Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	MSQ-RTAX4T00
Equipment	:	AXE7800 Tri Band WiFi Router, AXE6600 Tri Band WiFi Router
Brand Name	:	ASUS
Model Name	:	ET9, ET8, EBM69, AXE7800, AXE6600
Applicant	:	ASUSTeK COMPUTER INC. 1F., No. 15, Lide Rd., Beitou, Taipei City 112, Taiwan
Standard	:	47 CFR FCC Part 15.247

The product was received on Dec. 28, 2023, and testing was started from Jan. 03, 2024 and completed on Mar. 01, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR162923AA	01	Initial issue of report	Mar. 14, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen
Report Producer: Muse Chan

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, 1024QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	M.gear	C660-510551-A	Dipole	I-PEX	Note 1
2	M.gear	C660-510551-A	Dipole	I-PEX	
3	M.gear	C660-510551-A	Dipole	I-PEX	
4	M.gear	C660-510551-A	Dipole	I-PEX	
5	M.gear	C660-510551-A	Dipole	I-PEX	
6	M.gear	C660-510551-A	Dipole	I-PEX	

Note 1:

Ant.	Port		Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz			
				UNII 1	UNII 2A	UNII 2C	UNII 3
1	1	1	3.38	5.33	5.53	5.70	4.45
2	2	2	4.26	3.85	4.03	3.88	3.16

Ant.	Port	Antenna Gain (dBi)			
	WLAN 6GHz UNII 5~8	WLAN 6GHz			
		UNII 5	UNII 6	UNII 7	UNII 8
3	1	3.14	3.66	3.92	4.79
4	2	5.20	5.20	5.91	5.81
5	3	4.96	3.16	4.67	5.52
6	4	3.14	2.67	2.29	4.15

Item	Directional gain (dBi)								
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
2T1S	4.86	5.49	5.60	6.21	6.33	-	-	-	-
2T2S	4.26	5.33	5.53	5.70	4.45	-	-	-	-
4T1S	-	-	-	-	-	6.04	5.65	6.14	6.19
4T2S	-	-	-	-	-	5.20	5.20	5.91	5.81
4T4S	-	-	-	-	-	5.20	5.20	5.91	5.81

Note 2: The above information (except antenna gain and directional gain) was declared by manufacturer.
Note 3: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.
Note 4: **For 2.4GHz function:**
For IEEE 802.11 b/g/n/VHT/ax (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 function:
For IEEE 802.11 a/n/ac/ax (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For 6GHz function:
For IEEE 802.11 ax (4TX/4RX):
Port 1~4 can be used as transmitting/receiving antenna.
Port 1~4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss 1,(1D)	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss 1,(6D)	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF_Nss 1,(M0)	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40-BF_Nss 1,(M0)	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	mtool_3.3.0.6			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The equipment name/model names in the following table are all refer to the identical product.

Equipment Name	Model Name	Description
AXE7800 Tri Band WiFi Router, AXE6600 Tri Band WiFi Router	ET9	All the equipment names/models are identical, the difference equipment name/model served as marketing strategy.
	ET8	
	EBM69	
	AXE7800	
	AXE6600	

Note 1: From the above models, model: ET9 was selected as representative model for the test and its data was recorded in this report.
Note 2: The above information was declared by manufacturer.

1.1.6 Table for Components Source Information

EUT	Source	DDR4 (Location: U5)
EUT 1	Main	Brand Name: Samsung
EUT 2	Second	Brand Name: Hynix

Note 1: From the above EUT 1 for all test items and EUT 2 for Radiated Emissions below 1GHz test were selected as representative EUTs for the test and its data was recorded in this report.
Note 2: The above information was declared by manufacturer.

1.1.7 Table for EUT supports functions

Function	Support Type	Supports Band
AP Router	Master	2.4GHz, 5GHz UNII1~3 and 6GHz UNII 5~8
Bridge	Slave without radar detection	2.4GHz, 5GHz UNII1~3
Repeater	Master	2.4GHz, 5GHz UNII1~3
Mesh	Master	2.4GHz or 5GHz UNII1~3 or 6GHz UNII 5~8

Note 1: After evaluating, AP Router mode was selected to test and recorded in the report.
Note 2: The USB port on this device supports both storage and WWAN functionality.
Note 3: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	21.8-22.5 / 65-68	Jan. 08, 2024~ Feb. 01, 2024
Radiated Below 1G	03CH05-CB	Gordon Hung	22.4-23.5 / 55-58	Jan. 03, 2024~ Feb. 16, 2024
Radiated Above 1G	03CH06-CB		21.9-22.8 / 56-58	
Radiated co-location emission				
AC Conduction	CO01-CB	Summer Li	22-23 / 50-51	Jan. 12, 2024~ Mar. 01, 2024

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11b_Nss1,(1Mbps)_2TX
2412MHz
2437MHz
2462MHz
802.11g_Nss1,(6Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11ax HEW20-BF_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11ax HEW40-BF_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz

Note:
- HEW20 / HEW40 covers HT20 / HT40 / VHT20 / VHT40 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 is the same or lower than HEW20 / HEW40.
- The EUT supports non-beamforming and beamforming modes. After evaluating, the beamforming mode was 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	AP Router / WAN mode_EUT 1 - LAN + WAN + USB(R/W) + Adapter 1
2	AP Router / WAN mode_EUT 1 - LAN + WAN + USB(R/W) + Adapter 2
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	AP Router / WWAN mode_EUT 1 - LAN + WAN + USB(WWAN) + Adapter 1
For operating mode 3 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
Operating Mode	
1	EUT 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT 1 in Y axis + Adapter 1_WLAN 2.4GHz
2	EUT 1 in Y axis + Adapter 1_WLAN 5GHz
3	EUT 1 in Y axis + Adapter 1_WLAN 6GHz
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT 1 in Y axis + Adapter 2_WLAN 6GHz
Mode 4 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	

5	EUT 2 in Y axis + Adapter 2_WLAN 6GHz
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT 1 in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT 1 in Y 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	EUT 1 + WLAN 2.4GHz + WLAN 5GHz + 6GHz
2	EUT 1 + WLAN 2.4GHz + WLAN 5GHz + 6GHz + WWAN
Refer to Sporton Test Report No.: FA162923 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 [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client 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 1	LEI	MU36D1120300-A1	INPUT: 100-240V~50/60Hz, 1.0A OUTPUT: 12V, 3A
Adapter 2	APD	WA-36N12FU	INPUT: 100-240V~, 50/60Hz, 0.9A, Max. OUTPUT: 12.0V, 3.0A
Other			
RJ-45 cable, non-shielded, 2m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN1 NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	WAN NB	DELL	E6430	N/A
E	6G Device	INTEL	AX210NGW	PD9AX210NG
F	3G Dongle	CHT	E169	QISE169
G	LAN3 NB	DELL	E6430	N/A
H	6G Device NB	DELL	E6430	N/A
I	SIM Card	Anritsu	N/A	N/A
J	LTE Base station	Anritsu	MT8820C	N/A

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

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

For Radiated (above 1GHz) <Beamforming mode>:

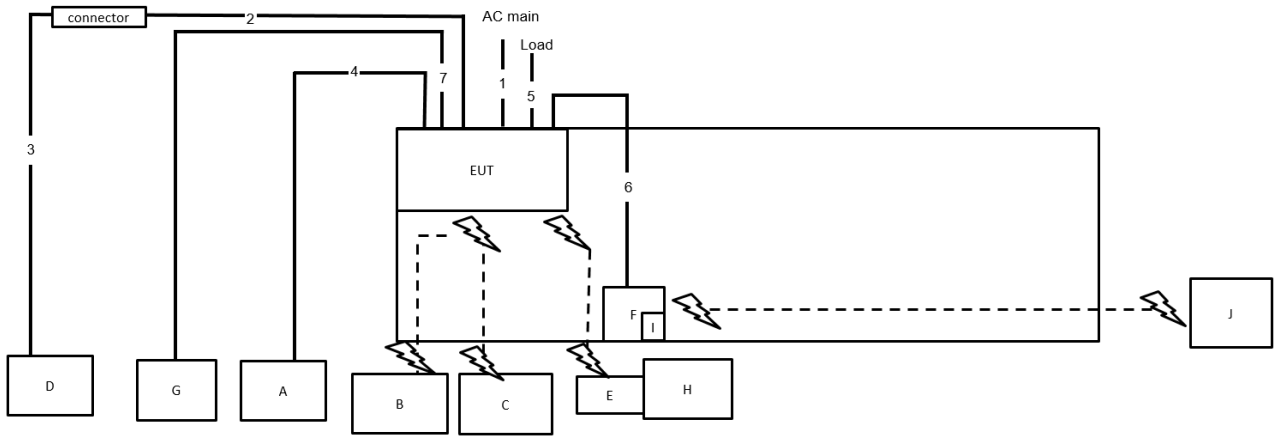
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Client	ASUS	UX482EGR	N/A
C	NB	DELL	E4300	N/A

For RF Conducted:

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

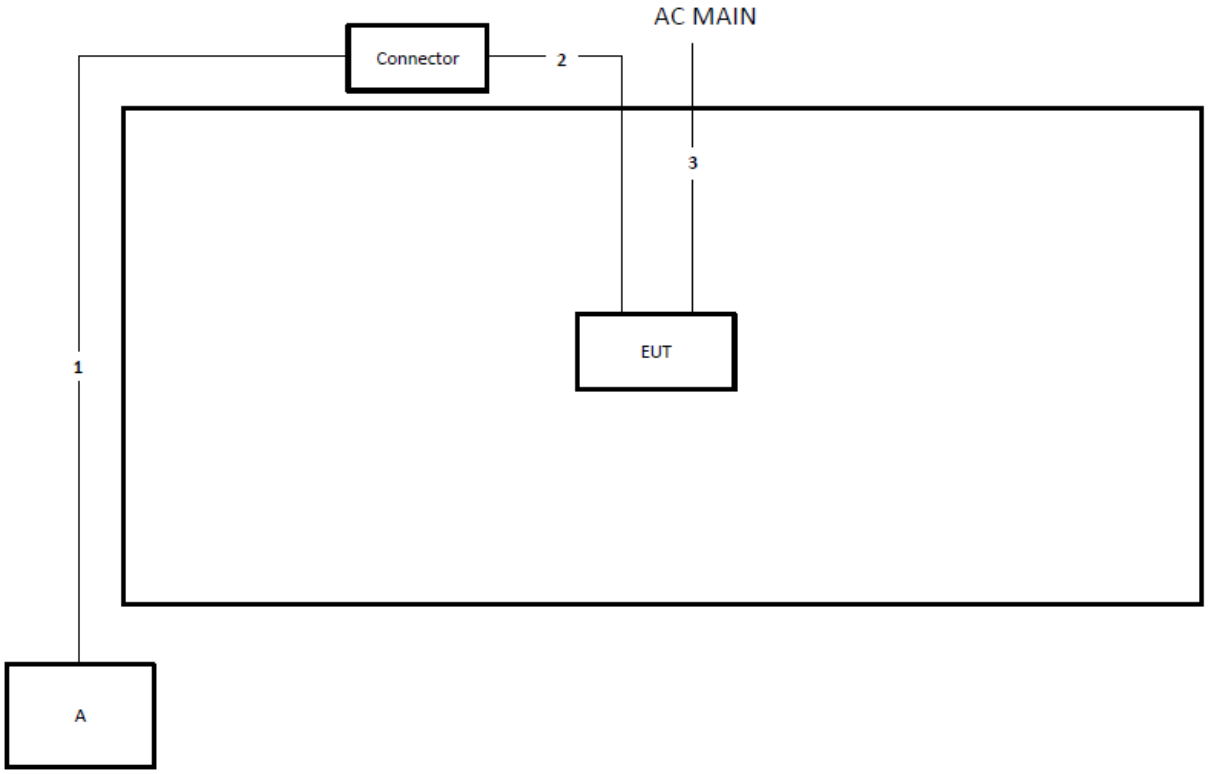
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



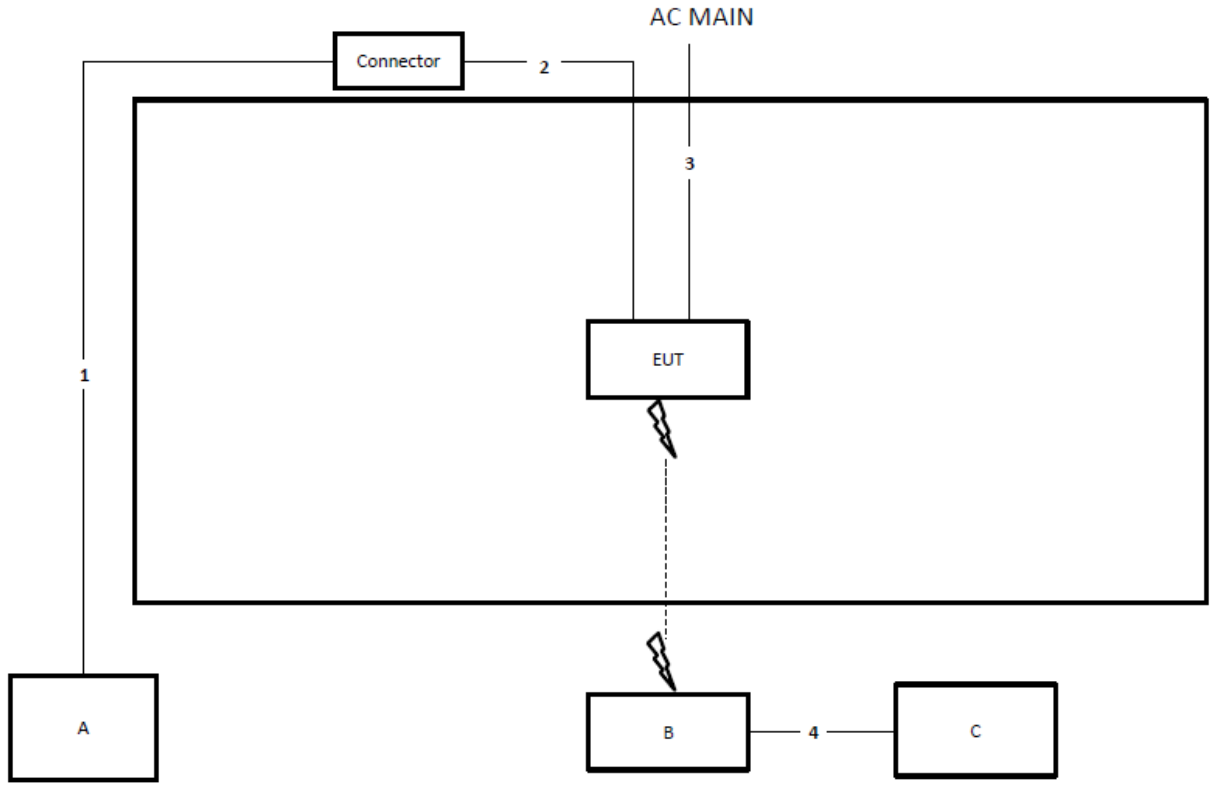
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	2m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1.5m
6	USB cable	Yes	1.8m
7	RJ-45 cable	No	10m

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



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

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



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

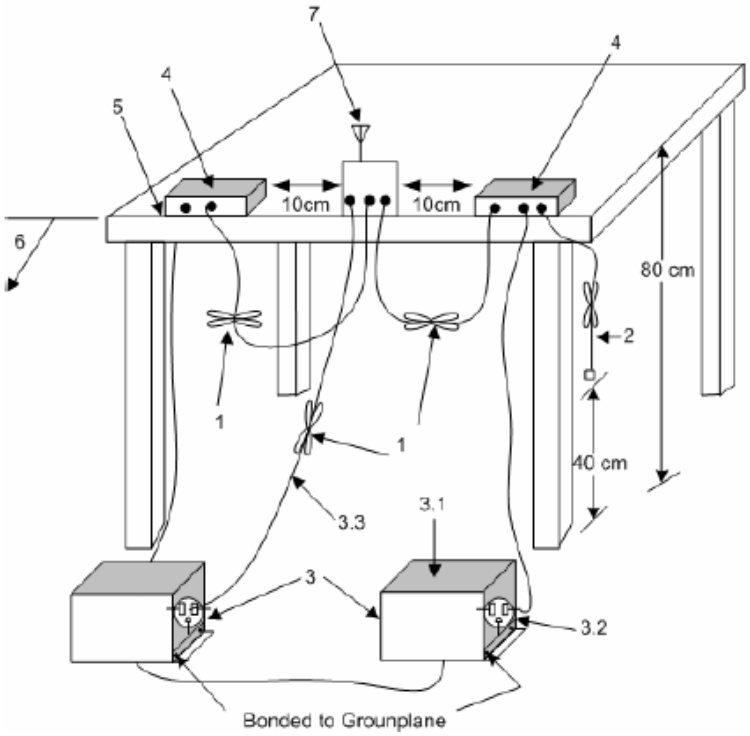
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

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.

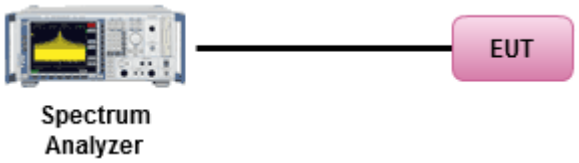
3.2.2 Measuring Instruments

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

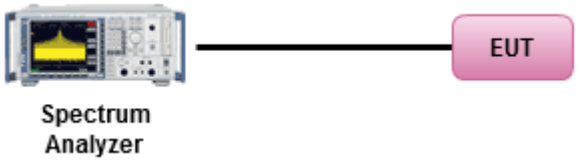
3.4.2 Measuring Instruments

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

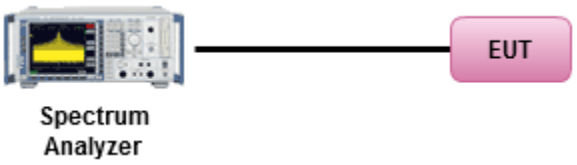
Refer a test equipment and calibration data table in this test report.

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.

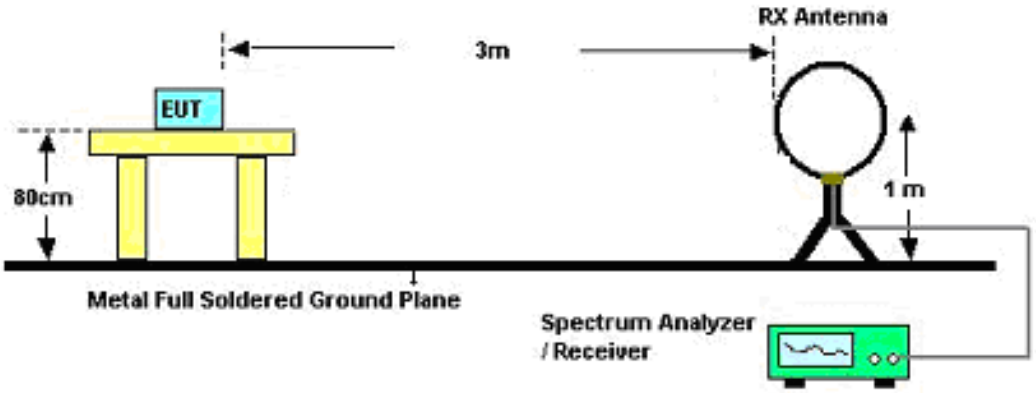
3.6.3 Test Procedures

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.

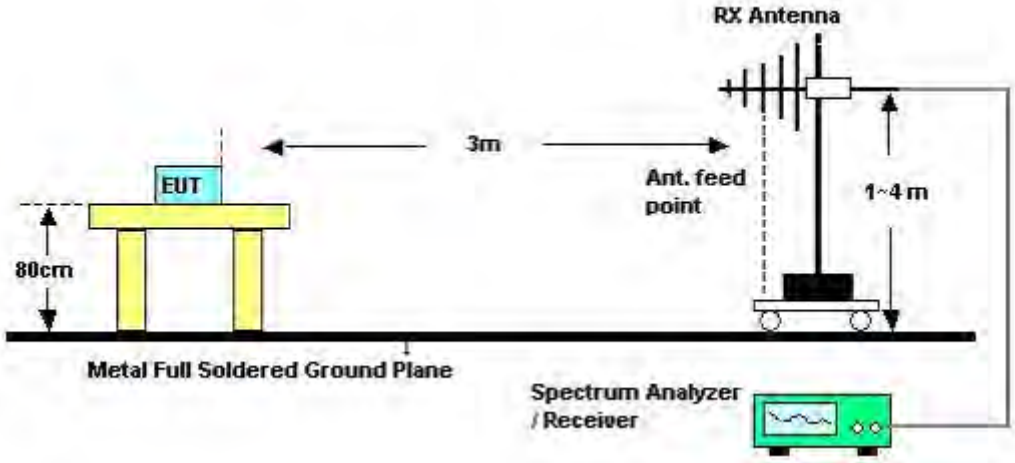
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

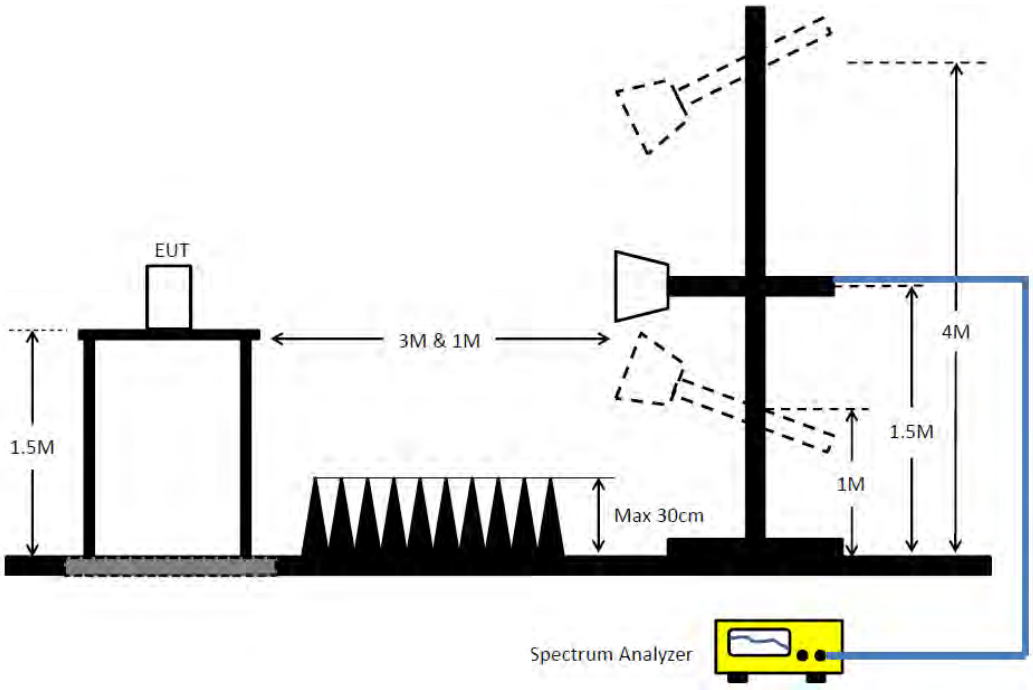
9kHz ~30MHz



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	MY52260140	9kHz ~ 8.4GHz	May 18, 2023	May 17, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 29, 2023	Dec. 28, 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)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz~1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz~2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz~40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 21, 2023	Apr. 20, 2024	Radiation (03CH06-CB)

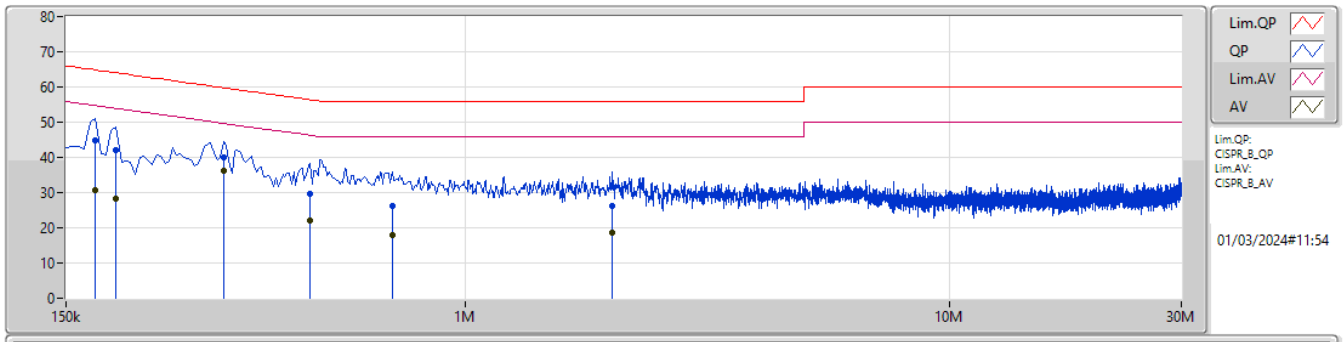
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 22, 2023	Dec. 21, 2024	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz–18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz–18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz–18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 ~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

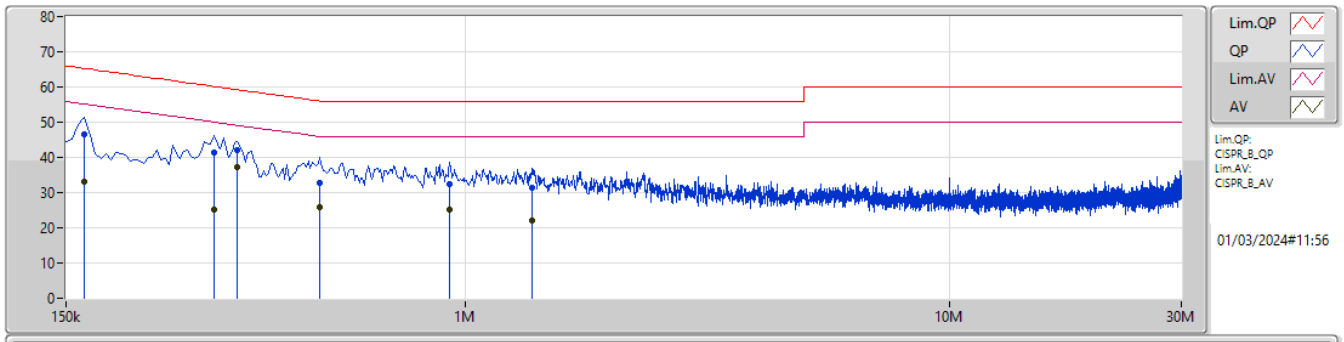
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	AV	339k	37.37	49.23	-11.86	Neutral

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.5k	44.76	64.83	-20.07	9.97	Line	-	34.79	0.09	0.02	9.86
AV	172.5k	30.84	54.83	-23.99	9.97	Line	-	20.87	0.09	0.02	9.86
QP	190.5k	41.98	64.01	-22.03	9.95	Line	-	32.03	0.08	0.02	9.85
AV	190.5k	28.38	54.01	-25.63	9.95	Line	-	18.43	0.08	0.02	9.85
QP	316.5k	40.10	59.80	-19.70	9.99	Line	-	30.11	0.09	0.02	9.88
AV	316.5k	36.15	49.80	-13.65	9.99	Line	"Worst"	26.16	0.09	0.02	9.88
QP	478.5k	29.72	56.36	-26.64	10.00	Line	-	19.72	0.09	0.02	9.89
AV	478.5k	22.19	46.36	-24.17	10.00	Line	-	12.19	0.09	0.02	9.89
QP	708k	26.07	56.00	-29.93	10.01	Line	-	16.06	0.10	0.01	9.90
AV	708k	18.08	46.00	-27.92	10.01	Line	-	8.07	0.10	0.01	9.90
QP	2.009M	26.36	56.00	-29.64	10.10	Line	-	16.26	0.14	0.07	9.89
AV	2.009M	18.58	46.00	-27.42	10.10	Line	-	8.48	0.14	0.07	9.89

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.5k	46.38	65.27	-18.89	9.96	Neutral	-	36.42	0.07	0.02	9.87
AV	163.5k	32.98	55.27	-22.29	9.96	Neutral	-	23.02	0.07	0.02	9.87
QP	303k	41.25	60.17	-18.92	9.97	Neutral	-	31.28	0.07	0.02	9.88
AV	303k	25.17	50.17	-25.00	9.97	Neutral	-	15.20	0.07	0.02	9.88
QP	339k	42.08	59.23	-17.15	9.98	Neutral	-	32.10	0.07	0.02	9.89
AV	339k	37.37	49.23	-11.86	9.98	Neutral	"Worst"	27.39	0.07	0.02	9.89
QP	500k	32.84	56.00	-23.16	9.99	Neutral	-	22.85	0.07	0.02	9.90
AV	500k	25.78	46.00	-20.22	9.99	Neutral	-	15.79	0.07	0.02	9.90
QP	928.5k	32.57	56.00	-23.43	9.99	Neutral	-	22.58	0.08	0.01	9.90
AV	928.5k	25.11	46.00	-20.89	9.99	Neutral	-	15.12	0.08	0.01	9.90
QP	1.37M	31.30	56.00	-24.70	10.03	Neutral	-	21.27	0.09	0.04	9.90
AV	1.37M	22.23	46.00	-23.77	10.03	Neutral	-	12.20	0.09	0.04	9.90

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	7.45M	10.857M	10M9G1D	5.925M	10.421M
802.11g_Nss1,(6Mbps)_2TX	16.575M	17.128M	17M1D1D	16.35M	16.632M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.175M	19.168M	19M2D1D	19.1M	19.068M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	38.1M	37.759M	37M8D1D	35.8M	37.48M

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

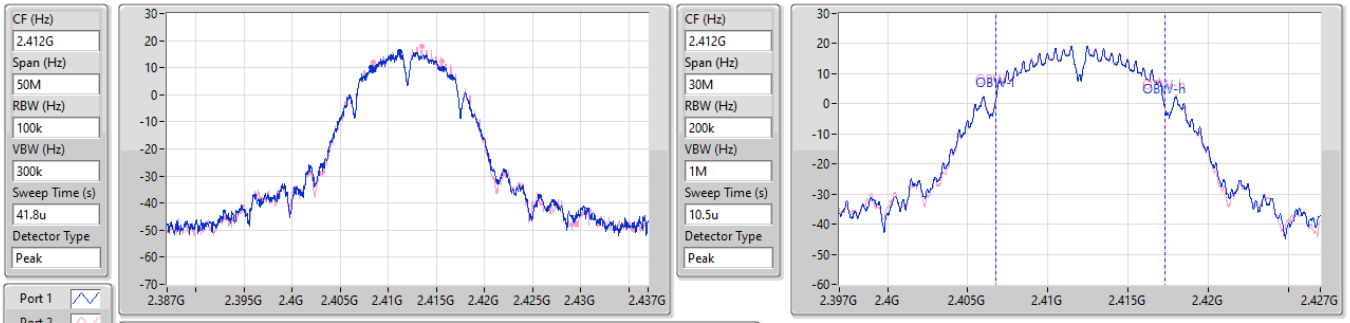
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.45M	10.6M	7.075M	10.537M
2437MHz	Pass	500k	6.375M	10.857M	7.075M	10.683M
2462MHz	Pass	500k	7.075M	10.725M	5.925M	10.421M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.55M	16.902M	16.45M	16.786M
2437MHz	Pass	500k	16.575M	17.128M	16.475M	16.965M
2462MHz	Pass	500k	16.525M	16.632M	16.35M	16.977M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	19.087M	19.1M	19.106M
2437MHz	Pass	500k	19.1M	19.139M	19.175M	19.068M
2462MHz	Pass	500k	19.125M	19.131M	19.125M	19.168M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.8M	37.709M	38.1M	37.572M
2437MHz	Pass	500k	37.85M	37.495M	37.8M	37.48M
2452MHz	Pass	500k	37.65M	37.759M	37.9M	37.537M

