Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	Z3WAIR4981-41
Equipment	:	AT&T ALL Fi Booster
Brand Name	:	Airties
Model Name	:	Air4981-41
Applicant	:	AirTies Wireless Networks Sehit Mehmet Mikdat Uluunlu Sokagi No:23 Esentepe, Sisli İstanbul, 34394 Turkey
Manufacturer	:	AirTies Wireless Networks Sehit Mehmet Mikdat Uluunlu Sokagi No:23 Esentepe, Sisli İstanbul, 34394 Turkey
Standard	:	47 CFR FCC Part 15.247

The product was received on Jul. 21, 2022, and testing was started from Jul. 26, 2022 and completed on Aug. 03, 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: Rex Liao

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

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History of this test report

Report No.	Version	Description	Issued Date
FR211916-04AA	01	Initial issue of report	Aug. 28, 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	-
Note: Reference to Sporton Project No.: 211916-02.				

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: Sophia Shiung

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), 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	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

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					
1	1	1	Galtronics	A00	Off-Board Internal Dipole	I-PEX MHF (u.FL)	Note 1
2	2	2	Galtronics	A11	Off-Board Internal Dipole	I-PEX MHF (u.FL)	

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
1	5.41	5.06	4.26	5.01	4.76
2	2.96	2.91	3.33	3.97	3.8

	Directional Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
2T1S	5.46	5.11	4.47	5.29	4.79
2T2S	5.41	5.06	4.26	5.01	4.76

Note 2: The above information (excepting antenna gain) was declared by manufacturer.
Note 3: Maximum Directional Gain following KDB662911 D03.

For 2.4GHz:

For IEEE 802.11b/g/n/VHT/ax mode (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz UNII 1~3:

For IEEE 802.11a/n/ac/ax mode (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.936	0.29	12.424m	100
802.11g	0.953	0.21	2.068m	1k
802.11ax HEW20-BF	0.939	0.27	2.925m	1k
802.11ax HEW40-BF	0.965	0.15	4.353m	300

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz UNII 1~UNII 3.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	Access Manual Tool 3.2.1.3			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT supports function

Function	Supports type	Support Band
AP Router	Master	2.4GHz / 5GHz
Mesh	Master	5GHz

Note 1: The AP Router was selected to test.

Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Kevin Huang	24.1-24.2 / 56-59	Jul. 14, 2023~ Aug. 03, 2023
Radiated < 1GHz	03CH06-CB	Black Lu	22.4~23.9 / 59~60	Jun. 08, 2023
Radiated > 1GHz (For other test items)	03CH06-CB	Gordon Hung	22~23.5 / 58~63	Jul. 12, 2023~ Jul. 18, 2023
Radiated > 1GHz (For Co-location)	03CH05-CB	Eason Chen	24.9~26.4 / 62~65	Jul. 26, 2022~ Sep. 13, 2022
AC Conduction	CO01-CB	Gray Lee	23~24 / 57~58	Jun. 09, 2023

Note: The tested sample for all the test items except Radiated > 1GHz (For Co-location) was received on Jul. 21, 2022.

1.4 Measurement Uncertainty

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

For other test items

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%

For Radiated > 1GHz (For Co-location)

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	80
2417MHz	83
2437MHz	92
2457MHz	81
2462MHz	78
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	67
2417MHz	74
2437MHz	82
2457MHz	70
2462MHz	59
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	56
2417MHz	70
2437MHz	80
2457MHz	70
2462MHz	59
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	55
2437MHz	62
2452MHz	57

Note:
- Evaluated HEW20/HEW40 mode only due to the 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 beamforming mode has been selected to test.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT (AP Router) + Adapter

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	Normal Link - EUT in X axis (AP Router) + Adapter
2	Normal Link - EUT in Y axis (AP Router) + Adapter
3	Normal Link - EUT in Z axis (AP Router) + Adapter
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis for Harmonic, and Z axis for Bandedge. So the measurement will follow this same test configuration.	
1	EUT in X axis (Harmonic) EUT in Z axis (Bandedge)

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA211916-04 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

<non-beamforming mode>

The EUT was programmed to be in continuously transmitting mode.

<beamforming mode>

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:
During the test, the following programs under WIN 7 were executed.
The program was executed as follows:

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

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	AT&T (mfg. by DELTA)	EPS24R0-16	INPUT: 120V~0.725A Max 60Hz Output: 12V, 2.0A 24W

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	WAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB (LAN)	DELL	E4300	N/A
B	NB (2.4G)	DELL	E4300	N/A
C	NB (5G)	DELL	E4300	N/A
D	2.5G WAN PC	DELL	T3400	N/A

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

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

<Beamforming mode>

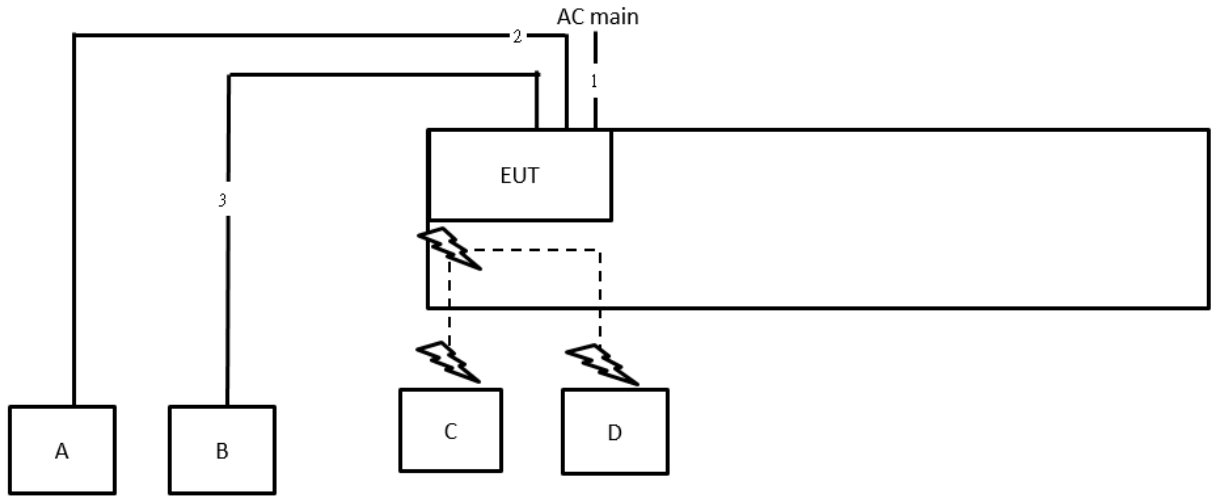
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	WLAN module	Intel	AX210NGW	PD9AX210NG
C	NB	DELL	E4300	N/A

For RF Conducted:

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

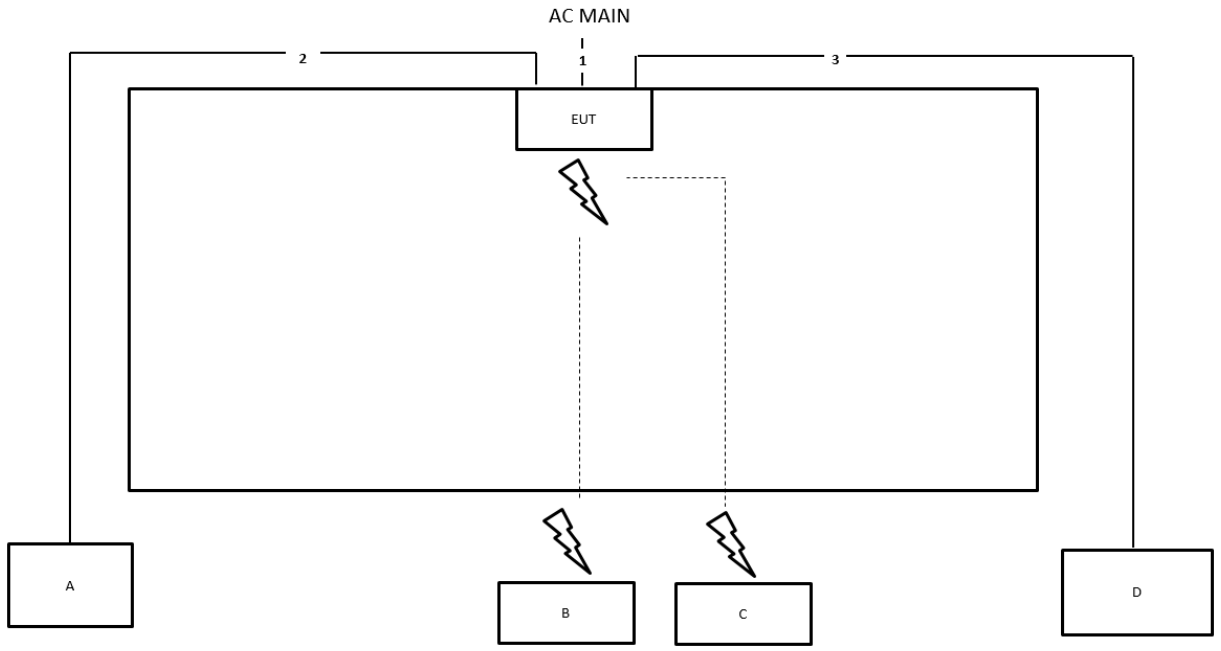
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



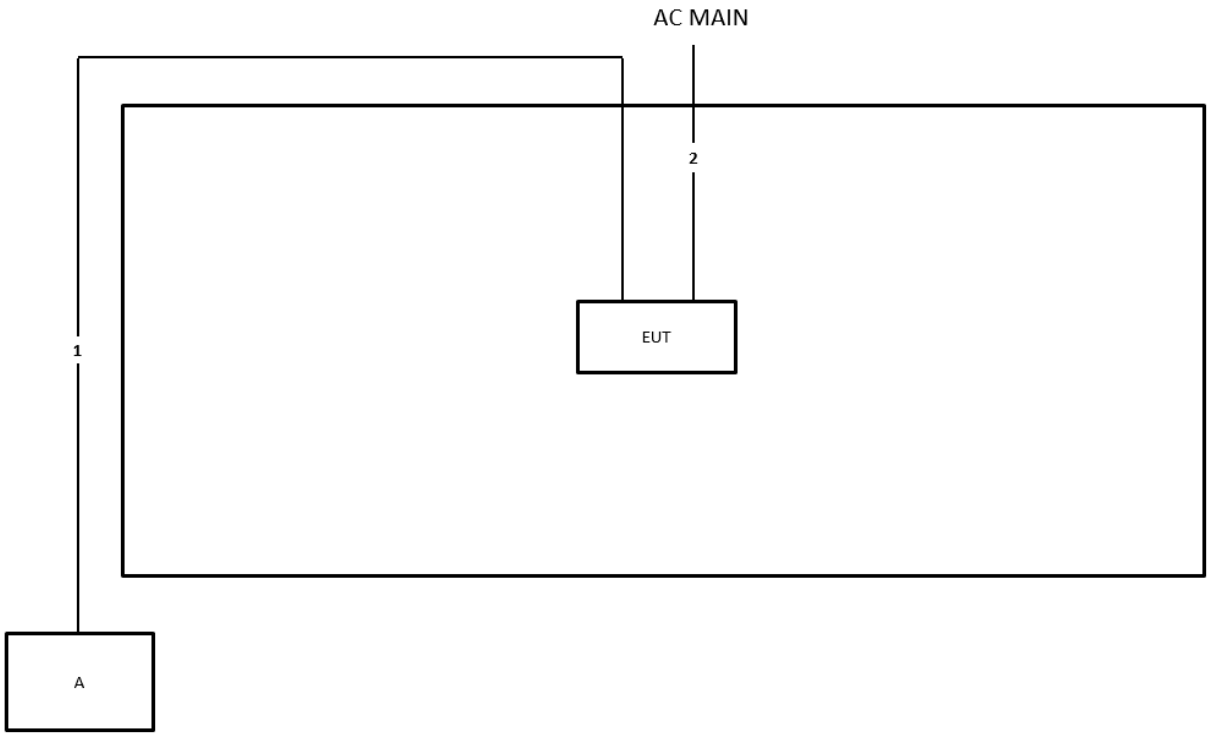
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



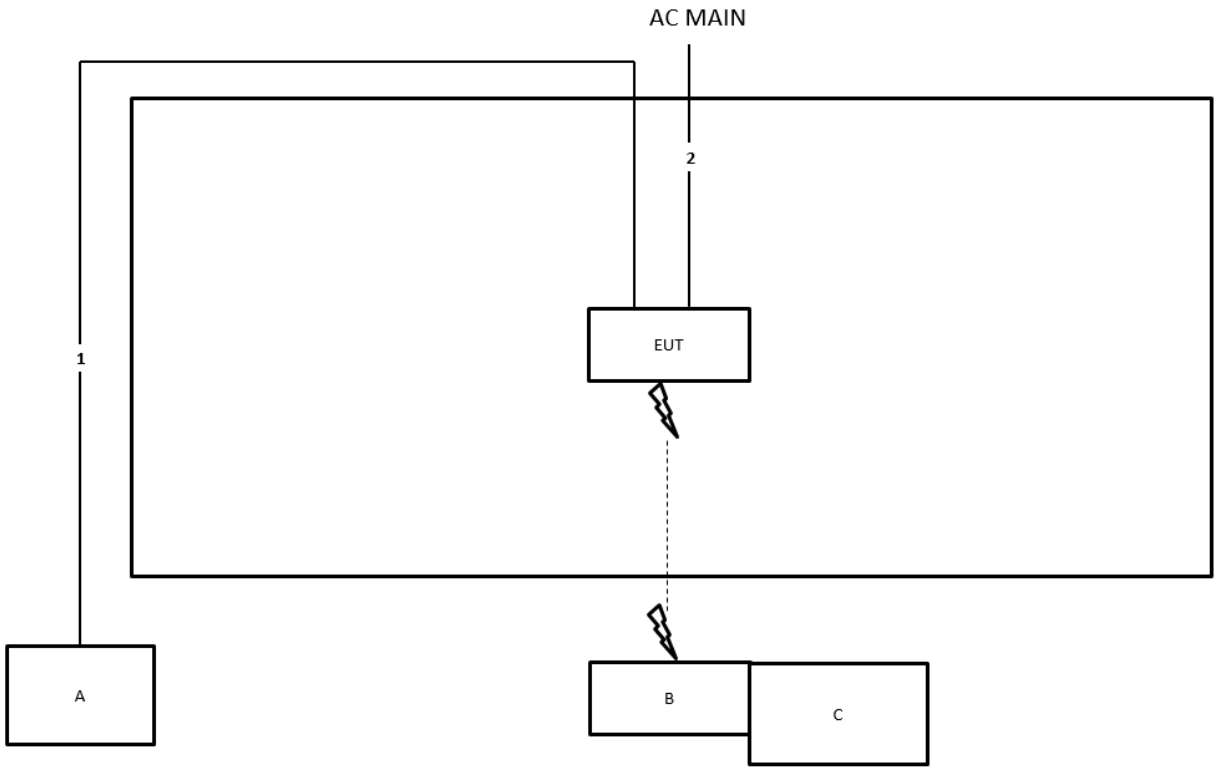
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m

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



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

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



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

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

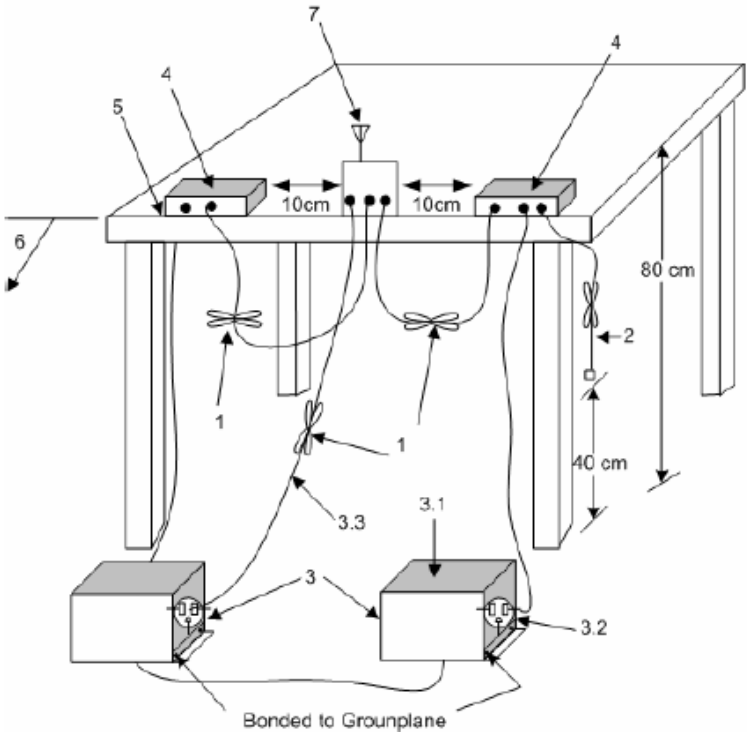
Refer a test equipment and calibration data table in this test report.

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.

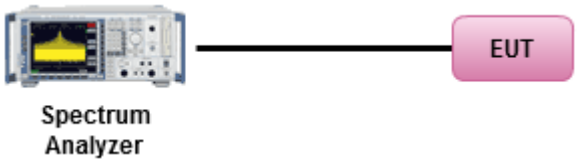
3.2.2 Measuring Instruments

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

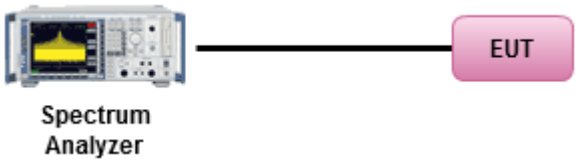
3.4.2 Measuring Instruments

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

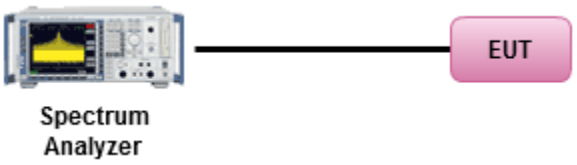
Refer a test equipment and calibration data table in this test report.

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.

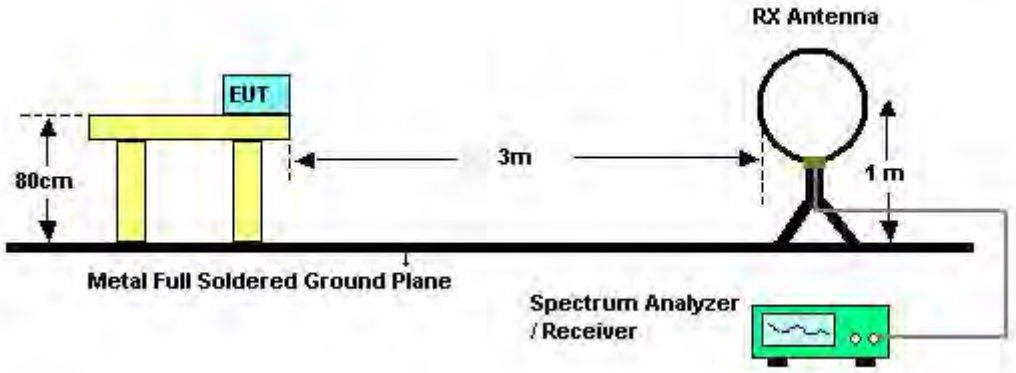
3.6.3 Test Procedures

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.		

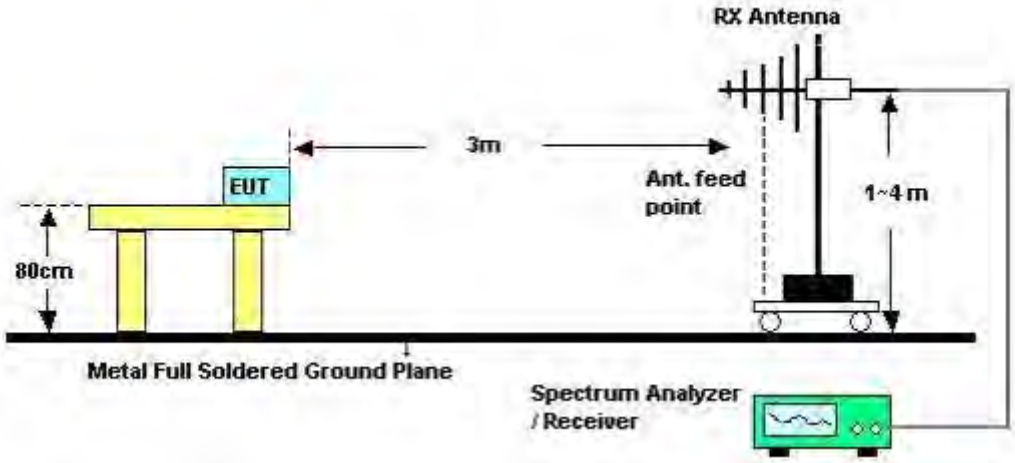
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

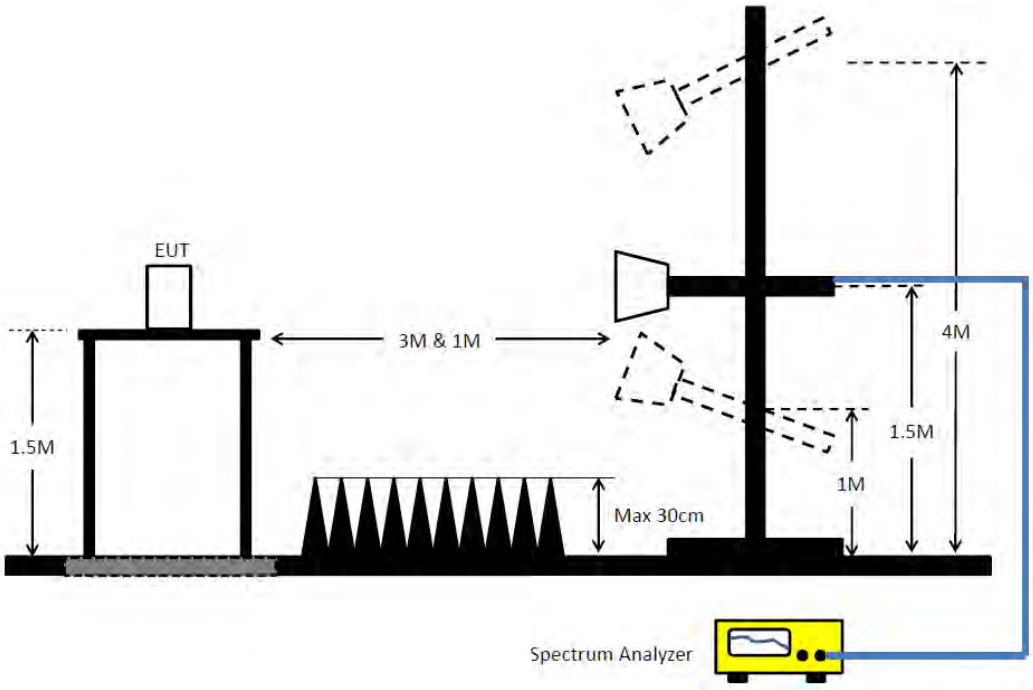
9kHz ~30MHz



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)
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 (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 04, 2022	Aug. 03. 2023	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 31, 2022	Jul. 30, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 09, 2022	Aug. 08, 2023	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-68	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 15, 2022	Aug. 14, 2023	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

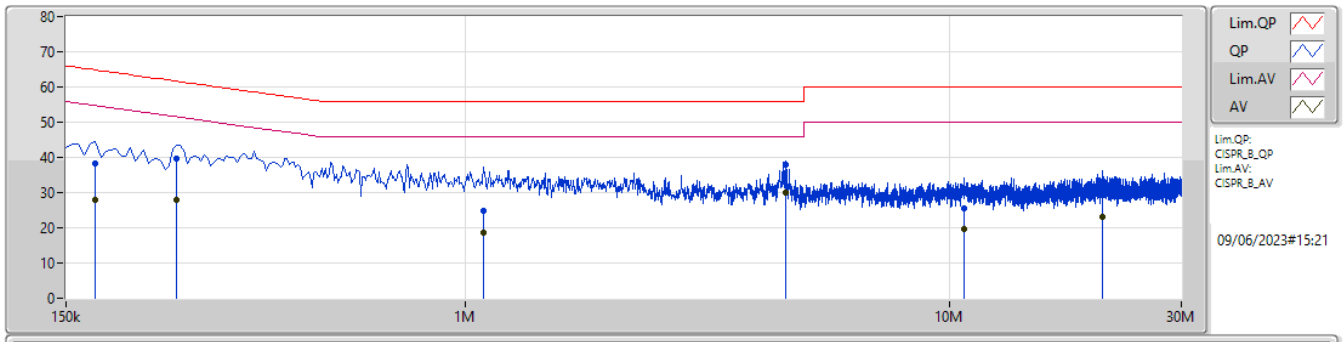
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

Summary

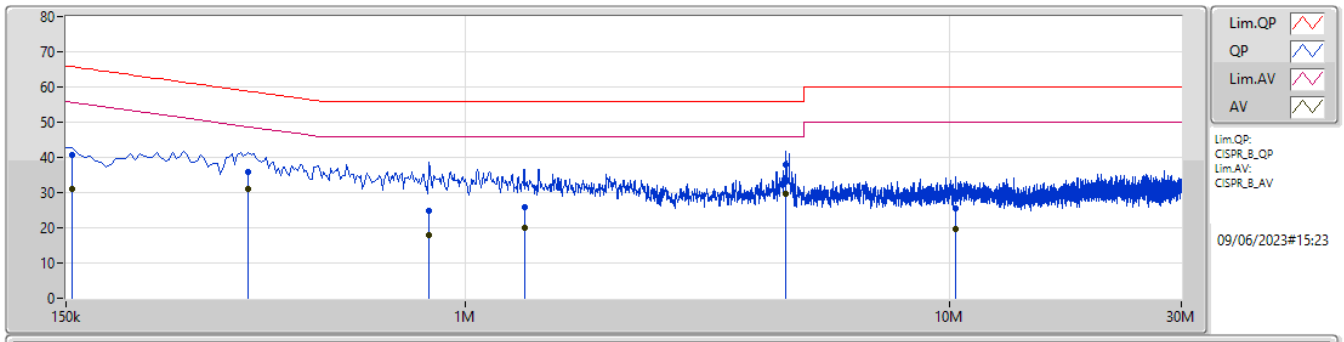
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	4.587M	29.86	46.00	-16.14	Line

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.5k	38.37	64.83	-26.46	10.00	Line	-	28.37	0.09	0.04	9.87
AV	172.5k	27.95	54.83	-26.88	10.00	Line	-	17.95	0.09	0.04	9.87
QP	253.5k	39.62	61.64	-22.02	10.00	Line	-	29.62	0.08	0.05	9.87
AV	253.5k	27.92	51.64	-23.72	10.00	Line	-	17.92	0.08	0.05	9.87
QP	1.091M	24.95	56.00	-31.05	10.06	Line	-	14.89	0.11	0.05	9.90
AV	1.091M	18.65	46.00	-27.35	10.06	Line	-	8.59	0.11	0.05	9.90
QP	4.587M	37.84	56.00	-18.16	10.20	Line	-	27.64	0.18	0.11	9.91
AV	4.587M	29.86	46.00	-16.14	10.20	Line	"Worst"	19.66	0.18	0.11	9.91
QP	10.698M	25.62	60.00	-34.38	10.36	Line	-	15.26	0.25	0.16	9.95
AV	10.698M	19.77	50.00	-30.23	10.36	Line	-	9.41	0.25	0.16	9.95
QP	20.657M	29.37	60.00	-30.63	10.55	Line	-	18.82	0.30	0.23	10.02
AV	20.657M	22.99	50.00	-27.01	10.55	Line	-	12.44	0.30	0.23	10.02

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	40.84	65.75	-24.91	9.98	Neutral	-	30.86	0.07	0.04	9.87
AV	154.5k	31.12	55.75	-24.63	9.98	Neutral	-	21.14	0.07	0.04	9.87
QP	357k	35.95	58.79	-22.84	10.02	Neutral	-	25.93	0.07	0.06	9.89
AV	357k	30.87	48.79	-17.92	10.02	Neutral	-	20.85	0.07	0.06	9.89
QP	843k	24.73	56.00	-31.27	10.02	Neutral	-	14.71	0.08	0.04	9.90
AV	843k	18.08	46.00	-27.92	10.02	Neutral	-	8.06	0.08	0.04	9.90
QP	1.325M	25.71	56.00	-30.29	10.05	Neutral	-	15.66	0.09	0.06	9.90
AV	1.325M	19.94	46.00	-26.06	10.05	Neutral	-	9.89	0.09	0.06	9.90
QP	4.587M	37.80	56.00	-18.20	10.17	Neutral	-	27.63	0.15	0.11	9.91
AV	4.587M	29.79	46.00	-16.21	10.17	Neutral	"Worst"	19.62	0.15	0.11	9.91
QP	10.253M	25.45	60.00	-34.55	10.33	Neutral	-	15.12	0.23	0.16	9.94
AV	10.253M	19.58	50.00	-30.42	10.33	Neutral	-	9.25	0.23	0.16	9.94

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)_2TX	8.025M	13.153M	13M2G1D	7.025M	10.343M
802.11g_Nss1,(6Mbps)_2TX	16.35M	19.835M	19M8D1D	16.325M	16.646M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.075M	21.679M	21M7D1D	18.725M	18.916M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.55M	37.545M	37M5D1D	36.65M	37.46M

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

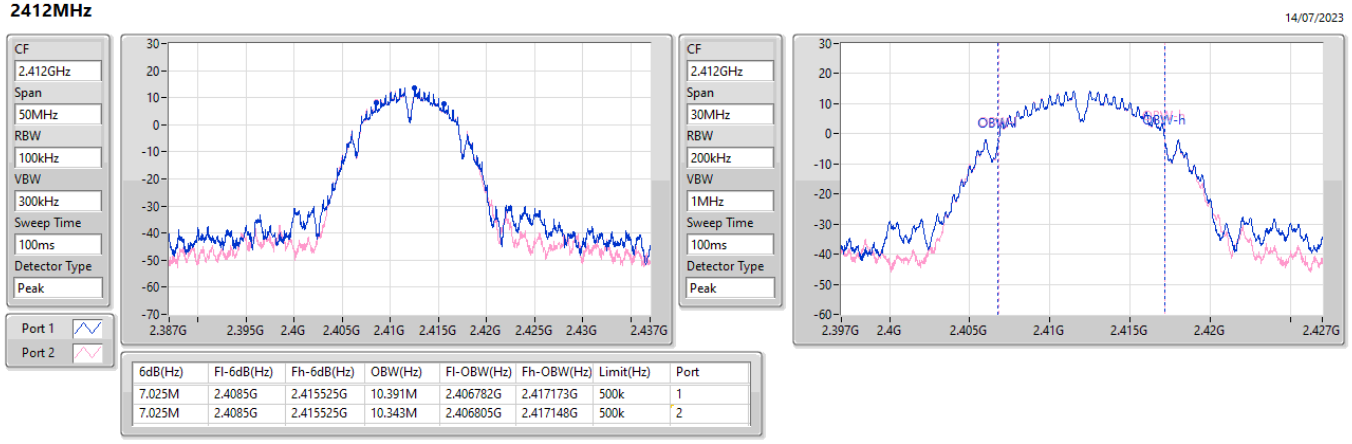
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.391M	7.025M	10.343M
2437MHz	Pass	500k	8.025M	13.153M	7.525M	12.493M
2462MHz	Pass	500k	7.025M	10.377M	7.05M	10.416M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.807M	16.35M	16.701M
2437MHz	Pass	500k	16.325M	19.835M	16.325M	18.036M
2462MHz	Pass	500k	16.325M	16.748M	16.35M	16.646M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.075M	18.916M	19.05M	18.941M
2437MHz	Pass	500k	18.825M	21.679M	18.725M	19.439M
2462MHz	Pass	500k	18.95M	19.022M	18.925M	19.05M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.522M	37.5M	37.545M
2437MHz	Pass	500k	37.55M	37.513M	37.35M	37.505M
2452MHz	Pass	500k	37.55M	37.511M	36.65M	37.46M

