

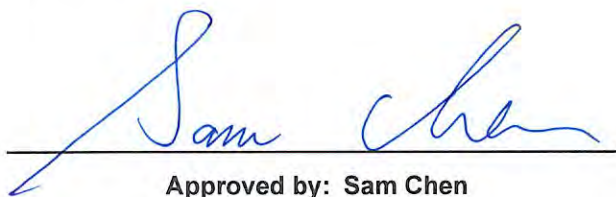


# RADIO TEST REPORT

**FCC ID** : RAXCR1000B  
**Equipment** : Verizon Router  
**Brand Name** : Verizon  
**Model Name** : CR1000B  
**Applicant** : Arcadyan Technology Corporation  
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan  
**Manufacturer** : Arcadyan Technology Corporation  
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Dec. 14, 2021, and testing was started from Dec. 14, 2021 and completed on Jun. 07, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

  
Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

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



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## History of this test report

TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB-A10\_10 Ver1.3

Page Number : 3 of 35  
Issued Date : Jul. 21, 2022  
Report Version : 01



## 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               | -      |

**Declaration of Conformity:**

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Sam Chen****Report Producer: Penny Kao**

# 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),<br>ax (HEW20) | 2412-2462           | 1-11 [11]      |
| 2400-2483.5           | n (HT40), ax (HEW40)          | 2422-2452           | 3-9 [7]        |

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

**Note:**

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- 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    | P/N           | Antenna Type | Connector | Gain (dBi) |
|------|-------------|-----------|---------------|-----------|----------|---------------|--------------|-----------|------------|
|      | WLAN 2.4GHz | WLAN 5GHz |               | WLAN 6GHz |          |               |              |           |            |
|      |             | UNII1~3   | DFS UNII2A~2C |           |          |               |              |           |            |
| 1    | 1           | 4         | -             | -         | Arcadyan | 120800098100J | PCB Antenna  | I-PEX     | Note1      |
| 2    | 2           | 3         | -             | -         | Arcadyan | 120800098200J | PCB Antenna  | I-PEX     |            |
| 3    | 3           | 2         | -             | -         | Arcadyan | 120800098300J | PCB Antenna  | I-PEX     |            |
| 4    | 4           | 1         | -             | -         | Arcadyan | 120800098400J | PCB Antenna  | I-PEX     |            |
| 5    | -           | -         | -             | 1         | Arcadyan | 120800098700J | PCB Antenna  | I-PEX     |            |
| 6    | -           | -         | -             | 2         | Arcadyan | 120800098800J | PCB Antenna  | I-PEX     |            |
| 7    | -           | -         | -             | 3         | Arcadyan | 120800098500J | PCB Antenna  | I-PEX     |            |
| 8    | -           | -         | -             | 4         | Arcadyan | 120800098600J | PCB Antenna  | I-PEX     |            |
| 9    | -           | -         | 1             | -         | Arcadyan | 120800104000J | PCB Antenna  | I-PEX     |            |

Note1:

<Antenna Gain>

| Ant. | Port        |           |               |           | Gain (dBi)  |           |               |           |        |        |        |  |
|------|-------------|-----------|---------------|-----------|-------------|-----------|---------------|-----------|--------|--------|--------|--|
|      | WLAN 2.4GHz | WLAN 5GHz |               | WLAN 6GHz | WLAN 2.4GHz | WLAN 5GHz |               | WLAN 6GHz |        |        |        |  |
|      |             | UNII1~3   | DFS UNII2A~2C |           |             | UNII1~3   | DFS UNII2A~2C | UNII 5    | UNII 6 | UNII 7 | UNII 8 |  |
| 1    | 1           | 4         | -             | -         | 1.8         | 2.6       | -             | -         | -      | -      | -      |  |
| 2    | 2           | 3         | -             | -         | 3.2         | 2.3       | -             | -         | -      | -      | -      |  |
| 3    | 3           | 2         | -             | -         | 2.8         | 3.5       | -             | -         | -      | -      | -      |  |
| 4    | 4           | 1         | -             | -         | 3.8         | 2.5       | -             | -         | -      | -      | -      |  |
| 5    | -           | -         | -             | 1         | -           | -         | -             | 4.18      | 3.86   | 2.19   | 3.24   |  |
| 6    | -           | -         | -             | 2         | -           | -         | -             | 4.96      | 4.19   | 3.17   | 3.19   |  |
| 7    | -           | -         | -             | 3         | -           | -         | -             | 3.47      | 3.24   | 3.40   | 3.06   |  |
| 8    | -           | -         | -             | 4         | -           | -         | -             | 4.13      | 3.66   | 2.47   | 2.73   |  |
| 9    | -           | -         | 1             | -         | -           | -         | 3.8           | -         | -      | -      | -      |  |

<For WLAN 6GHz Directional Gain>

| Directional Gain (dBi) |                  |                  |                  |                  |
|------------------------|------------------|------------------|------------------|------------------|
| Item                   | WLAN 6GHz UNII 5 | WLAN 6GHz UNII 6 | WLAN 6GHz UNII 7 | WLAN 6GHz UNII 8 |
| 4T1S                   | 5.46             | 5.09             | 5.36             | 4.97             |

Note2: The above information (excepting WLAN 6GHz antenna gain) was declared by manufacturer.

Note3: WLAN 6GHz directional gain is measured which follows the procedure of KDB 662911 D03.

The antenna report is provided in the operational description for this application.

Note4: The antenna 9 which has the receiving function only is used for zero wait or interference detection.

Note5: The EUT has nine antennas.

<WLAN 2.4GHz function>

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

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

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

<WLAN 5GHz function>

**UNII1~3**

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

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

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

**UNII 2A~2C DFS Band**

Only Port 1 can receive

**<WLAN 6GHz function>**
**For IEEE 802.11ax mode (4TX/4RX)**

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

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

**Note6:**
**<For WLAN 2.4GHz and WLAN 5GHz Directional Gain>**

| Type   | Maximum Output Power                                                                                                                                | Power Spectral Density                                                                                                                |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Non-BF | Directional gain = Max.gain + array gain.<br>For power measurements on IEEE 802.11 devices<br>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 :

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

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

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

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

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

Where ;

G1 = Ant 1 Gain ; G2 = Ant 2 Gain ; G3 = Ant 3 Gain ; G4 = Ant 4 Gain ;

2.4GHz DG = 8.95 dBi

5 GHz U-NII-1 DG = 8.76 dBi

5 GHz U-NII-2A DG = 8.76 dBi

5 GHz U-NII-2C DG = 8.76 dBi

5 GHz U-NII-3 DG = 8.76 dBi



### 1.1.3 Mode Test Duty Cycle

#### Non-beamforming mode

| Mode           | DC    | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|----------------|-------|---------|----------------------|----------------------|
| 802.11b        | 0.999 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11g        | 1     | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW20 | 1     | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW40 | 1     | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

#### Beamforming mode

| Mode              | DC | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|-------------------|----|---------|----------------------|----------------------|
| 802.11ax HEW20-BF | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW40-BF | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

Note:

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

### 1.1.4 EUT Operational Condition

|                       |                                                                                          |                     |                          |                     |
|-----------------------|------------------------------------------------------------------------------------------|---------------------|--------------------------|---------------------|
| EUT Power Type        | From Power Adapter                                                                       |                     |                          |                     |
| Beamforming Function  | <input checked="" type="checkbox"/>                                                      | With beamforming    | <input type="checkbox"/> | Without beamforming |
|                       | The product has beamforming function for ax in 2.4GHz, 11n/ac/ax in 5GHz and ax in 6GHz. |                     |                          |                     |
| Function              | <input checked="" type="checkbox"/>                                                      | Point-to-multipoint | <input type="checkbox"/> | Point-to-point      |
| Test Software Version | DUT GUI V610.59 / DOS V10.0.19043.1320 / Intel GUI(version 610.59)                       |                     |                          |                     |

Note: The above information was declared by manufacturer.

### 1.1.5 Table for EUT Information

| External Type of EUT | Color of tick | Position of tick            | Remark                                |
|----------------------|---------------|-----------------------------|---------------------------------------|
| 1                    | Gray          | In the middle of the case   | The internal of the EUT is identical. |
| 2                    | Red           | The lower right of the case |                                       |

Note: The above information was declared by manufacturer.





### 1.1.6 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

### 1.2 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<br>(°C / %) | Test Date                       |
|-------------------------------------------------------|---------------|---------------|------------------------------|---------------------------------|
| RF Conducted                                          | TH01-CB       | Owen Hsu      | 19.6~20.5 / 61~65            | Feb. 25, 2022~<br>May 21, 2022  |
| Radiated<br>(CTX Below 1GHz and<br>Co-location tests) | 03CH03-CB     | Kevin Huang   | 23.5-24.6 / 55-59            | Dec. 14, 2021~<br>Mar. 14, 2022 |
| Radiated<br>(For other tests)                         | 03CH06-CB     | Kevin Huang   | 24.5-25.6 / 56-59            | Dec. 14, 2021~<br>Mar. 14, 2022 |
| AC Conduction                                         | CO01-CB       | Ryan Huang    | 20~22 / 56~58                | Jun. 07, 2022                   |

### 1.3 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)     | 4.2 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 5.5 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 4.7 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 4.2 dB      | Confidence levels of 95% |
| Conducted Emission                   | 2.5 dB      | Confidence levels of 95% |
| Output Power Measurement             | 1.3 dB      | Confidence levels of 95% |
| Power Density Measurement            | 2.5 dB      | Confidence levels of 95% |
| Bandwidth Measurement                | 0.9%        | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

#### Non-beamforming mode

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_4TX       | -             |
| 2412MHz                        | 24            |
| 2417MHz                        | 24            |
| 2437MHz                        | 24.5          |
| 2457MHz                        | 24            |
| 2462MHz                        | 23            |
| 802.11g_Nss1,(6Mbps)_4TX       | -             |
| 2412MHz                        | 22            |
| 2417MHz                        | 23            |
| 2437MHz                        | 25.5          |
| 2457MHz                        | 23.5          |
| 2462MHz                        | 21            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -             |
| 2412MHz                        | 21            |
| 2417MHz                        | 22            |
| 2437MHz                        | 26            |
| 2457MHz                        | 22            |
| 2462MHz                        | 19.5          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -             |
| 2422MHz                        | 19.5          |
| 2437MHz                        | 20            |
| 2452MHz                        | 18.5          |

**Beamforming mode**

| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -             |
| 2412MHz                           | 53            |
| 2417MHz                           | 54            |
| 2437MHz                           | 54            |
| 2457MHz                           | 54            |
| 2462MHz                           | 52            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -             |
| 2422MHz                           | 48            |
| 2427MHz                           | 51            |
| 2437MHz                           | 54            |
| 2447MHz                           | 51            |
| 2452MHz                           | 50            |

**Note:**

- ♦ Evaluated HEW20/HEW40 mode only due to the similar modulation.  
The power setting of HT20/HT40 mode are 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<br>Test Voltage: 120Vac / 60Hz |
| <b>Operating Mode</b>                                                         | Normal Link                                                                             |
| 1                                                                             | EUT_WLAN 2.4GHz + Adapter                                                               |
| 2                                                                             | EUT_WLAN 5GHz + Adapter                                                                 |
| 3                                                                             | EUT_WLAN 6GHz + Adapter                                                                 |
| For operating mode 1 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<br>Maximum Conducted Output Power<br>Power Spectral Density<br>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<br>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                                                                                                                                                                                                                                                                        |
|                                                                               | The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement above 1GHz test, and the worst case was found at X axis for WLAN 2.4GHz & WLAN 5GHz tests and Y axis for WLAN 6GHz test. So the measurement will follow this same test configuration. |
|                                                                               | 1 EUT in X axis_ WLAN 2.4GHz                                                                                                                                                                                                                                               |
|                                                                               | 2 EUT in X axis_ WLAN 5GHz                                                                                                                                                                                                                                                 |
|                                                                               | 3 EUT in Y axis_ WLAN 6GHz                                                                                                                                                                                                                                                 |
| For operating mode 3 is the worst case and it was record in this test report. |                                                                                                                                                                                                                                                                            |
| <b>Operating Mode &gt; 1GHz</b>                                               | CTX                                                                                                                                                                                                                                                                        |
|                                                                               | The EUT was performed at X axis, Y axis and Z axis position. The worst case as below:                                                                                                                                                                                      |
|                                                                               | 1 EUT in X axis (Bandedge)                                                                                                                                                                                                                                                 |
|                                                                               | 2 EUT in Y axis (Harmonic)                                                                                                                                                                                                                                                 |

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

| The Worst Case Mode for Following Conformance Tests                                |                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                  | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| <b>Operating Mode</b>                                                              |                                                                         |
| 1                                                                                  | WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz                                     |
| Refer to Sporton Test Report No.: FA1D1668 for Co-location RF Exposure Evaluation. |                                                                         |

## 2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 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 10.0.19043.1320].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



## 2.4 Accessories

| Accessories                     |                |              |              |                                                             |
|---------------------------------|----------------|--------------|--------------|-------------------------------------------------------------|
| No.                             | Equipment Name | Brand Name   | Model Name   | Rating                                                      |
| 1                               | Adapter        | LUCENT TRANS | 1A98-1250-02 | INPUT: 100-120V~1.6A, 50-60Hz<br>OUTPUT: 12.0V, 5.0A, 60.0W |
| Others                          |                |              |              |                                                             |
| RJ-45 cable*1: Non-shielded, 2m |                |              |              |                                                             |

## 2.5 Support Equipment

For AC Conduction:

| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| A                 | LAN NB    | DELL       | E6430      | N/A    |

For Radiated (below 1GHz):

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

Non-beamforming mode

For Radiated (above 1GHz) and RF Conducted:

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

Beamforming mode

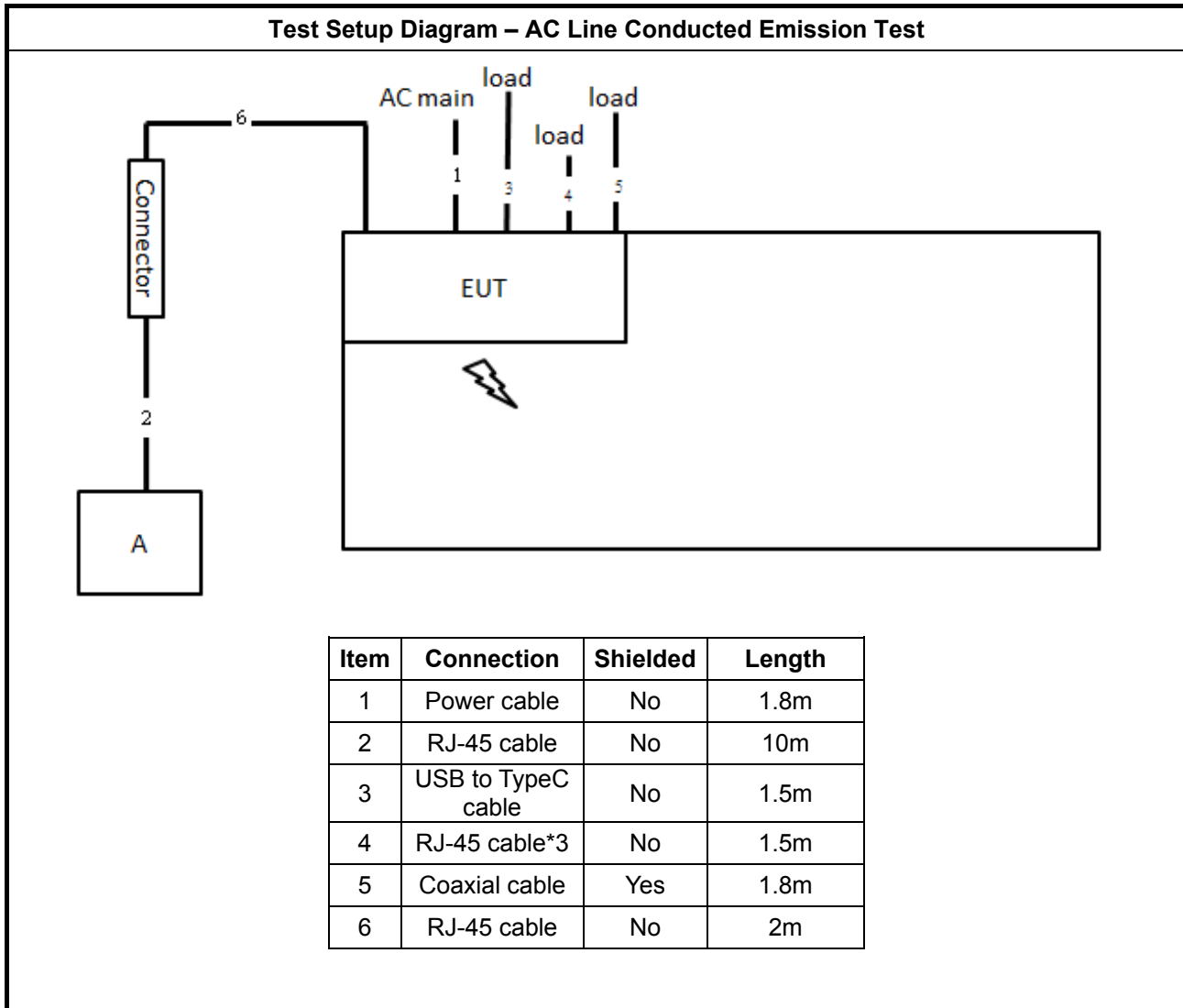
For Radiated (above 1GHz)

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

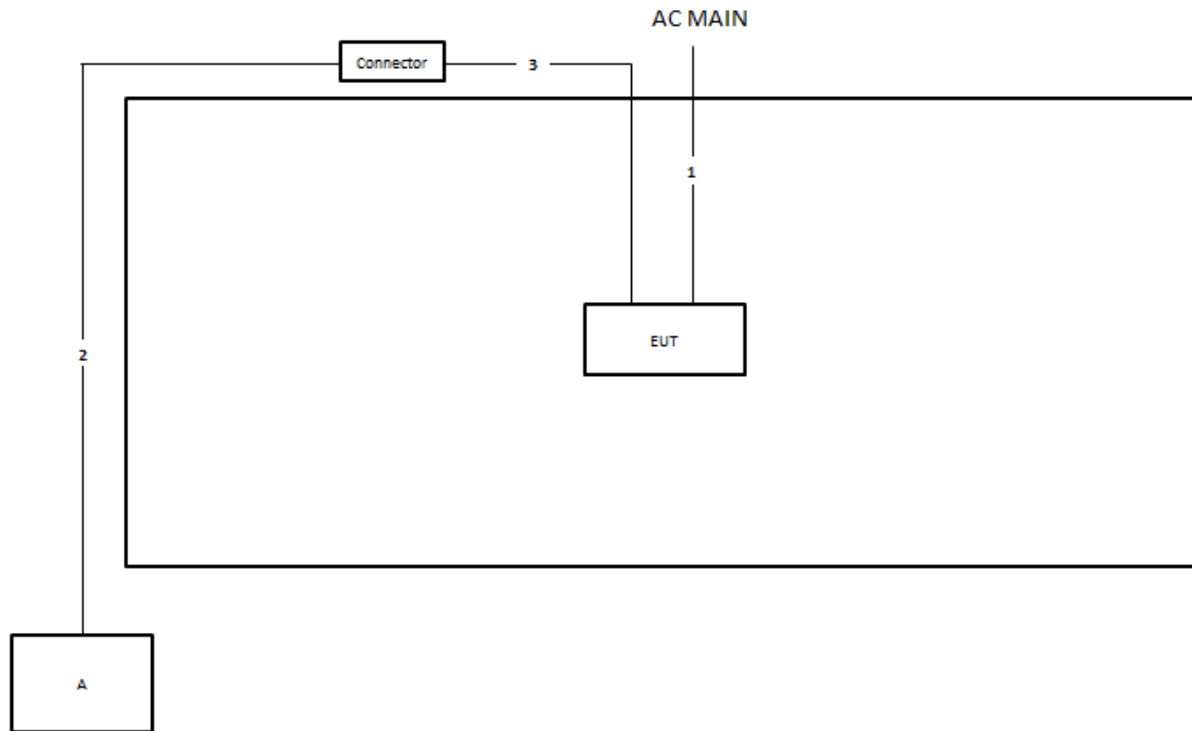
For RF Conducted:

| Support Equipment |             |            |            |            |
|-------------------|-------------|------------|------------|------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID     |
| A                 | Notebook    | DELL       | E4300      | N/A        |
| B                 | Notebook    | Lenovo     | L440       | N/A        |
| C                 | WLAN module | Intel      | AX210NGW   | PD9AX210NG |

## 2.6 Test Setup Diagram

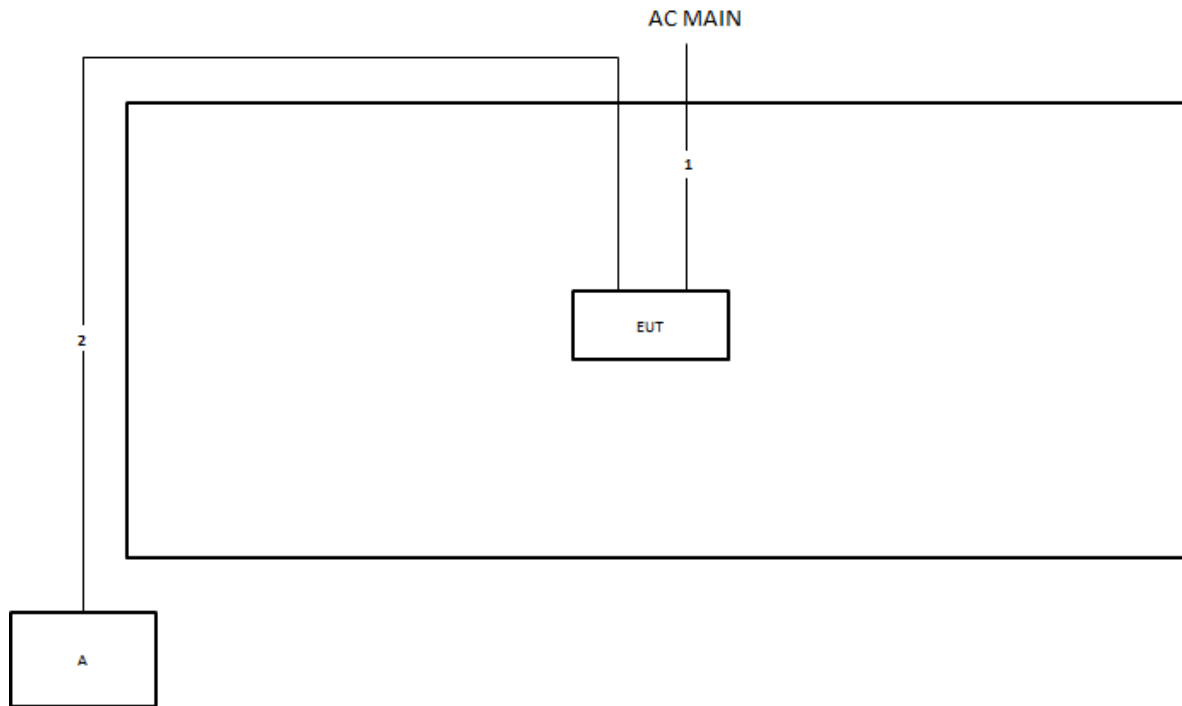




**Test Setup Diagram - Radiated Test < 1GHz**


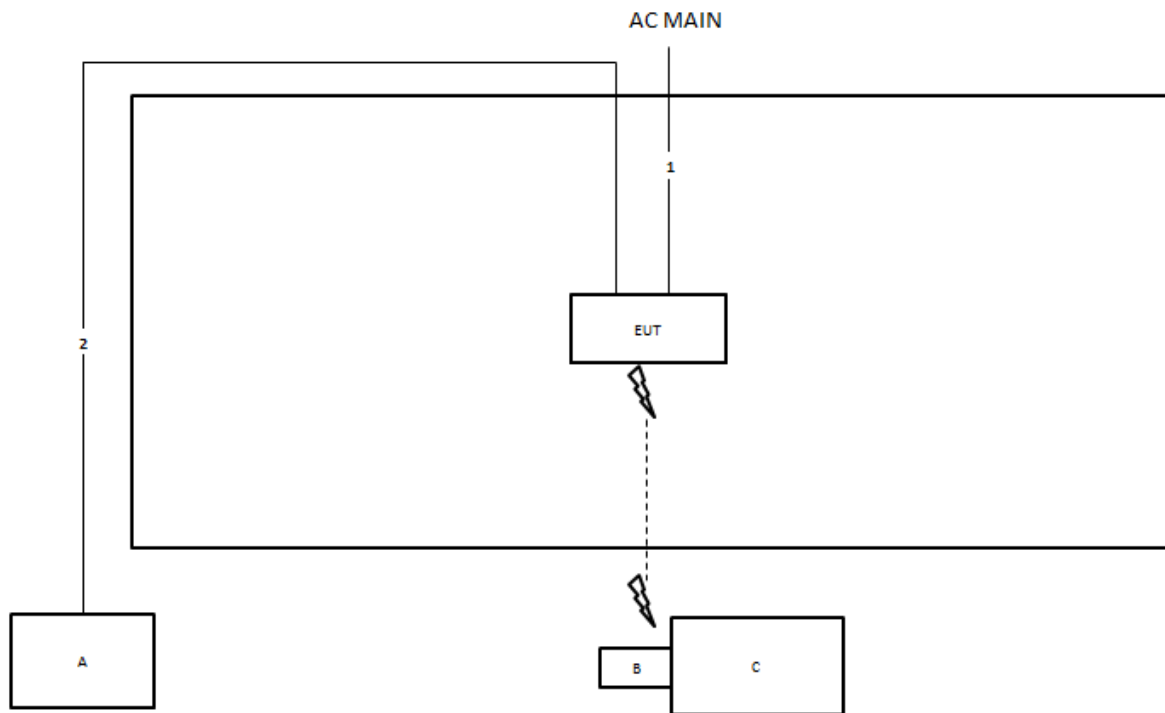
| Item | Connection  | Shielded | Length |
|------|-------------|----------|--------|
| 1    | Power cable | No       | 1.8m   |
| 2    | RJ-45 cable | No       | 10m    |
| 3    | RJ-45 cable | No       | 2m     |

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



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

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



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



### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

| AC Power-line Conducted Emissions Limit |            |           |
|-----------------------------------------|------------|-----------|
| Frequency Emission (MHz)                | Quasi-Peak | Average   |
| 0.15-0.5                                | 66 - 56 *  | 56 - 46 * |
| 0.5-5                                   | 56         | 46        |
| 5-30                                    | 60         | 50        |

Note 1: \* Decreases with the logarithm of the frequency.

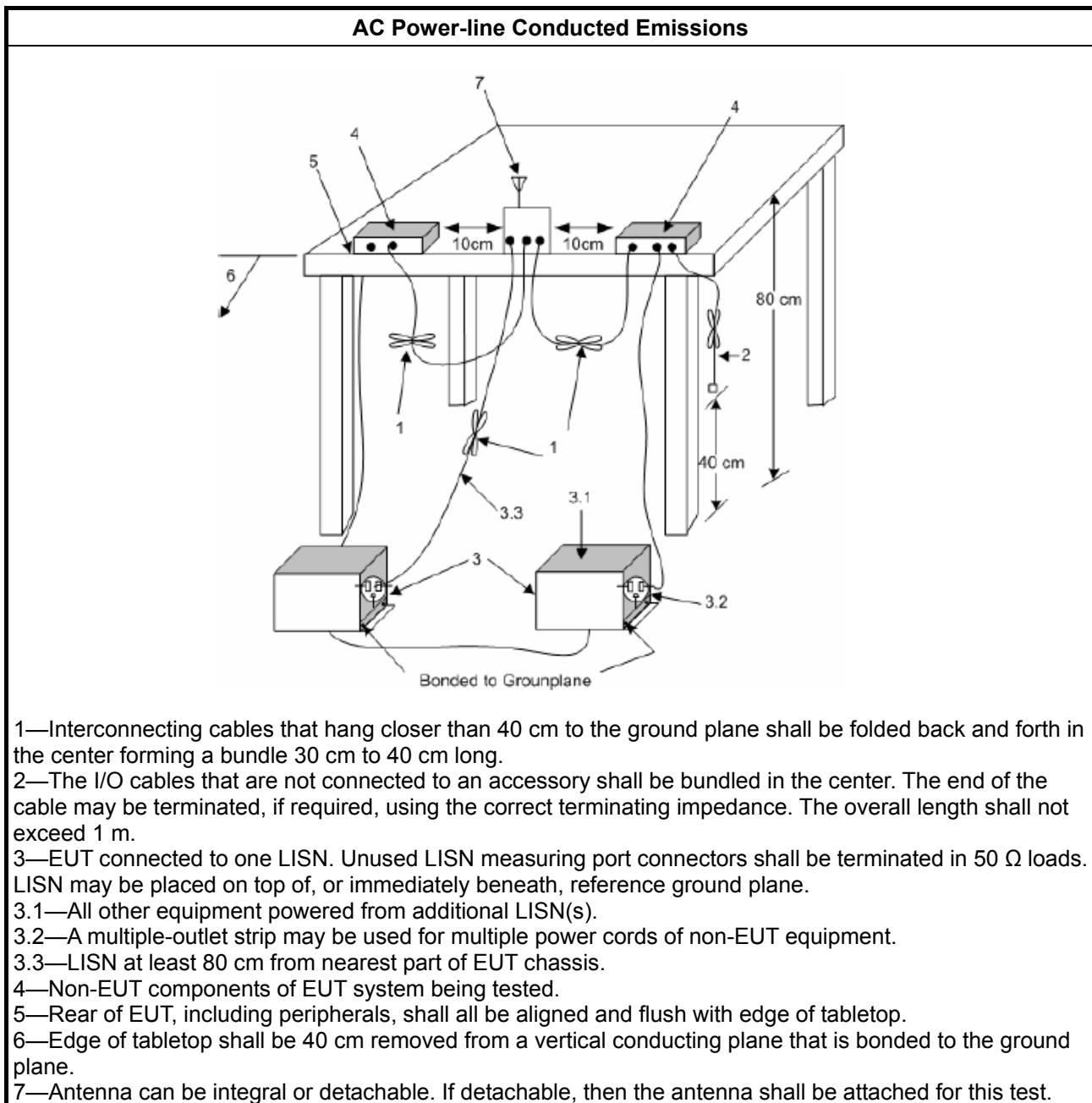
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

| Test Method                                                                                                      |
|------------------------------------------------------------------------------------------------------------------|
| <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> |

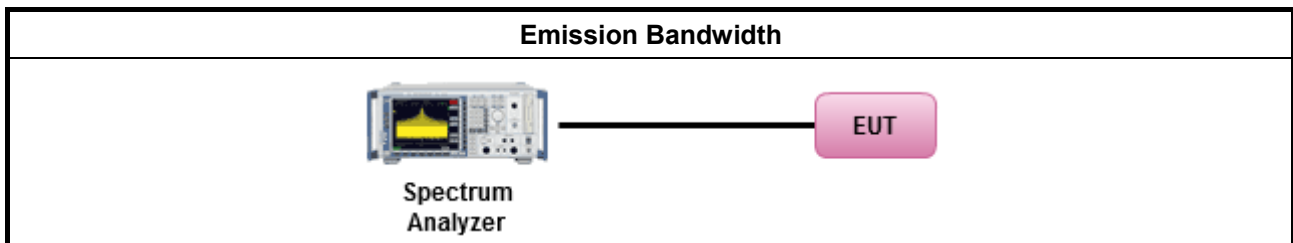
### 3.2.2 Measuring Instruments

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                                                                                                                              |                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                   | ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)                                           |
|                                                                                                                                                                   | ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm     |
|                                                                                                                                                                   | ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm        |
|                                                                                                                                                                   | ▪ Smart antenna system (SAS):                                                                        |
|                                                                                                                                                                   | - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm                         |
|                                                                                                                                                                   | - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm                        |
|                                                                                                                                                                   | - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm |
| $P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. |                                                                                                      |

#### 3.3.2 Measuring Instruments

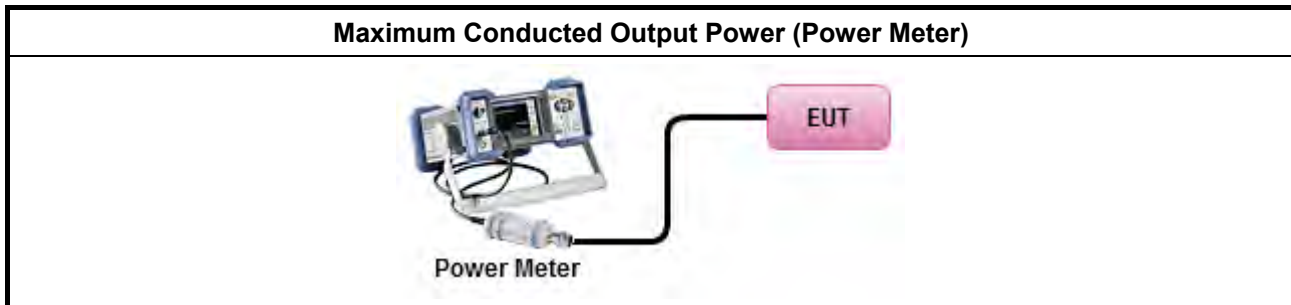
Refer a test equipment and calibration data table in this test report.

### 3.3.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <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:<br/>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:<br/> <math display="block">P_{total} = P_1 + P_2 + \dots + P_n</math> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math display="block">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 |                                                |
|------------------------------|------------------------------------------------|
| ▪                            | Power Spectral Density (PSD) $\leq 8$ dBm/3kHz |

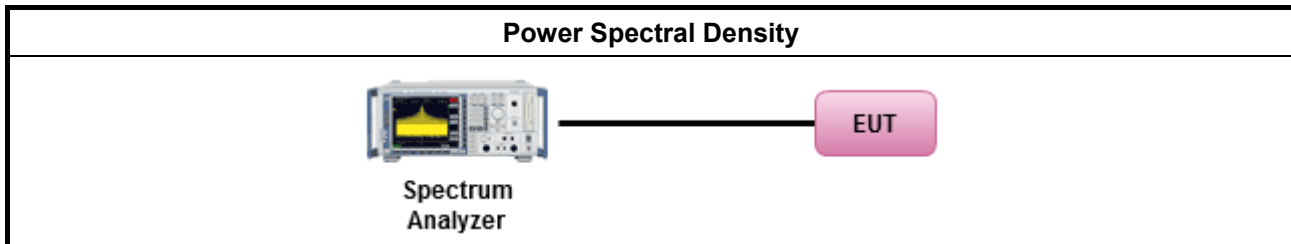
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪                                   | Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).                                                                                                                       |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ▪                                   | For conducted measurement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ▪                                   | If The EUT supports multiple transmit chains using options given below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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          |
| <p>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.</p> <p>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.</p> |             |

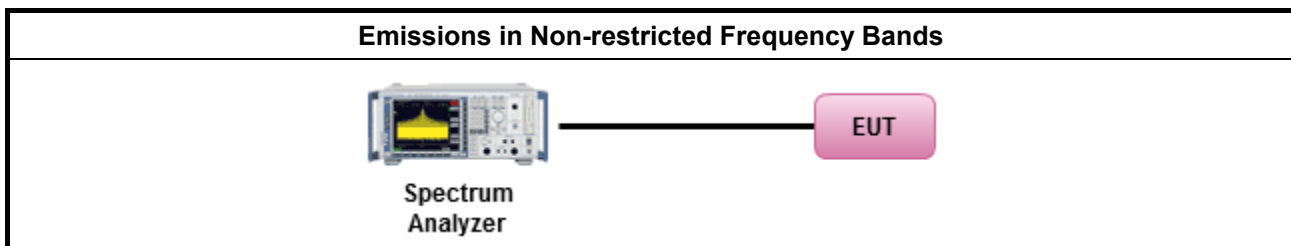
#### 3.5.2 Measuring Instruments

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

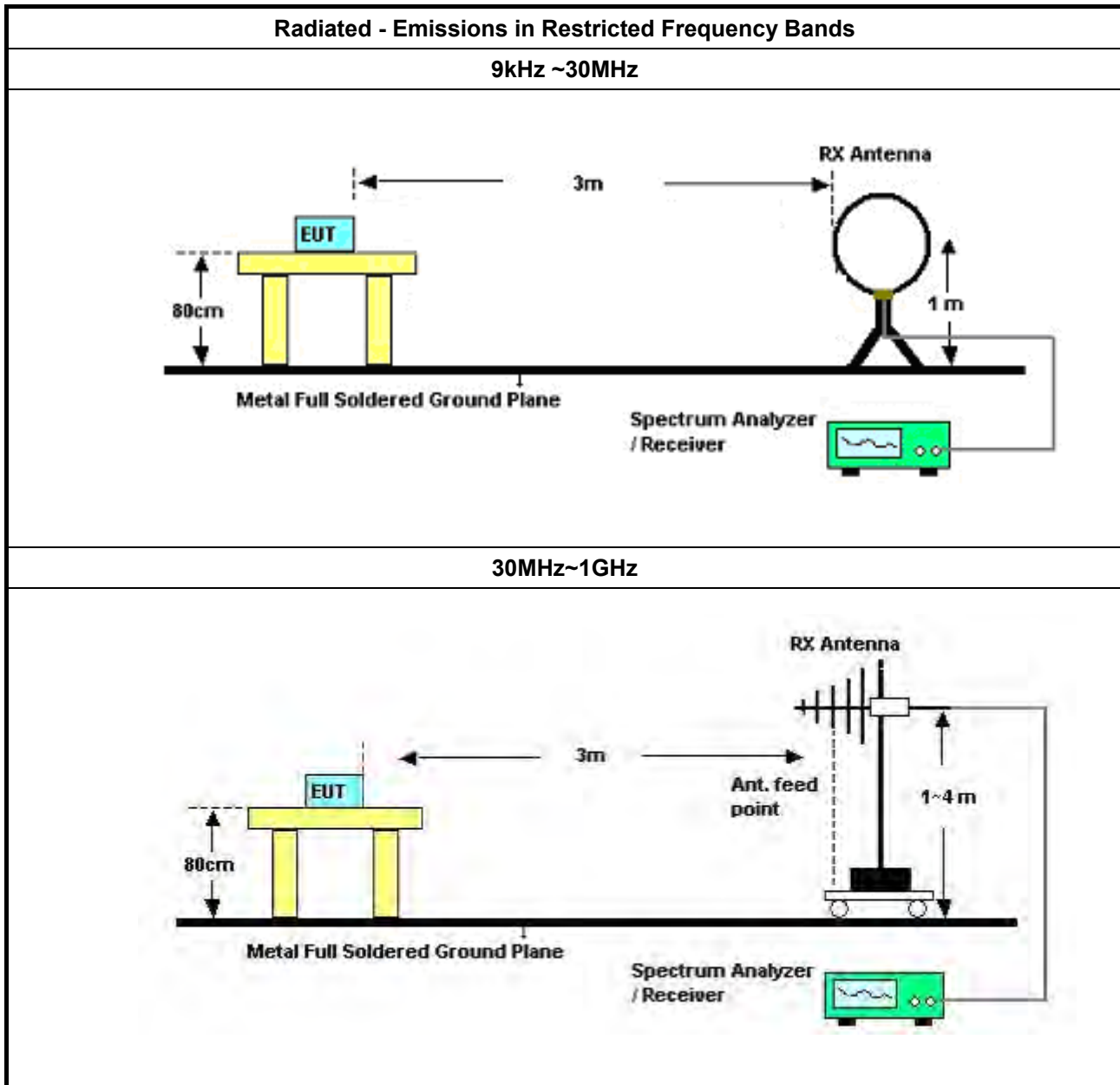
Refer a test equipment and calibration data table in this test report.

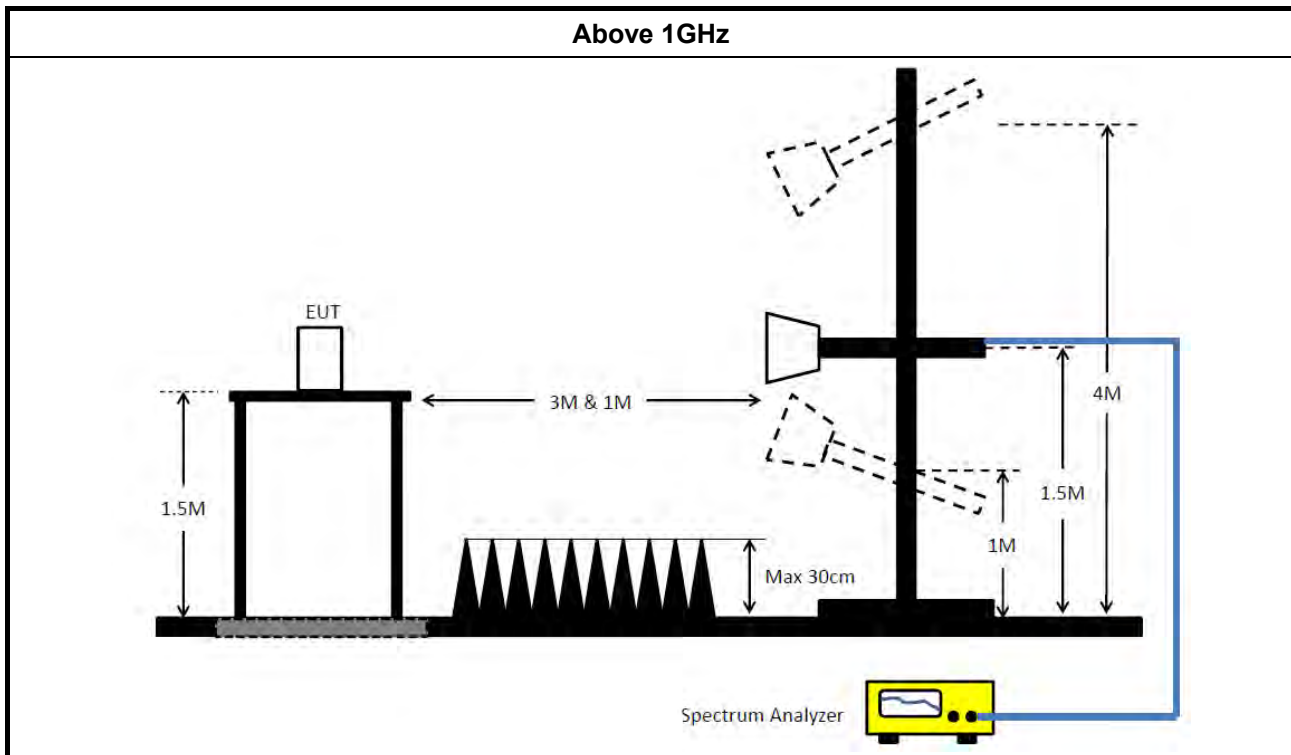


### 3.6.3 Test Procedures

| Test Method                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>The average emission levels shall be measured in [duty cycle <math>\geq 98</math> 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).<br/>Devices with multiple transmit chains using options given below:<br/>(1) Measure and sum the spectra across the outputs or<br/>(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   | Feb. 22, 2022    | Feb. 21, 2023        | Conduction (CO01-CB)  |
| LISN                               | F.C.C.           | FCC-LISN-50-16-2  | 04083           | 150kHz ~ 100MHz | Feb. 09, 2022    | Feb. 08, 2023        | Conduction (CO01-CB)  |
| LISN                               | Schwarzbeck      | NSLK 8127         | 8127647         | 9kHz ~ 30MHz    | Apr. 12, 2022    | Apr. 11, 2023        | Conduction (CO01-CB)  |
| Pulse Limiter                      | Rohde&Schwarz    | ESH3-Z2           | 100430          | 9kHz ~ 30MHz    | Feb. 10, 2022    | Feb. 09, 2023        | Conduction (CO01-CB)  |
| COND Cable                         | Woken            | Cable             | Low cable-CO01  | 9kHz ~ 30MHz    | May 18, 2022     | May 17, 2023         | Conduction (CO01-CB)  |
| Software                           | SPORTON          | SENSE             | V5.10           | -               | N.C.R.           | N.C.R.               | Conduction (CO01-CB)  |
| Loop Antenna                       | Teseq            | HLA 6120          | 24155           | 9kHz - 30 MHz   | Apr. 14, 2021    | Apr. 13, 2022        | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber NSA       | TDK              | SAC-3M            | 03CH03-CB       | 30 MHz ~ 1 GHz  | Jan. 27, 2021    | Jan. 26, 2022        | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber NSA       | TDK              | SAC-3M            | 03CH03-CB       | 30 MHz ~ 1 GHz  | Jan. 26, 2022    | Jan. 25, 2023        | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber VSWR      | TDK              | SAC-3M            | 03CH03-CB       | 1GHz ~18GHz 3m  | May 06, 2021     | May 05, 2022         | Radiation (03CH03-CB) |
| Bilog Antenna with 6 dB attenuator | Schaffner & EMCI | CBL6112B & N-6-06 | 2928 & AT-N0608 | 20MHz ~ 2GHz    | Feb. 22, 2021    | Feb. 21, 2022        | Radiation (03CH03-CB) |
| Bilog Antenna with 6 dB attenuator | Schaffner & EMCI | CBL6112B & N-6-06 | 2928 & AT-N0608 | 20MHz ~ 2GHz    | Feb. 21, 2022    | Feb. 20, 2023        | Radiation (03CH03-CB) |
| Horn Antenna                       | ETS • Lindgren   | 3115              | 6821            | 750MHz~18GHz    | Jan. 26, 2021    | Jan. 25, 2022        | Radiation (03CH03-CB) |
| Horn Antenna                       | ETS • Lindgren   | 3115              | 6821            | 750MHz~18GHz    | Jan. 21, 2022    | Jan. 20, 2023        | Radiation (03CH03-CB) |
| Horn Antenna                       | Schwarzbeck      | BBHA 9170         | BBHA9170252     | 15GHz ~ 40GHz   | Aug. 05, 2021    | Aug. 04, 2022        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | Agilent          | 8447D             | 2944A10259      | 9kHz ~ 1.3GHz   | Jan. 11, 2021    | Jan. 10, 2022        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | Agilent          | 8447D             | 2944A10259      | 9kHz ~ 1.3GHz   | Jan. 10, 2022    | Jan. 09, 2023        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | Agilent          | 8449B             | 3008A02097      | 1GHz ~ 26.5GHz  | Jul. 02, 2021    | Jul. 01, 2022        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | MITEQ            | TTA1840-35-H G    | 1864479         | 18GHz ~ 40GHz   | Jul. 13, 2021    | Jul. 12, 2022        | Radiation (03CH03-CB) |
| Spectrum Analyzer                  | R&S              | FSP40             | 100019          | 9kHz ~ 40GHz    | Jun. 04, 2021    | Jun. 03, 2022        | Radiation (03CH03-CB) |



| Instrument                    | Brand       | Model No.      | Serial No.       | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-------------------------------|-------------|----------------|------------------|------------------|------------------|----------------------|-----------------------|
| EMI Test Receiver             | R&S         | ESCS           | 826547/017       | 9kHz ~ 2.75GHz   | Jun. 21, 2021    | Jun. 20, 2022        | Radiation (03CH03-CB) |
| RF Cable-low                  | Woken       | RG402          | Low Cable-02+29  | 30MHz ~ 1GHz     | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH03-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-20+29 | 1GHz ~ 18GHz     | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH03-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-29    | 1GHz ~ 18GHz     | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH03-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5+7          | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH03-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5            | 1GHz ~ 40 GHz    | Dec. 08, 2021    | Dec. 07, 2022        | Radiation (03CH03-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#7            | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | 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         | 03CH06-CB        | 1GHz ~18GHz 3m   | Oct. 01, 2021    | Sep. 30, 2022        | Radiation (03CH06-CB) |
| Horn Antenna                  | SCHWARZBECK | BBHA9120D      | BBHA 9120D-1292  | 1GHz~18GHz       | Aug. 04, 2021    | Aug. 03, 2022        | Radiation (03CH06-CB) |
| Horn Antenna                  | Schwarzbeck | BBHA 9170      | BBHA9170252      | 15GHz ~ 40GHz    | Aug. 05, 2021    | Aug. 04, 2022        | Radiation (03CH06-CB) |
| Pre-Amplifier                 | Agilent     | 83017A         | MY53270064       | 0.5GHz ~ 26.5GHz | May 06, 2021     | May 05, 2022         | Radiation (03CH06-CB) |
| Pre-Amplifier                 | MITEQ       | TTA1840-35-H G | 1864479          | 18GHz ~ 40GHz    | Jul. 13, 2021    | Jul. 12, 2022        | Radiation (03CH06-CB) |
| Signal Analyzer               | R&S         | FSV40          | 101903           | 9kHz ~ 40GHz     | Mar. 22, 2021    | Mar. 21, 2022        | Radiation (03CH06-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-05    | 1GHz~18GHz       | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH06-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-05+24 | 1GHz~18GHz       | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH06-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5+7          | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH06-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5            | 1GHz ~ 40 GHz    | Dec. 08, 2021    | Dec. 07, 2022        | Radiation (03CH06-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#7            | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH06-CB) |
| Test Software                 | SPORTON     | SENSE          | V5.10            | -                | N.C.R.           | N.C.R.               | Radiation (03CH06-CB) |
| Spectrum analyzer             | R&S         | FSV40          | 100979           | 9kHz~40GHz       | May 21, 2021     | May 20, 2022         | Conducted (TH01-CB)   |
| Signal Analyzer               | R&S         | FSV40          | 101904           | 9kHz ~ 40GHz     | Apr. 26, 2022    | Apr. 25, 2023        | Conducted (TH01-CB)   |
| RF Cable-high                 | Woken       | RG402          | High Cable-06    | 1 GHz – 26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB)   |
| RF Cable-high                 | Woken       | RG402          | High Cable-07    | 1 GHz –26.5 GHz  | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB)   |



| Instrument    | Brand   | Model No. | Serial No.    | Characteristics | Calibration Date | Calibration Due Date | Remark              |
|---------------|---------|-----------|---------------|-----------------|------------------|----------------------|---------------------|
| RF Cable-high | Woken   | RG402     | High Cable-08 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | High Cable-09 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | High Cable-10 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | High Cable-30 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| Switch        | SPTCB   | SP-SWI    | SWI-01        | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P1     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P2     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P3     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P4     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P5     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| Power Sensor  | Agilent | E9327A    | US40442088    | 50MHz~18GHz     | Feb. 21, 2022    | Feb. 20, 2023        | Conducted (TH01-CB) |
| Power Meter   | Agilent | E4416A    | GB41291199    | 50MHz~18GHz     | Feb. 21, 2022    | Feb. 20, 2023        | Conducted (TH01-CB) |
| Test Software | SPORTON | SENSE     | V5.10         | -               | N.C.R.           | N.C.R.               | Conducted (TH01-CB) |

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

NCR means Non-Calibration required.



