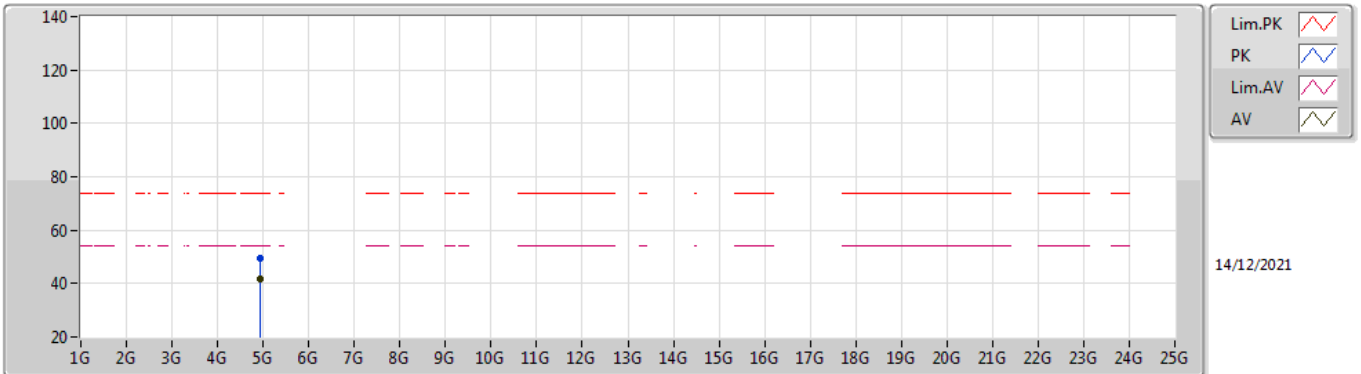


EUT Y_4TX
Setting 23
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92406G	47.97	74.00	-26.03	43.14	3	Vertical	310	1.76	-	31.20	5.60	31.97	
AV	4.92382G	39.57	54.00	-14.43	34.74	3	Vertical	310	1.76	-	31.20	5.60	31.97	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

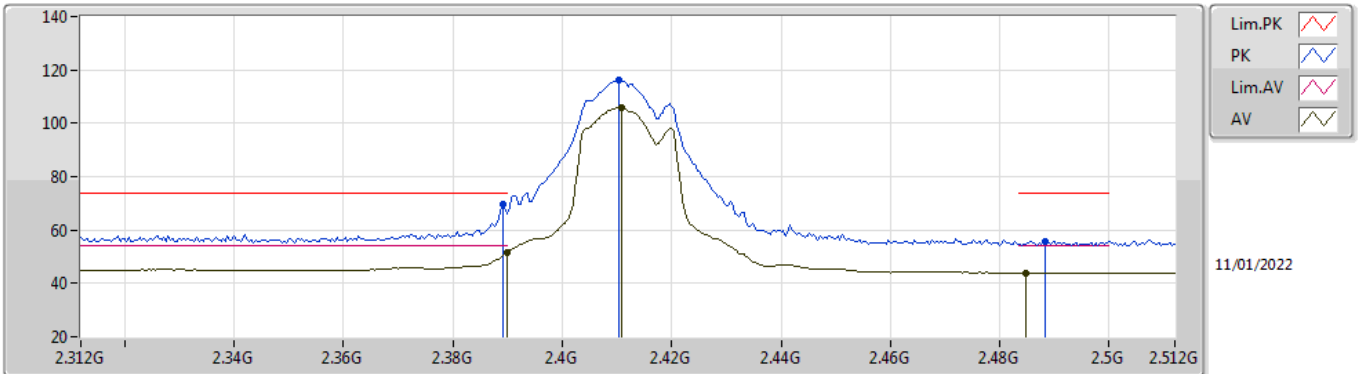


EUT Y_4TX
Setting 23
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.924G	49.30	74.00	-24.70	44.47	3	Horizontal	201	1.66	-	31.20	5.60	31.97
AV	4.92424G	41.64	54.00	-12.36	36.81	3	Horizontal	201	1.66	-	31.20	5.60	31.97

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

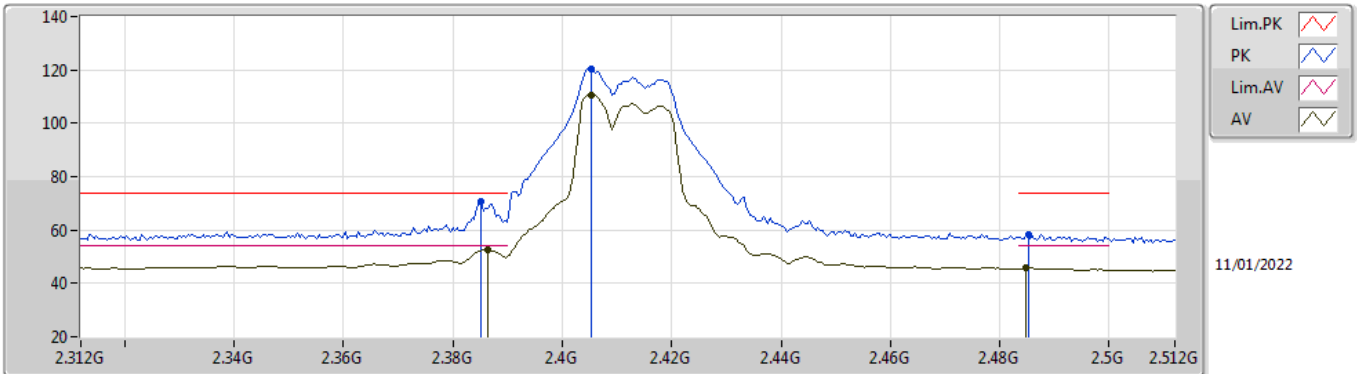


EUT X_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	69.63	74.00	-4.37	38.35	3	Vertical	344	1.34	-	27.49	3.79	-
AV	2.39G	51.47	54.00	-2.53	20.20	3	Vertical	344	1.34	-	27.48	3.79	-
PK	2.4104G	115.97	Inf	-Inf	84.80	3	Vertical	344	1.34	-	27.36	3.81	-
AV	2.4108G	105.95	Inf	-Inf	74.78	3	Vertical	344	1.34	-	27.36	3.81	-
PK	2.4884G	55.86	74.00	-18.14	24.69	3	Vertical	344	1.34	-	27.28	3.89	-
AV	2.4848G	44.05	54.00	-9.95	12.90	3	Vertical	344	1.34	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

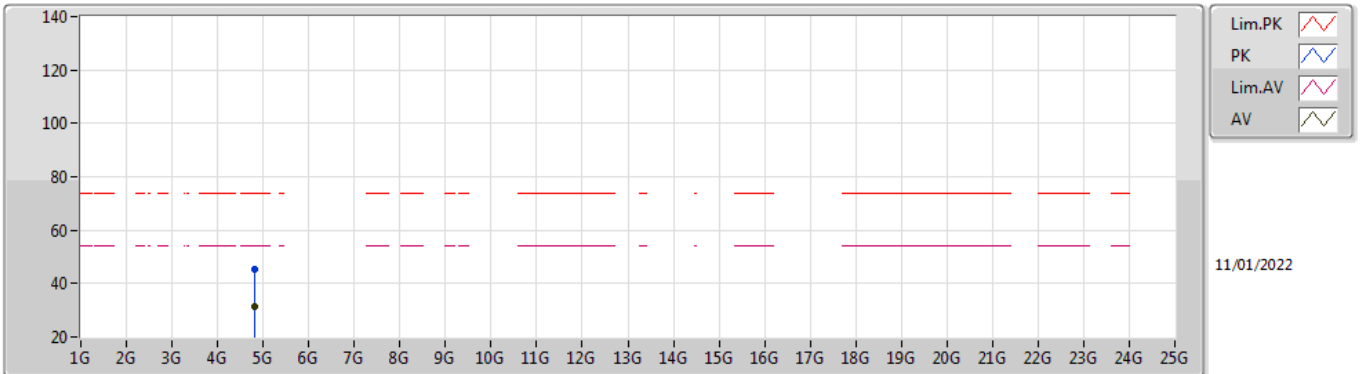


EUT X_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	70.70	74.00	-3.30	39.39	3	Horizontal	271	1.25	-	27.52	3.79	-
AV	2.3864G	52.70	54.00	-1.30	21.40	3	Horizontal	271	1.25	-	27.51	3.79	-
PK	2.4052G	120.55	Inf	-Inf	89.36	3	Horizontal	271	1.25	-	27.38	3.81	-
AV	2.4052G	110.48	Inf	-Inf	79.29	3	Horizontal	271	1.25	-	27.38	3.81	-
PK	2.4852G	58.42	74.00	-15.58	27.26	3	Horizontal	271	1.25	-	27.27	3.89	-
AV	2.4848G	45.79	54.00	-8.21	14.64	3	Horizontal	271	1.25	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

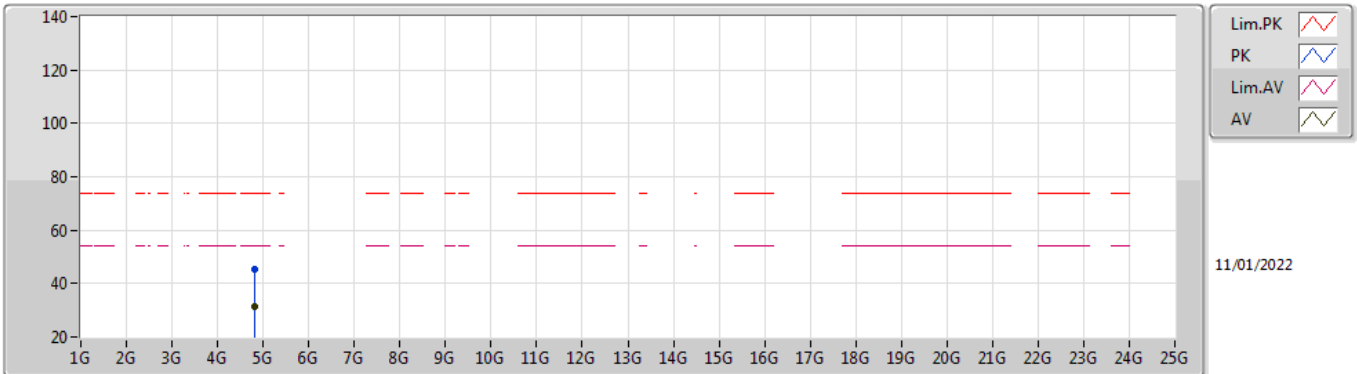


EUT Y_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82204G	45.30	74.00	-28.70	40.70	3	Vertical	348	2.86	-	31.06	5.60	32.06
AV	4.82004G	31.53	54.00	-22.47	26.93	3	Vertical	348	2.86	-	31.06	5.60	32.06

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

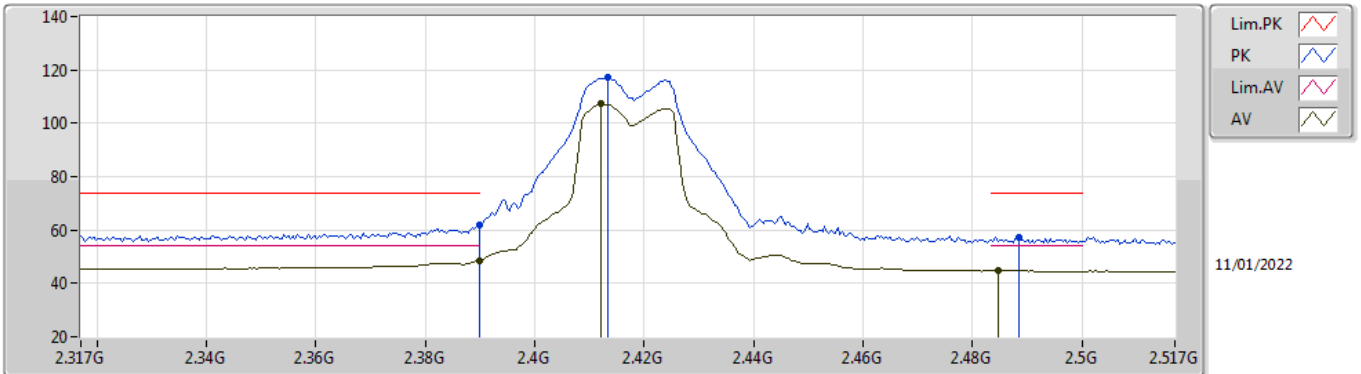


EUT Y_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82824G	45.50	74.00	-28.50	40.91	3	Horizontal	80	2.14	-	31.04	5.60	32.05
AV	4.81948G	31.51	54.00	-22.49	26.91	3	Horizontal	80	2.14	-	31.06	5.60	32.06

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

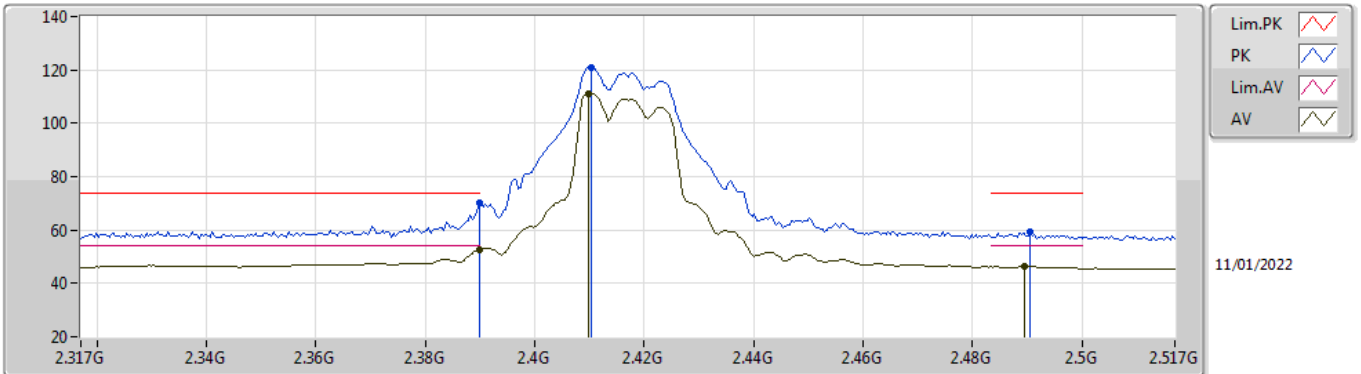


EUT_X_4TX
Setting 23
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	61.75	74.00	-12.25	30.48	3	Vertical	349	2.74	-	27.48	3.79	-
AV	2.3898G	48.60	54.00	-5.40	17.33	3	Vertical	349	2.74	-	27.48	3.79	-
PK	2.4134G	117.19	Inf	-Inf	86.03	3	Vertical	349	2.74	-	27.35	3.81	-
AV	2.4122G	107.19	Inf	-Inf	76.03	3	Vertical	349	2.74	-	27.35	3.81	-
PK	2.4886G	57.01	74.00	-16.99	25.84	3	Vertical	349	2.74	-	27.28	3.89	-
AV	2.4846G	44.74	54.00	-9.26	13.59	3	Vertical	349	2.74	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

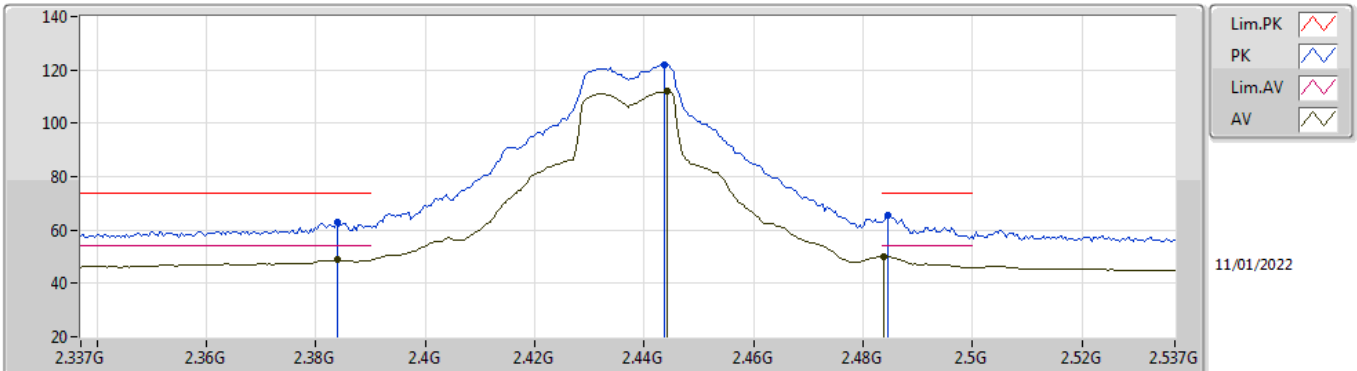


EUT X_4TX
Setting 23
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	70.37	74.00	-3.63	39.10	3	Horizontal	278	1.00	-	27.48	3.79	-
AV	2.3898G	52.54	54.00	-1.46	21.27	3	Horizontal	278	1.00	-	27.48	3.79	-
PK	2.4102G	121.11	Inf	-Inf	89.94	3	Horizontal	278	1.00	-	27.36	3.81	-
AV	2.4098G	111.09	Inf	-Inf	79.92	3	Horizontal	278	1.00	-	27.36	3.81	-
PK	2.4906G	59.23	74.00	-14.77	28.06	3	Horizontal	278	1.00	-	27.28	3.89	-
AV	2.4894G	46.41	54.00	-7.59	15.24	3	Horizontal	278	1.00	-	27.28	3.89	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

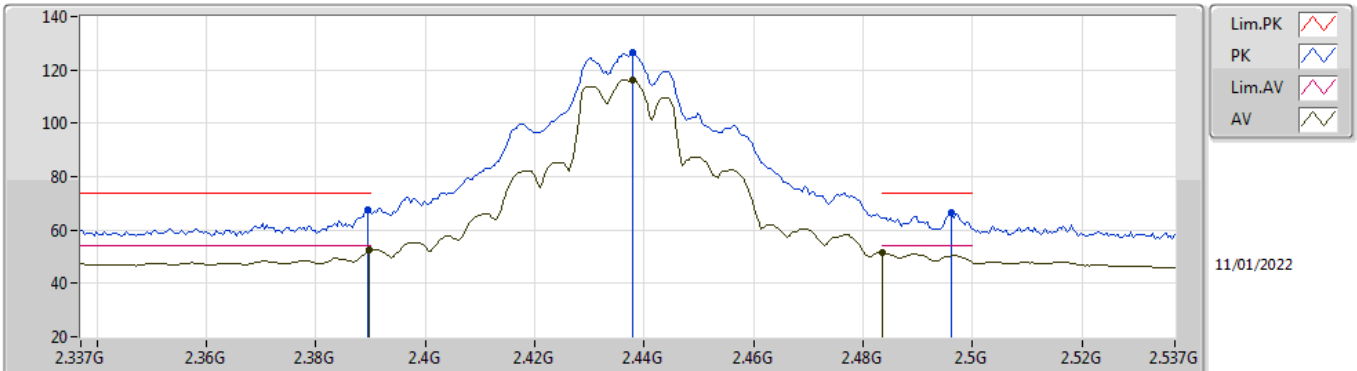


EUT_X_4TX
Setting 31
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	62.68	74.00	-11.32	31.36	3	Vertical	352	2.64	-	27.53	3.79	-
AV	2.3838G	48.79	54.00	-5.21	17.47	3	Vertical	352	2.64	-	27.53	3.79	-
PK	2.4438G	121.82	Inf	-Inf	90.76	3	Vertical	352	2.64	-	27.22	3.84	-
AV	2.4442G	111.90	Inf	-Inf	80.84	3	Vertical	352	2.64	-	27.22	3.84	-
PK	2.4846G	65.62	74.00	-8.38	34.47	3	Vertical	352	2.64	-	27.27	3.88	-
AV	2.4838G	50.05	54.00	-3.95	18.90	3	Vertical	352	2.64	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

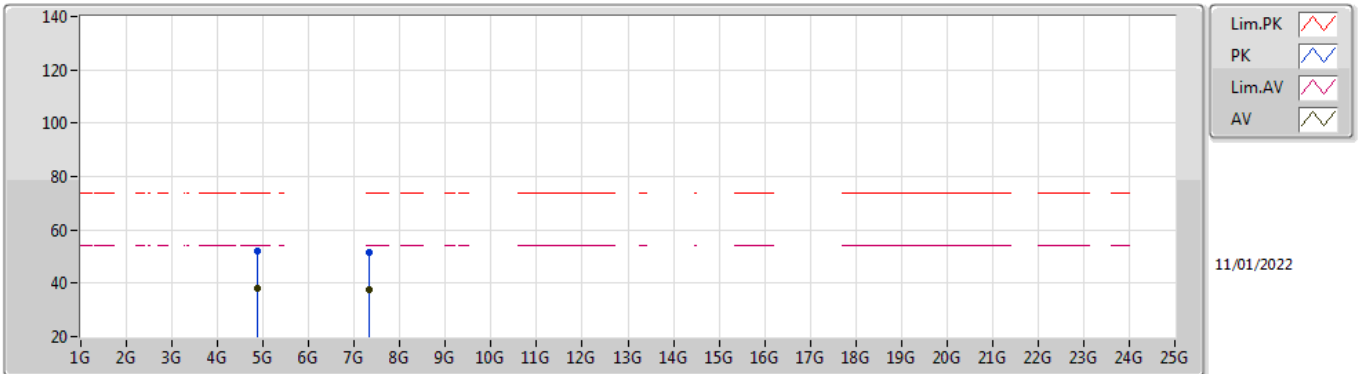


EUT_X_4TX
Setting 31
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	67.54	74.00	-6.46	36.27	3	Horizontal	293	1.34	-	27.48	3.79	-
AV	2.3898G	52.52	54.00	-1.48	21.25	3	Horizontal	293	1.34	-	27.48	3.79	-
PK	2.4378G	126.31	Inf	-Inf	95.22	3	Horizontal	293	1.34	-	27.25	3.84	-
AV	2.4378G	116.36	Inf	-Inf	85.27	3	Horizontal	293	1.34	-	27.25	3.84	-
PK	2.4962G	66.40	74.00	-7.60	35.21	3	Horizontal	293	1.34	-	27.29	3.90	-
AV	2.4835G	51.57	54.00	-2.43	20.42	3	Horizontal	293	1.34	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