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)_2TX **EBW**

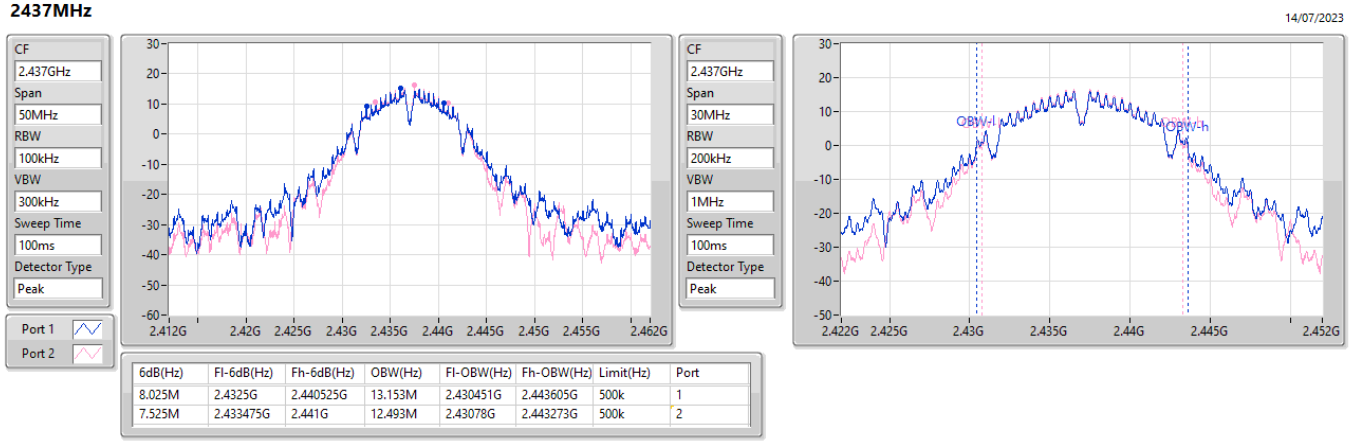
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.4085G	2.415525G	10.391M	2.406782G	2.417173G	500k	1
7.025M	2.4085G	2.415525G	10.343M	2.406805G	2.417148G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

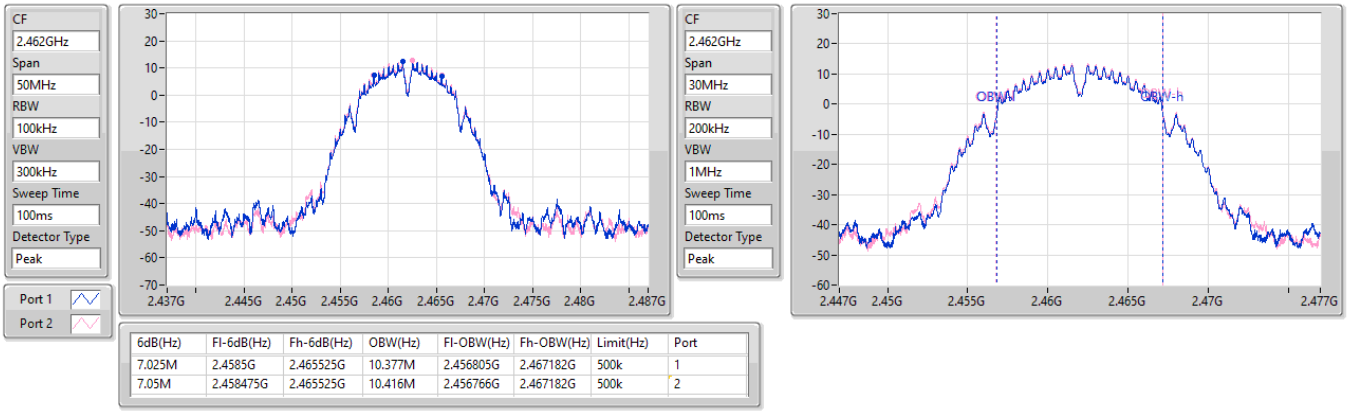


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.4325G	2.440525G	13.153M	2.430451G	2.443605G	500k	1
7.525M	2.433475G	2.441G	12.493M	2.43078G	2.443273G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2462MHz

14/07/2023

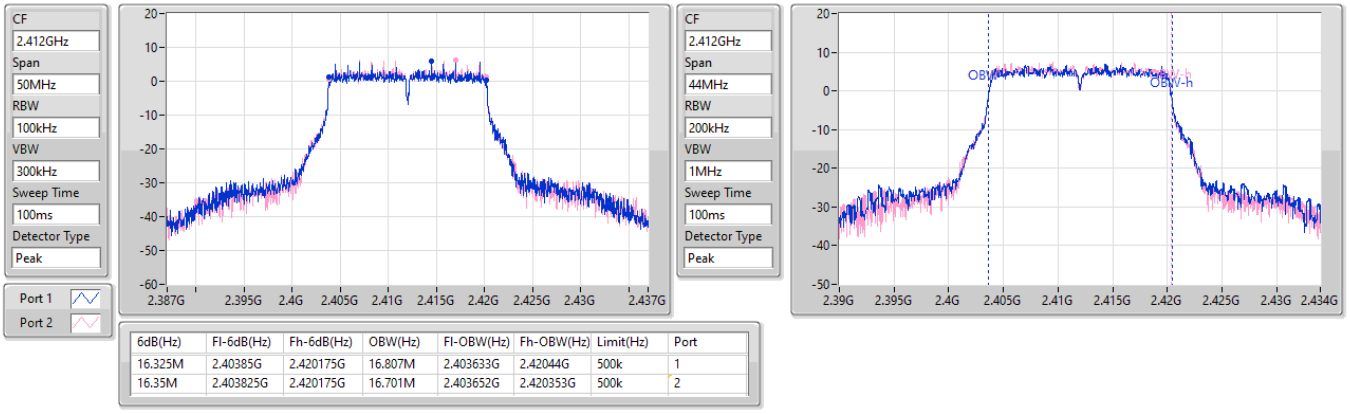


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.4585G	2.465525G	10.377M	2.456805G	2.467182G	500k	1
7.05M	2.458475G	2.465525G	10.416M	2.456766G	2.467182G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

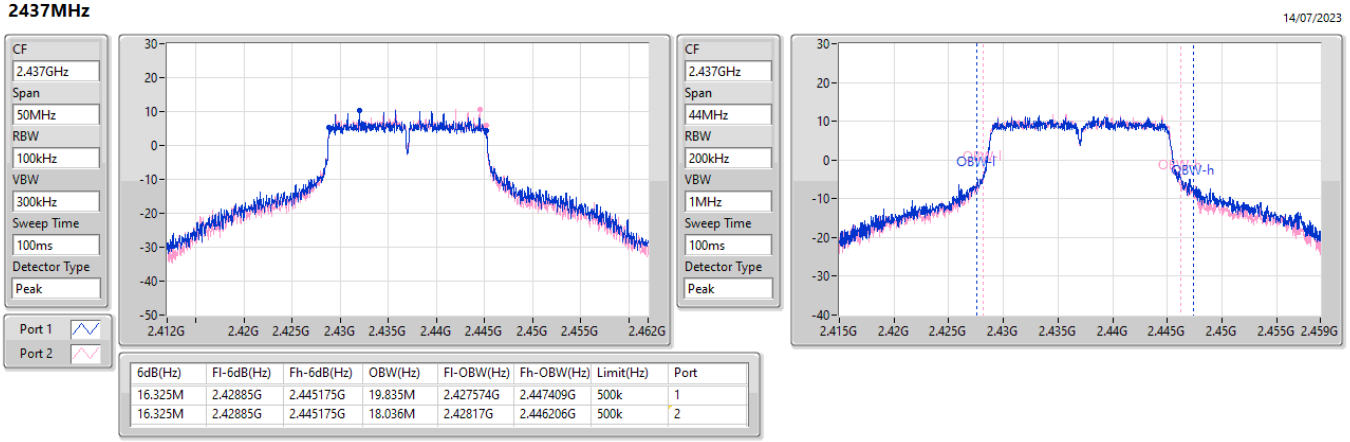
14/07/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.40385G	2.420175G	16.807M	2.403633G	2.42044G	500k	1
16.35M	2.403825G	2.420175G	16.701M	2.403652G	2.420353G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

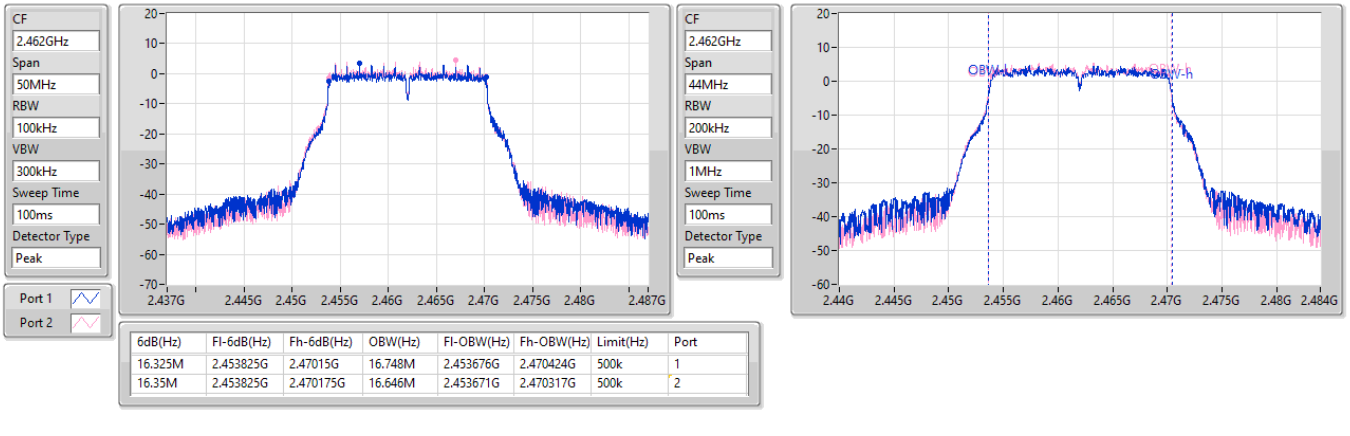
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	19.835M	2.427574G	2.447409G	500k	1
16.325M	2.42885G	2.445175G	18.036M	2.42817G	2.446206G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

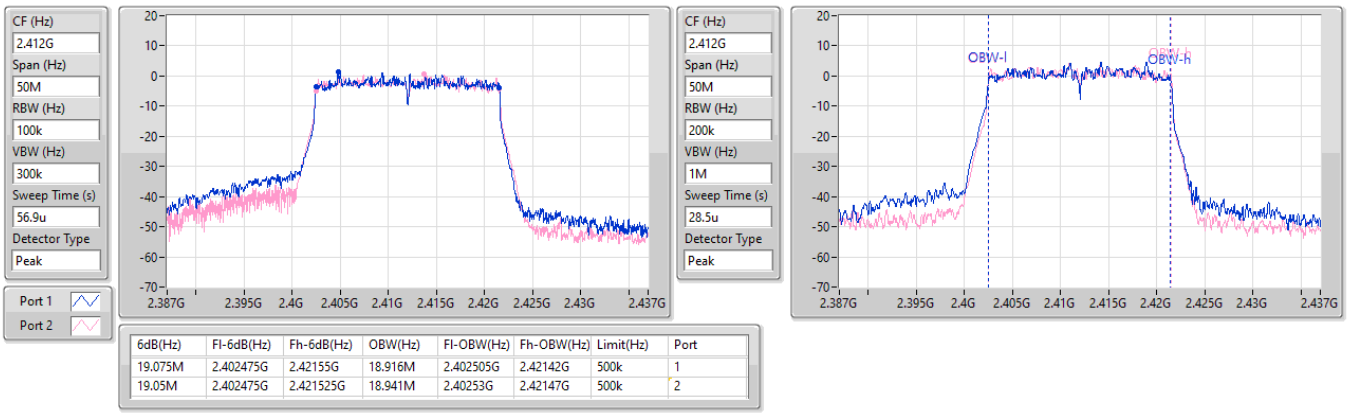


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.748M	2.453676G	2.470424G	500k	1
16.35M	2.453825G	2.470175G	16.646M	2.453671G	2.470317G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

2412MHz

19/07/2023

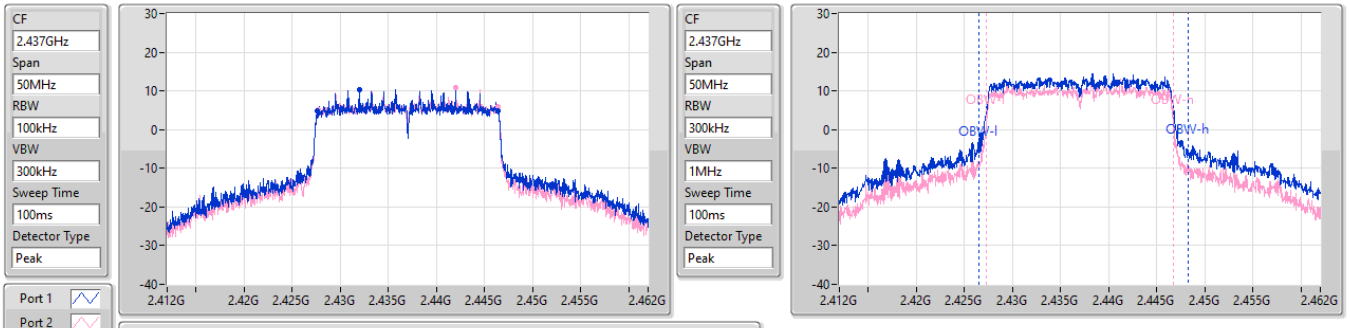


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	2.402475G	2.42155G	18.916M	2.402505G	2.42142G	500k	1
19.05M	2.402475G	2.421525G	18.941M	2.40253G	2.42147G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

2437MHz

14/07/2023

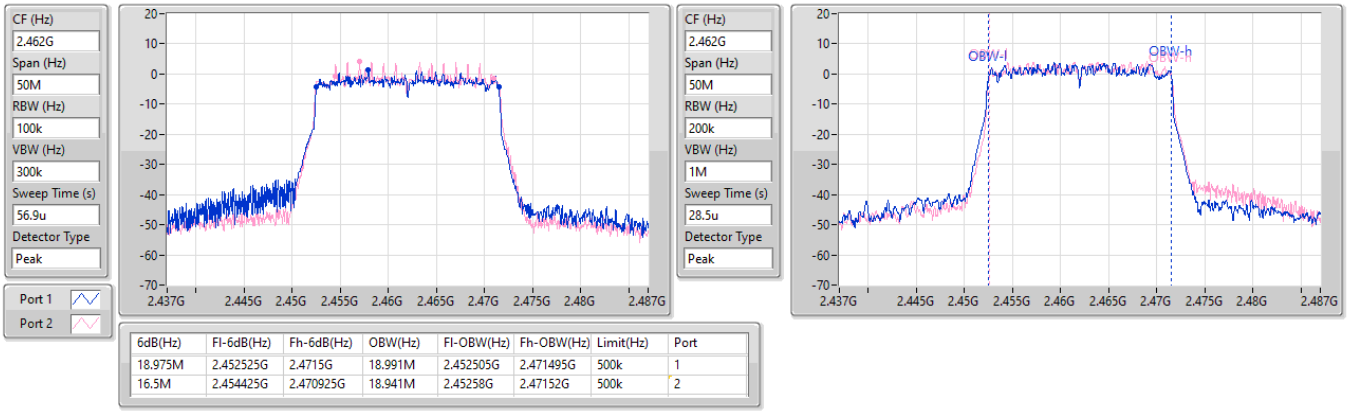


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.825M	2.427625G	2.44645G	21.679M	2.42653G	2.448209G	500k	1
18.725M	2.427725G	2.44645G	19.439M	2.427298G	2.446737G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

2462MHz

19/07/2023

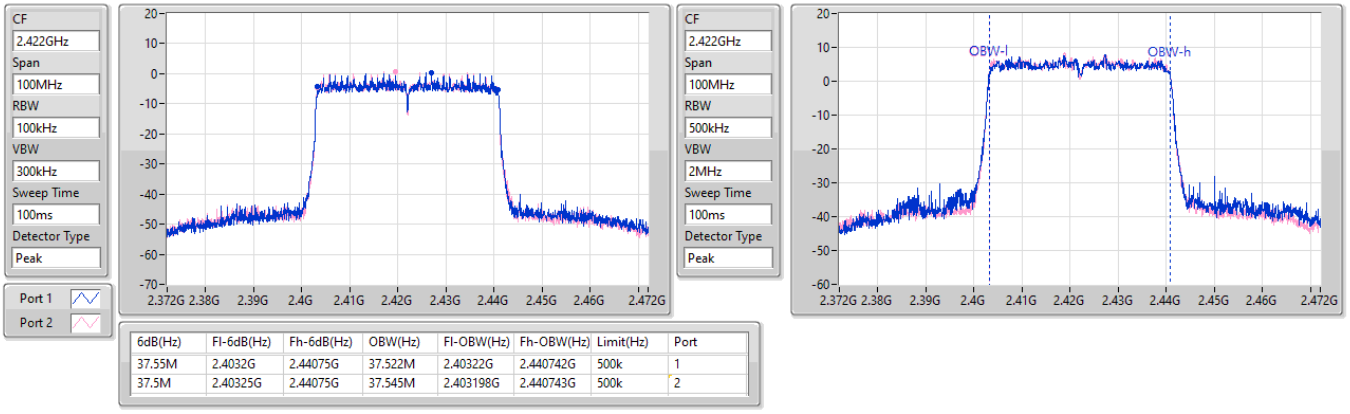


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.452525G	2.4715G	18.991M	2.452505G	2.471495G	500k	1
16.5M	2.454425G	2.470925G	18.941M	2.45258G	2.47152G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

2422MHz

14/07/2023

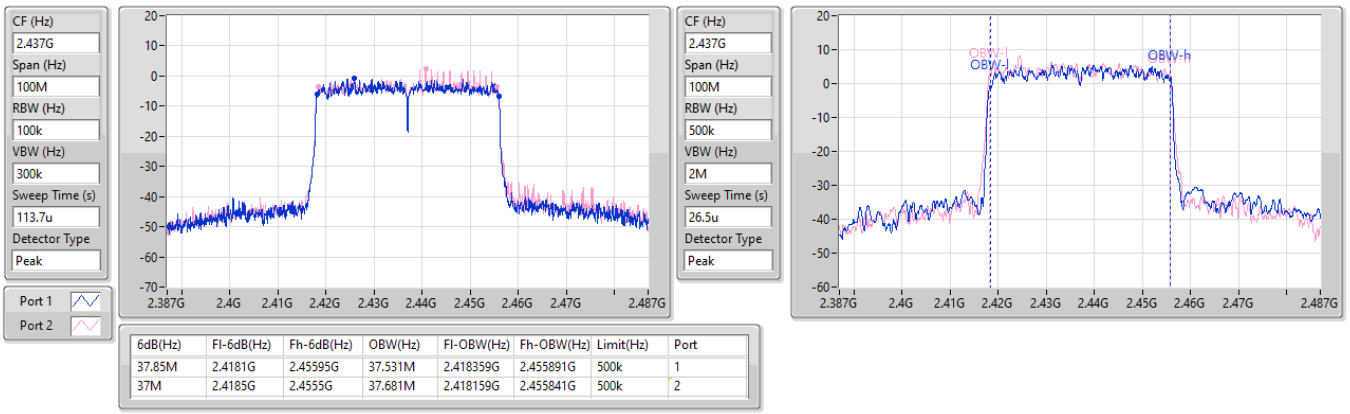


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4032G	2.44075G	37.522M	2.40322G	2.440742G	500k	1
37.5M	2.40325G	2.44075G	37.545M	2.403198G	2.440743G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

2437MHz

19/07/2023

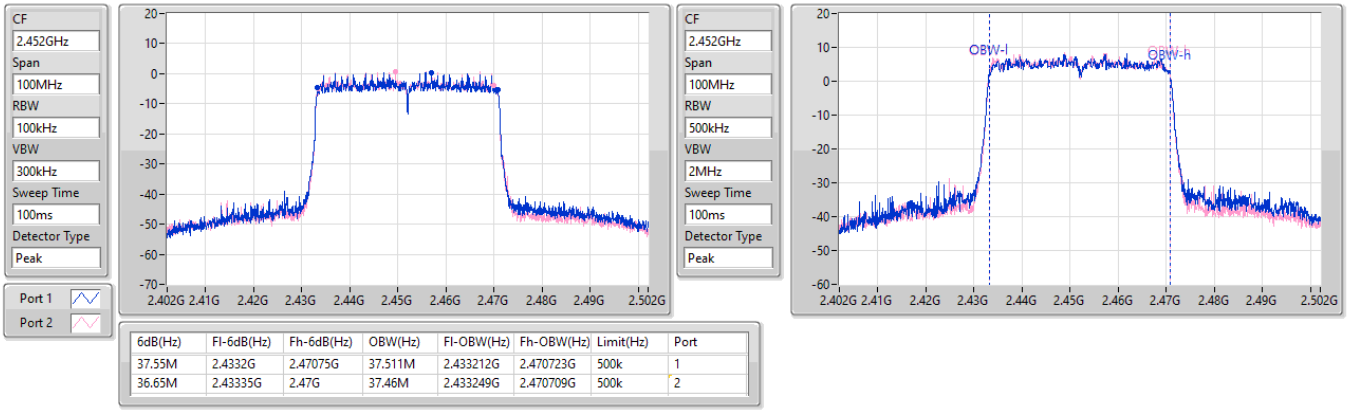


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.85M	2.4181G	2.45595G	37.531M	2.418359G	2.455891G	500k	1
37M	2.4185G	2.4555G	37.681M	2.418159G	2.455841G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

2452MHz

14/07/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4332G	2.47075G	37.511M	2.433212G	2.470723G	500k	1
36.65M	2.43335G	2.47G	37.46M	2.433249G	2.470709G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.29	0.42560
802.11g_Nss1,(6Mbps)_2TX	24.16	0.26062
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.38	0.27416
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.15	0.08222

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.41	21.10	21.08	24.10	30.00
2417MHz	Pass	5.41	21.51	21.98	24.76	30.00
2437MHz	Pass	5.41	23.05	23.50	26.29	30.00
2457MHz	Pass	5.41	20.67	20.87	23.78	30.00
2462MHz	Pass	5.41	19.67	20.03	22.86	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.41	16.94	17.51	20.24	30.00
2417MHz	Pass	5.41	18.56	19.07	21.83	30.00
2437MHz	Pass	5.41	20.99	21.31	24.16	30.00
2457MHz	Pass	5.41	17.13	17.84	20.51	30.00
2462MHz	Pass	5.41	14.64	15.22	17.95	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	15.09	15.38	18.25	30.00
2417MHz	Pass	5.46	18.01	18.36	21.20	30.00
2437MHz	Pass	5.46	21.21	21.52	24.38	30.00
2457MHz	Pass	5.46	17.67	18.04	20.87	30.00
2462MHz	Pass	5.46	15.27	15.72	18.51	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.46	14.43	14.74	17.60	30.00
2437MHz	Pass	5.46	15.97	16.31	19.15	30.00
2452MHz	Pass	5.46	14.67	15.01	17.85	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.58
802.11g_Nss1,(6Mbps)_2TX	-1.95
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-3.55
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-10.33

RBW = 3kHz;

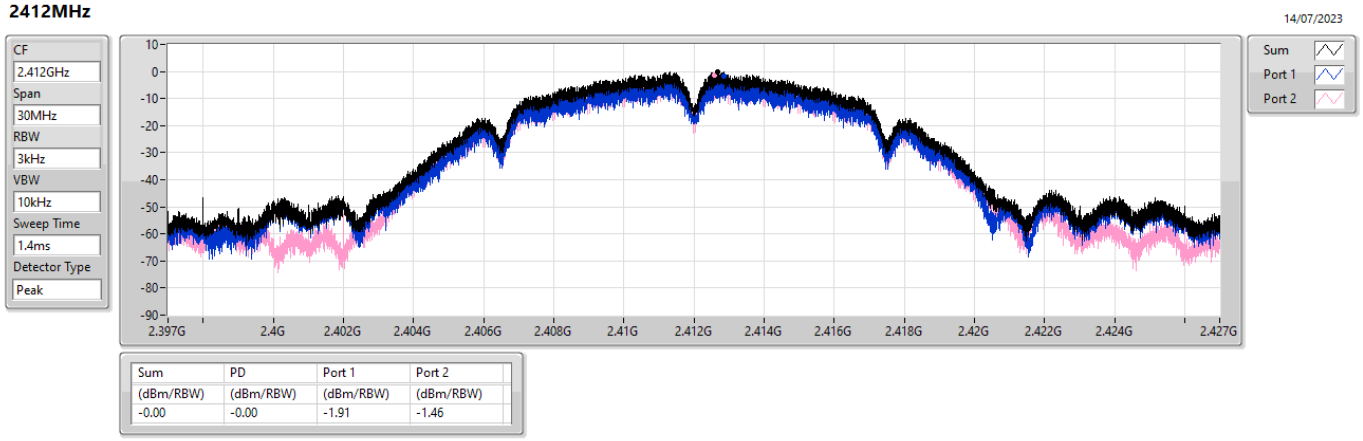
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	-1.91	-1.46	0.00	8.00
2437MHz	Pass	5.46	-0.37	1.24	2.58	8.00
2462MHz	Pass	5.46	-2.6	-2.15	-0.59	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	-8.65	-7.71	-5.41	8.00
2437MHz	Pass	5.46	-4.43	-3.12	-1.95	8.00
2462MHz	Pass	5.46	-10.79	-10.08	-8.11	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	-9.75	-9.09	-6.40	8.00
2437MHz	Pass	5.46	-5.64	-5.63	-3.55	8.00
2462MHz	Pass	5.46	-11.81	-8.56	-6.88	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.46	-15.04	-15.02	-12.12	8.00
2437MHz	Pass	5.46	-13.31	-12.64	-10.33	8.00
2452MHz	Pass	5.46	-15.16	-13.48	-11.77	8.00

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

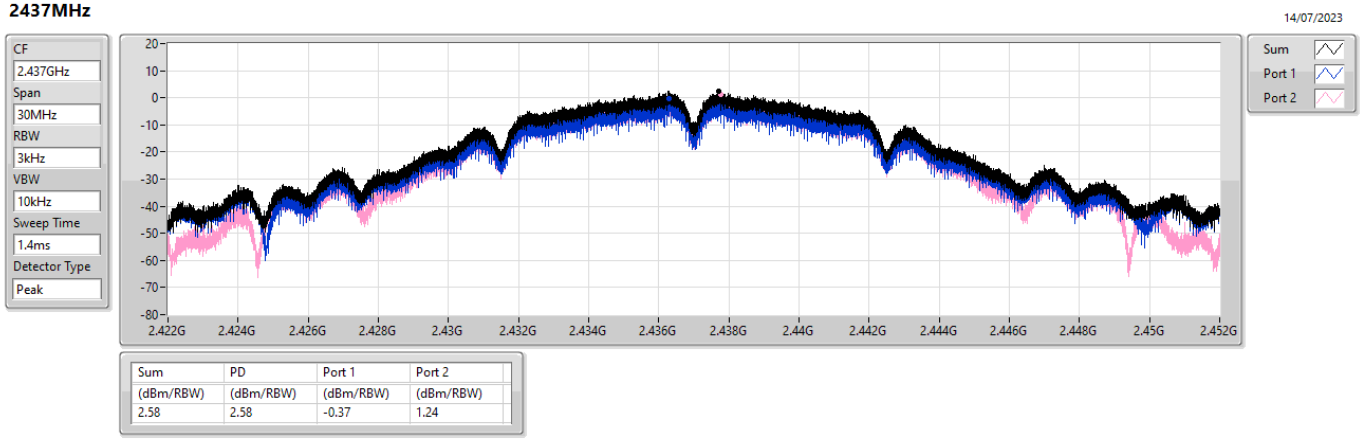
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.00	-0.00	-1.91	-1.46

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

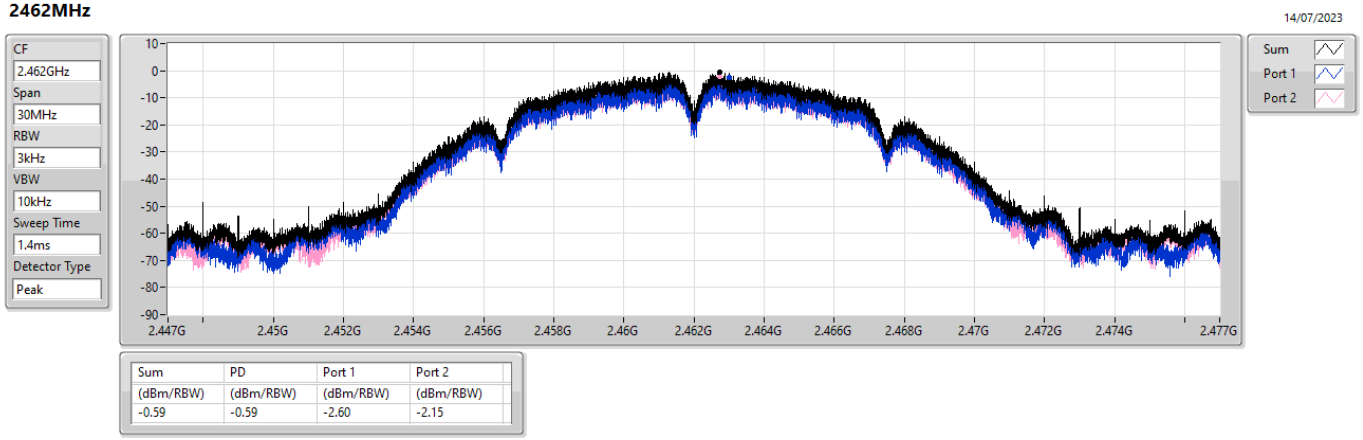
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.58	2.58	-0.37	1.24

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

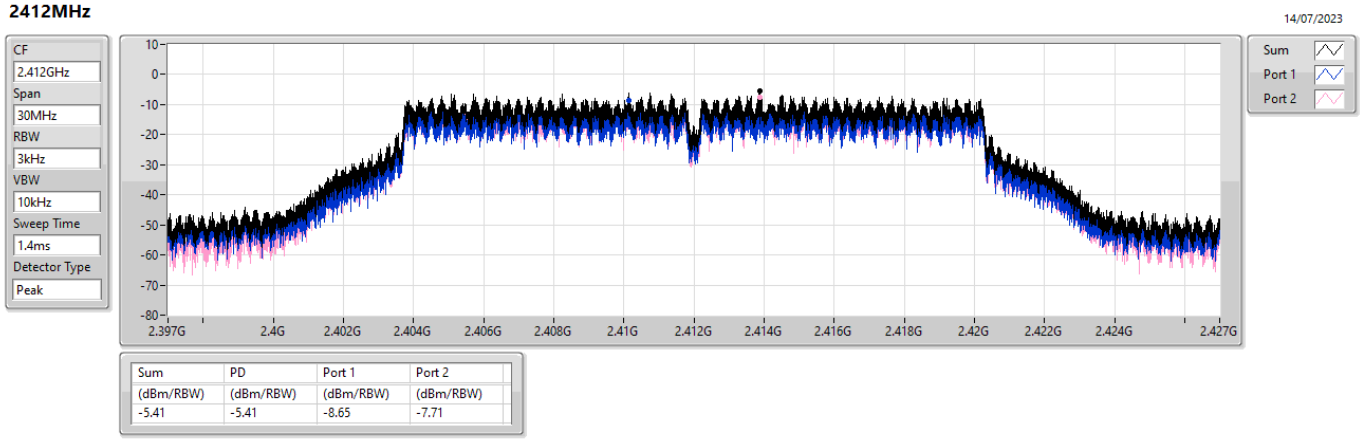
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-2.60	-2.15