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

30/01/2024

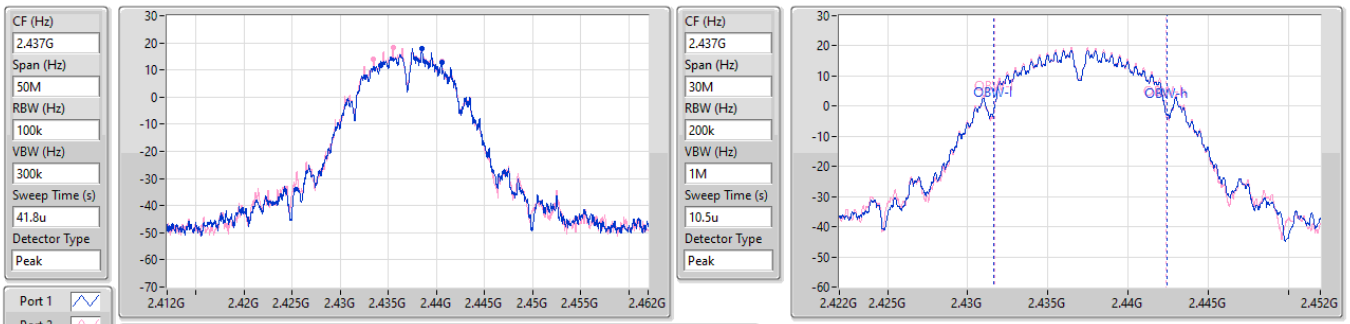


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.45M	2.4082G	2.41565G	10.6M	2.406728G	2.417328G	500k	1
7.075M	2.40845G	2.415525G	10.537M	2.406757G	2.417294G	500k	2

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

2437MHz

30/01/2024

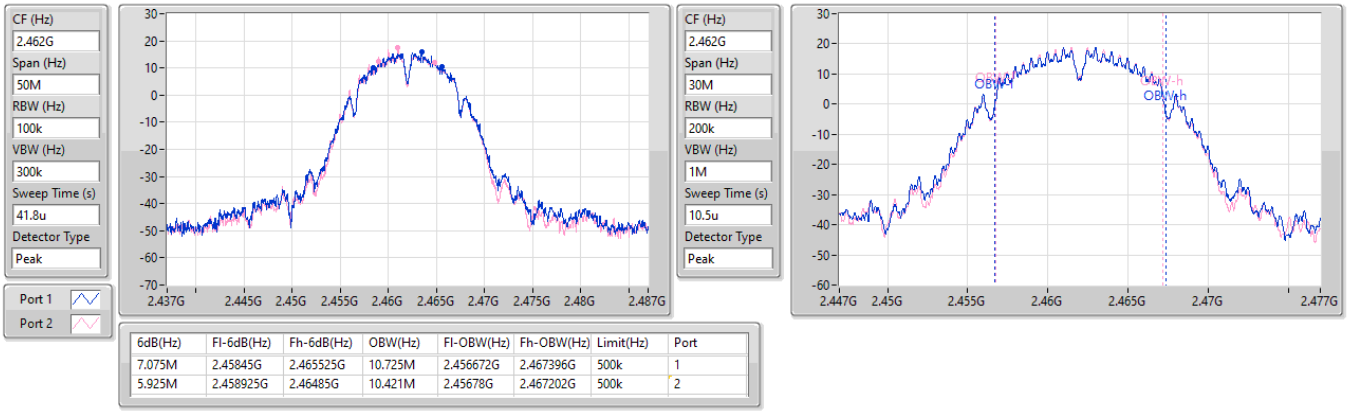


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.375M	2.43415G	2.440525G	10.857M	2.431597G	2.442455G	500k	1
7.075M	2.43345G	2.440525G	10.683M	2.431665G	2.442348G	500k	2

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

2462MHz

30/01/2024

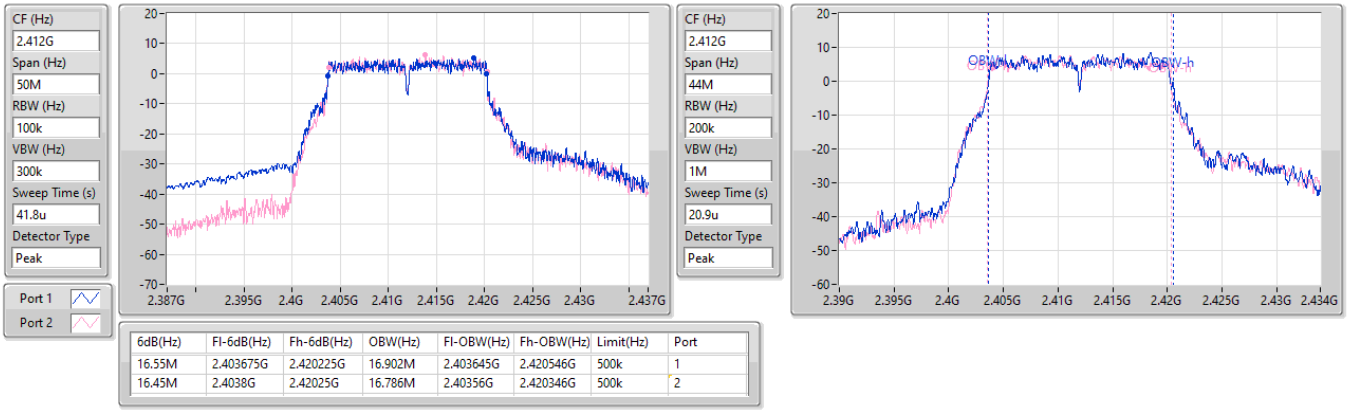


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.45845G	2.465525G	10.725M	2.456672G	2.467396G	500k	1
5.925M	2.458925G	2.46485G	10.421M	2.45678G	2.467202G	500k	2

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

2412MHz

30/01/2024

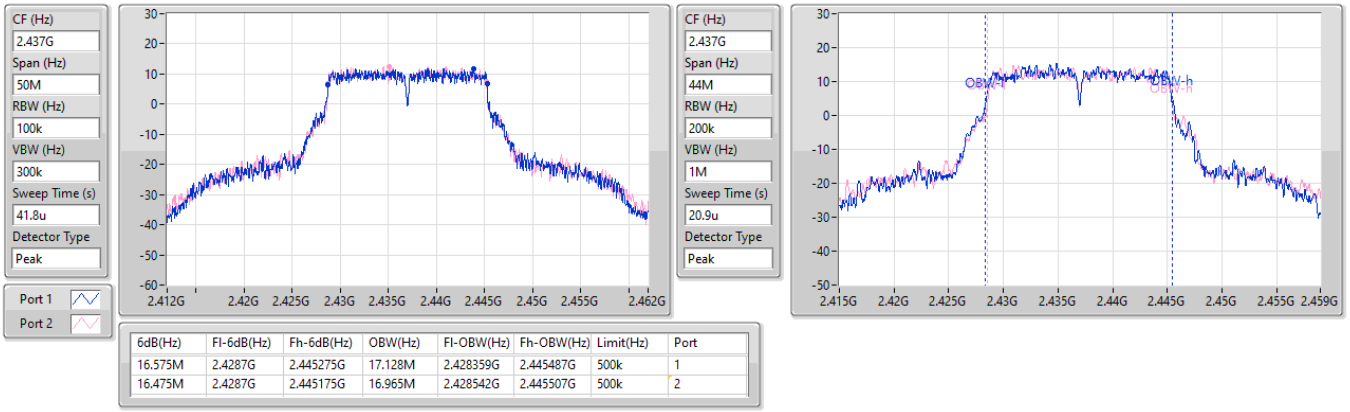


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.403675G	2.420225G	16.902M	2.403645G	2.420546G	500k	1
16.45M	2.4038G	2.42025G	16.786M	2.40356G	2.420346G	500k	2

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

2437MHz

30/01/2024

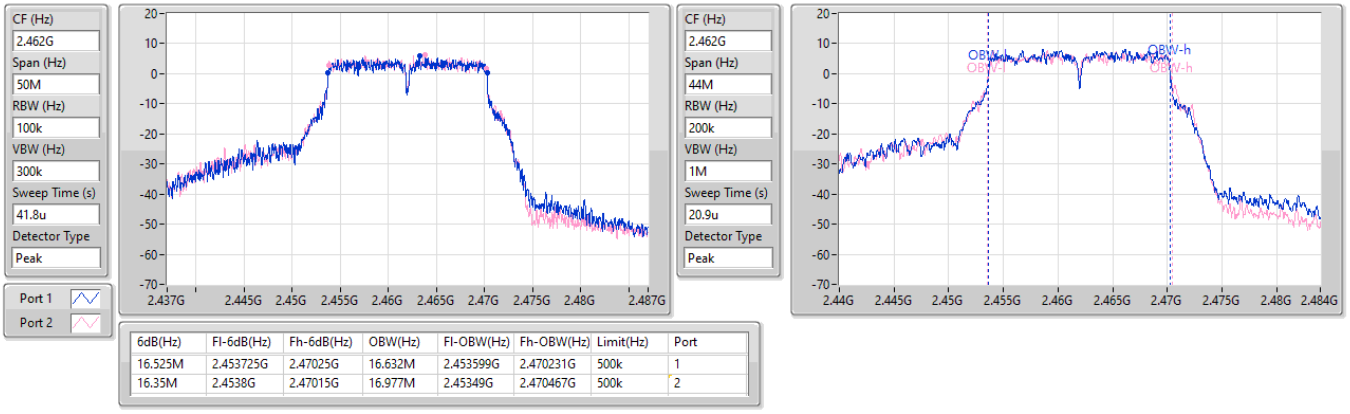


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.575M	2.4287G	2.445275G	17.128M	2.428359G	2.445487G	500k	1
16.475M	2.4287G	2.445175G	16.965M	2.428542G	2.445507G	500k	2

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

2462MHz

30/01/2024

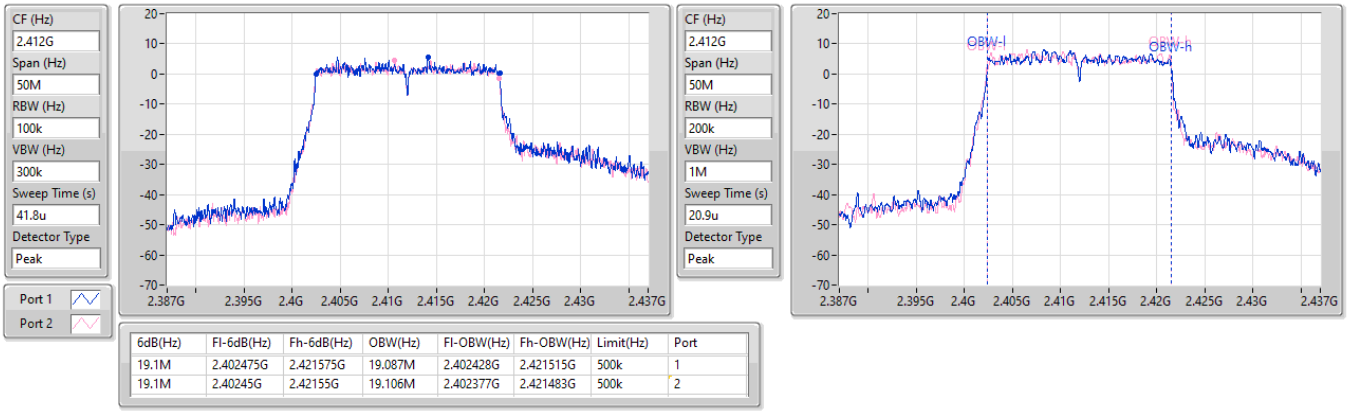


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.453725G	2.47025G	16.632M	2.453599G	2.470231G	500k	1
16.35M	2.4538G	2.47015G	16.977M	2.45349G	2.470467G	500k	2

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

2412MHz

30/01/2024

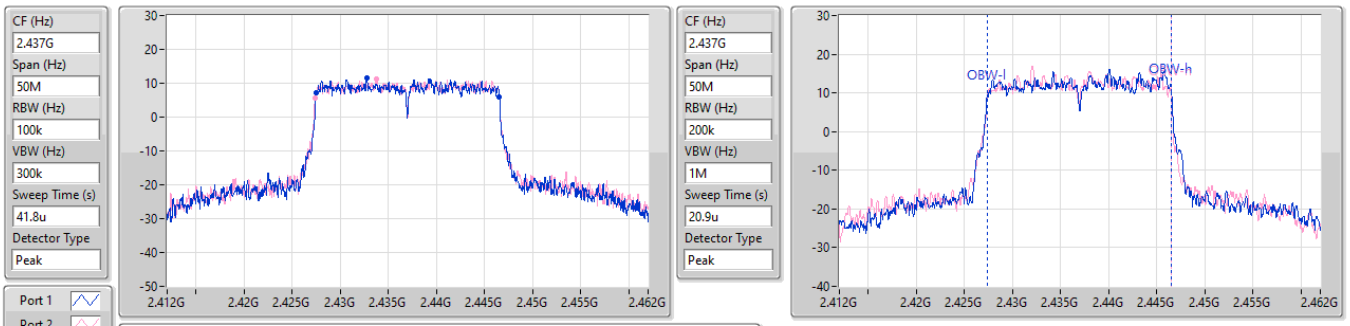


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.1M	2.402475G	2.421575G	19.087M	2.402428G	2.421515G	500k	1
19.1M	2.40245G	2.42155G	19.106M	2.402377G	2.421483G	500k	2

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

2437MHz

30/01/2024

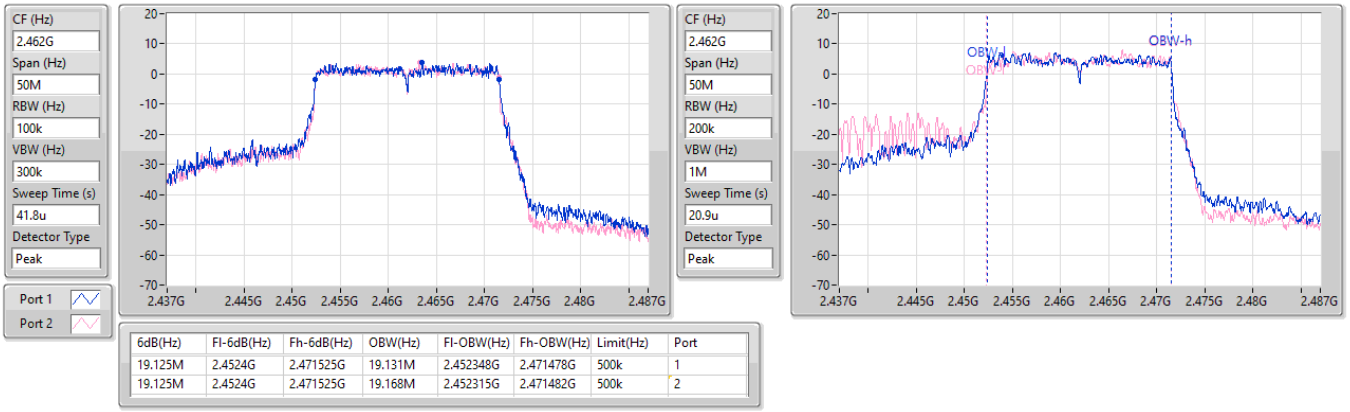


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.1M	2.42745G	2.44655G	19.139M	2.427378G	2.446517G	500k	1
19.175M	2.427375G	2.44655G	19.068M	2.427404G	2.446471G	500k	2

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

2462MHz

30/01/2024

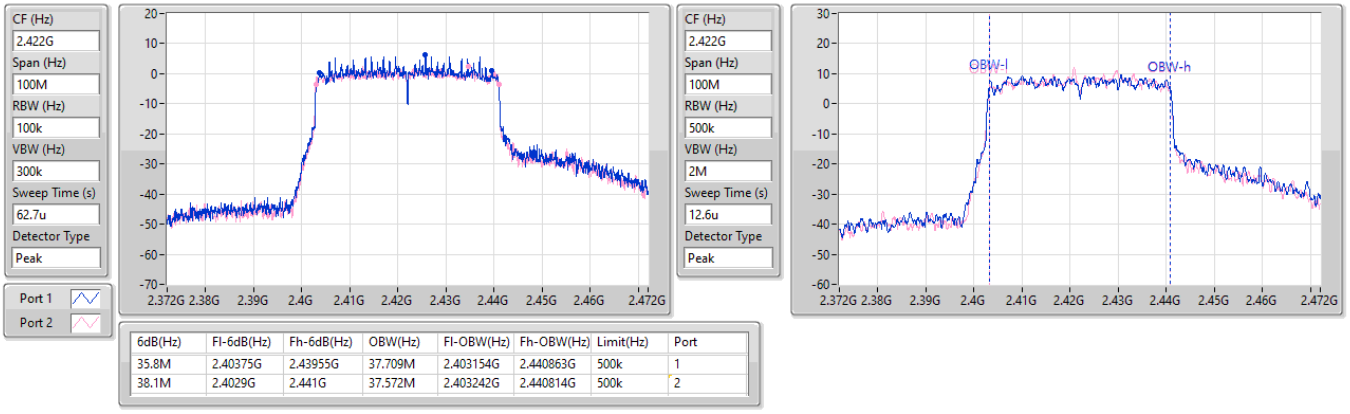


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.125M	2.4524G	2.471525G	19.131M	2.452348G	2.471478G	500k	1
19.125M	2.4524G	2.471525G	19.168M	2.452315G	2.471482G	500k	2

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

2422MHz

30/01/2024

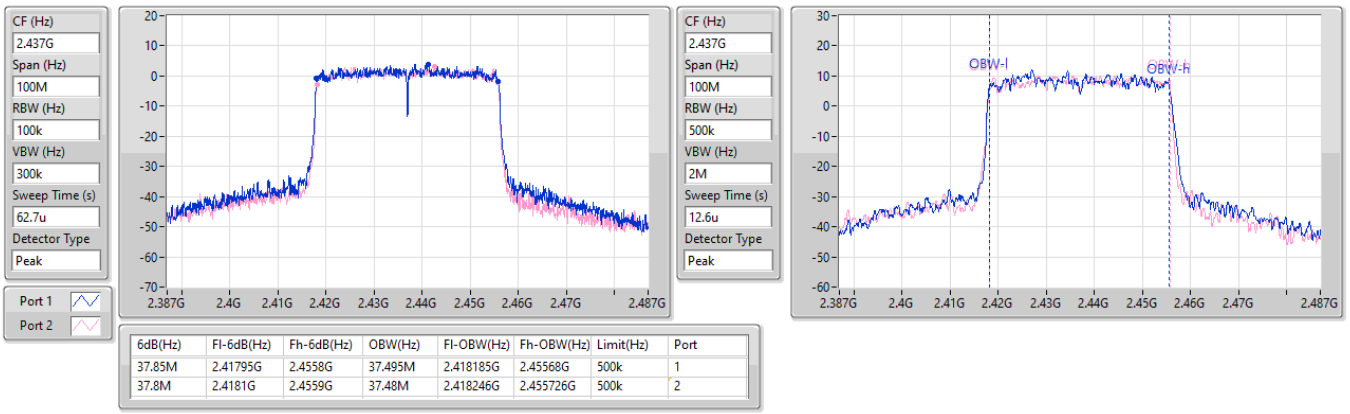


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.8M	2.40375G	2.43955G	37.709M	2.403154G	2.440863G	500k	1
38.1M	2.4029G	2.441G	37.572M	2.403242G	2.440814G	500k	2

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

2437MHz

30/01/2024

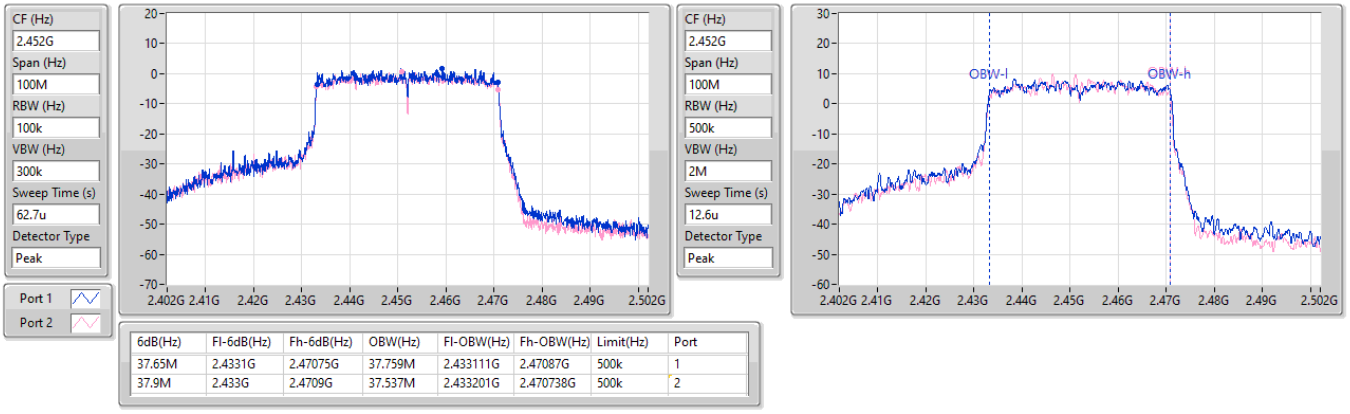


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.85M	2.41795G	2.4558G	37.495M	2.418185G	2.45568G	500k	1
37.8M	2.4181G	2.4559G	37.48M	2.418246G	2.455726G	500k	2

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

2452MHz

30/01/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.65M	2.4331G	2.47075G	37.759M	2.433111G	2.47087G	500k	1
37.9M	2.433G	2.4709G	37.537M	2.433201G	2.470738G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.97	0.99312
802.11g_Nss1,(6Mbps)_2TX	29.84	0.96383
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.81	0.95719
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.32	0.21478

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.26	25.72	25.35	28.55	30.00
2437MHz	Pass	4.26	26.95	26.96	29.97	30.00
2462MHz	Pass	4.26	25.16	25.21	28.20	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.26	18.84	18.85	21.86	30.00
2417MHz	Pass	4.26	21.87	22.20	25.05	30.00
2437MHz	Pass	4.26	26.76	26.89	29.84	30.00
2457MHz	Pass	4.26	24.15	24.37	27.27	30.00
2462MHz	Pass	4.26	19.13	19.21	22.18	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.86	18.64	18.66	21.66	30.00
2417MHz	Pass	4.86	23.73	23.64	26.70	30.00
2437MHz	Pass	4.86	26.73	26.87	29.81	30.00
2457MHz	Pass	4.86	21.79	21.94	24.88	30.00
2462MHz	Pass	4.86	18.20	18.28	21.25	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.86	19.27	19.29	22.29	30.00
2437MHz	Pass	4.86	20.33	20.28	23.32	30.00
2452MHz	Pass	4.86	18.19	17.83	21.02	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	5.73
802.11g_Nss1,(6Mbps)_2TX	2.41
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	1.31
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-7.46

RBW = 3kHz;

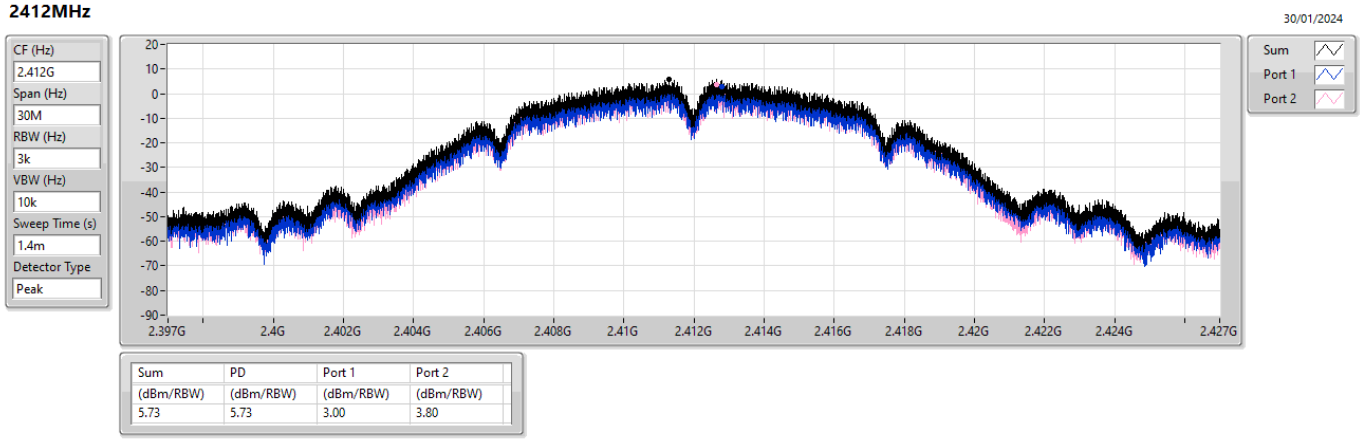
Result

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	4.86	3.00	3.80	5.73	8.00
2437MHz	Pass	4.86	2.77	4.47	5.73	8.00
2462MHz	Pass	4.86	2.40	2.03	4.56	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.86	-6.60	-6.10	-5.05	8.00
2437MHz	Pass	4.86	0.06	0.28	2.41	8.00
2462MHz	Pass	4.86	-6.82	-6.71	-4.06	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.86	-8.02	-8.21	-6.13	8.00
2437MHz	Pass	4.86	-0.90	-1.00	1.31	8.00
2462MHz	Pass	4.86	-8.99	-8.75	-5.95	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.86	-8.62	-10.55	-7.63	8.00
2437MHz	Pass	4.86	-9.12	-9.54	-7.46	8.00
2452MHz	Pass	4.86	-10.94	-11.71	-9.22	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**

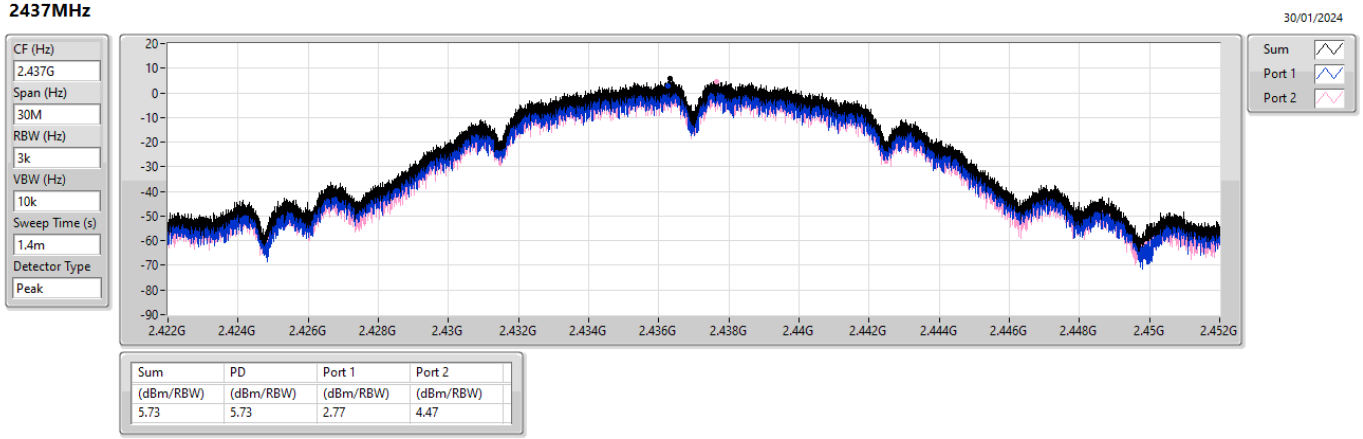
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.73	5.73	3.00	3.80

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

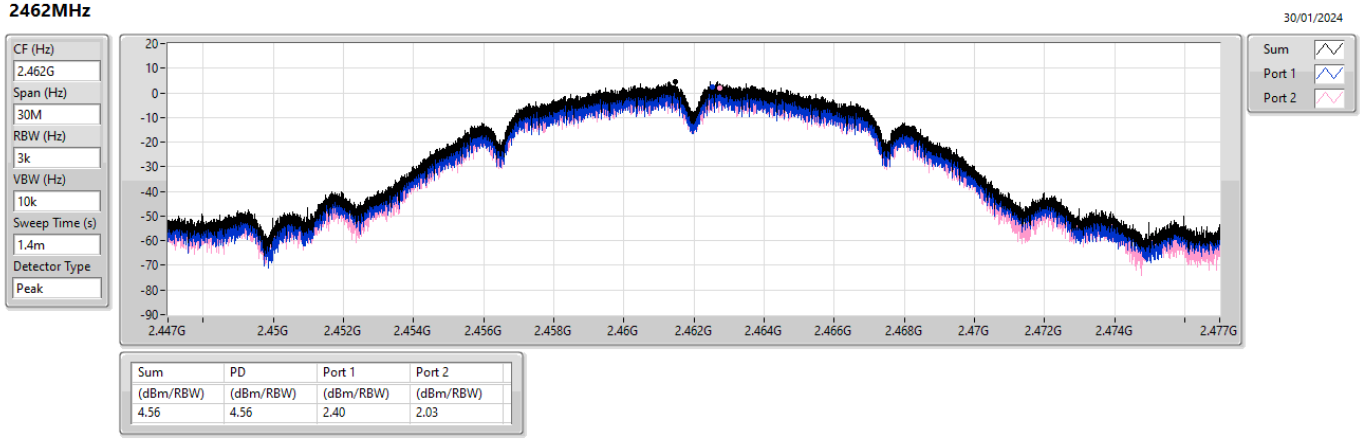
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.73	5.73	2.77	4.47

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

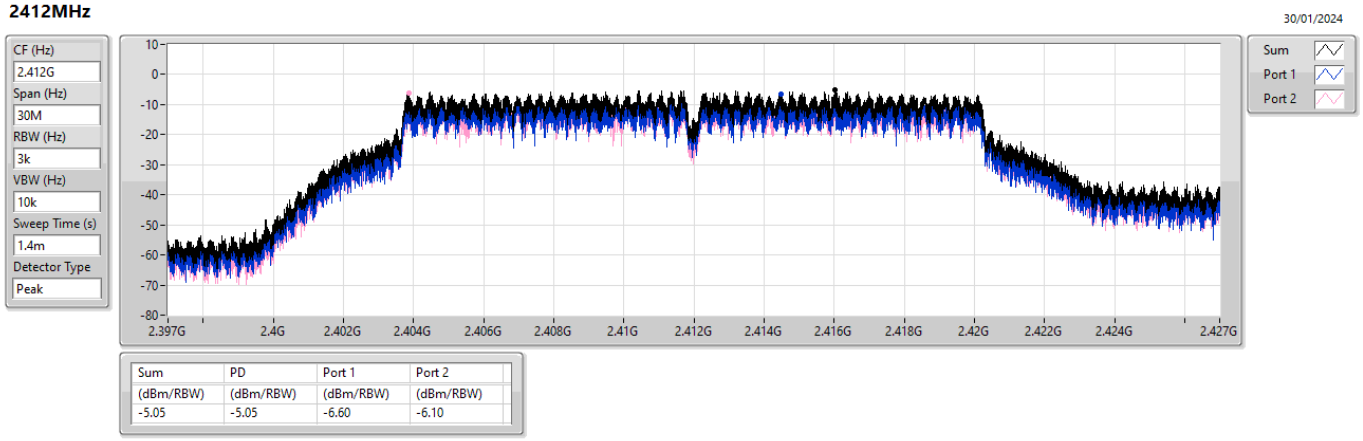
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.56	4.56	2.40	2.03

