



# RADIO TEST REPORT

**FCC ID** : Z8H89FT0069  
**Equipment** : ePMP 6 GHz Force 4600C SM / ePMP 4600L 6 GHz 2x2 Access Point  
**Brand Name** : Cambium Networks  
**Model Name** : ePMP 6 GHz Force 4600C SM / ePMP 4600L 6 GHz 2x2 Access Point  
**Model Number** : C068940P151A  
**Applicant** : Cambium Networks Inc.  
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA  
**Manufacturer** : Cambium Networks, Ltd.  
Ashburton, TQ13 7UP, UK  
**Standard** : 47 CFR FCC Part 15.407

The product was received on May 29, 2024, and testing was started from Jun. 07, 2024 and completed on Jun. 22, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant 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: Rex Liao

**Sporton International Inc. Hsinchu Laboratory**

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## History of this test report

| Report No.  | Version | Description             | Issued Date   |
|-------------|---------|-------------------------|---------------|
| FR140145-09 | 01      | Initial issue of report | Aug. 06, 2024 |
|             |         |                         |               |
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## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items   | Result (PASS/FAIL) | Remark |
|---------------|-----------------|--|--------------------|--------|
| 1.1.2         | 15.203          | Antenna Requirement  | PASS               | -      |
| 3.1           | 15.407(a)       | Emission Bandwidth   | PASS               | -      |
| 3.2           | 15.407(a)       | Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) | PASS               | -      |
| 3.3           | 15.407(a)       | Peak Power Spectral Density (E.I.R.P.)                     | PASS               | -      |
| 3.4           | 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: Lavender Zeng**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

For IEEE:

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|------------------|---------------------|----------------|
| 5925-6425             | ax (HEW20)       | 5955-6415           | 1-93 [24]      |
| 6525-6875             |                  | 6535-6855           | 117-181 [17]   |
| 5925-6425             | ax (HEW40)       | 5965-6405           | 3-91 [12]      |
| 6525-6875             |                  | 6565-6845           | 123-179 [8]    |
| 5925-6425             | ax (HEW80)       | 5985-6385           | 7-87 [6]       |
| 6525-6875             |                  | 6625-6785           | 135-167 [3]    |
| 5925-6425             | ax (HEW160)      | 6025-6345           | 15-79 [3]      |
| 6525-6875             |                  | 6665                | 143 [1]        |

| Band           | Mode            | BWch (MHz) | Nant |
|----------------|-----------------|------------|------|
| 5.925-6.425GHz | 802.11ax HEW20  | 20         | 2TX  |
| 5.925-6.425GHz | 802.11ax HEW40  | 40         | 2TX  |
| 5.925-6.425GHz | 802.11ax HEW80  | 80         | 2TX  |
| 5.925-6.425GHz | 802.11ax HEW160 | 160        | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW20  | 20         | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW40  | 40         | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW80  | 80         | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW160 | 160        | 2TX  |

Note:

- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**For Non IEEE:**

| Frequency Range (MHz) | Mode | Ch. Frequency (MHz) |
|-----------------------|------|---------------------|
| 6525-6875             | 80   | 6835                |
| 6525-6875             | 160  | 6795                |

| Band           | Mode | BWch (MHz) | Nant |
|----------------|------|------------|------|
| 6.525-6.875GHz | 80   | 80         | 2TX  |
| 6.525-6.875GHz | 160  | 160        | 2TX  |

**Note:**

- ♦ 80 and 160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

### 1.1.2 Antenna Information

For Dish Antenna:

| Ant. | Port | Brand   | Model Name                 | Antenna Type            | Connector | Gain (dBi) |         |
|------|------|---------|----------------------------|-------------------------|-----------|------------|---------|
|      |      |         |                            |                         |           | UNII3      | UNII5&7 |
| 1    | 1    | Cambium | ePMP 6GHz 2x2 Dish Antenna | Dish (Directional Ant.) | RP-SMA    | 25.21      | 28.7    |
|      | 2    | Cambium | ePMP 6GHz 2x2 Dish Antenna | Dish (Directional Ant.) | RP-SMA    | 25.21      | 28.7    |

Note 1: The Dish antenna is cross polarization.

For Sector Antenna:

| Ant. | Ant. CH | Port | Brand   | Model Name                           | Antenna Type              | Connector | Gain (dBi) |       |
|------|---------|------|---------|--------------------------------------|---------------------------|-----------|------------|-------|
|      |         |      |         |                                      |                           |           | UNII3&5    | UNII7 |
| 1    | 0       | -    | Cambium | ePMP 2x2 6GHz MU-MIMO Sector Antenna | Sector (Directional Ant.) | RP-SMA    | 18         | 18.73 |
|      | 1       | 1    | Cambium | ePMP 2x2 6GHz MU-MIMO Sector Antenna | Sector (Directional Ant.) | RP-SMA    | 18         | 18.73 |
|      | 2       | 2    | Cambium | ePMP 2x2 6GHz MU-MIMO Sector Antenna | Sector (Directional Ant.) | RP-SMA    | 18         | 18.73 |
|      | 3       | -    | Cambium | ePMP 2x2 6GHz MU-MIMO Sector Antenna | Sector (Directional Ant.) | RP-SMA    | 18         | 18.73 |

Note 2: The Sector antenna has four CH ports. Only two CH ports (CH1 and CH2) were used for the EUT. The Sector antenna is cross polarization: CH 1 is vertical and CH 2 is horizontal.

Note 3: The above information was declared by manufacturer.

Note 4: Directional gain information for Dish antenna

| 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 $N_{ANT} \leq 4$ | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ |
| BF     | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$                       | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ |

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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



Where;  
Dish ANT  
Cross-Polarized Antenna  
6G UNII-5 G1= 28.70 dBi ; G2= 28.70 dBi ;DG= 28.70 dBi  
6G UNII-7 G1= 28.70 dBi ; G2= 28.70 dBi ;DG= 28.70 dBi

**Note 5: For 5GHz function****For IEEE 802.11a/n/ac/ax (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

**For 6GHz function****For IEEE 802.11ax (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle****For Dish Antenna:**

| Mode           | DC    | DCF (dB) | T (s)  | VBW (Hz)_1/T |
|----------------|-------|----------|--------|--------------|
| 80_Nss 1,(M0)  | 0.869 | 0.61     | 5.456m | 300          |
| 160_Nss 1,(M0) | 0.854 | 0.69     | 5.456m | 300          |

**For Sector Antenna:**

| Mode           | DC    | DCF (dB) | T (s) | VBW (Hz) ≥ 1/T |
|----------------|-------|----------|-------|----------------|
| 80_Nss 1,(M0)  | 0.853 | 0.69     | 5.46m | 300            |
| 160_Nss 1,(M0) | 0.865 | 0.63     | 5.46m | 300            |

**Note:**

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



**1.1.4 EUT Operational Condition**

|                                    |                                     |                     |                                     |                             |
|------------------------------------|-------------------------------------|---------------------|-------------------------------------|-----------------------------|
| <b>EUT Power Type</b>              | From PoE                            |                     |                                     |                             |
| <b>Beamforming Function</b>        | <input type="checkbox"/>            | With beamforming    | <input checked="" type="checkbox"/> | Without beamforming         |
| <b>Device Type</b>                 | <input type="checkbox"/>            | Indoor Access Point | <input type="checkbox"/>            | Subordinate                 |
|                                    | <input type="checkbox"/>            | Indoor Client       | <input checked="" type="checkbox"/> | Standard Power Access Point |
|                                    | <input type="checkbox"/>            | Dual Client         | <input checked="" type="checkbox"/> | Standard Client             |
|                                    | <input checked="" type="checkbox"/> | Fixed Client        |                                     |                             |
| <b>Condition of EUT</b>            | <input type="checkbox"/>            | Indoor              | <input checked="" type="checkbox"/> | Outdoor                     |
| <b>Channel Puncturing Function</b> | <input type="checkbox"/>            | Supported           | <input checked="" type="checkbox"/> | Unsupported                 |
| <b>Support RU</b>                  | <input checked="" type="checkbox"/> | Full RU             | <input type="checkbox"/>            | Partial RU                  |
| <b>Test Software Version</b>       | QRCT V4.0.00192.0                   |                     |                                     |                             |

Note: The above information was declared by manufacturer.

**1.1.5 Table for Multiple Listing**

The two models are identical except for the difference listed below:

| <b>EUT</b> | <b>Equipment Name / Model Name</b> | <b>Model Number</b> | <b>WLAN Antenna</b> |
|------------|------------------------------------|---------------------|---------------------|
| 1          | ePMP 6 GHz Force 4600C SM          | C068940P151A        | Dish Antenna        |
| 2          | ePMP 4600L 6 GHz 2x2 Access Point  |                     | Sector Antenna      |

Note: The above information was declared by manufacturer.

**1.1.6 Table for EUT Supports Function**

| <b>Function</b> | <b>5GHz Support Band</b> | <b>6GHz Support Band</b> |                                   | <b>Support Non-IEEE Mode in 6GHz</b> |
|-----------------|--------------------------|--------------------------|-----------------------------------|--------------------------------------|
| Master          | UNII 3                   | UNII 5                   | Standard Power Access Point (6SD) | X                                    |
|                 |                          | UNII 7                   |                                   | V                                    |
| Client          | UNII 3                   | UNII 5                   | Standard Client (6FX)             | X                                    |
|                 |                          |                          | Fixed Client (6FC)                | X                                    |
|                 |                          | UNII 7                   | Standard Client (6FX)             | X                                    |
|                 |                          |                          | Fixed Client (6FC)                | V                                    |

Note: The above information was declared by manufacturer.



### 1.1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 140145-01

Below is the table for the change of the product with respect to the original one.

| Modifications   | Performance Checking   |
|---|--|
| Adding frequencies for 6835 MHz at 80MHz and 6795 MHz at 160MHz for Non IEEE in UNII 7 for 6SD and 6FC modes through SW change. | For 6835 MHz and 6795 MHz with 6SD mode:<br><ol style="list-style-type: none"><li>1. Emission Bandwidth</li><li>2. Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)</li><li>3. Peak Power Spectral Density (E.I.R.P.)</li><li>4. Unwanted Emissions</li><li>5. Emission Mask</li></ol> |



## 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 15.407
- ♦ 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 D01 v02r01
- ♦ FCC KDB 987594 D02 v02r01
- ♦ FCC KDB 412172 D01 v01r01

## 1.3 Testing Location Information

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

| Test Condition | Test Site No. | Test Engineer | Test Environment<br>(°C / %) | Test Date                       |
|----------------|---------------|---------------|------------------------------|---------------------------------|
| RF Conducted   | TH03-CB       | Nyle Chnag    | 23.7~24.1 / 61~65            | Jun. 22, 2024                   |
| Radiated       | 03CH02-CB     | Jackson Peng  | 21.8-22.9 / 55-58            | Jun. 07, 2024~<br>Jun. 21, 2024 |

## 1.4 Measurement Uncertainty

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

| Test Items                        | Uncertainty | Remark                   |
|-----------------------------------|-------------|--------------------------|
| 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 Dish Antenna:**

| Mode                |
|---------------------|
| 80_Nss1,(MCS0)_2TX  |
| 6835MHz             |
| 160_Nss1,(MCS0)_2TX |
| 6795MHz             |

**For Sector Antenna:**

| Mode                |
|---------------------|
| 80_Nss1,(MCS0)_2TX  |
| 6835MHz             |
| 160_Nss1,(MCS0)_2TX |
| 6795MHz             |

Note: The power of the “Fixed Client” mode is exactly the same as the “Standard power access point” mode.

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |  |
|---|--|
| <b>Tests Item</b>                                   | Emission Bandwidth<br>Emission MASK      |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains |
| <b>Test Mode</b>                                    |  |
| 1   | EUT 1 + Dish antenna                     |
| 2   | EUT 2 + Sector antenna                   |

| The Worst Case Mode for Following Conformance Tests |  |
|---|--|
| <b>Tests Item</b>                                   | Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)<br>Peak Power Spectral Density (E.I.R.P.) |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains   |
| <b>Test Mode</b>                                    |  |
| 1   | EUT 1 + Dish antenna   |

| The Worst Case Mode for Following Conformance Tests |  |
|---|--|
| <b>Tests Item</b>                                   | Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) for Phi 30° |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains                               |
| <b>Test Mode</b>                                    |  |
| 1   | EUT 2 + Sector antenna   |

| The Worst Case Mode for Following Conformance Tests |   |
|---|---|
| <b>Tests Item</b>                                   | Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) for others<br>Peak Power Spectral Density (E.I.R.P.)   |
| <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>Test Mode</b>                                    | After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.  |
| 1   | EUT 2 in Y axis + Sector antenna  |



| The Worst Case Mode for Following Conformance Tests |   |
|---|---|
| Tests Item  | Unwanted Emissions  |
| Test Condition                                      | 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. |
| Operating Mode > 1GHz                               | CTX   |
|   | After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.  |
| 1   | EUT 1 in Y axis + Dish antenna  |
| 2   | EUT 2 in Y axis + Sector antenna  |

Note: The PoE was for measurement only and would not be marketed.  
Its information is shown as below:

| Equipment | Brand Name       | Model Name   | FCC ID |
|-----------|------------------|--------------|--------|
| PoE       | Cambium Networks | NET-P30-56IN | N/A    |