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

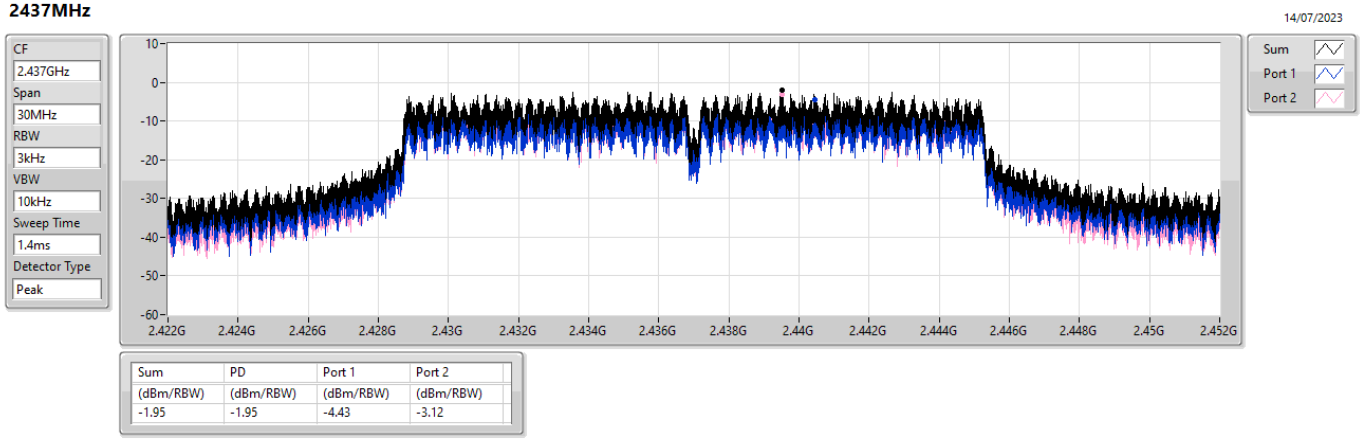
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.41	-5.41	-8.65	-7.71

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

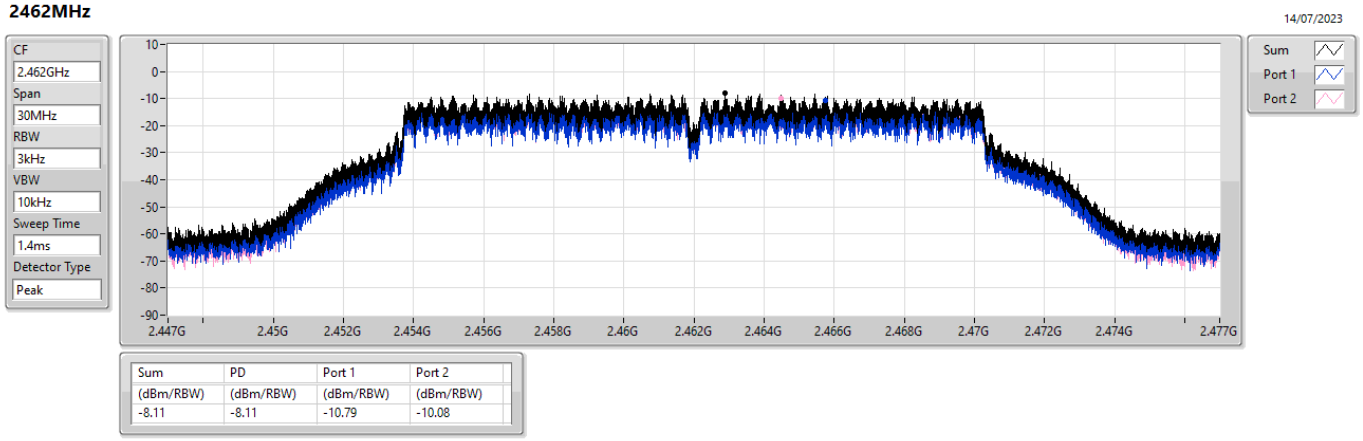
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.95	-1.95	-4.43	-3.12

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

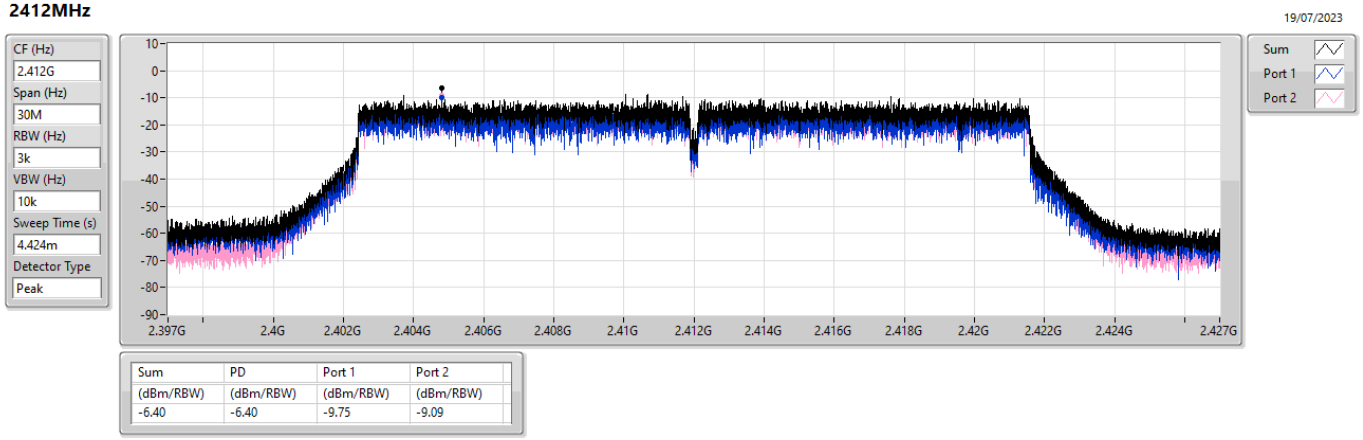
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.11	-8.11	-10.79	-10.08

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

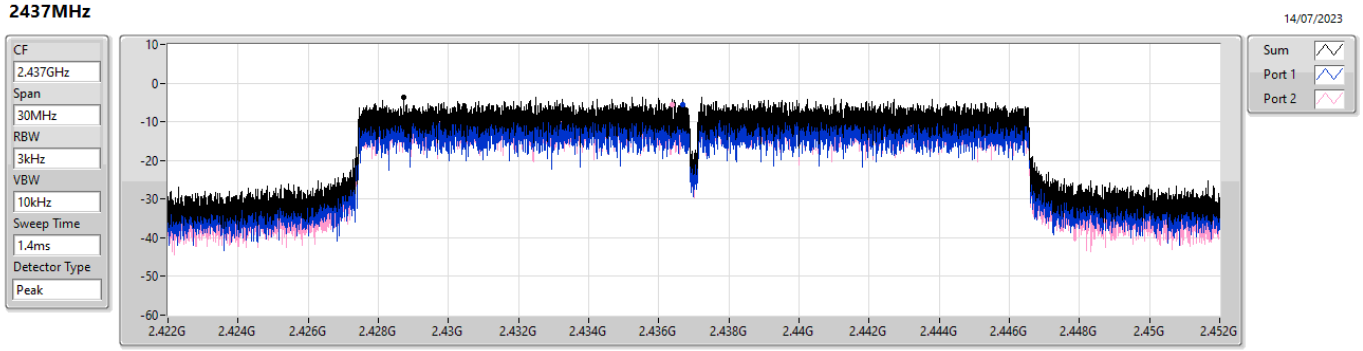
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.40	-6.40	-9.75	-9.09

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

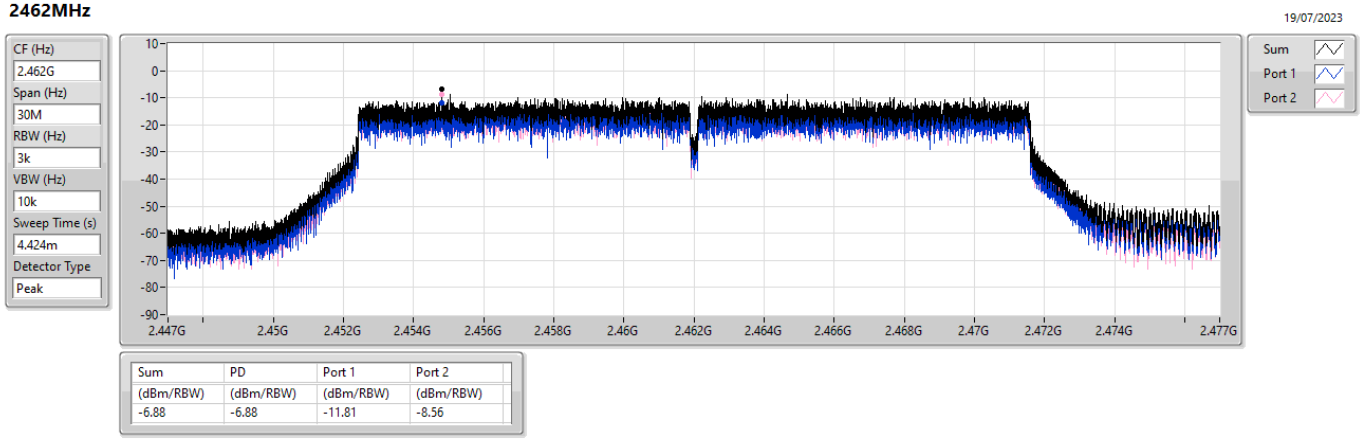
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.55	-3.55	-5.64	-5.63

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

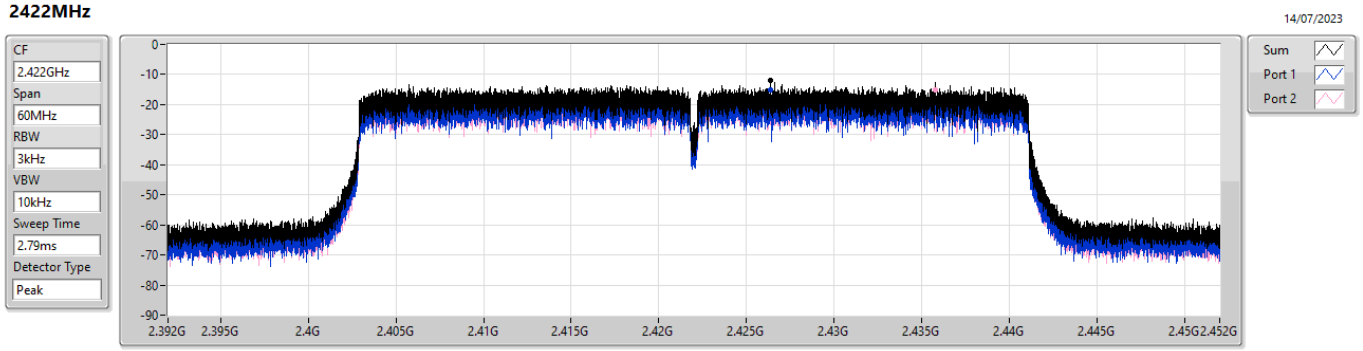
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.88	-6.88	-11.81	-8.56

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **PSD**

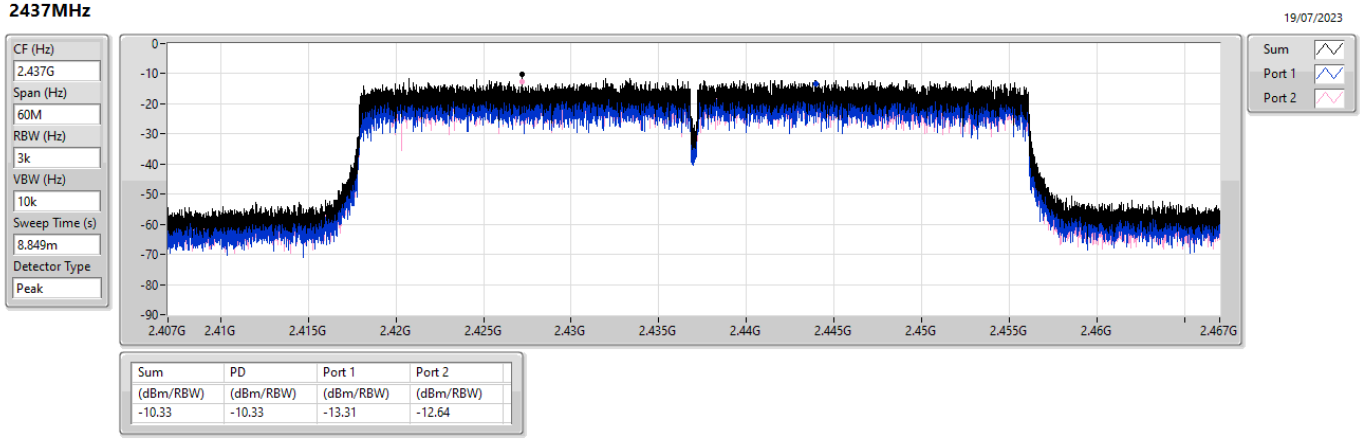
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.12	-12.12	-15.04	-15.02

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **PSD**

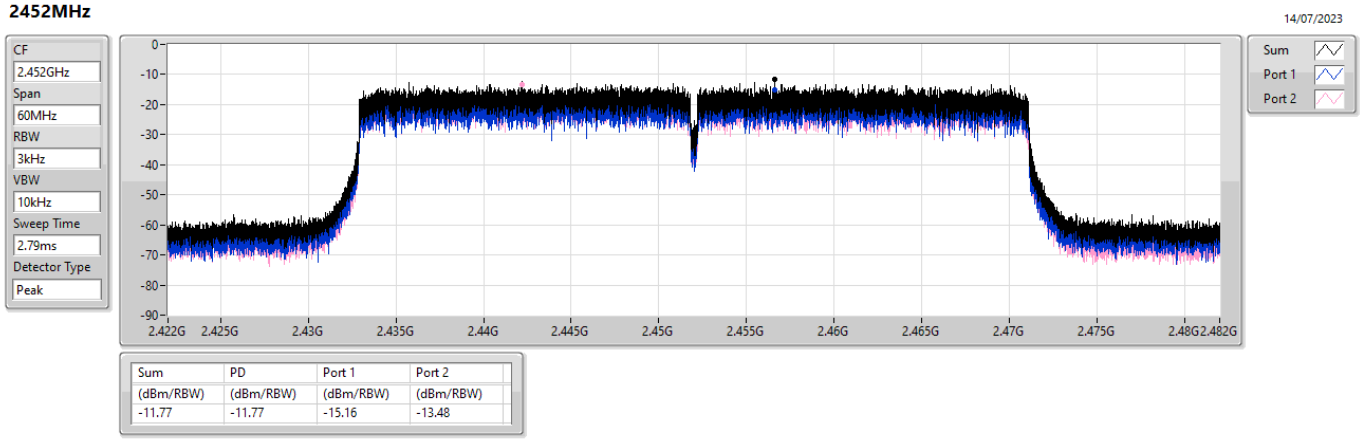
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.33	-10.33	-13.31	-12.64

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.77	-11.77	-15.16	-13.48

Summary

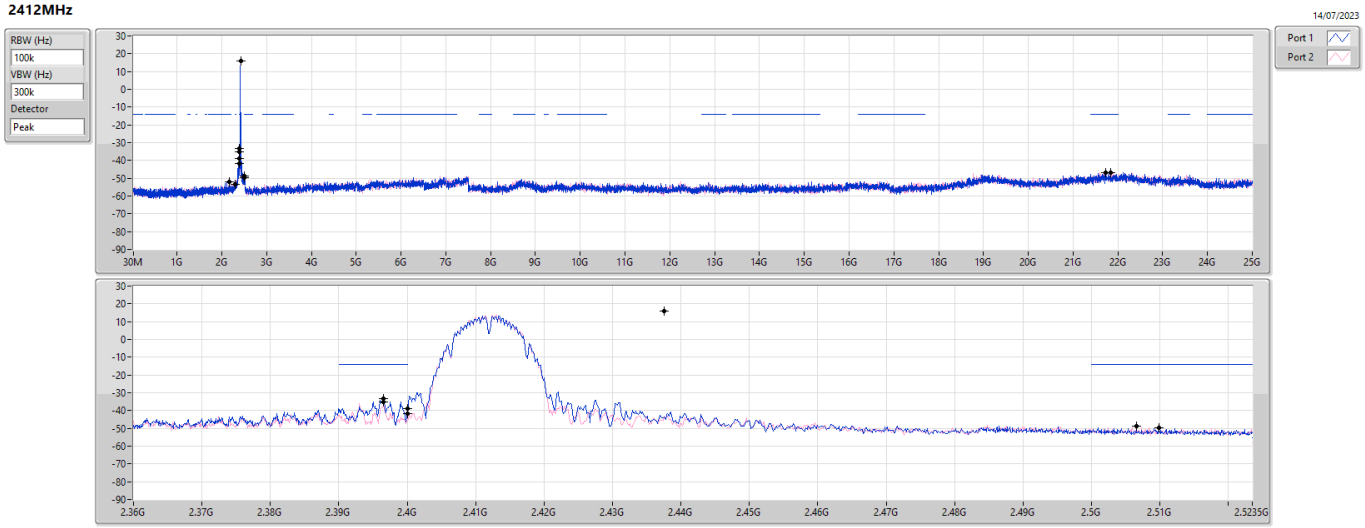
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43758G	16.11	-13.89	2.17127G	-52.17	2.39656G	-33.48	2.4G	-38.90	2.50982G	-49.51	21.84486G	-46.81	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43941G	10.66	-19.34	2.09205G	-53.63	2.3992G	-27.63	2.4G	-29.33	2.51054G	-49.79	21.93196G	-46.75	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.44192G	10.09	-19.91	2.16428G	-53.63	2.39992G	-31.82	2.4G	-32.55	2.50526G	-50.47	7.23514G	-45.61	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.4319G	2.71	-27.29	2.30512G	-53.49	2.39968G	-38.75	2.4G	-39.95	2.5003G	-45.73	21.97107G	-47.95	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	16.11	-13.89	2.17127G	-52.17	2.39656G	-33.48	2.4G	-38.90	2.50982G	-49.51	21.84486G	-46.81	1
2412MHz	Pass	2.43758G	16.11	-13.89	2.30758G	-53.60	2.39656G	-35.17	2.4G	-41.91	2.50654G	-48.80	21.72124G	-46.75	2
2437MHz	Pass	2.43758G	16.11	-13.89	1.9872G	-53.86	2.39952G	-37.10	2.4G	-38.69	2.5111G	-47.60	21.94601G	-46.26	1
2437MHz	Pass	2.43758G	16.11	-13.89	2.30525G	-53.42	2.39952G	-38.90	2.4G	-48.48	2.50206G	-48.00	21.71281G	-46.41	2
2462MHz	Pass	2.43758G	16.11	-13.89	36.99M	-53.06	2.39504G	-49.18	2.4G	-51.21	2.50158G	-45.60	21.6791G	-47.61	1
2462MHz	Pass	2.43758G	16.11	-13.89	2.13283G	-53.61	2.39824G	-49.28	2.4G	-52.75	2.50494G	-47.83	21.65662G	-47.09	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43941G	10.66	-19.34	2.09205G	-53.63	2.3992G	-27.63	2.4G	-29.33	2.51054G	-49.79	21.93196G	-46.75	1
2412MHz	Pass	2.43941G	10.66	-19.34	2.30874G	-52.62	2.39984G	-27.71	2.4G	-28.10	2.50478G	-48.66	21.828G	-46.57	2
2437MHz	Pass	2.43941G	10.66	-19.34	2.30758G	-53.00	2.39928G	-33.57	2.4G	-34.74	2.50454G	-44.49	21.57795G	-46.96	1
2437MHz	Pass	2.43941G	10.66	-19.34	2.11652G	-53.23	2.3948G	-36.72	2.4G	-37.23	2.50038G	-45.47	21.92072G	-47.13	2
2462MHz	Pass	2.43941G	10.66	-19.34	1.96973G	-52.20	2.39528G	-50.16	2.4G	-52.86	2.50494G	-48.62	21.769G	-46.77	1
2462MHz	Pass	2.43941G	10.66	-19.34	2.16079G	-54.05	2.39016G	-49.54	2.4G	-53.01	2.50462G	-49.75	21.64257G	-46.67	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	10.09	-19.91	2.16428G	-53.63	2.39992G	-31.82	2.4G	-32.55	2.50526G	-50.47	7.23514G	-45.61	1
2412MHz	Pass	2.44192G	10.09	-19.91	2.30525G	-53.58	2.39992G	-33.83	2.4G	-34.70	2.50286G	-50.89	7.23514G	-44.78	2
2437MHz	Pass	2.44192G	10.09	-19.91	1.76585G	-53.29	2.39808G	-34.65	2.4G	-35.18	2.50102G	-43.09	21.63976G	-46.85	1
2437MHz	Pass	2.44192G	10.09	-19.91	2.30758G	-52.64	2.3992G	-34.67	2.4G	-37.47	2.5007G	-44.09	21.49367G	-46.74	2
2462MHz	Pass	2.44192G	10.09	-19.91	2.0571G	-53.38	2.39112G	-50.53	2.4G	-53.69	2.50046G	-47.21	21.49929G	-47.47	1
2462MHz	Pass	2.44192G	10.09	-19.91	1.89167G	-52.61	2.39272G	-50.75	2.4G	-52.82	2.50246G	-47.34	21.54986G	-46.18	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	2.71	-27.29	2.30626G	-51.39	2.39568G	-42.33	2.4G	-42.50	2.51038G	-51.69	21.90096G	-46.84	1
2422MHz	Pass	2.4319G	2.71	-27.29	2.30512G	-52.92	2.4G	-42.79	2.4G	-44.64	2.5387G	-50.71	21.71866G	-46.43	2
2437MHz	Pass	2.4319G	2.71	-27.29	2.30512G	-53.49	2.39968G	-38.75	2.4G	-39.95	2.5003G	-45.73	21.97107G	-47.95	1
2437MHz	Pass	2.4319G	2.71	-27.29	2.30855G	-52.80	2.39968G	-40.21	2.4G	-42.48	2.50222G	-48.19	21.48027G	-46.82	2
2452MHz	Pass	2.4319G	2.71	-27.29	2.30054G	-51.91	2.39392G	-50.96	2.4G	-51.97	2.50094G	-48.22	21.6794G	-47.03	1
2452MHz	Pass	2.4319G	2.71	-27.29	2.3097G	-52.49	2.39504G	-50.67	2.4G	-51.85	2.50206G	-48.68	22.00753G	-47.14	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

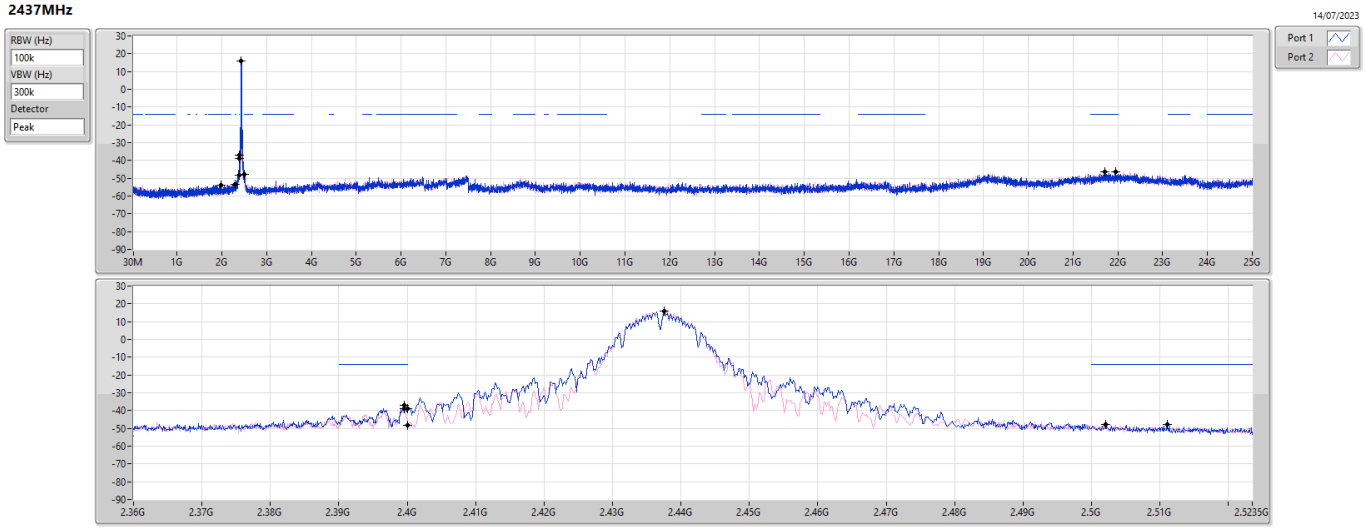
2412MHz



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
2.43758G	16.11	-13.89	2.17127G	-52.17	2.39656G	-33.48	2.4G	-38.90	2.50982G	-49.51	21.84486G	-46.81	1
2.43758G	16.11	-13.89	2.30758G	-53.60	2.39656G	-35.17	2.4G	-41.91	2.50654G	-48.80	21.72124G	-46.75	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

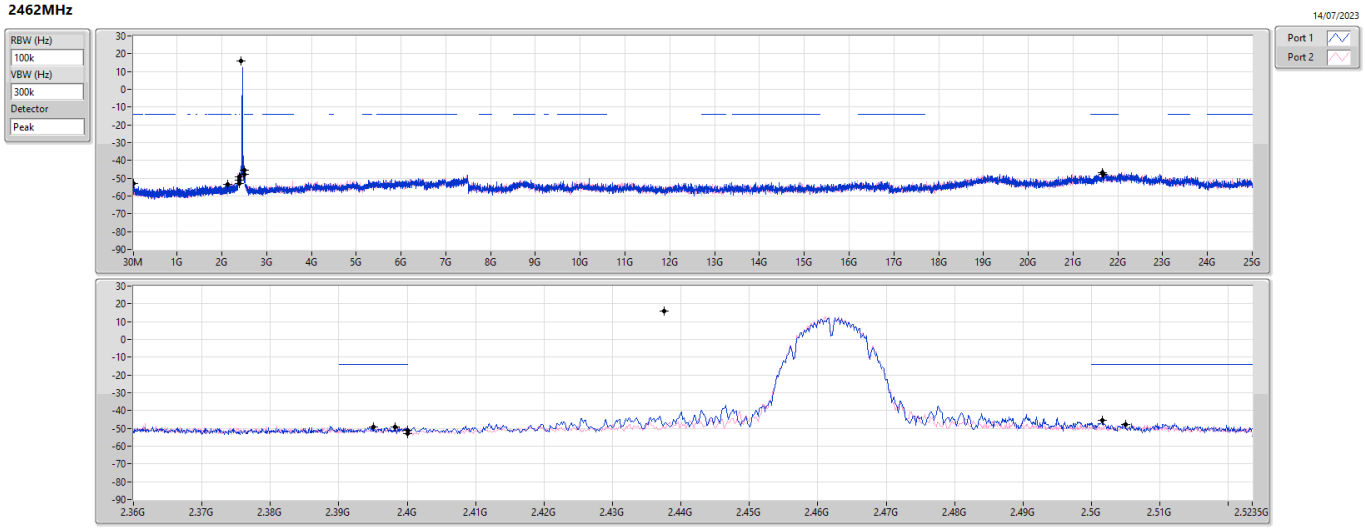
2437MHz



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
2.43758G	16.11	-13.89	1.9872G	-53.86	2.39952G	-37.10	2.4G	-38.69	2.5111G	-47.60	21.94601G	-46.26	1
2.43758G	16.11	-13.89	2.30525G	-53.42	2.39952G	-38.90	2.4G	-48.48	2.50206G	-48.00	21.71281G	-46.41	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

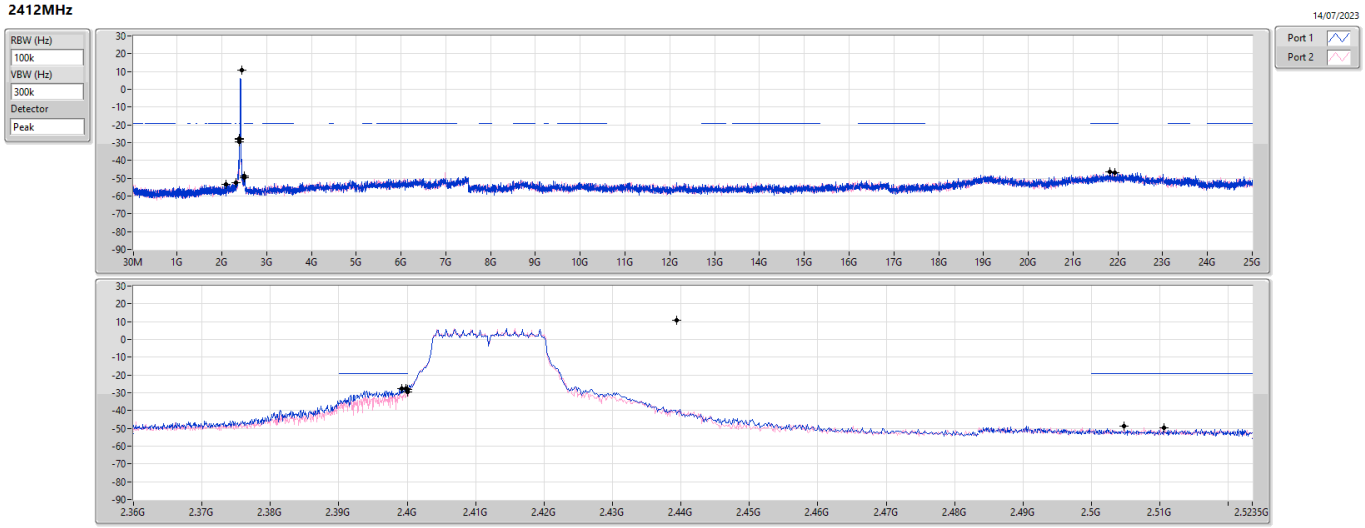
2462MHz



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
2.43758G	16.11	-13.89	36.99M	-53.06	2.39504G	-49.18	2.4G	-51.21	2.50158G	-45.60	21.6791G	-47.61	1
2.43758G	16.11	-13.89	2.13283G	-53.61	2.39824G	-49.28	2.4G	-52.75	2.50494G	-47.83	21.6566ZG	-47.09	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

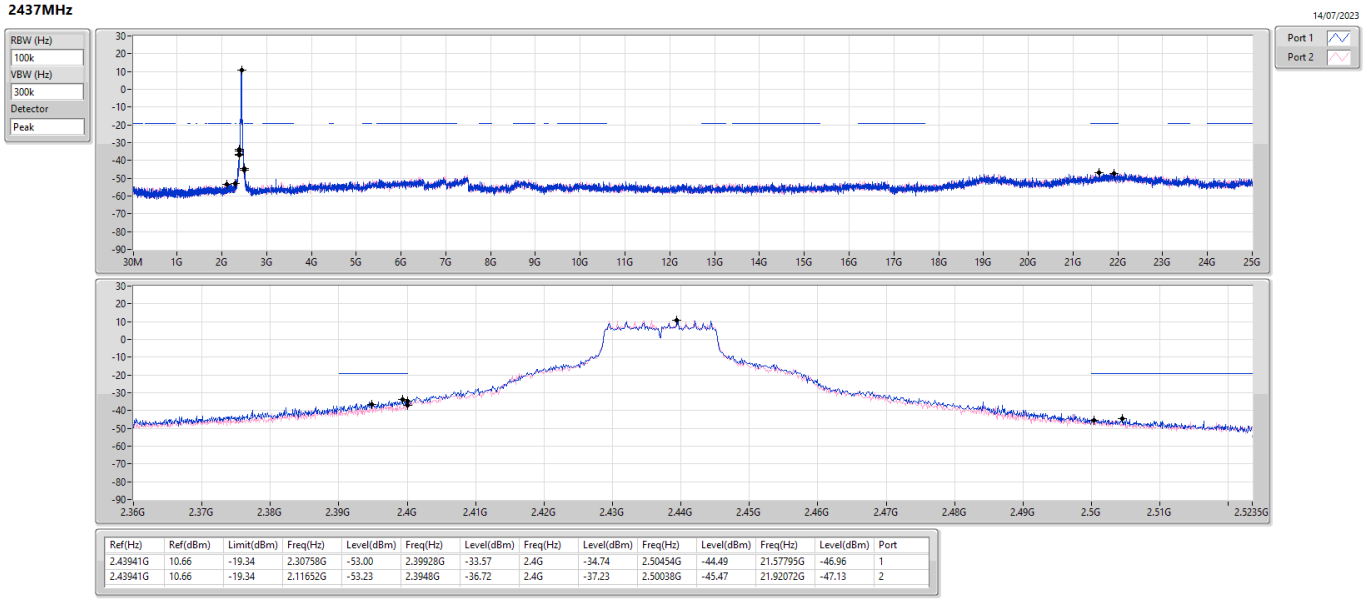
2412MHz



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
2.43941G	10.66	-19.34	2.09205G	-53.63	2.3992G	-27.63	2.4G	-29.33	2.51054G	-49.79	21.93196G	-46.75	1
2.43941G	10.66	-19.34	2.30874G	-52.62	2.39984G	-27.71	2.4G	-28.10	2.50478G	-48.66	21.828G	-46.57	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