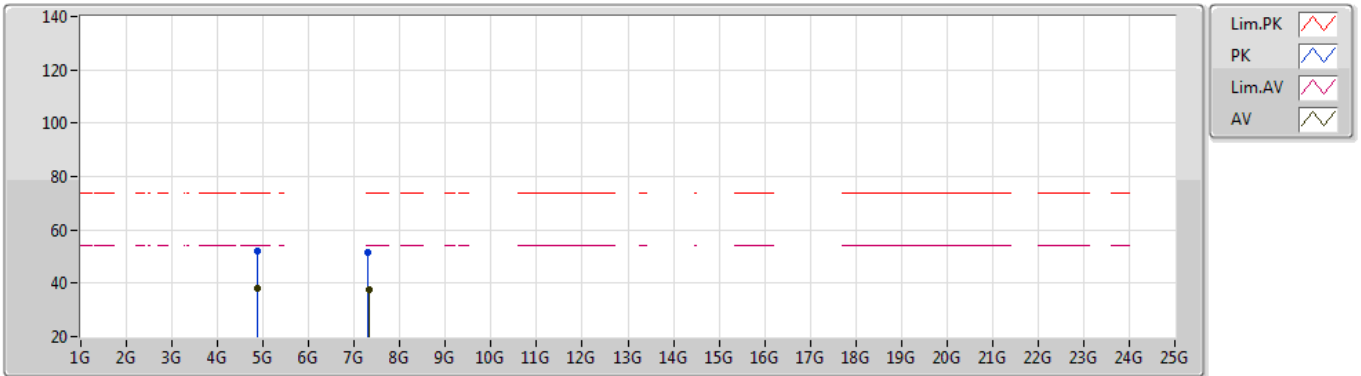


EUT Y_4TX
Setting 31
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87812G	52.32	74.00	-21.68	47.67	3	Vertical	316	1.61	-	31.06	5.60	32.01
AV	4.87684G	37.85	54.00	-16.15	33.21	3	Vertical	316	1.61	-	31.05	5.60	32.01
PK	7.31388G	51.71	74.00	-22.29	41.94	3	Vertical	36	1.28	-	36.34	6.90	33.47
AV	7.31732G	37.55	54.00	-16.45	27.79	3	Vertical	36	1.28	-	36.33	6.90	33.47

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

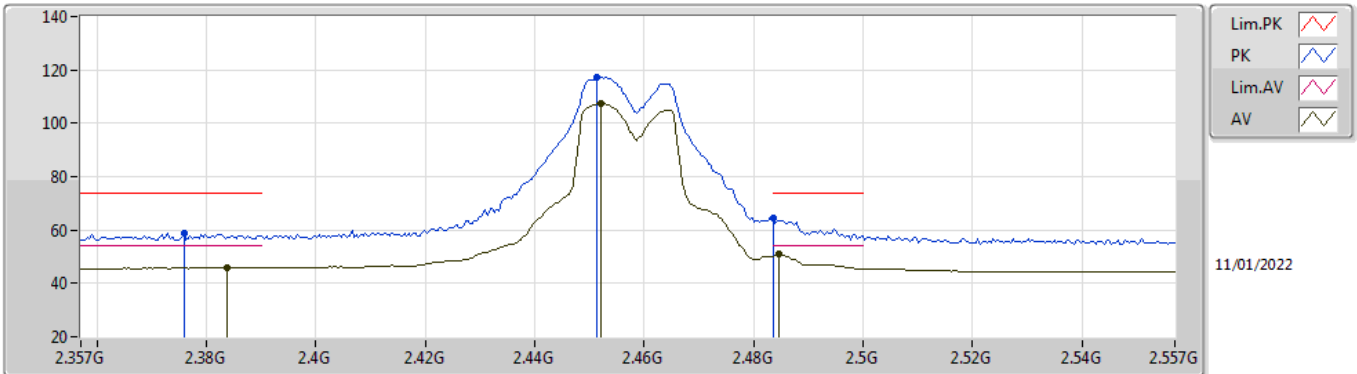


EUT Y_4TX
Setting 31
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8696G	52.15	74.00	-21.85	47.53	3	Horizontal	269	1.80	-	31.04	5.60	32.02
AV	4.86984G	38.00	54.00	-16.00	33.38	3	Horizontal	269	1.80	-	31.04	5.60	32.02
PK	7.30428G	51.57	74.00	-22.43	41.75	3	Horizontal	193	1.48	-	36.38	6.90	33.46
AV	7.31716G	37.77	54.00	-16.23	28.01	3	Horizontal	193	1.48	-	36.33	6.90	33.47

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

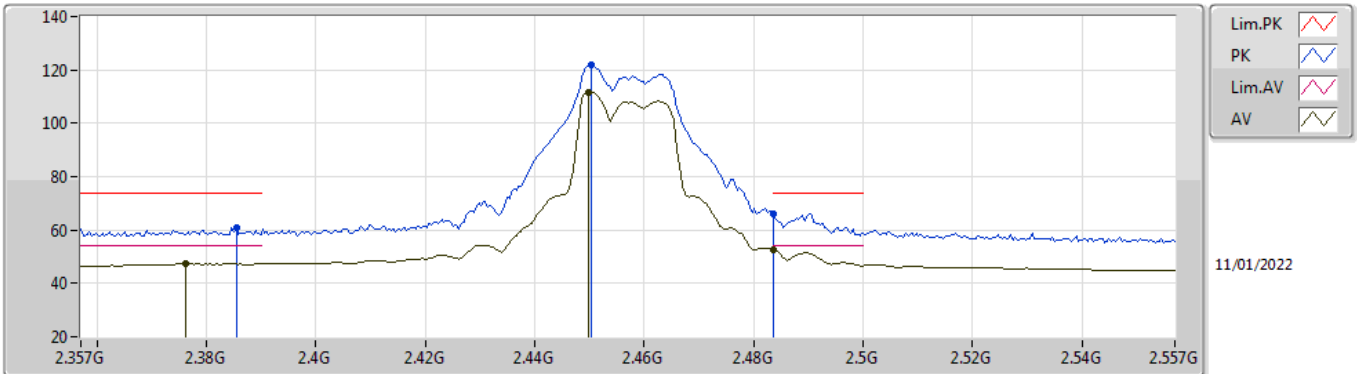


EUT_X_4TX
Setting 23.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3758G	58.99	74.00	-15.01	27.61	3	Vertical	357	3.00	-	27.59	3.79	-
AV	2.3838G	46.03	54.00	-7.97	14.71	3	Vertical	357	3.00	-	27.53	3.79	-
PK	2.4514G	117.10	Inf	-Inf	86.05	3	Vertical	357	3.00	-	27.20	3.85	-
AV	2.4522G	107.34	Inf	-Inf	76.29	3	Vertical	357	3.00	-	27.20	3.85	-
PK	2.4835G	64.70	74.00	-9.30	33.55	3	Vertical	357	3.00	-	27.27	3.88	-
AV	2.4846G	50.89	54.00	-3.11	19.74	3	Vertical	357	3.00	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

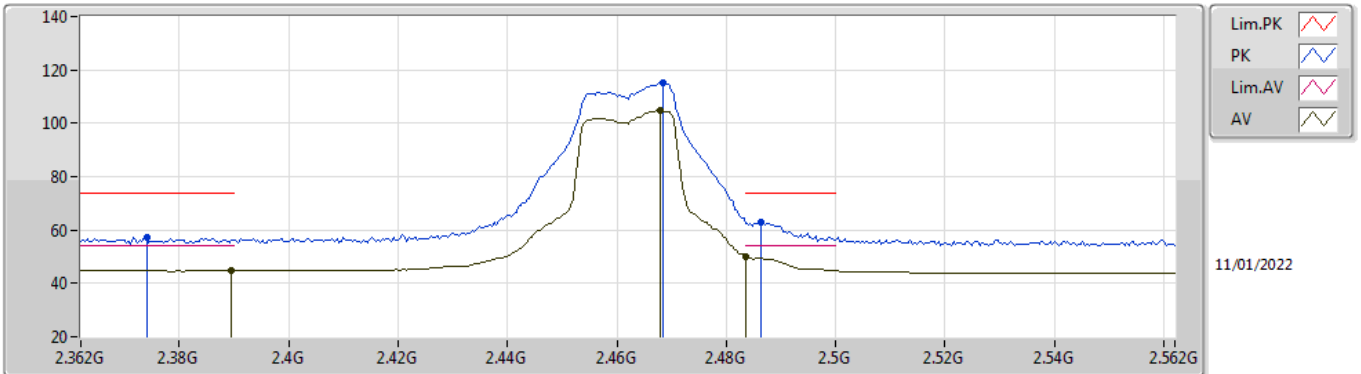


EUT_X_4TX
Setting 23.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3854G	61.07	74.00	-12.93	29.76	3	Horizontal	271	1.21	-	27.52	3.79	-
AV	2.3762G	47.26	54.00	-6.74	15.88	3	Horizontal	271	1.21	-	27.59	3.79	-
PK	2.4502G	121.70	Inf	-Inf	90.65	3	Horizontal	271	1.21	-	27.20	3.85	-
AV	2.4498G	111.54	Inf	-Inf	80.49	3	Horizontal	271	1.21	-	27.20	3.85	-
PK	2.4835G	66.13	74.00	-7.87	34.98	3	Horizontal	271	1.21	-	27.27	3.88	-
AV	2.4835G	52.72	54.00	-1.28	21.57	3	Horizontal	271	1.21	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

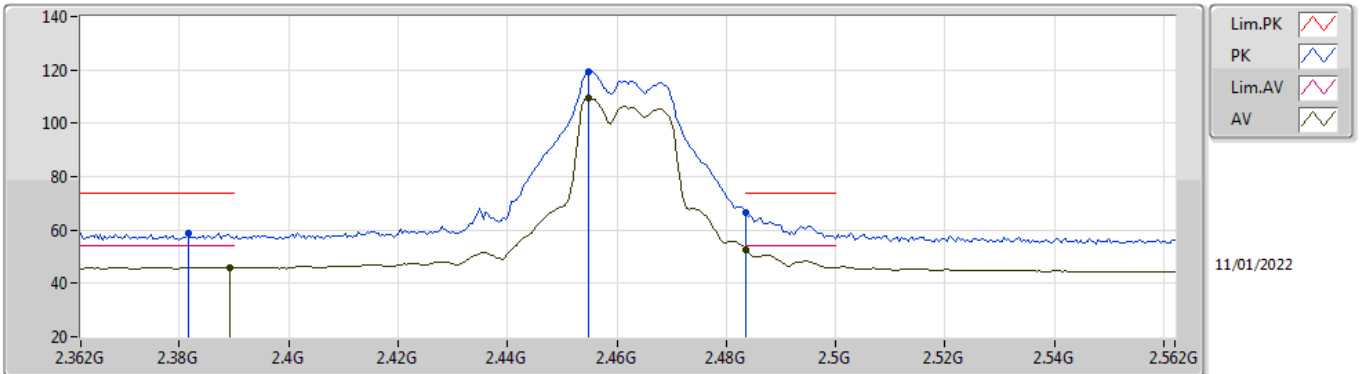


EUT_X_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.374G	57.37	74.00	-16.63	25.97	3	Vertical	355	2.28	-	27.61	3.79	-
AV	2.3896G	44.88	54.00	-9.12	13.61	3	Vertical	355	2.28	-	27.48	3.79	-
PK	2.4684G	115.09	Inf	-Inf	83.98	3	Vertical	355	2.28	-	27.24	3.87	-
AV	2.468G	104.75	Inf	-Inf	73.64	3	Vertical	355	2.28	-	27.24	3.87	-
PK	2.4864G	63.13	74.00	-10.87	31.97	3	Vertical	355	2.28	-	27.27	3.89	-
AV	2.4835G	49.99	54.00	-4.01	18.84	3	Vertical	355	2.28	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

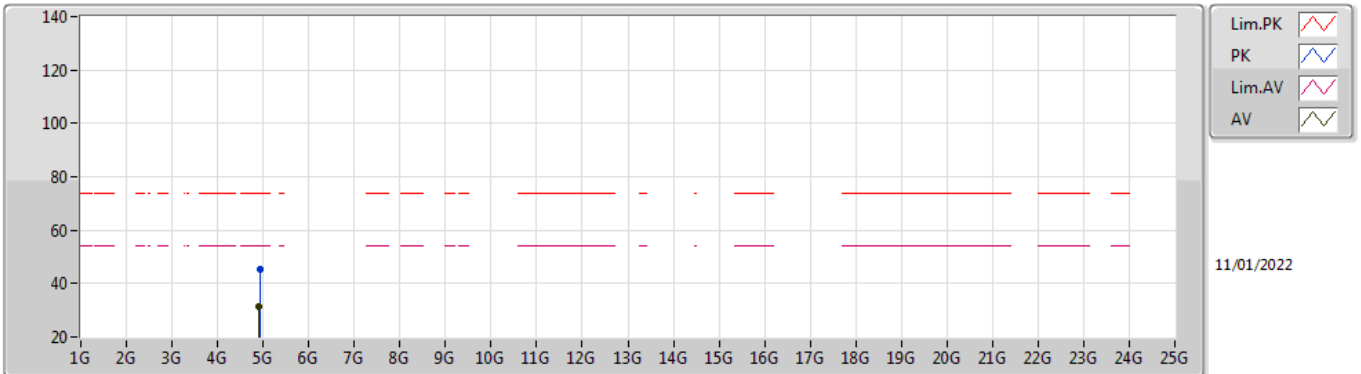


EUT_X_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3816G	58.84	74.00	-15.16	27.50	3	Horizontal	274	1.18	-	27.55	3.79	-
AV	2.3892G	46.05	54.00	-7.95	14.77	3	Horizontal	274	1.18	-	27.49	3.79	-
PK	2.4548G	119.19	Inf	-Inf	88.13	3	Horizontal	274	1.18	-	27.21	3.85	-
AV	2.4548G	109.38	Inf	-Inf	78.32	3	Horizontal	274	1.18	-	27.21	3.85	-
PK	2.4835G	66.79	74.00	-7.21	35.64	3	Horizontal	274	1.18	-	27.27	3.88	-
AV	2.4835G	52.55	54.00	-1.45	21.40	3	Horizontal	274	1.18	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

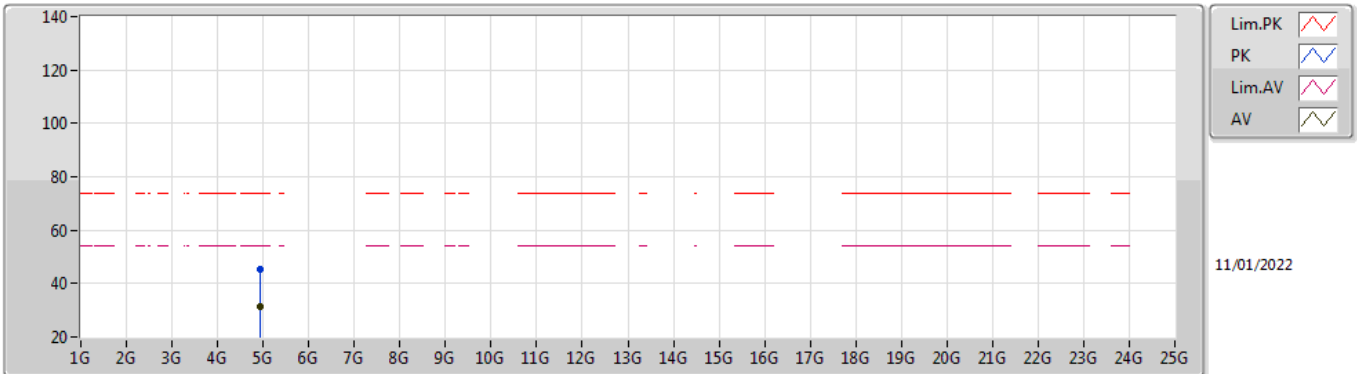


EUT Y_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92562G	45.26	74.00	-28.74	40.43	3	Vertical	197	2.61	-	31.20	5.60	31.97	
AV	4.9191G	31.20	54.00	-22.80	26.40	3	Vertical	197	2.61	-	31.18	5.60	31.98	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

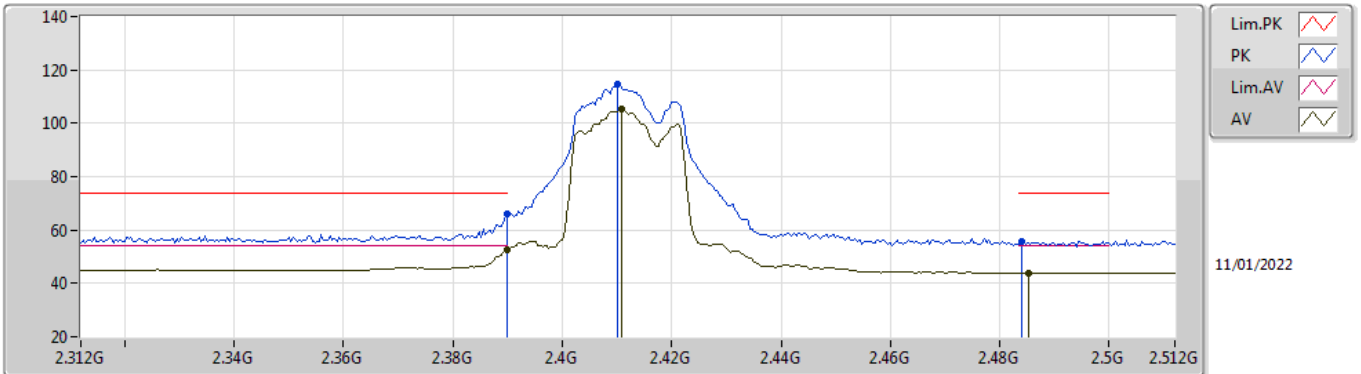


EUT Y_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92286G	45.13	74.00	-28.87	40.31	3	Horizontal	146	2.23	-	31.19	5.60	31.97	
AV	4.9236G	31.17	54.00	-22.83	26.35	3	Horizontal	146	2.23	-	31.19	5.60	31.97	

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

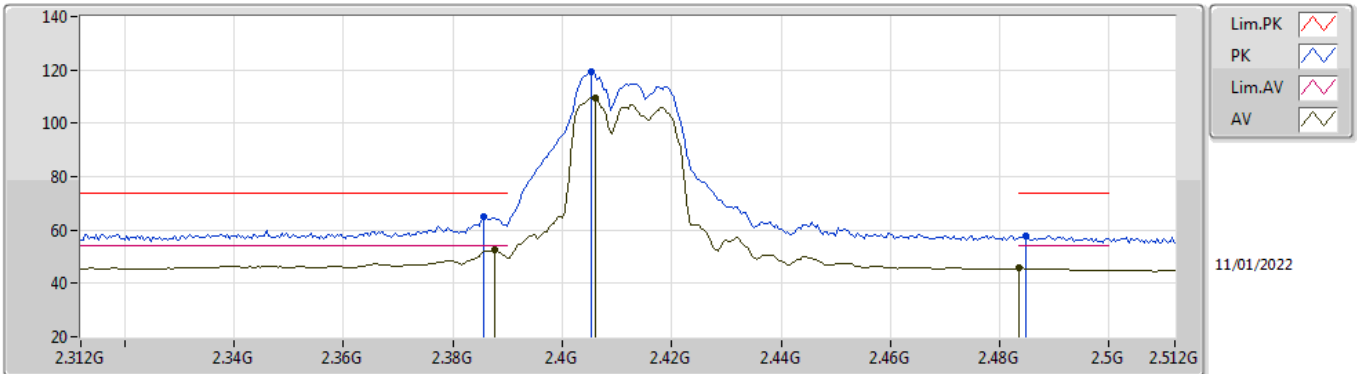


EUT X_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.87	74.00	-8.13	34.60	3	Vertical	344	1.35	-	27.48	3.79	-
AV	2.39G	52.70	54.00	-1.30	21.43	3	Vertical	344	1.35	-	27.48	3.79	-
PK	2.41G	114.67	Inf	-Inf	83.50	3	Vertical	344	1.35	-	27.36	3.81	-
AV	2.4108G	105.58	Inf	-Inf	74.41	3	Vertical	344	1.35	-	27.36	3.81	-
PK	2.484G	55.75	74.00	-18.25	24.60	3	Vertical	344	1.35	-	27.27	3.88	-
AV	2.4852G	43.92	54.00	-10.08	12.76	3	Vertical	344	1.35	-	27.27	3.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

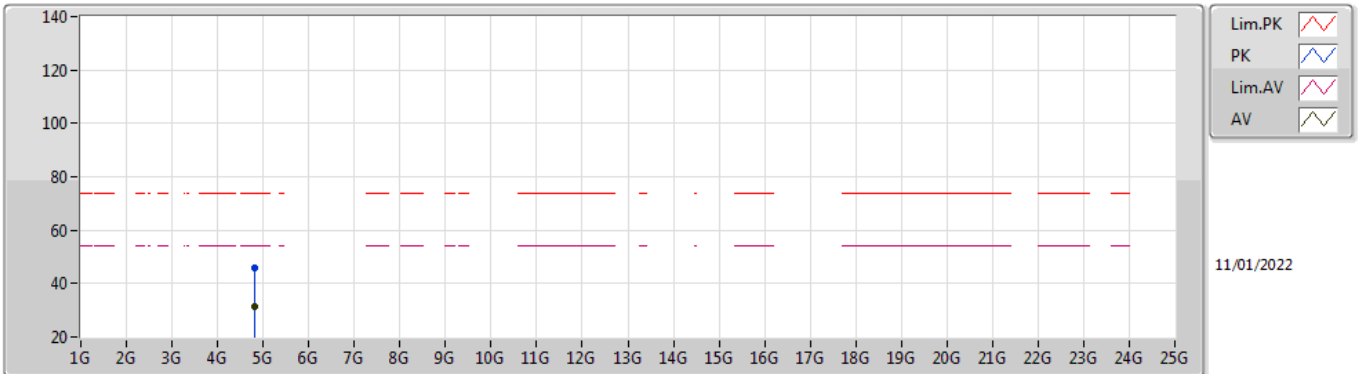


EUT_X_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3856G	64.80	74.00	-9.20	33.49	3	Horizontal	273	1.26	-	27.52	3.79	-
AV	2.3876G	52.57	54.00	-1.43	21.28	3	Horizontal	273	1.26	-	27.50	3.79	-
PK	2.4052G	119.21	Inf	-Inf	88.02	3	Horizontal	273	1.26	-	27.38	3.81	-
AV	2.406G	109.68	Inf	-Inf	78.49	3	Horizontal	273	1.26	-	27.38	3.81	-
PK	2.4848G	57.77	74.00	-16.23	26.62	3	Horizontal	273	1.26	-	27.27	3.88	-
AV	2.4835G	45.65	54.00	-8.35	14.50	3	Horizontal	273	1.26	-	27.27	3.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