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

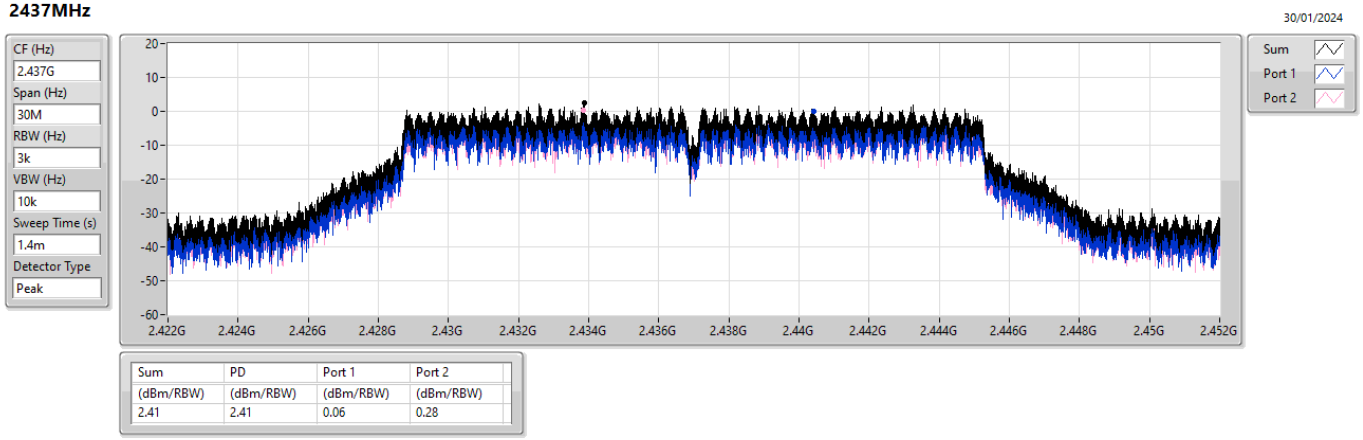
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.05	-5.05	-6.60	-6.10

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

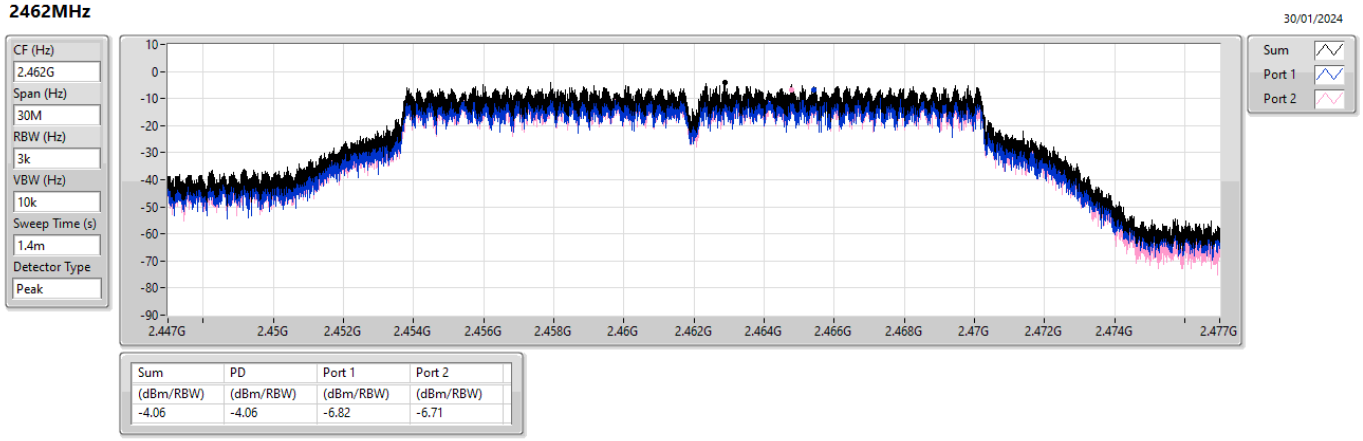
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.41	2.41	0.06	0.28

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

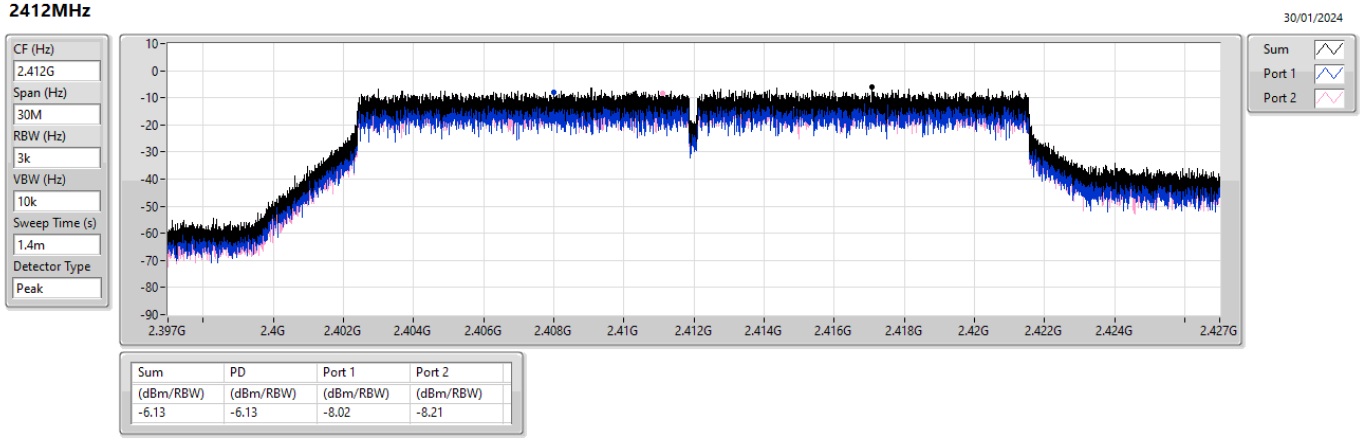
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.06	-4.06	-6.82	-6.71

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

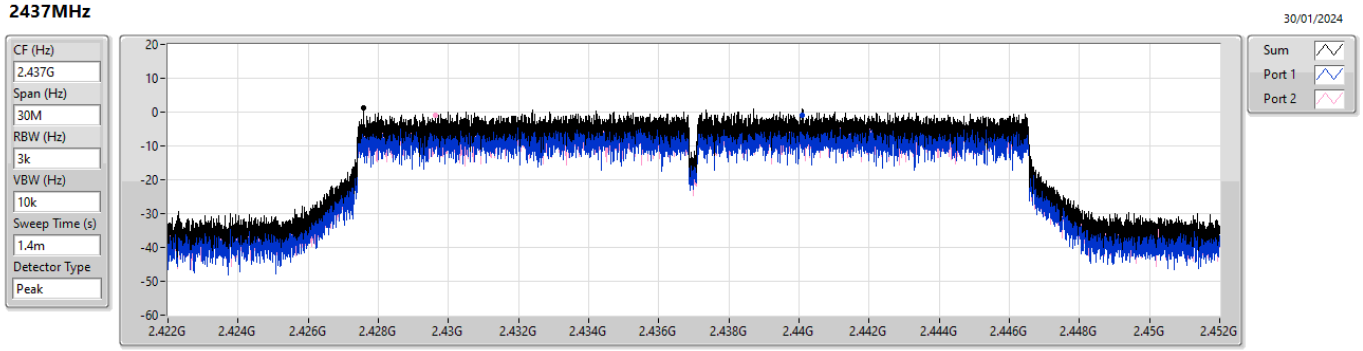
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.13	-6.13	-8.02	-8.21

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

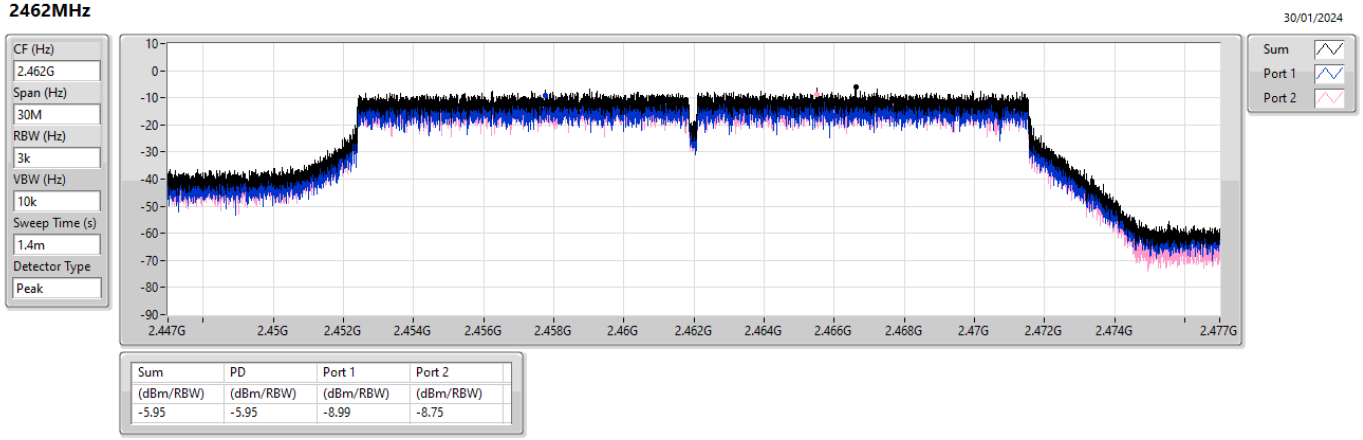
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.31	1.31	-0.90	-1.00

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

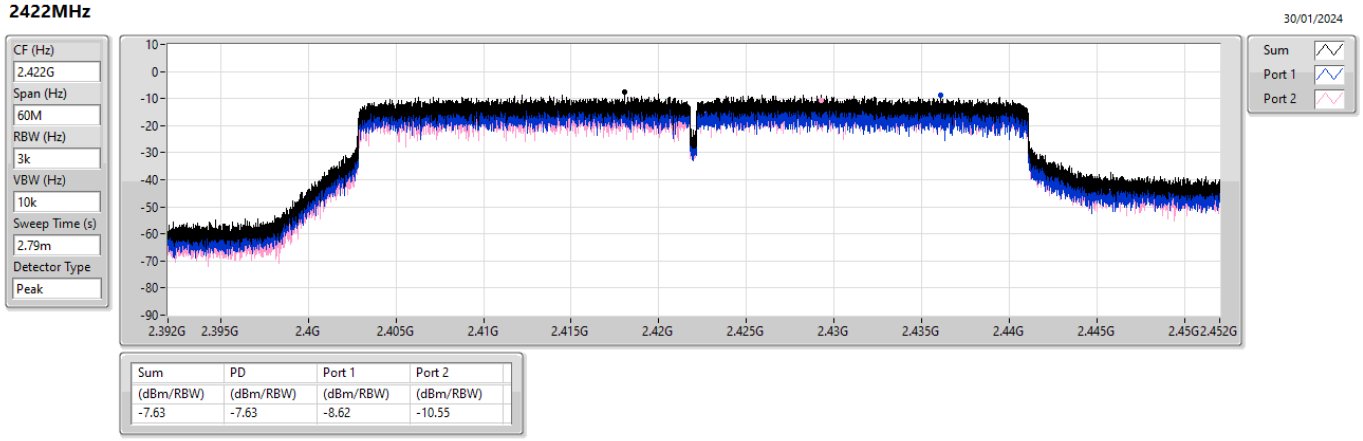
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.95	-5.95	-8.99	-8.75

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

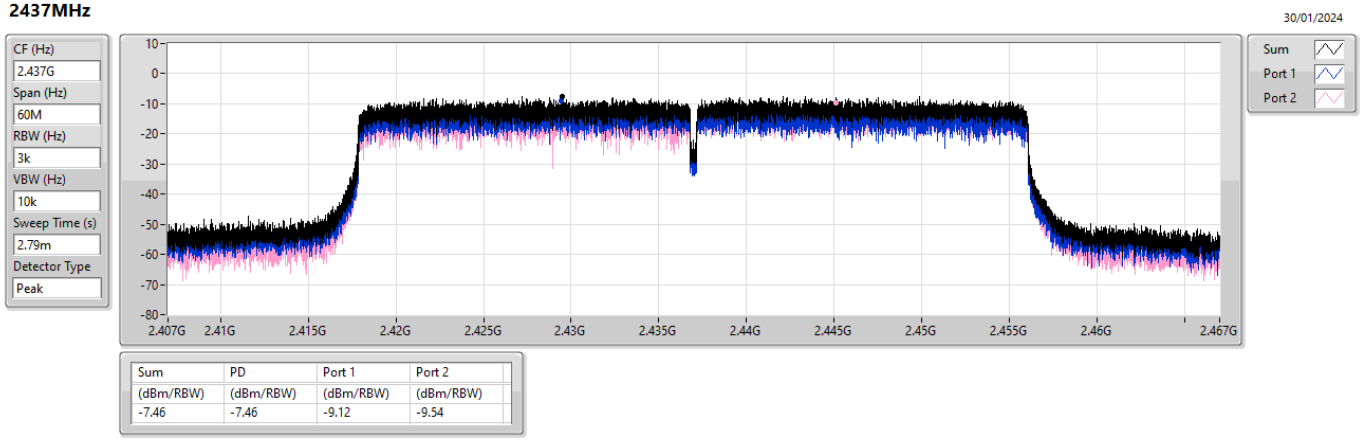
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.63	-7.63	-8.62	-10.55

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

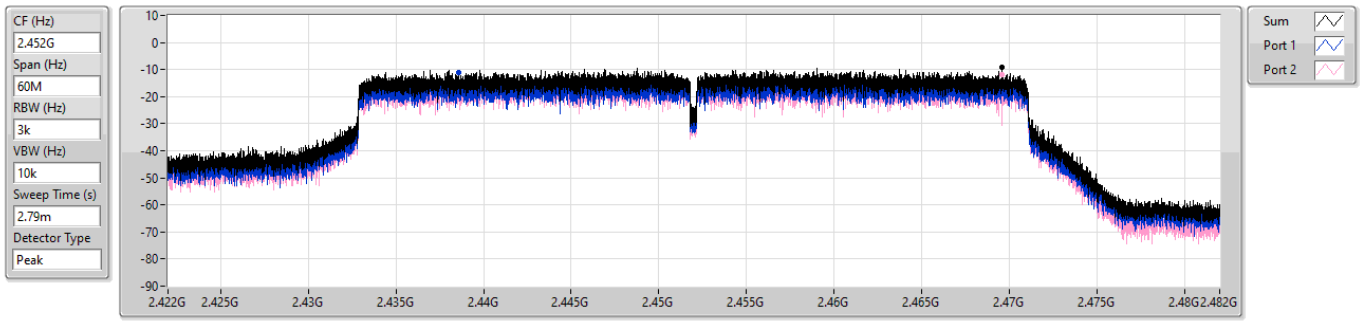
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.46	-7.46	-9.12	-9.54

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)
-9.22	-9.22	-10.94	-11.71

Summary

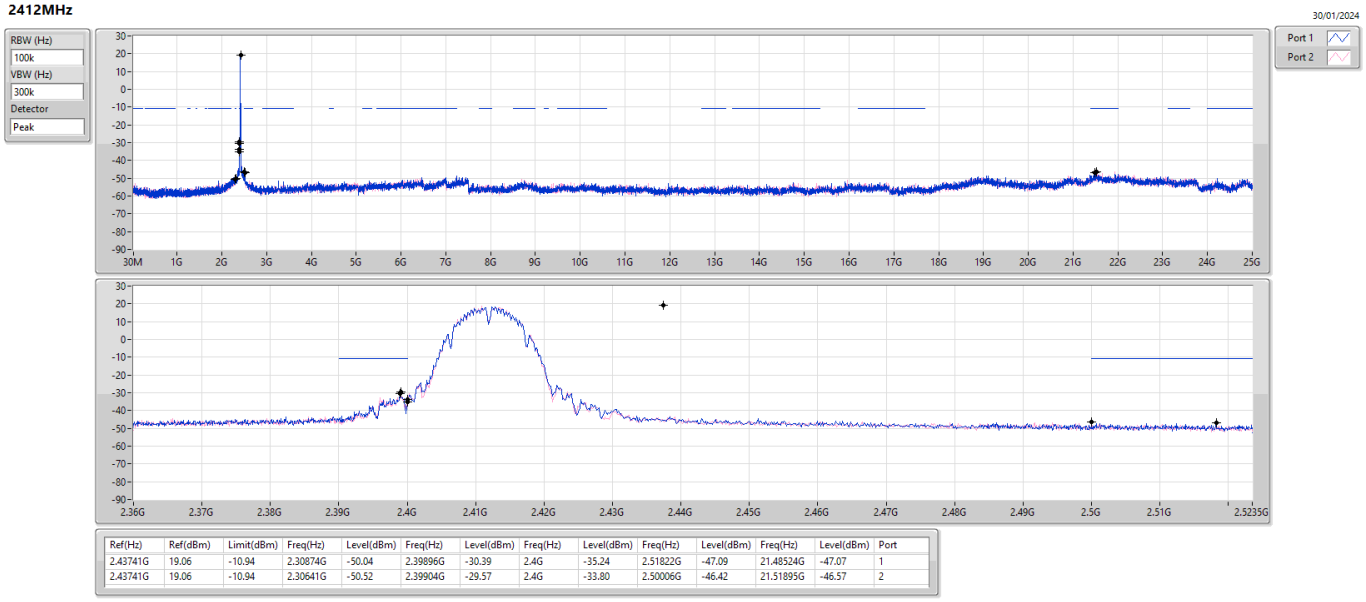
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43741G	19.06	-10.94	2.30641G	-50.52	2.39904G	-29.57	2.4G	-33.80	2.50006G	-46.42	21.51895G	-46.57	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44442G	15.76	-14.24	2.18059G	-52.02	2.39872G	-30.09	2.4G	-33.34	2.50542G	-49.51	21.5611G	-46.55	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.44192G	15.97	-14.03	2.16661G	-52.99	2.39992G	-32.60	2.4G	-31.53	2.50294G	-49.93	21.52457G	-46.06	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.44075G	6.56	-23.44	2.30283G	-51.21	2.39984G	-29.28	2.4G	-28.47	2.50302G	-48.89	21.48027G	-47.07	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	2.43741G	19.06	-10.94	2.30874G	-50.04	2.39896G	-30.39	2.4G	-35.24	2.51822G	-47.09	21.48524G	-47.07	1
2412MHz	Pass	2.43741G	19.06	-10.94	2.30641G	-50.52	2.39904G	-29.57	2.4G	-33.80	2.50006G	-46.42	21.51895G	-46.57	2
2437MHz	Pass	2.43741G	19.06	-10.94	2.19224G	-51.34	2.39952G	-45.33	2.4G	-46.81	2.50838G	-46.32	21.47962G	-47.01	1
2437MHz	Pass	2.43741G	19.06	-10.94	2.30059G	-50.58	2.392G	-44.75	2.4G	-47.62	2.50334G	-45.78	21.64538G	-45.87	2
2462MHz	Pass	2.43741G	19.06	-10.94	2.1538G	-50.84	2.396G	-46.72	2.4G	-47.92	2.50134G	-45.62	21.58919G	-47.49	1
2462MHz	Pass	2.43741G	19.06	-10.94	2.19574G	-50.26	2.39208G	-46.90	2.4G	-48.55	2.5023G	-45.57	21.58638G	-47.22	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44442G	15.76	-14.24	2.30292G	-51.99	2.39992G	-30.11	2.4G	-30.76	2.50366G	-49.13	21.52457G	-47.35	1
2412MHz	Pass	2.44442G	15.76	-14.24	2.18059G	-52.02	2.39872G	-30.09	2.4G	-33.34	2.50542G	-49.51	21.5611G	-46.55	2
2437MHz	Pass	2.44442G	15.76	-14.24	2.19341G	-49.64	2.39952G	-35.41	2.4G	-43.56	2.50118G	-44.57	21.51052G	-47.14	1
2437MHz	Pass	2.44442G	15.76	-14.24	2.30408G	-50.02	2.39952G	-35.68	2.4G	-40.63	2.50046G	-43.15	21.46276G	-46.67	2
2462MHz	Pass	2.44442G	15.76	-14.24	2.18059G	-53.06	2.3984G	-48.40	2.4G	-52.11	2.5015G	-43.19	21.52738G	-47.37	1
2462MHz	Pass	2.44442G	15.76	-14.24	2.14681G	-52.47	2.39544G	-49.10	2.4G	-52.18	2.50174G	-42.20	21.54986G	-47.22	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	15.97	-14.03	2.16661G	-52.99	2.39992G	-32.60	2.4G	-31.53	2.50294G	-49.93	21.52457G	-46.06	1
2412MHz	Pass	2.44192G	15.97	-14.03	2.12584G	-51.92	2.4G	-35.76	2.4G	-32.62	2.51766G	-48.79	21.50209G	-47.92	2
2437MHz	Pass	2.44192G	15.97	-14.03	2.30059G	-49.91	2.39888G	-39.00	2.4G	-39.06	2.50094G	-45.23	21.53581G	-46.84	1
2437MHz	Pass	2.44192G	15.97	-14.03	2.30525G	-50.44	2.39856G	-35.98	2.4G	-38.20	2.50014G	-44.65	21.58076G	-46.40	2
2462MHz	Pass	2.44192G	15.97	-14.03	1.96041G	-53.58	2.39192G	-49.86	2.4G	-52.65	2.50414G	-47.66	21.52176G	-47.51	1
2462MHz	Pass	2.44192G	15.97	-14.03	2.06293G	-53.59	2.3936G	-50.01	2.4G	-51.94	2.50182G	-48.20	21.61167G	-46.65	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	6.56	-23.44	2.30283G	-51.21	2.39984G	-29.28	2.4G	-28.47	2.50302G	-48.89	21.48027G	-47.07	1
2422MHz	Pass	2.44075G	6.56	-23.44	2.30054G	-51.26	2.4G	-31.23	2.4G	-30.04	2.5035G	-49.63	21.60648G	-46.29	2
2437MHz	Pass	2.44075G	6.56	-23.44	2.19176G	-52.16	2.39936G	-35.32	2.4G	-38.51	2.50014G	-46.97	21.52795G	-47.31	1
2437MHz	Pass	2.44075G	6.56	-23.44	2.30054G	-52.05	2.39712G	-38.83	2.4G	-38.96	2.50174G	-47.31	21.55319G	-46.39	2
2452MHz	Pass	2.44075G	6.56	-23.44	2.19176G	-52.33	2.39952G	-34.92	2.4G	-37.44	2.50014G	-46.84	21.46906G	-47.52	1
2452MHz	Pass	2.44075G	6.56	-23.44	31.15M	-53.22	2.39936G	-39.23	2.4G	-39.05	2.50942G	-47.89	21.57282G	-47.34	2

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

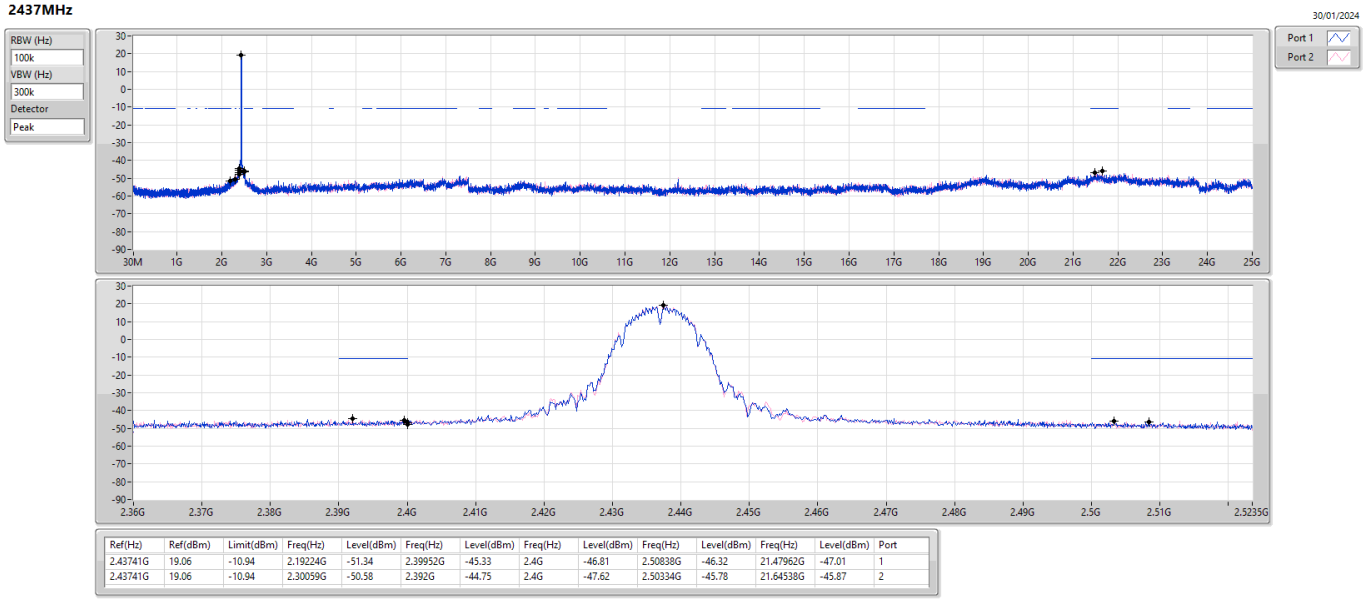
2412MHz



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
2.43741G	19.06	-10.94	2.30874G	-50.04	2.39896G	-30.39	2.4G	-35.24	2.51822G	-47.09	21.48524G	-47.07	1
2.43741G	19.06	-10.94	2.30641G	-50.52	2.39904G	-29.57	2.4G	-33.80	2.50006G	-46.42	21.51895G	-46.57	2

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

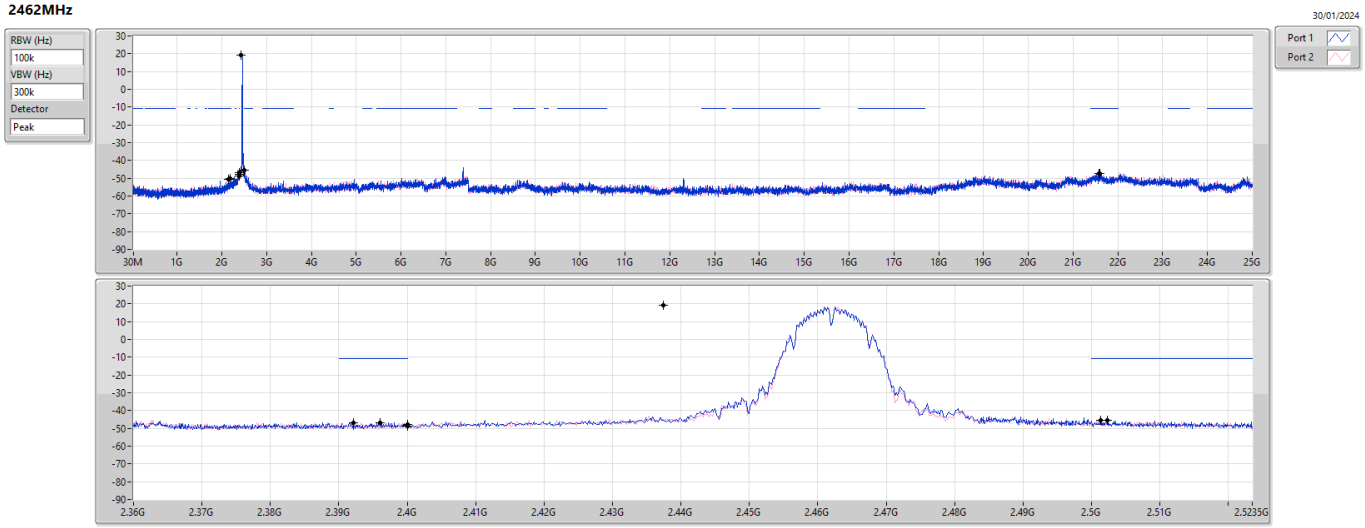
2437MHz



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
2.43741G	19.06	-10.94	2.19224G	-51.34	2.39952G	-45.33	2.4G	-46.81	2.50838G	-46.32	21.47962G	-47.01	1
2.43741G	19.06	-10.94	2.30059G	-50.58	2.392G	-44.75	2.4G	-47.62	2.50334G	-45.78	21.64538G	-45.87	2

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

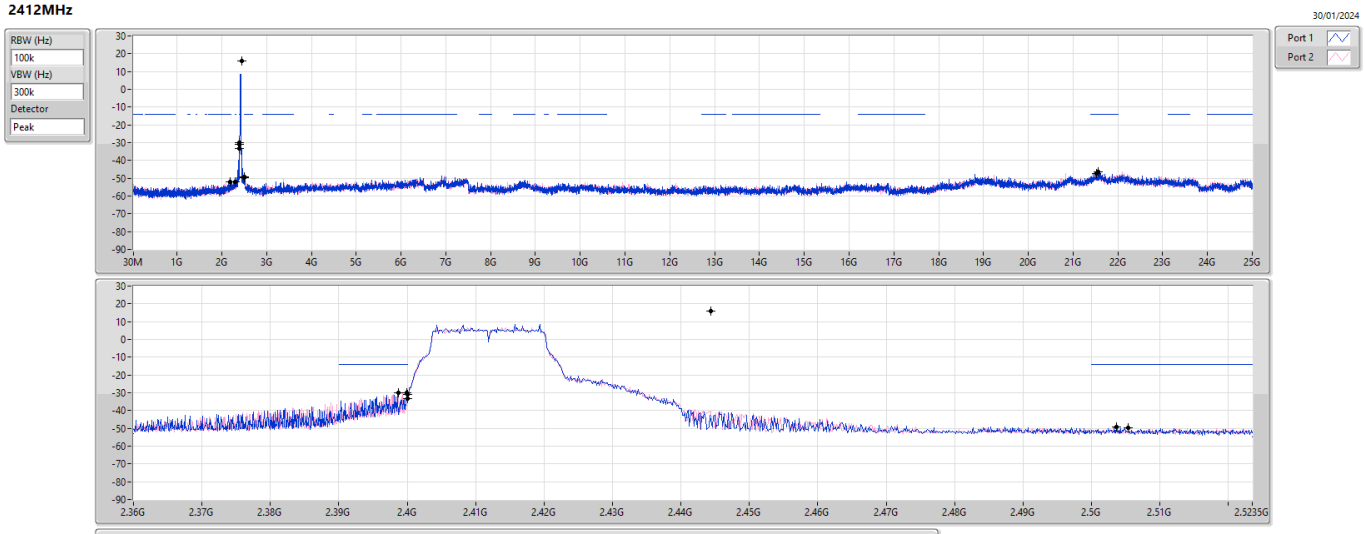
2462MHz



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
2.43741G	19.06	-10.94	2.1538G	-50.84	2.396G	-46.72	2.4G	-47.92	2.50134G	-45.62	21.58919G	-47.49	1
2.43741G	19.06	-10.94	2.19574G	-50.26	2.39208G	-46.90	2.4G	-48.55	2.5023G	-45.57	21.58638G	-47.22	2