## 2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

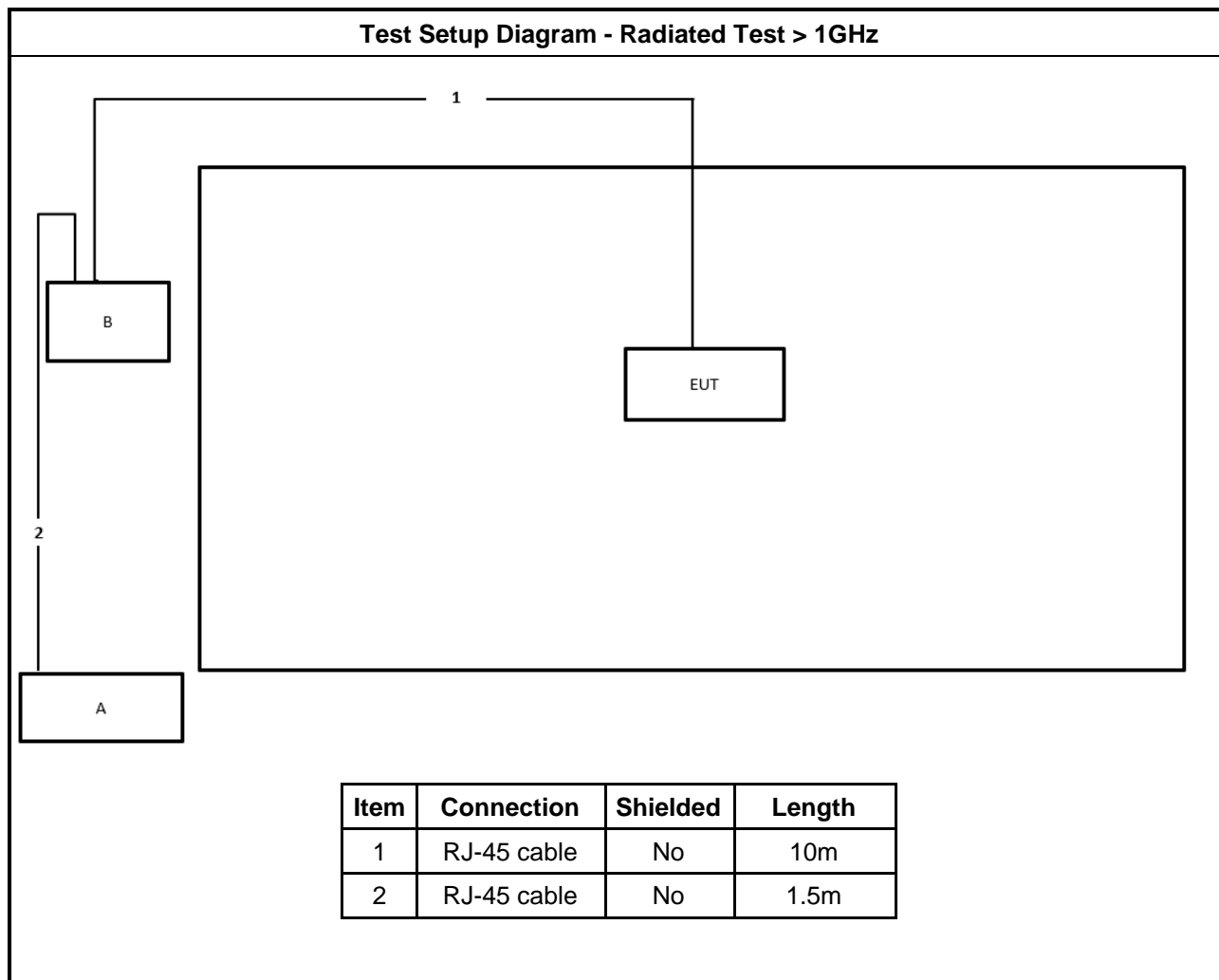
## 2.4 Accessories

N/A

## 2.5 Support Equipment

| Support Equipment |           |                  |              |        |
|-------------------|-----------|------------------|--------------|--------|
| No.               | Equipment | Brand Name       | Model Name   | FCC ID |
| A                 | Notebook  | DELL             | E4300        | N/A    |
| B                 | PoE       | Cambium Networks | NET-P30-56IN | N/A    |

## 2.6 Test Setup Diagram



### 3 Transmitter Test Result

#### 3.1 Emission Bandwidth

##### 3.1.1 Emission Bandwidth Limit

| Emission Bandwidth Limit            |                                 |
|-------------------------------------|---------------------------------|
| <b>UNII Devices</b>                 |                                 |
| <input type="checkbox"/>            | For the 5925-6425 GHz band, N/A |
| <input type="checkbox"/>            | For the 6425-6525 GHz band, N/A |
| <input checked="" type="checkbox"/> | For the 6525-6875 GHz band, N/A |
| <input type="checkbox"/>            | For the 6875-7125 GHz band, N/A |
| <b>RLAN Devices</b>                 |                                 |
| <input type="checkbox"/>            | For the 5925-6425 GHz band, N/A |
| <input type="checkbox"/>            | For the 6425-6525 GHz band, N/A |
| <input type="checkbox"/>            | For the 6525-6875 GHz band, N/A |
| <input type="checkbox"/>            | For the 6875-7125 GHz band, N/A |

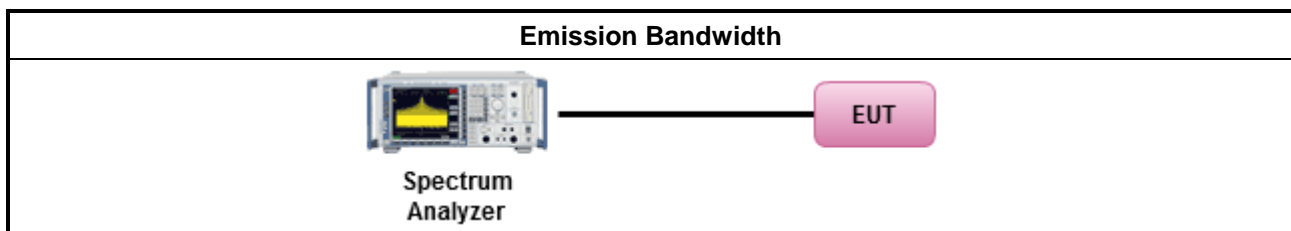
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

| Test Method  |  |
|--|--|
| ▪ For the emission bandwidth shall be measured using one of the options below: |  |
| <input checked="" type="checkbox"/>  | According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to 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.   |

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A





### 3.2 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)

#### 3.2.1 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit

| Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit    |  |
|---|--|
| <b>UNII Devices</b>   |  |
| <input type="checkbox"/> For the 5.925 ~ 6.425 GHz band:            |  |
|   | ■ For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm). |
|   | ■ For indoor access point : e.i.r.p < 30 dBm.  |
|   | ■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.   |
|   | ■ For client device control of a standard power access point : e.i.r.p < 30 dBm.   |
|   | ■ For client device control of an indoor access point : e.i.r.p < 24 dBm.  |
| <input type="checkbox"/> For the 6.425 ~ 6.525 GHz band:            |  |
|   | ■ For indoor access point : e.i.r.p < 30 dBm.  |
|   | ■ For client device control of an indoor access point : e.i.r.p < 24 dBm.  |
| <input checked="" type="checkbox"/> For the 6.525 ~ 6.875 GHz band: |  |
|   | ■ For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm). |
|   | ■ For indoor access point : e.i.r.p < 30 dBm.  |
|   | ■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.   |
|   | ■ For client device control of a standard power access point : e.i.r.p < 30 dBm.   |
|   | ■ For client device control of an indoor access point : e.i.r.p < 24 dBm.  |
| <input type="checkbox"/> For the 6.875 ~ 7.125 GHz band:            |  |
|   | ■ For indoor access point : e.i.r.p < 30 dBm.  |
|   | ■ For client device control of an indoor access point : e.i.r.p < 24 dBm.  |
| <b>RLAN Devices</b>   |  |
| <input type="checkbox"/> For the 5.925 ~ 7.125 GHz band:            |  |
|   | ■ For low-power indoor access-points & indoor subordinate devices < 30 dBm .   |
|   | ■ For low-power client devices < 24 dBm.   |
| <input type="checkbox"/> For the 5.925 ~ 6.875 GHz band:            |  |
|   | ■ For standard-power access points & fixed client devices < 36 dBm.  |
|   | ■ For standard client devices < 30 dBm.  |



### 3.2.2 Measuring Instruments

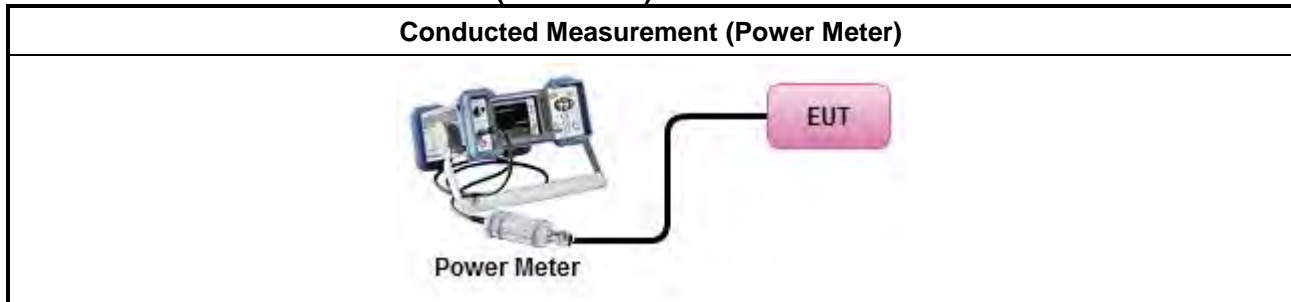
Refer a test equipment and calibration data table in this test report.

### 3.2.3 Test Procedures

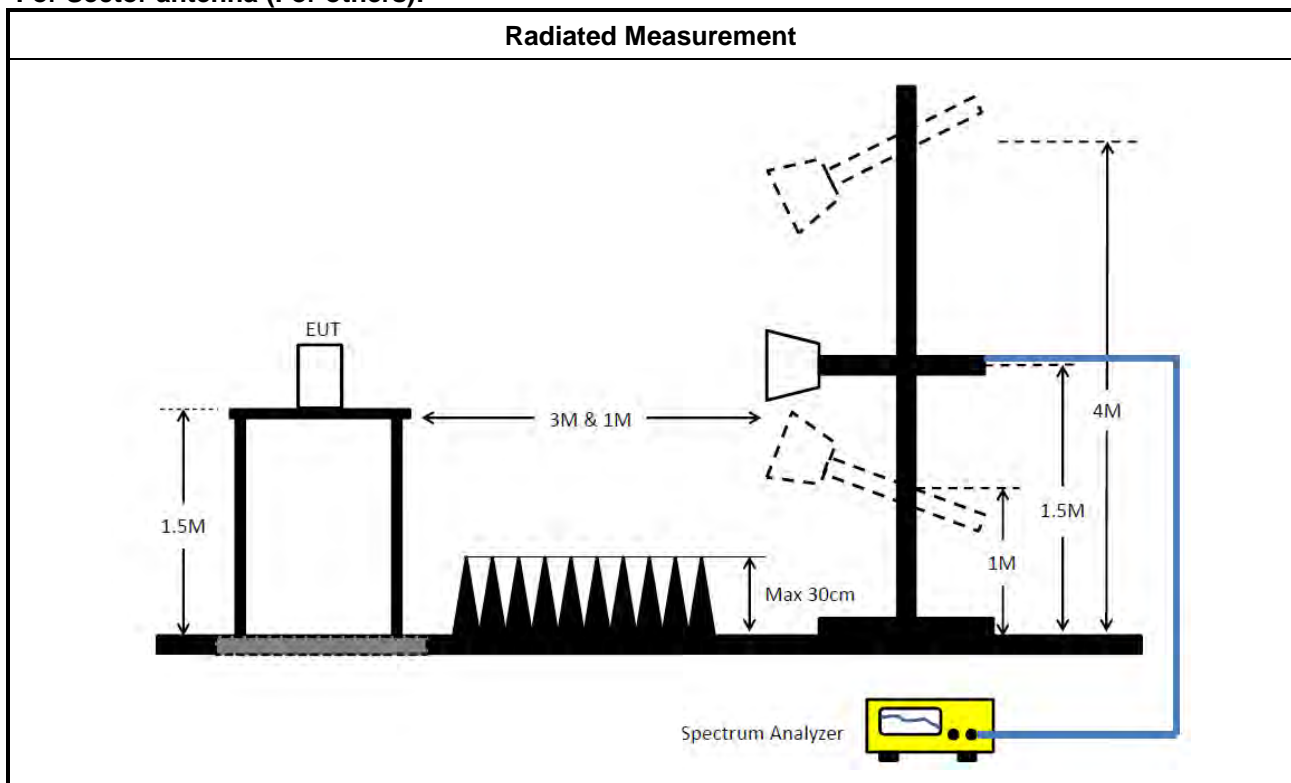
| Test Method  |   |
|--|---|
| ▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033. |   |
|  | Average over on/off periods with duty factor  |
|  | <input checked="" type="checkbox"/> For 6SD mode with Sector antenna (For others): Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).<br>Spectrum analyzer setting: RBW/VBW : 1/3MHz ; Detector : RMS ; Trace mode : Average ; Sweep Count 100.  |
|  | <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"/> For 6SD mode with Dish antenna and with Sector antenna (For Phi 30°) and for 6FX mode: Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).   |
|  | <input checked="" type="checkbox"/> For conducted measurement: For 6SD mode with Dish antenna and with Sector antenna (For Phi 30°) and for 6FX mode.   |
|  | ▪ 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. |
|  | ▪ If multiple transmit chains, EIRP calculation could be following as methods:<br>$P_{total} = P_1 + P_2 + \dots + P_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = P_{total} + DG$   |
|  | <input checked="" type="checkbox"/> For radiated measurement: For 6SD mode with Sector antenna (For others)   |
|  | ▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"  |
|  | ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.   |
|  | ▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.  |