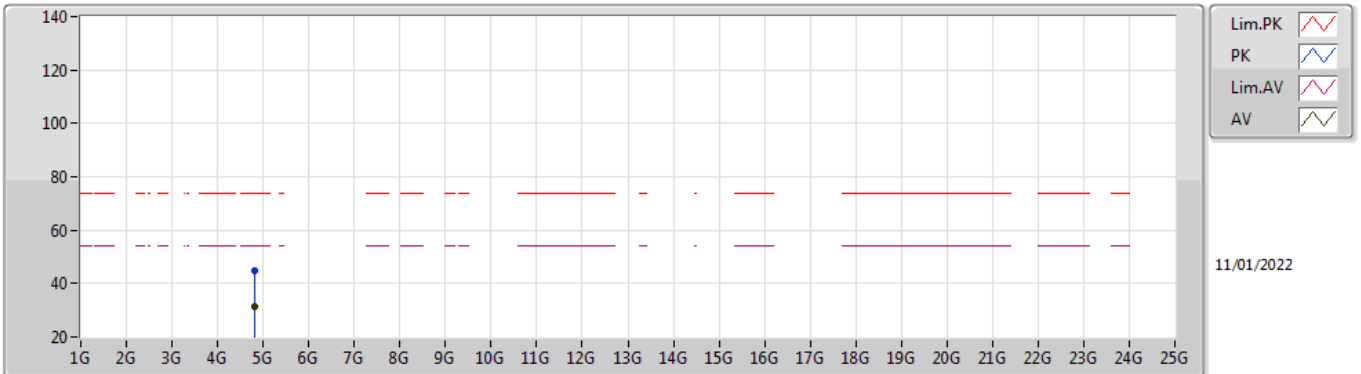


EUT Y_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8194G	45.66	74.00	-28.34	41.06	3	Vertical	289	2.71	-	31.06	5.60	32.06
AV	4.81934G	31.38	54.00	-22.62	26.78	3	Vertical	289	2.71	-	31.06	5.60	32.06

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

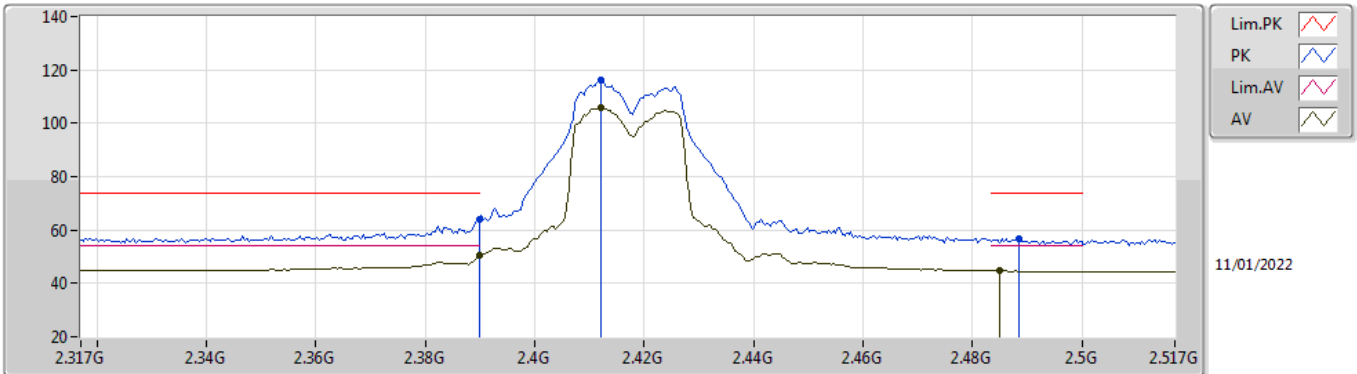


EUT Y_4TX
Setting 21
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82052G	45.08	74.00	-28.92	40.48	3	Horizontal	357	1.46	-	31.06	5.60	32.06
AV	4.82024G	31.40	54.00	-22.60	26.80	3	Horizontal	357	1.46	-	31.06	5.60	32.06

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

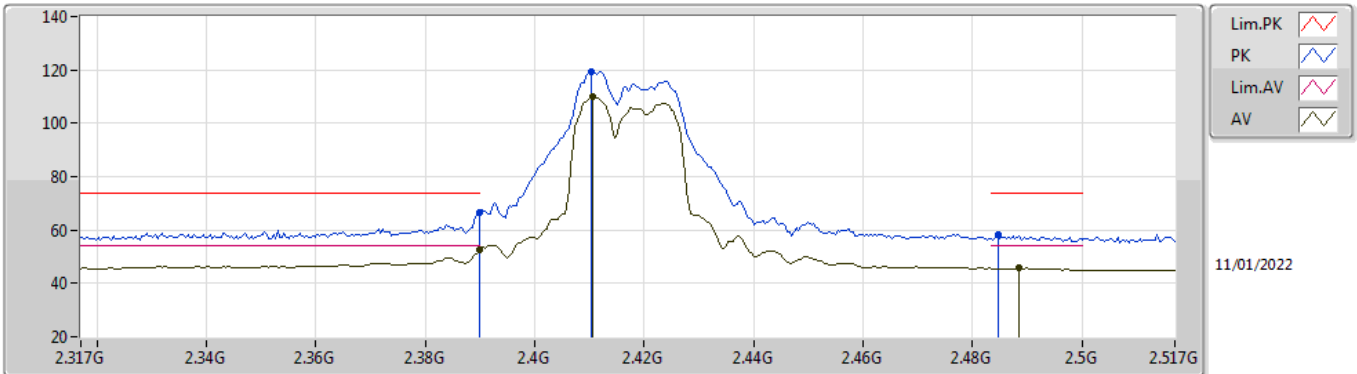


EUT_X_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	63.72	74.00	-10.28	32.45	3	Vertical	0.1	2.74	-	27.48	3.79	-
AV	2.3898G	50.38	54.00	-3.62	19.11	3	Vertical	0.1	2.74	-	27.48	3.79	-
PK	2.4122G	116.31	Inf	-Inf	85.15	3	Vertical	0.1	2.74	-	27.35	3.81	-
AV	2.4122G	105.69	Inf	-Inf	74.53	3	Vertical	0.1	2.74	-	27.35	3.81	-
PK	2.4886G	56.78	74.00	-17.22	25.61	3	Vertical	0.1	2.74	-	27.28	3.89	-
AV	2.485G	44.68	54.00	-9.32	13.52	3	Vertical	0.1	2.74	-	27.27	3.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

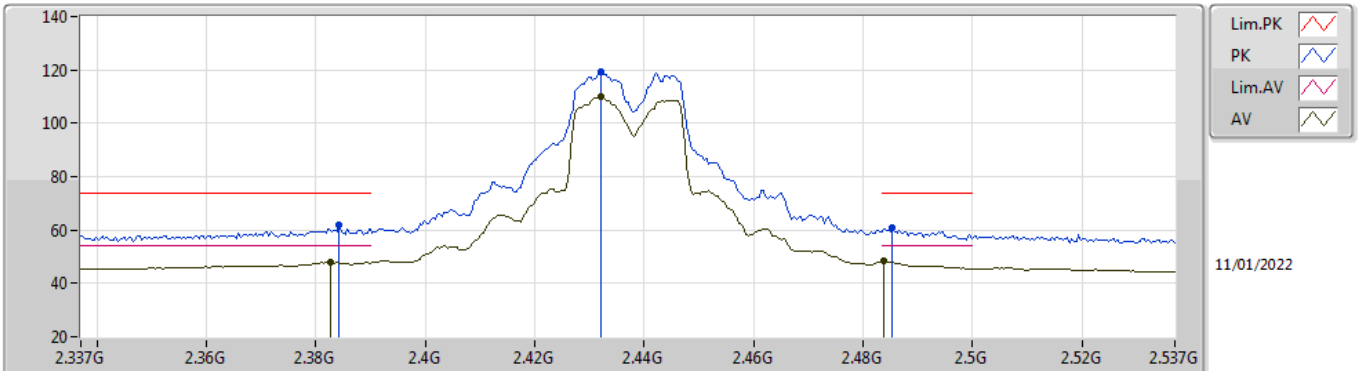


EUT X_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	66.69	74.00	-7.31	35.42	3	Horizontal	268	1.67	-	27.48	3.79	-
AV	2.3898G	52.69	54.00	-1.31	21.42	3	Horizontal	268	1.67	-	27.48	3.79	-
PK	2.4102G	119.32	Inf	-Inf	88.15	3	Horizontal	268	1.67	-	27.36	3.81	-
AV	2.4106G	110.23	Inf	-Inf	79.06	3	Horizontal	268	1.67	-	27.36	3.81	-
PK	2.4846G	58.04	74.00	-15.96	26.89	3	Horizontal	268	1.67	-	27.27	3.88	-
AV	2.4886G	45.69	54.00	-8.31	14.52	3	Horizontal	268	1.67	-	27.28	3.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

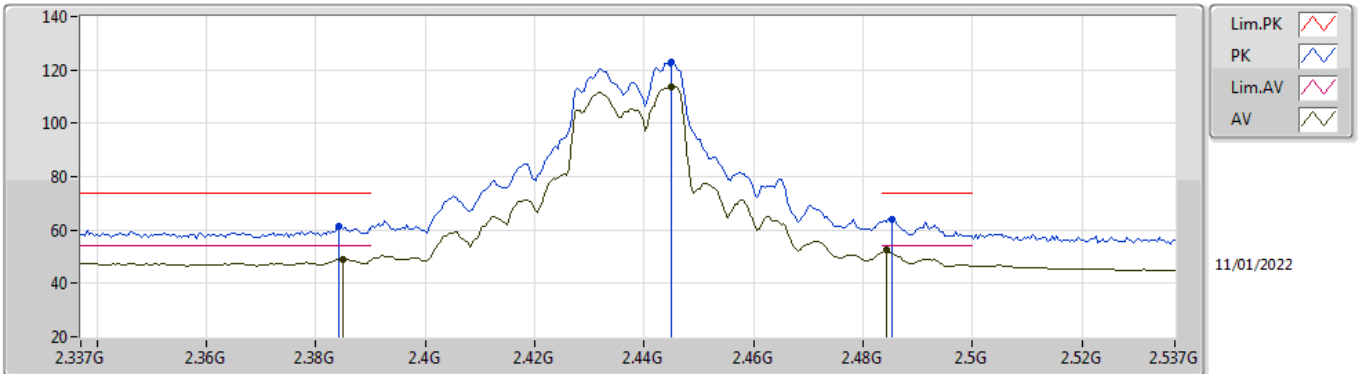


EUT_X_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3842G	61.90	74.00	-12.10	30.58	3	Vertical	0	2.70	-	27.53	3.79	-
AV	2.3826G	47.91	54.00	-6.09	16.58	3	Vertical	0	2.70	-	27.54	3.79	-
PK	2.4322G	119.30	Inf	-Inf	88.20	3	Vertical	0	2.70	-	27.27	3.83	-
AV	2.4322G	110.14	Inf	-Inf	79.04	3	Vertical	0	2.70	-	27.27	3.83	-
PK	2.4854G	60.63	74.00	-13.37	29.47	3	Vertical	0	2.70	-	27.27	3.89	-
AV	2.4838G	48.55	54.00	-5.45	17.40	3	Vertical	0	2.70	-	27.27	3.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

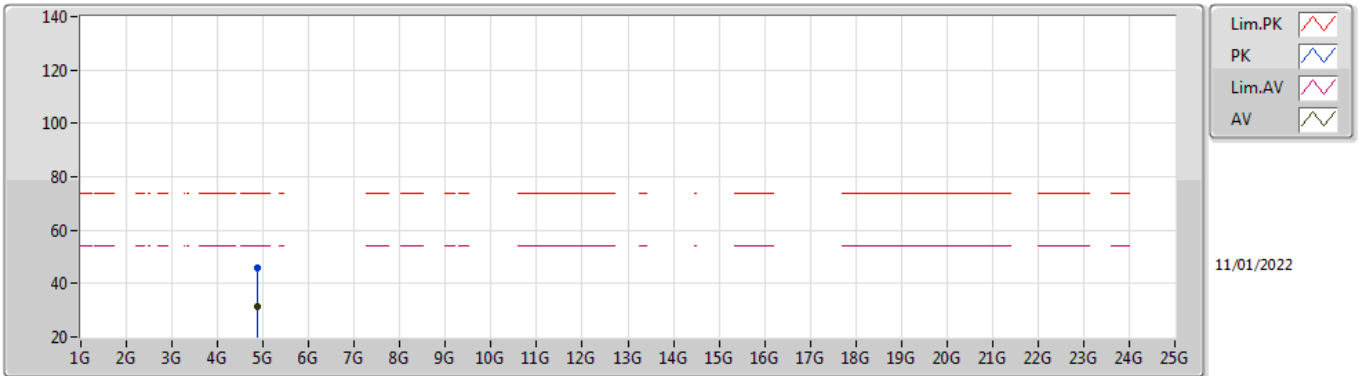


EUT_X_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3842G	61.15	74.00	-12.85	29.83	3	Horizontal	245	2.61	-	27.53	3.79	-
AV	2.385G	49.14	54.00	-4.86	17.83	3	Horizontal	245	2.61	-	27.52	3.79	-
PK	2.445G	122.81	Inf	-Inf	91.75	3	Horizontal	245	2.61	-	27.22	3.84	-
AV	2.445G	113.43	Inf	-Inf	82.37	3	Horizontal	245	2.61	-	27.22	3.84	-
PK	2.4854G	63.86	74.00	-10.14	32.70	3	Horizontal	245	2.61	-	27.27	3.89	-
AV	2.4842G	52.56	54.00	-1.44	21.41	3	Horizontal	245	2.61	-	27.27	3.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

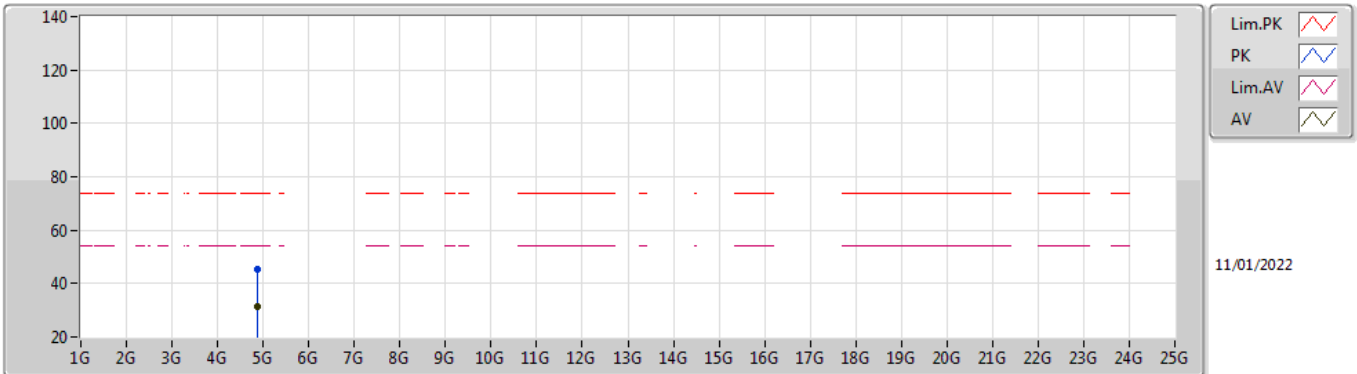


EUT Y_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87802G	45.67	74.00	-28.33	41.02	3	Vertical	60	2.98	-	31.06	5.60	32.01	
AV	4.87192G	31.55	54.00	-22.45	26.93	3	Vertical	60	2.98	-	31.04	5.60	32.02	

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

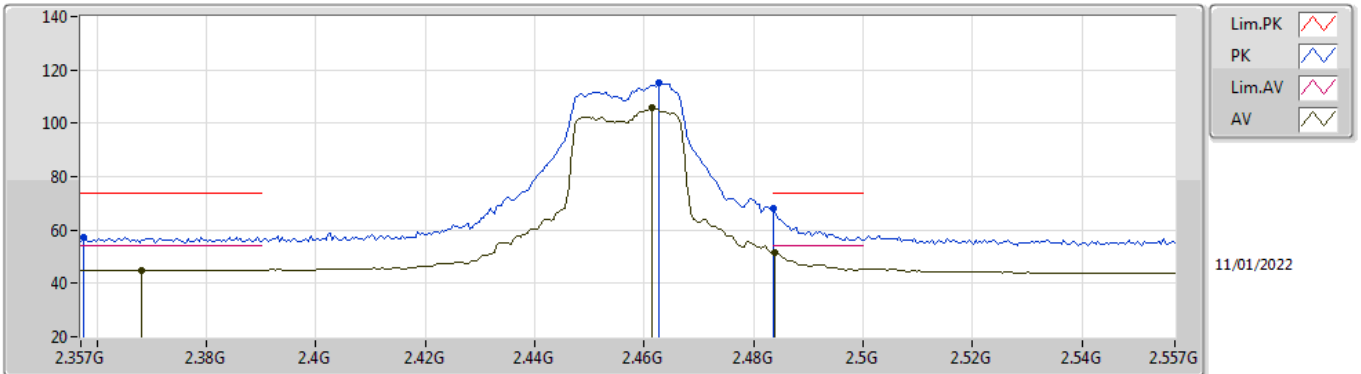


EUT Y_4TX
Setting 29
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87674G	45.41	74.00	-28.59	40.77	3	Horizontal	135	1.02	-	31.05	5.60	32.01	
AV	4.87188G	31.53	54.00	-22.47	26.91	3	Horizontal	135	1.02	-	31.04	5.60	32.02	

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

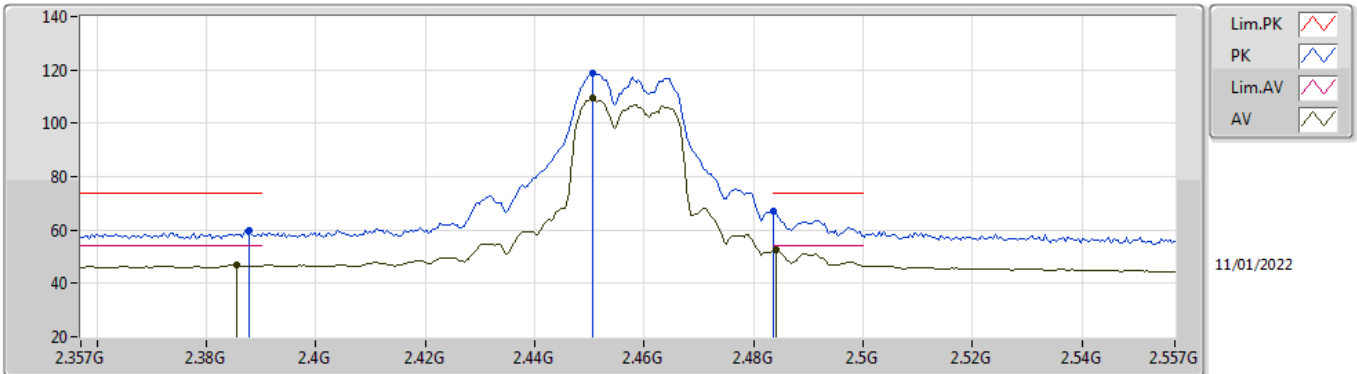


EUT_X_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3574G	57.46	74.00	-16.54	25.94	3	Vertical	360	2.29	-	27.74	3.78	-
AV	2.3682G	45.07	54.00	-8.93	13.64	3	Vertical	360	2.29	-	27.65	3.78	-
PK	2.4626G	115.39	Inf	-Inf	84.30	3	Vertical	360	2.29	-	27.23	3.86	-
AV	2.4614G	105.93	Inf	-Inf	74.85	3	Vertical	360	2.29	-	27.22	3.86	-
PK	2.4835G	68.05	74.00	-5.95	36.90	3	Vertical	360	2.29	-	27.27	3.88	-
AV	2.4838G	51.52	54.00	-2.48	20.37	3	Vertical	360	2.29	-	27.27	3.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

