



# RADIO TEST REPORT

**FCC ID** : LDK-9160S2578

**Equipment** : Catalyst Wireless 9166I Wi-Fi 6E Series Access Point ,  
Catalyst Wireless 9164I Wi-Fi 6E Series Access Point

**Brand Name** : CISCO

**Model Name** : CW9166I-B, CW9164I-B, CW9166I-MR, CW9164I-MR

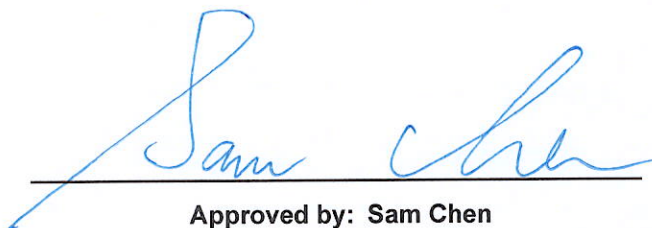
**Applicant** : Cisco Systems Inc  
125 West Tasman Drive San Jose California United  
States 95134-1706

**Manufacturer** : Cisco Systems Inc  
125 West Tasman Drive San Jose California United  
States 95134-1706

**Standard** : 47 CFR FCC Part 15.247

The product was received on Dec. 28, 2021, and testing was started from Jan. 22, 2022 and completed on May 13, 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**

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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 42  
Issued Date : Jul. 13, 2022  
Report Version : 02



## 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:**

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. 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: Vicky Huang**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11                     | Ch. Frequency (MHz) | Channel Number |
|-----------------------|--------------------------------------|---------------------|----------------|
| 2400-2483.5           | b, g, n (HT20), VHT20,<br>ax (HEW20) | 2412-2462           | 1-11 [11]      |

#### <Radio 1>

| Band          | Mode              | BWch (MHz) | Nant    |
|---------------|-------------------|------------|---------|
| 2.4-2.4835GHz | 802.11b           | 20         | 1, 2, 4 |
| 2.4-2.4835GHz | 802.11g           | 20         | 1, 2, 4 |
| 2.4-2.4835GHz | 802.11n HT20      | 20         | 1, 2, 4 |
| 2.4-2.4835GHz | 802.11n HT20-BF   | 20         | 2, 4    |
| 2.4-2.4835GHz | VHT20             | 20         | 1, 2, 4 |
| 2.4-2.4835GHz | VHT20-BF          | 20         | 2, 4    |
| 2.4-2.4835GHz | 802.11ax HEW20    | 20         | 1, 2, 4 |
| 2.4-2.4835GHz | 802.11ax HEW20-BF | 20         | 2, 4    |

#### <Radio 3>

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 2.4-2.4835GHz | 802.11b        | 20         | 1    |
| 2.4-2.4835GHz | 802.11g        | 20         | 1    |
| 2.4-2.4835GHz | 802.11n HT20   | 20         | 1    |
| 2.4-2.4835GHz | VHT20          | 20         | 1    |
| 2.4-2.4835GHz | 802.11ax HEW20 | 20         | 1    |

#### Note:

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



### 1.1.2 Antenna Information

| Ant. | Port            |                        |                         |                        |                                              |           | Brand | Model Name   | Ant. Type         | Connector | Gain (dBi) |
|------|-----------------|------------------------|-------------------------|------------------------|----------------------------------------------|-----------|-------|--------------|-------------------|-----------|------------|
|      | R1: WLAN 2.4GHz | R1: WLAN 5GHz UNII 1~3 | R2: WLAN 5GHz UNII 2C~3 | R2: WLAN 6GHz UNII 5~8 | R3: WLAN 2.4GHz /5GHz UNII 1~3/6GHz UNII 5~8 | Bluetooth |       |              |                   |           |            |
| 1    | 3               | 4                      | -                       | -                      | -                                            | -         | CISCO | 95XEAJ15.G04 | Folded            | I-PEX     | Note2      |
| 2    | 4               | 3                      | -                       | -                      | -                                            | -         | CISCO | 95XEAJ15.G03 | Folded            | I-PEX     |            |
| 3    | 2               | 2                      | -                       | -                      | -                                            | -         | CISCO | 95XEAJ15.G05 | Folded            | I-PEX     |            |
| 4    | 1               | 1                      | -                       | -                      | -                                            | -         | CISCO | 95XEAJ15.G06 | Folded            | I-PEX     |            |
| 5    | -               | -                      | 4                       | 4                      | -                                            | -         | CISCO | 95XEAJ15.G12 | H-POL Alford loop | I-PEX     |            |
| 6    | -               | -                      | 3                       | 3                      | -                                            | -         | CISCO | 95XEAJ15.G11 | H-POL Alford loop | I-PEX     |            |
| 7    | -               | -                      | 1                       | 1                      | -                                            | -         | CISCO | 95XEAJ15.G09 | H-POL Alford loop | I-PEX     |            |
| 8    | -               | -                      | 2                       | 2                      | -                                            | -         | CISCO | 95XEAJ15.G10 | H-POL Alford loop | I-PEX     |            |
| 9    | -               | -                      | -                       | -                      | 1                                            | -         | CISCO | 95XEAJ15.G07 | PIFA              | I-PEX     |            |
| 10   | -               | -                      | -                       | -                      | 2                                            | -         | CISCO | 95XEAJ15.G08 | PIFA              | I-PEX     |            |
| 11   | -               | -                      | -                       | -                      | -                                            | 1         | CISCO | 95XEAJ15.G13 | PIFA              | I-PEX     |            |

Note1: R means Radio.

Note2:

| Ant. | Antenna Gain (dBi) |                  |                   |                   |                  |                  |                  |                  |                  |           | Remark  |
|------|--------------------|------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|-----------|---------|
|      | WLAN 2.4GHz        | WLAN 5GHz UNII 1 | WLAN 5GHz UNII 2A | WLAN 5GHz UNII 2C | WLAN 5GHz UNII 3 | WLAN 6GHz UNII 5 | WLAN 6GHz UNII 6 | WLAN 6GHz UNII 7 | WLAN 6GHz UNII 8 | Bluetooth |         |
| 1    | 2.79               | 4.27             | 3.94              | 1.88              | 2.57             | -                | -                | -                | -                | -         | Radio 1 |
| 2    | 2.43               | 5.09             | 5.16              | 2.89              | 2.72             | -                | -                | -                | -                | -         | Radio 1 |
| 3    | 2.79               | 2.78             | 2.74              | 2.66              | 1.91             | -                | -                | -                | -                | -         | Radio 1 |
| 4    | 2.62               | 5.24             | 5.46              | 4.26              | 3.94             | -                | -                | -                | -                | -         | Radio 1 |
| 5    | -                  | -                | -                 | 2.98              | 4.19             | 2.4              | 2.41             | 1.39             | 0.77             | -         | Radio 2 |
| 6    | -                  | -                | -                 | 3.46              | 4.94             | 2.95             | 1.96             | 1.32             | 0.87             | -         | Radio 2 |
| 7    | -                  | -                | -                 | 3.42              | 4.36             | 2.95             | 2.31             | 0.99             | 0.61             | -         | Radio 2 |
| 8    | -                  | -                | -                 | 3.67              | 4.23             | 2.91             | 3.96             | 1.59             | 0.33             | -         | Radio 2 |
| 9    | 3.3                | 4.0              |                   |                   |                  | 5.3              |                  |                  |                  | -         | Radio 3 |
| 10   | 3.3                | 4.0              |                   |                   |                  | 5.3              |                  |                  |                  | -         | Radio 3 |
| 11   | -                  | -                | -                 | -                 | -                | -                | -                | -                | -                | 3.8       | Radio 4 |



Note3:

| Item | Directional Gain (dBi) |                        |                         |                         |                        |                        |                        |                        |                        | Remark  |
|------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------|
|      | WLAN<br>2.4GHz         | WLAN<br>5GHz<br>UNII 1 | WLAN<br>5GHz<br>UNII 2A | WLAN<br>5GHz<br>UNII 2C | WLAN<br>5GHz<br>UNII 3 | WLAN<br>6GHz<br>UNII 5 | WLAN<br>6GHz<br>UNII 6 | WLAN<br>6GHz<br>UNII 7 | WLAN<br>6GHz<br>UNII 8 |         |
| 2T1S | 4.29                   | 5.39                   | 5.26                    | 4.69                    | 4.16                   | -                      | -                      | -                      | -                      | Radio 1 |
| 2T2S | 1.28                   | 2.99                   | 2.99                    | 2.02                    | 1.65                   | -                      | -                      | -                      | -                      |         |
| 4T1S | 6.92                   | 6.99                   | 7.25                    | 6.62                    | 5.97                   | -                      | -                      | -                      | -                      |         |
| 4T2S | 3.92                   | 5.24                   | 5.46                    | 4.26                    | 3.94                   | -                      | -                      | -                      | -                      |         |
| 4T4S | 0.93                   | 1.09                   | 1.55                    | 0.94                    | 0.27                   | -                      | -                      | -                      | -                      |         |
| 2T1S | -                      | -                      | -                       | 5.82                    | 5.21                   | 5.38                   | 4.47                   | 4.13                   | 3.08                   | Radio 2 |
| 2T2S | -                      | -                      | -                       | 2.82                    | 2.53                   | 2.37                   | 1.59                   | 1.12                   | 0.09                   |         |
| 4T1S | -                      | -                      | -                       | 8.6                     | 7.96                   | 7.45                   | 6.03                   | 6.05                   | 4.51                   |         |
| 4T2S | -                      | -                      | -                       | 5.6                     | 4.96                   | 4.45                   | 3.96                   | 3.05                   | 1.51                   |         |
| 4T4S | -                      | -                      | -                       | 2.59                    | 2.12                   | 1.51                   | 0.27                   | 0.07                   | -1.19                  |         |

Note4: The above information (except gain of Radio 1 and Radio 2) was declared by manufacturer.

Note5: Radio 1 (WLAN 2.4/5GHz UNII 1~3), Radio 2 (5GHz UNII 2C~3/6GHz UNII 5~8): The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.

Note6: The EUT has eleven antennas.

**For WLAN 2.4GHz function (Radio 1):****For IEEE 802.11b/g/n/VHT/ax mode (1TX,2TX,4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

**For WLAN 5GHz function (Radio 1 and Radio 2):****For IEEE 802.11a/n/ac/ax mode (1TX,2TX,4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

**For 6GHz function (Radio 2):****For IEEE 802.11ax mode (1TX,2TX,4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

**For Scanning Radio 3:**

**For WLAN 2.4GHz function**

**For 802.11b/g/n/VHT/ax mode (1TX/2RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2RX

Port 1 and Port 2 can be used as receiving antennas.

Port 1 and Port 2 could receive simultaneously.

**For WLAN 5GHz function**

**For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2RX

Port 1 and Port 2 can be used as receiving antennas.

Port 1 and Port 2 could receive simultaneously.

**For 6GHz function:**

**For IEEE 802.11ax mode (1TX/2RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2RX

Port 1 and Port 2 can be used as receiving antennas.

Port 1 and Port 2 could receive simultaneously.

**For Bluetooth function (Radio 4):**

**For Bluetooth mode (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

### 1.1.3 Mode Test Duty Cycle

**For Radio 1**

**For 1T1S:**

| Mode           | DC    | DCF(dB) | T(s)   | VBW(Hz) $\geq 1/T$ |
|----------------|-------|---------|--------|--------------------|
| 802.11b        | 0.908 | 0.42    | 7.025m | 300                |
| 802.11g        | 0.926 | 0.33    | 1.433m | 1k                 |
| 802.11ax HEW20 | 0.95  | 0.22    | 5.446m | 300                |

**For 2T1S:**

| Mode           | DC    | DCF(dB) | T(s)   | VBW(Hz) $\geq 1/T$ |
|----------------|-------|---------|--------|--------------------|
| 802.11b        | 0.844 | 0.74    | 7.027m | 300                |
| 802.11g        | 0.932 | 0.31    | 1.433m | 1k                 |
| 802.11ax HEW20 | 0.966 | 0.15    | 5.056m | 300                |

**For 4T1S:**

| Mode           | DC    | DCF(dB) | T(s)   | VBW(Hz) ≥ 1/T |
|----------------|-------|---------|--------|---------------|
| 802.11b        | 0.844 | 0.74    | 7.027m | 300           |
| 802.11g        | 0.932 | 0.31    | 1.433m | 1k            |
| 802.11ax HEW20 | 0.966 | 0.15    | 5.056m | 300           |

**For Radio 3****For 1T1S:**

| Mode           | DC    | DCF(dB) | T(s)   | VBW(Hz) ≥ 1/T |
|----------------|-------|---------|--------|---------------|
| 802.11b        | 0.962 | 0.17    | 7.024m | 300           |
| 802.11g        | 0.933 | 0.3     | 1.433m | 1k            |
| 802.11ax HEW20 | 0.937 | 0.28    | 5.446m | 300           |

**Note:**

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

**1.1.4 EUT Operational Condition**

|                              |                                                                                                                      |                  |                          |                     |
|------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|---------------------|
| <b>EUT Power Type</b>        | From Power Adapter or PoE                                                                                            |                  |                          |                     |
| <b>Beamforming Function</b>  | <input checked="" type="checkbox"/>                                                                                  | With beamforming | <input type="checkbox"/> | Without beamforming |
|                              | The product has beamforming function for n/VHT/ax in Radio1-2.4GHz, n/ac/ax in Radio1, 2-5GHz and ax in Radio2-6GHz. |                  |                          |                     |
| <b>Test Software Version</b> | Tera team 4.75                                                                                                       |                  |                          |                     |

Note: The above information was declared by manufacturer.

**1.1.5 Table for Multiple Listing**

| Equipment Name                                       | Model Name | SW     | R1: 2.4GHz          | R1: 5GHz Low Band or R1: 5GHz Full Band      | R2: 5GHz High band or R2: 6GHz | R3: 2.4GHz/ 5GHz/ 6GHz | R4: Bluetooth |
|------------------------------------------------------|------------|--------|---------------------|----------------------------------------------|--------------------------------|------------------------|---------------|
| Catalyst Wireless 9166I Wi-Fi 6E Series Access Point | CW9166I-B  | Cisco  | V<br>(1/2/4TX +4RX) | V<br>(With 80+80MHz)                         | V                              | V                      | V             |
|                                                      | CW9166I-MR | Meraki | V<br>(1/2/4TX +4RX) | V<br>(Without 80+80MHz)                      | V                              | V                      | V             |
| Catalyst Wireless 9164I Wi-Fi 6E Series Access Point | CW9164I-B  | Cisco  | V<br>(1/2TX +2RX)   | V<br>(5GHz Full Band only, with 80+80MHz)    | V<br>(6GHz only)               | V                      | V             |
|                                                      | CW9164I-MR | Meraki | V<br>(1/2TX +2RX)   | V<br>(5GHz Full Band only, without 80+80MHz) | V<br>(6GHz only)               | V                      | V             |

Note1: From the above models, model: CW9166I-B was selected as representative model for the test and its data was recorded in this report.



Note2: The above information was declared by manufacturer.

### 1.1.6 Table for Radio function

| Function<br>Radio     | WLAN 2.4GHz | WLAN 5GHz<br>UNII 1~2A | WLAN 5GHz<br>UNII 2C~3 | WLAN 6GHz<br>UNII 5~8 | Bluetooth |
|-----------------------|-------------|------------------------|------------------------|-----------------------|-----------|
| 1<br>(Iron Radio)     | V           | V                      | V                      | -                     | -         |
| 2<br>(Pine Radio)     | -           | -                      | V                      | V                     | -         |
| 3<br>(Scanning Radio) | V           | V                      | V                      | V                     | -         |
| 4                     | -           | -                      | -                      | -                     | V         |

Note1 : The above information was declared by manufacturer and

Note2 : The Radio 2 and Radio 3 can't operate simultaneously.

### 1.1.7 Table for EUT Operation Function

| Mode | Operation Function                                                   |
|------|----------------------------------------------------------------------|
| 1    | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth |
| 2    | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth   |
| 3    | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth   |
| 4    | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth          |
| 5    | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth            |
| 6    | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth            |

Note: The above information was declared by manufacturer.



## 1.2 Applicable Standards

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

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

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

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

## 1.3 Testing Location Information

| Testing Location Information                              |                                                                                                                                                                                                                                                |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Lab. : Sporton International Inc. Hsinchu Laboratory |                                                                                                                                                                                                                                                |
| Hsinchu<br>(TAF: 3787)                                    | ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)<br>TEL: 886-3-656-9065 FAX: 886-3-656-9085<br>Test site Designation No. TW3787 with FCC.<br>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      | 20.3~20.7 / 60~62            | Jan. 22, 2022~<br>May 13, 2022  |
| Radiated for below 1GHz  | 03CH05-CB     | Eason Chen    | 23.3-24.4 / 57-59            | Mar. 14, 2022~<br>Apr. 27, 2022 |
| Radiated for cabinet     | 03CH04-CB     | Simmon Cheng  | 23.8-24.9 / 55-58            | Feb. 26, 2022~<br>Apr. 29, 2022 |
| Radiated for co-location | 03CH03-CB     | Simmon Cheng  | 23.5-24.6 / 55-59            | Apr. 19, 2022                   |
| AC Conduction            | CO01-CB       | Joe Chu       | 20~22 / 60~62                | Apr. 06, 2022~<br>Apr. 07, 2022 |



## 1.4 Measurement Uncertainty

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

| 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

For Radio 1:

<Non-Beamforming Mode>

For 1T1S:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -             |
| 2412MHz                        | 17            |
| 2437MHz                        | 17            |
| 2462MHz                        | 17            |
| 802.11g_Nss1,(6Mbps)_1TX       | -             |
| 2412MHz                        | 17            |
| 2437MHz                        | 17            |
| 2462MHz                        | 17            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -             |
| 2412MHz                        | 17            |
| 2437MHz                        | 17            |
| 2462MHz                        | 15            |

For 2T1S:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -             |
| 2412MHz                        | 17            |
| 2437MHz                        | 17            |
| 2462MHz                        | 17            |
| 802.11g_Nss1,(6Mbps)_2TX       | -             |
| 2412MHz                        | 16            |
| 2437MHz                        | 17            |
| 2462MHz                        | 15            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -             |
| 2412MHz                        | 16            |
| 2437MHz                        | 17            |
| 2462MHz                        | 14            |

**For 4T1S:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_4TX       | -             |
| 2412MHz                        | 17            |
| 2437MHz                        | 17            |
| 2462MHz                        | 17            |
| 802.11g_Nss1,(6Mbps)_4TX       | -             |
| 2412MHz                        | 15            |
| 2437MHz                        | 17            |
| 2462MHz                        | 14            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -             |
| 2412MHz                        | 14            |
| 2437MHz                        | 17            |
| 2457MHz                        | 15            |
| 2462MHz                        | 13            |

**<Beamforming Mode>****For 2T1S:**

| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | -             |
| 2412MHz                           | 15            |
| 2437MHz                           | 17            |
| 2462MHz                           | 14            |

**For 4T1S:**

| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -             |
| 2412MHz                           | 14            |
| 2437MHz                           | 17            |
| 2457MHz                           | 15            |
| 2462MHz                           | 13            |

**For Radio 3:****For 1T1S:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -             |
| 2412MHz                        | 19.5          |
| 2437MHz                        | 19.5          |
| 2462MHz                        | 19.5          |
| 802.11g_Nss1,(6Mbps)_1TX       | -             |
| 2412MHz                        | 18.5          |
| 2437MHz                        | 20            |
| 2462MHz                        | 18.5          |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -             |
| 2412MHz                        | 17            |
| 2437MHz                        | 19.5          |
| 2462MHz                        | 17            |

Note1: Evaluated HEW20 mode only, due to similar modulation. The power setting of HT20/VHT20 mode are the same or lower than HEW20.

Note2: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

## 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(WLAN), CTX(Bluetooth)                                                       |
| 1                                                                                                                              | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter            |
| 2                                                                                                                              | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth+Adapter              |
| 3                                                                                                                              | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth+Adapter              |
| 4                                                                                                                              | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth+Adapter                     |
| 5                                                                                                                              | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth+Adapter                       |
| 6                                                                                                                              | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth+Adapter                       |
| Mode 1 has been evaluated to be the worst case among Mode 1~6, thus measurement for Mode 7~11 will follow this same test mode. |                                                                                         |
| 7                                                                                                                              | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE1               |
| 8                                                                                                                              | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE2               |
| 9                                                                                                                              | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE3               |
| 10                                                                                                                             | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE4               |
| 11                                                                                                                             | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE5               |
| For operating mode 7 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                                                                                 |
| <b>Operating Mode</b>                               |                                                                                                                          |
| 1                                                   | R1: 1T1S                                                                                                                 |
| 2                                                   | R1: 2T1S                                                                                                                 |
| 3                                                   | R1: 4T1S                                                                                                                 |
| 4                                                   | R3: 1T1S                                                                                                                 |



| <b>The Worst Case Mode for Following Conformance Tests</b>                                                                      |                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                                                                                                 | Normal Link(WLAN), CTX(Bluetooth)                                                                                                                                                                                                                   |
| 1                                                                                                                               | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter                                                                                                                                                          |
| 2                                                                                                                               | EUT in Y axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter                                                                                                                                                          |
| 3                                                                                                                               | EUT in X axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter                                                                                                                                                          |
| Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~8 will follow this same test mode.  |                                                                                                                                                                                                                                                     |
| 4                                                                                                                               | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth+Adapter                                                                                                                                                            |
| 5                                                                                                                               | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth+Adapter                                                                                                                                                            |
| 6                                                                                                                               | EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth+Adapter                                                                                                                                                                   |
| 7                                                                                                                               | EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth+Adapter                                                                                                                                                                     |
| 8                                                                                                                               | EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth+Adapter                                                                                                                                                                     |
| Mode 1 has been evaluated to be the worst case among Mode 1~8, thus measurement for Mode 9 ~13 will follow this same test mode. |                                                                                                                                                                                                                                                     |
| 9                                                                                                                               | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE1                                                                                                                                                             |
| 10                                                                                                                              | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE2                                                                                                                                                             |
| 11                                                                                                                              | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE3                                                                                                                                                             |
| 12                                                                                                                              | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE4                                                                                                                                                             |
| 13                                                                                                                              | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE5                                                                                                                                                             |
| 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>                                   | Emissions in Restricted Frequency Bands  |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains |
| <b>Operating Mode<br/>&gt; 1GHz</b>                 | CTX(Harmonic and bandedge)               |
| 1                                                   | R1: 1T1S                                 |
| 2                                                   | R1: 2T1S                                 |
| 3                                                   | R1: 4T1S                                 |
| 4                                                   | R3: 1T1S                                 |

| 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<br/>&gt; 1GHz</b>                                                                                                                              | CTX(Cabinet)                                                                                                                                                                                                                                        |
| The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below. So the measurement will follow this same test configuration. |                                                                                                                                                                                                                                                     |
| 1                                                                                                                                                                | For R1:1T1S_EUT in X axis                                                                                                                                                                                                                           |
| 2                                                                                                                                                                | For R1:2T1S_EUT in Z axis                                                                                                                                                                                                                           |
| 3                                                                                                                                                                | For R1:4T1S_EUT in Z axis                                                                                                                                                                                                                           |
| 4                                                                                                                                                                | For R3:4T1S_EUT in Y axis                                                                                                                                                                                                                           |

| 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                                               |
| <b>Operating Mode</b>                                                                                                                                                                                                   | Normal Link                                                        |
| The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz, and the worst case was found as below. So the measurement will follow this same test configuration. |                                                                    |
| 1                                                                                                                                                                                                                       | EUT in X axis - R1: 2.4GHz/5GHz Low Band                           |
| 2                                                                                                                                                                                                                       | EUT in X axis - R1: 2.4GHz/5GHz Full Band                          |
| For operating mode 1 is the worst case and it was record in this test report.                                                                                                                                           |                                                                    |
| Refer to Appendix G for Radiated Emission Co-location.                                                                                                                                                                  |                                                                    |

| <b>The Worst Case Mode for Following Conformance Tests</b>                            |                                                                         |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                     | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| <b>Operating Mode</b>                                                                 |                                                                         |
| 1                                                                                     | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth    |
| 2                                                                                     | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth      |
| 3                                                                                     | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth      |
| 4                                                                                     | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth             |
| 5                                                                                     | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth               |
| 6                                                                                     | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth               |
| Refer to Sporton Test Report No.: FA1D2822-01 for Co-location RF Exposure Evaluation. |                                                                         |

Note: The Adapter and PoEs are for measurement only, would not be marketed.

Adapter and PoEs information as below:

| <b>Power</b> | <b>Brand</b> | <b>Model</b>    |
|--------------|--------------|-----------------|
| Adapter      | UMEC         | MA-PWR-50WAC    |
| PoE 1        | PHIHONG      | POEA33U-1ATE    |
| PoE 2        | PHIHONG      | POE60U-1BT-X    |
| PoE 3        | Delta        | ADH-65AR B      |
| PoE 4        | Microchip    | PD-9001GR/AT/AC |
| PoE 5        | PHIHONG      | POE29U-1AT      |



## 2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

## 2.4 Accessories

Wall-mounted rack\*1

## 2.5 Support Equipment

For AC Conduction:

| Support Equipment |               |            |              |        |
|-------------------|---------------|------------|--------------|--------|
| No.               | Equipment     | Brand Name | Model Name   | FCC ID |
| A                 | LAN PC        | DELL       | T3400        | N/A    |
| B                 | 2.4G NB       | DELL       | E6430        | N/A    |
| C                 | Iron 5G NB    | DELL       | E6430        | N/A    |
| D                 | Pine NB       | DELL       | E6430        | N/A    |
| E                 | Flash disk3.0 | Transcend  | JetFlash-700 | N/A    |
| F                 | PoE 1         | PHIHONG    | POEA33U-1ATE | N/A    |

For Radiated (below 1GHz):

| Support Equipment |                  |               |              |        |
|-------------------|------------------|---------------|--------------|--------|
| No.               | Equipment        | Brand Name    | Model Name   | FCC ID |
| A                 | LAN PC           | DELL          | T3400        | N/A    |
| B                 | NB               | DELL          | E4300        | N/A    |
| C                 | 2.4G WiFi NB     | DELL          | E4300        | N/A    |
| D                 | 5G(Iron) WiFi NB | DELL          | E4300        | N/A    |
| E                 | 5G(Pine) WiFi NB | DELL          | E4300        | N/A    |
| F                 | Flash disk3.0    | Silicon Power | B06          | N/A    |
| D                 | Adapter          | UMEC          | MA-PWR-50WAC | N/A    |

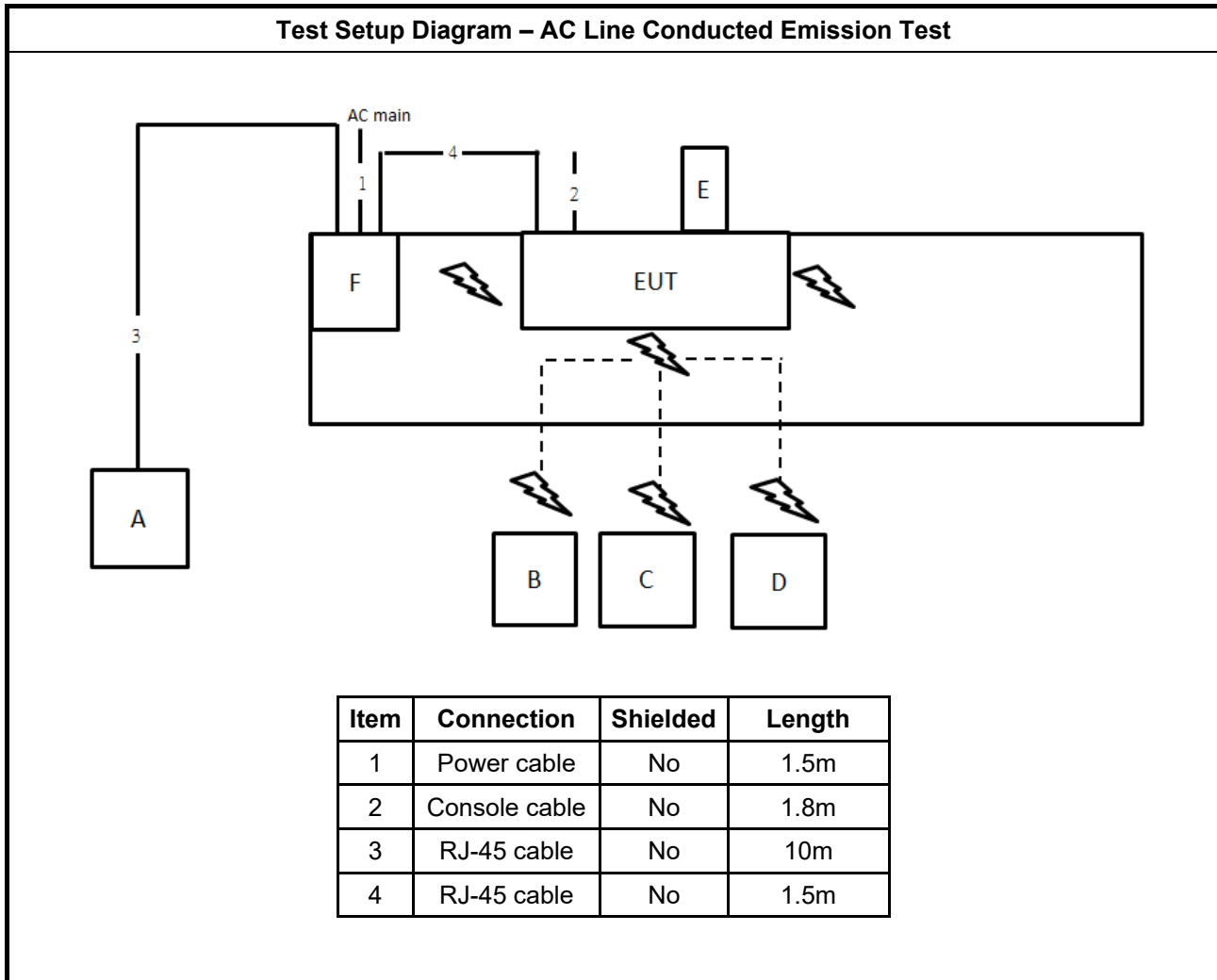
**For Radiated (above 1GHz):****For cabinet:**

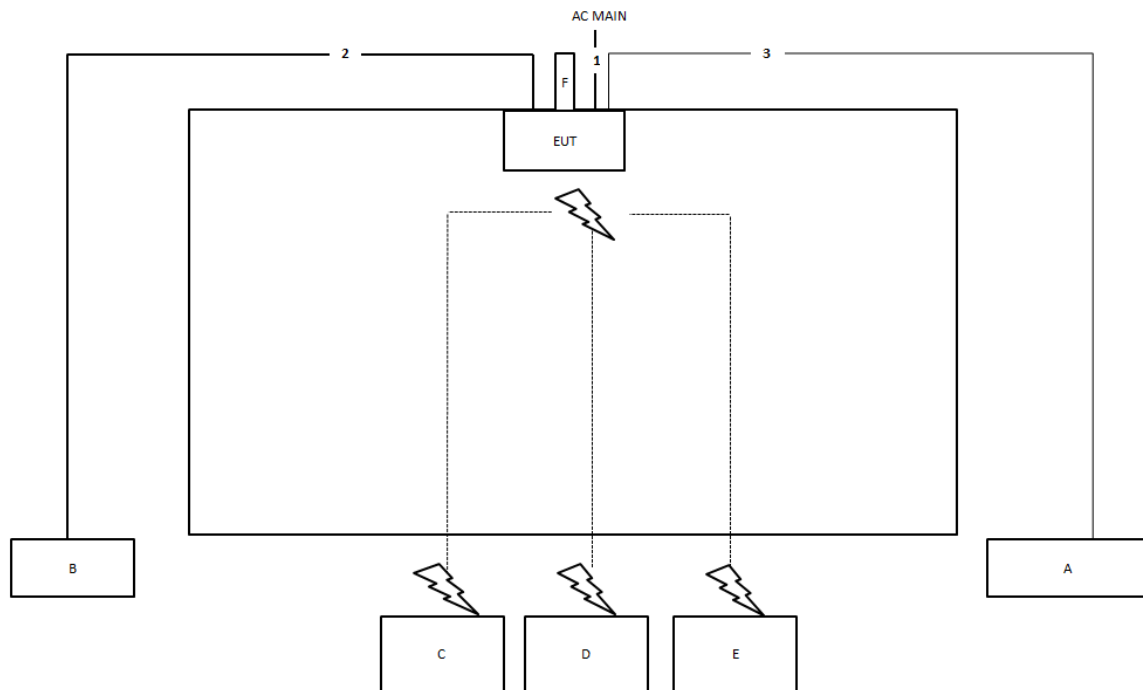
| Support Equipment |           |            |              |        |
|-------------------|-----------|------------|--------------|--------|
| No.               | Equipment | Brand Name | Model Name   | FCC ID |
| A                 | NB        | DELL       | E4300        | N/A    |
| B                 | PoE 1     | PHIHONG    | POEA33U-1ATE | N/A    |

**For RF Conducted:**

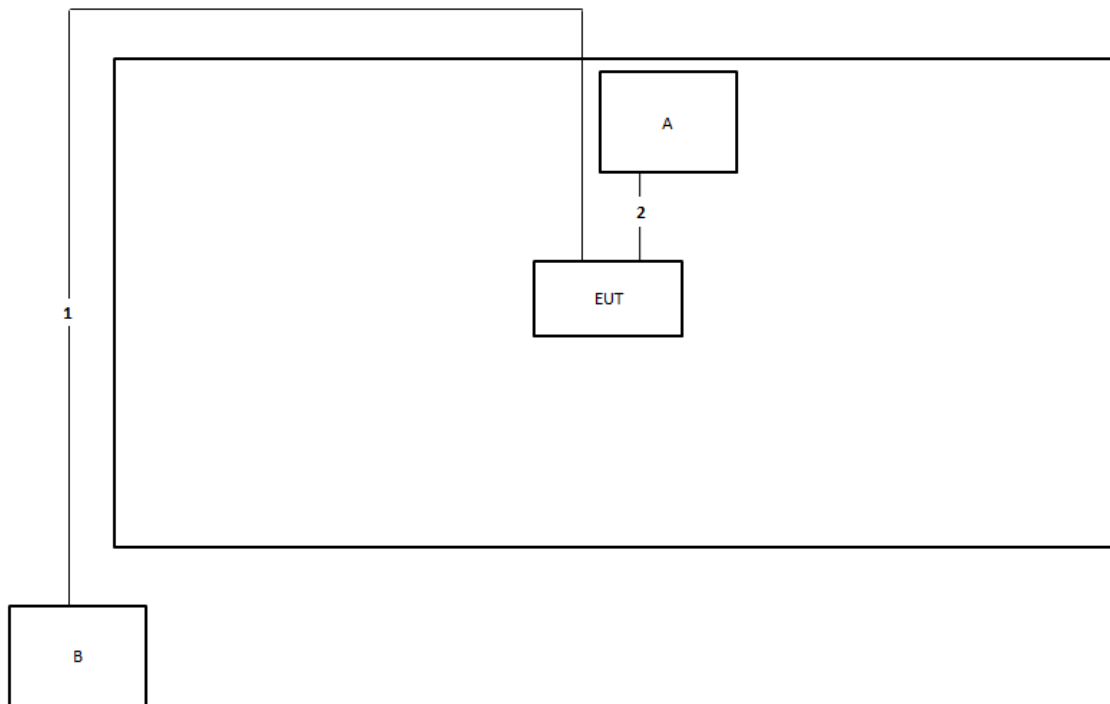
| Support Equipment |           |            |              |        |
|-------------------|-----------|------------|--------------|--------|
| No.               | Equipment | Brand Name | Model Name   | FCC ID |
| A                 | NB        | DELL       | E4300        | N/A    |
| B                 | PoE 1     | PHIHONG    | POEA33U-1ATE | N/A    |

## 2.6 Test Setup Diagram



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


| Item | Connection  | Shielded | Length |
|------|-------------|----------|--------|
| 1    | Power cable | No       | 1.5m   |
| 2    | RJ-45 cable | No       | 10m    |
| 3    | RJ-45 cable | No       | 10m    |

**Test Setup Diagram - Radiated Test > 1GHz for Cabinet**


| Item | Connection                         | Shielded | Length |
|------|------------------------------------|----------|--------|
| 1    | RJ-45 cable                        | No       | 10m    |
| 2    | Console cable<br>(RS-232 to RJ-45) | No       | 0.5m   |

### 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.

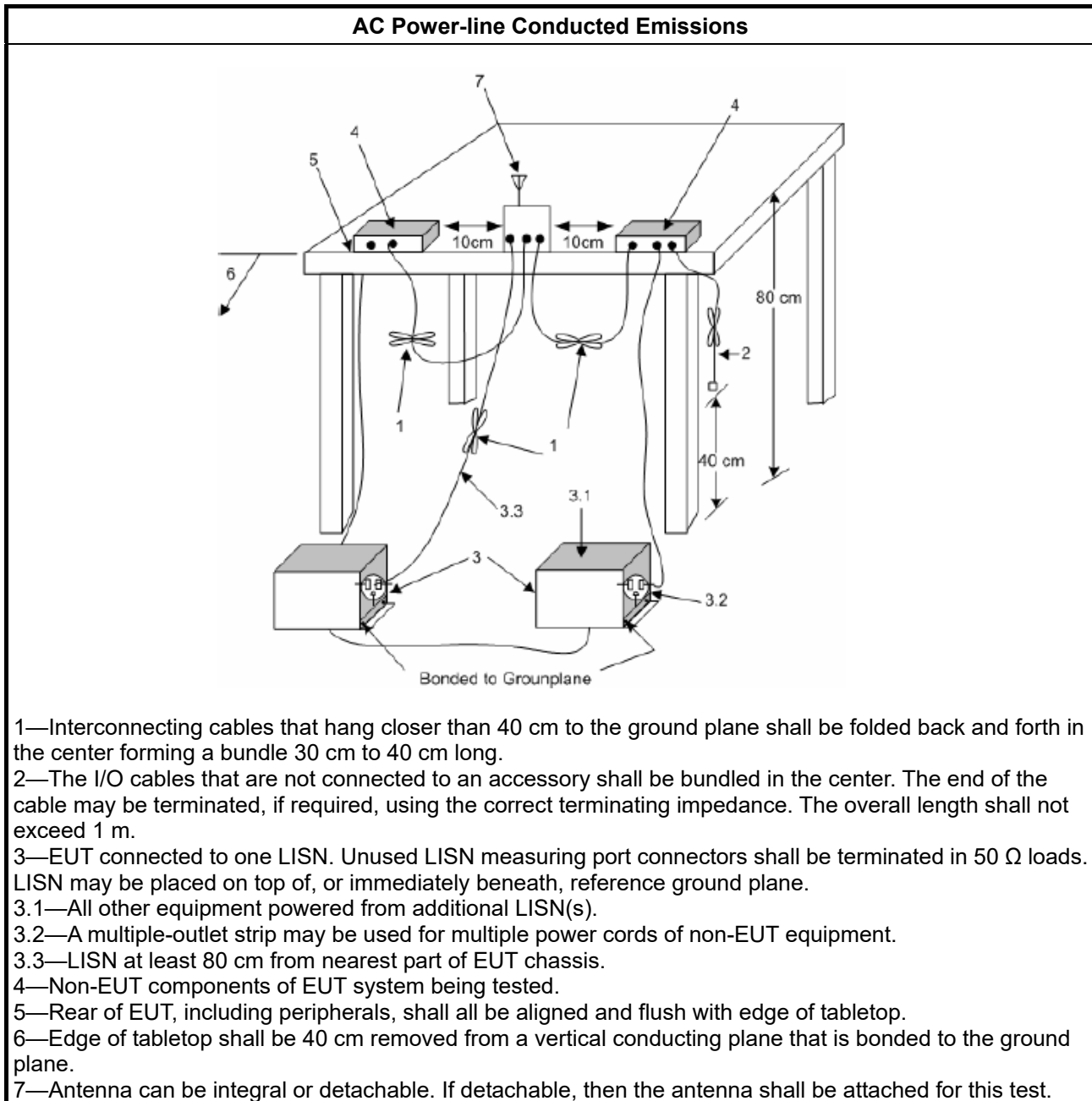
##### 3.1.2 Measuring Instruments

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> |

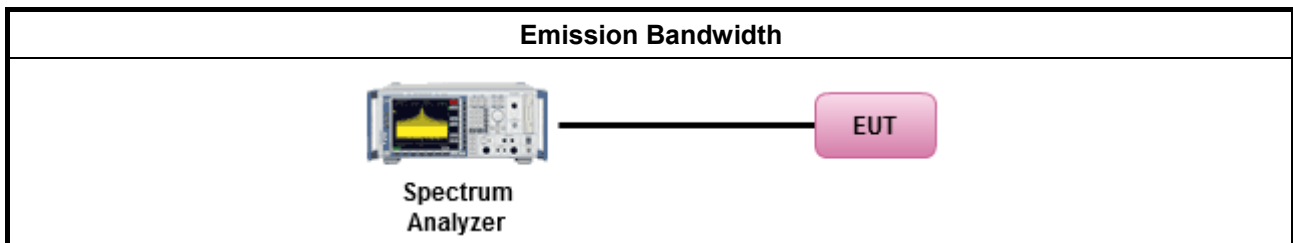
### 3.2.2 Measuring Instruments

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. |                                                                                                      |

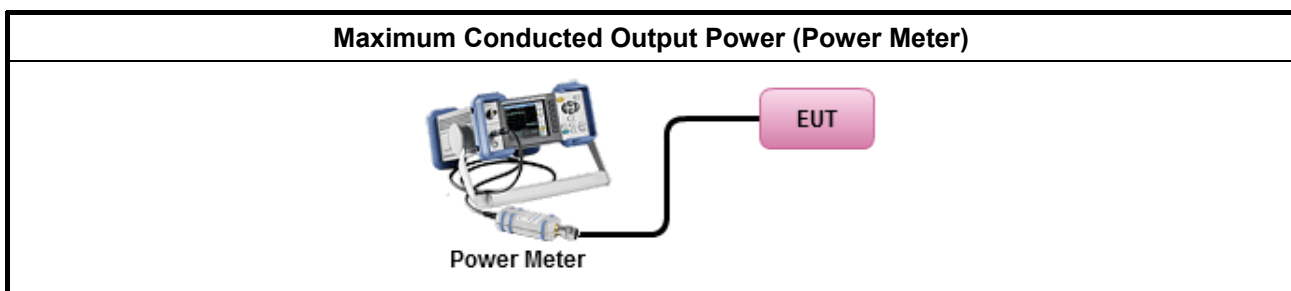
#### 3.3.2 Measuring Instruments

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 |

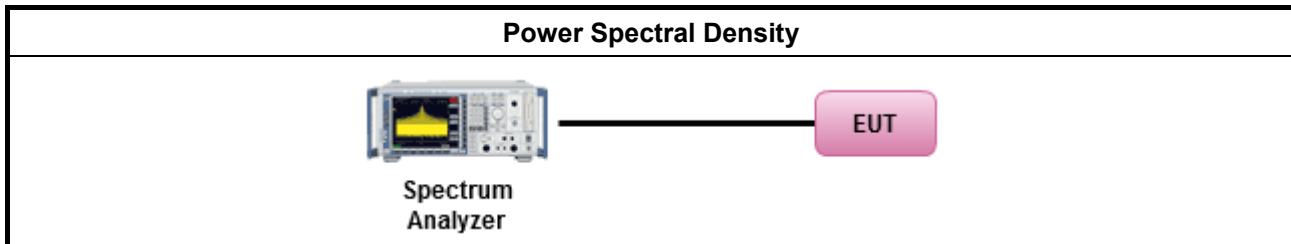
#### 3.4.2 Measuring Instruments

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> |             |

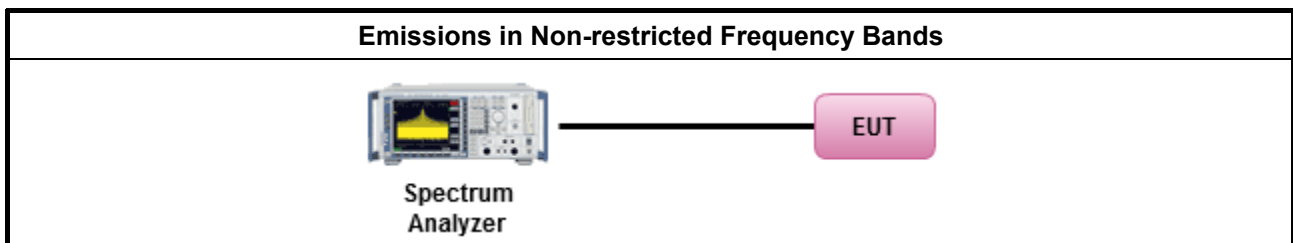
#### 3.5.2 Measuring Instruments

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.

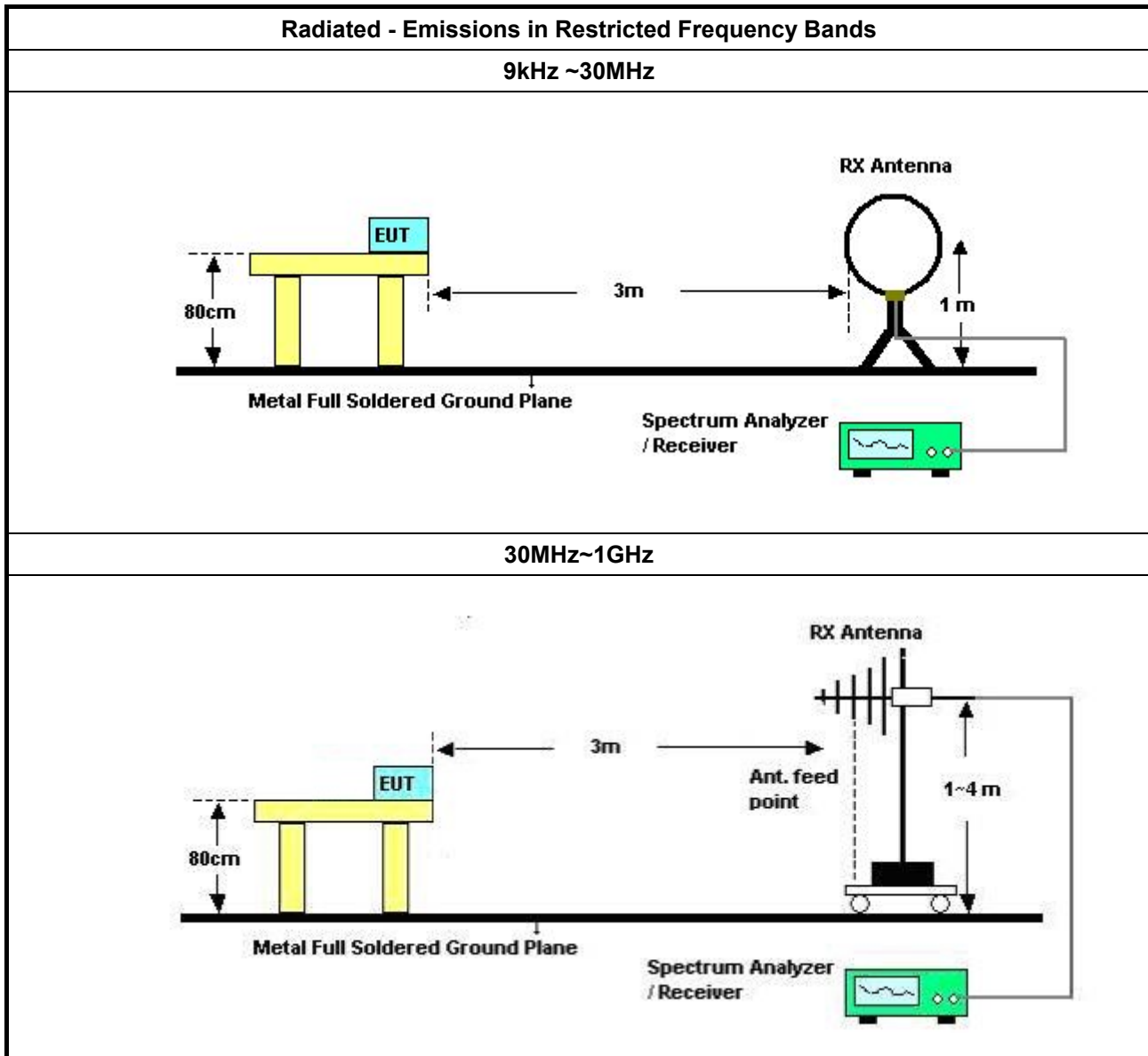
### 3.6.3 Test Procedures

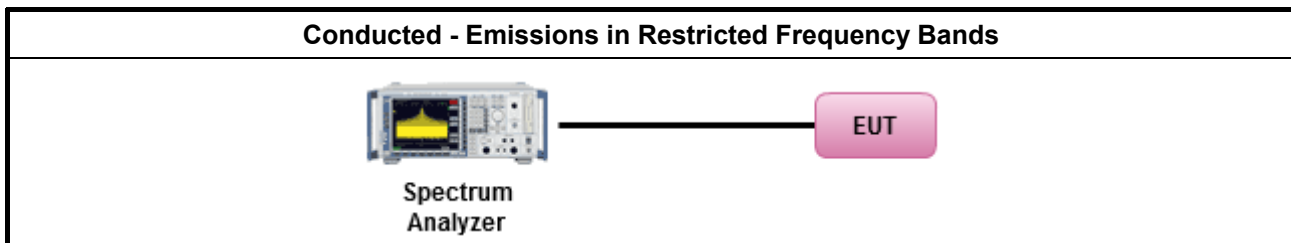
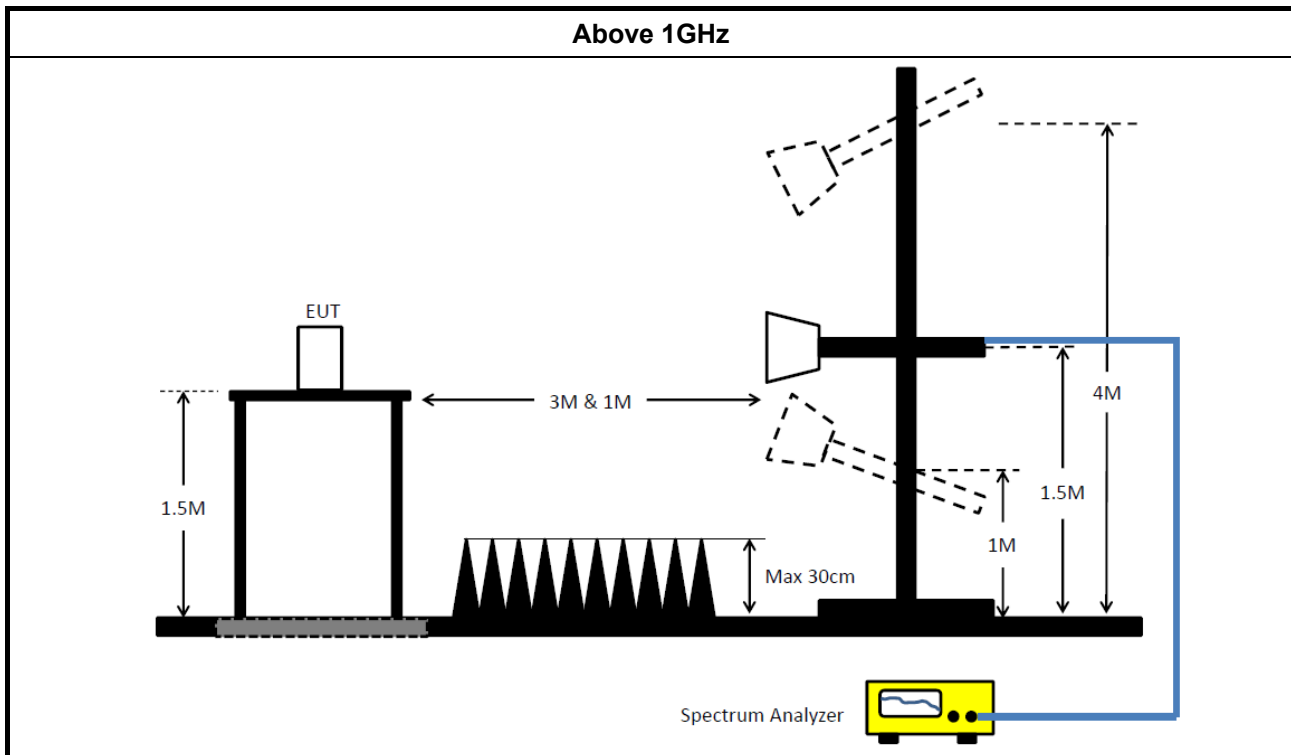
| Test Method                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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). 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> |



| Test Method |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | ▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.2.                                                                                                                                                                                                                                                                                                                 |
|             | ▪ For conducted unwanted emissions into non-restricted bands (relative emission limits).<br>Devices with multiple transmit chains:<br>Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs. |
|             | ▪ 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                                                                                                                                                                             |
|             | ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.                                                                                    |

### 3.6.4 Test Setup





### 3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

### 3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



## 4 Test Equipment and Calibration Data

| Instrument                        | Brand          | Model No.          | Serial No.       | Characteristics | Calibration Date | Calibration Due Date | Remark                |
|-----------------------------------|----------------|--------------------|------------------|-----------------|------------------|----------------------|-----------------------|
| EMI Receiver                      | Agilent        | N9038A             | My52260123       | 9kHz ~ 8.4GHz   | Feb. 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          | 8127650          | 9kHz ~ 30MHz    | Jan. 07, 2022    | Jan. 06, 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 19, 2021     | May 18, 2022         | Conduction (CO01-CB)  |
| Software                          | SPORTON        | SENSE              | V5.10            | -               | N.C.R.           | N.C.R.               | Conduction (CO01-CB)  |
| 3m Semi Anechoic Chamber NSA      | TDK            | SAC-3M             | 03CH05-CB        | 30 MHz ~ 1 GHz  | Aug. 09, 2021    | Aug. 08, 2022        | Radiation (03CH05-CB) |
| Bilog Antenna with 6dB Attenuator | TESEQ & EMCI   | CBL 6112D & N-6-06 | 35236 & AT-N0610 | 30MHz ~ 2GHz    | Mar. 26, 2021    | Mar. 25, 2022        | Radiation (03CH05-CB) |
| Bilog Antenna with 6dB Attenuator | TESEQ & EMCI   | CBL 6112D & N-6-06 | 35236 & AT-N0610 | 30MHz ~ 2GHz    | Mar. 25, 2022    | Mar. 24, 2023        | Radiation (03CH05-CB) |
| Pre-Amplifier                     | EMCI           | EMC330N            | 980331           | 20MHz ~ 3GHz    | Apr. 27, 2021    | Apr. 26, 2022        | Radiation (03CH05-CB) |
| Pre-Amplifier                     | EMCI           | EMC330N            | 980331           | 20MHz ~ 3GHz    | Apr. 26, 2022    | Apr. 25, 2023        | Radiation (03CH05-CB) |
| Spectrum Analyzer                 | R&S            | FSP40              | 100304           | 9kHz ~ 40GHz    | Mar. 14, 2022    | Mar. 13, 2023        | Radiation (03CH05-CB) |
| Loop Antenna                      | Teseq          | HLA 6120           | 24155            | 9kHz - 30 MHz   | Apr. 14, 2021    | Apr. 13, 2022        | Radiation (03CH05-CB) |
| Loop Antenna                      | Teseq          | HLA 6120           | 31244            | 9kHz - 30 MHz   | Mar. 18, 2022    | Mar. 17, 2023        | Radiation (03CH05-CB) |
| EMI Test Receiver                 | R&S            | ESCS               | 826547/017       | 9kHz ~ 2.75GHz  | Jun. 21, 2021    | Jun. 20, 2022        | Radiation (03CH05-CB) |
| RF Cable-low                      | Woken          | RG402              | Low Cable-04+23  | 30MHz~1GHz      | Oct. 13, 2021    | Oct. 12, 2022        | Radiation (03CH05-CB) |
| Test Software                     | SPORTON        | SENSE              | V5.10            | -               | N.C.R.           | N.C.R.               | Radiation (03CH05-CB) |



| Instrument                    | Brand          | Model No.         | Serial No.          | Characteristics     | Calibration Date | Calibration Due Date | Remark                   |
|-------------------------------|----------------|-------------------|---------------------|---------------------|------------------|----------------------|--------------------------|
| 3m Semi Anechoic Chamber VSWR | TDK            | SAC-3M            | 03CH03-CB           | 1GHz ~18GHz<br>3m   | May 06, 2021     | May 05, 2022         | Radiation<br>(03CH03-CB) |
| Horn Antenna                  | ETS • Lindgren | 3115              | 6821                | 750MHz~<br>18GHz    | Jan. 21, 2022    | Jan. 20, 2023        | Radiation<br>(03CH03-CB) |
| Horn Antenna                  | Schwarzbeck    | BBHA 9170         | BBHA9170252         | 15GHz ~ 40GHz       | Aug. 05, 2021    | Aug. 04, 2022        | Radiation<br>(03CH03-CB) |
| Pre-Amplifier                 | Agilent        | 8449B             | 3008A02097          | 1GHz ~ 26.5GHz      | Jul. 02, 2021    | Jul. 01, 2022        | Radiation<br>(03CH03-CB) |
| Pre-Amplifier                 | MITEQ          | TTA1840-35-H<br>G | 1864479             | 18GHz ~ 40GHz       | Jul. 13, 2021    | Jul. 12, 2022        | Radiation<br>(03CH03-CB) |
| Spectrum Analyzer             | R&S            | FSP40             | 100019              | 9kHz ~ 40GHz        | Jun. 04, 2021    | Jun. 03, 2022        | Radiation<br>(03CH03-CB) |
| RF Cable-high                 | Woken          | RG402             | High<br>Cable-20+29 | 1GHz ~ 18GHz        | Oct. 04, 2021    | Oct. 03, 2022        | Radiation<br>(03CH03-CB) |
| RF Cable-high                 | Woken          | RG402             | High Cable-29       | 1GHz ~ 18GHz        | Oct. 04, 2021    | Oct. 03, 2022        | Radiation<br>(03CH03-CB) |
| High Cable                    | Woken          | WCA0929M          | 40G#5+7             | 1GHz ~ 40 GHz       | Dec. 14, 2021    | Dec. 13, 2022        | Radiation<br>(03CH03-CB) |
| High Cable                    | Woken          | WCA0929M          | 40G#5               | 1GHz ~ 40 GHz       | Dec. 08, 2021    | Dec. 07, 2022        | Radiation<br>(03CH03-CB) |
| High Cable                    | Woken          | WCA0929M          | 40G#7               | 1GHz ~ 40 GHz       | Dec. 14, 2021    | Dec. 13, 2022        | Radiation<br>(03CH03-CB) |
| Test Software                 | SPORTON        | SENSE             | V5.10               | -                   | N.C.R.           | N.C.R.               | Radiation<br>(03CH03-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK            | SAC-3M            | 03CH04-CB           | 1GHz ~18GHz<br>3m   | Feb. 24, 2022    | Feb. 23, 2023        | Radiation<br>(03CH04-CB) |
| Horn Antenna                  | ETS • Lindgren | 3115              | 00143147            | 750MHz~<br>18GHz    | Oct. 25, 2021    | Oct. 24, 2022        | Radiation<br>(03CH04-CB) |
| Horn Antenna                  | Schwarzbeck    | BBHA 9170         | BBHA9170252         | 15GHz ~ 40GHz       | Aug. 05, 2021    | Aug. 04, 2022        | Radiation<br>(03CH04-CB) |
| Pre-Amplifier                 | Agilent        | 83017A            | MY53270063          | 0.5GHz ~<br>26.5GHz | Jul. 12, 2021    | Jul. 11, 2022        | Radiation<br>(03CH04-CB) |
| Pre-Amplifier                 | MITEQ          | TTA1840-35-H<br>G | 1864479             | 18GHz ~ 40GHz       | Jul. 13, 2021    | Jul. 12, 2022        | Radiation<br>(03CH04-CB) |
| Signal Analyzer               | R&S            | FSV40             | 101904              | 9kHz ~ 40GHz        | Apr. 15, 2021    | Apr. 14, 2022        | Radiation<br>(03CH04-CB) |



| Instrument        | Brand   | Model No. | Serial No.       | Characteristics | Calibration Date | Calibration Due Date | Remark                |
|-------------------|---------|-----------|------------------|-----------------|------------------|----------------------|-----------------------|
| Spectrum Analyzer | R&S     | FSP40     | 100142           | 9kHz~40GHz      | Mar. 28, 2022    | Mar. 27, 2023        | Radiation (03CH04-CB) |
| RF Cable-high     | Woken   | RG402     | High Cable-21    | 1GHz - 18GHz    | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH04-CB) |
| RF Cable-high     | Woken   | RG402     | High Cable-21+67 | 1GHz - 18GHz    | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH04-CB) |
| High Cable        | Woken   | WCA0929M  | 40G#5+7          | 1GHz ~ 40 GHz   | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH04-CB) |
| High Cable        | Woken   | WCA0929M  | 40G#5            | 1GHz ~ 40 GHz   | Dec. 08, 2021    | Dec. 07, 2022        | Radiation (03CH04-CB) |
| High Cable        | Woken   | WCA0929M  | 40G#7            | 1GHz ~ 40 GHz   | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH04-CB) |
| Test Software     | SPORTON | SENSE     | V5.10            | -               | N.C.R.           | N.C.R.               | Radiation (03CH04-CB) |
| Spectrum analyzer | R&S     | FSV40     | 100979           | 9kHz~40GHz      | May 21, 2021     | May 20, 2022         | 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)   |
| 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)   |

