



# RADIO TEST REPORT

**FCC ID** : 2AHBN-AP47  
**Equipment** : Wi-Fi 7 Wireless Access Point  
**Brand Name** : Juniper  
**Model Name** : AP47, AP47E, AP47D  
**Applicant** : Juniper Networks, Inc.  
1133 Innovation Way Sunnyvale, California 94089 USA  
**Manufacturer** : Juniper Networks, Inc.  
1133 Innovation Way Sunnyvale, California 94089 USA  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Oct. 15, 2024, and testing was started from Oct. 16, 2024 and completed on Jan. 17, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

***Sporton International Inc. Hsinchu Laboratory***

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



## Table of Contents

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| <b>History of this test report.....</b>                              | <b>3</b>  |
| <b>Summary of Test Result.....</b>                                   | <b>4</b>  |
| <b>1 General Description .....</b>                                   | <b>5</b>  |
| 1.1 Information.....                                                 | 5         |
| 1.2 Applicable Standards .....                                       | 24        |
| 1.3 Testing Location Information .....                               | 24        |
| 1.4 Measurement Uncertainty .....                                    | 25        |
| <b>2 Test Configuration of EUT .....</b>                             | <b>26</b> |
| 2.1 Test Channel Mode .....                                          | 26        |
| 2.2 The Worst Case Measurement Configuration .....                   | 29        |
| 2.3 EUT Operation during Test .....                                  | 40        |
| 2.4 Accessories .....                                                | 40        |
| 2.5 Support Equipment.....                                           | 40        |
| 2.6 Test Setup Diagram .....                                         | 42        |
| <b>3 Transmitter Test Result .....</b>                               | <b>45</b> |
| 3.1 AC Power-line Conducted Emissions .....                          | 45        |
| 3.2 Emission Bandwidth .....                                         | 47        |
| 3.3 Maximum EIRP Output Power .....                                  | 48        |
| 3.4 EIRP Power Spectral Density.....                                 | 50        |
| 3.5 Unwanted Emissions.....                                          | 53        |
| <b>4 Test Equipment and Calibration Data .....</b>                   | <b>59</b> |
| <b>Appendix A. Test Results of AC Power-line Conducted Emissions</b> |           |
| <b>Appendix B. Test Results of Emission Bandwidth</b>                |           |
| <b>Appendix C. Test Results of Maximum EIRP Output Power</b>         |           |
| <b>Appendix D. Test Results of EIRP Power Spectral Density</b>       |           |
| <b>Appendix E. Test Results of Unwanted Emissions</b>                |           |
| <b>Appendix F. Test Photos</b>                                       |           |
| <b>Photographs of EUT v01</b>                                        |           |



TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB-A12\_6 Ver2.0



## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                        | Result (PASS/FAIL) | Remark |
|---------------|-----------------|-----------------------------------|--------------------|--------|
| 1.1.3         | 15.203          | Antenna Requirement               | PASS               | -      |
| 3.1           | 15.207          | AC Power-line Conducted Emissions | PASS               | -      |
| 3.2           | 15.407(a)       | Emission Bandwidth                | PASS               | -      |
| 3.3           | 15.407(a)       | Maximum EIRP Output Power         | PASS               | -      |
| 3.4           | 15.407(a)       | EIRP Power Spectral Density       | PASS               | -      |
| 3.5           | 15.407(b)       | Unwanted Emissions                | PASS               | -      |

**Conformity Assessment Condition:**

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

**Disclaimer:**

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

**Reviewed by: Sam Chen****Report Producer: Cathy Chiu**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11                                   | Ch. Frequency (MHz) | Channel Number |
|-----------------------|----------------------------------------------------|---------------------|----------------|
| 5725-5895             | a, n (HT20), ac (VHT20),<br>ax (HEW20), be (EHT20) | 5845-5885           | 169-177 [3]    |
| 5725-5895             | n (HT40), ac (VHT40),<br>ax (HEW40), be (EHT40)    | 5835-5875           | 167-175 [2]    |
| 5725-5895             | ac (VHT80), ax (HEW80),<br>be (EHT80)              | 5855                | 171 [1]        |
| 5725-5895             | ac (VHT160),<br>ax (HEW160),<br>be (EHT160)        | 5815                | 163 [1]        |

#### For Radio 2:

| Band           | Mode               | BWch | Nant |
|----------------|--------------------|------|------|
| 5.725-5.895GHz | 802.11a            | 20   | 4TX  |
| 5.725-5.895GHz | 802.11n HT20       | 20   | 4TX  |
| 5.725-5.895GHz | 802.11n HT20-BF    | 20   | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT20     | 20   | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT20-BF  | 20   | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW20     | 20   | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW20-BF  | 20   | 4TX  |
| 5.725-5.895GHz | 802.11be EHT20     | 20   | 4TX  |
| 5.725-5.895GHz | 802.11be EHT20-BF  | 20   | 4TX  |
| 5.725-5.895GHz | 802.11n HT40       | 40   | 4TX  |
| 5.725-5.895GHz | 802.11n HT40-BF    | 40   | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT40     | 40   | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT40-BF  | 40   | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW40     | 40   | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW40-BF  | 40   | 4TX  |
| 5.725-5.895GHz | 802.11be EHT40     | 40   | 4TX  |
| 5.725-5.895GHz | 802.11be EHT40-BF  | 40   | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT80     | 80   | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT80-BF  | 80   | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW80     | 80   | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW80-BF  | 80   | 4TX  |
| 5.725-5.895GHz | 802.11be EHT80     | 80   | 4TX  |
| 5.725-5.895GHz | 802.11be EHT80-BF  | 80   | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT160    | 160  | 4TX  |
| 5.725-5.895GHz | 802.11ac VHT160-BF | 160  | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW160    | 160  | 4TX  |
| 5.725-5.895GHz | 802.11ax HEW160-BF | 160  | 4TX  |
| 5.725-5.895GHz | 802.11be EHT160    | 160  | 4TX  |



|                |                    |     |     |
|----------------|--------------------|-----|-----|
| 5.725-5.895GHz | 802.11be EHT160-BF | 160 | 4TX |
|----------------|--------------------|-----|-----|

## For Scanning Radio 4:

| Band           | Mode            | BWch | Nant |
|----------------|-----------------|------|------|
| 5.725-5.895GHz | 802.11a         | 20   | 2TX  |
| 5.725-5.895GHz | 802.11n HT20    | 20   | 2TX  |
| 5.725-5.895GHz | 802.11ac VHT20  | 20   | 2TX  |
| 5.725-5.895GHz | 802.11ax HEW20  | 20   | 2TX  |
| 5.725-5.895GHz | 802.11be EHT20  | 20   | 2TX  |
| 5.725-5.895GHz | 802.11n HT40    | 40   | 2TX  |
| 5.725-5.895GHz | 802.11ac VHT40  | 40   | 2TX  |
| 5.725-5.895GHz | 802.11ax HEW40  | 40   | 2TX  |
| 5.725-5.895GHz | 802.11be EHT40  | 40   | 2TX  |
| 5.725-5.895GHz | 802.11ac VHT80  | 80   | 2TX  |
| 5.725-5.895GHz | 802.11ax HEW80  | 80   | 2TX  |
| 5.725-5.895GHz | 802.11be EHT80  | 80   | 2TX  |
| 5.725-5.895GHz | 802.11ac VHT160 | 160  | 2TX  |
| 5.725-5.895GHz | 802.11ax HEW160 | 160  | 2TX  |
| 5.725-5.895GHz | 802.11be EHT160 | 160  | 2TX  |

## MRU (static preamble puncturing)

### For Multi\_RU/Puncturing:

| RU-tone | Configuration | Bandwidth (MHz) |     |     | 5GHz Test CH |
|---------|---------------|-----------------|-----|-----|--------------|
|         |               |                 |     |     | UNII-4       |
|         |               | 80              |     |     | CH171        |
| 484+242 | 1             |                 | 242 | 484 | V            |
|         | 2             | 242             |     | 484 | V            |
|         | 3             | 484             |     | 242 | V            |
|         | 4             | 484             | 242 |     | --           |

| RU-tone     | Configuration | Bandwidth (MHz) |     |     |     |     |     | 5GHz Test CH |     |   |
|-------------|---------------|-----------------|-----|-----|-----|-----|-----|--------------|-----|---|
|             |               |                 |     |     |     |     |     | UNII-4       |     |   |
|             |               | 160             |     |     |     |     |     | CH163        |     |   |
| 996+484     | 1             |                 |     | 484 |     | 996 |     |              | --  |   |
|             | 2             | 484             |     |     |     | 996 |     |              | V   |   |
|             | 3             | 996             |     |     |     |     |     | 484          | V   |   |
|             | 4             | 996             |     |     |     | 484 |     |              | V   |   |
| 996+484+242 | 1             |                 | 242 | 484 |     | 996 |     |              | V   |   |
|             | 2             | 242             |     | 484 |     | 996 |     |              | V   |   |
|             | 3             | 484             |     |     | 242 | 996 |     |              | V   |   |
|             | 4             | 484             |     | 242 |     | 996 |     |              | V   |   |
|             | 5             | 996             |     |     |     |     | 242 | 484          | V   |   |
|             | 6             | 996             |     |     |     | 242 |     | 484          | V   |   |
|             | 7             | 996             |     |     |     | 484 |     |              | 242 | V |
|             | 8             | 996             |     |     |     | 484 |     | 242          |     | V |

**Note:**

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ EHT20, EHT40, EHT80 and EHT160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Worst case of MRU(static preamble puncturing) evaluation procedure**

1. Complete test Full RU BE & PSD
2. Measure the PSD of each MRU(static preamble puncturing) by conducted method and it is less than the Full RU conducted PSD.
3. Measure the Band edge emission of each MRU(static preamble puncturing) by conducted method and find out the MRU(static preamble puncturing) worst case configuration.
4. Follow step 3 to find the worst MRU(static preamble puncturing) configuration and perform radiated BE/RSE testing
5. Confirm whether the worst MRU(static preamble puncturing) configuration setting in step 3 and step 4 is the same. If there is a channel where the setting drops due to the test in step 4, the PSD of MRU(static preamble puncturing) needs to be reduced.



### 1.1.3 Antenna Information

For EUT 1:

| Ant. | RF Port | Brand Name | Model Name | Ant. Type   | Connector | Gain (dBi) | Modes of Operation                                                                         |
|------|---------|------------|------------|-------------|-----------|------------|--------------------------------------------------------------------------------------------|
| 1    | 2       | Juniper    | AP47       | PIFA        | IPEX      | Note 1     | WLAN 2.4GHz,<br>WLAN 5GHz UNII 1-2A,<br>WLAN 6GHz UNII 7-8<br>(Radio 3)                    |
| 2    | 1       | Juniper    | AP47       | PIFA        | IPEX      |            |                                                                                            |
| 3    | 3       | Juniper    | AP47       | PIFA        | IPEX      |            |                                                                                            |
| 4    | 4       | Juniper    | AP47       | PIFA        | IPEX      |            |                                                                                            |
| 5    | 2       | Juniper    | AP47       | Alford loop | IPEX      |            | WLAN<br>5GHz UNII 1-2A or<br>UNII 2C-4<br>(Radio 2)                                        |
| 6    | 1       | Juniper    | AP47       | Alford loop | IPEX      |            |                                                                                            |
| 7    | 3       | Juniper    | AP47       | Alford loop | IPEX      |            |                                                                                            |
| 8    | 4       | Juniper    | AP47       | Alford loop | IPEX      |            |                                                                                            |
| 9    | 2       | Juniper    | AP47       | PIFA        | IPEX      |            | WLAN<br>6GHz UNII 5 or UNII 6-8<br>(Radio 1)                                               |
| 10   | 1       | Juniper    | AP47       | PIFA        | IPEX      |            |                                                                                            |
| 11   | 3       | Juniper    | AP47       | PIFA        | IPEX      |            |                                                                                            |
| 12   | 4       | Juniper    | AP47       | PIFA        | IPEX      |            |                                                                                            |
| 13   | 2       | Juniper    | AP47       | PIFA        | IPEX      |            | WLAN 2.4GHz,<br>WLAN 5GHz UNII 1-4,<br>WLAN 6GHz UNII 5-8<br>(Radio 4)<br>(Scanning radio) |
| 14   | 1       | Juniper    | AP47       | PIFA        | IPEX      |            |                                                                                            |
| 15   | 1       | Juniper    | AP47       | PIFA        | I-PEX     |            |                                                                                            |
| 16   | 1       | Juniper    | AP47       | Slot        | I-PEX     |            |                                                                                            |
| 17   | 1       | Juniper    | AP47       | PIFA        | I-PEX     |            | Bluetooth<br>(Radio 5)                                                                     |
| 18   | 1       | Juniper    | AP47       | PIFA        | IPEX      | 4.7        |                                                                                            |
| 19   | 2       | Juniper    | AP47       | Patch       | IPEX      | 1.4        |                                                                                            |
|      | 3       |            |            |             |           | 1.8        |                                                                                            |
|      | 4       |            |            |             |           | 1.4        |                                                                                            |
|      | 4       |            |            |             |           | 1.4        |                                                                                            |
| 20   | 1       | Juniper    | AP47       | PIFA        | IPEX      | 2.9        | GPS<br>(Radio 7)                                                                           |

Note 1:

| Ant. | Antenna Gain (dBi)           |          |                               |          |                              |
|------|------------------------------|----------|-------------------------------|----------|------------------------------|
|      | WLAN 2.4GHz (Radio 3)        |          | WLAN 5GHz UNII 1-2A (Radio 3) |          | WLAN 6GHz UNII 7-8 (Radio 3) |
|      | 2.45GHz                      | 5.2GHz   | 5.3GHz                        | 6.695GHz | 6.995GHz                     |
| 1    | 3.06                         | 5.64     | 5.4                           | 4.47     | 4.4                          |
| 2    | 1.61                         | 4.71     | 5.23                          | 3.8      | 4                            |
| 3    | 1.81                         | 4.76     | 4.97                          | 4.4      | 4.47                         |
| 4    | 2.37                         | 5.57     | 5.93                          | 4.73     | 4.85                         |
| Ant. | WLAN 5GHz UNII 1-4 (Radio 2) |          |                               |          |                              |
|      | 5.2GHz                       | 5.3GHz   | 5.6GHz                        | 5.785GHz | 5.885GHz                     |
| 5    | 2.46                         | 2.37     | 3.82                          | 3.81     | 4.17                         |
| 6    | 2.43                         | 2.15     | 2.98                          | 3.49     | 3.81                         |
| 7    | 2.56                         | 2.33     | 2.65                          | 3.39     | 3.44                         |
| 8    | 3.28                         | 2.61     | 4.3                           | 4        | 3.92                         |
| Ant. | WLAN 6GHz UNII 5-8 (Radio 1) |          |                               |          |                              |
|      | 6.175GHz                     | 6.475GHz | 6.695GHz                      | 6.995GHz |                              |
| 9    | 3.76                         | 2.79     | 3.31                          | 4.3      |                              |
| 10   | 3.16                         | 2.9      | 2.57                          | 3.68     |                              |
| 11   | 4.33                         | 3.72     | 3.13                          | 4.23     |                              |
| 12   | 4.63                         | 3.97     | 3.57                          | 5.09     |                              |



| Ant. | WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio)) |        |        |        |          |                          |          |          |          |          |
|------|------------------------------------------------------------------------|--------|--------|--------|----------|--------------------------|----------|----------|----------|----------|
|      | 2.45GHz                                                                | 5.2GHz | 5.3GHz | 5.6GHz | 5.785GHz | 5.885GHz                 | 6.175GHz | 6.475GHz | 6.695GHz | 6.995GHz |
| 13   | 2.29                                                                   | 3.12   | 3.98   | 4.37   | 4.51     | 5.79                     | 4.9      | 3.84     | 4.73     | 4.62     |
| 14   | 2.28                                                                   | 4.62   | 3.66   | 5.76   | 4.67     | 5.83                     | 4.73     | 4.72     | 3.36     | 3.72     |
| Ant. | Bluetooth (Radio 5)                                                    |        |        |        |          |                          |          |          |          |          |
|      | Bluetooth array (Beam 1-Beam 8/Omni)                                   |        |        |        |          | Bluetooth array (Beam 9) |          |          |          |          |
| 15   | 4.2                                                                    |        |        |        |          | -                        |          |          |          |          |
| 16   | -                                                                      |        |        |        |          | 3                        |          |          |          |          |
| Ant. | 802.15.4(Zigbee, Thread) (Radio 5)                                     |        |        |        |          |                          |          |          |          |          |
|      | 3.9                                                                    |        |        |        |          |                          |          |          |          |          |
| 17   |                                                                        |        |        |        |          |                          |          |          |          |          |

| Item | Directional Gain (dBi)                                                 |        |                               |        |          |                              |          |          |          |          |
|------|------------------------------------------------------------------------|--------|-------------------------------|--------|----------|------------------------------|----------|----------|----------|----------|
|      | WLAN 2.4GHz (Radio 3)                                                  |        | WLAN 5GHz UNII 1-2A (Radio 3) |        |          | WLAN 6GHz UNII 7-8 (Radio 3) |          |          |          |          |
|      | 2.45GHz                                                                |        | 5.2GHz                        | 5.3GHz |          | 6.695GHz                     |          | 6.995GHz |          |          |
| 4T1S | 5.27                                                                   |        | 7.04                          | 7.06   |          | 8.84                         |          | 9.09     |          |          |
| 4T2S | 3.06                                                                   |        | 5.64                          | 5.93   |          | 5.84                         |          | 6.09     |          |          |
| 4T4S | 3.06                                                                   |        | 5.64                          | 5.93   |          | 4.73                         |          | 4.85     |          |          |
| Item | WLAN 5GHz UNII 1-4 (Radio 2)                                           |        |                               |        |          |                              |          |          |          |          |
|      | 5.2GHz                                                                 | 5.3GHz |                               | 5.6GHz |          | 5.785GHz                     |          | 5.885GHz |          |          |
| 4T1S | 7.11                                                                   | 6.52   |                               | 7.65   |          | 7.52                         |          | 7.28     |          |          |
| 4T2S | 4.11                                                                   | 3.52   |                               | 4.65   |          | 4.52                         |          | 4.28     |          |          |
| 4T4S | 3.28                                                                   | 2.61   |                               | 4.3    |          | 4                            |          | 4.17     |          |          |
| Item | WLAN 6GHz UNII 5-8 (Radio 1)                                           |        |                               |        |          |                              |          |          |          |          |
|      | 6.175GHz                                                               |        | 6.475GHz                      |        |          | 6.695GHz                     |          | 6.995GHz |          |          |
| 4T1S | 7.65                                                                   |        | 7.01                          |        |          | 6.42                         |          | 7.54     |          |          |
| 4T2S | 4.65                                                                   |        | 4.01                          |        |          | 3.57                         |          | 5.09     |          |          |
| 4T4S | 4.63                                                                   |        | 3.97                          |        |          | 3.57                         |          | 5.09     |          |          |
| Item | WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio)) |        |                               |        |          |                              |          |          |          |          |
|      | 2.45GHz                                                                | 5.2GHz | 5.3GHz                        | 5.6GHz | 5.785GHz | 5.885GHz                     | 6.175GHz | 6.475GHz | 6.695GHz | 6.995GHz |
| 2T1S | 4.59                                                                   | 5.03   | 5.57                          | 6.24   | 5.74     | 6.86                         | 5.9      | 5.09     | 4.73     | 4.62     |
| 2T2S | 2.29                                                                   | 4.62   | 3.98                          | 5.76   | 4.67     | 5.83                         | 4.9      | 4.72     | 4.73     | 4.62     |

Note 2: The above information (excepting Ant. 1-14 antenna gain and directional gain) was declared by manufacturer.

Note 3: The EUT has twenty antennas.

The ant.15 is BLE array (Beam 1-Beam 8/Omni).

The ant.16 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.

Note 4: Radio 1-4: Maximum Directional Gain following KDB662911 D03.

**For Radio 1:**

**For 6GHz (UNII 5 or UNII 6-8) IEEE 802.11ax/be mode (4TX/4RX)**

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

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

**For Radio 2:**

**For 5GHz (UNII 1-2A or UNII 2C-4) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)**

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

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

**For Radio 3:**

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (4TX/4RX)**

**For 5GHz (UNII 1-2A) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)**

**For 6GHz (UNII 7-8) IEEE 802.11ax/be mode (4TX/4RX)**

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

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

**For Radio 4(Scanning radio):**

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)**

**For 5GHz (UNII 1-4) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)**

**For 6GHz (UNII 5-8) IEEE 802.11ax/be mode (2TX/2RX)**

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

Port 1 and Port 2 could transmit/receive simultaneously.



**For Radio 5:**

**For Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)**

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

**For Radio 6:**

**For UWB mode (2TX/4RX):**

For 2TX

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

Port 1 and Port 2 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 Radio 7:**

**For GPS (1RX)**

Only Port 1 can be used as receiving antenna.


**For EUT 2:**

| Ant. | RF Port | Brand Name | Model Name | Ant. Type | Connector | Gain (dBi) | Modes of Operation                                                                         |
|------|---------|------------|------------|-----------|-----------|------------|--------------------------------------------------------------------------------------------|
| 1    | 2       | Juniper    | AP47D      | Dipole    | IPEX      | Note 1     | WLAN 2.4GHz,<br>WLAN 5GHz UNII 1-2A,<br>WLAN 6GHz UNII 7-8<br>(Radio 3)                    |
| 2    | 1       | Juniper    | AP47D      | Dipole    | IPEX      |            |                                                                                            |
| 3    | 3       | Juniper    | AP47D      | Dipole    | IPEX      |            |                                                                                            |
| 4    | 4       | Juniper    | AP47D      | Dipole    | IPEX      |            | WLAN<br>5GHz UNII 1-2A or<br>UNII 2C-4<br>(Radio 2)                                        |
| 5    | 2       | Juniper    | AP47D      | Patch     | IPEX      |            |                                                                                            |
| 6    | 1       | Juniper    | AP47D      | Patch     | IPEX      |            |                                                                                            |
| 7    | 3       | Juniper    | AP47D      | Patch     | IPEX      |            | WLAN<br>6GHz UNII 5 or UNII 6-8<br>(Radio 1)                                               |
| 8    | 4       | Juniper    | AP47D      | Patch     | IPEX      |            |                                                                                            |
| 9    | 2       | Juniper    | AP47D      | Patch     | IPEX      |            |                                                                                            |
| 10   | 1       | Juniper    | AP47D      | Patch     | IPEX      |            | WLAN 2.4GHz,<br>WLAN 5GHz UNII 1-4,<br>WLAN 6GHz UNII 5-8<br>(Radio 4)<br>(Scanning radio) |
| 11   | 3       | Juniper    | AP47D      | Patch     | IPEX      |            |                                                                                            |
| 12   | 4       | Juniper    | AP47D      | Patch     | IPEX      |            |                                                                                            |
| 13   | 2       | Juniper    | AP47D      | Dipole    | IPEX      | Note 1     | Bluetooth<br>(Radio 5)                                                                     |
| 14   | 1       | Juniper    | AP47D      | Dipole    | IPEX      |            |                                                                                            |
| 15   | 1       | Juniper    | AP47D      | PIFA      | I-PEX     |            |                                                                                            |
| 16   | 1       | Juniper    | AP47D      | Slot      | I-PEX     |            | 802.15.4(Zigbee, Thread)<br>(Radio 5)                                                      |
| 17   | 1       | Juniper    | AP47D      | Dipole    | I-PEX     |            |                                                                                            |
| 18   | 1       | Juniper    | AP47D      | Patch     | IPEX      | 6.7        | UWB<br>(Radio 6)                                                                           |
| 19   | 2       | Juniper    | AP47D      | Patch     | IPEX      | 3.4        |                                                                                            |
|      | 3       |            |            |           |           | 0.7        |                                                                                            |
|      | 4       |            |            |           |           | 3.1        |                                                                                            |
| 20   | 1       | Juniper    | AP47D      | PIFA      | IPEX      | 4.6        | GPS<br>(Radio 7)                                                                           |

**Note 1:**

| Ant. | Antenna Gain (dBi)           |          |                               |          |                              |
|------|------------------------------|----------|-------------------------------|----------|------------------------------|
|      | WLAN 2.4GHz (Radio 3)        |          | WLAN 5GHz UNII 1-2A (Radio 3) |          | WLAN 6GHz UNII 7-8 (Radio 3) |
|      | 2.45GHz                      | 5.2GHz   | 5.3GHz                        | 6.695GHz | 6.995GHz                     |
| 1    | 5.34                         | 3.6      | 3.6                           | 6.21     | 7.65                         |
| 2    | 5.33                         | 4.58     | 4.48                          | 6.68     | 8.1                          |
| 3    | 5.53                         | 4.05     | 4.27                          | 7.32     | 7.93                         |
| 4    | 5.16                         | 5.23     | 4.51                          | 7.75     | 8.36                         |
| Ant. | WLAN 5GHz UNII 1-4 (Radio 2) |          |                               |          |                              |
|      | 5.2GHz                       | 5.3GHz   | 5.6GHz                        | 5.785GHz | 5.885GHz                     |
|      | 5.2GHz                       | 5.3GHz   | 5.6GHz                        | 5.785GHz | 5.885GHz                     |
| 5    | 5.51                         | 5.45     | 6.54                          | 6.38     | 6.73                         |
| 6    | 5.14                         | 5.42     | 6.3                           | 6.55     | 6.66                         |
| 7    | 5.54                         | 5.88     | 6.87                          | 6.34     | 5.62                         |
| 8    | 5.37                         | 5.89     | 7.05                          | 6.65     | 5.94                         |
| Ant. | WLAN 6GHz UNII 5-8 (Radio 1) |          |                               |          |                              |
|      | 6.175GHz                     | 6.475GHz | 6.695GHz                      | 6.995GHz |                              |
|      | 6.175GHz                     | 6.475GHz | 6.695GHz                      | 6.995GHz |                              |
| 9    | 7.86                         | 7.99     | 6.72                          | 7.15     |                              |
| 10   | 7.59                         | 7.48     | 6.74                          | 8.29     |                              |
| 11   | 5.81                         | 6.3      | 5.48                          | 6.44     |                              |
| 12   | 6.75                         | 7.28     | 7.04                          | 7.61     |                              |



| Ant. | WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio)) |        |        |        |          |                          |          |          |          |          |
|------|------------------------------------------------------------------------|--------|--------|--------|----------|--------------------------|----------|----------|----------|----------|
|      | 2.45GHz                                                                | 5.2GHz | 5.3GHz | 5.6GHz | 5.785GHz | 5.885GHz                 | 6.175GHz | 6.475GHz | 6.695GHz | 6.995GHz |
| 13   | 4.18                                                                   | 4.62   | 4.53   | 5.24   | 4.35     | 4.43                     | 5.87     | 5.74     | 5.31     | 7.78     |
| 14   | 4.07                                                                   | 5.08   | 4.76   | 5.6    | 6.15     | 6.29                     | 7.08     | 6.68     | 6.97     | 8.17     |
| Ant. | Bluetooth (Radio 5)                                                    |        |        |        |          |                          |          |          |          |          |
|      | Bluetooth array (Beam 1-Beam 8/Omni)                                   |        |        |        |          | Bluetooth array (Beam 9) |          |          |          |          |
| 15   | 4.3                                                                    |        |        |        |          | -                        |          |          |          |          |
| 16   | -                                                                      |        |        |        |          | 3.7                      |          |          |          |          |
| Ant. | 802.15.4(Zigbee, Thread) (Radio 5)                                     |        |        |        |          |                          |          |          |          |          |
|      | 6.6                                                                    |        |        |        |          |                          |          |          |          |          |
| 17   |                                                                        |        |        |        |          |                          |          |          |          |          |

| Item | Directional Gain (dBi)                                                 |        |                               |        |          |                              |          |          |          |          |
|------|------------------------------------------------------------------------|--------|-------------------------------|--------|----------|------------------------------|----------|----------|----------|----------|
|      | WLAN 2.4GHz (Radio 3)                                                  |        | WLAN 5GHz UNII 1-2A (Radio 3) |        |          | WLAN 6GHz UNII 7-8 (Radio 3) |          |          |          |          |
|      | 2.45GHz                                                                |        | 5.2GHz                        | 5.3GHz |          | 6.695GHz                     |          | 6.995GHz |          |          |
| 4T1S | 8.34                                                                   |        | 7.3                           |        | 7.56     | 10.62                        |          | 10.8     |          |          |
| 4T2S | 5.53                                                                   |        | 5.23                          |        | 4.56     | 7.75                         |          | 8.36     |          |          |
| 4T4S | 5.53                                                                   |        | 5.23                          |        | 4.51     | 7.75                         |          | 8.36     |          |          |
| Item | WLAN 5GHz UNII 1-4 (Radio 2)                                           |        |                               |        |          |                              |          |          |          |          |
|      | 5.2GHz                                                                 |        | 5.3GHz                        |        | 5.6GHz   | 5.785GHz                     |          | 5.885GHz |          |          |
|      | 9                                                                      |        | 8.75                          |        | 9.58     | 9.57                         |          | 9.06     |          |          |
| 4T1S | 9                                                                      |        | 8.75                          |        | 9.58     | 9.57                         |          | 9.06     |          |          |
| 4T2S | 6                                                                      |        | 5.89                          |        | 7.05     | 6.65                         |          | 6.73     |          |          |
| 4T4S | 5.54                                                                   |        | 5.89                          |        | 7.05     | 6.65                         |          | 6.73     |          |          |
| Item | WLAN 6GHz UNII 5-8 (Radio 1)                                           |        |                               |        |          |                              |          |          |          |          |
|      | 6.175GHz                                                               |        | 6.475GHz                      |        | 6.695GHz |                              | 6.995GHz |          |          |          |
|      | 10.14                                                                  |        | 10.42                         |        | 9.72     |                              | 10.76    |          |          |          |
| 4T1S | 10.14                                                                  |        | 10.42                         |        | 9.72     |                              | 10.76    |          |          |          |
| 4T2S | 7.86                                                                   |        | 7.99                          |        | 7.04     |                              | 8.29     |          |          |          |
| 4T4S | 7.86                                                                   |        | 7.99                          |        | 7.04     |                              | 8.29     |          |          |          |
| Item | WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio)) |        |                               |        |          |                              |          |          |          |          |
|      | 2.45GHz                                                                | 5.2GHz | 5.3GHz                        | 5.6GHz | 5.785GHz | 5.885GHz                     | 6.175GHz | 6.475GHz | 6.695GHz | 6.995GHz |
| 2T1S | 6.71                                                                   | 7.72   | 7.56                          | 8.11   | 8.31     | 8.35                         | 9.44     | 9.16     | 9.02     | 10.8     |
| 2T2S | 4.18                                                                   | 5.08   | 4.76                          | 5.6    | 6.15     | 6.29                         | 7.08     | 6.68     | 6.97     | 8.17     |

Note 2: The above information (excepting Ant. 1-14 antenna gain and directional gain) was declared by manufacturer.

Note 3: The EUT has twenty antennas.

The ant.15 is BLE array (Beam 1-Beam 8/Omni).

The ant.16 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.

Note 4: Radio 1-4: Maximum Directional Gain following KDB662911 D03.

**For Radio 1:**

**For 6GHz (UNII 5 or UNII 6-8) IEEE 802.11ax/be mode (4TX/4RX)**

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

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

**For Radio 2:**

**For 5GHz (UNII 1-2A or UNII 2C-4) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)**

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

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

**For Radio 3:**

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (4TX/4RX)**

**For 5GHz (UNII 1-2A) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)**

**For 6GHz (UNII 7-8) IEEE 802.11ax/be mode (4TX/4RX)**

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

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

**For Radio 4(Scanning radio):**

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)**

**For 5GHz (UNII 1-4) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)**

**For 6GHz (UNII 5-8) IEEE 802.11ax/be mode (2TX/2RX)**

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



Port 1 and Port 2 could transmit/receive simultaneously.

**For Radio 5:**

**For Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)**

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

**For Radio 6:**

**For UWB mode (2TX/4RX):**

For 2TX

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

Port 1 and Port 2 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 Radio 7:**

**For GPS (1RX)**

Only Port 1 can be used as receiving antenna.


**For EUT 3:**

| Ant. | RF Port  | Brand Name                         | Model Name                 | Ant. Type | Connector | Gain (dBi) | Modes of Operation                                                              |
|------|----------|------------------------------------|----------------------------|-----------|-----------|------------|---------------------------------------------------------------------------------|
| 1    | 1        | AccelTex                           | ATS-OP-2456-81010-14MPC-36 | Patch     | 6MPC-WHT  | Note 1     | WLAN 2.4GHz, WLAN 5GHz UNII 1-2A, WLAN 6GHz UNII 7 (Radio 3)                    |
|      | 2        |                                    |                            |           |           |            |                                                                                 |
|      | 3        |                                    |                            |           |           |            |                                                                                 |
|      | 4        |                                    |                            |           |           |            |                                                                                 |
|      | 1        |                                    |                            |           | 4MPC      |            | WLAN 5GHz UNII 1-2A or UNII 2C-3 (Radio 2)                                      |
|      | 2        |                                    |                            |           |           |            |                                                                                 |
|      | 3        |                                    |                            |           |           |            |                                                                                 |
|      | 4        |                                    |                            |           |           |            |                                                                                 |
|      | 1        |                                    |                            |           | 6MPC-BLK  |            | WLAN 6GHz UNII 5 or UNII 7 (Radio 1)                                            |
|      | 2        |                                    |                            |           |           |            |                                                                                 |
|      | 3        |                                    |                            |           |           |            |                                                                                 |
|      | 4        |                                    |                            |           |           |            |                                                                                 |
|      | 1        |                                    |                            |           | 6MPC-BLK  |            | WLAN 2.4GHz, WLAN 5GHz UNII 1-3, WLAN 6GHz UNII 5, 7 (Radio 4) (Scanning radio) |
|      | 2        |                                    |                            |           |           |            |                                                                                 |
| 3    |          |                                    |                            |           |           |            |                                                                                 |
| 4    |          |                                    |                            |           |           |            |                                                                                 |
| 2    | 6MPC-BLK | 802.15.4(Zigbee, Thread) (Radio 5) |                            |           |           |            |                                                                                 |
| 3    |          |                                    |                            |           |           |            |                                                                                 |
| 4    |          |                                    |                            |           |           |            |                                                                                 |
| 1    |          |                                    |                            |           |           |            |                                                                                 |
| 2    | 1        | Juniper                            | AP47E                      | PIFA      | I-PEX     | 4.7        | UWB (Radio 6)                                                                   |
| 3    | 1        | Juniper                            | AP47E                      | Slot      | I-PEX     |            |                                                                                 |
| 4    | 1        | Juniper                            | AP47E                      | PIFA      | I-PEX     |            |                                                                                 |
| 5    | 1        | Juniper                            | AP47E                      | PIFA      | IPEX      |            |                                                                                 |
| 6    | 1        | Juniper                            | AP47E                      | Patch     | IPEX      | 4.7        | GPS (Radio 7)                                                                   |
|      | 2        |                                    |                            |           |           | 1.4        |                                                                                 |
|      | 3        |                                    |                            |           |           | 2.1        |                                                                                 |
|      | 4        |                                    |                            |           |           | 1.7        |                                                                                 |
| 7    | 1        | Juniper                            | AP47E                      | PIFA      | IPEX      | 3.3        |                                                                                 |

**Note 1:**

| Ant. | RF Port | Antenna Gain (dBi)           |                               |                            |
|------|---------|------------------------------|-------------------------------|----------------------------|
|      |         | WLAN 2.4GHz (Radio 3)        | WLAN 5GHz UNII 1-2A (Radio 3) | WLAN 6GHz UNII 7 (Radio 3) |
| 1    | 1       | 8.46                         | 10.01                         | 10                         |
|      | 2       | 8.46                         | 10.01                         | 10                         |
|      | 3       | 8.46                         | 10.01                         | 10                         |
|      | 4       | 8.46                         | 10.01                         | 10                         |
| Ant. | RF Port | WLAN 5GHz UNII 1-3 (Radio 2) |                               |                            |
|      |         |                              |                               |                            |
| 1    | 1       | 9.93                         |                               |                            |
|      | 2       | 9.93                         |                               |                            |
|      | 3       | 9.93                         |                               |                            |
|      | 4       | 9.93                         |                               |                            |

| Ant. | RF Port                              | WLAN 6GHz UNII 5 or UNII 7 (Radio 1)                                    |                          |           |
|------|--------------------------------------|-------------------------------------------------------------------------|--------------------------|-----------|
| 1    | 1                                    | 10.57                                                                   |                          |           |
|      | 2                                    | 10.57                                                                   |                          |           |
|      | 3                                    | 10.57                                                                   |                          |           |
|      | 4                                    | 10.57                                                                   |                          |           |
|      | RF Port                              | WLAN 2.4GHz/5GHz UNII 1-3/WLAN 6GHz UNII 5, 7 (Radio 4(Scanning radio)) |                          |           |
|      |                                      | WLAN 2.4GHz                                                             | WLAN 5GHz                | WLAN 6GHz |
|      | 1                                    | 7.8                                                                     | 9.5                      | 10        |
|      | 2                                    | 7.8                                                                     | 9.5                      | 10        |
| Ant. | Bluetooth (Radio 5)                  |                                                                         |                          |           |
|      | Bluetooth array (Beam 1-Beam 8/Omni) |                                                                         | Bluetooth array (Beam 9) |           |
| 2    | 4.0                                  |                                                                         | -                        |           |
| 3    | -                                    |                                                                         | 2.8                      |           |
| Ant. | 802.15.4(Zigbee, Thread) (Radio 5)   |                                                                         |                          |           |
| 4    | 4.1                                  |                                                                         |                          |           |

Note 2: Directional gain information for Radio 1-3

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

Ex.

Directional Gain (NSS1) formula :

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

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

$$gj,k = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

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

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

Where ;

Radio 1:

6G UNII-5 G1 = 10.57 dBi; G2 = 10.57 dBi; G3 = 10.57 dBi; G4 = 10.57 dBi

6G UNII-7 G1 = 10.57 dBi; G2 = 10.57 dBi; G3 = 10.57 dBi; G4 = 10.57 dBi

6G UNII-5 DG = 13.58 dBi

6G UNII-7 DG = 13.58 dBi

Radio 2:

5G UNII-1 G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-2A G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-2C G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-3 G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-1 DG = 12.94 dBi

5G UNII-2A DG = 12.94 dBi

5G UNII-2C DG = 12.94 dBi

5G UNII-3 DG = 12.94 dBi

Radio 3:

2.4G G1 = 8.46 dBi; G2 = 8.46 dBi; G3 = 8.46 dBi; G4 = 8.46 dBi

5G UNII-1 G1 = 10.01 dBi; G2 = 10.01 dBi; G3 = 10.01 dBi; G4 = 10.01 dBi

5G UNII-2A G1 = 10.01 dBi; G2 = 10.01 dBi; G3 = 10.01 dBi; G4 = 10.01 dBi

6G UNII-7 G1 = 10 dBi; G2 = 10 dBi; G3 = 10 dBi; G4 = 10 dBi

2.4G DG = 11.47 dBi

5G UNII-1 DG = 13.02 dBi

5G UNII-2A DG = 13.02 dBi

6G UNII-7 DG = 13.01 dBi



Note 3: The above information was declared by manufacturer.

Note 4: The EUT has seven antennas.

The ant. 2 is BLE array (Beam 1-Beam 8/Omni).

The ant. 3 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.

Note 5: The ant. 1 is the cross-polarized antenna.

The ant. 1 (6MPC-WHT connector and 4MPC connector): Vertical\*2, Horizontal\*2; the array gain only add  $10\log(2)$ .

The ant. 1 (6MPC-BLK connector) for radio 1: Vertical\*2, Horizontal\*2; the array gain only add  $10\log(2)$ .

The ant. 1 (6MPC-BLK connector) for radio 4: Vertical\*1, Horizontal\*1; it doesn't need to evaluate array gain.

Note 6: Radio 1-3: Maximum Directional Gain following KDB662911 D01.

**For Radio 1:**

**For 6GHz (UNII 5 or UNII 7) IEEE 802.11ax/be mode (4TX/4RX)**

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

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

**For Radio 2:**

**For 5GHz (UNII 1-2A or UNII 2C-3) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)**

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

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

**For Radio 3:**

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (4TX/4RX)**

**For 5GHz (UNII 1-2A) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)**

**For 6GHz (UNII 7) IEEE 802.11ax/be mode (4TX/4RX)**

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

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

**For Radio 4(Scanning radio):**

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)**

**For 5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)**

**For 6GHz (UNII 5, 7) IEEE 802.11ax/be mode (2TX/2RX)**

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

Port 1 and Port 2 could transmit/receive simultaneously.

**For Radio 5:**

**For Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)**

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

**For Radio 6:**

**For UWB mode (2TX/4RX):**

For 2TX

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

Port 1 and Port 2 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 Radio 7:**

**For GPS (1RX)**

Only Port 1 can be used as receiving antenna.

**1.1.4 Mode Test Duty Cycle**

For Full\_RU:

For EUT 1:

For Radio 2:

| Mode                          | DC    | DCF (dB) | T (s)          | VBW (Hz) 1/T   |
|-------------------------------|-------|----------|----------------|----------------|
| 802.11a_Nss 1,(6D)            | 0.992 | 0.03     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT20_Nss 1,(M0)     | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT40_Nss 1,(M0)     | 0.99  | 0.04     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT80_Nss 1,(M0)     | 0.986 | 0.06     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT160_Nss 1,(M0)    | 0.986 | 0.06     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT20-BF_Nss 1,(M0)  | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT40-BF_Nss 1,(M0)  | 0.99  | 0.04     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT80-BF_Nss 1,(M0)  | 0.986 | 0.06     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT160-BF_Nss 1,(M0) | 0.986 | 0.06     | n/a (DC>=0.98) | n/a (DC>=0.98) |

For Scanning Radio 4:

| Mode                       | DC    | DCF (dB) | T (s)    | VBW (Hz) 1/T |
|----------------------------|-------|----------|----------|--------------|
| 802.11a_Nss 1,(6D)         | 0.539 | 2.68     | 128.281u | 10k          |
| 802.11be EHT20_Nss 1,(M0)  | 0.907 | 0.42     | 321.875u | 10k          |
| 802.11be EHT40_Nss 1,(M0)  | 0.902 | 0.45     | 304.219u | 10k          |
| 802.11be EHT80_Nss 1,(M0)  | 0.897 | 0.47     | 294.688u | 10k          |
| 802.11be EHT160_Nss 1,(M0) | 0.903 | 0.44     | 290.625u | 10k          |

For EUT 2:

For Radio 2:

| Mode                          | DC    | DCF (dB) | T (s)          | VBW (Hz) 1/T   |
|-------------------------------|-------|----------|----------------|----------------|
| 802.11a_Nss 1,(6D)            | 0.99  | 0.04     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT20_Nss 1,(M0)     | 0.988 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT40_Nss 1,(M0)     | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT80_Nss 1,(M0)     | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT160_Nss 1,(M0)    | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT20-BF_Nss 1,(M0)  | 0.988 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT40-BF_Nss 1,(M0)  | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT80-BF_Nss 1,(M0)  | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11be EHT160-BF_Nss 1,(M0) | 0.989 | 0.05     | n/a (DC>=0.98) | n/a (DC>=0.98) |

For Scanning Radio 4:

| Mode                       | DC    | DCF (dB) | T (s)    | VBW (Hz) 1/T |
|----------------------------|-------|----------|----------|--------------|
| 802.11a_Nss 1,(6D)         | 0.534 | 2.72     | 128.281u | 10k          |
| 802.11be EHT20_Nss 1,(M0)  | 0.908 | 0.42     | 321.875u | 10k          |
| 802.11be EHT40_Nss 1,(M0)  | 0.907 | 0.42     | 304.219u | 10k          |
| 802.11be EHT80_Nss 1,(M0)  | 0.903 | 0.44     | 294.688u | 10k          |
| 802.11be EHT160_Nss 1,(M0) | 0.897 | 0.47     | 290.625u | 10k          |

**For Multi\_RU/Puncturing:****For EUT 1:****For Radio 2:**

| Mode                                              | DC    | DCF (dB) | T (s)    | VBW (Hz)_1/T |
|---------------------------------------------------|-------|----------|----------|--------------|
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242_4TX        | 0.967 | 0.15     | 999.063u | 3k           |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242_4TX | 0.967 | 0.15     | 999.063u | 3k           |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484_4TX       | 0.967 | 0.15     | 999.063u | 3k           |

**For EUT 2:****For Radio 2:**

| Mode                                                | DC    | DCF (dB) | T (s)    | VBW (Hz)_1/T |
|-----------------------------------------------------|-------|----------|----------|--------------|
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3        | 0.966 | 0.15     | 999.063u | 3k           |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 3 | 0.97  | 0.13     | 998.75u  | 3k           |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3       | 0.967 | 0.15     | 998.75u  | 3k           |

Note:

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

### 1.1.5 EUT Operational Condition

| EUT Power Type              | From PoE                                                                                                                                                                    |                                          |                                     |                        |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------|------------------------|
| Beamforming Function        | <input checked="" type="checkbox"/>                                                                                                                                         | With beamforming                         | <input type="checkbox"/>            | Without beamforming    |
|                             | The product has beamforming function for Radio 1 (ax/be in 6GHz), Radio 2 (n/ac/ax/be in 5GHz), and Radio 3 (n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz, and ax/be in 6GHz). |                                          |                                     |                        |
| Function                    | <input checked="" type="checkbox"/>                                                                                                                                         | Point-to-multipoint                      | <input type="checkbox"/>            | Point-to-point         |
| Device Type                 | <input checked="" type="checkbox"/>                                                                                                                                         | Indoor Access Point                      | <input type="checkbox"/>            | Subordinate            |
|                             | <input type="checkbox"/>                                                                                                                                                    | Indoor Client                            |                                     |                        |
|                             | <input type="checkbox"/>                                                                                                                                                    | Fixed Access Point                       | <input type="checkbox"/>            | Fixed Client           |
| Channel Puncturing Function | <input checked="" type="checkbox"/>                                                                                                                                         | Supported Static Puncturing for Radio 2  |                                     |                        |
|                             | <input type="checkbox"/>                                                                                                                                                    | Supported Dynamic Puncturing             |                                     |                        |
|                             | <input checked="" type="checkbox"/>                                                                                                                                         | Unsupported for Scanning Radio 4         |                                     |                        |
| Support RU                  | <input checked="" type="checkbox"/>                                                                                                                                         | Full RU for Radio 2 and Scanning Radio 4 | <input checked="" type="checkbox"/> | Partial RU for Radio 2 |
| Test Software Version       | accessMtool 3.0.0.8                                                                                                                                                         |                                          |                                     |                        |

Note: The above information was declared by manufacturer.

### 1.1.6 Table for Multiple Listing

| EUT | Model Name | WLAN 5GHz UNII 4 | WLAN 6GHz   | Wi-Fi antenna    | UWB antenna (PDoA) | UWB antenna (TWR)    | 802.15.4 (Zigbee, Thread) antenna | Bluetooth antenna | GPS antenna          | Description                                                                                    |
|-----|------------|------------------|-------------|------------------|--------------------|----------------------|-----------------------------------|-------------------|----------------------|------------------------------------------------------------------------------------------------|
| 1   | AP47       | Support          | Support     | Internal Antenna | The same           | AP47/ AP47E the same | AP47/ AP47E the same              | The same          | AP47/ AP47E the same | -                                                                                              |
| 2   | AP47D      | Support          | Support     | Internal Antenna | The same           | Not the same         | Not the same                      | The same          | Not the same         | The difference with AP47 is only in Wi-Fi, UWB(TWR), 802.15.4(Zigbee, Thread) and GPS antenna. |
| 3   | AP47E      | Non Support      | Non Support | External Antenna | The same           | AP47/ AP47E the same | AP47/ AP47E the same              | The same          | AP47/ AP47E the same | -                                                                                              |

Note1: All models are identical to each other in all aspects except for the listing table.

Note2: The above information was declared by manufacturer.

### 1.1.7 Table for Radio Function

For EUT 1 and EUT 2:

| Radio \ Function      | WLAN 2.4GHz | WLAN 5GHz                    | WLAN 6GHz                 | Bluetooth | 802.15.4 (Zigbee, Thread) | UWB | GPS |
|-----------------------|-------------|------------------------------|---------------------------|-----------|---------------------------|-----|-----|
| 1                     | -           | -                            | V<br>(UNII 5 or UNII 6-8) | -         | -                         | -   | -   |
| 2                     | -           | V<br>(UNII 1-2A or UNII2C-4) | -                         | -         | -                         | -   | -   |
| 3                     | V           | V<br>(UNII 1-2A)             | V<br>(UNII 7-8)           | -         | -                         | -   | -   |
| 4<br>(Scanning radio) | V           | V<br>(UNII 1-4)              | V<br>(UNII 5-8)           | -         | -                         | -   | -   |
| 5                     | -           | -                            | -                         | V         | V                         | -   | -   |
| 6                     | -           | -                            | -                         | -         | -                         | V   | -   |
| 7                     | -           | -                            | -                         | -         | -                         | -   | V   |

Note1: The above information was declared by manufacturer.

Note2: For WLAN 2.4GHz: The Radio 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 2, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 1, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

**For EUT 3:**

| Radio                 | Function | WLAN<br>2.4GHz | WLAN<br>5GHz                    | WLAN<br>6GHz | Bluetooth | 802.15.4<br>(Zigbee, Thread) | UWB | GPS |
|-----------------------|----------|----------------|---------------------------------|--------------|-----------|------------------------------|-----|-----|
| 1                     |          | -              | -                               | -            | -         | -                            | -   | -   |
| 2                     |          | -              | V<br>(UNII 1-2A or<br>UNII2C-3) | -            | -         | -                            | -   | -   |
| 3                     |          | V              | V<br>(UNII 1-2A)                | -            | -         | -                            | -   | -   |
| 4<br>(Scanning radio) |          | V              | V<br>(UNII 1-3)                 | -            | -         | -                            | -   | -   |
| 5                     |          | -              | -                               | -            | V         | V                            | -   | -   |
| 6                     |          | -              | -                               | -            | -         | -                            | V   | -   |
| 7                     |          | -              | -                               | -            | -         | -                            | -   | V   |

Note1: The above information was declared by manufacturer.

Note2: The Radio 1 is not enabled.

Note3: For WLAN 2.4GHz: The Radio 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 2, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.


**1.1.8 Table for EUT Operation Function**

| Mode | Operation Function                                                                              |
|------|-------------------------------------------------------------------------------------------------|
| 1    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Bluetooth+R6:UWB                 |
| 2    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB           |
| 3    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB           |
| 4    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth+R6:UWB                  |
| 5    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB           |
| 6    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB           |
| 7    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                     |
| 8    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB              |
| 9    | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB              |
| 10   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                     |
| 11   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB              |
| 12   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB              |
| 13   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth+R6:UWB              |
| 14   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB         |
| 15   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB         |
| 16   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth+R6:UWB              |
| 17   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB         |
| 18   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB         |
| 19   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                  |
| 20   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB            |
| 21   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB            |
| 22   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                  |
| 23   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB            |
| 24   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB            |
| 25   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Bluetooth+R6:UWB         |
| 26   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB   |
| 27   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB   |
| 28   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Zigbee+R6:UWB            |
| 29   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB      |
| 30   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB      |
| 31   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Bluetooth+R6:UWB       |
| 32   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB |
| 33   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB |
| 34   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Zigbee+R6:UWB          |
| 35   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB    |
| 36   | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB    |
| 37   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Bluetooth+R6:UWB          |
| 38   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB    |
| 39   | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB    |



|    |                                                                                                 |
|----|-------------------------------------------------------------------------------------------------|
| 40 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Zigbee+R6:UWB             |
| 41 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB       |
| 42 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB       |
| 43 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Bluetooth+R6:UWB          |
| 44 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB    |
| 45 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB    |
| 46 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Zigbee+R6:UWB             |
| 47 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB       |
| 48 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB       |
| 49 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Bluetooth+R6:UWB                 |
| 50 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB           |
| 51 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB           |
| 52 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth+R6:UWB                  |
| 53 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB           |
| 54 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB           |
| 55 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                     |
| 56 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB              |
| 57 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB              |
| 58 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                     |
| 59 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB              |
| 60 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB              |
| 61 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth+R6:UWB              |
| 62 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB         |
| 63 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB         |
| 64 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth+R6:UWB              |
| 65 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB         |
| 66 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB         |
| 67 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                  |
| 68 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB            |
| 69 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB            |
| 70 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                  |
| 71 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB            |
| 72 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB            |
| 73 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Bluetooth+R6:UWB         |
| 74 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB   |
| 75 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB   |
| 76 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Zigbee+R6:UWB            |
| 77 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB      |
| 78 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB      |
| 79 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Bluetooth+R6:UWB       |
| 80 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB |
| 81 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB |
| 82 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Zigbee+R6:UWB          |



|     |                                                                                              |
|-----|----------------------------------------------------------------------------------------------|
| 83  | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB |
| 84  | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB |
| 85  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Bluetooth+R6:UWB       |
| 86  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB |
| 87  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB |
| 88  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Zigbee+R6:UWB          |
| 89  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB    |
| 90  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB    |
| 91  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Bluetooth+R6:UWB       |
| 92  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB |
| 93  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB |
| 94  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Zigbee+R6:UWB          |
| 95  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB    |
| 96  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB    |
| 97  | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth+R6:UWB                              |
| 98  | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Bluetooth+R6:UWB                       |
| 99  | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth+R6:UWB                              |
| 100 | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Bluetooth+R6:UWB                       |
| 101 | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                                 |
| 102 | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Zigbee+R6:UWB                          |
| 103 | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                                 |
| 104 | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Zigbee+R6:UWB                          |
| 105 | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:2.4GHz+R5:Bluetooth+R6:UWB                      |
| 106 | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-3+R5:Bluetooth+R6:UWB               |
| 107 | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:2.4GHz+R5:Zigbee+R6:UWB                         |
| 108 | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-3+R5:Zigbee+R6:UWB                  |

Note1: R means Radio.

Note2: 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
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01

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

- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01
- ♦ FCC KDB 291074 D02 v01

## 1.3 Testing Location Information

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

| Test Condition                                         | Test Site No. | Test Engineer | Test Environment<br>(°C / %) | Test Date                                                    |
|--------------------------------------------------------|---------------|---------------|------------------------------|--------------------------------------------------------------|
| RF Conducted<br>(For EUT 1)                            | TH02-CB       | Gino Huang    | 22.7~24.6 / 61~65            | Oct. 23, 2024~Jan. 14, 2025                                  |
| RF Conducted<br>(For EUT 2)                            | TH02-CB       | Gino Huang    | 23.3~24.2 / 62~64            | Oct. 22, 2024~Jan. 15, 2025                                  |
| Radiated<br>(Below 1GHz)                               | 03CH05-CB     | Gordon Hung   | 21.9-22.4 / 60-62            | Jan. 16, 2025                                                |
| Radiated<br>(Above 1GHz_For EUT 1_Full RU)             | 03CH03-CB     | Viola Huang   | 22.2-22.6 / 59-61            | Oct. 16, 2024~Nov. 23, 2024 /<br>Nov. 25, 2024~Jan. 15, 2025 |
|                                                        | 03CH04-CB     |               | 22.7-23.8 / 58-60            |                                                              |
| Radiated<br>(Above 1GHz_For EUT 1_Multi_RU/Puncturing) | 03CH04-CB     | Viola Huang   | 22.7-23.8 / 58-60            | Oct. 16, 2024~Nov. 23, 2024 /<br>Nov. 25, 2024~Jan. 15, 2025 |
| Radiated<br>(Above 1GHz_For EUT 2_Full RU)             | 03CH04-CB     | Viola Huang   | 22.7-23.8 / 58-60            | Oct. 16, 2024~Nov. 23, 2024 /<br>Nov. 25, 2024~Jan. 15, 2025 |
| Radiated<br>(Above 1GHz_For EUT 2_Multi_RU/Puncturing) | 03CH02-CB     | Viola Huang   | 22-23 / 61-63                | Oct. 16, 2024~Nov. 23, 2024 /<br>Nov. 25, 2024~Jan. 15, 2025 |
| AC Conduction                                          | CO02-CB       | Gray Lee      | 23~24 / 52~53                | Dec. 31, 2024~Jan. 17, 2025                                  |



## 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)  | 3.8 dB      | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz)     | 4.1 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 4.2 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 4.2 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 4.0 dB      | Confidence levels of 95% |
| Conducted Emission                   | 3.1 dB      | Confidence levels of 95% |
| Output Power Measurement             | 0.8 dB      | Confidence levels of 95% |
| Power Density Measurement            | 3.1 dB      | Confidence levels of 95% |
| Bandwidth Measurement                | 2.1 %       | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

For Full\_RU:

For EUT 1:

For Radio 2:

| Mode                               |
|------------------------------------|
| 802.11a_Nss1,(6Mbps)_4TX           |
| 5845MHz                            |
| 5865MHz                            |
| 5885MHz                            |
| 802.11be EHT20_Nss1,(MCS0)_4TX     |
| 5845MHz                            |
| 5865MHz                            |
| 5885MHz                            |
| 802.11be EHT40_Nss1,(MCS0)_4TX     |
| 5835MHz                            |
| 5875MHz                            |
| 802.11be EHT80_Nss1,(MCS0)_4TX     |
| 5855MHz                            |
| 802.11be EHT160_Nss1,(MCS0)_4TX    |
| 5815MHz                            |
| 802.11be EHT20-BF_Nss1,(MCS0)_4TX  |
| 5845MHz                            |
| 5865MHz                            |
| 5885MHz                            |
| 802.11be EHT40-BF_Nss1,(MCS0)_4TX  |
| 5835MHz                            |
| 5875MHz                            |
| 802.11be EHT80-BF_Nss1,(MCS0)_4TX  |
| 5855MHz                            |
| 802.11be EHT160-BF_Nss1,(MCS0)_4TX |
| 5815MHz                            |

For Scanning Radio 4:

| Mode                           |
|--------------------------------|
| 802.11a_Nss1,(6Mbps)_2TX       |
| 5845MHz                        |
| 5865MHz                        |
| 5885MHz                        |
| 802.11be EHT20_Nss1,(MCS0)_2TX |
| 5845MHz                        |
| 5865MHz                        |
| 5885MHz                        |
| 802.11be EHT40_Nss1,(MCS0)_2TX |
| 5835MHz                        |
| 5875MHz                        |
| 802.11be EHT80_Nss1,(MCS0)_2TX |
| 5855MHz                        |



|                                 |
|---------------------------------|
| 802.11be EHT160_Nss1,(MCS0)_2TX |
| 5815MHz                         |

**For EUT 2:****For Radio 2:**

| Mode                               |
|------------------------------------|
| 802.11a_Nss1,(6Mbps)_4TX           |
| 5845MHz                            |
| 5865MHz                            |
| 5885MHz                            |
| 802.11be EHT20_Nss1,(MCS0)_4TX     |
| 5845MHz                            |
| 5865MHz                            |
| 5885MHz                            |
| 802.11be EHT40_Nss1,(MCS0)_4TX     |
| 5835MHz                            |
| 5875MHz                            |
| 802.11be EHT80_Nss1,(MCS0)_4TX     |
| 5855MHz                            |
| 802.11be EHT160_Nss1,(MCS0)_4TX    |
| 5815MHz                            |
| 802.11be EHT20-BF_Nss1,(MCS0)_4TX  |
| 5845MHz                            |
| 5865MHz                            |
| 5885MHz                            |
| 802.11be EHT40-BF_Nss1,(MCS0)_4TX  |
| 5835MHz                            |
| 5875MHz                            |
| 802.11be EHT80-BF_Nss1,(MCS0)_4TX  |
| 5855MHz                            |
| 802.11be EHT160-BF_Nss1,(MCS0)_4TX |
| 5815MHz                            |

**For Scanning Radio 4:**

| Mode                            |
|---------------------------------|
| 802.11a_Nss1,(6Mbps)_2TX        |
| 5845MHz                         |
| 5865MHz                         |
| 5885MHz                         |
| 802.11be EHT20_Nss1,(MCS0)_2TX  |
| 5845MHz                         |
| 5865MHz                         |
| 5885MHz                         |
| 802.11be EHT40_Nss1,(MCS0)_2TX  |
| 5835MHz                         |
| 5875MHz                         |
| 802.11be EHT80_Nss1,(MCS0)_2TX  |
| 5855MHz                         |
| 802.11be EHT160_Nss1,(MCS0)_2TX |
| 5815MHz                         |

**For Multi\_RU/Puncturing:****For EUT 1:****For Radio 2:**

| Mode                                                    |
|---------------------------------------------------------|
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX        |
| 5855MHz                                                 |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 6_4TX |
| 5815MHz                                                 |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX       |
| 5815MHz                                                 |

**For EUT 2:****For Radio 2:**

| Mode                                                    |
|---------------------------------------------------------|
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX        |
| 5855MHz                                                 |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 3_4TX |
| 5815MHz                                                 |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX       |
| 5815MHz                                                 |

**Note:**

- ♦ Evaluated EHT20/EHT40/EHT80/EHT160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160/HEW20/HEW40/HEW80/HEW160 mode are the same or lower than EHT20/EHT40/EHT80/EHT160.
- ♦ For Radio 2: 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                                                                                                           |
| 1                                                                                                 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 2                                                                                                 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 3                                                                                                 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 4                                                                                                 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 5                                                                                                 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 6                                                                                                 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 7                                                                                                 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 8                                                                                                 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 9                                                                                                 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 10                                                                                                | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port) |
| 11                                                                                                | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R5:Zigbee(TX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 12                                                                                                | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R5:Zigbee(RX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 13                                                                                                | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R5:Zigbee(TX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 14                                                                                                | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R5:Zigbee(RX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 15                                                                                                | EUT 1_R1:6GHz UNII 5+R4:5GHz UNII 1-4+R5:Zigbee(TX)+ R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                    |
| 16                                                                                                | EUT 1_R1:6GHz UNII 5+R4:5GHz UNII 1-4+R5:Zigbee(RX)+ R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                    |
| 17                                                                                                | EUT 1_R2:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+ R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                  |
| Mode 8 has been evaluated to be the worst case among Mode 1~17, thus measurement for Mode 18 will |                                                                                                                       |



|                                                                                                                                 |                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| follow this same test mode.                                                                                                     |                                                                                                                       |
| 18                                                                                                                              | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth1+PoE port)                      |
| 19                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 20                                                                                                                              | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 21                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 22                                                                                                                              | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 23                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 24                                                                                                                              | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 25                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                        |
| 26                                                                                                                              | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 27                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 28                                                                                                                              | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port) |
| 29                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R5:Zigbee(TX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 30                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R5:Zigbee(RX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 31                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R5:Zigbee(TX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 32                                                                                                                              | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R5:Zigbee(RX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)   |
| 33                                                                                                                              | EUT 2_R1:6GHz UNII 5+R4:5GHz UNII 1-4+R5:Zigbee(TX)+ R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                    |
| 34                                                                                                                              | EUT 2_R1:6GHz UNII 5+R4:5GHz UNII 1-4+R5:Zigbee(RX)+ R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                    |
| 35                                                                                                                              | EUT 2_R2:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+ R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                  |
| Mode 20 has been evaluated to be the worst case among Mode 19~35, thus measurement for Mode 36 will follow this same test mode. |                                                                                                                       |
| 36                                                                                                                              | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth1+PoE port)                      |



|                                                                                                                                 |                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 37                                                                                                                              | EUT 3_R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 38                                                                                                                              | EUT 3_R2:5GHz UNII 2C-3+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 39                                                                                                                              | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 40                                                                                                                              | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                      |
| 41                                                                                                                              | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port) |
| 42                                                                                                                              | EUT 3_R2:5GHz UNII 1,2A+R5:Zigbee(TX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                  |
| 43                                                                                                                              | EUT 3_R2:5GHz UNII 1,2A+R5:Zigbee(RX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                  |
| 44                                                                                                                              | EUT 3_R2:5GHz UNII 2C-3+R5:Zigbee(TX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                  |
| 45                                                                                                                              | EUT 3_R2:5GHz UNII 2C-3+R5:Zigbee(RX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                  |
| 46                                                                                                                              | EUT 3_R4:5GHz UNII 1-3+R5:Zigbee(TX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                   |
| 47                                                                                                                              | EUT 3_R4:5GHz UNII 1-3+R5:Zigbee(RX)+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                   |
| 48                                                                                                                              | EUT 3_R2:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                   |
| Mode 41 has been evaluated to be the worst case among Mode 37~48, thus measurement for Mode 49 will follow this same test mode. |                                                                                                      |
| 49                                                                                                                              | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS+PoE(Powered from Eth1+PoE port) |
| For operating mode 8 is the worst case and it was record in this test report.                                                   |                                                                                                      |

| The Worst Case Mode for Following Conformance Tests |                                                 |
|-----------------------------------------------------|-------------------------------------------------|
| <b>Tests Item</b>                                   | Emission Bandwidth<br>Maximum EIRP Output Power |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains        |
| 1                                                   | EUT 1_R2:4T1S                                   |
| 2                                                   | EUT 1_R4:2T1S                                   |
| 3                                                   | EUT 2_R2:4T1S                                   |
| 4                                                   | EUT 2_R4:2T1S                                   |



| The Worst Case Mode for Following Conformance Tests |                                          |
|-----------------------------------------------------|------------------------------------------|
| <b>Tests Item</b>                                   | EIRP Power Spectral Density              |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains |
| 1                                                   | EUT 1_R2:4T1S_Full RU                    |
| 2                                                   | EUT 1_R4:2T1S_Full RU                    |
| 3                                                   | EUT 2_R2:4T1S_Full RU                    |
| 4                                                   | EUT 2_R4:2T1S_Full RU                    |
| 5                                                   | EUT 1_R2:4T1S_Multi_RU/Puncturing        |
| 6                                                   | EUT 2_R2:4T1S_Multi_RU/Puncturing        |

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Unwanted Emissions                                                                                                                                                                                                                                  |
| <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                                                                                                                                                                                                                                         |

For EUT 1~3:

1. After evaluating, the worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.
2. The EUT has two powered modes, one is "PoE(Powered from Eth0+PoE port)" mode and the other is "PoE(Powered from Eth1+PoE port)" mode. After evaluating, the worst case was found at "PoE(Powered from Eth0+PoE port)" mode, so the measurement will follow this same test.