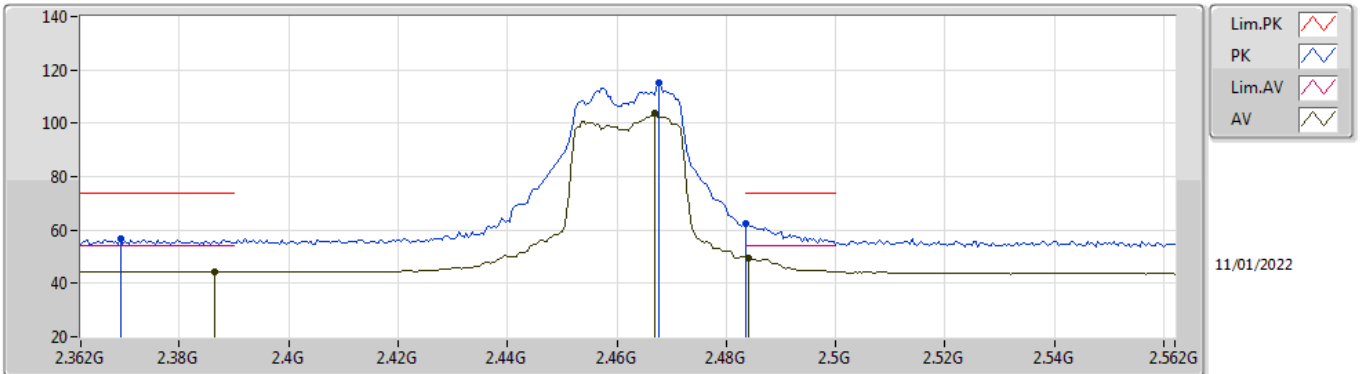


EUT_X_4TX
Setting 22
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	59.75	74.00	-14.25	28.46	3	Horizontal	275	1.85	-	27.50	3.79	-
AV	2.3854G	46.83	54.00	-7.17	15.52	3	Horizontal	275	1.85	-	27.52	3.79	-
PK	2.4506G	118.68	Inf	-Inf	87.63	3	Horizontal	275	1.85	-	27.20	3.85	-
AV	2.4506G	109.35	Inf	-Inf	78.30	3	Horizontal	275	1.85	-	27.20	3.85	-
PK	2.4835G	67.23	74.00	-6.77	36.08	3	Horizontal	275	1.85	-	27.27	3.88	-
AV	2.4842G	52.70	54.00	-1.30	21.55	3	Horizontal	275	1.85	-	27.27	3.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

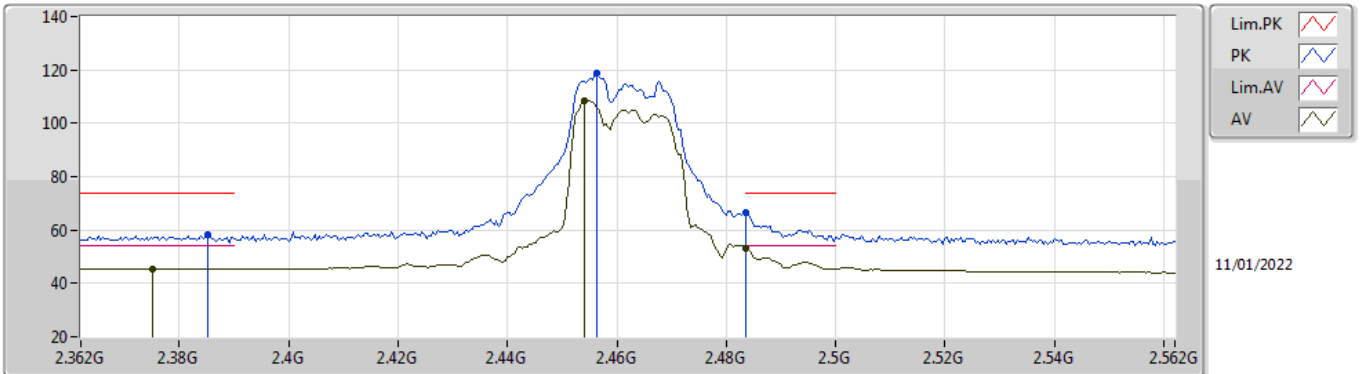


EUT_X_4TX
Setting 19.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3692G	56.79	74.00	-17.21	25.36	3	Vertical	360	2.29	-	27.65	3.78	-
AV	2.3864G	44.37	54.00	-9.63	13.07	3	Vertical	360	2.29	-	27.51	3.79	-
PK	2.4676G	115.03	Inf	-Inf	83.92	3	Vertical	360	2.29	-	27.24	3.87	-
AV	2.4668G	103.58	Inf	-Inf	72.48	3	Vertical	360	2.29	-	27.23	3.87	-
PK	2.4835G	62.57	74.00	-11.43	31.42	3	Vertical	360	2.29	-	27.27	3.88	-
AV	2.484G	49.45	54.00	-4.55	18.30	3	Vertical	360	2.29	-	27.27	3.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

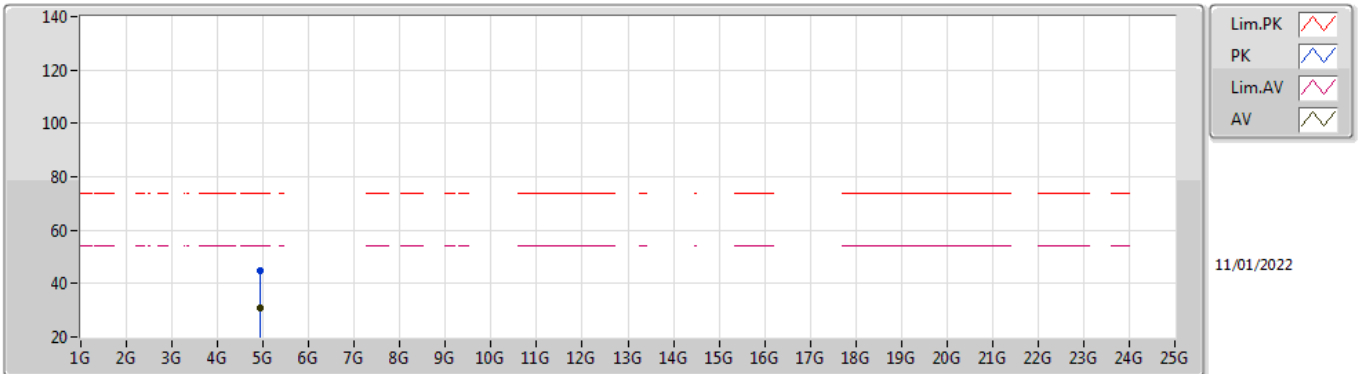


EUT_X_4TX
Setting 19.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	58.37	74.00	-15.63	27.06	3	Horizontal	275	1.19	-	27.52	3.79	-
AV	2.3752G	45.49	54.00	-8.51	14.10	3	Horizontal	275	1.19	-	27.60	3.79	-
PK	2.4564G	118.67	Inf	-Inf	87.60	3	Horizontal	275	1.19	-	27.21	3.86	-
AV	2.454G	108.35	Inf	-Inf	77.29	3	Horizontal	275	1.19	-	27.21	3.85	-
PK	2.4835G	66.60	74.00	-7.40	35.45	3	Horizontal	275	1.19	-	27.27	3.88	-
AV	2.4835G	52.99	54.00	-1.01	21.84	3	Horizontal	275	1.19	-	27.27	3.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

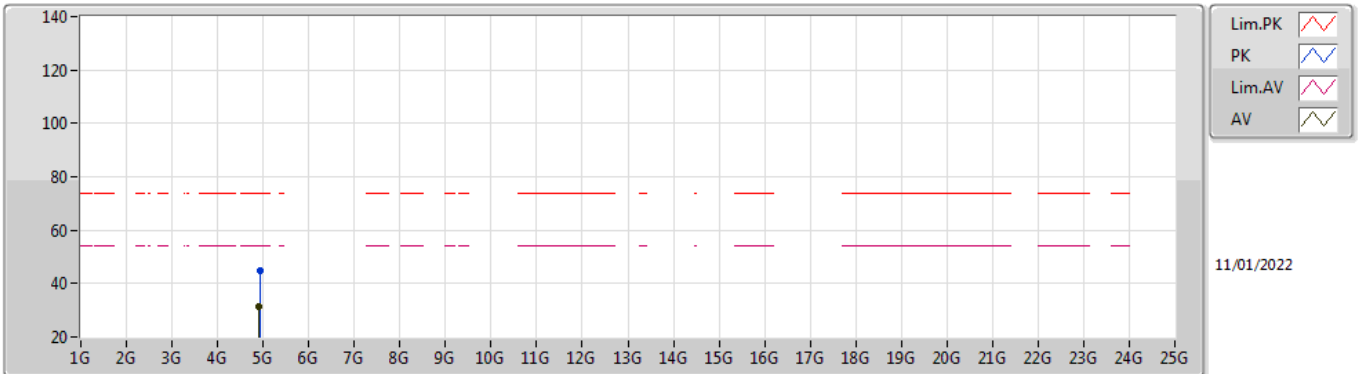


EUT Y_4TX
Setting 19.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92444G	45.06	74.00	-28.94	40.23	3	Vertical	141	1.84	-	31.20	5.60	31.97	
AV	4.91994G	31.09	54.00	-22.91	26.29	3	Vertical	141	1.84	-	31.18	5.60	31.98	

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

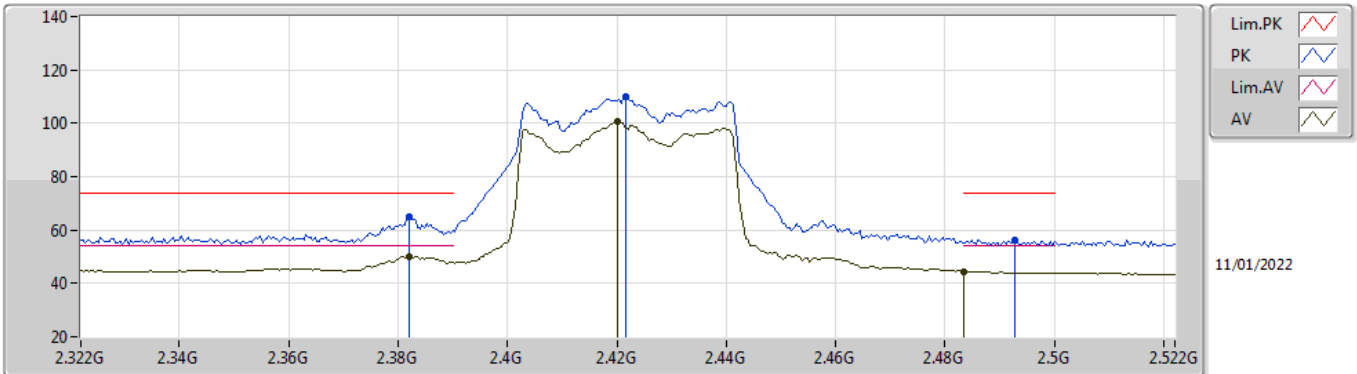


EUT Y_4TX
Setting 19.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92054G	45.02	74.00	-28.98	40.22	3	Horizontal	312	1.47	-	31.18	5.60	31.98	
AV	4.91918G	31.15	54.00	-22.85	26.35	3	Horizontal	312	1.47	-	31.18	5.60	31.98	

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

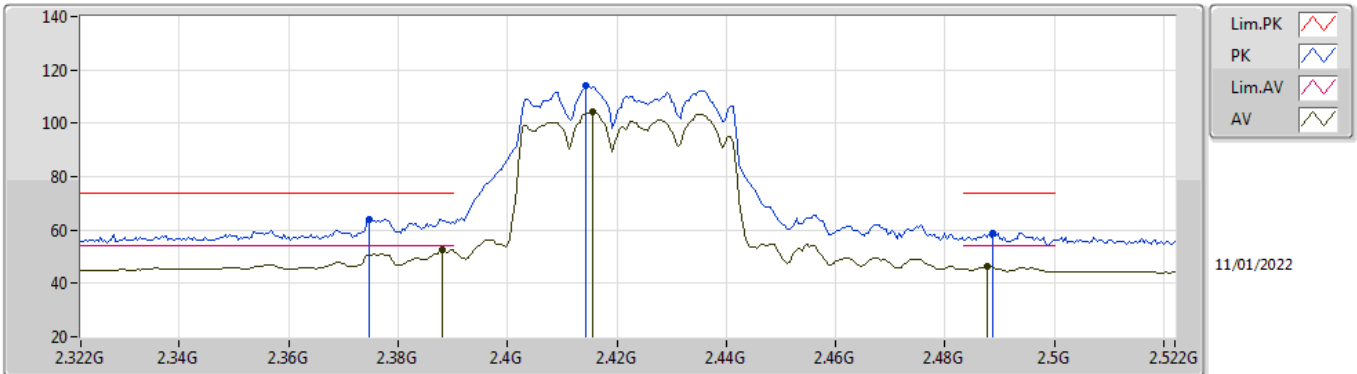


EUT X_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.382G	65.03	74.00	-8.97	33.70	3	Vertical	352	1.38	-	27.54	3.79	-
AV	2.382G	50.16	54.00	-3.84	18.83	3	Vertical	352	1.38	-	27.54	3.79	-
PK	2.4216G	109.93	Inf	-Inf	78.80	3	Vertical	352	1.38	-	27.31	3.82	-
AV	2.42G	100.85	Inf	-Inf	69.71	3	Vertical	352	1.38	-	27.32	3.82	-
PK	2.4928G	56.41	74.00	-17.59	25.23	3	Vertical	352	1.38	-	27.29	3.89	-
AV	2.4835G	44.48	54.00	-9.52	13.33	3	Vertical	352	1.38	-	27.27	3.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

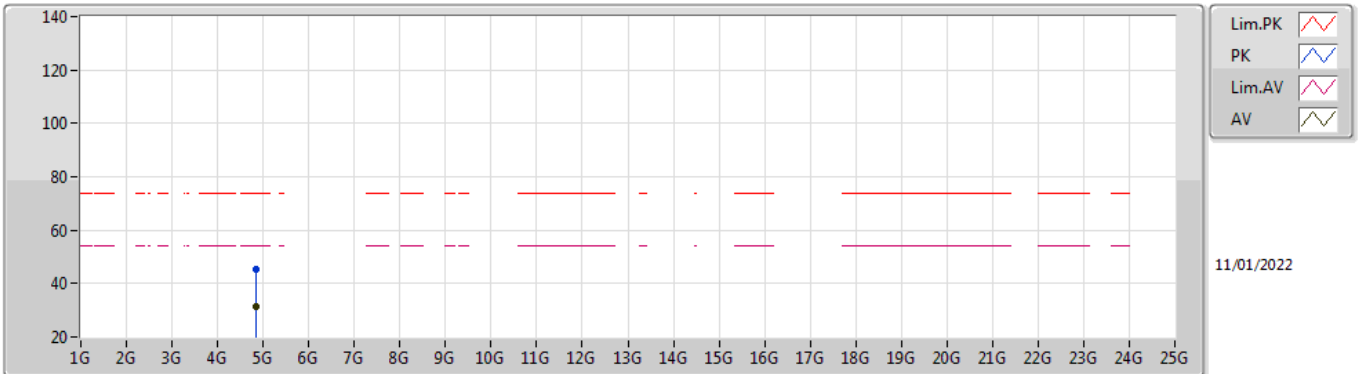


EUT X_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3748G	64.18	74.00	-9.82	32.79	3	Horizontal	267	1.42	-	27.60	3.79	-
AV	2.388G	52.60	54.00	-1.40	21.31	3	Horizontal	267	1.42	-	27.50	3.79	-
PK	2.4144G	114.22	Inf	-Inf	83.07	3	Horizontal	267	1.42	-	27.34	3.81	-
AV	2.4156G	104.37	Inf	-Inf	73.21	3	Horizontal	267	1.42	-	27.34	3.82	-
PK	2.4888G	58.89	74.00	-15.11	27.72	3	Horizontal	267	1.42	-	27.28	3.89	-
AV	2.4876G	46.38	54.00	-7.62	15.21	3	Horizontal	267	1.42	-	27.28	3.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

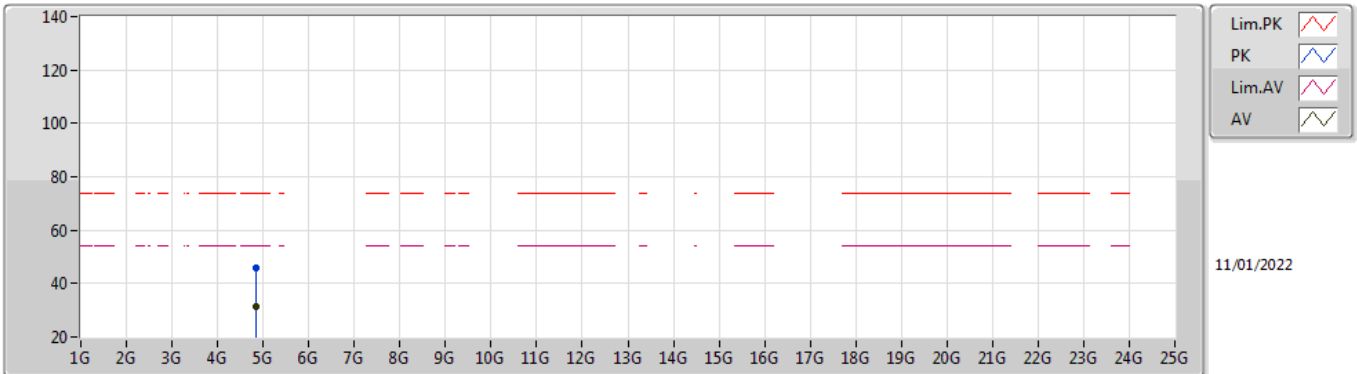


EUT Y_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84762G	45.12	74.00	-28.88	40.56	3	Vertical	127	1.97	-	31.00	5.60	32.04
AV	4.84102G	31.33	54.00	-22.67	26.75	3	Vertical	127	1.97	-	31.02	5.60	32.04

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

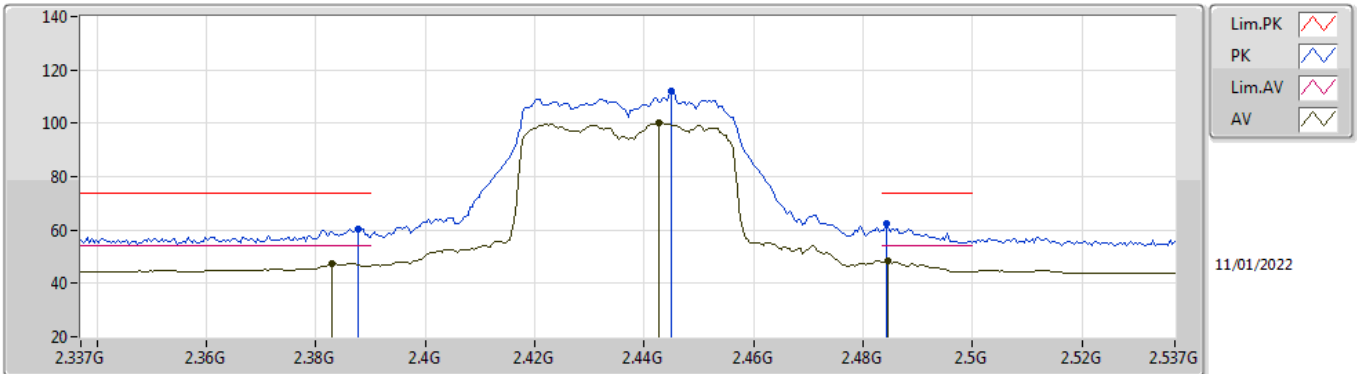


EUT Y_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8417G	45.72	74.00	-28.28	41.14	3	Horizontal	277	1.48	-	31.02	5.60	32.04	
AV	4.8396G	31.36	54.00	-22.64	26.78	3	Horizontal	277	1.48	-	31.02	5.60	32.04	

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

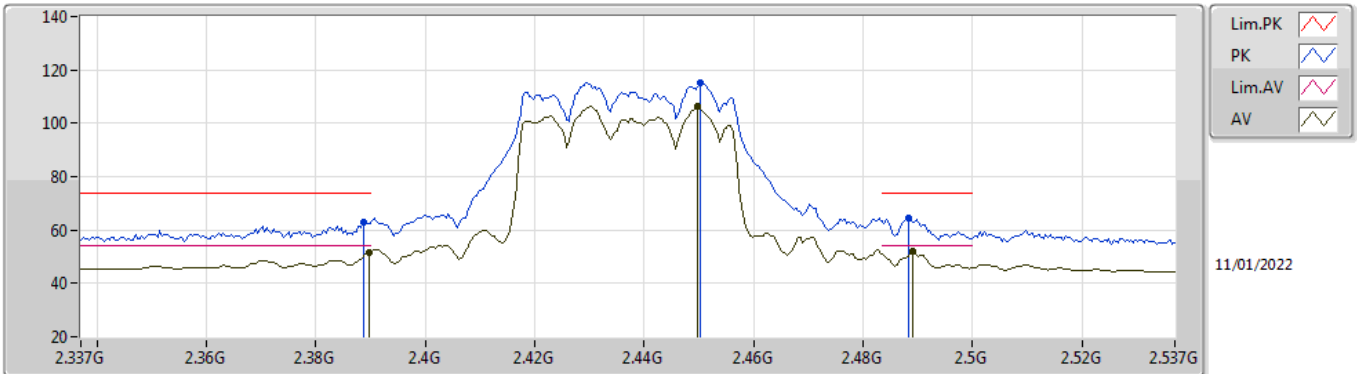


EUT_X_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	60.53	74.00	-13.47	29.24	3	Vertical	3.4	2.62	-	27.50	3.79	-
AV	2.383G	47.65	54.00	-6.35	16.32	3	Vertical	3.4	2.62	-	27.54	3.79	-
PK	2.445G	112.07	Inf	-Inf	81.01	3	Vertical	3.4	2.62	-	27.22	3.84	-
AV	2.4426G	100.38	Inf	-Inf	69.31	3	Vertical	3.4	2.62	-	27.23	3.84	-
PK	2.4842G	62.37	74.00	-11.63	31.22	3	Vertical	3.4	2.62	-	27.27	3.88	-
AV	2.4846G	48.23	54.00	-5.77	17.08	3	Vertical	3.4	2.62	-	27.27	3.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