## Conducted Emissions at Powerline

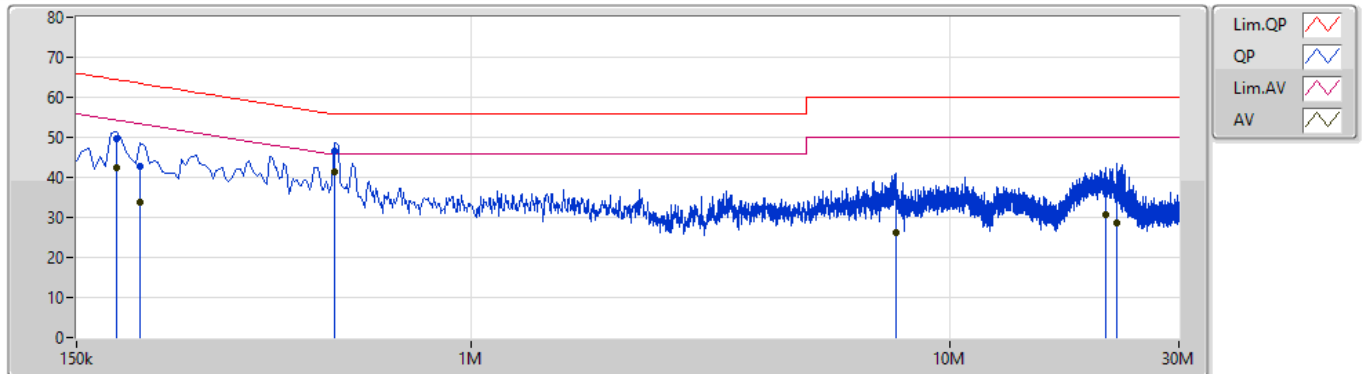
## Appendix A

### Summary

| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-----------------|-----------------|----------------|-----------|
| Mode 1 | Pass   | AV   | 568.5k       | 41.98           | 46.00           | -4.02          | Neutral   |

## Mode 1

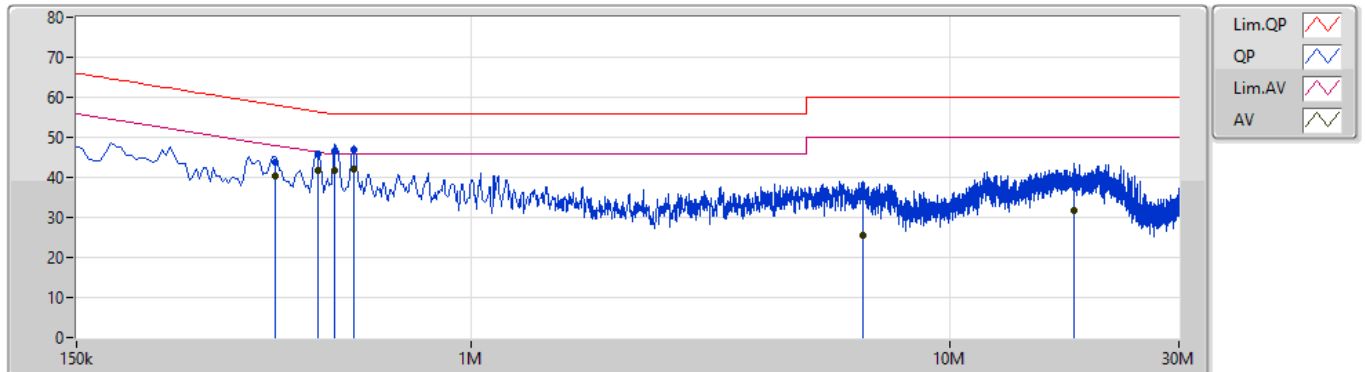
07/06/2022



| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 181.5k       | 49.82           | 64.41           | -14.59         | 9.99           | Line      | -       | 39.83         | 0.06         | 0.04       | 9.89       |  |  |  |
| AV   | 181.5k       | 42.32           | 54.41           | -12.09         | 9.99           | Line      | -       | 32.33         | 0.06         | 0.04       | 9.89       |  |  |  |
| QP   | 204k         | 42.75           | 63.44           | -20.69         | 9.99           | Line      | -       | 32.76         | 0.06         | 0.04       | 9.89       |  |  |  |
| AV   | 204k         | 33.81           | 53.44           | -19.63         | 9.99           | Line      | -       | 23.82         | 0.06         | 0.04       | 9.89       |  |  |  |
| QP   | 519k         | 46.54           | 56.00           | -9.46          | 10.00          | Line      | -       | 36.54         | 0.06         | 0.05       | 9.89       |  |  |  |
| AV   | 519k         | 41.34           | 46.00           | -4.66          | 10.00          | Line      | "Worst" | 31.34         | 0.06         | 0.05       | 9.89       |  |  |  |
| QP   | 7.683M       | 35.26           | 60.00           | -24.74         | 10.23          | Line      | -       | 25.03         | 0.19         | 0.14       | 9.90       |  |  |  |
| AV   | 7.683M       | 26.20           | 50.00           | -23.80         | 10.23          | Line      | -       | 15.97         | 0.19         | 0.14       | 9.90       |  |  |  |
| QP   | 21.062M      | 37.65           | 60.00           | -22.35         | 10.50          | Line      | -       | 27.15         | 0.31         | 0.23       | 9.96       |  |  |  |
| AV   | 21.062M      | 30.53           | 50.00           | -19.47         | 10.50          | Line      | -       | 20.03         | 0.31         | 0.23       | 9.96       |  |  |  |
| QP   | 22.281M      | 36.19           | 60.00           | -23.81         | 10.54          | Line      | -       | 25.65         | 0.33         | 0.25       | 9.96       |  |  |  |
| AV   | 22.281M      | 28.75           | 50.00           | -21.25         | 10.54          | Line      | -       | 18.21         | 0.33         | 0.25       | 9.96       |  |  |  |

### Mode 1

07/06/2022



| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 388.5k       | 43.88           | 58.10           | -14.22         | 10.02          | Neutral   | -       | 33.86         | 0.07         | 0.06       | 9.89       |  |  |  |
| AV   | 388.5k       | 40.42           | 48.10           | -7.68          | 10.02          | Neutral   | -       | 30.40         | 0.07         | 0.06       | 9.89       |  |  |  |
| QP   | 478.5k       | 45.84           | 56.36           | -10.52         | 10.02          | Neutral   | -       | 35.82         | 0.07         | 0.06       | 9.89       |  |  |  |
| AV   | 478.5k       | 41.66           | 46.36           | -4.70          | 10.02          | Neutral   | -       | 31.64         | 0.07         | 0.06       | 9.89       |  |  |  |
| QP   | 519k         | 46.66           | 56.00           | -9.34          | 10.01          | Neutral   | -       | 36.65         | 0.07         | 0.05       | 9.89       |  |  |  |
| AV   | 519k         | 41.63           | 46.00           | -4.37          | 10.01          | Neutral   | -       | 31.62         | 0.07         | 0.05       | 9.89       |  |  |  |
| QP   | 568.5k       | 46.76           | 56.00           | -9.24          | 10.01          | Neutral   | -       | 36.75         | 0.07         | 0.05       | 9.89       |  |  |  |
| AV   | 568.5k       | 41.98           | 46.00           | -4.02          | 10.01          | Neutral   | "Worst" | 31.97         | 0.07         | 0.05       | 9.89       |  |  |  |
| QP   | 6.554M       | 35.30           | 60.00           | -24.70         | 10.22          | Neutral   | -       | 25.08         | 0.19         | 0.13       | 9.90       |  |  |  |
| AV   | 6.554M       | 25.42           | 50.00           | -24.58         | 10.22          | Neutral   | -       | 15.20         | 0.19         | 0.13       | 9.90       |  |  |  |
| QP   | 18.078M      | 38.43           | 60.00           | -21.57         | 10.44          | Neutral   | -       | 27.99         | 0.29         | 0.20       | 9.95       |  |  |  |
| AV   | 18.078M      | 31.85           | 50.00           | -18.15         | 10.44          | Neutral   | -       | 21.41         | 0.29         | 0.20       | 9.95       |  |  |  |

**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_4TX       | 8.525M           | 11.569M         | 11M6G1D  | 7.525M           | 11.119M         |
| 802.11g_Nss1,(6Mbps)_4TX       | 16.575M          | 17.041M         | 17M0D1D  | 16.475M          | 16.692M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 19.225M          | 19.34M          | 19M3D1D  | 19M              | 19.065M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 38.25M           | 38.481M         | 38M5D1D  | 38.1M            | 38.131M         |

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

**Result**

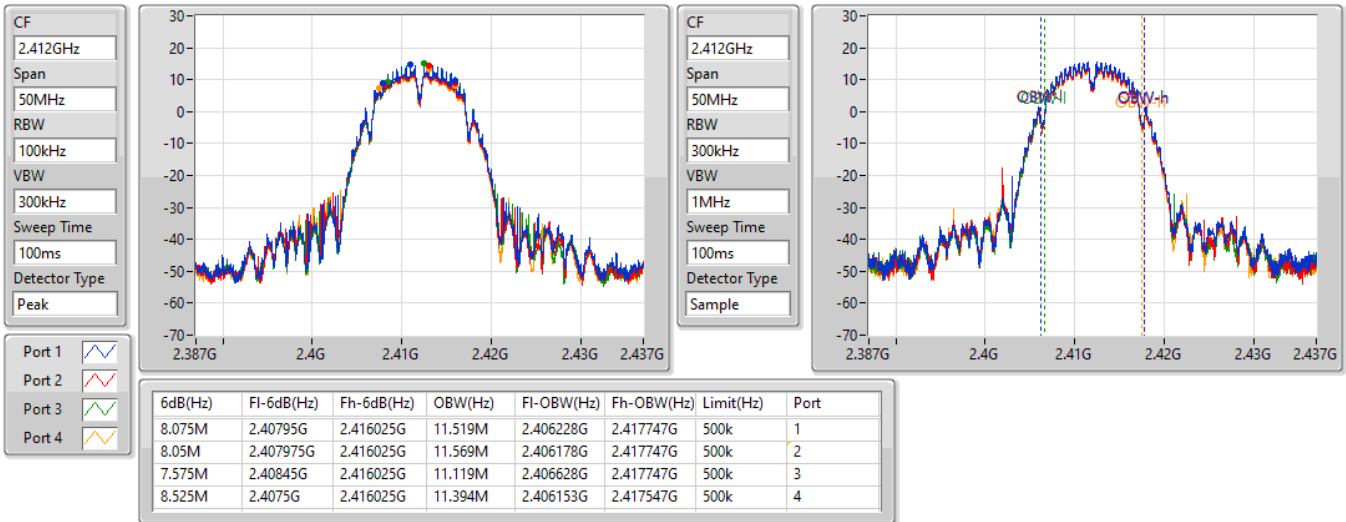
| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11b_Nss1,(1Mbps)_4TX       | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 2412MHz                        | Pass   | 500k       | 8.075M           | 11.519M         | 8.05M            | 11.569M         | 7.575M           | 11.119M         | 8.525M           | 11.394M         |
| 2437MHz                        | Pass   | 500k       | 8.075M           | 11.544M         | 8.05M            | 11.494M         | 8.525M           | 11.344M         | 8.025M           | 11.394M         |
| 2462MHz                        | Pass   | 500k       | 8.05M            | 11.469M         | 8.025M           | 11.494M         | 7.525M           | 11.269M         | 8.05M            | 11.394M         |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 2412MHz                        | Pass   | 500k       | 16.575M          | 16.792M         | 16.55M           | 16.767M         | 16.475M          | 16.692M         | 16.575M          | 16.867M         |
| 2437MHz                        | Pass   | 500k       | 16.575M          | 17.016M         | 16.575M          | 16.992M         | 16.525M          | 16.942M         | 16.525M          | 17.041M         |
| 2462MHz                        | Pass   | 500k       | 16.575M          | 16.767M         | 16.575M          | 16.767M         | 16.55M           | 16.817M         | 16.525M          | 16.867M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 2412MHz                        | Pass   | 500k       | 19.05M           | 19.34M          | 19.175M          | 19.315M         | 19M              | 19.215M         | 19.225M          | 19.34M          |
| 2437MHz                        | Pass   | 500k       | 19.1M            | 19.14M          | 19.1M            | 19.115M         | 19.1M            | 19.14M          | 19.075M          | 19.165M         |
| 2462MHz                        | Pass   | 500k       | 19.125M          | 19.115M         | 19.075M          | 19.09M          | 19.075M          | 19.065M         | 19.1M            | 19.165M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 2422MHz                        | Pass   | 500k       | 38.25M           | 38.481M         | 38.25M           | 38.331M         | 38.15M           | 38.281M         | 38.2M            | 38.331M         |
| 2437MHz                        | Pass   | 500k       | 38.15M           | 38.331M         | 38.15M           | 38.331M         | 38.15M           | 38.281M         | 38.1M            | 38.131M         |
| 2452MHz                        | Pass   | 500k       | 38.15M           | 38.131M         | 38.15M           | 38.181M         | 38.15M           | 38.131M         | 38.15M           | 38.281M         |

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

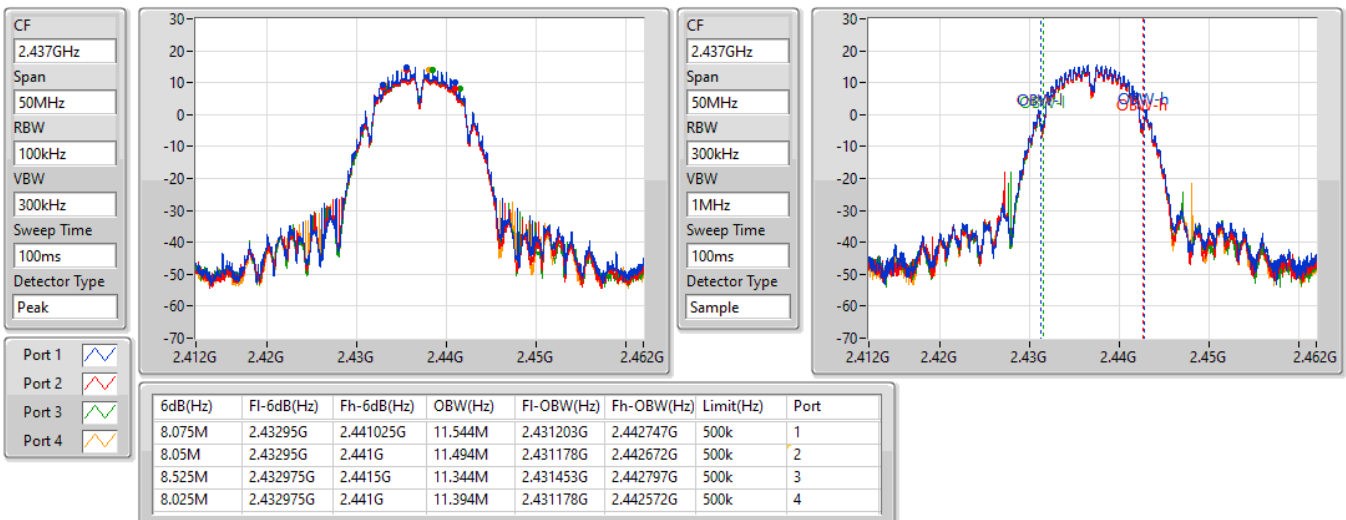


**802.11b\_Nss1,(1Mbps)\_4TX**
**EBW**
**2412MHz**

25/02/2022

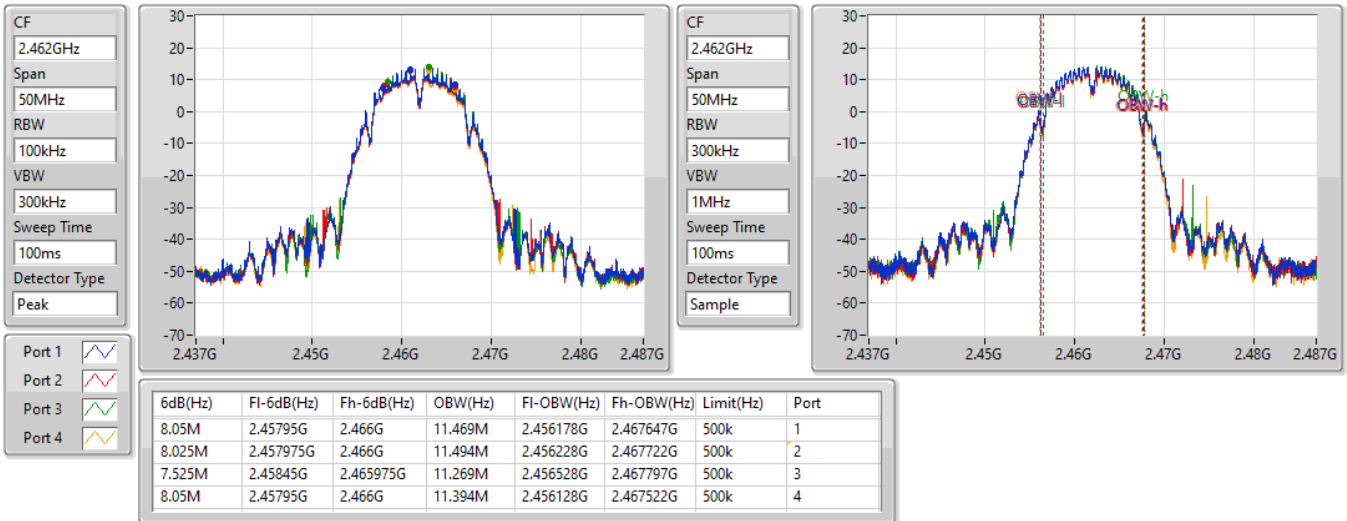

**802.11b\_Nss1,(1Mbps)\_4TX**
**EBW**
**2437MHz**

25/02/2022

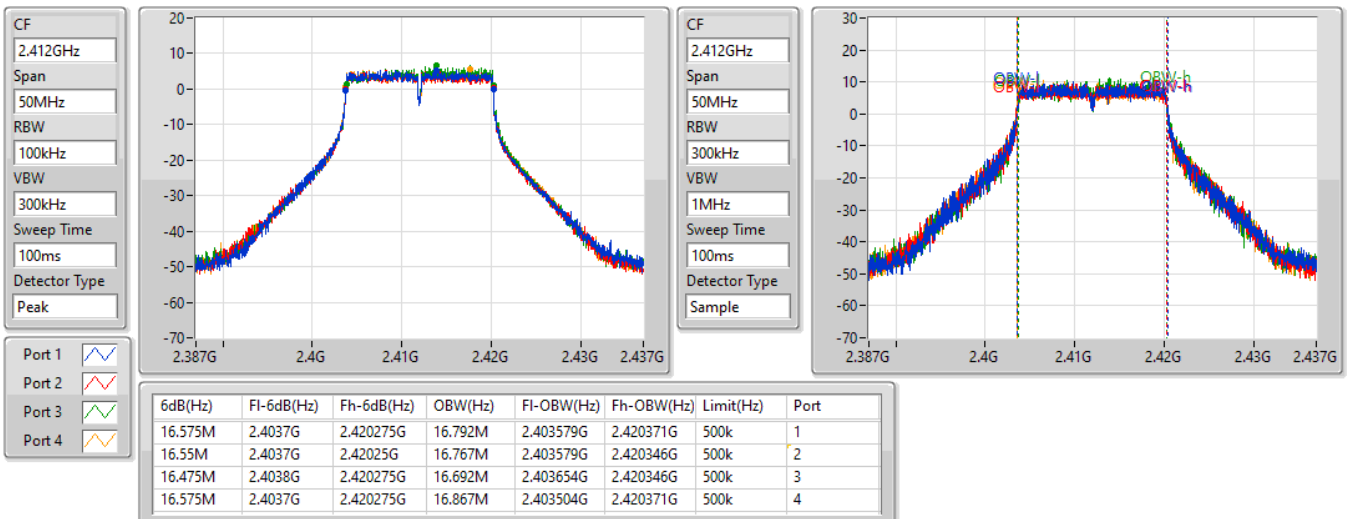


**802.11b\_Nss1,(1Mbps)\_4TX**
**EBW**
**2462MHz**

25/02/2022

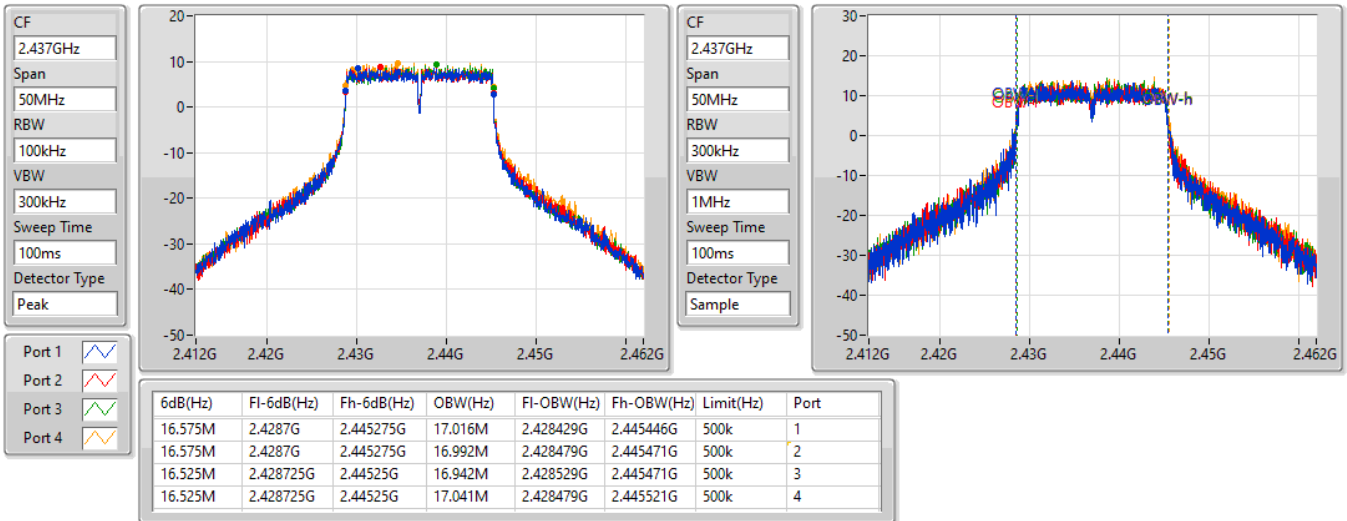

**802.11g\_Nss1,(6Mbps)\_4TX**
**EBW**
**2412MHz**

25/02/2022

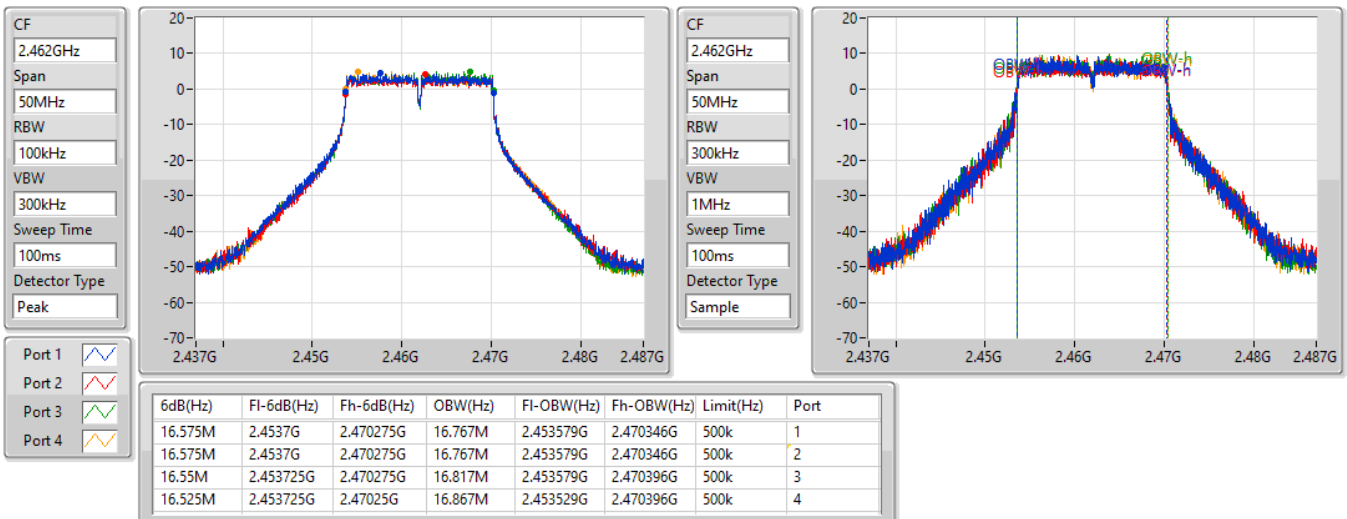


**802.11g\_Nss1,(6Mbps)\_4TX**
**2437MHz**

25/02/2022

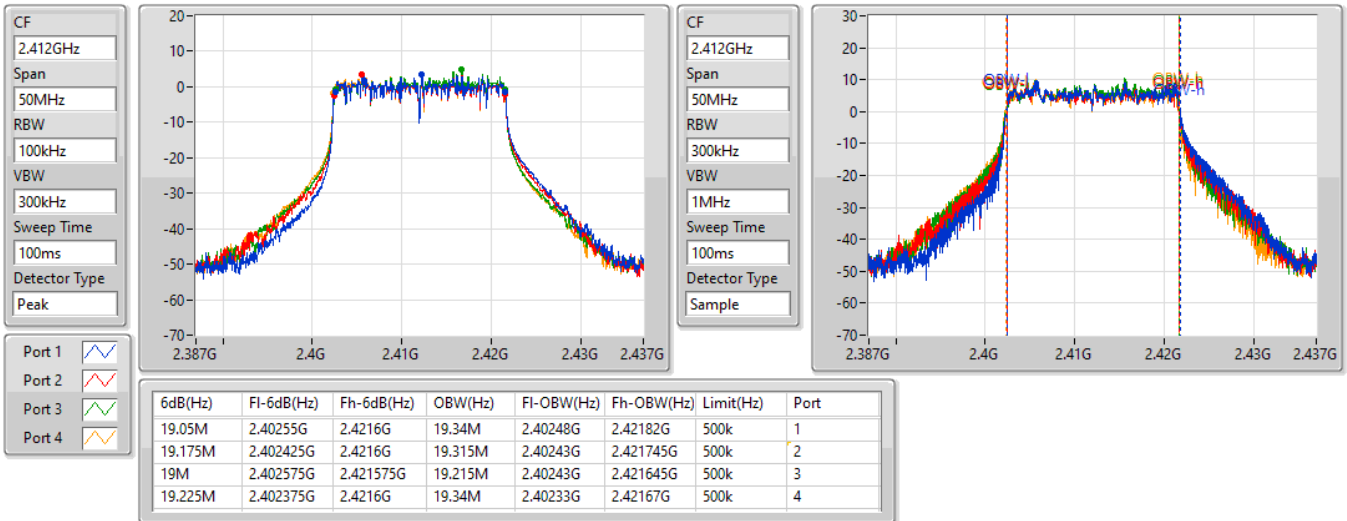

**802.11g\_Nss1,(6Mbps)\_4TX**
**2462MHz**

25/02/2022

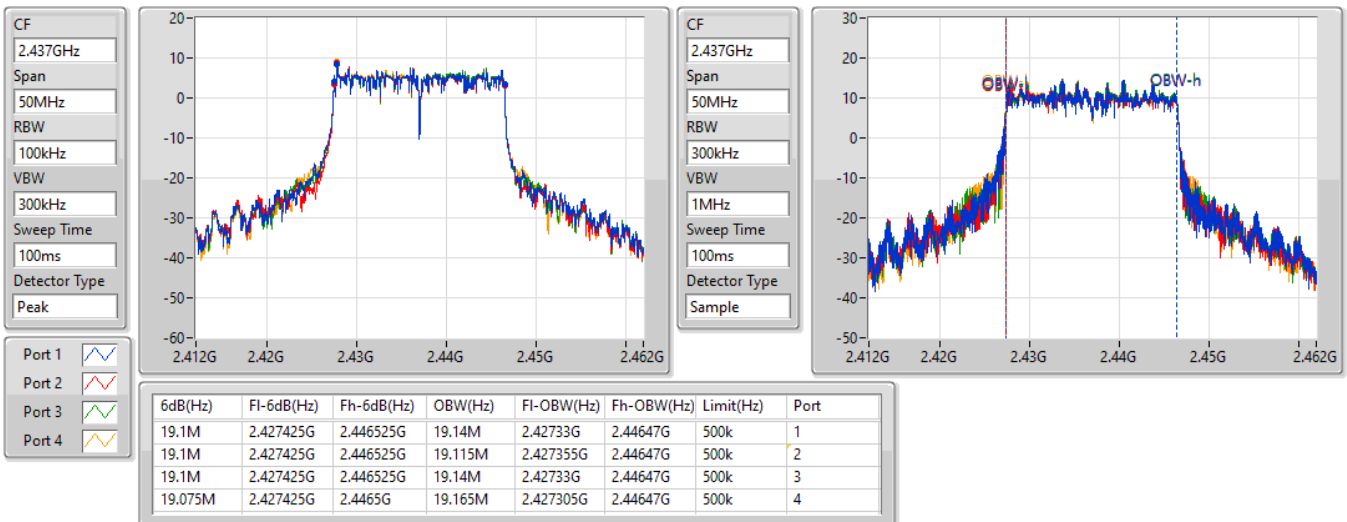


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**2412MHz**

25/02/2022

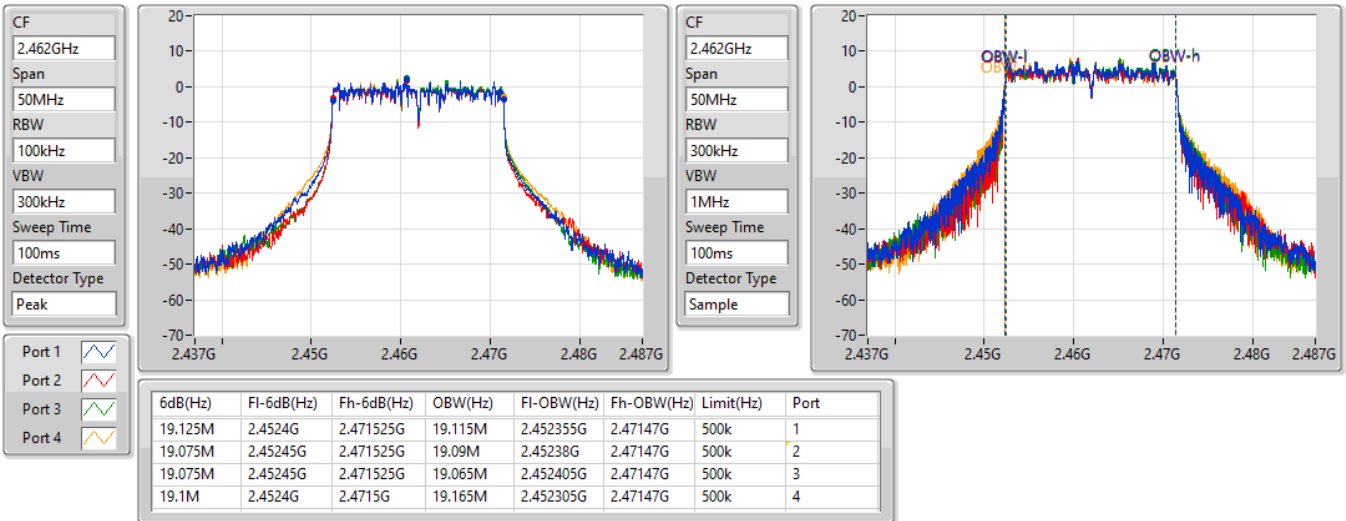

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

25/02/2022

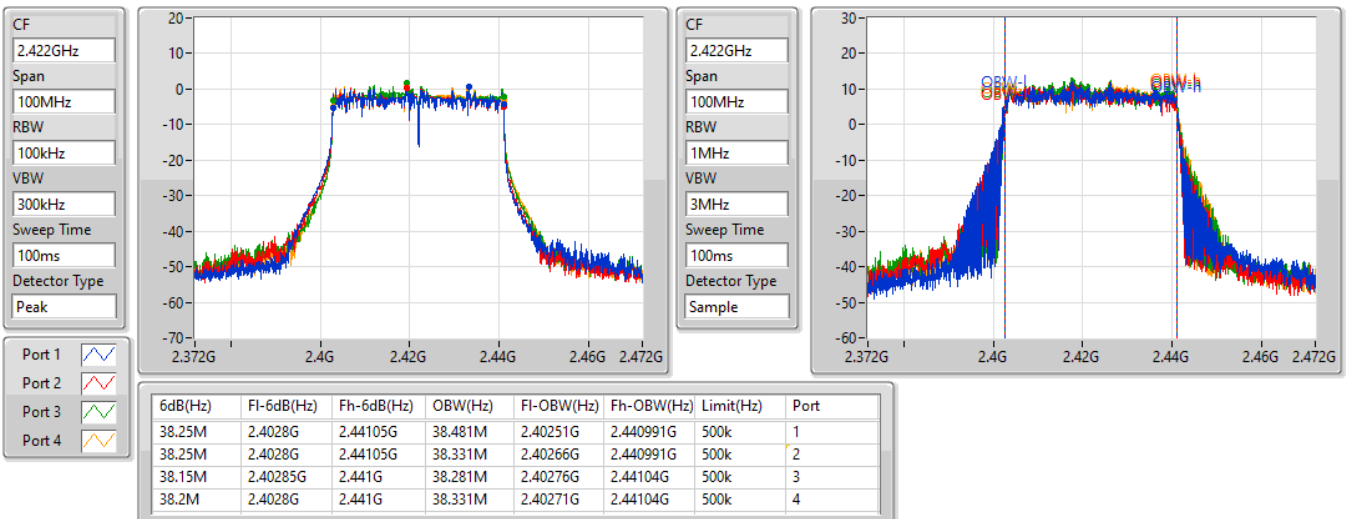


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**2462MHz**

25/02/2022

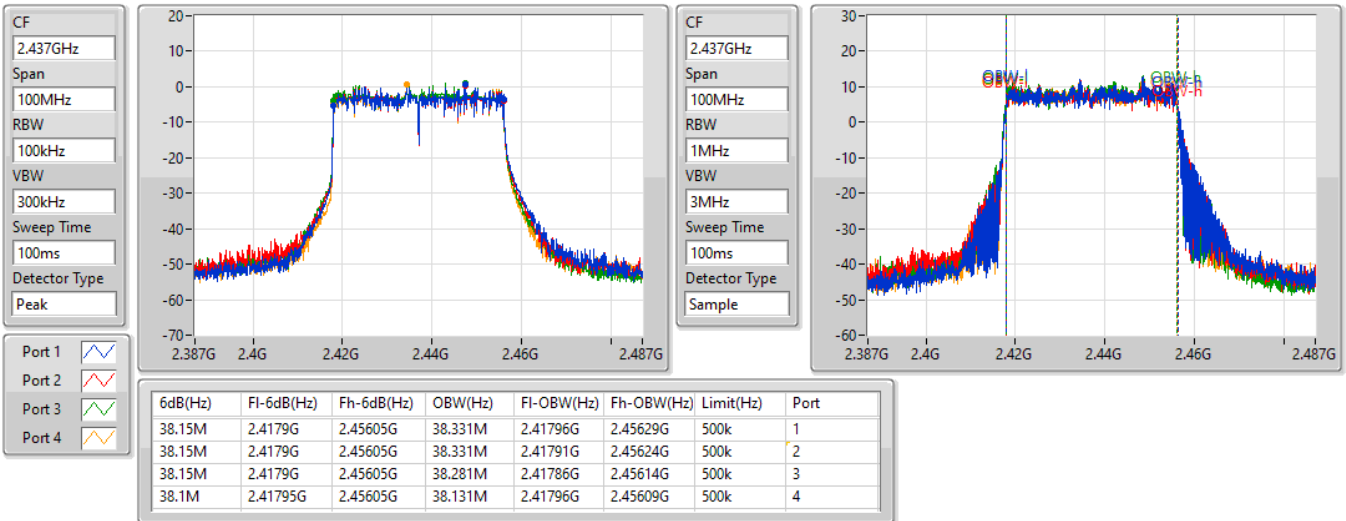

**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**2422MHz**

25/02/2022

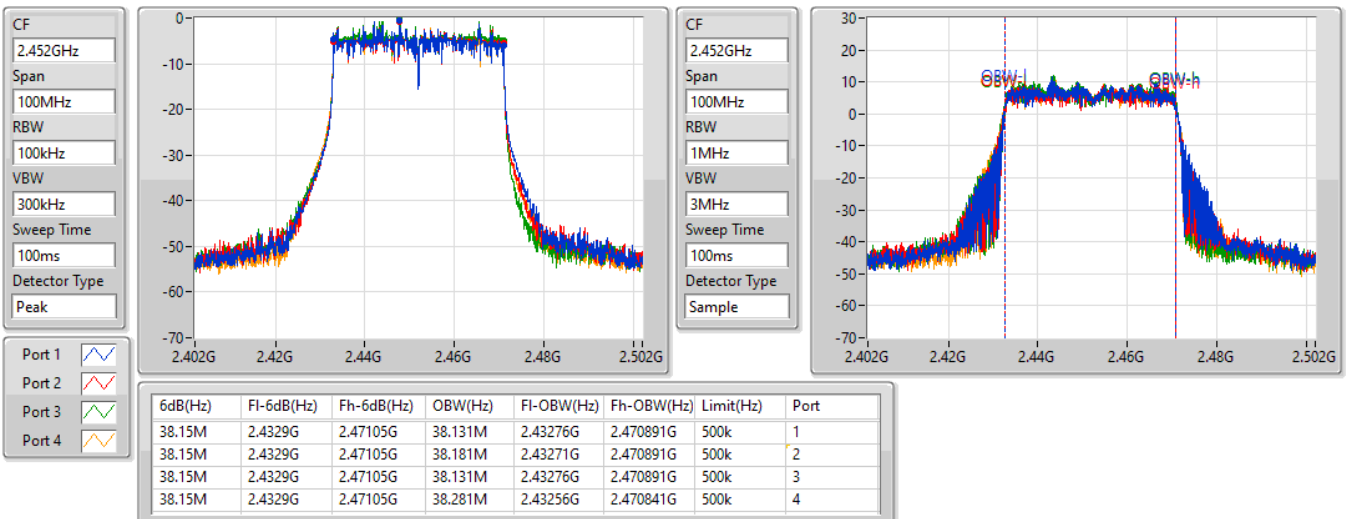


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

25/02/2022


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**2452MHz**

25/02/2022



**Summary**

| Mode                              | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|-----------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz                     | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 19.1M            | 19.09M          | 19M1D1D  | 18.975M          | 18.916M         |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 38.15M           | 38.431M         | 38M4D1D  | 37.85M           | 37.981M         |

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**

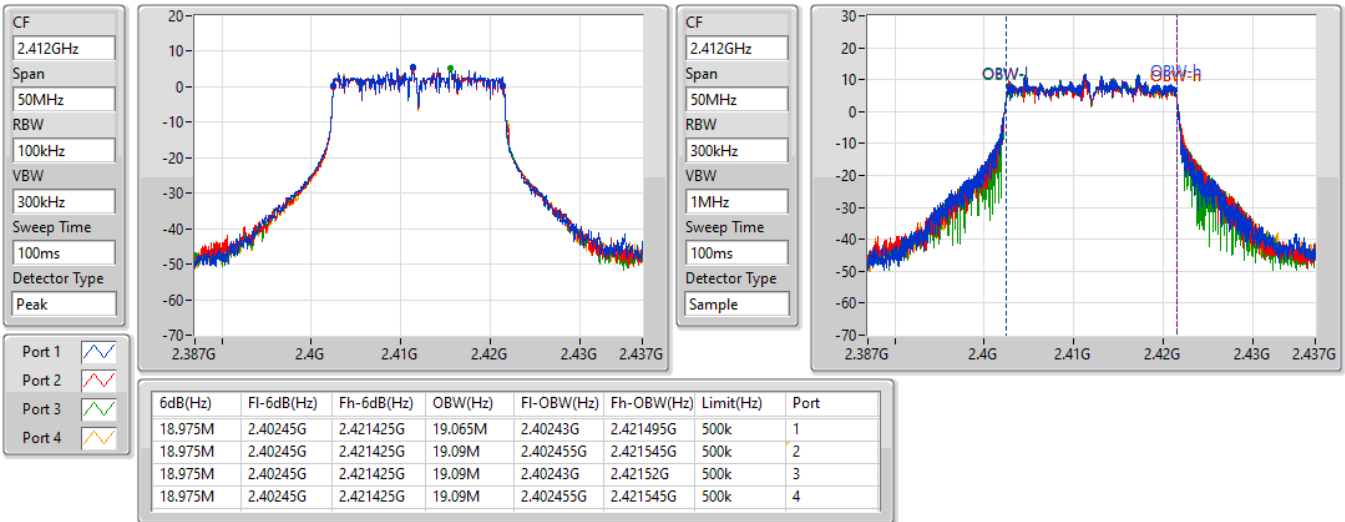
| Mode                              | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) | Port 3-N dB<br>(Hz) | Port 3-OBW<br>(Hz) | Port 4-N dB<br>(Hz) | Port 4-OBW<br>(Hz) |
|-----------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 2412MHz                           | Pass   | 500k          | 18.975M             | 19.065M            | 18.975M             | 19.09M             | 18.975M             | 19.09M             | 18.975M             | 19.09M             |
| 2437MHz                           | Pass   | 500k          | 19.075M             | 19.04M             | 19.075M             | 19.04M             | 19.075M             | 19.04M             | 19.075M             | 19.015M            |
| 2462MHz                           | Pass   | 500k          | 19.1M               | 18.991M            | 19.075M             | 18.941M            | 19.1M               | 18.916M            | 19.1M               | 18.941M            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 2422MHz                           | Pass   | 500k          | 38.15M              | 38.081M            | 38.15M              | 38.031M            | 38.15M              | 38.031M            | 38.15M              | 38.131M            |
| 2437MHz                           | Pass   | 500k          | 37.85M              | 37.981M            | 38.05M              | 38.081M            | 38.15M              | 38.381M            | 37.95M              | 38.031M            |
| 2452MHz                           | Pass   | 500k          | 38.15M              | 38.231M            | 38.15M              | 38.331M            | 38.15M              | 38.331M            | 38.15M              | 38.431M            |

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

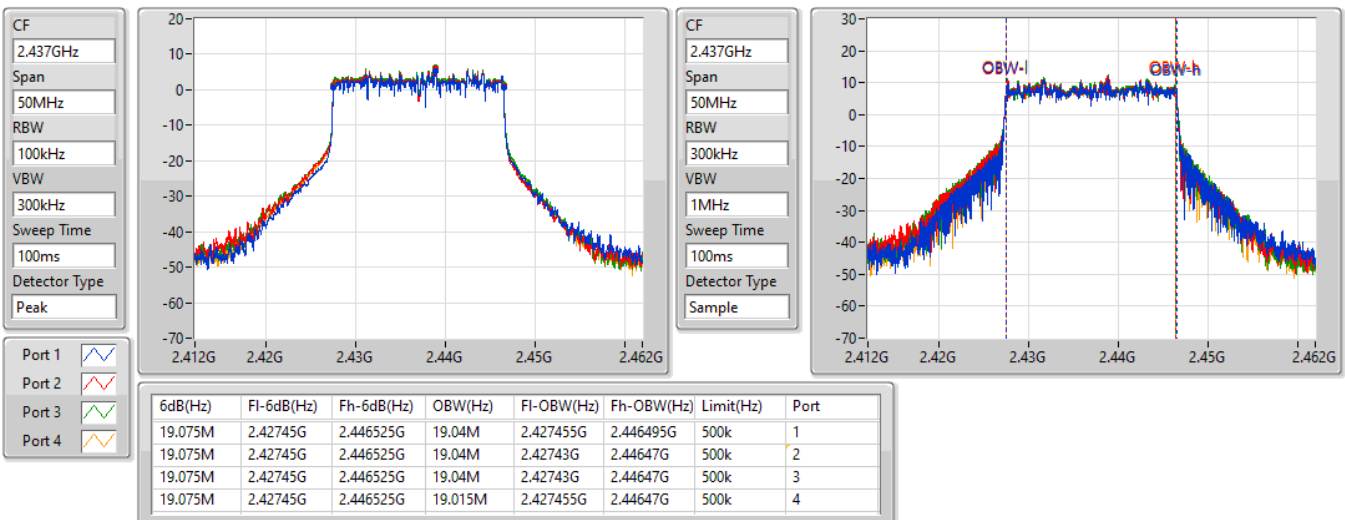


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2412MHz**

28/02/2022

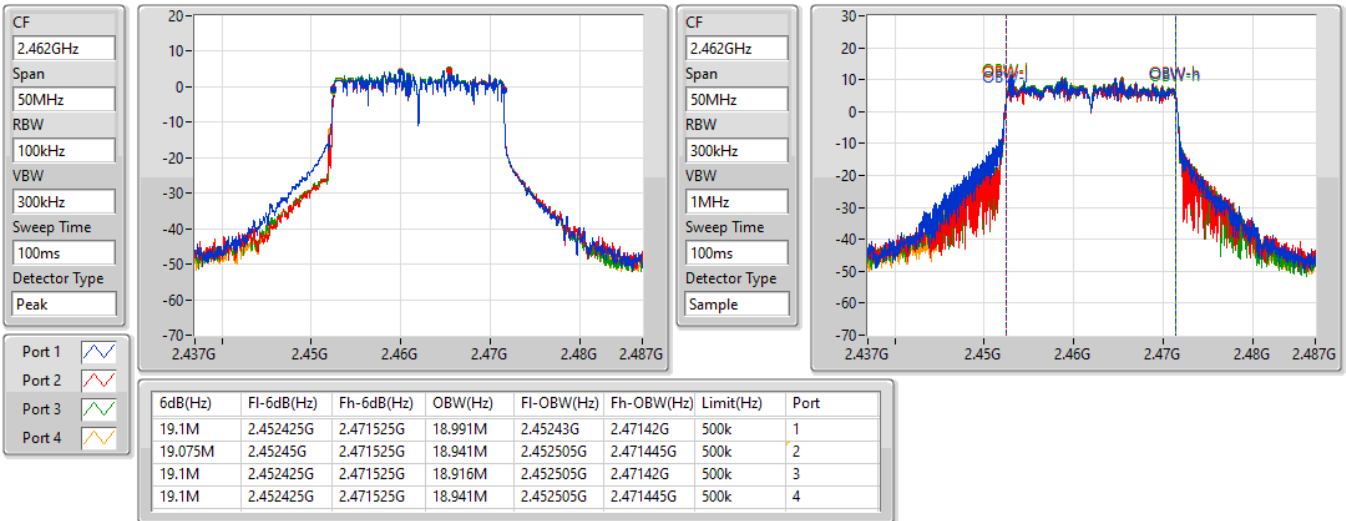

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

28/02/2022

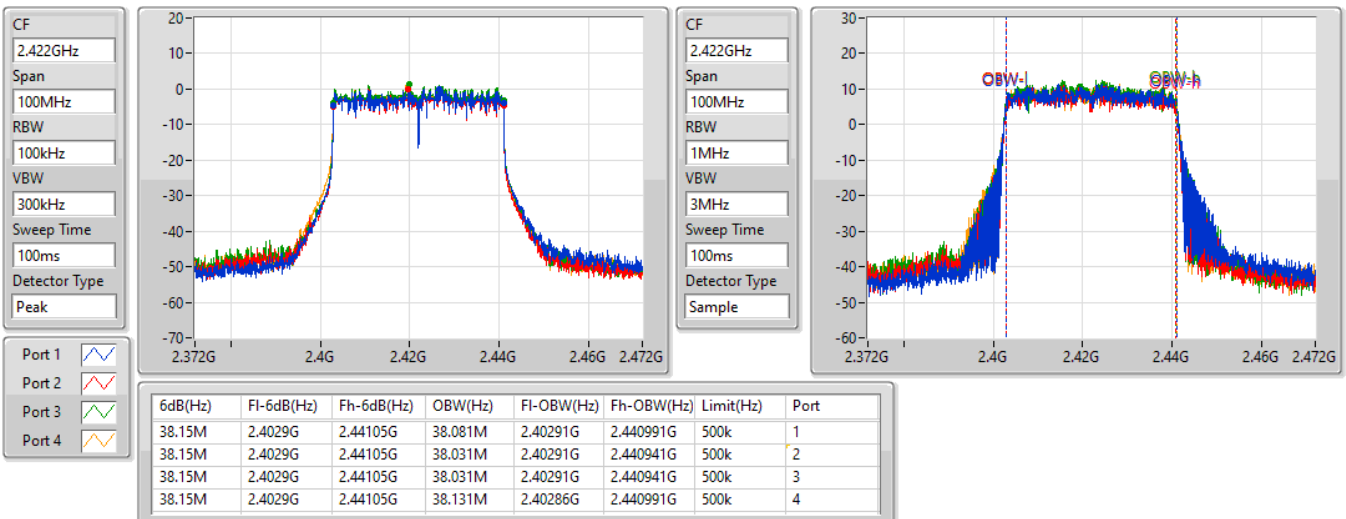


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2462MHz**

28/02/2022

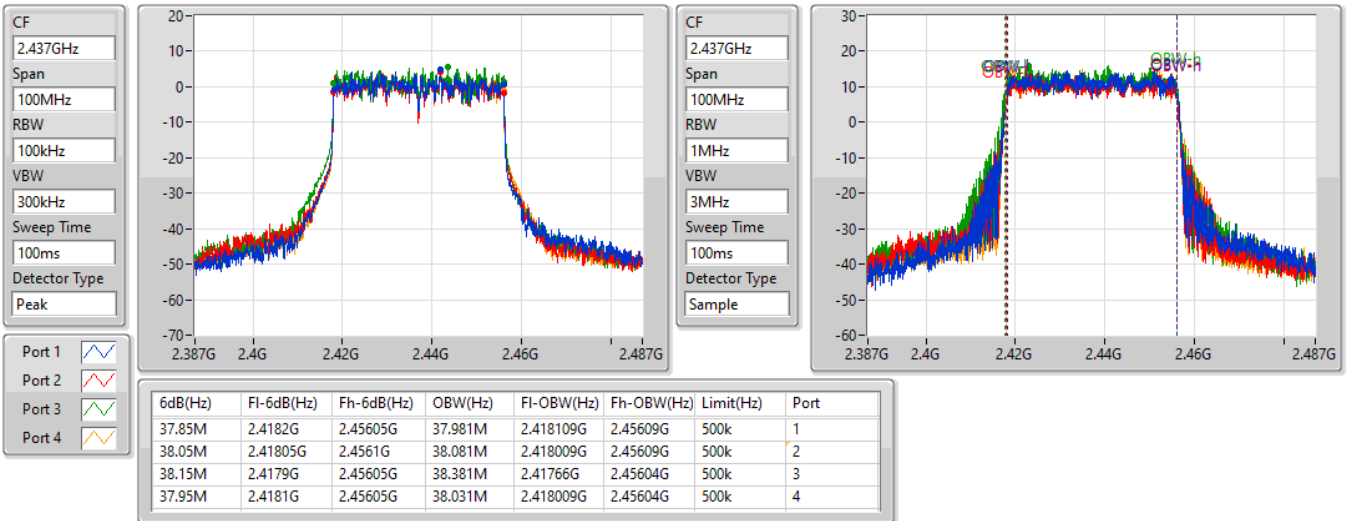

**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2422MHz**

28/02/2022

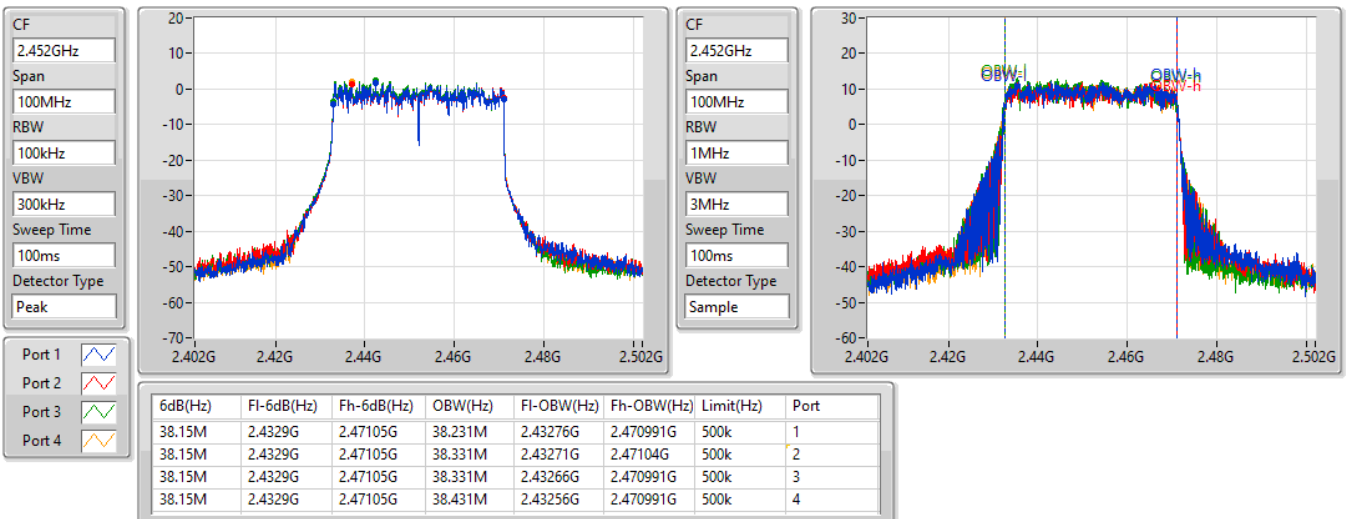


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

28/02/2022


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2452MHz**

28/02/2022





**Summary**

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_4TX       | 29.61                | 0.91411            |
| 802.11g_Nss1,(6Mbps)_4TX       | 29.91                | 0.97949            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 29.89                | 0.97499            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 25.29                | 0.33806            |

## Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Port 3<br>(dBm) | Port 4<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_4TX       | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 3.80        | 23.83           | 23.09           | 23.52           | 22.72           | 29.33                | 30.00                |
| 2417MHz                        | Pass   | 3.80        | 23.73           | 22.95           | 23.70           | 22.96           | 29.37                | 30.00                |
| 2437MHz                        | Pass   | 3.80        | 24.02           | 23.57           | 23.34           | 23.41           | 29.61                | 30.00                |
| 2457MHz                        | Pass   | 3.80        | 23.57           | 22.67           | 23.42           | 22.35           | 29.05                | 30.00                |
| 2462MHz                        | Pass   | 3.80        | 22.27           | 21.98           | 22.51           | 21.48           | 28.10                | 30.00                |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 3.80        | 20.23           | 19.96           | 20.79           | 20.14           | 26.31                | 30.00                |
| 2417MHz                        | Pass   | 3.80        | 21.12           | 20.82           | 21.85           | 20.94           | 27.22                | 30.00                |
| 2437MHz                        | Pass   | 3.80        | 23.69           | 23.65           | 23.86           | 24.34           | 29.91                | 30.00                |
| 2457MHz                        | Pass   | 3.80        | 21.78           | 21.36           | 21.76           | 21.68           | 27.67                | 30.00                |
| 2462MHz                        | Pass   | 3.80        | 19.21           | 18.89           | 19.39           | 19.26           | 25.21                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 3.80        | 19.21           | 18.97           | 19.76           | 19.25           | 25.33                | 30.00                |
| 2417MHz                        | Pass   | 3.80        | 20.20           | 19.90           | 20.83           | 20.10           | 26.29                | 30.00                |
| 2437MHz                        | Pass   | 3.80        | 23.87           | 23.39           | 24.04           | 24.13           | 29.89                | 30.00                |
| 2457MHz                        | Pass   | 3.80        | 22.93           | 22.47           | 22.94           | 22.97           | 28.85                | 30.00                |
| 2462MHz                        | Pass   | 3.80        | 17.79           | 17.47           | 17.94           | 17.88           | 23.79                | 30.00                |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2422MHz                        | Pass   | 3.80        | 17.94           | 18.09           | 18.77           | 18.08           | 24.25                | 30.00                |
| 2437MHz                        | Pass   | 3.80        | 19.40           | 18.45           | 19.58           | 19.55           | 25.29                | 30.00                |
| 2452MHz                        | Pass   | 3.80        | 16.81           | 16.82           | 17.46           | 16.95           | 23.04                | 30.00                |

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



## Average Power

## Appendix C.2

### Summary

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 26.88                | 0.48753            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 27.02                | 0.50350            |

## Result

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Port 3<br>(dBm) | Port 4<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 8.95        | 20.30           | 20.19           | 20.21           | 20.28           | 26.27                | 27.05                |
| 2417MHz                           | Pass   | 8.95        | 20.43           | 20.71           | 21.11           | 20.81           | 26.79                | 27.05                |
| 2437MHz                           | Pass   | 8.95        | 20.52           | 20.78           | 21.25           | 20.85           | 26.88                | 27.05                |
| 2457MHz                           | Pass   | 8.95        | 20.41           | 20.74           | 21.04           | 20.77           | 26.77                | 27.05                |
| 2462MHz                           | Pass   | 8.95        | 19.48           | 19.51           | 19.98           | 19.87           | 25.74                | 27.05                |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 8.95        | 18.09           | 17.97           | 18.96           | 18.56           | 24.43                | 27.05                |
| 2427MHz                           | Pass   | 8.95        | 19.73           | 19.29           | 20.11           | 19.69           | 25.74                | 27.05                |
| 2437MHz                           | Pass   | 8.95        | 20.90           | 20.41           | 21.70           | 20.90           | 27.02                | 27.05                |
| 2447MHz                           | Pass   | 8.95        | 19.69           | 19.11           | 20.37           | 19.58           | 25.73                | 27.05                |
| 2452MHz                           | Pass   | 8.95        | 18.84           | 18.73           | 19.41           | 19.20           | 25.07                | 27.05                |

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

## Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_4TX       | 3.69            |
| 802.11g_Nss1,(6Mbps)_4TX       | -0.08           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 4.34            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 1.48            |

RBW = 3kHz;



**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 8.95        | -0.07               | -1.37               | -0.23               | -0.43               | 3.34            | 5.05                  |
| 2437MHz                        | Pass   | 8.95        | -0.22               | -1.44               | 0.12                | -0.72               | 3.69            | 5.05                  |
| 2462MHz                        | Pass   | 8.95        | -1.27               | -2.62               | -1.66               | -2.30               | 2.70            | 5.05                  |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 8.95        | -9.08               | -9.41               | -8.49               | -9.45               | -3.47           | 5.05                  |
| 2437MHz                        | Pass   | 8.95        | -6.17               | -6.05               | -5.55               | -5.28               | -0.08           | 5.05                  |
| 2462MHz                        | Pass   | 8.95        | -10.11              | -10.23              | -10.00              | -10.08              | -4.38           | 5.05                  |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 8.95        | -1.60               | -1.88               | -1.03               | -1.26               | 4.34            | 5.05                  |
| 2437MHz                        | Pass   | 8.95        | -6.56               | -6.92               | -6.04               | -6.21               | -0.40           | 5.05                  |
| 2462MHz                        | Pass   | 8.95        | -2.24               | -2.72               | -2.07               | -1.91               | 3.73            | 5.05                  |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2422MHz                        | Pass   | 8.95        | -4.65               | -4.82               | -4.16               | -4.84               | 1.40            | 5.05                  |
| 2437MHz                        | Pass   | 8.95        | -4.89               | -4.84               | -3.89               | -4.62               | 1.48            | 5.05                  |
| 2452MHz                        | Pass   | 8.95        | -6.03               | -6.08               | -5.42               | -6.06               | -0.02           | 5.05                  |

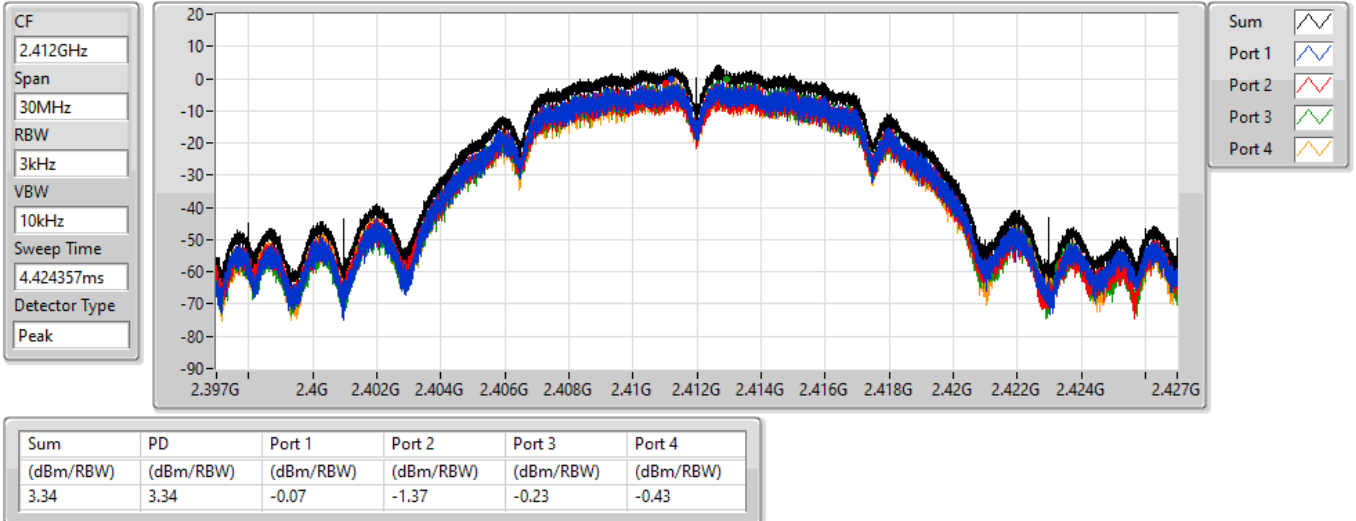
DG = Directional Gain; RBW = 3kHz;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11b\_Nss1,(1Mbps)\_4TX

