Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	2AU6R03993
Equipment	:	Security Router
Brand Name	:	ZYXEL
Model Name	:	SCR 60AX
Applicant	:	Zyxel Networks Corporation No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C
Manufacturer	:	Zyxel Networks Corporation No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C
Standard	:	47 CFR FCC Part 15.247

The product was received on Jul. 12, 2023, and testing was started from Aug. 24, 2023 and completed on Oct. 27, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
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History of this test report

Report No.	Version	Description	Issued Date
FR352214AB	01	Initial issue of report	Dec. 12, 2023

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	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen
Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	Bluetooth					
1	1	-	-	PSA	WA-P-LA-06-008	PCB	I-PEX	Note1
2	2	-	-	PSA	WA-P-LA-05-015	PCB	I-PEX	
3	-	1	-	PSA	WA-P-LC-02-086	PCB	I-PEX	
4	-	2	-	PSA	WA-P-LC-03-025	PCB	I-PEX	
5	3	3	-	PSA	WA-P-LB-11-003	PCB	I-PEX	
6	4	4	-	PSA	WA-P-LB-01-323	PCB	I-PEX	
7	-	-	1	PSA	BT	Printed	N/A	

Note1:

Ant.	Gain (dBi)							
	WLAN 2.4GHz 2400~2500 MHz	WLAN 5GHz 5150~5250 MHz	WLAN 5GHz 5251~5300 MHz	WLAN 5GHz 5301~5490 MHz	WLAN 5GHz 5491~5725 MHz	WLAN 5GHz 5726~5835 MHz	WLAN 5GHz 5836~5930 MHz	Bluetooth
1	2.74	-	-	-		-		-
2	3.65	-	-	-		-		-
3	-	4.46	4.54	4.26	4.07	4.07	4.01	-
4	-	4.44	4.33	4.26	4.63	4.58	4.61	-
5	3.44	4.51	4.60	4.60	4.15	4.61	4.57	-
6	3.61	4.36	3.83	3.88	4.01	4.38	4.22	-
7	-	-	-	-	-	-	-	1.93

Note2: The above information was declared by manufacturer.

For 2.4GHz function:

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

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

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

For 5GHz function:

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

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

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

For Bluetooth function(1TX/1RX):

Port 1 can be used as transmitting/receiving antenna.

Port 1 could transmit/receive simultaneously.

Note 3: Directional gain information

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	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$
BF	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

Ex.

Directional Gain (NSS1) formula : $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

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

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

Where ;

2.4G G1= 2.74 dBi ;G2= 3.65 dBi ;G3= 3.44 dBi ;G4= 3.61 dBi

5G UNII-1 G1 = 4.46 dBi; G2 = 4.44 dBi;G3 = 4.51 dBi; G4 = 4.36 dBi

5G UNII-2A G1 = 4.54 dBi; G2 = 4.33 dBi;G3 = 4.60 dBi; G4 = 3.83 dBi

5G UNII-2C G1 = 4.07 dBi; G2 = 4.63 dBi;G3 = 4.15 dBi; G4 = 4.01 dBi

5G UNII-3 G1 = 4.07 dBi; G2 = 4.58 dBi;G3 = 4.61 dBi; G4 = 4.38 dBi

5G UNII-4 G1 = 4.01 dBi; G2 = 4.61 dBi;G3 = 4.57 dBi; G4 = 4.22 dBi

2.4G DG = 9.39 dBi

5G UNII-1 DG = 10.46 dBi

5G UNII-2A DG = 10.35 dBi

5G UNII-2C DG = 10.24 dB

5G UNII-3 DG = 10.43 dBi

5G UNII-4 DG = 10.38 dBi

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.995	0.02	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.964	0.16	1.402m	1k
802.11ax HEW20	0.868	0.61	352.5u	3k
802.11ax HEW20-BF	0.847	0.72	312.813u	10k
802.11ax HEW40	0.867	0.62	352.5u	3k
802.11ax HEW40-BF	0.699	1.56	116.875u	10k

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 11n/VHT/11ax in 2.4GHz, 11n/11ac/11ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	Qatool 0.0.2.97			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Eason Chen	24.2-25.1 / 61-68	Aug. 28, 2023~ Oct. 17, 2023
Radiated below 1GHz	03CH05-CB	Mark Hsu	22.2-23.3 / 56-59	Sep. 09, 2023~ Oct. 25, 2023
Radiated above1GHz	03CH01-CB	Mark Hsu	21.2-22.3 / 56-59	Aug. 24, 2023~ Oct. 16, 2023
	03CH02-CB		23-24 / 55-58	
AC Conduction	CO01-CB	Elvin Yeh	21~23 / 51~53	Aug. 28, 2023~ Oct. 17, 2023

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	20.5
2437MHz	20.5
2457MHz	20.5
2462MHz	18.5
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	17
2417MHz	18.5
2437MHz	21
2457MHz	18.5
2462MHz	16
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	16
2417MHz	18.5
2437MHz	21.5
2457MHz	17.5
2462MHz	14
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	13.5
2427MHz	14.5
2437MHz	17
2447MHz	13.5
2452MHz	12.5
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	16
2417MHz	18.5
2437MHz	18.5
2457MHz	17.5
2462MHz	14
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	13.5
2427MHz	14.5
2437MHz	17
2447MHz	13.5
2452MHz	12.5

Note:
- Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40 /VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been selected to execute all tests. The beamforming mode evaluates the output power only.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT + WLAN 2.4GHz + Adapter
2	EUT + WLAN 5GHz + Adapter
3	EUT + Bluetooth + Adapter
For operating mode 3 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
After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT in Y axis + WLAN 2.4GHz + Adapter
2	EUT in Y axis + WLAN 5GHz + Adapter
3	EUT in Y axis + Bluetooth + Adapter
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT in Y axis WLAN 2.4GHz + WALN 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 + WALN 5GHz
Refer to Sporton Test Report No.: FA352214 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	APD	WA-36W12R	Input: 100-240V~, 50-60Hz, 0.9A Max Output: 12.0V, 3.0A, 36.0W
Other			
Plug*1			

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) and Radiated (above 1GHz):

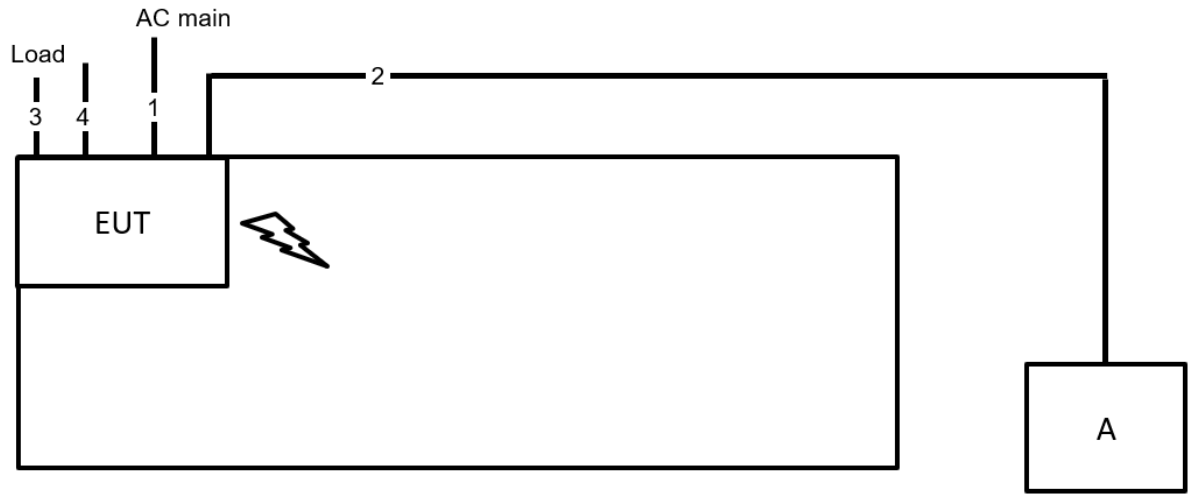
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

For RF Conducted:

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

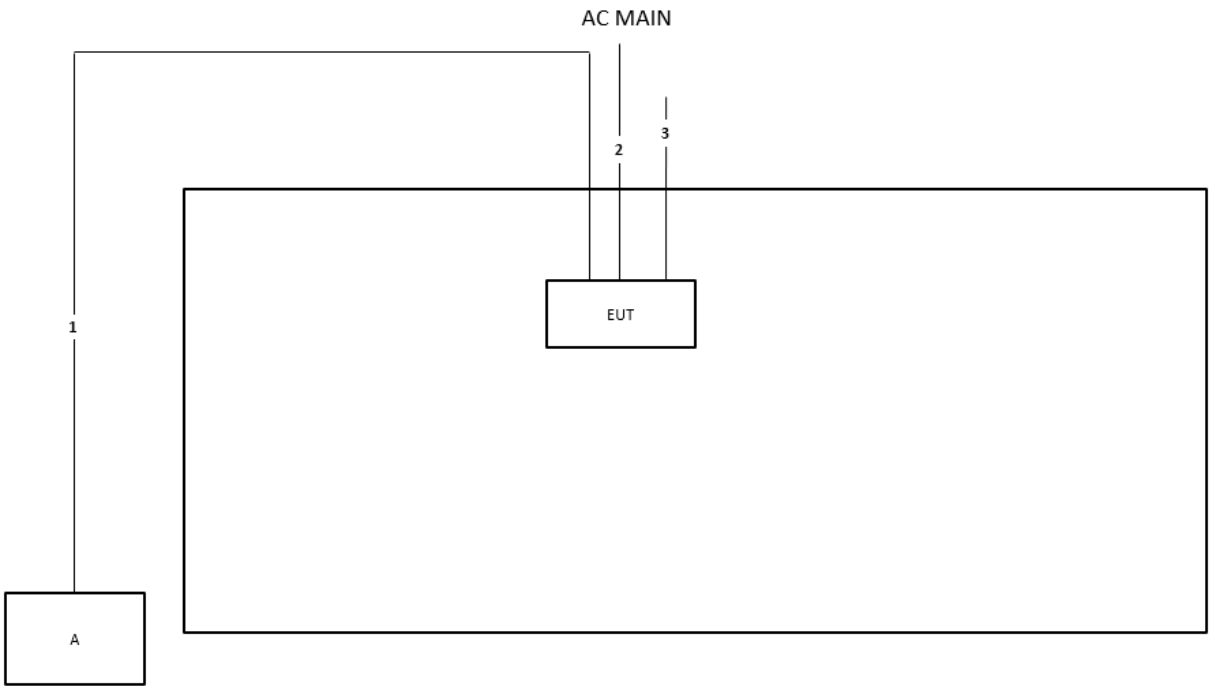
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



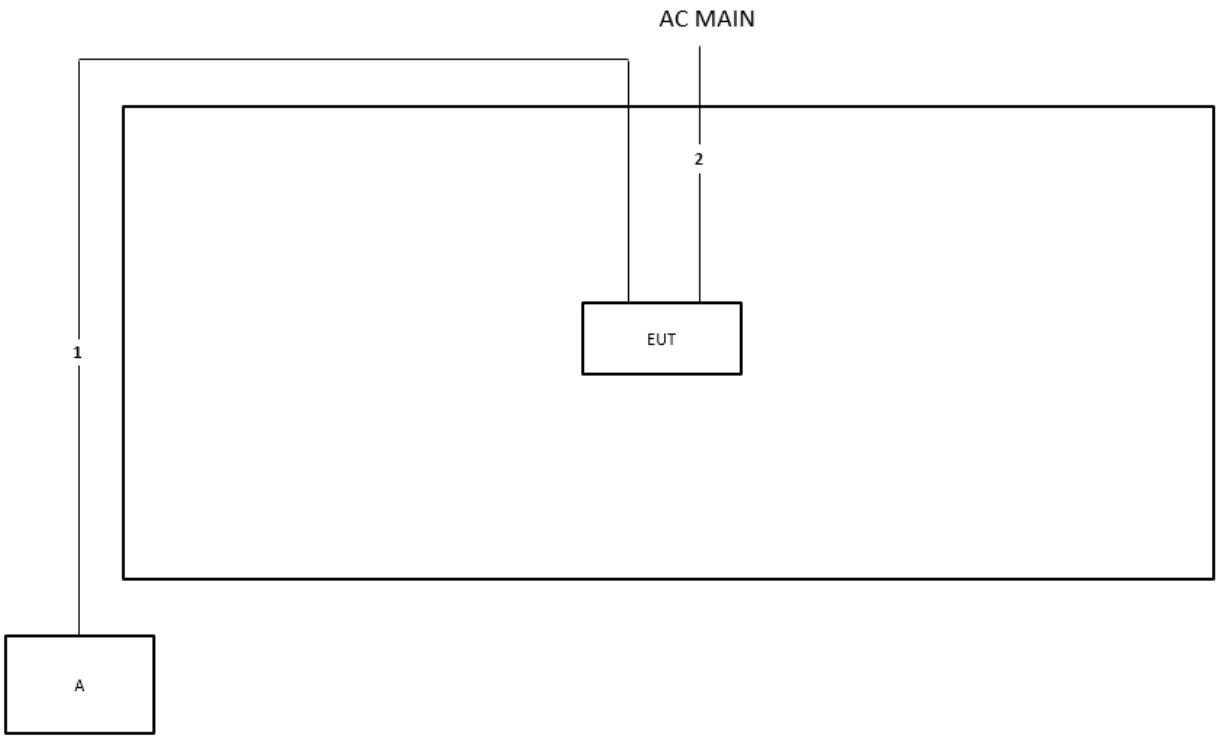
Item	Connection	Shielded	Length
1	Power cable	No	1.6m
2	RJ-45 cable	No	10m
3	RJ-45 cable*5	No	1.5m
4	Console cable	No	0.9m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.6m
3	Console cable	No	0.9m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.6m

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

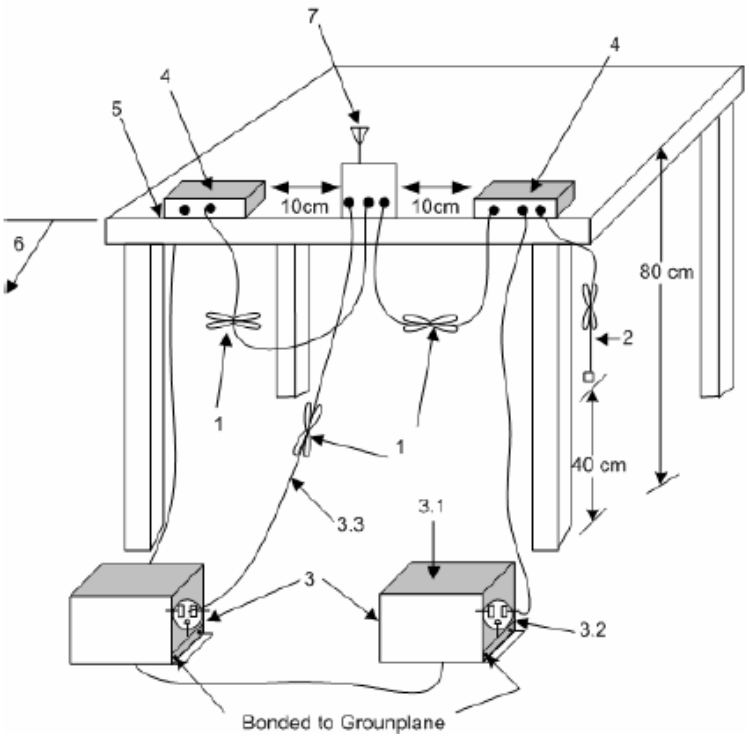
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

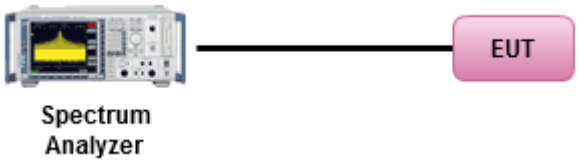
3.2.2 Measuring Instruments

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

Emission Bandwidth


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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

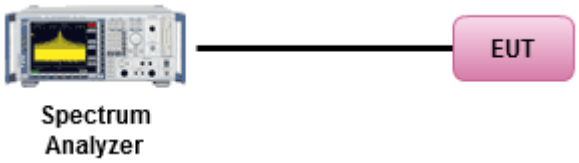
3.4.2 Measuring Instruments

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

Power Spectral Density


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.	

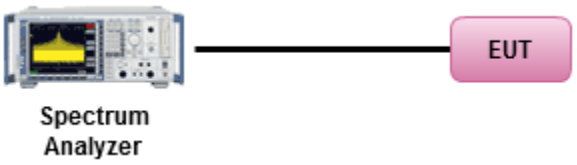
3.5.2 Measuring Instruments

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

Emissions in Non-restricted Frequency Bands


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.

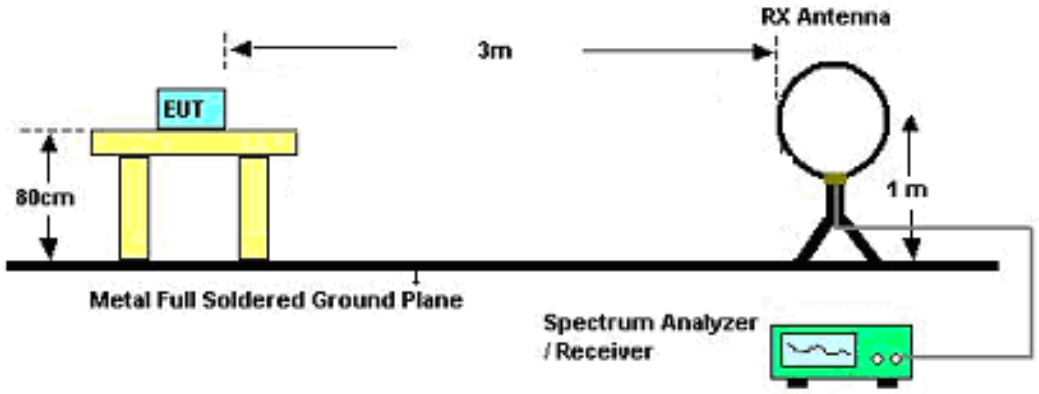
3.6.3 Test Procedures

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 ≥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≥1/T).
☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 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.

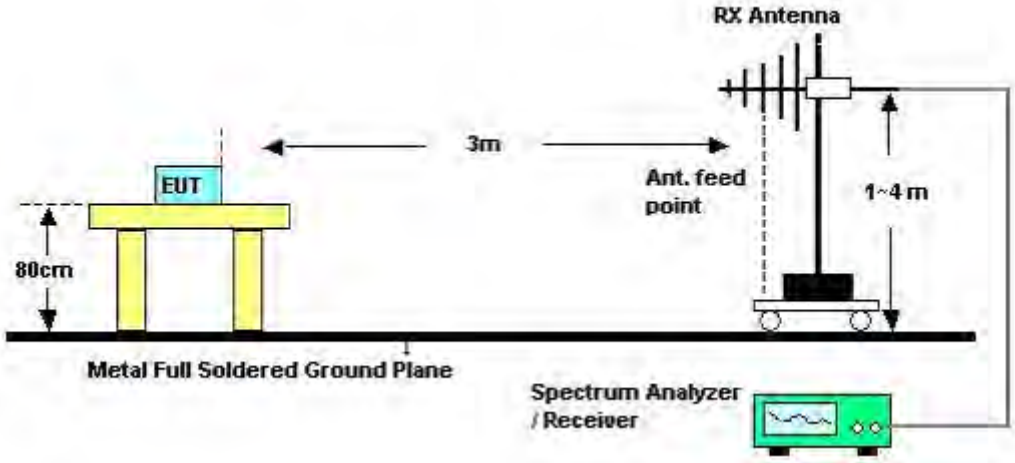
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

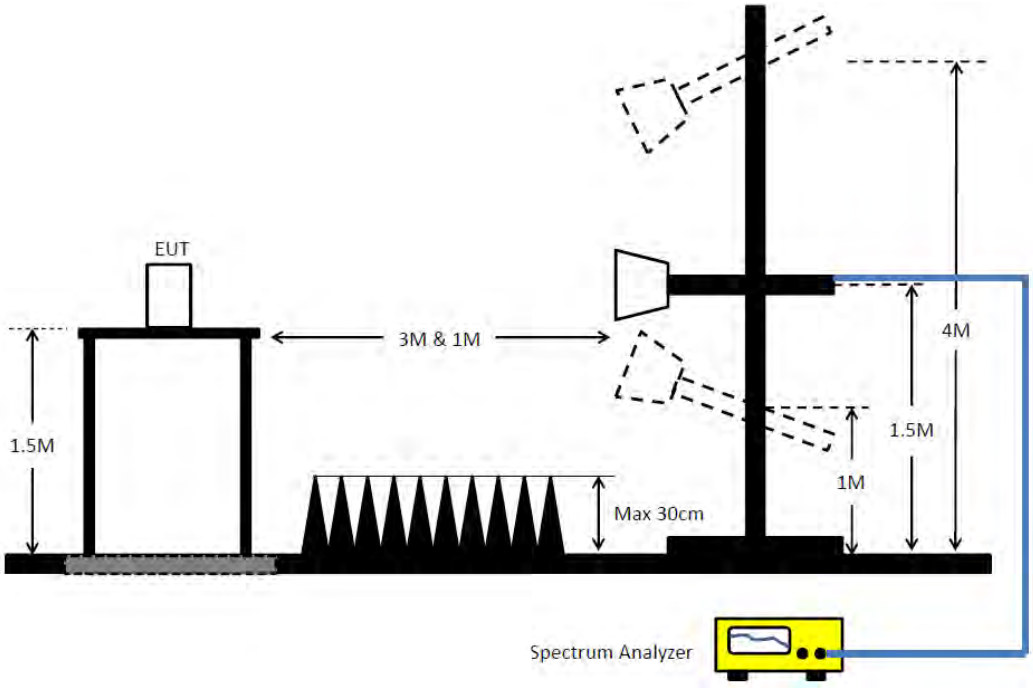
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Aug. 16, 2023	Aug. 15, 2024	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

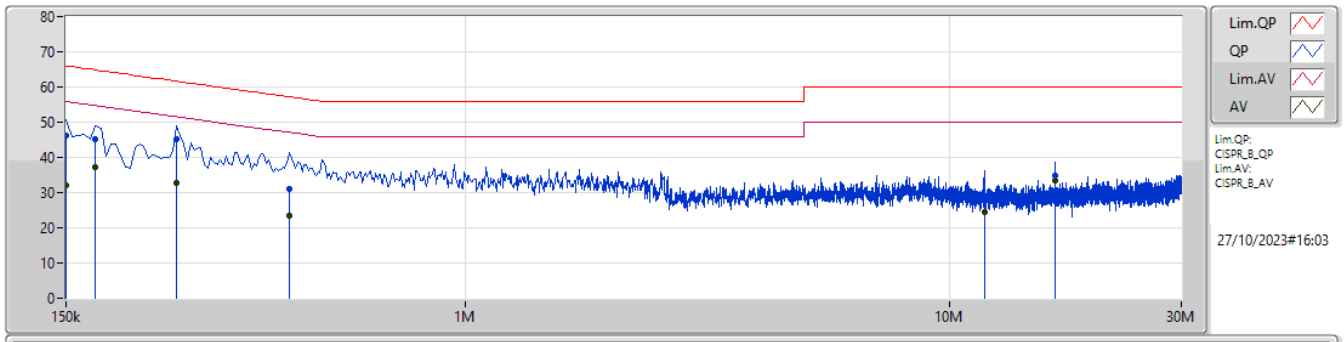
Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

Summary

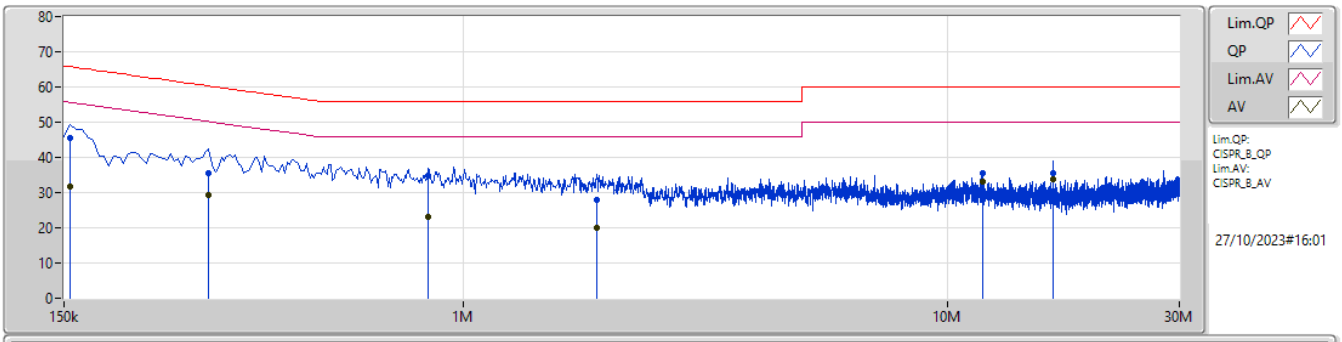
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	AV	16.467M	33.91	50.00	-16.09	Neutral

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	46.27	66.00	-19.73	9.98	Line	-	36.29	0.09	0.02	9.87
AV	150k	32.21	56.00	-23.79	9.98	Line	-	22.23	0.09	0.02	9.87
QP	172.5k	45.09	64.83	-19.74	9.98	Line	-	35.11	0.09	0.02	9.87
AV	172.5k	37.31	54.83	-17.52	9.98	Line	-	27.33	0.09	0.02	9.87
QP	253.5k	45.08	61.64	-16.56	9.97	Line	-	35.11	0.08	0.02	9.87
AV	253.5k	32.73	51.64	-18.91	9.97	Line	-	22.76	0.08	0.02	9.87
QP	433.5k	30.92	57.19	-26.27	10.01	Line	-	20.91	0.09	0.02	9.90
AV	433.5k	23.60	47.19	-23.59	10.01	Line	-	13.59	0.09	0.02	9.90
QP	11.765M	27.70	60.00	-32.30	10.38	Line	-	17.32	0.26	0.16	9.96
AV	11.765M	24.53	50.00	-25.47	10.38	Line	-	14.15	0.26	0.16	9.96
QP	16.467M	34.90	60.00	-25.10	10.48	Line	-	24.42	0.29	0.20	9.99
AV	16.467M	33.45	50.00	-16.55	10.48	Line	"Worst"	22.97	0.29	0.20	9.99

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	45.50	65.75	-20.25	9.96	Neutral	-	35.54	0.07	0.02	9.87
AV	154.5k	31.75	55.75	-24.00	9.96	Neutral	-	21.79	0.07	0.02	9.87
QP	298.5k	35.35	60.28	-24.93	9.97	Neutral	-	25.38	0.07	0.02	9.88
AV	298.5k	29.25	50.28	-21.03	9.97	Neutral	-	19.28	0.07	0.02	9.88
QP	847.5k	34.74	56.00	-21.26	9.99	Neutral	-	24.75	0.08	0.01	9.90
AV	847.5k	23.19	46.00	-22.81	9.99	Neutral	-	13.20	0.08	0.01	9.90
QP	1.887M	27.79	56.00	-28.21	10.07	Neutral	-	17.72	0.10	0.07	9.90
AV	1.887M	20.12	46.00	-25.88	10.07	Neutral	-	10.05	0.10	0.07	9.90
QP	11.76M	35.38	60.00	-24.62	10.36	Neutral	-	25.02	0.24	0.16	9.96
AV	11.76M	33.27	50.00	-16.73	10.36	Neutral	-	22.91	0.24	0.16	9.96
QP	16.467M	35.36	60.00	-24.64	10.46	Neutral	-	24.90	0.27	0.20	9.99
AV	16.467M	33.91	50.00	-16.09	10.46	Neutral	"Worst"	23.45	0.27	0.20	9.99

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	8.05M	12.692M	12M7G1D	7.075M	12.244M
802.11g_Nss1,(6Mbps)_4TX	16.025M	18.058M	18M1D1D	15.025M	16.312M
802.11ax HEW20_Nss1,(MCS0)_4TX	17.125M	19.728M	19M7D1D	15.1M	18.729M
802.11ax HEW40_Nss1,(MCS0)_4TX	36.15M	37.603M	37M6D1D	35.05M	37.471M

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

Result

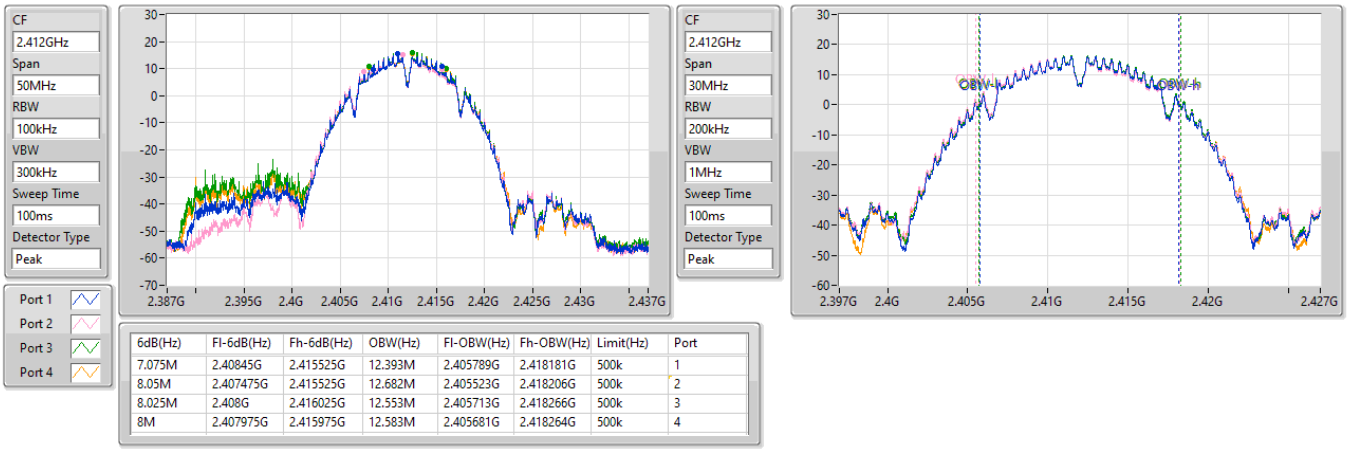
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.075M	12.393M	8.05M	12.682M	8.025M	12.553M	8M	12.583M
2437MHz	Pass	500k	8M	12.692M	7.55M	12.467M	7.55M	12.575M	7.55M	12.691M
2462MHz	Pass	500k	7.55M	12.244M	7.075M	12.514M	7.55M	12.443M	8.025M	12.47M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.125M	16.377M	15.325M	16.422M	15.1M	16.369M	16.025M	16.408M
2437MHz	Pass	500k	15.3M	16.783M	15.1M	16.741M	15.1M	17.083M	15.075M	18.058M
2462MHz	Pass	500k	15.275M	16.406M	15.025M	16.331M	15.1M	16.347M	15.075M	16.312M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.85M	18.744M	17.125M	18.73M	15.2M	18.752M	16.6M	18.729M
2437MHz	Pass	500k	15.65M	19.046M	15.1M	19.061M	15.175M	19.231M	15.125M	19.728M
2462MHz	Pass	500k	15.55M	18.815M	15.1M	18.765M	15.15M	18.795M	16M	18.792M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.1M	37.593M	35.1M	37.506M	35.1M	37.48M	35.1M	37.603M
2437MHz	Pass	500k	35.1M	37.471M	35.05M	37.539M	35.05M	37.57M	35.05M	37.535M
2452MHz	Pass	500k	36.15M	37.57M	35.1M	37.537M	35.1M	37.584M	35.1M	37.474M

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

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

2412MHz

28/08/2023

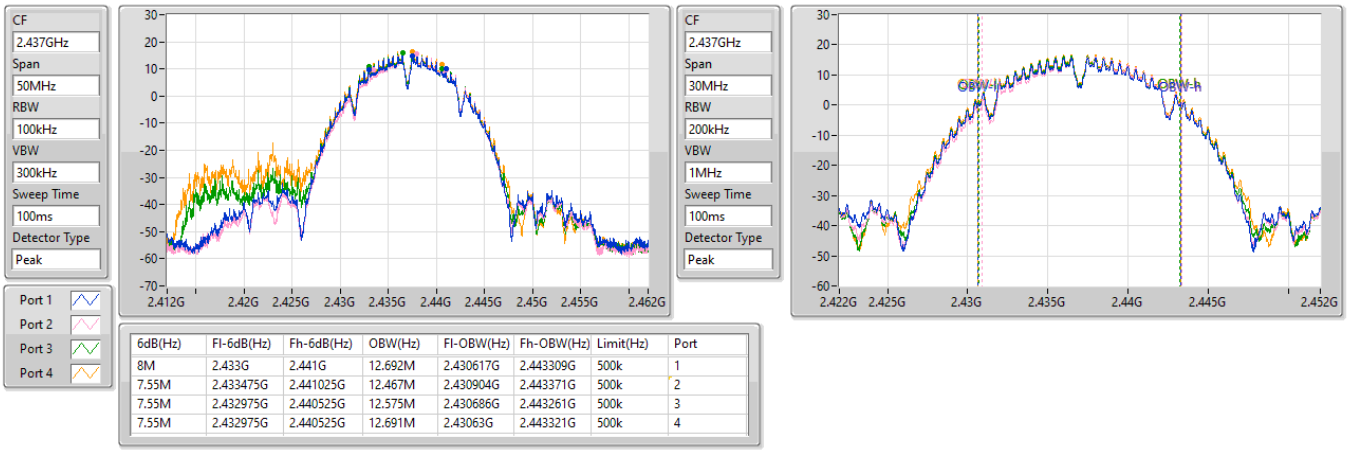


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.40845G	2.415525G	12.393M	2.405789G	2.418181G	500k	1
8.05M	2.407475G	2.415525G	12.682M	2.405523G	2.418206G	500k	2
8.025M	2.408G	2.416025G	12.553M	2.405713G	2.418266G	500k	3
8M	2.407975G	2.415975G	12.583M	2.405681G	2.418264G	500k	4