For EUT 1, 2:

The EUTs have 17 modes as below:

Mode 1: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS  
Mode 2: EUT\_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS  
Mode 3: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R4:2.4GHz+R6:UWB+R7:GPS  
Mode 4: EUT\_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R4:2.4GHz+R6:UWB+R7:GPS  
Mode 5: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS  
Mode 6: EUT\_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS  
Mode 7: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R6:UWB+R7:GPS  
Mode 8: EUT\_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R6:UWB+R7:GPS  
Mode 9: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS  
Mode 10: EUT\_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS  
Mode 11: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R5:Zigbee(TX)+R6:UWB+R7:GPS  
Mode 12: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R5:Zigbee(RX)+R6:UWB+R7:GPS  
Mode 13: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R5:Zigbee(TX)+R6:UWB+R7:GPS  
Mode 14: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R5:Zigbee(RX)+R6:UWB+R7:GPS



Mode 15: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 1-4+R5:Zigbee(TX)+R6:UWB+R7:GPS  
Mode 16: EUT\_R1:6GHz UNII 5+R2:5GHz UNII 1-4+R5:Zigbee(RX)+R6:UWB+R7:GPS  
Mode 17: EUT\_R2:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+ R6:UWB+R7:GPS  
And, from above the worst case was found at Mode 1. So the measurement will follow this same test configuration.

For EUT 3:

The EUT has 12 modes as below:

Mode 1: EUT\_R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS  
Mode 2: EUT\_R2:5GHz UNII 2C-3+R4:2.4GHz+R6:UWB+R7:GPS  
Mode 3: EUT\_R2:5GHz UNII 1,2A+R3:2.4GHz+R6:UWB+R7:GPS  
Mode 4: EUT\_R2:5GHz UNII 2C-3+R3:2.4GHz+R6:UWB+R7:GPS  
Mode 5: EUT\_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R5:Bluetooth+R6:UWB+R7:GPS  
Mode 6: EUT\_R2:5GHz UNII 1,2A+R5:Zigbee(TX)+R6:UWB+R7:GPS  
Mode 7: EUT\_R2:5GHz UNII 1,2A+R5:Zigbee(RX)+R6:UWB+R7:GPS  
Mode 8: EUT\_R2:5GHz UNII 2C-3+R5:Zigbee(TX)+R6:UWB+R7:GPS  
Mode 9: EUT\_R2:5GHz UNII 2C-3+R5:Zigbee(RX)+R6:UWB+R7:GPS  
Mode 10: EUT\_R2:5GHz UNII 1-3+R5:Zigbee(TX)+R6:UWB+R7:GPS  
Mode 11: EUT\_R2:5GHz UNII 1-3+R5:Zigbee(RX)+R6:UWB+R7:GPS  
Mode 12: EUT\_R2:5GHz UNII 1,2A+R5:Bluetooth+ R6:UWB+R7:GPS

And, from above the worst case was found at Mode 1. So the measurement will follow this same test configuration.

|   |                                                                                                          |
|---|----------------------------------------------------------------------------------------------------------|
| 1 | EUT 1 in Z axis_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port) |
| 2 | EUT 2 in Z axis_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port) |
| 3 | EUT 3 in Z axis_R2:5GHz UNII 1,2A+R4:2.4GHz+R6:UWB+R7:GPS+PoE(Powered from Eth0+PoE port)                |

For operating mode 2 is the worst case and it was record in this test report.

| The Worst Case Mode for Following Conformance Tests                                                                    |                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                                                      | Unwanted Emissions                                                                                                                                                                                                                                  |
| <b>Test Condition</b>                                                                                                  | Conducted measurement at transmit chains                                                                                                                                                                                                            |
| <b>Operating Mode &gt; 1GHz</b>                                                                                        | CTX(Harmonic and bandedge)                                                                                                                                                                                                                          |
| 1                                                                                                                      | EUT 1_R4:2T1S                                                                                                                                                                                                                                       |
| 2                                                                                                                      | EUT 2_R4:2T1S                                                                                                                                                                                                                                       |
| <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 &gt; 1GHz</b>                                                                                        | CTX                                                                                                                                                                                                                                                 |
| After evaluating, the worst-case axis was found as below. So the measurement will follow this same test configuration. |                                                                                                                                                                                                                                                     |
| 1                                                                                                                      | EUT 1 in Z axis_R4:2T1S (Cabinet)                                                                                                                                                                                                                   |
| 2                                                                                                                      | EUT 2 in Y axis_R4:2T1S (Cabinet)                                                                                                                                                                                                                   |
| 3                                                                                                                      | EUT 1 in Z axis for bandedge / in Y axis for harmonic_R2:4T1S_Full RU                                                                                                                                                                               |
| 4                                                                                                                      | EUT 2 in Y axis_R2:4T1S_Full RU                                                                                                                                                                                                                     |
| 5                                                                                                                      | EUT 1 in Z axis for bandedge / in Y axis for harmonic_R2:4T1S_Multi_RU/Puncturing                                                                                                                                                                   |
| 6                                                                                                                      | EUT 2 in Y axis_R2:4T1S_Multi_RU/Puncturing                                                                                                                                                                                                         |



| <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                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Bluetooth +R6:UWB         |
| 2                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB   |
| 3                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB   |
| 4                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth +R6:UWB          |
| 5                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB   |
| 6                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB   |
| 7                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Zigbee +R6:UWB             |
| 8                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Zigbee+R6:UWB      |
| 9                                                          | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Zigbee+R6:UWB      |
| 10                                                         | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+ R6:UWB             |
| 11                                                         | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Zigbee+R6:UWB      |
| 12                                                         | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Zigbee+R6:UWB      |
| 13                                                         | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth +R6:UWB      |
| 14                                                         | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB |
| 15                                                         | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB |
| 16                                                         | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth +R6:UWB      |
| 17                                                         | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB |
| 18                                                         | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB |



|    |                                                                                                 |
|----|-------------------------------------------------------------------------------------------------|
| 19 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                  |
| 20 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB            |
| 21 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB            |
| 22 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                  |
| 23 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB            |
| 24 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB            |
| 25 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Bluetooth+R6:UWB         |
| 26 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB   |
| 27 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB   |
| 28 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Zigbee+R6:UWB            |
| 29 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB      |
| 30 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB      |
| 31 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Bluetooth+R6:UWB       |
| 32 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB |
| 33 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB |
| 34 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+R5:Zigbee+R6:UWB          |
| 35 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+R5:Zigbee+R6:UWB    |
| 36 | EUT 1_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+R5:Zigbee+R6:UWB    |
| 37 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+R5:Bluetooth+R6:UWB          |
| 38 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+R5:Bluetooth+R6:UWB    |
| 39 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+R5:Bluetooth+R6:UWB    |



|    |                                                                                                  |
|----|--------------------------------------------------------------------------------------------------|
| 40 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+<br>R5:Zigbee+R6:UWB          |
| 41 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+<br>R5:Zigbee+R6:UWB    |
| 42 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+<br>R5:Zigbee+R6:UWB    |
| 43 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+<br>R5:Bluetooth+R6:UWB       |
| 44 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+<br>R5:Bluetooth+R6:UWB |
| 45 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+<br>R5:Bluetooth+R6:UWB |
| 46 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+<br>R5:Zigbee+R6:UWB          |
| 47 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+<br>R5:Zigbee+R6:UWB    |
| 48 | EUT 1_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+<br>R5:Zigbee+R6:UWB    |
| 49 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Bluetooth<br>+R6:UWB              |
| 50 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+<br>R5:Bluetooth+R6:UWB        |
| 51 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+<br>R5:Bluetooth+R6:UWB        |
| 52 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth<br>+R6:UWB               |
| 53 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+<br>R5:Bluetooth+R6:UWB        |
| 54 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+<br>R5:Bluetooth+R6:UWB        |
| 55 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Zigbee<br>+R6:UWB                  |
| 56 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+<br>R5:Zigbee+R6:UWB           |
| 57 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+<br>R5:Zigbee+R6:UWB           |
| 58 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+<br>R6:UWB                  |
| 59 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+<br>R5:Zigbee+R6:UWB           |
| 60 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+<br>R5:Zigbee+R6:UWB           |



|    |                                                                                                  |
|----|--------------------------------------------------------------------------------------------------|
| 61 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth+R6:UWB               |
| 62 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB         |
| 63 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB         |
| 64 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+ R5:Bluetooth+R6:UWB               |
| 65 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB         |
| 66 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB         |
| 67 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                   |
| 68 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Zigbee+R6:UWB            |
| 69 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 1,2A+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Zigbee+R6:UWB            |
| 70 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+ R4:2.4GHz+R5:Zigbee+R6:UWB                   |
| 71 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:5GHz UNII 1-4+ R5:Zigbee+R6:UWB            |
| 72 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:2.4GHz+R4:6GHz UNII 5-8+ R5:Zigbee+R6:UWB            |
| 73 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+ R5:Bluetooth+R6:UWB         |
| 74 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB   |
| 75 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB   |
| 76 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+ R5:Zigbee+R6:UWB            |
| 77 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+ R5:Zigbee+R6:UWB      |
| 78 | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+ R5:Zigbee+R6:UWB      |
| 79 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+ R5:Bluetooth+R6:UWB       |
| 80 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+ R5:Bluetooth+R6:UWB |
| 81 | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+ R5:Bluetooth+R6:UWB |



|     |                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------|
| 82  | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+ R4:2.4GHz+<br>R5:Zigbee+R6:UWB       |
| 83  | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-4+<br>R5:Zigbee+R6:UWB |
| 84  | EUT 2_R1:6GHz UNII 6-8+R2:5GHz UNII 2C-4+R3:5GHz UNII 1,2A+R4:6GHz UNII 5-8+<br>R5:Zigbee+R6:UWB |
| 85  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+<br>R5:Bluetooth+R6:UWB       |
| 86  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+<br>R5:Bluetooth+R6:UWB |
| 87  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+<br>R5:Bluetooth+R6:UWB |
| 88  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+ R4:2.4GHz+<br>R5:Zigbee+R6:UWB          |
| 89  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+<br>R5:Zigbee+R6:UWB    |
| 90  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 1,2A+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+<br>R5:Zigbee+R6:UWB    |
| 91  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+<br>R5:Bluetooth+R6:UWB       |
| 92  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+<br>R5:Bluetooth+R6:UWB |
| 93  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+<br>R5:Bluetooth+R6:UWB |
| 94  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+ R4:2.4GHz+<br>R5:Zigbee+R6:UWB          |
| 95  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:5GHz UNII 1-4+<br>R5:Zigbee+R6:UWB    |
| 96  | EUT 2_R1:6GHz UNII 5+R2:5GHz UNII 2C-4+R3:6GHz UNII 7,8+R4:6GHz UNII 5-8+<br>R5:Zigbee+R6:UWB    |
| 97  | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth+R6:UWB                                  |
| 98  | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Bluetooth+R6:UWB                           |
| 99  | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:2.4GHz+R5:Bluetooth+R6:UWB                                  |
| 100 | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Bluetooth+R6:UWB                           |
| 101 | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                                     |
| 102 | EUT 3_R2:5GHz UNII 1,2A+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Zigbee+R6:UWB                              |
| 103 | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:2.4GHz+R5:Zigbee+R6:UWB                                     |
| 104 | EUT 3_R2:5GHz UNII 2C-3+R3:2.4GHz+R4:5GHz UNII 1-3+R5:Zigbee+R6:UWB                              |



|                                                                                    |                                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 105                                                                                | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:2.4GHz+R5:Bluetooth+R6:UWB        |
| 106                                                                                | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-3+R5:Bluetooth+R6:UWB |
| 107                                                                                | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:2.4GHz+R5:Zigbee+R6:UWB           |
| 108                                                                                | EUT 3_R2:5GHz UNII 2C-3+R3:5GHz UNII 1,2A+R4:5GHz UNII 1-3+R5:Zigbee+R6:UWB    |
| Refer to Sporton Test Report No.: FA4O0708 for Co-location RF Exposure Evaluation. |                                                                                |

Note1: R means Radio.

Note2: The PoE is for measurement only, would not be marketed.

The information of PoE as below:

| Power | Brand Name | Model Name |
|-------|------------|------------|
| PoE   | PHIHONG    | POE60U-BTA |

## 2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

## 2.4 Accessories

| Accessories                                     |
|-------------------------------------------------|
| Bracket*1                                       |
| Antenna Bracket of Ant. 1 (Used for EUT 3) Note |

Note: Optional, not sold with EUT.

## 2.5 Support Equipment

For AC Conduction:

| Support Equipment |               |             |              |               |
|-------------------|---------------|-------------|--------------|---------------|
| No.               | Equipment     | Brand Name  | Model Name   | FCC ID        |
| A                 | PoE           | PHIHONG     | POE60U-BTA   | N/A           |
| B                 | Flash disk3.0 | Transcend   | JetFlash-703 | N/A           |
| C                 | ETH0 PC       | ASUS        | S300TA       | TX2-RTL8821CE |
| D                 | ETH1 PC       | ASUS        | S300TA       | TX2-RTL8821CE |
| E                 | 6GH NB        | DELL        | E6230        | N/A           |
| F                 | 5GH NB        | DELL        | E6430        | N/A           |
| G                 | 2.4G NB       | DELL        | E6430        | N/A           |
| H                 | 6G module     | INTEL       | BE200        | PD9BE200NG    |
| I                 | GPS Simulator | WELNAVIGATE | GS-100       | N/A           |
| J                 | Device        | Juniper     | AP47         | N/A           |
| K                 | Device PC     | ASUS        | S300TA       | TX2-RTL8821CE |

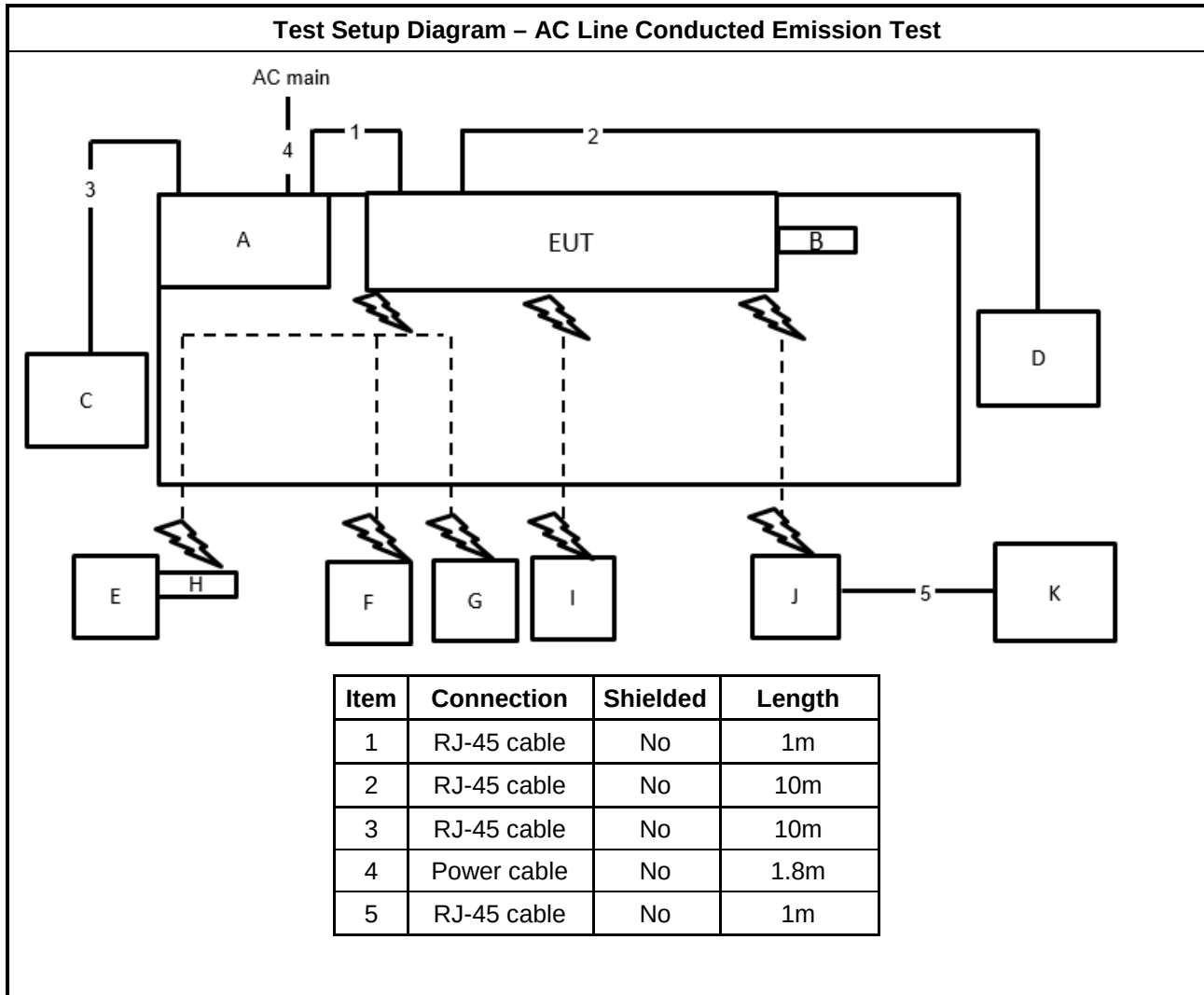
**For Radiated (below 1GHz):**

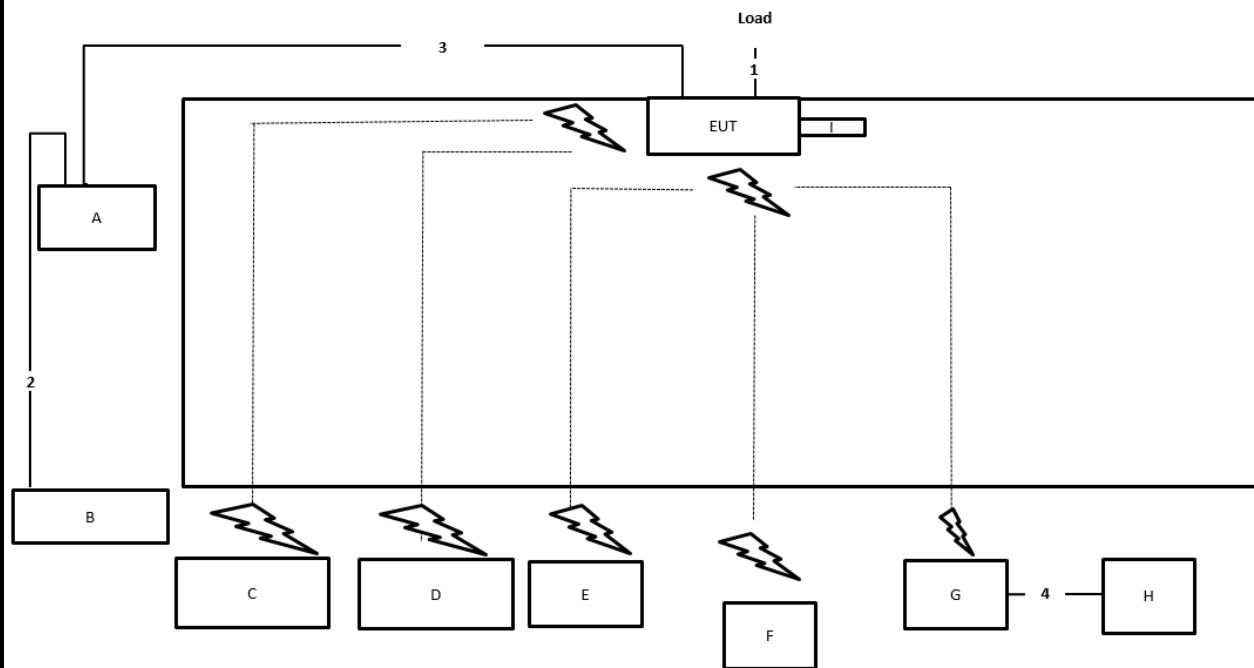
| Support Equipment |               |               |            |        |
|-------------------|---------------|---------------|------------|--------|
| No.               | Equipment     | Brand Name    | Model Name | FCC ID |
| A                 | PoE           | PHIHONG       | POE60U-BTA | N/A    |
| B                 | 10G PC        | DELL          | T3400      | N/A    |
| C                 | 2.4G NB       | DELL          | E4300      | N/A    |
| D                 | 5G NB         | DELL          | E4300      | N/A    |
| E                 | 6G NB         | DELL          | E4300      | N/A    |
| F                 | GPS Simulator | WELNAVIGATE   | GS-100     | N/A    |
| G                 | Device        | Juniper       | AP47       | N/A    |
| H                 | 10G PC        | DELL          | T3400      | N/A    |
| I                 | Flash disk3.0 | Silicon Power | B06        | N/A    |

**For Radiated (above 1GHz) and RF Conducted:**

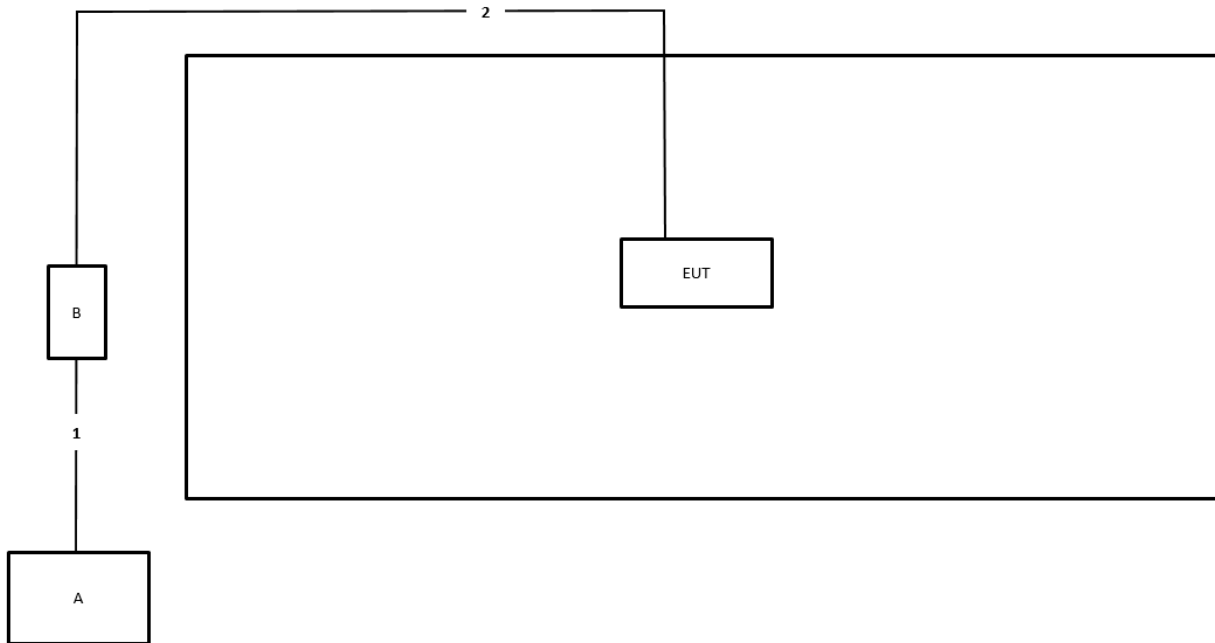
| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| A                 | NB        | DELL       | E4300      | N/A    |
| B                 | PoE       | PHIHONG    | POE60U-BTA | N/A    |

## 2.6 Test Setup Diagram



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


| Item | Connection          | Shielded | Length |
|------|---------------------|----------|--------|
| 1    | RJ-45 cable(Load*1) | No       | 1.5m   |
| 2    | RJ-45 cable         | No       | 1.5m   |
| 3    | RJ-45 cable         | No       | 10m    |
| 4    | RJ-45 cable         | No       | 1.5m   |

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


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



### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

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

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

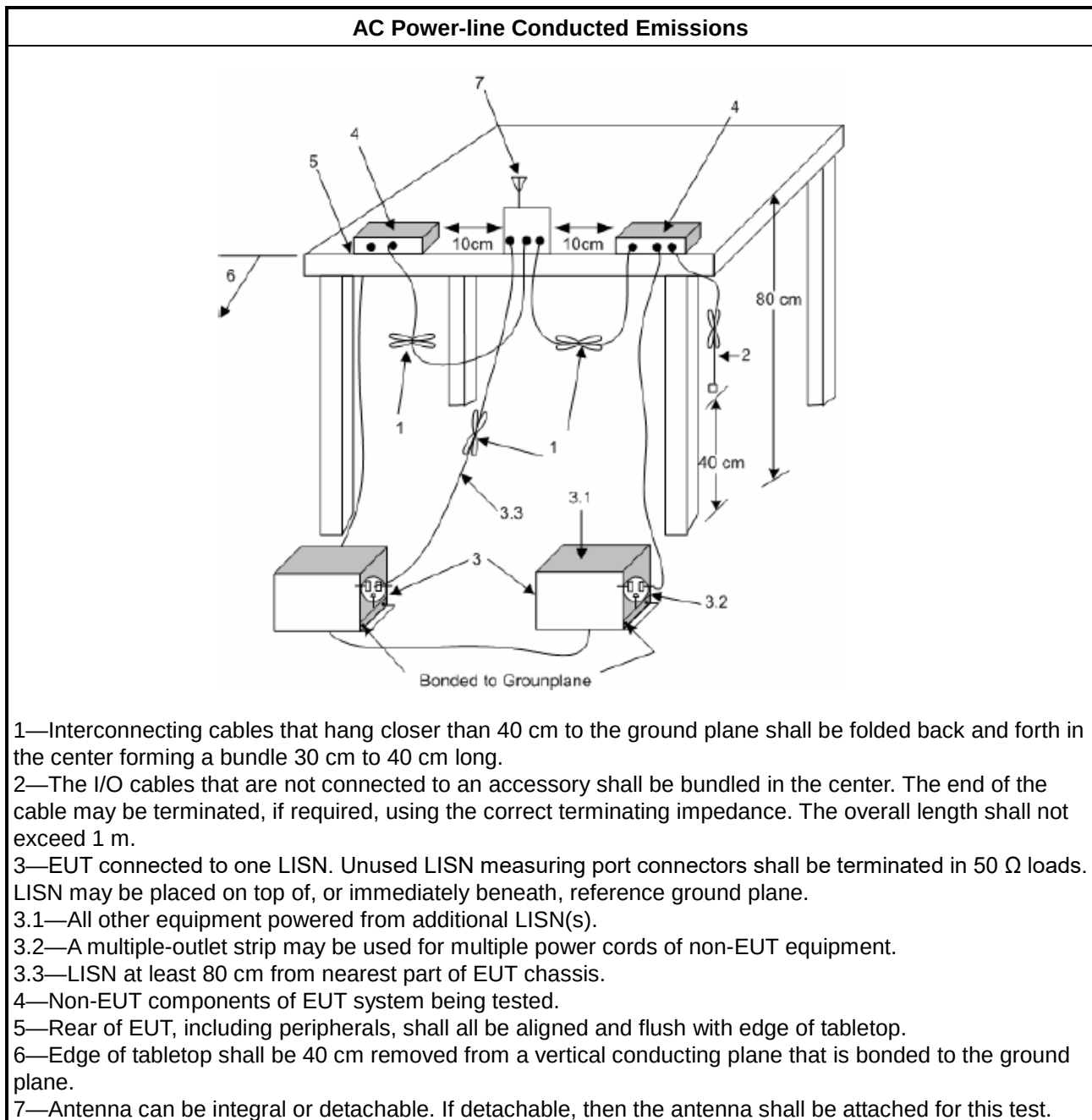
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

### 3.1.4 Test Setup



### 3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

## 3.2 Emission Bandwidth

### 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit            |                                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                 |                                                                                                       |
| <input checked="" type="checkbox"/> | For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A.<br>6 dB emission bandwidth $\geq$ 500kHz. |
| <b>LE-LAN Devices</b>               |                                                                                                       |
| <input type="checkbox"/>            | For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A.<br>6 dB emission bandwidth $\geq$ 500kHz. |

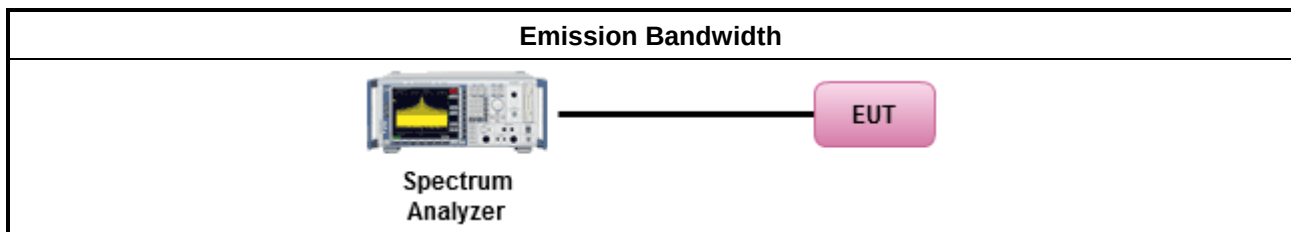
### 3.2.2 Measuring Instruments

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 789033 D02, clause C for EBW and clause D for OBW measurement. |
| <input type="checkbox"/>                                                                                                       | Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.              |
| <input type="checkbox"/>                                                                                                       | Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.                          |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



### 3.3 Maximum EIRP Output Power

#### 3.3.1 Limit

| Maximum EIRP Output Power Limit                                  |                                           |
|------------------------------------------------------------------|-------------------------------------------|
| <b>UNII Devices</b>                                              |                                           |
| <input checked="" type="checkbox"/> For the 5.85-5.895 GHz band: |                                           |
|                                                                  | ▪ Indoor AP & subordinate device < 36 dBm |
|                                                                  | ▪ Client device < 30 dBm                  |
| <b>LE-LAN Devices</b>                                            |                                           |
| <input type="checkbox"/> For the 5.85-5.895 GHz band:            |                                           |
|                                                                  | ▪ Indoor AP & subordinate device < 36 dBm |
|                                                                  | ▪ Indoor client device < 30 dBm           |
|                                                                  | ▪ Fixed outdoor AP device < 36 dBm        |
|                                                                  | ▪ Fixed outdoor client device < 30 dBm    |

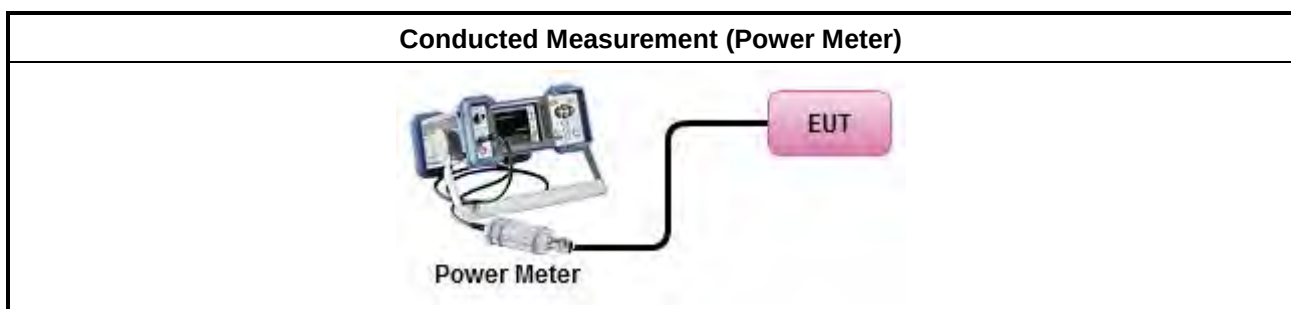
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Average over on/off periods with duty factor                                                                                                                                                                                                                                                                                                                           |
| <input type="checkbox"/>            | Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                          |
| <input type="checkbox"/>            | Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                           |
|                                     | Wideband RF power meter and average over on/off periods with duty factor                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> | For conducted measurement.                                                                                                                                                                                                                                                                                                                                             |
|                                     | <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>P_{total} = P_1 + P_2 + \dots + P_n</math><br/> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>                                                             |
| <input type="checkbox"/>            | For radiated measurement.                                                                                                                                                                                                                                                                                                                                              |
|                                     | <ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> <li>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>                                                                      |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum EIRP Output Power

Refer as Appendix C



### 3.4 EIRP Power Spectral Density

#### 3.4.1 Limit

| EIRP Power Spectral Density Limit                                |                                               |
|------------------------------------------------------------------|-----------------------------------------------|
| <b>UNII Devices</b>                                              |                                               |
| <input checked="" type="checkbox"/> For the 5.85-5.895 GHz band: |                                               |
|                                                                  | ▪ Indoor AP & subordinate device < 20dBm/MHz  |
|                                                                  | ▪ Client device < 14dBm/MHz                   |
| <b>LE-LAN Devices</b>                                            |                                               |
| <input type="checkbox"/> For the 5.85-5.895 GHz band:            |                                               |
|                                                                  | ▪ Indoor AP & subordinate device < 20 dBm/MHz |
|                                                                  | ▪ Indoor client device < 14 dBm/MHz           |
|                                                                  | ▪ Fixed outdoor AP device < 23 dBm/MHz        |
|                                                                  | ▪ Fixed outdoor client device < 17 dBm/MHz    |

#### 3.4.2 Measuring Instruments

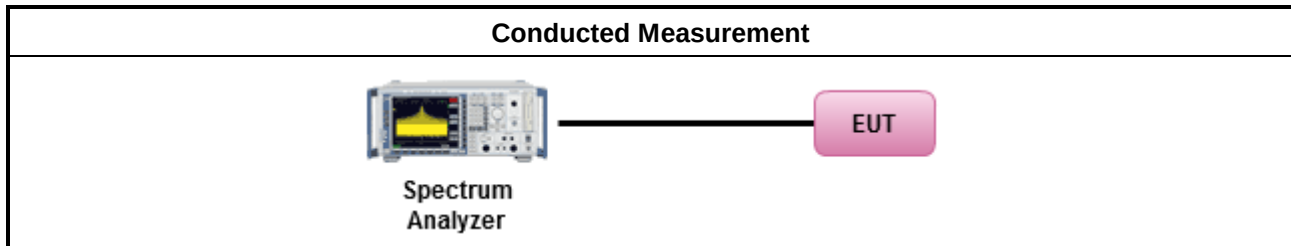
Refer a test equipment and calibration data table in this test report.



### 3.4.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                        | Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| [duty cycle ≥ 98% or external video / power trigger]                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                             | Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                        | Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| duty cycle < 98% and average over on/off periods with duty factor                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                             | Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                        | Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> For conducted measurement.                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:</li> </ul>                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                             | Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                        | Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,                                                                                                                                                                                                         |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                        | Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br/> <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math><br/> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>EIRP_{total} = PPSD_{total} + DG</math> </li> </ul>                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input type="checkbox"/> For radiated measurement.                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> <li>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### 3.4.4 Test Setup



### 3.4.5 Test Result of EIRP Power Spectral Density

Refer as Appendix D



### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter Unwanted Emissions Limit

| Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.



| Un-restricted band emissions above 1GHz Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input checked="" type="checkbox"/> UNII Devices 5.85 - 5.895 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz.<br>(ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.<br>(iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz. |
| <input type="checkbox"/> LE-LAN Devices 5.85 - 5.895 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (i) Fixed outdoor access points and fixed outdoor client devices shall not exceed -27 dBm/MHz e.i.r.p. spectral density at or above the 5895 MHz band edge.<br>(ii) Indoor access points or indoor subordinate devices shall not exceed 15 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -7 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz.<br>(iii) Client devices shall not exceed -5 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -27 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz.                                                                                                                                                                    |
| Note 1: 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). |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### 3.5.2 Measuring Instruments

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



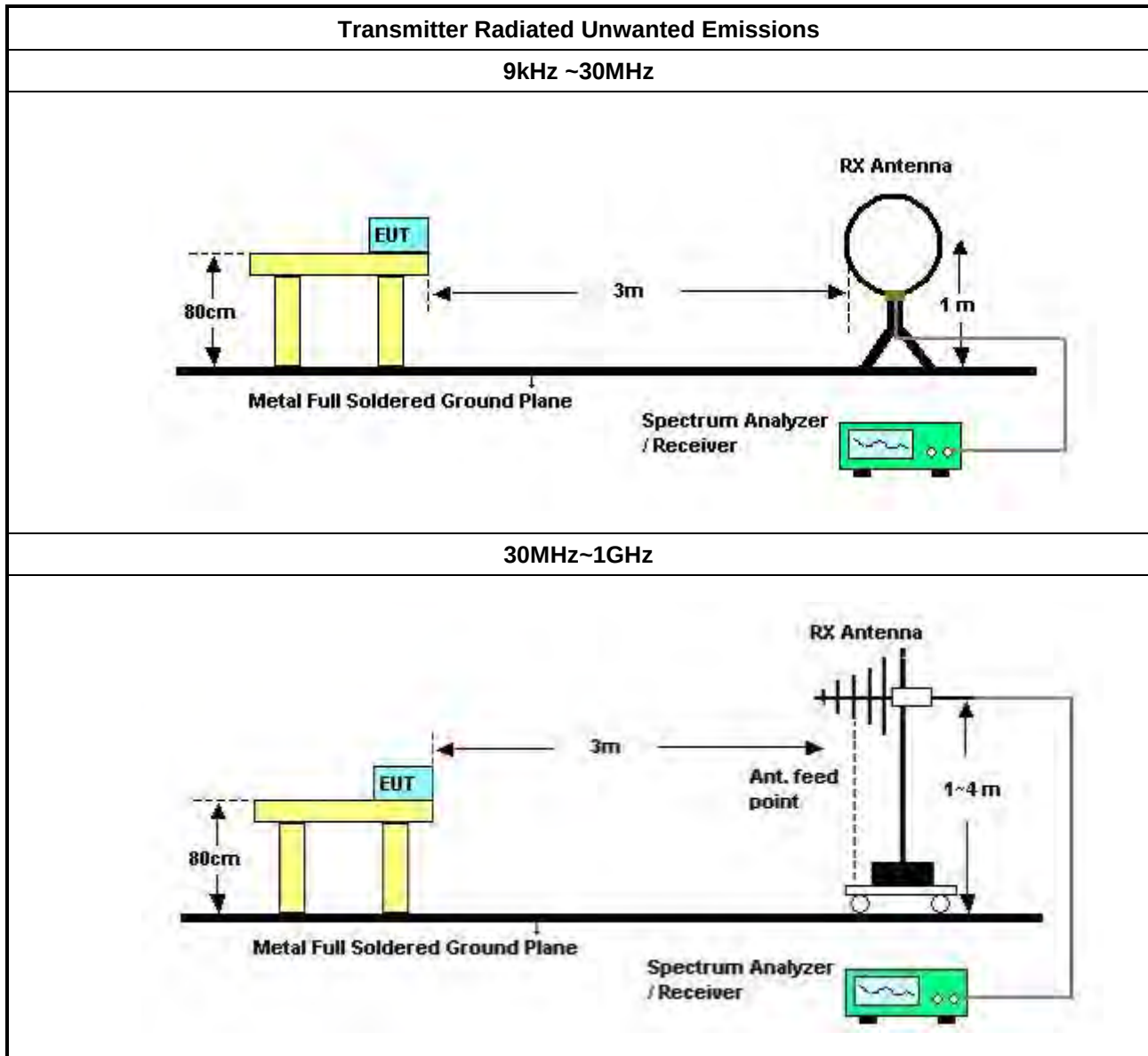
### 3.5.3 Test Procedures

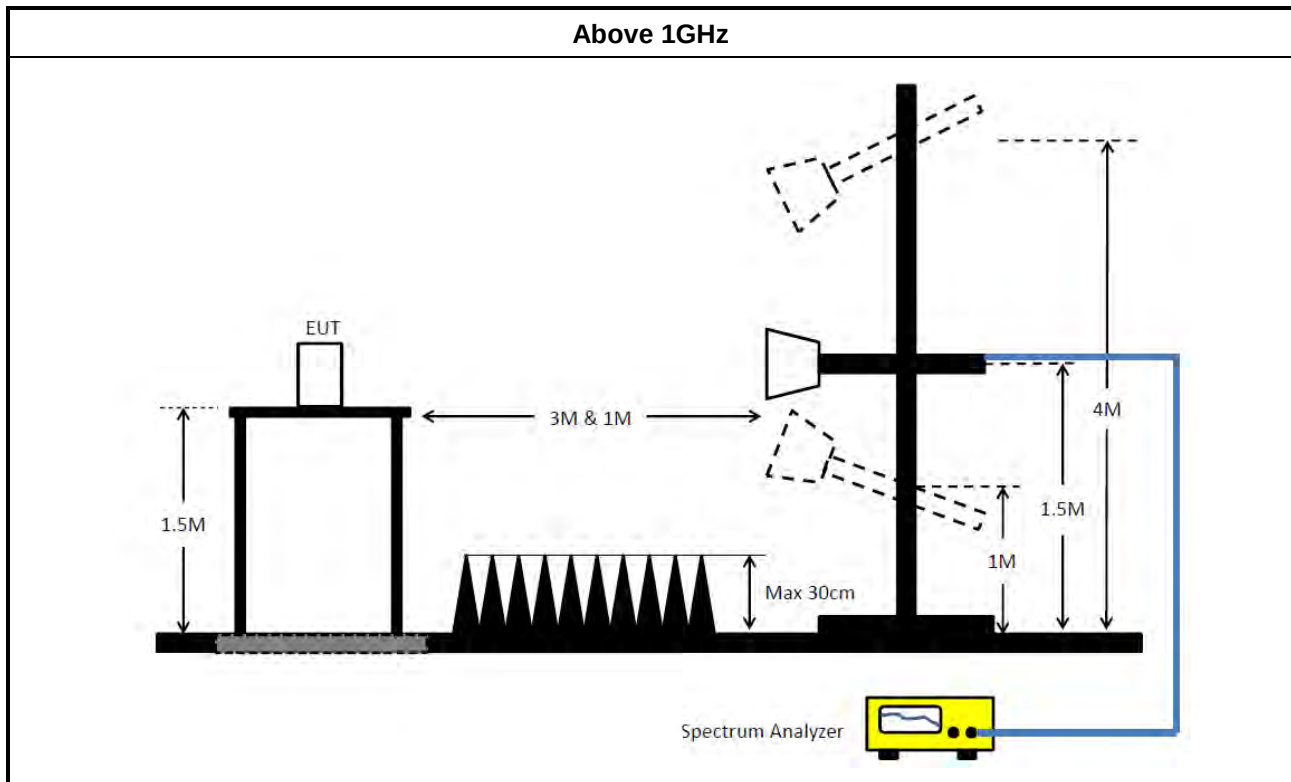
| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).</li></ul> |                                                                                                                                                  |
| <ul style="list-style-type: none"><li>The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                  |
| <ul style="list-style-type: none"><li>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 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.</li></ul>       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.</li></ul>           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <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 789033 D02, clause G)5) measurement procedure peak limit.                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.                                                |
| <ul style="list-style-type: none"><li>For radiated measurement.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li></ul>    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li></ul> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li></ul>                              |
| <ul style="list-style-type: none"><li>The any unwanted emissions level shall not exceed the fundamental emission level.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                  |
| <ul style="list-style-type: none"><li>All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                  |



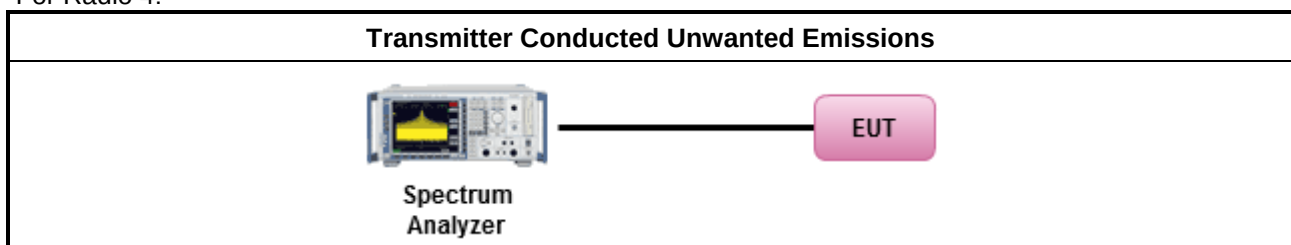
| Test Method                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪ For conducted and cabinet radiation measurement, refer as FCC KDB 789033 D02, clause G)3). |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                              | ▪ 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.                                                                                    |

### 3.5.4 Test Setup





For Radio 4:



### 3.5.5 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.

### 3.5.6 Transmitter Unwanted Emissions (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.

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



## 4 Test Equipment and Calibration Data

| Instrument                    | Brand        | Model No.       | Serial No.       | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-------------------------------|--------------|-----------------|------------------|------------------|------------------|----------------------|-----------------------|
| LISN                          | Schwarzbeck  | NSLK 8127       | 8127650          | 9kHz ~ 30MHz     | Apr. 15, 2024    | Apr. 14, 2025        | Conduction (CO02-CB)  |
| LISN                          | Schwarzbeck  | NSLK 8127       | 8127647          | 9kHz ~ 30MHz     | Apr. 24, 2024    | Apr. 23, 2025        | Conduction (CO02-CB)  |
| EMI Receiver                  | Agilent      | N9038A          | MY52260140       | 9kHz ~ 8.4GHz    | May 15, 2024     | May 14, 2025         | Conduction (CO02-CB)  |
| COND Cable                    | Woken        | Cable           | 02               | 0.15MHz ~ 30MHz  | Oct. 16, 2024    | Oct. 15, 2025        | Conduction (CO02-CB)  |
| Pulse Limiter                 | Schwarzbeck  | VTSD 9561F-N    | 00378            | 9kHz ~ 30MHz     | Oct. 16, 2024    | Oct. 15, 2025        | Conduction (CO02-CB)  |
| Test Software                 | SPORTON      | SENSE-EMI       | V5.11            | 150kHz-30MHz     | N.C.R.           | N.C.R.               | Conduction (CO02-CB)  |
| 3m Semi Anechoic Chamber VSWR | RIKEN        | SAC-3M          | 03CH02-CB        | 1GHz ~18GHz      | Mar. 24, 2024    | Mar. 23, 2025        | Radiation (03CH02-CB) |
| Horn Antenna                  | EMCO         | 3115            | 9610-4976        | 1GHz ~ 18GHz     | Apr. 12, 2024    | Apr. 11, 2025        | Radiation (03CH02-CB) |
| Horn Antenna                  | Schwarzbeck  | BBHA 9170       | BBHA9170252      | 15GHz ~ 40GHz    | Sep. 23, 2024    | Sep. 22, 2025        | Radiation (03CH02-CB) |
| Pre-Amplifier                 | Agilent      | 83017A          | MY39501305       | 1GHz ~ 26.5GHz   | Jun. 29, 2024    | Jun. 28, 2025        | Radiation (03CH02-CB) |
| Pre-Amplifier                 | SGH          | SGH184          | 20221107-3       | 18GHz ~ 40GHz    | Nov. 24, 2023    | Nov. 23, 2024        | Radiation (03CH02-CB) |
| Pre-Amplifier                 | SGH          | SGH184          | 20221107-3       | 18GHz ~ 40GHz    | Nov. 25, 2024    | Nov. 24, 2025        | Radiation (03CH02-CB) |
| Signal Analyzer               | R&S          | FSV3044         | 101536           | 10kHz ~ 44GHz    | Aug. 14, 2024    | Aug. 13, 2025        | Radiation (03CH02-CB) |
| RF Cable-high                 | Woken        | RG402           | High Cable-18    | 1GHz ~ 18GHz     | Jun. 20, 2024    | Jun. 19, 2025        | Radiation (03CH02-CB) |
| RF Cable-high                 | Woken        | RG402           | High Cable-18+19 | 1GHz ~ 18GHz     | Jun. 20, 2024    | Jun. 19, 2025        | Radiation (03CH02-CB) |
| High Cable                    | Woken        | WCA0929M        | 40G#5+6          | 1GHz ~ 40 GHz    | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH02-CB) |
| Test Software                 | SPORTON      | SENSE-15407_NII | V5.11. 23        | 5.15GHz-7.115GHz | N.C.R.           | N.C.R.               | Radiation (03CH02-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK          | SAC-3M          | 03CH03-CB        | 1GHz ~18GHz 3m   | May 03, 2024     | May 02, 2025         | Radiation (03CH03-CB) |
| Horn Antenna                  | ETS-Lindgren | 3115            | 6821             | 750MHz~18GHz     | Jan. 24, 2024    | Jan. 23, 2025        | Radiation (03CH03-CB) |
| Horn Antenna                  | Schwarzbeck  | BBHA 9170       | BBHA9170252      | 15GHz ~ 40GHz    | Sep. 23, 2024    | Sep. 22, 2025        | Radiation (03CH03-CB) |



| Instrument                        | Brand        | Model No.          | Serial No.       | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-----------------------------------|--------------|--------------------|------------------|------------------|------------------|----------------------|-----------------------|
| Pre-Amplifier                     | Agilent      | 8449B              | 3008A02097       | 1GHz ~ 26.5GHz   | Jun. 29, 2024    | Jun. 28, 2025        | Radiation (03CH03-CB) |
| Pre-Amplifier                     | SGH          | SGH184             | 20221107-3       | 18GHz ~ 40GHz    | Nov. 24, 2023    | Nov. 23, 2024        | Radiation (03CH03-CB) |
| Pre-Amplifier                     | SGH          | SGH184             | 20221107-3       | 18GHz ~ 40GHz    | Nov. 25, 2024    | Nov. 24, 2025        | Radiation (03CH03-CB) |
| Spectrum Analyzer                 | R&S          | FSP40              | 100019           | 9kHz ~ 40GHz     | Jun. 11, 2024    | Jun. 10, 2025        | Radiation (03CH03-CB) |
| RF Cable-high                     | Woken        | RG402              | High Cable-20+29 | 1GHz ~ 18GHz     | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH03-CB) |
| RF Cable-high                     | Woken        | RG402              | High Cable-29    | 1GHz ~ 18GHz     | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH03-CB) |
| High Cable                        | Woken        | WCA0929M           | 40G#5+6          | 1GHz ~ 40 GHz    | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH03-CB) |
| Test Software                     | SPORTON      | SENSE-15407_NII    | V5.11. 23        | 5.15GHz-7.115GHz | N.C.R.           | N.C.R.               | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber VSWR     | TDK          | SAC-3M             | 03CH04-CB        | 1GHz ~18GHz 3m   | Feb. 22, 2024    | Feb. 21, 2025        | Radiation (03CH04-CB) |
| Horn Antenna                      | SCHWARZBECK  | BBHA 9120 D        | BBHA 9120 D 1370 | 1GHz~18GHz       | Jul. 11, 2024    | Jul. 10, 2025        | Radiation (03CH04-CB) |
| Horn Antenna                      | Schwarzbeck  | BBHA 9170          | BBHA9170252      | 15GHz ~ 40GHz    | Sep. 23, 2024    | Sep. 22, 2025        | Radiation (03CH04-CB) |
| Pre-Amplifier                     | SGH          | SGH5265            | 20211115-1       | 1~ 26.5GHz       | Jan. 17, 2024    | Jan. 16, 2025        | Radiation (03CH04-CB) |
| Pre-Amplifier                     | SGH          | SGH184             | 20221107-3       | 18GHz ~ 40GHz    | Nov. 24, 2023    | Nov. 23, 2024        | Radiation (03CH04-CB) |
| Pre-Amplifier                     | SGH          | SGH184             | 20221107-3       | 18GHz ~ 40GHz    | Nov. 25, 2024    | Nov. 24, 2025        | Radiation (03CH04-CB) |
| Spectrum Analyzer                 | R&S          | FSP40              | 100142           | 9kHz~40GHz       | Mar. 19, 2024    | Mar. 18, 2025        | Radiation (03CH04-CB) |
| RF Cable-high                     | Woken        | RG402              | High Cable-21    | 1GHz - 18GHz     | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH04-CB) |
| RF Cable-high                     | Woken        | RG402              | High Cable-21+67 | 1GHz - 18GHz     | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH04-CB) |
| High Cable                        | Woken        | WCA0929M           | 40G#5+6          | 1GHz ~ 40 GHz    | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH04-CB) |
| Test Software                     | SPORTON      | SENSE-15407_NII    | V5.11. 23        | 5.15GHz-7.115GHz | N.C.R.           | N.C.R.               | Radiation (03CH04-CB) |
| Loop Antenna                      | Teseq        | HLA 6121           | 65417            | 9kHz - 30 MHz    | Oct. 16, 2024    | Oct. 15, 2025        | Radiation (03CH05-CB) |
| 3m Semi Anechoic Chamber NSA      | TDK          | SAC-3M             | 03CH05-CB        | 30 MHz ~ 1 GHz   | Aug. 01, 2024    | Jul. 31, 2025        | Radiation (03CH05-CB) |
| Bilog Antenna with 6dB Attenuator | TESEQ & EMCI | CBL 6112D & N-6-06 | 35236 & AT-N0610 | 30MHz ~ 2GHz     | Mar. 23, 2024    | Mar. 22, 2025        | Radiation (03CH05-CB) |



| Instrument        | Brand   | Model No.       | Serial No.      | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-------------------|---------|-----------------|-----------------|------------------|------------------|----------------------|-----------------------|
| Amplifier         | EMCI    | EMC330N         | 980331          | 20MHz ~ 3GHz     | May 02, 2024     | May 01, 2025         | Radiation (03CH05-CB) |
| Spectrum Analyzer | R&S     | FSP40           | 100304          | 9kHz ~ 40GHz     | Apr. 17, 2024    | Apr. 16, 2025        | Radiation (03CH05-CB) |
| EMI Test Receiver | R&S     | ESR7            | 102172          | 9kHz ~ 7GHz      | Oct. 21, 2024    | Oct. 20, 2025        | Radiation (03CH05-CB) |
| RF Cable-low      | Woken   | RG402           | Low Cable-04+23 | 30MHz~1GHz       | Oct. 01, 2024    | Sep. 30, 2025        | Radiation (03CH05-CB) |
| Test Software     | SPORTON | SENSE-EMI       | V5.11.8         | 30MHz-40GHz      | N.C.R.           | N.C.R.               | Radiation (03CH05-CB) |
| Spectrum analyzer | R&S     | FSV40           | 101027          | 9kHz~40GHz       | Aug. 27, 2024    | Aug. 26, 2025        | Conducted (TH02-CB)   |
| Power Sensor      | Anritsu | MA2411B         | 1126203         | 300MHz~40GHz     | Oct. 18, 2024    | Oct. 17, 2025        | Conducted (TH02-CB)   |
| Power Meter       | Anritsu | ML2495A         | 1210004         | 300MHz~40GHz     | Oct. 18, 2024    | Oct. 17, 2025        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken   | RG402           | High Cable-01   | 1 GHz – 18 GHz   | Oct. 01, 2024    | Sep. 30, 2025        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken   | RG402           | High Cable-02   | 1 GHz – 18 GHz   | Oct. 01, 2024    | Sep. 30, 2025        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken   | RG402           | High Cable-03   | 1 GHz – 18 GHz   | Oct. 01, 2024    | Sep. 30, 2025        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken   | RG402           | High Cable-04   | 1 GHz – 18 GHz   | Oct. 01, 2024    | Sep. 30, 2025        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken   | RG402           | High Cable-05   | 1 GHz – 18 GHz   | Oct. 01, 2024    | Sep. 30, 2025        | Conducted (TH02-CB)   |
| Switch            | SPTCB   | SP-SWI          | SWI-02          | 1~18 GHz         | Oct. 02, 2024    | Oct. 01, 2025        | Conducted (TH02-CB)   |
| Test Software     | SPORTON | SENSE-15407_NII | V5.11. 23       | 5.15GHz-7.115GHz | N.C.R.           | N.C.R.               | Conducted (TH02-CB)   |

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

NCR means Non-Calibration required.