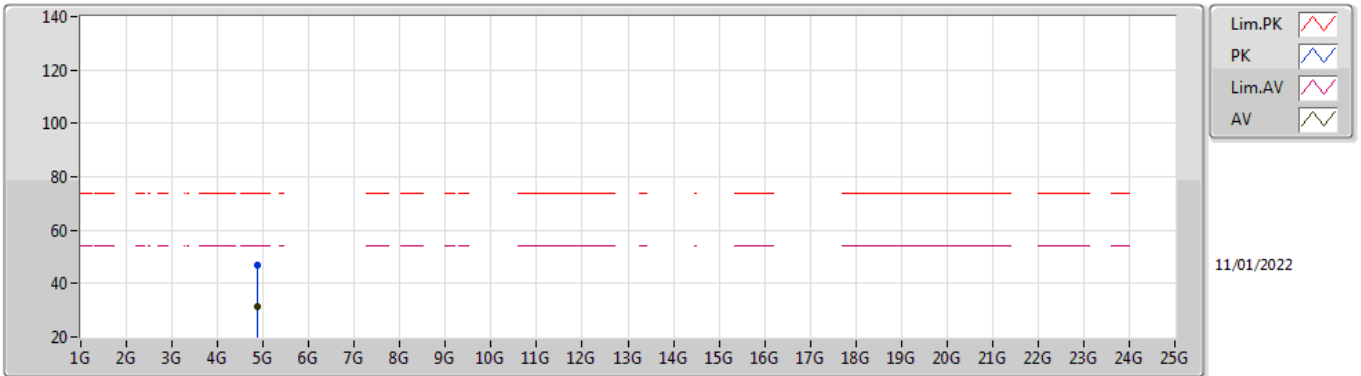


EUT X_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	62.93	74.00	-11.07	31.65	3	Horizontal	269	1.19	-	27.49	3.79	-
AV	2.3898G	51.35	54.00	-2.65	20.08	3	Horizontal	269	1.19	-	27.48	3.79	-
PK	2.4502G	115.25	Inf	-Inf	84.20	3	Horizontal	269	1.19	-	27.20	3.85	-
AV	2.4498G	106.36	Inf	-Inf	75.31	3	Horizontal	269	1.19	-	27.20	3.85	-
PK	2.4882G	64.53	74.00	-9.47	33.36	3	Horizontal	269	1.19	-	27.28	3.89	-
AV	2.489G	51.90	54.00	-2.10	20.73	3	Horizontal	269	1.19	-	27.28	3.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

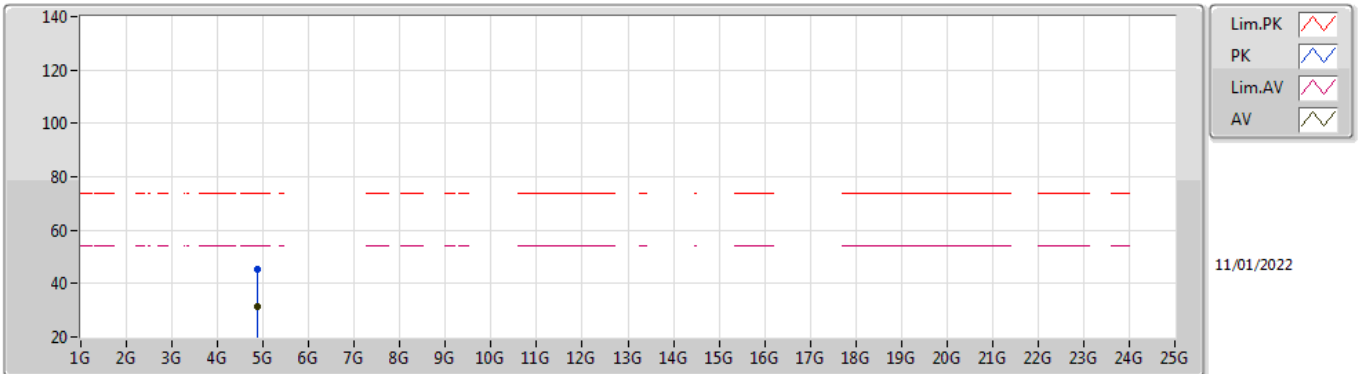


EUT Y_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87682G	46.86	74.00	-27.14	42.22	3	Vertical	283	2.86	-	31.05	5.60	32.01
AV	4.87832G	31.47	54.00	-22.53	26.82	3	Vertical	283	2.86	-	31.06	5.60	32.01

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

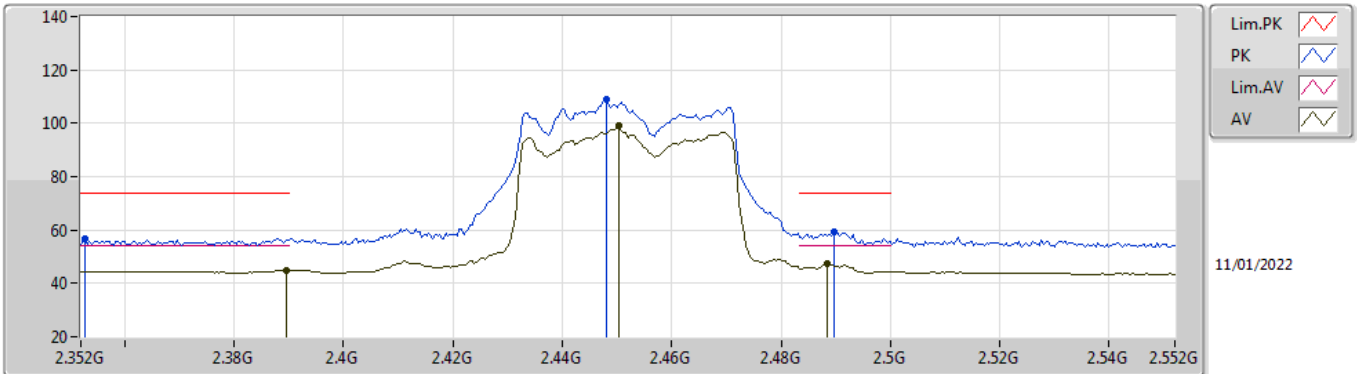


EUT Y_4TX
Setting 20
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87226G	45.29	74.00	-28.71	40.67	3	Horizontal	283	2.75	-	31.04	5.60	32.02	
AV	4.87116G	31.48	54.00	-22.52	26.86	3	Horizontal	283	2.75	-	31.04	5.60	32.02	

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

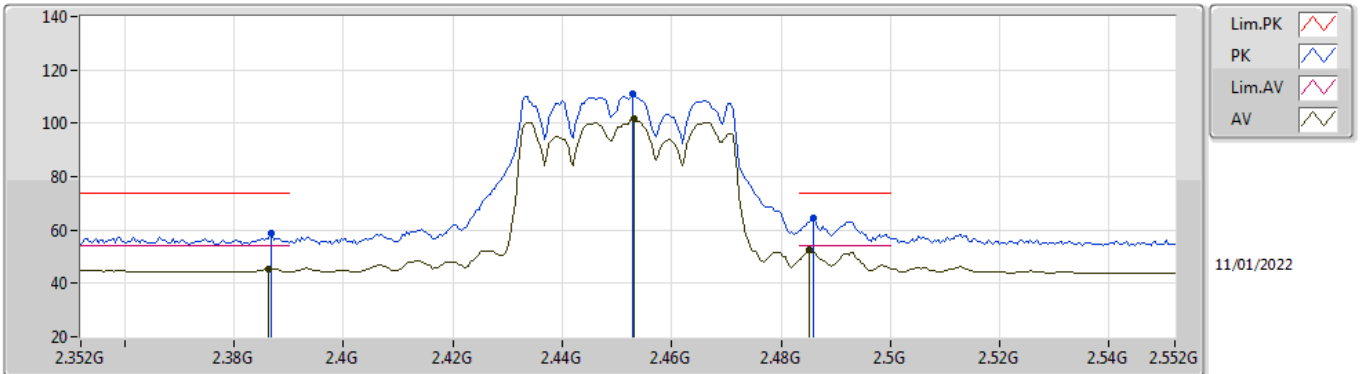


EUT X_4TX
Setting 18.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3528G	56.70	74.00	-17.30	25.14	3	Vertical	350	1.14	-	27.78	3.78	-
AV	2.3896G	44.83	54.00	-9.17	13.56	3	Vertical	350	1.14	-	27.48	3.79	-
PK	2.448G	108.96	Inf	-Inf	77.90	3	Vertical	350	1.14	-	27.21	3.85	-
AV	2.4504G	99.15	Inf	-Inf	68.10	3	Vertical	350	1.14	-	27.20	3.85	-
PK	2.4896G	59.31	74.00	-14.69	28.14	3	Vertical	350	1.14	-	27.28	3.89	-
AV	2.4884G	47.37	54.00	-6.63	16.20	3	Vertical	350	1.14	-	27.28	3.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

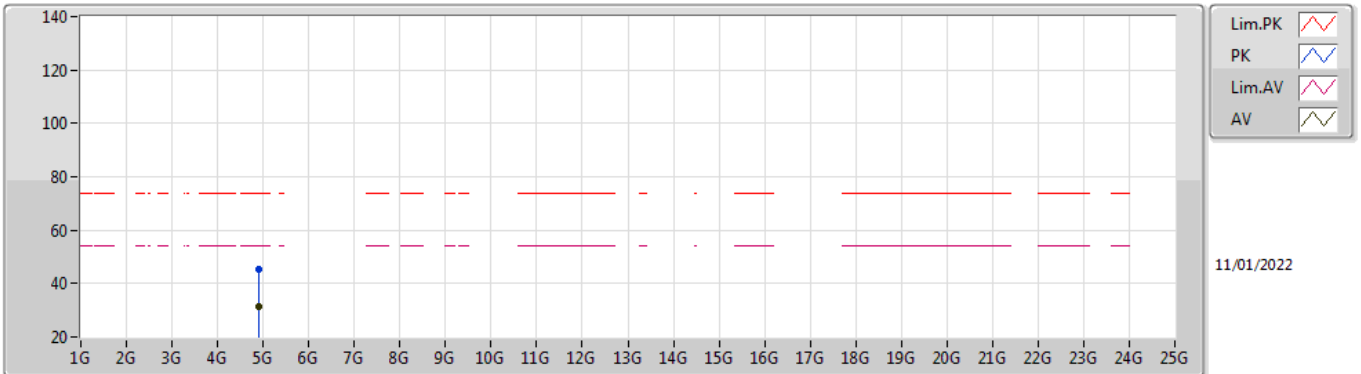


EUT_X_4TX
Setting 18.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	58.76	74.00	-15.24	27.46	3	Horizontal	292	1.80	-	27.51	3.79	-
AV	2.3864G	45.46	54.00	-8.54	14.16	3	Horizontal	292	1.80	-	27.51	3.79	-
PK	2.4528G	110.81	Inf	-Inf	79.75	3	Horizontal	292	1.80	-	27.21	3.85	-
AV	2.4532G	101.92	Inf	-Inf	70.86	3	Horizontal	292	1.80	-	27.21	3.85	-
PK	2.486G	64.43	74.00	-9.57	33.27	3	Horizontal	292	1.80	-	27.27	3.89	-
AV	2.4852G	52.59	54.00	-1.41	21.43	3	Horizontal	292	1.80	-	27.27	3.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

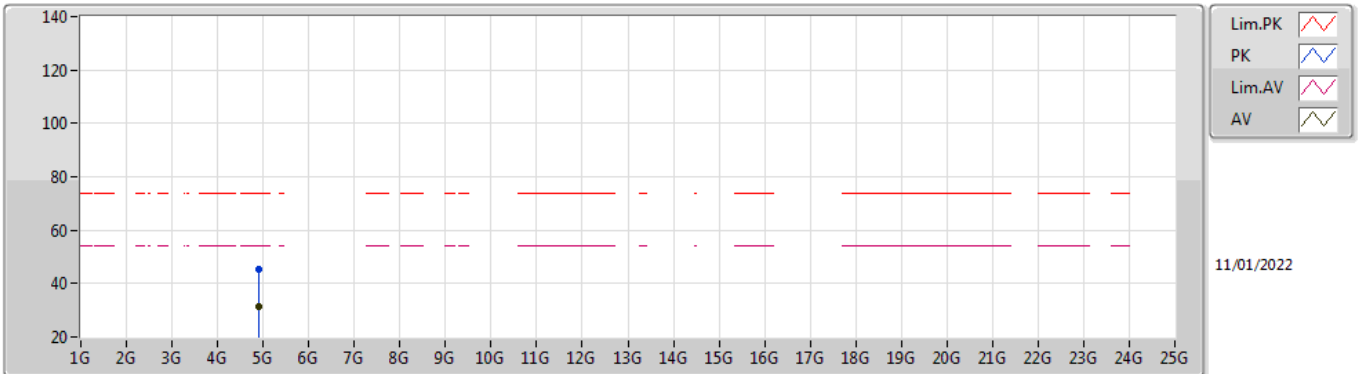


EUT Y_4TX
Setting 18.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.90204G	45.25	74.00	-28.75	40.53	3	Vertical	12	2.17	-	31.11	5.60	31.99	
AV	4.90028G	31.44	54.00	-22.56	26.73	3	Vertical	12	2.17	-	31.10	5.60	31.99	

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 18.5
06-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9072G	45.24	74.00	-28.76	40.50	3	Horizontal	78	1.20	-	31.13	5.60	31.99
AV	4.8999G	31.40	54.00	-22.60	26.69	3	Horizontal	78	1.20	-	31.10	5.60	31.99

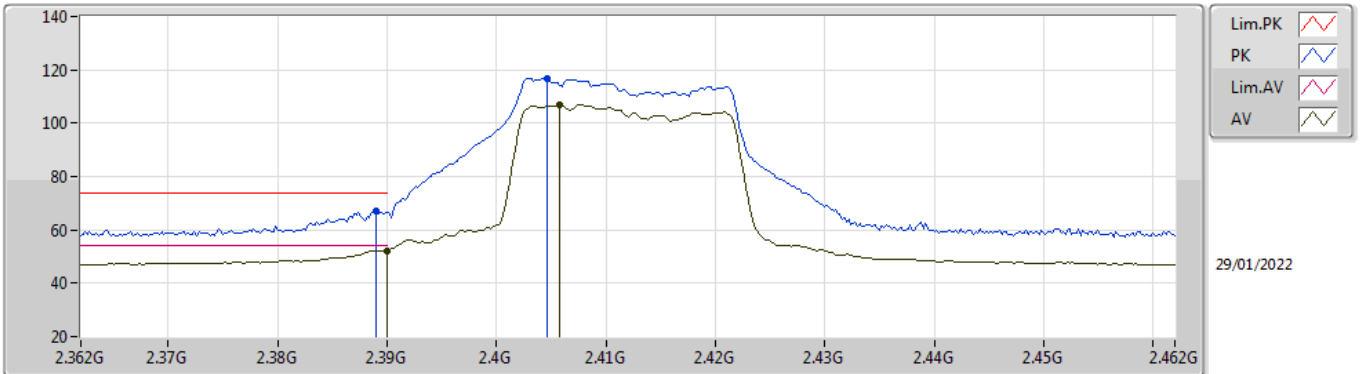


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	AV	2.3898G	52.99	54.00	-1.01	3	Vertical	348	3.00	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

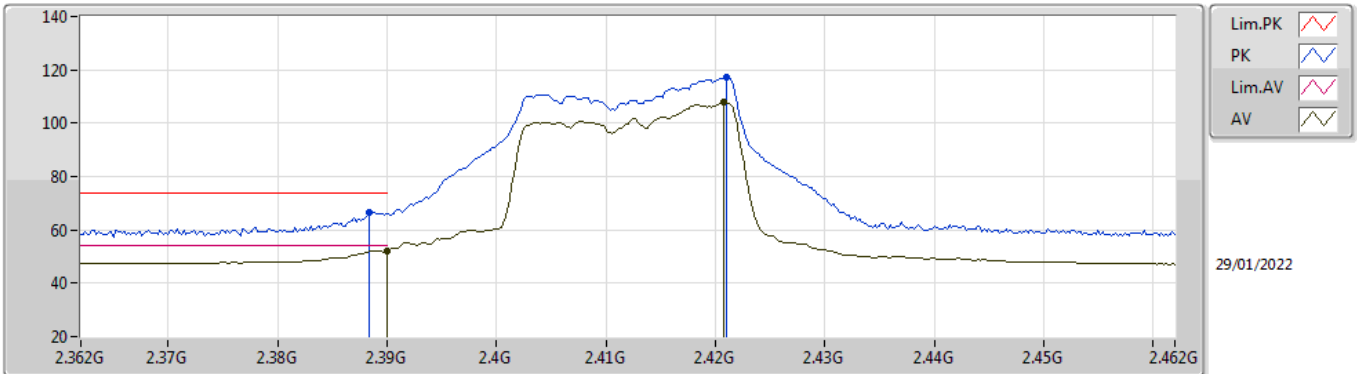


EUT X_4TX
Setting 53
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	67.28	74.00	-6.72	36.00	3	Vertical	342	1.12	-	27.49	3.79	-
AV	2.39G	52.21	54.00	-1.79	20.94	3	Vertical	342	1.12	-	27.48	3.79	-
PK	2.4046G	116.95	Inf	-Inf	85.77	3	Vertical	342	1.12	-	27.38	3.80	-
AV	2.4058G	106.89	Inf	-Inf	75.70	3	Vertical	342	1.12	-	27.38	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

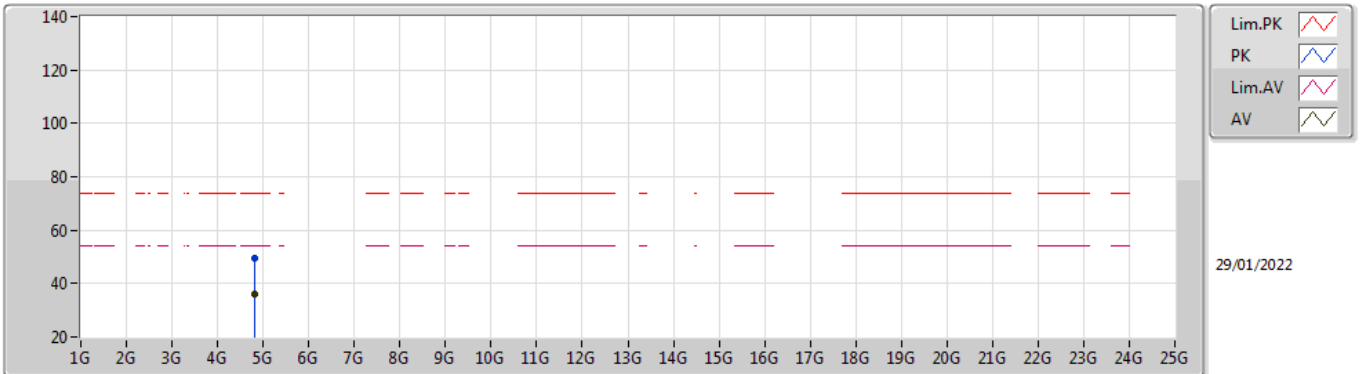


EUT_X_4TX
Setting 53
03-B-E-2

Type	Freq (Hz)	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	66.61	74.00	-7.39	35.33	3	Horizontal	233	1.85	-	27.49	3.79	-	
AV	2.39G	52.05	54.00	-1.95	20.78	3	Horizontal	233	1.85	-	27.48	3.79	-	
PK	2.421G	117.48	Inf	-Inf	86.34	3	Horizontal	233	1.85	-	27.32	3.82	-	
AV	2.4208G	107.95	Inf	-Inf	76.81	3	Horizontal	233	1.85	-	27.32	3.82	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

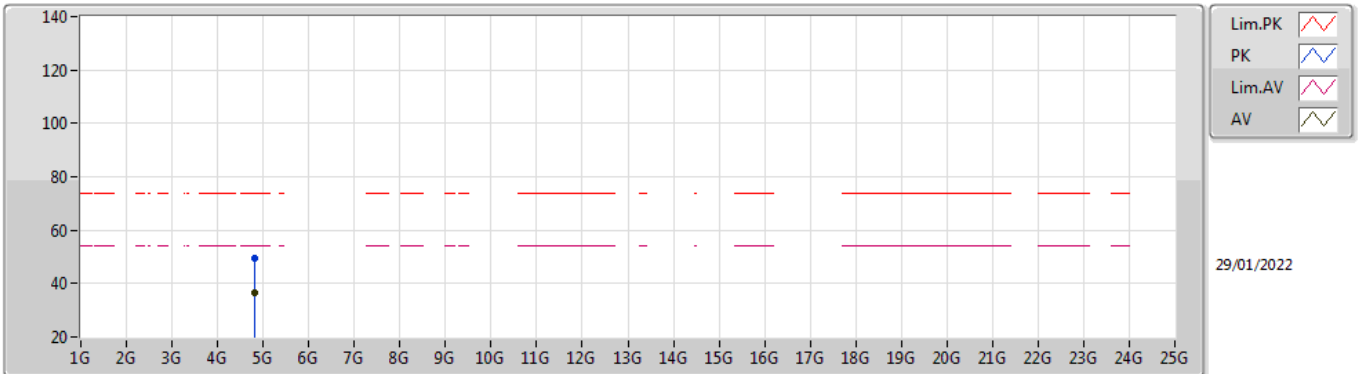


EUT Y_4TX
Setting 53
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.80942G	49.55	74.00	-24.45	44.94	3	Vertical	254	1.97	-	31.08	5.60	32.07
AV	4.82316G	36.23	54.00	-17.77	31.64	3	Vertical	254	1.97	-	31.05	5.60	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