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

2437MHz

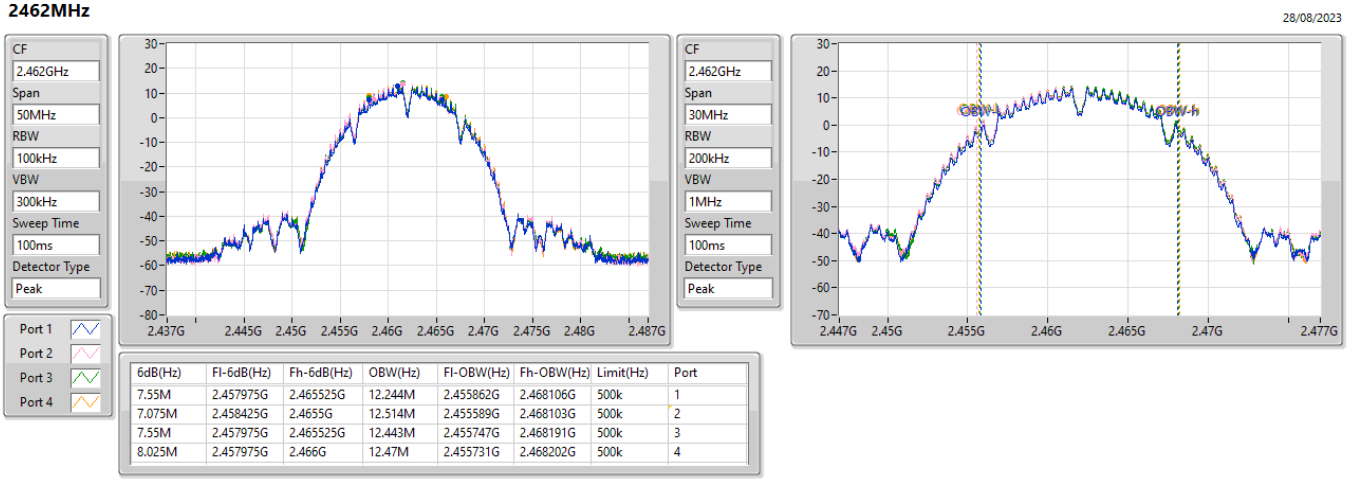
28/08/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.433G	2.441G	12.692M	2.430617G	2.443309G	500k	1
7.55M	2.433475G	2.441025G	12.467M	2.430904G	2.443371G	500k	2
7.55M	2.432975G	2.440525G	12.575M	2.430686G	2.443261G	500k	3
7.55M	2.432975G	2.440525G	12.691M	2.43063G	2.443321G	500k	4

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

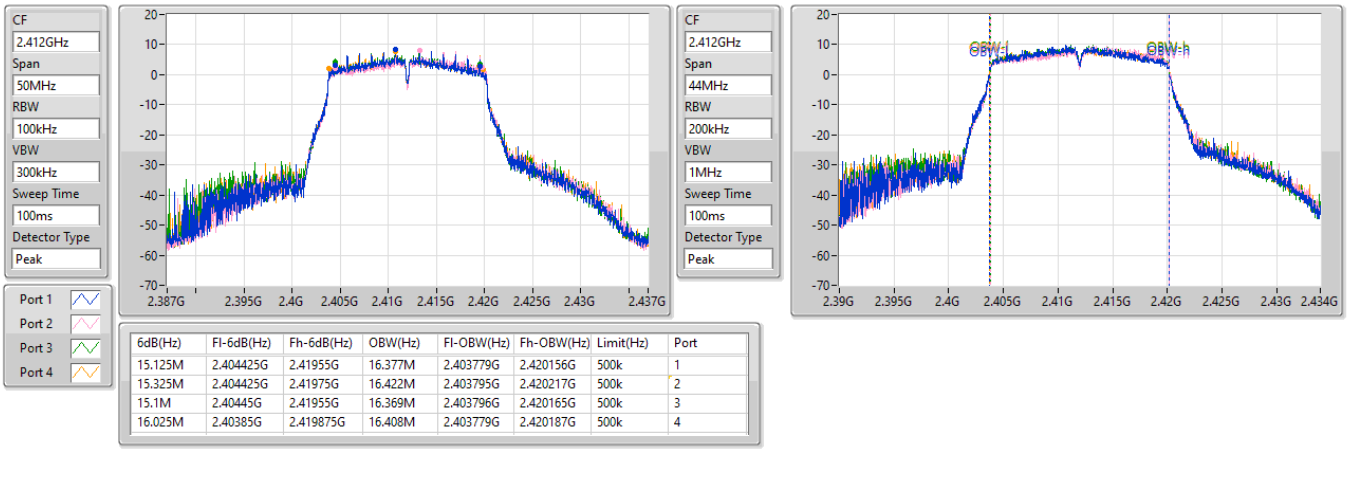
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.457975G	2.465525G	12.244M	2.455862G	2.468106G	500k	1
7.075M	2.458425G	2.4655G	12.514M	2.455589G	2.468103G	500k	2
7.55M	2.457975G	2.465525G	12.443M	2.455747G	2.468191G	500k	3
8.025M	2.457975G	2.466G	12.47M	2.455731G	2.468202G	500k	4

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

2412MHz

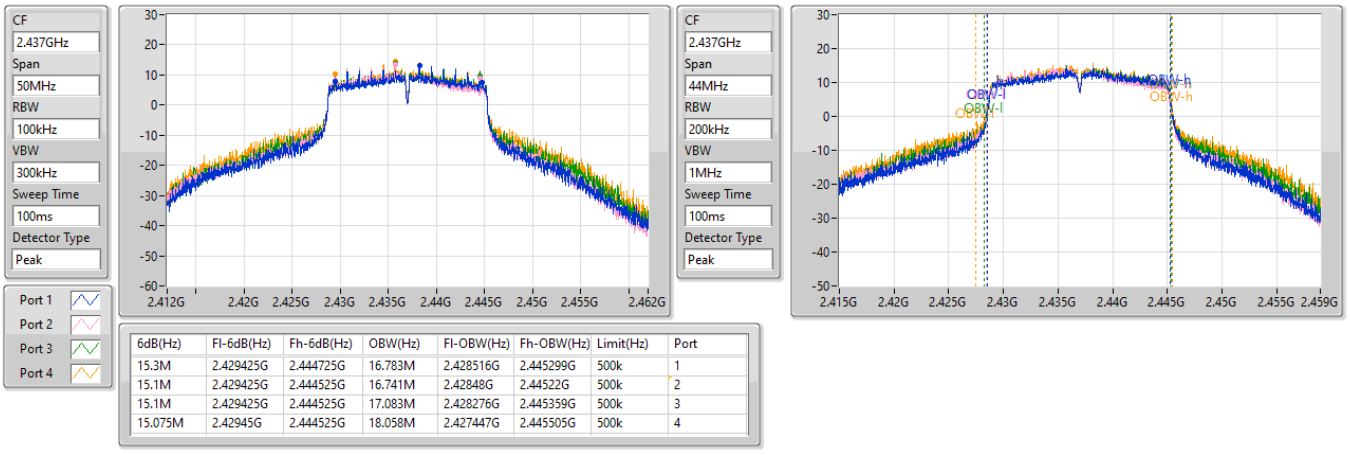


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.125M	2.404425G	2.41955G	16.377M	2.403779G	2.420156G	500k	1
15.325M	2.404425G	2.41975G	16.422M	2.403795G	2.420217G	500k	2
15.1M	2.40445G	2.41955G	16.369M	2.403796G	2.420165G	500k	3
16.025M	2.40385G	2.419875G	16.408M	2.403779G	2.420187G	500k	4

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

2437MHz

28/08/2023

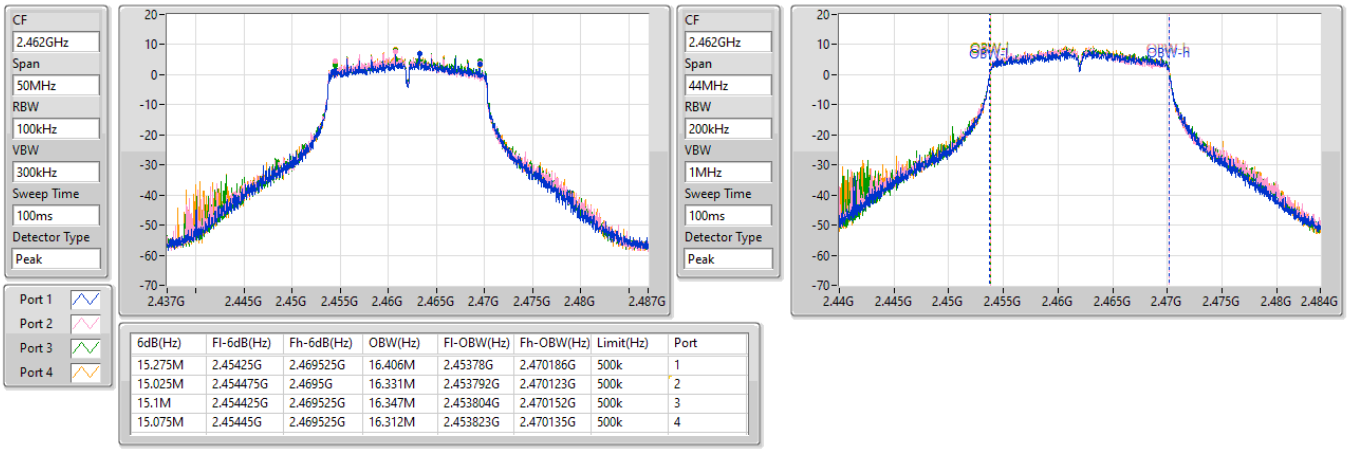


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.3M	2.429425G	2.444725G	16.783M	2.428516G	2.445299G	500k	1
15.1M	2.429425G	2.444525G	16.741M	2.42848G	2.44522G	500k	2
15.1M	2.429425G	2.444525G	17.083M	2.428276G	2.445359G	500k	3
15.075M	2.42945G	2.444525G	18.058M	2.427447G	2.445505G	500k	4

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

2462MHz

28/08/2023

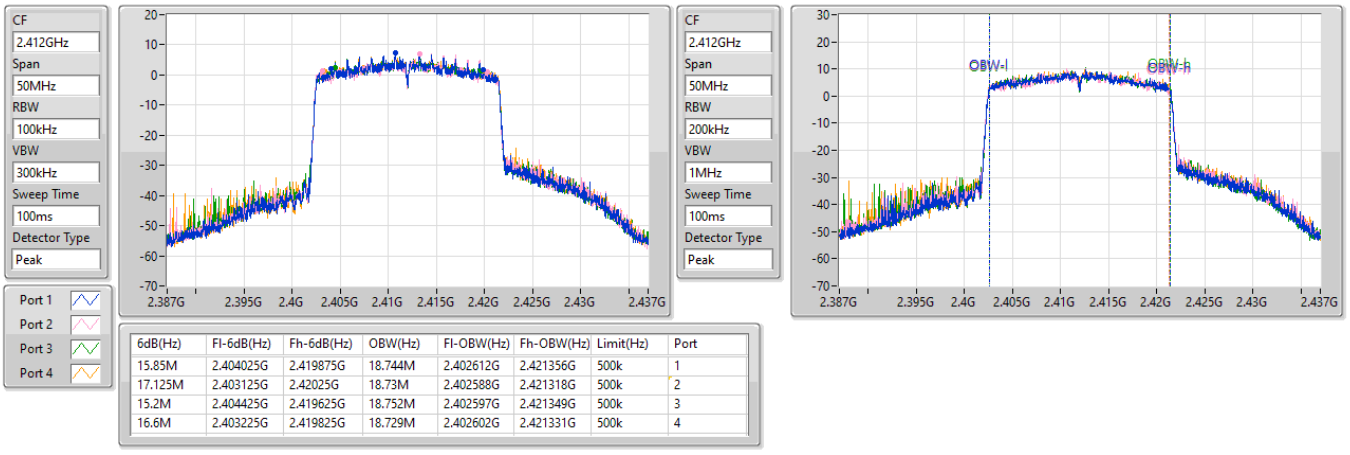


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.275M	2.45425G	2.469525G	16.406M	2.45378G	2.470186G	500k	1
15.025M	2.454475G	2.4695G	16.331M	2.453792G	2.470123G	500k	2
15.1M	2.454425G	2.469525G	16.347M	2.453804G	2.470152G	500k	3
15.075M	2.45445G	2.469525G	16.312M	2.453823G	2.470135G	500k	4

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

2412MHz

28/08/2023

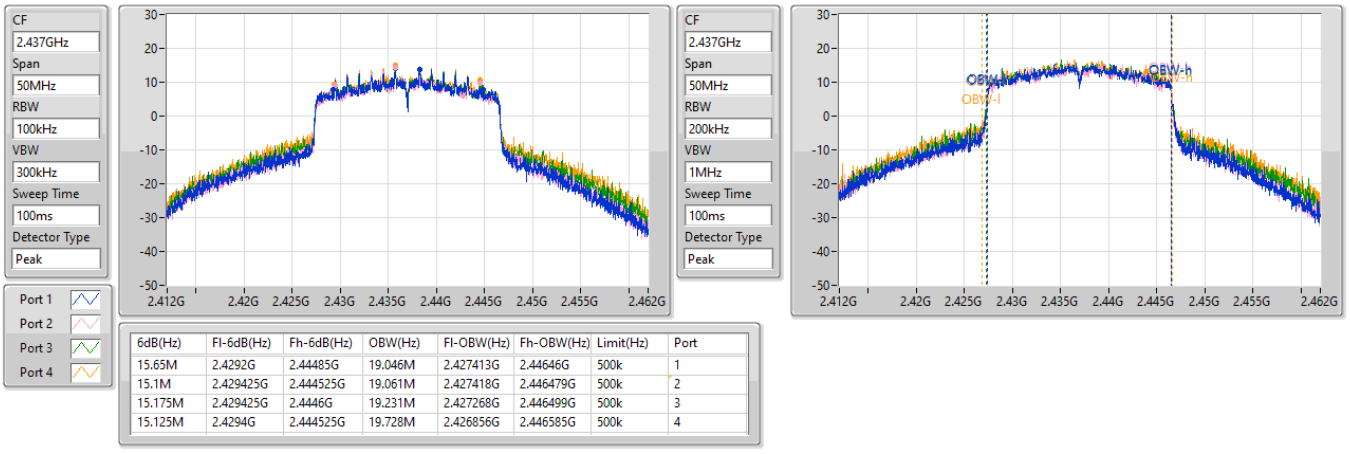


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.85M	2.404025G	2.419875G	18.744M	2.402612G	2.421356G	500k	1
17.125M	2.403125G	2.42025G	18.73M	2.402588G	2.421318G	500k	2
15.2M	2.404425G	2.419625G	18.752M	2.402597G	2.421349G	500k	3
16.6M	2.403225G	2.419825G	18.729M	2.402602G	2.421331G	500k	4

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

2437MHz

28/08/2023

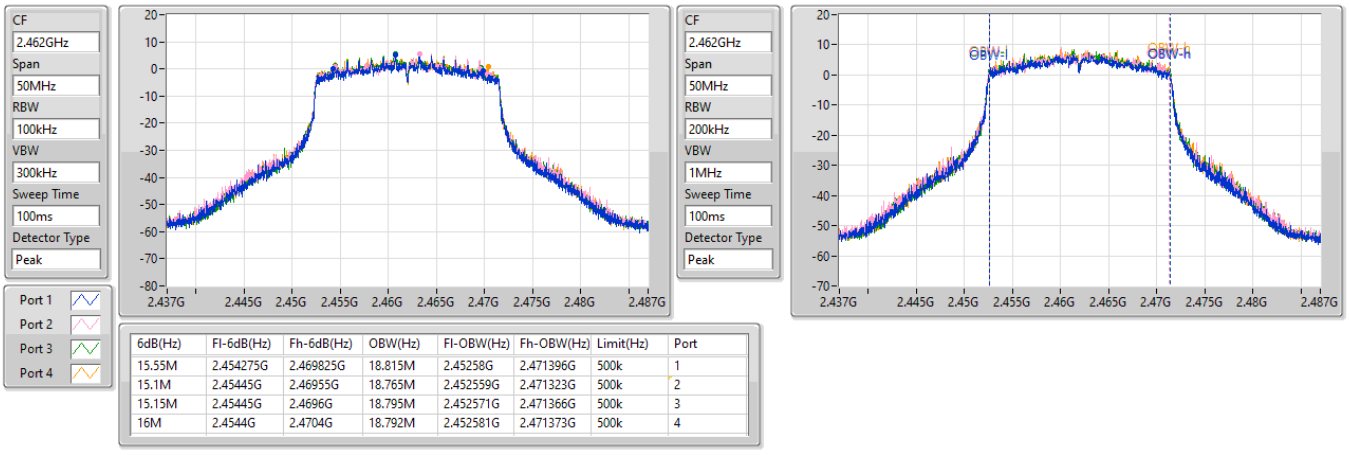


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.65M	2.4292G	2.44485G	19.046M	2.427413G	2.44646G	500k	1
15.1M	2.429425G	2.444525G	19.061M	2.427418G	2.446479G	500k	2
15.175M	2.429425G	2.4446G	19.231M	2.427268G	2.446499G	500k	3
15.125M	2.4294G	2.444525G	19.728M	2.426856G	2.446585G	500k	4

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

2462MHz

28/08/2023

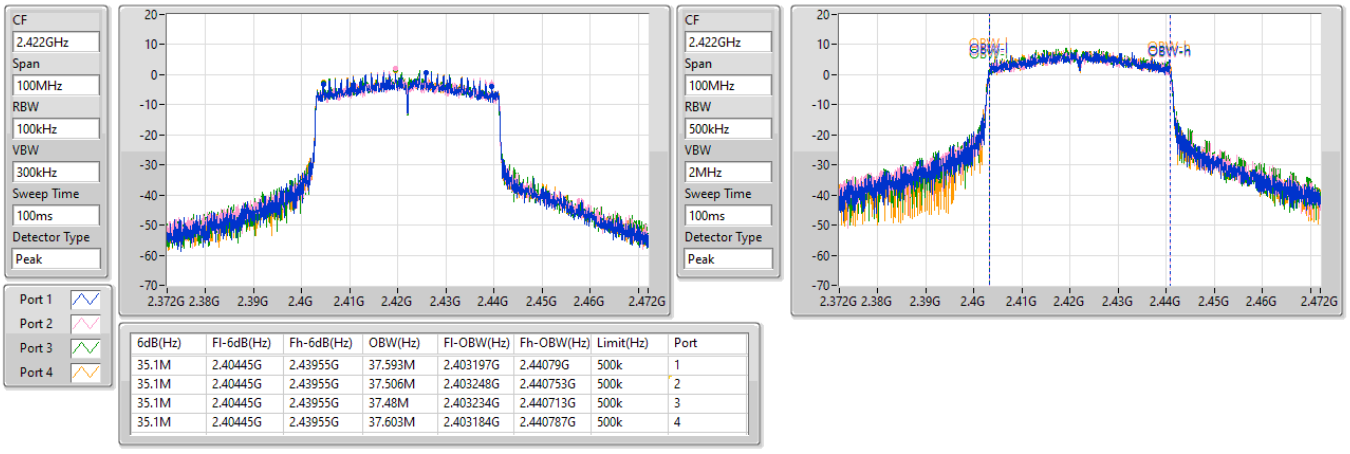


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.55M	2.454275G	2.469825G	18.815M	2.45258G	2.471396G	500k	1
15.1M	2.45445G	2.46955G	18.765M	2.452559G	2.471323G	500k	2
15.15M	2.45445G	2.4696G	18.795M	2.452571G	2.471366G	500k	3
16M	2.4544G	2.4704G	18.792M	2.452581G	2.471373G	500k	4

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

2422MHz

28/08/2023

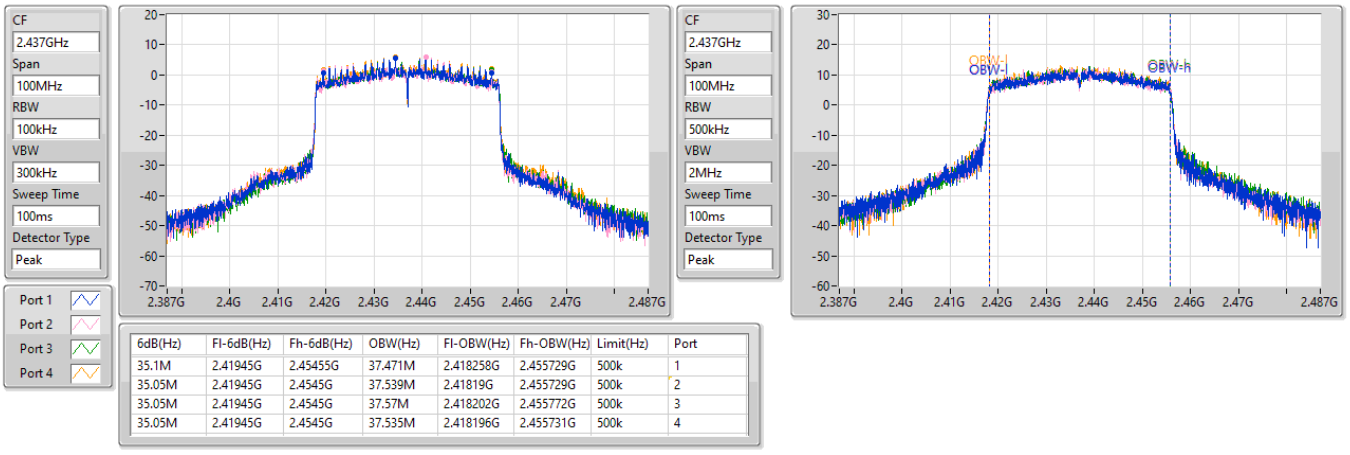


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	2.40445G	2.43955G	37.593M	2.403197G	2.44079G	500k	1
35.1M	2.40445G	2.43955G	37.506M	2.403248G	2.440753G	500k	2
35.1M	2.40445G	2.43955G	37.48M	2.403234G	2.440713G	500k	3
35.1M	2.40445G	2.43955G	37.603M	2.403184G	2.440787G	500k	4

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

2437MHz

28/08/2023

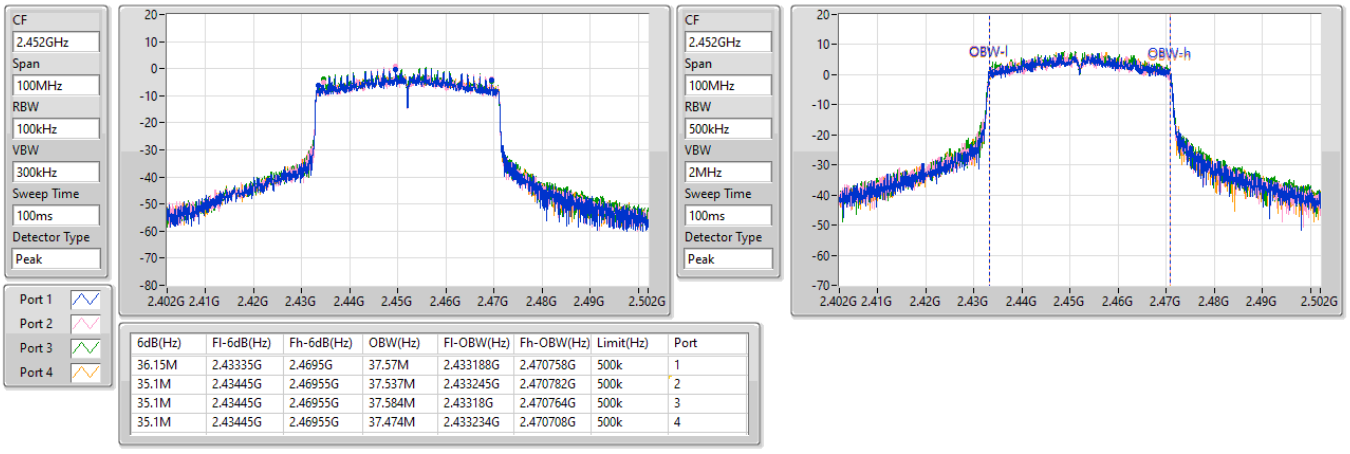


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	2.41945G	2.45455G	37.471M	2.418258G	2.455729G	500k	1
35.05M	2.41945G	2.4545G	37.539M	2.41819G	2.455729G	500k	2
35.05M	2.41945G	2.4545G	37.57M	2.418202G	2.455772G	500k	3
35.05M	2.41945G	2.4545G	37.535M	2.418196G	2.455731G	500k	4

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

2452MHz

28/08/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.15M	2.43335G	2.4695G	37.57M	2.433188G	2.470758G	500k	1
35.1M	2.43445G	2.46955G	37.537M	2.433245G	2.470782G	500k	2
35.1M	2.43445G	2.46955G	37.584M	2.43318G	2.470764G	500k	3
35.1M	2.43445G	2.46955G	37.474M	2.433234G	2.470708G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.98	0.99541
802.11g_Nss1,(6Mbps)_4TX	29.82	0.95940
802.11ax HEW20_Nss1,(MCS0)_4TX	29.88	0.97275
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	26.47	0.44361
802.11ax HEW40_Nss1,(MCS0)_4TX	23.39	0.21827
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.39	0.21827

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	3.65	23.76	23.7	24.11	24.04	29.93	30.00
2437MHz	Pass	3.65	23.6	23.57	24.04	24.57	29.98	30.00
2462MHz	Pass	3.65	20.94	21.55	21.92	22.05	27.66	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.65	18.85	18.63	19.04	19.04	24.91	30.00
2417MHz	Pass	3.65	20.71	20.54	20.81	20.82	26.74	30.00
2437MHz	Pass	3.65	23.47	23.55	23.79	24.35	29.82	30.00
2457MHz	Pass	3.65	20.54	20.5	20.86	21.53	26.90	30.00
2462MHz	Pass	3.65	17.36	18.11	18.29	18.45	24.09	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.65	17.04	17.17	17.49	17.48	23.32	30.00
2417MHz	Pass	3.65	20.13	20.07	20.4	20.41	26.28	30.00
2437MHz	Pass	3.65	23.61	23.55	23.91	24.31	29.88	30.00
2457MHz	Pass	3.65	18.76	18.75	19.09	19.69	25.11	30.00
2462MHz	Pass	3.65	14.73	15.38	15.46	15.72	21.36	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.65	13.06	13.1	13.49	13.55	19.33	30.00
2427MHz	Pass	3.65	14.54	14.5	14.57	14.6	20.57	30.00
2437MHz	Pass	3.65	17.12	17.18	17.31	17.84	23.39	30.00
2447MHz	Pass	3.65	12.89	13.01	13.54	13.38	19.23	30.00
2452MHz	Pass	3.65	11.85	11.96	12.56	12.34	18.21	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.39	17.04	17.17	17.49	17.48	23.32	26.61
2417MHz	Pass	9.39	20.13	20.07	20.4	20.41	26.28	26.61
2437MHz	Pass	9.39	20.18	20.08	20.40	21.06	26.47	26.61
2457MHz	Pass	9.39	18.76	18.75	19.09	19.69	25.11	26.61
2462MHz	Pass	9.39	14.73	15.38	15.46	15.72	21.36	26.61
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	9.39	13.06	13.1	13.49	13.55	19.33	26.61
2427MHz	Pass	9.39	14.54	14.5	14.57	14.6	20.57	26.61
2437MHz	Pass	9.39	17.12	17.18	17.31	17.84	23.39	26.61
2447MHz	Pass	9.39	12.89	13.01	13.54	13.38	19.23	26.61
2452MHz	Pass	9.39	11.85	11.96	12.56	12.34	18.21	26.61

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-1.68
802.11g_Nss1,(6Mbps)_4TX	-3.78
802.11ax HEW20_Nss1,(MCS0)_4TX	-0.17
802.11ax HEW40_Nss1,(MCS0)_4TX	-10.52

RBW = 3kHz;

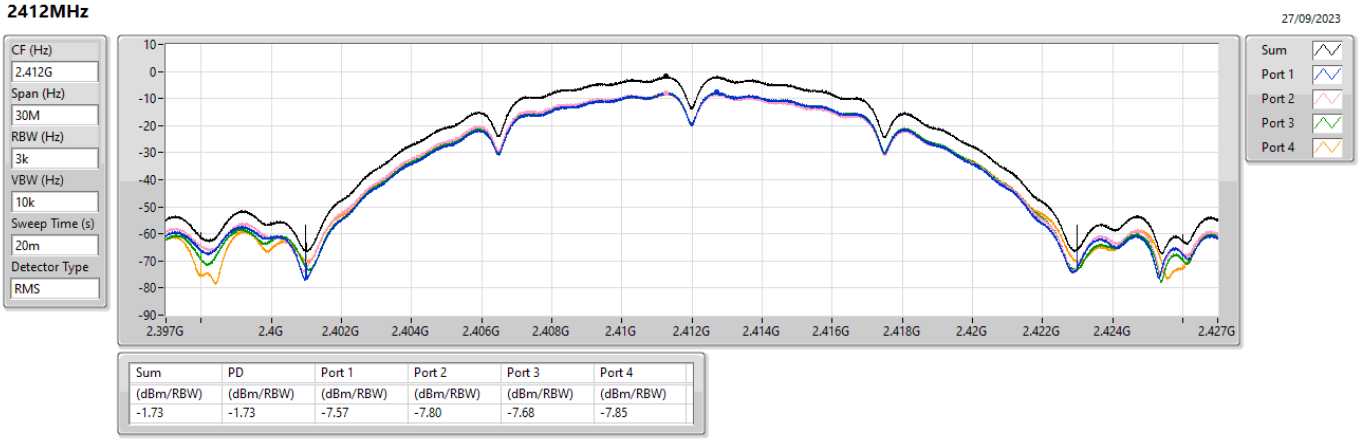
Result

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	9.39	-7.57	-7.80	-7.68	-7.85	-1.73	4.61
2437MHz	Pass	9.39	-7.99	-7.75	-7.55	-7.41	-1.68	4.61
2462MHz	Pass	9.39	-10.78	-9.63	-9.93	-9.83	-4.02	4.61
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.39	-14.57	-14.89	-14.97	-15.28	-9.08	4.61
2437MHz	Pass	9.39	-10.39	-9.07	-9.66	-9.66	-3.78	4.61
2462MHz	Pass	9.39	-16.24	-14.42	-15.23	-14.95	-9.26	4.61
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.39	-12.66	-12.57	-13.78	-14.29	-7.84	4.61
2437MHz	Pass	9.39	-6.03	-5.06	-5.31	-6.94	-0.17	4.61
2462MHz	Pass	9.39	-14.74	-13.31	-13.50	-15.63	-8.53	4.61
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	9.39	-20.75	-21.36	-20.70	-20.30	-15.33	4.61
2437MHz	Pass	9.39	-15.87	-16.22	-16.33	-15.43	-10.52	4.61
2452MHz	Pass	9.39	-22.54	-22.03	-21.63	-21.98	-16.54	4.61

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

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

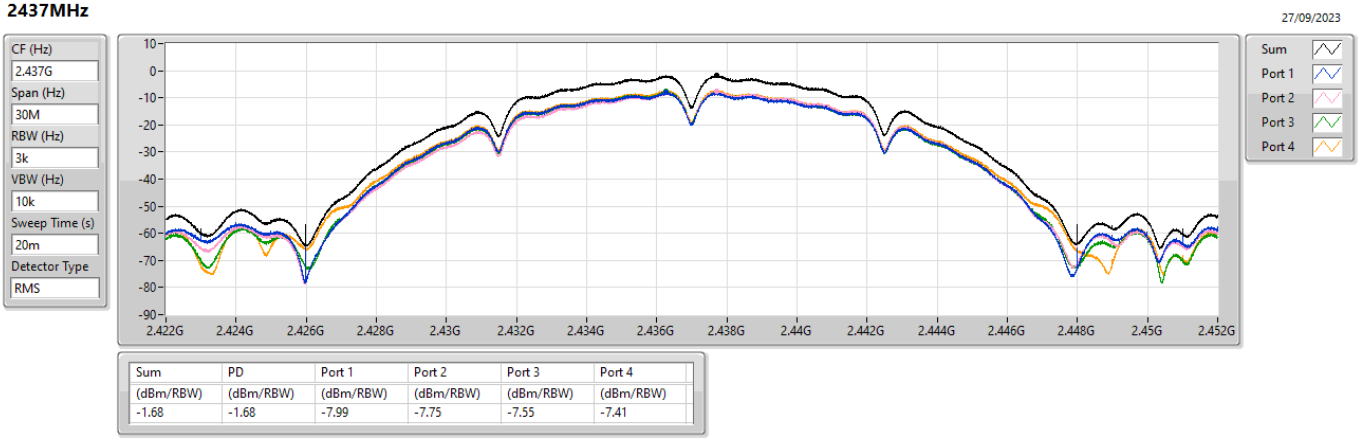
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.73	-1.73	-7.57	-7.80	-7.68	-7.85