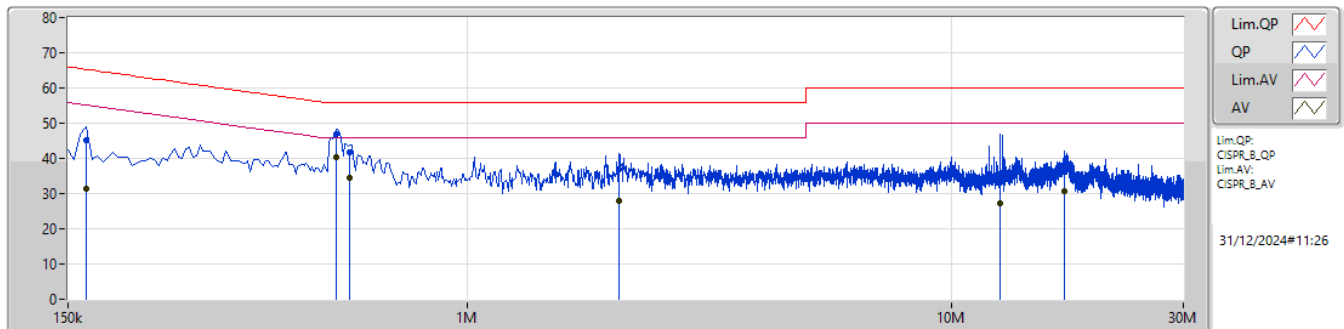
## Conducted Emissions at Powerline

## Appendix A

### Summary

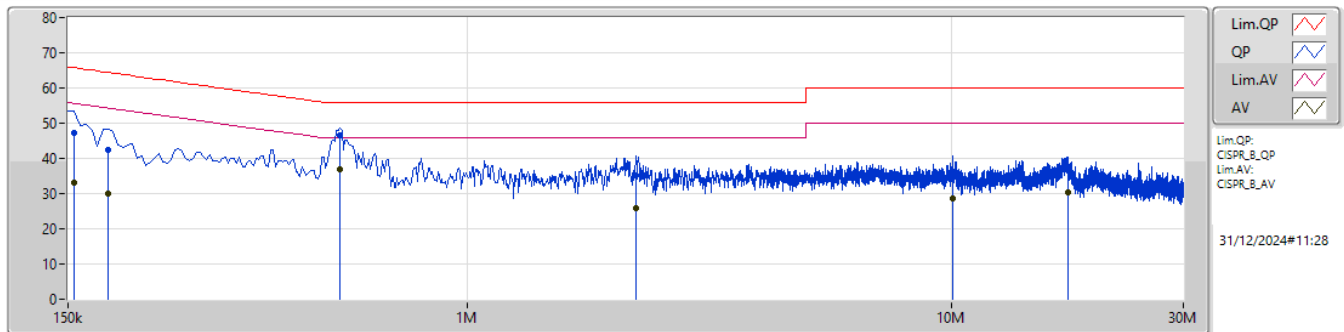
| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-----------------|-----------------|----------------|-----------|
| Mode 8 | Pass   | AV   | 537k         | 40.48           | 46.00           | -5.52          | Line      |

### Mode 8



| 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   | 163.5k       | 45.28           | 65.27           | -19.99         | 10.15          | Line      | -       | 35.13         | 0.05         | 0.08       | 10.02      |  |  |  |  |  |  |
| AV   | 163.5k       | 31.53           | 55.27           | -23.74         | 10.15          | Line      | -       | 21.38         | 0.05         | 0.08       | 10.02      |  |  |  |  |  |  |
| QP   | 537k         | 46.85           | 56.00           | -9.15          | 10.19          | Line      | -       | 36.66         | 0.06         | 0.10       | 10.03      |  |  |  |  |  |  |
| AV   | 537k         | 40.48           | 46.00           | -5.52          | 10.19          | Line      | "Worst" | 30.29         | 0.06         | 0.10       | 10.03      |  |  |  |  |  |  |
| QP   | 573k         | 41.79           | 56.00           | -14.21         | 10.19          | Line      | -       | 31.60         | 0.06         | 0.10       | 10.03      |  |  |  |  |  |  |
| AV   | 573k         | 34.50           | 46.00           | -11.50         | 10.19          | Line      | -       | 24.31         | 0.06         | 0.10       | 10.03      |  |  |  |  |  |  |
| QP   | 2.058M       | 36.96           | 56.00           | -19.04         | 10.24          | Line      | -       | 26.72         | 0.09         | 0.14       | 10.01      |  |  |  |  |  |  |
| AV   | 2.058M       | 27.83           | 46.00           | -18.17         | 10.24          | Line      | -       | 17.59         | 0.09         | 0.14       | 10.01      |  |  |  |  |  |  |
| QP   | 12.566M      | 33.43           | 60.00           | -26.57         | 10.51          | Line      | -       | 22.92         | 0.30         | 0.19       | 10.02      |  |  |  |  |  |  |
| AV   | 12.566M      | 27.33           | 50.00           | -22.67         | 10.51          | Line      | -       | 16.82         | 0.30         | 0.19       | 10.02      |  |  |  |  |  |  |
| QP   | 17.039M      | 37.03           | 60.00           | -22.97         | 10.65          | Line      | -       | 26.38         | 0.36         | 0.27       | 10.02      |  |  |  |  |  |  |
| AV   | 17.039M      | 30.70           | 50.00           | -19.30         | 10.65          | Line      | -       | 20.05         | 0.36         | 0.27       | 10.02      |  |  |  |  |  |  |

### Mode 8



| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |  |  |  |
|------|--------------|-----------------|-----------------|----------------|--------|-----------|---------|---------------|--------------|------------|------------|--|--|--|--|--|--|
| QP   | 154.5k       | 47.41           | 65.75           | -18.34         | 10.15  | Neutral   | -       | 37.26         | 0.05         | 0.08       | 10.02      |  |  |  |  |  |  |
| AV   | 154.5k       | 33.04           | 55.75           | -22.71         | 10.15  | Neutral   | -       | 22.89         | 0.05         | 0.08       | 10.02      |  |  |  |  |  |  |
| QP   | 181.5k       | 42.38           | 64.41           | -22.03         | 10.14  | Neutral   | -       | 32.24         | 0.05         | 0.07       | 10.02      |  |  |  |  |  |  |
| AV   | 181.5k       | 29.89           | 54.41           | -24.52         | 10.14  | Neutral   | -       | 19.75         | 0.05         | 0.07       | 10.02      |  |  |  |  |  |  |
| QP   | 546k         | 46.68           | 56.00           | -9.32          | 10.18  | Neutral   | -       | 36.50         | 0.05         | 0.10       | 10.03      |  |  |  |  |  |  |
| AV   | 546k         | 36.77           | 46.00           | -9.23          | 10.18  | Neutral   | "Worst" | 26.59         | 0.05         | 0.10       | 10.03      |  |  |  |  |  |  |
| QP   | 2.234M       | 35.34           | 56.00           | -20.66         | 10.24  | Neutral   | -       | 25.10         | 0.08         | 0.14       | 10.02      |  |  |  |  |  |  |
| AV   | 2.234M       | 25.99           | 46.00           | -20.01         | 10.24  | Neutral   | -       | 15.75         | 0.08         | 0.14       | 10.02      |  |  |  |  |  |  |
| QP   | 10.05M       | 35.92           | 60.00           | -24.08         | 10.37  | Neutral   | -       | 25.55         | 0.21         | 0.15       | 10.01      |  |  |  |  |  |  |
| AV   | 10.05M       | 28.56           | 50.00           | -21.44         | 10.37  | Neutral   | -       | 18.19         | 0.21         | 0.15       | 10.01      |  |  |  |  |  |  |
| QP   | 17.3M        | 36.67           | 60.00           | -23.33         | 10.54  | Neutral   | -       | 26.13         | 0.25         | 0.27       | 10.02      |  |  |  |  |  |  |
| AV   | 17.3M        | 30.34           | 50.00           | -19.66         | 10.54  | Neutral   | -       | 19.80         | 0.25         | 0.27       | 10.02      |  |  |  |  |  |  |

Test Mode: Mode 1

**Summary**

| Mode                            | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.725-5.895GHz                  | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 16.61M           | 16.849M         | 16M8D1D  | 16.5M            | 16.465M         |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | 19.195M          | 19.11M          | 19M1D1D  | 19.03M           | 18.949M         |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | 38.17M           | 38.162M         | 38M2D1D  | 36.41M           | 37.575M         |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | 77.88M           | 77.353M         | 77M4D1D  | 77.88M           | 77.193M         |
| 802.11be EHT160_Nss1,(MCS0)_4TX | 157.52M          | 156.239M        | 156MD1D  | 156.2M           | 155.579M        |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth

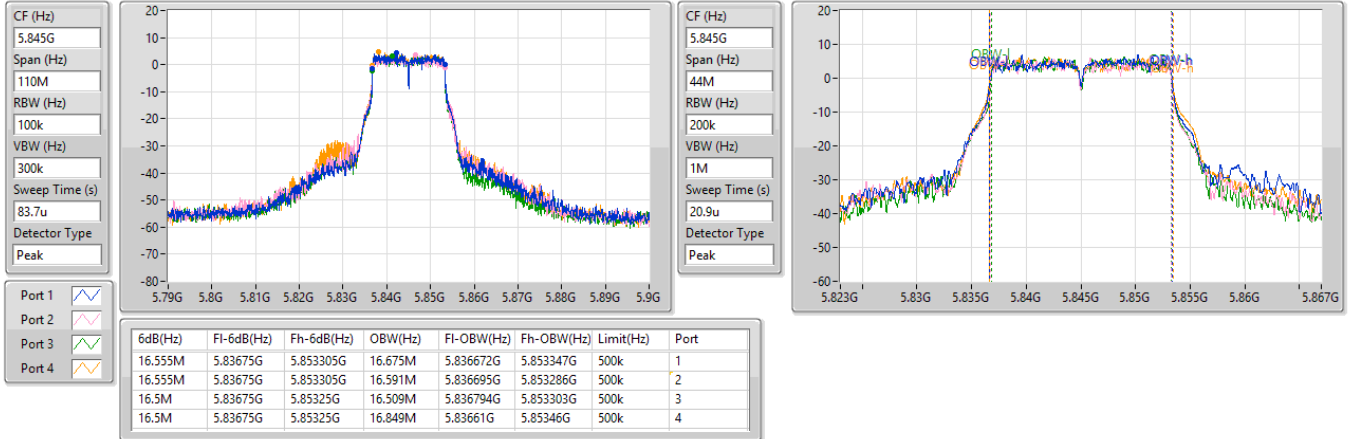
**Result**

| 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) |
|---------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5845MHz                         | Pass   | 500k       | 16.555M          | 16.675M         | 16.555M          | 16.591M         | 16.5M            | 16.509M         | 16.5M            | 16.849M         |
| 5865MHz                         | Pass   | 500k       | 16.61M           | 16.551M         | 16.5M            | 16.465M         | 16.555M          | 16.572M         | 16.555M          | 16.576M         |
| 5885MHz                         | Pass   | 500k       | 16.5M            | 16.655M         | 16.555M          | 16.753M         | 16.555M          | 16.712M         | 16.5M            | 16.563M         |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5845MHz                         | Pass   | 500k       | 19.03M           | 18.951M         | 19.03M           | 19.029M         | 19.03M           | 18.971M         | 19.03M           | 19.003M         |
| 5865MHz                         | Pass   | 500k       | 19.14M           | 18.995M         | 19.085M          | 19.018M         | 19.085M          | 18.949M         | 19.085M          | 18.965M         |
| 5885MHz                         | Pass   | 500k       | 19.195M          | 19.11M          | 19.085M          | 18.966M         | 19.085M          | 18.996M         | 19.195M          | 19.037M         |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5835MHz                         | Pass   | 500k       | 37.4M            | 38.162M         | 38.06M           | 37.906M         | 37.73M           | 37.679M         | 38.17M           | 37.865M         |
| 5875MHz                         | Pass   | 500k       | 36.41M           | 37.756M         | 36.74M           | 37.856M         | 38.06M           | 37.654M         | 37.84M           | 37.575M         |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5855MHz                         | Pass   | 500k       | 77.88M           | 77.353M         | 77.88M           | 77.266M         | 77.88M           | 77.193M         | 77.88M           | 77.285M         |
| 802.11be EHT160_Nss1,(MCS0)_4TX | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5815MHz                         | Pass   | 500k       | 156.2M           | 156.148M        | 157.52M          | 155.579M        | 157.52M          | 155.914M        | 156.64M          | 156.239M        |

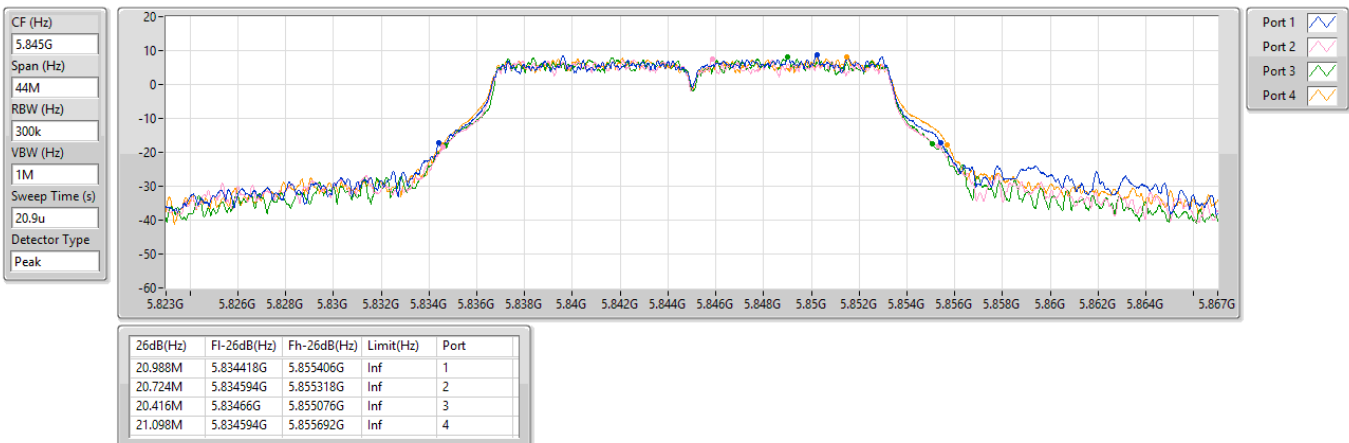
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5845MHz**

03/12/2024

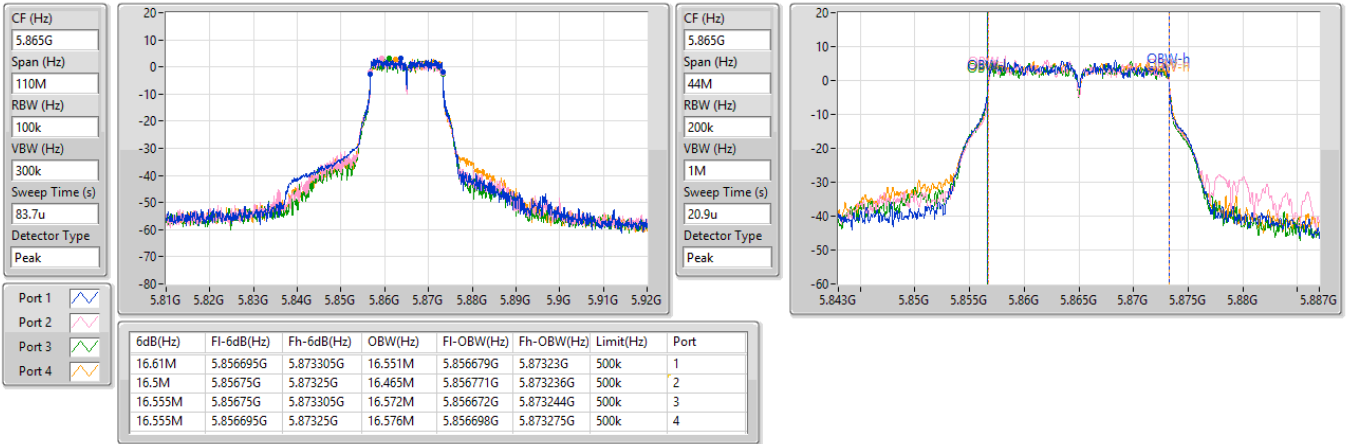

**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5845MHz**

03/12/2024

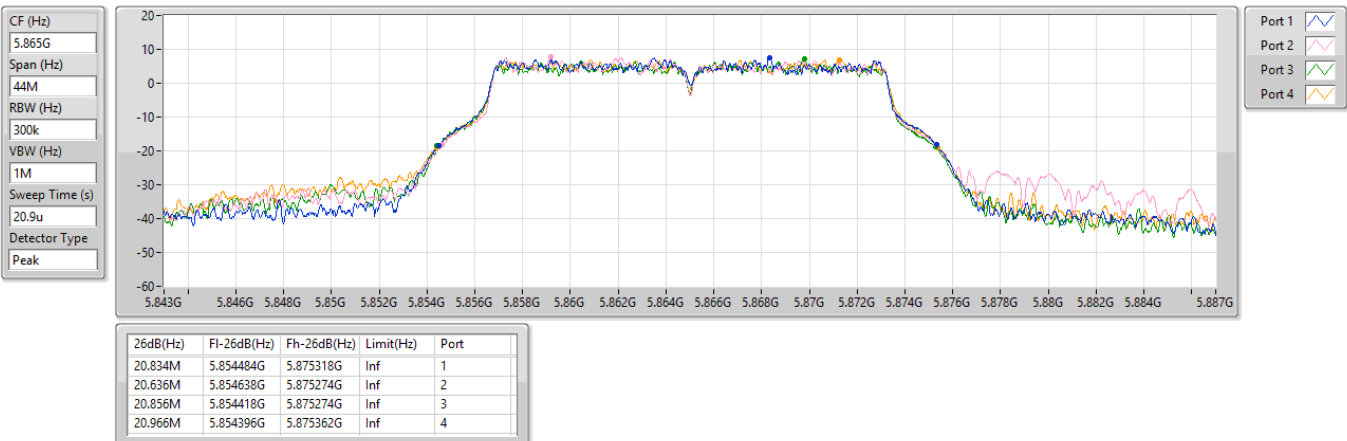


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5865MHz**

03/12/2024

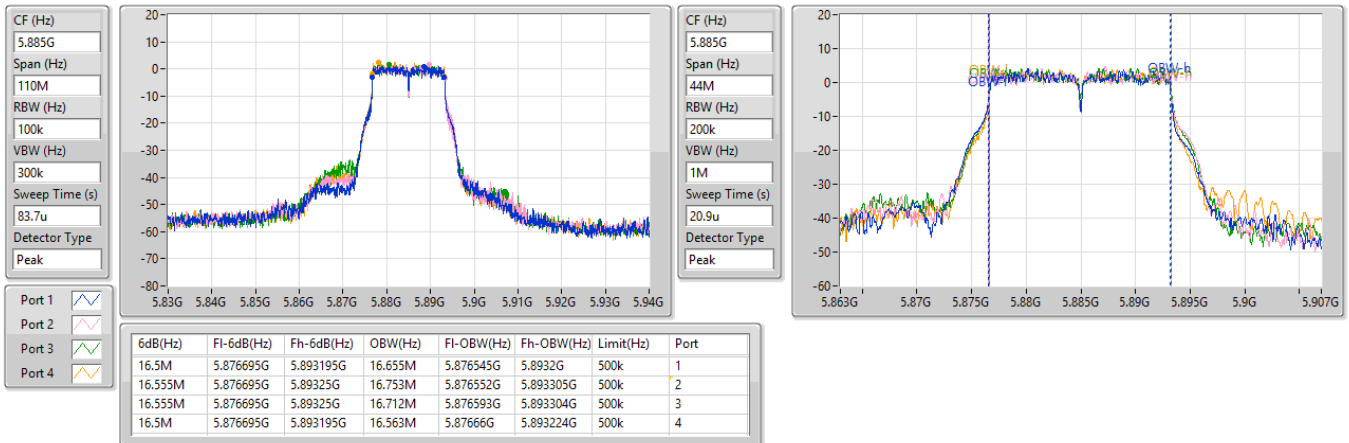

**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5865MHz**

03/12/2024

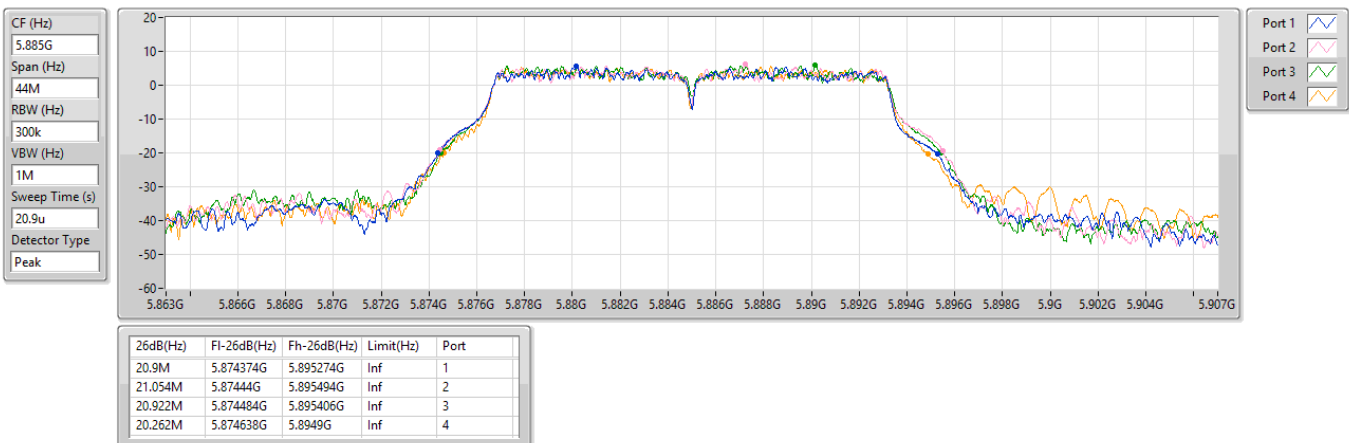


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5885MHz**

02/12/2024

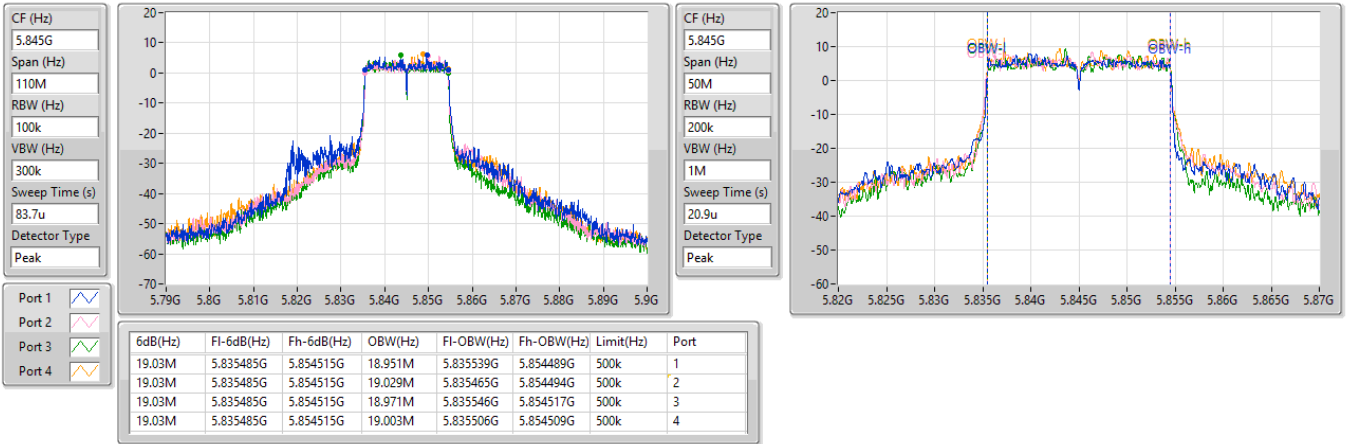

**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5885MHz**

02/12/2024

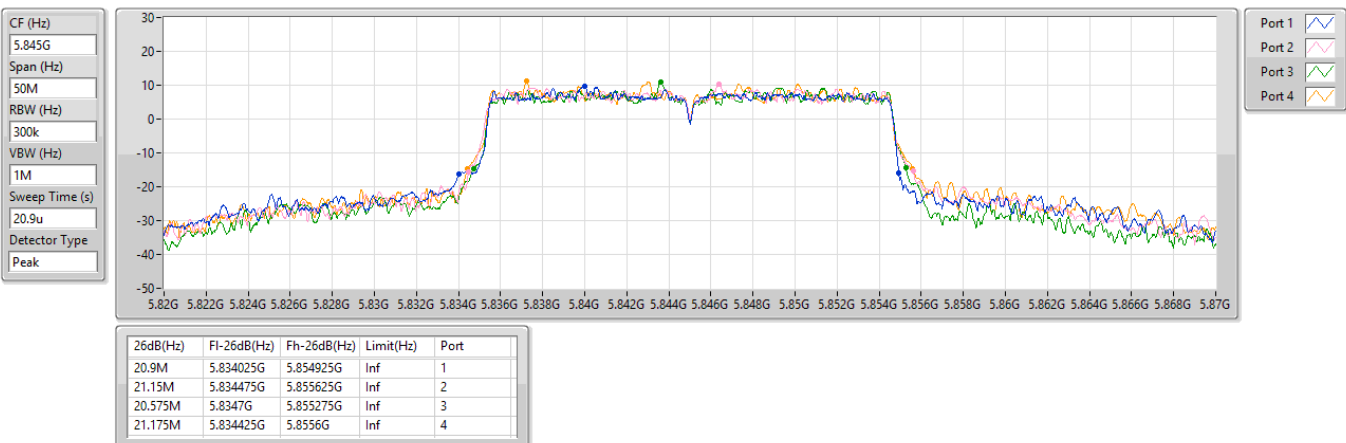


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5845MHz**

03/12/2024

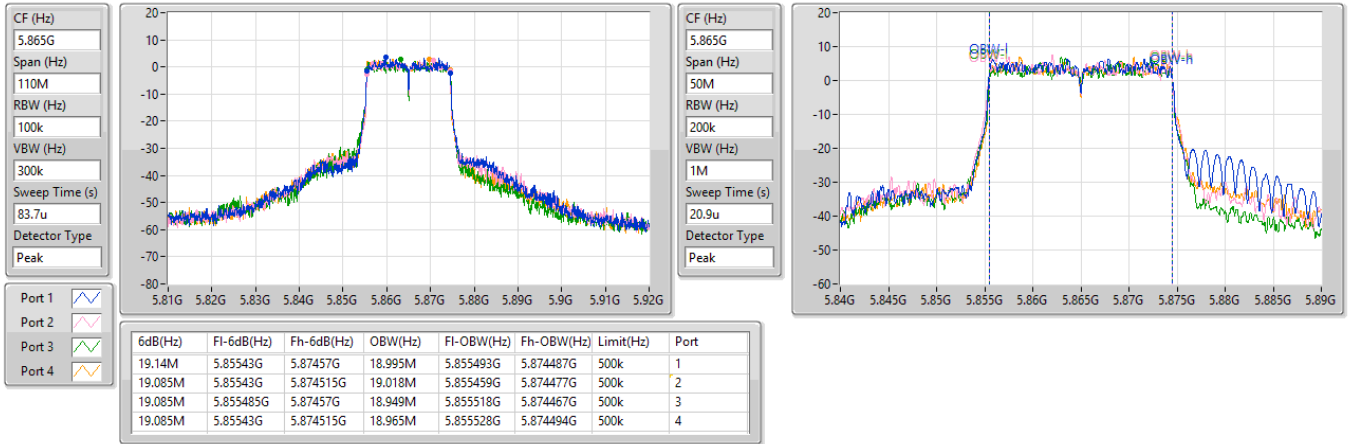

**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5845MHz**

03/12/2024



**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5865MHz**

03/12/2024


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5865MHz**

03/12/2024

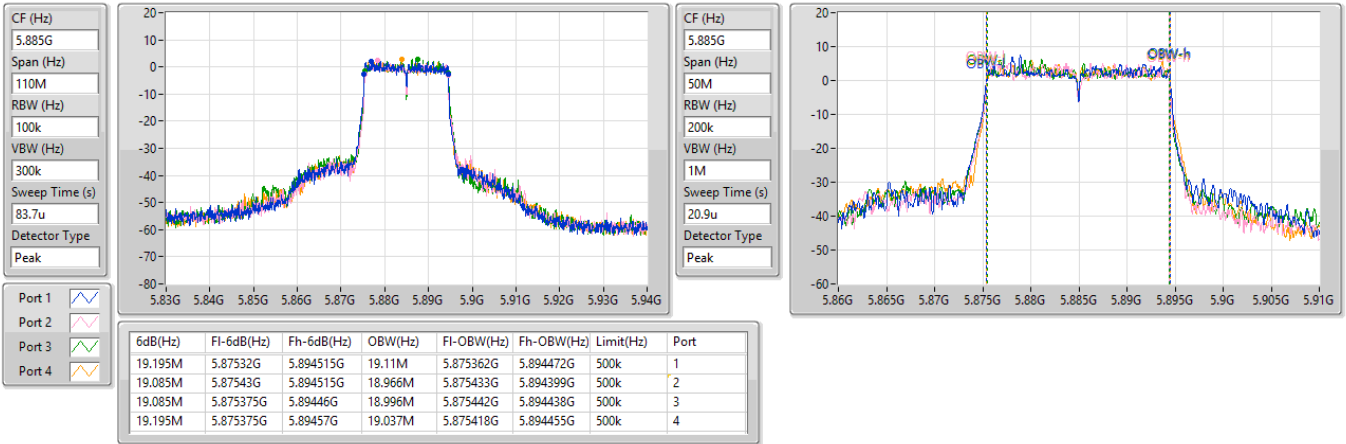


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

EBW

5885MHz

02/12/2024



5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

EBW

5885MHz

02/12/2024

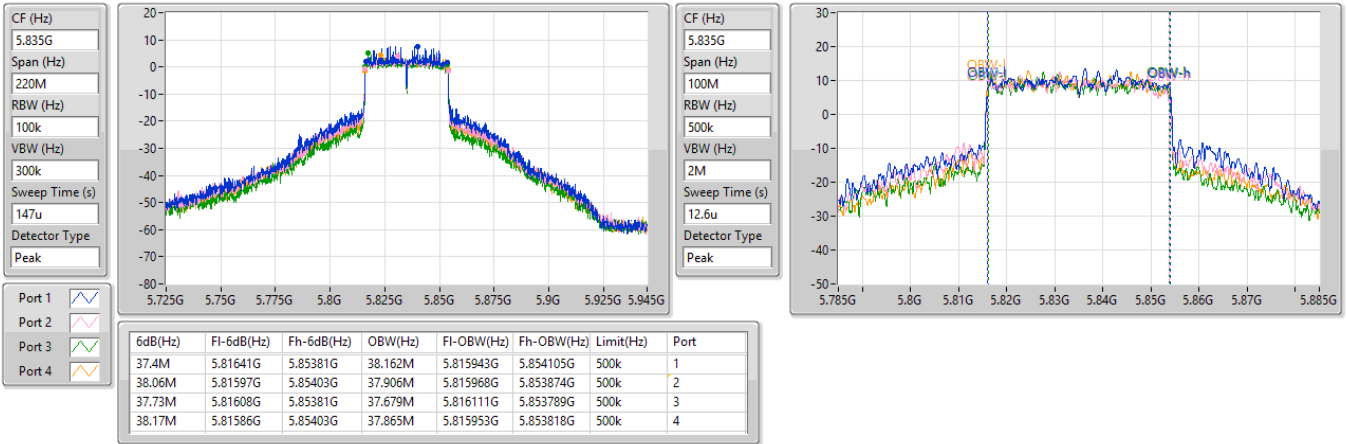


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

EBW

5835MHz

03/12/2024

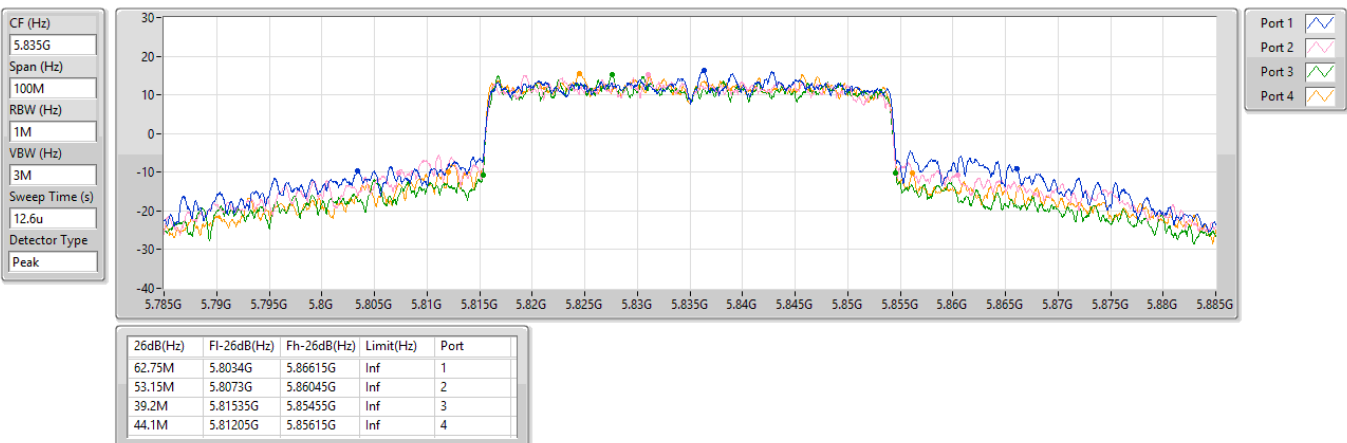


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

EBW

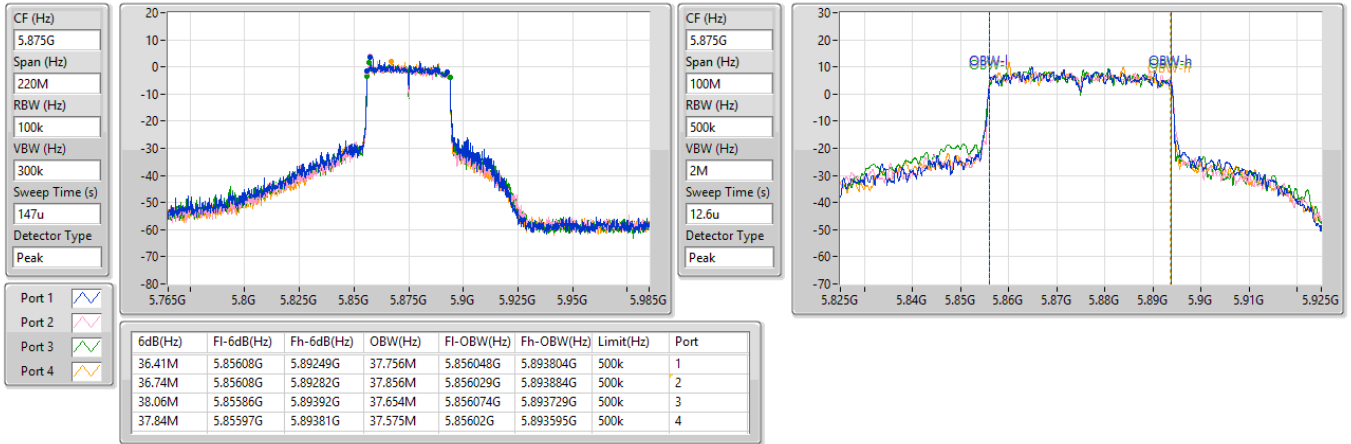
5835MHz

03/12/2024

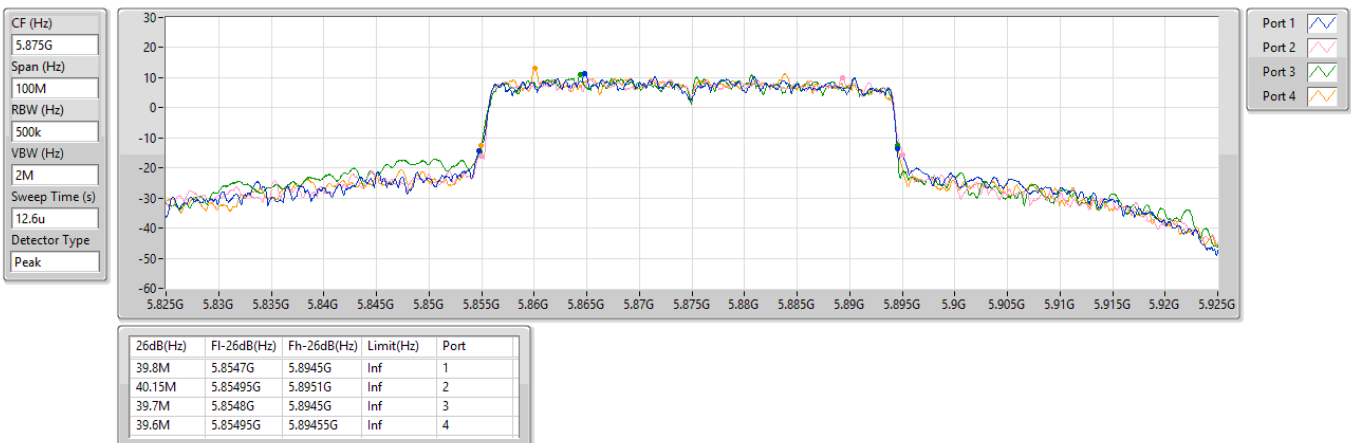


**5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX**
**EBW**
**5875MHz**

02/12/2024


**5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX**
**EBW**
**5875MHz**

02/12/2024

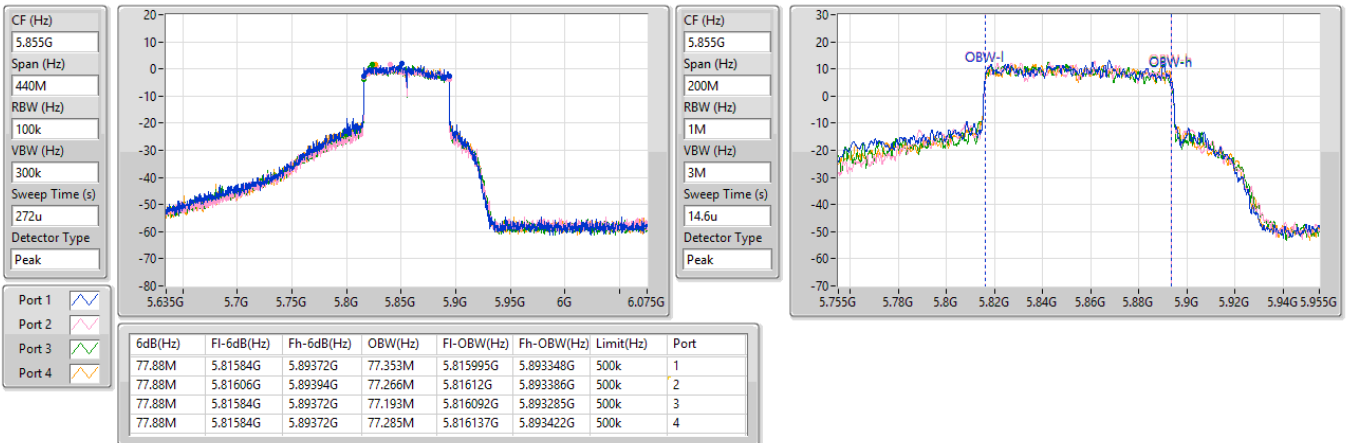


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_4TX

EBW

5855MHz

02/12/2024



5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_4TX

EBW

5855MHz

02/12/2024

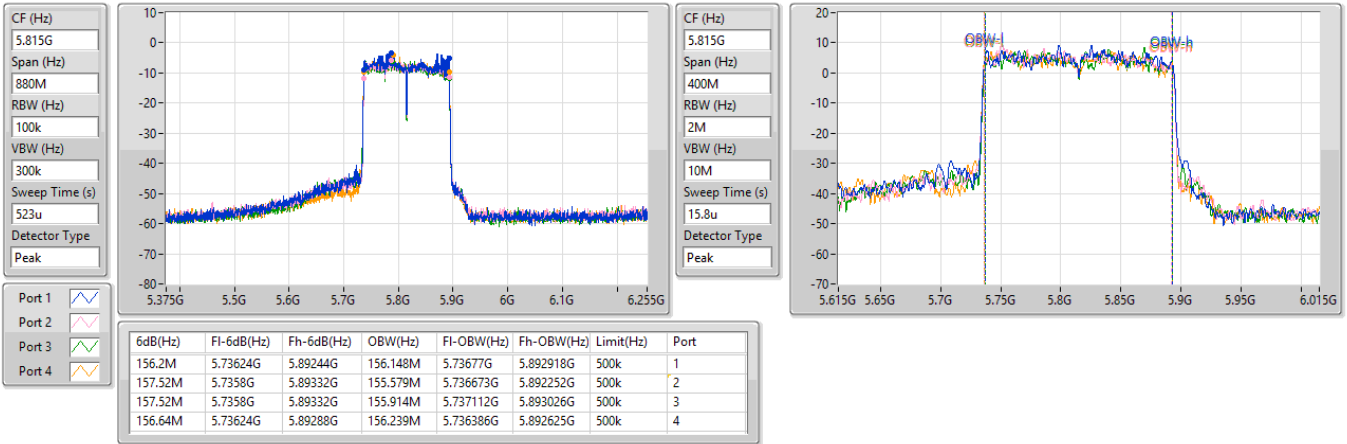


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_4TX

EBW

5815MHz

02/12/2024

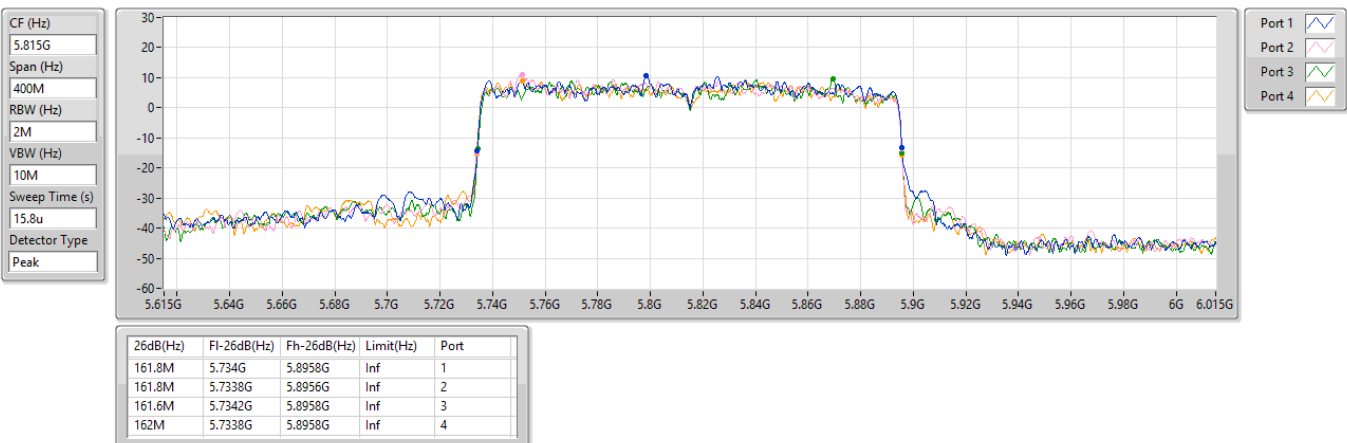


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_4TX

EBW

5815MHz

02/12/2024



Test Mode: Mode 2

**Summary**

| Mode                            | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.725-5.895GHz                  | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 16.335M          | 17.501M         | 17M5D1D  | 16.335M          | 16.965M         |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | 18.975M          | 21.838M         | 21M8D1D  | 18.81M           | 19.499M         |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | 37.73M           | 42.099M         | 42M1D1D  | 37.51M           | 39.876M         |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | 77.66M           | 77.46M          | 77M5D1D  | 77.66M           | 77.438M         |
| 802.11be EHT160_Nss1,(MCS0)_2TX | 157.08M          | 156.532M        | 157MD1D  | 156.64M          | 156.407M        |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

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) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -             | -                   | -                  | -                   | -                  |
| 5845MHz                         | Pass   | 500k          | 16.335M             | 17.451M            | 16.335M             | 16.975M            |
| 5865MHz                         | Pass   | 500k          | 16.335M             | 17.276M            | 16.335M             | 16.965M            |
| 5885MHz                         | Pass   | 500k          | 16.335M             | 17.501M            | 16.335M             | 16.987M            |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5845MHz                         | Pass   | 500k          | 18.92M              | 21.838M            | 18.81M              | 20.043M            |
| 5865MHz                         | Pass   | 500k          | 18.81M              | 20.563M            | 18.865M             | 19.499M            |
| 5885MHz                         | Pass   | 500k          | 18.975M             | 20.053M            | 18.81M              | 19.532M            |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5835MHz                         | Pass   | 500k          | 37.73M              | 42.099M            | 37.73M              | 41.641M            |
| 5875MHz                         | Pass   | 500k          | 37.51M              | 40.85M             | 37.62M              | 39.876M            |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5855MHz                         | Pass   | 500k          | 77.66M              | 77.46M             | 77.66M              | 77.438M            |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 5815MHz                         | Pass   | 500k          | 156.64M             | 156.407M           | 157.08M             | 156.532M           |

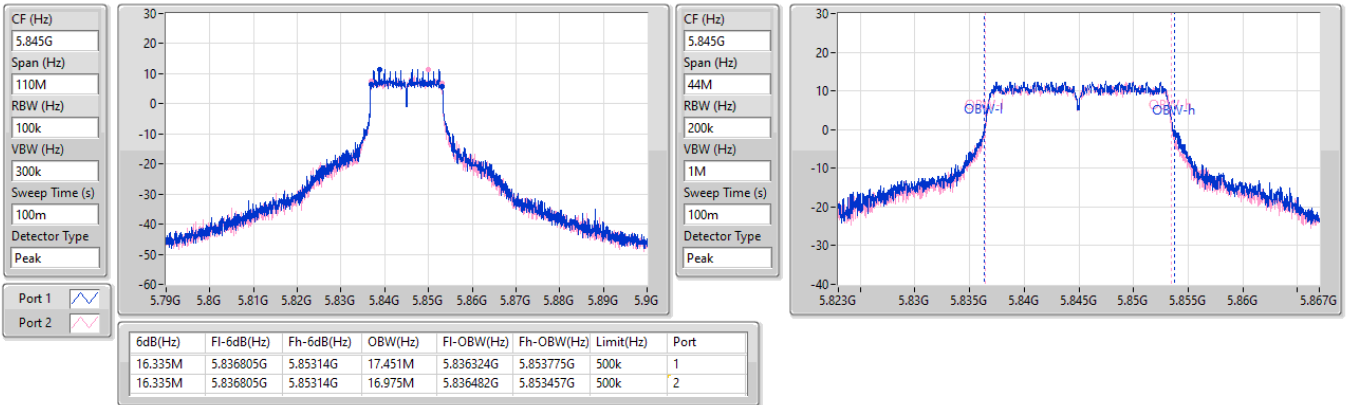
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5845MHz