**RADIO TEST REPORT****Report No. : FR1D2822-01AA**

| Instrument    | Brand   | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark              |
|---------------|---------|-----------|------------|-----------------|------------------|----------------------|---------------------|
| Power Sensor  | Anritsu | MA2411B   | 1339408    | 300MHz~40GHz    | Sep. 06, 2021    | Sep. 05, 2022        | Conducted (TH01-CB) |
| Power Meter   | Anritsu | ML2495A   | 1517009    | 300MHz~40GHz    | Sep. 06, 2021    | Sep. 05, 2022        | 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

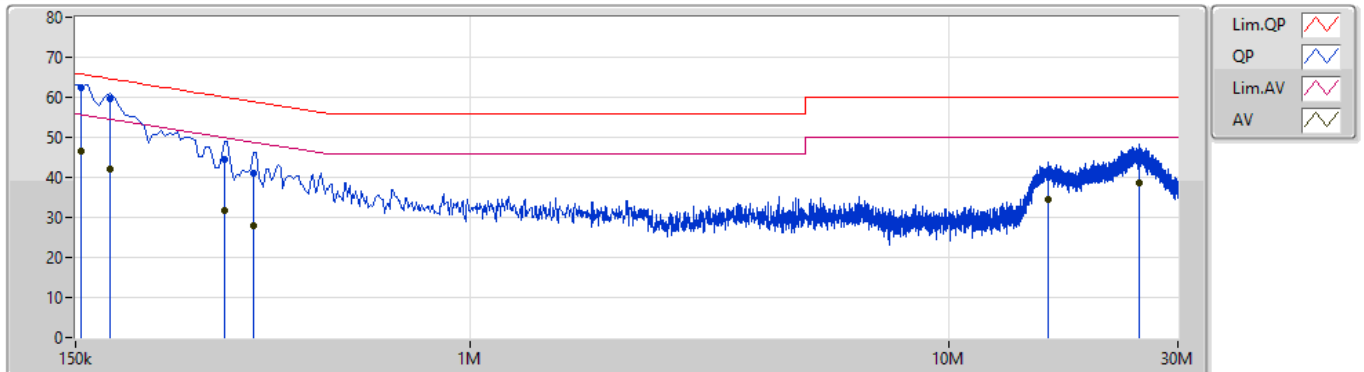
## Appendix A

### Summary

| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-----------------|-----------------|----------------|-----------|
| Mode 7 | Pass   | QP   | 154.5k       | 62.52           | 65.75           | -3.23          | Line      |

## Mode 7

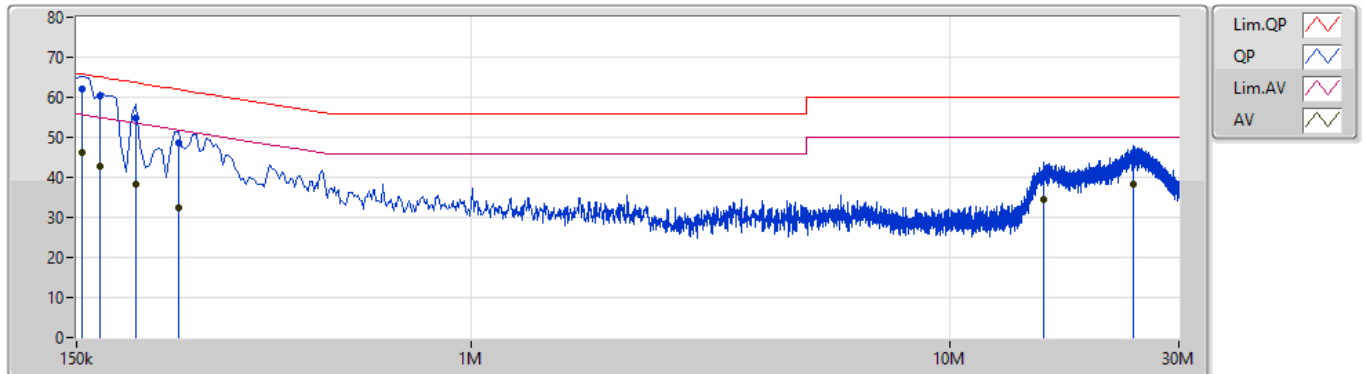
06/04/2022



| 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   | 154.5k       | 62.52           | 65.75           | -3.23          | 9.97           | Line      | "Worst" | 52.55         | 0.06         | 0.02       | 9.89       |  |  |  |
| AV   | 154.5k       | 46.62           | 55.75           | -9.13          | 9.97           | Line      | -       | 36.65         | 0.06         | 0.02       | 9.89       |  |  |  |
| QP   | 177k         | 59.56           | 64.62           | -5.06          | 9.97           | Line      | -       | 49.59         | 0.06         | 0.02       | 9.89       |  |  |  |
| AV   | 177k         | 41.92           | 54.62           | -12.70         | 9.97           | Line      | -       | 31.95         | 0.06         | 0.02       | 9.89       |  |  |  |
| QP   | 307.5k       | 44.35           | 60.03           | -15.68         | 9.97           | Line      | -       | 34.38         | 0.06         | 0.02       | 9.89       |  |  |  |
| AV   | 307.5k       | 31.69           | 50.03           | -18.34         | 9.97           | Line      | -       | 21.72         | 0.06         | 0.02       | 9.89       |  |  |  |
| QP   | 352.5k       | 40.94           | 58.91           | -17.97         | 9.97           | Line      | -       | 30.97         | 0.06         | 0.02       | 9.89       |  |  |  |
| AV   | 352.5k       | 28.03           | 48.91           | -20.88         | 9.97           | Line      | -       | 18.06         | 0.06         | 0.02       | 9.89       |  |  |  |
| QP   | 16.062M      | 40.36           | 60.00           | -19.64         | 10.32          | Line      | -       | 30.04         | 0.27         | 0.11       | 9.94       |  |  |  |
| AV   | 16.062M      | 34.39           | 50.00           | -15.61         | 10.32          | Line      | -       | 24.07         | 0.27         | 0.11       | 9.94       |  |  |  |
| QP   | 24.95M       | 44.33           | 60.00           | -15.67         | 10.52          | Line      | -       | 33.81         | 0.35         | 0.20       | 9.97       |  |  |  |
| AV   | 24.95M       | 38.48           | 50.00           | -11.52         | 10.52          | Line      | -       | 27.96         | 0.35         | 0.20       | 9.97       |  |  |  |

## Mode 7

06/04/2022



| 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   | 154.5k       | 62.10           | 65.75           | -3.65          | 9.98           | Neutral   | "Worst" | 52.12         | 0.07         | 0.02       | 9.89       |  |  |  |
| AV   | 154.5k       | 46.22           | 55.75           | -9.53          | 9.98           | Neutral   | -       | 36.24         | 0.07         | 0.02       | 9.89       |  |  |  |
| QP   | 168k         | 60.22           | 65.06           | -4.84          | 9.98           | Neutral   | -       | 50.24         | 0.07         | 0.02       | 9.89       |  |  |  |
| AV   | 168k         | 42.70           | 55.06           | -12.36         | 9.98           | Neutral   | -       | 32.72         | 0.07         | 0.02       | 9.89       |  |  |  |
| QP   | 199.5k       | 54.71           | 63.63           | -8.92          | 9.98           | Neutral   | -       | 44.73         | 0.07         | 0.02       | 9.89       |  |  |  |
| AV   | 199.5k       | 38.27           | 53.63           | -15.36         | 9.98           | Neutral   | -       | 28.29         | 0.07         | 0.02       | 9.89       |  |  |  |
| QP   | 244.5k       | 48.62           | 61.95           | -13.33         | 9.98           | Neutral   | -       | 38.64         | 0.07         | 0.02       | 9.89       |  |  |  |
| AV   | 244.5k       | 32.35           | 51.95           | -19.60         | 9.98           | Neutral   | -       | 22.37         | 0.07         | 0.02       | 9.89       |  |  |  |
| QP   | 15.698M      | 40.26           | 60.00           | -19.74         | 10.33          | Neutral   | -       | 29.93         | 0.28         | 0.11       | 9.94       |  |  |  |
| AV   | 15.698M      | 34.36           | 50.00           | -15.64         | 10.33          | Neutral   | -       | 24.03         | 0.28         | 0.11       | 9.94       |  |  |  |
| QP   | 24.041M      | 44.28           | 60.00           | -15.72         | 10.46          | Neutral   | -       | 33.82         | 0.30         | 0.19       | 9.97       |  |  |  |
| AV   | 24.041M      | 38.33           | 50.00           | -11.67         | 10.46          | Neutral   | -       | 27.87         | 0.30         | 0.19       | 9.97       |  |  |  |

**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)_1TX       | 8.05M            | 13.018M         | 13M0G1D  | 6.55M            | 12.894M         |
| 802.11g_Nss1,(6Mbps)_1TX       | 16.3M            | 16.467M         | 16M5D1D  | 16.05M           | 16.442M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 18.975M          | 18.941M         | 18M9D1D  | 18.7M            | 18.891M         |

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

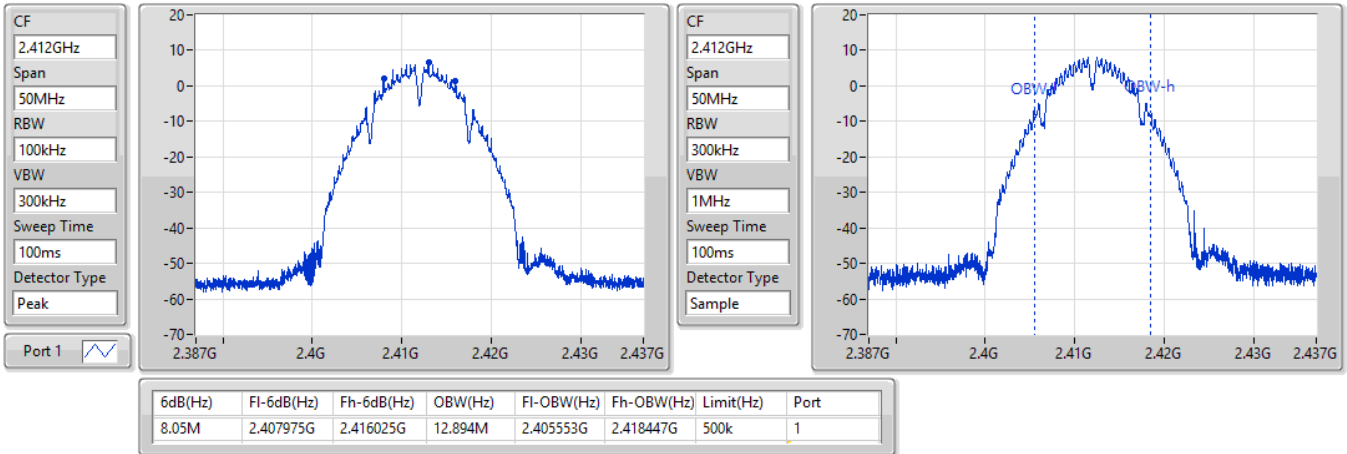
**Result**

| Mode                           | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|--------------------------------|--------|---------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -             | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 8.05M               | 12.894M            |
| 2437MHz                        | Pass   | 500k          | 6.55M               | 12.894M            |
| 2462MHz                        | Pass   | 500k          | 7.55M               | 13.018M            |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -             | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 16.3M               | 16.442M            |
| 2437MHz                        | Pass   | 500k          | 16.3M               | 16.442M            |
| 2462MHz                        | Pass   | 500k          | 16.05M              | 16.467M            |
| 802.11ax_HEW20_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 18.7M               | 18.891M            |
| 2437MHz                        | Pass   | 500k          | 18.975M             | 18.941M            |
| 2462MHz                        | Pass   | 500k          | 18.775M             | 18.941M            |

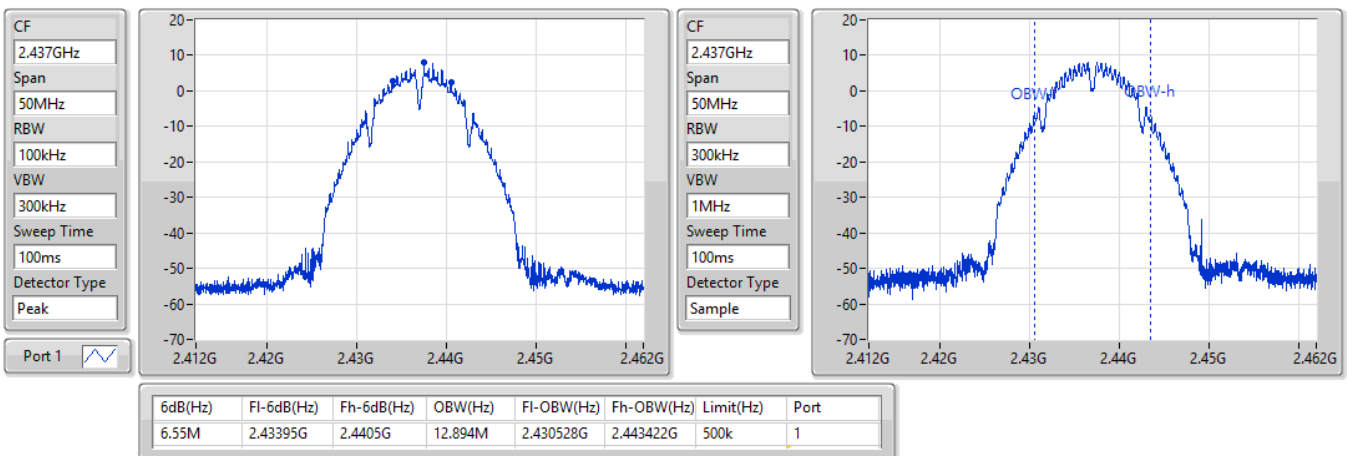
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2412MHz**

11/02/2022

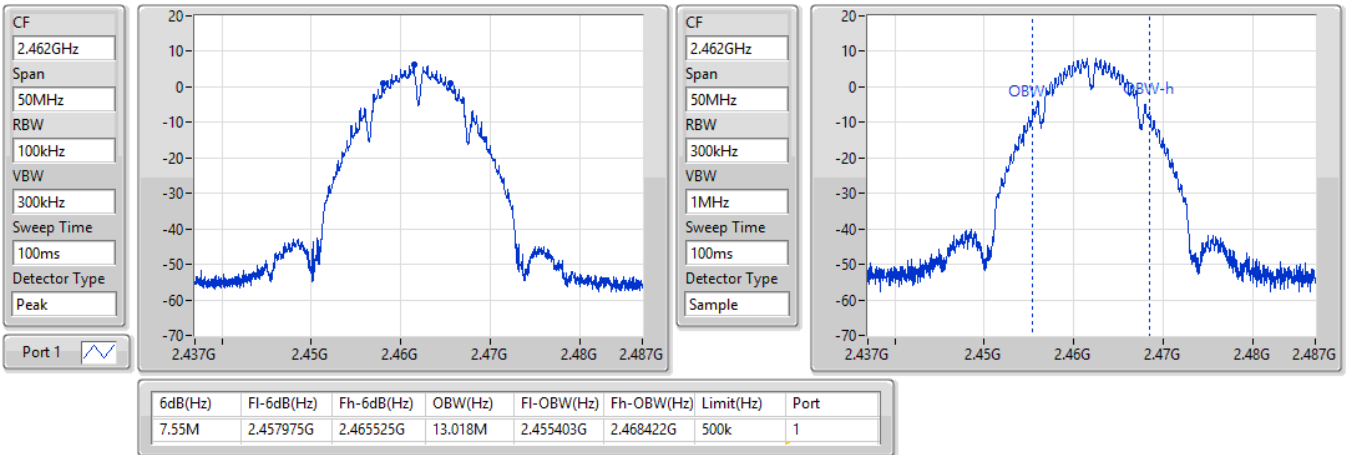

**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2437MHz**

11/02/2022

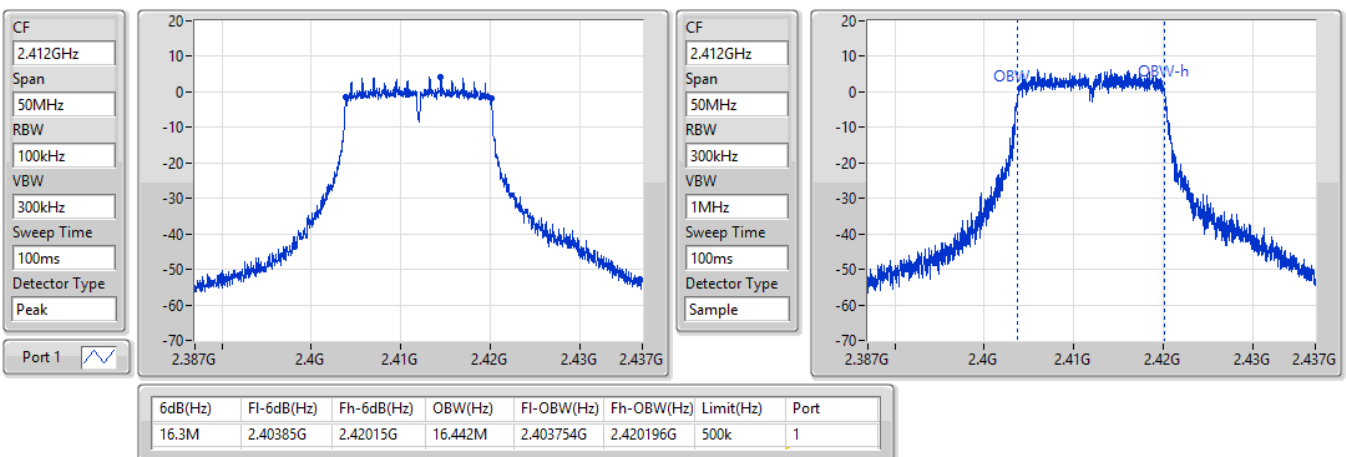


**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2462MHz**

11/02/2022

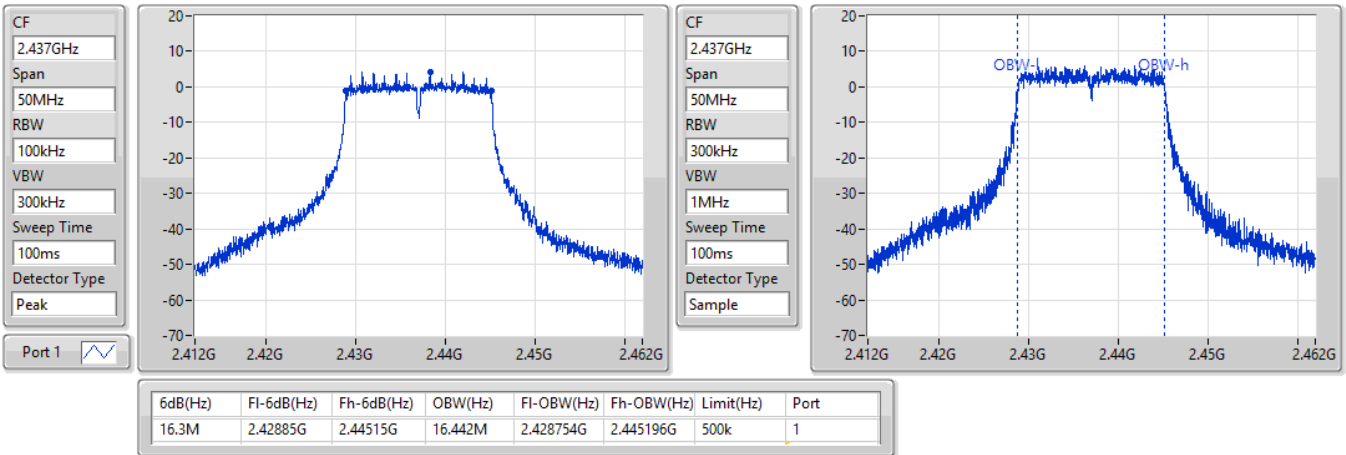

**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2412MHz**

11/02/2022

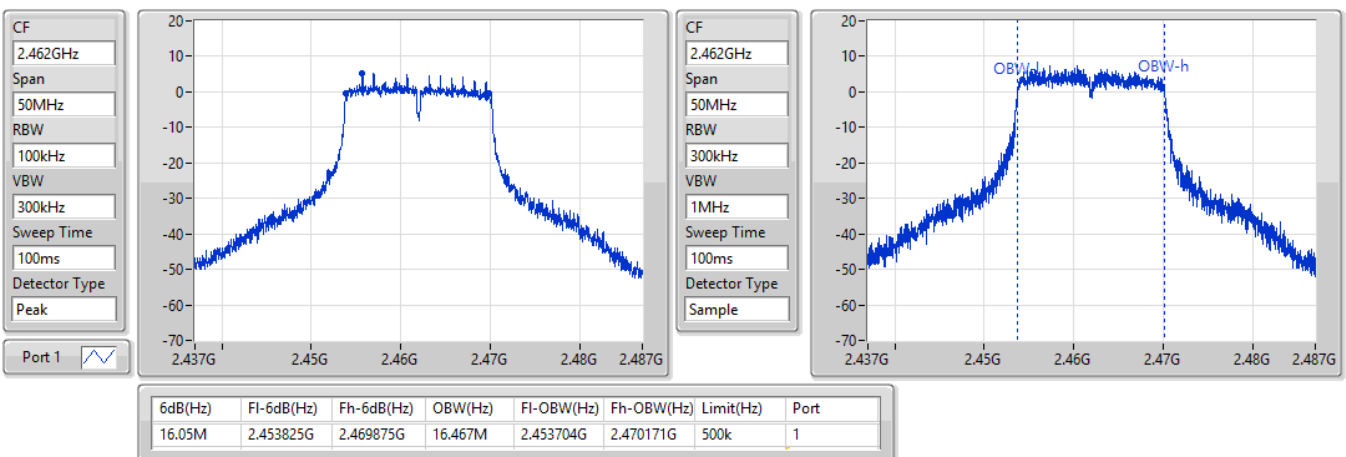


**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2437MHz**

11/02/2022

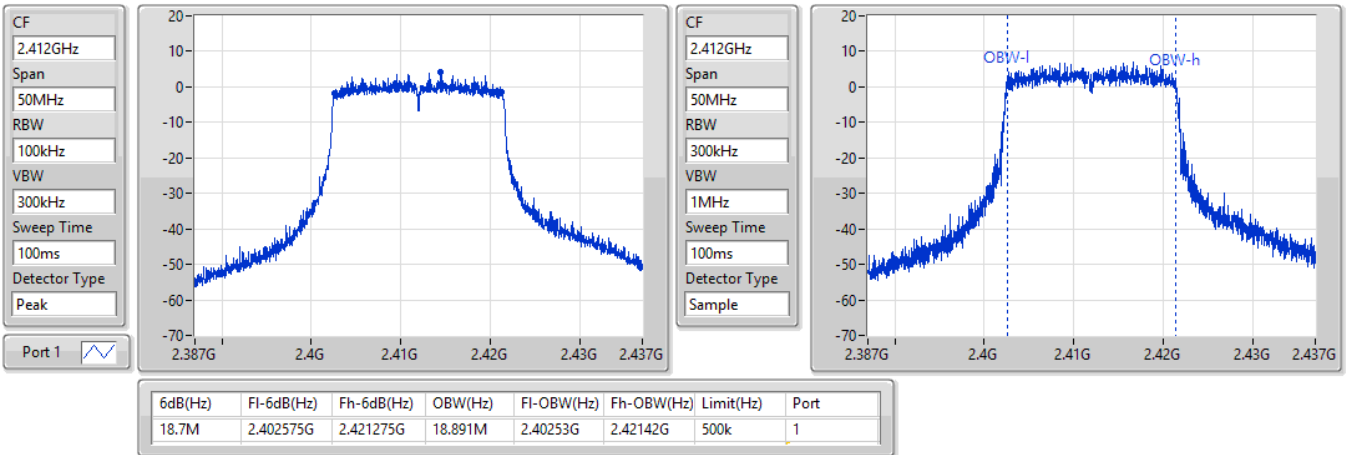

**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2462MHz**

12/02/2022

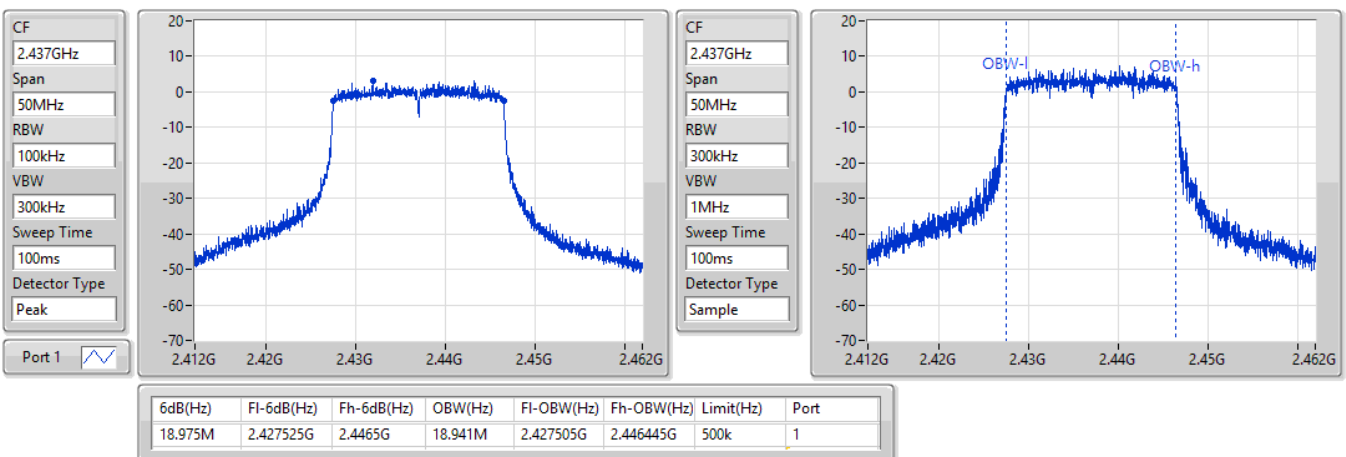


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**2412MHz**

11/02/2022


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**2437MHz**

11/02/2022

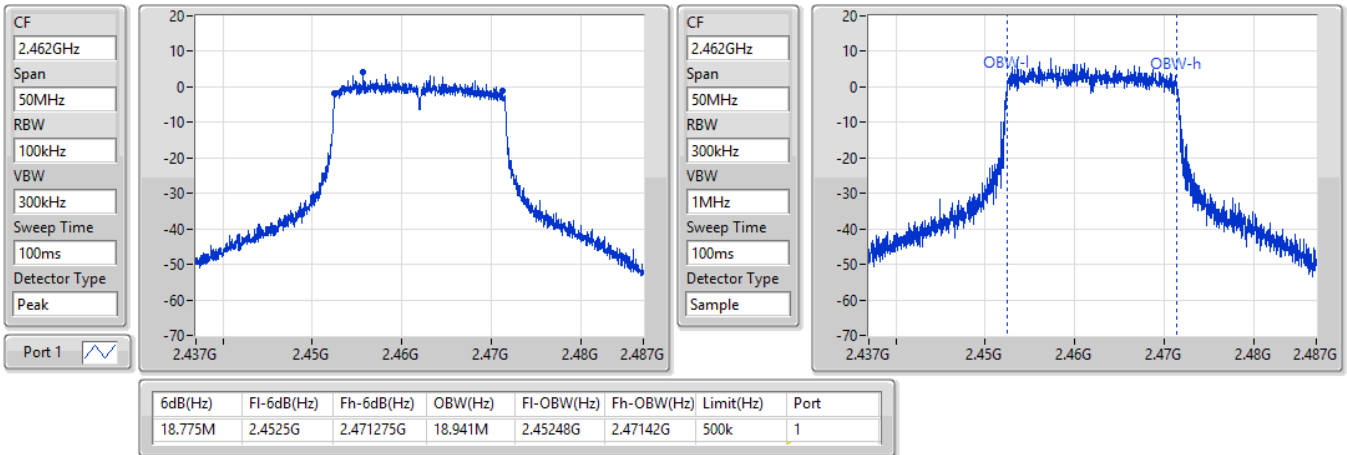


# 802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

2462MHz

12/02/2022



**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                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | 8.525M           | 13.043M         | 13M0G1D  | 6.575M           | 12.769M         |
| 802.11g_Nss1,(6Mbps)_2TX       | 16.325M          | 16.517M         | 16M5D1D  | 15.95M           | 16.392M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 18.9M            | 18.966M         | 19M0D1D  | 18.575M          | 18.916M         |

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

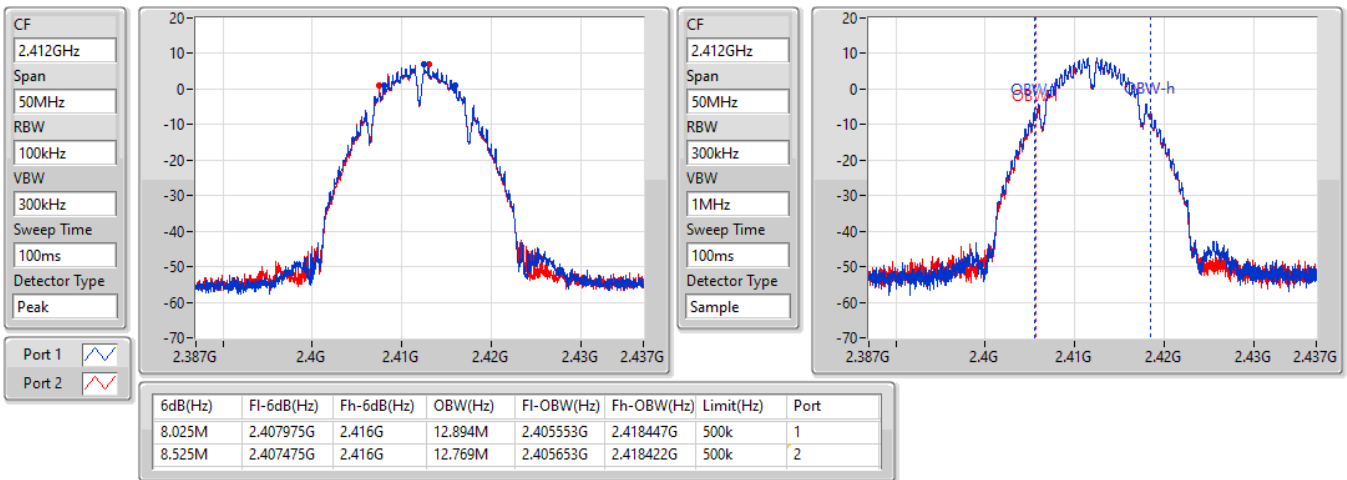
**Result**

| 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) |
|--------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 8.025M              | 12.894M            | 8.525M              | 12.769M            |
| 2437MHz                        | Pass   | 500k          | 8.525M              | 12.919M            | 8.05M               | 12.894M            |
| 2462MHz                        | Pass   | 500k          | 6.575M              | 13.043M            | 8.05M               | 12.969M            |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 16.3M               | 16.392M            | 15.95M              | 16.442M            |
| 2437MHz                        | Pass   | 500k          | 16.325M             | 16.442M            | 16.3M               | 16.442M            |
| 2462MHz                        | Pass   | 500k          | 16.05M              | 16.442M            | 16.025M             | 16.517M            |
| 802.11ax_HEW20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 18.725M             | 18.941M            | 18.85M              | 18.916M            |
| 2437MHz                        | Pass   | 500k          | 18.85M              | 18.966M            | 18.9M               | 18.941M            |
| 2462MHz                        | Pass   | 500k          | 18.675M             | 18.941M            | 18.575M             | 18.941M            |

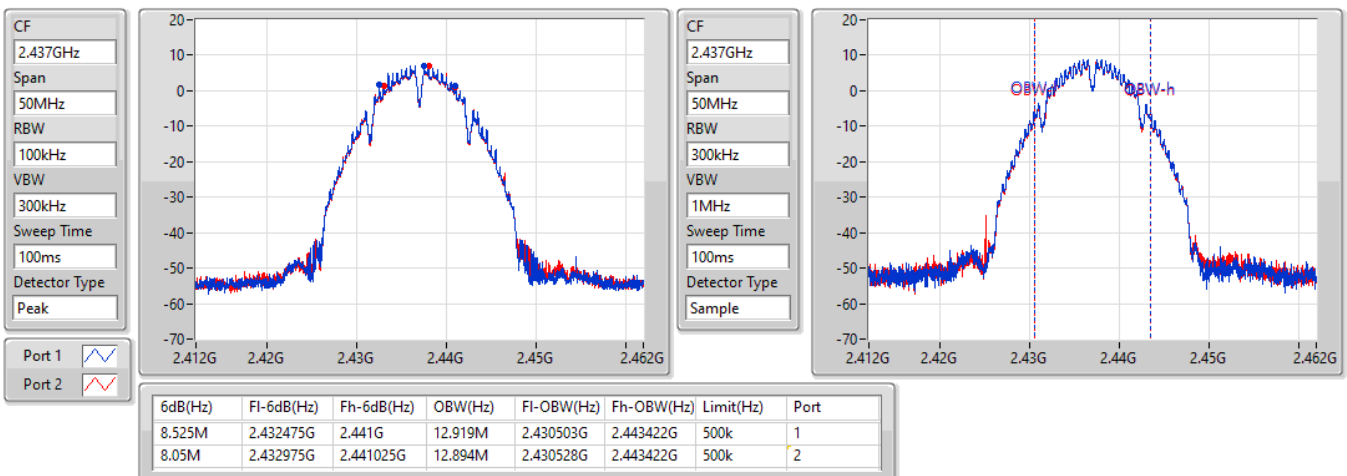
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2412MHz**

21/01/2022

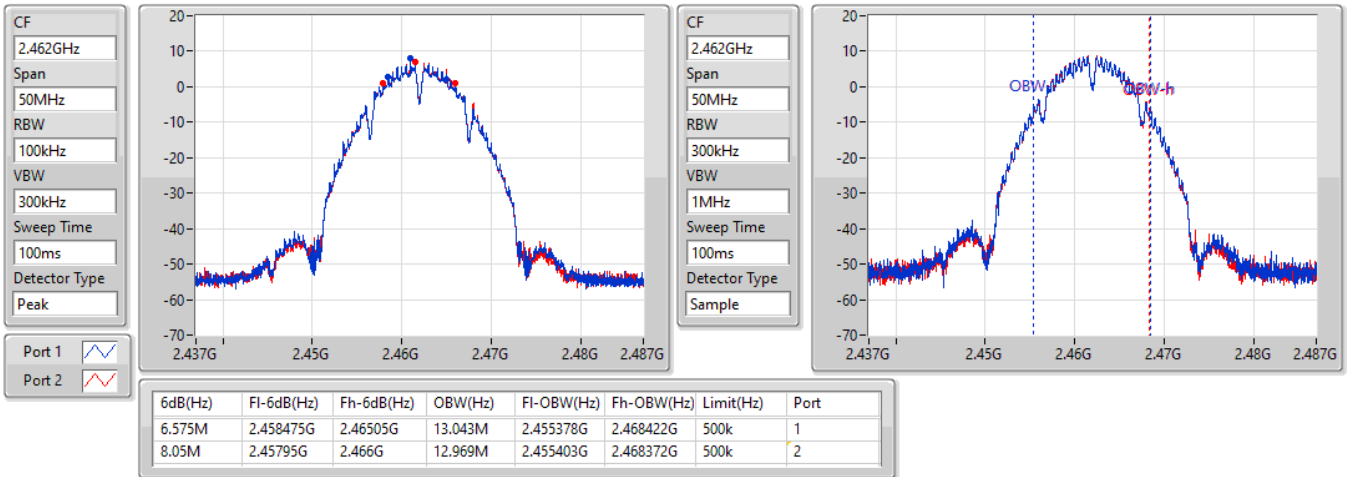

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2437MHz**

21/01/2022

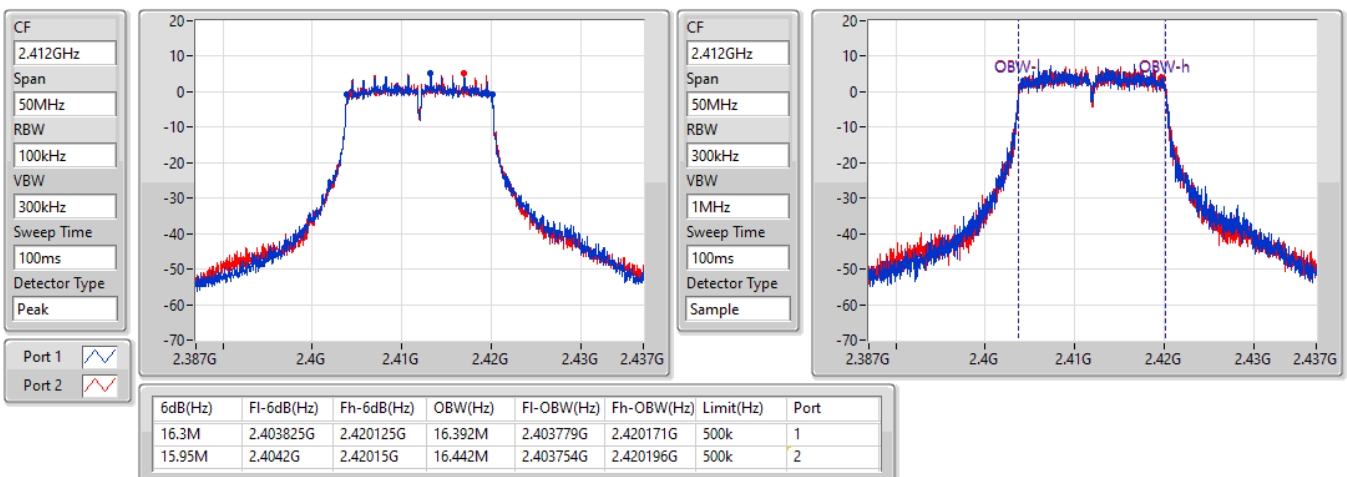


**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2462MHz**

21/01/2022

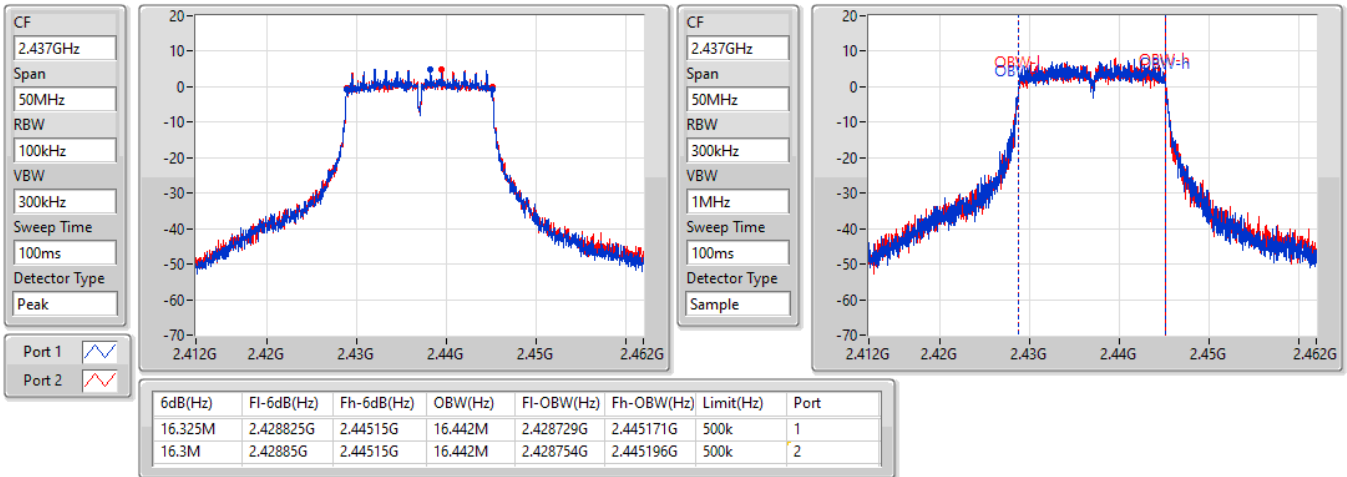

**802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2412MHz**

21/01/2022

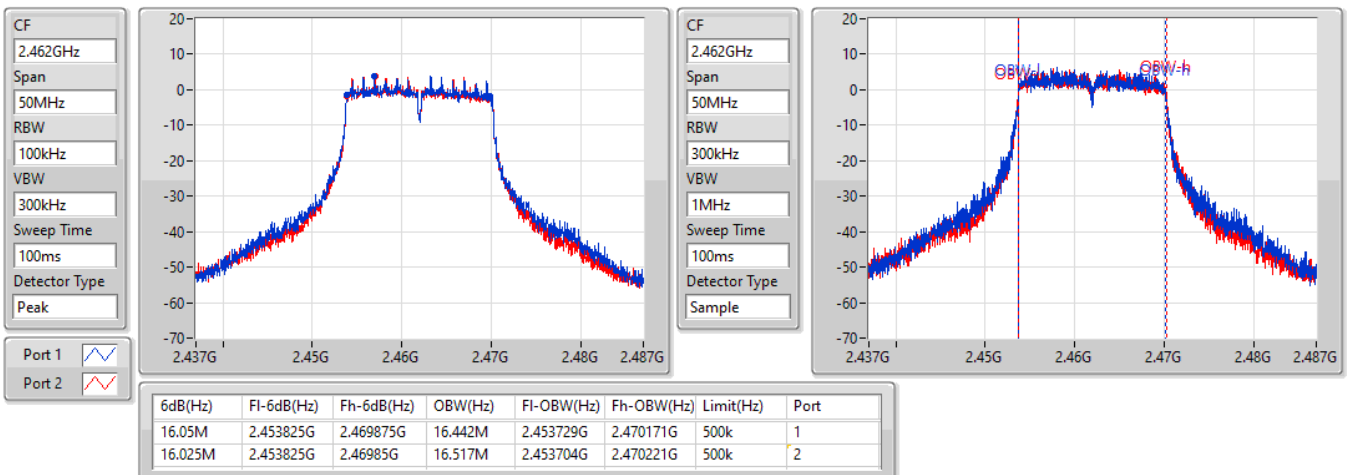


**802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2437MHz**

21/01/2022

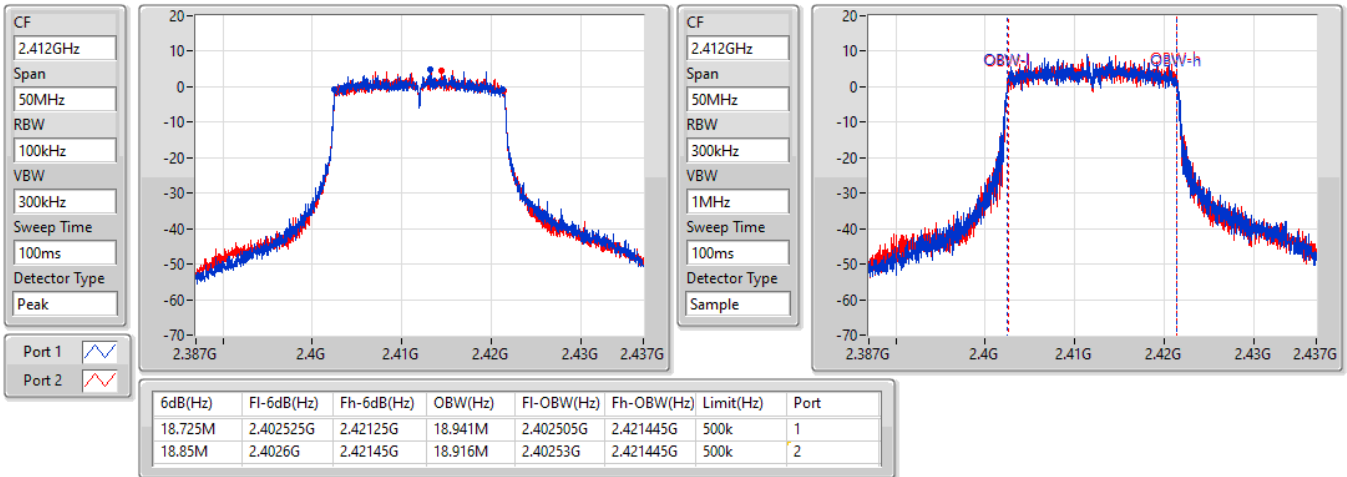

**802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2462MHz**

21/01/2022

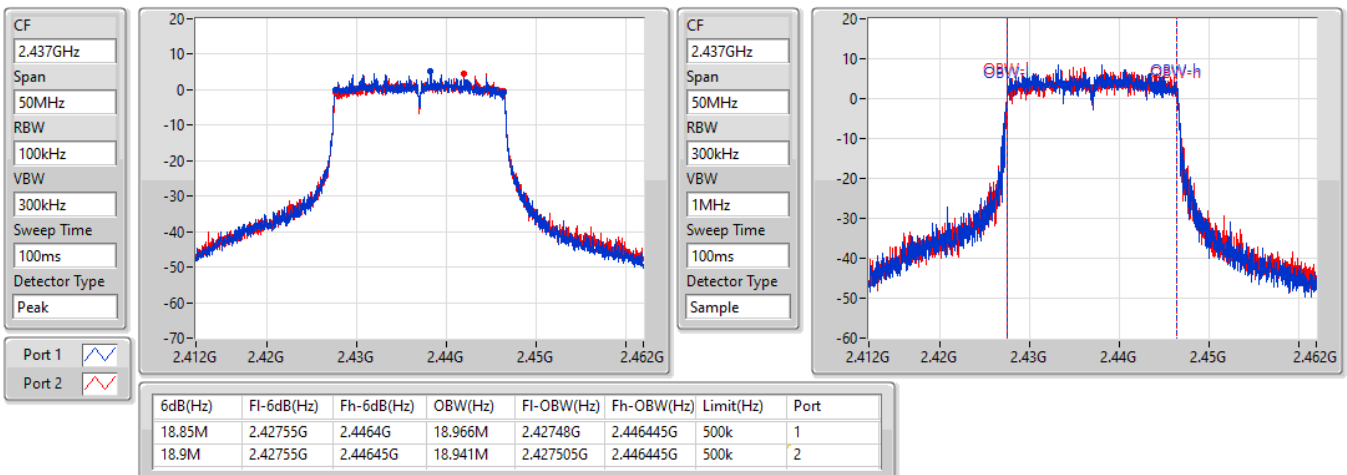


**802.11ax HEW20\_Nss1,(MCS0)\_2TX**
**EBW**
**2412MHz**

21/01/2022


**802.11ax HEW20\_Nss1,(MCS0)\_2TX**
**EBW**
**2437MHz**

21/01/2022

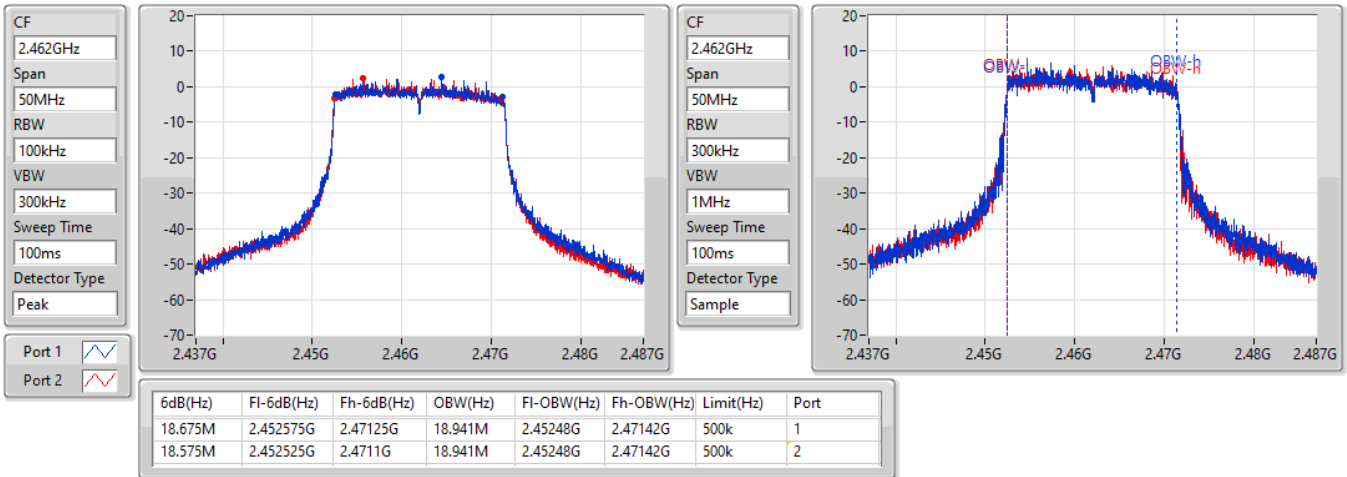


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2462MHz

21/01/2022



**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                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_4TX       | 8.55M            | 13.068M         | 13M1G1D  | 6.55M            | 12.744M         |
| 802.11g_Nss1,(6Mbps)_4TX       | 16.3M            | 16.517M         | 16M5D1D  | 15.725M          | 16.392M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 18.95M           | 18.991M         | 19M0D1D  | 18.25M           | 18.891M         |

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

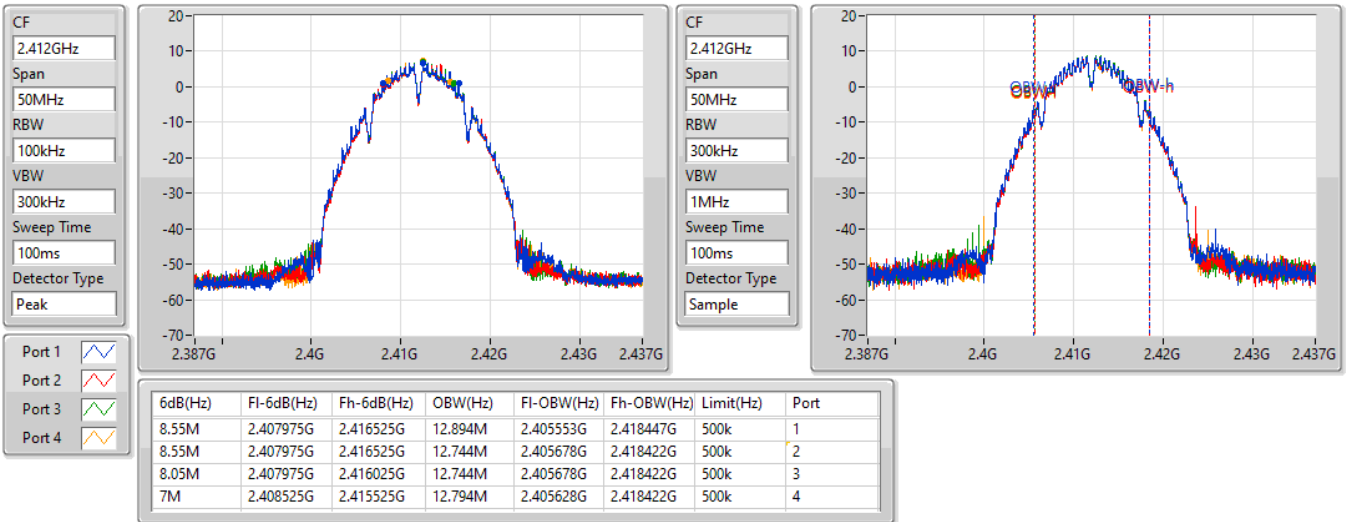
**Result**

| 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       | 8.55M            | 12.894M         | 8.55M            | 12.744M         | 8.05M            | 12.744M         | 7M               | 12.794M         |
| 2437MHz                        | Pass   | 500k       | 7.025M           | 12.919M         | 6.55M            | 12.869M         | 8.025M           | 12.919M         | 8.025M           | 12.944M         |
| 2462MHz                        | Pass   | 500k       | 7.025M           | 13.068M         | 7.575M           | 12.994M         | 7.05M            | 12.919M         | 8.05M            | 12.894M         |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 2412MHz                        | Pass   | 500k       | 16.3M            | 16.417M         | 16.275M          | 16.392M         | 16.3M            | 16.442M         | 16.3M            | 16.467M         |
| 2437MHz                        | Pass   | 500k       | 16.3M            | 16.467M         | 16.3M            | 16.442M         | 16.3M            | 16.442M         | 16.3M            | 16.467M         |
| 2462MHz                        | Pass   | 500k       | 16.3M            | 16.492M         | 15.725M          | 16.442M         | 16.05M           | 16.517M         | 16.3M            | 16.417M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 2412MHz                        | Pass   | 500k       | 18.45M           | 18.916M         | 18.8M            | 18.916M         | 18.875M          | 18.891M         | 18.775M          | 18.891M         |
| 2437MHz                        | Pass   | 500k       | 18.95M           | 18.916M         | 18.25M           | 18.916M         | 18.625M          | 18.916M         | 18.825M          | 18.991M         |
| 2462MHz                        | Pass   | 500k       | 18.675M          | 18.891M         | 18.825M          | 18.916M         | 18.675M          | 18.966M         | 18.35M           | 18.891M         |

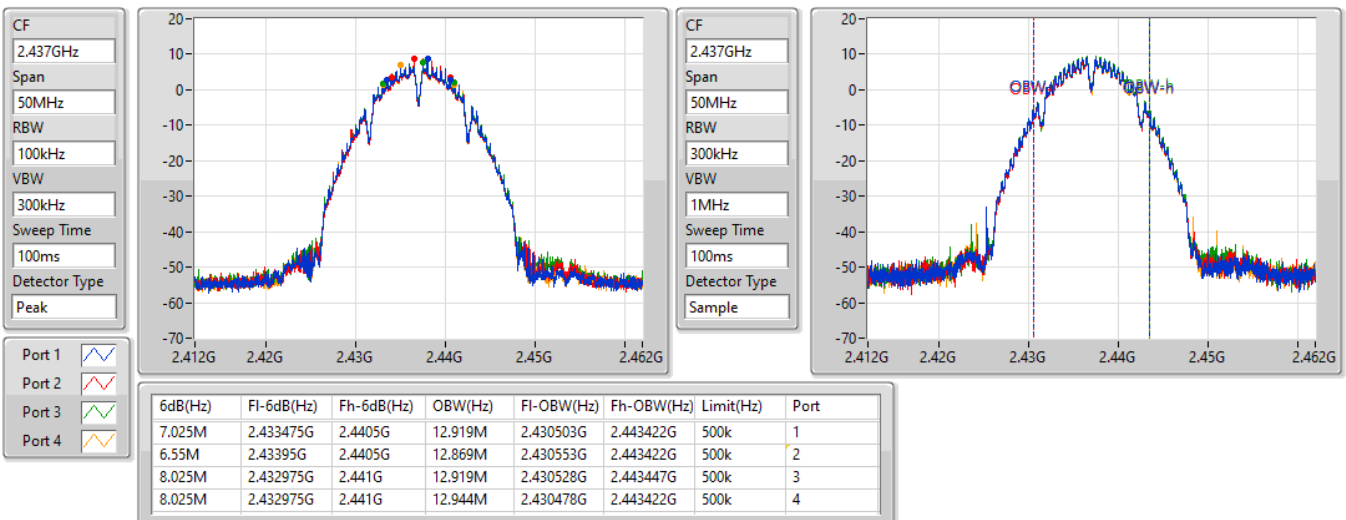
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

