



RADIO TEST REPORT

FCC ID : 2AYRA-03795
Equipment : Linksys Velop Micro-Mesh 6
Brand Name : LINKSYS
Model Name : LN1200, LN1210, LN1215
Applicant : Linksys USA, Inc.
121 Theory, Irvine, CA. 92617, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Aug. 09, 2023, and testing was started from Aug. 14, 2023 and completed on Oct. 12, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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Photographs of EUT v01



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/matrix 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: **Lavender Zeng**



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Note:

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



1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	Bluetooth					
1	2	1	-	Galtronics	02102140-07935C1	PCB Antenna	U.FL	Note 1
2	1	2	-	Galtronics	02102140-07935C2	PCB Antenna	U.FL	
3	-	-	1	Gemtek	WRTQ-387AX	Printed Antenna	N/A	

Note 1:

Ant.	Gain (dBi)					
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	Bluetooth
1	3.35	4.90	4.90	4.92	4.92	-
2	3.72	4.70	4.70	4.79	4.79	-
3	-	-	-	-	-	2.82

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

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

$g_{j,k}=(Nss1(g1,1) + Nss1(g1,2))^2$

$DG = 10 \log[(Nss1(g1,1) + Nss1(g1,2))^2 / N_{ANT}] => 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$

Where ;

2.4G G1= 3.35 dBi ; G2= 3.72 dBi ;DG= 6.55dBi

5G UNII-1 G1= 4.9 dBi ; G2= 4.7 dBi ;DG= 7.81dBi

5G UNII-2A G1= 4.9 dBi ; G2= 4.7 dBi ;DG= 7.81dBi

5G UNII-2C G1= 4.92 dBi ; G2= 4.79 dBi ;DG= 7.87dBi

5G UNII-3 G1= 4.92 dBi ; G2= 4.79 dBi ;DG= 7.87dBi



Note 4: For 2.4GHz function:

For IEEE 802.11b/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 802.11a/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 Bluetooth function:

For Bluetooth mode (1TX/1RX):

Only Port 1 can be use as transmit and receive antenna.

1.1.3 Mode Test Duty Cycle

Table with 5 columns: Mode, DC, DCF(dB), T(s), VBW(Hz) ≥ 1/T. Rows include 802.11b, 802.11g, 802.11ax HEW20, 802.11ax HEW20-BF, 802.11ax HEW40, 802.11ax HEW40-BF.

Note:

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

1.1.4 EUT Operational Condition

Table with 2 columns: EUT Power Type, Beamforming Function, Function, Support RU, Test Software Version. Includes checkboxes for beamforming and RU support.

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Table with 2 columns: Model Name, Description. Lists models LN1200, LN1210, LN1215 with a note that they are identical.

Note 1: From the above models, model: LN1200 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.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Nyle Chang	24.2-25.3 / 57-69	Aug. 14, 2023 ~ Sep. 26, 2023
Radiated (Below 1GHz)	03CH01-CB	Mark Hsu	22.4-23.5 / 55-58	Aug. 15, 2023 ~ Oct. 12, 2023
Radiated (Above 1GHz and Radiated Emission Co-location)	03CH04-CB	Mark Hsu	22-23 / 56-59	Aug. 15, 2023 ~ Oct. 12, 2023
AC Conduction	CO01-CB	Elvin Yeh	22~23 / 55~56	Sep. 28, 2023

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	21
2437MHz	19
2462MHz	21
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17
2417MHz	19.5
2437MHz	21.5
2457MHz	18.5
2462MHz	18
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	17
2417MHz	18.5
2437MHz	20.5
2457MHz	18.5
2462MHz	17
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	15
2437MHz	17
2452MHz	15
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-
2412MHz	14
2417MHz	15
2437MHz	23
2457MHz	16
2462MHz	16
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-
2422MHz	14
2427MHz	14
2437MHz	17
2447MHz	17
2452MHz	16

Note:

- ♦ Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- ♦ The beamforming mode supports MCS3~9 for VHT and MCS3~11 for ax in 2.4GHz.



2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
Afrer evaluating, "Z axis" generated the worst test result, so the measurement will follow this same test configuration.	
1	EUT in Z axis + WLAN 2.4GHz + Adapter 1
2	EUT in Z axis + WLAN 2.4GHz + Adapter 2
3	EUT in Z axis + WLAN 2.4GHz + Adapter 3
Mode 1 ha been evaluated to be the worst case between Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT in Z axis + WLAN 5GHz + Adapter 1
5	EUT in Z axis + Bluetooth + Adapter 1
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
Afrer evaluating, "Z axis" generated the worst test result, so the measurement will follow this same test configuration.	
1	EUT in Z 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, "Z axis" generated the worst test result, so the measurement will follow this same test configuration.	
1	EUT in Z 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	Bluetooth + WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA380908 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 10 were executed.

The program was executed as follows:

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

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Power	Brand	Model	Rating
Adapter 1 (Fixed plug)	Ktec	KSA-18W-050300VU	Input: 100-240V ~ 50/60Hz, 0.5A Output: 5.0V, 3.0A
Adapter 2 (Fixed plug)	MOSO	MSA-C3000IC5.0-18P-US	Input: 100-240V ~ 50/60Hz, 0.7A max. Output: 5.0V, 3A
Adapter 3 (Removable plug)	Ktec	KSA-18W-050300D5	Input: 100-240V ~ 50/60Hz, 0.5A Output: 5.0V, 3.0A, 15.0W
Others			
Plug*1 (for Adapter 3 use)			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Device AP	LINKSYS	ELM	N/A
B	Device NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	Smart phone	Samsung	Galaxy J2	N/A

For RF Conducted (Non-beamforming mode) and 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
B	Test Fixture	Linksys	ESK-B21-7400R	N/A
C	Test Fixture	Linksys	N/A	N/A

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

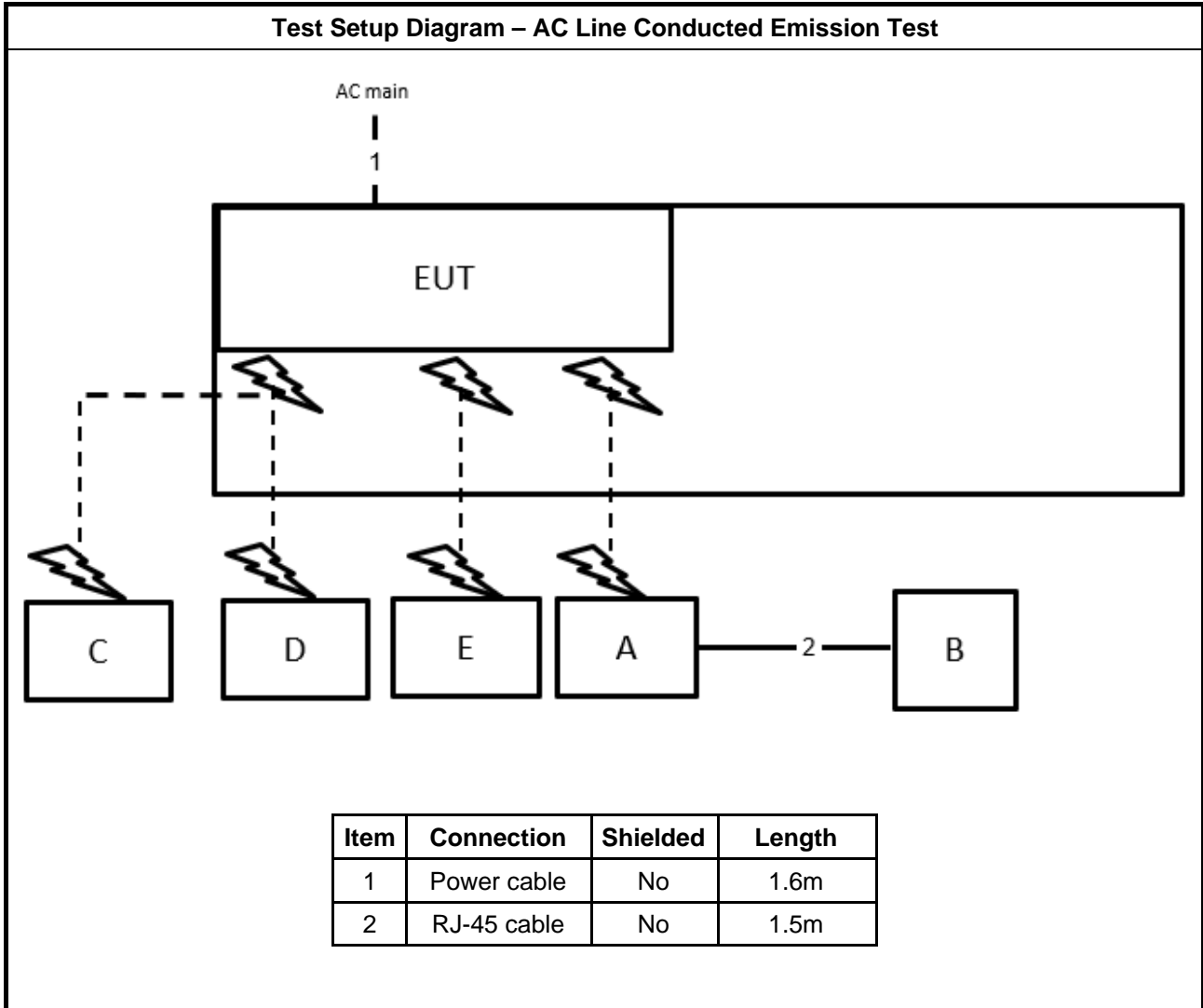
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Test Fixture	Linksys	ESK-B21-7400R	N/A
C	Test Fixture	Linksys	N/A	N/A
D	WLAN module	Intel	AX210NGW	PD9AX210NG
E	NB	DELL	E6230	N/A



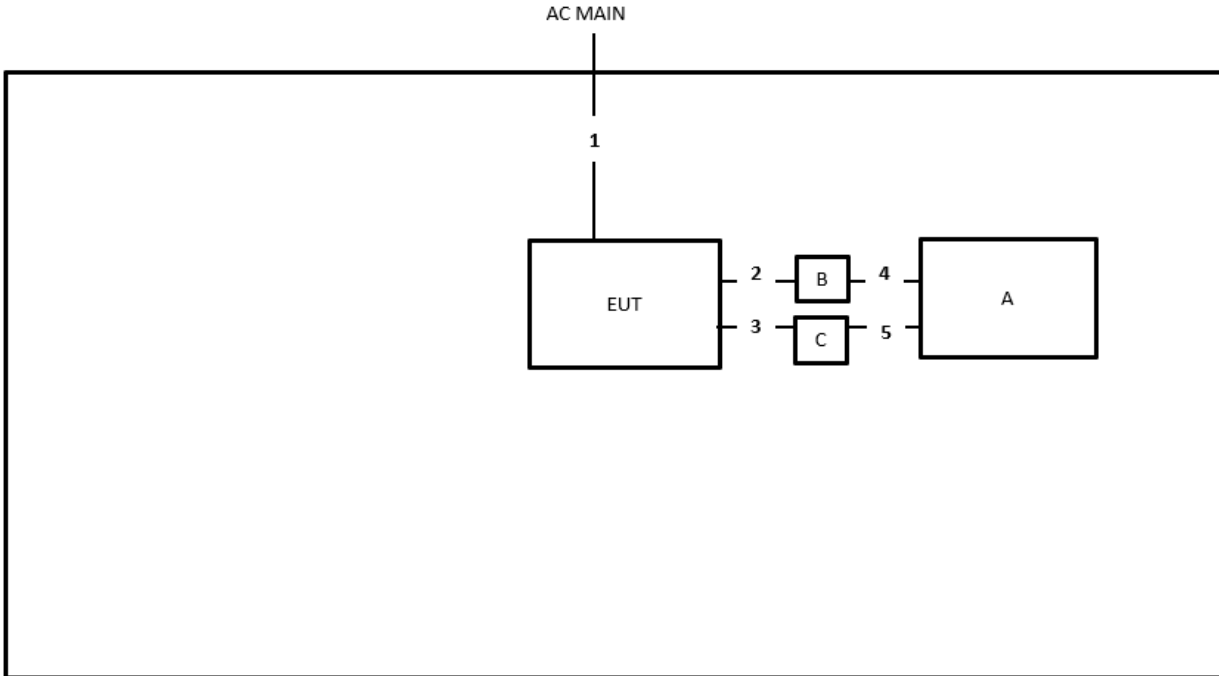
For RF Conducted (Beamforming mode):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG
D	Test Fixture	Linksys	ESK-B21-7400R	N/A
E	Test Fixture	Linksys	N/A	N/A

2.6 Test Setup Diagram

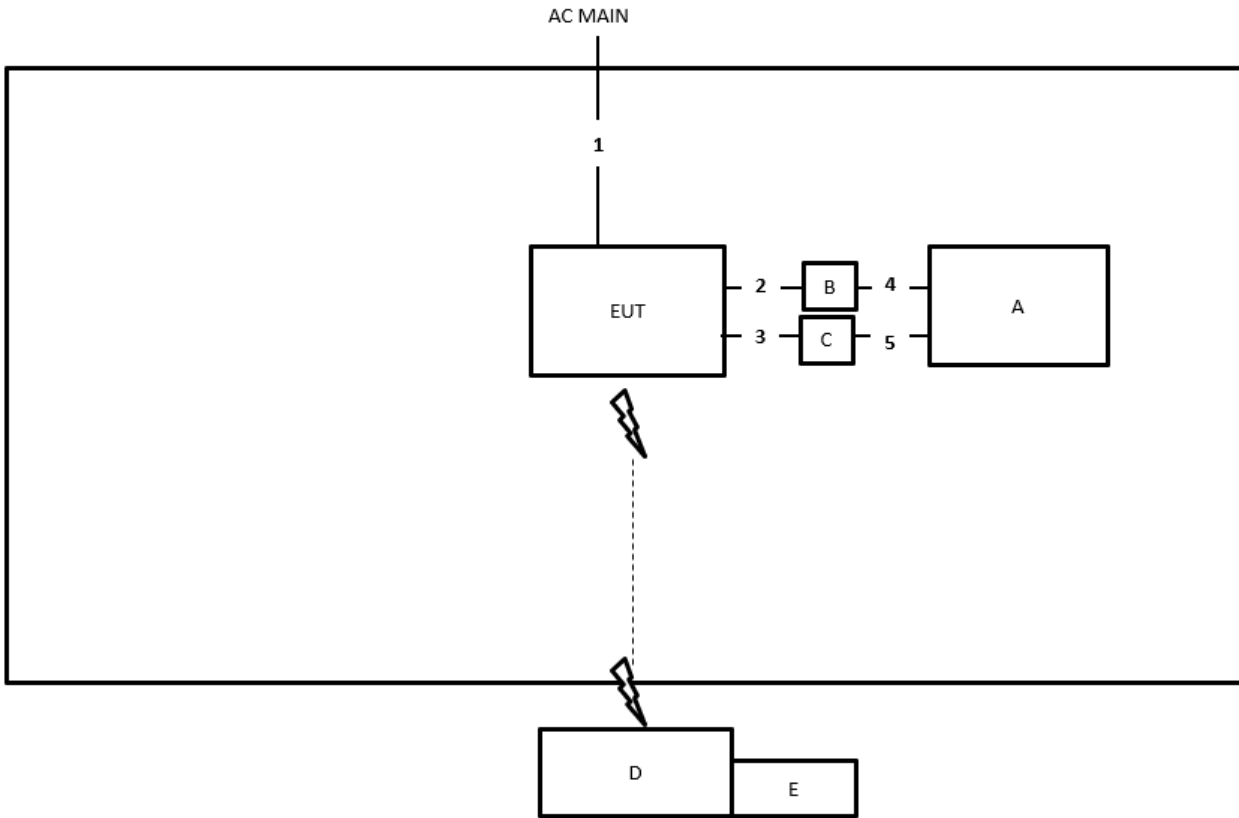


Test Setup Diagram - Radiated Test < 1GHz and Radiated Test > 1GHz (Non-beamforming mode)



Item	Connection	Shielded	Length
1	Power cable	No	1.6m
2	Console cable	No	0.03m
3	Console cable	No	0.03m
4	RJ-45 cable	No	1m
5	USB cable	Yes	1m

Test Setup Diagram - Radiated Test > 1GHz (Beamforming mode)



Item	Connection	Shielded	Length
1	Power cable	No	1.6m
2	Console cable	No	0.03m
3	Console cable	No	0.03m
4	RJ-45 cable	No	1m
5	USB cable	Yes	1m



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.

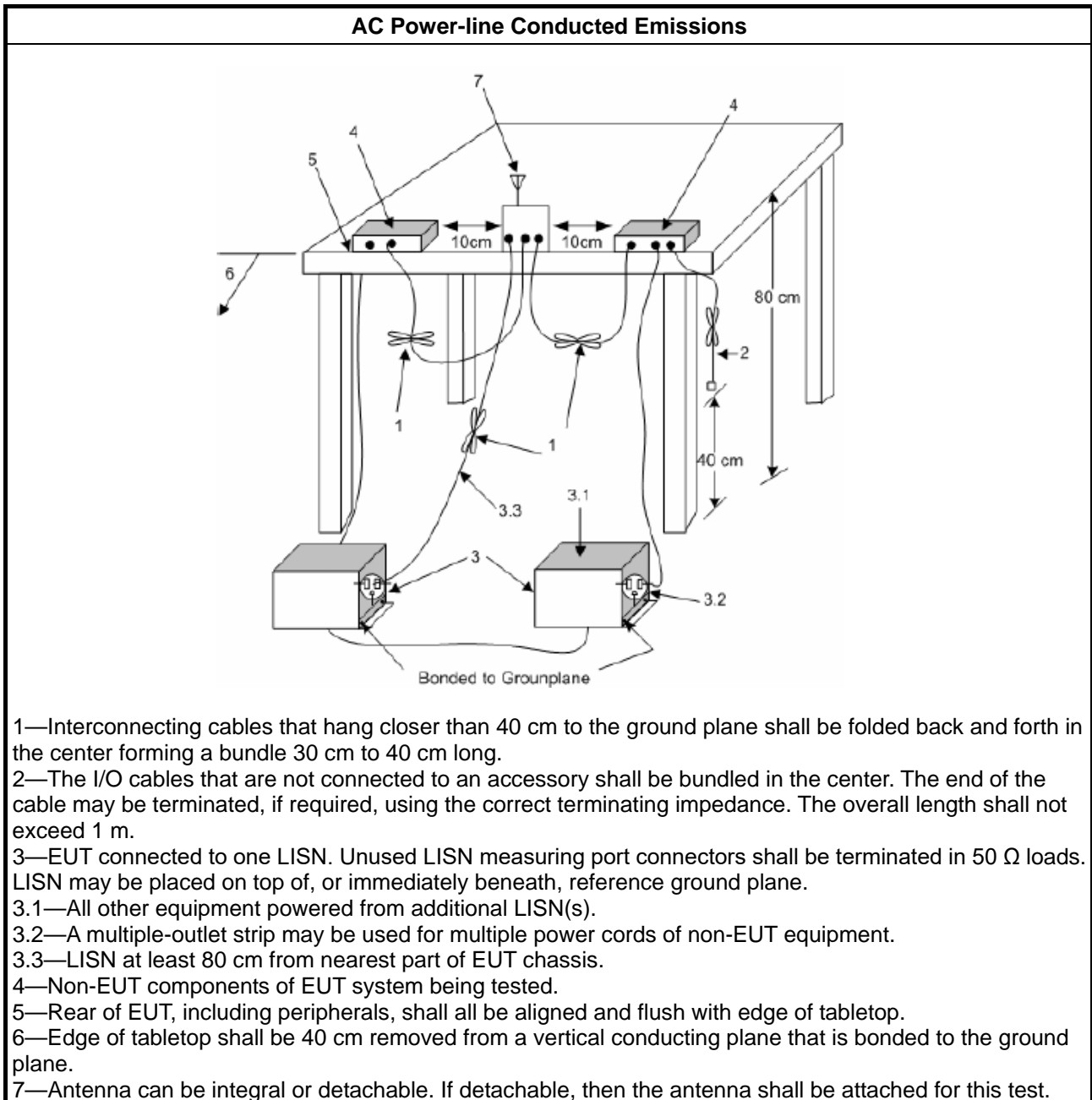
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

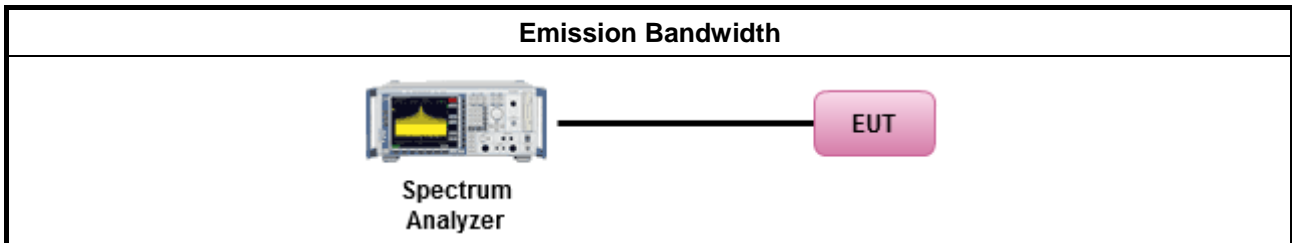
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
<p>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

3.3.2 Measuring Instruments

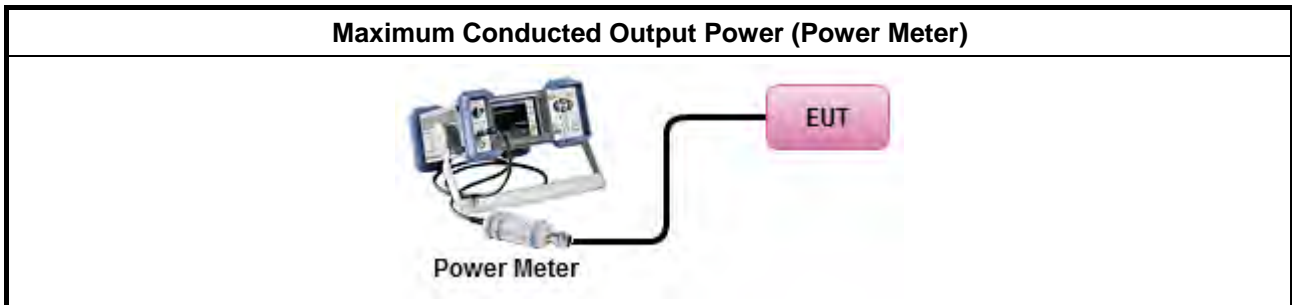
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> 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	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> 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)	
	<input type="checkbox"/> 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).
	<input checked="" type="checkbox"/> 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).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

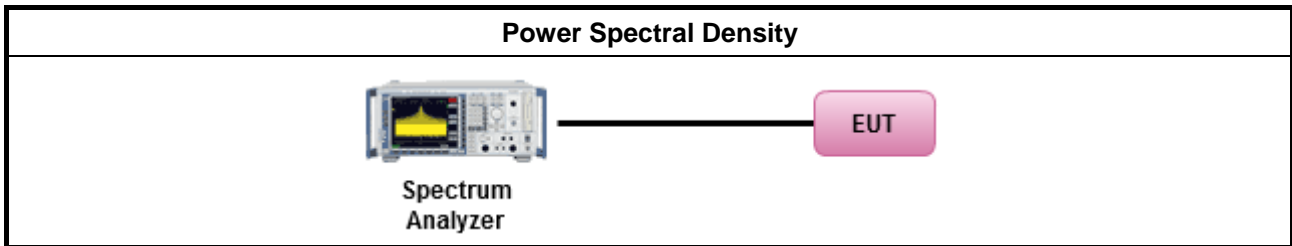
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
<ul style="list-style-type: none"> 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). 			
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.			
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <table border="1"> <tbody> <tr> <td> <input checked="" type="checkbox"/> 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. </td> </tr> <tr> <td> <input type="checkbox"/> 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, </td> </tr> <tr> <td> <input type="checkbox"/> 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. </td> </tr> </tbody> </table> 	<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> 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,	<input type="checkbox"/> 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.
<input checked="" type="checkbox"/> 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.			
<input type="checkbox"/> 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,			
<input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.			

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

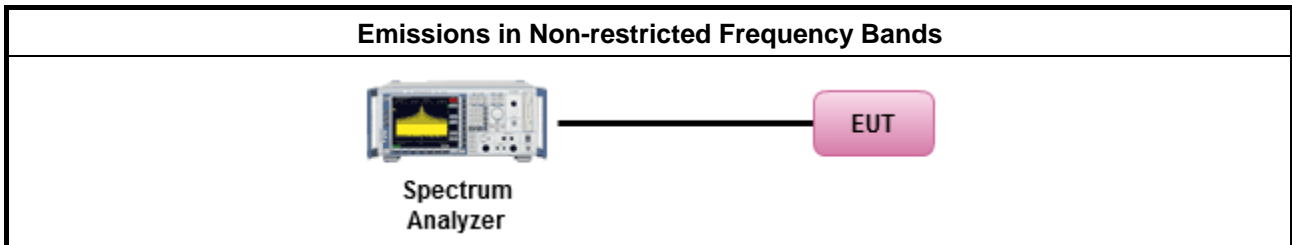
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

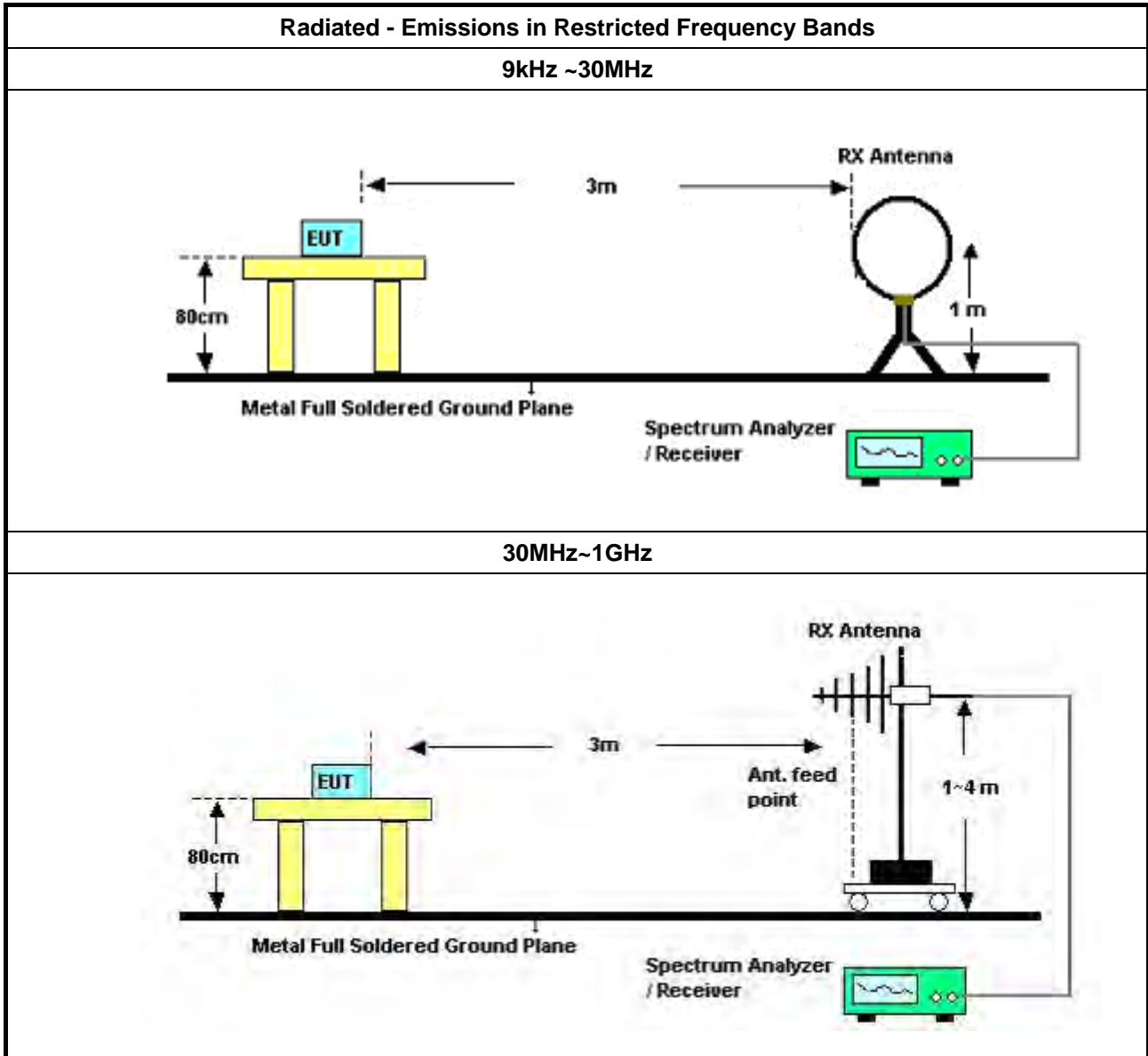
Refer a test equipment and calibration data table in this test report.

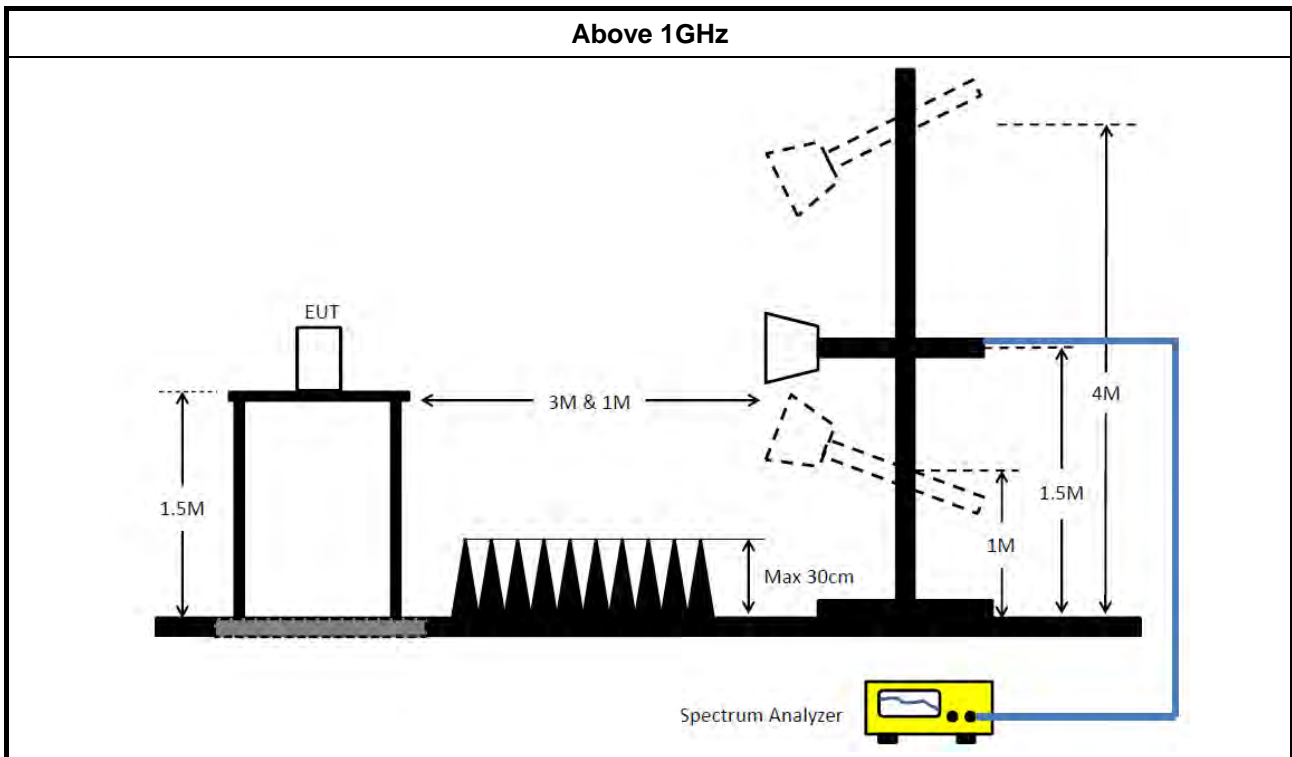


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ 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
	<ul style="list-style-type: none"> ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 16, 2023	Jan. 15, 2024	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMC1	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 19, 2023	Feb. 18, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jun. 23, 2023	Jun. 22, 2024	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

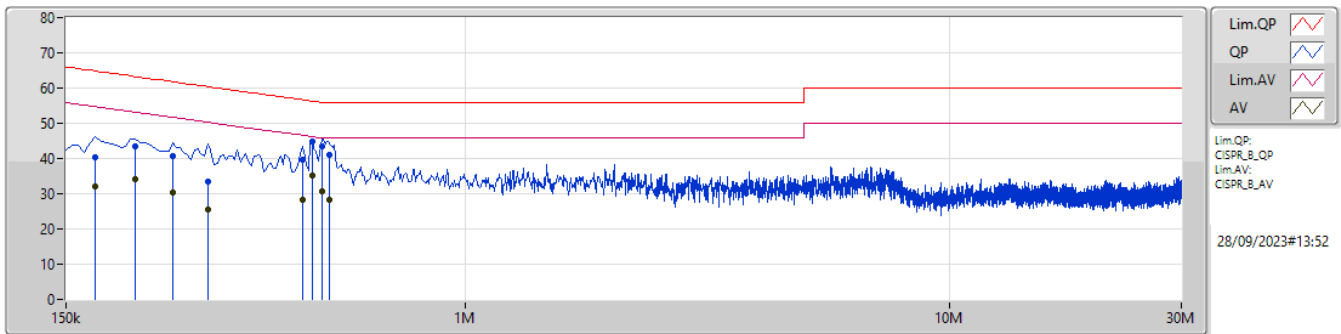
N.C.R means Non-Calibration required.



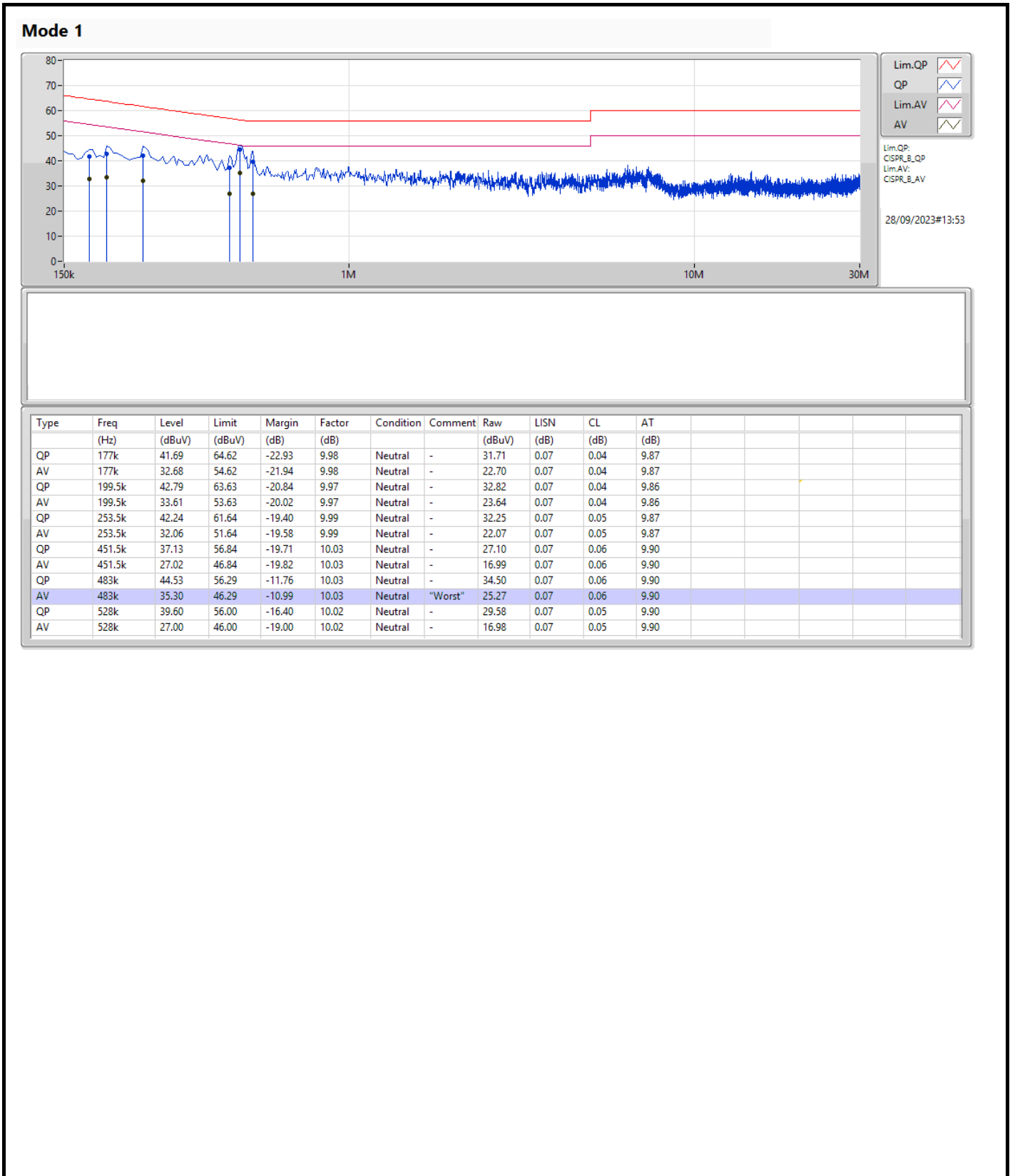
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	483k	35.30	46.29	-10.99	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	172.5k	40.50	64.83	-24.33	10.00	Line	-	30.50	0.09	0.04	9.87
AV	172.5k	32.06	54.83	-22.77	10.00	Line	-	22.06	0.09	0.04	9.87
QP	208.5k	43.57	63.27	-19.70	9.98	Line	-	33.59	0.08	0.04	9.86
AV	208.5k	34.19	53.27	-19.08	9.98	Line	-	24.21	0.08	0.04	9.86
QP	249k	40.59	61.79	-21.20	10.00	Line	-	30.59	0.08	0.05	9.87
AV	249k	30.28	51.79	-21.51	10.00	Line	-	20.28	0.08	0.05	9.87
QP	294k	33.31	60.42	-27.11	10.02	Line	-	23.29	0.09	0.05	9.88
AV	294k	25.53	50.42	-24.89	10.02	Line	-	15.51	0.09	0.05	9.88
QP	460.5k	39.75	56.69	-16.94	10.05	Line	-	29.70	0.09	0.06	9.90
AV	460.5k	28.30	46.69	-18.39	10.05	Line	-	18.25	0.09	0.06	9.90
QP	483k	44.71	56.29	-11.58	10.05	Line	-	34.66	0.09	0.06	9.90
AV	483k	35.26	46.29	-11.03	10.05	Line	"Worst"	25.21	0.09	0.06	9.90
QP	505.5k	43.50	56.00	-12.50	10.05	Line	-	33.45	0.10	0.05	9.90
AV	505.5k	30.75	46.00	-15.25	10.05	Line	-	20.70	0.10	0.05	9.90
QP	523.5k	40.87	56.00	-15.13	10.05	Line	-	30.82	0.10	0.05	9.90
AV	523.5k	28.17	46.00	-17.83	10.05	Line	-	18.12	0.10	0.05	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	8.05M	13.043M	13M0G1D	7.125M	12.969M
802.11g_Nss1,(6Mbps)_2TX	16.1M	16.382M	16M4D1D	13.45M	16.25M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.9M	18.916M	18M9D1D	15.575M	18.741M
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	19.075M	19.11M	19M1D1D	10.775M	18.723M
802.11ax HEW40_Nss1,(MCS0)_2TX	36.9M	37.631M	37M6D1D	31.85M	37.381M
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	38.05M	37.778M	37M8D1D	29.25M	37.408M

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	7.125M	13.013M	7.8M	12.999M
2437MHz	Pass	500k	7.275M	13.043M	8.05M	13.028M
2462MHz	Pass	500k	7.55M	12.969M	8.05M	13.043M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.45M	16.272M	15.275M	16.294M
2437MHz	Pass	500k	16.1M	16.36M	15.65M	16.382M
2462MHz	Pass	500k	15.25M	16.25M	13.8M	16.316M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.575M	18.866M	17.25M	18.916M
2437MHz	Pass	500k	17.875M	18.841M	18.9M	18.841M
2462MHz	Pass	500k	18.475M	18.766M	16.5M	18.741M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.1M	37.481M	35.5M	37.431M
2437MHz	Pass	500k	35.7M	37.381M	31.85M	37.381M
2452MHz	Pass	500k	36.9M	37.631M	33.35M	37.481M
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.775M	18.723M	17M	18.83M
2437MHz	Pass	500k	18.925M	19.11M	13.9M	18.84M
2462MHz	Pass	500k	18.65M	18.738M	19.075M	18.954M
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	32.65M	37.446M	38.05M	37.778M
2437MHz	Pass	500k	33.7M	37.778M	29.25M	37.408M
2452MHz	Pass	500k	34.15M	37.629M	32.8M	37.736M

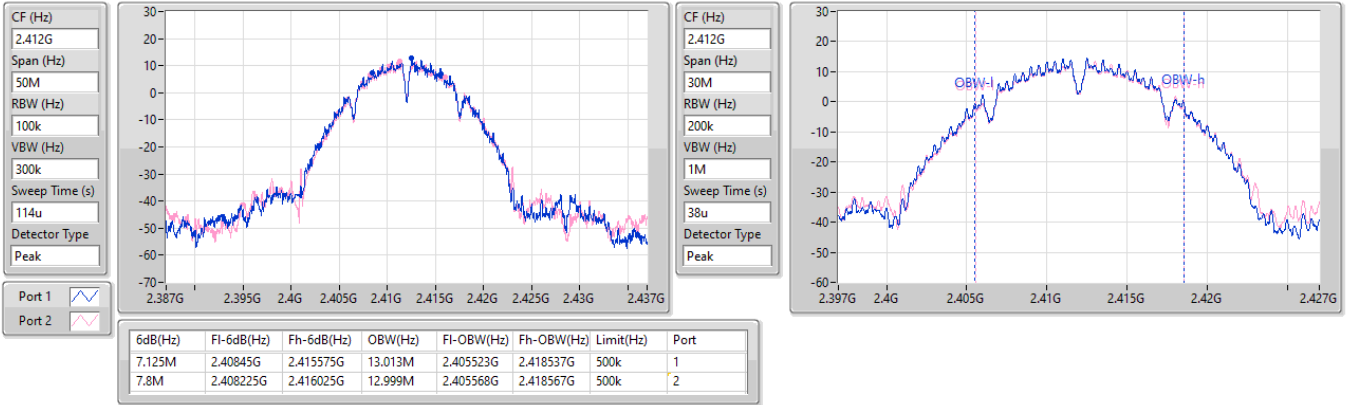
Port X-N dB = Port X 6dB down bandwidth:
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