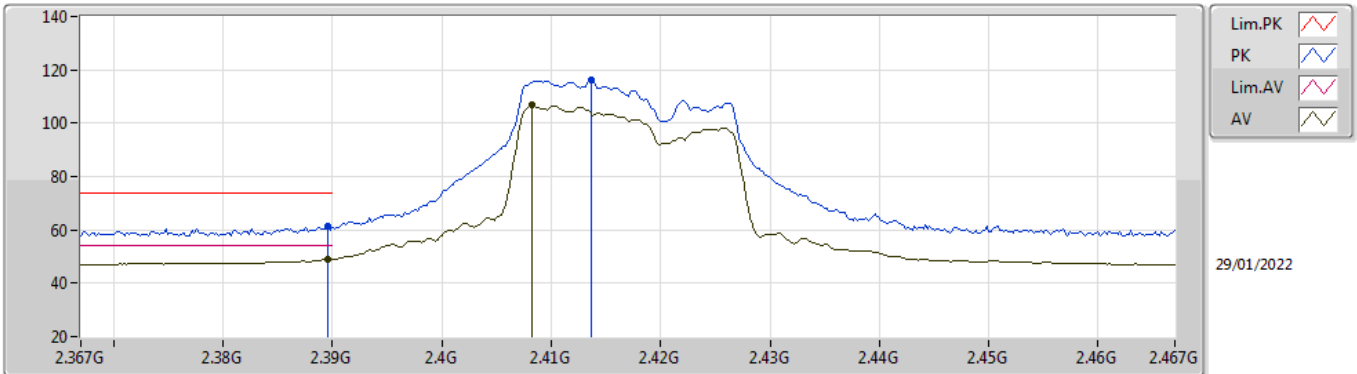


EUT Y_4TX
Setting 53
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8243G	49.67	74.00	-24.33	45.08	3	Horizontal	266	1.80	-	31.05	5.60	32.06
AV	4.82508G	36.57	54.00	-17.43	31.98	3	Horizontal	266	1.80	-	31.05	5.60	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

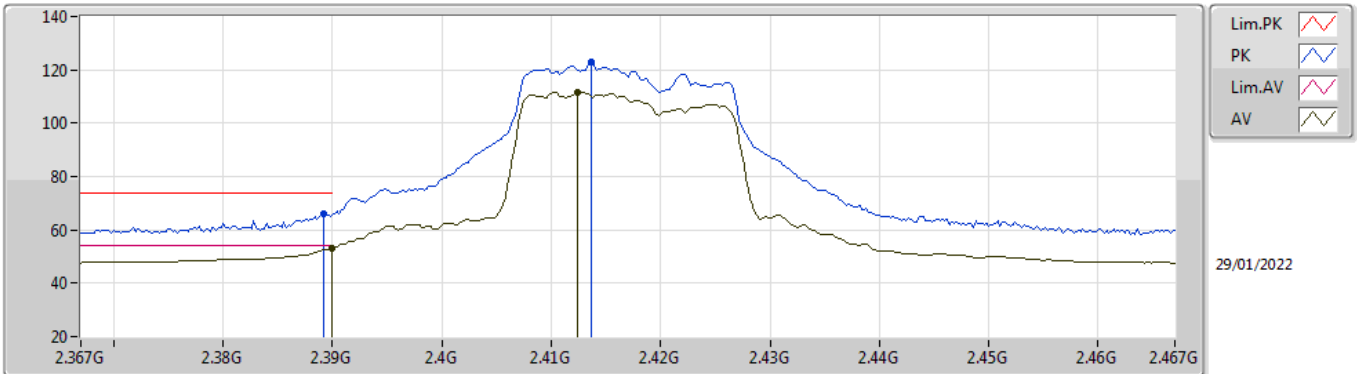


EUT_X_4TX
Setting 56
03-B-E-2

Type	Freq (Hz)	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	61.38	74.00	-12.62	30.11	3	Vertical	354	1.00	-	27.48	3.79	-	
AV	2.3896G	48.92	54.00	-5.08	17.65	3	Vertical	354	1.00	-	27.48	3.79	-	
PK	2.4136G	116.19	Inf	-Inf	85.03	3	Vertical	354	1.00	-	27.35	3.81	-	
AV	2.4082G	106.66	Inf	-Inf	75.48	3	Vertical	354	1.00	-	27.37	3.81	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

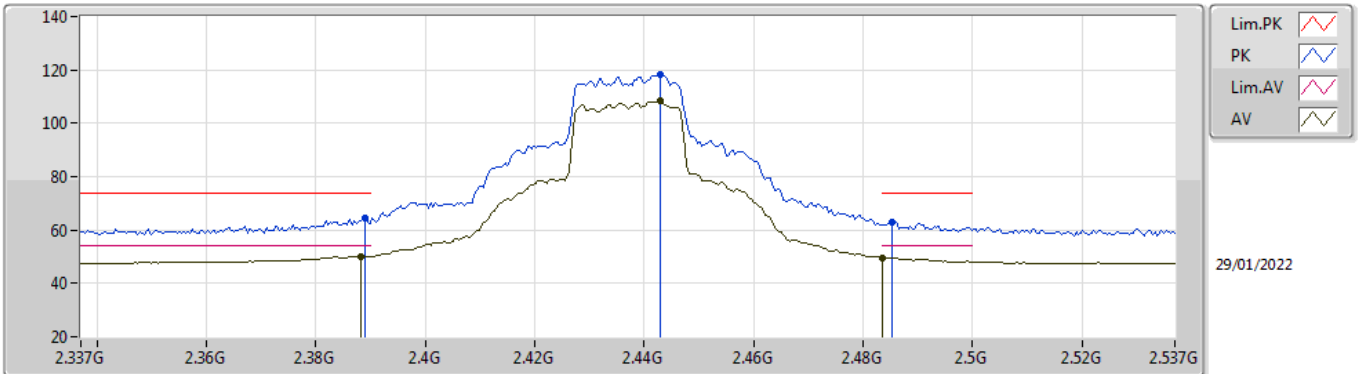


EUT_X_4TX
Setting 56
03-B-E-2

Type	Freq (Hz)	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	66.18	74.00	-7.82	34.90	3	Horizontal	251	1.25	-	27.49	3.79	-
AV	2.39G	52.94	54.00	-1.06	21.67	3	Horizontal	251	1.25	-	27.48	3.79	-
PK	2.4136G	122.70	Inf	-Inf	91.54	3	Horizontal	251	1.25	-	27.35	3.81	-
AV	2.4124G	111.81	Inf	-Inf	80.65	3	Horizontal	251	1.25	-	27.35	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

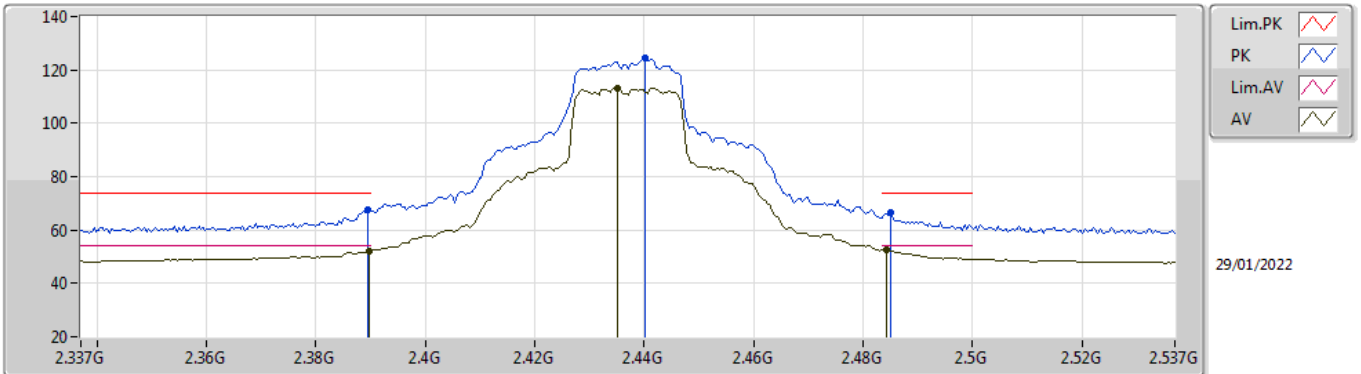


EUT_X_4TX
Setting 73
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	64.61	74.00	-9.39	33.33	3	Vertical	349	2.53	-	27.49	3.79	-
AV	2.3882G	50.20	54.00	-3.80	18.92	3	Vertical	349	2.53	-	27.49	3.79	-
PK	2.443G	118.47	Inf	-Inf	87.40	3	Vertical	349	2.53	-	27.23	3.84	-
AV	2.443G	108.33	Inf	-Inf	77.26	3	Vertical	349	2.53	-	27.23	3.84	-
PK	2.4854G	62.86	74.00	-11.14	31.70	3	Vertical	349	2.53	-	27.27	3.89	-
AV	2.4835G	49.56	54.00	-4.44	18.41	3	Vertical	349	2.53	-	27.27	3.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

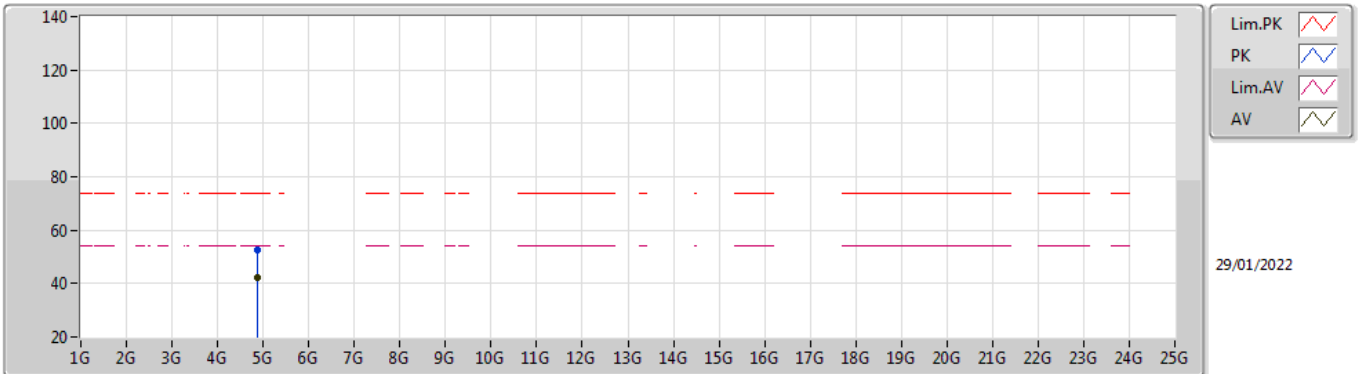


EUT X_4TX
Setting 73
03-B-E-2

Type	Freq (Hz)	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	67.61	74.00	-6.39	36.34	3	Horizontal	261	1.56	-	27.48	3.79	-
AV	2.3898G	52.15	54.00	-1.85	20.88	3	Horizontal	261	1.56	-	27.48	3.79	-
PK	2.4402G	124.72	Inf	-Inf	93.64	3	Horizontal	261	1.56	-	27.24	3.84	-
AV	2.435G	113.34	Inf	-Inf	82.25	3	Horizontal	261	1.56	-	27.26	3.83	-
PK	2.485G	66.54	74.00	-7.46	35.38	3	Horizontal	261	1.56	-	27.27	3.89	-
AV	2.4842G	52.54	54.00	-1.46	21.39	3	Horizontal	261	1.56	-	27.27	3.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

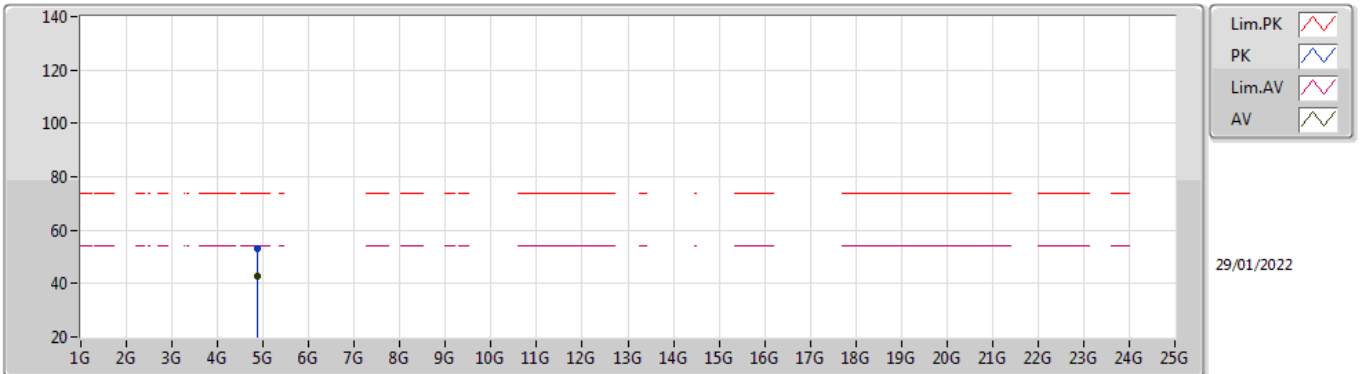


EUT Y_4TX
Setting 73
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87142G	52.72	74.00	-21.28	48.10	3	Vertical	305	1.67	-	31.04	5.60	32.02
AV	4.8692G	42.24	54.00	-11.76	37.62	3	Vertical	305	1.67	-	31.04	5.60	32.02

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

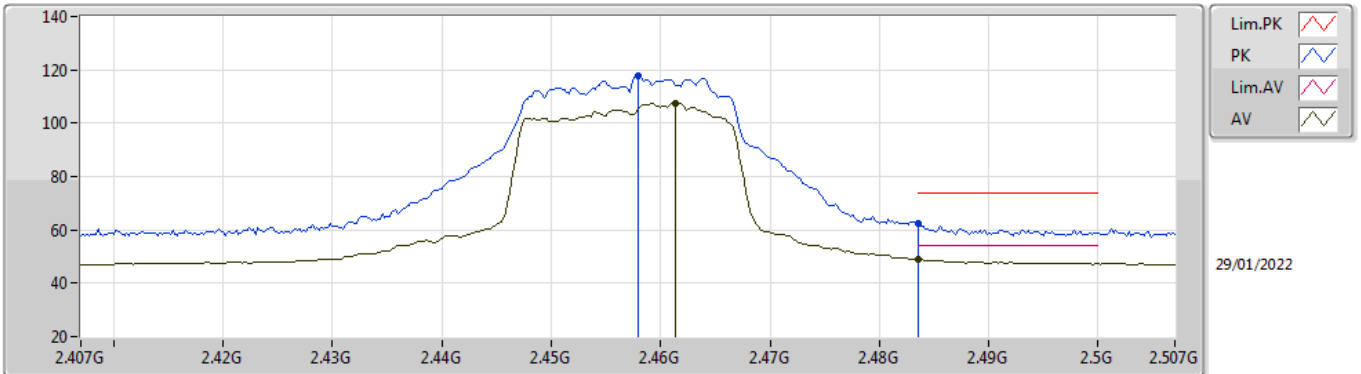


EUT Y_4TX
Setting 73
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87688G	53.29	74.00	-20.71	48.65	3	Horizontal	268	1.94	-	31.05	5.60	32.01	
AV	4.8692G	42.73	54.00	-11.27	38.11	3	Horizontal	268	1.94	-	31.04	5.60	32.02	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

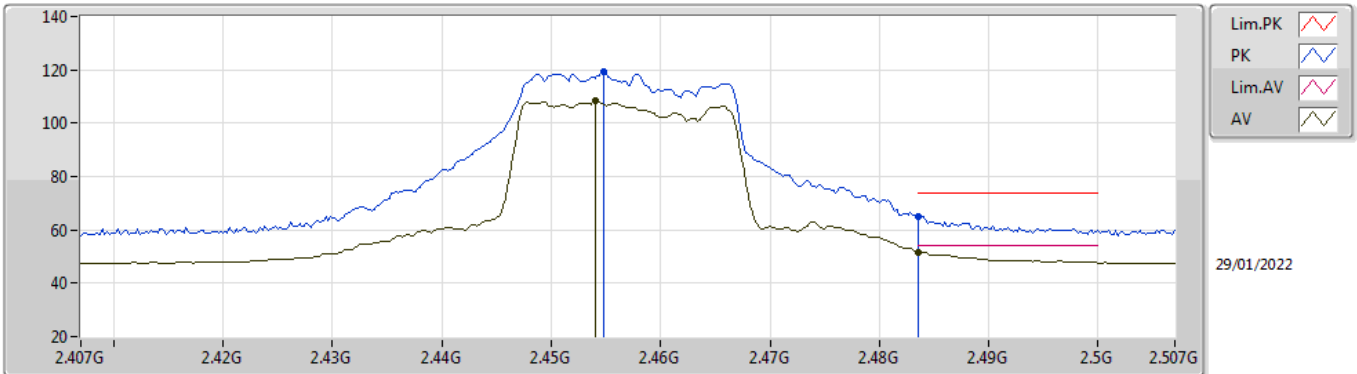


EUT_X_4TX
Setting 57
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.458G	117.93	Inf	-Inf	86.85	3	Vertical	203	2.47	-	27.22	3.86	-	
AV	2.4614G	107.63	Inf	-Inf	76.55	3	Vertical	203	2.47	-	27.22	3.86	-	
PK	2.4836G	62.39	74.00	-11.61	31.24	3	Vertical	203	2.47	-	27.27	3.88	-	
AV	2.4835G	48.94	54.00	-5.06	17.79	3	Vertical	203	2.47	-	27.27	3.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

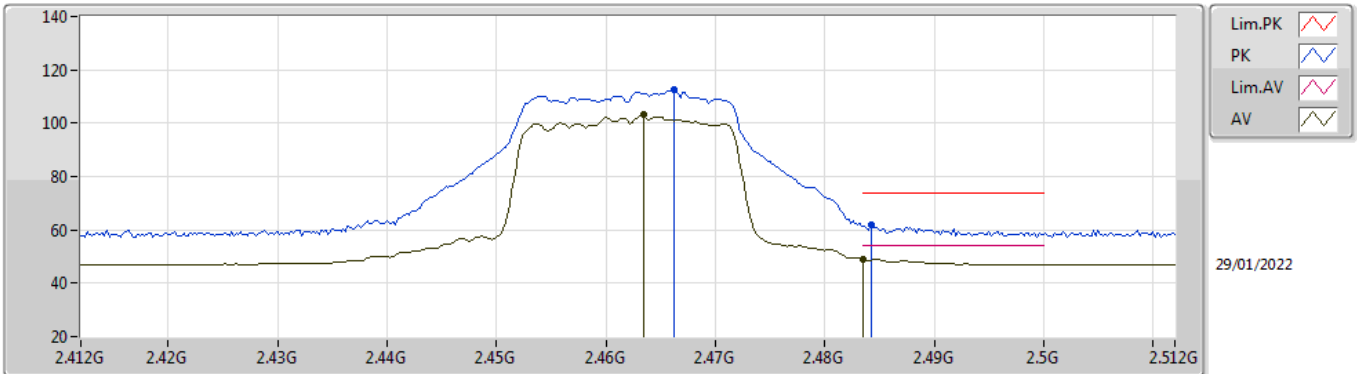


EUT_X_4TX
Setting 57
03-B-E-2

Type	Freq (Hz)	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	119.10	Inf	-Inf	88.04	3	Horizontal	274	2.80	-	27.21	3.85	-	
AV	2.454G	108.25	Inf	-Inf	77.19	3	Horizontal	274	2.80	-	27.21	3.85	-	
PK	2.4835G	65.12	74.00	-8.88	33.97	3	Horizontal	274	2.80	-	27.27	3.88	-	
AV	2.4835G	51.66	54.00	-2.34	20.51	3	Horizontal	274	2.80	-	27.27	3.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

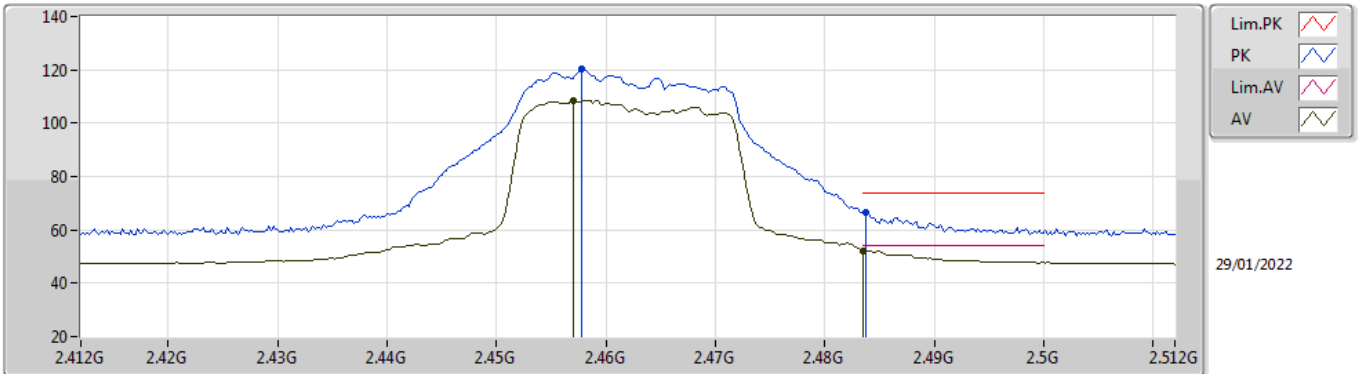


EUT_X_4TX
Setting 52
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4662G	112.48	Inf	-Inf	81.38	3	Vertical	218	2.51	-	27.23	3.87	-
AV	2.4634G	103.02	Inf	-Inf	71.93	3	Vertical	218	2.51	-	27.23	3.86	-
PK	2.4842G	62.10	74.00	-11.90	30.95	3	Vertical	218	2.51	-	27.27	3.88	-
AV	2.4835G	48.92	54.00	-5.08	17.77	3	Vertical	218	2.51	-	27.27	3.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