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

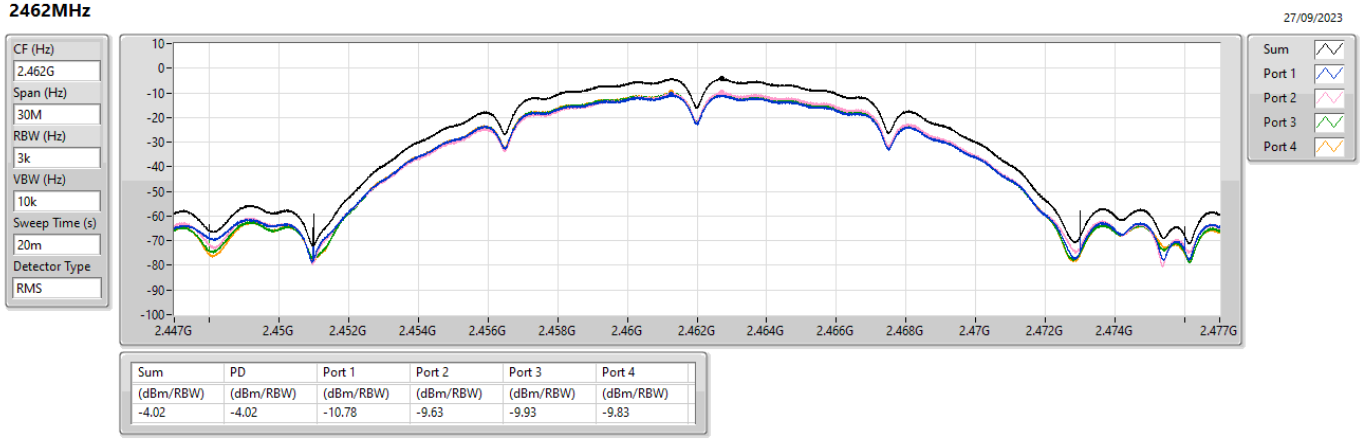
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.68	-1.68	-7.99	-7.75	-7.55	-7.41

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

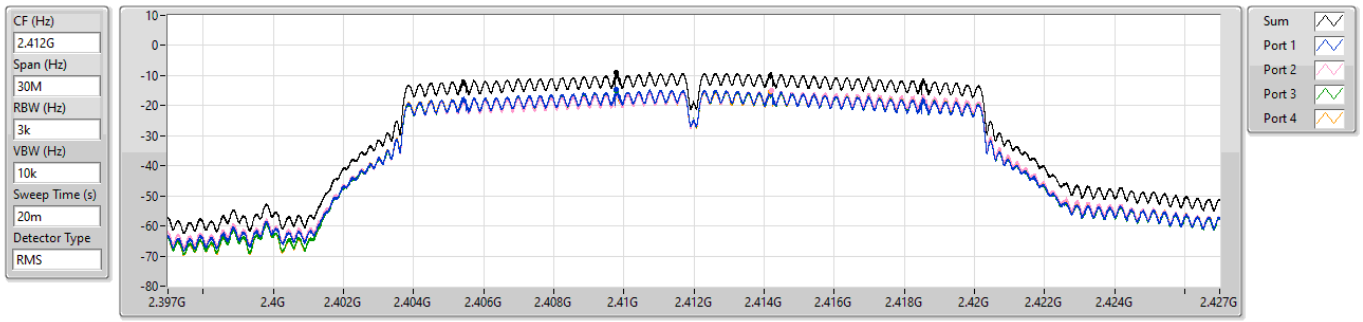
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.02	-4.02	-10.78	-9.63	-9.93	-9.83

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

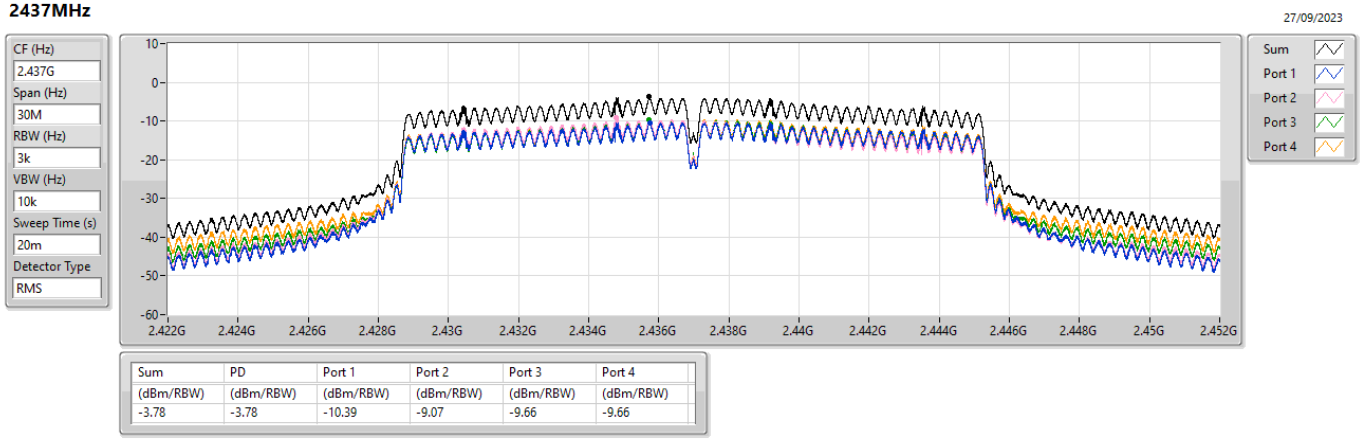
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.08	-9.08	-14.57	-14.89	-14.97	-15.28

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

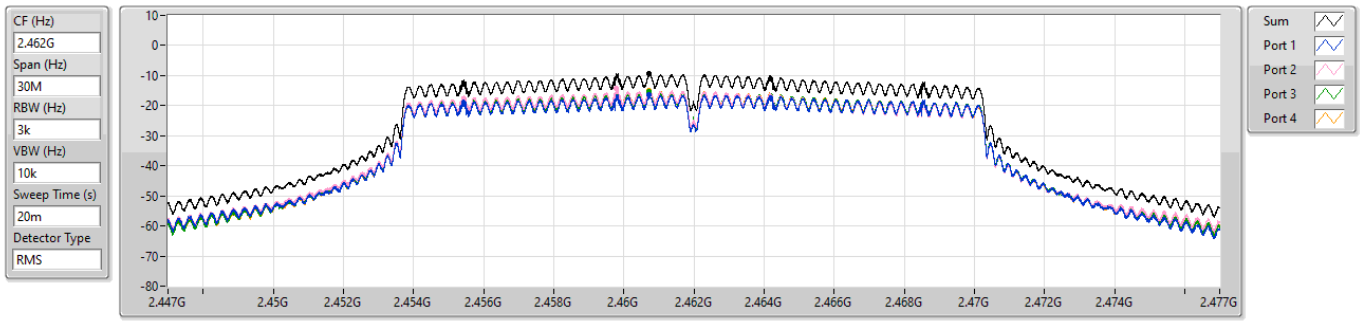
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.78	-3.78	-10.39	-9.07	-9.66	-9.66

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

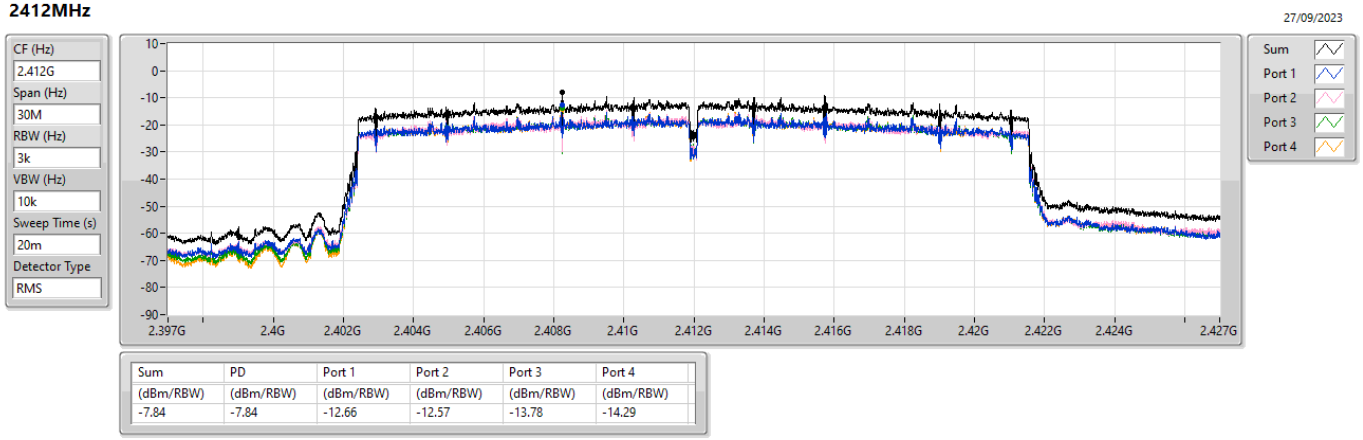
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.26	-9.26	-16.24	-14.42	-15.23	-14.95

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

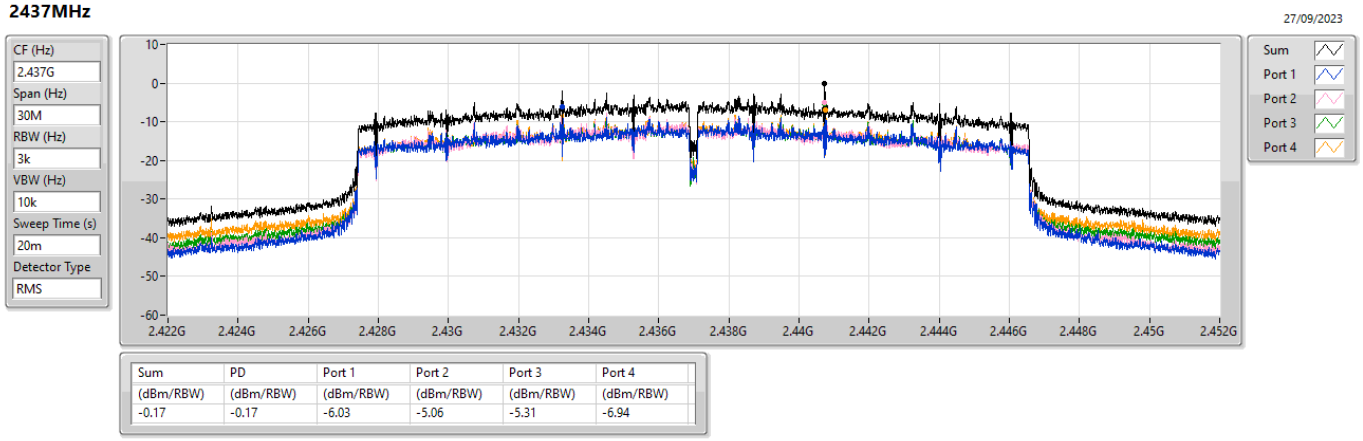
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.84	-7.84	-12.66	-12.57	-13.78	-14.29

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

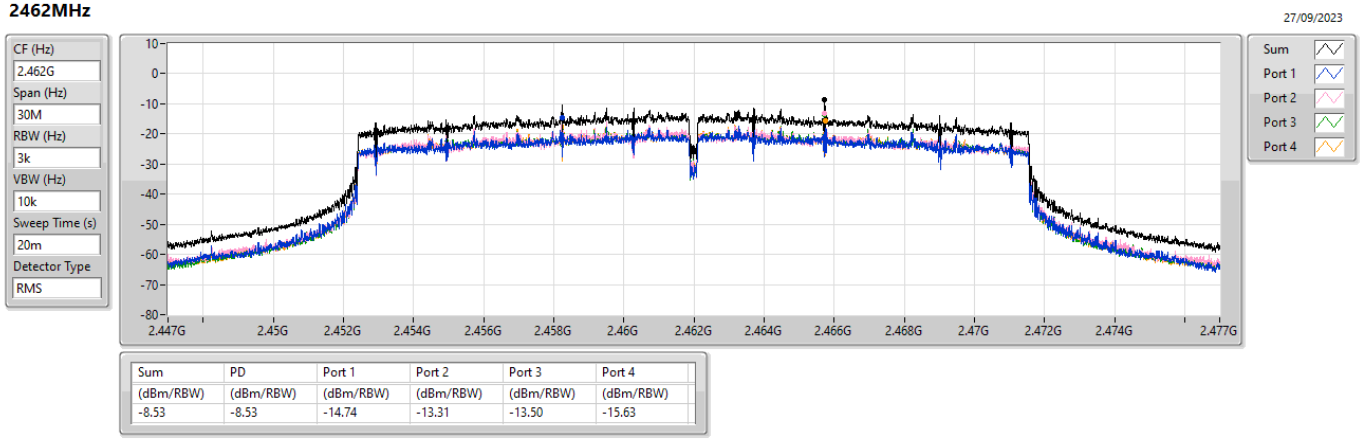
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.17	-0.17	-6.03	-5.06	-5.31	-6.94

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

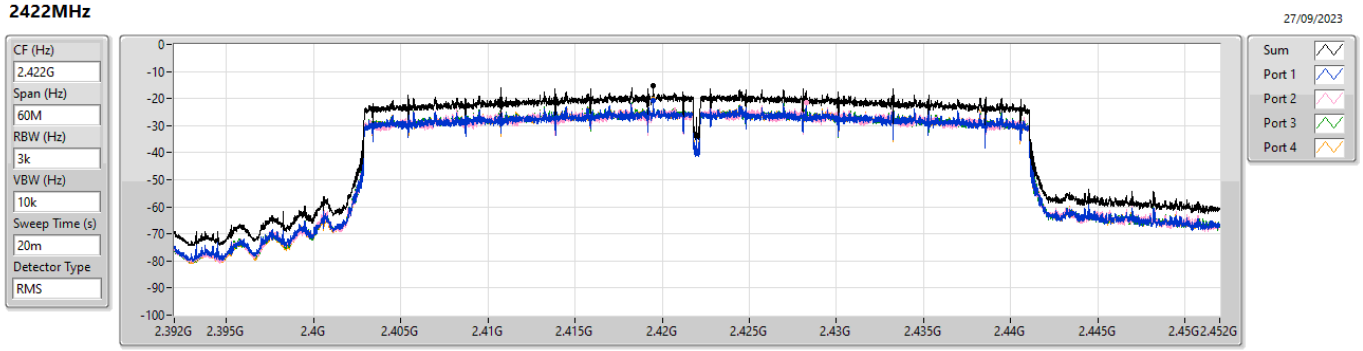
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.53	-8.53	-14.74	-13.31	-13.50	-15.63

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

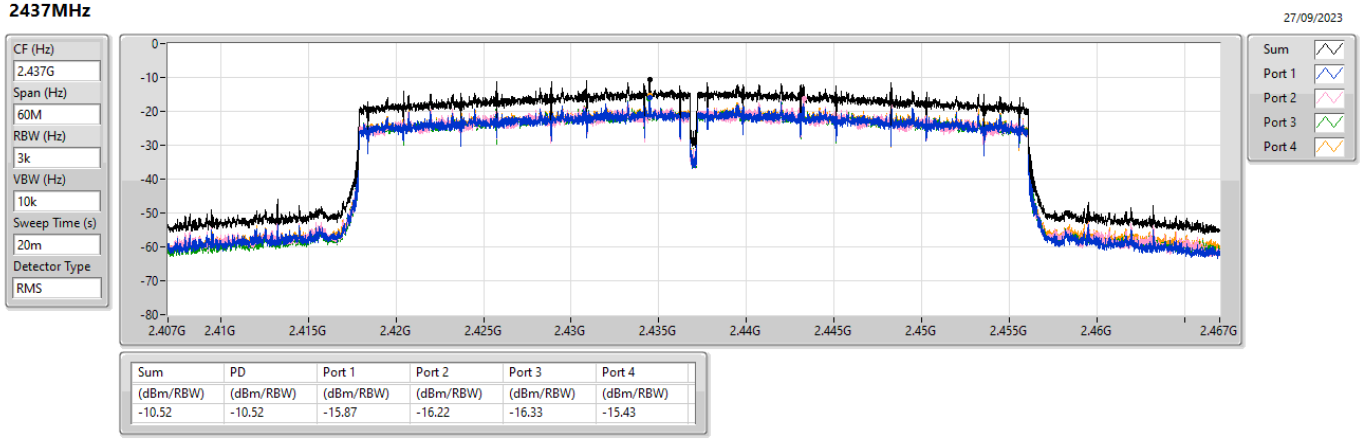
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.33	-15.33	-20.75	-21.36	-20.70	-20.30

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

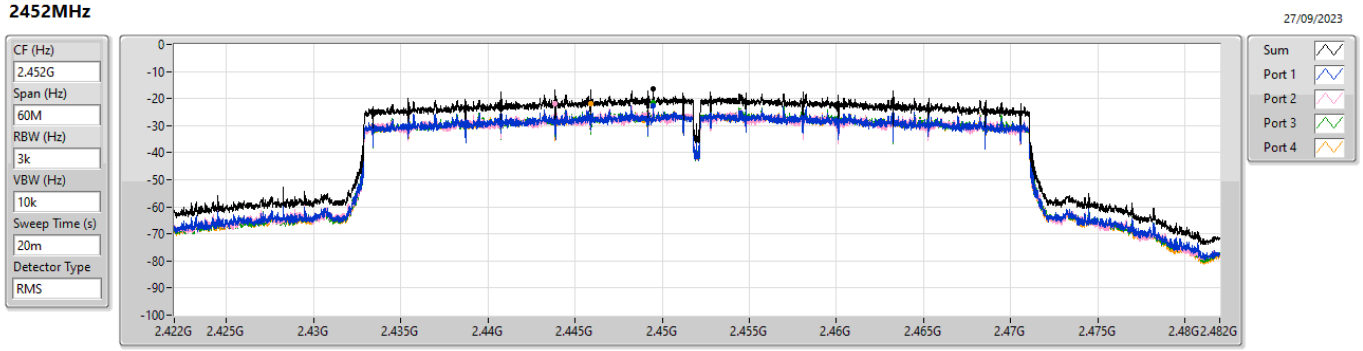
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.52	-10.52	-15.87	-16.22	-16.33	-15.43

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

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.54	-16.54	-22.54	-22.03	-21.63	-21.98

Summary

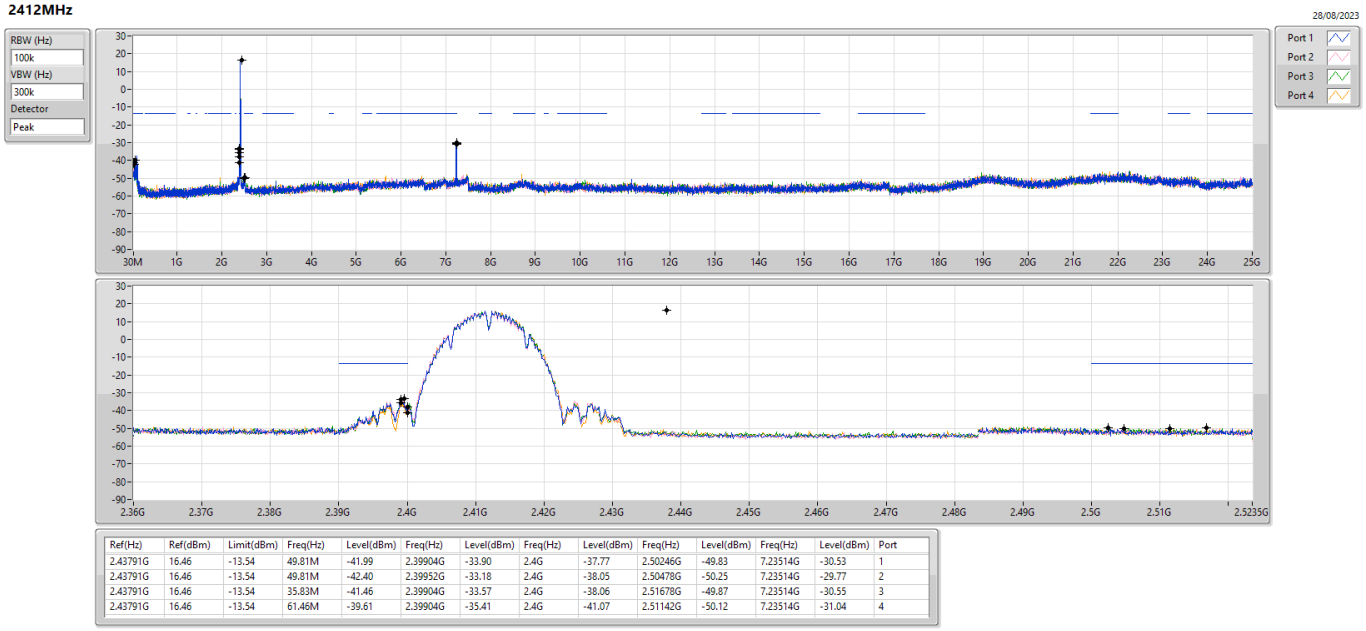
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43791G	16.46	-13.54	49.81M	-42.40	2.39952G	-33.18	2.4G	-38.05	2.50478G	-50.25	7.23514G	-29.77	2
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43574G	14.59	-15.41	60.29M	-41.04	2.39984G	-34.49	2.4G	-36.69	2.5011G	-50.10	7.23233G	-39.90	2
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43574G	15.02	-14.98	77.77M	-41.64	2.39936G	-38.47	2.4G	-40.22	2.50374G	-48.52	21.74091G	-46.67	4
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.4344G	6.02	-23.98	62.06M	-40.10	2.39984G	-33.21	2.4G	-34.06	2.5243G	-53.02	21.72708G	-46.90	4

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43791G	16.46	-13.54	49.81M	-41.99	2.39904G	-33.90	2.4G	-37.77	2.50246G	-49.83	7.23514G	-30.53	1
2412MHz	Pass	2.43791G	16.46	-13.54	49.81M	-42.40	2.39952G	-33.18	2.4G	-38.05	2.50478G	-50.25	7.23514G	-29.77	2
2412MHz	Pass	2.43791G	16.46	-13.54	35.83M	-41.46	2.39904G	-33.57	2.4G	-38.06	2.51678G	-49.87	7.23514G	-30.55	3
2412MHz	Pass	2.43791G	16.46	-13.54	61.46M	-39.61	2.39904G	-35.41	2.4G	-41.07	2.51142G	-50.12	7.23514G	-31.04	4
2437MHz	Pass	2.43791G	16.46	-13.54	49.81M	-42.53	2.39376G	-49.97	2.4G	-52.86	2.50254G	-49.78	21.70438G	-47.54	1
2437MHz	Pass	2.43791G	16.46	-13.54	61.46M	-42.96	2.396G	-50.19	2.4G	-52.82	2.50406G	-50.32	21.68472G	-47.20	2
2437MHz	Pass	2.43791G	16.46	-13.54	60.29M	-41.67	2.39872G	-50.19	2.4G	-51.50	2.51534G	-49.79	21.72405G	-46.13	3
2437MHz	Pass	2.43791G	16.46	-13.54	61.46M	-42.96	2.39952G	-50.71	2.4G	-53.38	2.51406G	-49.46	21.89543G	-47.25	4
2462MHz	Pass	2.43791G	16.46	-13.54	60.29M	-42.54	2.39632G	-50.63	2.4G	-53.49	2.50798G	-50.87	21.76619G	-47.85	1
2462MHz	Pass	2.43791G	16.46	-13.54	31.17M	-42.25	2.39272G	-50.18	2.4G	-54.92	2.51598G	-50.38	21.52738G	-46.97	2
2462MHz	Pass	2.43791G	16.46	-13.54	90.58M	-43.29	2.3988G	-50.13	2.4G	-54.51	2.50086G	-49.80	21.69595G	-46.89	3
2462MHz	Pass	2.43791G	16.46	-13.54	49.81M	-42.55	2.3996G	-50.23	2.4G	-54.51	2.50054G	-49.71	21.68191G	-48.16	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	14.59	-15.41	76.6M	-42.01	2.39984G	-36.34	2.4G	-38.34	2.51374G	-50.01	7.23514G	-39.57	1
2412MHz	Pass	2.43574G	14.59	-15.41	60.29M	-41.04	2.39984G	-34.49	2.4G	-36.69	2.5011G	-50.10	7.23233G	-39.90	2
2412MHz	Pass	2.43574G	14.59	-15.41	60.29M	-42.09	2.39976G	-35.31	2.4G	-37.13	2.51654G	-49.27	7.23233G	-39.66	3
2412MHz	Pass	2.43574G	14.59	-15.41	61.46M	-40.14	2.39696G	-35.79	2.4G	-36.20	2.51486G	-49.97	7.23233G	-38.33	4
2437MHz	Pass	2.43574G	14.59	-15.41	84.76M	-42.24	2.3976G	-45.89	2.4G	-47.69	2.50958G	-49.92	21.77462G	-46.86	1
2437MHz	Pass	2.43574G	14.59	-15.41	49.81M	-40.63	2.4G	-46.37	2.4G	-48.14	2.50046G	-49.13	21.58919G	-47.61	2
2437MHz	Pass	2.43574G	14.59	-15.41	31.17M	-41.65	2.39824G	-42.26	2.4G	-45.47	2.5151G	-48.53	21.99096G	-47.46	3
2437MHz	Pass	2.43574G	14.59	-15.41	49.81M	-40.85	2.39896G	-41.62	2.4G	-41.21	2.52078G	-49.33	22.0022G	-47.33	4
2462MHz	Pass	2.43574G	14.59	-15.41	49.81M	-40.11	2.3964G	-49.44	2.4G	-54.96	2.51478G	-50.61	21.86734G	-46.26	1
2462MHz	Pass	2.43574G	14.59	-15.41	61.46M	-42.62	2.39664G	-49.84	2.4G	-55.82	2.50038G	-50.49	21.69314G	-46.52	2
2462MHz	Pass	2.43574G	14.59	-15.41	32.33M	-40.84	2.39248G	-50.50	2.4G	-55.05	2.50902G	-50.46	21.69034G	-47.19	3
2462MHz	Pass	2.43574G	14.59	-15.41	60.29M	-41.69	2.39272G	-49.90	2.4G	-54.82	2.51278G	-49.46	21.98253G	-46.33	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	15.02	-14.98	61.46M	-42.15	2.39808G	-39.32	2.4G	-40.64	2.50142G	-48.80	7.23233G	-43.05	1
2412MHz	Pass	2.43574G	15.02	-14.98	60.29M	-41.56	2.3996G	-38.65	2.4G	-40.87	2.51062G	-50.00	7.23233G	-43.09	2
2412MHz	Pass	2.43574G	15.02	-14.98	49.81M	-40.89	2.39984G	-38.63	2.4G	-40.65	2.5059G	-50.11	7.2239G	-41.08	3
2412MHz	Pass	2.43574G	15.02	-14.98	61.46M	-41.82	2.39992G	-40.48	2.4G	-42.84	2.50798G	-49.05	7.23795G	-41.44	4
2437MHz	Pass	2.43574G	15.02	-14.98	35.83M	-39.82	2.39896G	-42.18	2.4G	-45.18	2.50478G	-49.61	21.93477G	-46.75	1
2437MHz	Pass	2.43574G	15.02	-14.98	77.77M	-41.24	2.39952G	-42.69	2.4G	-45.58	2.51558G	-50.12	21.66786G	-46.82	2
2437MHz	Pass	2.43574G	15.02	-14.98	61.46M	-41.22	2.4G	-41.28	2.4G	-40.82	2.5007G	-48.68	21.67629G	-46.72	3
2437MHz	Pass	2.43574G	15.02	-14.98	77.77M	-41.64	2.39936G	-38.47	2.4G	-40.22	2.50374G	-48.52	21.74091G	-46.67	4
2462MHz	Pass	2.43574G	15.02	-14.98	60.29M	-41.14	2.39784G	-49.90	2.4G	-54.52	2.50222G	-50.71	21.93477G	-47.55	1
2462MHz	Pass	2.43574G	15.02	-14.98	77.77M	-42.16	2.39712G	-50.62	2.4G	-56.31	2.52342G	-50.68	21.7381G	-46.97	2
2462MHz	Pass	2.43574G	15.02	-14.98	49.81M	-41.03	2.3936G	-50.42	2.4G	-52.99	2.50278G	-49.34	21.96005G	-47.31	3
2462MHz	Pass	2.43574G	15.02	-14.98	49.81M	-42.27	2.39168G	-49.97	2.4G	-54.36	2.51134G	-50.58	21.76057G	-47.39	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	6.02	-23.98	49.47M	-39.98	2.39936G	-35.05	2.4G	-36.41	2.55134G	-52.00	7.24151G	-46.57	1
2422MHz	Pass	2.4344G	6.02	-23.98	49.47M	-40.73	2.4G	-34.71	2.4G	-33.69	2.50382G	-52.78	21.66257G	-48.15	2
2422MHz	Pass	2.4344G	6.02	-23.98	60.92M	-41.63	2.39984G	-34.34	2.4G	-34.36	2.52446G	-53.31	21.64574G	-47.51	3
2422MHz	Pass	2.4344G	6.02	-23.98	62.06M	-40.10	2.39984G	-33.21	2.4G	-34.06	2.5243G	-53.02	21.72708G	-46.90	4
2437MHz	Pass	2.4344G	6.02	-23.98	89.54M	-40.77	2.39728G	-40.69	2.4G	-40.60	2.50622G	-50.41	21.71866G	-46.67	1
2437MHz	Pass	2.4344G	6.02	-23.98	62.06M	-41.20	2.4G	-39.84	2.4G	-40.36	2.50318G	-50.51	21.64855G	-47.48	2
2437MHz	Pass	2.4344G	6.02	-23.98	90.69M	-41.79	2.39872G	-40.84	2.4G	-42.01	2.50174G	-49.34	21.64574G	-46.75	3
2437MHz	Pass	2.4344G	6.02	-23.98	62.06M	-40.79	2.39984G	-40.61	2.4G	-41.48	2.50958G	-49.64	21.81682G	-47.05	4
2452MHz	Pass	2.4344G	6.02	-23.98	36.87M	-40.41	2.39408G	-51.40	2.4G	-52.01	2.50398G	-51.31	21.48308G	-46.66	1
2452MHz	Pass	2.4344G	6.02	-23.98	81.53M	-41.78	2.39872G	-50.31	2.4G	-51.34	2.5003G	-51.13	21.69062G	-47.39	2
2452MHz	Pass	2.4344G	6.02	-23.98	89.54M	-41.69	2.3984G	-50.86	2.4G	-50.26	2.50046G	-50.00	21.82243G	-46.19	3
2452MHz	Pass	2.4344G	6.02	-23.98	60.92M	-42.05	2.39808G	-50.52	2.4G	-51.82	2.50046G	-50.66	21.60928G	-46.96	4

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

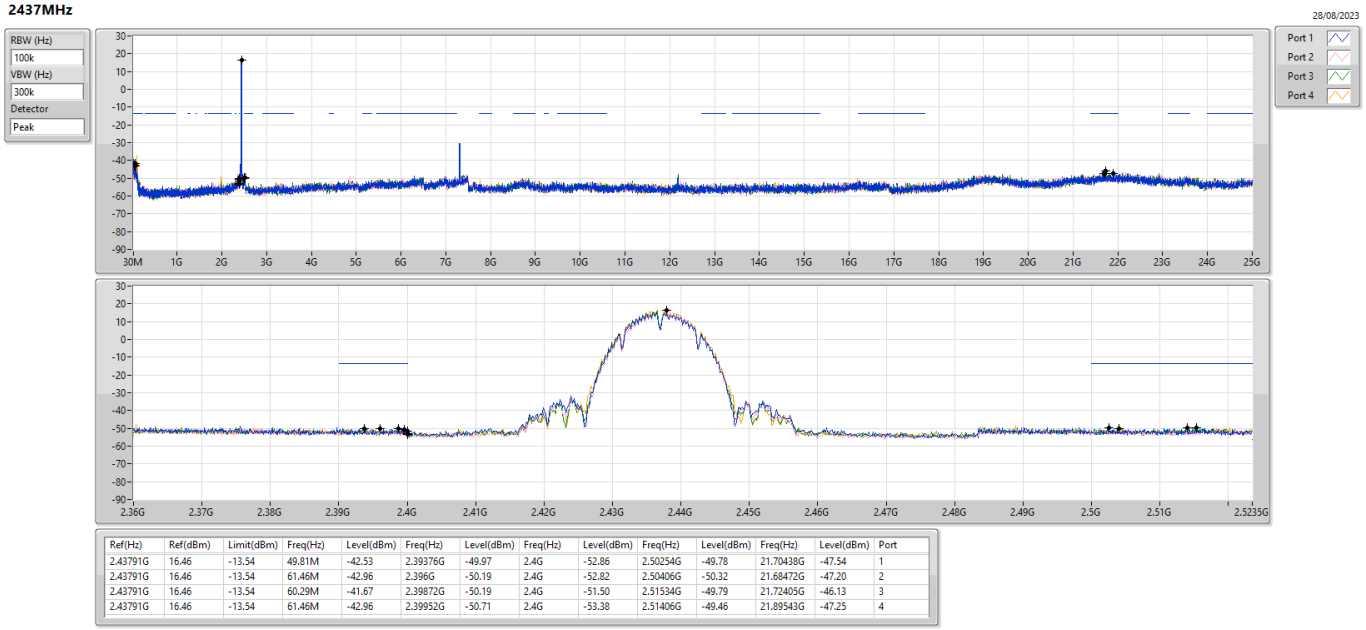
2412MHz



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
2.43791G	16.46	-13.54	49.81M	-41.99	2.39904G	-33.90	2.4G	-37.77	2.50246G	-49.83	7.23514G	-30.53	1
2.43791G	16.46	-13.54	49.81M	-42.40	2.39952G	-33.18	2.4G	-38.05	2.50478G	-50.25	7.23514G	-29.77	2
2.43791G	16.46	-13.54	35.83M	-41.46	2.39904G	-33.57	2.4G	-38.06	2.51678G	-49.87	7.23514G	-30.55	3
2.43791G	16.46	-13.54	61.46M	-39.61	2.39904G	-35.41	2.4G	-41.07	2.51142G	-50.12	7.23514G	-31.04	4