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

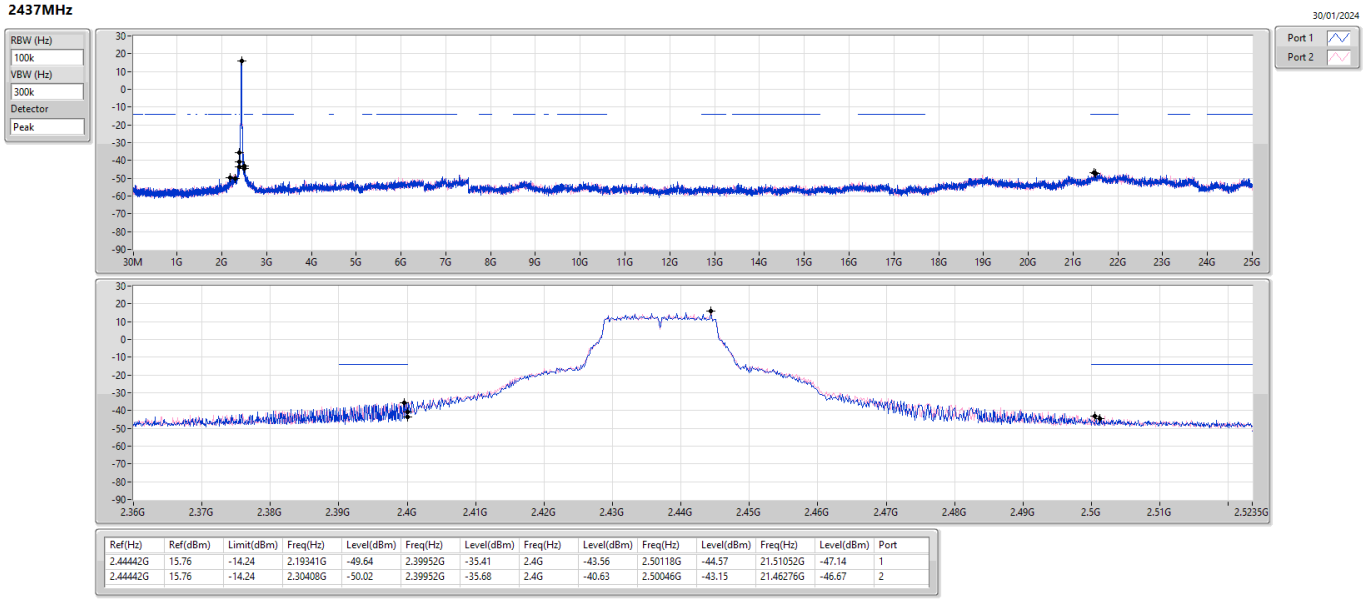
2412MHz



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
2.44442G	15.76	-14.24	2.30292G	-51.99	2.39992G	-30.11	2.4G	-30.76	2.50366G	-49.13	21.52457G	-47.35	1
2.44442G	15.76	-14.24	2.18059G	-52.02	2.39872G	-30.09	2.4G	-33.34	2.50542G	-49.51	21.5611G	-46.55	2

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

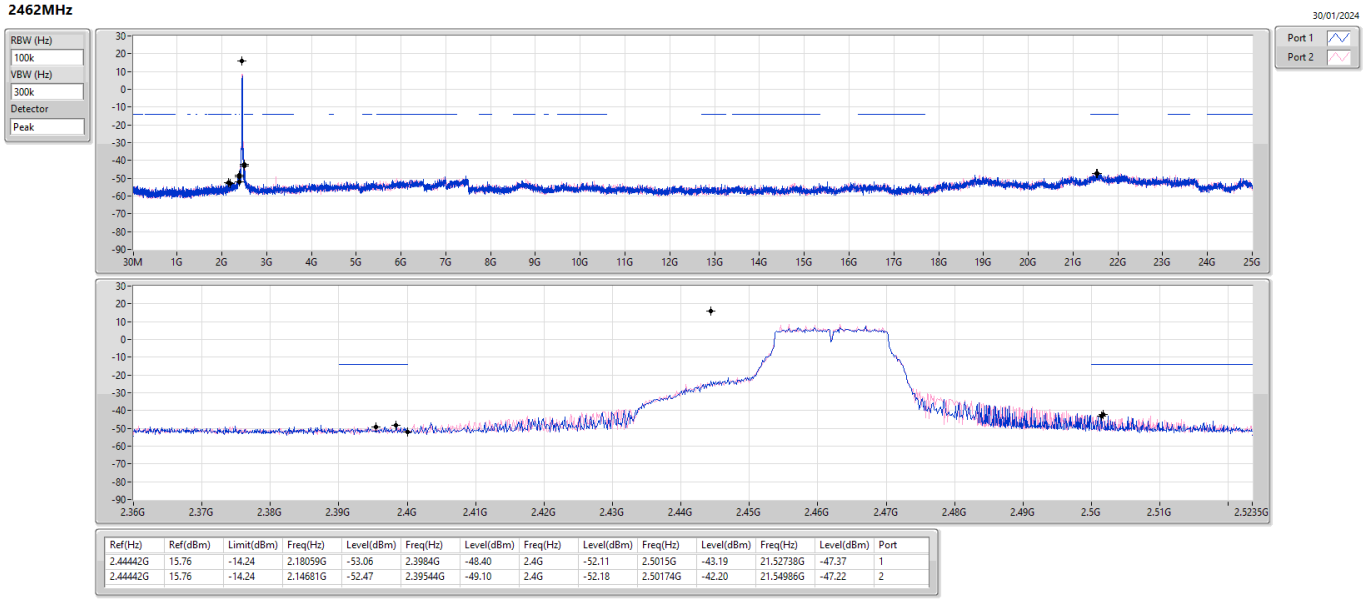
2437MHz



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
2.44442G	15.76	-14.24	2.19341G	-49.64	2.39952G	-35.41	2.4G	-43.56	2.50118G	-44.57	21.51052G	-47.14	1
2.44442G	15.76	-14.24	2.30408G	-50.02	2.39952G	-35.68	2.4G	-40.63	2.50046G	-43.15	21.46276G	-46.67	2

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

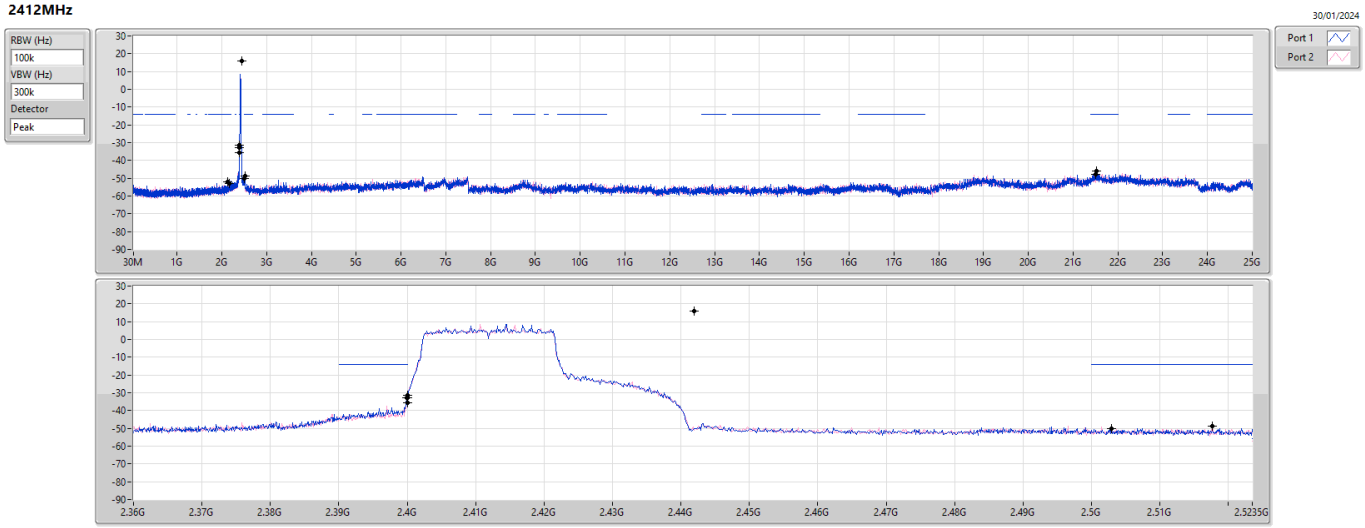
2462MHz



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
2.44442G	15.76	-14.24	2.18059G	-53.06	2.3984G	-48.40	2.4G	-52.11	2.5015G	-43.19	21.52738G	-47.37	1
2.44442G	15.76	-14.24	2.14681G	-52.47	2.39544G	-49.10	2.4G	-52.18	2.50174G	-42.20	21.54986G	-47.22	2

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

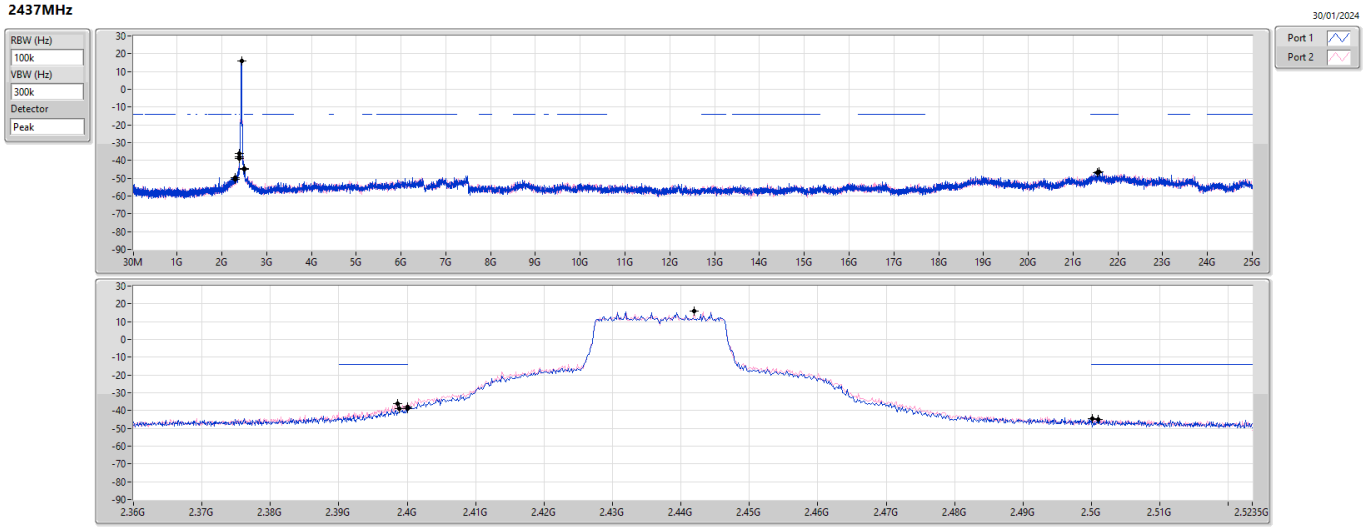
2412MHz



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	15.97	-14.03	2.16661G	-52.99	2.39992G	-32.60	2.4G	-31.53	2.50294G	-49.93	21.52457G	-46.06	1
2.44192G	15.97	-14.03	2.12584G	-51.92	2.4G	-35.76	2.4G	-32.62	2.51766G	-48.79	21.50209G	-47.92	2

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

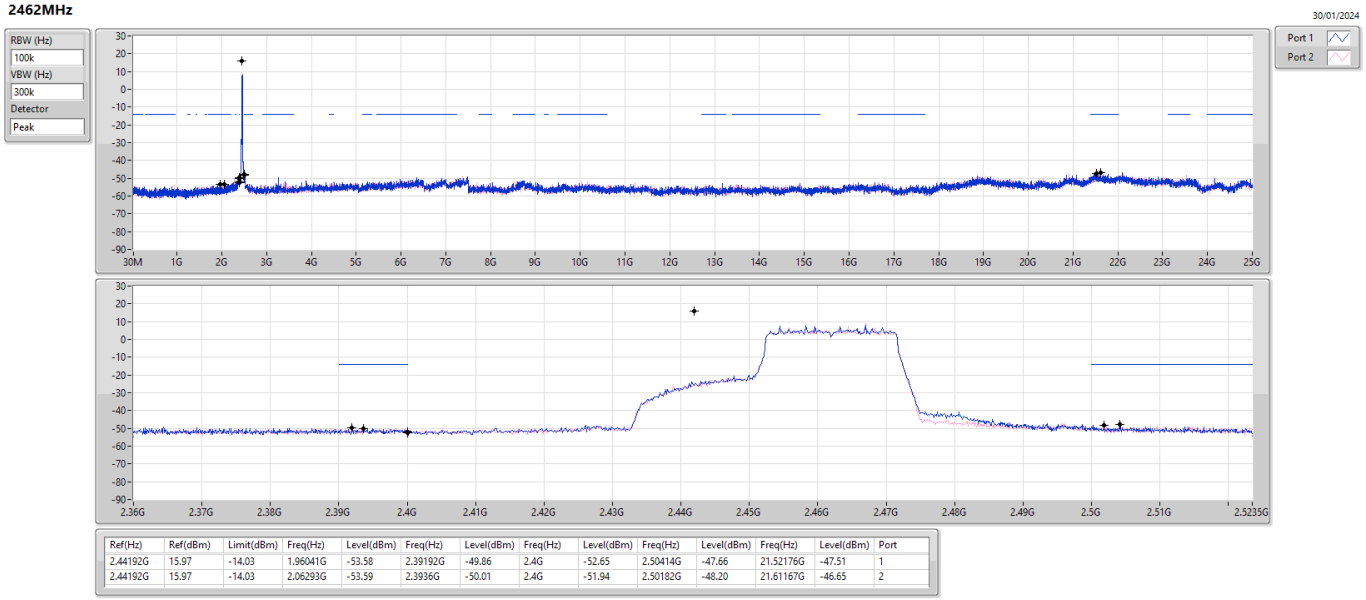
2437MHz



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	15.97	-14.03	2.30059G	-49.91	2.39888G	-39.00	2.4G	-39.06	2.50094G	-45.23	21.53581G	-46.84	1
2.44192G	15.97	-14.03	2.30525G	-50.44	2.39856G	-35.98	2.4G	-38.20	2.50014G	-44.65	21.58076G	-46.40	2

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

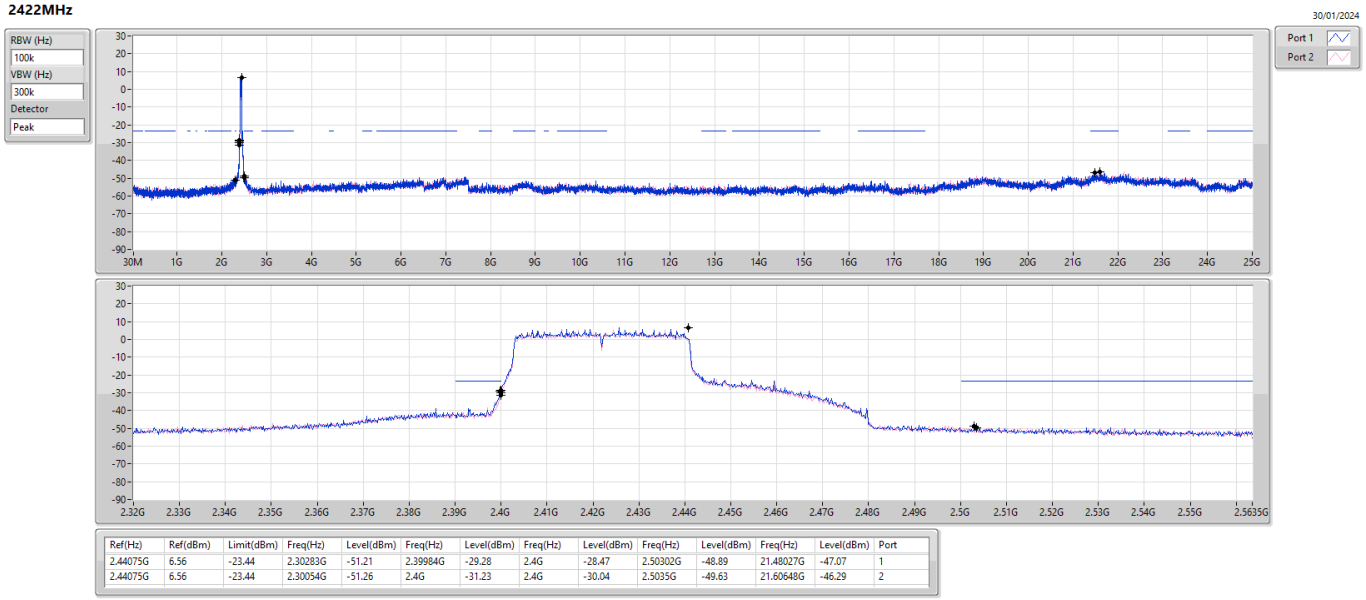
2462MHz



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	15.97	-14.03	1.96041G	-53.58	2.39192G	-49.86	2.4G	-52.65	2.50414G	-47.66	21.52176G	-47.51	1
2.44192G	15.97	-14.03	2.06293G	-53.59	2.3936G	-50.01	2.4G	-51.94	2.50182G	-48.20	21.61167G	-46.65	2

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

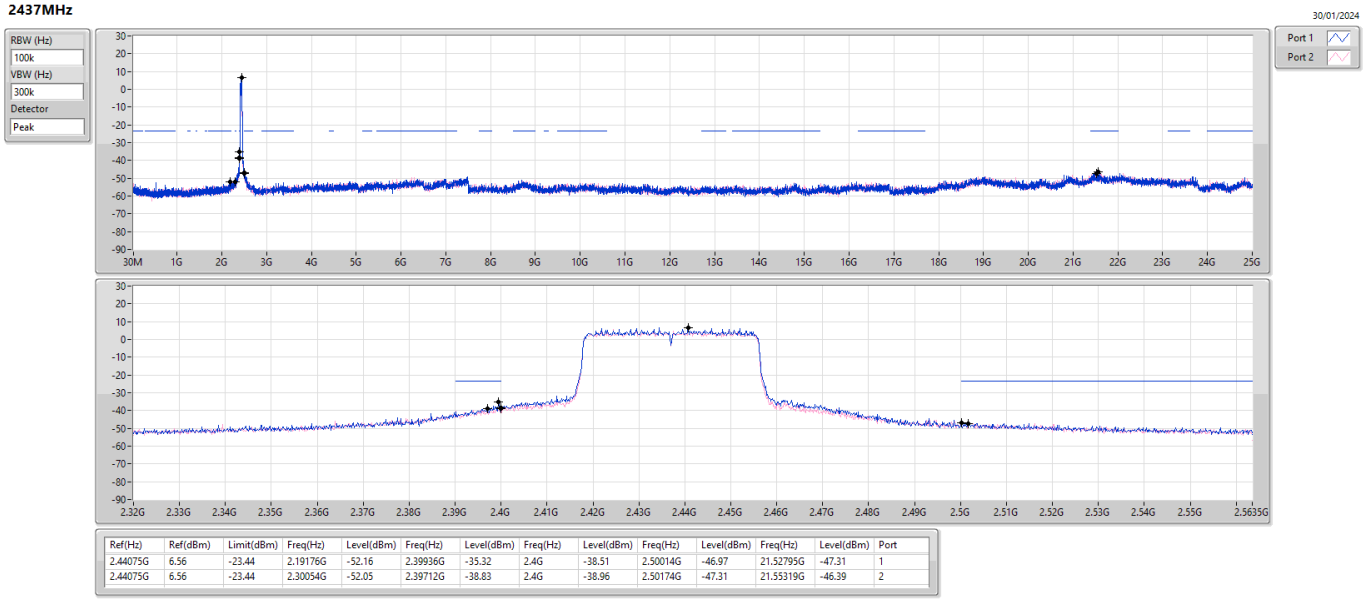
2422MHz



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
2.44075G	6.56	-23.44	2.30283G	-51.21	2.39984G	-29.28	2.4G	-28.47	2.50302G	-48.89	21.48027G	-47.07	1
2.44075G	6.56	-23.44	2.30054G	-51.26	2.4G	-31.23	2.4G	-30.04	2.5035G	-49.63	21.60648G	-46.29	2

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

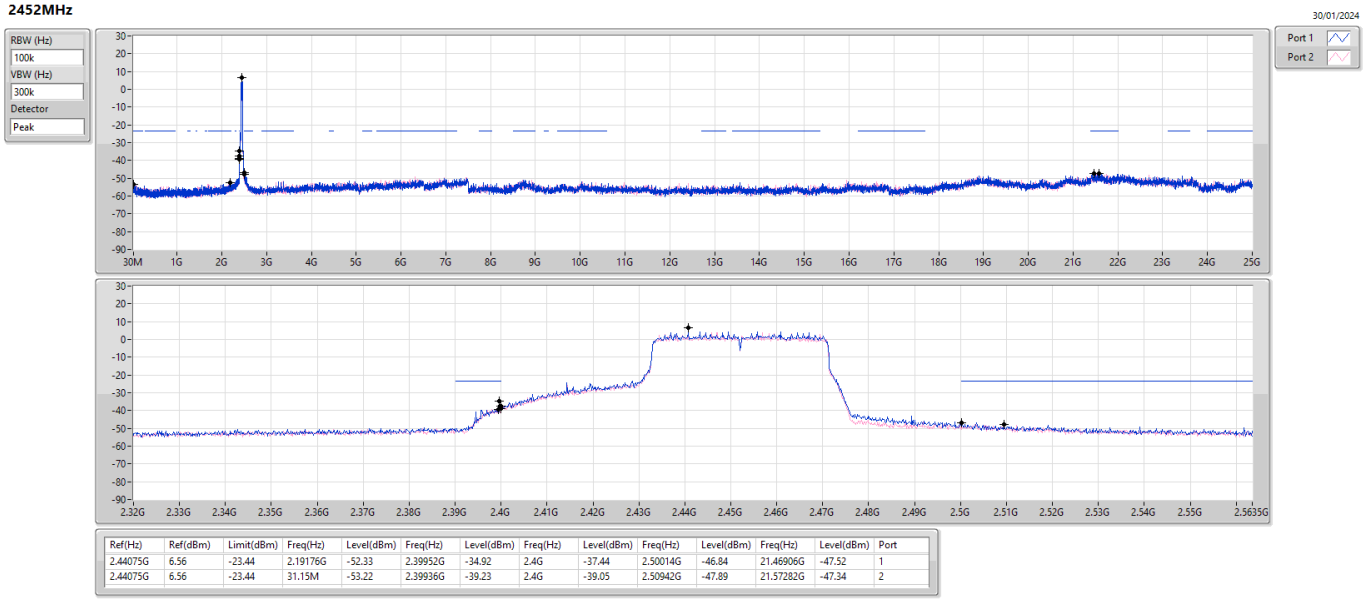
2437MHz



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
2.44075G	6.56	-23.44	2.19176G	-52.16	2.39936G	-35.32	2.4G	-38.51	2.50014G	-46.97	21.52795G	-47.31	1
2.44075G	6.56	-23.44	2.30054G	-52.05	2.39712G	-38.83	2.4G	-38.96	2.50174G	-47.31	21.55319G	-46.39	2

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

2452MHz

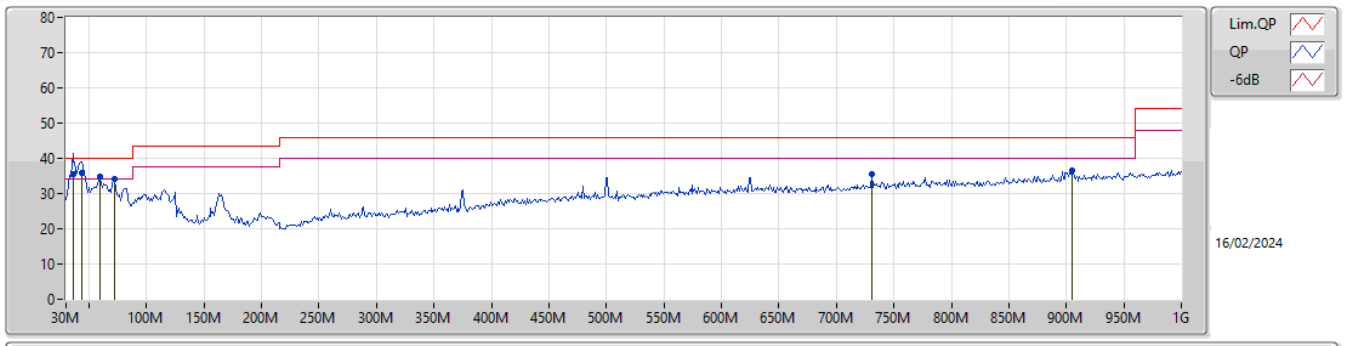


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	6.56	-23.44	2.19176G	-52.33	2.39952G	-34.92	2.4G	-37.44	2.50014G	-46.84	21.46906G	-47.52	1
2.44075G	6.56	-23.44	31.15M	-53.22	2.39936G	-39.23	2.4G	-39.05	2.50942G	-47.89	21.57282G	-47.34	2

Summary

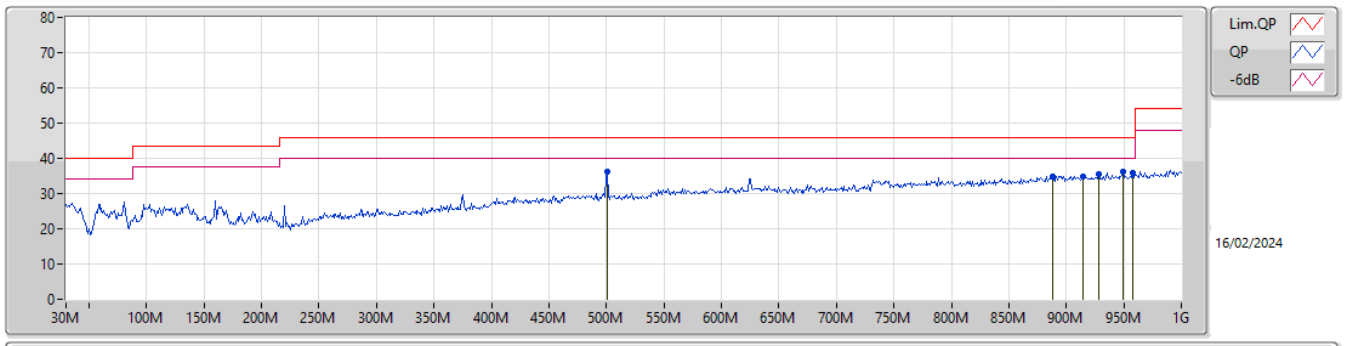
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	QP	43.58M	35.90	40.00	-4.10	Vertical

Mode 4



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
QP	35.82M	35.55	40.00	-4.45	-9.55	3	Vertical	261	1.00	-	45.10	21.04	1.10	31.69
QP	43.58M	35.90	40.00	-4.10	-13.70	3	Vertical	353	1.00	"Worst"	49.60	16.89	1.21	31.80
PK	59.1M	34.66	40.00	-5.34	-18.25	3	Vertical	0	1.00	-	52.91	12.27	1.38	31.90
PK	72.68M	34.13	40.00	-5.87	-18.07	3	Vertical	64	1.25	-	52.20	12.34	1.51	31.92
PK	731.31M	35.42	46.00	-10.58	-2.37	3	Vertical	0	1.00	-	37.79	25.11	5.15	32.63
PK	904.94M	36.41	46.00	-9.59	-0.22	3	Vertical	360	3.00	-	36.63	26.39	5.85	32.46

Mode 4



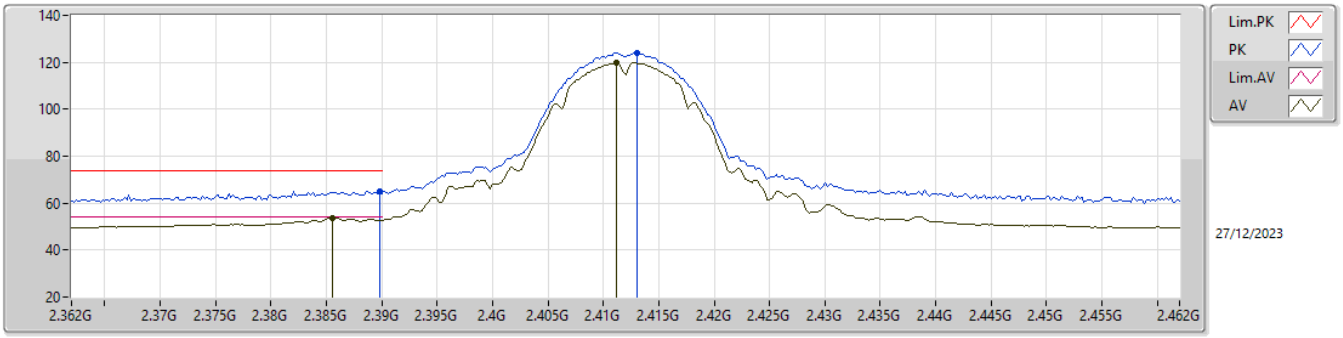
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	500.45M	36.04	46.00	-9.96	-4.83	3	Horizontal	307	2.00	-	40.87	23.27	4.17	32.27
PK	888.45M	34.94	46.00	-11.06	-0.43	3	Horizontal	64	2.00	-	35.37	26.27	5.79	32.49
PK	914.64M	34.90	46.00	-11.10	-0.22	3	Horizontal	144	2.00	-	35.12	26.38	5.88	32.48
PK	928.22M	35.53	46.00	-10.47	-0.14	3	Horizontal	357	1.00	-	35.67	26.45	5.92	32.51
PK	949.56M	36.17	46.00	-9.83	0.14	3	Horizontal	237	1.25	"Worst"	36.03	26.71	5.98	32.55
PK	957.32M	35.84	46.00	-10.16	0.32	3	Horizontal	262	2.00	-	35.52	26.82	6.01	32.51

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.98	54.00	-0.02	3	Vertical	83	1.88	-

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

2412MHz_TX

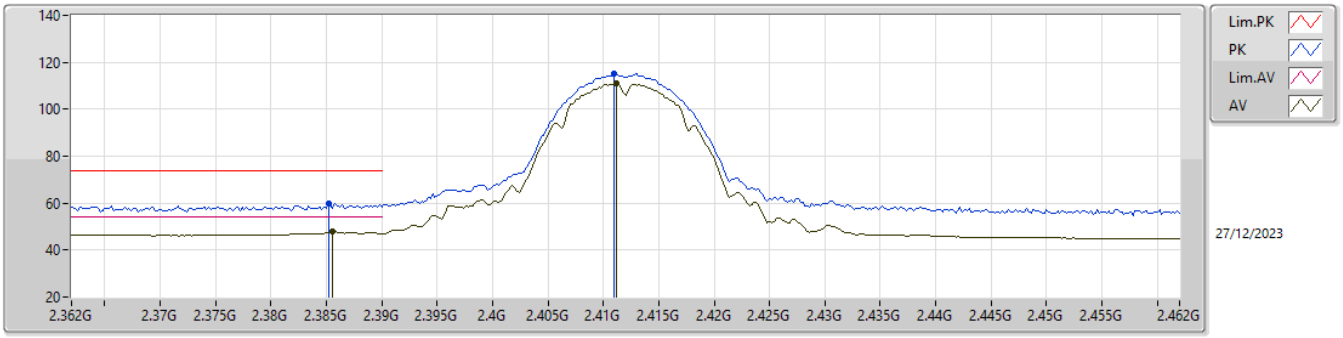


EUT Y_2TX
Setting 103
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.10	74.00	-8.90	32.69	3	Vertical	1	2.60	-	27.70	4.71	-
AV	2.3856G	53.80	54.00	-0.20	21.40	3	Vertical	1	2.60	-	27.70	4.70	-
PK	2.413G	124.14	Inf	-Inf	91.81	3	Vertical	1	2.60	-	27.60	4.73	-
AV	2.4112G	120.01	Inf	-Inf	87.68	3	Vertical	1	2.60	-	27.60	4.73	-