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

21/01/2022

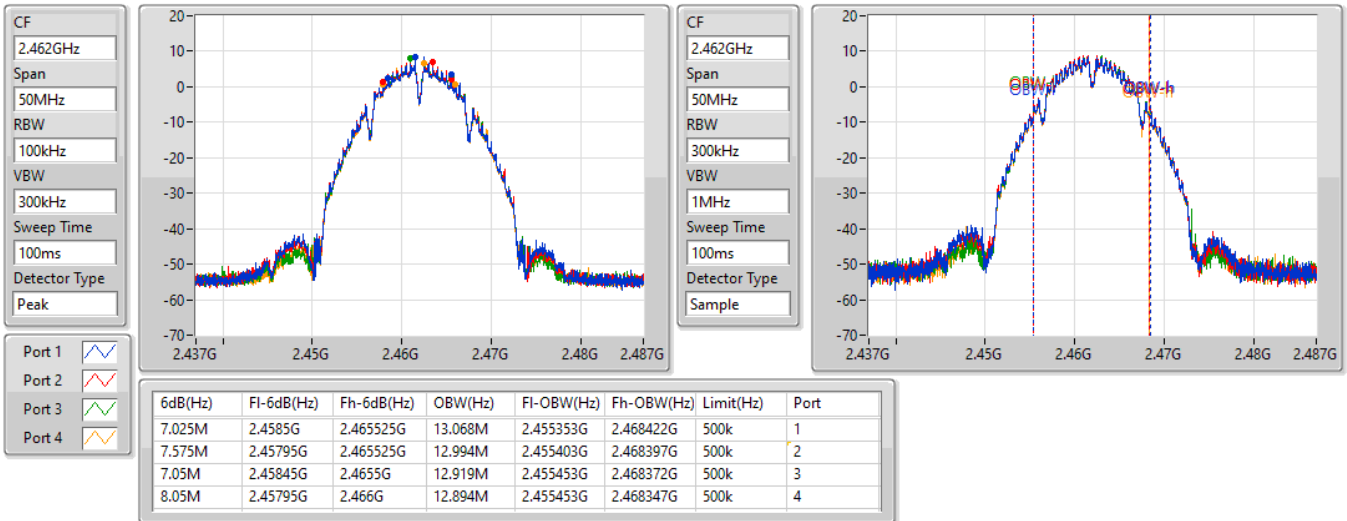

**802.11b\_Nss1,(1Mbps)\_4TX**
**EBW**
**2437MHz**

21/01/2022

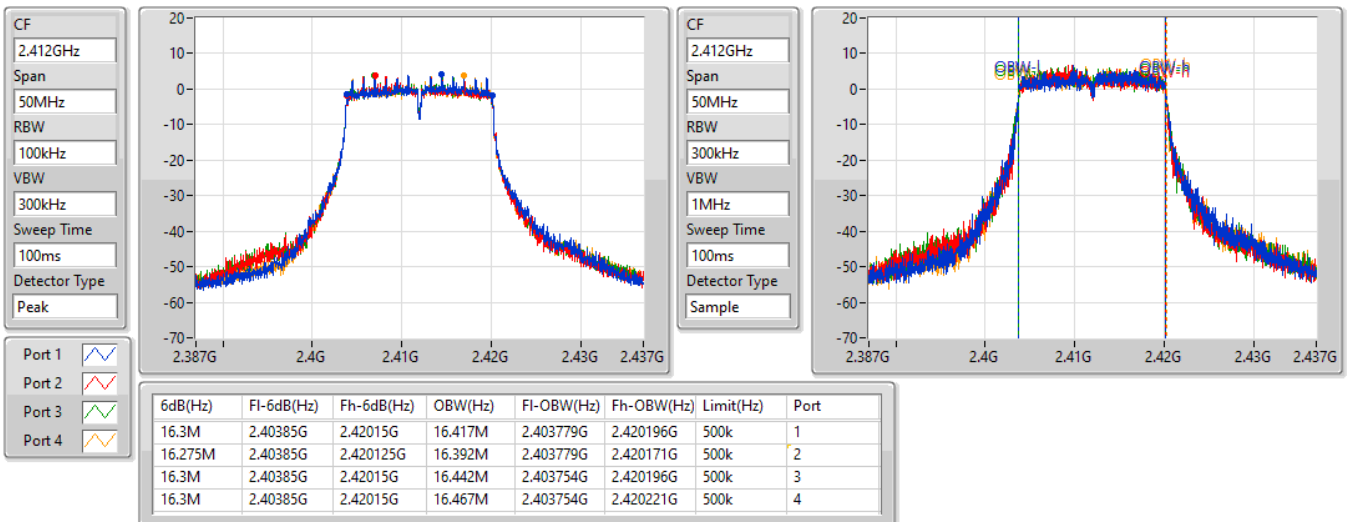


**802.11b\_Nss1,(1Mbps)\_4TX**
**EBW**
**2462MHz**

21/01/2022

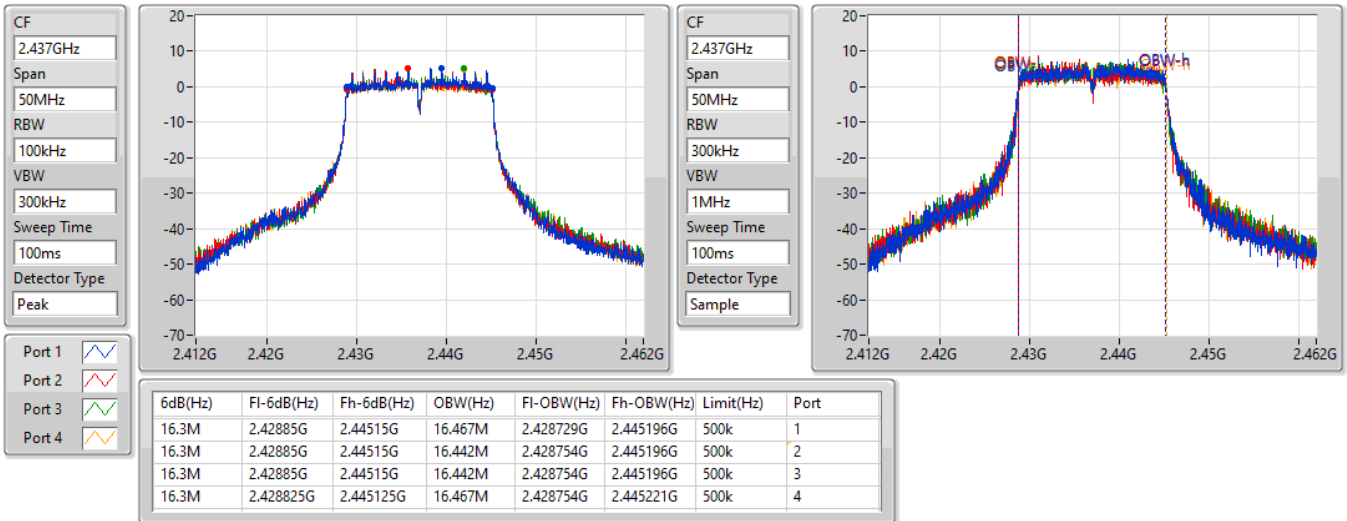

**802.11g\_Nss1,(6Mbps)\_4TX**
**EBW**
**2412MHz**

21/01/2022

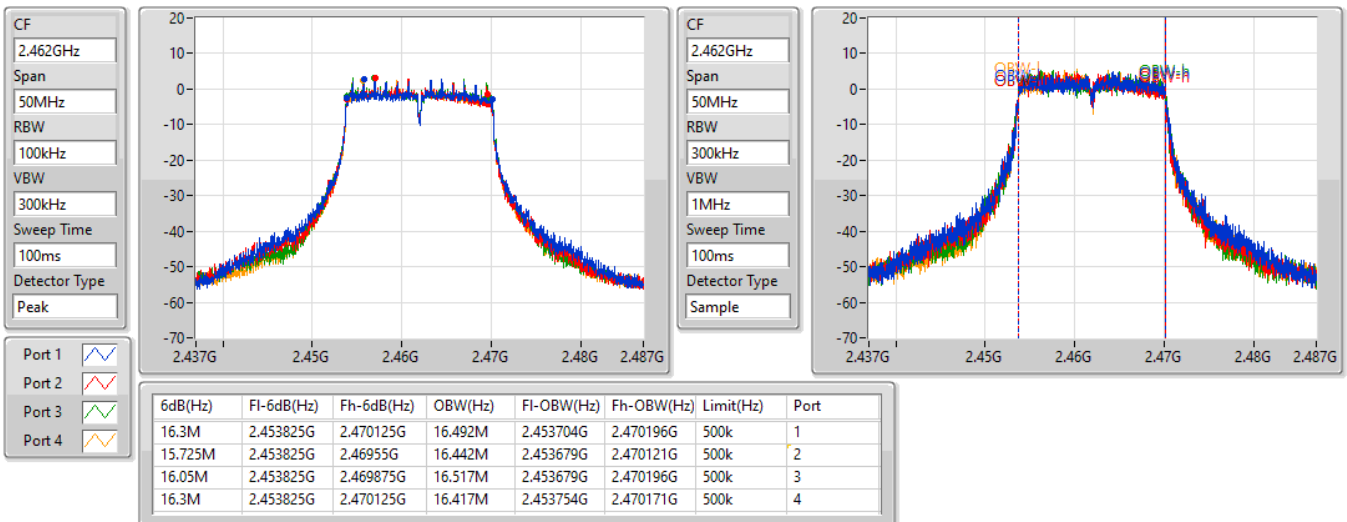


**802.11g\_Nss1,(6Mbps)\_4TX**
**EBW**
**2437MHz**

21/01/2022

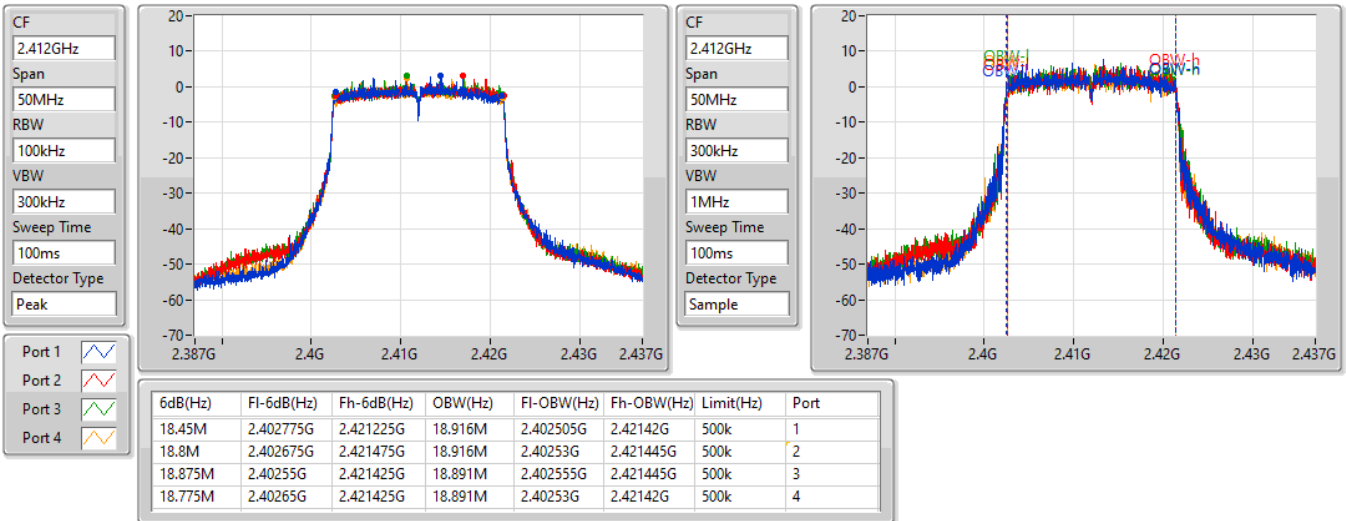

**802.11g\_Nss1,(6Mbps)\_4TX**
**EBW**
**2462MHz**

21/01/2022

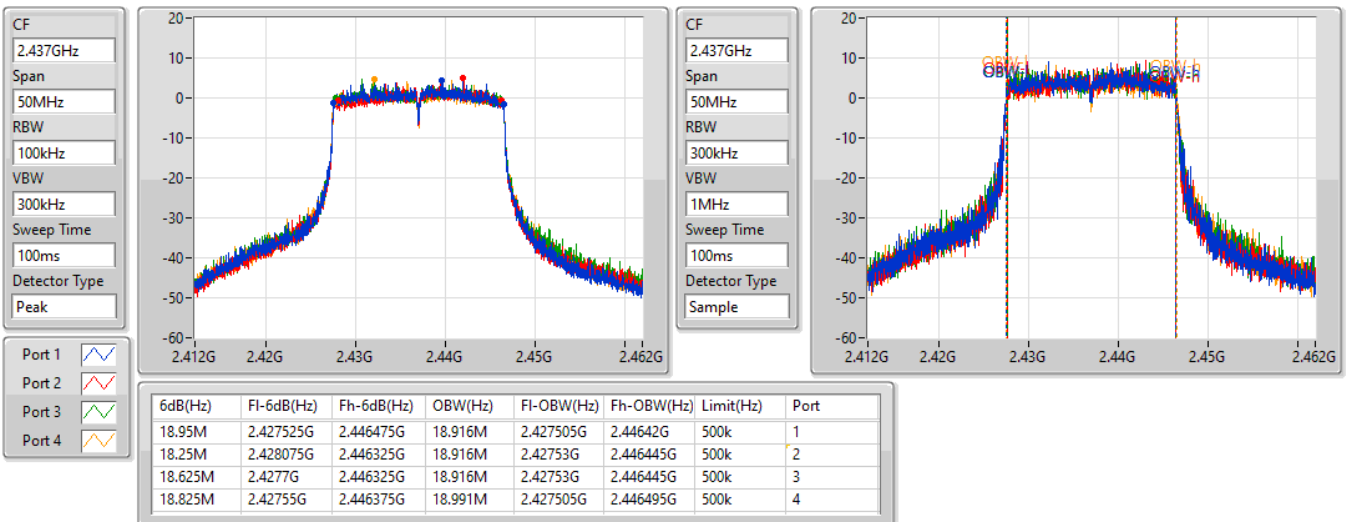


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**2412MHz**

21/01/2022


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

21/01/2022

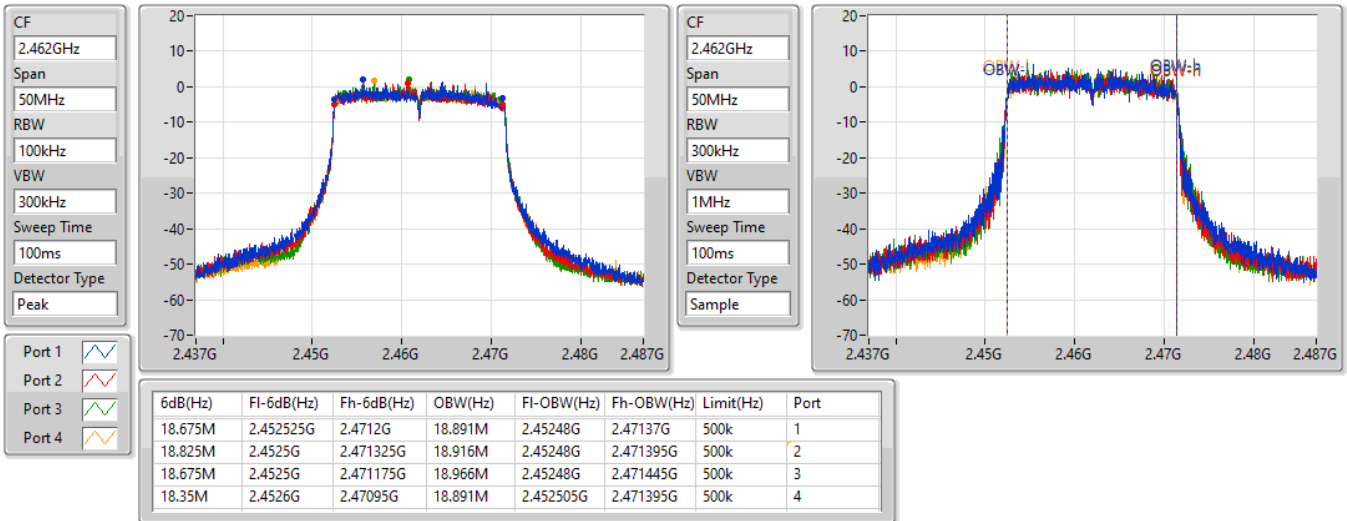


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

2462MHz

21/01/2022



**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                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_1TX       | 8.1M             | 13.068M         | 13M1G1D  | 7.025M           | 13.043M         |
| 802.11g_Nss1,(6Mbps)_1TX       | 16.35M           | 16.667M         | 16M7D1D  | 16.35M           | 16.617M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 19.05M           | 19.09M          | 19M1D1D  | 19.025M          | 19.04M          |

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

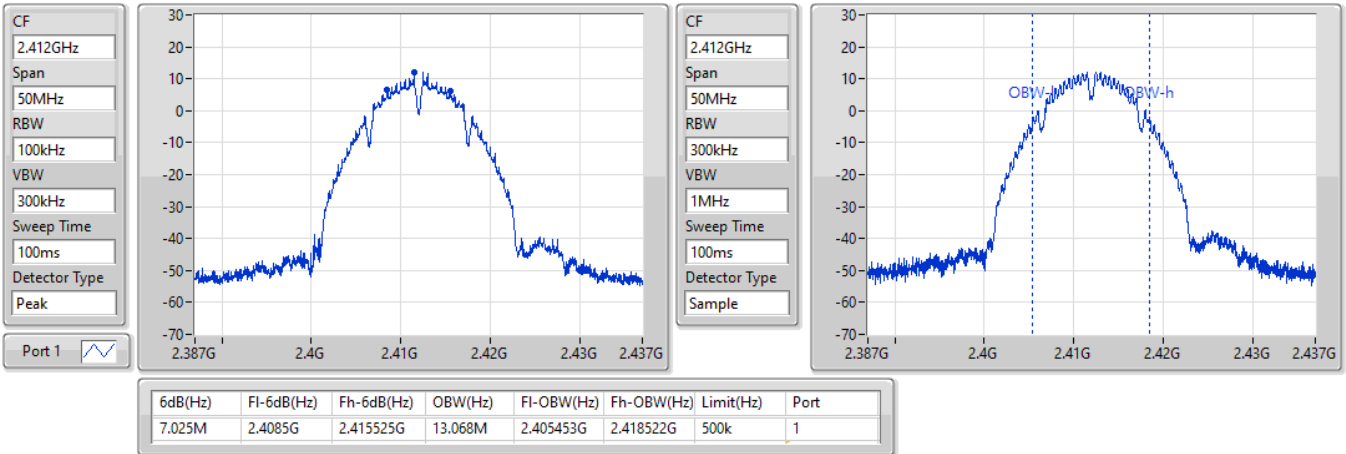
**Result**

| Mode                           | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|--------------------------------|--------|---------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -             | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 7.025M              | 13.068M            |
| 2437MHz                        | Pass   | 500k          | 8.1M                | 13.043M            |
| 2462MHz                        | Pass   | 500k          | 7.525M              | 13.043M            |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -             | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 16.35M              | 16.667M            |
| 2437MHz                        | Pass   | 500k          | 16.35M              | 16.617M            |
| 2462MHz                        | Pass   | 500k          | 16.35M              | 16.642M            |
| 802.11ax_HEW20_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 19.025M             | 19.09M             |
| 2437MHz                        | Pass   | 500k          | 19.05M              | 19.09M             |
| 2462MHz                        | Pass   | 500k          | 19.05M              | 19.04M             |

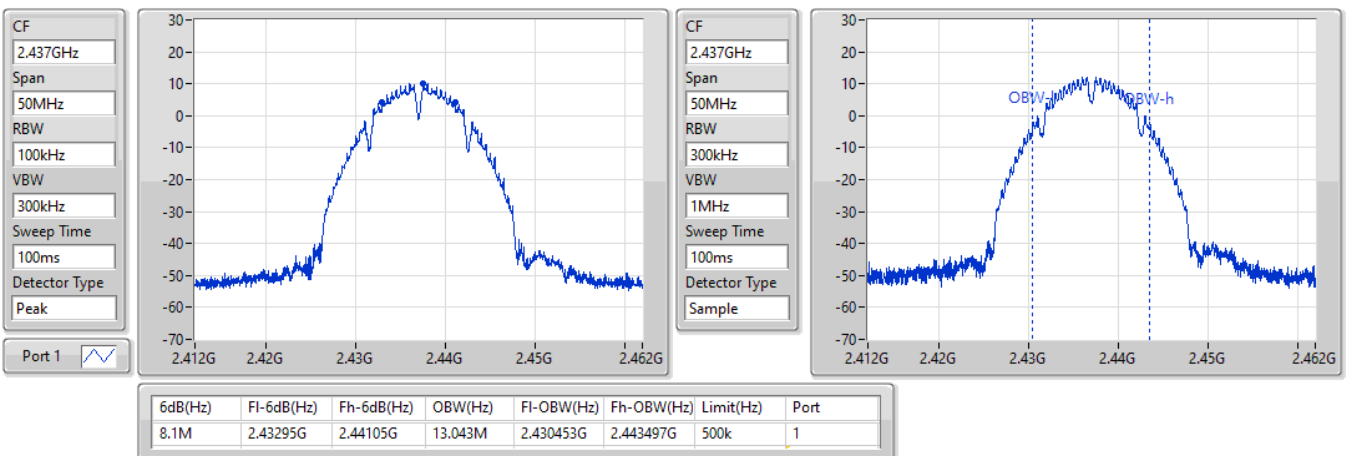
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2412MHz**

01/03/2022

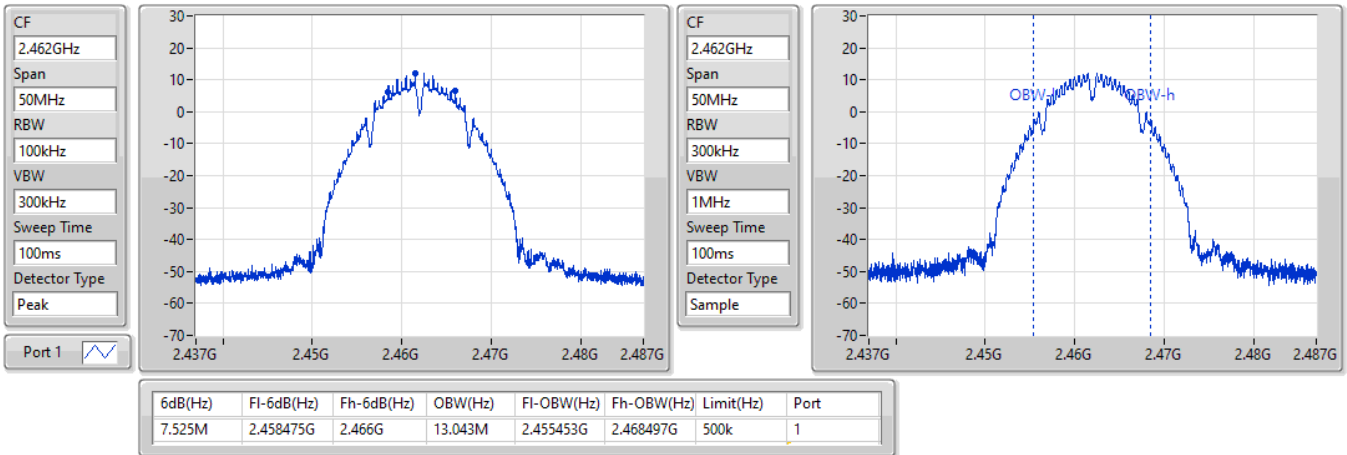

**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2437MHz**

01/03/2022

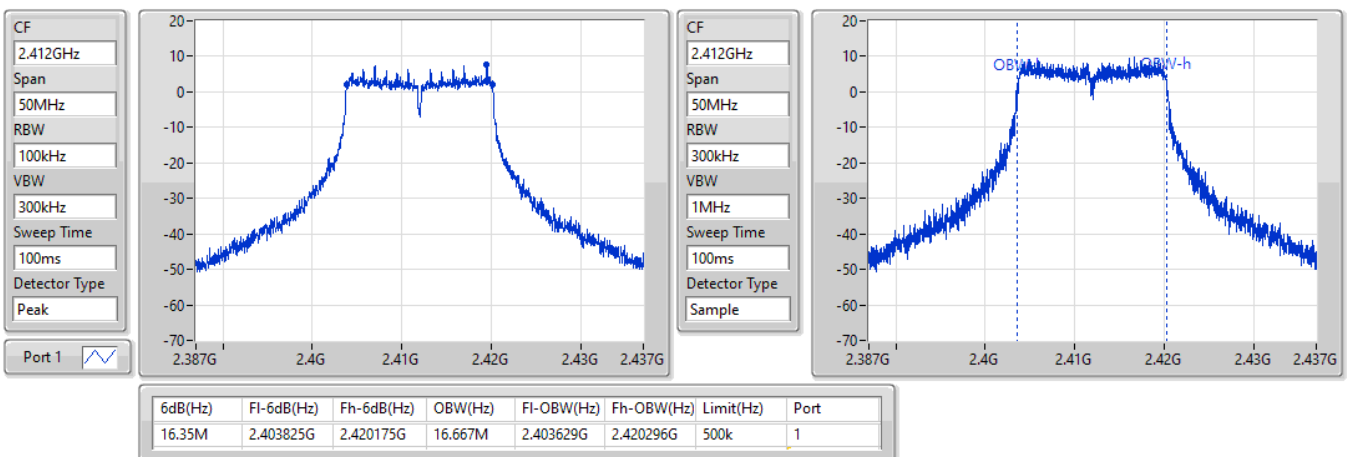


**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2462MHz**

01/03/2022

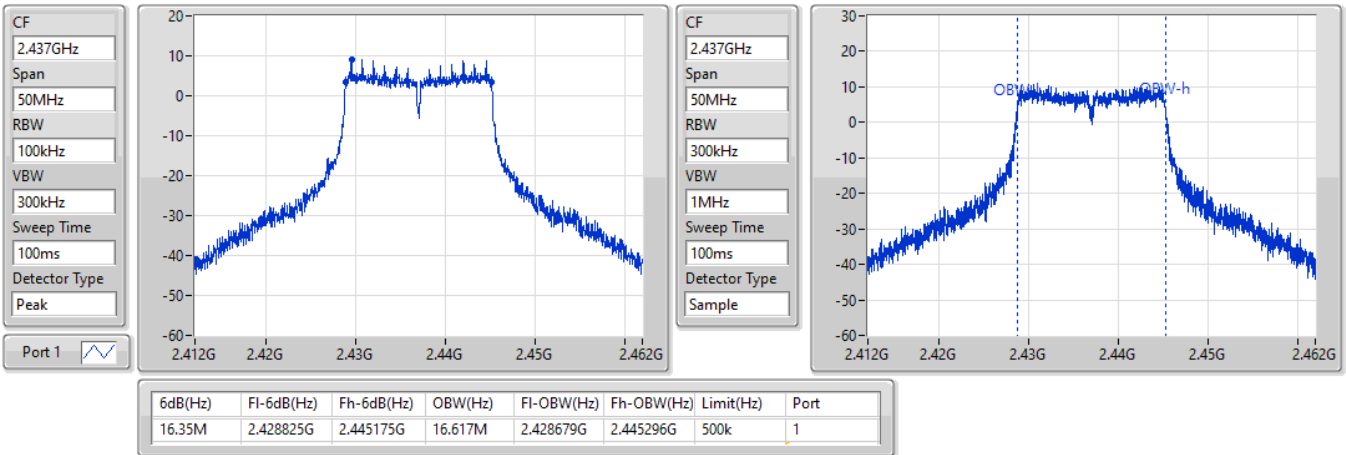

**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2412MHz**

01/03/2022

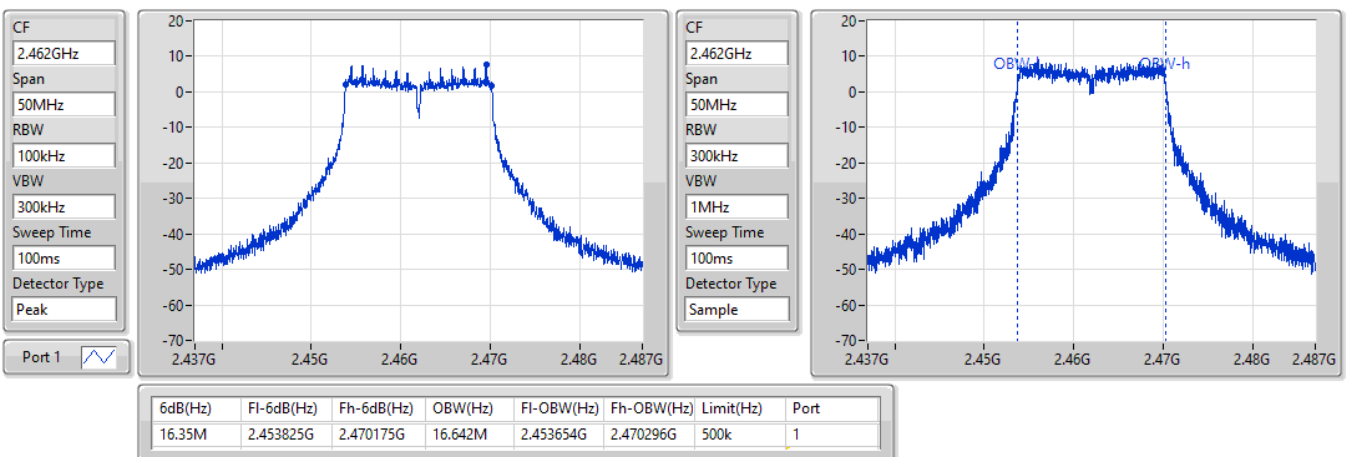


**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2437MHz**

01/03/2022

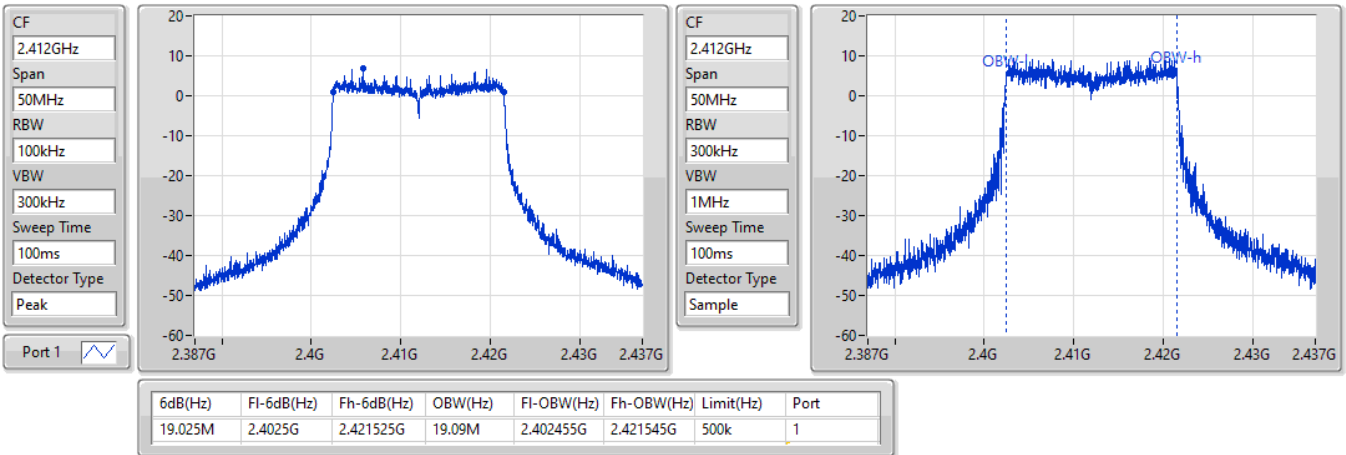

**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2462MHz**

01/03/2022

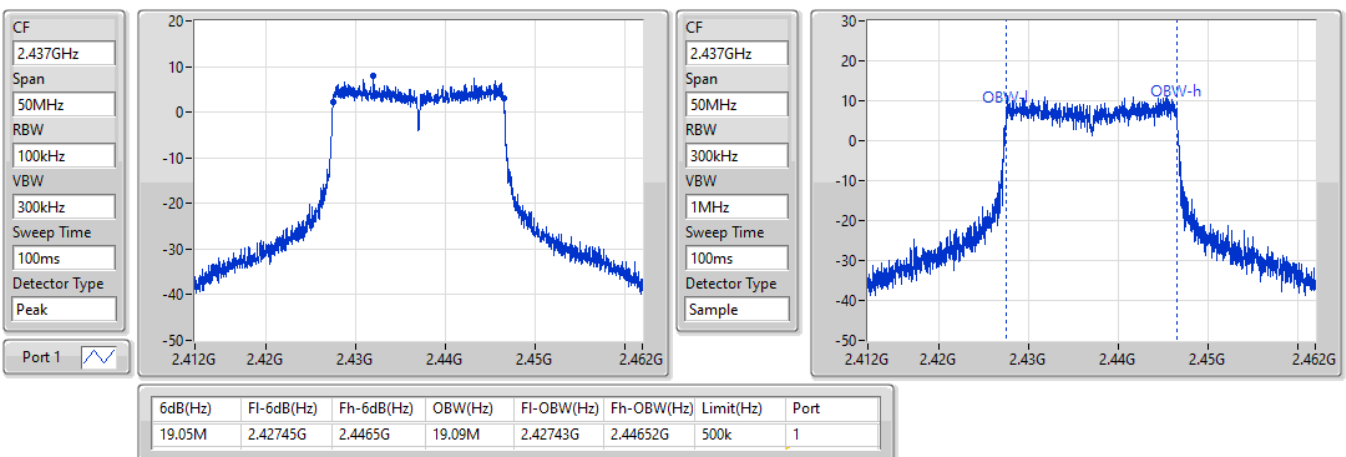


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**2412MHz**

01/03/2022


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**2437MHz**

01/03/2022

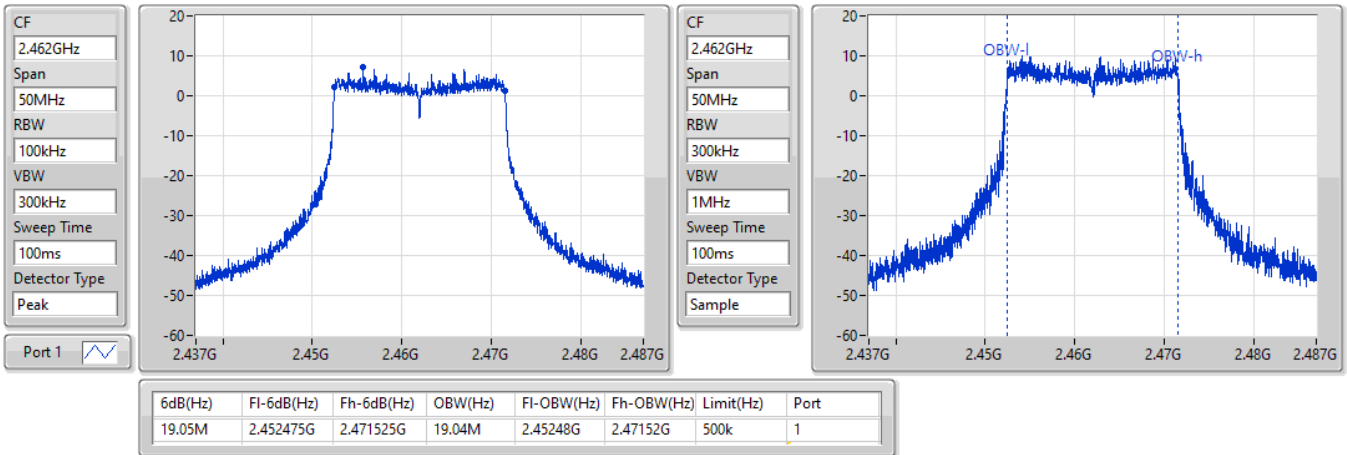


# 802.11ax HEW20\_Nss1,(MCS0)\_1TX

2462MHz

EBW

01/03/2022



**<Non-Beamforming Mode>****Summary**

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_1TX       | 17.75                | 0.05957            |
| 802.11g_Nss1,(6Mbps)_1TX       | 17.56                | 0.05702            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 17.86                | 0.06109            |

## Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -           | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.62        | 17.52           | 17.52                | 30.00                |
| 2437MHz                        | Pass   | 2.62        | 17.75           | 17.75                | 30.00                |
| 2462MHz                        | Pass   | 2.62        | 17.62           | 17.62                | 30.00                |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -           | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.62        | 17.33           | 17.33                | 30.00                |
| 2437MHz                        | Pass   | 2.62        | 17.56           | 17.56                | 30.00                |
| 2462MHz                        | Pass   | 2.62        | 17.55           | 17.55                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.62        | 17.52           | 17.52                | 30.00                |
| 2437MHz                        | Pass   | 2.62        | 17.86           | 17.86                | 30.00                |
| 2462MHz                        | Pass   | 2.62        | 15.71           | 15.71                | 30.00                |

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

**<Non-Beamforming Mode>****Summary**

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX       | 20.37                | 0.10889            |
| 802.11g_Nss1,(6Mbps)_2TX       | 20.18                | 0.10423            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 20.30                | 0.10715            |

## Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.79        | 17.11           | 17.09           | 20.11                | 30.00                |
| 2437MHz                        | Pass   | 2.79        | 17.48           | 17.23           | 20.37                | 30.00                |
| 2462MHz                        | Pass   | 2.79        | 17.11           | 17.38           | 20.26                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.79        | 15.08           | 15.09           | 18.10                | 30.00                |
| 2437MHz                        | Pass   | 2.79        | 17.26           | 17.08           | 20.18                | 30.00                |
| 2462MHz                        | Pass   | 2.79        | 14.83           | 14.72           | 17.79                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.79        | 15.05           | 15.11           | 18.09                | 30.00                |
| 2437MHz                        | Pass   | 2.79        | 17.38           | 17.19           | 20.30                | 30.00                |
| 2462MHz                        | Pass   | 2.79        | 13.94           | 14.02           | 16.99                | 30.00                |

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



**<Beamforming Mode>**

**Summary**

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 20.30                | 0.10715            |

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 4.29        | 15.05           | 15.11           | 18.09                | 30.00                |
| 2437MHz                           | Pass   | 4.29        | 17.38           | 17.19           | 20.30                | 30.00                |
| 2462MHz                           | Pass   | 4.29        | 13.94           | 14.02           | 16.99                | 30.00                |

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

**<Non-Beamforming Mode>****Summary**

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_4TX       | 23.50                | 0.22387            |
| 802.11g_Nss1,(6Mbps)_4TX       | 23.15                | 0.20654            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 23.34                | 0.21577            |

## 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   | 2.79        | 17.07           | 16.59           | 17.41           | 16.80           | 23.00                | 30.00                |
| 2437MHz                        | Pass   | 2.79        | 17.53           | 17.23           | 17.84           | 17.27           | 23.50                | 30.00                |
| 2462MHz                        | Pass   | 2.79        | 16.75           | 17.13           | 17.07           | 16.97           | 23.00                | 30.00                |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.79        | 14.11           | 14.10           | 14.25           | 14.12           | 20.17                | 30.00                |
| 2437MHz                        | Pass   | 2.79        | 17.25           | 17.01           | 17.25           | 17.01           | 23.15                | 30.00                |
| 2462MHz                        | Pass   | 2.79        | 12.73           | 12.87           | 12.84           | 12.86           | 18.85                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 2.79        | 14.05           | 14.28           | 14.47           | 14.09           | 20.25                | 30.00                |
| 2437MHz                        | Pass   | 2.79        | 17.42           | 17.23           | 17.49           | 17.14           | 23.34                | 30.00                |
| 2457MHz                        | Pass   | 2.79        | 13.81           | 13.73           | 14.08           | 13.99           | 19.93                | 30.00                |
| 2462MHz                        | Pass   | 2.79        | 13.01           | 13.09           | 13.34           | 13.05           | 19.15                | 30.00                |

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



**<Beamforming Mode>**

**Summary**

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 23.34                | 0.21577            |

**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   | 6.92        | 14.05           | 14.28           | 14.47           | 14.09           | 20.25                | 29.08                |
| 2437MHz                           | Pass   | 6.92        | 17.42           | 17.23           | 17.49           | 17.14           | 23.34                | 29.08                |
| 2457MHz                           | Pass   | 6.92        | 13.81           | 13.73           | 14.08           | 13.99           | 19.93                | 29.08                |
| 2462MHz                           | Pass   | 6.92        | 13.01           | 13.09           | 13.34           | 13.05           | 19.15                | 29.08                |

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

**Summary**

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_1TX       | 19.94                | 0.09863            |
| 802.11g_Nss1,(6Mbps)_1TX       | 19.87                | 0.09705            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 19.92                | 0.09817            |

## Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -           | -               | -                    | -                    |
| 2412MHz                        | Pass   | 3.30        | 19.90           | 19.90                | 30.00                |
| 2437MHz                        | Pass   | 3.30        | 19.94           | 19.94                | 30.00                |
| 2462MHz                        | Pass   | 3.30        | 19.76           | 19.76                | 30.00                |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -           | -               | -                    | -                    |
| 2412MHz                        | Pass   | 3.30        | 18.46           | 18.46                | 30.00                |
| 2437MHz                        | Pass   | 3.30        | 19.87           | 19.87                | 30.00                |
| 2462MHz                        | Pass   | 3.30        | 18.23           | 18.23                | 30.00                |
| 802.11ax_HEW20_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    |
| 2412MHz                        | Pass   | 3.30        | 17.65           | 17.65                | 30.00                |
| 2437MHz                        | Pass   | 3.30        | 19.92           | 19.92                | 30.00                |
| 2462MHz                        | Pass   | 3.30        | 17.47           | 17.47                | 30.00                |

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

**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_1TX       | -8.43           |
| 802.11g_Nss1,(6Mbps)_1TX       | -10.64          |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -10.06          |

RBW = 3kHz;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 2412MHz                        | Pass   | 2.62        | -8.88               | -8.88           | 8.00                  |
| 2437MHz                        | Pass   | 2.62        | -8.43               | -8.43           | 8.00                  |
| 2462MHz                        | Pass   | 2.62        | -8.84               | -8.84           | 8.00                  |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 2412MHz                        | Pass   | 2.62        | -10.96              | -10.96          | 8.00                  |
| 2437MHz                        | Pass   | 2.62        | -10.66              | -10.66          | 8.00                  |
| 2462MHz                        | Pass   | 2.62        | -10.64              | -10.64          | 8.00                  |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 2412MHz                        | Pass   | 2.62        | -10.51              | -10.51          | 8.00                  |
| 2437MHz                        | Pass   | 2.62        | -10.06              | -10.06          | 8.00                  |
| 2462MHz                        | Pass   | 2.62        | -11.65              | -11.65          | 8.00                  |

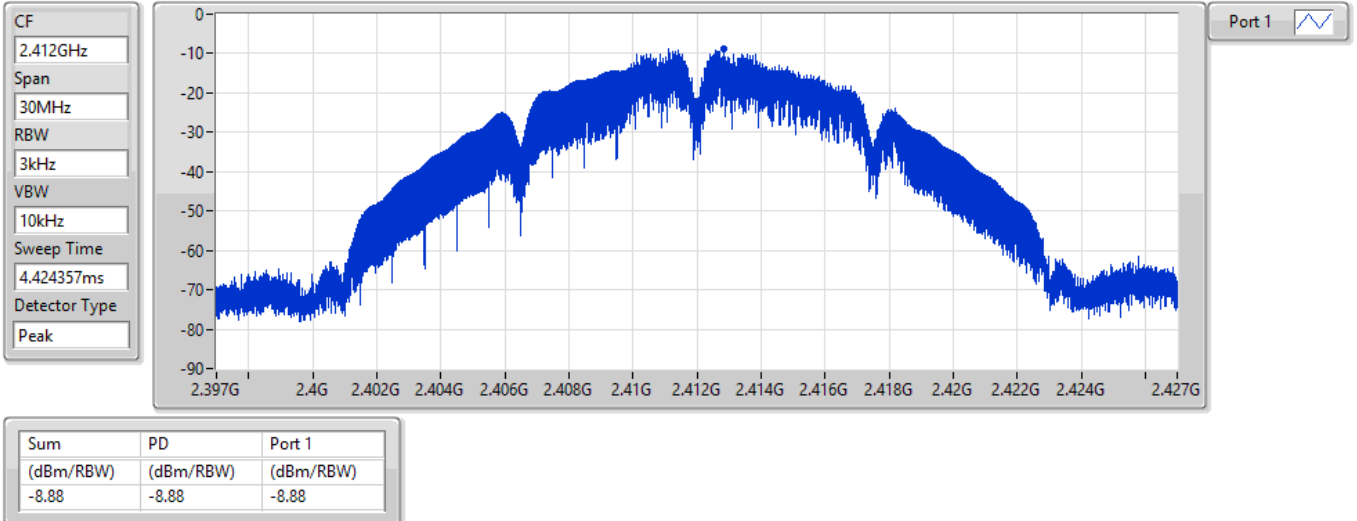
DG = Directional Gain; RBW = 3kHz;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11b\_Nss1,(1Mbps)\_1TX

## PSD

2412MHz

12/02/2022

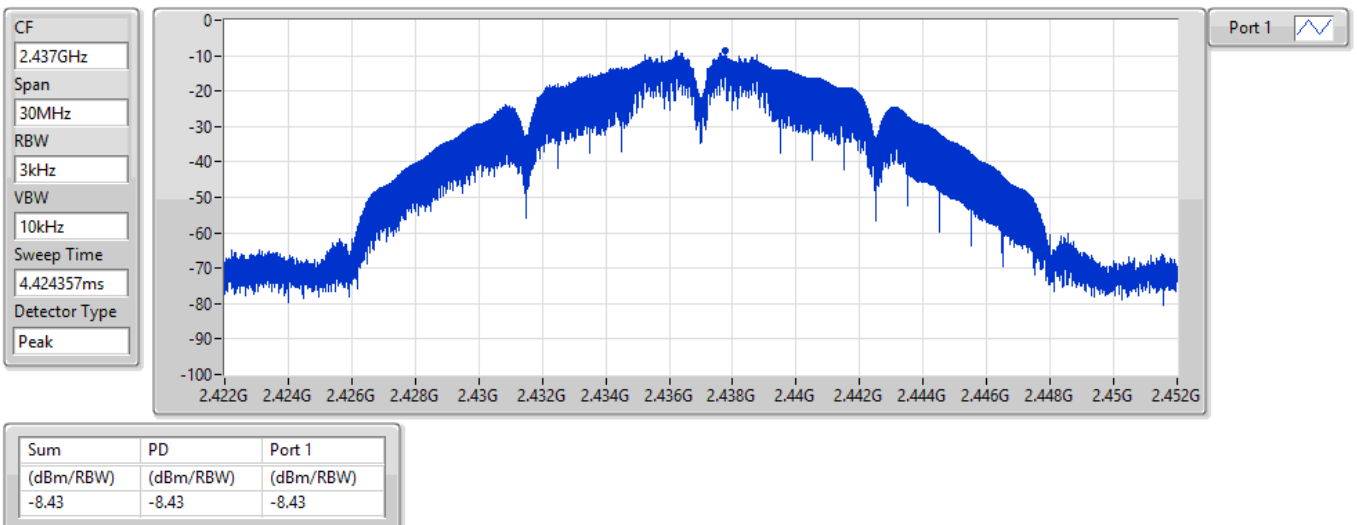


## 802.11b\_Nss1,(1Mbps)\_1TX

## PSD

2437MHz

12/02/2022



## 802.11b\_Nss1,(1Mbps)\_1TX

## PSD

2462MHz

12/02/2022

CF  
2.462GHz

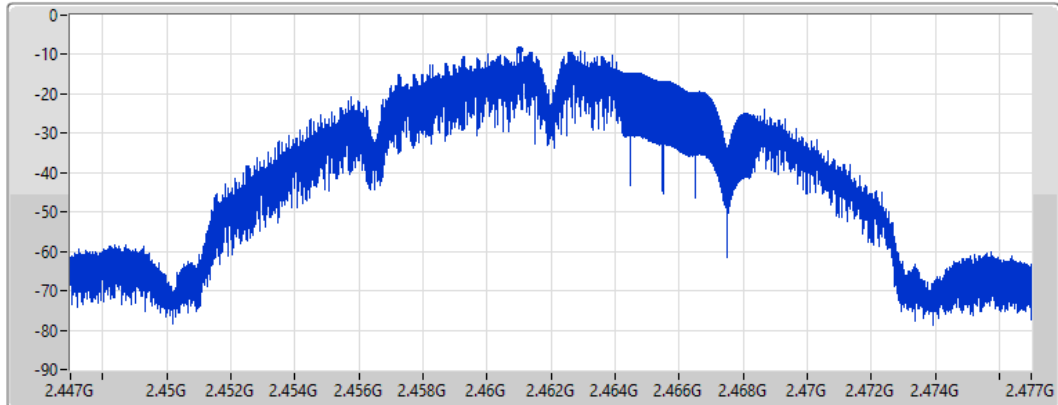
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -8.84    | -8.84    | -8.84    |

## 802.11g\_Nss1,(6Mbps)\_1TX

## PSD

2412MHz

12/02/2022

CF  
2.412GHz

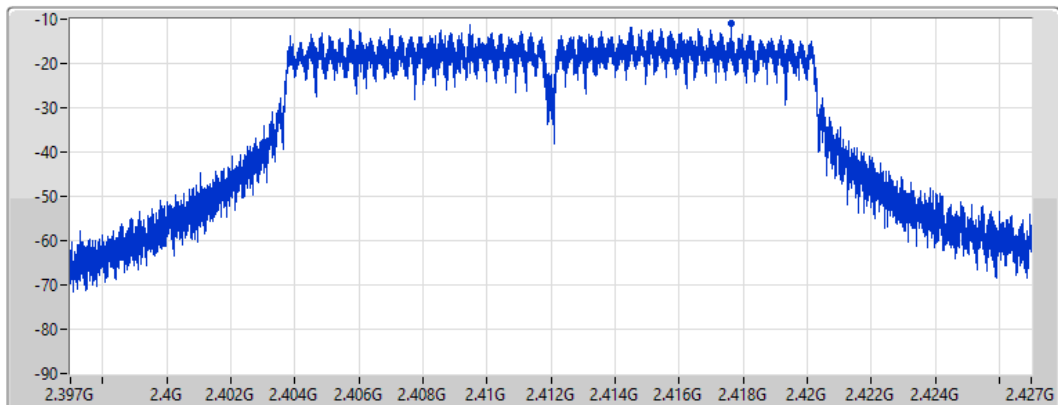
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Port 1

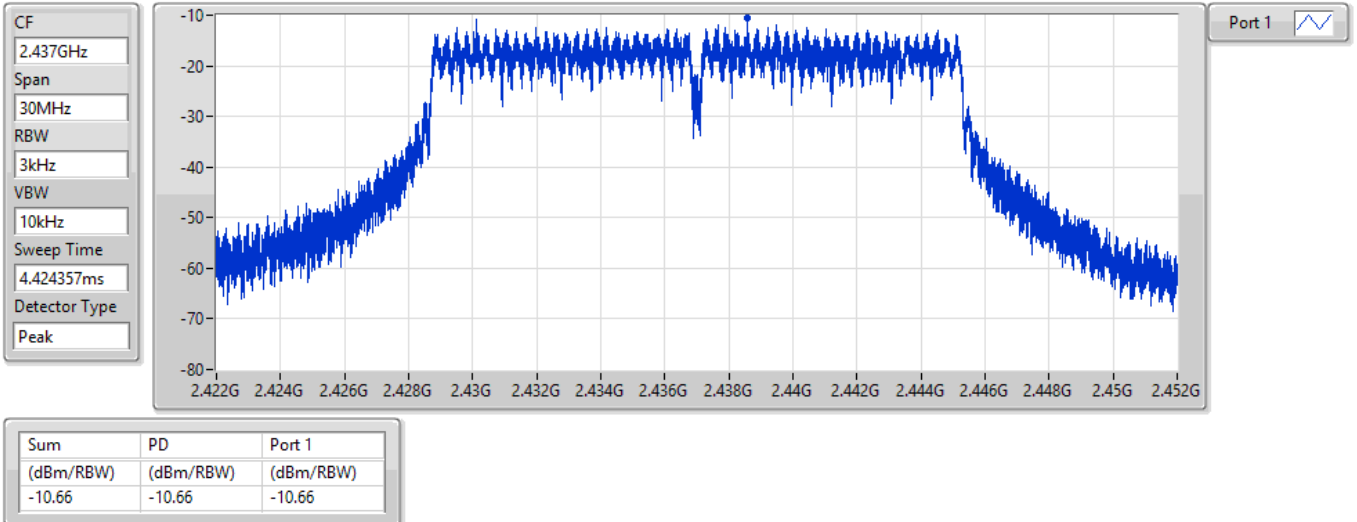
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -10.96   | -10.96   | -10.96   |

## 802.11g\_Nss1,(6Mbps)\_1TX

## PSD

2437MHz

12/02/2022

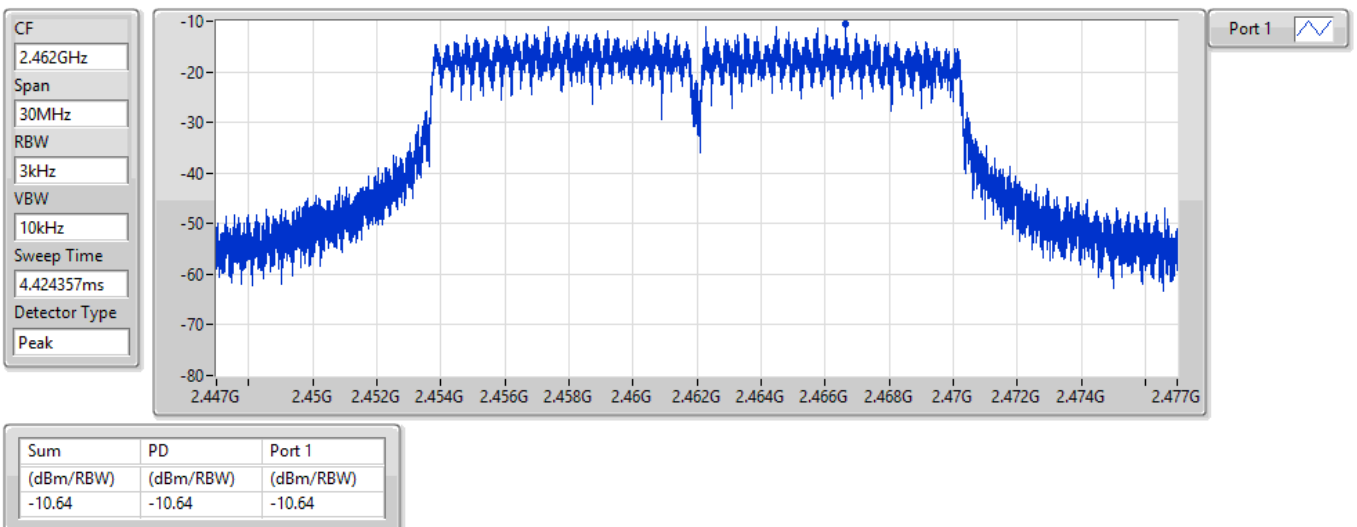


## 802.11g\_Nss1,(6Mbps)\_1TX

## PSD

2462MHz

12/02/2022

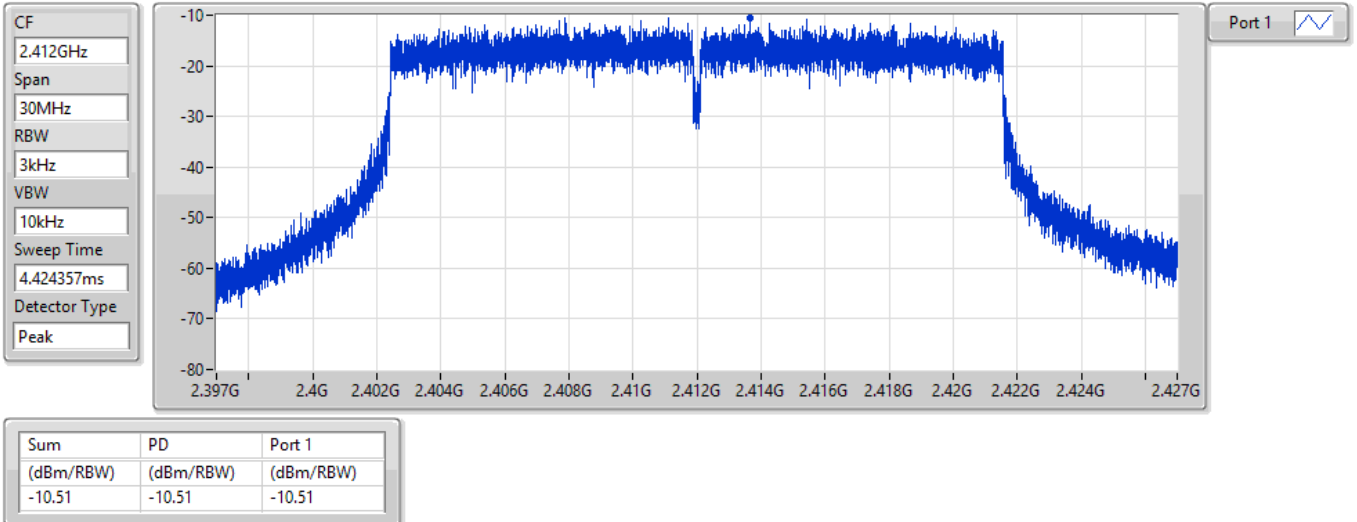


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX

## PSD

2412MHz

12/02/2022

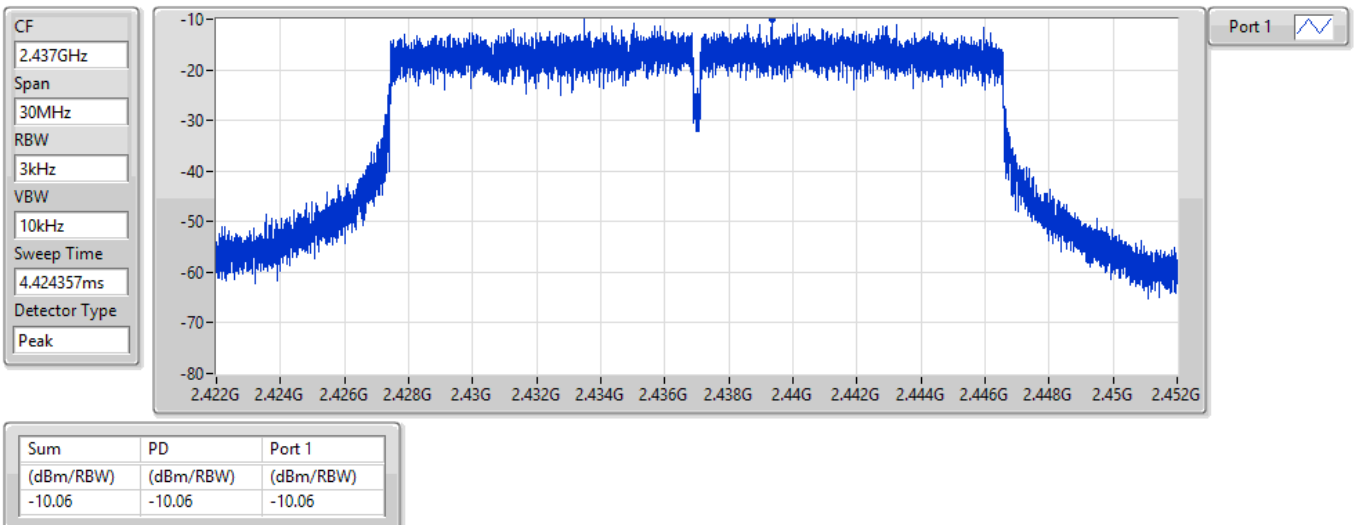


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX

## PSD

2437MHz

12/02/2022

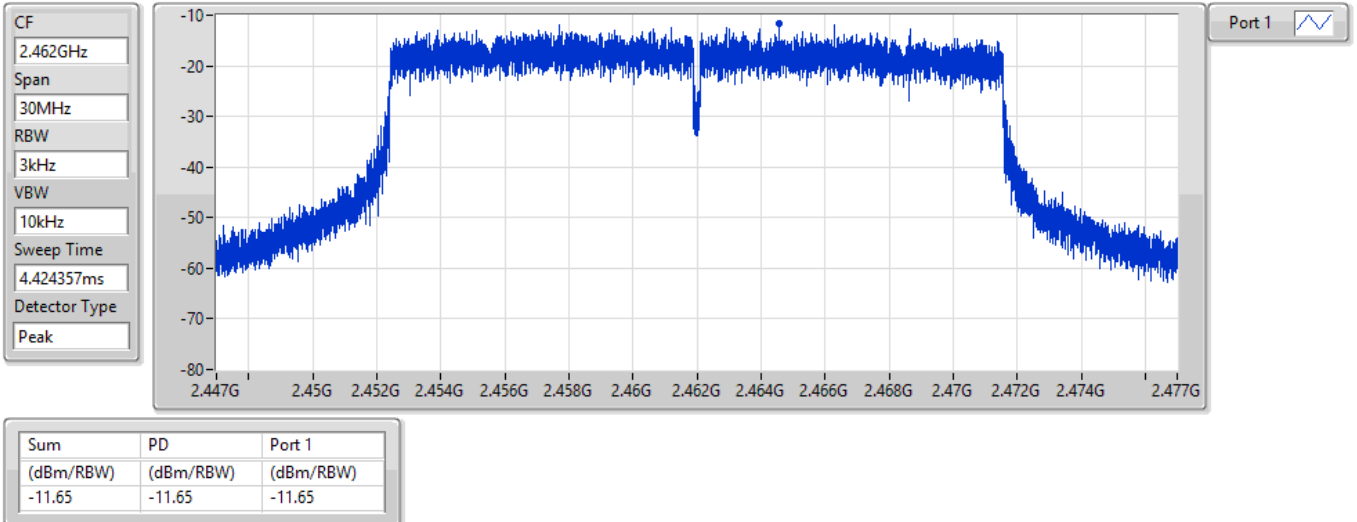


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX

## PSD

2462MHz

12/02/2022



**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | -7.19           |
| 802.11g_Nss1,(6Mbps)_2TX       | -8.23           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -8.34           |

