

# TEST REPORT

|                                        |                                                                                                                                                                         |                                                                                       |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| FCC ID. .... :                         | 2BPFF-Z01                                                                                                                                                               |                                                                                       |
| Test Report No..... :                  | TCT250617E005                                                                                                                                                           |                                                                                       |
| Date of issue..... :                   | Jun. 25, 2025                                                                                                                                                           |                                                                                       |
| Testing laboratory .....               | SHENZHEN TONGCE TESTING LAB                                                                                                                                             |                                                                                       |
| Testing location/ address:             | 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China                    |                                                                                       |
| Applicant's name..... :                | Shenzhen Xinwang Optoelectronic Display Technology Co., Ltd.                                                                                                            |                                                                                       |
| Address..... :                         | Room 502, Jintian Building, Kaitian Science Park, Pinghu Community, Pinghu Subdistrict, Longgang District, Shenzhen City, China                                         |                                                                                       |
| Manufacturer's name ... :              | Shenzhen Xinwang Optoelectronic Display Technology Co., Ltd.                                                                                                            |                                                                                       |
| Address..... :                         | Room 502, Jintian Building, Kaitian Science Park, Pinghu Community, Pinghu Subdistrict, Longgang District, Shenzhen City, China                                         |                                                                                       |
| Standard(s) .....                      | FCC CFR Title 47 Part 15 Subpart E Section 15.407<br>KDB 662911 D01 Multiple Transmitter Output v02r01<br>KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 |                                                                                       |
| Product Name..... :                    | Car Video Box                                                                                                                                                           |                                                                                       |
| Trade Mark .....                       | N/A                                                                                                                                                                     |                                                                                       |
| Model/Type reference..... :            | Z01, Z02, Z03, Z04, Z05, Z06, Z07, Z08, Z09, Z10                                                                                                                        |                                                                                       |
| Rating(s)..... :                       | DC 5V                                                                                                                                                                   |                                                                                       |
| Date of receipt of test item .....     | Jun. 17, 2025                                                                                                                                                           |                                                                                       |
| Date (s) of performance of test..... : | Jun. 17, 2025 ~ Jun. 25, 2025                                                                                                                                           |                                                                                       |
| Tested by (+signature) ... :           | Rleo LIU                                                                                                                                                                |  |
| Check by (+signature).... :            | Beryl ZHAO                                                                                                                                                              |  |
| Approved by (+signature):              | Tomsin                                                                                                                                                                  |  |

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## 1. General Product Information

### 1.1. EUT description

|                             |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Product Name.....:          | Car Video Box                                                            |
| Model/Type reference.....:  | Z01                                                                      |
| Sample Number.....:         | TCT250617E004-0101                                                       |
| Operation Frequency .....   | Band 3: 5745 MHz~5825 MHz                                                |
| Channel Bandwidth.....:     | 802.11a: 20MHz<br>802.11n: 20MHz, 40MHz<br>802.11ac: 20MHz, 40MHz, 80MHz |
| Modulation Technology ..... | Orthogonal Frequency Division Multiplexing (OFDM)                        |
| Modulation Type.....:       | 256QAM, 64QAM, 16QAM, BPSK, QPSK                                         |
| Antenna Type.....:          | PCB Antenna                                                              |
| Antenna Gain.....:          | 2.67dBi                                                                  |
| Rating(s).....:             | DC 5V                                                                    |

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

| No.          | Model No.                                   | Tested with                         |
|--------------|---------------------------------------------|-------------------------------------|
| 1            | Z01                                         | <input checked="" type="checkbox"/> |
| Other models | Z02, Z03, Z04, Z05, Z06, Z07, Z08, Z09, Z10 | <input type="checkbox"/>            |

Note: Z01 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, different on the model names. So the test data of Z01 can represent the remaining models.

### 1.3. Test Frequency

#### Band 3

| 20MHz   |           | 40MHz   |           | 80MHz   |           |
|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 149     | 5745      | 151     | 5755      | 155     | 5775      |
| 157     | 5785      | 159     | 5795      |         |           |
| 165     | 5825      |         |           |         |           |

#### Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

## 2. Test Result Summary

| Requirement                                      | CFR 47 Section | Result |
|--------------------------------------------------|----------------|--------|
| Antenna requirement                              | §15.203        | PASS   |
| AC Power Line Conducted Emission                 | §15.207        | PASS   |
| Maximum Conducted Output Power                   | §15.407(a)     | PASS   |
| 6dB Emission Bandwidth                           | §15.407(a)     | PASS   |
| 26dB Emission Bandwidth & 99% Occupied Bandwidth | §15.407(a)     | PASS   |
| Power Spectral Density                           | §15.407(a)     | PASS   |
| Restricted Bands around fundamental frequency    | §15.407(b)     | PASS   |
| Radiated Emission                                | §15.407(b)     | PASS   |
| Frequency Stability                              | §15.407(g)     | PASS   |

**Note:**

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.
5. For the band 5.15-5.25GHz, EUT meet the requirements of 15.407(a)(ii).

### 3. General Information

#### 3.1. Test environment and mode

| Operating Environment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Temperature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25.0 °C                                                   |
| Humidity:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 56 % RH                                                   |
| Atmospheric Pressure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1010 mbar                                                 |
| Test Software:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| Software Information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Serial port tool                                          |
| Power Level:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40                                                        |
| Test Mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                           |
| Engineer mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Keep the EUT in continuous transmitting by select channel |
| <p>The sample was placed 0.8m/1.5m for blow/above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p> |                                                           |

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

**Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.**

| Mode            | Data rate |
|-----------------|-----------|
| 802.11a         | 6 Mbps    |
| 802.11n(HT20)   | 6.5 Mbps  |
| 802.11n(HT40)   | 13.5 Mbps |
| 802.11ac(VHT20) | 6.5 Mbps  |
| 802.11ac(VHT40) | 13.5 Mbps |
| 802.11ac(VHT80) | 29.3 Mbps |

### 3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment         | Model No.  | Serial No.                   | FCC ID | Trade Name |
|-------------------|------------|------------------------------|--------|------------|
| Notebook Computer | G3 3500    | 00342-36088-99832-AAOEM      | /      | DELL       |
| Power Supply      | HA130PM190 | CN-0CY0JM-CH200-0B6-7405-A01 | /      | DELL       |

**Note:**

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

## 4. Facilities and Accreditations

### 4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- A2LA-No.: 4320.01

SHENZHEN TONGCE TESTING LAB

The testing lab has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

### 4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

## 5. Measurement Uncertainty

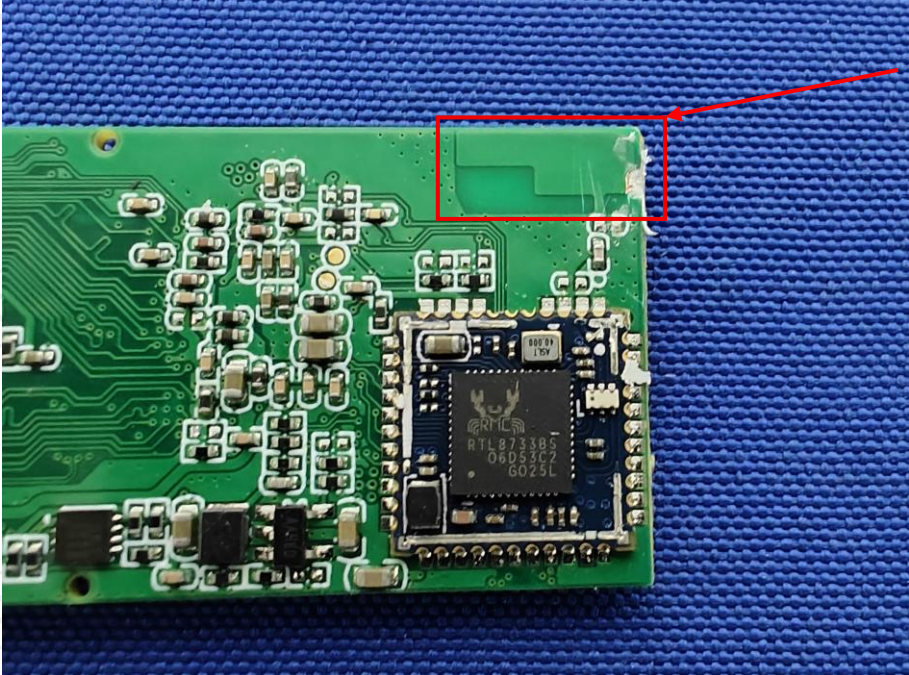
The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

| No. | Item                                    | MU            |
|-----|-----------------------------------------|---------------|
| 1   | Conducted Emission                      | $\pm 3.10$ dB |
| 2   | RF power, conducted                     | $\pm 0.12$ dB |
| 3   | Spurious emissions, conducted           | $\pm 0.11$ dB |
| 4   | All emissions, radiated(<1 GHz)         | $\pm 4.56$ dB |
| 5   | All emissions, radiated(1 GHz - 18 GHz) | $\pm 4.22$ dB |
| 6   | All emissions, radiated(18 GHz- 40 GHz) | $\pm 4.36$ dB |



## 6. Test Results and Measurement Data

### 6.1. Antenna requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FCC Part15 C Section 15.203 /247(c) |
| <p>15.203 requirement:<br/>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> |                                     |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |
| <p>The EUT antenna is PCB antenna which permanently attached, and the maximum gain of the antenna is 2.67dBi.</p>                                                                                                                                                                                                                                                                                                                                                                 |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                     |



## 6.2. Conducted Emission

### 6.2.1. Test Specification

| Test Requirement:        | FCC Part15 C Section 15.207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|--|------------|---------|----------|-----------|-----------|-------|----|----|------|----|----|
| Test Method:             | ANSI C63.10:2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Frequency Range:         | 150 kHz to 30 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Receiver setup:          | RBW=9 kHz, VBW=30 kHz, Sweep time=auto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Limits:                  | <table><tr><th rowspan="2">Frequency range<br/>(MHz)</th><th colspan="2">Limit (dBuV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Frequency range<br>(MHz) | Limit (dBuV) |  | Quasi-peak | Average | 0.15-0.5 | 66 to 56* | 56 to 46* | 0.5-5 | 56 | 46 | 5-30 | 60 | 50 |
| Frequency range<br>(MHz) | Limit (dBuV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
|                          | Quasi-peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Average                  |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.15-0.5                 | 66 to 56*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 56 to 46*                |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.5-5                    | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 46                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 5-30                     | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Setup:              | <div><p>Reference Plane</p><p>40cm</p><p>80cm</p><p>EMI Receiver</p><p>Filter</p><p>AC power</p><p>Remark:<br/>E.U.T: Equipment Under Test<br/>LISN: Line Impedance Stabilization Network<br/>Test table height=0.8m</p></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Mode:               | Transmitting Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Procedure:          | <ol style="list-style-type: none"><li>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li><li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li><li>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2020 on conducted measurement.</li></ol> |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Result:             | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |              |  |            |         |          |           |           |       |    |    |      |    |    |

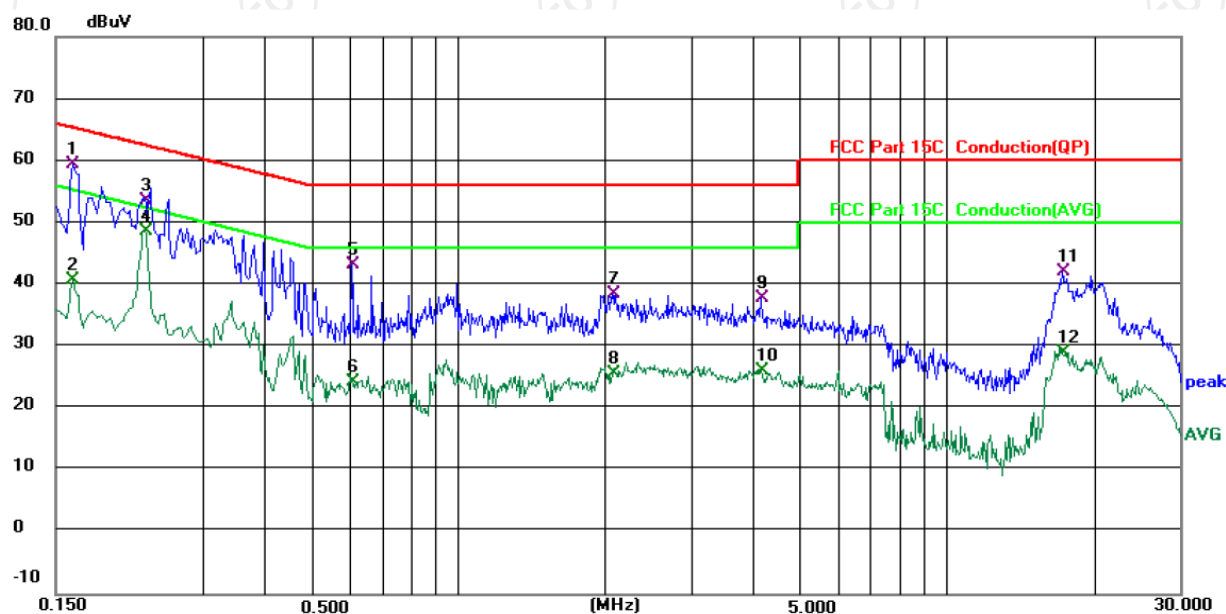
## 6.2.2. Test Instruments

| Conducted Emission Shielding Room Test Site (843) |              |           |               |               |               |
|---------------------------------------------------|--------------|-----------|---------------|---------------|---------------|
| Equipment                                         | Manufacturer | Model     | Serial Number | Date of Cal.  | Due Date      |
| EMI Test Receiver                                 | R&S          | ESCI3     | 100898        | Jun. 27, 2024 | Jun. 26, 2025 |
| LISN                                              | Schwarzbeck  | NSLK 8126 | 8126453       | Jan. 21, 2025 | Jan. 20, 2026 |
| Attenuator                                        | N/A          | 10dB      | 164080        | Jun. 27, 2024 | Jun. 26, 2025 |
| Line-5                                            | TCT          | CE-05     | /             | Jun. 27, 2024 | Jun. 26, 2025 |
| EMI Test Software                                 | EZ EMC       | EMEC-3A1  | 1.1.4.2       | /             | /             |

## 6.2.3. Test data

Please refer to following diagram for individual

### Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: **L1**

Temperature: 24.8 (°C)

Humidity: 52 %

Limit: FCC Part 15C Conduction(QP)

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.1620       | 49.40                    | 9.95                    | 59.35                    | 65.36         | -6.01      | QP       |         |
| 2   |     | 0.1620       | 30.86                    | 9.95                    | 40.81                    | 55.36         | -14.55     | AVG      |         |
| 3   |     | 0.2280       | 43.64                    | 9.93                    | 53.57                    | 62.52         | -8.95      | QP       |         |
| 4   | *   | 0.2280       | 38.64                    | 9.93                    | 48.57                    | 52.52         | -3.95      | AVG      |         |
| 5   |     | 0.6060       | 33.29                    | 9.90                    | 43.19                    | 56.00         | -12.81     | QP       |         |
| 6   |     | 0.6060       | 14.31                    | 9.90                    | 24.21                    | 46.00         | -21.79     | AVG      |         |
| 7   |     | 2.0740       | 28.52                    | 10.02                   | 38.54                    | 56.00         | -17.46     | QP       |         |
| 8   |     | 2.0740       | 15.72                    | 10.02                   | 25.74                    | 46.00         | -20.26     | AVG      |         |
| 9   |     | 4.1620       | 27.61                    | 10.12                   | 37.73                    | 56.00         | -18.27     | QP       |         |
| 10  |     | 4.1620       | 15.99                    | 10.12                   | 26.11                    | 46.00         | -19.89     | AVG      |         |
| 11  |     | 17.2380      | 31.52                    | 10.52                   | 42.04                    | 60.00         | -17.96     | QP       |         |
| 12  |     | 17.2380      | 18.44                    | 10.52                   | 28.96                    | 50.00         | -21.04     | AVG      |         |

#### Note:

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

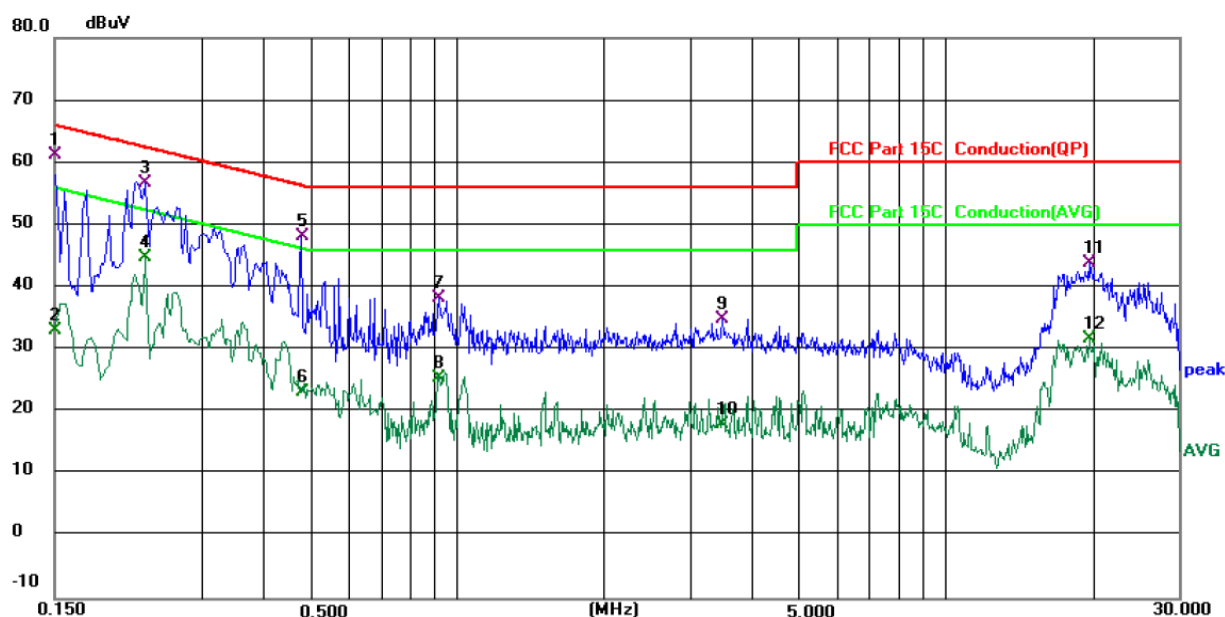
Margin (dB) = Measurement (dBuV) – Limits (dBuV)

Q.P. =Quasi-Peak

AVG =average

\* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

## Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: **N**

Temperature: 24.8 (°C)

Humidity: 52 %

Limit: FCC Part 15C Conduction(QP)

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   | *   | 0.1500       | 51.28                    | 9.94                    | 61.22                    | 66.00         | -4.78      | QP       |         |
| 2   |     | 0.1500       | 23.20                    | 9.94                    | 33.14                    | 56.00         | -22.86     | AVG      |         |
| 3   |     | 0.2300       | 46.79                    | 9.93                    | 56.72                    | 62.45         | -5.73      | QP       |         |
| 4   |     | 0.2300       | 34.84                    | 9.93                    | 44.77                    | 52.45         | -7.68      | AVG      |         |
| 5   |     | 0.4779       | 38.14                    | 9.93                    | 48.07                    | 56.38         | -8.31      | QP       |         |
| 6   |     | 0.4779       | 13.21                    | 9.93                    | 23.14                    | 46.38         | -23.24     | AVG      |         |
| 7   |     | 0.9220       | 28.26                    | 9.96                    | 38.22                    | 56.00         | -17.78     | QP       |         |
| 8   |     | 0.9220       | 15.58                    | 9.96                    | 25.54                    | 46.00         | -20.46     | AVG      |         |
| 9   |     | 3.4940       | 24.90                    | 10.08                   | 34.98                    | 56.00         | -21.02     | QP       |         |
| 10  |     | 3.4940       | 8.03                     | 10.08                   | 18.11                    | 46.00         | -27.89     | AVG      |         |
| 11  |     | 19.6580      | 33.26                    | 10.65                   | 43.91                    | 60.00         | -16.09     | QP       |         |
| 12  |     | 19.6580      | 21.17                    | 10.65                   | 31.82                    | 50.00         | -18.18     | AVG      |         |

### Note:

1. Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Measurement (dBuV) – Limits (dBuV)

Q.P. =Quasi-Peak

AVG =average

\* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80)) and the worst case Mode (Lowest and 802.11a) was submitted only.

## 6.3. Maximum Conducted Output Power

### 6.3.1. Test Specification

| <b>Test Requirement:</b> | FCC Part15 E Section 15.407(a)& Part 2 J Section 2.1046                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------|-------------|--------------------------------|-------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-------------|-----------|
| <b>Test Method:</b>      | KDB662911 D01 Multiple Transmitter Output v02r01<br>KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E                                                                                                                                                                                                                                                                                                                                                                                                  |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| <b>Limit:</b>            | <table border="1"> <thead> <tr> <th>Frequency Band (MHz)</th><th>Limit</th></tr> </thead> <tbody> <tr> <td>5180 - 5240</td><td>24dBm(250mW) for client device</td></tr> <tr> <td>5260 - 5320</td><td>24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz</td></tr> <tr> <td>5470 - 5725</td><td>24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz</td></tr> <tr> <td>5745 - 5825</td><td>30dBm(1W)</td></tr> </tbody> </table>                               | Frequency Band (MHz) | Limit | 5180 - 5240 | 24dBm(250mW) for client device | 5260 - 5320 | 24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz | 5470 - 5725 | 24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz | 5745 - 5825 | 30dBm(1W) |
| Frequency Band (MHz)     | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| 5180 - 5240              | 24dBm(250mW) for client device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| 5260 - 5320              | 24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| 5470 - 5725              | 24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| 5745 - 5825              | 30dBm(1W)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| <b>Test Setup:</b>       |  <p>Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                                                                                                                                                     |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| <b>Test Mode:</b>        | Transmitting mode with modulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| <b>Test Procedure:</b>   | <ol style="list-style-type: none"> <li>1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a</li> <li>2. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.</li> <li>3. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>5. Measure the conducted output power and record the results in the test report.</li> </ol> |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |
| <b>Remark:</b>           | <p>Conducted output power= measurement power +10log(1/x) X is duty cycle=1, so 10log(1/1)=0</p> <p>Conducted output power= measurement power</p>                                                                                                                                                                                                                                                                                                                                                                           |                      |       |             |                                |             |                                                                                   |             |                                                                                   |             |           |

### 6.3.2. Test Instruments

| Equipment          | Manufacturer | Model      | Serial Number | Date of Cal.  | Due Date      |
|--------------------|--------------|------------|---------------|---------------|---------------|
| Spectrum Analyzer  | Agilent      | N9020A     | MY49100619    | Jun. 27, 2024 | Jun. 26, 2025 |
| Power detector box | MWRFTest     | MW100-RFCB | MW210531TCT   | Jan. 21, 2025 | Jan. 20, 2026 |



## 6.4. 6dB Emission Bandwidth

### 6.4.1. Test Specification

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Requirement:</b> | FCC CFR47 Part 15 Section 15.407(e)& Part 2 J Section 2.1049                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Test Method:</b>      | KDB662911 D01 Multiple Transmitter Output v02r01<br>KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Limit:</b>            | >500kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Test Setup:</b>       |  <p style="text-align: center;">Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                                                                                                                        |
| <b>Test Mode:</b>        | Transmitting mode with modulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Test Procedure:</b>   | <ol style="list-style-type: none"> <li>1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C</li> <li>2. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.</li> <li>4. Measure and record the results in the test report.</li> </ol> |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### 6.4.2. Test Instruments

| Equipment          | Manufacturer | Model No.  | Serial Number | Date of Cal.  | Due Date      |
|--------------------|--------------|------------|---------------|---------------|---------------|
| Spectrum Analyzer  | Agilent      | N9020A     | MY49100619    | Jun. 27, 2024 | Jun. 26, 2025 |
| Power detector box | MWRFtest     | MW100-RFCB | MW210531TCT   | Jan. 21, 2025 | Jan. 20, 2026 |

