

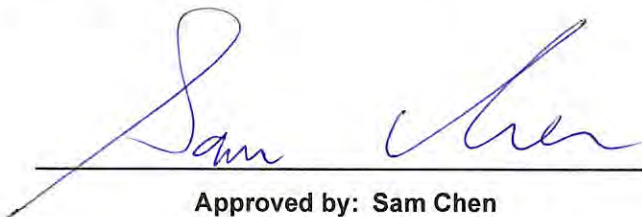


# RADIO TEST REPORT

**FCC ID** : 2ABLK-GPR2022XX  
**Equipment** : GigaPro p6dx  
**Brand Name** : Calix  
**Model Name** : p6dx GPR2022H  
**Applicant** : Calix Inc.  
1035 N. McDowell Blvd. Petaluma, CA94954 U.S.A.  
**Manufacturer** : Alpha Networks Inc.  
No. 8, Li-Hsin 7th Rd., Hsinchu Science Park,  
Hsinchu 300094, Taiwan  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Mar. 08, 2024, and testing was started from Mar. 08, 2024 and completed on May 03, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

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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/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

**Disclaimer:**

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

**Reviewed by: Sam Chen**

**Report Producer: Muse Chan**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

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

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

**Note:**

- ◆ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ◆ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM 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 Name	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	HLt	6NS1293	Sector	I-PEX	-	9.10
2	2	HLt	6NS1293	Sector	I-PEX	-	9.20
3	3	HLt	6NS1293	Sector	I-PEX	-	9.20
4	4	HLt	6NS1293	Sector	I-PEX	-	9.20
5	1	HLt	6NS1293	Sector	I-PEX	8.60	-
6	2	HLt	6NS1293	Sector	I-PEX	8.60	-

Note 1: The above information was declared by manufacturer.

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

2.4G G1= 8.60 dBi ;G2= 8.60 dBi

5G UNII-1 G1 = 9.10 dBi; G2 = 9.20 dBi;G3 = 9.20 dBi; G4 = 9.20 dBi

5G UNII-3 G1 = 9.10 dBi; G2 = 9.20 dBi;G3 = 9.20 dBi; G4 = 9.20 dBi

Cross-Polarized Antenna

2.4G DG = 8.60 dBi

5G UNII-1 DG = 12.21 dBi

5G UNII-3 DG = 12.21 dBi



Note 3: **For 2.4GHz function:**

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

**For 5GHz function:**

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

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss 1,(1D)	0.709	1.49	688.438u	3k
802.11g_Nss 1,(6D)	0.947	0.24	1.977m	1k
802.11ax HEW20_Nss 1,(M0)	0.73	1.37	5.445m	300
802.11ax HEW40_Nss 1,(M0)	0.73	1.37	5.444m	300
802.11ax HEW20-BF_Nss 1,(M0)	0.947	0.24	3.458m	300
802.11ax HEW40-BF_Nss 1,(M0)	0.948	0.23	3.457m	300

Note:

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

**1.1.4 EUT Operational Condition**

<b>EUT Power Type</b>	From Power Adapter or PoE			
<b>Beamforming Function</b>	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
<b>Function</b>	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
<b>Support RU</b>	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
<b>Test Software Version</b>	Others: QSPR 5.0-00202 Beamforming Mode: DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

**1.1.5 Table for EUT Supports Functions**

Function
AP Router
Bridge
Extender

Note: The above information was declared by manufacturer.



### 1.2 Applicable Standards

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

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

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

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

### 1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	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	TH02-CB	Kevin Huang	21.9~24 / 62~67	Mar. 08, 2024~ Mar. 31, 2024
Radiated Below 1G	03CH05-CB	Gordon Hung	21.6-22.7 / 56-59	Mar. 28, 2024~ May 03, 2024
Radiated Above 1G	03CH02-CB		22~23 / 55~58	
	03CH03-CB		21.4~22.5 / 55~58	
	03CH04-CB		22.7~23.8 / 56~59	
	03CH06-CB		21.4~22.5 / 55~58	
AC Conduction	CO01-CB	Elvin Yeh	23~24 / 58~60	May 02, 2024

### 1.4 Measurement Uncertainty

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

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





## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

Mode
802.11b_Nss1,(1Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11g_Nss1,(6Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11ax HEW20_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11ax HEW40_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz
802.11ax HEW20-BF_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11ax HEW40-BF_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz

**Note:**

- ◆ HEW20 / HEW40 covers HT20 / HT40 / VHT20 / VHT40 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 is the same or lower than HEW20 / HEW40.



## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	CTX
1	EUT_WLAN 2.4GHz + Adapter
2	EUT_WLAN 2.4GHz + PoE
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT_WLAN 5GHz + Adapter
For operating mode 3 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emissions in Restricted Frequency Bands
<b>Test Condition</b>	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.
<b>Operating Mode &lt; 1GHz</b>	CTX After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + Adapter
2	EUT in Y axis_WLAN 2.4GHz + PoE
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT in Y axis_WLAN 5GHz + Adapter
For operating mode 1 is the worst case and it was record in this test report.	
<b>Operating Mode &gt; 1GHz</b>	CTX After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz

Refer to Sporton Test Report No.: FA430430 for Co-location RF Exposure Evaluation.

Note 1: The PoE and Adapter are for measurement only, would not be marketed.  
 The PoE and Adapter information as below:

Power	Brand	Model
PoE	DELTA	ADH-90AR B
Adapter	Amigo	AMS157-1203000F3U

### 2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

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

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN AP and transmit duty cycle no less than 98%.

For Radiated Mode:

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

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

### 2.4 Accessories

Accessories
Wall-mounted rack*1



## 2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	GONP SFP	Calix	100-05950	N/A
C	Adapter	Amigo	AMS157-1203000F3U	N/A

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Adapter	Amigo	AMS157-1203000F3U	N/A

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Client	Alpha	WAP-AX13	N/A
C	NB	DELL	E4300	N/A
D	Adapter	Amigo	AMS157-1203000F3U	N/A

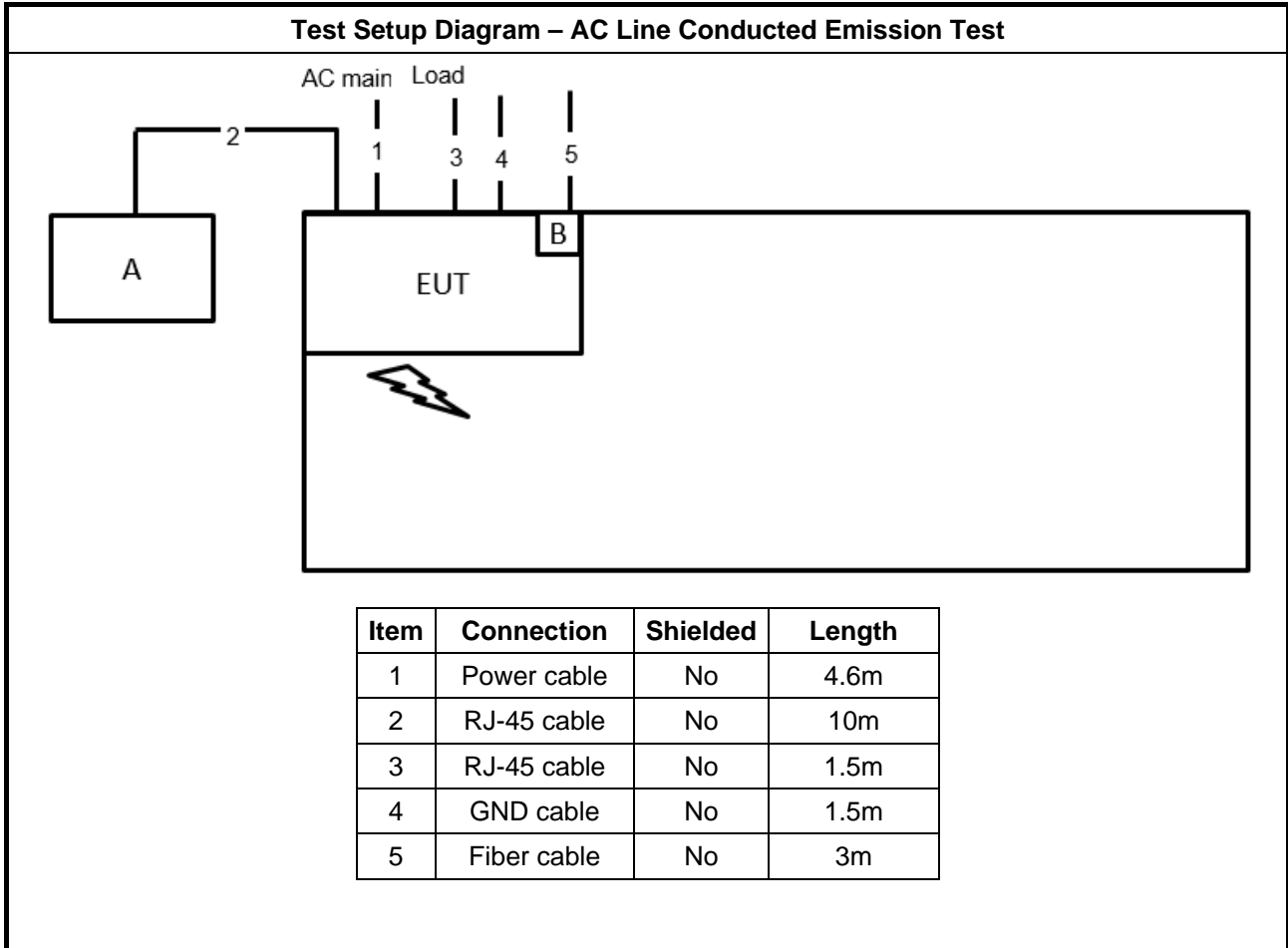
For RF Conducted <Non-beamforming mode>:

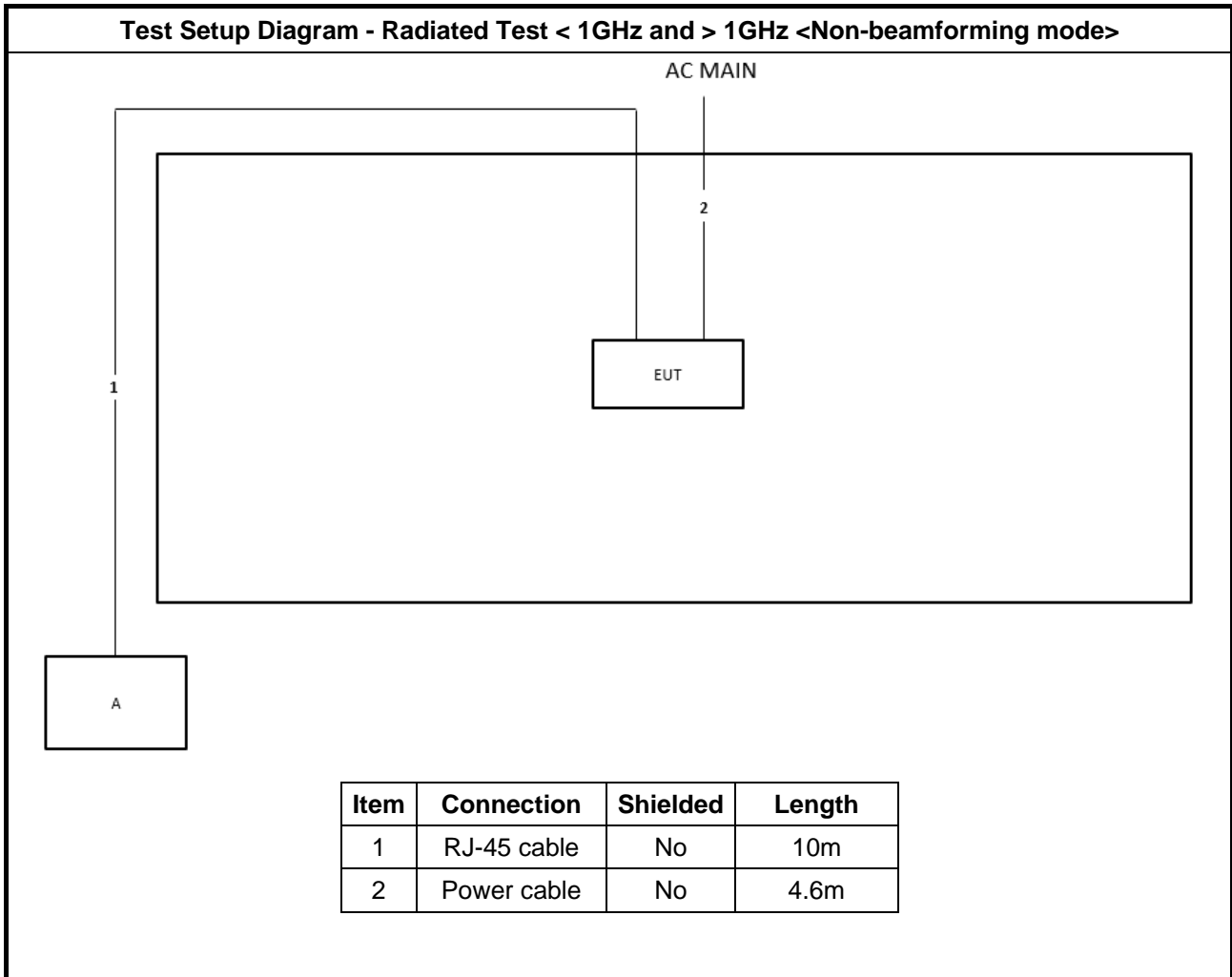
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Adapter	Amigo	AMS157-1203000F3U	N/A

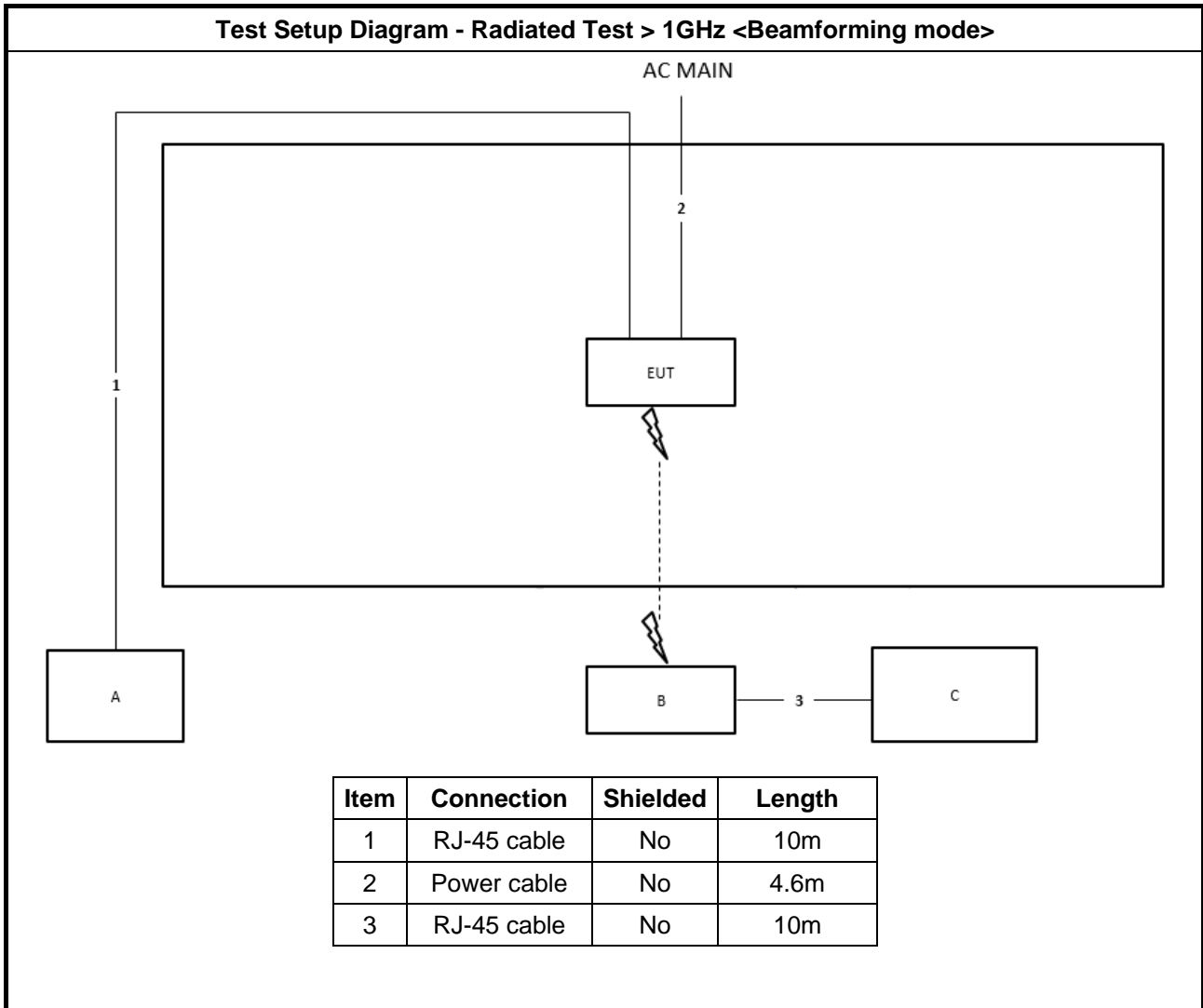
For RF Conducted <Beamforming mode>:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN AP	Alpha	p6dx GPR2022H	N/A
D	Adapter	Amigo	AMS157-1203000F3U	N/A

## 2.6 Test Setup Diagram









### 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

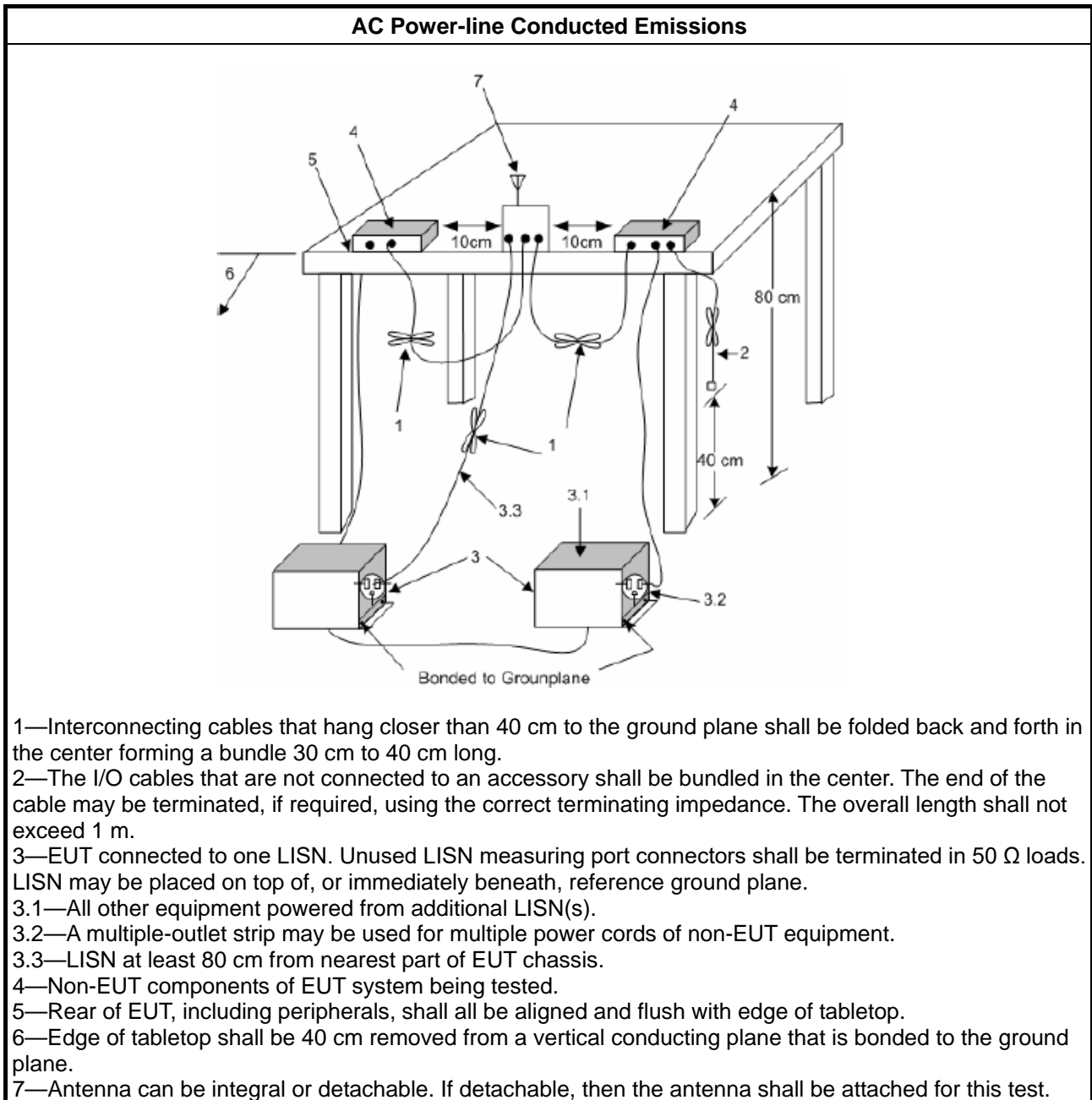
Refer a test equipment and calibration data table in this test report.

##### 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
<b>Systems using digital modulation techniques:</b>
<ul style="list-style-type: none"> <li>▪ 6 dB bandwidth <math>\geq</math> 500 kHz.</li> </ul>

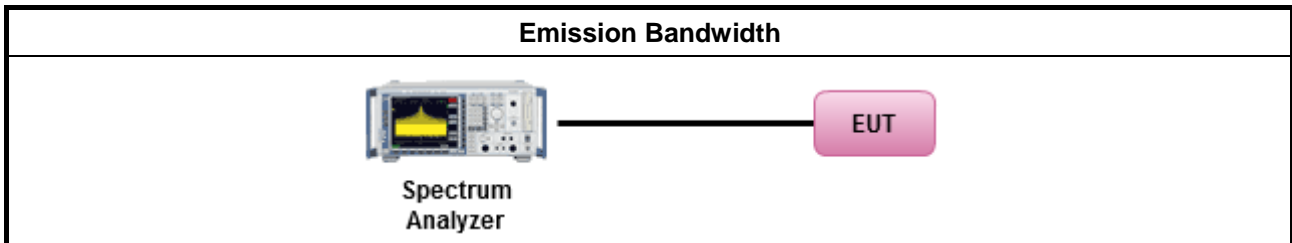
#### 3.2.2 Measuring Instruments

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"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>
<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"> <li>▪ If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS):</li> </ul>
	<ul style="list-style-type: none"> <li>- Single beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Aggregate power on all beams: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3 + 8</math> dB dBm</li> </ul>
<p><math>P_{Out}</math> = maximum peak conducted output power or maximum conducted output power in dBm,  <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	

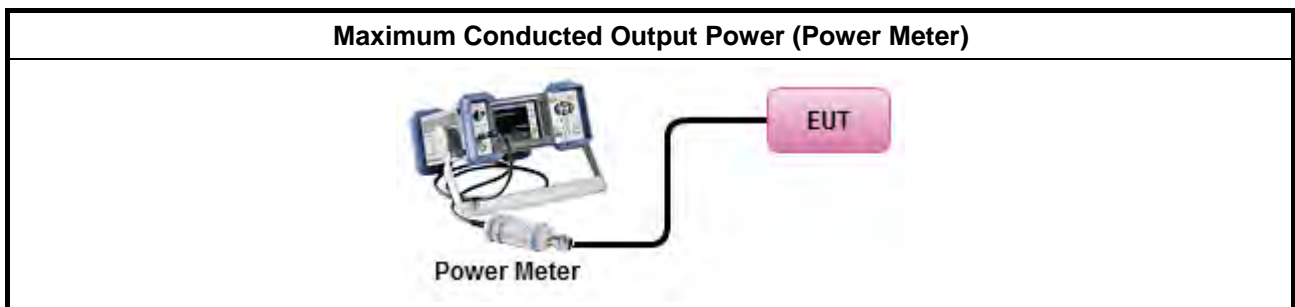
#### 3.3.2 Measuring Instruments

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"> <li>▪ Maximum Peak Conducted Output Power</li> </ul>	
	<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"> <li>▪ Maximum Conducted Output Power</li> </ul>	
[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"> <li>▪ For conducted measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>            (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>

**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"> <li>Power Spectral Density (PSD) <math>\leq 8</math> dBm/3kHz</li> </ul>

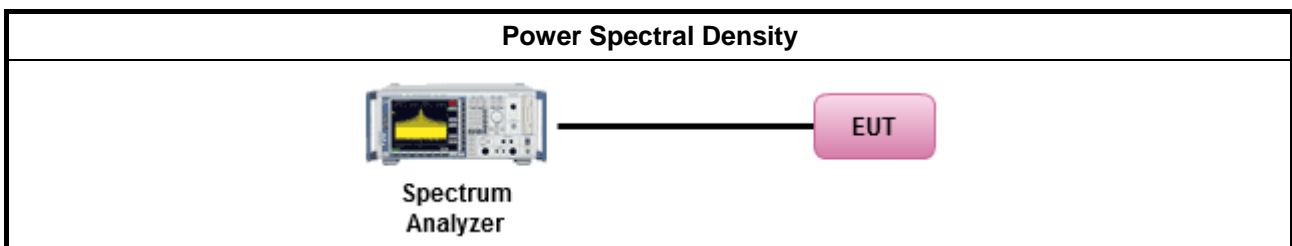
#### 3.4.2 Measuring Instruments

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"> <li>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).</li> </ul>			
<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"> <li>For conducted measurement.             <ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below:                 <table border="1" style="width: 100%;"> <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> </li> </ul> </li> </ul>	<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.

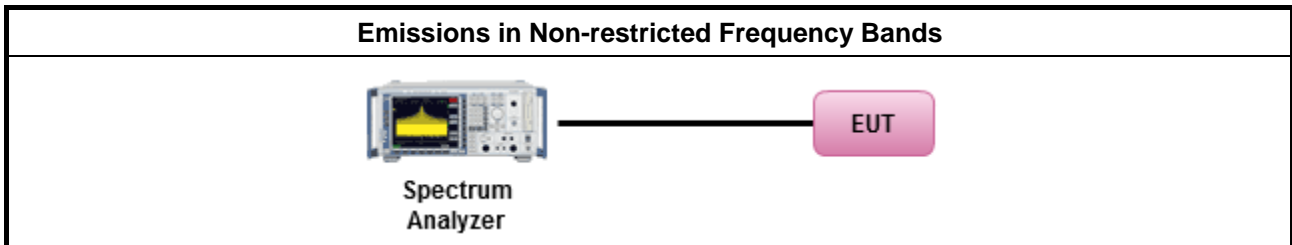
#### 3.5.2 Measuring Instruments

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"> <li>Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.</li> </ul>

#### 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

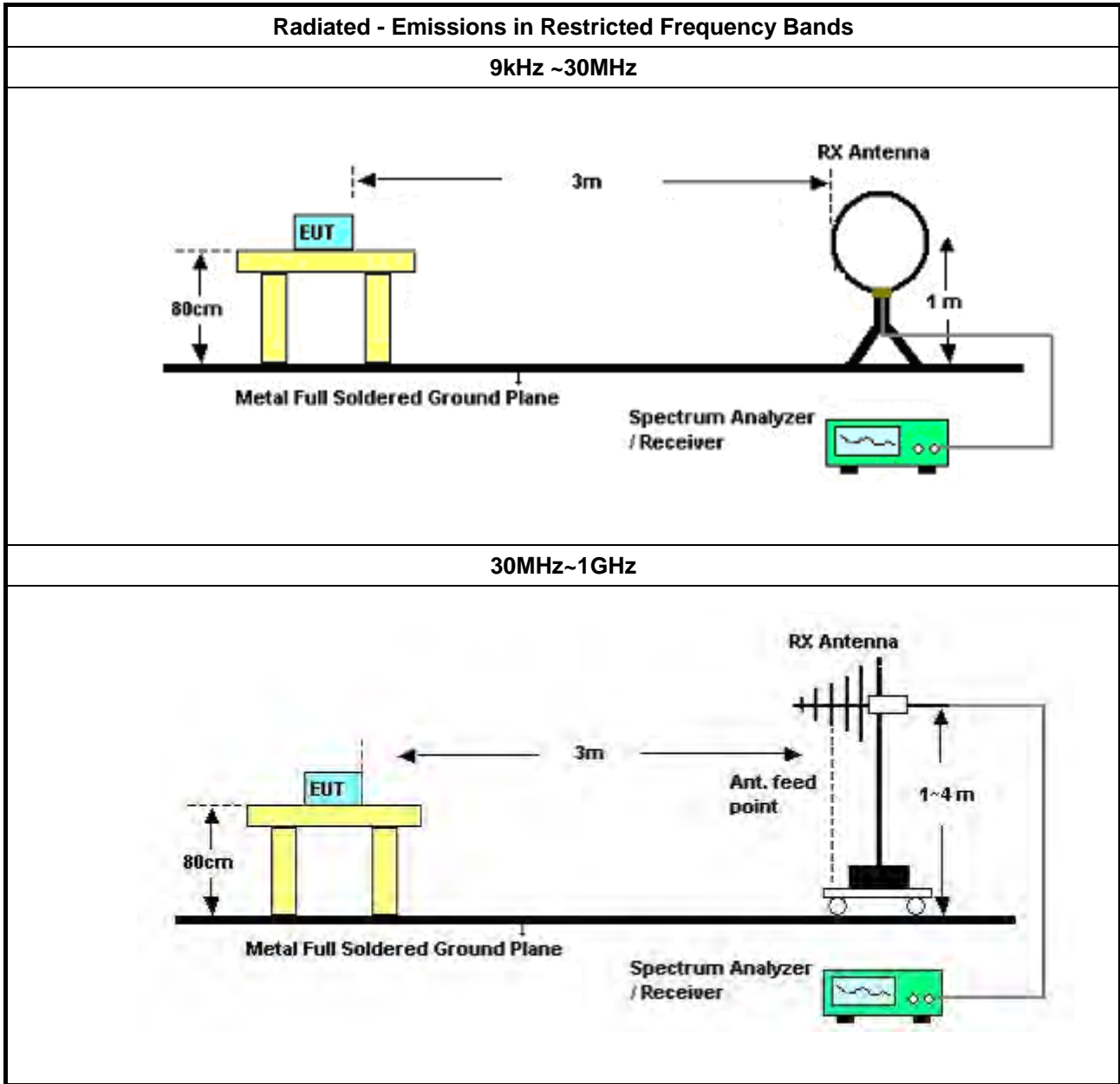
Refer a test equipment and calibration data table in this test report.

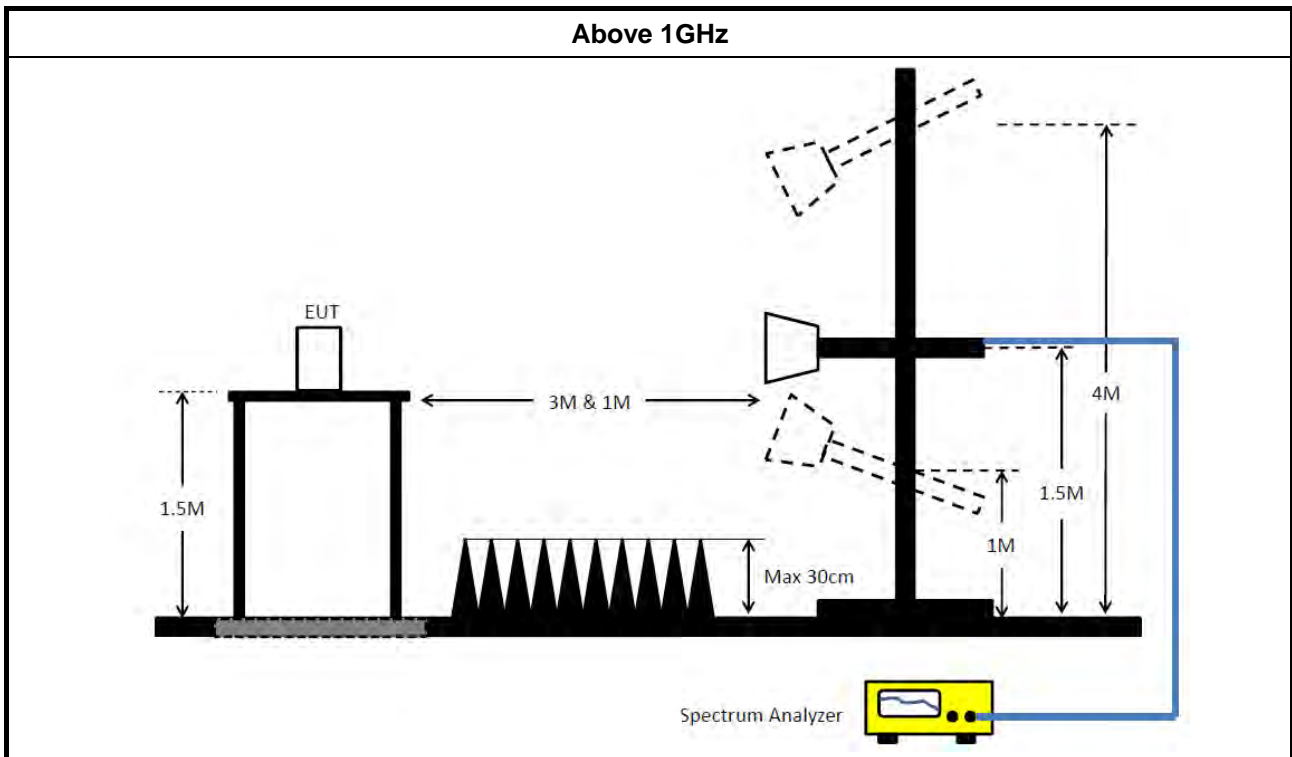


**3.6.3 Test Procedures**

<b>Test Method</b>	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.</li> </ul>
	<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"> <li>▪ For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074 clause 8.7 &amp; 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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).</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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             </li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>

**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	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMC I	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2024	May 01, 2025	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2024	Jan. 23, 2025	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)



3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 22, 2024	Feb. 21, 2025	Radiation (03CH04-CB)
Horn Antenna	ETS · Lindgren	3115	00143147	750MHz~18GHz	Oct. 04, 2023	Oct. 03, 2024	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 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. 24, 2023	Nov. 23, 2024	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	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	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)



Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 14, 2023	Aug. 13, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 –26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

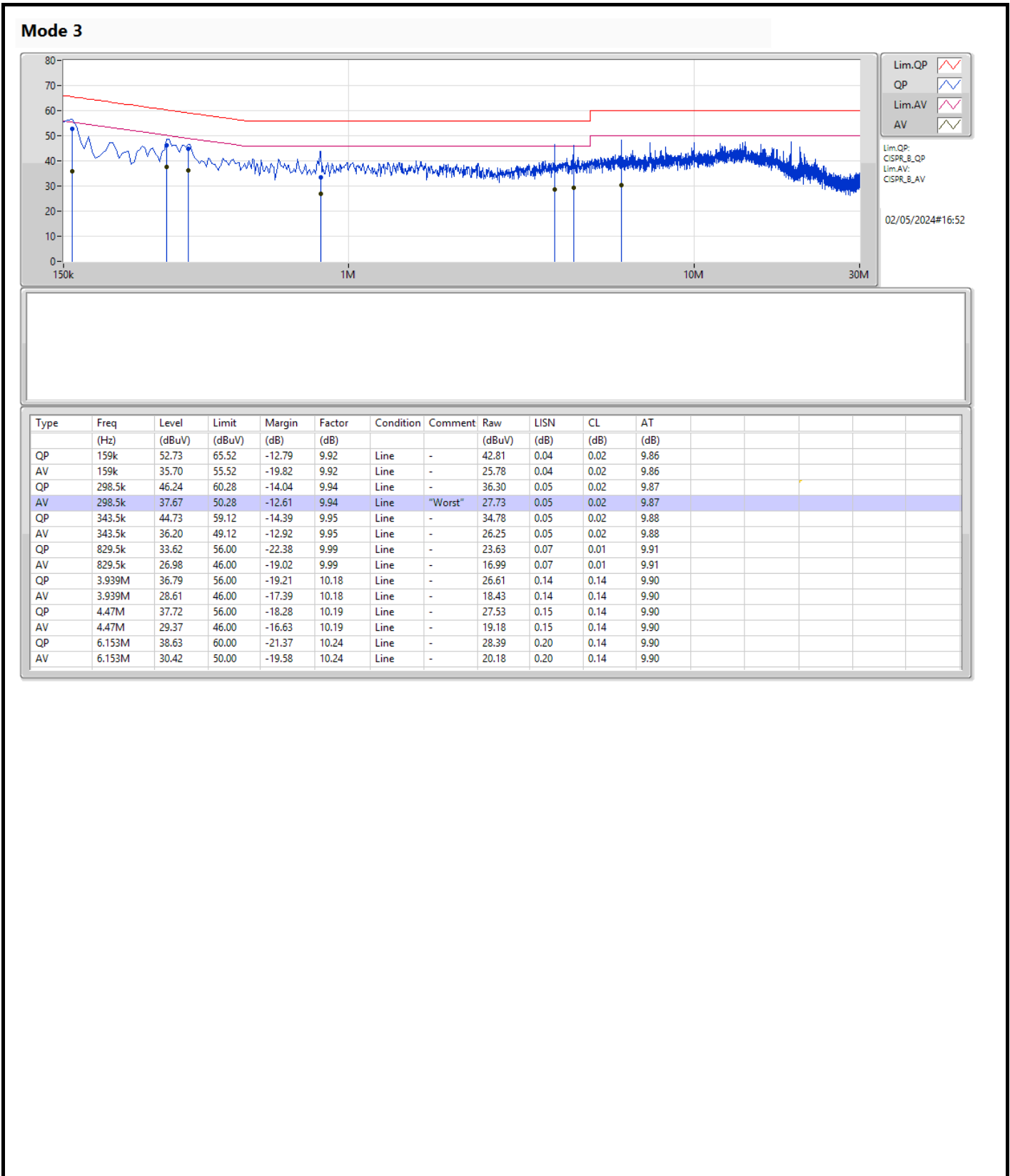
Note: Calibration Interval of instruments listed above is one year.  
NCR means Non-Calibration required.