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

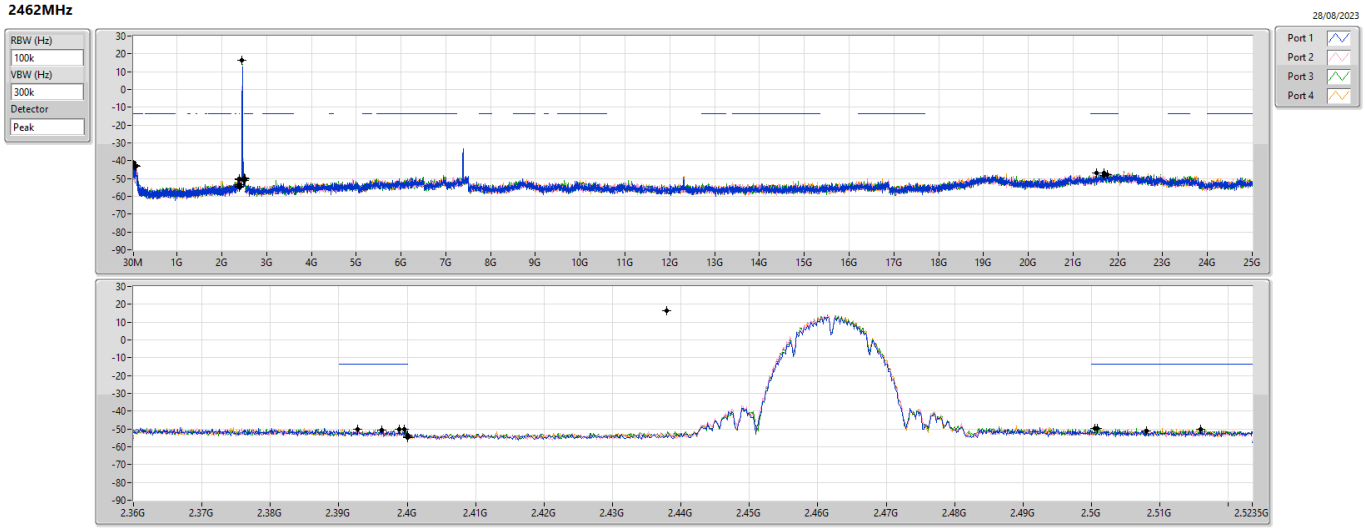
2437MHz



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
2.43791G	16.46	-13.54	49.81M	-42.53	2.39376G	-49.97	2.4G	-52.86	2.50254G	-49.78	21.70438G	-47.54	1
2.43791G	16.46	-13.54	61.46M	-42.96	2.396G	-50.19	2.4G	-52.82	2.50406G	-50.32	21.68472G	-47.20	2
2.43791G	16.46	-13.54	60.29M	-41.67	2.39872G	-50.19	2.4G	-51.50	2.51534G	-49.79	21.72405G	-46.13	3
2.43791G	16.46	-13.54	61.46M	-42.96	2.39952G	-50.71	2.4G	-53.38	2.51406G	-49.46	21.89543G	-47.25	4

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

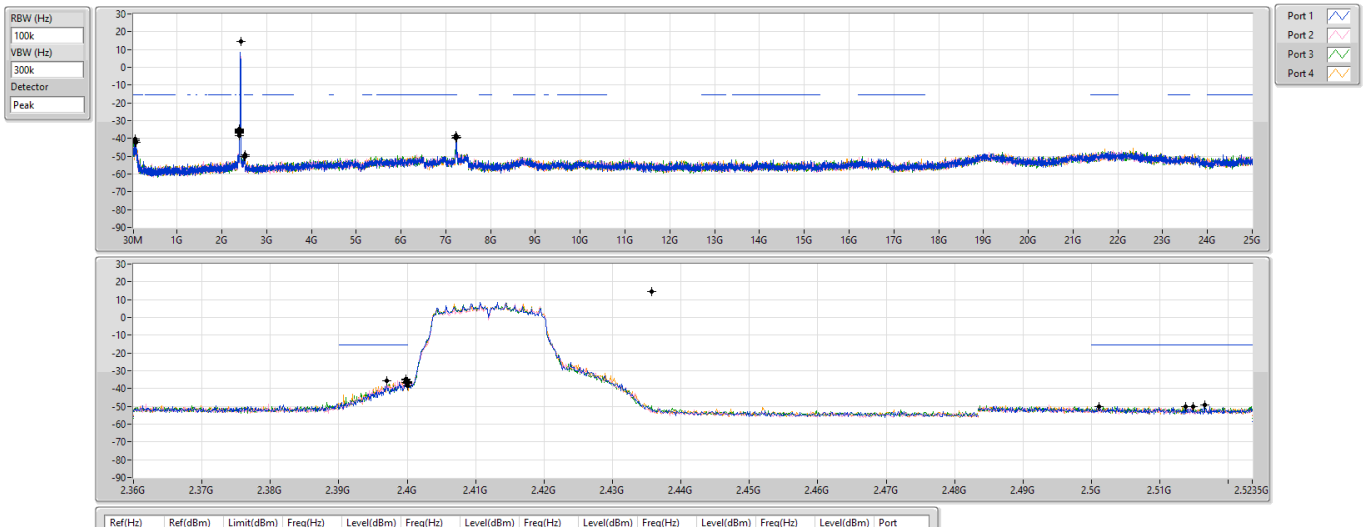
2462MHz



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
2.43791G	16.46	-13.54	60.29M	-42.54	2.39632G	-50.63	2.4G	-53.49	2.50798G	-50.87	21.76619G	-47.85	1
2.43791G	16.46	-13.54	31.17M	-42.25	2.39272G	-50.18	2.4G	-54.92	2.51598G	-50.38	21.52738G	-46.97	2
2.43791G	16.46	-13.54	90.58M	-43.29	2.3988G	-50.13	2.4G	-54.51	2.50086G	-49.80	21.69595G	-46.89	3
2.43791G	16.46	-13.54	49.81M	-42.55	2.3996G	-50.23	2.4G	-54.51	2.50054G	-49.71	21.68191G	-48.16	4

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

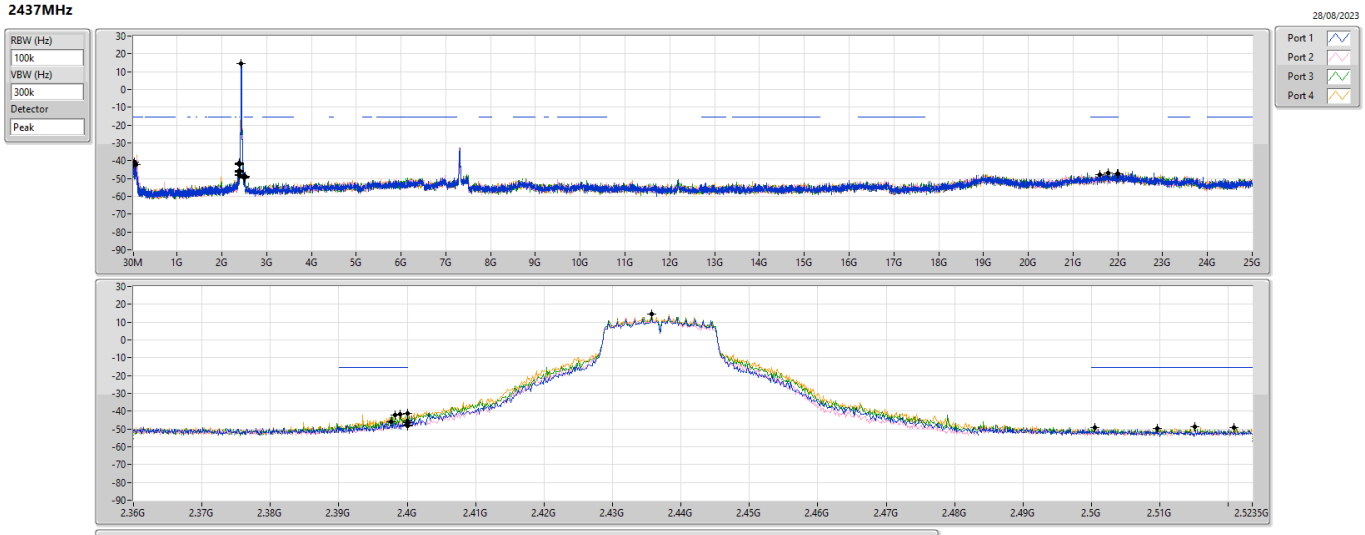
2412MHz



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
2.43574G	14.59	-15.41	76.6M	-42.01	2.39984G	-36.34	2.4G	-38.34	2.51374G	-50.01	7.23514G	-39.57	1
2.43574G	14.59	-15.41	60.29M	-41.04	2.39984G	-34.49	2.4G	-36.69	2.5011G	-50.10	7.23233G	-39.90	2
2.43574G	14.59	-15.41	60.29M	-42.09	2.39976G	-35.31	2.4G	-37.13	2.51654G	-49.27	7.23233G	-39.66	3
2.43574G	14.59	-15.41	61.46M	-40.14	2.39696G	-35.79	2.4G	-36.20	2.51486G	-49.97	7.23233G	-38.33	4

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

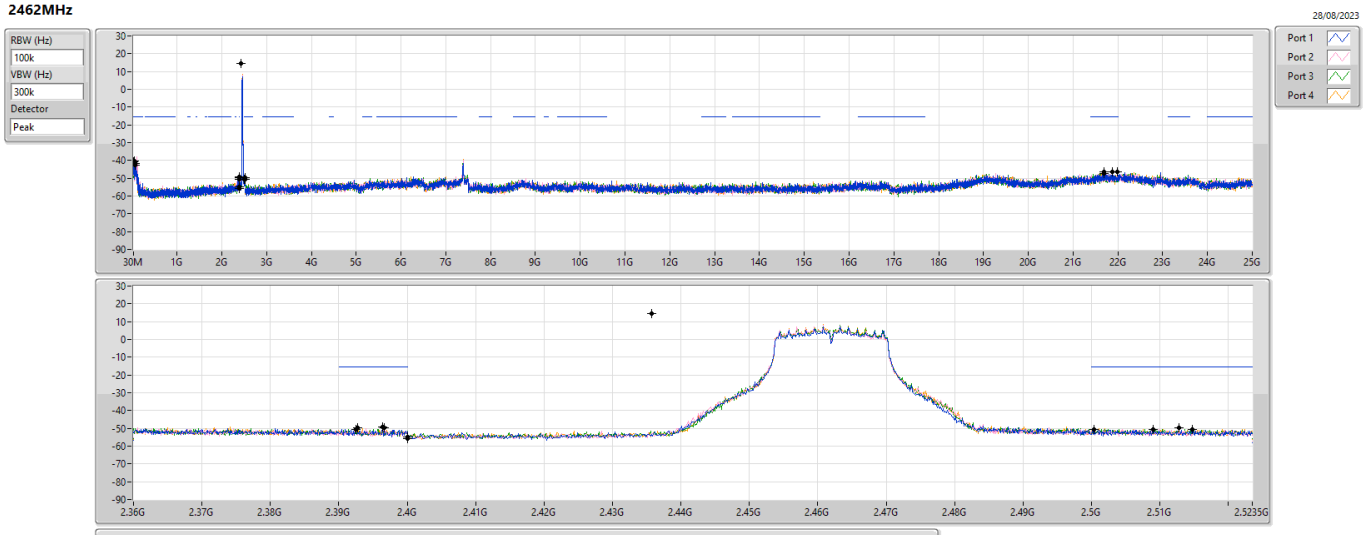
2437MHz



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
2.43574G	14.59	-15.41	84.76M	-42.24	2.3976G	-45.89	2.4G	-47.69	2.50958G	-49.92	21.77462G	-46.86	1
2.43574G	14.59	-15.41	49.81M	-40.63	2.4G	-46.37	2.4G	-48.14	2.50046G	-49.13	21.58919G	-47.61	2
2.43574G	14.59	-15.41	31.17M	-41.65	2.39824G	-42.26	2.4G	-45.47	2.5151G	-48.53	21.99096G	-47.46	3
2.43574G	14.59	-15.41	49.81M	-40.85	2.39896G	-41.62	2.4G	-41.21	2.52078G	-49.33	22.0022G	-47.33	4

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

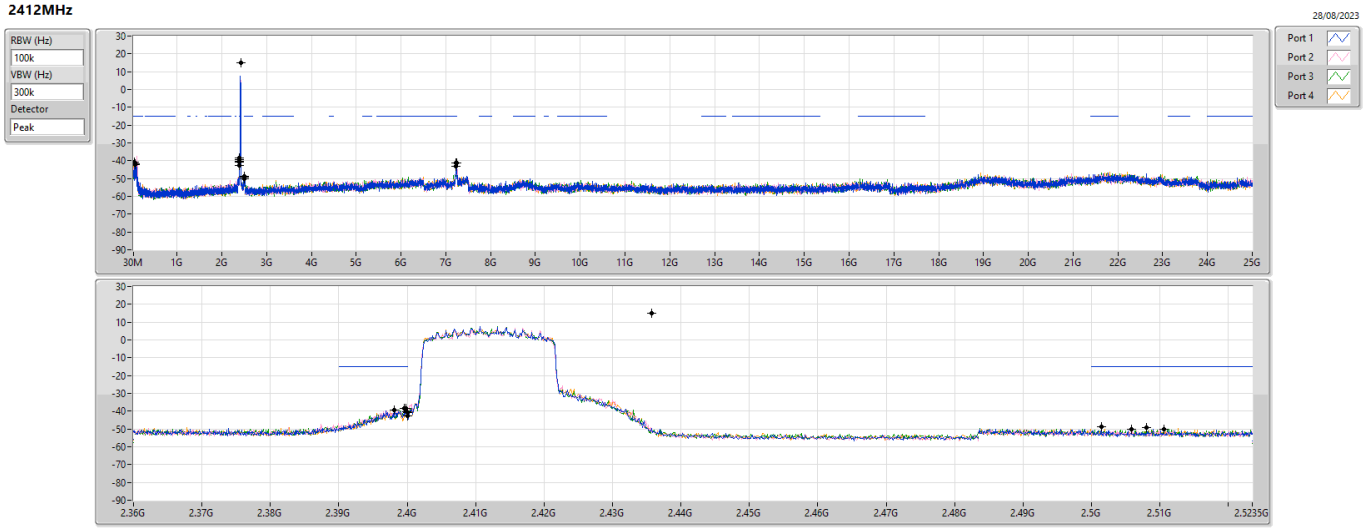
2462MHz



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
2.43574G	14.59	-15.41	49.81M	-40.11	2.3964G	-49.44	2.4G	-54.96	2.51478G	-50.61	21.86734G	-46.26	1
2.43574G	14.59	-15.41	61.46M	-42.62	2.39664G	-49.84	2.4G	-55.82	2.50038G	-50.49	21.69314G	-46.52	2
2.43574G	14.59	-15.41	32.33M	-40.84	2.39248G	-50.50	2.4G	-55.05	2.50902G	-50.46	21.69034G	-47.19	3
2.43574G	14.59	-15.41	60.29M	-41.69	2.39272G	-49.90	2.4G	-54.82	2.51278G	-49.46	21.98253G	-46.33	4

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

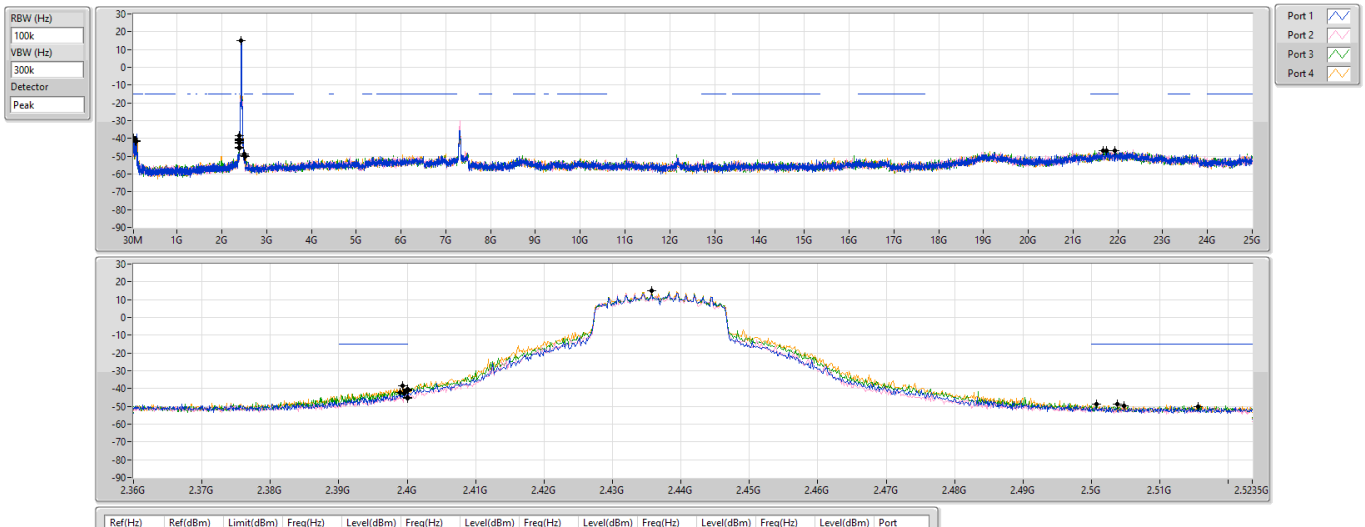
2412MHz



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
2.43574G	15.02	-14.98	61.46M	-42.15	2.39808G	-39.32	2.4G	-40.64	2.50142G	-48.80	7.23233G	-43.05	1
2.43574G	15.02	-14.98	60.29M	-41.56	2.3996G	-38.65	2.4G	-40.87	2.51062G	-50.00	7.23233G	-43.09	2
2.43574G	15.02	-14.98	49.81M	-40.89	2.39984G	-38.63	2.4G	-40.65	2.5059G	-50.11	7.2239G	-41.08	3
2.43574G	15.02	-14.98	61.46M	-41.82	2.39992G	-40.48	2.4G	-42.84	2.50798G	-49.05	7.23795G	-41.44	4

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

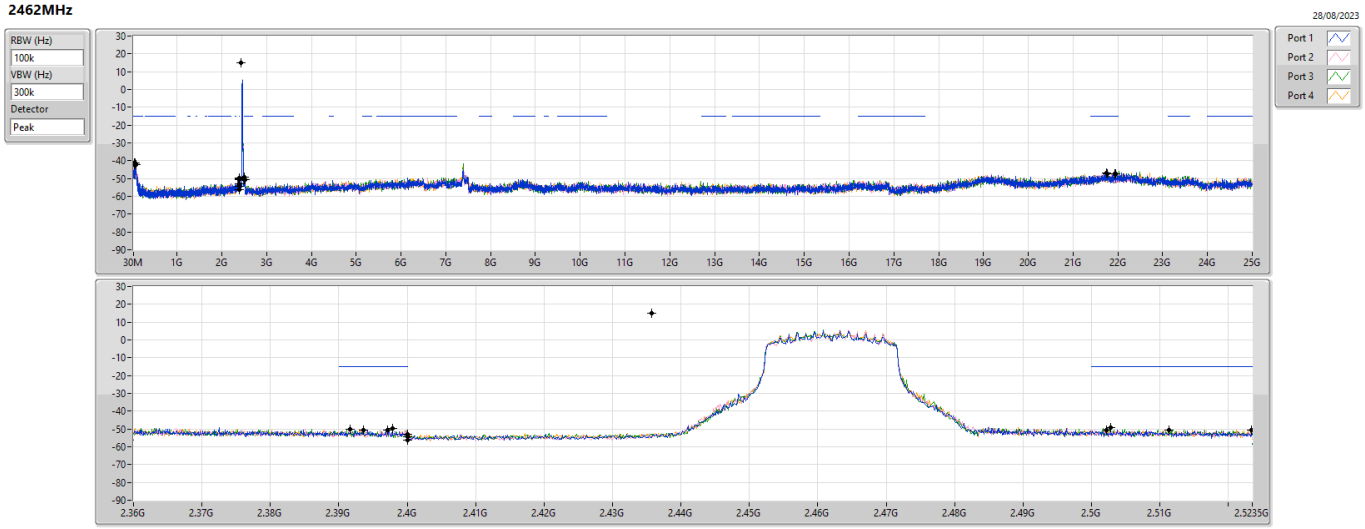
2437MHz



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
2.43574G	15.02	-14.98	35.83M	-39.82	2.39896G	-42.18	2.4G	-45.18	2.50478G	-49.61	21.93477G	-46.75	1
2.43574G	15.02	-14.98	77.77M	-41.24	2.39952G	-42.69	2.4G	-45.58	2.51558G	-50.12	21.66786G	-46.82	2
2.43574G	15.02	-14.98	61.46M	-41.22	2.4G	-41.28	2.4G	-40.82	2.5007G	-48.68	21.67629G	-46.72	3
2.43574G	15.02	-14.98	77.77M	-41.64	2.39936G	-38.47	2.4G	-40.22	2.50374G	-48.52	21.74091G	-46.67	4

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

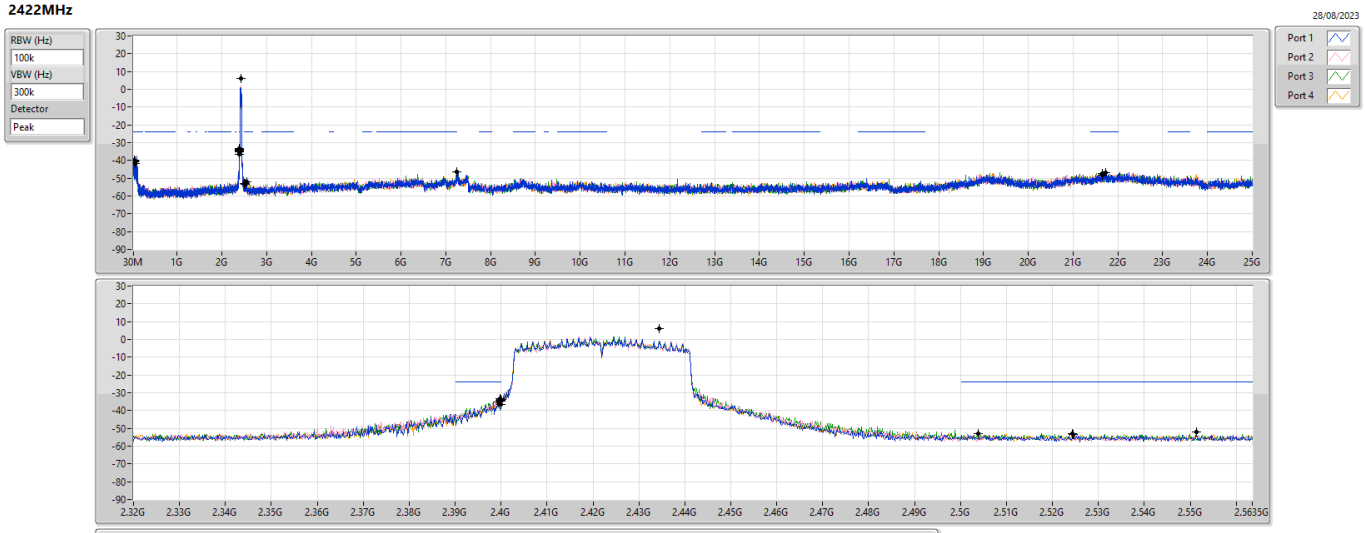
2462MHz



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
2.43574G	15.02	-14.98	60.29M	-41.14	2.39784G	-49.90	2.4G	-54.52	2.50222G	-50.71	21.93477G	-47.55	1
2.43574G	15.02	-14.98	77.77M	-42.16	2.39712G	-50.62	2.4G	-56.31	2.52342G	-50.68	21.7381G	-46.97	2
2.43574G	15.02	-14.98	49.81M	-41.03	2.3936G	-50.42	2.4G	-52.99	2.50278G	-49.34	21.96005G	-47.31	3
2.43574G	15.02	-14.98	49.81M	-42.27	2.39168G	-49.97	2.4G	-54.36	2.51134G	-50.58	21.76057G	-47.39	4

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

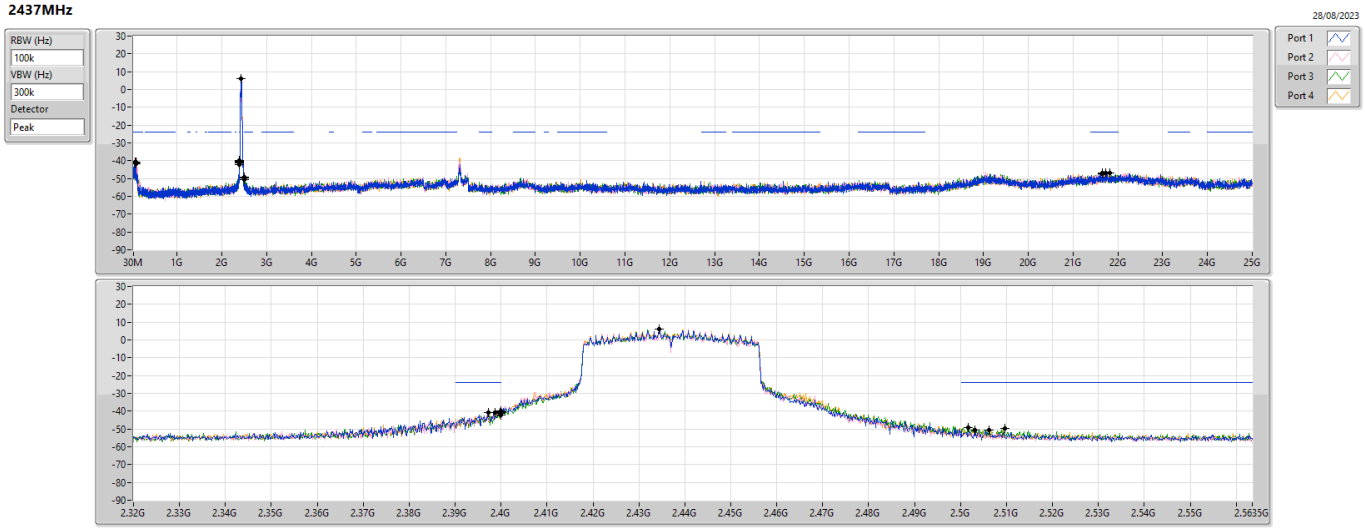
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	6.02	-23.98	49.47M	-39.98	2.39936G	-35.05	2.4G	-36.41	2.55134G	-52.00	7.24151G	-46.57	1
2.4344G	6.02	-23.98	49.47M	-40.73	2.4G	-34.71	2.4G	-33.69	2.50382G	-52.78	21.66257G	-48.15	2
2.4344G	6.02	-23.98	60.92M	-41.63	2.39984G	-34.34	2.4G	-34.36	2.52446G	-53.31	21.64574G	-47.51	3
2.4344G	6.02	-23.98	62.06M	-40.10	2.39984G	-33.21	2.4G	-34.06	2.5243G	-53.02	21.72708G	-46.90	4

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

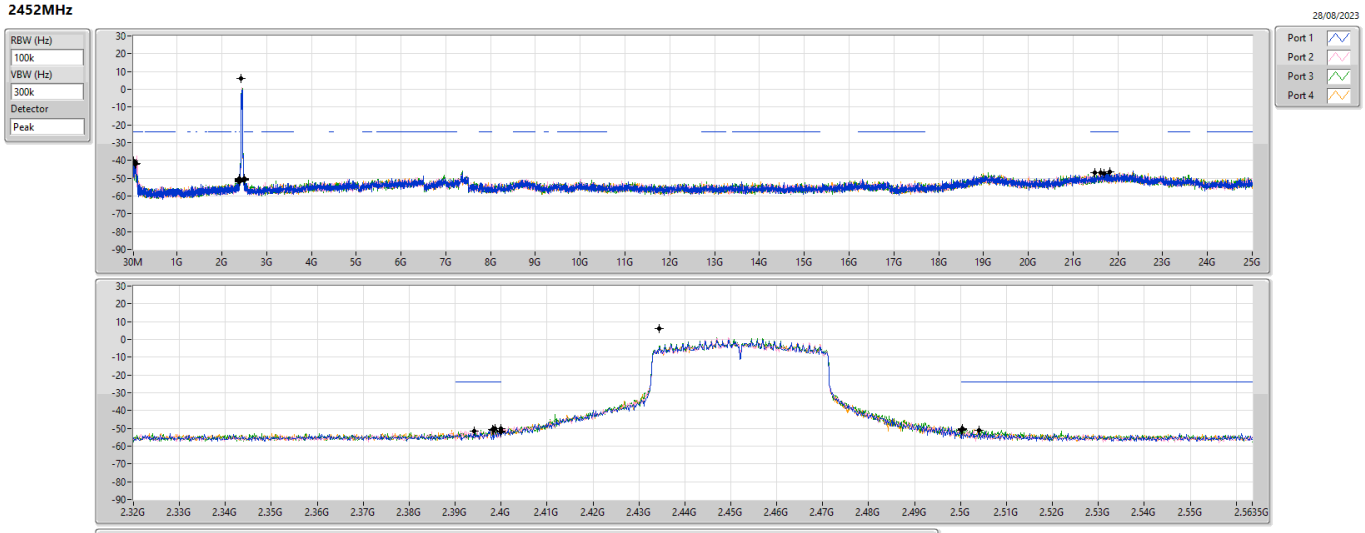
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	6.02	-23.98	89.54M	-40.77	2.39728G	-40.69	2.4G	-40.60	2.50622G	-50.41	21.71866G	-46.67	1
2.4344G	6.02	-23.98	62.06M	-41.20	2.4G	-39.84	2.4G	-40.36	2.50318G	-50.51	21.64855G	-47.48	2
2.4344G	6.02	-23.98	90.69M	-41.79	2.39872G	-40.84	2.4G	-42.01	2.50174G	-49.34	21.64574G	-46.75	3
2.4344G	6.02	-23.98	62.06M	-40.79	2.39984G	-40.61	2.4G	-41.48	2.50958G	-49.64	21.81682G	-47.05	4

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

2452MHz

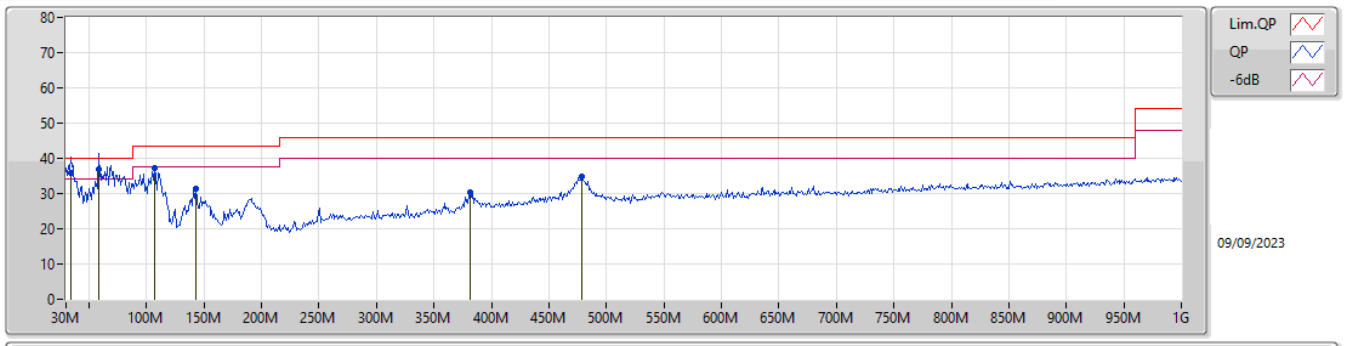


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	6.02	-23.98	36.87M	-40.41	2.39408G	-51.40	2.4G	-52.01	2.50398G	-51.31	21.48308G	-46.66	1
2.4344G	6.02	-23.98	81.53M	-41.78	2.39872G	-50.31	2.4G	-51.34	2.5003G	-51.13	21.69062G	-47.39	2
2.4344G	6.02	-23.98	89.54M	-41.69	2.3984G	-50.86	2.4G	-50.26	2.50046G	-50.00	21.82243G	-46.19	3
2.4344G	6.02	-23.98	60.92M	-42.05	2.39808G	-50.52	2.4G	-51.82	2.50046G	-50.66	21.60928G	-46.96	4

Summary

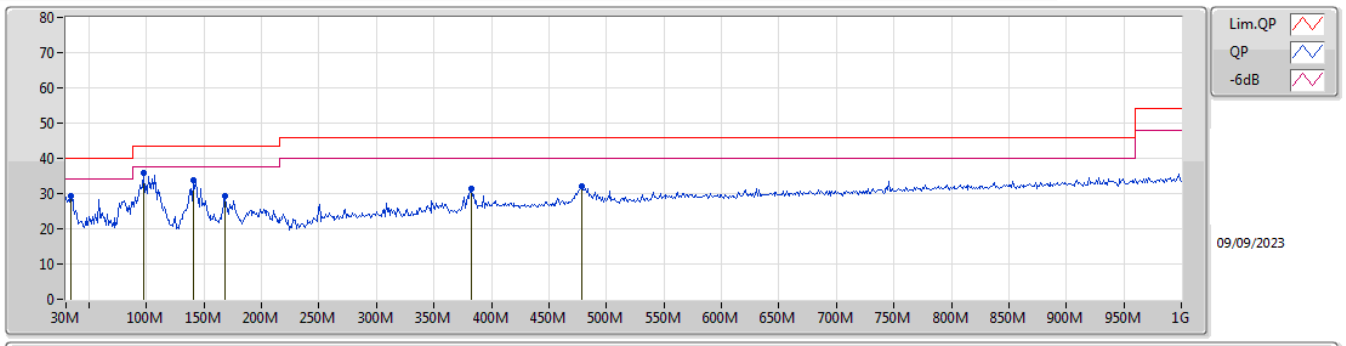
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	58.13M	36.96	40.00	-3.04	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	33.88M	35.86	40.00	-4.14	-8.37	3	Vertical	220	1.00	-	44.23	22.15	1.12	31.64
QP	58.13M	36.96	40.00	-3.04	-18.05	3	Vertical	1	1.00	"Worst"	55.01	12.45	1.40	31.90
PK	106.63M	37.21	43.50	-6.29	-12.41	3	Vertical	182	1.00	-	49.62	17.70	1.84	31.95
PK	142.52M	31.51	43.50	-11.99	-12.91	3	Vertical	194	1.00	-	44.42	16.97	2.10	31.98
PK	381.14M	30.23	46.00	-15.77	-7.77	3	Vertical	210	1.00	-	38.00	20.84	3.56	32.17
PK	479.11M	34.85	46.00	-11.15	-5.22	3	Vertical	360	1.00	-	40.07	23.09	3.99	32.30