## 6.5. 26dB Bandwidth and 99% Occupied Bandwidth

### 6.5.1. Test Specification

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Requirement:</b> | 47 CFR Part 15C Section 15.407 (a)& Part 2 J Section 2.1049                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Test Method:</b>      | KDB662911 D01 Multiple Transmitter Output v02r01<br>KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D                                                                                                                                                                                                                                                                                                                                                          |
| <b>Limit:</b>            | No restriction limits                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Test Setup:</b>       |  <p style="text-align: center;">Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                                                                                   |
| <b>Test Mode:</b>        | Transmitting mode with modulation                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Test Procedure:</b>   | <ol style="list-style-type: none"> <li>1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D</li> <li>2. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 1% to 5% of the OBW. Set the Video bandwidth (VBW) = 3 *RBW. In order to make an accurate measurement.</li> <li>4. Measure and record the results in the test report.</li> </ol> |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### 6.5.2. Test Instruments

| Equipment          | Manufacturer | Model No.  | Serial Number | Date of Cal.  | Due Date      |
|--------------------|--------------|------------|---------------|---------------|---------------|
| Spectrum Analyzer  | Agilent      | N9020A     | MY49100619    | Jun. 27, 2024 | Jun. 26, 2025 |
| Power detector box | MWRFTest     | MW100-RFCB | MW210531TCT   | Jan. 21, 2025 | Jan. 20, 2026 |

## 6.6. Power Spectral Density

### 6.6.1. Test Specification

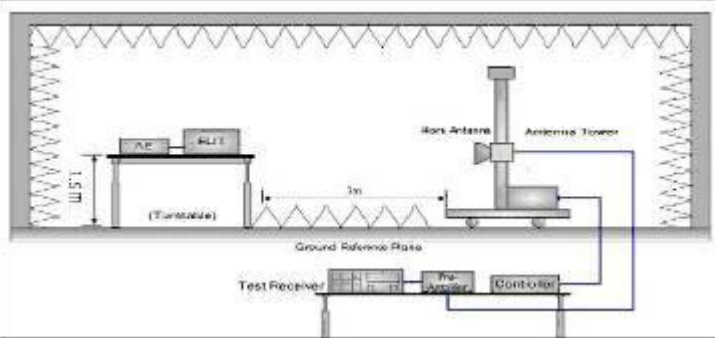
|                          |                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Requirement:</b> | FCC Part15 E Section 15.407 (a)                                                                                                                                                                                                                                                                                                                                                         |
| <b>Test Method:</b>      | KDB662911 D01 Multiple Transmitter Output v02r01<br>KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F                                                                                                                                                                                                                                                               |
| <b>Limit:</b>            | ≤11.00dBm/MHz for Band 1 5150MHz-5250MHz(client device)<br>≤11.00dBm/MHz for Band 2A&2C 5250-5350&5470-5725<br>≤30.00dBm/500KHz for Band 3 5725MHz-5850MHz                                                                                                                                                                                                                              |
| <b>Test Setup:</b>       |  <p>Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                    |
| <b>Test Mode:</b>        | Transmitting mode with modulation                                                                                                                                                                                                                                                                                                                                                       |
| <b>Test Procedure:</b>   | <ol style="list-style-type: none"> <li>1. Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.</li> <li>1. Set RBW = 510 kHz/1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS.</li> <li>2. Allow the sweeps to continue until the trace stabilizes.</li> <li>3. Use the peak marker function to determine the maximum amplitude level.</li> </ol> |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                    |

### 6.6.2. Test Instruments

| Equipment          | Manufacturer | Model No.  | Serial Number | Date of Cal.  | Due Date      |
|--------------------|--------------|------------|---------------|---------------|---------------|
| Spectrum Analyzer  | Agilent      | N9020A     | MY49100619    | Jun. 27, 2024 | Jun. 26, 2025 |
| Power detector box | MWRFtest     | MW100-RFCB | MW210531TCT   | Jan. 21, 2025 | Jan. 20, 2026 |

## 6.7. Band edge

### 6.7.1. Test Specification

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                 |                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
| Test Requirement:   | FCC CFR47 Part 15E Section 15.407                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |                 |
| Test Method:        | ANSI C63.10 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                 |                 |
| Limit:              | In un-restricted band:<br>For Band 1&2A&2C: -27dBm/MHz<br>For Band 3:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                 |                 |
|                     | Frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Limit (dBm/MHz) | Frequency (MHz) | Limit (dBm/MHz) |
|                     | < 5650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -27             | 5850~5855       | 27~15.6         |
|                     | 650~5700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -27~10          | 5855~5875       | 15.6~10         |
|                     | 5700~5720                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10~15.6         | 5875~5925       | 10~-27          |
|                     | 5720~5725                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15.6~27         | > 5925          | -27             |
|                     | E[dBμV/m] = EIRP[dBm] + 95.2 @3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                 |                 |
| In restricted band: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                 |                 |
| Detector            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Limit@3m        |                 |                 |
| Peak                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 74dBμV/m        |                 |                 |
| AVG                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 54dBμV/m        |                 |                 |
| Test Setup:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                 |                 |
| Test Mode:          | Transmitting mode with modulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |                 |
| Test Procedure:     | <p>1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>5. The test-receiver system was set to Peak Detect</p> |                 |                 |                 |

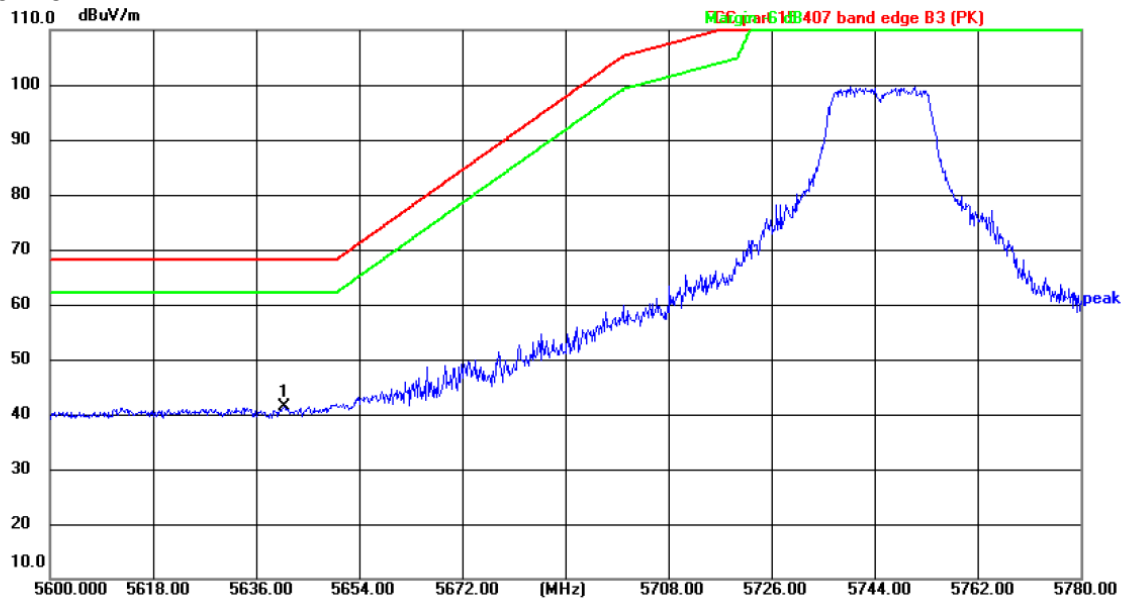
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <p>Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet.</p> |
| <b>Test Result:</b> | PASS                                                                                                                                                                                                                                                                                                                                                                                                                         |

## 6.7.2. Test Instruments

| Radiated Emission Test Site (966) |              |               |                |               |               |
|-----------------------------------|--------------|---------------|----------------|---------------|---------------|
| Equipment                         | Manufacturer | Model         | Serial Number  | Date of Cal.  | Due Date      |
| EMI Test Receiver                 | R&S          | ESCI7         | 100529         | Jan. 21, 2025 | Jan. 20, 2026 |
| Spectrum Analyzer                 | R&S          | FSQ40         | 200061         | Jun. 27, 2024 | Jun. 26, 2025 |
| Pre-amplifier                     | SKET         | LNPA_0118G-45 | SK2021012102   | Jan. 21, 2025 | Jan. 20, 2026 |
| Pre-amplifier                     | SKET         | LNPA_1840G-50 | SK202109203500 | Jan. 21, 2025 | Jan. 20, 2026 |
| Pre-amplifier                     | HP           | 8447D         | 2727A05017     | Jun. 27, 2024 | Jun. 26, 2025 |
| Loop antenna                      | Schwarzbeck  | FMZB1519B     | 00191          | Jun. 27, 2024 | Jun. 26, 2025 |
| Broadband Antenna                 | Schwarzbeck  | VULB9163      | 340            | Jun. 29, 2024 | Jun. 28, 2025 |
| Horn Antenna                      | Schwarzbeck  | BBHA 9120D    | 631            | Jun. 29, 2024 | Jun. 28, 2025 |
| Horn Antenna                      | Schwarzbeck  | BBHA 9170     | 00956          | Jan. 23, 2025 | Jan. 22, 2026 |
| Coaxial cable                     | SKET         | RE-03-D       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-03-M       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-03-L       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-04-D       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-04-M       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-04-L       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Antenna Mast                      | Keleto       | RE-AM         | /              | /             | /             |
| EMI Test Software                 | EZ EMC       | FA-03A2 RE+   | 1.1.4.2        | /             | /             |

## 6.7.3. Test Data

### AC20-5745



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

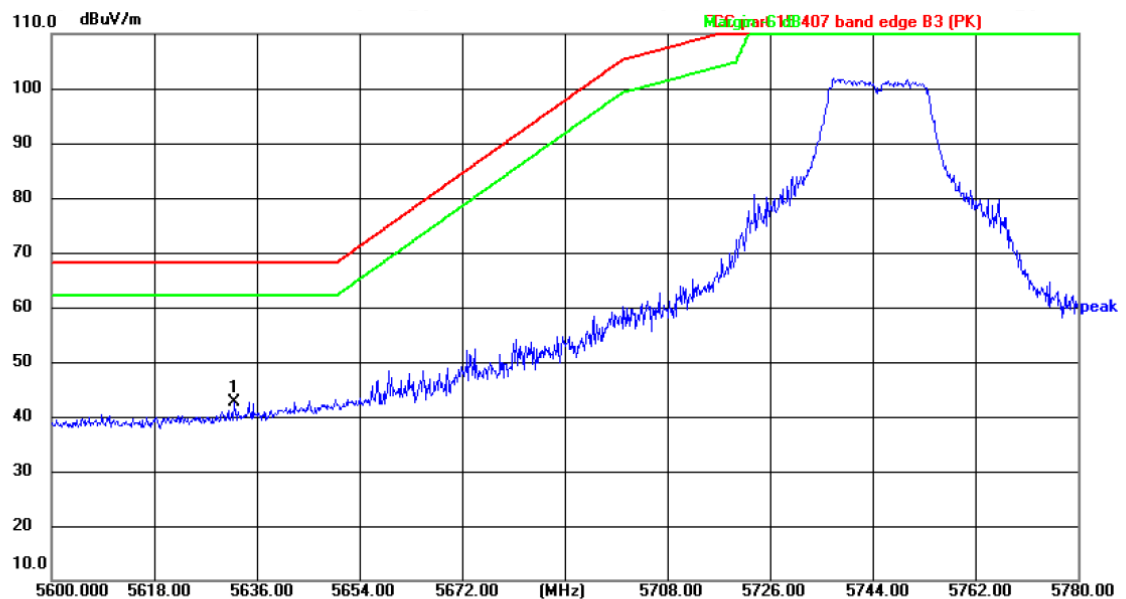
Temperature: 24.1(°C)

Humidity: 43 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5640.860        | 48.89          | -7.40         | 41.49          | 68.20          | -26.71      | peak     | P   |        |



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 24.1(°C)

Humidity: 43 %

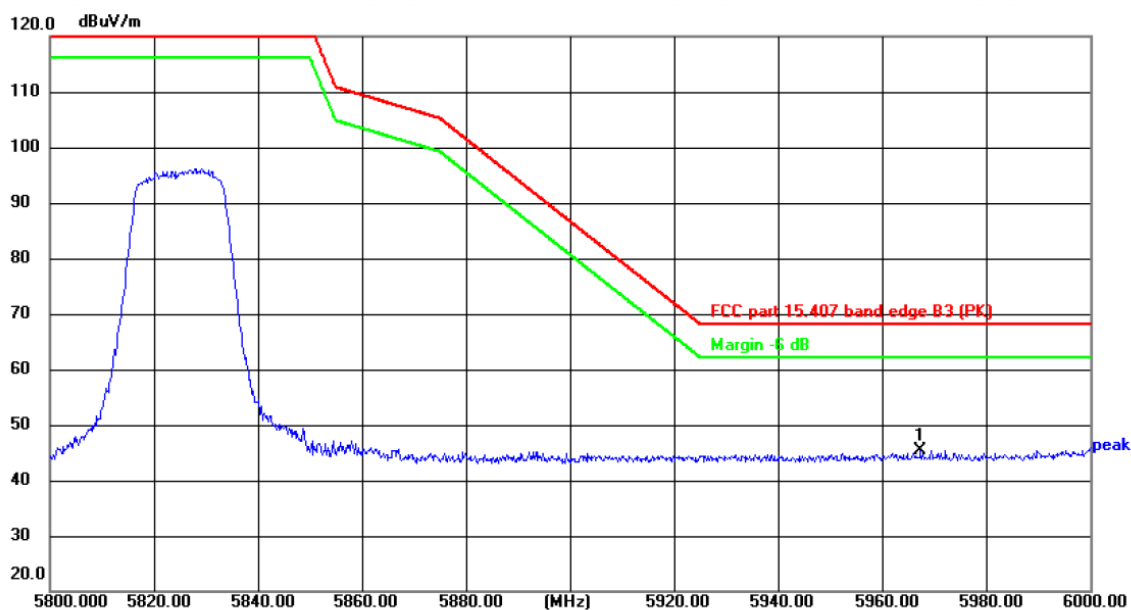
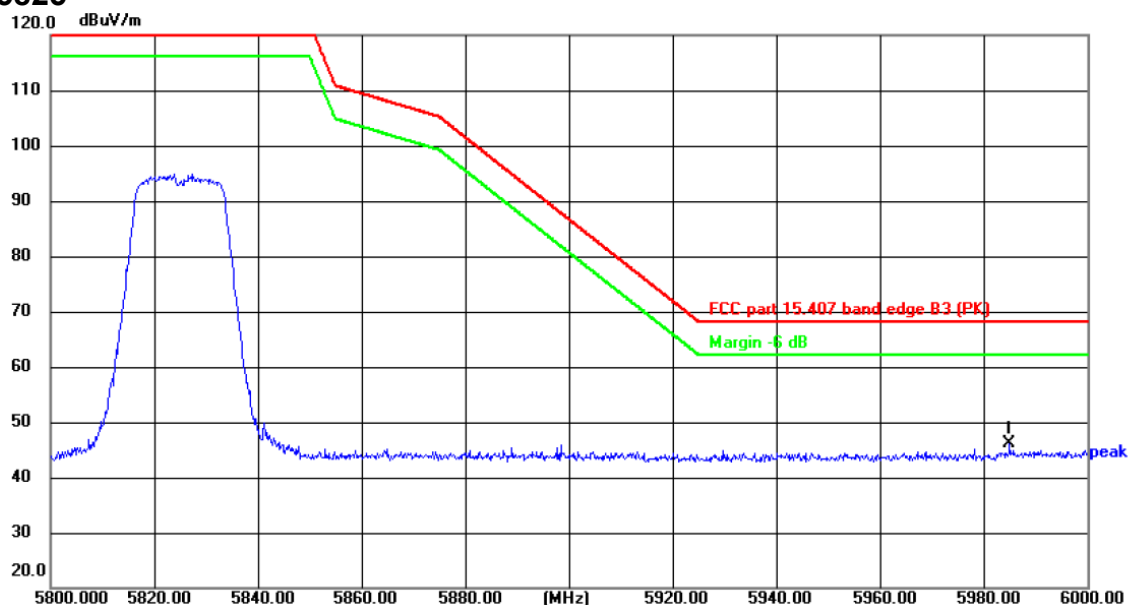
Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5632.040        | 50.24          | -7.53         | 42.71          | 68.20          | -25.49      | peak     | P   |        |



## AC20-5825



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 22.9(°C)

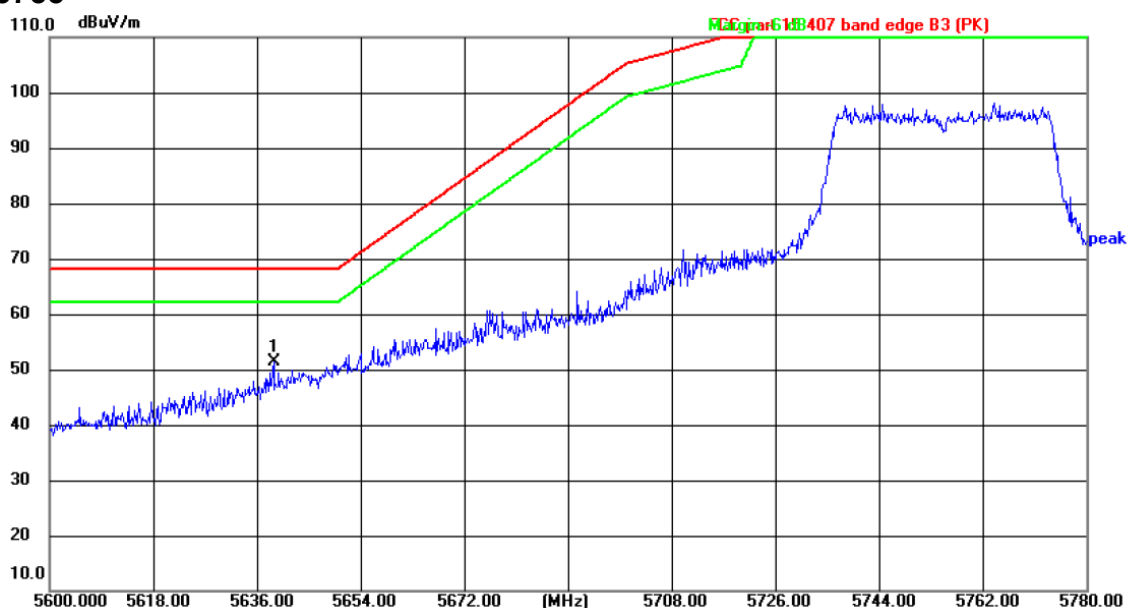
Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

Power:DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5967.400        | 51.86          | -6.43         | 45.43          | 68.20          | -22.77      | peak     | P   |        |

## AC40-5755



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

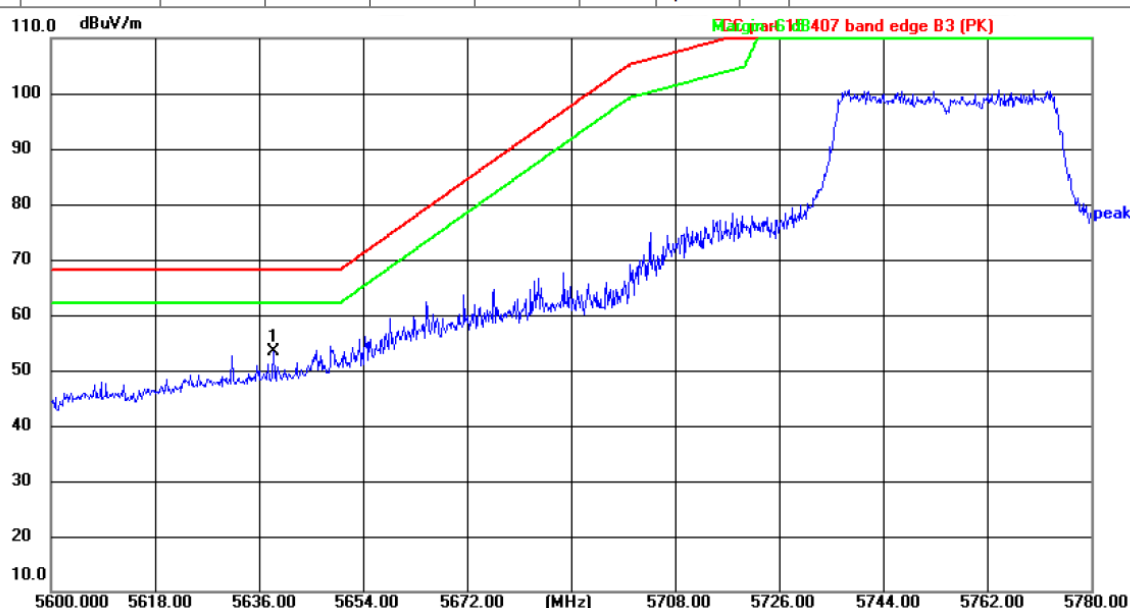
Temperature: 24.1(°C)

Humidity: 43 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 5 V (Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5638.880        | 58.93          | -7.43         | 51.50          | 68.20          | -16.70      | peak     | P   |        |



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 24.1(°C)

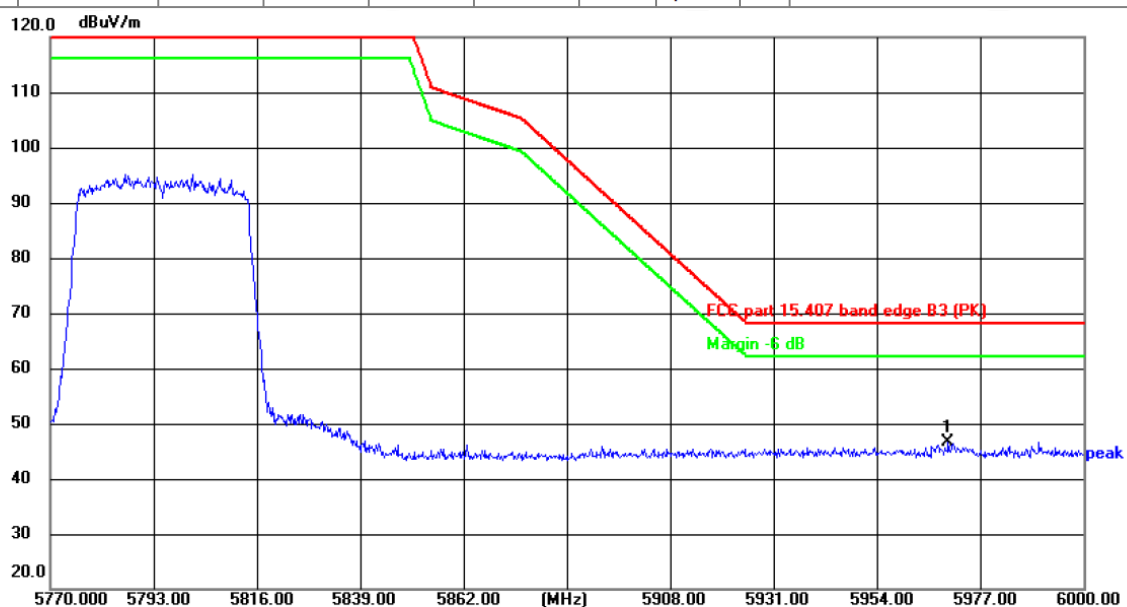
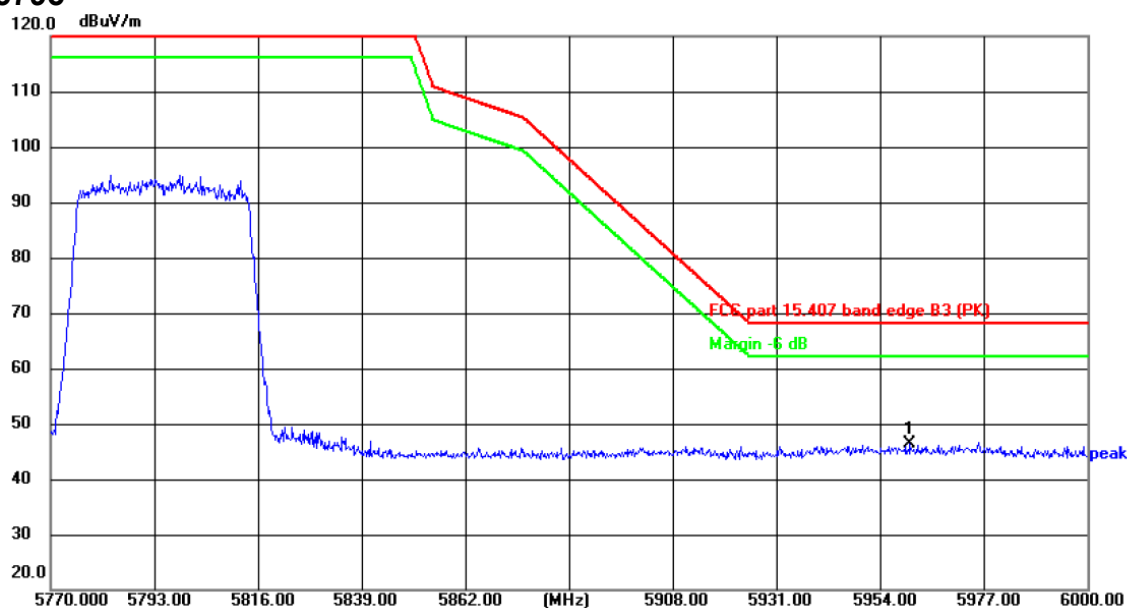
Humidity: 43 %