## PSD

2412MHz

25/02/2022

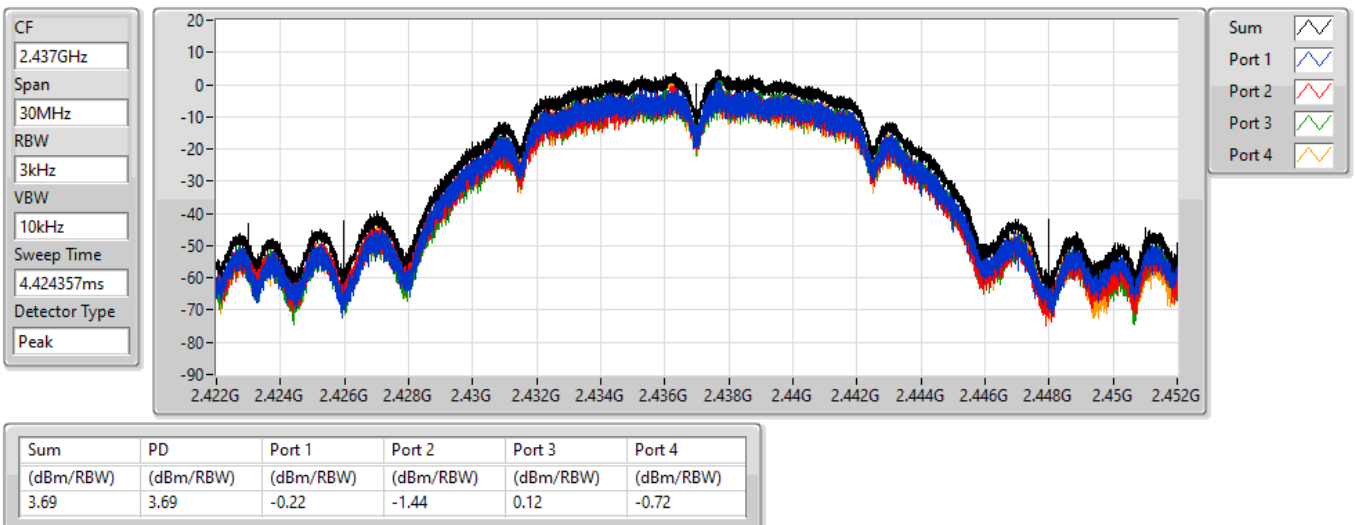


## 802.11b\_Nss1,(1Mbps)\_4TX

## PSD

2437MHz

25/02/2022

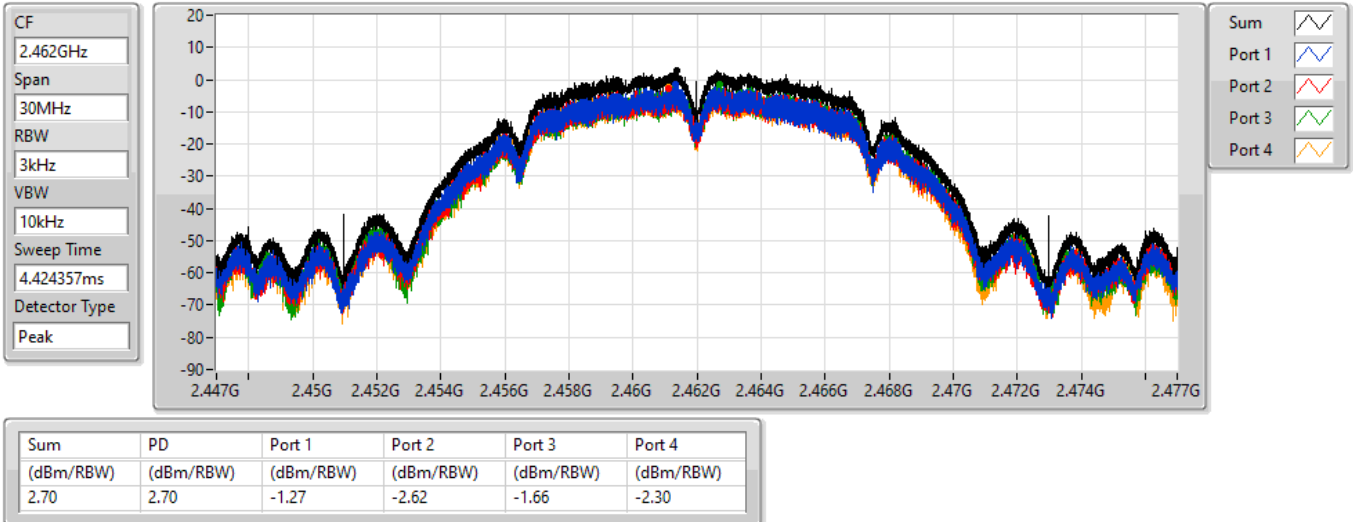


## 802.11b\_Nss1,(1Mbps)\_4TX

## PSD

2462MHz

25/02/2022

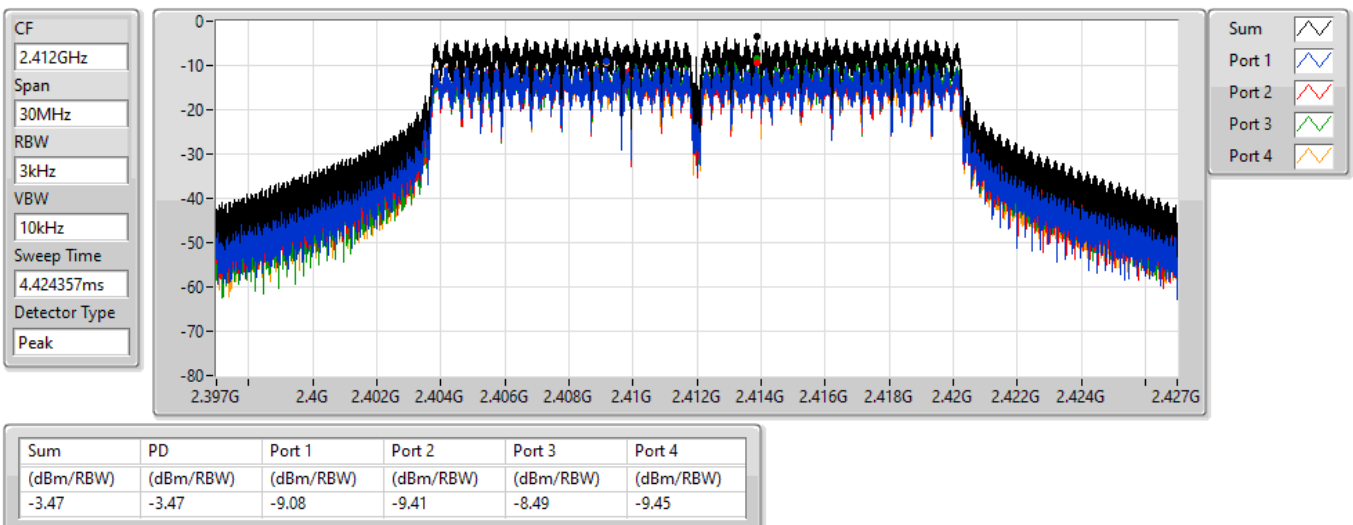


## 802.11g\_Nss1,(6Mbps)\_4TX

## PSD

2412MHz

25/02/2022

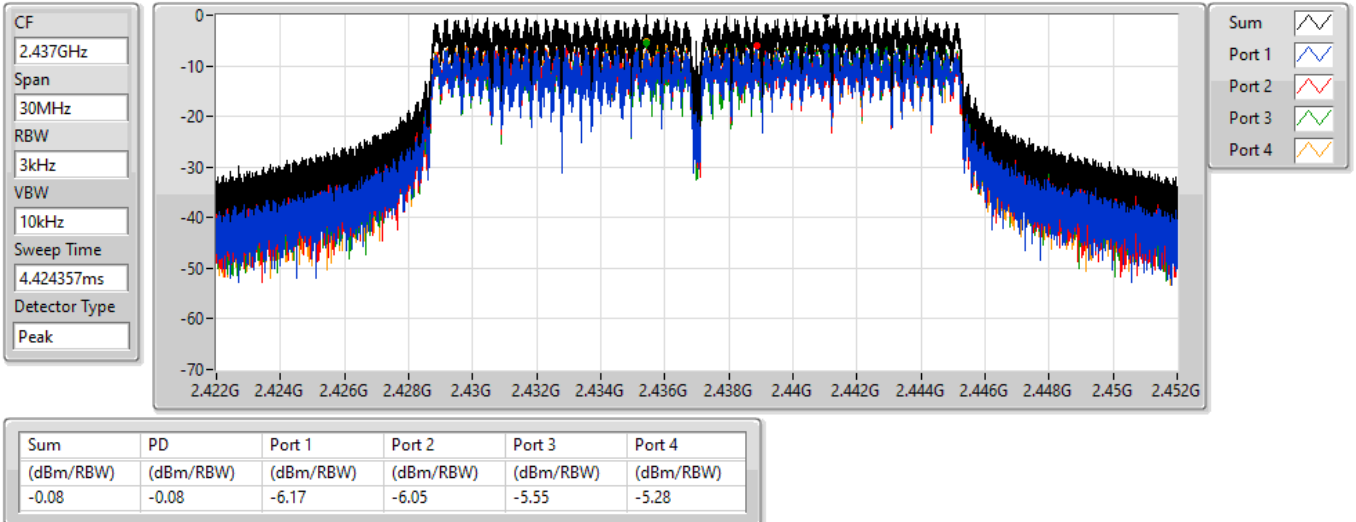


## 802.11g\_Nss1,(6Mbps)\_4TX

2437MHz

PSD

25/02/2022

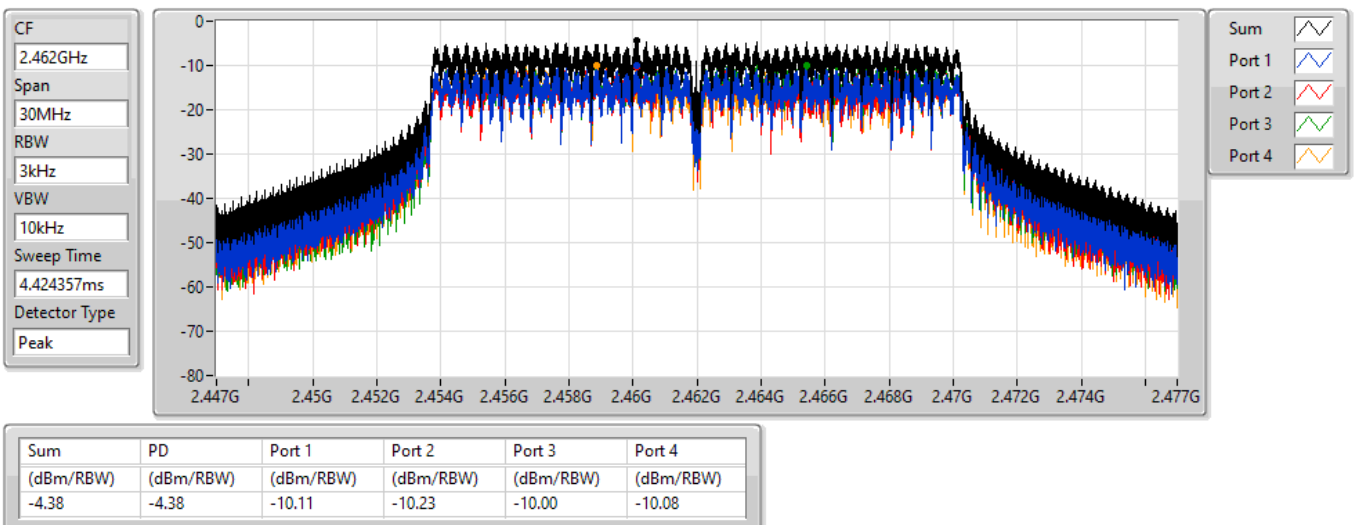


## 802.11g\_Nss1,(6Mbps)\_4TX

2462MHz

PSD

25/02/2022

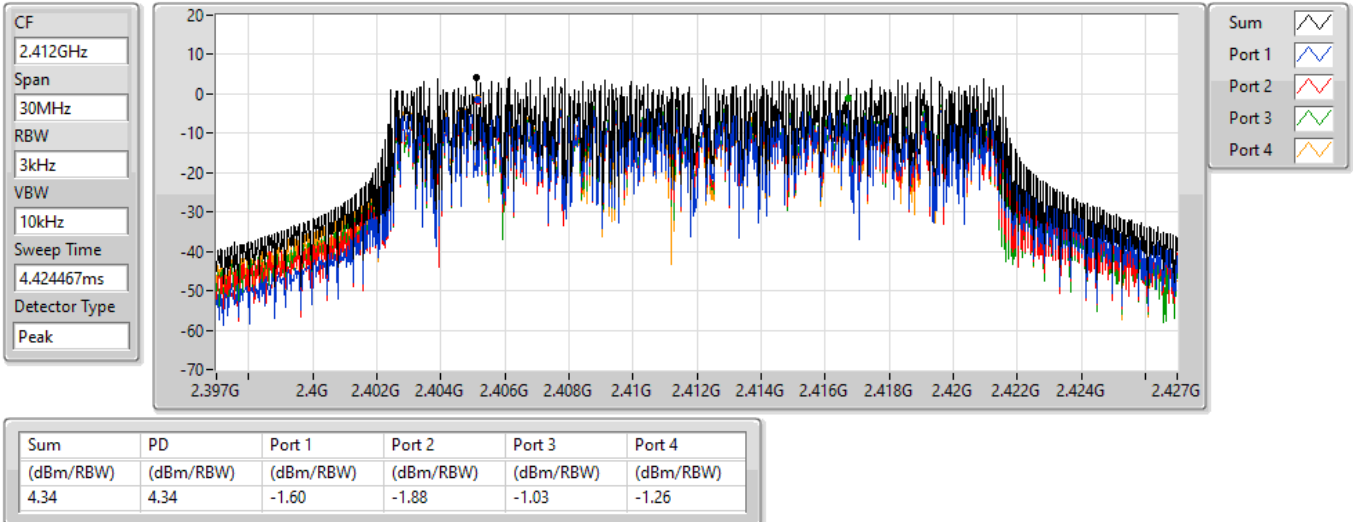


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

2412MHz

25/02/2022

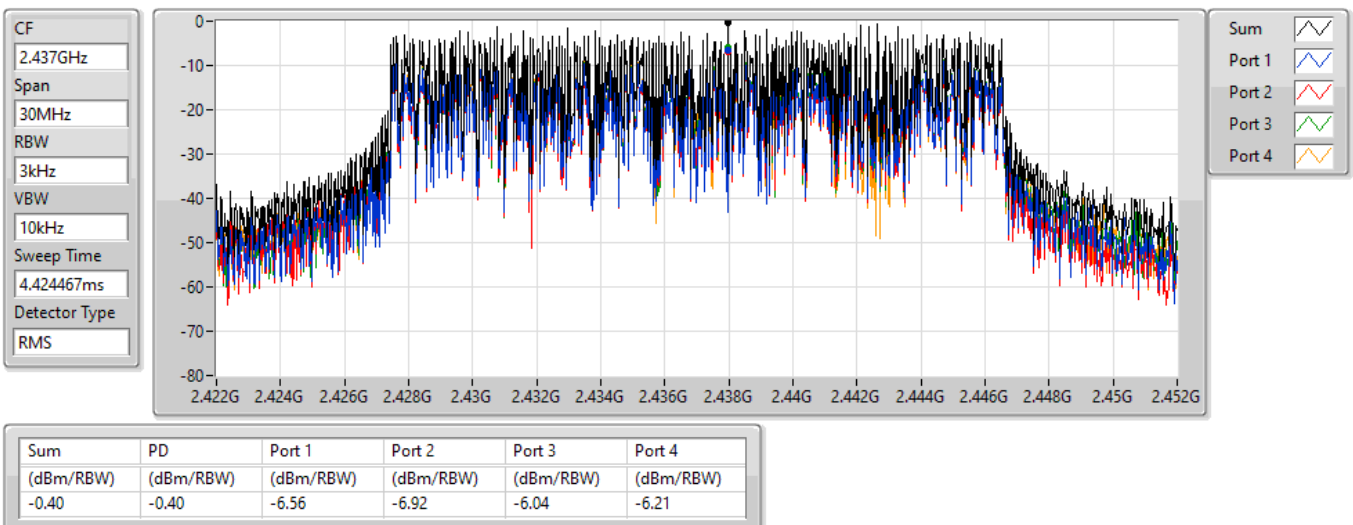


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

2437MHz

25/02/2022

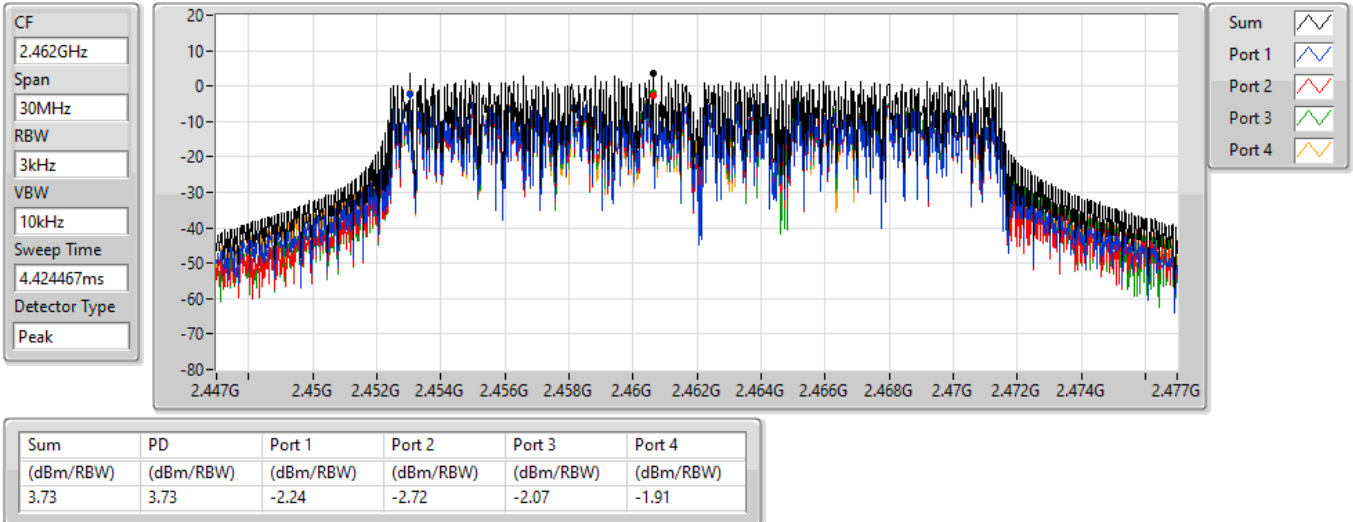


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

2462MHz

25/02/2022

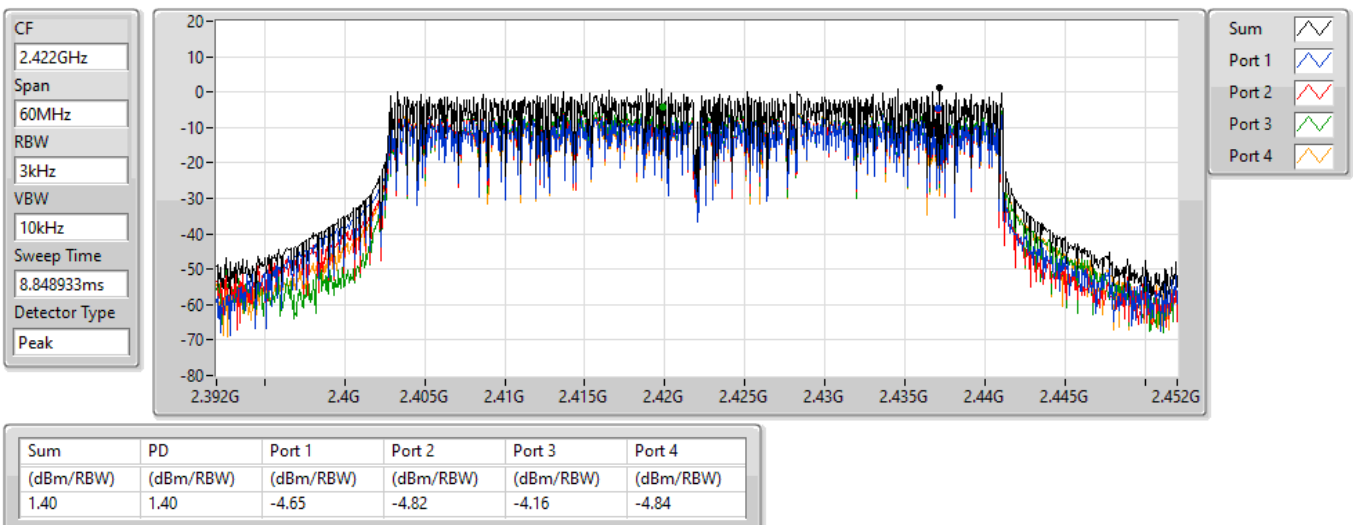


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

2422MHz

25/02/2022

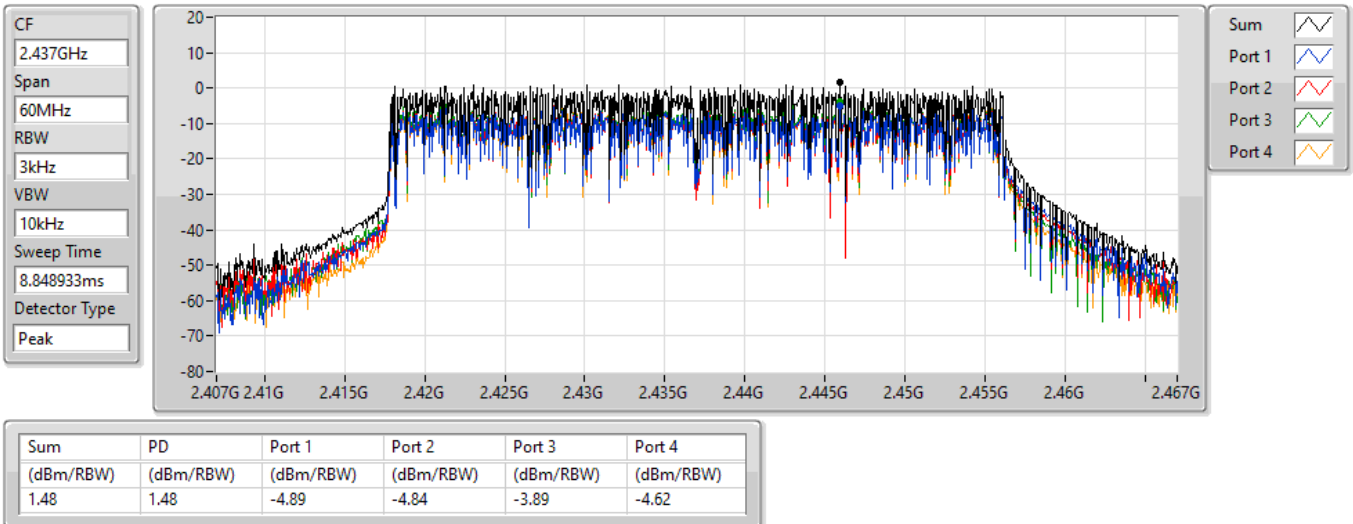


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

2437MHz

25/02/2022

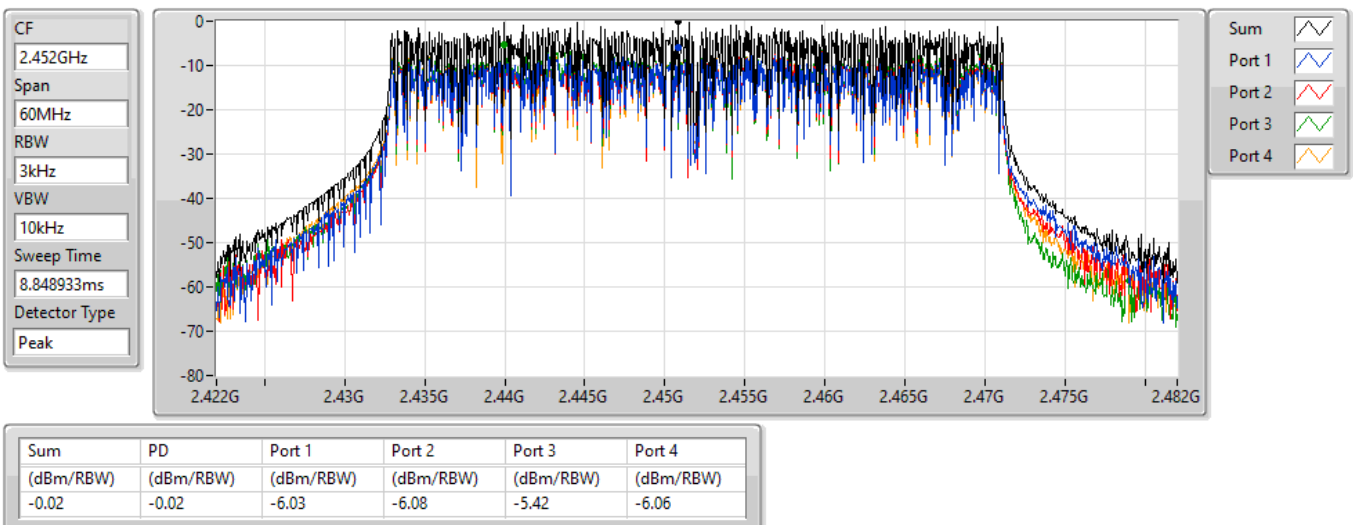


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

2452MHz

25/02/2022



**Summary**

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 2.4-2.4835GHz                     | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -3.35           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 3.41            |

RBW = 3kHz;



**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                           | Pass   | 8.95        | -9.32               | -9.54               | -9.39               | -9.41               | -3.44           | 5.05                  |
| 2437MHz                           | Pass   | 8.95        | -9.50               | -9.49               | -9.06               | -9.21               | -3.35           | 5.05                  |
| 2462MHz                           | Pass   | 8.95        | -10.12              | -9.87               | -9.71               | -9.76               | -3.84           | 5.05                  |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2422MHz                           | Pass   | 8.95        | -4.21               | -4.61               | -3.28               | -3.86               | 2.06            | 5.05                  |
| 2437MHz                           | Pass   | 8.95        | -1.65               | -1.81               | -0.06               | -1.54               | 3.41            | 5.05                  |
| 2452MHz                           | Pass   | 8.95        | -3.42               | -3.61               | -2.72               | -3.05               | 2.83            | 5.05                  |

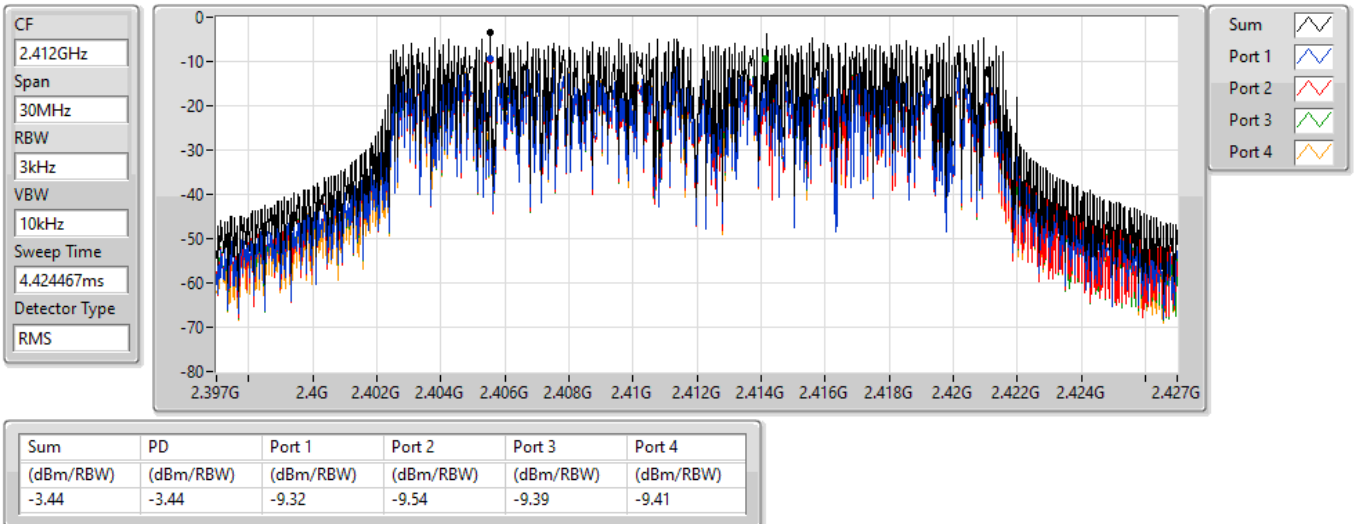
DG = Directional Gain; RBW = 3kHz;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

2412MHz

28/02/2022

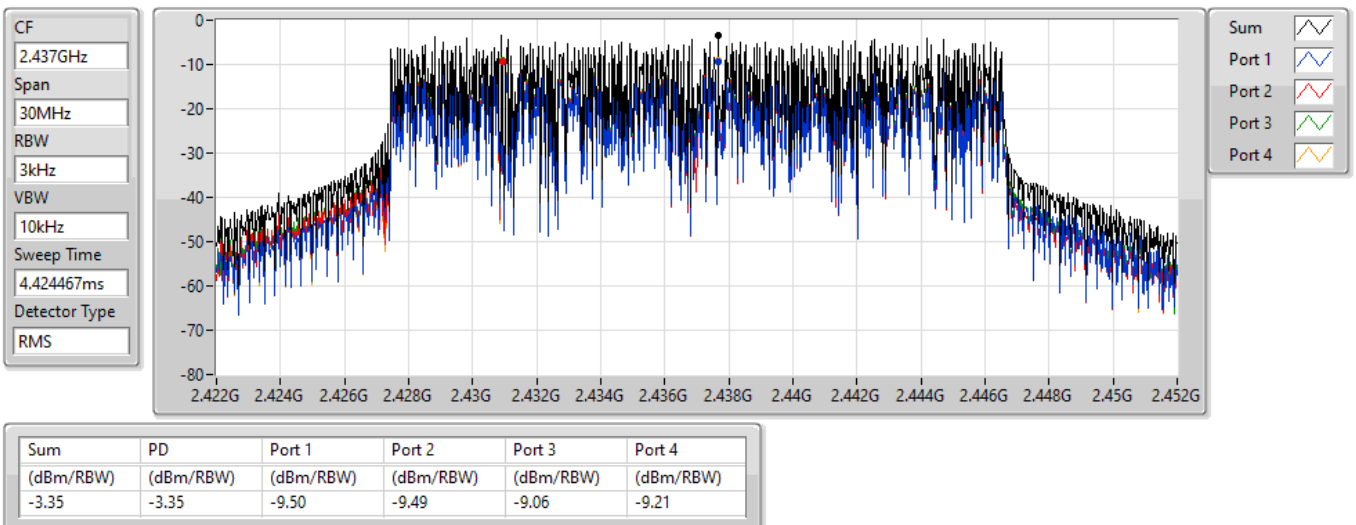


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

2437MHz

28/02/2022

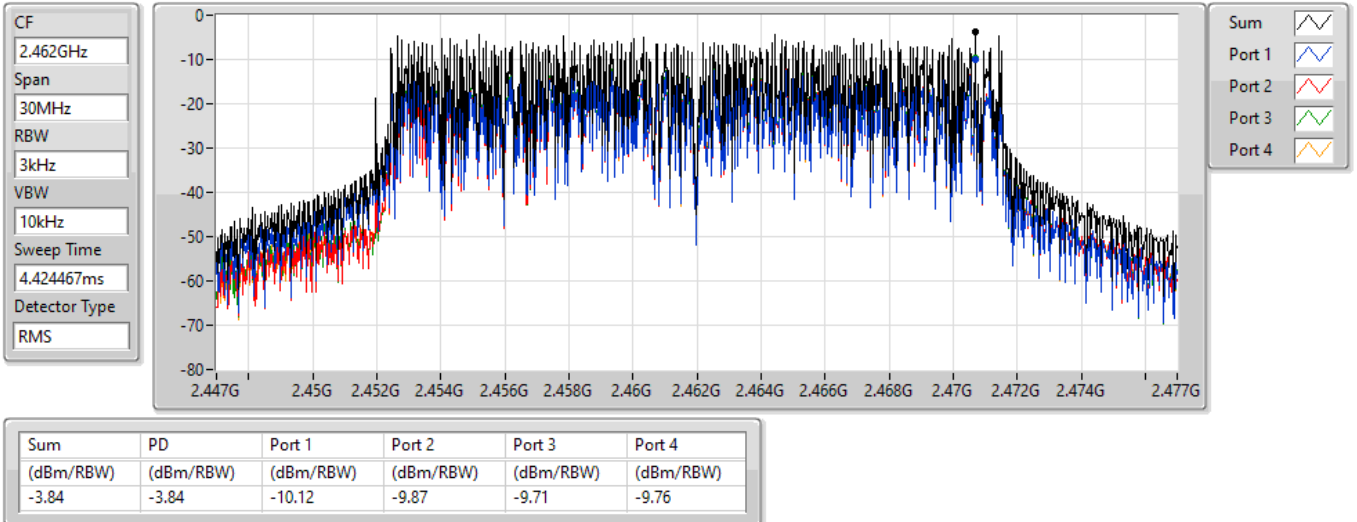


# 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

2462MHz

28/02/2022

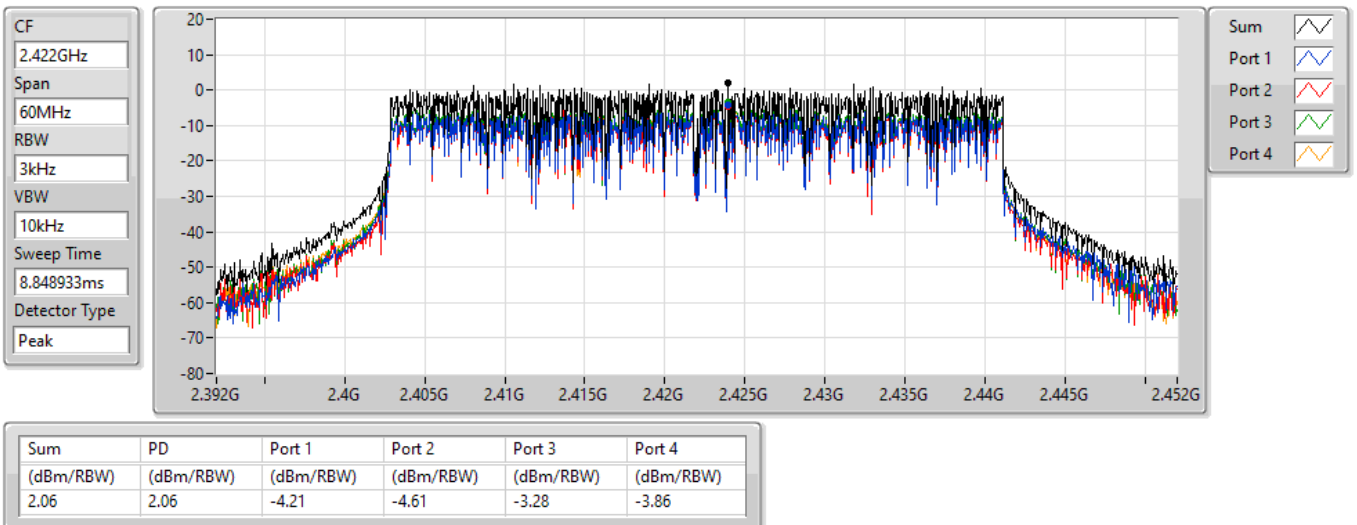


# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

2422MHz

28/02/2022

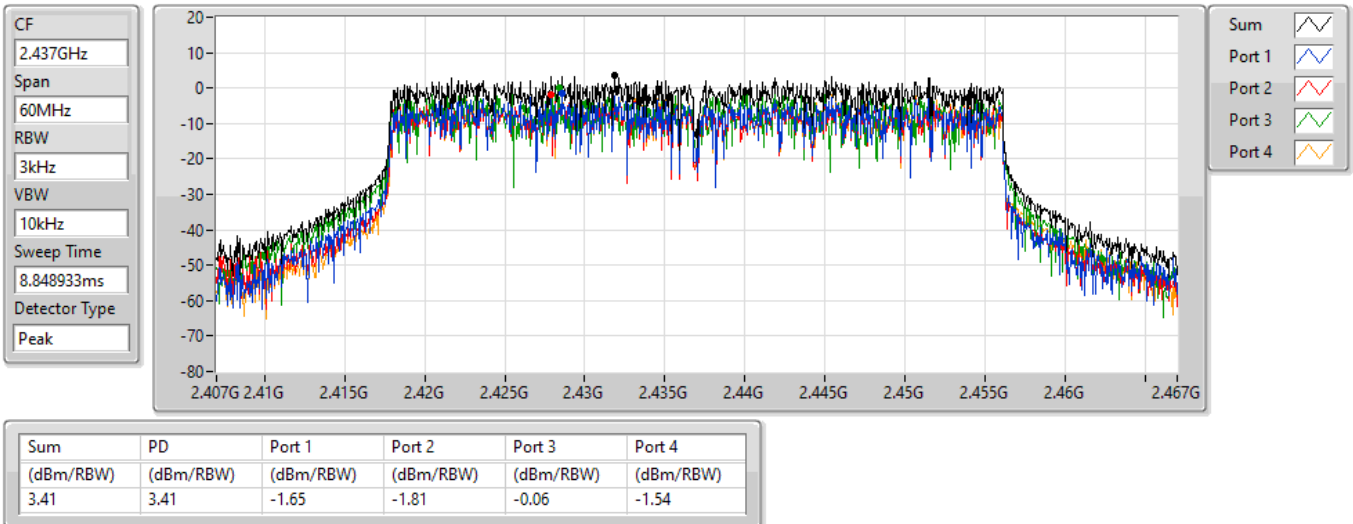


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

2437MHz

28/02/2022

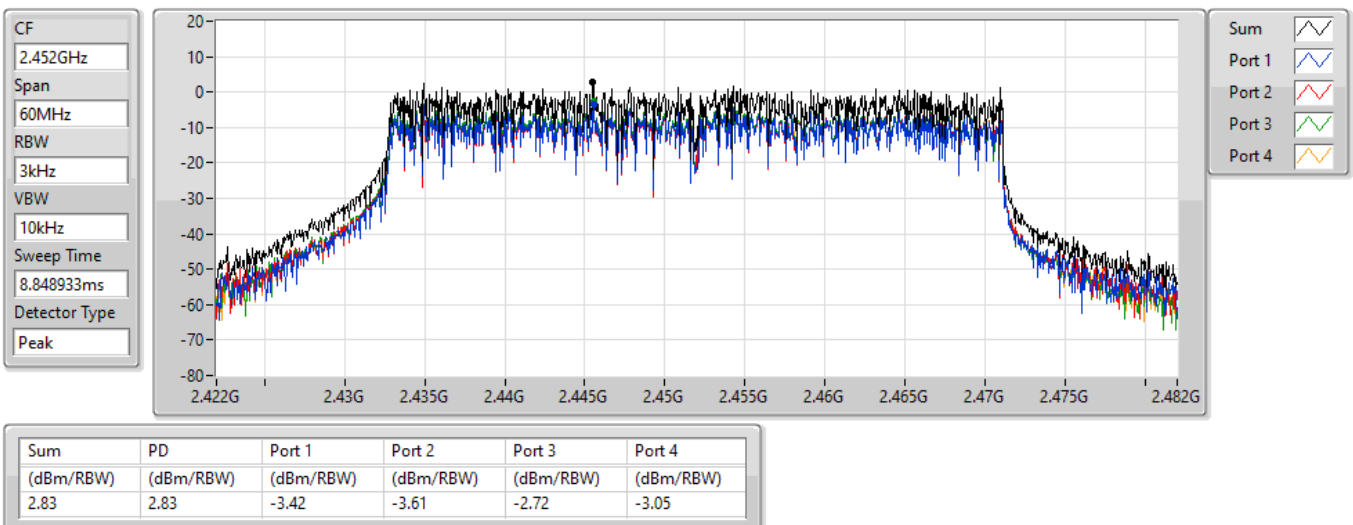


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

2452MHz

28/02/2022



**Summary**

| Mode                           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|--------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 2.4-2.4835GHz                  | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 802.11b_Nss1.(1Mbps)_4TX       | Pass   | 2.43599G    | 15.19        | -14.81         | 2.13807G     | -48.51         | 2.39952G     | -31.36         | 2.4G         | -35.17         | 2.49092G     | -46.79         | 7.23514G     | -32.14         | 1    |
| 802.11g_Nss1.(6Mbps)_4TX       | Pass   | 2.43636G    | 9.53         | -20.47         | 1.98604G     | -48.88         | 2.39988G     | -23.04         | 2.4G         | -24.92         | 2.50606G     | -47.08         | 7.23233G     | -39.34         | 1    |
| 802.11ax HEW20_Nss1.(MCS0)_4TX | Pass   | 2.43294G    | 8.51         | -21.49         | 2.17302G     | -48.67         | 2.39994G     | -25.74         | 2.4G         | -25.70         | 2.51356G     | -47.43         | 7.22952G     | -41.32         | 4    |
| 802.11ax HEW40_Nss1.(MCS0)_4TX | Pass   | 2.44739G    | 0.79         | -29.21         | 2.02888G     | -48.46         | 2.4G         | -29.49         | 2.4G         | -29.94         | 2.5505G      | -46.01         | 6.66938G     | -44.28         | 1    |

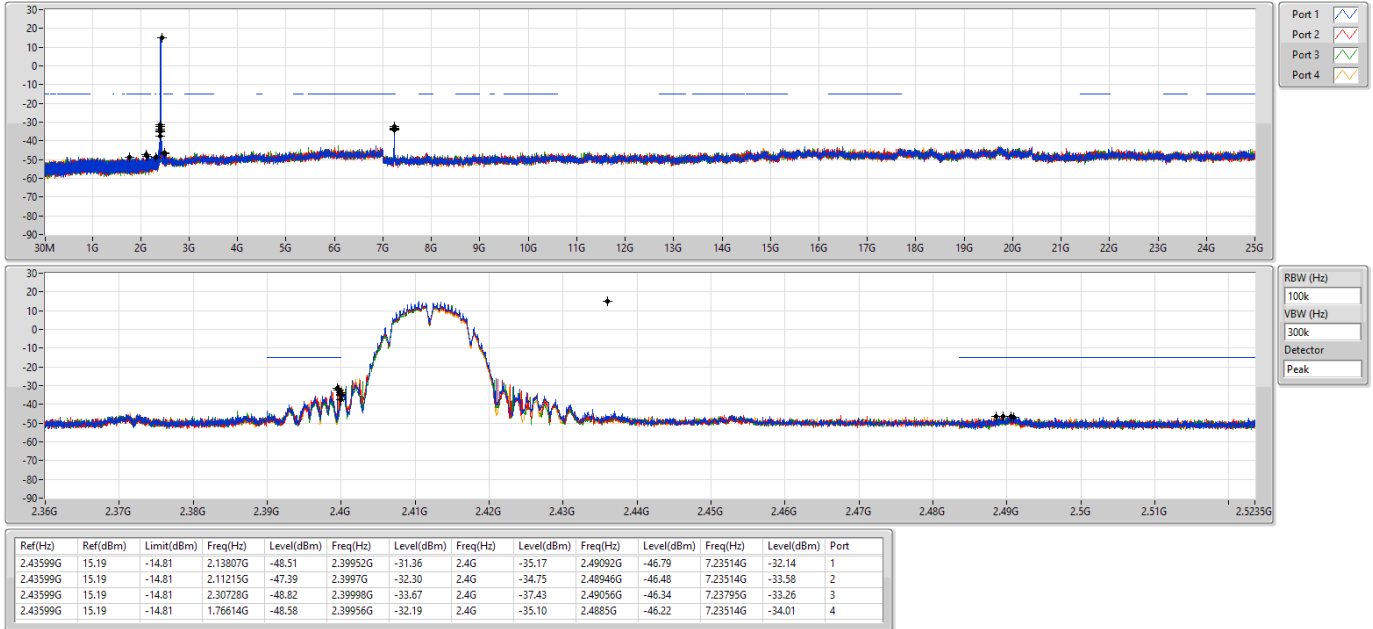
## Result

| Mode                           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|--------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_Nss1,(1Mbps)_4TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.13807G     | -48.51         | 2.39952G     | -31.36         | 2.4G         | -35.17         | 2.49092G     | -46.79         | 7.23514G     | -32.14         | 1    |
| 2412MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.11215G     | -47.39         | 2.3997G      | -32.30         | 2.4G         | -34.75         | 2.48946G     | -46.48         | 7.23514G     | -33.58         | 2    |
| 2412MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.30728G     | -48.82         | 2.39998G     | -33.67         | 2.4G         | -37.43         | 2.49056G     | -46.34         | 7.23795G     | -33.26         | 3    |
| 2412MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 1.76614G     | -48.58         | 2.39956G     | -32.19         | 2.4G         | -35.10         | 2.4885G      | -46.22         | 7.23514G     | -34.01         | 4    |
| 2437MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.30146G     | -48.55         | 2.39598G     | -45.00         | 2.4G         | -47.41         | 2.51622G     | -46.60         | 16.43926G    | -42.39         | 1    |
| 2437MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.30146G     | -48.38         | 2.39752G     | -45.56         | 2.4G         | -48.87         | 2.51386G     | -45.98         | 15.23396G    | -43.16         | 2    |
| 2437MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.30903G     | -48.76         | 2.39636G     | -44.75         | 2.4G         | -49.70         | 2.51544G     | -46.30         | 5.92869G     | -43.51         | 3    |
| 2437MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 1.98691G     | -48.55         | 2.39642G     | -44.29         | 2.4G         | -48.67         | 2.51432G     | -46.75         | 5.86688G     | -43.26         | 4    |
| 2462MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.11186G     | -49.02         | 2.39748G     | -47.07         | 2.4835G      | -48.96         | 2.48398G     | -45.04         | 6.27708G     | -43.70         | 1    |
| 2462MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.19399G     | -48.18         | 2.39208G     | -47.31         | 2.4835G      | -46.27         | 2.48448G     | -46.47         | 5.79945G     | -43.27         | 2    |
| 2462MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.19894G     | -48.79         | 2.39688G     | -46.90         | 2.4835G      | -48.80         | 2.50144G     | -45.93         | 6.96823G     | -43.19         | 3    |
| 2462MHz                        | Pass   | 2.43599G    | 15.19        | -14.81         | 2.30699G     | -48.36         | 2.39794G     | -48.17         | 2.4835G      | -46.71         | 2.50096G     | -46.46         | 16.47298G    | -43.36         | 4    |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 1.98604G     | -48.88         | 2.39988G     | -23.04         | 2.4G         | -24.92         | 2.50606G     | -47.08         | 7.23233G     | -39.34         | 1    |
| 2412MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 2.06118G     | -47.56         | 2.3999G      | -23.33         | 2.4G         | -24.23         | 2.50854G     | -47.01         | 7.23233G     | -38.67         | 2    |
| 2412MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 541.44M      | -48.84         | 2.39992G     | -23.46         | 2.4G         | -24.81         | 2.49688G     | -47.42         | 7.23795G     | -39.64         | 3    |
| 2412MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 2.14506G     | -48.24         | 2.3999G      | -23.50         | 2.4G         | -24.07         | 2.49074G     | -47.72         | 7.23514G     | -39.08         | 4    |
| 2437MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 2.30321G     | -48.52         | 2.39954G     | -44.82         | 2.4G         | -46.65         | 2.49922G     | -45.39         | 6.62265G     | -43.46         | 1    |
| 2437MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 959.38M      | -48.97         | 2.39978G     | -45.29         | 2.4G         | -49.06         | 2.48884G     | -46.98         | 6.88113G     | -43.49         | 2    |
| 2437MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 843.75M      | -47.53         | 2.39936G     | -45.92         | 2.4G         | -48.08         | 2.51294G     | -46.63         | 15.3042G     | -44.02         | 3    |
| 2437MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 2.08972G     | -48.72         | 2.39824G     | -45.13         | 2.4G         | -47.54         | 2.48468G     | -46.35         | 6.92608G     | -42.47         | 4    |
| 2462MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 2.30146G     | -48.17         | 2.3977G      | -47.17         | 2.4835G      | -47.80         | 2.48476G     | -45.03         | 17.66704G    | -42.70         | 1    |
| 2462MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 867.34M      | -48.71         | 2.39634G     | -47.82         | 2.4835G      | -47.12         | 2.48356G     | -43.45         | 16.37183G    | -43.64         | 2    |
| 2462MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 1.91905G     | -48.68         | 2.39568G     | -48.22         | 2.4835G      | -47.63         | 2.4844G      | -46.21         | 6.97666G     | -42.58         | 3    |
| 2462MHz                        | Pass   | 2.43636G    | 9.53         | -20.47         | 2.30117G     | -48.12         | 2.3911G      | -48.08         | 2.4835G      | -48.63         | 2.48448G     | -44.79         | 6.92327G     | -43.74         | 4    |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 1.78536G     | -48.63         | 2.4G         | -31.44         | 2.4G         | -31.42         | 2.52208G     | -46.16         | 7.23795G     | -40.69         | 1    |
| 2412MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 2.30466G     | -47.78         | 2.39978G     | -28.73         | 2.4G         | -29.28         | 2.48862G     | -47.14         | 17.69795G    | -42.20         | 2    |
| 2412MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 2.19049G     | -48.29         | 2.39998G     | -27.52         | 2.4G         | -27.23         | 2.52204G     | -47.44         | 7.23795G     | -41.82         | 3    |
| 2412MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 2.17302G     | -48.67         | 2.39994G     | -25.74         | 2.4G         | -25.70         | 2.51356G     | -47.43         | 7.22952G     | -41.32         | 4    |
| 2437MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 879.58M      | -48.09         | 2.39612G     | -43.25         | 2.4G         | -48.10         | 2.49406G     | -46.84         | 16.26226G    | -44.12         | 1    |
| 2437MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 769.48M      | -49.06         | 2.39732G     | -44.21         | 2.4835G      | -48.94         | 2.49856G     | -46.38         | 6.94856G     | -43.63         | 2    |
| 2437MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 2.05186G     | -48.99         | 2.39586G     | -43.84         | 2.4835G      | -49.07         | 2.50588G     | -47.00         | 5.83878G     | -43.91         | 3    |
| 2437MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 2.30583G     | -48.14         | 2.39652G     | -41.93         | 2.4G         | -48.01         | 2.48432G     | -46.56         | 17.68671G    | -43.98         | 4    |
| 2462MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 906.08M      | -48.80         | 2.39168G     | -47.21         | 2.4835G      | -47.19         | 2.48452G     | -45.03         | 6.49341G     | -44.08         | 1    |
| 2462MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 843.17M      | -47.90         | 2.39348G     | -48.03         | 2.4835G      | -45.84         | 2.48366G     | -44.63         | 5.79383G     | -43.31         | 2    |
| 2462MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 729.29M      | -47.88         | 2.3986G      | -47.55         | 2.4835G      | -47.33         | 2.49622G     | -46.31         | 17.68109G    | -42.69         | 3    |
| 2462MHz                        | Pass   | 2.43294G    | 8.51         | -21.49         | 903.17M      | -49.34         | 2.3933G      | -48.43         | 2.4835G      | -48.42         | 2.48364G     | -45.84         | 6.95418G     | -42.32         | 4    |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 2.02888G     | -48.46         | 2.4G         | -29.49         | 2.4G         | -29.94         | 2.5505G      | -46.01         | 6.66938G     | -44.28         | 1    |
| 2422MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 2.19119G     | -48.62         | 2.4G         | -31.45         | 2.4G         | -31.33         | 2.51862G     | -47.05         | 5.87288G     | -43.46         | 2    |
| 2422MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 911.08M      | -48.58         | 2.39992G     | -38.61         | 2.4G         | -39.17         | 2.48786G     | -47.18         | 16.88921G    | -43.52         | 3    |
| 2422MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 2.19806G     | -48.18         | 2.4G         | -33.85         | 2.4G         | -33.10         | 2.54682G     | -47.09         | 5.83082G     | -43.63         | 4    |
| 2437MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 924.53M      | -48.69         | 2.39276G     | -46.76         | 2.4G         | -47.22         | 2.4881G      | -46.77         | 17.64363G    | -44.24         | 1    |
| 2437MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 860.13M      | -48.73         | 2.39916G     | -43.22         | 2.4G         | -46.18         | 2.49262G     | -46.21         | 6.9919G      | -43.48         | 2    |
| 2437MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 1.7601G      | -49.08         | 2.39908G     | -44.73         | 2.4G         | -47.67         | 2.49486G     | -47.30         | 16.23574G    | -43.16         | 3    |
| 2437MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 2.30454G     | -49.10         | 2.39716G     | -45.46         | 2.4G         | -47.91         | 2.4989G      | -46.52         | 6.78717G     | -43.60         | 4    |
| 2452MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 886.75M      | -49.28         | 2.3994G      | -47.73         | 2.4835G      | -47.67         | 2.48898G     | -44.52         | 6.90777G     | -44.22         | 1    |
| 2452MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 2.30683G     | -49.05         | 2.39528G     | -46.56         | 2.4835G      | -46.49         | 2.48378G     | -43.29         | 16.519G      | -43.57         | 2    |
| 2452MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 2.30855G     | -48.04         | 2.39168G     | -47.80         | 2.4835G      | -49.36         | 2.48966G     | -46.30         | 6.98349G     | -43.53         | 3    |
| 2452MHz                        | Pass   | 2.44739G    | 0.79         | -29.21         | 957.45M      | -48.33         | 2.39748G     | -48.04         | 2.4835G      | -48.68         | 2.48414G     | -46.13         | 15.21208G    | -43.51         | 4    |

## 802.11b\_Nss1,(1Mbps)\_4TX

CSENdB

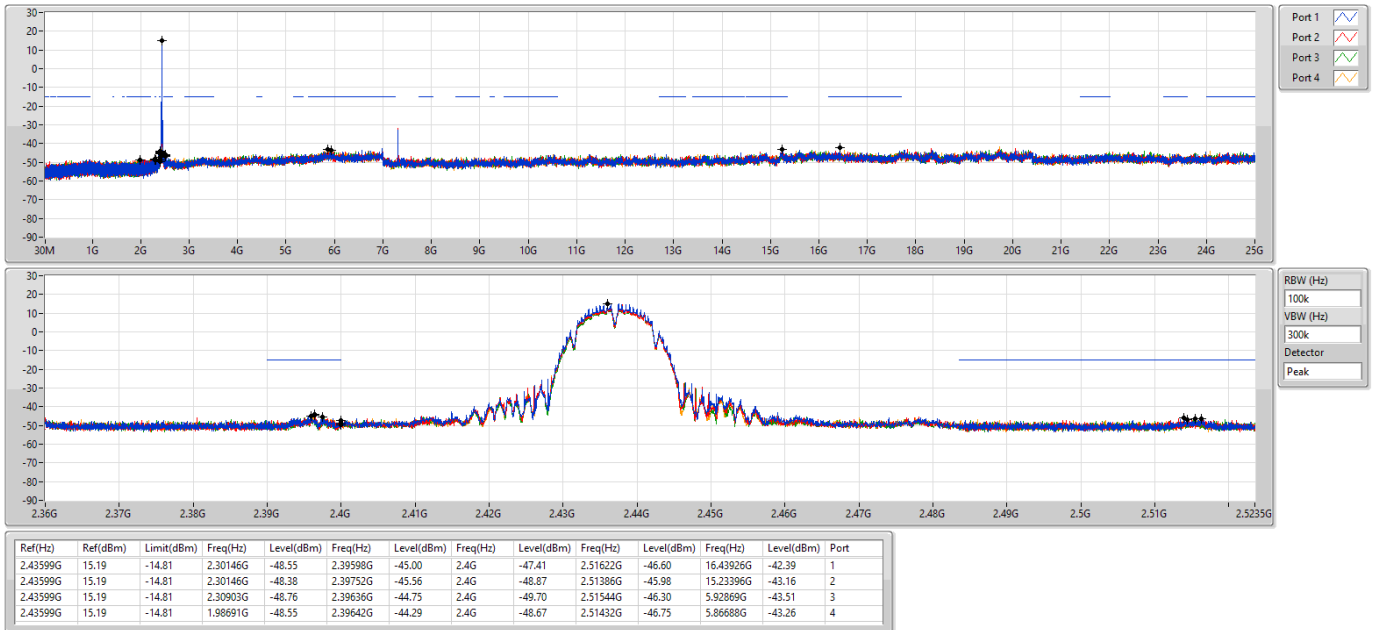
2412MHz



## 802.11b\_Nss1,(1Mbps)\_4TX

CSENdB

2437MHz

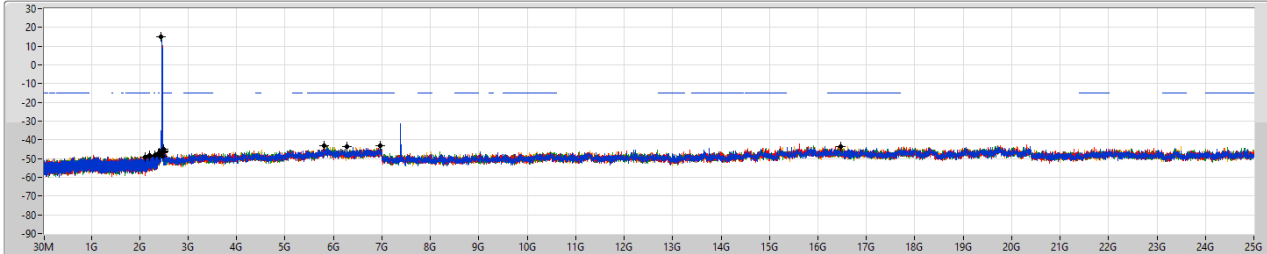


## 802.11b\_Nss1,(1Mbps)\_4TX

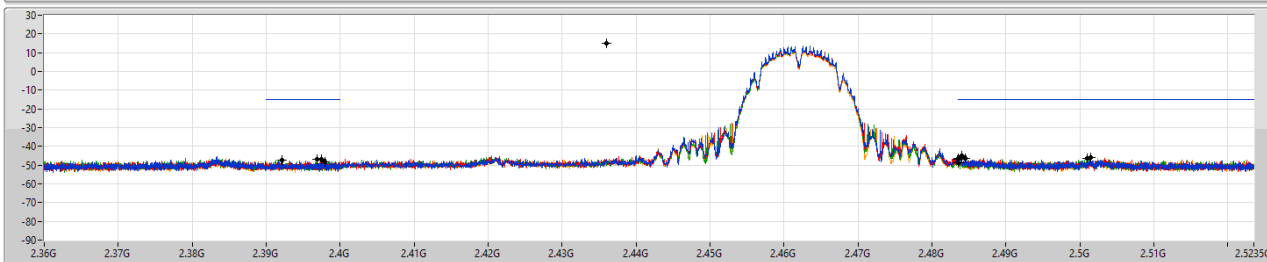
CSENdB

2462MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

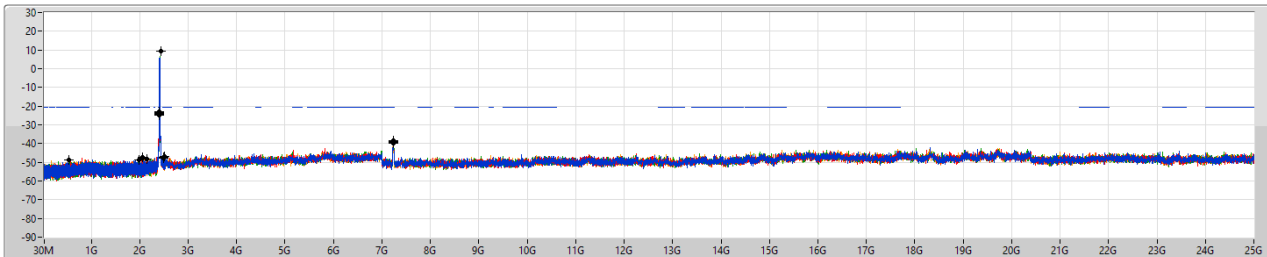
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43599G | 15.19    | -14.81     | 2.11186G | -49.02     | 2.39748G | -47.07     | 2.4835G  | -48.96     | 2.48398G | -45.04     | 6.27708G  | -43.70     | 1    |
| 2.43599G | 15.19    | -14.81     | 2.19399G | -48.18     | 2.39208G | -47.31     | 2.4835G  | -46.27     | 2.48448G | -46.47     | 5.79945G  | -43.27     | 2    |
| 2.43599G | 15.19    | -14.81     | 2.19894G | -48.79     | 2.39688G | -46.90     | 2.4835G  | -48.80     | 2.50144G | -45.93     | 6.96823G  | -43.19     | 3    |
| 2.43599G | 15.19    | -14.81     | 2.30699G | -48.36     | 2.39794G | -48.17     | 2.4835G  | -46.71     | 2.50096G | -46.46     | 16.47298G | -43.36     | 4    |