Mode 1



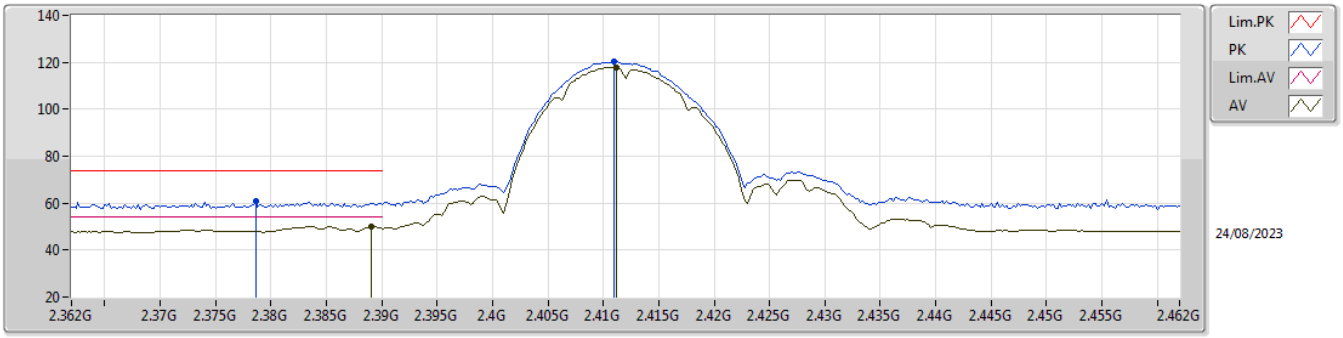
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	33.88M	29.37	40.00	-10.63	-8.37	3	Horizontal	244	1.50	-	37.74	22.15	1.12	31.64
PK	97.9M	35.93	43.50	-7.57	-13.81	3	Horizontal	257	3.00	"Worst"	49.74	16.39	1.77	31.97
PK	140.58M	33.76	43.50	-9.74	-12.80	3	Horizontal	267	2.00	-	46.56	17.09	2.08	31.97
PK	168.71M	29.16	43.50	-14.34	-14.09	3	Horizontal	77	2.00	-	43.25	15.65	2.29	32.03
PK	382.11M	31.37	46.00	-14.63	-7.73	3	Horizontal	144	1.00	-	39.10	20.88	3.56	32.17
PK	479.11M	32.07	46.00	-13.93	-5.22	3	Horizontal	288	1.50	-	37.29	23.09	3.99	32.30

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	2.3898G	53.90	54.00	-0.10	3	Vertical	15	1.80	-

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

2412MHz_TX

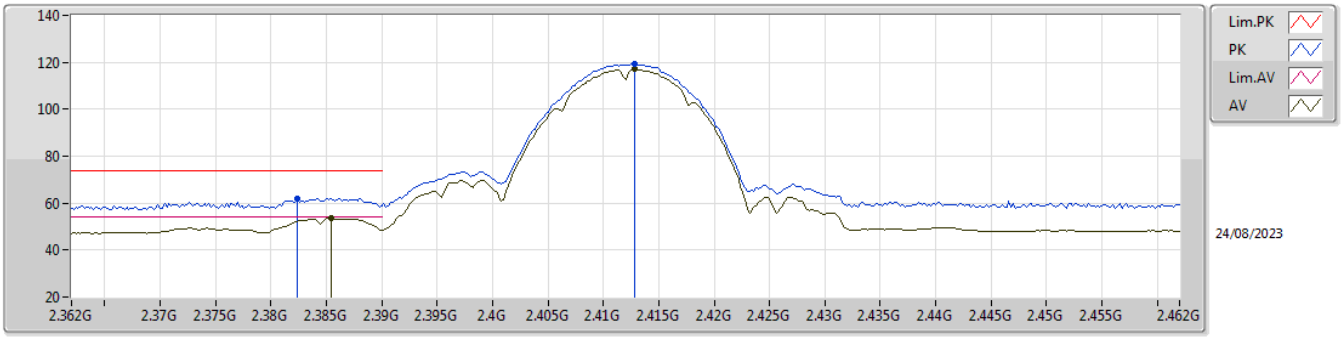


EUT Y_4TX
Setting 20.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3786G	60.63	74.00	-13.37	29.29	3	Vertical	13	1.00	-	27.76	3.58	-
AV	2.389G	50.05	54.00	-3.95	18.68	3	Vertical	13	1.00	-	27.78	3.59	-
PK	2.411G	120.26	Inf	-Inf	88.83	3	Vertical	13	1.00	-	27.82	3.61	-
AV	2.4112G	117.85	Inf	-Inf	86.42	3	Vertical	13	1.00	-	27.82	3.61	-

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

2412MHz_TX

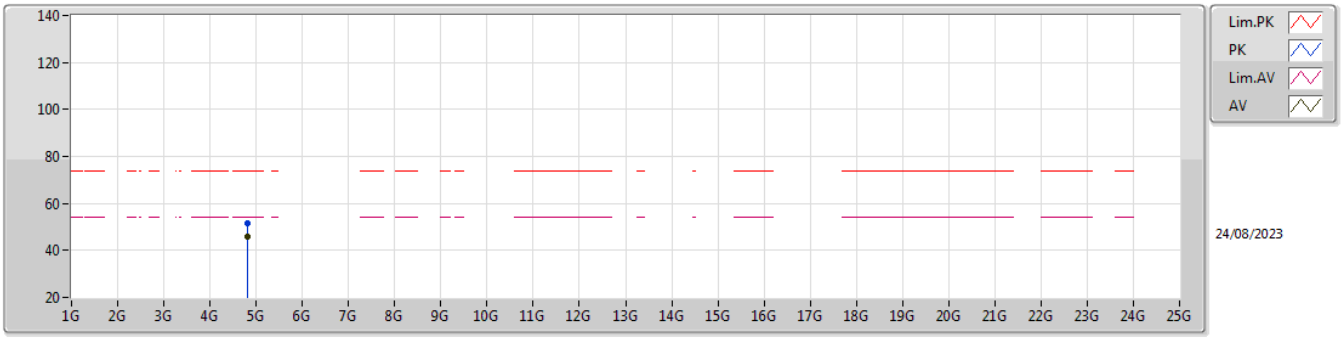


EUT Y_4TX
Setting 20.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3824G	61.94	74.00	-12.06	30.60	3	Horizontal	76	3.00	-	27.76	3.58	-
AV	2.3854G	53.85	54.00	-0.15	22.49	3	Horizontal	76	3.00	-	27.77	3.59	-
PK	2.4128G	119.40	Inf	-Inf	87.96	3	Horizontal	76	3.00	-	27.83	3.61	-
AV	2.4128G	117.03	Inf	-Inf	85.59	3	Horizontal	76	3.00	-	27.83	3.61	-

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

2412MHz_TX

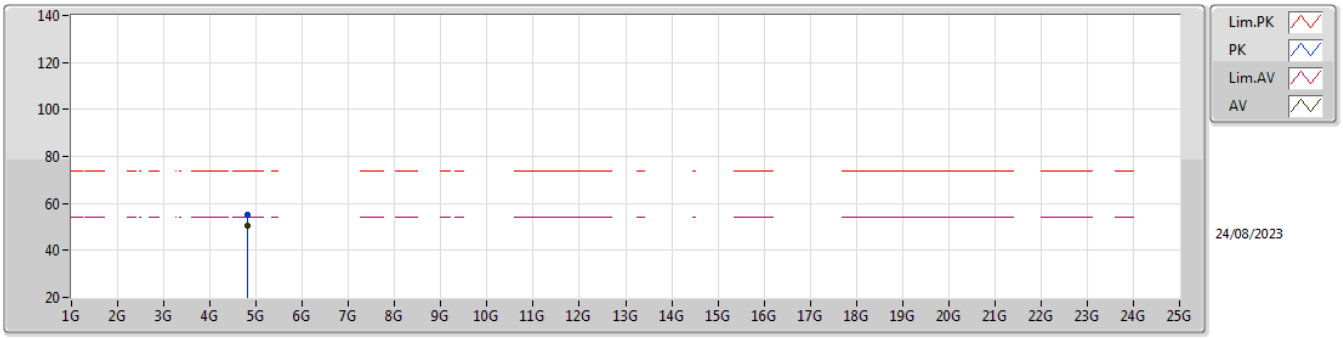


EUT Y_4TX
Setting 20.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82392G	51.79	74.00	-22.21	46.20	3	Vertical	291	2.27	-	32.84	5.72	32.97
AV	4.82396G	45.85	54.00	-8.15	40.26	3	Vertical	291	2.27	-	32.84	5.72	32.97

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

2412MHz_TX

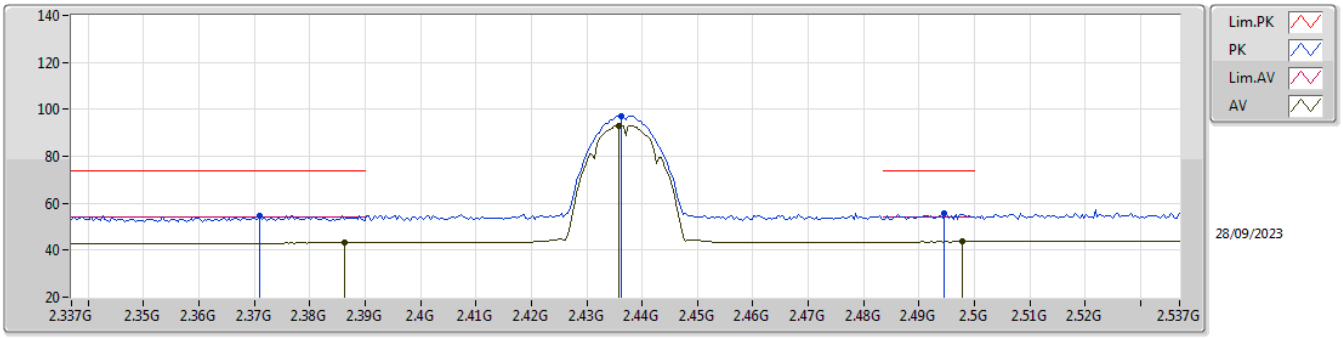


EUT Y_4TX
Setting 20.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82408G	55.01	74.00	-18.99	49.42	3	Horizontal	222	1.80	-	32.84	5.72	32.97
AV	4.82396G	50.75	54.00	-3.25	45.16	3	Horizontal	222	1.80	-	32.84	5.72	32.97

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

2437MHz_TX

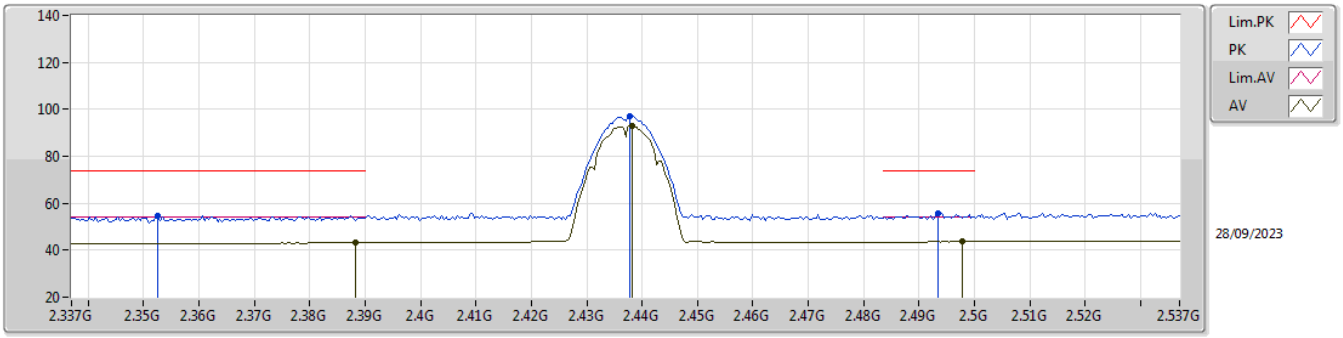


EUT Y_4TX
Setting 20.5
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.371G	54.82	74.00	-19.18	23.32	3	Vertical	353	2.40	-	28.31	3.19	-
AV	2.3862G	43.22	54.00	-10.78	11.63	3	Vertical	353	2.40	-	28.40	3.19	-
PK	2.4362G	97.31	Inf	-Inf	65.65	3	Vertical	353	2.40	-	28.44	3.22	-
AV	2.4358G	93.17	Inf	-Inf	61.51	3	Vertical	353	2.40	-	28.44	3.22	-
PK	2.4946G	55.47	74.00	-18.53	23.67	3	Vertical	353	2.40	-	28.55	3.25	-
AV	2.4978G	43.69	54.00	-10.31	11.86	3	Vertical	353	2.40	-	28.58	3.25	-

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

2437MHz_TX

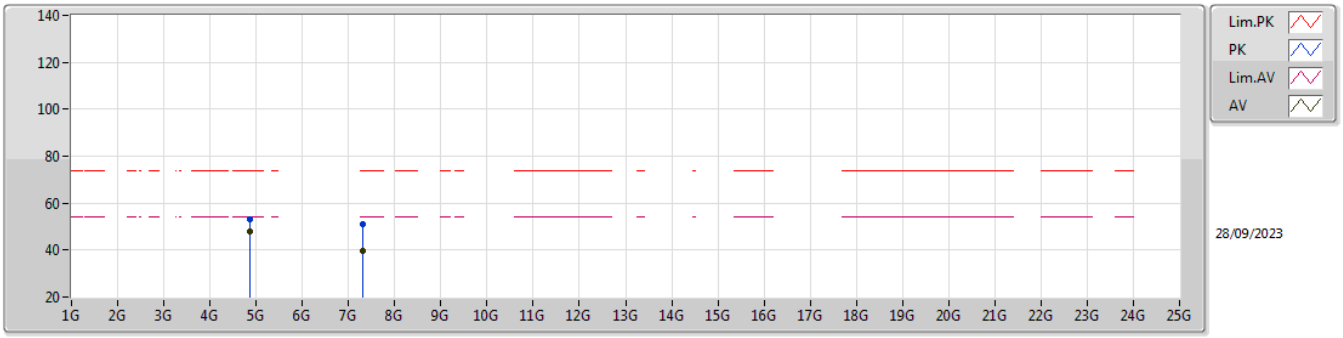


EUT Y_4TX
Setting 20.5
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3526G	54.90	74.00	-19.10	23.52	3	Horizontal	52	2.08	-	28.20	3.18	-
AV	2.3882G	43.25	54.00	-10.75	11.66	3	Horizontal	52	2.08	-	28.40	3.19	-
PK	2.4378G	97.11	Inf	-Inf	65.47	3	Horizontal	52	2.08	-	28.42	3.22	-
AV	2.4382G	92.88	Inf	-Inf	61.24	3	Horizontal	52	2.08	-	28.42	3.22	-
PK	2.4934G	55.57	74.00	-18.43	23.79	3	Horizontal	52	2.08	-	28.53	3.25	-
AV	2.4978G	43.71	54.00	-10.29	11.88	3	Horizontal	52	2.08	-	28.58	3.25	-

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

2437MHz_TX

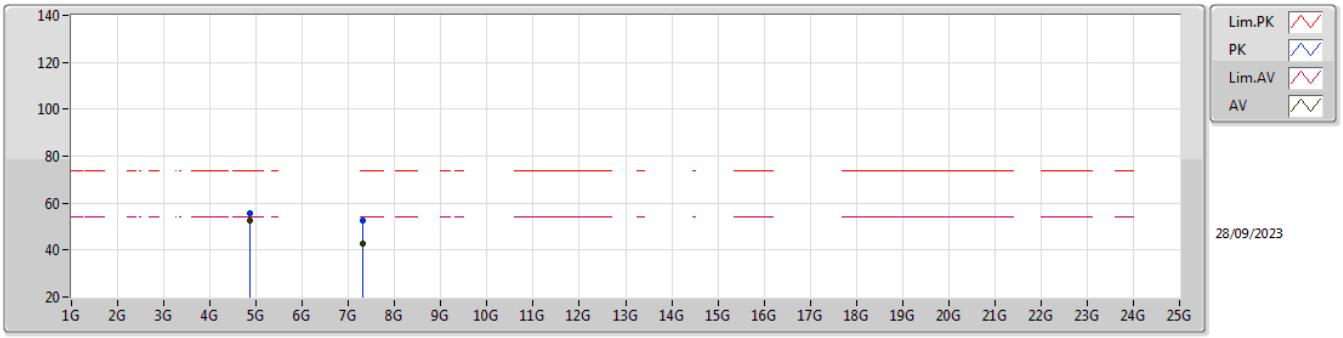


EUT Y_4TX
Setting 20.5
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.874G	53.05	74.00	-20.95	44.90	3	Vertical	62	2.53	-	33.15	5.64	30.64
AV	4.874G	47.73	54.00	-6.27	39.58	3	Vertical	62	2.53	-	33.15	5.64	30.64
PK	7.31028G	51.21	74.00	-22.79	39.86	3	Vertical	116	2.44	-	36.62	6.84	32.11
AV	7.31178G	39.50	54.00	-14.50	28.15	3	Vertical	116	2.44	-	36.62	6.84	32.11

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

2437MHz_TX

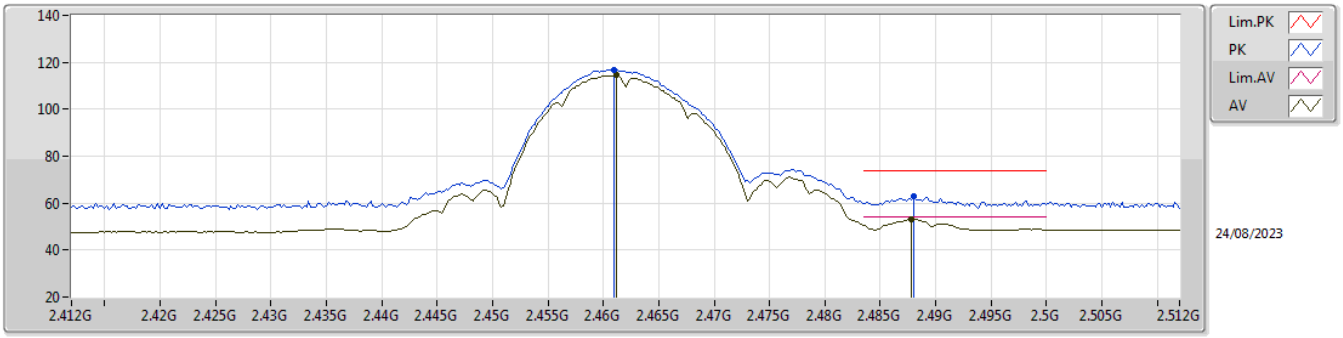


EUT Y_4TX
Setting 20.5
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87394G	55.75	74.00	-18.25	47.60	3	Horizontal	222	1.80	-	33.15	5.64	30.64
AV	4.87394G	52.76	54.00	-1.24	44.61	3	Horizontal	222	1.80	-	33.15	5.64	30.64
PK	7.30962G	52.77	74.00	-21.23	41.41	3	Horizontal	106	1.90	-	36.62	6.85	32.11
AV	7.3122G	42.86	54.00	-11.14	31.51	3	Horizontal	106	1.90	-	36.62	6.84	32.11

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

2462MHz_TX

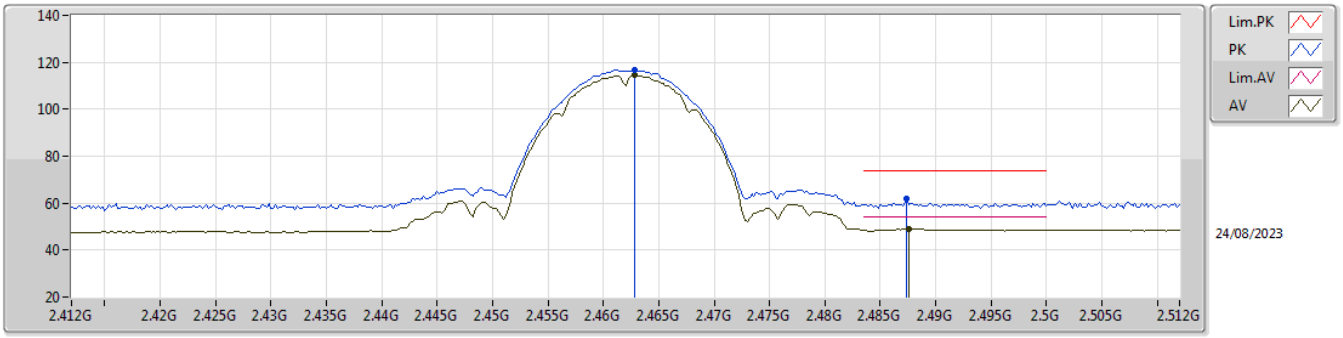


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	116.89	Inf	-Inf	85.29	3	Vertical	80	2.01	-	27.97	3.63	-
AV	2.4612G	114.44	Inf	-Inf	82.84	3	Vertical	80	2.01	-	27.97	3.63	-
PK	2.488G	62.68	74.00	-11.32	30.91	3	Vertical	80	2.01	-	28.13	3.64	-
AV	2.4878G	53.18	54.00	-0.82	21.41	3	Vertical	80	2.01	-	28.13	3.64	-

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

2462MHz_TX

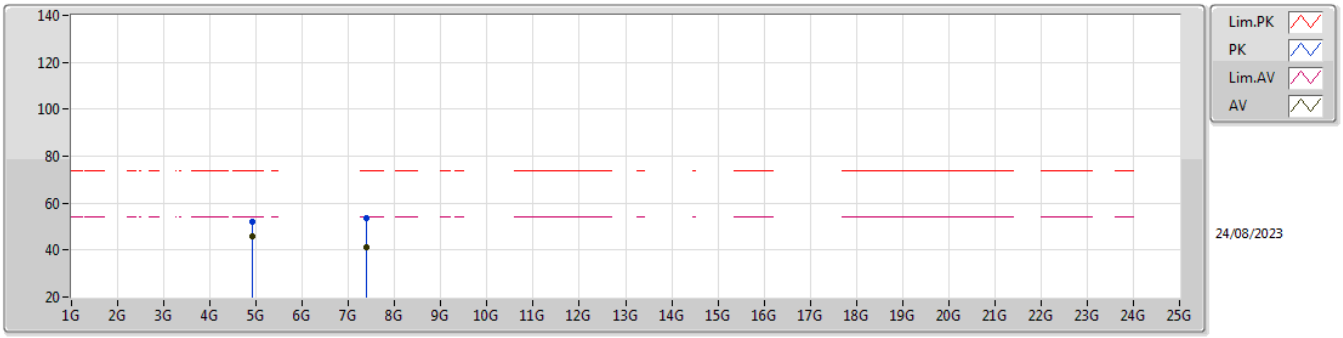


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	116.79	Inf	-Inf	85.18	3	Horizontal	50	1.80	-	27.98	3.63	-
AV	2.4628G	114.41	Inf	-Inf	82.80	3	Horizontal	50	1.80	-	27.98	3.63	-
PK	2.4874G	61.71	74.00	-12.29	29.95	3	Horizontal	50	1.80	-	28.12	3.64	-
AV	2.4876G	48.94	54.00	-5.06	17.17	3	Horizontal	50	1.80	-	28.13	3.64	-

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

2462MHz_TX

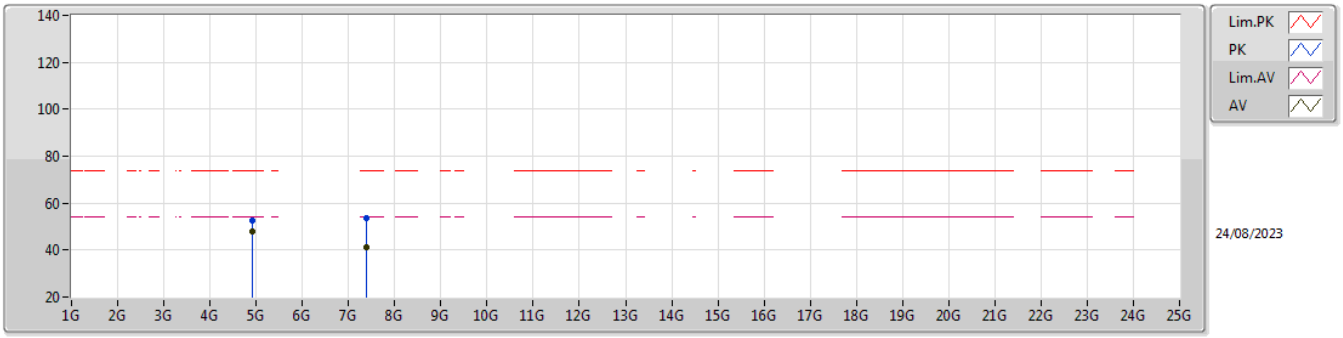


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92396G	52.19	74.00	-21.81	46.32	3	Vertical	282	2.08	-	33.00	5.82	32.95
AV	4.924G	45.64	54.00	-8.36	39.77	3	Vertical	282	2.08	-	33.00	5.82	32.95
PK	7.384G	53.80	74.00	-20.20	42.21	3	Vertical	108	1.78	-	37.53	7.19	33.13
AV	7.38448G	41.29	54.00	-12.71	29.70	3	Vertical	108	1.78	-	37.53	7.19	33.13

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

2462MHz_TX

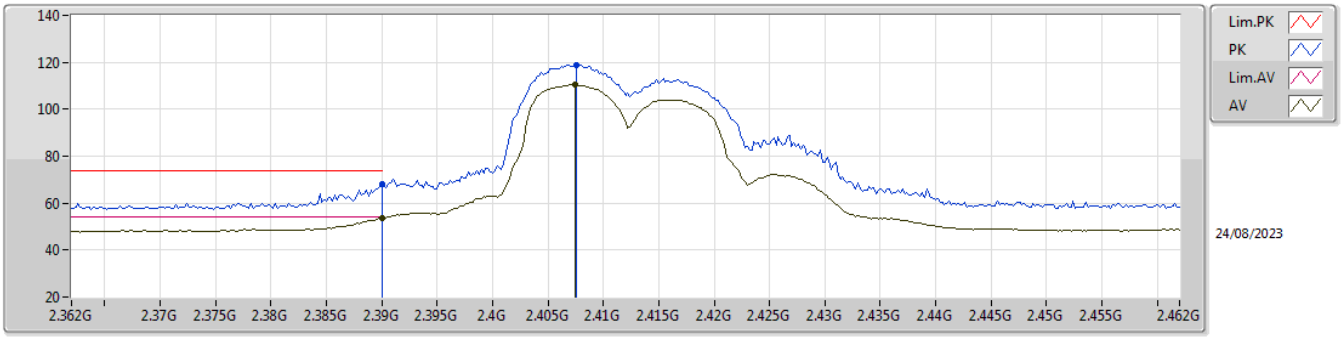


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92396G	52.71	74.00	-21.29	46.84	3	Horizontal	215	2.43	-	33.00	5.82	32.95
AV	4.92396G	47.91	54.00	-6.09	42.04	3	Horizontal	215	2.43	-	33.00	5.82	32.95
PK	7.3804G	53.59	74.00	-20.41	41.98	3	Horizontal	289	1.80	-	37.54	7.19	33.12
AV	7.38472G	41.10	54.00	-12.90	29.51	3	Horizontal	289	1.80	-	37.53	7.19	33.13

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

2412MHz_TX

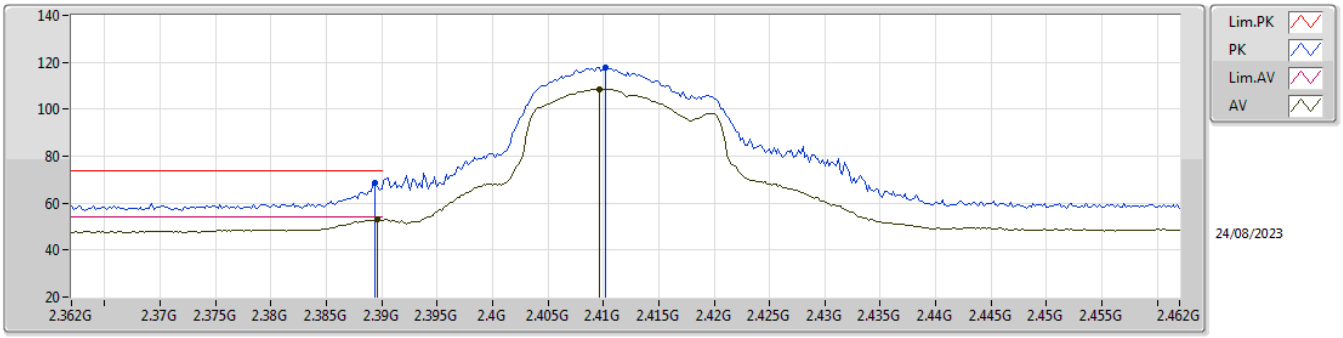


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	68.13	74.00	-5.87	36.76	3	Vertical	5	1.07	-	27.78	3.59	-
AV	2.39G	53.65	54.00	-0.35	22.28	3	Vertical	5	1.07	-	27.78	3.59	-
PK	2.4076G	118.73	Inf	-Inf	87.31	3	Vertical	5	1.07	-	27.82	3.60	-
AV	2.4074G	110.34	Inf	-Inf	78.93	3	Vertical	5	1.07	-	27.81	3.60	-

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

2412MHz_TX

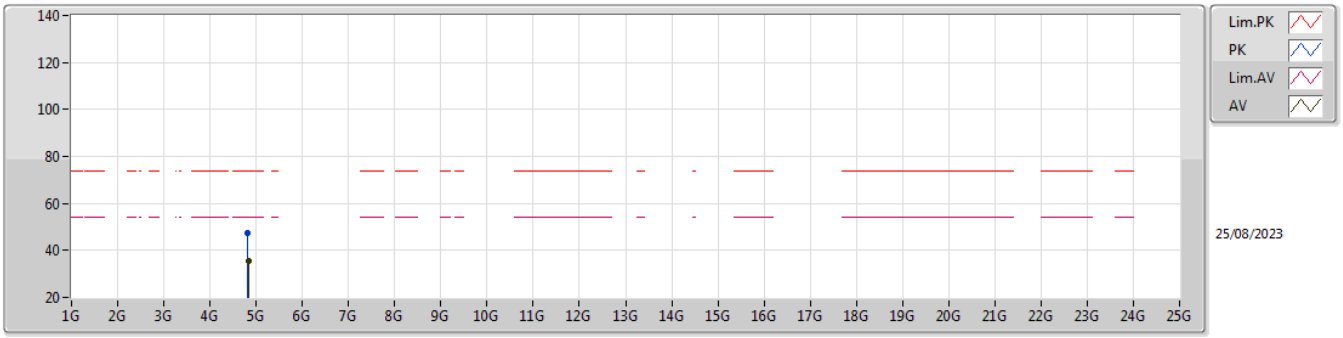


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	68.50	74.00	-5.50	37.13	3	Horizontal	62	1.80	-	27.78	3.59	-
AV	2.3896G	52.98	54.00	-1.02	21.61	3	Horizontal	62	1.80	-	27.78	3.59	-
PK	2.4102G	117.76	Inf	-Inf	86.33	3	Horizontal	62	1.80	-	27.82	3.61	-
AV	2.4096G	108.45	Inf	-Inf	77.03	3	Horizontal	62	1.80	-	27.82	3.60	-

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

2412MHz_TX

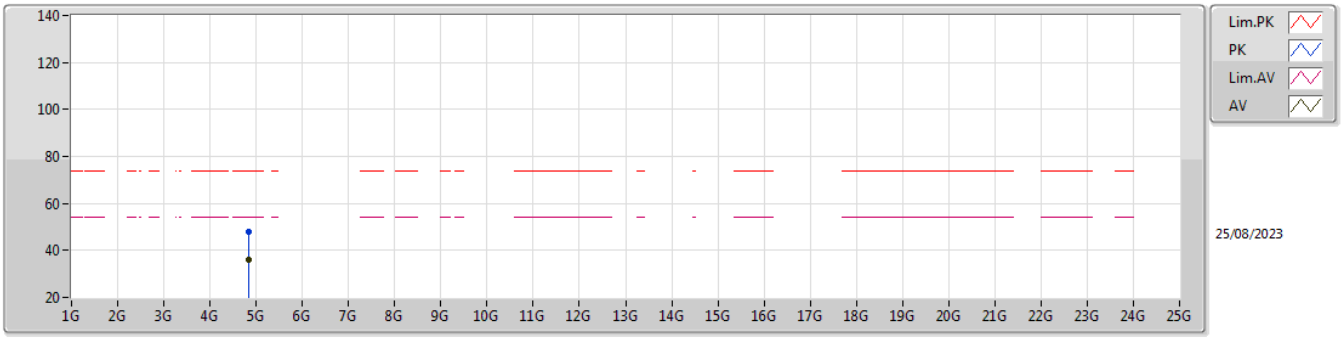


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82208G	47.17	74.00	-26.83	41.59	3	Vertical	157	1.71	-	32.83	5.72	32.97
AV	4.83072G	35.51	54.00	-18.49	29.87	3	Vertical	157	1.71	-	32.88	5.73	32.97