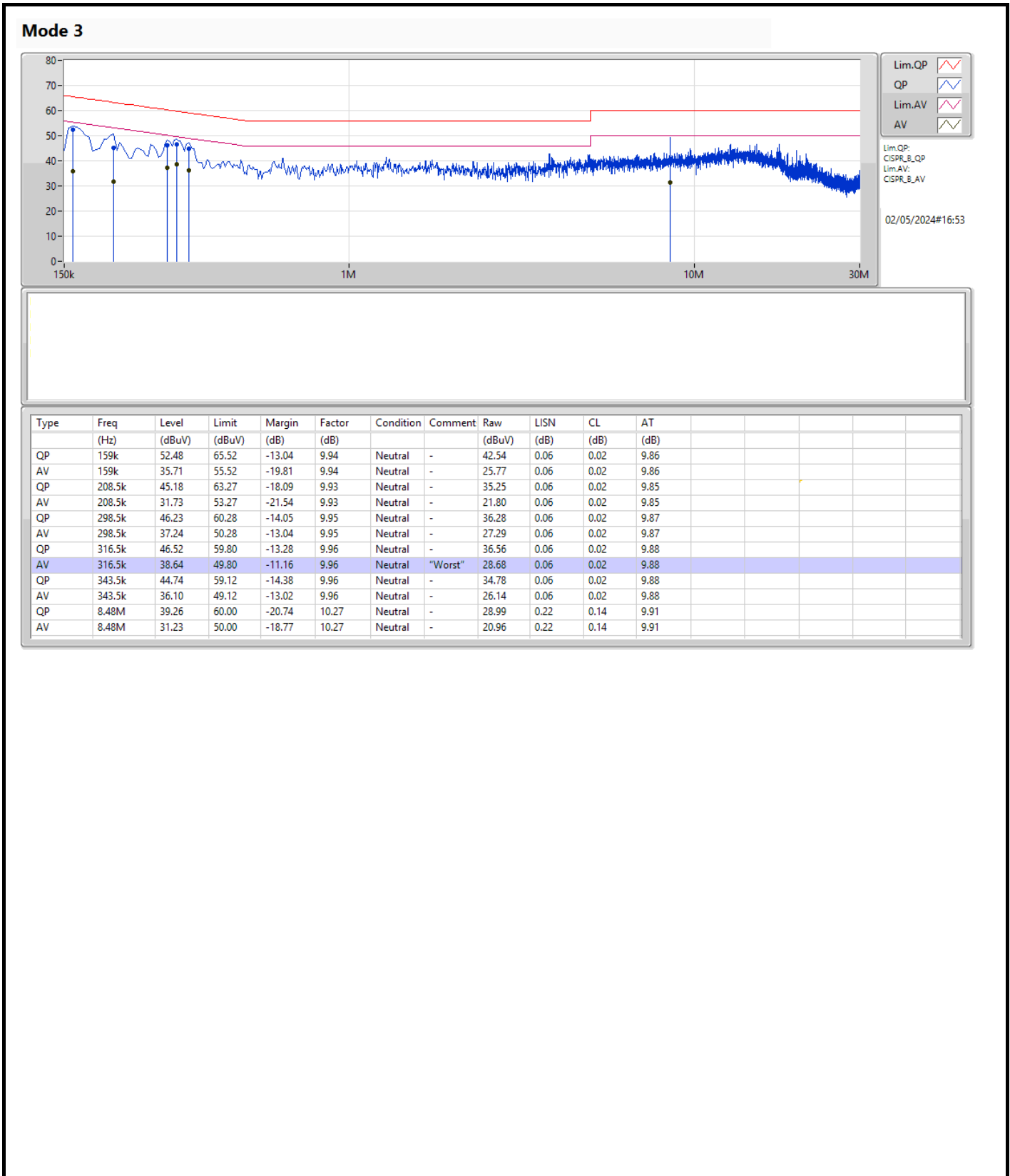




**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	AV	316.5k	38.64	49.80	-11.16	Neutral





**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.025M	12.939M	12M9G1D	7.075M	12.804M
802.11g_Nss1,(6Mbps)_2TX	16.4M	16.448M	16M4D1D	16.325M	16.382M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.1M	18.966M	19M0D1D	18.9M	18.866M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.025M	18.924M	18M9D1D	17.15M	18.845M
802.11ax HEW40_Nss1,(MCS0)_2TX	38.1M	37.831M	37M8D1D	37.75M	37.631M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.5M	37.881M	37M9D1D	23.1M	37.253M

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	8.025M	12.879M	7.55M	12.879M
2437MHz	Pass	500k	7.3M	12.849M	7.075M	12.939M
2462MHz	Pass	500k	7.75M	12.804M	7.55M	12.894M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.4M	16.382M	16.375M	16.382M
2437MHz	Pass	500k	16.375M	16.448M	16.325M	16.382M
2462MHz	Pass	500k	16.35M	16.382M	16.375M	16.404M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	18.966M	19.025M	18.866M
2437MHz	Pass	500k	19.05M	18.891M	19.025M	18.891M
2462MHz	Pass	500k	18.9M	18.891M	19.1M	18.866M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	38.1M	37.781M	37.95M	37.631M
2437MHz	Pass	500k	38.1M	37.781M	37.75M	37.731M
2452MHz	Pass	500k	37.85M	37.831M	37.9M	37.681M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.15M	18.902M	18.625M	18.901M
2437MHz	Pass	500k	17.4M	18.916M	18.3M	18.845M
2462MHz	Pass	500k	19.025M	18.924M	18.825M	18.901M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	30.6M	37.881M	36.35M	37.528M
2437MHz	Pass	500k	23.1M	37.784M	36.8M	37.253M
2452MHz	Pass	500k	30.1M	37.765M	37.5M	37.795M

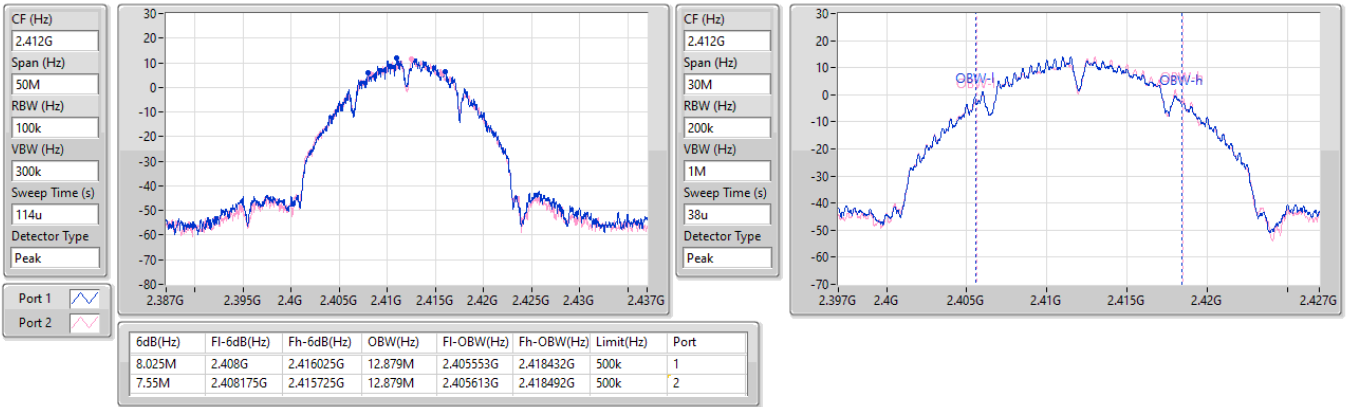
Port X-N dB = Port X 6dB down bandwidth:  
 Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

EBW

2412MHz

08/03/2024

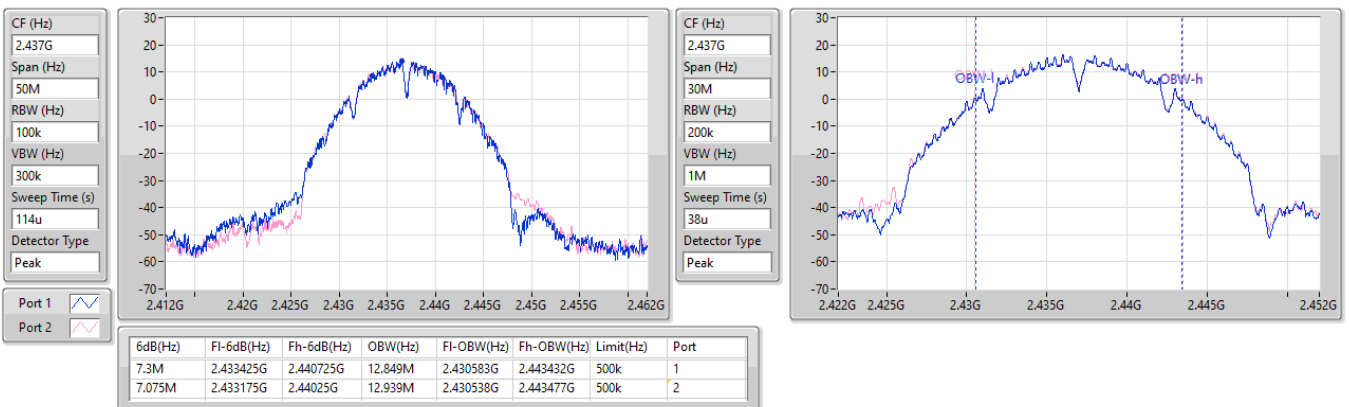


2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz

08/03/2024

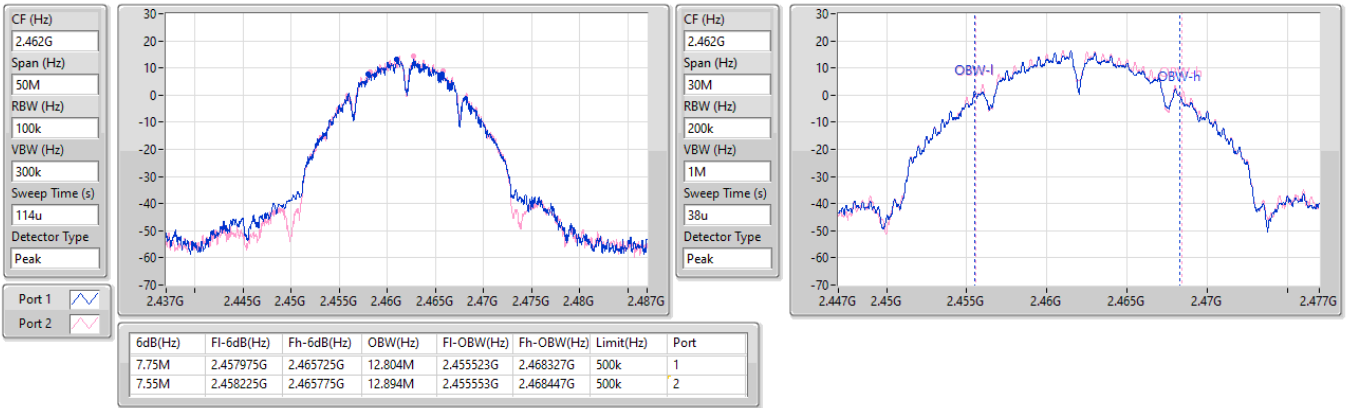


2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

EBW

2462MHz

08/03/2024

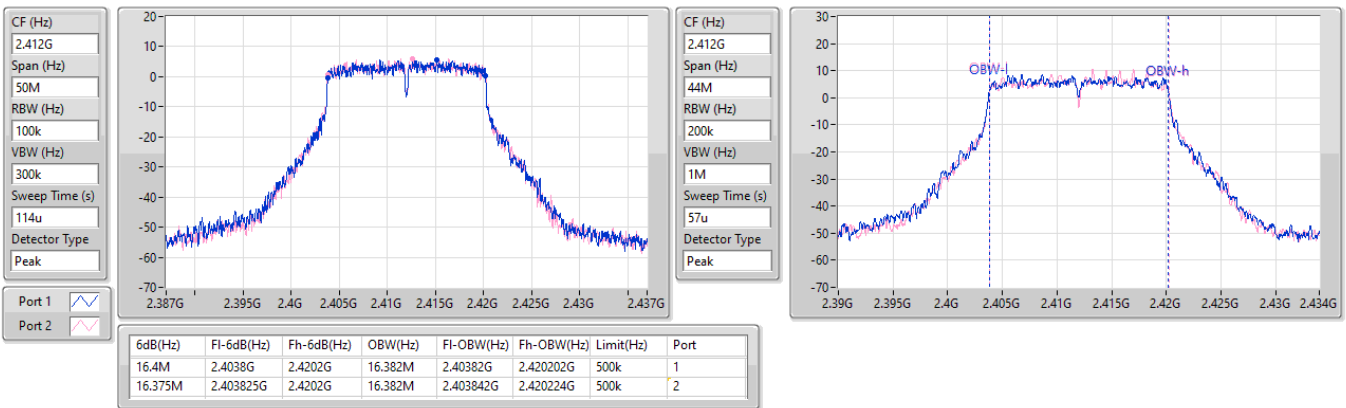


2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

EBW

2412MHz

08/03/2024

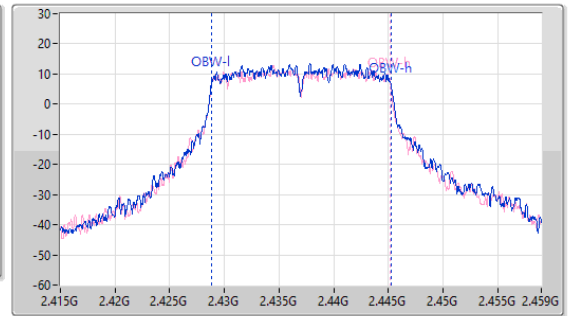
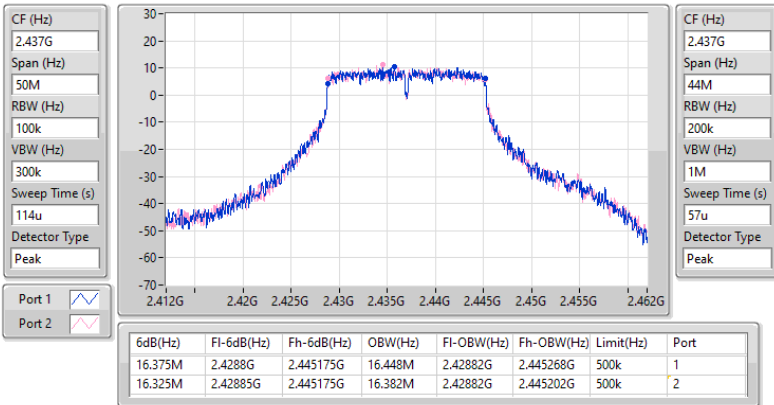


2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

EBW

2437MHz

08/03/2024

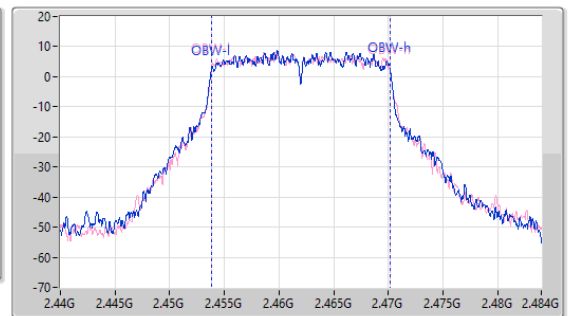
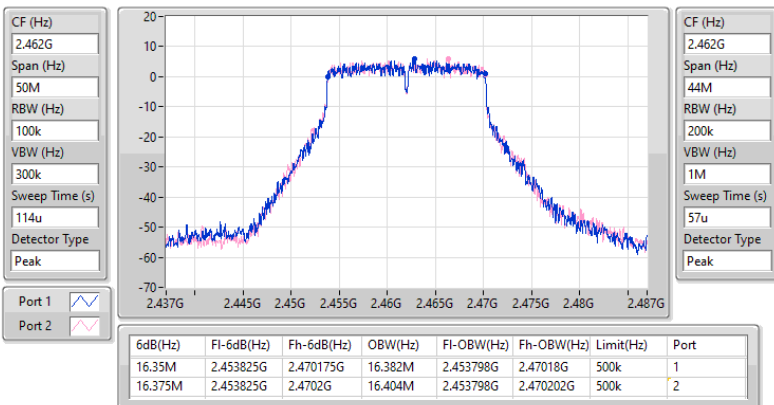


2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

EBW

2462MHz

08/03/2024



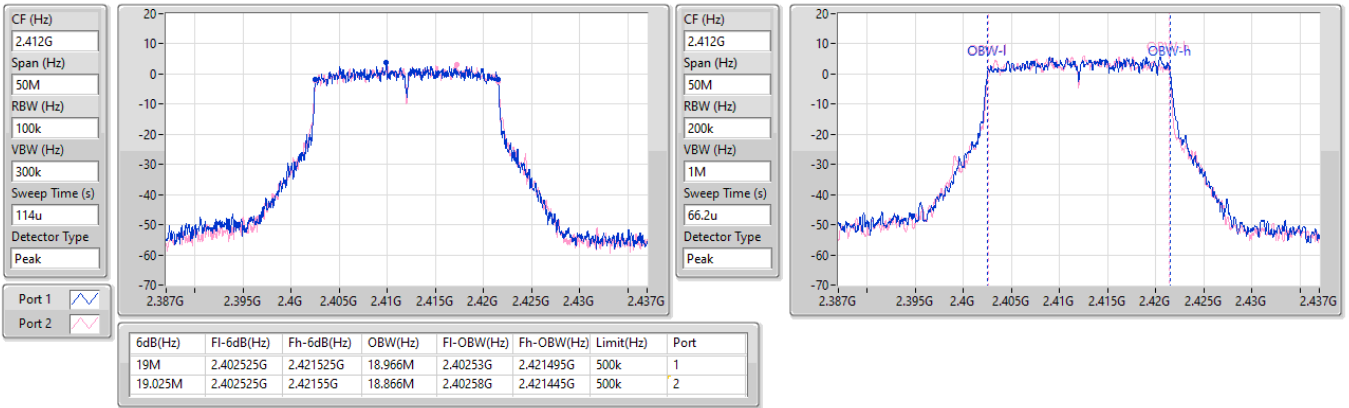


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

08/03/2024

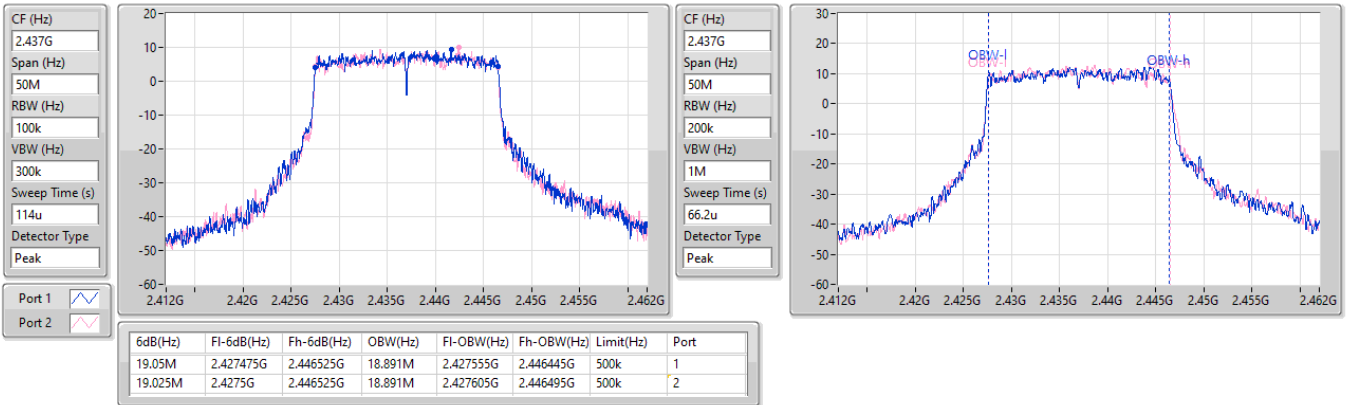


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

08/03/2024

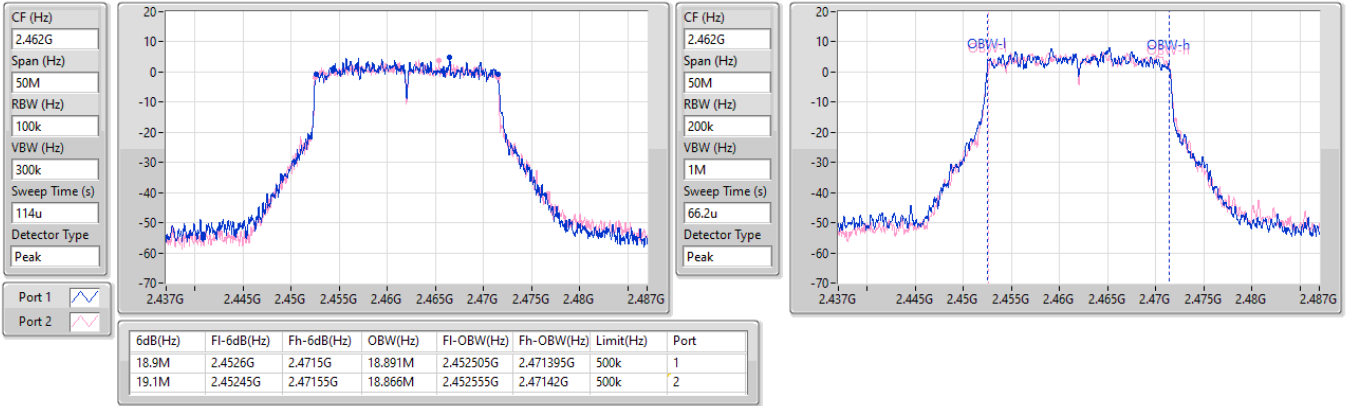


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2462MHz

08/03/2024

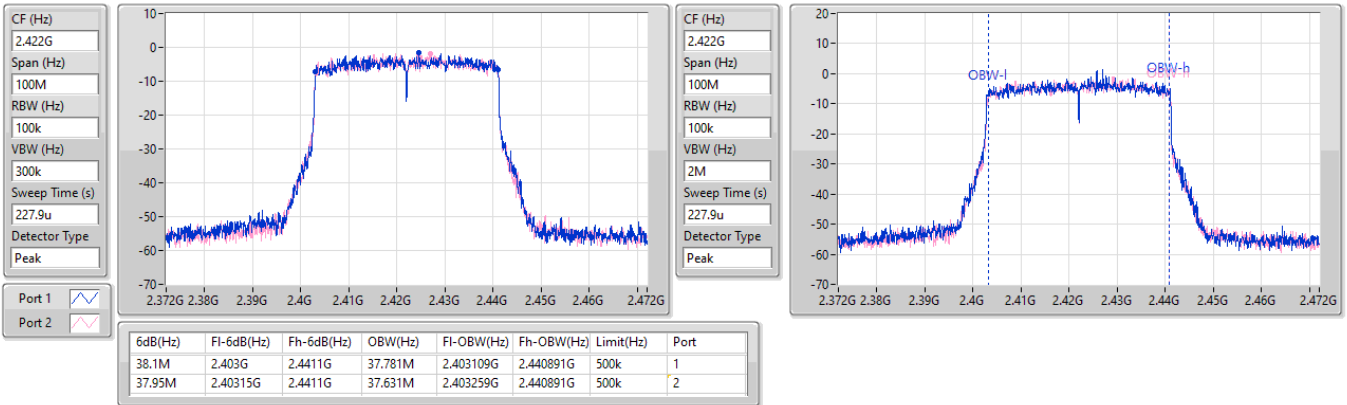


2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2422MHz

08/03/2024

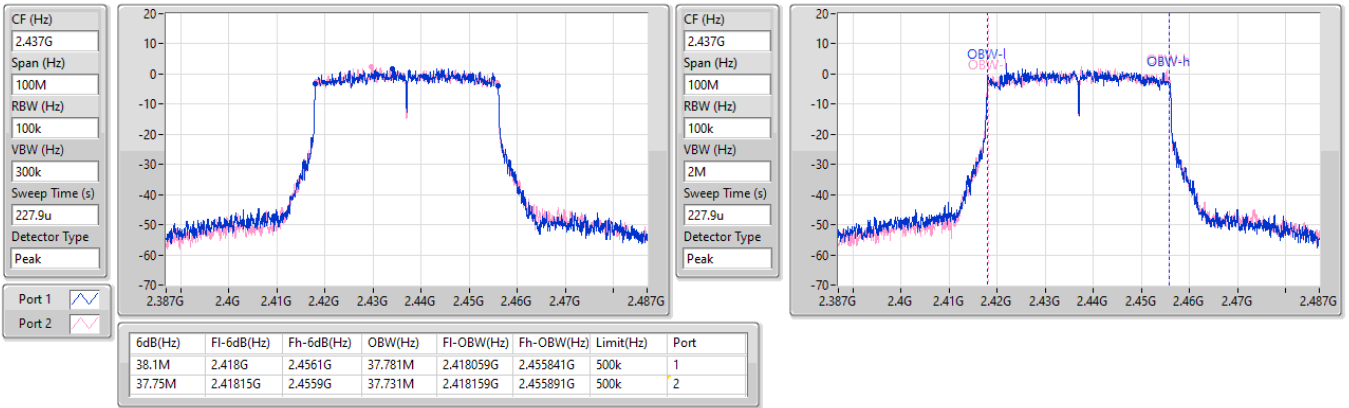


2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

08/03/2024

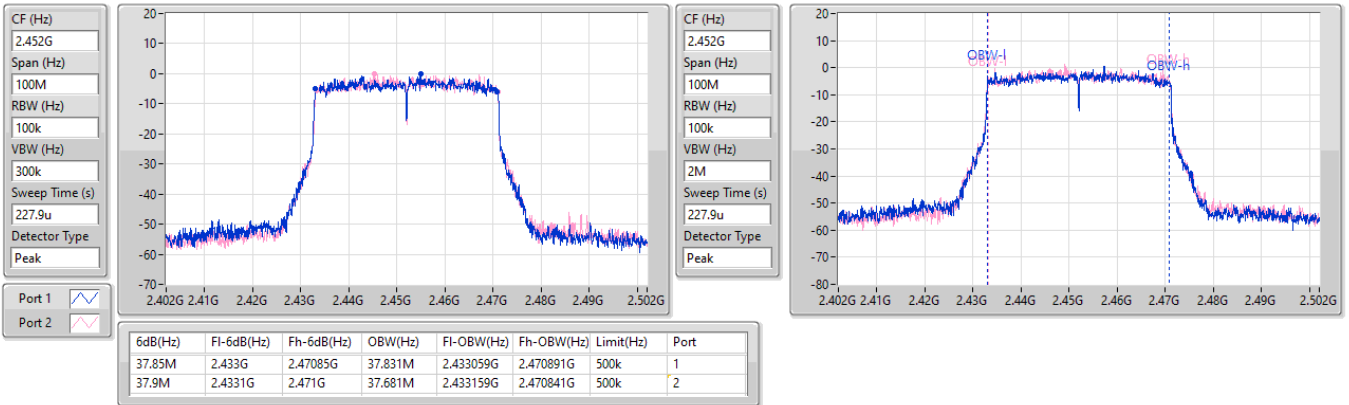


2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

08/03/2024

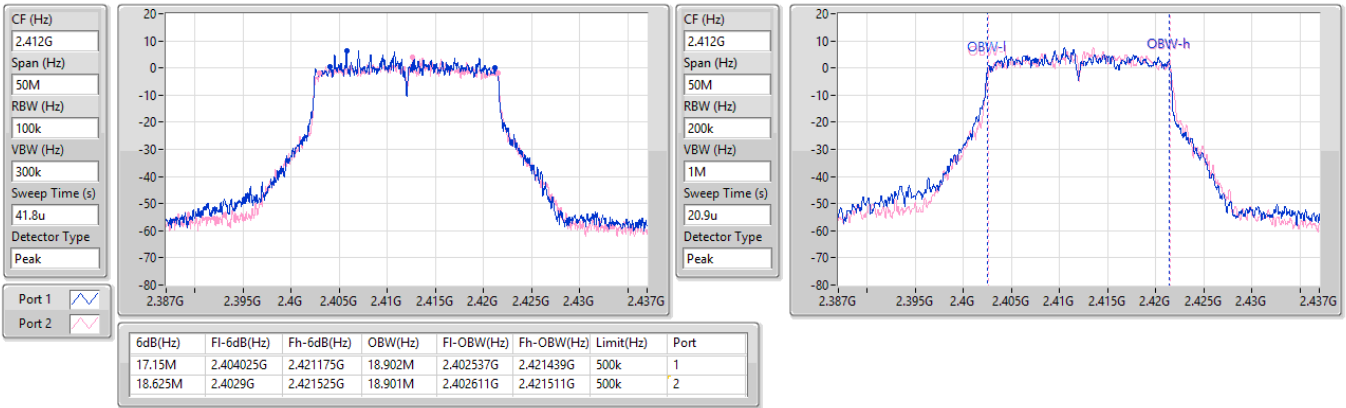


2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

2412MHz

12/03/2024

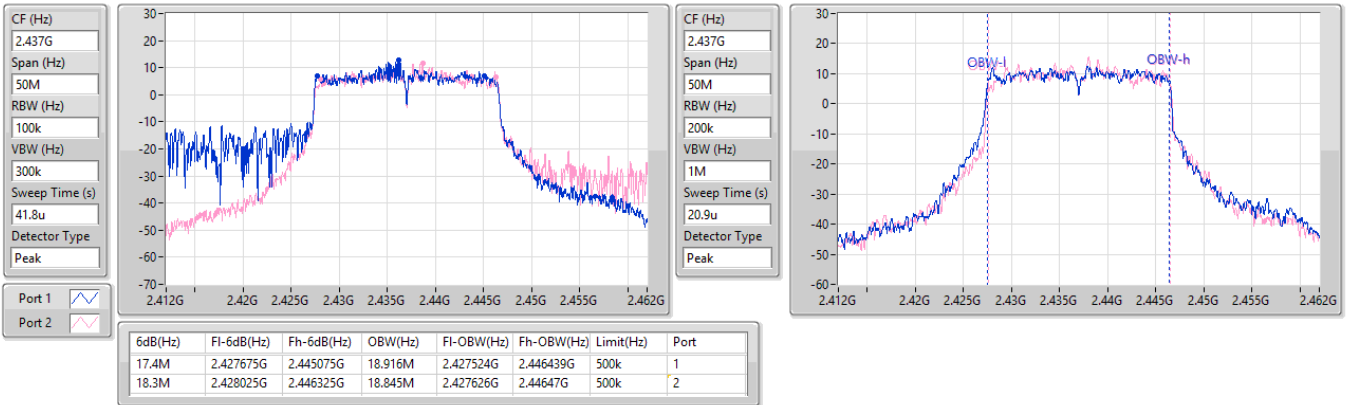


2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

2437MHz

12/03/2024

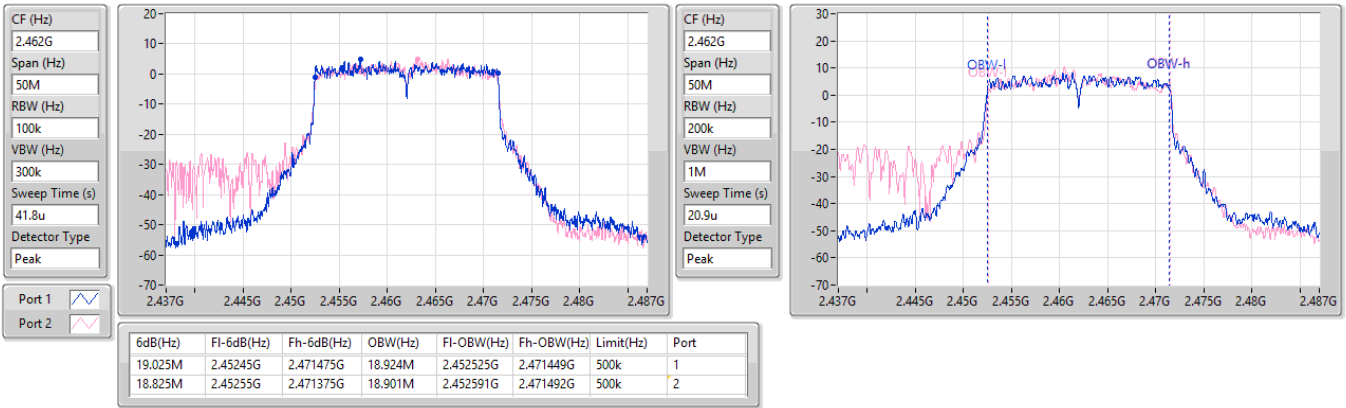


2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

2462MHz

12/03/2024

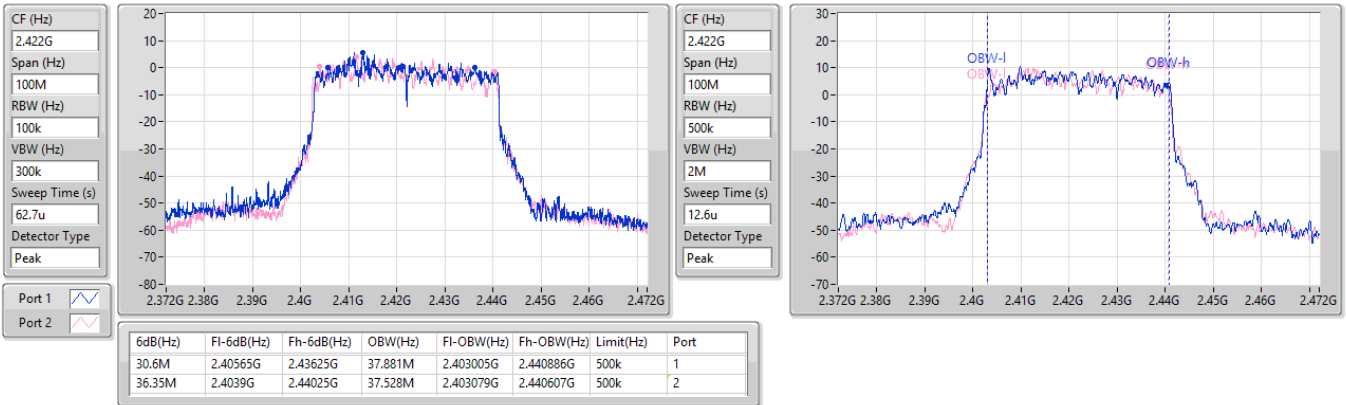


2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

2422MHz

12/03/2024

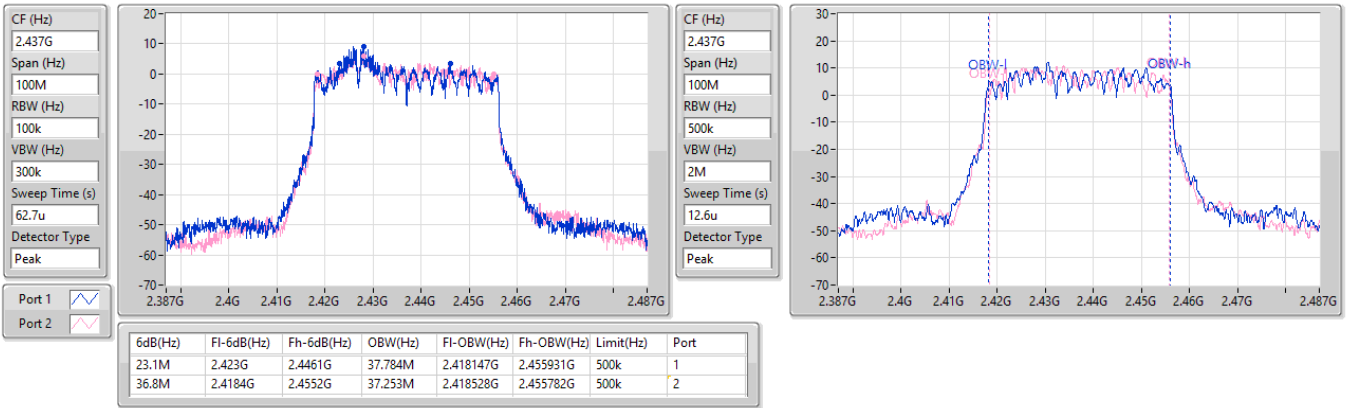


2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

2437MHz

12/03/2024

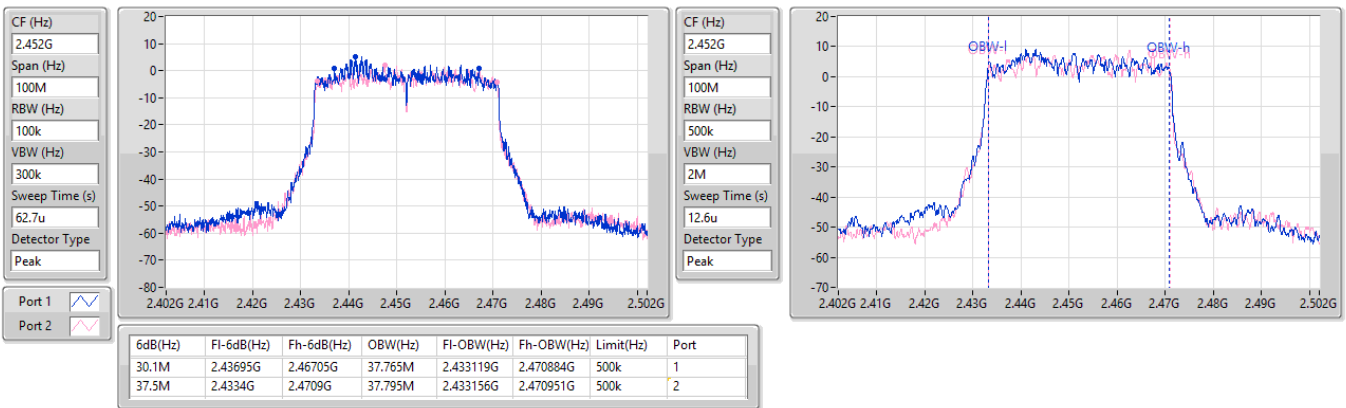


2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

2452MHz

12/03/2024





**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.91	0.49091
802.11g_Nss1,(6Mbps)_2TX	27.26	0.53211
802.11ax HEW20_Nss1,(MCS0)_2TX	27.26	0.53211
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	27.03	0.50466
802.11ax HEW40_Nss1,(MCS0)_2TX	22.27	0.16866
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.51	0.17824



**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.60	21.24	21.37	24.32	27.40
2417MHz	Pass	8.60	22.25	22.56	25.42	27.40
2437MHz	Pass	8.60	23.73	24.07	26.91	27.40
2457MHz	Pass	8.60	23.38	23.73	26.57	27.40
2462MHz	Pass	8.60	23.49	23.74	26.63	27.40
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.60	19.82	19.68	22.76	27.40
2417MHz	Pass	8.60	21.78	21.75	24.78	27.40
2437MHz	Pass	8.60	24.22	24.27	27.26	27.40
2457MHz	Pass	8.60	23.79	23.89	26.85	27.40
2462MHz	Pass	8.60	19.50	19.68	22.60	27.40
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.60	17.63	17.74	20.70	27.40
2417MHz	Pass	8.60	21.17	21.26	24.23	27.40
2437MHz	Pass	8.60	24.39	24.11	27.26	27.40
2457MHz	Pass	8.60	21.14	21.23	24.20	27.40
2462MHz	Pass	8.60	18.38	18.51	21.46	27.40
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.60	15.50	15.58	18.55	27.40
2437MHz	Pass	8.60	19.25	19.26	22.27	27.40
2452MHz	Pass	8.60	16.65	16.92	19.80	27.40
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.60	16.79	16.49	19.65	27.40
2417MHz	Pass	8.60	21.62	21.82	24.73	27.40
2437MHz	Pass	8.60	24.03	24.01	27.03	27.40
2457MHz	Pass	8.60	21.58	21.81	24.71	27.40
2462MHz	Pass	8.60	19.07	18.93	22.01	27.40
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.60	17.62	17.34	20.49	27.40
2437MHz	Pass	8.60	19.25	19.74	22.51	27.40
2452MHz	Pass	8.60	16.80	16.87	19.85	27.40

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





Summary

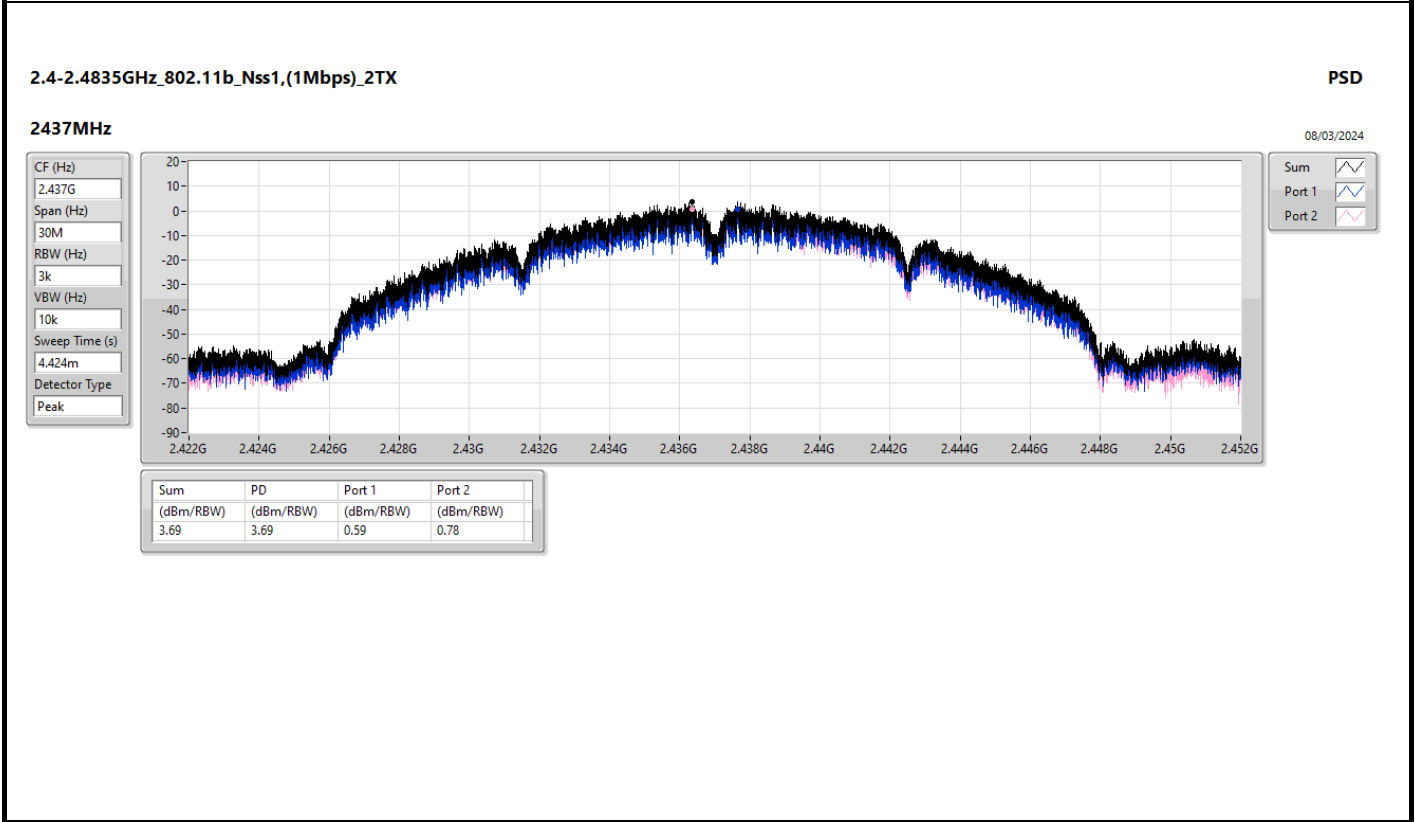
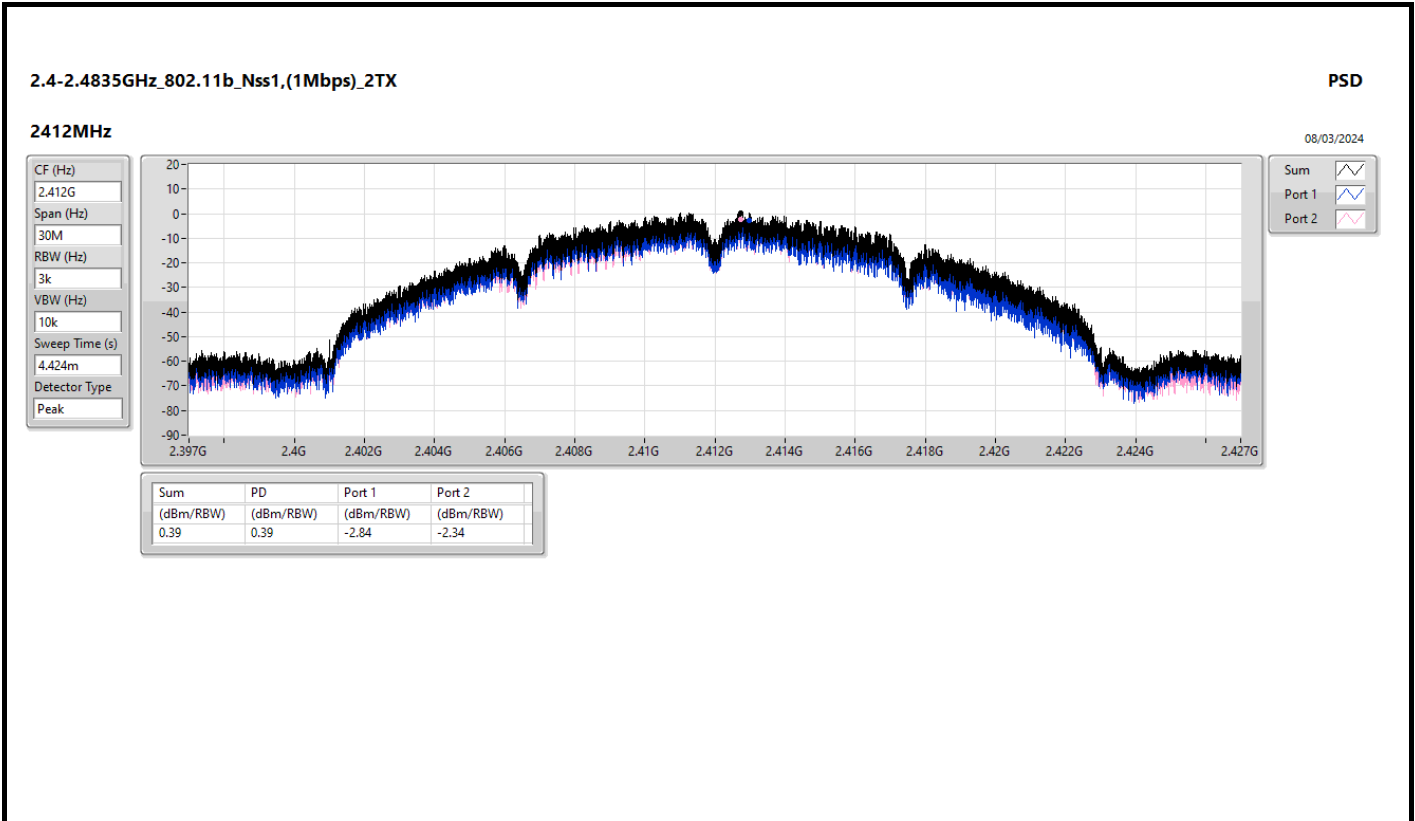
Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.69
802.11g_Nss1,(6Mbps)_2TX	-1.37
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.76
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	1.03
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.47
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-5.83