## 802.11g\_Nss1,(6Mbps)\_4TX

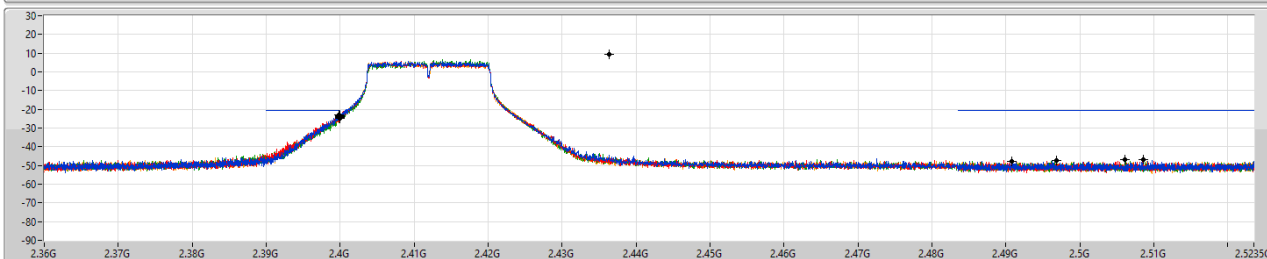
CSENdB

2412MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

| 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 |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.43636G | 9.53     | -20.47     | 1.98604G | -48.88     | 2.39988G | -23.04     | 2.4G     | -24.92     | 2.50606G | -47.08     | 7.23233G | -39.34     | 1    |
| 2.43636G | 9.53     | -20.47     | 2.06118G | -47.56     | 2.3999G  | -23.33     | 2.4G     | -24.23     | 2.50854G | -47.01     | 7.23233G | -38.67     | 2    |
| 2.43636G | 9.53     | -20.47     | 541.44M  | -48.84     | 2.39992G | -23.46     | 2.4G     | -24.81     | 2.49688G | -47.42     | 7.23795G | -39.64     | 3    |
| 2.43636G | 9.53     | -20.47     | 2.14506G | -48.24     | 2.3999G  | -23.50     | 2.4G     | -24.07     | 2.49074G | -47.72     | 7.23514G | -39.08     | 4    |

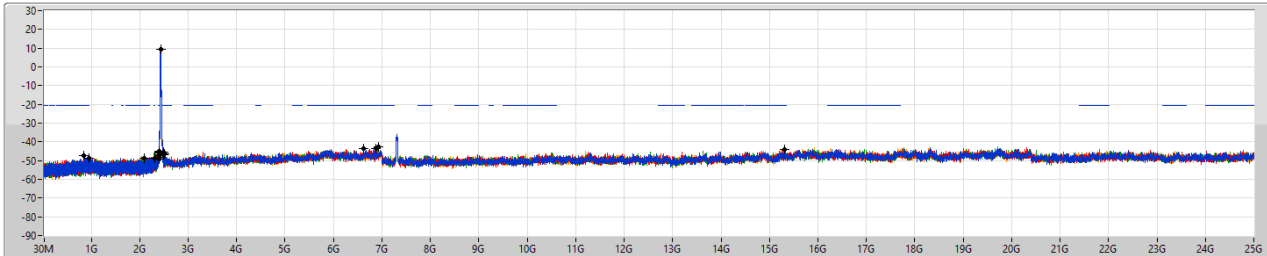


## 802.11g\_Nss1,(6Mbps)\_4TX

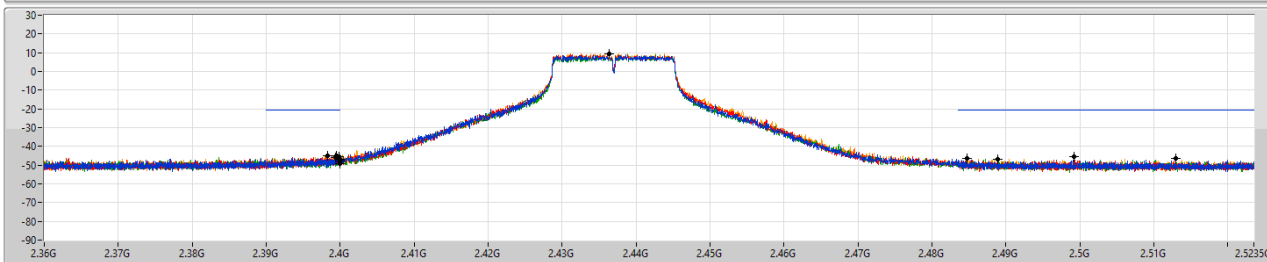
2437MHz

CSENdB

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

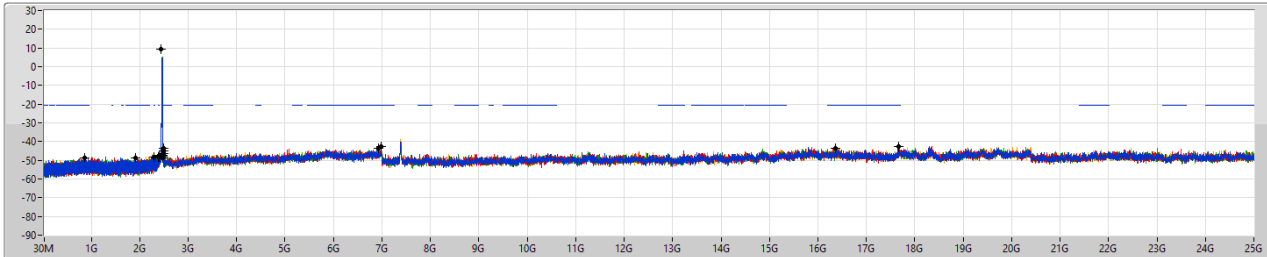
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.43636G | 9.53     | -20.47     | 2.30321G | -48.52     | 2.39954G | -44.82     | 2.4G     | -46.65     | 2.49922G | -45.39     | 6.62265G | -43.46     | 1    |
| 2.43636G | 9.53     | -20.47     | 999.38M  | -48.97     | 2.39978G | -45.29     | 2.4G     | -49.06     | 2.48884G | -46.98     | 6.88113G | -43.49     | 2    |
| 2.43636G | 9.53     | -20.47     | 843.75M  | -47.53     | 2.39936G | -45.92     | 2.4G     | -48.08     | 2.51294G | -46.63     | 15.3042G | -44.02     | 3    |
| 2.43636G | 9.53     | -20.47     | 2.08972G | -48.72     | 2.39824G | -45.13     | 2.4G     | -47.54     | 2.48468G | -46.35     | 6.92608G | -42.47     | 4    |

## 802.11g\_Nss1,(6Mbps)\_4TX

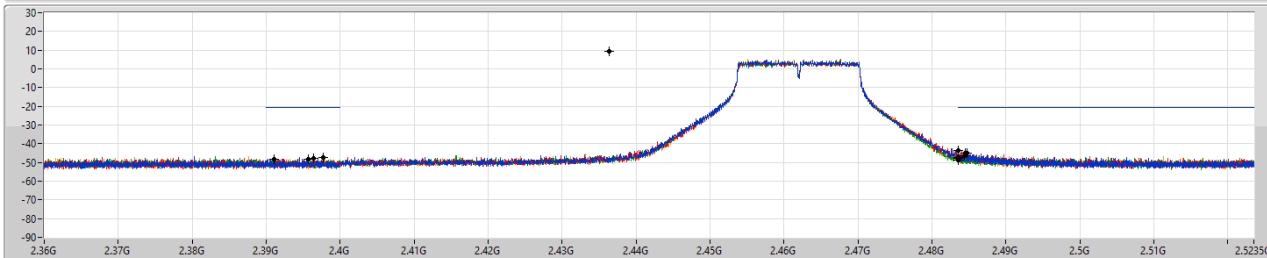
2462MHz

CSENdB

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

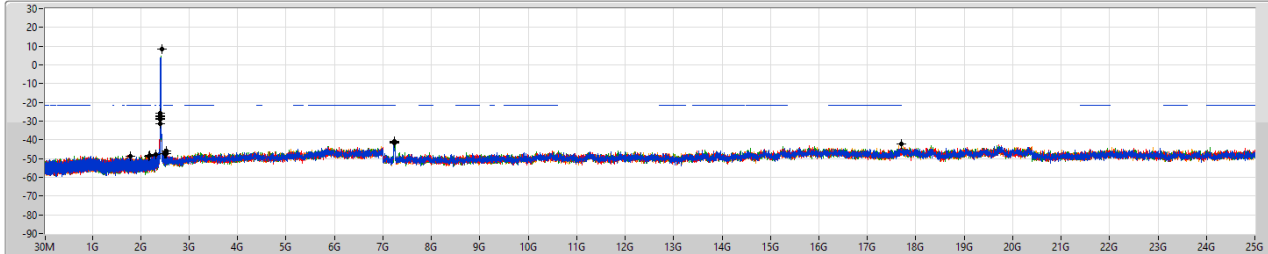
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43636G | 9.53     | -20.47     | 2.30146G | -48.17     | 2.3977G  | -47.17     | 2.4835G  | -47.80     | 2.48476G | -45.03     | 17.66704G | -42.70     | 1    |
| 2.43636G | 9.53     | -20.47     | 867.34M  | -48.71     | 2.39634G | -47.82     | 2.4835G  | -47.12     | 2.48356G | -43.45     | 16.37183G | -43.64     | 2    |
| 2.43636G | 9.53     | -20.47     | 1.91905G | -48.68     | 2.39568G | -48.22     | 2.4835G  | -47.63     | 2.4844G  | -46.21     | 6.97666G  | -42.58     | 3    |
| 2.43636G | 9.53     | -20.47     | 2.30117G | -48.12     | 2.3911G  | -48.08     | 2.4835G  | -48.63     | 2.48448G | -44.79     | 6.92327G  | -43.74     | 4    |

802.11ax HEW20\_Nss1,(MCS0)\_4TX

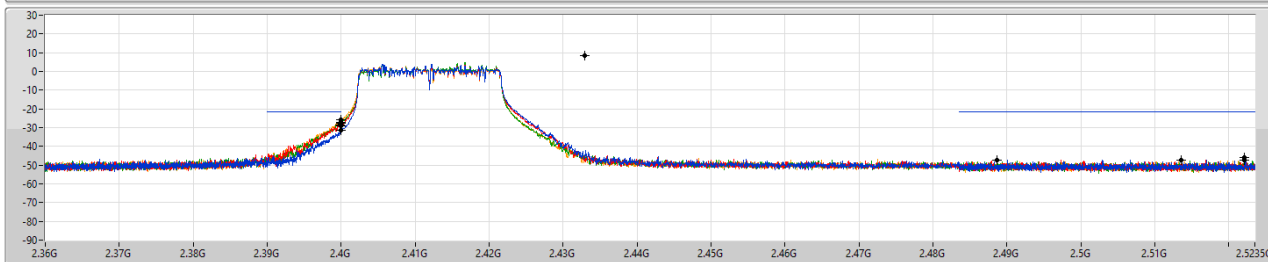
CSENdB

2412MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

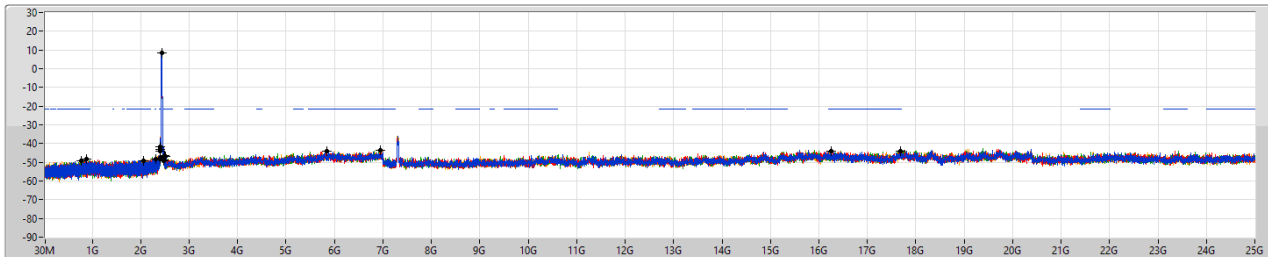
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43294G | 8.51     | -21.49     | 1.78536G | -48.63     | 2.4G     | -31.44     | 2.4G     | -31.42     | 2.52208G | -46.16     | 7.23795G  | -40.69     | 1    |
| 2.43294G | 8.51     | -21.49     | 2.30466G | -47.78     | 2.39978G | -28.73     | 2.4G     | -29.28     | 2.48862G | -47.14     | 17.69795G | -42.20     | 2    |
| 2.43294G | 8.51     | -21.49     | 2.19049G | -48.29     | 2.39998G | -27.52     | 2.4G     | -27.23     | 2.52204G | -47.44     | 7.23795G  | -41.82     | 3    |
| 2.43294G | 8.51     | -21.49     | 2.17302G | -48.67     | 2.39994G | -25.74     | 2.4G     | -25.70     | 2.51356G | -47.43     | 7.22952G  | -41.32     | 4    |

802.11ax HEW20\_Nss1,(MCS0)\_4TX

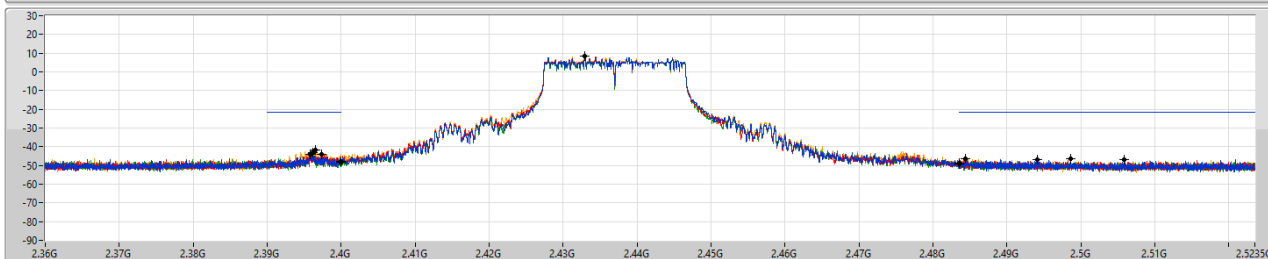
CSENdB

2437MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

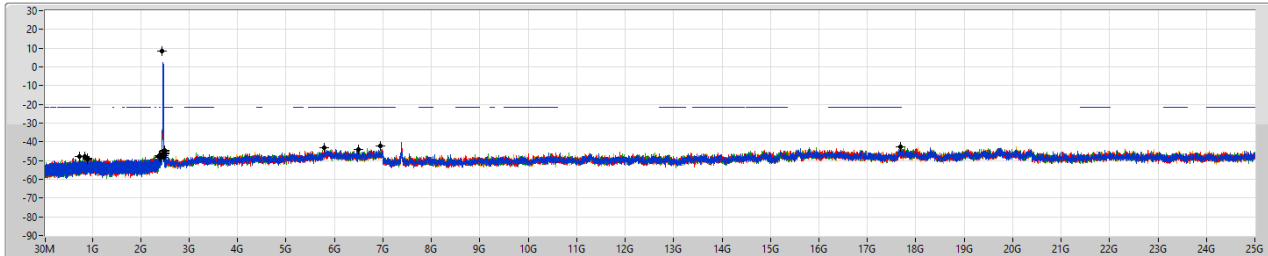
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43294G | 8.51     | -21.49     | 879.58M  | -48.09     | 2.39612G | -43.25     | 2.4G     | -48.10     | 2.49406G | -46.84     | 16.26226G | -44.12     | 1    |
| 2.43294G | 8.51     | -21.49     | 769.48M  | -49.06     | 2.39732G | -44.21     | 2.4835G  | -48.94     | 2.48656G | -46.38     | 6.94856G  | -43.63     | 2    |
| 2.43294G | 8.51     | -21.49     | 2.05166G | -48.99     | 2.39586G | -43.94     | 2.4835G  | -49.07     | 2.50588G | -47.00     | 5.83878G  | -43.91     | 3    |
| 2.43294G | 8.51     | -21.49     | 2.30583G | -48.14     | 2.39652G | -41.93     | 2.4G     | -48.01     | 2.48432G | -46.56     | 17.68671G | -43.98     | 4    |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

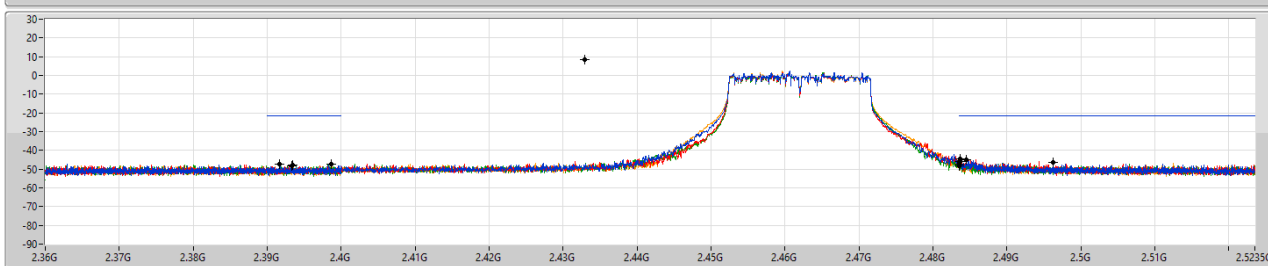
CSENdB

2462MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

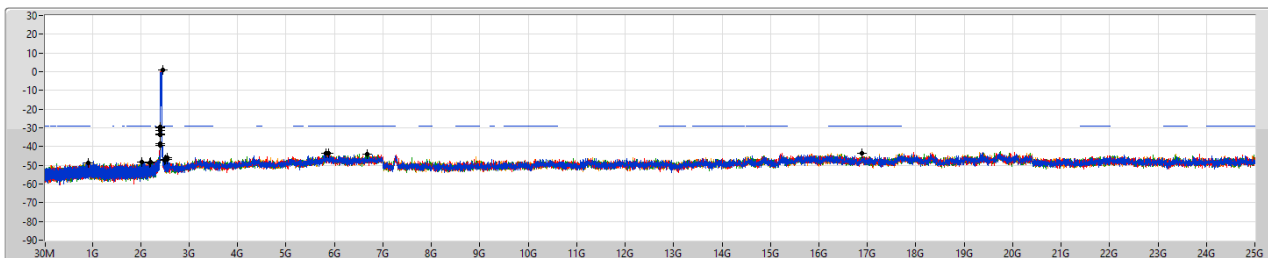
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43294G | 8.51     | -21.49     | 906.08M  | -48.80     | 2.39168G | -47.21     | 2.4835G  | -47.19     | 2.48452G | -45.03     | 6.49341G  | -44.08     | 1    |
| 2.43294G | 8.51     | -21.49     | 843.17M  | -47.90     | 2.39348G | -48.03     | 2.4835G  | -45.84     | 2.48366G | -44.63     | 5.79383G  | -43.31     | 2    |
| 2.43294G | 8.51     | -21.49     | 729.29M  | -47.88     | 2.3986G  | -47.55     | 2.4835G  | -47.33     | 2.49622G | -46.31     | 17.68109G | -42.69     | 3    |
| 2.43294G | 8.51     | -21.49     | 903.17M  | -49.34     | 2.3933G  | -48.43     | 2.4835G  | -48.42     | 2.48364G | -45.84     | 6.99418G  | -42.32     | 4    |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

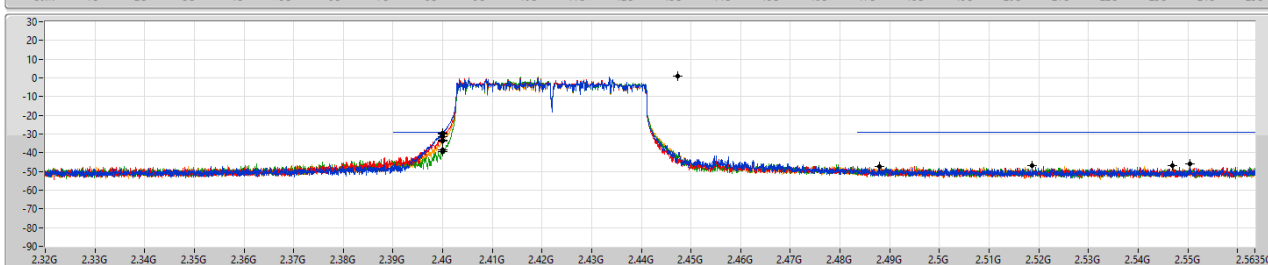
CSENdB

2422MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

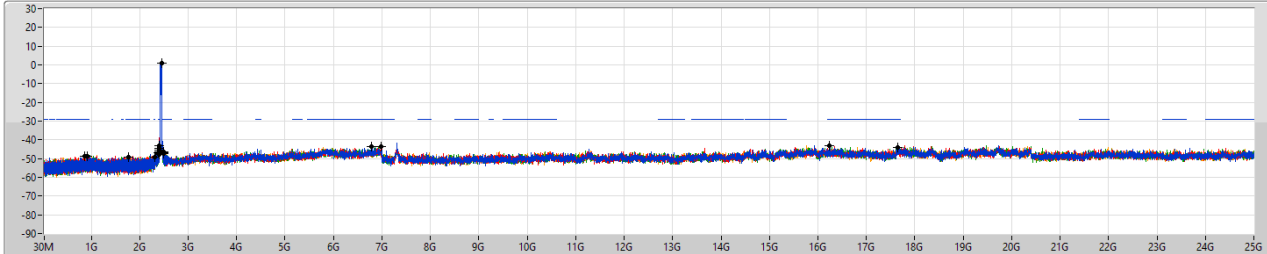
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.44739G | 0.79     | -29.21     | 2.02888G | -48.46     | 2.4G     | -29.49     | 2.4G     | -29.94     | 2.5505G  | -46.01     | 6.66938G  | -44.28     | 1    |
| 2.44739G | 0.79     | -29.21     | 2.19119G | -48.62     | 2.4G     | -31.45     | 2.4G     | -31.33     | 2.51863G | -47.05     | 5.87288G  | -43.46     | 2    |
| 2.44739G | 0.79     | -29.21     | 911.08M  | -48.58     | 2.39992G | -38.61     | 2.4G     | -39.17     | 2.46786G | -47.18     | 16.68921G | -43.52     | 3    |
| 2.44739G | 0.79     | -29.21     | 2.19806G | -48.18     | 2.4G     | -33.85     | 2.4G     | -33.10     | 2.54682G | -47.09     | 5.83082G  | -43.63     | 4    |

802.11ax HEW40\_Nss1,(MCS0)\_4TX

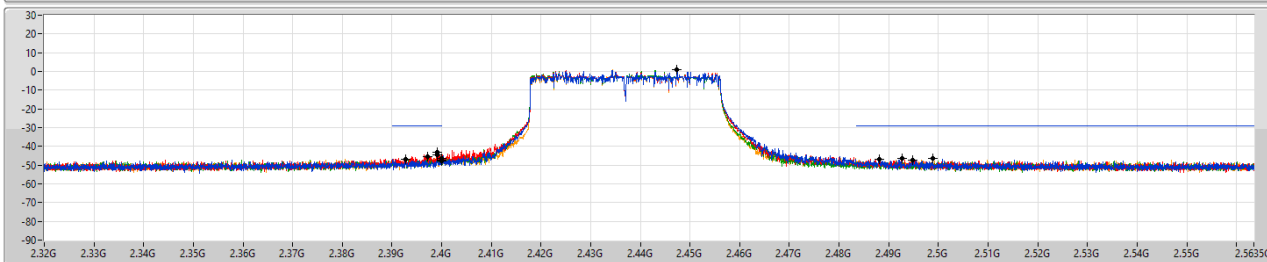
CSENdB

2437MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

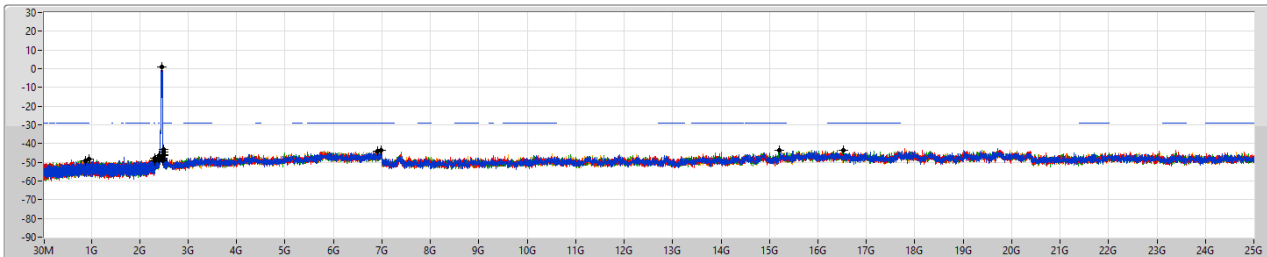
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.44739G | 0.79     | -29.21     | 924.53M  | -48.69     | 2.39276G | -46.76     | 2.4G     | -47.22     | 2.4881G  | -46.77     | 17.6436G  | -44.24     | 1    |
| 2.44739G | 0.79     | -29.21     | 860.13M  | -48.73     | 2.39916G | -43.22     | 2.4G     | -46.18     | 2.49262G | -46.21     | 6.9919G   | -43.48     | 2    |
| 2.44739G | 0.79     | -29.21     | 1.7601G  | -49.08     | 2.39908G | -44.73     | 2.4G     | -47.67     | 2.49486G | -47.30     | 16.23574G | -43.16     | 3    |
| 2.44739G | 0.79     | -29.21     | 2.30454G | -49.10     | 2.39716G | -45.46     | 2.4G     | -47.91     | 2.4989G  | -46.52     | 6.78717G  | -43.60     | 4    |

802.11ax HEW40\_Nss1,(MCS0)\_4TX

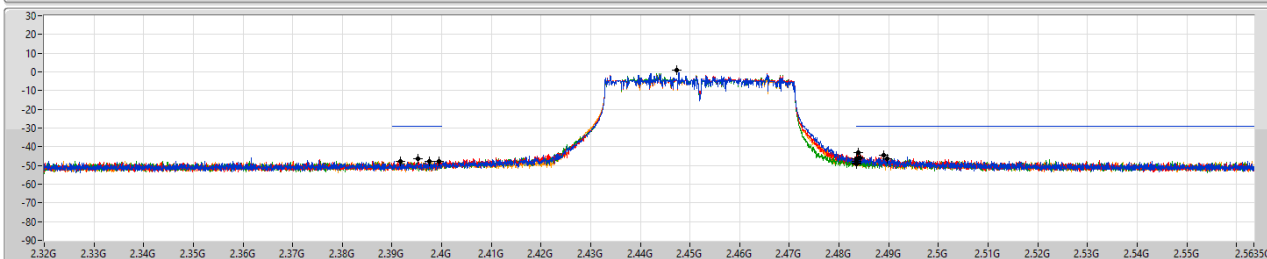
CSENdB

2452MHz

25/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

| 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 |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.44739G | 0.79     | -29.21     | 886.75M  | -49.28     | 2.3994G  | -47.73     | 2.4835G  | -47.67     | 2.48898G | -44.52     | 6.90777G  | -44.22     | 1    |
| 2.44739G | 0.79     | -29.21     | 2.30683G | -49.05     | 2.39528G | -46.56     | 2.4835G  | -46.49     | 2.48378G | -43.29     | 16.519G   | -43.57     | 2    |
| 2.44739G | 0.79     | -29.21     | 2.30855G | -48.04     | 2.39168G | -47.80     | 2.4835G  | -49.36     | 2.48966G | -46.30     | 6.98349G  | -43.53     | 3    |
| 2.44739G | 0.79     | -29.21     | 957.45M  | -48.33     | 2.39748G | -48.04     | 2.4835G  | -48.68     | 2.48414G | -46.13     | 15.21208G | -43.51     | 4    |

## Summary

| Mode                              | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|-----------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 2.4-2.4835GHz                     | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | Pass   | 2.43883G    | 5.93         | -24.07         | 901.13M      | -47.33         | 2.39992G     | -25.22         | 2.4G         | -24.91         | 2.51788G     | -45.35         | 24.89043G    | -39.65         | 1    |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | Pass   | 2.4435G     | 5.19         | -24.81         | 848.68M      | -47.26         | 2.4G         | -31.41         | 2.4G         | -31.33         | 2.48906G     | -46.25         | 23.44066G    | -39.52         | 4    |

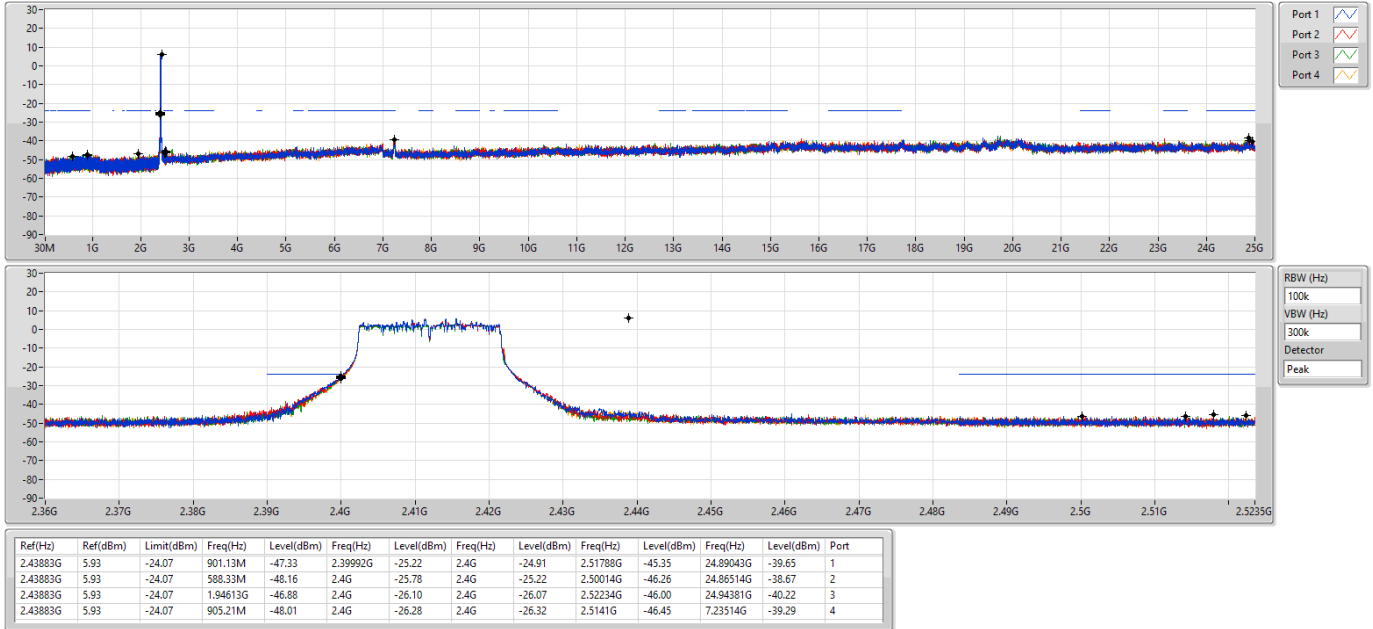
## Result

| Mode                              | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|-----------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11ax HEW20-BF_Nss1.(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 901.13M      | -47.33         | 2.39992G     | -25.22         | 2.4G         | -24.91         | 2.51788G     | -45.35         | 24.89043G    | -39.65         | 1    |
| 2412MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 588.33M      | -48.16         | 2.4G         | -25.78         | 2.4G         | -25.22         | 2.50014G     | -46.26         | 24.86514G    | -38.67         | 2    |
| 2412MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 1.94613G     | -46.88         | 2.4G         | -26.10         | 2.4G         | -26.07         | 2.52234G     | -46.00         | 24.94381G    | -40.22         | 3    |
| 2412MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 905.21M      | -48.01         | 2.4G         | -26.28         | 2.4G         | -26.32         | 2.5141G      | -46.45         | 7.23514G     | -39.29         | 4    |
| 2437MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 2.15583G     | -46.70         | 2.39942G     | -46.03         | 2.4G         | -48.51         | 2.50332G     | -45.49         | 24.48023G    | -39.82         | 1    |
| 2437MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 807.35M      | -46.32         | 2.3909G      | -46.81         | 2.4G         | -49.24         | 2.51724G     | -46.70         | 24.88481G    | -40.14         | 2    |
| 2437MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 2.09904G     | -47.49         | 2.3982G      | -46.37         | 2.4G         | -49.29         | 2.48624G     | -46.50         | 24.97471G    | -39.94         | 3    |
| 2437MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 861.52M      | -46.00         | 2.39722G     | -46.76         | 2.4835G      | -49.60         | 2.49188G     | -46.43         | 23.21312G    | -39.66         | 4    |
| 2462MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 1.96274G     | -47.32         | 2.39676G     | -45.81         | 2.4835G      | -46.51         | 2.48354G     | -42.78         | 24.52237G    | -40.22         | 1    |
| 2462MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 689.68M      | -47.71         | 2.39126G     | -46.30         | 2.4835G      | -44.87         | 2.48352G     | -43.34         | 24.93538G    | -39.80         | 2    |
| 2462MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 2.11215G     | -47.35         | 2.3941G      | -45.83         | 2.4G         | -48.57         | 2.48392G     | -45.04         | 15.30982G    | -39.51         | 3    |
| 2462MHz                           | Pass   | 2.43883G    | 5.93         | -24.07         | 934.62M      | -47.78         | 2.39468G     | -46.46         | 2.4835G      | -47.22         | 2.48372G     | -43.99         | 24.87638G    | -38.57         | 4    |
| 802.11ax HEW40-BF_Nss1.(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 2.09472G     | -47.95         | 2.4G         | -33.85         | 2.4G         | -33.55         | 2.54418G     | -46.81         | 24.08291G    | -40.01         | 1    |
| 2422MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 2.19033G     | -46.32         | 2.4G         | -33.54         | 2.4G         | -33.48         | 2.5169G      | -45.81         | 23.36214G    | -39.32         | 2    |
| 2422MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 734.18M      | -47.83         | 2.39992G     | -33.34         | 2.4G         | -32.94         | 2.54062G     | -45.99         | 17.03224G    | -39.71         | 3    |
| 2422MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 848.68M      | -47.26         | 2.4G         | -31.41         | 2.4G         | -31.33         | 2.48906G     | -46.25         | 23.44066G    | -39.52         | 4    |
| 2437MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 922.81M      | -47.35         | 2.3988G      | -43.40         | 2.4G         | -44.13         | 2.48418G     | -43.78         | 15.02417G    | -40.24         | 1    |
| 2437MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 639.43M      | -47.54         | 2.39828G     | -40.81         | 2.4G         | -42.23         | 2.48742G     | -43.92         | 17.16686G    | -39.26         | 2    |
| 2437MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 927.97M      | -46.51         | 2.39996G     | -41.90         | 2.4G         | -41.46         | 2.48638G     | -45.46         | 15.02417G    | -39.70         | 3    |
| 2437MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 2.19405G     | -47.70         | 2.39764G     | -41.76         | 2.4G         | -46.52         | 2.48406G     | -43.75         | 24.00158G    | -39.79         | 4    |
| 2452MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 815.76M      | -47.16         | 2.39828G     | -47.45         | 2.4835G      | -43.82         | 2.48422G     | -42.33         | 24.86258G    | -39.18         | 1    |
| 2452MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 894.76M      | -47.69         | 2.3996G      | -46.62         | 2.4835G      | -45.46         | 2.4865G      | -42.85         | 15.2878G     | -39.35         | 2    |
| 2452MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 660.32M      | -47.96         | 2.395G       | -47.22         | 2.4835G      | -46.88         | 2.48786G     | -45.12         | 24.87099G    | -39.27         | 3    |
| 2452MHz                           | Pass   | 2.4435G     | 5.19         | -24.81         | 829.78M      | -47.44         | 2.4G         | -46.41         | 2.4835G      | -46.74         | 2.48806G     | -44.94         | 24.96354G    | -39.55         | 4    |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

CSENdB

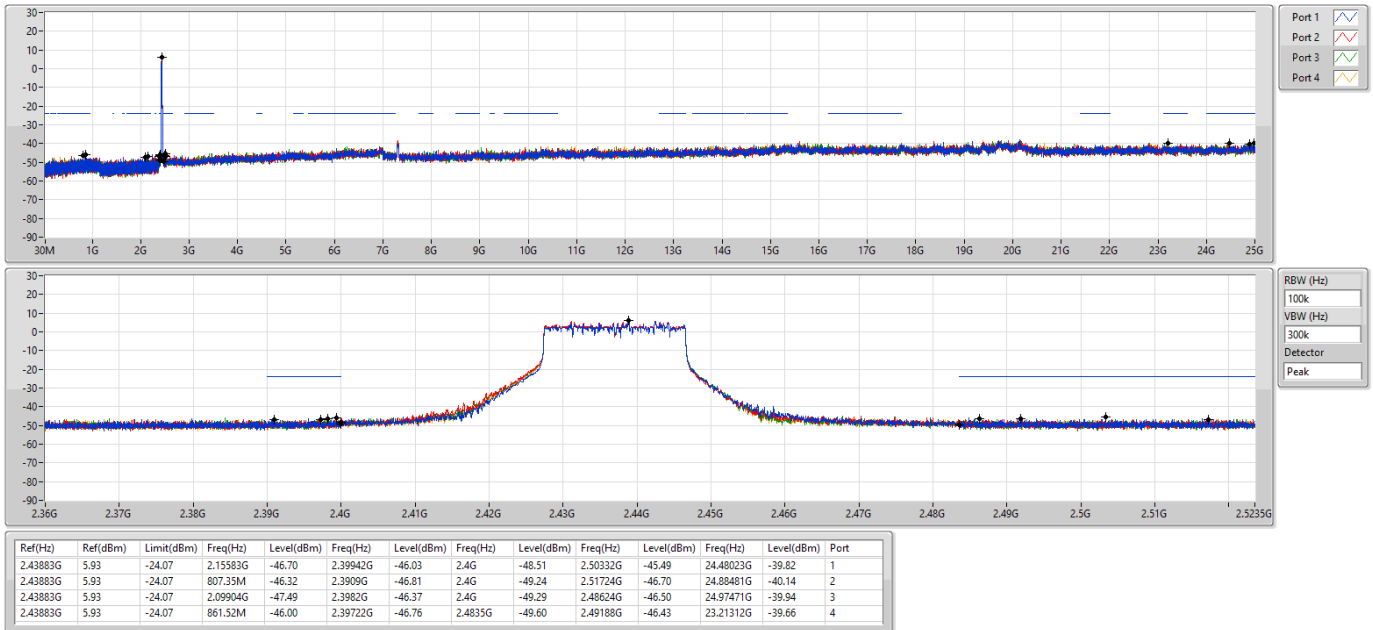
2412MHz



## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

CSENdB

2437MHz

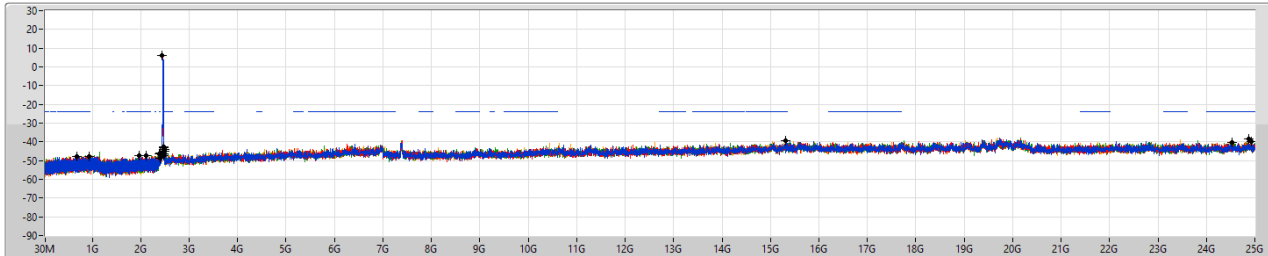


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

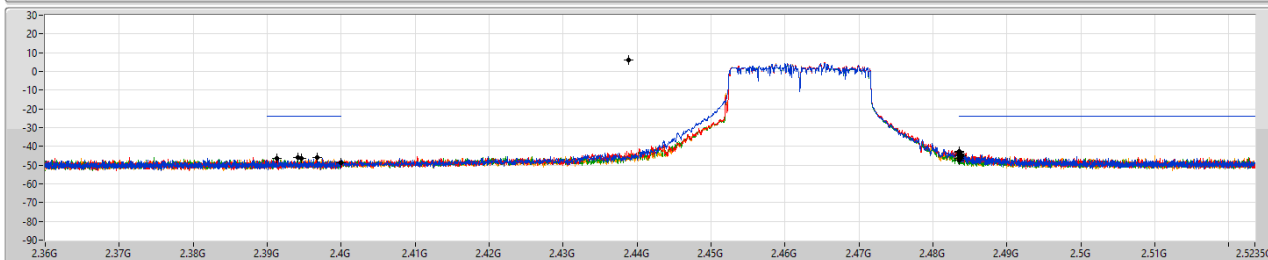
2462MHz

CSENdB

28/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

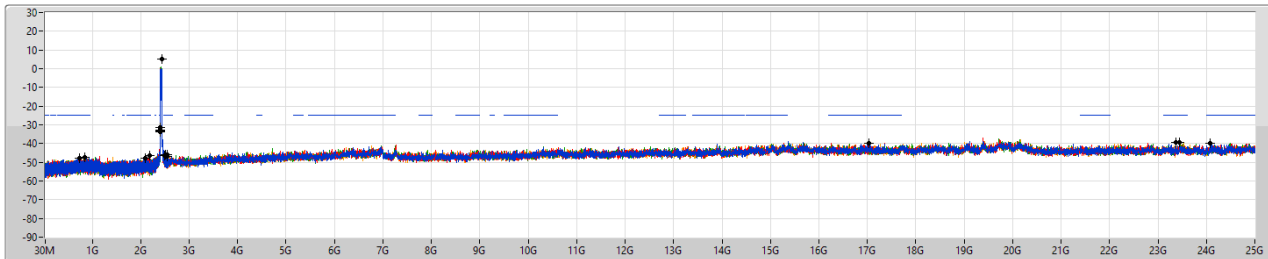
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43883G | 5.93     | -24.07     | 1.96274G | -47.32     | 2.39676G | -45.81     | 2.4835G  | -46.51     | 2.48354G | -42.78     | 24.52237G | -40.22     | 1    |
| 2.43883G | 5.93     | -24.07     | 689.68M  | -47.71     | 2.39126G | -46.30     | 2.4835G  | -44.87     | 2.48352G | -43.34     | 24.93538G | -39.80     | 2    |
| 2.43883G | 5.93     | -24.07     | 2.11215G | -47.35     | 2.3941G  | -45.83     | 2.4G     | -46.57     | 2.48392G | -45.04     | 15.30982G | -39.51     | 3    |
| 2.43883G | 5.93     | -24.07     | 934.62M  | -47.78     | 2.39468G | -46.46     | 2.4835G  | -47.22     | 2.48372G | -43.99     | 24.87638G | -38.57     | 4    |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

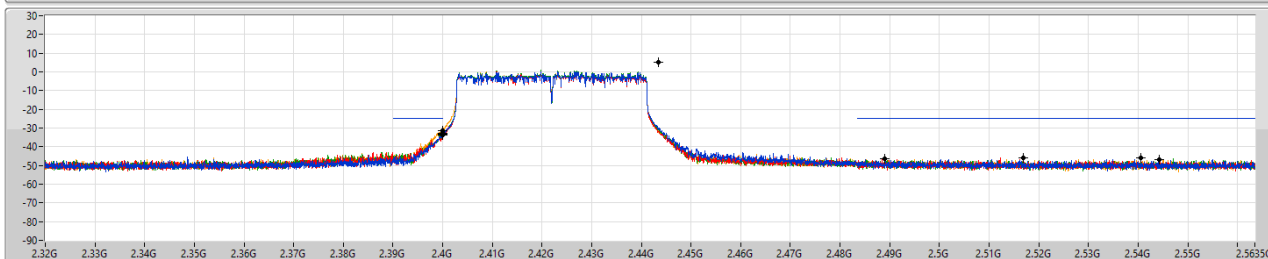
2422MHz

CSENdB

28/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

| 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 |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.4435G | 5.19     | -24.81     | 2.09472G | -47.95     | 2.4G     | -33.85     | 2.4G     | -33.55     | 2.54418G | -46.81     | 24.08291G | -40.01     | 1    |
| 2.4435G | 5.19     | -24.81     | 2.19039G | -46.32     | 2.4G     | -33.54     | 2.4G     | -33.48     | 2.5169G  | -45.81     | 23.36214G | -39.32     | 2    |
| 2.4435G | 5.19     | -24.81     | 734.18M  | -47.83     | 2.39992G | -33.34     | 2.4G     | -32.94     | 2.54063G | -45.99     | 17.03224G | -39.71     | 3    |
| 2.4435G | 5.19     | -24.81     | 848.68M  | -47.26     | 2.4G     | -31.41     | 2.4G     | -31.33     | 2.48906G | -46.25     | 23.44066G | -39.52     | 4    |

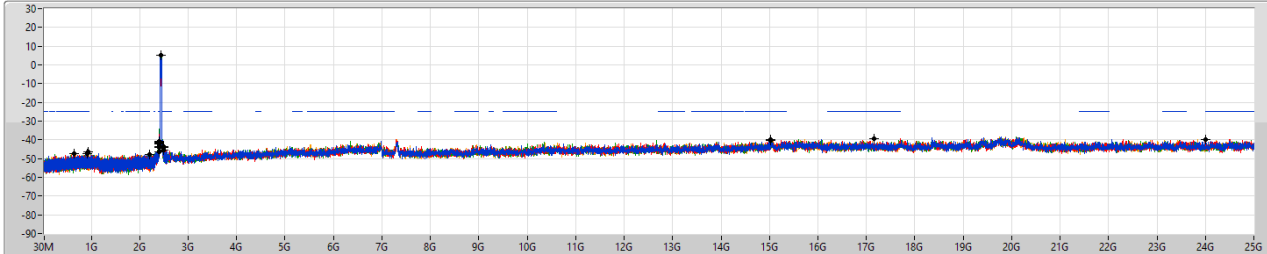


802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

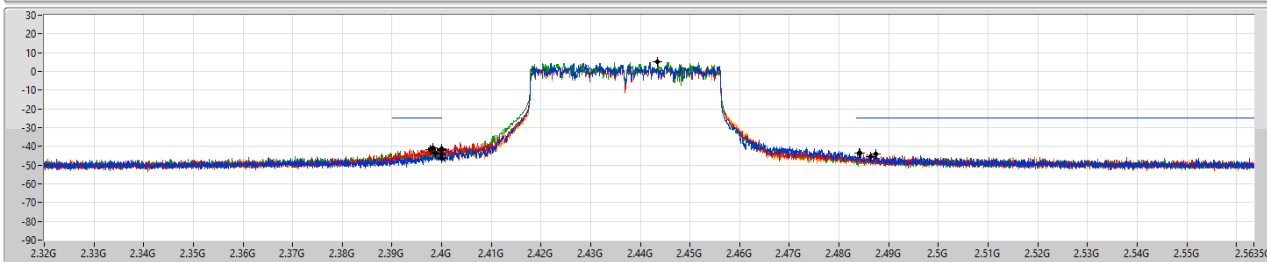
CSENdB

2437MHz

28/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

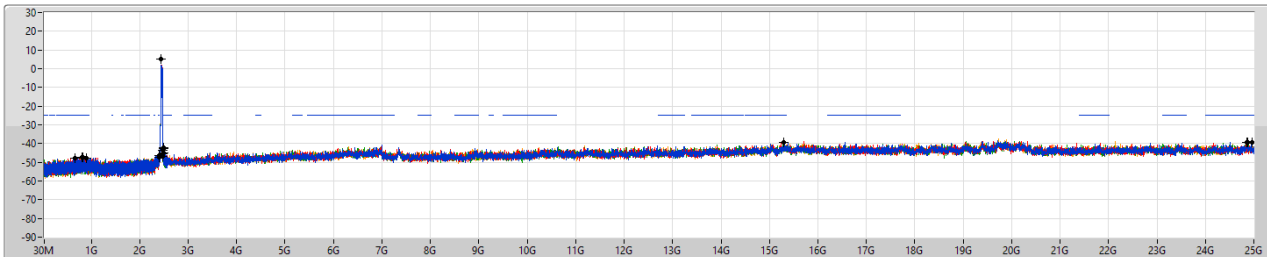
| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.4435G | 5.19     | -24.81     | 922.81M  | -47.35     | 2.3988G  | -43.40     | 2.4G     | -44.13     | 2.48418G | -43.78     | 15.02417G | -40.24     | 1    |
| 2.4435G | 5.19     | -24.81     | 639.43M  | -47.54     | 2.39828G | -40.81     | 2.4G     | -42.23     | 2.48742G | -43.92     | 17.16886G | -39.26     | 2    |
| 2.4435G | 5.19     | -24.81     | 927.97M  | -46.51     | 2.39996G | -41.90     | 2.4G     | -41.46     | 2.48638G | -45.46     | 15.02417G | -39.70     | 3    |
| 2.4435G | 5.19     | -24.81     | 2.19405G | -47.70     | 2.39764G | -41.76     | 2.4G     | -46.52     | 2.48406G | -43.75     | 24.00198G | -39.79     | 4    |

802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

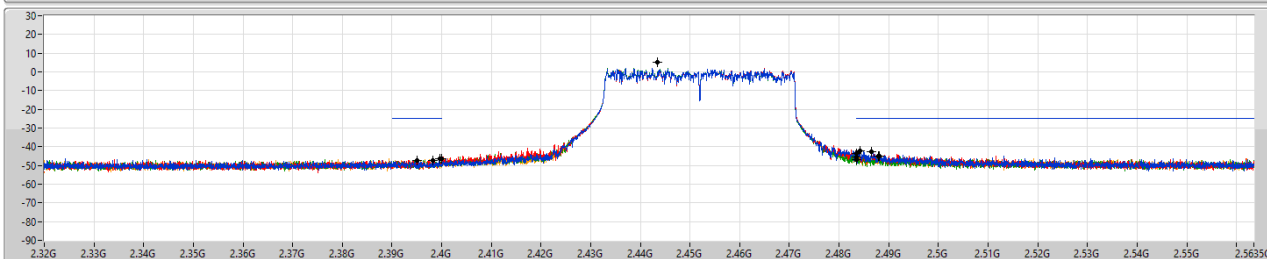
CSENdB

2452MHz

28/02/2022



Port 1  
Port 2  
Port 3  
Port 4



RBW (Hz)  
100k  
VBW (Hz)  
300k  
Detector  
Peak

| 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 |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.4435G | 5.19     | -24.81     | 815.76M  | -47.16     | 2.39828G | -47.45     | 2.4835G  | -43.82     | 2.48423G | -42.33     | 24.86258G | -39.18     | 1    |
| 2.4435G | 5.19     | -24.81     | 894.76M  | -47.69     | 2.3996G  | -46.62     | 2.4835G  | -45.46     | 2.4865G  | -42.85     | 15.2878G  | -39.35     | 2    |
| 2.4435G | 5.19     | -24.81     | 660.32M  | -47.96     | 2.395G   | -47.22     | 2.4835G  | -46.88     | 2.48786G | -45.12     | 24.87099G | -39.27     | 3    |
| 2.4435G | 5.19     | -24.81     | 829.78M  | -47.44     | 2.4G     | -46.41     | 2.4835G  | -46.74     | 2.48806G | -44.94     | 24.96354G | -39.55     | 4    |



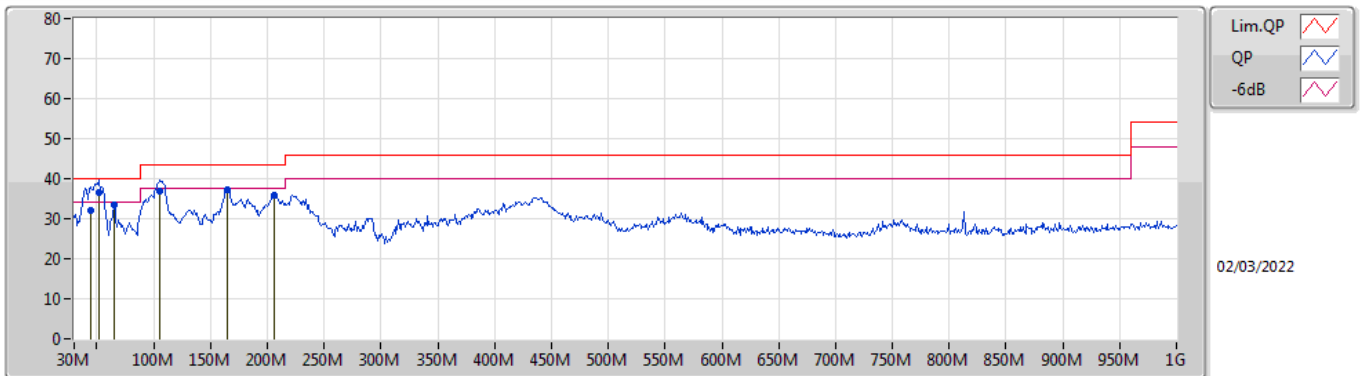
## ***Radiated Emissions below 1GHz***

## ***Appendix F.1***

### **Summary**

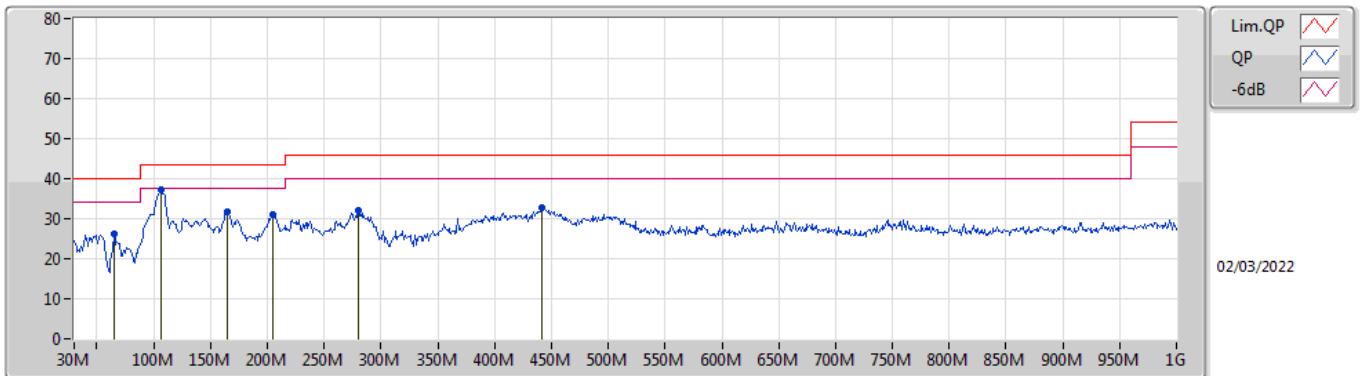
| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-------------------|-------------------|----------------|-----------|
| Mode 3 | Pass   | QP   | 51.34M       | 36.41             | 40.00             | -3.59          | Vertical  |

### Mode 3



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB/m) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV/m) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|-----------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| QP   | 44.55M       | 32.24             | 40.00             | -7.76          | -15.49           | 3           | Vertical  | 0              | 1.25          | -       | 47.73           | 15.70        | 0.60       | 31.79      |
| QP   | 51.34M       | 36.41             | 40.00             | -3.59          | -18.34           | 3           | Vertical  | 359            | 1.00          | "Worst" | 54.75           | 12.87        | 0.63       | 31.84      |
| PK   | 64.92M       | 33.44             | 40.00             | -6.56          | -19.78           | 3           | Vertical  | 359            | 2.00          | -       | 53.22           | 11.41        | 0.70       | 31.89      |
| QP   | 105.66M      | 36.83             | 43.50             | -6.67          | -14.62           | 3           | Vertical  | 36             | 1.00          | -       | 51.45           | 16.45        | 0.83       | 31.90      |
| PK   | 164.83M      | 37.34             | 43.50             | -6.16          | -16.06           | 3           | Vertical  | 147            | 1.00          | -       | 53.40           | 14.82        | 1.02       | 31.90      |
| PK   | 206.54M      | 35.99             | 43.50             | -7.51          | -16.21           | 3           | Vertical  | 360            | 1.25          | -       | 52.20           | 14.48        | 1.21       | 31.90      |

### Mode 3



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB/m) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV/m) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|------------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| PK   | 64.92M       | 26.37             | 40.00             | -13.63         | -19.78           | 3           | Horizontal | 79             | 2.00          | -       | 46.15           | 11.41        | 0.70       | 31.89      |
| PK   | 106.63M      | 37.13             | 43.50             | -6.37          | -14.54           | 3           | Horizontal | 93             | 2.00          | "Worst" | 51.67           | 16.53        | 0.83       | 31.90      |
| PK   | 164.83M      | 31.64             | 43.50             | -11.86         | -16.06           | 3           | Horizontal | 260            | 1.50          | -       | 47.70           | 14.82        | 1.02       | 31.90      |
| PK   | 204.6M       | 30.92             | 43.50             | -12.58         | -16.17           | 3           | Horizontal | 242            | 1.25          | -       | 47.09           | 14.51        | 1.21       | 31.89      |
| PK   | 280.26M      | 32.20             | 46.00             | -13.80         | -12.60           | 3           | Horizontal | 147            | 1.00          | -       | 44.80           | 18.00        | 1.36       | 31.96      |
| PK   | 441.28M      | 32.93             | 46.00             | -13.07         | -8.72            | 3           | Horizontal | 306            | 1.00          | -       | 41.65           | 21.71        | 1.68       | 32.11      |