Limit: FCC part 15.407 band edge B3 (PK)

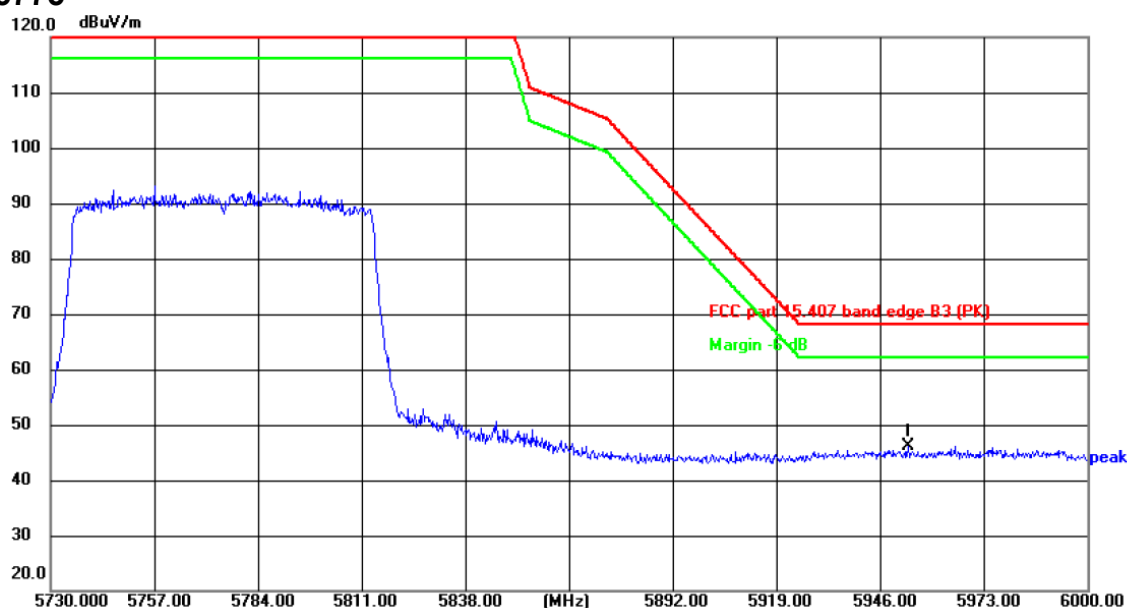
Power: DC 5 V (Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5638.520        | 60.72          | -7.44         | 53.28          | 68.20          | -14.92      | peak     | P   |        |

## AC40-5795



## AC80-5775



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

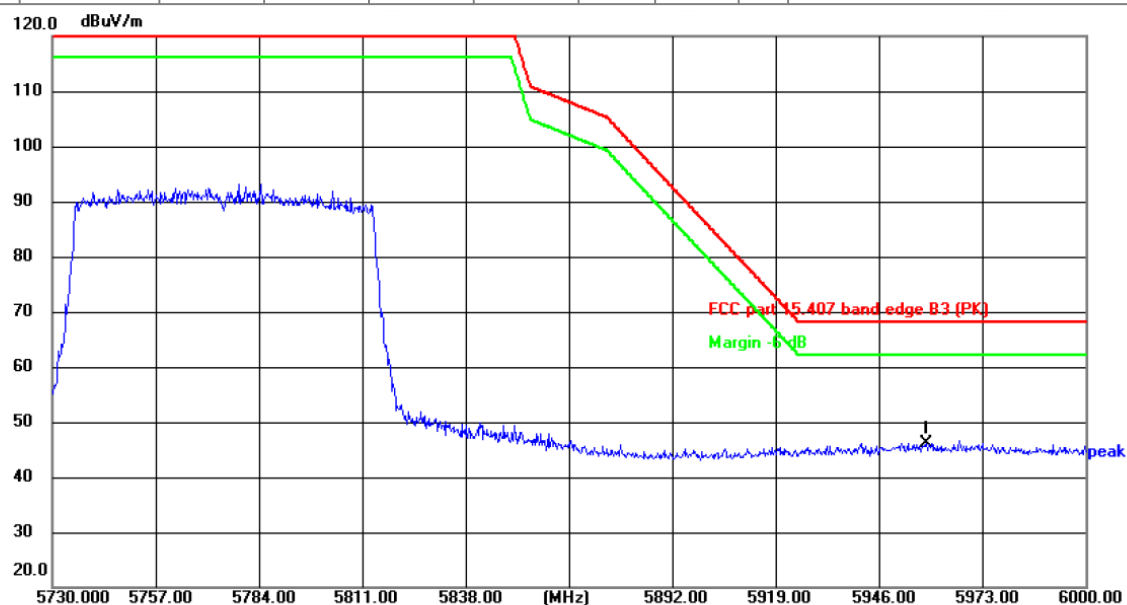
Temperature: 22.9(°C)

Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5953.290        | 52.70          | -6.48         | 46.22          | 68.20          | -21.98      | peak     | P   |        |



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 22.9(°C)

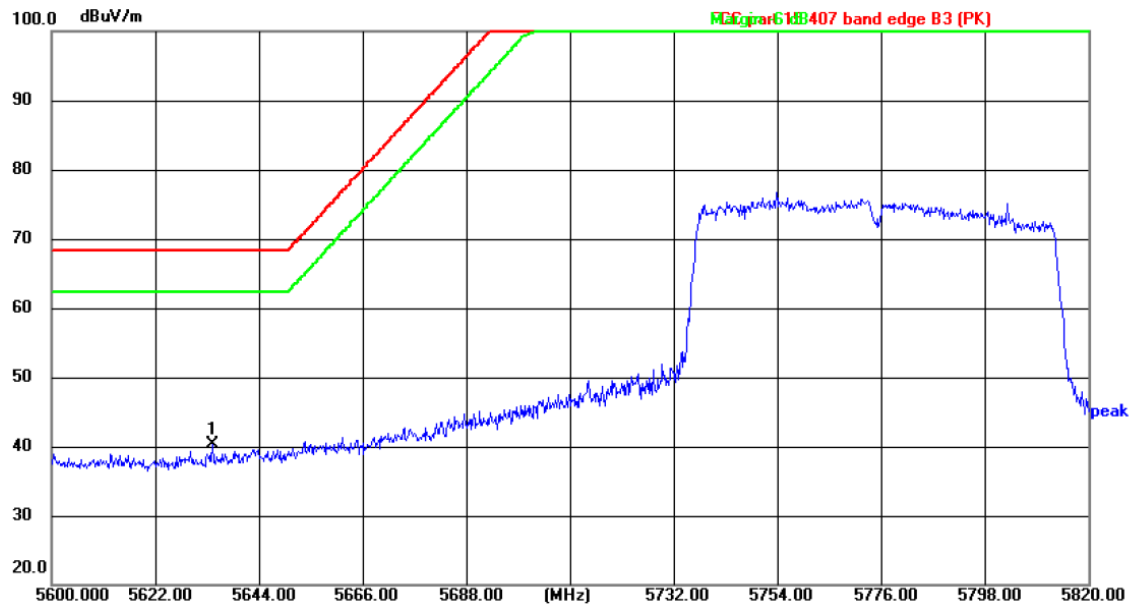
Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5958.420        | 52.64          | -6.46         | 46.18          | 68.20          | -22.02      | peak     | P   |        |

## AC80-5775



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

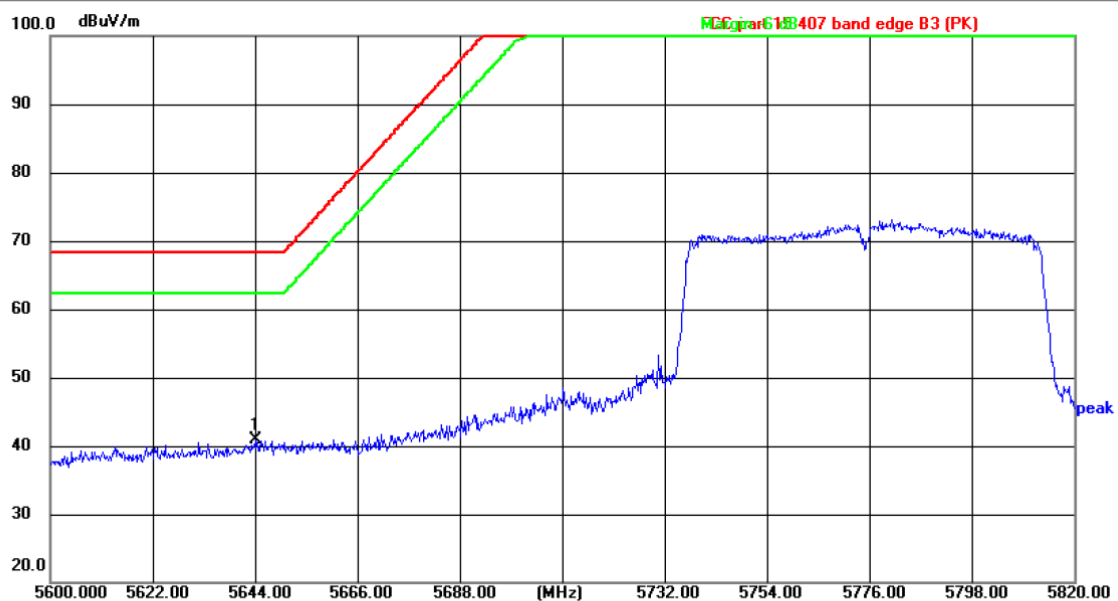
Temperature: 25.3(°C)

Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 5 V (Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5634.100        | 48.23          | -7.85         | 40.38          | 68.20          | -27.82      | peak     | P   |        |



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 25.3(°C)

Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

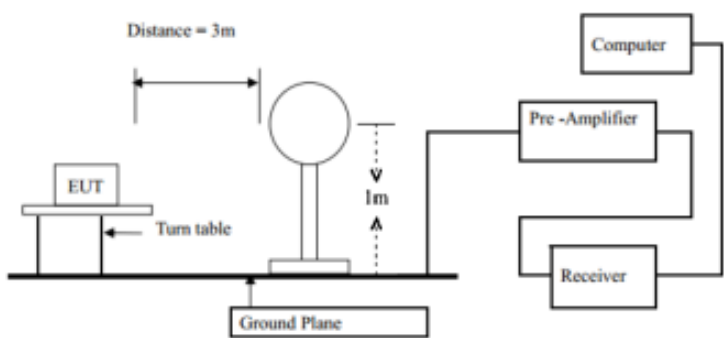
Power: DC 5 V (Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 5644.330        | 48.84          | -7.97         | 40.87          | 68.20          | -27.33      | peak     | P   |        |

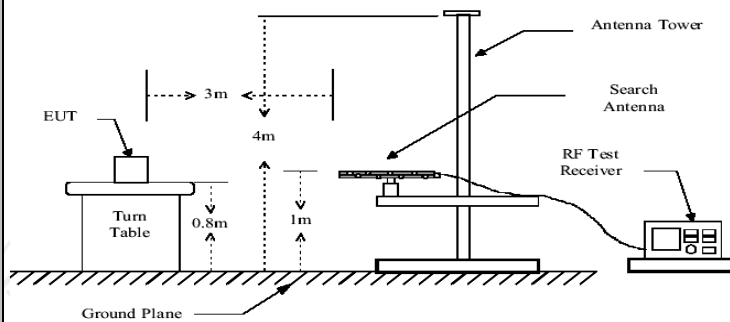
**Note:** All modulation (802.11a, 802.11n, 802.11ac) have been tested, only the worst case in 802.11ac be reported.

## 6.8. Unwanted Emissions

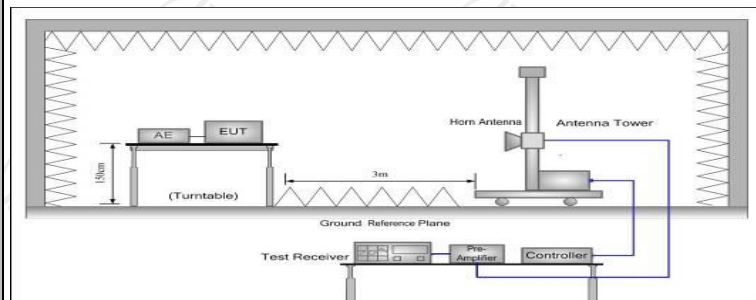
### 6.8.1. Test Specification

|                                                                                      |                                                                                                                                                                                             |            |                                   |               |                               |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------|---------------|-------------------------------|
| Test Requirement:                                                                    | FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205                                                                                                                                          |            |                                   |               |                               |
| Test Method:                                                                         | KDB 789033 D02 v02r01                                                                                                                                                                       |            |                                   |               |                               |
| Frequency Range:                                                                     | 9kHz to 40GHz                                                                                                                                                                               |            |                                   |               |                               |
| Measurement Distance:                                                                | 3 m                                                                                                                                                                                         |            |                                   |               |                               |
| Antenna Polarization:                                                                | Horizontal & Vertical                                                                                                                                                                       |            |                                   |               |                               |
| Operation mode:                                                                      | Transmitting mode with modulation                                                                                                                                                           |            |                                   |               |                               |
| Receiver Setup:                                                                      | Frequency                                                                                                                                                                                   | Detector   | RBW                               | VBW           | Remark                        |
|                                                                                      | 9kHz- 150kHz                                                                                                                                                                                | Quasi-peak | 200Hz                             | 1kHz          | Quasi-peak Value              |
|                                                                                      | 150kHz- 30MHz                                                                                                                                                                               | Quasi-peak | 9kHz                              | 30kHz         | Quasi-peak Value              |
|                                                                                      | 30MHz-1GHz                                                                                                                                                                                  | Quasi-peak | 120KHz                            | 300KHz        | Quasi-peak Value              |
|                                                                                      | Above 1GHz                                                                                                                                                                                  | Peak       | 1MHz                              | 3MHz          | Peak Value                    |
| Peak                                                                                 |                                                                                                                                                                                             | 1MHz       | 10Hz                              | Average Value |                               |
| Limit:                                                                               | Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,<br>In restricted bands: |            |                                   |               |                               |
|                                                                                      | Frequency                                                                                                                                                                                   |            | Detector                          |               | Limit@3m                      |
|                                                                                      | Above 1G                                                                                                                                                                                    |            | Peak                              |               | 74dBµV/m                      |
|                                                                                      |                                                                                                                                                                                             |            | AVG                               |               | 54dBµV/m                      |
|                                                                                      | Frequency                                                                                                                                                                                   |            | Field Strength (microvolts/meter) |               | Measurement Distance (meters) |
|                                                                                      | 0.009-0.490                                                                                                                                                                                 |            | 2400/F(KHz)                       |               | 300                           |
|                                                                                      | 0.490-1.705                                                                                                                                                                                 |            | 24000/F(KHz)                      |               | 3                             |
|                                                                                      | 1.705-30                                                                                                                                                                                    |            | 30                                |               | 30                            |
|                                                                                      | 30-88                                                                                                                                                                                       |            | 100                               |               | 3                             |
|                                                                                      | 88-216                                                                                                                                                                                      |            | 150                               |               | 3                             |
|                                                                                      | 216-960                                                                                                                                                                                     |            | 200                               |               | 3                             |
|                                                                                      | Above 960                                                                                                                                                                                   |            | 500                               |               | 3                             |
| Test setup:                                                                          | In un-restricted bands: 68.2dBµV/m                                                                                                                                                          |            |                                   |               |                               |
|                                                                                      | For radiated emissions below 30MHz                                                                                                                                                          |            |                                   |               |                               |
|  |                                                                                                                                                                                             |            |                                   |               |                               |

### 30MHz to 1GHz



### Above 1GHz



### Test Procedure:

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotating table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

### Test results:

PASS



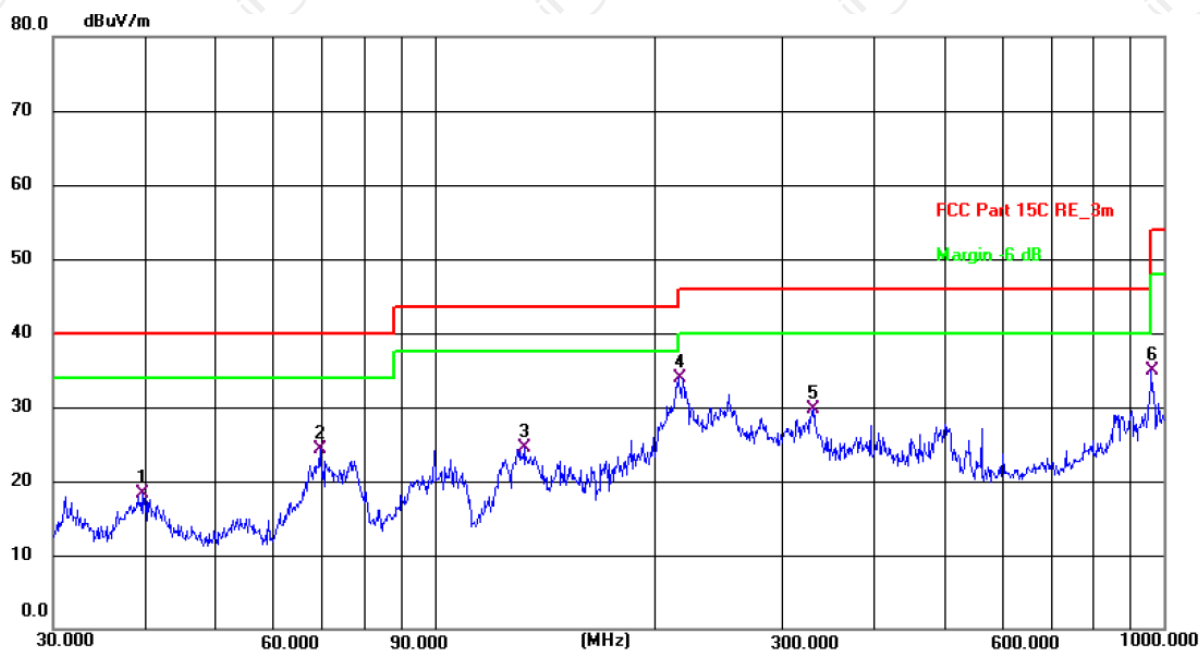
## 6.8.2. Test Instruments

| Radiated Emission Test Site (966) |              |               |                |               |               |
|-----------------------------------|--------------|---------------|----------------|---------------|---------------|
| Equipment                         | Manufacturer | Model         | Serial Number  | Date of Cal.  | Due Date      |
| EMI Test Receiver                 | R&S          | ESCI7         | 100529         | Jan. 21, 2025 | Jan. 20, 2026 |
| Spectrum Analyzer                 | R&S          | FSQ40         | 200061         | Jun. 27, 2024 | Jun. 26, 2025 |
| Pre-amplifier                     | SKET         | LNPA_0118G-45 | SK2021012102   | Jan. 21, 2025 | Jan. 20, 2026 |
| Pre-amplifier                     | SKET         | LNPA_1840G-50 | SK202109203500 | Jan. 21, 2025 | Jan. 20, 2026 |
| Pre-amplifier                     | HP           | 8447D         | 2727A05017     | Jun. 27, 2024 | Jun. 26, 2025 |
| Loop antenna                      | Schwarzbeck  | FMZB1519B     | 00191          | Jun. 27, 2024 | Jun. 26, 2025 |
| Broadband Antenna                 | Schwarzbeck  | VULB9163      | 340            | Jun. 29, 2024 | Jun. 28, 2025 |
| Horn Antenna                      | Schwarzbeck  | BBHA 9120D    | 631            | Jun. 29, 2024 | Jun. 28, 2025 |
| Horn Antenna                      | Schwarzbeck  | BBHA 9170     | 00956          | Jan. 23, 2025 | Jan. 22, 2026 |
| Coaxial cable                     | SKET         | RE-03-D       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-03-M       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-03-L       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-04-D       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-04-M       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Coaxial cable                     | SKET         | RE-04-L       | /              | Jun. 27, 2024 | Jun. 26, 2025 |
| Antenna Mast                      | Keleto       | RE-AM         | /              | /             | /             |
| EMI Test Software                 | EZ_EMCC      | FA-03A2 RE+   | 1.1.4.2        | /             | /             |

### 6.8.3. Test Data

Please refer to following diagram for individual  
Below 1GHz

Horizontal:



Site 3m Anechoic Chamber2

Polarization: **Horizontal**

Temperature: 22.8(C)

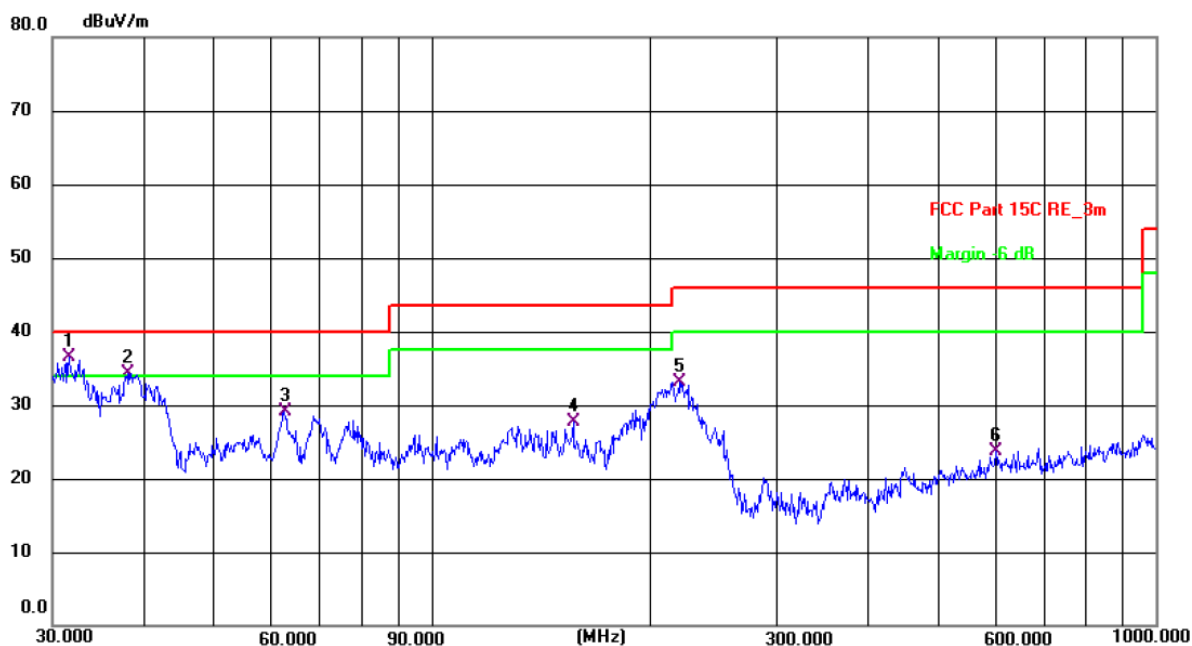
Humidity: 51 %

Limit: FCC Part 15C RE\_3m

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1   | 39.7146         | 36.76          | -18.49        | 18.27          | 40.00          | -21.73      | QP       | P   |        |
| 2   | 69.6005         | 44.54          | -20.31        | 24.23          | 40.00          | -15.77      | QP       | P   |        |
| 3   | 132.6850        | 42.80          | -18.27        | 24.53          | 43.50          | -18.97      | QP       | P   |        |
| 4 * | 216.0240        | 54.70          | -20.82        | 33.88          | 46.00          | -12.12      | QP       | P   |        |
| 5   | 331.3546        | 47.11          | -17.49        | 29.62          | 46.00          | -16.38      | QP       | P   |        |
| 6   | 962.1623        | 39.64          | -4.76         | 34.88          | 54.00          | -19.12      | QP       | P   |        |

Vertical:



Site 3m Anechoic Chamber2

Polarization: **Vertical**

Temperature: 22.8(C) Humidity: 51 %

Limit: FCC Part 15C RE\_3m

Power: DC 5 V(Notebook Computer Input AC 120 V/60 Hz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 31.6201         | 56.10          | -19.53        | 36.57          | 40.00          | -3.43       | QP       | P   |        |
| 2 ! | 38.0782         | 53.04          | -18.77        | 34.27          | 40.00          | -5.73       | QP       | P   |        |
| 3   | 62.6506         | 48.10          | -19.08        | 29.02          | 40.00          | -10.98      | QP       | P   |        |
| 4   | 157.0073        | 44.62          | -16.98        | 27.64          | 43.50          | -15.86      | QP       | P   |        |
| 5   | 219.8448        | 53.85          | -20.66        | 33.19          | 46.00          | -12.81      | QP       | P   |        |
| 6   | 601.4265        | 33.73          | -10.04        | 23.69          | 46.00          | -22.31      | QP       | P   |        |

**Note:** 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80)) and the worst case Mode (Lowest and 802.11a) was submitted only.