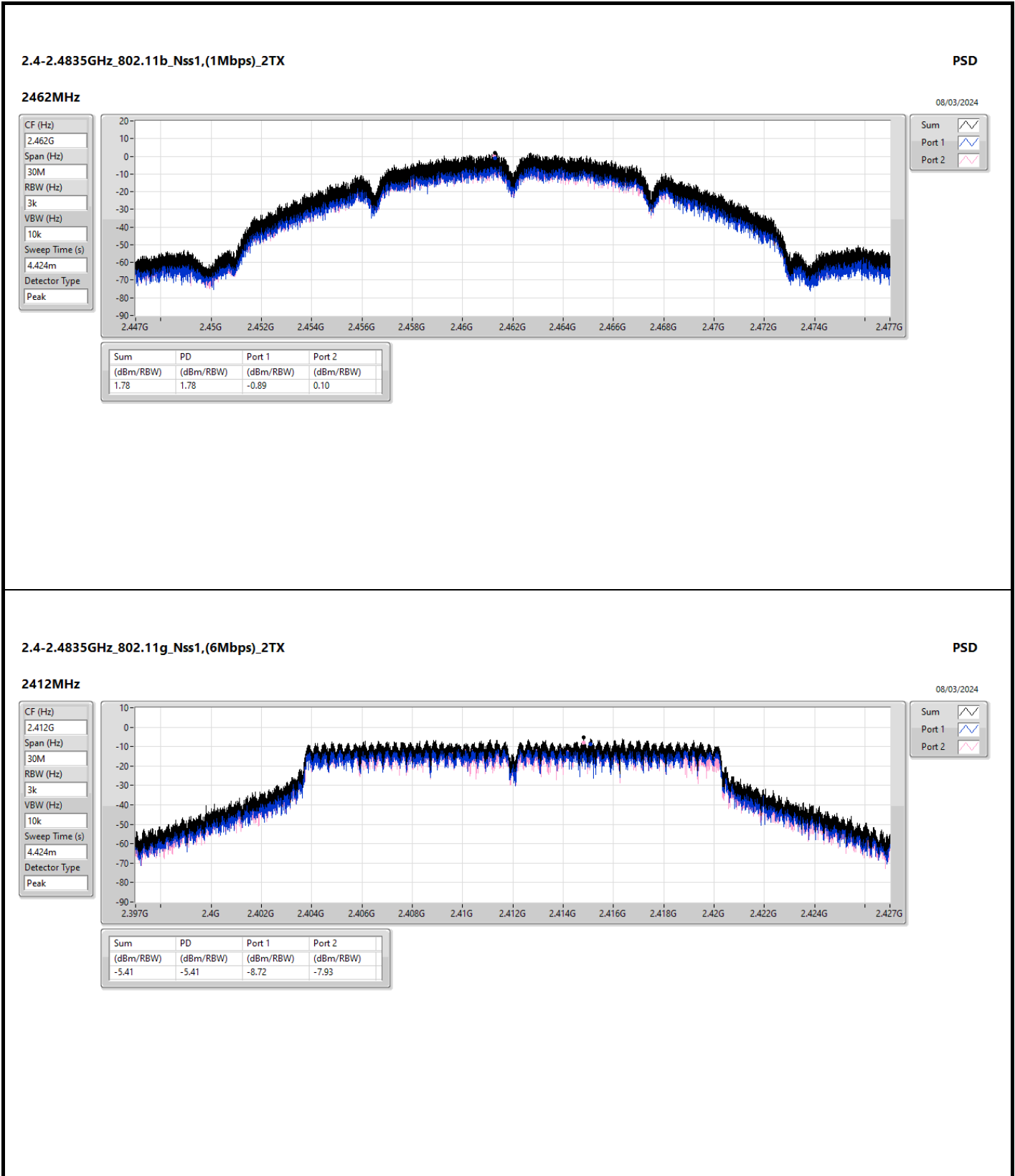
RBW = 3kHz;

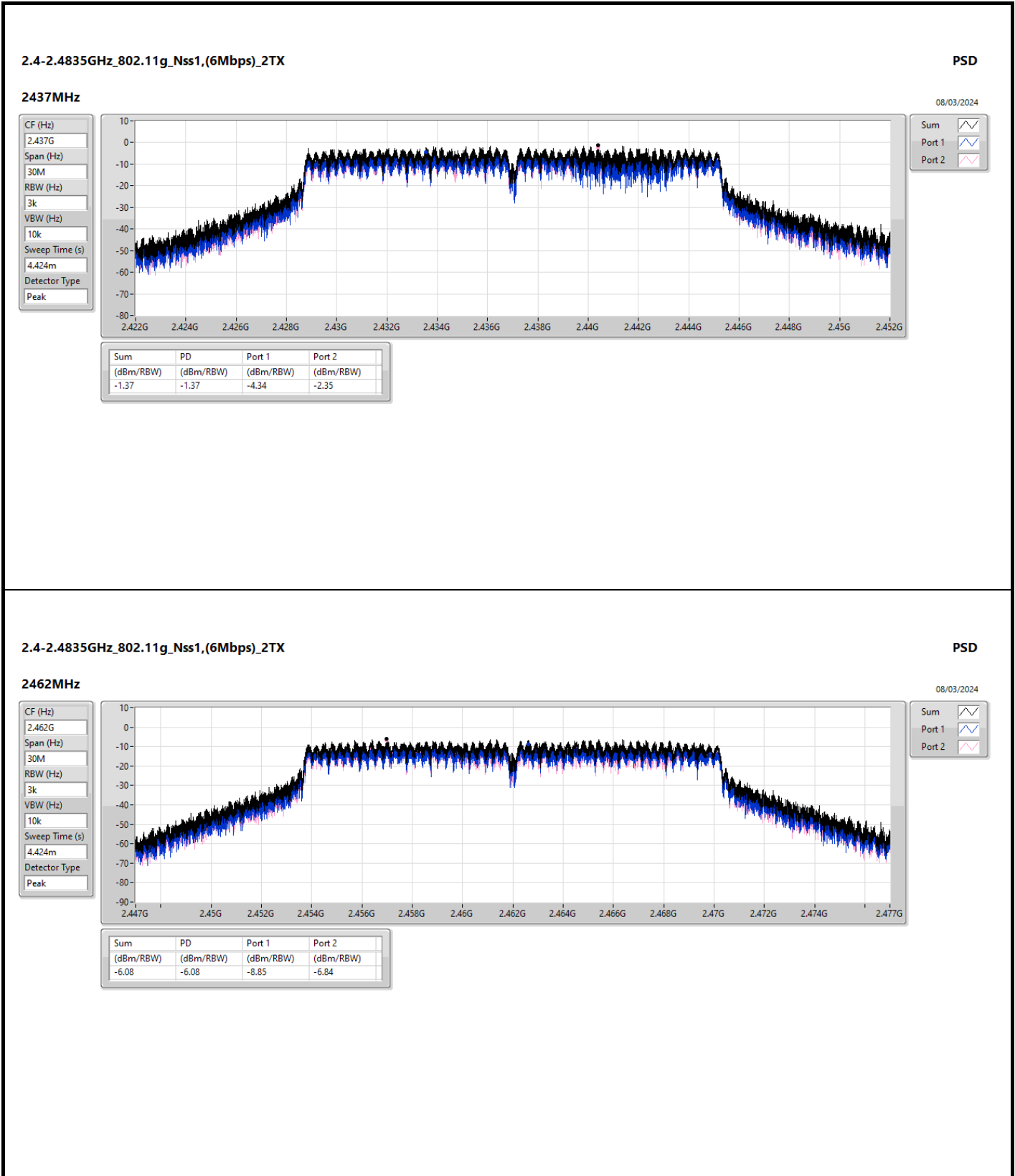
Result

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	8.60	-2.84	-2.34	0.39	5.40
2437MHz	Pass	8.60	0.59	0.78	3.69	5.40
2462MHz	Pass	8.60	-0.89	0.10	1.78	5.40
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.60	-8.72	-7.93	-5.41	5.40
2437MHz	Pass	8.60	-4.34	-2.35	-1.37	5.40
2462MHz	Pass	8.60	-8.85	-6.84	-6.08	5.40
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.60	-8.30	-9.26	-7.54	5.40
2437MHz	Pass	8.60	-3.31	-3.65	-1.76	5.40
2462MHz	Pass	8.60	-8.59	-7.72	-6.86	5.40
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.60	-12.86	-13.50	-11.42	5.40
2437MHz	Pass	8.60	-9.82	-9.99	-8.47	5.40
2452MHz	Pass	8.60	-13.23	-12.29	-10.93	5.40
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.60	-9.37	-10.54	-8.65	5.40
2437MHz	Pass	8.60	0.03	-2.72	1.03	5.40
2462MHz	Pass	8.60	-7.94	-7.86	-6.06	5.40
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.60	-11.22	-11.69	-8.93	5.40
2437MHz	Pass	8.60	-8.39	-7.53	-5.83	5.40
2452MHz	Pass	8.60	-12.07	-11.62	-9.94	5.40

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\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

08/03/2024

CF (Hz)  
2.412G

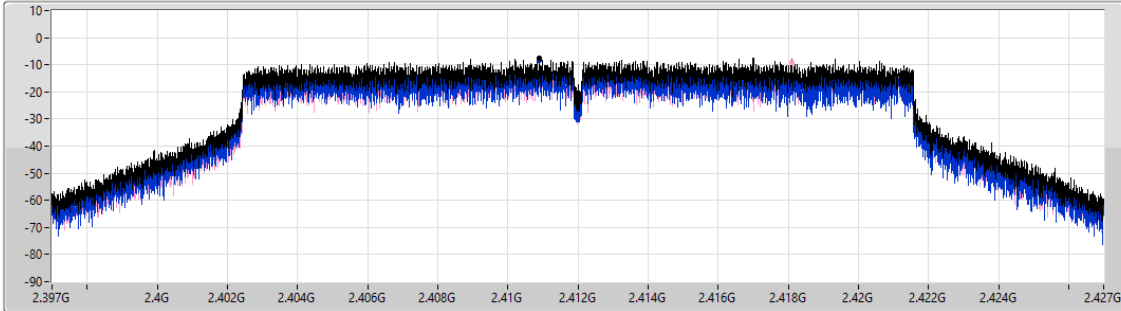
Span (Hz)  
30M


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)
-7.54	-7.54	-8.30	-9.26

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

30/01/2024

CF (Hz)  
2.437G

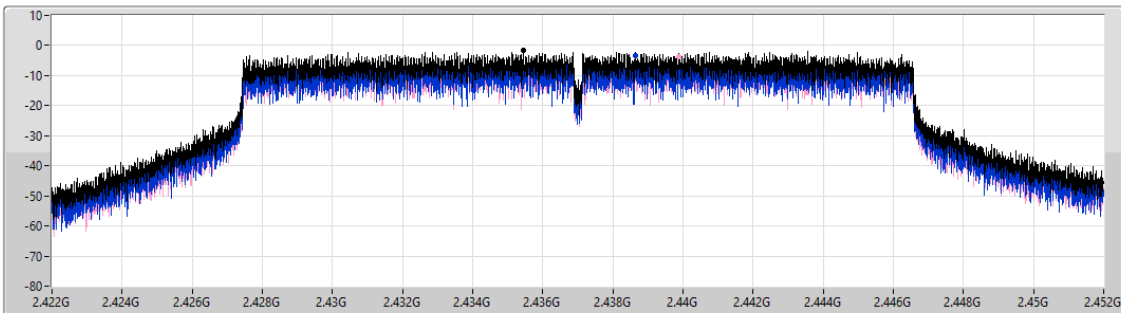
Span (Hz)  
30M


RBW (Hz)  
3k


VBW (Hz)  
10k


Sweep Time (s)  
1.4m

Detector Type  
Peak

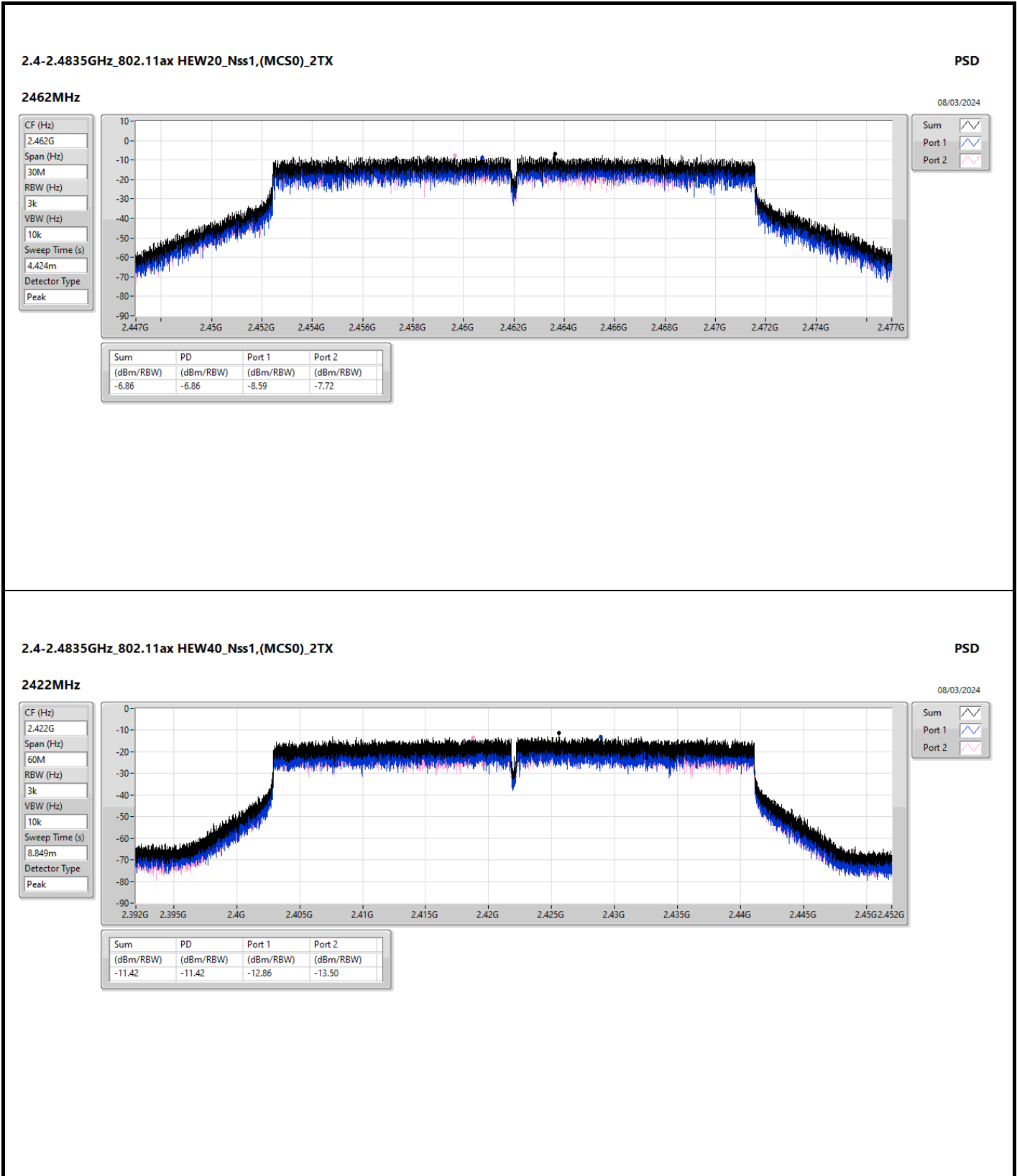


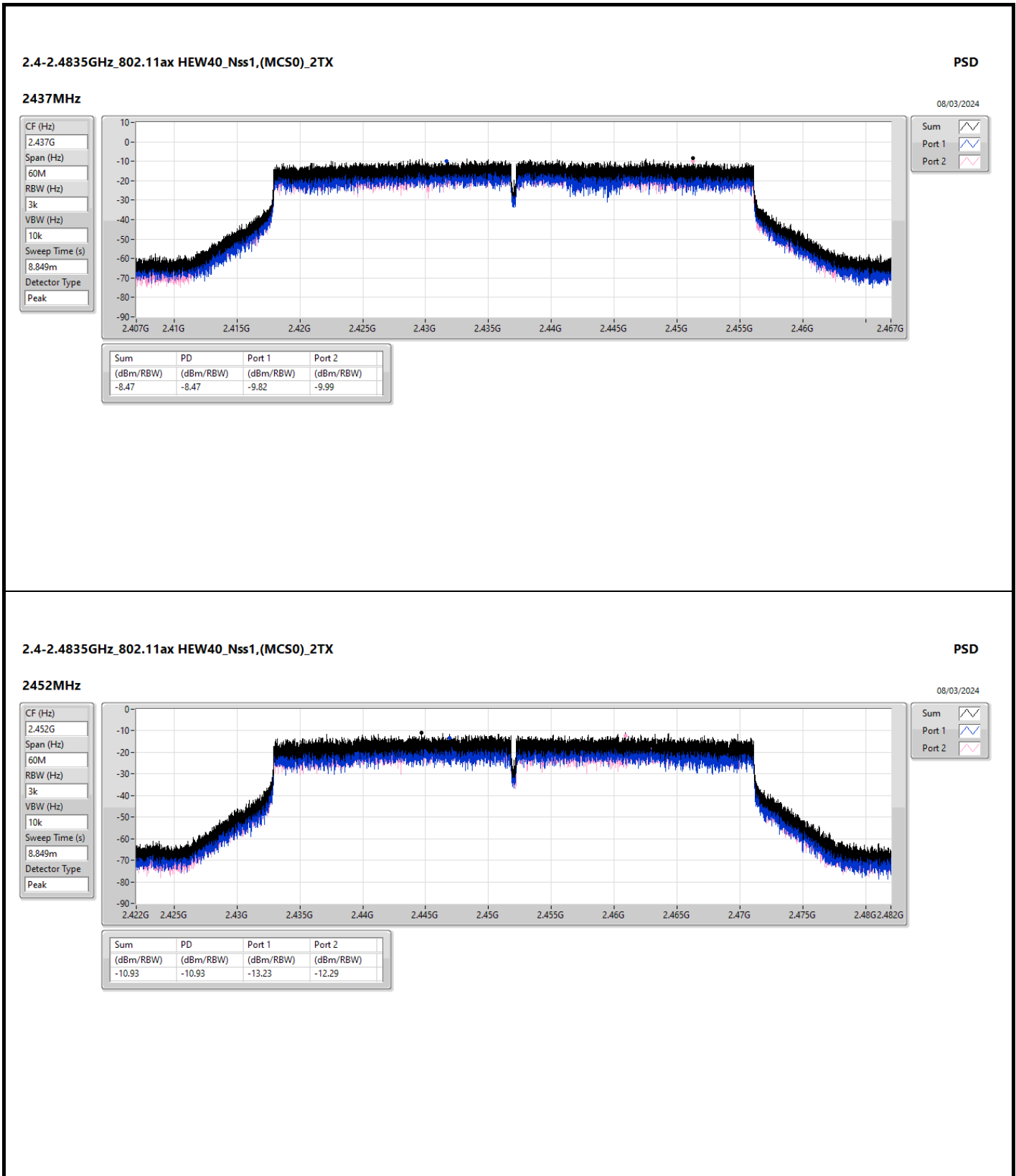
Sum 

Port 1 

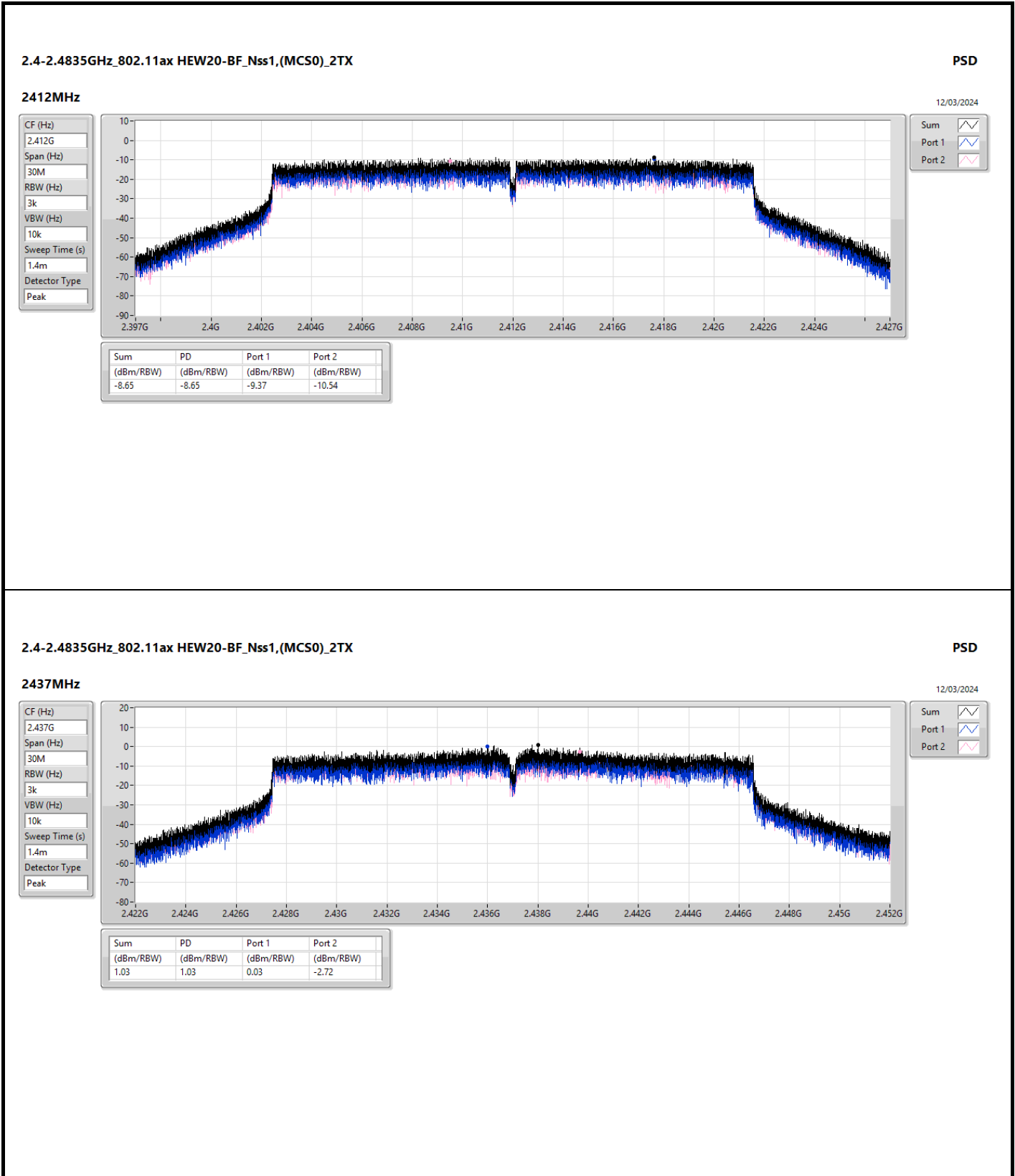
Port 2 

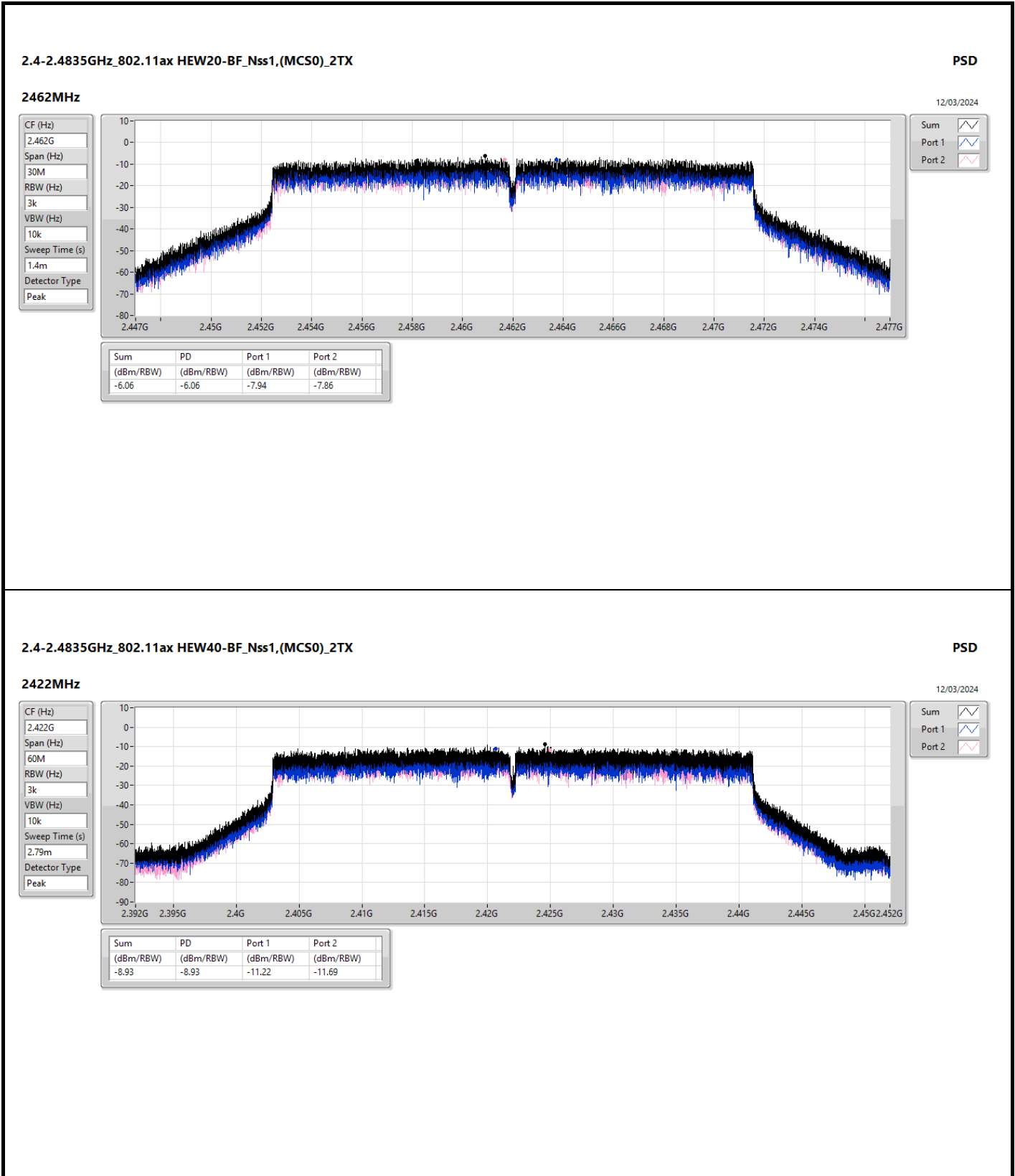
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.76	-1.76	-3.31	-3.65

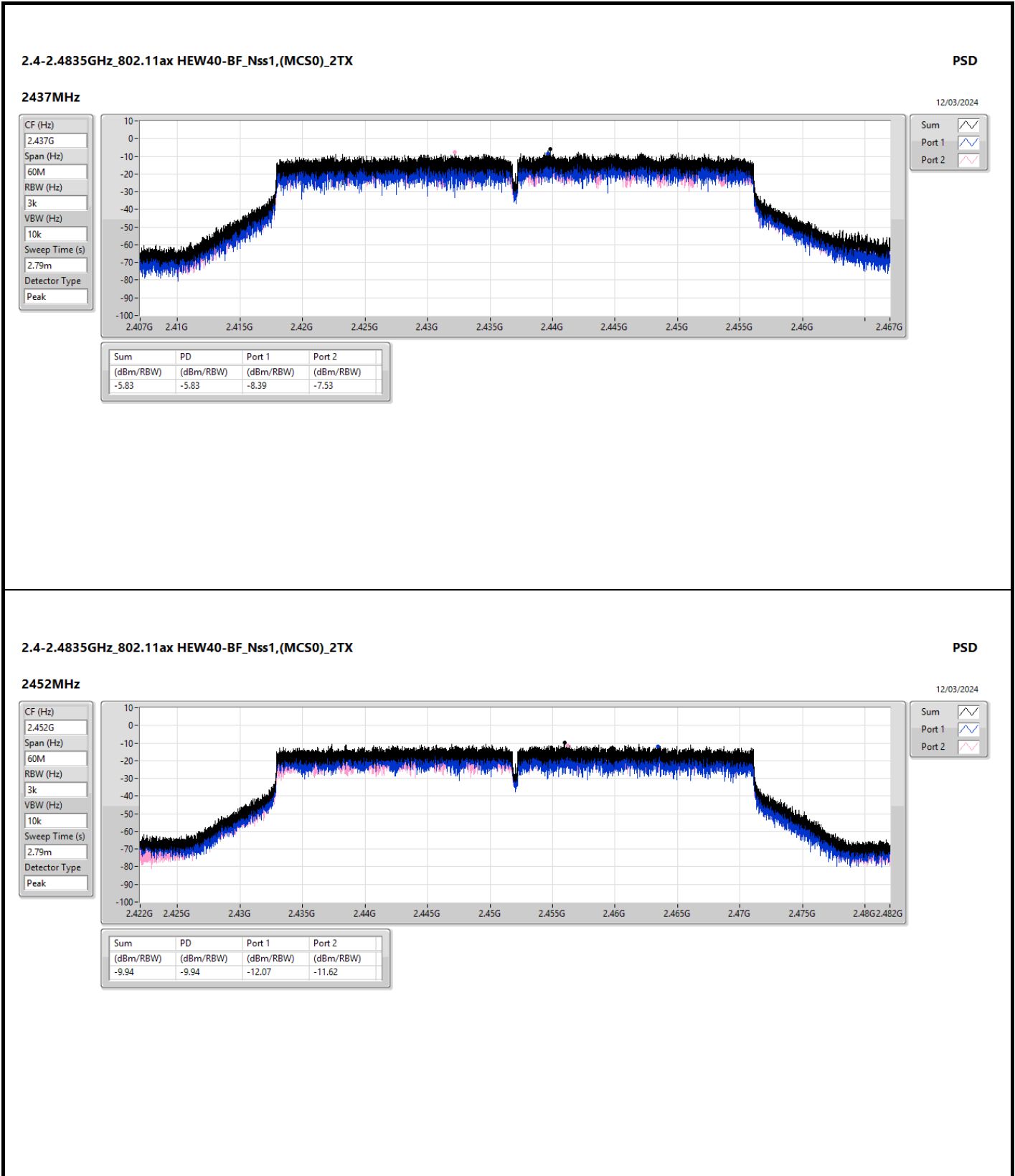












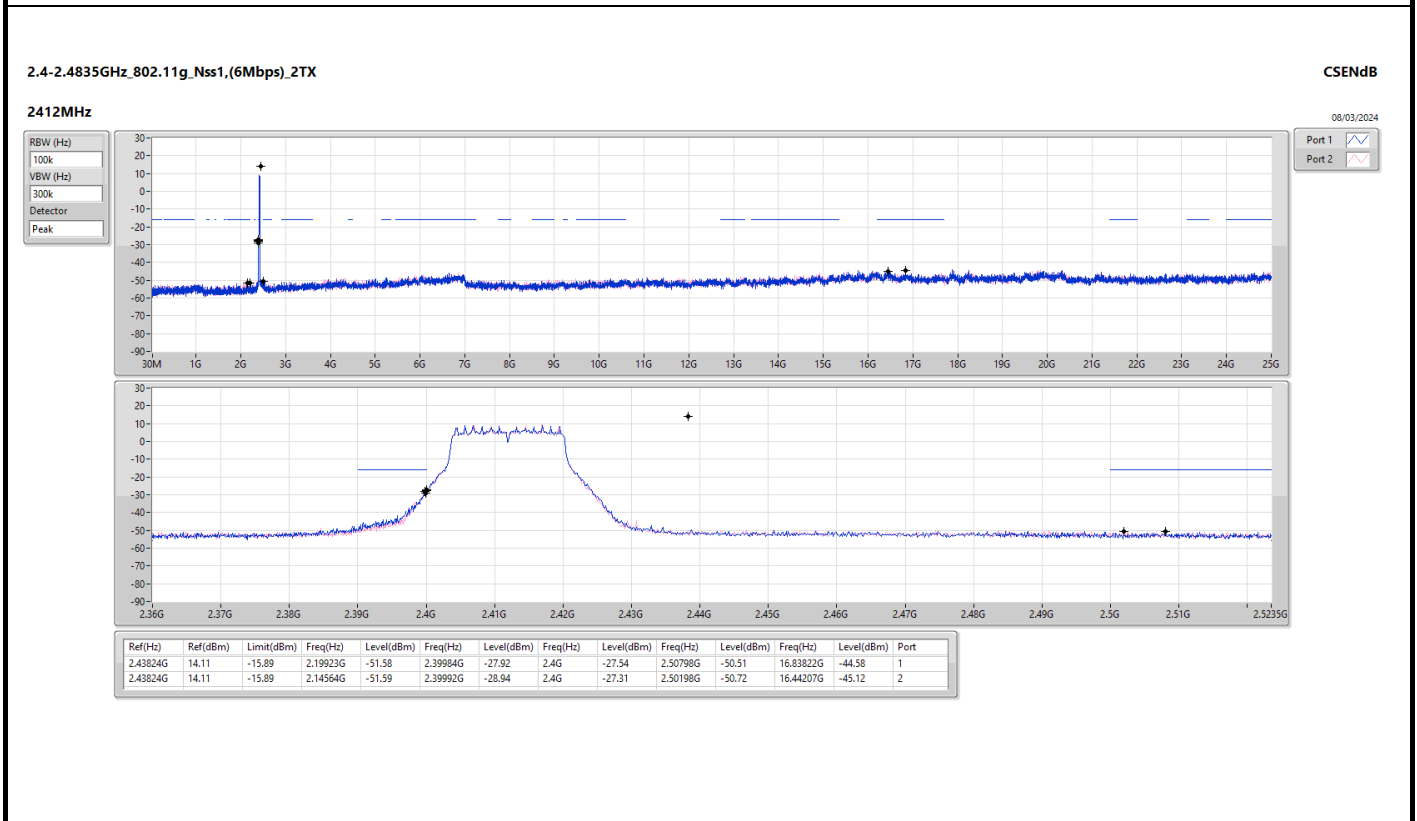
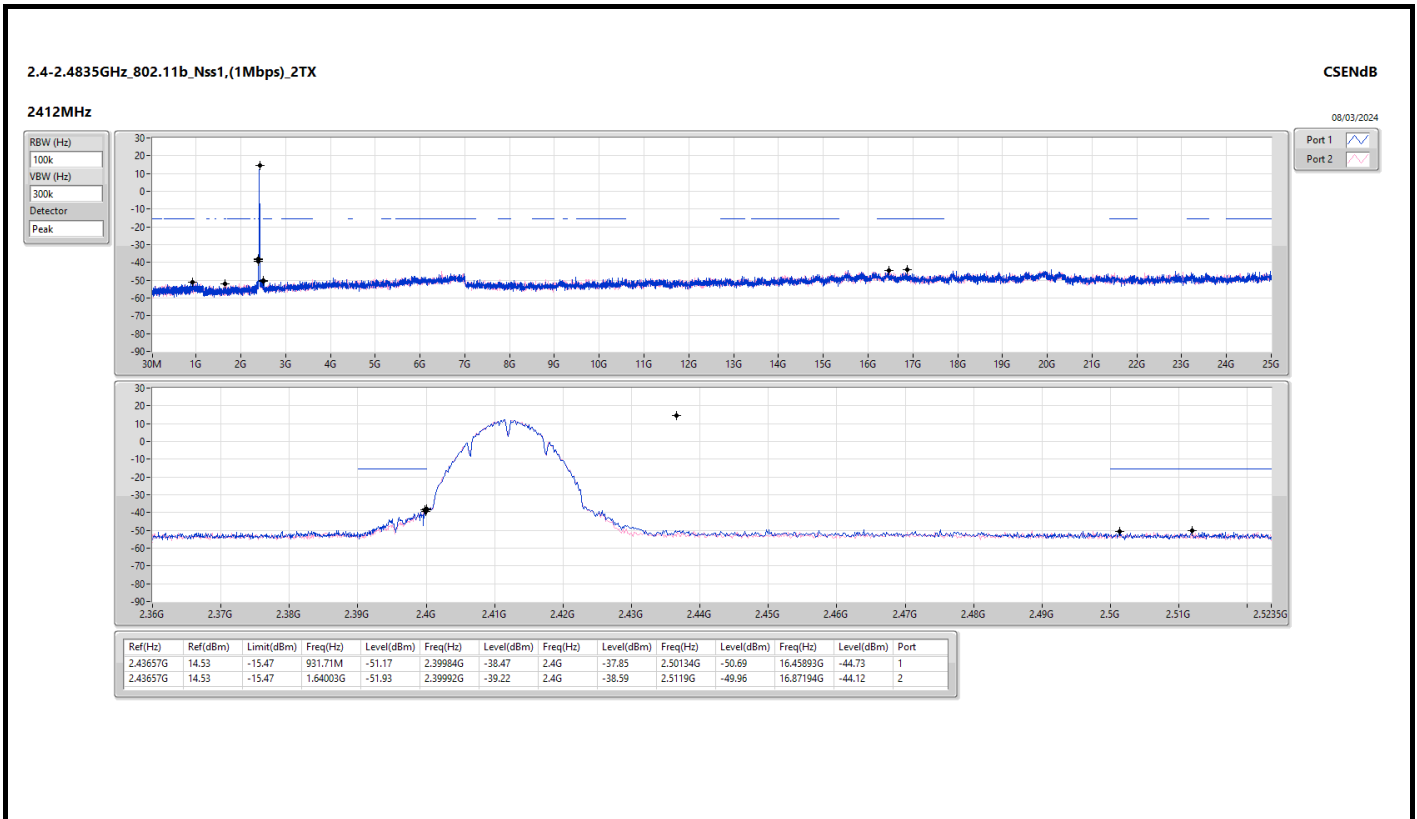