### 3.2.4 Test Setup

For Dish antenna and Sector antenna (For Phi 30°):



For Sector antenna (For others):



### 3.2.5 Test Result of Maximum Equivalent Isotropically Radiated Power (E.I.R.P)

Refer as Appendix B



### 3.3 Peak Power Spectral Density (E.I.R.P.)

#### 3.3.1 Peak Power Spectral Density (E.I.R.P.) Limit

| Peak Power Spectral Density (E.I.R.P.) Limit                        |  |
|---|--|
| <b>UNII Devices</b>   |  |
| <input type="checkbox"/> For the 5.925 ~ 6.425 GHz band:            |  |
|   | ▪ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.    |
|   | ▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
|   | ▪ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.    |
|   | ▪ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz. |
|   | ▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |
| <input type="checkbox"/> For the 6.425 ~ 6.525 GHz band:            |  |
|   | ▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
|   | ▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |
| <input checked="" type="checkbox"/> For the 6.525 ~ 6.875 GHz band: |  |
|   | ▪ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.    |
|   | ▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
|   | ▪ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.    |
|   | ▪ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz. |
|   | ▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |
| <input type="checkbox"/> For the 6.875 ~ 7.125 GHz band:            |  |
|   | ▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
|   | ▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |
| <b>RLAN Devices</b>   |  |
| <input type="checkbox"/> For the 5.925 ~ 7.125 GHz band:            |  |
|   | ▪ For low-power indoor access-points & indoor subordinate devices < 5 dBm / MHz.         |
|   | ▪ For low-power client devices < -1 dBm / MHz.   |
| <input type="checkbox"/> For the 5.925 ~ 6.875 GHz band:            |  |
|   | ▪ For standard-power access points & fixed client devices < 23 dBm / MHz.                |
|   | ▪ For standard client devices < 17 dBm / MHz.  |

#### 3.3.2 Measuring Instruments

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



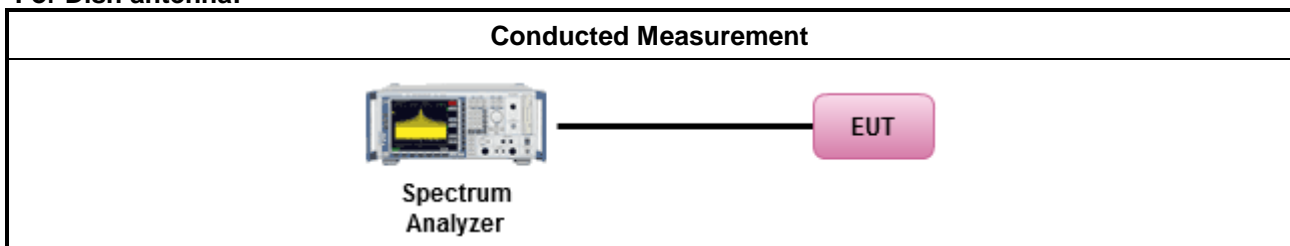
### 3.3.3 Test Procedures

| Test Method   |  |
|---|--|
| <ul style="list-style-type: none"><li>According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. 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: For 6SD mode with Dish antenna and for 6FX mode   |
| <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 display="block">PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math><br/>(calculated in linear unit [mW] and transfer to log unit [dBm])<br/><math display="block">EIRP_{total} = PPSD_{total} + DG</math></li></ul>  |  |

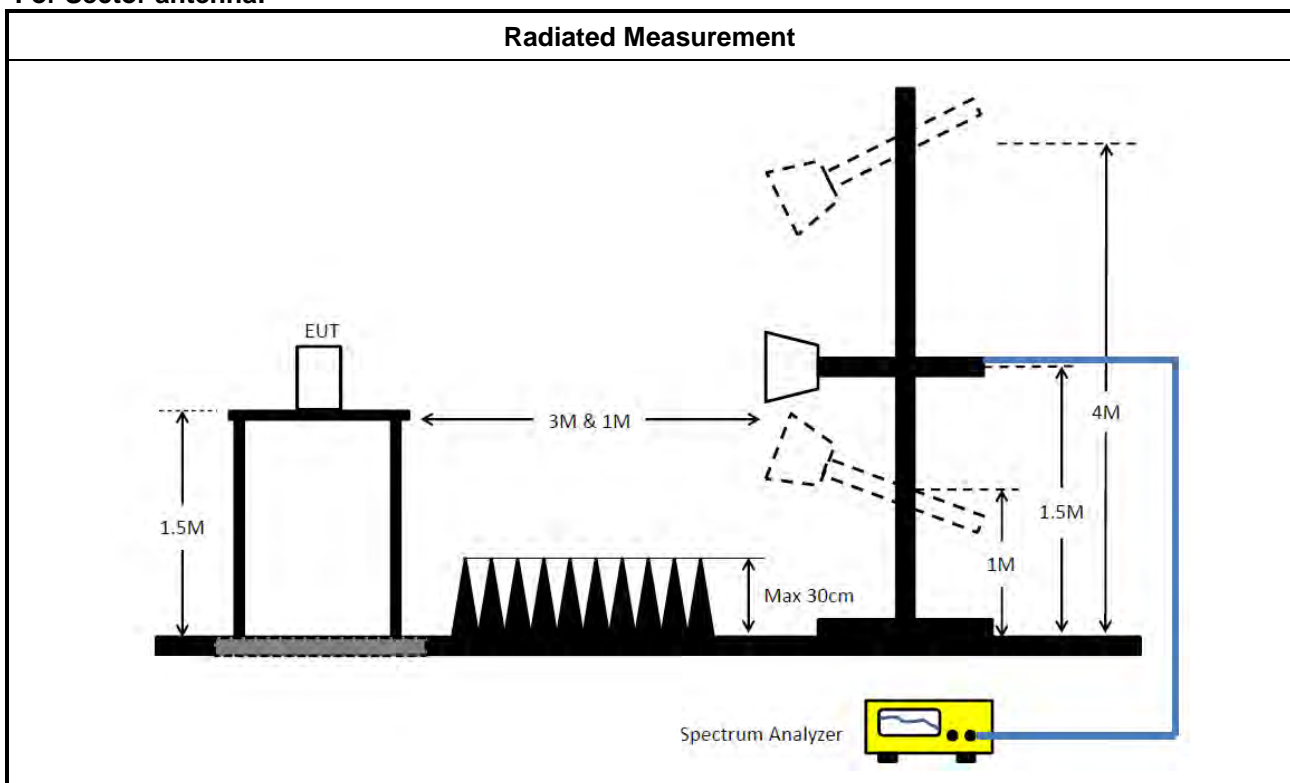
|                                     |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | For radiated measurement: For 6SD mode with Sector antenna   |
|                                     | <ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> </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>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>                                 |

### 3.3.4 Test Setup

**For Dish antenna:**



**For Sector antenna:**



### 3.3.5 Test Result of Peak Power Spectral Density (E.I.R.P.)

Refer as Appendix C



### 3.4 Unwanted Emissions

#### 3.4.1 Transmitter Unwanted Emissions Limit

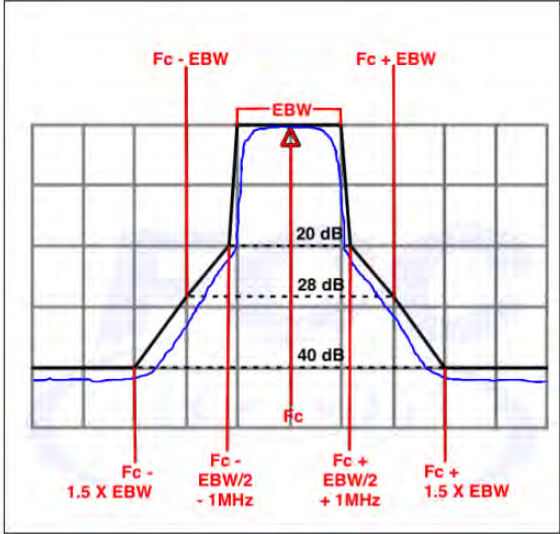
| Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit |                       |                         |                      |
|---|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz)   | Field Strength (uV/m) | Field Strength (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( $20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$ ).  
EX. Above 18GHz emission limit calculation (3m to 1m) =  $54\text{dBuV/m at 3m} + 9.54\text{dB} = 63.54\text{ dBuV/m at 1m}$ .

| Un-restricted band emissions above 1GHz Limit |   |
|---|---|
| Frequency                                     | Limit   |
| Any outside the 5.945 – 7.125 GHz emission    | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]<br><br>Note 1: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m( $20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$ ).<br>EX. Above 18GHz emission limit calculation (3m to 1m) = $68.2\text{dBuV/m at 3m} + 9.54\text{dB} = 77.74\text{ dBuV/m at 1m}$ .<br><br>Note 2:-27 dBm EIRP OOBE is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit. |

| Frequency         | Emission MASK Limit   |
|-------------------|---|
| 5.945 – 7.125 GHz | <p>Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.</p>  |





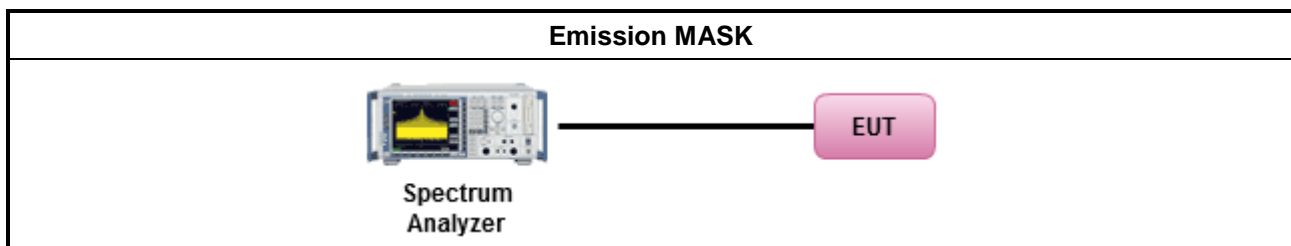
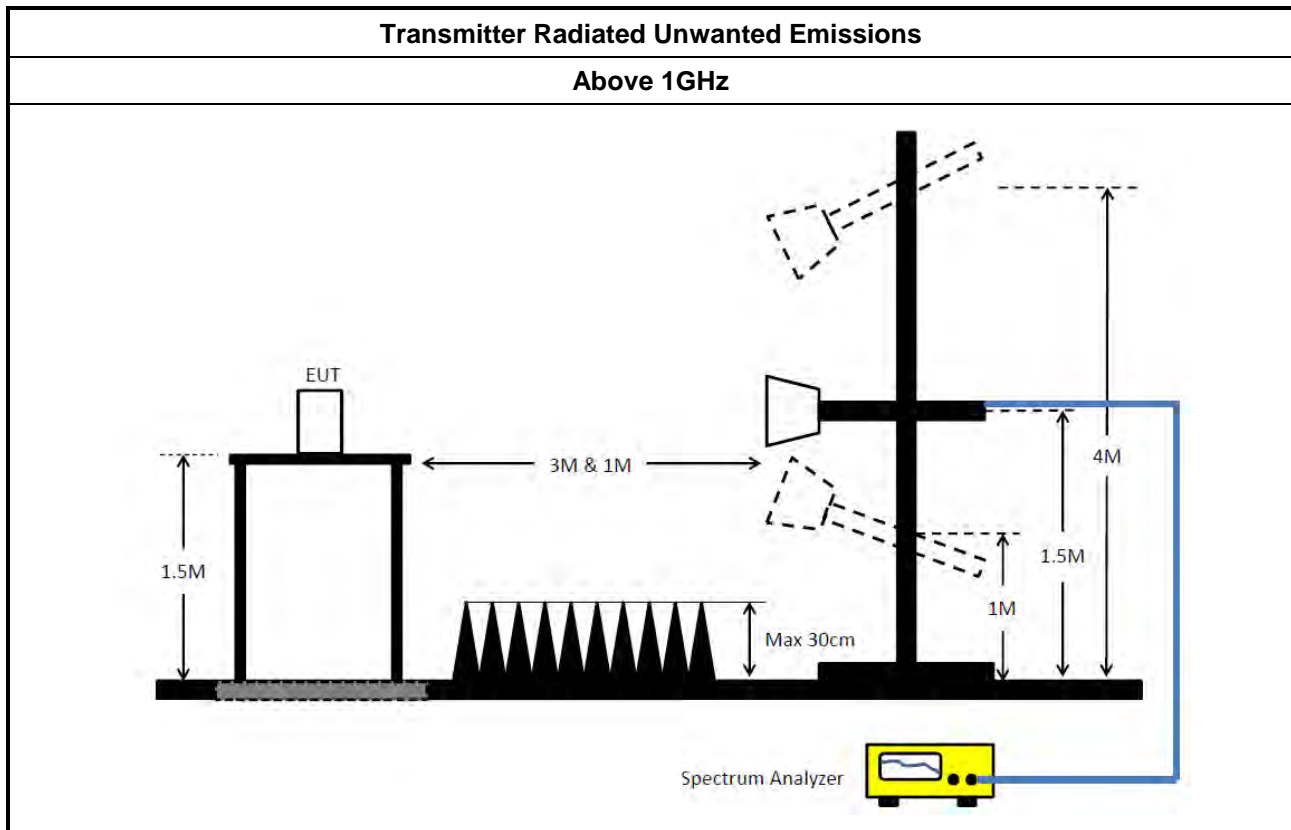
### 3.4.2 Measuring Instruments