3.Measurement (dBuV) = Reading level + Correction Factor, correction Factor= Antenna Factor + Cable loss – Pre-amplifier.

| Modulation Type: Band 3  |               |                     |                   |                          |                |             |                     |                   |             |
|--------------------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
| 11a CH149: 5745MHz       |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11490                    | H             | 44.95               | ---               | 2.48                     | 47.43          | ---         | 74                  | 54                | -6.57       |
| 17235                    | H             | 37.84               | ---               | 6.50                     | 44.34          | ---         | 68.2                | ---               | -23.86      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11490                    | V             | 45.38               | ---               | 2.48                     | 47.86          | ---         | 74                  | 54                | -6.14       |
| 17235                    | V             | 38.59               | ---               | 6.50                     | 45.09          | ---         | 68.2                | ---               | -23.11      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11a CH157: 5785MHz       |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11570                    | H             | 43.73               | ---               | 2.42                     | 46.15          | ---         | 74                  | 54                | -7.85       |
| 17355                    | H             | 39.06               | ---               | 7.03                     | 46.09          | ---         | 68.2                | ---               | -22.11      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11570                    | V             | 44.21               | ---               | 2.42                     | 46.63          | ---         | 74                  | 54                | -7.37       |
| 17355                    | V             | 39.64               | ---               | 7.03                     | 46.67          | ---         | 68.2                | ---               | -21.53      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11a CH165: 5825MHz       |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11650                    | H             | 43.75               | ---               | 2.41                     | 46.16          | ---         | 74                  | 54                | -7.84       |
| 17475                    | H             | 36.54               | ---               | 7.41                     | 43.95          | ---         | 68.2                | ---               | -24.25      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11650                    | V             | 43.92               | ---               | 2.41                     | 46.33          | ---         | 74                  | 54                | -7.67       |
| 17475                    | V             | 38.56               | ---               | 7.41                     | 45.97          | ---         | 68.2                | ---               | -22.23      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11n(HT20) CH149: 5745MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11490                    | H             | 44.85               | ---               | 2.48                     | 47.33          | ---         | 74                  | 54                | -6.67       |
| 17235                    | H             | 38.34               | ---               | 6.50                     | 44.84          | ---         | 68.2                | ---               | -23.36      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11490                    | V             | 44.66               | ---               | 2.48                     | 47.14          | ---         | 74                  | 54                | -6.86       |
| 17235                    | V             | 37.39               | ---               | 6.50                     | 43.89          | ---         | 68.2                | ---               | -24.31      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

| 11n(HT20) CH157: 5785MHz |               |                     |                   |                          |                |             |                     |                   |             |
|--------------------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11570                    | H             | 44.83               | ---               | 2.42                     | 47.25          | ---         | 74                  | 54                | -6.75       |
| 17355                    | H             | 39.34               | ---               | 7.03                     | 46.37          | ---         | 68.2                | ---               | -21.83      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11570                    | V             | 45.12               | ---               | 2.42                     | 47.54          | ---         | 74                  | 54                | -6.46       |
| 17355                    | V             | 39.61               | ---               | 7.03                     | 46.64          | ---         | 68.2                | ---               | -21.56      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11n(HT20) CH165: 5825MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11650                    | H             | 45.42               | ---               | 2.41                     | 47.83          | ---         | 74                  | 54                | -6.17       |
| 17475                    | H             | 37.86               | ---               | 7.41                     | 45.27          | ---         | 68.2                | ---               | -22.93      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11650                    | V             | 45.38               | ---               | 2.41                     | 47.79          | ---         | 74                  | 54                | -6.21       |
| 17475                    | V             | 40.33               | ---               | 7.41                     | 47.74          | ---         | 68.2                | ---               | -20.46      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11n(HT40) CH151: 5755MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11510                    | H             | 44.92               | ---               | 2.47                     | 47.39          | ---         | 74                  | 54                | -6.61       |
| 17265                    | H             | 37.41               | ---               | 6.62                     | 44.03          | ---         | 68.2                | ---               | -24.17      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11510                    | V             | 44.76               | ---               | 2.47                     | 47.23          | ---         | 74                  | 54                | -6.77       |
| 17265                    | V             | 38.82               | ---               | 6.62                     | 45.44          | ---         | 68.2                | ---               | -22.76      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11n(HT40) CH159: 5795MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)          | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                          |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11590                    | H             | 44.55               | ---               | 2.40                     | 46.95          | ---         | 74                  | 54                | -7.05       |
| 17385                    | H             | 38.97               | ---               | 7.15                     | 46.12          | ---         | 68.2                | ---               | -22.08      |
| ---                      | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11590                    | V             | 44.41               | ---               | 2.40                     | 46.81          | ---         | 74                  | 54                | -7.19       |
| 17385                    | V             | 38.02               | ---               | 7.15                     | 45.17          | ---         | 68.2                | ---               | -23.03      |
| ---                      | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

| 11ac(VHT20) CH149: 5745MHz |               |                     |                   |                          |                |             |                     |                   |             |
|----------------------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
| Frequency (MHz)            | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                            |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11490                      | H             | 44.89               | ---               | 2.48                     | 47.37          | ---         | 74                  | 54                | -6.63       |
| 17235                      | H             | 37.53               | ---               | 6.50                     | 44.03          | ---         | 68.2                | ---               | -24.17      |
| ---                        | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11490                      | V             | 45.03               | ---               | 2.48                     | 47.51          | ---         | 74                  | 54                | -6.49       |
| 17235                      | V             | 38.74               | ---               | 6.50                     | 45.24          | ---         | 68.2                | ---               | -22.96      |
| ---                        | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11ac(VHT20) CH157: 5785MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)            | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                            |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11570                      | H             | 43.87               | ---               | 2.42                     | 46.29          | ---         | 74                  | 54                | -7.71       |
| 17355                      | H             | 36.54               | ---               | 7.03                     | 43.57          | ---         | 68.2                | ---               | -24.63      |
| ---                        | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11570                      | V             | 43.93               | ---               | 2.42                     | 46.35          | ---         | 74                  | 54                | -7.65       |
| 17355                      | V             | 38.47               | ---               | 7.03                     | 45.5           | ---         | 68.2                | ---               | -22.7       |
| ---                        | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11ac(VHT20) CH165: 5825MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)            | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                            |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11650                      | H             | 44.45               | ---               | 2.41                     | 46.86          | ---         | 74                  | 54                | -7.14       |
| 17475                      | H             | 38.86               | ---               | 7.41                     | 46.27          | ---         | 68.2                | ---               | -21.93      |
| ---                        | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11650                      | V             | 44.39               | ---               | 2.41                     | 46.8           | ---         | 74                  | 54                | -7.2        |
| 17475                      | V             | 40.21               | ---               | 7.41                     | 47.62          | ---         | 68.2                | ---               | -20.58      |
| ---                        | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11ac(VHT40) CH151: 5755MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)            | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                            |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11510                      | H             | 44.73               | ---               | 2.47                     | 47.2           | ---         | 74                  | 54                | -6.8        |
| 17265                      | H             | 37.42               | ---               | 6.62                     | 44.04          | ---         | 68.2                | ---               | -24.16      |
| ---                        | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11510                      | V             | 43.84               | ---               | 2.47                     | 46.31          | ---         | 74                  | 54                | -7.69       |
| 17265                      | V             | 36.47               | ---               | 6.62                     | 43.09          | ---         | 68.2                | ---               | -25.11      |
| ---                        | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

| 11ac(VHT40) CH159: 5795MHz |               |                     |                   |                          |                |             |                     |                   |             |
|----------------------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
| Frequency (MHz)            | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                            |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11590                      | H             | 43.55               | ---               | 2.40                     | 45.95          | ---         | 74                  | 54                | -8.05       |
| 17385                      | H             | 37.37               | ---               | 7.15                     | 44.52          | ---         | 68.2                | ---               | -23.68      |
| ---                        | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11590                      | V             | 42.96               | ---               | 2.40                     | 45.36          | ---         | 74                  | 54                | -8.64       |
| 17385                      | V             | 38.67               | ---               | 7.15                     | 45.82          | ---         | 68.2                | ---               | -22.38      |
| ---                        | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11ac(VHT80) CH155: 5775MHz |               |                     |                   |                          |                |             |                     |                   |             |
| Frequency (MHz)            | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|                            |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 11550                      | H             | 44.85               | ---               | 2.44                     | 47.29          | ---         | 74                  | 54                | -6.71       |
| 17325                      | H             | 38.34               | ---               | 6.89                     | 45.23          | ---         | 68.2                | ---               | -22.97      |
| ---                        | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 11550                      | V             | 44.97               | ---               | 2.44                     | 47.41          | ---         | 74                  | 54                | -6.59       |
| 17325                      | V             | 38.26               | ---               | 6.89                     | 45.15          | ---         | 68.2                | ---               | -23.05      |
| ---                        | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

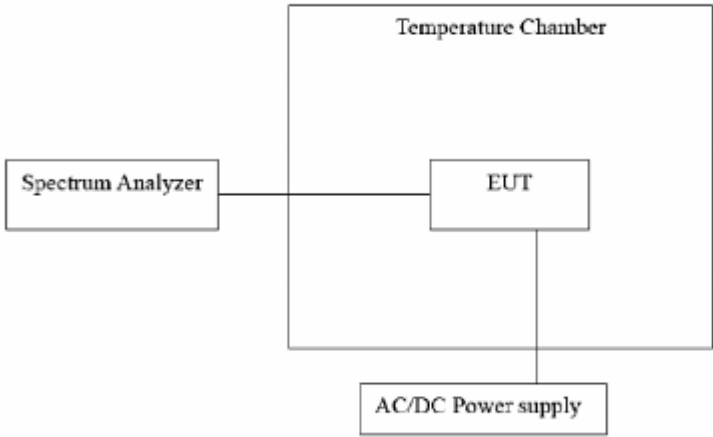
**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
5. Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



## 6.9. Frequency Stability Measurement

### 6.9.1. Test Specification

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Requirement:</b> | FCC Part15 Section 15.407(g) &Part2 J Section 2.1055                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Test Method:</b>      | ANSI C63.10: 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Limit:</b>            | The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 45 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.                                                                                                                                                                                                                                                                                                                |
| <b>Test Setup:</b>       |  <pre> graph LR     SA[Spectrum Analyzer] --- EUT[EUT]     subgraph TC [Temperature Chamber]         EUT     end     EUT --- P[AC/DC Power supply]             </pre>                                                                                                                                                                                                                                                                                                                                                               |
| <b>Test Procedure:</b>   | The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record. |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Remark:</b>           | Pre-scan was performed at all models(11a,11n,11ac), the worst case (11ac) was found and test data was shown in this report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### 6.9.2. Test Instruments

| Equipment                                   | Manufacturer | Model   | Serial Number | Date of Cal.  | Due Date      |
|---------------------------------------------|--------------|---------|---------------|---------------|---------------|
| Spectrum Analyzer                           | Agilent      | N9020A  | MY49100619    | Jun. 27, 2024 | Jun. 26, 2025 |
| DC power supply                             | Kingrang     | KR3005K | /             | Jun. 27, 2024 | Jun. 26, 2025 |
| Programable tempratuce and humidity chamber | JQ           | JQ-2000 | 510101234     | Jun. 27, 2024 | Jun. 26, 2025 |

Test plots as follows:

| Test mode:       |                           | 802.11ac(VHT20)            | Frequency(MHz):     | 5745   |
|------------------|---------------------------|----------------------------|---------------------|--------|
| Temperature (°C) | Voltage(V <sub>DC</sub> ) | Measurement Frequency(MHz) | Delta Frequency(Hz) | Result |
| 45               | 5V                        | 5744.98                    | -20000              | PASS   |
| 35               |                           | 5744.94                    | -60000              | PASS   |
| 25               |                           | 5744.96                    | -40000              | PASS   |
| 15               |                           | 5744.96                    | -40000              | PASS   |
| 5                |                           | 5744.98                    | -20000              | PASS   |
| 0                |                           | 5744.98                    | -20000              | PASS   |
| 25               | 4.25V                     | 5745                       | 0                   | PASS   |
|                  | 5V                        | 5744.96                    | -40000              | PASS   |
|                  | 5.75V                     | 5744.96                    | -40000              | PASS   |

| Test mode:       |                           | 802.11ac(VHT20)            | Frequency(MHz):     | 5825   |
|------------------|---------------------------|----------------------------|---------------------|--------|
| Temperature (°C) | Voltage(V <sub>DC</sub> ) | Measurement Frequency(MHz) | Delta Frequency(Hz) | Result |
| 45               | 5V                        | 5824.98                    | -20000              | PASS   |
| 35               |                           | 5824.96                    | -40000              | PASS   |
| 25               |                           | 5824.92                    | -80000              | PASS   |
| 15               |                           | 5825                       | 0                   | PASS   |
| 5                |                           | 5824.96                    | -40000              | PASS   |
| 0                |                           | 5824.96                    | -40000              | PASS   |
| 25               | 4.25V                     | 5824.98                    | -20000              | PASS   |
|                  | 5V                        | 5824.94                    | -60000              | PASS   |
|                  | 5.75V                     | 5824.92                    | -80000              | PASS   |

| Test mode:       |                           | 802.11ac(VHT40)            | Frequency(MHz):     | 5755   |
|------------------|---------------------------|----------------------------|---------------------|--------|
| Temperature (°C) | Voltage(V <sub>DC</sub> ) | Measurement Frequency(MHz) | Delta Frequency(Hz) | Result |
| 45               | 5V                        | 5754.96                    | -40000              | PASS   |
| 35               |                           | 5754.96                    | -40000              | PASS   |
| 25               |                           | 5755                       | 0                   | PASS   |
| 15               |                           | 5754.96                    | -40000              | PASS   |
| 5                |                           | 5754.92                    | -80000              | PASS   |
| 0                |                           | 5754.92                    | -80000              | PASS   |
| 25               | 4.25V                     | 5754.92                    | -80000              | PASS   |
|                  | 5V                        | 5754.96                    | -40000              | PASS   |
|                  | 5.75V                     | 5754.96                    | -40000              | PASS   |

| Test mode:       |                           | 802.11ac(VHT40)            | Frequency(MHz):     | 5795   |
|------------------|---------------------------|----------------------------|---------------------|--------|
| Temperature (°C) | Voltage(V <sub>DC</sub> ) | Measurement Frequency(MHz) | Delta Frequency(Hz) | Result |
| 45               | 5V                        | 5794.96                    | -40000              | PASS   |
| 35               |                           | 5794.96                    | -40000              | PASS   |
| 25               |                           | 5794.96                    | -40000              | PASS   |
| 15               |                           | 5794.96                    | -40000              | PASS   |
| 5                |                           | 5794.96                    | -40000              | PASS   |
| 0                |                           | 5794.96                    | -40000              | PASS   |
| 25               | 4.25V                     | 5794.96                    | -40000              | PASS   |
|                  | 5V                        | 5795                       | 0                   | PASS   |
|                  | 5.75V                     | 5794.96                    | -40000              | PASS   |

| Test mode:       |                           | 802.11ac(VHT80)            | Frequency(MHz):     | 5775   |
|------------------|---------------------------|----------------------------|---------------------|--------|
| Temperature (°C) | Voltage(V <sub>DC</sub> ) | Measurement Frequency(MHz) | Delta Frequency(Hz) | Result |
| 45               | 5V                        | 5775.08                    | 80000               | PASS   |
| 35               |                           | 5775.16                    | 160000              | PASS   |
| 25               |                           | 5775                       | 0                   | PASS   |
| 15               |                           | 5775.08                    | 80000               | PASS   |
| 5                |                           | 5775                       | 0                   | PASS   |
| 0                |                           | 5775                       | 0                   | PASS   |
| 20               | 4.25V                     | 5774.92                    | -80000              | PASS   |
|                  | 5V                        | 5775.08                    | 80000               | PASS   |
|                  | 5.75V                     | 5775.08                    | 80000               | PASS   |

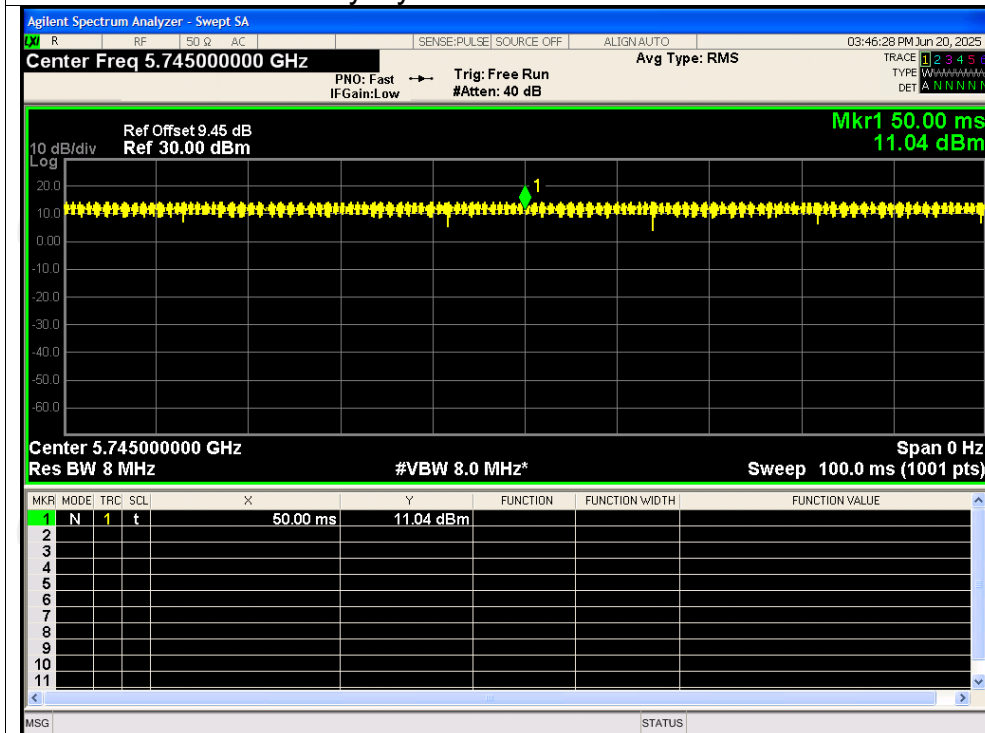
## Appendix A: Test Result of Conducted Test

### Duty Cycle

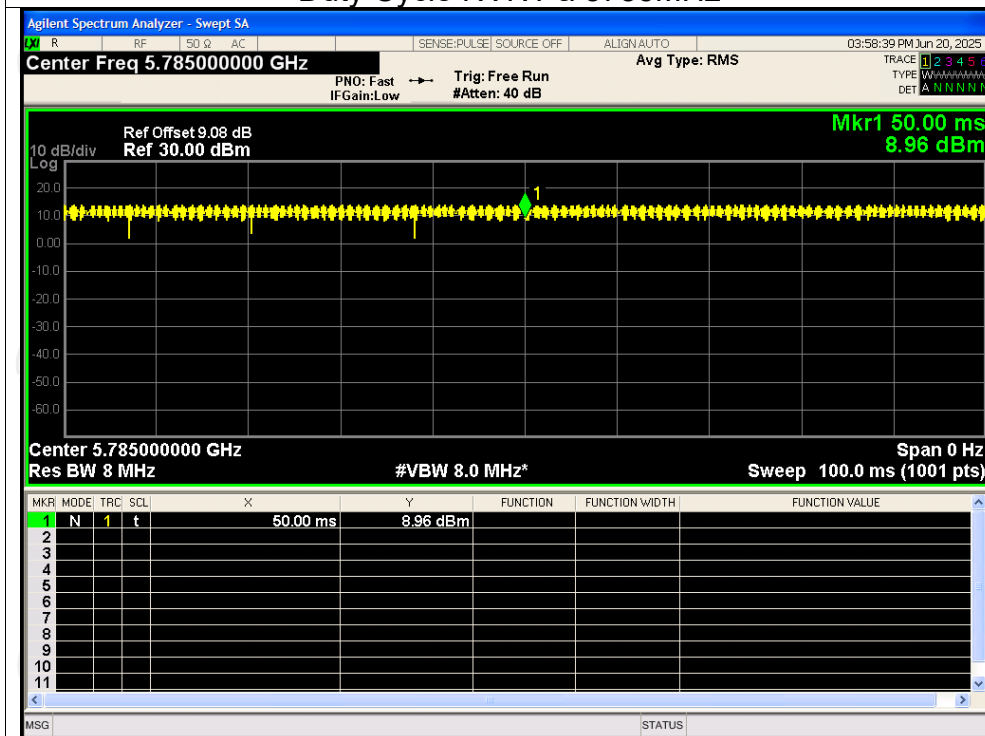
| Condition | Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|----------------|------------------------|
| NVNT      | a    | 5745            | 100            | 0                      |
| NVNT      | a    | 5785            | 100            | 0                      |
| NVNT      | a    | 5825            | 100            | 0                      |
| NVNT      | n20  | 5745            | 100            | 0                      |
| NVNT      | n20  | 5785            | 100            | 0                      |
| NVNT      | n20  | 5825            | 100            | 0                      |
| NVNT      | n40  | 5755            | 100            | 0                      |
| NVNT      | n40  | 5795            | 98.5           | 0                      |
| NVNT      | ac20 | 5745            | 100            | 0                      |
| NVNT      | ac20 | 5785            | 99.4           | 0                      |
| NVNT      | ac20 | 5825            | 100            | 0                      |
| NVNT      | ac40 | 5755            | 100            | 0                      |
| NVNT      | ac40 | 5795            | 100            | 0                      |
| NVNT      | ac80 | 5775            | 100            | 0                      |