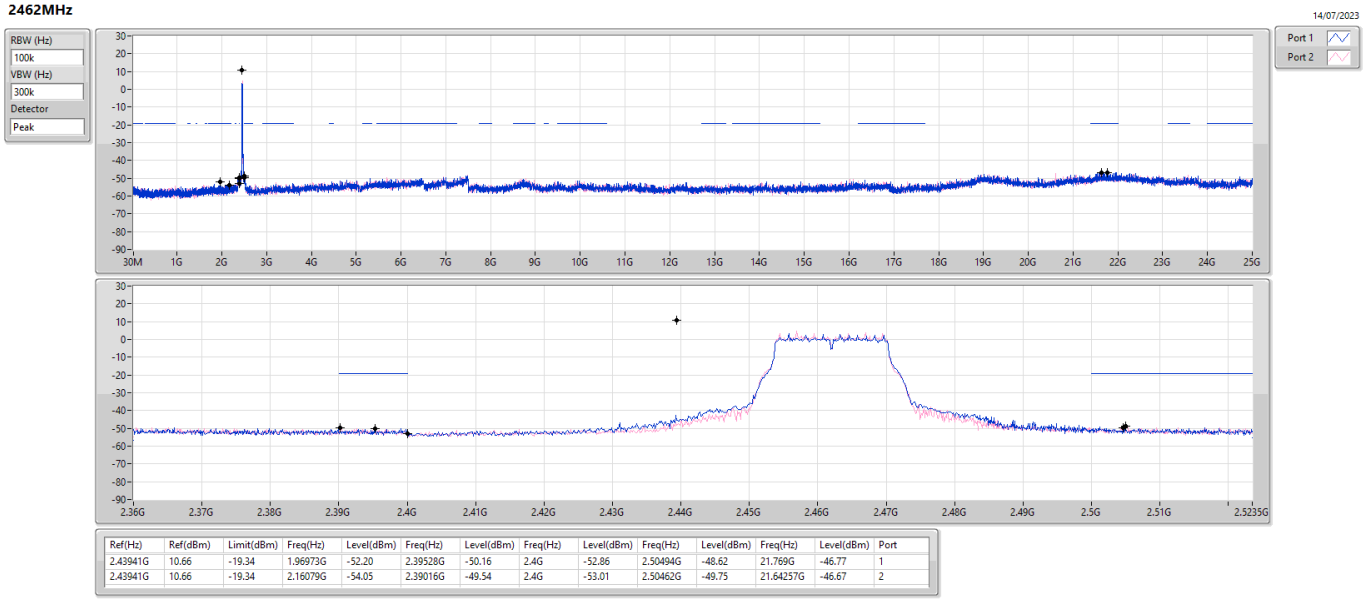
2437MHz



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
2.43941G	10.66	-19.34	2.30758G	-53.00	2.39928G	-33.57	2.4G	-34.74	2.50454G	-44.49	21.57795G	-46.96	1
2.43941G	10.66	-19.34	2.11652G	-53.23	2.3948G	-36.72	2.4G	-37.23	2.50038G	-45.47	21.92072G	-47.13	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

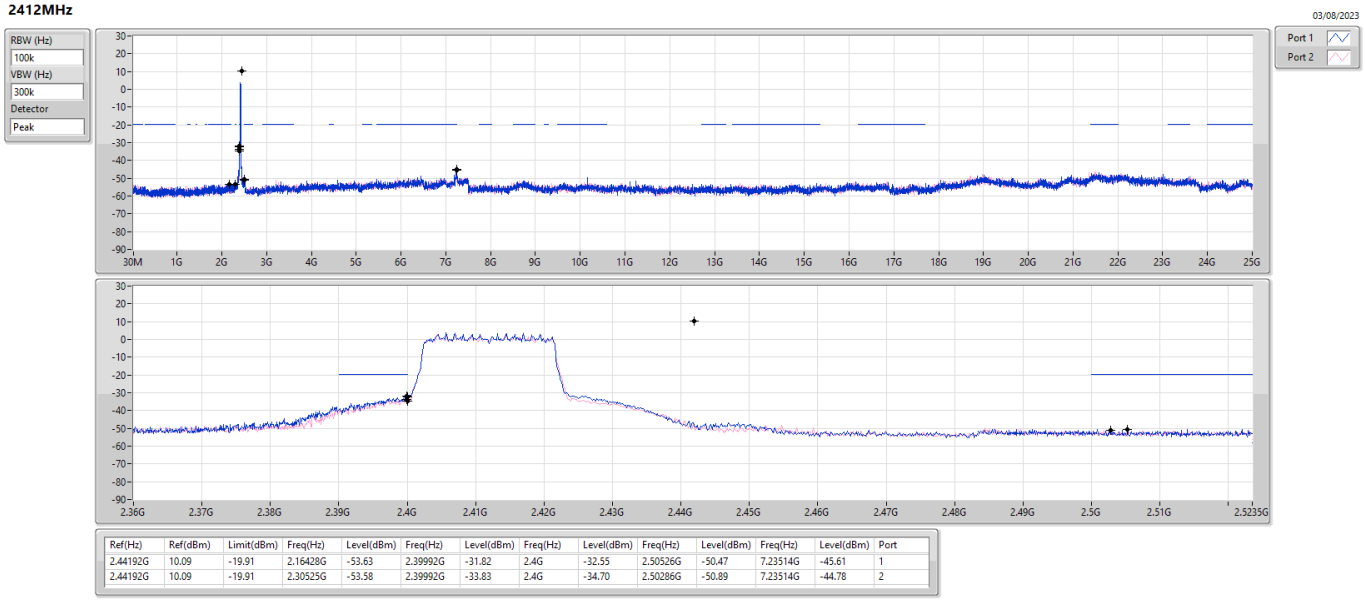
2462MHz



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
2.43941G	10.66	-19.34	1.96973G	-52.20	2.39528G	-50.16	2.4G	-52.86	2.50494G	-48.62	21.769G	-46.77	1
2.43941G	10.66	-19.34	2.16079G	-54.05	2.39016G	-49.54	2.4G	-53.01	2.50462G	-49.75	21.64257G	-46.67	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX CSENdB

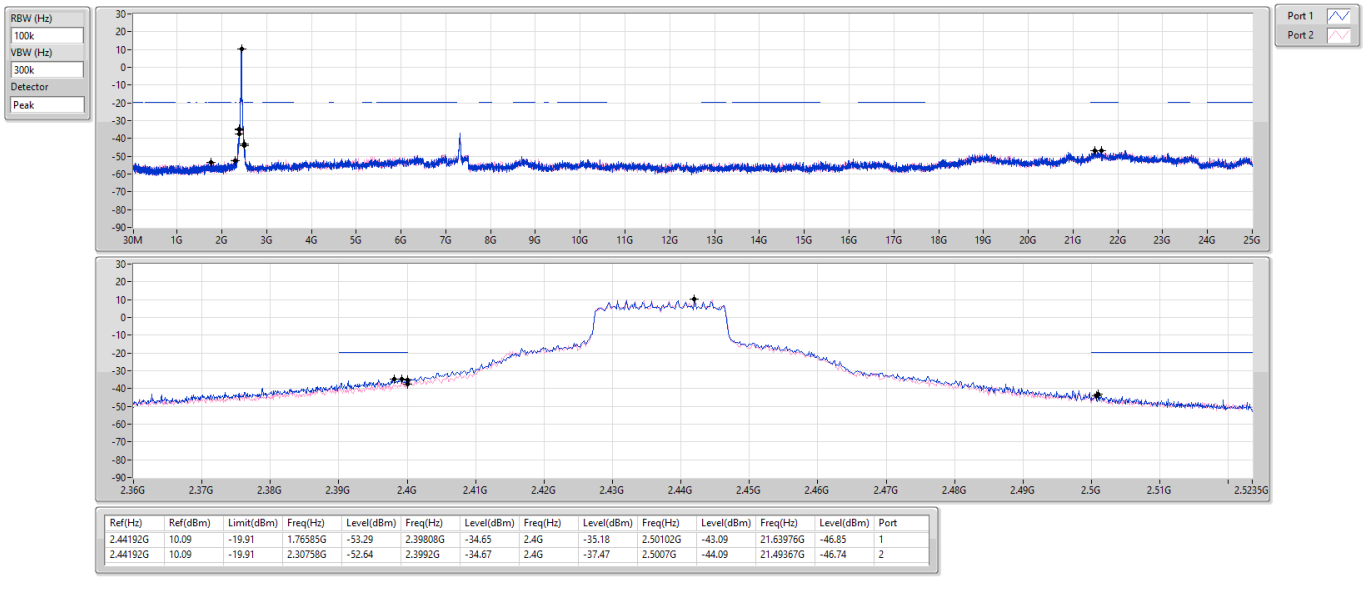
2412MHz



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
2.44192G	10.09	-19.91	2.16428G	-53.63	2.39992G	-31.82	2.4G	-32.55	2.50526G	-50.47	7.23514G	-45.61	1
2.44192G	10.09	-19.91	2.30525G	-53.58	2.39992G	-33.83	2.4G	-34.70	2.50286G	-50.89	7.23514G	-44.78	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX CSENdB

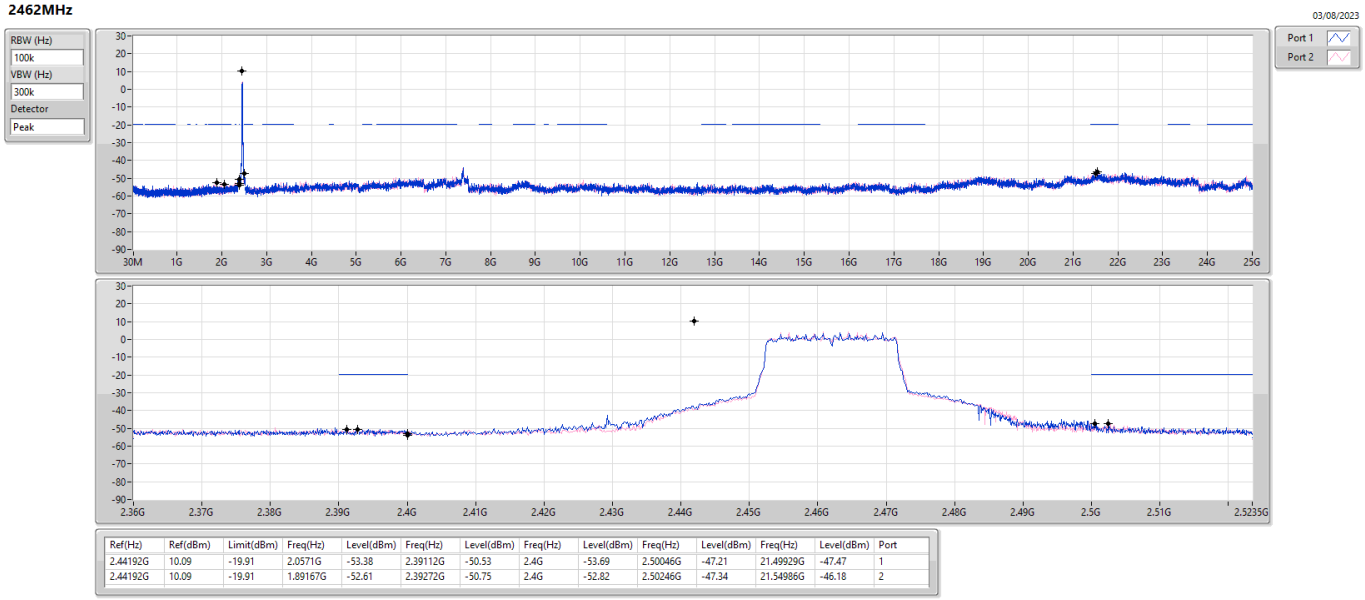
2437MHz



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
2.44192G	10.09	-19.91	1.76585G	-53.29	2.39808G	-34.65	2.4G	-35.18	2.50102G	-43.09	21.63976G	-46.85	1
2.44192G	10.09	-19.91	2.30758G	-52.64	2.3992G	-34.67	2.4G	-37.47	2.5007G	-44.09	21.49367G	-46.74	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX CSENdB

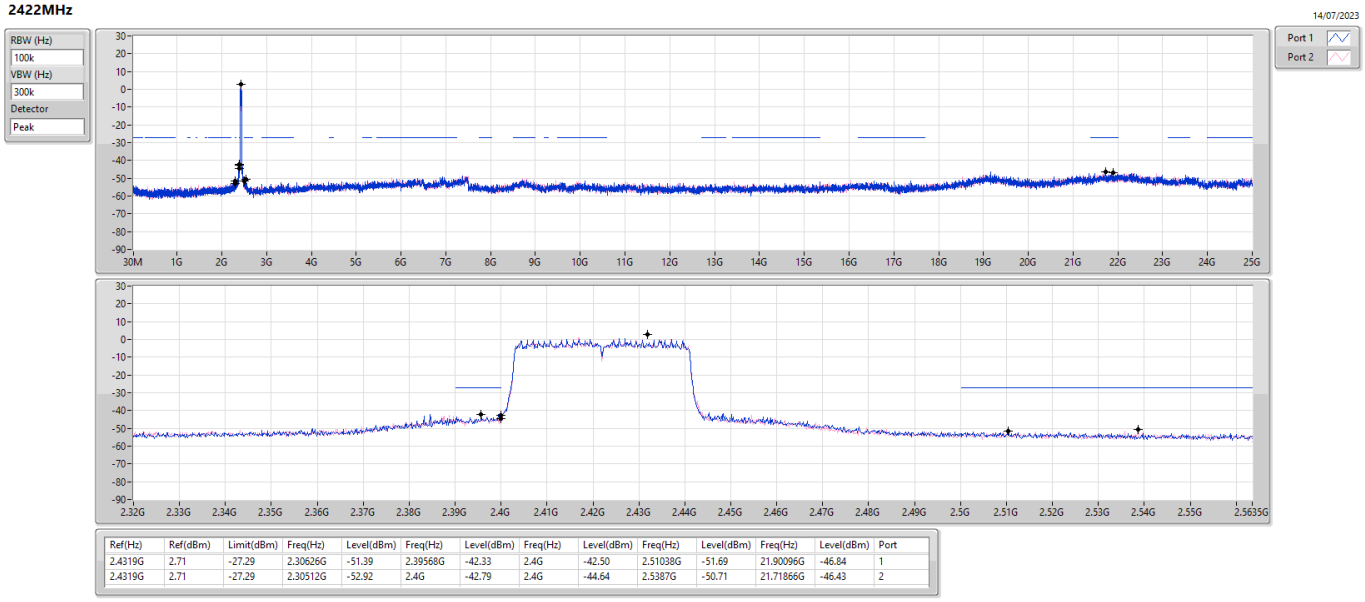
2462MHz



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
2.44192G	10.09	-19.91	2.0571G	-53.38	2.39112G	-50.53	2.4G	-53.69	2.50046G	-47.21	21.49929G	-47.47	1
2.44192G	10.09	-19.91	1.89167G	-52.61	2.39272G	-50.75	2.4G	-52.82	2.50246G	-47.34	21.54986G	-46.18	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX CSENdB

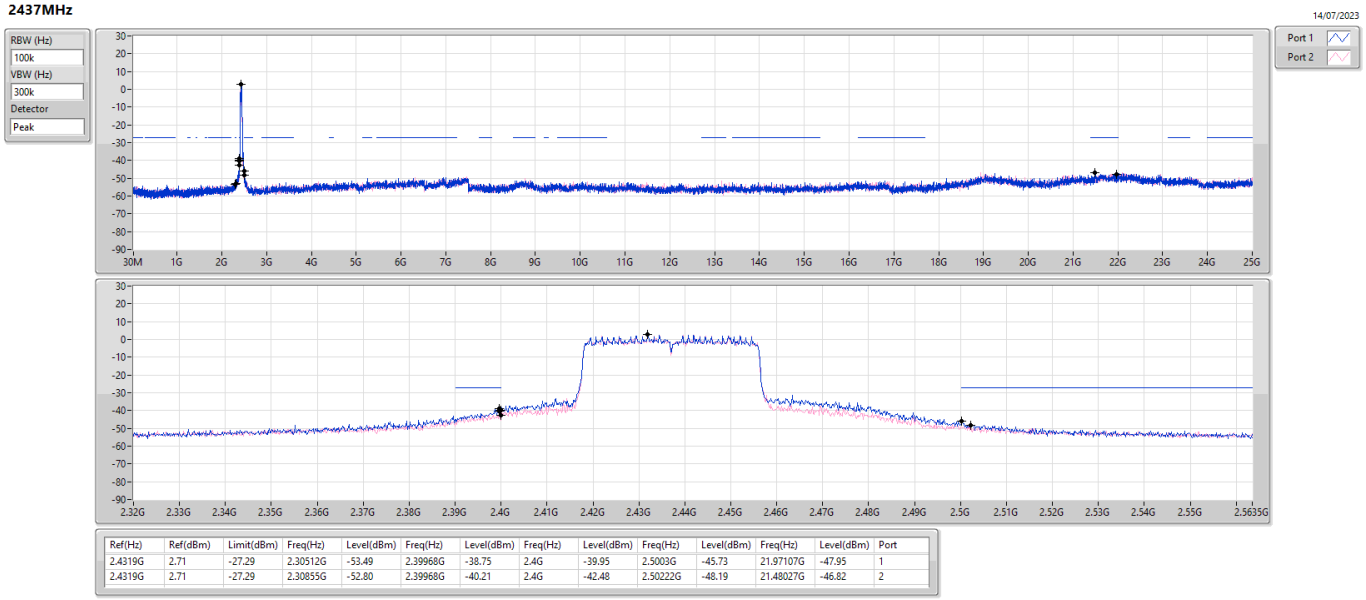
2422MHz



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
2.4319G	2.71	-27.29	2.30626G	-51.39	2.39568G	-42.33	2.4G	-42.50	2.51038G	-51.69	21.90096G	-46.84	1
2.4319G	2.71	-27.29	2.30512G	-52.92	2.4G	-42.79	2.4G	-44.64	2.5387G	-50.71	21.71866G	-46.43	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX CSENdB

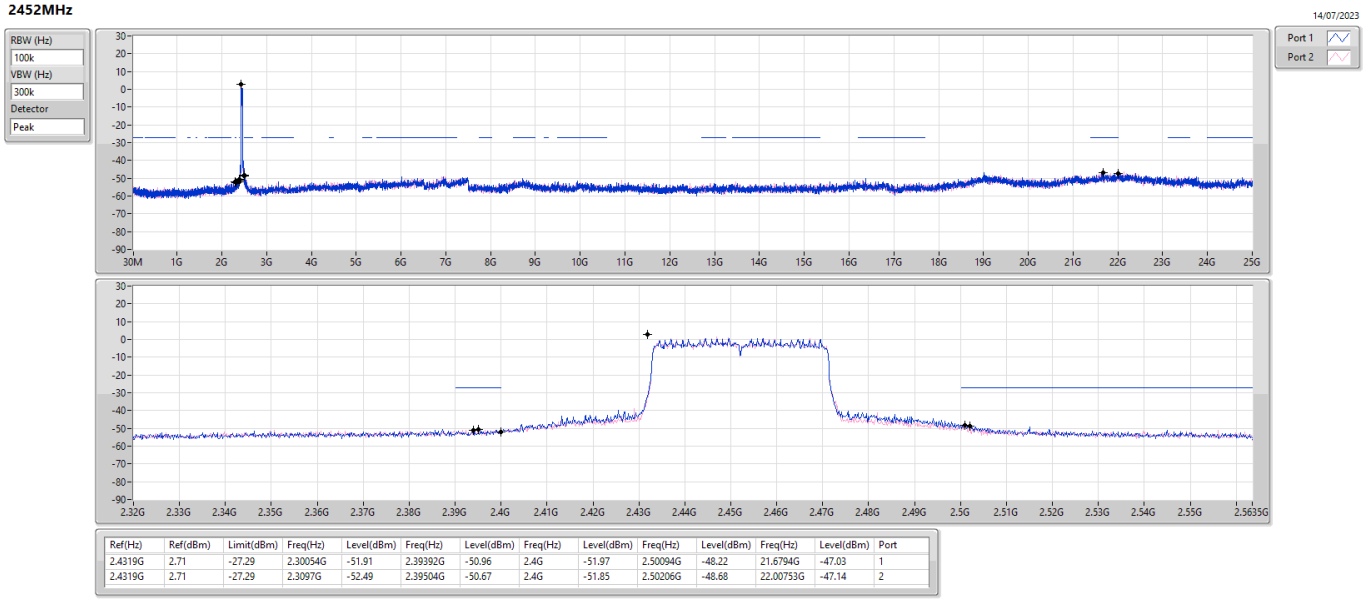
2437MHz



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
2.4319G	2.71	-27.29	2.30512G	-53.49	2.39968G	-38.75	2.4G	-39.95	2.5003G	-45.73	21.97107G	-47.95	1
2.4319G	2.71	-27.29	2.30855G	-52.80	2.39968G	-40.21	2.4G	-42.48	2.50222G	-48.19	21.48027G	-46.82	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX CSENdB

2452MHz

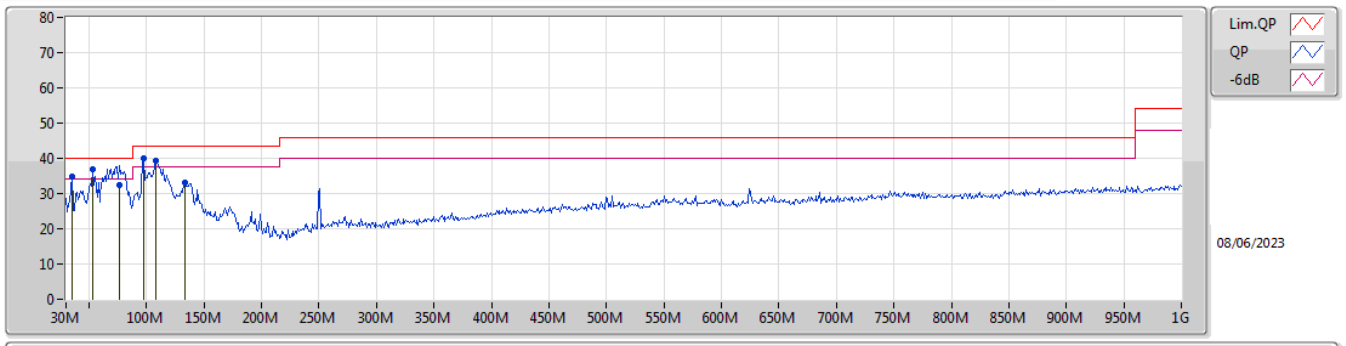


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	2.71	-27.29	2.30054G	-51.91	2.39392G	-50.96	2.4G	-51.97	2.50094G	-48.22	21.6794G	-47.03	1
2.4319G	2.71	-27.29	2.3097G	-52.49	2.39504G	-50.67	2.4G	-51.85	2.50206G	-48.68	22.00753G	-47.14	2

Summary

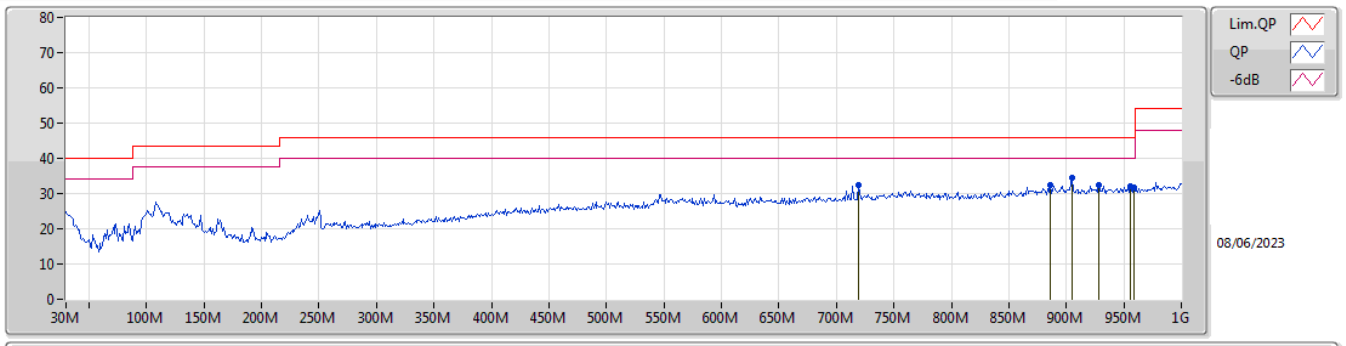
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	53.28M	36.94	40.00	-3.06	Vertical

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	76.56M	32.26	40.00	-7.74	-18.14	3	Vertical	140	1.00	-	50.40	12.64	1.19	31.97
PK	53.28M	36.94	40.00	-3.06	-17.94	3	Vertical	54	1.00	"Worst"	54.88	13.22	1.05	32.21
PK	97.9M	39.85	43.50	-3.65	-14.53	3	Vertical	199	1.00	-	54.38	16.30	1.32	32.15
PK	107.6M	39.20	43.50	-4.30	-13.16	3	Vertical	199	1.00	-	52.36	17.50	1.40	32.06
PK	34.85M	34.90	40.00	-5.10	-9.29	3	Vertical	0	1.00	-	44.19	21.94	0.83	32.06
PK	133.79M	32.98	43.50	-10.52	-12.84	3	Vertical	186	1.00	-	45.82	17.61	1.52	31.97

Mode 1



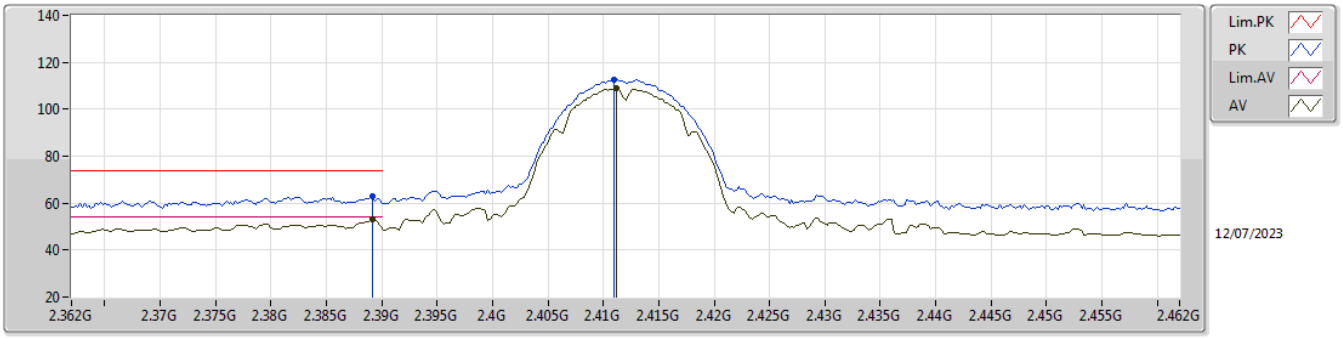
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	719.67M	32.49	46.00	-13.51	-2.93	3	Horizontal	183	3.00	-	35.42	25.07	3.66	31.66
PK	885.54M	32.51	46.00	-13.49	-0.58	3	Horizontal	299	1.25	-	33.09	26.31	4.16	31.05
PK	904.94M	34.34	46.00	-11.66	-0.26	3	Horizontal	246	2.00	"Worst"	34.60	26.49	4.22	30.97
PK	928.22M	32.37	46.00	-13.63	-0.02	3	Horizontal	68	2.00	-	32.39	26.47	4.25	30.74
PK	955.38M	31.90	46.00	-14.10	0.54	3	Horizontal	140	2.00	-	31.36	26.74	4.28	30.48
PK	959.26M	31.74	46.00	-14.26	0.63	3	Horizontal	113	1.25	-	31.11	26.79	4.29	30.45

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4838G	53.96	54.00	-0.04	3	Horizontal	44	1.15	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

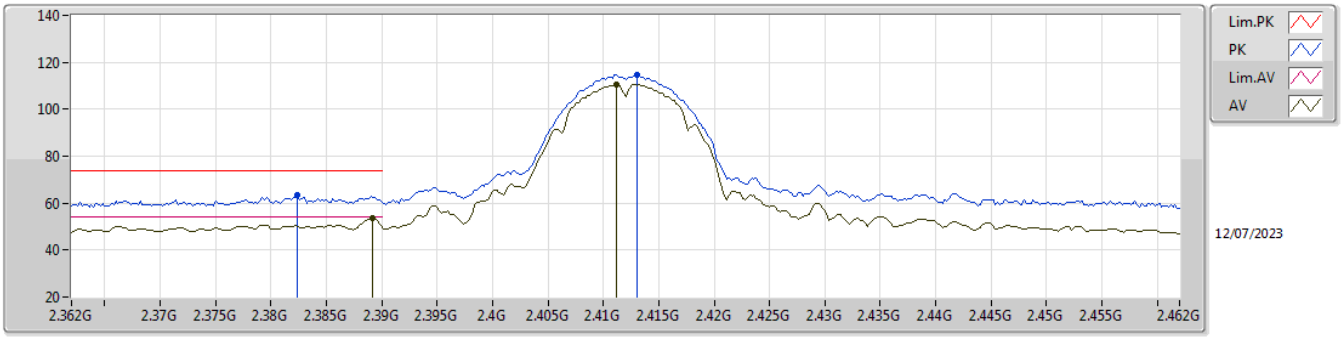


EUT Z_2TX
Setting 80
06-D-G-4

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	63.06	74.00	-10.94	30.33	3	Vertical	352	1.33	-	27.64	5.09	-
AV	2.3892G	53.15	54.00	-0.85	20.42	3	Vertical	352	1.33	-	27.64	5.09	-
PK	2.411G	112.76	Inf	-Inf	80.05	3	Vertical	352	1.33	-	27.60	5.11	-
AV	2.4112G	108.73	Inf	-Inf	76.02	3	Vertical	352	1.33	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