RBW = 3kHz;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 4.29        | -9.28               | -10.21              | -7.49           | 8.00                  |
| 2437MHz                        | Pass   | 4.29        | -9.55               | -10.10              | -7.35           | 8.00                  |
| 2462MHz                        | Pass   | 4.29        | -8.20               | -8.90               | -7.19           | 8.00                  |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 4.29        | -10.93              | -11.28              | -9.60           | 8.00                  |
| 2437MHz                        | Pass   | 4.29        | -10.76              | -10.56              | -8.23           | 8.00                  |
| 2462MHz                        | Pass   | 4.29        | -12.08              | -12.55              | -10.76          | 8.00                  |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 4.29        | -9.45               | -10.26              | -8.44           | 8.00                  |
| 2437MHz                        | Pass   | 4.29        | -10.20              | -10.06              | -8.34           | 8.00                  |
| 2462MHz                        | Pass   | 4.29        | -12.83              | -12.47              | -10.59          | 8.00                  |

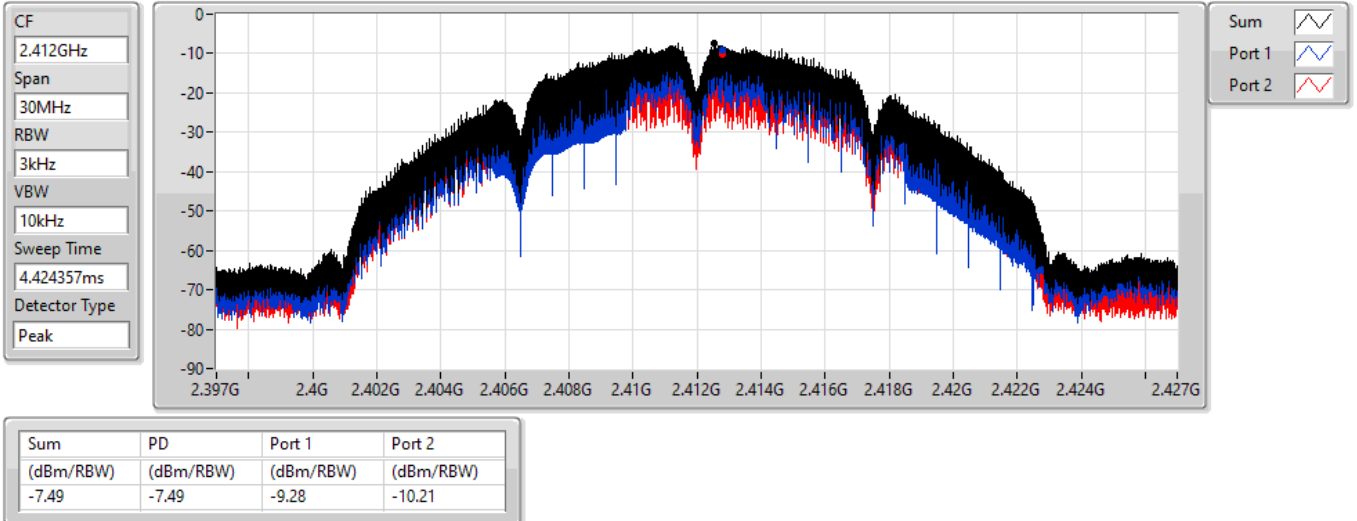
DG = Directional Gain; RBW = 3kHz;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11b\_Nss1,(1Mbps)\_2TX

## PSD

2412MHz

21/01/2022

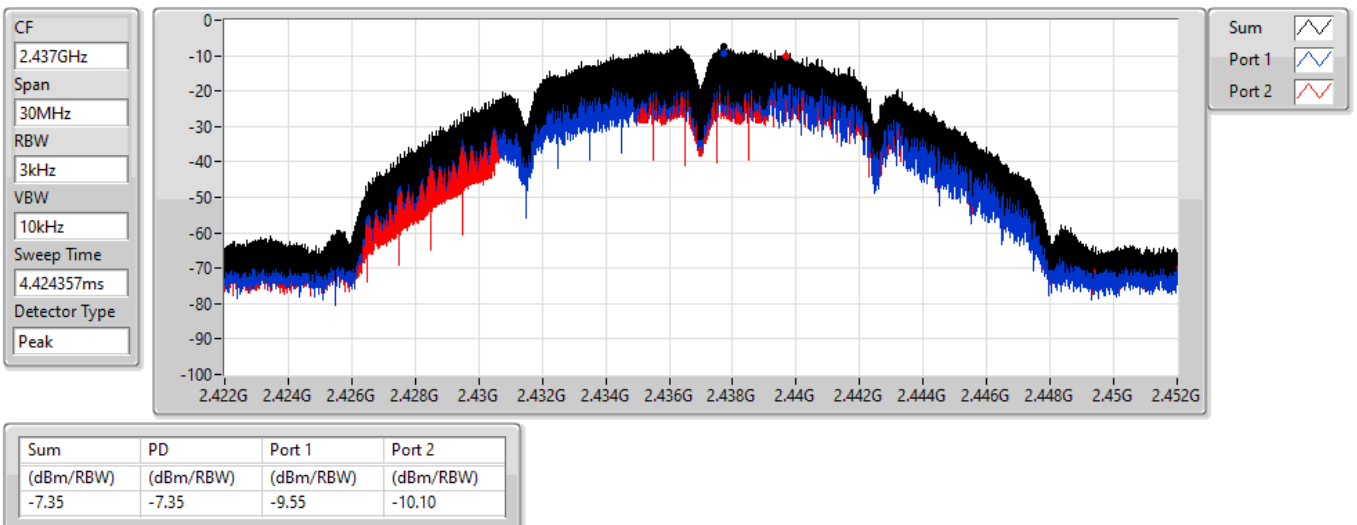


## 802.11b\_Nss1,(1Mbps)\_2TX

## PSD

2437MHz

21/01/2022

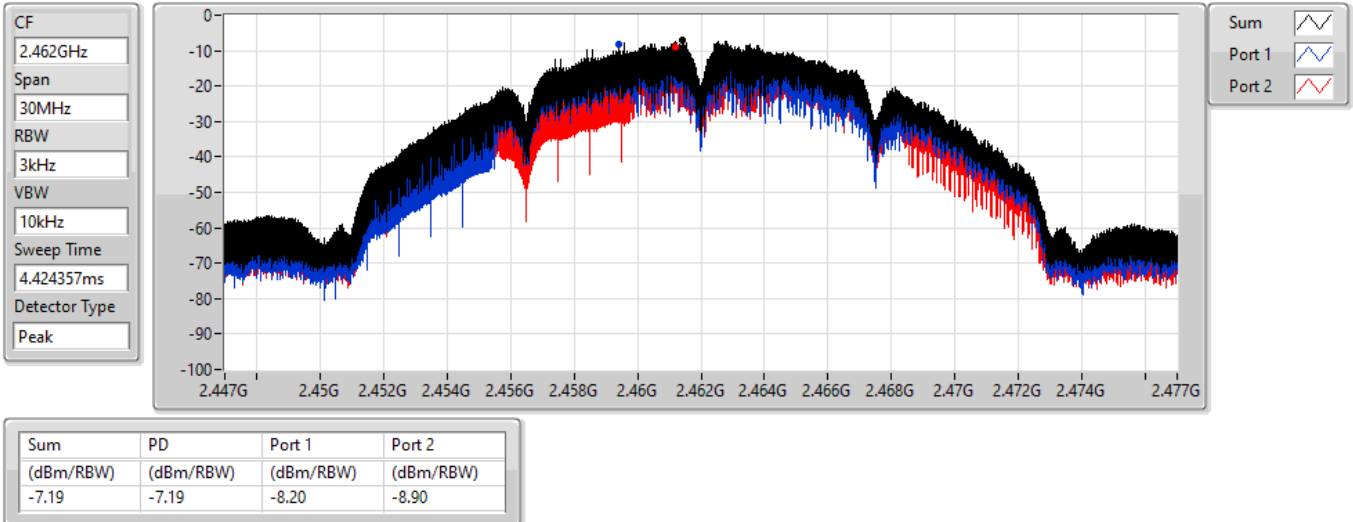


## 802.11b\_Nss1,(1Mbps)\_2TX

## PSD

2462MHz

21/01/2022

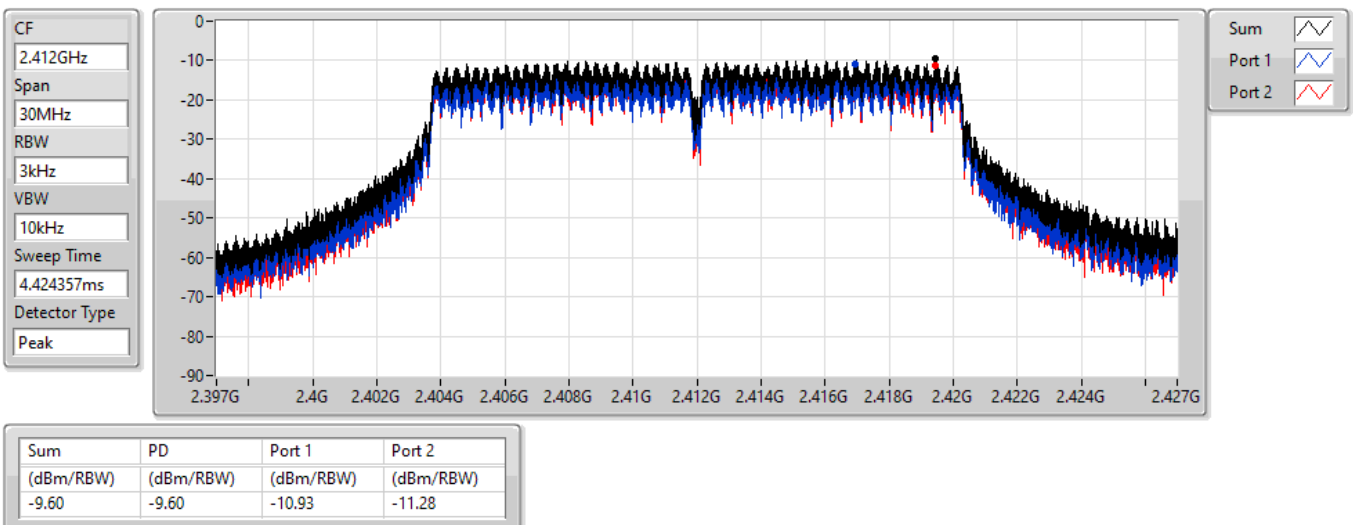


## 802.11g\_Nss1,(6Mbps)\_2TX

## PSD

2412MHz

21/01/2022

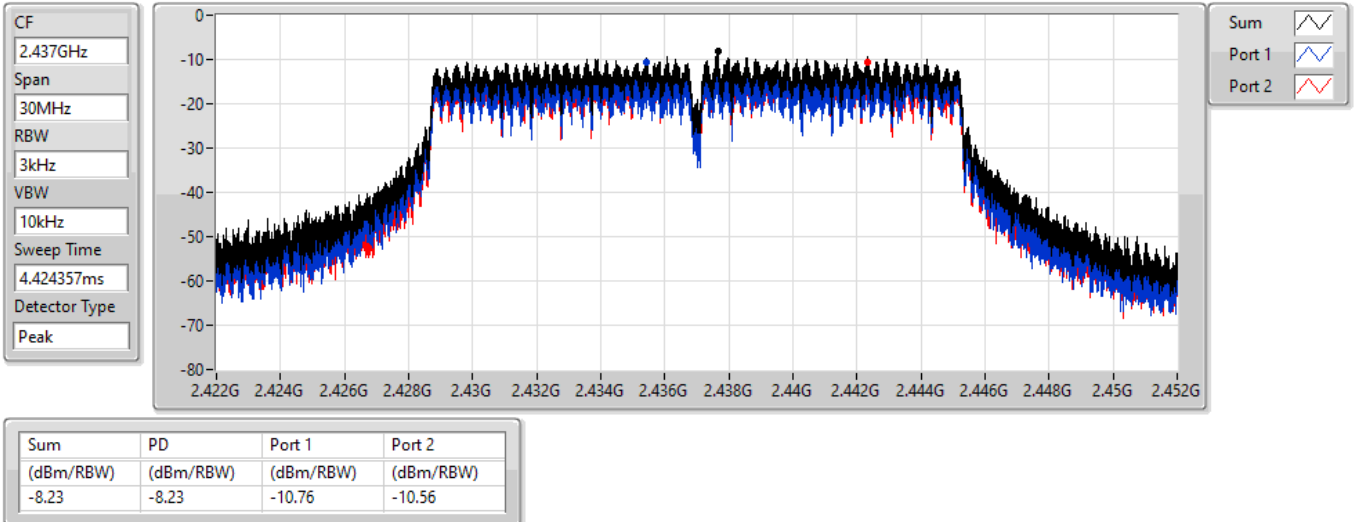


## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

PSD

21/01/2022

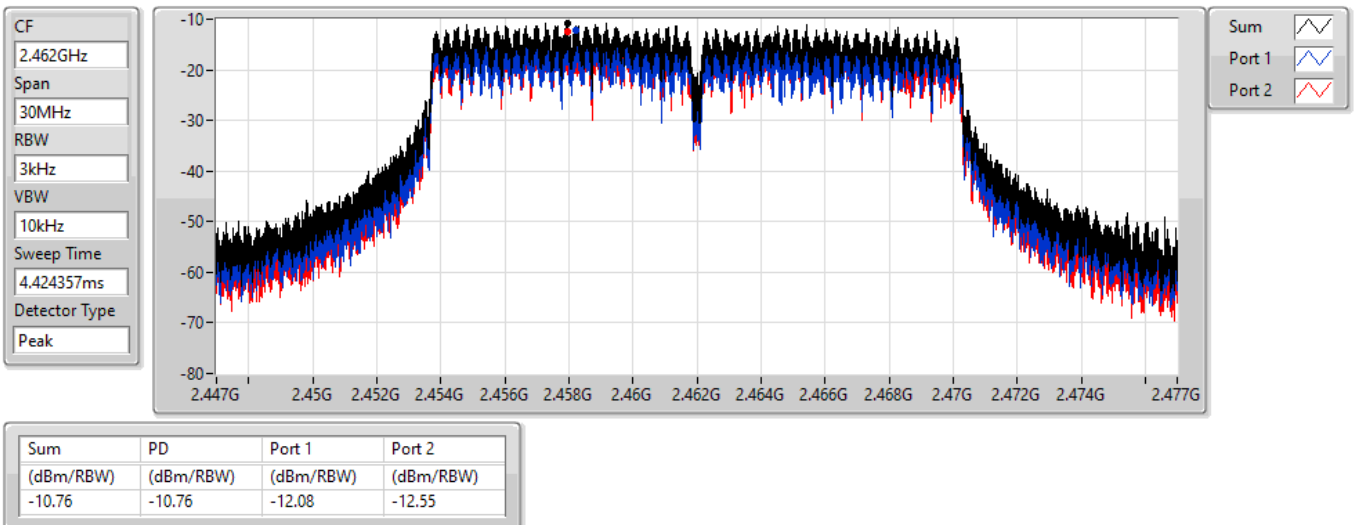


## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

PSD

21/01/2022

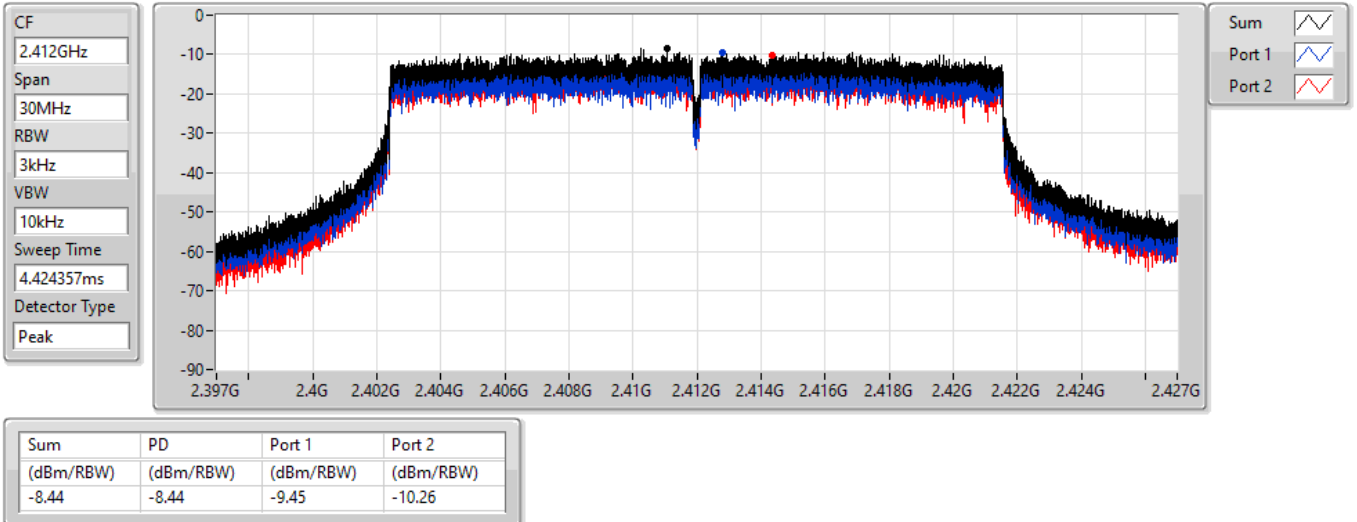


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

2412MHz

21/01/2022

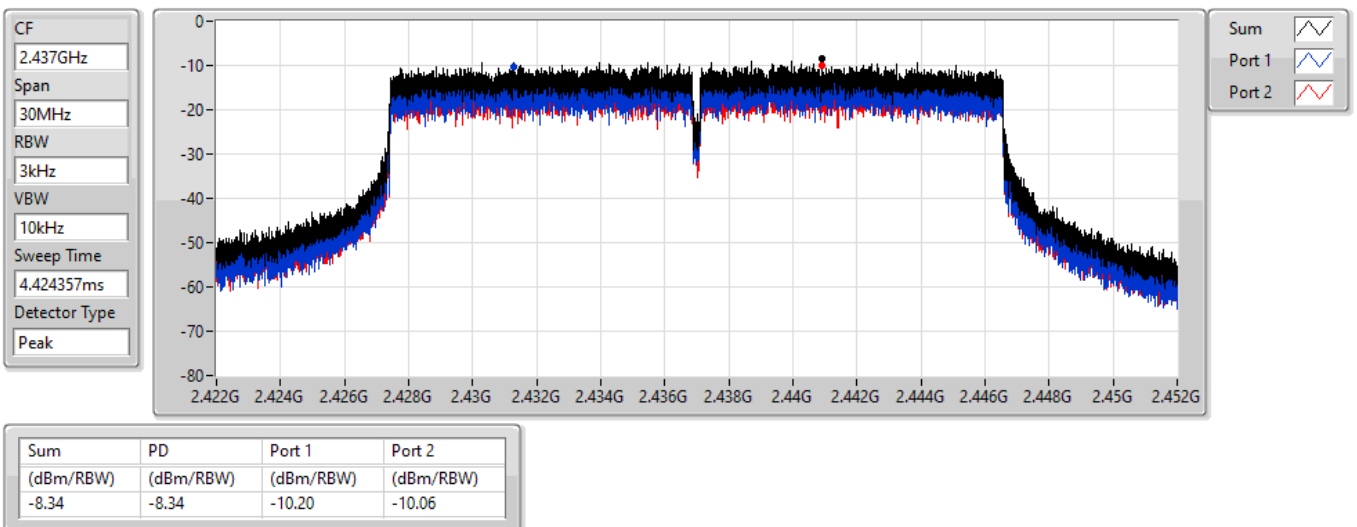


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

2437MHz

21/01/2022

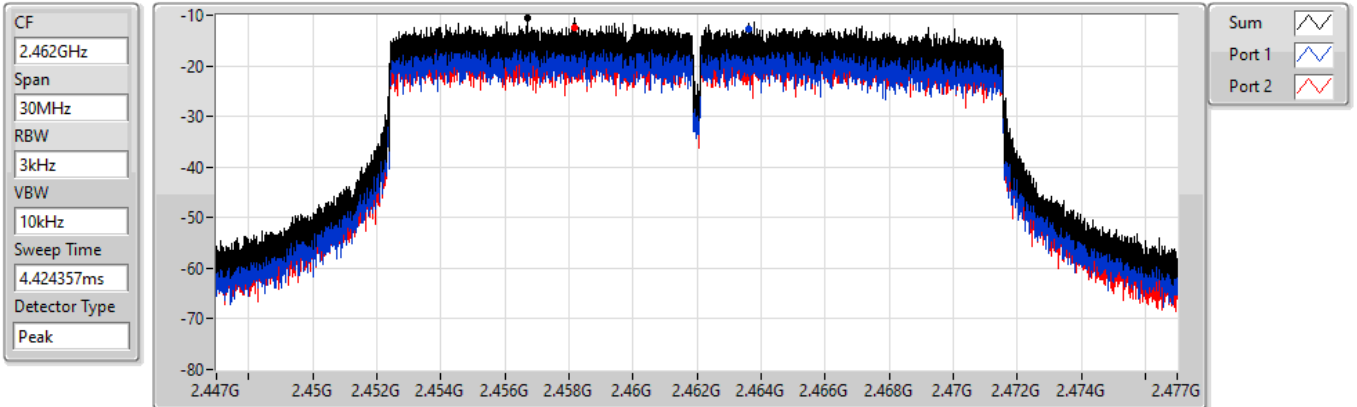


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

2462MHz

21/01/2022



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -10.59   | -10.59   | -12.83   | -12.47   |



**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_4TX       | -4.41           |
| 802.11g_Nss1,(6Mbps)_4TX       | -6.40           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -5.90           |

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   | 6.92        | -9.54               | -9.99               | -10.50              | -11.73              | -5.04           | 7.08                  |
| 2437MHz                        | Pass   | 6.92        | -7.89               | -9.79               | -9.16               | -9.22               | -4.41           | 7.08                  |
| 2462MHz                        | Pass   | 6.92        | -9.38               | -10.88              | -10.90              | -11.35              | -5.06           | 7.08                  |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 6.92        | -11.76              | -12.37              | -12.24              | -13.13              | -7.19           | 7.08                  |
| 2437MHz                        | Pass   | 6.92        | -11.35              | -11.04              | -10.55              | -10.35              | -6.40           | 7.08                  |
| 2462MHz                        | Pass   | 6.92        | -12.81              | -13.08              | -12.87              | -13.14              | -8.15           | 7.08                  |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 6.92        | -11.40              | -11.71              | -12.03              | -11.89              | -8.31           | 7.08                  |
| 2437MHz                        | Pass   | 6.92        | -10.06              | -10.55              | -10.47              | -10.02              | -5.90           | 7.08                  |
| 2462MHz                        | Pass   | 6.92        | -13.14              | -13.77              | -13.61              | -13.53              | -9.38           | 7.08                  |

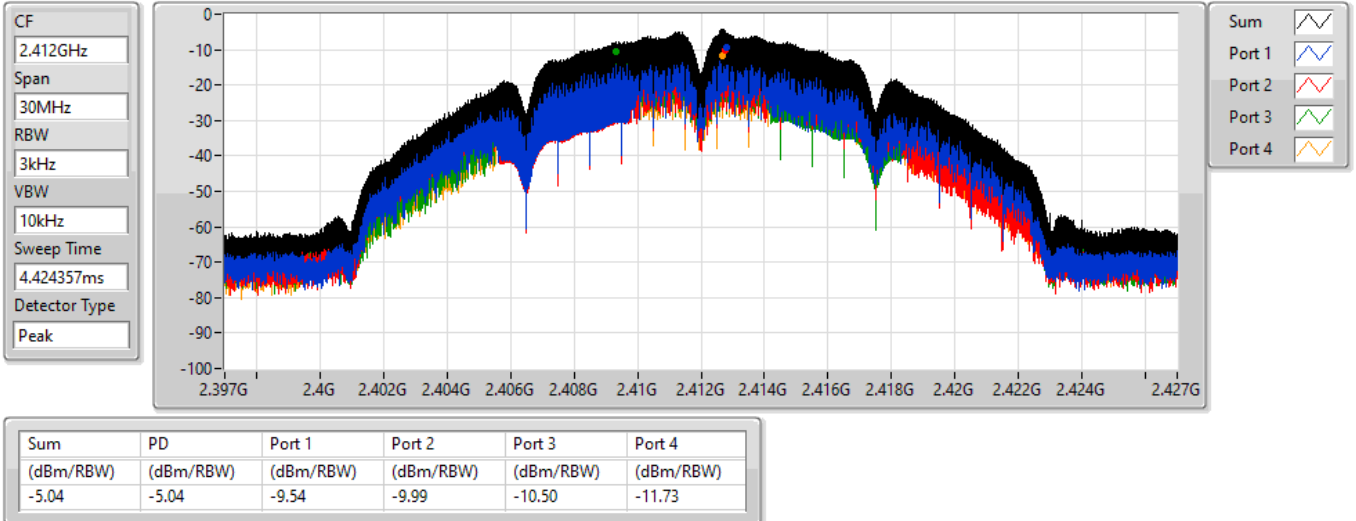
DG = Directional Gain; RBW = 3kHz;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

## PSD

2412MHz

21/01/2022

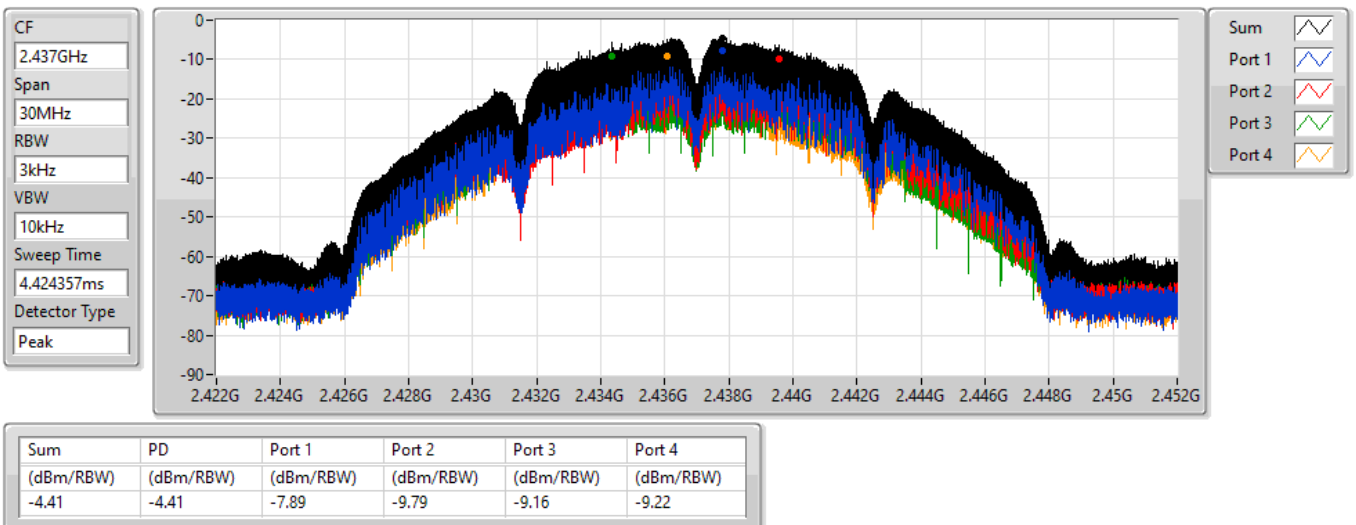


## 802.11b\_Nss1,(1Mbps)\_4TX

## PSD

2437MHz

21/01/2022

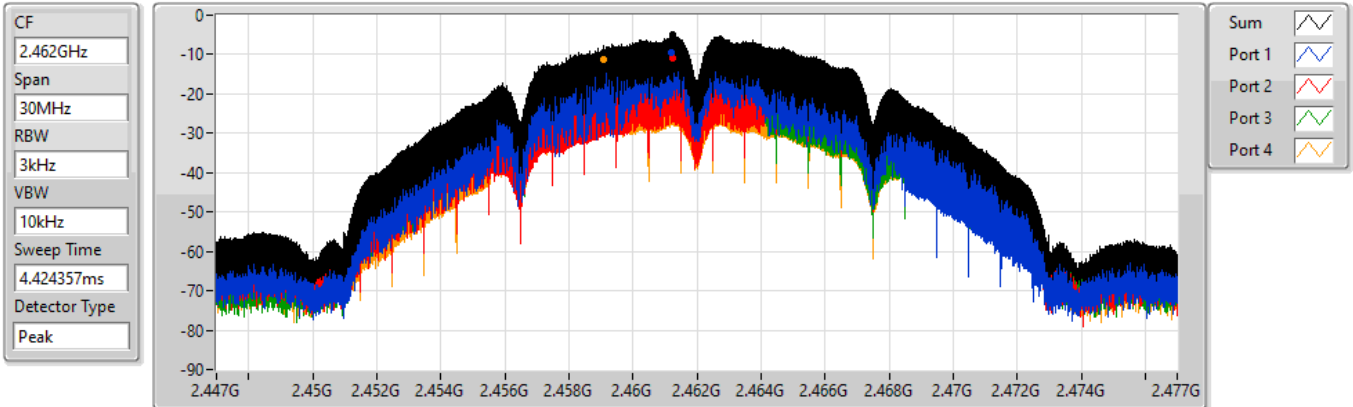


## 802.11b\_Nss1,(1Mbps)\_4TX

2462MHz

PSD

21/01/2022



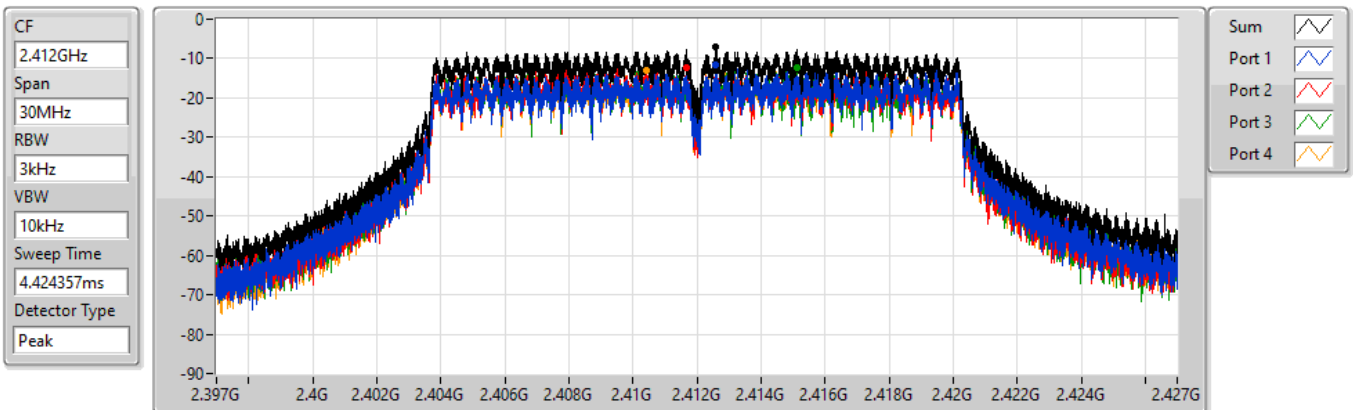
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.06     | -5.06     | -9.38     | -10.88    | -10.90    | -11.35    |

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

2412MHz

PSD

21/01/2022



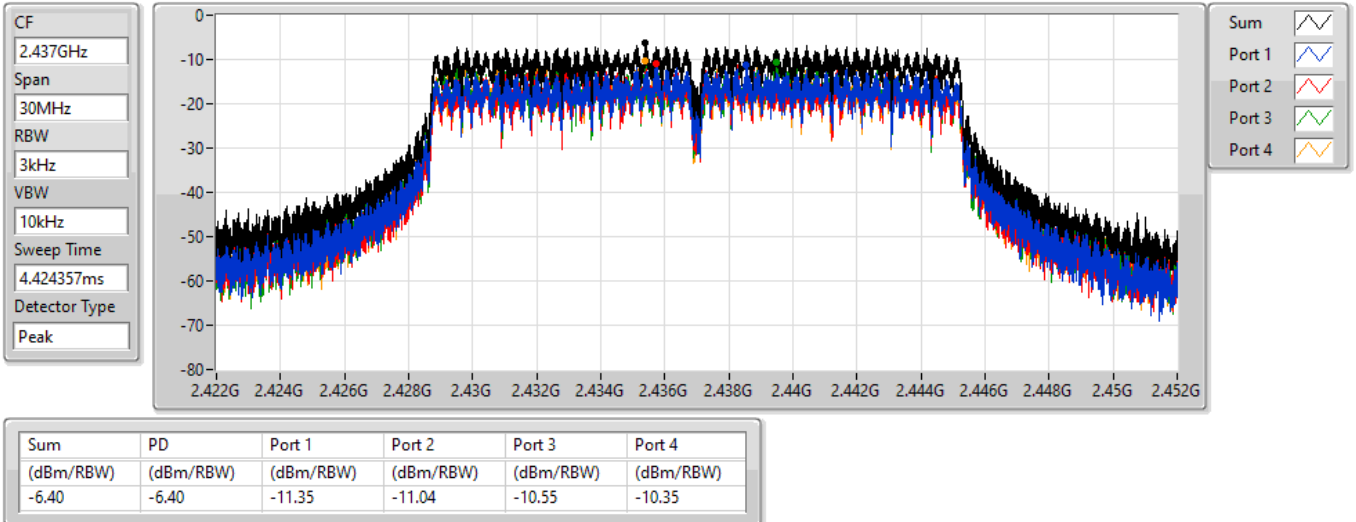
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -7.19     | -7.19     | -11.76    | -12.37    | -12.24    | -13.13    |

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

2437MHz

PSD

21/01/2022

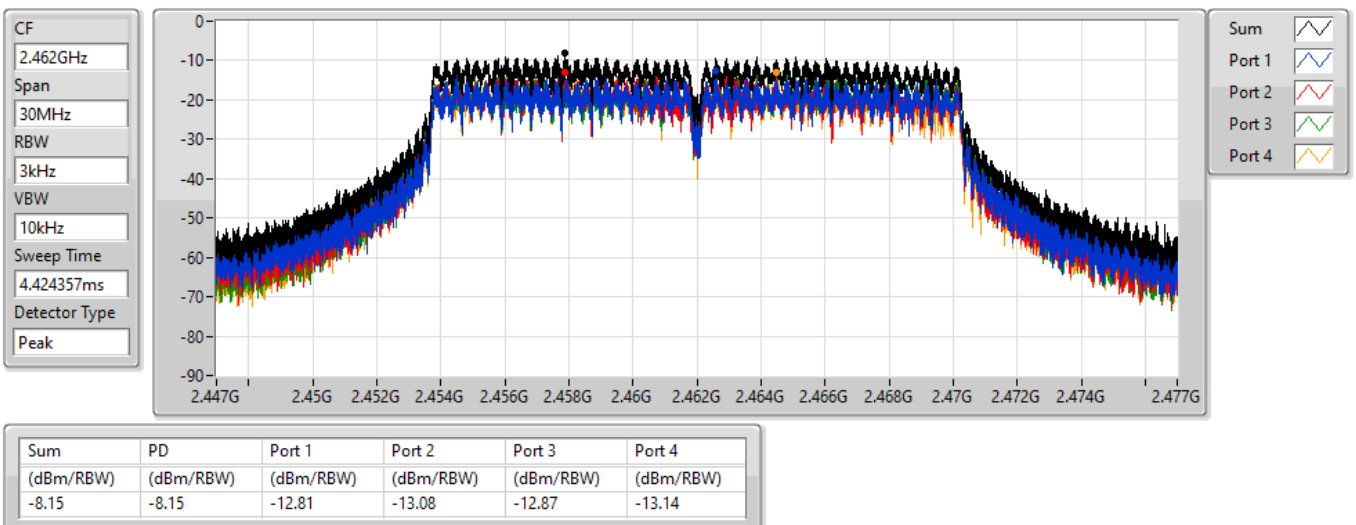


## 802.11g\_Nss1,(6Mbps)\_4TX

2462MHz

PSD

21/01/2022

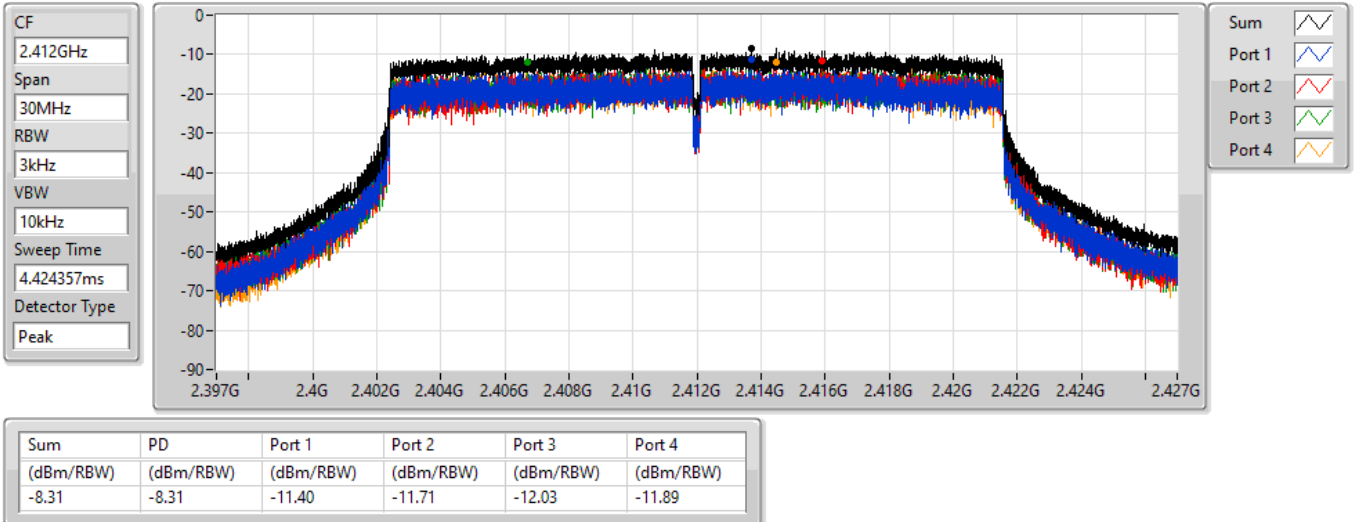


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

2412MHz

21/01/2022

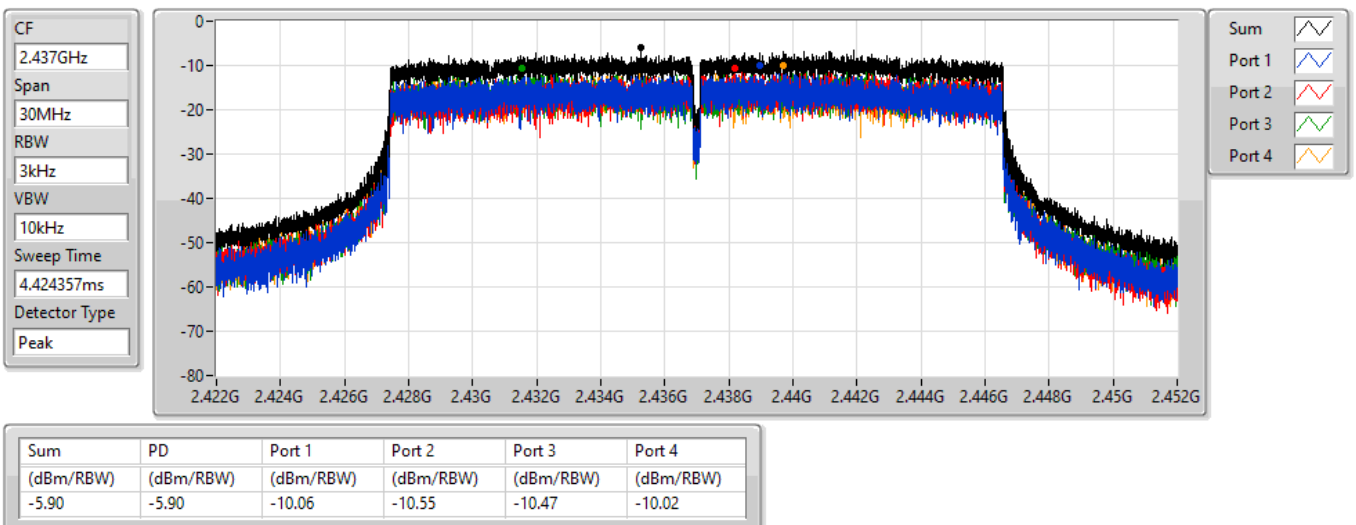


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

2437MHz

21/01/2022

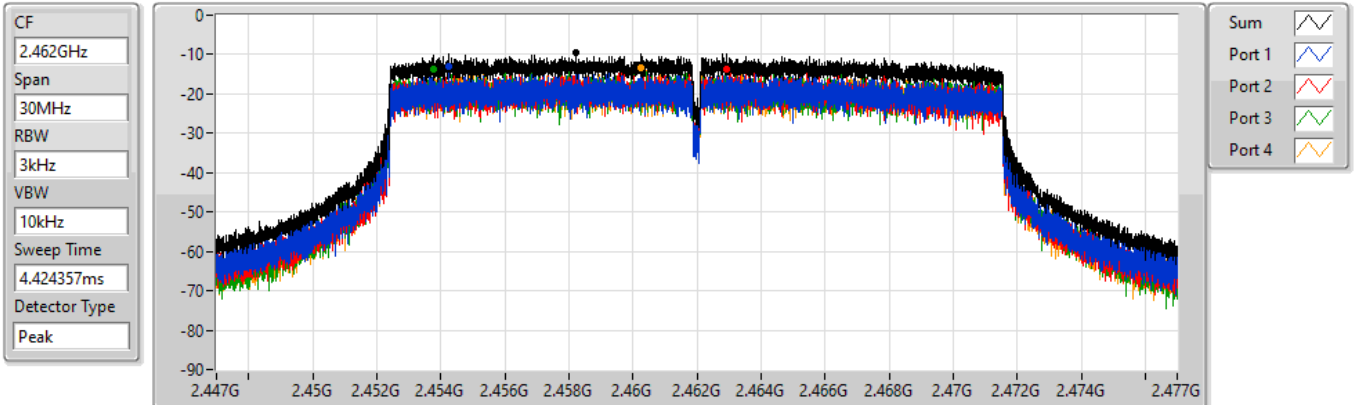


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

2462MHz

PSD

21/01/2022



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.38     | -9.38     | -13.14    | -13.77    | -13.61    | -13.53    |

**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_1TX       | -4.26           |
| 802.11g_Nss1,(6Mbps)_1TX       | -6.90           |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -6.66           |

RBW = 3kHz;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 2412MHz                        | Pass   | 3.30        | -4.97               | -4.97           | 8.00                  |
| 2437MHz                        | Pass   | 3.30        | -4.26               | -4.26           | 8.00                  |
| 2462MHz                        | Pass   | 3.30        | -7.87               | -7.87           | 8.00                  |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 2412MHz                        | Pass   | 3.30        | -9.00               | -9.00           | 8.00                  |
| 2437MHz                        | Pass   | 3.30        | -6.90               | -6.90           | 8.00                  |
| 2462MHz                        | Pass   | 3.30        | -9.14               | -9.14           | 8.00                  |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 2412MHz                        | Pass   | 3.30        | -8.85               | -8.85           | 8.00                  |
| 2437MHz                        | Pass   | 3.30        | -6.66               | -6.66           | 8.00                  |
| 2462MHz                        | Pass   | 3.30        | -9.00               | -9.00           | 8.00                  |

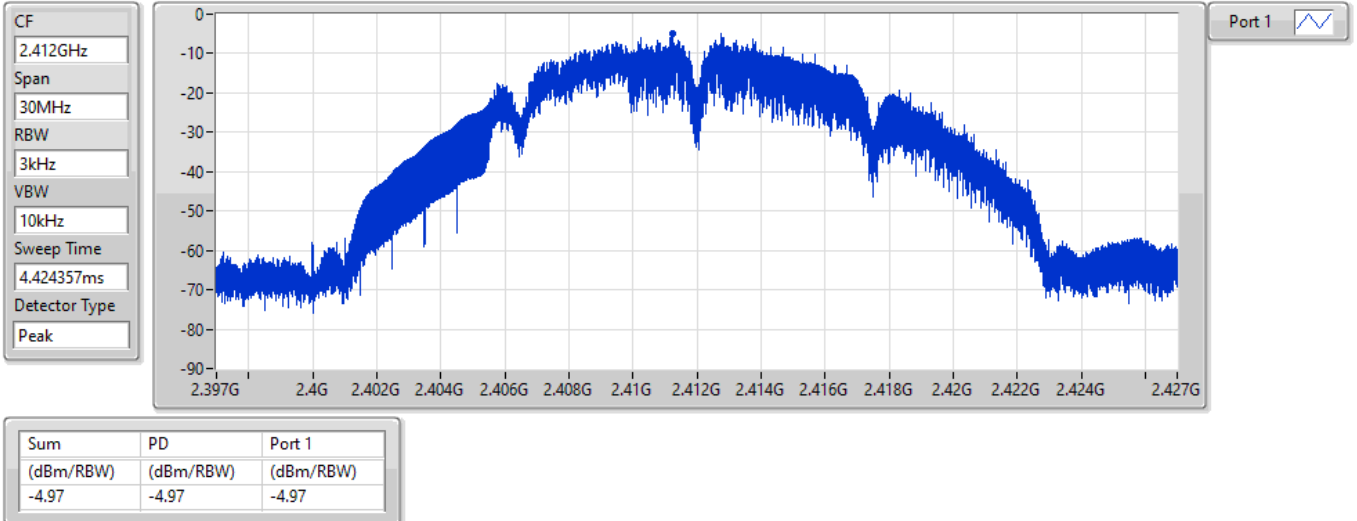
DG = Directional Gain; RBW = 3kHz;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11b\_Nss1,(1Mbps)\_1TX

## PSD

2412MHz

01/03/2022

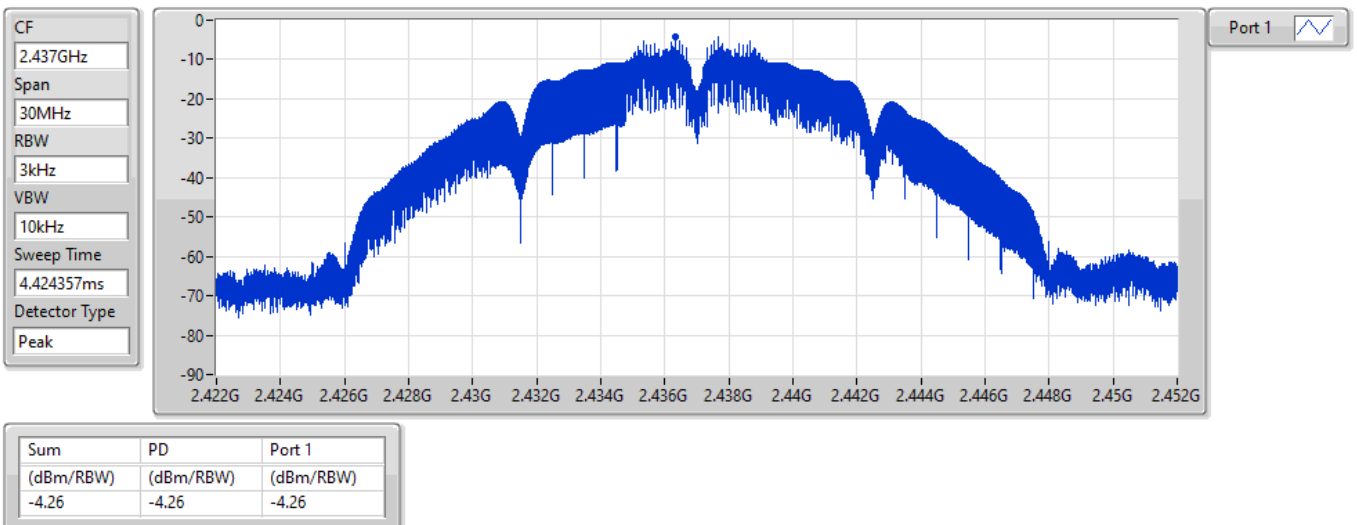


## 802.11b\_Nss1,(1Mbps)\_1TX

## PSD

2437MHz

01/03/2022

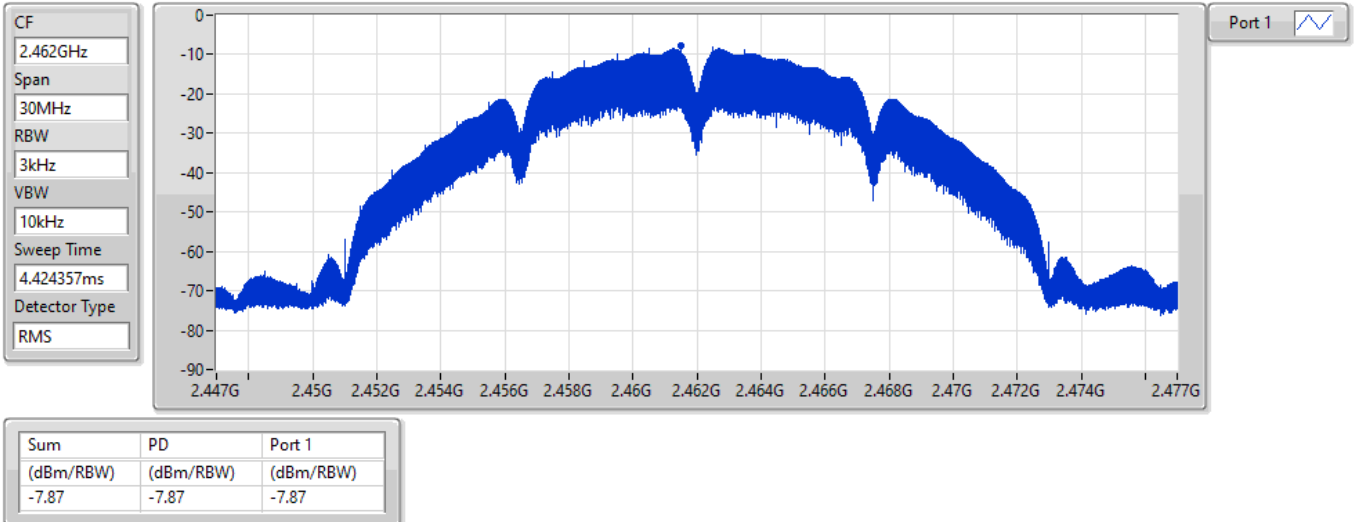


## 802.11b\_Nss1,(1Mbps)\_1TX

## PSD

2462MHz

01/03/2022

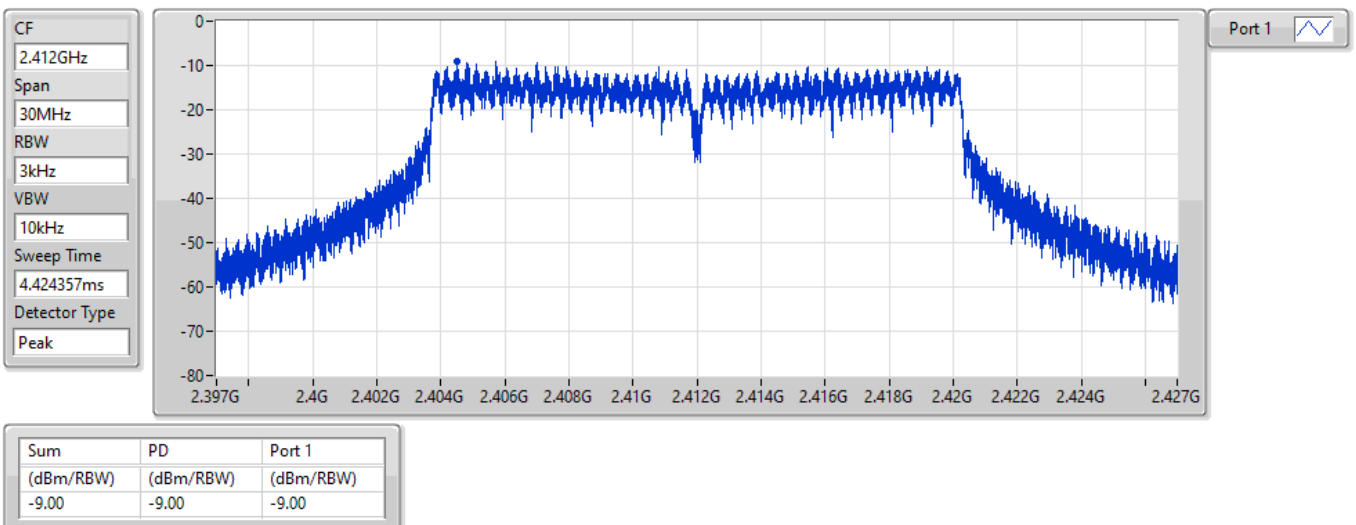


## 802.11g\_Nss1,(6Mbps)\_1TX

## PSD

2412MHz

01/03/2022

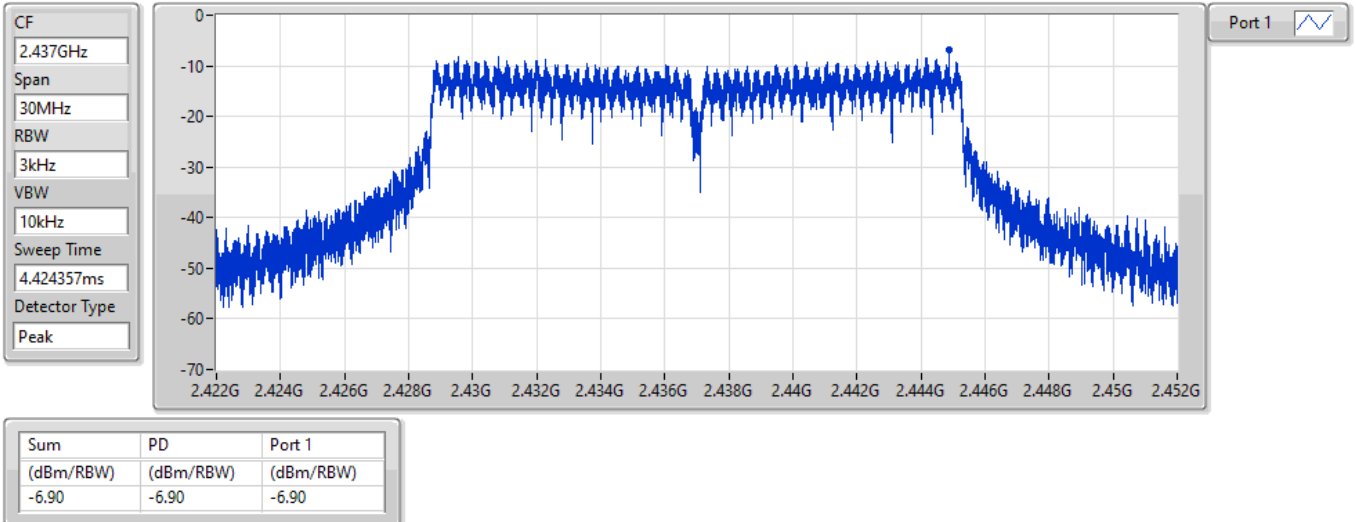


## 802.11g\_Nss1,(6Mbps)\_1TX

## PSD

2437MHz

01/03/2022

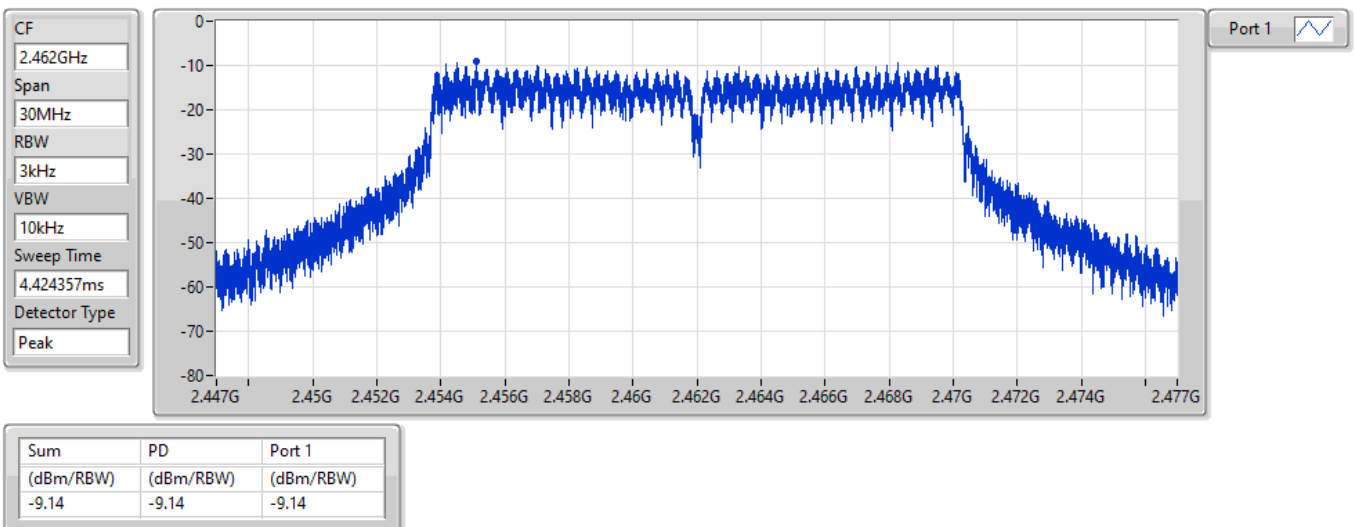


## 802.11g\_Nss1,(6Mbps)\_1TX

## PSD

2462MHz

01/03/2022

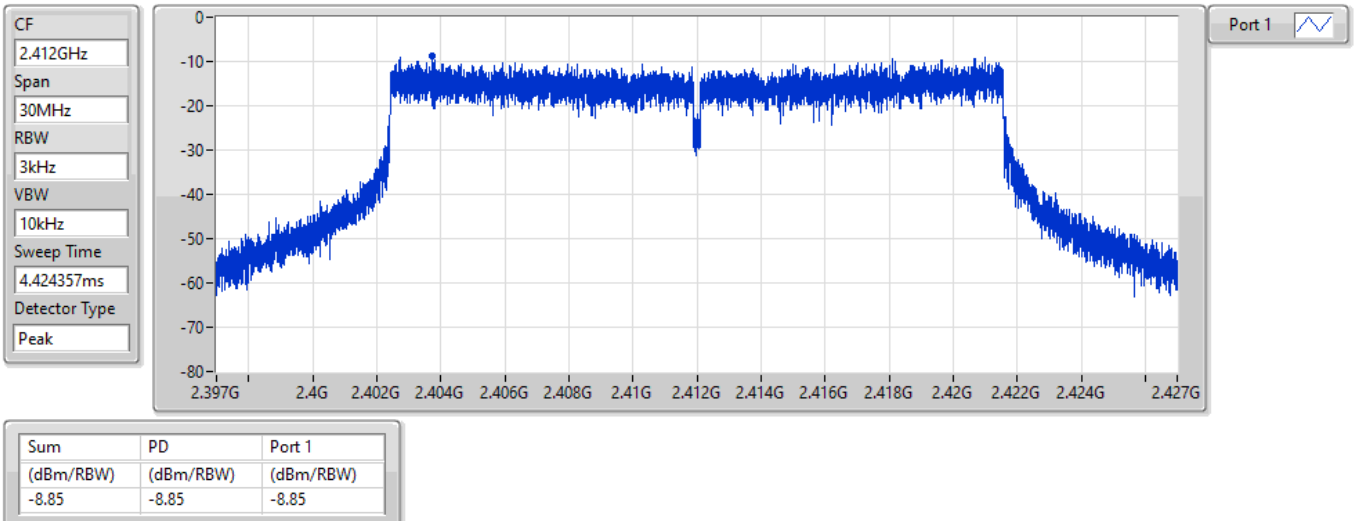


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX

## PSD

2412MHz

01/03/2022

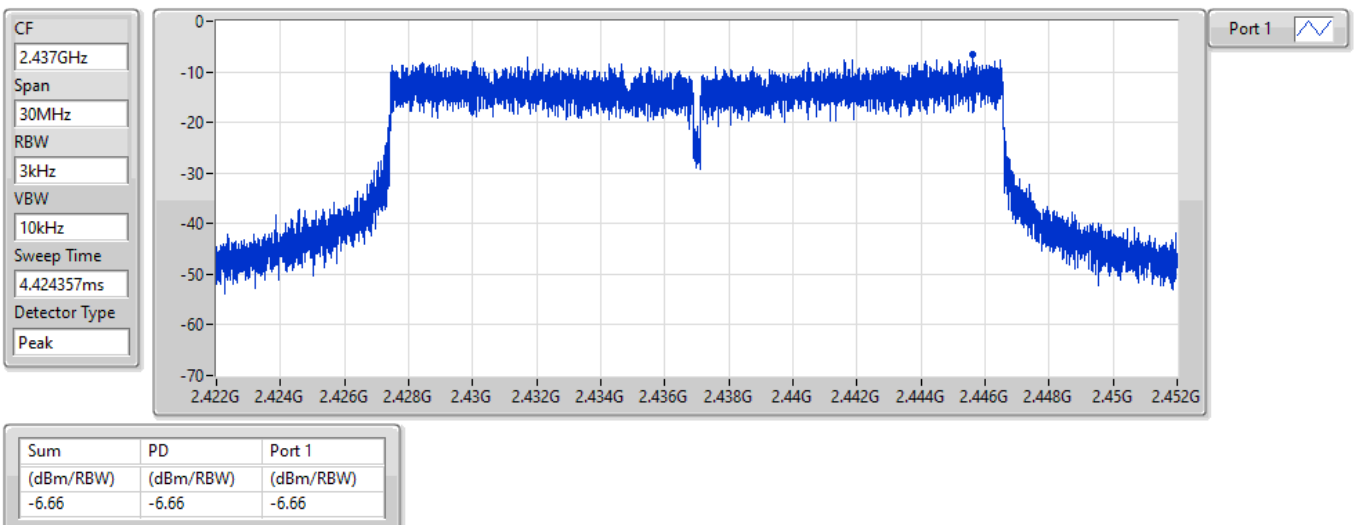


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX

## PSD

2437MHz

01/03/2022

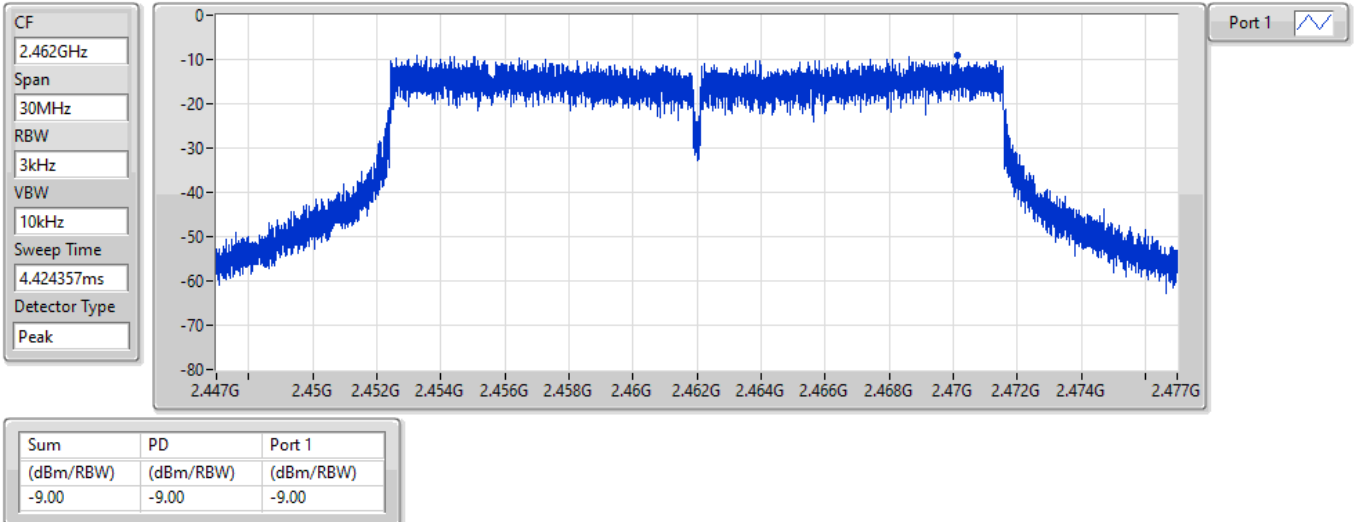


# 802.11ax HEW20\_Nss1,(MCS0)\_1TX

## PSD

2462MHz

01/03/2022



**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)_1TX       | Pass   | 2.43599G    | 7.00         | -23.00         | 49.81M       | -52.04         | 2.3999G      | -45.87         | 2.4G         | -46.78         | 2.50326G     | -52.68         | 16.37183G    | -47.55         | 1    |
| 802.11g_Nss1,(6Mbps)_1TX       | Pass   | 2.4395G     | 4.72         | -25.28         | 47.77M       | -52.56         | 2.39966G     | -34.51         | 2.4G         | -36.38         | 2.51712G     | -51.73         | 17.69795G    | -47.13         | 1    |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | Pass   | 2.43824G    | 4.57         | -25.43         | 49.81M       | -53.24         | 2.39996G     | -33.84         | 2.4G         | -35.01         | 2.48364G     | -53.08         | 24.72466G    | -46.63         | 1    |