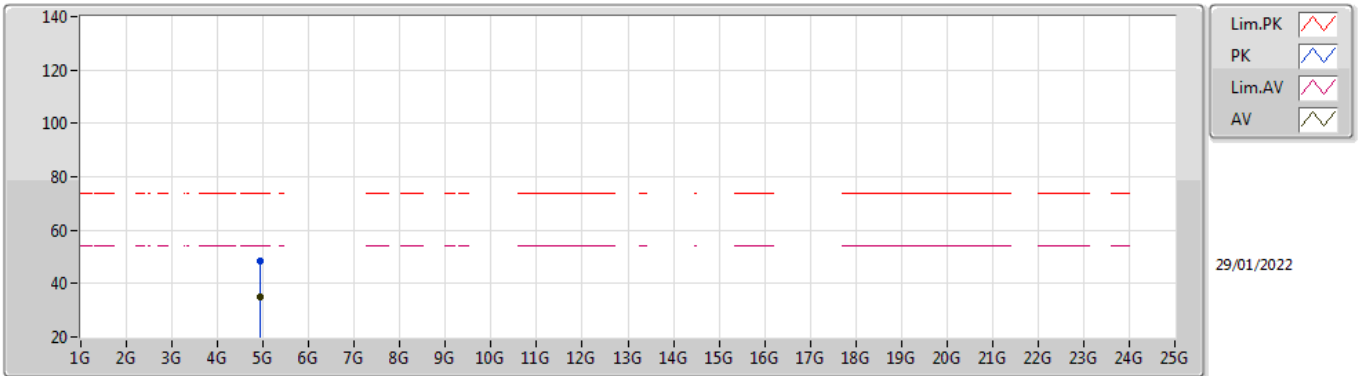


EUT X_4TX
Setting 52
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4578G	120.25	Inf	-Inf	89.17	3	Horizontal	277	1.78	-	27.22	3.86	-
AV	2.457G	108.67	Inf	-Inf	77.60	3	Horizontal	277	1.78	-	27.21	3.86	-
PK	2.4838G	66.47	74.00	-7.53	35.32	3	Horizontal	277	1.78	-	27.27	3.88	-
AV	2.4835G	52.24	54.00	-1.76	21.09	3	Horizontal	277	1.78	-	27.27	3.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

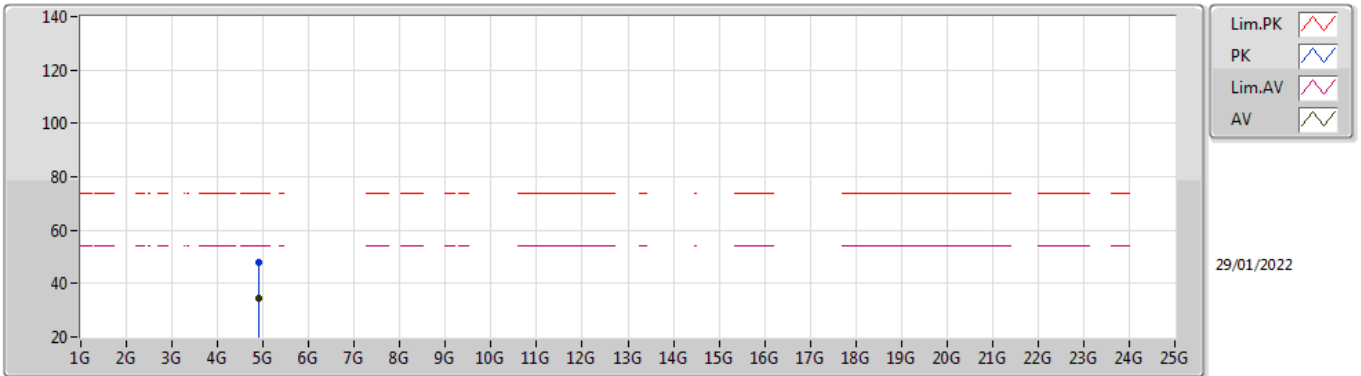


EUT Y_4TX
Setting 52
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92556G	48.70	74.00	-25.30	43.87	3	Vertical	310	1.80	-	31.20	5.60	31.97	
AV	4.92562G	35.22	54.00	-18.78	30.39	3	Vertical	310	1.80	-	31.20	5.60	31.97	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

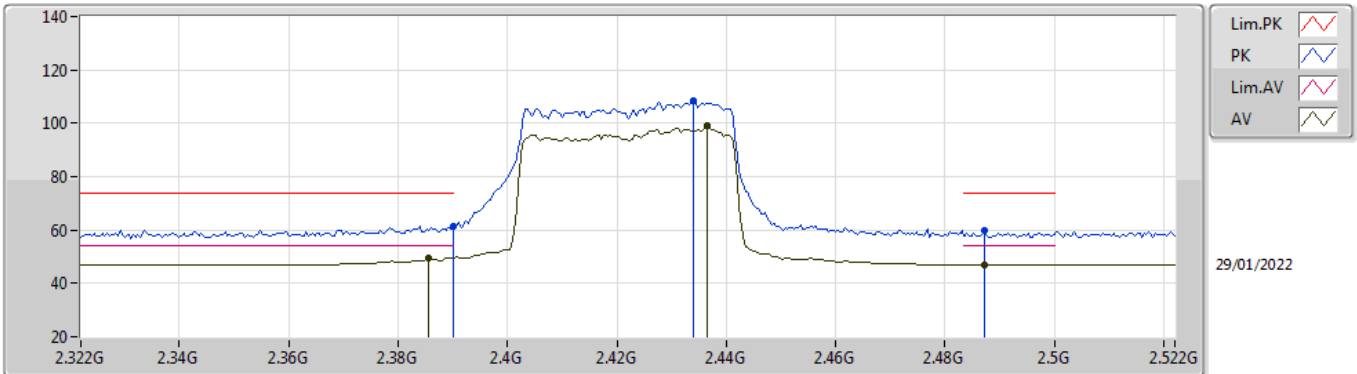


EUT Y_4TX
Setting 52
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.9135G	48.11	74.00	-25.89	43.34	3	Horizontal	260	2.18	-	31.15	5.60	31.98	
AV	4.9183G	34.70	54.00	-19.30	29.91	3	Horizontal	260	2.18	-	31.17	5.60	31.98	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

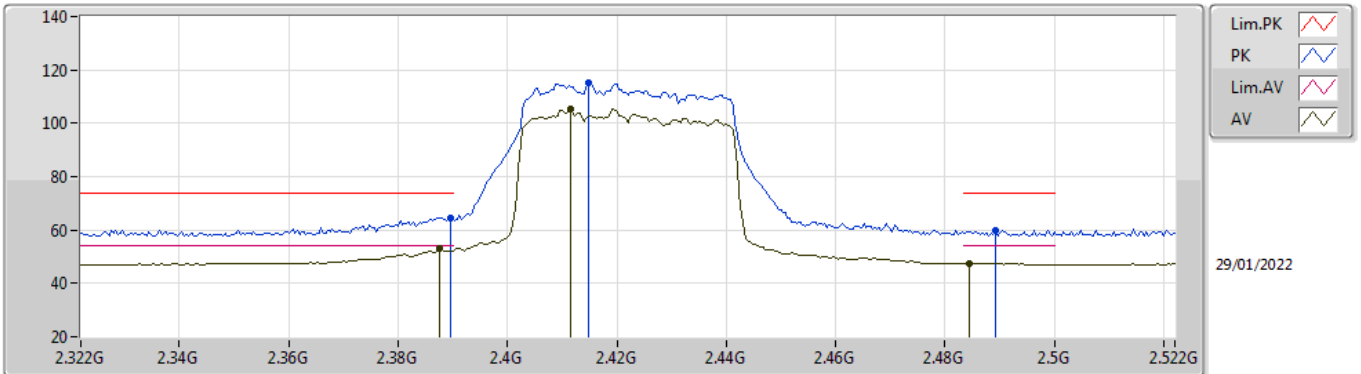


EUT X_4TX
Setting 48
03-B-E-2

Type	Freq (Hz)	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	61.53	74.00	-12.47	30.26	3	Vertical	204	2.25	-	27.48	3.79	-
AV	2.3856G	49.45	54.00	-4.55	18.14	3	Vertical	204	2.25	-	27.52	3.79	-
PK	2.434G	108.27	Inf	-Inf	77.18	3	Vertical	204	2.25	-	27.26	3.83	-
AV	2.4364G	99.31	Inf	-Inf	68.22	3	Vertical	204	2.25	-	27.25	3.84	-
PK	2.4872G	59.95	74.00	-14.05	28.79	3	Vertical	204	2.25	-	27.27	3.89	-
AV	2.4872G	46.87	54.00	-7.13	15.71	3	Vertical	204	2.25	-	27.27	3.89	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

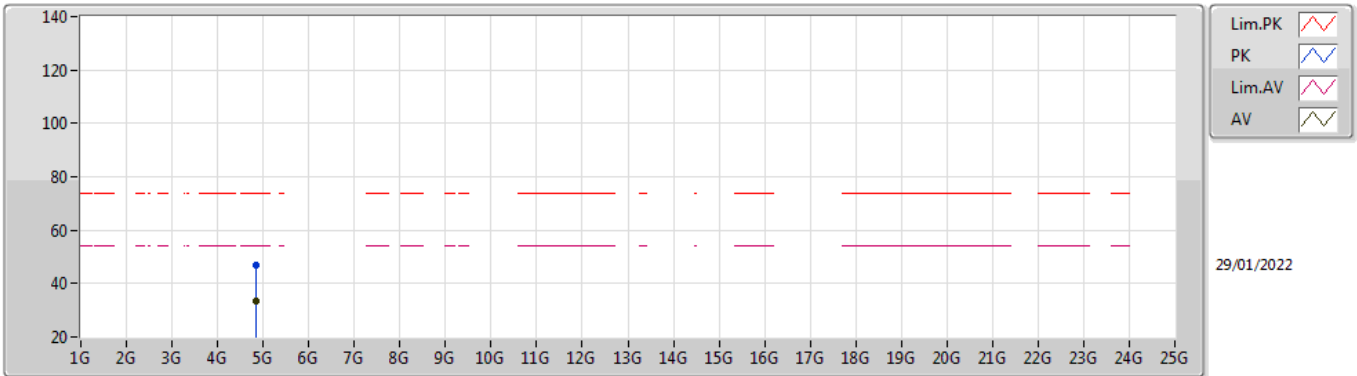


EUT X_4TX
Setting 48
03-B-E-2

Type	Freq (Hz)	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	64.70	74.00	-9.30	33.43	3	Horizontal	247	1.13	-	27.48	3.79	-
AV	2.3876G	52.96	54.00	-1.04	21.67	3	Horizontal	247	1.13	-	27.50	3.79	-
PK	2.4148G	115.39	Inf	-Inf	84.24	3	Horizontal	247	1.13	-	27.34	3.81	-
AV	2.4116G	105.24	Inf	-Inf	74.08	3	Horizontal	247	1.13	-	27.35	3.81	-
PK	2.4892G	59.91	74.00	-14.09	28.74	3	Horizontal	247	1.13	-	27.28	3.89	-
AV	2.4844G	47.46	54.00	-6.54	16.31	3	Horizontal	247	1.13	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

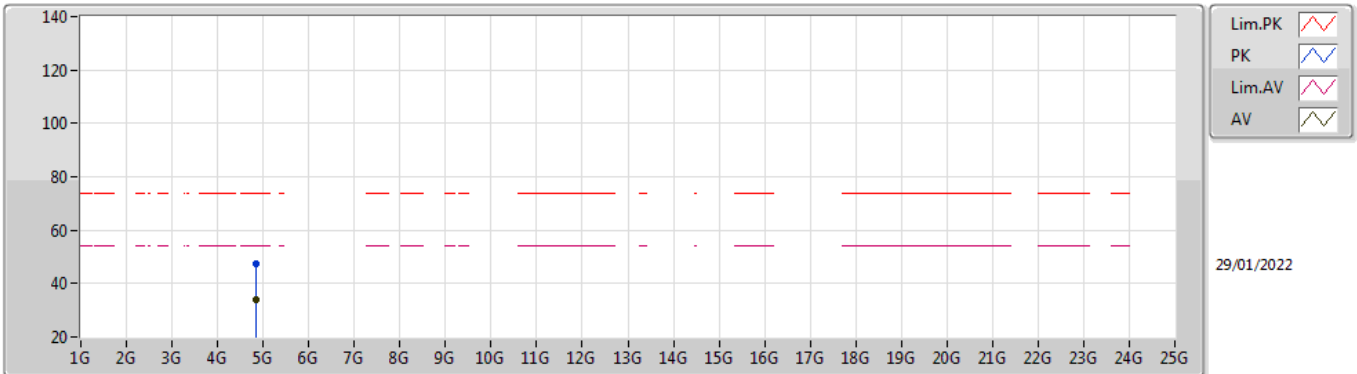


EUT Y_4TX
Setting 48
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83878G	46.91	74.00	-27.09	42.34	3	Vertical	262	1.87	-	31.02	5.60	32.05
AV	4.84136G	33.44	54.00	-20.56	28.86	3	Vertical	262	1.87	-	31.02	5.60	32.04

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

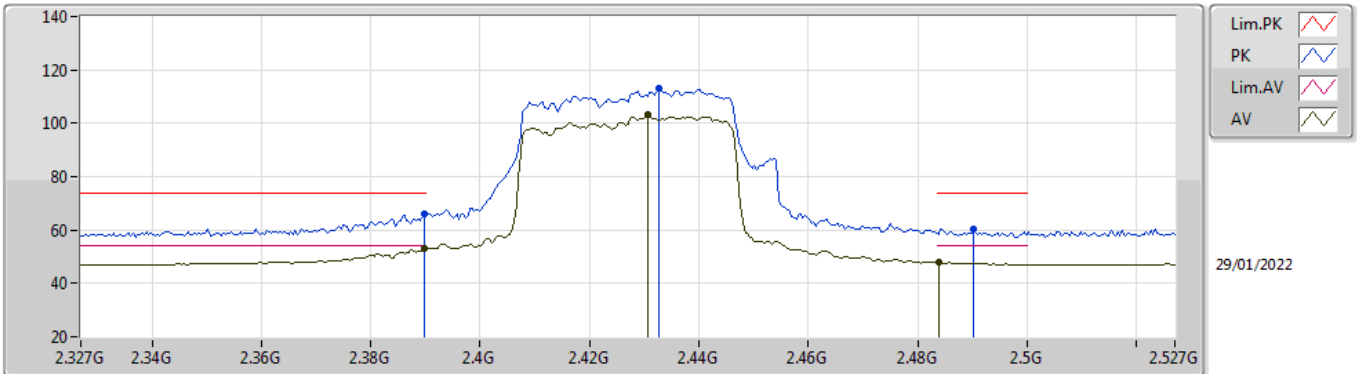


EUT Y_4TX
Setting 48
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83632G	47.35	74.00	-26.65	42.77	3	Horizontal	269	1.97	-	31.03	5.60	32.05
AV	4.84382G	33.84	54.00	-20.16	29.27	3	Horizontal	269	1.97	-	31.01	5.60	32.04

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2427MHz_TX

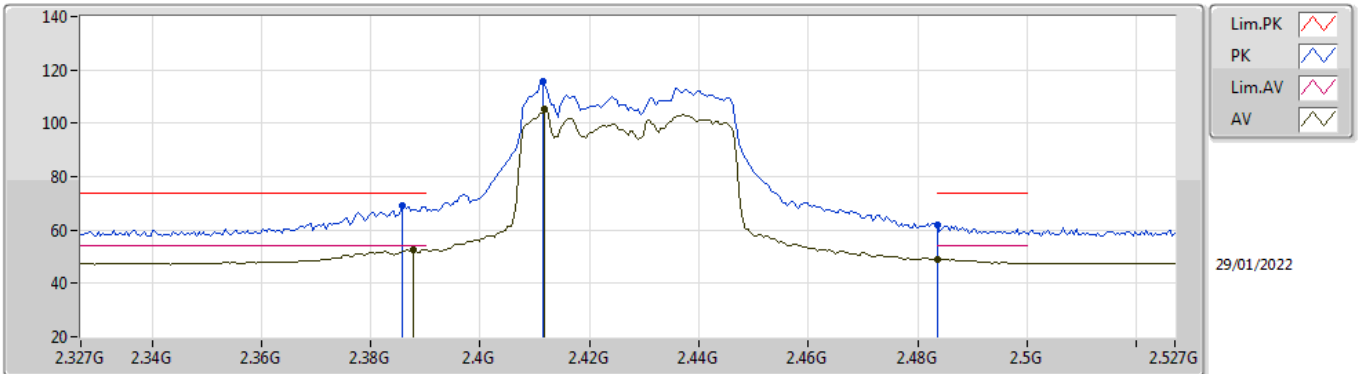


EUT X_4TX
Setting 51
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	65.94	74.00	-8.06	34.67	3	Vertical	348	3.00	-	27.48	3.79	-
AV	2.3898G	52.99	54.00	-1.01	21.72	3	Vertical	348	3.00	-	27.48	3.79	-
PK	2.4326G	112.93	Inf	-Inf	81.83	3	Vertical	348	3.00	-	27.27	3.83	-
AV	2.4306G	103.43	Inf	-Inf	72.32	3	Vertical	348	3.00	-	27.28	3.83	-
PK	2.4902G	60.42	74.00	-13.58	29.25	3	Vertical	348	3.00	-	27.28	3.89	-
AV	2.4838G	47.87	54.00	-6.13	16.72	3	Vertical	348	3.00	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2427MHz_TX

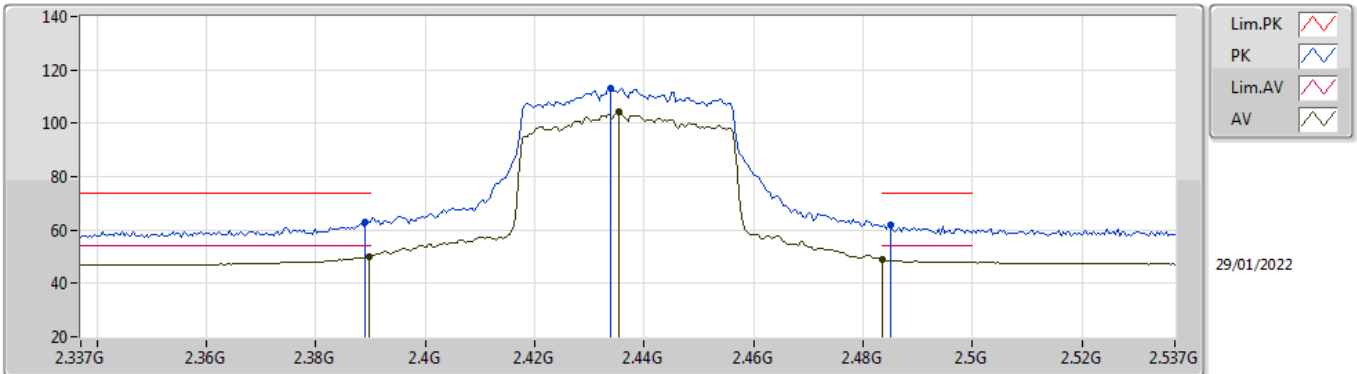


EUT X_4TX
Setting 51
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	69.31	74.00	-4.69	38.01	3	Horizontal	263	1.80	-	27.51	3.79	-
AV	2.3878G	52.70	54.00	-1.30	21.41	3	Horizontal	263	1.80	-	27.50	3.79	-
PK	2.4114G	115.60	Inf	-Inf	84.44	3	Horizontal	263	1.80	-	27.35	3.81	-
AV	2.4118G	105.60	Inf	-Inf	74.44	3	Horizontal	263	1.80	-	27.35	3.81	-
PK	2.4835G	61.75	74.00	-12.25	30.60	3	Horizontal	263	1.80	-	27.27	3.88	-
AV	2.4835G	49.17	54.00	-4.83	18.02	3	Horizontal	263	1.80	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

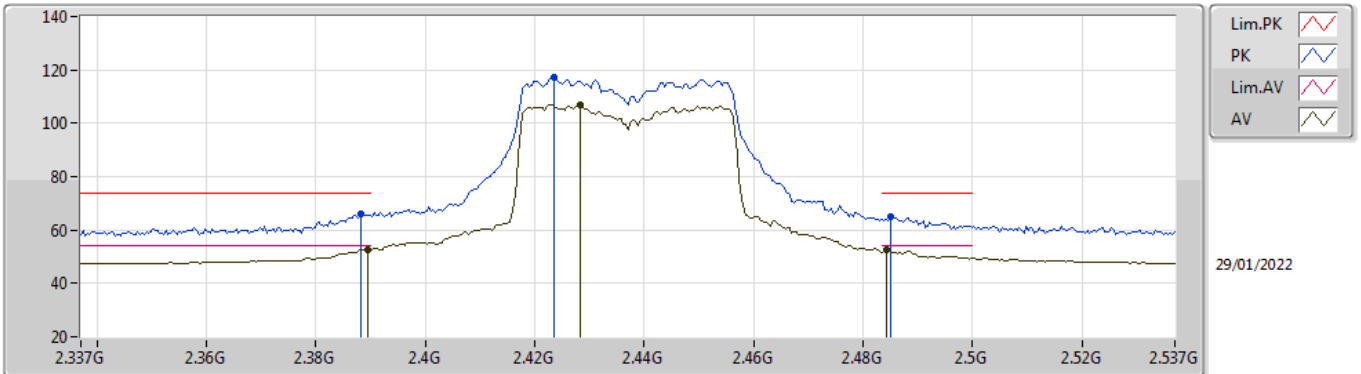


EUT X_4TX
Setting 57
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	63.05	74.00	-10.95	31.77	3	Vertical	2	1.32	-	27.49	3.79	-
AV	2.3898G	50.16	54.00	-3.84	18.89	3	Vertical	2	1.32	-	27.48	3.79	-
PK	2.4338G	113.22	Inf	-Inf	82.13	3	Vertical	2	1.32	-	27.26	3.83	-
AV	2.4354G	104.28	Inf	-Inf	73.18	3	Vertical	2	1.32	-	27.26	3.84	-
PK	2.485G	62.06	74.00	-11.94	30.90	3	Vertical	2	1.32	-	27.27	3.89	-
AV	2.4835G	48.99	54.00	-5.01	17.84	3	Vertical	2	1.32	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