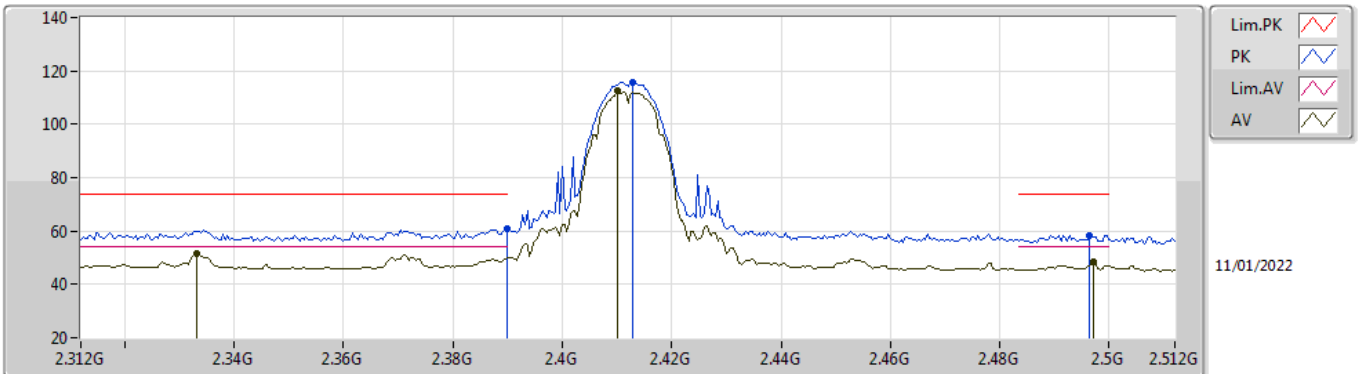


Summary

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 2.4-2.4835GHz                  | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass   | AV   | 2.4835G      | 52.99             | 54.00             | -1.01          | 3           | Horizontal | 275            | 1.19          | -        |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2412MHz\_TX

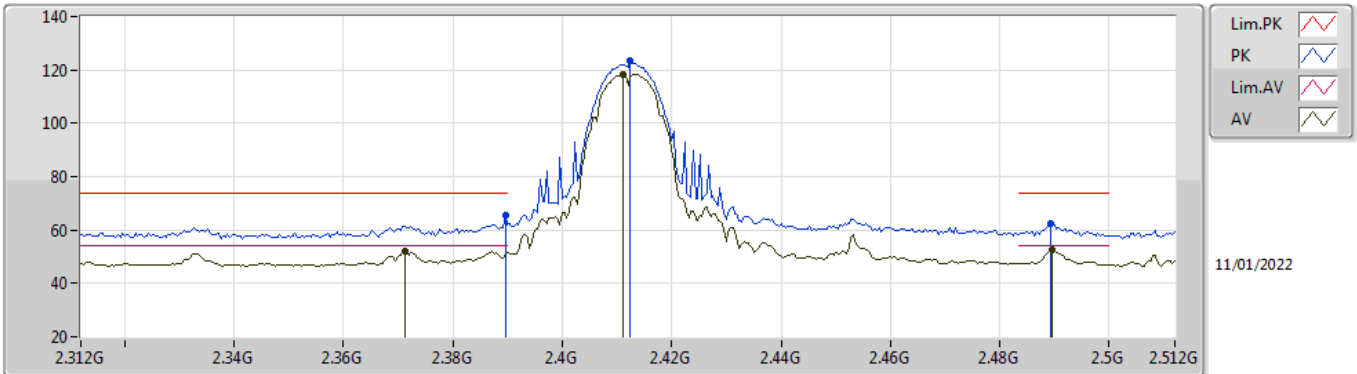


EUT X\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.39G        | 60.62             | 74.00             | -13.38         | 29.35         | 3           | Vertical  | 317            | 1.80          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3332G      | 51.30             | 54.00             | -2.70          | 19.66         | 3           | Vertical  | 317            | 1.80          | -       | 27.87      | 3.77       | -          |
| PK   | 2.4128G      | 115.86            | Inf               | -Inf           | 84.70         | 3           | Vertical  | 317            | 1.80          | -       | 27.35      | 3.81       | -          |
| AV   | 2.41G        | 112.49            | Inf               | -Inf           | 81.32         | 3           | Vertical  | 317            | 1.80          | -       | 27.36      | 3.81       | -          |
| PK   | 2.4964G      | 58.39             | 74.00             | -15.61         | 27.20         | 3           | Vertical  | 317            | 1.80          | -       | 27.29      | 3.90       | -          |
| AV   | 2.4972G      | 48.35             | 54.00             | -5.65          | 17.16         | 3           | Vertical  | 317            | 1.80          | -       | 27.29      | 3.90       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2412MHz\_TX

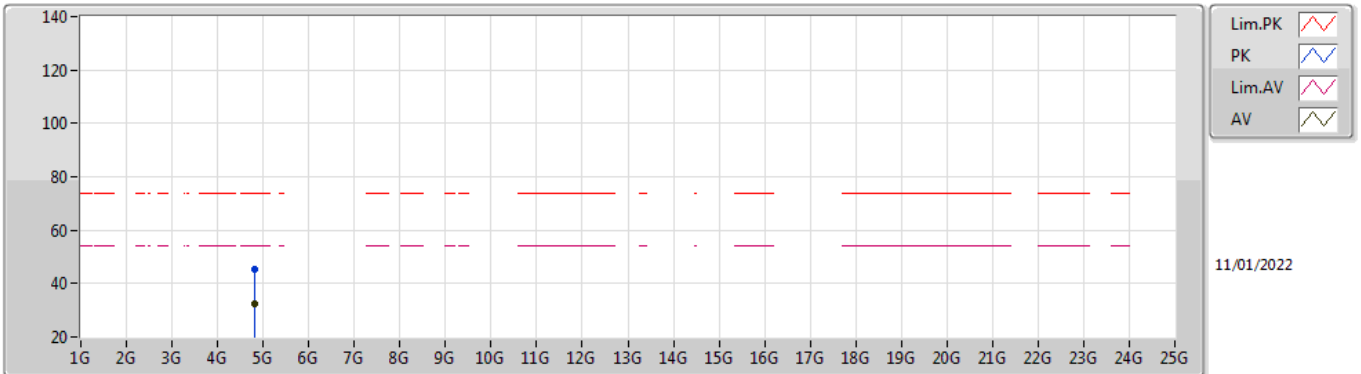


EUT X\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3896G      | 65.51             | 74.00             | -8.49          | 34.24         | 3           | Horizontal | 290            | 1.18          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3712G      | 52.08             | 54.00             | -1.92          | 20.66         | 3           | Horizontal | 290            | 1.18          | -       | 27.63      | 3.79       | -          |
| PK   | 2.4124G      | 123.55            | Inf               | -Inf           | 92.39         | 3           | Horizontal | 290            | 1.18          | -       | 27.35      | 3.81       | -          |
| AV   | 2.4112G      | 118.32            | Inf               | -Inf           | 87.15         | 3           | Horizontal | 290            | 1.18          | -       | 27.36      | 3.81       | -          |
| PK   | 2.4892G      | 62.48             | 74.00             | -11.52         | 31.31         | 3           | Horizontal | 290            | 1.18          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4896G      | 52.69             | 54.00             | -1.31          | 21.52         | 3           | Horizontal | 290            | 1.18          | -       | 27.28      | 3.89       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2412MHz\_TX



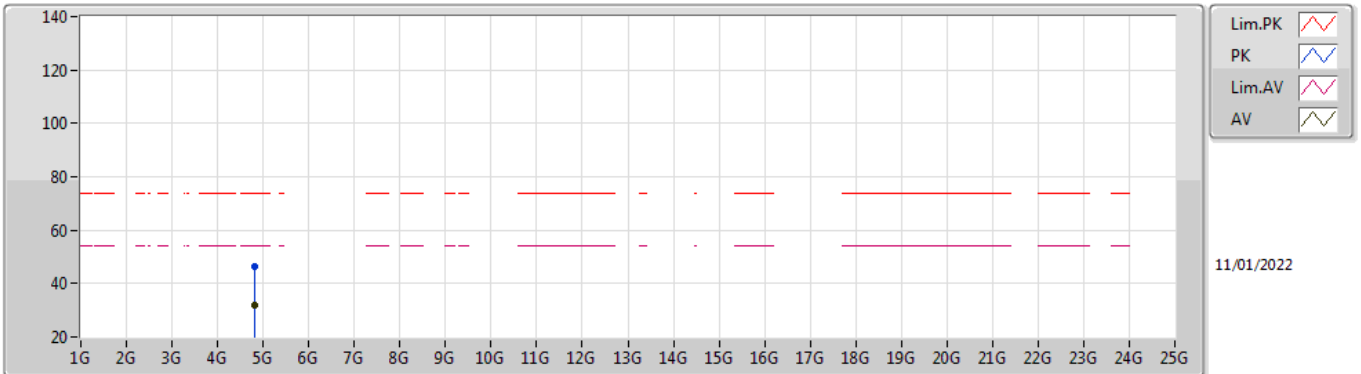
EUT Y\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.82142G     | 45.27             | 74.00             | -28.73         | 40.67         | 3           | Vertical  | 183            | 2.19          | -       | 31.06      | 5.60       | 32.06      |
| AV   | 4.82716G     | 32.19             | 54.00             | -21.81         | 27.60         | 3           | Vertical  | 183            | 2.19          | -       | 31.05      | 5.60       | 32.06      |



## 802.11b\_Nss1,(1Mbps)\_4TX

### 2412MHz\_TX

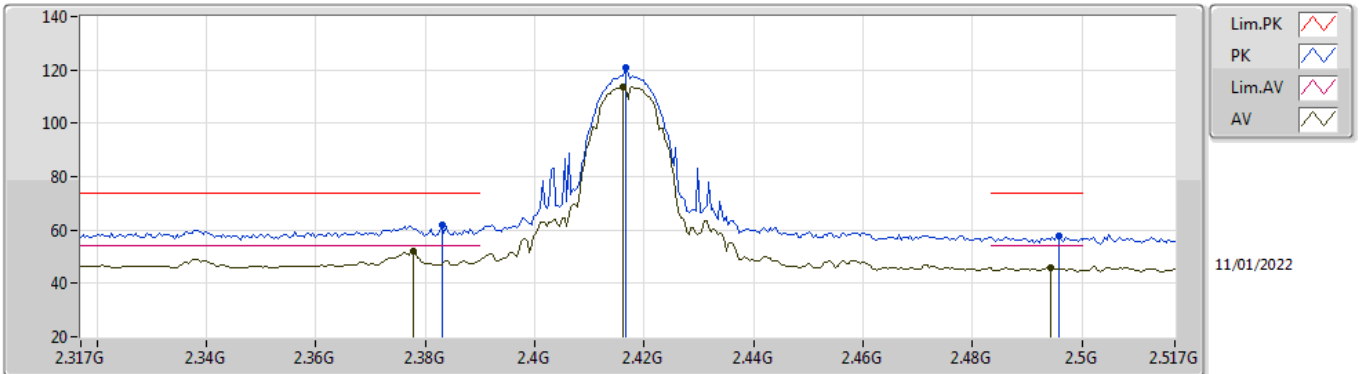


EUT Y\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.8218G      | 46.23             | 74.00             | -27.77         | 41.63         | 3           | Horizontal | 101            | 1.52          | -       | 31.06      | 5.60       | 32.06      |
| AV   | 4.82122G     | 32.12             | 54.00             | -21.88         | 27.52         | 3           | Horizontal | 101            | 1.52          | -       | 31.06      | 5.60       | 32.06      |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2417MHz\_TX

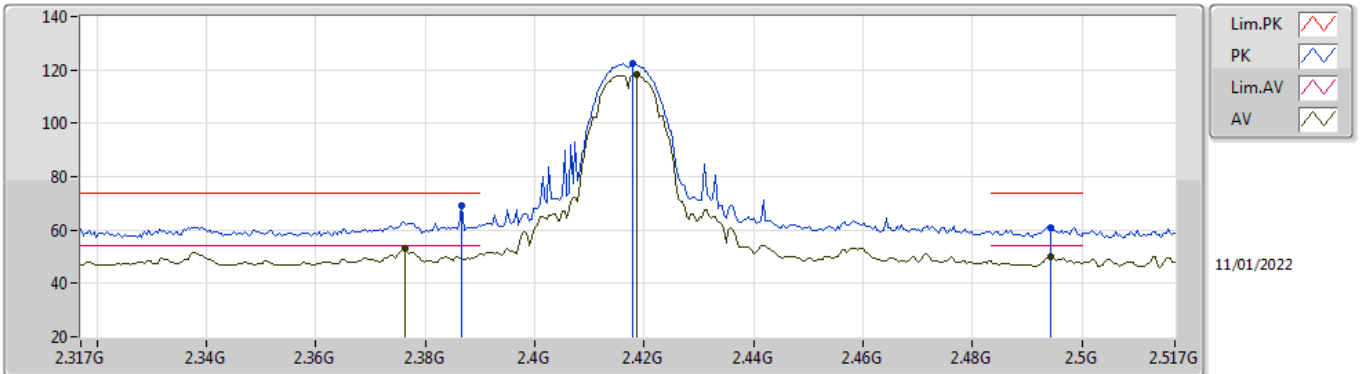


EUT X\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.383G       | 62.13             | 74.00             | -11.87         | 30.80         | 3           | Vertical  | 344            | 1.61          | -       | 27.54      | 3.79       | -          |
| AV   | 2.3778G      | 51.84             | 54.00             | -2.16          | 20.47         | 3           | Vertical  | 344            | 1.61          | -       | 27.58      | 3.79       | -          |
| PK   | 2.4166G      | 121.04            | Inf               | -Inf           | 89.89         | 3           | Vertical  | 344            | 1.61          | -       | 27.33      | 3.82       | -          |
| AV   | 2.4162G      | 113.55            | Inf               | -Inf           | 82.39         | 3           | Vertical  | 344            | 1.61          | -       | 27.34      | 3.82       | -          |
| PK   | 2.4958G      | 57.75             | 74.00             | -16.25         | 26.56         | 3           | Vertical  | 344            | 1.61          | -       | 27.29      | 3.90       | -          |
| AV   | 2.4942G      | 45.68             | 54.00             | -8.32          | 14.50         | 3           | Vertical  | 344            | 1.61          | -       | 27.29      | 3.89       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2417MHz\_TX

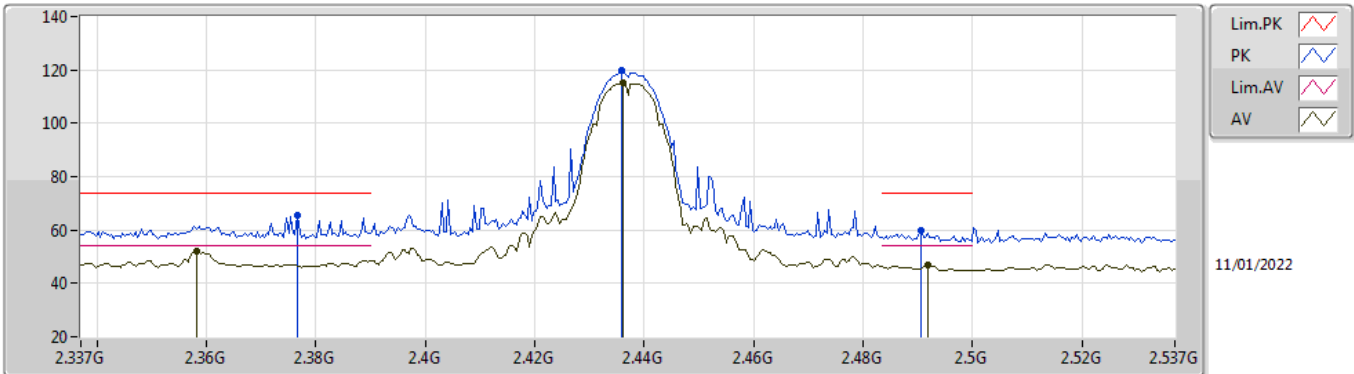


EUT\_X\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3866G      | 68.98             | 74.00             | -5.02          | 37.68         | 3           | Horizontal | 278            | 1.38          | -       | 27.51      | 3.79       | -          |
| AV   | 2.3762G      | 52.94             | 54.00             | -1.06          | 21.56         | 3           | Horizontal | 278            | 1.38          | -       | 27.59      | 3.79       | -          |
| PK   | 2.4178G      | 122.32            | Inf               | -Inf           | 91.17         | 3           | Horizontal | 278            | 1.38          | -       | 27.33      | 3.82       | -          |
| AV   | 2.4186G      | 118.06            | Inf               | -Inf           | 86.91         | 3           | Horizontal | 278            | 1.38          | -       | 27.33      | 3.82       | -          |
| PK   | 2.4942G      | 60.92             | 74.00             | -13.08         | 29.74         | 3           | Horizontal | 278            | 1.38          | -       | 27.29      | 3.89       | -          |
| AV   | 2.4942G      | 50.18             | 54.00             | -3.82          | 19.00         | 3           | Horizontal | 278            | 1.38          | -       | 27.29      | 3.89       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2437MHz\_TX

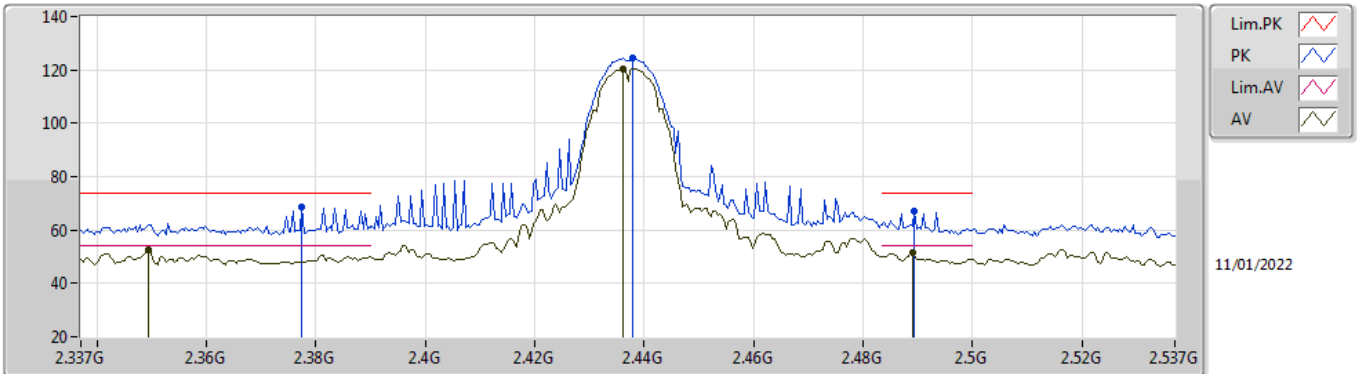


EUT\_X\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3766G      | 65.47             | 74.00             | -8.53          | 34.09         | 3           | Vertical  | 341            | 1.80          | -       | 27.59      | 3.79       | -          |
| AV   | 2.3582G      | 51.99             | 54.00             | -2.01          | 20.48         | 3           | Vertical  | 341            | 1.80          | -       | 27.73      | 3.78       | -          |
| PK   | 2.4358G      | 119.64            | Inf               | -Inf           | 88.54         | 3           | Vertical  | 341            | 1.80          | -       | 27.26      | 3.84       | -          |
| AV   | 2.4362G      | 115.21            | Inf               | -Inf           | 84.11         | 3           | Vertical  | 341            | 1.80          | -       | 27.26      | 3.84       | -          |
| PK   | 2.4906G      | 60.05             | 74.00             | -13.95         | 28.88         | 3           | Vertical  | 341            | 1.80          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4918G      | 46.93             | 54.00             | -7.07          | 15.76         | 3           | Vertical  | 341            | 1.80          | -       | 27.28      | 3.89       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2437MHz\_TX

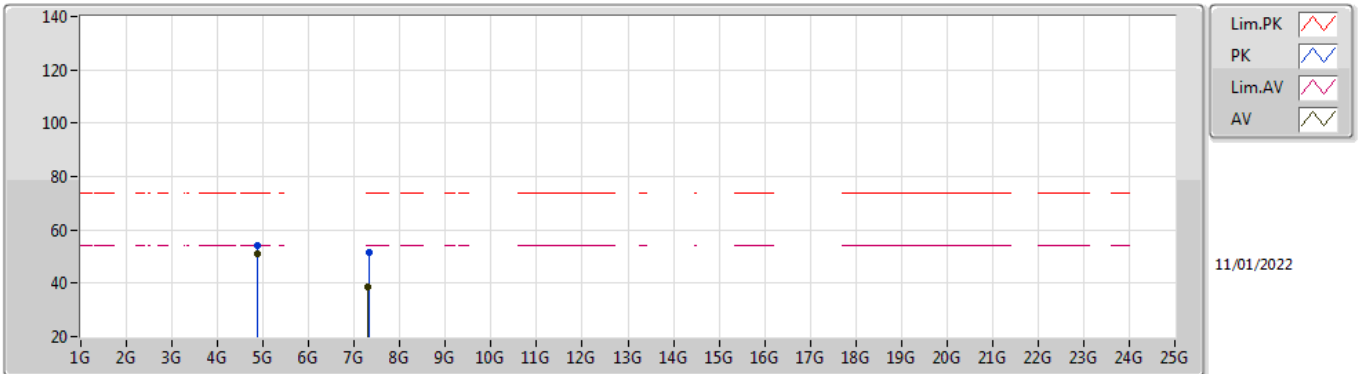


EUT\_X\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3774G      | 68.39             | 74.00             | -5.61          | 37.02         | 3           | Horizontal | 289            | 1.67          | -       | 27.58      | 3.79       | -          |
| AV   | 2.3494G      | 52.53             | 54.00             | -1.47          | 20.96         | 3           | Horizontal | 289            | 1.67          | -       | 27.80      | 3.77       | -          |
| PK   | 2.4378G      | 124.49            | Inf               | -Inf           | 93.40         | 3           | Horizontal | 289            | 1.67          | -       | 27.25      | 3.84       | -          |
| AV   | 2.4362G      | 120.47            | Inf               | -Inf           | 89.37         | 3           | Horizontal | 289            | 1.67          | -       | 27.26      | 3.84       | -          |
| PK   | 2.4894G      | 67.27             | 74.00             | -6.73          | 36.10         | 3           | Horizontal | 289            | 1.67          | -       | 27.28      | 3.89       | -          |
| AV   | 2.489G       | 51.36             | 54.00             | -2.64          | 20.19         | 3           | Horizontal | 289            | 1.67          | -       | 27.28      | 3.89       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

## 2437MHz\_TX

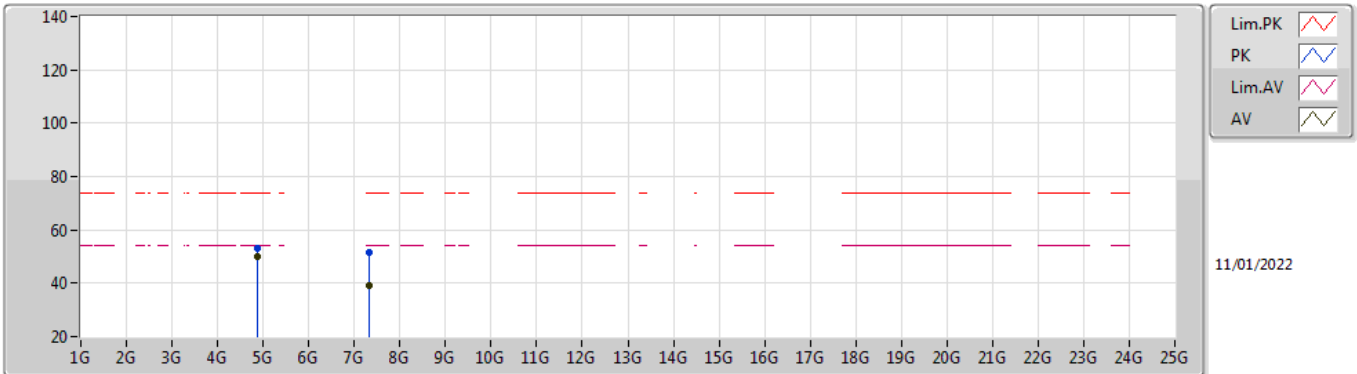


EUT Y\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.87404G     | 53.92             | 74.00             | -20.08         | 49.29         | 3           | Vertical  | 310            | 1.80          | -       | 31.05      | 5.60       | 32.02      |
| AV   | 4.87396G     | 51.22             | 54.00             | -2.78          | 46.59         | 3           | Vertical  | 310            | 1.80          | -       | 31.05      | 5.60       | 32.02      |
| PK   | 7.31812G     | 51.78             | 74.00             | -22.22         | 42.02         | 3           | Vertical  | 222            | 1.80          | -       | 36.33      | 6.90       | 33.47      |
| AV   | 7.31012G     | 38.73             | 54.00             | -15.27         | 28.94         | 3           | Vertical  | 222            | 1.80          | -       | 36.36      | 6.90       | 33.47      |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2437MHz\_TX

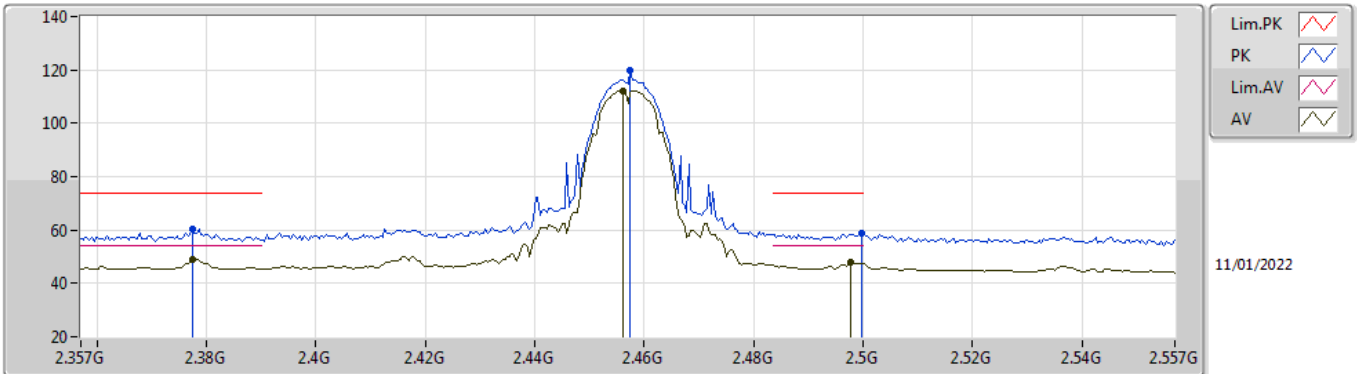


EUT Y\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.874G       | 53.11             | 74.00             | -20.89         | 48.48         | 3           | Horizontal | 260            | 1.80          | -       | 31.05      | 5.60       | 32.02      |
| AV   | 4.87396G     | 50.02             | 54.00             | -3.98          | 45.39         | 3           | Horizontal | 260            | 1.80          | -       | 31.05      | 5.60       | 32.02      |
| PK   | 7.31024G     | 51.70             | 74.00             | -22.30         | 41.91         | 3           | Horizontal | 103            | 1.92          | -       | 36.36      | 6.90       | 33.47      |
| AV   | 7.31032G     | 39.04             | 54.00             | -14.96         | 29.25         | 3           | Horizontal | 103            | 1.92          | -       | 36.36      | 6.90       | 33.47      |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2457MHz\_TX



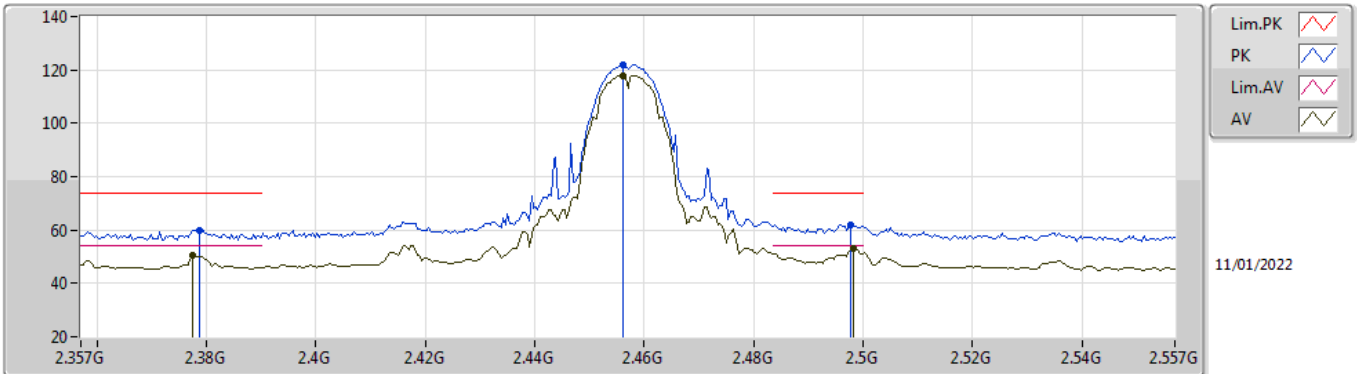
EUT\_X\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3774G      | 60.27             | 74.00             | -13.73         | 28.90         | 3           | Vertical  | 357            | 1.21          | -       | 27.58      | 3.79       | -          |
| AV   | 2.3774G      | 48.86             | 54.00             | -5.14          | 17.49         | 3           | Vertical  | 357            | 1.21          | -       | 27.58      | 3.79       | -          |
| PK   | 2.4574G      | 119.96            | Inf               | -Inf           | 88.89         | 3           | Vertical  | 357            | 1.21          | -       | 27.21      | 3.86       | -          |
| AV   | 2.4562G      | 112.26            | Inf               | -Inf           | 81.19         | 3           | Vertical  | 357            | 1.21          | -       | 27.21      | 3.86       | -          |
| PK   | 2.4998G      | 58.94             | 74.00             | -15.06         | 27.74         | 3           | Vertical  | 357            | 1.21          | -       | 27.30      | 3.90       | -          |
| AV   | 2.4978G      | 47.92             | 54.00             | -6.08          | 16.72         | 3           | Vertical  | 357            | 1.21          | -       | 27.30      | 3.90       | -          |



## 802.11b\_Nss1,(1Mbps)\_4TX

### 2457MHz\_TX

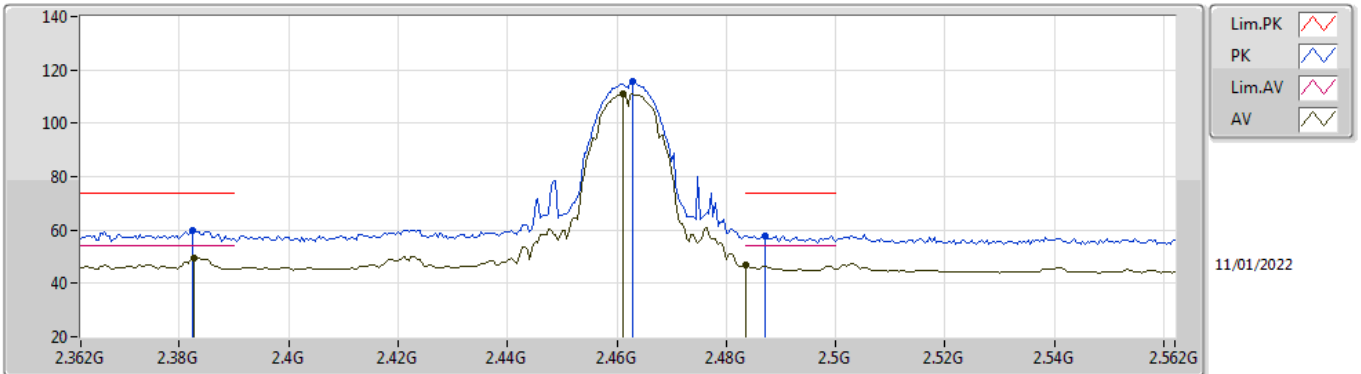


EUT\_X\_4TX  
Setting 24  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3786G      | 59.82             | 74.00             | -14.18         | 28.46         | 3           | Horizontal | 303            | 1.00          | -       | 27.57      | 3.79       | -          |
| AV   | 2.3774G      | 50.46             | 54.00             | -3.54          | 19.09         | 3           | Horizontal | 303            | 1.00          | -       | 27.58      | 3.79       | -          |
| PK   | 2.4562G      | 121.76            | Inf               | -Inf           | 90.69         | 3           | Horizontal | 303            | 1.00          | -       | 27.21      | 3.86       | -          |
| AV   | 2.4562G      | 117.88            | Inf               | -Inf           | 86.81         | 3           | Horizontal | 303            | 1.00          | -       | 27.21      | 3.86       | -          |
| PK   | 2.4978G      | 62.05             | 74.00             | -11.95         | 30.85         | 3           | Horizontal | 303            | 1.00          | -       | 27.30      | 3.90       | -          |
| AV   | 2.4982G      | 52.87             | 54.00             | -1.13          | 21.67         | 3           | Horizontal | 303            | 1.00          | -       | 27.30      | 3.90       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2462MHz\_TX

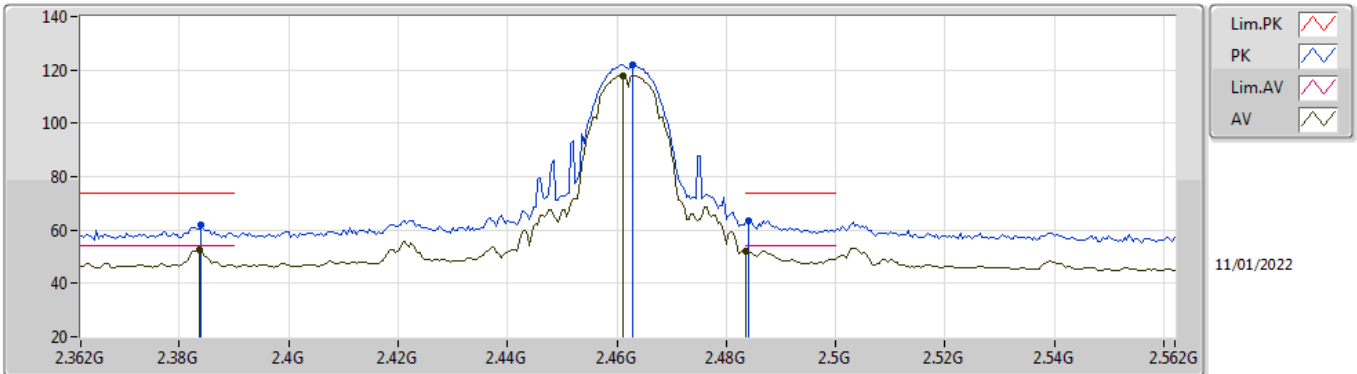


EUT\_X\_4TX  
Setting 23  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3824G      | 59.58             | 74.00             | -14.42         | 28.25         | 3           | Vertical  | 343            | 1.57          | -       | 27.54      | 3.79       | -          |
| AV   | 2.3828G      | 49.55             | 54.00             | -4.45          | 18.22         | 3           | Vertical  | 343            | 1.57          | -       | 27.54      | 3.79       | -          |
| PK   | 2.4628G      | 115.76            | Inf               | -Inf           | 84.67         | 3           | Vertical  | 343            | 1.57          | -       | 27.23      | 3.86       | -          |
| AV   | 2.4612G      | 110.83            | Inf               | -Inf           | 79.75         | 3           | Vertical  | 343            | 1.57          | -       | 27.22      | 3.86       | -          |
| PK   | 2.4872G      | 57.92             | 74.00             | -16.08         | 26.76         | 3           | Vertical  | 343            | 1.57          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4835G      | 46.81             | 54.00             | -7.19          | 15.66         | 3           | Vertical  | 343            | 1.57          | -       | 27.27      | 3.88       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2462MHz\_TX

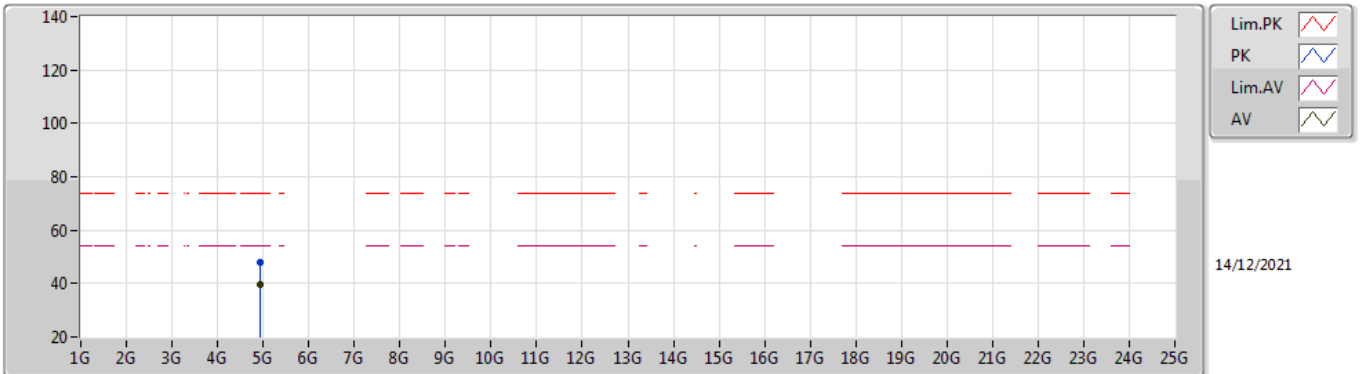


EUT\_X\_4TX  
Setting 23  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.384G       | 62.03             | 74.00             | -11.97         | 30.71         | 3           | Horizontal | 292            | 1.24          | -       | 27.53      | 3.79       | -          |
| AV   | 2.3836G      | 52.72             | 54.00             | -1.28          | 21.40         | 3           | Horizontal | 292            | 1.24          | -       | 27.53      | 3.79       | -          |
| PK   | 2.4628G      | 122.07            | Inf               | -Inf           | 90.98         | 3           | Horizontal | 292            | 1.24          | -       | 27.23      | 3.86       | -          |
| AV   | 2.4612G      | 117.99            | Inf               | -Inf           | 86.91         | 3           | Horizontal | 292            | 1.24          | -       | 27.22      | 3.86       | -          |
| PK   | 2.484G       | 63.59             | 74.00             | -10.41         | 32.44         | 3           | Horizontal | 292            | 1.24          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 52.22             | 54.00             | -1.78          | 21.07         | 3           | Horizontal | 292            | 1.24          | -       | 27.27      | 3.88       | -          |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2462MHz\_TX

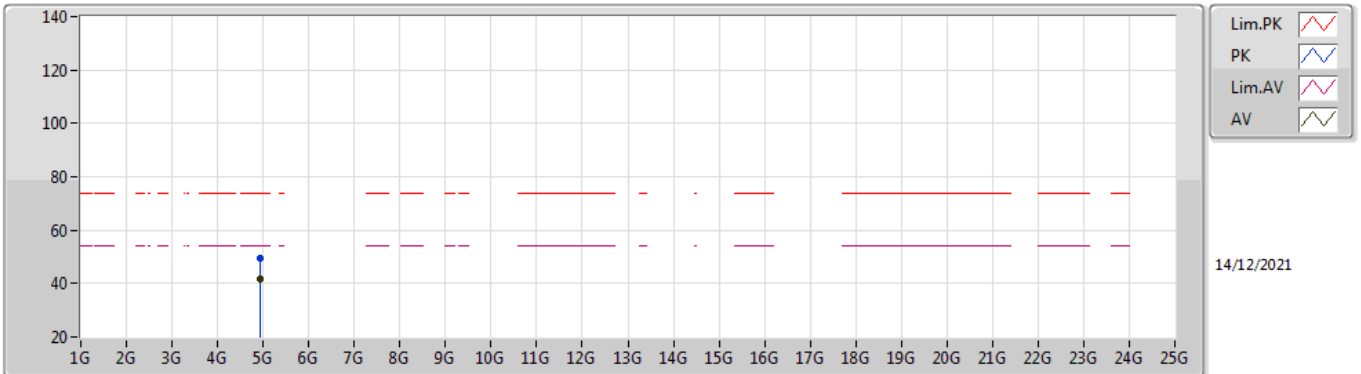


EUT Y\_4TX  
Setting 23  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.92406G     | 47.97             | 74.00             | -26.03         | 43.14         | 3           | Vertical  | 310            | 1.76          | -       | 31.20      | 5.60       | 31.97      |  |
| AV   | 4.92382G     | 39.57             | 54.00             | -14.43         | 34.74         | 3           | Vertical  | 310            | 1.76          | -       | 31.20      | 5.60       | 31.97      |  |

## 802.11b\_Nss1,(1Mbps)\_4TX

### 2462MHz\_TX

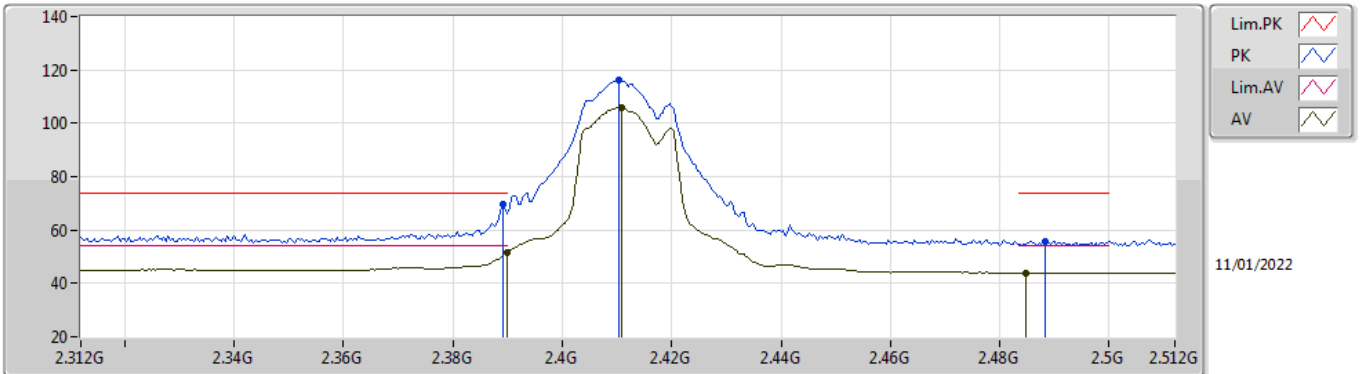


EUT Y\_4TX  
Setting 23  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.924G       | 49.30             | 74.00             | -24.70         | 44.47         | 3           | Horizontal | 201            | 1.66          | -       | 31.20      | 5.60       | 31.97      |  |
| AV   | 4.92424G     | 41.64             | 54.00             | -12.36         | 36.81         | 3           | Horizontal | 201            | 1.66          | -       | 31.20      | 5.60       | 31.97      |  |

# 802.11g\_Nss1,(6Mbps)\_4TX

## 2412MHz\_TX

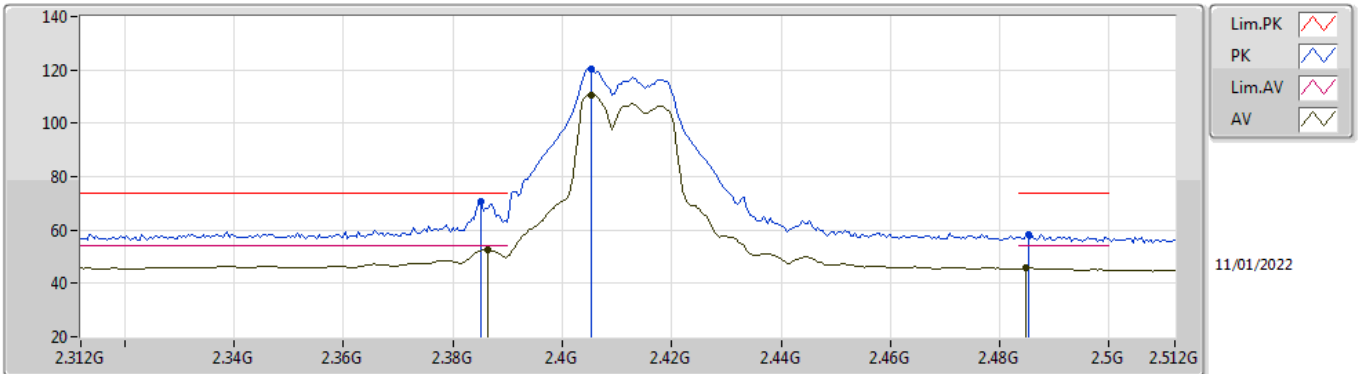


EUT X\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3892G      | 69.63             | 74.00             | -4.37          | 38.35         | 3           | Vertical  | 344            | 1.34          | -       | 27.49      | 3.79       | -          |
| AV   | 2.39G        | 51.47             | 54.00             | -2.53          | 20.20         | 3           | Vertical  | 344            | 1.34          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4104G      | 115.97            | Inf               | -Inf           | 84.80         | 3           | Vertical  | 344            | 1.34          | -       | 27.36      | 3.81       | -          |
| AV   | 2.4108G      | 105.95            | Inf               | -Inf           | 74.78         | 3           | Vertical  | 344            | 1.34          | -       | 27.36      | 3.81       | -          |
| PK   | 2.4884G      | 55.86             | 74.00             | -18.14         | 24.69         | 3           | Vertical  | 344            | 1.34          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4848G      | 44.05             | 54.00             | -9.95          | 12.90         | 3           | Vertical  | 344            | 1.34          | -       | 27.27      | 3.88       | -          |

# 802.11g\_Nss1,(6Mbps)\_4TX

## 2412MHz\_TX

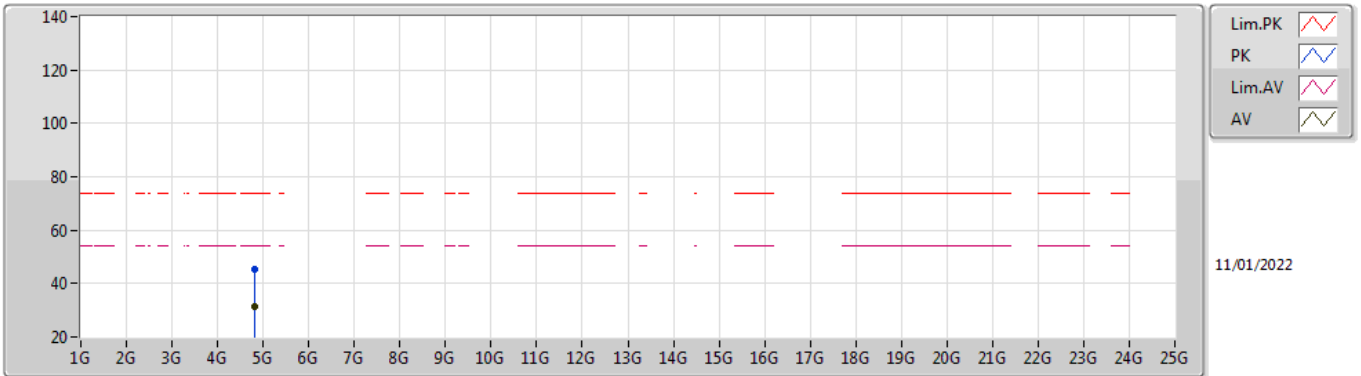


EUT X\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3852G      | 70.70             | 74.00             | -3.30          | 39.39         | 3           | Horizontal | 271            | 1.25          | -       | 27.52      | 3.79       | -          |
| AV   | 2.3864G      | 52.70             | 54.00             | -1.30          | 21.40         | 3           | Horizontal | 271            | 1.25          | -       | 27.51      | 3.79       | -          |
| PK   | 2.4052G      | 120.55            | Inf               | -Inf           | 89.36         | 3           | Horizontal | 271            | 1.25          | -       | 27.38      | 3.81       | -          |
| AV   | 2.4052G      | 110.48            | Inf               | -Inf           | 79.29         | 3           | Horizontal | 271            | 1.25          | -       | 27.38      | 3.81       | -          |
| PK   | 2.4852G      | 58.42             | 74.00             | -15.58         | 27.26         | 3           | Horizontal | 271            | 1.25          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4848G      | 45.79             | 54.00             | -8.21          | 14.64         | 3           | Horizontal | 271            | 1.25          | -       | 27.27      | 3.88       | -          |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2412MHz\_TX



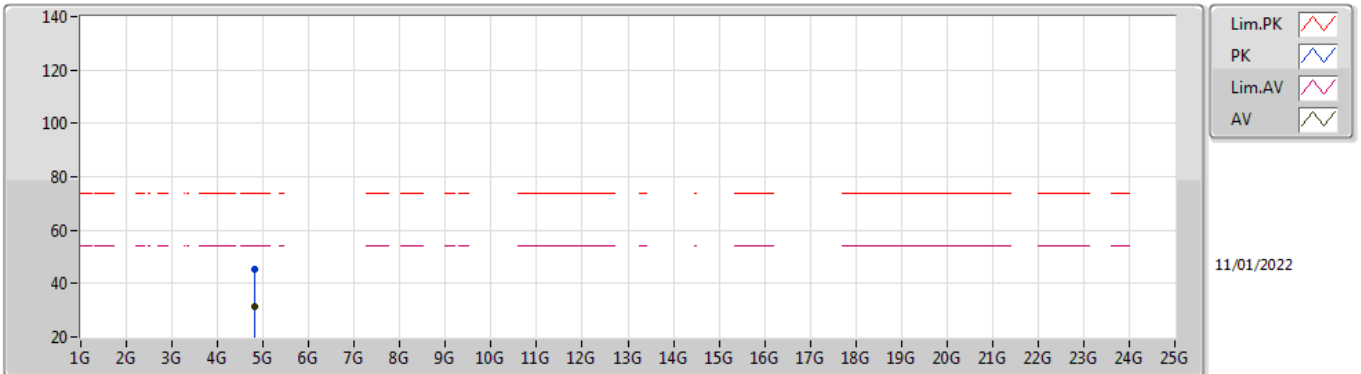
EUT Y\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.82204G     | 45.30             | 74.00             | -28.70         | 40.70         | 3           | Vertical  | 348            | 2.86          | -       | 31.06      | 5.60       | 32.06      |
| AV   | 4.82004G     | 31.53             | 54.00             | -22.47         | 26.93         | 3           | Vertical  | 348            | 2.86          | -       | 31.06      | 5.60       | 32.06      |



# 802.11g\_Nss1,(6Mbps)\_4TX

## 2412MHz\_TX

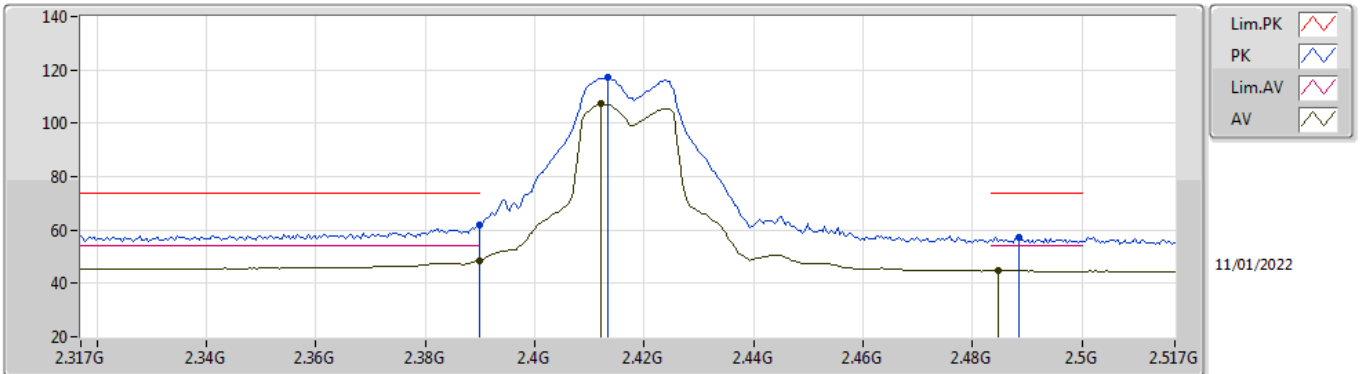


EUT Y\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.82824G     | 45.50             | 74.00             | -28.50         | 40.91         | 3           | Horizontal | 80             | 2.14          | -       | 31.04      | 5.60       | 32.05      |  |
| AV   | 4.81948G     | 31.51             | 54.00             | -22.49         | 26.91         | 3           | Horizontal | 80             | 2.14          | -       | 31.06      | 5.60       | 32.06      |  |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2417MHz\_TX

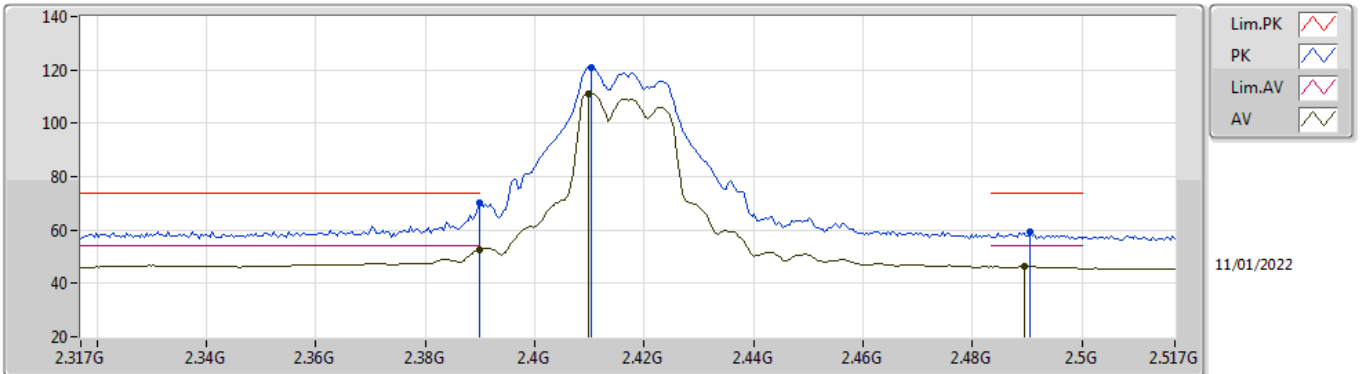


EUT X\_4TX  
Setting 23  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3898G      | 61.75             | 74.00             | -12.25         | 30.48         | 3           | Vertical  | 349            | 2.74          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3898G      | 48.60             | 54.00             | -5.40          | 17.33         | 3           | Vertical  | 349            | 2.74          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4134G      | 117.19            | Inf               | -Inf           | 86.03         | 3           | Vertical  | 349            | 2.74          | -       | 27.35      | 3.81       | -          |
| AV   | 2.4122G      | 107.19            | Inf               | -Inf           | 76.03         | 3           | Vertical  | 349            | 2.74          | -       | 27.35      | 3.81       | -          |
| PK   | 2.4886G      | 57.01             | 74.00             | -16.99         | 25.84         | 3           | Vertical  | 349            | 2.74          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4846G      | 44.74             | 54.00             | -9.26          | 13.59         | 3           | Vertical  | 349            | 2.74          | -       | 27.27      | 3.88       | -          |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2417MHz\_TX

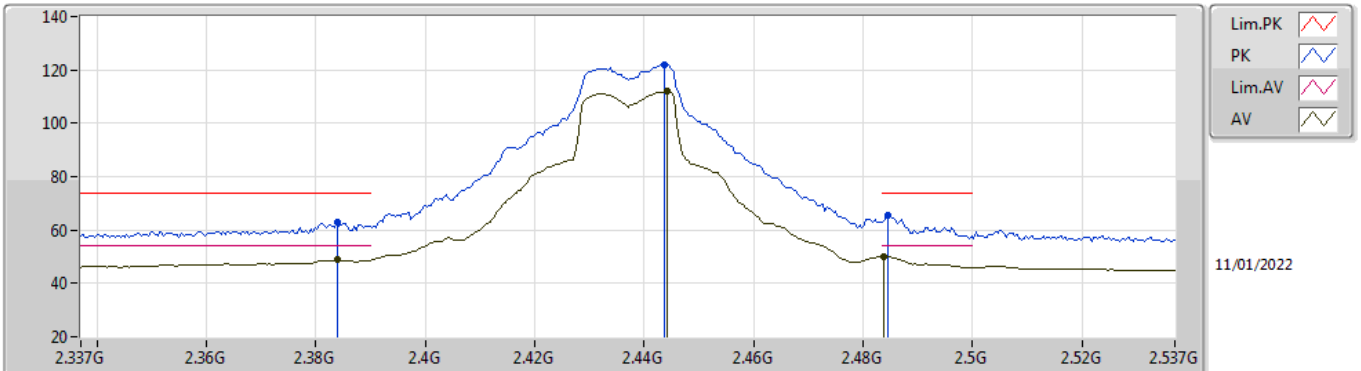


EUT\_X\_4TX  
Setting 23  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 2.3898G      | 70.37             | 74.00             | -3.63          | 39.10         | 3           | Horizontal | 278            | 1.00          | -       | 27.48      | 3.79       | -          |  |
| AV   | 2.3898G      | 52.54             | 54.00             | -1.46          | 21.27         | 3           | Horizontal | 278            | 1.00          | -       | 27.48      | 3.79       | -          |  |
| PK   | 2.4102G      | 121.11            | Inf               | -Inf           | 89.94         | 3           | Horizontal | 278            | 1.00          | -       | 27.36      | 3.81       | -          |  |
| AV   | 2.4098G      | 111.09            | Inf               | -Inf           | 79.92         | 3           | Horizontal | 278            | 1.00          | -       | 27.36      | 3.81       | -          |  |
| PK   | 2.4906G      | 59.23             | 74.00             | -14.77         | 28.06         | 3           | Horizontal | 278            | 1.00          | -       | 27.28      | 3.89       | -          |  |
| AV   | 2.4894G      | 46.41             | 54.00             | -7.59          | 15.24         | 3           | Horizontal | 278            | 1.00          | -       | 27.28      | 3.89       | -          |  |