08/09/2023

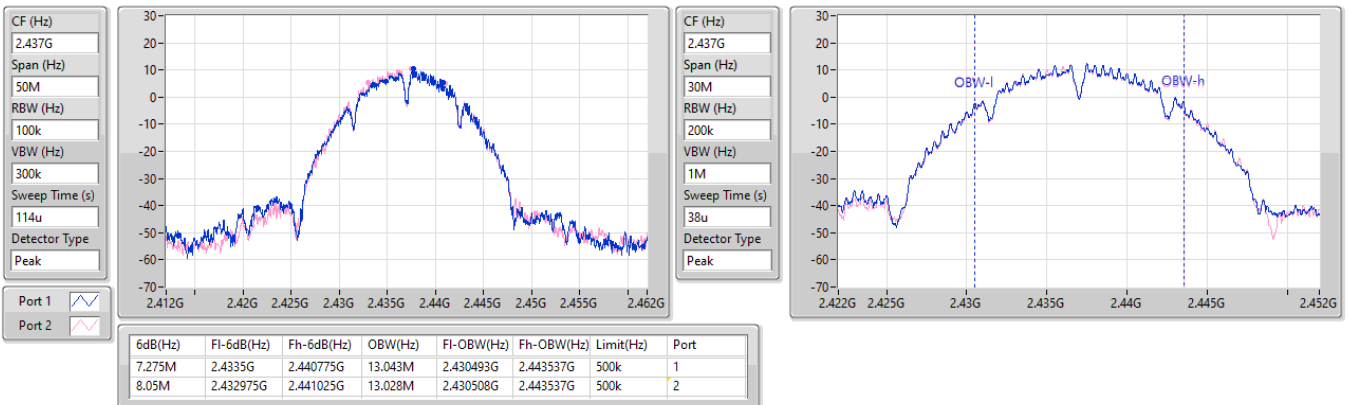


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

08/09/2023

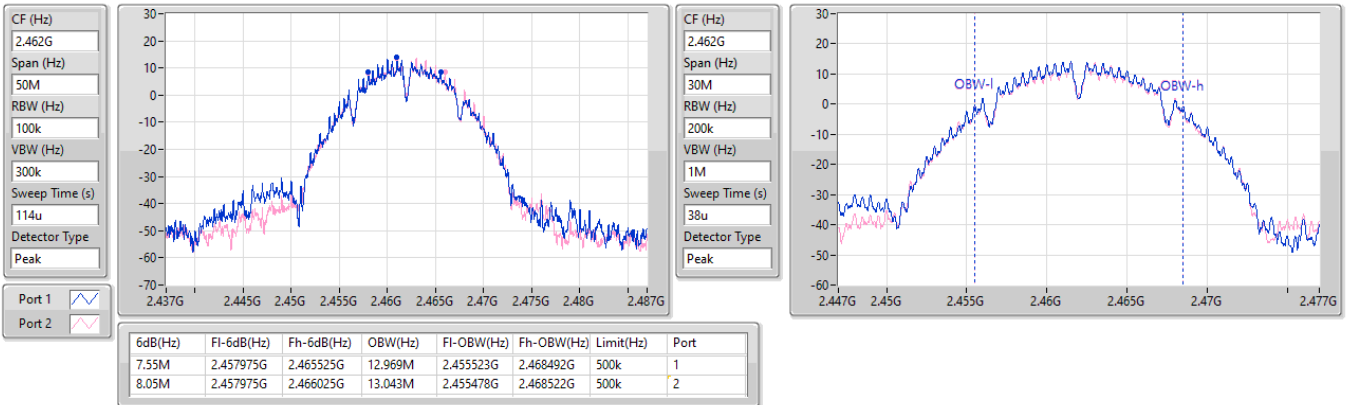


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

08/09/2023

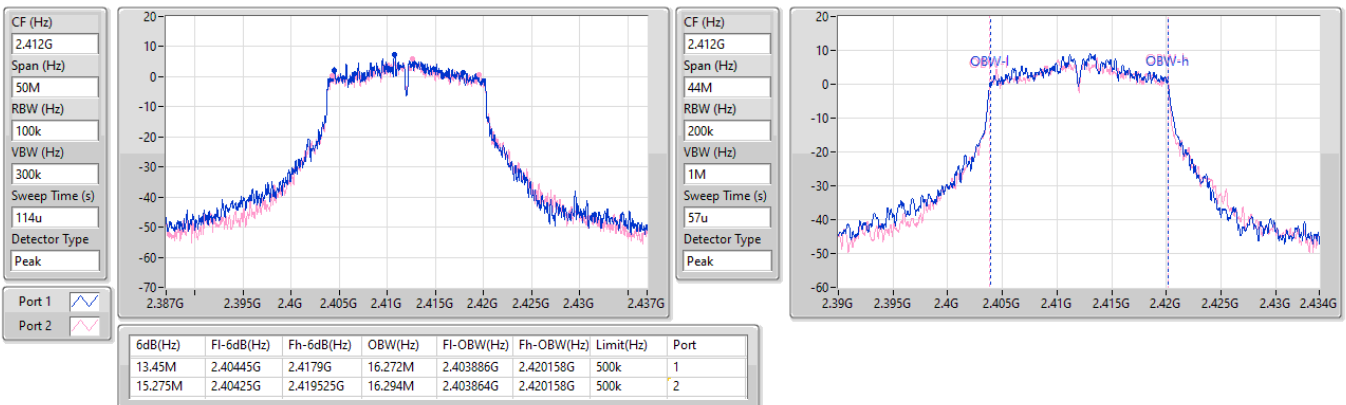


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

08/09/2023

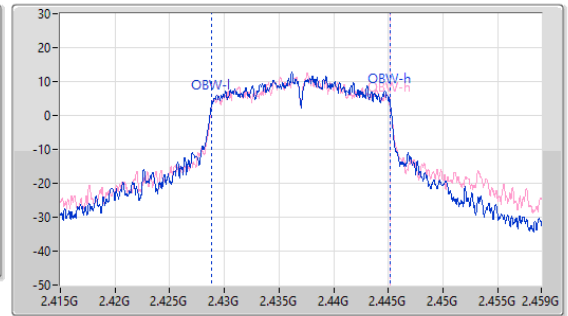
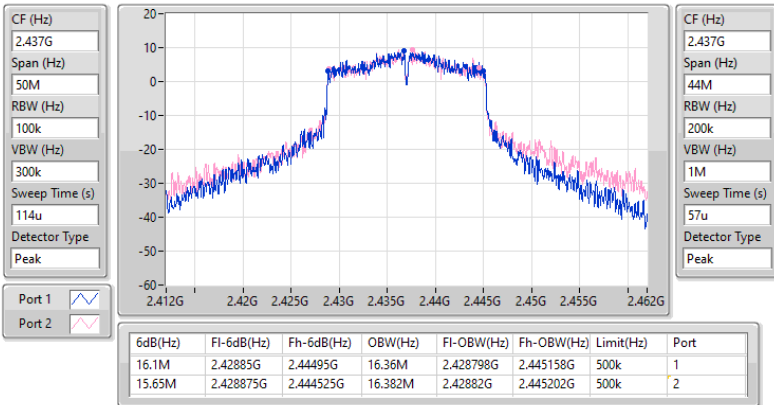


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

08/09/2023

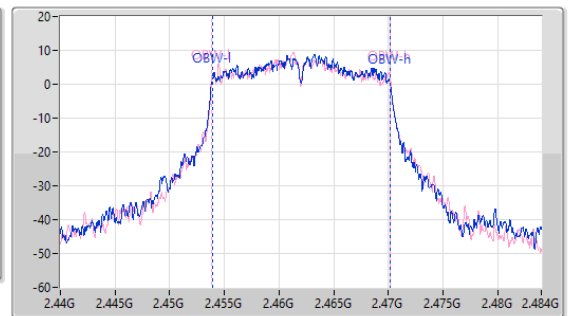
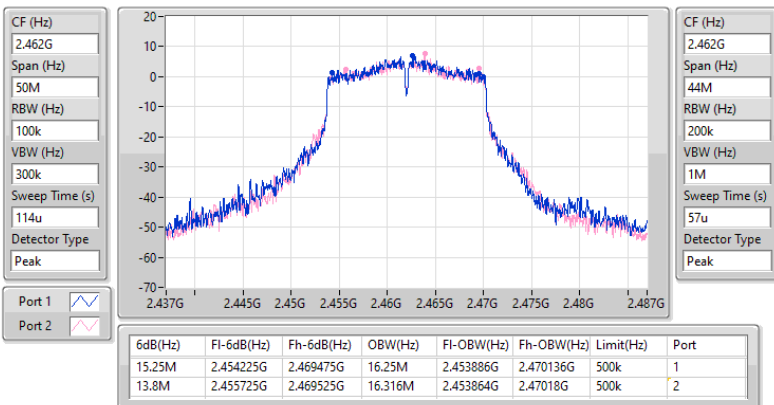


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

08/09/2023

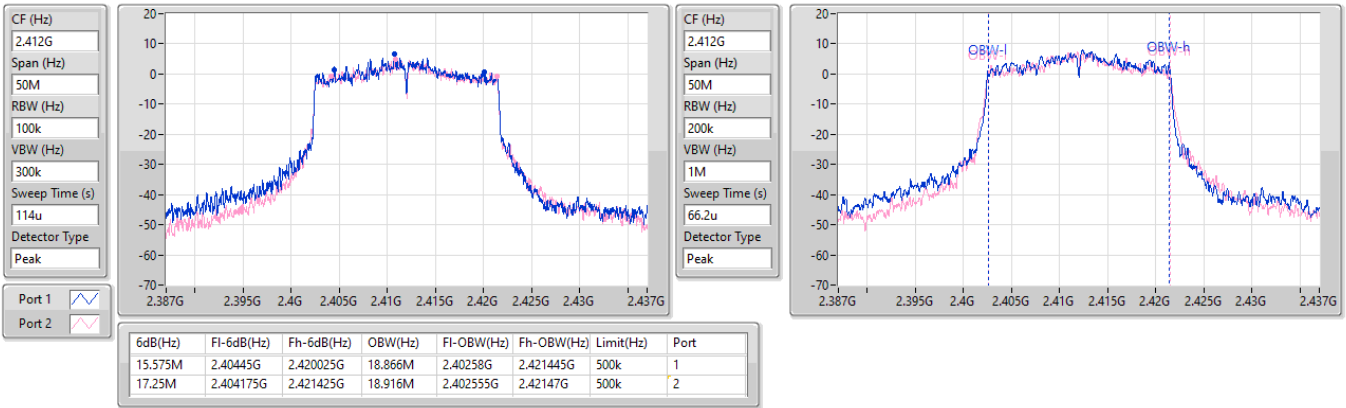


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

08/09/2023

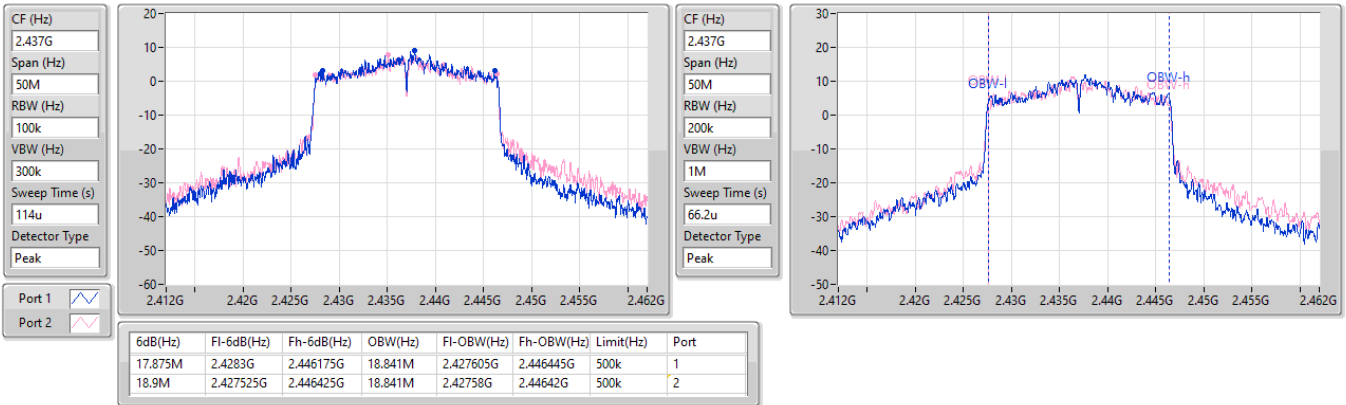


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

08/09/2023

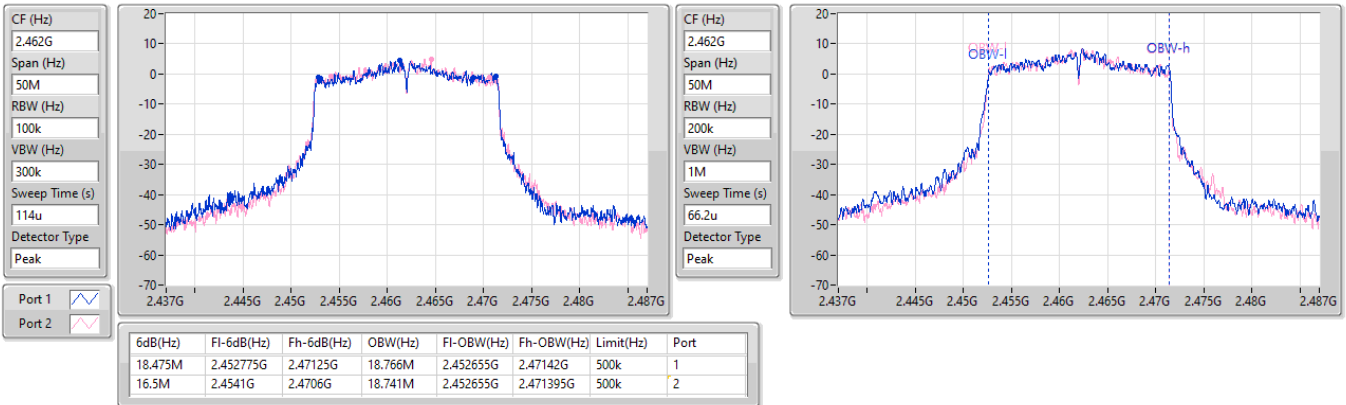


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

08/09/2023

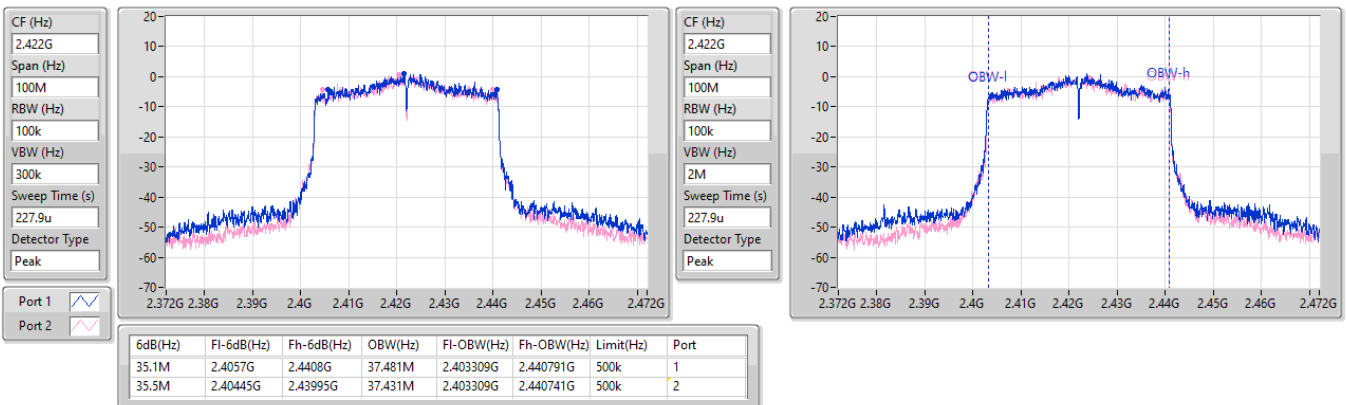


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

08/09/2023

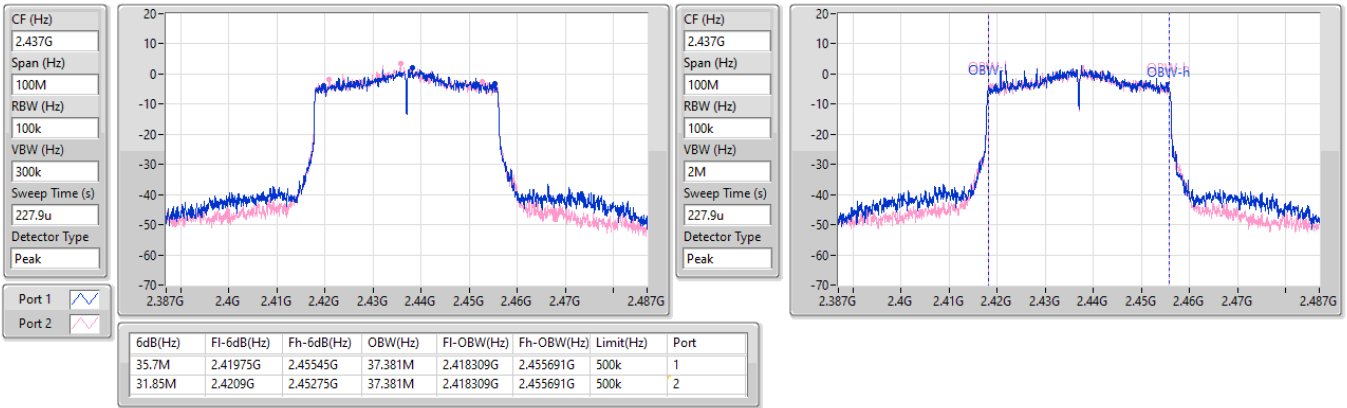


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

08/09/2023

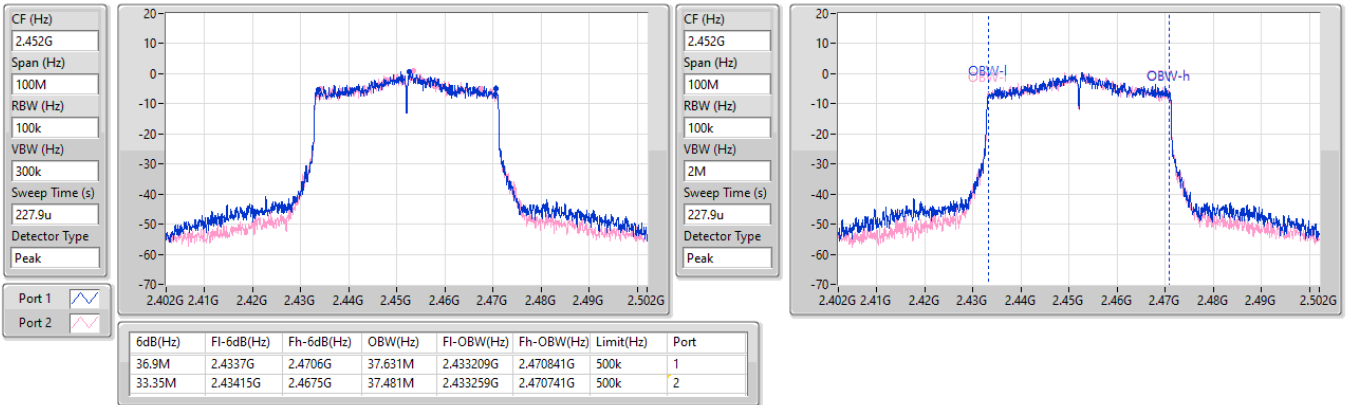


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

08/09/2023

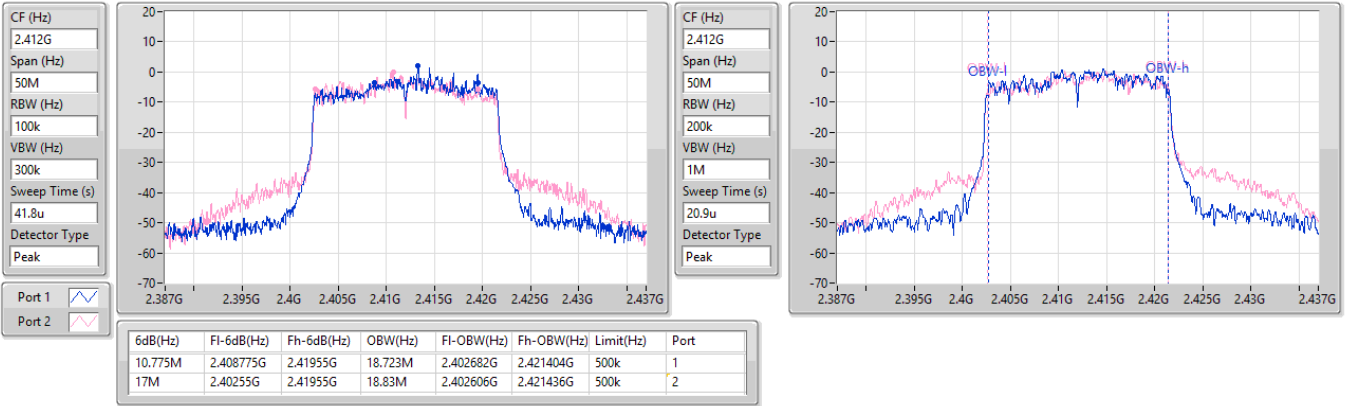


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

EBW

2412MHz

19/09/2023

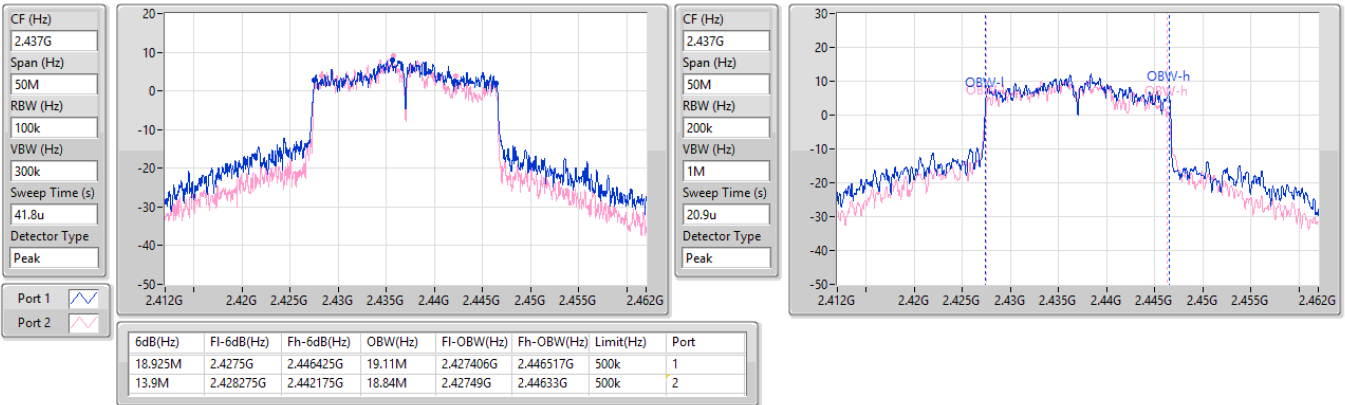


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

EBW

2437MHz

19/09/2023

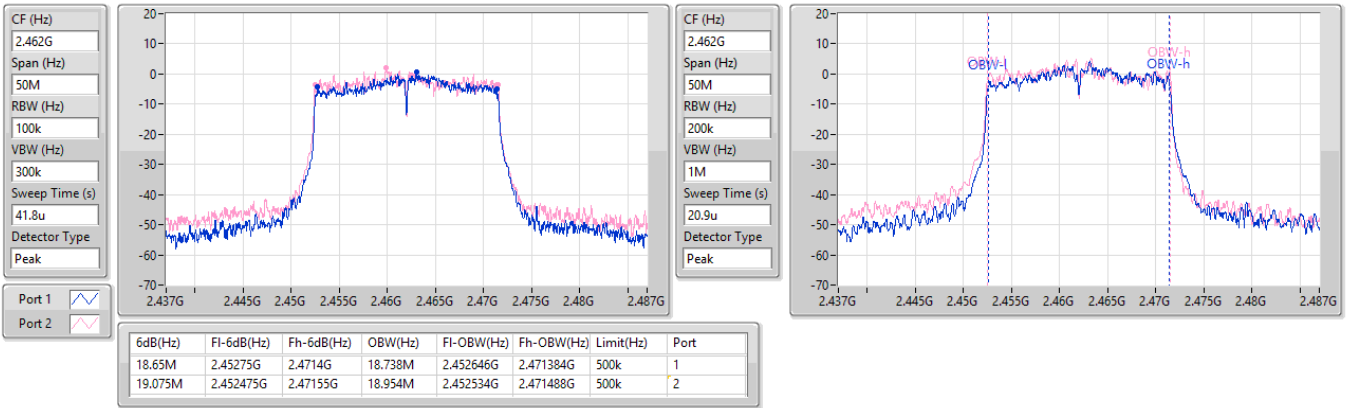


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

EBW

2462MHz

19/09/2023

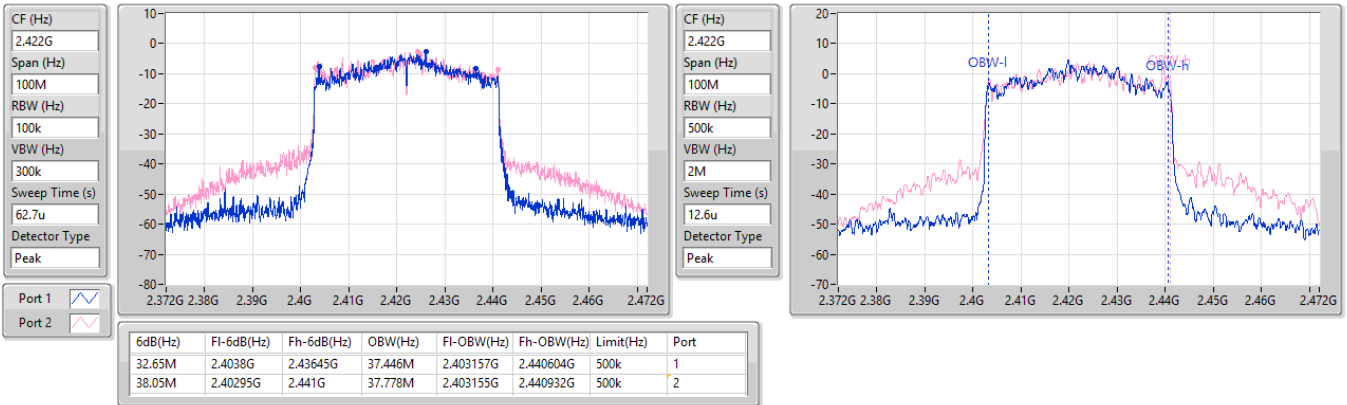


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

EBW

2422MHz

19/09/2023

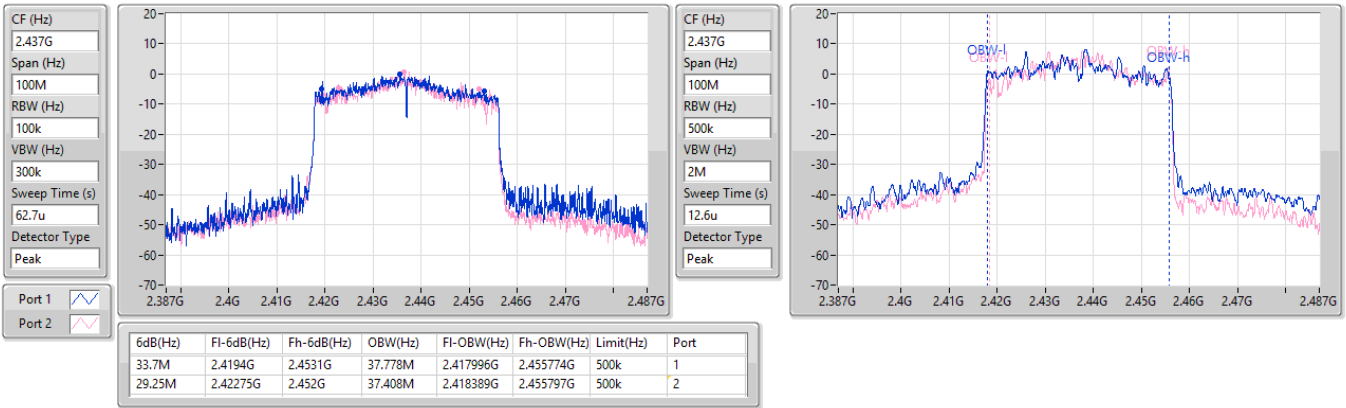


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

EBW

2437MHz

19/09/2023

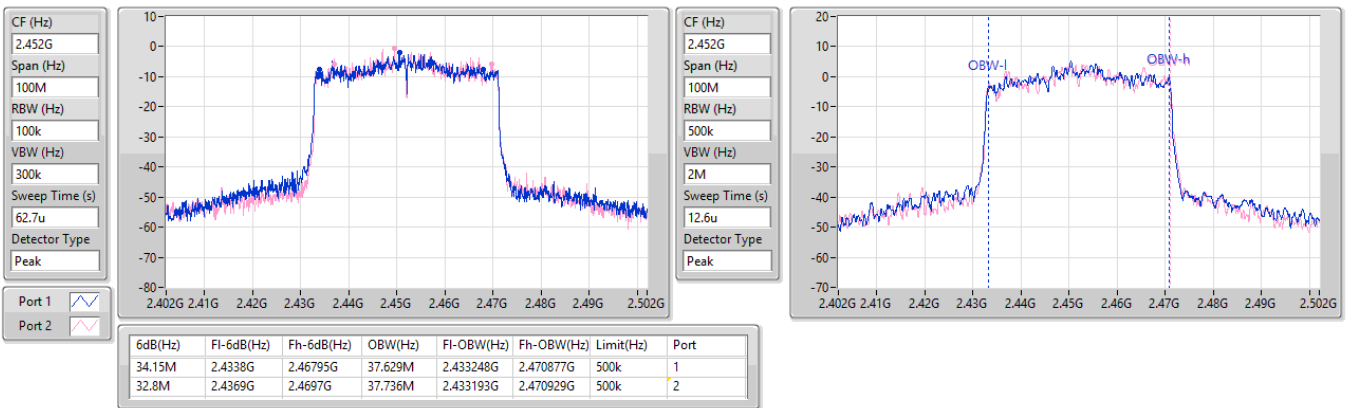


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

EBW

2452MHz

19/09/2023





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.08	0.25586
802.11g_Nss1,(6Mbps)_2TX	24.33	0.27102
802.11ax HEW20_Nss1,(MCS0)_2TX	23.41	0.21928
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	23.64	0.23121
802.11ax HEW40_Nss1,(MCS0)_2TX	20.26	0.10617
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	17.22	0.05272



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.72	21.27	20.87	24.08	30.00
2437MHz	Pass	3.72	19.37	19.17	22.28	30.00
2462MHz	Pass	3.72	21.12	20.87	24.01	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.72	17.64	17.12	20.40	30.00
2417MHz	Pass	3.72	19.97	19.46	22.73	30.00
2437MHz	Pass	3.72	21.46	21.17	24.33	30.00
2457MHz	Pass	3.72	18.78	18.64	21.72	30.00
2462MHz	Pass	3.72	18.44	18.08	21.27	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.72	17.48	16.95	20.23	30.00
2417MHz	Pass	3.72	18.85	18.41	21.65	30.00
2437MHz	Pass	3.72	20.50	20.30	23.41	30.00
2457MHz	Pass	3.72	18.71	18.52	21.63	30.00
2462MHz	Pass	3.72	17.33	17.09	20.22	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.72	15.56	15.14	18.37	30.00
2437MHz	Pass	3.72	17.29	17.20	20.26	30.00
2452MHz	Pass	3.72	15.26	15.03	18.16	30.00
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	11.28	10.89	14.10	29.45
2417MHz	Pass	6.55	12.52	12.34	15.44	29.45
2437MHz	Pass	6.55	21.00	20.23	23.64	29.45
2457MHz	Pass	6.55	13.09	12.95	16.03	29.45
2462MHz	Pass	6.55	13.40	12.68	16.07	29.45
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.55	11.26	11.11	14.20	29.45
2427MHz	Pass	6.55	11.26	11.14	14.21	29.45
2437MHz	Pass	6.55	14.36	14.05	17.22	29.45
2447MHz	Pass	6.55	14.10	14.04	17.08	29.45
2452MHz	Pass	6.55	13.18	13.06	16.13	29.45

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

Summary

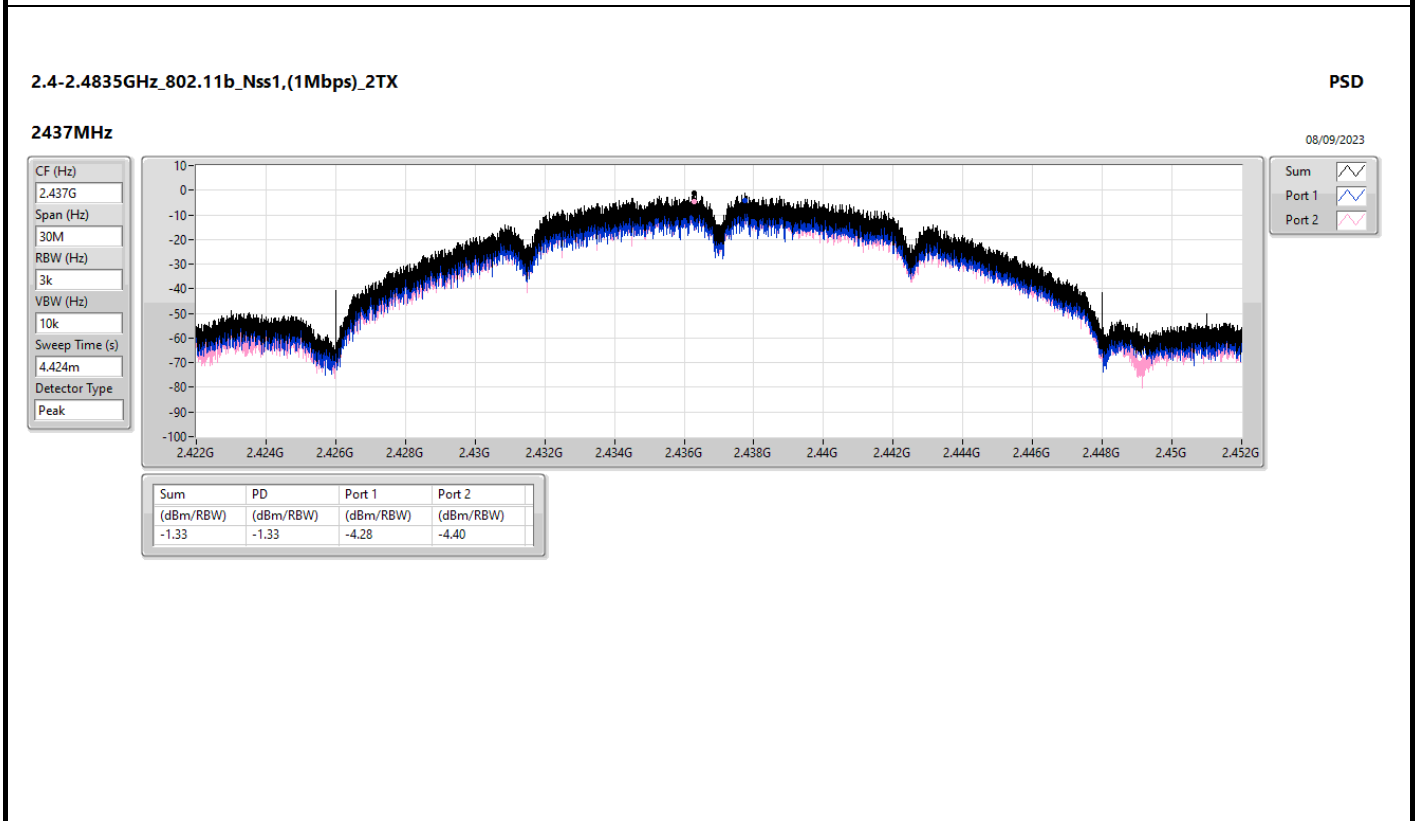
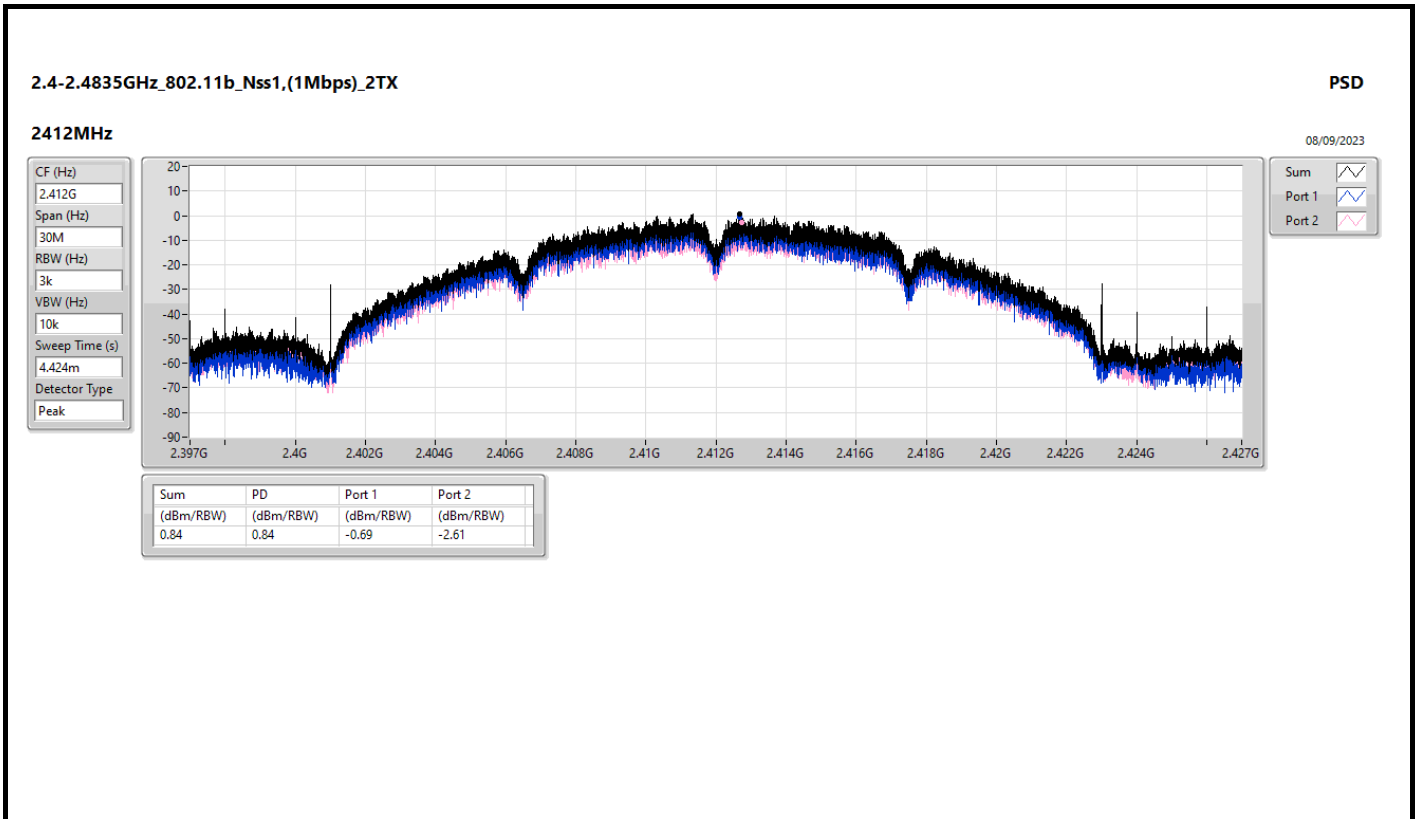
Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.83
802.11g_Nss1,(6Mbps)_2TX	-0.86
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.98
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-1.63
802.11ax HEW40_Nss1,(MCS0)_2TX	-7.33
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-10.97

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	6.55	-0.69	-2.61	0.84	7.45
2437MHz	Pass	6.55	-4.28	-4.40	-1.33	7.45
2462MHz	Pass	6.55	0.96	0.67	3.83	7.45
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	-8.54	-8.78	-6.19	7.45
2437MHz	Pass	6.55	-3.10	-4.01	-0.86	7.45
2462MHz	Pass	6.55	-7.24	-7.76	-5.12	7.45
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	-7.17	-7.14	-5.22	7.45
2437MHz	Pass	6.55	-3.73	-3.54	-1.98	7.45
2462MHz	Pass	6.55	-7.53	-6.85	-5.93	7.45
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.55	-11.54	-11.74	-9.12	7.45
2437MHz	Pass	6.55	-9.84	-8.88	-7.33	7.45
2452MHz	Pass	6.55	-11.83	-10.84	-9.41	7.45
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	-13.29	-13.66	-11.33	7.45
2437MHz	Pass	6.55	-2.81	-3.65	-1.63	7.45
2462MHz	Pass	6.55	-13.70	-11.49	-10.64	7.45
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.55	-16.05	-14.21	-13.67	7.45
2437MHz	Pass	6.55	-12.45	-12.49	-11.44	7.45
2452MHz	Pass	6.55	-14.90	-11.27	-10.97	7.45

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

2462MHz

08/09/2023

CF (Hz)
2.462G

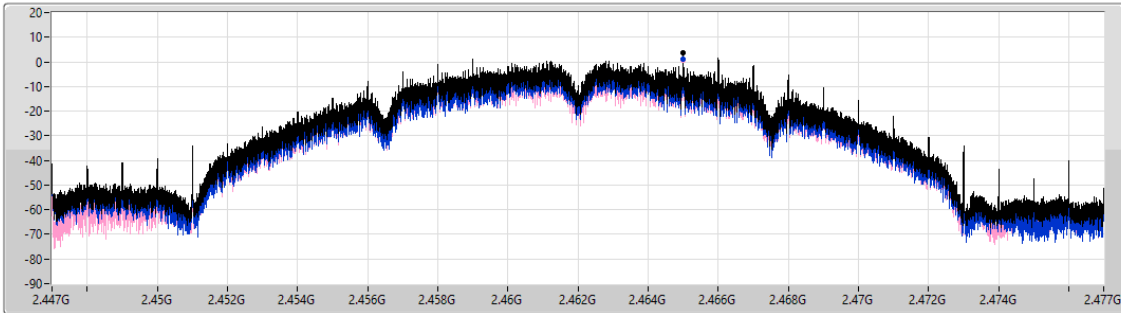
Span (Hz)
30M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
4.424m

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.83	3.83	0.96	0.67

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

PSD

2412MHz

08/09/2023

CF (Hz)
2.412G

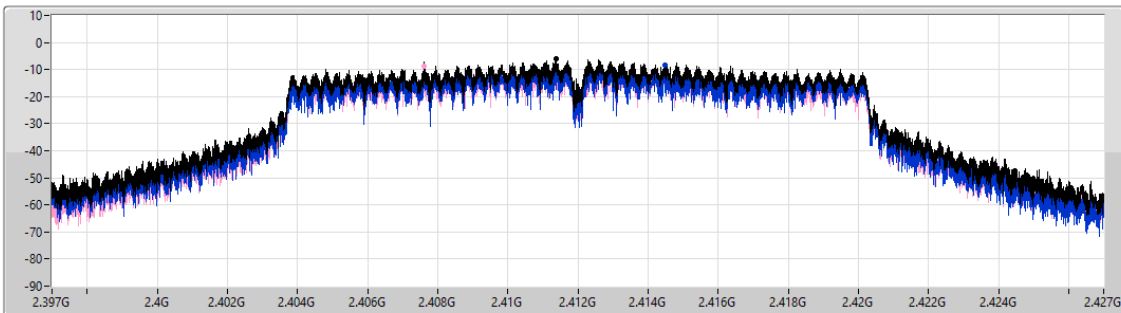
Span (Hz)
30M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
4.424m