11/11/2024

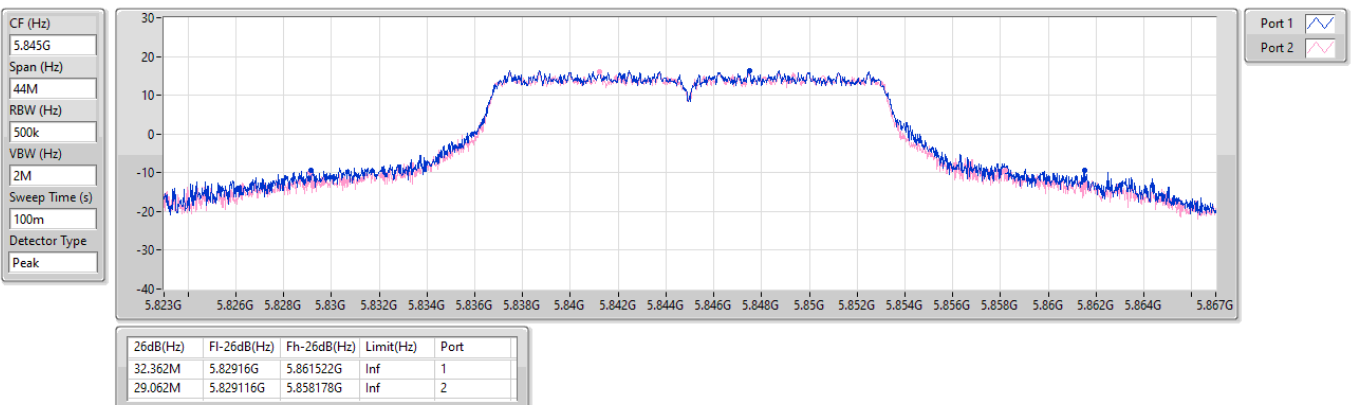


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

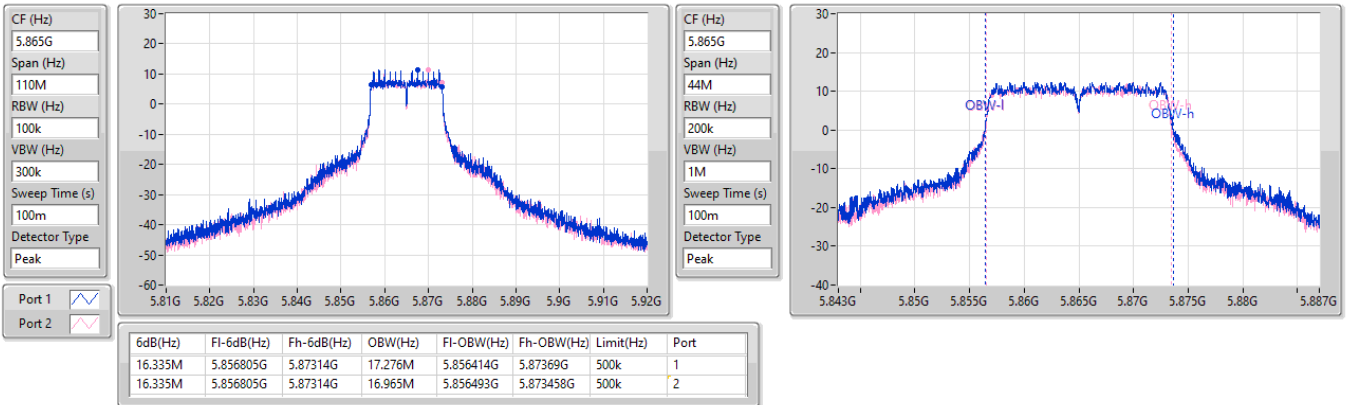
5845MHz

11/11/2024

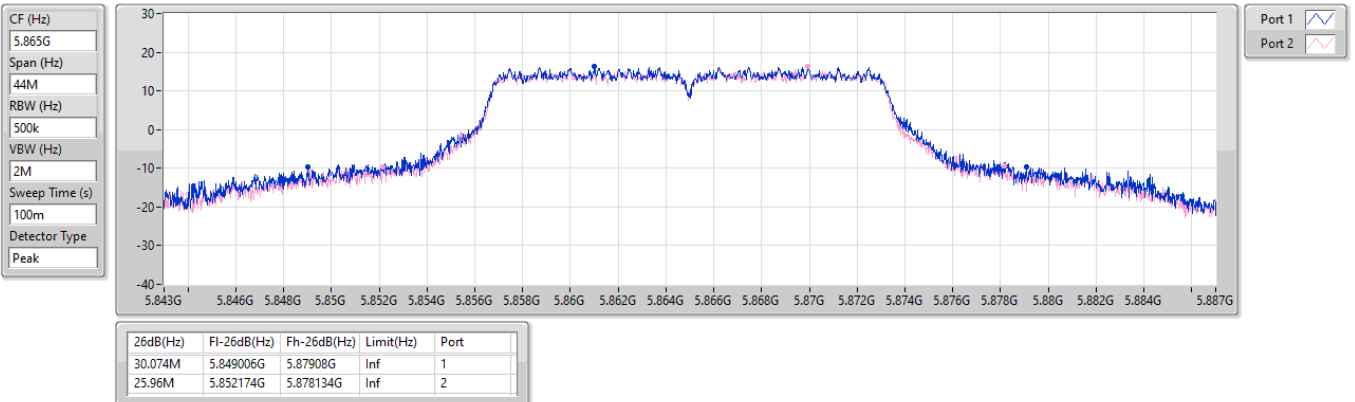


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5865MHz**

11/11/2024


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5865MHz**

11/11/2024

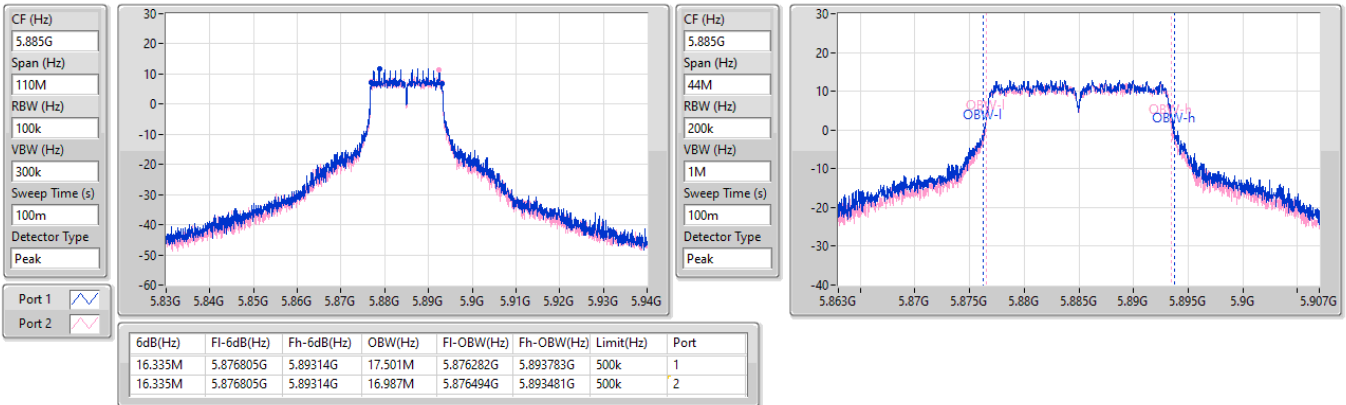


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5885MHz

11/11/2024

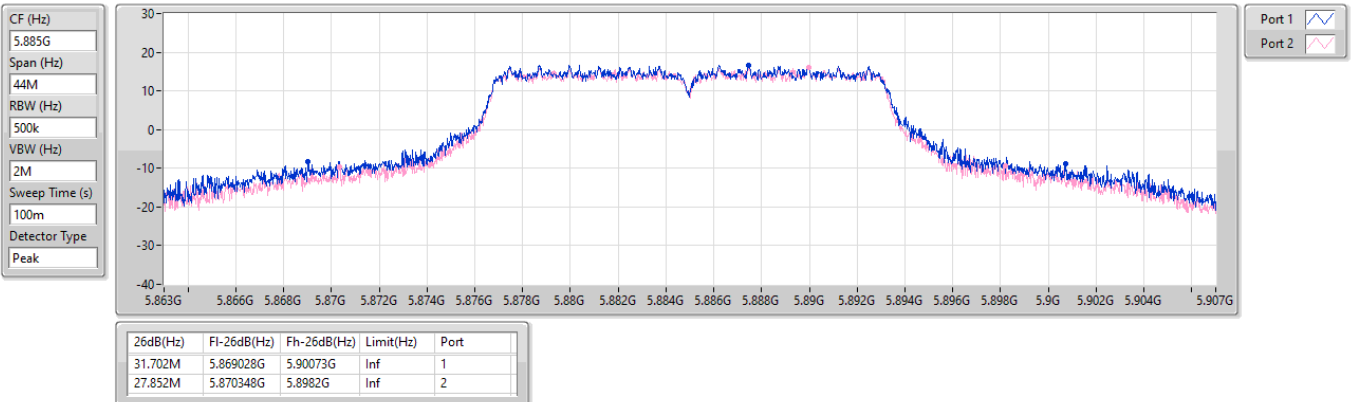


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5885MHz

11/11/2024

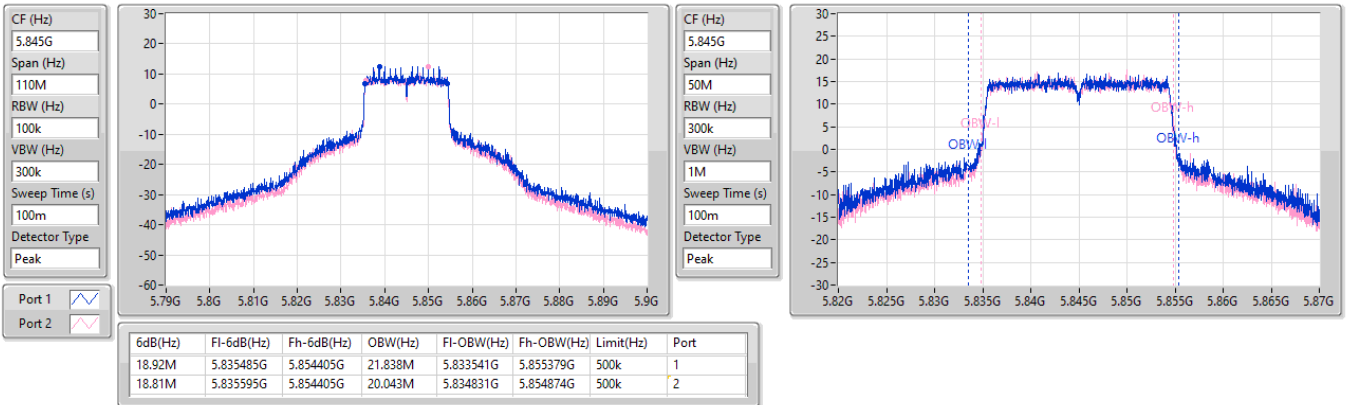


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

5845MHz

11/11/2024

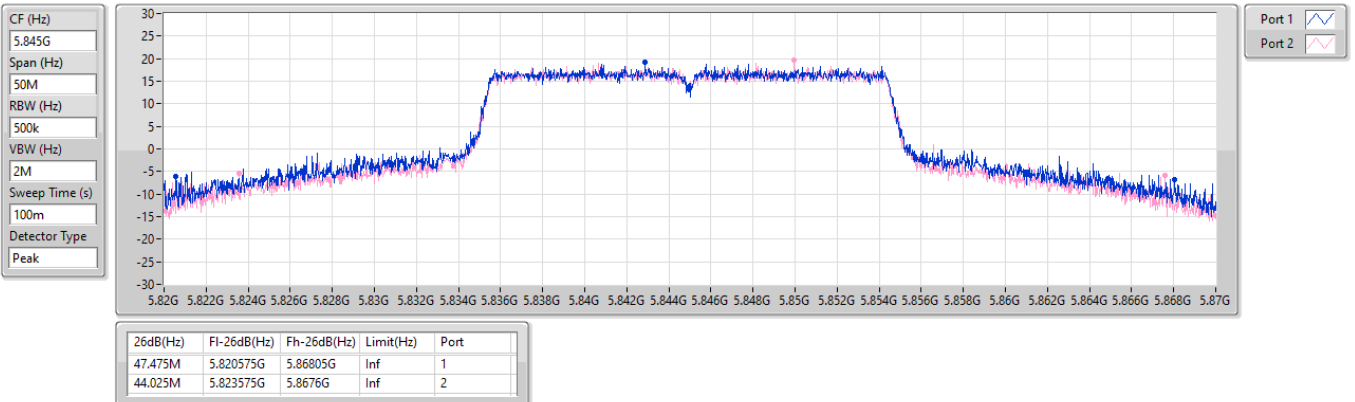


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

5845MHz

11/11/2024

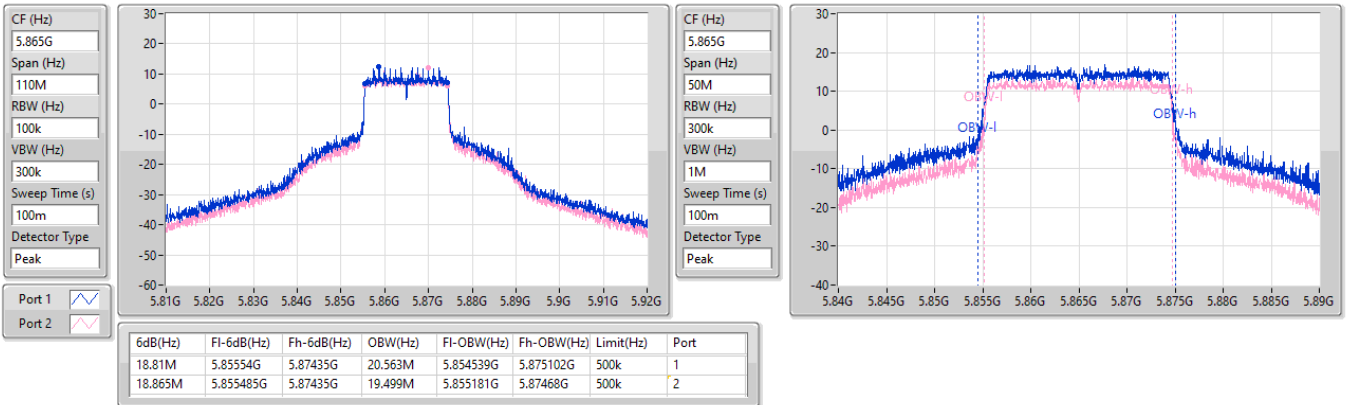


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

5865MHz

11/11/2024

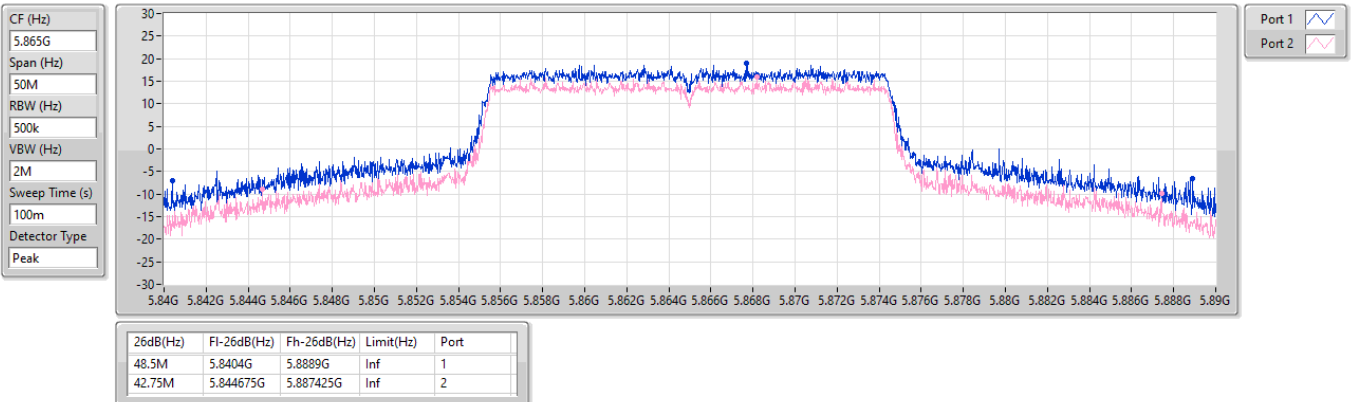


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

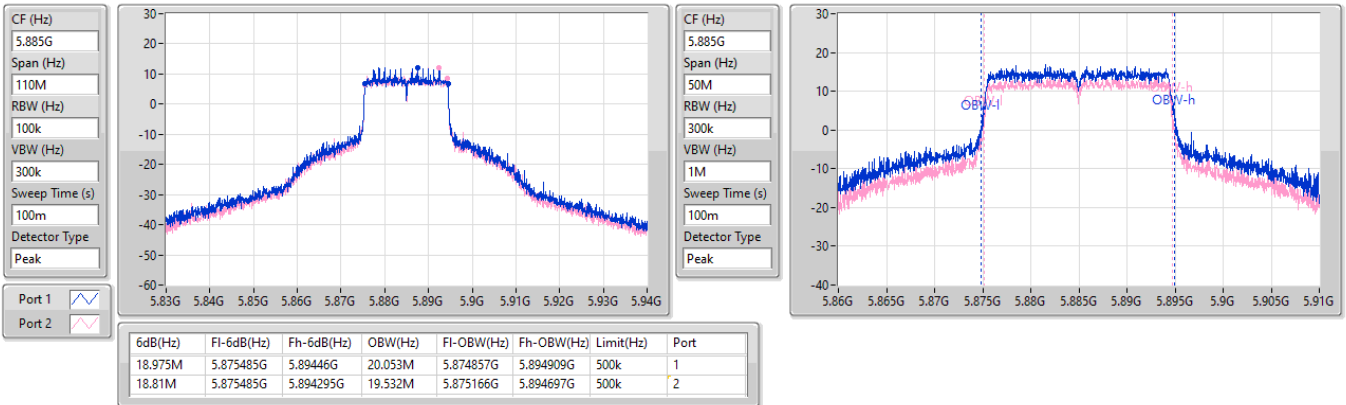
5865MHz

11/11/2024

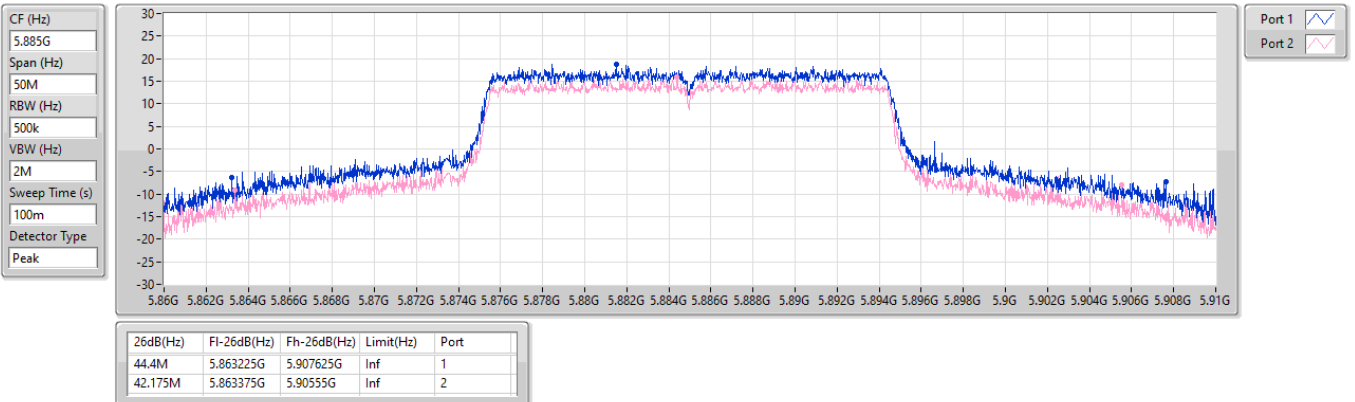


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**5885MHz**

11/11/2024

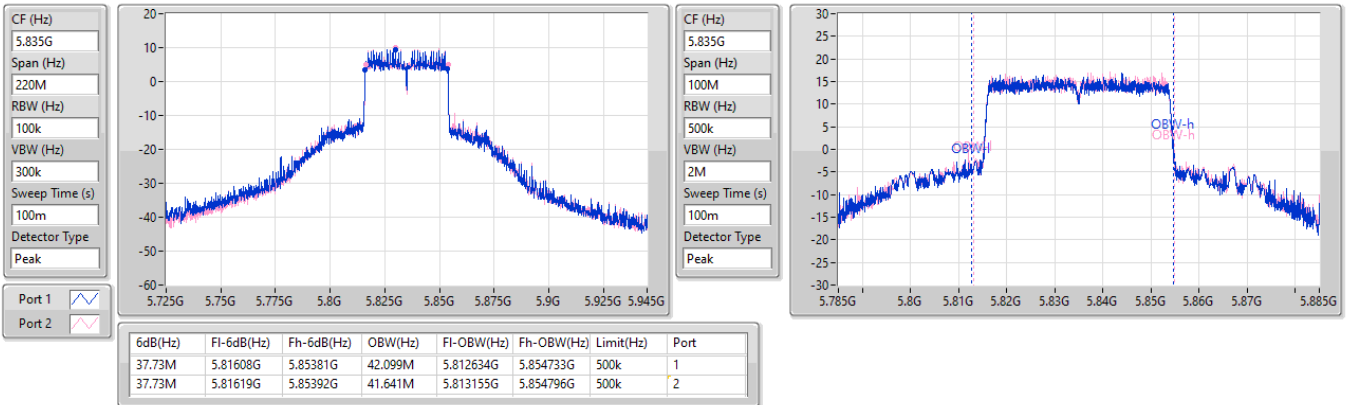

**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**5885MHz**

11/11/2024

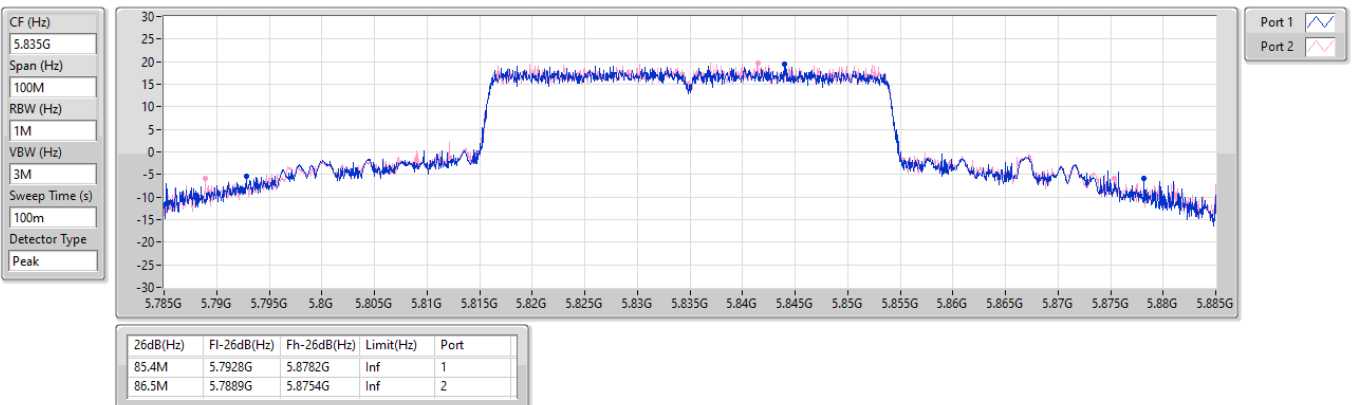


**5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**5835MHz**

11/11/2024


**5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**5835MHz**

11/11/2024

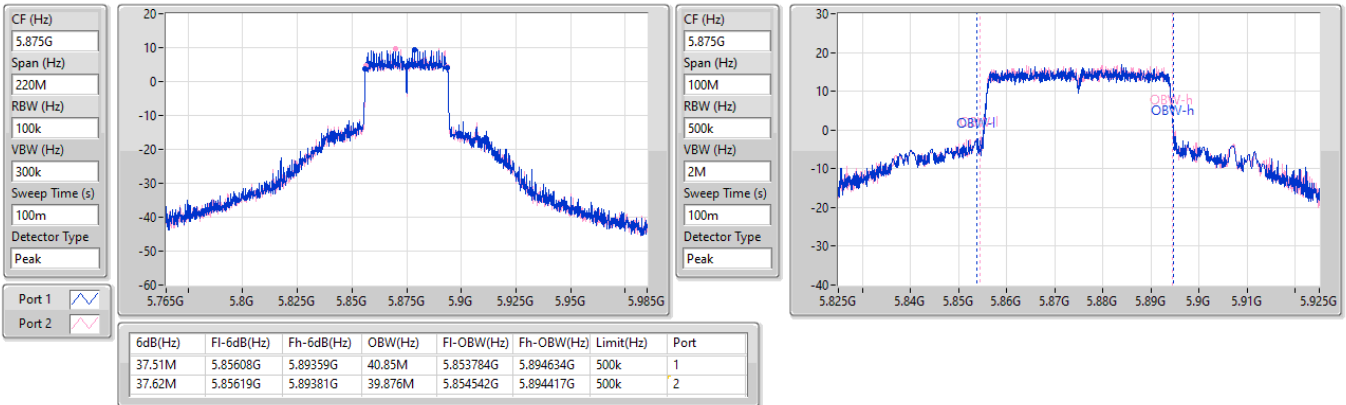


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

EBW

5875MHz

11/11/2024

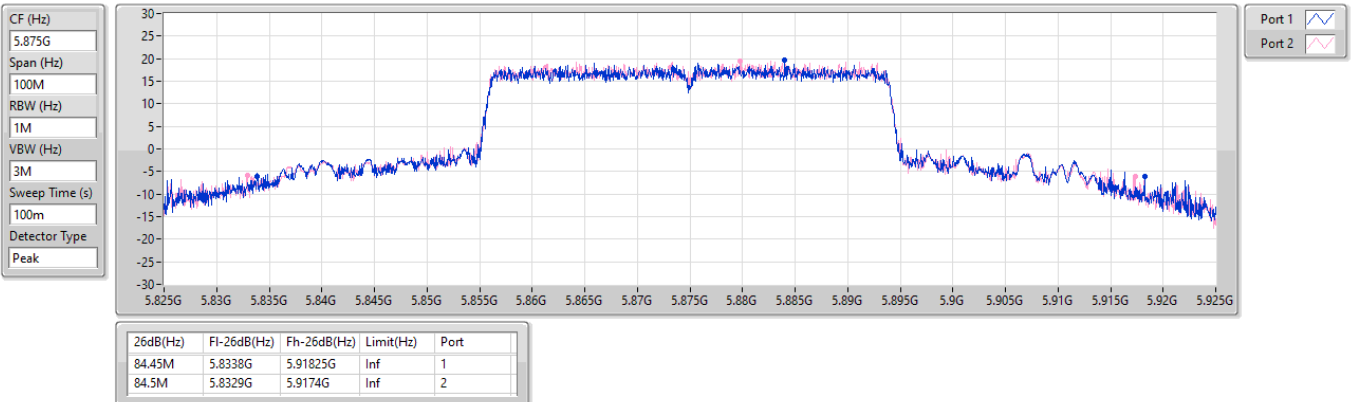


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

EBW

5875MHz

11/11/2024

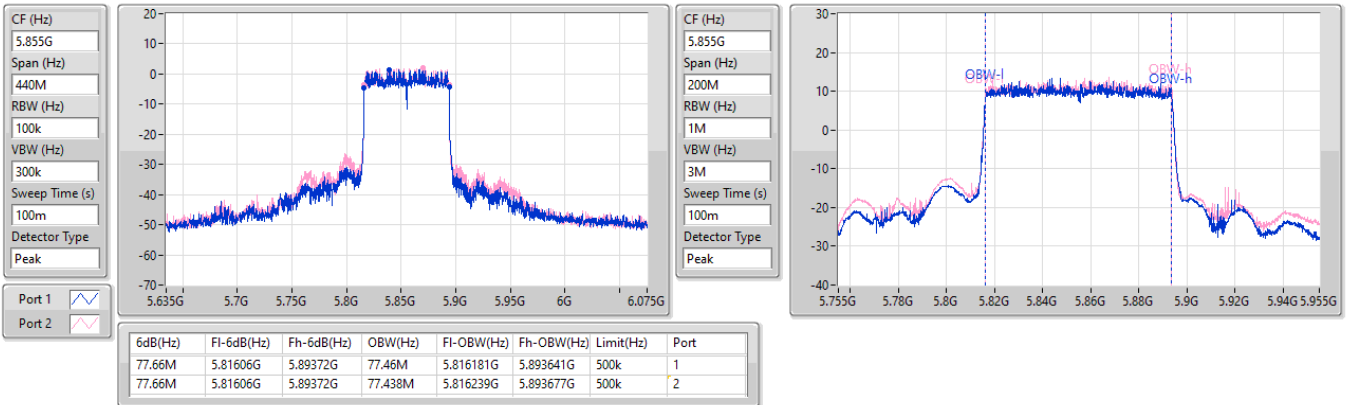


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

EBW

5855MHz

11/11/2024

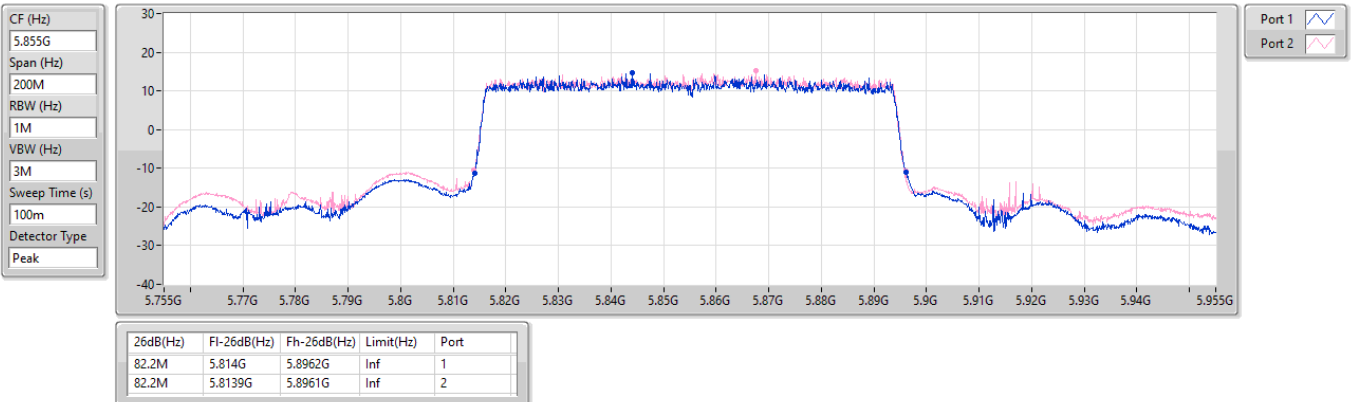


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

EBW

5855MHz

11/11/2024

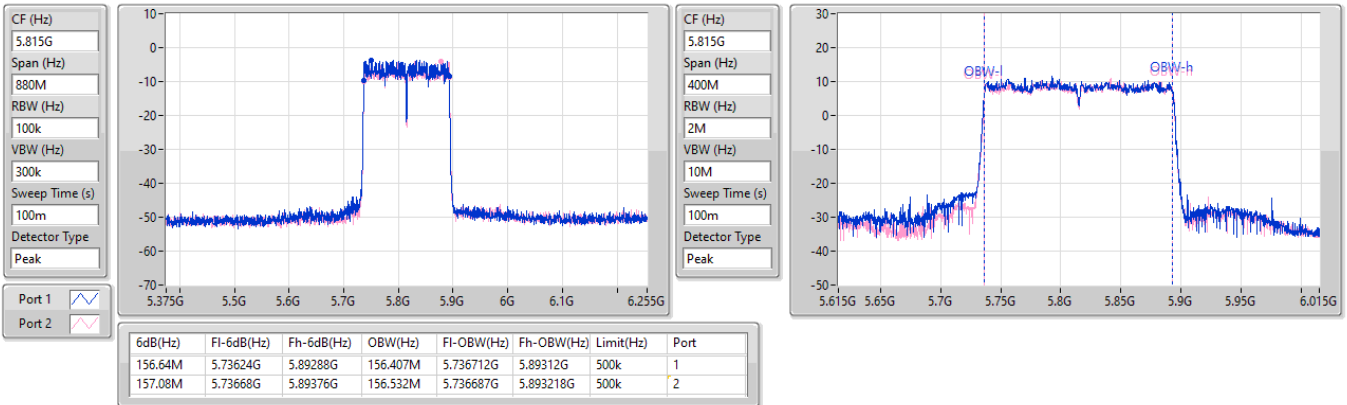


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

EBW

5815MHz

11/11/2024



5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

EBW

5815MHz

11/11/2024



## Test Mode: Mode 3

## Summary

| Mode                            | Max-N dB | Max-OBW  | ITU-Code | Min-N dB | Min-OBW  |
|---------------------------------|----------|----------|----------|----------|----------|
|                                 | (Hz)     | (Hz)     |          | (Hz)     | (Hz)     |
| 5.725-5.895GHz                  | -        | -        | -        | -        | -        |
| 802.11a_Nss1,(6Mbps)_4TX        | 16.555M  | 16.88M   | 16M9D1D  | 16.5M    | 16.441M  |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | 19.25M   | 19.156M  | 19M2D1D  | 18.645M  | 18.927M  |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | 38.06M   | 38.01M   | 38M0D1D  | 36.96M   | 37.785M  |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | 77.66M   | 77.606M  | 77M6D1D  | 77.22M   | 77.162M  |
| 802.11be EHT160_Nss1,(MCS0)_4TX | 157.96M  | 155.964M | 156MD1D  | 154.88M  | 155.541M |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth

**Result**

| Mode                            | Result | Limit | Port 1-N dB | Port 1-OBW | Port 2-N dB | Port 2-OBW | Port 3-N dB | Port 3-OBW | Port 4-N dB | Port 4-OBW |
|---------------------------------|--------|-------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|
|                                 |        | (Hz)  | (Hz)        | (Hz)       | (Hz)        | (Hz)       | (Hz)        | (Hz)       | (Hz)        | (Hz)       |
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -     | -           | -          | -           | -          | -           | -          | -           | -          |
| 5845MHz                         | Pass   | 500k  | 16.555M     | 16.628M    | 16.5M       | 16.549M    | 16.555M     | 16.654M    | 16.555M     | 16.88M     |
| 5865MHz                         | Pass   | 500k  | 16.555M     | 16.557M    | 16.5M       | 16.441M    | 16.5M       | 16.526M    | 16.555M     | 16.746M    |
| 5885MHz                         | Pass   | 500k  | 16.5M       | 16.679M    | 16.555M     | 16.599M    | 16.5M       | 16.791M    | 16.5M       | 16.553M    |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | -      | -     | -           | -          | -           | -          | -           | -          | -           | -          |
| 5845MHz                         | Pass   | 500k  | 19.085M     | 19.011M    | 19.085M     | 19.156M    | 19.25M      | 18.966M    | 18.645M     | 19.039M    |
| 5865MHz                         | Pass   | 500k  | 19.085M     | 19.004M    | 19.14M      | 18.972M    | 19.195M     | 18.996M    | 19.25M      | 18.927M    |
| 5885MHz                         | Pass   | 500k  | 19.25M      | 18.968M    | 19.14M      | 19.011M    | 19.14M      | 19.029M    | 19.085M     | 18.993M    |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | -      | -     | -           | -          | -           | -          | -           | -          | -           | -          |
| 5835MHz                         | Pass   | 500k  | 38.06M      | 37.843M    | 38.06M      | 37.996M    | 37.51M      | 37.982M    | 36.96M      | 37.785M    |
| 5875MHz                         | Pass   | 500k  | 37.84M      | 37.799M    | 37.95M      | 37.881M    | 37.95M      | 38.01M     | 37.95M      | 37.8M      |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | -      | -     | -           | -          | -           | -          | -           | -          | -           | -          |
| 5855MHz                         | Pass   | 500k  | 77.22M      | 77.461M    | 77.44M      | 77.162M    | 77.22M      | 77.363M    | 77.66M      | 77.606M    |
| 802.11be EHT160_Nss1,(MCS0)_4TX | -      | -     | -           | -          | -           | -          | -           | -          | -           | -          |
| 5815MHz                         | Pass   | 500k  | 157.08M     | 155.541M   | 157.08M     | 155.841M   | 154.88M     | 155.964M   | 157.96M     | 155.667M   |

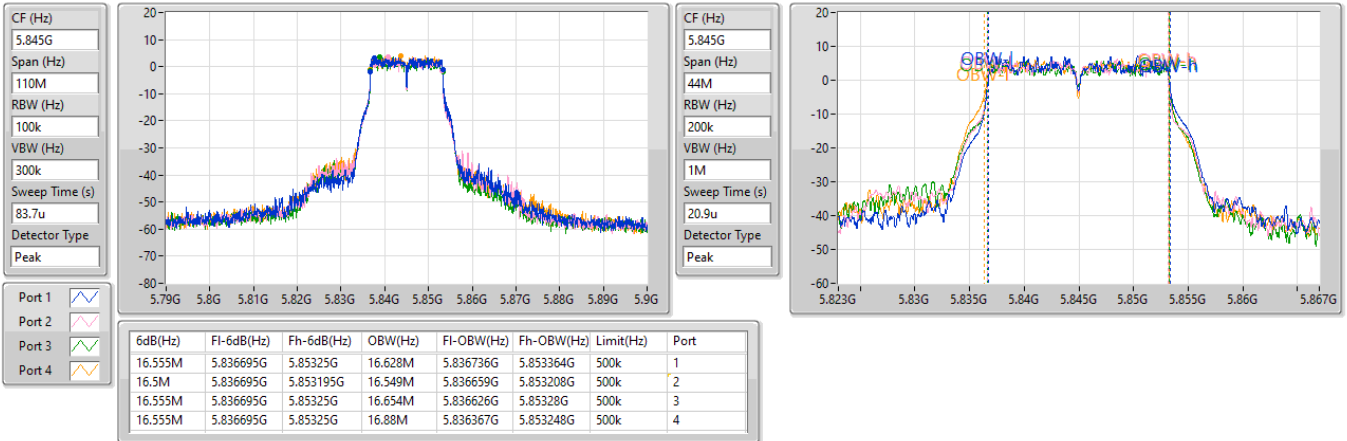
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5845MHz

10/12/2024

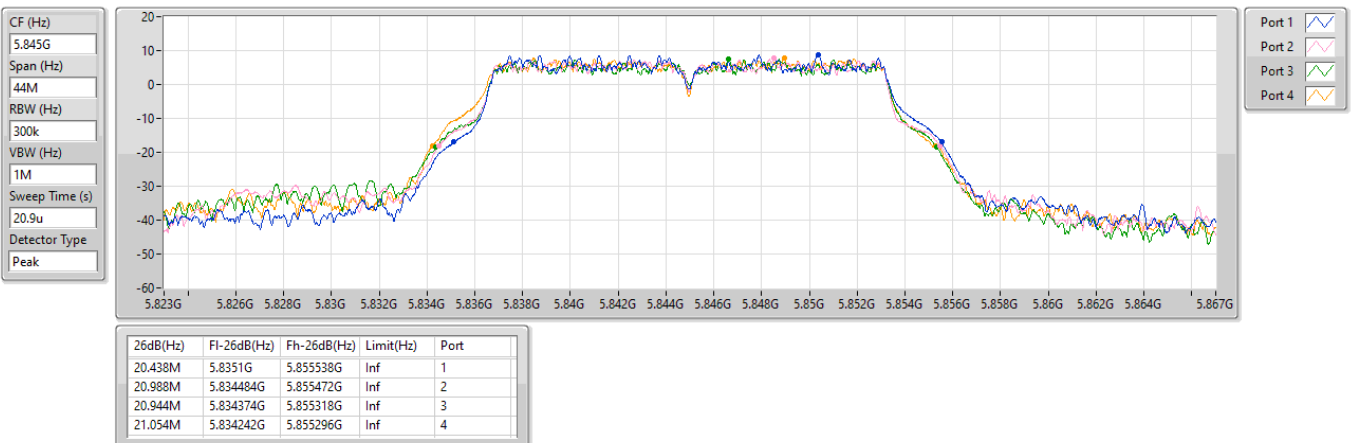


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5845MHz

10/12/2024

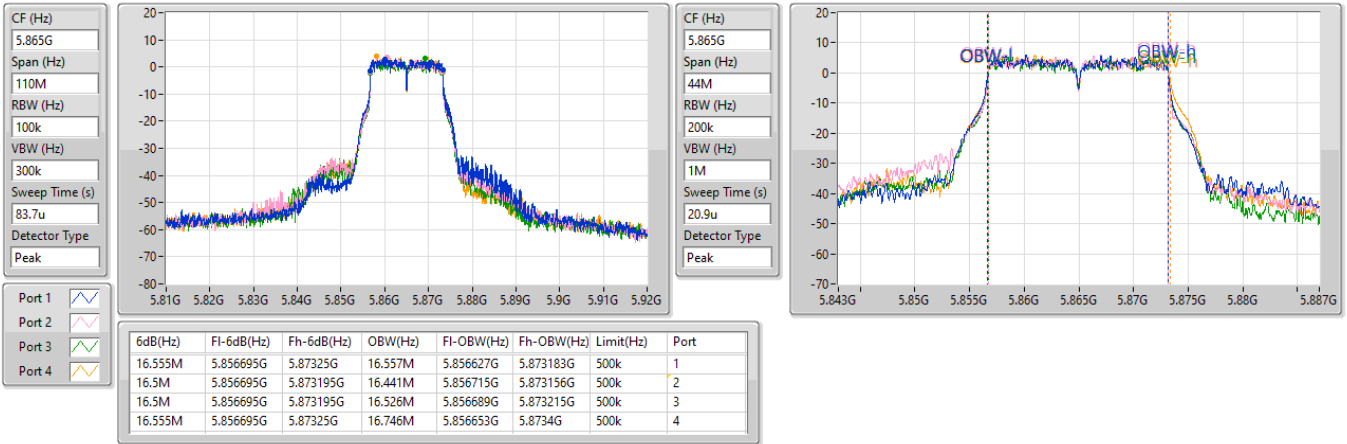


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5865MHz

10/12/2024

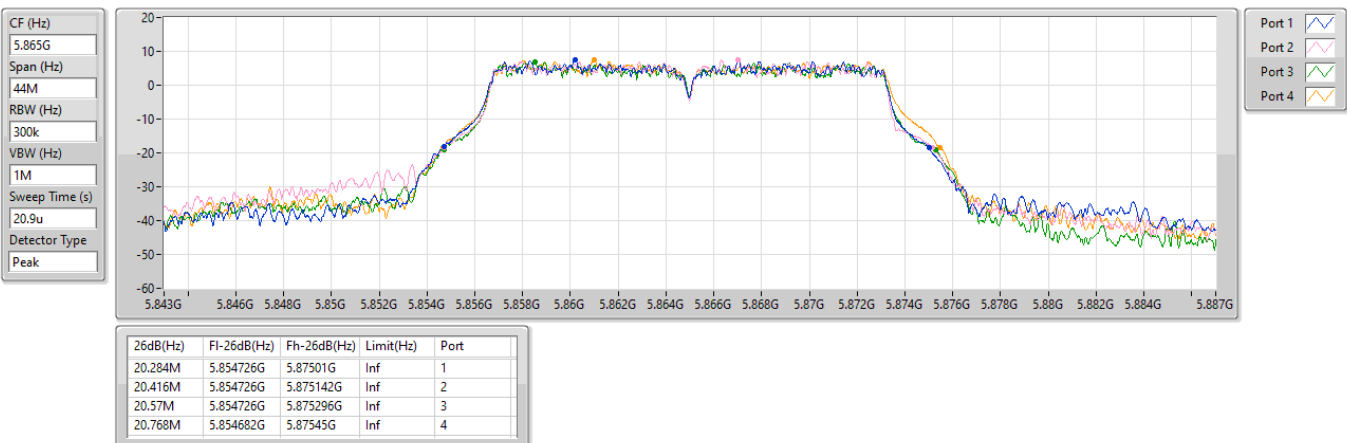


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

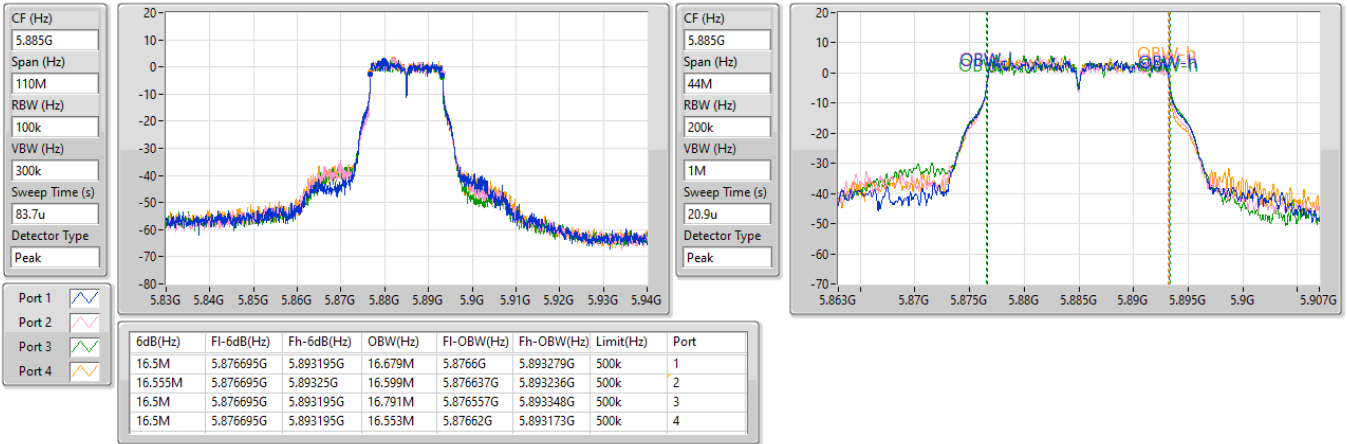
5865MHz

10/12/2024

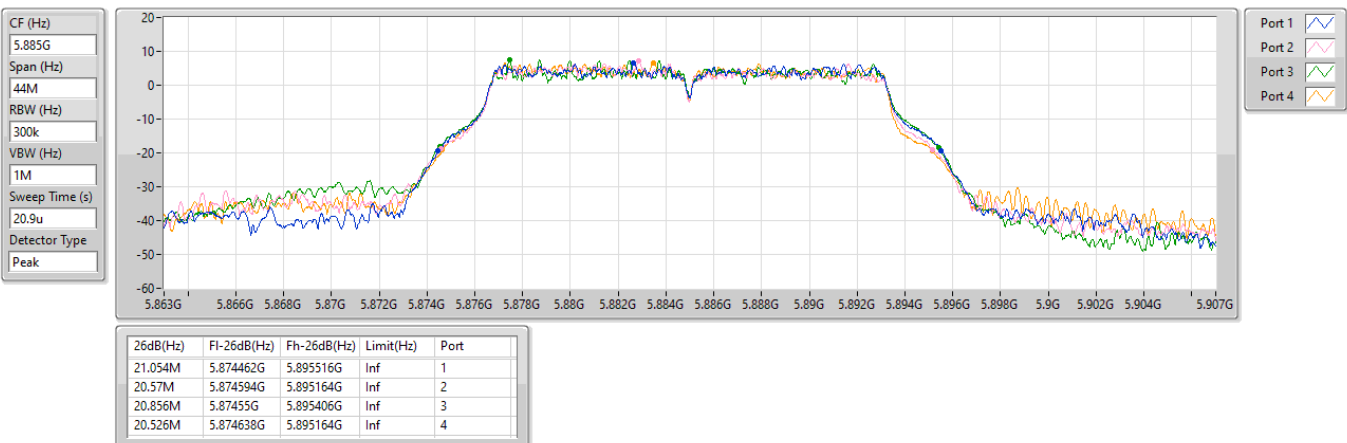


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5885MHz**

10/12/2024


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5885MHz**

10/12/2024

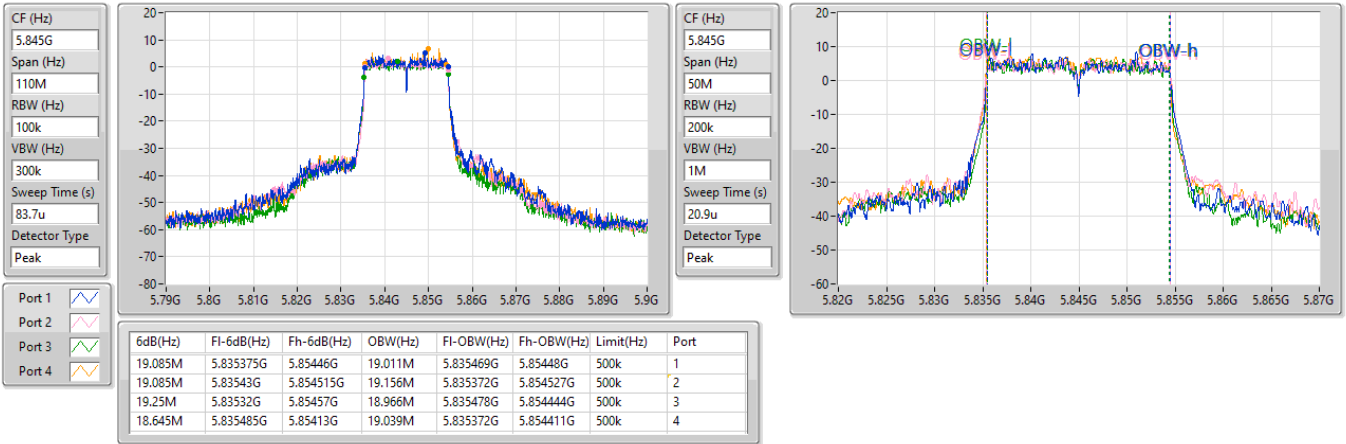


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

EBW

5845MHz

10/12/2024

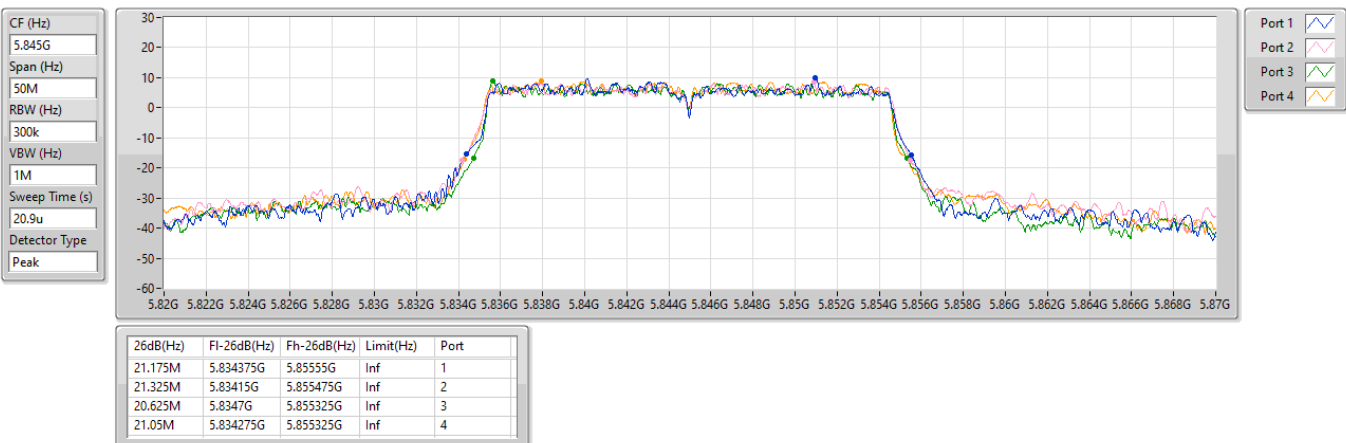


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

EBW

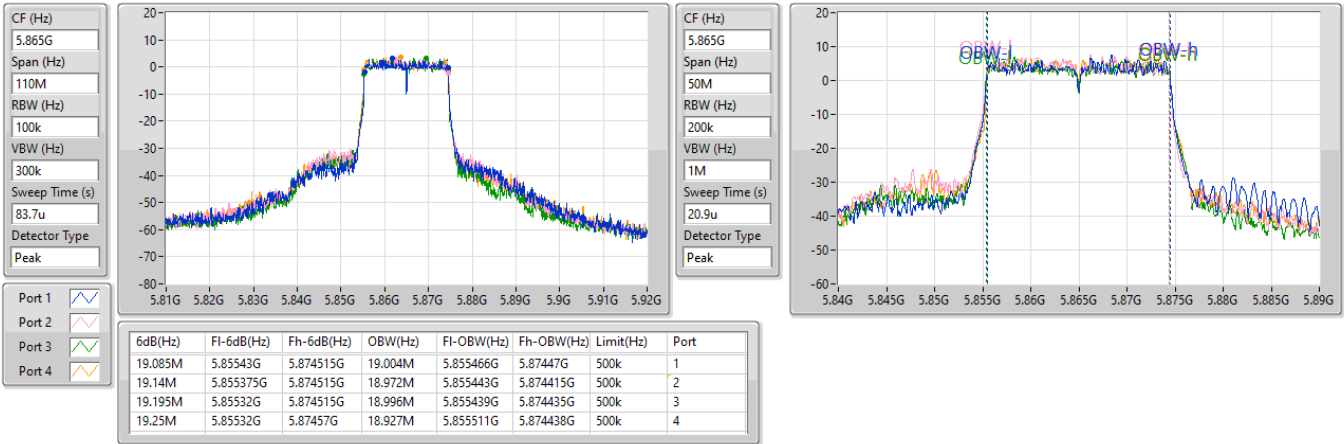
5845MHz

10/12/2024

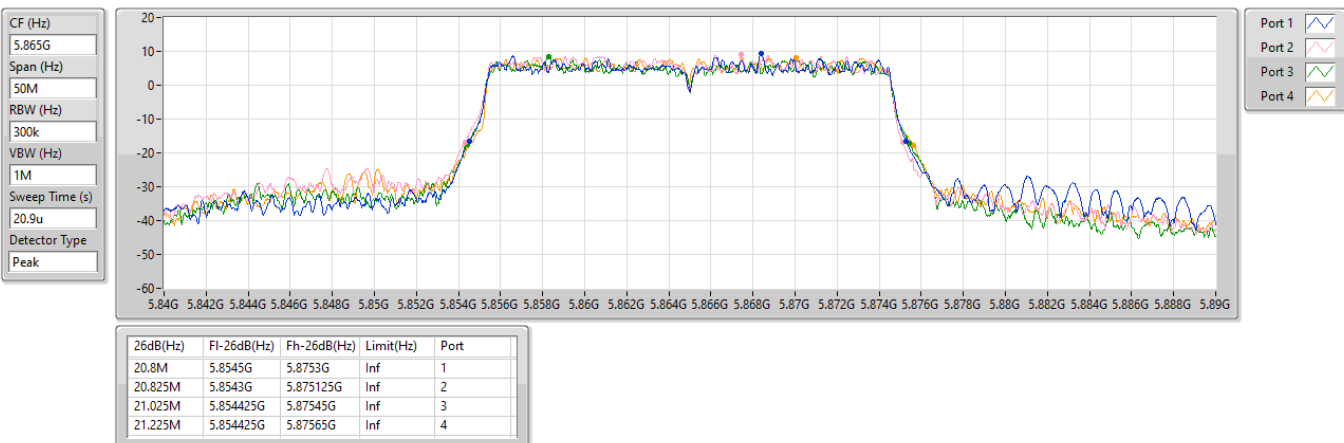


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5865MHz**

10/12/2024

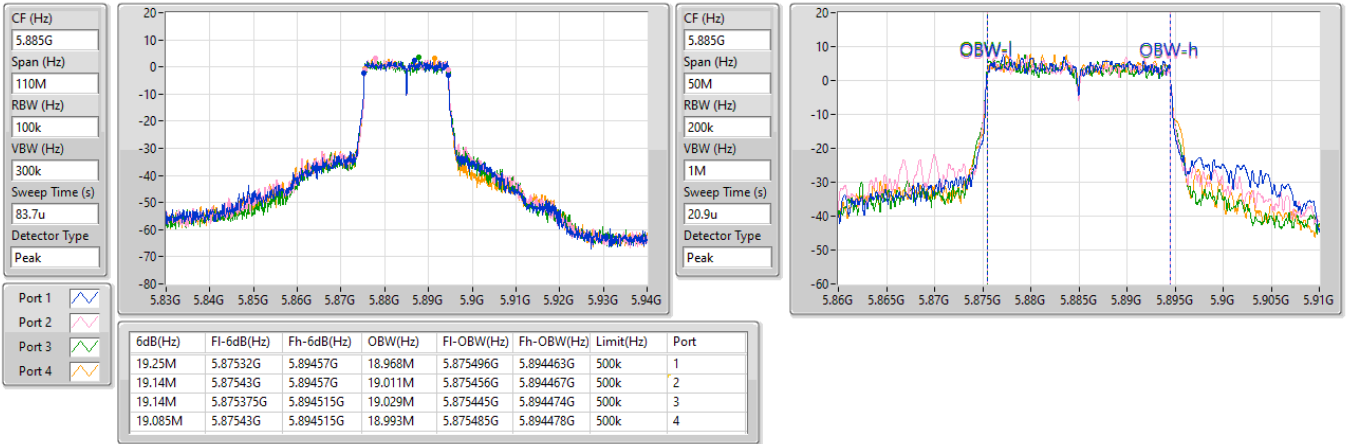

**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5865MHz**

10/12/2024

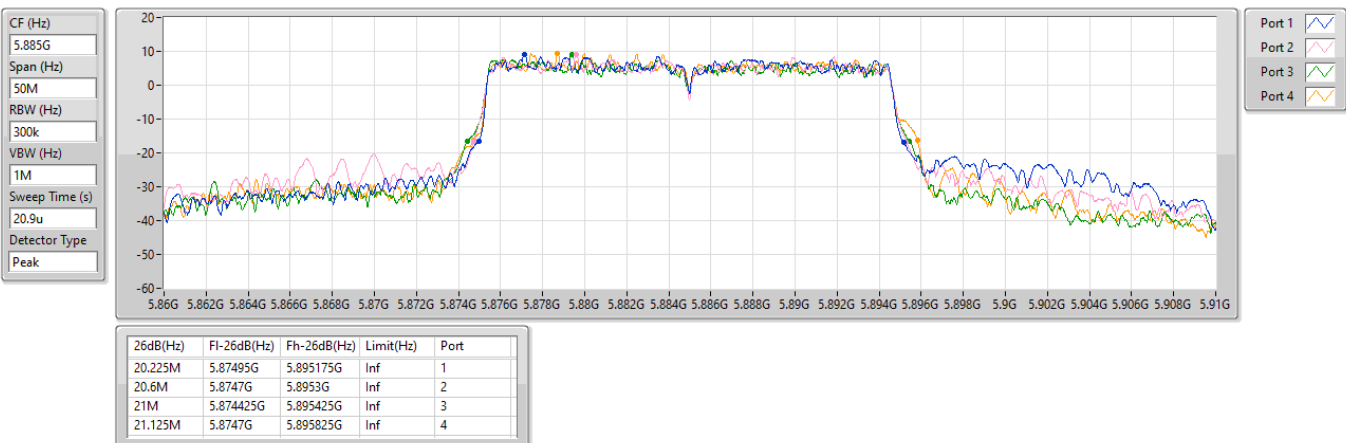


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5885MHz**

10/12/2024


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX**
**EBW**
**5885MHz**

10/12/2024

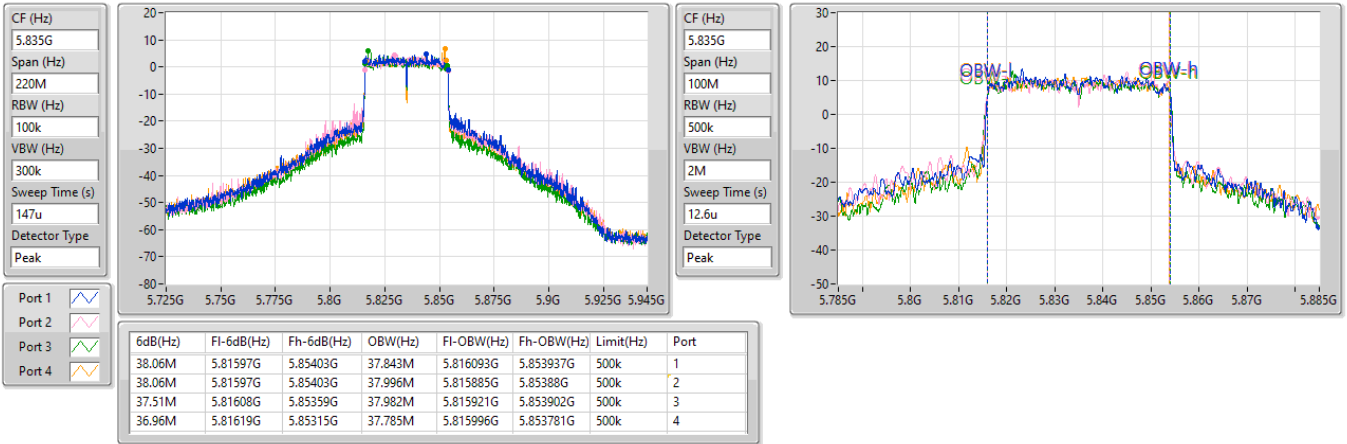


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

EBW

5835MHz

10/12/2024

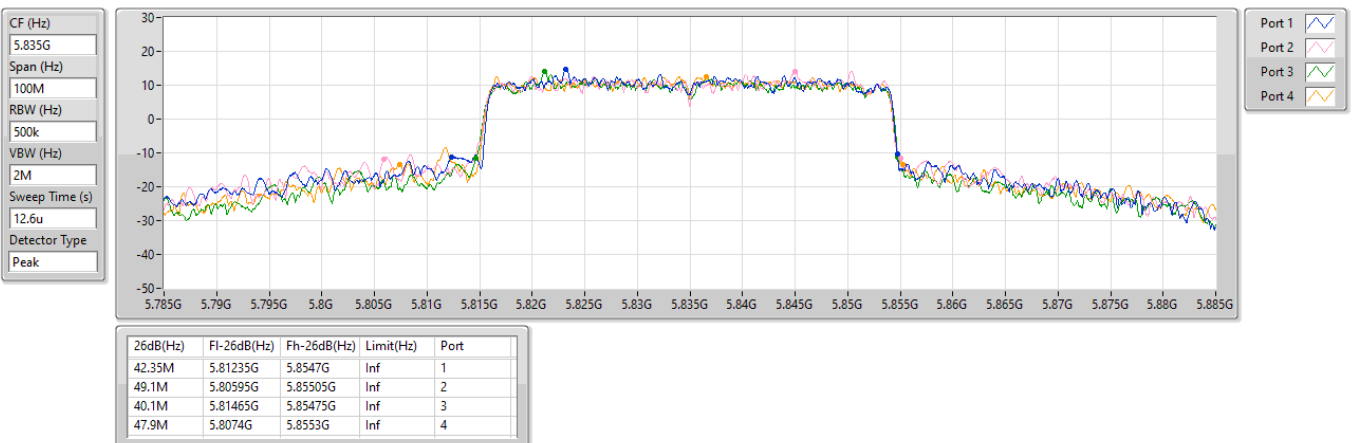


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

EBW

5835MHz

10/12/2024

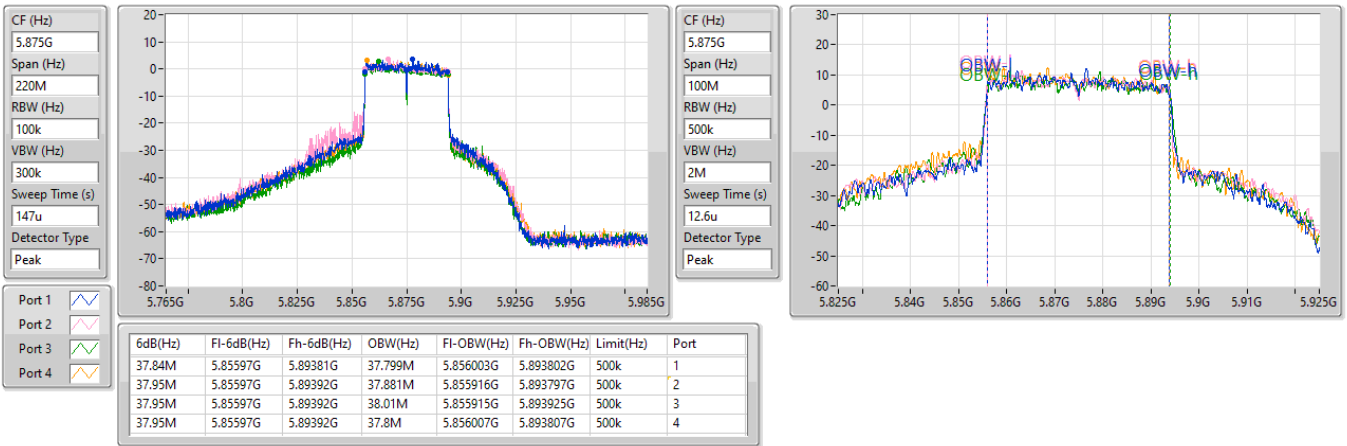


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

EBW

5875MHz

10/12/2024

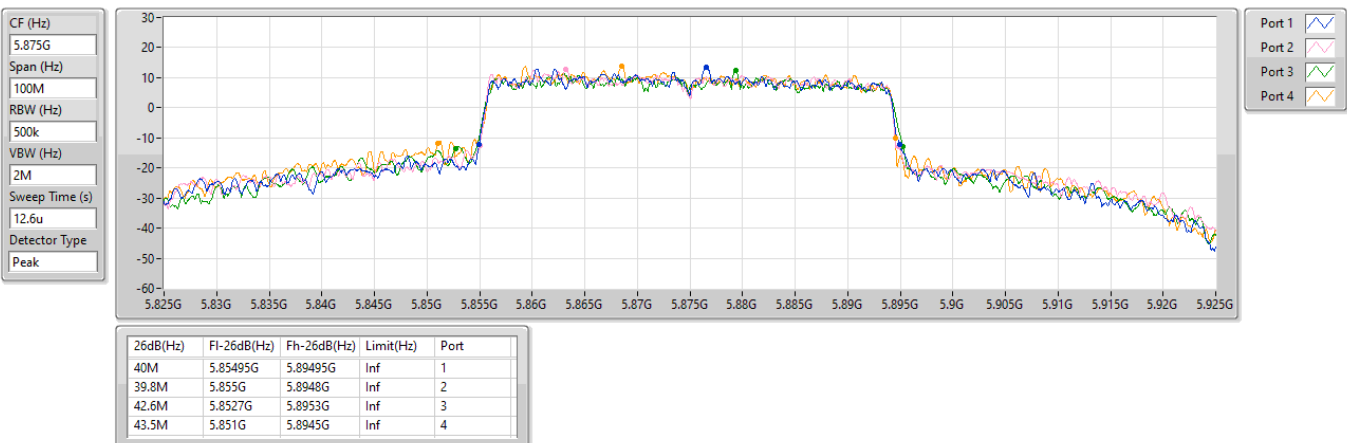


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

EBW

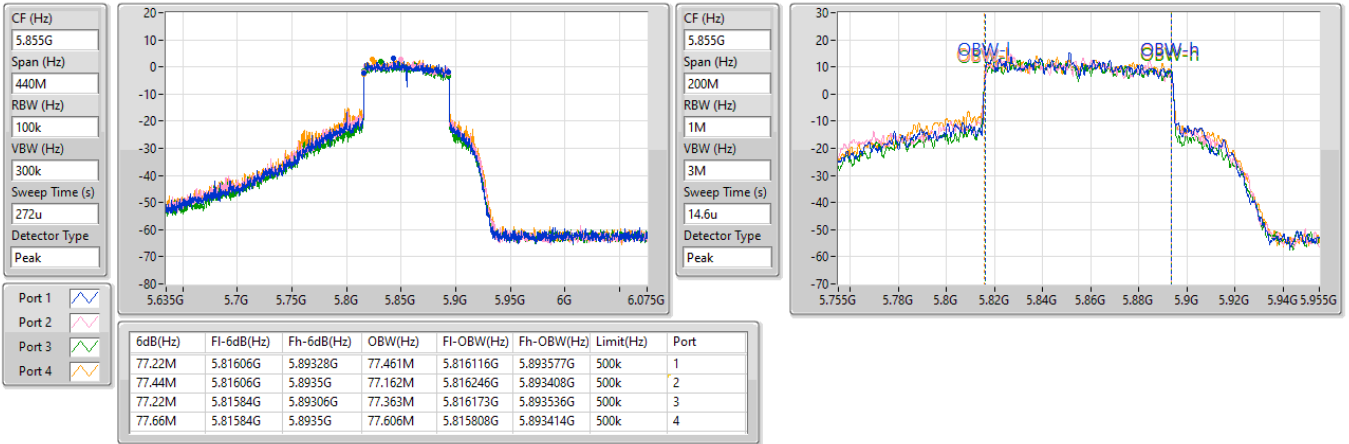
5875MHz

10/12/2024



**5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_4TX**
**EBW**
**5855MHz**

10/12/2024


**5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_4TX**
**EBW**
**5855MHz**

10/12/2024

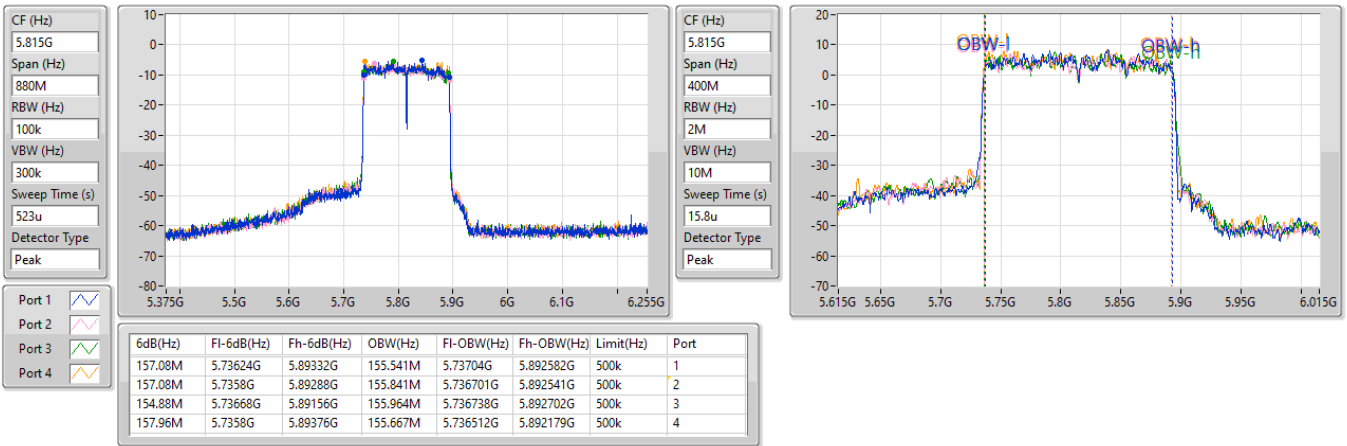


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_4TX

EBW

5815MHz

10/12/2024

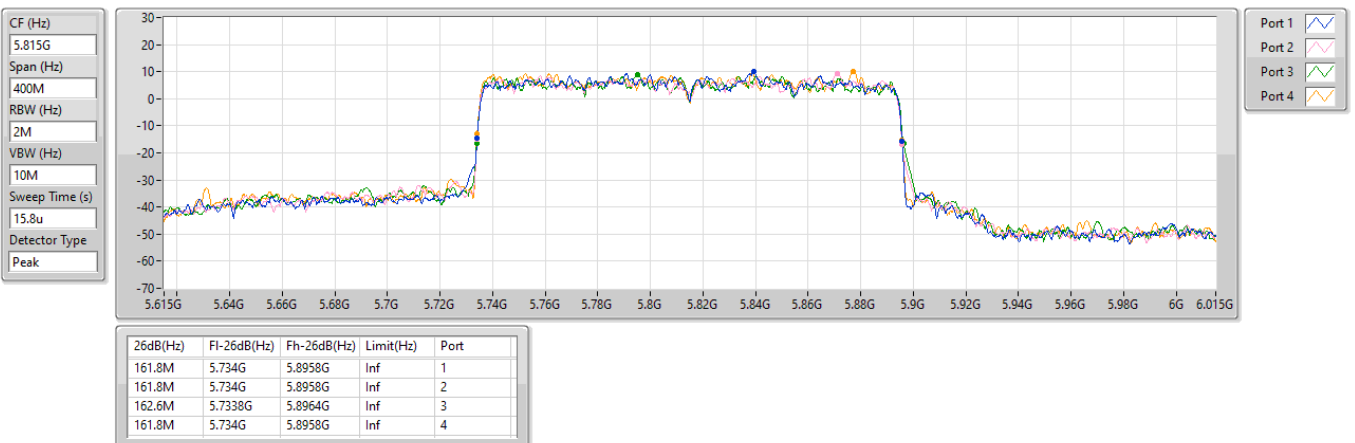


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_4TX

EBW

5815MHz

10/12/2024



Test Mode: Mode 4

**Summary**

| Mode                            | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.725-5.895GHz                  | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 16.335M          | 17.029M         | 17M0D1D  | 16.335M          | 16.719M         |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | 19.03M           | 19.275M         | 19M3D1D  | 18.92M           | 19.165M         |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | 37.73M           | 40.426M         | 40M4D1D  | 37.62M           | 38.7M           |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | 77.44M           | 77.39M          | 77M4D1D  | 77.22M           | 77.35M          |
| 802.11be EHT160_Nss1,(MCS0)_2TX | 157.08M          | 156.368M        | 156MD1D  | 156.64M          | 156.33M         |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Min-OBW = Minimum 99% occupied bandwidth

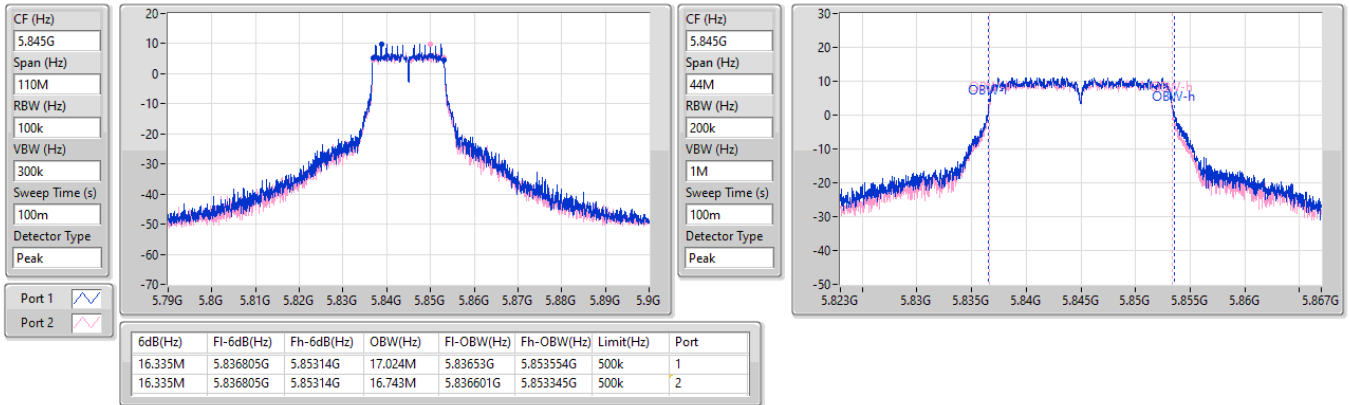
**Result**

| 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) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -             | -                   | -                  | -                   | -                  |
| 5845MHz                         | Pass   | 500k          | 16.335M             | 17.024M            | 16.335M             | 16.743M            |
| 5865MHz                         | Pass   | 500k          | 16.335M             | 17.029M            | 16.335M             | 16.744M            |
| 5885MHz                         | Pass   | 500k          | 16.335M             | 16.989M            | 16.335M             | 16.719M            |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5845MHz                         | Pass   | 500k          | 18.975M             | 19.275M            | 18.92M              | 19.213M            |
| 5865MHz                         | Pass   | 500k          | 19.03M              | 19.257M            | 19.03M              | 19.183M            |
| 5885MHz                         | Pass   | 500k          | 18.975M             | 19.257M            | 18.92M              | 19.165M            |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5835MHz                         | Pass   | 500k          | 37.73M              | 38.826M            | 37.62M              | 38.7M              |
| 5875MHz                         | Pass   | 500k          | 37.62M              | 39.979M            | 37.62M              | 40.426M            |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5855MHz                         | Pass   | 500k          | 77.22M              | 77.35M             | 77.44M              | 77.39M             |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 5815MHz                         | Pass   | 500k          | 156.64M             | 156.33M            | 157.08M             | 156.368M           |

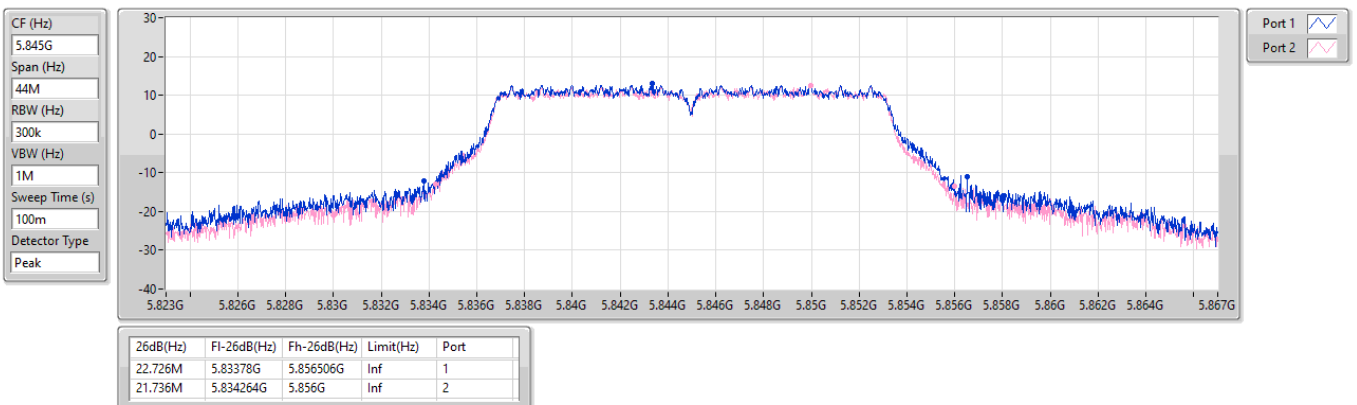
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5845MHz**