## Test Graphs

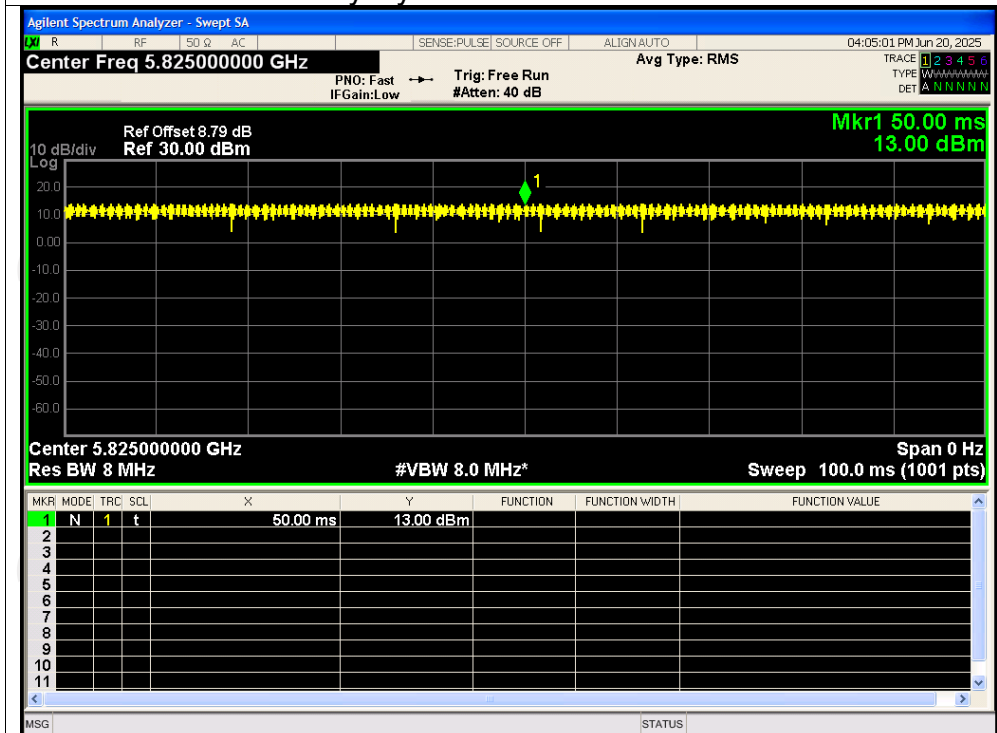
### Duty Cycle NVNT a 5745MHz



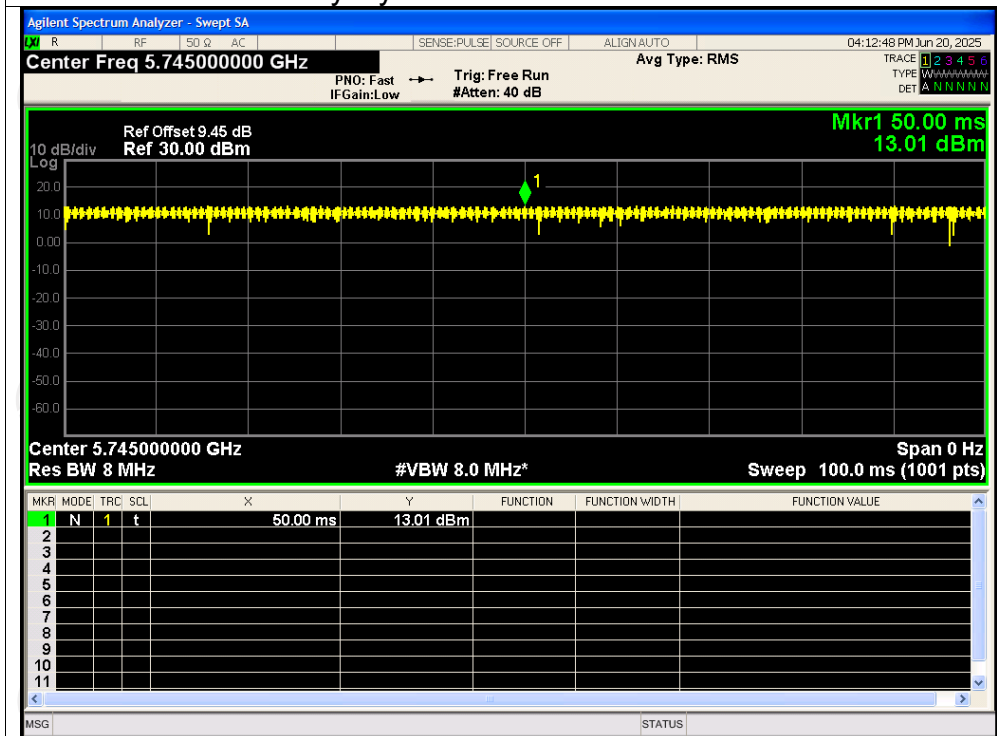
### Duty Cycle NVNT a 5785MHz



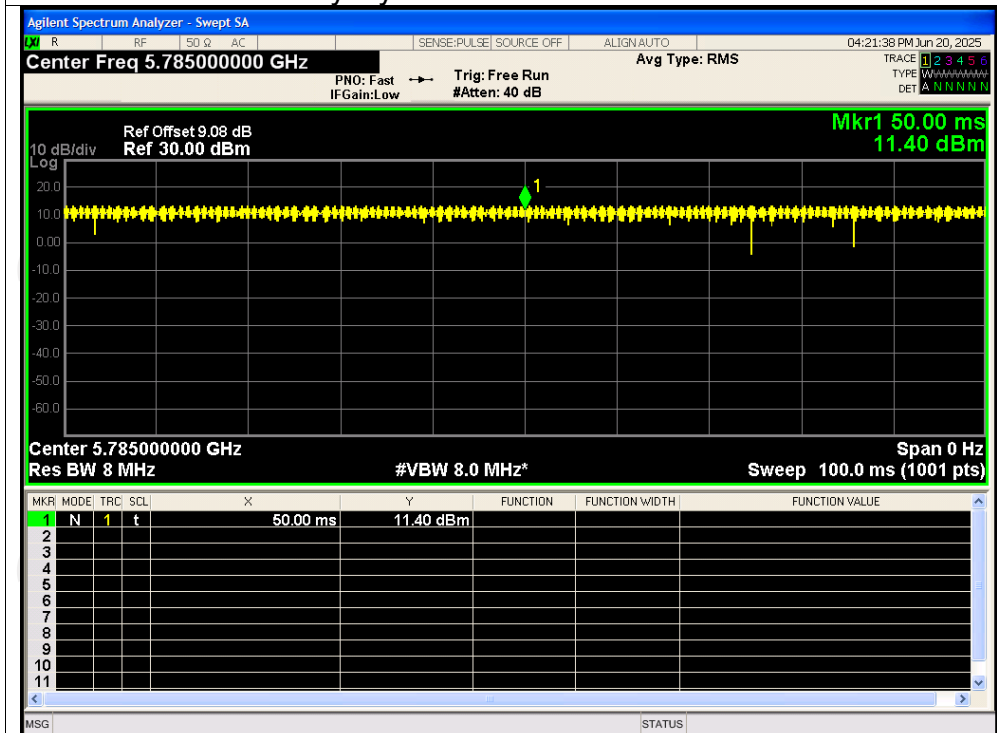
## Duty Cycle NVNT a 5825MHz



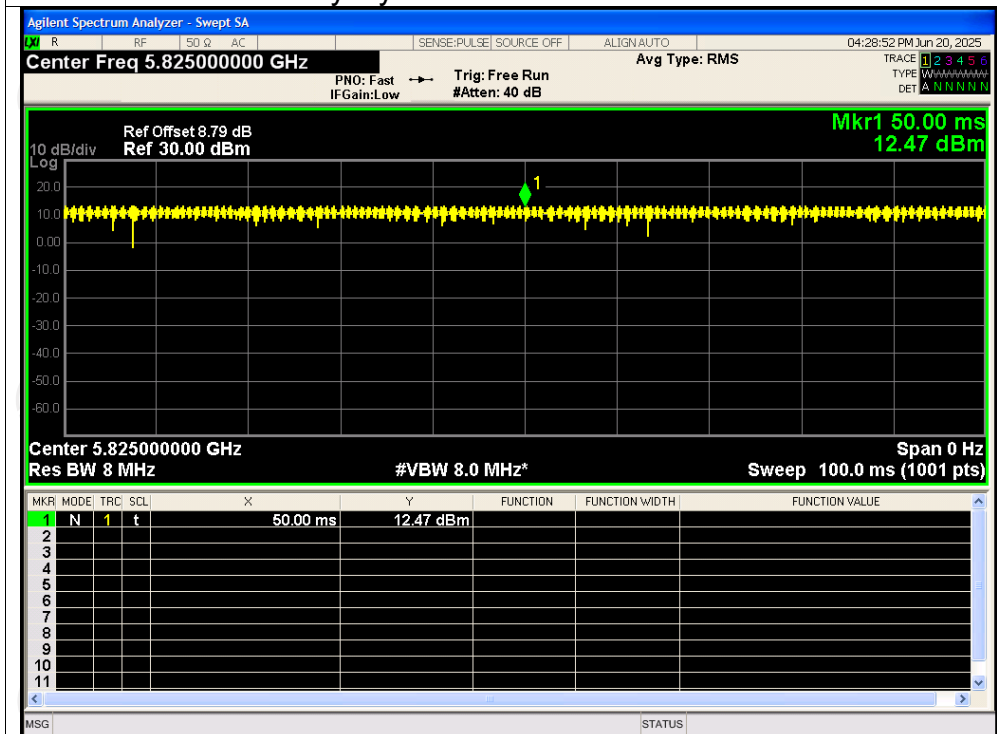
## Duty Cycle NVNT n20 5745MHz



## Duty Cycle NVNT n20 5785MHz

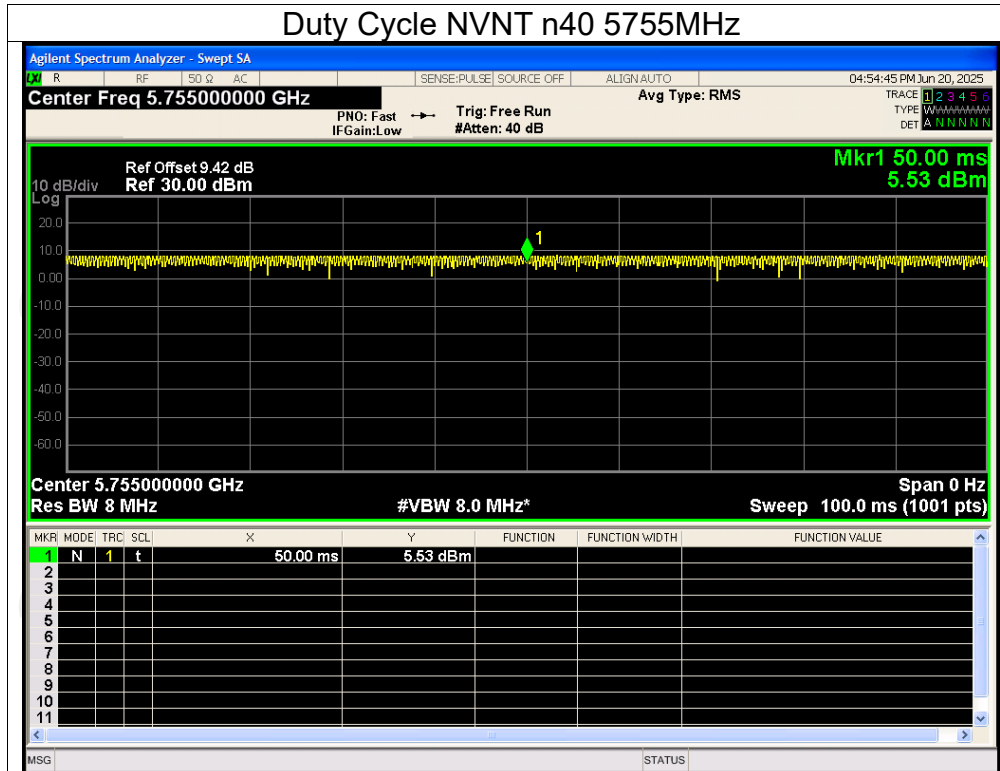


## Duty Cycle NVNT n20 5825MHz

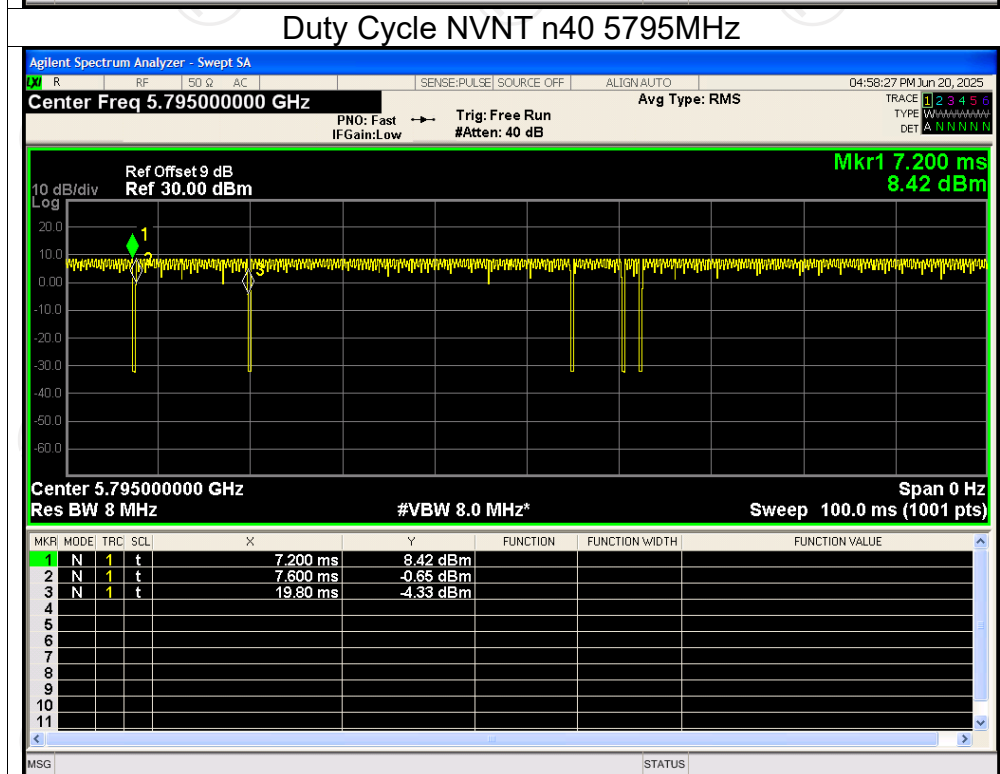




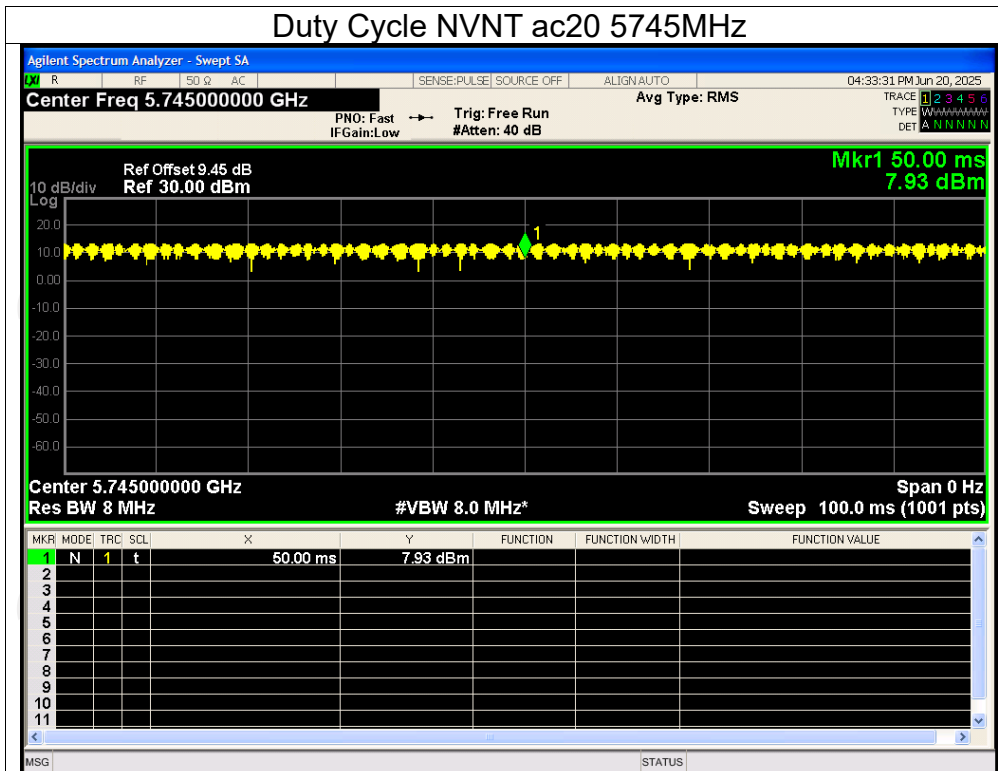
## Duty Cycle NVNT n40 5755MHz



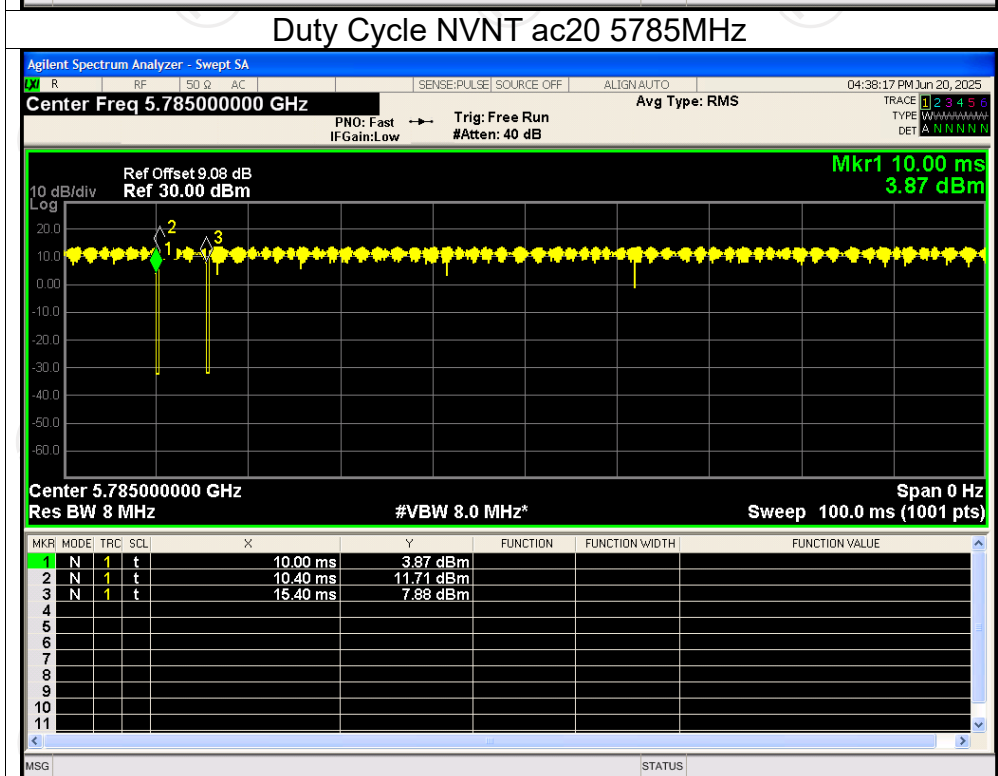
## Duty Cycle NVNT n40 5795MHz



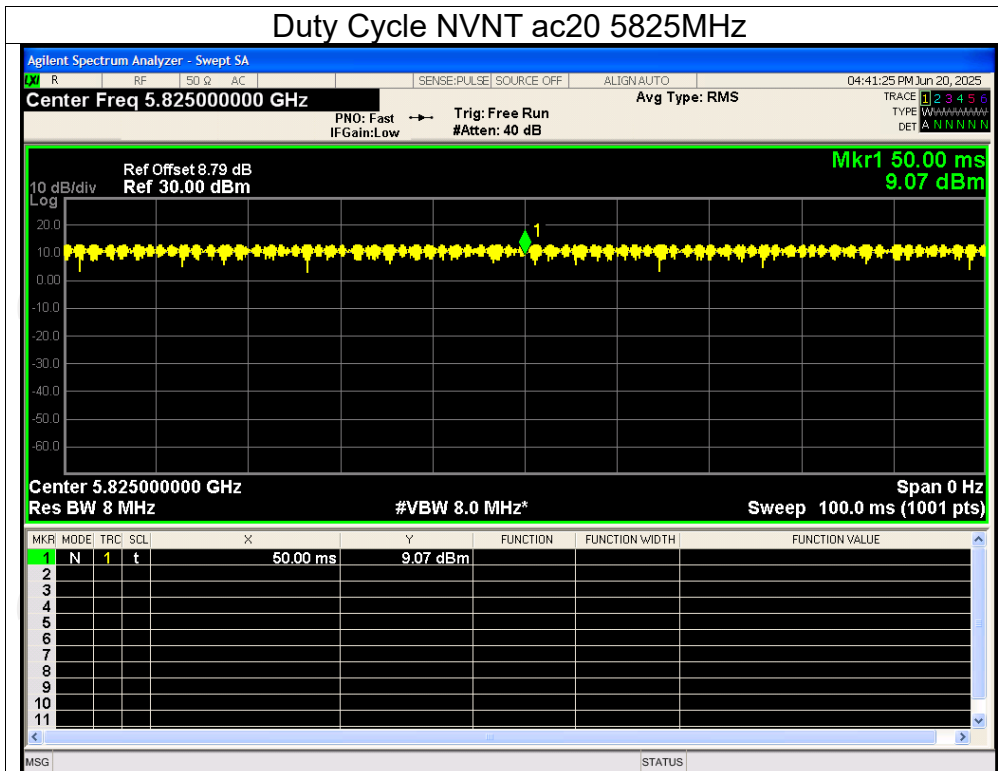
## Duty Cycle NVNT ac20 5745MHz



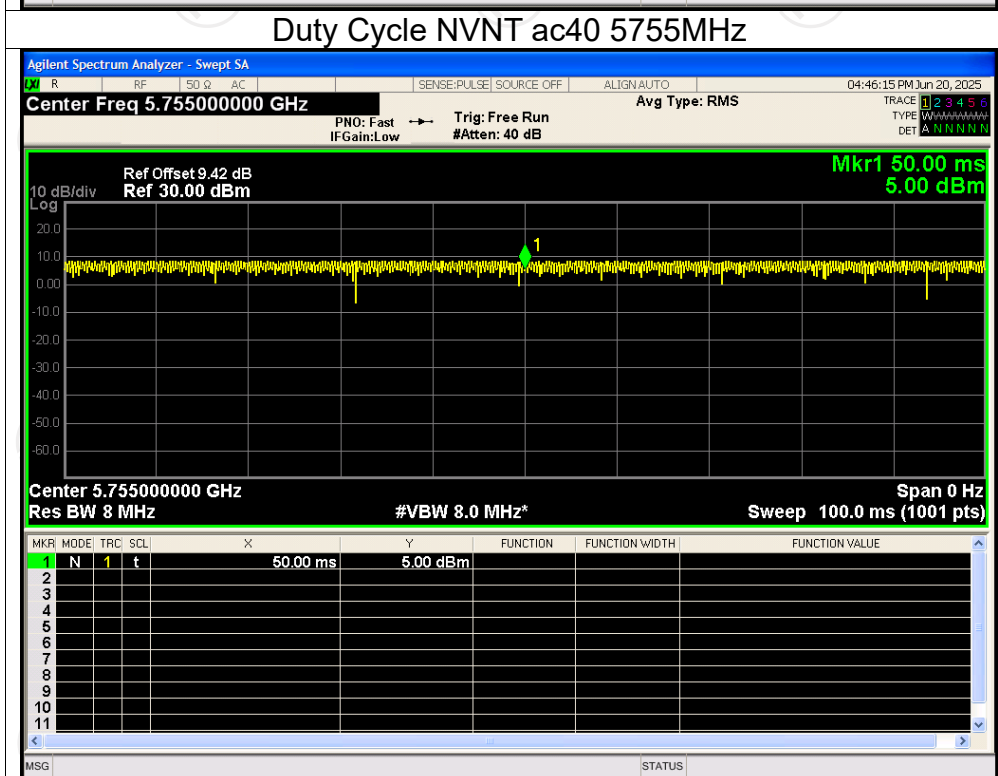
## Duty Cycle NVNT ac20 5785MHz



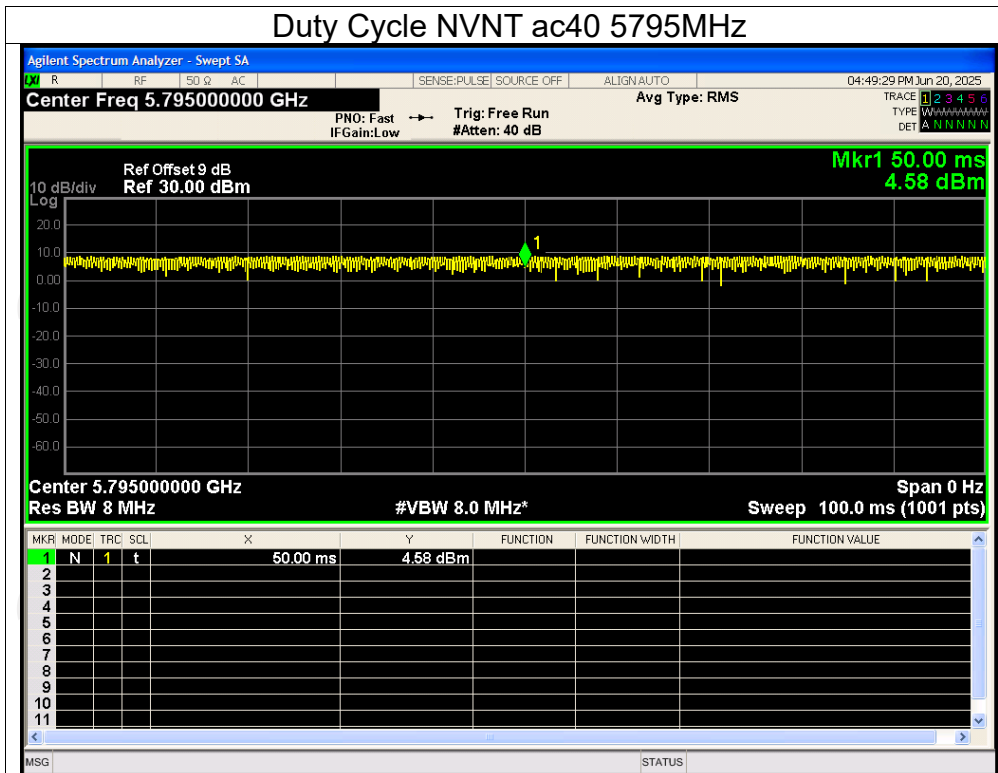
## Duty Cycle NVNT ac20 5825MHz



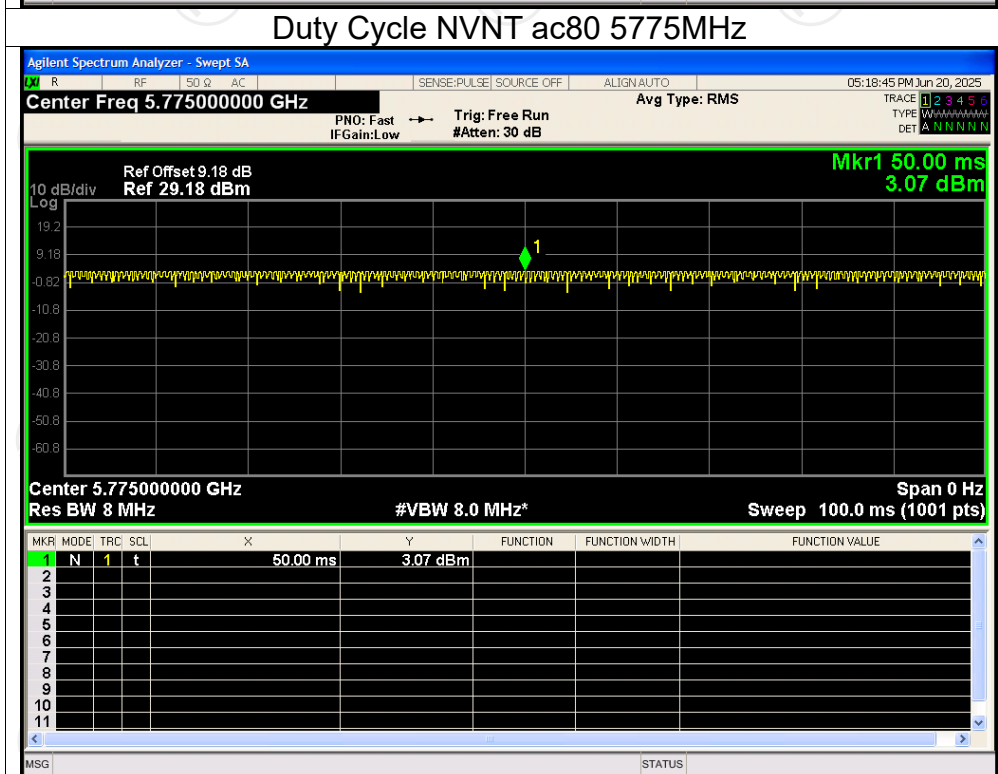
## Duty Cycle NVNT ac40 5755MHz



## Duty Cycle NVNT ac40 5795MHz



## Duty Cycle NVNT ac80 5775MHz

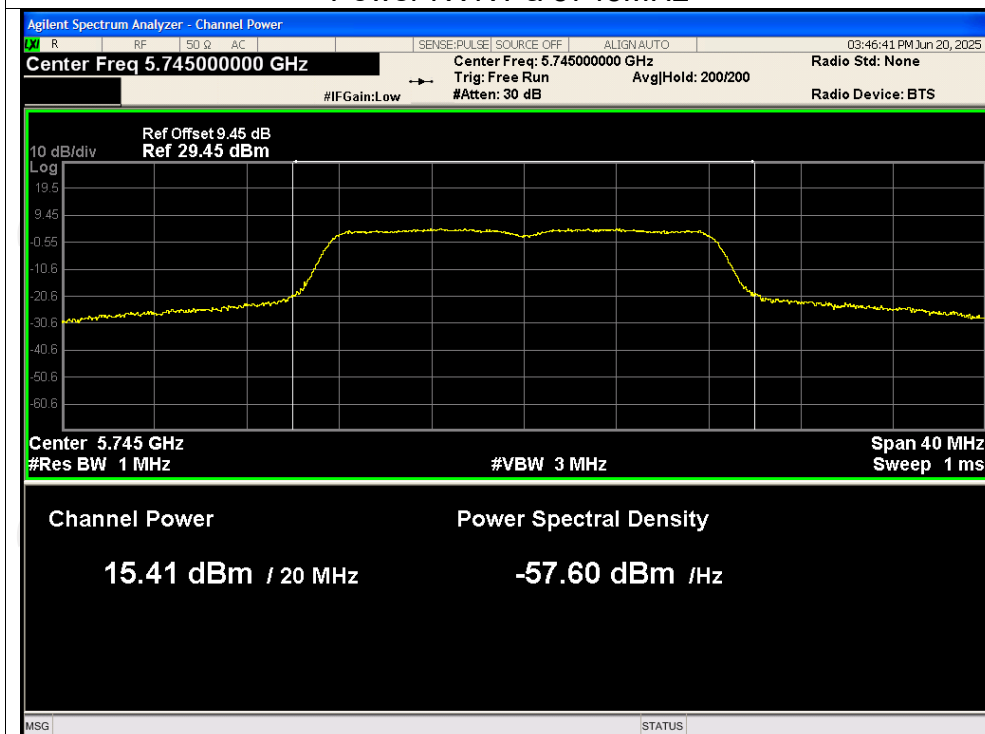


**Maximum Conducted Output Power**

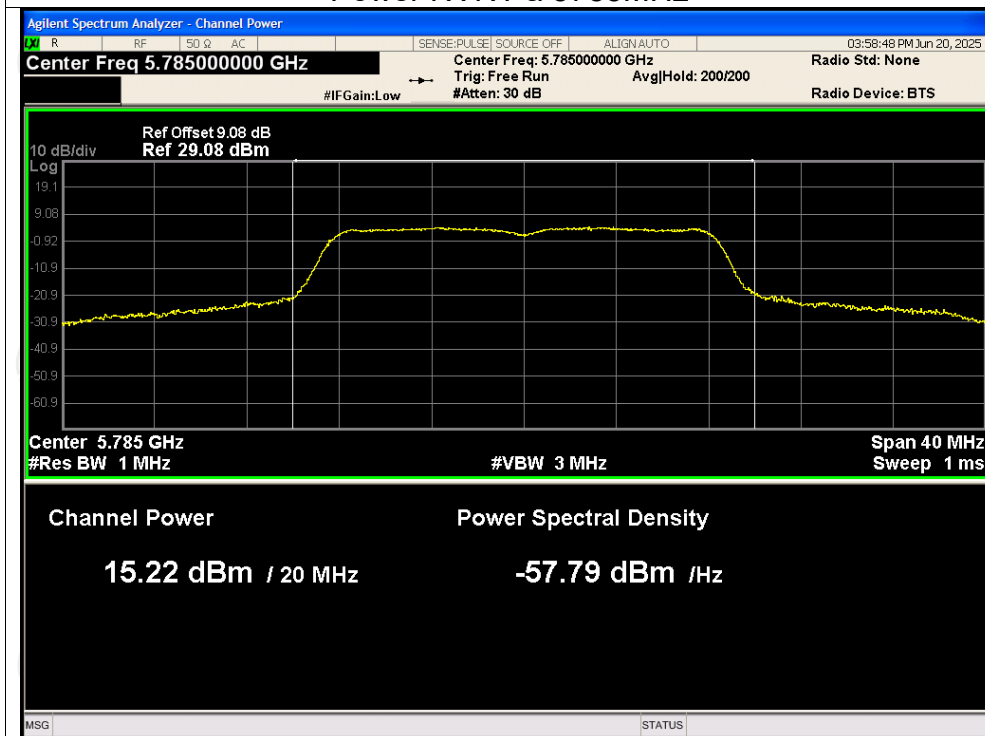
| Condition | Mode | Frequency (MHz) | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|-----------------------|-------------|---------|
| NVNT      | a    | 5745            | 15.41                 | 30          | Pass    |
| NVNT      | a    | 5785            | 15.22                 | 30          | Pass    |
| NVNT      | a    | 5825            | 15.18                 | 30          | Pass    |
| NVNT      | n20  | 5745            | 15.04                 | 30          | Pass    |
| NVNT      | n20  | 5785            | 15.20                 | 30          | Pass    |
| NVNT      | n20  | 5825            | 15.14                 | 30          | Pass    |
| NVNT      | n40  | 5755            | 14.25                 | 30          | Pass    |
| NVNT      | n40  | 5795            | 14.26                 | 30          | Pass    |
| NVNT      | ac20 | 5745            | 14.85                 | 30          | Pass    |
| NVNT      | ac20 | 5785            | 15.03                 | 30          | Pass    |
| NVNT      | ac20 | 5825            | 14.95                 | 30          | Pass    |
| NVNT      | ac40 | 5755            | 14.05                 | 30          | Pass    |
| NVNT      | ac40 | 5795            | 14.22                 | 30          | Pass    |
| NVNT      | ac80 | 5775            | 13.36                 | 30          | Pass    |