# 802.11g\_Nss1,(6Mbps)\_4TX

## 2437MHz\_TX

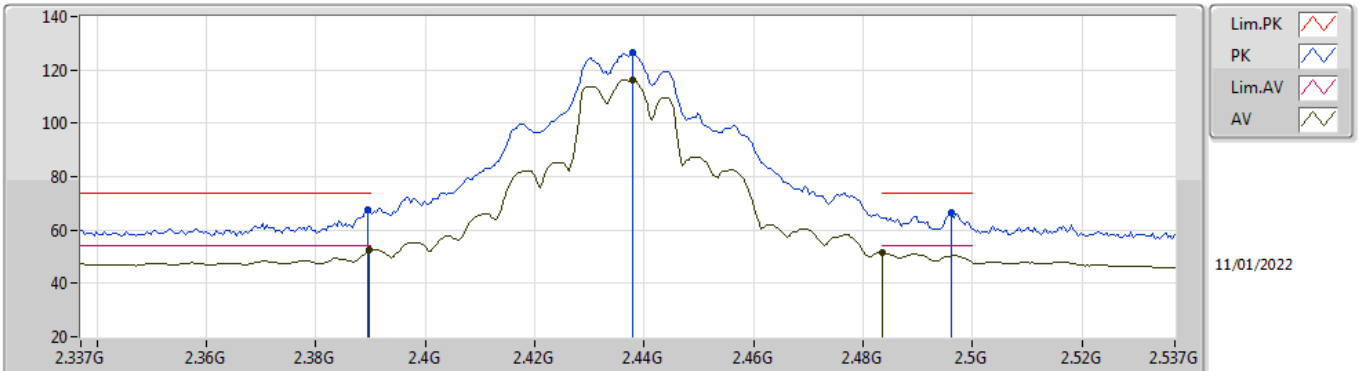


EUT\_X\_4TX  
Setting 31  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3838G      | 62.68             | 74.00             | -11.32         | 31.36         | 3           | Vertical  | 352            | 2.64          | -       | 27.53      | 3.79       | -          |
| AV   | 2.3838G      | 48.79             | 54.00             | -5.21          | 17.47         | 3           | Vertical  | 352            | 2.64          | -       | 27.53      | 3.79       | -          |
| PK   | 2.4438G      | 121.82            | Inf               | -Inf           | 90.76         | 3           | Vertical  | 352            | 2.64          | -       | 27.22      | 3.84       | -          |
| AV   | 2.4442G      | 111.90            | Inf               | -Inf           | 80.84         | 3           | Vertical  | 352            | 2.64          | -       | 27.22      | 3.84       | -          |
| PK   | 2.4846G      | 65.62             | 74.00             | -8.38          | 34.47         | 3           | Vertical  | 352            | 2.64          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4838G      | 50.05             | 54.00             | -3.95          | 18.90         | 3           | Vertical  | 352            | 2.64          | -       | 27.27      | 3.88       | -          |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2437MHz\_TX

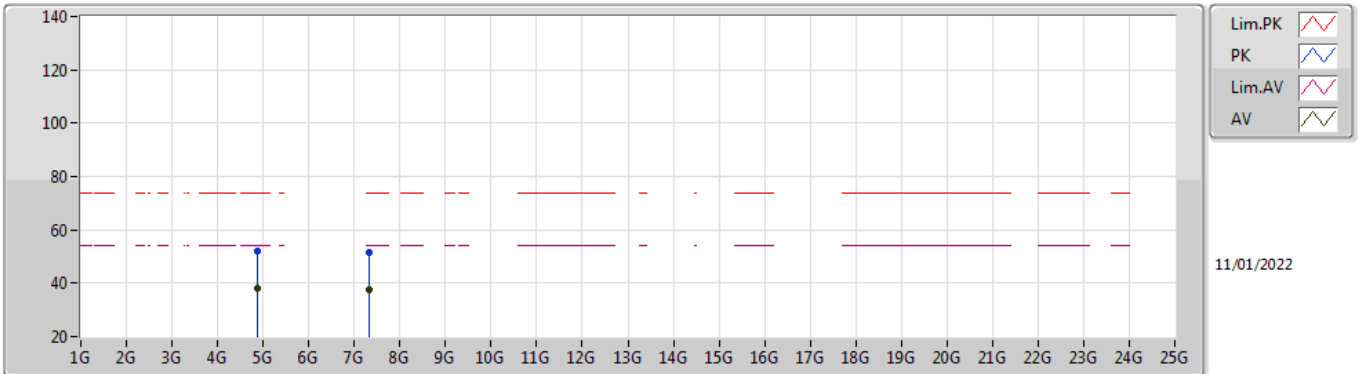


EUT\_X\_4TX  
Setting 31  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3894G      | 67.54             | 74.00             | -6.46          | 36.27         | 3           | Horizontal | 293            | 1.34          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3898G      | 52.52             | 54.00             | -1.48          | 21.25         | 3           | Horizontal | 293            | 1.34          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4378G      | 126.31            | Inf               | -Inf           | 95.22         | 3           | Horizontal | 293            | 1.34          | -       | 27.25      | 3.84       | -          |
| AV   | 2.4378G      | 116.36            | Inf               | -Inf           | 85.27         | 3           | Horizontal | 293            | 1.34          | -       | 27.25      | 3.84       | -          |
| PK   | 2.4962G      | 66.40             | 74.00             | -7.60          | 35.21         | 3           | Horizontal | 293            | 1.34          | -       | 27.29      | 3.90       | -          |
| AV   | 2.4835G      | 51.57             | 54.00             | -2.43          | 20.42         | 3           | Horizontal | 293            | 1.34          | -       | 27.27      | 3.88       | -          |

## 802.11g\_Nss1,(6Mbps)\_4TX

## 2437MHz\_TX

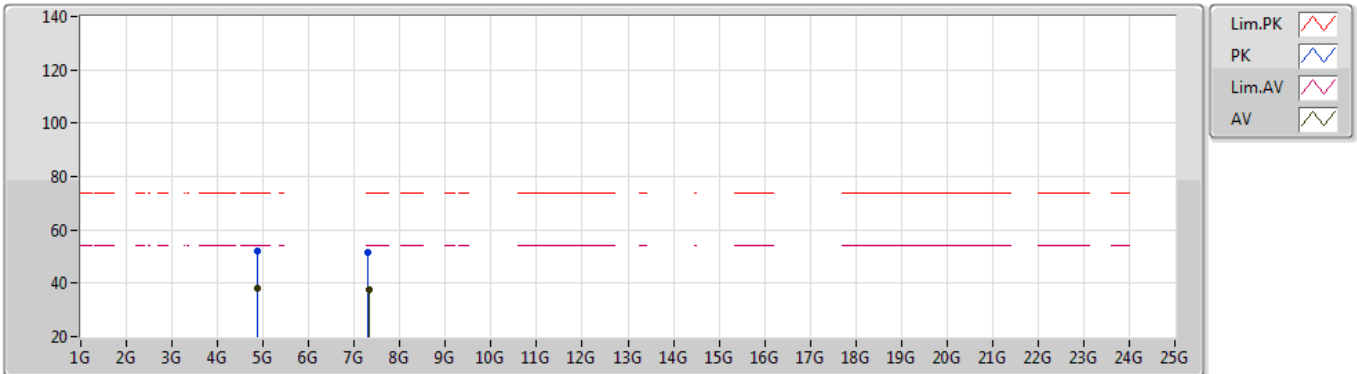


EUT Y\_4TX  
Setting 31  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.87812G     | 52.32             | 74.00             | -21.68         | 47.67         | 3           | Vertical  | 316            | 1.61          | -       | 31.06      | 5.60       | 32.01      |
| AV   | 4.87684G     | 37.85             | 54.00             | -16.15         | 33.21         | 3           | Vertical  | 316            | 1.61          | -       | 31.05      | 5.60       | 32.01      |
| PK   | 7.31388G     | 51.71             | 74.00             | -22.29         | 41.94         | 3           | Vertical  | 36             | 1.28          | -       | 36.34      | 6.90       | 33.47      |
| AV   | 7.31732G     | 37.55             | 54.00             | -16.45         | 27.79         | 3           | Vertical  | 36             | 1.28          | -       | 36.33      | 6.90       | 33.47      |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2437MHz\_TX

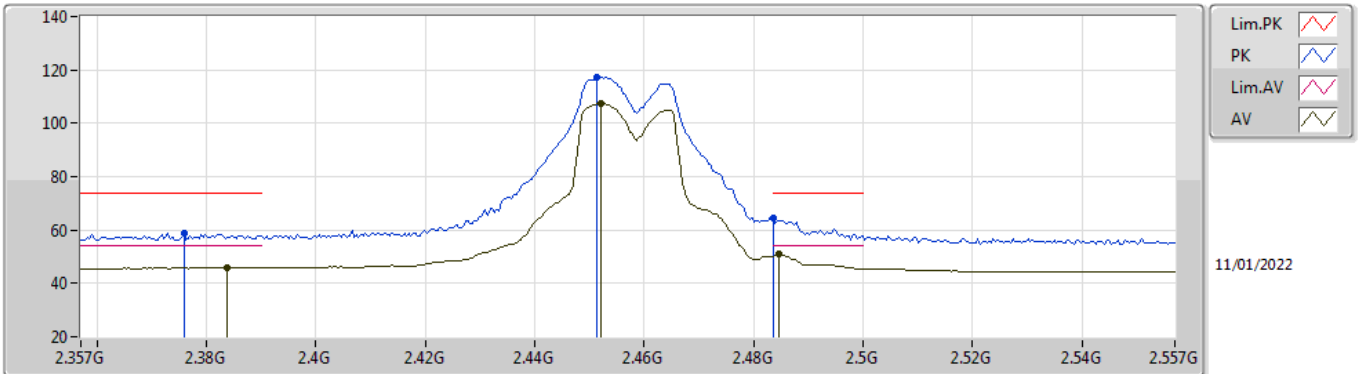


EUT Y\_4TX  
Setting 31  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.8696G      | 52.15             | 74.00             | -21.85         | 47.53         | 3           | Horizontal | 269            | 1.80          | -       | 31.04      | 5.60       | 32.02      |
| AV   | 4.86984G     | 38.00             | 54.00             | -16.00         | 33.38         | 3           | Horizontal | 269            | 1.80          | -       | 31.04      | 5.60       | 32.02      |
| PK   | 7.30428G     | 51.57             | 74.00             | -22.43         | 41.75         | 3           | Horizontal | 193            | 1.48          | -       | 36.38      | 6.90       | 33.46      |
| AV   | 7.31716G     | 37.77             | 54.00             | -16.23         | 28.01         | 3           | Horizontal | 193            | 1.48          | -       | 36.33      | 6.90       | 33.47      |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2457MHz\_TX



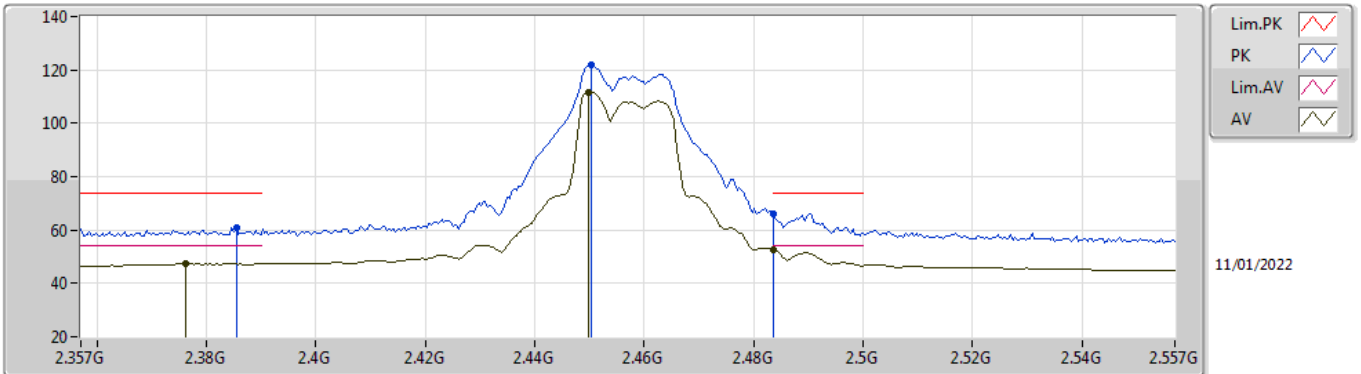
EUT\_X\_4TX  
Setting 23.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3758G      | 58.99             | 74.00             | -15.01         | 27.61         | 3           | Vertical  | 357            | 3.00          | -       | 27.59      | 3.79       | -          |
| AV   | 2.3838G      | 46.03             | 54.00             | -7.97          | 14.71         | 3           | Vertical  | 357            | 3.00          | -       | 27.53      | 3.79       | -          |
| PK   | 2.4514G      | 117.10            | Inf               | -Inf           | 86.05         | 3           | Vertical  | 357            | 3.00          | -       | 27.20      | 3.85       | -          |
| AV   | 2.4522G      | 107.34            | Inf               | -Inf           | 76.29         | 3           | Vertical  | 357            | 3.00          | -       | 27.20      | 3.85       | -          |
| PK   | 2.4835G      | 64.70             | 74.00             | -9.30          | 33.55         | 3           | Vertical  | 357            | 3.00          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4846G      | 50.89             | 54.00             | -3.11          | 19.74         | 3           | Vertical  | 357            | 3.00          | -       | 27.27      | 3.88       | -          |



## 802.11g\_Nss1,(6Mbps)\_4TX

### 2457MHz\_TX

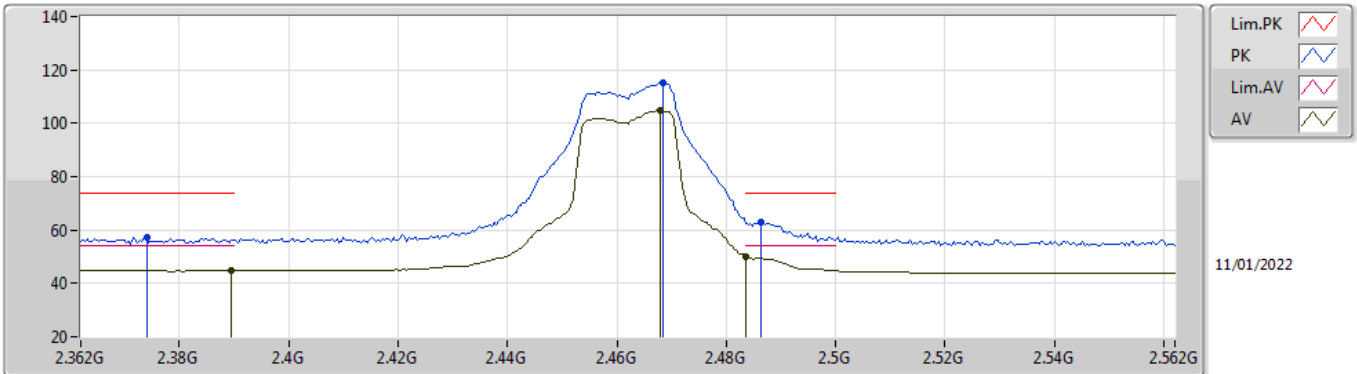


EUT\_X\_4TX  
Setting 23.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3854G      | 61.07             | 74.00             | -12.93         | 29.76         | 3           | Horizontal | 271            | 1.21          | -       | 27.52      | 3.79       | -          |
| AV   | 2.3762G      | 47.26             | 54.00             | -6.74          | 15.88         | 3           | Horizontal | 271            | 1.21          | -       | 27.59      | 3.79       | -          |
| PK   | 2.4502G      | 121.70            | Inf               | -Inf           | 90.65         | 3           | Horizontal | 271            | 1.21          | -       | 27.20      | 3.85       | -          |
| AV   | 2.4498G      | 111.54            | Inf               | -Inf           | 80.49         | 3           | Horizontal | 271            | 1.21          | -       | 27.20      | 3.85       | -          |
| PK   | 2.4835G      | 66.13             | 74.00             | -7.87          | 34.98         | 3           | Horizontal | 271            | 1.21          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 52.72             | 54.00             | -1.28          | 21.57         | 3           | Horizontal | 271            | 1.21          | -       | 27.27      | 3.88       | -          |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2462MHz\_TX

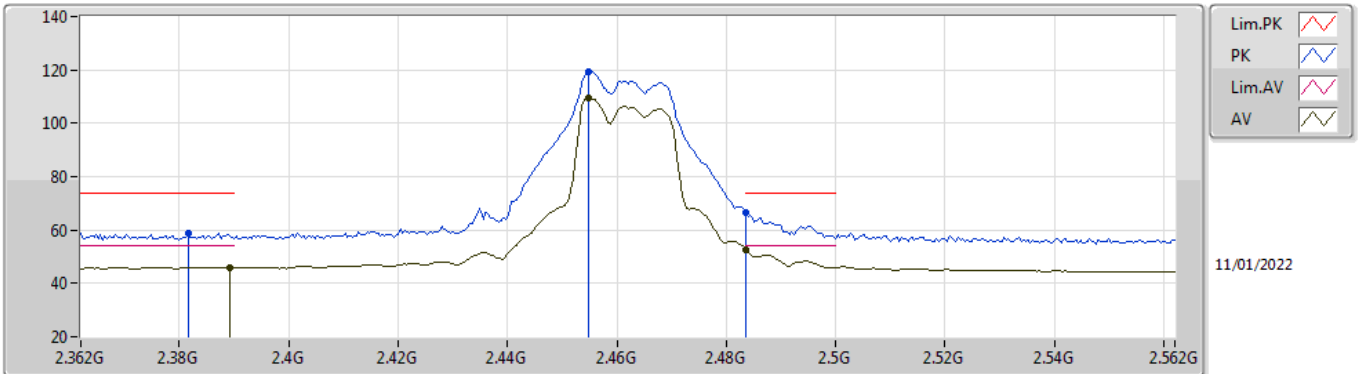


EUT X\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.374G       | 57.37             | 74.00             | -16.63         | 25.97         | 3           | Vertical  | 355            | 2.28          | -       | 27.61      | 3.79       | -          |
| AV   | 2.3896G      | 44.88             | 54.00             | -9.12          | 13.61         | 3           | Vertical  | 355            | 2.28          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4684G      | 115.09            | Inf               | -Inf           | 83.98         | 3           | Vertical  | 355            | 2.28          | -       | 27.24      | 3.87       | -          |
| AV   | 2.468G       | 104.75            | Inf               | -Inf           | 73.64         | 3           | Vertical  | 355            | 2.28          | -       | 27.24      | 3.87       | -          |
| PK   | 2.4864G      | 63.13             | 74.00             | -10.87         | 31.97         | 3           | Vertical  | 355            | 2.28          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4835G      | 49.99             | 54.00             | -4.01          | 18.84         | 3           | Vertical  | 355            | 2.28          | -       | 27.27      | 3.88       | -          |

# 802.11g\_Nss1,(6Mbps)\_4TX

## 2462MHz\_TX

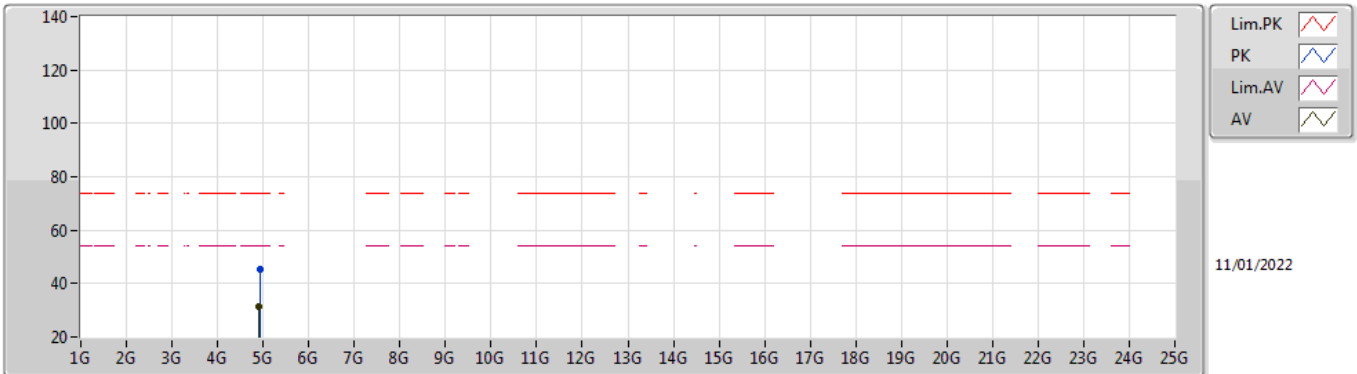


EUT\_X\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3816G      | 58.84             | 74.00             | -15.16         | 27.50         | 3           | Horizontal | 274            | 1.18          | -       | 27.55      | 3.79       | -          |
| AV   | 2.3892G      | 46.05             | 54.00             | -7.95          | 14.77         | 3           | Horizontal | 274            | 1.18          | -       | 27.49      | 3.79       | -          |
| PK   | 2.4548G      | 119.19            | Inf               | -Inf           | 88.13         | 3           | Horizontal | 274            | 1.18          | -       | 27.21      | 3.85       | -          |
| AV   | 2.4548G      | 109.38            | Inf               | -Inf           | 78.32         | 3           | Horizontal | 274            | 1.18          | -       | 27.21      | 3.85       | -          |
| PK   | 2.4835G      | 66.79             | 74.00             | -7.21          | 35.64         | 3           | Horizontal | 274            | 1.18          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 52.55             | 54.00             | -1.45          | 21.40         | 3           | Horizontal | 274            | 1.18          | -       | 27.27      | 3.88       | -          |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2462MHz\_TX

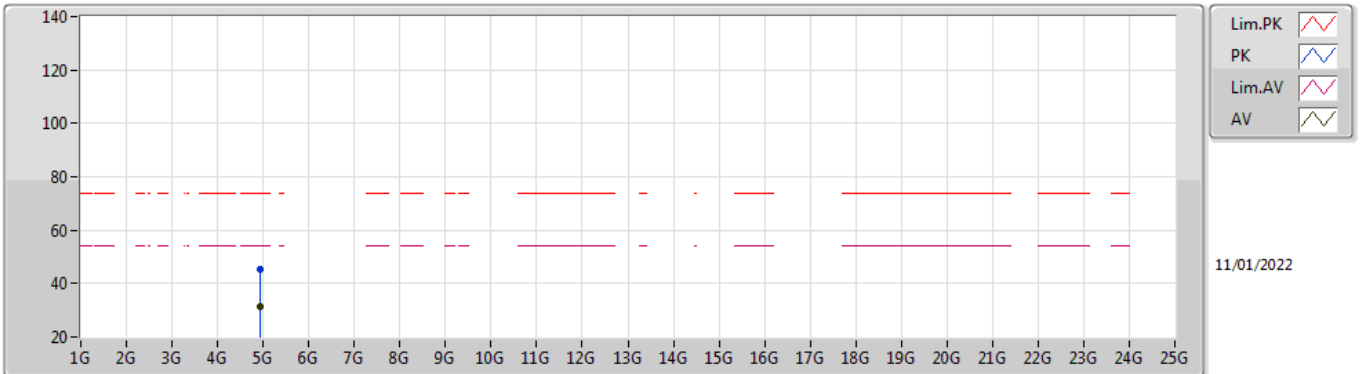


EUT Y\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.92562G     | 45.26             | 74.00             | -28.74         | 40.43         | 3           | Vertical  | 197            | 2.61          | -       | 31.20      | 5.60       | 31.97      |
| AV   | 4.9191G      | 31.20             | 54.00             | -22.80         | 26.40         | 3           | Vertical  | 197            | 2.61          | -       | 31.18      | 5.60       | 31.98      |

## 802.11g\_Nss1,(6Mbps)\_4TX

### 2462MHz\_TX

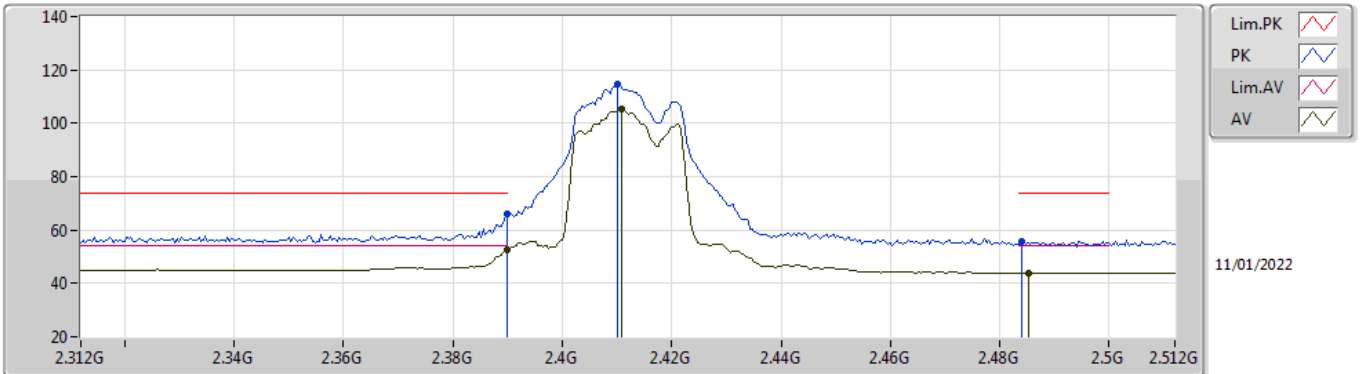


EUT Y\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.92286G     | 45.13             | 74.00             | -28.87         | 40.31         | 3           | Horizontal | 146            | 2.23          | -       | 31.19      | 5.60       | 31.97      |  |
| AV   | 4.9236G      | 31.17             | 54.00             | -22.83         | 26.35         | 3           | Horizontal | 146            | 2.23          | -       | 31.19      | 5.60       | 31.97      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

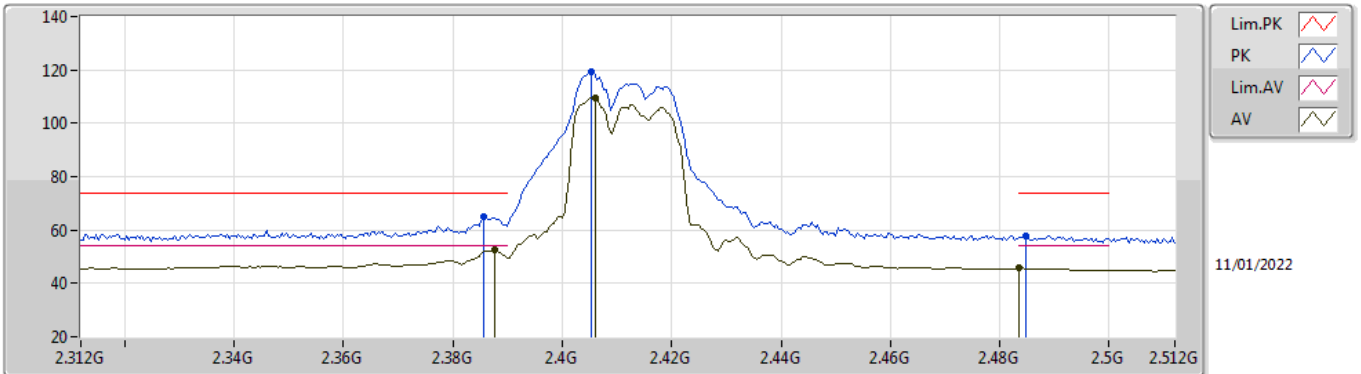


EUT X\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.39G        | 65.87             | 74.00             | -8.13          | 34.60         | 3           | Vertical  | 344            | 1.35          | -       | 27.48      | 3.79       | -          |
| AV   | 2.39G        | 52.70             | 54.00             | -1.30          | 21.43         | 3           | Vertical  | 344            | 1.35          | -       | 27.48      | 3.79       | -          |
| PK   | 2.41G        | 114.67            | Inf               | -Inf           | 83.50         | 3           | Vertical  | 344            | 1.35          | -       | 27.36      | 3.81       | -          |
| AV   | 2.4108G      | 105.58            | Inf               | -Inf           | 74.41         | 3           | Vertical  | 344            | 1.35          | -       | 27.36      | 3.81       | -          |
| PK   | 2.484G       | 55.75             | 74.00             | -18.25         | 24.60         | 3           | Vertical  | 344            | 1.35          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4852G      | 43.92             | 54.00             | -10.08         | 12.76         | 3           | Vertical  | 344            | 1.35          | -       | 27.27      | 3.89       | -          |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

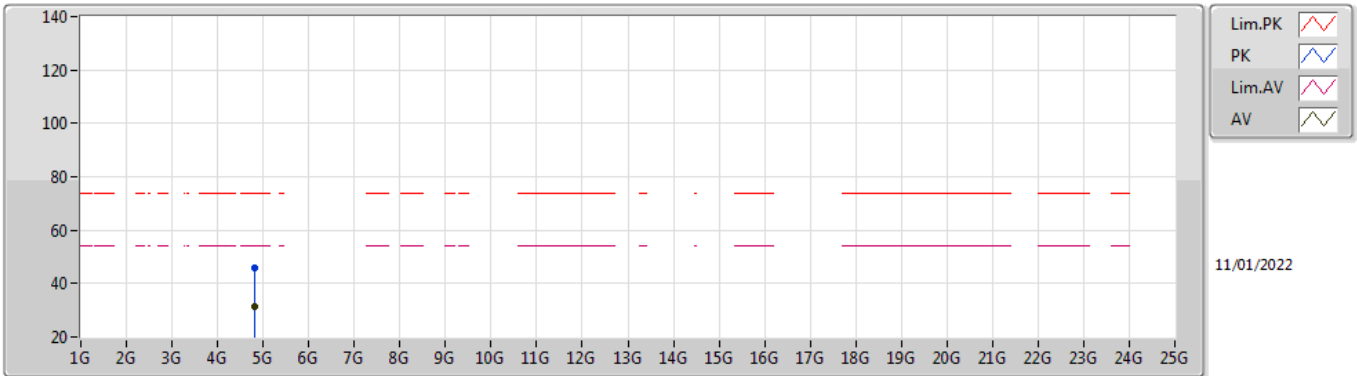


EUT X\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3856G      | 64.80             | 74.00             | -9.20          | 33.49         | 3           | Horizontal | 273            | 1.26          | -       | 27.52      | 3.79       | -          |
| AV   | 2.3876G      | 52.57             | 54.00             | -1.43          | 21.28         | 3           | Horizontal | 273            | 1.26          | -       | 27.50      | 3.79       | -          |
| PK   | 2.4052G      | 119.21            | Inf               | -Inf           | 88.02         | 3           | Horizontal | 273            | 1.26          | -       | 27.38      | 3.81       | -          |
| AV   | 2.406G       | 109.68            | Inf               | -Inf           | 78.49         | 3           | Horizontal | 273            | 1.26          | -       | 27.38      | 3.81       | -          |
| PK   | 2.4848G      | 57.77             | 74.00             | -16.23         | 26.62         | 3           | Horizontal | 273            | 1.26          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 45.65             | 54.00             | -8.35          | 14.50         | 3           | Horizontal | 273            | 1.26          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX



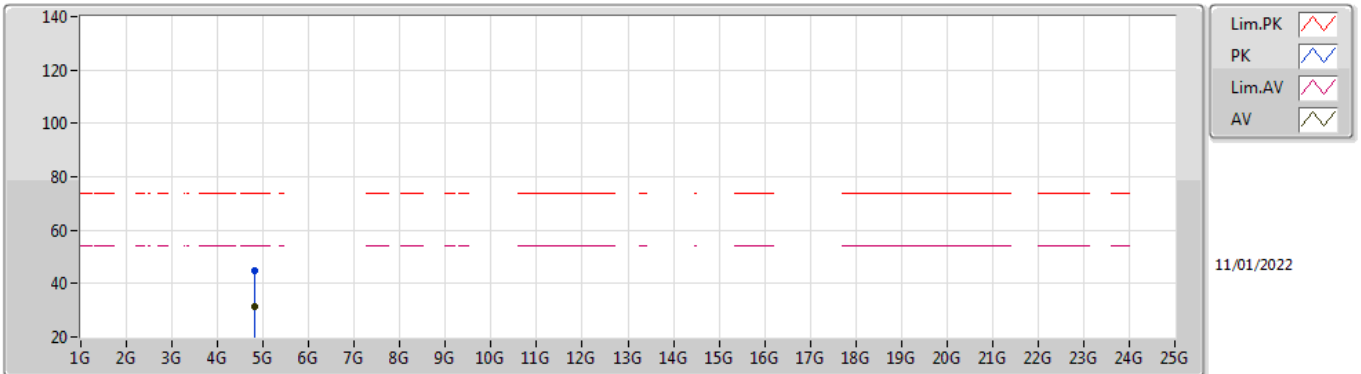
EUT Y\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.8194G      | 45.66             | 74.00             | -28.34         | 41.06         | 3           | Vertical  | 289            | 2.71          | -       | 31.06      | 5.60       | 32.06      |
| AV   | 4.81934G     | 31.38             | 54.00             | -22.62         | 26.78         | 3           | Vertical  | 289            | 2.71          | -       | 31.06      | 5.60       | 32.06      |



## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

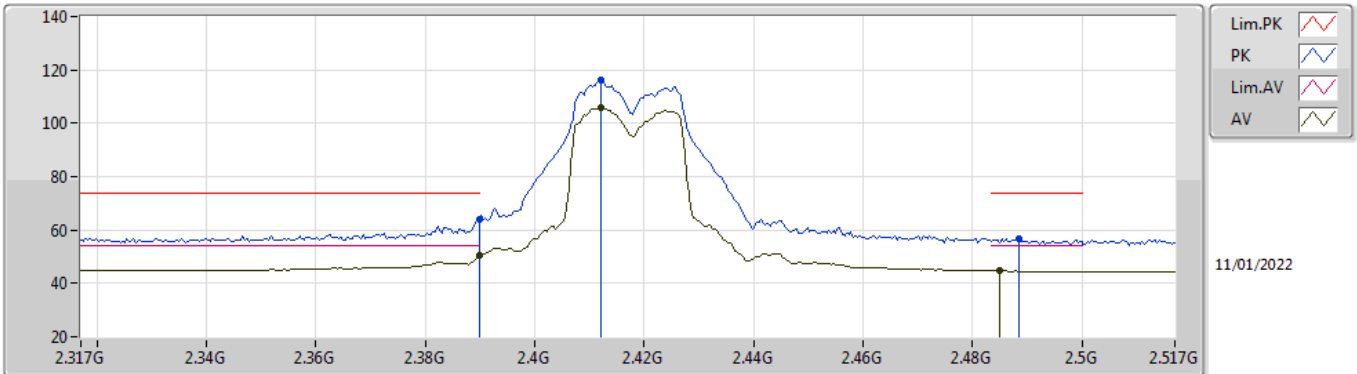


EUT Y\_4TX  
Setting 21  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.82052G     | 45.08             | 74.00             | -28.92         | 40.48         | 3           | Horizontal | 357            | 1.46          | -       | 31.06      | 5.60       | 32.06      |
| AV   | 4.82024G     | 31.40             | 54.00             | -22.60         | 26.80         | 3           | Horizontal | 357            | 1.46          | -       | 31.06      | 5.60       | 32.06      |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2417MHz\_TX

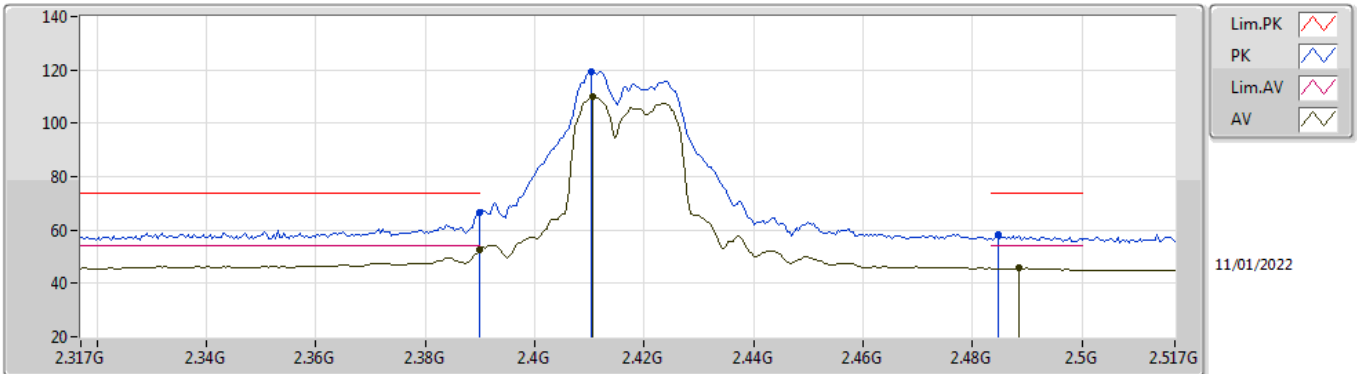


EUT\_X\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3898G      | 63.72             | 74.00             | -10.28         | 32.45         | 3           | Vertical  | 0.1            | 2.74          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3898G      | 50.38             | 54.00             | -3.62          | 19.11         | 3           | Vertical  | 0.1            | 2.74          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4122G      | 116.31            | Inf               | -Inf           | 85.15         | 3           | Vertical  | 0.1            | 2.74          | -       | 27.35      | 3.81       | -          |
| AV   | 2.4122G      | 105.69            | Inf               | -Inf           | 74.53         | 3           | Vertical  | 0.1            | 2.74          | -       | 27.35      | 3.81       | -          |
| PK   | 2.4886G      | 56.78             | 74.00             | -17.22         | 25.61         | 3           | Vertical  | 0.1            | 2.74          | -       | 27.28      | 3.89       | -          |
| AV   | 2.485G       | 44.68             | 54.00             | -9.32          | 13.52         | 3           | Vertical  | 0.1            | 2.74          | -       | 27.27      | 3.89       | -          |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2417MHz\_TX

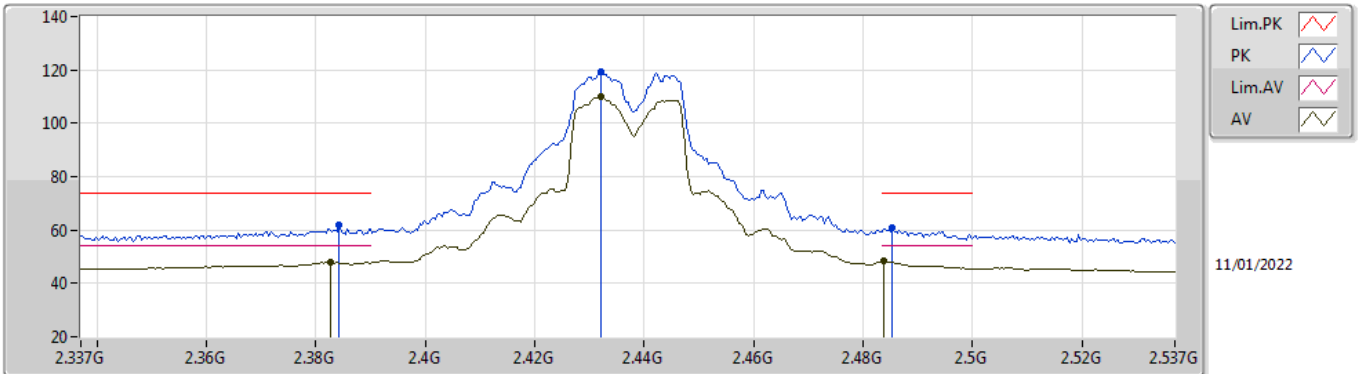


EUT X\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3898G      | 66.69             | 74.00             | -7.31          | 35.42         | 3           | Horizontal | 268            | 1.67          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3898G      | 52.69             | 54.00             | -1.31          | 21.42         | 3           | Horizontal | 268            | 1.67          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4102G      | 119.32            | Inf               | -Inf           | 88.15         | 3           | Horizontal | 268            | 1.67          | -       | 27.36      | 3.81       | -          |
| AV   | 2.4106G      | 110.23            | Inf               | -Inf           | 79.06         | 3           | Horizontal | 268            | 1.67          | -       | 27.36      | 3.81       | -          |
| PK   | 2.4846G      | 58.04             | 74.00             | -15.96         | 26.89         | 3           | Horizontal | 268            | 1.67          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4886G      | 45.69             | 54.00             | -8.31          | 14.52         | 3           | Horizontal | 268            | 1.67          | -       | 27.28      | 3.89       | -          |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

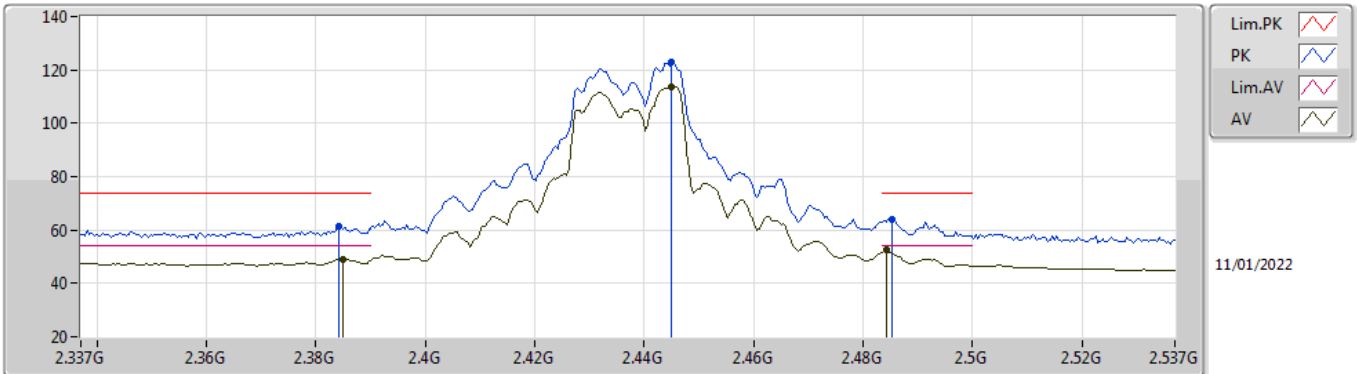


EUT\_X\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3842G      | 61.90             | 74.00             | -12.10         | 30.58         | 3           | Vertical  | 0              | 2.70          | -       | 27.53      | 3.79       | -          |
| AV   | 2.3826G      | 47.91             | 54.00             | -6.09          | 16.58         | 3           | Vertical  | 0              | 2.70          | -       | 27.54      | 3.79       | -          |
| PK   | 2.4322G      | 119.30            | Inf               | -Inf           | 88.20         | 3           | Vertical  | 0              | 2.70          | -       | 27.27      | 3.83       | -          |
| AV   | 2.4322G      | 110.14            | Inf               | -Inf           | 79.04         | 3           | Vertical  | 0              | 2.70          | -       | 27.27      | 3.83       | -          |
| PK   | 2.4854G      | 60.63             | 74.00             | -13.37         | 29.47         | 3           | Vertical  | 0              | 2.70          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4838G      | 48.55             | 54.00             | -5.45          | 17.40         | 3           | Vertical  | 0              | 2.70          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

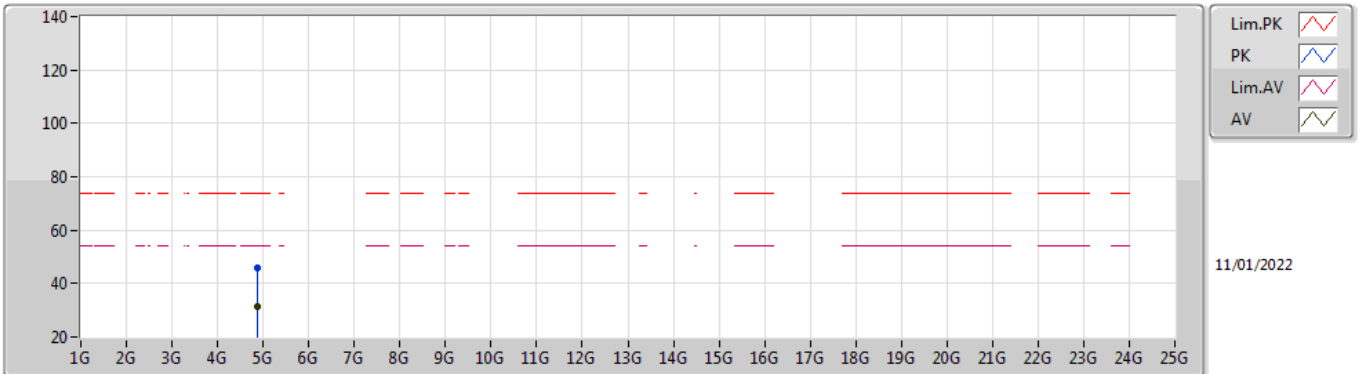


EUT\_X\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3842G      | 61.15             | 74.00             | -12.85         | 29.83         | 3           | Horizontal | 245            | 2.61          | -       | 27.53      | 3.79       | -          |
| AV   | 2.385G       | 49.14             | 54.00             | -4.86          | 17.83         | 3           | Horizontal | 245            | 2.61          | -       | 27.52      | 3.79       | -          |
| PK   | 2.445G       | 122.81            | Inf               | -Inf           | 91.75         | 3           | Horizontal | 245            | 2.61          | -       | 27.22      | 3.84       | -          |
| AV   | 2.445G       | 113.43            | Inf               | -Inf           | 82.37         | 3           | Horizontal | 245            | 2.61          | -       | 27.22      | 3.84       | -          |
| PK   | 2.4854G      | 63.86             | 74.00             | -10.14         | 32.70         | 3           | Horizontal | 245            | 2.61          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4842G      | 52.56             | 54.00             | -1.44          | 21.41         | 3           | Horizontal | 245            | 2.61          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

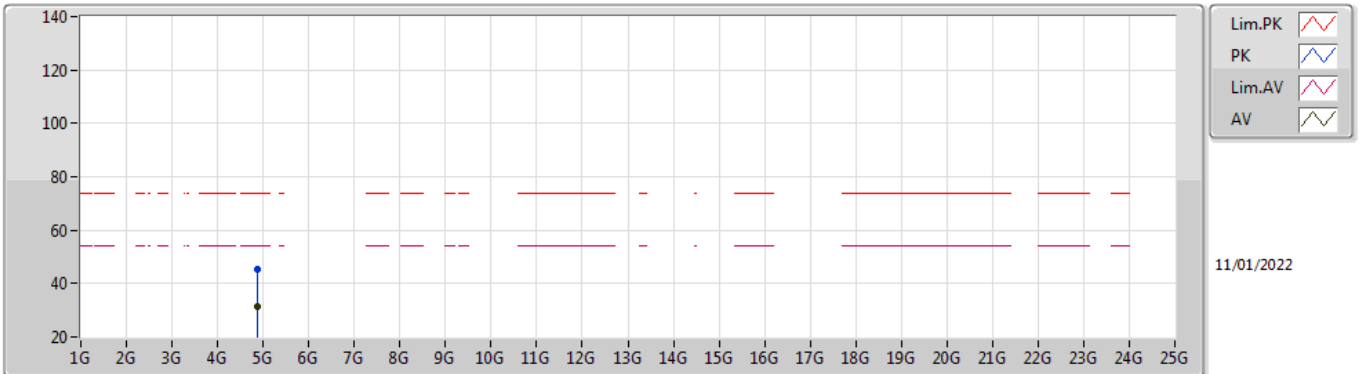


EUT Y\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.87802G     | 45.67             | 74.00             | -28.33         | 41.02         | 3           | Vertical  | 60             | 2.98          | -       | 31.06      | 5.60       | 32.01      |  |
| AV   | 4.87192G     | 31.55             | 54.00             | -22.45         | 26.93         | 3           | Vertical  | 60             | 2.98          | -       | 31.04      | 5.60       | 32.02      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

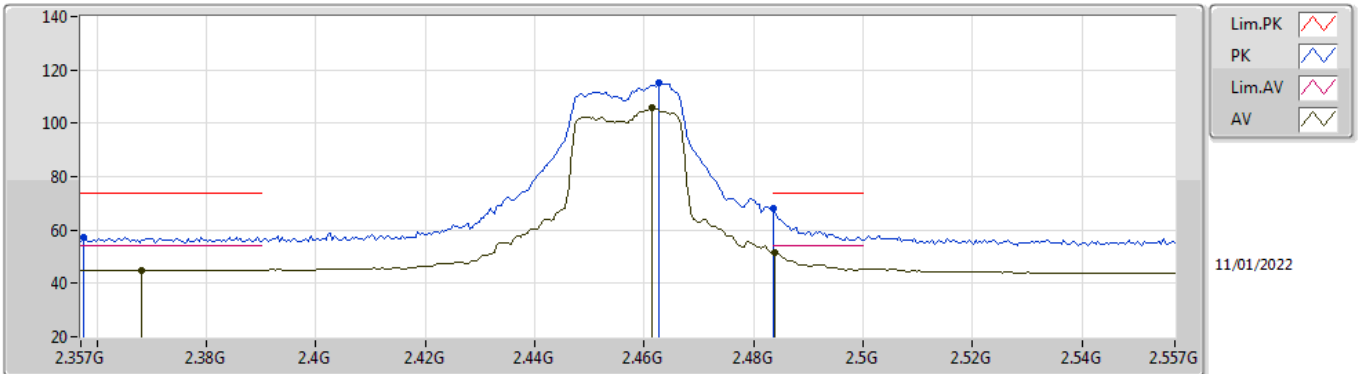


EUT Y\_4TX  
Setting 29  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.87674G     | 45.41             | 74.00             | -28.59         | 40.77         | 3           | Horizontal | 135            | 1.02          | -       | 31.05      | 5.60       | 32.01      |
| AV   | 4.87188G     | 31.53             | 54.00             | -22.47         | 26.91         | 3           | Horizontal | 135            | 1.02          | -       | 31.04      | 5.60       | 32.02      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 2457MHz\_TX



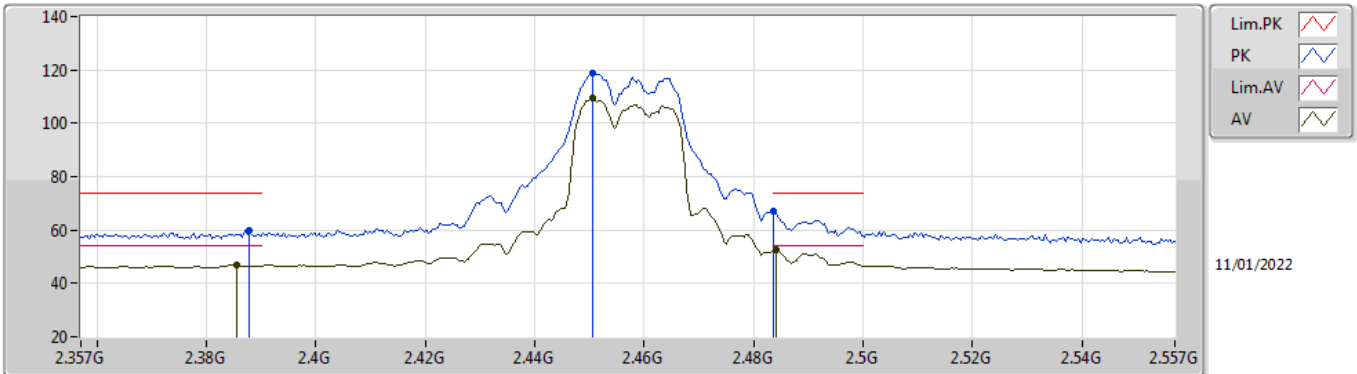
EUT\_X\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3574G      | 57.46             | 74.00             | -16.54         | 25.94         | 3           | Vertical  | 360            | 2.29          | -       | 27.74      | 3.78       | -          |
| AV   | 2.3682G      | 45.07             | 54.00             | -8.93          | 13.64         | 3           | Vertical  | 360            | 2.29          | -       | 27.65      | 3.78       | -          |
| PK   | 2.4626G      | 115.39            | Inf               | -Inf           | 84.30         | 3           | Vertical  | 360            | 2.29          | -       | 27.23      | 3.86       | -          |
| AV   | 2.4614G      | 105.93            | Inf               | -Inf           | 74.85         | 3           | Vertical  | 360            | 2.29          | -       | 27.22      | 3.86       | -          |
| PK   | 2.4835G      | 68.05             | 74.00             | -5.95          | 36.90         | 3           | Vertical  | 360            | 2.29          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4838G      | 51.52             | 54.00             | -2.48          | 20.37         | 3           | Vertical  | 360            | 2.29          | -       | 27.27      | 3.88       | -          |



## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2457MHz\_TX

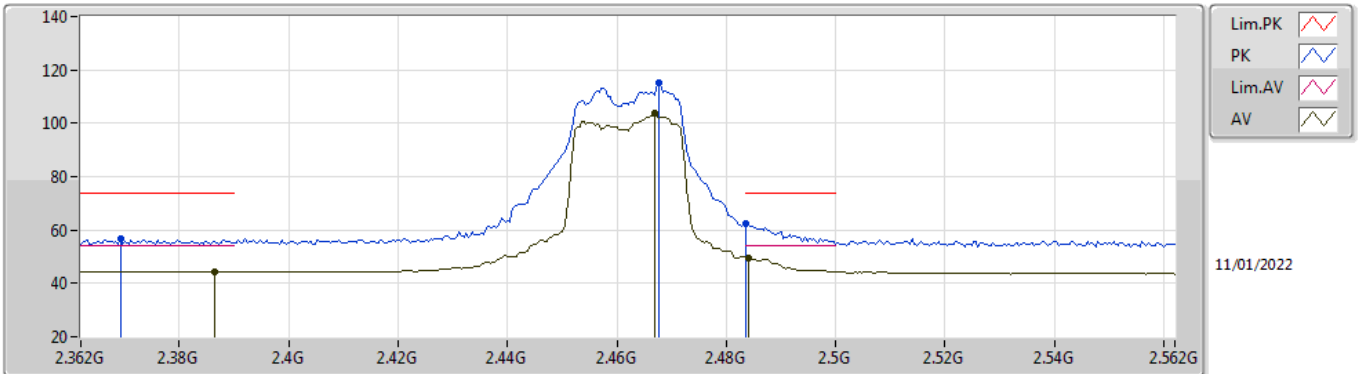


EUT\_X\_4TX  
Setting 22  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3878G      | 59.75             | 74.00             | -14.25         | 28.46         | 3           | Horizontal | 275            | 1.85          | -       | 27.50      | 3.79       | -          |
| AV   | 2.3854G      | 46.83             | 54.00             | -7.17          | 15.52         | 3           | Horizontal | 275            | 1.85          | -       | 27.52      | 3.79       | -          |
| PK   | 2.4506G      | 118.68            | Inf               | -Inf           | 87.63         | 3           | Horizontal | 275            | 1.85          | -       | 27.20      | 3.85       | -          |
| AV   | 2.4506G      | 109.35            | Inf               | -Inf           | 78.30         | 3           | Horizontal | 275            | 1.85          | -       | 27.20      | 3.85       | -          |
| PK   | 2.4835G      | 67.23             | 74.00             | -6.77          | 36.08         | 3           | Horizontal | 275            | 1.85          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4842G      | 52.70             | 54.00             | -1.30          | 21.55         | 3           | Horizontal | 275            | 1.85          | -       | 27.27      | 3.88       | -          |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

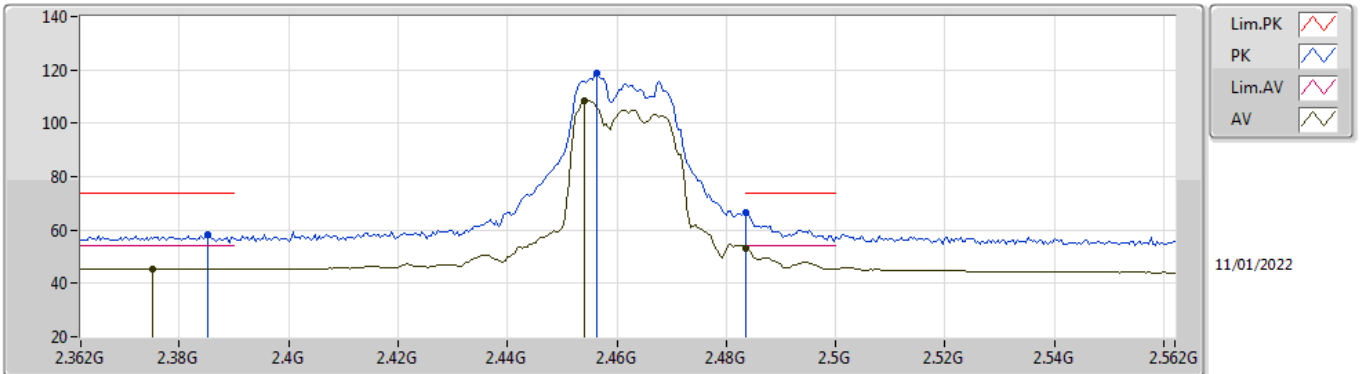


EUT\_X\_4TX  
Setting 19.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3692G      | 56.79             | 74.00             | -17.21         | 25.36         | 3           | Vertical  | 360            | 2.29          | -       | 27.65      | 3.78       | -          |
| AV   | 2.3864G      | 44.37             | 54.00             | -9.63          | 13.07         | 3           | Vertical  | 360            | 2.29          | -       | 27.51      | 3.79       | -          |
| PK   | 2.4676G      | 115.03            | Inf               | -Inf           | 83.92         | 3           | Vertical  | 360            | 2.29          | -       | 27.24      | 3.87       | -          |
| AV   | 2.4668G      | 103.58            | Inf               | -Inf           | 72.48         | 3           | Vertical  | 360            | 2.29          | -       | 27.23      | 3.87       | -          |
| PK   | 2.4835G      | 62.57             | 74.00             | -11.43         | 31.42         | 3           | Vertical  | 360            | 2.29          | -       | 27.27      | 3.88       | -          |
| AV   | 2.484G       | 49.45             | 54.00             | -4.55          | 18.30         | 3           | Vertical  | 360            | 2.29          | -       | 27.27      | 3.88       | -          |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