11/11/2024

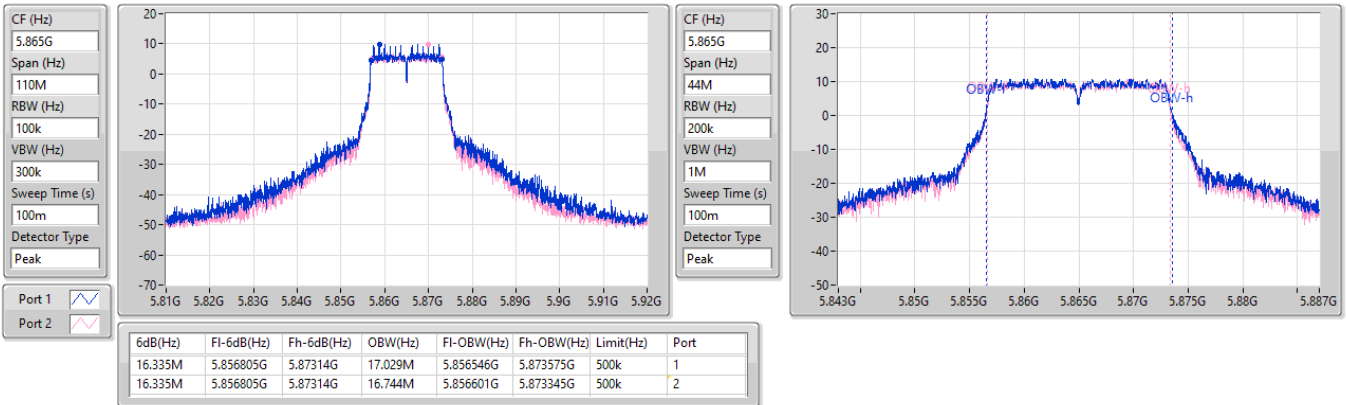

**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5845MHz**

11/11/2024

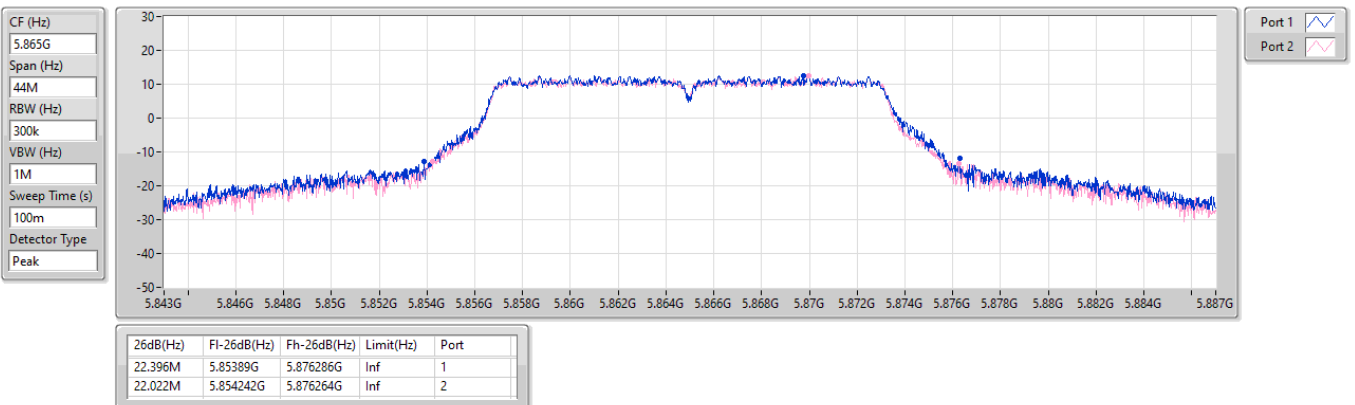


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5865MHz**

11/11/2024


**5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5865MHz**

11/11/2024

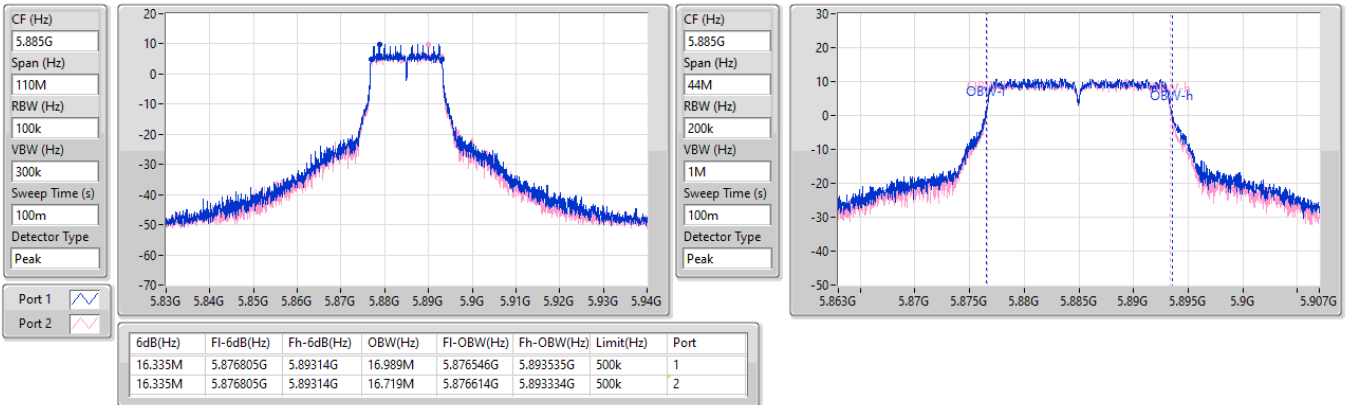


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5885MHz

11/11/2024

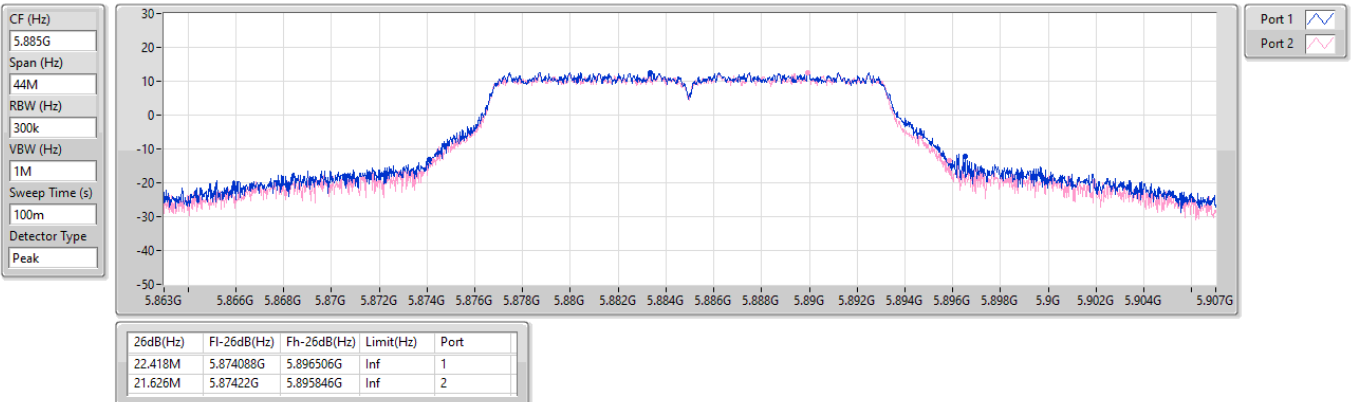


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5885MHz

11/11/2024

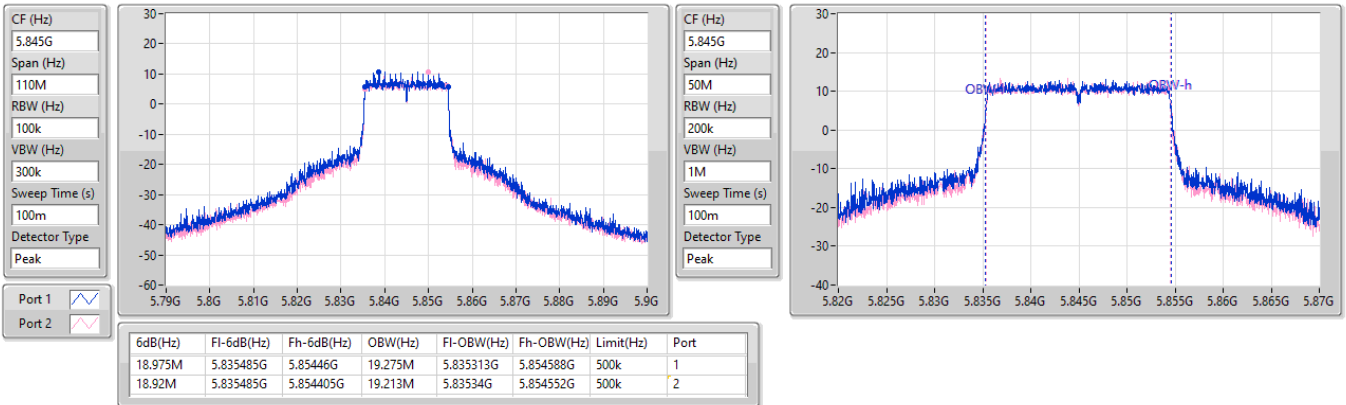


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

5845MHz

11/11/2024

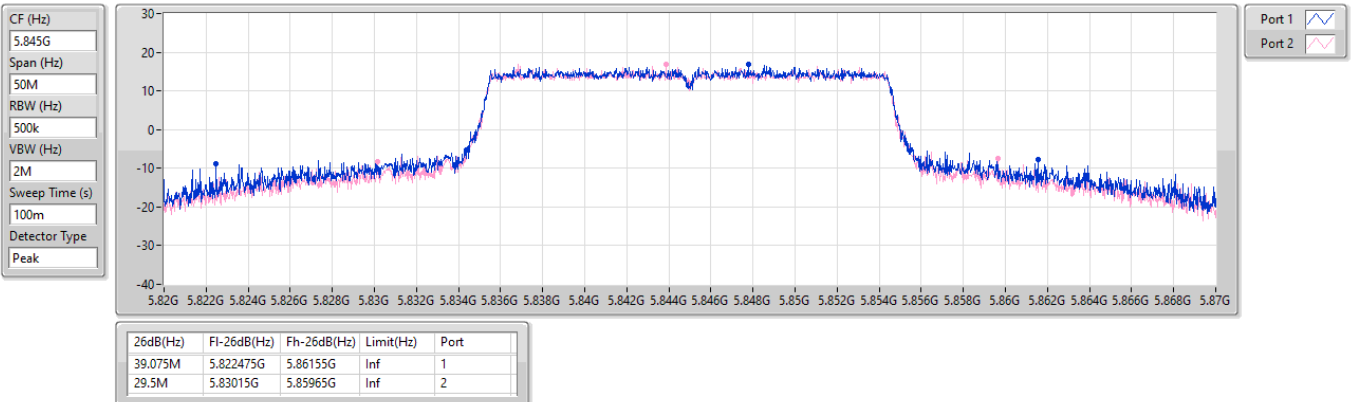


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

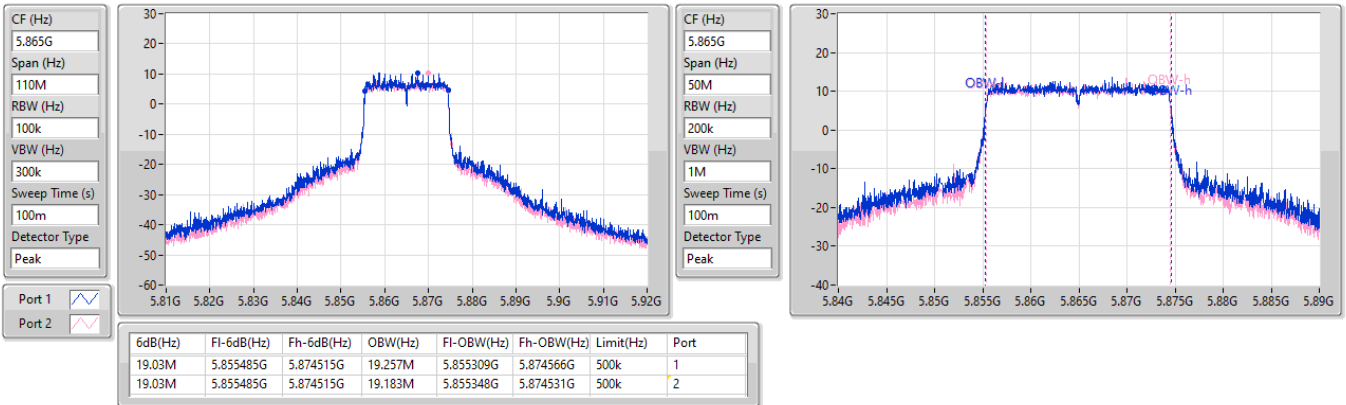
5845MHz

11/11/2024

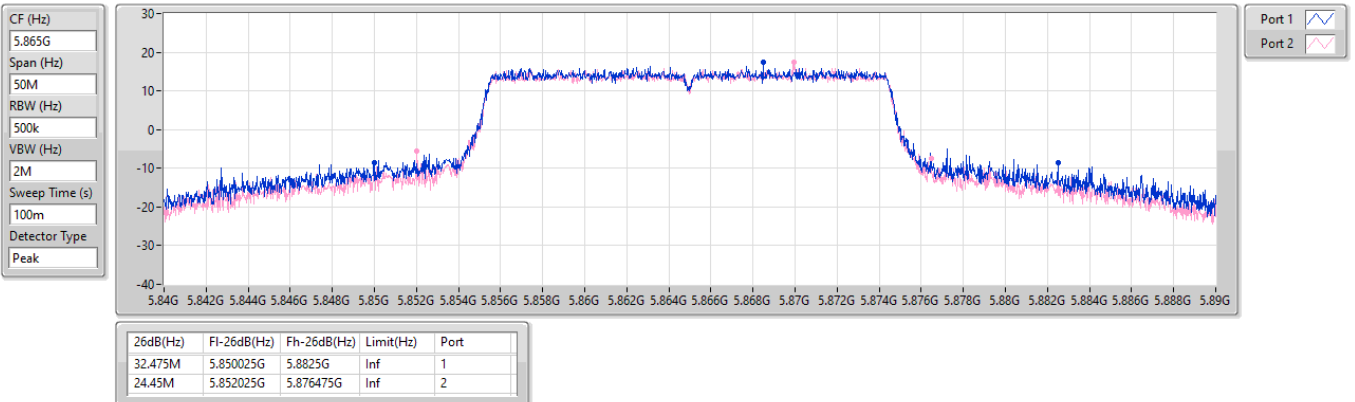


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**5865MHz**

11/11/2024


**5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**5865MHz**

11/11/2024

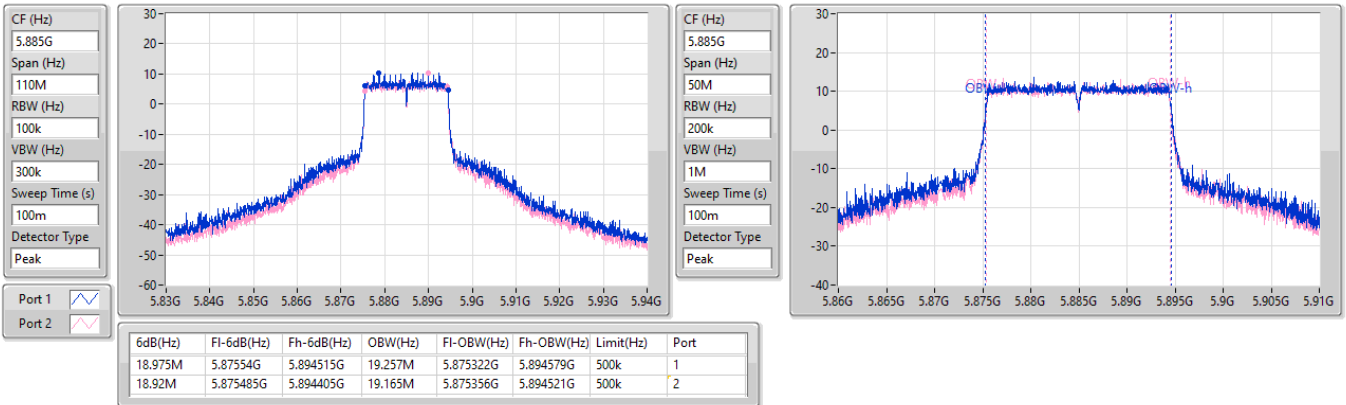


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

5885MHz

11/11/2024

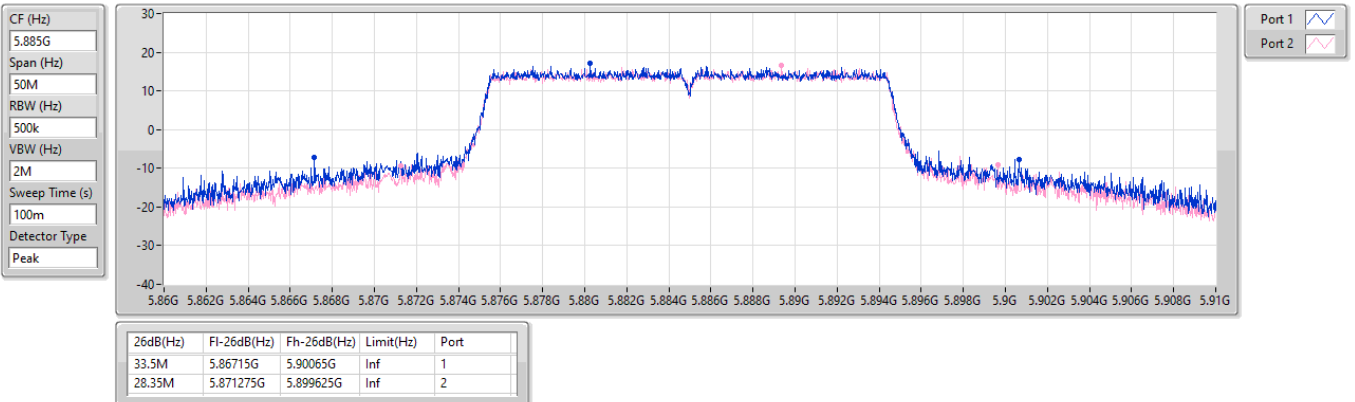


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

EBW

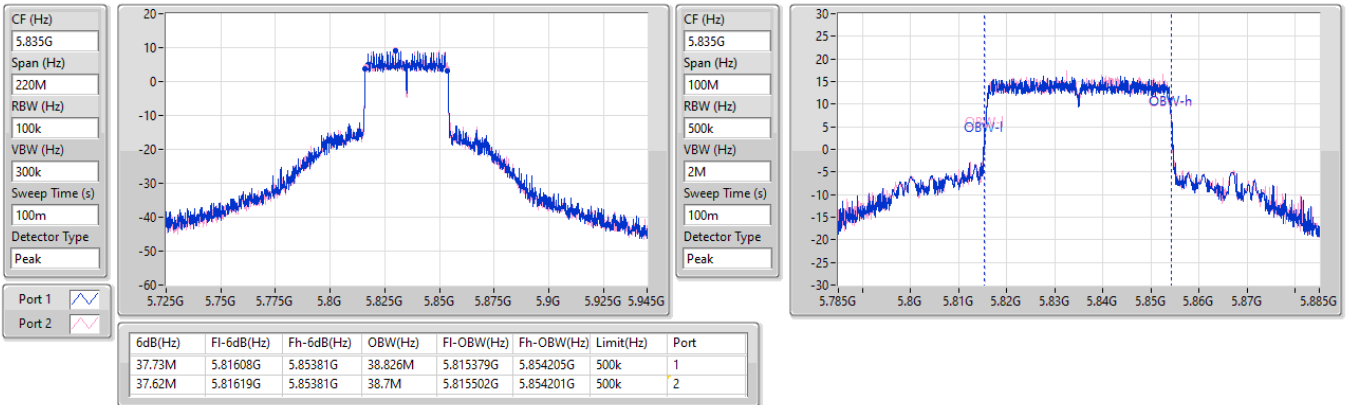
5885MHz

11/11/2024

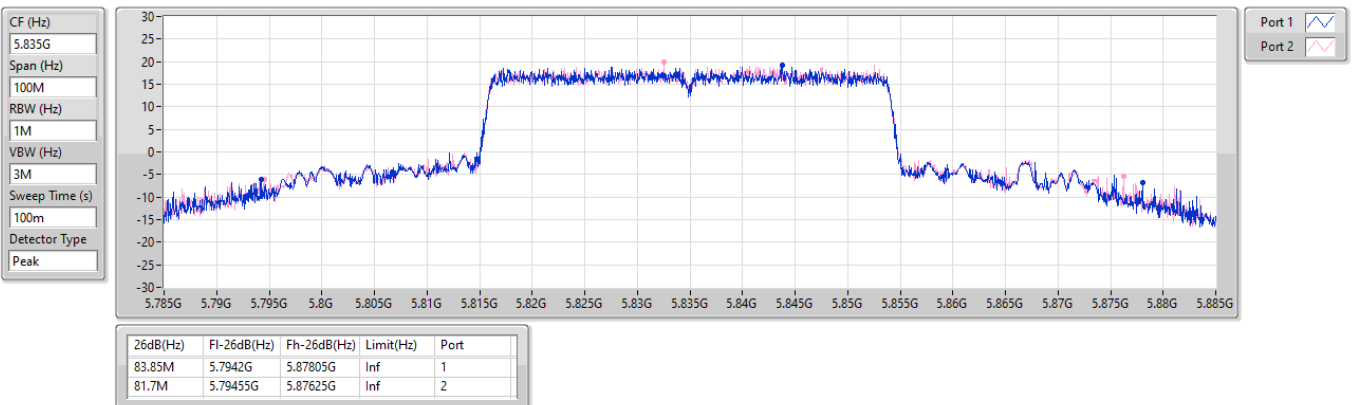


**5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**5835MHz**

11/11/2024


**5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**5835MHz**

11/11/2024

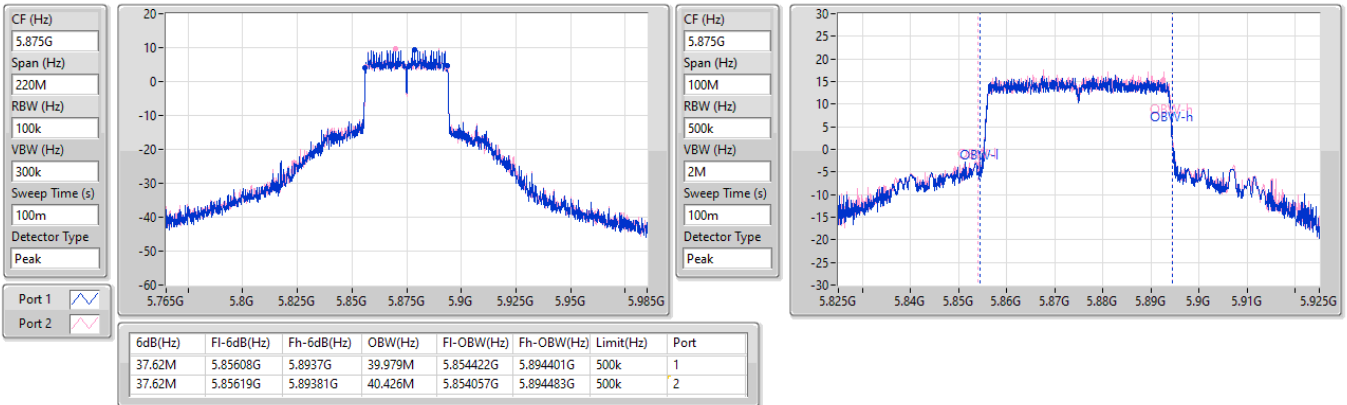


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

EBW

5875MHz

11/11/2024

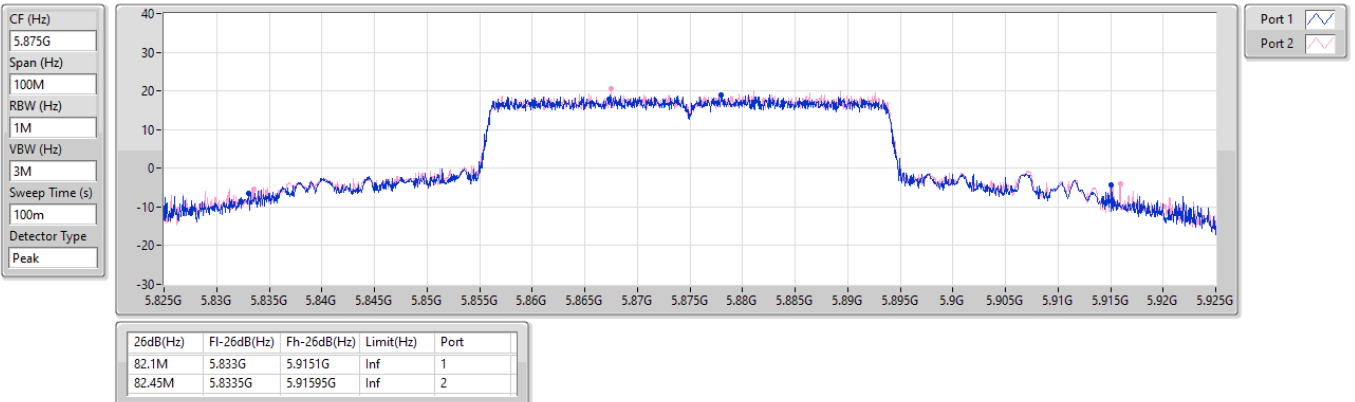


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

EBW

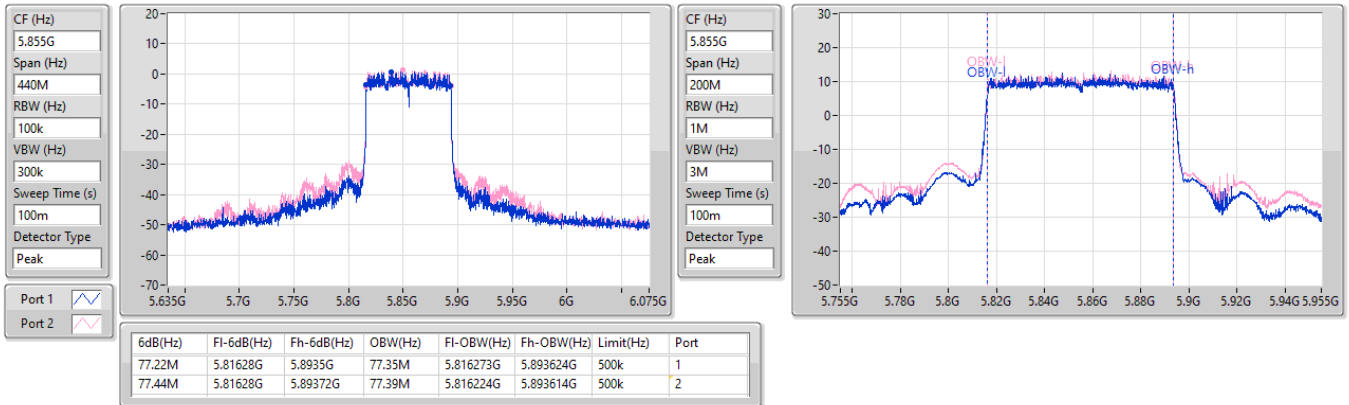
5875MHz

11/11/2024

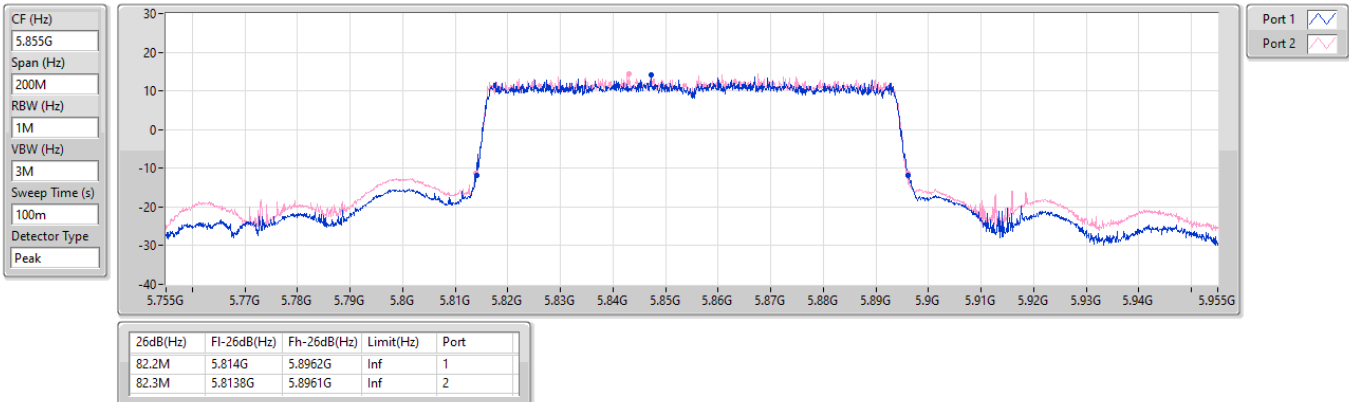


**5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX**
**EBW**
**5855MHz**

11/11/2024


**5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX**
**EBW**
**5855MHz**

11/11/2024

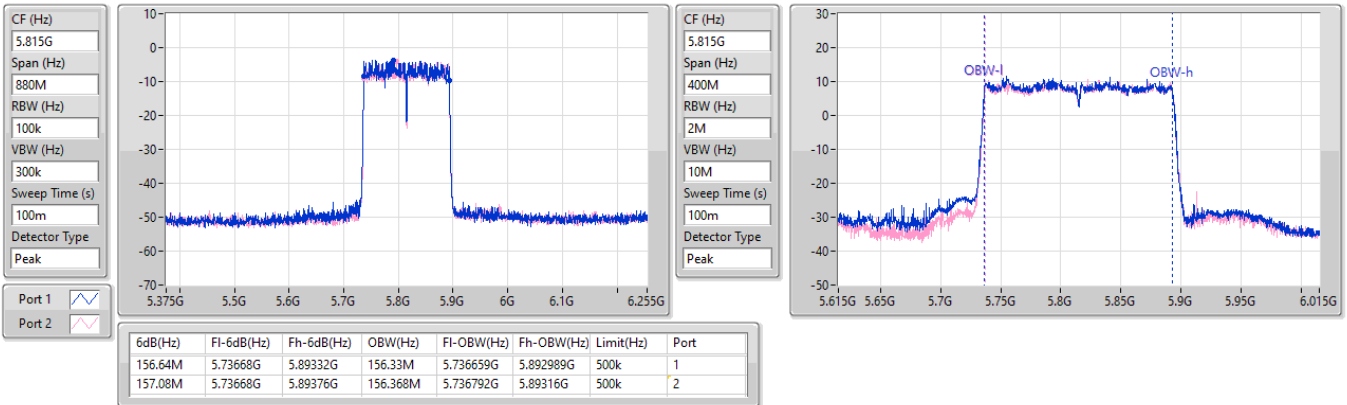


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

EBW

5815MHz

11/11/2024

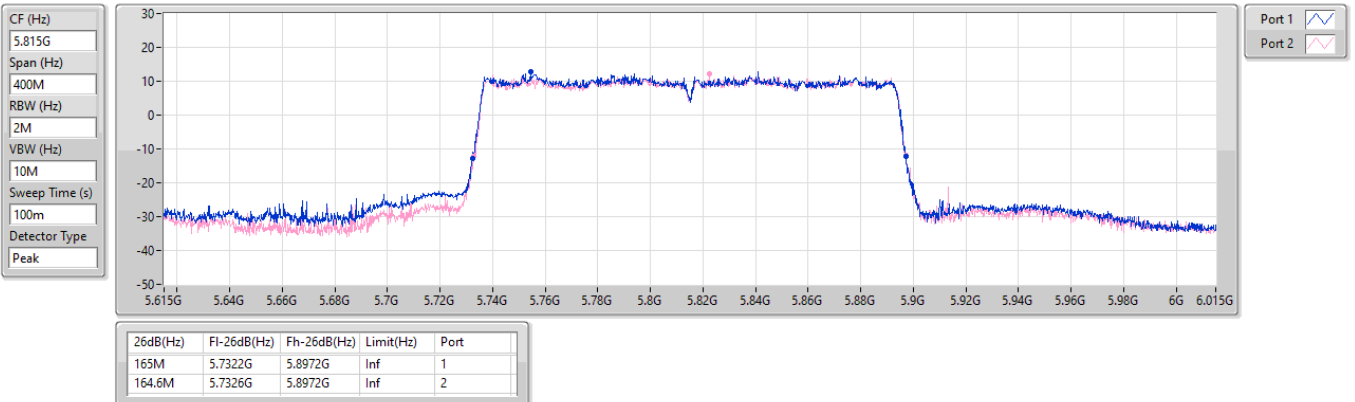


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

EBW

5815MHz

11/11/2024





## Average Power

## Appendix C.1

Test Mode: Mode 1

### Summary

| Mode                               | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|------------------------------------|----------------------|--------------------|---------------|-------------|
| 5.725-5.895GHz                     | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_4TX           | 25.35                | 0.34277            | 29.52         | 0.89536     |
| 802.11be EHT20_Nss1,(MCS0)_4TX     | 26.38                | 0.43451            | 30.55         | 1.13501     |
| 802.11be EHT20-BF_Nss1,(MCS0)_4TX  | 26.38                | 0.43451            | 33.66         | 2.32274     |
| 802.11be EHT40_Nss1,(MCS0)_4TX     | 28.46                | 0.70146            | 32.63         | 1.83231     |
| 802.11be EHT40-BF_Nss1,(MCS0)_4TX  | 28.46                | 0.70146            | 35.74         | 3.74973     |
| 802.11be EHT80_Nss1,(MCS0)_4TX     | 28.41                | 0.69343            | 32.58         | 1.81134     |
| 802.11be EHT80-BF_Nss1,(MCS0)_4TX  | 28.41                | 0.69343            | 35.69         | 3.70681     |
| 802.11be EHT160_Nss1,(MCS0)_4TX    | 24.06                | 0.25468            | 28.23         | 0.66527     |
| 802.11be EHT160-BF_Nss1,(MCS0)_4TX | 24.06                | 0.25468            | 31.34         | 1.36144     |

## 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) | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|------------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|---------------|---------------------|
| 802.11a_Nss1,(6Mbps)_4TX           | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5845MHz                            | Pass   | 4.17        | 19.24           | 19.45           | 19.33           | 19.29           | 25.35                | 30.00                | 29.52         | 36.00               |
| 5865MHz                            | Pass   | 4.17        | 18.4            | 18.2            | 17.83           | 18.33           | 24.22                | Inf                  | 28.39         | 36.00               |
| 5885MHz                            | Pass   | 4.17        | 16.83           | 16.7            | 17.09           | 17.18           | 22.97                | Inf                  | 27.14         | 36.00               |
| 802.11be EHT20_Nss1,(MCS0)_4TX     | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5845MHz                            | Pass   | 4.17        | 20.71           | 20.23           | 19.88           | 20.58           | 26.38                | 30.00                | 30.55         | 36.00               |
| 5865MHz                            | Pass   | 4.17        | 18.69           | 18.5            | 18.08           | 18.71           | 24.52                | Inf                  | 28.69         | 36.00               |
| 5885MHz                            | Pass   | 4.17        | 17.91           | 17.64           | 17.85           | 16.51           | 23.53                | Inf                  | 27.70         | 36.00               |
| 802.11be EHT40_Nss1,(MCS0)_4TX     | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5835MHz                            | Pass   | 4.17        | 22.78           | 22.44           | 21.9            | 22.58           | 28.46                | 30.00                | 32.63         | 36.00               |
| 5875MHz                            | Pass   | 4.17        | 19.81           | 19.66           | 19.75           | 19.62           | 25.73                | Inf                  | 29.90         | 36.00               |
| 802.11be EHT80_Nss1,(MCS0)_4TX     | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5855MHz                            | Pass   | 4.17        | 22.61           | 22.09           | 22.46           | 22.39           | 28.41                | 30.00                | 32.58         | 36.00               |
| 802.11be EHT160_Nss1,(MCS0)_4TX    | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5815MHz                            | Pass   | 4.17        | 18.37           | 18.01           | 17.79           | 17.98           | 24.06                | 30.00                | 28.23         | 36.00               |
| 802.11be EHT20-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5845MHz                            | Pass   | 7.28        | 20.71           | 20.23           | 19.88           | 20.58           | 26.38                | 30.00                | 33.66         | 36.00               |
| 5865MHz                            | Pass   | 7.28        | 18.69           | 18.5            | 18.08           | 18.71           | 24.52                | Inf                  | 31.80         | 36.00               |
| 5885MHz                            | Pass   | 7.28        | 17.91           | 17.64           | 17.85           | 16.51           | 23.53                | Inf                  | 30.81         | 36.00               |
| 802.11be EHT40-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5835MHz                            | Pass   | 7.28        | 22.78           | 22.44           | 21.9            | 22.58           | 28.46                | 30.00                | 35.74         | 36.00               |
| 5875MHz                            | Pass   | 7.28        | 19.81           | 19.66           | 19.75           | 19.62           | 25.73                | Inf                  | 33.01         | 36.00               |
| 802.11be EHT80-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5855MHz                            | Pass   | 7.28        | 22.61           | 22.09           | 22.46           | 22.39           | 28.41                | 30.00                | 35.69         | 36.00               |
| 802.11be EHT160-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    | -             | -                   |
| 5815MHz                            | Pass   | 7.28        | 18.37           | 18.01           | 17.79           | 17.98           | 24.06                | 30.00                | 31.34         | 36.00               |

DG = Directional Gain; Port X = Port X output power  
 Inf = There's no restriction for the limit.



## Average Power

## Appendix C.2

Test Mode: Mode 2

### Summary

| Mode                            | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|---------------------------------|----------------------|--------------------|---------------|-------------|
| 5.725-5.895GHz                  | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_2TX        | 25.51                | 0.35563            | 31.34         | 1.36144     |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | 26.45                | 0.44157            | 32.28         | 1.69044     |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | 26.45                | 0.44157            | 32.28         | 1.69044     |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | 21.64                | 0.14588            | 27.47         | 0.55847     |
| 802.11be EHT160_Nss1,(MCS0)_2TX | 19.35                | 0.08610            | 25.18         | 0.32961     |



## Result

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|---------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|---------------|---------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5845MHz                         | Pass   | 5.83        | 22.27           | 22.05           | 25.17                | 30.00                | 31.00         | 36.00               |
| 5865MHz                         | Pass   | 5.83        | 22.18           | 22.07           | 25.14                | Inf                  | 30.97         | 36.00               |
| 5885MHz                         | Pass   | 5.83        | 22.61           | 22.39           | 25.51                | Inf                  | 31.34         | 36.00               |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5845MHz                         | Pass   | 5.83        | 23.53           | 23.34           | 26.45                | 30.00                | 32.28         | 36.00               |
| 5865MHz                         | Pass   | 5.83        | 23.38           | 23.12           | 26.26                | Inf                  | 32.09         | 36.00               |
| 5885MHz                         | Pass   | 5.83        | 23.27           | 23.21           | 26.25                | Inf                  | 32.08         | 36.00               |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5835MHz                         | Pass   | 5.83        | 22.99           | 23.31           | 26.16                | 30.00                | 31.99         | 36.00               |
| 5875MHz                         | Pass   | 5.83        | 23.25           | 23.63           | 26.45                | Inf                  | 32.28         | 36.00               |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5855MHz                         | Pass   | 5.83        | 18.31           | 18.93           | 21.64                | 30.00                | 27.47         | 36.00               |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5815MHz                         | Pass   | 5.83        | 16.50           | 16.17           | 19.35                | 30.00                | 25.18         | 36.00               |

DG = Directional Gain; Port X = Port X output power  
Inf = There's no restriction for the limit.



Test Mode: Mode 3

**Summary**

| Mode                               | Total Power | Total Power | EIRP  | EIRP    |
|------------------------------------|-------------|-------------|-------|---------|
|                                    | (dBm)       | (W)         | (dBm) | (W)     |
| 5.725-5.895GHz                     | -           | -           | -     | -       |
| 802.11a_Nss1,(6Mbps)_4TX           | 24.36       | 0.27290     | 31.09 | 1.28529 |
| 802.11be EHT20_Nss1,(MCS0)_4TX     | 24.86       | 0.30620     | 31.59 | 1.44212 |
| 802.11be EHT20-BF_Nss1,(MCS0)_4TX  | 24.86       | 0.30620     | 33.92 | 2.46604 |
| 802.11be EHT40_Nss1,(MCS0)_4TX     | 28.08       | 0.64269     | 34.81 | 3.02691 |
| 802.11be EHT40-BF_Nss1,(MCS0)_4TX  | 26.84       | 0.48306     | 35.90 | 3.89045 |
| 802.11be EHT80_Nss1,(MCS0)_4TX     | 28.72       | 0.74473     | 35.45 | 3.50752 |
| 802.11be EHT80-BF_Nss1,(MCS0)_4TX  | 26.90       | 0.48978     | 35.96 | 3.94457 |
| 802.11be EHT160_Nss1,(MCS0)_4TX    | 23.28       | 0.21281     | 30.01 | 1.00231 |
| 802.11be EHT160-BF_Nss1,(MCS0)_4TX | 23.28       | 0.21281     | 32.34 | 1.71396 |

## Result

| Mode                               | Result | DG    | Port 1 | Port 2 | Port 3 | Port 4 | Total Power | EIRP  | EIRP Limit |
|------------------------------------|--------|-------|--------|--------|--------|--------|-------------|-------|------------|
|                                    |        | (dBi) | (dBm)  | (dBm)  | (dBm)  | (dBm)  | (dBm)       | (dBm) | (dBm)      |
| 802.11a_Nss1,(6Mbps)_4TX           | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5845MHz                            | Pass   | 6.73  | 18.49  | 18.17  | 18.05  | 18.63  | 24.36       | 31.09 | 36.00      |
| 5865MHz                            | Pass   | 6.73  | 17.83  | 17.72  | 17.31  | 18.15  | 23.78       | 30.51 | 36.00      |
| 5885MHz                            | Pass   | 6.73  | 16.95  | 16.64  | 16.52  | 17.21  | 22.86       | 29.59 | 36.00      |
| 802.11be EHT20_Nss1,(MCS0)_4TX     | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5845MHz                            | Pass   | 6.73  | 18.78  | 18.83  | 18.53  | 19.20  | 24.86       | 31.59 | 36.00      |
| 5865MHz                            | Pass   | 6.73  | 18.16  | 18.61  | 17.99  | 18.63  | 24.38       | 31.11 | 36.00      |
| 5885MHz                            | Pass   | 6.73  | 18.50  | 18.14  | 17.88  | 18.69  | 24.33       | 31.06 | 36.00      |
| 802.11be EHT40_Nss1,(MCS0)_4TX     | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5835MHz                            | Pass   | 6.73  | 22.30  | 22.06  | 21.65  | 22.20  | 28.08       | 34.81 | 36.00      |
| 5875MHz                            | Pass   | 6.73  | 20.58  | 20.50  | 20.12  | 20.71  | 26.50       | 33.23 | 36.00      |
| 802.11be EHT80_Nss1,(MCS0)_4TX     | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5855MHz                            | Pass   | 6.73  | 22.55  | 22.66  | 22.29  | 23.24  | 28.72       | 35.45 | 36.00      |
| 802.11be EHT160_Nss1,(MCS0)_4TX    | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5815MHz                            | Pass   | 6.73  | 17.18  | 17.27  | 16.90  | 17.67  | 23.28       | 30.01 | 36.00      |
| 802.11be EHT20-BF_Nss1,(MCS0)_4TX  | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5845MHz                            | Pass   | 9.06  | 18.78  | 18.83  | 18.53  | 19.20  | 24.86       | 33.92 | 36.00      |
| 5865MHz                            | Pass   | 9.06  | 18.16  | 18.61  | 17.99  | 18.63  | 24.38       | 33.44 | 36.00      |
| 5885MHz                            | Pass   | 9.06  | 18.50  | 18.14  | 17.88  | 18.69  | 24.33       | 33.39 | 36.00      |
| 802.11be EHT40-BF_Nss1,(MCS0)_4TX  | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5835MHz                            | Pass   | 9.06  | 21.20  | 20.76  | 20.28  | 20.99  | 26.84       | 35.90 | 36.00      |
| 5875MHz                            | Pass   | 9.06  | 20.58  | 20.50  | 20.12  | 20.71  | 26.50       | 35.56 | 36.00      |
| 802.11be EHT80-BF_Nss1,(MCS0)_4TX  | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5855MHz                            | Pass   | 9.06  | 20.74  | 20.98  | 20.26  | 21.45  | 26.90       | 35.96 | 36.00      |
| 802.11be EHT160-BF_Nss1,(MCS0)_4TX | -      | -     | -      | -      | -      | -      | -           | -     | -          |
| 5815MHz                            | Pass   | 9.06  | 17.18  | 17.27  | 16.90  | 17.67  | 23.28       | 32.34 | 36.00      |

DG = Directional Gain; Port X = Port X output power  
 Inf = There's no restriction for the limit.



## Average Power

## Appendix C.4

Test Mode: Mode 4

### Summary

| Mode                            | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|---------------------------------|----------------------|--------------------|---------------|-------------|
| 5.725-5.895GHz                  | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_2TX        | 23.82                | 0.24099            | 30.11         | 1.02565     |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | 25.05                | 0.31989            | 31.34         | 1.36144     |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | 26.37                | 0.43351            | 32.66         | 1.84502     |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | 21.04                | 0.12706            | 27.33         | 0.54075     |
| 802.11be EHT160_Nss1,(MCS0)_2TX | 19.19                | 0.08299            | 25.48         | 0.35318     |

## Result

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|---------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|---------------|---------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5845MHz                         | Pass   | 6.29        | 20.97           | 20.63           | 23.81                | 30.00                | 30.10         | 36.00               |
| 5865MHz                         | Pass   | 6.29        | 20.89           | 20.72           | 23.82                | Inf                  | 30.11         | 36.00               |
| 5885MHz                         | Pass   | 6.29        | 20.86           | 20.64           | 23.76                | Inf                  | 30.05         | 36.00               |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5845MHz                         | Pass   | 6.29        | 22.14           | 21.93           | 25.05                | 30.00                | 31.34         | 36.00               |
| 5865MHz                         | Pass   | 6.29        | 21.89           | 21.58           | 24.75                | Inf                  | 31.04         | 36.00               |
| 5885MHz                         | Pass   | 6.29        | 21.94           | 21.73           | 24.85                | Inf                  | 31.14         | 36.00               |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5835MHz                         | Pass   | 6.29        | 22.62           | 22.70           | 25.67                | 30.00                | 31.96         | 36.00               |
| 5875MHz                         | Pass   | 6.29        | 23.21           | 23.50           | 26.37                | Inf                  | 32.66         | 36.00               |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5855MHz                         | Pass   | 6.29        | 17.75           | 18.30           | 21.04                | 30.00                | 27.33         | 36.00               |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    | -             | -                   |
| 5815MHz                         | Pass   | 6.29        | 16.33           | 16.02           | 19.19                | 30.00                | 25.48         | 36.00               |

DG = Directional Gain; Port X = Port X output power  
Inf = There's no restriction for the limit.

Test Mode: Mode 1

**Summary**

| Mode                            | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|---------------------------------|-----------------|----------------------|
| 5.725-5.895GHz                  | -               | -                    |
| 802.11a_Nss1,(6Mbps)_4TX        | 10.99           | 18.27                |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | 11.93           | 19.21                |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | 10.72           | 18.00                |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | 8.24            | 15.52                |
| 802.11be EHT160_Nss1,(MCS0)_4TX | 0.37            | 7.65                 |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**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) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|---------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5845MHz                         | Pass   | 7.28        | 5.33                | 4.68                | 4.76                | 5.36                | 10.99           | Inf                   | 18.27                | 20.00                      |
| 5865MHz                         | Pass   | 7.28        | 4.76                | 4.64                | 4.32                | 4.72                | 10.54           | Inf                   | 17.82                | 20.00                      |
| 5885MHz                         | Pass   | 7.28        | 3.35                | 3.60                | 3.53                | 3.69                | 9.46            | Inf                   | 16.74                | 20.00                      |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5845MHz                         | Pass   | 7.28        | 6.16                | 6.09                | 5.50                | 6.11                | 11.93           | Inf                   | 19.21                | 20.00                      |
| 5865MHz                         | Pass   | 7.28        | 4.48                | 4.48                | 4.01                | 4.42                | 10.30           | Inf                   | 17.58                | 20.00                      |
| 5885MHz                         | Pass   | 7.28        | 3.62                | 3.45                | 3.79                | 3.70                | 9.54            | Inf                   | 16.82                | 20.00                      |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5835MHz                         | Pass   | 7.28        | 5.21                | 4.70                | 4.19                | 4.74                | 10.72           | Inf                   | 18.00                | 20.00                      |
| 5875MHz                         | Pass   | 7.28        | 2.87                | 2.96                | 2.88                | 2.85                | 8.83            | Inf                   | 16.11                | 20.00                      |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5855MHz                         | Pass   | 7.28        | 2.47                | 2.13                | 2.27                | 2.14                | 8.24            | Inf                   | 15.52                | 20.00                      |
| 802.11be EHT160_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5815MHz                         | Pass   | 7.28        | -5.28               | -5.71               | -5.81               | -5.77               | 0.37            | Inf                   | 7.65                 | 20.00                      |

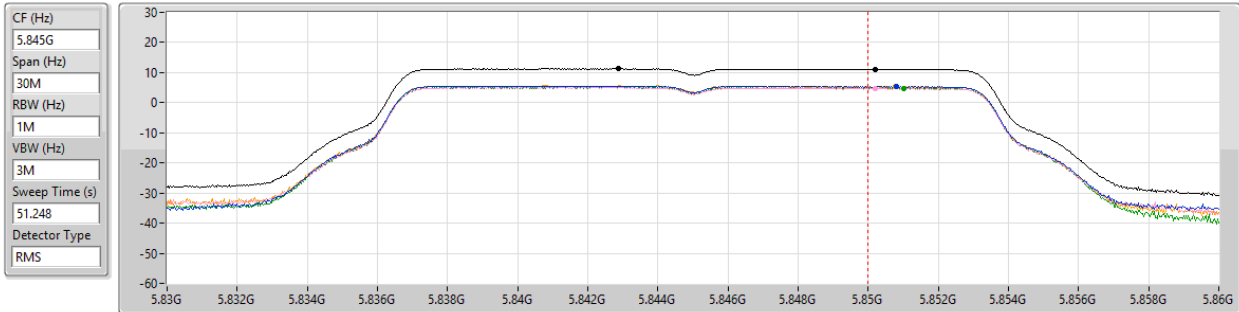
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
 Inf = There's no restriction for the limit.

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

PSD

5845MHz

03/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 11.28 | 8.27  | 500k      | -3.01 |

5850-5895MHz

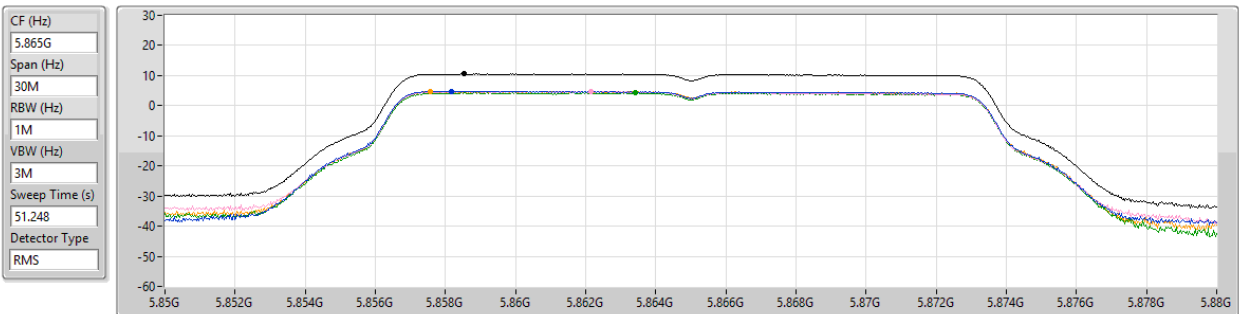
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.99     | 10.99     | 5.33      | 4.68      | 4.76      | 5.36      |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

PSD

5865MHz

03/12/2024



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.54     | 10.54     | 4.76      | 4.64      | 4.32      | 4.72      |

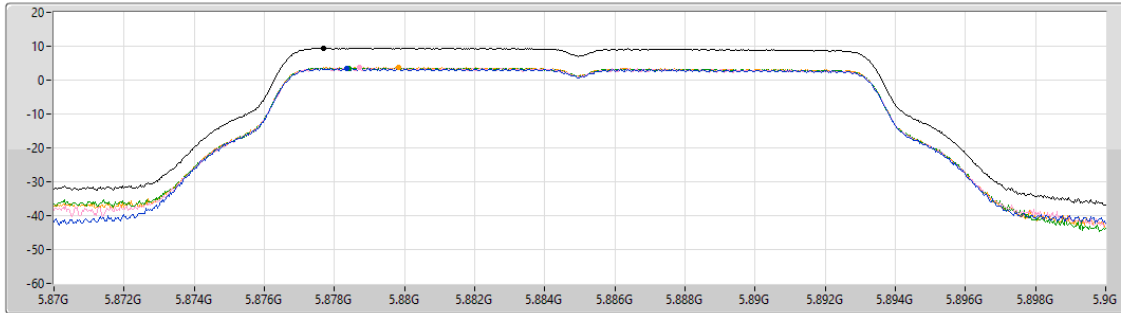
5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

PSD

5885MHz

02/12/2024

CF (Hz)  
5.885G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
51.248  
Detector Type  
RMS



Sum  
Port 1  
Port 2  
Port 3  
Port 4

| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.46      | 9.46      | 3.35      | 3.60      | 3.53      | 3.69      |

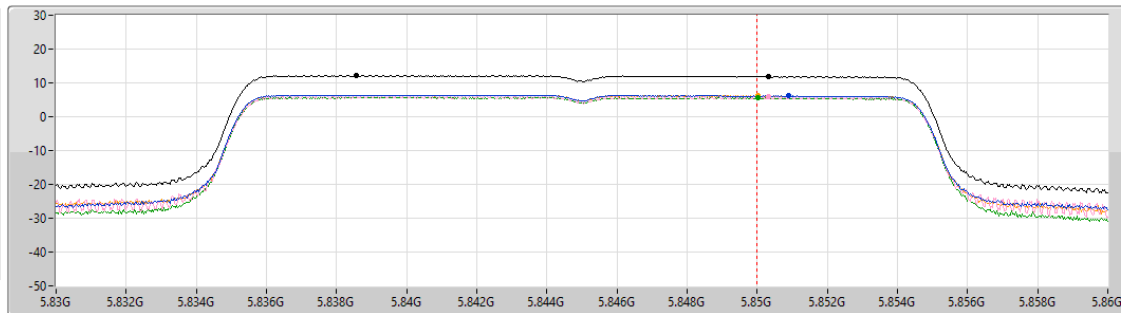
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

PSD

5845MHz

03/12/2024

CF (Hz)  
5.845G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
29.035  
Detector Type  
RMS



Sum  
Port 1  
Port 2  
Port 3  
Port 4

5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 12.18 | 9.17  | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.93     | 11.93     | 6.16      | 6.09      | 5.50      | 6.11      |

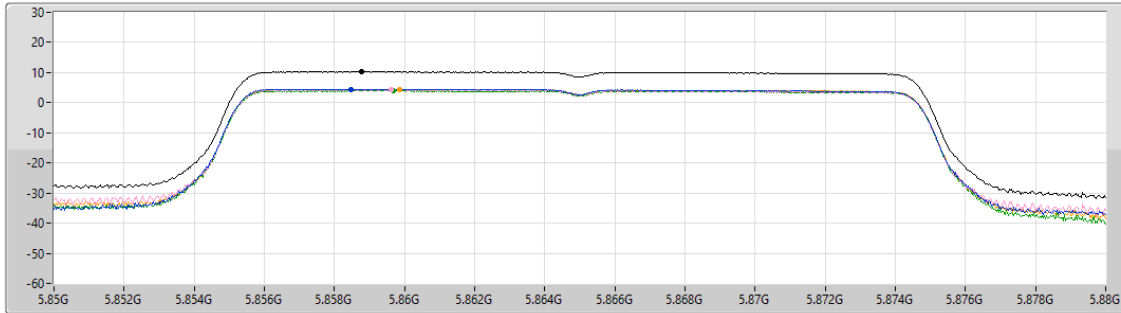
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

PSD

5865MHz

03/12/2024

CF (Hz)  
5.865G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
29.035  
Detector Type  
RMS



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.30     | 10.30     | 4.48      | 4.48      | 4.01      | 4.42      |

Sum  
Port 1  
Port 2  
Port 3  
Port 4

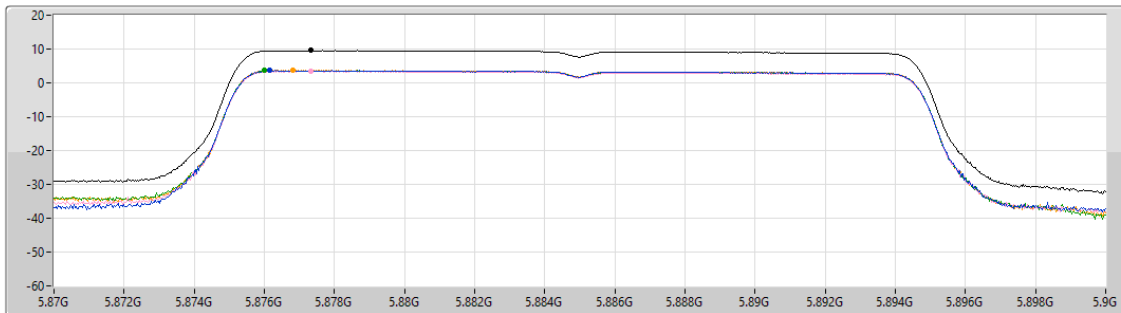
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

PSD

5885MHz

02/12/2024

CF (Hz)  
5.885G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
29.035  
Detector Type  
RMS



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.54      | 9.54      | 3.62      | 3.45      | 3.79      | 3.70      |

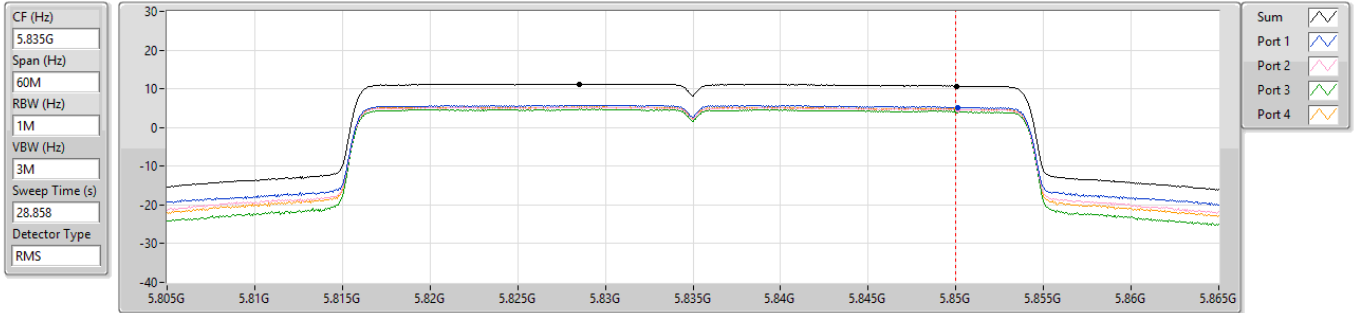
Sum  
Port 1  
Port 2  
Port 3  
Port 4

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

PSD

5835MHz

03/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 11.26 | 8.25  | 500k      | -3.01 |

5850-5895MHz

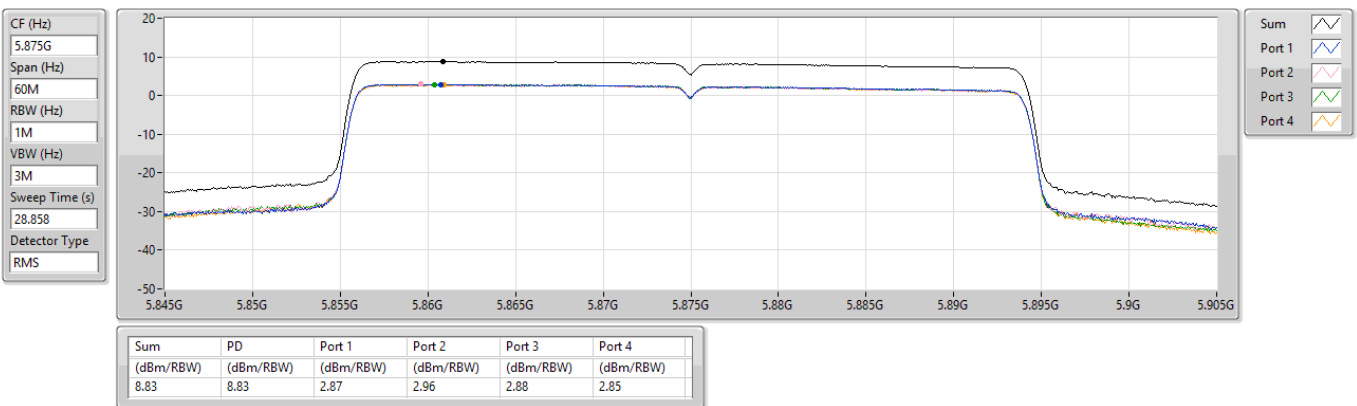
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.72     | 10.72     | 5.21      | 4.70      | 4.19      | 4.74      |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

PSD

5875MHz

02/12/2024

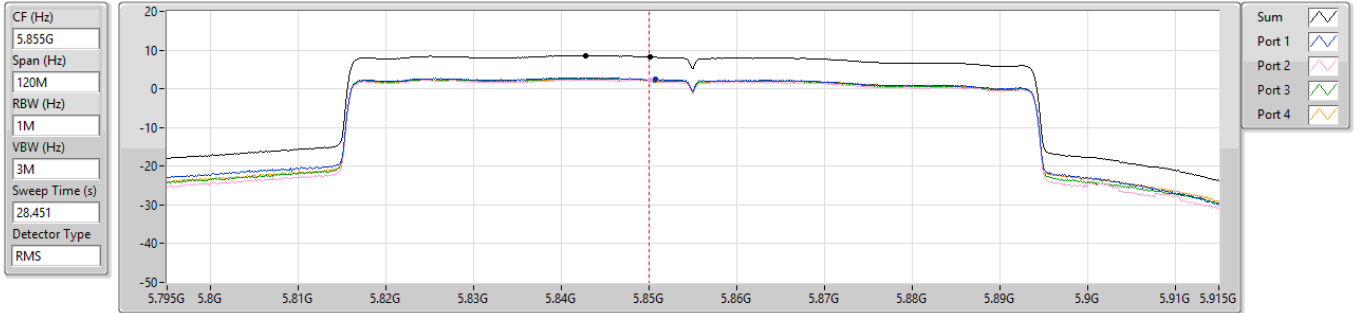


## 5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_4TX

PSD

5855MHz

02/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 8.61  | 5.60  | 500k      | -3.01 |

5850-5895MHz

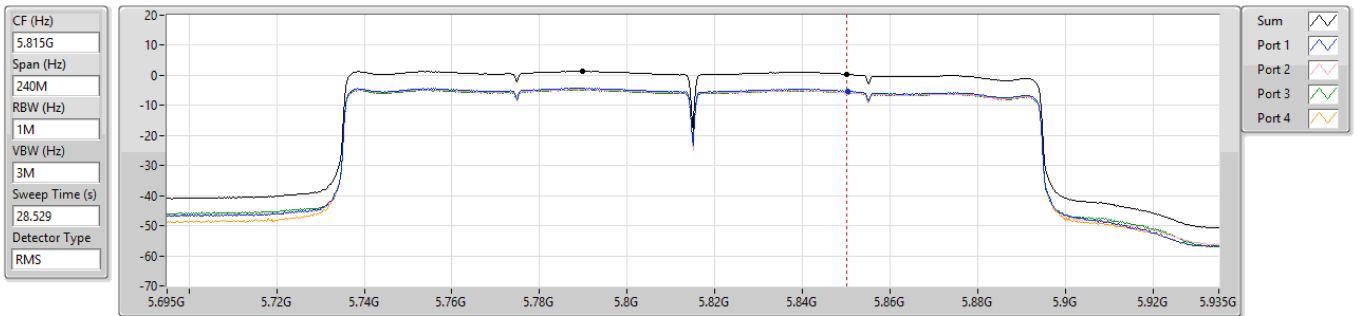
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.24      | 8.24      | 2.47      | 2.13      | 2.27      | 2.14      |

## 5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_4TX

PSD

5815MHz

02/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 1.38  | -1.63 | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.37      | 0.37      | -5.28     | -5.71     | -5.81     | -5.77     |

Test Mode: Mode 2

**Summary**

| Mode                            | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|---------------------------------|-----------------|----------------------|
| 5.725-5.895GHz                  | -               | -                    |
| 802.11a_Nss1,(6Mbps)_2TX        | 13.07           | 19.93                |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | 13.03           | 19.89                |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | 10.28           | 17.14                |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | 3.05            | 9.91                 |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -2.32           | 4.54                 |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|---------------------------------|--------|-------------|---------------------|---------------------|-----------------|----------------------|----------------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5845MHz                         | Pass   | 6.86        | 10.28               | 10.22               | 12.80           | 19.66                | 20.00                      |
| 5865MHz                         | Pass   | 6.86        | 10.17               | 9.86                | 12.86           | 19.72                | 20.00                      |
| 5885MHz                         | Pass   | 6.86        | 10.43               | 9.95                | 13.07           | 19.93                | 20.00                      |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5845MHz                         | Pass   | 6.86        | 10.12               | 10.06               | 13.03           | 19.89                | 20.00                      |
| 5865MHz                         | Pass   | 6.86        | 10.09               | 9.94                | 12.93           | 19.79                | 20.00                      |
| 5885MHz                         | Pass   | 6.86        | 10.15               | 9.90                | 13.02           | 19.88                | 20.00                      |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5835MHz                         | Pass   | 6.86        | 6.80                | 7.23                | 9.94            | 16.80                | 20.00                      |
| 5875MHz                         | Pass   | 6.86        | 7.27                | 7.45                | 10.28           | 17.14                | 20.00                      |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5855MHz                         | Pass   | 6.86        | -0.23               | 0.45                | 3.05            | 9.91                 | 20.00                      |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5815MHz                         | Pass   | 6.86        | -5.25               | -5.28               | -2.32           | 4.54                 | 20.00                      |

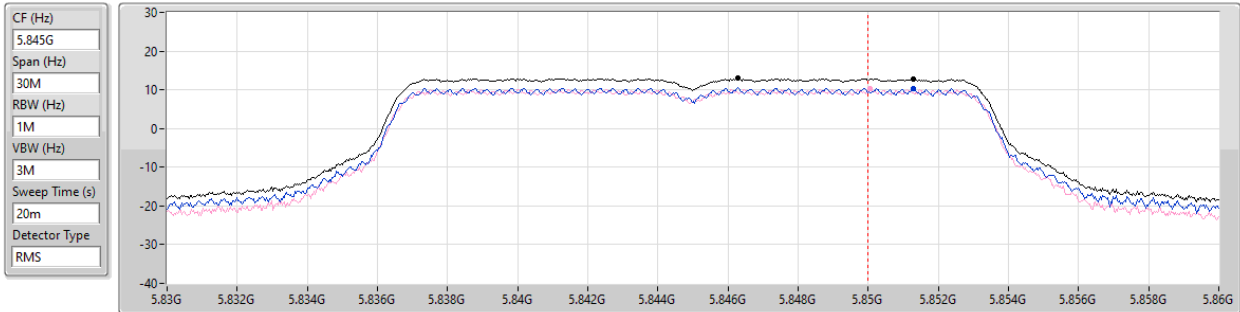
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
 Inf = There's no restriction for the limit.