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>According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK).<br/>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 checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).<br>(For unrestricted band measurement)                                    |
|   | <input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).  |
|   | <input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.( For restricted band average measurement) |
|   | <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>Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.</li></ul>   |  |
| <ul style="list-style-type: none"><li>For emission MASK shall be measured using following options below:</li></ul>  |  |
|   | <input checked="" type="checkbox"/> Refer as FCC KDB 987594 D02, J) In-Band Emissions  |
| <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>  |  |

### 3.4.4 Test Setup



### 3.4.5 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



## 4 Test Equipment and Calibration Data

| Instrument                    | Brand       | Model No.        | Serial No.       | Characteristics | Calibration Date | Calibration Due Date | Remark                |
|-------------------------------|-------------|------------------|------------------|-----------------|------------------|----------------------|-----------------------|
| 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. 04, 2023    | Sep. 03, 2024        | Radiation (03CH02-CB) |
| Pre-Amplifier                 | Agilent     | 83017A           | MY39501305       | 1GHz ~ 26.5GHz  | Jun. 30, 2023    | Jun. 29, 2024        | Radiation (03CH02-CB) |
| Pre-Amplifier                 | SGH         | SGH184           | 20221107-3       | 18GHz ~ 40GHz   | Nov. 24, 2023    | Nov. 23, 2024        | Radiation (03CH02-CB) |
| Signal Analyzer               | R&S         | FSV3044          | 101536           | 10kHz ~ 44GHz   | Jul. 24, 2023    | Jul. 23, 2024        | Radiation (03CH02-CB) |
| RF Cable-high                 | Woken       | RG402            | High Cable-18    | 1GHz ~ 18GHz    | Oct. 02, 2023    | Oct. 01, 2024        | Radiation (03CH02-CB) |
| RF Cable-high                 | Woken       | RG402            | High Cable-18+19 | 1GHz ~ 18GHz    | Oct. 02, 2023    | Oct. 01, 2024        | Radiation (03CH02-CB) |
| High Cable                    | Woken       | WCA0929M         | 40G#5+6          | 1GHz ~ 40 GHz   | Jan. 11, 2024    | Jan. 10, 2025        | Radiation (03CH02-CB) |
| Test Software                 | SPORTON     | SENSE            | V5.10            | -               | N.C.R.           | N.C.R.               | Radiation (03CH02-CB) |
| Spectrum analyzer             | R&S         | FSV40            | 101028           | 9kHz~40GHz      | Dec. 22, 2023    | Dec. 21, 2024        | Conducted (TH03-CB)   |
| Power Sensor                  | Anritsu     | MA2411B          | 1726195          | 300MHz~40GHz    | Sep. 04, 2023    | Sep. 03, 2024        | Conducted (TH03-CB)   |
| Power Meter                   | Anritsu     | ML2495A          | 1035008          | 300MHz~40GHz    | Sep. 04, 2023    | Sep. 03, 2024        | Conducted (TH03-CB)   |
| RF Cable                      | Woken       | RG402            | High Cable-11    | 30MHz ~18 GHz   | Oct. 02, 2023    | Oct. 01, 2024        | Conducted (TH03-CB)   |
| RF Cable                      | Woken       | RG402            | High Cable-12    | 30MHz ~18 GHz   | Oct. 02, 2023    | Oct. 01, 2024        | Conducted (TH03-CB)   |
| RF Cable                      | Woken       | RG402            | High Cable-13    | 30MHz ~18 GHz   | Oct. 02, 2023    | Oct. 01, 2024        | Conducted (TH03-CB)   |
| RF Cable-high                 | Woken       | RG402            | High Cable-14    | 1 GHz ~18 GHz   | Oct. 02, 2023    | Oct. 01, 2024        | Conducted (TH03-CB)   |
| RF Cable-high                 | Woken       | RG402            | High Cable-15    | 1 GHz ~18 GHz   | Oct. 02, 2023    | Oct. 01, 2024        | Conducted (TH03-CB)   |
| Switch                        | SPTCB       | SP-SWI           | SWI-03           | 1 ~26.5 GHz     | Oct. 03, 2023    | Oct. 02, 2024        | Conducted (TH03-CB)   |
| Band Rejector                 | MTJ         | 6G Band Rejector | 6G-BRJ-01        | 1 ~ 18GHz       | Oct. 03, 2023    | Oct. 02, 2024        | Conducted (TH03-CB)   |
| Band Rejector                 | MTJ         | 6G Band Rejector | 6G-BRJ-02        | 1~ 18GHz        | Oct. 03, 2023    | Oct. 02, 2024        | Conducted (TH03-CB)   |
| Test Software                 | SPORTON     | SENSE            | V5.10            | -               | N.C.R.           | N.C.R.               | Conducted (TH03-CB)   |

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

N.C.R means Non-Calibration required.

**Summary**

| Mode                | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------|------------------|-----------------|----------|------------------|-----------------|
| 6.525-6.875GHz      | -                | -               | -        | -                | -               |
| 80_Nss1,(MCS0)_2TX  | 81.18M           | 77.417M         | 77M4D1D  | 80.08M           | 77.126M         |
| 160_Nss1,(MCS0)_2TX | 161.92M          | 155.139M        | 155MD1D  | 161.92M          | 154.116M        |

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

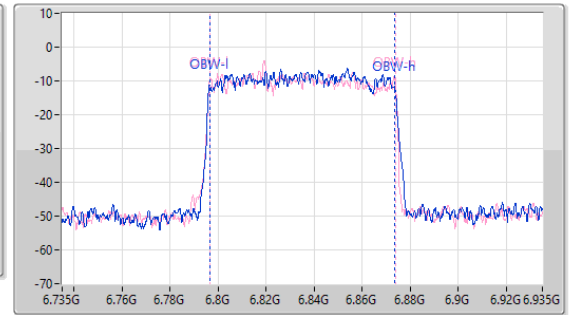
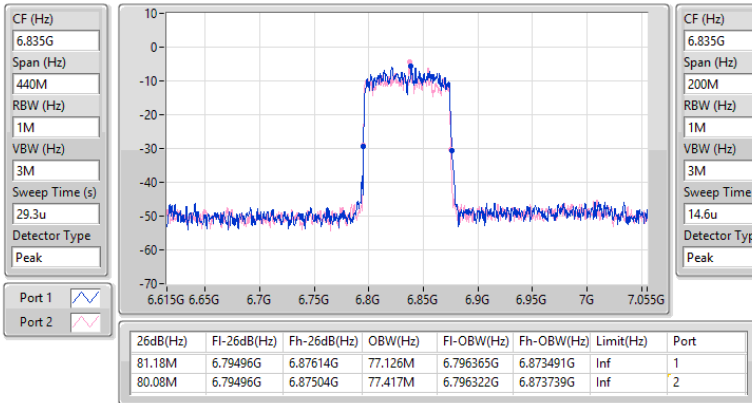
**Result**

| 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) |
|---------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 80_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 6835MHz             | Pass   | Inf           | 81.18M              | 77.126M            | 80.08M              | 77.417M            |
| 160_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 6795MHz             | Pass   | Inf           | 161.92M             | 154.116M           | 161.92M             | 155.139M           |

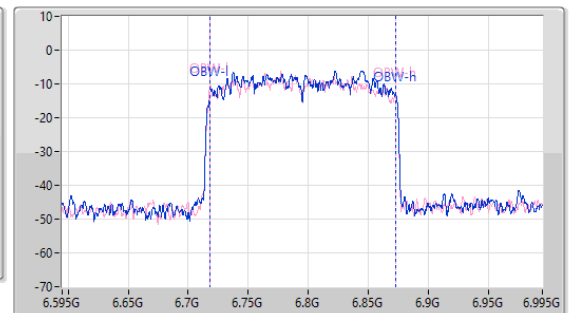
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

**6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX**
**EBW**
**6835MHz**

22/06/2024


**6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX**
**EBW**
**6795MHz**

22/06/2024



**Summary**

| Mode                | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------|------------------|-----------------|----------|------------------|-----------------|
| 6.525-6.875GHz      | -                | -               | -        | -                | -               |
| 80_Nss1,(MCS0)_2TX  | 80.74M           | 77.056M         | 77M1D1D  | 80.08M           | 76.875M         |
| 160_Nss1,(MCS0)_2TX | 161.92M          | 155.772M        | 156MD1D  | 161.48M          | 154.67M         |

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) |
|---------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 80_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 6835MHz             | Pass   | Inf           | 80.74M              | 76.875M            | 80.08M              | 77.056M            |
| 160_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 6795MHz             | Pass   | Inf           | 161.48M             | 154.67M            | 161.92M             | 155.772M           |

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

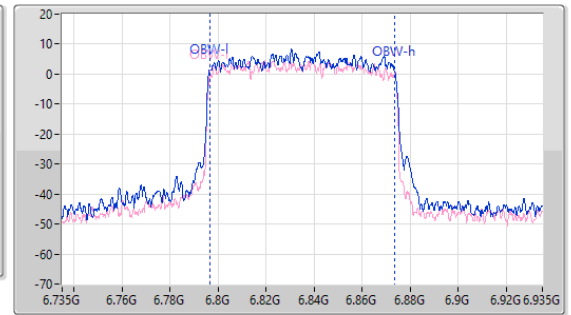
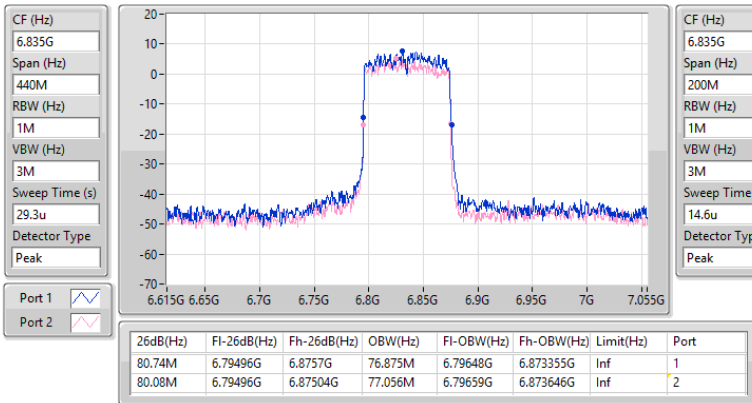


## 6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

EBW

6835MHz

22/06/2024

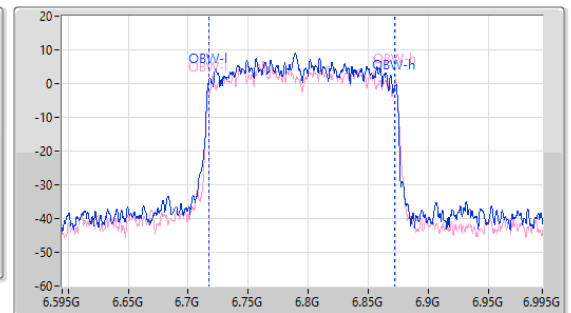
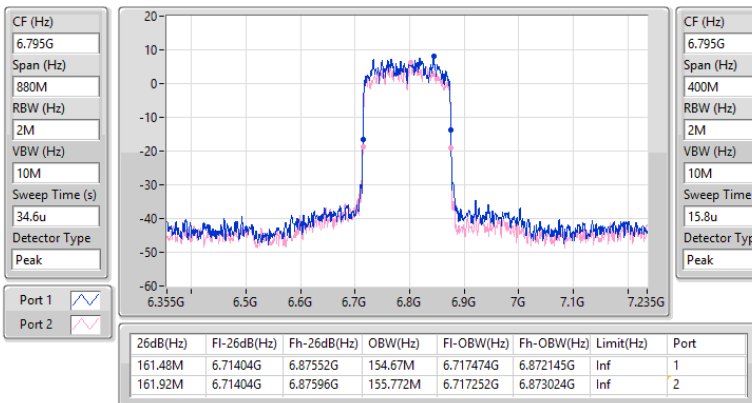


## 6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

EBW

6795MHz

22/06/2024





**Summary**

| Mode                | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W)      |
|---------------------|----------------------|--------------------|---------------|------------------|
| 6.525-6.875GHz      | -                    | -                  | -             | -                |
| 80_Nss1,(MCS0)_2TX  | 7.24                 | 0.00530            | 35.94/9.26    | 3.92645/0.008433 |
| 160_Nss1,(MCS0)_2TX | 7.22                 | 0.00527            | 35.92/9.24    | 3.90841/0.008395 |

## Result

| Mode                | Result | DG[Power] / DG<br>[Phi 30]<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | EIRP /<br>EIRP [Phi 30°]<br>(dBm) | EIRP Limit / EIRP<br>Limit [Phi 30°]<br>(dBm) |
|---------------------|--------|-------------------------------------|-----------------|-----------------|----------------------|----------------------|-----------------------------------|---|
| 80_Nss1,(MCS0)_2TX  | -      | -                                   | -               | -               | -                    | -                    | -                                 | -   |
| 6835MHz             | Pass   | 28.70/2.02                          | 4.74            | 3.64            | 7.24                 | Inf                  | 35.94/9.26                        | 36.00/21.00                                   |
| 160_Nss1,(MCS0)_2TX | -      | -                                   | -               | -               | -                    | -                    | -                                 | -   |
| 6795MHz             | Pass   | 28.70/2.02                          | 4.63            | 3.74            | 7.22                 | Inf                  | 35.92/9.24                        | 36.00/21.00                                   |

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



**Summary**

| Mode                | EIRP<br>(dBm) | EIRP<br>(W) |
|---------------------|---------------|-------------|
| 6.525-6.875GHz      | -             | -           |
| 80_Nss1,(MCS0)_2TX  | 31.57         | 1.43549     |
| 160_Nss1,(MCS0)_2TX | 30.76         | 1.19124     |