**Result**

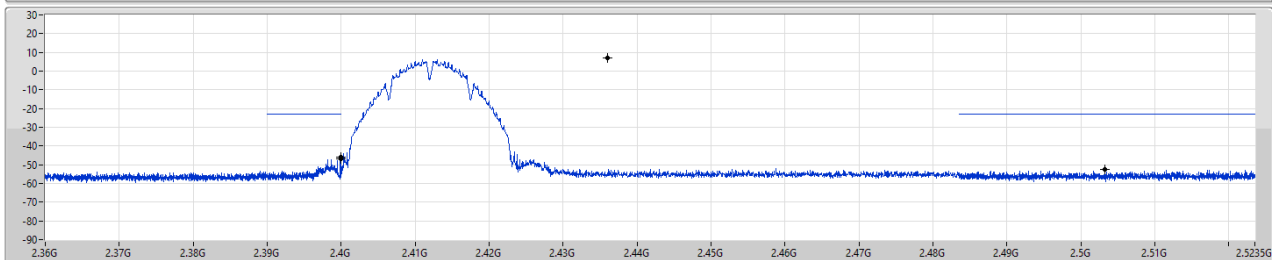
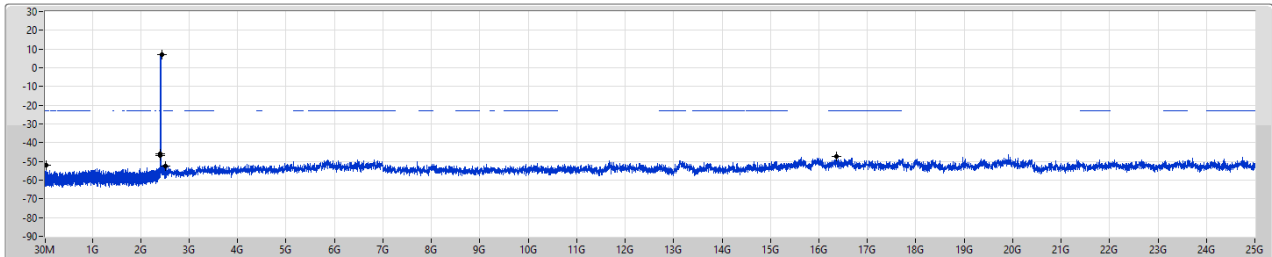
| Mode                           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|--------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43599G    | 7.00         | -23.00         | 49.81M       | -52.04         | 2.3999G      | -45.87         | 2.4G         | -46.78         | 2.50326G     | -52.68         | 16.37183G    | -47.55         | 1    |
| 2437MHz                        | Pass   | 2.43599G    | 7.00         | -23.00         | 49.81M       | -52.81         | 2.39326G     | -53.22         | 2.4835G      | -55.94         | 2.5086G      | -52.49         | 5.8135G      | -47.83         | 1    |
| 2462MHz                        | Pass   | 2.43599G    | 7.00         | -23.00         | 49.81M       | -51.51         | 2.39194G     | -52.55         | 2.4835G      | -53.92         | 2.5193G      | -52.60         | 6.04669G     | -48.02         | 1    |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.4395G     | 4.72         | -25.28         | 47.77M       | -52.56         | 2.39966G     | -34.51         | 2.4G         | -36.38         | 2.51712G     | -51.73         | 17.69795G    | -47.13         | 1    |
| 2437MHz                        | Pass   | 2.4395G     | 4.72         | -25.28         | 49.81M       | -51.79         | 2.39582G     | -52.35         | 2.4835G      | -53.42         | 2.4867G      | -52.42         | 24.73871G    | -47.56         | 1    |
| 2462MHz                        | Pass   | 2.43824G    | 4.57         | -25.43         | 948.89M      | -52.79         | 2.39148G     | -52.09         | 2.4835G      | -49.21         | 2.48404G     | -48.92         | 17.66704G    | -47.44         | 1    |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43824G    | 4.57         | -25.43         | 49.81M       | -53.24         | 2.39996G     | -33.84         | 2.4G         | -35.01         | 2.48364G     | -53.08         | 24.72466G    | -46.63         | 1    |
| 2437MHz                        | Pass   | 2.43824G    | 4.57         | -25.43         | 47.77M       | -52.12         | 2.39954G     | -52.63         | 2.4G         | -53.88         | 2.50556G     | -52.29         | 16.56569G    | -48.33         | 1    |
| 2462MHz                        | Pass   | 2.43824G    | 4.57         | -25.43         | 2.04166G     | -53.53         | 2.3956G      | -52.58         | 2.4835G      | -50.99         | 2.48412G     | -49.67         | 5.79383G     | -47.34         | 1    |

## 802.11b\_Nss1,(1Mbps)\_1TX

2412MHz

CSENdB

11/02/2022



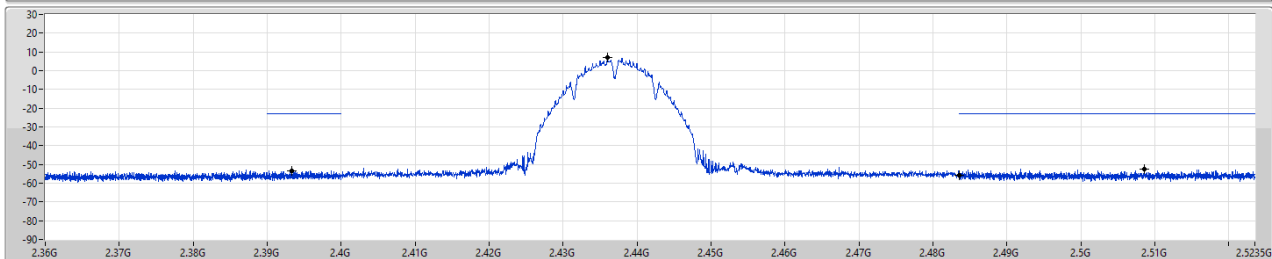
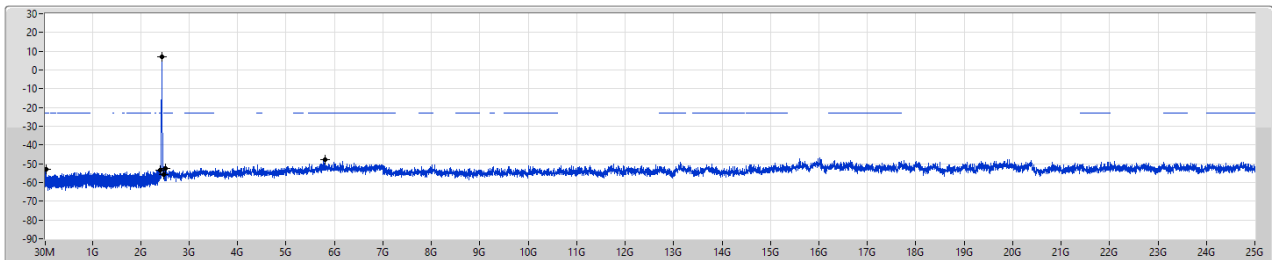
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43599G | 7.00     | -23.00     | 49.81M   | -52.04     | 2.3999G  | -45.87     | 2.4G     | -46.78     | 2.50326G | -52.68     | 16.37183G | -47.55     | 1    |

## 802.11b\_Nss1,(1Mbps)\_1TX

2437MHz

CSENdB

11/02/2022



| 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 | 7.00     | -23.00     | 49.81M   | -52.81     | 2.39326G | -53.22     | 2.4835G  | -55.94     | 2.5086G  | -52.49     | 5.8135G  | -47.83     | 1    |

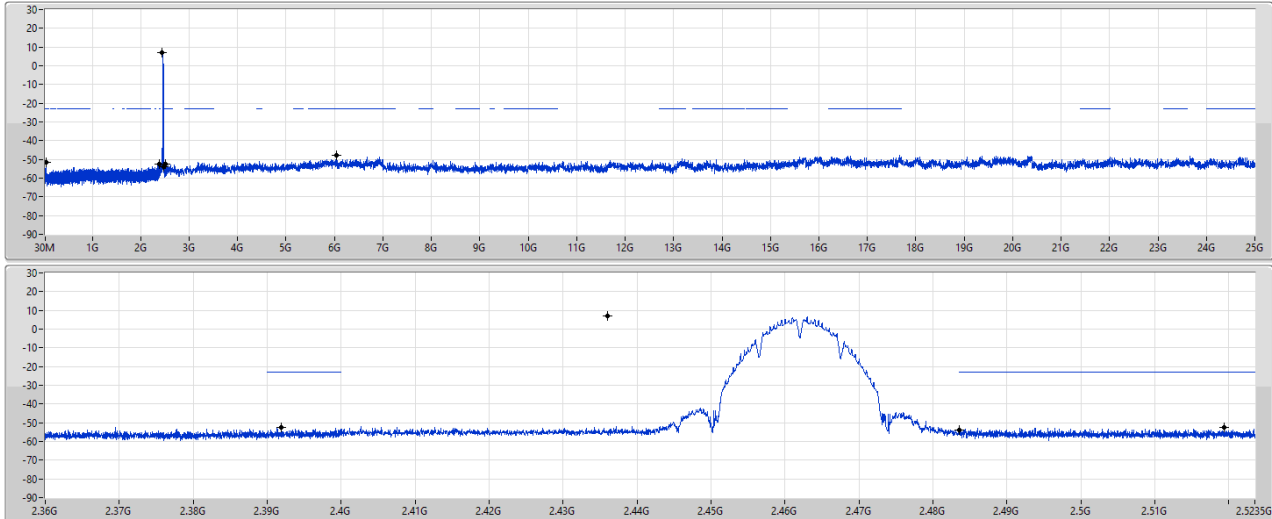
## 802.11b\_Nss1,(1Mbps)\_1TX

2462MHz

CSENdB

11/02/2022

Port 1



| 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 | 7.00     | -23.00     | 49.81M   | -51.51     | 2.39194G | -52.55     | 2.4835G  | -53.92     | 2.5193G  | -52.60     | 6.04669G | -48.02     | 1    |

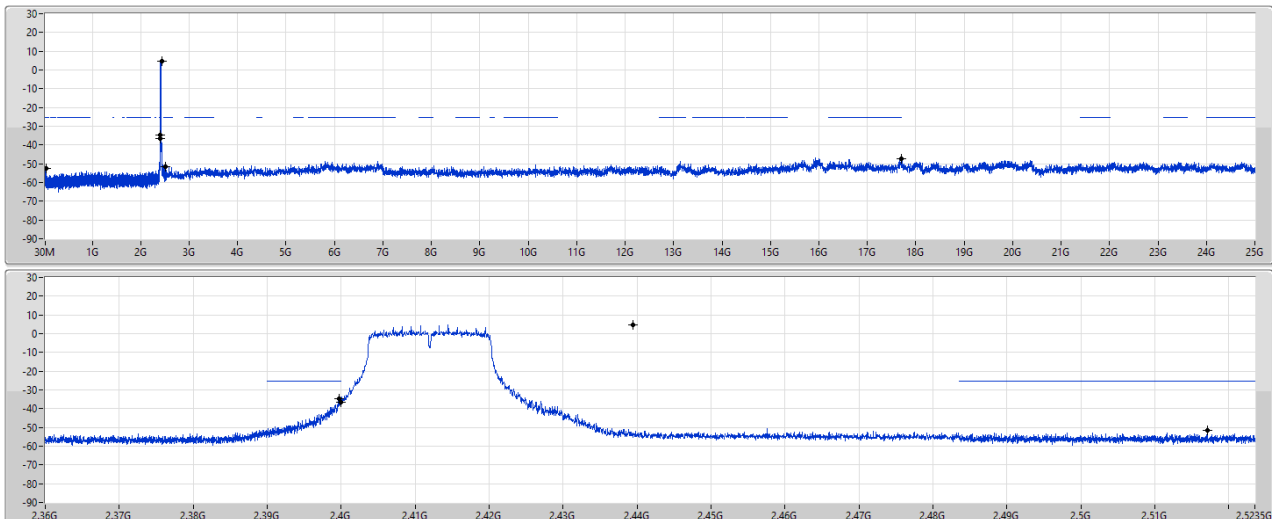
## 802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

CSENdB

11/02/2022

Port 1



| 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 |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.4395G | 4.72     | -25.28     | 47.77M   | -52.56     | 2.39966G | -34.51     | 2.4G     | -36.38     | 2.51712G | -51.73     | 17.69795G | -47.13     | 1    |

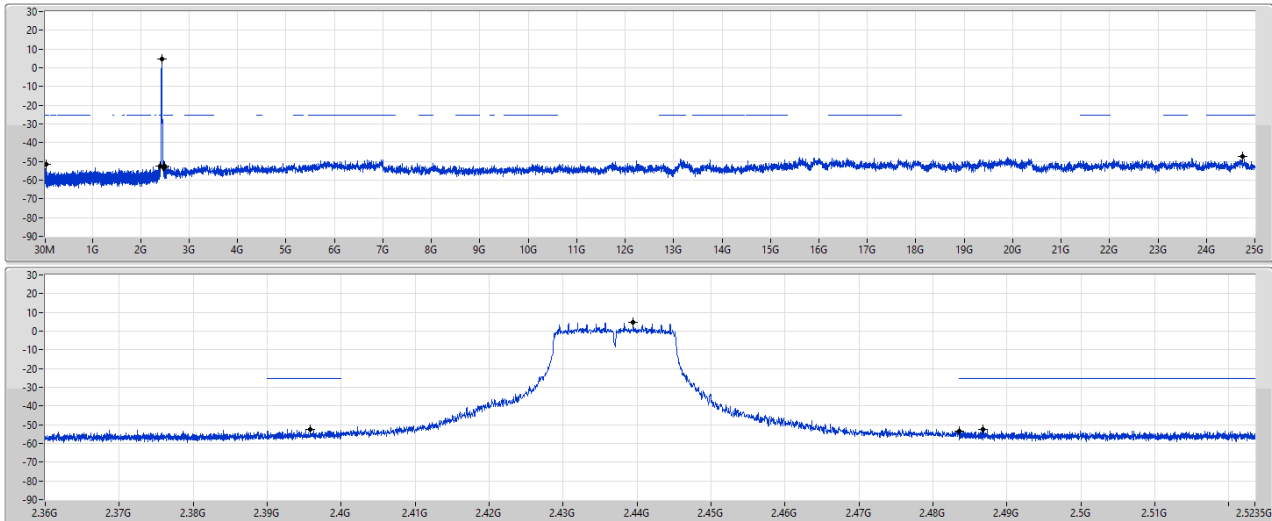
## 802.11g\_Nss1,(6Mbps)\_1TX

2437MHz

CSENdB

11/02/2022

Port 1



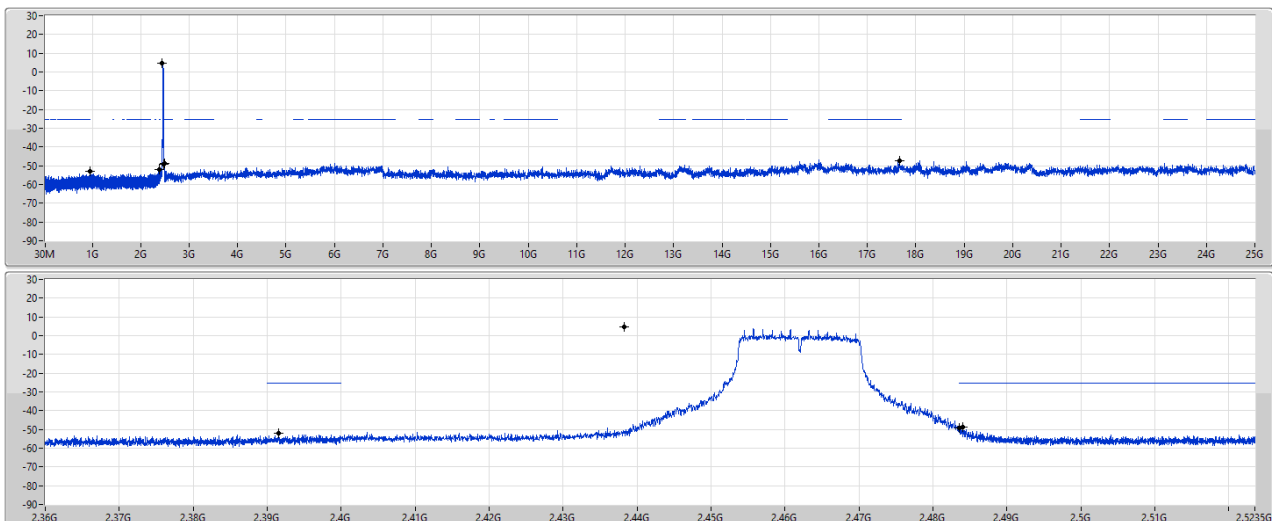
## 802.11g\_Nss1,(6Mbps)\_1TX

2462MHz

CSENdB

11/02/2022

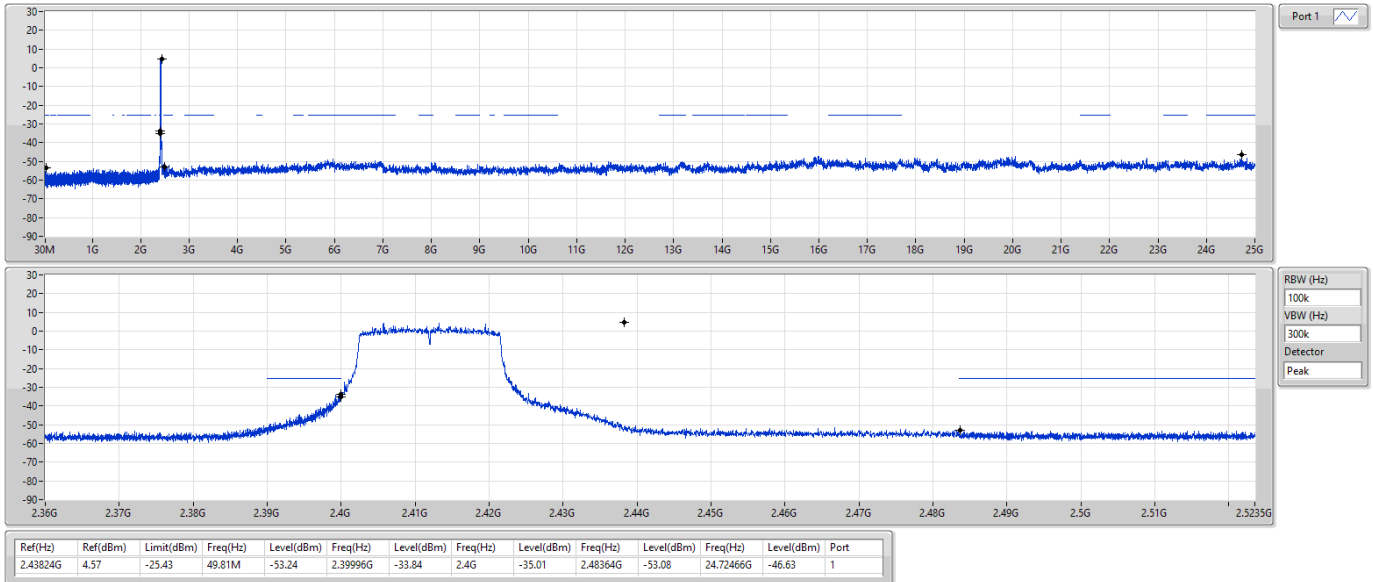
Port 1



802.11ax HEW20\_Nss1,(MCS0)\_1TX

CSENdB

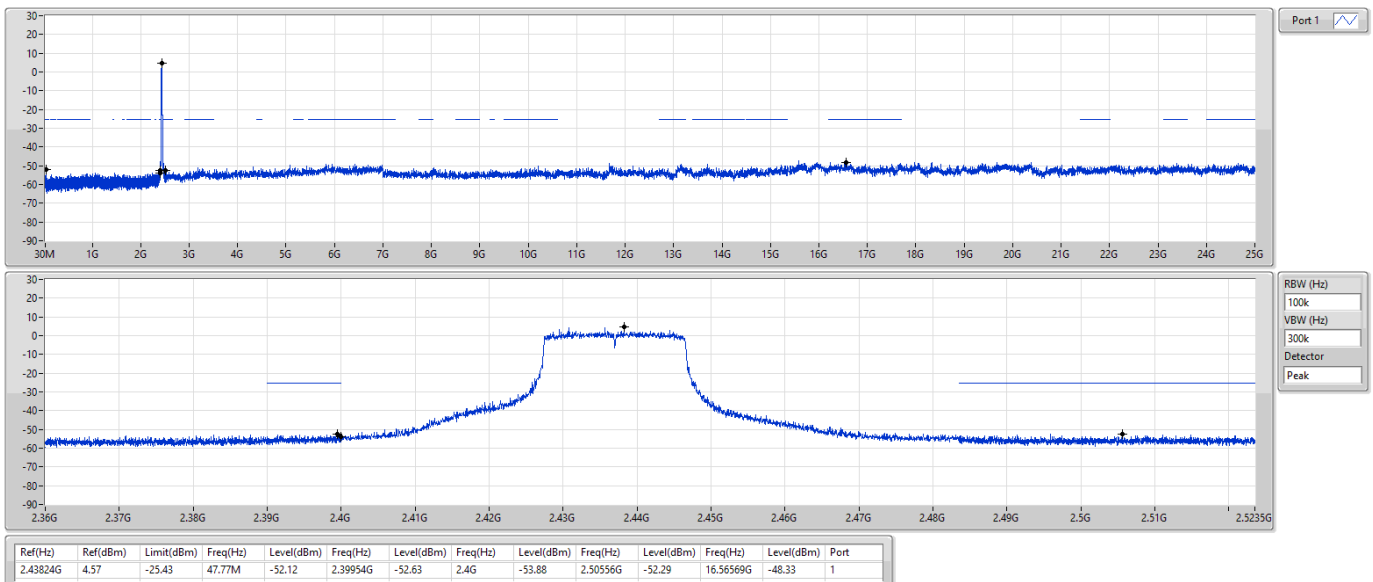
2412MHz



802.11ax HEW20\_Nss1,(MCS0)\_1TX

CSENdB

2437MHz



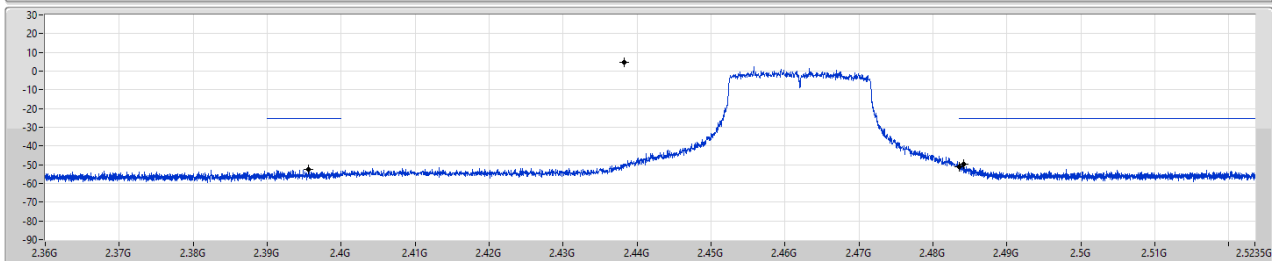
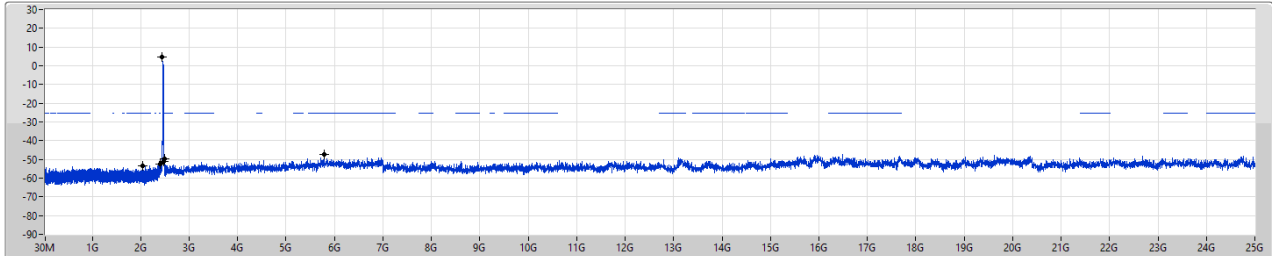
802.11ax HEW20\_Nss1,(MCS0)\_1TX

CSEndB

2462MHz

11/02/2022

Port 1



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 |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.43824G | 4.57     | -25.43     | 2.04166G | -53.53     | 2.3956G  | -52.58     | 2.4835G  | -50.99     | 2.48412G | -49.67     | 5.79383G | -47.34     | 1    |

**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)_2TX       | Pass   | 2.43753G    | 7.39         | -22.61         | 2.06001G     | -53.37         | 2.4G         | -44.80         | 2.4G         | -50.28         | 2.52086G     | -51.48         | 7.23514G     | -40.36         | 2    |
| 802.11g_Nss1,(6Mbps)_2TX       | Pass   | 2.4395G     | 5.43         | -24.57         | 903.17M      | -53.19         | 2.39964G     | -34.27         | 2.4G         | -35.36         | 2.48956G     | -51.13         | 7.23795G     | -43.71         | 1    |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | 2.43323G    | 4.86         | -25.14         | 2.11622G     | -53.02         | 2.39974G     | -32.73         | 2.4G         | -33.90         | 2.48706G     | -51.14         | 7.23514G     | -43.34         | 1    |

## Result

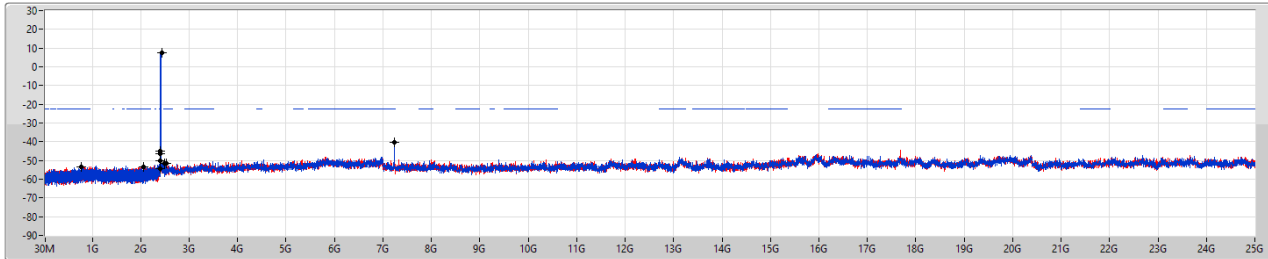
| Mode                           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|--------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43753G    | 7.39         | -22.61         | 779.39M      | -53.37         | 2.39952G     | -46.36         | 2.4G         | -54.30         | 2.48608G     | -51.69         | 7.23514G     | -40.43         | 1    |
| 2412MHz                        | Pass   | 2.43753G    | 7.39         | -22.61         | 2.06001G     | -53.37         | 2.4G         | -44.80         | 2.4G         | -50.28         | 2.52086G     | -51.48         | 7.23514G     | -40.36         | 2    |
| 2437MHz                        | Pass   | 2.43753G    | 7.39         | -22.61         | 956.18M      | -52.42         | 2.3975G      | -52.43         | 2.4G         | -54.30         | 2.48374G     | -51.36         | 17.05737G    | -46.88         | 1    |
| 2437MHz                        | Pass   | 2.43753G    | 7.39         | -22.61         | 2.17913G     | -52.88         | 2.39722G     | -51.69         | 2.4835G      | -54.39         | 2.50918G     | -51.89         | 21.45995G    | -47.21         | 2    |
| 2462MHz                        | Pass   | 2.43753G    | 7.39         | -22.61         | 1.84857G     | -52.83         | 2.39414G     | -52.31         | 2.4G         | -53.89         | 2.48728G     | -50.70         | 24.764G      | -46.85         | 1    |
| 2462MHz                        | Pass   | 2.43753G    | 7.39         | -22.61         | 2.18991G     | -53.17         | 2.3956G      | -51.70         | 2.4835G      | -54.60         | 2.48364G     | -51.27         | 16.48703G    | -47.13         | 2    |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.4395G     | 5.43         | -24.57         | 903.17M      | -53.19         | 2.39964G     | -34.27         | 2.4G         | -35.36         | 2.48956G     | -51.13         | 7.23795G     | -43.71         | 1    |
| 2412MHz                        | Pass   | 2.4395G     | 5.43         | -24.57         | 2.16399G     | -53.69         | 2.39952G     | -34.31         | 2.4G         | -36.35         | 2.51374G     | -51.84         | 7.22952G     | -43.67         | 2    |
| 2437MHz                        | Pass   | 2.4395G     | 5.43         | -24.57         | 955.01M      | -52.61         | 2.399G       | -51.85         | 2.4G         | -53.66         | 2.4971G      | -51.35         | 16.32126G    | -46.35         | 1    |
| 2437MHz                        | Pass   | 2.4395G     | 5.43         | -24.57         | 2.18467G     | -53.54         | 2.3979G      | -51.98         | 2.4G         | -53.20         | 2.49694G     | -51.38         | 17.65861G    | -46.85         | 2    |
| 2462MHz                        | Pass   | 2.4395G     | 5.43         | -24.57         | 2.30525G     | -53.18         | 2.39692G     | -50.72         | 2.4835G      | -50.25         | 2.4835G      | -47.67         | 17.6839G     | -46.56         | 1    |
| 2462MHz                        | Pass   | 2.4395G     | 5.43         | -24.57         | 1.79032G     | -51.77         | 2.39042G     | -52.31         | 2.4835G      | -49.91         | 2.48386G     | -49.67         | 16.61346G    | -45.83         | 2    |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43323G    | 4.86         | -25.14         | 2.11622G     | -53.02         | 2.39974G     | -32.73         | 2.4G         | -33.90         | 2.48706G     | -51.14         | 7.23514G     | -43.34         | 1    |
| 2412MHz                        | Pass   | 2.43323G    | 4.86         | -25.14         | 1.84536G     | -52.35         | 2.39998G     | -34.55         | 2.4G         | -34.77         | 2.48892G     | -51.60         | 7.23233G     | -43.86         | 2    |
| 2437MHz                        | Pass   | 2.43323G    | 4.86         | -25.14         | 864.72M      | -52.31         | 2.39406G     | -51.76         | 2.4G         | -53.95         | 2.49232G     | -51.97         | 24.77243G    | -46.36         | 1    |
| 2437MHz                        | Pass   | 2.43323G    | 4.86         | -25.14         | 2.17127G     | -52.80         | 2.39474G     | -51.95         | 2.4G         | -53.96         | 2.5124G      | -51.08         | 13.21389G    | -46.90         | 2    |
| 2462MHz                        | Pass   | 2.43323G    | 4.86         | -25.14         | 1.92604G     | -52.38         | 2.3952G      | -51.82         | 2.4835G      | -49.91         | 2.48354G     | -46.40         | 16.28474G    | -46.80         | 1    |
| 2462MHz                        | Pass   | 2.43323G    | 4.86         | -25.14         | 2.11681G     | -53.42         | 2.39716G     | -51.96         | 2.4835G      | -51.02         | 2.48364G     | -50.52         | 16.29317G    | -47.14         | 2    |

## 802.11b\_Nss1,(1Mbps)\_2TX

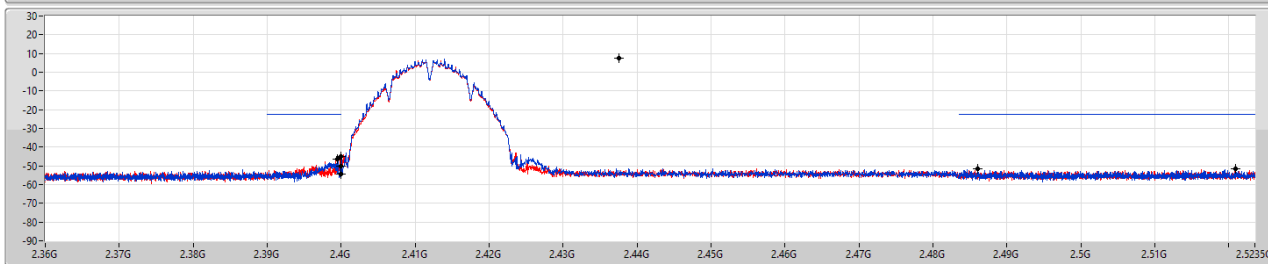
2412MHz

CSENdB

21/01/2022



Port 1  
Port 2



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

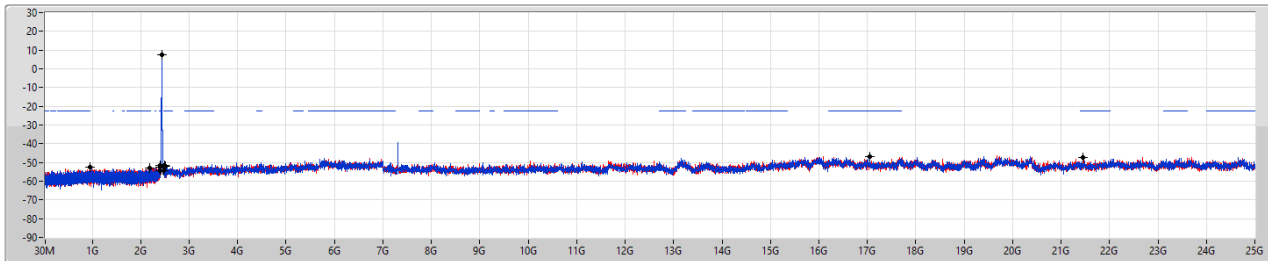
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.43753G | 7.39     | -22.61     | 779.39M  | -53.37     | 2.39952G | -46.36     | 2.4G     | -54.30     | 2.48608G | -51.69     | 7.23514G | -40.43     | 1    |
| 2.43753G | 7.39     | -22.61     | 2.06001G | -53.37     | 2.4G     | -44.80     | 2.4G     | -50.28     | 2.52086G | -51.48     | 7.23514G | -40.36     | 2    |

## 802.11b\_Nss1,(1Mbps)\_2TX

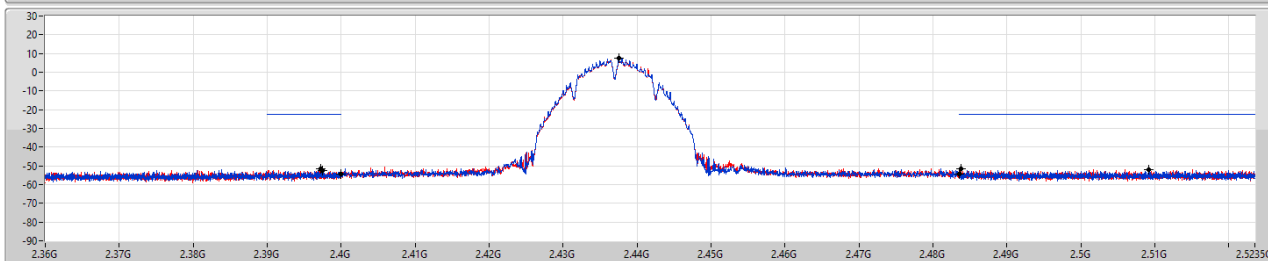
2437MHz

CSENdB

21/01/2022



Port 1  
Port 2



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

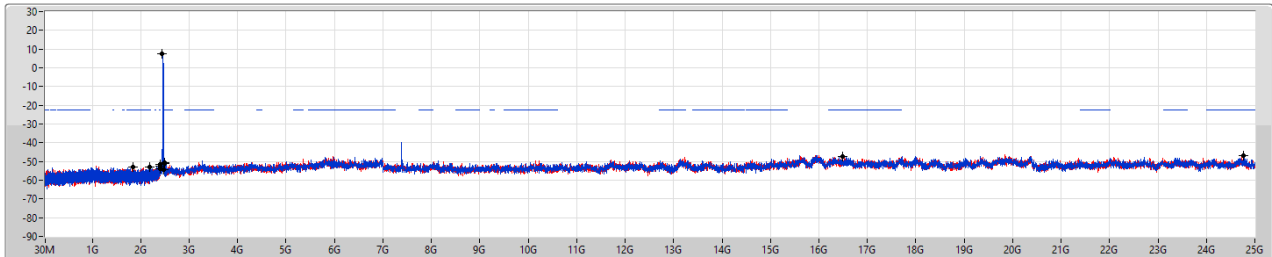
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43753G | 7.39     | -22.61     | 956.18M  | -52.42     | 2.3975G  | -52.43     | 2.4G     | -54.30     | 2.48374G | -51.36     | 17.05737G | -46.88     | 1    |
| 2.43753G | 7.39     | -22.61     | 2.17913G | -52.88     | 2.39722G | -51.69     | 2.4835G  | -54.39     | 2.50918G | -51.89     | 21.45995G | -47.21     | 2    |

## 802.11b\_Nss1,(1Mbps)\_2TX

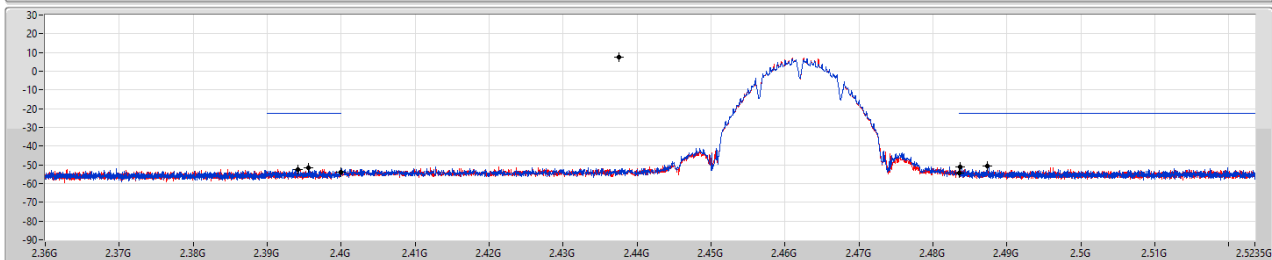
2462MHz

CSENdB

21/01/2022



Port 1  
Port 2



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

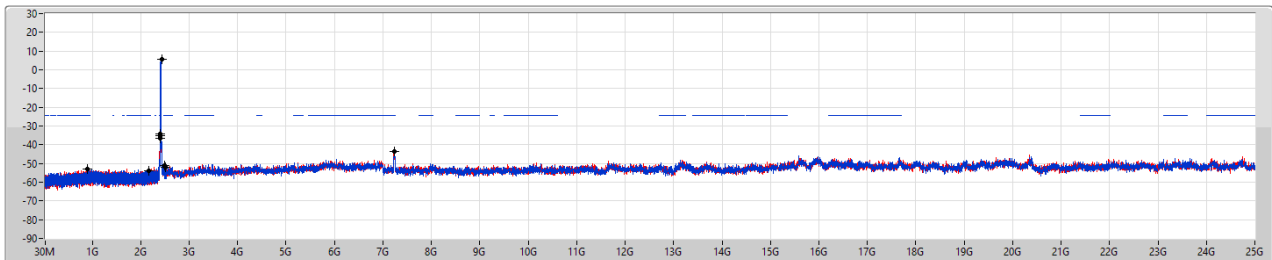
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43753G | 7.39     | -22.61     | 1.84857G | -52.83     | 2.39414G | -52.31     | 2.4G     | -53.89     | 2.48728G | -50.70     | 2.4764G   | -46.85     | 1    |
| 2.43753G | 7.39     | -22.61     | 2.18991G | -53.17     | 2.3956G  | -51.70     | 2.4835G  | -54.60     | 2.48364G | -51.27     | 16.48709G | -47.13     | 2    |

## 802.11g\_Nss1,(6Mbps)\_2TX

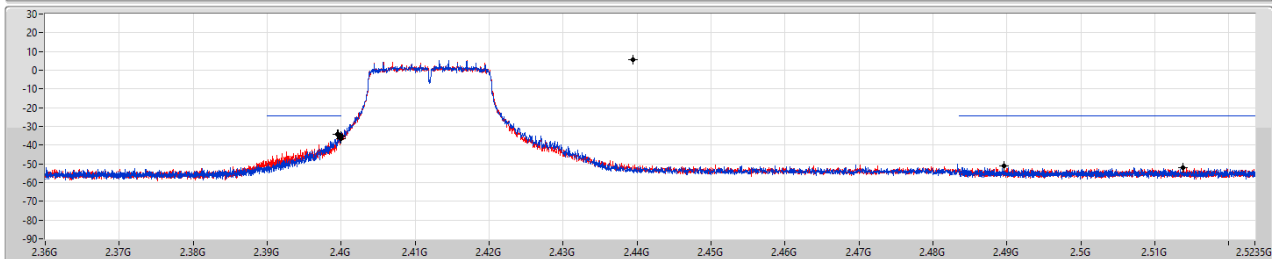
2412MHz

CSENdB

21/01/2022



Port 1  
Port 2



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

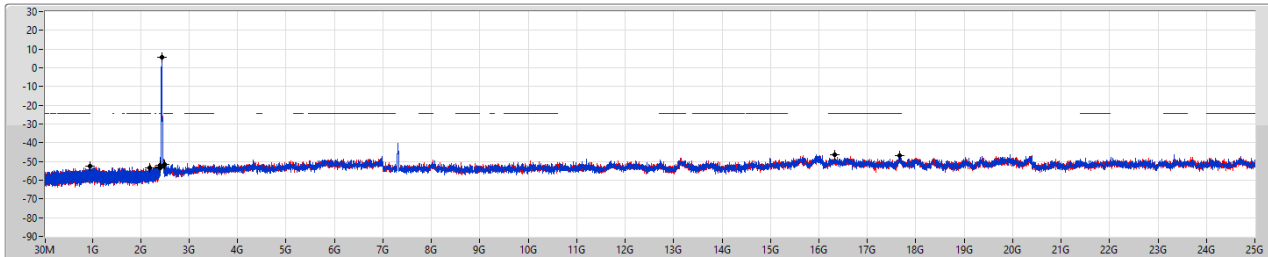
| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.4395G | 5.43     | -24.57     | 903.17M  | -53.19     | 2.39964G | -34.27     | 2.4G     | -35.36     | 2.48956G | -51.13     | 7.23795G | -43.71     | 1    |
| 2.4395G | 5.43     | -24.57     | 2.16399G | -53.69     | 2.39952G | -34.31     | 2.4G     | -36.35     | 2.51374G | -51.84     | 7.22952G | -43.67     | 2    |

## 802.11g\_Nss1,(6Mbps)\_2TX

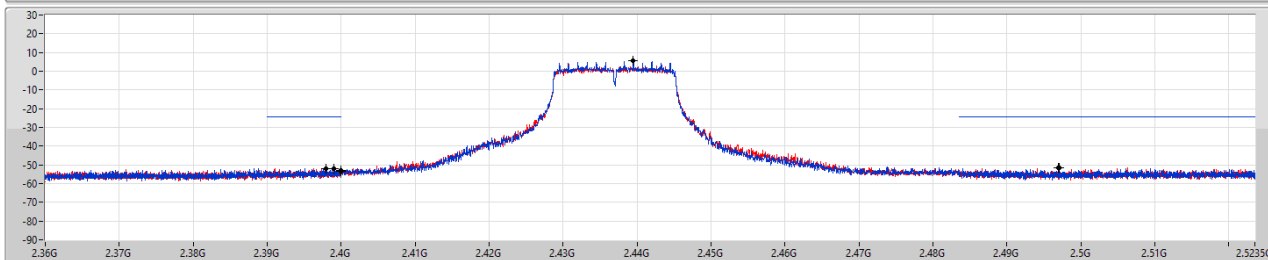
2437MHz

CSENdB

21/01/2022



Port 1  
Port 2



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

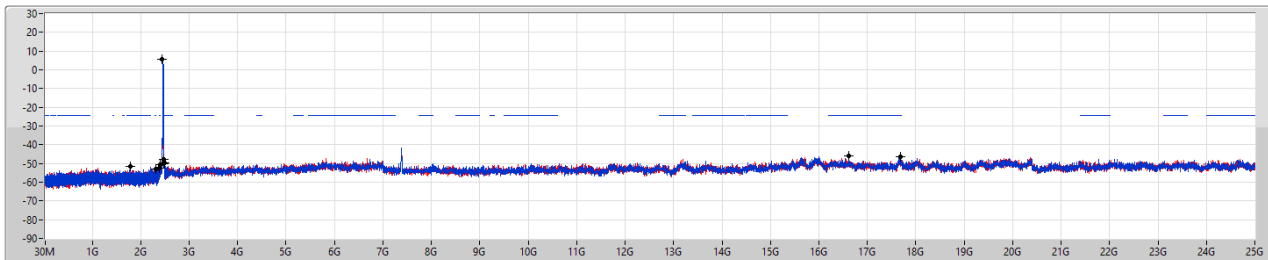
| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.4395G | 5.43     | -24.57     | 955.01M  | -52.61     | 2.399G   | -51.85     | 2.4G     | -53.66     | 2.4971G  | -51.35     | 16.32126G | -46.35     | 1    |
| 2.4395G | 5.43     | -24.57     | 2.18467G | -53.54     | 2.3979G  | -51.98     | 2.4G     | -53.20     | 2.49694G | -51.38     | 17.65861G | -46.85     | 2    |

## 802.11g\_Nss1,(6Mbps)\_2TX

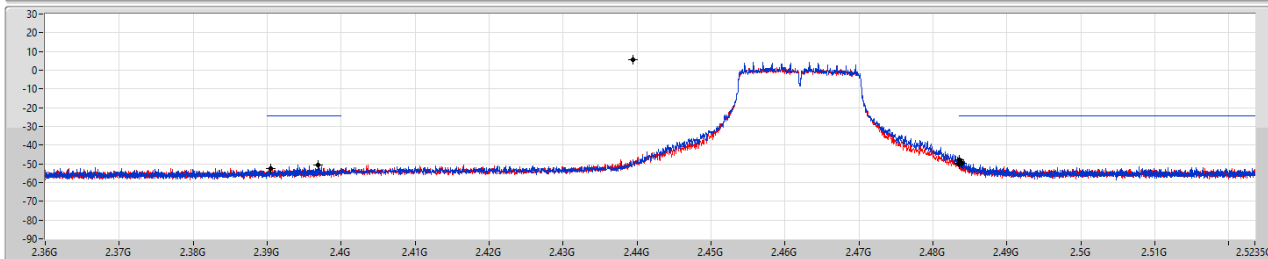
2462MHz

CSENdB

21/01/2022



Port 1  
Port 2



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

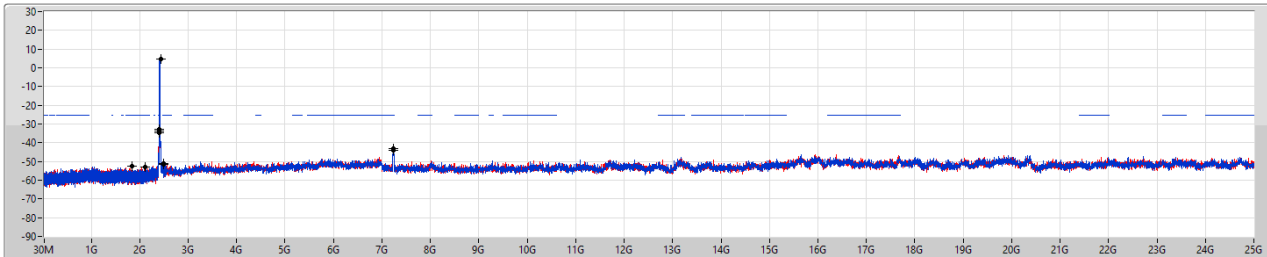
| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.4395G | 5.43     | -24.57     | 2.30525G | -53.18     | 2.39692G | -50.72     | 2.4835G  | -50.25     | 2.4835G  | -47.67     | 17.6839G  | -46.56     | 1    |
| 2.4395G | 5.43     | -24.57     | 1.79032G | -51.77     | 2.39042G | -52.31     | 2.4835G  | -49.91     | 2.48386G | -49.67     | 16.61346G | -45.83     | 2    |

802.11ax HEW20\_Nss1,(MCS0)\_2TX

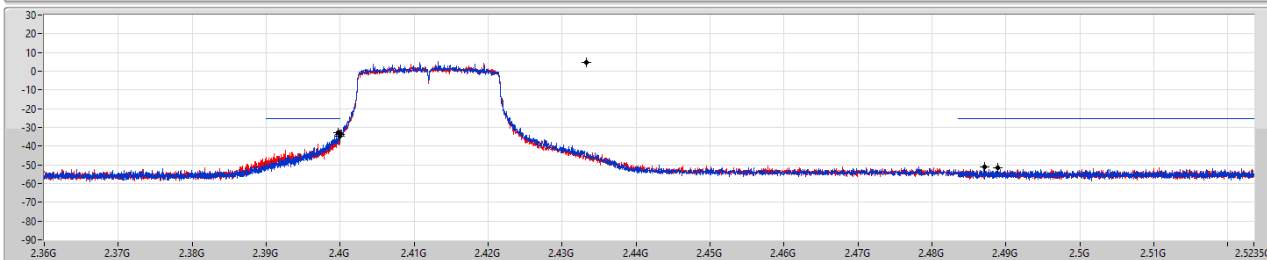
CSENdB

2412MHz

21/01/2022



Port 1  
Port 2



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

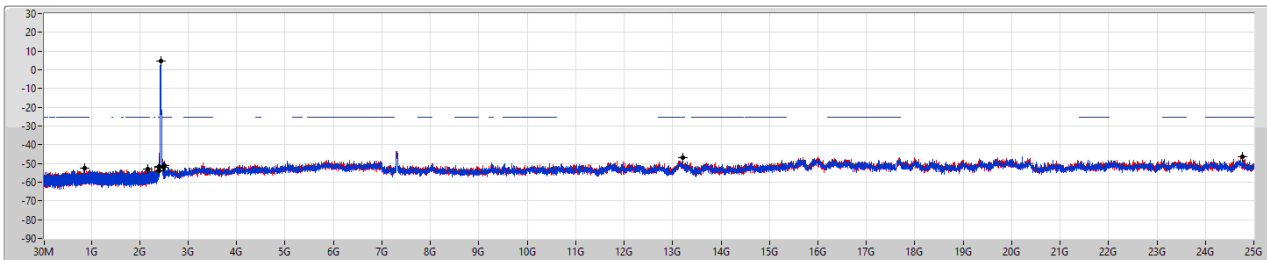
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.43323G | 4.86     | -25.14     | 2.11622G | -53.02     | 2.39974G | -32.73     | 2.4G     | -33.90     | 2.48706G | -51.14     | 7.23514G | -43.34     | 1    |
| 2.43323G | 4.86     | -25.14     | 1.84536G | -52.35     | 2.39998G | -34.55     | 2.4G     | -34.77     | 2.48892G | -51.60     | 7.23233G | -43.86     | 2    |

802.11ax HEW20\_Nss1,(MCS0)\_2TX

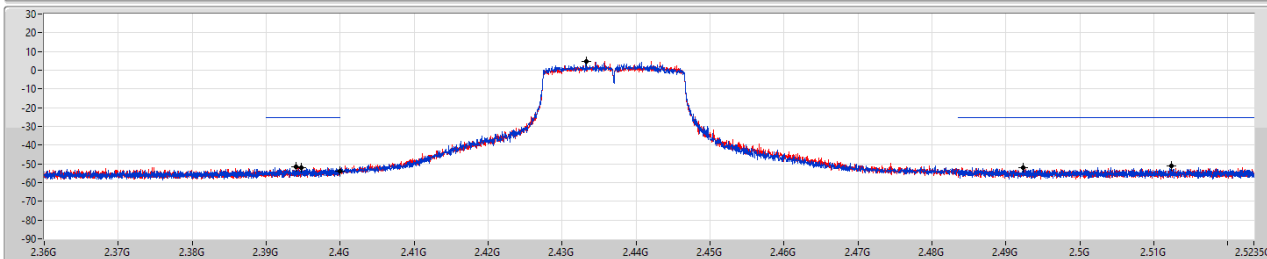
CSENdB

2437MHz

21/01/2022



Port 1  
Port 2



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

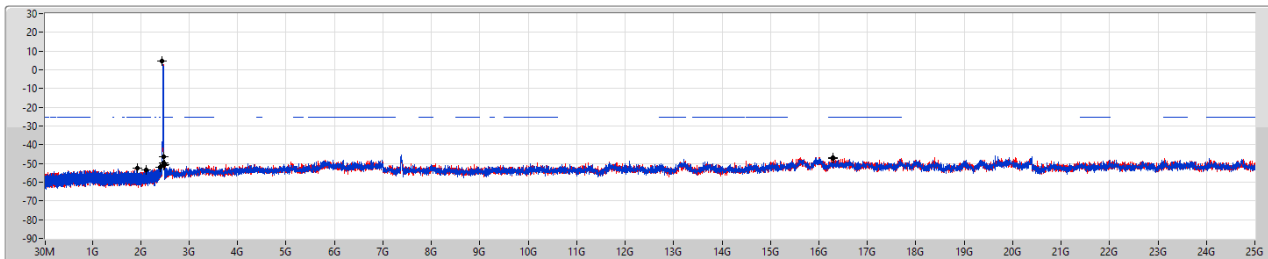
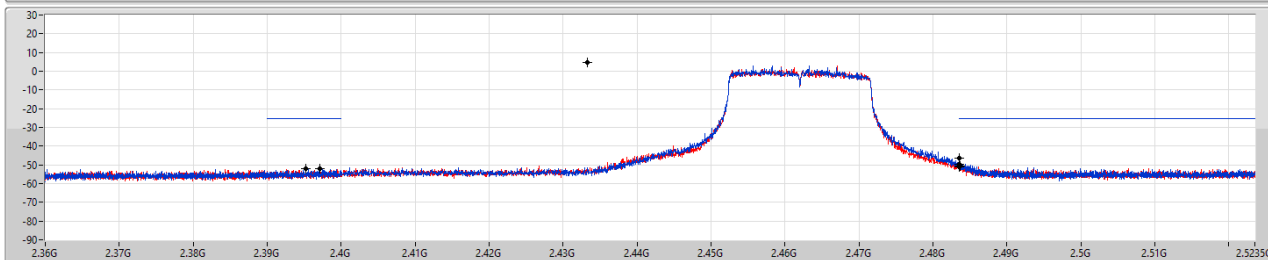
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43323G | 4.86     | -25.14     | 864.72M  | -52.31     | 2.39406G | -51.76     | 2.4G     | -53.95     | 2.49232G | -51.97     | 24.77243G | -46.36     | 1    |
| 2.43323G | 4.86     | -25.14     | 2.17127G | -52.80     | 2.39474G | -51.95     | 2.4G     | -53.96     | 2.51245G | -51.08     | 13.21389G | -46.90     | 2    |