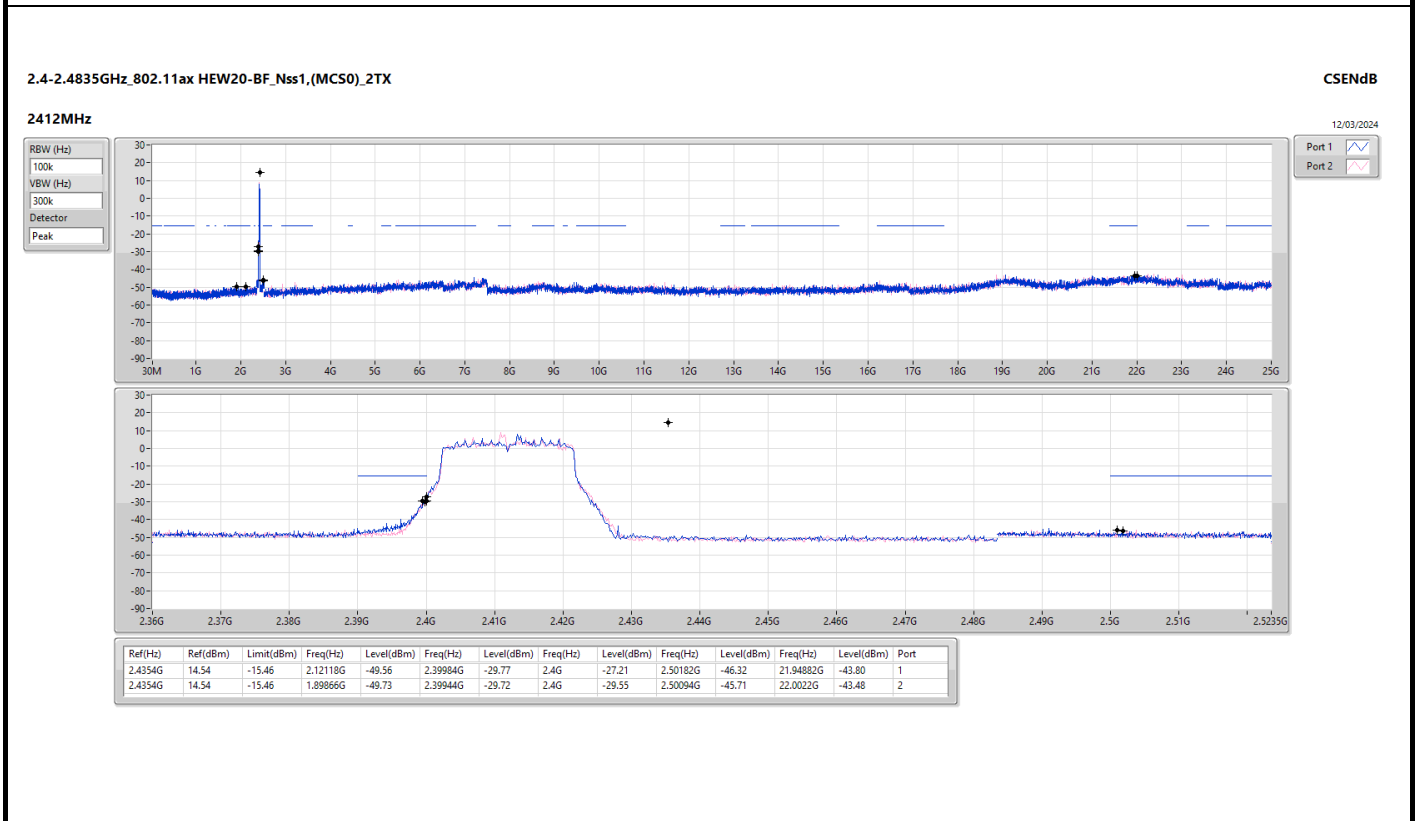
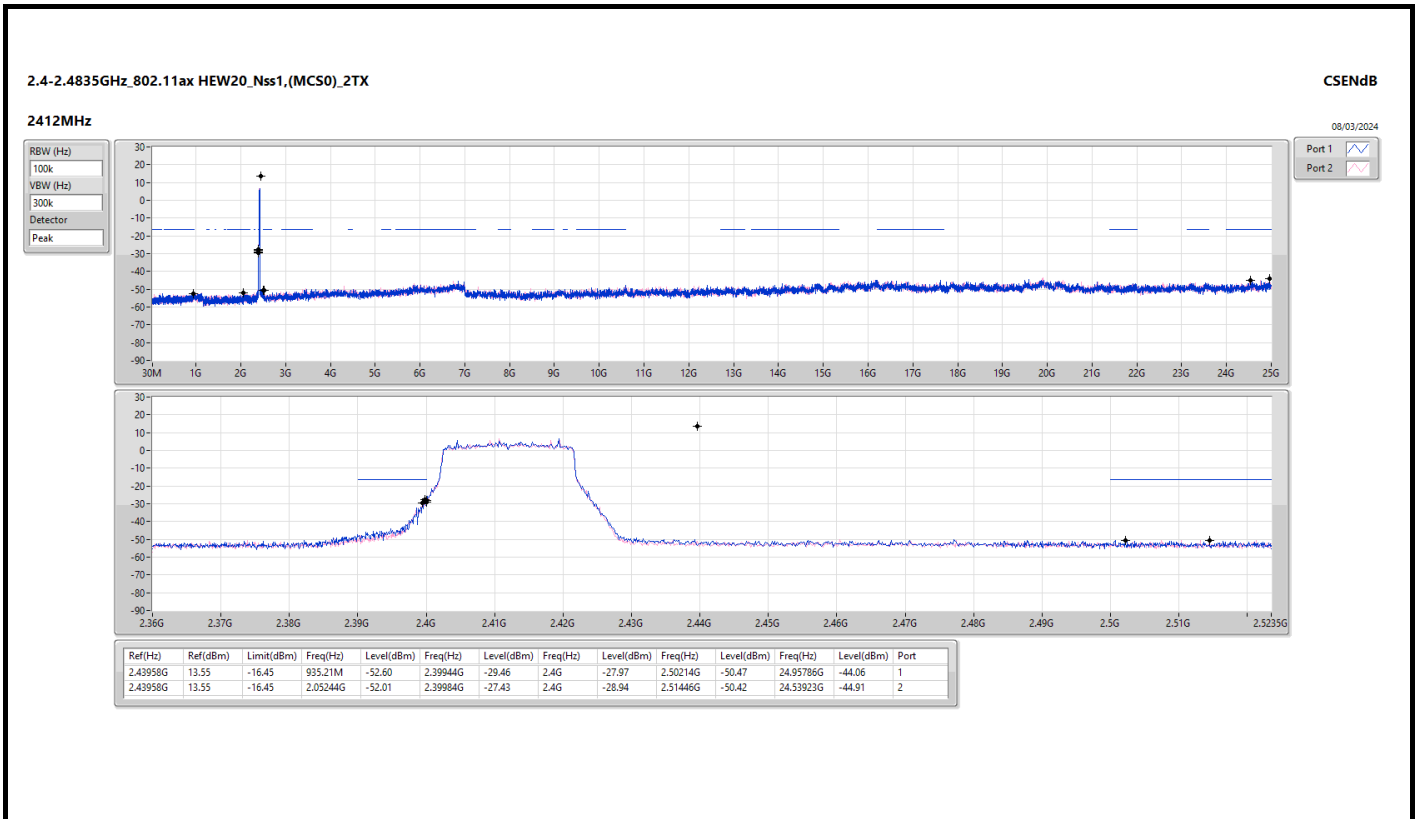
Summary

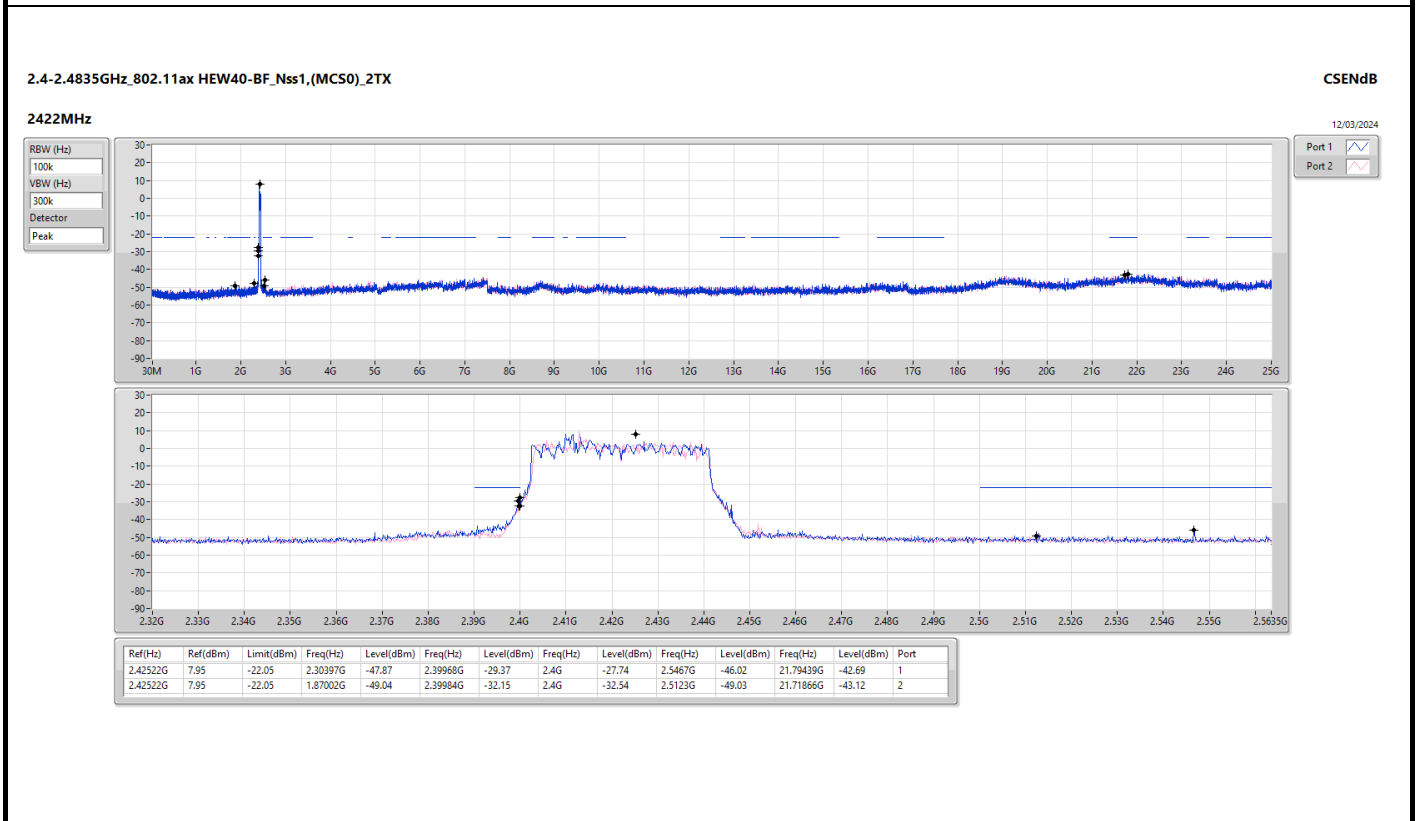
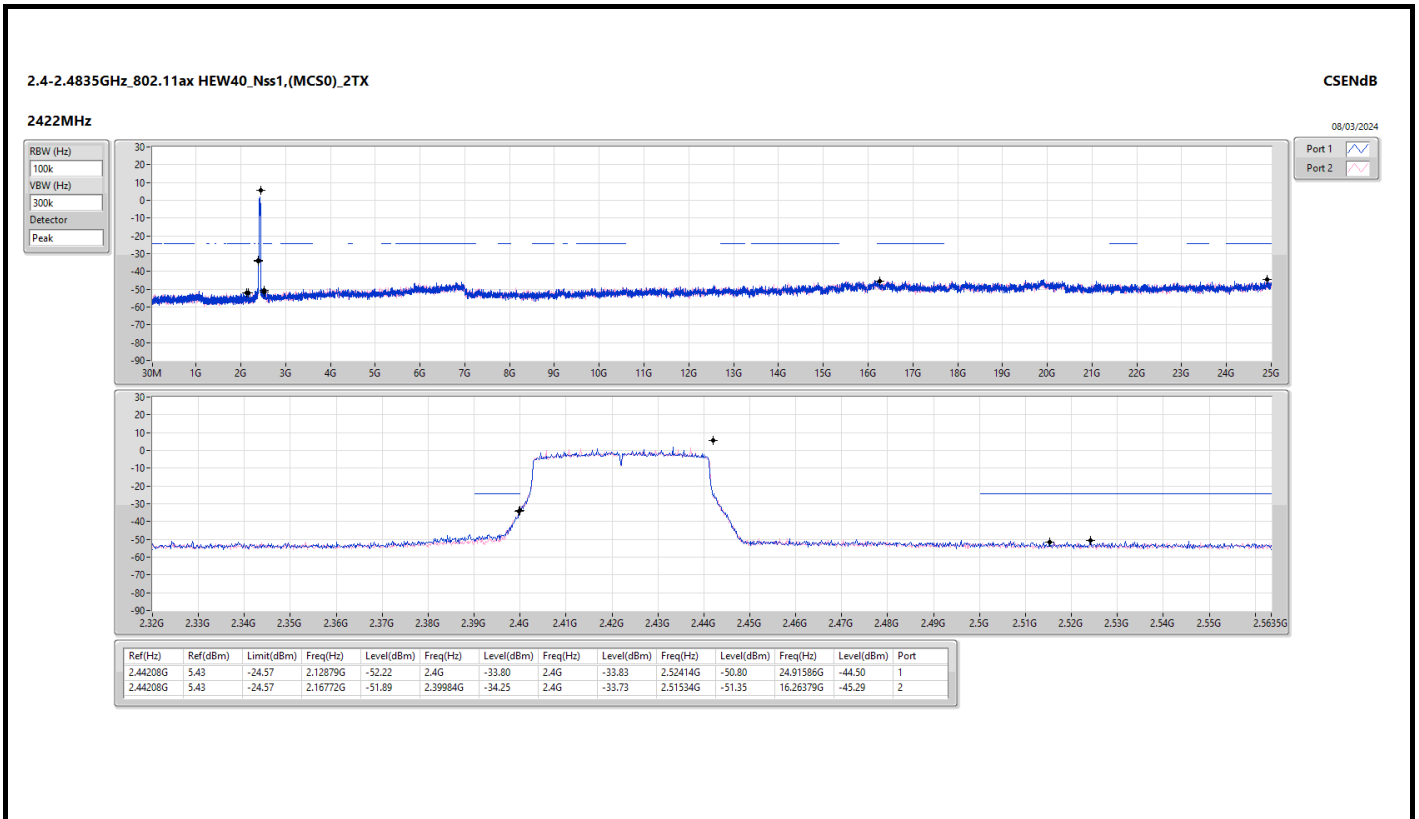
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43657G	14.53	-15.47	931.71M	-51.17	2.39984G	-38.47	2.4G	-37.85	2.50134G	-50.69	16.45893G	-44.73	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	14.11	-15.89	2.14564G	-51.59	2.39992G	-28.94	2.4G	-27.31	2.50198G	-50.72	16.44207G	-45.12	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43958G	13.55	-16.45	2.05244G	-52.01	2.39984G	-27.43	2.4G	-28.94	2.51446G	-50.42	24.53923G	-44.91	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.4354G	14.54	-15.46	2.12118G	-49.56	2.39984G	-29.77	2.4G	-27.21	2.50182G	-46.32	21.94882G	-43.80	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44208G	5.43	-24.57	2.16772G	-51.89	2.39984G	-34.25	2.4G	-33.73	2.51534G	-51.35	16.26379G	-45.29	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42522G	7.95	-22.05	2.30397G	-47.87	2.39968G	-29.37	2.4G	-27.74	2.5467G	-46.02	21.79439G	-42.69	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43657G	14.53	-15.47	931.71M	-51.17	2.39984G	-38.47	2.4G	-37.85	2.50134G	-50.69	16.45893G	-44.73	1
2412MHz	Pass	2.43657G	14.53	-15.47	1.64003G	-51.93	2.39992G	-39.22	2.4G	-38.59	2.5119G	-49.96	16.87194G	-44.12	2
2437MHz	Pass	2.43657G	14.53	-15.47	946.86M	-51.99	2.39504G	-50.61	2.4G	-52.98	2.5039G	-50.69	24.92133G	-44.86	1
2437MHz	Pass	2.43657G	14.53	-15.47	925.89M	-51.70	2.3936G	-50.63	2.4G	-52.06	2.52046G	-50.92	16.81574G	-45.16	2
2462MHz	Pass	2.43657G	14.53	-15.47	2.01283G	-51.77	2.3924G	-49.90	2.4G	-51.79	2.50102G	-51.11	24.93257G	-44.05	1
2462MHz	Pass	2.43657G	14.53	-15.47	840.84M	-51.54	2.39296G	-51.02	2.4G	-52.97	2.51502G	-49.45	24.99719G	-45.09	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	14.11	-15.89	2.19923G	-51.58	2.39984G	-27.92	2.4G	-27.54	2.50798G	-50.51	16.83822G	-44.58	1
2412MHz	Pass	2.43824G	14.11	-15.89	2.14564G	-51.59	2.39992G	-28.94	2.4G	-27.31	2.50198G	-50.72	16.44207G	-45.12	2
2437MHz	Pass	2.43824G	14.11	-15.89	527.46M	-52.26	2.39744G	-48.94	2.4G	-49.38	2.5075G	-50.06	16.20045G	-44.94	1
2437MHz	Pass	2.43824G	14.11	-15.89	865.31M	-51.93	2.39032G	-49.05	2.4G	-49.70	2.5163G	-48.18	16.23136G	-45.17	2
2462MHz	Pass	2.43824G	14.11	-15.89	900.26M	-52.18	2.39144G	-51.03	2.4G	-53.00	2.50734G	-50.83	24.91571G	-45.13	1
2462MHz	Pass	2.43824G	14.11	-15.89	2.17943G	-52.11	2.39664G	-51.11	2.4G	-53.79	2.51446G	-49.94	16.79046G	-44.82	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43958G	13.55	-16.45	935.21M	-52.60	2.39944G	-29.46	2.4G	-27.97	2.50214G	-50.47	24.95786G	-44.06	1
2412MHz	Pass	2.43958G	13.55	-16.45	2.05244G	-52.01	2.39984G	-27.43	2.4G	-28.94	2.51446G	-50.42	24.53923G	-44.91	2
2437MHz	Pass	2.43958G	13.55	-16.45	343.39M	-51.92	2.4G	-47.53	2.4G	-49.76	2.50142G	-49.62	16.21731G	-44.83	1
2437MHz	Pass	2.43958G	13.55	-16.45	296.79M	-51.66	2.39808G	-47.91	2.4G	-50.44	2.50254G	-49.16	16.91689G	-45.12	2
2462MHz	Pass	2.43958G	13.55	-16.45	670.75M	-51.55	2.39896G	-51.36	2.4G	-53.36	2.51046G	-50.50	16.20607G	-44.62	1
2462MHz	Pass	2.43958G	13.55	-16.45	641.63M	-52.36	2.39664G	-51.54	2.4G	-52.65	2.52278G	-51.30	24.50552G	-45.23	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44208G	5.43	-24.57	2.12879G	-52.22	2.4G	-33.80	2.4G	-33.83	2.52414G	-50.80	24.91586G	-44.50	1
2422MHz	Pass	2.44208G	5.43	-24.57	2.16772G	-51.89	2.39984G	-34.25	2.4G	-33.73	2.51534G	-51.35	16.26379G	-45.29	2
2437MHz	Pass	2.44208G	5.43	-24.57	785.7M	-51.93	2.39856G	-45.12	2.4G	-46.66	2.52222G	-50.80	16.38719G	-44.56	1
2437MHz	Pass	2.44208G	5.43	-24.57	905.93M	-51.83	2.39968G	-48.58	2.4G	-48.46	2.50718G	-51.20	24.90184G	-45.02	2
2452MHz	Pass	2.44208G	5.43	-24.57	1.72689G	-52.56	2.39808G	-51.60	2.4G	-52.37	2.52254G	-51.62	16.42926G	-44.88	1
2452MHz	Pass	2.44208G	5.43	-24.57	1.98452G	-51.86	2.3984G	-51.66	2.4G	-52.80	2.50478G	-51.37	16.2077G	-45.02	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4354G	14.54	-15.46	2.12118G	-49.56	2.39984G	-29.77	2.4G	-27.21	2.50182G	-46.32	21.94882G	-43.80	1
2412MHz	Pass	2.4354G	14.54	-15.46	1.89866G	-49.73	2.39944G	-29.72	2.4G	-29.55	2.50094G	-45.71	22.0022G	-43.48	2
2437MHz	Pass	2.4354G	14.54	-15.46	2.30874G	-49.44	2.39864G	-45.55	2.4G	-48.32	2.5147G	-46.11	21.65662G	-43.08	1
2437MHz	Pass	2.4354G	14.54	-15.46	2.10953G	-48.66	2.39928G	-45.46	2.4G	-49.65	2.52046G	-45.13	21.45433G	-42.78	2
2462MHz	Pass	2.4354G	14.54	-15.46	1.74139G	-49.31	2.39032G	-46.47	2.4G	-50.55	2.5135G	-46.45	21.99096G	-43.16	1
2462MHz	Pass	2.4354G	14.54	-15.46	2.14098G	-50.09	2.39992G	-46.70	2.4G	-51.95	2.50886G	-45.69	21.98534G	-42.89	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42522G	7.95	-22.05	2.30397G	-47.87	2.39968G	-29.37	2.4G	-27.74	2.5467G	-46.02	21.79439G	-42.69	1
2422MHz	Pass	2.42522G	7.95	-22.05	1.87002G	-49.04	2.39984G	-32.15	2.4G	-32.54	2.5123G	-49.03	21.71866G	-43.12	2
2437MHz	Pass	2.42522G	7.95	-22.05	1.80704G	-49.29	2.39632G	-43.30	2.4G	-47.22	2.50398G	-48.88	21.62892G	-43.27	1
2437MHz	Pass	2.42522G	7.95	-22.05	2.19405G	-48.70	2.4G	-47.38	2.4G	-48.97	2.54046G	-49.66	21.87291G	-43.14	2
2452MHz	Pass	2.42522G	7.95	-22.05	2.13108G	-48.69	2.39904G	-49.65	2.4G	-50.34	2.54638G	-47.69	21.62331G	-43.44	1
2452MHz	Pass	2.42522G	7.95	-22.05	2.15741G	-49.44	2.396G	-50.42	2.4G	-52.13	2.50542G	-47.68	21.76914G	-43.64	2







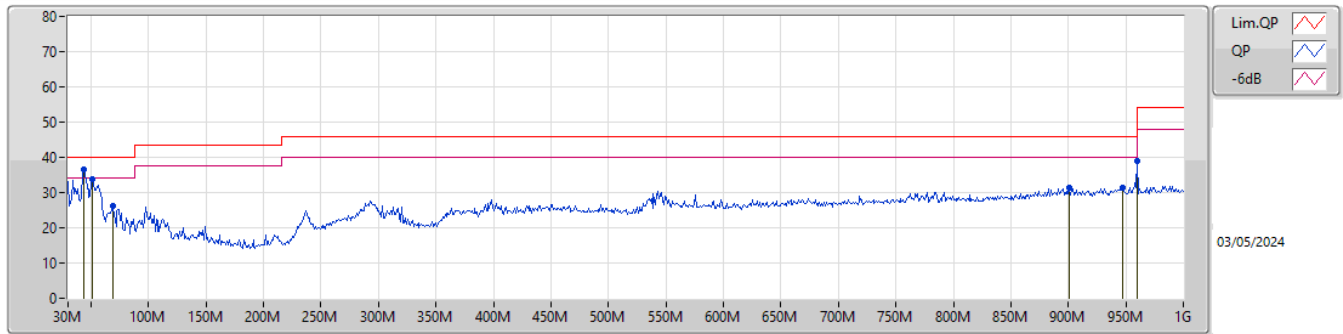




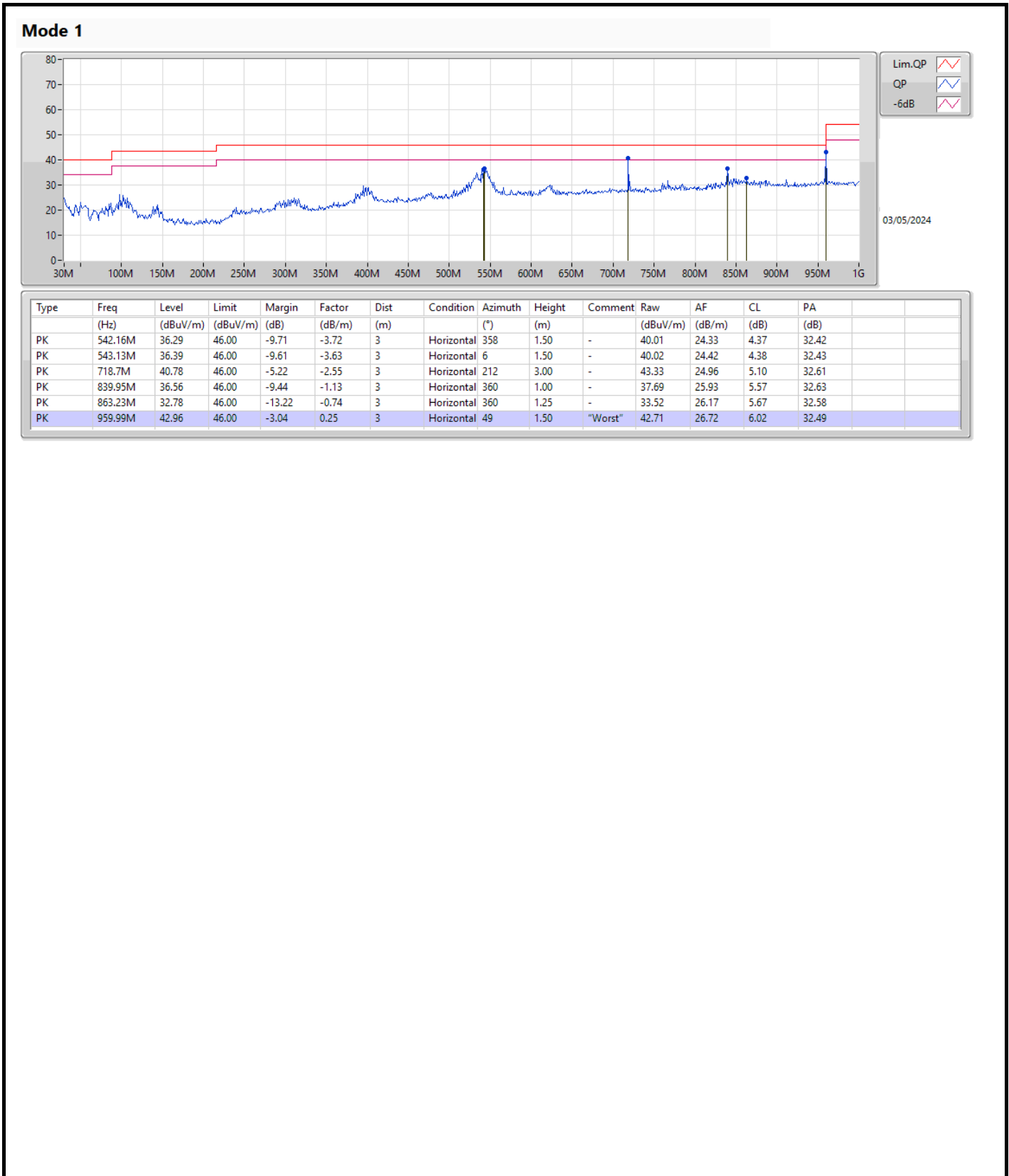
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	959.99M	42.96	46.00	-3.04	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	43.58M	36.69	40.00	-3.31	-13.49	3	Vertical	360	1.00	"Worst"	50.18	17.10	1.21	31.80
PK	51.34M	33.82	40.00	-6.18	-16.71	3	Vertical	284	1.00	-	50.53	13.88	1.29	31.88
PK	68.8M	26.18	40.00	-13.82	-17.84	3	Vertical	171	2.00	-	44.02	12.58	1.48	31.90
PK	901.06M	31.27	46.00	-14.73	-0.22	3	Vertical	360	1.00	-	31.49	26.39	5.84	32.45
PK	947.62M	31.26	46.00	-14.74	0.04	3	Vertical	172	3.00	-	31.22	26.62	5.97	32.55
PK	960M	38.96	46.00	-7.04	0.25	3	Vertical	300	1.25	-	38.71	26.72	6.02	32.49



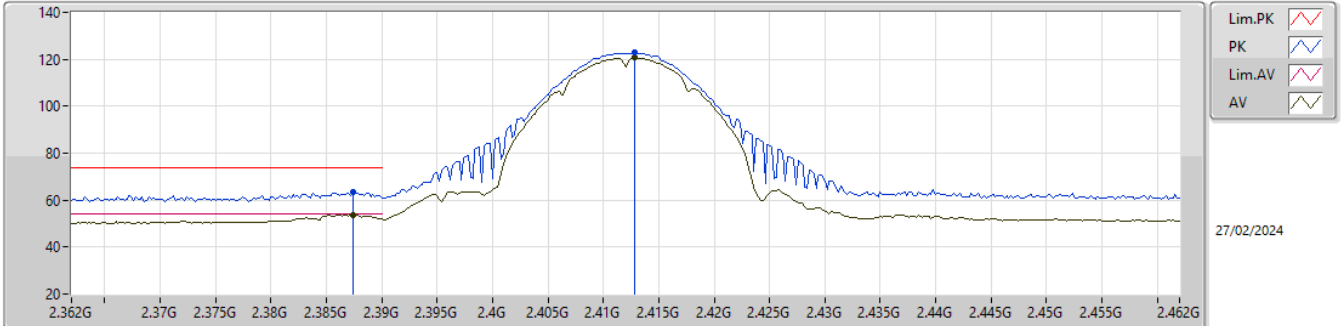


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.3894G	53.97	54.00	-0.03	3	Vertical	0	1.80	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2412MHz\_TX

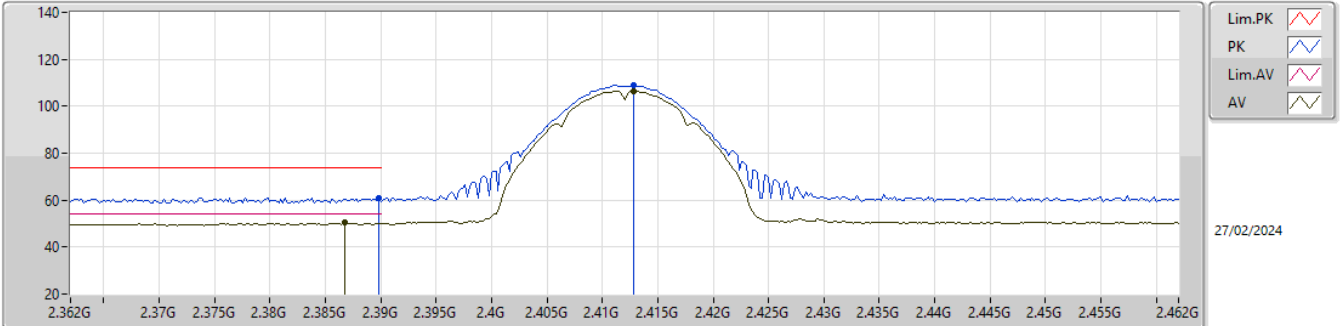


EUT\_Y\_2TX  
 Setting 21.5  
 03-P-5-4

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	63.70	74.00	-10.30	30.73	3	Vertical	0	1.80	-	28.27	4.70	-
AV	2.3874G	53.87	54.00	-0.13	20.90	3	Vertical	0	1.80	-	28.27	4.70	-
PK	2.4128G	122.92	Inf	-Inf	89.90	3	Vertical	0	1.80	-	28.30	4.72	-
AV	2.4128G	120.62	Inf	-Inf	87.60	3	Vertical	0	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2412MHz\_TX

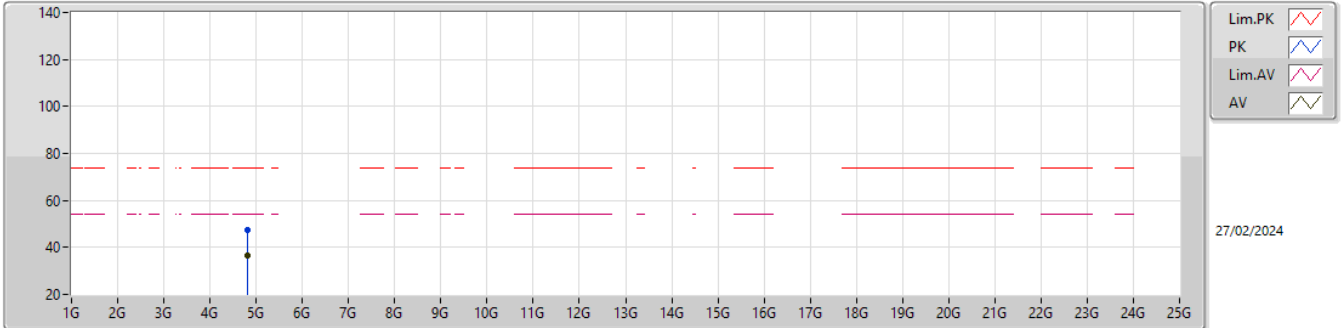


EUT\_Y\_2TX  
 Setting 21.5  
 03-P-5-4

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	61.00	74.00	-13.00	27.99	3	Horizontal	301	1.80	-	28.30	4.71	-
AV	2.3868G	50.43	54.00	-3.57	17.46	3	Horizontal	301	1.80	-	28.27	4.70	-
PK	2.4128G	108.84	Inf	-Inf	75.82	3	Horizontal	301	1.80	-	28.30	4.72	-
AV	2.4128G	106.54	Inf	-Inf	73.52	3	Horizontal	301	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2412MHz\_TX

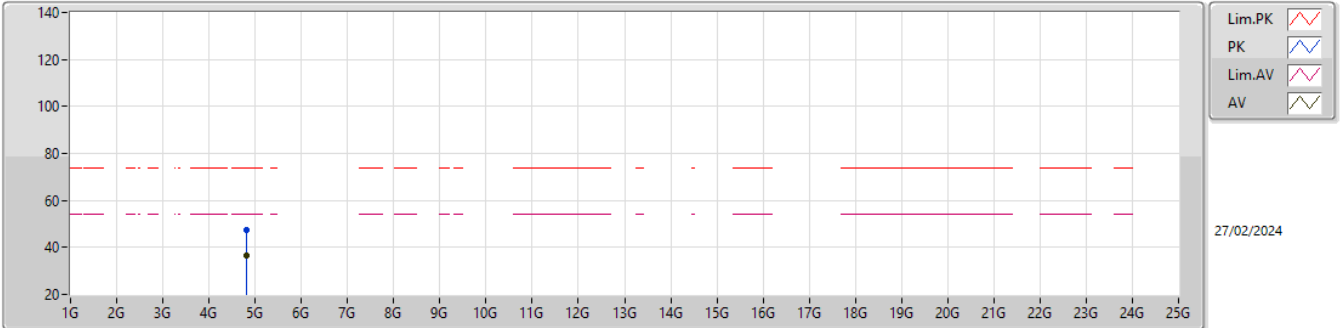


EUT\_Y\_2TX  
Setting 21.5  
03-P-5-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.82438G	47.26	74.00	-26.74	41.95	3	Vertical	185	1.28	-	33.25	6.75	34.69			
AV	4.82443G	36.53	54.00	-17.47	31.22	3	Vertical	185	1.28	-	33.25	6.75	34.69			

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2412MHz\_TX



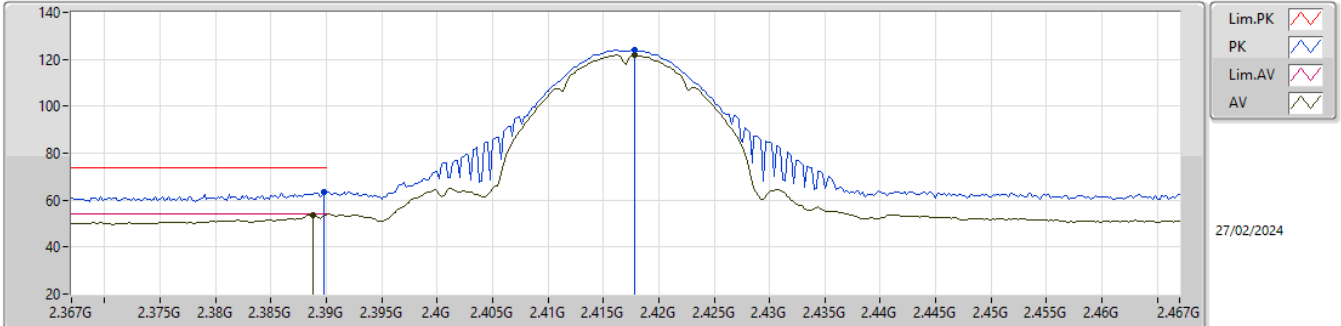
EUT\_Y\_2TX  
 Setting 21.5  
 03-P-S-4

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	4.82359G	47.17	74.00	-26.83	41.86	3	Horizontal	264	1.07	-	33.25	6.75	34.69
AV	4.82377G	36.40	54.00	-17.60	31.09	3	Horizontal	264	1.07	-	33.25	6.75	34.69



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2417MHz\_TX

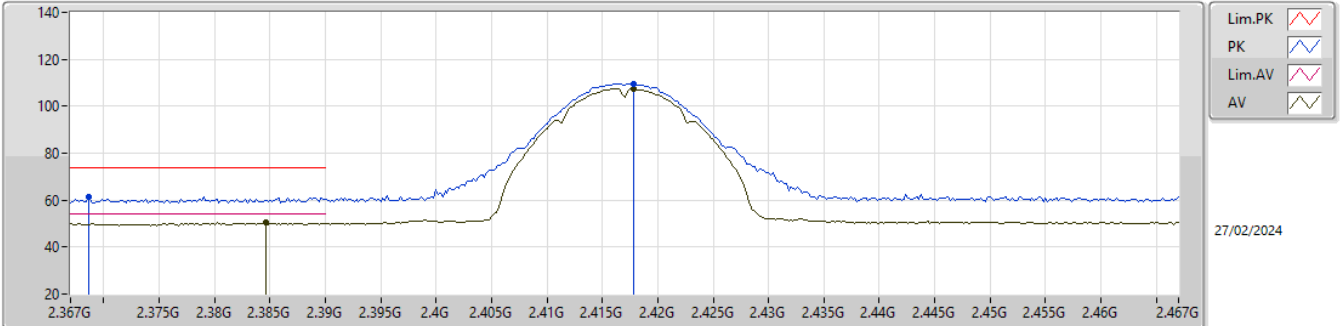


EUT\_Y\_2TX  
 Setting 22.5  
 03-P-5-4

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	63.26	74.00	-10.74	30.25	3	Vertical	0	1.80	-	28.30	4.71	-
AV	2.3888G	53.73	54.00	-0.27	20.74	3	Vertical	0	1.80	-	28.29	4.70	-
PK	2.4178G	124.06	Inf	-Inf	91.04	3	Vertical	0	1.80	-	28.30	4.72	-
AV	2.4178G	121.74	Inf	-Inf	88.72	3	Vertical	0	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2417MHz\_TX

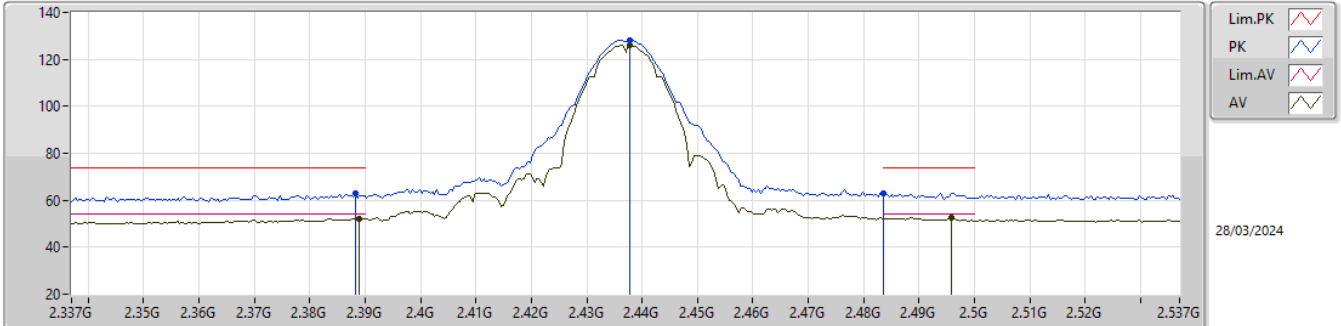


EUT\_Y\_2TX  
 Setting 23.5  
 03-P-5-4

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	2.3686G	61.23	74.00	-12.77	28.37	3	Horizontal	302	1.80	-	28.20	4.66	-
AV	2.3846G	50.39	54.00	-3.61	17.44	3	Horizontal	302	1.80	-	28.25	4.70	-
PK	2.4178G	109.64	Inf	-Inf	76.62	3	Horizontal	302	1.80	-	28.30	4.72	-
AV	2.4178G	107.46	Inf	-Inf	74.44	3	Horizontal	302	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2437MHz\_TX