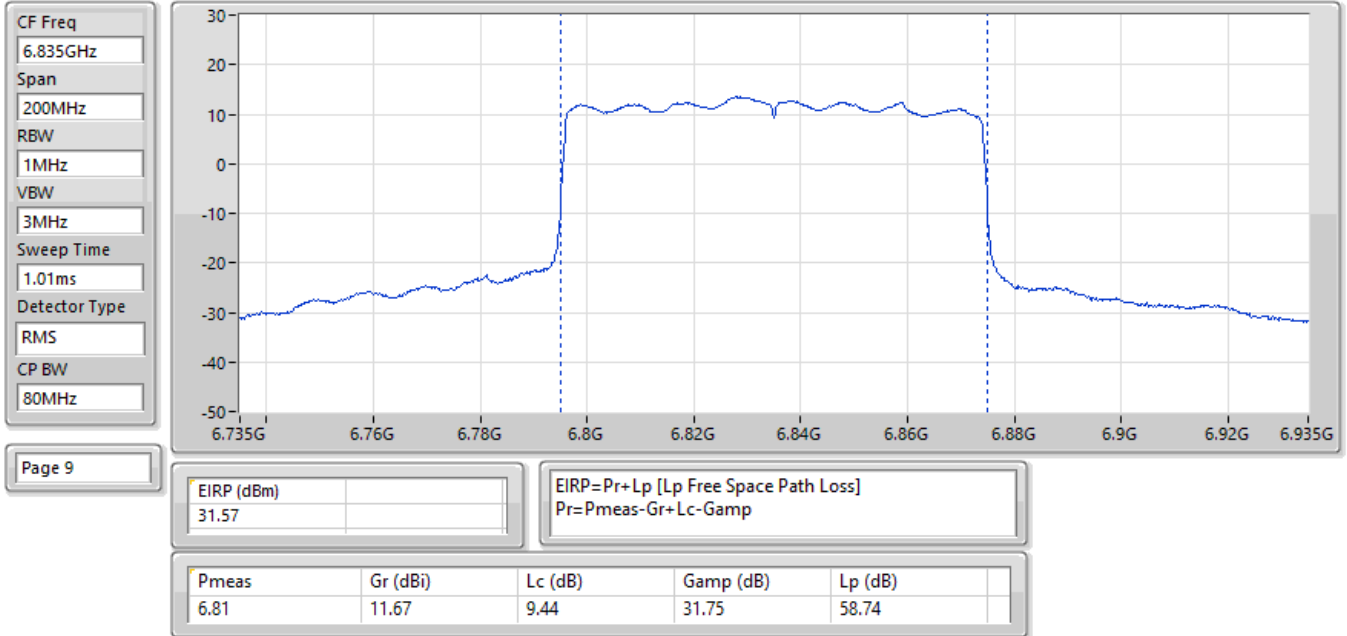


**Result**

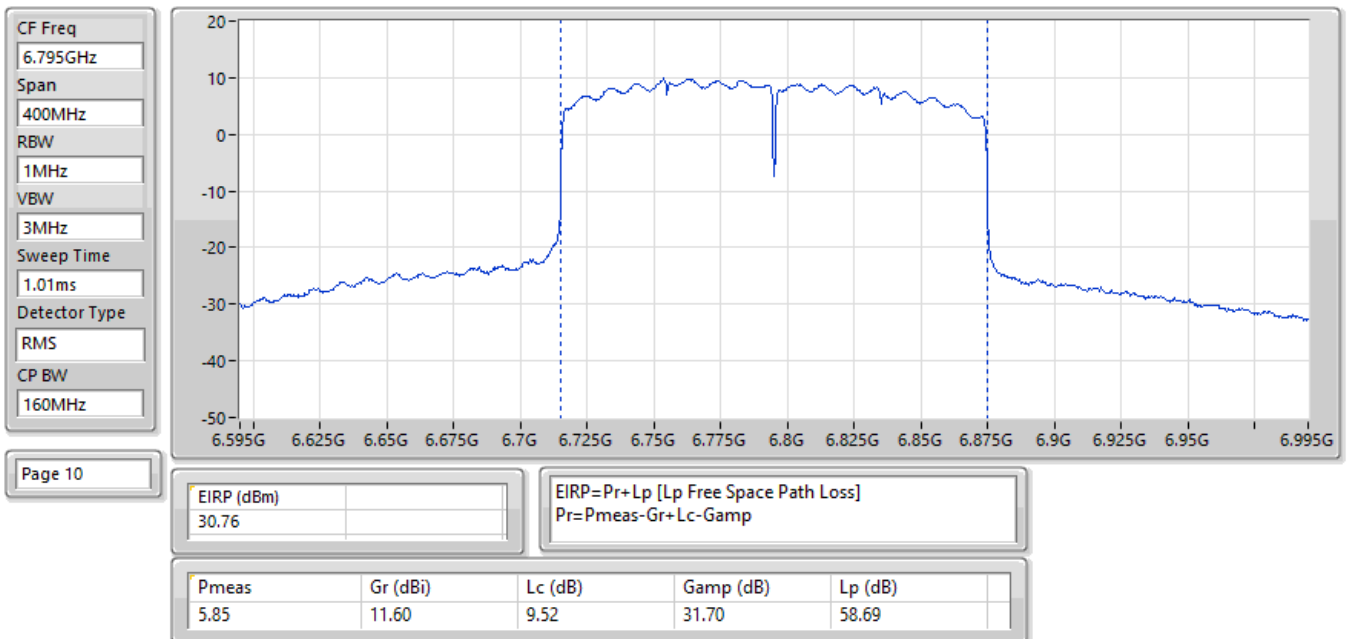
| Mode                | Result | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|---------------------|--------|---------------|---------------------|
| 80_Nss1,(MCS0)_2TX  | -      | -             | -                   |
| 6835MHz             | Pass   | 31.57         | 36.00               |
| 160_Nss1,(MCS0)_2TX | -      | -             | -                   |
| 6795MHz             | Pass   | 30.76         | 36.00               |

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

EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6835MHz;TX



EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6795MHz;TX





**Average Power-E.I.R.P. at any elevation angle above 30  
degrees\_Sector Antenna**

**Appendix B.3**

**Summary**

| Mode                | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|---------------------|----------------------|--------------------|---------------|-------------|
| 6.525-6.875GHz      | -                    | -                  | -             | -           |
| 80_Nss1,(MCS0)_2TX  | 19.66                | 0.09247            | 20.64         | 0.115878    |
| 160_Nss1,(MCS0)_2TX | 19.99                | 0.09977            | 20.97         | 0.125026    |



**Average Power-E.I.R.P. at any elevation angle above 30  
degrees\_Sector Antenna**

**Appendix B.3**

**Result**

| Mode                | Result | DG [Phi 30°]<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | EIRP [Phi 30°]<br>(dBm) | EIRP Limit [Phi 30°]<br>(dBm) |
|---------------------|--------|-----------------------|-----------------|-----------------|----------------------|-------------------------|-------------------------------|
| 80_Nss1,(MCS0)_2TX  | -      | -                     | -               | -               | -                    | -                       | -                             |
| 6835MHz             | Pass   | 0.98                  | 17.52           | 15.56           | 19.66                | 20.64                   | 21.00                         |
| 160_Nss1,(MCS0)_2TX | -      | -                     | -               | -               | -                    | -                       | -                             |
| 6795MHz             | Pass   | 0.98                  | 17.72           | 16.09           | 19.99                | 20.97                   | 21.00                         |

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





**Summary**

| Mode                | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|---------------------|-----------------|----------------------|
| 6.525-6.875GHz      | -               | -                    |
| 80_Nss1,(MCS0)_2TX  | -12.40          | 16.30                |
| 160_Nss1,(MCS0)_2TX | -15.07          | 13.63                |

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) | PD Limit<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|---------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 80_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                     | -                    | -                          |
| 6835MHz             | Pass   | 28.70       | -14.82              | -16.00              | -12.40          | Inf                   | 16.30                | 23.00                      |
| 160_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     | -                    | -                          |
| 6795MHz             | Pass   | 28.70       | -17.63              | -18.42              | -15.07          | Inf                   | 13.63                | 23.00                      |

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;

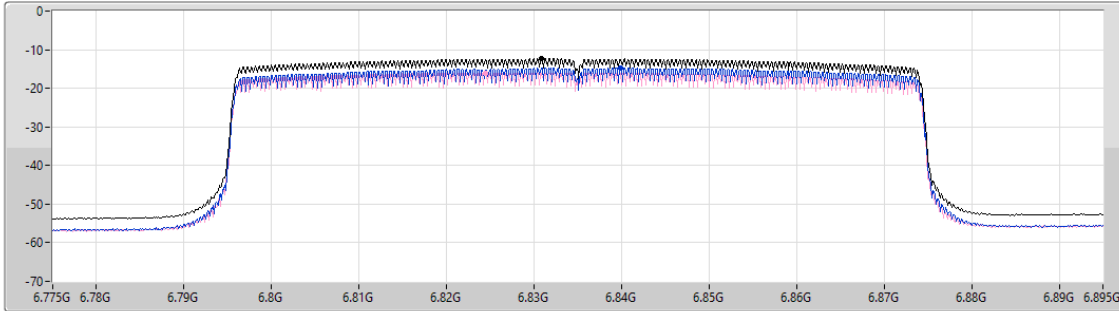
6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

PSD

6835MHz

22/06/2024

CF (Hz)  
6.835G  
Span (Hz)  
120M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
60  
Detector Type  
RMS



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -12.40   | -12.40   | -14.82   | -16.00   |

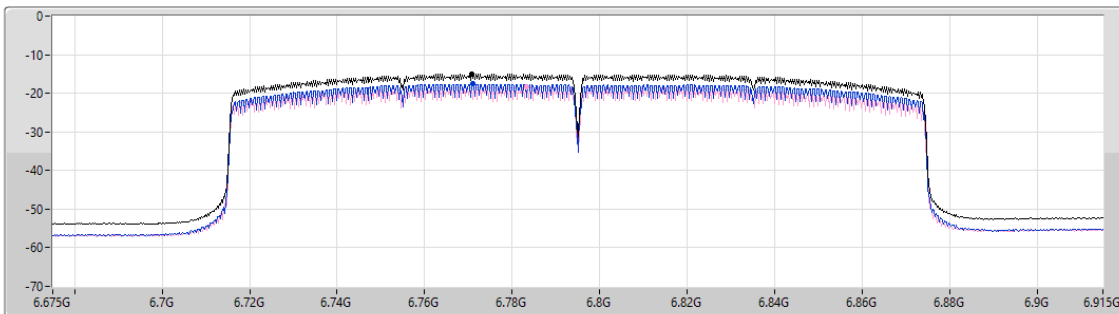
6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

PSD

6795MHz

22/06/2024

CF (Hz)  
6.795G  
Span (Hz)  
240M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
60  
Detector Type  
RMS



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -15.07   | -15.07   | -17.63   | -18.42   |



**Summary**

| Mode                | EIRP PD<br>(dBm/RBW) |
|---------------------|----------------------|
| 6.525-6.875GHz      | -                    |
| 80_Nss1,(MCS0)_2TX  | 13.87                |
| 160_Nss1,(MCS0)_2TX | 9.07                 |