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5845MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 12.93 | 9.92  | 500k      | -3.01 |

5850-5895MHz

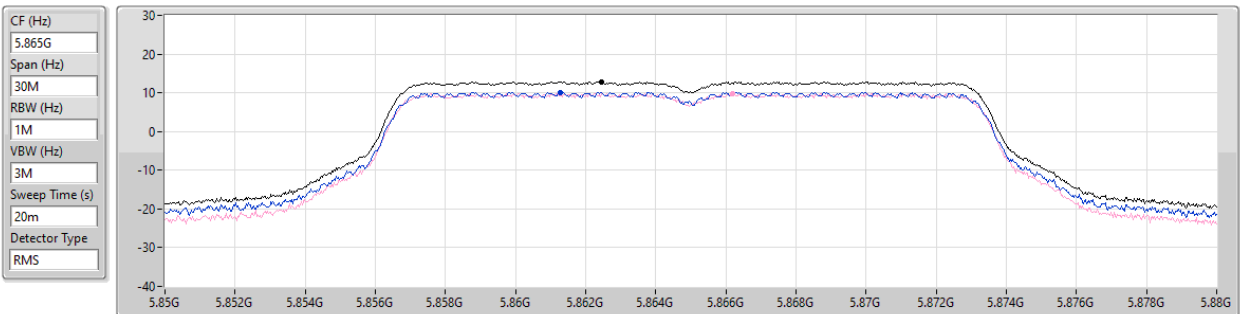
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.80     | 12.80     | 10.28     | 10.22     |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5865MHz

11/11/2024



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.86     | 12.86     | 10.17     | 9.86      |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5885MHz

11/11/2024

CF (Hz)  
5.885G

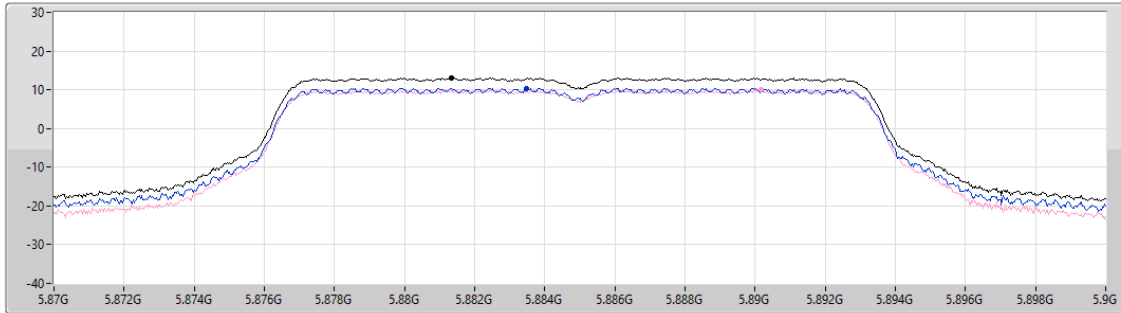
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
20m

Detector Type  
RMS



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.07     | 13.07     | 10.43     | 9.95      |

Sum ☐

Port 1 ☐

Port 2 ☐

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

5845MHz

11/11/2024

CF (Hz)  
5.845G

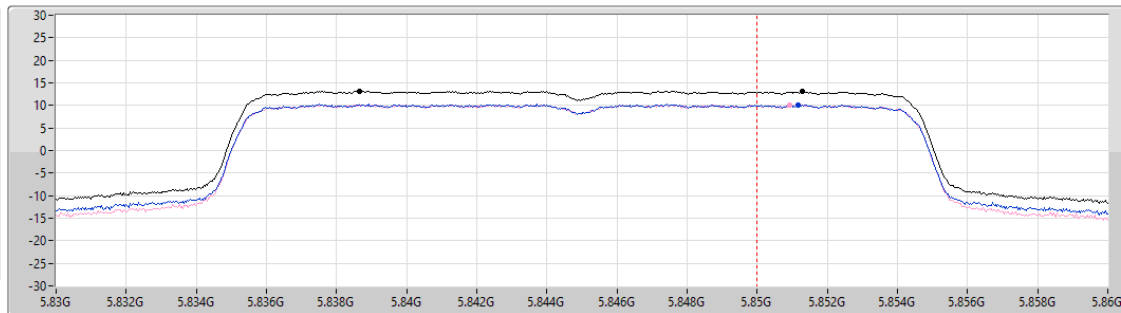
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
20m

Detector Type  
RMS



| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 13.18 | 10.17 | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.03     | 13.03     | 10.12     | 10.06     |

Sum ☐

Port 1 ☐

Port 2 ☐

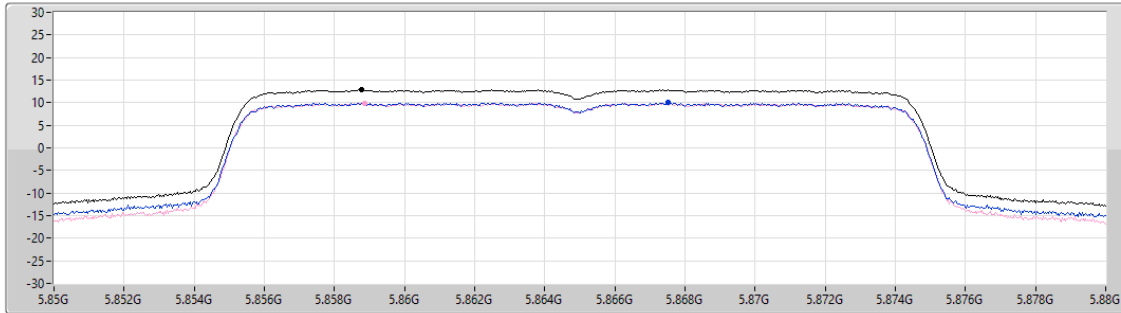
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

5865MHz

11/11/2024

CF (Hz)  
5.865G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 12.93        | 12.93        | 10.09        | 9.94         |

Sum  
Port 1  
Port 2

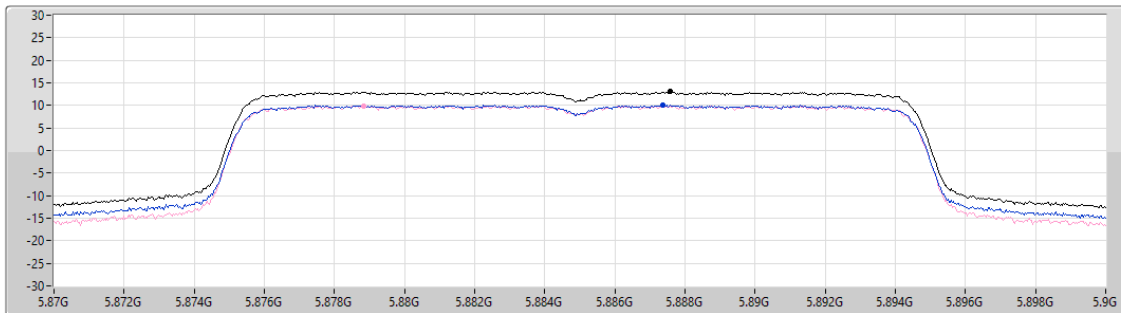
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

5885MHz

11/11/2024

CF (Hz)  
5.885G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 13.02        | 13.02        | 10.15        | 9.90         |

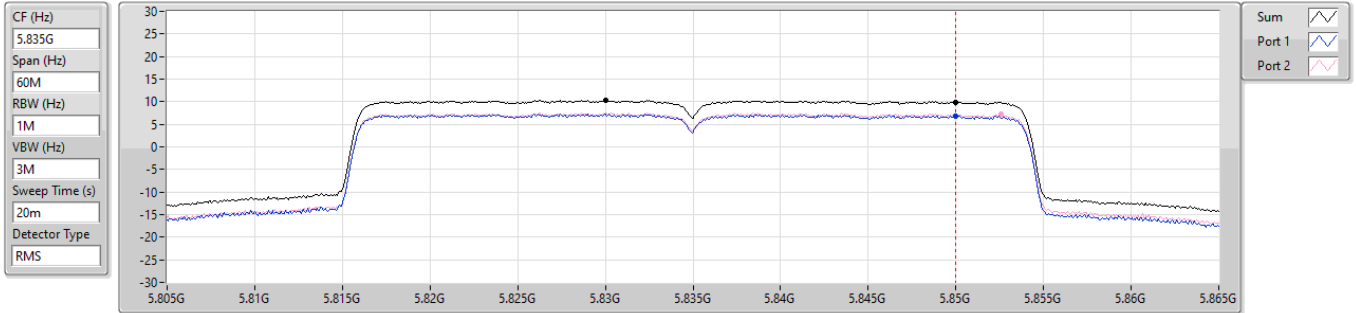
Sum  
Port 1  
Port 2

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

PSD

5835MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 10.37 | 7.36  | 500k      | -3.01 |

5850-5895MHz

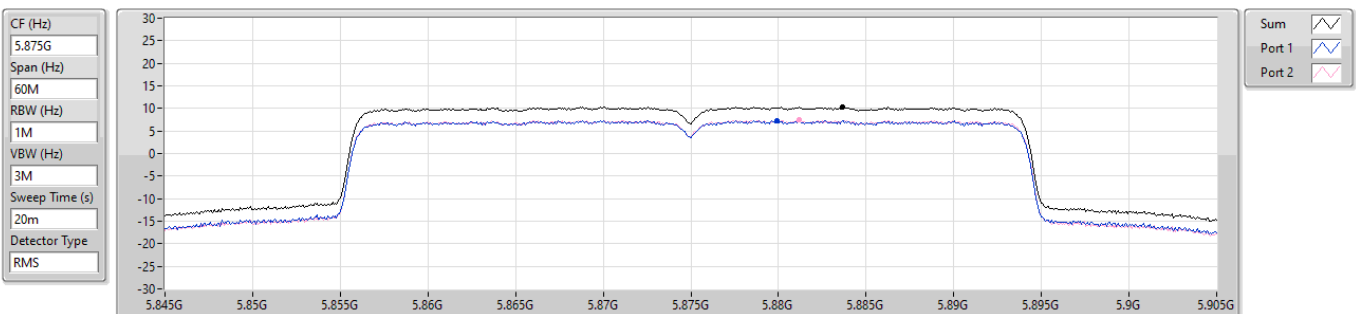
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.94      | 9.94      | 6.80      | 7.23      |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

PSD

5875MHz

11/11/2024



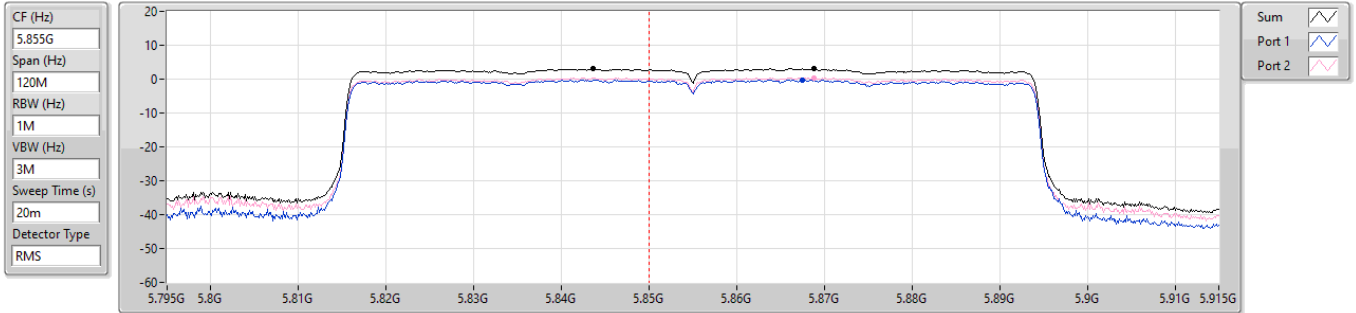
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.28     | 10.28     | 7.27      | 7.45      |

5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

PSD

5855MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 2.97  | -0.04 | 500k      | -3.01 |

5850-5895MHz

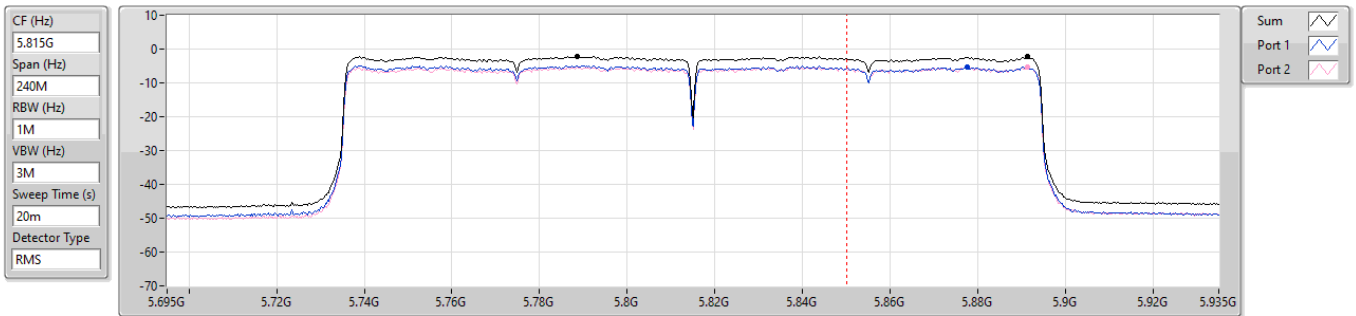
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.05      | 3.05      | -0.23     | 0.45      |

5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

PSD

5815MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| -2.18 | -5.19 | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.32     | -2.32     | -5.25     | -5.28     |

Test Mode: Mode 3

**Summary**

| Mode                            | PD        | EIRP PD   |
|---------------------------------|-----------|-----------|
|                                 | (dBm/RBW) | (dBm/RBW) |
| 5.725-5.895GHz                  | -         | -         |
| 802.11a_Nss1,(6Mbps)_4TX        | 10.92     | 19.98     |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | 10.87     | 19.93     |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | 10.89     | 19.95     |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | 9.36      | 18.42     |
| 802.11be EHT160_Nss1,(MCS0)_4TX | 0.09      | 9.15      |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                            | Result | DG    | Port 1    | Port 2    | Port 3    | Port 4    | PD        | EIRP PD   | EIRP PD Limit |
|---------------------------------|--------|-------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                 |        | (dBi) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW)     |
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -     | -         | -         | -         | -         | -         | -         | -             |
| 5845MHz                         | Pass   | 9.06  | 5.17      | 4.88      | 4.49      | 5.18      | 10.92     | 19.98     | 20.00         |
| 5865MHz                         | Pass   | 9.06  | 4.54      | 5.32      | 4.19      | 5.08      | 10.74     | 19.80     | 20.00         |
| 5885MHz                         | Pass   | 9.06  | 3.88      | 4.08      | 3.49      | 4.38      | 9.76      | 18.82     | 20.00         |
| 802.11be EHT20_Nss1,(MCS0)_4TX  | -      | -     | -         | -         | -         | -         | -         | -         | -             |
| 5845MHz                         | Pass   | 9.06  | 4.90      | 5.01      | 4.56      | 5.24      | 10.87     | 19.93     | 20.00         |
| 5865MHz                         | Pass   | 9.06  | 4.69      | 5.04      | 4.70      | 5.10      | 10.83     | 19.89     | 20.00         |
| 5885MHz                         | Pass   | 9.06  | 4.88      | 4.76      | 4.47      | 5.11      | 10.70     | 19.76     | 20.00         |
| 802.11be EHT40_Nss1,(MCS0)_4TX  | -      | -     | -         | -         | -         | -         | -         | -         | -             |
| 5835MHz                         | Pass   | 9.06  | 5.09      | 4.98      | 4.43      | 5.05      | 10.89     | 19.95     | 20.00         |
| 5875MHz                         | Pass   | 9.06  | 4.55      | 4.52      | 4.08      | 4.33      | 10.31     | 19.37     | 20.00         |
| 802.11be EHT80_Nss1,(MCS0)_4TX  | -      | -     | -         | -         | -         | -         | -         | -         | -             |
| 5855MHz                         | Pass   | 9.06  | 3.25      | 3.44      | 2.98      | 3.86      | 9.36      | 18.42     | 20.00         |
| 802.11be EHT160_Nss1,(MCS0)_4TX | -      | -     | -         | -         | -         | -         | -         | -         | -             |
| 5815MHz                         | Pass   | 9.06  | -6.00     | -5.88     | -6.32     | -5.53     | 0.09      | 9.15      | 20.00         |

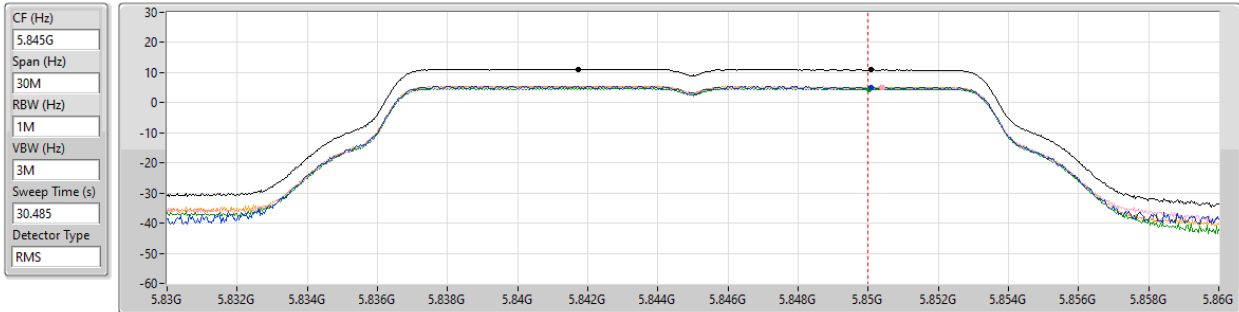
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
 Inf = There's no restriction for the limit.

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

PSD

5845MHz

10/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 11.17 | 8.16  | 500k      | -3.01 |

5850-5895MHz

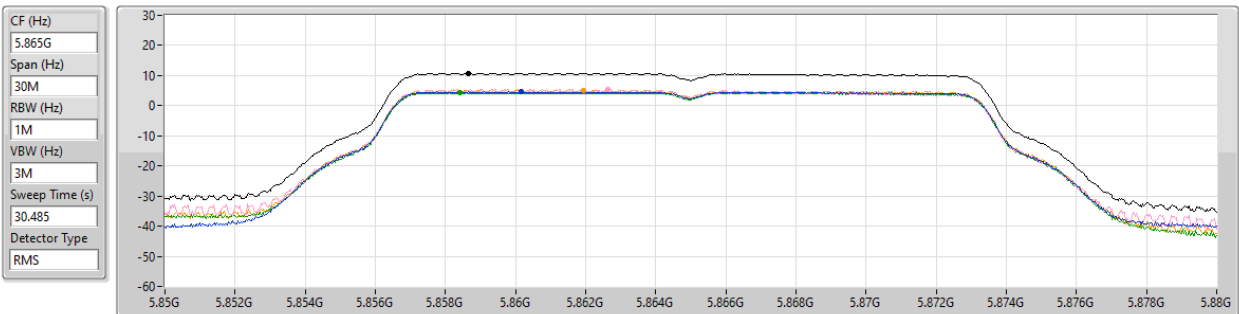
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.92     | 10.92     | 5.17      | 4.88      | 4.49      | 5.18      |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

PSD

5865MHz

10/12/2024



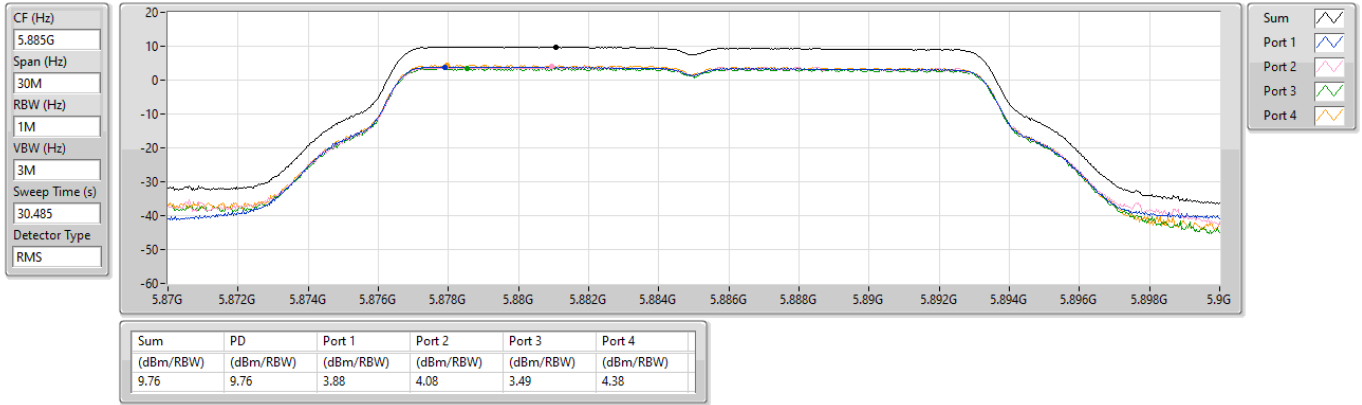
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.74     | 10.74     | 4.54      | 5.32      | 4.19      | 5.08      |

## 5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_4TX

PSD

5885MHz

10/12/2024

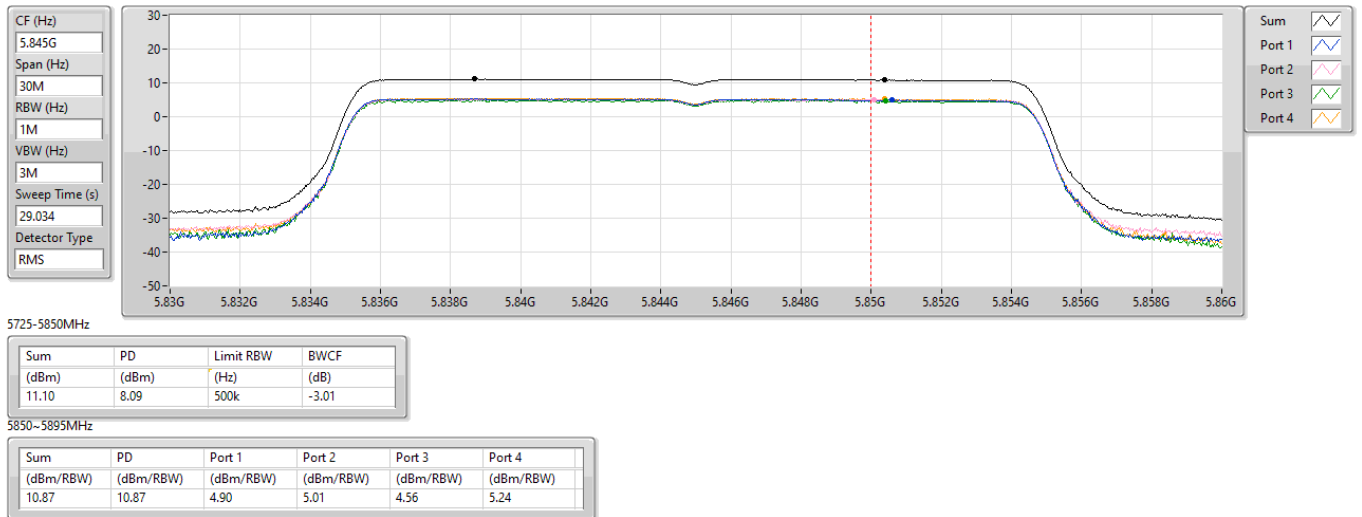


## 5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

PSD

5845MHz

10/12/2024



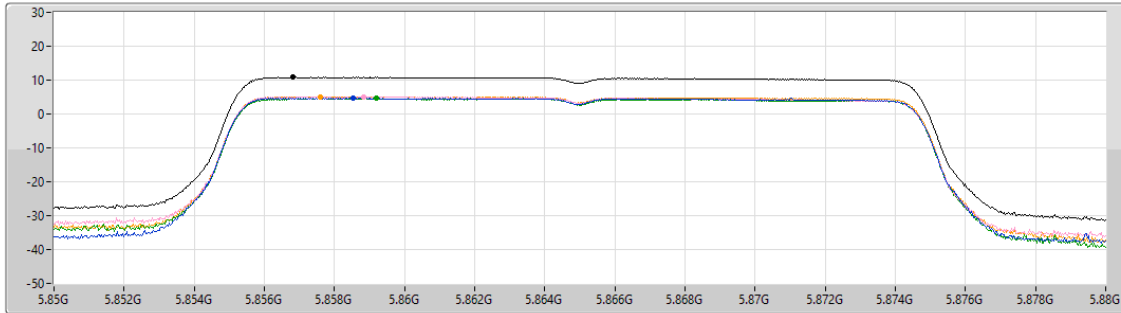
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

PSD

5865MHz

10/12/2024

CF (Hz)  
5.865G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
29.034  
Detector Type  
RMS



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.83     | 10.83     | 4.69      | 5.04      | 4.70      | 5.10      |

Sum  
Port 1  
Port 2  
Port 3  
Port 4

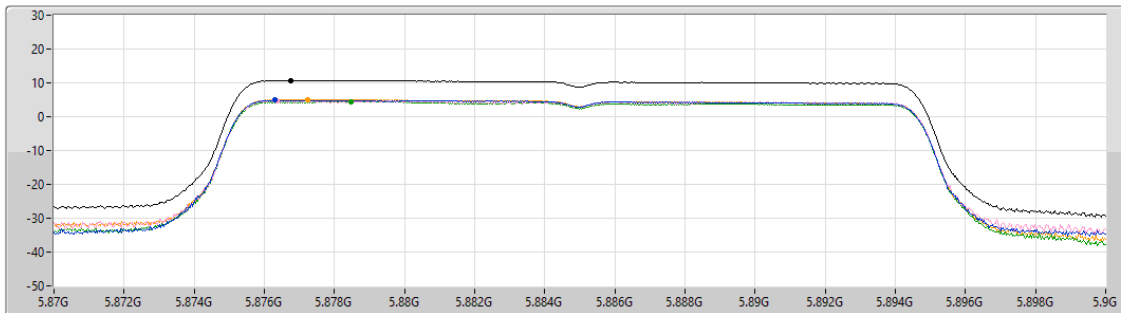
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_4TX

PSD

5885MHz

10/12/2024

CF (Hz)  
5.885G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
29.034  
Detector Type  
RMS



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.70     | 10.70     | 4.88      | 4.76      | 4.47      | 5.11      |

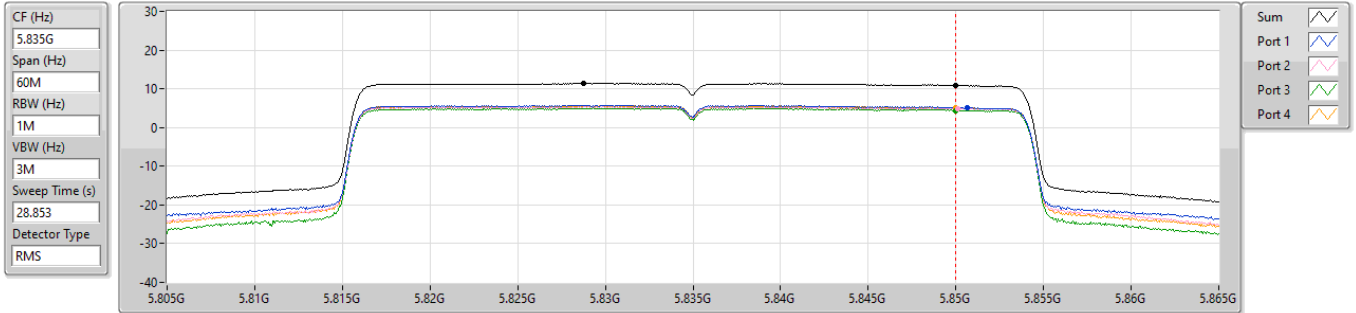
Sum  
Port 1  
Port 2  
Port 3  
Port 4

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

PSD

5835MHz

10/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 11.37 | 8.36  | 500k      | -3.01 |

5850-5895MHz

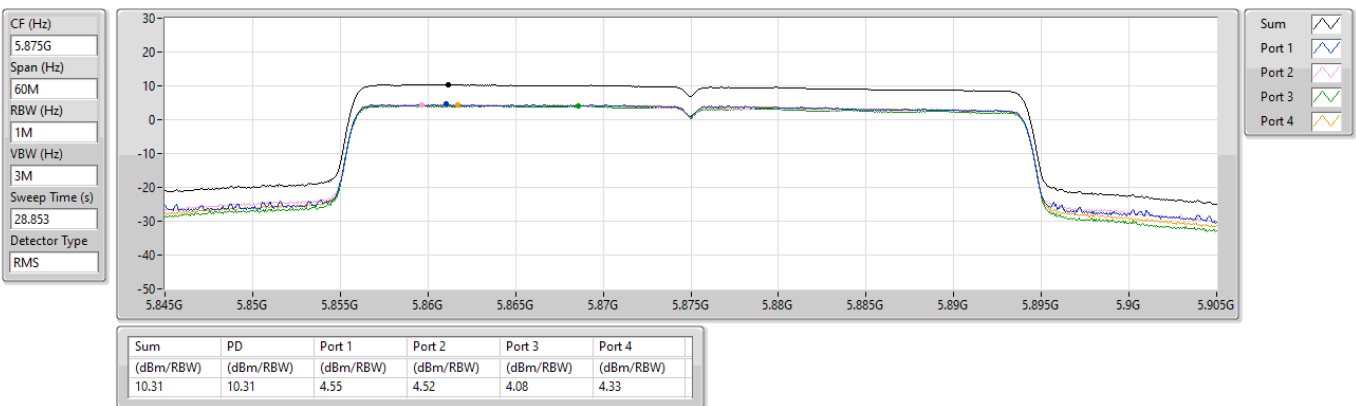
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.89     | 10.89     | 5.09      | 4.98      | 4.43      | 5.05      |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_4TX

PSD

5875MHz

10/12/2024

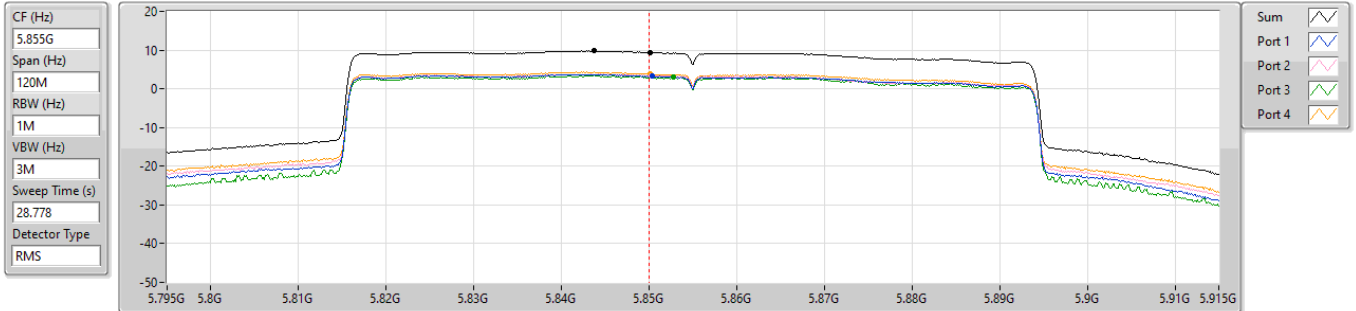


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_4TX

PSD

5855MHz

10/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 9.83  | 6.82  | 500k      | -3.01 |

5850-5895MHz

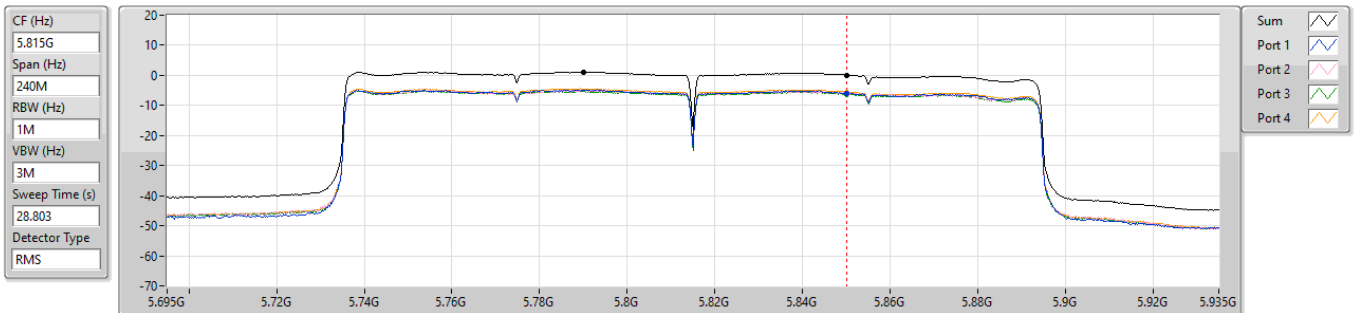
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.36      | 9.36      | 3.25      | 3.44      | 2.98      | 3.86      |

5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_4TX

PSD

5815MHz

10/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 1.06  | -1.95 | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.09      | 0.09      | -6.00     | -5.88     | -6.32     | -5.53     |

Test Mode: Mode 4

**Summary**

| Mode                            | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|---------------------------------|-----------------|----------------------|
| 5.725-5.895GHz                  | -               | -                    |
| 802.11a_Nss1,(6Mbps)_2TX        | 11.62           | 19.97                |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | 11.55           | 19.90                |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | 10.20           | 18.55                |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | 2.49            | 10.84                |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -2.52           | 5.83                 |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|---------------------------------|--------|-------------|---------------------|---------------------|-----------------|----------------------|----------------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5845MHz                         | Pass   | 8.35        | 8.87                | 8.54                | 11.59           | 19.94                | 20.00                      |
| 5865MHz                         | Pass   | 8.35        | 8.78                | 8.52                | 11.62           | 19.97                | 20.00                      |
| 5885MHz                         | Pass   | 8.35        | 8.87                | 8.48                | 11.55           | 19.90                | 20.00                      |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5845MHz                         | Pass   | 8.35        | 8.65                | 8.62                | 11.55           | 19.90                | 20.00                      |
| 5865MHz                         | Pass   | 8.35        | 8.76                | 8.32                | 11.45           | 19.80                | 20.00                      |
| 5885MHz                         | Pass   | 8.35        | 8.51                | 8.44                | 11.46           | 19.81                | 20.00                      |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5835MHz                         | Pass   | 8.35        | 6.48                | 6.88                | 9.66            | 18.01                | 20.00                      |
| 5875MHz                         | Pass   | 8.35        | 7.02                | 7.48                | 10.20           | 18.55                | 20.00                      |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5855MHz                         | Pass   | 8.35        | -0.74               | -0.16               | 2.49            | 10.84                | 20.00                      |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                    | -                          |
| 5815MHz                         | Pass   | 8.35        | -5.46               | -5.50               | -2.52           | 5.83                 | 20.00                      |

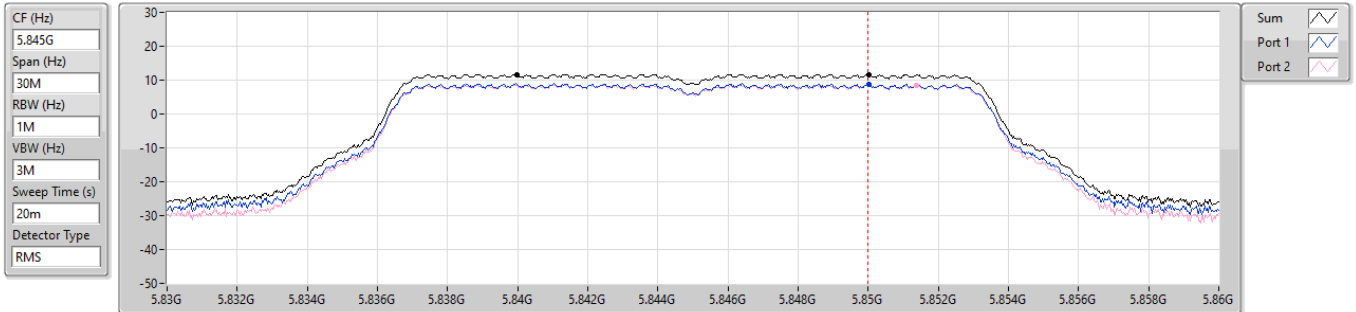
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
 Inf = There's no restriction for the limit.

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5845MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 11.66 | 8.65  | 500k      | -3.01 |

5850-5895MHz

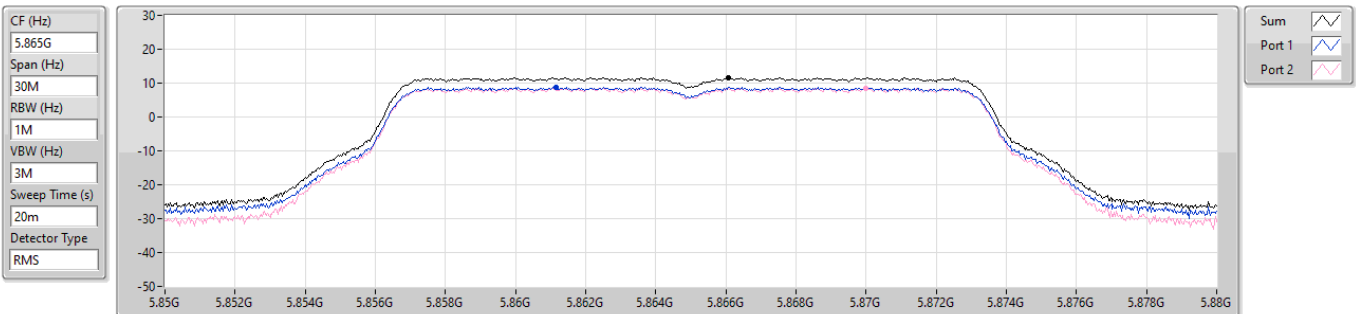
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.59     | 11.59     | 8.87      | 8.54      |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5865MHz

11/11/2024



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.62     | 11.62     | 8.78      | 8.52      |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5885MHz

11/11/2024

CF (Hz)  
5.885G

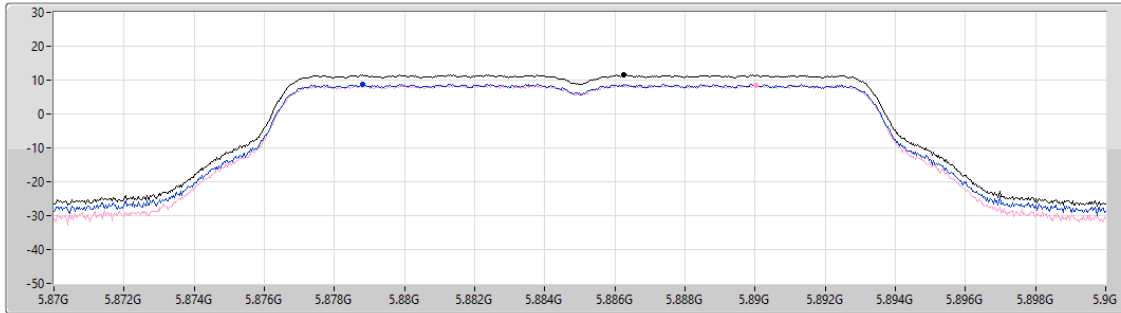
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
20m

Detector Type  
RMS



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.55     | 11.55     | 8.87      | 8.48      |

Sum

Port 1

Port 2

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

5845MHz

11/11/2024

CF (Hz)  
5.845G

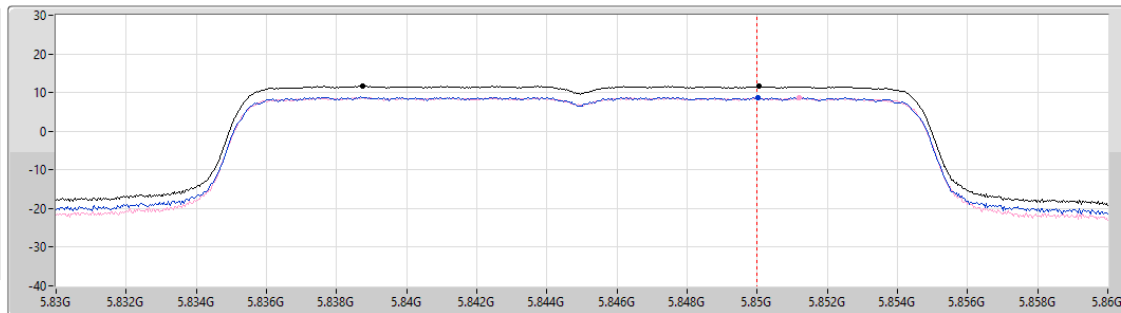
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
20m

Detector Type  
RMS



Sum

Port 1

Port 2

5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 11.70 | 8.69  | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.55     | 11.55     | 8.65      | 8.62      |

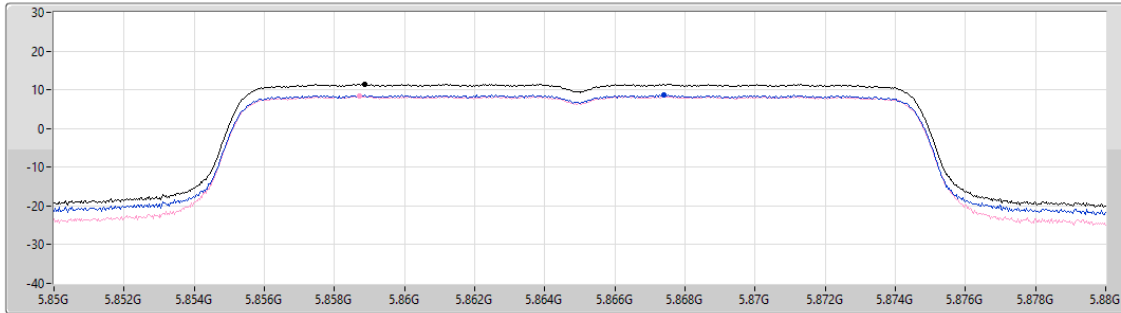
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

5865MHz

11/11/2024

CF (Hz)  
5.865G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 11.45    | 11.45    | 8.76     | 8.32     |

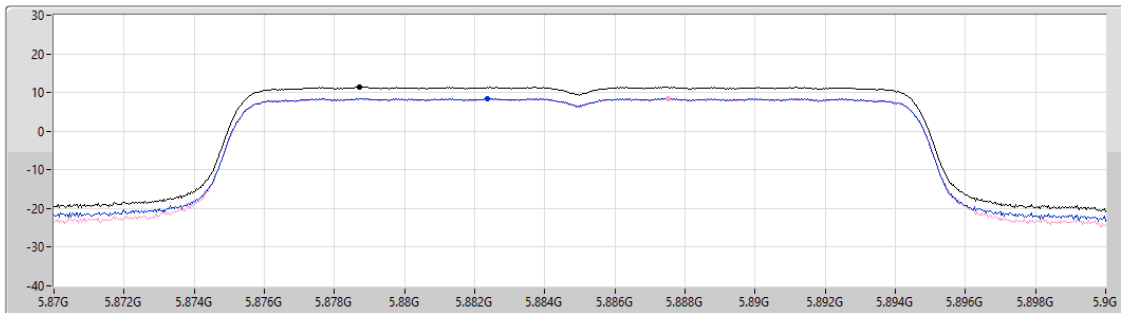
5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

5885MHz

11/11/2024

CF (Hz)  
5.885G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



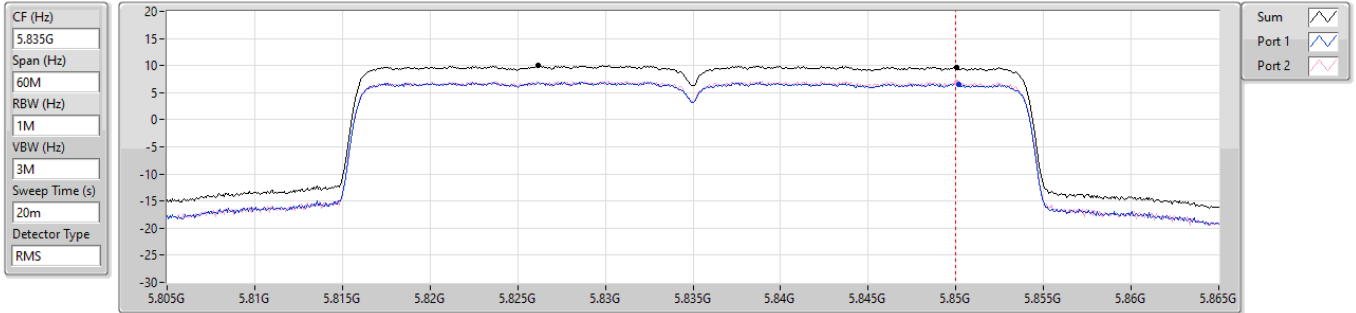
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 11.46    | 11.46    | 8.51     | 8.44     |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

PSD

5835MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 9.98  | 6.97  | 500k      | -3.01 |

5850-5895MHz

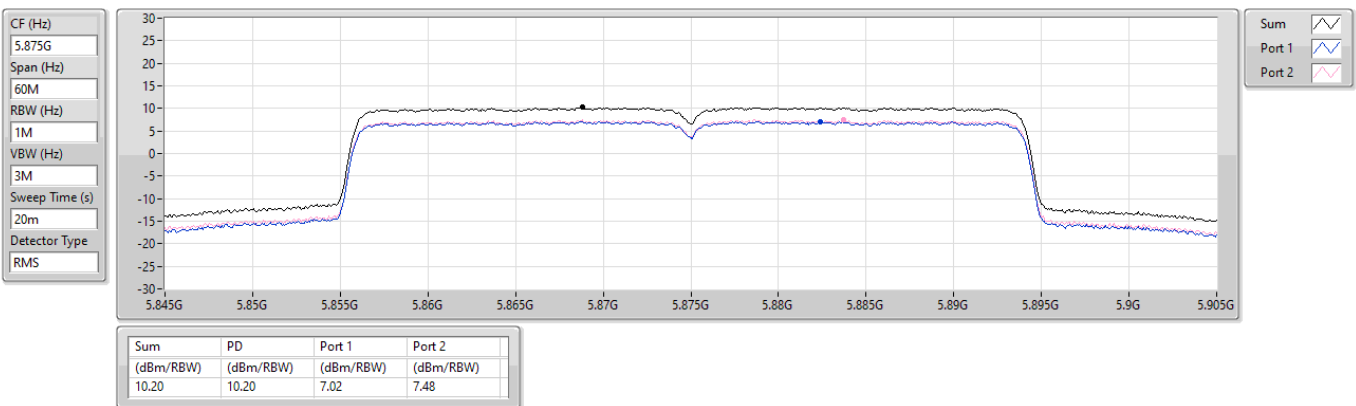
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.66      | 9.66      | 6.48      | 6.88      |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

PSD

5875MHz

11/11/2024

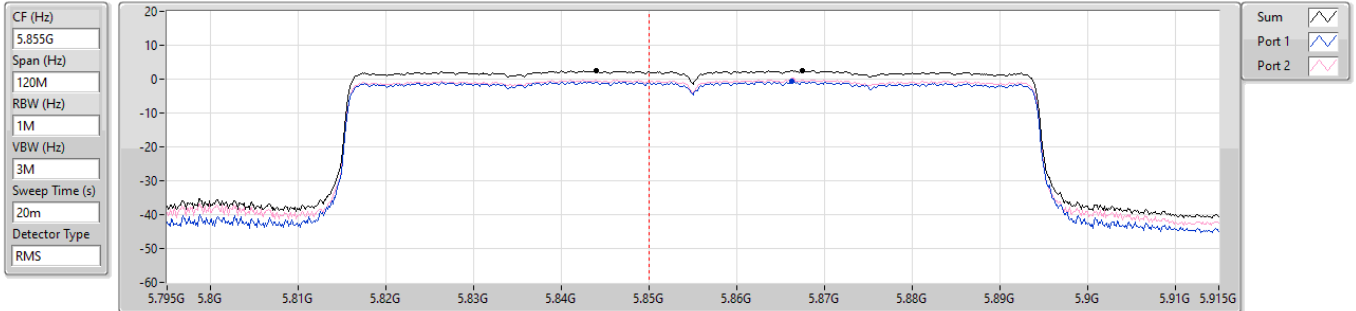


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

PSD

5855MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 2.39  | -0.62 | 500k      | -3.01 |

5850-5895MHz

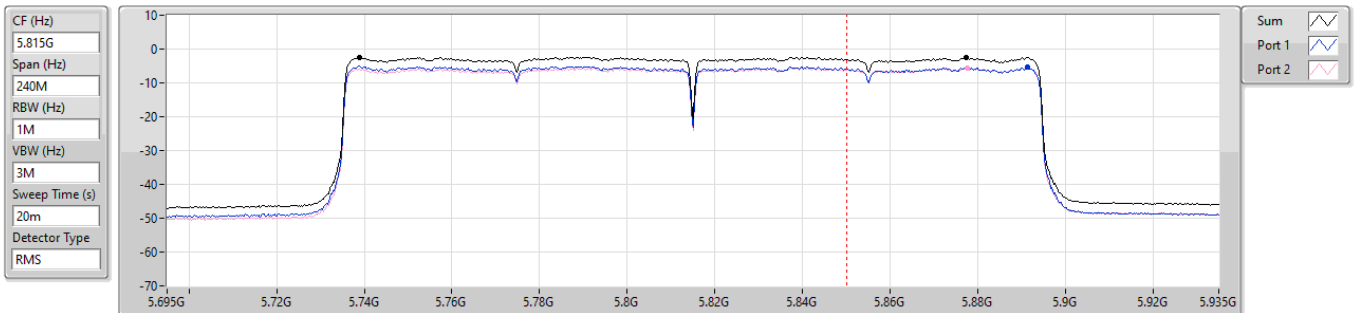
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.49      | 2.49      | -0.74     | -0.16     |

5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

PSD

5815MHz

11/11/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| -2.38 | -5.39 | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.52     | -2.52     | -5.46     | -5.50     |



Test Mode: Mode 5

Summary

| Mode                                              | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|---------------------------------------------------|-----------------|----------------------|
| 5.725-5.895GHz                                    | -               | -                    |
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX  | 8.11            | 15.39                |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX | 0.27            | 7.55                 |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**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) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|---------------------------------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX        | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5855MHz                                                 | Pass   | 7.28        | 2.6                 | 2.43                | 1.56                | 1.87                | 8.11            | Inf                   | 15.39                | 20.00                      |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 6_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5815MHz                                                 | Pass   | 7.28        | -4.89               | -5.69               | -7.18               | -5.56               | 0.24            | Inf                   | 7.52                 | 20.00                      |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5815MHz                                                 | Pass   | 7.28        | -4.93               | -5.74               | -6.95               | -5.5                | 0.27            | Inf                   | 7.55                 | 20.00                      |

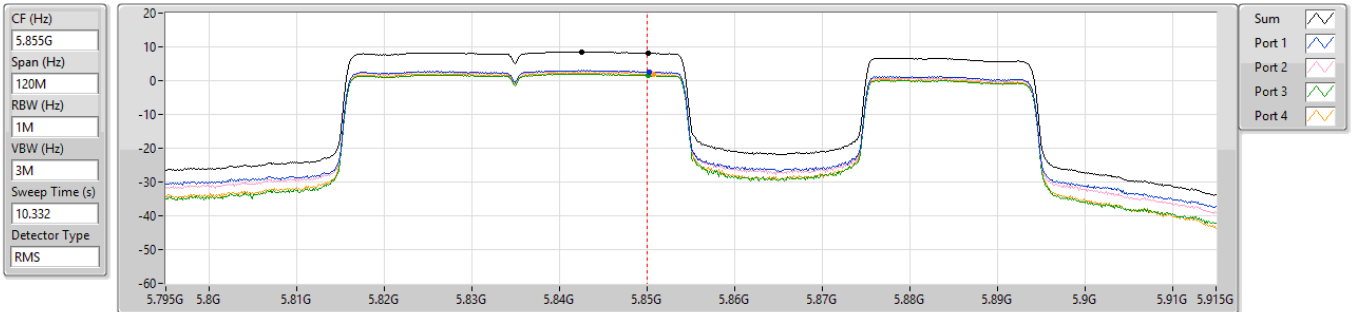
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
 Inf = There's no restriction for the limit.

## 5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0),RU484+RU242 MRU 3\_4TX

PSD

5855MHz

23/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 8.49  | 5.48  | 500k      | -3.01 |

5850-5895MHz

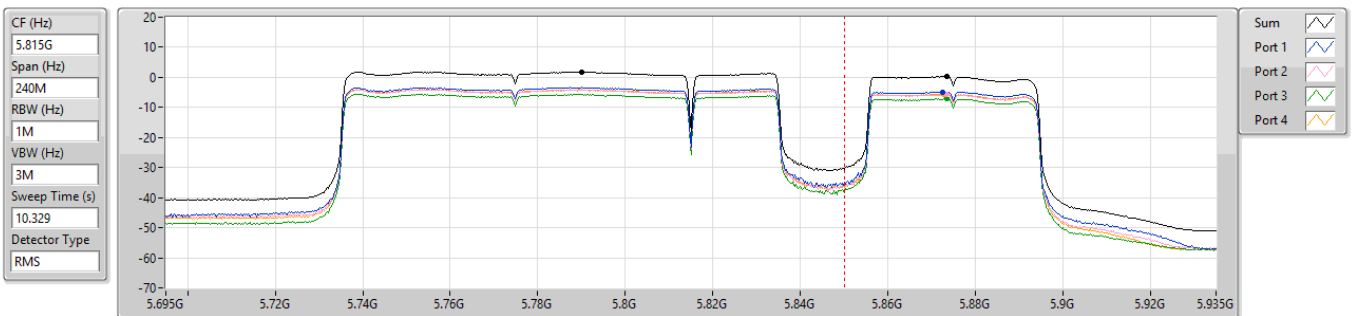
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.11      | 8.11      | 2.60      | 2.43      | 1.56      | 1.87      |

## 5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0),RU996+RU484+RU242 MRU 6\_4TX

PSD

5815MHz

23/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 1.75  | -1.26 | 500k      | -3.01 |

5850-5895MHz

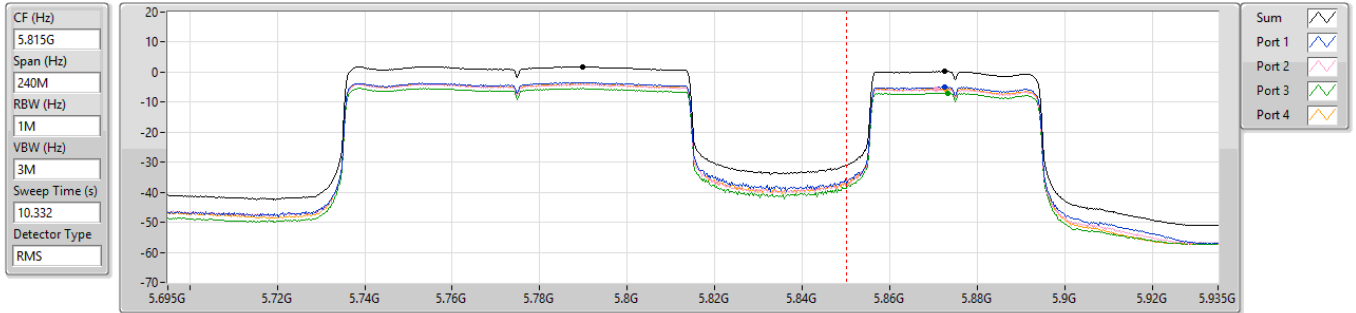
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.24      | 0.24      | -4.89     | -5.69     | -7.18     | -5.56     |

5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0),RU996+RU484 MRU 3\_4TX

PSD

5815MHz

23/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 1.84  | -1.17 | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.27      | 0.27      | -4.93     | -5.74     | -6.95     | -5.50     |



Test Mode: Mode 6

Summary

| Mode                                              | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|---------------------------------------------------|-----------------|----------------------|
| 5.725-5.895GHz                                    | -               | -                    |
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX  | 8.03            | 17.09                |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX | -0.34           | 8.72                 |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**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) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|---------------------------------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX        | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5855MHz                                                 | Pass   | 9.06        | 2.35                | 1.93                | 2.51                | 1.23                | 8.03            | Inf                   | 17.09                | 20.00                      |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 3_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5815MHz                                                 | Pass   | 9.06        | -6.14               | -6.77               | -7.02               | -6.73               | -0.67           | Inf                   | 8.39                 | 20.00                      |
| 802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5815MHz                                                 | Pass   | 9.06        | -6.07               | -6.53               | -6.28               | -6.29               | -0.34           | Inf                   | 8.72                 | 20.00                      |

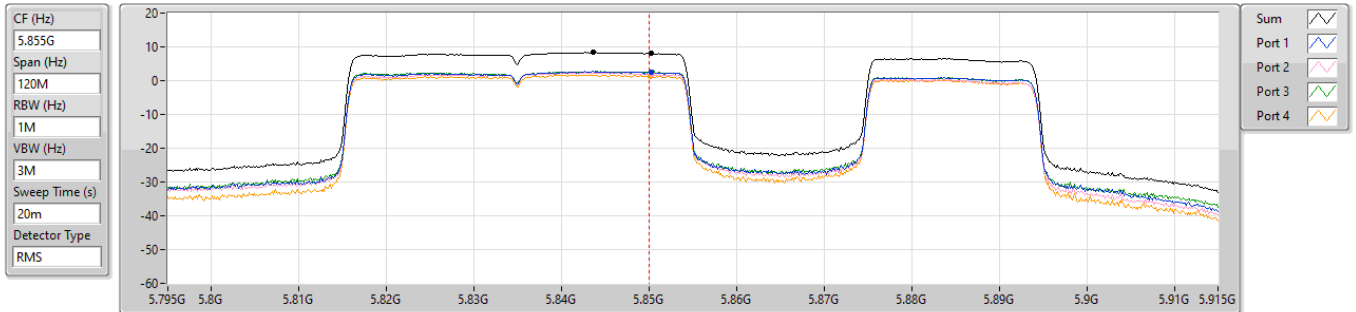
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
 Inf = There's no restriction for the limit.