Detector Type
Peak

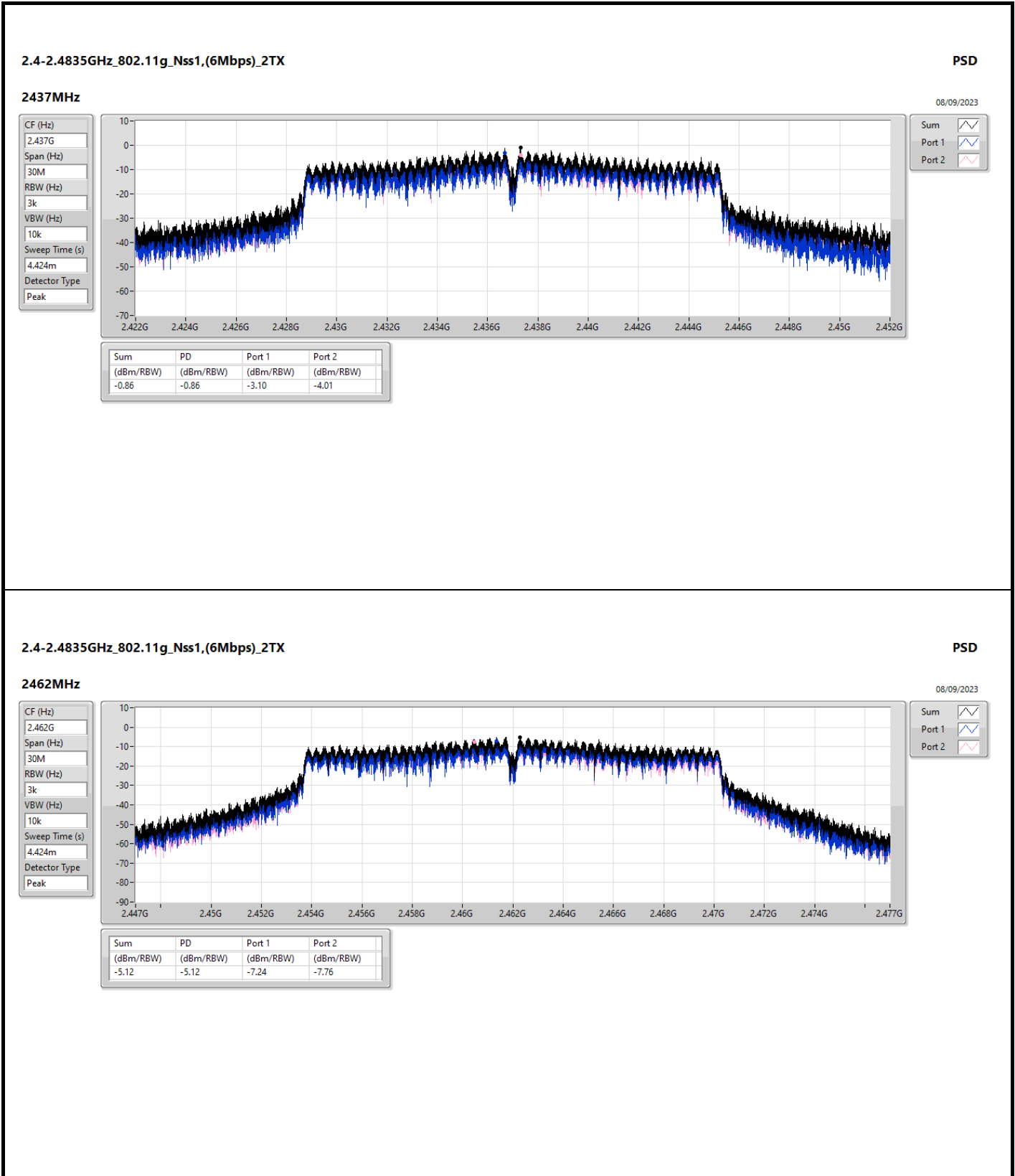


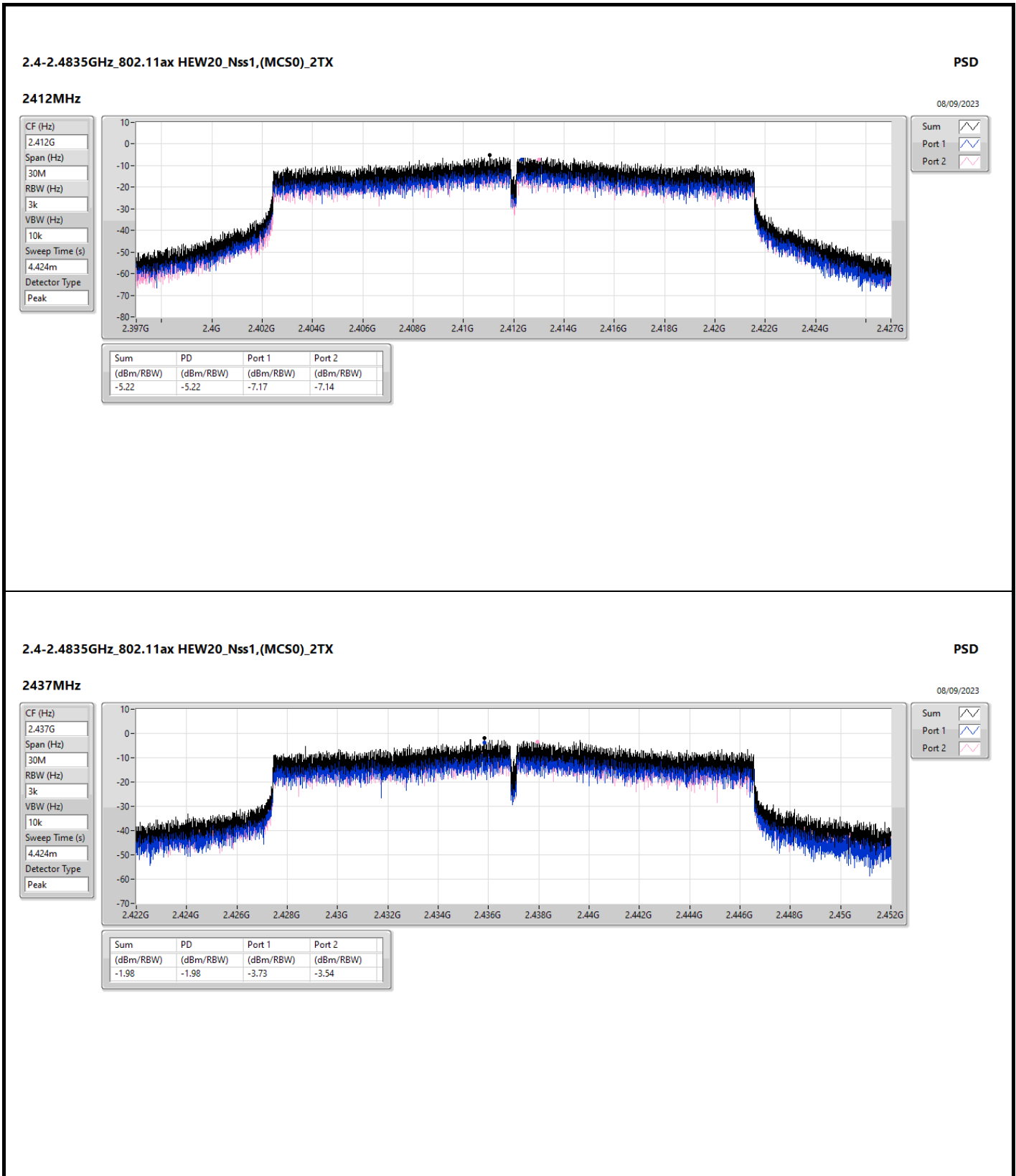
Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.19	-6.19	-8.54	-8.78





2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

08/09/2023

CF (Hz)
2.462G

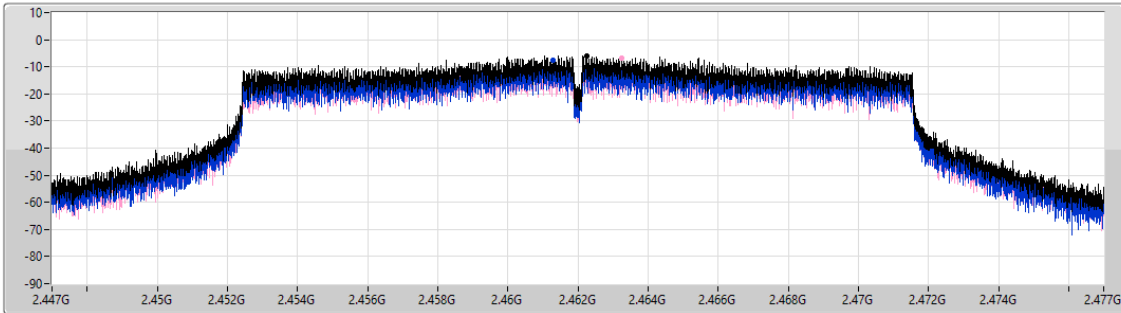
Span (Hz)
30M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
4.424m

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.93	-5.93	-7.53	-6.85

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

08/09/2023

CF (Hz)
2.422G

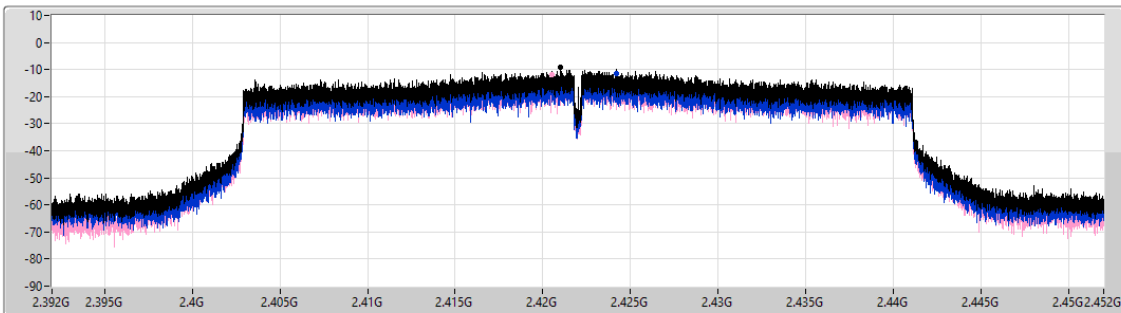
Span (Hz)
60M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
8.849m

Detector Type
Peak

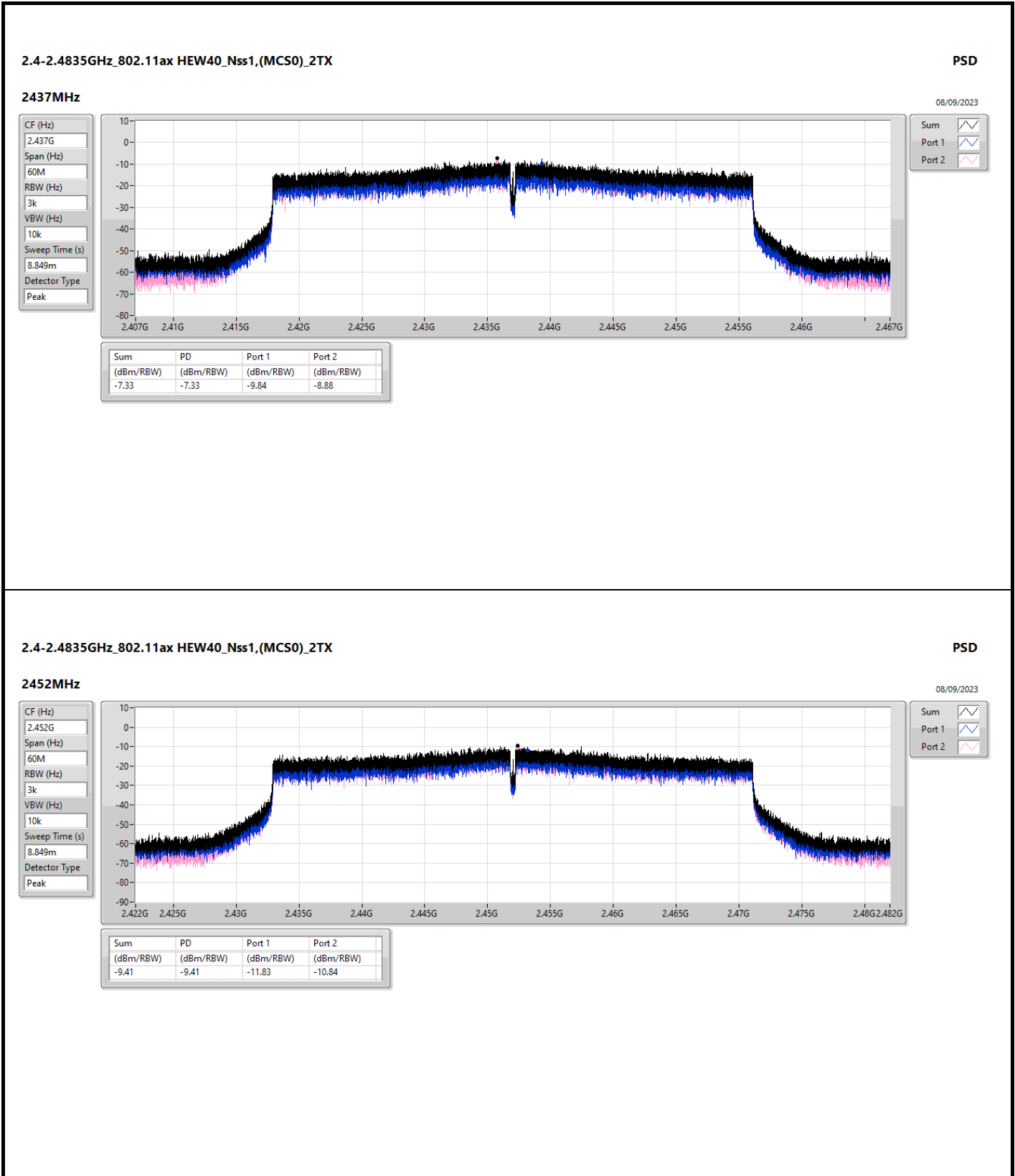


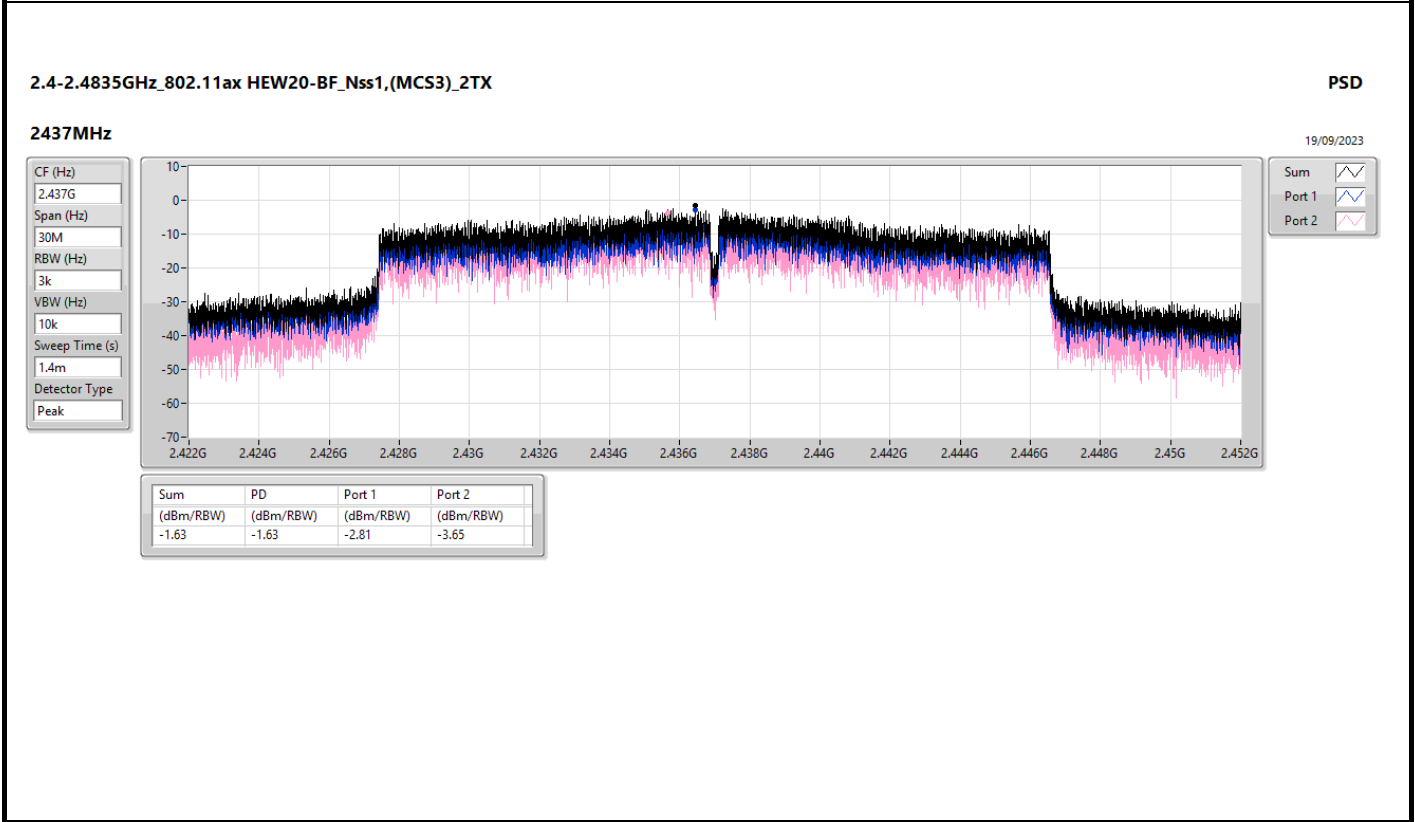
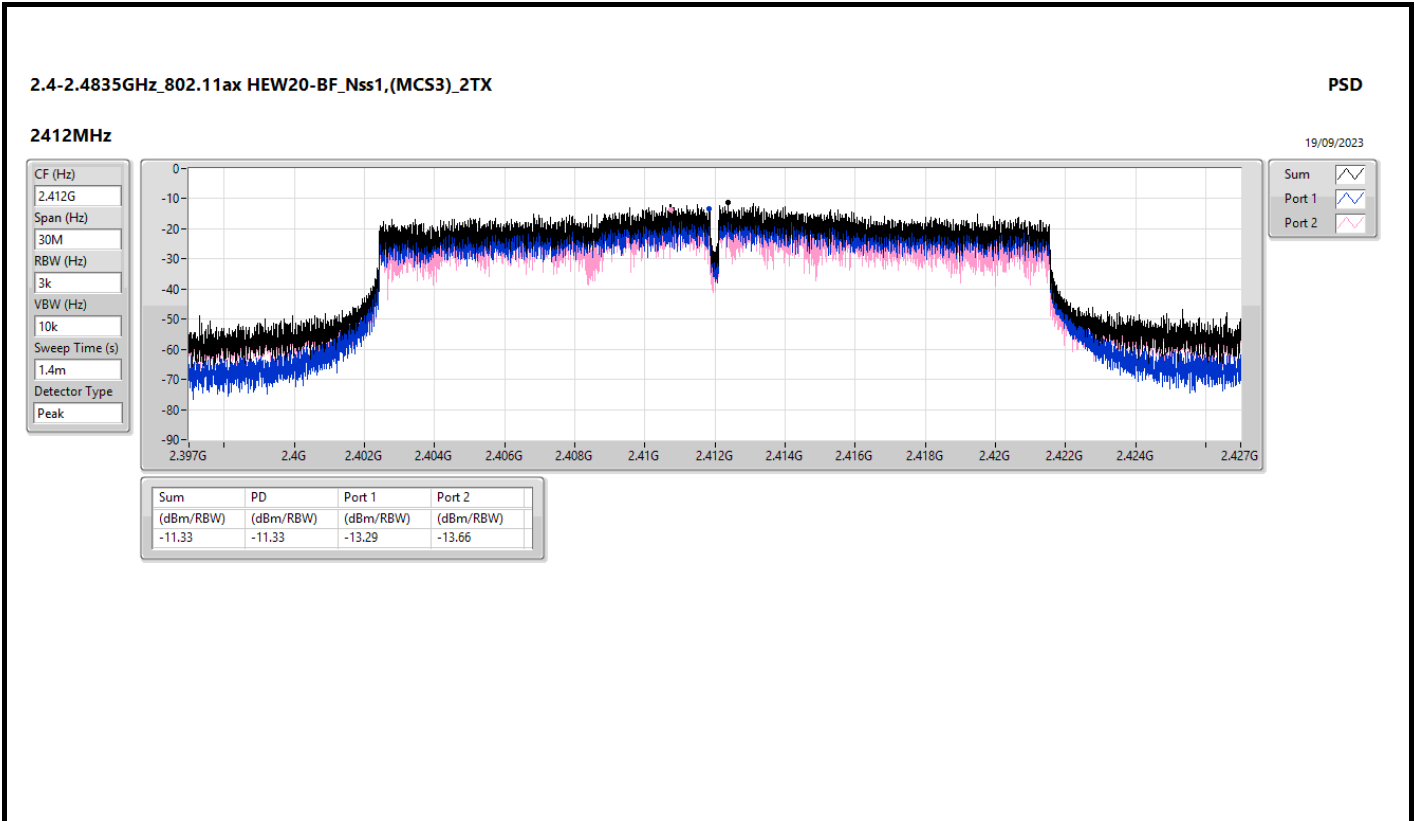
Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.12	-9.12	-11.54	-11.74





2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

PSD

2462MHz

19/09/2023

CF (Hz)
2.462G

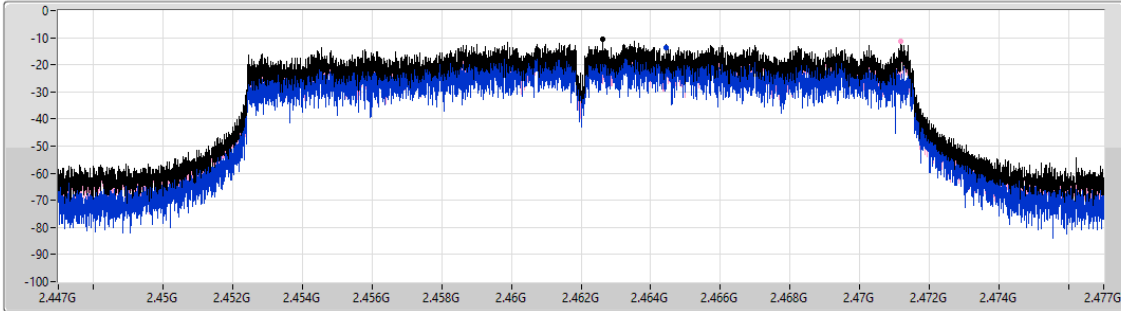
Span (Hz)
30M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
1.4m

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.64	-10.64	-13.70	-11.49

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

PSD

2422MHz

19/09/2023

CF (Hz)
2.422G

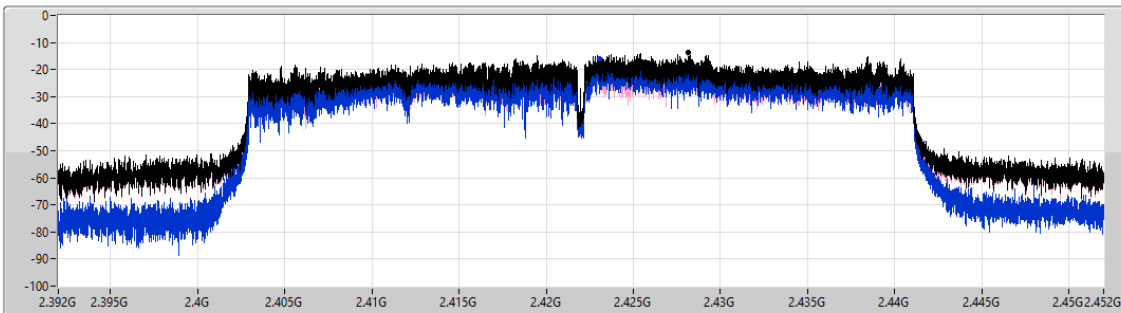
Span (Hz)
60M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
2.79m

Detector Type
Peak

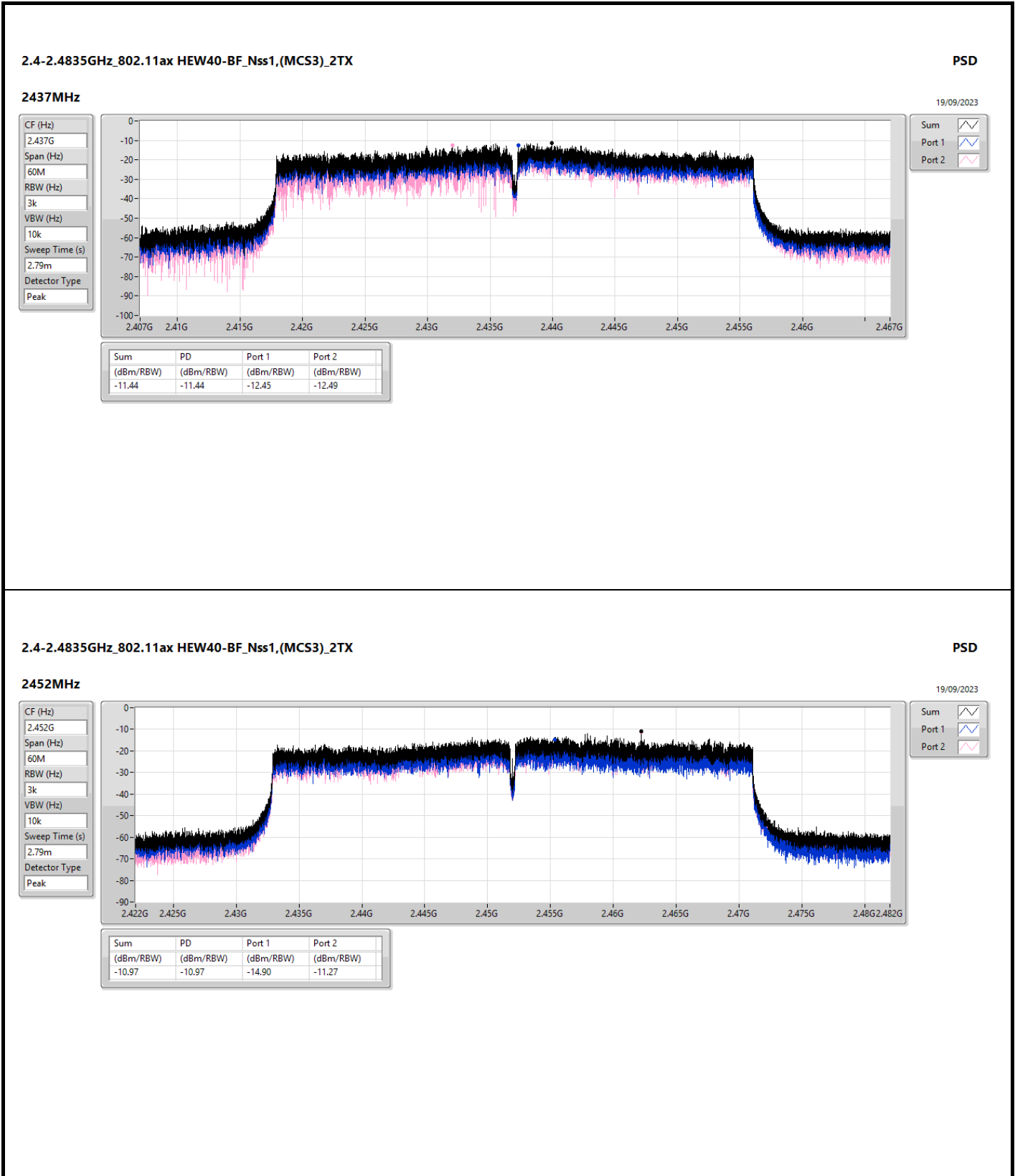


Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.67	-13.67	-16.05	-14.21





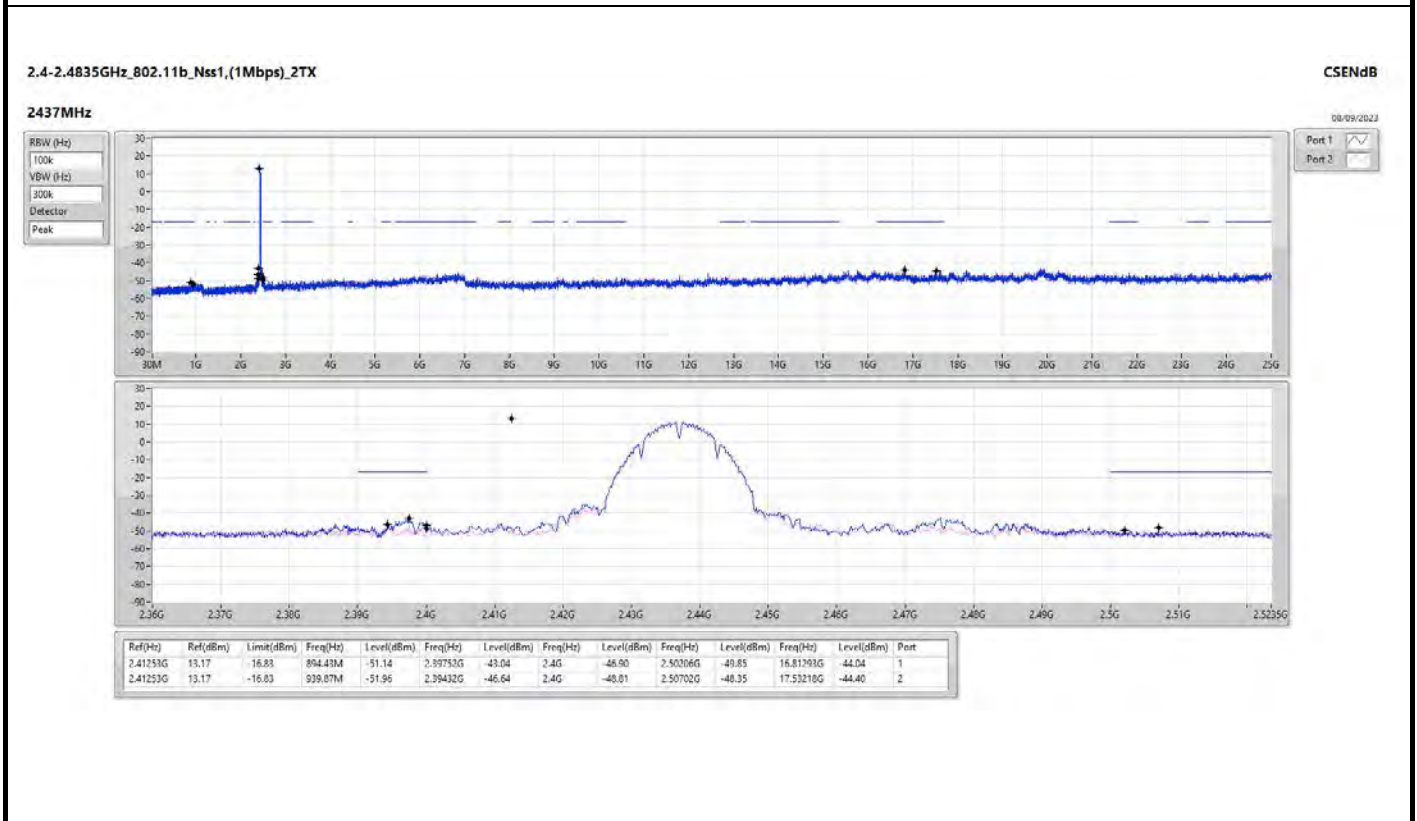
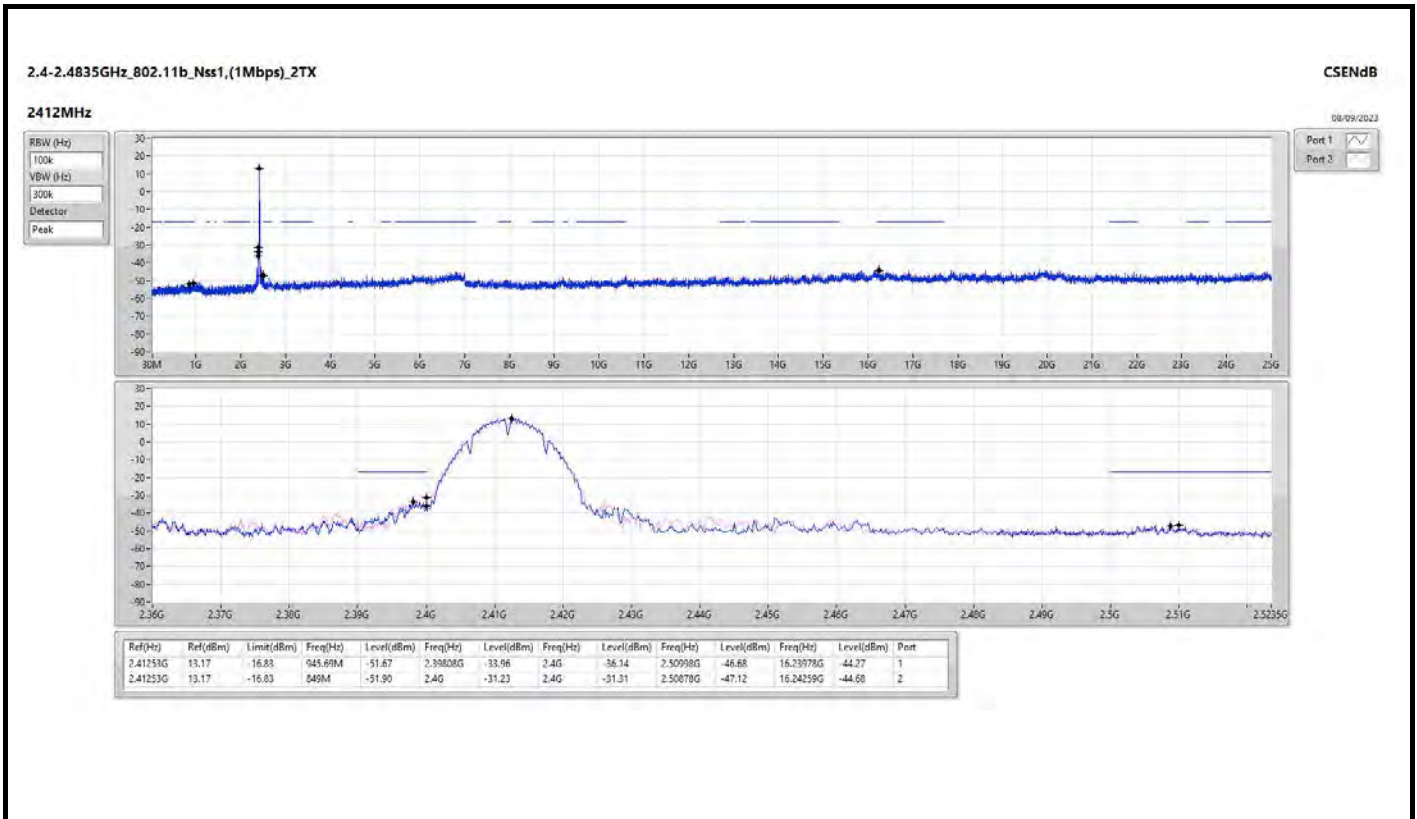
Summary

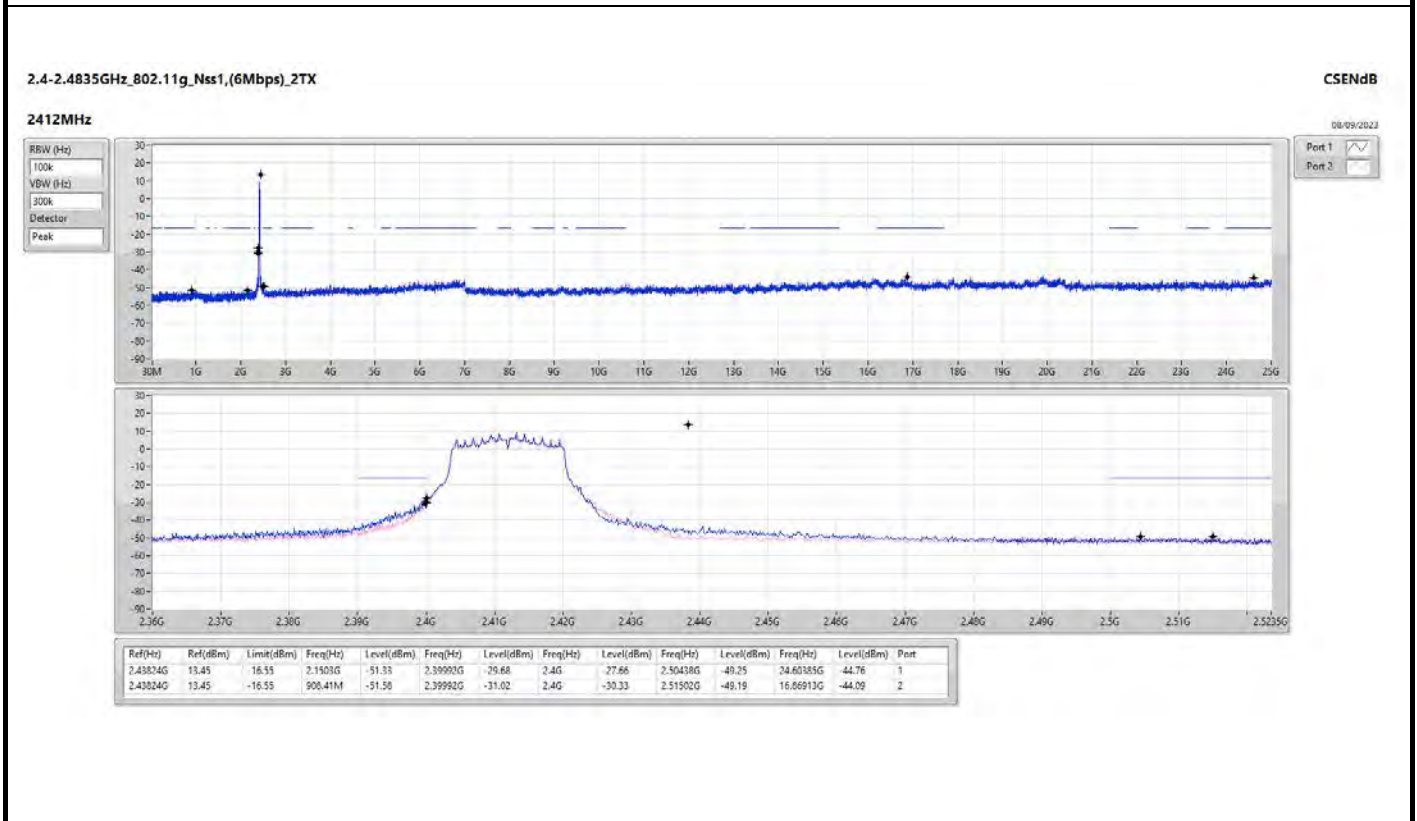
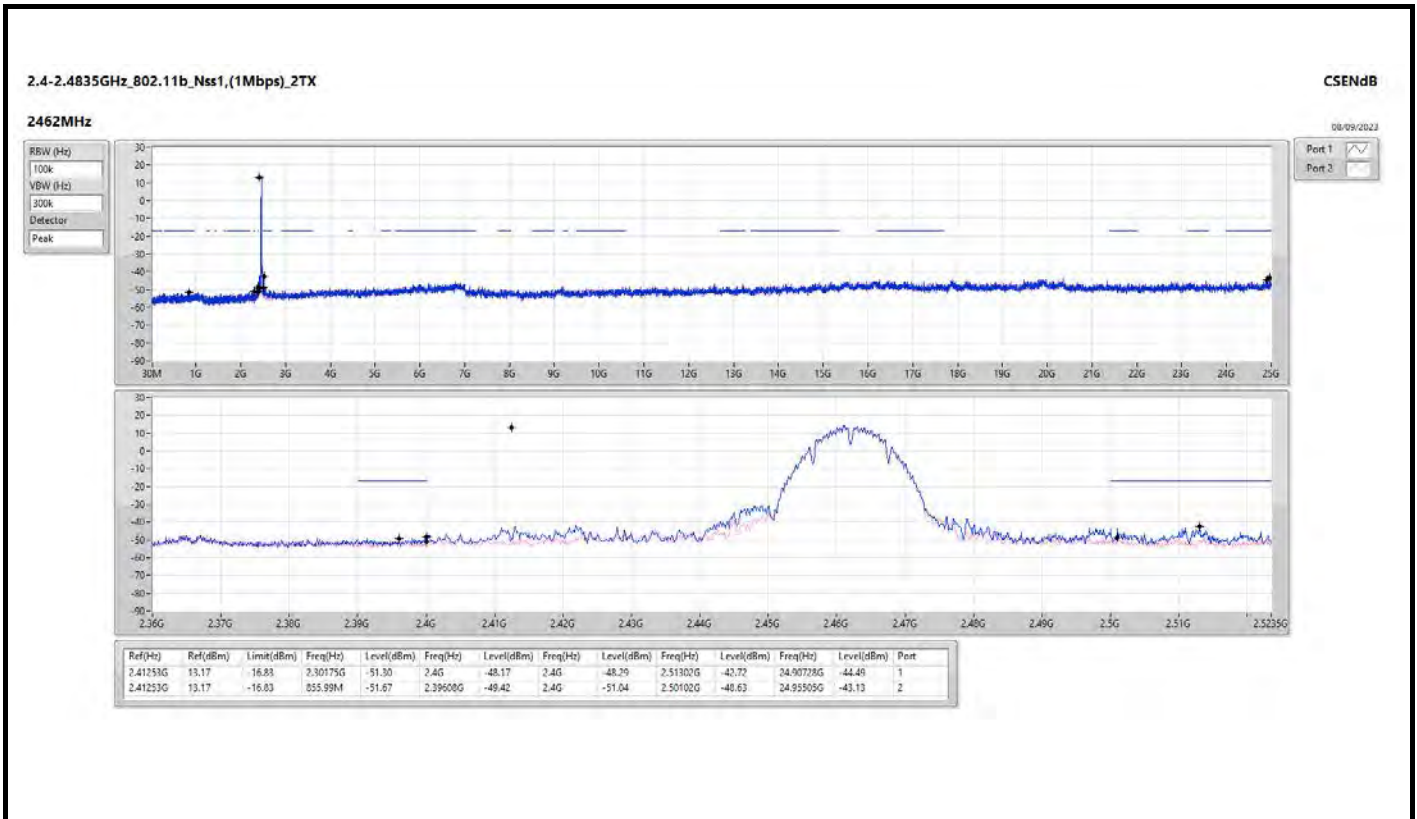
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41253G	13.17	-16.83	849M	-51.90	2.4G	-31.23	2.4G	-31.31	2.50878G	-47.12	16.24259G	-44.68	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	13.45	-16.55	2.1503G	-51.33	2.39992G	-29.68	2.4G	-27.66	2.50438G	-49.25	24.60385G	-44.76	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43958G	10.61	-19.39	866.47M	-50.63	2.4G	-28.46	2.4G	-28.35	2.50902G	-48.91	16.94498G	-44.67	1
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	Pass	2.43824G	12.48	-17.52	2.18059G	-47.00	2.39776G	-46.86	2.4G	-49.95	2.52302G	-25.45	21.55829G	-42.01	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44075G	5.36	-24.64	837.23M	-50.96	2.39968G	-32.22	2.4G	-39.30	2.50206G	-47.48	16.2105G	-44.14	1
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	Pass	2.4344G	3.33	-26.67	2.30626G	-48.74	2.39952G	-32.08	2.4G	-34.10	2.52302G	-48.97	21.57843G	-42.74	2

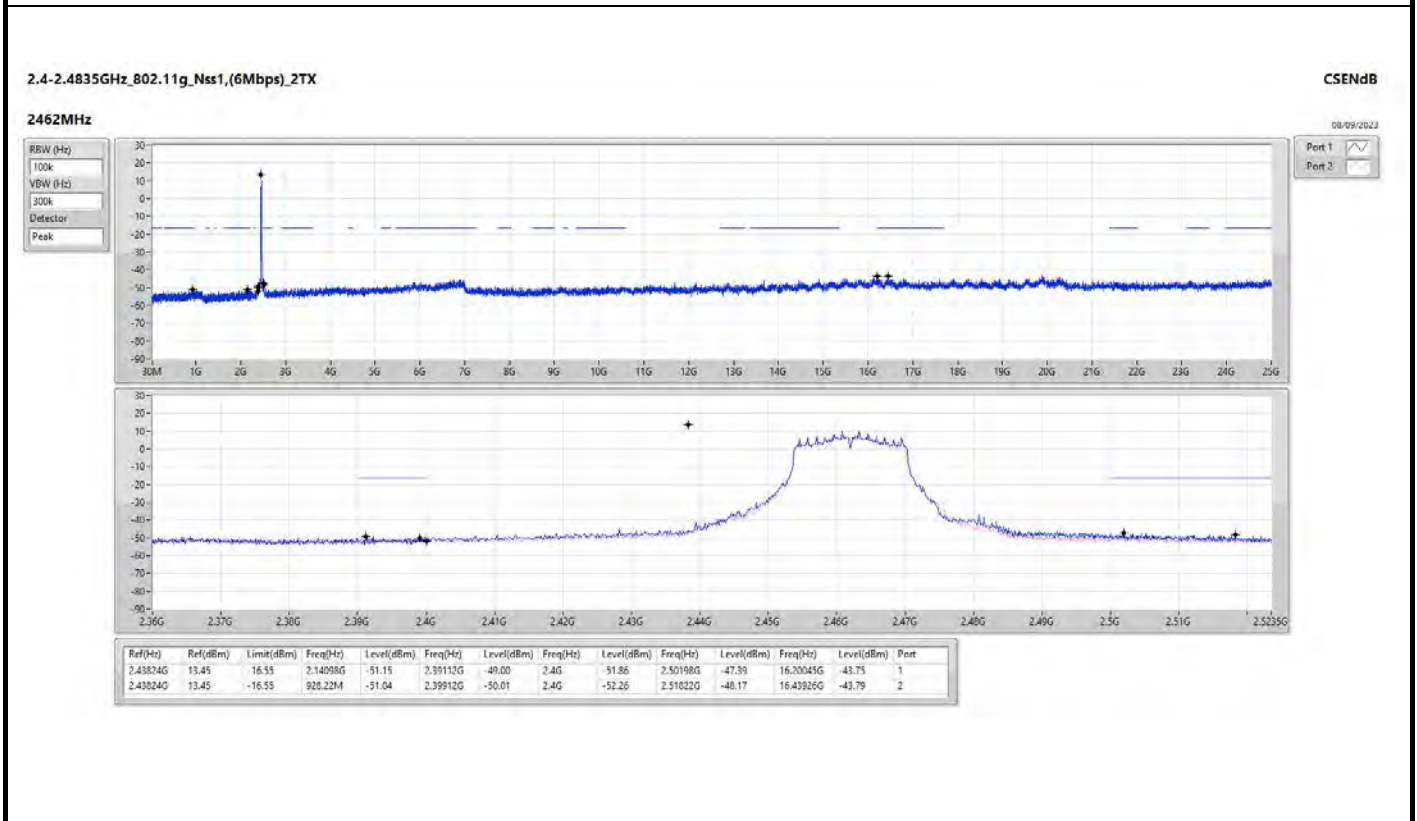
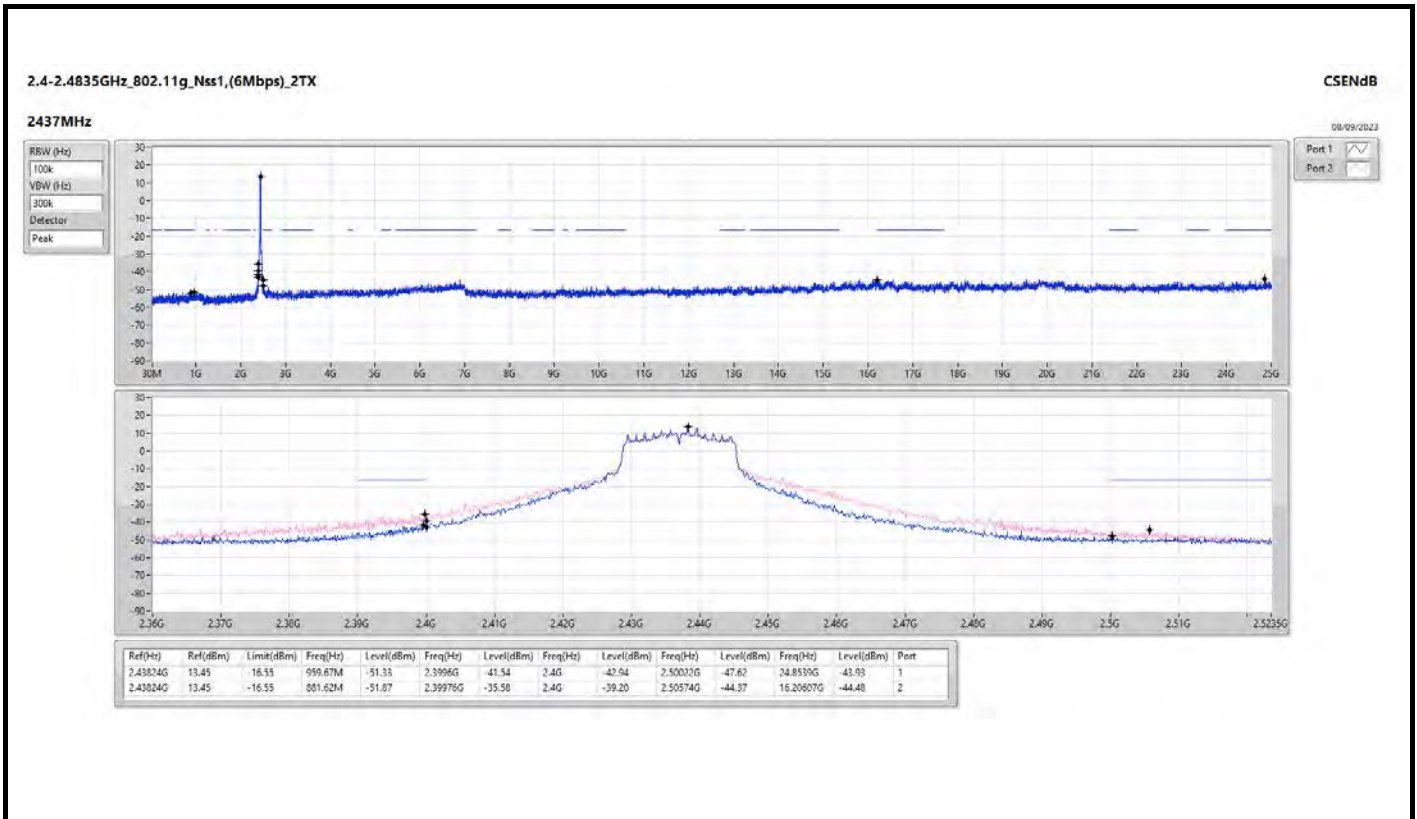