## Test Graphs

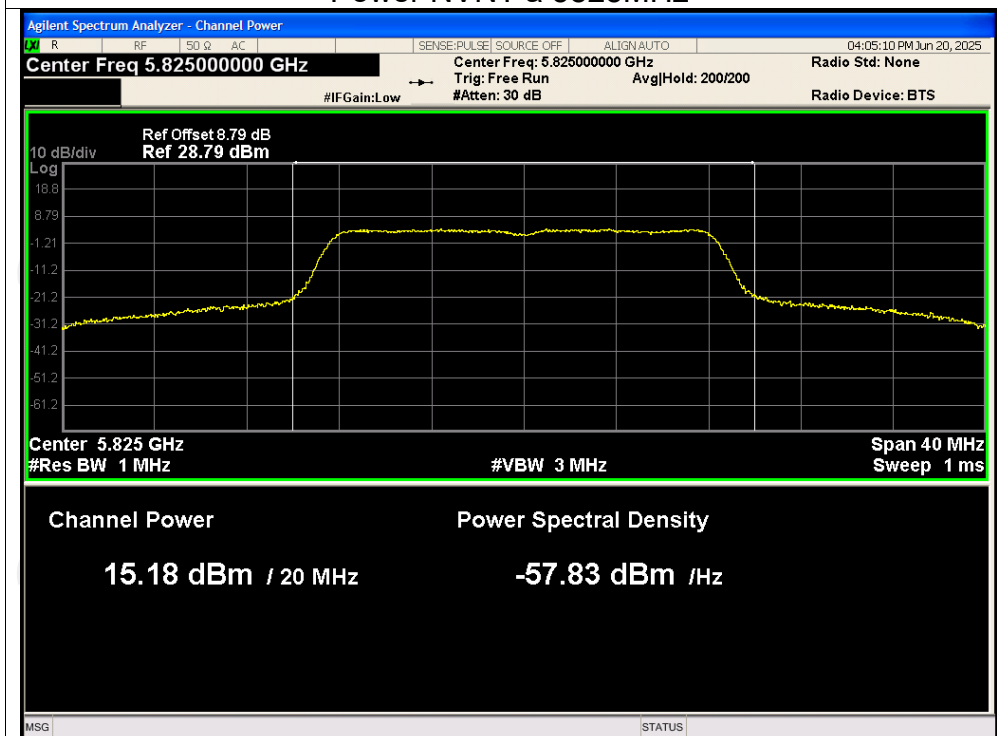
### Power NVNT a 5745MHz



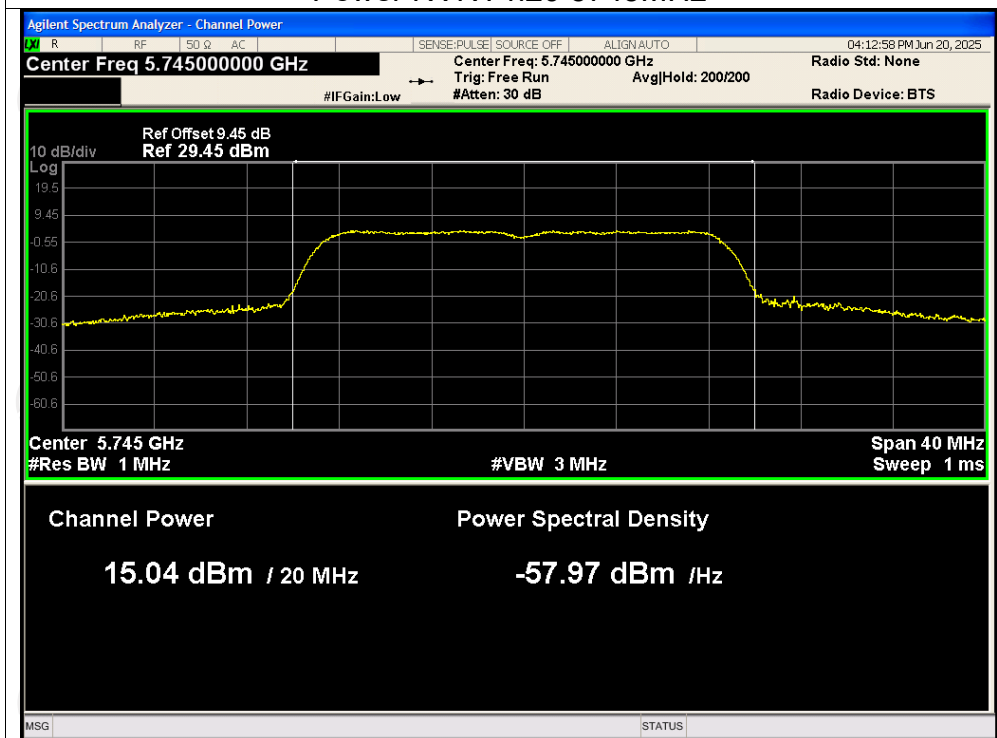
### Power NVNT a 5785MHz



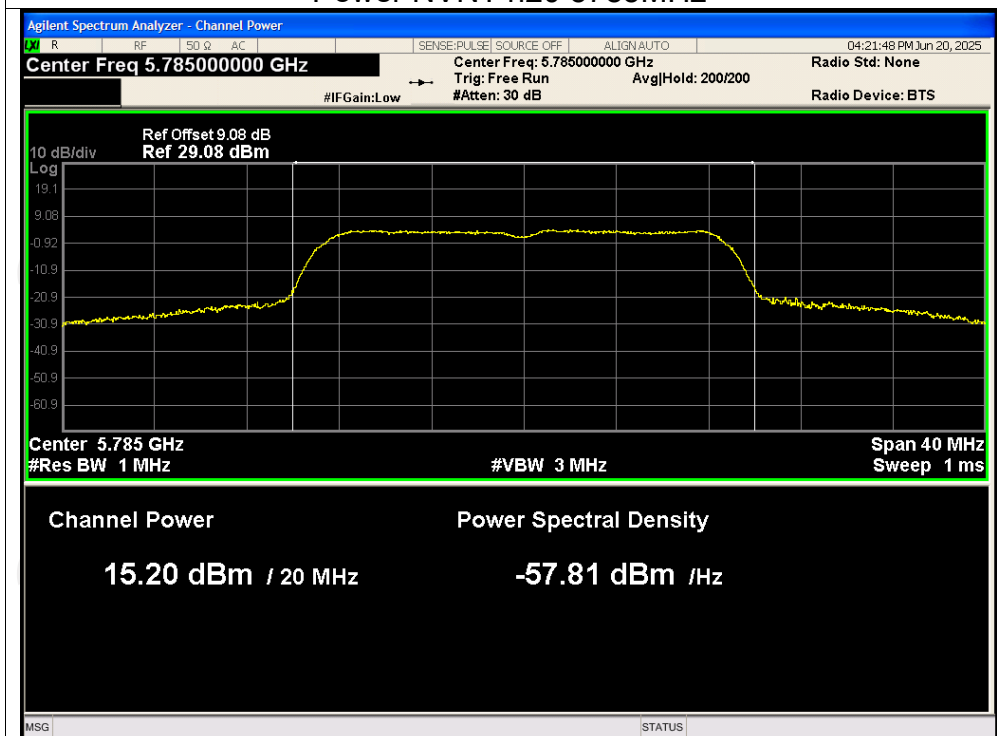
## Power NVNT a 5825MHz



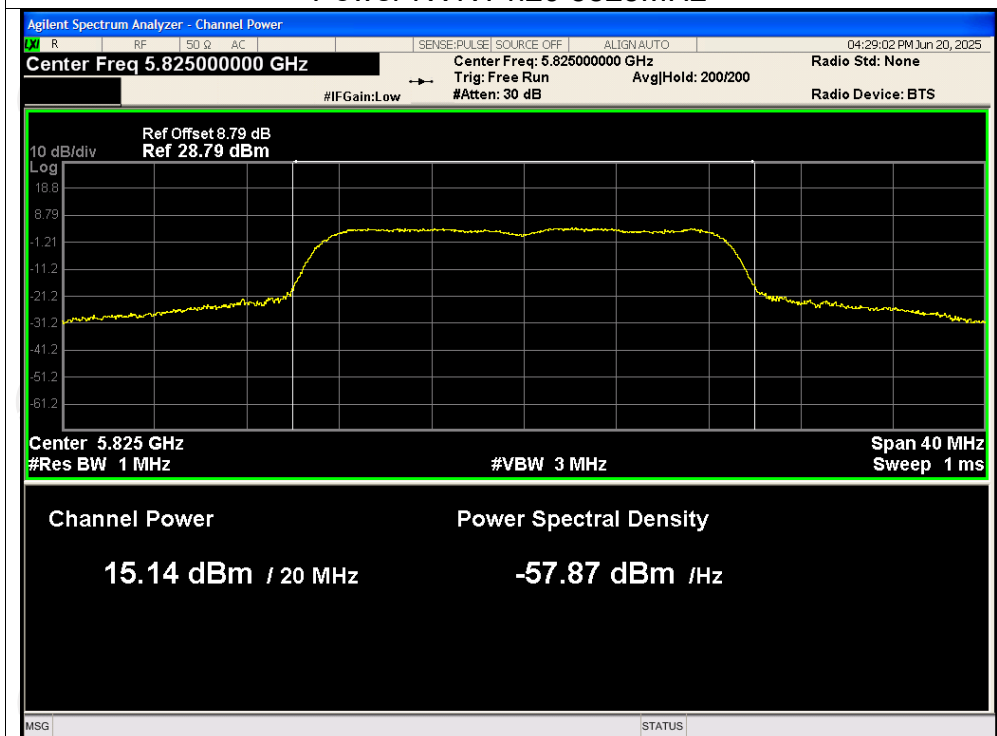
## Power NVNT n20 5745MHz



## Power NVNT n20 5785MHz

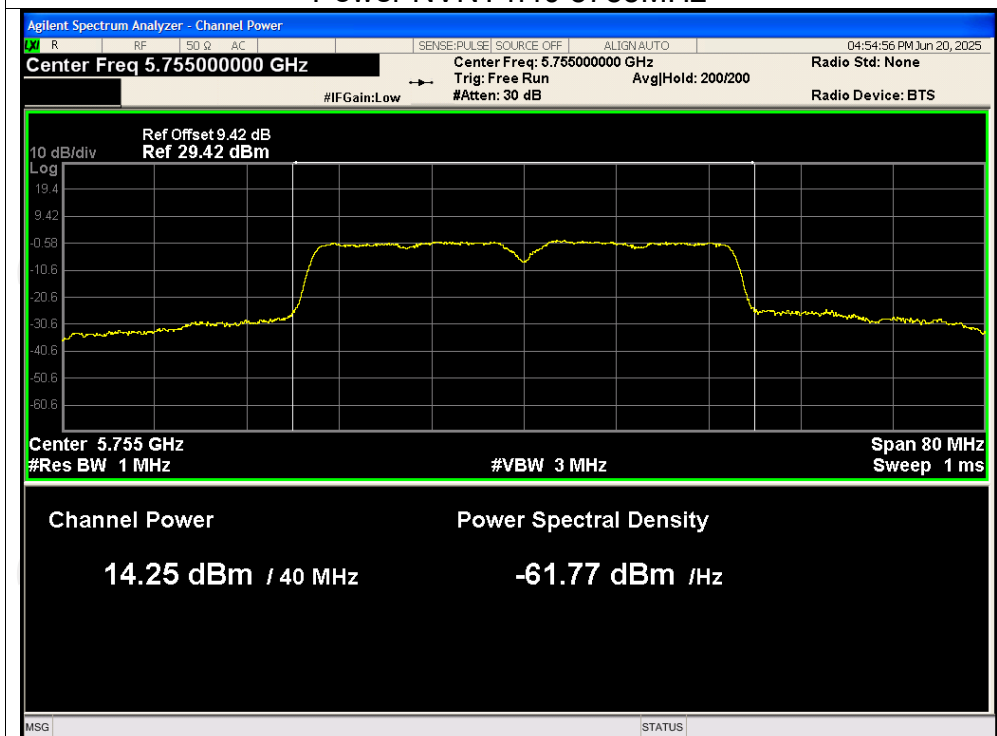


## Power NVNT n20 5825MHz

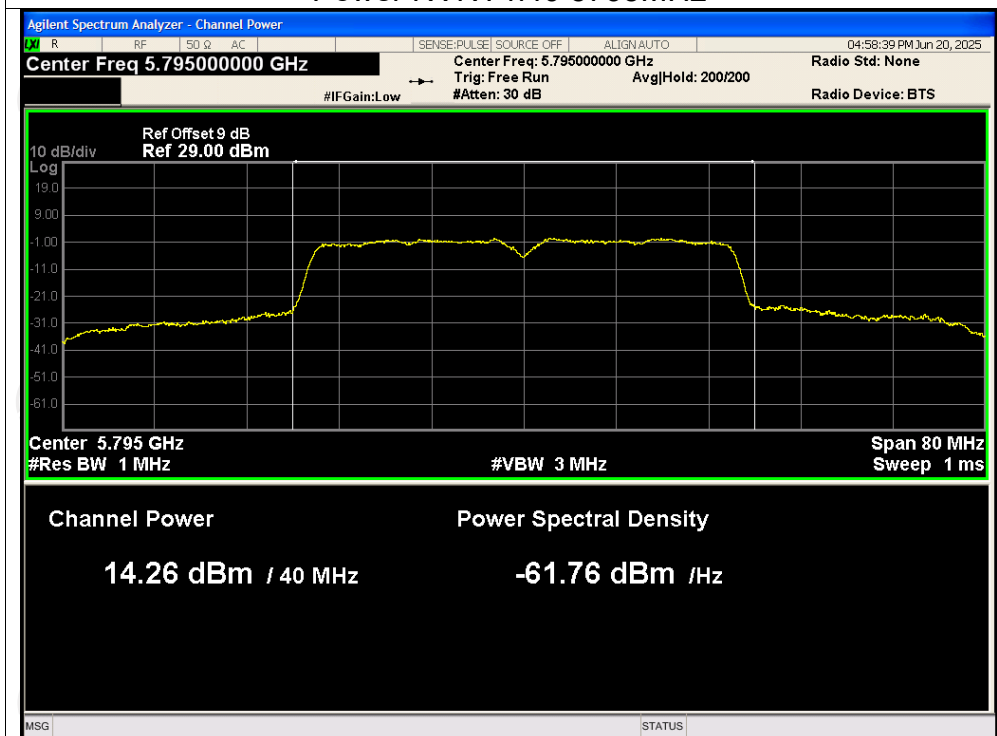




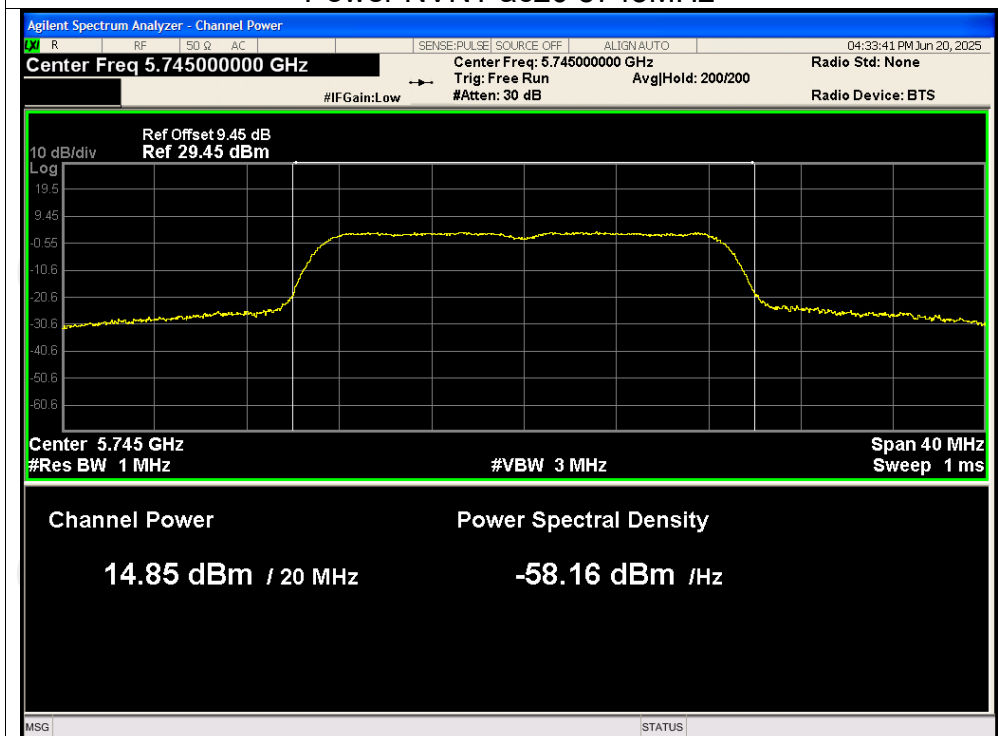
## Power NVNT n40 5755MHz



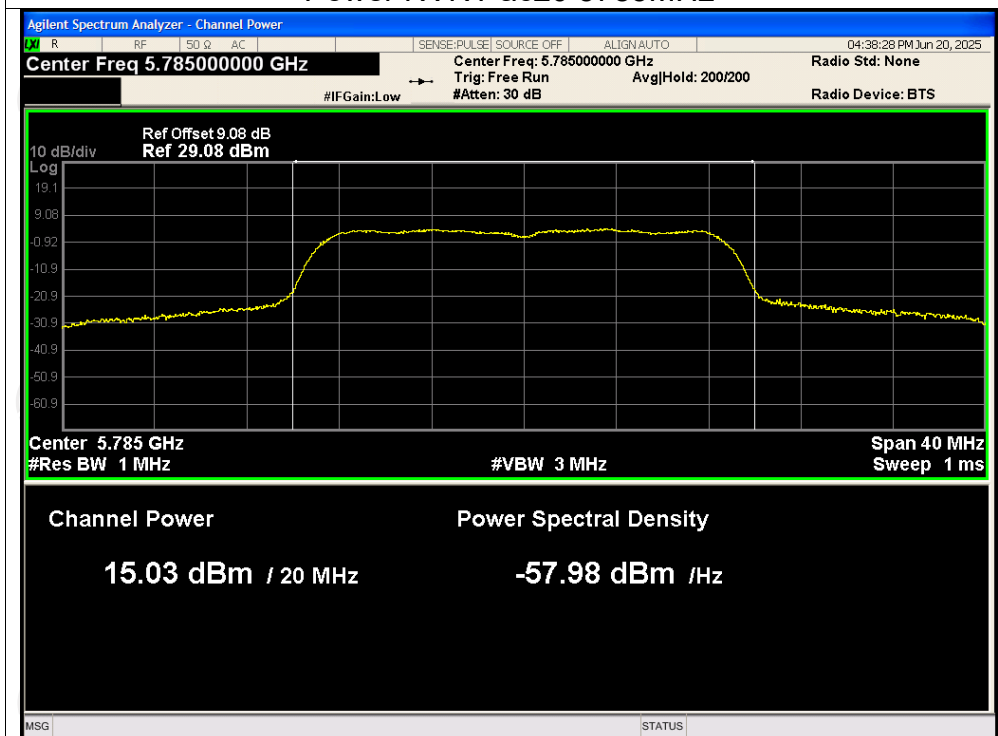
## Power NVNT n40 5795MHz



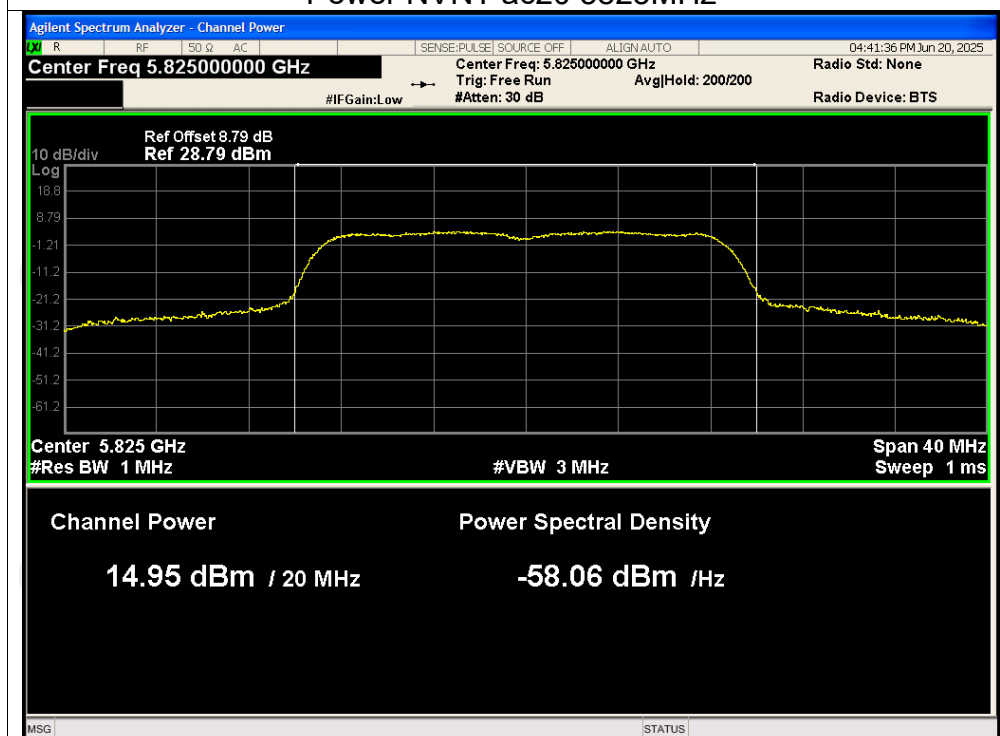
## Power NVNT ac20 5745MHz



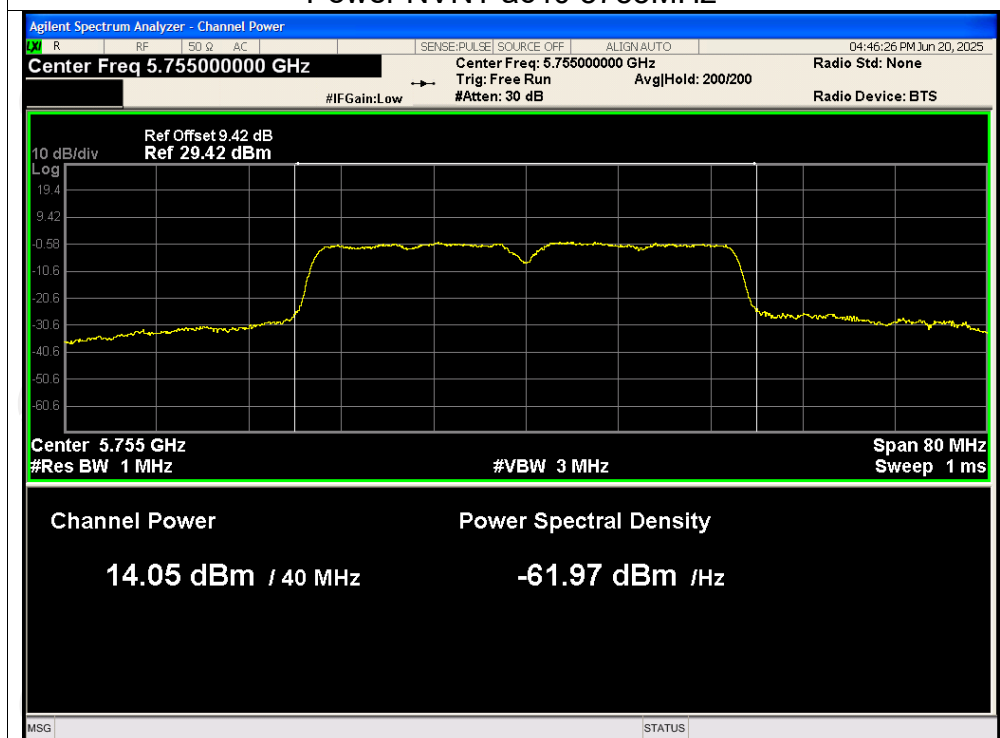
## Power NVNT ac20 5785MHz



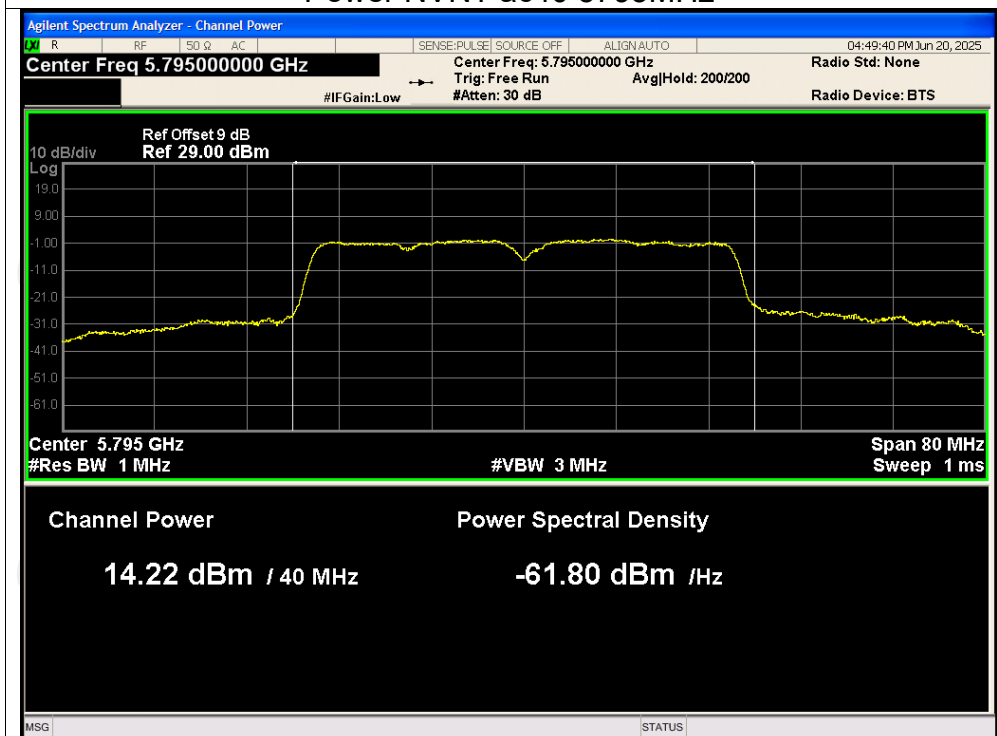
## Power NVNT ac20 5825MHz



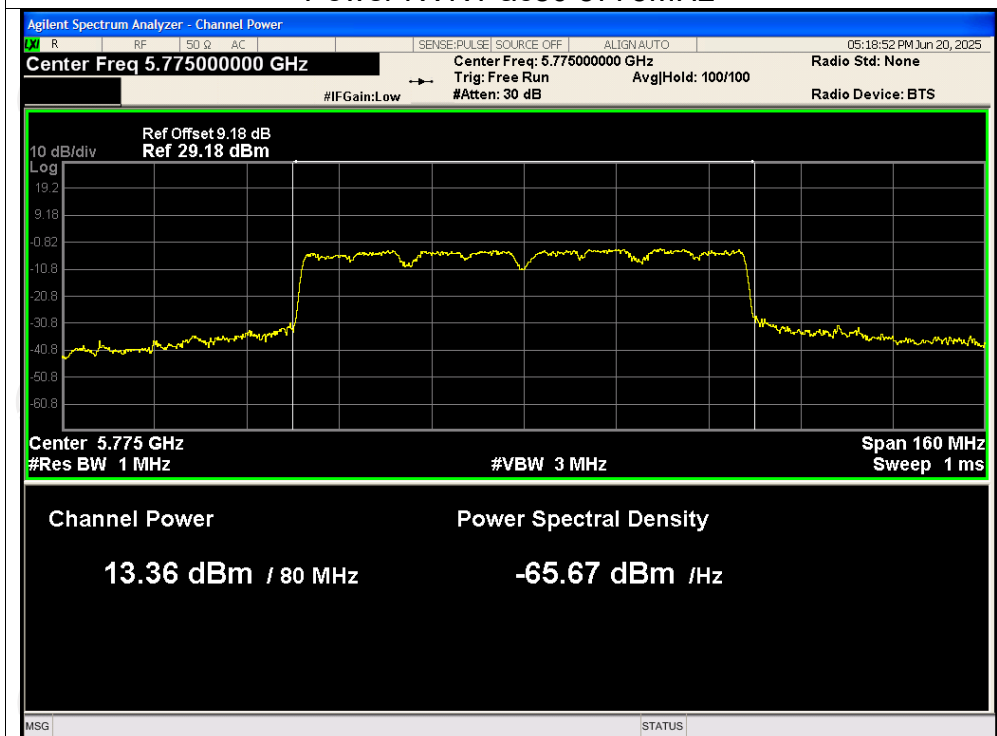
## Power NVNT ac40 5755MHz



## Power NVNT ac40 5795MHz



## Power NVNT ac80 5775MHz

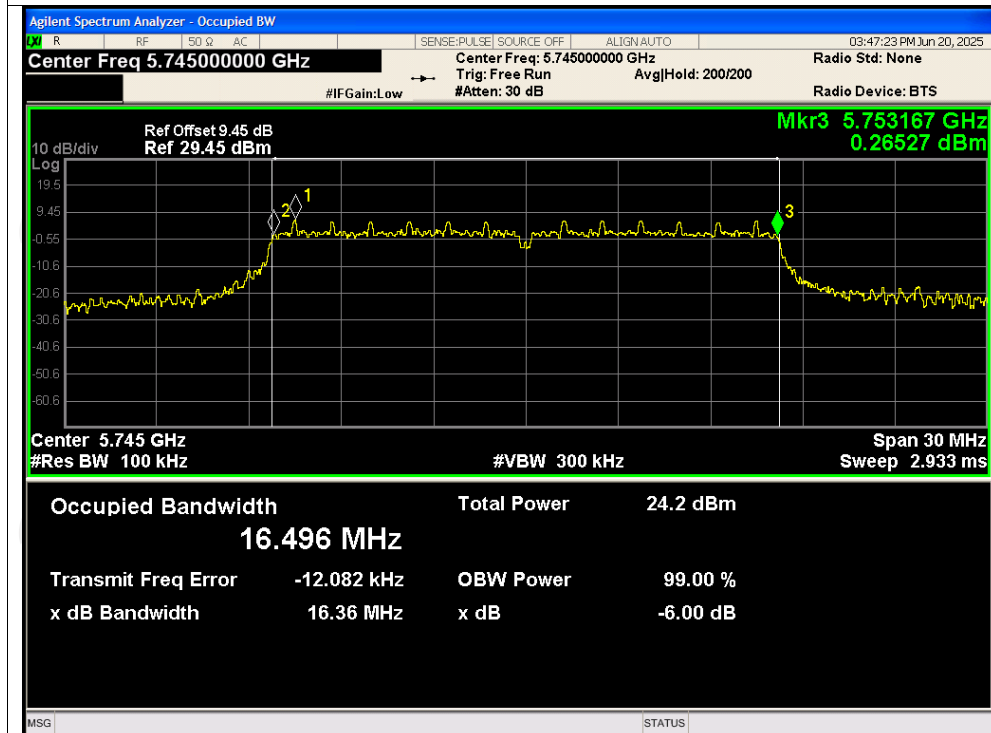


**-6dB Bandwidth**

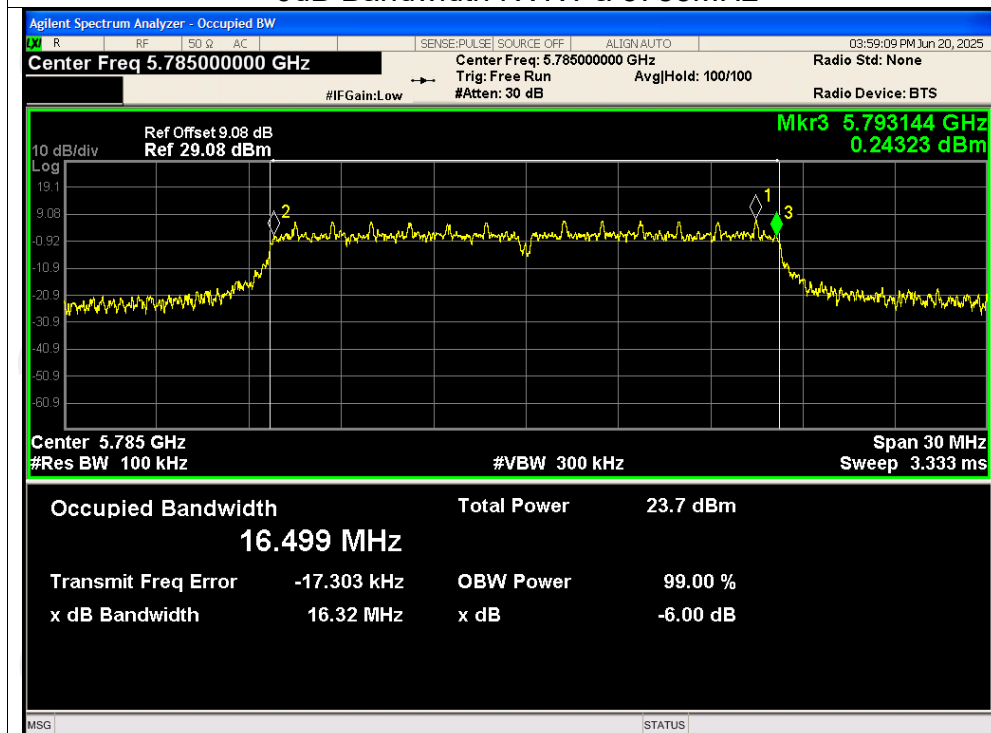
| Condition | Mode | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | 16.36                 | 0.5                         | Pass    |
| NVNT      | a    | 5785            | 16.32                 | 0.5                         | Pass    |
| NVNT      | a    | 5825            | 16.36                 | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | 17.16                 | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | 17.14                 | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | 17.18                 | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | 35.26                 | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | 35.23                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | 17.11                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | 17.16                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | 17.14                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | 35.56                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | 35.27                 | 0.5                         | Pass    |
| NVNT      | ac80 | 5775            | 75.19                 | 0.5                         | Pass    |