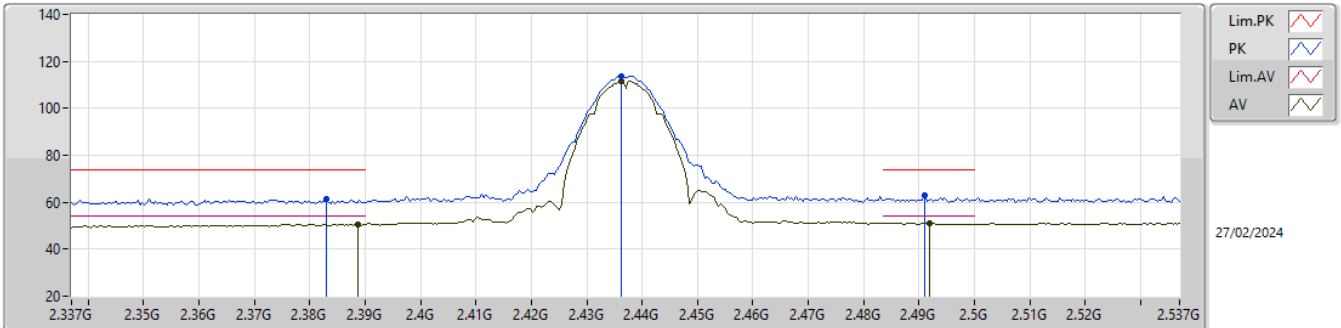


EUT\_Y\_2TX  
Setting 29  
03-P-5-4

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	62.87	74.00	-11.13	29.89	3	Vertical	0	1.80	-	28.28	4.70	-
AV	2.389G	52.26	54.00	-1.74	19.26	3	Vertical	0	1.80	-	28.29	4.71	-
PK	2.4378G	128.25	Inf	-Inf	95.24	3	Vertical	0	1.80	-	28.30	4.71	-
AV	2.4378G	126.00	Inf	-Inf	92.99	3	Vertical	0	1.80	-	28.30	4.71	-
PK	2.4835G	63.09	74.00	-10.91	30.06	3	Vertical	0	1.80	-	28.34	4.69	-
AV	2.4958G	52.35	54.00	-1.65	19.27	3	Vertical	0	1.80	-	28.40	4.68	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2437MHz\_TX

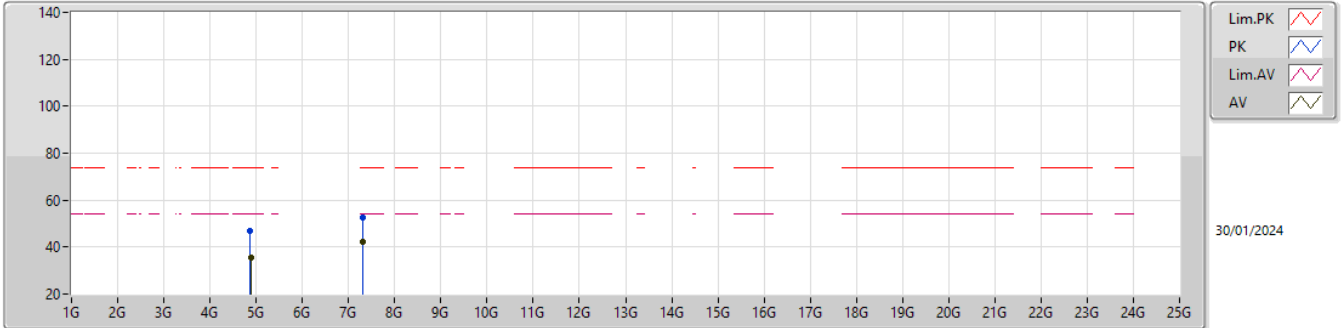


EUT\_Y\_2TX  
Setting 29  
03-P-5-4

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	2.383G	61.44	74.00	-12.56	28.52	3	Horizontal	312	1.57	-	28.23	4.69	-
AV	2.3886G	50.70	54.00	-3.30	17.71	3	Horizontal	312	1.57	-	28.29	4.70	-
PK	2.4362G	113.60	Inf	-Inf	80.59	3	Horizontal	312	1.57	-	28.30	4.71	-
AV	2.4362G	111.38	Inf	-Inf	78.37	3	Horizontal	312	1.57	-	28.30	4.71	-
PK	2.491G	62.85	74.00	-11.15	29.77	3	Horizontal	312	1.57	-	28.40	4.68	-
AV	2.4918G	51.21	54.00	-2.79	18.13	3	Horizontal	312	1.57	-	28.40	4.68	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2437MHz\_TX

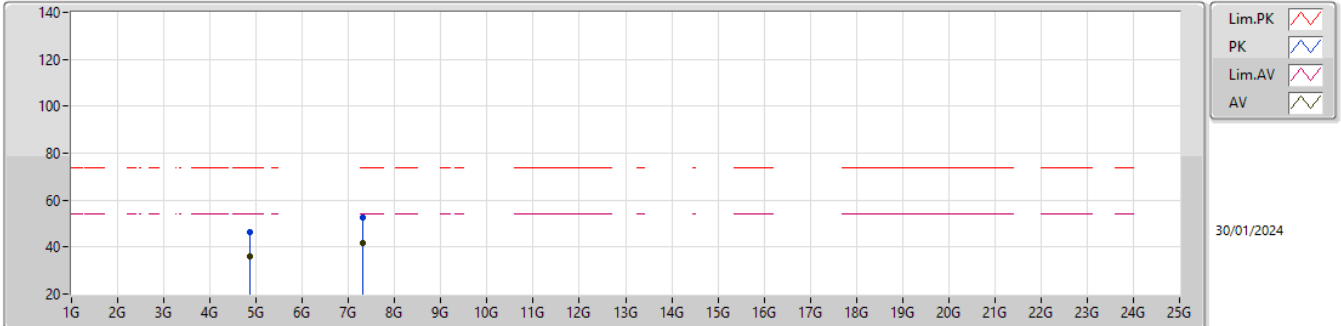


EUT\_Y\_2TX  
Setting 29  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87272G	47.09	74.00	-26.91	42.14	3	Vertical	220	2.85	-	32.49	5.72	33.26
AV	4.88032G	35.43	54.00	-18.57	30.44	3	Vertical	220	2.85	-	32.52	5.72	33.25
PK	7.31568G	52.80	74.00	-21.20	42.58	3	Vertical	360	1.80	-	37.20	7.12	34.10
AV	7.30852G	42.15	54.00	-11.85	31.92	3	Vertical	360	1.80	-	37.20	7.12	34.09

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2437MHz\_TX

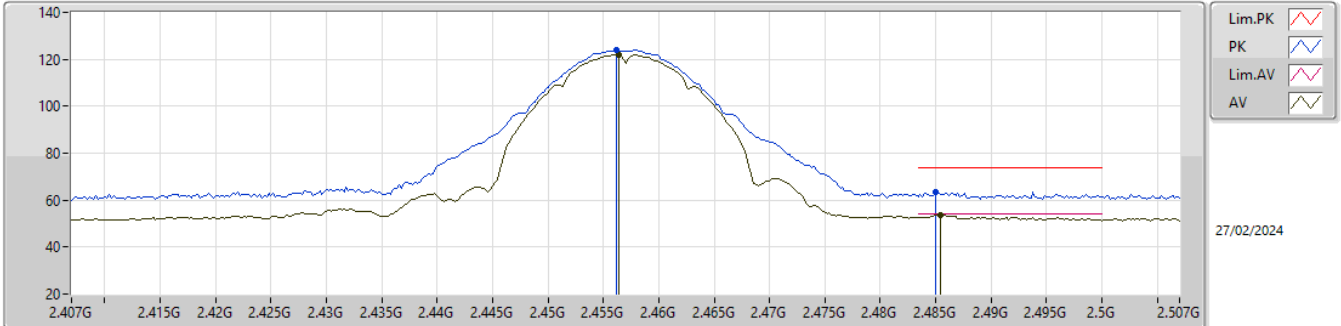


EUT\_Y\_2TX  
Setting 29  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8768G	46.38	74.00	-27.62	41.40	3	Horizontal	319	1.70	-	32.51	5.72	33.25
AV	4.87408G	35.95	54.00	-18.05	30.99	3	Horizontal	319	1.70	-	32.50	5.72	33.26
PK	7.31408G	52.67	74.00	-21.33	42.45	3	Horizontal	343	1.80	-	37.20	7.12	34.10
AV	7.30144G	41.52	54.00	-12.48	31.29	3	Horizontal	343	1.80	-	37.20	7.12	34.09

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2457MHz\_TX

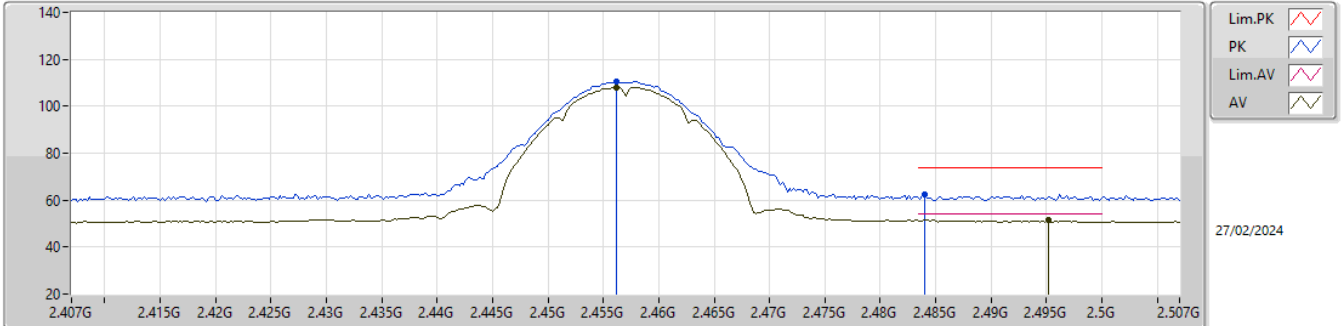


EUT\_Y\_2TX  
 Setting 23.5  
 03-P-5-4

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	2.4562G	123.99	Inf	-Inf	91.05	3	Vertical	0	1.80	-	28.24	4.70	-
AV	2.4564G	121.83	Inf	-Inf	88.89	3	Vertical	0	1.80	-	28.24	4.70	-
PK	2.485G	63.40	74.00	-10.60	30.36	3	Vertical	0	1.80	-	28.35	4.69	-
AV	2.4854G	53.66	54.00	-0.34	20.62	3	Vertical	0	1.80	-	28.35	4.69	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2457MHz\_TX



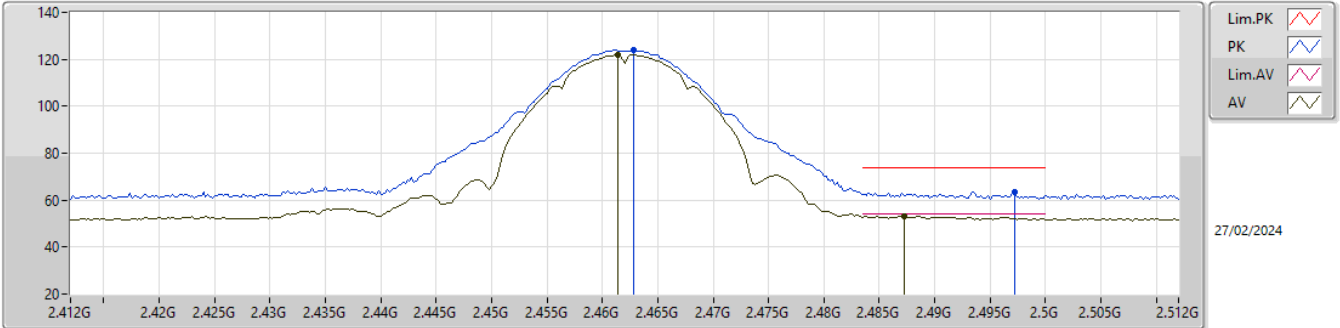
EUT\_Y\_2TX  
 Setting 23.5  
 03-P-5-4

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	2.4562G	110.48	Inf	-Inf	77.54	3	Horizontal	327	1.80	-	28.24	4.70	-
AV	2.4562G	108.18	Inf	-Inf	75.24	3	Horizontal	327	1.80	-	28.24	4.70	-
PK	2.484G	62.39	74.00	-11.61	29.36	3	Horizontal	327	1.80	-	28.34	4.69	-
AV	2.4952G	51.46	54.00	-2.54	18.38	3	Horizontal	327	1.80	-	28.40	4.68	-



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2462MHz\_TX

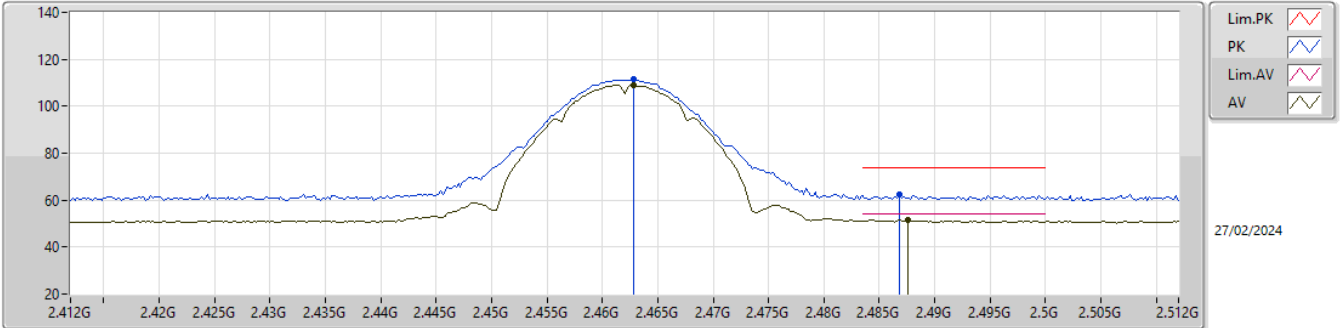


EUT\_Y\_2TX  
 Setting 23.5  
 03-P-5-4

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	124.01	Inf	-Inf	91.08	3	Vertical	3	1.80	-	28.23	4.70	-
AV	2.4614G	121.79	Inf	-Inf	88.88	3	Vertical	3	1.80	-	28.21	4.70	-
PK	2.4972G	63.35	74.00	-10.65	30.27	3	Vertical	3	1.80	-	28.40	4.68	-
AV	2.4872G	53.31	54.00	-0.69	20.25	3	Vertical	3	1.80	-	28.37	4.69	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2462MHz\_TX

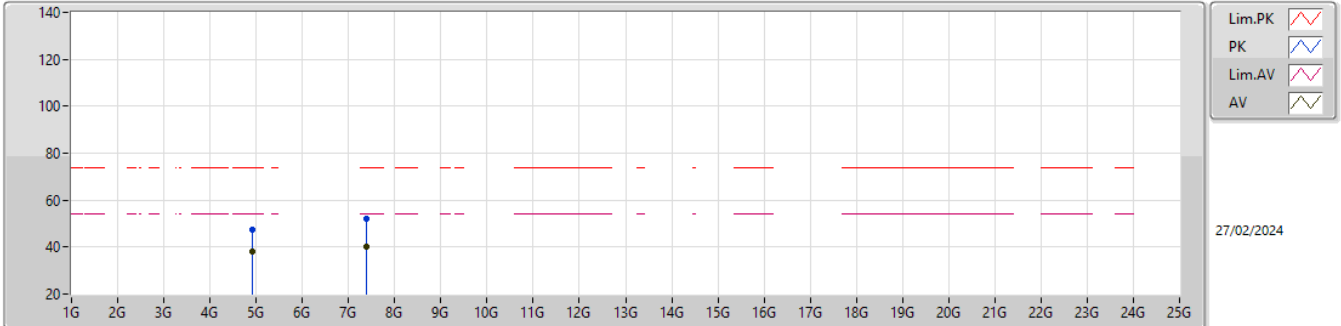


EUT\_Y\_2TX  
 Setting 23.5  
 03-P-5-4

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	111.34	Inf	-Inf	78.41	3	Horizontal	323	1.99	-	28.23	4.70	-
AV	2.4628G	109.03	Inf	-Inf	76.10	3	Horizontal	323	1.99	-	28.23	4.70	-
PK	2.4868G	62.30	74.00	-11.70	29.24	3	Horizontal	323	1.99	-	28.37	4.69	-
AV	2.4876G	51.43	54.00	-2.57	18.36	3	Horizontal	323	1.99	-	28.38	4.69	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2462MHz\_TX

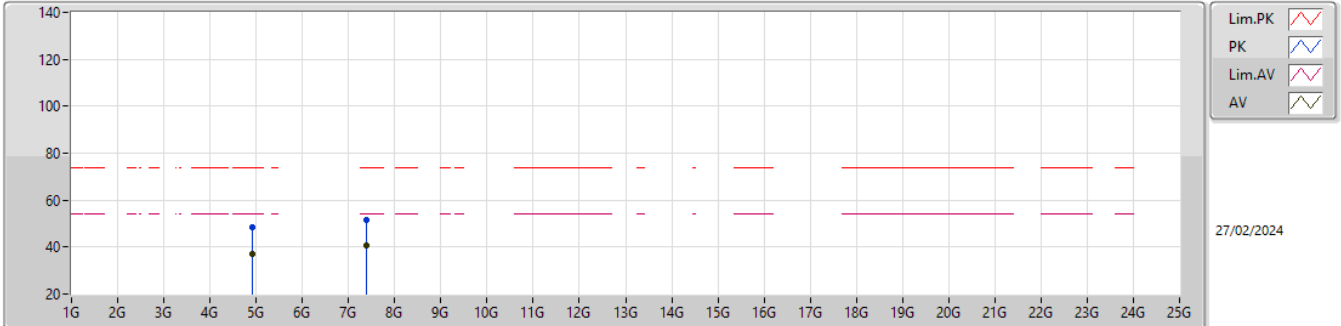


EUT\_Y\_2TX  
 Setting 23.5  
 03-P-5-4

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	4.92381G	47.44	74.00	-26.56	41.82	3	Vertical	324	2.63	-	33.50	6.89	34.77
AV	4.92394G	38.16	54.00	-15.84	32.54	3	Vertical	324	2.63	-	33.50	6.89	34.77
PK	7.38614G	51.89	74.00	-22.11	42.24	3	Vertical	216	2.95	-	36.90	8.09	35.34
AV	7.38579G	40.21	54.00	-13.79	30.56	3	Vertical	216	2.95	-	36.90	8.09	35.34

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

2462MHz\_TX

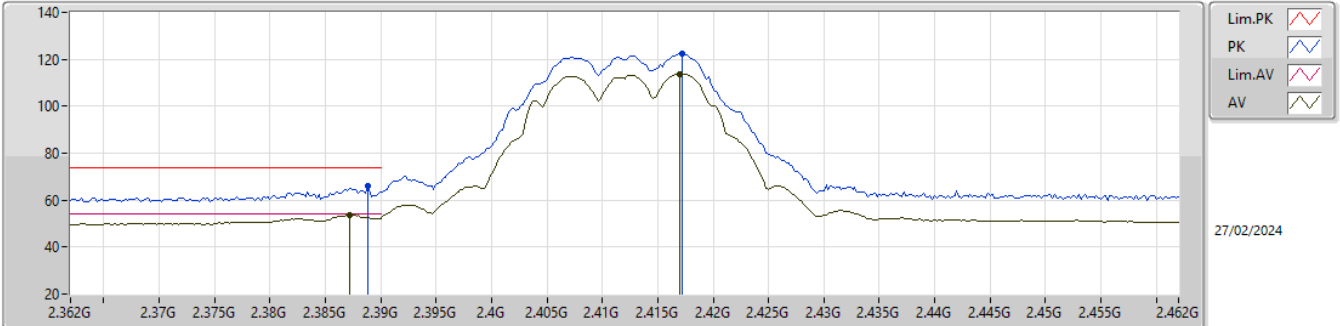


EUT\_Y\_2TX  
 Setting 23.5  
 03-P-5-4

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	4.92427G	48.20	74.00	-25.80	42.58	3	Horizontal	215	1.91	-	33.50	6.89	34.77
AV	4.92397G	37.22	54.00	-16.78	31.60	3	Horizontal	215	1.91	-	33.50	6.89	34.77
PK	7.38648G	51.53	74.00	-22.47	41.88	3	Horizontal	29	1.17	-	36.90	8.09	35.34
AV	7.38595G	40.52	54.00	-13.48	30.87	3	Horizontal	29	1.17	-	36.90	8.09	35.34

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2412MHz\_TX

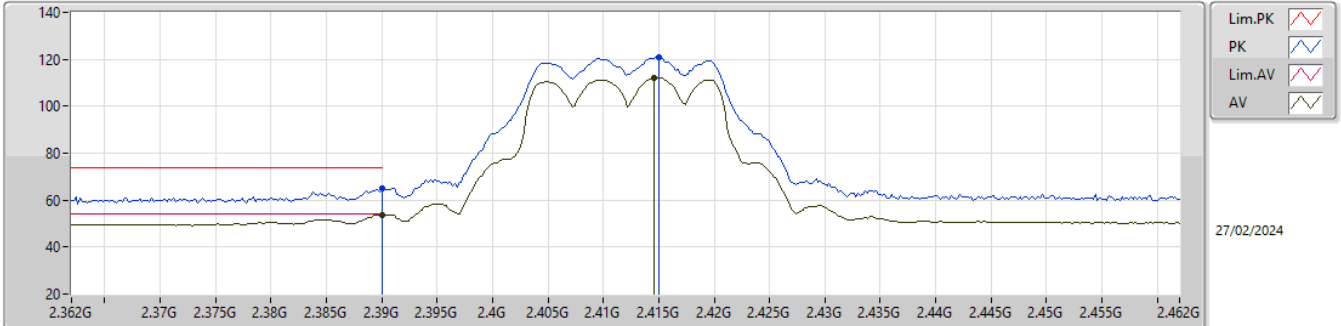


EUT\_Y\_2TX  
 Setting 20.5  
 03-P-5-4

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	2.3888G	66.27	74.00	-7.73	33.28	3	Vertical	358	1.80	-	28.29	4.70	-
AV	2.3872G	53.87	54.00	-0.13	20.90	3	Vertical	358	1.80	-	28.27	4.70	-
PK	2.4172G	122.34	Inf	-Inf	89.32	3	Vertical	358	1.80	-	28.30	4.72	-
AV	2.417G	113.80	Inf	-Inf	80.78	3	Vertical	358	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2412MHz\_TX

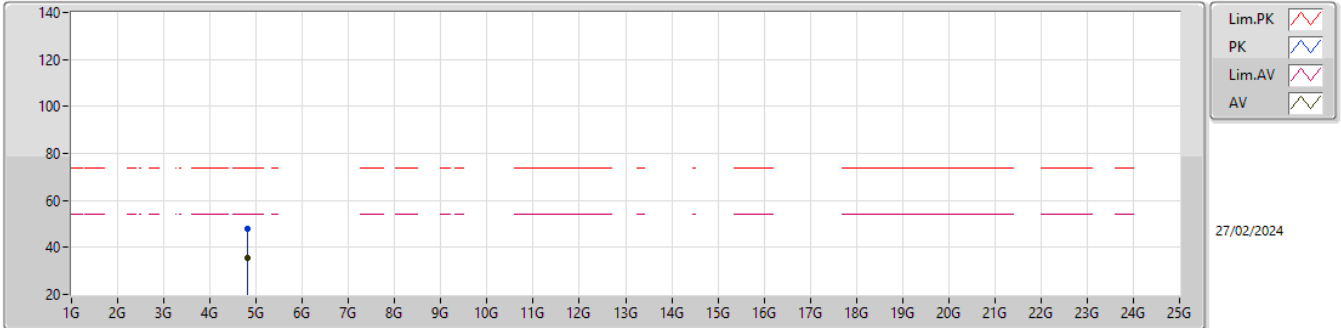


EUT\_Y\_2TX  
 Setting 20.5  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	64.91	74.00	-9.09	31.90	3	Horizontal	322	1.80	-	28.30	4.71	-
AV	2.39G	53.75	54.00	-0.25	20.74	3	Horizontal	322	1.80	-	28.30	4.71	-
PK	2.415G	120.85	Inf	-Inf	87.83	3	Horizontal	322	1.80	-	28.30	4.72	-
AV	2.4146G	112.14	Inf	-Inf	79.12	3	Horizontal	322	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2412MHz\_TX

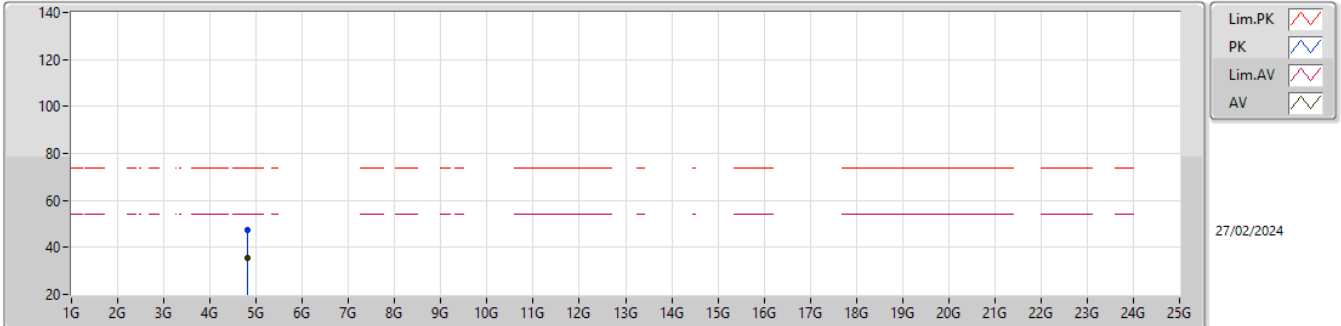


EUT\_Y\_2TX  
 Setting 20.5  
 03-P-5-4

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	4.82446G	47.82	74.00	-26.18	42.51	3	Vertical	184	1.30	-	33.25	6.75	34.69
AV	4.8237G	35.76	54.00	-18.24	30.45	3	Vertical	184	1.30	-	33.25	6.75	34.69

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2412MHz\_TX



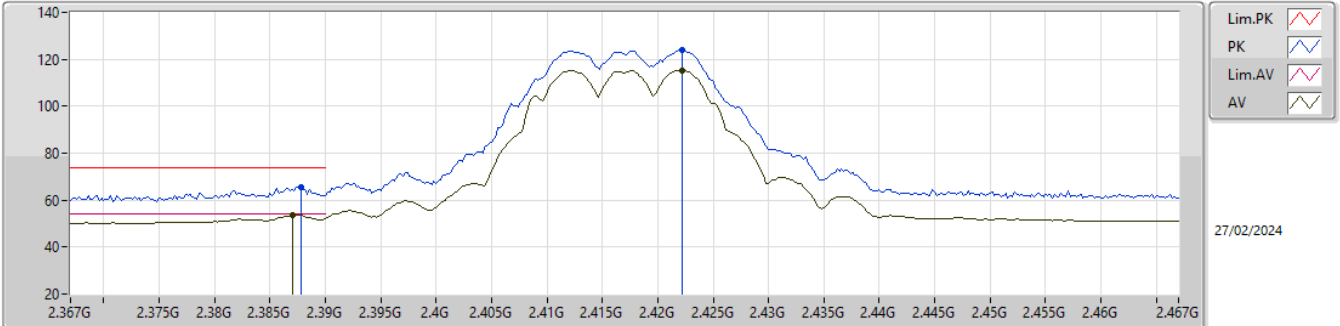
EUT\_Y\_2TX  
 Setting 20.5  
 03-P-S-4

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	4.82402G	47.67	74.00	-26.33	42.36	3	Horizontal	272	1.48	-	33.25	6.75	34.69
AV	4.82363G	35.40	54.00	-18.60	30.09	3	Horizontal	272	1.48	-	33.25	6.75	34.69



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2417MHz\_TX

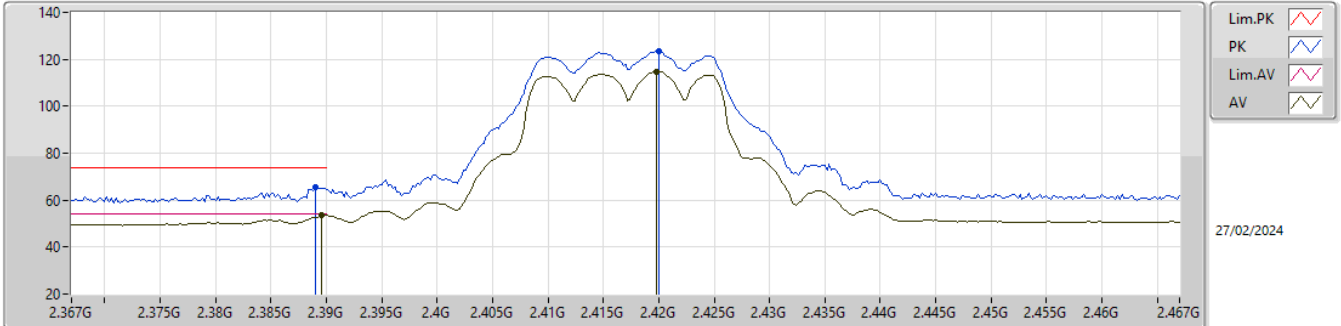


EUT\_Y\_2TX  
 Setting 22.5  
 03-P-5-4

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	2.3878G	65.63	74.00	-8.37	32.65	3	Vertical	-0	1.80	-	28.28	4.70	-
AV	2.387G	53.70	54.00	-0.30	20.73	3	Vertical	-0	1.80	-	28.27	4.70	-
PK	2.4222G	123.88	Inf	-Inf	90.86	3	Vertical	-0	1.80	-	28.30	4.72	-
AV	2.4222G	115.24	Inf	-Inf	82.22	3	Vertical	-0	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2417MHz\_TX

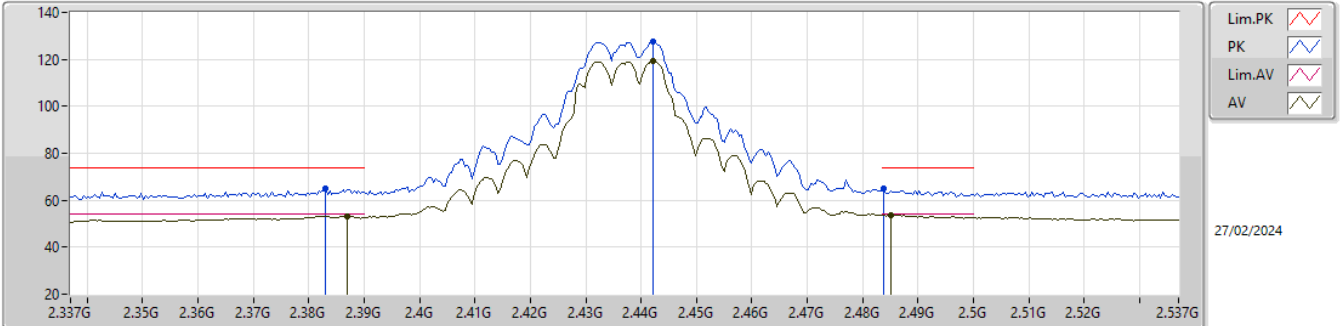


EUT\_Y\_2TX  
 Setting 22.5  
 03-P-5-4

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	65.48	74.00	-8.52	32.48	3	Horizontal	320	1.11	-	28.29	4.71	-
AV	2.3896G	53.41	54.00	-0.59	20.40	3	Horizontal	320	1.11	-	28.30	4.71	-
PK	2.42G	123.36	Inf	-Inf	90.34	3	Horizontal	320	1.11	-	28.30	4.72	-
AV	2.4198G	114.57	Inf	-Inf	81.55	3	Horizontal	320	1.11	-	28.30	4.72	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2437MHz\_TX

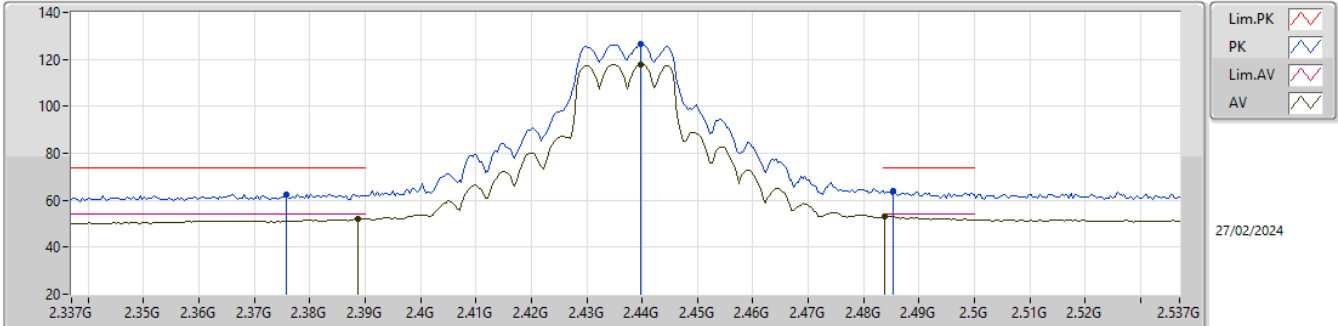


EUT\_Y\_2TX  
 Setting 26.5  
 03-P-5-4

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	2.383G	65.06	74.00	-8.94	32.14	3	Vertical	4	1.80	-	28.23	4.69	-
AV	2.387G	53.17	54.00	-0.83	20.20	3	Vertical	4	1.80	-	28.27	4.70	-
PK	2.4422G	127.55	Inf	-Inf	94.54	3	Vertical	4	1.80	-	28.30	4.71	-
AV	2.4422G	119.28	Inf	-Inf	86.27	3	Vertical	4	1.80	-	28.30	4.71	-
PK	2.4838G	64.84	74.00	-9.16	31.81	3	Vertical	4	1.80	-	28.34	4.69	-
AV	2.485G	53.83	54.00	-0.17	20.79	3	Vertical	4	1.80	-	28.35	4.69	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2437MHz\_TX

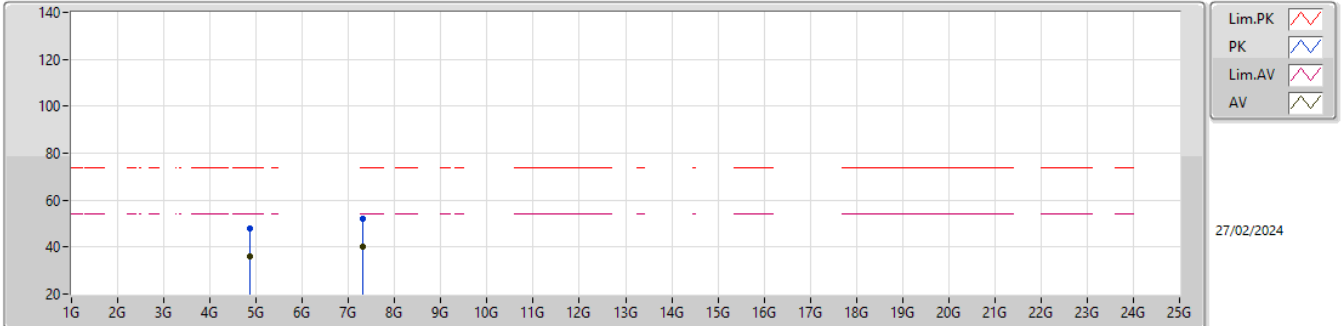


EUT\_Y\_2TX  
Setting 26.5  
03-P-5-4

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	2.3758G	62.58	74.00	-11.42	29.70	3	Horizontal	326	1.80	-	28.20	4.68	-
AV	2.3886G	52.04	54.00	-1.96	19.05	3	Horizontal	326	1.80	-	28.29	4.70	-
PK	2.4398G	126.38	Inf	-Inf	93.37	3	Horizontal	326	1.80	-	28.30	4.71	-
AV	2.4398G	117.98	Inf	-Inf	84.97	3	Horizontal	326	1.80	-	28.30	4.71	-
PK	2.4854G	64.02	74.00	-9.98	30.98	3	Horizontal	326	1.80	-	28.35	4.69	-
AV	2.4838G	53.08	54.00	-0.92	20.05	3	Horizontal	326	1.80	-	28.34	4.69	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2437MHz\_TX

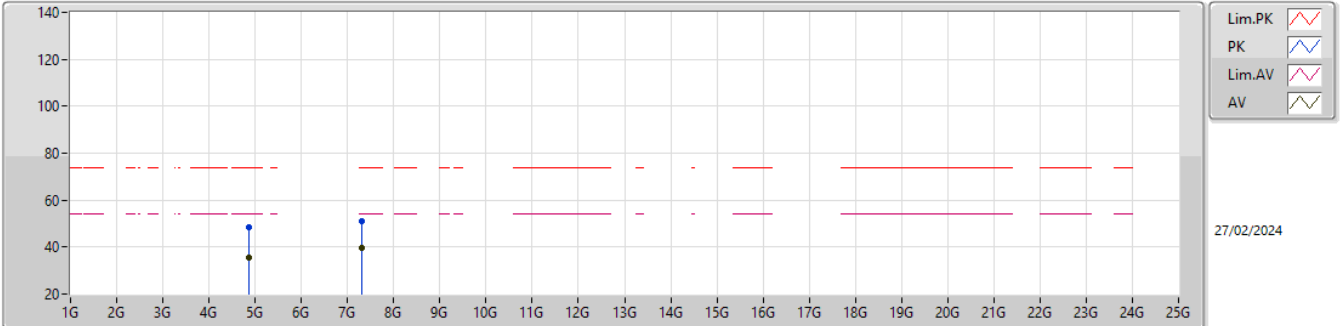


EUT\_Y\_2TX  
 Setting 26.5  
 03-P-5-4

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	4.8739G	47.68	74.00	-26.32	42.24	3	Vertical	54	1.42	-	33.35	6.82	34.73
AV	4.87375G	36.05	54.00	-17.95	30.61	3	Vertical	54	1.42	-	33.35	6.82	34.73
PK	7.31089G	51.95	74.00	-22.05	42.51	3	Vertical	257	2.14	-	36.74	8.08	35.38
AV	7.31065G	39.96	54.00	-14.04	30.52	3	Vertical	257	2.14	-	36.74	8.08	35.38

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2437MHz\_TX

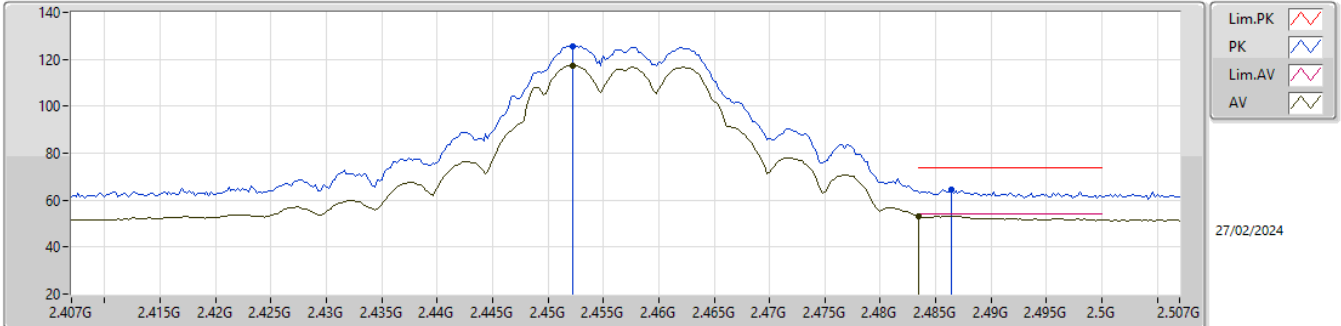


EUT\_Y\_2TX  
Setting 26.5  
03-P-5-4

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	4.87447G	48.26	74.00	-25.74	42.82	3	Horizontal	147	2.97	-	33.35	6.82	34.73
AV	4.87371G	35.69	54.00	-18.31	30.25	3	Horizontal	147	2.97	-	33.35	6.82	34.73
PK	7.31092G	51.19	74.00	-22.81	41.75	3	Horizontal	357	1.84	-	36.74	8.08	35.38
AV	7.31095G	39.62	54.00	-14.38	30.18	3	Horizontal	357	1.84	-	36.74	8.08	35.38