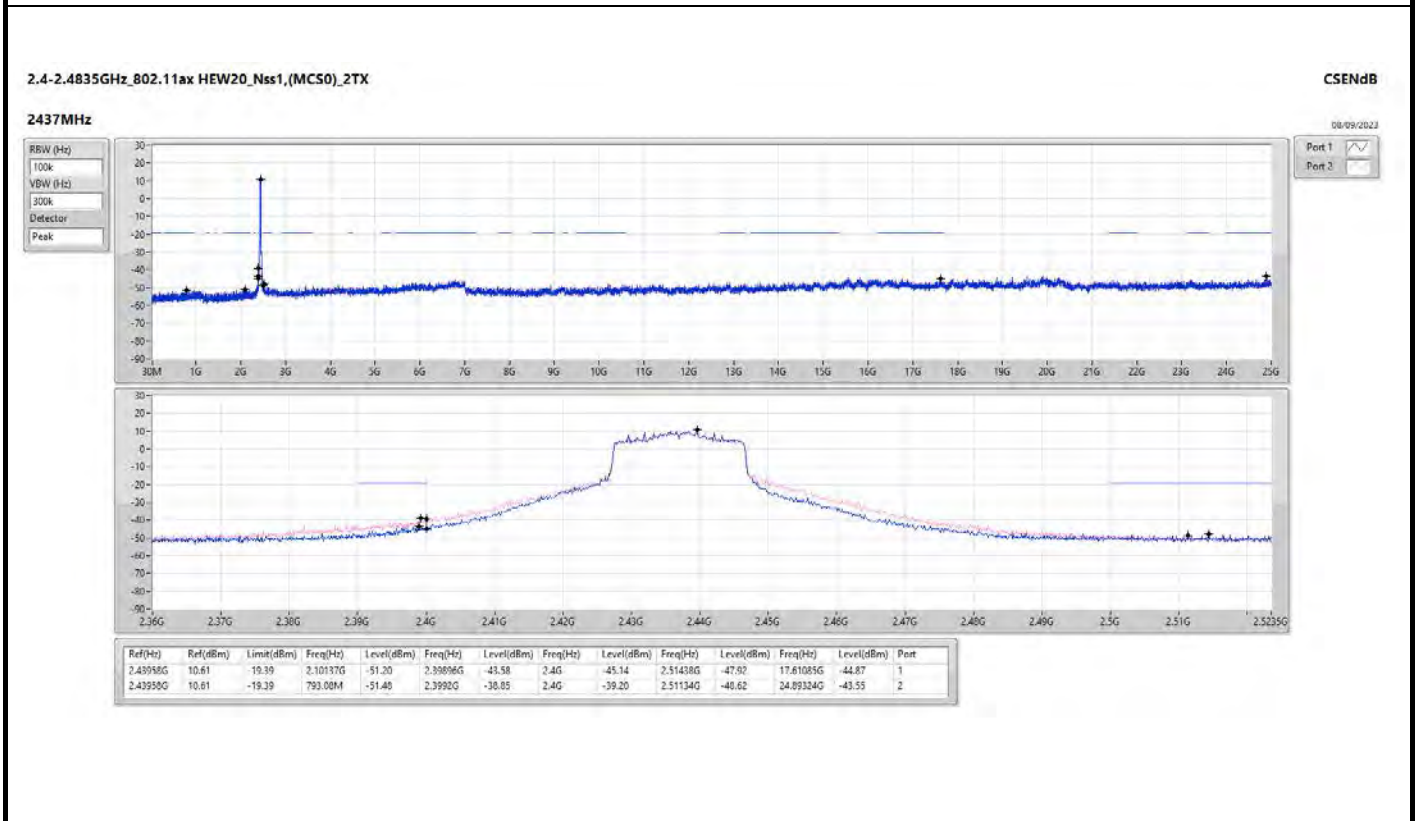
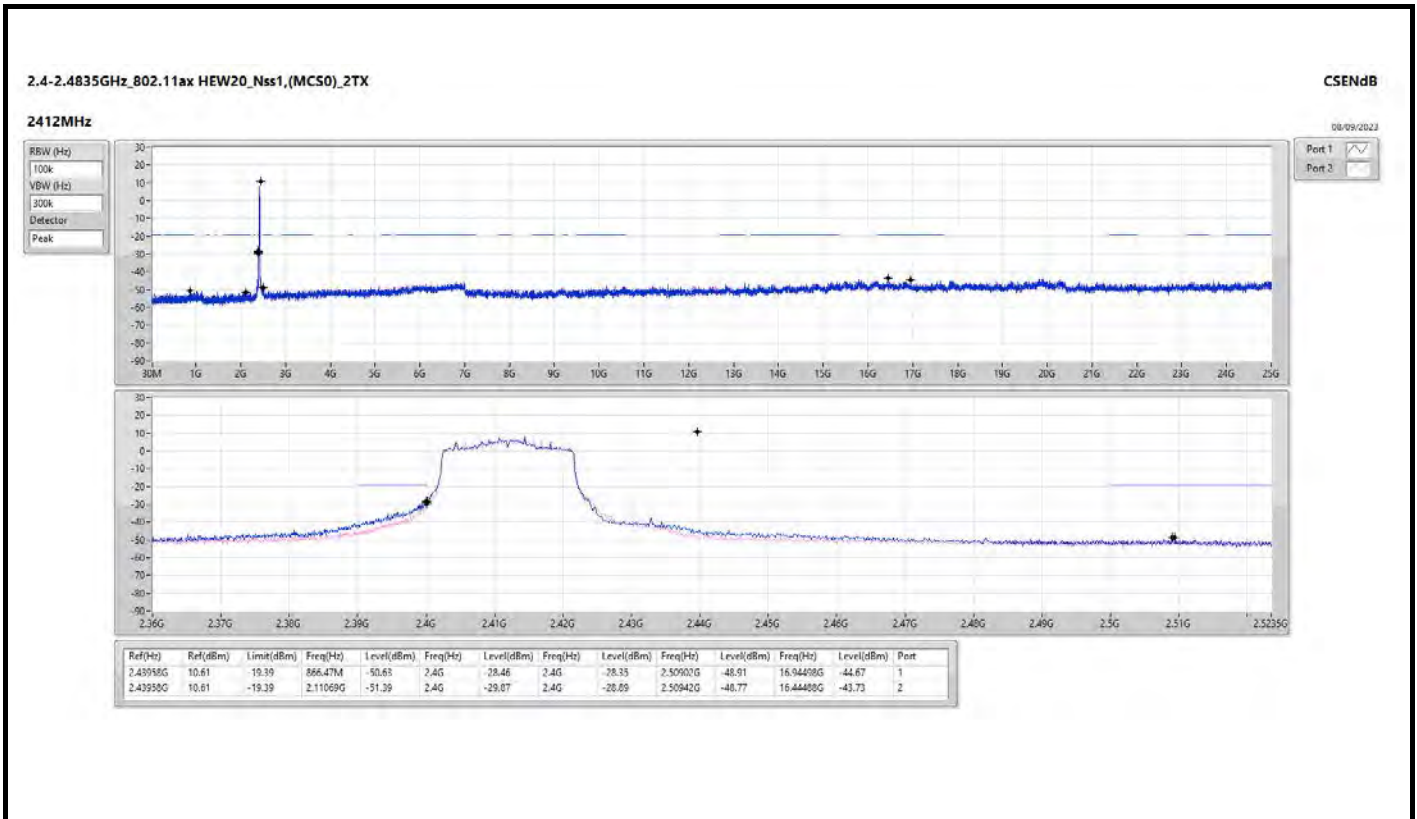
Result

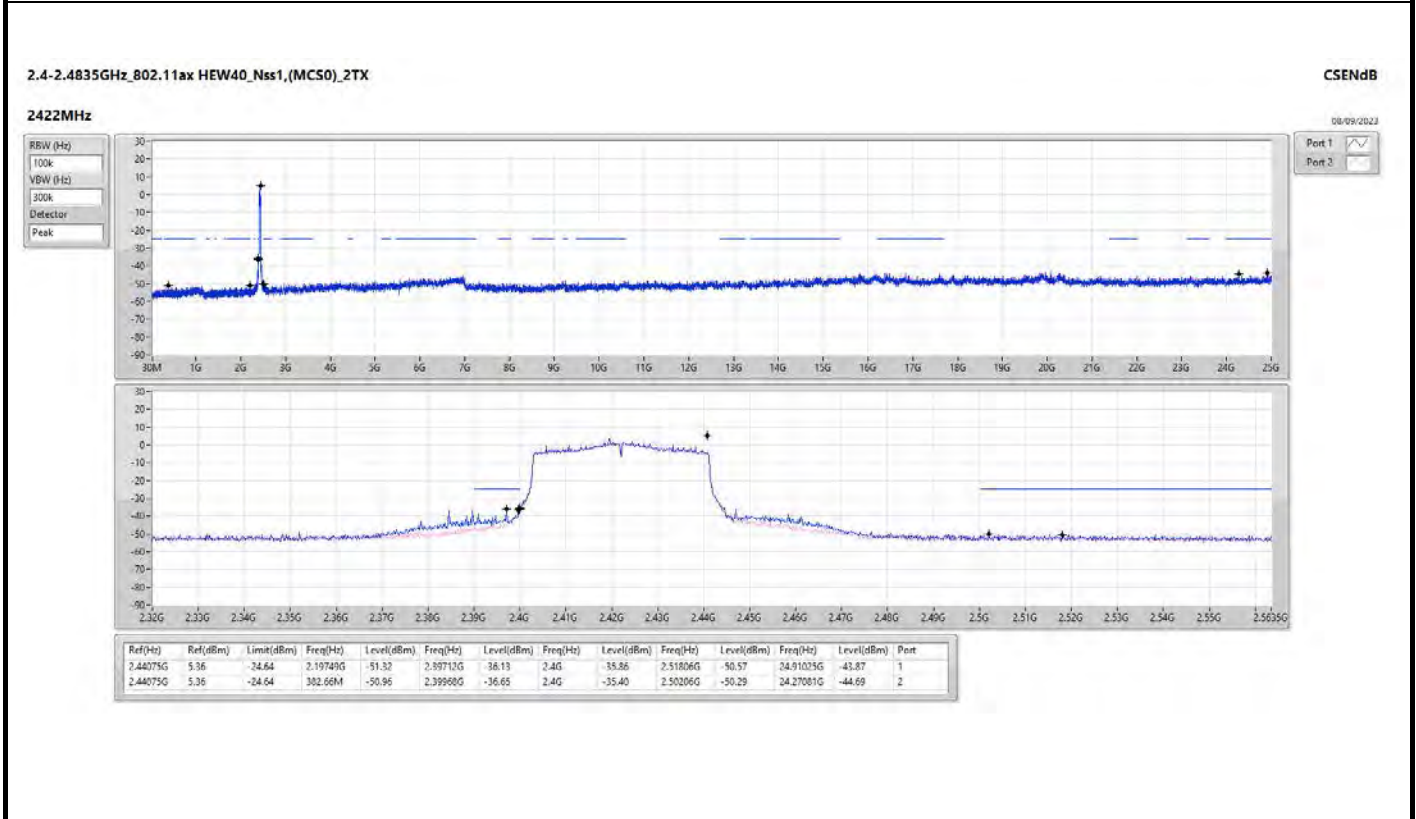
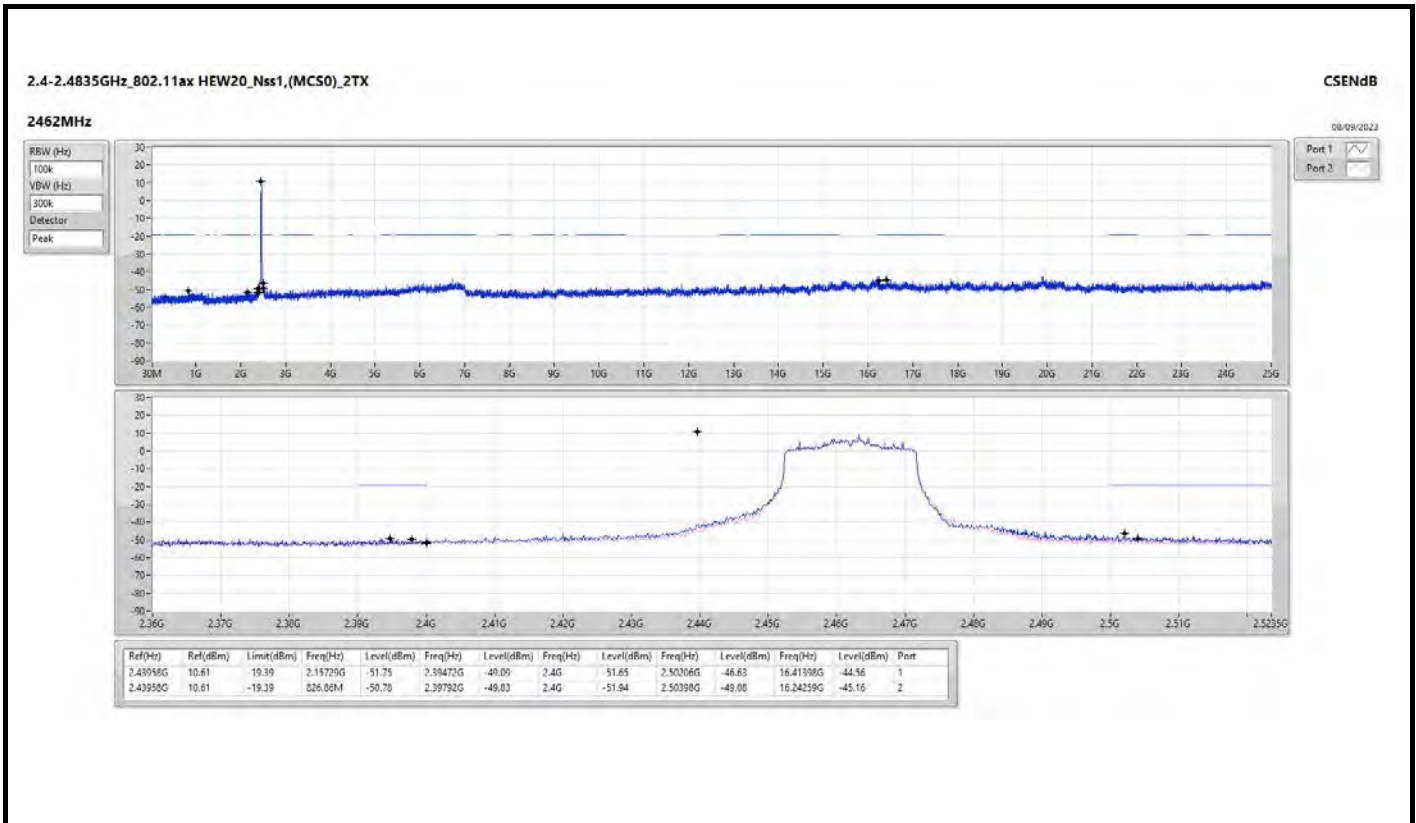
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41253G	13.17	-16.83	945.69M	-51.67	2.39808G	-33.96	2.4G	-36.14	2.50998G	-46.68	16.23978G	-44.27	1
2412MHz	Pass	2.41253G	13.17	-16.83	849M	-51.90	2.4G	-31.23	2.4G	-31.31	2.50878G	-47.12	16.24259G	-44.68	2
2437MHz	Pass	2.41253G	13.17	-16.83	894.43M	-51.14	2.39752G	-43.04	2.4G	-46.90	2.50206G	-49.85	16.81293G	-44.04	1
2437MHz	Pass	2.41253G	13.17	-16.83	939.87M	-51.96	2.39432G	-46.64	2.4G	-48.81	2.50702G	-48.35	17.53218G	-44.40	2
2462MHz	Pass	2.41253G	13.17	-16.83	2.30175G	-51.30	2.4G	-48.17	2.4G	-48.29	2.51302G	-42.72	24.90728G	-44.49	1
2462MHz	Pass	2.41253G	13.17	-16.83	855.99M	-51.67	2.39608G	-49.42	2.4G	-51.04	2.50102G	-48.63	24.95505G	-43.13	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	13.45	-16.55	2.1503G	-51.33	2.39992G	-29.68	2.4G	-27.66	2.50438G	-49.25	24.60385G	-44.76	1
2412MHz	Pass	2.43824G	13.45	-16.55	908.41M	-51.58	2.39992G	-31.02	2.4G	-30.33	2.51502G	-49.19	16.86913G	-44.09	2
2437MHz	Pass	2.43824G	13.45	-16.55	959.67M	-51.33	2.3996G	-41.54	2.4G	-42.94	2.50022G	-47.62	24.8539G	-43.93	1
2437MHz	Pass	2.43824G	13.45	-16.55	881.62M	-51.87	2.39976G	-35.58	2.4G	-39.20	2.50574G	-44.37	16.20607G	-44.48	2
2462MHz	Pass	2.43824G	13.45	-16.55	2.14098G	-51.15	2.39112G	-49.00	2.4G	-51.86	2.50198G	-47.39	16.20045G	-43.75	1
2462MHz	Pass	2.43824G	13.45	-16.55	928.22M	-51.04	2.39912G	-50.01	2.4G	-52.26	2.51822G	-48.17	16.43926G	-43.79	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43958G	10.61	-19.39	866.47M	-50.63	2.4G	-28.46	2.4G	-28.35	2.50902G	-48.91	16.94498G	-44.67	1
2412MHz	Pass	2.43958G	10.61	-19.39	2.11069G	-51.39	2.4G	-29.87	2.4G	-28.89	2.50942G	-48.77	16.44488G	-43.73	2
2437MHz	Pass	2.43958G	10.61	-19.39	2.10137G	-51.20	2.39896G	-43.58	2.4G	-45.14	2.51438G	-47.92	17.61085G	-44.87	1
2437MHz	Pass	2.43958G	10.61	-19.39	793.08M	-51.48	2.3992G	-38.85	2.4G	-39.20	2.51134G	-48.62	24.89324G	-43.55	2
2462MHz	Pass	2.43958G	10.61	-19.39	2.15729G	-51.75	2.39472G	-49.09	2.4G	-51.65	2.50206G	-46.63	16.41398G	-44.56	1
2462MHz	Pass	2.43958G	10.61	-19.39	826.86M	-50.78	2.39792G	-49.83	2.4G	-51.94	2.50398G	-49.08	16.24259G	-45.16	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	5.36	-24.64	2.19749G	-51.32	2.39712G	-36.13	2.4G	-35.86	2.51806G	-50.57	24.91025G	-43.87	1
2422MHz	Pass	2.44075G	5.36	-24.64	382.66M	-50.96	2.39968G	-36.65	2.4G	-35.40	2.50206G	-50.29	24.27081G	-44.69	2
2437MHz	Pass	2.44075G	5.36	-24.64	837.23M	-50.96	2.39968G	-32.22	2.4G	-39.30	2.50206G	-47.48	16.2105G	-44.14	1
2437MHz	Pass	2.44075G	5.36	-24.64	2.18489G	-51.66	2.39968G	-41.50	2.4G	-44.49	2.50206G	-49.29	24.67467G	-44.79	2
2452MHz	Pass	2.44075G	5.36	-24.64	168.55M	-51.57	2.392G	-48.70	2.4G	-51.76	2.50046G	-48.23	16.42645G	-44.66	1
2452MHz	Pass	2.44075G	5.36	-24.64	908.22M	-50.93	2.39472G	-50.07	2.4G	-51.74	2.5003G	-48.92	24.98598G	-44.26	2
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.48	-17.52	2.01516G	-49.01	2.39704G	-42.21	2.4G	-42.35	2.50878G	-46.70	21.57795G	-43.04	1
2412MHz	Pass	2.43824G	12.48	-17.52	1.72974G	-48.17	2.39968G	-31.24	2.4G	-32.48	2.51774G	-47.05	21.55267G	-42.24	2
2437MHz	Pass	2.43824G	12.48	-17.52	2.11768G	-49.06	2.39944G	-30.39	2.4G	-32.49	2.50342G	-40.49	21.45714G	-42.89	1
2437MHz	Pass	2.43824G	12.48	-17.52	2.17593G	-48.83	2.39992G	-37.84	2.4G	-38.72	2.5039G	-44.31	21.48805G	-41.43	2
2462MHz	Pass	2.43824G	12.48	-17.52	2.17244G	-49.38	2.3976G	-34.64	2.4G	-50.25	2.50902G	-45.85	21.66786G	-42.02	1
2462MHz	Pass	2.43824G	12.48	-17.52	2.18059G	-47.00	2.39776G	-46.86	2.4G	-49.95	2.52302G	-25.45	21.55829G	-42.01	2
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	3.33	-26.67	54.05M	-48.88	2.39984G	-34.86	2.4G	-36.56	2.5291G	-48.38	21.51393G	-42.22	1
2422MHz	Pass	2.4344G	3.33	-26.67	2.30626G	-48.74	2.39952G	-32.08	2.4G	-34.10	2.52302G	-48.97	21.57843G	-42.74	2
2437MHz	Pass	2.4344G	3.33	-26.67	1.83223G	-49.23	2.39936G	-41.11	2.4G	-39.48	2.5003G	-45.59	21.58965G	-41.76	1
2437MHz	Pass	2.4344G	3.33	-26.67	2.05894G	-48.46	2.4G	-38.58	2.4G	-44.01	2.51518G	-48.00	21.58404G	-42.78	2
2452MHz	Pass	2.4344G	3.33	-26.67	2.13795G	-48.68	2.39488G	-46.60	2.4G	-49.46	2.51326G	-46.58	22.00473G	-42.16	1
2452MHz	Pass	2.4344G	3.33	-26.67	2.14825G	-48.74	2.39696G	-47.39	2.4G	-48.24	2.54878G	-46.97	21.60648G	-41.65	2

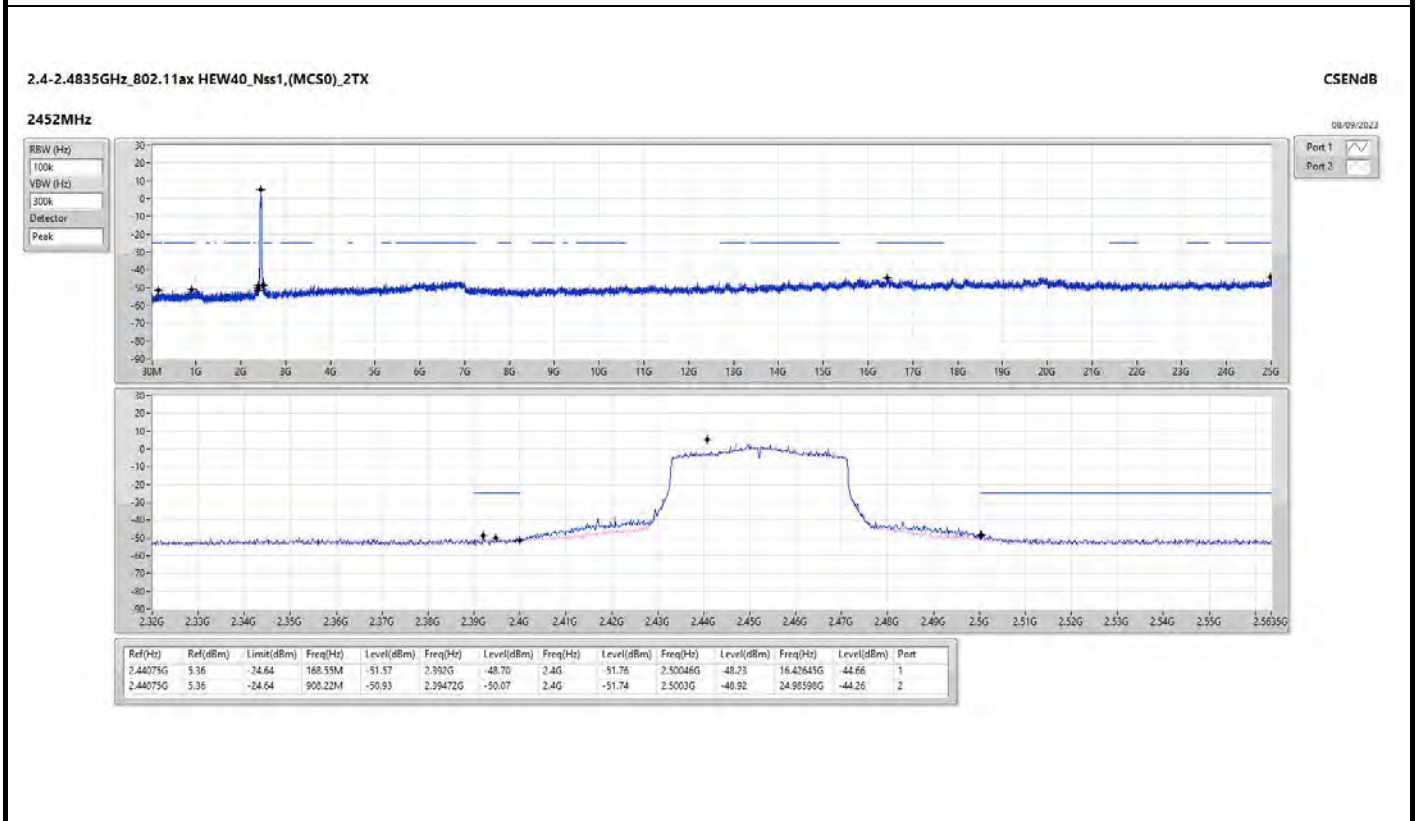
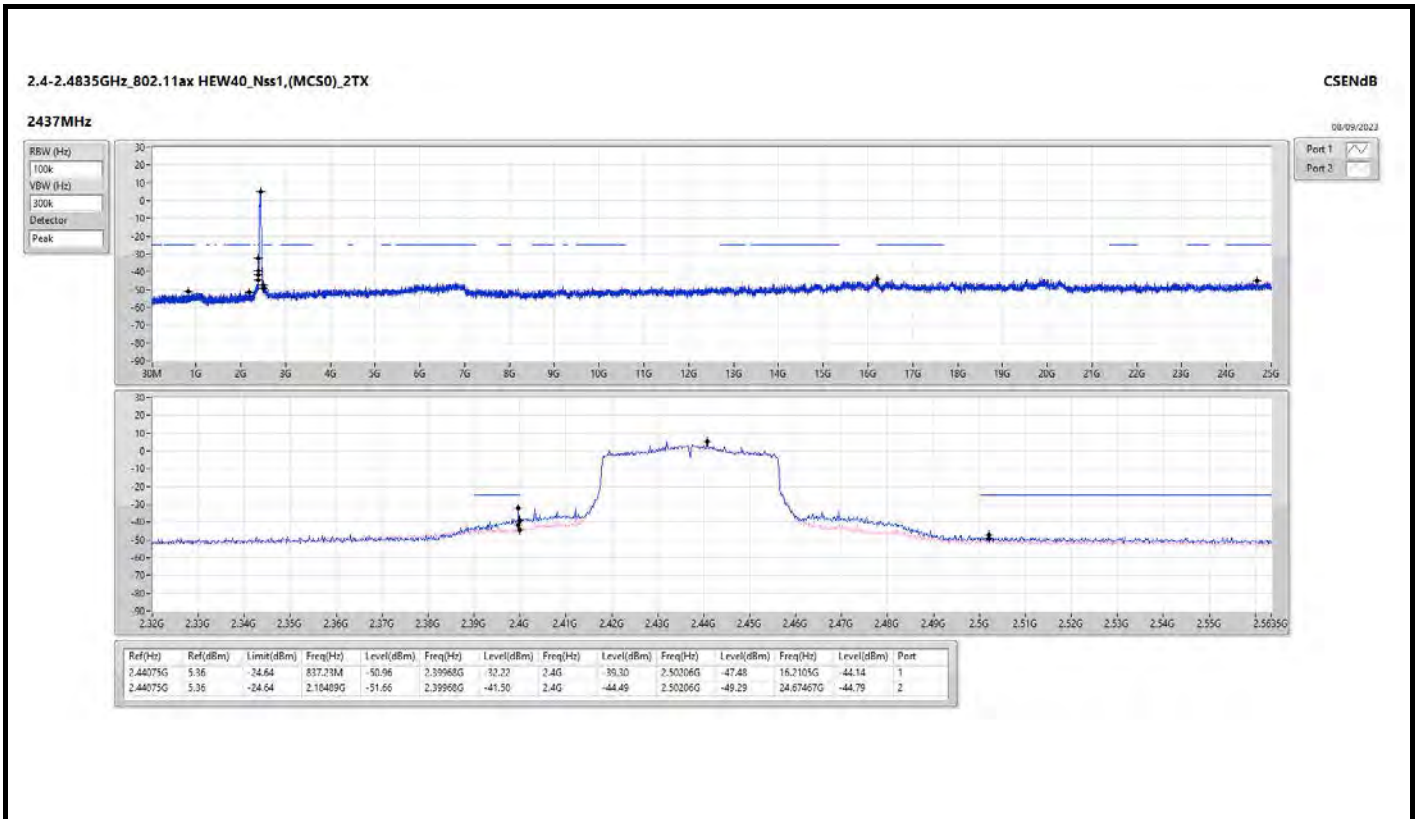


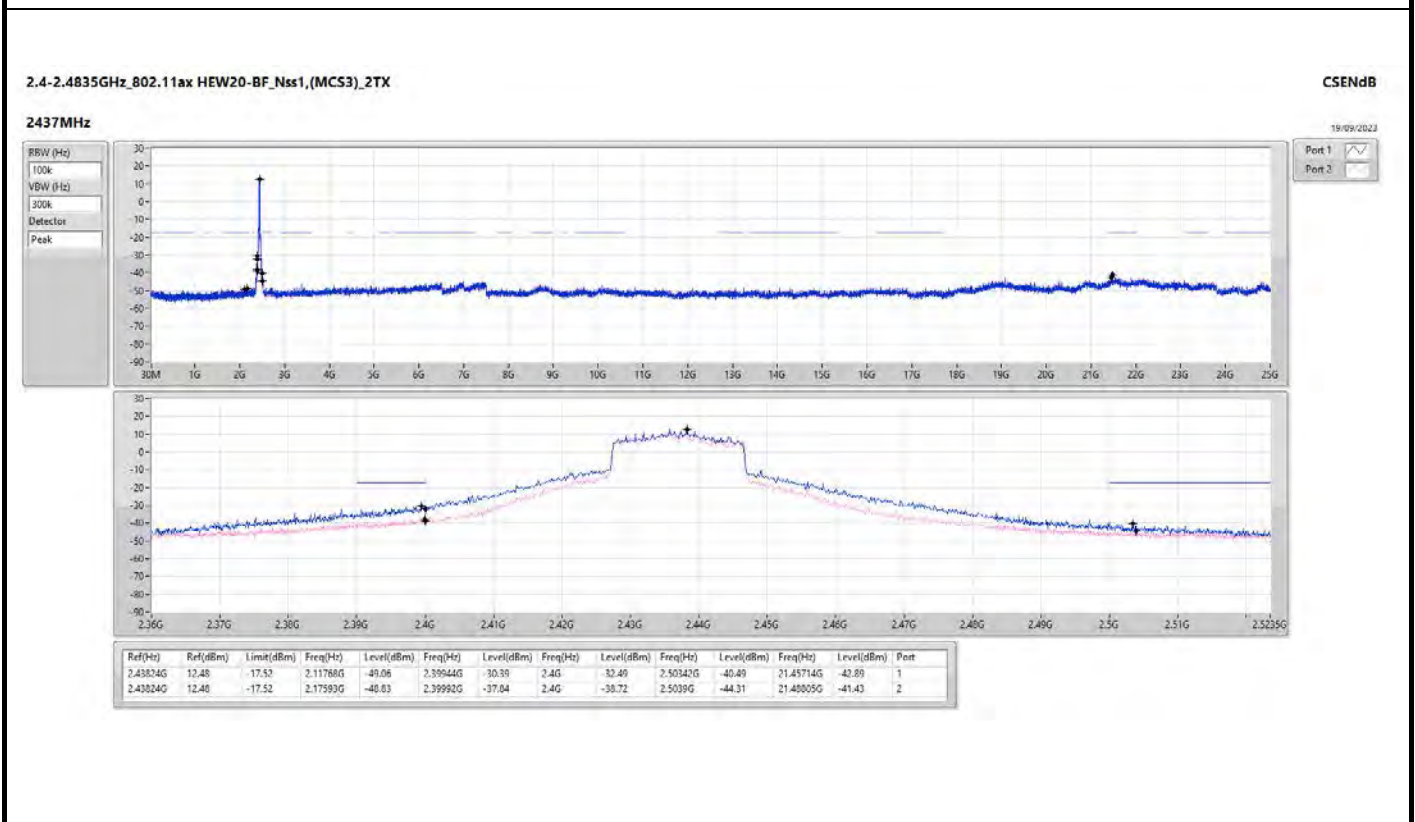
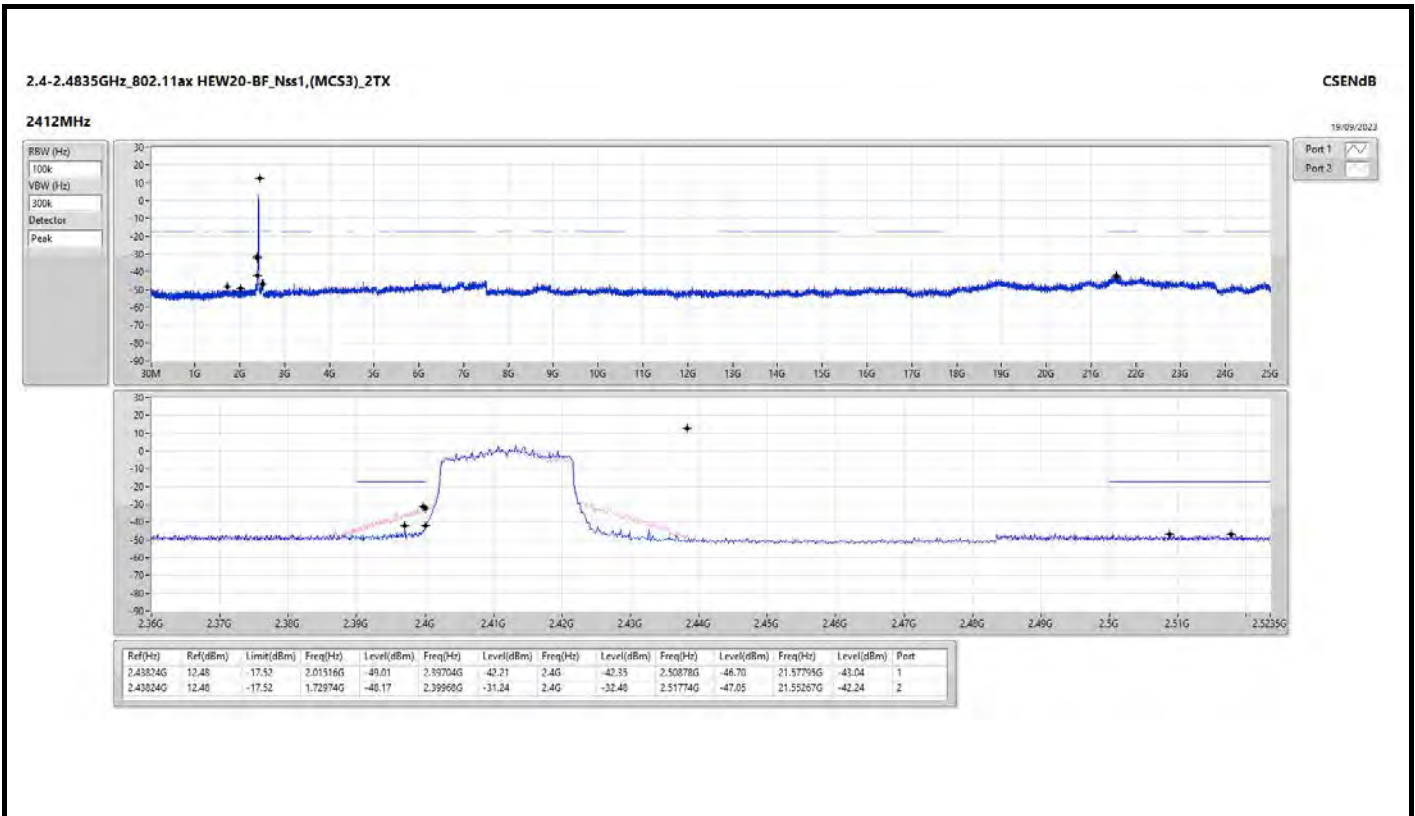


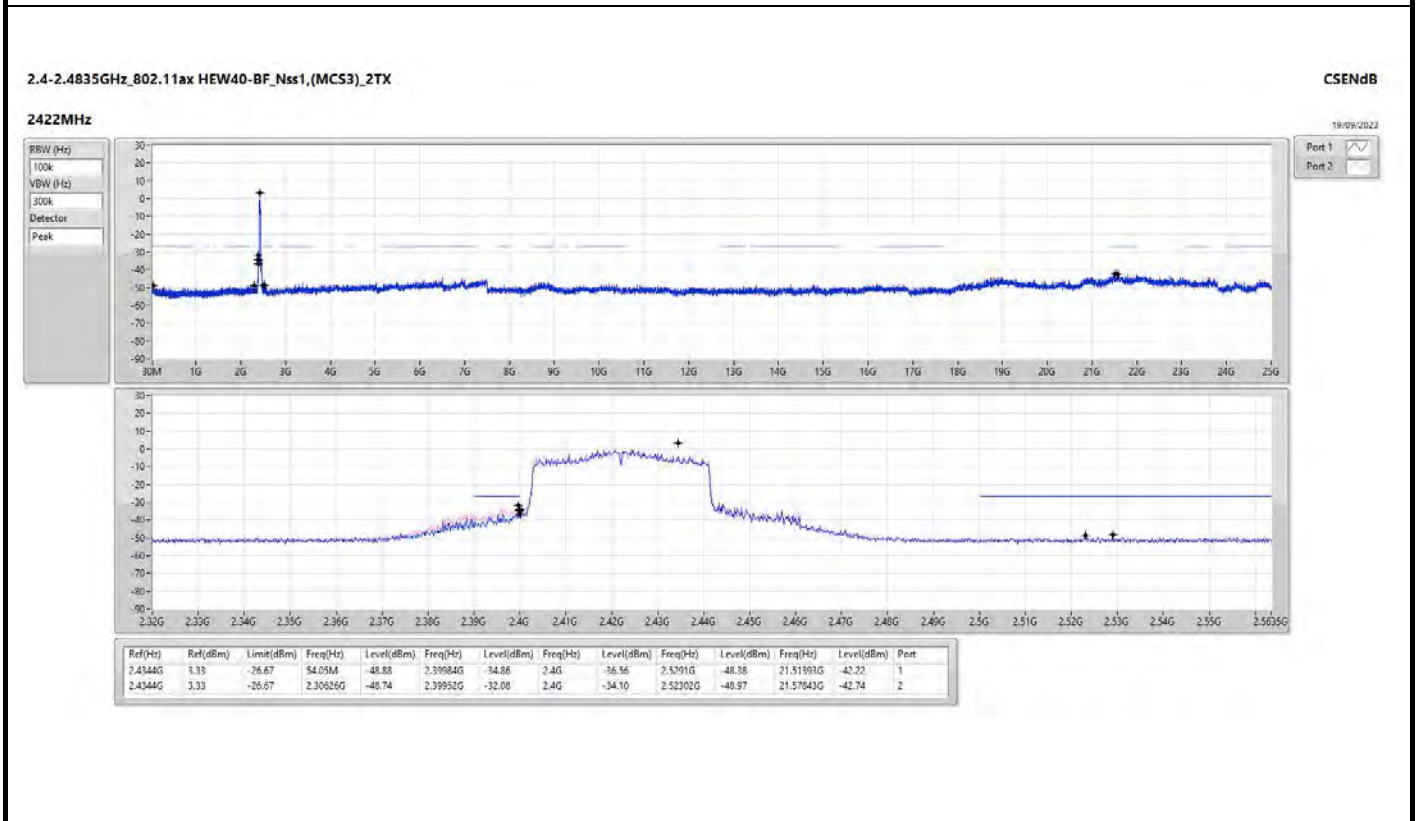
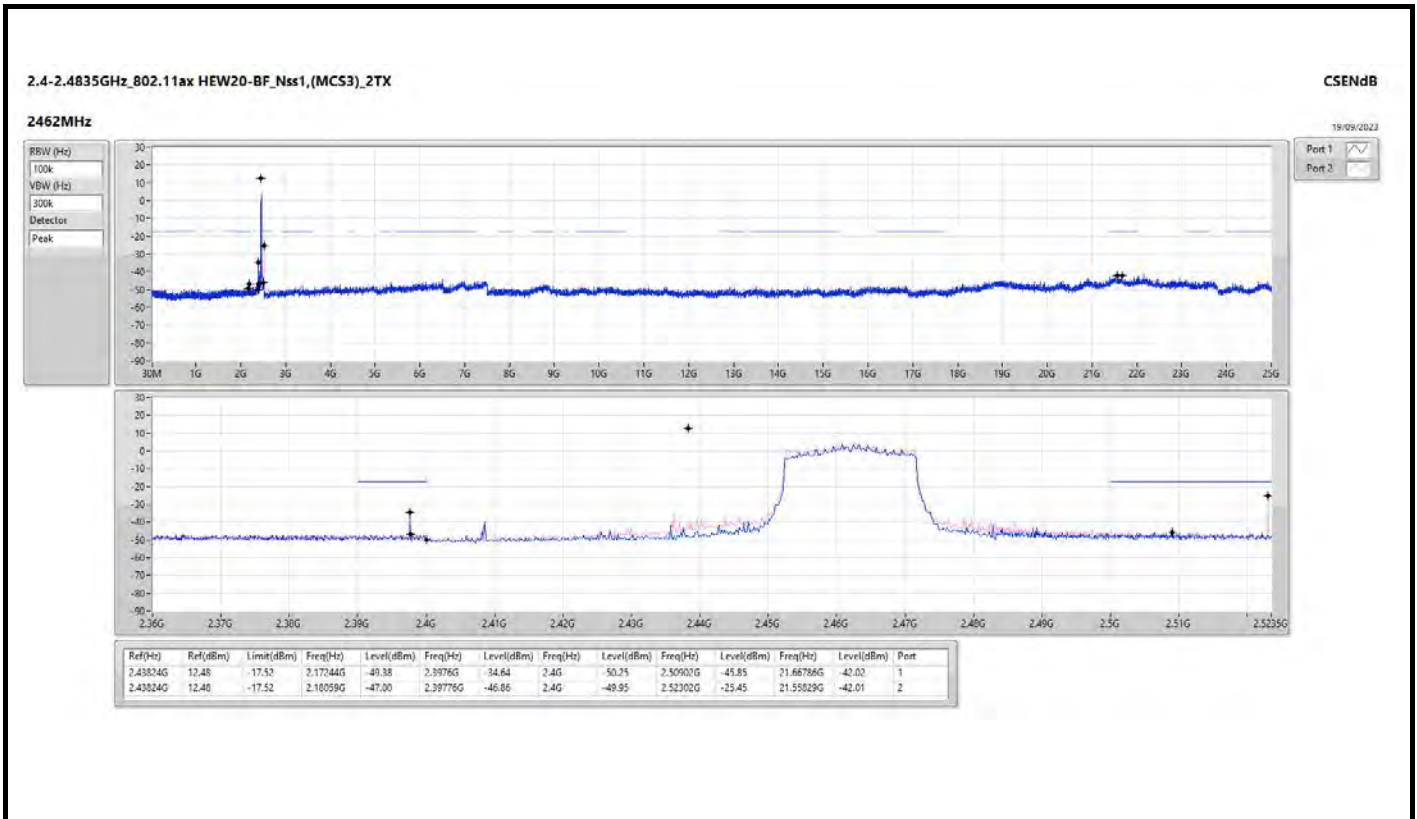