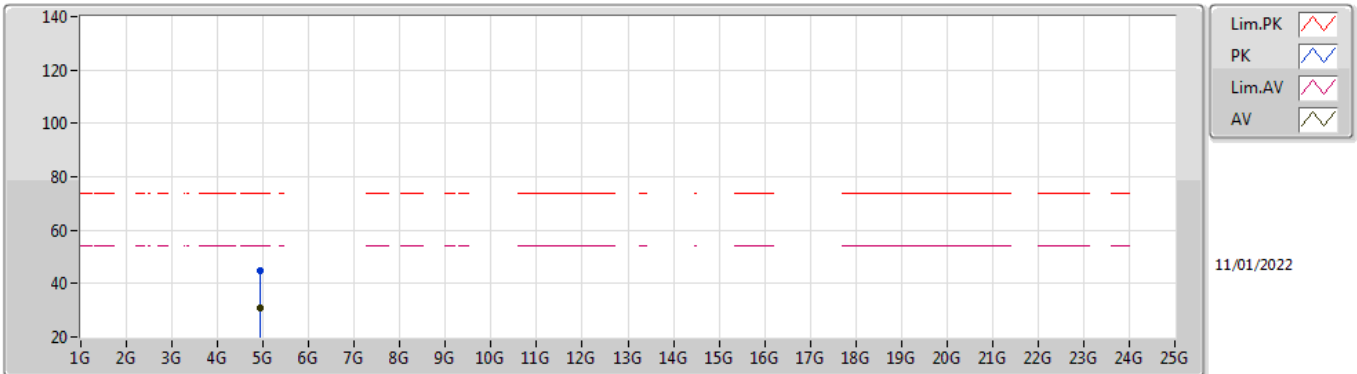


EUT\_X\_4TX  
Setting 19.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3852G      | 58.37             | 74.00             | -15.63         | 27.06         | 3           | Horizontal | 275            | 1.19          | -       | 27.52      | 3.79       | -          |
| AV   | 2.3752G      | 45.49             | 54.00             | -8.51          | 14.10         | 3           | Horizontal | 275            | 1.19          | -       | 27.60      | 3.79       | -          |
| PK   | 2.4564G      | 118.67            | Inf               | -Inf           | 87.60         | 3           | Horizontal | 275            | 1.19          | -       | 27.21      | 3.86       | -          |
| AV   | 2.454G       | 108.35            | Inf               | -Inf           | 77.29         | 3           | Horizontal | 275            | 1.19          | -       | 27.21      | 3.85       | -          |
| PK   | 2.4835G      | 66.60             | 74.00             | -7.40          | 35.45         | 3           | Horizontal | 275            | 1.19          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 52.99             | 54.00             | -1.01          | 21.84         | 3           | Horizontal | 275            | 1.19          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

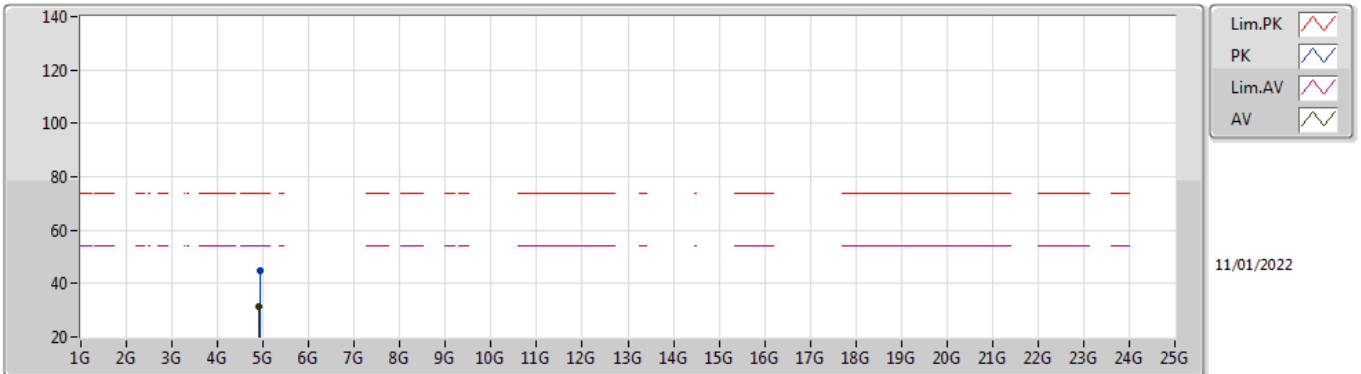


EUT Y\_4TX  
Setting 19.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.92444G     | 45.06             | 74.00             | -28.94         | 40.23         | 3           | Vertical  | 141            | 1.84          | -       | 31.20      | 5.60       | 31.97      |  |
| AV   | 4.91994G     | 31.09             | 54.00             | -22.91         | 26.29         | 3           | Vertical  | 141            | 1.84          | -       | 31.18      | 5.60       | 31.98      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

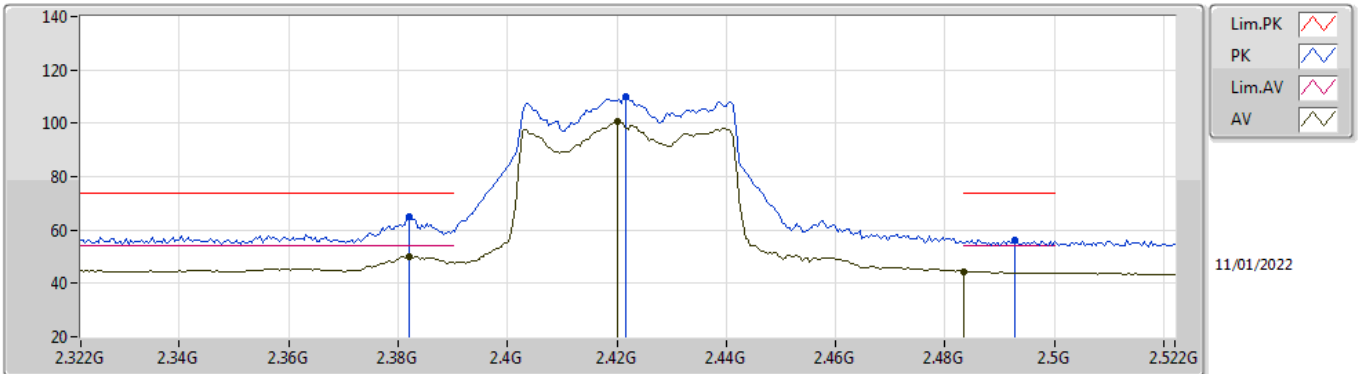


EUT Y\_4TX  
Setting 19.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.92054G     | 45.02             | 74.00             | -28.98         | 40.22         | 3           | Horizontal | 312            | 1.47          | -       | 31.18      | 5.60       | 31.98      |  |
| AV   | 4.91918G     | 31.15             | 54.00             | -22.85         | 26.35         | 3           | Horizontal | 312            | 1.47          | -       | 31.18      | 5.60       | 31.98      |  |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

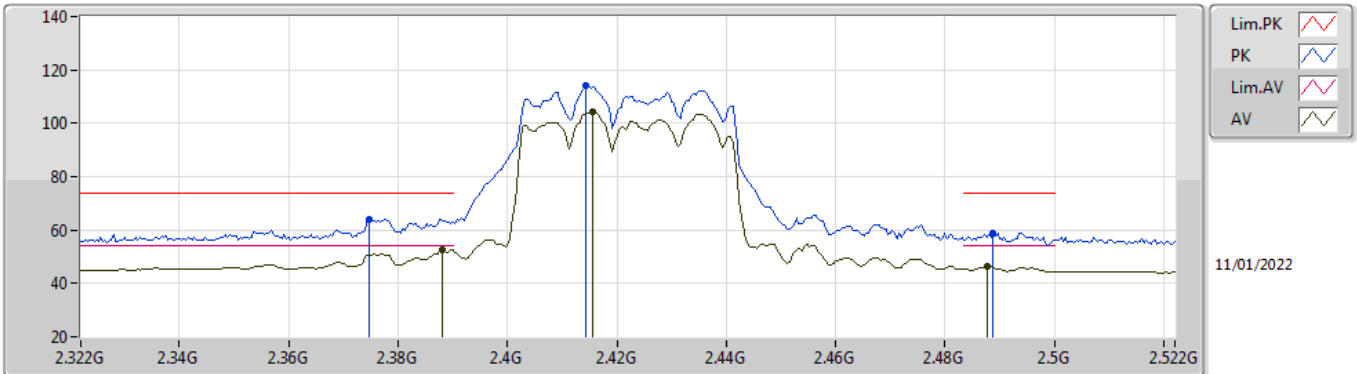


EUT X\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.382G       | 65.03             | 74.00             | -8.97          | 33.70         | 3           | Vertical  | 352            | 1.38          | -       | 27.54      | 3.79       | -          |
| AV   | 2.382G       | 50.16             | 54.00             | -3.84          | 18.83         | 3           | Vertical  | 352            | 1.38          | -       | 27.54      | 3.79       | -          |
| PK   | 2.4216G      | 109.93            | Inf               | -Inf           | 78.80         | 3           | Vertical  | 352            | 1.38          | -       | 27.31      | 3.82       | -          |
| AV   | 2.42G        | 100.85            | Inf               | -Inf           | 69.71         | 3           | Vertical  | 352            | 1.38          | -       | 27.32      | 3.82       | -          |
| PK   | 2.4928G      | 56.41             | 74.00             | -17.59         | 25.23         | 3           | Vertical  | 352            | 1.38          | -       | 27.29      | 3.89       | -          |
| AV   | 2.4835G      | 44.48             | 54.00             | -9.52          | 13.33         | 3           | Vertical  | 352            | 1.38          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

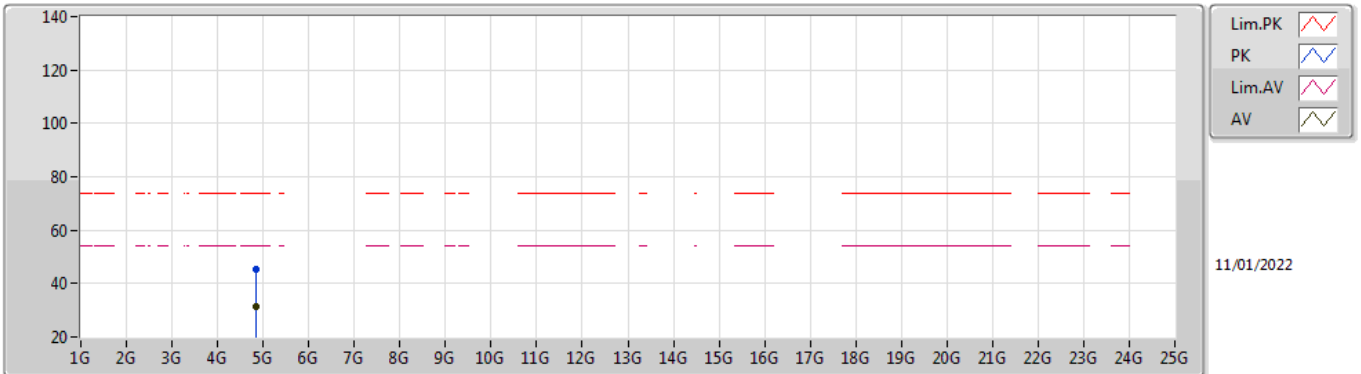


EUT X\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3748G      | 64.18             | 74.00             | -9.82          | 32.79         | 3           | Horizontal | 267            | 1.42          | -       | 27.60      | 3.79       | -          |
| AV   | 2.388G       | 52.60             | 54.00             | -1.40          | 21.31         | 3           | Horizontal | 267            | 1.42          | -       | 27.50      | 3.79       | -          |
| PK   | 2.4144G      | 114.22            | Inf               | -Inf           | 83.07         | 3           | Horizontal | 267            | 1.42          | -       | 27.34      | 3.81       | -          |
| AV   | 2.4156G      | 104.37            | Inf               | -Inf           | 73.21         | 3           | Horizontal | 267            | 1.42          | -       | 27.34      | 3.82       | -          |
| PK   | 2.4888G      | 58.89             | 74.00             | -15.11         | 27.72         | 3           | Horizontal | 267            | 1.42          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4876G      | 46.38             | 54.00             | -7.62          | 15.21         | 3           | Horizontal | 267            | 1.42          | -       | 27.28      | 3.89       | -          |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX



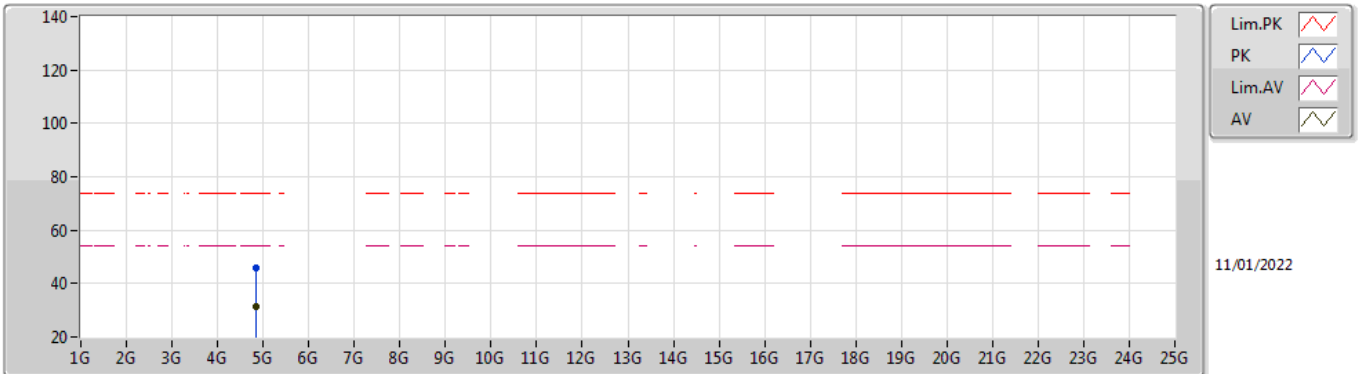
EUT Y\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.84762G     | 45.12             | 74.00             | -28.88         | 40.56         | 3           | Vertical  | 127            | 1.97          | -       | 31.00      | 5.60       | 32.04      |
| AV   | 4.84102G     | 31.33             | 54.00             | -22.67         | 26.75         | 3           | Vertical  | 127            | 1.97          | -       | 31.02      | 5.60       | 32.04      |



## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

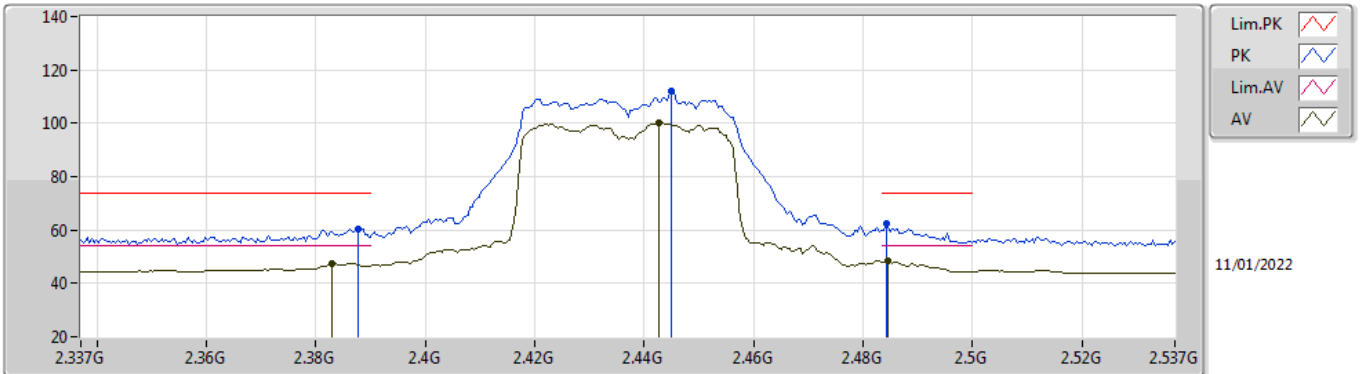


EUT Y\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.8417G      | 45.72             | 74.00             | -28.28         | 41.14         | 3           | Horizontal | 277            | 1.48          | -       | 31.02      | 5.60       | 32.04      |  |
| AV   | 4.8396G      | 31.36             | 54.00             | -22.64         | 26.78         | 3           | Horizontal | 277            | 1.48          | -       | 31.02      | 5.60       | 32.04      |  |

# 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

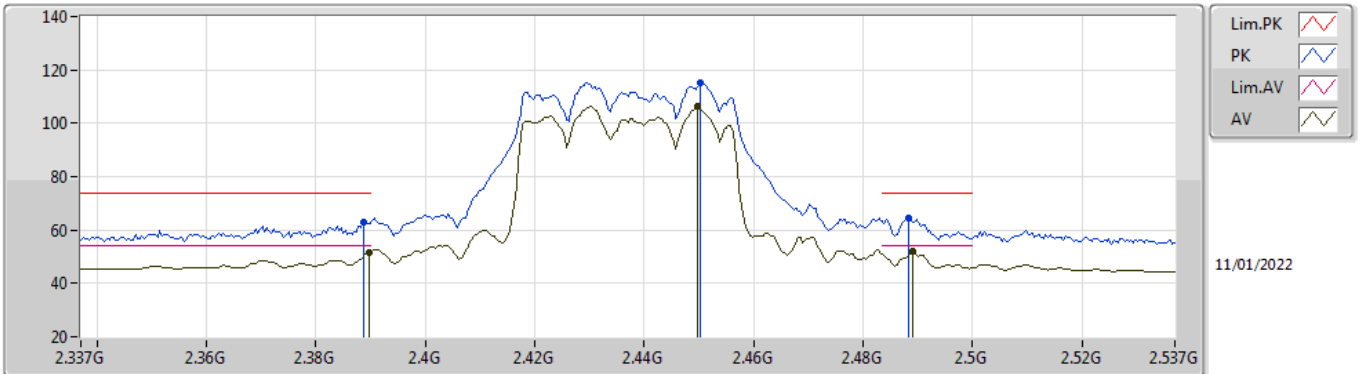


EUT\_X\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3878G      | 60.53             | 74.00             | -13.47         | 29.24         | 3           | Vertical  | 3.4            | 2.62          | -       | 27.50      | 3.79       | -          |
| AV   | 2.383G       | 47.65             | 54.00             | -6.35          | 16.32         | 3           | Vertical  | 3.4            | 2.62          | -       | 27.54      | 3.79       | -          |
| PK   | 2.445G       | 112.07            | Inf               | -Inf           | 81.01         | 3           | Vertical  | 3.4            | 2.62          | -       | 27.22      | 3.84       | -          |
| AV   | 2.4426G      | 100.38            | Inf               | -Inf           | 69.31         | 3           | Vertical  | 3.4            | 2.62          | -       | 27.23      | 3.84       | -          |
| PK   | 2.4842G      | 62.37             | 74.00             | -11.63         | 31.22         | 3           | Vertical  | 3.4            | 2.62          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4846G      | 48.23             | 54.00             | -5.77          | 17.08         | 3           | Vertical  | 3.4            | 2.62          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

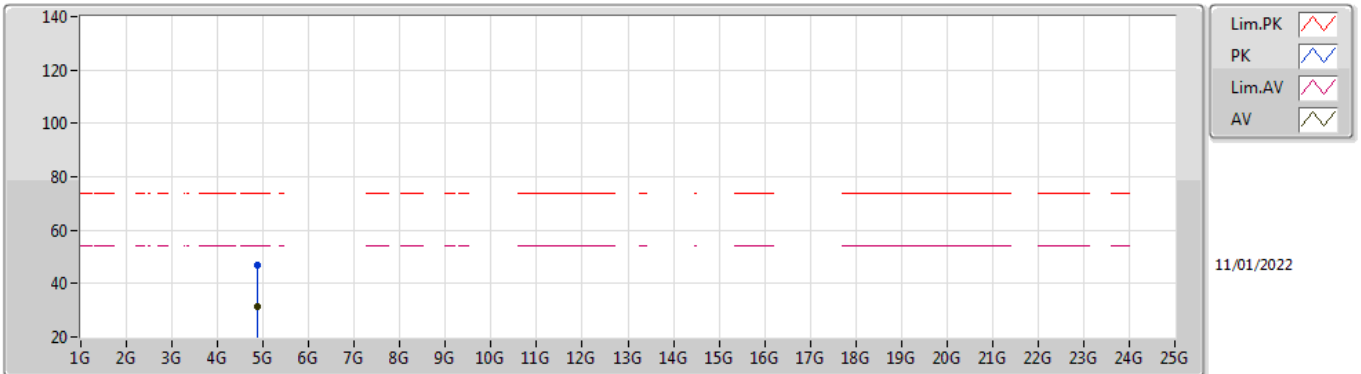


EUT X\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3886G      | 62.93             | 74.00             | -11.07         | 31.65         | 3           | Horizontal | 269            | 1.19          | -       | 27.49      | 3.79       | -          |
| AV   | 2.3898G      | 51.35             | 54.00             | -2.65          | 20.08         | 3           | Horizontal | 269            | 1.19          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4502G      | 115.25            | Inf               | -Inf           | 84.20         | 3           | Horizontal | 269            | 1.19          | -       | 27.20      | 3.85       | -          |
| AV   | 2.4498G      | 106.36            | Inf               | -Inf           | 75.31         | 3           | Horizontal | 269            | 1.19          | -       | 27.20      | 3.85       | -          |
| PK   | 2.4882G      | 64.53             | 74.00             | -9.47          | 33.36         | 3           | Horizontal | 269            | 1.19          | -       | 27.28      | 3.89       | -          |
| AV   | 2.489G       | 51.90             | 54.00             | -2.10          | 20.73         | 3           | Horizontal | 269            | 1.19          | -       | 27.28      | 3.89       | -          |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

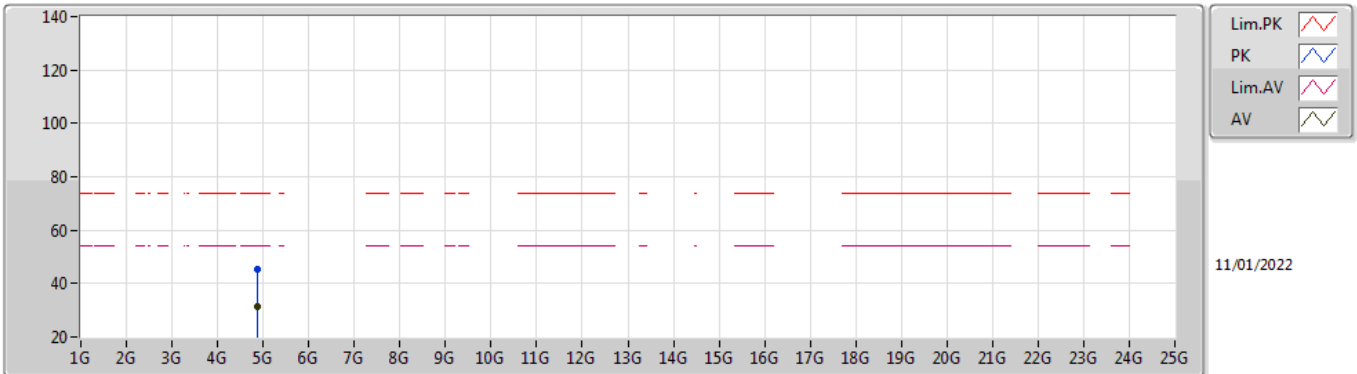


EUT Y\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.87682G     | 46.86             | 74.00             | -27.14         | 42.22         | 3           | Vertical  | 283            | 2.86          | -       | 31.05      | 5.60       | 32.01      |  |
| AV   | 4.87832G     | 31.47             | 54.00             | -22.53         | 26.82         | 3           | Vertical  | 283            | 2.86          | -       | 31.06      | 5.60       | 32.01      |  |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

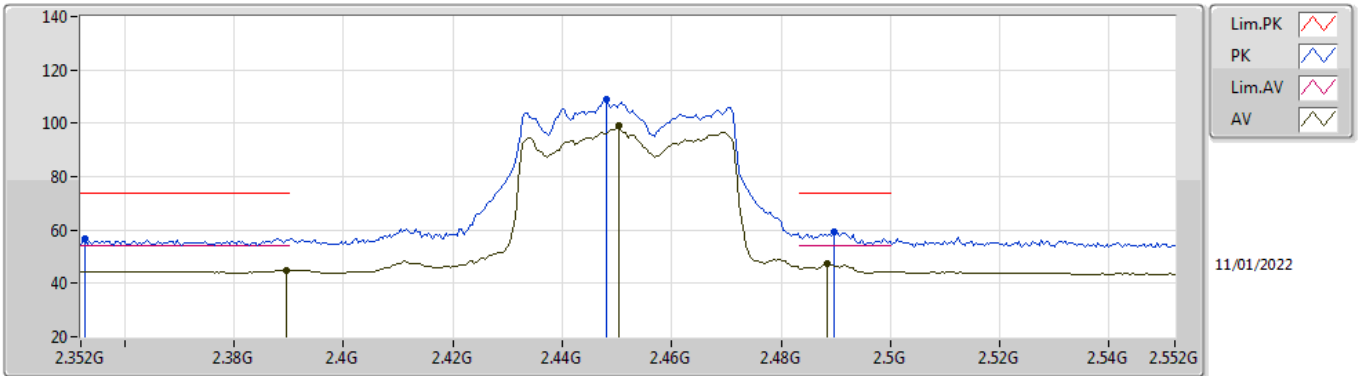


EUT Y\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.87226G     | 45.29             | 74.00             | -28.71         | 40.67         | 3           | Horizontal | 283            | 2.75          | -       | 31.04      | 5.60       | 32.02      |  |
| AV   | 4.87116G     | 31.48             | 54.00             | -22.52         | 26.86         | 3           | Horizontal | 283            | 2.75          | -       | 31.04      | 5.60       | 32.02      |  |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX

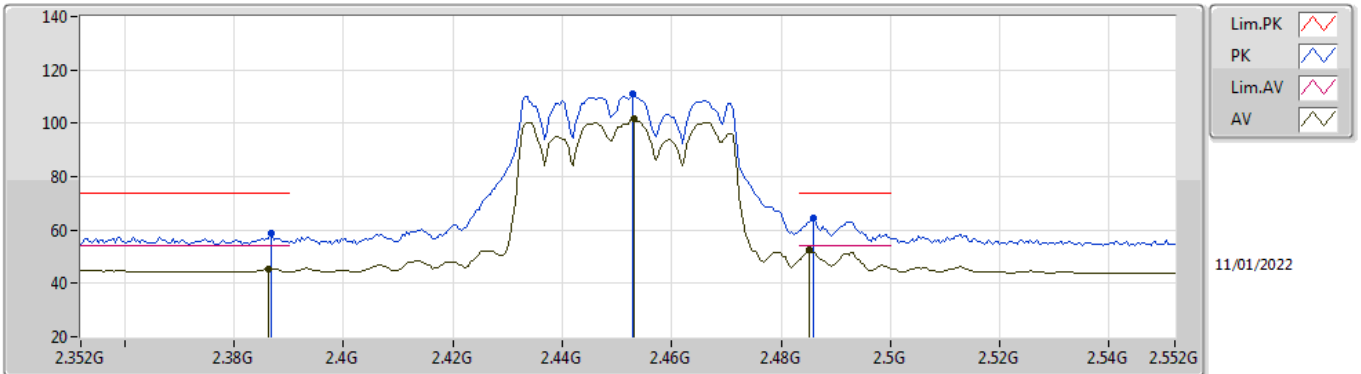


EUT X\_4TX  
Setting 18.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3528G      | 56.70             | 74.00             | -17.30         | 25.14         | 3           | Vertical  | 350            | 1.14          | -       | 27.78      | 3.78       | -          |
| AV   | 2.3896G      | 44.83             | 54.00             | -9.17          | 13.56         | 3           | Vertical  | 350            | 1.14          | -       | 27.48      | 3.79       | -          |
| PK   | 2.448G       | 108.96            | Inf               | -Inf           | 77.90         | 3           | Vertical  | 350            | 1.14          | -       | 27.21      | 3.85       | -          |
| AV   | 2.4504G      | 99.15             | Inf               | -Inf           | 68.10         | 3           | Vertical  | 350            | 1.14          | -       | 27.20      | 3.85       | -          |
| PK   | 2.4896G      | 59.31             | 74.00             | -14.69         | 28.14         | 3           | Vertical  | 350            | 1.14          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4884G      | 47.37             | 54.00             | -6.63          | 16.20         | 3           | Vertical  | 350            | 1.14          | -       | 27.28      | 3.89       | -          |

# 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

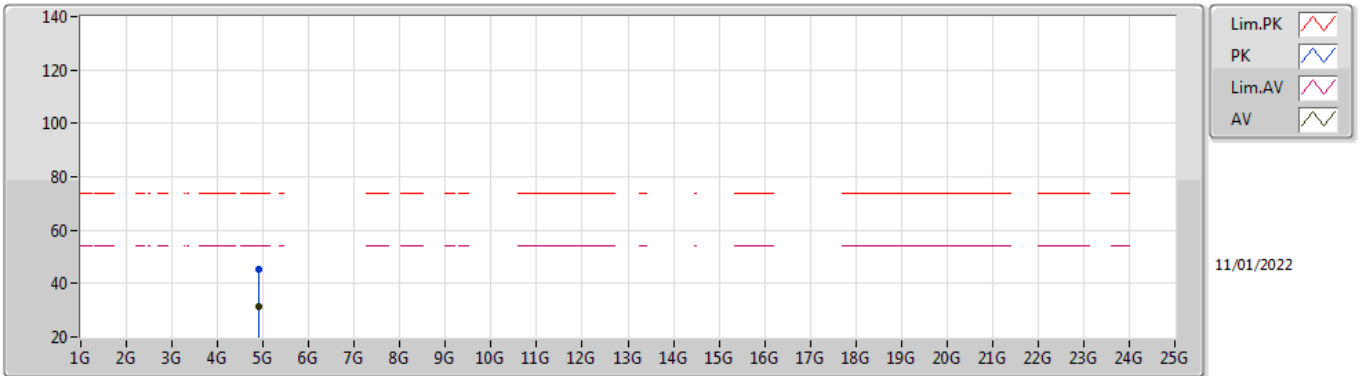


EUT\_X\_4TX  
Setting 18.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3868G      | 58.76             | 74.00             | -15.24         | 27.46         | 3           | Horizontal | 292            | 1.80          | -       | 27.51      | 3.79       | -          |
| AV   | 2.3864G      | 45.46             | 54.00             | -8.54          | 14.16         | 3           | Horizontal | 292            | 1.80          | -       | 27.51      | 3.79       | -          |
| PK   | 2.4528G      | 110.81            | Inf               | -Inf           | 79.75         | 3           | Horizontal | 292            | 1.80          | -       | 27.21      | 3.85       | -          |
| AV   | 2.4532G      | 101.92            | Inf               | -Inf           | 70.86         | 3           | Horizontal | 292            | 1.80          | -       | 27.21      | 3.85       | -          |
| PK   | 2.486G       | 64.43             | 74.00             | -9.57          | 33.27         | 3           | Horizontal | 292            | 1.80          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4852G      | 52.59             | 54.00             | -1.41          | 21.43         | 3           | Horizontal | 292            | 1.80          | -       | 27.27      | 3.89       | -          |

## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX



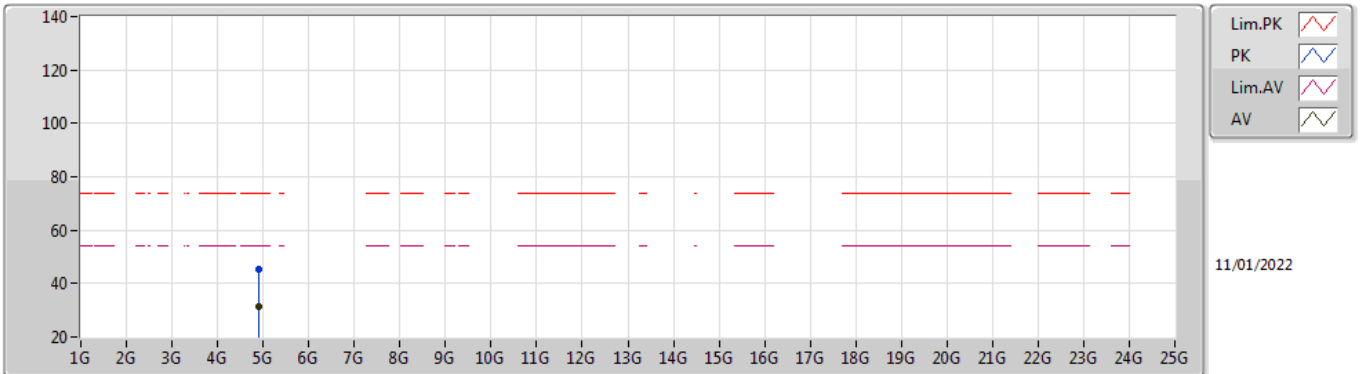
EUT Y\_4TX  
Setting 18.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.90204G     | 45.25             | 74.00             | -28.75         | 40.53         | 3           | Vertical  | 12             | 2.17          | -       | 31.11      | 5.60       | 31.99      |
| AV   | 4.90028G     | 31.44             | 54.00             | -22.56         | 26.73         | 3           | Vertical  | 12             | 2.17          | -       | 31.10      | 5.60       | 31.99      |



## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX



EUT Y\_4TX  
Setting 18.5  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.9072G      | 45.24             | 74.00             | -28.76         | 40.50         | 3           | Horizontal | 78             | 1.20          | -       | 31.13      | 5.60       | 31.99      |
| AV   | 4.8999G      | 31.40             | 54.00             | -22.60         | 26.69         | 3           | Horizontal | 78             | 1.20          | -       | 31.10      | 5.60       | 31.99      |

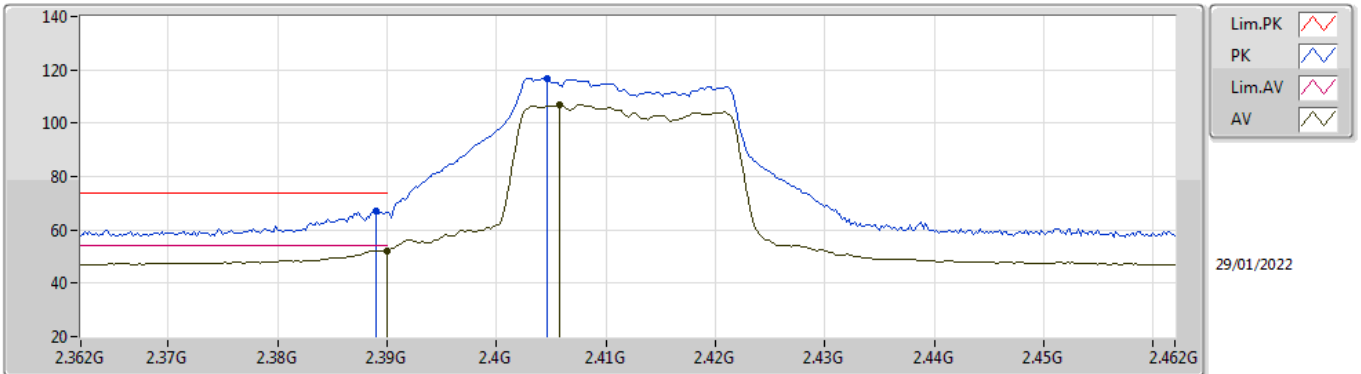


Summary

| Mode                              | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|-----------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|-----------|----------------|---------------|----------|
| 2.4-2.4835GHz                     | -      | -    | -            | -                 | -                 | -              | -           | -         | -              | -             | -        |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | Pass   | AV   | 2.3898G      | 52.99             | 54.00             | -1.01          | 3           | Vertical  | 348            | 3.00          | -        |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

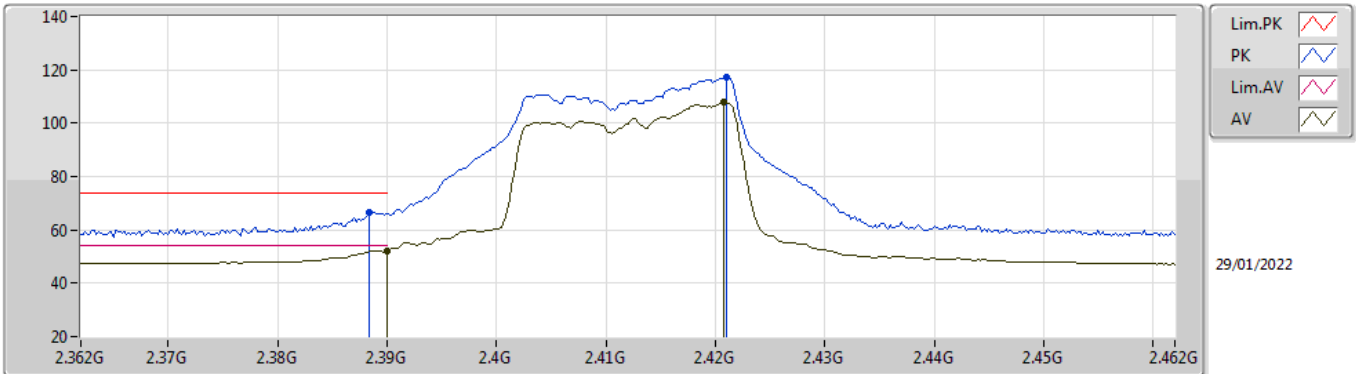


EUT\_X\_4TX  
Setting 53  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.389G       | 67.28             | 74.00             | -6.72          | 36.00         | 3           | Vertical  | 342            | 1.12          | -       | 27.49      | 3.79       | -          |
| AV   | 2.39G        | 52.21             | 54.00             | -1.79          | 20.94         | 3           | Vertical  | 342            | 1.12          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4046G      | 116.95            | Inf               | -Inf           | 85.77         | 3           | Vertical  | 342            | 1.12          | -       | 27.38      | 3.80       | -          |
| AV   | 2.4058G      | 106.89            | Inf               | -Inf           | 75.70         | 3           | Vertical  | 342            | 1.12          | -       | 27.38      | 3.81       | -          |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

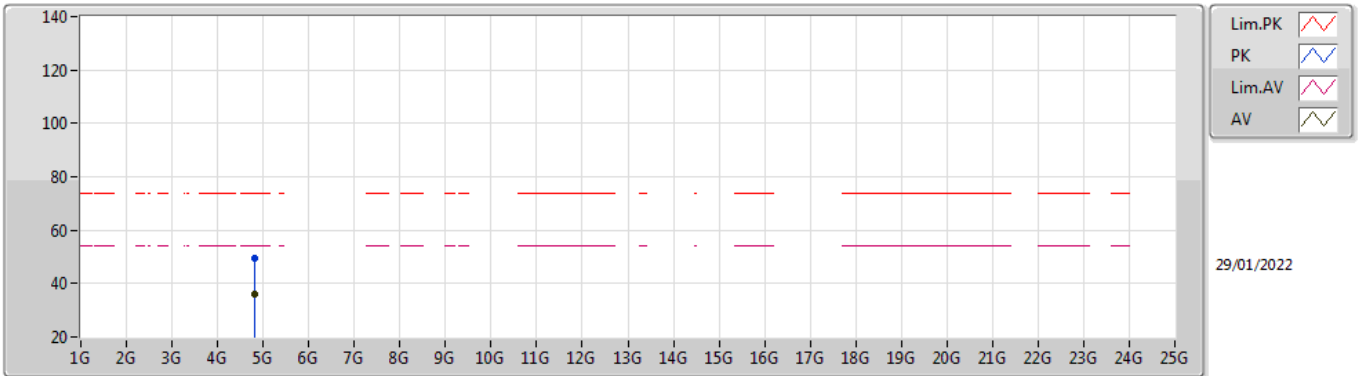


EUT\_X\_4TX  
Setting 53  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3884G      | 66.61             | 74.00             | -7.39          | 35.33         | 3           | Horizontal | 233            | 1.85          | -       | 27.49      | 3.79       | -          |
| AV   | 2.39G        | 52.05             | 54.00             | -1.95          | 20.78         | 3           | Horizontal | 233            | 1.85          | -       | 27.48      | 3.79       | -          |
| PK   | 2.421G       | 117.48            | Inf               | -Inf           | 86.34         | 3           | Horizontal | 233            | 1.85          | -       | 27.32      | 3.82       | -          |
| AV   | 2.4208G      | 107.95            | Inf               | -Inf           | 76.81         | 3           | Horizontal | 233            | 1.85          | -       | 27.32      | 3.82       | -          |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

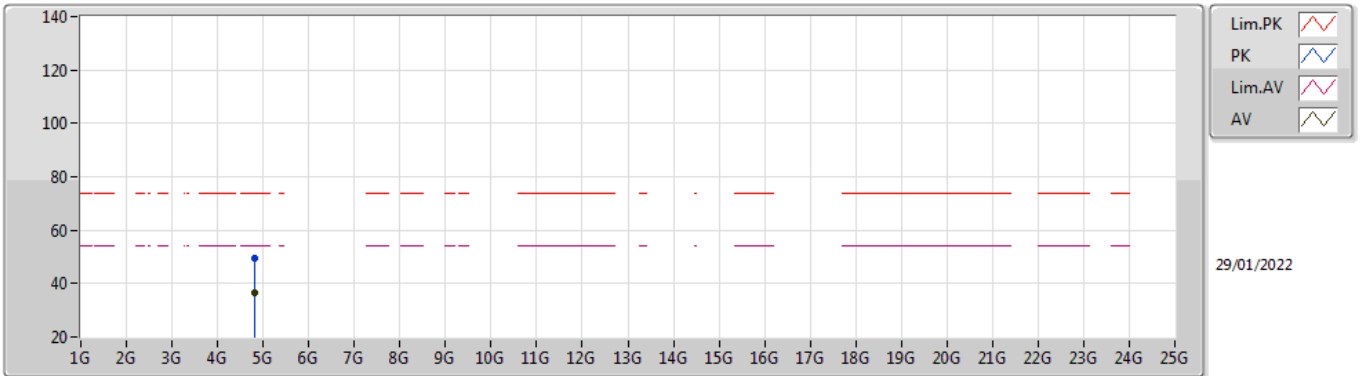


EUT Y\_4TX  
Setting 53  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.80942G     | 49.55             | 74.00             | -24.45         | 44.94         | 3           | Vertical  | 254            | 1.97          | -       | 31.08      | 5.60       | 32.07      |
| AV   | 4.82316G     | 36.23             | 54.00             | -17.77         | 31.64         | 3           | Vertical  | 254            | 1.97          | -       | 31.05      | 5.60       | 32.06      |

# 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## 2412MHz\_TX

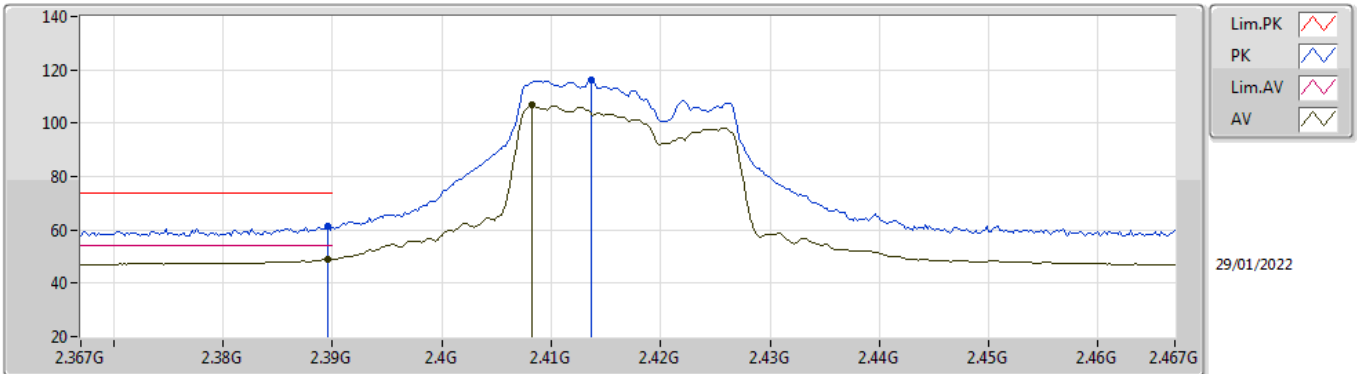


EUT Y\_4TX  
Setting 53  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.8243G      | 49.67             | 74.00             | -24.33         | 45.08         | 3           | Horizontal | 266            | 1.80          | -       | 31.05      | 5.60       | 32.06      |  |
| AV   | 4.82508G     | 36.57             | 54.00             | -17.43         | 31.98         | 3           | Horizontal | 266            | 1.80          | -       | 31.05      | 5.60       | 32.06      |  |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2417MHz\_TX

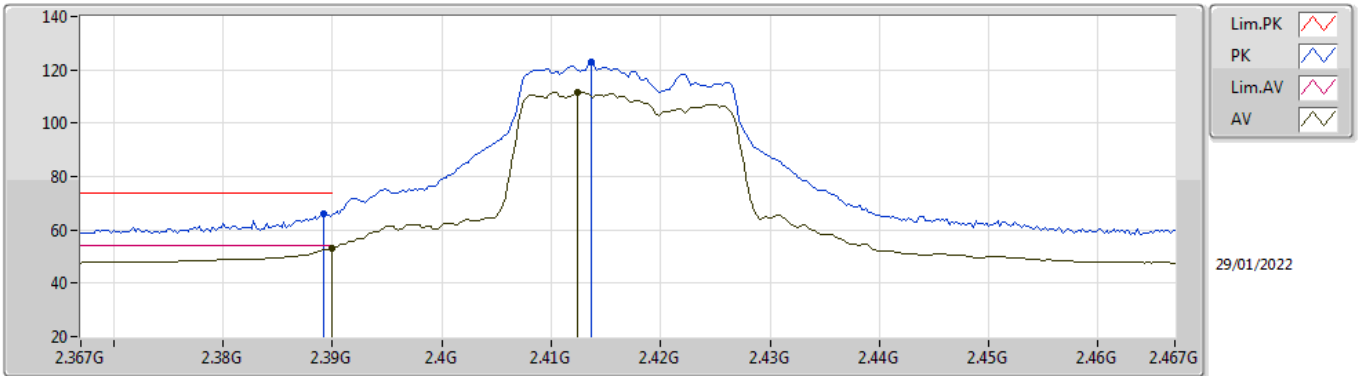


EUT\_X\_4TX  
Setting 56  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 2.3896G      | 61.38             | 74.00             | -12.62         | 30.11         | 3           | Vertical  | 354            | 1.00          | -       | 27.48      | 3.79       | -          |  |
| AV   | 2.3896G      | 48.92             | 54.00             | -5.08          | 17.65         | 3           | Vertical  | 354            | 1.00          | -       | 27.48      | 3.79       | -          |  |
| PK   | 2.4136G      | 116.19            | Inf               | -Inf           | 85.03         | 3           | Vertical  | 354            | 1.00          | -       | 27.35      | 3.81       | -          |  |
| AV   | 2.4082G      | 106.66            | Inf               | -Inf           | 75.48         | 3           | Vertical  | 354            | 1.00          | -       | 27.37      | 3.81       | -          |  |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2417MHz\_TX



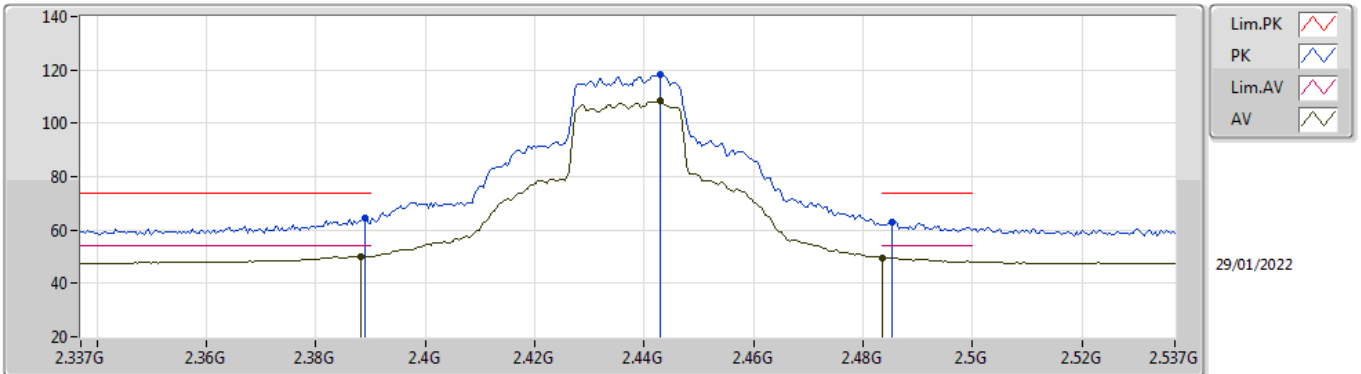
EUT\_X\_4TX  
Setting 56  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3892G      | 66.18             | 74.00             | -7.82          | 34.90         | 3           | Horizontal | 251            | 1.25          | -       | 27.49      | 3.79       | -          |
| AV   | 2.39G        | 52.94             | 54.00             | -1.06          | 21.67         | 3           | Horizontal | 251            | 1.25          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4136G      | 122.70            | Inf               | -Inf           | 91.54         | 3           | Horizontal | 251            | 1.25          | -       | 27.35      | 3.81       | -          |
| AV   | 2.4124G      | 111.81            | Inf               | -Inf           | 80.65         | 3           | Horizontal | 251            | 1.25          | -       | 27.35      | 3.81       | -          |



# 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

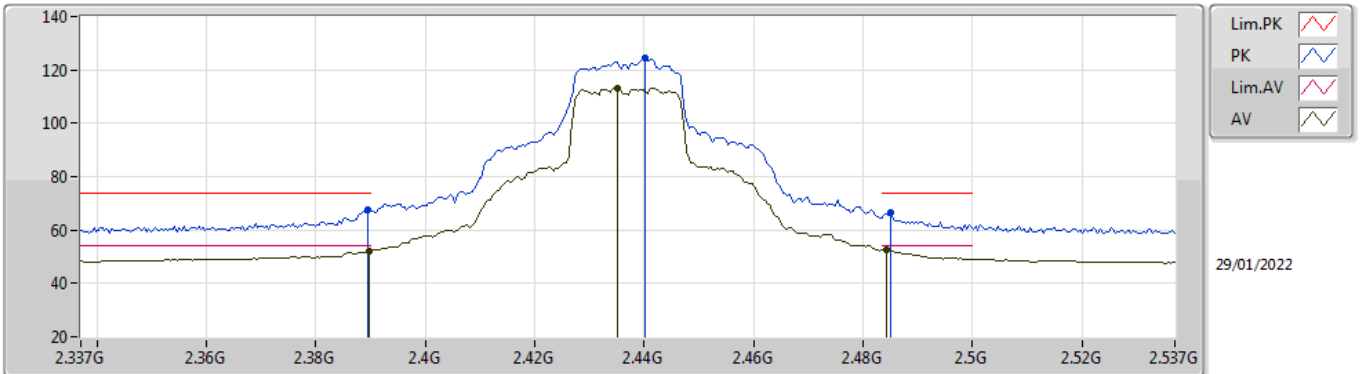


EUT\_X\_4TX  
Setting 73  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.389G       | 64.61             | 74.00             | -9.39          | 33.33         | 3           | Vertical  | 349            | 2.53          | -       | 27.49      | 3.79       | -          |
| AV   | 2.3882G      | 50.20             | 54.00             | -3.80          | 18.92         | 3           | Vertical  | 349            | 2.53          | -       | 27.49      | 3.79       | -          |
| PK   | 2.443G       | 118.47            | Inf               | -Inf           | 87.40         | 3           | Vertical  | 349            | 2.53          | -       | 27.23      | 3.84       | -          |
| AV   | 2.443G       | 108.33            | Inf               | -Inf           | 77.26         | 3           | Vertical  | 349            | 2.53          | -       | 27.23      | 3.84       | -          |
| PK   | 2.4854G      | 62.86             | 74.00             | -11.14         | 31.70         | 3           | Vertical  | 349            | 2.53          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4835G      | 49.56             | 54.00             | -4.44          | 18.41         | 3           | Vertical  | 349            | 2.53          | -       | 27.27      | 3.88       | -          |

# 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

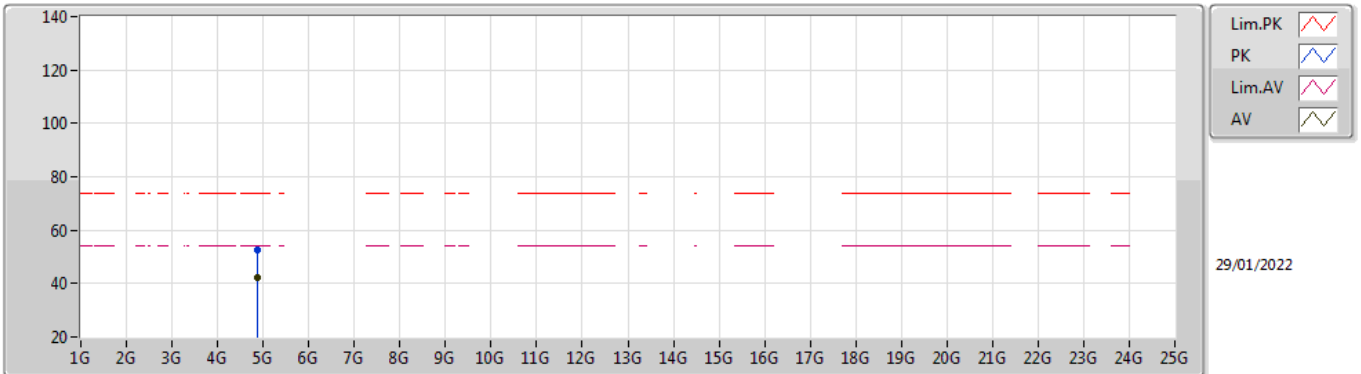


EUT\_X\_4TX  
Setting 73  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3894G      | 67.61             | 74.00             | -6.39          | 36.34         | 3           | Horizontal | 261            | 1.56          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3898G      | 52.15             | 54.00             | -1.85          | 20.88         | 3           | Horizontal | 261            | 1.56          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4402G      | 124.72            | Inf               | -Inf           | 93.64         | 3           | Horizontal | 261            | 1.56          | -       | 27.24      | 3.84       | -          |
| AV   | 2.435G       | 113.34            | Inf               | -Inf           | 82.25         | 3           | Horizontal | 261            | 1.56          | -       | 27.26      | 3.83       | -          |
| PK   | 2.485G       | 66.54             | 74.00             | -7.46          | 35.38         | 3           | Horizontal | 261            | 1.56          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4842G      | 52.54             | 54.00             | -1.46          | 21.39         | 3           | Horizontal | 261            | 1.56          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

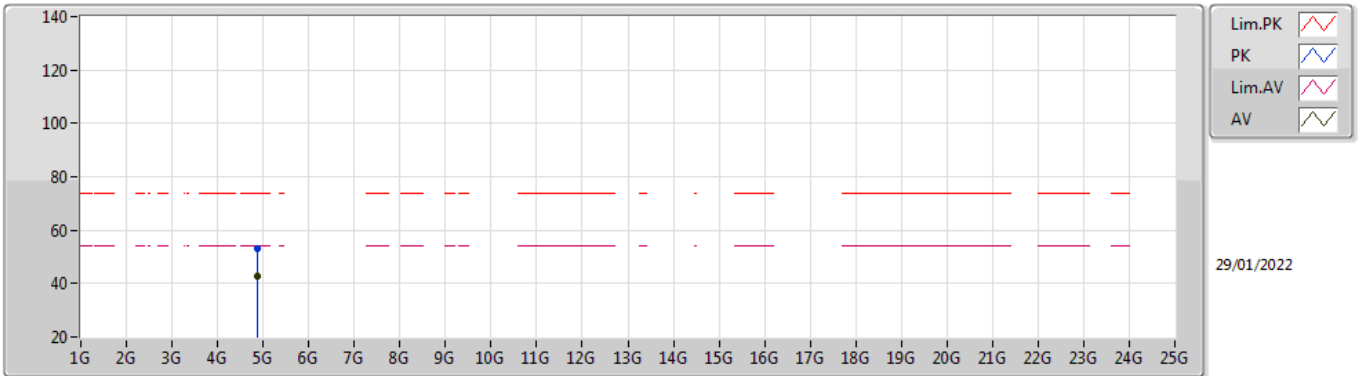


EUT Y\_4TX  
Setting 73  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.87142G     | 52.72             | 74.00             | -21.28         | 48.10         | 3           | Vertical  | 305            | 1.67          | -       | 31.04      | 5.60       | 32.02      |  |
| AV   | 4.8692G      | 42.24             | 54.00             | -11.76         | 37.62         | 3           | Vertical  | 305            | 1.67          | -       | 31.04      | 5.60       | 32.02      |  |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