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2457MHz\_TX

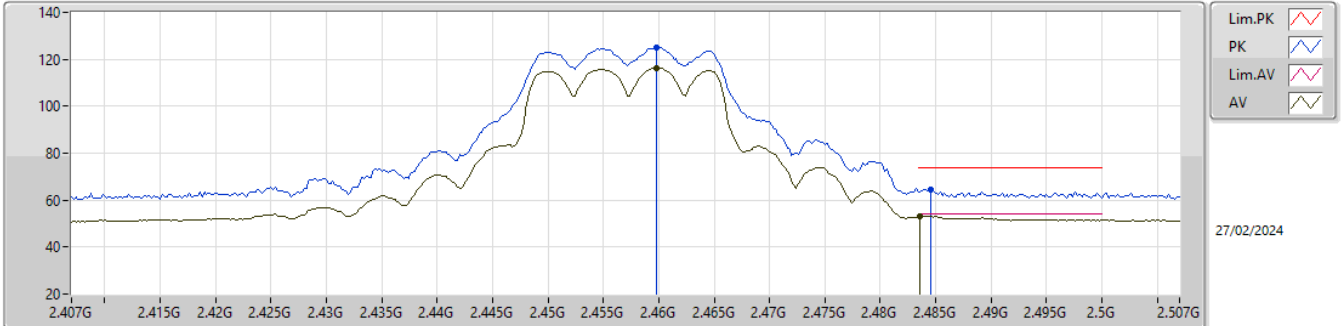


EUT\_Y\_2TX  
Setting 24.5  
03-P-5-4

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	2.4522G	125.55	Inf	-Inf	92.57	3	Vertical	-0	1.80	-	28.28	4.70	-
AV	2.4522G	117.36	Inf	-Inf	84.38	3	Vertical	-0	1.80	-	28.28	4.70	-
PK	2.4864G	64.72	74.00	-9.28	31.67	3	Vertical	-0	1.80	-	28.36	4.69	-
AV	2.4835G	53.27	54.00	-0.73	20.24	3	Vertical	-0	1.80	-	28.34	4.69	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2457MHz\_TX



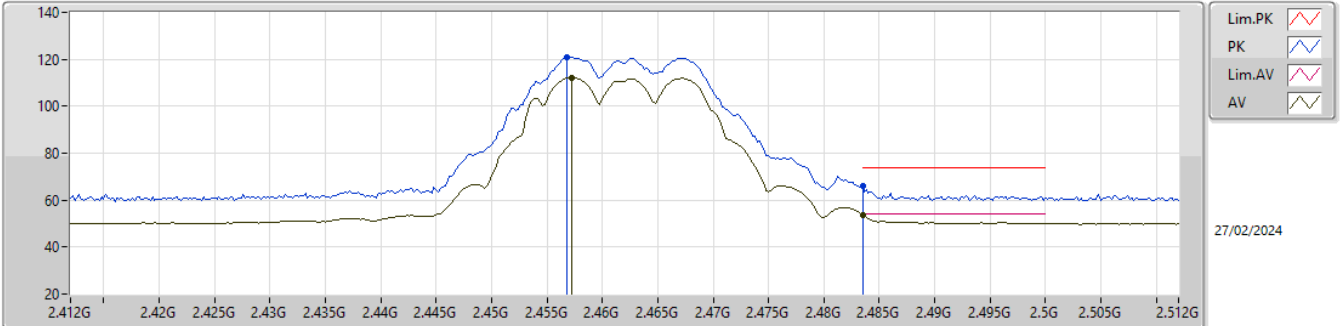
EUT\_Y\_2TX  
 Setting 24.5  
 03-P-5-4

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	2.4598G	125.00	Inf	-Inf	92.10	3	Horizontal	323	1.02	-	28.20	4.70	-
AV	2.4598G	116.34	Inf	-Inf	83.44	3	Horizontal	323	1.02	-	28.20	4.70	-
PK	2.4846G	64.39	74.00	-9.61	31.35	3	Horizontal	323	1.02	-	28.35	4.69	-
AV	2.4836G	53.08	54.00	-0.92	20.05	3	Horizontal	323	1.02	-	28.34	4.69	-



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2462MHz\_TX

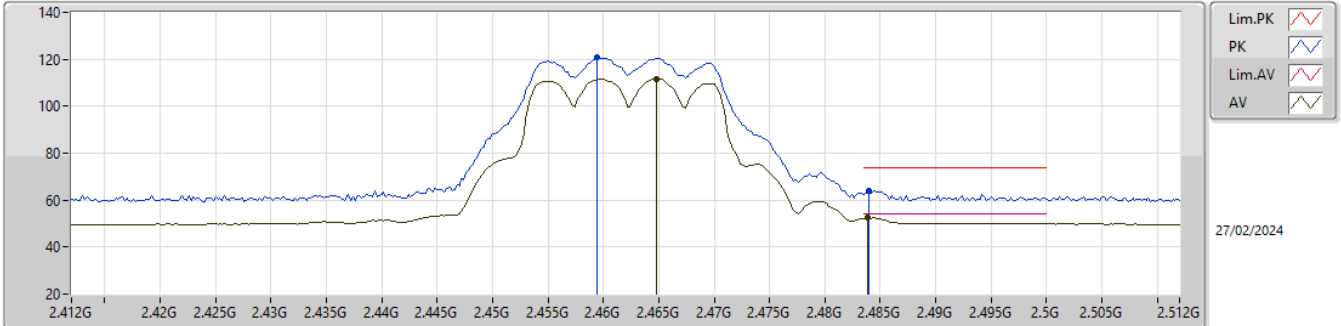


EUT\_Y\_2TX  
Setting 20  
03-P-5-4

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	2.4568G	120.80	Inf	-Inf	87.87	3	Vertical	354	1.80	-	28.23	4.70	-
AV	2.4572G	112.28	Inf	-Inf	79.35	3	Vertical	354	1.80	-	28.23	4.70	-
PK	2.4835G	65.82	74.00	-8.18	32.79	3	Vertical	354	1.80	-	28.34	4.69	-
AV	2.4835G	53.82	54.00	-0.18	20.79	3	Vertical	354	1.80	-	28.34	4.69	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2462MHz\_TX

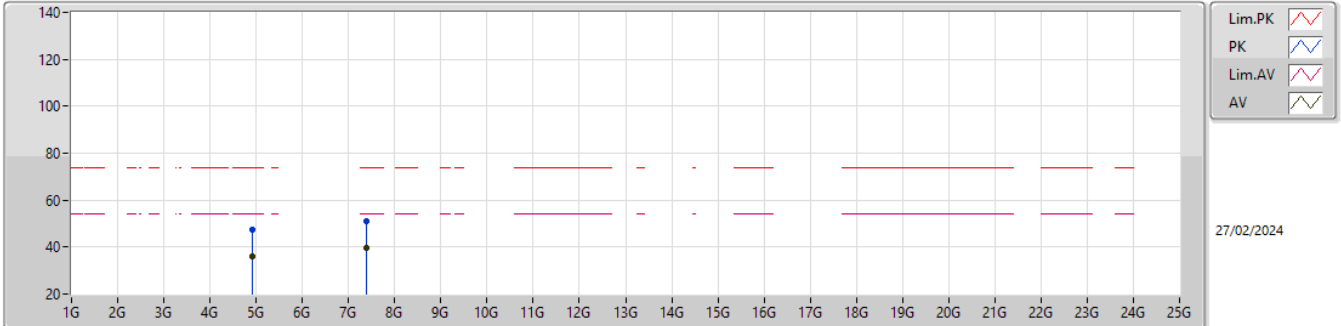


EUT\_Y\_2TX  
Setting 20  
03-P-5-4

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	2.4594G	120.64	Inf	-Inf	87.73	3	Horizontal	324	1.02	-	28.21	4.70	-
AV	2.4648G	111.56	Inf	-Inf	78.61	3	Horizontal	324	1.02	-	28.25	4.70	-
PK	2.484G	63.90	74.00	-10.10	30.87	3	Horizontal	324	1.02	-	28.34	4.69	-
AV	2.4838G	52.48	54.00	-1.52	19.45	3	Horizontal	324	1.02	-	28.34	4.69	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2462MHz\_TX

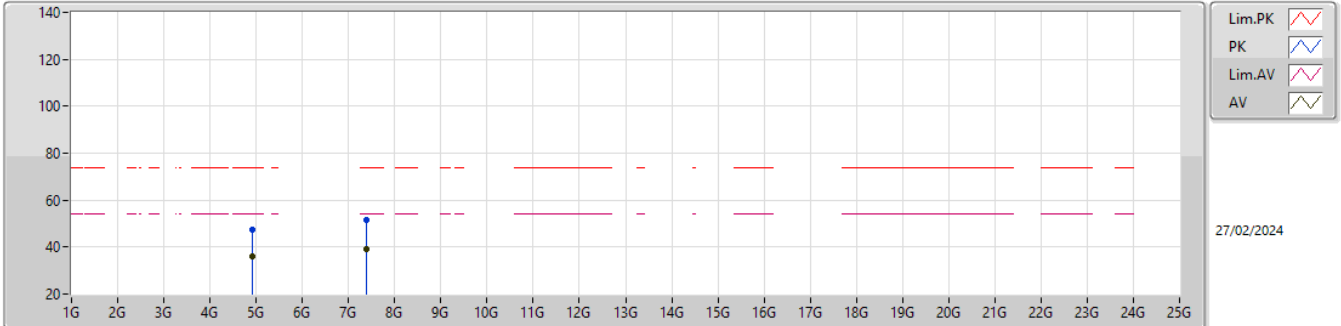


EUT\_Y\_2TX  
Setting 20  
03-P-5-4

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	4.92359G	47.62	74.00	-26.38	42.01	3	Vertical	195	2.36	-	33.49	6.89	34.77
AV	4.92396G	36.05	54.00	-17.95	30.43	3	Vertical	195	2.36	-	33.50	6.89	34.77
PK	7.38646G	51.05	74.00	-22.95	41.40	3	Vertical	138	1.23	-	36.90	8.09	35.34
AV	7.38623G	39.74	54.00	-14.26	30.09	3	Vertical	138	1.23	-	36.90	8.09	35.34

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

2462MHz\_TX

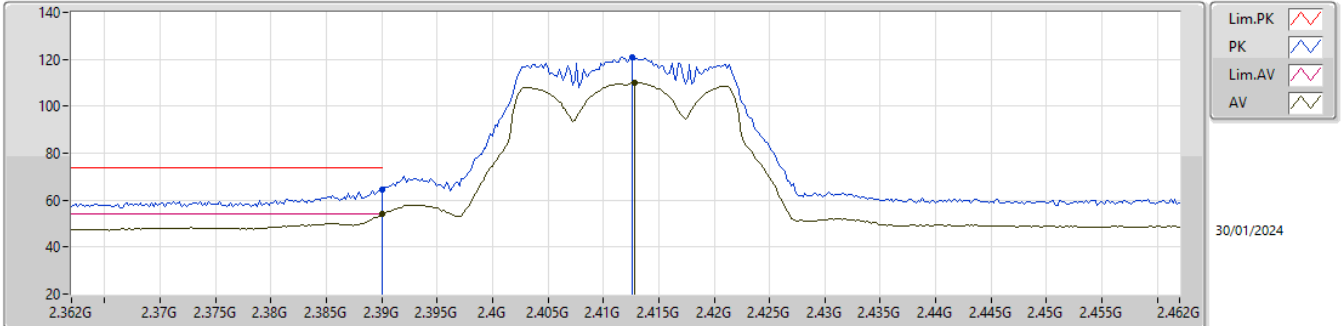


EUT\_Y\_2TX  
Setting 20  
03-P-5-4

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	4.92441G	47.65	74.00	-26.35	42.03	3	Horizontal	101	1.70	-	33.50	6.89	34.77
AV	4.92425G	36.19	54.00	-17.81	30.57	3	Horizontal	101	1.70	-	33.50	6.89	34.77
PK	7.38643G	51.39	74.00	-22.61	41.74	3	Horizontal	101	2.81	-	36.90	8.09	35.34
AV	7.38575G	39.29	54.00	-14.71	29.64	3	Horizontal	101	2.81	-	36.90	8.09	35.34

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2412MHz\_TX

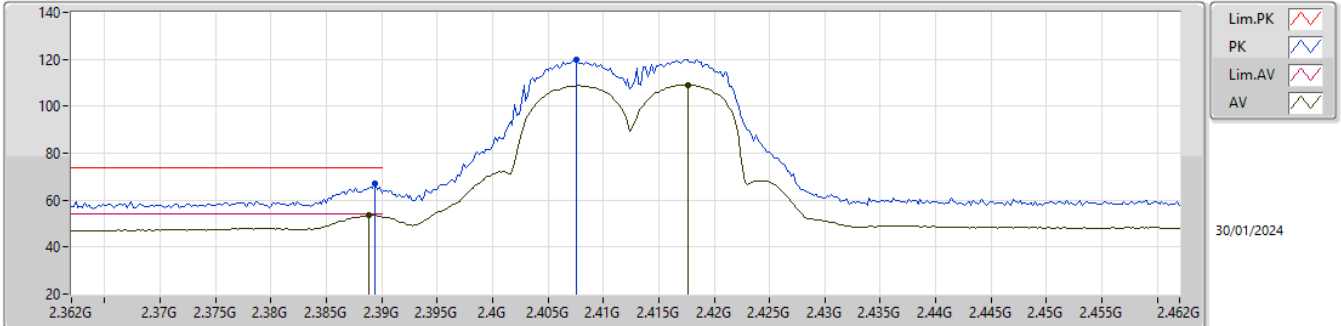


EUT\_Y\_2TX  
 Setting 18.5  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	64.36	74.00	-9.64	33.61	3	Vertical	0	1.62	-	27.40	3.35	-
AV	2.39G	53.95	54.00	-0.05	23.20	3	Vertical	0	1.62	-	27.40	3.35	-
PK	2.4126G	120.67	Inf	-Inf	89.81	3	Vertical	0	1.62	-	27.50	3.36	-
AV	2.4128G	110.07	Inf	-Inf	79.21	3	Vertical	0	1.62	-	27.50	3.36	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2412MHz\_TX

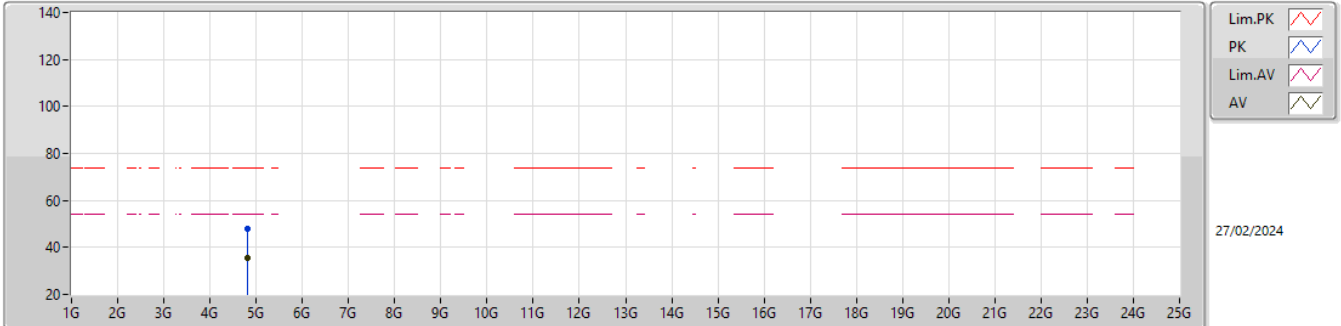


EUT\_Y\_2TX  
 Setting 18.5  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	67.04	74.00	-6.96	36.29	3	Horizontal	329	1.62	-	27.40	3.35	-
AV	2.3888G	53.41	54.00	-0.59	22.66	3	Horizontal	329	1.62	-	27.40	3.35	-
PK	2.4076G	119.77	Inf	-Inf	88.92	3	Horizontal	329	1.62	-	27.50	3.35	-
AV	2.4176G	109.11	Inf	-Inf	78.25	3	Horizontal	329	1.62	-	27.50	3.36	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2412MHz\_TX

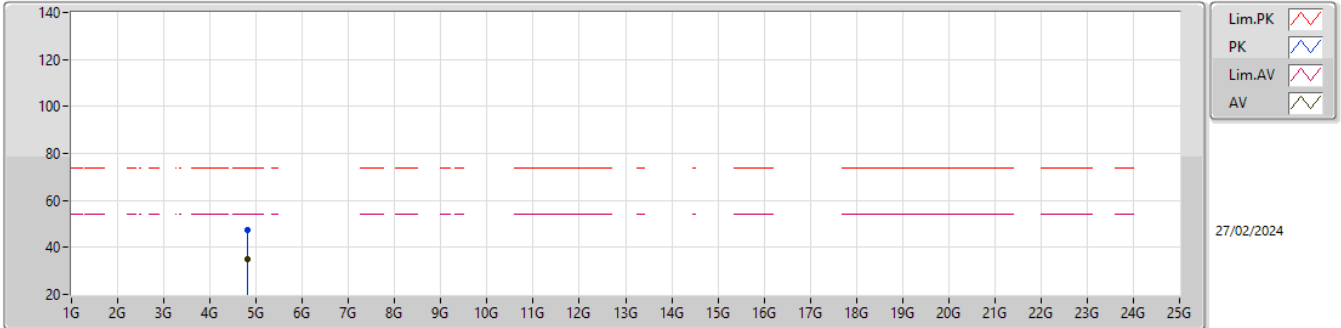


EUT\_Y\_2TX  
 Setting 18.5  
 03-P-5-4

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	4.82449G	47.81	74.00	-26.19	42.50	3	Vertical	88	2.66	-	33.25	6.75	34.69
AV	4.82422G	35.43	54.00	-18.57	30.12	3	Vertical	88	2.66	-	33.25	6.75	34.69

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2412MHz\_TX



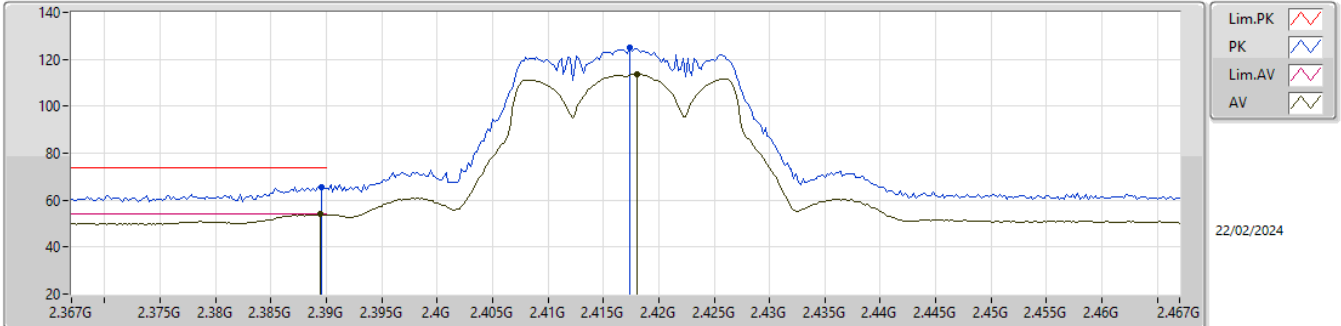
EUT\_Y\_2TX  
 Setting 18.5  
 03-P-S-4

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	4.82358G	47.30	74.00	-26.70	41.99	3	Horizontal	355	2.54	-	33.25	6.75	34.69
AV	4.82392G	34.97	54.00	-19.03	29.66	3	Horizontal	355	2.54	-	33.25	6.75	34.69



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2417MHz\_TX

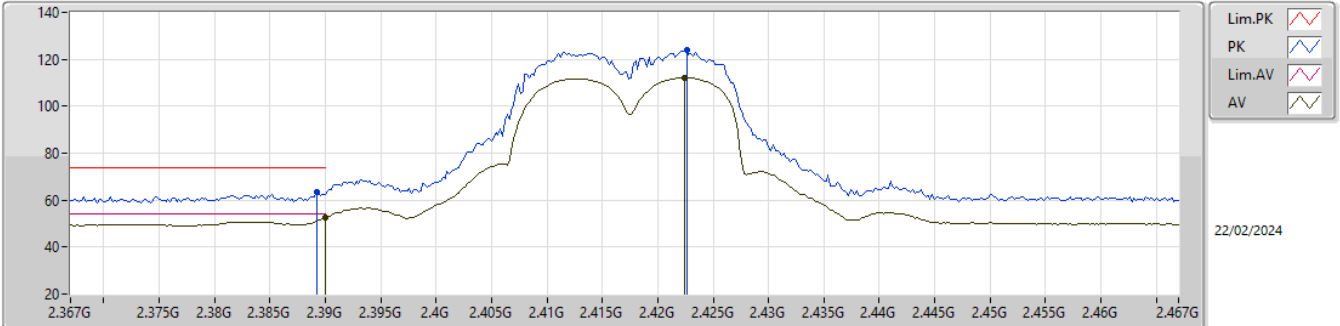


EUT\_Y\_2TX  
Setting 22  
06-I-J-8

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	65.75	74.00	-8.25	33.34	3	Vertical	0	1.80	-	27.70	4.71	-
AV	2.3894G	53.97	54.00	-0.03	21.56	3	Vertical	0	1.80	-	27.70	4.71	-
PK	2.4174G	125.25	Inf	-Inf	92.91	3	Vertical	0	1.80	-	27.60	4.74	-
AV	2.418G	113.59	Inf	-Inf	81.25	3	Vertical	0	1.80	-	27.60	4.74	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2417MHz\_TX

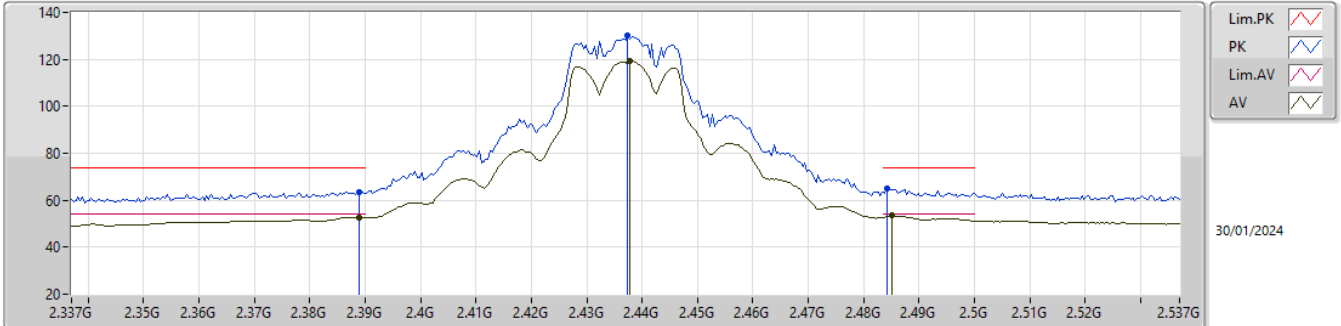


EUT\_Y\_2TX  
Setting 22  
06-I-J-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	63.47	74.00	-10.53	31.06	3	Horizontal	316	2.11	-	27.70	4.71	-
AV	2.39G	52.53	54.00	-1.47	20.12	3	Horizontal	316	2.11	-	27.70	4.71	-
PK	2.4226G	123.81	Inf	-Inf	91.50	3	Horizontal	316	2.11	-	27.57	4.74	-
AV	2.4224G	112.23	Inf	-Inf	79.91	3	Horizontal	316	2.11	-	27.58	4.74	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2437MHz\_TX

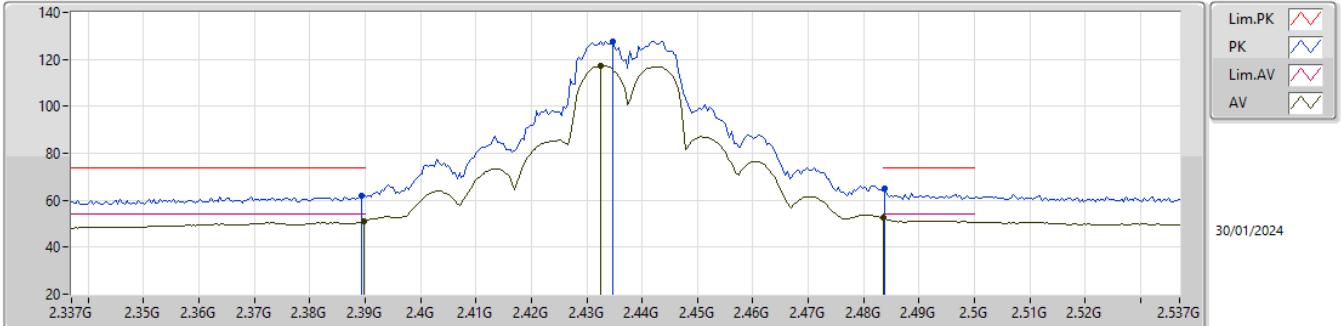


EUT\_Y\_2TX  
Setting 29  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	63.41	74.00	-10.59	32.66	3	Vertical	359	1.80	-	27.40	3.35	-
AV	2.389G	52.69	54.00	-1.31	21.94	3	Vertical	359	1.80	-	27.40	3.35	-
PK	2.4374G	130.37	Inf	-Inf	99.43	3	Vertical	359	1.80	-	27.57	3.37	-
AV	2.4378G	119.37	Inf	-Inf	88.42	3	Vertical	359	1.80	-	27.58	3.37	-
PK	2.4842G	64.80	74.00	-9.20	33.76	3	Vertical	359	1.80	-	27.64	3.40	-
AV	2.485G	53.54	54.00	-0.46	22.49	3	Vertical	359	1.80	-	27.65	3.40	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2437MHz\_TX

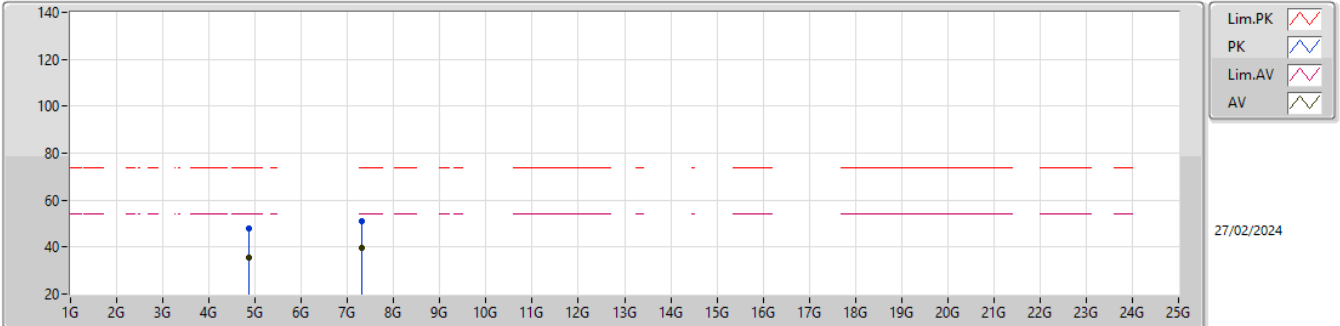


EUT\_Y\_2TX  
Setting 29  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	61.89	74.00	-12.11	31.14	3	Horizontal	318	1.07	-	27.40	3.35	-
AV	2.3898G	51.05	54.00	-2.95	20.30	3	Horizontal	318	1.07	-	27.40	3.35	-
PK	2.4346G	127.83	Inf	-Inf	96.91	3	Horizontal	318	1.07	-	27.55	3.37	-
AV	2.4326G	117.37	Inf	-Inf	86.47	3	Horizontal	318	1.07	-	27.53	3.37	-
PK	2.4838G	64.96	74.00	-9.04	33.92	3	Horizontal	318	1.07	-	27.64	3.40	-
AV	2.4835G	52.43	54.00	-1.57	21.39	3	Horizontal	318	1.07	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2437MHz\_TX

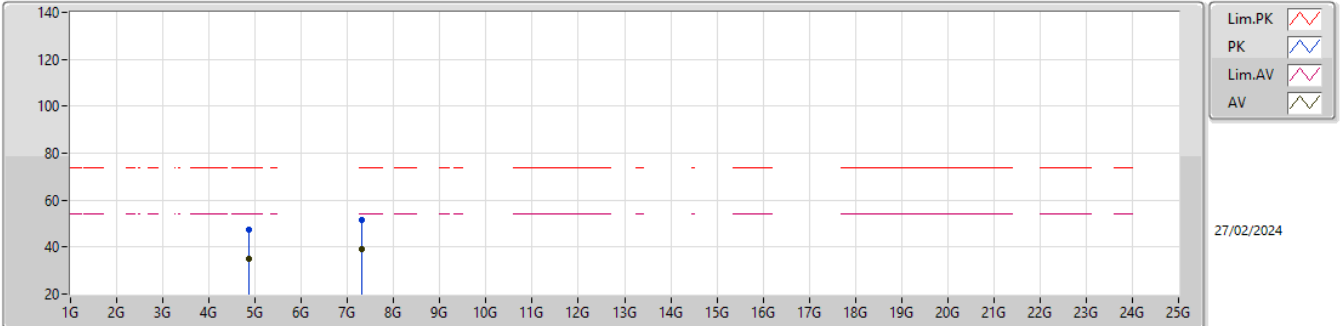


EUT\_Y\_2TX  
Setting 29  
03-P-5-4

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	4.87423G	47.80	74.00	-26.20	42.36	3	Vertical	193	2.56	-	33.35	6.82	34.73
AV	4.87416G	35.26	54.00	-18.74	29.82	3	Vertical	193	2.56	-	33.35	6.82	34.73
PK	7.31098G	51.24	74.00	-22.76	41.80	3	Vertical	72	1.88	-	36.74	8.08	35.38
AV	7.31076G	39.48	54.00	-14.52	30.04	3	Vertical	72	1.88	-	36.74	8.08	35.38

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2437MHz\_TX

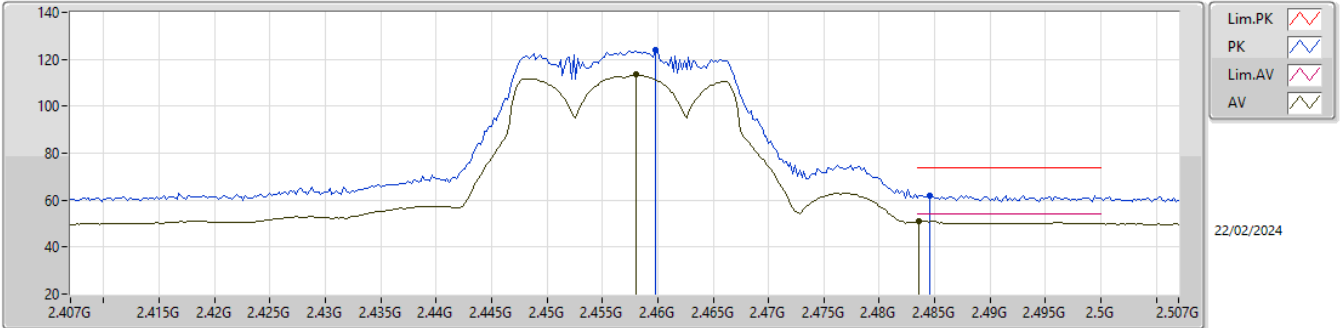


EUT\_Y\_2TX  
Setting 29  
03-P-5-4

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	4.87447G	47.56	74.00	-26.44	42.12	3	Horizontal	10	1.12	-	33.35	6.82	34.73
AV	4.87388G	35.19	54.00	-18.81	29.75	3	Horizontal	10	1.12	-	33.35	6.82	34.73
PK	7.31137G	51.52	74.00	-22.48	42.07	3	Horizontal	61	2.29	-	36.75	8.08	35.38
AV	7.31071G	39.05	54.00	-14.95	29.61	3	Horizontal	61	2.29	-	36.74	8.08	35.38

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2457MHz\_TX

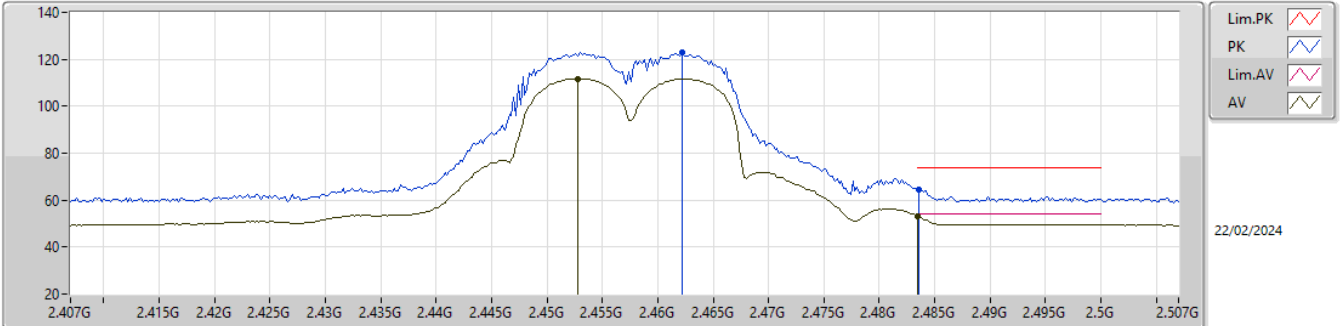


EUT\_Y\_2TX  
Setting 22  
06-I-J-8

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	2.4598G	123.97	Inf	-Inf	91.80	3	Vertical	0	1.80	-	27.40	4.77	-
AV	2.458G	113.40	Inf	-Inf	81.21	3	Vertical	0	1.80	-	27.42	4.77	-
PK	2.4846G	62.15	74.00	-11.85	29.95	3	Vertical	0	1.80	-	27.40	4.80	-
AV	2.4836G	50.88	54.00	-3.12	18.68	3	Vertical	0	1.80	-	27.40	4.80	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2457MHz\_TX



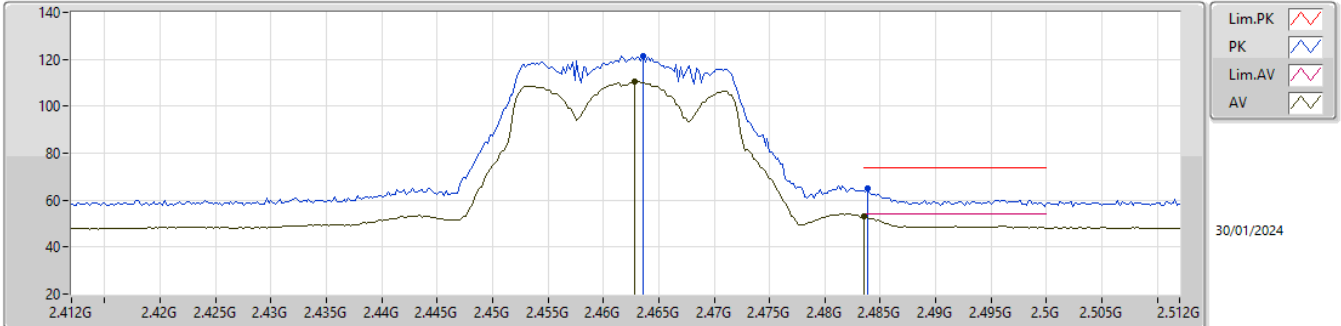
EUT\_Y\_2TX  
Setting 22  
06-I-J-8

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	2.4622G	123.08	Inf	-Inf	90.90	3	Horizontal	329	2.03	-	27.40	4.78	-
AV	2.4528G	111.80	Inf	-Inf	79.56	3	Horizontal	329	2.03	-	27.47	4.77	-
PK	2.4836G	64.74	74.00	-9.26	32.54	3	Horizontal	329	2.03	-	27.40	4.80	-
AV	2.4835G	53.16	54.00	-0.84	20.96	3	Horizontal	329	2.03	-	27.40	4.80	-



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz\_TX

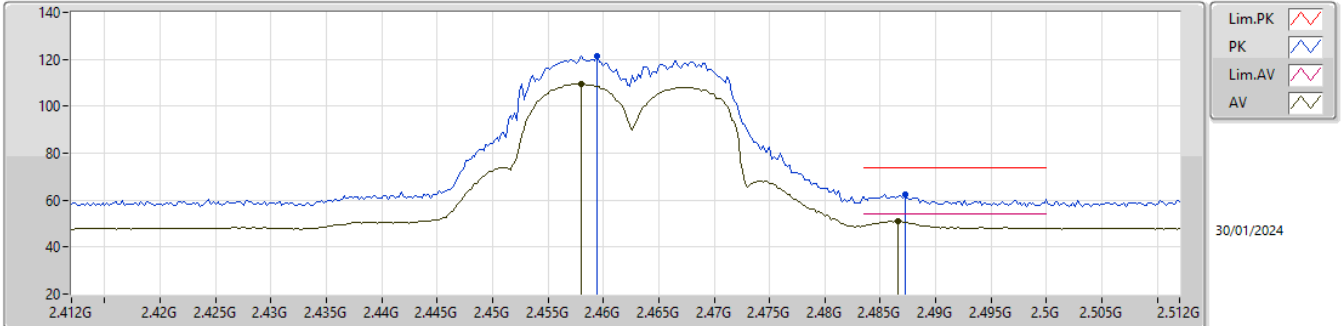


EUT\_Y\_2TX  
Setting 19  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4636G	121.55	Inf	-Inf	90.57	3	Vertical	0	1.32	-	27.60	3.38	-
AV	2.4628G	110.35	Inf	-Inf	79.37	3	Vertical	0	1.32	-	27.60	3.38	-
PK	2.4838G	65.04	74.00	-8.96	34.00	3	Vertical	0	1.32	-	27.64	3.40	-
AV	2.4835G	53.23	54.00	-0.77	22.19	3	Vertical	0	1.32	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz\_TX

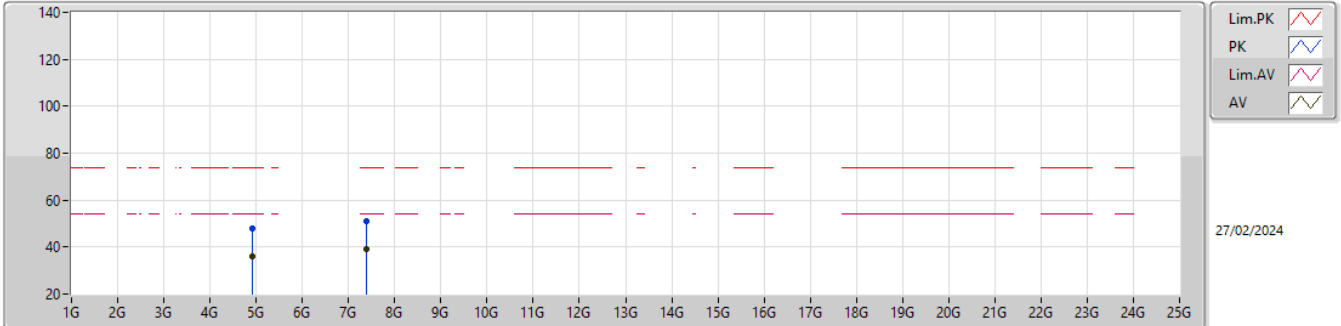


EUT\_Y\_2TX  
Setting 19  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4594G	121.39	Inf	-Inf	90.41	3	Horizontal	324	1.57	-	27.60	3.38	-
AV	2.458G	109.67	Inf	-Inf	78.69	3	Horizontal	324	1.57	-	27.60	3.38	-
PK	2.4872G	62.51	74.00	-11.49	31.44	3	Horizontal	324	1.57	-	27.67	3.40	-
AV	2.4866G	51.02	54.00	-2.98	19.95	3	Horizontal	324	1.57	-	27.67	3.40	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz\_TX

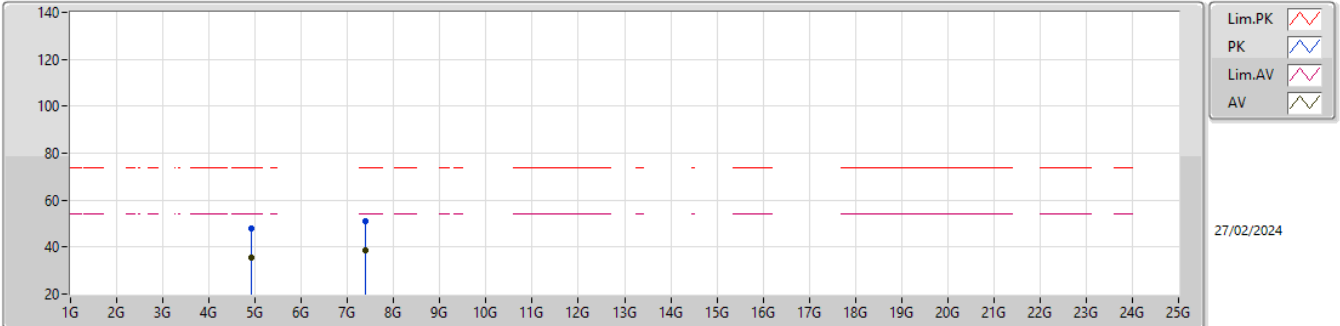


EUT\_Y\_2TX  
Setting 19  
03-P-5-4

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	4.92388G	48.13	74.00	-25.87	42.51	3	Vertical	105	1.66	-	33.50	6.89	34.77
AV	4.92379G	35.88	54.00	-18.12	30.26	3	Vertical	105	1.66	-	33.50	6.89	34.77
PK	7.38587G	51.02	74.00	-22.98	41.37	3	Vertical	45	1.01	-	36.90	8.09	35.34
AV	7.3861G	39.32	54.00	-14.68	29.67	3	Vertical	45	1.01	-	36.90	8.09	35.34