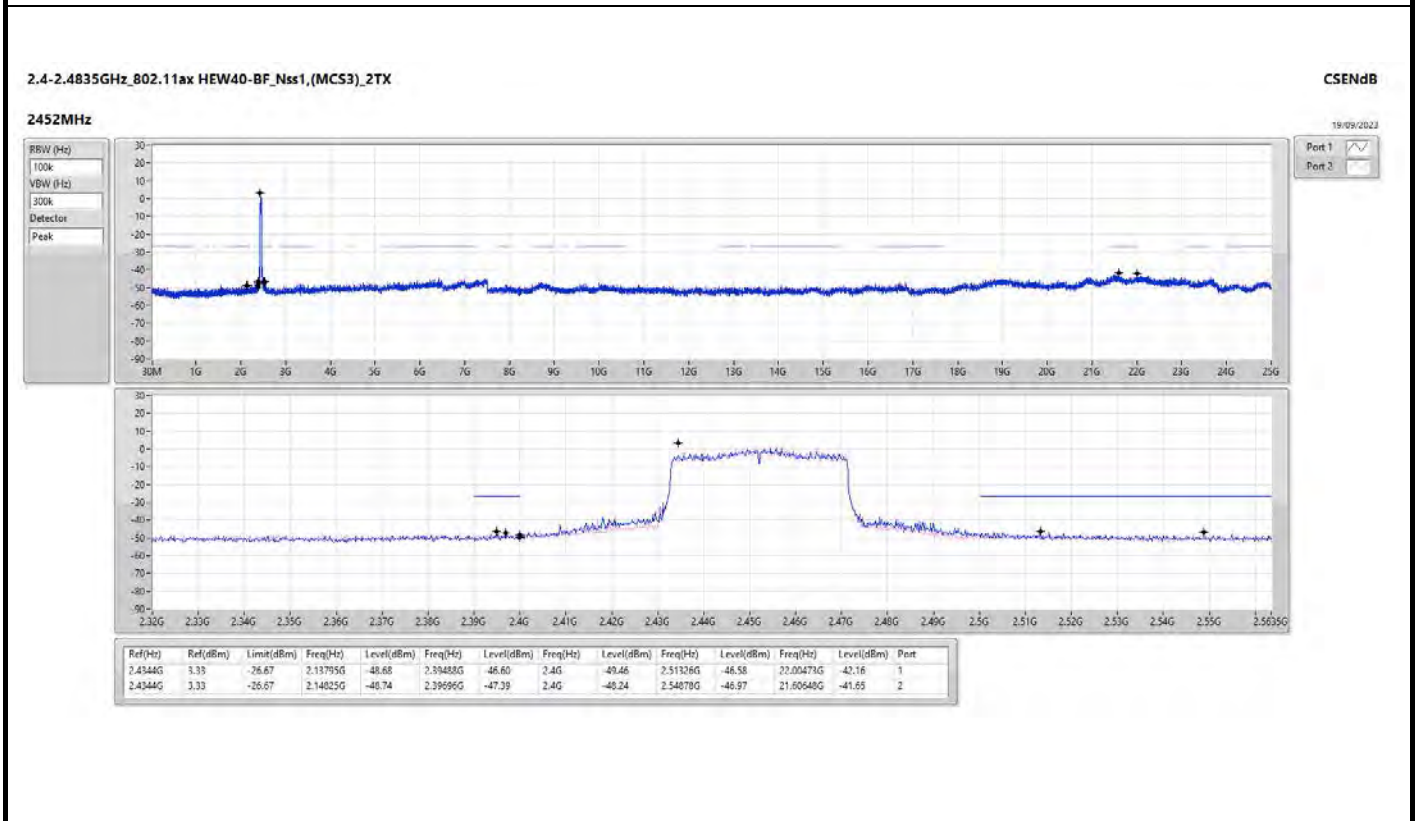
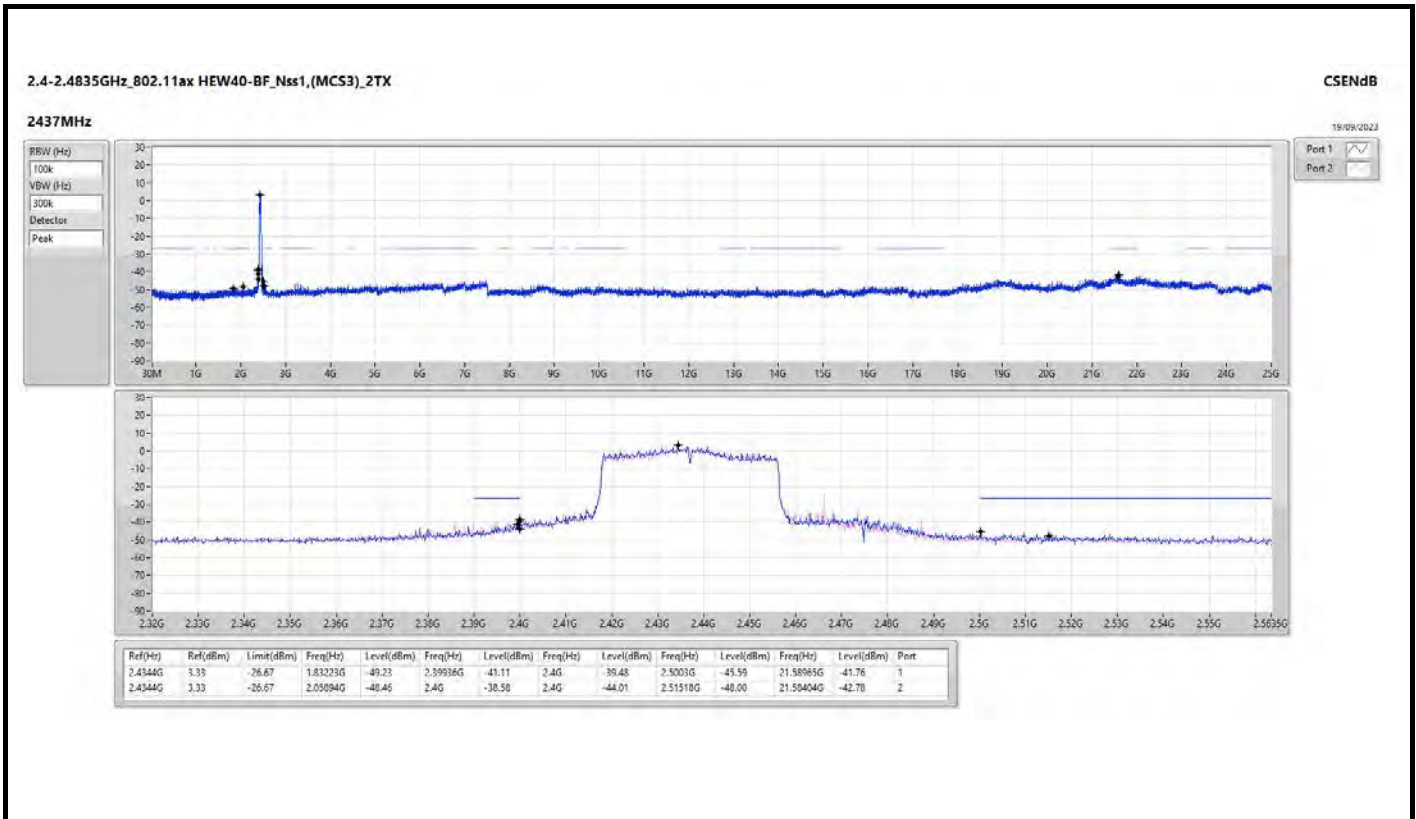










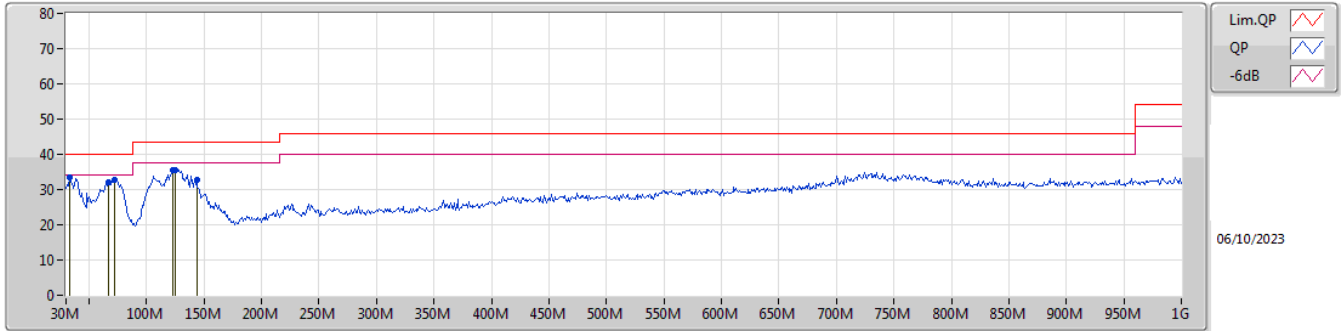




Summary

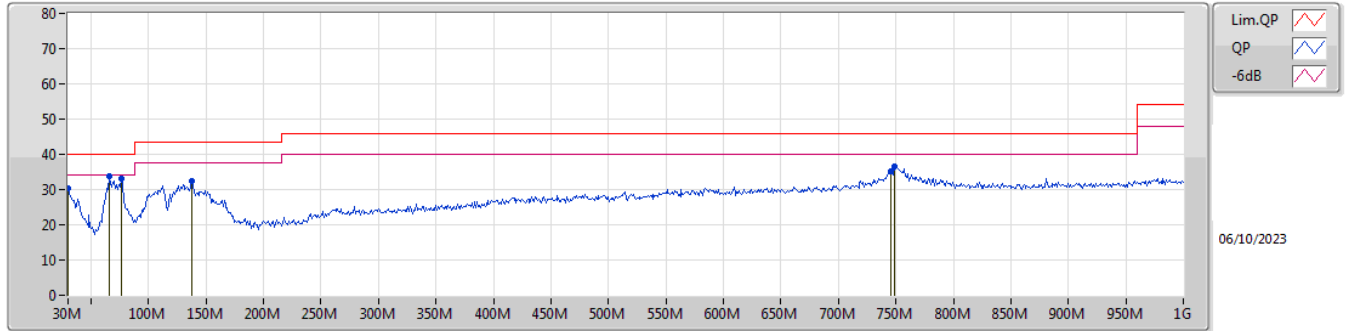
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	65.89M	33.88	40.00	-6.12	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	32.91M	33.33	40.00	-6.67	-21.37	3	Vertical	105	1.00	"Worst"	54.70	22.25	0.70	44.32
PK	66.86M	31.94	40.00	-8.06	-32.32	3	Vertical	174	3.00	-	64.26	11.39	0.92	44.63
PK	71.71M	32.63	40.00	-7.37	-32.15	3	Vertical	0	1.25	-	64.78	11.48	0.98	44.61
PK	123.12M	35.45	43.50	-8.05	-26.18	3	Vertical	179	1.00	-	61.63	17.20	1.25	44.63
PK	125.06M	35.47	43.50	-8.03	-26.25	3	Vertical	192	1.25	-	61.72	17.11	1.26	44.62
PK	143.49M	32.60	43.50	-10.90	-27.20	3	Vertical	141	1.00	-	59.80	16.06	1.33	44.59

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	30.42	40.00	-9.58	-19.56	3	Horizontal	68	3.00	-	49.98	24.08	0.68	44.32
PK	65.89M	33.88	40.00	-6.12	-32.34	3	Horizontal	78	3.00	"Worst"	66.22	11.38	0.91	44.63
PK	76.56M	33.06	40.00	-6.94	-31.88	3	Horizontal	128	3.00	-	64.94	11.72	1.00	44.60
PK	137.67M	32.46	43.50	-11.04	-26.89	3	Horizontal	114	2.00	-	59.35	16.40	1.31	44.60
PK	745.86M	35.31	46.00	-10.69	-16.03	3	Horizontal	288	1.00	-	51.34	24.66	2.93	43.62
PK	748.77M	36.70	46.00	-9.30	-15.98	3	Horizontal	110	1.00	-	52.68	24.71	2.93	43.62

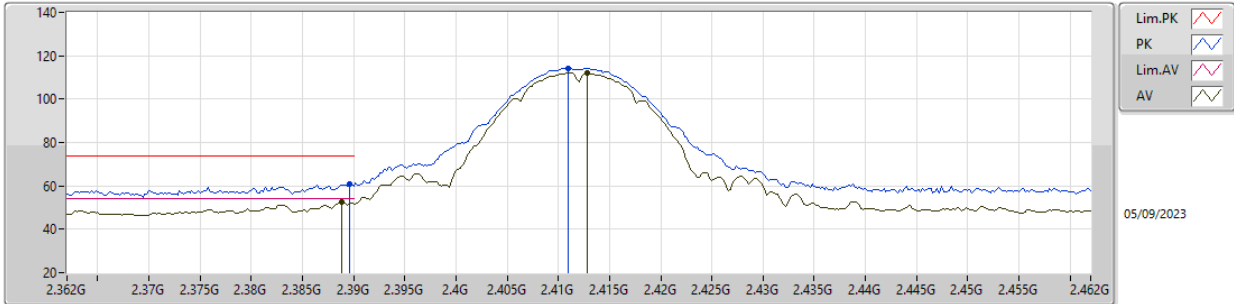


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4858G	53.94	54.00	-0.06	3	Horizontal	165	2.82	-

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

2412MHz_TX

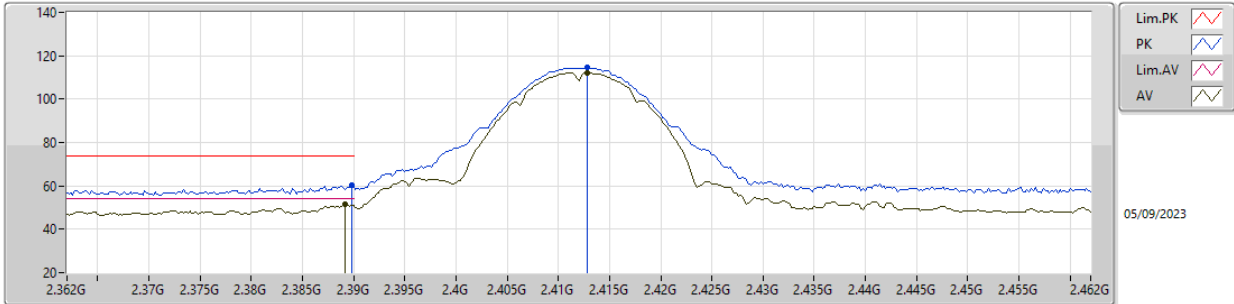


EUT_Z_2TX
Setting Z1
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	60.64	74.00	-13.36	29.81	3	Vertical	300	2.54	-	27.64	3.19	-
AV	2.3888G	52.64	54.00	-1.36	21.82	3	Vertical	300	2.54	-	27.63	3.19	-
PK	2.411G	114.26	Inf	-Inf	83.35	3	Vertical	300	2.54	-	27.70	3.21	-
AV	2.4128G	112.00	Inf	-Inf	81.09	3	Vertical	300	2.54	-	27.70	3.21	-

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

2412MHz_TX

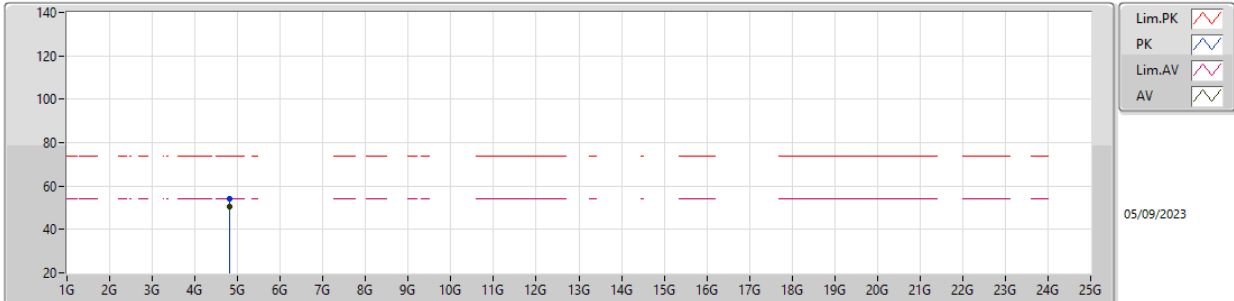


EUT_Z_2TX
Setting Z1
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	60.09	74.00	-13.91	29.26	3	Horizontal	157	2.58	-	27.64	3.19	-
AV	2.3892G	51.31	54.00	-2.69	20.48	3	Horizontal	157	2.58	-	27.64	3.19	-
PK	2.4128G	114.62	Inf	-Inf	83.71	3	Horizontal	157	2.58	-	27.70	3.21	-
AV	2.4128G	112.32	Inf	-Inf	81.41	3	Horizontal	157	2.58	-	27.70	3.21	-

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

2412MHz_TX

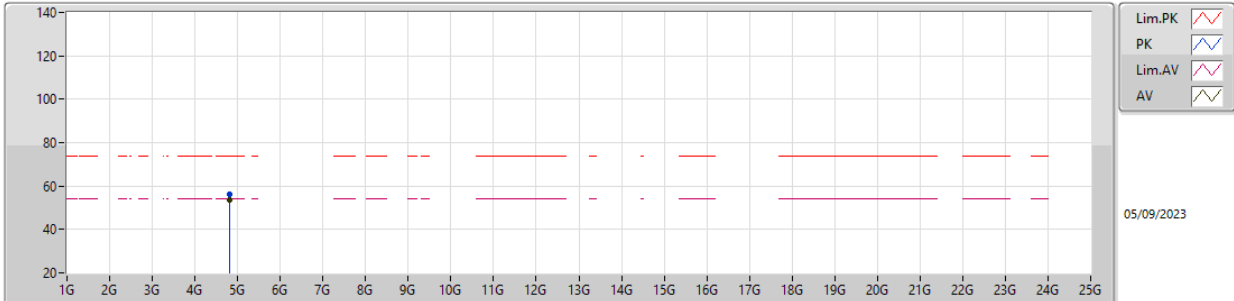


EUT_Z_2TX
Setting Z1
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8239G	54.19	74.00	-19.81	48.87	3	Vertical	162	1.39	-	32.65	5.30	32.63
AV	4.82402G	50.70	54.00	-3.30	45.38	3	Vertical	162	1.39	-	32.65	5.30	32.63

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

2412MHz_TX

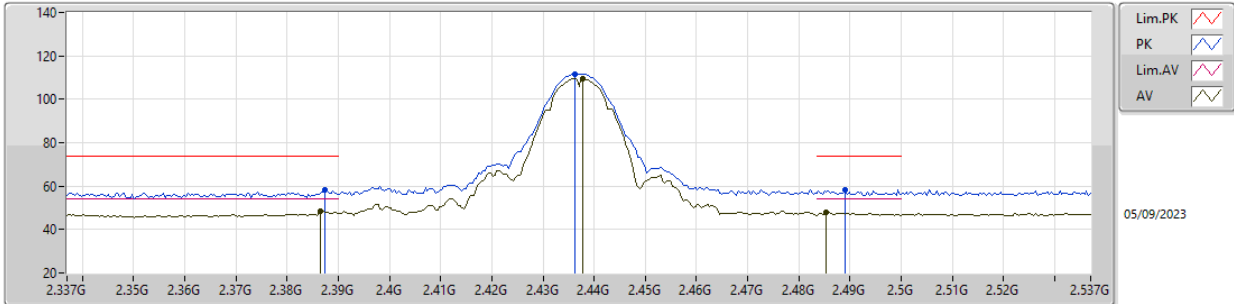


EUT_Z_2TX
Setting 21
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	56.17	74.00	-17.83	50.85	3	Horizontal	55	2.31	-	32.65	5.30	32.63
AV	4.824G	53.86	54.00	-0.14	48.54	3	Horizontal	55	2.31	-	32.65	5.30	32.63

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

2437MHz_TX

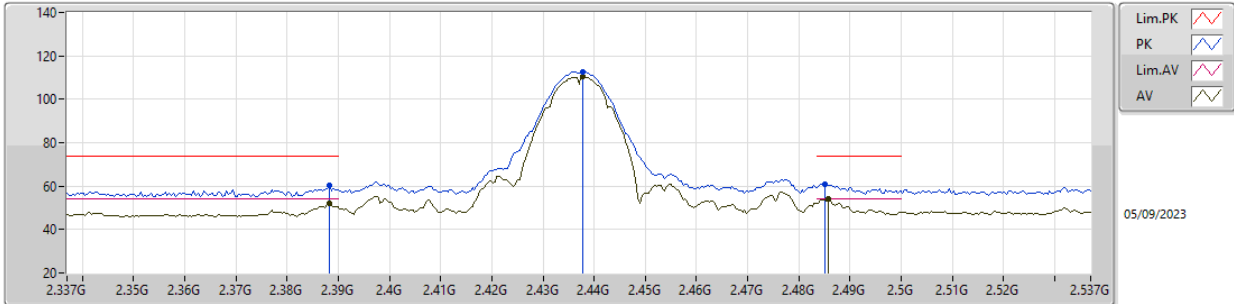


EUT_Z_2TX
Setting 19
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3874G	58.03	74.00	-15.97	27.22	3	Vertical	318	2.38	-	27.62	3.19	-
AV	2.3866G	48.70	54.00	-5.30	17.89	3	Vertical	318	2.38	-	27.62	3.19	-
PK	2.4362G	111.74	Inf	-Inf	80.80	3	Vertical	318	2.38	-	27.70	3.24	-
AV	2.4378G	109.38	Inf	-Inf	78.44	3	Vertical	318	2.38	-	27.70	3.24	-
PK	2.489G	58.18	74.00	-15.82	27.03	3	Vertical	318	2.38	-	27.86	3.29	-
AV	2.4854G	47.71	54.00	-6.29	16.58	3	Vertical	318	2.38	-	27.84	3.29	-

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

2437MHz_TX

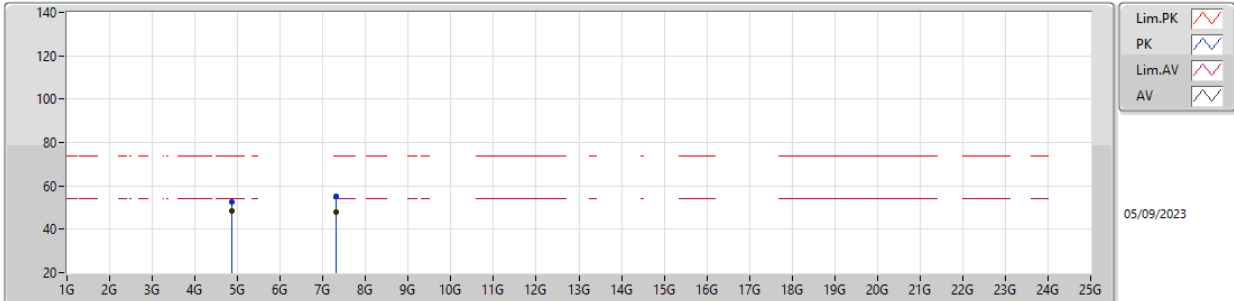


EUT_Z_2TX
Setting 19
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	60.12	74.00	-13.88	29.30	3	Horizontal	165	2.82	-	27.63	3.19	-
AV	2.3882G	51.94	54.00	-2.06	21.12	3	Horizontal	165	2.82	-	27.63	3.19	-
PK	2.4378G	112.70	Inf	-Inf	81.76	3	Horizontal	165	2.82	-	27.70	3.24	-
AV	2.4378G	110.31	Inf	-Inf	79.37	3	Horizontal	165	2.82	-	27.70	3.24	-
PK	2.485G	60.88	74.00	-13.12	29.75	3	Horizontal	165	2.82	-	27.84	3.29	-
AV	2.4859G	53.94	54.00	-0.06	22.81	3	Horizontal	165	2.82	-	27.84	3.29	-

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

2437MHz_TX

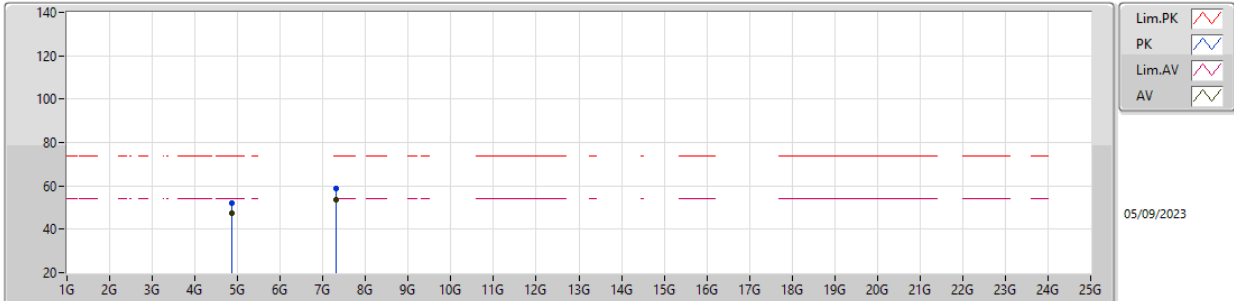


EUT_Z_2TX
Setting 19
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8741G	52.68	74.00	-21.32	47.14	3	Vertical	161	1.80	-	32.75	5.30	32.51
AV	4.87402G	48.65	54.00	-5.35	43.11	3	Vertical	161	1.80	-	32.75	5.30	32.51
PK	7.30988G	54.92	74.00	-19.08	44.40	3	Vertical	220	2.73	-	37.70	6.91	34.09
AV	7.31014G	47.87	54.00	-6.13	37.35	3	Vertical	220	2.73	-	37.70	6.91	34.09

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

2437MHz_TX

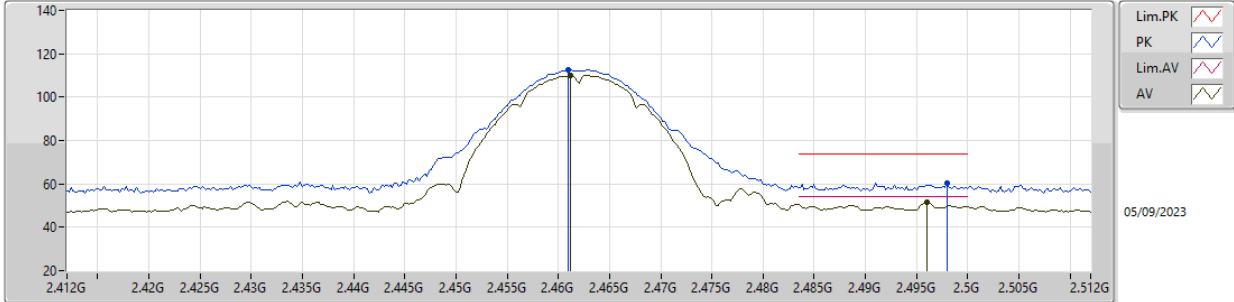


EUT_Z_2TX
Setting 19
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87406G	51.93	74.00	-22.07	46.39	3	Horizontal	58	2.36	-	32.75	5.30	32.51
AV	4.87398G	47.43	54.00	-6.57	41.89	3	Horizontal	58	2.36	-	32.75	5.30	32.51
PK	7.31128G	58.78	74.00	-15.22	48.26	3	Horizontal	307	2.40	-	37.70	6.91	34.09
AV	7.3101G	53.85	54.00	-0.15	43.33	3	Horizontal	307	2.40	-	37.70	6.91	34.09

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

2462MHz_TX

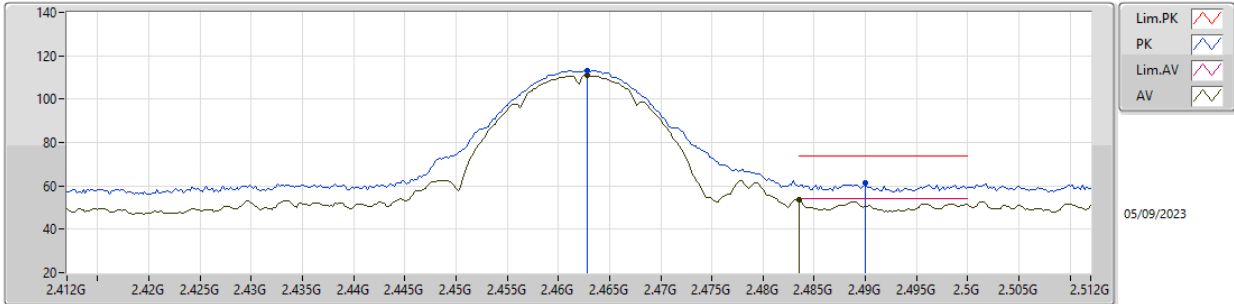


EUT_Z_2TX
Setting Z1
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	112.44	Inf	-Inf	81.44	3	Vertical	78	1.97	-	27.74	3.26	-
AV	2.4612G	110.15	Inf	-Inf	79.15	3	Vertical	78	1.97	-	27.74	3.26	-
PK	2.498G	60.30	74.00	-13.70	29.11	3	Vertical	78	1.97	-	27.89	3.30	-
AV	2.496G	51.38	54.00	-2.62	20.20	3	Vertical	78	1.97	-	27.88	3.30	-

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

2462MHz_TX

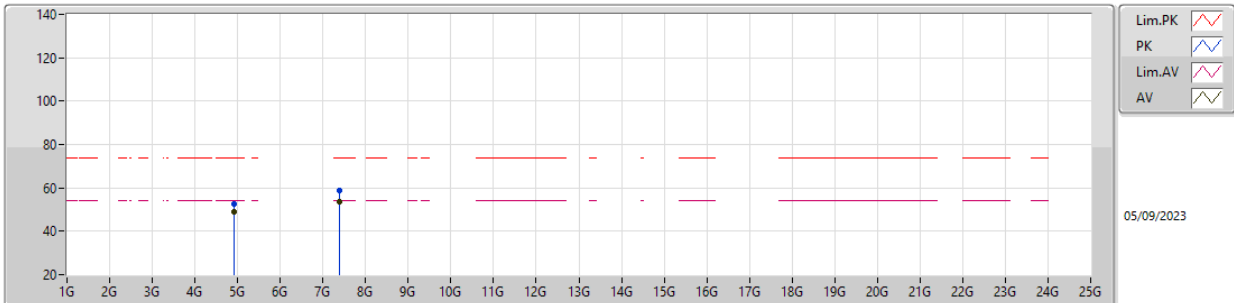


EUT_Z_2TX
Setting 21
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4628G	113.28	Inf	-Inf	82.27	3	Horizontal	138	2.65	-	27.75	3.26	-
AV	2.4628G	110.91	Inf	-Inf	79.90	3	Horizontal	138	2.65	-	27.75	3.26	-
PK	2.49G	61.39	74.00	-12.61	30.24	3	Horizontal	138	2.65	-	27.86	3.29	-
AV	2.4835G	53.38	54.00	-0.62	22.27	3	Horizontal	138	2.65	-	27.83	3.28	-

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

2462MHz_TX

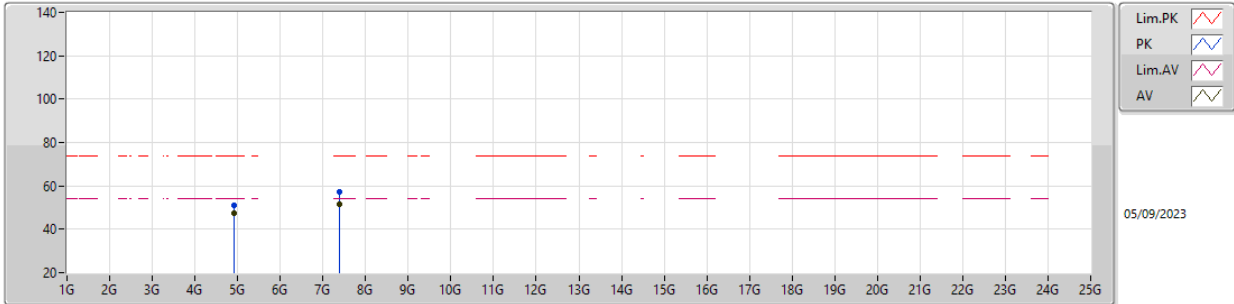


EUT_Z_2TX
Setting 21
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92386G	52.46	74.00	-21.54	46.70	3	Vertical	160	1.80	-	32.85	5.30	32.39
AV	4.92396G	48.74	54.00	-5.26	42.98	3	Vertical	160	1.80	-	32.85	5.30	32.39
PK	7.38686G	58.83	74.00	-15.17	48.41	3	Vertical	309	1.85	-	37.55	6.99	34.12
AV	7.38664G	53.37	54.00	-0.63	42.95	3	Vertical	309	1.85	-	37.55	6.99	34.12

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

2462MHz_TX

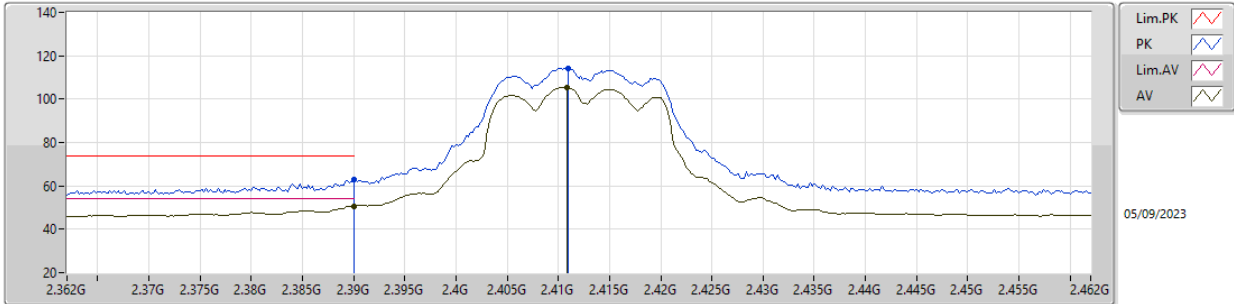


EUT_Z_2TX
Setting Z1
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92392G	51.01	74.00	-22.99	45.25	3	Horizontal	64	3.00	-	32.85	5.30	32.39
AV	4.92398G	47.19	54.00	-6.81	41.43	3	Horizontal	64	3.00	-	32.85	5.30	32.39
PK	7.38668G	57.42	74.00	-16.58	47.00	3	Horizontal	360	2.17	-	37.55	6.99	34.12
AV	7.38668G	51.31	54.00	-2.69	40.89	3	Horizontal	360	2.17	-	37.55	6.99	34.12

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

2412MHz_TX

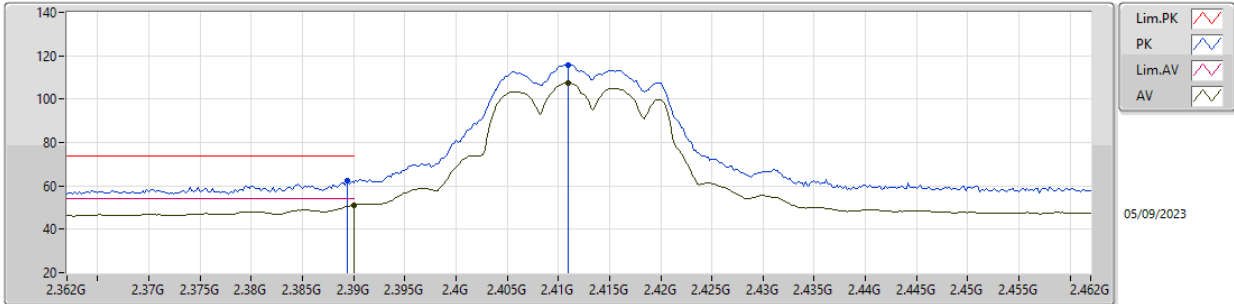


EUT_Z_2TX
Setting 17
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	62.75	74.00	-11.25	31.91	3	Vertical	90	2.05	-	27.64	3.20	-
AV	2.39G	50.64	54.00	-3.36	19.80	3	Vertical	90	2.05	-	27.64	3.20	-
PK	2.411G	114.27	Inf	-Inf	83.36	3	Vertical	90	2.05	-	27.70	3.21	-
AV	2.4108G	105.37	Inf	-Inf	74.46	3	Vertical	90	2.05	-	27.70	3.21	-

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

2412MHz_TX

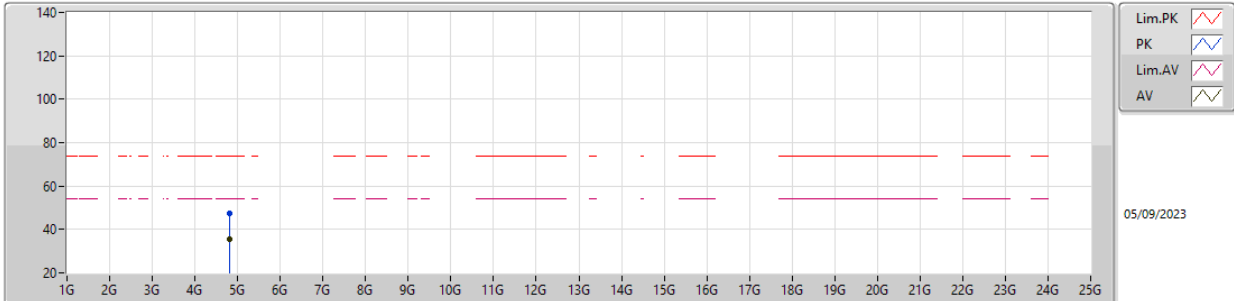





EUT_Z_2TX
Setting 17
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	62.31	74.00	-11.69	31.48	3	Horizontal	139	2.54	-	27.64	3.19	-
AV	2.39G	51.06	54.00	-2.94	20.22	3	Horizontal	139	2.54	-	27.64	3.20	-
PK	2.411G	115.93	Inf	-Inf	85.02	3	Horizontal	139	2.54	-	27.70	3.21	-
AV	2.411G	107.48	Inf	-Inf	76.57	3	Horizontal	139	2.54	-	27.70	3.21	-

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

2412MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

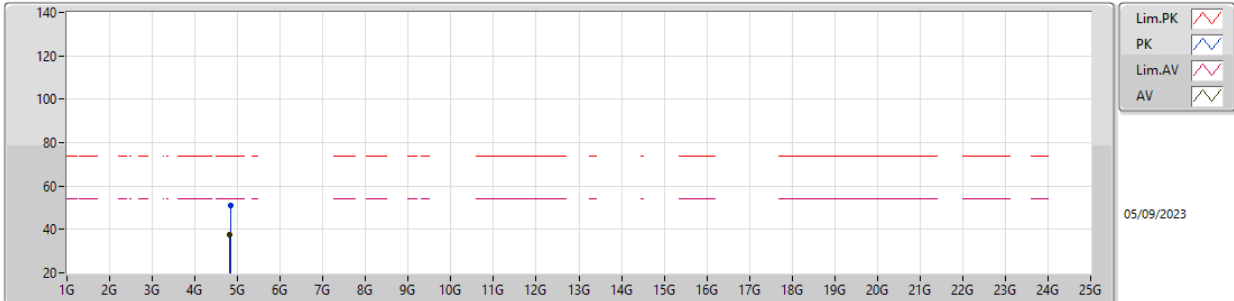
05/09/2023

EUT_Z_2TX
 Setting 17
 04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82472G	47.63	74.00	-26.37	42.30	3	Vertical	20	1.89	-	32.65	5.30	32.62
AV	4.82416G	35.54	54.00	-18.46	30.21	3	Vertical	20	1.89	-	32.65	5.30	32.62

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

2412MHz_TX

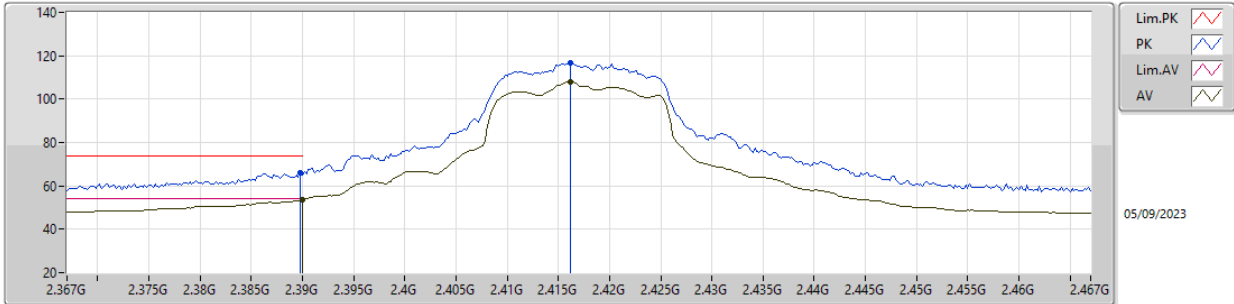


EUT_Z_2TX
Setting 17
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82512G	51.15	74.00	-22.85	45.82	3	Horizontal	55	2.20	-	32.65	5.30	32.62
AV	4.82424G	37.53	54.00	-16.47	32.20	3	Horizontal	55	2.20	-	32.65	5.30	32.62

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

2417MHz_TX

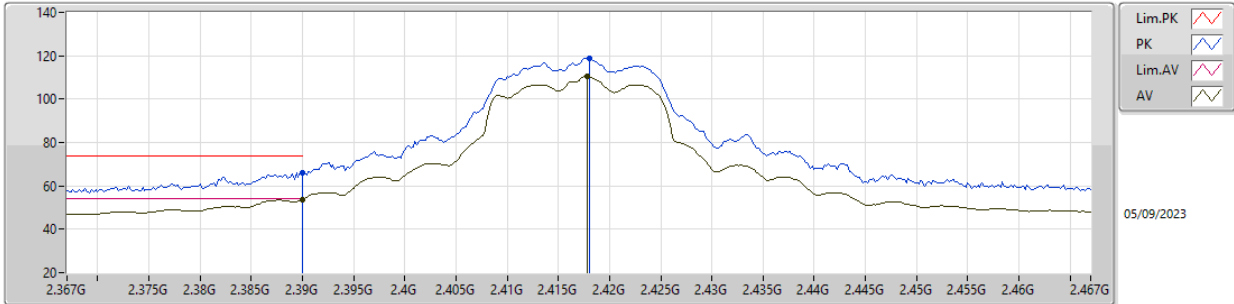


EUT_Z_2TX
Setting 19.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	65.94	74.00	-8.06	35.11	3	Vertical	336	1.91	-	27.64	3.19	-
AV	2.39G	53.82	54.00	-0.18	22.98	3	Vertical	336	1.91	-	27.64	3.20	-
PK	2.4162G	116.95	Inf	-Inf	86.03	3	Vertical	336	1.91	-	27.70	3.22	-
AV	2.4162G	108.06	Inf	-Inf	77.14	3	Vertical	336	1.91	-	27.70	3.22	-