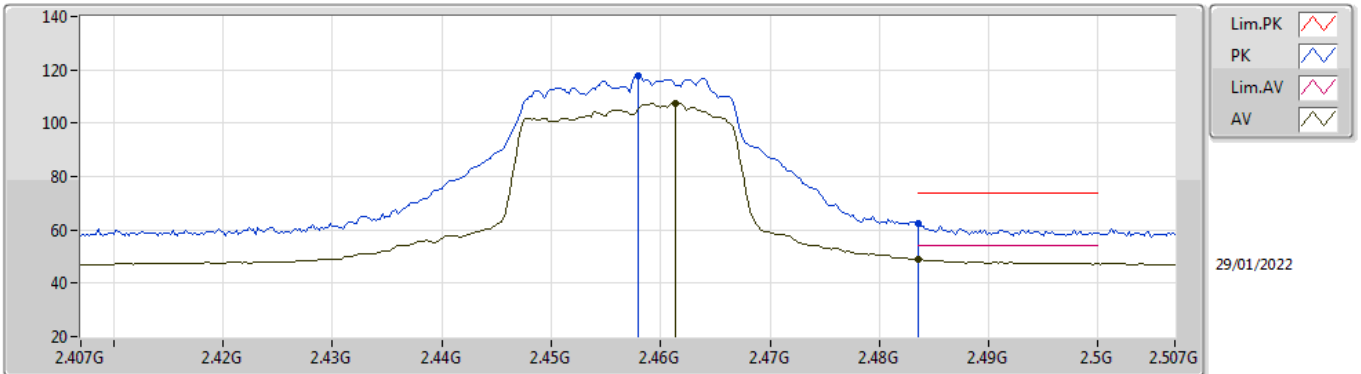


EUT Y\_4TX  
Setting 73  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.87688G     | 53.29             | 74.00             | -20.71         | 48.65         | 3           | Horizontal | 268            | 1.94          | -       | 31.05      | 5.60       | 32.01      |  |
| AV   | 4.8692G      | 42.73             | 54.00             | -11.27         | 38.11         | 3           | Horizontal | 268            | 1.94          | -       | 31.04      | 5.60       | 32.02      |  |

# 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## 2457MHz\_TX

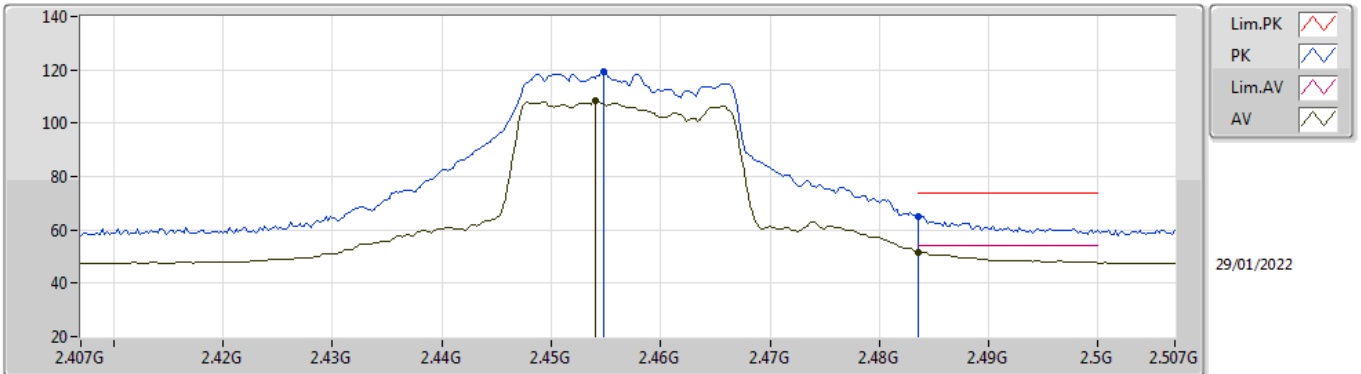


EUT\_X\_4TX  
Setting 57  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 2.458G       | 117.93            | Inf               | -Inf           | 86.85         | 3           | Vertical  | 203            | 2.47          | -       | 27.22      | 3.86       | -          |  |
| AV   | 2.4614G      | 107.63            | Inf               | -Inf           | 76.55         | 3           | Vertical  | 203            | 2.47          | -       | 27.22      | 3.86       | -          |  |
| PK   | 2.4836G      | 62.39             | 74.00             | -11.61         | 31.24         | 3           | Vertical  | 203            | 2.47          | -       | 27.27      | 3.88       | -          |  |
| AV   | 2.4835G      | 48.94             | 54.00             | -5.06          | 17.79         | 3           | Vertical  | 203            | 2.47          | -       | 27.27      | 3.88       | -          |  |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2457MHz\_TX

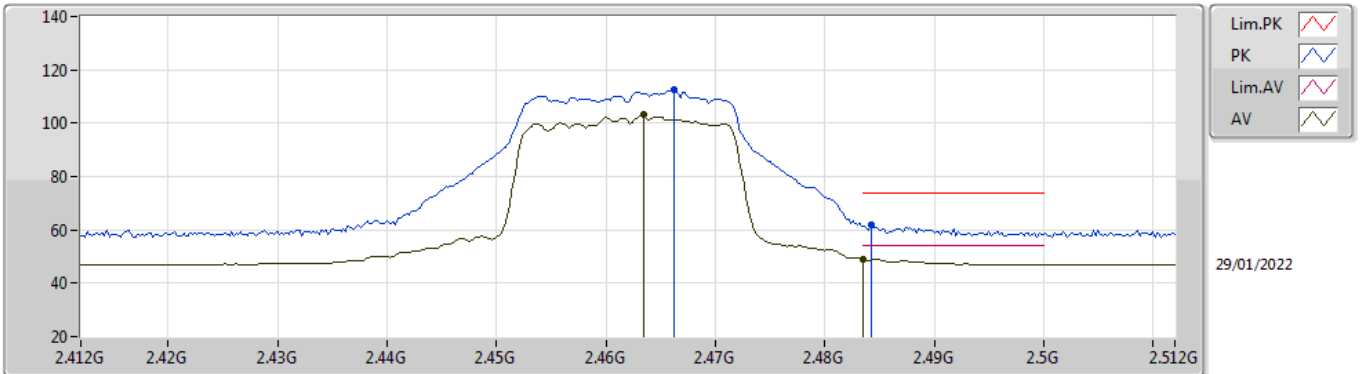


EUT\_X\_4TX  
Setting 57  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.4548G      | 119.10            | Inf               | -Inf           | 88.04         | 3           | Horizontal | 274            | 2.80          | -       | 27.21      | 3.85       | -          |
| AV   | 2.454G       | 108.25            | Inf               | -Inf           | 77.19         | 3           | Horizontal | 274            | 2.80          | -       | 27.21      | 3.85       | -          |
| PK   | 2.4835G      | 65.12             | 74.00             | -8.88          | 33.97         | 3           | Horizontal | 274            | 2.80          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 51.66             | 54.00             | -2.34          | 20.51         | 3           | Horizontal | 274            | 2.80          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

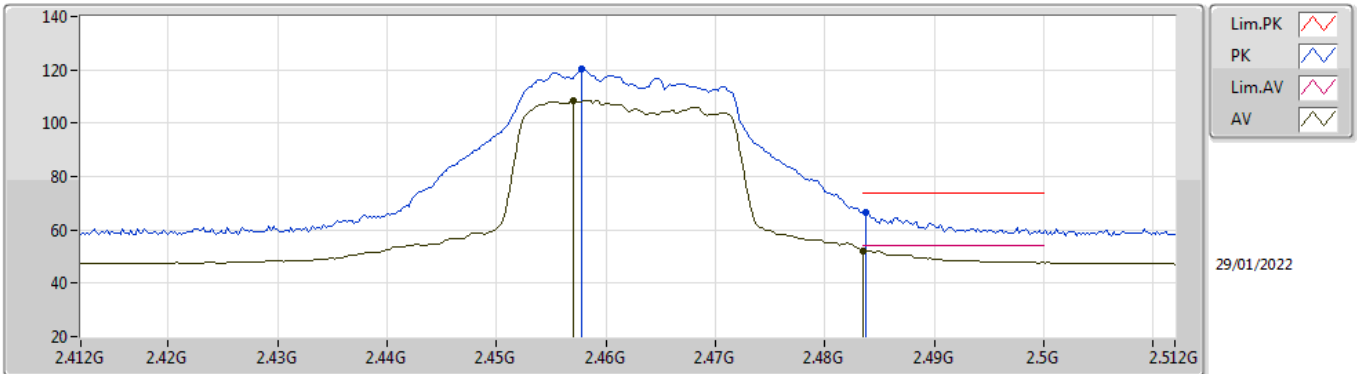


EUT\_X\_4TX  
Setting 52  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.4662G      | 112.48            | Inf               | -Inf           | 81.38         | 3           | Vertical  | 218            | 2.51          | -       | 27.23      | 3.87       | -          |
| AV   | 2.4634G      | 103.02            | Inf               | -Inf           | 71.93         | 3           | Vertical  | 218            | 2.51          | -       | 27.23      | 3.86       | -          |
| PK   | 2.4842G      | 62.10             | 74.00             | -11.90         | 30.95         | 3           | Vertical  | 218            | 2.51          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 48.92             | 54.00             | -5.08          | 17.77         | 3           | Vertical  | 218            | 2.51          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX



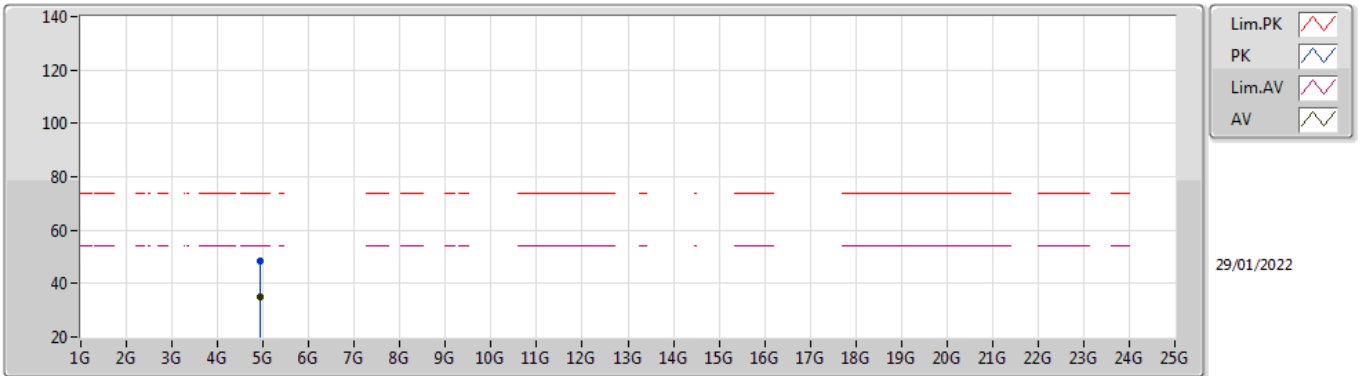
EUT X\_4TX  
Setting 52  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.4578G      | 120.25            | Inf               | -Inf           | 89.17         | 3           | Horizontal | 277            | 1.78          | -       | 27.22      | 3.86       | -          |
| AV   | 2.457G       | 108.67            | Inf               | -Inf           | 77.60         | 3           | Horizontal | 277            | 1.78          | -       | 27.21      | 3.86       | -          |
| PK   | 2.4838G      | 66.47             | 74.00             | -7.53          | 35.32         | 3           | Horizontal | 277            | 1.78          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 52.24             | 54.00             | -1.76          | 21.09         | 3           | Horizontal | 277            | 1.78          | -       | 27.27      | 3.88       | -          |



## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

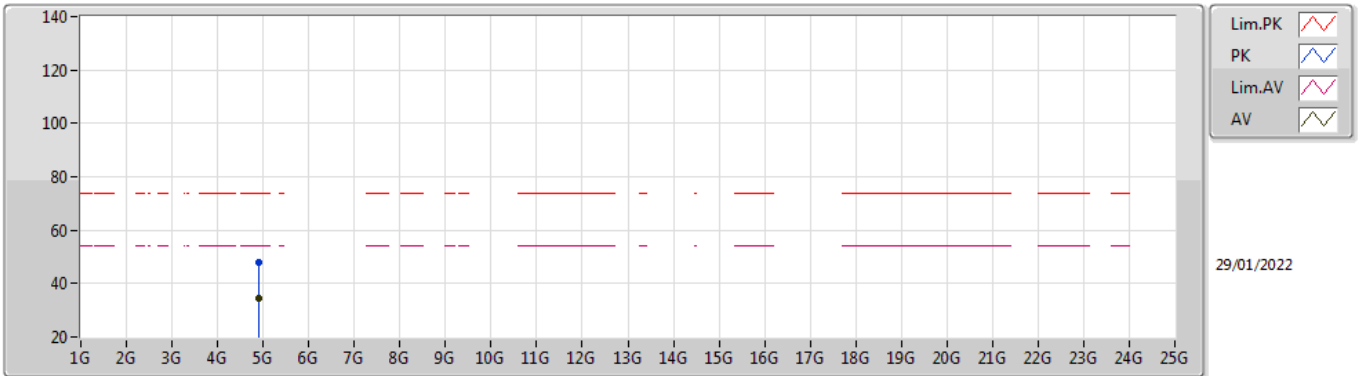


EUT Y\_4TX  
Setting 52  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.92556G     | 48.70             | 74.00             | -25.30         | 43.87         | 3           | Vertical  | 310            | 1.80          | -       | 31.20      | 5.60       | 31.97      |
| AV   | 4.92562G     | 35.22             | 54.00             | -18.78         | 30.39         | 3           | Vertical  | 310            | 1.80          | -       | 31.20      | 5.60       | 31.97      |

# 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

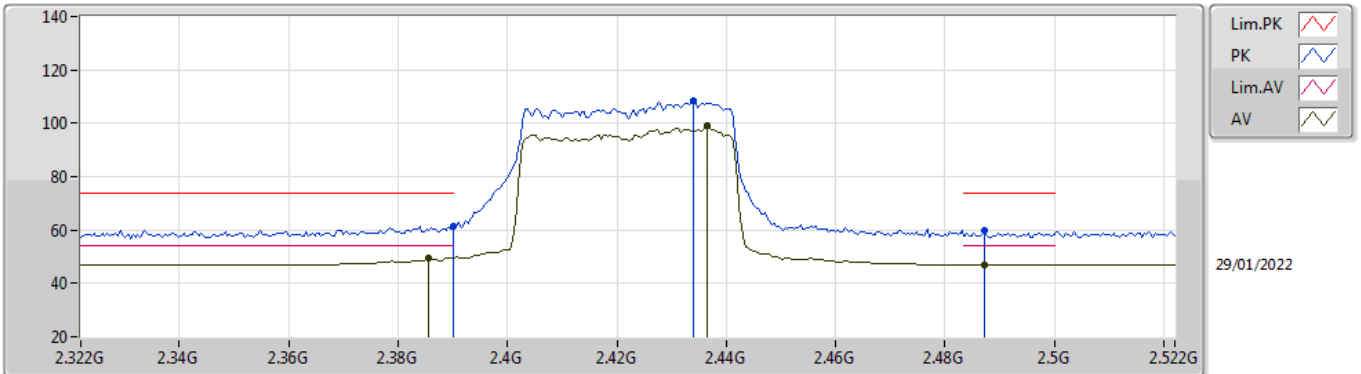


EUT Y\_4TX  
Setting 52  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.9135G      | 48.11             | 74.00             | -25.89         | 43.34         | 3           | Horizontal | 260            | 2.18          | -       | 31.15      | 5.60       | 31.98      |  |
| AV   | 4.9183G      | 34.70             | 54.00             | -19.30         | 29.91         | 3           | Horizontal | 260            | 2.18          | -       | 31.17      | 5.60       | 31.98      |  |

# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

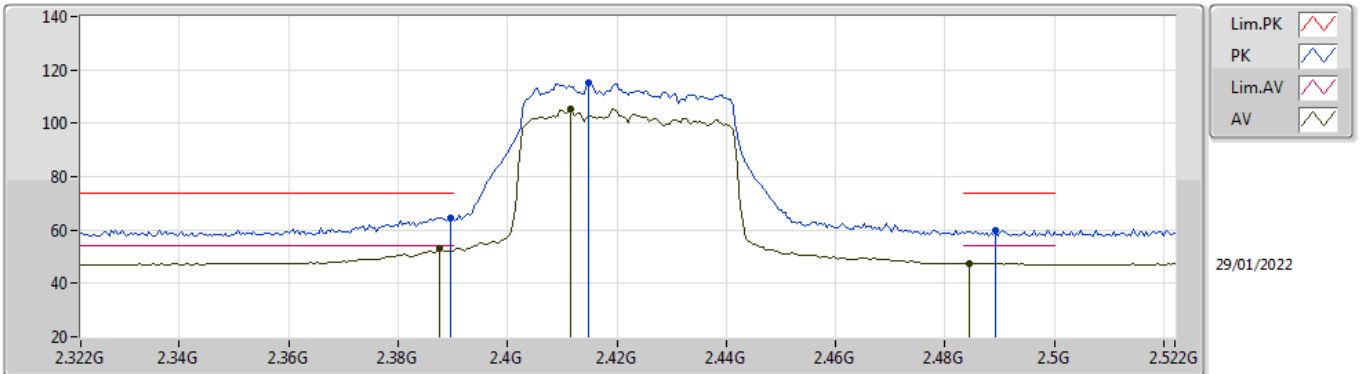


EUT\_X\_4TX  
Setting 48  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.39G        | 61.53             | 74.00             | -12.47         | 30.26         | 3           | Vertical  | 204            | 2.25          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3856G      | 49.45             | 54.00             | -4.55          | 18.14         | 3           | Vertical  | 204            | 2.25          | -       | 27.52      | 3.79       | -          |
| PK   | 2.434G       | 108.27            | Inf               | -Inf           | 77.18         | 3           | Vertical  | 204            | 2.25          | -       | 27.26      | 3.83       | -          |
| AV   | 2.4364G      | 99.31             | Inf               | -Inf           | 68.22         | 3           | Vertical  | 204            | 2.25          | -       | 27.25      | 3.84       | -          |
| PK   | 2.4872G      | 59.95             | 74.00             | -14.05         | 28.79         | 3           | Vertical  | 204            | 2.25          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4872G      | 46.87             | 54.00             | -7.13          | 15.71         | 3           | Vertical  | 204            | 2.25          | -       | 27.27      | 3.89       | -          |

# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

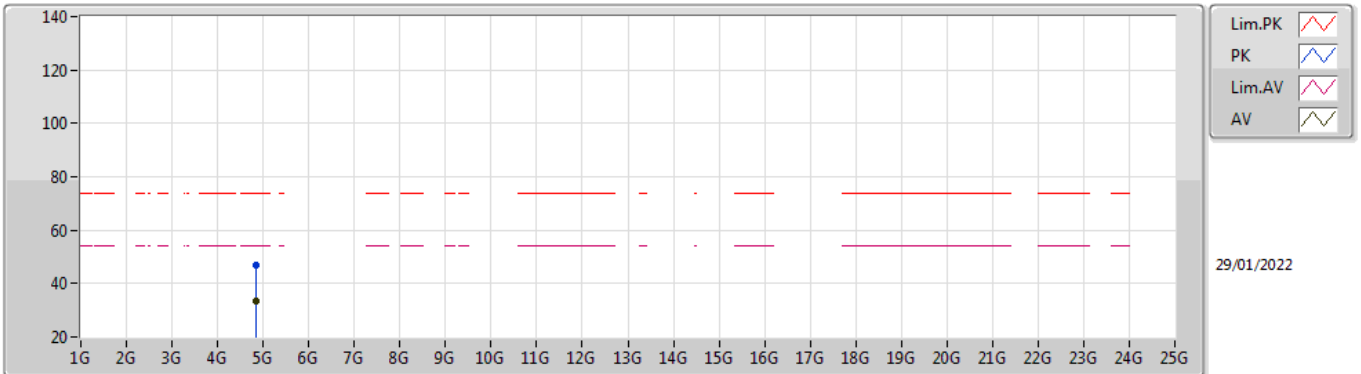


EUT\_X\_4TX  
Setting 48  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3896G      | 64.70             | 74.00             | -9.30          | 33.43         | 3           | Horizontal | 247            | 1.13          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3876G      | 52.96             | 54.00             | -1.04          | 21.67         | 3           | Horizontal | 247            | 1.13          | -       | 27.50      | 3.79       | -          |
| PK   | 2.4148G      | 115.39            | Inf               | -Inf           | 84.24         | 3           | Horizontal | 247            | 1.13          | -       | 27.34      | 3.81       | -          |
| AV   | 2.4116G      | 105.24            | Inf               | -Inf           | 74.08         | 3           | Horizontal | 247            | 1.13          | -       | 27.35      | 3.81       | -          |
| PK   | 2.4892G      | 59.91             | 74.00             | -14.09         | 28.74         | 3           | Horizontal | 247            | 1.13          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4844G      | 47.46             | 54.00             | -6.54          | 16.31         | 3           | Horizontal | 247            | 1.13          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

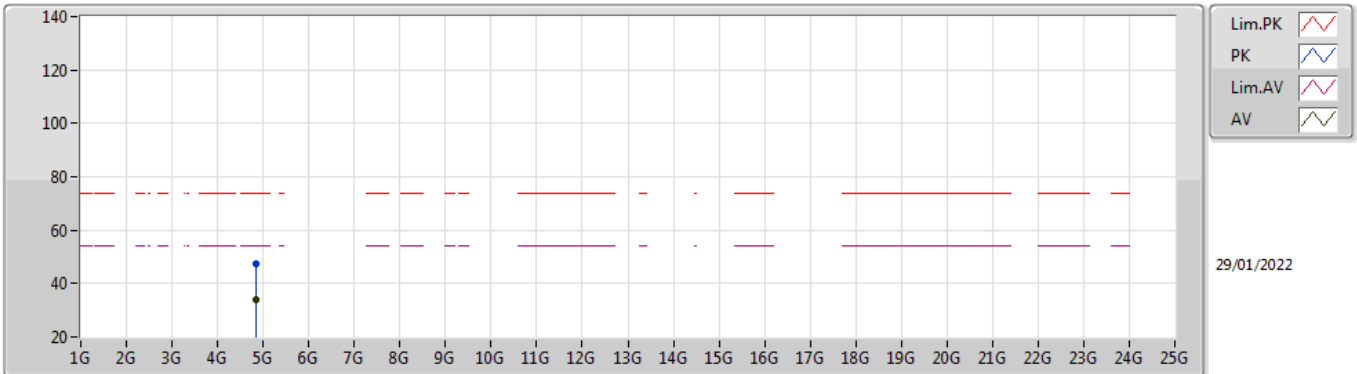


EUT Y\_4TX  
Setting 48  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.83878G     | 46.91             | 74.00             | -27.09         | 42.34         | 3           | Vertical  | 262            | 1.87          | -       | 31.02      | 5.60       | 32.05      |
| AV   | 4.84136G     | 33.44             | 54.00             | -20.56         | 28.86         | 3           | Vertical  | 262            | 1.87          | -       | 31.02      | 5.60       | 32.04      |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

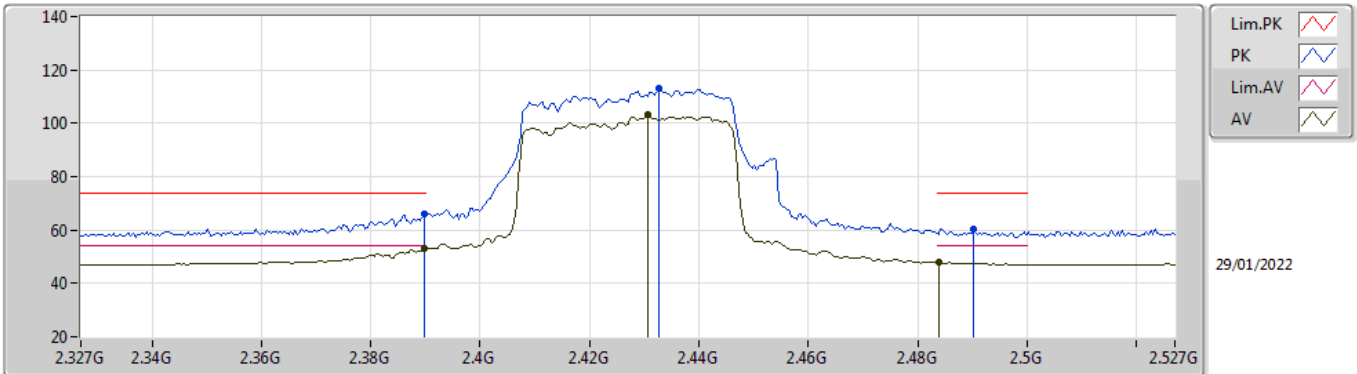


EUT Y\_4TX  
Setting 48  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.83632G     | 47.35             | 74.00             | -26.65         | 42.77         | 3           | Horizontal | 269            | 1.97          | -       | 31.03      | 5.60       | 32.05      |  |
| AV   | 4.84382G     | 33.84             | 54.00             | -20.16         | 29.27         | 3           | Horizontal | 269            | 1.97          | -       | 31.01      | 5.60       | 32.04      |  |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2427MHz\_TX

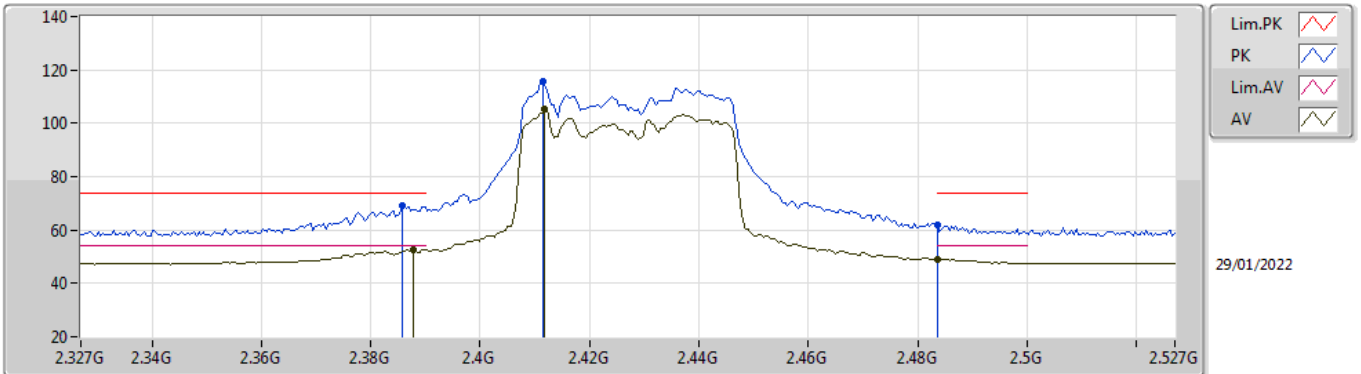


EUT X\_4TX  
Setting 51  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3898G      | 65.94             | 74.00             | -8.06          | 34.67         | 3           | Vertical  | 348            | 3.00          | -       | 27.48      | 3.79       | -          |
| AV   | 2.3898G      | 52.99             | 54.00             | -1.01          | 21.72         | 3           | Vertical  | 348            | 3.00          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4326G      | 112.93            | Inf               | -Inf           | 81.83         | 3           | Vertical  | 348            | 3.00          | -       | 27.27      | 3.83       | -          |
| AV   | 2.4306G      | 103.43            | Inf               | -Inf           | 72.32         | 3           | Vertical  | 348            | 3.00          | -       | 27.28      | 3.83       | -          |
| PK   | 2.4902G      | 60.42             | 74.00             | -13.58         | 29.25         | 3           | Vertical  | 348            | 3.00          | -       | 27.28      | 3.89       | -          |
| AV   | 2.4838G      | 47.87             | 54.00             | -6.13          | 16.72         | 3           | Vertical  | 348            | 3.00          | -       | 27.27      | 3.88       | -          |

# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2427MHz\_TX



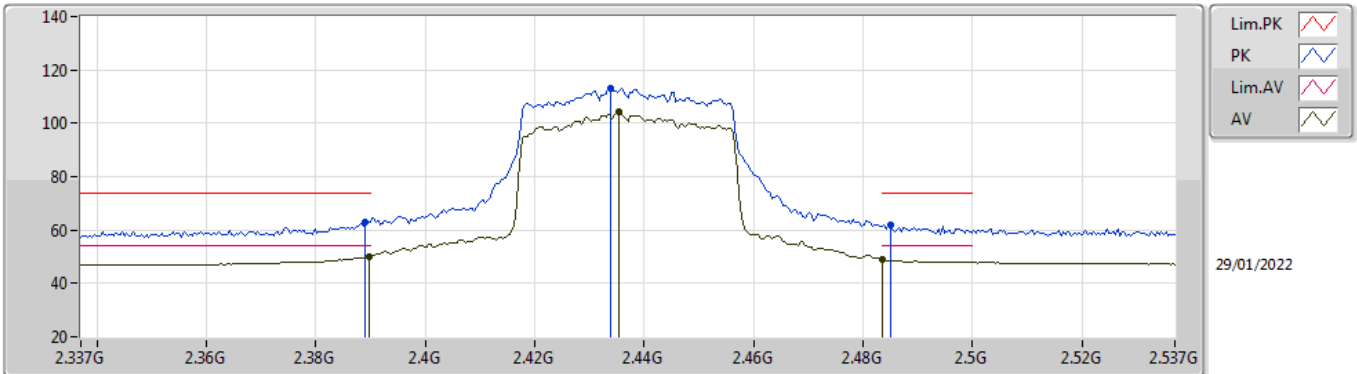
EUT X\_4TX  
Setting 51  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3858G      | 69.31             | 74.00             | -4.69          | 38.01         | 3           | Horizontal | 263            | 1.80          | -       | 27.51      | 3.79       | -          |
| AV   | 2.3878G      | 52.70             | 54.00             | -1.30          | 21.41         | 3           | Horizontal | 263            | 1.80          | -       | 27.50      | 3.79       | -          |
| PK   | 2.4114G      | 115.60            | Inf               | -Inf           | 84.44         | 3           | Horizontal | 263            | 1.80          | -       | 27.35      | 3.81       | -          |
| AV   | 2.4118G      | 105.60            | Inf               | -Inf           | 74.44         | 3           | Horizontal | 263            | 1.80          | -       | 27.35      | 3.81       | -          |
| PK   | 2.4835G      | 61.75             | 74.00             | -12.25         | 30.60         | 3           | Horizontal | 263            | 1.80          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 49.17             | 54.00             | -4.83          | 18.02         | 3           | Horizontal | 263            | 1.80          | -       | 27.27      | 3.88       | -          |



# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

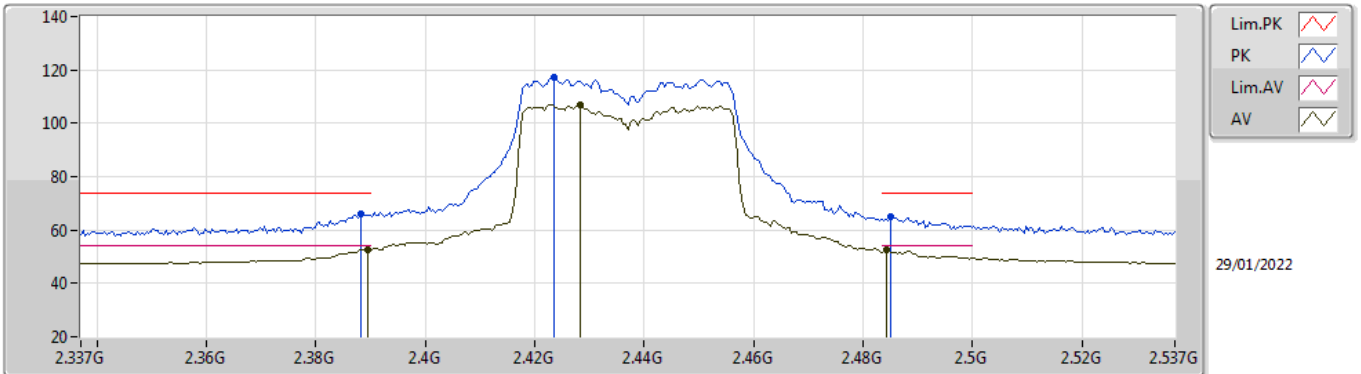


EUT X\_4TX  
Setting 57  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 2.389G       | 63.05             | 74.00             | -10.95         | 31.77         | 3           | Vertical  | 2              | 1.32          | -       | 27.49      | 3.79       | -          |  |
| AV   | 2.3898G      | 50.16             | 54.00             | -3.84          | 18.89         | 3           | Vertical  | 2              | 1.32          | -       | 27.48      | 3.79       | -          |  |
| PK   | 2.4338G      | 113.22            | Inf               | -Inf           | 82.13         | 3           | Vertical  | 2              | 1.32          | -       | 27.26      | 3.83       | -          |  |
| AV   | 2.4354G      | 104.28            | Inf               | -Inf           | 73.18         | 3           | Vertical  | 2              | 1.32          | -       | 27.26      | 3.84       | -          |  |
| PK   | 2.485G       | 62.06             | 74.00             | -11.94         | 30.90         | 3           | Vertical  | 2              | 1.32          | -       | 27.27      | 3.89       | -          |  |
| AV   | 2.4835G      | 48.99             | 54.00             | -5.01          | 17.84         | 3           | Vertical  | 2              | 1.32          | -       | 27.27      | 3.88       | -          |  |

# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX



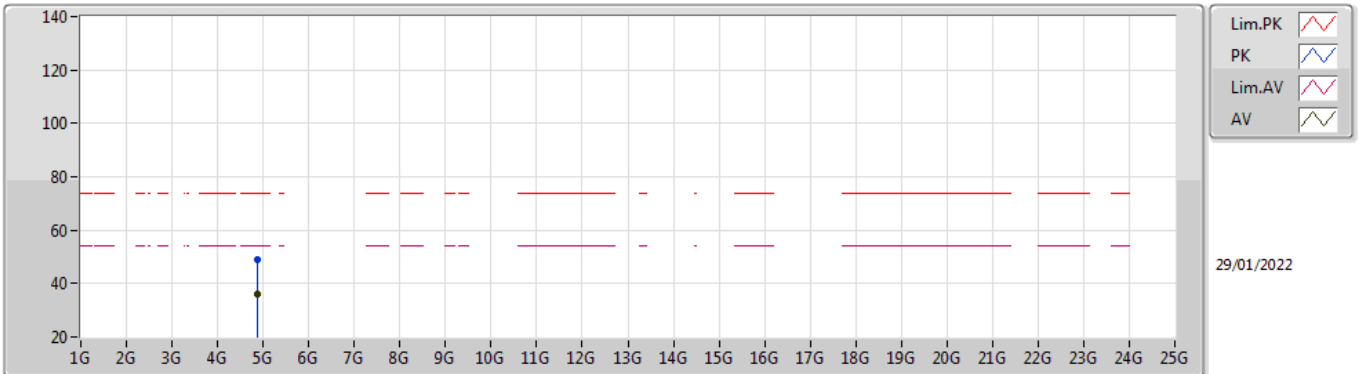
29/01/2022

EUT\_X\_4TX  
Setting 57  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3882G      | 65.84             | 74.00             | -8.16          | 34.56         | 3           | Horizontal | 283            | 1.55          | -       | 27.49      | 3.79       | -          |
| AV   | 2.3894G      | 52.80             | 54.00             | -1.20          | 21.53         | 3           | Horizontal | 283            | 1.55          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4234G      | 117.29            | Inf               | -Inf           | 86.16         | 3           | Horizontal | 283            | 1.55          | -       | 27.31      | 3.82       | -          |
| AV   | 2.4282G      | 107.15            | Inf               | -Inf           | 76.03         | 3           | Horizontal | 283            | 1.55          | -       | 27.29      | 3.83       | -          |
| PK   | 2.485G       | 65.09             | 74.00             | -8.91          | 33.93         | 3           | Horizontal | 283            | 1.55          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4842G      | 52.53             | 54.00             | -1.47          | 21.38         | 3           | Horizontal | 283            | 1.55          | -       | 27.27      | 3.88       | -          |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

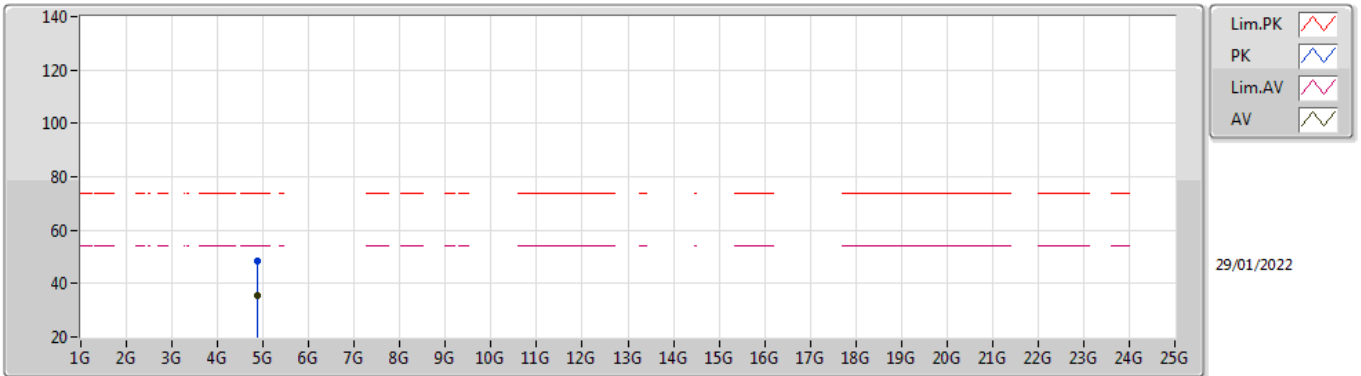


EUT Y\_4TX  
Setting 57  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.87784G     | 48.88             | 74.00             | -25.12         | 44.23         | 3           | Vertical  | 305            | 1.77          | -       | 31.06      | 5.60       | 32.01      |
| AV   | 4.87796G     | 35.85             | 54.00             | -18.15         | 31.20         | 3           | Vertical  | 305            | 1.77          | -       | 31.06      | 5.60       | 32.01      |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

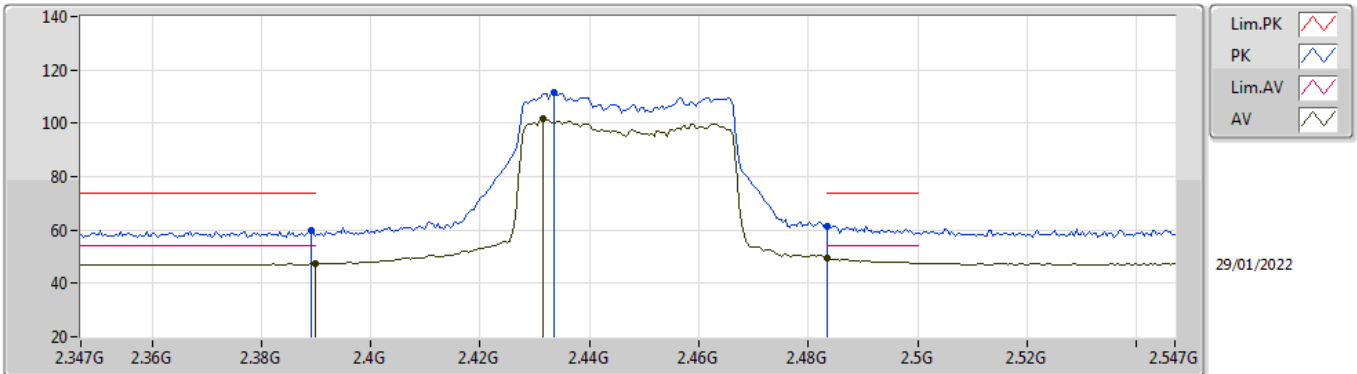


EUT Y\_4TX  
Setting 57  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 4.87532G     | 48.43             | 74.00             | -25.57         | 43.79         | 3           | Horizontal | 262            | 2.07          | -       | 31.05      | 5.60       | 32.01      |  |
| AV   | 4.87784G     | 35.72             | 54.00             | -18.28         | 31.07         | 3           | Horizontal | 262            | 2.07          | -       | 31.06      | 5.60       | 32.01      |  |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2447MHz\_TX

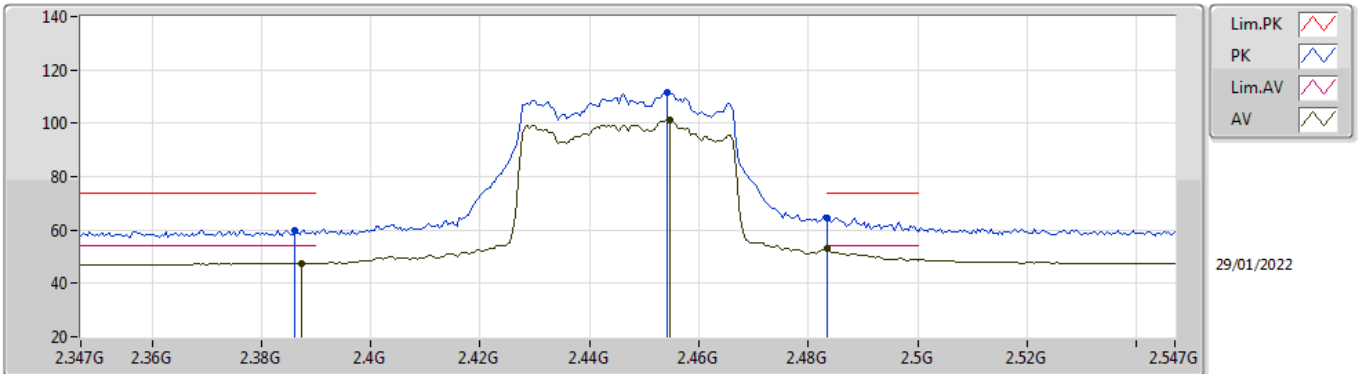


EUT X\_4TX  
Setting 51  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.389G       | 59.99             | 74.00             | -14.01         | 28.71         | 3           | Vertical  | 357            | 1.51          | -       | 27.49      | 3.79       | -          |
| AV   | 2.3898G      | 47.23             | 54.00             | -6.77          | 15.96         | 3           | Vertical  | 357            | 1.51          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4334G      | 111.74            | Inf               | -Inf           | 80.64         | 3           | Vertical  | 357            | 1.51          | -       | 27.27      | 3.83       | -          |
| AV   | 2.4314G      | 101.76            | Inf               | -Inf           | 70.66         | 3           | Vertical  | 357            | 1.51          | -       | 27.27      | 3.83       | -          |
| PK   | 2.4835G      | 61.56             | 74.00             | -12.44         | 30.41         | 3           | Vertical  | 357            | 1.51          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 49.58             | 54.00             | -4.42          | 18.43         | 3           | Vertical  | 357            | 1.51          | -       | 27.27      | 3.88       | -          |

# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2447MHz\_TX

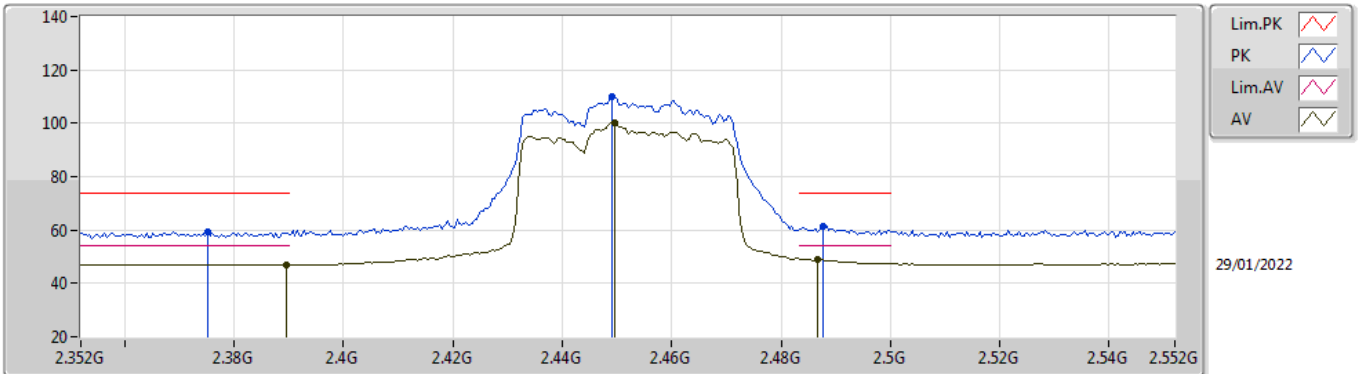


EUT X\_4TX  
Setting 51  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.3862G      | 60.08             | 74.00             | -13.92         | 28.78         | 3           | Horizontal | 291            | 1.77          | -       | 27.51      | 3.79       | -          |
| AV   | 2.3874G      | 47.64             | 54.00             | -6.36          | 16.35         | 3           | Horizontal | 291            | 1.77          | -       | 27.50      | 3.79       | -          |
| PK   | 2.4542G      | 111.34            | Inf               | -Inf           | 80.28         | 3           | Horizontal | 291            | 1.77          | -       | 27.21      | 3.85       | -          |
| AV   | 2.4546G      | 101.46            | Inf               | -Inf           | 70.40         | 3           | Horizontal | 291            | 1.77          | -       | 27.21      | 3.85       | -          |
| PK   | 2.4835G      | 64.69             | 74.00             | -9.31          | 33.54         | 3           | Horizontal | 291            | 1.77          | -       | 27.27      | 3.88       | -          |
| AV   | 2.4835G      | 52.92             | 54.00             | -1.08          | 21.77         | 3           | Horizontal | 291            | 1.77          | -       | 27.27      | 3.88       | -          |

# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

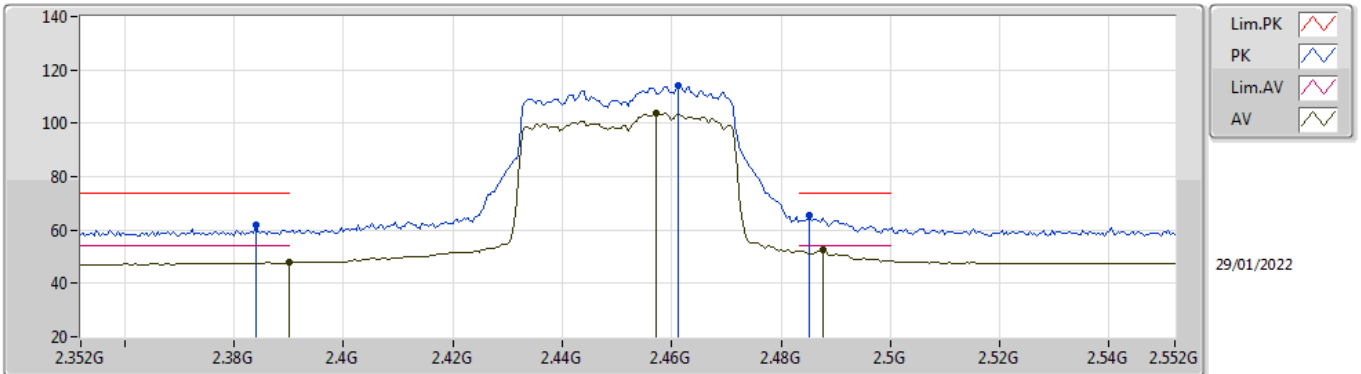


EUT\_X\_4TX  
Setting 50  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 2.3752G      | 59.19             | 74.00             | -14.81         | 27.80         | 3           | Vertical  | 197            | 2.90          | -       | 27.60      | 3.79       | -          |  |
| AV   | 2.3896G      | 47.01             | 54.00             | -6.99          | 15.74         | 3           | Vertical  | 197            | 2.90          | -       | 27.48      | 3.79       | -          |  |
| PK   | 2.4492G      | 110.18            | Inf               | -Inf           | 79.13         | 3           | Vertical  | 197            | 2.90          | -       | 27.20      | 3.85       | -          |  |
| AV   | 2.4496G      | 100.23            | Inf               | -Inf           | 69.18         | 3           | Vertical  | 197            | 2.90          | -       | 27.20      | 3.85       | -          |  |
| PK   | 2.4876G      | 61.26             | 74.00             | -12.74         | 30.09         | 3           | Vertical  | 197            | 2.90          | -       | 27.28      | 3.89       | -          |  |
| AV   | 2.4868G      | 49.22             | 54.00             | -4.78          | 18.06         | 3           | Vertical  | 197            | 2.90          | -       | 27.27      | 3.89       | -          |  |

# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX



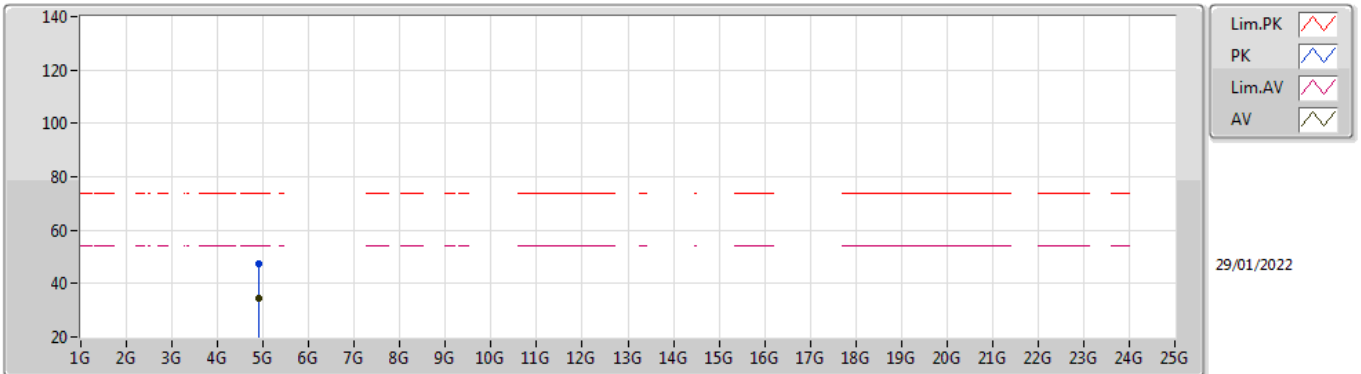
EUT X\_4TX  
Setting 50  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 2.384G       | 61.67             | 74.00             | -12.33         | 30.35         | 3           | Horizontal | 245            | 1.17          | -       | 27.53      | 3.79       | -          |
| AV   | 2.39G        | 47.79             | 54.00             | -6.21          | 16.52         | 3           | Horizontal | 245            | 1.17          | -       | 27.48      | 3.79       | -          |
| PK   | 2.4612G      | 114.34            | Inf               | -Inf           | 83.26         | 3           | Horizontal | 245            | 1.17          | -       | 27.22      | 3.86       | -          |
| AV   | 2.4572G      | 103.60            | Inf               | -Inf           | 72.53         | 3           | Horizontal | 245            | 1.17          | -       | 27.21      | 3.86       | -          |
| PK   | 2.4852G      | 65.57             | 74.00             | -8.43          | 34.41         | 3           | Horizontal | 245            | 1.17          | -       | 27.27      | 3.89       | -          |
| AV   | 2.4876G      | 52.38             | 54.00             | -1.62          | 21.21         | 3           | Horizontal | 245            | 1.17          | -       | 27.28      | 3.89       | -          |



## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX

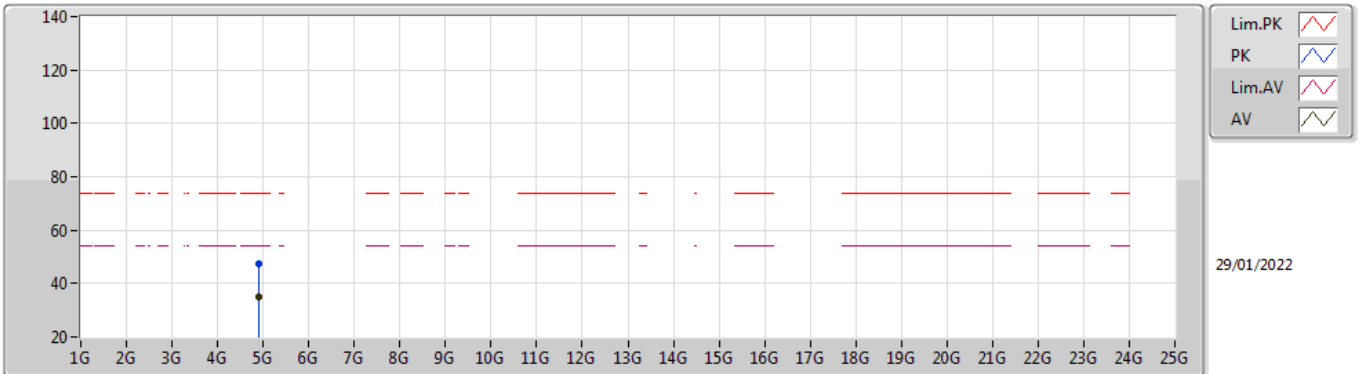


EUT Y\_4TX  
Setting 50  
03-B-E-2

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.91666G     | 47.33             | 74.00             | -26.67         | 42.54         | 3           | Vertical  | 304            | 1.80          | -       | 31.17      | 5.60       | 31.98      |
| AV   | 4.91354G     | 34.42             | 54.00             | -19.58         | 29.65         | 3           | Vertical  | 304            | 1.80          | -       | 31.15      | 5.60       | 31.98      |

## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX



EUT Y\_4TX  
Setting 50  
03-B-E-2

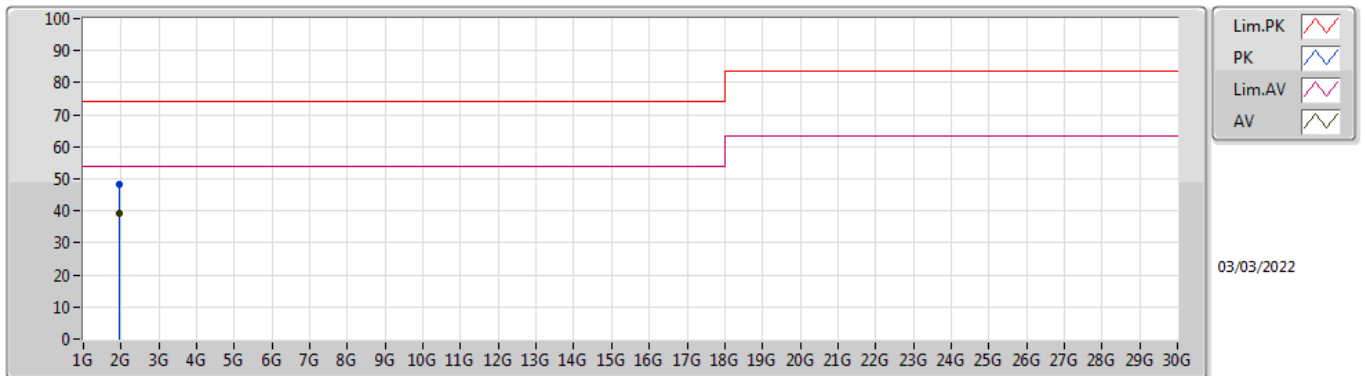
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 4.91324G     | 47.52             | 74.00             | -26.48         | 42.75         | 3           | Horizontal | 267            | 1.92          | -       | 31.15      | 5.60       | 31.98      |
| AV   | 4.91348G     | 34.91             | 54.00             | -19.09         | 30.14         | 3           | Horizontal | 267            | 1.92          | -       | 31.15      | 5.60       | 31.98      |



**Summary**

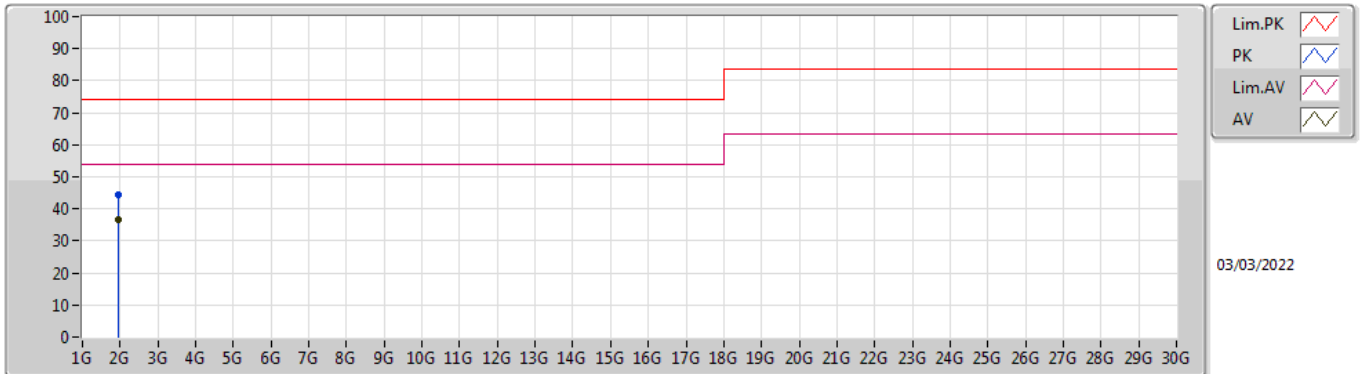
| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-------------------|-------------------|----------------|-----------|
| Mode 1 | Pass   | AV   | 1.954G       | 39.43             | 54.00             | -14.57         | Vertical  |

## Mode 1



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB/m) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV/m) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|-----------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| PK   | 1.9416G      | 48.25             | 74.00             | -25.75         | -1.57            | 3           | Vertical  | 0              | 0.00          | -       | 49.82           | 27.67        | 4.17       | 33.41      |
| AV   | 1.954G       | 39.43             | 54.00             | -14.57         | -1.36            | 3           | Vertical  | 0              | 0.00          | "Worst" | 40.79           | 27.86        | 4.18       | 33.40      |

## Mode 1



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB/m) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV/m) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|------------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| PK   | 1.9538G      | 44.43             | 74.00             | -29.57         | -1.36            | 3           | Horizontal | 0              | 0.00          | -       | 45.79           | 27.86        | 4.18       | 33.40      |
| AV   | 1.9486G      | 36.69             | 54.00             | -17.31         | -1.45            | 3           | Horizontal | 0              | 0.00          | "Worst" | 38.14           | 27.78        | 4.17       | 33.40      |