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

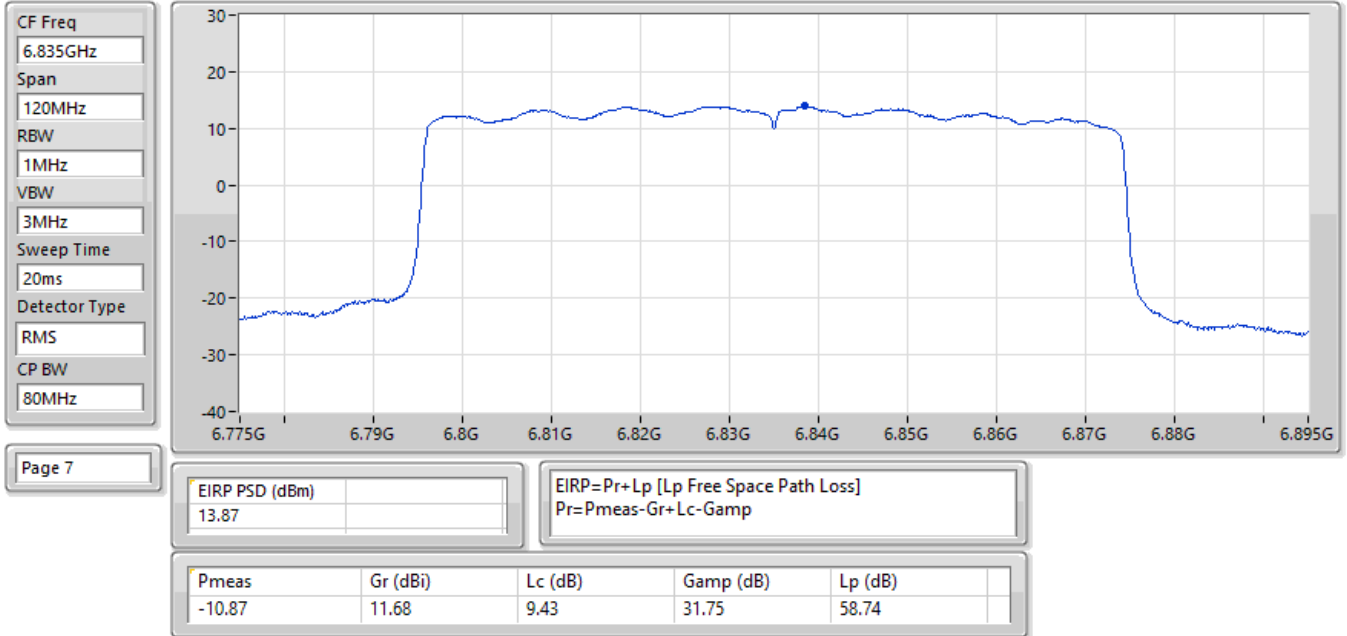


**Result**

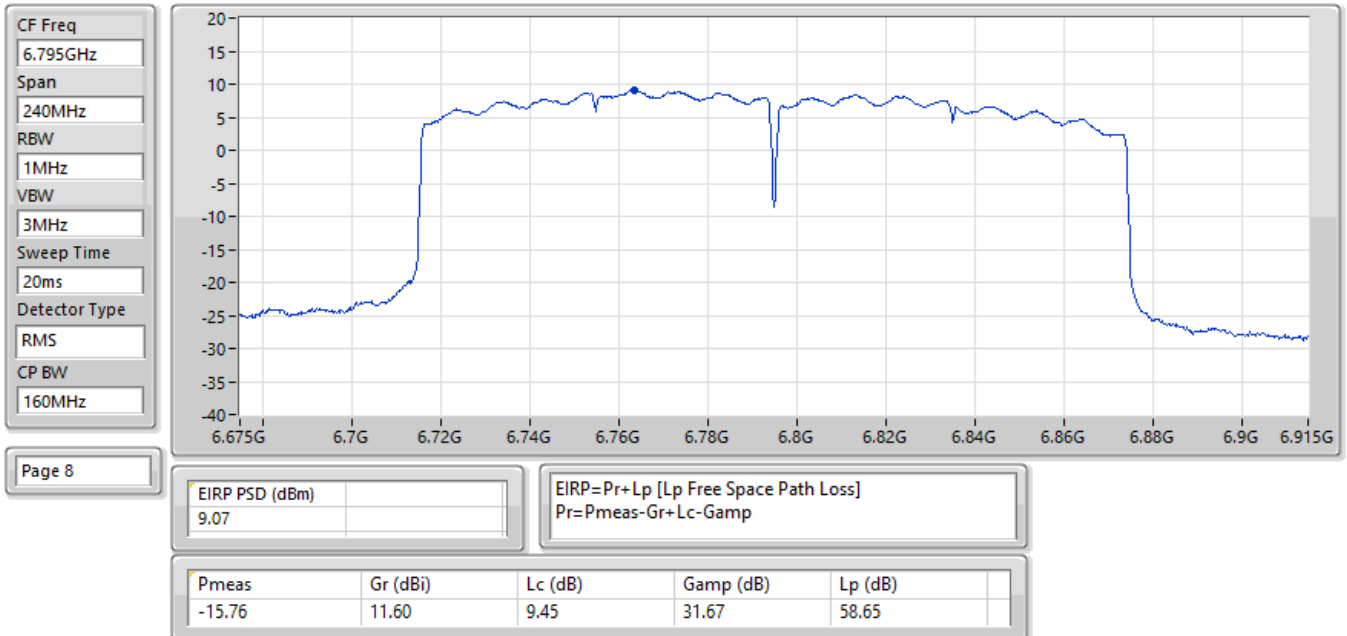
| Mode                | Result | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|---------------------|--------|----------------------|----------------------------|
| 80_Nss1,(MCS0)_2TX  | -      | -                    | -                          |
| 6835MHz             | Pass   | 13.87                | 23.00                      |
| 160_Nss1,(MCS0)_2TX | -      | -                    | -                          |
| 6795MHz             | Pass   | 9.07                 | 23.00                      |

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.

EIRP PSD;Band:6.7G;80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6835MHz;TX



EIRP PSD;Band:6.7G;160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6795MHz;TX



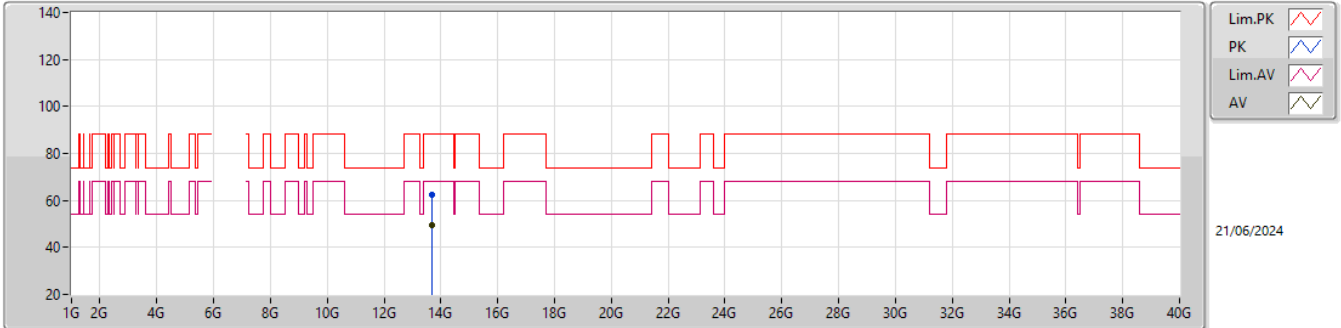


**Summary**

| Mode               | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 6.525-6.875GHz     | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 80_Nss1,(MCS0)_2TX | Pass   | RMS  | 13.685G      | 49.76             | 68.20             | -18.44         | 3           | Horizontal | 155            | 2.59          | -        |

6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX



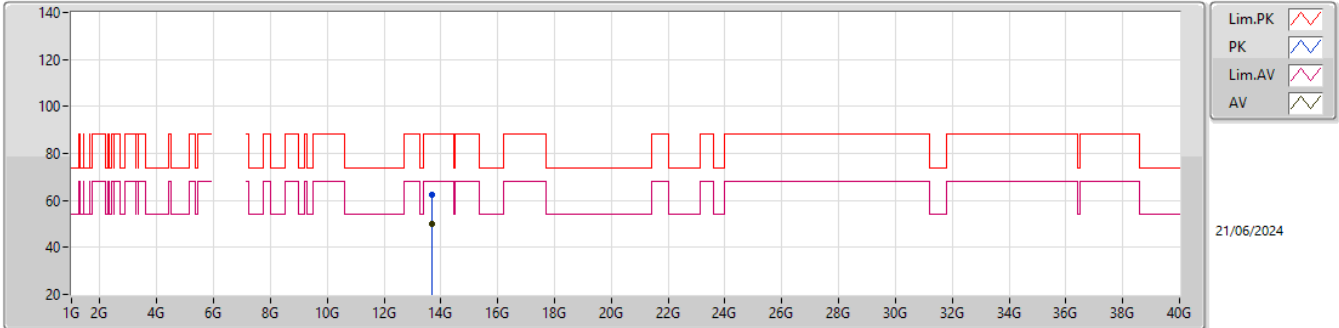
EUT\_Y\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 13.6757G  | 62.17    | 88.20    | -26.03 | 41.31  | 3    | Vertical  | 316     | 1.62   | -       | 40.80 | 12.34 | 32.28 |  |  |  |
| RMS  | 13.67933G | 49.71    | 68.20    | -18.49 | 28.83  | 3    | Vertical  | 316     | 1.62   | -       | 40.82 | 12.34 | 32.28 |  |  |  |



6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX

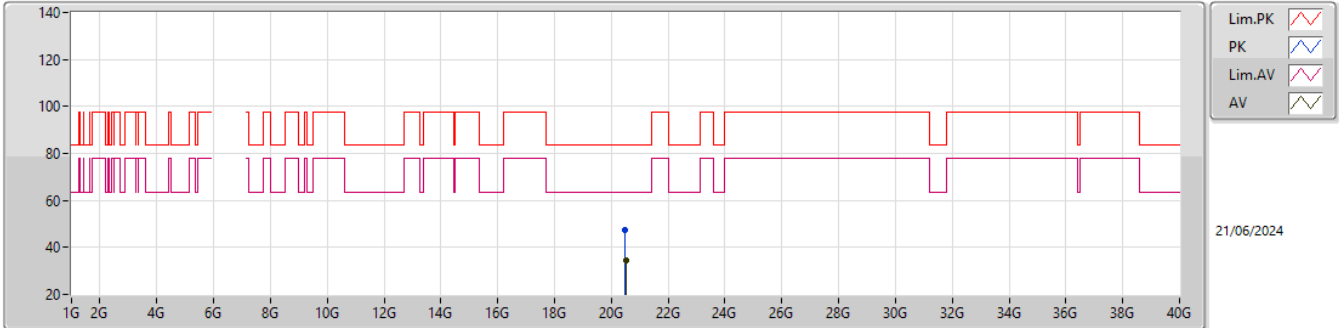


EUT\_Y\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 13.68116G | 62.67    | 88.20    | -25.53 | 41.79  | 3    | Horizontal | 155     | 2.59   | -       | 40.82 | 12.34 | 32.28 |  |  |  |
| RMS  | 13.685G   | 49.76    | 68.20    | -18.44 | 28.86  | 3    | Horizontal | 155     | 2.59   | -       | 40.84 | 12.34 | 32.28 |  |  |  |

6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX

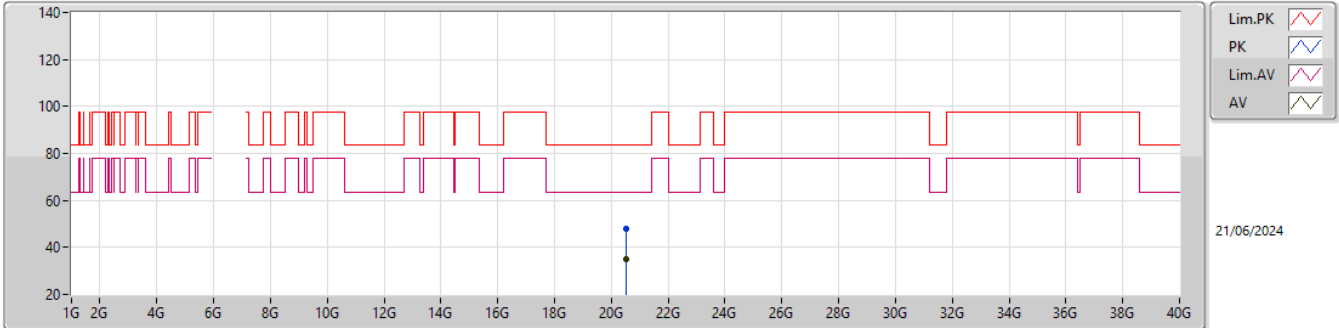


EUT\_Y\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 20.49309G | 47.23    | 74.00    | -26.77 | 43.12  | 1    | Vertical  | 331     | 1.06   | -       | 37.66 | 15.59 | 49.14 |  |  |  |
| AV   | 20.51853G | 34.73    | 54.00    | -19.27 | 30.54  | 1    | Vertical  | 331     | 1.06   | -       | 37.71 | 15.61 | 49.13 |  |  |  |

6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX

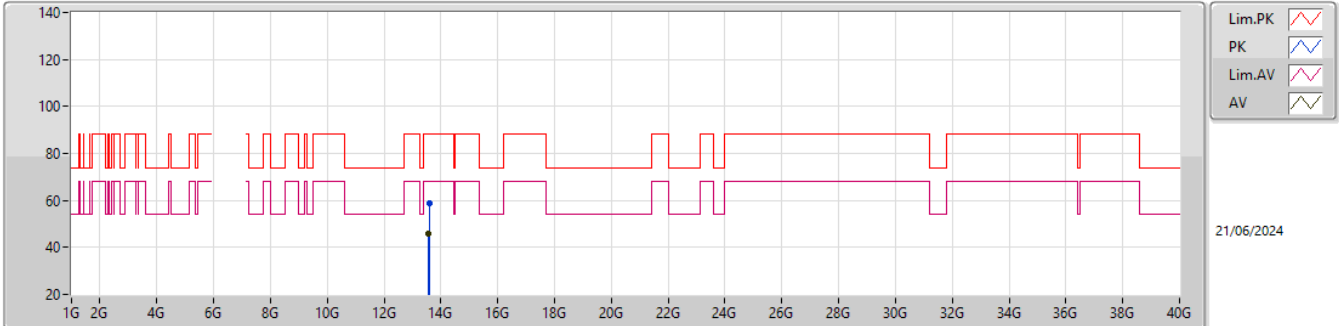


EUT\_V\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |  |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|-------|-------|--|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |  |
| PK   | 20.511G   | 47.77    | 74.00    | -26.23 | 43.62  | 1    | Horizontal | 194     | 1.90   | -       | 37.67 | 15.61 | 49.13 |  |  |  |  |
| AV   | 20.51919G | 34.76    | 54.00    | -19.24 | 30.55  | 1    | Horizontal | 194     | 1.90   | -       | 37.72 | 15.62 | 49.13 |  |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX