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

2412MHz_TX

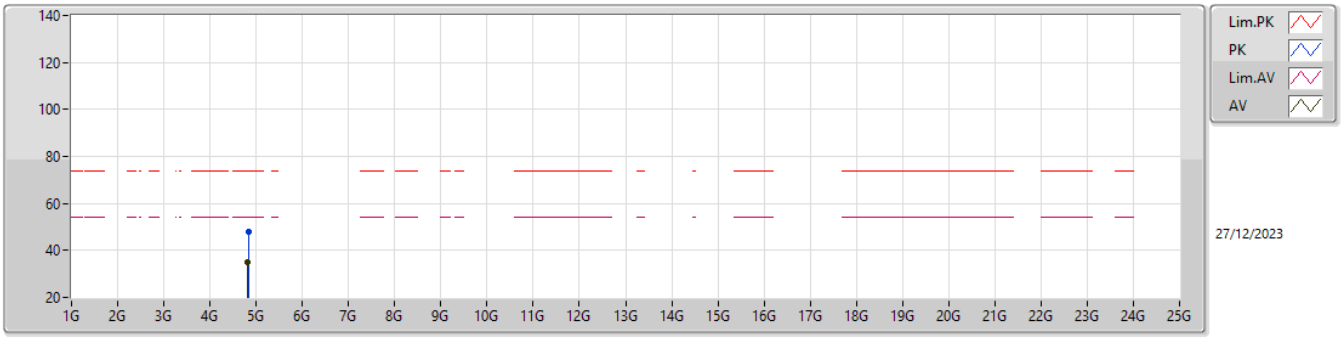


EUT Y_2TX
Setting 103
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3852G	59.80	74.00	-14.20	27.40	3	Horizontal	236	1.00	-	27.70	4.70	-
AV	2.3856G	47.96	54.00	-6.04	15.56	3	Horizontal	236	1.00	-	27.70	4.70	-
PK	2.411G	115.09	Inf	-Inf	82.76	3	Horizontal	236	1.00	-	27.60	4.73	-
AV	2.4112G	111.03	Inf	-Inf	78.70	3	Horizontal	236	1.00	-	27.60	4.73	-

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

2412MHz_TX

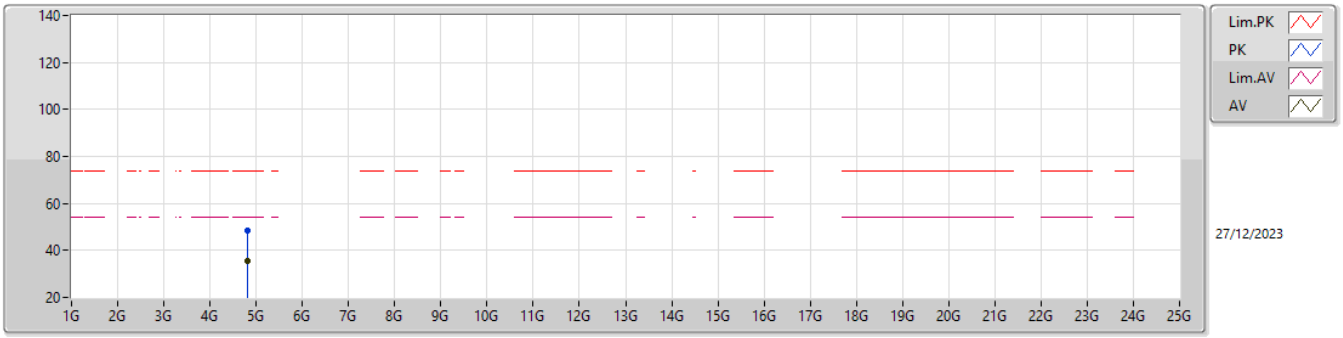


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82964G	47.83	74.00	-26.17	40.31	3	Vertical	84	1.70	-	31.30	6.70	30.48
AV	4.824G	35.06	54.00	-18.94	27.55	3	Vertical	84	1.70	-	31.30	6.69	30.48

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

2412MHz_TX

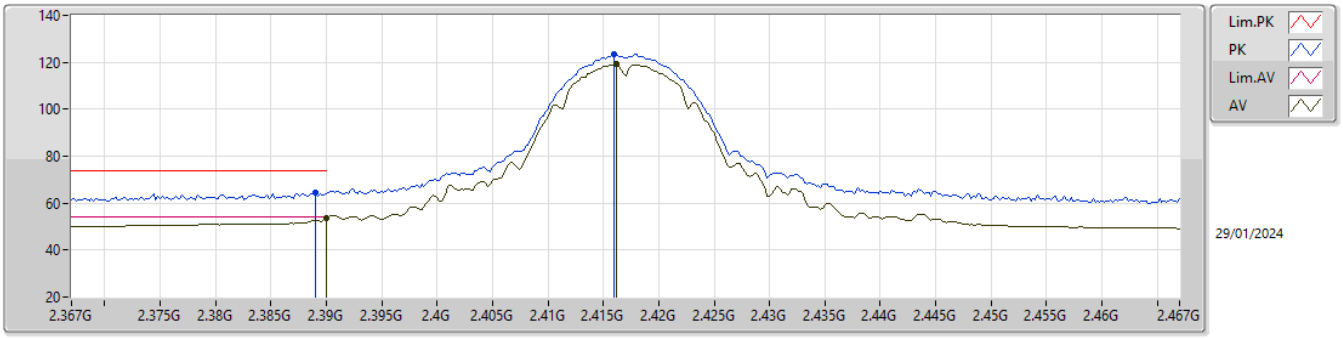


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82424G	48.30	74.00	-25.70	40.79	3	Horizontal	113	1.80	-	31.30	6.69	30.48
AV	4.82394G	35.36	54.00	-18.64	27.85	3	Horizontal	113	1.80	-	31.30	6.69	30.48

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

2417MHz_TX

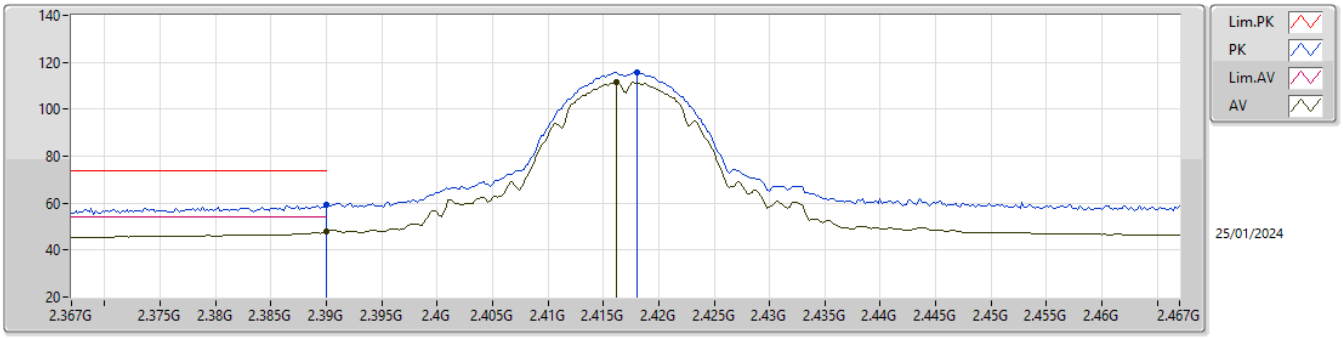


EUT Y_2TX
Setting 105
06-D-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	64.68	74.00	-9.32	32.27	3	Vertical	33	2.54	-	27.70	4.71	-
AV	2.39G	53.61	54.00	-0.39	21.20	3	Vertical	33	2.54	-	27.70	4.71	-
PK	2.416G	123.37	Inf	-Inf	91.04	3	Vertical	33	2.54	-	27.60	4.73	-
AV	2.4162G	119.45	Inf	-Inf	87.12	3	Vertical	33	2.54	-	27.60	4.73	-

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

2417MHz_TX

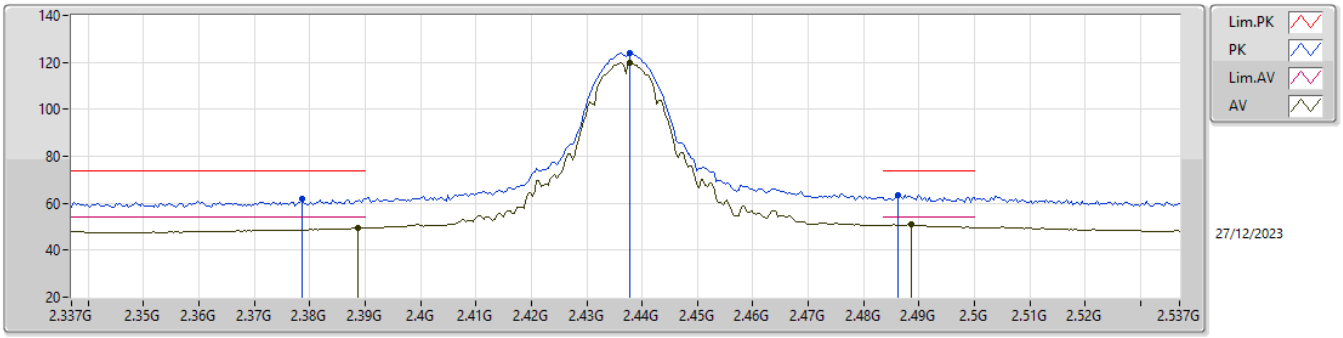


EUT Y_2TX
Setting 105
06-D-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	59.56	74.00	-14.44	27.15	3	Horizontal	114	2.81	-	27.70	4.71	-
AV	2.39G	47.79	54.00	-6.21	15.38	3	Horizontal	114	2.81	-	27.70	4.71	-
PK	2.418G	115.88	Inf	-Inf	83.54	3	Horizontal	114	2.81	-	27.60	4.74	-
AV	2.4162G	111.66	Inf	-Inf	79.33	3	Horizontal	114	2.81	-	27.60	4.73	-

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

2437MHz_TX

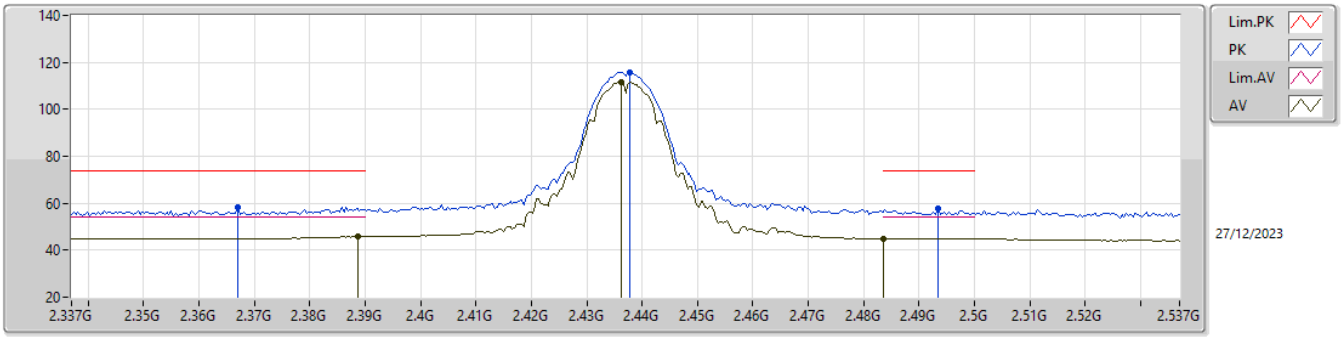


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3786G	61.82	74.00	-12.18	29.41	3	Vertical	91	2.12	-	27.71	4.70	-
AV	2.3886G	49.47	54.00	-4.53	17.06	3	Vertical	91	2.12	-	27.70	4.71	-
PK	2.4378G	123.96	Inf	-Inf	91.71	3	Vertical	91	2.12	-	27.50	4.75	-
AV	2.4378G	119.77	Inf	-Inf	87.52	3	Vertical	91	2.12	-	27.50	4.75	-
PK	2.4862G	63.60	74.00	-10.40	31.40	3	Vertical	91	2.12	-	27.40	4.80	-
AV	2.4886G	50.90	54.00	-3.10	18.70	3	Vertical	91	2.12	-	27.40	4.80	-

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

2437MHz_TX

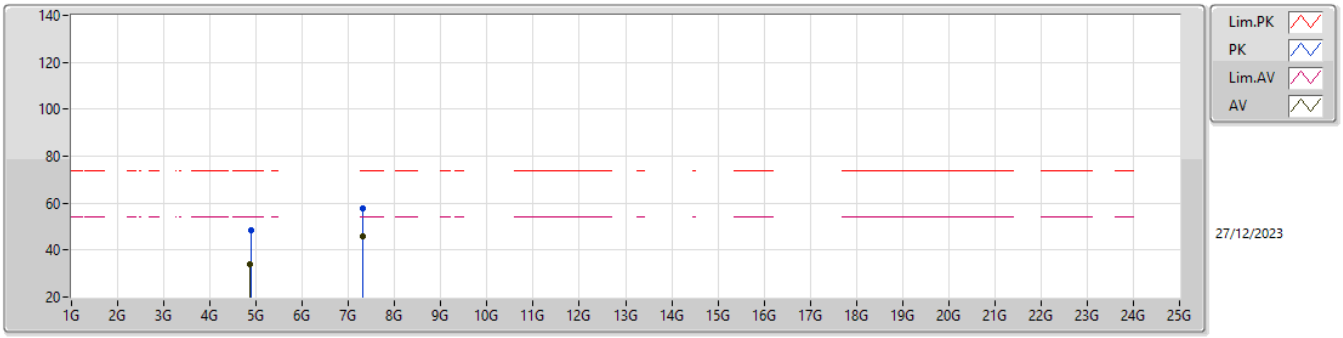


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.367G	58.30	74.00	-15.70	25.78	3	Horizontal	113	2.80	-	27.83	4.69	-
AV	2.3886G	45.83	54.00	-8.17	13.42	3	Horizontal	113	2.80	-	27.70	4.71	-
PK	2.4378G	115.84	Inf	-Inf	83.59	3	Horizontal	113	2.80	-	27.50	4.75	-
AV	2.4362G	111.78	Inf	-Inf	79.53	3	Horizontal	113	2.80	-	27.50	4.75	-
PK	2.4934G	57.57	74.00	-16.43	25.37	3	Horizontal	113	2.80	-	27.40	4.80	-
AV	2.4835G	44.86	54.00	-9.14	12.66	3	Horizontal	113	2.80	-	27.40	4.80	-

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

2437MHz_TX

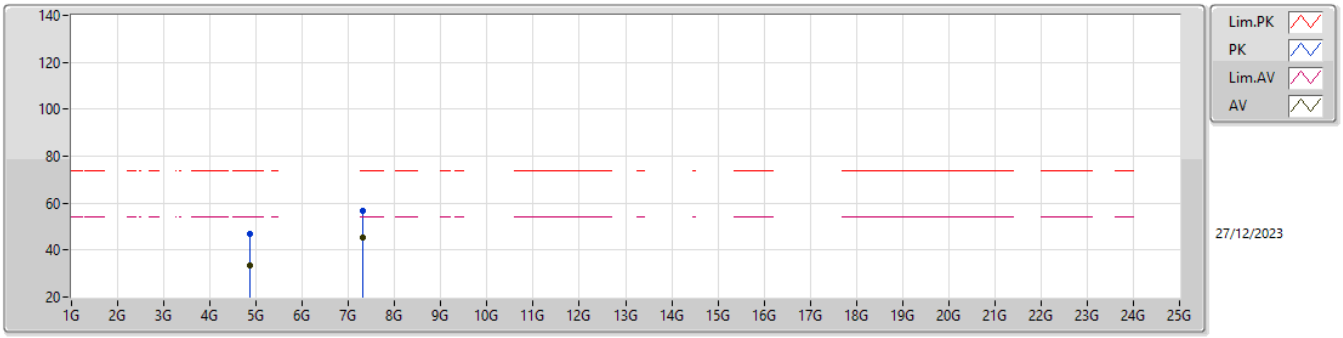


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88366G	48.19	74.00	-25.81	40.58	3	Vertical	23	1.80	-	31.30	6.74	30.43
AV	4.87388G	34.22	54.00	-19.78	26.63	3	Vertical	23	1.80	-	31.30	6.73	30.44
PK	7.31238G	58.01	74.00	-15.99	44.46	3	Vertical	37	1.90	-	36.60	8.34	31.39
AV	7.31016G	45.62	54.00	-8.38	32.07	3	Vertical	37	1.90	-	36.60	8.34	31.39

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

2437MHz_TX

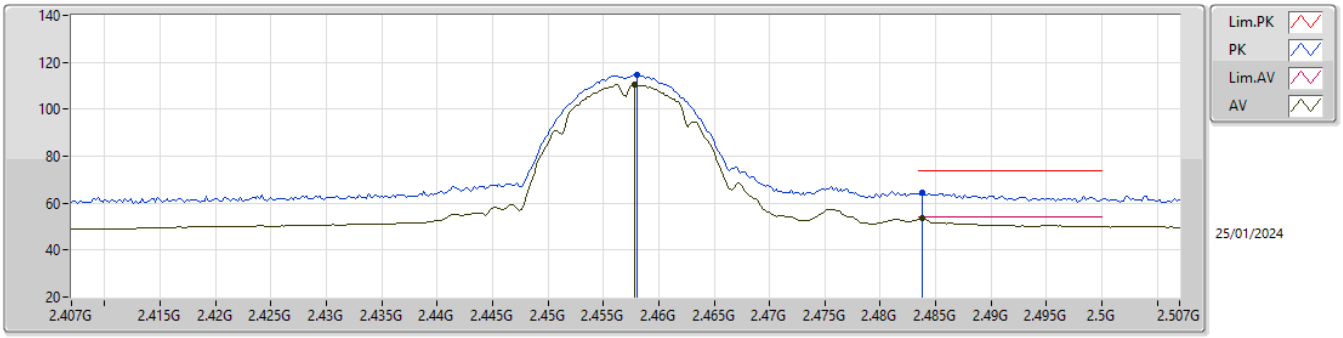


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8665G	47.07	74.00	-26.93	39.49	3	Horizontal	32	1.80	-	31.30	6.73	30.45
AV	4.85918G	33.63	54.00	-20.37	26.06	3	Horizontal	32	1.80	-	31.30	6.72	30.45
PK	7.31196G	56.87	74.00	-17.13	43.32	3	Horizontal	293	2.94	-	36.60	8.34	31.39
AV	7.31016G	45.11	54.00	-8.89	31.56	3	Horizontal	293	2.94	-	36.60	8.34	31.39

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

2457MHz_TX

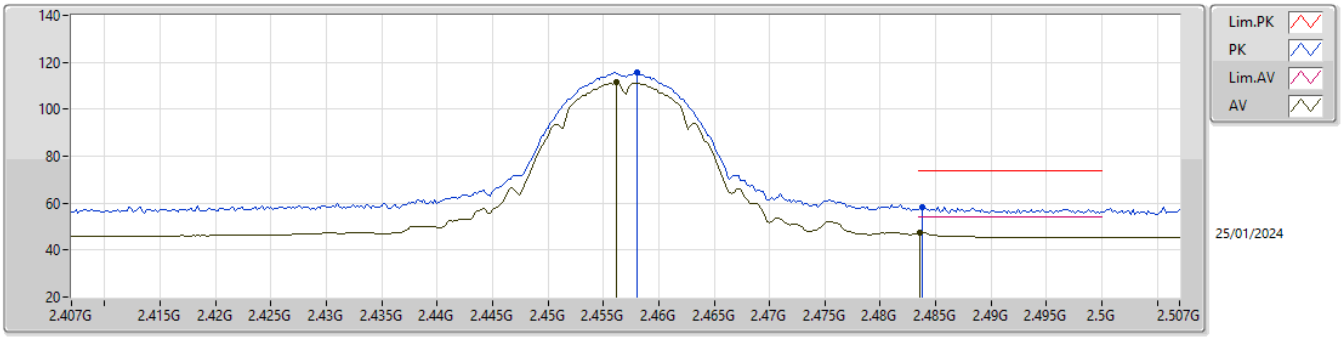


EUT Y_2TX
Setting 104
06-D-G-5

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	2.458G	114.88	Inf	-Inf	82.69	3	Vertical	1	2.26	-	27.42	4.77	-
AV	2.4578G	110.65	Inf	-Inf	78.46	3	Vertical	1	2.26	-	27.42	4.77	-
PK	2.4838G	64.39	74.00	-9.61	32.19	3	Vertical	1	2.26	-	27.40	4.80	-
AV	2.4838G	53.37	54.00	-0.63	21.17	3	Vertical	1	2.26	-	27.40	4.80	-

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

2457MHz_TX

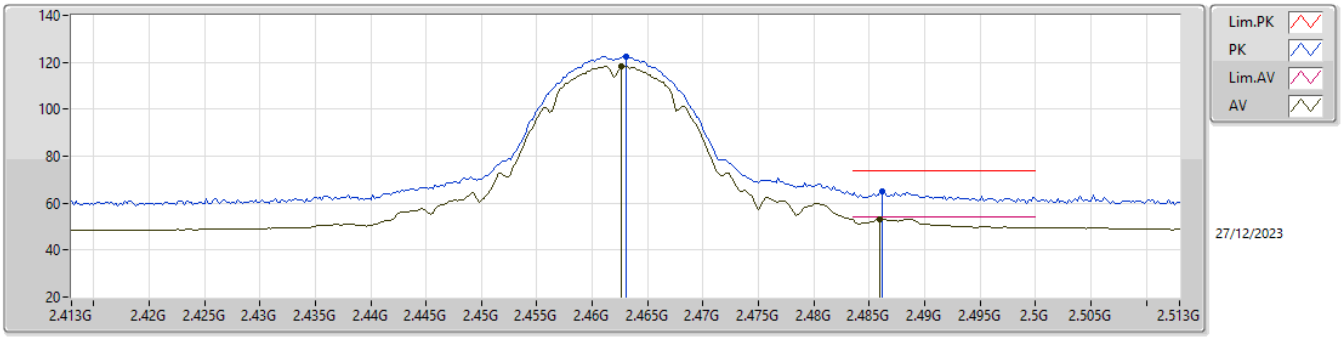


EUT Y_2TX
Setting 104
06-D-G-5

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	2.458G	115.45	Inf	-Inf	83.26	3	Horizontal	39	2.52	-	27.42	4.77	-
AV	2.4562G	111.53	Inf	-Inf	79.32	3	Horizontal	39	2.52	-	27.44	4.77	-
PK	2.4838G	58.34	74.00	-15.66	26.14	3	Horizontal	39	2.52	-	27.40	4.80	-
AV	2.4836G	47.38	54.00	-6.62	15.18	3	Horizontal	39	2.52	-	27.40	4.80	-

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

2462MHz_TX

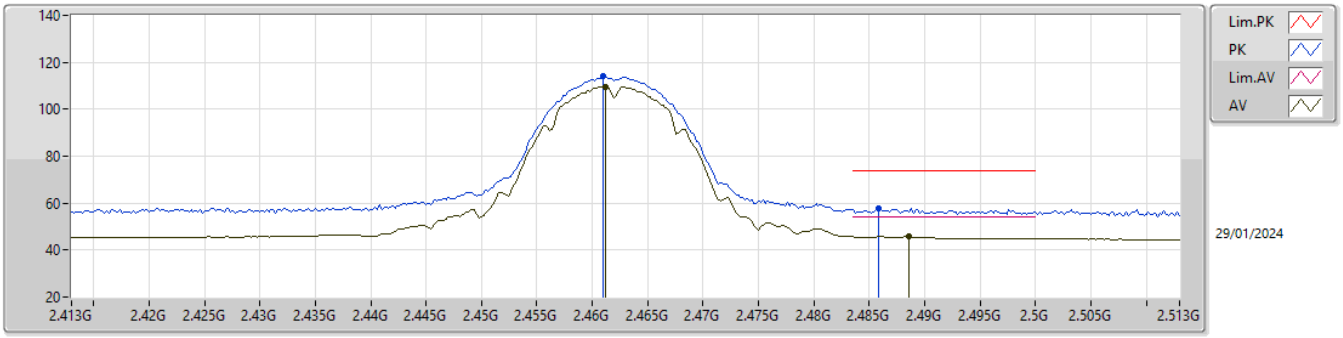


EUT Y_2TX
Setting 103
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	122.59	Inf	-Inf	90.41	3	Vertical	107	1.92	-	27.40	4.78	-
AV	2.4626G	118.41	Inf	-Inf	86.23	3	Vertical	107	1.92	-	27.40	4.78	-
PK	2.4862G	64.85	74.00	-9.15	32.65	3	Vertical	107	1.92	-	27.40	4.80	-
AV	2.486G	53.33	54.00	-0.67	21.13	3	Vertical	107	1.92	-	27.40	4.80	-

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

2462MHz_TX

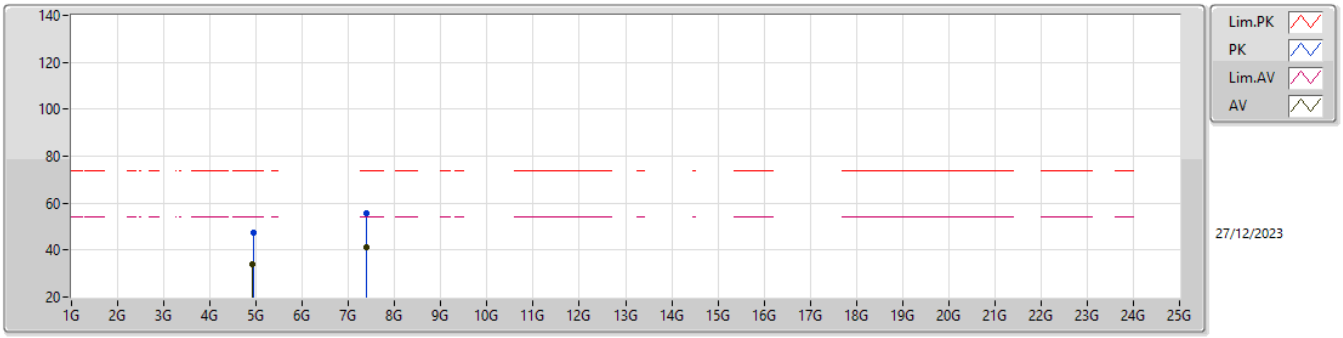


EUT Y_2TX
Setting 103
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	113.88	Inf	-Inf	81.71	3	Horizontal	113	2.75	-	27.40	4.77	-
AV	2.4612G	109.73	Inf	-Inf	77.55	3	Horizontal	113	2.75	-	27.40	4.78	-
PK	2.4858G	57.82	74.00	-16.18	25.62	3	Horizontal	113	2.75	-	27.40	4.80	-
AV	2.4886G	45.74	54.00	-8.26	13.54	3	Horizontal	113	2.75	-	27.40	4.80	-

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

2462MHz_TX

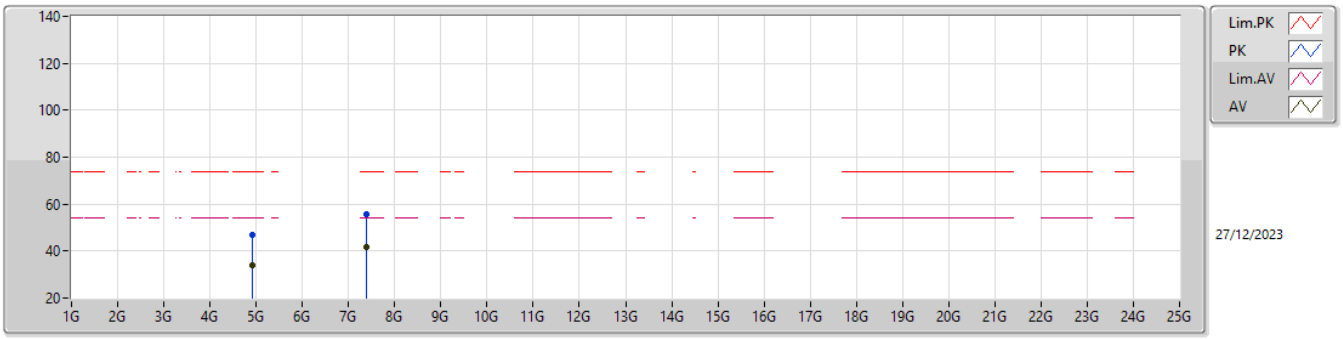


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.93114G	47.47	74.00	-26.53	39.66	3	Vertical	205	3.00	-	31.42	6.78	30.39
AV	4.92382G	33.77	54.00	-20.23	25.99	3	Vertical	205	3.00	-	31.40	6.78	30.40
PK	7.39398G	55.49	74.00	-18.51	41.84	3	Vertical	356	1.80	-	36.60	8.34	31.29
AV	7.38948G	41.36	54.00	-12.64	27.72	3	Vertical	356	1.80	-	36.60	8.34	31.30

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

2462MHz_TX

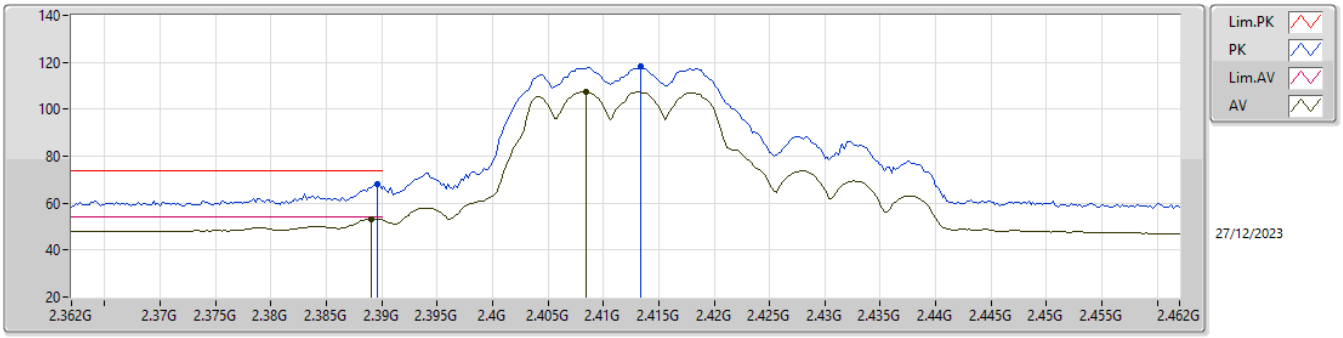


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91164G	46.89	74.00	-27.11	39.19	3	Horizontal	296	2.48	-	31.35	6.76	30.41
AV	4.92424G	33.72	54.00	-20.28	25.94	3	Horizontal	296	2.48	-	31.40	6.78	30.40
PK	7.37808G	55.50	74.00	-18.50	41.87	3	Horizontal	76	1.80	-	36.60	8.34	31.31
AV	7.3995G	41.55	54.00	-12.45	27.90	3	Horizontal	76	1.80	-	36.60	8.34	31.29