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

2412MHz_TX

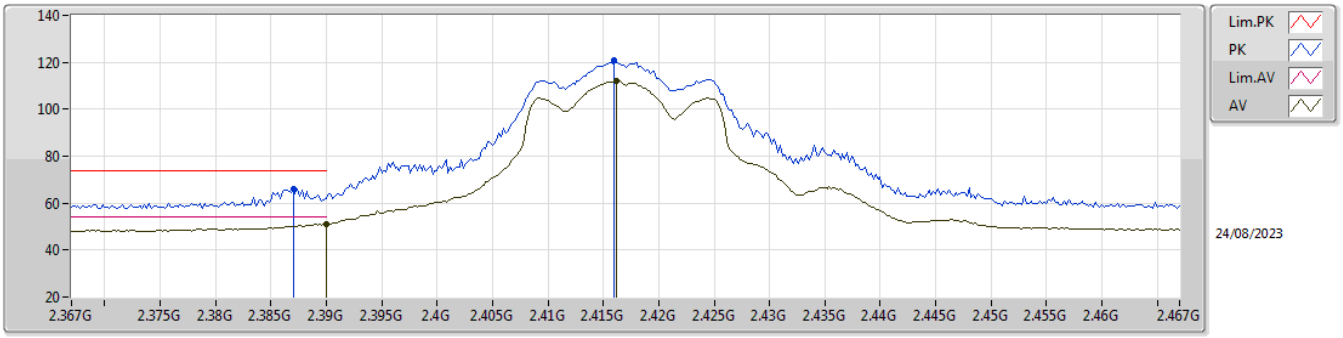


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8296G	48.11	74.00	-25.89	42.47	3	Horizontal	33	2.70	-	32.88	5.73	32.97
AV	4.82604G	35.99	54.00	-18.01	30.37	3	Horizontal	33	2.70	-	32.86	5.73	32.97

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

2417MHz_TX

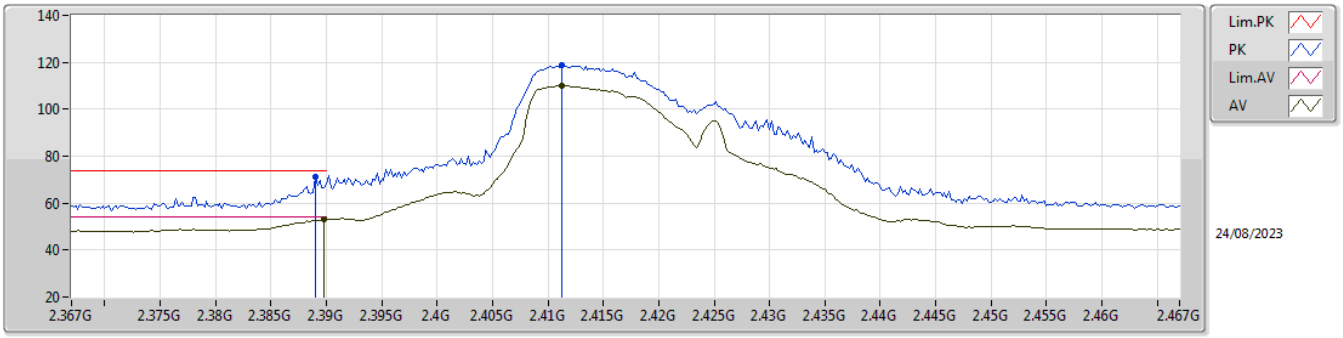


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.387G	66.29	74.00	-7.71	34.93	3	Vertical	357	1.04	-	27.77	3.59	-
AV	2.39G	50.98	54.00	-3.02	19.61	3	Vertical	357	1.04	-	27.78	3.59	-
PK	2.416G	121.01	Inf	-Inf	89.57	3	Vertical	357	1.04	-	27.83	3.61	-
AV	2.4162G	111.98	Inf	-Inf	80.54	3	Vertical	357	1.04	-	27.83	3.61	-

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

2417MHz_TX

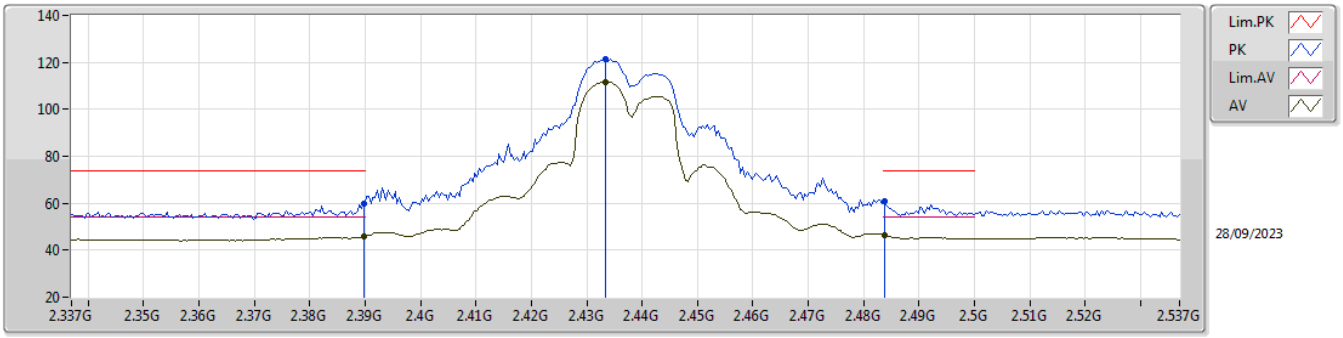


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	71.25	74.00	-2.75	39.88	3	Horizontal	65	2.02	-	27.78	3.59	-
AV	2.3898G	53.25	54.00	-0.75	21.88	3	Horizontal	65	2.02	-	27.78	3.59	-
PK	2.4112G	118.99	Inf	-Inf	87.56	3	Horizontal	65	2.02	-	27.82	3.61	-
AV	2.4112G	109.97	Inf	-Inf	78.54	3	Horizontal	65	2.02	-	27.82	3.61	-

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

2437MHz_TX

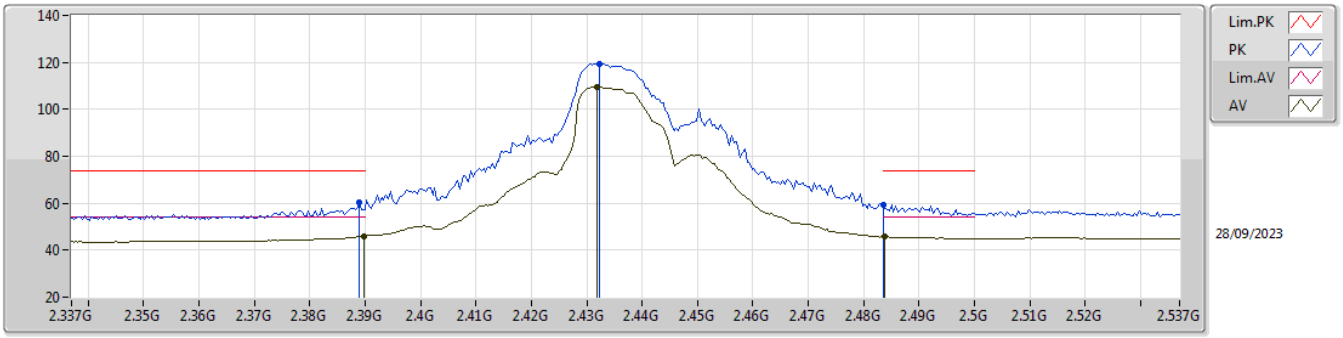


EUT Y_4TX
Setting 21
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	59.64	74.00	-14.36	28.05	3	Vertical	329	2.09	-	28.40	3.19	-
AV	2.3898G	45.97	54.00	-8.03	14.38	3	Vertical	329	2.09	-	28.40	3.19	-
PK	2.4334G	121.55	Inf	-Inf	89.86	3	Vertical	329	2.09	-	28.47	3.22	-
AV	2.4334G	111.79	Inf	-Inf	80.10	3	Vertical	329	2.09	-	28.47	3.22	-
PK	2.4838G	60.88	74.00	-13.12	29.14	3	Vertical	329	2.09	-	28.50	3.24	-
AV	2.4838G	46.41	54.00	-7.59	14.67	3	Vertical	329	2.09	-	28.50	3.24	-

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

2437MHz_TX

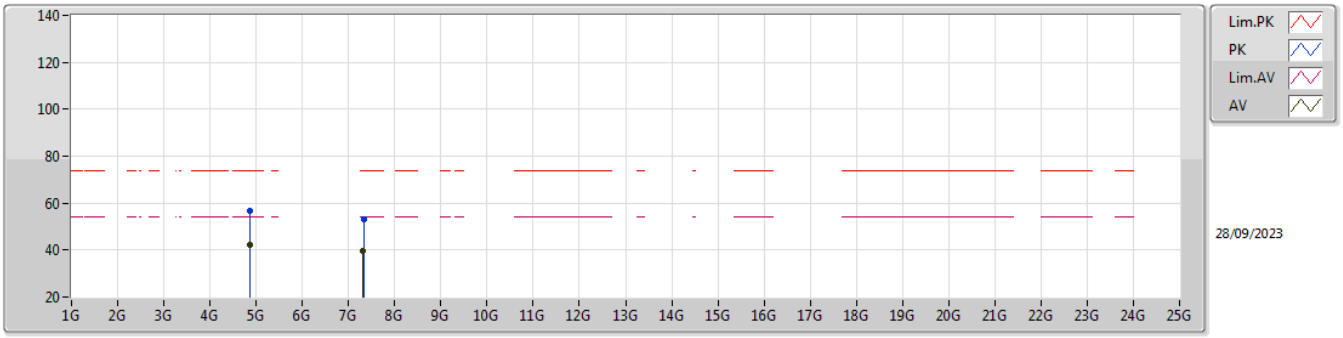


EUT Y_4TX
Setting 21
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	60.12	74.00	-13.88	28.53	3	Horizontal	65	1.80	-	28.40	3.19	-
AV	2.3898G	46.09	54.00	-7.91	14.50	3	Horizontal	65	1.80	-	28.40	3.19	-
PK	2.4322G	119.32	Inf	-Inf	87.62	3	Horizontal	65	1.80	-	28.48	3.22	-
AV	2.4318G	109.51	Inf	-Inf	77.81	3	Horizontal	65	1.80	-	28.48	3.22	-
PK	2.4835G	59.25	74.00	-14.75	27.51	3	Horizontal	65	1.80	-	28.50	3.24	-
AV	2.4838G	45.90	54.00	-8.10	14.16	3	Horizontal	65	1.80	-	28.50	3.24	-

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

2437MHz_TX

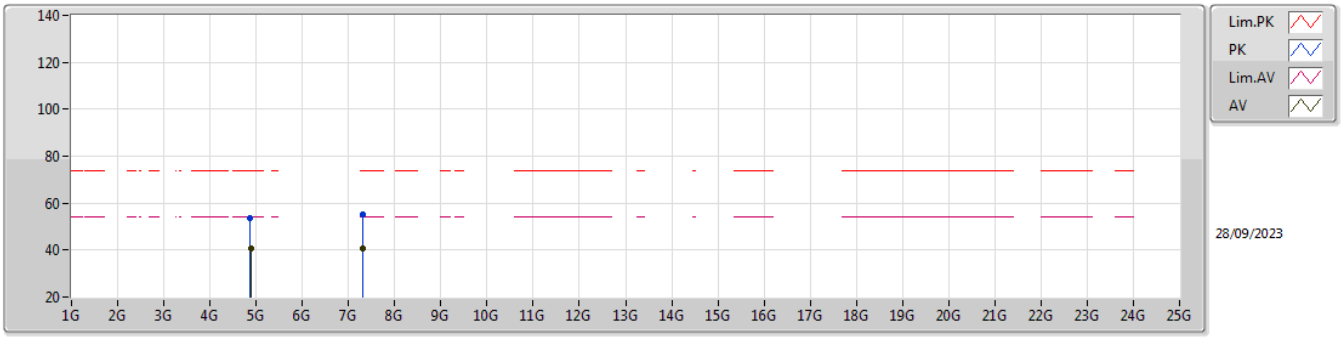


EUT Y_4TX
Setting 21
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87076G	56.62	74.00	-17.38	48.49	3	Vertical	85	2.68	-	33.14	5.64	30.65
AV	4.87106G	42.05	54.00	-11.95	33.92	3	Vertical	85	2.68	-	33.14	5.64	30.65
PK	7.32258G	53.23	74.00	-20.77	41.86	3	Vertical	61	2.87	-	36.65	6.84	32.12
AV	7.30554G	39.67	54.00	-14.33	28.32	3	Vertical	61	2.87	-	36.61	6.85	32.11

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

2437MHz_TX

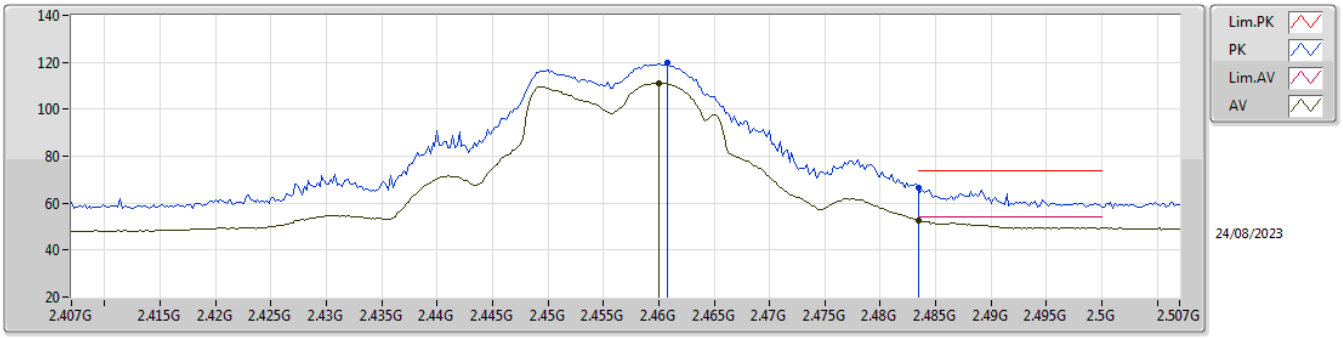


EUT Y_4TX
Setting 21
02-E-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87676G	53.50	74.00	-20.50	45.35	3	Horizontal	262	1.79	-	33.15	5.64	30.64
AV	4.87796G	40.56	54.00	-13.44	32.40	3	Horizontal	262	1.79	-	33.16	5.64	30.64
PK	7.3077G	54.93	74.00	-19.07	43.57	3	Horizontal	292	2.02	-	36.62	6.85	32.11
AV	7.30704G	40.48	54.00	-13.52	29.13	3	Horizontal	292	2.02	-	36.61	6.85	32.11

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

2457MHz_TX

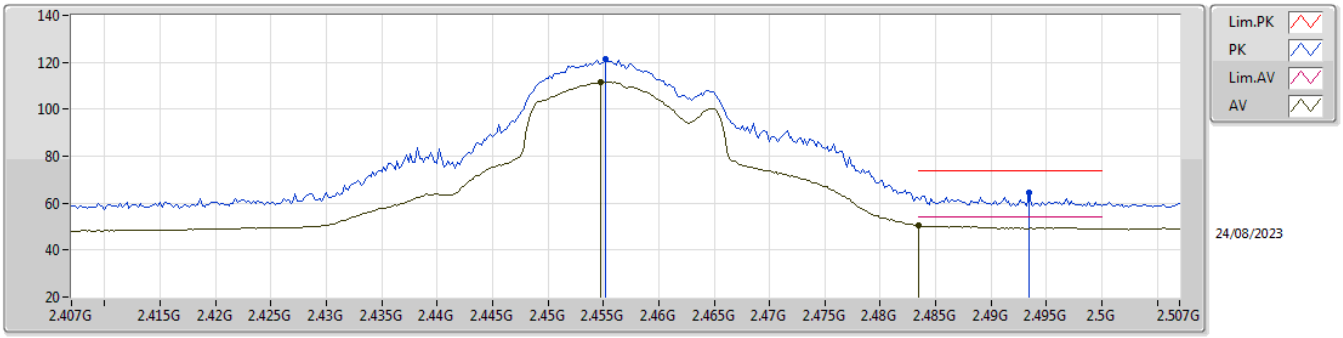


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4608G	119.75	Inf	-Inf	88.16	3	Vertical	56	1.80	-	27.96	3.63	-
AV	2.46G	111.13	Inf	-Inf	79.54	3	Vertical	56	1.80	-	27.96	3.63	-
PK	2.4835G	66.62	74.00	-7.38	34.88	3	Vertical	56	1.80	-	28.10	3.64	-
AV	2.4835G	52.83	54.00	-1.17	21.09	3	Vertical	56	1.80	-	28.10	3.64	-

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

2457MHz_TX

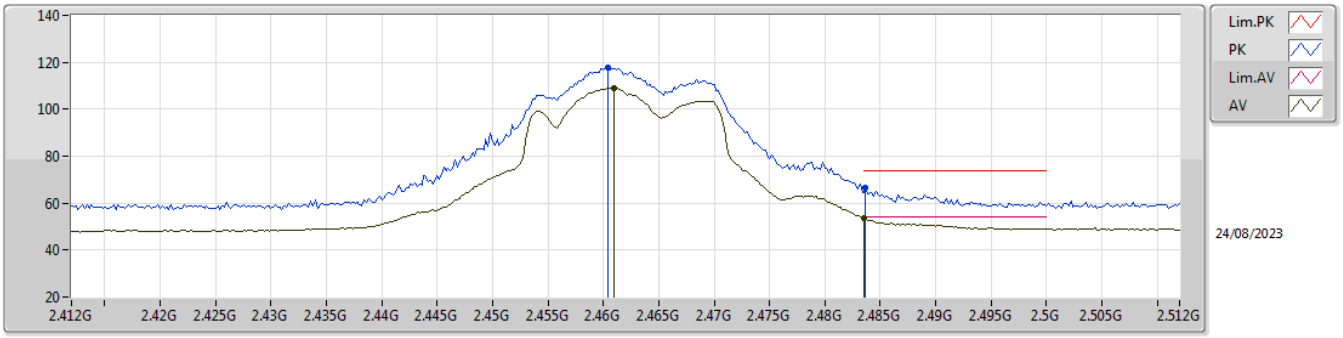


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4552G	121.21	Inf	-Inf	89.65	3	Horizontal	62	1.80	-	27.93	3.63	-
AV	2.4548G	111.44	Inf	-Inf	79.88	3	Horizontal	62	1.80	-	27.93	3.63	-
PK	2.4934G	64.59	74.00	-9.41	32.78	3	Horizontal	62	1.80	-	28.16	3.65	-
AV	2.4835G	50.49	54.00	-3.51	18.75	3	Horizontal	62	1.80	-	28.10	3.64	-

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

2462MHz_TX

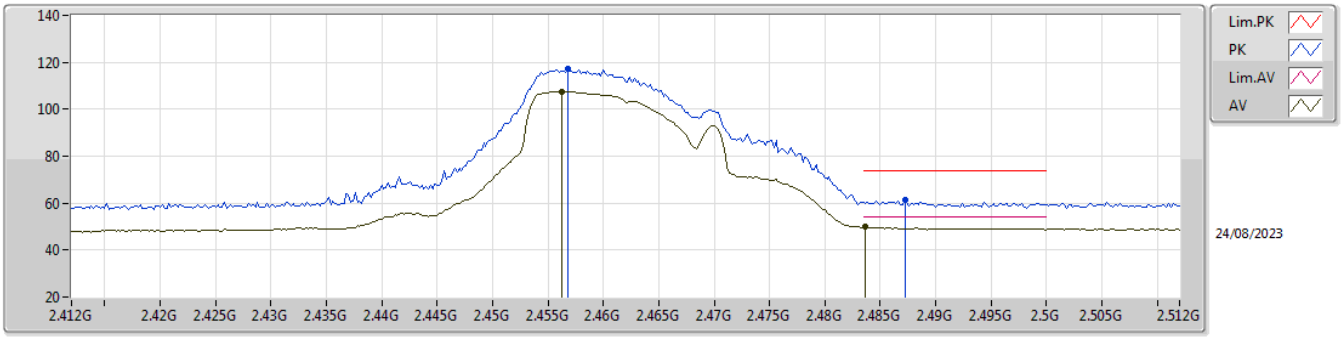


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4604G	117.52	Inf	-Inf	85.93	3	Vertical	345	1.50	-	27.96	3.63	-
AV	2.461G	108.99	Inf	-Inf	77.39	3	Vertical	345	1.50	-	27.97	3.63	-
PK	2.4836G	66.42	74.00	-7.58	34.68	3	Vertical	345	1.50	-	28.10	3.64	-
AV	2.4835G	53.59	54.00	-0.41	21.85	3	Vertical	345	1.50	-	28.10	3.64	-

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

2462MHz_TX

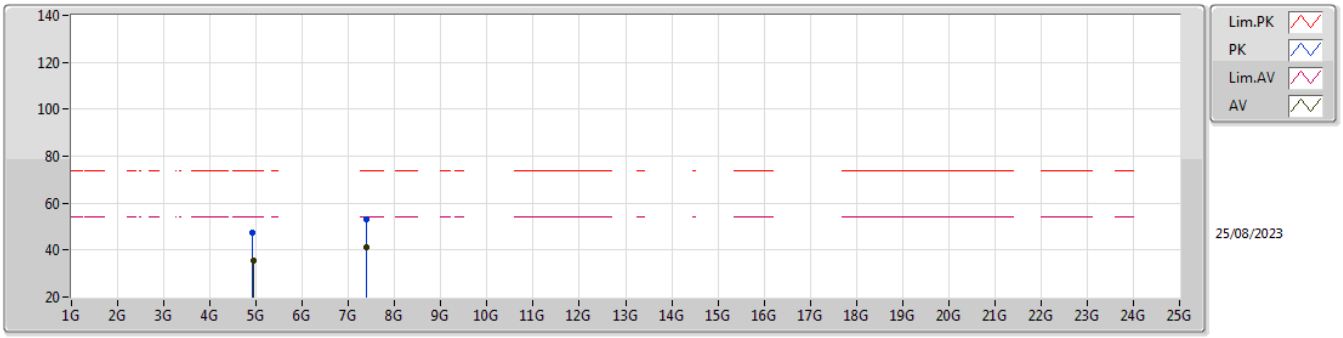


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4568G	117.06	Inf	-Inf	85.49	3	Horizontal	62	1.85	-	27.94	3.63	-
AV	2.4562G	107.62	Inf	-Inf	76.05	3	Horizontal	62	1.85	-	27.94	3.63	-
PK	2.4872G	61.18	74.00	-12.82	29.42	3	Horizontal	62	1.85	-	28.12	3.64	-
AV	2.4836G	49.85	54.00	-4.15	18.11	3	Horizontal	62	1.85	-	28.10	3.64	-

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

2462MHz_TX

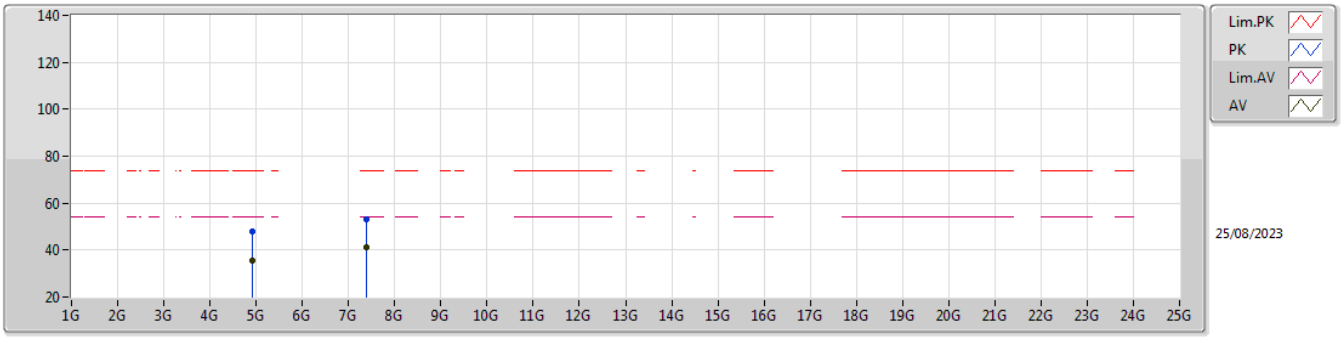


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9242G	47.53	74.00	-26.47	41.66	3	Vertical	157	2.23	-	33.00	5.82	32.95
AV	4.9336G	35.39	54.00	-18.61	29.50	3	Vertical	157	2.23	-	33.00	5.83	32.94
PK	7.38192G	53.21	74.00	-20.79	41.60	3	Vertical	218	2.51	-	37.54	7.19	33.12
AV	7.38196G	41.43	54.00	-12.57	29.82	3	Vertical	218	2.51	-	37.54	7.19	33.12

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

2462MHz_TX

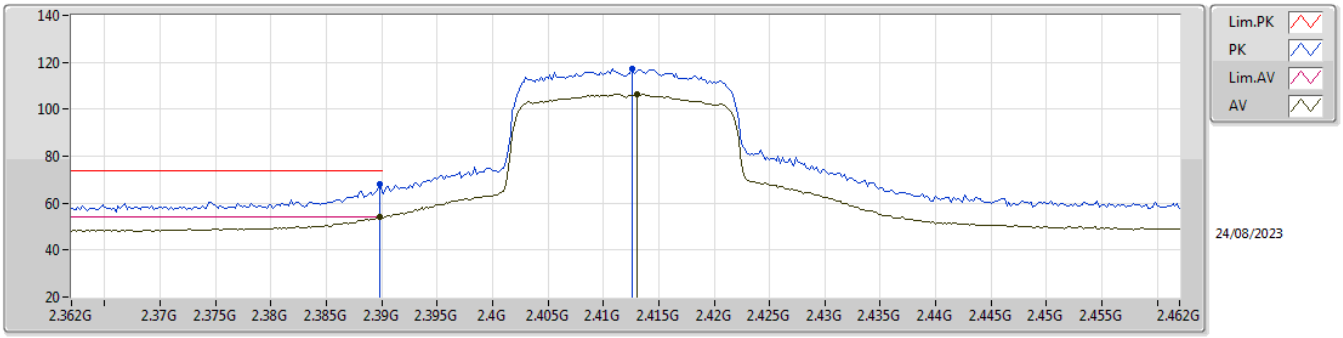


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92556G	47.70	74.00	-26.30	41.82	3	Horizontal	187	1.65	-	33.00	5.83	32.95
AV	4.92G	35.45	54.00	-18.55	29.58	3	Horizontal	187	1.65	-	33.00	5.82	32.95
PK	7.38296G	52.86	74.00	-21.14	41.26	3	Horizontal	263	1.90	-	37.53	7.19	33.12
AV	7.377G	41.42	54.00	-12.58	29.80	3	Horizontal	263	1.90	-	37.55	7.19	33.12

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

2412MHz_TX

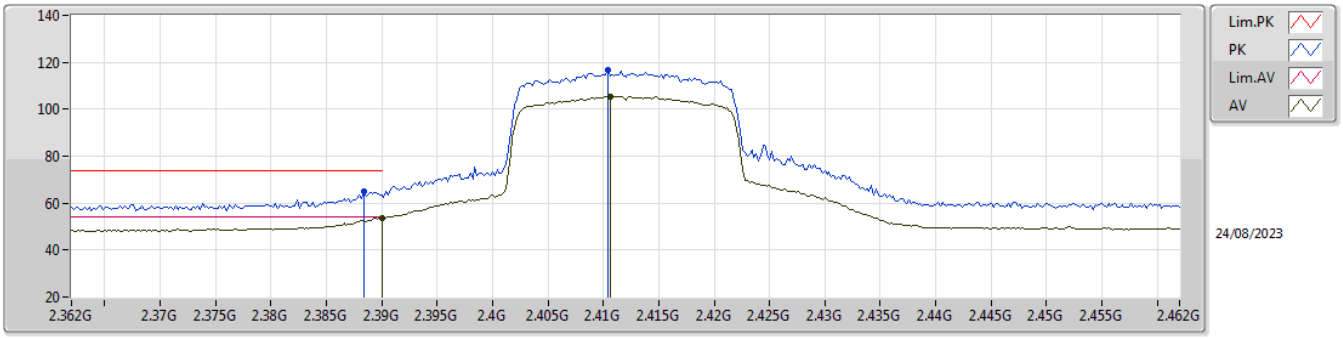


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.06	74.00	-5.94	36.69	3	Vertical	15	1.80	-	27.78	3.59	-
AV	2.3898G	53.90	54.00	-0.10	22.53	3	Vertical	15	1.80	-	27.78	3.59	-
PK	2.4126G	117.22	Inf	-Inf	85.78	3	Vertical	15	1.80	-	27.83	3.61	-
AV	2.413G	106.53	Inf	-Inf	75.09	3	Vertical	15	1.80	-	27.83	3.61	-

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

2412MHz_TX

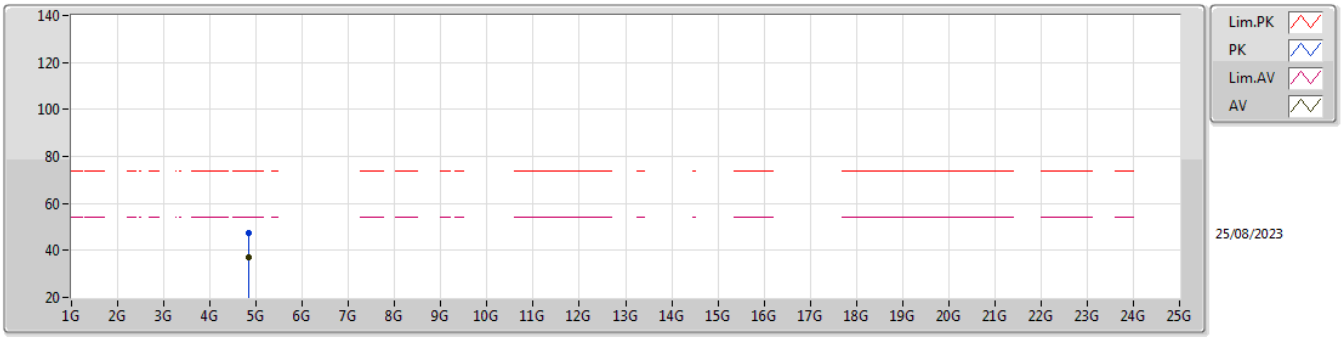


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	65.08	74.00	-8.92	33.71	3	Horizontal	61	1.96	-	27.78	3.59	-
AV	2.39G	53.65	54.00	-0.35	22.28	3	Horizontal	61	1.96	-	27.78	3.59	-
PK	2.4104G	116.55	Inf	-Inf	85.12	3	Horizontal	61	1.96	-	27.82	3.61	-
AV	2.4106G	105.38	Inf	-Inf	73.95	3	Horizontal	61	1.96	-	27.82	3.61	-

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

2412MHz_TX

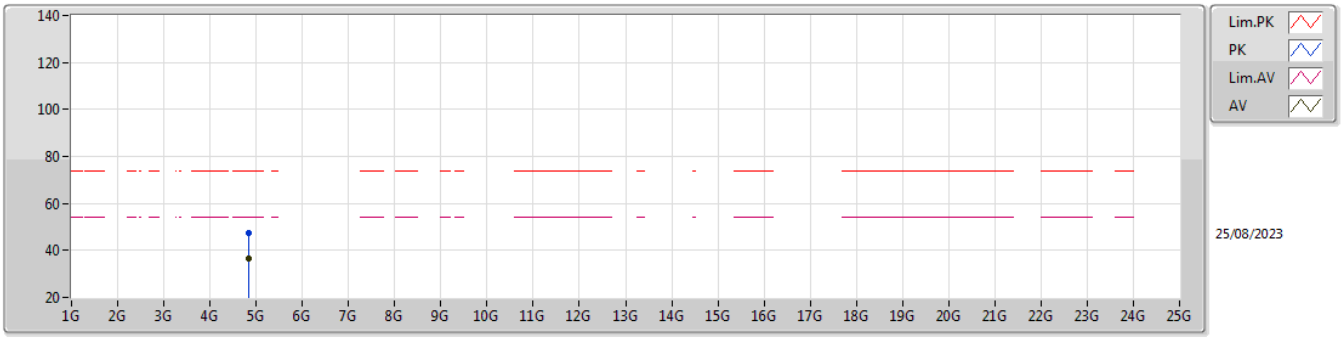


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8381G	47.51	74.00	-26.49	41.81	3	Vertical	252	1.91	-	32.93	5.74	32.97
AV	4.83114G	36.90	54.00	-17.10	31.25	3	Vertical	252	1.91	-	32.89	5.73	32.97