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

2417MHz_TX

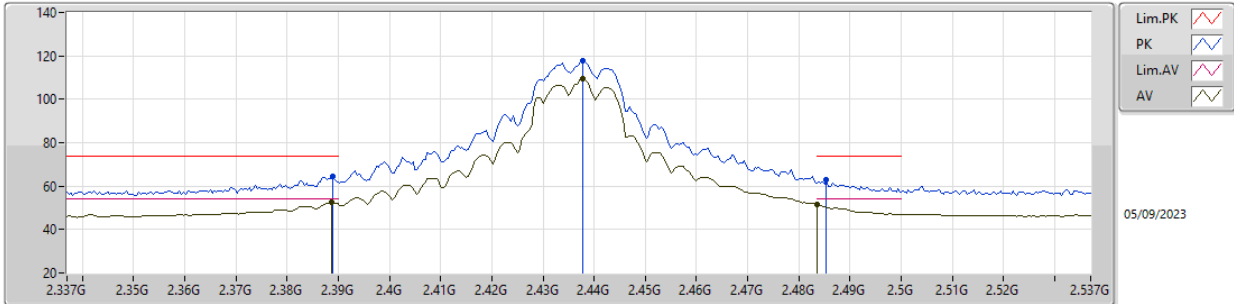


EUT_Z_2TX
Setting 19.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	66.17	74.00	-7.83	35.33	3	Horizontal	157	2.28	-	27.64	3.20	-
AV	2.39G	53.52	54.00	-0.48	22.68	3	Horizontal	157	2.28	-	27.64	3.20	-
PK	2.418G	118.88	Inf	-Inf	87.96	3	Horizontal	157	2.28	-	27.70	3.22	-
AV	2.4178G	110.41	Inf	-Inf	79.49	3	Horizontal	157	2.28	-	27.70	3.22	-

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

2437MHz_TX

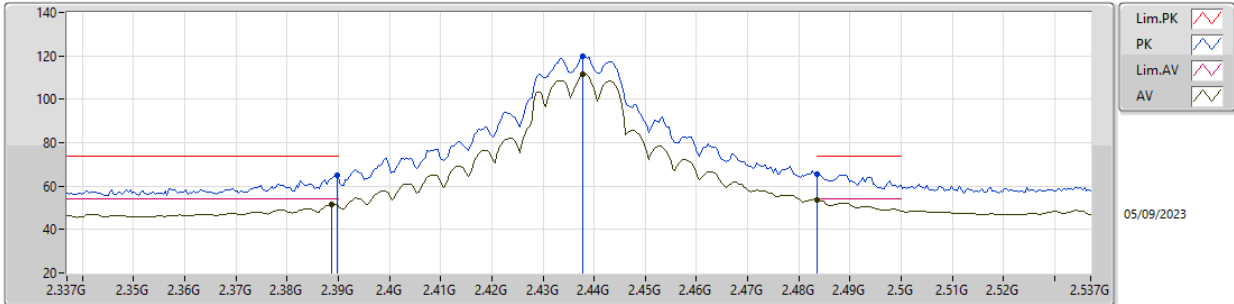


EUT_Z_2TX
Setting 21.5
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	64.27	74.00	-9.73	33.45	3	Vertical	95	2.30	-	27.63	3.19	-
AV	2.3886G	52.41	54.00	-1.59	21.59	3	Vertical	95	2.30	-	27.63	3.19	-
PK	2.4378G	117.69	Inf	-Inf	86.75	3	Vertical	95	2.30	-	27.70	3.24	-
AV	2.4378G	109.44	Inf	-Inf	78.50	3	Vertical	95	2.30	-	27.70	3.24	-
PK	2.4854G	62.87	74.00	-11.13	31.74	3	Vertical	95	2.30	-	27.84	3.29	-
AV	2.4835G	51.50	54.00	-2.50	20.39	3	Vertical	95	2.30	-	27.83	3.28	-

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

2437MHz_TX

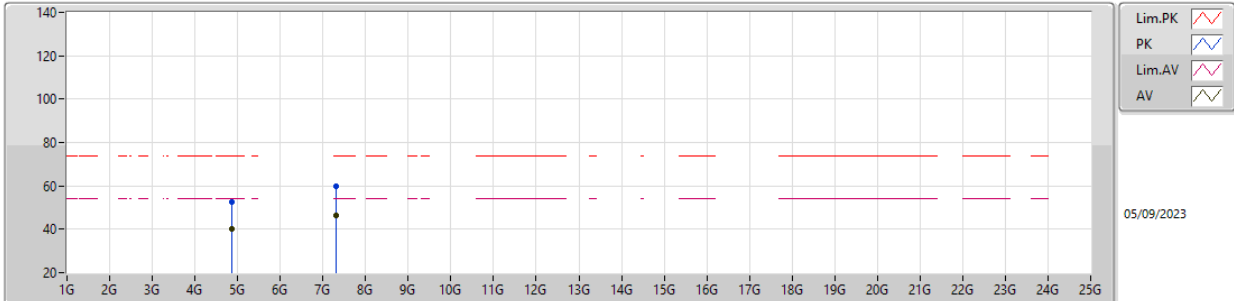


EUT_Z_2TX
Setting 21.5
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	64.80	74.00	-9.20	33.97	3	Horizontal	138	2.41	-	27.64	3.19	-
AV	2.3886G	51.43	54.00	-2.57	20.61	3	Horizontal	138	2.41	-	27.63	3.19	-
PK	2.4378G	119.78	Inf	-Inf	88.84	3	Horizontal	138	2.41	-	27.70	3.24	-
AV	2.4378G	111.65	Inf	-Inf	80.71	3	Horizontal	138	2.41	-	27.70	3.24	-
PK	2.4835G	65.52	74.00	-8.48	34.41	3	Horizontal	138	2.41	-	27.83	3.28	-
AV	2.4835G	53.82	54.00	-0.18	22.71	3	Horizontal	138	2.41	-	27.83	3.28	-

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

2437MHz_TX

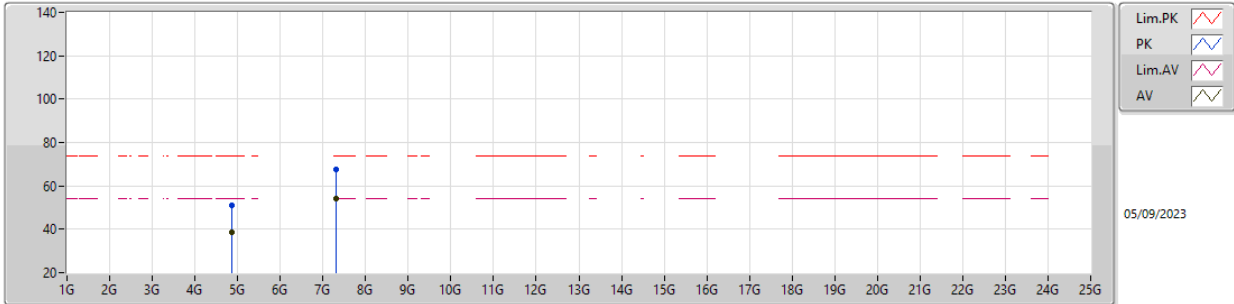


EUT_Z_2TX
Setting 21.5
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8696G	52.47	74.00	-21.53	46.95	3	Vertical	159	1.43	-	32.74	5.30	32.52
AV	4.87412G	40.12	54.00	-13.88	34.58	3	Vertical	159	1.43	-	32.75	5.30	32.51
PK	7.30608G	59.62	74.00	-14.38	49.10	3	Vertical	310	2.15	-	37.70	6.91	34.09
AV	7.3112G	46.44	54.00	-7.56	35.92	3	Vertical	310	2.15	-	37.70	6.91	34.09

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

2437MHz_TX

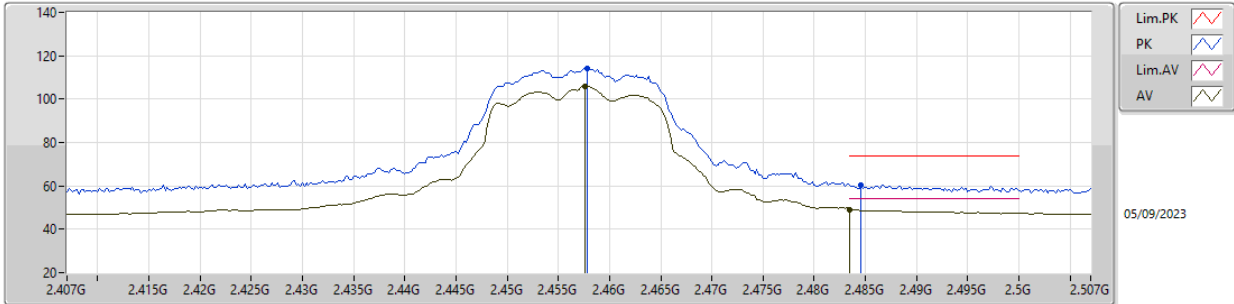


EUT_Z_2TX
Setting 21.5
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87468G	50.98	74.00	-23.02	45.44	3	Horizontal	58	2.04	-	32.75	5.30	32.51
AV	4.87404G	38.70	54.00	-15.30	33.16	3	Horizontal	58	2.04	-	32.75	5.30	32.51
PK	7.30588G	67.58	74.00	-6.42	57.06	3	Horizontal	303	2.38	-	37.70	6.91	34.09
AV	7.3114G	53.88	54.00	-0.12	43.36	3	Horizontal	303	2.38	-	37.70	6.91	34.09

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

2457MHz_TX

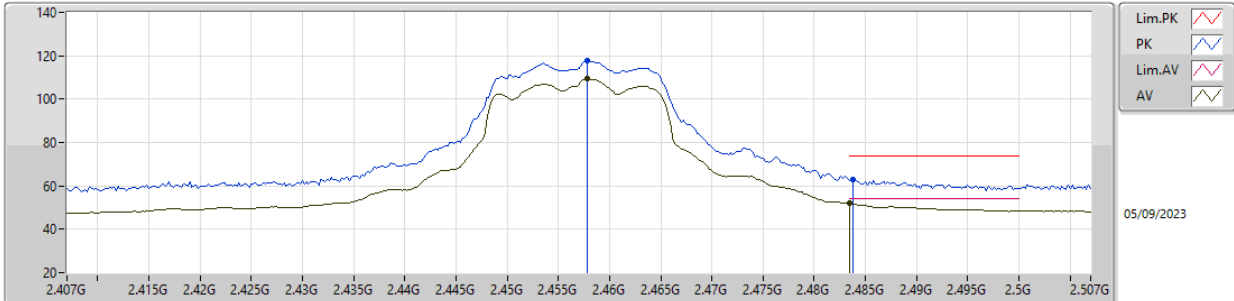


EUT_Z_2TX
Setting 18.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4578G	114.35	Inf	-Inf	83.36	3	Vertical	324	2.34	-	27.73	3.26	-
AV	2.4576G	105.93	Inf	-Inf	74.94	3	Vertical	324	2.34	-	27.73	3.26	-
PK	2.4846G	60.58	74.00	-13.42	29.46	3	Vertical	324	2.34	-	27.84	3.28	-
AV	2.4835G	49.09	54.00	-4.91	17.98	3	Vertical	324	2.34	-	27.83	3.28	-

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

2457MHz_TX

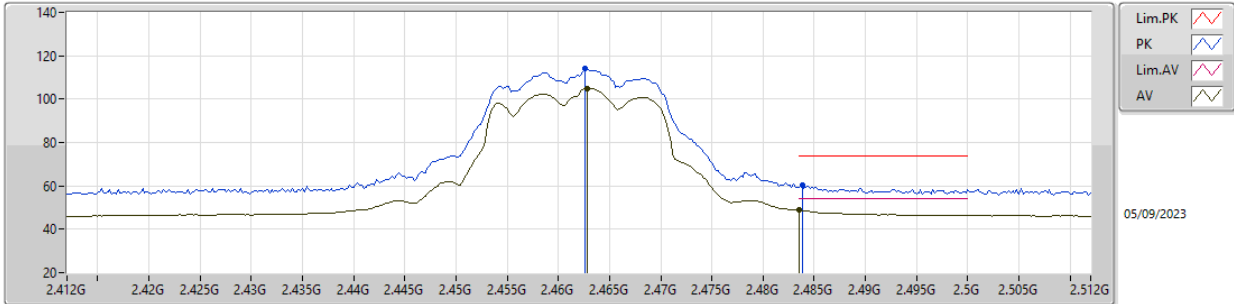


EUT_Z_2TX
Setting 18.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4578G	117.59	Inf	-Inf	86.60	3	Horizontal	158	2.20	-	27.73	3.26	-
AV	2.4578G	109.26	Inf	-Inf	78.27	3	Horizontal	158	2.20	-	27.73	3.26	-
PK	2.4838G	63.01	74.00	-10.99	31.89	3	Horizontal	158	2.20	-	27.84	3.28	-
AV	2.4835G	51.91	54.00	-2.09	20.80	3	Horizontal	158	2.20	-	27.83	3.28	-

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

2462MHz_TX

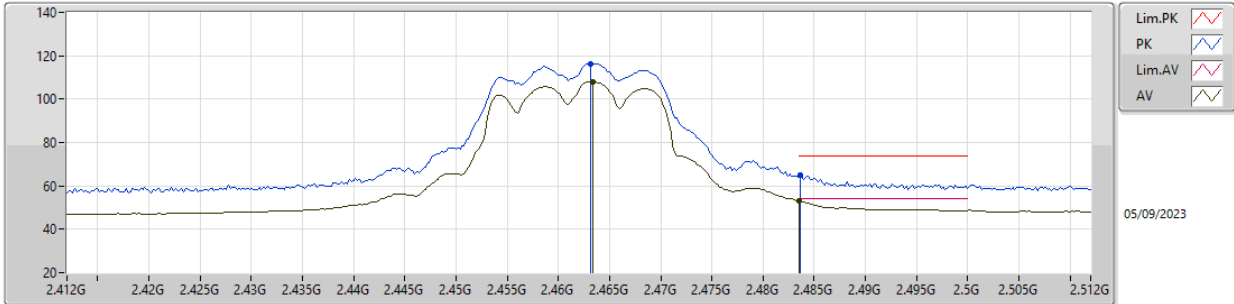


EUT_Z_2TX
Setting 18
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4626G	114.18	Inf	-Inf	83.17	3	Vertical	98	1.98	-	27.75	3.26	-
AV	2.4628G	104.99	Inf	-Inf	73.98	3	Vertical	98	1.98	-	27.75	3.26	-
PK	2.4838G	60.18	74.00	-13.82	29.06	3	Vertical	98	1.98	-	27.84	3.28	-
AV	2.4835G	48.71	54.00	-5.29	17.60	3	Vertical	98	1.98	-	27.83	3.28	-

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

2462MHz_TX

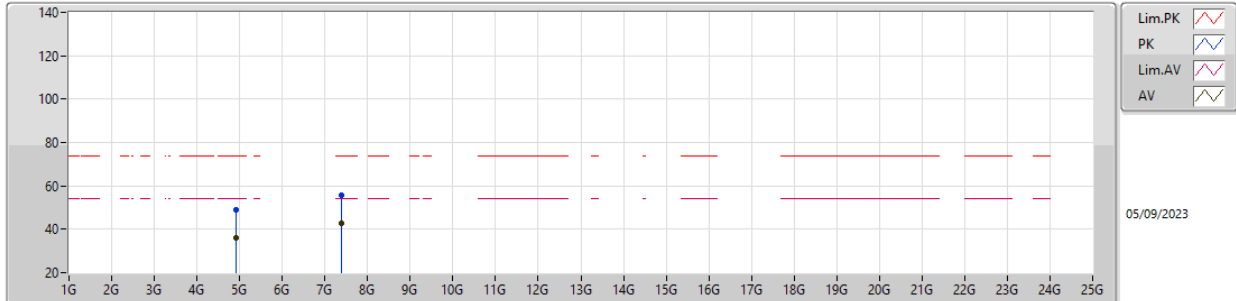


EUT_Z_2TX
Setting 18
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4632G	116.35	Inf	-Inf	85.34	3	Horizontal	141	2.65	-	27.75	3.26	-
AV	2.4634G	108.12	Inf	-Inf	77.11	3	Horizontal	141	2.65	-	27.75	3.26	-
PK	2.4836G	64.77	74.00	-9.23	33.66	3	Horizontal	141	2.65	-	27.83	3.28	-
AV	2.4835G	53.15	54.00	-0.85	22.04	3	Horizontal	141	2.65	-	27.83	3.28	-

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

2462MHz_TX

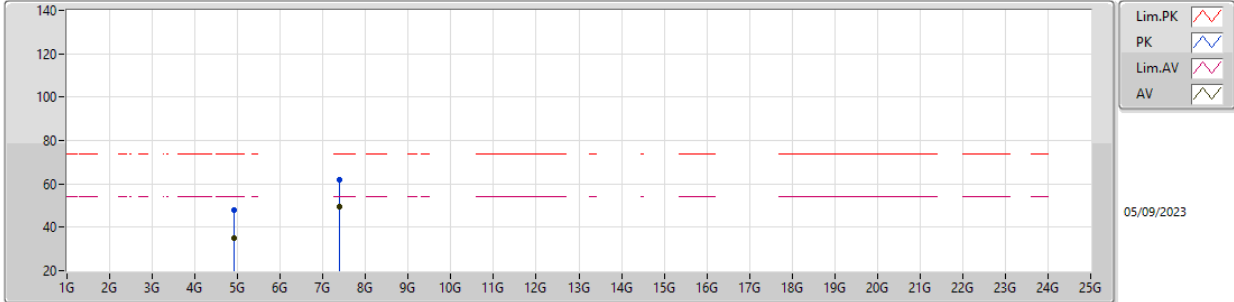


EUT_Z_2TX
Setting 18
04-H-A-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9198G	48.81	74.00	-25.19	43.07	3	Vertical	163	1.13	-	32.84	5.30	32.40
AV	4.92516G	35.84	54.00	-18.16	30.08	3	Vertical	163	1.13	-	32.85	5.30	32.39
PK	7.39244G	55.45	74.00	-18.55	45.06	3	Vertical	309	2.08	-	37.53	6.99	34.13
AV	7.38232G	42.84	54.00	-11.16	32.41	3	Vertical	309	2.08	-	37.57	6.98	34.12

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

2462MHz_TX

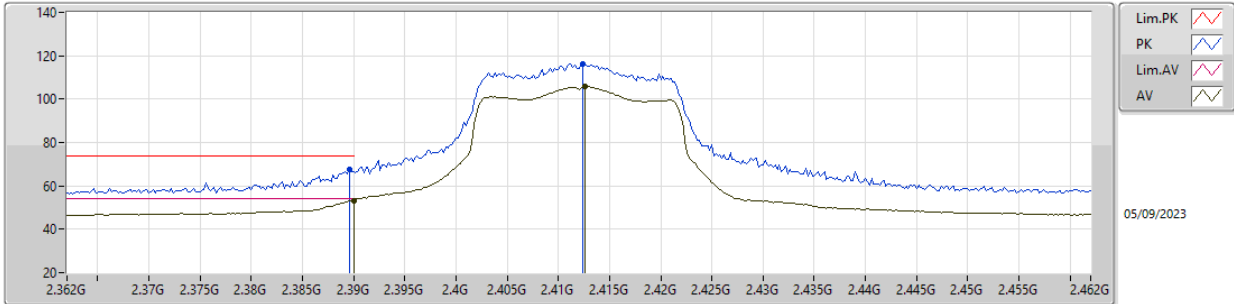


EUT_Z_2TX
Setting 18
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92548G	48.00	74.00	-26.00	42.24	3	Horizontal	180	2.22	-	32.85	5.30	32.39
AV	4.92604G	35.09	54.00	-18.91	29.32	3	Horizontal	180	2.22	-	32.85	5.30	32.38
PK	7.39004G	62.01	74.00	-11.99	51.61	3	Horizontal	306	2.42	-	37.54	6.99	34.13
AV	7.38492G	49.29	54.00	-4.71	38.87	3	Horizontal	306	2.42	-	37.56	6.98	34.12

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

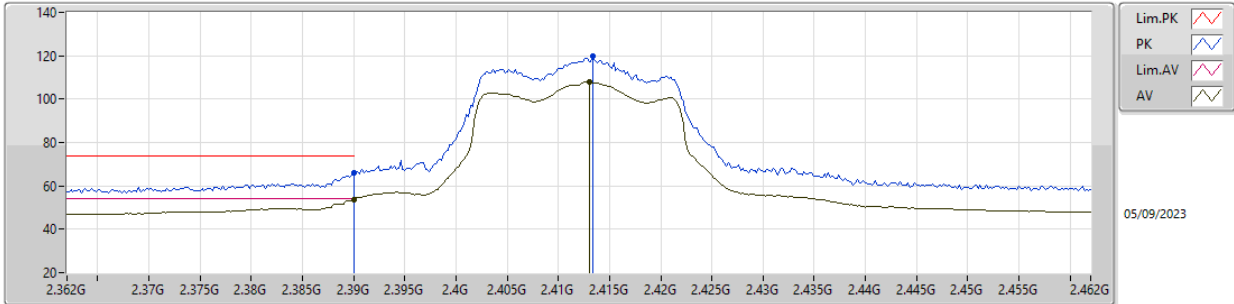


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	67.68	74.00	-6.32	36.85	3	Vertical	330	2.14	-	27.64	3.19	-
AV	2.39G	53.32	54.00	-0.68	22.48	3	Vertical	330	2.14	-	27.64	3.20	-
PK	2.4124G	116.36	Inf	-Inf	85.45	3	Vertical	330	2.14	-	27.70	3.21	-
AV	2.4126G	105.70	Inf	-Inf	74.79	3	Vertical	330	2.14	-	27.70	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX



Lim.PK
PK
Lim.AV
AV

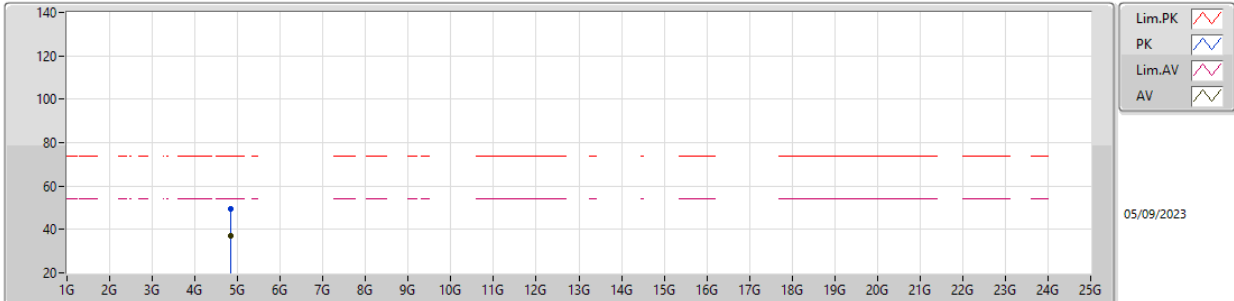
05/09/2023

EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.85	74.00	-8.15	35.01	3	Horizontal	166	2.56	-	27.64	3.20	-
AV	2.39G	53.42	54.00	-0.58	22.58	3	Horizontal	166	2.56	-	27.64	3.20	-
PK	2.4134G	119.84	Inf	-Inf	88.93	3	Horizontal	166	2.56	-	27.70	3.21	-
AV	2.413G	107.88	Inf	-Inf	76.97	3	Horizontal	166	2.56	-	27.70	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

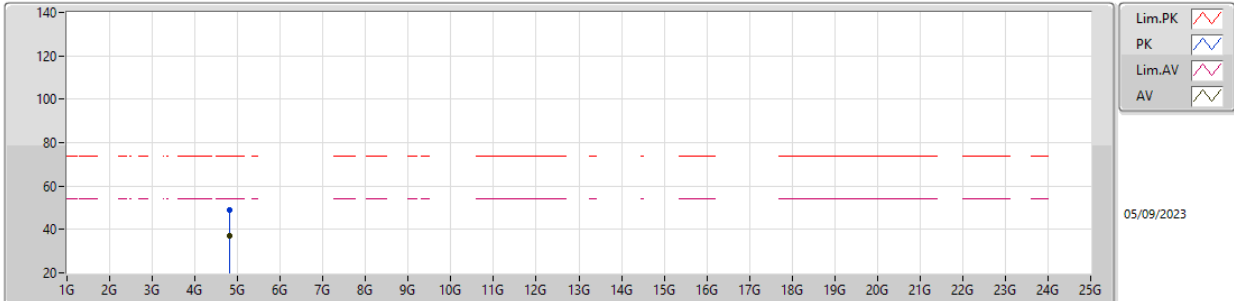


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8261G	49.70	74.00	-24.30	44.37	3	Vertical	174	2.12	-	32.65	5.30	32.62
AV	4.8249G	36.90	54.00	-17.10	31.57	3	Vertical	174	2.12	-	32.65	5.30	32.62

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

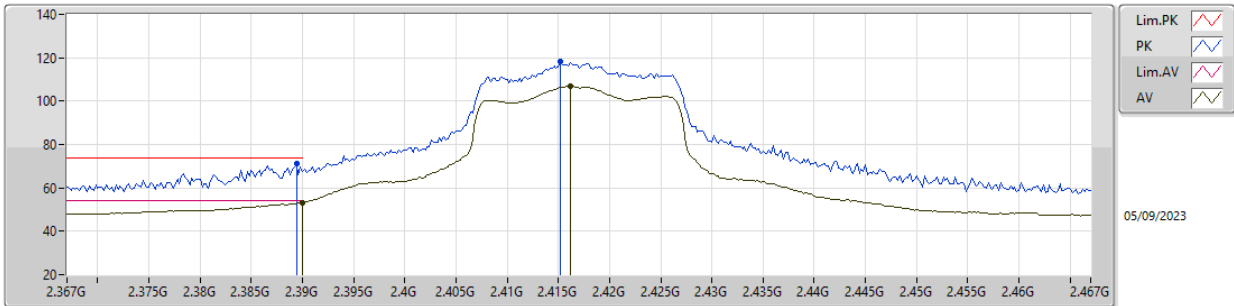


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8159G	49.04	74.00	-24.96	43.75	3	Horizontal	172	1.79	-	32.63	5.30	32.64
AV	4.8192G	37.05	54.00	-16.95	31.75	3	Horizontal	172	1.79	-	32.64	5.30	32.64

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

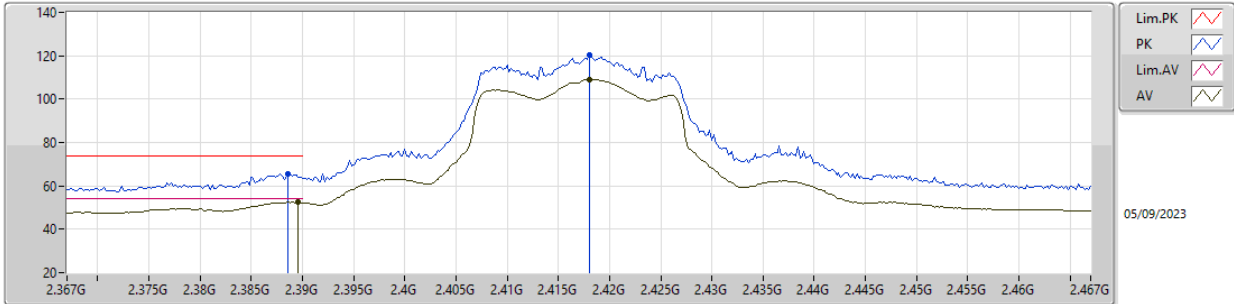


EUT_Z_2TX
Setting 18.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	71.02	74.00	-2.98	40.19	3	Vertical	334	1.90	-	27.64	3.19	-
AV	2.39G	53.10	54.00	-0.90	22.26	3	Vertical	334	1.90	-	27.64	3.20	-
PK	2.4152G	118.10	Inf	-Inf	87.18	3	Vertical	334	1.90	-	27.70	3.22	-
AV	2.4162G	106.92	Inf	-Inf	76.00	3	Vertical	334	1.90	-	27.70	3.22	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

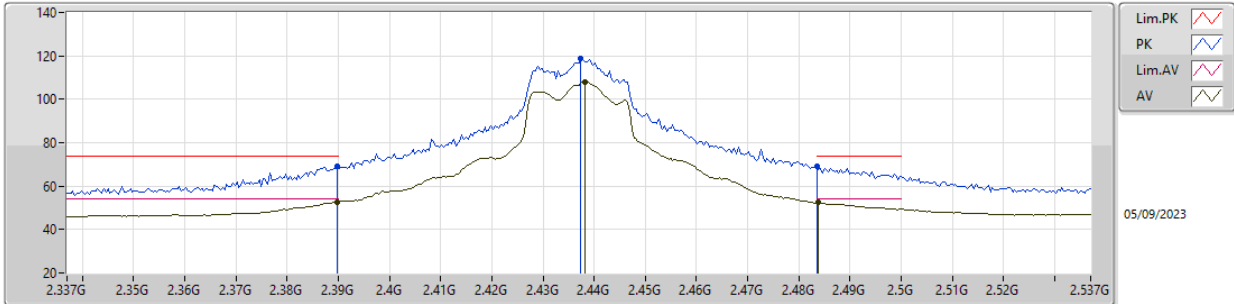


EUT_Z_2TX
Setting 18.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	65.71	74.00	-8.29	34.89	3	Horizontal	159	2.27	-	27.63	3.19	-
AV	2.3896G	52.42	54.00	-1.58	21.59	3	Horizontal	159	2.27	-	27.64	3.19	-
PK	2.418G	120.41	Inf	-Inf	89.49	3	Horizontal	159	2.27	-	27.70	3.22	-
AV	2.418G	109.17	Inf	-Inf	78.25	3	Horizontal	159	2.27	-	27.70	3.22	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

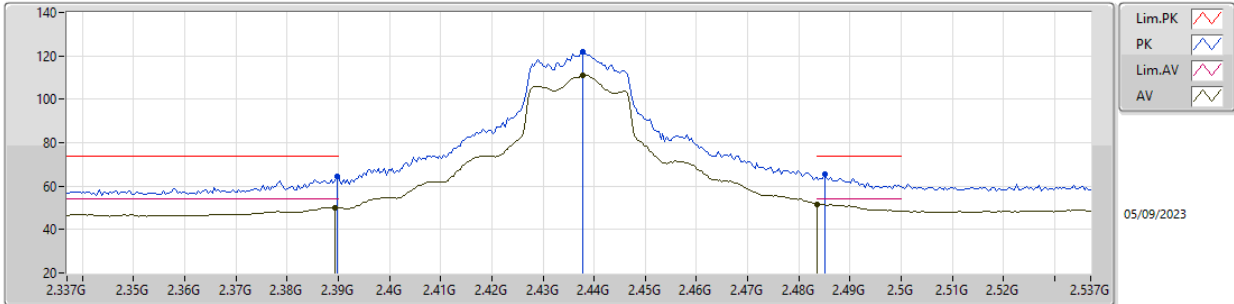


EUT_Z_2TX
Setting 20.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	69.19	74.00	-4.81	38.36	3	Vertical	314	1.82	-	27.64	3.19	-
AV	2.3898G	52.77	54.00	-1.23	21.94	3	Vertical	314	1.82	-	27.64	3.19	-
PK	2.4374G	118.76	Inf	-Inf	87.82	3	Vertical	314	1.82	-	27.70	3.24	-
AV	2.4382G	107.97	Inf	-Inf	77.03	3	Vertical	314	1.82	-	27.70	3.24	-
PK	2.4835G	69.29	74.00	-4.71	38.18	3	Vertical	314	1.82	-	27.83	3.28	-
AV	2.4838G	52.44	54.00	-1.56	21.32	3	Vertical	314	1.82	-	27.84	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

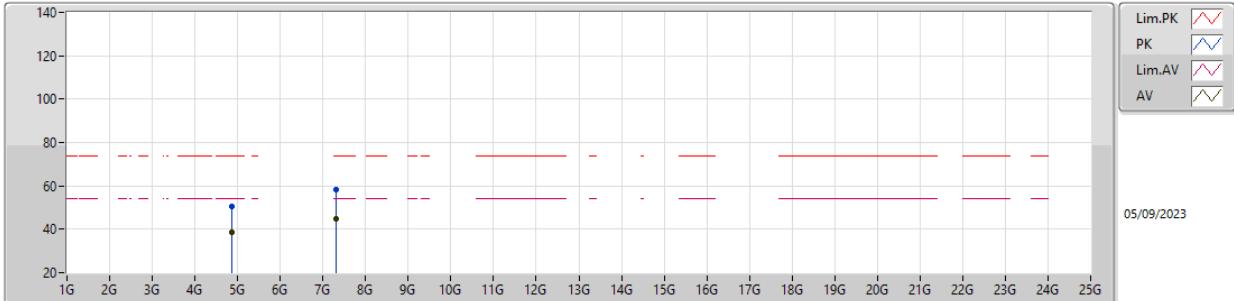


EUT_Z_2TX
Setting 20.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	64.74	74.00	-9.26	33.91	3	Horizontal	169	2.25	-	27.64	3.19	-
AV	2.3894G	50.04	54.00	-3.96	19.21	3	Horizontal	169	2.25	-	27.64	3.19	-
PK	2.4378G	121.88	Inf	-Inf	90.94	3	Horizontal	169	2.25	-	27.70	3.24	-
AV	2.4378G	111.21	Inf	-Inf	80.27	3	Horizontal	169	2.25	-	27.70	3.24	-
PK	2.485G	65.52	74.00	-8.48	34.39	3	Horizontal	169	2.25	-	27.84	3.29	-
AV	2.4835G	51.77	54.00	-2.23	20.66	3	Horizontal	169	2.25	-	27.83	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

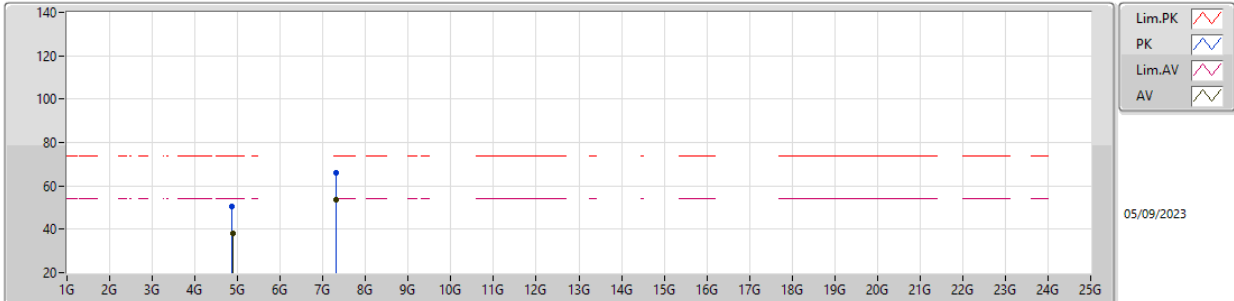


EUT_Z_2TX
Setting 20.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8755G	50.74	74.00	-23.26	45.19	3	Vertical	160	1.31	-	32.75	5.30	32.50
AV	4.8752G	38.63	54.00	-15.37	33.08	3	Vertical	160	1.31	-	32.75	5.30	32.50
PK	7.3128G	58.05	74.00	-15.95	47.54	3	Vertical	308	1.80	-	37.70	6.91	34.10
AV	7.3107G	44.89	54.00	-9.11	34.37	3	Vertical	308	1.80	-	37.70	6.91	34.09

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

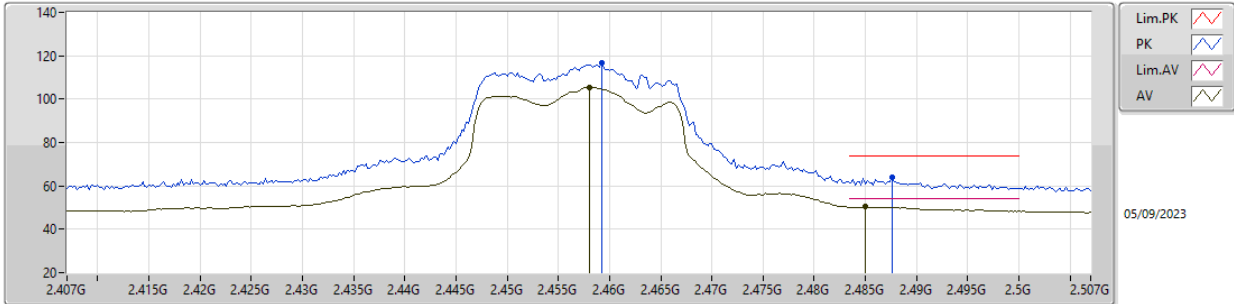


EUT_Z_2TX
Setting 20.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8676G	50.57	74.00	-23.43	45.05	3	Horizontal	169	2.10	-	32.74	5.30	32.52
AV	4.8776G	38.30	54.00	-15.70	32.74	3	Horizontal	169	2.10	-	32.76	5.30	32.50
PK	7.3136G	65.88	74.00	-8.12	55.37	3	Horizontal	305	2.38	-	37.70	6.91	34.10
AV	7.3122G	53.44	54.00	-0.56	42.92	3	Horizontal	305	2.38	-	37.70	6.91	34.09

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

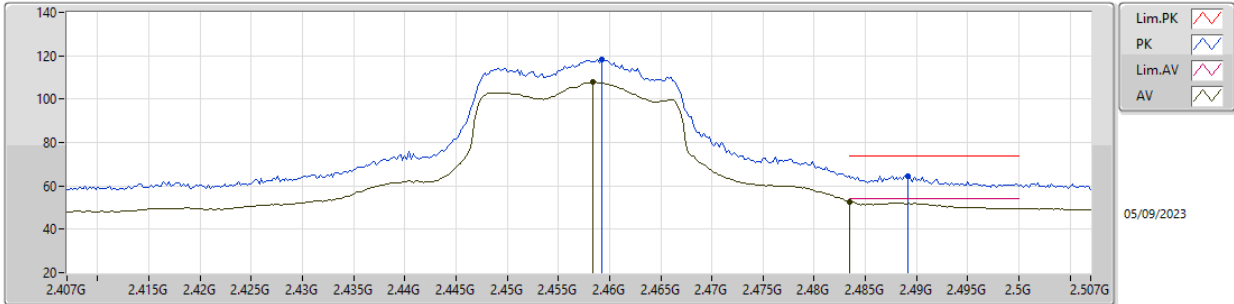


EUT_Z_2TX
Setting 18.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4592G	116.71	Inf	-Inf	85.71	3	Vertical	314	1.76	-	27.74	3.26	-
AV	2.458G	105.32	Inf	-Inf	74.33	3	Vertical	314	1.76	-	27.73	3.26	-
PK	2.4876G	64.10	74.00	-9.90	32.96	3	Vertical	314	1.76	-	27.85	3.29	-
AV	2.485G	50.48	54.00	-3.52	19.35	3	Vertical	314	1.76	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

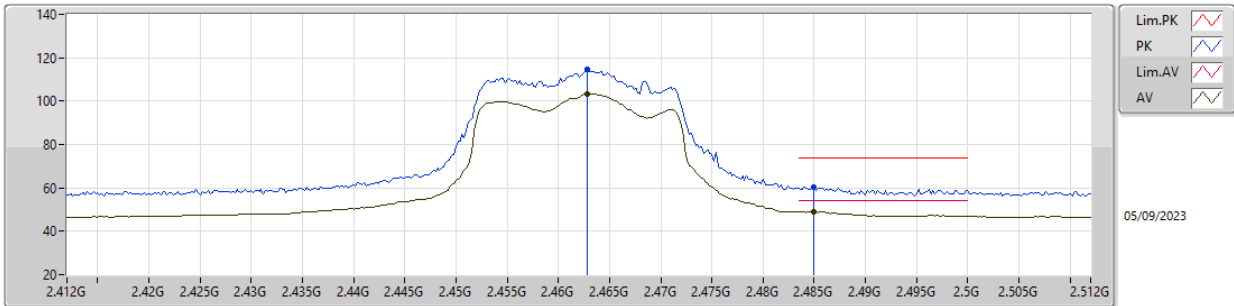


EUT_Z_2TX
Setting 18.5
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4592G	118.48	Inf	-Inf	87.48	3	Horizontal	156	1.90	-	27.74	3.26	-
AV	2.4584G	107.71	Inf	-Inf	76.72	3	Horizontal	156	1.90	-	27.73	3.26	-
PK	2.4892G	64.70	74.00	-9.30	33.55	3	Horizontal	156	1.90	-	27.86	3.29	-
AV	2.4835G	52.68	54.00	-1.32	21.57	3	Horizontal	156	1.90	-	27.83	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

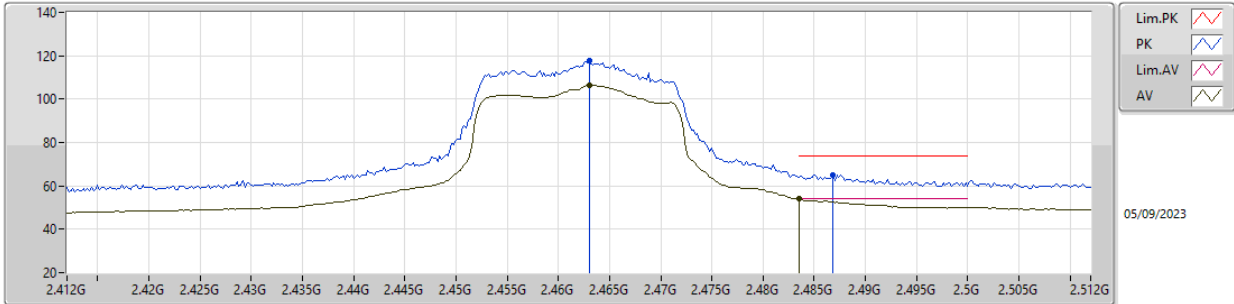


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4628G	114.79	Inf	-Inf	83.78	3	Vertical	316	1.80	-	27.75	3.26	-
AV	2.4628G	103.33	Inf	-Inf	72.32	3	Vertical	316	1.80	-	27.75	3.26	-
PK	2.485G	60.24	74.00	-13.76	29.11	3	Vertical	316	1.80	-	27.84	3.29	-
AV	2.485G	49.11	54.00	-4.89	17.98	3	Vertical	316	1.80	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

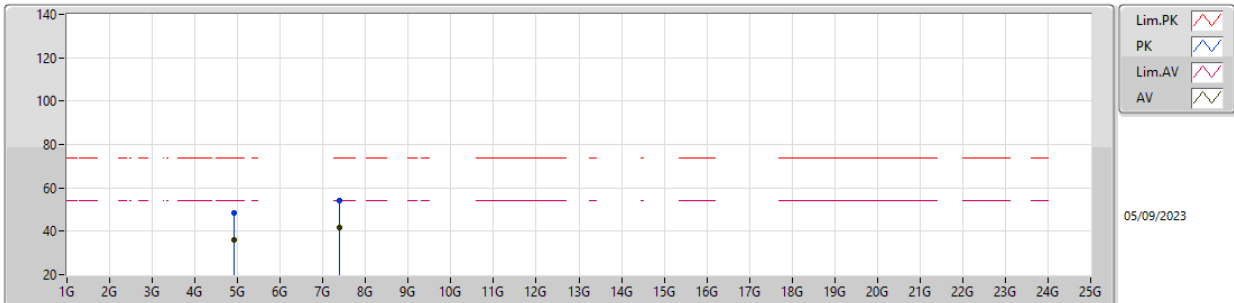


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	117.80	Inf	-Inf	86.79	3	Horizontal	158	1.93	-	27.75	3.26	-
AV	2.463G	106.25	Inf	-Inf	75.24	3	Horizontal	158	1.93	-	27.75	3.26	-
PK	2.4868G	65.03	74.00	-8.97	33.89	3	Horizontal	158	1.93	-	27.85	3.29	-
AV	2.4835G	53.93	54.00	-0.07	22.82	3	Horizontal	158	1.93	-	27.83	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

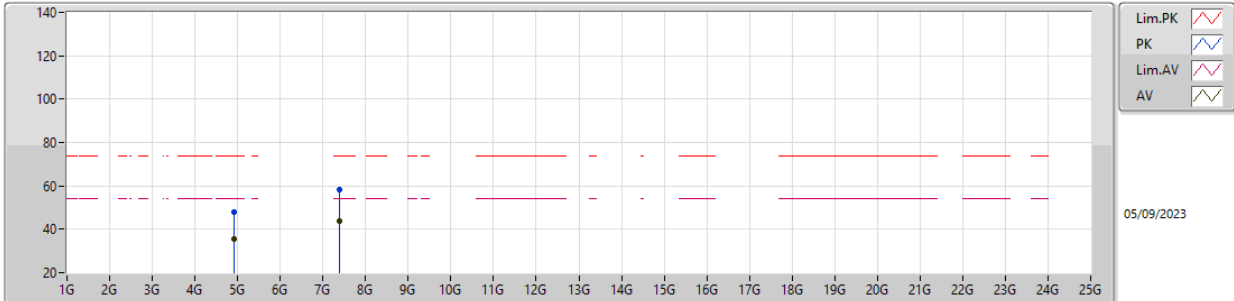


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9258G	48.62	74.00	-25.38	42.86	3	Vertical	157	1.37	-	32.85	5.30	32.39
AV	4.9269G	35.93	54.00	-18.07	30.16	3	Vertical	157	1.37	-	32.85	5.30	32.38
PK	7.3894G	54.20	74.00	-19.80	43.80	3	Vertical	300	1.80	-	37.54	6.99	34.13
AV	7.3867G	41.72	54.00	-12.28	31.30	3	Vertical	300	1.80	-	37.55	6.99	34.12