## 5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0),RU484+RU242 MRU 3\_4TX

PSD

5855MHz

26/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 8.40  | 5.39  | 500k      | -3.01 |

5850-5895MHz

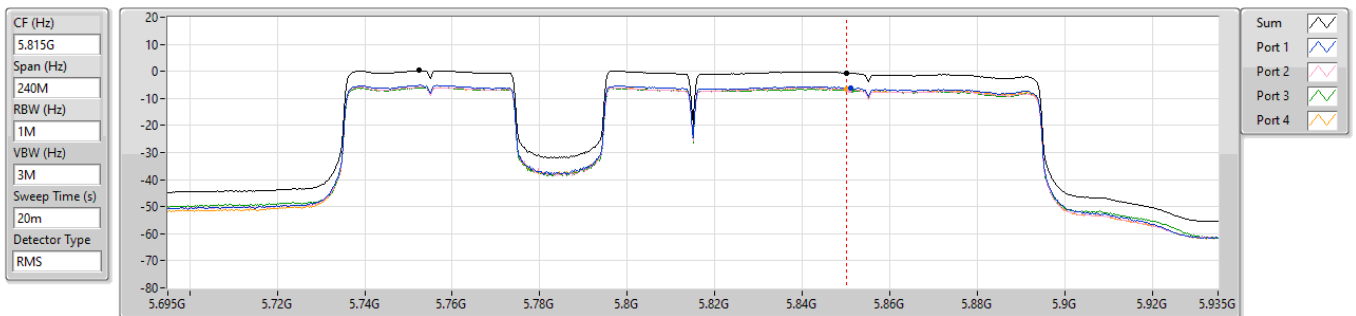
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.03      | 8.03      | 2.35      | 1.93      | 2.51      | 1.23      |

## 5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0),RU996+RU484+RU242 MRU 3\_4TX

PSD

5815MHz

26/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 0.31  | -2.70 | 500k      | -3.01 |

5850-5895MHz

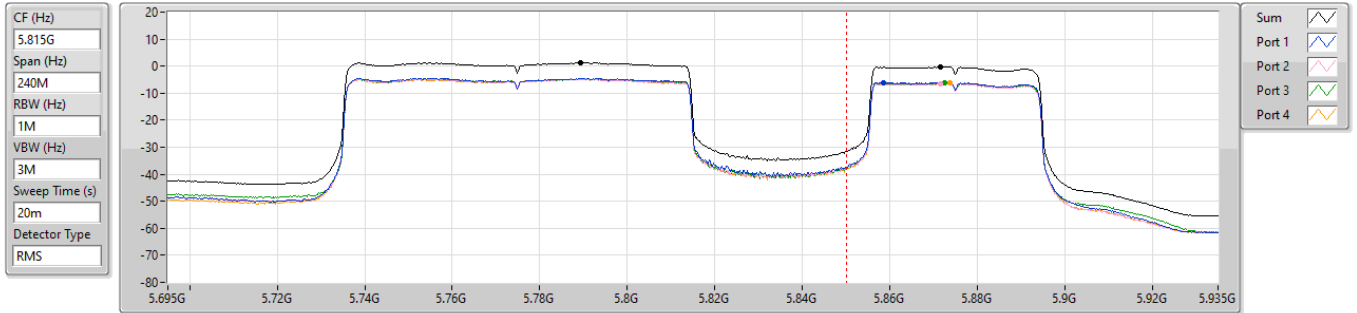
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.67     | -0.67     | -6.14     | -6.77     | -7.02     | -6.73     |

5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0),RU996+RU484 MRU 3\_4TX

PSD

5815MHz

26/12/2024



5725-5850MHz

| Sum   | PD    | Limit RBW | BWCF  |
|-------|-------|-----------|-------|
| (dBm) | (dBm) | (Hz)      | (dB)  |
| 1.18  | -1.83 | 500k      | -3.01 |

5850-5895MHz

| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.34     | -0.34     | -6.07     | -6.53     | -6.28     | -6.29     |



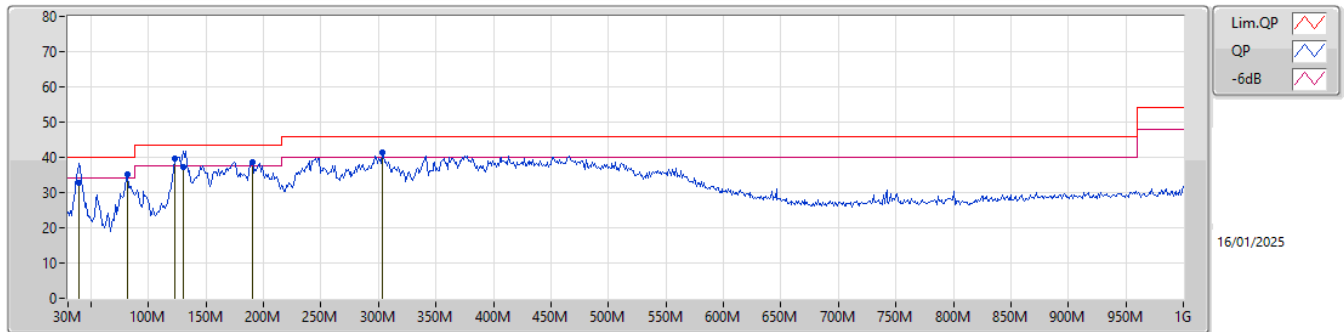
## ***Radiated Emissions below 1GHz***

## ***Appendix E.1***

### **Summary**

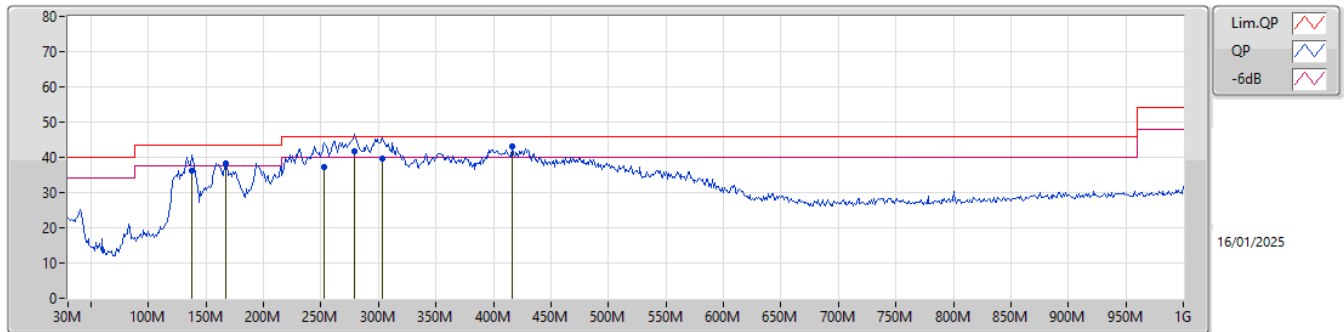
| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Condition  |
|--------|--------|------|--------------|-------------------|-------------------|----------------|------------|
| Mode 2 | Pass   | PK   | 416.06M      | 42.94             | 46.00             | -3.06          | Horizontal |

### Mode 2



| 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) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |  |  |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|-----------|----------------|---------------|---------|---------------|--------------|------------|------------|--|--|
| QP   | 39.7M        | 32.87             | 40.00             | -7.13          | -11.25           | 3           | Vertical  | 12             | 1.00          | -       | 44.12         | 19.23        | 1.07       | 31.55      |  |  |
| PK   | 81.41M       | 35.34             | 40.00             | -4.66          | -17.05           | 3           | Vertical  | 187            | 1.50          | -       | 52.39         | 13.25        | 1.42       | 31.72      |  |  |
| PK   | 123.12M      | 39.59             | 43.50             | -3.91          | -11.87           | 3           | Vertical  | 360            | 1.25          | "Worst" | 51.46         | 18.19        | 1.69       | 31.75      |  |  |
| QP   | 129.91M      | 37.11             | 43.50             | -6.39          | -12.04           | 3           | Vertical  | 7              | 1.00          | -       | 49.15         | 17.98        | 1.73       | 31.75      |  |  |
| PK   | 190.05M      | 38.72             | 43.50             | -4.78          | -14.71           | 3           | Vertical  | 245            | 1.25          | -       | 53.43         | 14.98        | 2.08       | 31.77      |  |  |
| PK   | 303.54M      | 41.49             | 46.00             | -4.51          | -9.91            | 3           | Vertical  | 313            | 1.00          | -       | 51.40         | 19.28        | 2.66       | 31.85      |  |  |

### Mode 2



| 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) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |  |  |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|------------|----------------|---------------|---------|---------------|--------------|------------|------------|--|--|
| QP   | 137.67M      | 36.26             | 43.50             | -7.24          | -12.50           | 3           | Horizontal | 60             | 1.50          | -       | 48.76         | 17.47        | 1.78       | 31.75      |  |  |
| PK   | 166.77M      | 38.38             | 43.50             | -5.12          | -14.00           | 3           | Horizontal | 211            | 2.00          | -       | 52.38         | 15.83        | 1.94       | 31.77      |  |  |
| QP   | 253.1M       | 37.26             | 46.00             | -8.74          | -10.79           | 3           | Horizontal | 87             | 1.50          | -       | 48.05         | 18.62        | 2.41       | 31.82      |  |  |
| QP   | 279.29M      | 41.78             | 46.00             | -4.22          | -10.50           | 3           | Horizontal | 267            | 1.50          | -       | 52.28         | 18.79        | 2.54       | 31.83      |  |  |
| QP   | 303.54M      | 39.79             | 46.00             | -6.21          | -9.91            | 3           | Horizontal | 279            | 1.00          | -       | 49.70         | 19.28        | 2.66       | 31.85      |  |  |
| PK   | 416.06M      | 42.94             | 46.00             | -3.06          | -6.57            | 3           | Horizontal | 271            | 1.00          | "Worst" | 49.51         | 22.31        | 3.13       | 32.01      |  |  |



Test Mode: Mode 1

Summary

| Mode                            | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | EIRP<br>(dBm) | Psum<br>(dBm) | P2<br>(dBm) | P1<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | DG<br>(dBi) |
|---------------------------------|--------|-----------------|----------------|------|---------------|---------------|-------------|-------------|----------------|----------------|-------------|
| 5.725-5.895GHz                  | -      | -               | -              | -    | -             | -             | -           | -           | -              | -              | -           |
| 802.11a_Nss1,(6Mbps)_2TX        | Pass   | 1G              | 8G             | AV   | -48.04        | -53.87        | -58.34      | -55.79      | -41.20         | -6.84          | 5.83        |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | Pass   | 1G              | 8G             | AV   | -47.85        | -53.68        | -56.73      | -56.66      | -41.20         | -6.65          | 5.83        |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | Pass   | 1G              | 8G             | PK   | -31.77        | -37.60        | -42.31      | -39.39      | -27.00         | -4.77          | 5.83        |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | Pass   | 1G              | 8G             | PK   | -32.44        | -38.27        | -39.33      | -44.90      | -27.00         | -5.44          | 5.83        |
| 802.11be EHT160_Nss1,(MCS0)_2TX | Pass   | 1G              | 8G             | PK   | -32.69        | -38.52        | -44.33      | -39.84      | -27.00         | -5.69          | 5.83        |

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



## Result

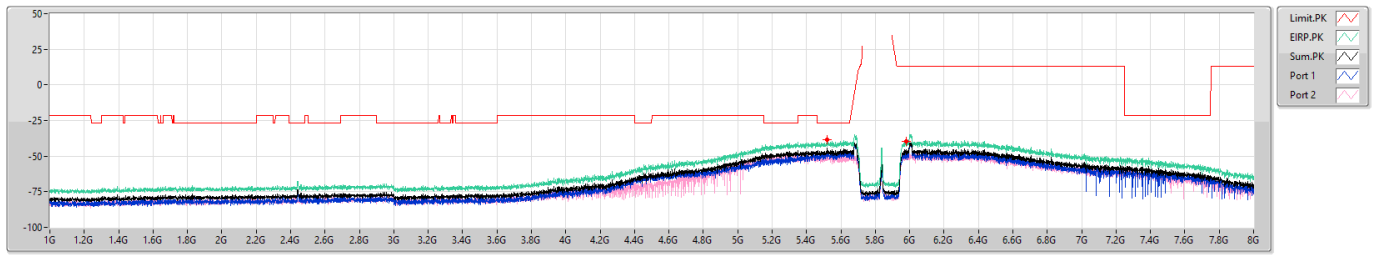
| Mode                            | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | P2<br>(dBm) |
|---------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|-------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.42838G     | 5.83        | -55.79      | -58.34      | -53.87        | -48.04        | -41.20         | -6.84          | -58.34      |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.98575G     | 5.83        | -54.84      | -57.38      | -52.92        | -47.09        | -7.00          | -40.09         | -57.38      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.52025G     | 5.83        | -45.17      | -51.05      | -44.17        | -38.34        | -27.00         | -11.34         | -51.05      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.9805G      | 5.83        | -46.76      | -50.76      | -45.30        | -39.47        | 13.00          | -52.47         | -50.76      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.45725G     | 5.83        | -57.02      | -57.31      | -54.15        | -48.32        | -41.20         | -7.12          | -57.31      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.97438G     | 5.83        | -55.12      | -56.53      | -52.76        | -46.93        | -7.00          | -39.93         | -56.53      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.62088G     | 5.83        | -47.22      | -49.12      | -45.06        | -39.23        | -27.00         | -12.23         | -49.12      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.98488G     | 5.83        | -45.77      | -50.83      | -44.59        | -38.76        | 13.00          | -51.76         | -50.83      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.438G       | 5.83        | -56.35      | -58.09      | -54.12        | -48.29        | -41.20         | -7.09          | -58.09      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.96125G     | 5.83        | -51.84      | -55.29      | -50.22        | -44.39        | -7.00          | -37.39         | -55.29      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.63575G     | 5.83        | -46.19      | -53.28      | -45.41        | -39.58        | -27.00         | -12.58         | -53.28      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.96125G     | 5.83        | -43.70      | -47.02      | -42.04        | -36.21        | 13.00          | -49.21         | -47.02      |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.43625G     | 5.83        | -56.66      | -56.73      | -53.68        | -47.85        | -41.20         | -6.65          | -56.73      |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.97963G     | 5.83        | -53.42      | -55.96      | -51.50        | -45.67        | -7.00          | -38.67         | -55.96      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.57713G     | 5.83        | -44.38      | -49.77      | -43.28        | -37.45        | -27.00         | -10.45         | -49.77      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.96475G     | 5.83        | -43.03      | -48.38      | -41.92        | -36.09        | 13.00          | -49.09         | -48.38      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.38463G     | 5.83        | -56.94      | -56.74      | -53.83        | -48.00        | -41.20         | -6.80          | -56.74      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.96475G     | 5.83        | -52.60      | -53.84      | -50.17        | -44.34        | -7.00          | -37.34         | -53.84      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.627G       | 5.83        | -46.13      | -50.19      | -44.69        | -38.86        | -27.00         | -11.86         | -50.19      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.95775G     | 5.83        | -43.82      | -41.65      | -39.59        | -33.76        | 13.00          | -46.76         | -41.65      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.403G       | 5.83        | -57.00      | -57.19      | -54.08        | -48.25        | -41.20         | -7.05          | -57.19      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.95863G     | 5.83        | -49.08      | -50.68      | -46.80        | -40.97        | -7.00          | -33.97         | -50.68      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.6305G      | 5.83        | -47.15      | -49.23      | -45.06        | -39.23        | -27.00         | -12.23         | -49.23      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.9525G      | 5.83        | -37.21      | -41.72      | -35.89        | -30.06        | 13.00          | -43.06         | -41.72      |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5835MHz                         | Pass   | 1G              | 8G             | AV   | 5.43625G     | 5.83        | -56.52      | -56.84      | -53.67        | -47.84        | -41.20         | -6.64          | -56.84      |
| 5835MHz                         | Pass   | 1G              | 8G             | AV   | 5.97283G     | 5.83        | -46.70      | -46.50      | -43.59        | -37.76        | -7.00          | -30.76         | -46.50      |
| 5835MHz                         | Pass   | 1G              | 8G             | PK   | 5.64975G     | 5.83        | -39.39      | -42.31      | -37.60        | -31.77        | -27.00         | -4.77          | -42.31      |
| 5835MHz                         | Pass   | 1G              | 8G             | PK   | 5.95338G     | 5.83        | -36.20      | -37.28      | -33.70        | -27.87        | 13.00          | -40.87         | -37.28      |
| 5875MHz                         | Pass   | 1G              | 8G             | AV   | 5.44675G     | 5.83        | -55.79      | -57.78      | -53.66        | -47.83        | -41.20         | -6.63          | -57.78      |
| 5875MHz                         | Pass   | 1G              | 8G             | AV   | 5.97088G     | 5.83        | -42.67      | -42.38      | -39.51        | -33.68        | -7.00          | -26.68         | -42.38      |
| 5875MHz                         | Pass   | 1G              | 8G             | PK   | 5.64975G     | 5.83        | -43.13      | -44.59      | -40.79        | -34.96        | -27.00         | -7.96          | -44.59      |
| 5875MHz                         | Pass   | 1G              | 8G             | PK   | 5.9805G      | 5.83        | -33.03      | -31.17      | -28.99        | -23.16        | 13.00          | -36.16         | -31.17      |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5855MHz                         | Pass   | 1G              | 8G             | AV   | 5.44413G     | 5.83        | -58.48      | -59.34      | -55.88        | -50.05        | -41.20         | -8.85          | -59.34      |
| 5855MHz                         | Pass   | 1G              | 8G             | AV   | 5.9595G      | 5.83        | -47.08      | -46.05      | -43.52        | -37.69        | -7.00          | -30.69         | -46.05      |
| 5855MHz                         | Pass   | 1G              | 8G             | PK   | 5.6305G      | 5.83        | -44.90      | -39.33      | -38.27        | -32.44        | -27.00         | -5.44          | -39.33      |
| 5855MHz                         | Pass   | 1G              | 8G             | PK   | 5.95338G     | 5.83        | -35.38      | -33.68      | -31.44        | -25.61        | 13.00          | -38.61         | -33.68      |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5815MHz                         | Pass   | 1G              | 8G             | AV   | 5.43975G     | 5.83        | -59.57      | -60.06      | -56.80        | -50.97        | -41.20         | -9.77          | -60.06      |
| 5815MHz                         | Pass   | 1G              | 8G             | AV   | 5.98313G     | 5.83        | -53.46      | -53.09      | -50.26        | -44.43        | -7.00          | -37.43         | -53.09      |
| 5815MHz                         | Pass   | 1G              | 8G             | AV   | 7.67713G     | 5.83        | -57.27      | -57.84      | -54.54        | -48.71        | -41.20         | -7.51          | -57.84      |
| 5815MHz                         | Pass   | 1G              | 8G             | PK   | 5.64275G     | 5.83        | -39.84      | -44.33      | -38.52        | -32.69        | -27.00         | -5.69          | -44.33      |
| 5815MHz                         | Pass   | 1G              | 8G             | PK   | 5.9595G      | 5.83        | -42.33      | -42.88      | -39.59        | -33.76        | 13.00          | -46.76         | -42.88      |

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

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [PK]

5845MHz

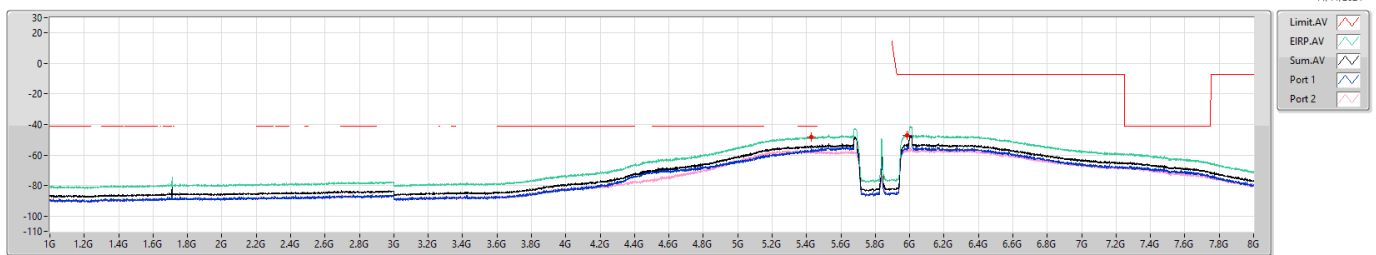


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | RefI(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|----------|-----------|---------|---------|
| 1G          | 8G         | 1M      | PK   | 5.52025G | -38.34    | -27.00     | -11.34     | 5.83   | 0.00     | -44.17    | -45.17  | -51.05  |
| 1G          | 8G         | 1M      | PK   | 5.9805G  | -39.47    | 13.00      | -52.47     | 5.83   | 0.00     | -45.30    | -46.76  | -50.76  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [AV]

5845MHz



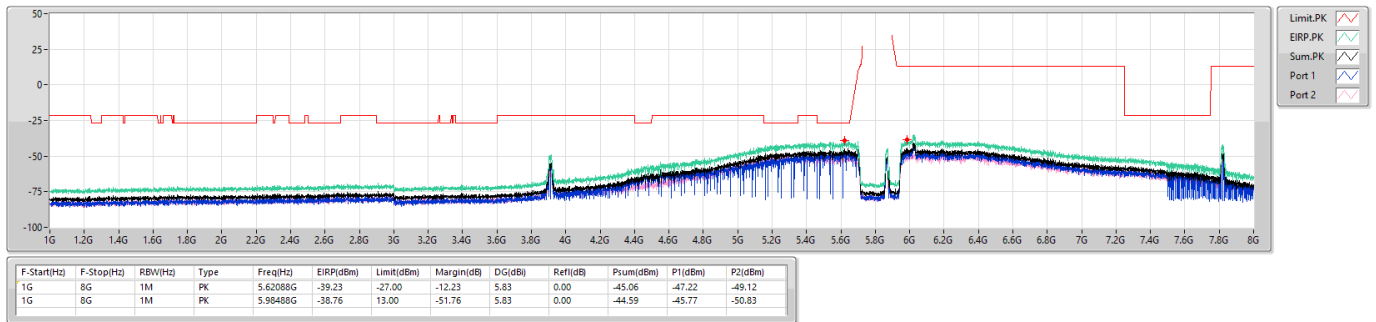
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | RefI(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|----------|-----------|---------|---------|
| 1G          | 8G         | 1M      | AV   | 5.42838G | -48.04    | -41.20     | -6.84      | 5.83   | 0.00     | -53.87    | -55.79  | -58.34  |
| 1G          | 8G         | 1M      | AV   | 5.98575G | -47.09    | -7.00      | -40.09     | 5.83   | 0.00     | -52.92    | -54.84  | -57.38  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [PK]

5865MHz

11/11/2024

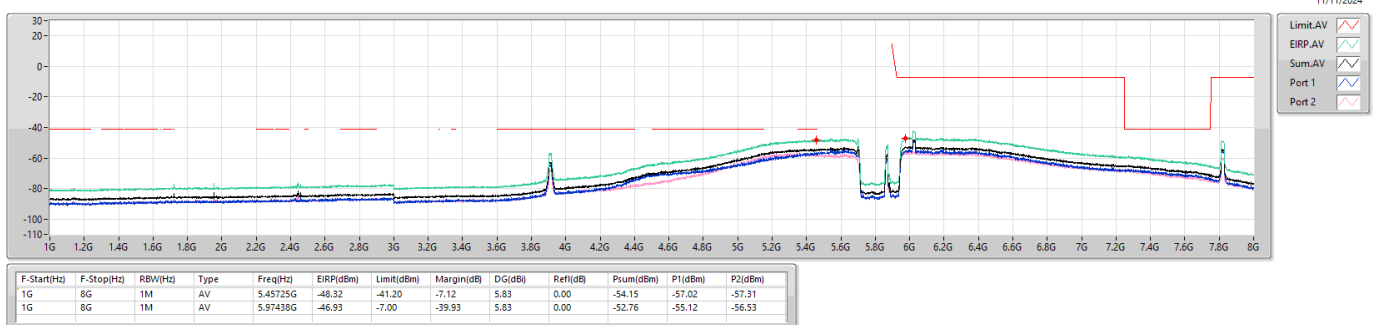


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [AV]

5865MHz

11/11/2024

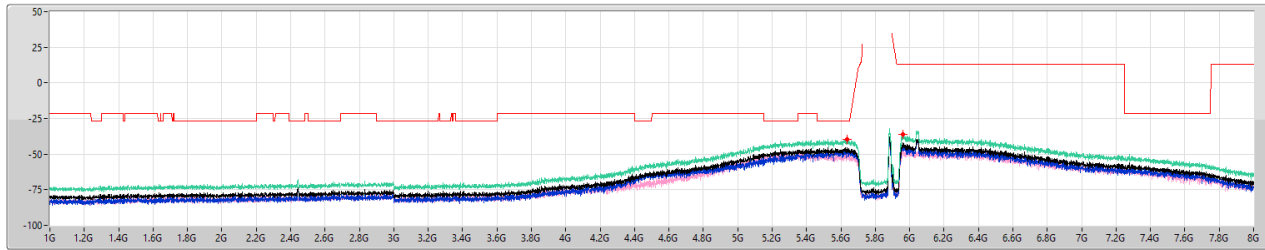


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [PK]

5885MHz

11/11/2024



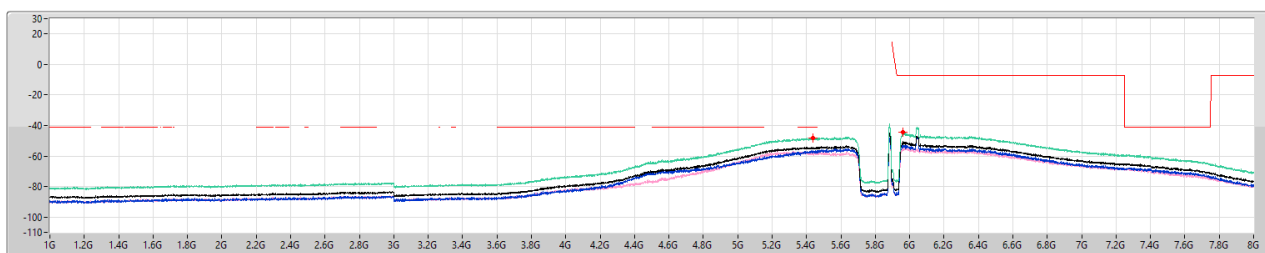
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 8G         | 1M      | PK   | 5.63575G | -39.58    | -27.00     | -12.58     | 5.83   | 0.00    | -45.41    | -46.19  | -53.28  |
| 1G          | 8G         | 1M      | PK   | 5.96125G | -36.21    | 13.00      | -49.21     | 5.83   | 0.00    | -42.04    | -43.70  | -47.02  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [AV]

5885MHz

11/11/2024



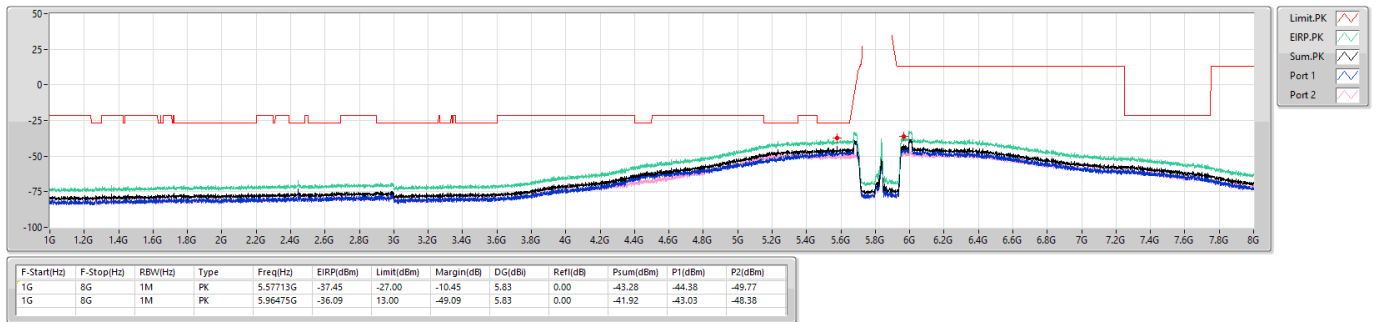
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 8G         | 1M      | AV   | 5.438G   | -48.29    | -41.20     | -7.09      | 5.83   | 0.00    | -54.12    | -56.35  | -58.09  |
| 1G          | 8G         | 1M      | AV   | 5.96125G | -44.39    | -7.00      | -37.39     | 5.83   | 0.00    | -50.22    | -51.84  | -55.29  |

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5845MHz

11/11/2024

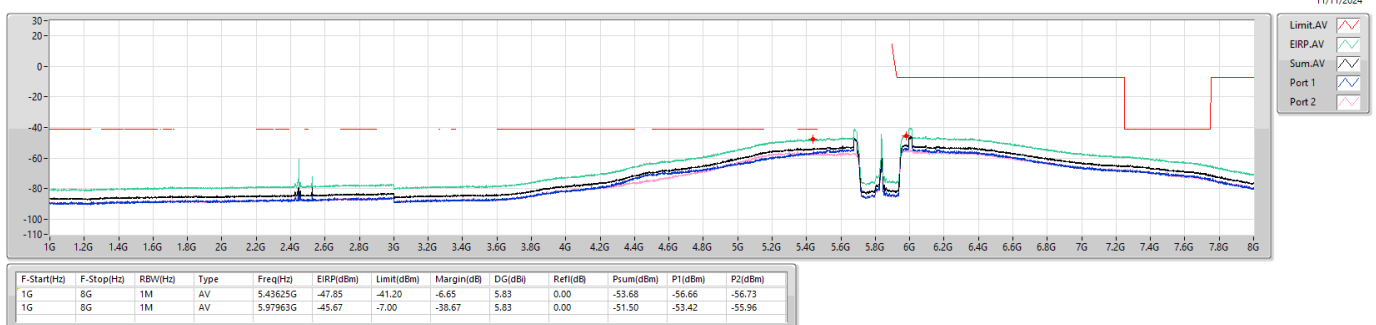


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5845MHz

11/11/2024

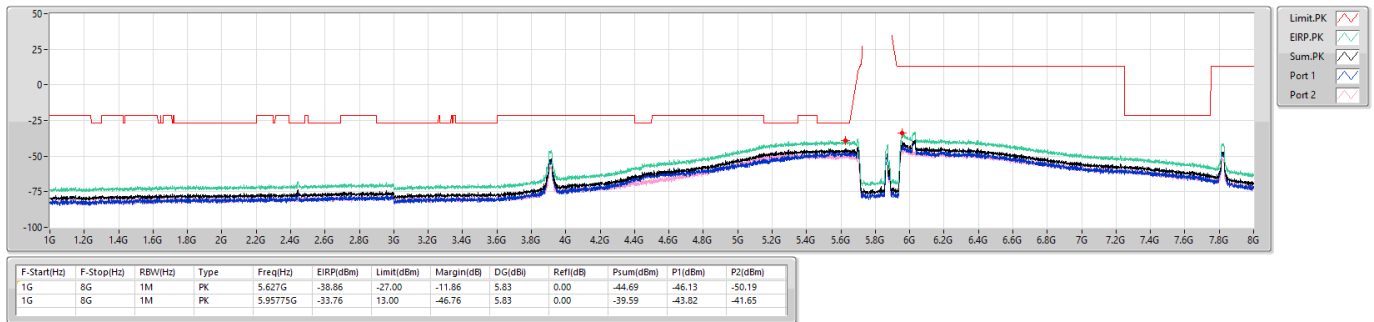


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5865MHz

11/11/2024

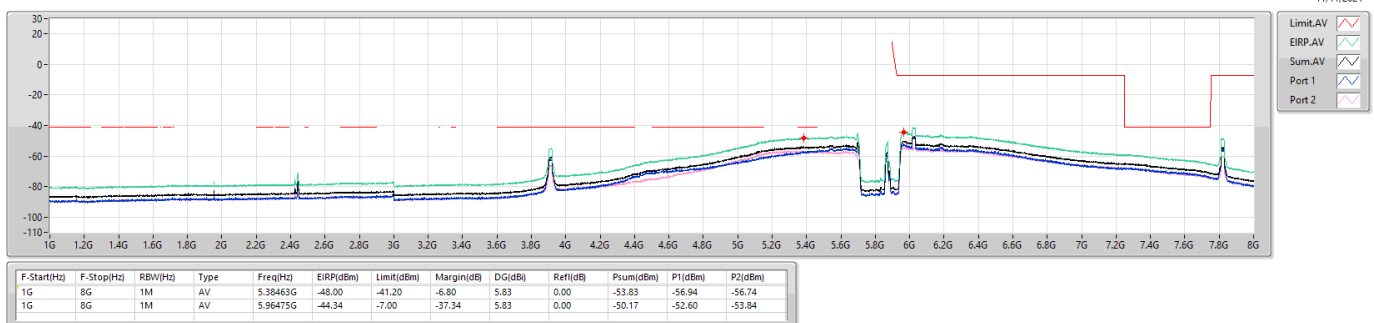


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5865MHz

11/11/2024

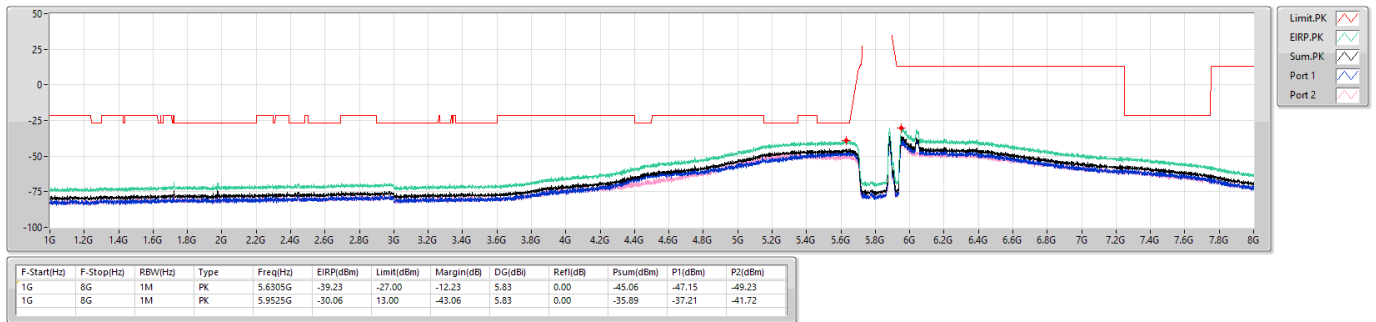


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5885MHz

11/11/2024

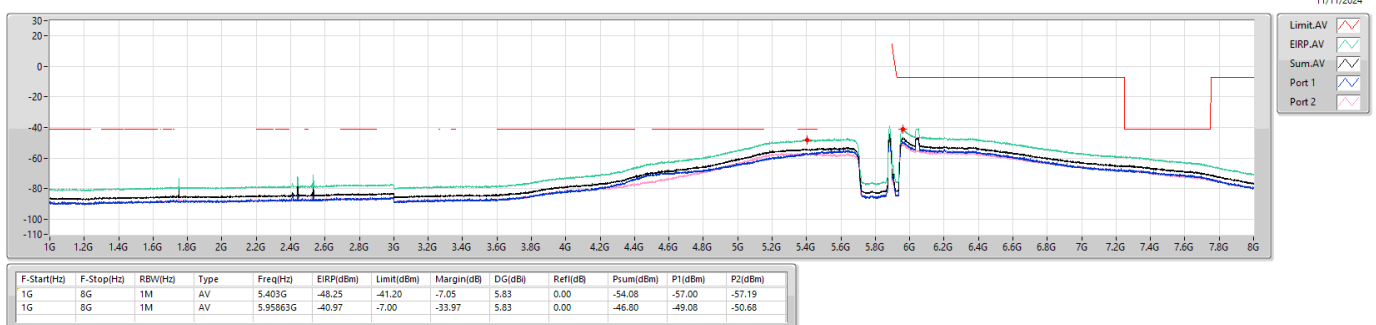


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5885MHz

11/11/2024

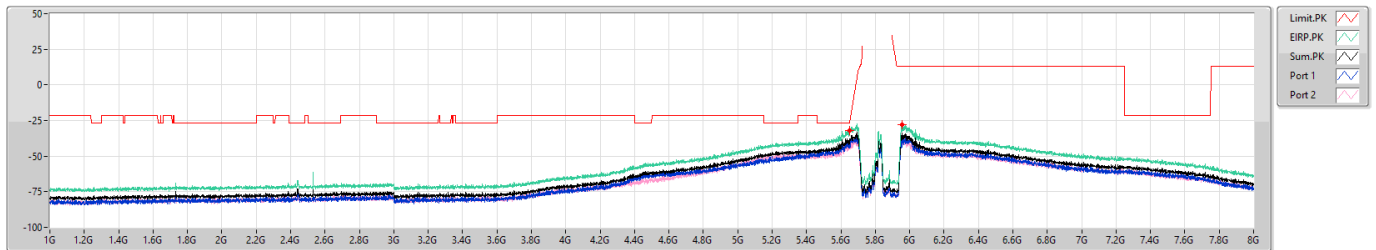


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5835MHz

11/11/2024

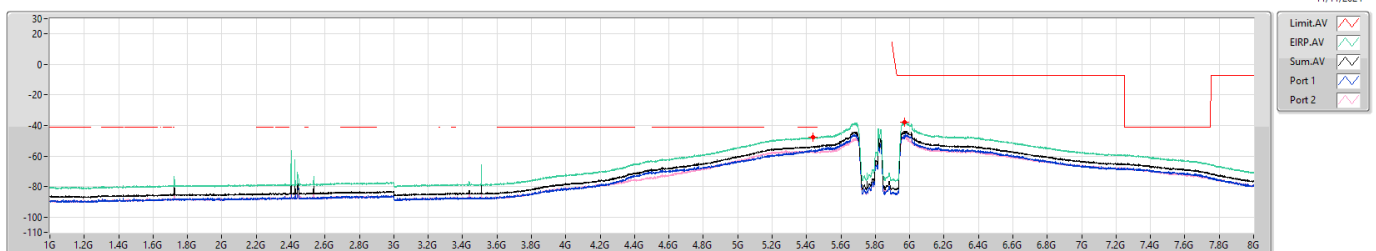


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5835MHz

11/11/2024

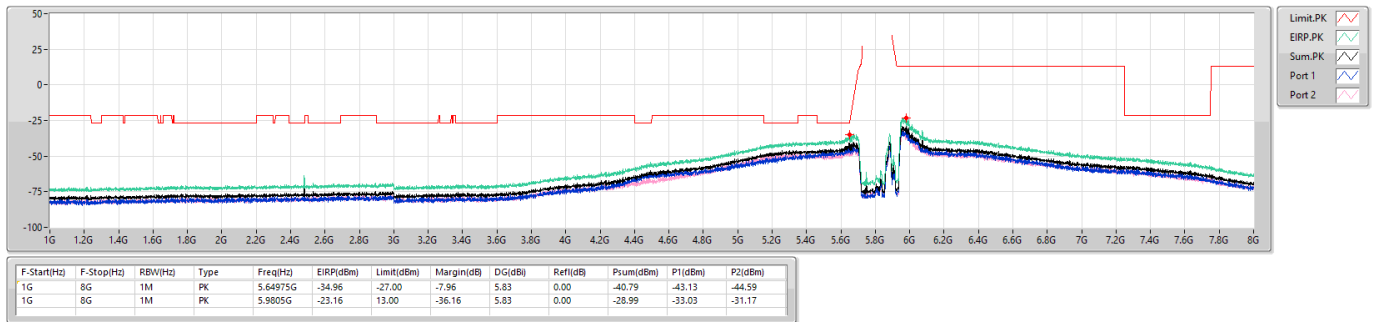


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5875MHz

11/11/2024

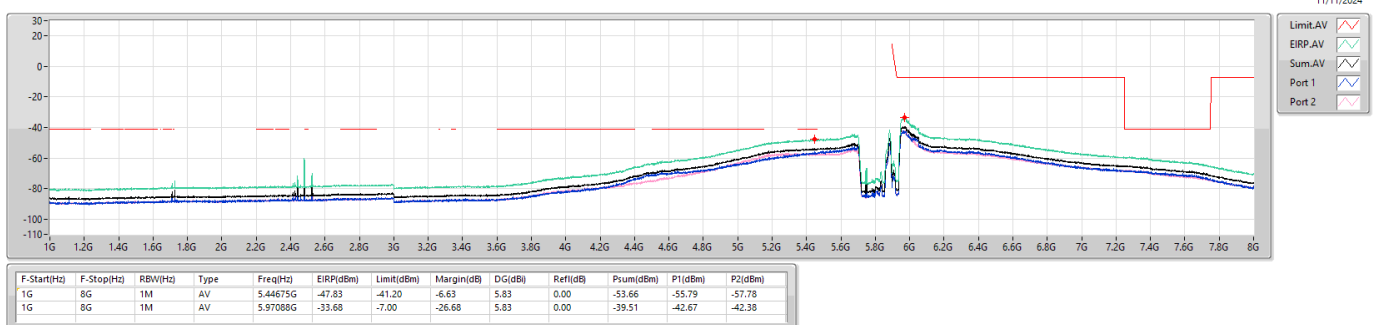


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5875MHz

11/11/2024

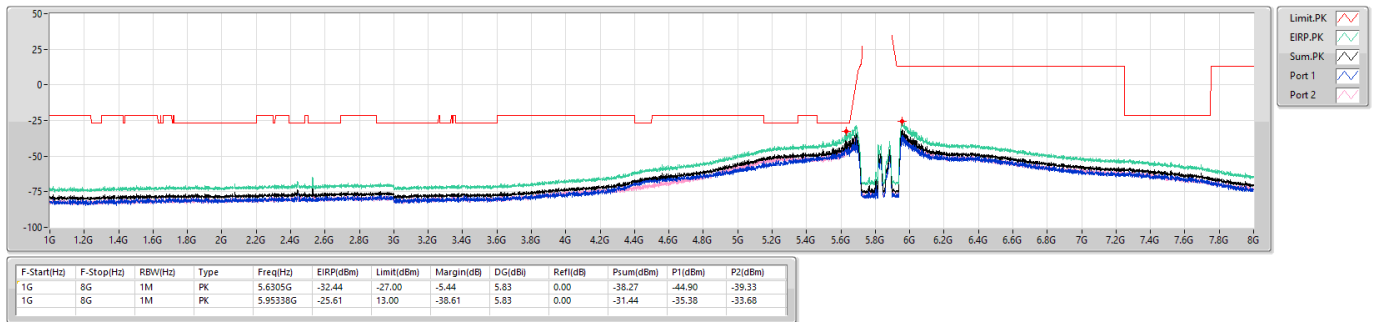


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5855MHz

11/11/2024

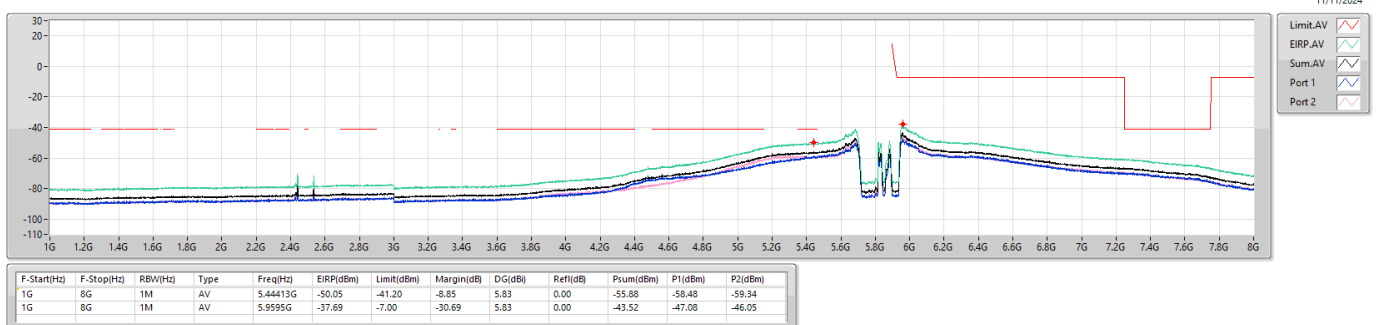


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5855MHz

11/11/2024

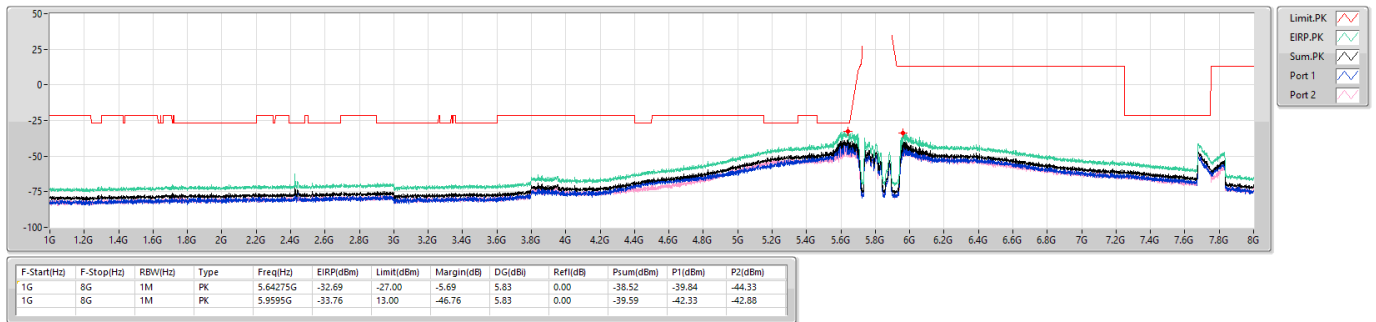


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5815MHz

11/11/2024

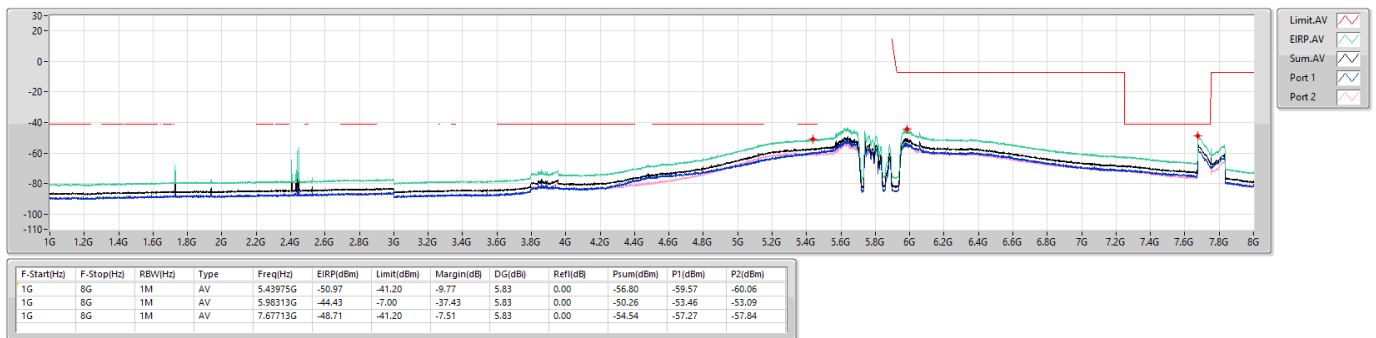


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5815MHz

11/11/2024





Test Mode: Mode 2

**Summary**

| Mode                            | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | EIRP<br>(dBm) | Psum<br>(dBm) | P2<br>(dBm) | P1<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | DG<br>(dBi) |
|---------------------------------|--------|-----------------|----------------|------|---------------|---------------|-------------|-------------|----------------|----------------|-------------|
| 5.725-5.895GHz                  | -      | -               | -              | -    | -             | -             | -           | -           | -              | -              | -           |
| 802.11a_Nss1,(6Mbps)_2TX        | Pass   | 1G              | 8G             | AV   | -48.45        | -54.74        | -57.58      | -57.92      | -41.20         | -7.25          | 6.29        |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | Pass   | 1G              | 8G             | AV   | -48.03        | -54.32        | -58.24      | -56.58      | -41.20         | -6.83          | 6.29        |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | Pass   | 1G              | 8G             | PK   | -31.66        | -37.95        | -41.93      | -40.16      | -27.00         | -4.66          | 6.29        |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | Pass   | 1G              | 8G             | PK   | -35.21        | -41.50        | -42.84      | -47.27      | -27.00         | -8.21          | 6.29        |
| 802.11be EHT160_Nss1,(MCS0)_2TX | Pass   | 1G              | 8G             | PK   | -32.85        | -39.14        | -43.14      | -41.34      | -27.00         | -5.85          | 6.29        |

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) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | P2<br>(dBm) |
|---------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|-------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.44063G     | 6.29        | -57.92      | -57.58      | -54.74        | -48.45        | -41.20         | -7.25          | -57.58      |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.97525G     | 6.29        | -56.23      | -58.23      | -54.11        | -47.82        | -7.00          | -40.82         | -58.23      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.62G        | 6.29        | -46.43      | -50.97      | -45.12        | -38.83        | -27.00         | -11.83         | -50.97      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.98838G     | 6.29        | -47.57      | -51.63      | -46.13        | -39.84        | 13.00          | -52.84         | -51.63      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.45463G     | 6.29        | -57.47      | -58.83      | -55.09        | -48.80        | -41.20         | -7.60          | -58.83      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.9735G      | 6.29        | -56.26      | -57.13      | -53.66        | -47.37        | -7.00          | -40.37         | -57.13      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.51588G     | 6.29        | -46.96      | -52.02      | -45.78        | -39.49        | -27.00         | -12.49         | -52.02      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.97263G     | 6.29        | -48.70      | -49.51      | -46.08        | -39.79        | 13.00          | -52.79         | -49.51      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.40475G     | 6.29        | -57.29      | -58.68      | -54.92        | -48.63        | -41.20         | -7.43          | -58.68      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.97175G     | 6.29        | -55.48      | -56.74      | -53.05        | -46.76        | -7.00          | -39.76         | -56.74      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.56575G     | 6.29        | -48.32      | -51.14      | -46.49        | -40.20        | -27.00         | -13.20         | -51.14      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.96388G     | 6.29        | -45.20      | -50.07      | -43.98        | -37.69        | 13.00          | -50.69         | -50.07      |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.42225G     | 6.29        | -56.58      | -58.24      | -54.32        | -48.03        | -41.20         | -6.83          | -58.24      |
| 5845MHz                         | Pass   | 1G              | 8G             | AV   | 5.9805G      | 6.29        | -55.09      | -57.22      | -53.02        | -46.73        | -7.00          | -39.73         | -57.22      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.62175G     | 6.29        | -46.90      | -47.92      | -44.37        | -38.08        | -27.00         | -11.08         | -47.92      |
| 5845MHz                         | Pass   | 1G              | 8G             | PK   | 5.97438G     | 6.29        | -46.67      | -50.03      | -45.02        | -38.73        | 13.00          | -51.73         | -50.03      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.445G       | 6.29        | -57.32      | -58.47      | -54.85        | -48.56        | -41.20         | -7.36          | -58.47      |
| 5865MHz                         | Pass   | 1G              | 8G             | AV   | 5.97175G     | 6.29        | -54.81      | -57.07      | -52.78        | -46.49        | -7.00          | -39.49         | -57.07      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.62175G     | 6.29        | -46.16      | -51.82      | -45.12        | -38.83        | -27.00         | -11.83         | -51.82      |
| 5865MHz                         | Pass   | 1G              | 8G             | PK   | 5.96913G     | 6.29        | -43.35      | -50.73      | -42.62        | -36.33        | 13.00          | -49.33         | -50.73      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.43975G     | 6.29        | -57.62      | -57.67      | -54.63        | -48.34        | -41.20         | -7.14          | -57.67      |
| 5885MHz                         | Pass   | 1G              | 8G             | AV   | 5.96213G     | 6.29        | -53.58      | -54.29      | -50.91        | -44.62        | -7.00          | -37.62         | -54.29      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.648G       | 6.29        | -47.04      | -51.48      | -45.71        | -39.42        | -27.00         | -12.42         | -51.48      |
| 5885MHz                         | Pass   | 1G              | 8G             | PK   | 5.97175G     | 6.29        | -45.08      | -42.74      | -40.74        | -34.45        | 13.00          | -47.45         | -42.74      |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5835MHz                         | Pass   | 1G              | 8G             | AV   | 5.42925G     | 6.29        | -56.17      | -57.15      | -53.62        | -47.33        | -41.20         | -6.13          | -57.15      |
| 5835MHz                         | Pass   | 1G              | 8G             | AV   | 5.98663G     | 6.29        | -47.59      | -49.40      | -45.39        | -39.10        | -7.00          | -32.10         | -49.40      |
| 5835MHz                         | Pass   | 1G              | 8G             | PK   | 5.62788G     | 6.29        | -40.16      | -41.93      | -37.95        | -31.66        | -27.00         | -4.66          | -41.93      |
| 5835MHz                         | Pass   | 1G              | 8G             | PK   | 5.95775G     | 6.29        | -37.14      | -39.93      | -35.30        | -29.01        | 13.00          | -42.01         | -39.93      |
| 5875MHz                         | Pass   | 1G              | 8G             | AV   | 5.45725G     | 6.29        | -56.01      | -58.08      | -53.91        | -47.62        | -41.20         | -6.42          | -58.08      |
| 5875MHz                         | Pass   | 1G              | 8G             | AV   | 5.956G       | 6.29        | -41.69      | -43.40      | -39.45        | -33.16        | -7.00          | -26.16         | -43.40      |
| 5875MHz                         | Pass   | 1G              | 8G             | PK   | 5.64713G     | 6.29        | -43.83      | -47.10      | -42.15        | -35.86        | -27.00         | -8.86          | -47.10      |
| 5875MHz                         | Pass   | 1G              | 8G             | PK   | 5.9595G      | 6.29        | -31.63      | -32.24      | -28.91        | -22.62        | 13.00          | -35.62         | -32.24      |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5855MHz                         | Pass   | 1G              | 8G             | AV   | 5.43975G     | 6.29        | -59.48      | -59.42      | -56.44        | -50.15        | -41.20         | -8.95          | -59.42      |
| 5855MHz                         | Pass   | 1G              | 8G             | AV   | 5.9595G      | 6.29        | -49.41      | -47.79      | -45.51        | -39.22        | -7.00          | -32.22         | -47.79      |
| 5855MHz                         | Pass   | 1G              | 8G             | PK   | 5.64538G     | 6.29        | -47.27      | -42.84      | -41.50        | -35.21        | -27.00         | -8.21          | -42.84      |
| 5855MHz                         | Pass   | 1G              | 8G             | PK   | 5.977G       | 6.29        | -37.11      | -37.82      | -34.44        | -28.15        | 13.00          | -41.15         | -37.82      |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5815MHz                         | Pass   | 1G              | 8G             | AV   | 5.43975G     | 6.29        | -59.03      | -60.19      | -56.56        | -50.27        | -41.20         | -9.07          | -60.19      |
| 5815MHz                         | Pass   | 1G              | 8G             | AV   | 5.98313G     | 6.29        | -53.30      | -53.40      | -50.34        | -44.05        | -7.00          | -37.05         | -53.40      |
| 5815MHz                         | Pass   | 1G              | 8G             | AV   | 7.678G       | 6.29        | -57.33      | -57.73      | -54.52        | -48.23        | -41.20         | -7.03          | -57.73      |
| 5815MHz                         | Pass   | 1G              | 8G             | PK   | 5.6165G      | 6.29        | -41.34      | -43.14      | -39.14        | -32.85        | -27.00         | -5.85          | -43.14      |
| 5815MHz                         | Pass   | 1G              | 8G             | PK   | 5.9665G      | 6.29        | -43.23      | -43.07      | -40.14        | -33.85        | 13.00          | -46.85         | -43.07      |

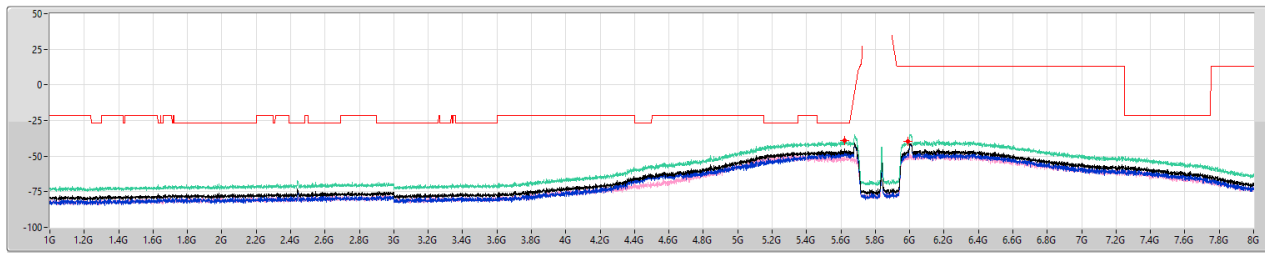
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [PK]

5845MHz

11/11/2024



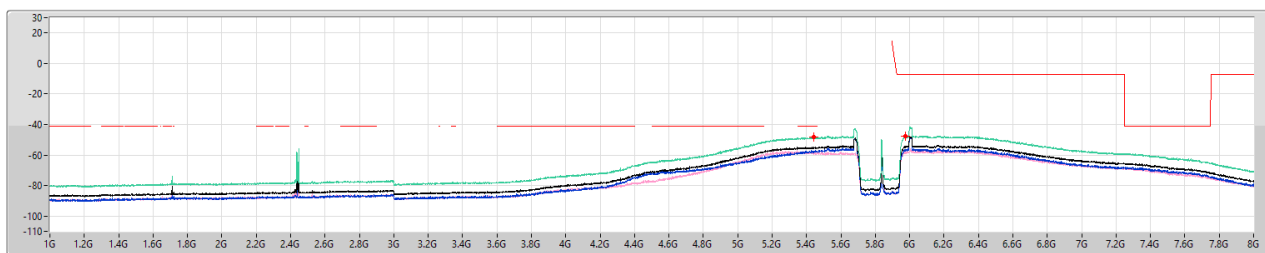
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | RefI(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|----------|-----------|---------|---------|
| 1G          | 8G         | 1M      | PK   | 5.62G    | -38.83    | -27.00     | -11.83     | 6.29   | 0.00     | -45.12    | -46.43  | -50.97  |
| 1G          | 8G         | 1M      | PK   | 5.98838G | -39.84    | 13.00      | -52.84     | 6.29   | 0.00     | -46.13    | -47.57  | -51.63  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [AV]

5845MHz

11/11/2024



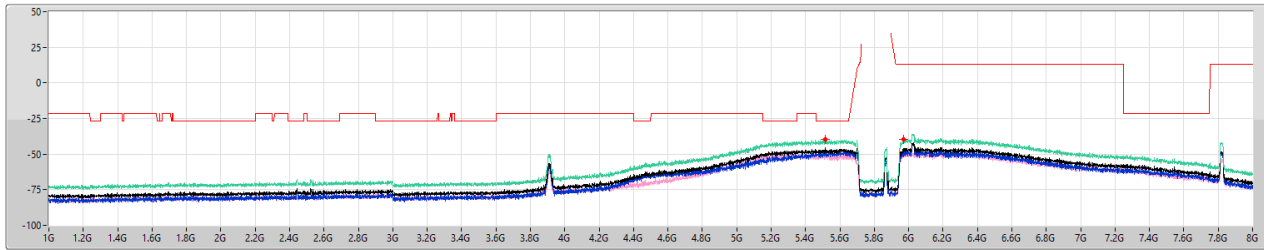
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | RefI(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|----------|-----------|---------|---------|
| 1G          | 8G         | 1M      | AV   | 5.44063G | -48.45    | -41.20     | -7.25      | 6.29   | 0.00     | -54.74    | -57.92  | -57.58  |
| 1G          | 8G         | 1M      | AV   | 5.97525G | -47.82    | -7.00      | -40.82     | 6.29   | 0.00     | -54.11    | -56.23  | -58.23  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [PK]