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz\_TX

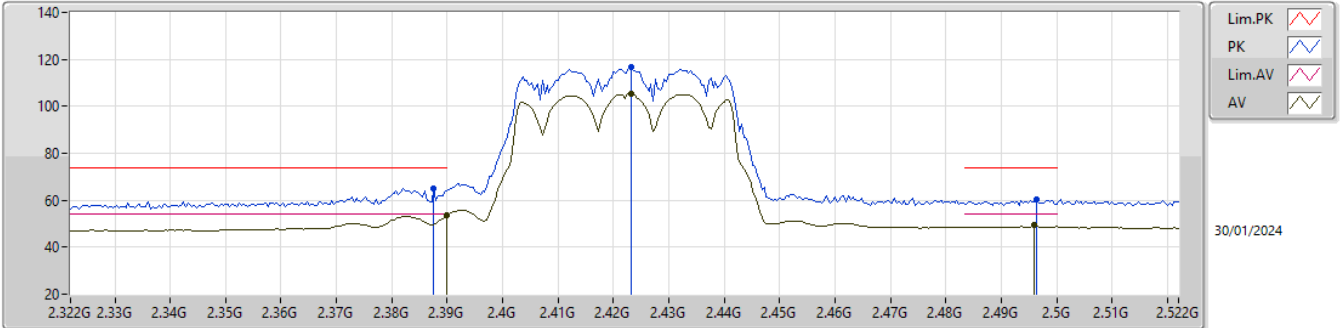


EUT\_Y\_2TX  
Setting 19  
03-P-5-4

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	4.92403G	47.90	74.00	-26.10	42.28	3	Horizontal	306	1.94	-	33.50	6.89	34.77
AV	4.92389G	35.55	54.00	-18.45	29.93	3	Horizontal	306	1.94	-	33.50	6.89	34.77
PK	7.38639G	50.91	74.00	-23.09	41.26	3	Horizontal	32	2.29	-	36.90	8.09	35.34
AV	7.38636G	38.79	54.00	-15.21	29.14	3	Horizontal	32	2.29	-	36.90	8.09	35.34

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2422MHz\_TX

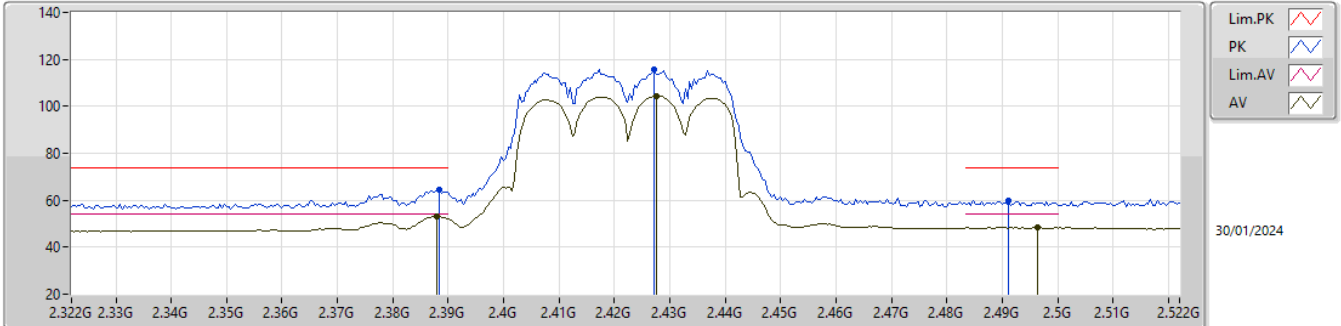


EUT\_Y\_2TX  
 Setting 15.5  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3876G	65.20	74.00	-8.80	34.45	3	Vertical	360	1.80	-	27.40	3.35	-
AV	2.39G	53.69	54.00	-0.31	22.94	3	Vertical	360	1.80	-	27.40	3.35	-
PK	2.4232G	116.84	Inf	-Inf	85.98	3	Vertical	360	1.80	-	27.50	3.36	-
AV	2.4232G	105.12	Inf	-Inf	74.26	3	Vertical	360	1.80	-	27.50	3.36	-
PK	2.4964G	60.31	74.00	-13.69	29.21	3	Vertical	360	1.80	-	27.70	3.40	-
AV	2.496G	49.33	54.00	-4.67	18.23	3	Vertical	360	1.80	-	27.70	3.40	-

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2422MHz\_TX

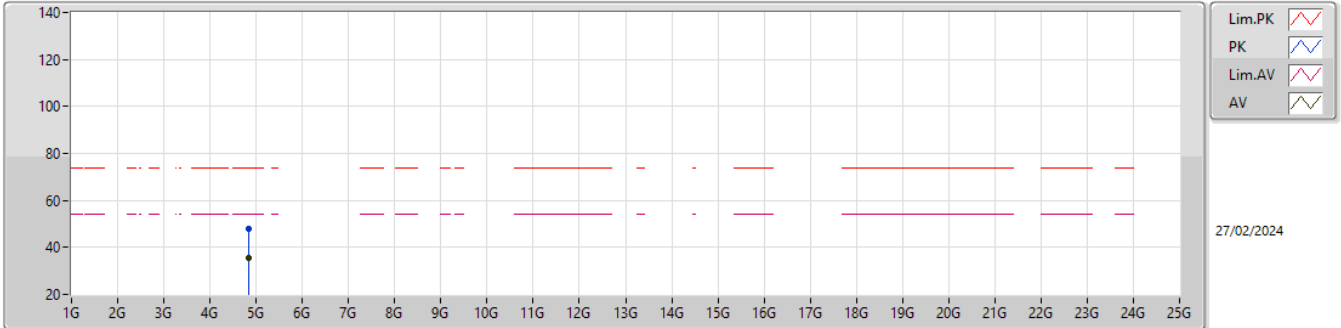


EUTY\_2TX  
 Setting 15.5  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3884G	64.50	74.00	-9.50	33.75	3	Horizontal	324	1.44	-	27.40	3.35	-
AV	2.388G	53.12	54.00	-0.88	22.37	3	Horizontal	324	1.44	-	27.40	3.35	-
PK	2.4272G	115.89	Inf	-Inf	85.03	3	Horizontal	324	1.44	-	27.50	3.36	-
AV	2.4276G	104.25	Inf	-Inf	73.38	3	Horizontal	324	1.44	-	27.50	3.37	-
PK	2.4912G	59.74	74.00	-14.26	28.64	3	Horizontal	324	1.44	-	27.70	3.40	-
AV	2.4964G	48.31	54.00	-5.69	17.21	3	Horizontal	324	1.44	-	27.70	3.40	-

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2422MHz\_TX

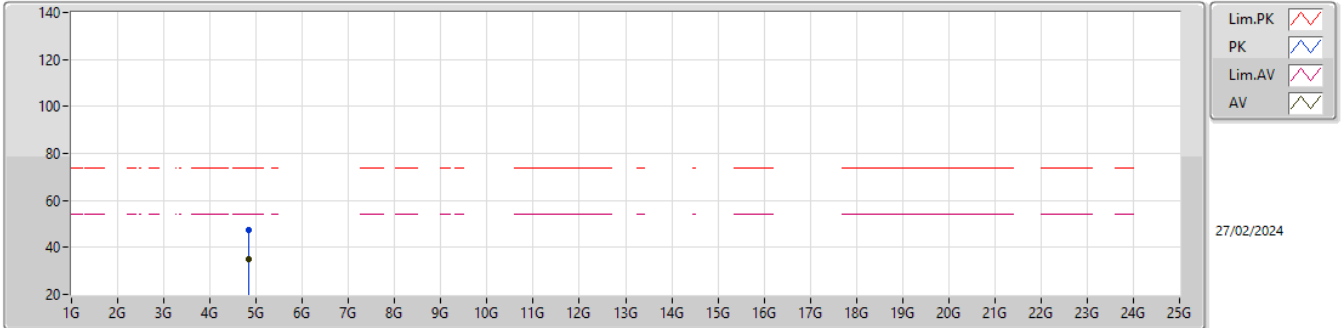


EUT\_Y\_2TX  
Setting 15.5  
03-P-S-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.84412G	48.05	74.00	-25.95	42.69	3	Vertical	141	1.57	-	33.29	6.78	34.71			
AV	4.84449G	35.27	54.00	-18.73	29.91	3	Vertical	141	1.57	-	33.29	6.78	34.71			

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2422MHz\_TX



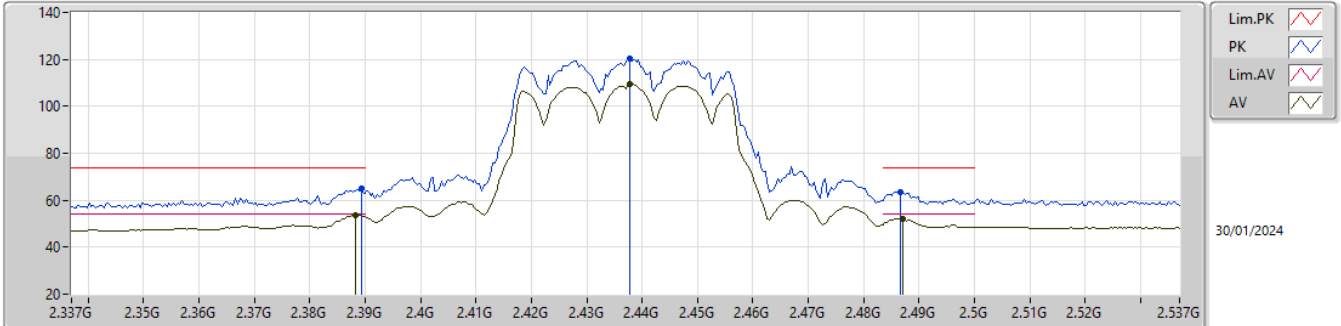
EUT\_Y\_2TX  
Setting 15.5  
03-P-S-4

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	4.84353G	47.23	74.00	-26.77	41.87	3	Horizontal	107	2.11	-	33.29	6.78	34.71
AV	4.84427G	34.98	54.00	-19.02	29.62	3	Horizontal	107	2.11	-	33.29	6.78	34.71



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2437MHz\_TX

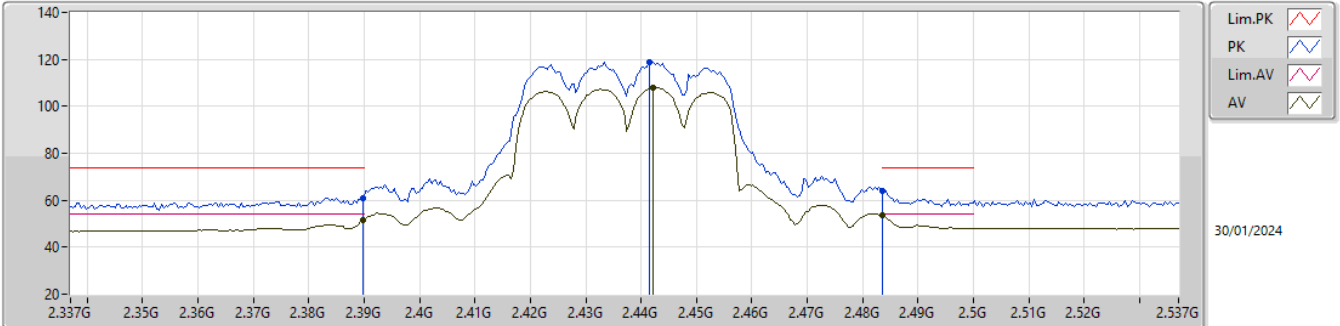


EUT\_Y\_2TX  
Setting 19  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	64.96	74.00	-9.04	34.21	3	Vertical	360	1.80	-	27.40	3.35	-
AV	2.3882G	53.68	54.00	-0.32	22.93	3	Vertical	360	1.80	-	27.40	3.35	-
PK	2.4378G	120.36	Inf	-Inf	89.41	3	Vertical	360	1.80	-	27.58	3.37	-
AV	2.4378G	109.32	Inf	-Inf	78.37	3	Vertical	360	1.80	-	27.58	3.37	-
PK	2.4866G	63.59	74.00	-10.41	32.52	3	Vertical	360	1.80	-	27.67	3.40	-
AV	2.487G	52.13	54.00	-1.87	21.06	3	Vertical	360	1.80	-	27.67	3.40	-

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2437MHz\_TX

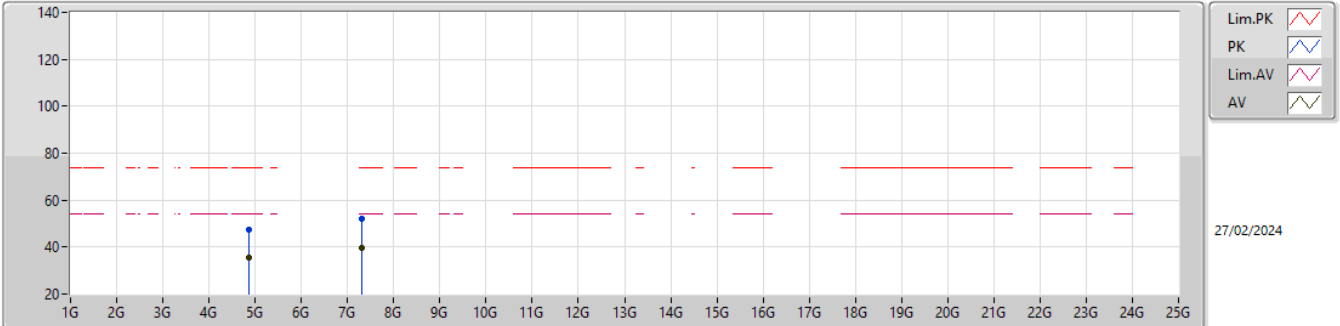


EUT\_Y\_2TX  
Setting 19  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	60.97	74.00	-13.03	30.22	3	Horizontal	319	1.29	-	27.40	3.35	-
AV	2.3898G	51.41	54.00	-2.59	20.66	3	Horizontal	319	1.29	-	27.40	3.35	-
PK	2.4414G	118.91	Inf	-Inf	87.94	3	Horizontal	319	1.29	-	27.60	3.37	-
AV	2.4422G	107.81	Inf	-Inf	76.84	3	Horizontal	319	1.29	-	27.60	3.37	-
PK	2.4835G	64.01	74.00	-9.99	32.97	3	Horizontal	319	1.29	-	27.64	3.40	-
AV	2.4835G	53.38	54.00	-0.62	22.34	3	Horizontal	319	1.29	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2437MHz\_TX

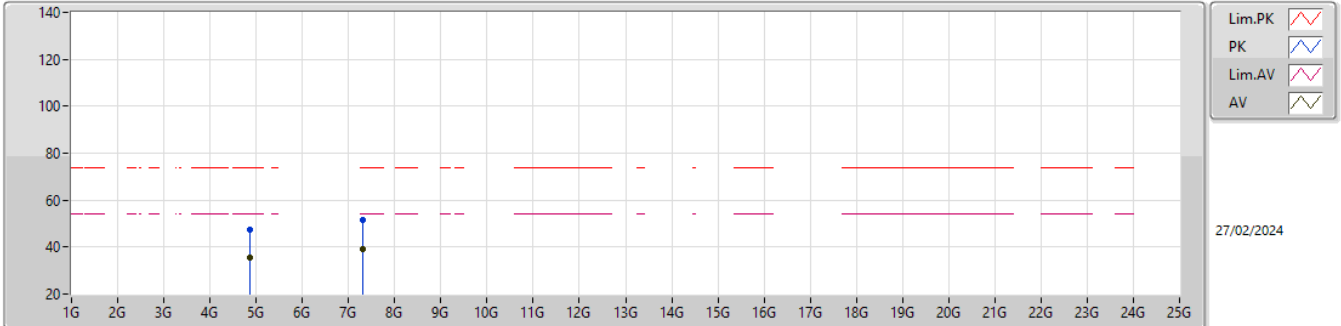


EUT\_Y\_2TX  
Setting 19  
03-P-5-4

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	4.87428G	47.62	74.00	-26.38	42.18	3	Vertical	272	1.22	-	33.35	6.82	34.73
AV	4.87395G	35.69	54.00	-18.31	30.25	3	Vertical	272	1.22	-	33.35	6.82	34.73
PK	7.3111G	52.17	74.00	-21.83	42.73	3	Vertical	248	1.12	-	36.74	8.08	35.38
AV	7.31131G	39.88	54.00	-14.12	30.43	3	Vertical	248	1.12	-	36.75	8.08	35.38

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2437MHz\_TX

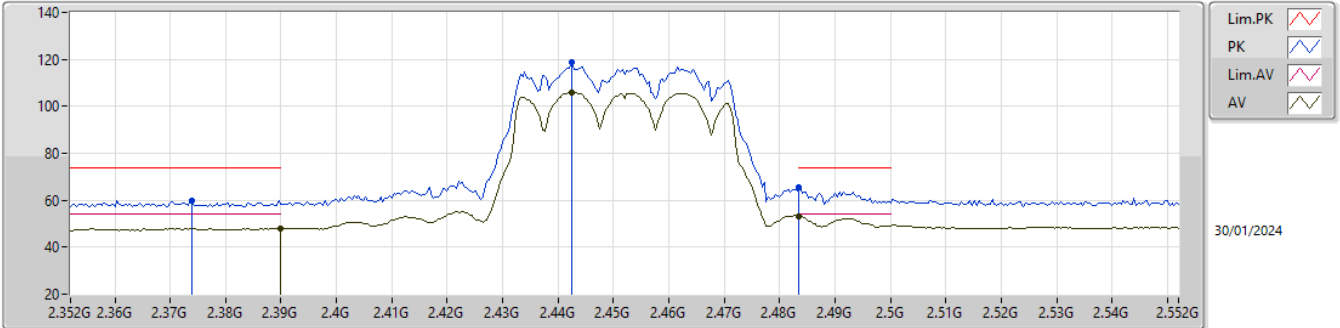


EUT\_Y\_2TX  
Setting 19  
03-P-5-4

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	4.87413G	47.29	74.00	-26.71	41.85	3	Horizontal	234	2.22	-	33.35	6.82	34.73
AV	4.87431G	35.26	54.00	-18.74	29.82	3	Horizontal	234	2.22	-	33.35	6.82	34.73
PK	7.31089G	51.65	74.00	-22.35	42.21	3	Horizontal	121	1.00	-	36.74	8.08	35.38
AV	7.311G	39.05	54.00	-14.95	29.61	3	Horizontal	121	1.00	-	36.74	8.08	35.38

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2452MHz\_TX

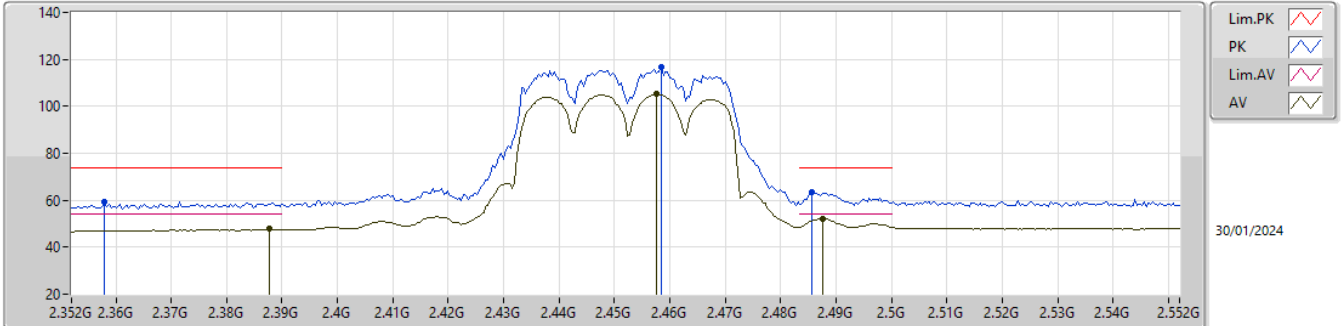


EUT\_Y\_2TX  
 Setting 16.5  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.374G	60.08	74.00	-13.92	29.28	3	Vertical	2	1.65	-	27.46	3.34	-
AV	2.39G	48.06	54.00	-5.94	17.31	3	Vertical	2	1.65	-	27.40	3.35	-
PK	2.4424G	118.56	Inf	-Inf	87.59	3	Vertical	2	1.65	-	27.60	3.37	-
AV	2.4424G	106.08	Inf	-Inf	75.11	3	Vertical	2	1.65	-	27.60	3.37	-
PK	2.4835G	65.75	74.00	-8.25	34.71	3	Vertical	2	1.65	-	27.64	3.40	-
AV	2.4835G	53.07	54.00	-0.93	22.03	3	Vertical	2	1.65	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2452MHz\_TX

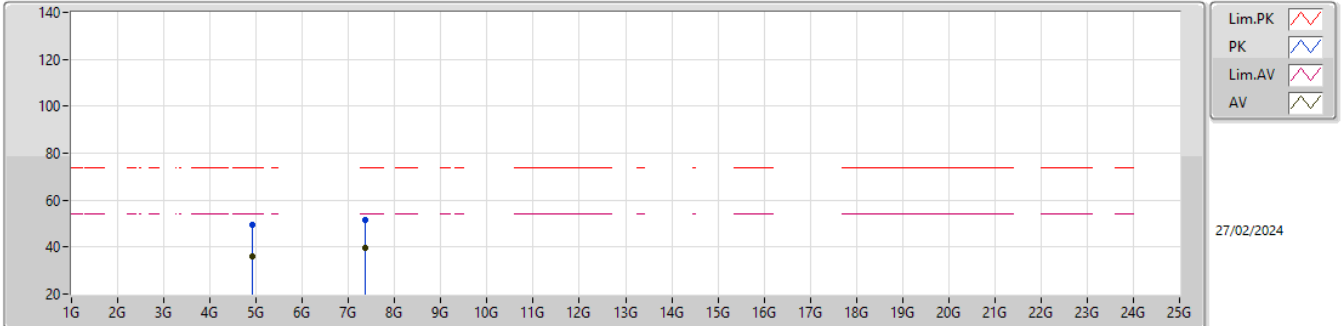


EUT\_Y\_2TX  
Setting 16.5  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.358G	59.13	74.00	-14.87	28.40	3	Horizontal	331	1.58	-	27.40	3.33	-
AV	2.3876G	47.78	54.00	-6.22	17.03	3	Horizontal	331	1.58	-	27.40	3.35	-
PK	2.4584G	116.52	Inf	-Inf	85.54	3	Horizontal	331	1.58	-	27.60	3.38	-
AV	2.4576G	105.24	Inf	-Inf	74.26	3	Horizontal	331	1.58	-	27.60	3.38	-
PK	2.4856G	63.35	74.00	-10.65	32.29	3	Horizontal	331	1.58	-	27.66	3.40	-
AV	2.4876G	52.14	54.00	-1.86	21.06	3	Horizontal	331	1.58	-	27.68	3.40	-

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2452MHz\_TX

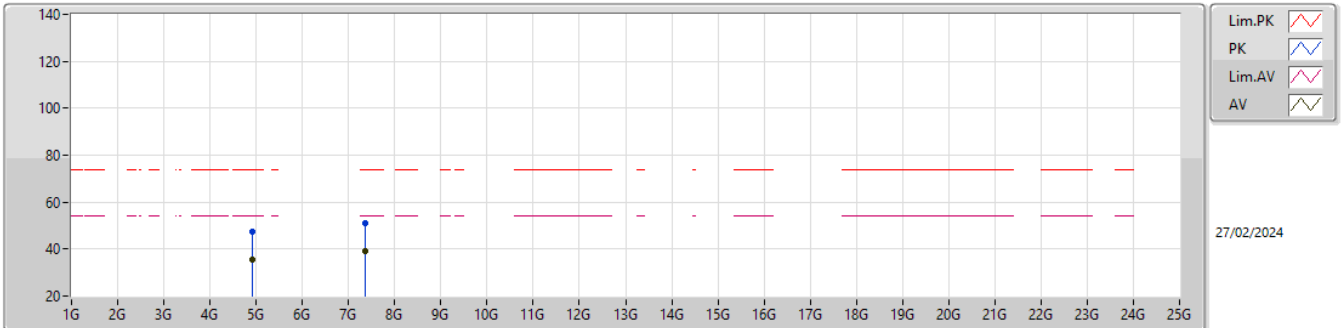


EUT\_Y\_2TX  
 Setting 16.5  
 03-P-5-4

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	4.90424G	49.36	74.00	-24.64	43.83	3	Vertical	336	2.21	-	33.42	6.87	34.76
AV	4.90435G	35.86	54.00	-18.14	30.33	3	Vertical	336	2.21	-	33.42	6.87	34.76
PK	7.35551G	51.52	74.00	-22.48	41.89	3	Vertical	292	1.21	-	36.90	8.08	35.35
AV	7.35556G	39.58	54.00	-14.42	29.95	3	Vertical	292	1.21	-	36.90	8.08	35.35

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

2452MHz\_TX



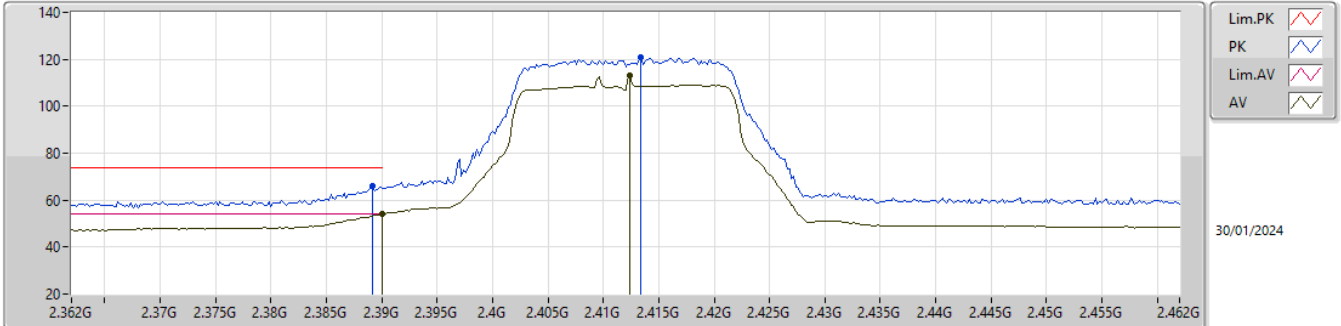
EUT\_Y\_2TX  
Setting 16.5  
03-P-5-4

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	4.90362G	47.42	74.00	-26.58	41.89	3	Horizontal	208	1.67	-	33.41	6.87	34.75
AV	4.90384G	35.41	54.00	-18.59	29.87	3	Horizontal	208	1.67	-	33.42	6.87	34.75
PK	7.35555G	50.78	74.00	-23.22	41.15	3	Horizontal	222	1.18	-	36.90	8.08	35.35
AV	7.35551G	38.92	54.00	-15.08	29.29	3	Horizontal	222	1.18	-	36.90	8.08	35.35



2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2412MHz\_TX

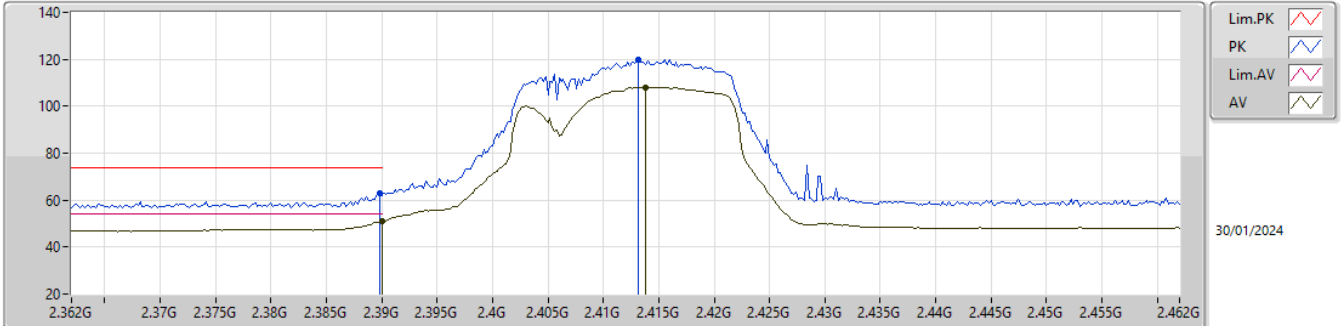


EUT\_Y\_2TX  
Setting 20  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	66.24	74.00	-7.76	35.49	3	Vertical	360	1.62	-	27.40	3.35	-
AV	2.39G	53.95	54.00	-0.05	23.20	3	Vertical	360	1.62	-	27.40	3.35	-
PK	2.4134G	120.71	Inf	-Inf	89.85	3	Vertical	360	1.62	-	27.50	3.36	-
AV	2.4124G	113.24	Inf	-Inf	82.38	3	Vertical	360	1.62	-	27.50	3.36	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2412MHz\_TX

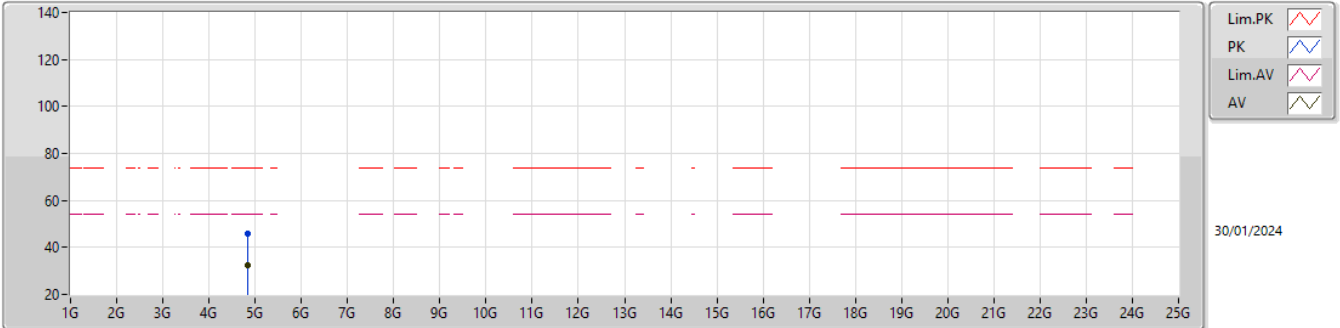


EUT\_Y\_2TX  
Setting 20  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	62.78	74.00	-11.22	32.03	3	Horizontal	324	1.77	-	27.40	3.35	-
AV	2.39G	51.05	54.00	-2.95	20.30	3	Horizontal	324	1.77	-	27.40	3.35	-
PK	2.4132G	120.02	Inf	-Inf	89.16	3	Horizontal	324	1.77	-	27.50	3.36	-
AV	2.4138G	108.10	Inf	-Inf	77.24	3	Horizontal	324	1.77	-	27.50	3.36	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2412MHz\_TX

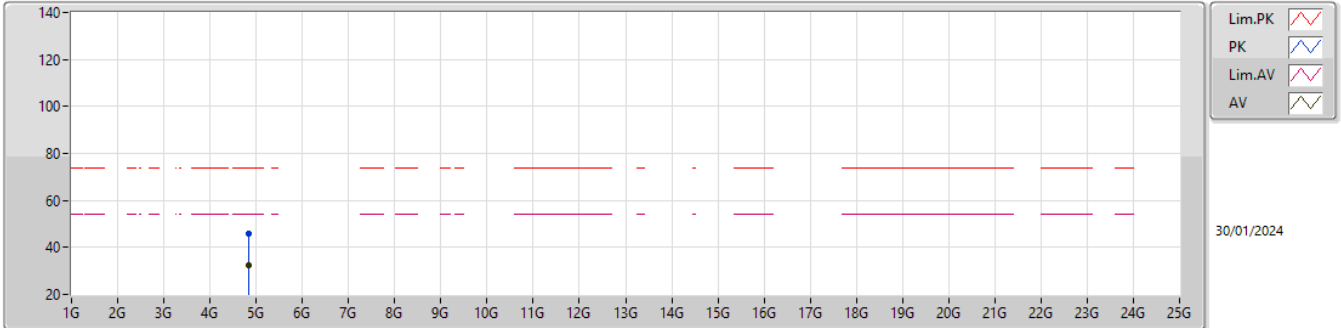


EUT\_Y\_2TX  
Setting 20  
02-C-G-4

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	4.8294G	45.78	74.00	-28.22	38.37	3	Vertical	114	2.23	-	32.98	5.10	30.67
AV	4.83108G	32.39	54.00	-21.61	24.97	3	Vertical	114	2.23	-	32.99	5.10	30.67

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2412MHz\_TX

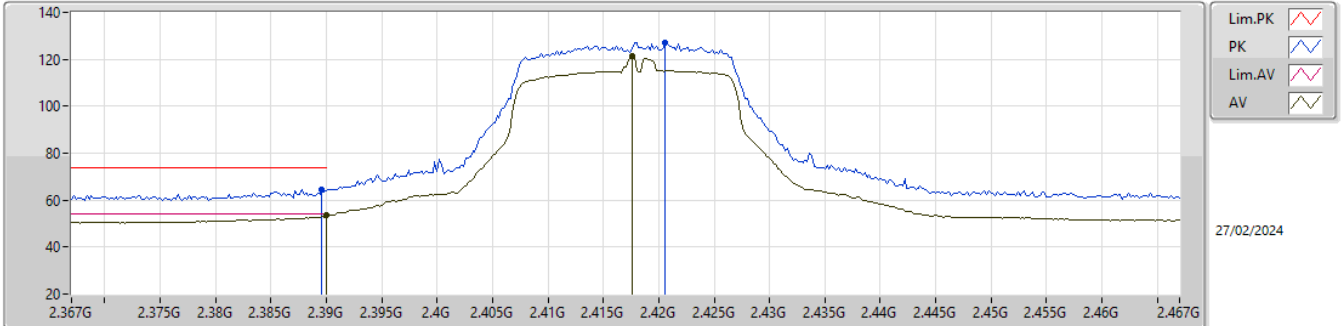


EUT\_Y\_2TX  
Setting 20  
02-C-G-4

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	4.83312G	45.74	74.00	-28.26	38.31	3	Horizontal	1	1.82	-	33.00	5.10	30.67
AV	4.8342G	32.38	54.00	-21.62	24.94	3	Horizontal	1	1.82	-	33.01	5.10	30.67

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2417MHz\_TX

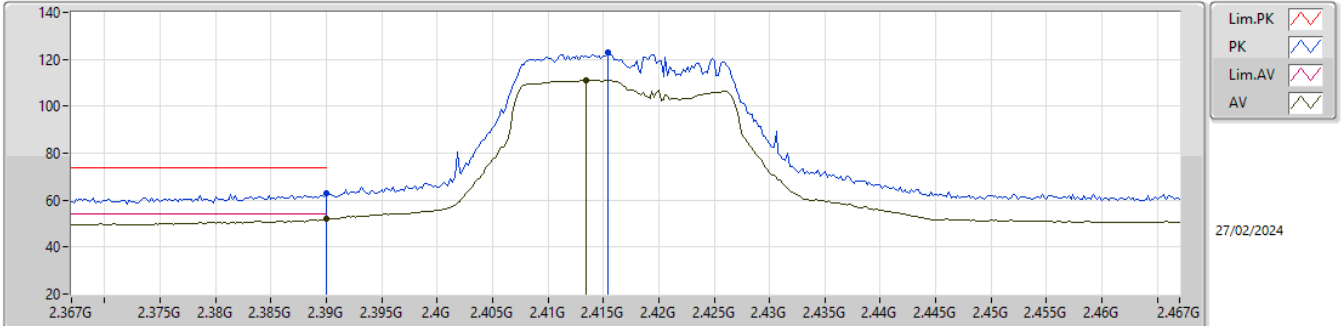


EUT\_Y\_2TX  
Setting 25  
03-P-5-4

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	64.52	74.00	-9.48	31.51	3	Vertical	-0	1.80	-	28.30	4.71	-
AV	2.39G	53.41	54.00	-0.59	20.40	3	Vertical	-0	1.80	-	28.30	4.71	-
PK	2.4206G	127.26	Inf	-Inf	94.24	3	Vertical	-0	1.80	-	28.30	4.72	-
AV	2.4176G	121.16	Inf	-Inf	88.14	3	Vertical	-0	1.80	-	28.30	4.72	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2417MHz\_TX

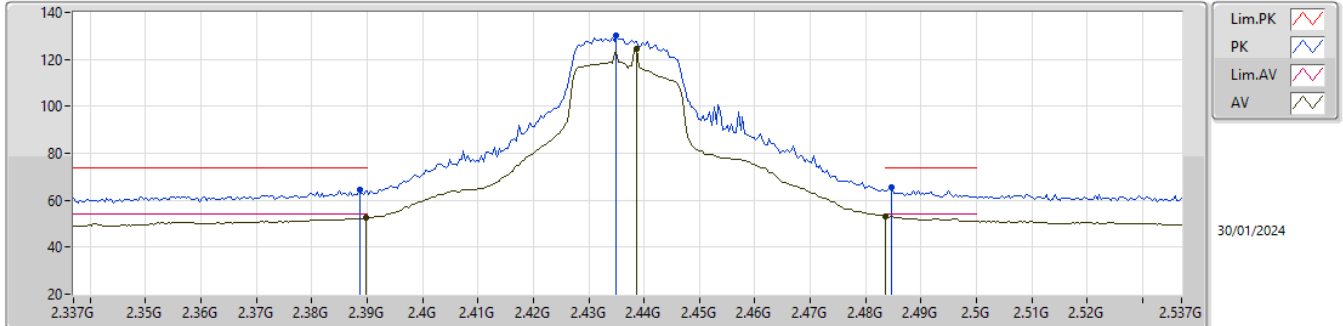


EUT\_Y\_2TX  
Setting 25  
03-P-5-4

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	62.73	74.00	-11.27	29.72	3	Horizontal	326	1.61	-	28.30	4.71	-
AV	2.39G	52.07	54.00	-1.93	19.06	3	Horizontal	326	1.61	-	28.30	4.71	-
PK	2.4154G	123.15	Inf	-Inf	90.13	3	Horizontal	326	1.61	-	28.30	4.72	-
AV	2.4134G	110.98	Inf	-Inf	77.96	3	Horizontal	326	1.61	-	28.30	4.72	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX

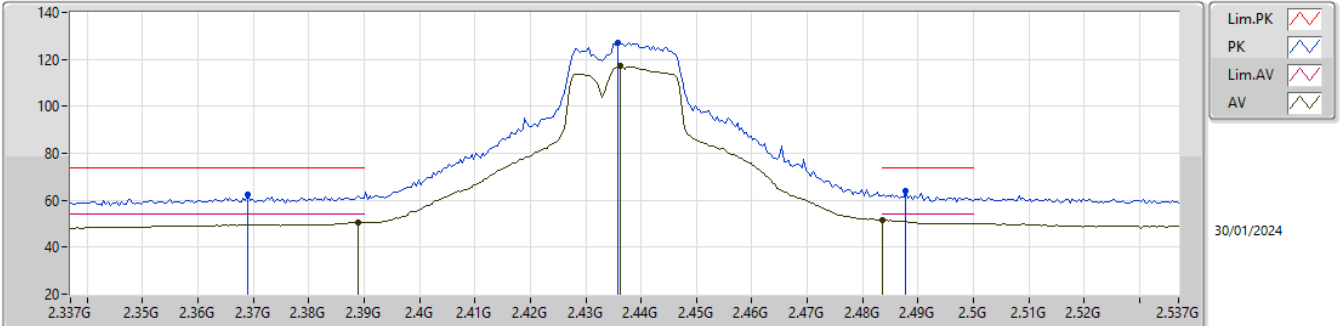


EUT\_Y\_2TX  
Setting 30  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	64.27	74.00	-9.73	33.52	3	Vertical	0	1.80	-	27.40	3.35	-
AV	2.3898G	52.54	54.00	-1.46	21.79	3	Vertical	0	1.80	-	27.40	3.35	-
PK	2.435G	130.00	Inf	-Inf	99.08	3	Vertical	0	1.80	-	27.55	3.37	-
AV	2.4386G	124.39	Inf	-Inf	93.43	3	Vertical	0	1.80	-	27.59	3.37	-
PK	2.4846G	65.47	74.00	-8.53	34.42	3	Vertical	0	1.80	-	27.65	3.40	-
AV	2.4835G	53.23	54.00	-0.77	22.19	3	Vertical	0	1.80	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX



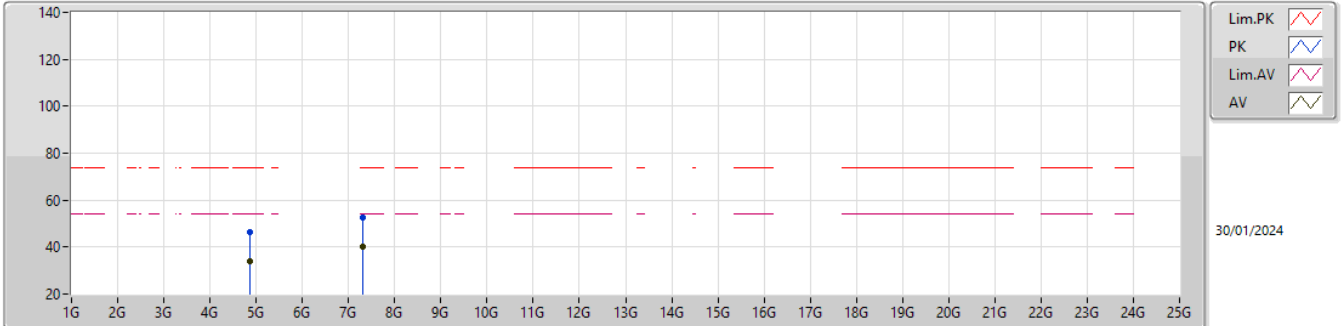
EUT\_Y\_2TX  
 Setting 30  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.369G	62.60	74.00	-11.40	31.77	3	Horizontal	330	2.26	-	27.49	3.34	-
AV	2.389G	50.49	54.00	-3.51	19.74	3	Horizontal	330	2.26	-	27.40	3.35	-
PK	2.4358G	127.16	Inf	-Inf	96.23	3	Horizontal	330	2.26	-	27.56	3.37	-
AV	2.4362G	117.06	Inf	-Inf	86.13	3	Horizontal	330	2.26	-	27.56	3.37	-
PK	2.4878G	63.88	74.00	-10.12	32.80	3	Horizontal	330	2.26	-	27.68	3.40	-
AV	2.4835G	51.55	54.00	-2.45	20.51	3	Horizontal	330	2.26	-	27.64	3.40	-



2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX

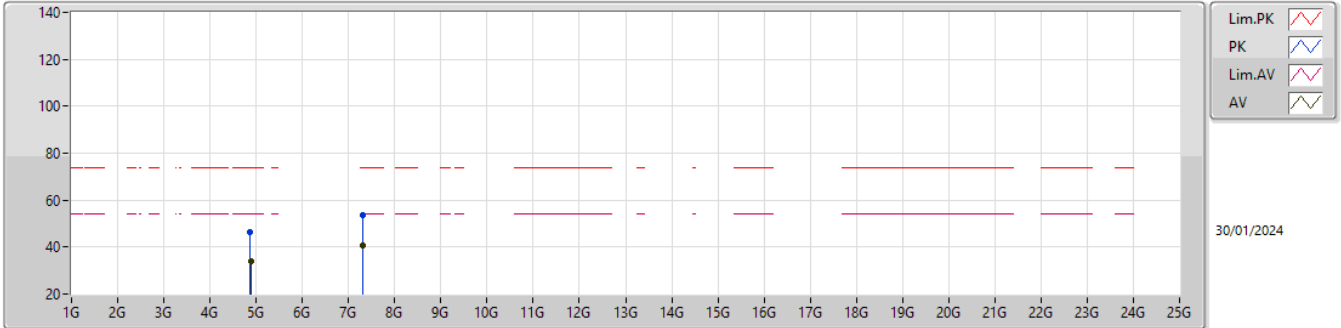


EUT\_Y\_2TX  
Setting 30  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86688G	46.62	74.00	-27.38	41.70	3	Vertical	263	1.80	-	32.47	5.71	33.26
AV	4.86752G	33.93	54.00	-20.07	29.01	3	Vertical	263	1.80	-	32.47	5.71	33.26
PK	7.3128G	52.75	74.00	-21.25	42.53	3	Vertical	35	1.77	-	37.20	7.12	34.10
AV	7.30108G	40.04	54.00	-13.96	29.81	3	Vertical	35	1.77	-	37.20	7.12	34.09

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX

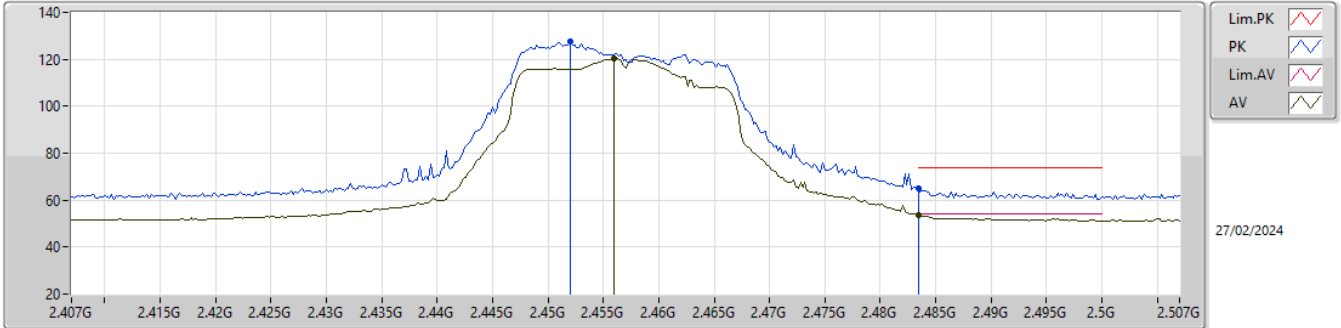


EUT\_Y\_2TX  
 Setting 30  
 04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87128G	46.45	74.00	-27.55	41.51	3	Horizontal	5	1.10	-	32.49	5.71	33.26
AV	4.8786G	34.17	54.00	-19.83	29.19	3	Horizontal	5	1.10	-	32.51	5.72	33.25
PK	7.31944G	53.81	74.00	-20.19	43.58	3	Horizontal	147	1.80	-	37.20	7.13	34.10
AV	7.3064G	40.51	54.00	-13.49	30.28	3	Horizontal	147	1.80	-	37.20	7.12	34.09

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2457MHz\_TX

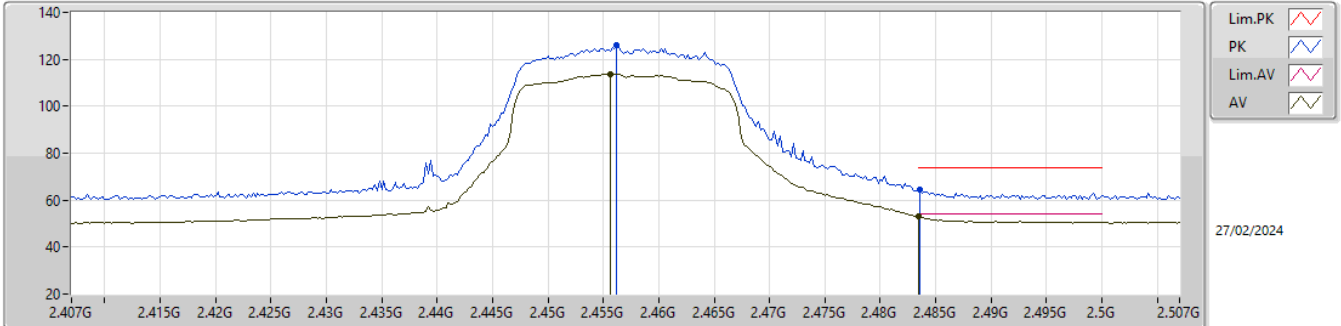


EUT\_Y\_2TX  
Setting 25  
03-P-5-4

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	2.452G	127.56	Inf	-Inf	94.58	3	Vertical	11	1.90	-	28.28	4.70	-
AV	2.456G	120.19	Inf	-Inf	87.25	3	Vertical	11	1.90	-	28.24	4.70	-
PK	2.4835G	64.79	74.00	-9.21	31.76	3	Vertical	11	1.90	-	28.34	4.69	-
AV	2.4835G	53.46	54.00	-0.54	20.43	3	Vertical	11	1.90	-	28.34	4.69	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2457MHz\_TX

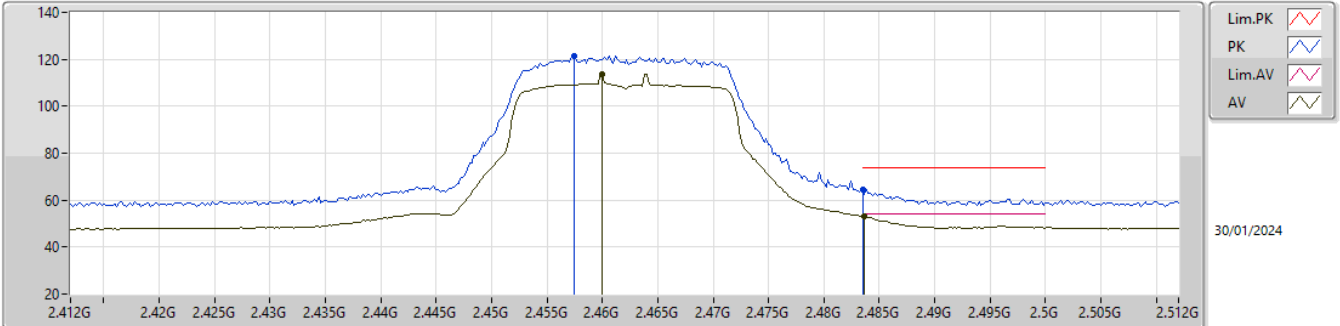


EUT\_Y\_2TX  
Setting 25  
03-P-5-4

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	2.4562G	126.02	Inf	-Inf	93.08	3	Horizontal	321	1.42	-	28.24	4.70	-
AV	2.4556G	113.64	Inf	-Inf	80.70	3	Horizontal	321	1.42	-	28.24	4.70	-
PK	2.4836G	64.43	74.00	-9.57	31.40	3	Horizontal	321	1.42	-	28.34	4.69	-
AV	2.4835G	52.88	54.00	-1.12	19.85	3	Horizontal	321	1.42	-	28.34	4.69	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2462MHz\_TX

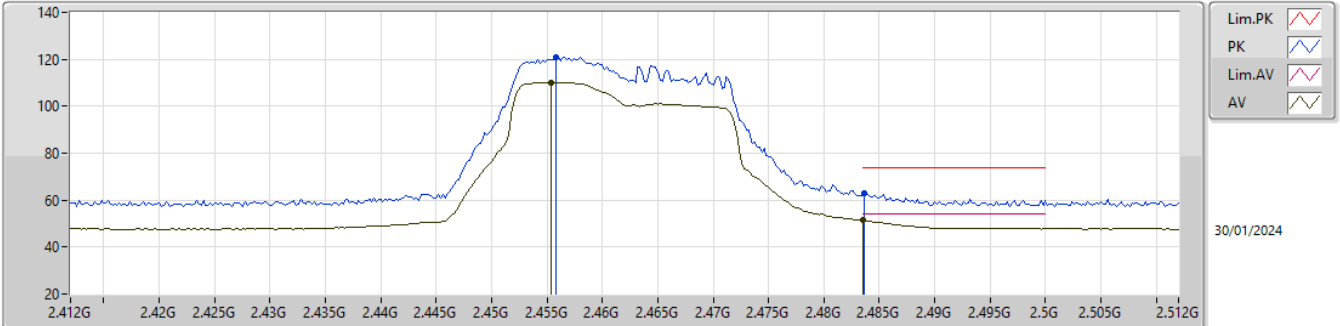


EUT\_Y\_2TX  
Setting 22  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4574G	121.62	Inf	-Inf	90.64	3	Vertical	360	1.10	-	27.60	3.38	-
AV	2.46G	113.85	Inf	-Inf	82.87	3	Vertical	360	1.10	-	27.60	3.38	-
PK	2.4835G	64.64	74.00	-9.36	33.60	3	Vertical	360	1.10	-	27.64	3.40	-
AV	2.4836G	52.92	54.00	-1.08	21.88	3	Vertical	360	1.10	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2462MHz\_TX

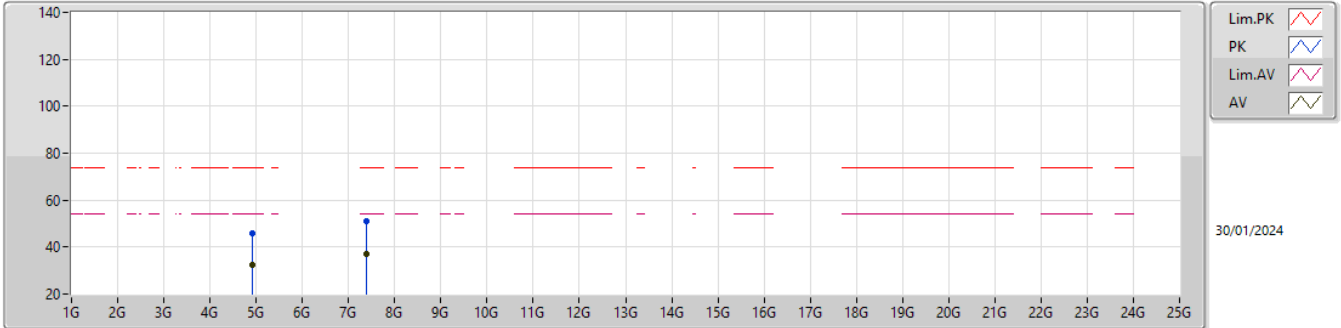


EUT\_Y\_2TX  
Setting 22  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4558G	120.95	Inf	-Inf	89.97	3	Horizontal	332	1.80	-	27.60	3.38	-
AV	2.4554G	110.25	Inf	-Inf	79.27	3	Horizontal	332	1.80	-	27.60	3.38	-
PK	2.4836G	63.13	74.00	-10.87	32.09	3	Horizontal	332	1.80	-	27.64	3.40	-
AV	2.4835G	51.36	54.00	-2.64	20.32	3	Horizontal	332	1.80	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2462MHz\_TX

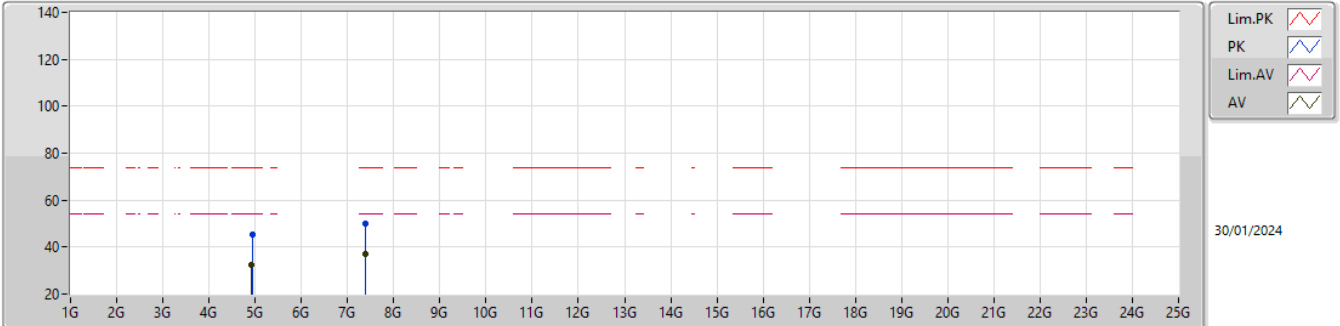


EUT\_Y\_2TX  
Setting 22  
02-C-G-4

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	4.9165G	45.83	74.00	-28.17	38.10	3	Vertical	176	2.51	-	33.23	5.12	30.62
AV	4.92292G	32.64	54.00	-21.36	24.87	3	Vertical	176	2.51	-	33.25	5.13	30.61
PK	7.39884G	50.92	74.00	-23.08	39.82	3	Vertical	208	2.02	-	36.70	6.56	32.16
AV	7.39446G	36.99	54.00	-17.01	25.89	3	Vertical	208	2.02	-	36.70	6.56	32.16

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2462MHz\_TX



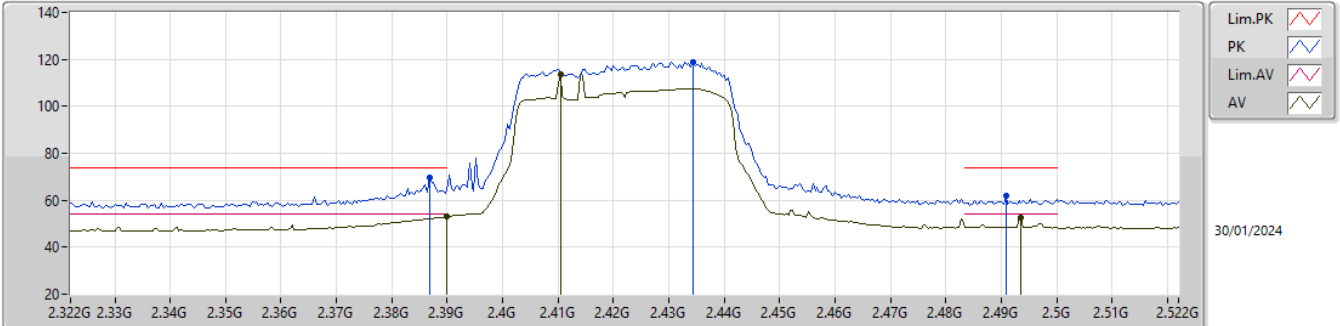
EUT\_Y\_2TX  
Setting 22  
02-C-G-4

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	4.93558G	45.54	74.00	-28.46	37.74	3	Horizontal	232	2.75	-	33.27	5.13	30.60
AV	4.9228G	32.52	54.00	-21.48	24.75	3	Horizontal	232	2.75	-	33.25	5.13	30.61
PK	7.37814G	49.93	74.00	-24.07	38.83	3	Horizontal	215	2.82	-	36.70	6.55	32.15
AV	7.3935G	36.99	54.00	-17.01	25.89	3	Horizontal	215	2.82	-	36.70	6.56	32.16



2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2422MHz\_TX

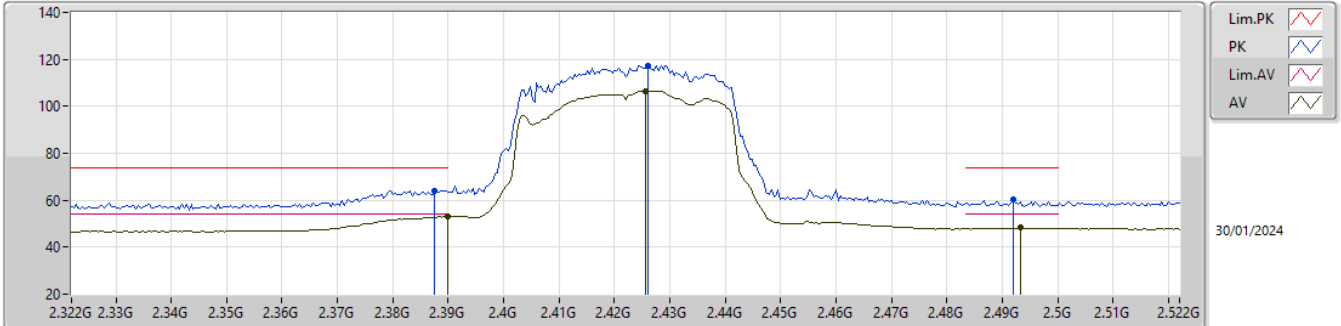


EUT\_Y\_2TX  
Setting 20  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	69.81	74.00	-4.19	39.07	3	Vertical	352	1.80	-	27.40	3.34	-
AV	2.39G	53.13	54.00	-0.87	22.38	3	Vertical	352	1.80	-	27.40	3.35	-
PK	2.4344G	119.01	Inf	-Inf	88.10	3	Vertical	352	1.80	-	27.54	3.37	-
AV	2.4104G	113.70	Inf	-Inf	82.84	3	Vertical	352	1.80	-	27.50	3.36	-
PK	2.4908G	61.79	74.00	-12.21	30.69	3	Vertical	352	1.80	-	27.70	3.40	-
AV	2.4936G	52.68	54.00	-1.32	21.58	3	Vertical	352	1.80	-	27.70	3.40	-

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2422MHz\_TX

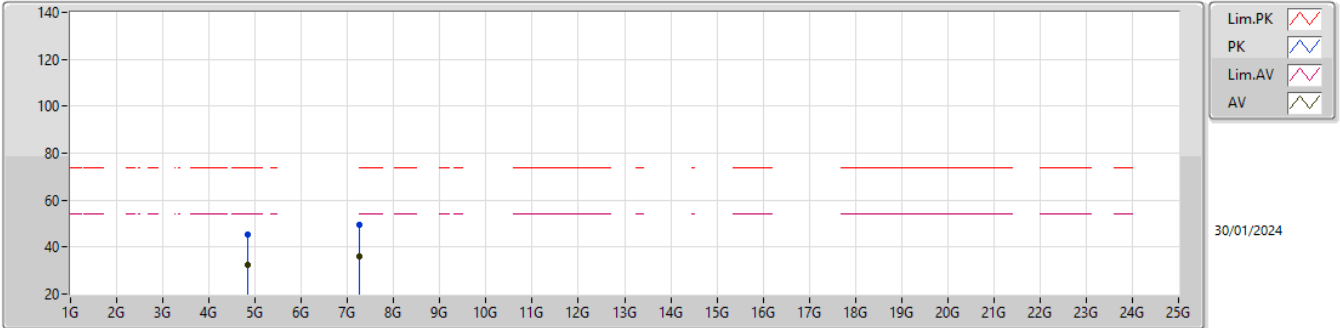


EUT\_Y\_2TX  
Setting 20  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3876G	64.07	74.00	-9.93	33.32	3	Horizontal	315	1.86	-	27.40	3.35	-
AV	2.39G	53.28	54.00	-0.72	22.53	3	Horizontal	315	1.86	-	27.40	3.35	-
PK	2.426G	117.45	Inf	-Inf	86.59	3	Horizontal	315	1.86	-	27.50	3.36	-
AV	2.4256G	106.49	Inf	-Inf	75.63	3	Horizontal	315	1.86	-	27.50	3.36	-
PK	2.492G	60.16	74.00	-13.84	29.06	3	Horizontal	315	1.86	-	27.70	3.40	-
AV	2.4932G	48.30	54.00	-5.70	17.20	3	Horizontal	315	1.86	-	27.70	3.40	-

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2422MHz\_TX

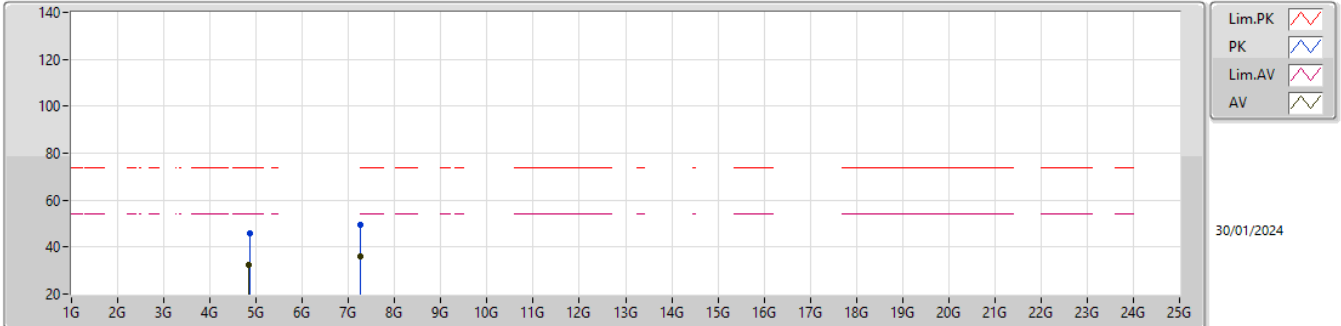


EUT\_Y\_2TX  
Setting 20  
02-C-G-4

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	4.84028G	45.27	74.00	-28.73	37.80	3	Vertical	68	2.36	-	33.04	5.10	30.67
AV	4.84442G	32.30	54.00	-21.70	24.79	3	Vertical	68	2.36	-	33.07	5.10	30.66
PK	7.2642G	49.60	74.00	-24.40	38.74	3	Vertical	147	1.31	-	36.46	6.49	32.09
AV	7.25508G	36.15	54.00	-17.85	25.33	3	Vertical	147	1.31	-	36.42	6.48	32.08

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2422MHz\_TX

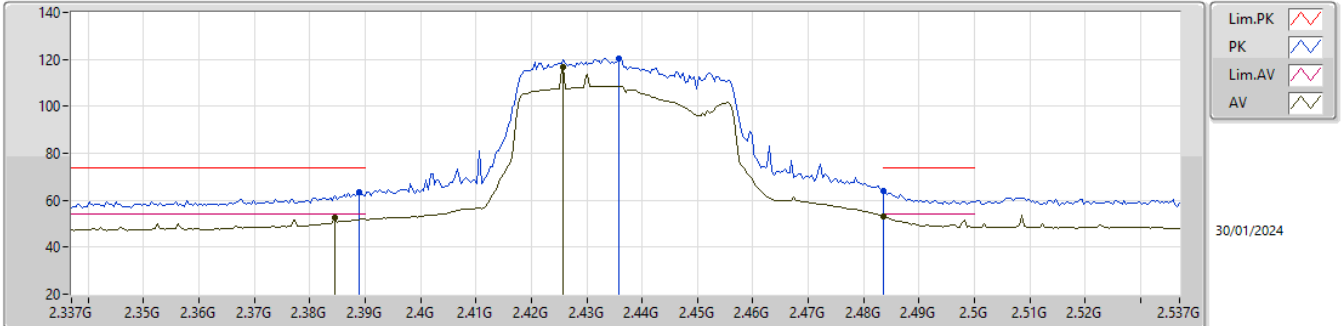


EUT\_Y\_2TX  
Setting 20  
02-C-G-4

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	4.85492G	45.76	74.00	-28.24	38.20	3	Horizontal	153	1.94	-	33.11	5.11	30.66
AV	4.83428G	32.31	54.00	-21.69	24.87	3	Horizontal	153	1.94	-	33.01	5.10	30.67
PK	7.25142G	49.48	74.00	-24.52	38.67	3	Horizontal	335	1.47	-	36.41	6.48	32.08
AV	7.25124G	36.15	54.00	-17.85	25.35	3	Horizontal	335	1.47	-	36.40	6.48	32.08

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX

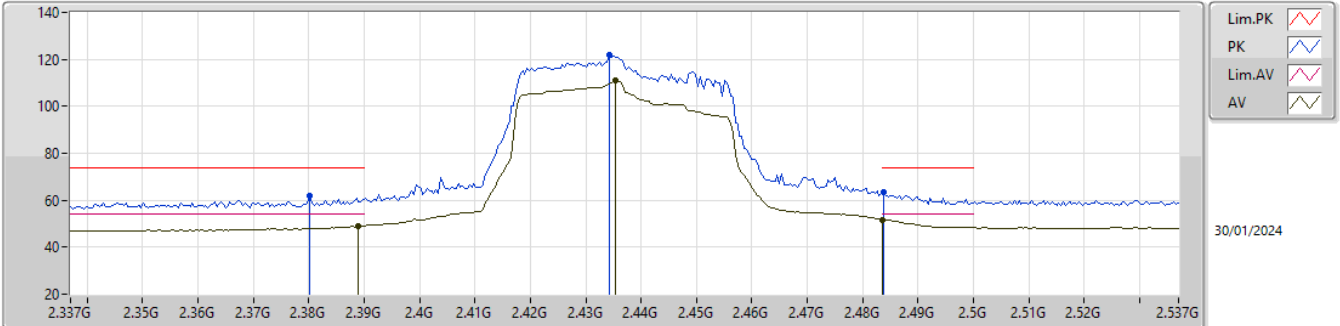


EUT\_Y\_2TX  
Setting 22  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	63.45	74.00	-10.55	32.70	3	Vertical	354	1.80	-	27.40	3.35	-
AV	2.3846G	52.65	54.00	-1.35	21.91	3	Vertical	354	1.80	-	27.40	3.34	-
PK	2.4358G	120.48	Inf	-Inf	89.55	3	Vertical	354	1.80	-	27.56	3.37	-
AV	2.4258G	116.52	Inf	-Inf	85.66	3	Vertical	354	1.80	-	27.50	3.36	-
PK	2.4835G	63.96	74.00	-10.04	32.92	3	Vertical	354	1.80	-	27.64	3.40	-
AV	2.4835G	53.07	54.00	-0.93	22.03	3	Vertical	354	1.80	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX

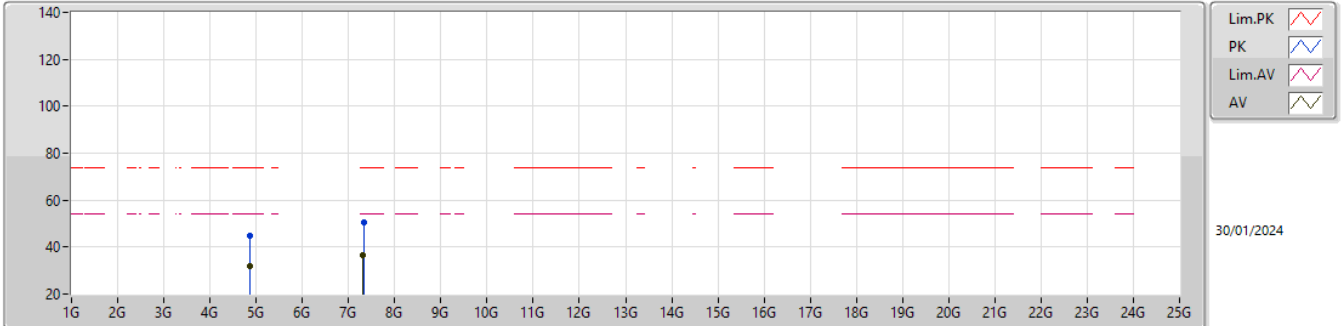


EUT\_Y\_2TX  
Setting 22  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3802G	61.78	74.00	-12.22	31.04	3	Horizontal	322	1.20	-	27.40	3.34	-
AV	2.389G	49.02	54.00	-4.98	18.27	3	Horizontal	322	1.20	-	27.40	3.35	-
PK	2.4342G	121.80	Inf	-Inf	90.89	3	Horizontal	322	1.20	-	27.54	3.37	-
AV	2.4354G	110.80	Inf	-Inf	79.88	3	Horizontal	322	1.20	-	27.55	3.37	-
PK	2.4838G	63.56	74.00	-10.44	32.52	3	Horizontal	322	1.20	-	27.64	3.40	-
AV	2.4835G	51.73	54.00	-2.27	20.69	3	Horizontal	322	1.20	-	27.64	3.40	-

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX

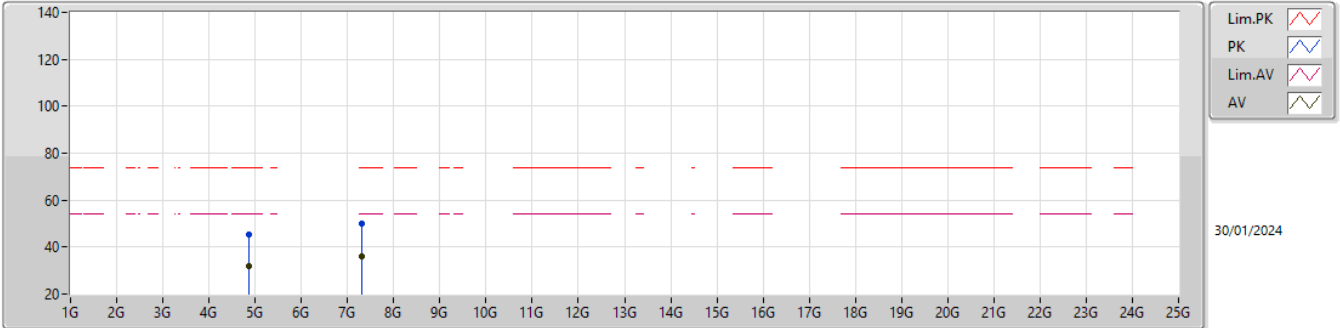


EUT\_Y\_2TX  
Setting 22  
02-C-G-4

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	4.8712G	45.04	74.00	-28.96	37.44	3	Vertical	105	1.64	-	33.14	5.11	30.65
AV	4.87162G	32.06	54.00	-21.94	24.45	3	Vertical	105	1.64	-	33.14	5.11	30.64
PK	7.32474G	50.29	74.00	-23.71	39.24	3	Vertical	250	2.85	-	36.65	6.52	32.12
AV	7.31898G	36.43	54.00	-17.57	25.39	3	Vertical	250	2.85	-	36.64	6.52	32.12

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2437MHz\_TX



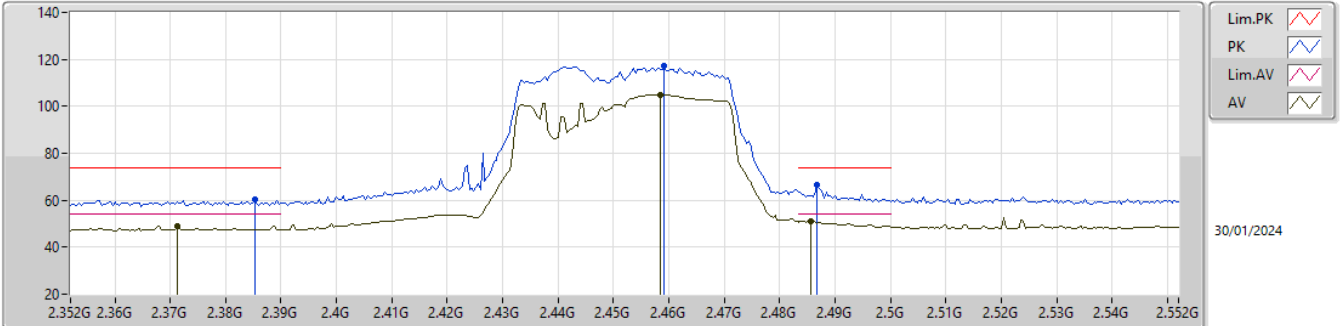
EUT\_Y\_2TX  
Setting 22  
02-C-G-4

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	4.87294G	45.33	74.00	-28.67	37.71	3	Horizontal	316	1.26	-	33.15	5.11	30.64
AV	4.87038G	31.91	54.00	-22.09	24.31	3	Horizontal	316	1.26	-	33.14	5.11	30.65
PK	7.31476G	49.78	74.00	-24.22	38.76	3	Horizontal	335	2.25	-	36.63	6.51	32.12
AV	7.31262G	36.22	54.00	-17.78	25.20	3	Horizontal	335	2.25	-	36.63	6.51	32.12



2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2452MHz\_TX

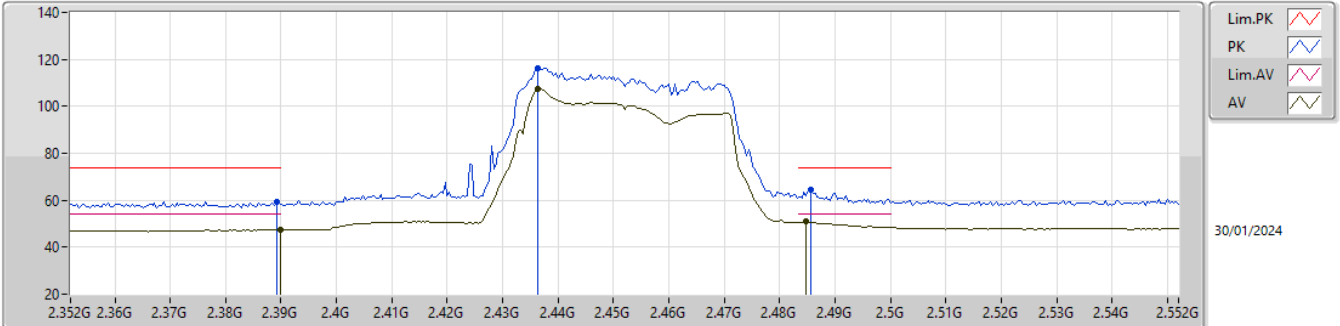


EUT\_Y\_2TX  
Setting 19  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	60.28	74.00	-13.72	29.54	3	Vertical	360	1.53	-	27.40	3.34	-
AV	2.3712G	48.99	54.00	-5.01	18.16	3	Vertical	360	1.53	-	27.49	3.34	-
PK	2.4592G	117.29	Inf	-Inf	86.31	3	Vertical	360	1.53	-	27.60	3.38	-
AV	2.4584G	104.97	Inf	-Inf	73.99	3	Vertical	360	1.80	-	27.60	3.38	-
PK	2.4868G	66.54	74.00	-7.46	35.47	3	Vertical	360	1.53	-	27.67	3.40	-
AV	2.4856G	51.20	54.00	-2.80	20.14	3	Vertical	360	1.53	-	27.66	3.40	-

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2452MHz\_TX

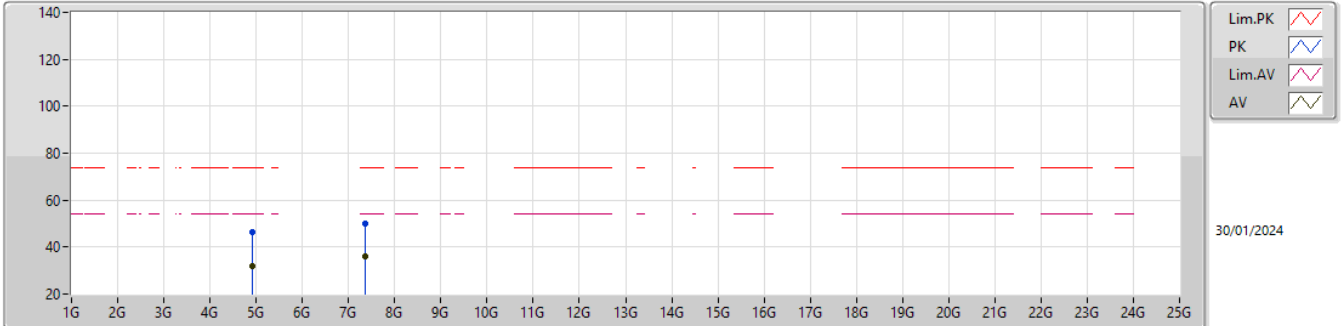


EUT\_Y\_2TX  
Setting 19  
04-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	59.53	74.00	-14.47	28.78	3	Horizontal	326	2.05	-	27.40	3.35	-
AV	2.39G	47.26	54.00	-6.74	16.51	3	Horizontal	326	2.05	-	27.40	3.35	-
PK	2.4364G	116.35	Inf	-Inf	85.42	3	Horizontal	326	2.05	-	27.56	3.37	-
AV	2.4364G	107.24	Inf	-Inf	76.31	3	Horizontal	326	2.05	-	27.56	3.37	-
PK	2.4856G	64.42	74.00	-9.58	33.36	3	Horizontal	326	2.05	-	27.66	3.40	-
AV	2.4848G	50.79	54.00	-3.21	19.74	3	Horizontal	326	2.05	-	27.65	3.40	-

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2452MHz\_TX

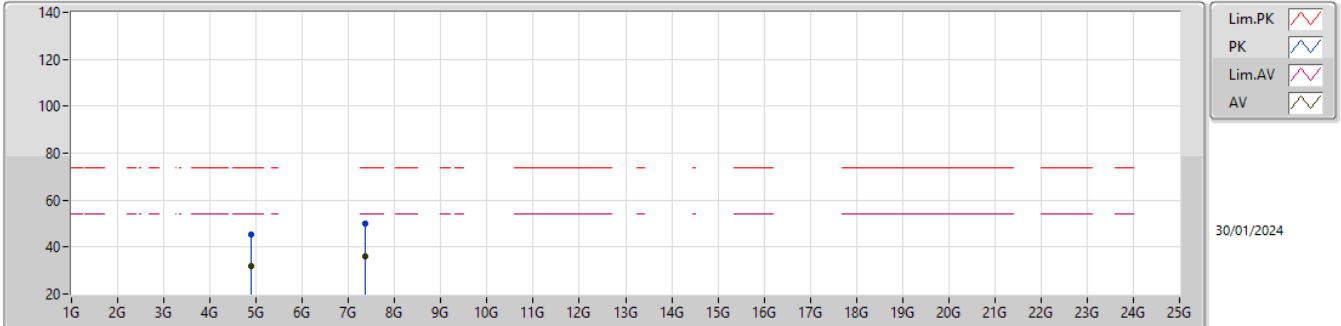


EUT\_Y\_2TX  
Setting 19  
02-C-G-4

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	4.90866G	46.26	74.00	-27.74	38.54	3	Vertical	194	1.31	-	33.22	5.12	30.62
AV	4.9045G	32.03	54.00	-21.97	24.32	3	Vertical	194	1.31	-	33.21	5.12	30.62
PK	7.35658G	50.00	74.00	-24.00	38.90	3	Vertical	133	1.44	-	36.70	6.54	32.14
AV	7.35466G	36.22	54.00	-17.78	25.12	3	Vertical	133	1.44	-	36.70	6.54	32.14

2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2452MHz\_TX



EUT\_Y\_2TX  
Setting 19  
02-C-G-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	4.89984G	45.56	74.00	-28.44	37.87	3	Horizontal	355	1.12	-	33.20	5.12	30.63
AV	4.90294G	32.09	54.00	-21.91	24.38	3	Horizontal	355	1.12	-	33.21	5.12	30.62
PK	7.35854G	49.90	74.00	-24.10	38.80	3	Horizontal	342	1.62	-	36.70	6.54	32.14
AV	7.35802G	36.28	54.00	-17.72	25.18	3	Horizontal	342	1.62	-	36.70	6.54	32.14