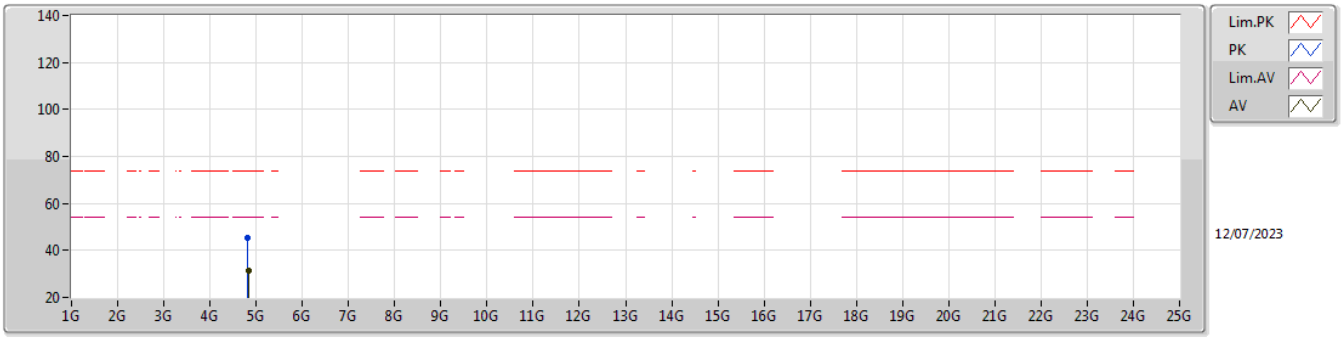


EUT Z_2TX
Setting 80
06-D-G-4

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	63.26	74.00	-10.74	30.52	3	Horizontal	84	1.88	-	27.67	5.07	-
AV	2.3892G	53.57	54.00	-0.43	20.84	3	Horizontal	84	1.88	-	27.64	5.09	-
PK	2.413G	114.72	Inf	-Inf	82.01	3	Horizontal	84	1.88	-	27.60	5.11	-
AV	2.4112G	110.61	Inf	-Inf	77.90	3	Horizontal	84	1.88	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

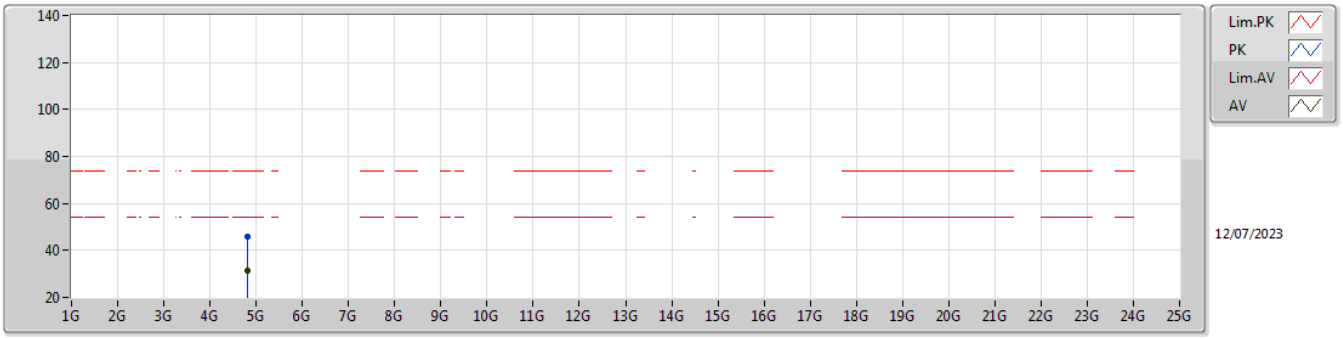


EUT X_2TX
Setting 80
06-D-G-4

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	4.82232G	45.16	74.00	-28.84	39.58	3	Vertical	126	2.23	-	31.34	6.76	32.52
AV	4.8266G	31.61	54.00	-22.39	26.02	3	Vertical	126	2.23	-	31.35	6.76	32.52

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

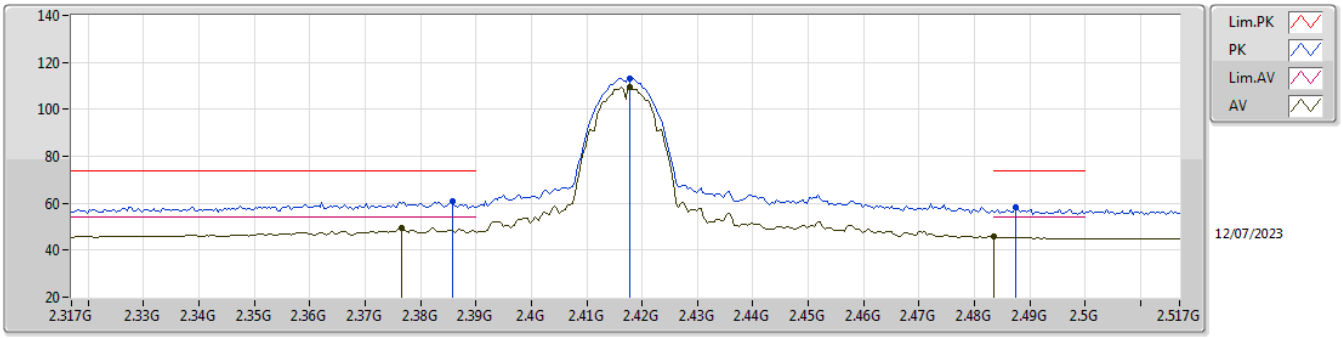


EUT X_2TX
Setting 80
06-D-G-4

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	4.82354G	45.69	74.00	-28.31	40.10	3	Horizontal	150	2.23	-	31.35	6.76	32.52
AV	4.82362G	31.63	54.00	-22.37	26.04	3	Horizontal	150	2.23	-	31.35	6.76	32.52

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

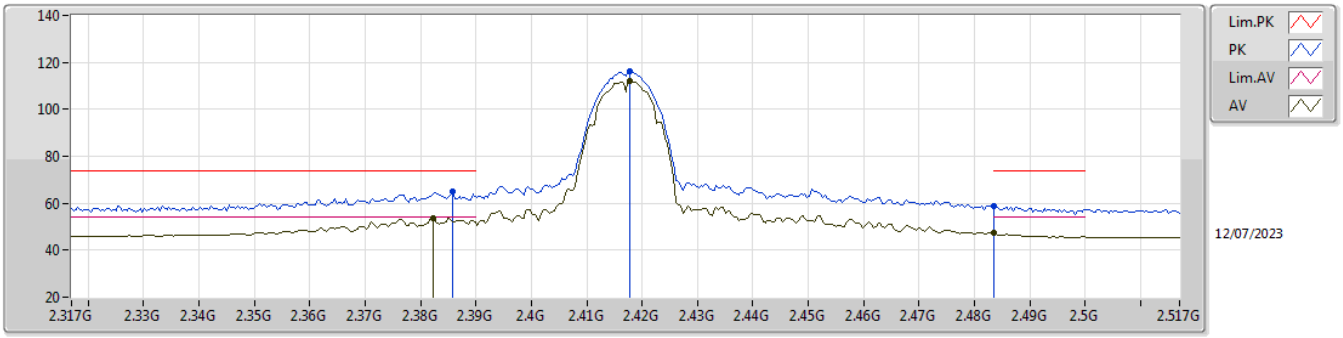


EUT Z_2TX
Setting 83
06-D-G-4

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	2.3858G	60.70	74.00	-13.30	27.96	3	Vertical	345	2.25	-	27.66	5.08	-
AV	2.3766G	49.58	54.00	-4.42	16.83	3	Vertical	345	2.25	-	27.69	5.06	-
PK	2.4178G	113.34	Inf	-Inf	80.63	3	Vertical	345	2.25	-	27.60	5.11	-
AV	2.4178G	109.33	Inf	-Inf	76.62	3	Vertical	345	2.25	-	27.60	5.11	-
PK	2.4874G	58.08	74.00	-15.92	25.37	3	Vertical	345	2.25	-	27.60	5.11	-
AV	2.4835G	45.70	54.00	-8.30	12.99	3	Vertical	345	2.25	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

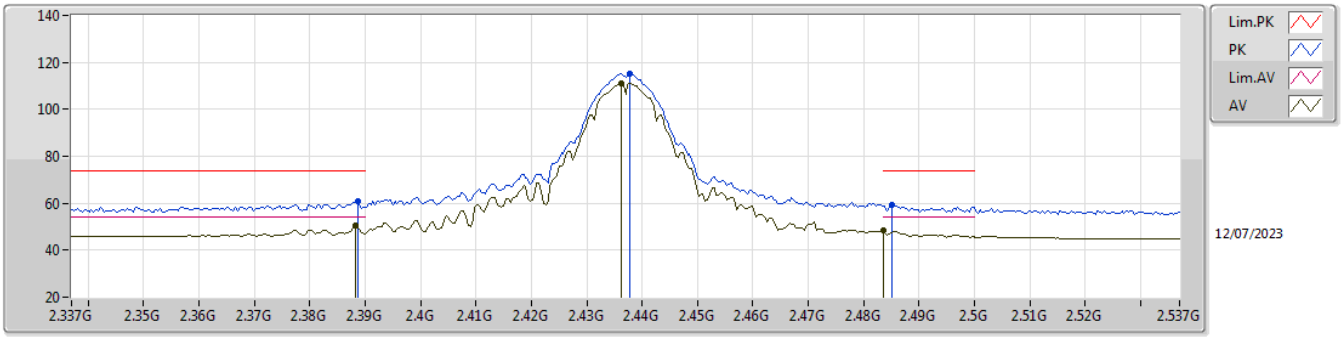


EUT Z_2TX
Setting 83
06-D-G-4

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	2.3858G	64.92	74.00	-9.08	32.18	3	Horizontal	311	1.00	-	27.66	5.08	-
AV	2.3822G	53.78	54.00	-0.22	21.04	3	Horizontal	311	1.00	-	27.67	5.07	-
PK	2.4178G	116.08	Inf	-Inf	83.37	3	Horizontal	311	1.00	-	27.60	5.11	-
AV	2.4178G	111.95	Inf	-Inf	79.24	3	Horizontal	311	1.00	-	27.60	5.11	-
PK	2.4835G	58.55	74.00	-15.45	25.84	3	Horizontal	311	1.00	-	27.60	5.11	-
AV	2.4835G	47.35	54.00	-6.65	14.64	3	Horizontal	311	1.00	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

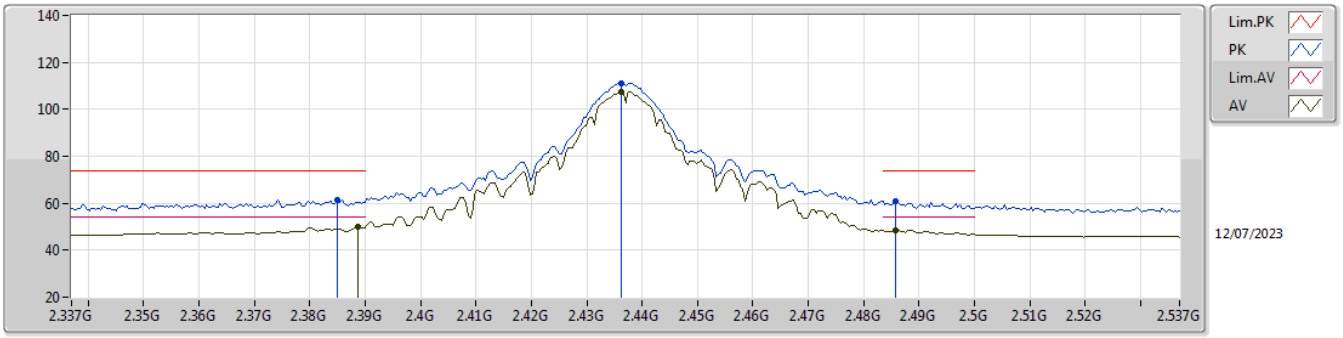


EUT Z_2TX
Setting 92
06-D-G-4

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	60.79	74.00	-13.21	28.06	3	Vertical	348	1.07	-	27.65	5.08	-
AV	2.3882G	50.29	54.00	-3.71	17.56	3	Vertical	348	1.07	-	27.65	5.08	-
PK	2.4378G	114.99	Inf	-Inf	82.28	3	Vertical	348	1.07	-	27.60	5.11	-
AV	2.4362G	111.08	Inf	-Inf	78.37	3	Vertical	348	1.07	-	27.60	5.11	-
PK	2.485G	59.23	74.00	-14.77	26.52	3	Vertical	348	1.07	-	27.60	5.11	-
AV	2.4835G	48.20	54.00	-5.80	15.49	3	Vertical	348	1.07	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

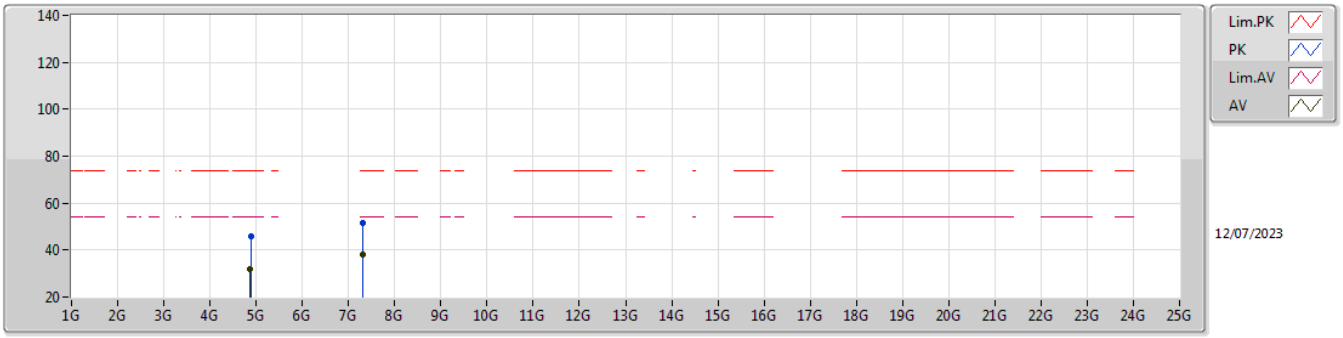


EUT Z_2TX
Setting 92
06-D-G-4

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	2.385G	61.37	74.00	-12.63	28.63	3	Horizontal	44	1.21	-	27.66	5.08	-
AV	2.3886G	50.03	54.00	-3.97	17.30	3	Horizontal	44	1.21	-	27.65	5.08	-
PK	2.4362G	111.29	Inf	-Inf	78.58	3	Horizontal	44	1.21	-	27.60	5.11	-
AV	2.4362G	107.29	Inf	-Inf	74.58	3	Horizontal	44	1.21	-	27.60	5.11	-
PK	2.4858G	61.03	74.00	-12.97	28.32	3	Horizontal	44	1.21	-	27.60	5.11	-
AV	2.4858G	48.43	54.00	-5.57	15.72	3	Horizontal	44	1.21	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

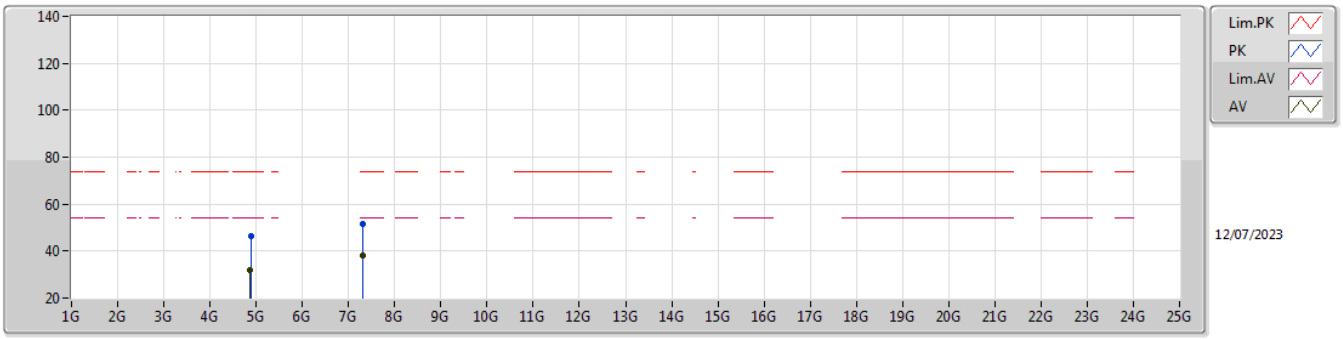


EUT X_2TX
Setting 92
06-D-G-4

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	4.87886G	45.70	74.00	-28.30	40.02	3	Vertical	357	1.30	-	31.40	6.78	32.50
AV	4.8751G	31.94	54.00	-22.06	26.26	3	Vertical	357	1.30	-	31.40	6.78	32.50
PK	7.3144G	51.42	74.00	-22.58	40.09	3	Vertical	218	1.37	-	36.70	8.07	33.44
AV	7.3144G	38.03	54.00	-15.97	26.70	3	Vertical	218	1.37	-	36.70	8.07	33.44

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

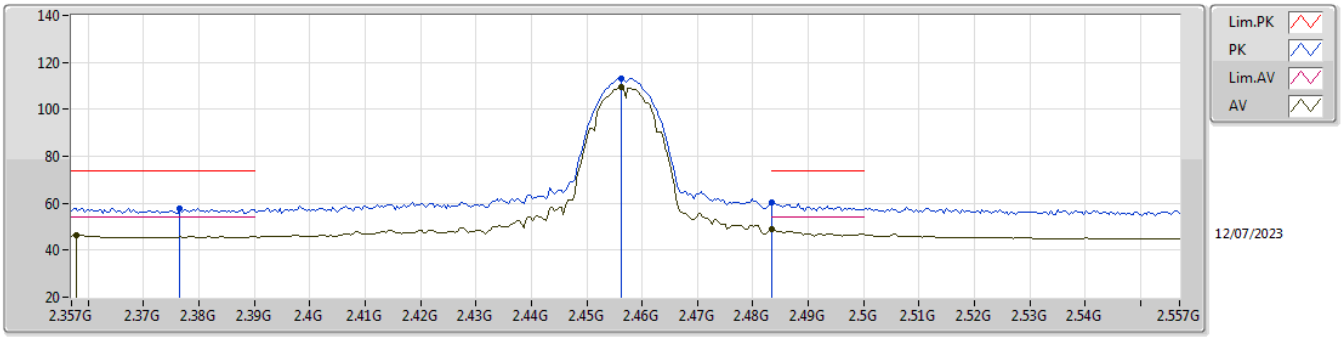


EUT X_2TX
Setting 92
06-D-G-4

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	4.8778G	46.17	74.00	-27.83	40.49	3	Horizontal	352	1.00	-	31.40	6.78	32.50
AV	4.8757G	32.04	54.00	-21.96	26.36	3	Horizontal	352	1.00	-	31.40	6.78	32.50
PK	7.31126G	51.46	74.00	-22.54	40.12	3	Horizontal	198	1.02	-	36.70	8.08	33.44
AV	7.31248G	38.03	54.00	-15.97	26.69	3	Horizontal	198	1.02	-	36.70	8.08	33.44

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

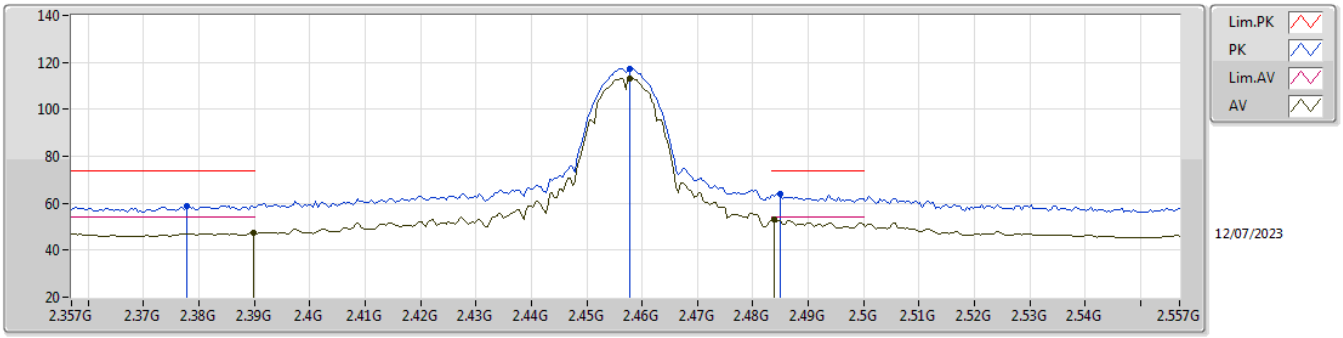


EUT Z_2TX
Setting 81
06-D-G-4

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	2.3766G	57.98	74.00	-16.02	25.23	3	Vertical	22	1.12	-	27.69	5.06	-
AV	2.3578G	46.30	54.00	-7.70	13.51	3	Vertical	22	1.12	-	27.77	5.02	-
PK	2.4562G	113.31	Inf	-Inf	80.60	3	Vertical	22	1.12	-	27.60	5.11	-
AV	2.4562G	109.27	Inf	-Inf	76.56	3	Vertical	22	1.12	-	27.60	5.11	-
PK	2.4835G	60.25	74.00	-13.75	27.54	3	Vertical	22	1.12	-	27.60	5.11	-
AV	2.4835G	48.91	54.00	-5.09	16.20	3	Vertical	22	1.12	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

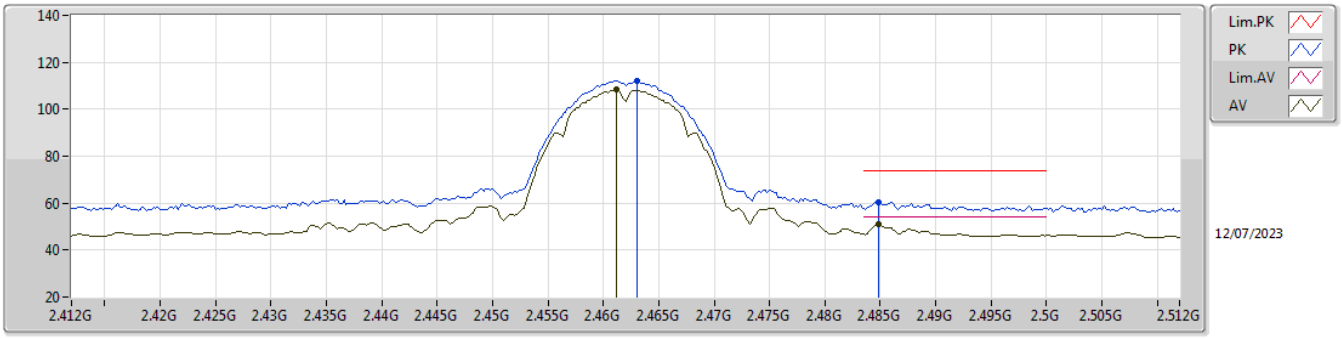


EUT Z_2TX
Setting 81
06-D-G-4

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	2.3778G	59.00	74.00	-15.00	26.25	3	Horizontal	45	1.16	-	27.69	5.06	-
AV	2.3898G	47.48	54.00	-6.52	14.75	3	Horizontal	45	1.16	-	27.64	5.09	-
PK	2.4578G	117.38	Inf	-Inf	84.67	3	Horizontal	45	1.16	-	27.60	5.11	-
AV	2.4578G	113.32	Inf	-Inf	80.61	3	Horizontal	45	1.16	-	27.60	5.11	-
PK	2.485G	63.91	74.00	-10.09	31.20	3	Horizontal	45	1.16	-	27.60	5.11	-
AV	2.4838G	52.97	54.00	-1.03	20.26	3	Horizontal	45	1.16	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

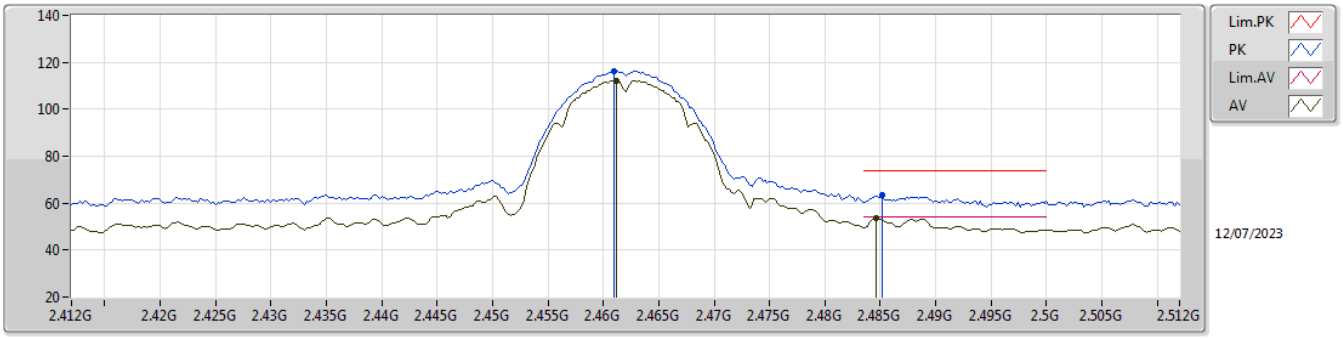


EUT Z_2TX
Setting 78
06-D-G-4

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	2.463G	112.08	Inf	-Inf	79.37	3	Vertical	10	1.00	-	27.60	5.11	-
AV	2.4612G	108.29	Inf	-Inf	75.58	3	Vertical	10	1.00	-	27.60	5.11	-
PK	2.4848G	60.51	74.00	-13.49	27.80	3	Vertical	10	1.00	-	27.60	5.11	-
AV	2.4848G	50.86	54.00	-3.14	18.15	3	Vertical	10	1.00	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

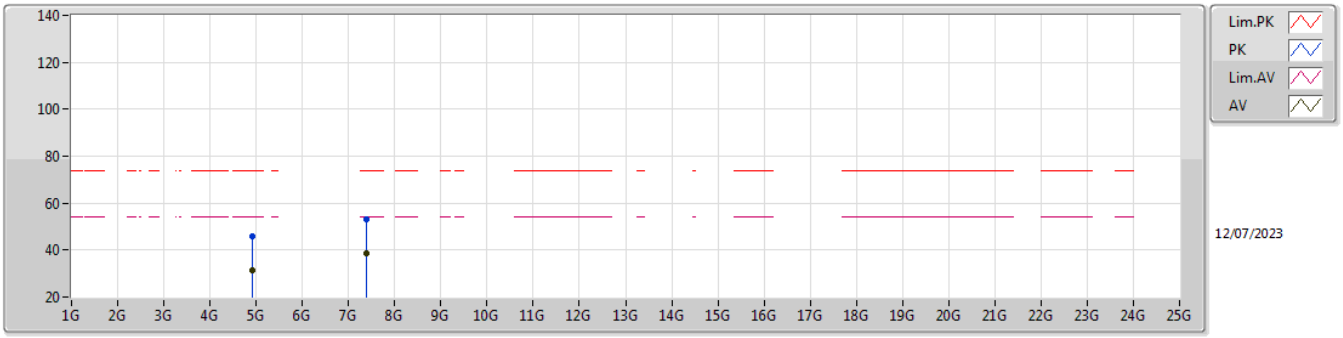


EUT Z_2TX
Setting 78
06-D-G-4

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	116.27	Inf	-Inf	83.56	3	Horizontal	45	1.00	-	27.60	5.11	-
AV	2.4612G	112.21	Inf	-Inf	79.50	3	Horizontal	45	1.00	-	27.60	5.11	-
PK	2.4852G	63.26	74.00	-10.74	30.55	3	Horizontal	45	1.00	-	27.60	5.11	-
AV	2.4846G	53.73	54.00	-0.27	21.02	3	Horizontal	45	1.00	-	27.60	5.11	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

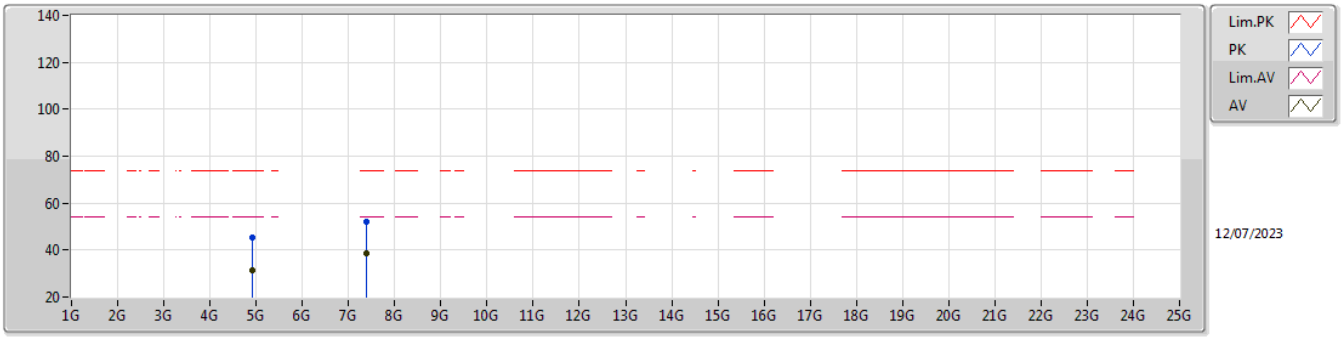


EUT X_2TX
Setting 78
06-D-G-4

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	4.91908G	45.69	74.00	-28.31	39.94	3	Vertical	293	1.09	-	31.44	6.79	32.48
AV	4.9199G	31.48	54.00	-22.52	25.73	3	Vertical	293	1.09	-	31.44	6.79	32.48
PK	7.38322G	52.87	74.00	-21.13	41.70	3	Vertical	360	1.80	-	36.70	8.00	33.53
AV	7.38972G	38.49	54.00	-15.51	27.34	3	Vertical	360	1.80	-	36.70	7.99	33.54

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

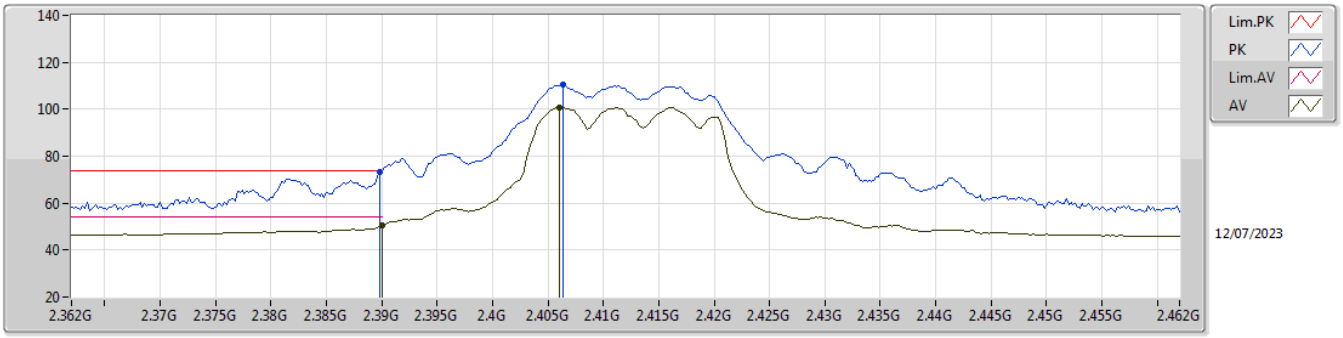


EUT X_2TX
Setting 78
06-D-G-4

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	4.92534G	45.19	74.00	-28.81	39.42	3	Horizontal	115	1.19	-	31.45	6.79	32.47
AV	4.9191G	31.45	54.00	-22.55	25.70	3	Horizontal	115	1.19	-	31.44	6.79	32.48
PK	7.38708G	52.05	74.00	-21.95	40.90	3	Horizontal	25	2.61	-	36.70	7.99	33.54
AV	7.38372G	38.43	54.00	-15.57	27.26	3	Horizontal	25	2.61	-	36.70	8.00	33.53