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

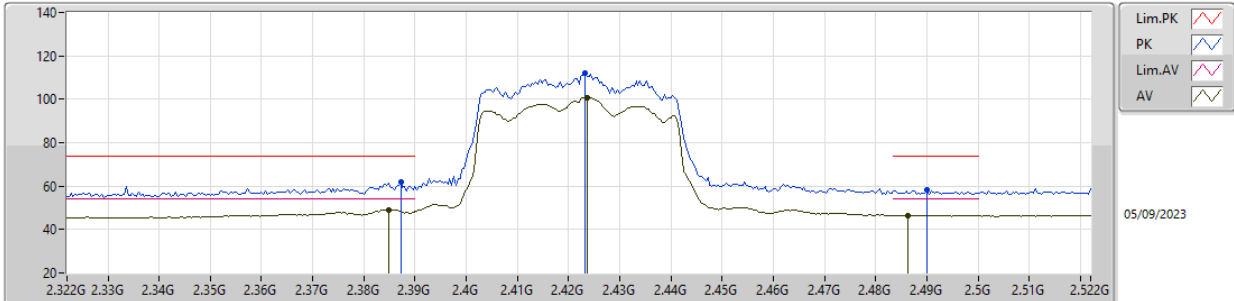


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.918G	47.69	74.00	-26.31	41.95	3	Horizontal	171	2.08	-	32.84	5.30	32.40
AV	4.9278G	35.38	54.00	-18.62	29.60	3	Horizontal	171	2.08	-	32.86	5.30	32.38
PK	7.3857G	58.47	74.00	-15.53	48.04	3	Horizontal	349	2.16	-	37.56	6.99	34.12
AV	7.3865G	43.78	54.00	-10.22	33.36	3	Horizontal	349	2.16	-	37.55	6.99	34.12

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

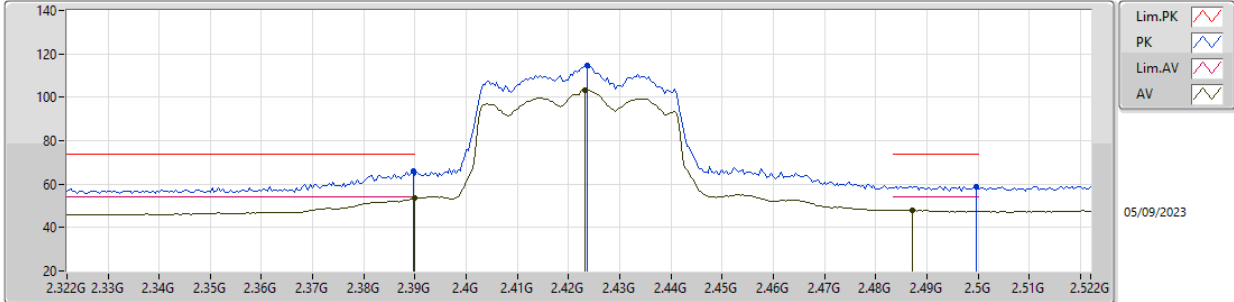


EUT_Z_2TX
Setting 15
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3872G	62.10	74.00	-11.90	31.29	3	Vertical	315	2.06	-	27.62	3.19	-
AV	2.3848G	49.21	54.00	-4.79	18.41	3	Vertical	315	2.06	-	27.61	3.19	-
PK	2.4232G	112.05	Inf	-Inf	81.13	3	Vertical	315	2.06	-	27.70	3.22	-
AV	2.4236G	100.90	Inf	-Inf	69.98	3	Vertical	315	2.06	-	27.70	3.22	-
PK	2.49G	58.18	74.00	-15.82	27.03	3	Vertical	315	2.06	-	27.86	3.29	-
AV	2.4864G	46.56	54.00	-7.44	15.42	3	Vertical	315	2.06	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

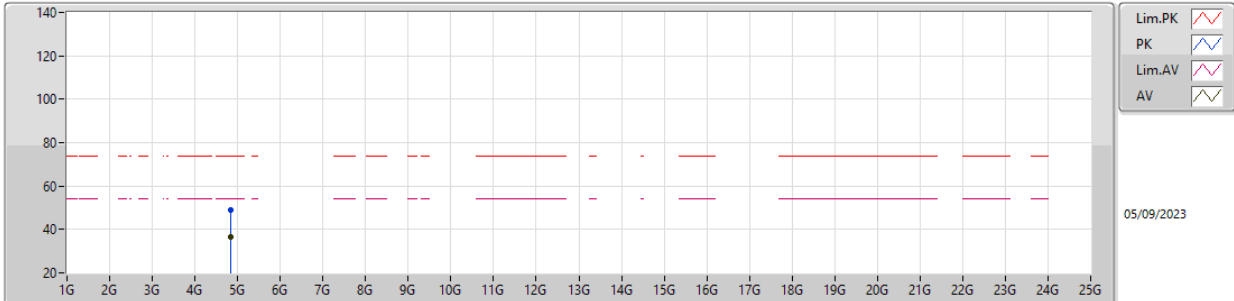


EUT_Z_2TX
Setting 15
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	65.82	74.00	-8.18	34.99	3	Horizontal	158	2.25	-	27.64	3.19	-
AV	2.39G	53.42	54.00	-0.58	22.58	3	Horizontal	158	2.25	-	27.64	3.20	-
PK	2.4236G	114.85	Inf	-Inf	83.93	3	Horizontal	158	2.25	-	27.70	3.22	-
AV	2.4232G	103.36	Inf	-Inf	72.44	3	Horizontal	158	2.25	-	27.70	3.22	-
PK	2.4996G	59.05	74.00	-14.95	27.85	3	Horizontal	158	2.25	-	27.90	3.30	-
AV	2.4872G	47.93	54.00	-6.07	16.79	3	Horizontal	158	2.25	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

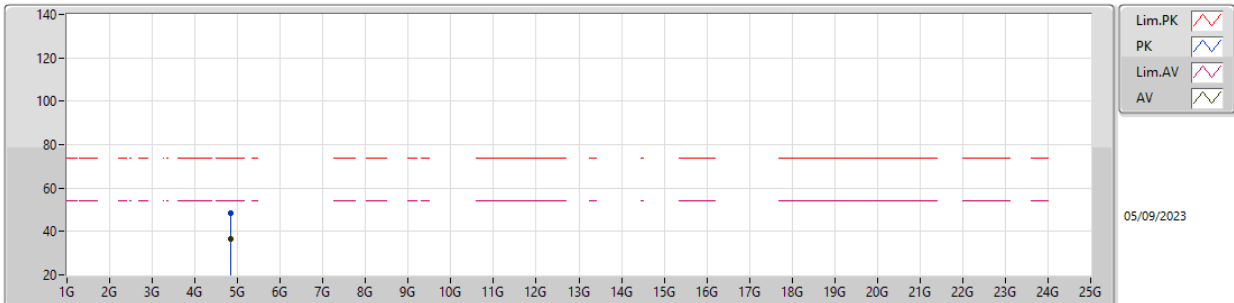


EUT_Z_2TX
Setting 24
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8487G	49.17	74.00	-24.83	43.74	3	Vertical	2	1.80	-	32.70	5.30	32.57
AV	4.8447G	36.65	54.00	-17.35	31.24	3	Vertical	2	1.80	-	32.69	5.30	32.58

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

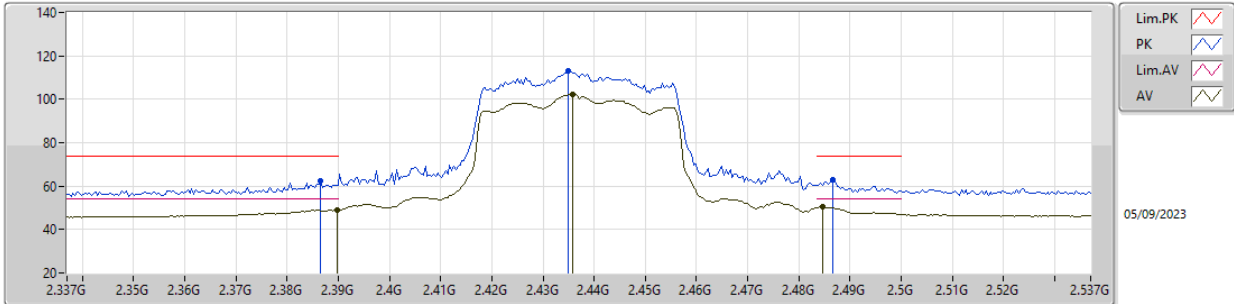


EUT_Z_2TX
Setting 24
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8476G	48.29	74.00	-25.71	42.86	3	Horizontal	171	1.55	-	32.70	5.30	32.57
AV	4.8378G	36.69	54.00	-17.31	31.30	3	Horizontal	171	1.55	-	32.68	5.30	32.59

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

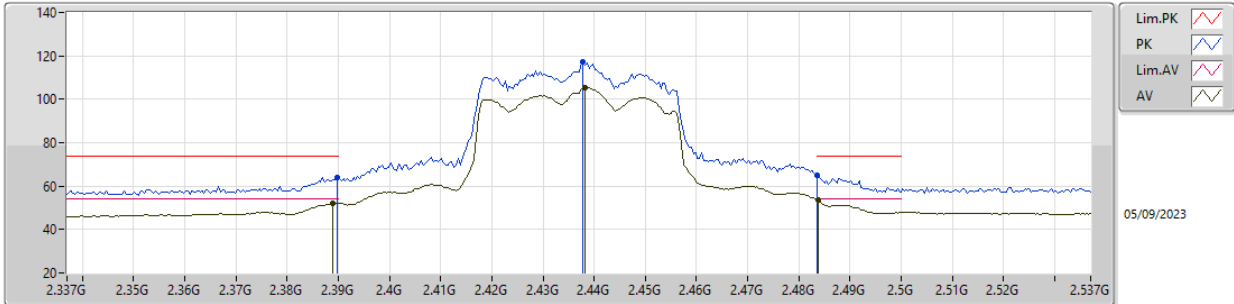


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	62.32	74.00	-11.68	31.51	3	Vertical	332	1.46	-	27.62	3.19	-
AV	2.3898G	48.90	54.00	-5.10	18.07	3	Vertical	332	1.46	-	27.64	3.19	-
PK	2.435G	113.00	Inf	-Inf	82.06	3	Vertical	332	1.46	-	27.70	3.24	-
AV	2.4358G	102.44	Inf	-Inf	71.50	3	Vertical	332	1.46	-	27.70	3.24	-
PK	2.4866G	62.72	74.00	-11.28	31.58	3	Vertical	332	1.46	-	27.85	3.29	-
AV	2.4846G	50.47	54.00	-3.53	19.35	3	Vertical	332	1.46	-	27.84	3.28	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

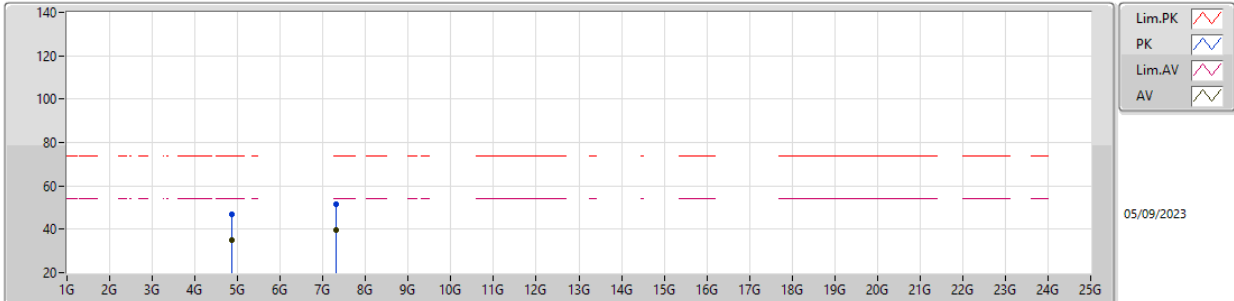


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	64.11	74.00	-9.89	33.28	3	Horizontal	158	2.24	-	27.64	3.19	-
AV	2.389G	51.94	54.00	-2.06	21.12	3	Horizontal	158	2.24	-	27.63	3.19	-
PK	2.4378G	117.14	Inf	-Inf	86.20	3	Horizontal	158	2.24	-	27.70	3.24	-
AV	2.4382G	105.21	Inf	-Inf	74.27	3	Horizontal	158	2.24	-	27.70	3.24	-
PK	2.4835G	65.04	74.00	-8.96	33.93	3	Horizontal	158	2.24	-	27.83	3.28	-
AV	2.4838G	53.50	54.00	-0.50	22.38	3	Horizontal	158	2.24	-	27.84	3.28	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

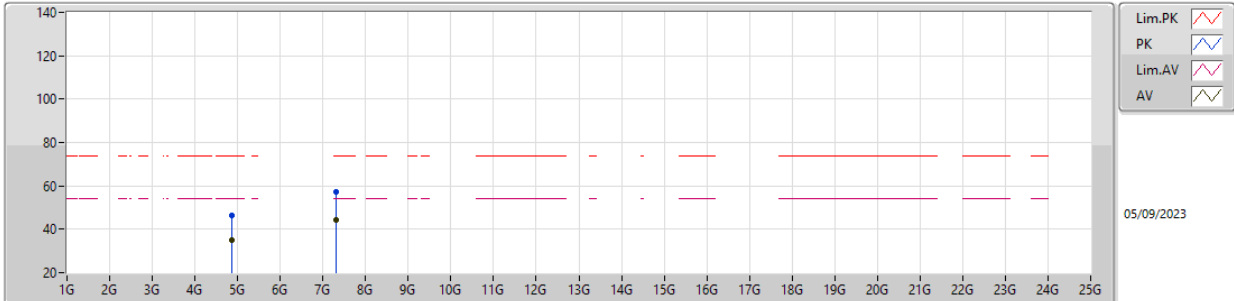


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8633G	47.13	74.00	-26.87	41.63	3	Vertical	156	1.11	-	32.73	5.30	32.53
AV	4.8763G	35.13	54.00	-18.87	29.58	3	Vertical	156	1.11	-	32.75	5.30	32.50
PK	7.3066G	51.80	74.00	-22.20	41.28	3	Vertical	100	1.80	-	37.70	6.91	34.09
AV	7.3089G	39.52	54.00	-14.48	29.00	3	Vertical	100	1.80	-	37.70	6.91	34.09

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

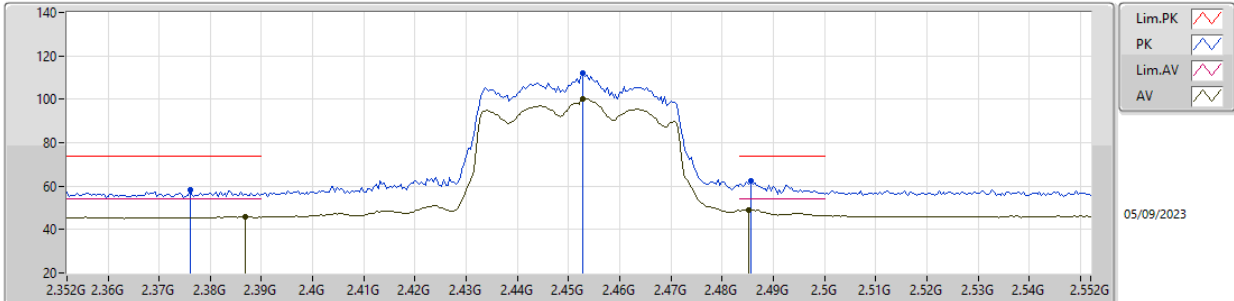


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8759G	46.61	74.00	-27.39	41.06	3	Horizontal	54	2.42	-	32.75	5.30	32.50
AV	4.874G	34.85	54.00	-19.15	29.31	3	Horizontal	54	2.42	-	32.75	5.30	32.51
PK	7.311G	57.11	74.00	-16.89	46.59	3	Horizontal	304	2.40	-	37.70	6.91	34.09
AV	7.3121G	44.44	54.00	-9.56	33.92	3	Horizontal	304	2.40	-	37.70	6.91	34.09

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



Lim.PK
PK
Lim.AV
AV

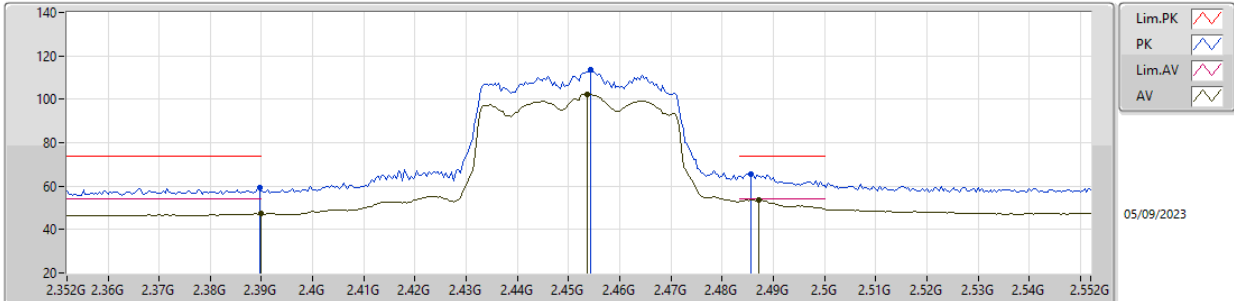
05/09/2023

EUT_Z_2TX
Setting 15
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.376G	58.25	74.00	-15.75	27.50	3	Vertical	314	2.30	-	27.56	3.19	-
AV	2.3868G	46.02	54.00	-7.98	15.21	3	Vertical	314	2.30	-	27.62	3.19	-
PK	2.4528G	111.99	Inf	-Inf	81.03	3	Vertical	314	2.30	-	27.71	3.25	-
AV	2.4528G	100.19	Inf	-Inf	69.23	3	Vertical	314	2.30	-	27.71	3.25	-
PK	2.4856G	62.44	74.00	-11.56	31.31	3	Vertical	314	2.30	-	27.84	3.29	-
AV	2.4852G	49.11	54.00	-4.89	17.98	3	Vertical	314	2.30	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

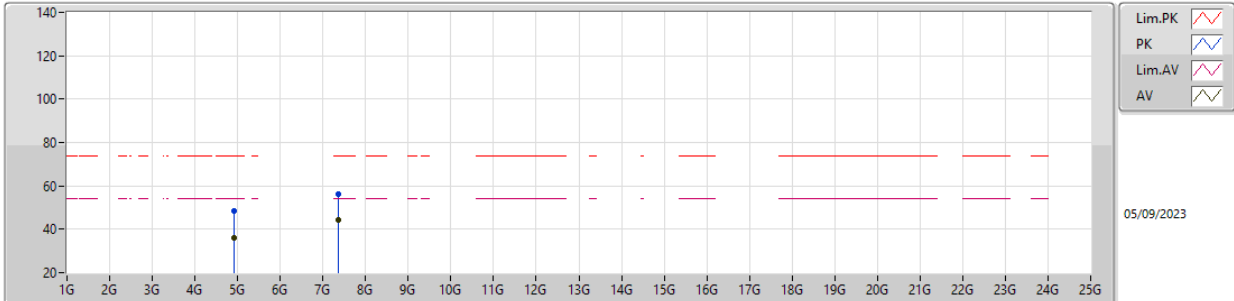


EUT_Z_2TX
Setting 15
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	59.13	74.00	-14.87	28.30	3	Horizontal	158	2.20	-	27.64	3.19	-
AV	2.39G	47.19	54.00	-6.81	16.35	3	Horizontal	158	2.20	-	27.64	3.20	-
PK	2.4544G	113.57	Inf	-Inf	82.60	3	Horizontal	158	2.20	-	27.72	3.25	-
AV	2.4536G	102.47	Inf	-Inf	71.51	3	Horizontal	158	2.20	-	27.71	3.25	-
PK	2.4856G	65.54	74.00	-8.46	34.41	3	Horizontal	158	2.20	-	27.84	3.29	-
AV	2.4872G	53.63	54.00	-0.37	22.49	3	Horizontal	158	2.20	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



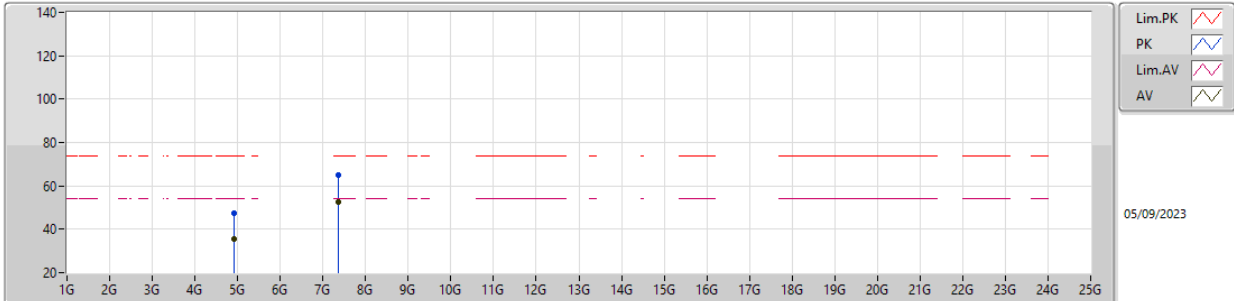
05/09/2023

EUT_Z_2TX
Setting 24
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9053G	48.51	74.00	-25.49	42.83	3	Vertical	159	1.86	-	32.81	5.30	32.43
AV	4.9056G	36.00	54.00	-18.00	30.32	3	Vertical	159	1.86	-	32.81	5.30	32.43
PK	7.3578G	56.21	74.00	-17.79	45.69	3	Vertical	295	1.90	-	37.67	6.96	34.11
AV	7.3568G	44.31	54.00	-9.69	33.79	3	Vertical	295	1.90	-	37.67	6.96	34.11

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT_Z_2TX
Setting 24
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9063G	47.43	74.00	-26.57	41.75	3	Horizontal	58	2.88	-	32.81	5.30	32.43
AV	4.9071G	35.77	54.00	-18.23	30.09	3	Horizontal	58	2.88	-	32.81	5.30	32.43
PK	7.3577G	64.99	74.00	-9.01	54.47	3	Horizontal	306	2.38	-	37.67	6.96	34.11
AV	7.3583G	52.70	54.00	-1.30	42.18	3	Horizontal	306	2.38	-	37.67	6.96	34.11

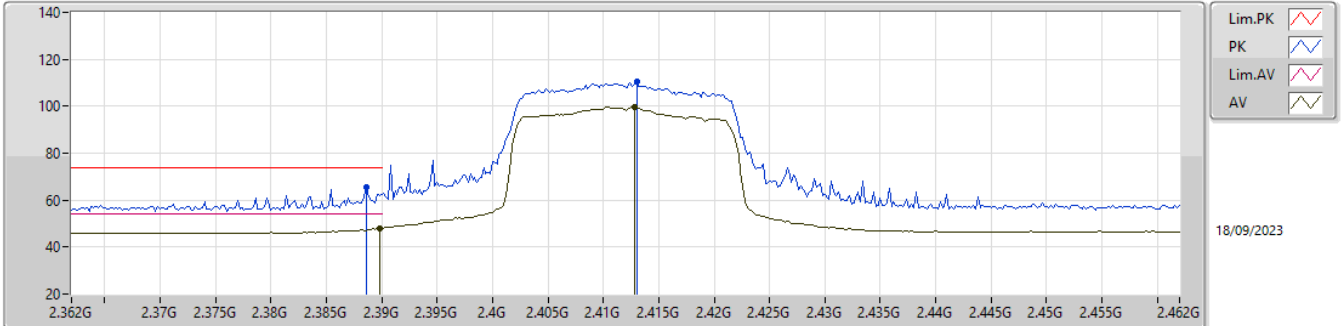


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	Pass	PK	2.4846G	73.91	74.00	-0.09	3	Horizontal	147	2.51	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

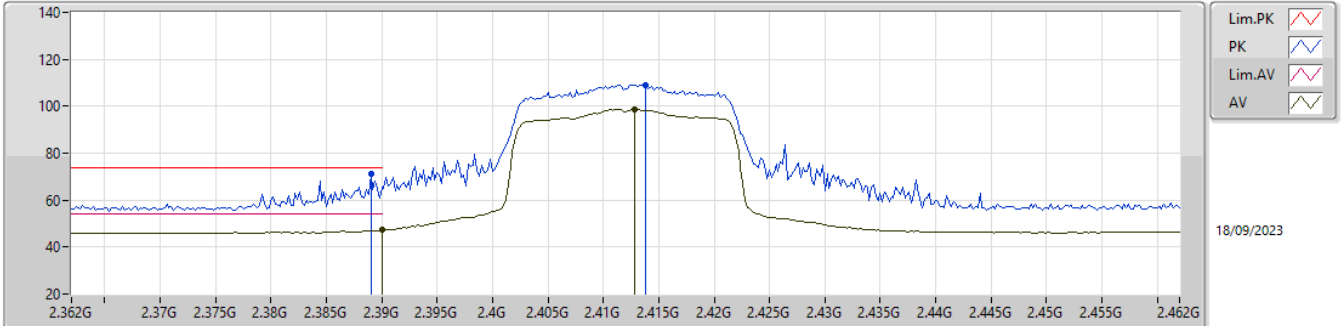


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	65.53	74.00	-8.47	35.04	3	Vertical	319	2.41	-	27.30	3.19	-
AV	2.3898G	48.00	54.00	-6.00	17.51	3	Vertical	319	2.41	-	27.30	3.19	-
PK	2.413G	110.27	Inf	-Inf	79.63	3	Vertical	319	2.41	-	27.43	3.21	-
AV	2.4128G	99.54	Inf	-Inf	68.90	3	Vertical	319	2.41	-	27.43	3.21	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

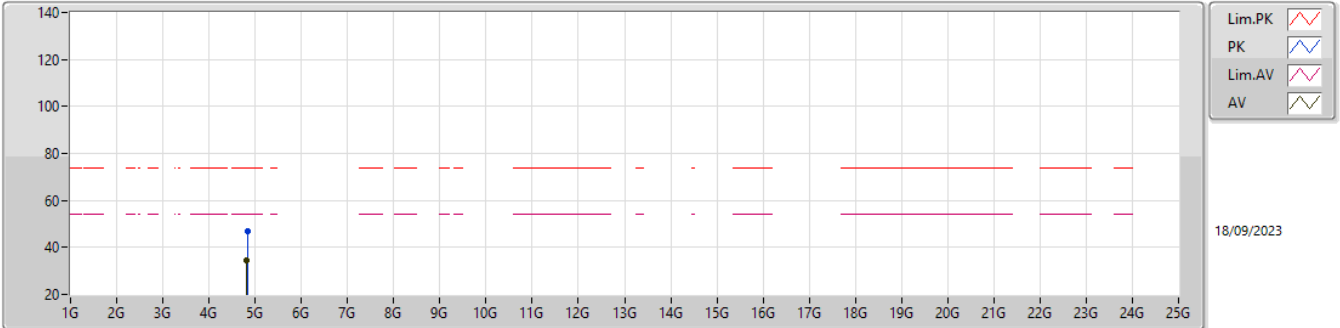


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	71.16	74.00	-2.84	40.67	3	Horizontal	177	1.84	-	27.30	3.19	-
AV	2.39G	47.17	54.00	-6.83	16.67	3	Horizontal	177	1.84	-	27.30	3.20	-
PK	2.4138G	109.21	Inf	-Inf	78.56	3	Horizontal	177	1.84	-	27.44	3.21	-
AV	2.4128G	98.83	Inf	-Inf	68.19	3	Horizontal	177	1.84	-	27.43	3.21	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

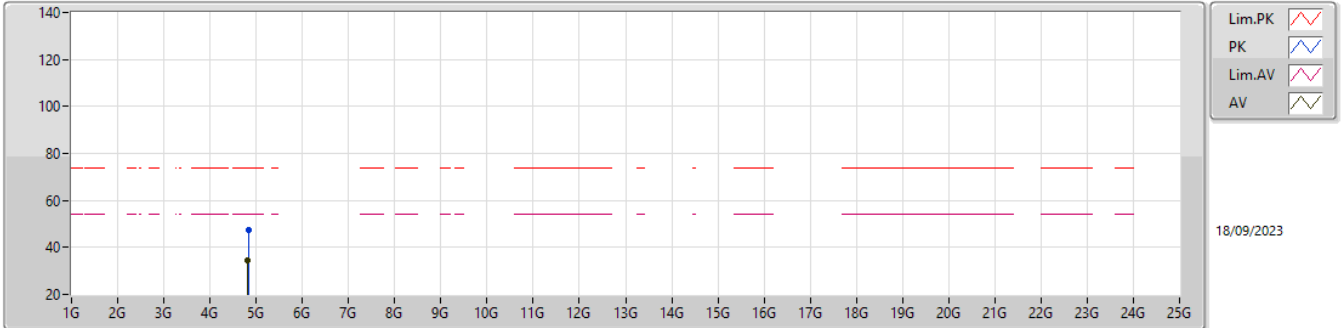


EUT_Z_2TX
Setting 14
04-H-R-7

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	4.8329G	46.65	74.00	-27.35	41.65	3	Vertical	130	1.80	-	32.30	5.30	32.60			
AV	4.8222G	34.25	54.00	-19.75	29.35	3	Vertical	130	1.80	-	32.23	5.30	32.63			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

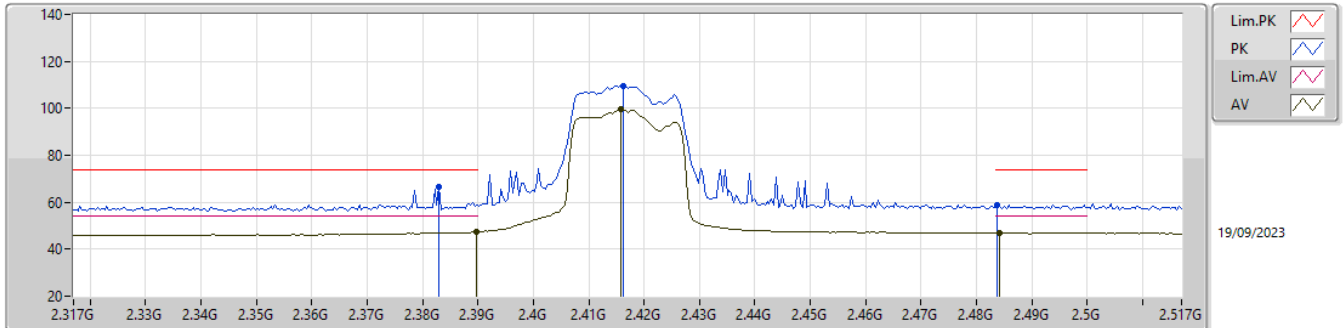


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.8254G	47.40	74.00	-26.60	42.47	3	Horizontal	198	1.11	-	32.25	5.30	32.62			
AV	4.8237G	34.25	54.00	-19.75	29.34	3	Horizontal	198	1.11	-	32.24	5.30	32.63			

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2417MHz_TX

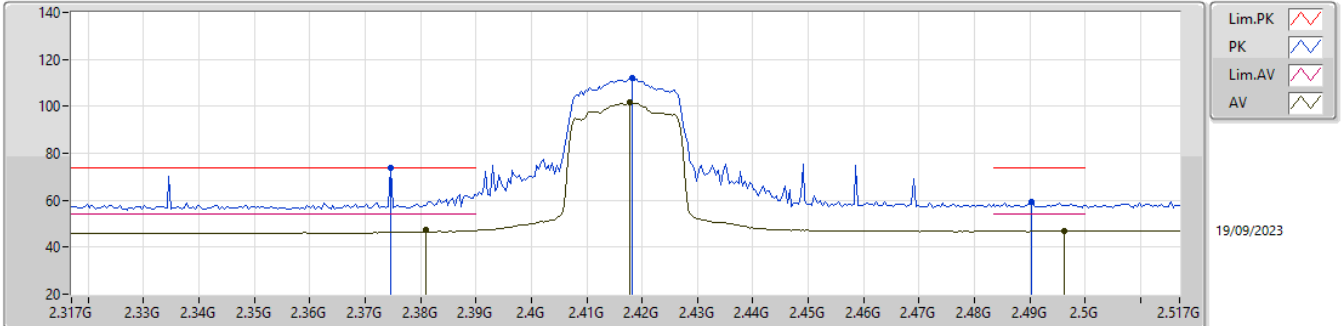


EUT_Z_2TX
Setting 15
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.383G	66.64	74.00	-7.36	36.15	3	Vertical	360	2.30	-	27.30	3.19	-
AV	2.3898G	47.38	54.00	-6.62	16.89	3	Vertical	360	2.30	-	27.30	3.19	-
PK	2.4162G	109.63	Inf	-Inf	78.95	3	Vertical	360	2.30	-	27.46	3.22	-
AV	2.4158G	99.45	Inf	-Inf	68.77	3	Vertical	360	2.30	-	27.46	3.22	-
PK	2.4838G	59.03	74.00	-14.97	28.05	3	Vertical	360	2.30	-	27.70	3.28	-
AV	2.4842G	47.15	54.00	-6.85	16.17	3	Vertical	360	2.30	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2417MHz_TX

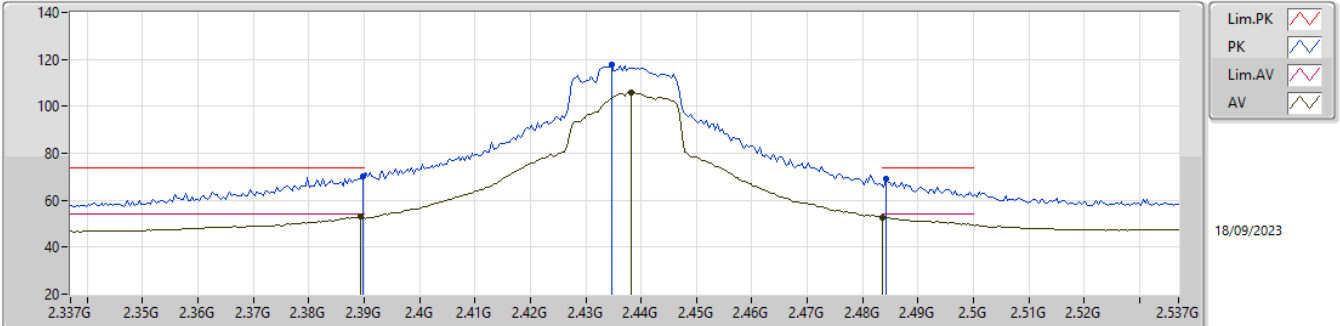


EUT_Z_2TX
Setting 15
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3746G	73.89	74.00	-0.11	43.40	3	Horizontal	151	1.73	-	27.30	3.19	-
AV	2.381G	47.16	54.00	-6.84	16.67	3	Horizontal	151	1.73	-	27.30	3.19	-
PK	2.4182G	112.14	Inf	-Inf	81.44	3	Horizontal	151	1.73	-	27.48	3.22	-
AV	2.4178G	101.55	Inf	-Inf	70.85	3	Horizontal	151	1.73	-	27.48	3.22	-
PK	2.4902G	59.39	74.00	-14.61	28.40	3	Horizontal	151	1.73	-	27.70	3.29	-
AV	2.4962G	46.94	54.00	-7.06	15.88	3	Horizontal	151	1.73	-	27.76	3.30	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

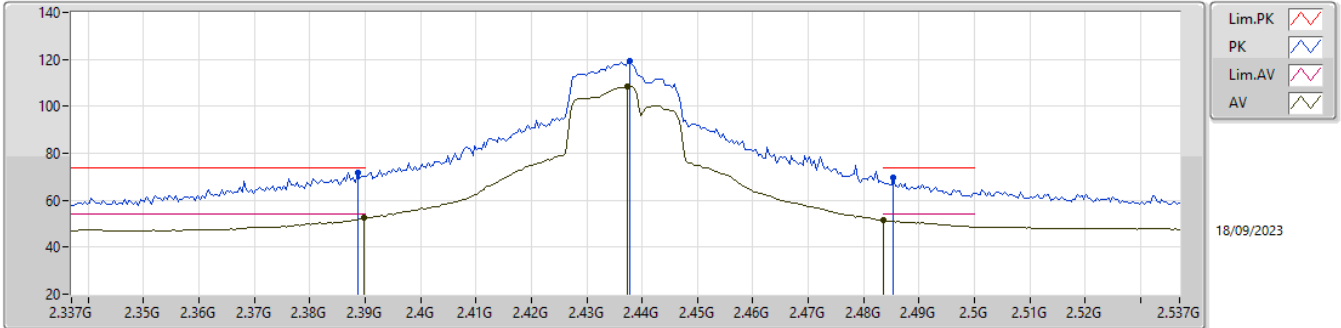


EUT_Z_2TX
Setting 23
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	70.20	74.00	-3.80	39.71	3	Vertical	19	2.53	-	27.30	3.19	-
AV	2.3894G	53.06	54.00	-0.94	22.57	3	Vertical	19	2.53	-	27.30	3.19	-
PK	2.4346G	117.79	Inf	-Inf	87.06	3	Vertical	19	2.53	-	27.50	3.23	-
AV	2.4382G	105.76	Inf	-Inf	75.02	3	Vertical	19	2.53	-	27.50	3.24	-
PK	2.4842G	69.38	74.00	-4.62	38.40	3	Vertical	19	2.53	-	27.70	3.28	-
AV	2.4835G	52.79	54.00	-1.21	21.81	3	Vertical	19	2.53	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

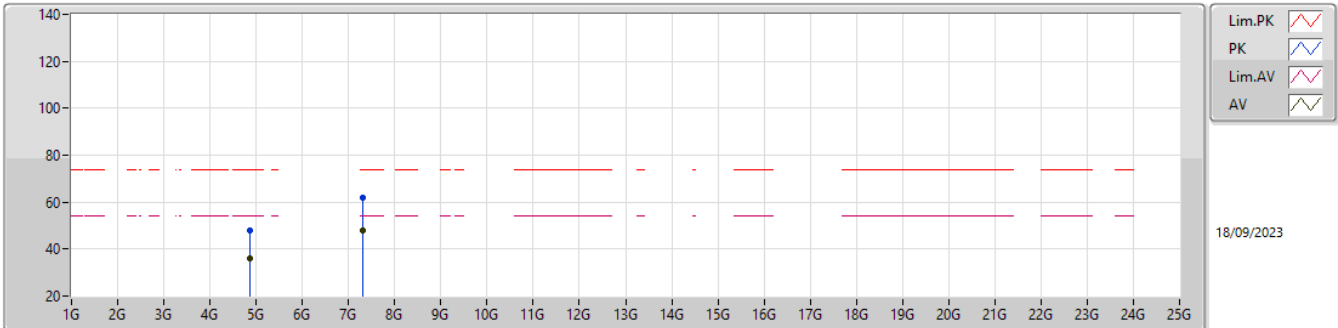


EUT_Z_2TX
Setting 23
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	71.62	74.00	-2.38	41.13	3	Horizontal	155	2.82	-	27.30	3.19	-
AV	2.3898G	52.36	54.00	-1.64	21.87	3	Horizontal	155	2.82	-	27.30	3.19	-
PK	2.4378G	119.19	Inf	-Inf	88.45	3	Horizontal	155	2.82	-	27.50	3.24	-
AV	2.4374G	108.49	Inf	-Inf	77.75	3	Horizontal	155	2.82	-	27.50	3.24	-
PK	2.4854G	69.81	74.00	-4.19	38.82	3	Horizontal	155	2.82	-	27.70	3.29	-
AV	2.4835G	51.54	54.00	-2.46	20.56	3	Horizontal	155	2.82	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

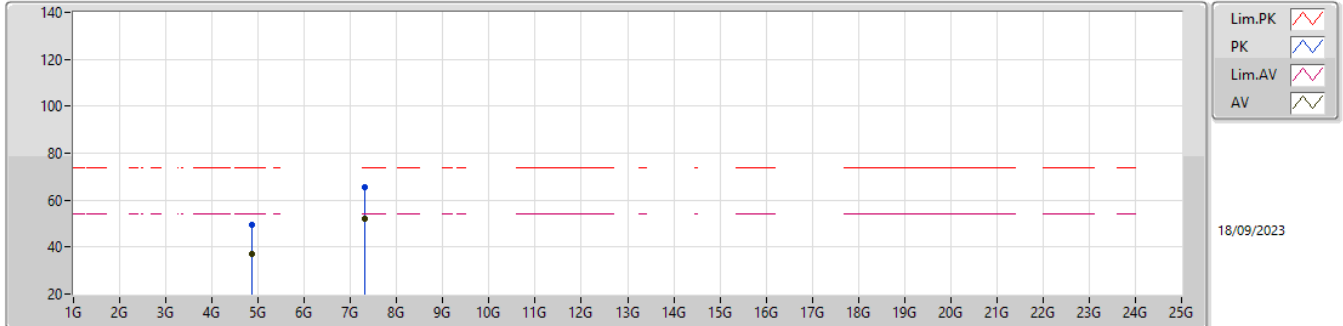


EUT_Z_2TX
Setting 23
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8758G	48.01	74.00	-25.99	42.71	3	Vertical	89	1.84	-	32.50	5.30	32.50
AV	4.8754G	35.82	54.00	-18.18	30.52	3	Vertical	89	1.84	-	32.50	5.30	32.50
PK	7.3111G	62.08	74.00	-11.92	52.50	3	Vertical	4	2.03	-	36.76	6.91	34.09
AV	7.3007G	47.90	54.00	-6.10	38.29	3	Vertical	4	2.03	-	36.80	6.90	34.09

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

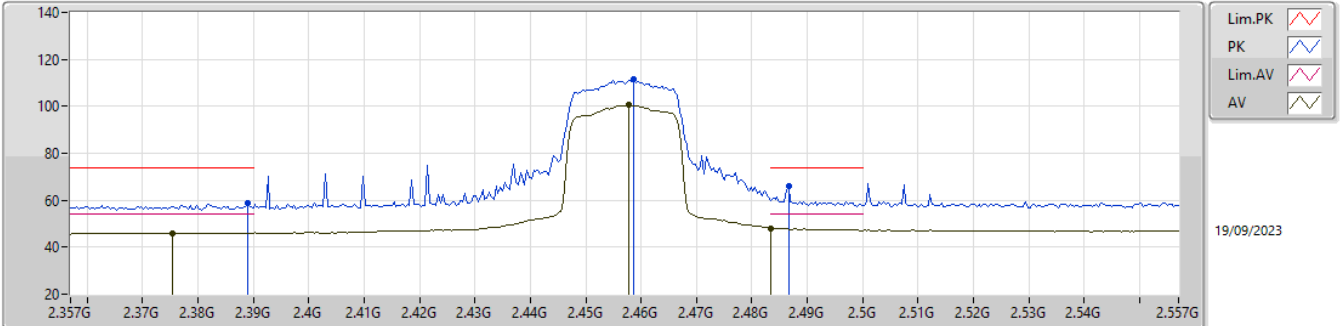


EUT_Z_2TX
Setting 23
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8711G	49.33	74.00	-24.67	44.06	3	Horizontal	32	2.08	-	32.48	5.30	32.51
AV	4.8764G	36.94	54.00	-17.06	31.63	3	Horizontal	32	2.08	-	32.51	5.30	32.50
PK	7.3071G	65.38	74.00	-8.62	55.79	3	Horizontal	108	2.96	-	36.77	6.91	34.09
AV	7.3092G	52.20	54.00	-1.80	42.62	3	Horizontal	108	2.96	-	36.76	6.91	34.09

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2457MHz_TX

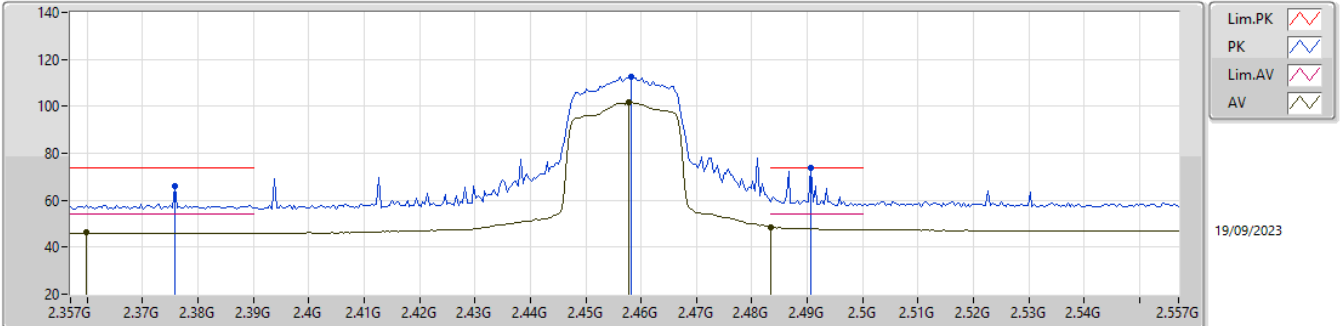


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	58.76	74.00	-15.24	28.27	3	Vertical	153	1.38	-	27.30	3.19	-
AV	2.3754G	46.00	54.00	-8.00	15.51	3	Vertical	153	1.38	-	27.30	3.19	-
PK	2.4586G	111.37	Inf	-Inf	80.52	3	Vertical	153	1.38	-	27.59	3.26	-
AV	2.4578G	100.62	Inf	-Inf	69.78	3	Vertical	153	1.38	-	27.58	3.26	-
PK	2.4866G	65.98	74.00	-8.02	34.99	3	Vertical	153	1.38	-	27.70	3.29	-
AV	2.4835G	48.09	54.00	-5.91	17.11	3	Vertical	153	1.38	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2457MHz_TX