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

2412MHz_TX

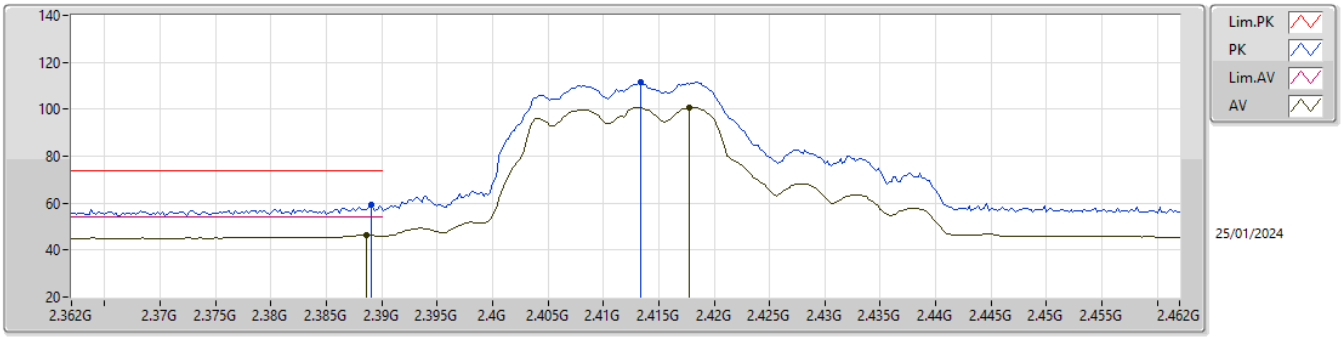


EUT Y_2TX
Setting 81
06-D-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	68.27	74.00	-5.73	35.86	3	Vertical	205	2.31	-	27.70	4.71	-
AV	2.389G	53.30	54.00	-0.70	20.89	3	Vertical	205	2.31	-	27.70	4.71	-
PK	2.4134G	118.28	Inf	-Inf	85.95	3	Vertical	205	2.31	-	27.60	4.73	-
AV	2.4084G	107.46	Inf	-Inf	75.11	3	Vertical	205	2.31	-	27.62	4.73	-

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

2412MHz_TX

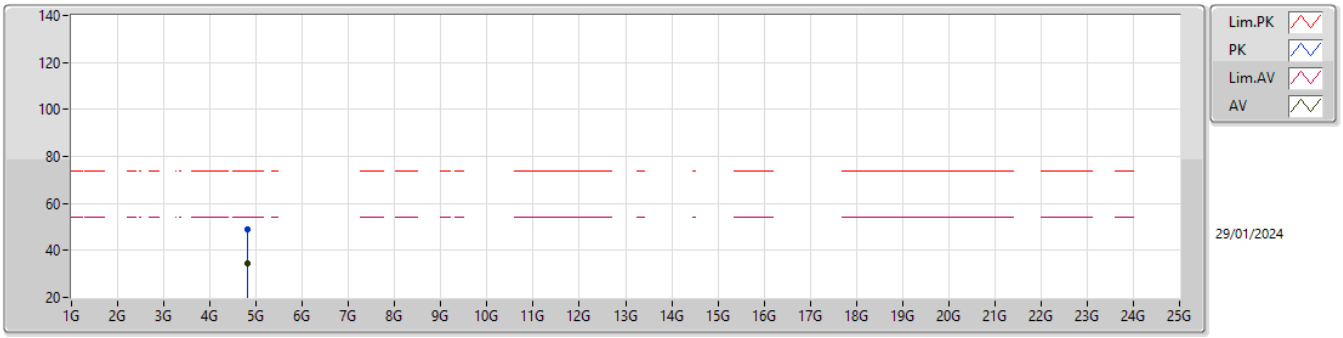


EUT Y_2TX
Setting 81
06-D-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	59.10	74.00	-14.90	26.69	3	Horizontal	111	2.49	-	27.70	4.71	-
AV	2.3886G	46.30	54.00	-7.70	13.89	3	Horizontal	111	2.49	-	27.70	4.71	-
PK	2.4134G	111.45	Inf	-Inf	79.12	3	Horizontal	111	2.49	-	27.60	4.73	-
AV	2.4178G	100.78	Inf	-Inf	68.44	3	Horizontal	111	2.49	-	27.60	4.74	-

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

2412MHz_TX

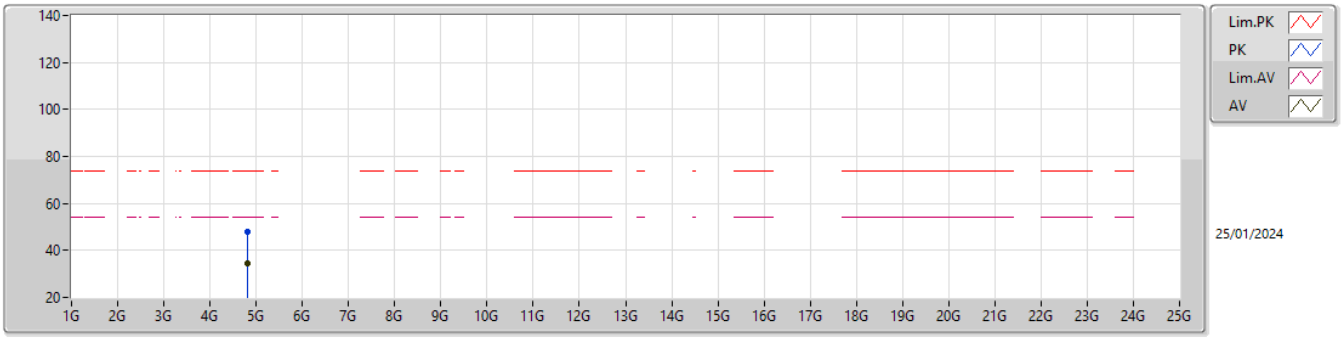


EUT Y_2TX
Setting 81
06-D-G-5

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	4.82106G	48.94	74.00	-25.06	41.44	3	Vertical	185	1.80	-	31.30	6.69	30.49
AV	4.819G	34.72	54.00	-19.28	27.22	3	Vertical	185	1.80	-	31.30	6.69	30.49

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

2412MHz_TX

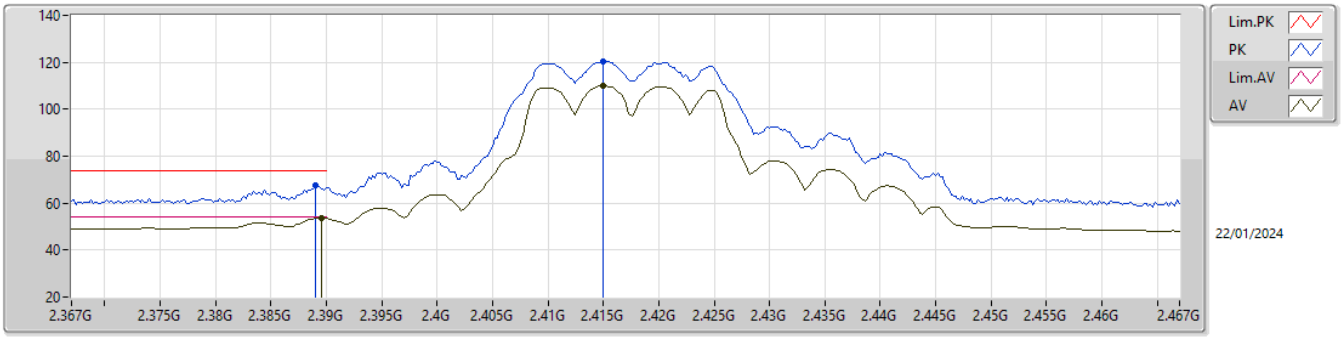


EUT Y_2TX
Setting 81
06-D-G-5

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	4.82122G	47.89	74.00	-26.11	40.39	3	Horizontal	326	1.62	-	31.30	6.69	30.49
AV	4.81912G	34.53	54.00	-19.47	27.03	3	Horizontal	326	1.62	-	31.30	6.69	30.49

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

2417MHz_TX

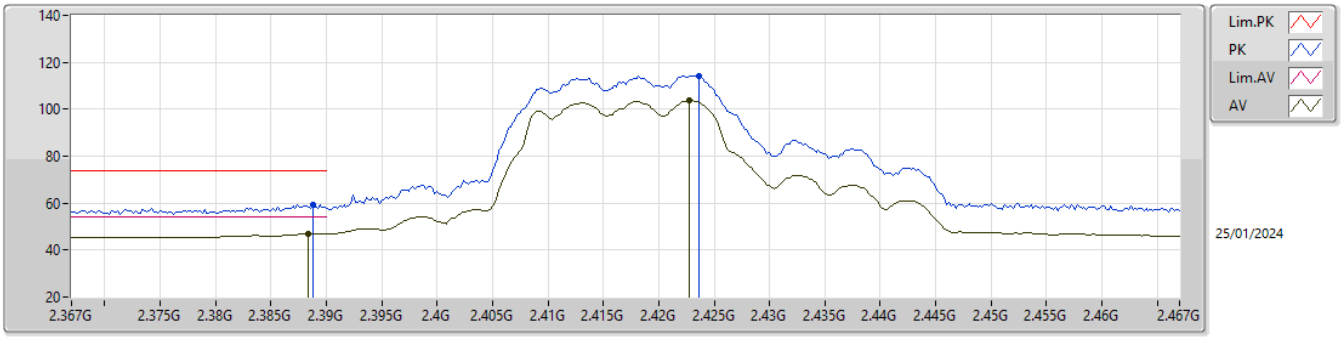


EUT Y_2TX
Setting 93
06-D-S-4

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	2.389G	67.49	74.00	-6.51	35.08	3	Vertical	199	2.41	-	27.70	4.71	-
AV	2.3896G	53.69	54.00	-0.31	21.28	3	Vertical	199	2.41	-	27.70	4.71	-
PK	2.415G	120.42	Inf	-Inf	88.09	3	Vertical	199	2.41	-	27.60	4.73	-
AV	2.415G	110.04	Inf	-Inf	77.71	3	Vertical	199	2.41	-	27.60	4.73	-

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

2417MHz_TX

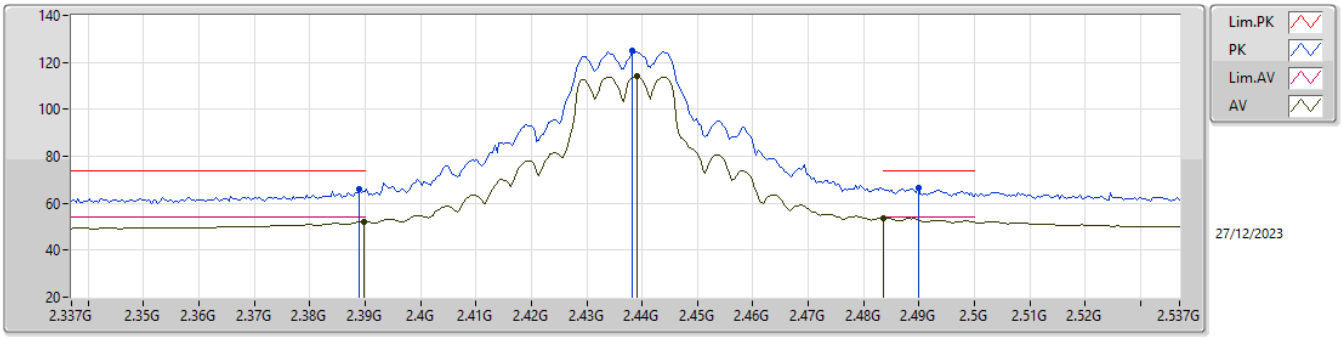


EUT Y_2TX
Setting 93
06-D-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3888G	59.34	74.00	-14.66	26.93	3	Horizontal	97	2.52	-	27.70	4.71	-
AV	2.3884G	47.11	54.00	-6.89	14.70	3	Horizontal	97	2.52	-	27.70	4.71	-
PK	2.4236G	114.15	Inf	-Inf	81.85	3	Horizontal	97	2.52	-	27.56	4.74	-
AV	2.4228G	103.81	Inf	-Inf	71.50	3	Horizontal	97	2.52	-	27.57	4.74	-

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

2437MHz_TX

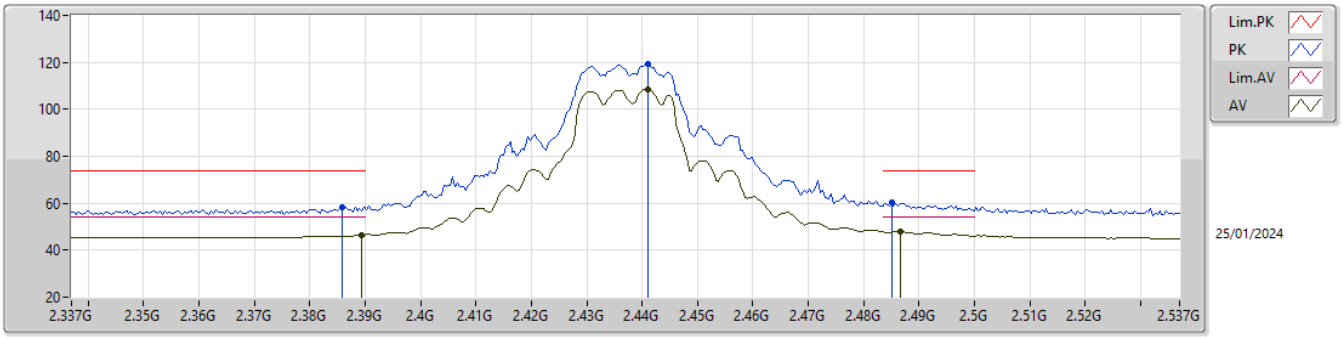


EUT Y_2TX
Setting 109
06-D-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	65.79	74.00	-8.21	33.38	3	Vertical	5	1.80	-	27.70	4.71	-
AV	2.3898G	52.25	54.00	-1.75	19.84	3	Vertical	5	1.80	-	27.70	4.71	-
PK	2.4382G	124.81	Inf	-Inf	92.56	3	Vertical	5	1.80	-	27.50	4.75	-
AV	2.439G	114.05	Inf	-Inf	81.79	3	Vertical	5	1.80	-	27.50	4.76	-
PK	2.4898G	66.46	74.00	-7.54	34.26	3	Vertical	5	1.80	-	27.40	4.80	-
AV	2.4835G	53.81	54.00	-0.19	21.61	3	Vertical	5	1.80	-	27.40	4.80	-

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

2437MHz_TX

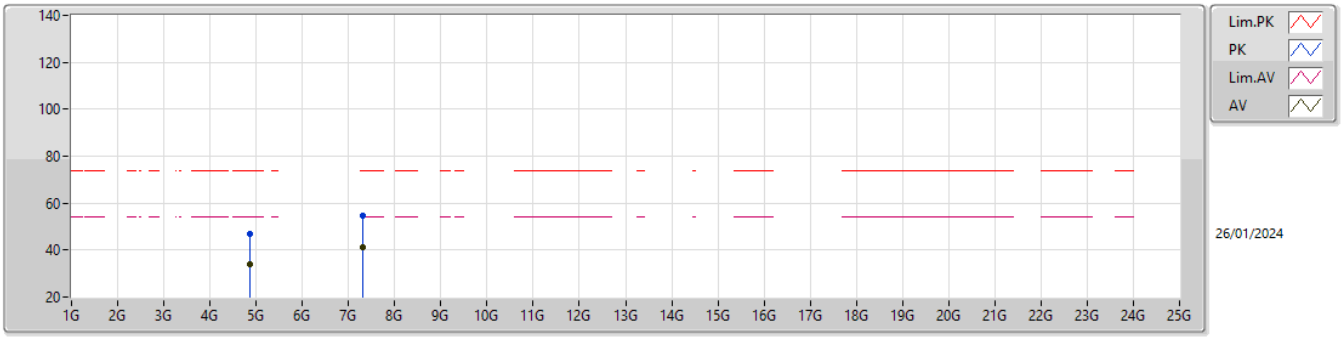


EUT Y_2TX
Setting 109
06-D-G-5

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	2.3858G	58.50	74.00	-15.50	26.09	3	Horizontal	109	2.74	-	27.70	4.71	-
AV	2.3894G	46.56	54.00	-7.44	14.15	3	Horizontal	109	2.74	-	27.70	4.71	-
PK	2.441G	119.32	Inf	-Inf	87.06	3	Horizontal	109	2.74	-	27.50	4.76	-
AV	2.441G	108.59	Inf	-Inf	76.33	3	Horizontal	109	2.74	-	27.50	4.76	-
PK	2.485G	60.39	74.00	-13.61	28.19	3	Horizontal	109	2.74	-	27.40	4.80	-
AV	2.4866G	47.95	54.00	-6.05	15.75	3	Horizontal	109	2.74	-	27.40	4.80	-

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

2437MHz_TX

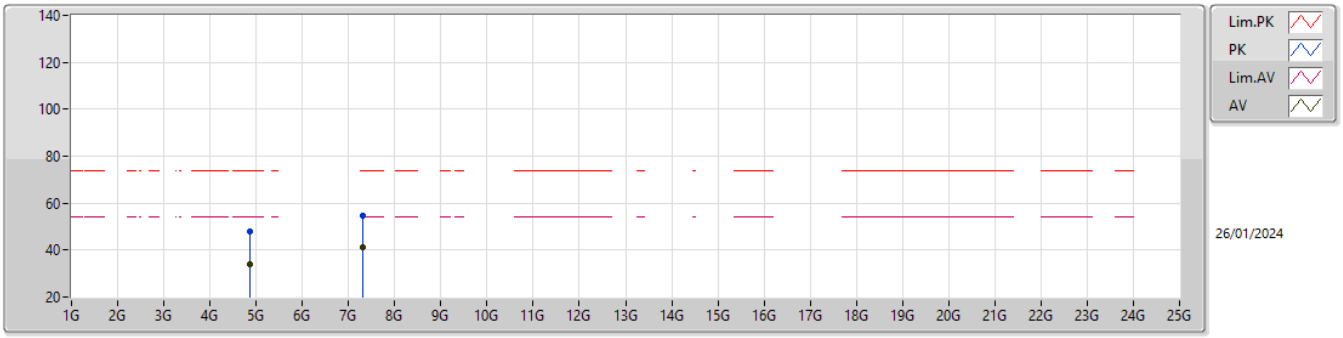


EUT Y_2TX
Setting 109
06-D-G-5

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	4.87664G	47.14	74.00	-26.86	39.54	3	Vertical	349	1.29	-	31.30	6.74	30.44
AV	4.87082G	34.04	54.00	-19.96	26.45	3	Vertical	349	1.29	-	31.30	6.73	30.44
PK	7.30868G	54.58	74.00	-19.42	41.03	3	Vertical	103	1.82	-	36.60	8.34	31.39
AV	7.3076G	41.25	54.00	-12.75	27.70	3	Vertical	103	1.82	-	36.60	8.34	31.39

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

2437MHz_TX

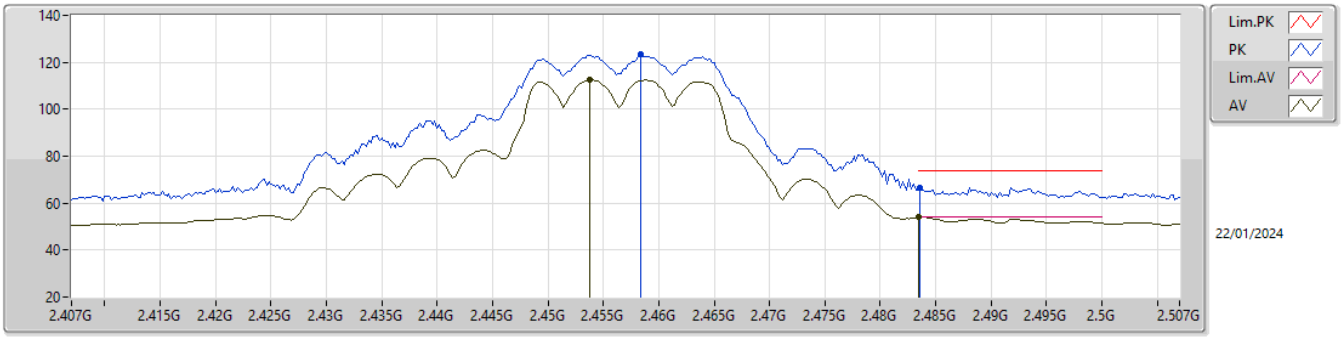


EUT Y_2TX
Setting 109
06-D-G-5

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	4.871G	48.08	74.00	-25.92	40.49	3	Horizontal	237	2.28	-	31.30	6.73	30.44
AV	4.87128G	34.00	54.00	-20.00	26.41	3	Horizontal	237	2.28	-	31.30	6.73	30.44
PK	7.3089G	54.70	74.00	-19.30	41.15	3	Horizontal	73	2.52	-	36.60	8.34	31.39
AV	7.3089G	41.23	54.00	-12.77	27.68	3	Horizontal	73	2.52	-	36.60	8.34	31.39

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

2457MHz_TX

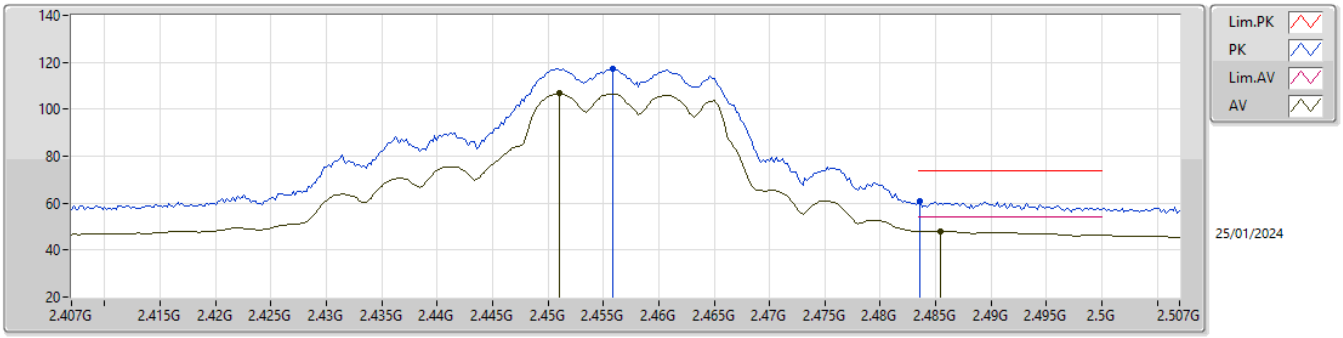


EUT Y_2TX
Setting 102
06-D-S-4

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	2.4584G	123.30	Inf	-Inf	91.11	3	Vertical	6	2.32	-	27.42	4.77	-
AV	2.4538G	112.42	Inf	-Inf	80.19	3	Vertical	6	2.32	-	27.46	4.77	-
PK	2.4836G	66.40	74.00	-7.60	34.20	3	Vertical	6	2.32	-	27.40	4.80	-
AV	2.4835G	53.97	54.00	-0.03	21.77	3	Vertical	6	2.32	-	27.40	4.80	-

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

2457MHz_TX

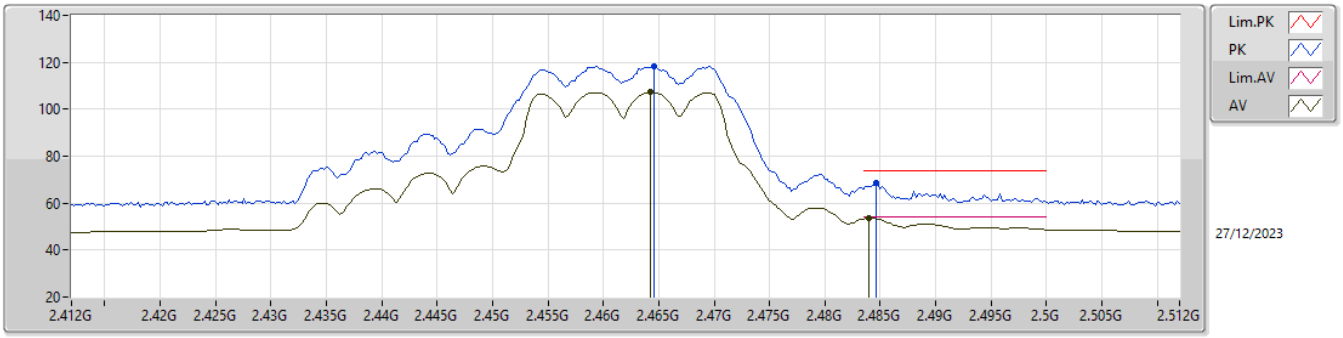


EUT Y_2TX
Setting 102
06-D-G-5

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	2.4558G	117.12	Inf	-Inf	84.91	3	Horizontal	110	2.77	-	27.44	4.77	-
AV	2.451G	106.73	Inf	-Inf	74.47	3	Horizontal	110	2.77	-	27.49	4.77	-
PK	2.4836G	60.71	74.00	-13.29	28.51	3	Horizontal	110	2.77	-	27.40	4.80	-
AV	2.4854G	48.16	54.00	-5.84	15.96	3	Horizontal	110	2.77	-	27.40	4.80	-

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

2462MHz_TX

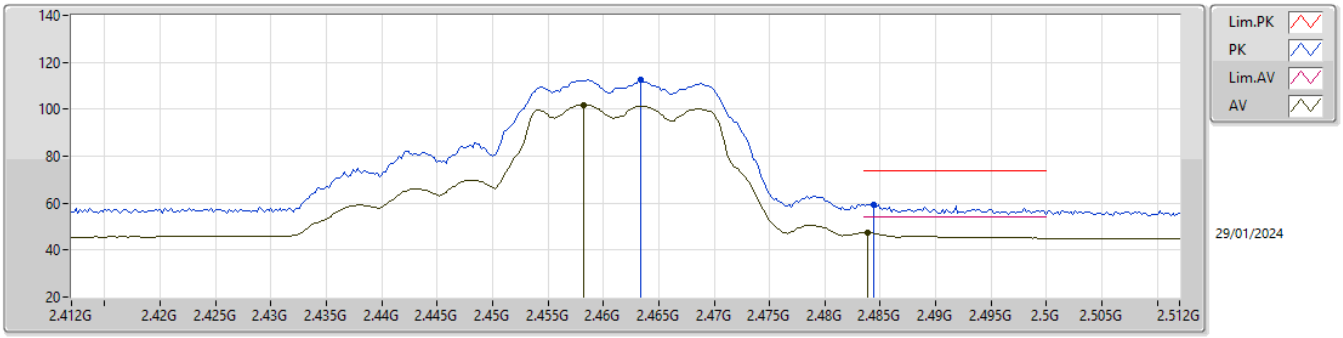


EUT Y_2TX
Setting 83
06-D-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4646G	118.13	Inf	-Inf	85.95	3	Vertical	1	2.03	-	27.40	4.78	-
AV	2.4642G	107.18	Inf	-Inf	75.00	3	Vertical	1	2.03	-	27.40	4.78	-
PK	2.4846G	68.52	74.00	-5.48	36.32	3	Vertical	1	2.03	-	27.40	4.80	-
AV	2.484G	53.58	54.00	-0.42	21.38	3	Vertical	1	2.03	-	27.40	4.80	-

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

2462MHz_TX

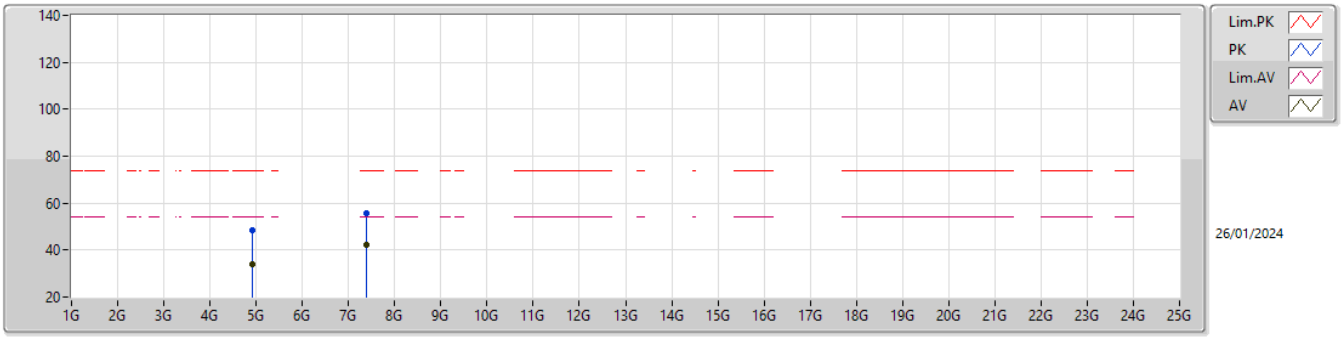


EUT Y_2TX
Setting 83
06-D-G-5

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	2.4634G	112.49	Inf	-Inf	80.31	3	Horizontal	110	2.46	-	27.40	4.78	-
AV	2.4582G	101.97	Inf	-Inf	69.78	3	Horizontal	110	2.46	-	27.42	4.77	-
PK	2.4844G	59.47	74.00	-14.53	27.27	3	Horizontal	110	2.46	-	27.40	4.80	-
AV	2.4838G	47.41	54.00	-6.59	15.21	3	Horizontal	110	2.46	-	27.40	4.80	-

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

2462MHz_TX

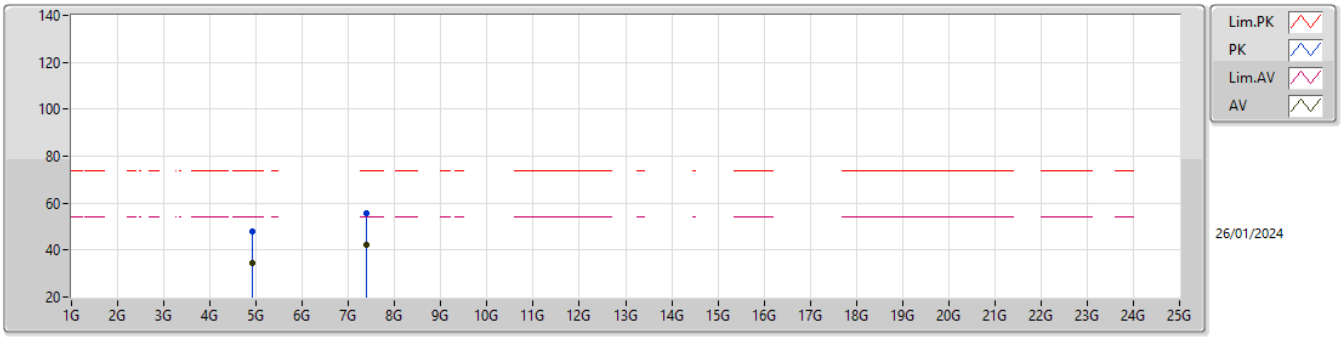


EUT Y_2TX
Setting 83
06-D-G-5

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	4.92252G	48.19	74.00	-25.81	40.43	3	Vertical	234	2.53	-	31.39	6.77	30.40
AV	4.92898G	34.17	54.00	-19.83	26.36	3	Vertical	234	2.53	-	31.42	6.78	30.39
PK	7.38352G	55.59	74.00	-18.41	41.96	3	Vertical	327	1.43	-	36.60	8.34	31.31
AV	7.38344G	42.03	54.00	-11.97	28.40	3	Vertical	327	1.43	-	36.60	8.34	31.31

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

2462MHz_TX

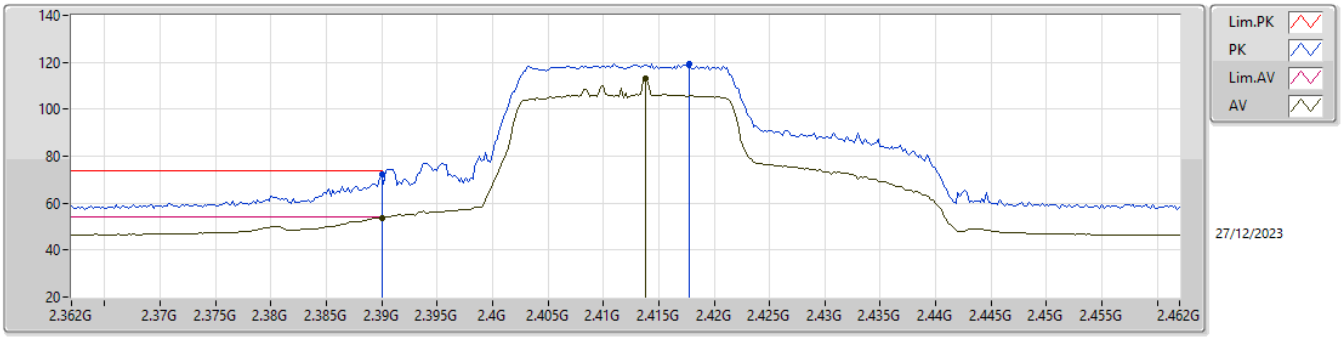


EUT Y_2TX
Setting 83
06-D-G-5

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	4.92334G	47.85	74.00	-26.15	40.09	3	Horizontal	232	1.19	-	31.39	6.77	30.40
AV	4.92858G	34.37	54.00	-19.63	26.57	3	Horizontal	232	1.19	-	31.41	6.78	30.39
PK	7.38176G	55.44	74.00	-18.56	41.81	3	Horizontal	49	2.94	-	36.60	8.34	31.31
AV	7.38106G	42.02	54.00	-11.98	28.39	3	Horizontal	49	2.94	-	36.60	8.34	31.31