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

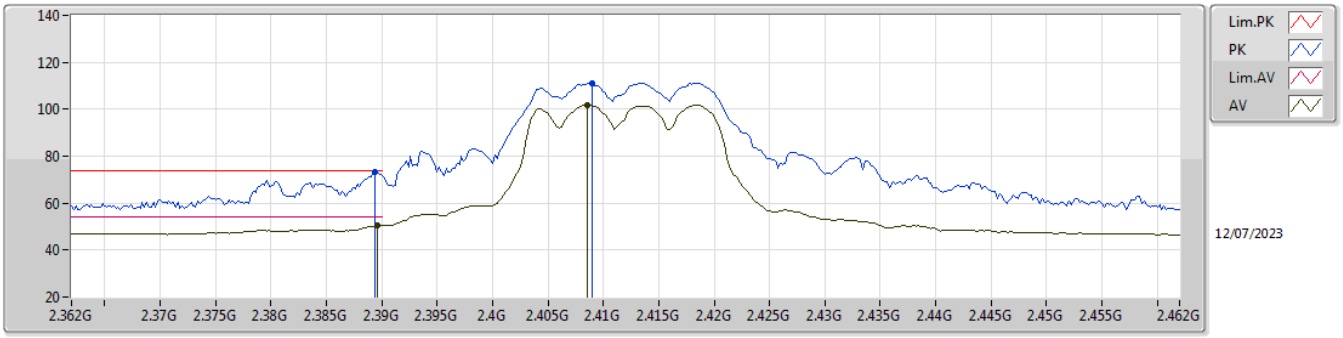


EUT Z_2TX
Setting 67
06-D-G-4

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	73.46	74.00	-0.54	40.73	3	Vertical	9	1.11	-	27.64	5.09	-
AV	2.39G	50.63	54.00	-3.37	17.90	3	Vertical	9	1.11	-	27.64	5.09	-
PK	2.4064G	110.30	Inf	-Inf	77.59	3	Vertical	9	1.11	-	27.60	5.11	-
AV	2.406G	100.80	Inf	-Inf	68.09	3	Vertical	9	1.11	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

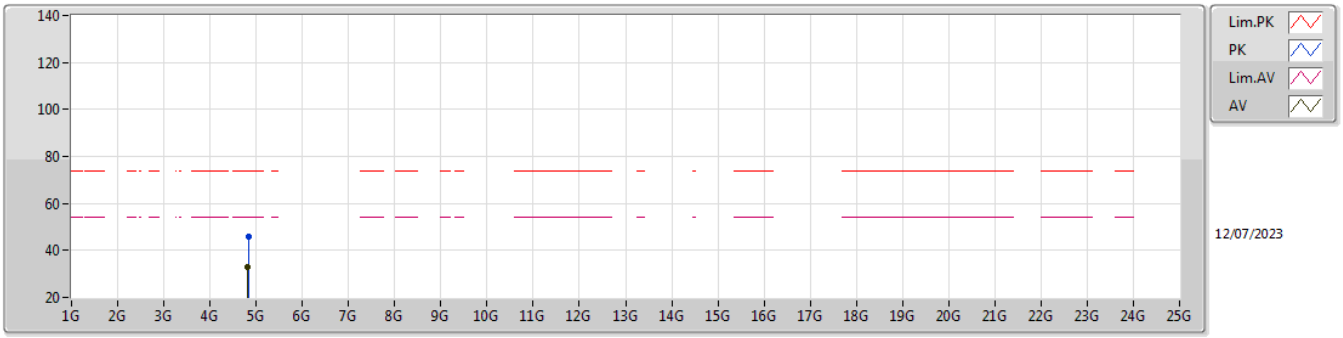


EUT Z_2TX
Setting 67
06-D-G-4

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	73.27	74.00	-0.73	40.54	3	Horizontal	296	1.46	-	27.64	5.09	-
AV	2.3896G	50.34	54.00	-3.66	17.61	3	Horizontal	296	1.46	-	27.64	5.09	-
PK	2.409G	111.06	Inf	-Inf	78.35	3	Horizontal	296	1.46	-	27.60	5.11	-
AV	2.4086G	101.71	Inf	-Inf	69.00	3	Horizontal	296	1.46	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

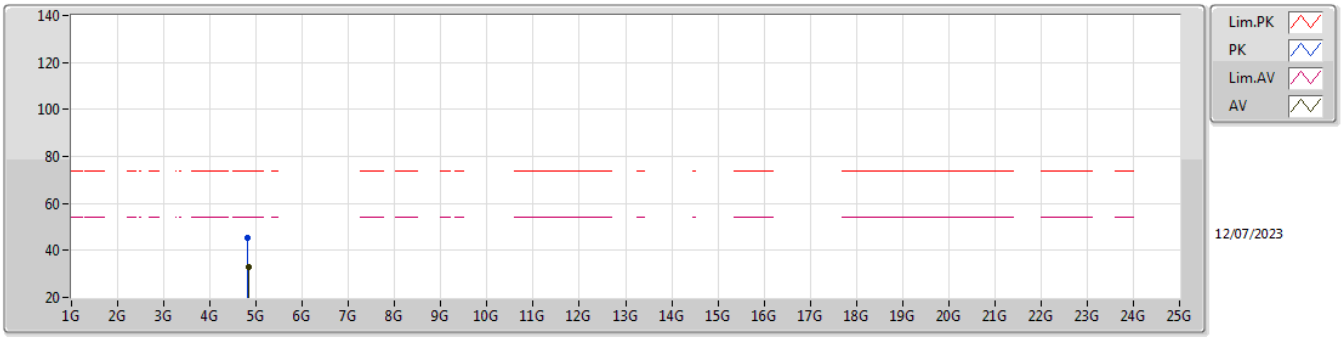


EUT X_2TX
Setting 67
06-D-G-4

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	4.827G	45.62	74.00	-28.38	40.03	3	Vertical	182	2.11	-	31.35	6.76	32.52
AV	4.82082G	32.87	54.00	-21.13	27.29	3	Vertical	182	2.11	-	31.34	6.76	32.52

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

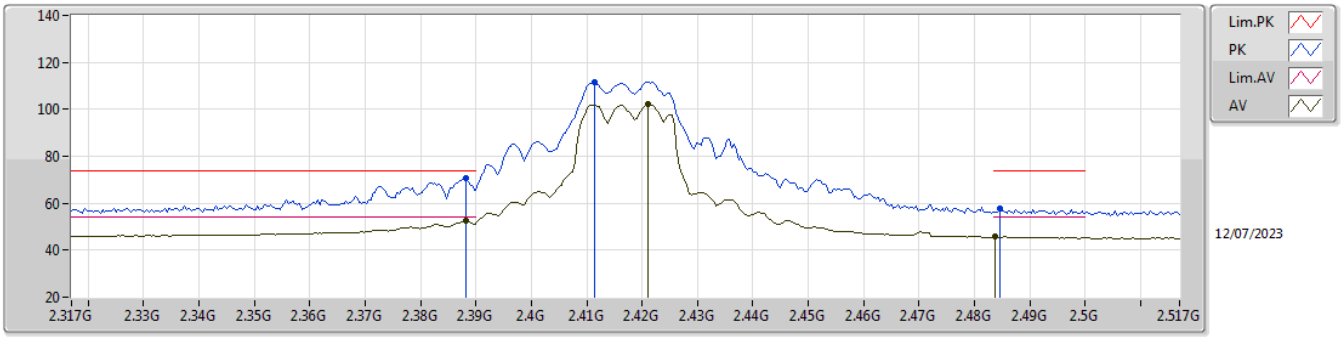


EUT X_2TX
Setting 67
06-D-G-4

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	4.82046G	45.60	74.00	-28.40	40.02	3	Horizontal	52	1.86	-	31.34	6.76	32.52
AV	4.83654G	33.15	54.00	-20.85	27.54	3	Horizontal	52	1.86	-	31.37	6.76	32.52

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

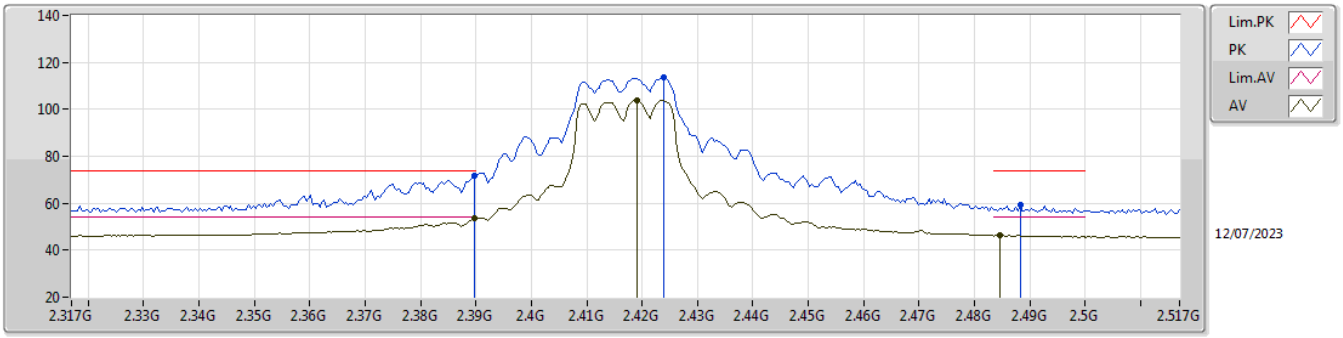


EUT Z_2TX
Setting 74
06-D-G-4

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	70.92	74.00	-3.08	38.19	3	Vertical	11	1.14	-	27.65	5.08	-
AV	2.3882G	52.47	54.00	-1.53	19.74	3	Vertical	11	1.14	-	27.65	5.08	-
PK	2.4114G	111.68	Inf	-Inf	78.97	3	Vertical	11	1.14	-	27.60	5.11	-
AV	2.421G	102.43	Inf	-Inf	69.72	3	Vertical	11	1.14	-	27.60	5.11	-
PK	2.4846G	57.57	74.00	-16.43	24.86	3	Vertical	11	1.14	-	27.60	5.11	-
AV	2.4838G	45.70	54.00	-8.30	12.99	3	Vertical	11	1.14	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

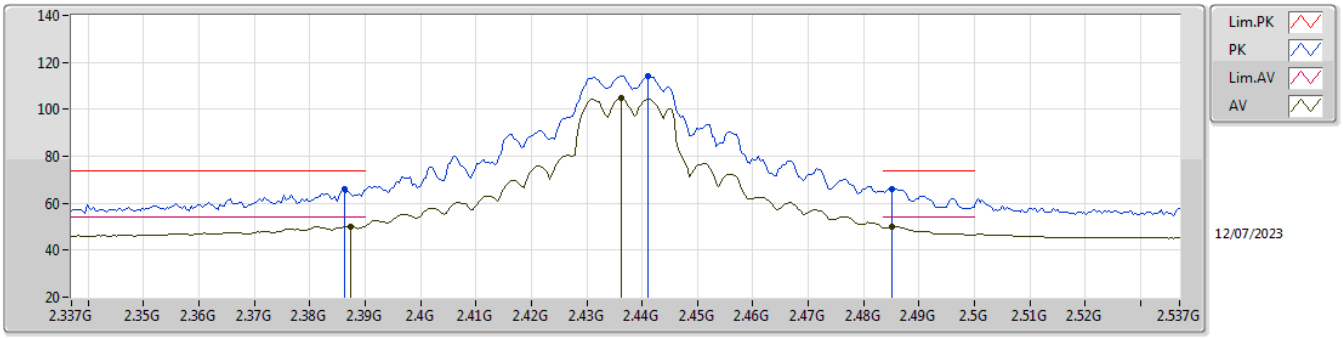


EUT Z_2TX
Setting 74
06-D-G-4

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	71.84	74.00	-2.16	39.11	3	Horizontal	304	1.00	-	27.64	5.09	-
AV	2.3898G	53.76	54.00	-0.24	21.03	3	Horizontal	304	1.00	-	27.64	5.09	-
PK	2.4238G	113.51	Inf	-Inf	80.80	3	Horizontal	304	1.00	-	27.60	5.11	-
AV	2.419G	103.83	Inf	-Inf	71.12	3	Horizontal	304	1.00	-	27.60	5.11	-
PK	2.4882G	59.24	74.00	-14.76	26.53	3	Horizontal	304	1.00	-	27.60	5.11	-
AV	2.4846G	46.30	54.00	-7.70	13.59	3	Horizontal	304	1.00	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

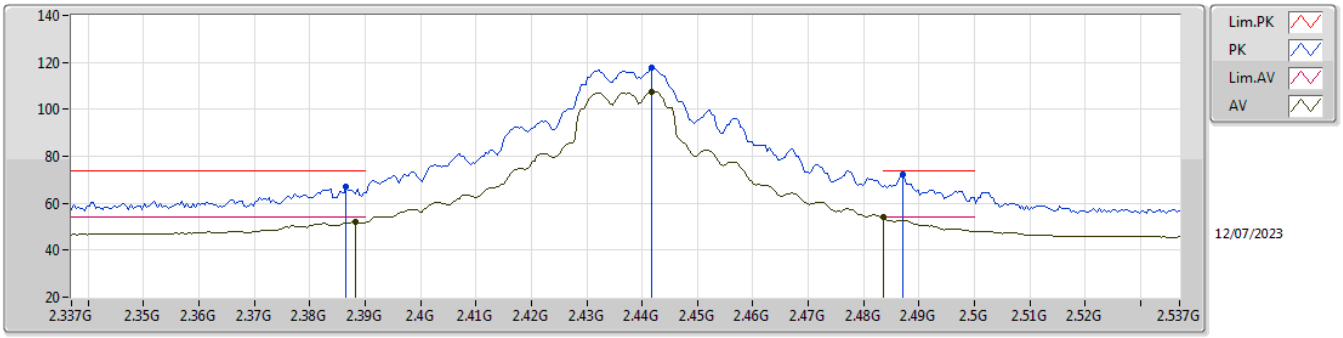


EUT Z_2TX
Setting 82
06-D-G-4

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	2.3862G	66.29	74.00	-7.71	33.55	3	Vertical	6	1.06	-	27.66	5.08	-
AV	2.3874G	50.15	54.00	-3.85	17.42	3	Vertical	6	1.06	-	27.65	5.08	-
PK	2.441G	114.10	Inf	-Inf	81.39	3	Vertical	6	1.06	-	27.60	5.11	-
AV	2.4362G	104.57	Inf	-Inf	71.86	3	Vertical	6	1.06	-	27.60	5.11	-
PK	2.485G	66.23	74.00	-7.77	33.52	3	Vertical	6	1.06	-	27.60	5.11	-
AV	2.485G	50.03	54.00	-3.97	17.32	3	Vertical	6	1.06	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

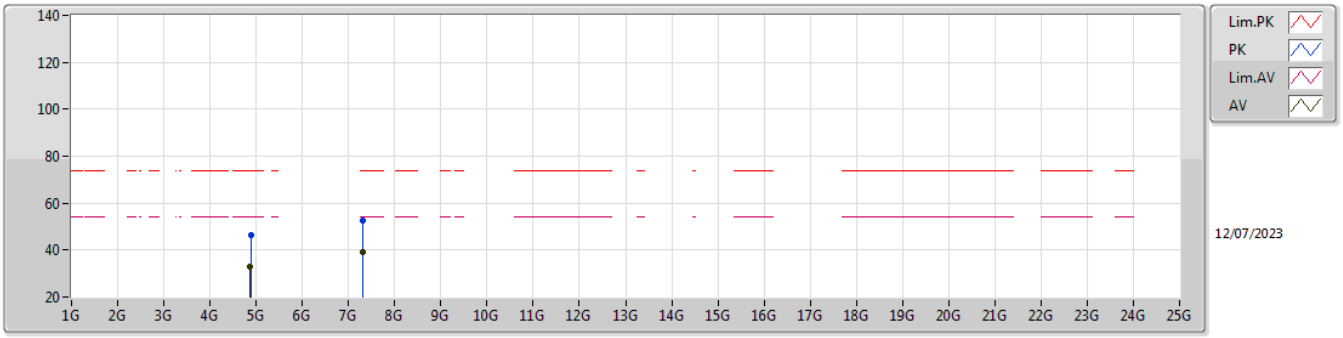


EUT Z_2TX
Setting 82
06-D-G-4

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	2.3866G	67.10	74.00	-6.90	34.37	3	Horizontal	55	2.92	-	27.65	5.08	-
AV	2.3882G	52.10	54.00	-1.90	19.37	3	Horizontal	55	2.92	-	27.65	5.08	-
PK	2.4418G	117.52	Inf	-Inf	84.81	3	Horizontal	55	2.92	-	27.60	5.11	-
AV	2.4418G	107.54	Inf	-Inf	74.83	3	Horizontal	55	2.92	-	27.60	5.11	-
PK	2.487G	72.05	74.00	-1.95	39.34	3	Horizontal	55	2.92	-	27.60	5.11	-
AV	2.4835G	53.94	54.00	-0.06	21.23	3	Horizontal	55	2.92	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

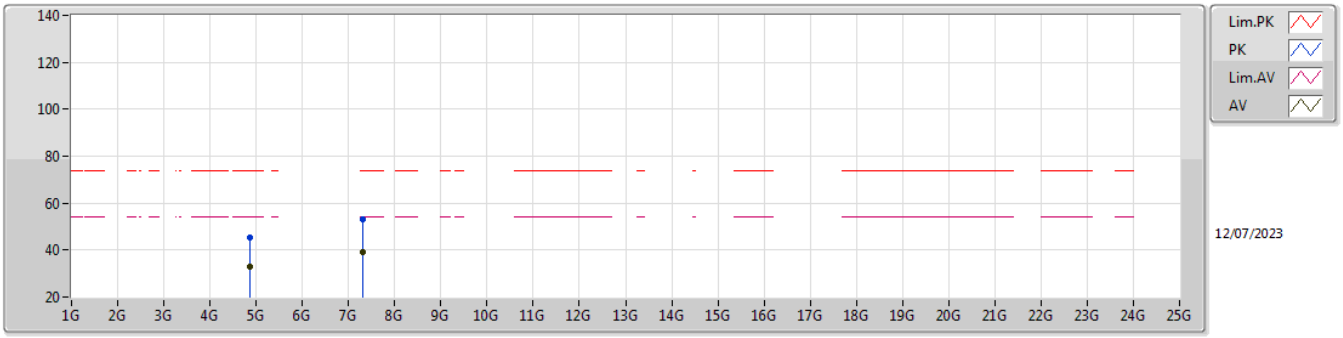


EUT X_2TX
Setting 82
06-D-G-4

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	4.87796G	46.29	74.00	-27.71	40.61	3	Vertical	41	1.57	-	31.40	6.78	32.50
AV	4.86806G	32.92	54.00	-21.08	27.25	3	Vertical	41	1.57	-	31.40	6.77	32.50
PK	7.30668G	52.38	74.00	-21.62	41.03	3	Vertical	290	1.86	-	36.70	8.08	33.43
AV	7.31664G	39.31	54.00	-14.69	27.99	3	Vertical	290	1.86	-	36.70	8.07	33.45

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

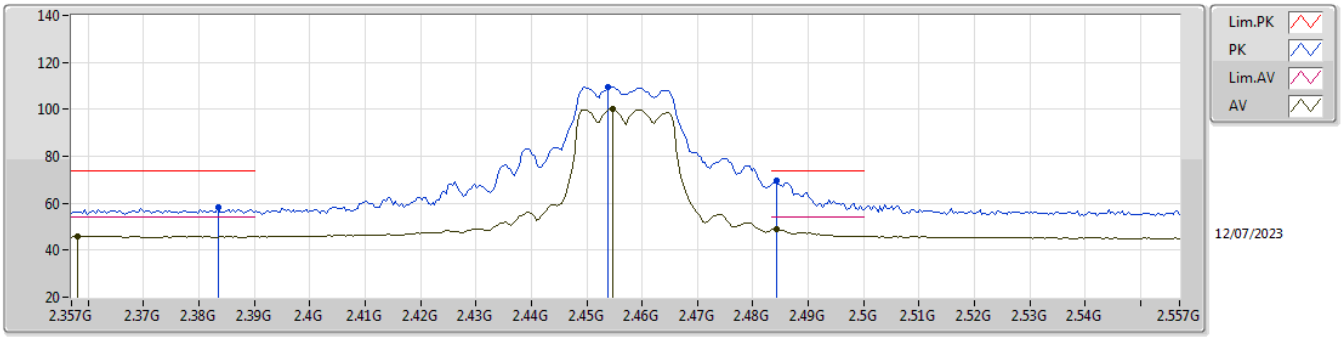


EUT X_2TX
Setting 82
06-D-G-4

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	4.87052G	45.59	74.00	-28.41	39.92	3	Horizontal	262	1.10	-	31.40	6.77	32.50
AV	4.86908G	33.05	54.00	-20.95	27.38	3	Horizontal	262	1.10	-	31.40	6.77	32.50
PK	7.31592G	53.00	74.00	-21.00	41.67	3	Horizontal	169	2.75	-	36.70	8.07	33.44
AV	7.30908G	39.37	54.00	-14.63	28.03	3	Horizontal	169	2.75	-	36.70	8.08	33.44

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

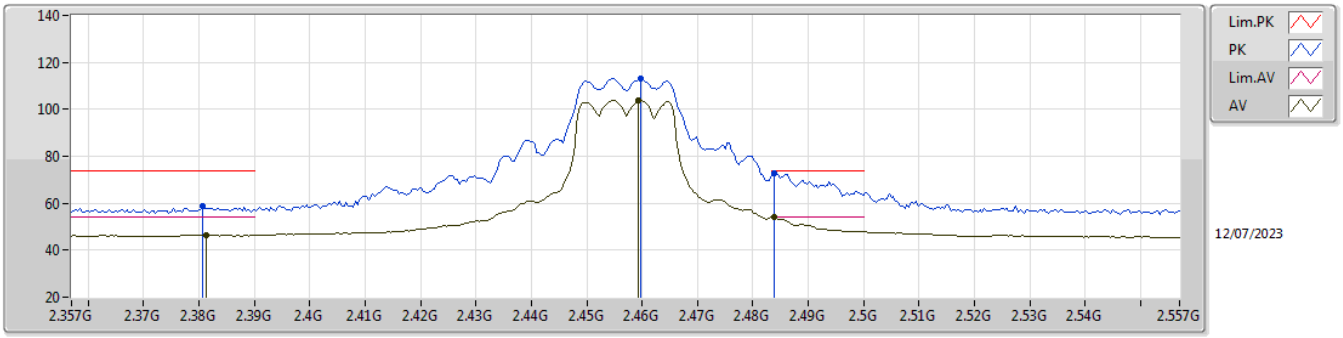


EUT Z_2TX
Setting 70
06-D-G-4

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	2.3834G	58.03	74.00	-15.97	25.29	3	Vertical	22	1.12	-	27.67	5.07	-
AV	2.3582G	45.99	54.00	-8.01	13.20	3	Vertical	22	1.12	-	27.77	5.02	-
PK	2.4538G	109.72	Inf	-Inf	77.01	3	Vertical	22	1.12	-	27.60	5.11	-
AV	2.4546G	100.16	Inf	-Inf	67.45	3	Vertical	22	1.12	-	27.60	5.11	-
PK	2.4842G	69.71	74.00	-4.29	37.00	3	Vertical	22	1.12	-	27.60	5.11	-
AV	2.4842G	49.14	54.00	-4.86	16.43	3	Vertical	22	1.12	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

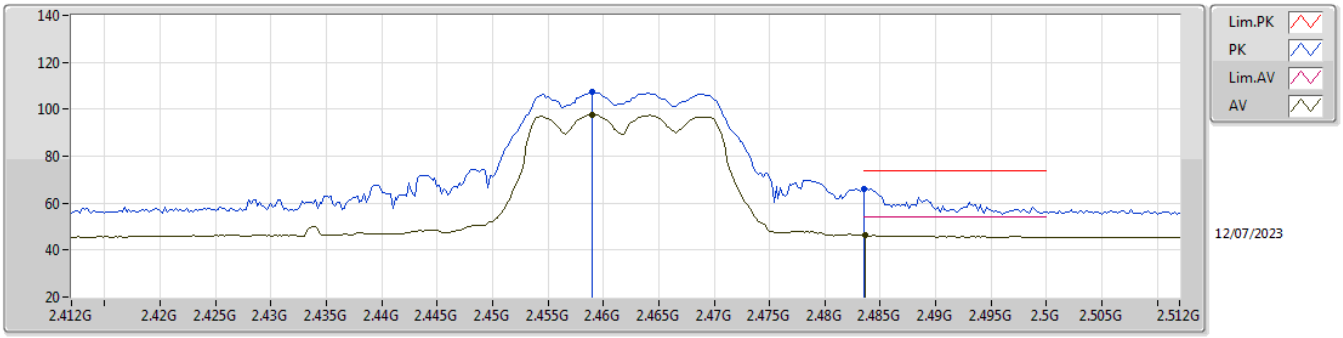


EUT Z_2TX
Setting 70
06-D-G-4

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	2.3806G	58.97	74.00	-15.03	26.22	3	Horizontal	44	1.15	-	27.68	5.07	-
AV	2.3814G	46.33	54.00	-7.67	13.59	3	Horizontal	44	1.15	-	27.67	5.07	-
PK	2.4598G	113.02	Inf	-Inf	80.31	3	Horizontal	44	1.15	-	27.60	5.11	-
AV	2.4594G	103.95	Inf	-Inf	71.24	3	Horizontal	44	1.15	-	27.60	5.11	-
PK	2.4838G	72.64	74.00	-1.36	39.93	3	Horizontal	44	1.15	-	27.60	5.11	-
AV	2.4838G	53.96	54.00	-0.04	21.25	3	Horizontal	44	1.15	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

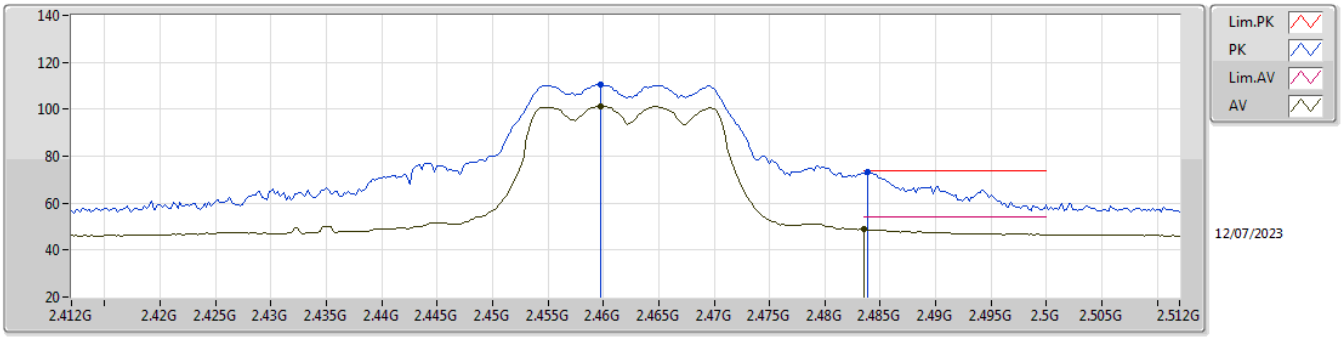


EUT Z_2TX
Setting 59
06-D-G-4

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	107.44	Inf	-Inf	74.73	3	Vertical	10	1.00	-	27.60	5.11	-
AV	2.459G	97.76	Inf	-Inf	65.05	3	Vertical	10	1.00	-	27.60	5.11	-
PK	2.4835G	66.10	74.00	-7.90	33.39	3	Vertical	10	1.00	-	27.60	5.11	-
AV	2.4836G	46.33	54.00	-7.67	13.62	3	Vertical	10	1.00	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

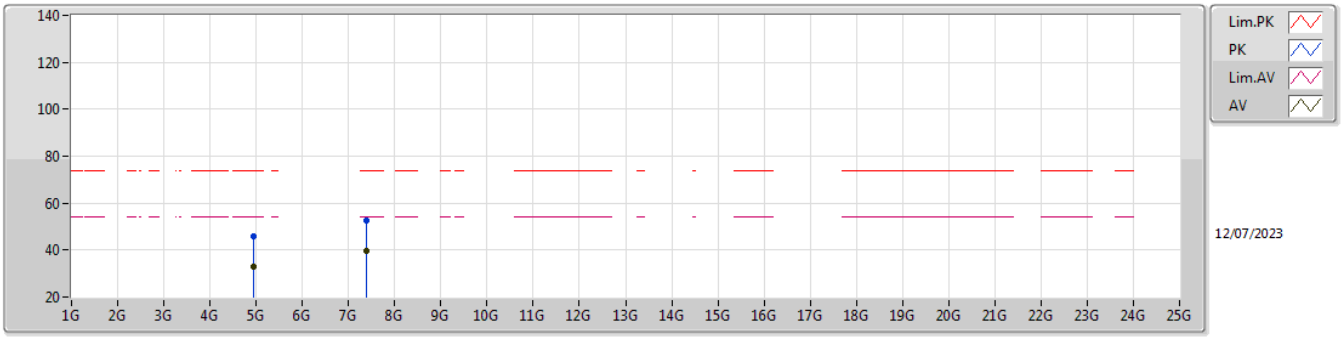


EUT Z_2TX
Setting 59
06-D-G-4

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	2.4598G	110.61	Inf	-Inf	77.90	3	Horizontal	46	1.16	-	27.60	5.11	-
AV	2.4598G	101.41	Inf	-Inf	68.70	3	Horizontal	46	1.16	-	27.60	5.11	-
PK	2.4838G	73.51	74.00	-0.49	40.80	3	Horizontal	46	1.16	-	27.60	5.11	-
AV	2.4835G	49.00	54.00	-5.00	16.29	3	Horizontal	46	1.16	-	27.60	5.11	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

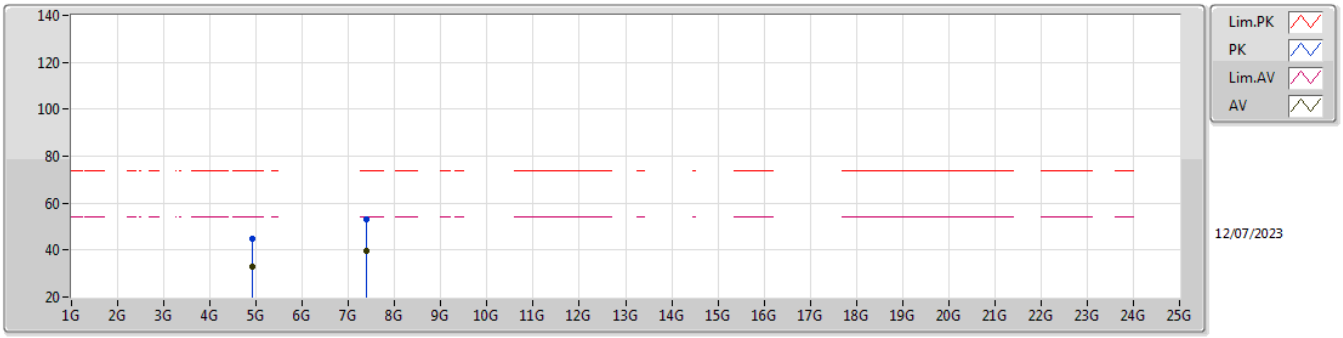


EUT X_2TX
Setting 59
06-D-G-4

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	4.93204G	46.00	74.00	-28.00	40.21	3	Vertical	115	2.32	-	31.46	6.80	32.47
AV	4.9321G	32.84	54.00	-21.16	27.05	3	Vertical	115	2.32	-	31.46	6.80	32.47
PK	7.37586G	52.41	74.00	-21.59	41.22	3	Vertical	274	1.02	-	36.70	8.01	33.52
AV	7.39776G	39.65	54.00	-14.35	28.52	3	Vertical	274	1.02	-	36.70	7.98	33.55