802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSEndB

2462MHz

21/01/2022

Port 1  
Port 2RBW (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 |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43323G | 4.86     | -25.14     | 1.92604G | -52.38     | 2.3952G  | -51.82     | 2.4835G  | -49.91     | 2.48354G | -46.40     | 16.28474G | -46.80     | 1    |
| 2.43323G | 4.86     | -25.14     | 2.11681G | -53.42     | 2.39716G | -51.96     | 2.4835G  | -51.02     | 2.48364G | -50.52     | 16.29317G | -47.14     | 2    |

**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    | 8.77         | -21.23         | 654.73M      | -53.14         | 2.3998G      | -45.21         | 2.4G         | -48.20         | 2.49986G     | -51.11         | 7.23514G     | -39.93         | 3    |
| 802.11g_Nss1,(6Mbps)_4TX       | Pass   | 2.44196G    | 5.29         | -24.71         | 1.85905G     | -52.85         | 2.39966G     | -35.46         | 2.4G         | -36.15         | 2.48782G     | -51.53         | 7.23233G     | -43.39         | 1    |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass   | 2.442G      | 5.80         | -24.20         | 494.25M      | -52.61         | 2.39998G     | -35.58         | 2.4G         | -36.45         | 2.49114G     | -51.98         | 7.23233G     | -45.14         | 1    |

## Result

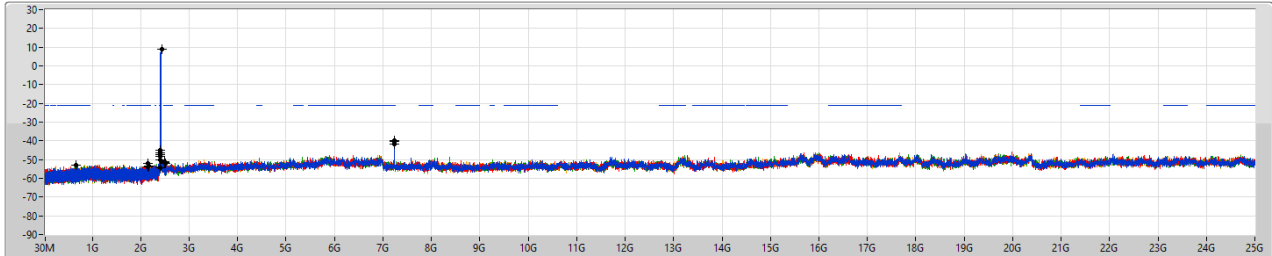
| Mode                           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|--------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_Nss1,(1Mbps)_4TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 2.14622G     | -53.70         | 2.39934G     | -46.43         | 2.4G         | -54.21         | 2.51252G     | -51.88         | 7.23795G     | -41.81         | 1    |
| 2412MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 2.16836G     | -53.44         | 2.39978G     | -46.45         | 2.4G         | -50.31         | 2.4872G      | -51.56         | 7.23514G     | -40.17         | 2    |
| 2412MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 654.73M      | -53.14         | 2.3998G      | -45.21         | 2.4G         | -48.20         | 2.49986G     | -51.11         | 7.23514G     | -39.93         | 3    |
| 2412MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 2.14855G     | -52.26         | 2.39964G     | -46.34         | 2.4G         | -47.43         | 2.49764G     | -51.78         | 7.23514G     | -40.28         | 4    |
| 2437MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 813.17M      | -53.10         | 2.3903G      | -51.51         | 2.4G         | -54.35         | 2.52122G     | -51.51         | 16.36902G    | -46.93         | 1    |
| 2437MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 597.06M      | -52.95         | 2.39728G     | -51.12         | 2.4835G      | -53.81         | 2.484G       | -51.88         | 16.60784G    | -47.36         | 2    |
| 2437MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 200.09M      | -53.75         | 2.39932G     | -51.74         | 2.4835G      | -53.39         | 2.48402G     | -51.90         | 16.63312G    | -46.30         | 3    |
| 2437MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 1.95924G     | -53.37         | 2.39778G     | -51.97         | 2.4835G      | -54.54         | 2.50846G     | -51.71         | 24.10094G    | -46.97         | 4    |
| 2462MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 2.13603G     | -52.89         | 2.39452G     | -51.18         | 2.4G         | -54.26         | 2.52068G     | -51.80         | 17.67547G    | -46.85         | 1    |
| 2462MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 871.13M      | -53.15         | 2.39304G     | -51.63         | 2.4835G      | -54.14         | 2.48532G     | -51.82         | 16.64436G    | -47.42         | 2    |
| 2462MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 1.84886G     | -53.28         | 2.39942G     | -52.18         | 2.4835G      | -54.12         | 2.50276G     | -51.84         | 16.51512G    | -46.76         | 3    |
| 2462MHz                        | Pass   | 2.43599G    | 8.77         | -21.23         | 2.18525G     | -52.52         | 2.39222G     | -51.84         | 2.4G         | -53.88         | 2.52108G     | -52.05         | 23.40698G    | -47.13         | 4    |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 1.85905G     | -52.85         | 2.39966G     | -35.46         | 2.4G         | -36.15         | 2.48782G     | -51.53         | 7.23233G     | -43.39         | 1    |
| 2412MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 859.19M      | -52.88         | 2.3997G      | -35.94         | 2.4G         | -36.67         | 2.48548G     | -51.69         | 7.22671G     | -45.07         | 2    |
| 2412MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 2.19748G     | -53.10         | 2.39986G     | -37.34         | 2.4G         | -38.06         | 2.48358G     | -51.92         | 7.24076G     | -43.25         | 3    |
| 2412MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 2.01429G     | -53.28         | 2.39998G     | -37.85         | 2.4G         | -37.77         | 2.5074G      | -51.66         | 7.22952G     | -45.99         | 4    |
| 2437MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 2.30117G     | -52.73         | 2.39964G     | -51.35         | 2.4G         | -52.53         | 2.51078G     | -51.41         | 16.26507G    | -47.26         | 1    |
| 2437MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 2.18379G     | -53.28         | 2.39738G     | -51.95         | 2.4G         | -53.42         | 2.50546G     | -51.77         | 17.00118G    | -47.65         | 2    |
| 2437MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 786.96M      | -52.68         | 2.39302G     | -52.08         | 2.4835G      | -54.30         | 2.48924G     | -51.76         | 16.87755G    | -46.58         | 3    |
| 2437MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 1.88089G     | -53.51         | 2.39808G     | -51.73         | 2.4G         | -54.70         | 2.50868G     | -51.55         | 23.56712G    | -46.18         | 4    |
| 2462MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 1.63537G     | -53.46         | 2.39082G     | -51.92         | 2.4835G      | -51.72         | 2.4836G      | -51.05         | 17.65018G    | -46.86         | 1    |
| 2462MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 2.15962G     | -52.52         | 2.3945G      | -52.05         | 2.4835G      | -52.50         | 2.4836G      | -50.74         | 16.69493G    | -46.75         | 2    |
| 2462MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 2.30874G     | -53.04         | 2.39676G     | -52.52         | 2.4835G      | -53.51         | 2.50508G     | -51.28         | 17.66985G    | -45.58         | 3    |
| 2462MHz                        | Pass   | 2.44196G    | 5.29         | -24.71         | 625.02M      | -52.89         | 2.39956G     | -52.57         | 2.4835G      | -53.65         | 2.50156G     | -51.43         | 24.84547G    | -46.81         | 4    |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 494.25M      | -52.61         | 2.39998G     | -35.58         | 2.4G         | -36.45         | 2.49114G     | -51.98         | 7.23233G     | -45.14         | 1    |
| 2412MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.07632G     | -52.47         | 2.39982G     | -36.54         | 2.4G         | -39.20         | 2.50244G     | -51.05         | 7.24076G     | -44.57         | 2    |
| 2412MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.03555G     | -53.57         | 2.3998G      | -37.97         | 2.4G         | -35.72         | 2.51556G     | -51.97         | 7.23233G     | -46.11         | 3    |
| 2412MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 349.5M       | -53.18         | 2.39942G     | -35.91         | 2.4G         | -37.55         | 2.50198G     | -52.09         | 7.23514G     | -47.26         | 4    |
| 2437MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.19981G     | -53.06         | 2.39812G     | -51.47         | 2.4G         | -53.01         | 2.5023G      | -51.71         | 16.61065G    | -47.50         | 1    |
| 2437MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 474.45M      | -52.45         | 2.39948G     | -52.35         | 2.4835G      | -53.60         | 2.48678G     | -50.92         | 17.68952G    | -46.41         | 2    |
| 2437MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.17622G     | -53.02         | 2.39884G     | -50.59         | 2.4835G      | -53.40         | 2.48472G     | -51.20         | 16.5685G     | -47.59         | 3    |
| 2437MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.0772G      | -53.03         | 2.39838G     | -50.97         | 2.4G         | -54.10         | 2.5191G      | -51.55         | 5.82474G     | -47.27         | 4    |
| 2462MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.1503G      | -53.44         | 2.39014G     | -51.98         | 2.4835G      | -53.07         | 2.48366G     | -50.48         | 24.73309G    | -46.28         | 1    |
| 2462MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.30758G     | -53.15         | 2.39516G     | -51.91         | 2.4835G      | -54.76         | 2.48574G     | -50.96         | 17.63895G    | -47.41         | 2    |
| 2462MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.15409G     | -52.78         | 2.39818G     | -51.58         | 2.4835G      | -54.02         | 2.52274G     | -51.41         | 17.69233G    | -47.13         | 3    |
| 2462MHz                        | Pass   | 2.442G      | 5.80         | -24.20         | 2.18379G     | -52.69         | 2.398G       | -52.26         | 2.4835G      | -54.92         | 2.48622G     | -51.02         | 16.64436G    | -47.84         | 4    |

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

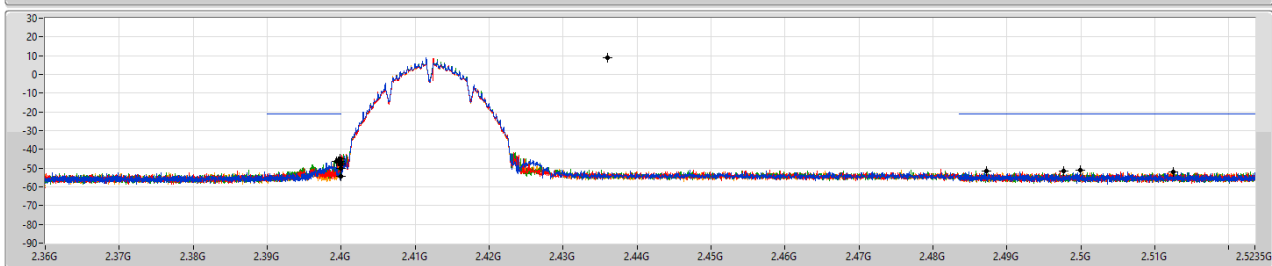
2412MHz

CSENdB

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

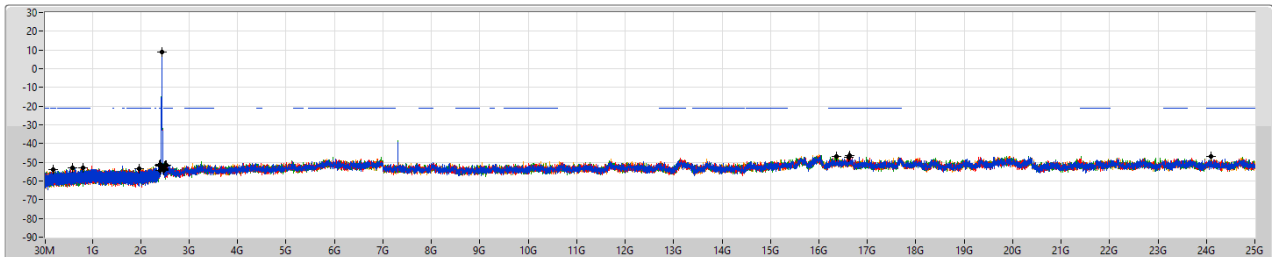
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.43599G | 8.77     | -21.23     | 2.14622G | -53.70     | 2.39934G | -46.43     | 2.4G     | -54.21     | 2.51252G | -51.88     | 7.23795G | -41.81     | 1    |
| 2.43599G | 8.77     | -21.23     | 2.16836G | -53.44     | 2.39978G | -46.45     | 2.4G     | -50.31     | 2.4872G  | -51.56     | 7.23514G | -40.17     | 2    |
| 2.43599G | 8.77     | -21.23     | 654.73M  | -53.14     | 2.3998G  | -45.21     | 2.4G     | -48.20     | 2.49986G | -51.11     | 7.23514G | -39.93     | 3    |
| 2.43599G | 8.77     | -21.23     | 2.14855G | -52.26     | 2.39964G | -46.34     | 2.4G     | -47.43     | 2.49764G | -51.78     | 7.23514G | -40.28     | 4    |

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

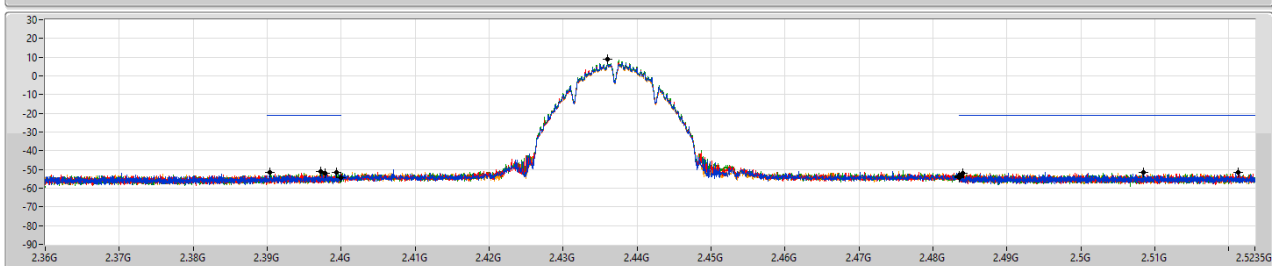
2437MHz

CSENdB

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

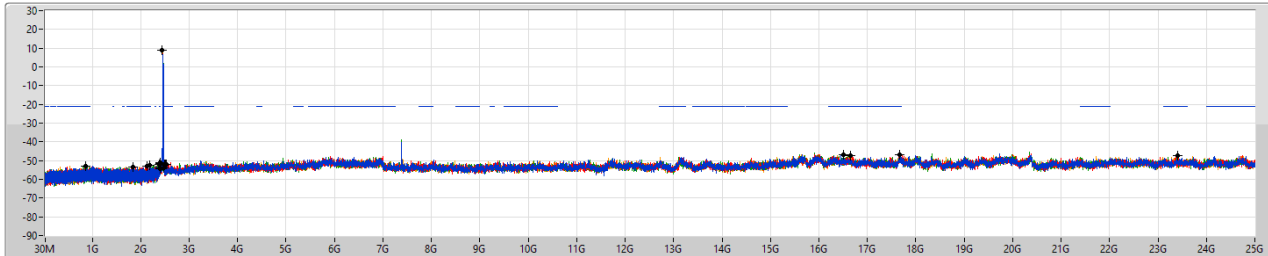
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43599G | 8.77     | -21.23     | 813.17M  | -53.10     | 2.3903G  | -51.51     | 2.4G     | -54.35     | 2.52122G | -51.51     | 16.36902G | -46.93     | 1    |
| 2.43599G | 8.77     | -21.23     | 597.06M  | -52.95     | 2.39728G | -51.12     | 2.4835G  | -53.81     | 2.484G   | -51.88     | 16.60784G | -47.36     | 2    |
| 2.43599G | 8.77     | -21.23     | 200.09M  | -53.75     | 2.39932G | -51.74     | 2.4835G  | -53.39     | 2.48402G | -51.90     | 16.63312G | -46.30     | 3    |
| 2.43599G | 8.77     | -21.23     | 1.95924G | -53.37     | 2.39778G | -51.97     | 2.4835G  | -54.54     | 2.50846G | -51.71     | 24.10094G | -46.97     | 4    |

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

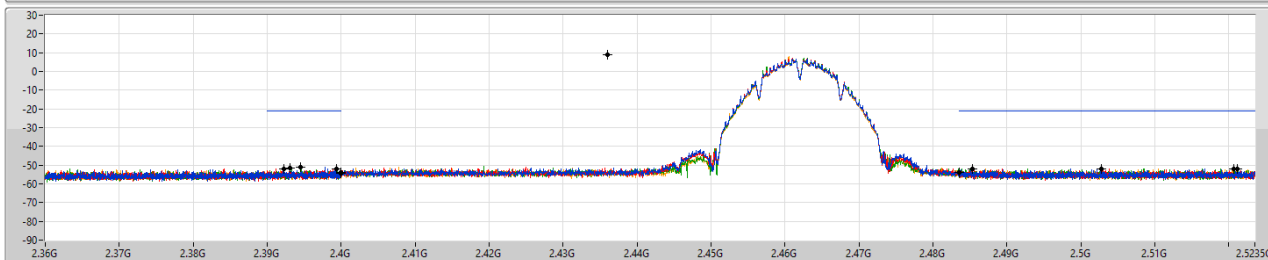
2462MHz

CSENdB

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

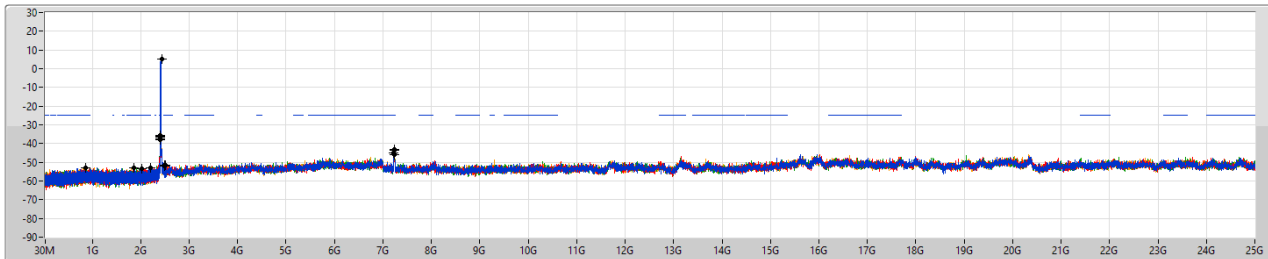
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.43599G | 8.77     | -21.23     | 2.13603G | -52.89     | 2.39452G | -51.18     | 2.4G     | -54.26     | 2.52068G | -51.80     | 17.67547G | -46.85     | 1    |
| 2.43599G | 8.77     | -21.23     | 871.13M  | -53.15     | 2.39304G | -51.63     | 2.4835G  | -54.14     | 2.48532G | -51.82     | 16.64436G | -47.42     | 2    |
| 2.43599G | 8.77     | -21.23     | 1.84886G | -53.28     | 2.39942G | -52.18     | 2.4835G  | -54.12     | 2.50276G | -51.84     | 16.51512G | -46.76     | 3    |
| 2.43599G | 8.77     | -21.23     | 2.18525G | -52.52     | 2.39222G | -51.84     | 2.4G     | -53.88     | 2.52108G | -52.05     | 23.40698G | -47.13     | 4    |

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

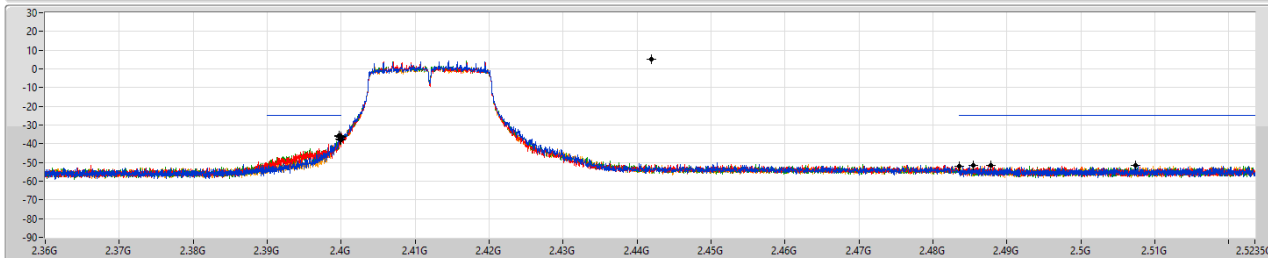
2412MHz

CSENdB

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

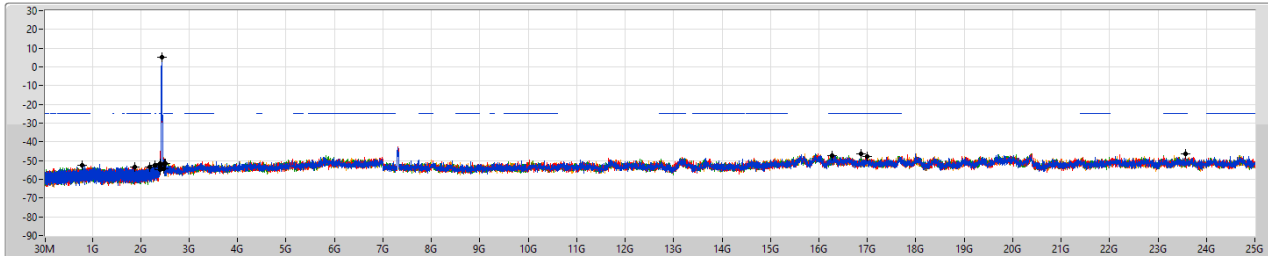
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.44196G | 5.29     | -24.71     | 1.85905G | -52.85     | 2.39966G | -35.46     | 2.4G     | -36.15     | 2.48782G | -51.53     | 7.23233G | -43.39     | 1    |
| 2.44196G | 5.29     | -24.71     | 859.19M  | -52.88     | 2.3997G  | -35.94     | 2.4G     | -36.67     | 2.48548G | -51.69     | 7.22671G | -45.07     | 2    |
| 2.44196G | 5.29     | -24.71     | 2.19748G | -53.10     | 2.39886G | -37.34     | 2.4G     | -38.06     | 2.48358G | -51.92     | 7.24076G | -43.25     | 3    |
| 2.44196G | 5.29     | -24.71     | 2.01429G | -53.28     | 2.39998G | -37.85     | 2.4G     | -37.77     | 2.5074G  | -51.66     | 7.22952G | -45.99     | 4    |

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

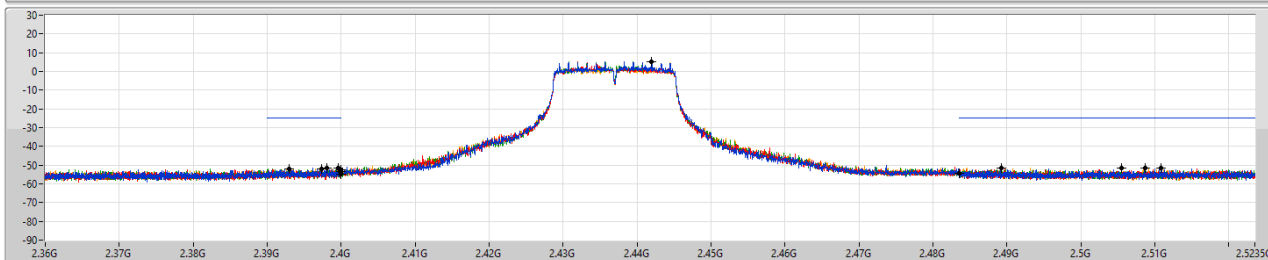
2437MHz

CSENdB

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

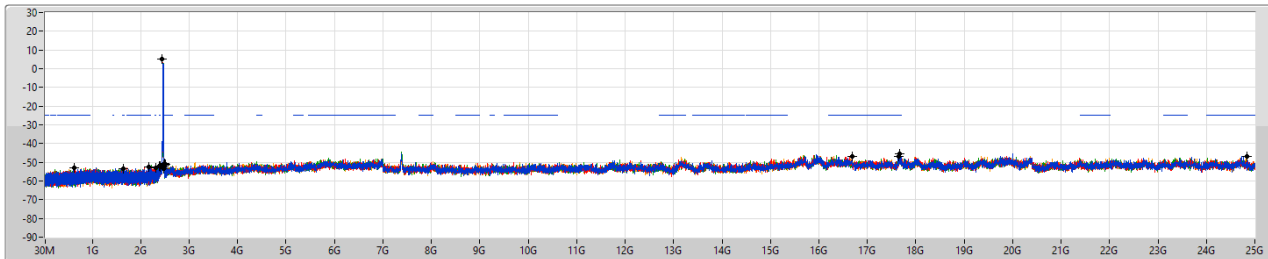
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.44196G | 5.29     | -24.71     | 2.30117G | -52.73     | 2.39964G | -51.35     | 2.4G     | -52.53     | 2.51078G | -51.41     | 16.26507G | -47.26     | 1    |
| 2.44196G | 5.29     | -24.71     | 2.18379G | -53.28     | 2.39738G | -51.95     | 2.4G     | -53.42     | 2.50546G | -51.77     | 17.00118G | -47.65     | 2    |
| 2.44196G | 5.29     | -24.71     | 786.96M  | -52.68     | 2.39302G | -52.08     | 2.4835G  | -54.30     | 2.48924G | -51.76     | 16.87755G | -46.58     | 3    |
| 2.44196G | 5.29     | -24.71     | 1.88089G | -53.51     | 2.39808G | -51.73     | 2.4G     | -54.70     | 2.50868G | -51.55     | 23.56712G | -46.18     | 4    |

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

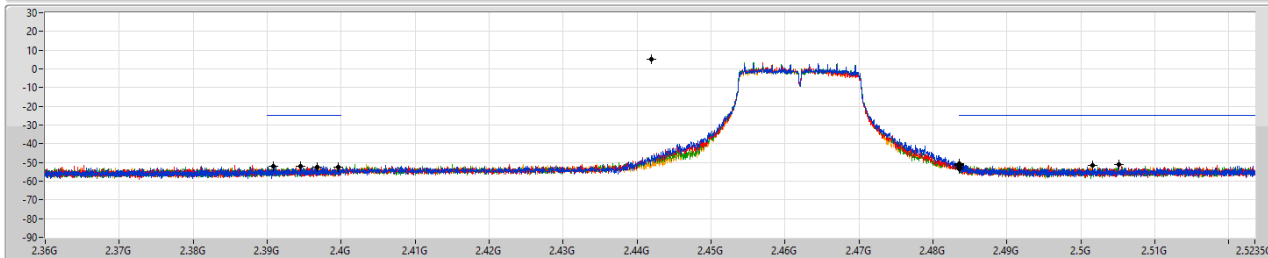
2462MHz

CSENdB

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

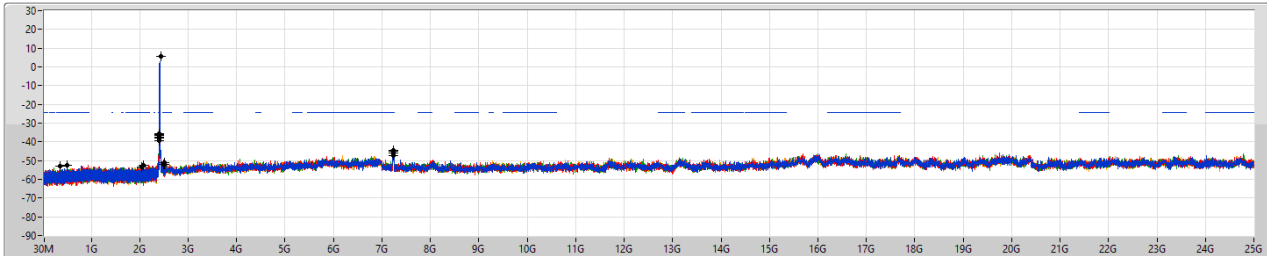
| Ref(Hz)  | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.44196G | 5.29     | -24.71     | 1.63537G | -53.46     | 2.39082G | -51.92     | 2.4835G  | -51.72     | 2.4836G  | -51.05     | 17.65018G | -46.86     | 1    |
| 2.44196G | 5.29     | -24.71     | 2.1962G  | -52.52     | 2.3945G  | -52.05     | 2.4835G  | -52.50     | 2.4836G  | -50.74     | 16.69493G | -46.75     | 2    |
| 2.44196G | 5.29     | -24.71     | 2.30874G | -53.04     | 2.39676G | -52.52     | 2.4835G  | -53.51     | 2.50508G | -51.28     | 17.66985G | -45.58     | 3    |
| 2.44196G | 5.29     | -24.71     | 625.02M  | -52.89     | 2.39956G | -52.57     | 2.4835G  | -53.65     | 2.50156G | -51.43     | 24.84547G | -46.81     | 4    |

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

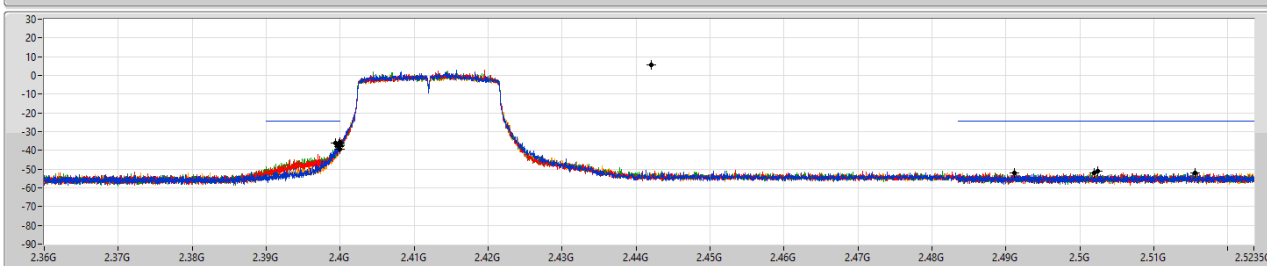
CSENdB

2412MHz

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

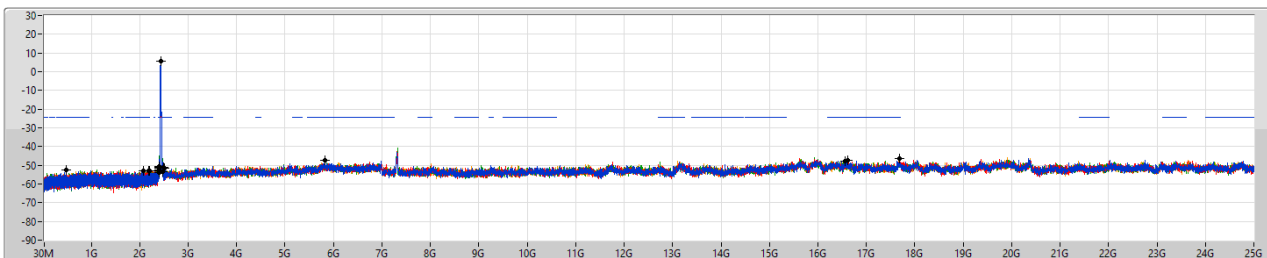
| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.442G  | 5.80     | -24.20     | 494.25M  | -52.61     | 2.39998G | -35.58     | 2.4G     | -36.45     | 2.49114G | -51.98     | 1    |
| 2.442G  | 5.80     | -24.20     | 2.07632G | -52.47     | 2.39982G | -36.54     | 2.4G     | -39.20     | 2.50244G | -51.05     | 2    |
| 2.442G  | 5.80     | -24.20     | 2.03555G | -53.57     | 2.3998G  | -37.97     | 2.4G     | -35.72     | 2.51556G | -51.97     | 3    |
| 2.442G  | 5.80     | -24.20     | 349.5M   | -53.18     | 2.39942G | -35.91     | 2.4G     | -37.55     | 2.50198G | -52.09     | 4    |

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

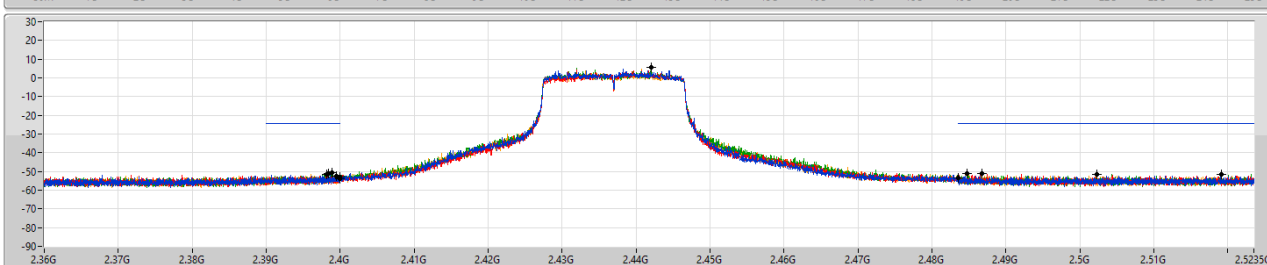
CSENdB

2437MHz

21/01/2022



Port 1  
Port 2  
Port 3  
Port 4



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

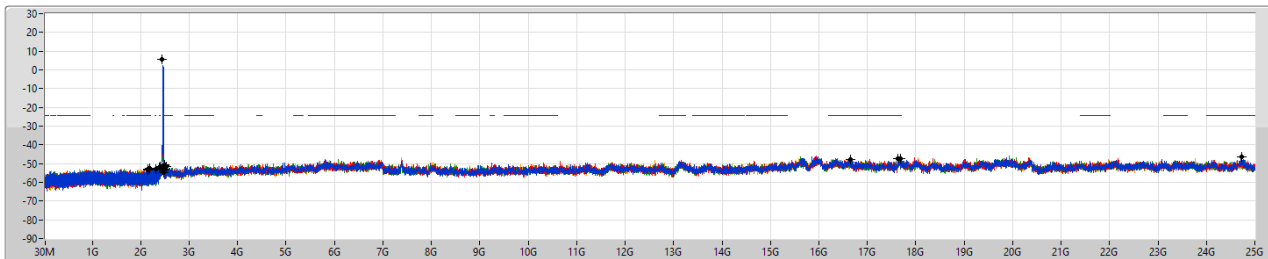
| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|------|
| 2.442G  | 5.80     | -24.20     | 2.19981G | -53.06     | 2.39812G | -51.47     | 2.4G     | -53.01     | 2.5023G  | -51.71     | 1    |
| 2.442G  | 5.80     | -24.20     | 474.45M  | -52.45     | 2.39848G | -52.35     | 2.4G     | -53.60     | 2.48678G | -50.92     | 2    |
| 2.442G  | 5.80     | -24.20     | 2.17822G | -53.02     | 2.39884G | -50.59     | 2.4G     | -53.40     | 2.48472G | -51.20     | 3    |
| 2.442G  | 5.80     | -24.20     | 2.0772G  | -53.03     | 2.39838G | -50.97     | 2.4G     | -54.10     | 2.5191G  | -51.55     | 4    |

802.11ax HEW20\_Nss1,(MCS0)\_4TX

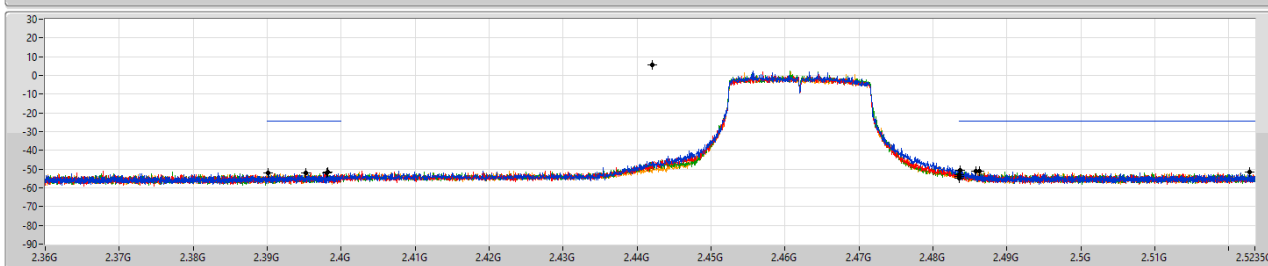
CSENdB

2462MHz

21/01/2022



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 |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.442G  | 5.80     | -24.20     | 2.1503G  | -53.44     | 2.39014G | -51.98     | 2.4835G  | -53.07     | 2.48366G | -50.48     | 24.73309G | -46.28     | 1    |
| 2.442G  | 5.80     | -24.20     | 2.30758G | -53.15     | 2.39516G | -51.91     | 2.4835G  | -54.76     | 2.48574G | -50.96     | 17.63895G | -47.41     | 2    |
| 2.442G  | 5.80     | -24.20     | 2.15409G | -52.78     | 2.39818G | -51.58     | 2.4835G  | -54.02     | 2.52274G | -51.41     | 17.69233G | -47.13     | 3    |
| 2.442G  | 5.80     | -24.20     | 2.18379G | -52.69     | 2.398G   | -52.26     | 2.4835G  | -54.92     | 2.48622G | -51.02     | 16.64436G | -47.84     | 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                  | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 802.11b_Nss1,(1Mbps)_1TX       | Pass   | 2.43599G    | 10.05        | -19.95         | 877.54M      | -51.12         | 2.39978G     | -43.40         | 2.4G         | -41.03         | 2.51956G     | -50.60         | 7.23795G     | -35.73         | 1    |
| 802.11g_Nss1,(6Mbps)_1TX       | Pass   | 2.44451G    | 9.29         | -20.71         | 843.75M      | -52.47         | 2.39988G     | -27.77         | 2.4G         | -29.29         | 2.49426G     | -50.59         | 7.24076G     | -41.93         | 1    |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | Pass   | 2.44446G    | 8.72         | -21.28         | 779.39M      | -51.98         | 2.3998G      | -27.03         | 2.4G         | -26.62         | 2.5117G      | -50.60         | 15.05977G    | -43.62         | 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)_1TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43599G    | 10.05        | -19.95         | 877.54M      | -51.12         | 2.39978G     | -43.40         | 2.4G         | -41.03         | 2.51956G     | -50.60         | 7.23795G     | -35.73         | 1    |
| 2437MHz                        | Pass   | 2.43599G    | 10.05        | -19.95         | 706.28M      | -51.74         | 2.39998G     | -50.36         | 2.4G         | -52.15         | 2.5145G      | -49.95         | 24.5589G     | -45.16         | 1    |
| 2462MHz                        | Pass   | 2.43599G    | 10.05        | -19.95         | 814.05M      | -52.67         | 2.39534G     | -51.90         | 2.4835G      | -52.18         | 2.4837G      | -50.07         | 17.69514G    | -44.15         | 1    |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.44451G    | 9.29         | -20.71         | 843.75M      | -52.47         | 2.39988G     | -27.77         | 2.4G         | -29.29         | 2.49426G     | -50.59         | 7.24076G     | -41.93         | 1    |
| 2437MHz                        | Pass   | 2.44451G    | 9.29         | -20.71         | 956.76M      | -51.87         | 2.4G         | -50.20         | 2.4835G      | -51.41         | 2.50828G     | -49.68         | 24.20208G    | -44.44         | 1    |
| 2462MHz                        | Pass   | 2.44451G    | 9.29         | -20.71         | 651.53M      | -51.19         | 2.3993G      | -51.41         | 2.4835G      | -46.60         | 2.48446G     | -44.58         | 24.80614G    | -44.51         | 1    |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.44446G    | 8.72         | -21.28         | 779.39M      | -51.98         | 2.3998G      | -27.03         | 2.4G         | -26.62         | 2.5117G      | -50.60         | 15.05977G    | -43.62         | 1    |
| 2437MHz                        | Pass   | 2.44446G    | 8.72         | -21.28         | 2.00264G     | -52.09         | 2.39848G     | -46.72         | 2.4G         | -48.67         | 2.50604G     | -50.37         | 16.34374G    | -44.67         | 1    |
| 2462MHz                        | Pass   | 2.44446G    | 8.72         | -21.28         | 2.13749G     | -52.28         | 2.39464G     | -51.57         | 2.4835G      | -45.18         | 2.48426G     | -41.66         | 24.42685G    | -44.62         | 1    |

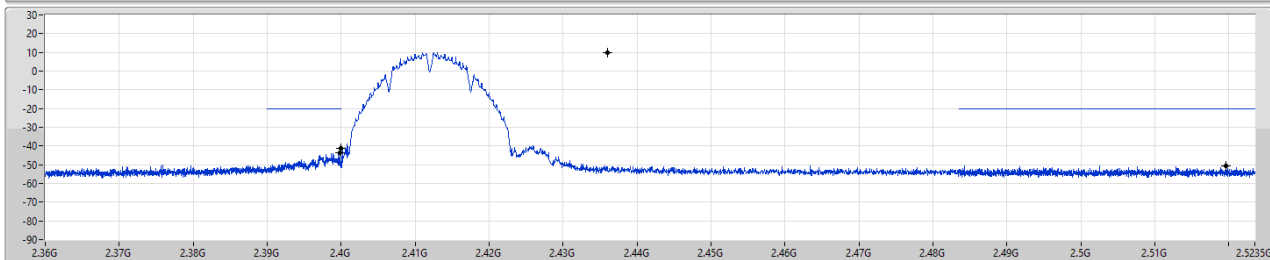
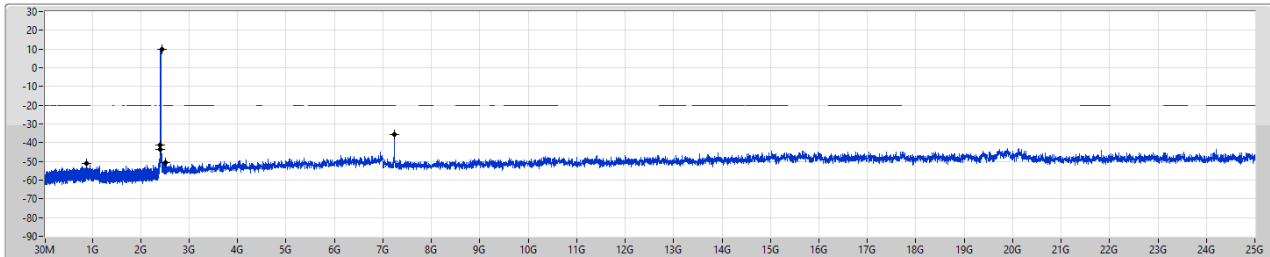
## 802.11b\_Nss1,(1Mbps)\_1TX

2412MHz

CSENdB

01/03/2022

Port 1



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 | 10.05    | -19.95     | 877.54M  | -51.12     | 2.39978G | -43.40     | 2.4G     | -41.03     | 2.51956G | -50.60     | 7.23795G | -35.73     | 1    |

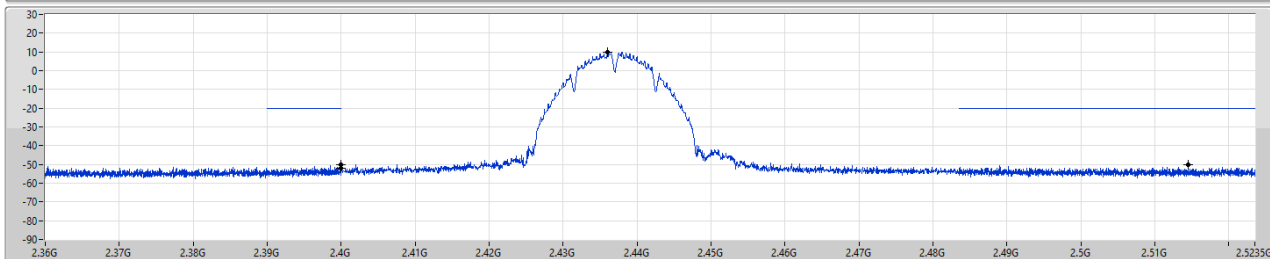
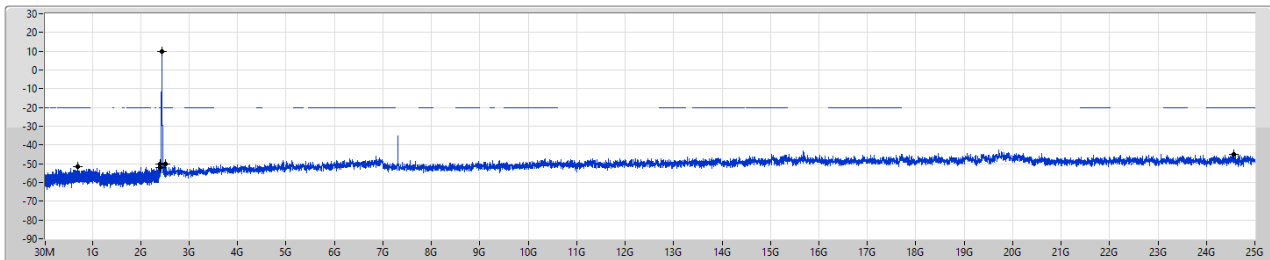
## 802.11b\_Nss1,(1Mbps)\_1TX

2437MHz

CSENdB

01/03/2022

Port 1



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 | 10.05    | -19.95     | 706.28M  | -51.74     | 2.39998G | -50.36     | 2.4G     | -52.15     | 2.5145G  | -49.95     | 24.5589G | -45.16     | 1    |

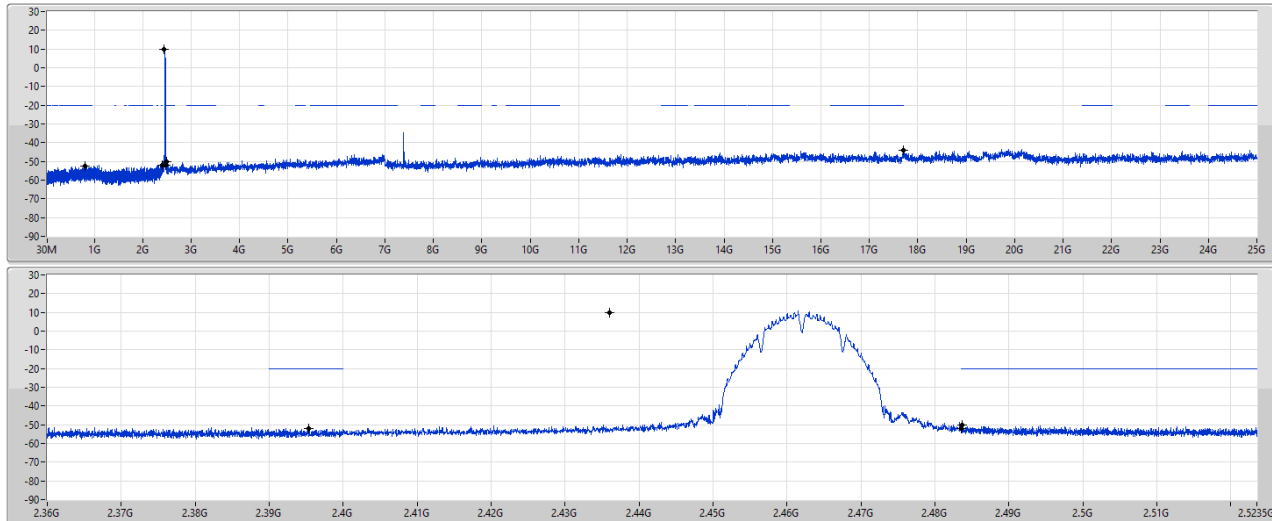
## 802.11b\_Nss1,(1Mbps)\_1TX

2462MHz

CSEndB

01/03/2022

Port 1



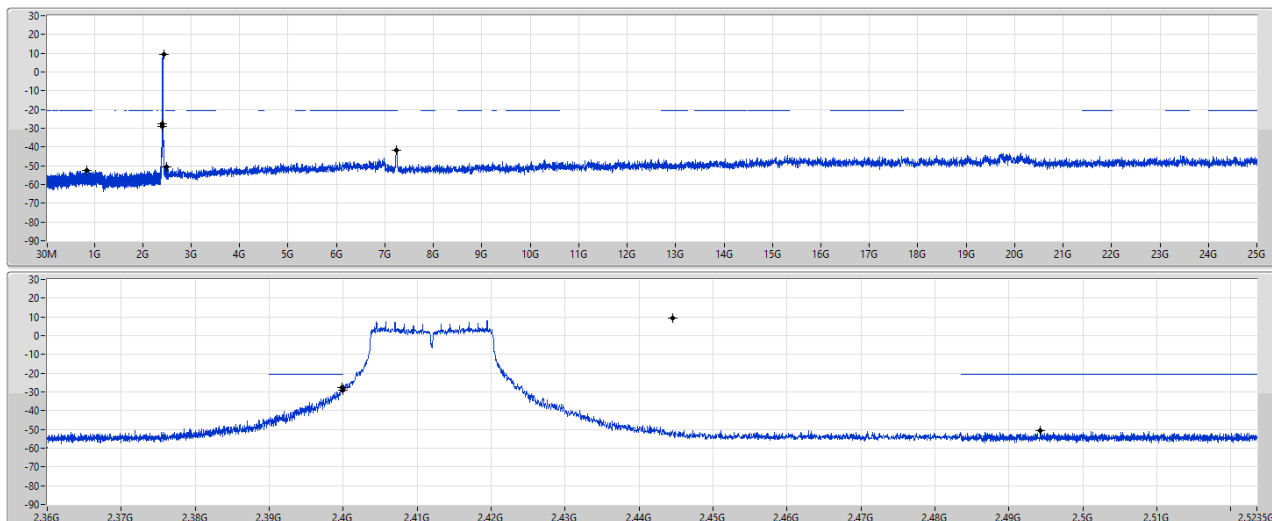
## 802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

CSEndB

01/03/2022

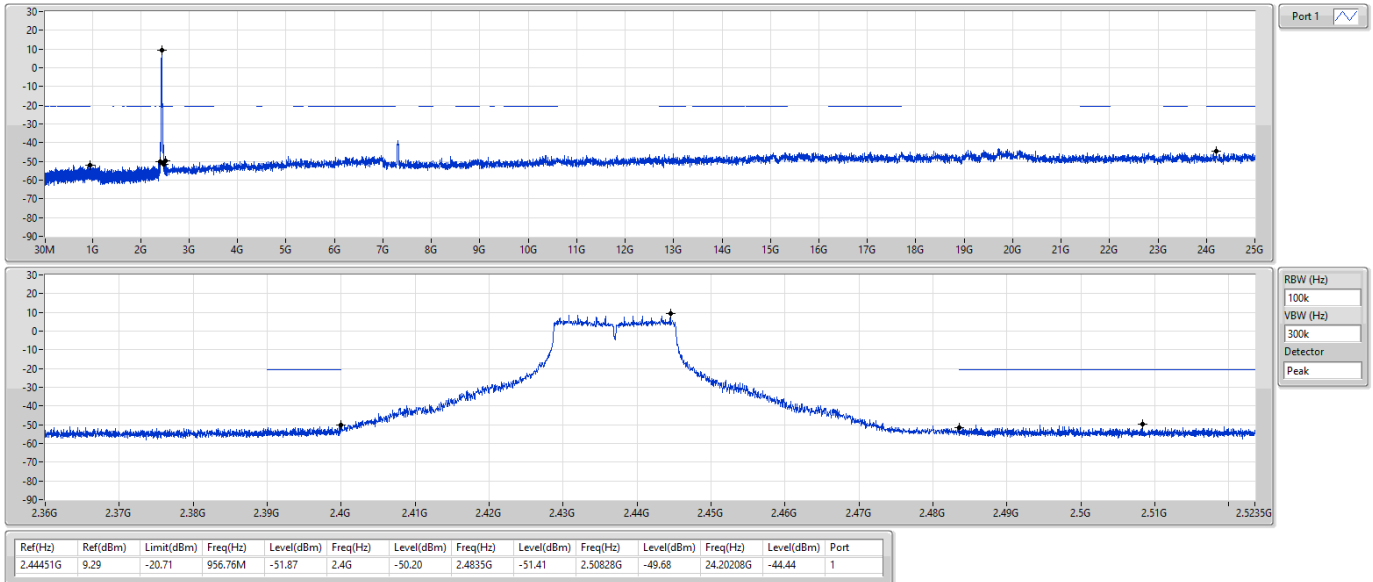
Port 1



802.11g\_Nss1,(6Mbps)\_1TX

CSENdB

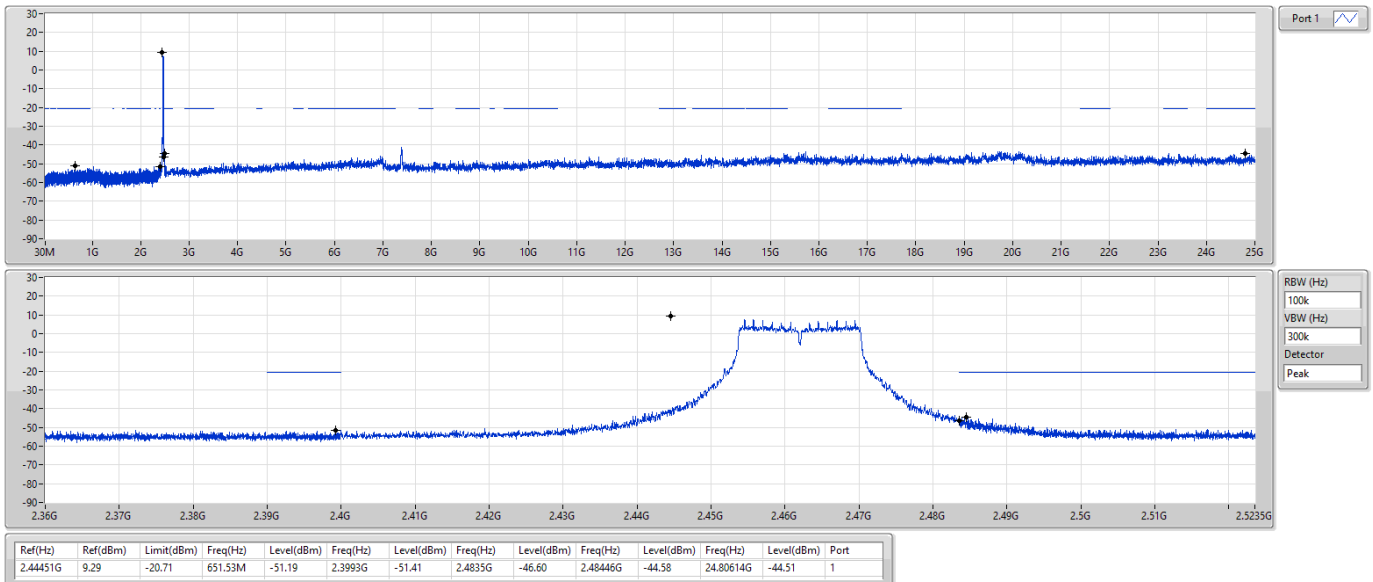
2437MHz



802.11g\_Nss1,(6Mbps)\_1TX

CSENdB

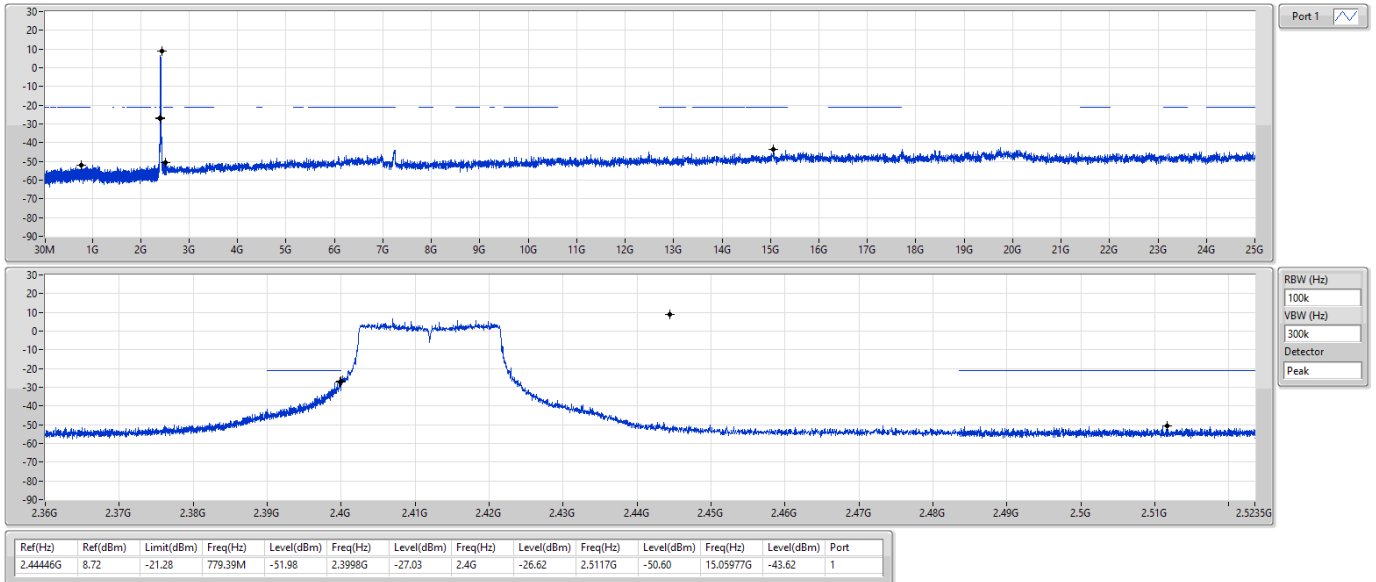
2462MHz



802.11ax HEW20\_Nss1,(MCS0)\_1TX

CSENdB

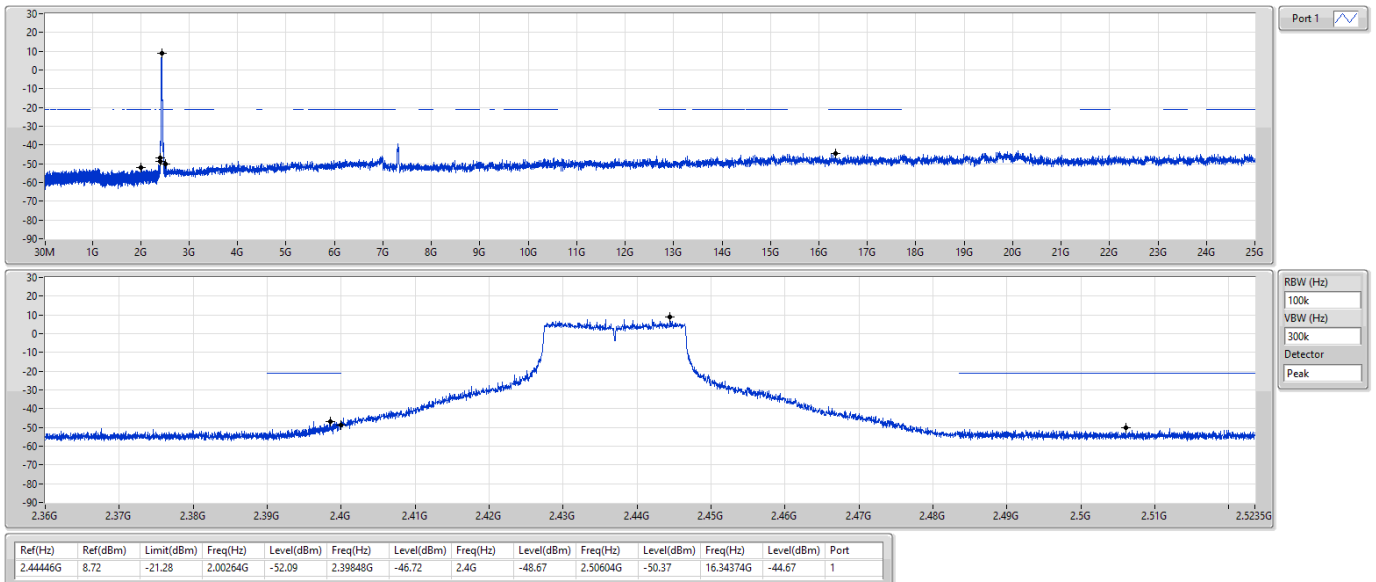
2412MHz



802.11ax HEW20\_Nss1,(MCS0)\_1TX

CSENdB

2437MHz



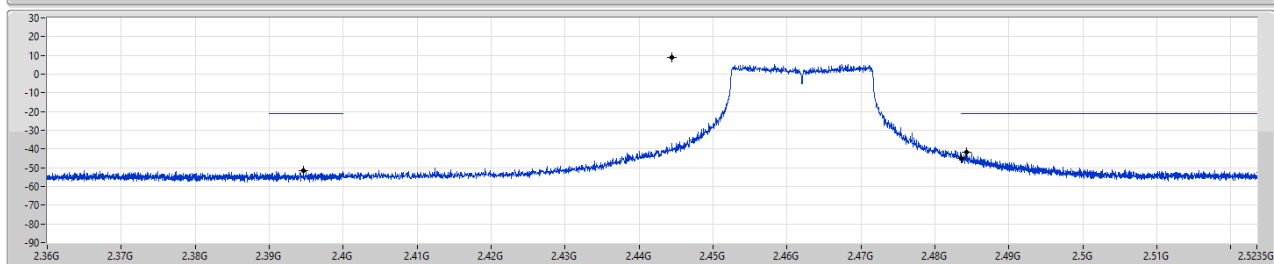
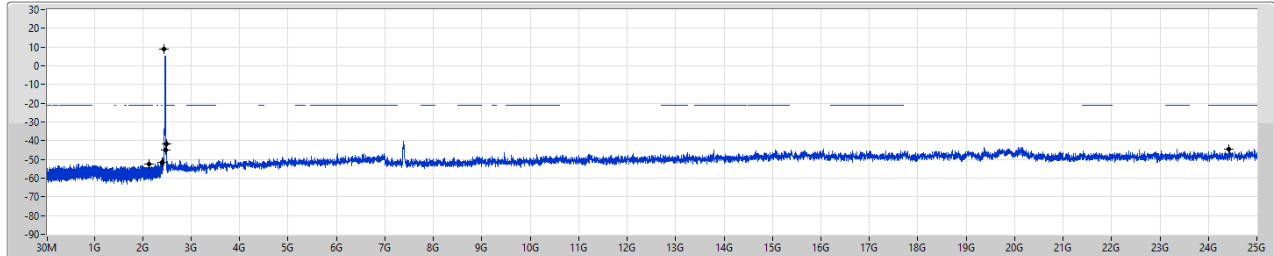
802.11ax HEW20\_Nss1,(MCS0)\_1TX