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

2412MHz_TX

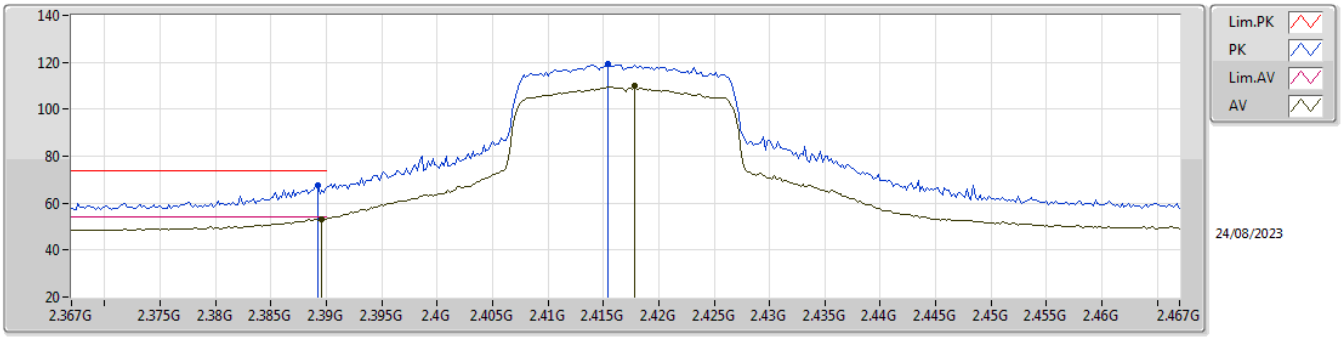


EUT Y_4TX
Setting 16
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83504G	47.16	74.00	-26.84	41.48	3	Horizontal	134	2.19	-	32.91	5.74	32.97
AV	4.82608G	36.36	54.00	-17.64	30.74	3	Horizontal	134	2.19	-	32.86	5.73	32.97

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

2417MHz_TX

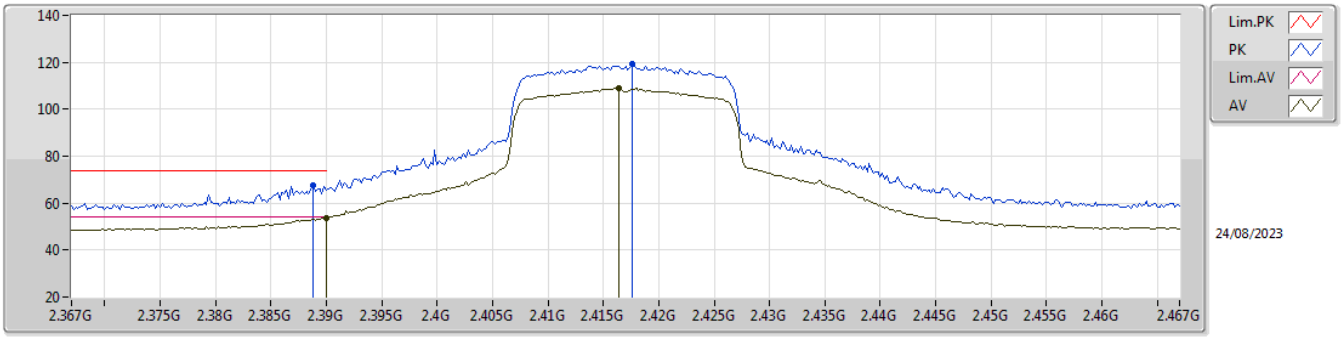


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	67.71	74.00	-6.29	36.34	3	Vertical	347	1.76	-	27.78	3.59	-
AV	2.3896G	53.12	54.00	-0.88	21.75	3	Vertical	347	1.76	-	27.78	3.59	-
PK	2.4154G	119.12	Inf	-Inf	87.68	3	Vertical	347	1.76	-	27.83	3.61	-
AV	2.4178G	109.77	Inf	-Inf	78.32	3	Vertical	347	1.76	-	27.84	3.61	-

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

2417MHz_TX

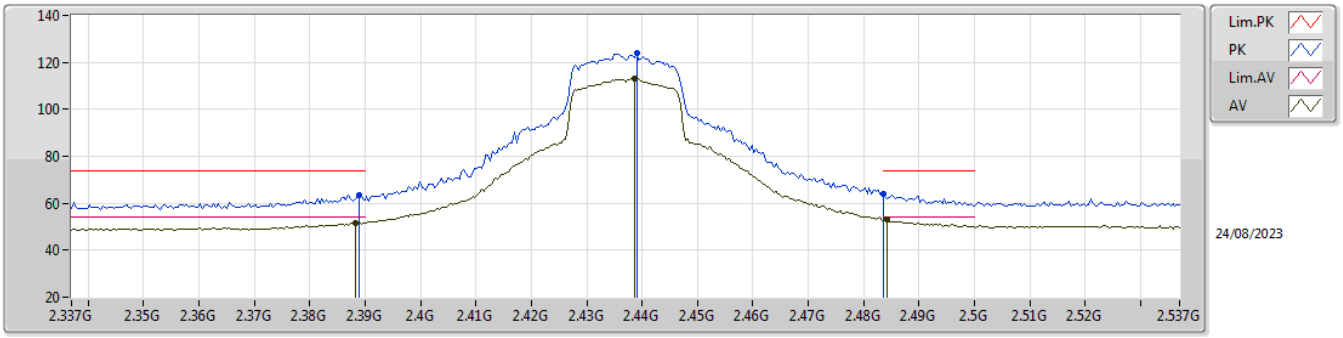


EUT Y_4TX
Setting 18.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3888G	67.58	74.00	-6.42	36.21	3	Horizontal	62	1.95	-	27.78	3.59	-
AV	2.39G	53.65	54.00	-0.35	22.28	3	Horizontal	62	1.95	-	27.78	3.59	-
PK	2.4176G	119.35	Inf	-Inf	87.90	3	Horizontal	62	1.95	-	27.84	3.61	-
AV	2.4164G	108.87	Inf	-Inf	77.43	3	Horizontal	62	1.95	-	27.83	3.61	-

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

2437MHz_TX

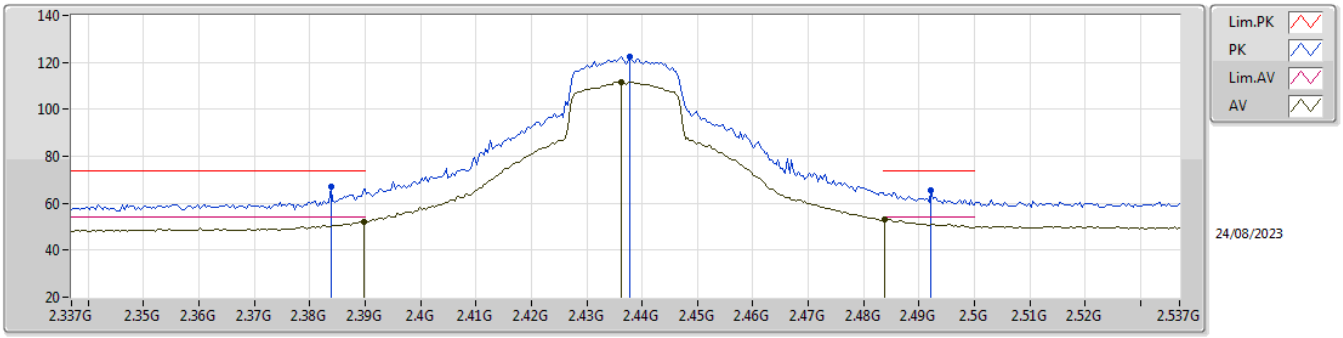


EUT Y_4TX
Setting 21.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	63.68	74.00	-10.32	32.31	3	Vertical	53	1.80	-	27.78	3.59	-
AV	2.3882G	51.63	54.00	-2.37	20.26	3	Vertical	53	1.80	-	27.78	3.59	-
PK	2.439G	123.71	Inf	-Inf	92.21	3	Vertical	53	1.80	-	27.88	3.62	-
AV	2.4386G	113.17	Inf	-Inf	81.67	3	Vertical	53	1.80	-	27.88	3.62	-
PK	2.4835G	64.10	74.00	-9.90	32.36	3	Vertical	53	1.80	-	28.10	3.64	-
AV	2.4842G	53.31	54.00	-0.69	21.56	3	Vertical	53	1.80	-	28.11	3.64	-

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

2437MHz_TX

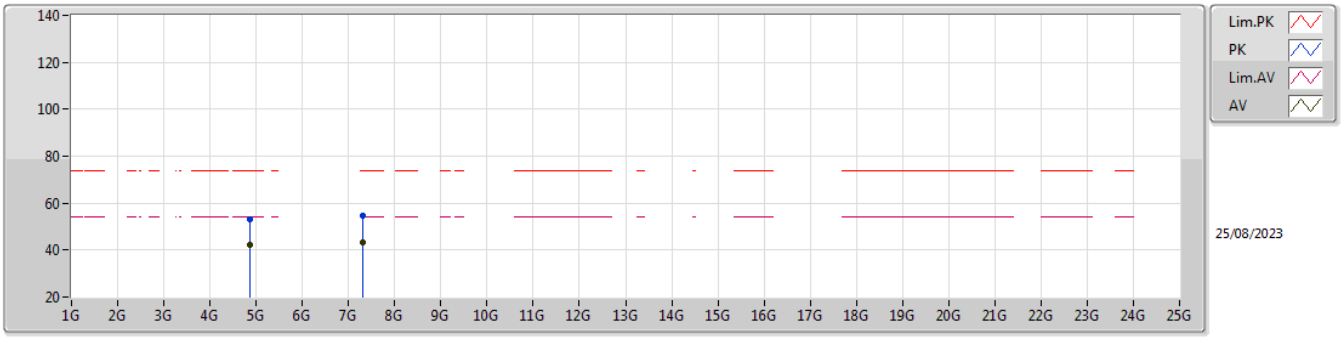


EUT Y_4TX
Setting 21.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3838G	66.91	74.00	-7.09	35.56	3	Horizontal	62	1.79	-	27.77	3.58	-
AV	2.3898G	52.26	54.00	-1.74	20.89	3	Horizontal	62	1.79	-	27.78	3.59	-
PK	2.4378G	122.54	Inf	-Inf	91.04	3	Horizontal	62	1.79	-	27.88	3.62	-
AV	2.4362G	111.56	Inf	-Inf	80.07	3	Horizontal	62	1.79	-	27.87	3.62	-
PK	2.4922G	65.65	74.00	-8.35	33.85	3	Horizontal	62	1.79	-	28.15	3.65	-
AV	2.4838G	52.99	54.00	-1.01	21.25	3	Horizontal	62	1.79	-	28.10	3.64	-

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

2437MHz_TX

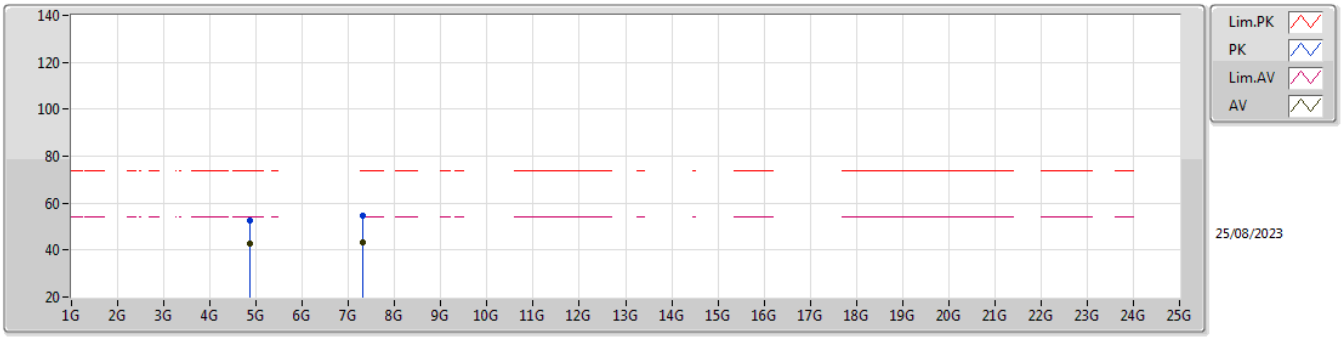


EUT Y_4TX
Setting 21.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87056G	52.97	74.00	-21.03	47.16	3	Vertical	85	2.73	-	33.00	5.77	32.96
AV	4.87108G	42.45	54.00	-11.55	36.64	3	Vertical	85	2.73	-	33.00	5.77	32.96
PK	7.3065G	54.64	74.00	-19.36	42.99	3	Vertical	66	3.00	-	37.60	7.15	33.10
AV	7.31496G	43.25	54.00	-10.75	31.59	3	Vertical	66	3.00	-	37.60	7.16	33.10

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

2437MHz_TX

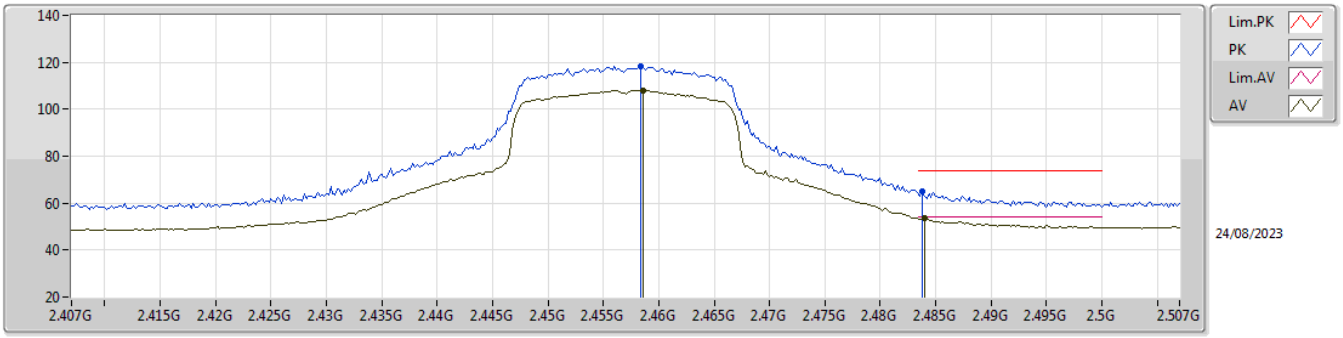


EUT Y_4TX
Setting 21.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87034G	52.61	74.00	-21.39	46.80	3	Horizontal	84	3.00	-	33.00	5.77	32.96
AV	4.87136G	42.78	54.00	-11.22	36.97	3	Horizontal	84	3.00	-	33.00	5.77	32.96
PK	7.30152G	54.80	74.00	-19.20	43.15	3	Horizontal	57	3.00	-	37.60	7.15	33.10
AV	7.31484G	43.36	54.00	-10.64	31.70	3	Horizontal	57	3.00	-	37.60	7.16	33.10

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

2457MHz_TX

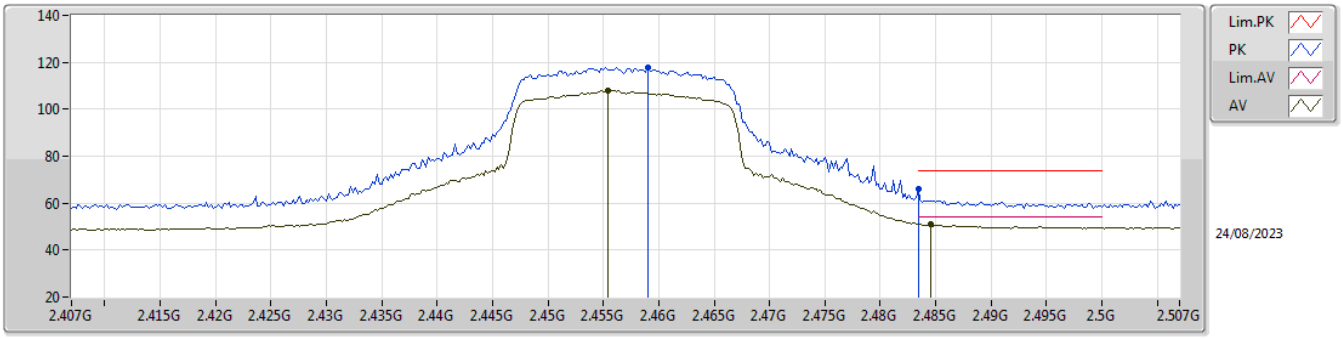


EUT Y_4TX
Setting 17.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4584G	118.11	Inf	-Inf	86.53	3	Vertical	55	1.72	-	27.95	3.63	-
AV	2.4586G	108.05	Inf	-Inf	76.47	3	Vertical	55	1.72	-	27.95	3.63	-
PK	2.4838G	64.76	74.00	-9.24	33.02	3	Vertical	55	1.72	-	28.10	3.64	-
AV	2.484G	53.59	54.00	-0.41	21.85	3	Vertical	55	1.72	-	28.10	3.64	-

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

2457MHz_TX

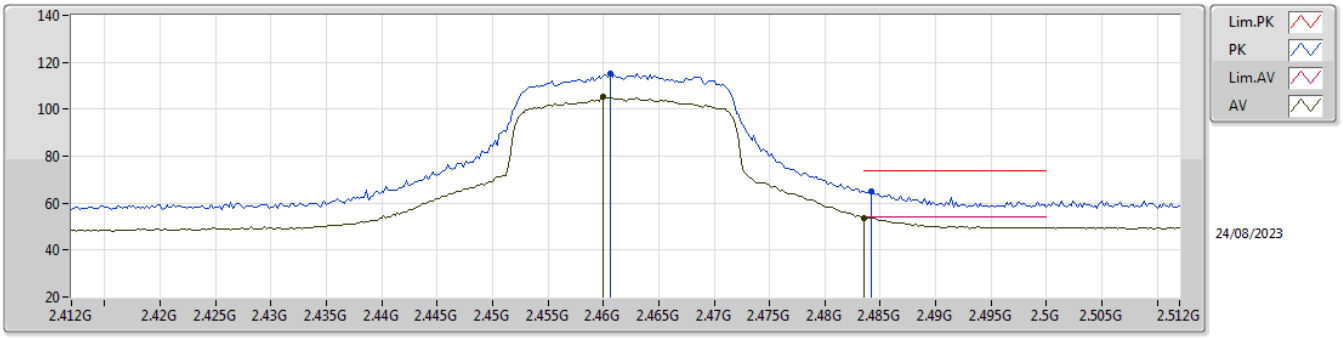


EUT Y_4TX
Setting 17.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.459G	117.79	Inf	-Inf	86.21	3	Horizontal	62	1.91	-	27.95	3.63	-
AV	2.4554G	107.95	Inf	-Inf	76.39	3	Horizontal	62	1.91	-	27.93	3.63	-
PK	2.4835G	66.09	74.00	-7.91	34.35	3	Horizontal	62	1.91	-	28.10	3.64	-
AV	2.4846G	50.91	54.00	-3.09	19.16	3	Horizontal	62	1.91	-	28.11	3.64	-

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

2462MHz_TX

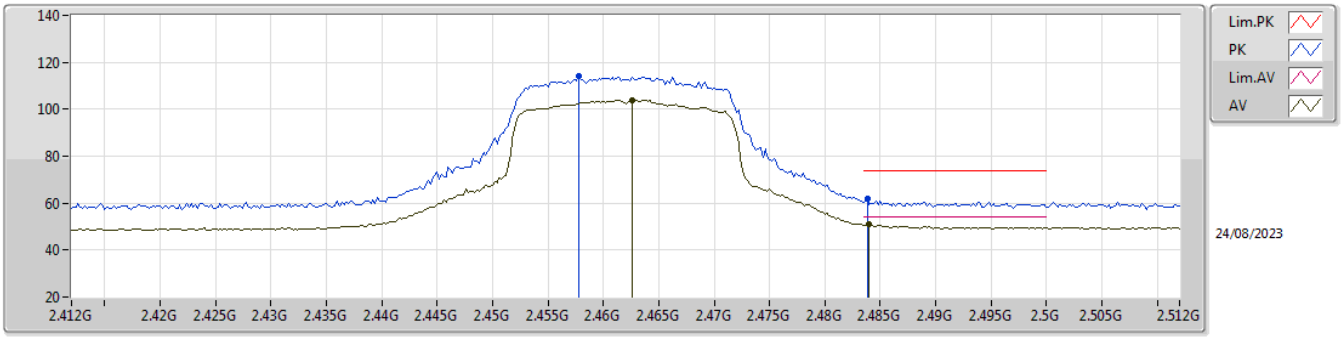


EUT Y_4TX
Setting 14
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4606G	115.17	Inf	-Inf	83.58	3	Vertical	58	1.76	-	27.96	3.63	-
AV	2.46G	105.23	Inf	-Inf	73.64	3	Vertical	58	1.76	-	27.96	3.63	-
PK	2.4842G	65.05	74.00	-8.95	33.30	3	Vertical	58	1.76	-	28.11	3.64	-
AV	2.4835G	53.73	54.00	-0.27	21.99	3	Vertical	58	1.76	-	28.10	3.64	-

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

2462MHz_TX

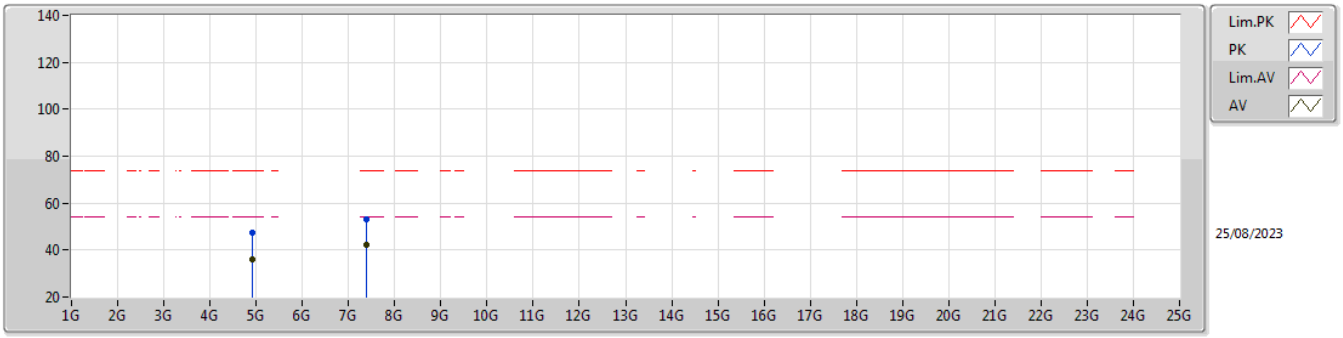


EUT Y_4TX
Setting 14
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4578G	114.10	Inf	-Inf	82.52	3	Horizontal	62	1.95	-	27.95	3.63	-
AV	2.4626G	103.92	Inf	-Inf	72.31	3	Horizontal	62	1.95	-	27.98	3.63	-
PK	2.4838G	61.68	74.00	-12.32	29.94	3	Horizontal	62	1.95	-	28.10	3.64	-
AV	2.484G	50.90	54.00	-3.10	19.16	3	Horizontal	62	1.95	-	28.10	3.64	-

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

2462MHz_TX

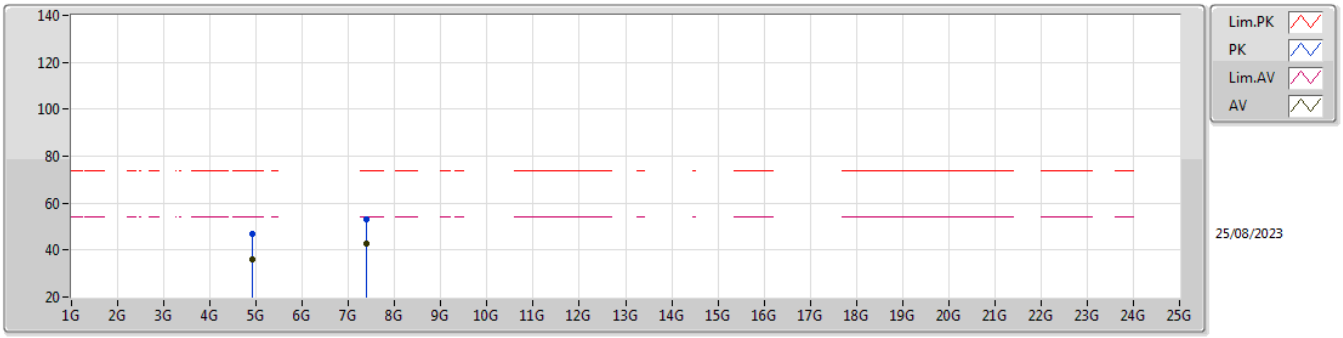


EUT Y_4TX
Setting 14
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91572G	47.27	74.00	-26.73	41.40	3	Vertical	50	3.00	-	33.00	5.82	32.95
AV	4.91636G	36.10	54.00	-17.90	30.23	3	Vertical	50	3.00	-	33.00	5.82	32.95
PK	7.3854G	52.98	74.00	-21.02	41.39	3	Vertical	232	2.06	-	37.53	7.19	33.13
AV	7.37814G	42.15	54.00	-11.85	30.54	3	Vertical	232	2.06	-	37.54	7.19	33.12

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

2462MHz_TX

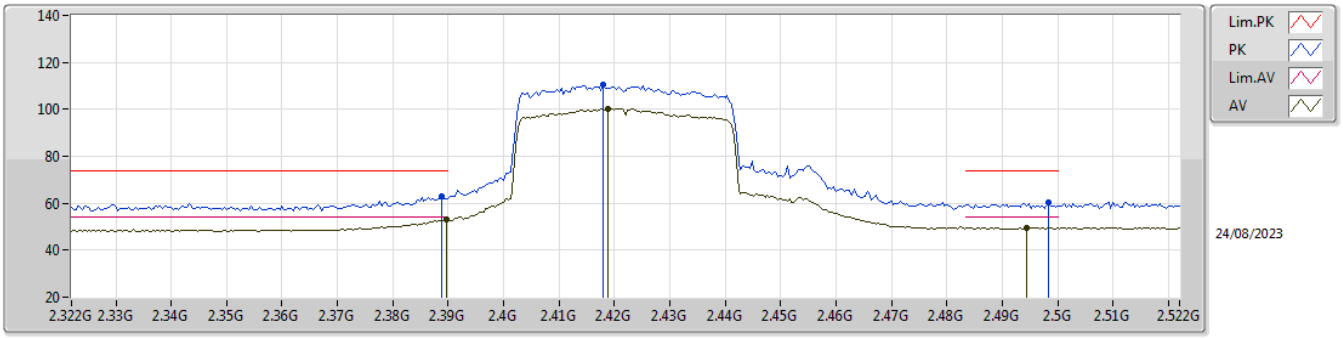


EUT Y_4TX
Setting 14
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92192G	46.88	74.00	-27.12	41.01	3	Horizontal	86	2.73	-	33.00	5.82	32.95
AV	4.9256G	36.22	54.00	-17.78	30.34	3	Horizontal	86	2.73	-	33.00	5.83	32.95
PK	7.37824G	52.96	74.00	-21.04	41.35	3	Horizontal	325	2.04	-	37.54	7.19	33.12
AV	7.38G	42.51	54.00	-11.49	30.90	3	Horizontal	325	2.04	-	37.54	7.19	33.12

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

2422MHz_TX

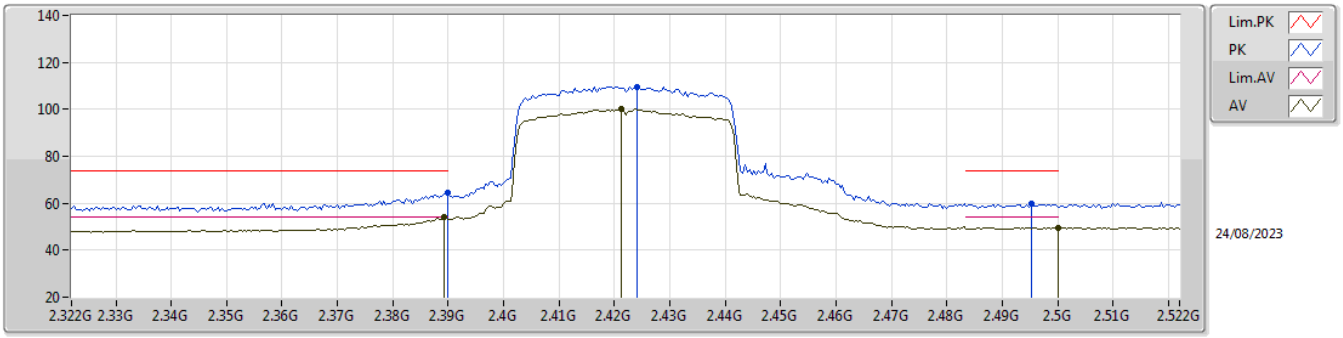


EUT Y_4TX
Setting 13.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3888G	63.10	74.00	-10.90	31.73	3	Vertical	355	1.80	-	27.78	3.59	-
AV	2.3896G	53.25	54.00	-0.75	21.88	3	Vertical	355	1.80	-	27.78	3.59	-
PK	2.418G	110.52	Inf	-Inf	79.07	3	Vertical	355	1.80	-	27.84	3.61	-
AV	2.4188G	100.33	Inf	-Inf	68.88	3	Vertical	355	1.80	-	27.84	3.61	-
PK	2.4984G	60.23	74.00	-13.77	28.39	3	Vertical	355	1.80	-	28.19	3.65	-
AV	2.4944G	49.70	54.00	-4.30	17.88	3	Vertical	355	1.80	-	28.17	3.65	-

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

2422MHz_TX

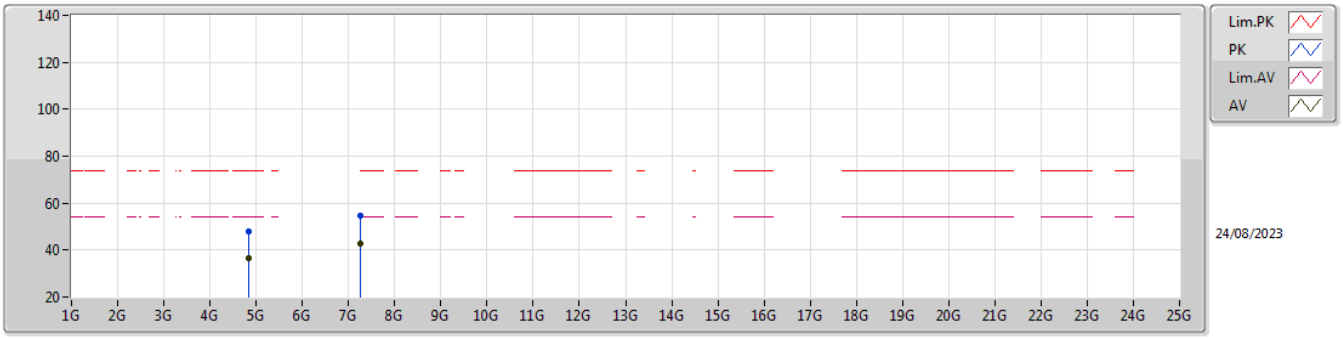


EUT Y_4TX
Setting 13.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	64.27	74.00	-9.73	32.90	3	Horizontal	62	1.94	-	27.78	3.59	-
AV	2.3892G	53.89	54.00	-0.11	22.52	3	Horizontal	62	1.94	-	27.78	3.59	-
PK	2.424G	109.64	Inf	-Inf	78.18	3	Horizontal	62	1.94	-	27.85	3.61	-
AV	2.4212G	99.97	Inf	-Inf	68.52	3	Horizontal	62	1.94	-	27.84	3.61	-
PK	2.4952G	59.80	74.00	-14.20	27.98	3	Horizontal	62	1.94	-	28.17	3.65	-
AV	2.5G	49.50	54.00	-4.50	17.65	3	Horizontal	62	1.94	-	28.20	3.65	-

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

2422MHz_TX

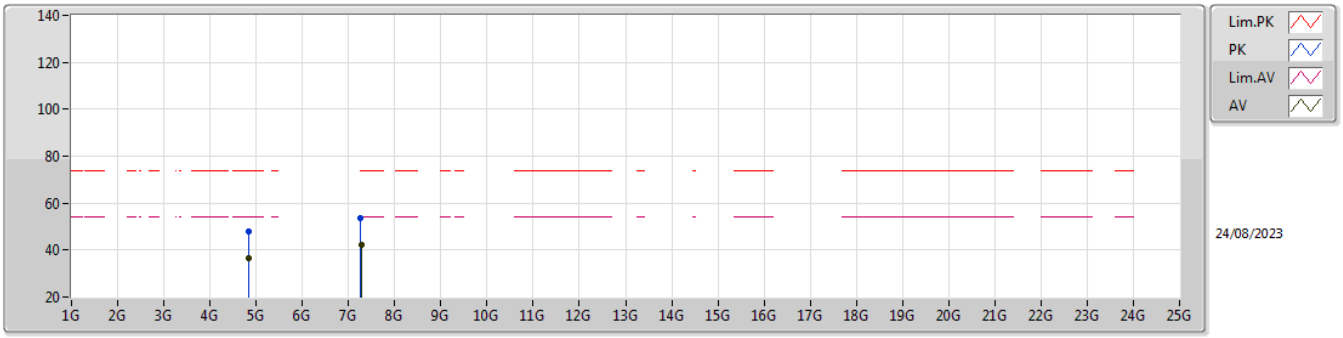


EUT Y_4TX
Setting 13.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83876G	47.77	74.00	-26.23	42.07	3	Vertical	216	1.04	-	32.93	5.74	32.97
AV	4.8398G	36.80	54.00	-17.20	31.09	3	Vertical	216	1.04	-	32.94	5.74	32.97
PK	7.26188G	54.40	74.00	-19.60	42.91	3	Vertical	0	2.17	-	37.45	7.13	33.09
AV	7.2562G	42.54	54.00	-11.46	31.08	3	Vertical	0	2.17	-	37.42	7.13	33.09