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

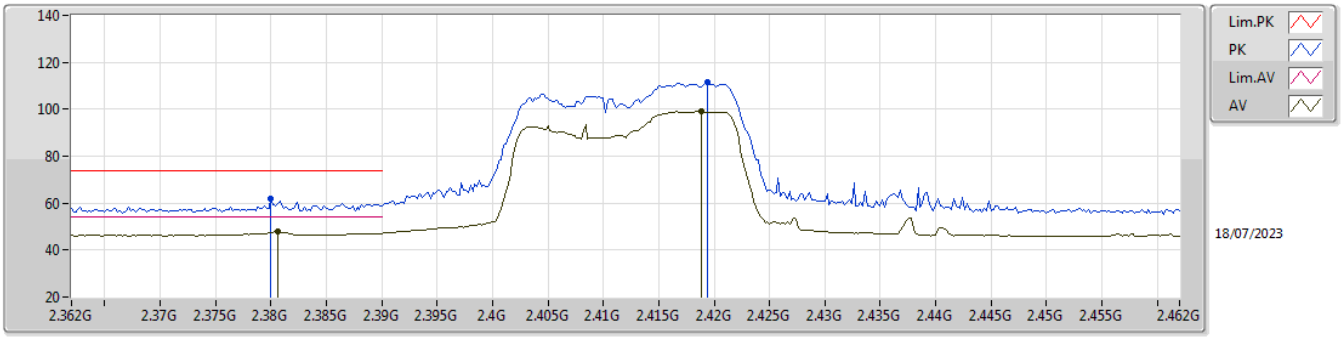


EUT X_2TX
Setting 59
06-D-G-4

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	4.92082G	45.02	74.00	-28.98	39.27	3	Horizontal	290	1.00	-	31.44	6.79	32.48
AV	4.92852G	32.77	54.00	-21.23	26.99	3	Horizontal	290	1.00	-	31.46	6.79	32.47
PK	7.38426G	52.91	74.00	-21.09	41.74	3	Horizontal	66	1.97	-	36.70	8.00	33.53
AV	7.3788G	39.56	54.00	-14.44	28.38	3	Horizontal	66	1.97	-	36.70	8.00	33.52

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

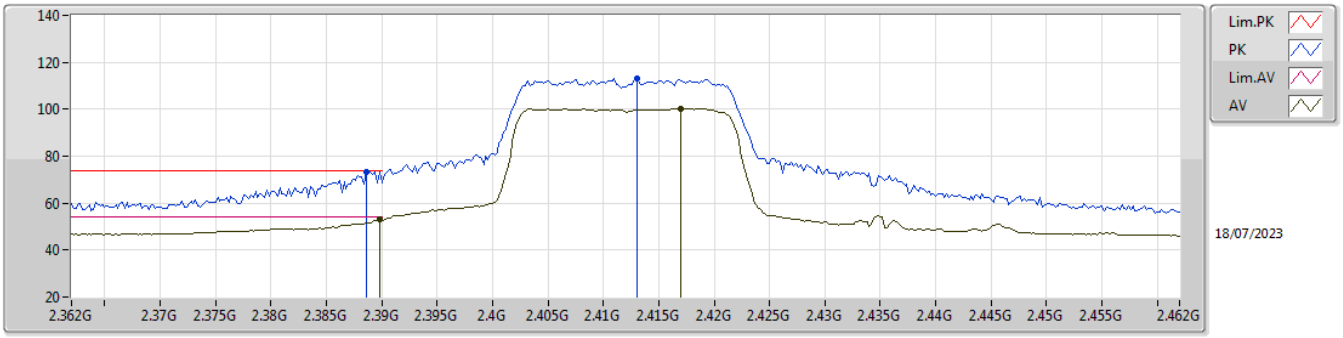


EUT Z_2TX
Setting 56
06-D-B-5

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	2.38G	61.95	74.00	-12.05	29.20	3	Vertical	24	2.08	-	27.68	5.07	-
AV	2.3806G	47.81	54.00	-6.19	15.06	3	Vertical	24	2.08	-	27.68	5.07	-
PK	2.4194G	111.73	Inf	-Inf	79.02	3	Vertical	24	2.08	-	27.60	5.11	-
AV	2.4188G	99.18	Inf	-Inf	66.47	3	Vertical	24	2.08	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

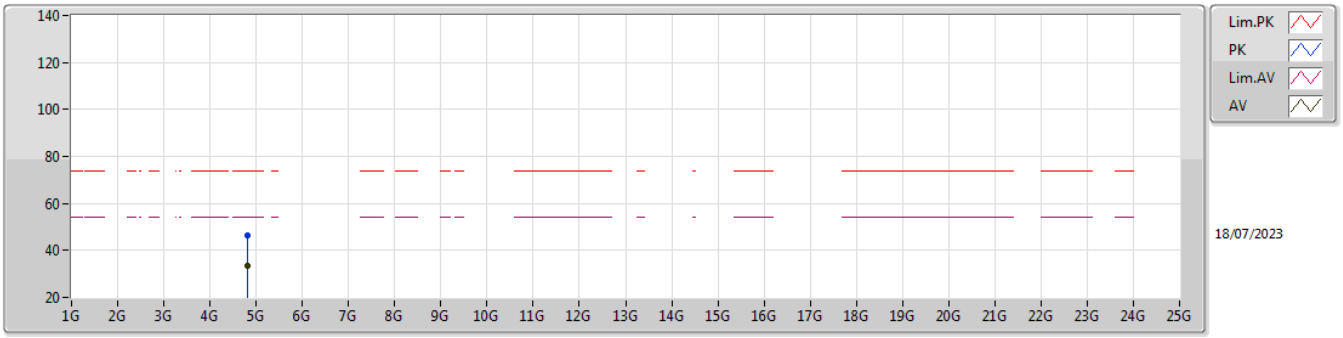


EUT Z_2TX
Setting 56
06-D-B-5

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	73.50	74.00	-0.50	40.77	3	Horizontal	72	3.00	-	27.65	5.08	-
AV	2.3898G	52.94	54.00	-1.06	20.21	3	Horizontal	72	3.00	-	27.64	5.09	-
PK	2.413G	113.15	Inf	-Inf	80.44	3	Horizontal	72	3.00	-	27.60	5.11	-
AV	2.417G	100.18	Inf	-Inf	67.47	3	Horizontal	72	3.00	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

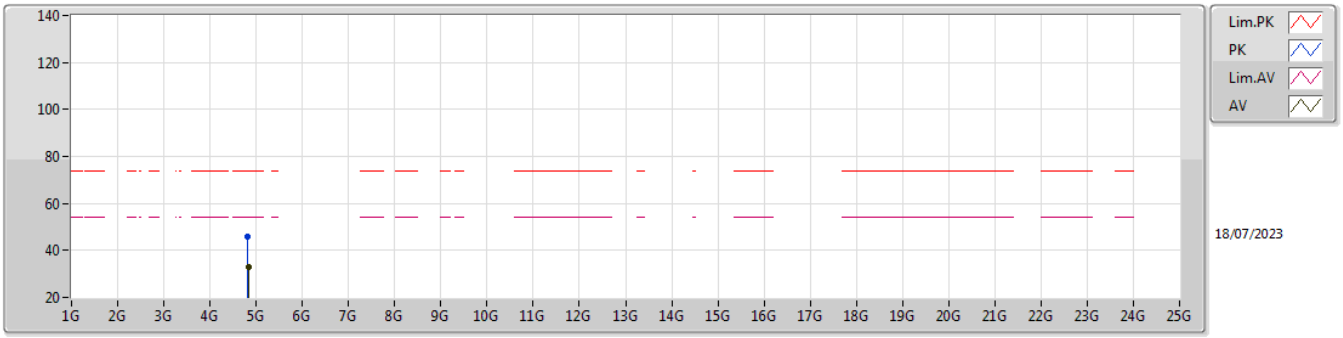


EUT X_2TX
Setting 61
06-D-B-5

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	4.82372G	46.28	74.00	-27.72	40.69	3	Vertical	154	2.54	-	31.35	6.76	32.52
AV	4.82268G	33.21	54.00	-20.79	27.62	3	Vertical	154	2.54	-	31.35	6.76	32.52

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

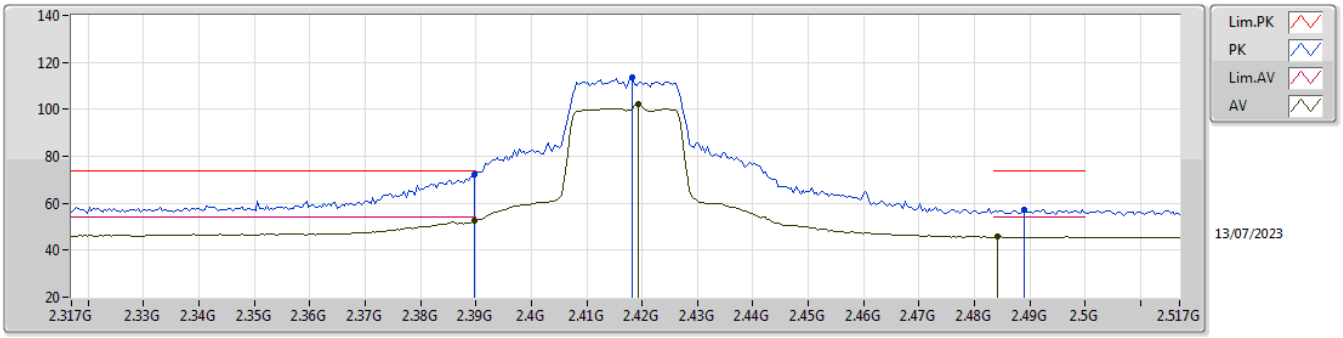


EUT X_2TX
Setting 61
06-D-B-5

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	4.81992G	45.91	74.00	-28.09	40.33	3	Horizontal	119	1.00	-	31.34	6.76	32.52
AV	4.82516G	33.05	54.00	-20.95	27.46	3	Horizontal	119	1.00	-	31.35	6.76	32.52

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

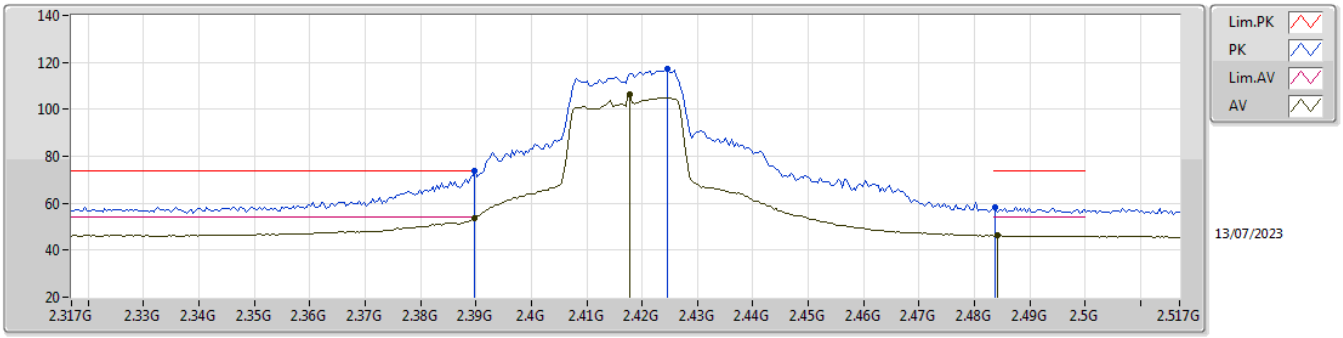


EUT Z_2TX
Setting 70
06-D-G-4

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	72.18	74.00	-1.82	39.45	3	Vertical	358	1.19	-	27.64	5.09	-
AV	2.3898G	52.60	54.00	-1.40	19.87	3	Vertical	358	1.19	-	27.64	5.09	-
PK	2.4182G	113.50	Inf	-Inf	80.79	3	Vertical	358	1.19	-	27.60	5.11	-
AV	2.4194G	102.31	Inf	-Inf	69.60	3	Vertical	358	1.19	-	27.60	5.11	-
PK	2.489G	57.27	74.00	-16.73	24.56	3	Vertical	358	1.19	-	27.60	5.11	-
AV	2.4842G	45.80	54.00	-8.20	13.09	3	Vertical	358	1.19	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

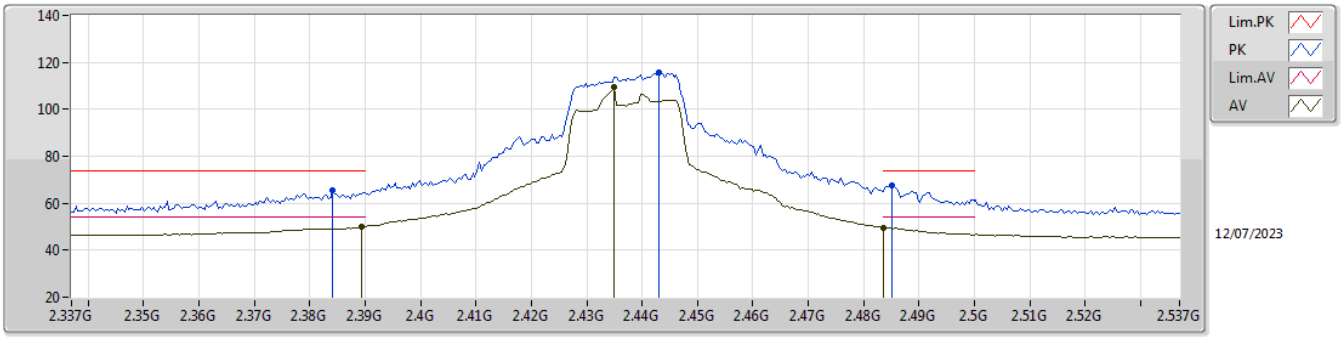


EUT Z_2TX
Setting 70
06-D-G-4

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	73.62	74.00	-0.38	40.89	3	Horizontal	82	2.40	-	27.64	5.09	-
AV	2.3898G	53.65	54.00	-0.35	20.92	3	Horizontal	82	2.40	-	27.64	5.09	-
PK	2.4246G	117.03	Inf	-Inf	84.32	3	Horizontal	82	2.40	-	27.60	5.11	-
AV	2.4178G	106.25	Inf	-Inf	73.54	3	Horizontal	82	2.40	-	27.60	5.11	-
PK	2.4838G	58.26	74.00	-15.74	25.55	3	Horizontal	82	2.40	-	27.60	5.11	-
AV	2.4842G	46.19	54.00	-7.81	13.48	3	Horizontal	82	2.40	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

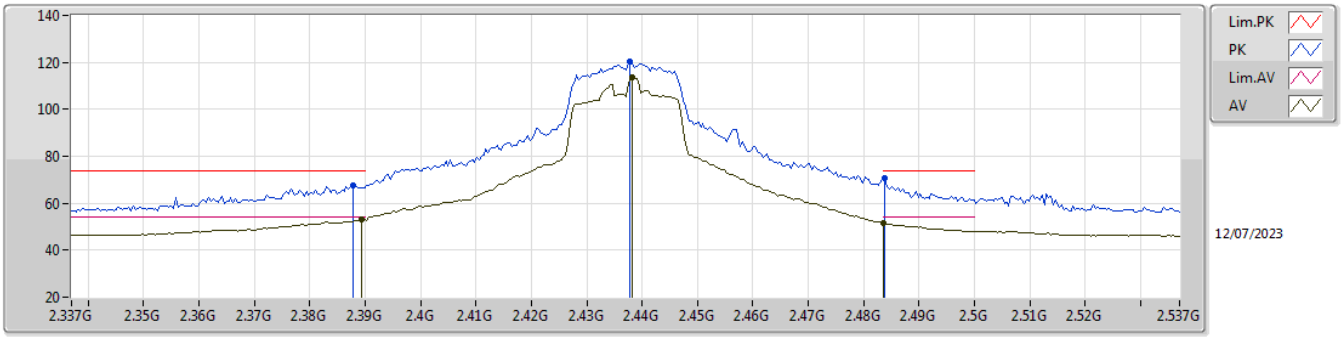


EUT Z_2TX
Setting 80
06-D-G-4

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	2.3842G	65.52	74.00	-8.48	32.79	3	Vertical	21	1.03	-	27.66	5.07	-
AV	2.3894G	49.89	54.00	-4.11	17.16	3	Vertical	21	1.03	-	27.64	5.09	-
PK	2.443G	115.80	Inf	-Inf	83.09	3	Vertical	21	1.03	-	27.60	5.11	-
AV	2.435G	109.36	Inf	-Inf	76.65	3	Vertical	21	1.03	-	27.60	5.11	-
PK	2.485G	67.55	74.00	-6.45	34.84	3	Vertical	21	1.03	-	27.60	5.11	-
AV	2.4835G	49.74	54.00	-4.26	17.03	3	Vertical	21	1.03	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

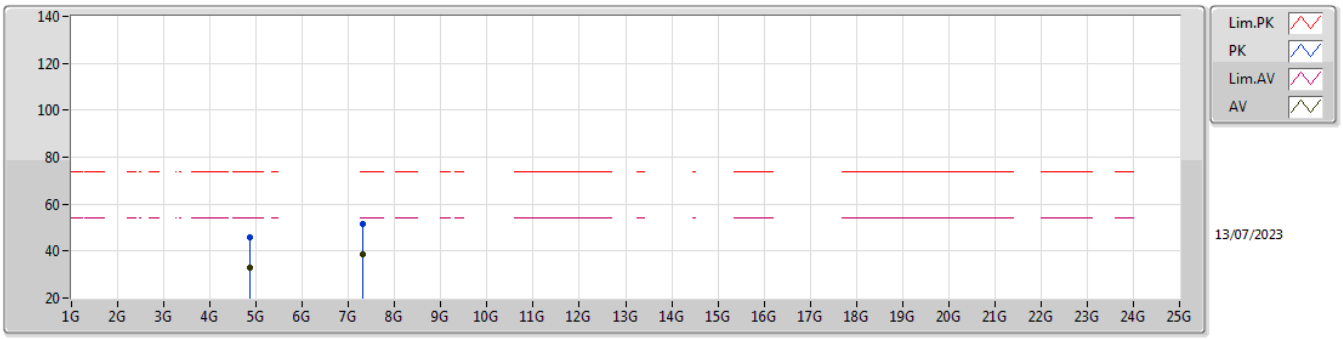


EUT Z_2TX
Setting 80
06-D-G-4

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	67.37	74.00	-6.63	34.64	3	Horizontal	48	3.00	-	27.65	5.08	-
AV	2.3894G	53.28	54.00	-0.72	20.55	3	Horizontal	48	3.00	-	27.64	5.09	-
PK	2.4378G	120.10	Inf	-Inf	87.39	3	Horizontal	48	3.00	-	27.60	5.11	-
AV	2.4382G	113.43	Inf	-Inf	80.72	3	Horizontal	48	3.00	-	27.60	5.11	-
PK	2.4838G	70.50	74.00	-3.50	37.79	3	Horizontal	48	3.00	-	27.60	5.11	-
AV	2.4835G	51.41	54.00	-2.59	18.70	3	Horizontal	48	3.00	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

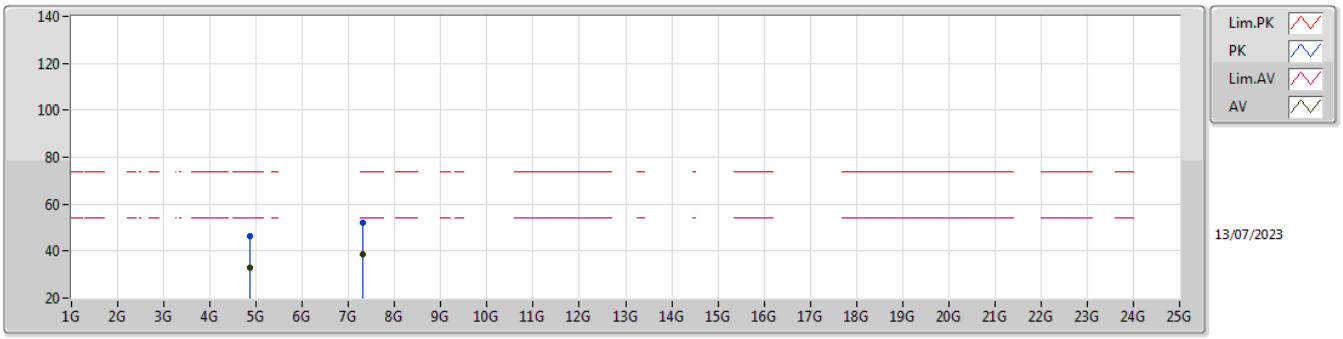


EUT X_2TX
Setting 80
06-D-G-4

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	4.87114G	46.04	74.00	-27.96	40.37	3	Vertical	320	1.06	-	31.40	6.77	32.50
AV	4.87092G	32.68	54.00	-21.32	27.01	3	Vertical	320	1.06	-	31.40	6.77	32.50
PK	7.3091G	51.43	74.00	-22.57	40.09	3	Vertical	44	2.26	-	36.70	8.08	33.44
AV	7.31276G	38.74	54.00	-15.26	27.40	3	Vertical	44	2.26	-	36.70	8.08	33.44

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

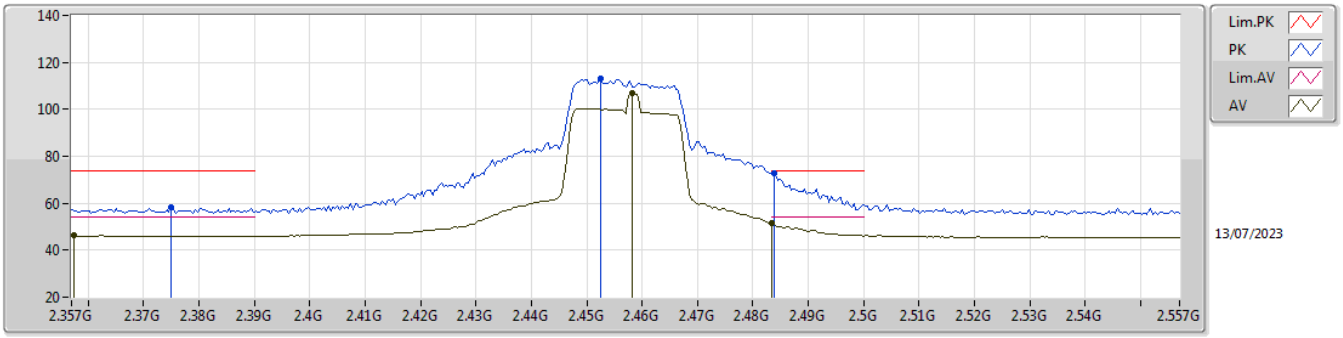


EUT X_2TX
Setting 80
06-D-G-4

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	4.87044G	46.43	74.00	-27.57	40.76	3	Horizontal	281	1.38	-	31.40	6.77	32.50
AV	4.8695G	32.73	54.00	-21.27	27.06	3	Horizontal	281	1.38	-	31.40	6.77	32.50
PK	7.31564G	52.12	74.00	-21.88	40.79	3	Horizontal	81	2.60	-	36.70	8.07	33.44
AV	7.31026G	38.67	54.00	-15.33	27.33	3	Horizontal	81	2.60	-	36.70	8.08	33.44

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

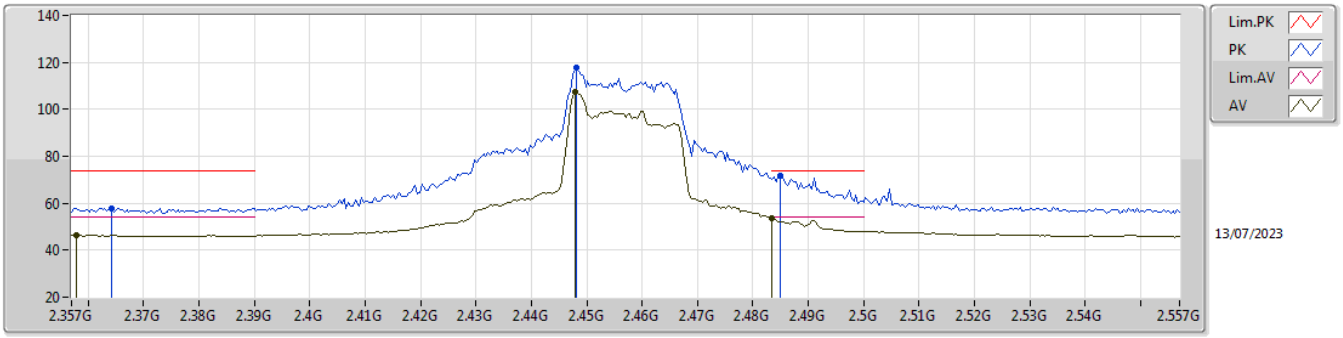


EUT Z_2TX
Setting 70
06-D-G-4

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	2.375G	58.21	74.00	-15.79	25.46	3	Vertical	22	1.08	-	27.70	5.05	-
AV	2.3574G	46.28	54.00	-7.72	13.50	3	Vertical	22	1.08	-	27.77	5.01	-
PK	2.4526G	112.88	Inf	-Inf	80.17	3	Vertical	22	1.08	-	27.60	5.11	-
AV	2.4582G	106.78	Inf	-Inf	74.07	3	Vertical	22	1.08	-	27.60	5.11	-
PK	2.4838G	72.71	74.00	-1.29	40.00	3	Vertical	22	1.08	-	27.60	5.11	-
AV	2.4835G	51.44	54.00	-2.56	18.73	3	Vertical	22	1.08	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

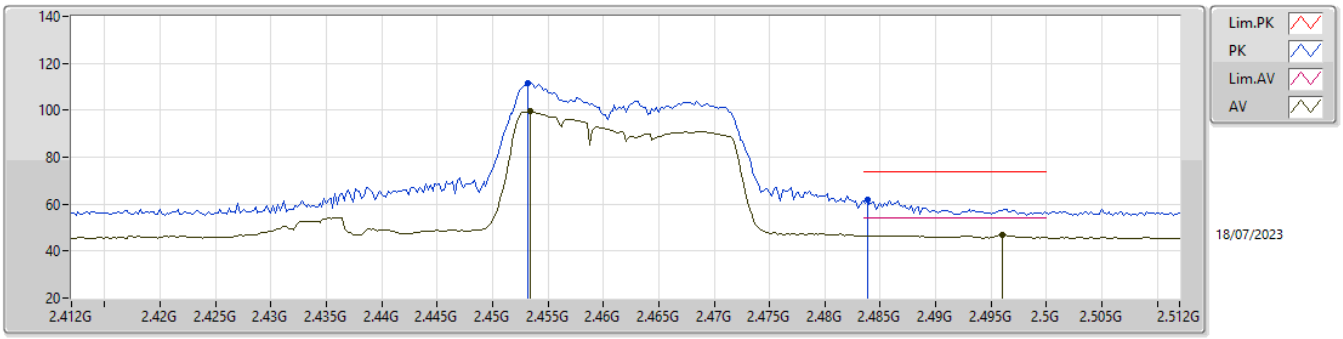


EUT Z_2TX
Setting 70
06-D-G-4

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	2.3642G	57.99	74.00	-16.01	25.22	3	Horizontal	82	1.15	-	27.74	5.03	-
AV	2.3578G	46.44	54.00	-7.56	13.65	3	Horizontal	82	1.15	-	27.77	5.02	-
PK	2.4482G	117.84	Inf	-Inf	85.13	3	Horizontal	82	1.15	-	27.60	5.11	-
AV	2.4478G	107.18	Inf	-Inf	74.47	3	Horizontal	82	1.15	-	27.60	5.11	-
PK	2.485G	71.90	74.00	-2.10	39.19	3	Horizontal	82	1.15	-	27.60	5.11	-
AV	2.4835G	53.61	54.00	-0.39	20.90	3	Horizontal	82	1.15	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

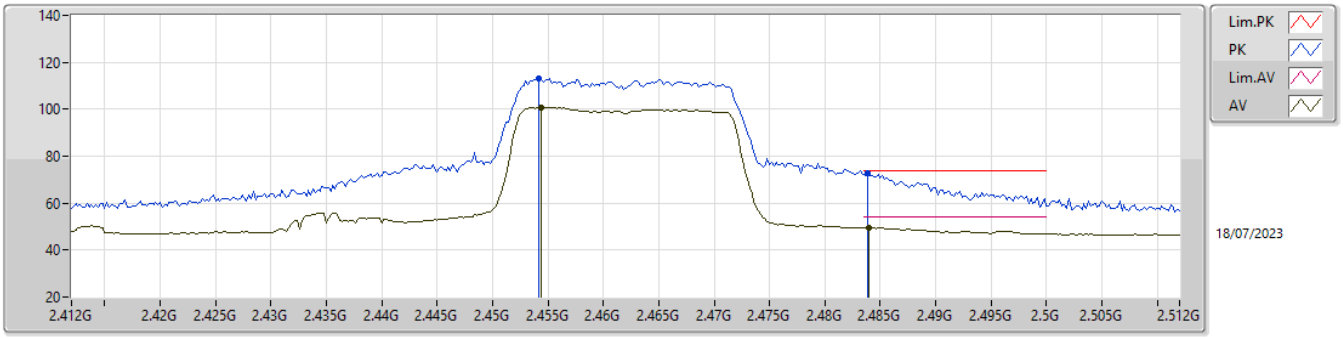


EUT Z_2TX
Setting 59
06-D-B-5

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	2.4532G	111.69	Inf	-Inf	78.98	3	Vertical	71	2.52	-	27.60	5.11	-
AV	2.4534G	99.40	Inf	-Inf	66.69	3	Vertical	71	2.52	-	27.60	5.11	-
PK	2.4838G	61.93	74.00	-12.07	29.22	3	Vertical	71	2.52	-	27.60	5.11	-
AV	2.496G	46.80	54.00	-7.20	14.09	3	Vertical	71	2.52	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

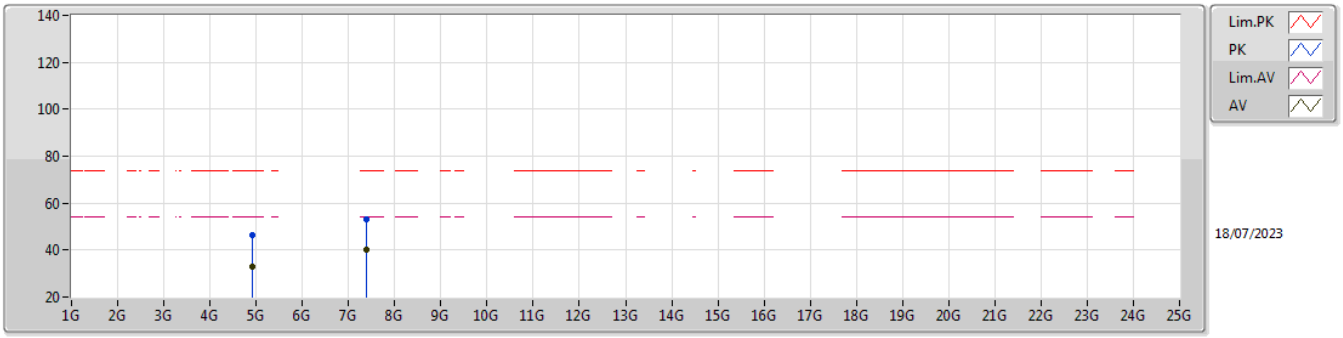


EUT Z_2TX
Setting 59
06-D-B-5

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	2.4542G	112.92	Inf	-Inf	80.21	3	Horizontal	49	1.02	-	27.60	5.11	-
AV	2.4544G	100.77	Inf	-Inf	68.06	3	Horizontal	49	1.02	-	27.60	5.11	-
PK	2.4838G	72.88	74.00	-1.12	40.17	3	Horizontal	49	1.02	-	27.60	5.11	-
AV	2.484G	49.48	54.00	-4.52	16.77	3	Horizontal	49	1.02	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