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

2412MHz_TX

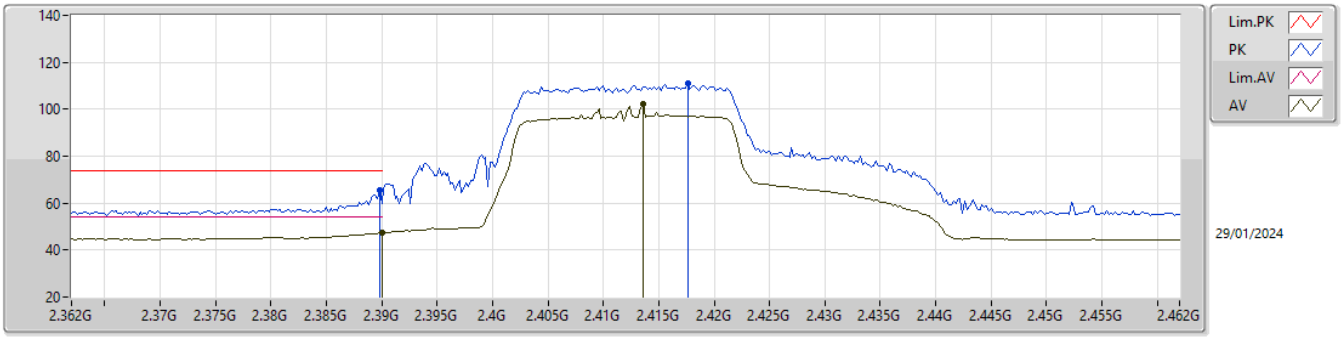


EUT Y_2TX
Setting 80
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	72.17	74.00	-1.83	39.76	3	Vertical	0	2.61	-	27.70	4.71	-
AV	2.39G	53.80	54.00	-0.20	21.39	3	Vertical	0	2.61	-	27.70	4.71	-
PK	2.4178G	119.48	Inf	-Inf	87.14	3	Vertical	0	2.61	-	27.60	4.74	-
AV	2.4138G	112.92	Inf	-Inf	80.59	3	Vertical	0	2.61	-	27.60	4.73	-

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

2412MHz_TX

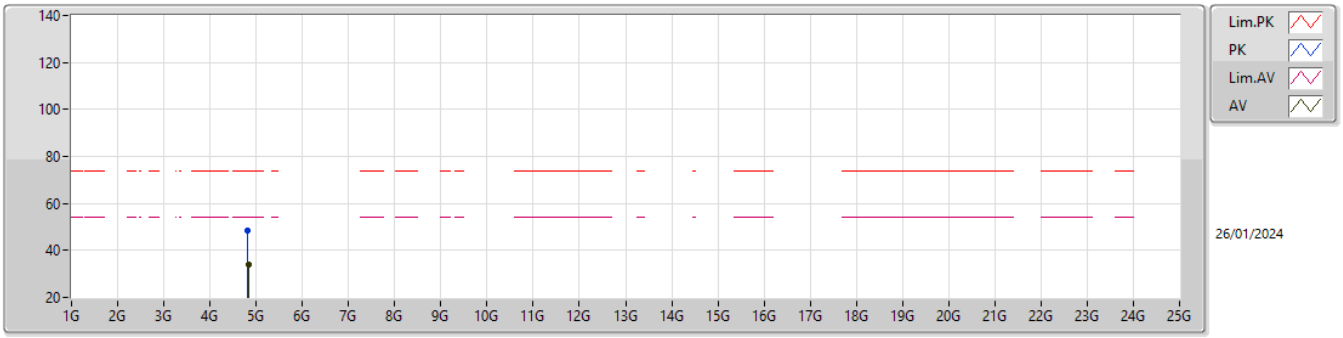


EUT Y_2TX
Setting 80
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.76	74.00	-8.24	33.35	3	Horizontal	81	2.82	-	27.70	4.71	-
AV	2.39G	47.33	54.00	-6.67	14.92	3	Horizontal	81	2.82	-	27.70	4.71	-
PK	2.4176G	110.91	Inf	-Inf	78.57	3	Horizontal	81	2.82	-	27.60	4.74	-
AV	2.4136G	102.21	Inf	-Inf	69.88	3	Horizontal	81	2.82	-	27.60	4.73	-

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

2412MHz_TX

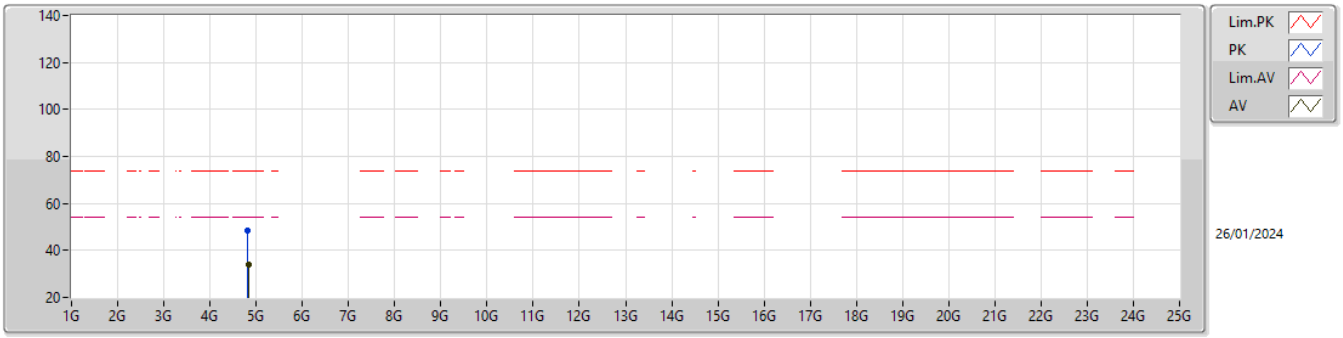


EUT Y_2TX
Setting 110
06-D-G-5

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	4.82112G	48.32	74.00	-25.68	40.82	3	Vertical	24	1.47	-	31.30	6.69	30.49
AV	4.82646G	34.14	54.00	-19.86	26.63	3	Vertical	24	1.47	-	31.30	6.69	30.48

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

2412MHz_TX

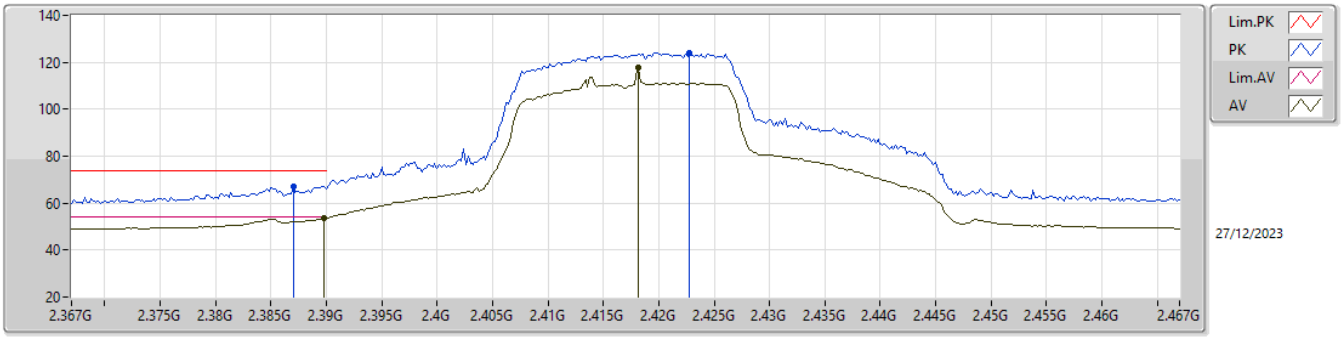


EUT Y_2TX
Setting 110
06-D-G-5

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	4.82156G	48.19	74.00	-25.81	40.69	3	Horizontal	78	1.89	-	31.30	6.69	30.49
AV	4.82744G	34.10	54.00	-19.90	26.59	3	Horizontal	78	1.89	-	31.30	6.69	30.48

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

2417MHz_TX

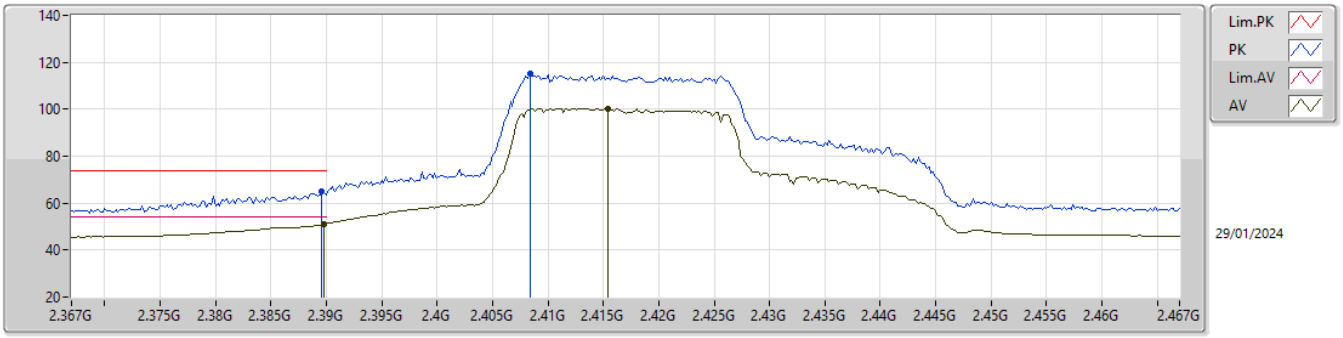


EUT Y_2TX
Setting 99
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3877G	67.25	74.00	-6.75	34.84	3	Vertical	0	2.83	-	27.70	4.71	-
AV	2.3898G	53.75	54.00	-0.25	21.34	3	Vertical	0	2.83	-	27.70	4.71	-
PK	2.4228G	124.01	Inf	-Inf	91.70	3	Vertical	0	2.83	-	27.57	4.74	-
AV	2.4182G	117.57	Inf	-Inf	85.23	3	Vertical	0	2.83	-	27.60	4.74	-

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

2417MHz_TX

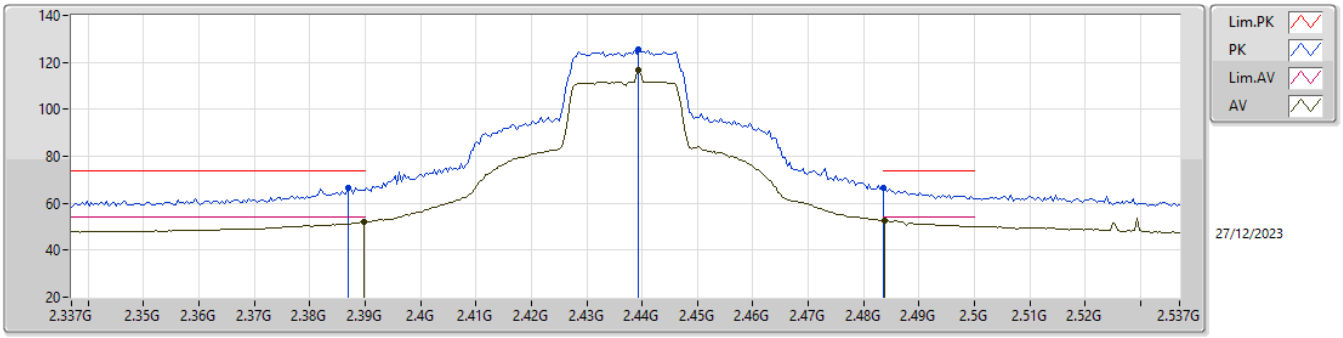


EUT Y_2TX
Setting 99
06-D-G-5

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	2.3896G	65.14	74.00	-8.86	32.73	3	Horizontal	56	2.55	-	27.70	4.71	-
AV	2.3898G	51.15	54.00	-2.85	18.74	3	Horizontal	56	2.55	-	27.70	4.71	-
PK	2.4084G	115.09	Inf	-Inf	82.74	3	Horizontal	56	2.55	-	27.62	4.73	-
AV	2.4154G	100.32	Inf	-Inf	67.99	3	Horizontal	56	2.55	-	27.60	4.73	-

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

2437MHz_TX

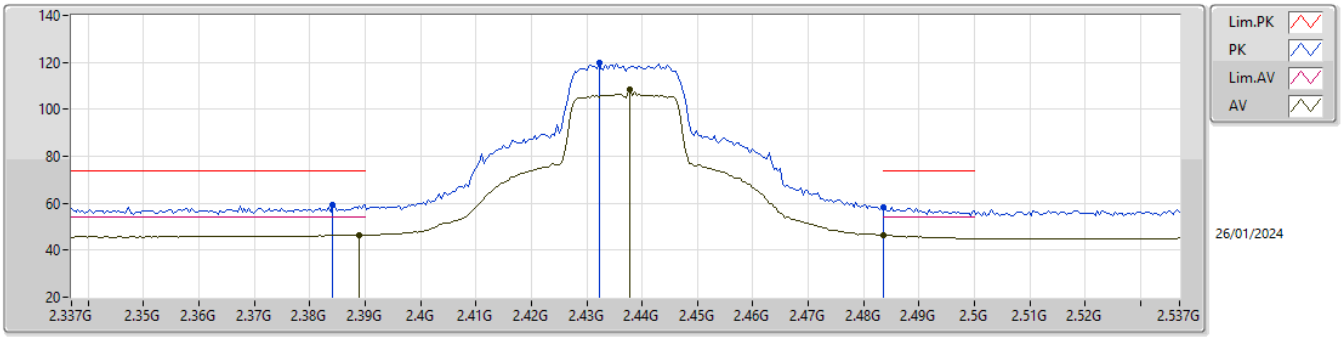


EUT Y_2TX
Setting 110
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.387G	66.61	74.00	-7.39	34.20	3	Vertical	223	2.02	-	27.70	4.71	-
AV	2.3898G	51.98	54.00	-2.02	19.57	3	Vertical	223	2.02	-	27.70	4.71	-
PK	2.4394G	125.29	Inf	-Inf	93.03	3	Vertical	223	2.02	-	27.50	4.76	-
AV	2.4394G	116.98	Inf	-Inf	84.72	3	Vertical	223	2.02	-	27.50	4.76	-
PK	2.4835G	66.50	74.00	-7.50	34.30	3	Vertical	223	2.02	-	27.40	4.80	-
AV	2.4838G	52.64	54.00	-1.36	20.44	3	Vertical	223	2.02	-	27.40	4.80	-

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

2437MHz_TX

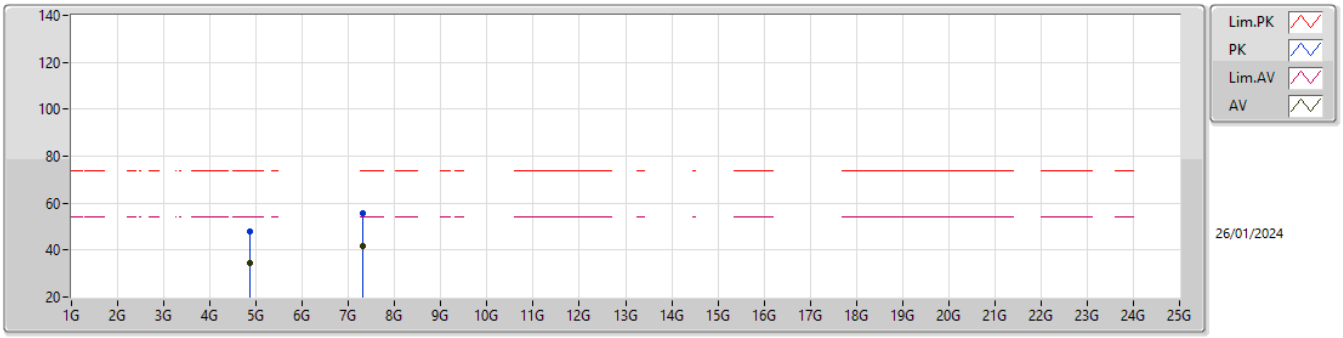


EUT Y_2TX
Setting 110
06-D-G-5

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	2.3842G	59.35	74.00	-14.65	26.95	3	Horizontal	207	2.82	-	27.70	4.70	-
AV	2.389G	46.61	54.00	-7.39	14.20	3	Horizontal	207	2.82	-	27.70	4.71	-
PK	2.4322G	119.60	Inf	-Inf	87.35	3	Horizontal	207	2.82	-	27.50	4.75	-
AV	2.4378G	108.23	Inf	-Inf	75.98	3	Horizontal	207	2.82	-	27.50	4.75	-
PK	2.4835G	58.13	74.00	-15.87	25.93	3	Horizontal	207	2.82	-	27.40	4.80	-
AV	2.4835G	46.46	54.00	-7.54	14.26	3	Horizontal	207	2.82	-	27.40	4.80	-

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

2437MHz_TX

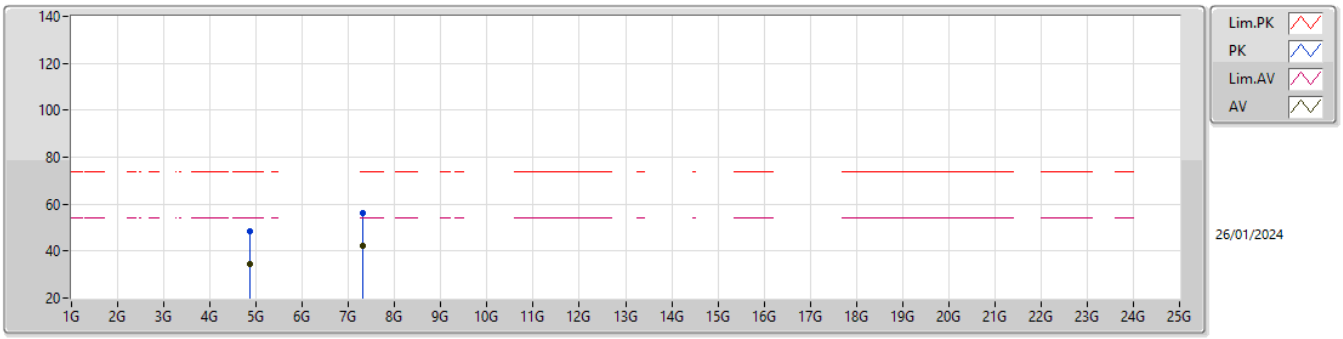


EUT Y_2TX
Setting 110
06-D-G-5

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	4.87224G	47.92	74.00	-26.08	40.33	3	Vertical	180	3.00	-	31.30	6.73	30.44
AV	4.87366G	34.64	54.00	-19.36	27.05	3	Vertical	180	3.00	-	31.30	6.73	30.44
PK	7.30958G	55.55	74.00	-18.45	42.00	3	Vertical	229	1.17	-	36.60	8.34	31.39
AV	7.30758G	41.93	54.00	-12.07	28.38	3	Vertical	229	1.17	-	36.60	8.34	31.39

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

2437MHz_TX

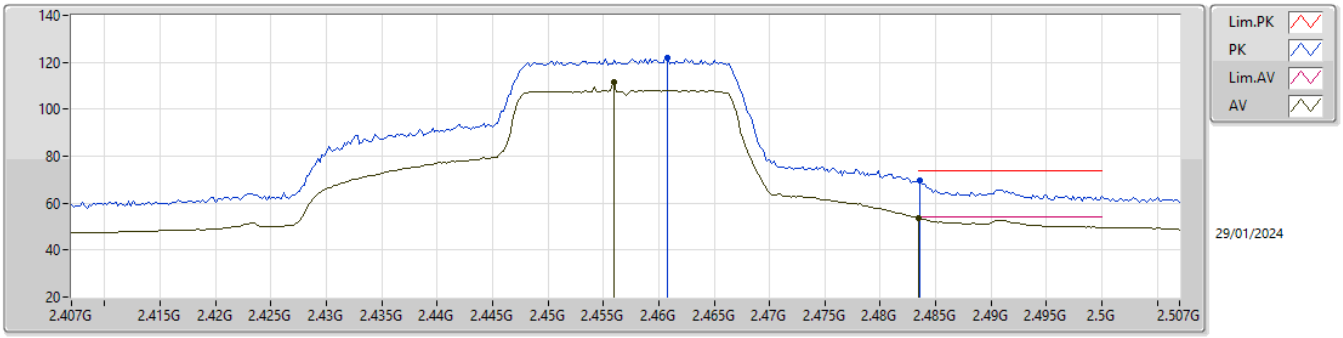


EUT Y_2TX
Setting 110
06-D-G-5

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	4.87498G	48.35	74.00	-25.65	40.76	3	Horizontal	203	2.22	-	31.30	6.73	30.44
AV	4.87414G	34.65	54.00	-19.35	27.06	3	Horizontal	203	2.22	-	31.30	6.73	30.44
PK	7.3114G	56.15	74.00	-17.85	42.60	3	Horizontal	199	2.32	-	36.60	8.34	31.39
AV	7.30888G	42.02	54.00	-11.98	28.47	3	Horizontal	199	2.32	-	36.60	8.34	31.39

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

2457MHz_TX

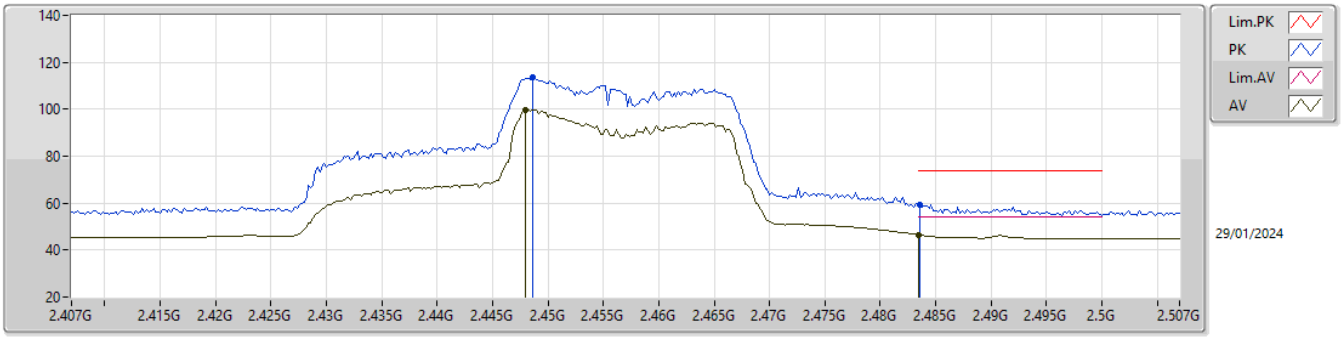


EUT Y_2TX
Setting 93
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4608G	121.95	Inf	-Inf	89.78	3	Vertical	70	1.83	-	27.40	4.77	-
AV	2.456G	111.56	Inf	-Inf	79.35	3	Vertical	70	1.83	-	27.44	4.77	-
PK	2.4836G	69.89	74.00	-4.11	37.69	3	Vertical	70	1.83	-	27.40	4.80	-
AV	2.4835G	53.63	54.00	-0.37	21.43	3	Vertical	70	1.83	-	27.40	4.80	-

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

2457MHz_TX

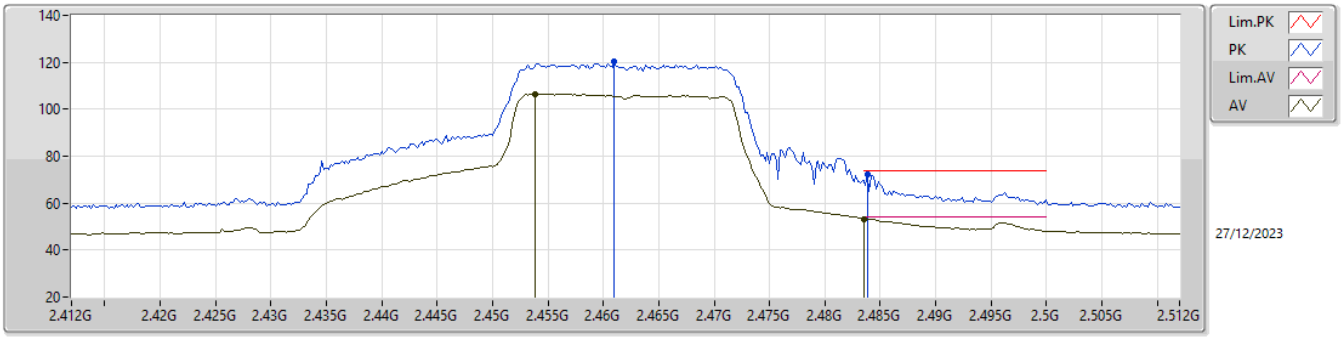


EUT Y_2TX
Setting 93
06-D-G-5

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	2.4486G	113.42	Inf	-Inf	81.16	3	Horizontal	291	1.80	-	27.50	4.76	-
AV	2.448G	99.79	Inf	-Inf	67.53	3	Horizontal	291	1.80	-	27.50	4.76	-
PK	2.4836G	59.44	74.00	-14.56	27.24	3	Horizontal	291	1.80	-	27.40	4.80	-
AV	2.4835G	46.31	54.00	-7.69	14.11	3	Horizontal	291	1.80	-	27.40	4.80	-

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

2462MHz_TX

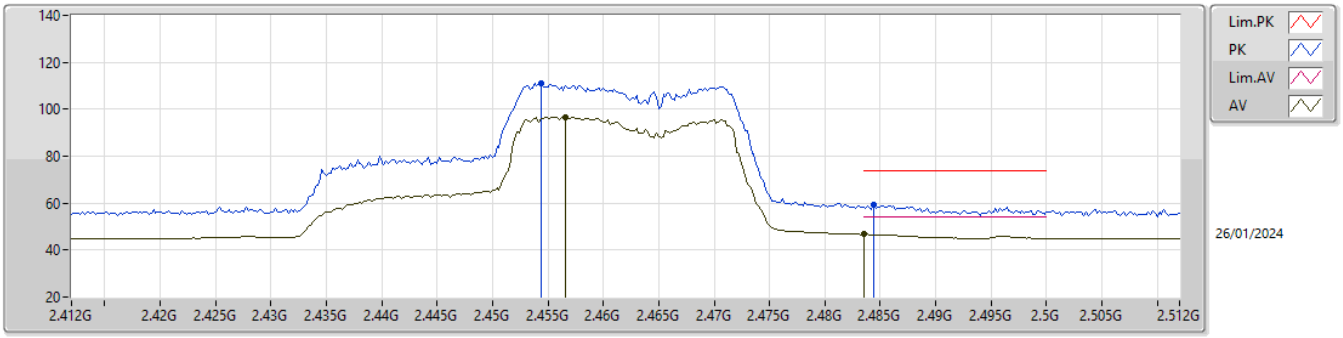


EUT Y_2TX
Setting 80
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	120.21	Inf	-Inf	88.04	3	Vertical	360	2.20	-	27.40	4.77	-
AV	2.4538G	106.54	Inf	-Inf	74.31	3	Vertical	360	2.20	-	27.46	4.77	-
PK	2.4838G	72.13	74.00	-1.87	39.93	3	Vertical	360	2.20	-	27.40	4.80	-
AV	2.4835G	53.36	54.00	-0.64	21.16	3	Vertical	360	2.20	-	27.40	4.80	-

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

2462MHz_TX

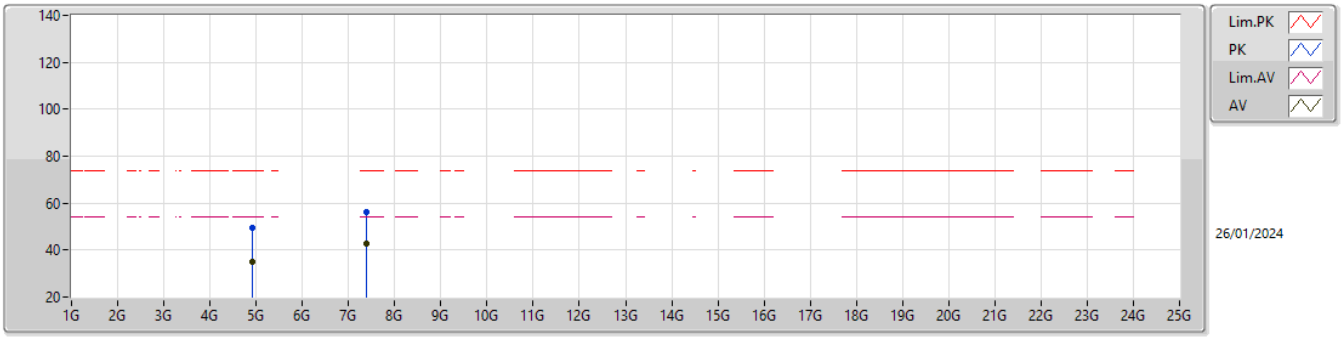


EUT Y_2TX
Setting 80
06-D-G-5

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	2.4544G	110.95	Inf	-Inf	78.72	3	Horizontal	63	2.21	-	27.46	4.77	-
AV	2.4566G	96.61	Inf	-Inf	64.41	3	Horizontal	63	2.21	-	27.43	4.77	-
PK	2.4844G	59.10	74.00	-14.90	26.90	3	Horizontal	63	2.21	-	27.40	4.80	-
AV	2.4835G	46.65	54.00	-7.35	14.45	3	Horizontal	63	2.21	-	27.40	4.80	-

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

2462MHz_TX

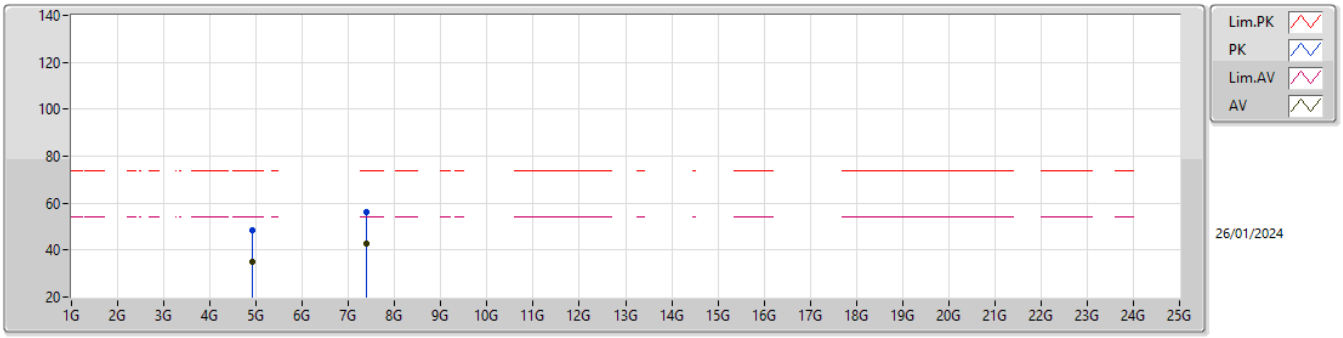


EUT Y_2TX
Setting 80
06-D-G-5

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	4.9239G	49.59	74.00	-24.41	41.81	3	Vertical	171	2.41	-	31.40	6.78	30.40
AV	4.92896G	35.02	54.00	-18.98	27.21	3	Vertical	171	2.41	-	31.42	6.78	30.39
PK	7.38872G	56.37	74.00	-17.63	42.73	3	Vertical	253	2.50	-	36.60	8.34	31.30
AV	7.38384G	42.80	54.00	-11.20	29.16	3	Vertical	253	2.50	-	36.60	8.34	31.30