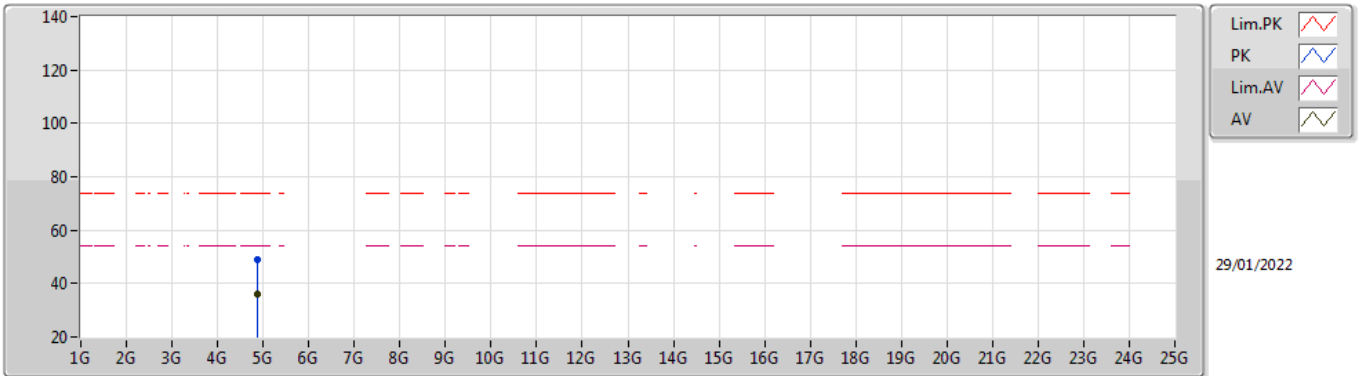


EUT_X_4TX
Setting 57
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3882G	65.84	74.00	-8.16	34.56	3	Horizontal	283	1.55	-	27.49	3.79	-	
AV	2.3894G	52.80	54.00	-1.20	21.53	3	Horizontal	283	1.55	-	27.48	3.79	-	
PK	2.4234G	117.29	Inf	-Inf	86.16	3	Horizontal	283	1.55	-	27.31	3.82	-	
AV	2.4282G	107.15	Inf	-Inf	76.03	3	Horizontal	283	1.55	-	27.29	3.83	-	
PK	2.485G	65.09	74.00	-8.91	33.93	3	Horizontal	283	1.55	-	27.27	3.89	-	
AV	2.4842G	52.53	54.00	-1.47	21.38	3	Horizontal	283	1.55	-	27.27	3.88	-	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

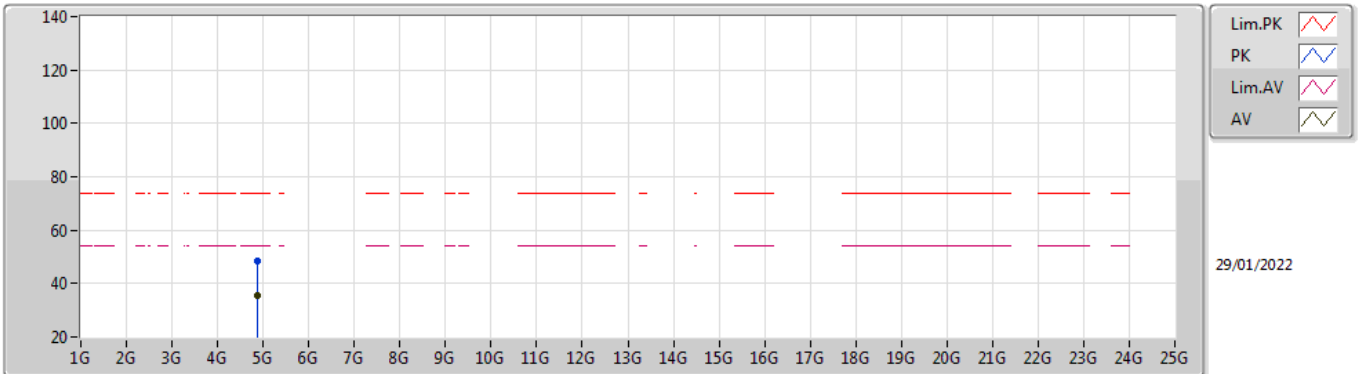


EUT Y_4TX
Setting 57
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87784G	48.88	74.00	-25.12	44.23	3	Vertical	305	1.77	-	31.06	5.60	32.01
AV	4.87796G	35.85	54.00	-18.15	31.20	3	Vertical	305	1.77	-	31.06	5.60	32.01

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

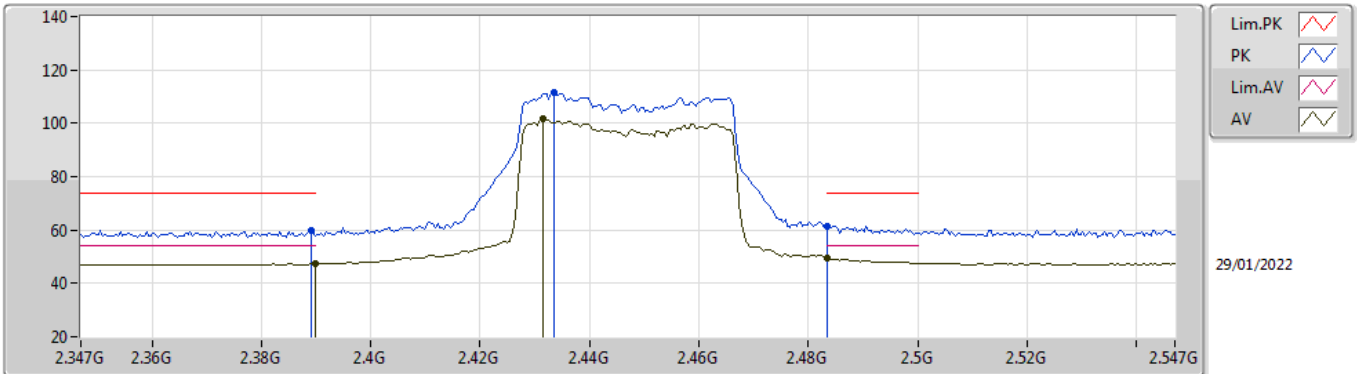


EUT Y_4TX
Setting 57
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87532G	48.43	74.00	-25.57	43.79	3	Horizontal	262	2.07	-	31.05	5.60	32.01
AV	4.87784G	35.72	54.00	-18.28	31.07	3	Horizontal	262	2.07	-	31.06	5.60	32.01

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2447MHz_TX

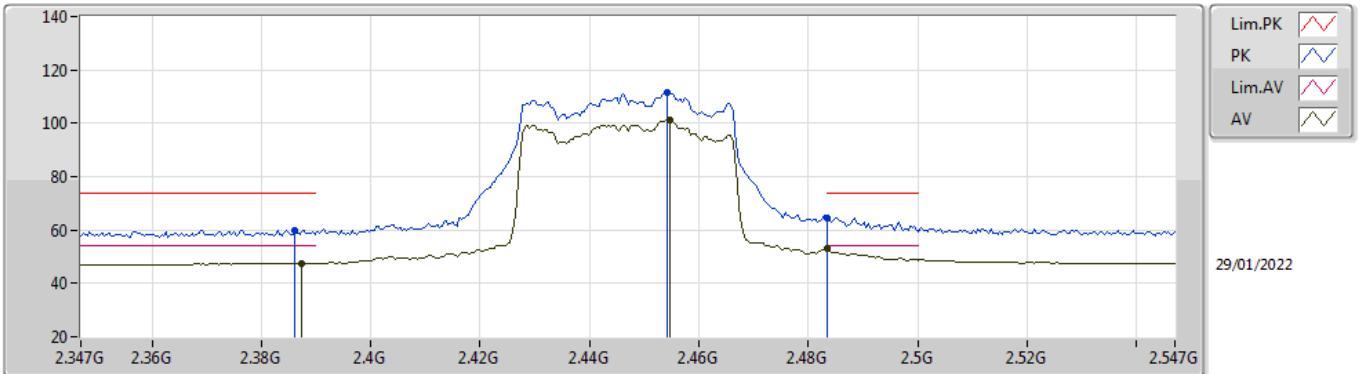


EUT X_4TX
Setting 51
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	59.99	74.00	-14.01	28.71	3	Vertical	357	1.51	-	27.49	3.79	-
AV	2.3898G	47.23	54.00	-6.77	15.96	3	Vertical	357	1.51	-	27.48	3.79	-
PK	2.4334G	111.74	Inf	-Inf	80.64	3	Vertical	357	1.51	-	27.27	3.83	-
AV	2.4314G	101.76	Inf	-Inf	70.66	3	Vertical	357	1.51	-	27.27	3.83	-
PK	2.4835G	61.56	74.00	-12.44	30.41	3	Vertical	357	1.51	-	27.27	3.88	-
AV	2.4835G	49.58	54.00	-4.42	18.43	3	Vertical	357	1.51	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2447MHz_TX

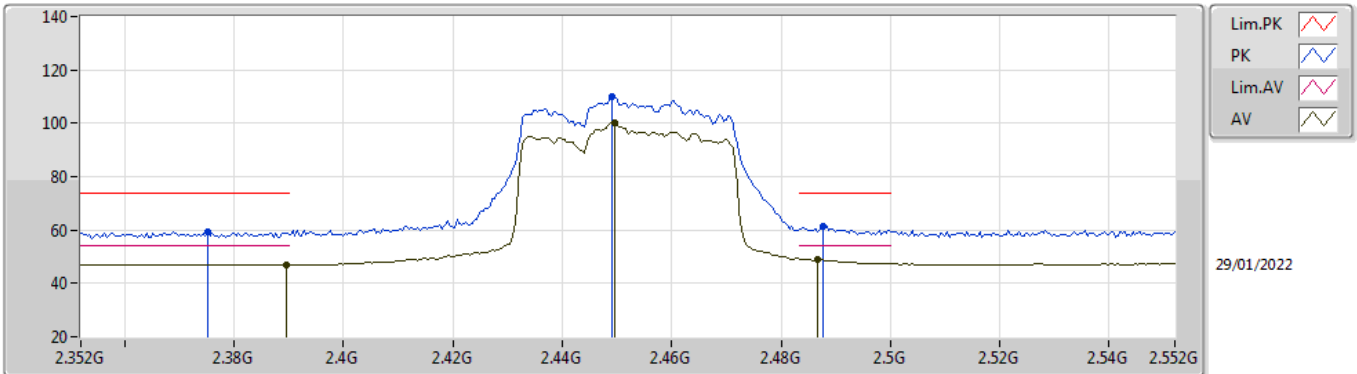


EUT X_4TX
Setting 51
03-B-E-2

Type	Freq (Hz)	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	60.08	74.00	-13.92	28.78	3	Horizontal	291	1.77	-	27.51	3.79	-
AV	2.3874G	47.64	54.00	-6.36	16.35	3	Horizontal	291	1.77	-	27.50	3.79	-
PK	2.4542G	111.34	Inf	-Inf	80.28	3	Horizontal	291	1.77	-	27.21	3.85	-
AV	2.4546G	101.46	Inf	-Inf	70.40	3	Horizontal	291	1.77	-	27.21	3.85	-
PK	2.4835G	64.69	74.00	-9.31	33.54	3	Horizontal	291	1.77	-	27.27	3.88	-
AV	2.4835G	52.92	54.00	-1.08	21.77	3	Horizontal	291	1.77	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

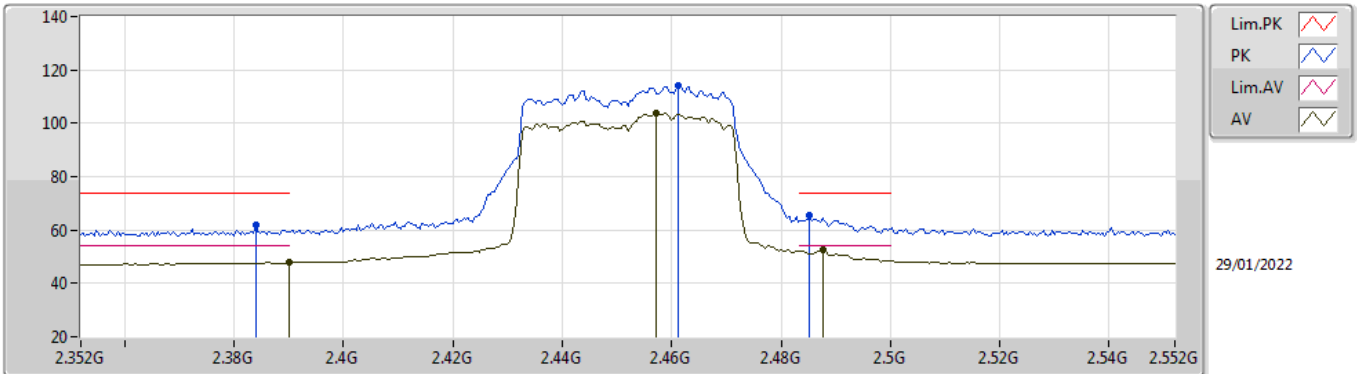


EUT X_4TX
Setting 50
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3752G	59.19	74.00	-14.81	27.80	3	Vertical	197	2.90	-	27.60	3.79	-
AV	2.3896G	47.01	54.00	-6.99	15.74	3	Vertical	197	2.90	-	27.48	3.79	-
PK	2.4492G	110.18	Inf	-Inf	79.13	3	Vertical	197	2.90	-	27.20	3.85	-
AV	2.4496G	100.23	Inf	-Inf	69.18	3	Vertical	197	2.90	-	27.20	3.85	-
PK	2.4876G	61.26	74.00	-12.74	30.09	3	Vertical	197	2.90	-	27.28	3.89	-
AV	2.4868G	49.22	54.00	-4.78	18.06	3	Vertical	197	2.90	-	27.27	3.89	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

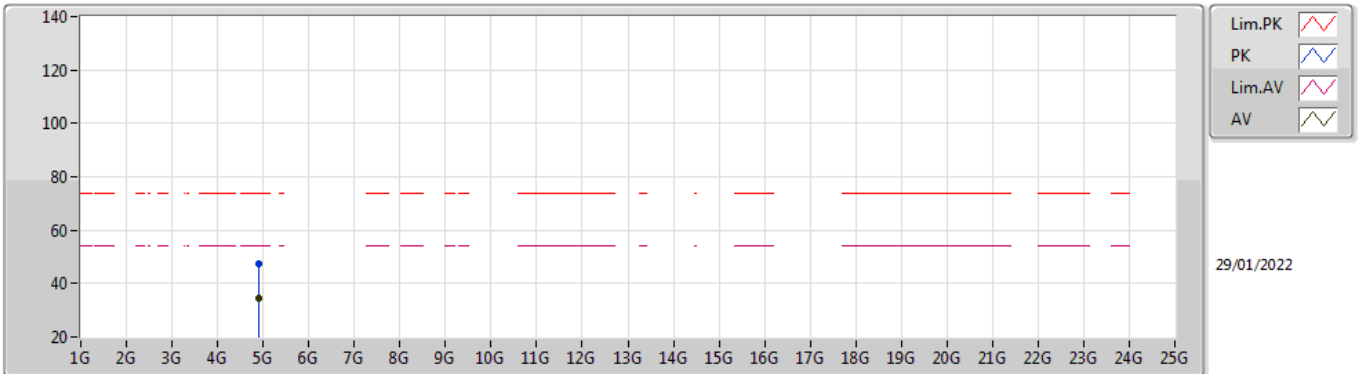


EUT X_4TX
Setting 50
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.384G	61.67	74.00	-12.33	30.35	3	Horizontal	245	1.17	-	27.53	3.79	-
AV	2.39G	47.79	54.00	-6.21	16.52	3	Horizontal	245	1.17	-	27.48	3.79	-
PK	2.4612G	114.34	Inf	-Inf	83.26	3	Horizontal	245	1.17	-	27.22	3.86	-
AV	2.4572G	103.60	Inf	-Inf	72.53	3	Horizontal	245	1.17	-	27.21	3.86	-
PK	2.4852G	65.57	74.00	-8.43	34.41	3	Horizontal	245	1.17	-	27.27	3.89	-
AV	2.4876G	52.38	54.00	-1.62	21.21	3	Horizontal	245	1.17	-	27.28	3.89	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

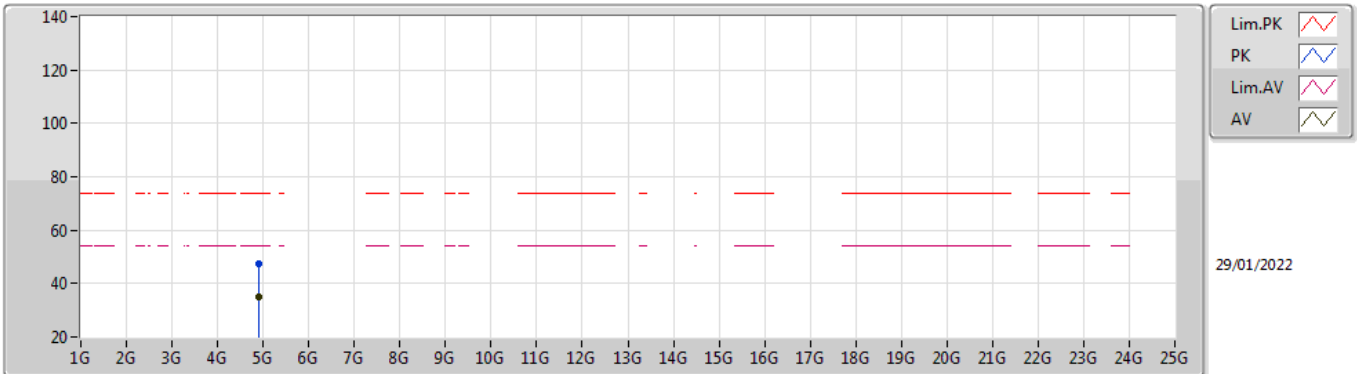


EUT Y_4TX
Setting 50
03-B-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.91666G	47.33	74.00	-26.67	42.54	3	Vertical	304	1.80	-	31.17	5.60	31.98
AV	4.91354G	34.42	54.00	-19.58	29.65	3	Vertical	304	1.80	-	31.15	5.60	31.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 50
03-B-E-2

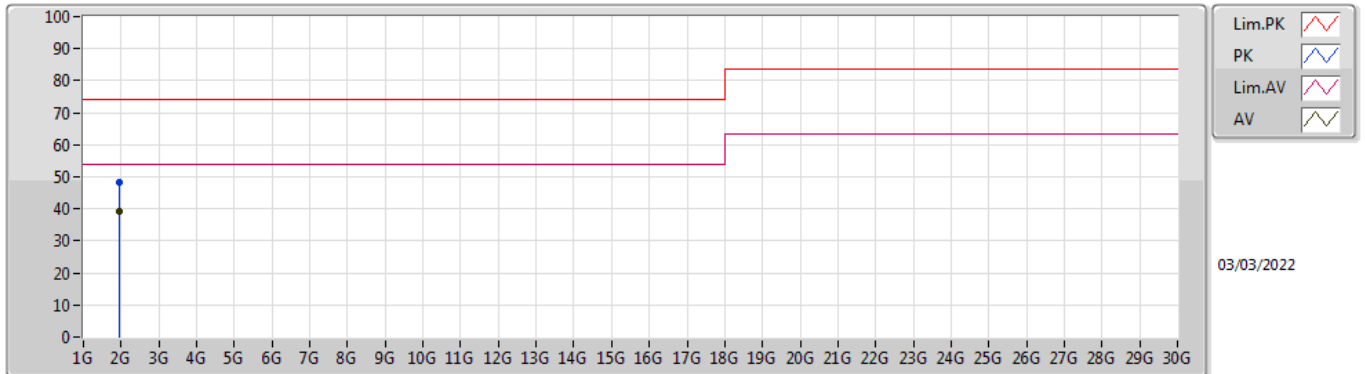
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.91324G	47.52	74.00	-26.48	42.75	3	Horizontal	267	1.92	-	31.15	5.60	31.98	
AV	4.91348G	34.91	54.00	-19.09	30.14	3	Horizontal	267	1.92	-	31.15	5.60	31.98	



Summary

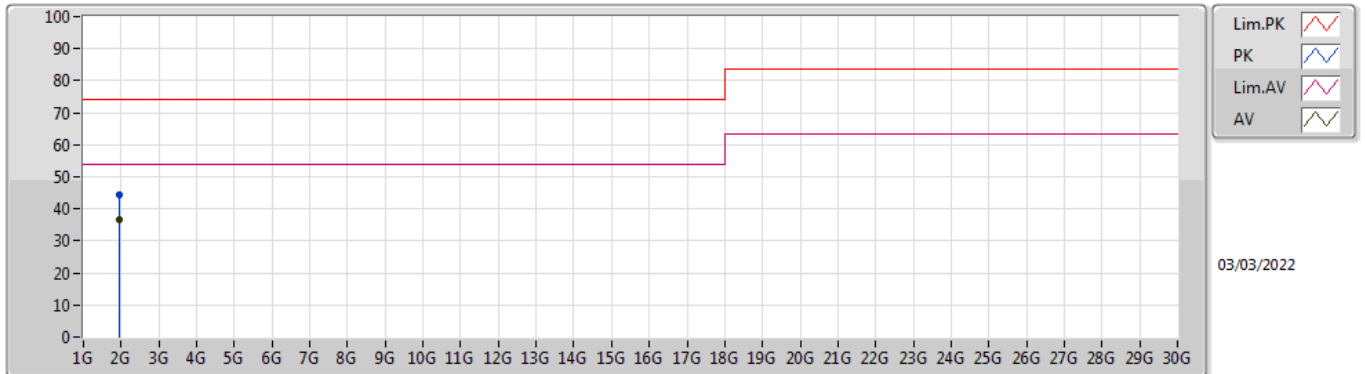
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.954G	39.43	54.00	-14.57	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.9416G	48.25	74.00	-25.75	-1.57	3	Vertical	0	0.00	-	49.82	27.67	4.17	33.41
AV	1.954G	39.43	54.00	-14.57	-1.36	3	Vertical	0	0.00	"Worst"	40.79	27.86	4.18	33.40

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.9538G	44.43	74.00	-29.57	-1.36	3	Horizontal	0	0.00	-	45.79	27.86	4.18	33.40
AV	1.9486G	36.69	54.00	-17.31	-1.45	3	Horizontal	0	0.00	"Worst"	38.14	27.78	4.17	33.40