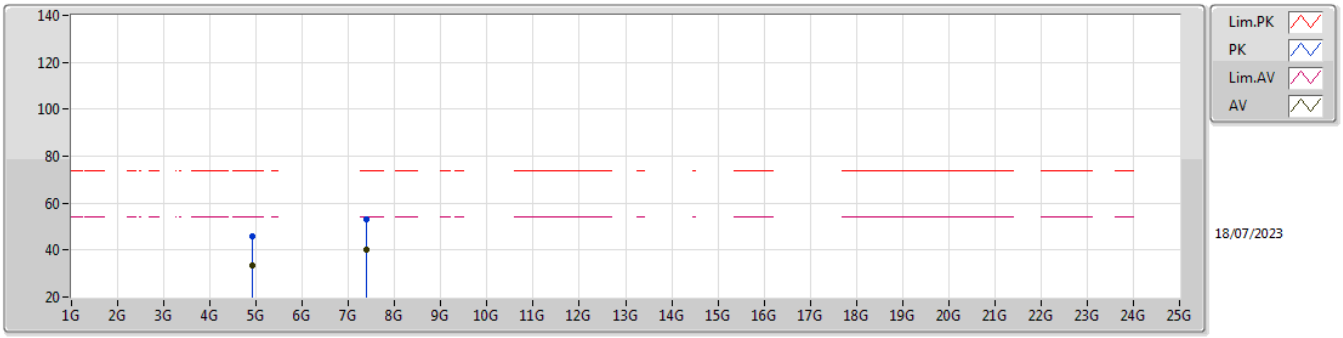


EUT X_2TX
Setting 59
06-D-B-5

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	4.91996G	46.37	74.00	-27.63	40.62	3	Vertical	170	1.75	-	31.44	6.79	32.48
AV	4.919G	33.18	54.00	-20.82	27.43	3	Vertical	170	1.75	-	31.44	6.79	32.48
PK	7.39224G	53.06	74.00	-20.94	41.91	3	Vertical	265	2.62	-	36.70	7.99	33.54
AV	7.39488G	40.06	54.00	-13.94	28.92	3	Vertical	265	2.62	-	36.70	7.99	33.55

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

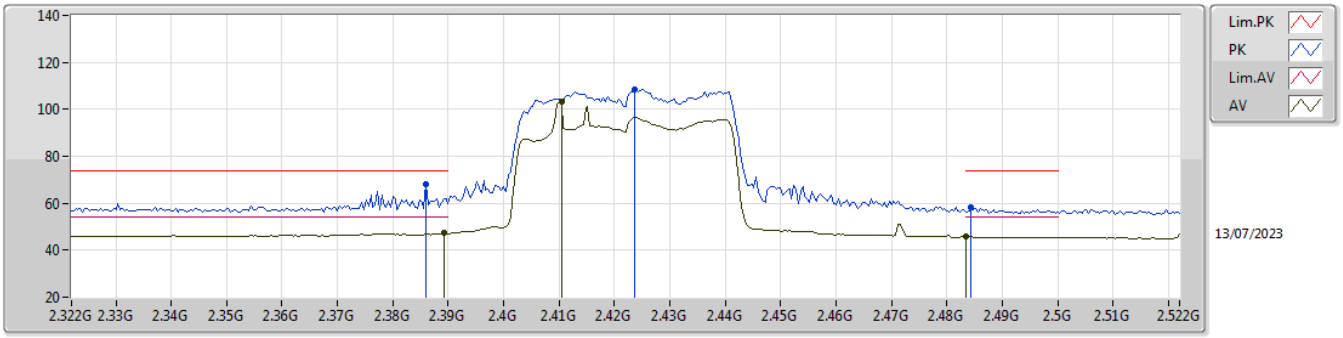


EUT X_2TX
Setting 59
06-D-B-5

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	4.92216G	46.04	74.00	-27.96	40.29	3	Horizontal	172	1.90	-	31.44	6.79	32.48
AV	4.91968G	33.25	54.00	-20.75	27.50	3	Horizontal	172	1.90	-	31.44	6.79	32.48
PK	7.38956G	53.07	74.00	-20.93	41.92	3	Horizontal	45	1.12	-	36.70	7.99	33.54
AV	7.39116G	39.98	54.00	-14.02	28.83	3	Horizontal	45	1.12	-	36.70	7.99	33.54

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

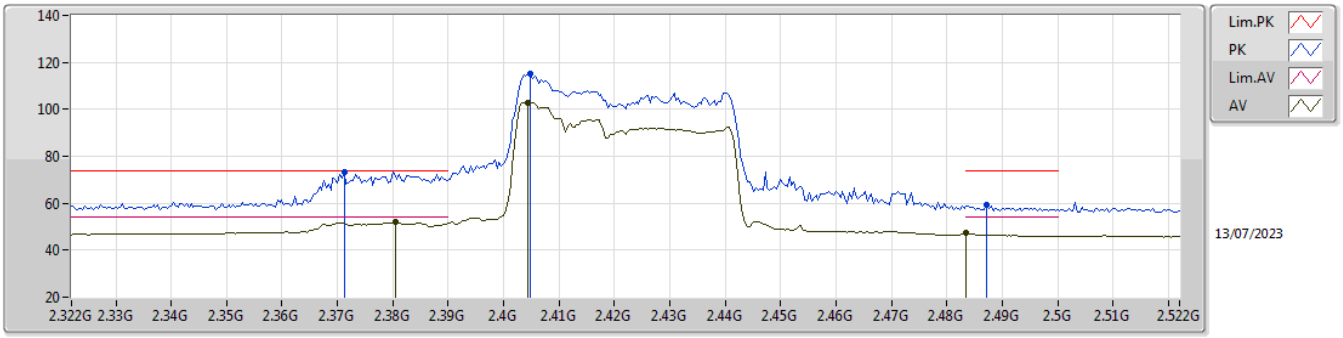


EUT Z_2TX
Setting 55
06-D-G-4

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	2.386G	68.02	74.00	-5.98	35.28	3	Vertical	11	1.08	-	27.66	5.08	-
AV	2.3892G	47.19	54.00	-6.81	14.46	3	Vertical	11	1.08	-	27.64	5.09	-
PK	2.4236G	108.58	Inf	-Inf	75.87	3	Vertical	11	1.08	-	27.60	5.11	-
AV	2.4104G	103.18	Inf	-Inf	70.47	3	Vertical	11	1.08	-	27.60	5.11	-
PK	2.4844G	58.07	74.00	-15.93	25.36	3	Vertical	11	1.08	-	27.60	5.11	-
AV	2.4835G	45.65	54.00	-8.35	12.94	3	Vertical	11	1.08	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

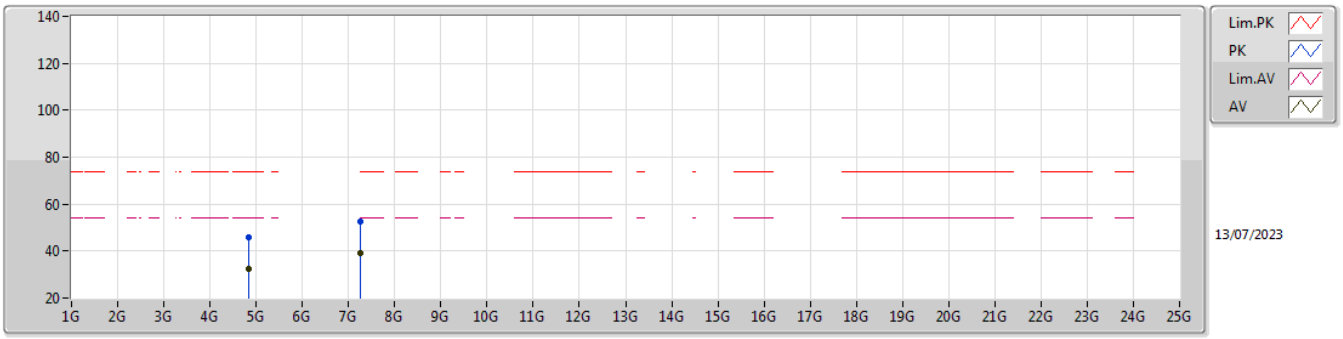


EUT Z_2TX
Setting 55
06-D-G-4

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	2.3712G	73.33	74.00	-0.67	40.56	3	Horizontal	46	1.01	-	27.72	5.05	-
AV	2.3804G	51.82	54.00	-2.18	19.07	3	Horizontal	46	1.01	-	27.68	5.07	-
PK	2.4048G	115.33	Inf	-Inf	82.62	3	Horizontal	46	1.01	-	27.60	5.11	-
AV	2.4044G	103.00	Inf	-Inf	70.29	3	Horizontal	46	1.01	-	27.60	5.11	-
PK	2.4872G	59.32	74.00	-14.68	26.61	3	Horizontal	46	1.01	-	27.60	5.11	-
AV	2.4835G	47.24	54.00	-6.76	14.53	3	Horizontal	46	1.01	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

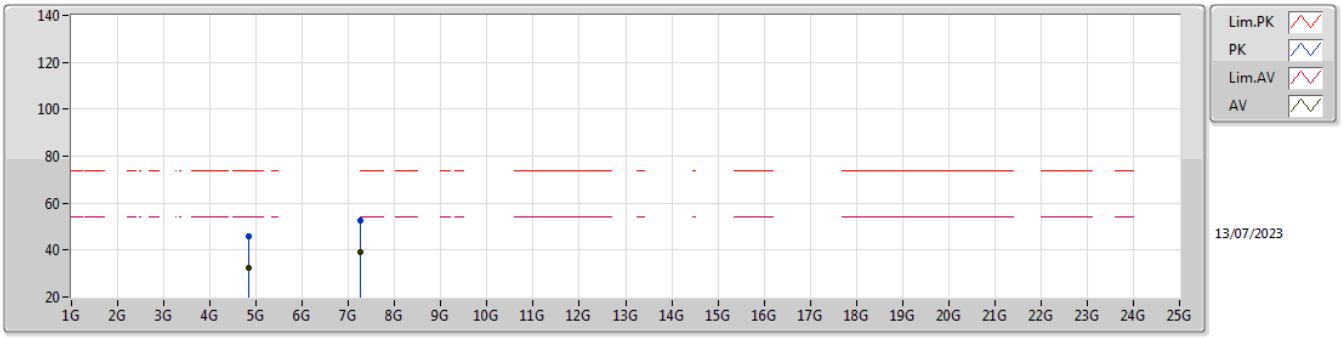


EUT X_2TX
Setting 55
06-D-G-4

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	4.84358G	45.84	74.00	-28.16	40.19	3	Vertical	316	1.60	-	31.39	6.77	32.51
AV	4.84882G	32.46	54.00	-21.54	26.80	3	Vertical	316	1.60	-	31.40	6.77	32.51
PK	7.26354G	52.35	74.00	-21.65	40.97	3	Vertical	133	2.58	-	36.63	8.13	33.38
AV	7.26218G	39.12	54.00	-14.88	27.75	3	Vertical	133	2.58	-	36.62	8.13	33.38

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

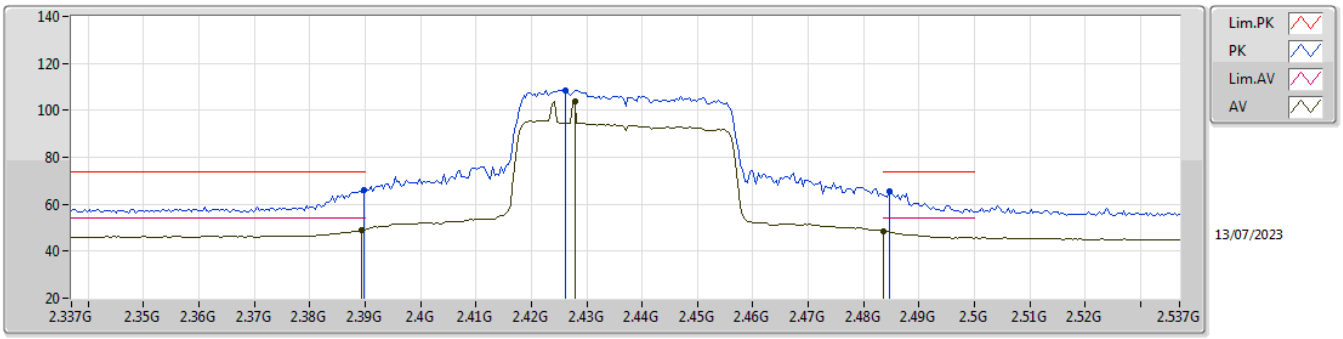


EUT X_2TX
Setting 55
06-D-G-4

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	4.8429G	45.90	74.00	-28.10	40.25	3	Horizontal	109	2.32	-	31.39	6.77	32.51
AV	4.84456G	32.50	54.00	-21.50	26.85	3	Horizontal	109	2.32	-	31.39	6.77	32.51
PK	7.26136G	52.67	74.00	-21.33	41.29	3	Horizontal	255	1.32	-	36.62	8.13	33.37
AV	7.26102G	39.39	54.00	-14.61	28.01	3	Horizontal	255	1.32	-	36.62	8.13	33.37

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

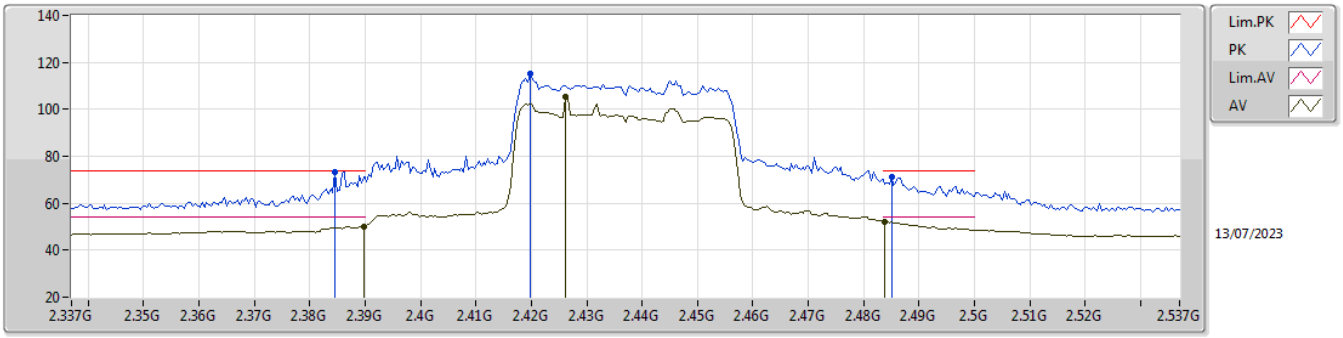


EUT Z_2TX
Setting 64
06-D-G-4

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	66.20	74.00	-7.80	33.47	3	Vertical	320	1.08	-	27.64	5.09	-
AV	2.3894G	49.01	54.00	-4.99	16.28	3	Vertical	320	1.08	-	27.64	5.09	-
PK	2.4262G	108.64	Inf	-Inf	75.93	3	Vertical	320	1.08	-	27.60	5.11	-
AV	2.4278G	103.95	Inf	-Inf	71.24	3	Vertical	320	1.08	-	27.60	5.11	-
PK	2.4846G	65.35	74.00	-8.65	32.64	3	Vertical	320	1.08	-	27.60	5.11	-
AV	2.4835G	48.53	54.00	-5.47	15.82	3	Vertical	320	1.08	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

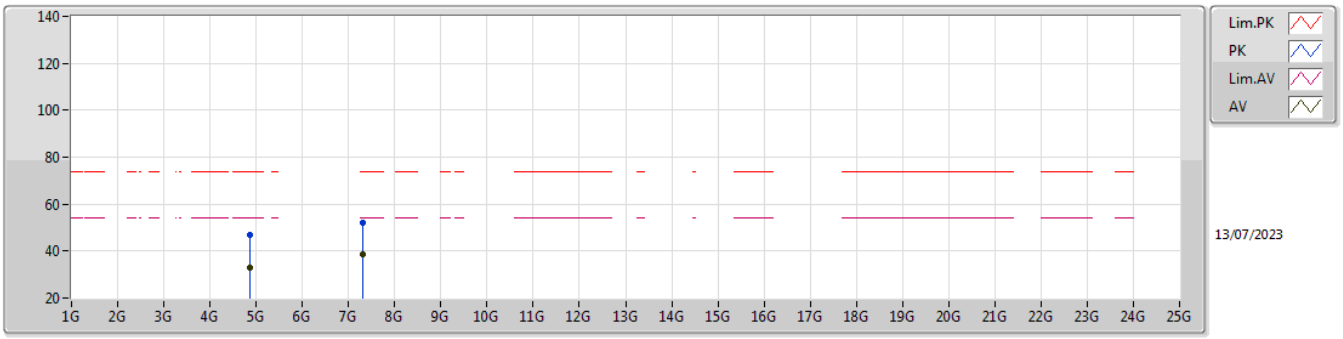


EUT Z_2TX
Setting 64
06-D-G-4

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	2.3846G	73.45	74.00	-0.55	40.71	3	Horizontal	45	1.80	-	27.66	5.08	-
AV	2.3898G	50.18	54.00	-3.82	17.45	3	Horizontal	45	1.80	-	27.64	5.09	-
PK	2.4198G	115.26	Inf	-Inf	82.55	3	Horizontal	45	1.80	-	27.60	5.11	-
AV	2.4262G	105.21	Inf	-Inf	72.50	3	Horizontal	45	1.80	-	27.60	5.11	-
PK	2.485G	71.44	74.00	-2.56	38.73	3	Horizontal	45	1.80	-	27.60	5.11	-
AV	2.4838G	52.29	54.00	-1.71	19.58	3	Horizontal	45	1.80	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

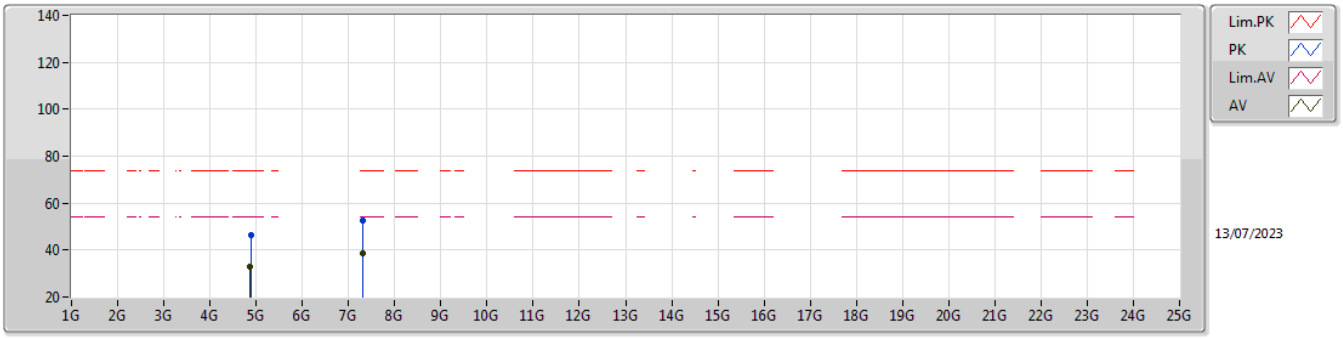


EUT X_2TX
Setting 64
06-D-G-4

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	4.86952G	46.71	74.00	-27.29	41.04	3	Vertical	116	2.07	-	31.40	6.77	32.50
AV	4.87602G	32.74	54.00	-21.26	27.06	3	Vertical	116	2.07	-	31.40	6.78	32.50
PK	7.30834G	51.96	74.00	-22.04	40.61	3	Vertical	191	2.29	-	36.70	8.08	33.43
AV	7.31236G	38.76	54.00	-15.24	27.42	3	Vertical	191	2.29	-	36.70	8.08	33.44

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

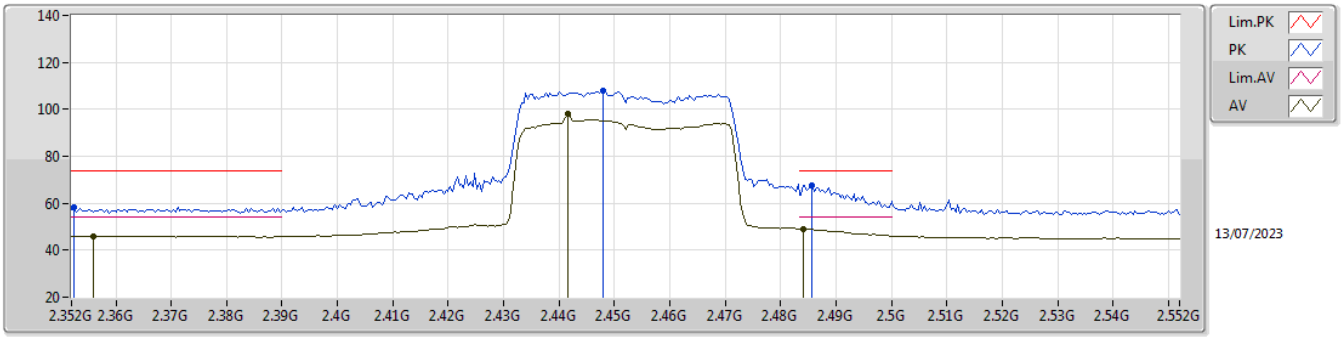


EUT X_2TX
Setting 64
06-D-G-4

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	4.87776G	46.60	74.00	-27.40	40.92	3	Horizontal	47	2.40	-	31.40	6.78	32.50
AV	4.869G	32.89	54.00	-21.11	27.22	3	Horizontal	47	2.40	-	31.40	6.77	32.50
PK	7.30866G	52.58	74.00	-21.42	41.24	3	Horizontal	31	2.00	-	36.70	8.08	33.44
AV	7.31154G	38.67	54.00	-15.33	27.33	3	Horizontal	31	2.00	-	36.70	8.08	33.44

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

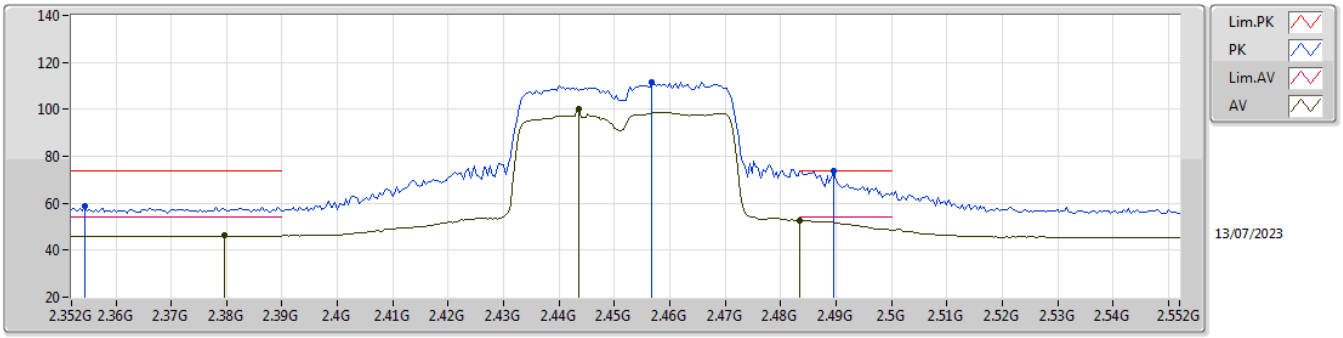


EUT Z_2TX
Setting 57
06-D-G-4

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	2.3524G	58.07	74.00	-15.93	25.28	3	Vertical	0	1.09	-	27.79	5.00	-
AV	2.356G	45.93	54.00	-8.07	13.14	3	Vertical	0	1.09	-	27.78	5.01	-
PK	2.448G	107.73	Inf	-Inf	75.02	3	Vertical	0	1.09	-	27.60	5.11	-
AV	2.4416G	98.35	Inf	-Inf	65.64	3	Vertical	0	1.09	-	27.60	5.11	-
PK	2.4856G	67.84	74.00	-6.16	35.13	3	Vertical	0	1.09	-	27.60	5.11	-
AV	2.484G	48.95	54.00	-5.05	16.24	3	Vertical	0	1.09	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

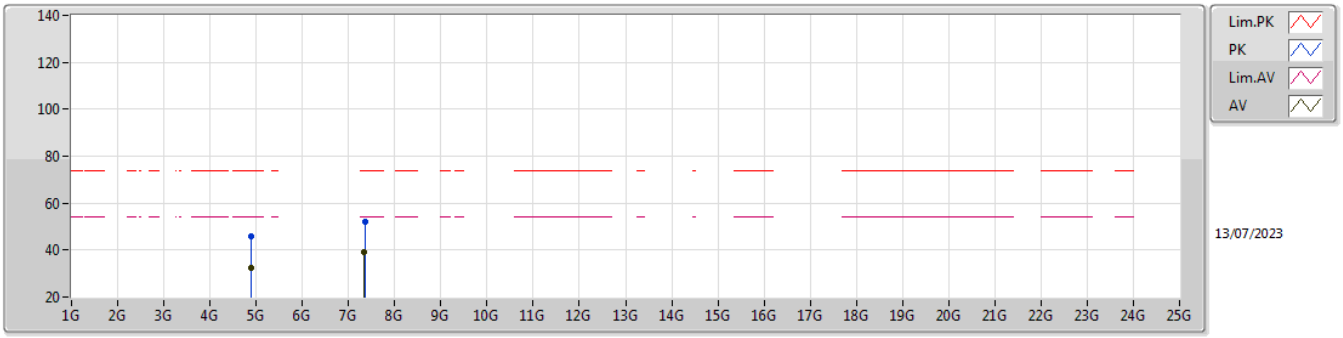


EUT Z_2TX
Setting 57
06-D-G-4

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	2.3544G	58.89	74.00	-15.11	26.10	3	Horizontal	51	2.90	-	27.78	5.01	-
AV	2.3796G	46.19	54.00	-7.81	13.45	3	Horizontal	51	2.90	-	27.68	5.06	-
PK	2.4568G	111.73	Inf	-Inf	79.02	3	Horizontal	51	2.90	-	27.60	5.11	-
AV	2.4436G	100.14	Inf	-Inf	67.43	3	Horizontal	51	2.90	-	27.60	5.11	-
PK	2.4896G	73.80	74.00	-0.20	41.09	3	Horizontal	51	2.90	-	27.60	5.11	-
AV	2.4835G	52.65	54.00	-1.35	19.94	3	Horizontal	51	2.90	-	27.60	5.11	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

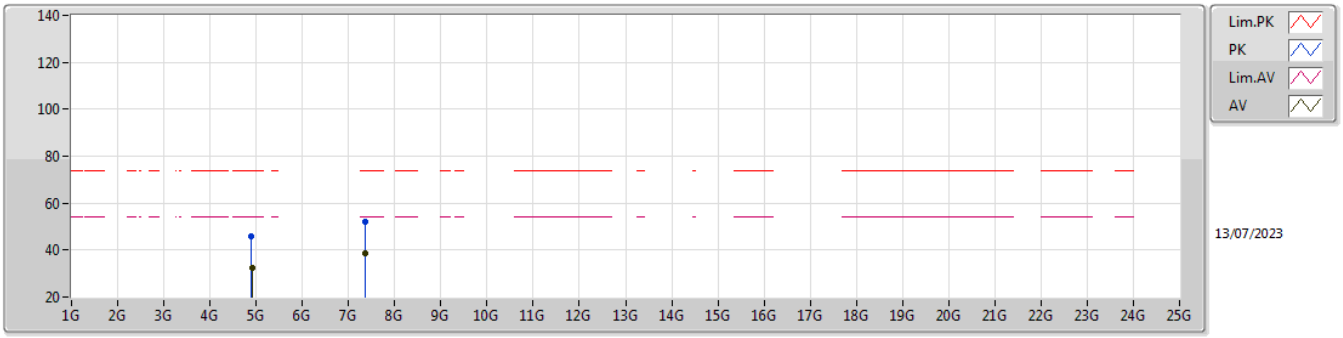


EUT X_2TX
Setting 57
06-D-G-4

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	4.89792G	45.72	74.00	-28.28	40.03	3	Vertical	193	1.68	-	31.40	6.78	32.49
AV	4.8962G	32.42	54.00	-21.58	26.73	3	Vertical	193	1.68	-	31.40	6.78	32.49
PK	7.34976G	52.32	74.00	-21.68	41.07	3	Vertical	164	2.67	-	36.70	8.04	33.49
AV	7.3424G	39.00	54.00	-15.00	27.74	3	Vertical	164	2.67	-	36.70	8.04	33.48

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX



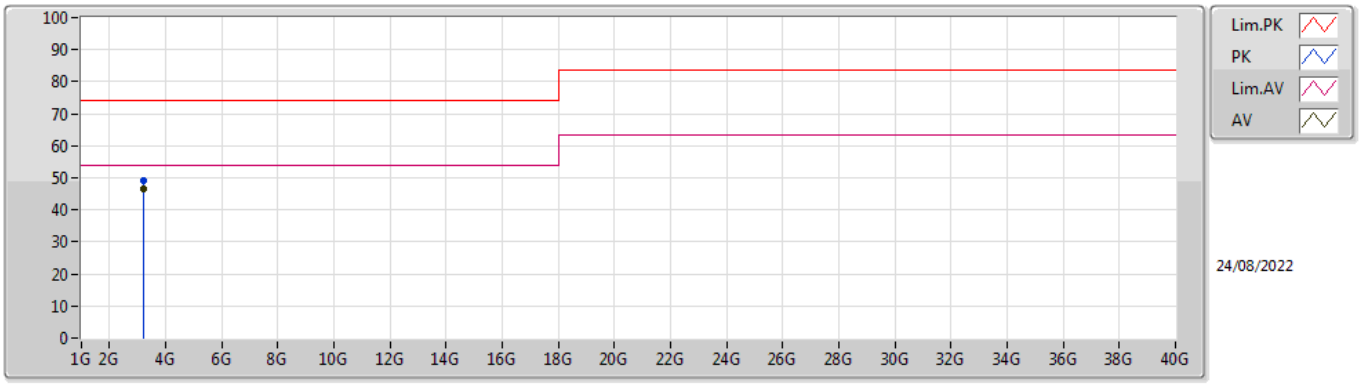
EUT X_2TX
Setting 57
06-D-G-4

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	4.89964G	45.97	74.00	-28.03	40.28	3	Horizontal	268	2.13	-	31.40	6.78	32.49
AV	4.90394G	32.47	54.00	-21.53	26.75	3	Horizontal	268	2.13	-	31.41	6.79	32.48
PK	7.3545G	52.07	74.00	-21.93	40.83	3	Horizontal	180	2.37	-	36.70	8.03	33.49
AV	7.35676G	38.85	54.00	-15.15	27.62	3	Horizontal	180	2.37	-	36.70	8.03	33.50

Summary

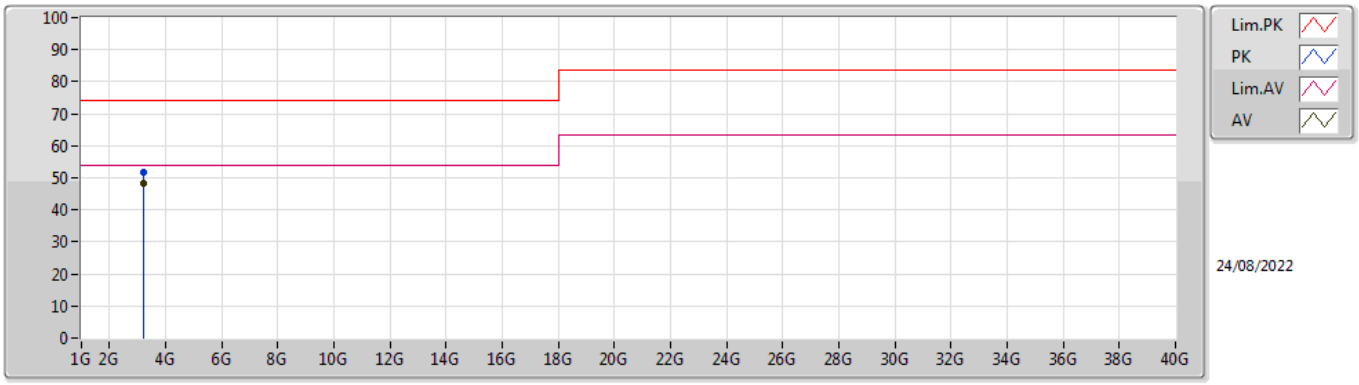
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.19991G	48.13	54.00	-5.87	Horizontal

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	3.20001G	49.33	74.00	-24.67	-0.21	3	Vertical	110	1.04	-	49.54	29.90	5.80	35.91
AV	3.19987G	46.61	54.00	-7.39	-0.21	3	Vertical	110	1.04	"Worst"	46.82	29.90	5.80	35.91

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	3.20002G	51.69	74.00	-22.31	-0.21	3	Horizontal	313	1.21	-	51.90	29.90	5.80	35.91
AV	3.19991G	48.13	54.00	-5.87	-0.21	3	Horizontal	313	1.21	"Worst"	48.34	29.90	5.80	35.91