CSEndB

2462MHz

01/03/2022

Port 1



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 |
|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.44446G | 8.72     | -21.28     | 2.13749G | -92.28     | 2.39464G | -51.57     | 2.4835G  | -45.18     | 2.48426G | -41.66     | 24.42685G | -44.62     | 1    |



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

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

### **Summary**

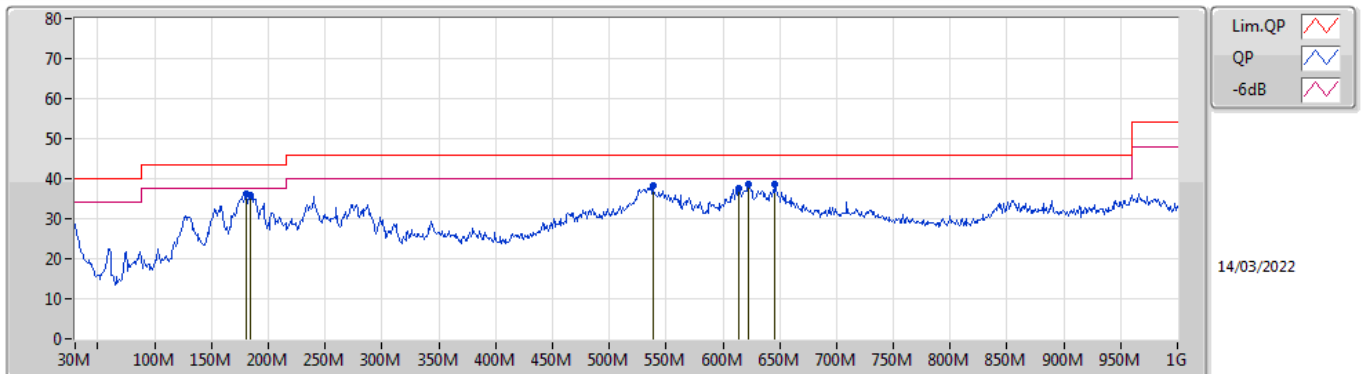
| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-------------------|-------------------|----------------|-----------|
| Mode 1 | Pass   | QP   | 30M          | 36.99             | 40.00             | -3.01          | 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) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|-----------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| QP   | 30M          | 36.99             | 40.00             | -3.01          | -6.49            | 3           | Vertical  | 149            | 1.00          | "Worst" | 43.48           | 24.20        | 0.80       | 31.49      |
| PK   | 50.37M       | 32.81             | 40.00             | -7.19          | -16.83           | 3           | Vertical  | 45             | 1.25          | -       | 49.64           | 13.83        | 1.10       | 31.76      |
| PK   | 173.56M      | 37.59             | 43.50             | -5.91          | -14.66           | 3           | Vertical  | 330            | 1.00          | -       | 52.25           | 15.23        | 2.07       | 31.96      |
| PK   | 185.2M       | 39.87             | 43.50             | -3.63          | -15.04           | 3           | Vertical  | 260            | 1.00          | -       | 54.91           | 14.80        | 2.13       | 31.97      |
| PK   | 529.55M      | 39.65             | 46.00             | -6.35          | -5.38            | 3           | Vertical  | 196            | 1.00          | -       | 45.03           | 23.31        | 3.72       | 32.41      |
| PK   | 609.09M      | 39.87             | 46.00             | -6.13          | -4.27            | 3           | Vertical  | 169            | 1.00          | -       | 44.14           | 24.20        | 4.04       | 32.51      |

## 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   | 180.35M      | 36.24             | 43.50             | -7.26          | -14.91           | 3           | Horizontal | 95             | 1.25          | -       | 51.15           | 14.95        | 2.10       | 31.96      |
| PK   | 184.23M      | 36.00             | 43.50             | -7.50          | -15.03           | 3           | Horizontal | 103            | 2.00          | -       | 51.03           | 14.82        | 2.12       | 31.97      |
| PK   | 538.28M      | 38.29             | 46.00             | -7.71          | -4.84            | 3           | Horizontal | 91             | 2.00          | -       | 43.13           | 23.85        | 3.75       | 32.44      |
| PK   | 613.94M      | 37.48             | 46.00             | -8.52          | -4.19            | 3           | Horizontal | 56             | 2.00          | -       | 41.67           | 24.26        | 4.06       | 32.51      |
| PK   | 622.67M      | 38.74             | 46.00             | -7.26          | -3.96            | 3           | Horizontal | 47             | 2.00          | -       | 42.70           | 24.47        | 4.09       | 32.52      |
| PK   | 645.95M      | 38.77             | 46.00             | -7.23          | -3.77            | 3           | Horizontal | 169            | 2.00          | "Worst" | 42.54           | 24.59        | 4.18       | 32.54      |

**Summary**

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2.4-2.4835GHz                  | -      | -               | -              | -    | -            | -           | -           | -             | -             | -              | -              |
| 802.11b_Nss1,(1Mbps)_1TX       | Pass   | 2.36G           | 2.4G           | AV   | 2.38992G     | 2.62        | -65.04      | -65.04        | -62.42        | -41.20         | -21.22         |
| 802.11g_Nss1,(6Mbps)_1TX       | Pass   | 2.36G           | 2.4G           | AV   | 2.39G        | 2.62        | -54.53      | -54.53        | -51.91        | -41.20         | -10.71         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | Pass   | 2.36G           | 2.4G           | AV   | 2.38984G     | 2.62        | -50.40      | -50.40        | -47.78        | -41.20         | -6.58          |

DG = Directional Gain ; PX=Port X, Psum=P1+P2+...PX

## Result

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -               | -              | -    | -            | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 1.61149G     | 2.62        | -88.06      | -88.06        | -85.44        | -41.20         | -44.24         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38992G     | 2.62        | -65.04      | -65.04        | -62.42        | -41.20         | -21.22         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -88.20      | -88.20        | -85.58        | -41.20         | -44.38         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48966G     | 2.62        | -73.43      | -73.43        | -70.81        | -41.20         | -29.61         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.65442G     | 2.62        | -87.50      | -87.50        | -84.88        | -41.20         | -43.68         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.80835G     | 2.62        | -77.51      | -77.51        | -74.89        | -21.20         | -53.69         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38944G     | 2.62        | -53.84      | -53.84        | -51.22        | -21.20         | -30.02         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -79.06      | -79.06        | -76.44        | -21.20         | -55.24         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48926G     | 2.62        | -63.38      | -63.38        | -60.76        | -21.20         | -39.56         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53756G     | 2.62        | -76.26      | -76.26        | -73.64        | -21.20         | -52.44         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.32651G     | 2.62        | -88.24      | -88.24        | -85.62        | -41.20         | -44.42         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.39G        | 2.62        | -66.10      | -66.10        | -63.48        | -41.20         | -22.28         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -88.32      | -88.32        | -85.70        | -41.20         | -44.50         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.4895G      | 2.62        | -73.29      | -73.29        | -70.67        | -41.20         | -29.47         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.54721G     | 2.62        | -86.89      | -86.89        | -84.27        | -41.20         | -43.07         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.35745G     | 2.62        | -77.90      | -77.90        | -75.28        | -21.20         | -54.08         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38992G     | 2.62        | -55.91      | -55.91        | -53.29        | -21.20         | -32.09         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -78.48      | -78.48        | -75.86        | -21.20         | -54.66         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.4895G      | 2.62        | -63.17      | -63.17        | -60.55        | -21.20         | -39.35         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.7434G      | 2.62        | -76.43      | -76.43        | -73.81        | -21.20         | -52.61         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35881G     | 2.62        | -88.04      | -88.04        | -85.42        | -41.20         | -44.22         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38896G     | 2.62        | -66.50      | -66.50        | -63.88        | -41.20         | -22.68         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -88.75      | -88.75        | -86.13        | -41.20         | -44.93         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49014G     | 2.62        | -72.51      | -72.51        | -69.89        | -41.20         | -28.69         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.70147G     | 2.62        | -87.27      | -87.27        | -84.65        | -41.20         | -43.45         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.22689G     | 2.62        | -78.03      | -78.03        | -75.41        | -21.20         | -54.21         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.3892G      | 2.62        | -66.38      | -66.38        | -63.76        | -21.20         | -32.56         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -79.07      | -79.07        | -76.45        | -21.20         | -55.25         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.4899G      | 2.62        | -61.80      | -61.80        | -59.18        | -21.20         | -37.98         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.64489G     | 2.62        | -76.24      | -76.24        | -73.62        | -21.20         | -52.42         |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -               | -              | -    | -            | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35728G     | 2.62        | -87.19      | -87.19        | -84.57        | -41.20         | -43.37         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.39G        | 2.62        | -54.53      | -54.53        | -51.91        | -41.20         | -10.71         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -88.43      | -88.43        | -85.81        | -41.20         | -44.61         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48958G     | 2.62        | -71.13      | -71.13        | -68.51        | -41.20         | -27.31         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.60653G     | 2.62        | -87.17      | -87.17        | -84.55        | -41.20         | -43.35         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.15385G     | 2.62        | -77.70      | -77.70        | -75.08        | -21.20         | -53.88         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38976G     | 2.62        | -42.54      | -42.54        | -39.92        | -21.20         | -18.72         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -78.98      | -78.98        | -76.36        | -21.20         | -55.16         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48942G     | 2.62        | -60.68      | -60.68        | -58.06        | -21.20         | -36.86         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.65513G     | 2.62        | -76.30      | -76.30        | -73.68        | -21.20         | -52.48         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35728G     | 2.62        | -87.40      | -87.40        | -84.78        | -41.20         | -43.58         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3892G      | 2.62        | -63.95      | -63.95        | -61.33        | -41.20         | -20.13         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -88.61      | -88.61        | -85.99        | -41.20         | -44.79         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48982G     | 2.62        | -70.92      | -70.92        | -68.30        | -41.20         | -27.10         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.61404G     | 2.62        | -86.81      | -86.81        | -84.19        | -41.20         | -42.99         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.77078G     | 2.62        | -78.12      | -78.12        | -75.50        | -21.20         | -54.30         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38856G     | 2.62        | -53.88      | -53.88        | -51.26        | -21.20         | -30.06         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -78.18      | -78.18        | -75.56        | -21.20         | -54.36         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48894G     | 2.62        | -60.22      | -60.22        | -57.60        | -21.20         | -36.40         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.57794G     | 2.62        | -76.19      | -76.19        | -73.57        | -21.20         | -52.37         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35711G     | 2.62        | -87.85      | -87.85        | -85.23        | -41.20         | -44.03         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.39G        | 2.62        | -63.76      | -63.76        | -61.14        | -41.20         | -19.94         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -84.83      | -84.83        | -82.21        | -41.20         | -41.01         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48942G     | 2.62        | -63.01      | -63.01        | -60.39        | -41.20         | -19.19         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.54244G     | 2.62        | -87.67      | -87.67        | -85.05        | -41.20         | -43.85         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.05117G     | 2.62        | -76.90      | -76.90        | -74.28        | -21.20         | -53.08         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38968G     | 2.62        | -53.22      | -53.22        | -50.60        | -21.20         | -29.40         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -72.58      | -72.58        | -69.96        | -21.20         | -48.76         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48854G     | 2.62        | -49.26      | -49.26        | -46.64        | -21.20         | -25.44         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.85467G     | 2.62        | -76.52      | -76.52        | -73.90        | -21.20         | -52.70         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -               | -              | -    | -            | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35898G     | 2.62        | -87.23      | -87.23        | -84.61        | -41.20         | -43.41         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38984G     | 2.62        | -50.40      | -50.40        | -47.78        | -41.20         | -6.58          |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -88.29      | -88.29        | -85.67        | -41.20         | -44.47         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48966G     | 2.62        | -71.49      | -71.49        | -68.87        | -41.20         | -27.67         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.62809G     | 2.62        | -87.12      | -87.12        | -84.50        | -41.20         | -43.30         |

| Mode    | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|---------|--------|-----------------|----------------|------|--------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2412MHz | Pass   | 1G              | 2.36G          | PK   | 1.5457G      | 2.62        | -78.03      | -78.03        | -75.41        | -21.20         | -54.21         |
| 2412MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.3892G      | 2.62        | -38.16      | -38.16        | -35.54        | -21.20         | -14.34         |
| 2412MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -78.82      | -78.82        | -76.20        | -21.20         | -55.00         |
| 2412MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48974G     | 2.62        | -61.29      | -61.29        | -58.67        | -21.20         | -37.47         |
| 2412MHz | Pass   | 2.5235G         | 3G             | PK   | 2.71184G     | 2.62        | -76.30      | -76.30        | -73.68        | -21.20         | -52.48         |
| 2437MHz | Pass   | 1G              | 2.36G          | AV   | 2.35762G     | 2.62        | -87.61      | -87.61        | -84.99        | -41.20         | -43.79         |
| 2437MHz | Pass   | 2.36G           | 2.4G           | AV   | 2.38968G     | 2.62        | -63.72      | -63.72        | -61.10        | -41.20         | -19.90         |
| 2437MHz | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -88.61      | -88.61        | -85.99        | -41.20         | -44.79         |
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48942G     | 2.62        | -70.38      | -70.38        | -67.76        | -41.20         | -26.56         |
| 2437MHz | Pass   | 2.5235G         | 3G             | AV   | 2.61713G     | 2.62        | -87.45      | -87.45        | -84.83        | -41.20         | -43.63         |
| 2437MHz | Pass   | 1G              | 2.36G          | PK   | 2.35541G     | 2.62        | -77.87      | -77.87        | -75.25        | -21.20         | -54.05         |
| 2437MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.38864G     | 2.62        | -53.08      | -53.08        | -50.46        | -21.20         | -29.26         |
| 2437MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -78.39      | -78.39        | -75.77        | -21.20         | -54.57         |
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48998G     | 2.62        | -60.38      | -60.38        | -57.76        | -21.20         | -36.56         |
| 2437MHz | Pass   | 2.5235G         | 3G             | PK   | 2.54804G     | 2.62        | -76.56      | -76.56        | -73.94        | -21.20         | -52.74         |
| 2462MHz | Pass   | 1G              | 2.36G          | AV   | 2.35133G     | 2.62        | -87.52      | -87.52        | -84.90        | -41.20         | -43.70         |
| 2462MHz | Pass   | 2.36G           | 2.4G           | AV   | 2.38992G     | 2.62        | -63.67      | -63.67        | -61.05        | -41.20         | -19.85         |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 2.62        | -85.49      | -85.49        | -82.87        | -41.20         | -41.67         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48966G     | 2.62        | -65.54      | -65.54        | -62.92        | -41.20         | -21.72         |
| 2462MHz | Pass   | 2.5235G         | 3G             | AV   | 2.61701G     | 2.62        | -86.73      | -86.73        | -84.11        | -41.20         | -42.91         |
| 2462MHz | Pass   | 1G              | 2.36G          | PK   | 2.23267G     | 2.62        | -77.64      | -77.64        | -75.02        | -21.20         | -53.82         |
| 2462MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.38912G     | 2.62        | -53.09      | -53.09        | -50.47        | -21.20         | -29.27         |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 2.62        | -74.61      | -74.61        | -71.99        | -21.20         | -50.79         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.4895G      | 2.62        | -51.58      | -51.58        | -48.96        | -21.20         | -27.76         |
| 2462MHz | Pass   | 2.5235G         | 3G             | PK   | 2.60248G     | 2.62        | -75.66      | -75.66        | -73.04        | -21.20         | -51.84         |

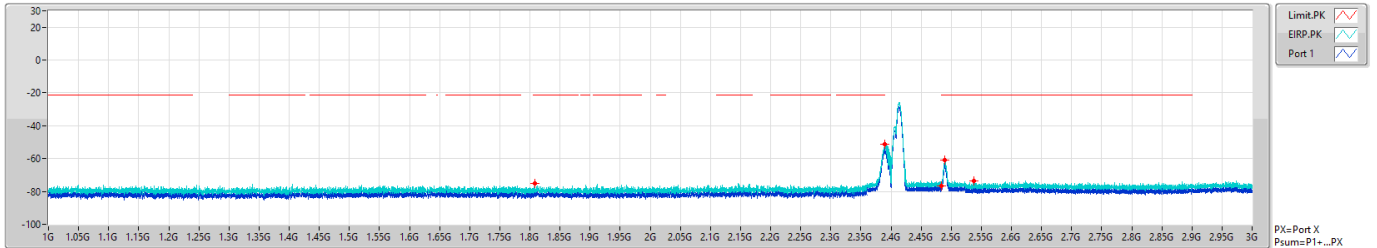
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11b\_Nss1,(1Mbps)\_1TX

CSE [PK]

2412MHz

12/02/2022



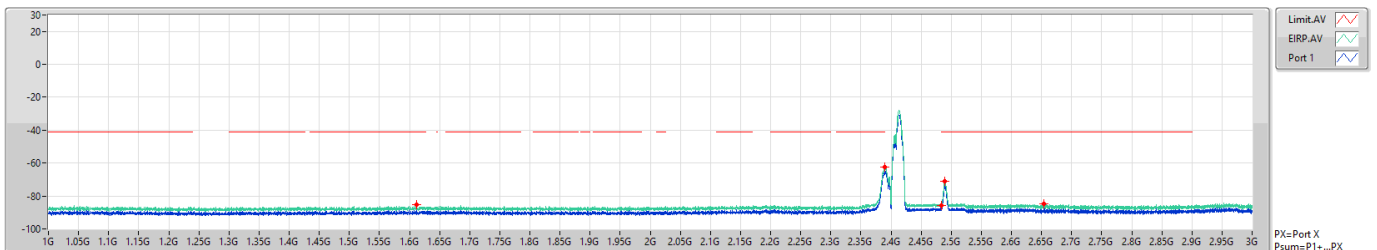
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | PK   | 1.80835G | -74.89    | -21.20     | -53.69     | 2.62   | 0.00    | -77.51    | -77.51  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38944G | -51.22    | -21.20     | -30.02     | 2.62   | 0.00    | -53.84    | -53.84  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -76.44    | -21.20     | -55.24     | 2.62   | 0.00    | -79.06    | -79.06  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.48926G | -60.76    | -21.20     | -39.56     | 2.62   | 0.00    | -63.38    | -63.38  |
| 2.5235G     | 3G         | 1M      | PK   | 2.53756G | -73.64    | -21.20     | -52.44     | 2.62   | 0.00    | -76.26    | -76.26  |

802.11b\_Nss1,(1Mbps)\_1TX

CSE [AV]

2412MHz

12/02/2022



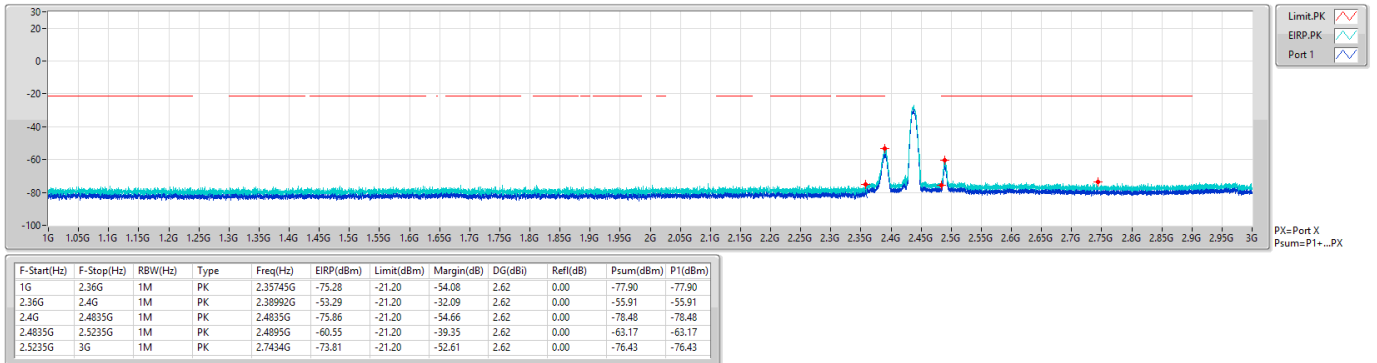
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | AV   | 1.61149G | -85.44    | -41.20     | -44.24     | 2.62   | 0.00    | -88.06    | -88.06  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.38992G | -62.42    | -41.20     | -21.22     | 2.62   | 0.00    | -65.04    | -65.04  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -85.58    | -41.20     | -44.38     | 2.62   | 0.00    | -88.20    | -88.20  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.48966G | -70.81    | -41.20     | -29.61     | 2.62   | 0.00    | -73.43    | -73.43  |
| 2.5235G     | 3G         | 1M      | AV   | 2.65442G | -84.88    | -41.20     | -43.68     | 2.62   | 0.00    | -87.50    | -87.50  |

802.11b\_Nss1,(1Mbps)\_1TX

2437MHz

CSE [PK]

12/02/2022

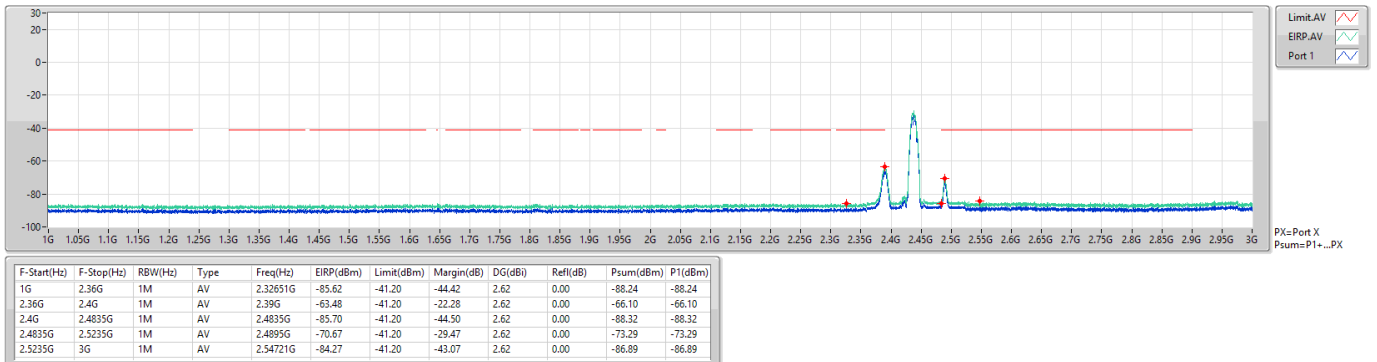


802.11b\_Nss1,(1Mbps)\_1TX

2437MHz

CSE [AV]

12/02/2022

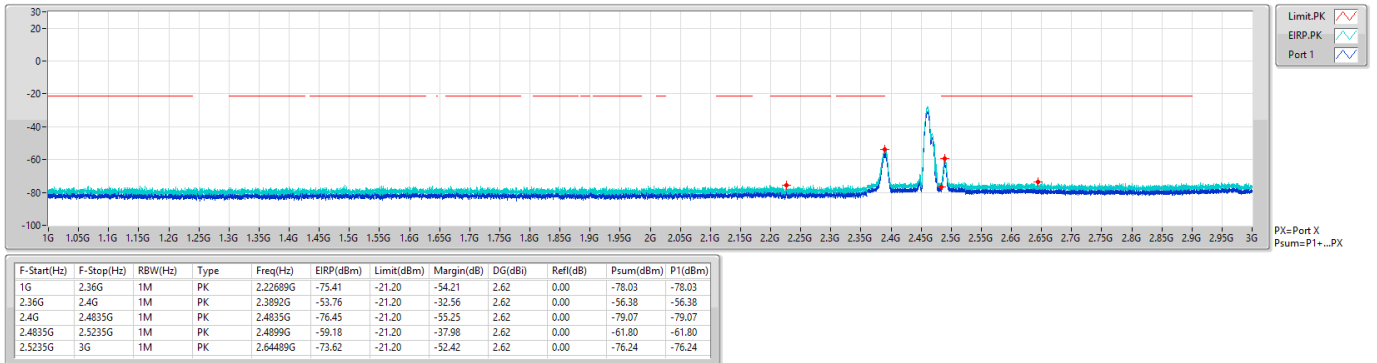


802.11b\_Nss1,(1Mbps)\_1TX

2462MHz

CSE [PK]

12/02/2022

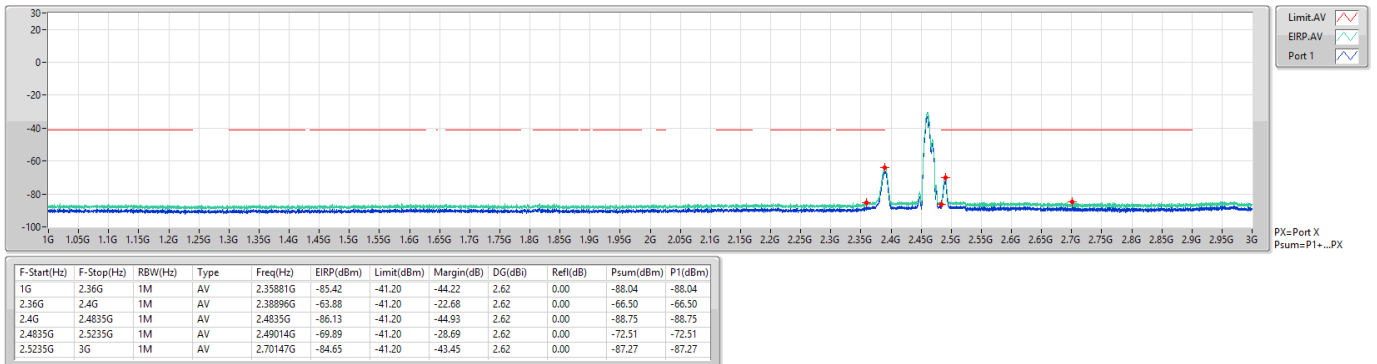


802.11b\_Nss1,(1Mbps)\_1TX

2462MHz

CSE [AV]

12/02/2022

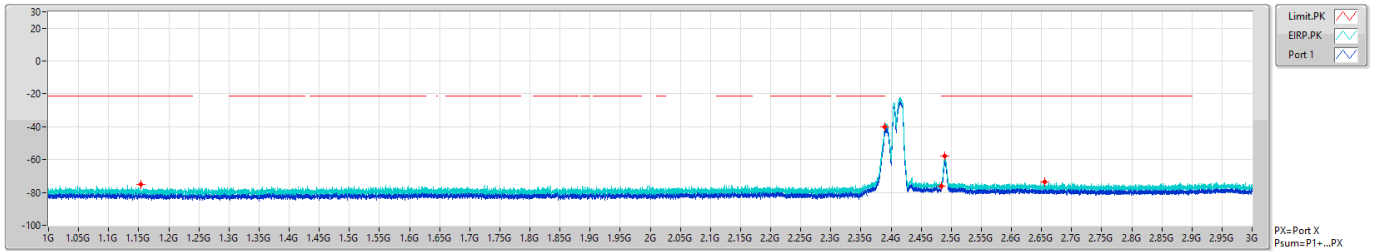


802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

CSE [PK]

12/02/2022



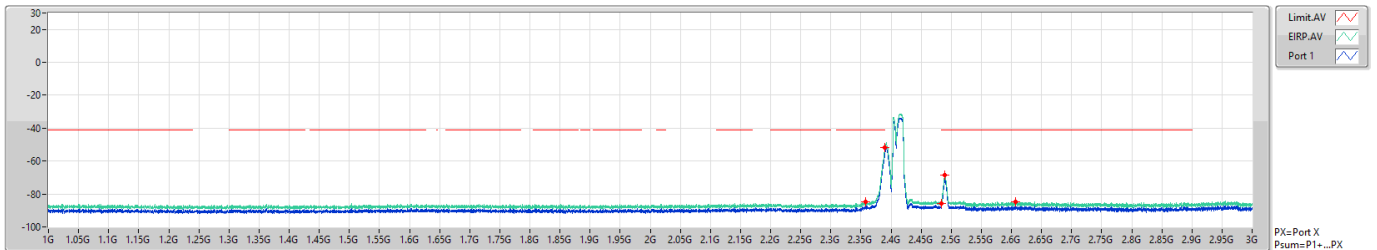
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | PK   | 1.15385G | -75.08    | -21.20     | -53.88     | 2.62    | 0.00    | -77.70    | -77.70  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38976G | -39.92    | -21.20     | -18.72     | 2.62    | 0.00    | -42.54    | -42.54  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -76.36    | -21.20     | -55.16     | 2.62    | 0.00    | -78.98    | -78.98  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.48942G | -58.06    | -21.20     | -36.86     | 2.62    | 0.00    | -60.68    | -60.68  |
| 2.5235G     | 3G         | 1M      | PK   | 2.65513G | -73.68    | -21.20     | -52.48     | 2.62    | 0.00    | -76.30    | -76.30  |

802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

CSE [AV]

12/02/2022



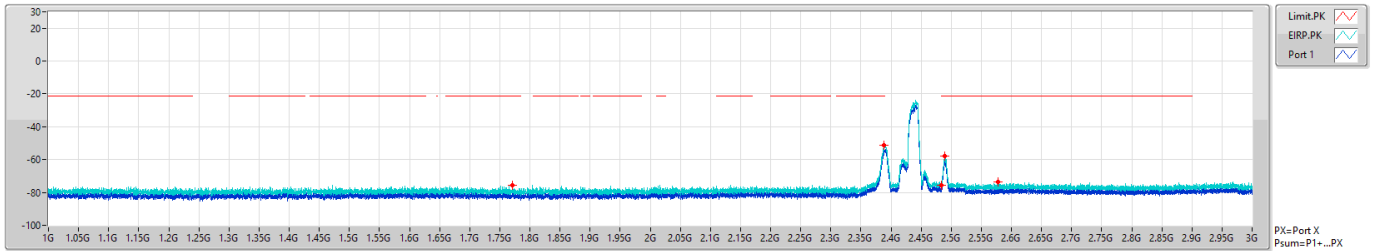
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35728G | -84.57    | -41.20     | -43.37     | 2.62    | 0.00    | -87.19    | -87.19  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.39G    | -51.91    | -41.20     | -10.71     | 2.62    | 0.00    | -54.53    | -54.53  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -85.81    | -41.20     | -44.61     | 2.62    | 0.00    | -88.43    | -88.43  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.48958G | -68.51    | -41.20     | -27.31     | 2.62    | 0.00    | -71.13    | -71.13  |
| 2.5235G     | 3G         | 1M      | AV   | 2.60653G | -84.55    | -41.20     | -43.35     | 2.62    | 0.00    | -87.17    | -87.17  |

802.11g\_Nss1,(6Mbps)\_1TX

2437MHz

CSE [PK]

12/02/2022



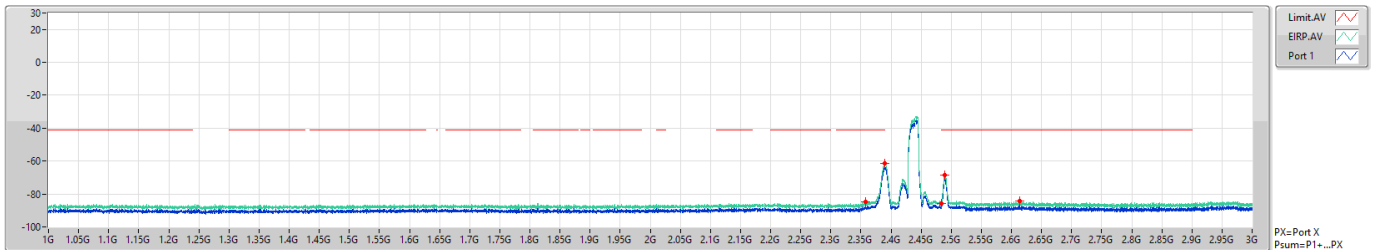
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | PK   | 1.77078G | -75.50    | -21.20     | -54.30     | 2.62    | 0.00    | -78.12    | -78.12  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38856G | -51.26    | -21.20     | -30.06     | 2.62    | 0.00    | -53.88    | -53.88  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -75.56    | -21.20     | -54.36     | 2.62    | 0.00    | -78.18    | -78.18  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.48894G | -57.60    | -21.20     | -36.40     | 2.62    | 0.00    | -60.22    | -60.22  |
| 2.5235G     | 3G         | 1M      | PK   | 2.57794G | -73.57    | -21.20     | -52.37     | 2.62    | 0.00    | -76.19    | -76.19  |

802.11g\_Nss1,(6Mbps)\_1TX

2437MHz

CSE [AV]

12/02/2022



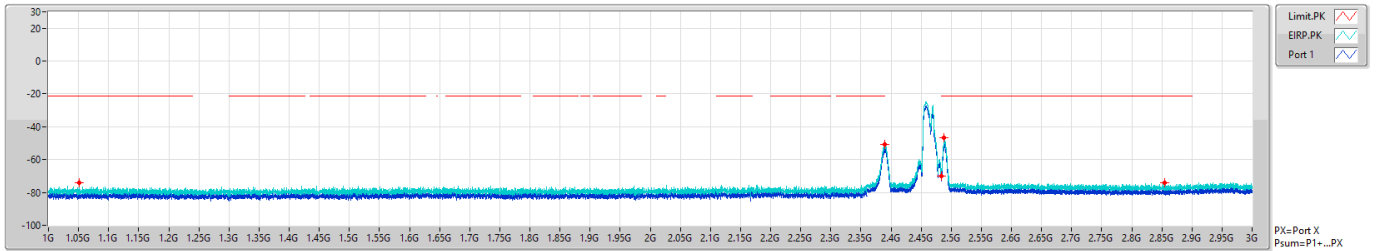
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35728G | -84.78    | -41.20     | -43.58     | 2.62    | 0.00    | -87.40    | -87.40  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.3892G  | -61.33    | -41.20     | -20.13     | 2.62    | 0.00    | -63.95    | -63.95  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -85.99    | -41.20     | -44.79     | 2.62    | 0.00    | -88.61    | -88.61  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.48882G | -68.30    | -41.20     | -27.10     | 2.62    | 0.00    | -70.92    | -70.92  |
| 2.5235G     | 3G         | 1M      | AV   | 2.61404G | -84.19    | -41.20     | -42.99     | 2.62    | 0.00    | -86.81    | -86.81  |

802.11g\_Nss1,(6Mbps)\_1TX

2462MHz

CSE [PK]

12/02/2022



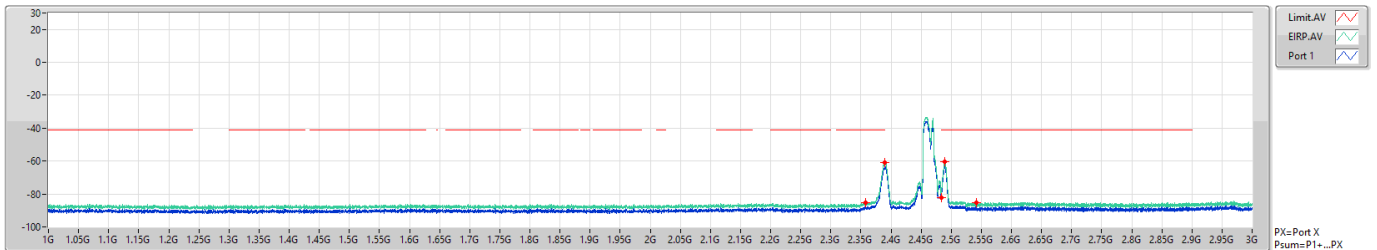
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | PK   | 1.05117G | -74.28    | -21.20     | -53.08     | 2.62    | 0.00    | -76.90    | -76.90  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38968G | -50.60    | -21.20     | -29.40     | 2.62    | 0.00    | -53.22    | -53.22  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -69.96    | -21.20     | -48.76     | 2.62    | 0.00    | -72.58    | -72.58  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.48854G | -46.64    | -21.20     | -25.44     | 2.62    | 0.00    | -49.26    | -49.26  |
| 2.5235G     | 3G         | 1M      | PK   | 2.85467G | -73.90    | -21.20     | -52.70     | 2.62    | 0.00    | -76.52    | -76.52  |

802.11g\_Nss1,(6Mbps)\_1TX

2462MHz

CSE [AV]

12/02/2022



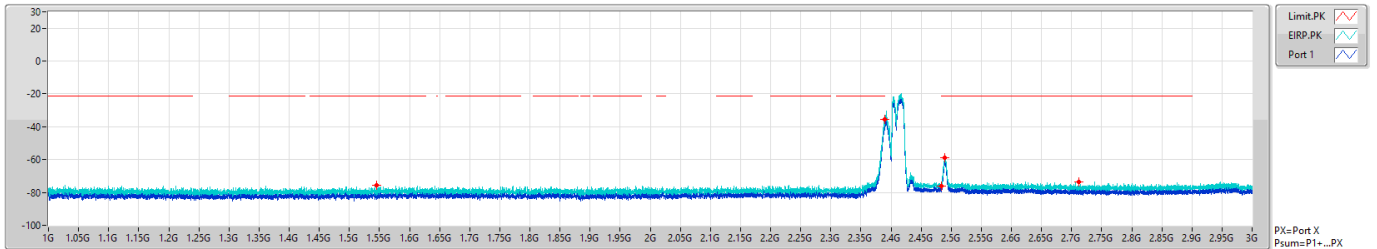
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35711G | -85.23    | -41.20     | -44.03     | 2.62    | 0.00    | -87.85    | -87.85  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.39G    | -61.14    | -41.20     | -19.94     | 2.62    | 0.00    | -63.76    | -63.76  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -82.21    | -41.20     | -41.01     | 2.62    | 0.00    | -84.83    | -84.83  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.48942G | -60.39    | -41.20     | -19.19     | 2.62    | 0.00    | -63.01    | -63.01  |
| 2.5235G     | 3G         | 1M      | AV   | 2.54244G | -85.05    | -41.20     | -43.85     | 2.62    | 0.00    | -87.67    | -87.67  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2412MHz

CSE [PK]

12/02/2022



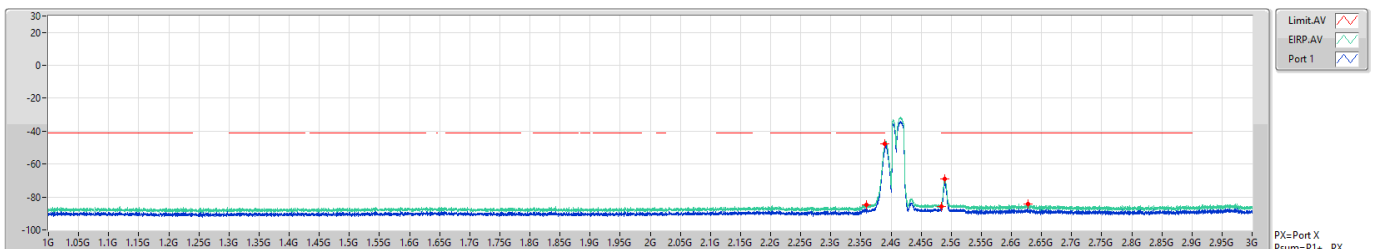
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | PK   | 1.5457G  | -75.41    | -21.20     | -54.21     | 2.62    | 0.00    | -78.03    | -78.03  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.3892G  | -35.54    | -21.20     | -14.34     | 2.62    | 0.00    | -38.16    | -38.16  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -76.20    | -21.20     | -55.00     | 2.62    | 0.00    | -78.82    | -78.82  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.48974G | -58.67    | -21.20     | -37.47     | 2.62    | 0.00    | -61.29    | -61.29  |
| 2.5235G     | 3G         | 1M      | PK   | 2.71104G | -73.68    | -21.20     | -52.48     | 2.62    | 0.00    | -76.30    | -76.30  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2412MHz

CSE [AV]

12/02/2022



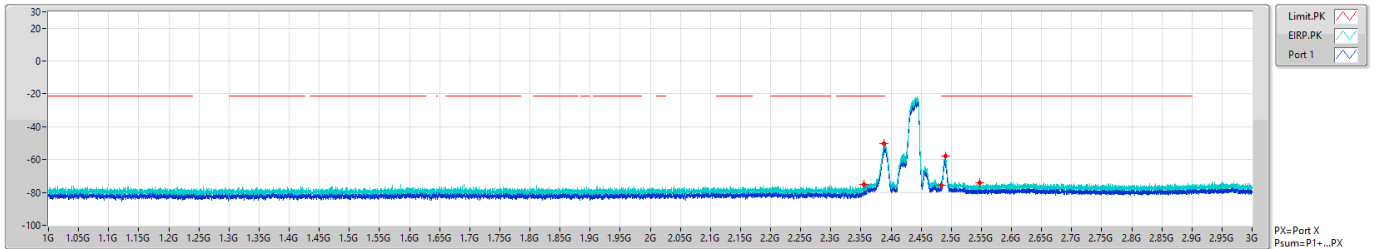
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35898G | -84.61    | -41.20     | -43.41     | 2.62    | 0.00    | -87.23    | -87.23  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.38904G | -47.78    | -41.20     | -6.58      | 2.62    | 0.00    | -50.40    | -50.40  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -85.67    | -41.20     | -44.47     | 2.62    | 0.00    | -88.29    | -88.29  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.48966G | -68.87    | -41.20     | -27.67     | 2.62    | 0.00    | -71.49    | -71.49  |
| 2.5235G     | 3G         | 1M      | AV   | 2.62809G | -84.50    | -41.20     | -43.30     | 2.62    | 0.00    | -87.12    | -87.12  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2437MHz

CSE [PK]

12/02/2022



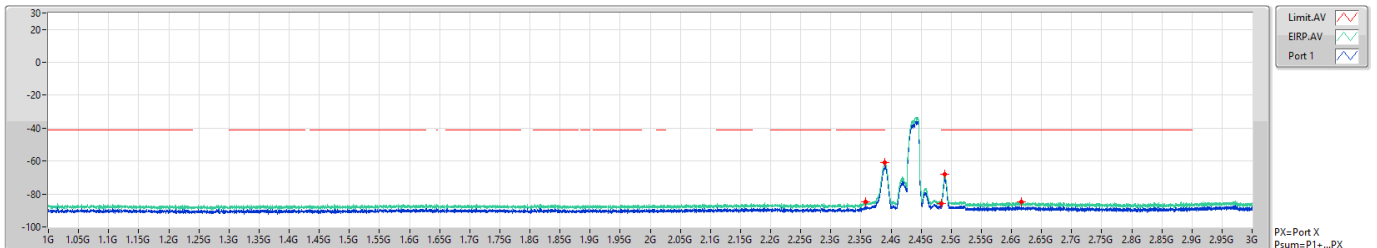
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | PK   | 2.35541G | -75.25    | -21.20     | -54.05     | 2.62    | 0.00    | -77.87    | -77.87  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38864G | -50.46    | -21.20     | -29.26     | 2.62    | 0.00    | -53.08    | -53.08  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -75.77    | -21.20     | -54.57     | 2.62    | 0.00    | -78.39    | -78.39  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.48998G | -57.76    | -21.20     | -36.56     | 2.62    | 0.00    | -60.38    | -60.38  |
| 2.5235G     | 3G         | 1M      | PK   | 2.54804G | -73.94    | -21.20     | -52.74     | 2.62    | 0.00    | -76.56    | -76.56  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2437MHz

CSE [AV]

12/02/2022



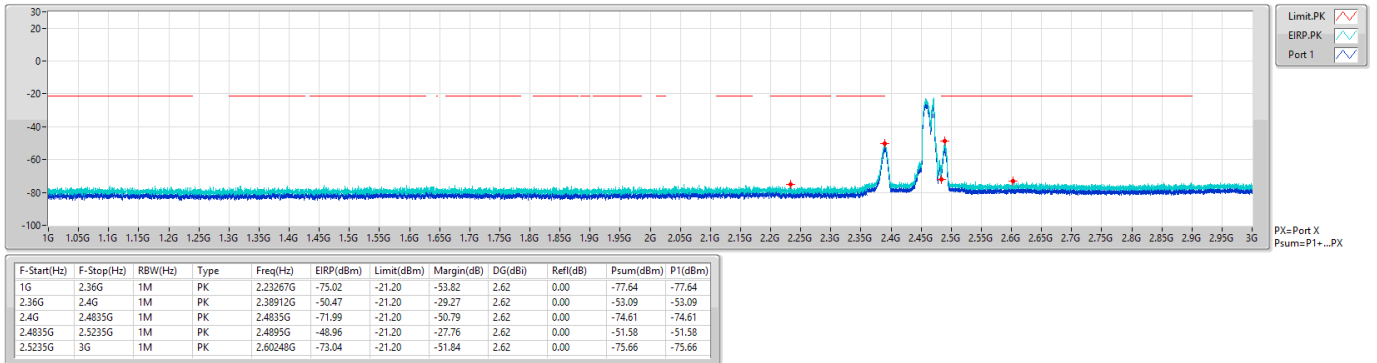
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35762G | -84.99    | -41.20     | -43.79     | 2.62    | 0.00    | -87.61    | -87.61  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.38968G | -61.10    | -41.20     | -19.90     | 2.62    | 0.00    | -63.72    | -63.72  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -85.99    | -41.20     | -44.79     | 2.62    | 0.00    | -88.61    | -88.61  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.48942G | -67.76    | -41.20     | -26.56     | 2.62    | 0.00    | -70.38    | -70.38  |
| 2.5235G     | 3G         | 1M      | AV   | 2.61713G | -84.83    | -41.20     | -43.63     | 2.62    | 0.00    | -87.45    | -87.45  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2462MHz

CSE [PK]

12/02/2022

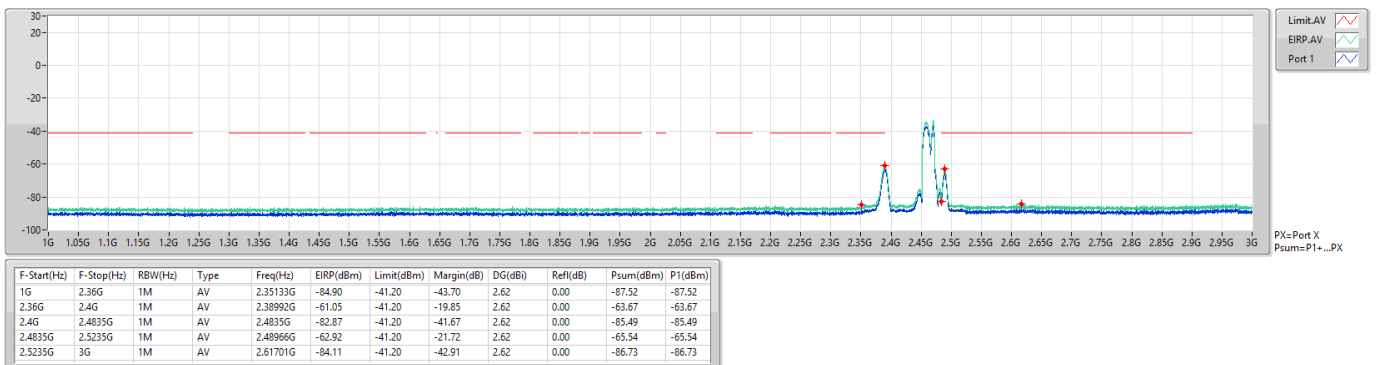


802.11ax HEW20\_Nss1,(MCS0)\_1TX

2462MHz

CSE [AV]

12/02/2022



**Summary**

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2.4-2.4835GHz                  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              |
| 802.11b_Nss1,(1Mbps)_2TX       | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51782G     | 4.29        | -65.81      | -87.34      | -65.78        | -61.49        | -41.20         | -20.29         |
| 802.11g_Nss1,(6Mbps)_2TX       | Pass   | 2.36G           | 2.4G           | AV   | 2.38896G     | 4.29        | -66.60      | -62.03      | -60.73        | -56.44        | -41.20         | -15.24         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | 2.36G           | 2.4G           | AV   | 2.388G       | 4.29        | -61.40      | -58.37      | -56.62        | -52.33        | -41.20         | -11.13         |

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



# CSE (Restricted Band) \_Radio 1 (Harmonic 1GHz ~ 3GHz)

## Appendix F.3

### Result

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35728G     | 4.29        | -88.50      | -86.51      | -84.38        | -80.09        | -41.20         | -38.89         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3872G      | 4.29        | -73.06      | -73.65      | -70.33        | -66.04        | -41.20         | -24.84         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.69      | -88.19      | -84.92        | -80.63        | -41.20         | -39.43         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.4899G      | 4.29        | -85.45      | -84.36      | -81.86        | -77.57        | -41.20         | -36.37         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.66645G     | 4.29        | -86.96      | -86.07      | -83.48        | -79.19        | -41.20         | -37.99         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.3107G      | 4.29        | -79.11      | -77.21      | -75.05        | -70.76        | -21.20         | -49.56         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.386G       | 4.29        | -64.13      | -63.86      | -60.98        | -56.69        | -21.20         | -35.49         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -78.79      | -77.47      | -75.07        | -70.78        | -21.20         | -49.58         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48982G     | 4.29        | -74.77      | -74.57      | -71.66        | -67.37        | -21.20         | -46.17         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.89755G     | 4.29        | -75.30      | -76.99      | -73.05        | -68.76        | -21.20         | -47.56         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.25715G     | 4.29        | -87.75      | -87.33      | -84.52        | -80.23        | -41.20         | -39.03         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3868G      | 4.29        | -75.84      | -73.70      | -71.63        | -67.34        | -41.20         | -26.14         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -88.32      | -87.99      | -85.14        | -80.85        | -41.20         | -39.65         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50766G     | 4.29        | -80.86      | -87.60      | -80.03        | -75.74        | -41.20         | -34.54         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.64477G     | 4.29        | -86.84      | -86.73      | -83.77        | -79.48        | -41.20         | -38.28         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.72624G     | 4.29        | -69.40      | -81.08      | -69.11        | -64.82        | -21.20         | -43.62         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38768G     | 4.29        | -63.69      | -65.28      | -61.40        | -57.11        | -21.20         | -35.91         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -76.55      | -77.07      | -73.79        | -69.50        | -21.20         | -48.30         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.5187G      | 4.29        | -57.68      | -77.98      | -57.64        | -53.35        | -21.20         | -32.15         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.79046G     | 4.29        | -76.79      | -74.84      | -72.70        | -68.41        | -21.20         | -47.21         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 1.94724G     | 4.29        | -88.26      | -86.94      | -84.54        | -80.25        | -41.20         | -39.05         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38672G     | 4.29        | -73.57      | -75.31      | -71.34        | -67.05        | -41.20         | -25.85         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.49      | -86.87      | -84.16        | -79.87        | -41.20         | -38.67         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51782G     | 4.29        | -65.81      | -87.34      | -65.78        | -61.49        | -41.20         | -20.29         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.6649G      | 4.29        | -87.44      | -86.36      | -83.86        | -79.57        | -41.20         | -38.37         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.95302G     | 4.29        | -79.54      | -76.31      | -74.62        | -70.33        | -21.20         | -49.13         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38608G     | 4.29        | -65.71      | -64.02      | -61.77        | -57.48        | -21.20         | -36.28         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -78.19      | -78.74      | -75.45        | -71.16        | -21.20         | -49.96         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50966G     | 4.29        | -75.83      | -70.90      | -69.69        | -65.40        | -21.20         | -44.20         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.83263G     | 4.29        | -75.24      | -76.33      | -72.74        | -68.45        | -21.20         | -47.25         |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35694G     | 4.29        | -87.12      | -86.09      | -83.56        | -79.27        | -41.20         | -38.07         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38896G     | 4.29        | -66.60      | -62.03      | -60.73        | -56.44        | -41.20         | -15.24         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.70      | -87.73      | -84.70        | -80.41        | -41.20         | -39.21         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51902G     | 4.29        | -76.77      | -87.58      | -76.42        | -72.13        | -41.20         | -30.93         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.67801G     | 4.29        | -86.52      | -86.89      | -83.69        | -79.40        | -41.20         | -38.20         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.35745G     | 4.29        | -80.06      | -76.16      | -74.68        | -70.39        | -21.20         | -49.19         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.39G        | 4.29        | -53.89      | -48.47      | -47.37        | -43.08        | -21.20         | -21.88         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -78.86      | -77.86      | -75.32        | -71.03        | -21.20         | -49.83         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49046G     | 4.29        | -75.44      | -72.06      | -70.42        | -66.13        | -21.20         | -44.93         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.85026G     | 4.29        | -76.63      | -75.64      | -73.10        | -68.81        | -21.20         | -47.61         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35847G     | 4.29        | -87.79      | -87.12      | -84.43        | -80.14        | -41.20         | -38.94         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38592G     | 4.29        | -72.78      | -72.93      | -69.84        | -65.55        | -41.20         | -24.35         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.05      | -87.07      | -84.05        | -79.76        | -41.20         | -38.56         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50118G     | 4.29        | -67.73      | -86.74      | -67.68        | -63.39        | -41.20         | -22.19         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.69456G     | 4.29        | -86.49      | -86.39      | -83.43        | -79.14        | -41.20         | -37.94         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.32974G     | 4.29        | -77.26      | -79.45      | -75.21        | -70.92        | -21.20         | -49.72         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.386G       | 4.29        | -62.02      | -63.41      | -59.65        | -55.36        | -21.20         | -34.16         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -77.14      | -77.80      | -74.45        | -70.16        | -21.20         | -48.96         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49078G     | 4.29        | -74.11      | -73.69      | -70.88        | -66.59        | -21.20         | -45.39         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.60784G     | 4.29        | -74.77      | -77.95      | -73.06        | -68.77        | -21.20         | -47.57         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35711G     | 4.29        | -87.05      | -86.76      | -83.89        | -79.60        | -41.20         | -38.40         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38664G     | 4.29        | -72.76      | -72.55      | -69.64        | -65.35        | -41.20         | -24.15         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.45      | -87.91      | -84.66        | -80.37        | -41.20         | -39.17         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.5011G      | 4.29        | -87.84      | -69.06      | -69.00        | -64.71        | -41.20         | -23.51         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.69909G     | 4.29        | -86.15      | -86.81      | -83.46        | -79.17        | -41.20         | -37.97         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.35728G     | 4.29        | -77.66      | -77.18      | -74.40        | -70.11        | -21.20         | -48.91         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38648G     | 4.29        | -62.78      | -63.49      | -60.11        | -55.82        | -21.20         | -34.62         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -77.79      | -78.10      | -74.93        | -70.64        | -21.20         | -49.44         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.5187G      | 4.29        | -56.02      | -76.49      | -55.98        | -51.69        | -21.20         | -30.49         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.78474G     | 4.29        | -78.38      | -74.18      | -72.78        | -68.49        | -21.20         | -47.29         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35779G     | 4.29        | -87.24      | -86.08      | -83.61        | -79.32        | -41.20         | -38.12         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.388G       | 4.29        | -61.40      | -58.37      | -56.62        | -52.33        | -41.20         | -11.13         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.80      | -87.46      | -84.62        | -80.33        | -41.20         | -39.13         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48998G     | 4.29        | -84.99      | -83.00      | -80.87        | -76.58        | -41.20         | -35.38         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.67193G     | 4.29        | -85.91      | -87.54      | -83.64        | -79.35        | -41.20         | -38.15         |

| Mode    | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|---------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2412MHz | Pass   | 1G              | 2.36G          | PK   | 2.35643G     | 4.29        | -77.91      | -76.59      | -74.19        | -69.90        | -21.20         | -48.70         |
| 2412MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.38768G     | 4.29        | -50.91      | -43.72      | -42.96        | -38.67        | -21.20         | -17.47         |
| 2412MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -76.98      | -79.12      | -74.91        | -70.62        | -21.20         | -49.42         |
| 2412MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50126G     | 4.29        | -62.60      | -74.52      | -62.33        | -58.04        | -21.20         | -36.84         |
| 2412MHz | Pass   | 2.5235G         | 3G             | PK   | 2.66169G     | 4.29        | -75.81      | -76.73      | -73.24        | -68.95        | -21.20         | -47.75         |
| 2437MHz | Pass   | 1G              | 2.36G          | AV   | 2.35694G     | 4.29        | -86.63      | -87.71      | -84.13        | -79.84        | -41.20         | -38.64         |
| 2437MHz | Pass   | 2.36G           | 2.4G           | AV   | 2.38608G     | 4.29        | -72.71      | -73.08      | -69.88        | -65.59        | -41.20         | -24.39         |
| 2437MHz | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.19      | -87.84      | -84.49        | -80.20        | -41.20         | -39.00         |
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49006G     | 4.29        | -83.09      | -83.69      | -80.37        | -76.08        | -41.20         | -34.88         |
| 2437MHz | Pass   | 2.5235G         | 3G             | AV   | 2.69325G     | 4.29        | -87.99      | -85.68      | -83.67        | -79.38        | -41.20         | -38.18         |
| 2437MHz | Pass   | 1G              | 2.36G          | PK   | 2.35745G     | 4.29        | -79.56      | -75.71      | -74.21        | -69.92        | -21.20         | -48.72         |
| 2437MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.38704G     | 4.29        | -62.40      | -63.21      | -59.78        | -55.49        | -21.20         | -34.29         |
| 2437MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -78.13      | -77.93      | -75.02        | -70.73        | -21.20         | -49.53         |
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49046G     | 4.29        | -74.71      | -72.98      | -70.75        | -66.46        | -21.20         | -45.26         |
| 2437MHz | Pass   | 2.5235G         | 3G             | PK   | 2.89172G     | 4.29        | -74.74      | -77.36      | -72.85        | -68.56        | -21.20         | -47.36         |
| 2462MHz | Pass   | 1G              | 2.36G          | AV   | 1.93721G     | 4.29        | -88.47      | -84.85      | -83.28        | -78.99        | -41.20         | -37.79         |
| 2462MHz | Pass   | 2.36G           | 2.4G           | AV   | 2.38632G     | 4.29        | -72.62      | -75.54      | -70.83        | -66.54        | -41.20         | -25.34         |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 4.29        | -87.63      | -87.55      | -84.58        | -80.29        | -41.20         | -39.09         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.48926G     | 4.29        | -82.12      | -83.29      | -79.66        | -75.37        | -41.20         | -34.17         |
| 2462MHz | Pass   | 2.5235G         | 3G             | AV   | 2.81976G     | 4.29        | -86.71      | -86.09      | -83.38        | -79.09        | -41.20         | -37.89         |
| 2462MHz | Pass   | 1G              | 2.36G          | PK   | 2.3566G      | 4.29        | -77.32      | -78.25      | -74.75        | -70.46        | -21.20         | -49.26         |
| 2462MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.38616G     | 4.29        | -62.45      | -64.77      | -60.45        | -56.16        | -21.20         | -34.96         |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 4.29        | -77.76      | -78.28      | -75.00        | -70.71        | -21.20         | -49.51         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.48806G     | 4.29        | -72.52      | -69.59      | -67.80        | -63.51        | -21.20         | -42.31         |
| 2462MHz | Pass   | 2.5235G         | 3G             | PK   | 2.83918G     | 4.29        | -75.52      | -76.52      | -72.98        | -68.69        | -21.20         | -47.49         |