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

2422MHz_TX

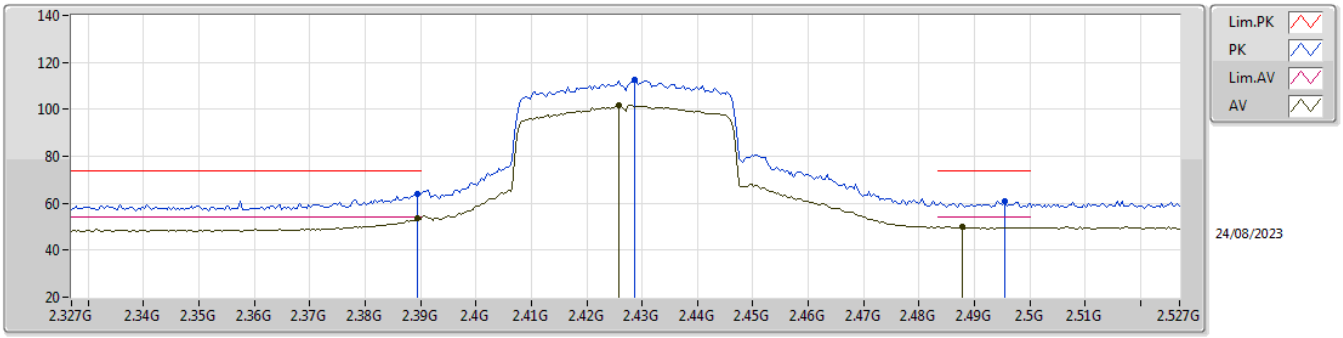


EUT Y_4TX
Setting 13.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83656G	48.09	74.00	-25.91	42.40	3	Horizontal	141	2.17	-	32.92	5.74	32.97
AV	4.84104G	36.68	54.00	-17.32	30.95	3	Horizontal	141	2.17	-	32.95	5.74	32.96
PK	7.2636G	53.62	74.00	-20.38	42.13	3	Horizontal	114	2.34	-	37.45	7.13	33.09
AV	7.27564G	42.35	54.00	-11.65	30.80	3	Horizontal	114	2.34	-	37.50	7.14	33.09

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

2427MHz_TX

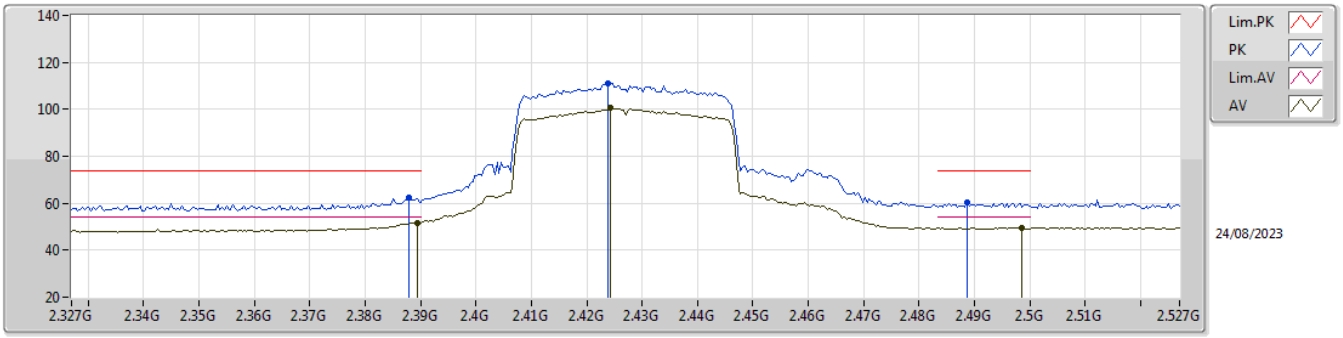


EUT Y_4TX
Setting 14.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	63.96	74.00	-10.04	32.59	3	Vertical	54	1.79	-	27.78	3.59	-
AV	2.3894G	53.38	54.00	-0.62	22.01	3	Vertical	54	1.79	-	27.78	3.59	-
PK	2.4286G	112.62	Inf	-Inf	81.15	3	Vertical	54	1.79	-	27.86	3.61	-
AV	2.4258G	101.70	Inf	-Inf	70.24	3	Vertical	54	1.79	-	27.85	3.61	-
PK	2.4954G	61.12	74.00	-12.88	29.30	3	Vertical	54	1.79	-	28.17	3.65	-
AV	2.4878G	49.88	54.00	-4.12	18.11	3	Vertical	54	1.79	-	28.13	3.64	-

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

2427MHz_TX

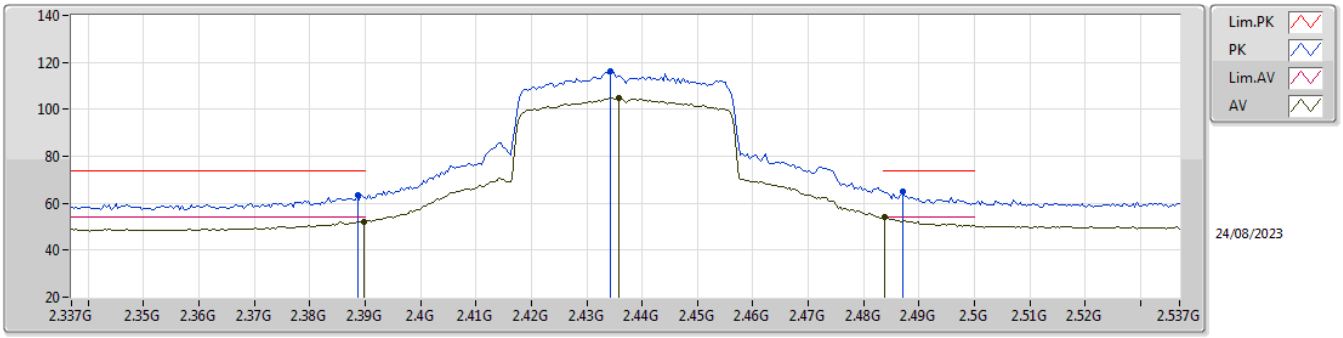


EUT Y_4TX
Setting 14.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3878G	62.52	74.00	-11.48	31.15	3	Horizontal	59	1.79	-	27.78	3.59	-
AV	2.3894G	51.64	54.00	-2.36	20.27	3	Horizontal	59	1.79	-	27.78	3.59	-
PK	2.4238G	110.89	Inf	-Inf	79.43	3	Horizontal	59	1.79	-	27.85	3.61	-
AV	2.4242G	100.48	Inf	-Inf	69.02	3	Horizontal	59	1.79	-	27.85	3.61	-
PK	2.4886G	60.17	74.00	-13.83	28.40	3	Horizontal	59	1.79	-	28.13	3.64	-
AV	2.4986G	49.49	54.00	-4.51	17.65	3	Horizontal	59	1.79	-	28.19	3.65	-

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

2437MHz_TX

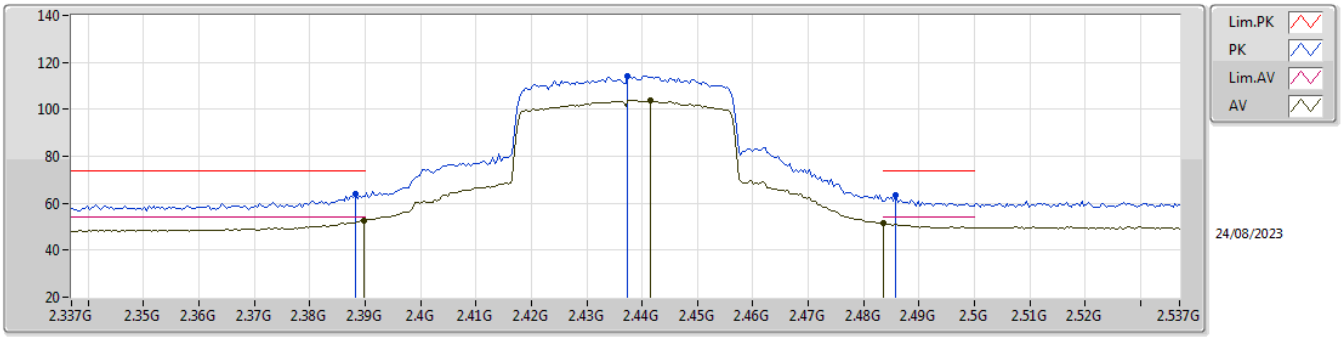


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	63.68	74.00	-10.32	32.31	3	Vertical	52	1.80	-	27.78	3.59	-
AV	2.3898G	52.26	54.00	-1.74	20.89	3	Vertical	52	1.80	-	27.78	3.59	-
PK	2.4342G	116.00	Inf	-Inf	84.51	3	Vertical	52	1.80	-	27.87	3.62	-
AV	2.4358G	104.85	Inf	-Inf	73.36	3	Vertical	52	1.80	-	27.87	3.62	-
PK	2.487G	65.21	74.00	-8.79	33.45	3	Vertical	52	1.80	-	28.12	3.64	-
AV	2.4838G	53.88	54.00	-0.12	22.14	3	Vertical	52	1.80	-	28.10	3.64	-

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

2437MHz_TX

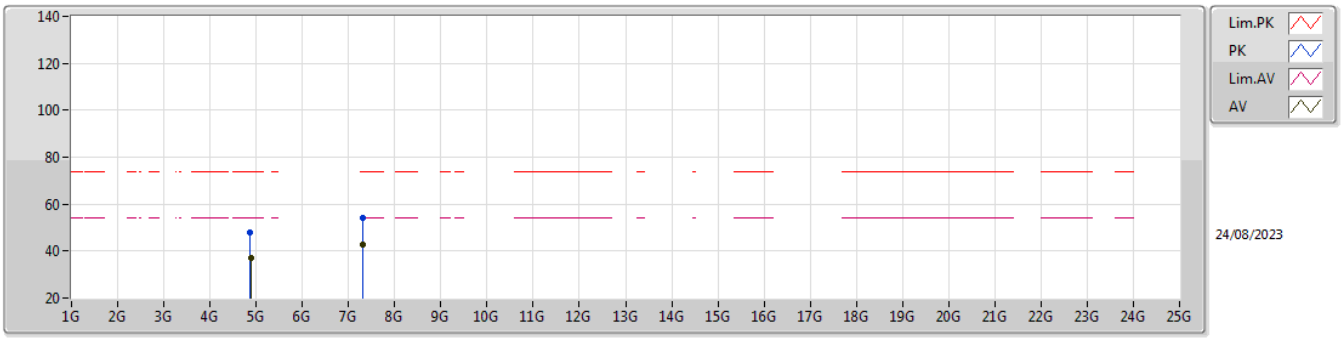


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3882G	63.83	74.00	-10.17	32.46	3	Horizontal	63	1.90	-	27.78	3.59	-
AV	2.3898G	52.70	54.00	-1.30	21.33	3	Horizontal	63	1.90	-	27.78	3.59	-
PK	2.4374G	114.32	Inf	-Inf	82.83	3	Horizontal	63	1.90	-	27.87	3.62	-
AV	2.4414G	103.87	Inf	-Inf	72.37	3	Horizontal	63	1.90	-	27.88	3.62	-
PK	2.4858G	63.25	74.00	-10.75	31.50	3	Horizontal	63	1.90	-	28.11	3.64	-
AV	2.4835G	51.47	54.00	-2.53	19.73	3	Horizontal	63	1.90	-	28.10	3.64	-

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

2437MHz_TX

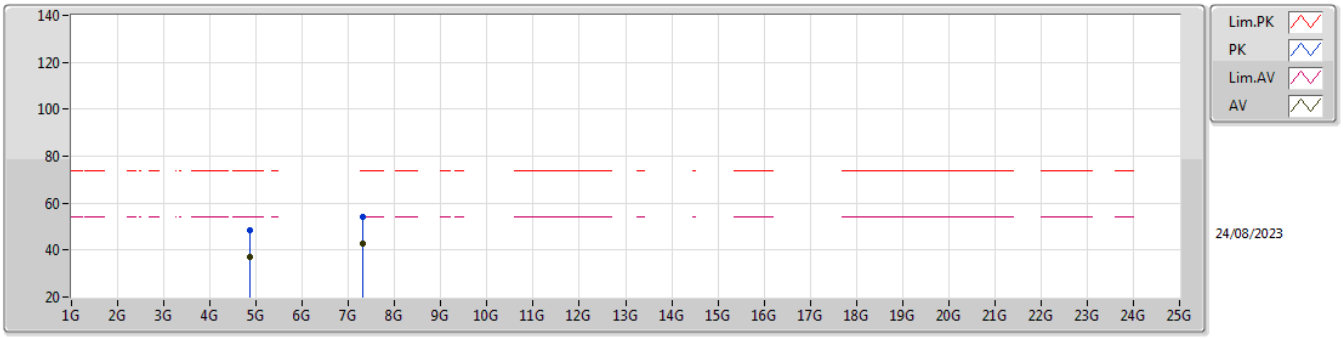


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8658G	48.06	74.00	-25.94	42.25	3	Vertical	84	3.00	-	33.00	5.77	32.96
AV	4.88276G	37.02	54.00	-16.98	31.20	3	Vertical	84	3.00	-	33.00	5.78	32.96
PK	7.30336G	54.04	74.00	-19.96	42.39	3	Vertical	40	1.80	-	37.60	7.15	33.10
AV	7.30292G	42.68	54.00	-11.32	31.03	3	Vertical	40	1.80	-	37.60	7.15	33.10

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

2437MHz_TX

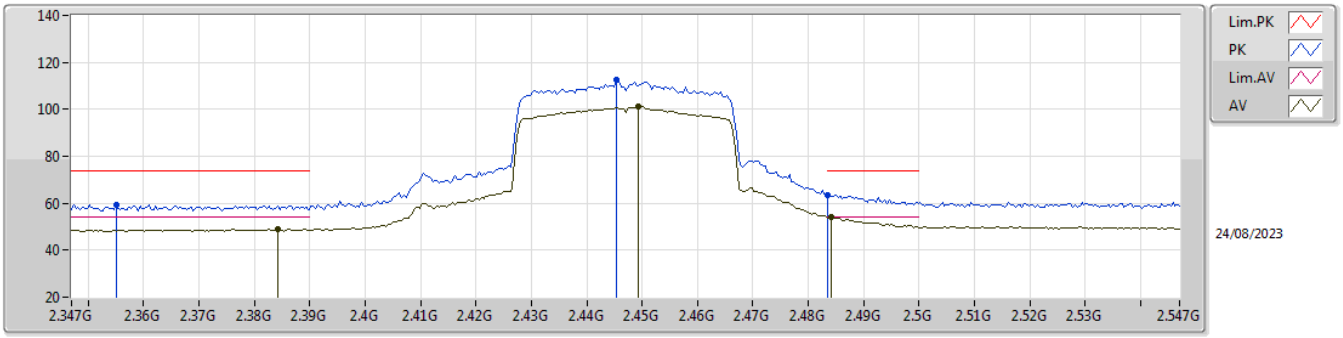


EUT Y_4TX
Setting 17
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86904G	48.47	74.00	-25.53	42.66	3	Horizontal	262	1.80	-	33.00	5.77	32.96
AV	4.86764G	37.29	54.00	-16.71	31.48	3	Horizontal	262	1.80	-	33.00	5.77	32.96
PK	7.31108G	54.19	74.00	-19.81	42.53	3	Horizontal	323	1.80	-	37.60	7.16	33.10
AV	7.31032G	42.85	54.00	-11.15	31.19	3	Horizontal	323	1.80	-	37.60	7.16	33.10

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

2447MHz_TX

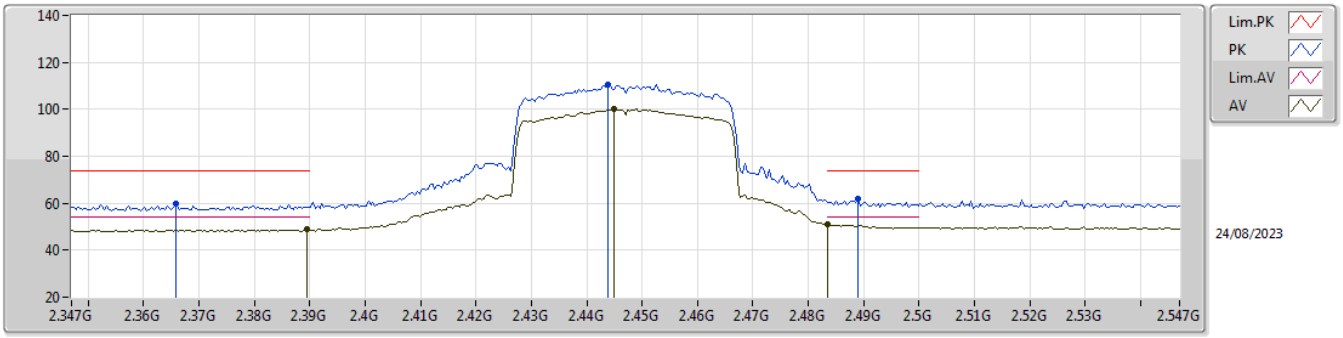


EUT Y_4TX
Setting 13.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.355G	59.50	74.00	-14.50	28.23	3	Vertical	58	1.80	-	27.71	3.56	-
AV	2.3842G	48.97	54.00	-5.03	17.62	3	Vertical	58	1.80	-	27.77	3.58	-
PK	2.4454G	112.35	Inf	-Inf	80.84	3	Vertical	58	1.80	-	27.89	3.62	-
AV	2.4494G	101.07	Inf	-Inf	69.55	3	Vertical	58	1.80	-	27.90	3.62	-
PK	2.4835G	63.61	74.00	-10.39	31.87	3	Vertical	58	1.80	-	28.10	3.64	-
AV	2.4842G	53.89	54.00	-0.11	22.14	3	Vertical	58	1.80	-	28.11	3.64	-

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

2447MHz_TX

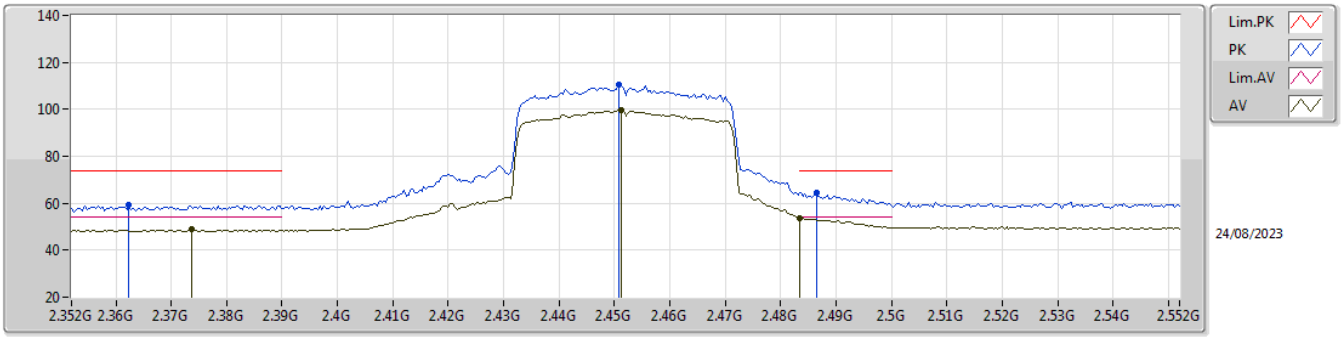


EUT Y_4TX
Setting 13.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3658G	59.94	74.00	-14.06	28.64	3	Horizontal	64	1.89	-	27.73	3.57	-
AV	2.3894G	48.81	54.00	-5.19	17.44	3	Horizontal	64	1.89	-	27.78	3.59	-
PK	2.4438G	110.60	Inf	-Inf	79.09	3	Horizontal	64	1.89	-	27.89	3.62	-
AV	2.445G	100.32	Inf	-Inf	68.81	3	Horizontal	64	1.89	-	27.89	3.62	-
PK	2.489G	62.05	74.00	-11.95	30.28	3	Horizontal	64	1.89	-	28.13	3.64	-
AV	2.4835G	50.90	54.00	-3.10	19.16	3	Horizontal	64	1.89	-	28.10	3.64	-

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

2452MHz_TX

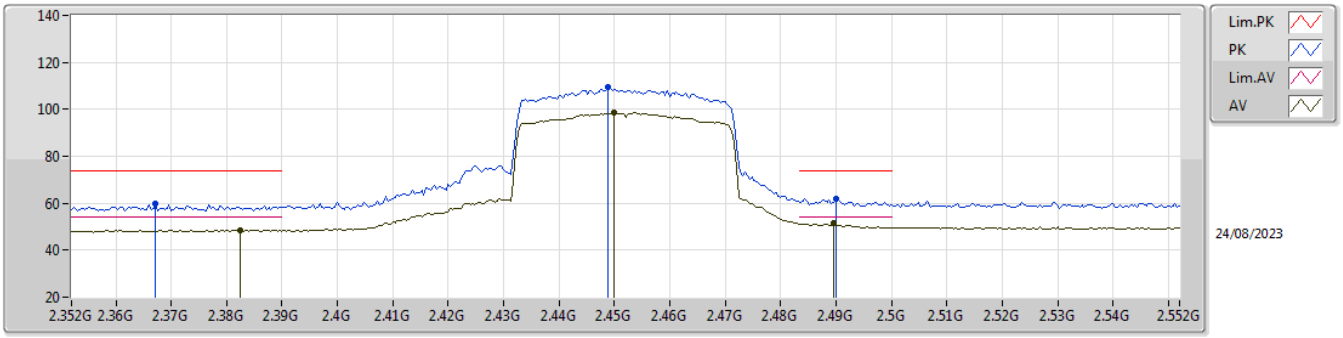


EUT Y_4TX
Setting 12.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3624G	59.23	74.00	-14.77	27.95	3	Vertical	19	1.80	-	27.72	3.56	-
AV	2.3736G	48.72	54.00	-5.28	17.40	3	Vertical	19	1.80	-	27.75	3.57	-
PK	2.4508G	110.70	Inf	-Inf	79.17	3	Vertical	19	1.80	-	27.90	3.63	-
AV	2.4512G	99.75	Inf	-Inf	68.21	3	Vertical	19	1.80	-	27.91	3.63	-
PK	2.4864G	64.50	74.00	-9.50	32.74	3	Vertical	19	1.80	-	28.12	3.64	-
AV	2.4835G	53.73	54.00	-0.27	21.99	3	Vertical	19	1.80	-	28.10	3.64	-

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

2452MHz_TX

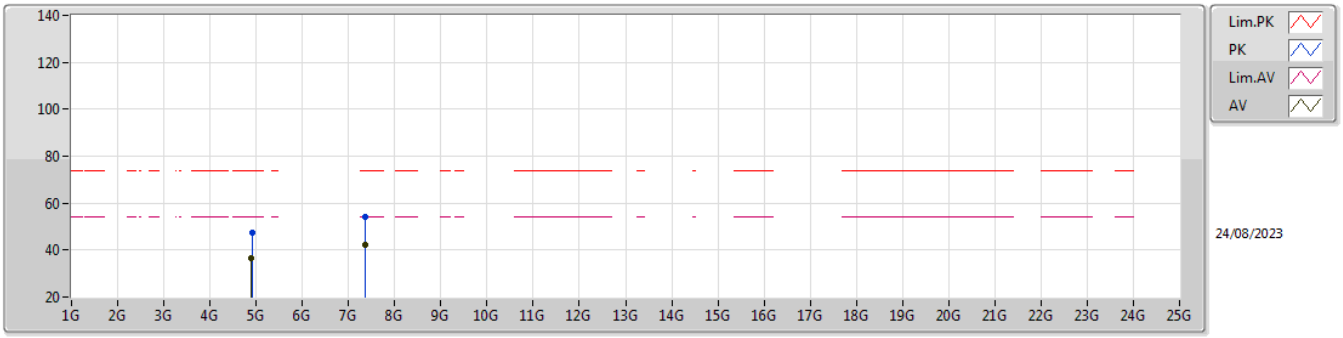


EUT Y_4TX
Setting 12.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3672G	59.57	74.00	-14.43	28.27	3	Horizontal	64	1.96	-	27.73	3.57	-
AV	2.3824G	48.51	54.00	-5.49	17.17	3	Horizontal	64	1.96	-	27.76	3.58	-
PK	2.4488G	109.25	Inf	-Inf	77.73	3	Horizontal	64	1.96	-	27.90	3.62	-
AV	2.45G	98.63	Inf	-Inf	67.11	3	Horizontal	64	1.96	-	27.90	3.62	-
PK	2.49G	61.90	74.00	-12.10	30.11	3	Horizontal	64	1.96	-	28.14	3.65	-
AV	2.4896G	51.32	54.00	-2.68	19.54	3	Horizontal	64	1.96	-	28.14	3.64	-

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

2452MHz_TX

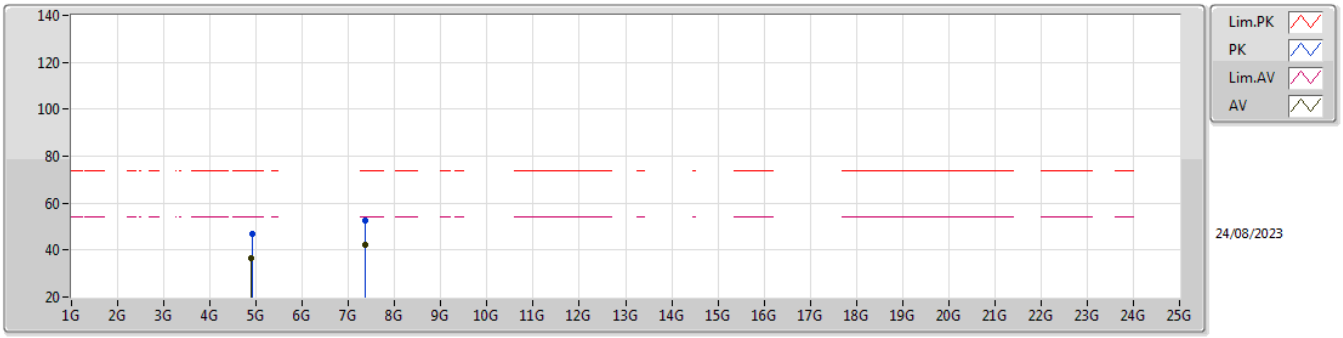


EUT Y_4TX
Setting 12.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90836G	47.33	74.00	-26.67	41.47	3	Vertical	86	1.12	-	33.00	5.81	32.95
AV	4.90276G	36.41	54.00	-17.59	30.56	3	Vertical	86	1.12	-	33.00	5.80	32.95
PK	7.35184G	54.12	74.00	-19.88	42.46	3	Vertical	149	2.26	-	37.60	7.18	33.12
AV	7.36192G	42.29	54.00	-11.71	30.65	3	Vertical	149	2.26	-	37.58	7.18	33.12

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

2452MHz_TX



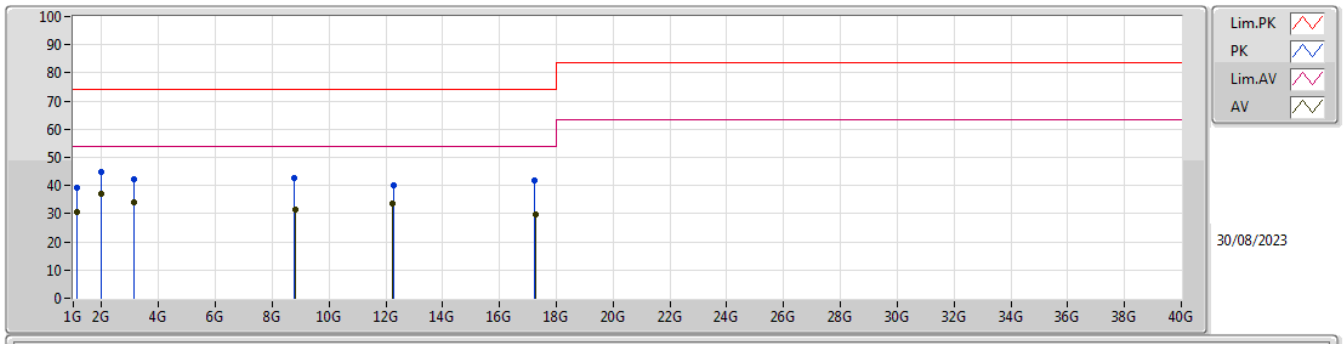
EUT Y_4TX
Setting 12.5
01-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90552G	47.08	74.00	-26.92	41.22	3	Horizontal	352	1.61	-	33.00	5.81	32.95
AV	4.90112G	36.33	54.00	-17.67	30.48	3	Horizontal	352	1.61	-	33.00	5.80	32.95
PK	7.36156G	52.83	74.00	-21.17	41.19	3	Horizontal	354	2.71	-	37.58	7.18	33.12
AV	7.36064G	42.11	54.00	-11.89	30.47	3	Horizontal	354	2.71	-	37.58	7.18	33.12

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.98669G	41.96	54.00	-12.04	Horizontal

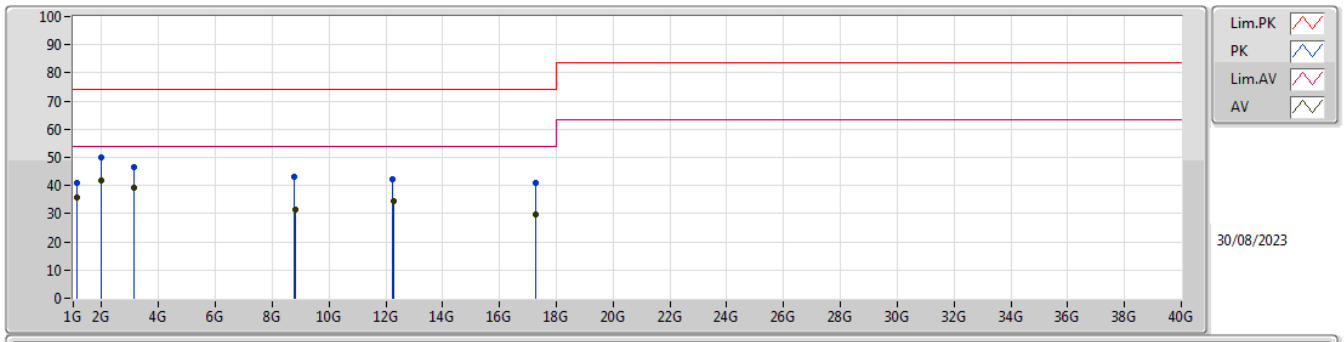
Mode 1



EUT Y
Power AC120V/60Hz
05-M-G-5

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.12094G	39.19	74.00	-34.81	-8.18	3	Vertical	307	2.91	-	47.37	25.70	2.98	36.86
AV	1.12514G	30.72	54.00	-23.28	-8.17	3	Vertical	307	2.91	-	38.89	25.70	2.99	36.86
PK	1.98202G	44.97	74.00	-29.03	-6.40	3	Vertical	201	2.16	-	51.37	26.32	3.98	36.70
AV	1.98534G	36.98	54.00	-17.02	-6.36	3	Vertical	201	2.16	"Worst"	43.34	26.35	3.99	36.70
PK	3.12671G	42.07	74.00	-31.93	-1.67	3	Vertical	232	1.42	-	43.74	29.80	4.93	36.40
AV	3.12565G	34.25	54.00	-19.75	-1.67	3	Vertical	232	1.42	-	35.92	29.80	4.93	36.40
PK	8.79265G	42.79	74.00	-31.21	11.96	3	Vertical	321	2.58	-	30.83	37.70	8.10	33.84
AV	8.8246G	31.36	54.00	-22.64	12.04	3	Vertical	321	2.58	-	19.32	37.75	8.11	33.82
PK	12.25627G	40.19	74.00	-33.81	15.24	3	Vertical	354	2.98	-	24.95	38.90	9.52	33.18
AV	12.24432G	33.42	54.00	-20.58	15.22	3	Vertical	354	2.98	-	18.20	38.90	9.51	33.19
PK	17.24819G	41.91	74.00	-32.09	17.09	3	Vertical	101	1.16	-	24.82	38.69	11.40	33.00
AV	17.25495G	29.92	54.00	-24.08	17.09	3	Vertical	101	1.16	-	12.83	38.70	11.40	33.01

Mode 1



EUT Y
Power AC120V/60Hz
05-M-G-5

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.1202G	41.00	74.00	-33.00	-8.18	3	Horizontal	151	1.22	-	49.18	25.70	2.98	36.86
AV	1.12175G	35.74	54.00	-18.26	-8.18	3	Horizontal	151	1.22	-	43.92	25.70	2.98	36.86
PK	1.98536G	50.17	74.00	-23.83	-6.36	3	Horizontal	136	1.00	-	56.53	26.35	3.99	36.70
AV	1.98669G	41.96	54.00	-12.04	-6.34	3	Horizontal	136	1.00	"Worst"	48.30	26.37	3.99	36.70
PK	3.12445G	46.53	74.00	-27.47	-1.69	3	Horizontal	297	2.42	-	48.22	29.80	4.92	36.41
AV	3.1296G	39.25	54.00	-14.75	-1.67	3	Horizontal	297	2.42	-	40.92	29.80	4.93	36.40
PK	8.79305G	42.96	74.00	-31.04	11.96	3	Horizontal	341	1.35	-	31.00	37.70	8.10	33.84
AV	8.8177G	31.32	54.00	-22.68	12.03	3	Horizontal	341	1.35	-	19.29	37.74	8.11	33.82
PK	12.2476G	42.42	74.00	-31.58	15.22	3	Horizontal	299	1.10	-	27.20	38.90	9.51	33.19
AV	12.26137G	34.31	54.00	-19.69	15.25	3	Horizontal	299	1.10	-	19.06	38.90	9.52	33.17
PK	17.26014G	40.84	74.00	-33.16	17.09	3	Horizontal	156	3.00	-	23.75	38.70	11.40	33.01
AV	17.2537G	29.93	54.00	-24.07	17.10	3	Horizontal	156	3.00	-	12.83	38.70	11.40	33.00