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

2462MHz_TX

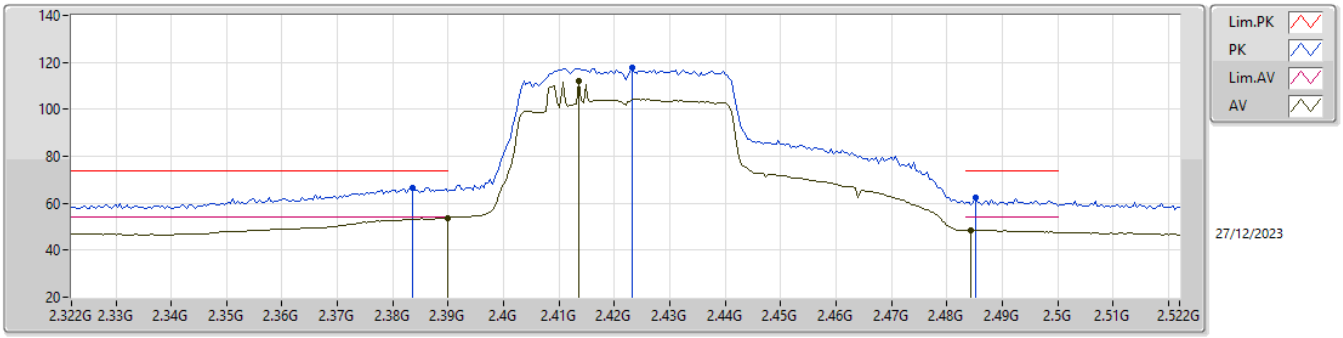


EUT Y_2TX
Setting 80
06-D-G-5

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	4.9201G	48.47	74.00	-25.53	40.72	3	Horizontal	113	1.43	-	31.38	6.77	30.40
AV	4.92742G	35.07	54.00	-18.93	27.27	3	Horizontal	113	1.43	-	31.41	6.78	30.39
PK	7.38678G	56.45	74.00	-17.55	42.81	3	Horizontal	72	2.28	-	36.60	8.34	31.30
AV	7.38364G	42.81	54.00	-11.19	29.17	3	Horizontal	72	2.28	-	36.60	8.34	31.30

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

2422MHz_TX

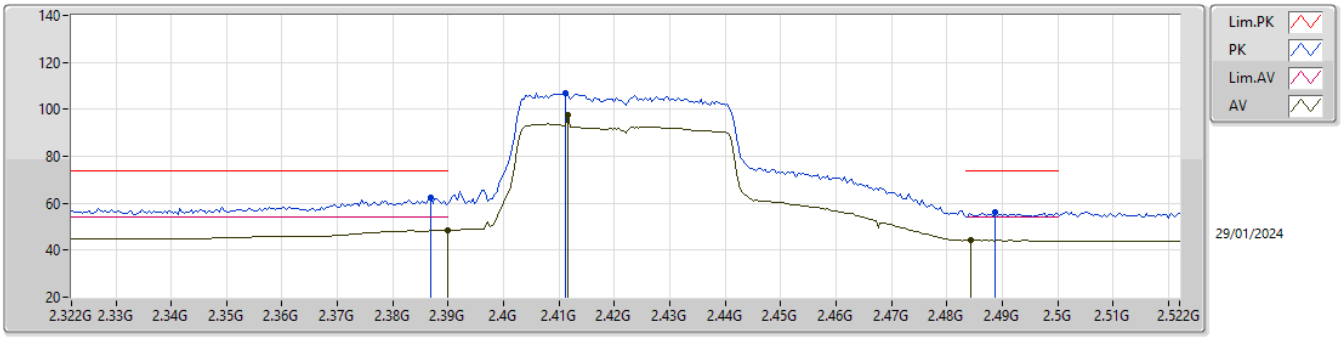


EUT Y_2TX
Setting 81
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3836G	66.68	74.00	-7.32	34.28	3	Vertical	2	2.80	-	27.70	4.70	-
AV	2.39G	53.75	54.00	-0.25	21.34	3	Vertical	2	2.80	-	27.70	4.71	-
PK	2.4232G	117.60	Inf	-Inf	85.29	3	Vertical	2	2.80	-	27.57	4.74	-
AV	2.4136G	112.04	Inf	-Inf	79.71	3	Vertical	2	2.80	-	27.60	4.73	-
PK	2.4852G	62.47	74.00	-11.53	30.27	3	Vertical	2	2.80	-	27.40	4.80	-
AV	2.4844G	48.65	54.00	-5.35	16.45	3	Vertical	2	2.80	-	27.40	4.80	-

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

2422MHz_TX

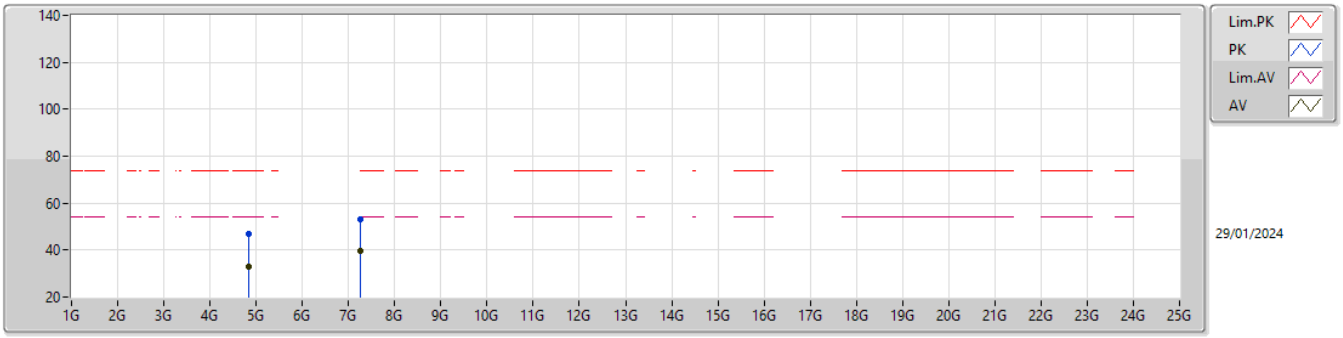


EUT Y_2TX
Setting 81
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3868G	62.16	74.00	-11.84	29.75	3	Horizontal	228	1.00	-	27.70	4.71	-
AV	2.39G	48.59	54.00	-5.41	16.18	3	Horizontal	228	1.00	-	27.70	4.71	-
PK	2.4112G	106.73	Inf	-Inf	74.40	3	Horizontal	228	1.00	-	27.60	4.73	-
AV	2.4116G	97.78	Inf	-Inf	65.45	3	Horizontal	228	1.00	-	27.60	4.73	-
PK	2.4888G	56.03	74.00	-17.97	23.83	3	Horizontal	228	1.00	-	27.40	4.80	-
AV	2.4844G	44.17	54.00	-9.83	11.97	3	Horizontal	228	1.00	-	27.40	4.80	-

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

2422MHz_TX

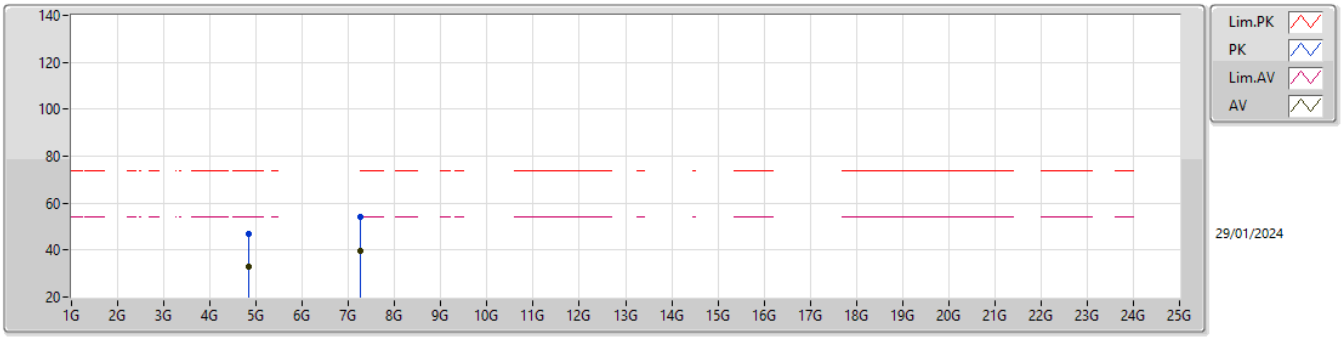


EUT Y_2TX
Setting 81
06-C-S-4

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	4.84375G	46.83	74.00	-27.17	40.21	3	Vertical	99	2.72	-	31.30	6.71	31.39
AV	4.8444G	32.87	54.00	-21.13	26.25	3	Vertical	99	2.72	-	31.30	6.71	31.39
PK	7.2656G	53.27	74.00	-20.73	40.80	3	Vertical	182	2.34	-	36.67	8.34	32.54
AV	7.266G	39.61	54.00	-14.39	27.14	3	Vertical	182	2.34	-	36.67	8.34	32.54

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

2422MHz_TX

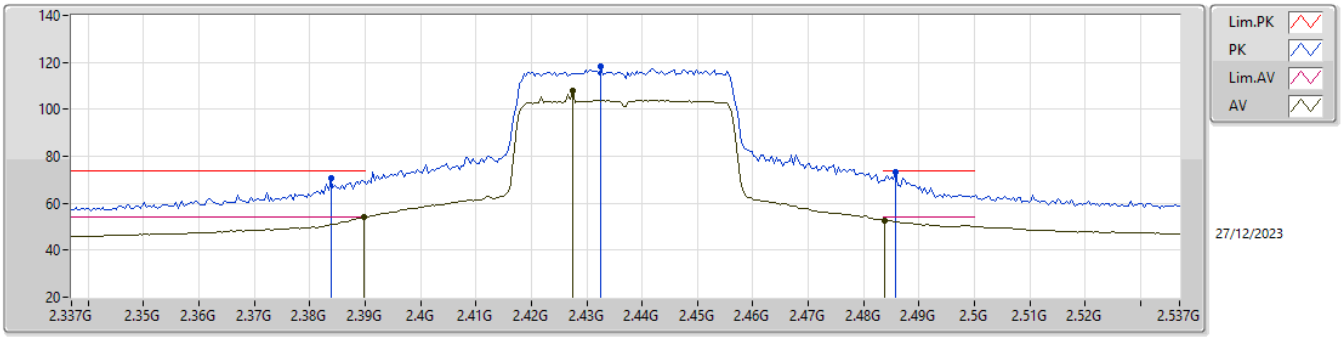


EUT Y_2TX
Setting 81
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8437G	47.10	74.00	-26.90	40.48	3	Horizontal	207	2.18	-	31.30	6.71	31.39
AV	4.84431G	32.82	54.00	-21.18	26.20	3	Horizontal	207	2.18	-	31.30	6.71	31.39
PK	7.26577G	53.98	74.00	-20.02	41.51	3	Horizontal	246	1.83	-	36.67	8.34	32.54
AV	7.26579G	39.56	54.00	-14.44	27.09	3	Horizontal	246	1.83	-	36.67	8.34	32.54

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

2437MHz_TX

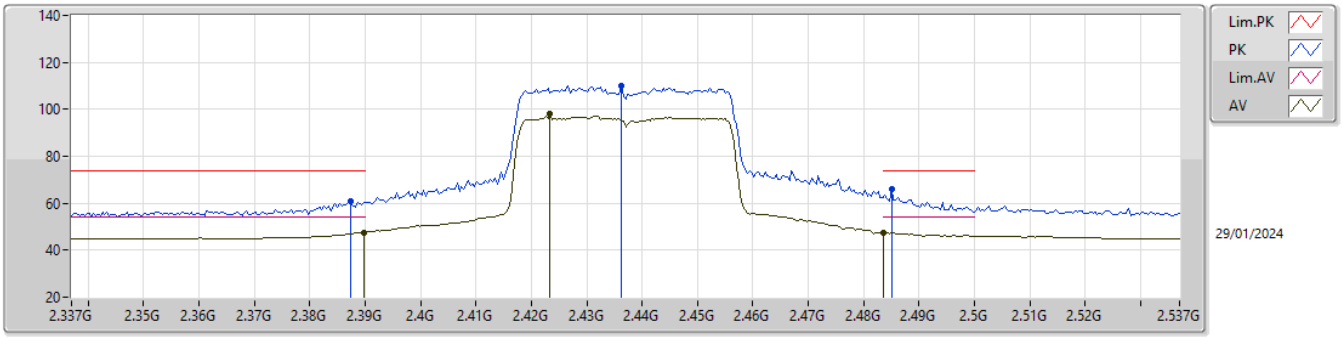


EUT Y_2TX
Setting 83
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3838G	70.59	74.00	-3.41	38.19	3	Vertical	83	1.88	-	27.70	4.70	-
AV	2.3898G	53.98	54.00	-0.02	21.57	3	Vertical	83	1.88	-	27.70	4.71	-
PK	2.4326G	118.44	Inf	-Inf	86.19	3	Vertical	83	1.88	-	27.50	4.75	-
AV	2.4274G	108.13	Inf	-Inf	75.86	3	Vertical	83	1.88	-	27.53	4.74	-
PK	2.4858G	73.31	74.00	-0.69	41.11	3	Vertical	83	1.88	-	27.40	4.80	-
AV	2.4838G	52.71	54.00	-1.29	20.51	3	Vertical	83	1.88	-	27.40	4.80	-

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

2437MHz_TX

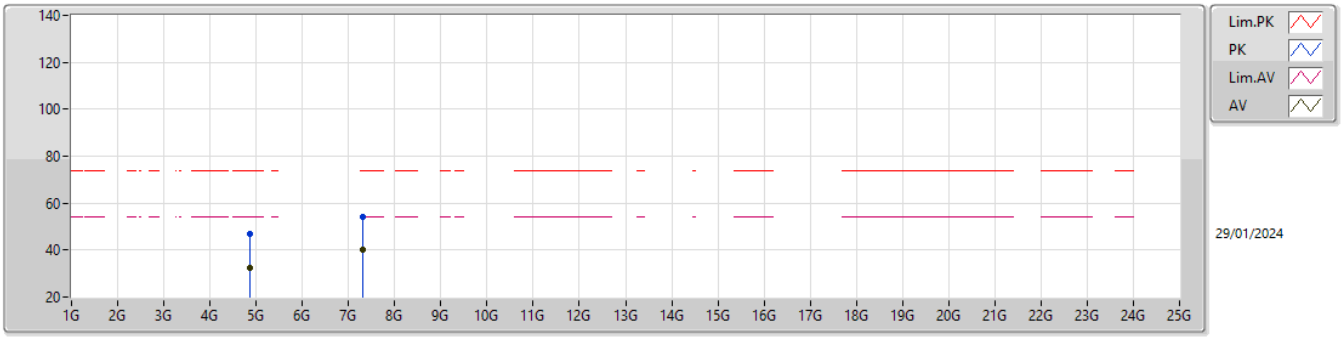


EUT Y_2TX
Setting 83
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3874G	61.04	74.00	-12.96	28.63	3	Horizontal	82	2.21	-	27.70	4.71	-
AV	2.3898G	47.66	54.00	-6.34	15.25	3	Horizontal	82	2.21	-	27.70	4.71	-
PK	2.4362G	110.03	Inf	-Inf	77.78	3	Horizontal	82	2.21	-	27.50	4.75	-
AV	2.4234G	98.30	Inf	-Inf	65.99	3	Horizontal	82	2.21	-	27.57	4.74	-
PK	2.485G	66.23	74.00	-7.77	34.03	3	Horizontal	82	2.21	-	27.40	4.80	-
AV	2.4835G	47.50	54.00	-6.50	15.30	3	Horizontal	82	2.21	-	27.40	4.80	-

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

2437MHz_TX

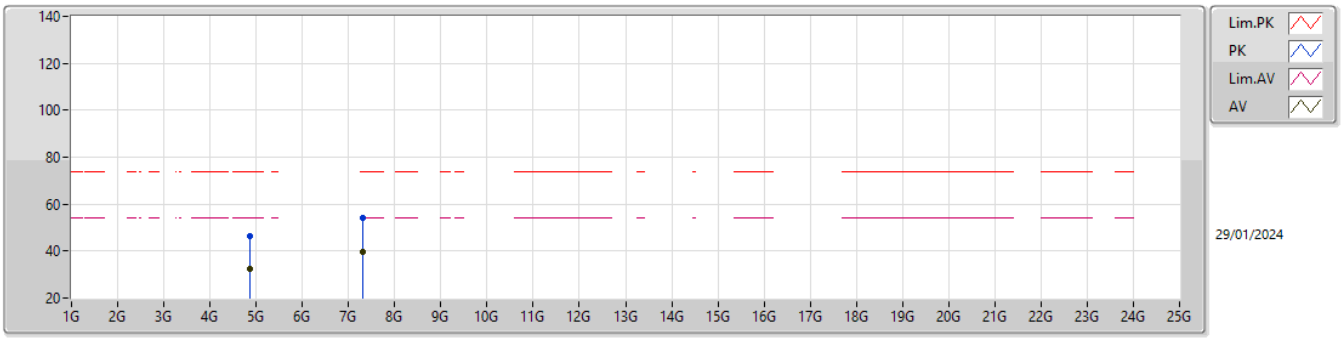


EUT Y_2TX
Setting 83
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87386G	46.73	74.00	-27.27	40.07	3	Vertical	198	2.11	-	31.30	6.73	31.37
AV	4.87448G	32.54	54.00	-21.46	25.88	3	Vertical	198	2.11	-	31.30	6.73	31.37
PK	7.31072G	53.91	74.00	-20.09	41.57	3	Vertical	321	1.16	-	36.60	8.34	32.60
AV	7.3105G	39.92	54.00	-14.08	27.58	3	Vertical	321	1.16	-	36.60	8.34	32.60

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

2437MHz_TX

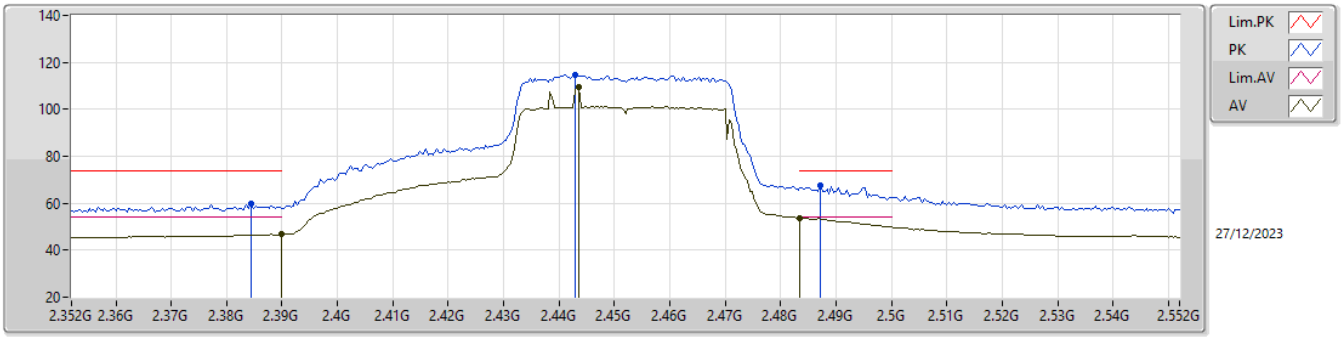


EUT Y_2TX
Setting 83
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87408G	46.37	74.00	-27.63	39.71	3	Horizontal	60	2.52	-	31.30	6.73	31.37
AV	4.87352G	32.42	54.00	-21.58	25.76	3	Horizontal	60	2.52	-	31.30	6.73	31.37
PK	7.31058G	53.91	74.00	-20.09	41.57	3	Horizontal	139	2.06	-	36.60	8.34	32.60
AV	7.31059G	39.87	54.00	-14.13	27.53	3	Horizontal	139	2.06	-	36.60	8.34	32.60

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

2452MHz_TX

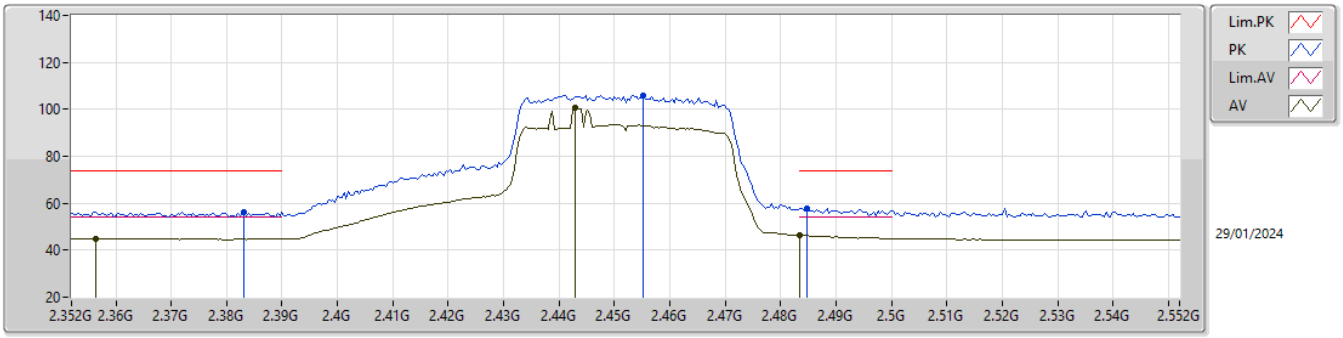


EUT Y_2TX
Setting 76
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3844G	59.67	74.00	-14.33	27.27	3	Vertical	92	2.08	-	27.70	4.70	-
AV	2.39G	46.70	54.00	-7.30	14.29	3	Vertical	92	2.08	-	27.70	4.71	-
PK	2.4428G	114.44	Inf	-Inf	82.18	3	Vertical	92	2.08	-	27.50	4.76	-
AV	2.4436G	109.29	Inf	-Inf	77.03	3	Vertical	92	2.08	-	27.50	4.76	-
PK	2.4872G	67.53	74.00	-6.47	35.33	3	Vertical	92	2.08	-	27.40	4.80	-
AV	2.4835G	53.59	54.00	-0.41	21.39	3	Vertical	92	2.08	-	27.40	4.80	-

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

2452MHz_TX

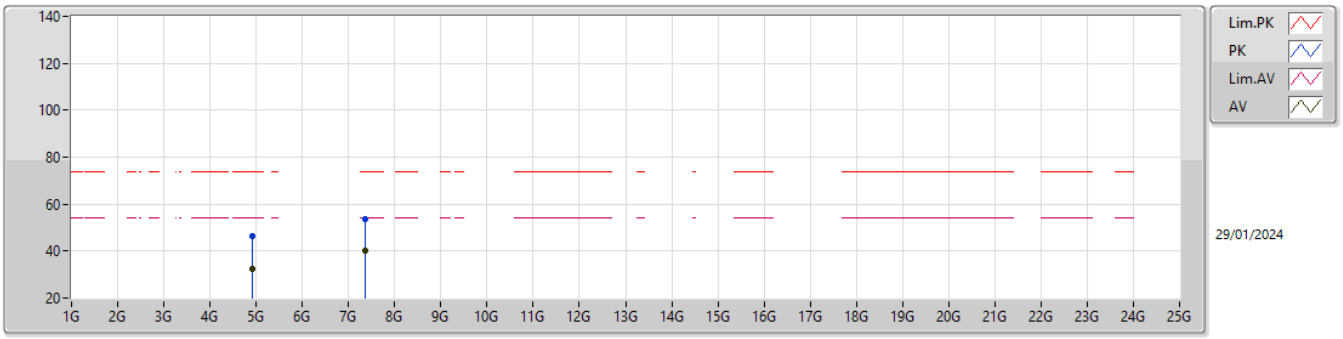


EUT Y_2TX
Setting 76
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3832G	56.36	74.00	-17.64	23.96	3	Horizontal	97	1.99	-	27.70	4.70	-
AV	2.3564G	44.76	54.00	-9.24	12.19	3	Horizontal	97	1.99	-	27.90	4.67	-
PK	2.4552G	106.08	Inf	-Inf	73.86	3	Horizontal	97	1.99	-	27.45	4.77	-
AV	2.4428G	100.85	Inf	-Inf	68.59	3	Horizontal	97	1.99	-	27.50	4.76	-
PK	2.4848G	57.71	74.00	-16.29	25.51	3	Horizontal	97	1.99	-	27.40	4.80	-
AV	2.4835G	46.31	54.00	-7.69	14.11	3	Horizontal	97	1.99	-	27.40	4.80	-

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

2452MHz_TX

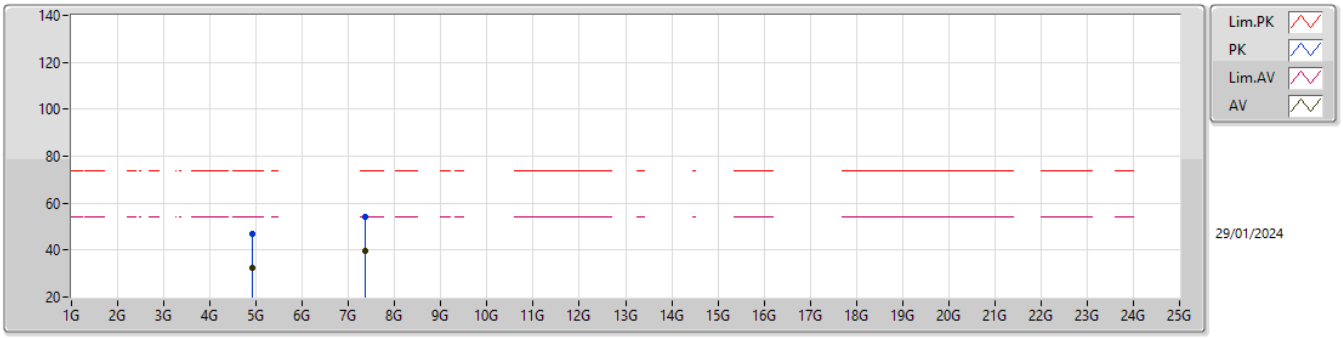


EUT Y_2TX
Setting 76
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90384G	46.25	74.00	-27.75	39.52	3	Vertical	81	2.71	-	31.32	6.76	31.35
AV	4.90439G	32.26	54.00	-21.74	25.53	3	Vertical	81	2.71	-	31.32	6.76	31.35
PK	7.35631G	53.60	74.00	-20.40	41.33	3	Vertical	348	2.00	-	36.60	8.34	32.67
AV	7.356G	39.92	54.00	-14.08	27.65	3	Vertical	348	2.00	-	36.60	8.34	32.67

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

2452MHz_TX



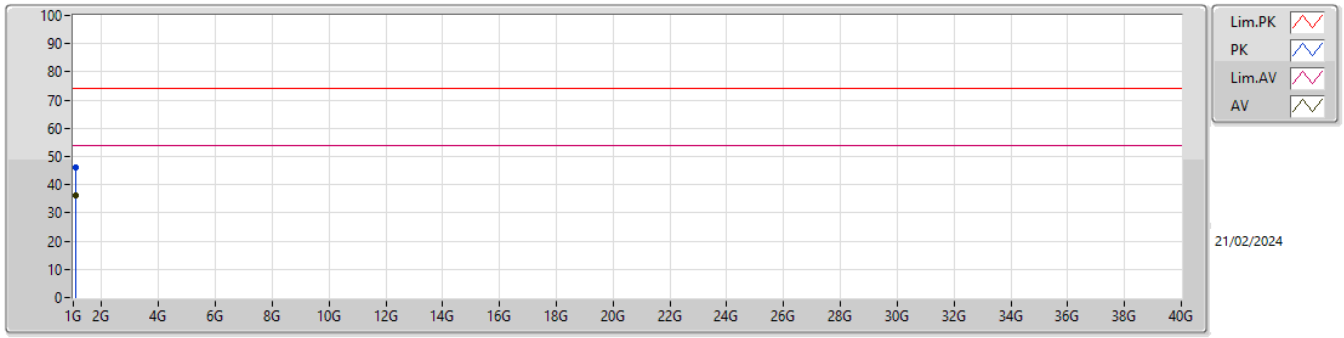
EUT Y_2TX
Setting 76
06-C-J-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90439G	46.89	74.00	-27.11	40.16	3	Horizontal	45	1.46	-	31.32	6.76	31.35
AV	4.90366G	32.21	54.00	-21.79	25.49	3	Horizontal	45	1.46	-	31.31	6.76	31.35
PK	7.35628G	53.97	74.00	-20.03	41.70	3	Horizontal	258	2.46	-	36.60	8.34	32.67
AV	7.35563G	39.85	54.00	-14.15	27.57	3	Horizontal	258	2.46	-	36.60	8.34	32.66

Summary

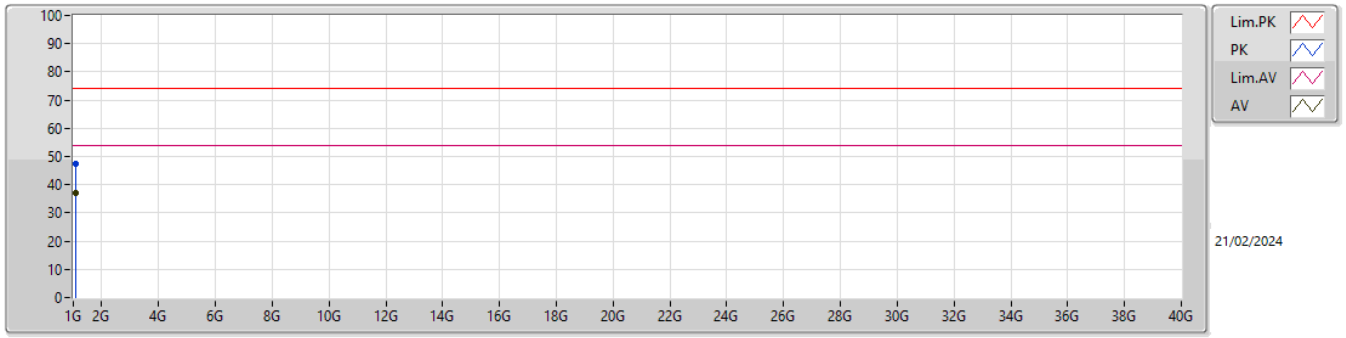
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.09742G	37.01	54.00	-16.99	Horizontal

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	1.09761G	46.05	74.00	-27.95	-8.46	3	Vertical	0	1.50	-	54.51	24.75	3.18	36.39
AV	1.09725G	36.38	54.00	-17.62	-8.47	3	Vertical	0	1.50	"Worst"	44.85	24.75	3.18	36.40

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.0972G	47.30	74.00	-26.70	-8.48	3	Horizontal	225	1.32	-	55.78	24.74	3.18	36.40
AV	1.09742G	37.01	54.00	-16.99	-8.47	3	Horizontal	225	1.32	"Worst"	45.48	24.75	3.18	36.40