5865MHz

11/11/2024



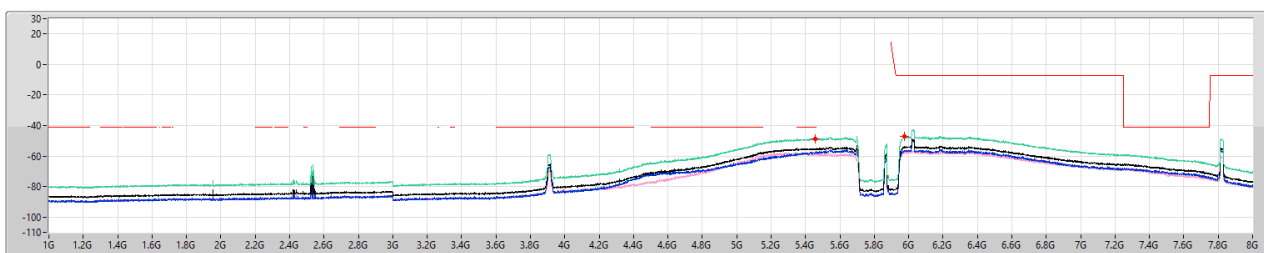
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 8G         | 1M      | PK   | 5.51588G | -39.49    | -27.00     | -12.49     | 6.29   | 0.00    | -45.78    | -46.96  | -52.02  |
| 1G          | 8G         | 1M      | PK   | 5.97263G | -39.79    | 13.00      | -52.79     | 6.29   | 0.00    | -46.08    | -48.70  | -49.51  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [AV]

5865MHz

11/11/2024



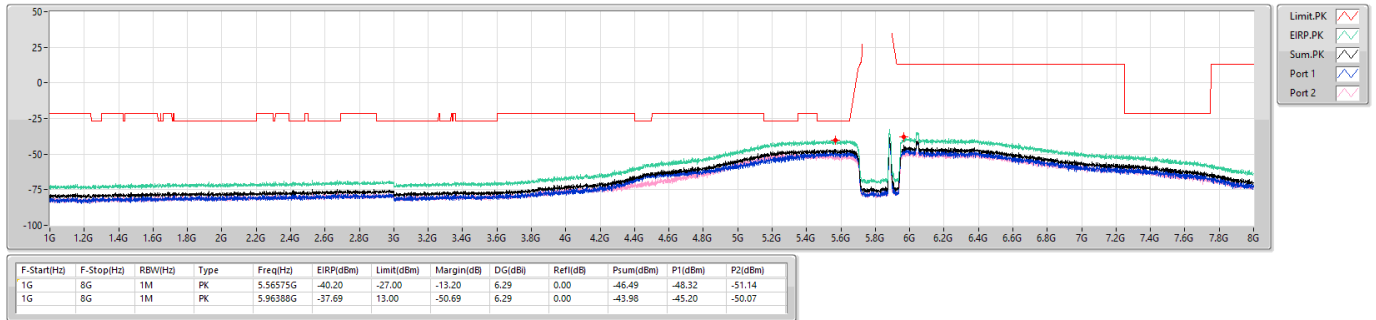
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 8G         | 1M      | AV   | 5.45463G | -48.80    | -41.20     | -7.60      | 6.29   | 0.00    | -55.09    | -57.47  | -58.83  |
| 1G          | 8G         | 1M      | AV   | 5.9735G  | -47.37    | -7.00      | -40.37     | 6.29   | 0.00    | -53.66    | -56.26  | -57.13  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [PK]

5885MHz

11/11/2024

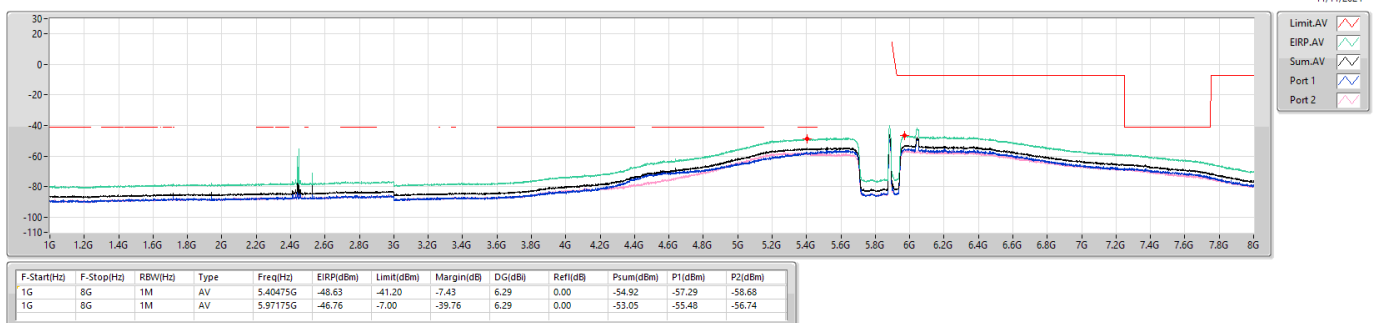


5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE Other [AV]

5885MHz

11/11/2024

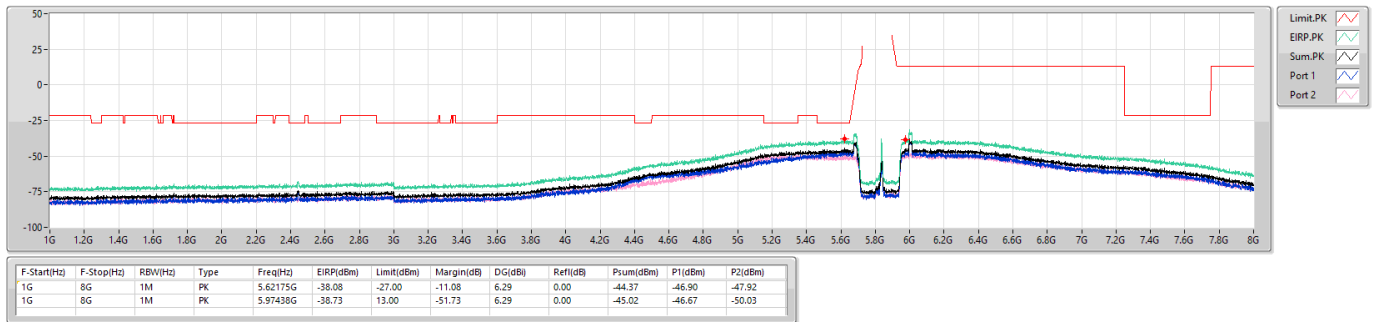


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5845MHz

11/11/2024

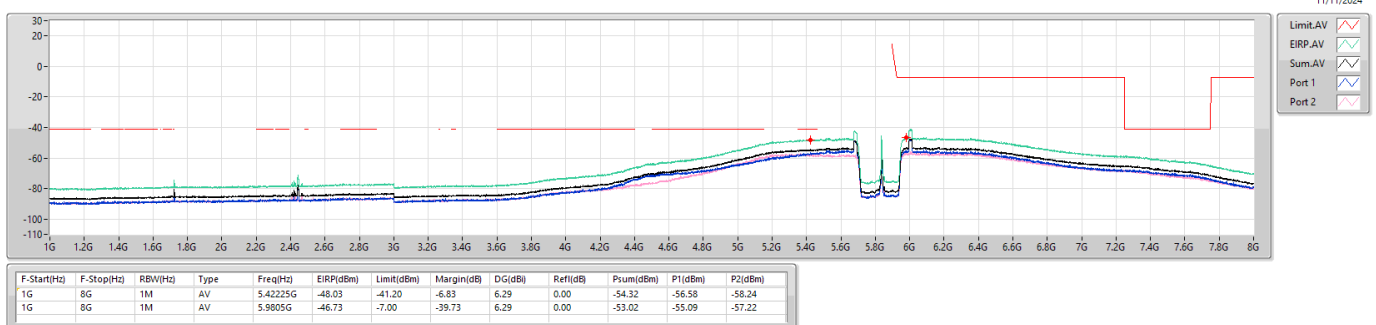


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5845MHz

11/11/2024

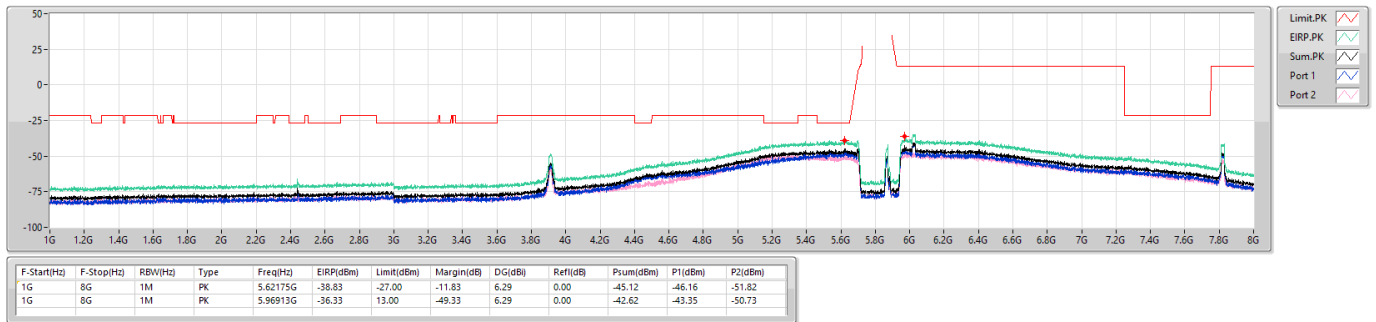


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5865MHz

11/11/2024

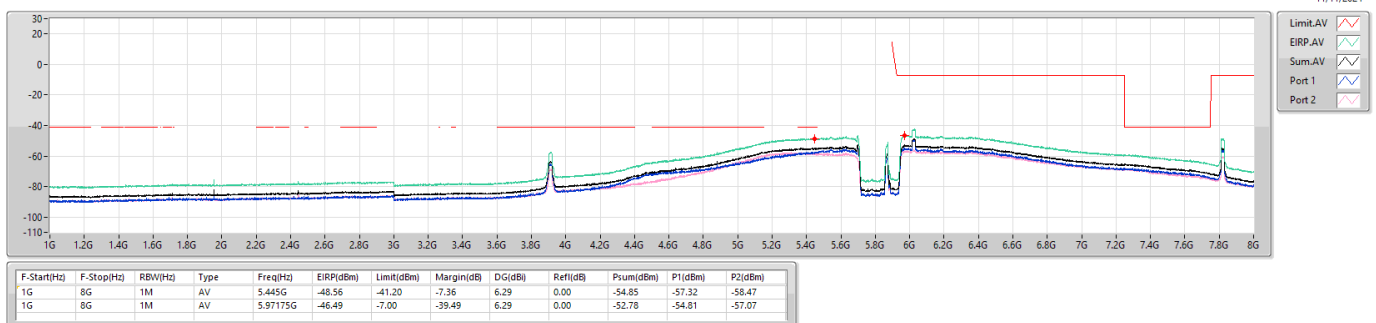


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5865MHz

11/11/2024

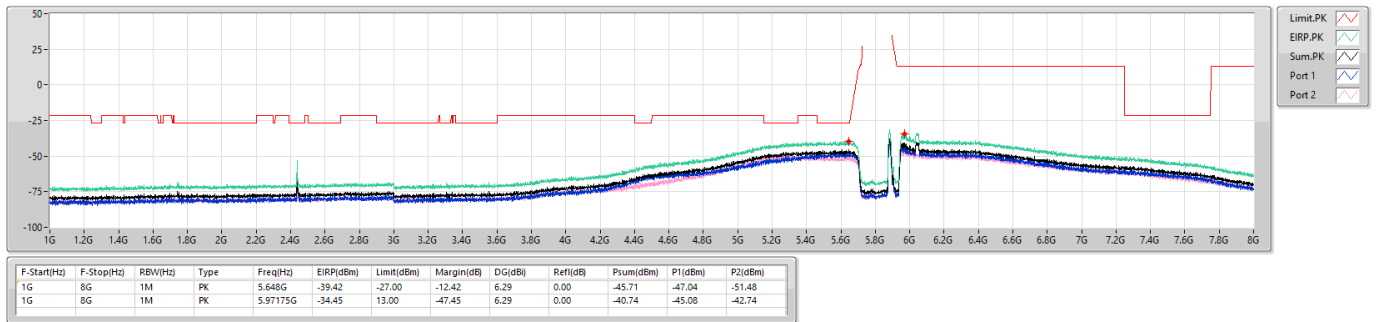


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5885MHz

11/11/2024

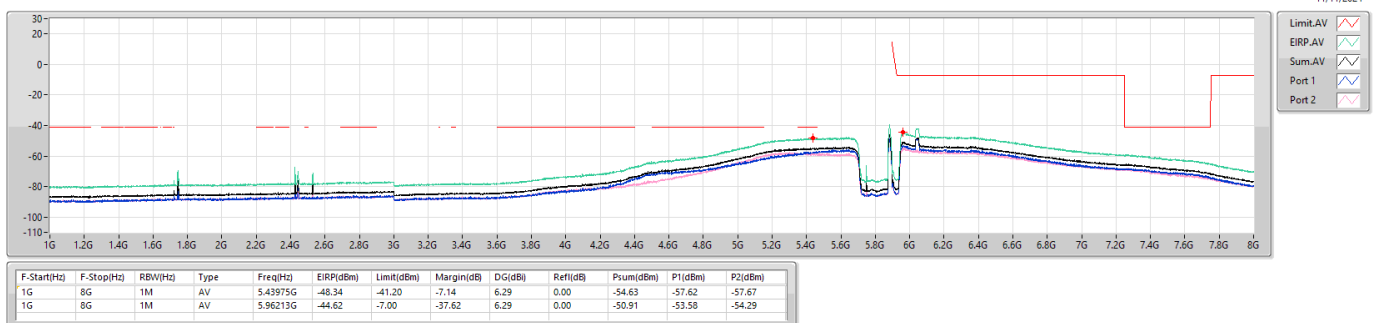


5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5885MHz

11/11/2024

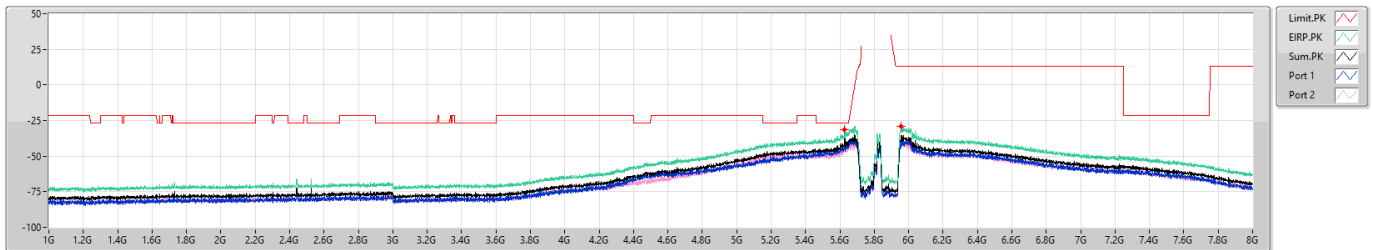


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5835MHz

11/11/2024



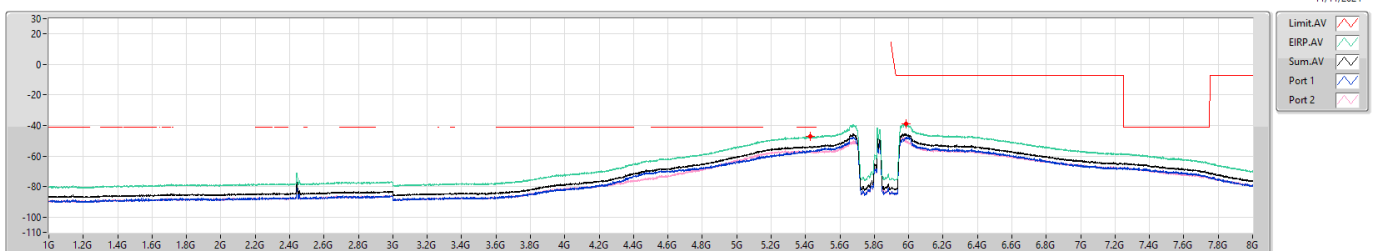
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 8G         | 1M      | PK   | 5.62788G | -31.66    | -27.00     | -4.66      | 6.29   | 0.00    | -37.95    | -40.16  | -41.93  |
| 1G          | 8G         | 1M      | PK   | 5.95775G | -29.01    | 13.00      | -42.01     | 6.29   | 0.00    | -35.30    | -37.14  | -39.93  |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5835MHz

11/11/2024



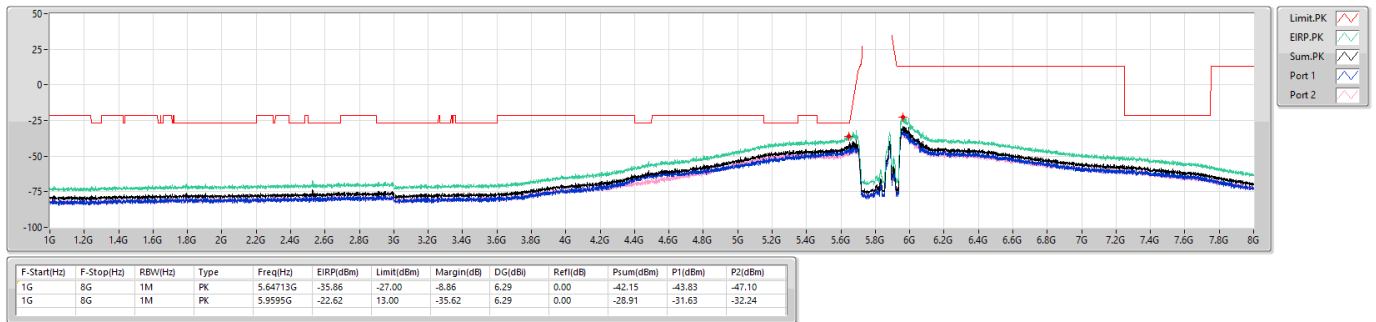
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 1G          | 8G         | 1M      | AV   | 5.42925G | -47.33    | -41.20     | -6.13      | 6.29   | 0.00    | -53.62    | -56.17  | -57.15  |
| 1G          | 8G         | 1M      | AV   | 5.9663G  | -39.10    | -7.00      | -32.10     | 6.29   | 0.00    | -45.39    | -47.59  | -49.40  |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5875MHz

11/11/2024

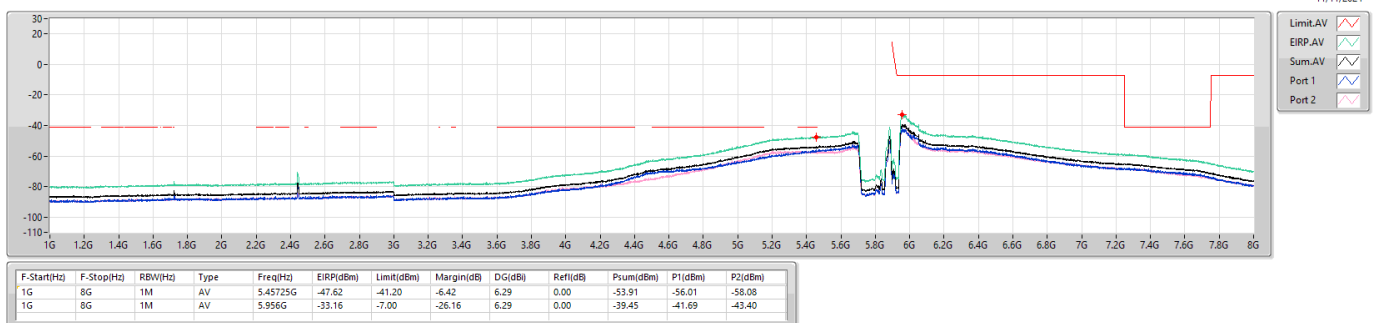


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5875MHz

11/11/2024

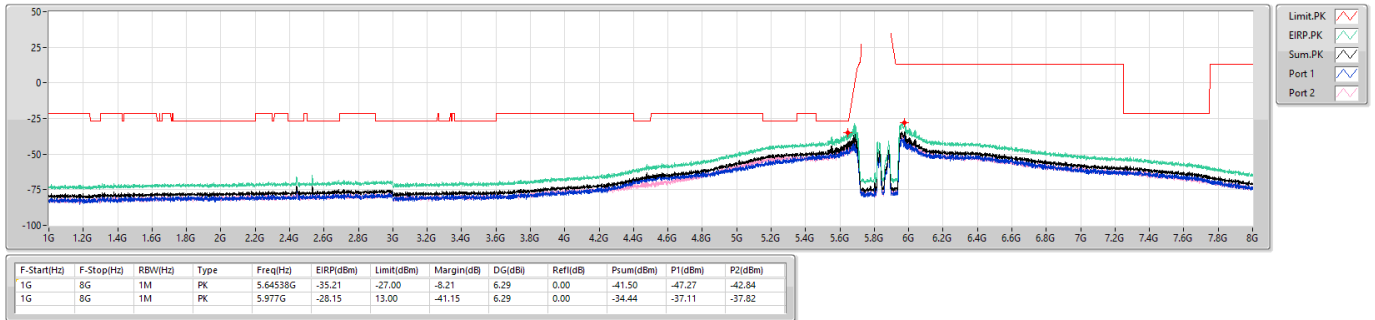


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5855MHz

11/11/2024

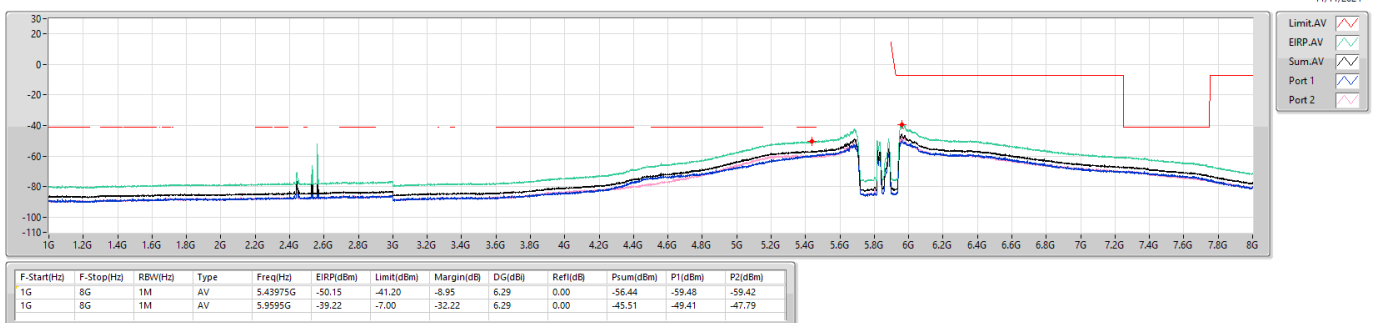


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5855MHz

11/11/2024

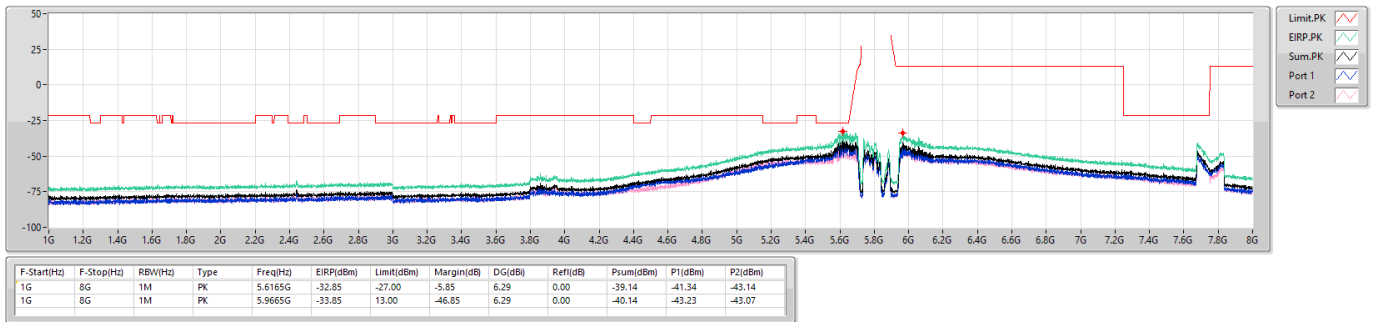


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

CSE Other [PK]

5815MHz

11/11/2024

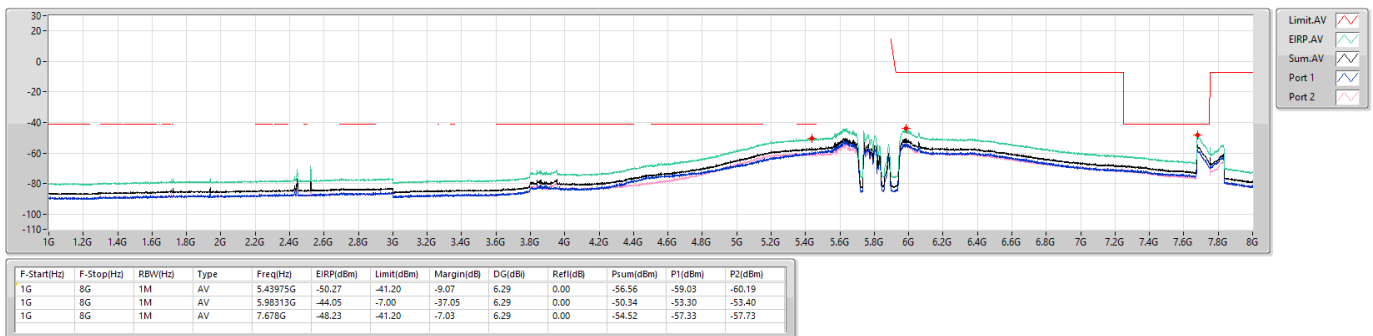


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

CSE Other [AV]

5815MHz

11/11/2024





Test Mode: Mode 1

Summary

| Mode                            | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | EIRP<br>(dBm) | Psum<br>(dBm) | P2<br>(dBm) | P1<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | DG<br>(dBi) |
|---------------------------------|--------|-----------------|----------------|------|---------------|---------------|-------------|-------------|----------------|----------------|-------------|
| 5.725-5.895GHz                  | -      | -               | -              | -    | -             | -             | -           | -           | -              | -              | -           |
| 802.11a_Nss1,(6Mbps)_2TX        | Pass   | 8G              | 40G            | AV   | -71.25        | -77.08        | -80.33      | -79.86      | -41.20         | -30.05         | 5.83        |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | Pass   | 8G              | 40G            | AV   | -71.39        | -77.22        | -80.25      | -80.21      | -41.20         | -30.19         | 5.83        |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | Pass   | 8G              | 40G            | AV   | -71.27        | -77.10        | -80.52      | -79.73      | -41.20         | -30.07         | 5.83        |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | Pass   | 8G              | 40G            | AV   | -71.24        | -77.07        | -79.87      | -80.31      | -41.20         | -30.04         | 5.83        |
| 802.11be EHT160_Nss1,(MCS0)_2TX | Pass   | 8G              | 40G            | AV   | -71.34        | -77.17        | -79.94      | -80.43      | -41.20         | -30.14         | 5.83        |

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) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | P2<br>(dBm) |
|---------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|-------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5845MHz                         | Pass   | 8G              | 40G            | AV   | 11.691G      | 5.83        | -86.12      | -84.30      | -82.11        | -76.28        | -41.20         | -35.08         | -84.30      |
| 5845MHz                         | Pass   | 8G              | 40G            | AV   | 22.084G      | 5.83        | -80.35      | -80.08      | -77.20        | -71.37        | -41.20         | -30.17         | -80.08      |
| 5845MHz                         | Pass   | 8G              | 40G            | PK   | 11.695G      | 5.83        | -80.49      | -77.04      | -75.42        | -69.59        | -21.20         | -48.39         | -77.04      |
| 5845MHz                         | Pass   | 8G              | 40G            | PK   | 22.081G      | 5.83        | -72.34      | -72.08      | -69.20        | -63.37        | -21.20         | -42.17         | -72.08      |
| 5865MHz                         | Pass   | 8G              | 40G            | AV   | 11.738G      | 5.83        | -85.35      | -86.11      | -82.70        | -76.87        | -41.20         | -35.67         | -86.11      |
| 5865MHz                         | Pass   | 8G              | 40G            | AV   | 22.078G      | 5.83        | -80.36      | -80.20      | -77.27        | -71.44        | -41.20         | -30.24         | -80.20      |
| 5865MHz                         | Pass   | 8G              | 40G            | PK   | 11.725G      | 5.83        | -78.65      | -78.40      | -75.51        | -69.68        | -21.20         | -48.48         | -78.40      |
| 5865MHz                         | Pass   | 8G              | 40G            | PK   | 23.757G      | 5.83        | -70.62      | -74.32      | -69.08        | -63.25        | -21.20         | -42.05         | -74.32      |
| 5885MHz                         | Pass   | 8G              | 40G            | AV   | 11.77G       | 5.83        | -84.39      | -85.29      | -81.81        | -75.98        | -41.20         | -34.78         | -85.29      |
| 5885MHz                         | Pass   | 8G              | 40G            | AV   | 22.147G      | 5.83        | -79.86      | -80.33      | -77.08        | -71.25        | -41.20         | -30.05         | -80.33      |
| 5885MHz                         | Pass   | 8G              | 40G            | PK   | 11.766G      | 5.83        | -76.61      | -80.36      | -75.08        | -69.25        | -21.20         | -48.05         | -80.36      |
| 5885MHz                         | Pass   | 8G              | 40G            | PK   | 18.862G      | 5.83        | -71.32      | -76.91      | -70.26        | -64.43        | -21.20         | -43.23         | -76.91      |
| 802.11be EHT20_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5845MHz                         | Pass   | 8G              | 40G            | AV   | 11.691G      | 5.83        | -84.70      | -84.59      | -81.63        | -75.80        | -41.20         | -34.60         | -84.59      |
| 5845MHz                         | Pass   | 8G              | 40G            | AV   | 22.071G      | 5.83        | -80.21      | -80.25      | -77.22        | -71.39        | -41.20         | -30.19         | -80.25      |
| 5845MHz                         | Pass   | 8G              | 40G            | PK   | 11.68G       | 5.83        | -77.11      | -79.75      | -75.22        | -69.39        | -21.20         | -48.19         | -79.75      |
| 5845MHz                         | Pass   | 8G              | 40G            | PK   | 23.106G      | 5.83        | -73.60      | -71.90      | -69.66        | -63.83        | -21.20         | -42.63         | -71.90      |
| 5865MHz                         | Pass   | 8G              | 40G            | AV   | 11.724G      | 5.83        | -85.36      | -84.71      | -82.01        | -76.18        | -41.20         | -34.98         | -84.71      |
| 5865MHz                         | Pass   | 8G              | 40G            | AV   | 22.052G      | 5.83        | -79.75      | -81.15      | -77.38        | -71.55        | -41.20         | -30.35         | -81.15      |
| 5865MHz                         | Pass   | 8G              | 40G            | PK   | 11.73G       | 5.83        | -79.41      | -78.26      | -75.79        | -69.96        | -21.20         | -48.76         | -78.26      |
| 5865MHz                         | Pass   | 8G              | 40G            | PK   | 22.123G      | 5.83        | -73.81      | -72.75      | -70.24        | -64.41        | -21.20         | -43.21         | -72.75      |
| 5885MHz                         | Pass   | 8G              | 40G            | AV   | 11.772G      | 5.83        | -85.12      | -83.58      | -81.27        | -75.44        | -41.20         | -34.24         | -83.58      |
| 5885MHz                         | Pass   | 8G              | 40G            | AV   | 22.062G      | 5.83        | -80.73      | -79.89      | -77.28        | -71.45        | -41.20         | -30.25         | -79.89      |
| 5885MHz                         | Pass   | 8G              | 40G            | PK   | 11.768G      | 5.83        | -79.27      | -77.82      | -75.47        | -69.64        | -21.20         | -48.44         | -77.82      |
| 5885MHz                         | Pass   | 8G              | 40G            | PK   | 22.088G      | 5.83        | -76.39      | -69.73      | -68.88        | -63.05        | -21.20         | -41.85         | -69.73      |
| 802.11be EHT40_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5835MHz                         | Pass   | 8G              | 40G            | AV   | 11.672G      | 5.83        | -85.06      | -84.56      | -81.79        | -75.96        | -41.20         | -34.76         | -84.56      |
| 5835MHz                         | Pass   | 8G              | 40G            | AV   | 22.086G      | 5.83        | -80.12      | -80.74      | -77.41        | -71.58        | -41.20         | -30.38         | -80.74      |
| 5835MHz                         | Pass   | 8G              | 40G            | PK   | 11.678G      | 5.83        | -80.07      | -75.89      | -74.49        | -68.66        | -21.20         | -47.46         | -75.89      |
| 5835MHz                         | Pass   | 8G              | 40G            | PK   | 23.02G       | 5.83        | -75.38      | -70.59      | -69.35        | -63.52        | -21.20         | -42.32         | -70.59      |
| 5875MHz                         | Pass   | 8G              | 40G            | AV   | 11.752G      | 5.83        | -84.94      | -85.54      | -82.22        | -76.39        | -41.20         | -35.19         | -85.54      |
| 5875MHz                         | Pass   | 8G              | 40G            | AV   | 22.073G      | 5.83        | -79.73      | -80.52      | -77.10        | -71.27        | -41.20         | -30.07         | -80.52      |
| 5875MHz                         | Pass   | 8G              | 40G            | PK   | 11.77G       | 5.83        | -82.45      | -76.20      | -75.28        | -69.45        | -21.20         | -48.25         | -76.20      |
| 5875MHz                         | Pass   | 8G              | 40G            | PK   | 22.07G       | 5.83        | -70.46      | -75.00      | -69.15        | -63.32        | -21.20         | -42.12         | -75.00      |
| 802.11be EHT80_Nss1,(MCS0)_2TX  | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5855MHz                         | Pass   | 8G              | 40G            | AV   | 11.77G       | 5.83        | -85.41      | -85.64      | -82.51        | -76.68        | -41.20         | -35.48         | -85.64      |
| 5855MHz                         | Pass   | 8G              | 40G            | AV   | 22.123G      | 5.83        | -80.31      | -79.87      | -77.07        | -71.24        | -41.20         | -30.04         | -79.87      |
| 5855MHz                         | Pass   | 8G              | 40G            | PK   | 11.671G      | 5.83        | -77.83      | -79.57      | -75.60        | -69.77        | -21.20         | -48.57         | -79.57      |
| 5855MHz                         | Pass   | 8G              | 40G            | PK   | 39.933G      | 5.83        | -73.34      | -72.44      | -69.86        | -64.03        | -21.20         | -42.83         | -72.44      |
| 802.11be EHT160_Nss1,(MCS0)_2TX | -      | -               | -              | -    | -            | -           | -           | -           | -             | -             | -              | -              | -           |
| 5815MHz                         | Pass   | 8G              | 40G            | AV   | 11.614G      | 5.83        | -85.50      | -85.31      | -82.39        | -76.56        | -41.20         | -35.36         | -85.31      |
| 5815MHz                         | Pass   | 8G              | 40G            | AV   | 22.083G      | 5.83        | -80.43      | -79.94      | -77.17        | -71.34        | -41.20         | -30.14         | -79.94      |
| 5815MHz                         | Pass   | 8G              | 40G            | PK   | 11.735G      | 5.83        | -76.79      | -78.77      | -74.66        | -68.83        | -21.20         | -47.63         | -78.77      |
| 5815MHz                         | Pass   | 8G              | 40G            | PK   | 38.673G      | 5.83        | -71.50      | -73.33      | -69.31        | -63.48        | -21.20         | -42.28         | -73.33      |

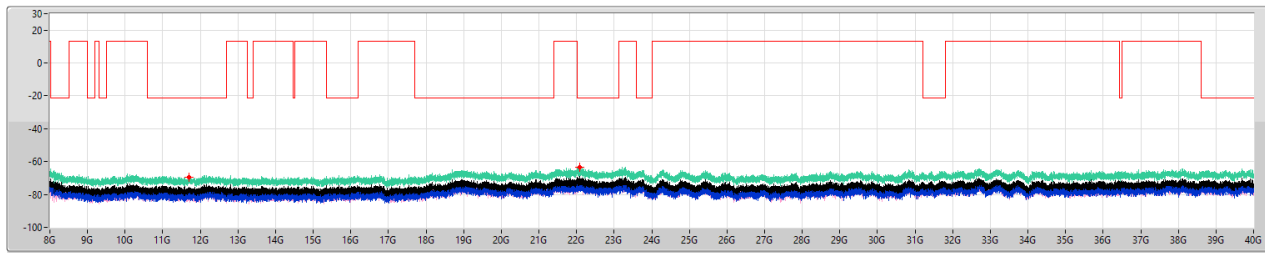
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE [PK]

5845MHz

11/11/2024



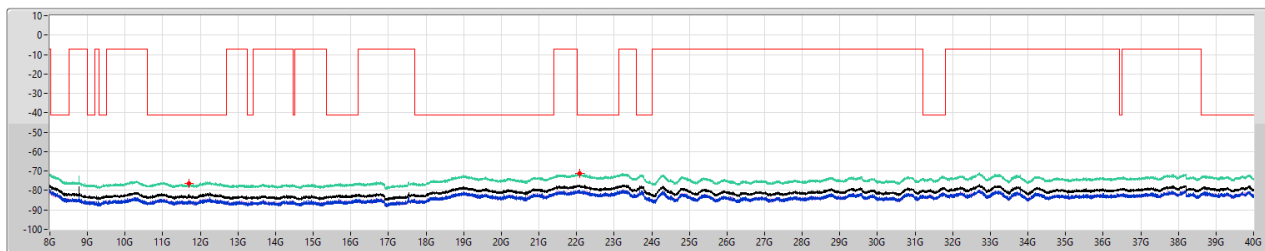
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.695G  | -69.59    | -21.20     | -48.39     | 5.83   | 0.00    | -75.42    | -80.49  | -77.04  |
| 8G          | 40G        | 1M      | PK   | 22.081G  | -63.37    | -21.20     | -42.17     | 5.83   | 0.00    | -69.20    | -72.34  | -72.08  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE [AV]

5845MHz

11/11/2024



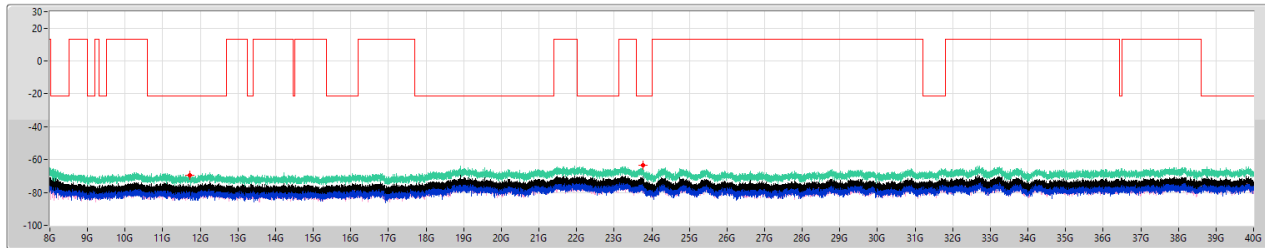
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.691G  | -76.28    | -41.20     | -35.08     | 5.83   | 0.00    | -82.11    | -86.12  | -84.30  |
| 8G          | 40G        | 1M      | AV   | 22.084G  | -71.37    | -41.20     | -30.17     | 5.83   | 0.00    | -77.20    | -80.35  | -80.08  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE [PK]

5865MHz

11/11/2024



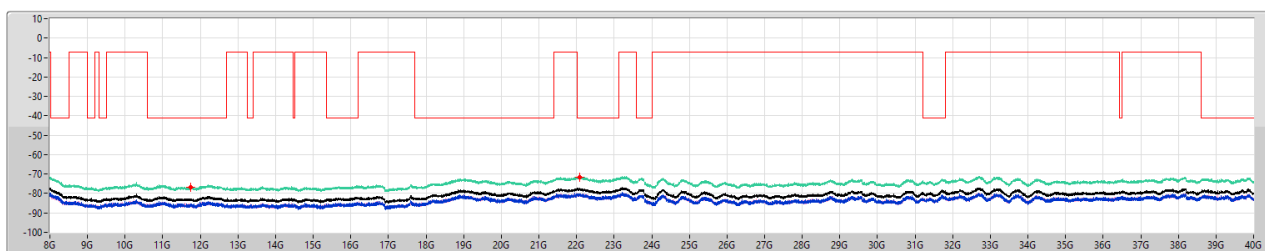
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.725G  | -69.68    | -21.20     | -48.48     | 5.83   | 0.00    | -75.51    | -78.65  | -78.40  |
| 8G          | 40G        | 1M      | PK   | 23.757G  | -63.25    | -21.20     | -42.05     | 5.83   | 0.00    | -69.08    | -70.62  | -74.32  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE [AV]

5865MHz

11/11/2024



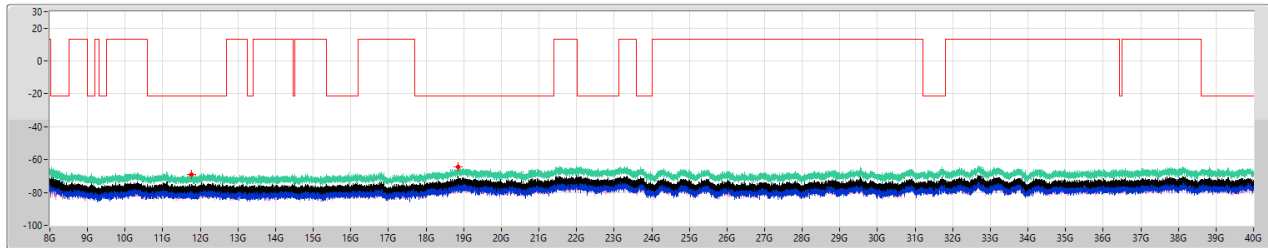
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.738G  | -76.87    | -41.20     | -35.67     | 5.83   | 0.00    | -82.70    | -85.35  | -86.11  |
| 8G          | 40G        | 1M      | AV   | 22.078G  | -71.44    | -41.20     | -30.24     | 5.83   | 0.00    | -77.27    | -80.36  | -80.20  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE [PK]

5885MHz

11/11/2024



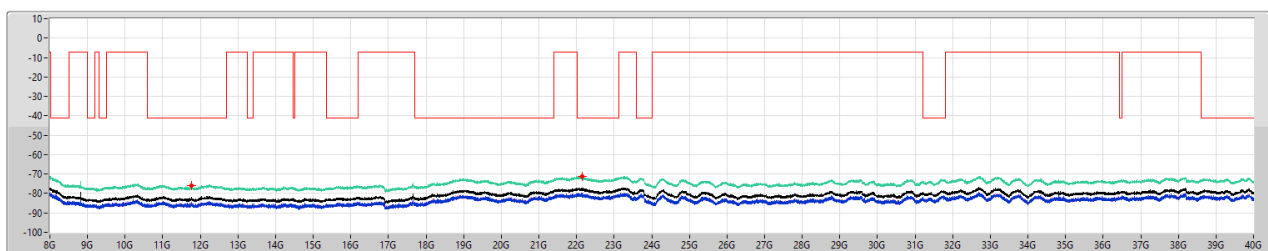
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.766G  | -69.25    | -21.20     | -48.05     | 5.83   | 0.00    | -75.08    | -76.61  | -80.36  |
| 8G          | 40G        | 1M      | PK   | 18.862G  | -64.43    | -21.20     | -43.23     | 5.83   | 0.00    | -70.26    | -71.32  | -76.91  |

5.725-5.895GHz\_802.11a\_Nss1,(6Mbps)\_2TX

CSE [AV]

5885MHz

11/11/2024



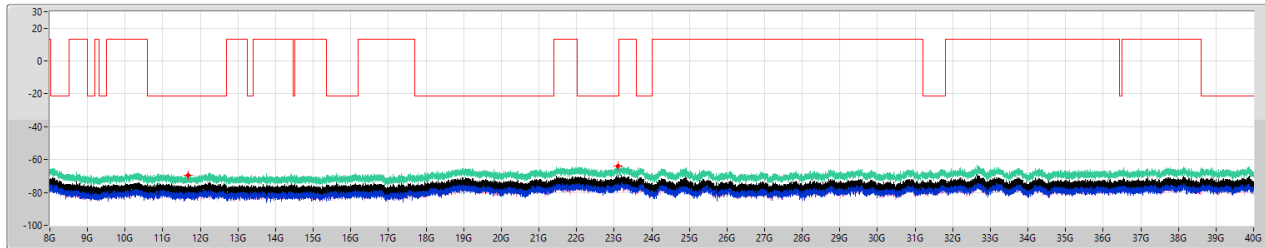
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.77G   | -75.98    | -41.20     | -34.78     | 5.83   | 0.00    | -81.81    | -84.39  | -85.29  |
| 8G          | 40G        | 1M      | AV   | 22.147G  | -71.25    | -41.20     | -30.05     | 5.83   | 0.00    | -77.08    | -79.86  | -80.33  |

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE [PK]

5845MHz

11/11/2024



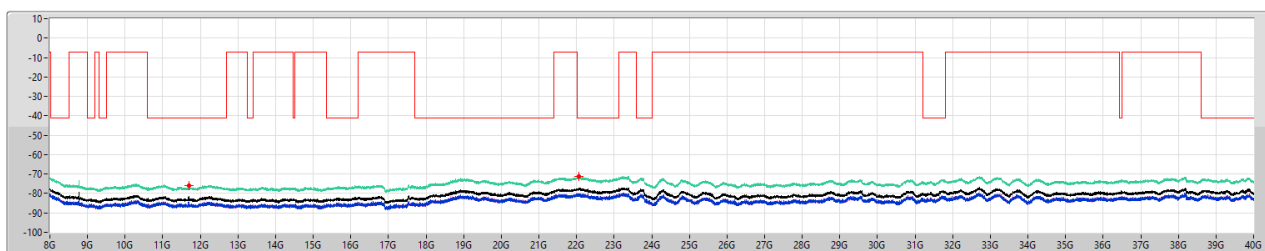
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.68G   | -69.39    | -21.20     | -48.19     | 5.83   | 0.00    | -75.22    | -77.11  | -79.75  |
| 8G          | 40G        | 1M      | PK   | 23.106G  | -63.83    | -21.20     | -42.63     | 5.83   | 0.00    | -69.66    | -73.60  | -71.90  |

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE [AV]

5845MHz

11/11/2024



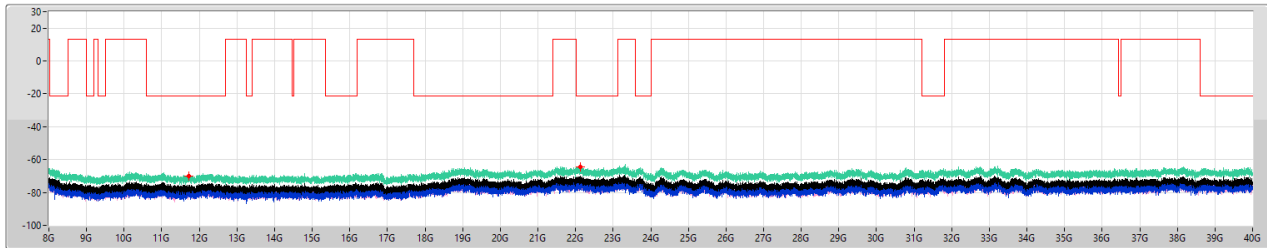
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.691G  | -75.80    | -41.20     | -34.60     | 5.83   | 0.00    | -81.63    | -84.70  | -84.59  |
| 8G          | 40G        | 1M      | AV   | 22.071G  | -71.39    | -41.20     | -30.19     | 5.83   | 0.00    | -77.22    | -80.21  | -80.25  |

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE [PK]

5865MHz

11/11/2024



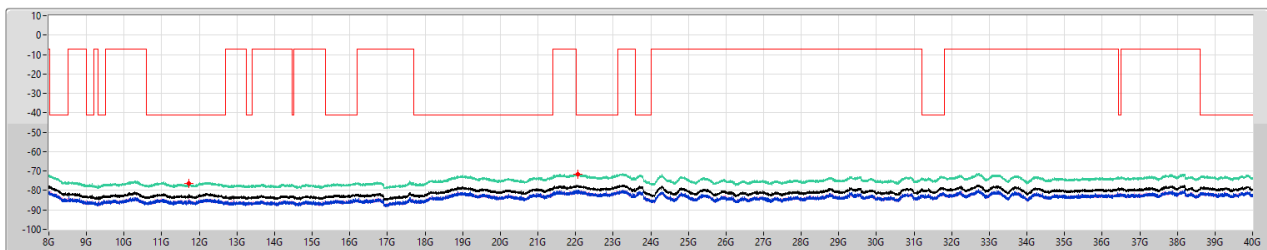
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.73G   | -69.96    | -21.20     | -48.76     | 5.83   | 0.00    | -75.79    | -79.41  | -78.26  |
| 8G          | 40G        | 1M      | PK   | 22.123G  | -64.41    | -21.20     | -43.21     | 5.83   | 0.00    | -70.24    | -73.81  | -72.75  |

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE [AV]

5865MHz

11/11/2024



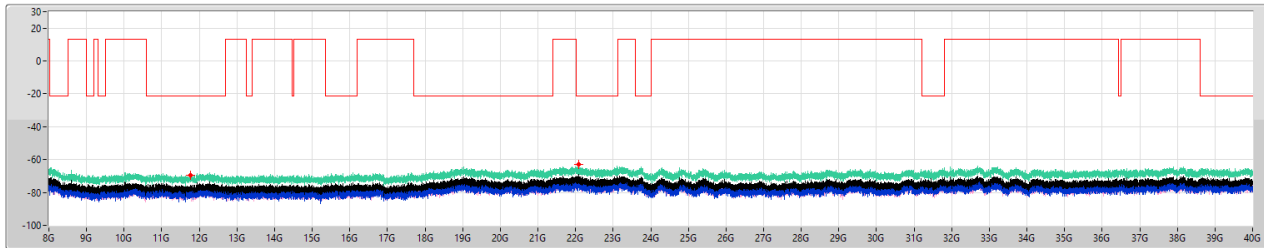
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.724G  | -76.18    | -41.20     | -34.98     | 5.83   | 0.00    | -82.01    | -85.36  | -84.71  |
| 8G          | 40G        | 1M      | AV   | 22.052G  | -71.55    | -41.20     | -30.35     | 5.83   | 0.00    | -77.38    | -79.75  | -81.15  |

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE [PK]

5885MHz

11/11/2024



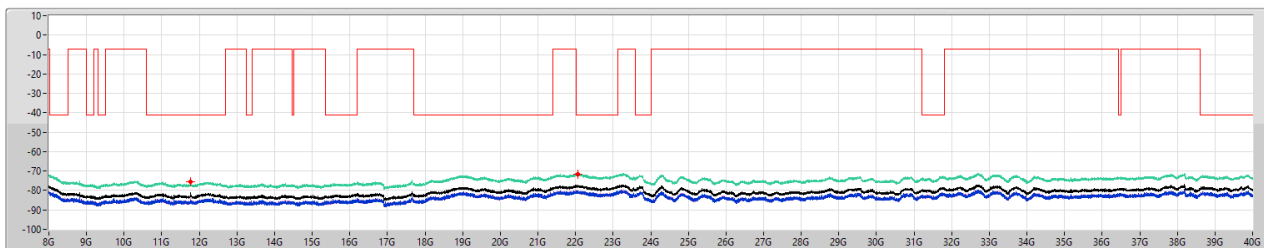
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.768G  | -69.64    | -21.20     | -48.44     | 5.83   | 0.00    | -75.47    | -79.27  | -77.82  |
| 8G          | 40G        | 1M      | PK   | 22.088G  | -63.05    | -21.20     | -41.85     | 5.83   | 0.00    | -68.88    | -76.39  | -69.73  |

5.725-5.895GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

CSE [AV]

5885MHz

11/11/2024



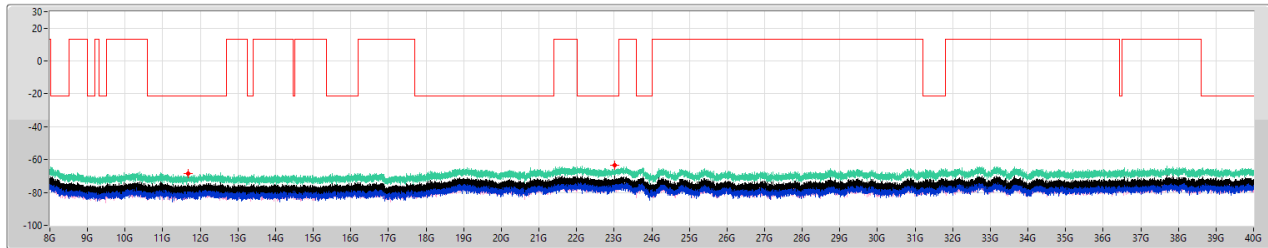
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.772G  | -75.44    | -41.20     | -34.24     | 5.83   | 0.00    | -81.27    | -85.12  | -83.58  |
| 8G          | 40G        | 1M      | AV   | 22.062G  | -71.45    | -41.20     | -30.25     | 5.83   | 0.00    | -77.28    | -80.73  | -79.89  |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE [PK]

5835MHz

11/11/2024



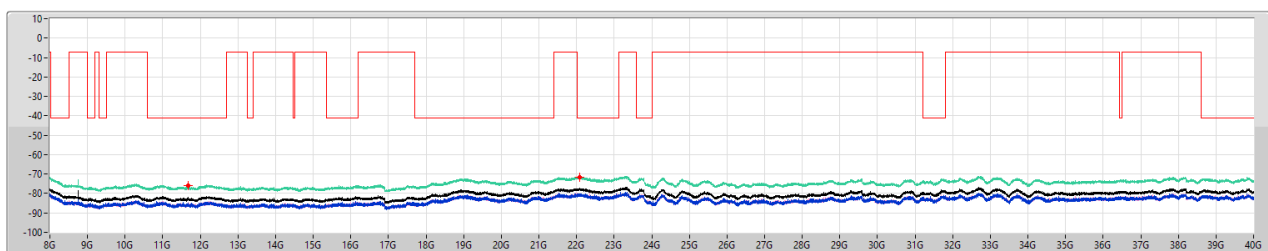
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.678G  | -68.66    | -21.20     | -47.46     | 5.83   | 0.00    | -74.49    | -80.07  | -75.89  |
| 8G          | 40G        | 1M      | PK   | 23.02G   | -63.52    | -21.20     | -42.32     | 5.83   | 0.00    | -69.35    | -75.38  | -70.59  |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE [AV]

5835MHz

11/11/2024



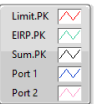
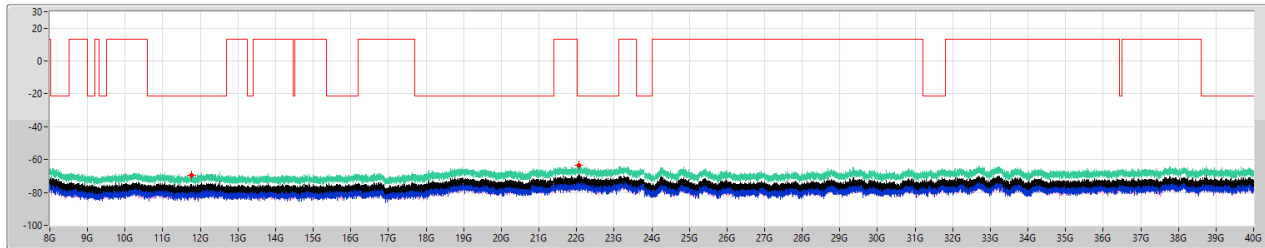
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.672G  | -75.96    | -41.20     | -34.76     | 5.83   | 0.00    | -81.79    | -85.06  | -84.56  |
| 8G          | 40G        | 1M      | AV   | 22.086G  | -71.58    | -41.20     | -30.38     | 5.83   | 0.00    | -77.41    | -80.12  | -80.74  |

5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE [PK]

5875MHz

11/11/2024

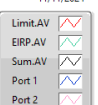
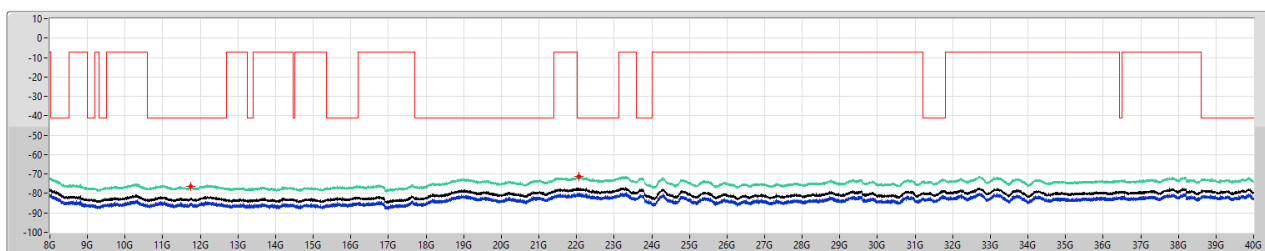


5.725-5.895GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

CSE [AV]

5875MHz

11/11/2024

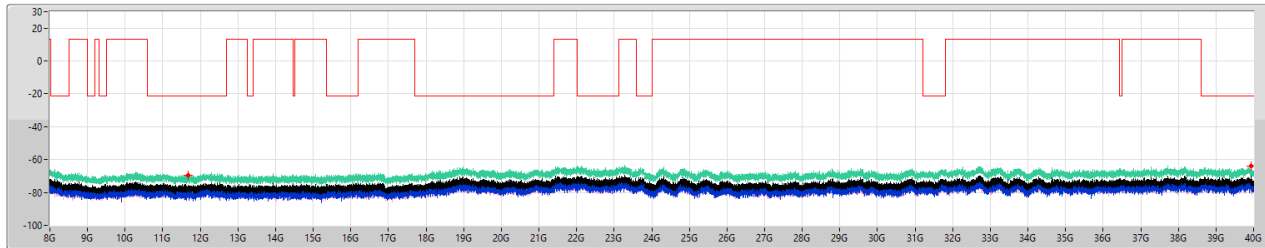


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

CSE [PK]

5855MHz

11/11/2024

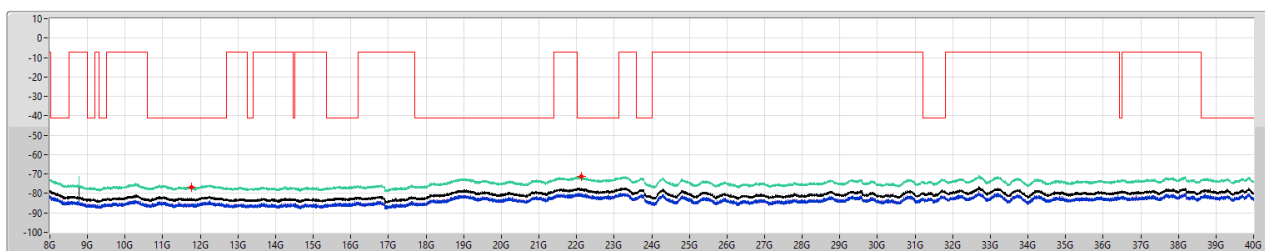


5.725-5.895GHz\_802.11be EHT80\_Nss1,(MCS0)\_2TX

CSE [AV]

5855MHz

11/11/2024

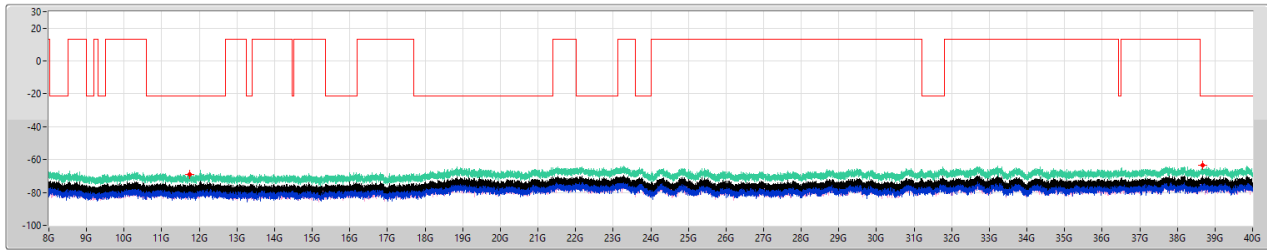


5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

CSE [PK]

5815MHz

11/11/2024



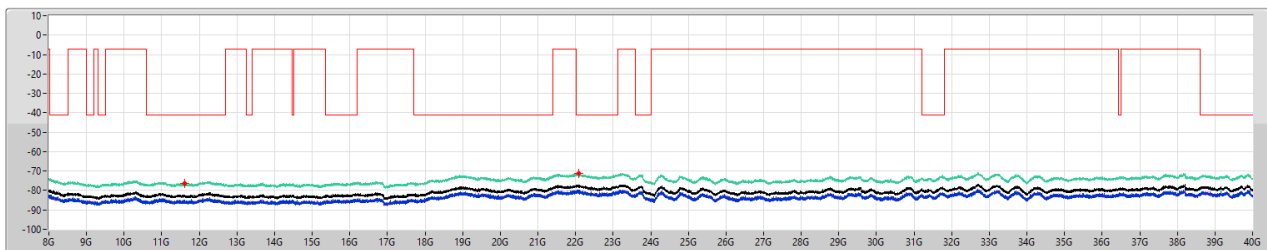
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | PK   | 11.735G  | -68.83    | -21.20     | -47.63     | 5.83   | 0.00    | -74.66    | -76.79  | -78.77  |
| 8G          | 40G        | 1M      | PK   | 38.673G  | -63.48    | -21.20     | -42.28     | 5.83   | 0.00    | -69.31    | -71.50  | -73.33  |

5.725-5.895GHz\_802.11be EHT160\_Nss1,(MCS0)\_2TX

CSE [AV]

5815MHz

11/11/2024



| 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) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 8G          | 40G        | 1M      | AV   | 11.614G  | -76.56    | -41.20     | -35.36     | 5.83   | 0.00    | -82.39    | -85.50  | -85.31  |
| 8G          | 40G        | 1M      | AV   | 22.083G  | -71.34    | -41.20     | -30.14     | 5.83   | 0.00    | -77.17    | -80.43  | -79.94  |