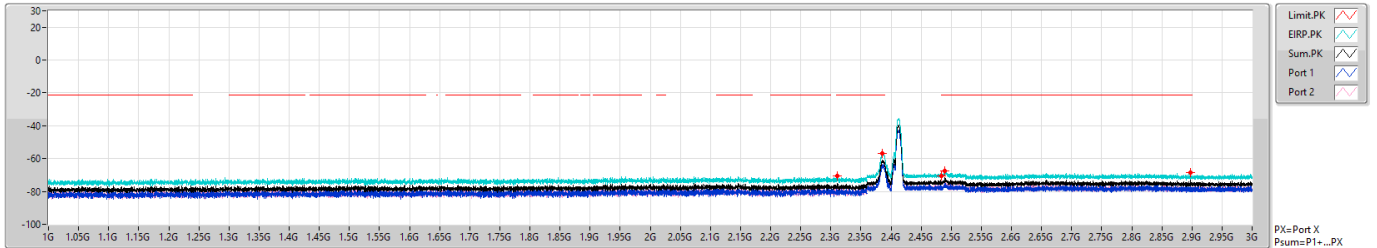
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

## 802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

CSE [PK]

22/03/2022



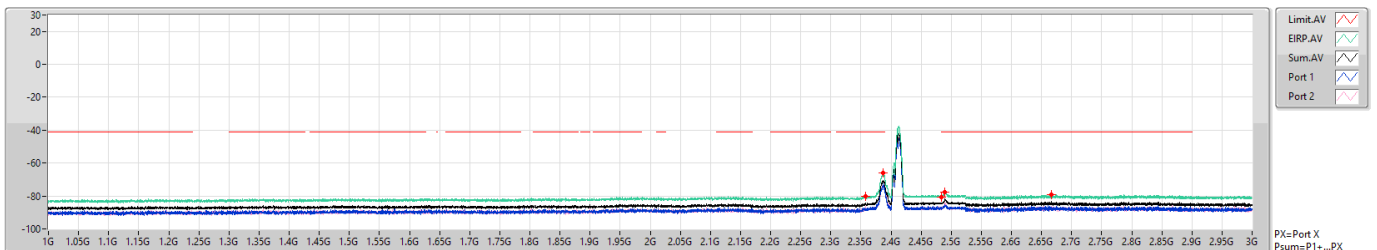
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | PK   | 2.3107G  | -70.76    | -21.20     | -49.56     | 4.29   | 0.00    | -75.05    | -79.11  | -77.21  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.386G   | -56.69    | -21.20     | -35.49     | 4.29   | 0.00    | -60.98    | -64.13  | -63.86  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -70.78    | -21.20     | -49.58     | 4.29   | 0.00    | -75.07    | -78.79  | -77.47  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.48982G | -67.37    | -21.20     | -46.17     | 4.29   | 0.00    | -71.66    | -74.77  | -74.57  |
| 2.5235G     | 3G         | 1M      | PK   | 2.89755G | -68.76    | -21.20     | -47.56     | 4.29   | 0.00    | -73.05    | -75.30  | -76.99  |

## 802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

CSE [AV]

22/03/2022



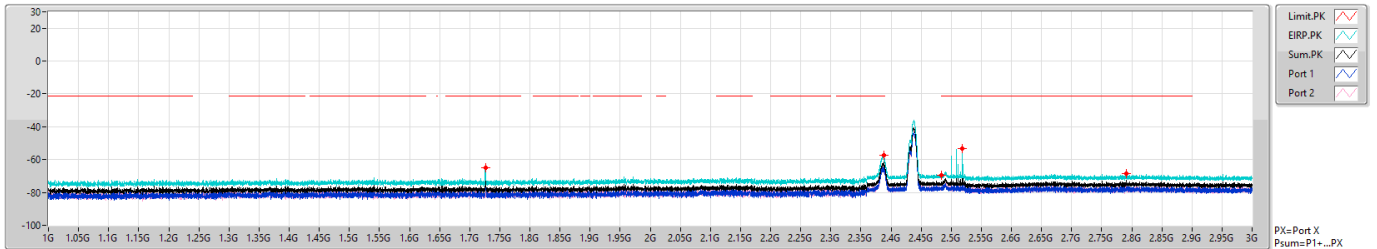
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35728G | -80.09    | -41.20     | -38.89     | 4.29   | 0.00    | -84.38    | -88.50  | -86.51  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.3872G  | -66.04    | -41.20     | -24.84     | 4.29   | 0.00    | -70.33    | -73.06  | -73.65  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -80.63    | -41.20     | -39.43     | 4.29   | 0.00    | -84.92    | -87.69  | -88.19  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.4899G  | -77.57    | -41.20     | -36.37     | 4.29   | 0.00    | -81.86    | -85.45  | -84.36  |
| 2.5235G     | 3G         | 1M      | AV   | 2.66645G | -79.19    | -41.20     | -37.99     | 4.29   | 0.00    | -83.48    | -86.96  | -86.07  |

## 802.11b\_Nss1,(1Mbps)\_2TX

2437MHz

CSE [PK]

22/03/2022



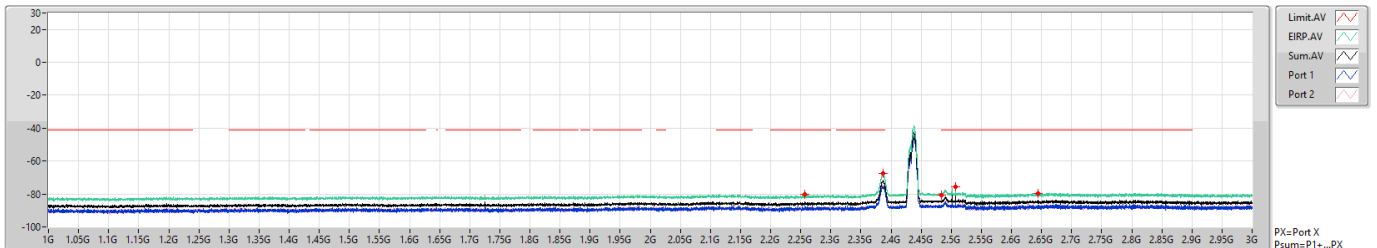
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | PK   | 1.72624G | -64.82    | -21.20     | -43.62     | 4.29   | 0.00    | -69.11    | -69.40  | -81.08  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38768G | -57.11    | -21.20     | -35.91     | 4.29   | 0.00    | -61.40    | -63.69  | -65.28  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -69.50    | -21.20     | -48.30     | 4.29   | 0.00    | -73.79    | -76.55  | -77.07  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.5187G  | -53.35    | -21.20     | -32.15     | 4.29   | 0.00    | -57.64    | -57.68  | -77.98  |
| 2.5235G     | 3G         | 1M      | PK   | 2.79046G | -68.41    | -21.20     | -47.21     | 4.29   | 0.00    | -72.70    | -76.79  | -74.84  |

## 802.11b\_Nss1,(1Mbps)\_2TX

2437MHz

CSE [AV]

22/03/2022



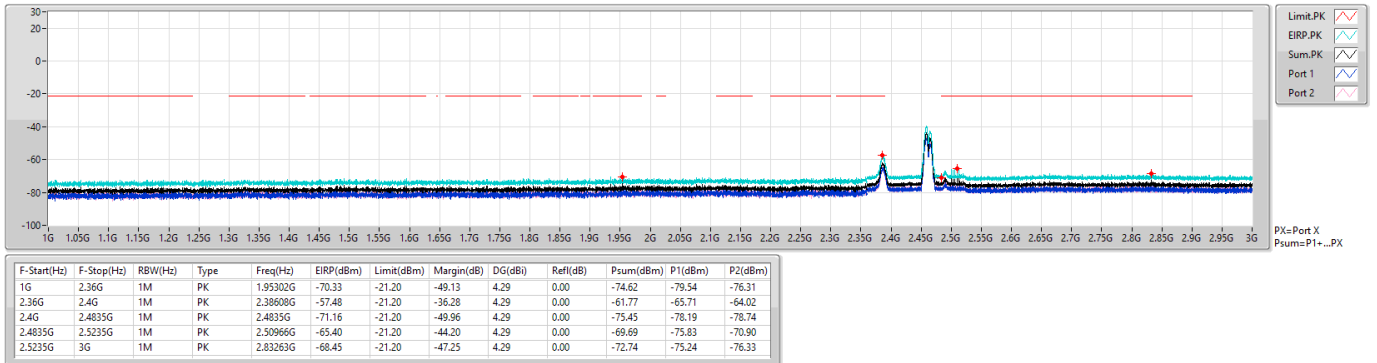
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.25715G | -80.23    | -41.20     | -39.03     | 4.29   | 0.00    | -84.52    | -87.75  | -87.33  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.3868G  | -67.34    | -41.20     | -26.14     | 4.29   | 0.00    | -71.63    | -75.84  | -73.70  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -80.85    | -41.20     | -39.65     | 4.29   | 0.00    | -85.14    | -88.32  | -87.99  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.50766G | -75.74    | -41.20     | -34.54     | 4.29   | 0.00    | -80.03    | -80.86  | -87.60  |
| 2.5235G     | 3G         | 1M      | AV   | 2.64477G | -79.48    | -41.20     | -38.28     | 4.29   | 0.00    | -83.77    | -86.84  | -86.73  |

802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

CSE [PK]

22/03/2022

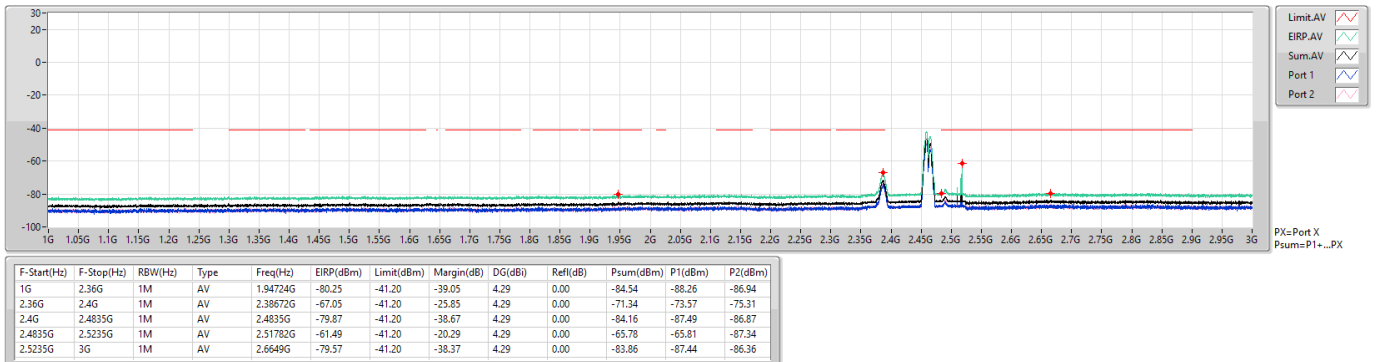


802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

CSE [AV]

22/03/2022

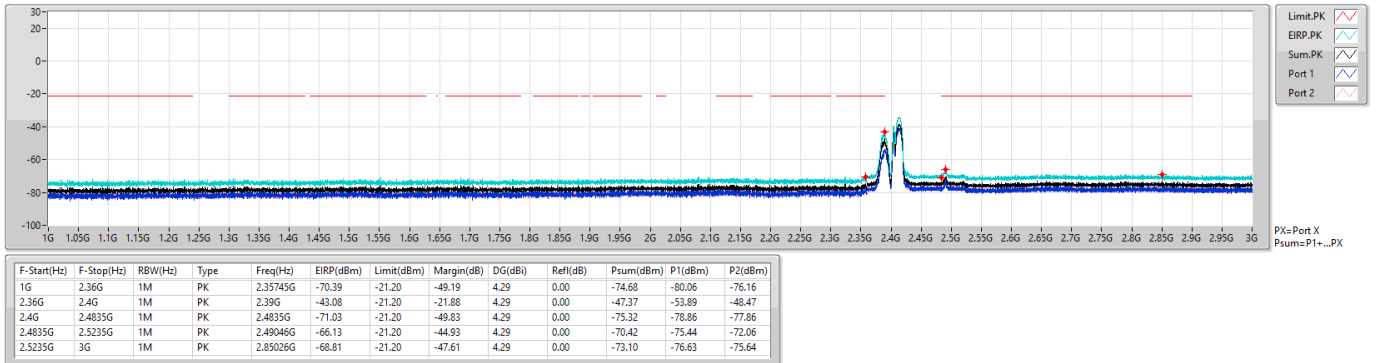


802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

CSE [PK]

22/03/2022

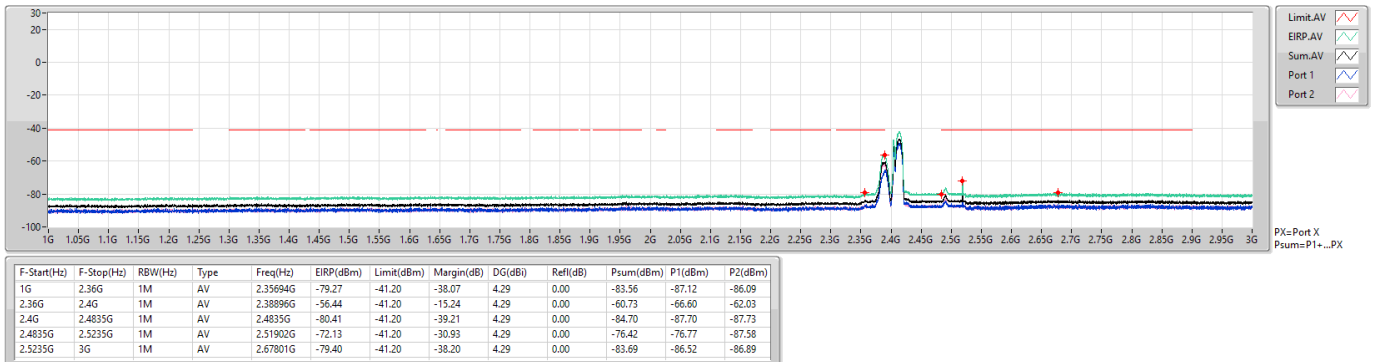


802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

CSE [AV]

22/03/2022

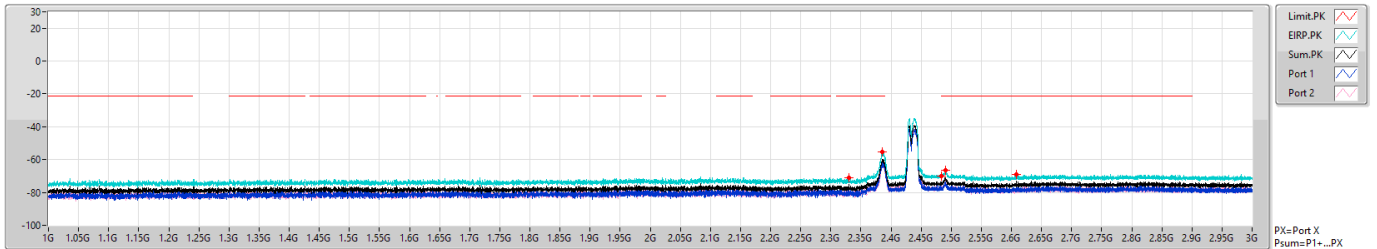


## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

CSE [PK]

22/03/2022



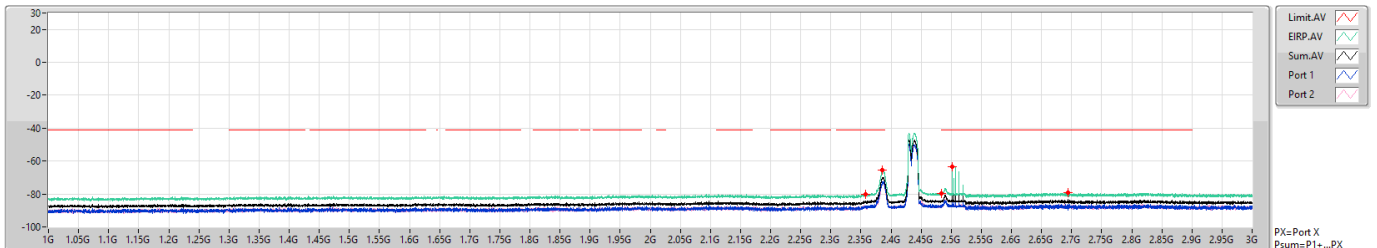
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | PK   | 2.32974G | -70.92    | -21.20     | -49.72     | 4.29   | 0.00    | -75.21    | -77.26  | -79.45  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.396G   | -55.36    | -21.20     | -34.16     | 4.29   | 0.00    | -59.65    | -62.02  | -63.41  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -70.16    | -21.20     | -48.96     | 4.29   | 0.00    | -74.45    | -77.14  | -77.80  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.49078G | -66.59    | -21.20     | -45.39     | 4.29   | 0.00    | -70.88    | -74.11  | -73.69  |
| 2.5235G     | 3G         | 1M      | PK   | 2.60784G | -68.77    | -21.20     | -47.57     | 4.29   | 0.00    | -73.06    | -74.77  | -77.95  |

## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

CSE [AV]

22/03/2022



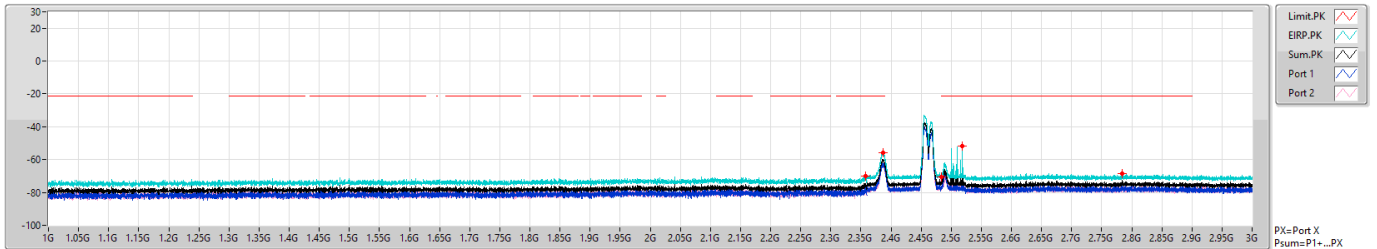
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35947G | -80.14    | -41.20     | -38.94     | 4.29   | 0.00    | -84.43    | -87.79  | -87.12  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.3892G  | -65.55    | -41.20     | -24.35     | 4.29   | 0.00    | -69.84    | -72.78  | -72.93  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -79.76    | -41.20     | -38.56     | 4.29   | 0.00    | -84.05    | -87.05  | -87.07  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.50118G | -63.39    | -41.20     | -22.19     | 4.29   | 0.00    | -67.68    | -67.73  | -86.74  |
| 2.5235G     | 3G         | 1M      | AV   | 2.69456G | -79.14    | -41.20     | -37.94     | 4.29   | 0.00    | -83.43    | -86.49  | -86.39  |

802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

CSE [PK]

22/03/2022



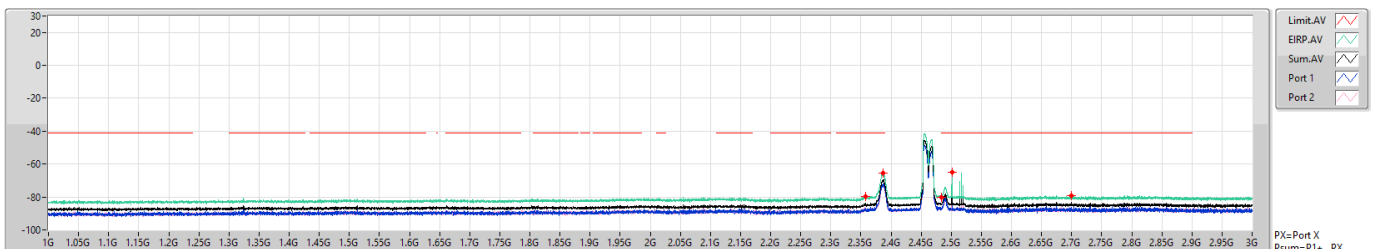
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | PK   | 2.35728G | -70.11    | -21.20     | -48.91     | 4.29    | 0.00    | -74.40    | -77.66  | -77.18  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.39648G | -55.82    | -21.20     | -34.62     | 4.29    | 0.00    | -60.11    | -62.78  | -63.49  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -70.64    | -21.20     | -49.44     | 4.29    | 0.00    | -74.93    | -77.79  | -78.10  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.5187G  | -51.69    | -21.20     | -30.49     | 4.29    | 0.00    | -55.98    | -56.02  | -76.49  |
| 2.5235G     | 3G         | 1M      | PK   | 2.78474G | -68.49    | -21.20     | -47.29     | 4.29    | 0.00    | -72.78    | -78.38  | -74.18  |

802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

CSE [AV]

22/03/2022



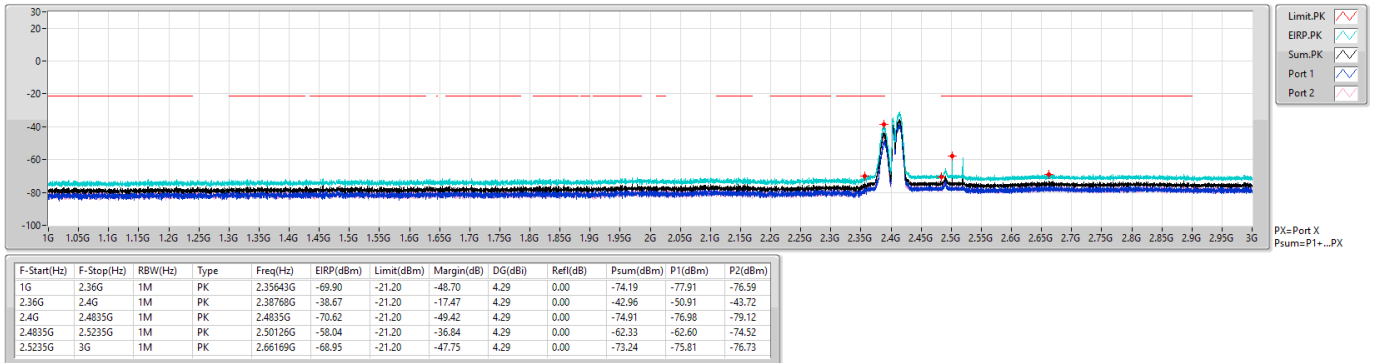
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dBi) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|---------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35711G | -79.60    | -41.20     | -38.40     | 4.29    | 0.00    | -83.89    | -87.05  | -86.76  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.39664G | -65.35    | -41.20     | -24.15     | 4.29    | 0.00    | -69.64    | -72.76  | -72.55  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -80.37    | -41.20     | -39.17     | 4.29    | 0.00    | -84.66    | -87.45  | -87.91  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.5011G  | -64.71    | -41.20     | -23.51     | 4.29    | 0.00    | -69.00    | -87.84  | -69.06  |
| 2.5235G     | 3G         | 1M      | AV   | 2.69909G | -79.17    | -41.20     | -37.97     | 4.29    | 0.00    | -83.46    | -86.15  | -86.81  |

802.11ax HEW20\_Nss1,(MCS0)\_2TX

2412MHz

CSE [PK]

22/03/2022

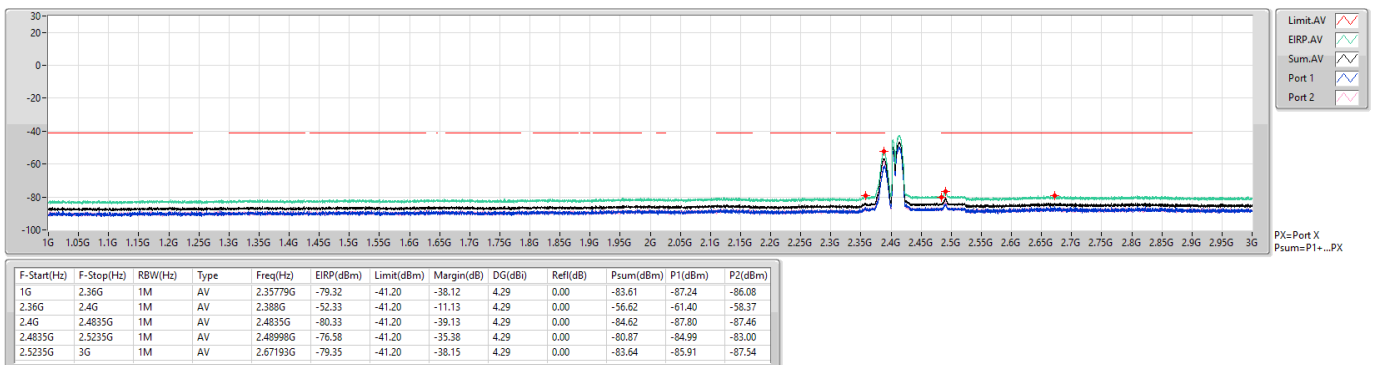


802.11ax HEW20\_Nss1,(MCS0)\_2TX

2412MHz

CSE [AV]

22/03/2022

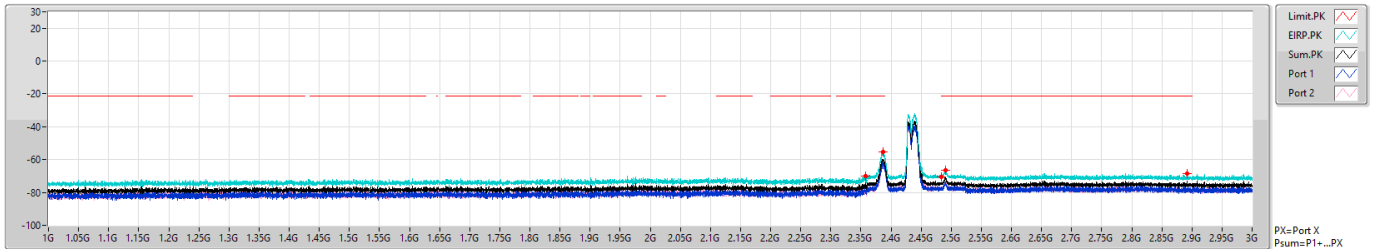


802.11ax HEW20\_Nss1,(MCS0)\_2TX

2437MHz

CSE [PK]

22/03/2022



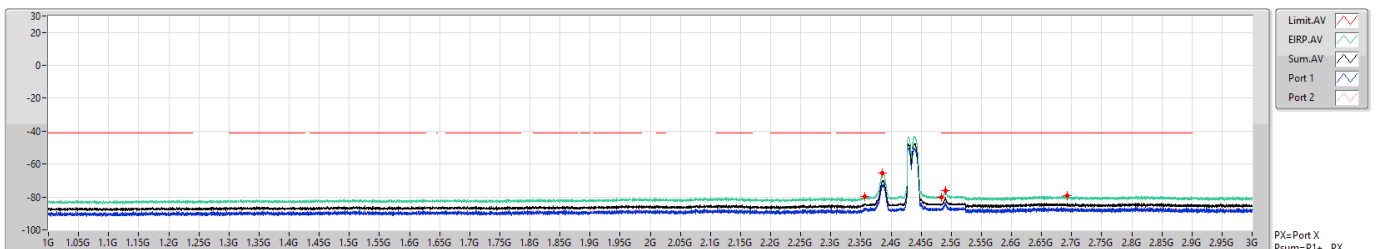
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | PK   | 2.35745G | -69.92    | -21.20     | -48.72     | 4.29   | 0.00    | -74.21    | -79.56  | -75.71  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38704G | -55.49    | -21.20     | -34.29     | 4.29   | 0.00    | -59.78    | -62.40  | -63.21  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -70.73    | -21.20     | -49.53     | 4.29   | 0.00    | -75.02    | -78.13  | -77.93  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.49046G | -66.46    | -21.20     | -45.26     | 4.29   | 0.00    | -70.75    | -74.71  | -72.98  |
| 2.5235G     | 3G         | 1M      | PK   | 2.89172G | -68.56    | -21.20     | -47.36     | 4.29   | 0.00    | -72.85    | -74.74  | -77.36  |

802.11ax HEW20\_Nss1,(MCS0)\_2TX

2437MHz

CSE [AV]

22/03/2022



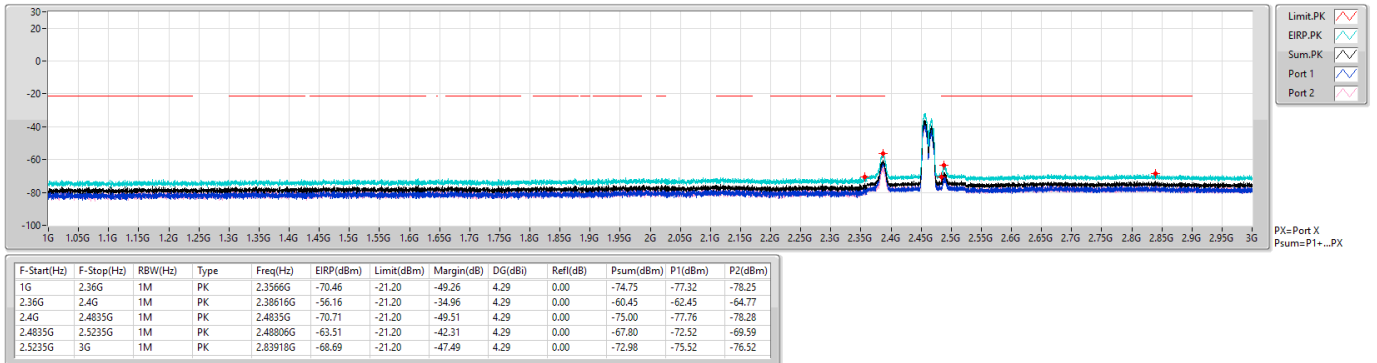
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35694G | -79.84    | -41.20     | -38.64     | 4.29   | 0.00    | -84.13    | -86.63  | -87.71  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.38608G | -65.59    | -41.20     | -24.39     | 4.29   | 0.00    | -69.88    | -72.71  | -73.08  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -80.20    | -41.20     | -39.00     | 4.29   | 0.00    | -84.49    | -87.19  | -87.84  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.49006G | -76.08    | -41.20     | -34.88     | 4.29   | 0.00    | -80.37    | -83.09  | -83.69  |
| 2.5235G     | 3G         | 1M      | AV   | 2.69325G | -79.38    | -41.20     | -38.18     | 4.29   | 0.00    | -83.67    | -87.99  | -85.68  |

802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz

CSE [PK]

22/03/2022

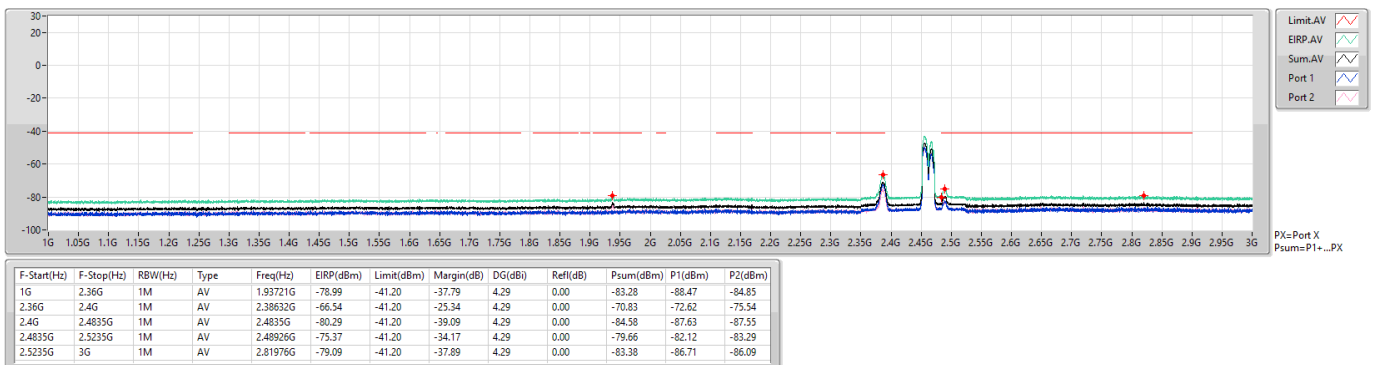


802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz

CSE [AV]

22/03/2022



**Summary**

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2.4-2.4835GHz                  | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 802.11b_Nss1,(1Mbps)_4TX       | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50102G     | 6.92        | -87.77      | -87.85      | -87.62      | -87.22      | -87.11        | -60.19        | -41.20         | -18.99         |
| 802.11g_Nss1,(6Mbps)_4TX       | Pass   | 2.36G           | 2.4G           | AV   | 2.38928G     | 6.92        | -70.13      | -65.14      | -68.65      | -67.62      | -61.47        | -54.55        | -41.20         | -13.35         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass   | 2.36G           | 2.4G           | AV   | 2.38848G     | 6.92        | -69.54      | -61.82      | -67.96      | -65.77      | -59.23        | -52.31        | -41.20         | -11.11         |

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

## Result

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 802.11b_Nss1,(1Mbps)_4TX       | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35762G     | 6.92        | -87.35      | -87.91      | -87.39      | -88.94      | -81.83        | -74.91        | -41.20         | -33.71         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3872G      | 6.92        | -72.69      | -74.22      | -74.73      | -75.83      | -68.20        | -61.28        | -41.20         | -20.08         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -87.18      | -87.63      | -87.91      | -87.41      | -81.50        | -74.58        | -41.20         | -33.38         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51158G     | 6.92        | -88.19      | -87.89      | -87.20      | -78.62      | -77.26        | -70.34        | -41.20         | -29.14         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.65489G     | 6.92        | -86.39      | -86.80      | -87.91      | -87.08      | -80.99        | -74.07        | -41.20         | -32.87         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.93772G     | 6.92        | -72.00      | -80.75      | -80.31      | -79.13      | -70.31        | -63.39        | -21.20         | -42.19         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38648G     | 6.92        | -63.98      | -62.75      | -66.37      | -66.28      | -58.55        | -51.63        | -21.20         | -30.43         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -78.24      | -79.08      | -78.11      | -77.70      | -72.23        | -65.31        | -21.20         | -44.11         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51902G     | 6.92        | -61.05      | -77.11      | -78.23      | -77.49      | -60.77        | -53.85        | -21.20         | -32.65         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.65585G     | 6.92        | -78.24      | -76.98      | -74.82      | -78.89      | -70.92        | -64.00        | -21.20         | -42.80         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35779G     | 6.92        | -87.80      | -87.86      | -86.85      | -88.26      | -81.64        | -74.72        | -41.20         | -33.52         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38656G     | 6.92        | -74.97      | -74.36      | -77.01      | -74.41      | -69.04        | -62.12        | -41.20         | -20.92         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -88.06      | -87.30      | -87.87      | -87.56      | -81.67        | -74.75        | -41.20         | -33.55         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50102G     | 6.92        | -87.77      | -87.85      | -87.62      | -87.22      | -81.11        | -60.19        | -41.20         | -18.99         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53374G     | 6.92        | -88.77      | -83.37      | -87.88      | -88.98      | -80.54        | -73.62        | -41.20         | -32.42         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 1.93806G     | 6.92        | -66.35      | -67.59      | -74.57      | -82.27      | -63.50        | -56.58        | -21.20         | -35.38         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38688G     | 6.92        | -66.36      | -65.86      | -67.60      | -63.02      | -59.34        | -52.42        | -21.20         | -31.22         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -78.26      | -78.29      | -77.94      | -78.91      | -72.32        | -65.40        | -21.20         | -44.20         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50862G     | 6.92        | -78.17      | -78.01      | -63.48      | -77.50      | -63.03        | -56.11        | -21.20         | -34.91         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.82203G     | 6.92        | -78.03      | -76.08      | -75.91      | -78.23      | -70.91        | -63.99        | -21.20         | -42.79         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35796G     | 6.92        | -88.32      | -87.77      | -88.11      | -87.60      | -81.92        | -75.00        | -41.20         | -33.80         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38688G     | 6.92        | -74.90      | -74.86      | -76.84      | -76.51      | -69.66        | -62.74        | -41.20         | -21.54         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -87.92      | -87.22      | -86.73      | -87.88      | -81.39        | -74.47        | -41.20         | -33.27         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49094G     | 6.92        | -85.37      | -84.46      | -83.27      | -84.87      | -78.40        | -71.48        | -41.20         | -30.28         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.82227G     | 6.92        | -86.76      | -87.55      | -86.98      | -86.82      | -81.00        | -74.08        | -41.20         | -32.88         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.27976G     | 6.92        | -78.44      | -77.56      | -80.27      | -79.19      | -72.73        | -65.81        | -21.20         | -44.61         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38672G     | 6.92        | -64.79      | -65.97      | -67.72      | -65.74      | -59.91        | -52.99        | -21.20         | -31.79         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -78.25      | -77.78      | -78.04      | -78.41      | -72.09        | -65.17        | -21.20         | -43.97         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49086G     | 6.92        | -75.46      | -74.77      | -71.10      | -75.77      | -67.80        | -60.88        | -21.20         | -39.68         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.79094G     | 6.92        | -79.24      | -75.30      | -76.58      | -77.00      | -70.79        | -63.87        | -21.20         | -42.67         |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 1.93619G     | 6.92        | -89.24      | -89.62      | -88.55      | -81.04      | -79.37        | -72.45        | -41.20         | -31.25         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38928G     | 6.92        | -70.13      | -65.14      | -68.65      | -67.62      | -61.47        | -54.55        | -41.20         | -13.35         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -88.04      | -87.68      | -88.18      | -87.28      | -81.76        | -74.84        | -41.20         | -33.64         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50126G     | 6.92        | -87.69      | -87.55      | -87.55      | -72.92      | -72.50        | -65.58        | -41.20         | -24.38         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.82548G     | 6.92        | -86.68      | -87.83      | -87.95      | -85.95      | -81.00        | -74.08        | -41.20         | -32.88         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.35558G     | 6.92        | -78.85      | -75.99      | -79.72      | -79.65      | -72.24        | -65.32        | -21.20         | -44.12         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38968G     | 6.92        | -58.14      | -50.14      | -58.78      | -55.57      | -48.15        | -41.23        | -21.20         | -20.03         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -78.57      | -78.41      | -78.13      | -77.54      | -72.12        | -65.20        | -21.20         | -44.00         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49038G     | 6.92        | -74.47      | -73.02      | -74.02      | -74.90      | -68.02        | -61.10        | -21.20         | -39.90         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.62261G     | 6.92        | -74.85      | -78.83      | -76.78      | -77.24      | -70.67        | -63.75        | -21.20         | -42.55         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35558G     | 6.92        | -87.58      | -87.52      | -86.99      | -87.54      | -81.38        | -74.46        | -41.20         | -33.26         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38672G     | 6.92        | -71.88      | -73.41      | -74.51      | -71.77      | -66.73        | -59.81        | -41.20         | -18.61         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -87.58      | -87.86      | -87.74      | -87.48      | -81.64        | -74.72        | -41.20         | -33.52         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.4911G      | 6.92        | -84.23      | -84.33      | -81.88      | -83.36      | -77.31        | -70.39        | -41.20         | -29.19         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.66264G     | 6.92        | -87.05      | -87.11      | -86.88      | -87.09      | -81.01        | -74.09        | -41.20         | -32.89         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.35677G     | 6.92        | -78.69      | -79.64      | -79.90      | -76.82      | -72.56        | -65.64        | -21.20         | -44.44         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38584G     | 6.92        | -62.77      | -63.89      | -60.98      | -61.90      | -56.23        | -49.31        | -21.20         | -28.11         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -77.86      | -76.37      | -78.64      | -78.79      | -71.78        | -64.86        | -21.20         | -43.66         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.4923G      | 6.92        | -75.79      | -74.96      | -66.20      | -74.32      | -64.75        | -57.83        | -21.20         | -36.63         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.66859G     | 6.92        | -77.75      | -76.52      | -76.36      | -77.32      | -70.93        | -64.01        | -21.20         | -42.81         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35745G     | 6.92        | -87.77      | -87.35      | -87.39      | -87.53      | -81.49        | -74.57        | -41.20         | -33.37         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.386G       | 6.92        | -72.79      | -72.71      | -74.64      | -73.64      | -67.36        | -60.44        | -41.20         | -19.24         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -87.66      | -87.84      | -87.49      | -87.59      | -81.62        | -74.70        | -41.20         | -33.50         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.4903G      | 6.92        | -81.53      | -82.15      | -80.95      | -83.15      | -75.85        | -68.93        | -41.20         | -27.73         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.68348G     | 6.92        | -87.66      | -85.82      | -87.51      | -86.79      | -80.86        | -73.94        | -41.20         | -32.74         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.35949G     | 6.92        | -77.43      | -78.13      | -79.76      | -79.24      | -72.52        | -65.60        | -21.20         | -44.40         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.38672G     | 6.92        | -62.97      | -63.12      | -64.58      | -64.35      | -57.68        | -50.76        | -21.20         | -29.56         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -78.68      | -76.31      | -78.04      | -78.53      | -71.76        | -64.84        | -21.20         | -43.64         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49038G     | 6.92        | -70.15      | -71.46      | -67.52      | -72.68      | -63.99        | -57.07        | -21.20         | -36.87         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.64739G     | 6.92        | -78.34      | -75.82      | -75.63      | -77.80      | -70.72        | -63.80        | -21.20         | -42.60         |
| 802.11ax_HEW20_Nss1,(MCS0)_4TX | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.35677G     | 6.92        | -88.54      | -87.48      | -87.77      | -87.25      | -81.71        | -74.79        | -41.20         | -33.59         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.38848G     | 6.92        | -69.54      | -61.82      | -67.96      | -65.77      | -59.23        | -52.31        | -41.20         | -11.11         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -87.12      | -87.53      | -87.54      | -87.62      | -81.43        | -74.51        | -41.20         | -33.31         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.5015G      | 6.92        | -87.86      | -87.27      | -77.44      | -86.92      | -76.28        | -69.36        | -41.20         | -28.16         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.82822G     | 6.92        | -88.51      | -86.87      | -86.66      | -86.54      | -81.06        | -74.14        | -41.20         | -32.94         |

| Mode    | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|---------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2412MHz | Pass   | 1G              | 2.36G          | PK   | 2.35813G     | 6.92        | -79.65      | -77.79      | -79.76      | -77.11      | -72.40        | -65.48        | -21.20         | -44.28         |
| 2412MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.388G       | 6.92        | -56.76      | -47.76      | -53.04      | -53.16      | -45.43        | -38.51        | -21.20         | -17.31         |
| 2412MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -77.83      | -77.96      | -76.61      | -78.55      | -71.66        | -64.74        | -21.20         | -43.54         |
| 2412MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50158G     | 6.92        | -78.11      | -77.69      | -78.22      | -68.81      | -67.47        | -60.55        | -21.20         | -39.35         |
| 2412MHz | Pass   | 2.5235G         | 3G             | PK   | 2.68563G     | 6.92        | -76.52      | -78.15      | -76.34      | -75.61      | -70.54        | -63.62        | -21.20         | -42.42         |
| 2437MHz | Pass   | 1G              | 2.36G          | AV   | 2.35762G     | 6.92        | -87.49      | -86.75      | -87.41      | -86.84      | -81.09        | -74.17        | -41.20         | -32.97         |
| 2437MHz | Pass   | 2.36G           | 2.4G           | AV   | 2.38632G     | 6.92        | -72.08      | -73.13      | -73.99      | -71.39      | -66.52        | -59.60        | -41.20         | -18.40         |
| 2437MHz | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -87.43      | -87.59      | -87.21      | -87.66      | -81.45        | -74.53        | -41.20         | -33.33         |
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49118G     | 6.92        | -84.30      | -84.07      | -81.92      | -83.64      | -77.36        | -70.44        | -41.20         | -29.24         |
| 2437MHz | Pass   | 2.5235G         | 3G             | AV   | 2.66228G     | 6.92        | -86.48      | -87.61      | -87.12      | -86.48      | -80.88        | -73.96        | -41.20         | -32.76         |
| 2437MHz | Pass   | 1G              | 2.36G          | PK   | 2.35762G     | 6.92        | -76.58      | -78.09      | -79.60      | -78.68      | -72.07        | -65.15        | -21.20         | -43.95         |
| 2437MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.38584G     | 6.92        | -63.65      | -63.14      | -63.33      | -60.61      | -56.48        | -49.56        | -21.20         | -28.36         |
| 2437MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -77.79      | -78.41      | -78.36      | -78.48      | -72.23        | -65.31        | -21.20         | -44.11         |
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49102G     | 6.92        | -74.98      | -74.91      | -67.81      | -73.56      | -65.63        | -58.71        | -21.20         | -37.51         |
| 2437MHz | Pass   | 2.5235G         | 3G             | PK   | 2.67384G     | 6.92        | -77.64      | -75.11      | -77.70      | -77.04      | -70.72        | -63.80        | -21.20         | -42.60         |
| 2462MHz | Pass   | 1G              | 2.36G          | AV   | 2.35711G     | 6.92        | -86.25      | -87.83      | -87.87      | -88.62      | -81.53        | -74.61        | -41.20         | -33.41         |
| 2462MHz | Pass   | 2.36G           | 2.4G           | AV   | 2.38648G     | 6.92        | -72.32      | -76.02      | -77.66      | -73.86      | -68.48        | -61.56        | -41.20         | -20.36         |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 6.92        | -87.82      | -87.62      | -86.80      | -87.58      | -81.42        | -74.50        | -41.20         | -33.30         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49006G     | 6.92        | -82.59      | -83.46      | -82.05      | -83.67      | -76.87        | -69.95        | -41.20         | -28.75         |
| 2462MHz | Pass   | 2.5235G         | 3G             | AV   | 2.65871G     | 6.92        | -86.90      | -86.58      | -87.02      | -86.86      | -80.82        | -73.90        | -41.20         | -32.70         |
| 2462MHz | Pass   | 1G              | 2.36G          | PK   | 1.93857G     | 6.92        | -76.62      | -81.59      | -78.05      | -74.70      | -71.06        | -64.14        | -21.20         | -42.94         |
| 2462MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.38664G     | 6.92        | -62.93      | -65.80      | -68.54      | -62.59      | -58.35        | -51.43        | -21.20         | -30.23         |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 6.92        | -76.35      | -77.73      | -78.12      | -76.88      | -71.19        | -64.27        | -21.20         | -43.07         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51526G     | 6.92        | -78.17      | -64.48      | -78.28      | -77.87      | -63.95        | -57.03        | -21.20         | -35.83         |
| 2462MHz | Pass   | 2.5235G         | 3G             | PK   | 2.69182G     | 6.92        | -76.24      | -77.32      | -78.90      | -76.13      | -70.99        | -64.07        | -21.20         | -42.87         |

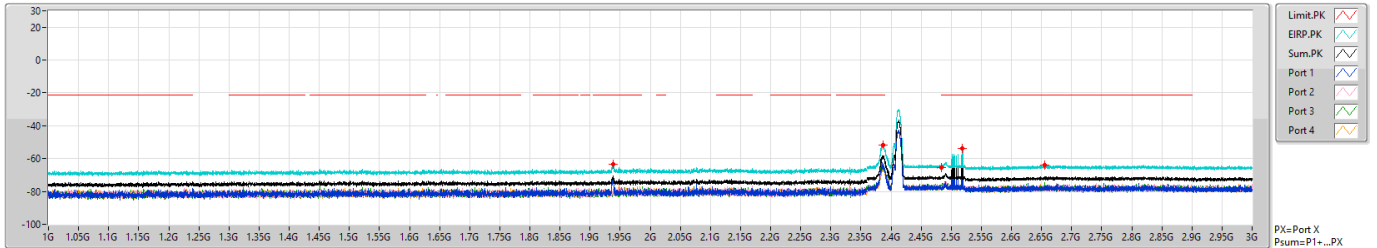
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11b\_Nss1,(1Mbps)\_4TX

2412MHz

CSE [PK]

22/03/2022



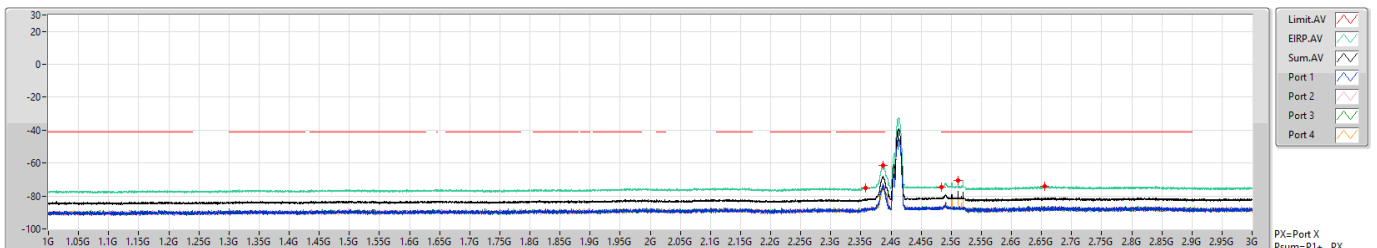
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|---------|---------|
| 1G          | 2.36G      | 1M      | PK   | 1.93772G | -63.39    | -21.20     | -42.19     | 6.92   | 0.00    | -70.31    | -72.00  | -80.75  | -80.31  | -79.13  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.38648G | -51.63    | -21.20     | -30.43     | 6.92   | 0.00    | -58.55    | -63.98  | -62.75  | -66.37  | -66.28  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -65.31    | -21.20     | -44.11     | 6.92   | 0.00    | -72.23    | -78.24  | -79.08  | -78.11  | -77.70  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.51902G | -53.85    | -21.20     | -32.65     | 6.92   | 0.00    | -60.77    | -61.05  | -77.11  | -78.23  | -77.49  |
| 2.5235G     | 3G         | 1M      | PK   | 2.65585G | -64.00    | -21.20     | -42.80     | 6.92   | 0.00    | -70.92    | -78.24  | -76.98  | -74.82  | -78.89  |

802.11b\_Nss1,(1Mbps)\_4TX

2412MHz

CSE [AV]

22/03/2022



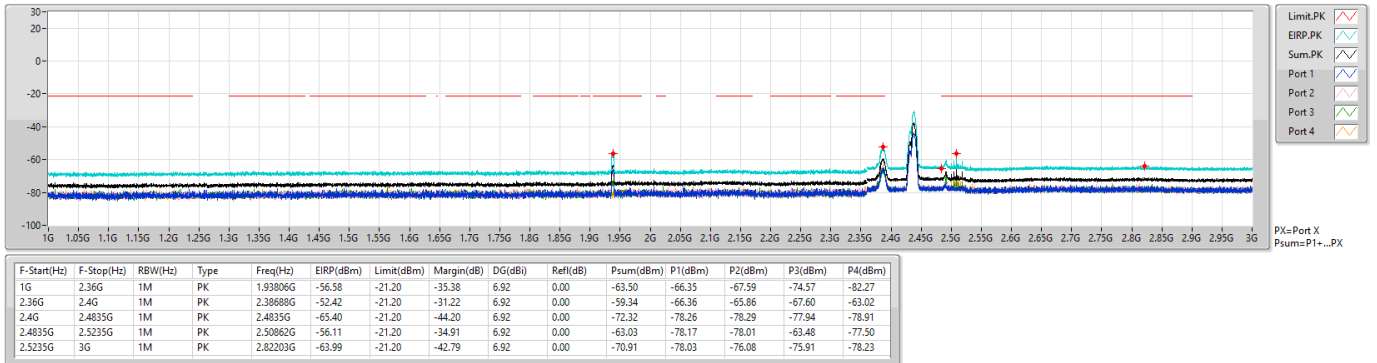
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|---------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.35762G | -74.91    | -41.20     | -33.71     | 6.92   | 0.00    | -81.83    | -87.35  | -87.91  | -87.39  | -88.94  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.3872G  | -61.28    | -41.20     | -20.08     | 6.92   | 0.00    | -68.20    | -72.69  | -74.22  | -74.73  | -75.83  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -74.58    | -41.20     | -33.38     | 6.92   | 0.00    | -81.50    | -87.18  | -87.63  | -87.91  | -87.41  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.51158G | -70.34    | -41.20     | -29.14     | 6.92   | 0.00    | -77.26    | -88.19  | -87.89  | -87.20  | -78.62  |
| 2.5235G     | 3G         | 1M      | AV   | 2.65489G | -74.07    | -41.20     | -32.87     | 6.92   | 0.00    | -80.99    | -86.39  | -86.80  | -87.91  | -87.08  |

802.11b\_Nss1,(1Mbps)\_4TX

2437MHz

CSE [PK]

22/03/2022

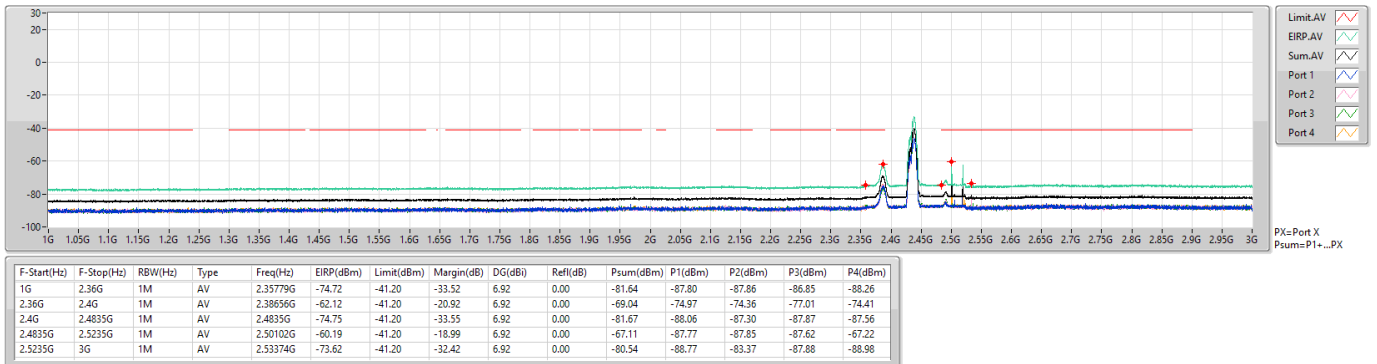


802.11b\_Nss1,(1Mbps)\_4TX

2437MHz

CSE [AV]

22/03/2022

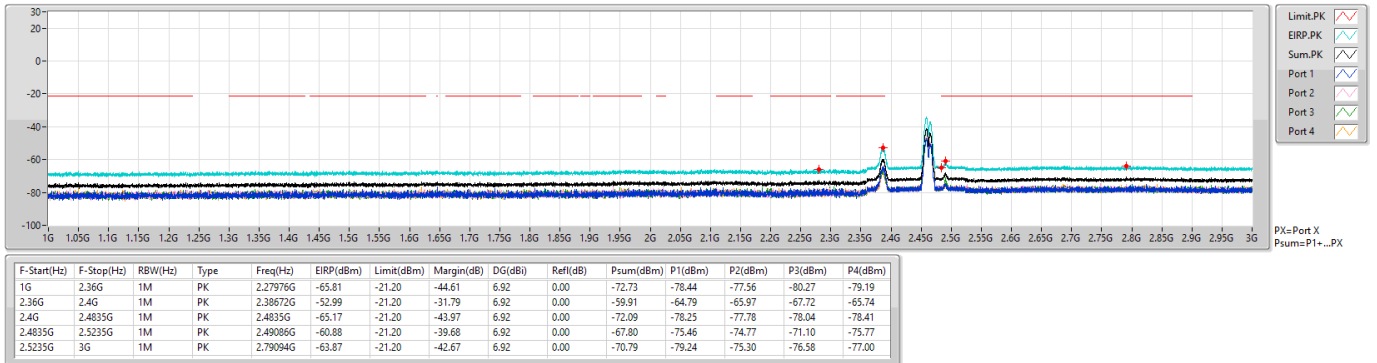


802.11b\_Nss1,(1Mbps)\_4TX

2462MHz

CSE [PK]

22/03/2022

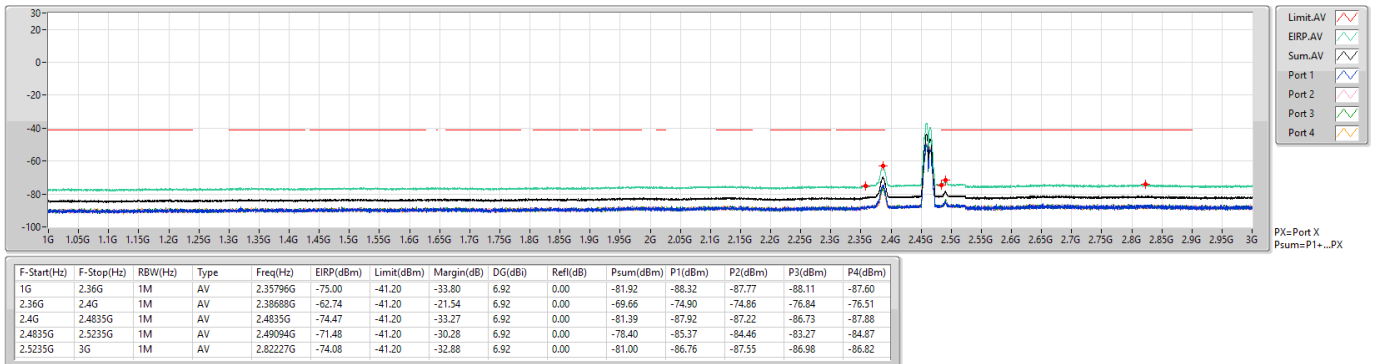


802.11b\_Nss1,(1Mbps)\_4TX

2462MHz

CSE [AV]

22/03/2022

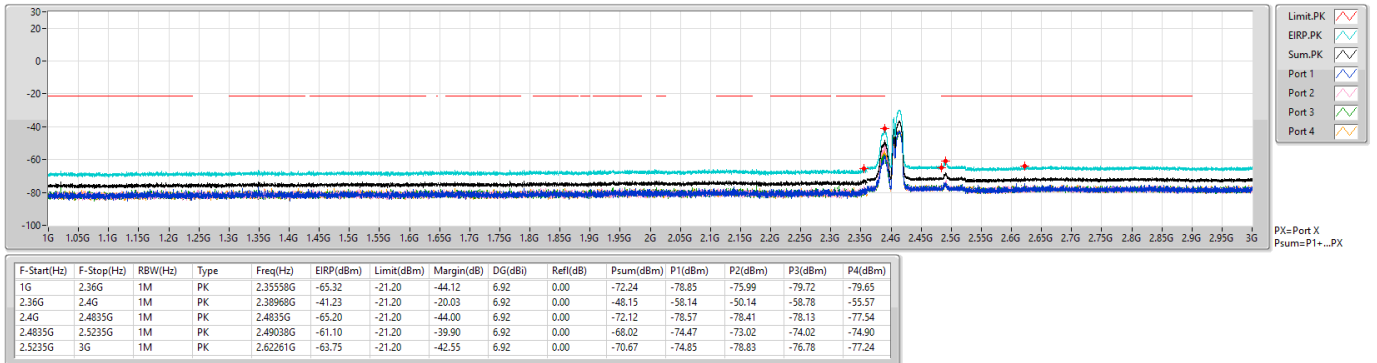


802.11g\_Nss1,(6Mbps)\_4TX

2412MHz

CSE [PK]

22/03/2022



802.11g\_Nss1,(6Mbps)\_4TX

2412MHz

CSE [AV]

22/03/2022