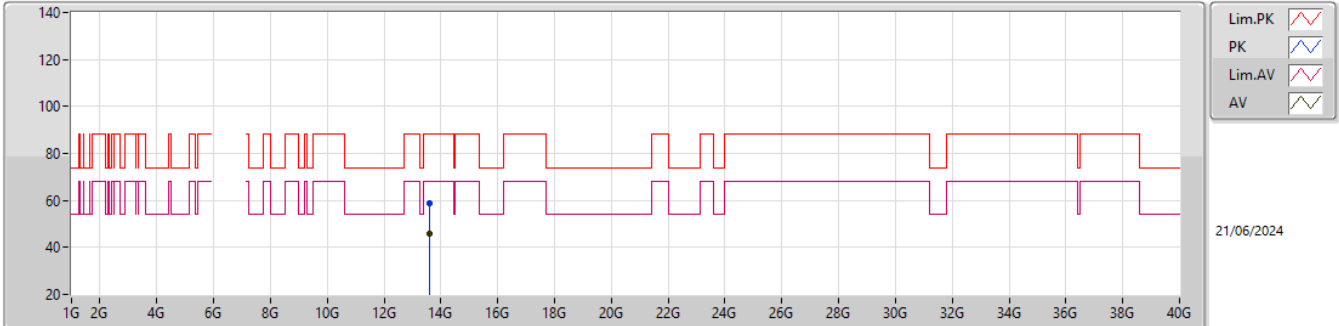


EUT\_Y\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 13.59741G | 58.89    | 88.20    | -29.31 | 38.24  | 3    | Vertical  | 4       | 2.32   | -       | 40.60 | 12.32 | 32.27 |  |  |  |
| RMS  | 13.57791G | 46.05    | 68.20    | -22.15 | 25.39  | 3    | Vertical  | 4       | 2.32   | -       | 40.60 | 12.32 | 32.26 |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX

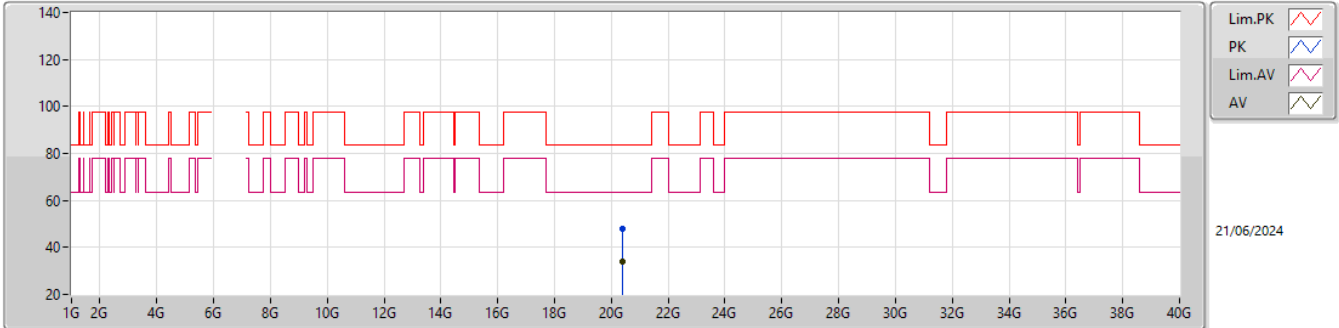


EUT\_Y\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |  |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|--|--|
| PK   | 13.60482G    | 58.76             | 88.20             | -29.44         | 38.10         | 3           | Horizontal | 28             | 2.45          | -       | 40.61      | 12.32      | 32.27      |  |  |  |
| RMS  | 13.58115G    | 46.01             | 68.20             | -22.19         | 25.35         | 3           | Horizontal | 28             | 2.45          | -       | 40.60      | 12.32      | 32.26      |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX

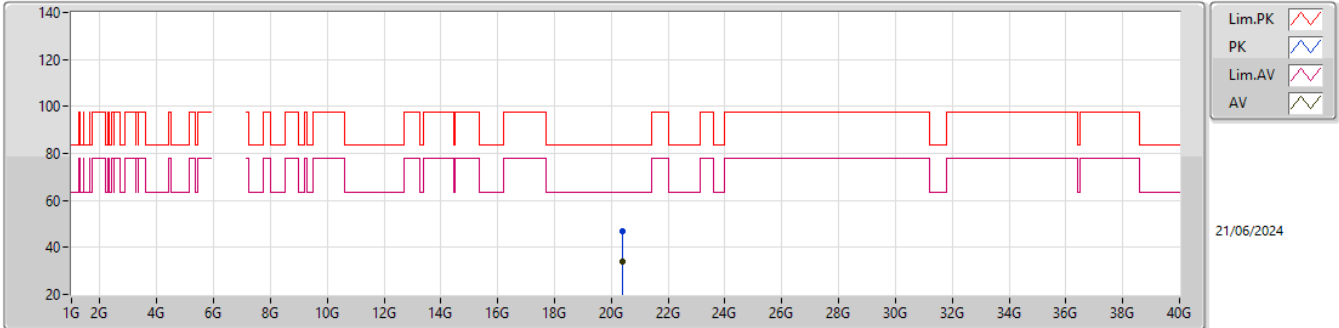


EUT\_Y\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |  |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|--|--|
| PK   | 20.38692G    | 47.68             | 74.00             | -26.32         | 43.31         | 1           | Vertical  | 71             | 2.03          | -       | 38.03      | 15.51      | 49.17      |  |  |  |
| AV   | 20.39805G    | 34.10             | 54.00             | -19.90         | 29.75         | 1           | Vertical  | 71             | 2.03          | -       | 38.00      | 15.52      | 49.17      |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX



EUT\_Y\_2TX  
Setting 15.5  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 20.37957G | 46.91    | 74.00    | -27.09 | 42.54  | 1    | Horizontal | 242     | 1.67   | -       | 38.04 | 15.50 | 49.17 |  |  |  |
| AV   | 20.38524G | 34.04    | 54.00    | -19.96 | 29.67  | 1    | Horizontal | 242     | 1.67   | -       | 38.03 | 15.51 | 49.17 |  |  |  |



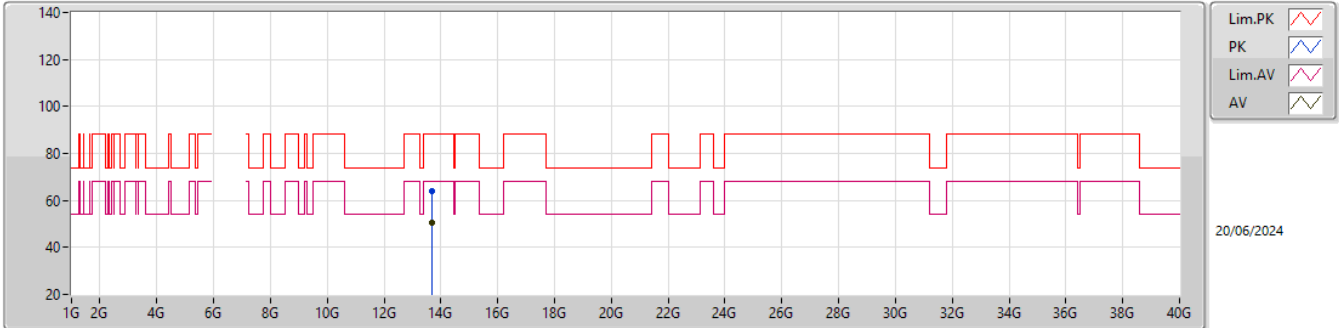
**Summary**

| Mode               | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|-----------|----------------|---------------|----------|
| 6.525-6.875GHz     | -      | -    | -            | -                 | -                 | -              | -           | -         | -              | -             | -        |
| 80_Nss1,(MCS0)_2TX | Pass   | AV   | 13.68383G    | 50.63             | 68.20             | -17.57         | 3           | Vertical  | 168            | 1.80          | -        |



6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX

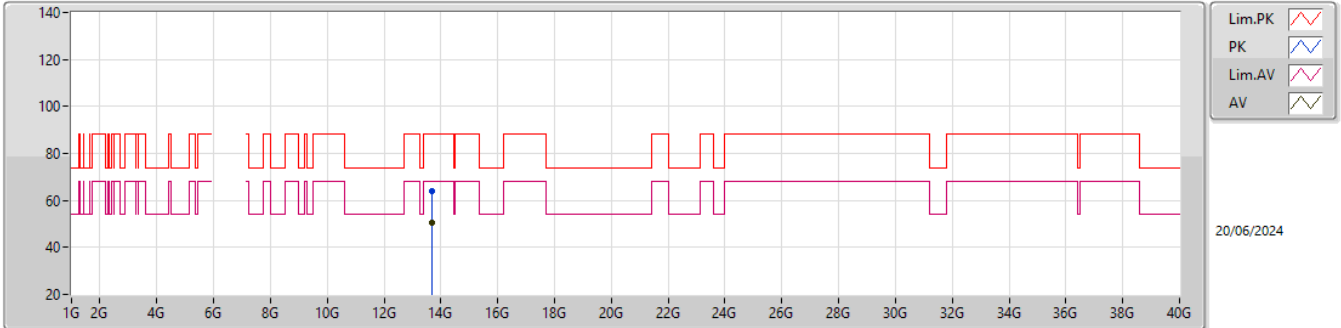


EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 13.67102G | 64.17    | 88.20    | -24.03 | 43.33  | 3    | Vertical  | 168     | 1.80   | -       | 40.78 | 12.34 | 32.28 |  |  |  |
| AV   | 13.68383G | 50.63    | 68.20    | -17.57 | 29.73  | 3    | Vertical  | 168     | 1.80   | -       | 40.84 | 12.34 | 32.28 |  |  |  |

6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX

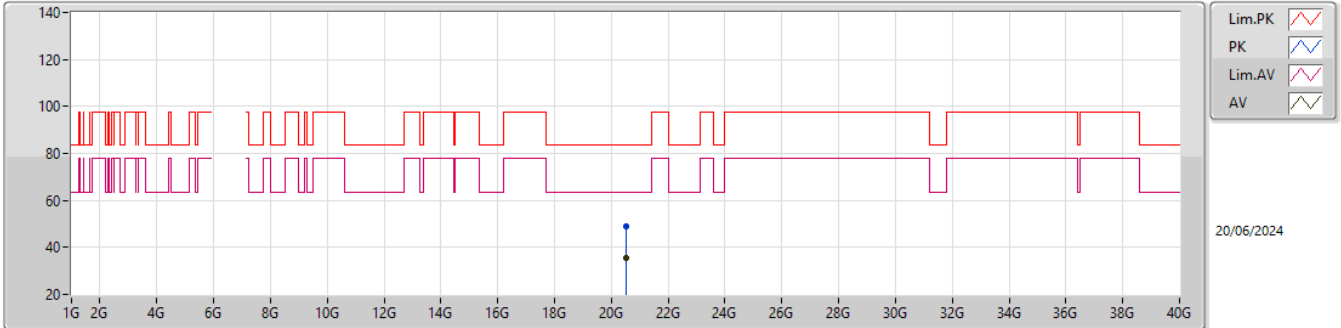


EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 13.67936G | 63.97    | 88.20    | -24.23 | 43.09  | 3    | Horizontal | 232     | 2.00   | -       | 40.82 | 12.34 | 32.28 |  |  |  |
| AV   | 13.68491G | 50.51    | 68.20    | -17.69 | 29.61  | 3    | Horizontal | 232     | 2.00   | -       | 40.84 | 12.34 | 32.28 |  |  |  |

6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX

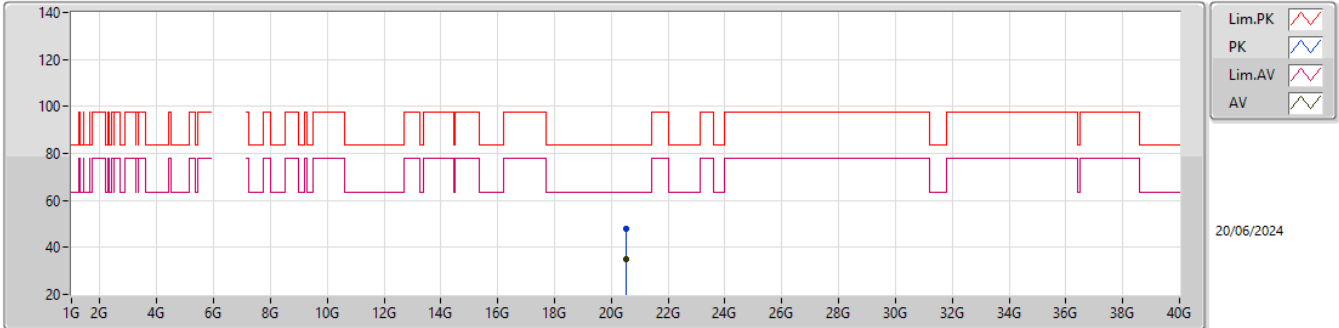


EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 20.50473G | 49.03    | 74.00    | -24.97 | 44.94  | 1    | Vertical  | 346     | 2.40   | -       | 37.63 | 15.60 | 49.14 |  |  |  |
| AV   | 20.51808G | 35.28    | 54.00    | -18.72 | 31.09  | 1    | Vertical  | 346     | 2.40   | -       | 37.71 | 15.61 | 49.13 |  |  |  |

6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

6835MHz\_TX

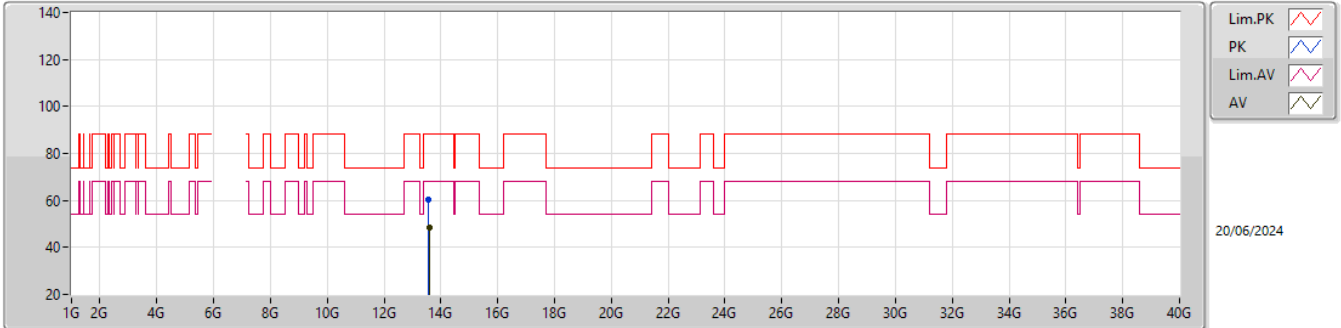


EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 20.50779G | 47.74    | 74.00    | -26.26 | 43.62  | 1    | Horizontal | 46      | 1.47   | -       | 37.65 | 15.61 | 49.14 |  |  |  |
| AV   | 20.51979G | 35.24    | 54.00    | -18.76 | 31.03  | 1    | Horizontal | 46      | 1.47   | -       | 37.72 | 15.62 | 49.13 |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX

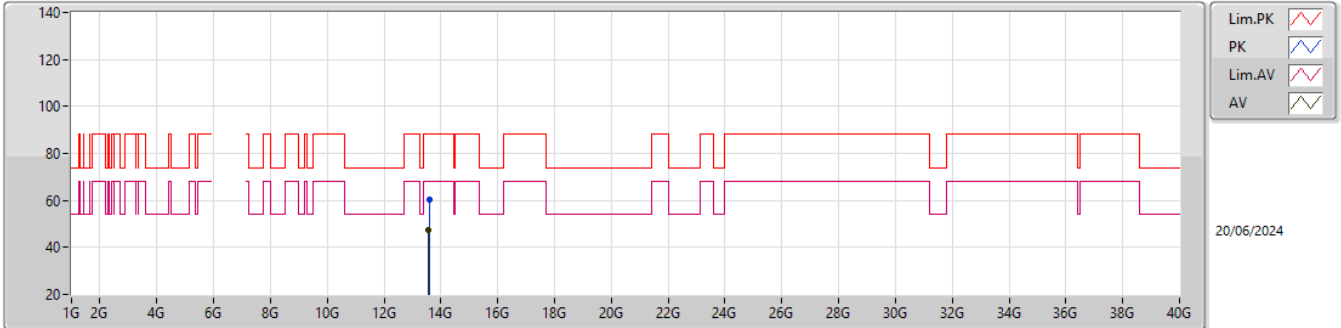


EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 13.57857G | 60.39    | 88.20    | -27.81 | 39.73  | 3    | Vertical  | 205     | 1.15   | -       | 40.60 | 12.32 | 32.26 |  |  |  |
| AV   | 13.59006G | 48.53    | 68.20    | -19.67 | 27.87  | 3    | Vertical  | 205     | 1.15   | -       | 40.60 | 12.32 | 32.26 |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX

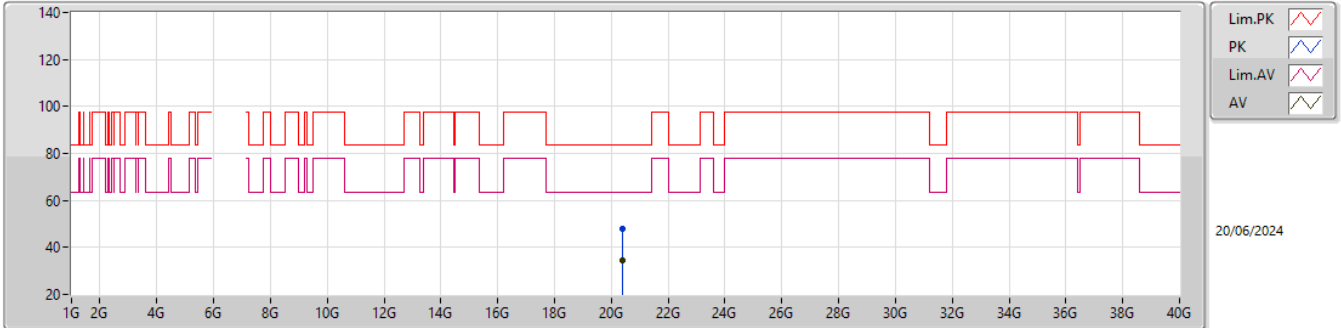


EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |  |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|--|--|
| PK   | 13.59057G    | 60.50             | 88.20             | -27.70         | 39.84         | 3           | Horizontal | 229            | 2.02          | -       | 40.60      | 12.32      | 32.26      |  |  |  |
| AV   | 13.57869G    | 47.49             | 68.20             | -20.71         | 26.83         | 3           | Horizontal | 229            | 2.02          | -       | 40.60      | 12.32      | 32.26      |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX

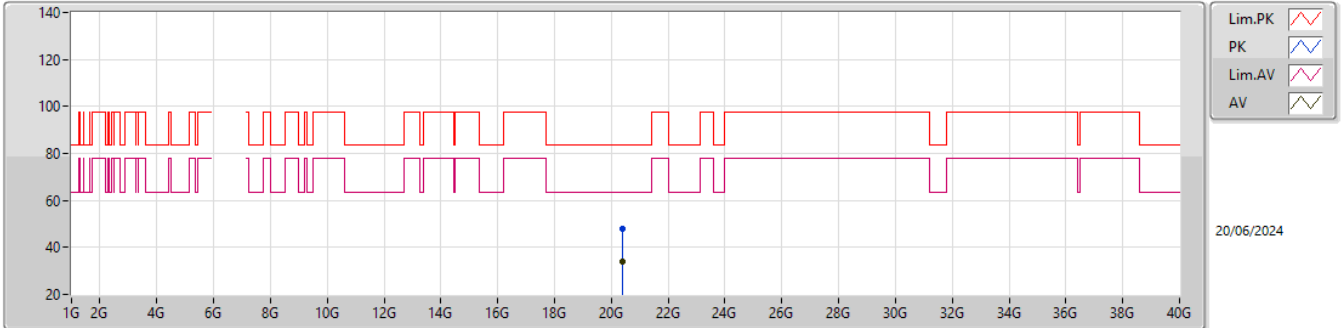


EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 20.39349G | 48.10    | 74.00    | -25.90 | 43.75  | 1    | Vertical  | 272     | 2.86   | -       | 38.01 | 15.51 | 49.17 |  |  |  |
| AV   | 20.38704G | 34.42    | 54.00    | -19.58 | 30.05  | 1    | Vertical  | 272     | 2.86   | -       | 38.03 | 15.51 | 49.17 |  |  |  |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

6795MHz\_TX



EUT\_Y\_2TX  
Setting 14  
02-E-V-1

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL    | PA    |  |  |  |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|-------|-------|--|--|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |  |  |  |
| PK   | 20.38467G | 47.81    | 74.00    | -26.19 | 43.44  | 1    | Horizontal | 52      | 1.57   | -       | 38.03 | 15.51 | 49.17 |  |  |  |
| AV   | 20.38365G | 34.22    | 54.00    | -19.78 | 29.85  | 1    | Horizontal | 52      | 1.57   | -       | 38.03 | 15.51 | 49.17 |  |  |  |



6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

MASK

6835MHz\_TX

22/06/2024

CF (Hz)  
6.835G

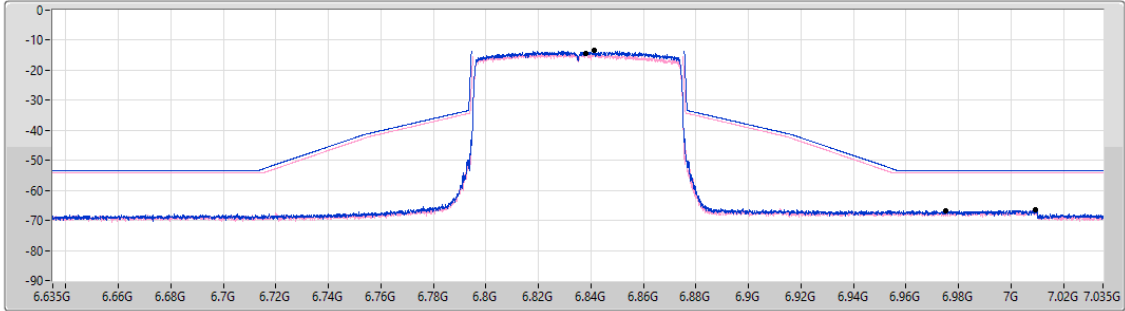
Span (Hz)  
400M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
4.01m

Detector Type  
RMS



Port 1 ☐

Port 2 ☐

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.8413G | -13.38   | 7.0091G  | -66.59     | -53.38     | -13.21     | 1    |
| 6.8379G | -14.25   | 6.9751G  | -66.66     | -54.25     | -12.41     | 2    |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

MASK

6795MHz\_TX

22/06/2024

CF (Hz)  
6.795G

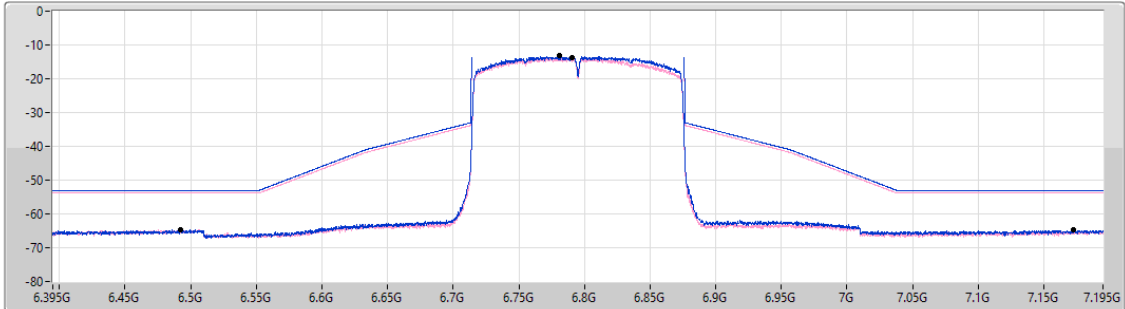
Span (Hz)  
800M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
4.01m

Detector Type  
RMS



Port 1 ☐

Port 2 ☐

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.7806G | -13.04   | 7.1726G  | -64.71     | -53.04     | -11.67     | 1    |
| 6.7902G | -13.84   | 6.4922G  | -64.71     | -53.84     | -10.87     | 2    |

6.525-6.875GHz\_80\_Nss1,(MCS0)\_2TX

MASK

6835MHz\_TX

22/06/2024

CF (Hz)  
6.835G

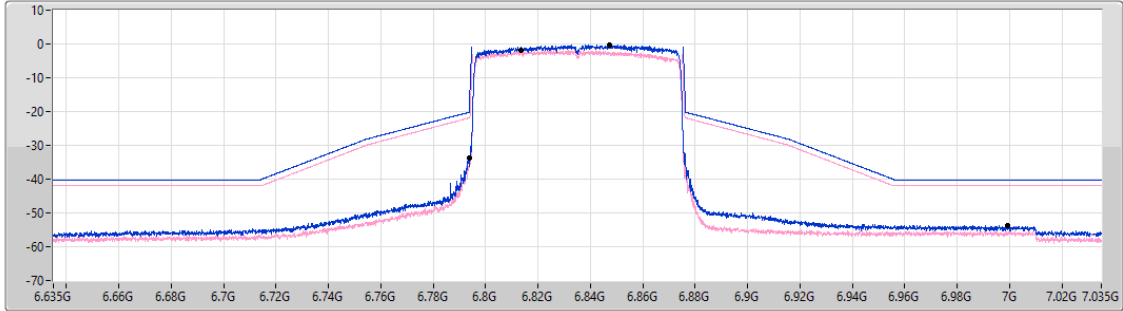
Span (Hz)  
400M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
4.01m

Detector Type  
RMS



| Ref(Hz)  | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.8474G  | -0.22    | 6.9994G  | -53.72     | -40.22     | -13.50     | 1    |
| 6.81351G | -1.83    | 6.7937G  | -33.73     | -21.88     | -11.85     | 2    |

6.525-6.875GHz\_160\_Nss1,(MCS0)\_2TX

MASK

6795MHz\_TX

22/06/2024

CF (Hz)  
6.795G

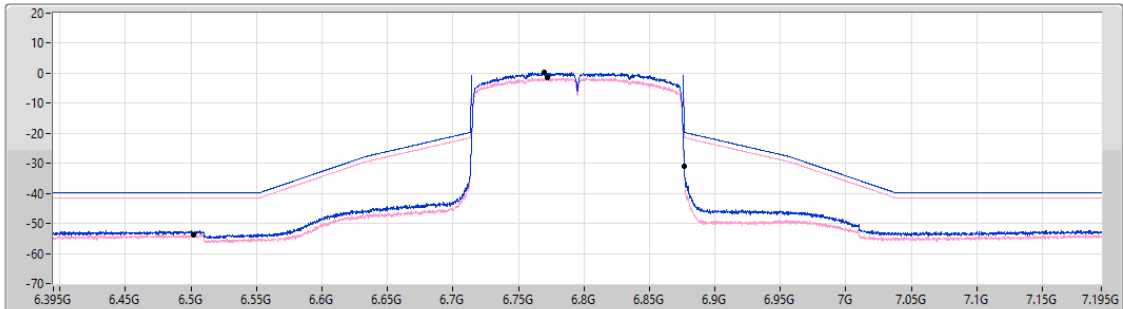
Span (Hz)  
800M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
4.01m

Detector Type  
RMS



| Ref(Hz)  | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.76941G | 0.29     | 6.8768G  | -30.83     | -19.72     | -11.11     | 1    |
| 6.77241G | -1.50    | 6.5022G  | -53.67     | -41.50     | -12.17     | 2    |