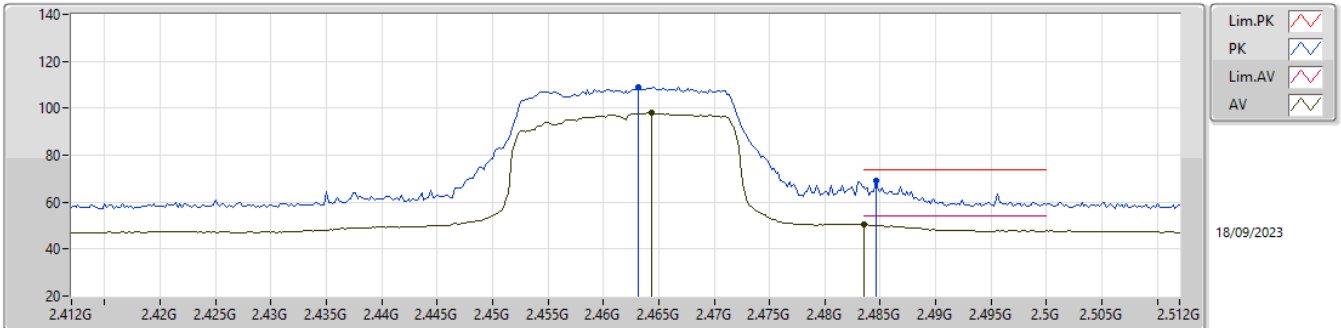


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3758G	66.04	74.00	-7.96	35.55	3	Horizontal	148	2.42	-	27.30	3.19	-
AV	2.3598G	46.22	54.00	-7.78	15.84	3	Horizontal	148	2.42	-	27.20	3.18	-
PK	2.4582G	112.81	Inf	-Inf	81.97	3	Horizontal	148	2.42	-	27.58	3.26	-
AV	2.4578G	101.78	Inf	-Inf	70.94	3	Horizontal	148	2.42	-	27.58	3.26	-
PK	2.4906G	73.68	74.00	-0.32	42.68	3	Horizontal	148	2.42	-	27.71	3.29	-
AV	2.4835G	48.53	54.00	-5.47	17.55	3	Horizontal	148	2.42	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

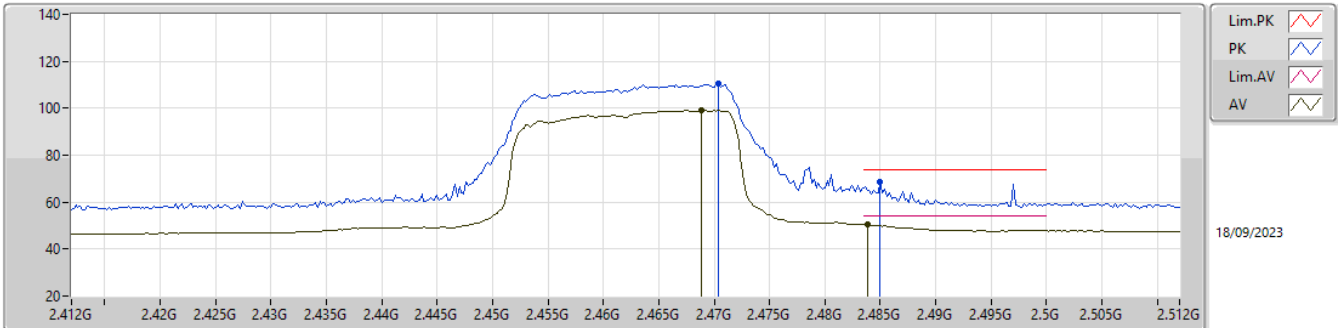


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4632G	108.95	Inf	-Inf	78.09	3	Vertical	317	2.28	-	27.60	3.26	-
AV	2.4644G	98.06	Inf	-Inf	67.20	3	Vertical	317	2.28	-	27.60	3.26	-
PK	2.4846G	69.08	74.00	-4.92	38.10	3	Vertical	317	2.28	-	27.70	3.28	-
AV	2.4835G	50.42	54.00	-3.58	19.44	3	Vertical	317	2.28	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

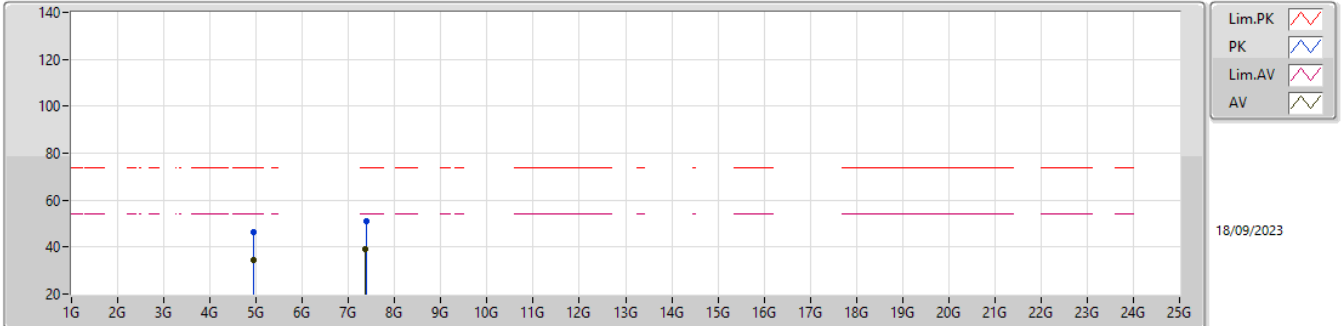


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4704G	110.29	Inf	-Inf	79.42	3	Horizontal	137	2.75	-	27.60	3.27	-
AV	2.4688G	99.00	Inf	-Inf	68.13	3	Horizontal	137	2.75	-	27.60	3.27	-
PK	2.485G	68.77	74.00	-5.23	37.78	3	Horizontal	137	2.75	-	27.70	3.29	-
AV	2.4838G	50.59	54.00	-3.41	19.61	3	Horizontal	137	2.75	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

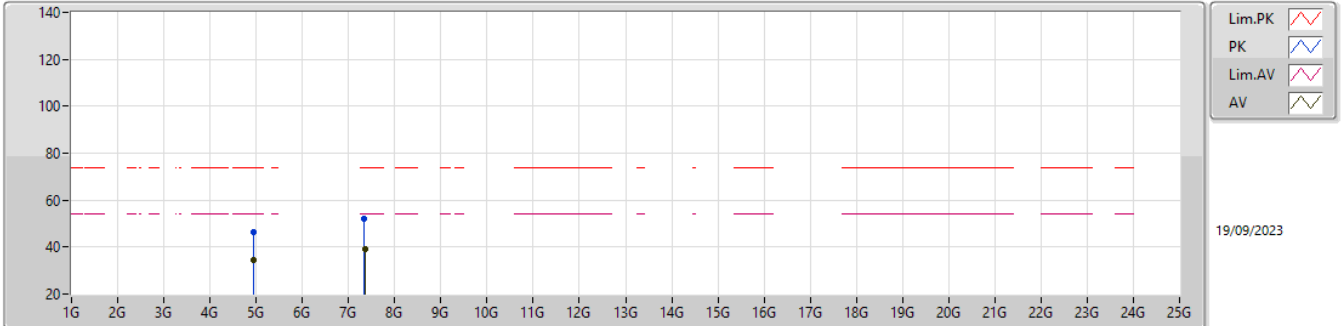


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9376G	46.29	74.00	-27.71	40.52	3	Vertical	278	2.14	-	32.83	5.30	32.36
AV	4.9454G	34.44	54.00	-19.56	28.61	3	Vertical	278	2.14	-	32.87	5.30	32.34
PK	7.3932G	50.90	74.00	-23.10	41.87	3	Vertical	343	1.02	-	36.17	6.99	34.13
AV	7.35G	39.29	54.00	-14.71	29.85	3	Vertical	343	1.02	-	36.60	6.95	34.11

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

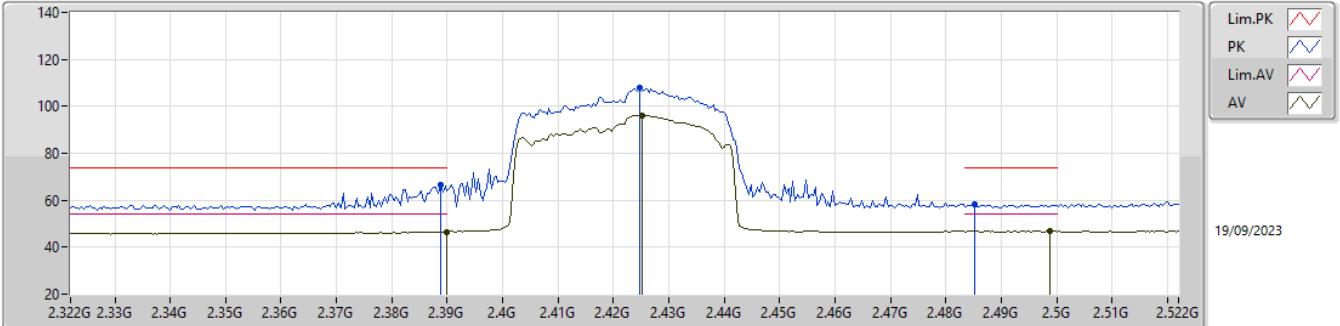


EUT_Z_2TX
 Setting 16
 04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9458G	46.28	74.00	-27.72	40.45	3	Horizontal	312	1.22	-	32.87	5.30	32.34
AV	4.944G	34.57	54.00	-19.43	28.75	3	Horizontal	312	1.22	-	32.86	5.30	32.34
PK	7.3386G	51.97	74.00	-22.03	42.49	3	Horizontal	36	1.93	-	36.65	6.94	34.11
AV	7.3496G	39.24	54.00	-14.76	29.80	3	Horizontal	36	1.93	-	36.60	6.95	34.11

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

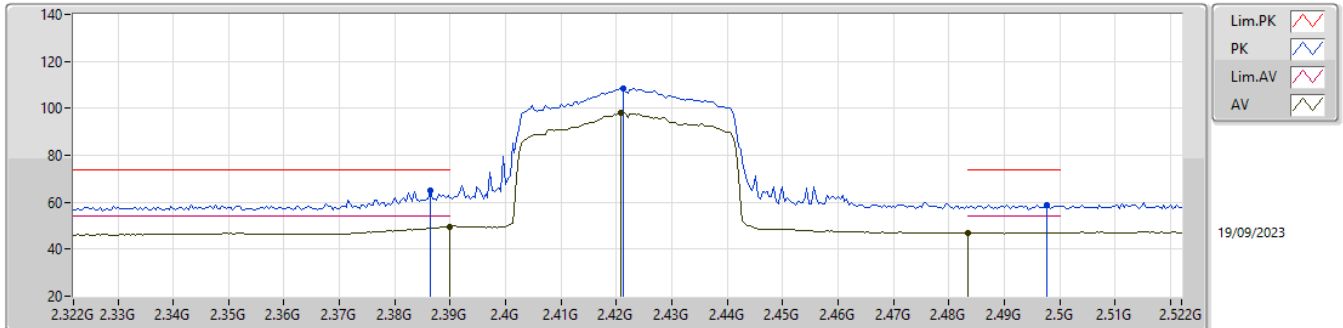


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	66.78	74.00	-7.22	36.29	3	Vertical	349	2.63	-	27.30	3.19	-
AV	2.39G	46.47	54.00	-7.53	15.97	3	Vertical	349	2.63	-	27.30	3.20	-
PK	2.4248G	107.78	Inf	-Inf	77.06	3	Vertical	349	2.63	-	27.50	3.22	-
AV	2.4252G	96.21	Inf	-Inf	65.48	3	Vertical	349	2.63	-	27.50	3.23	-
PK	2.4852G	58.46	74.00	-15.54	27.47	3	Vertical	349	2.63	-	27.70	3.29	-
AV	2.4988G	46.70	54.00	-7.30	15.61	3	Vertical	349	2.63	-	27.79	3.30	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

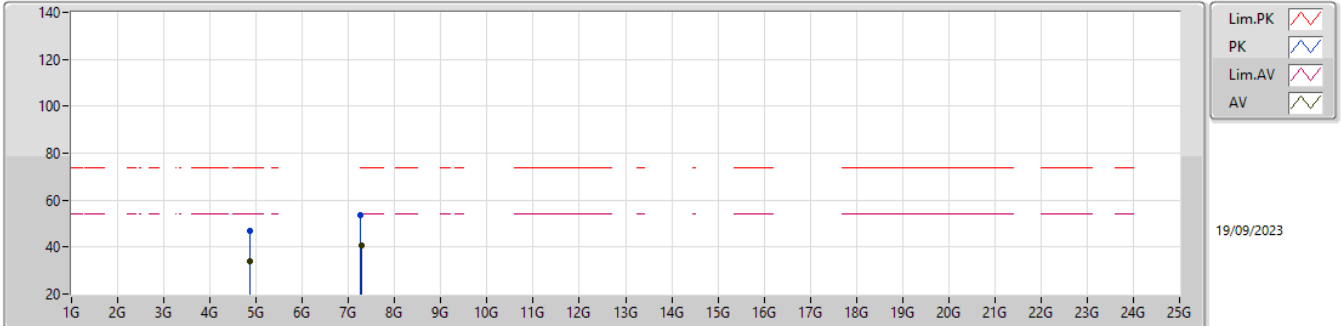


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3864G	64.83	74.00	-9.17	34.34	3	Horizontal	152	2.06	-	27.30	3.19	-
AV	2.39G	49.50	54.00	-4.50	19.00	3	Horizontal	152	2.06	-	27.30	3.20	-
PK	2.4212G	108.55	Inf	-Inf	77.83	3	Horizontal	152	2.06	-	27.50	3.22	-
AV	2.4208G	98.33	Inf	-Inf	67.61	3	Horizontal	152	2.06	-	27.50	3.22	-
PK	2.4976G	58.83	74.00	-15.17	27.75	3	Horizontal	152	2.06	-	27.78	3.30	-
AV	2.4835G	47.15	54.00	-6.85	16.17	3	Horizontal	152	2.06	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

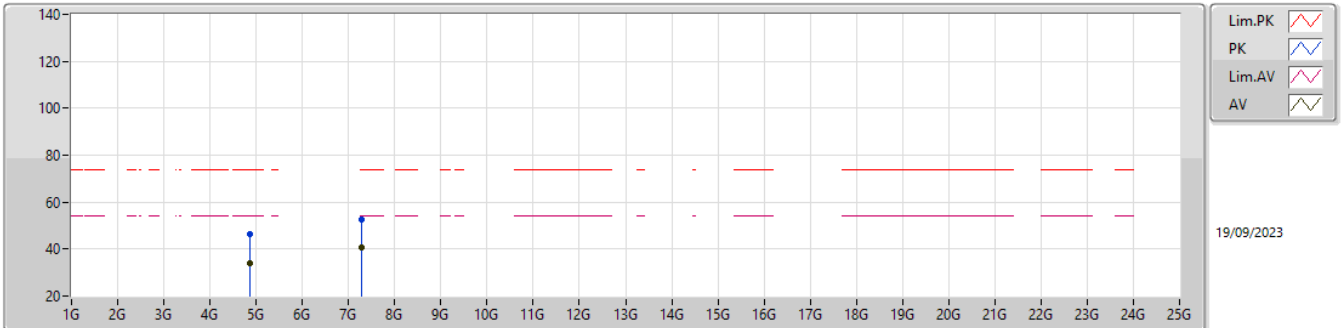


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8683G	47.11	74.00	-26.89	41.86	3	Vertical	13	1.80	-	32.47	5.30	32.52
AV	4.8634G	34.19	54.00	-19.81	28.97	3	Vertical	13	1.80	-	32.45	5.30	32.53
PK	7.2627G	53.50	74.00	-20.50	43.99	3	Vertical	352	1.41	-	36.73	6.86	34.08
AV	7.27638G	40.47	54.00	-13.53	30.92	3	Vertical	352	1.41	-	36.75	6.88	34.08

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

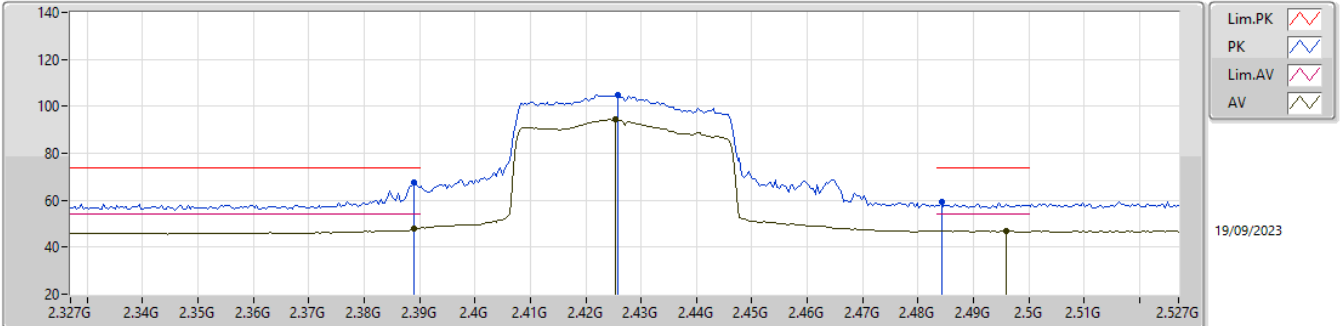


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8534G	46.23	74.00	-27.77	41.08	3	Horizontal	77	1.50	-	32.41	5.30	32.56
AV	4.8637G	34.05	54.00	-19.95	28.83	3	Horizontal	77	1.50	-	32.45	5.30	32.53
PK	7.2771G	52.41	74.00	-21.59	42.86	3	Horizontal	87	2.56	-	36.75	6.88	34.08
AV	7.27956G	40.55	54.00	-13.45	30.99	3	Horizontal	87	2.56	-	36.76	6.88	34.08

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2427MHz_TX

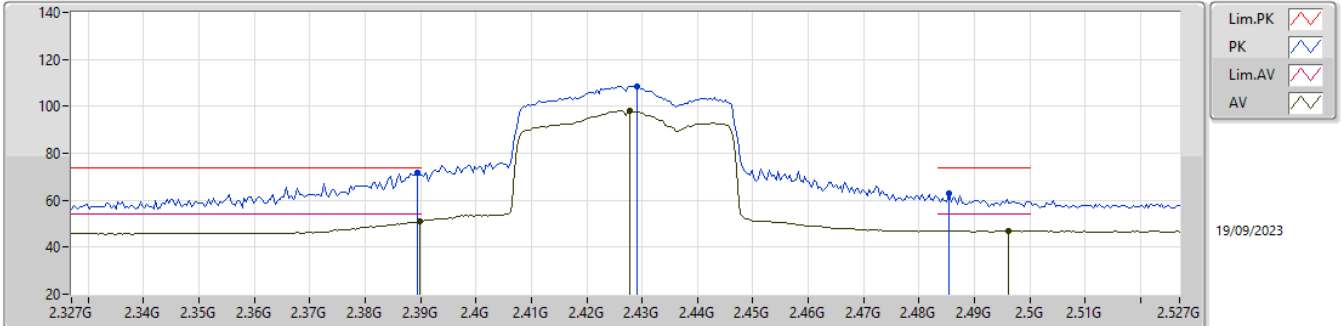


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	67.47	74.00	-6.53	36.98	3	Vertical	349	2.87	-	27.30	3.19	-
AV	2.389G	47.80	54.00	-6.20	17.31	3	Vertical	349	2.87	-	27.30	3.19	-
PK	2.4258G	104.72	Inf	-Inf	73.99	3	Vertical	349	2.87	-	27.50	3.23	-
AV	2.4254G	94.26	Inf	-Inf	63.53	3	Vertical	349	2.87	-	27.50	3.23	-
PK	2.4842G	59.28	74.00	-14.72	28.30	3	Vertical	349	2.87	-	27.70	3.28	-
AV	2.4958G	46.68	54.00	-7.32	15.62	3	Vertical	349	2.87	-	27.76	3.30	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2427MHz_TX

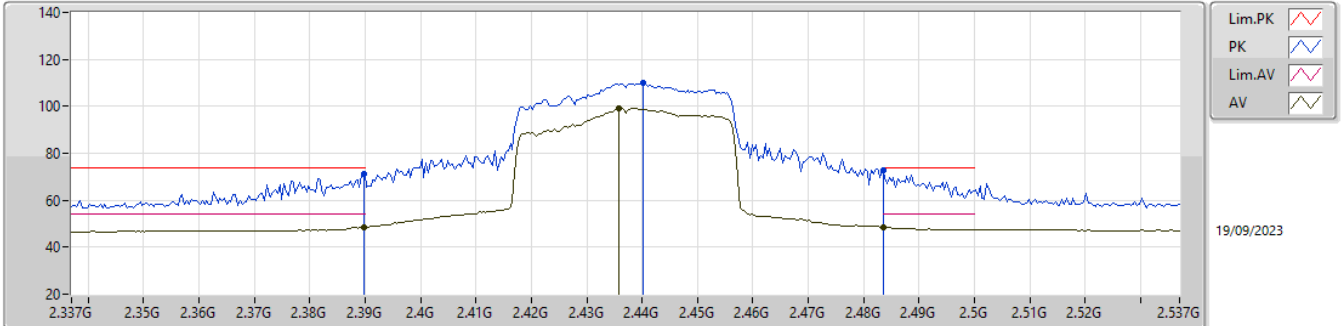


EUT_Z_2TX
Setting 14
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	71.71	74.00	-2.29	41.22	3	Horizontal	145	2.54	-	27.30	3.19	-
AV	2.3898G	51.04	54.00	-2.96	20.55	3	Horizontal	145	2.54	-	27.30	3.19	-
PK	2.429G	108.70	Inf	-Inf	77.97	3	Horizontal	145	2.54	-	27.50	3.23	-
AV	2.4278G	98.12	Inf	-Inf	67.39	3	Horizontal	145	2.54	-	27.50	3.23	-
PK	2.4854G	63.17	74.00	-10.83	32.18	3	Horizontal	145	2.54	-	27.70	3.29	-
AV	2.4962G	46.94	54.00	-7.06	15.88	3	Horizontal	145	2.54	-	27.76	3.30	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

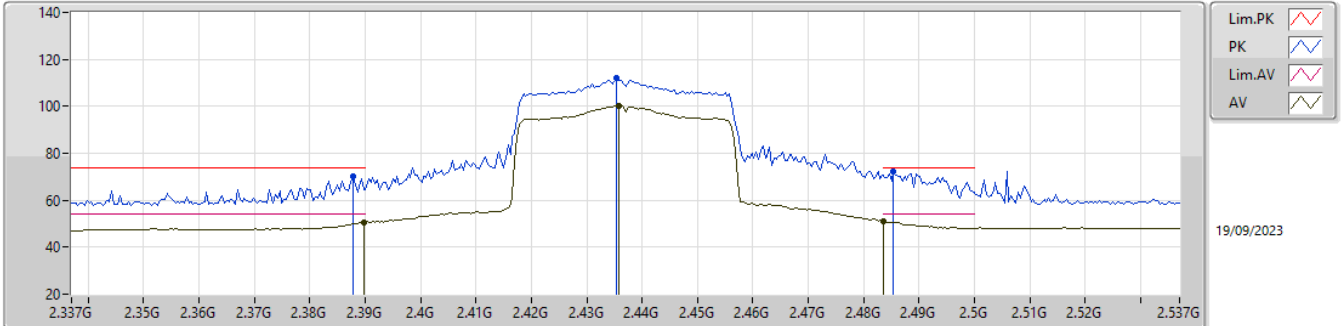


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	71.41	74.00	-2.59	40.92	3	Vertical	18.4	2.08	-	27.30	3.19	-
AV	2.3898G	48.59	54.00	-5.41	18.10	3	Vertical	18.4	2.08	-	27.30	3.19	-
PK	2.4402G	110.19	Inf	-Inf	79.45	3	Vertical	18.4	2.08	-	27.50	3.24	-
AV	2.4358G	99.19	Inf	-Inf	68.45	3	Vertical	18.4	2.08	-	27.50	3.24	-
PK	2.4835G	72.52	74.00	-1.48	41.54	3	Vertical	18.4	2.08	-	27.70	3.28	-
AV	2.4835G	48.53	54.00	-5.47	17.55	3	Vertical	18.4	2.08	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

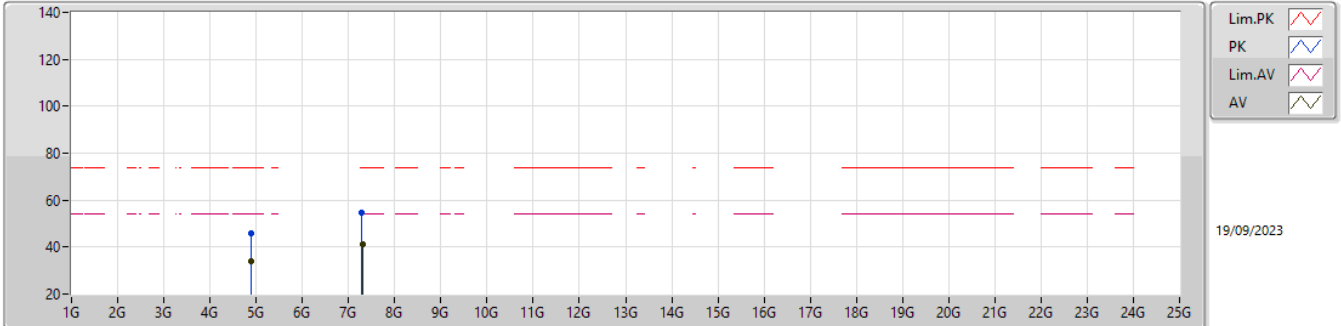


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	70.13	74.00	-3.87	39.64	3	Horizontal	150	2.20	-	27.30	3.19	-
AV	2.3898G	50.60	54.00	-3.40	20.11	3	Horizontal	150	2.20	-	27.30	3.19	-
PK	2.4354G	111.86	Inf	-Inf	81.12	3	Horizontal	150	2.20	-	27.50	3.24	-
AV	2.4358G	100.35	Inf	-Inf	69.61	3	Horizontal	150	2.20	-	27.50	3.24	-
PK	2.4854G	72.45	74.00	-1.55	41.46	3	Horizontal	150	2.20	-	27.70	3.29	-
AV	2.4835G	51.08	54.00	-2.92	20.10	3	Horizontal	150	2.20	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

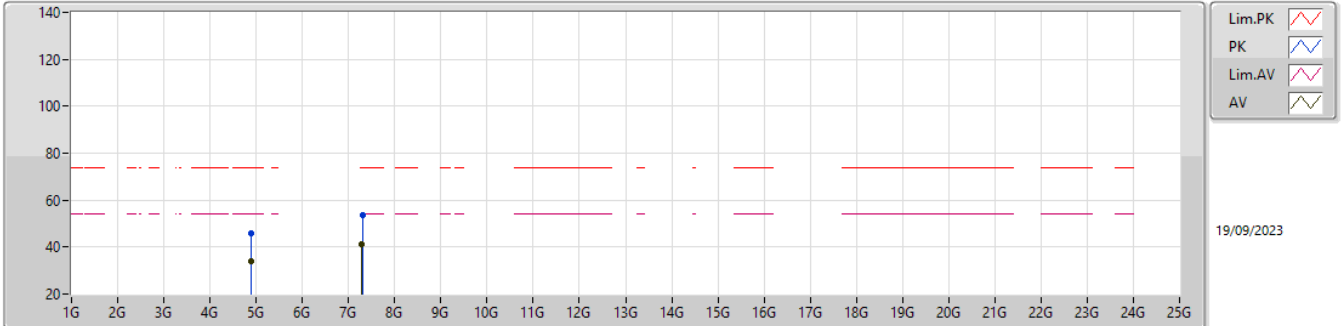


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8846G	45.87	74.00	-28.13	40.51	3	Vertical	161	1.00	-	32.54	5.30	32.48
AV	4.8926G	33.99	54.00	-20.01	28.58	3	Vertical	161	1.00	-	32.57	5.30	32.46
PK	7.2947G	54.48	74.00	-19.52	44.89	3	Vertical	4	1.88	-	36.79	6.89	34.09
AV	7.3003G	41.37	54.00	-12.63	31.76	3	Vertical	4	1.88	-	36.80	6.90	34.09

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

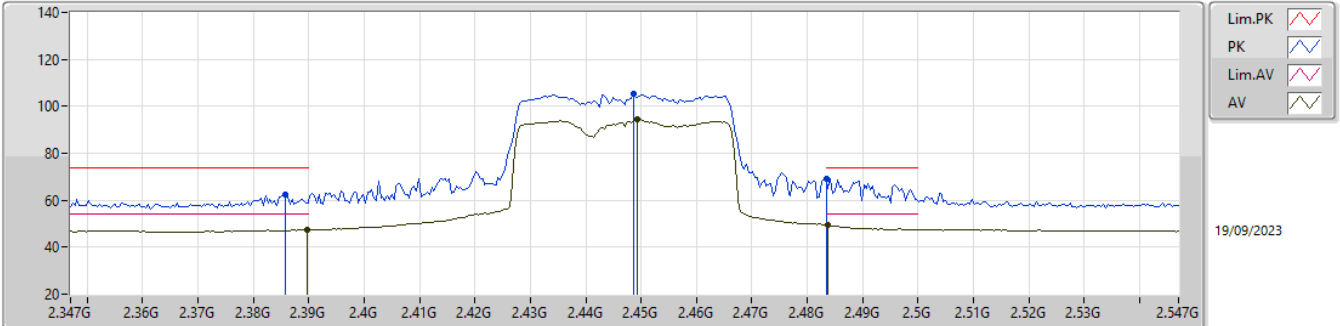


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8854G	45.79	74.00	-28.21	40.43	3	Horizontal	87	2.80	-	32.54	5.30	32.48
AV	4.8942G	34.01	54.00	-19.99	28.59	3	Horizontal	87	2.80	-	32.58	5.30	32.46
PK	7.3018G	53.78	74.00	-20.22	44.18	3	Horizontal	62	2.87	-	36.79	6.90	34.09
AV	7.2908G	41.11	54.00	-12.89	31.53	3	Horizontal	62	2.87	-	36.78	6.89	34.09

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2447MHz_TX

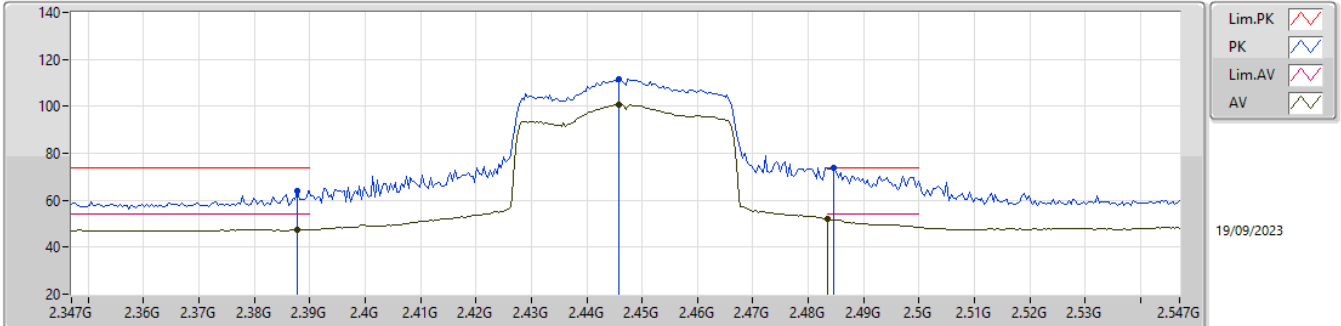


EUT_Z_2TX
Setting 17
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	62.53	74.00	-11.47	32.04	3	Vertical	356	1.80	-	27.30	3.19	-
AV	2.3898G	47.38	54.00	-6.62	16.89	3	Vertical	356	1.80	-	27.30	3.19	-
PK	2.4486G	105.29	Inf	-Inf	74.54	3	Vertical	356	1.80	-	27.50	3.25	-
AV	2.4494G	94.57	Inf	-Inf	63.82	3	Vertical	356	1.80	-	27.50	3.25	-
PK	2.4835G	69.34	74.00	-4.66	38.36	3	Vertical	356	1.80	-	27.70	3.28	-
AV	2.4838G	49.33	54.00	-4.67	18.35	3	Vertical	356	1.80	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2447MHz_TX

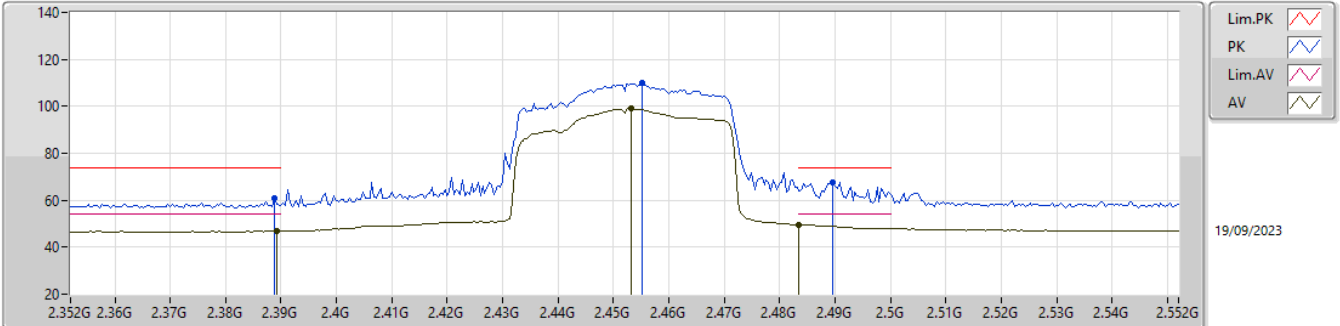


EUT_Z_2TX
 Setting 17
 04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	64.17	74.00	-9.83	33.68	3	Horizontal	147	2.51	-	27.30	3.19	-
AV	2.3878G	47.59	54.00	-6.41	17.10	3	Horizontal	147	2.51	-	27.30	3.19	-
PK	2.4458G	111.66	Inf	-Inf	80.91	3	Horizontal	147	2.51	-	27.50	3.25	-
AV	2.4458G	100.61	Inf	-Inf	69.86	3	Horizontal	147	2.51	-	27.50	3.25	-
PK	2.4846G	73.91	74.00	-0.09	42.93	3	Horizontal	147	2.51	-	27.70	3.28	-
AV	2.4835G	52.12	54.00	-1.88	21.14	3	Horizontal	147	2.51	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX

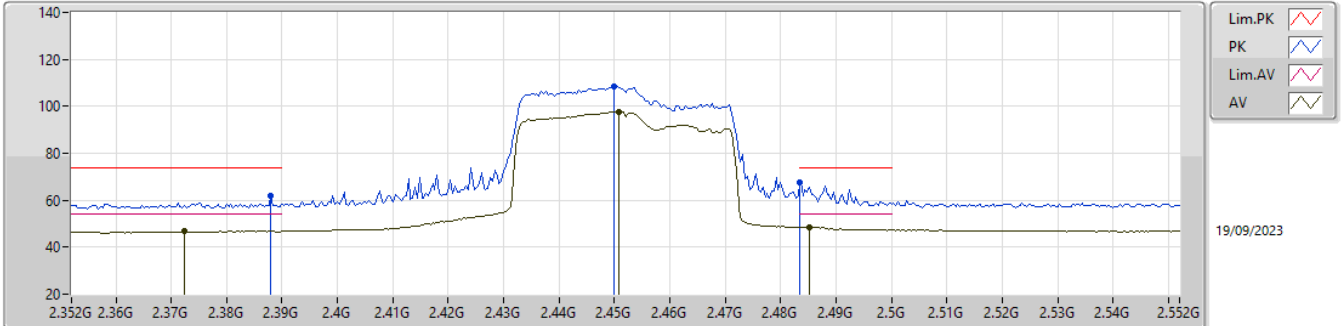


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	60.69	74.00	-13.31	30.20	3	Vertical	48	2.78	-	27.30	3.19	-
AV	2.3892G	46.93	54.00	-7.07	16.44	3	Vertical	48	2.78	-	27.30	3.19	-
PK	2.4552G	110.05	Inf	-Inf	79.24	3	Vertical	48	2.78	-	27.55	3.26	-
AV	2.4532G	99.02	Inf	-Inf	68.24	3	Vertical	48	2.78	-	27.53	3.25	-
PK	2.4896G	67.59	74.00	-6.41	36.60	3	Vertical	48	2.78	-	27.70	3.29	-
AV	2.4835G	49.53	54.00	-4.47	18.55	3	Vertical	48	2.78	-	27.70	3.28	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX

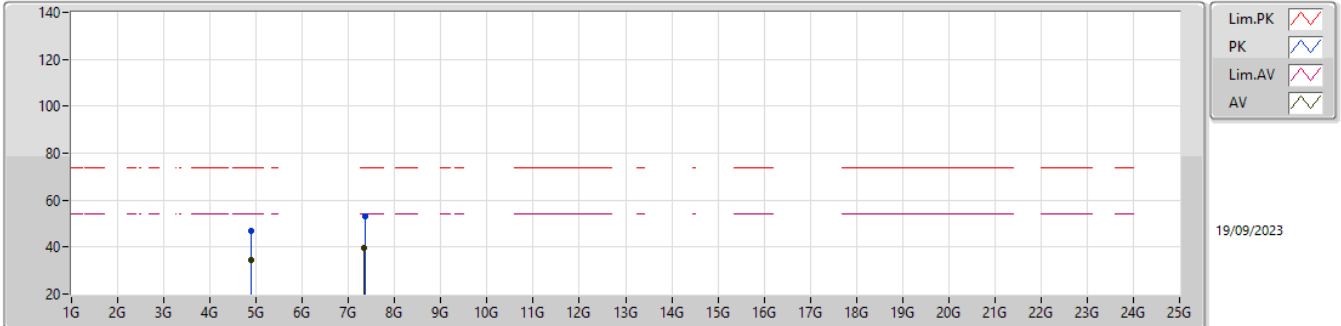


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.388G	62.10	74.00	-11.90	31.61	3	Horizontal	112	2.78	-	27.30	3.19	-
AV	2.3724G	46.75	54.00	-7.25	16.26	3	Horizontal	112	2.78	-	27.30	3.19	-
PK	2.45G	108.62	Inf	-Inf	77.87	3	Horizontal	112	2.78	-	27.50	3.25	-
AV	2.4508G	97.75	Inf	-Inf	66.99	3	Horizontal	112	2.78	-	27.51	3.25	-
PK	2.4835G	67.50	74.00	-6.50	36.52	3	Horizontal	112	2.78	-	27.70	3.28	-
AV	2.4852G	48.54	54.00	-5.46	17.55	3	Horizontal	112	2.78	-	27.70	3.29	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX

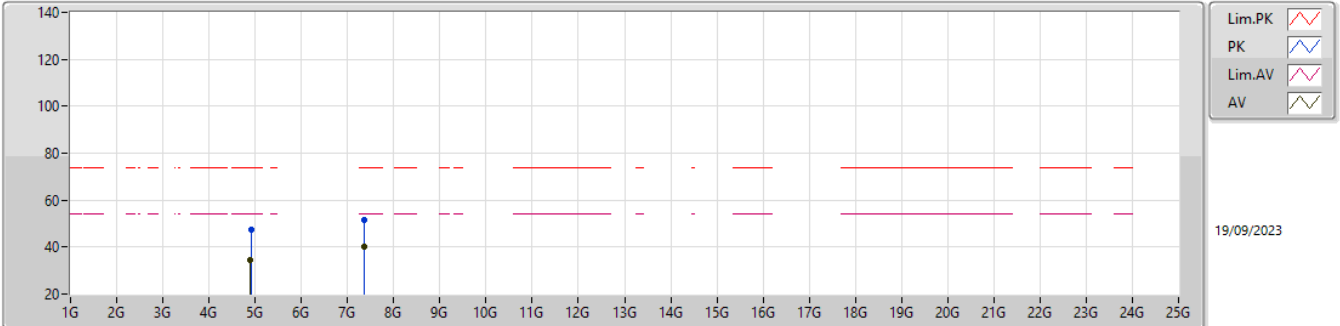


EUT_Z_2TX
Setting 16
04-H-R-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8989G	46.92	74.00	-27.08	41.47	3	Vertical	67	2.19	-	32.60	5.30	32.45
AV	4.8949G	34.39	54.00	-19.61	28.97	3	Vertical	67	2.19	-	32.58	5.30	32.46
PK	7.353G	53.10	74.00	-20.90	43.69	3	Vertical	311	1.15	-	36.57	6.95	34.11
AV	7.3464G	39.70	54.00	-14.30	30.25	3	Vertical	311	1.15	-	36.61	6.95	34.11

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX



EUT_Z_2TX
Setting 16
04-H-R-7

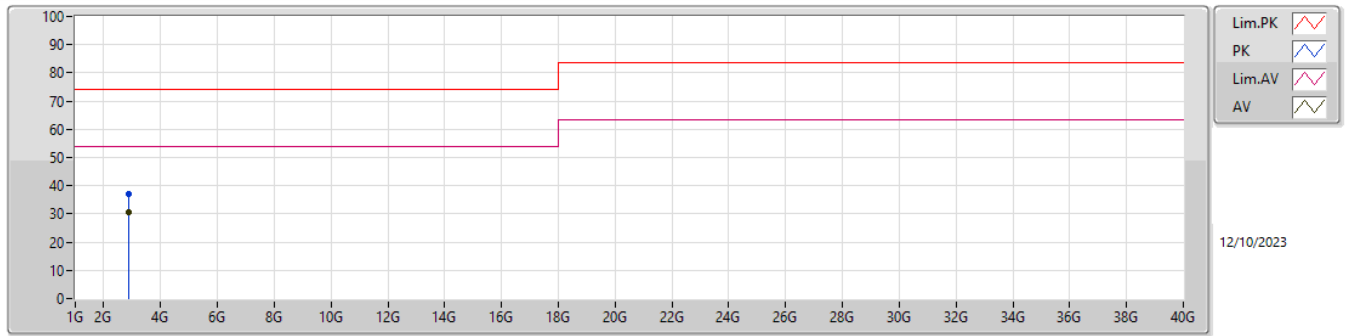
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.926G	47.53	74.00	-26.47	41.85	3	Horizontal	145	2.78	-	32.76	5.30	32.38
AV	4.8946G	34.39	54.00	-19.61	28.97	3	Horizontal	145	2.78	-	32.58	5.30	32.46
PK	7.353G	51.52	74.00	-22.48	42.11	3	Horizontal	270	2.03	-	36.57	6.95	34.11
AV	7.3498G	40.20	54.00	-13.80	30.76	3	Horizontal	270	2.03	-	36.60	6.95	34.11



Summary

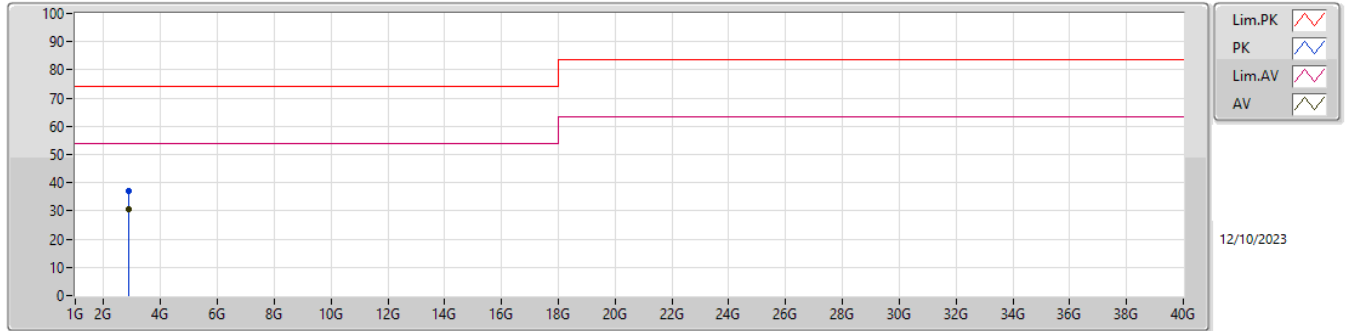
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.87999G	30.60	54.00	-23.40	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	2.87977G	36.92	74.00	-37.08	-1.80	3	Vertical	356	2.94	-	38.72	28.60	4.35	34.75
AV	2.87999G	30.60	54.00	-23.40	-1.80	3	Vertical	356	2.94	-	32.40	28.60	4.35	34.75

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	2.87996G	37.03	74.00	-36.97	-1.80	3	Horizontal	345	2.64	-	38.83	28.60	4.35	34.75
AV	2.88G	30.51	54.00	-23.49	-1.80	3	Horizontal	345	2.64	-	32.31	28.60	4.35	34.75