## Test Graphs

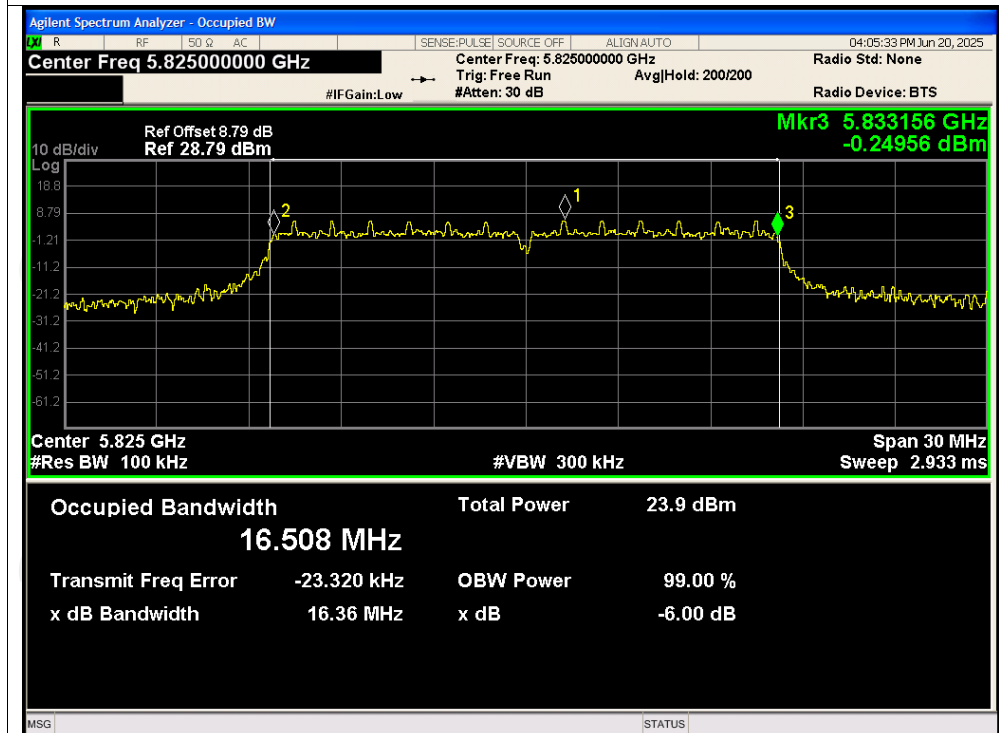
### -6dB Bandwidth NVNT a 5745MHz



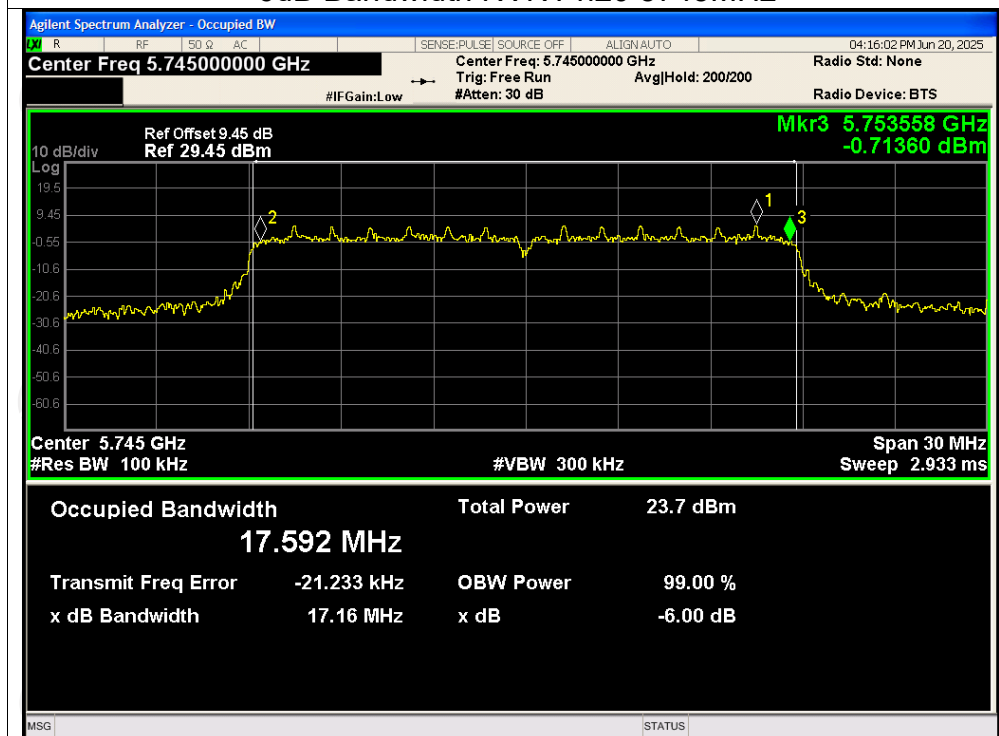
### -6dB Bandwidth NVNT a 5785MHz



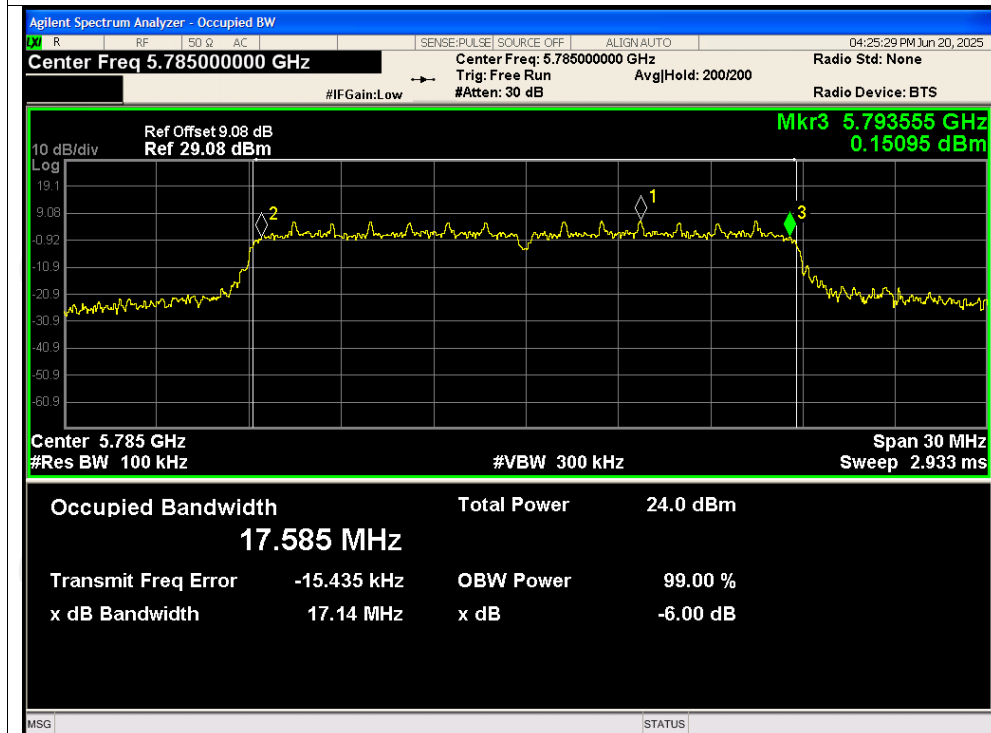
## -6dB Bandwidth NVNT a 5825MHz



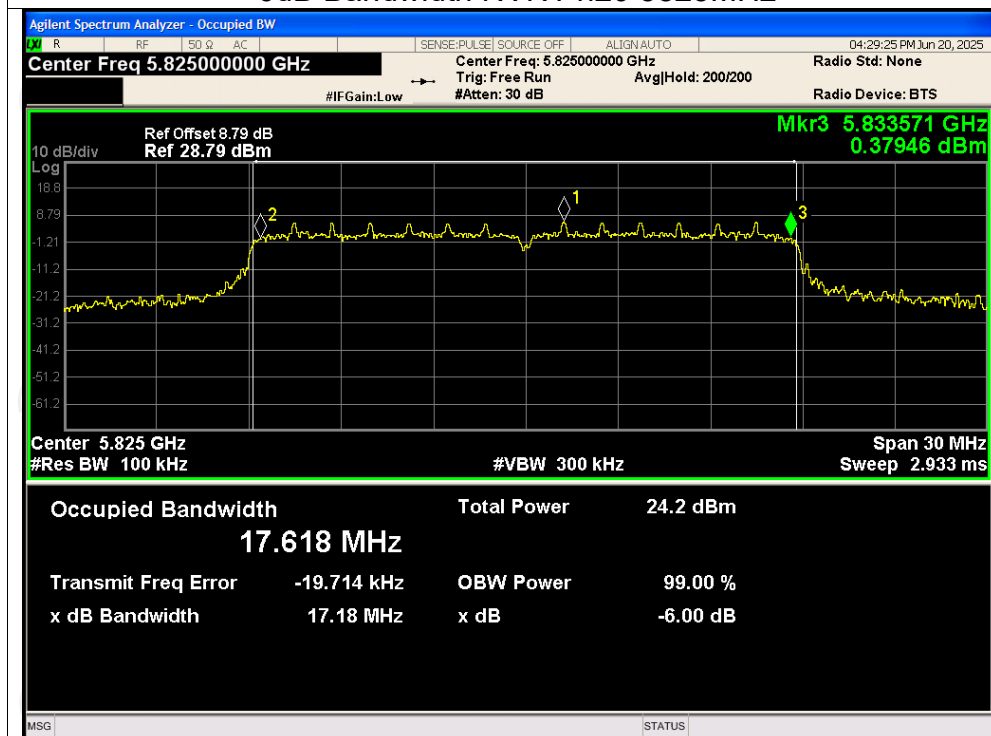
## -6dB Bandwidth NVNT n20 5745MHz



## -6dB Bandwidth NVNT n20 5785MHz

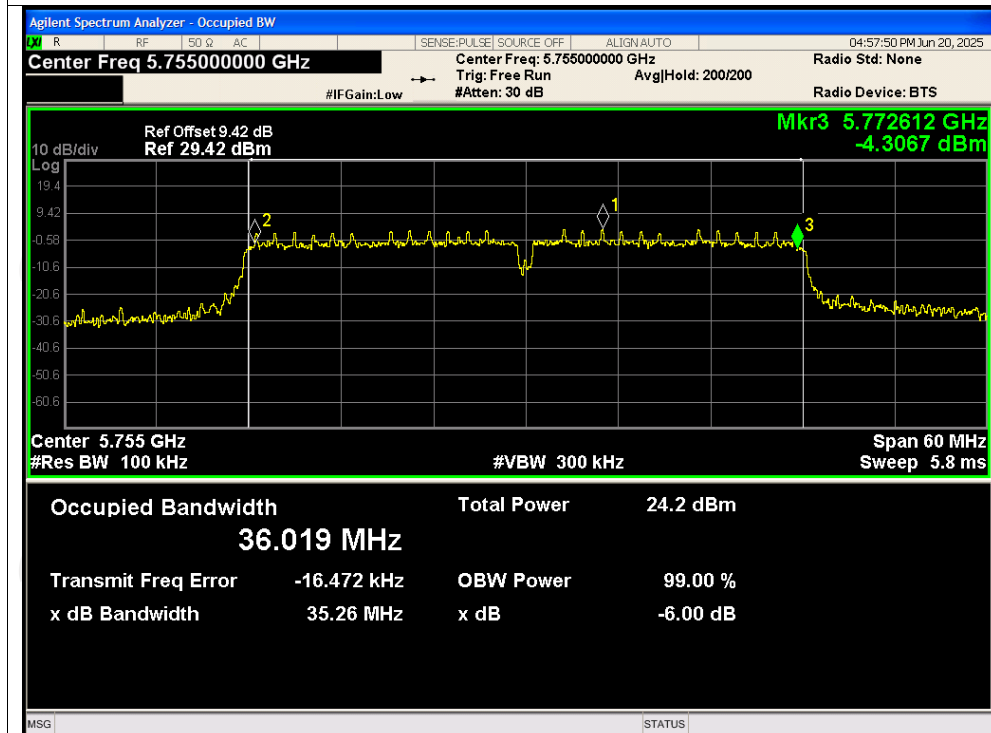


## -6dB Bandwidth NVNT n20 5825MHz

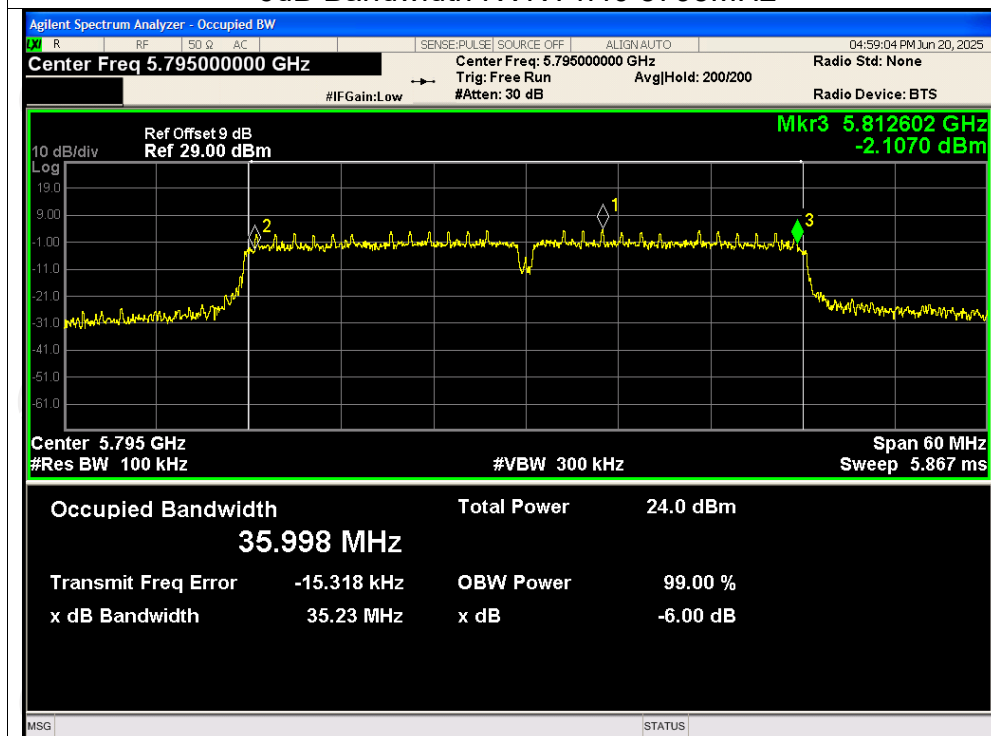




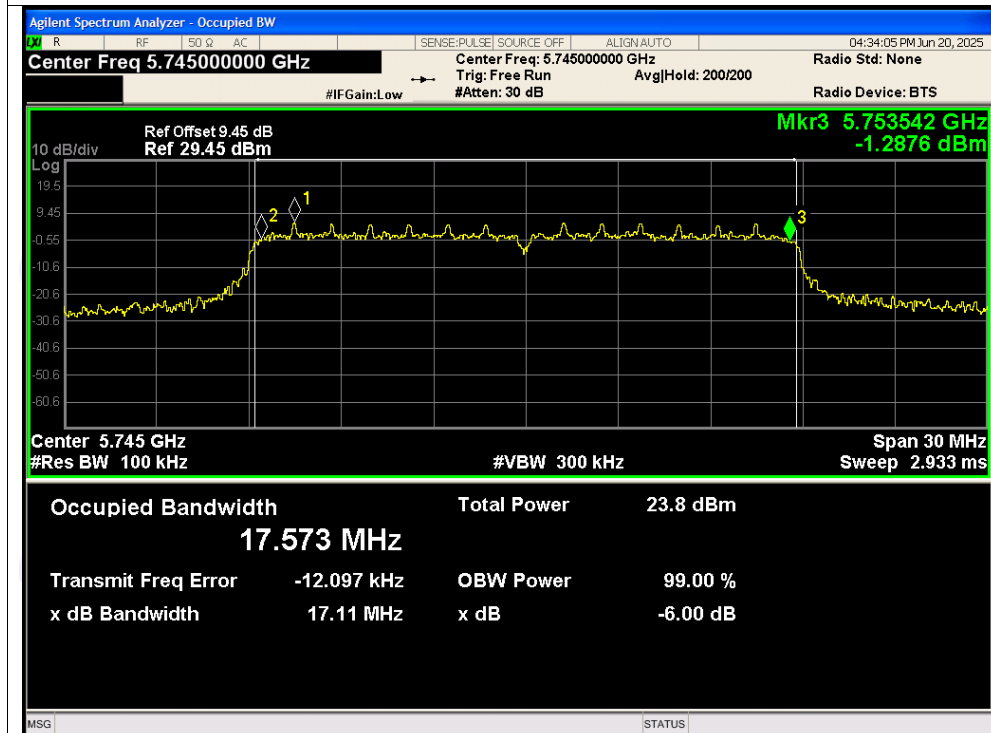
## -6dB Bandwidth NVNT n40 5755MHz



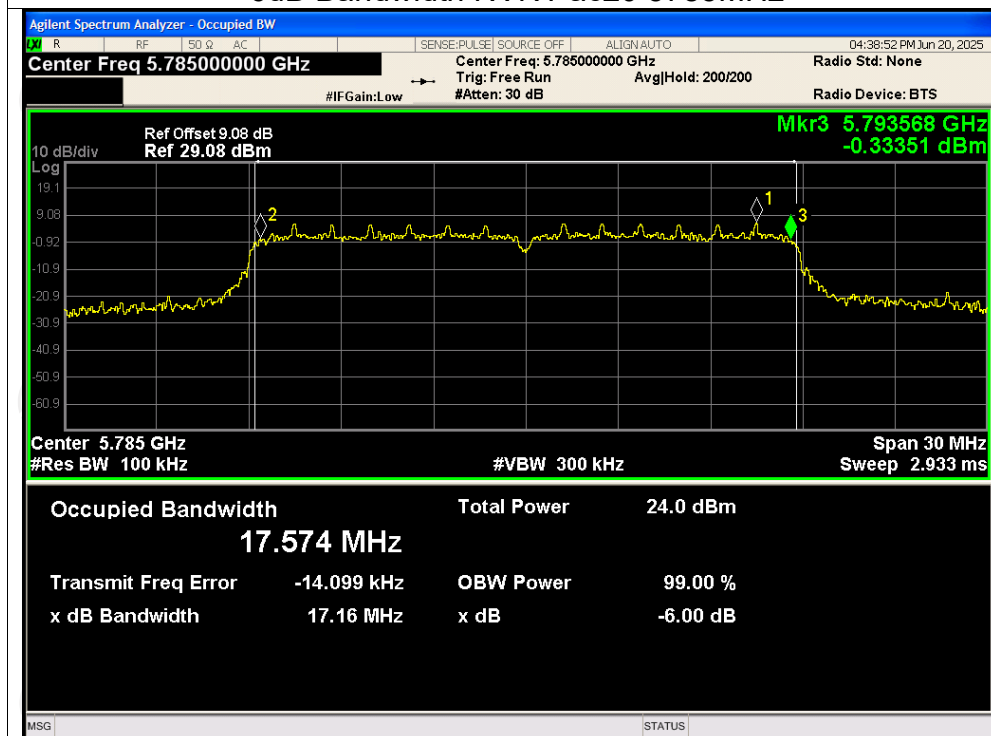
## -6dB Bandwidth NVNT n40 5795MHz



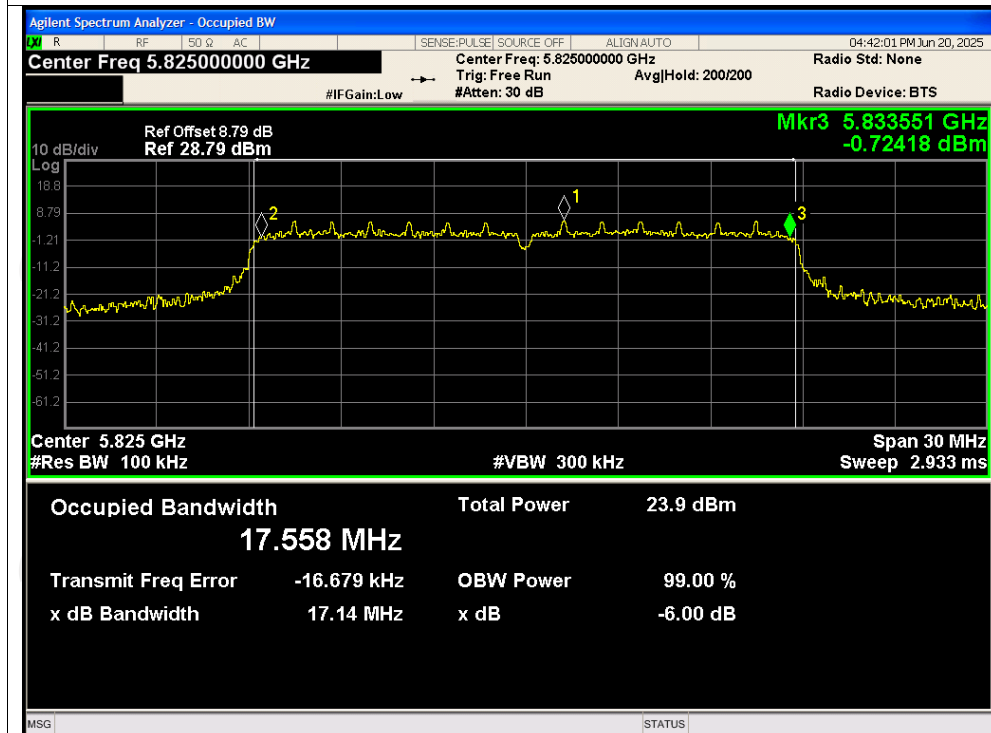
## -6dB Bandwidth NVNT ac20 5745MHz



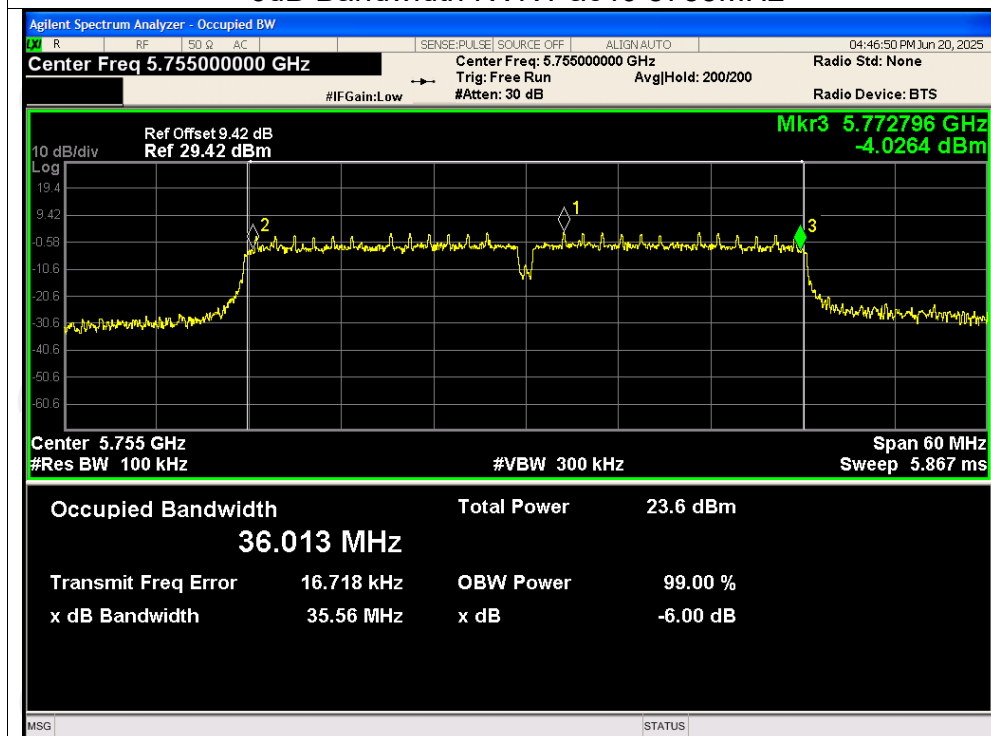
## -6dB Bandwidth NVNT ac20 5785MHz



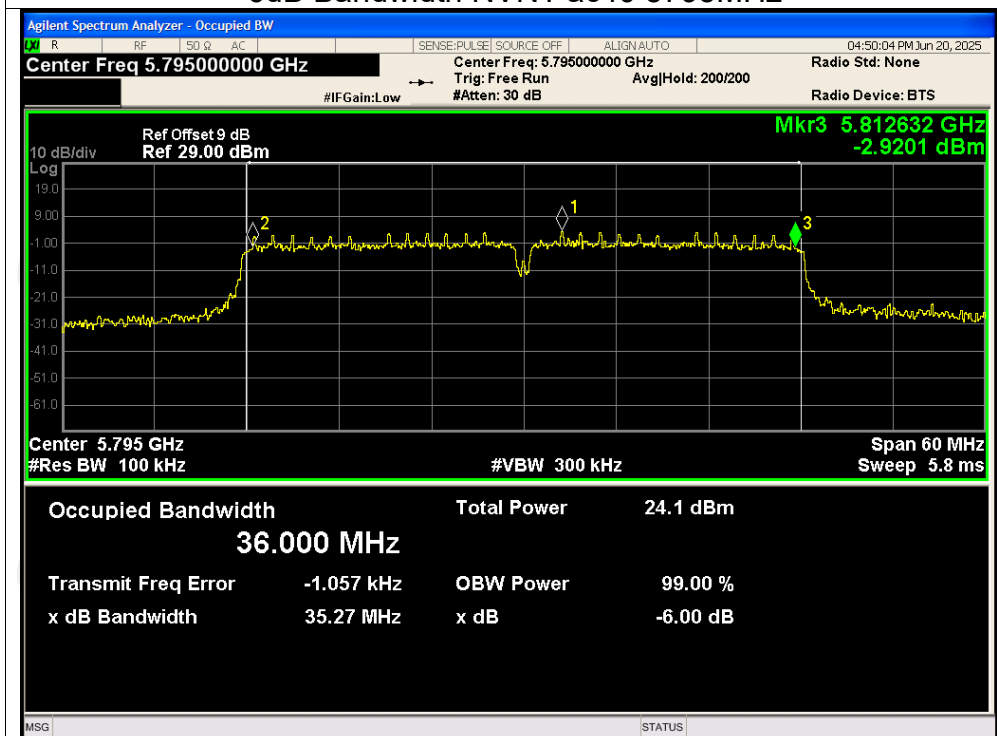
## -6dB Bandwidth NVNT ac20 5825MHz



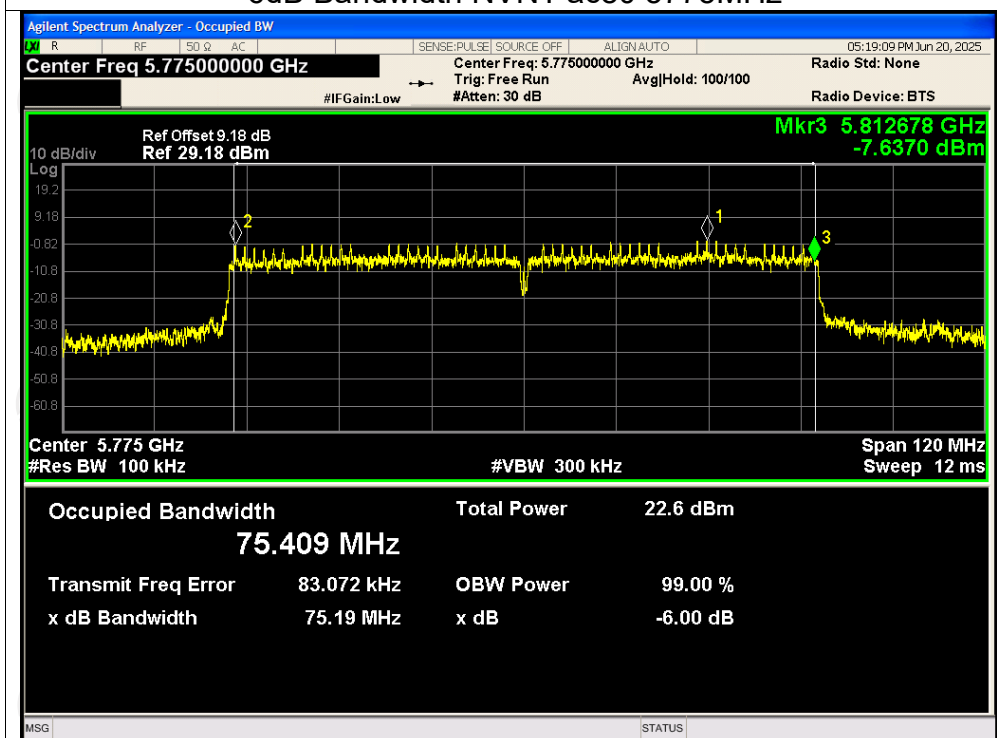
## -6dB Bandwidth NVNT ac40 5755MHz



## -6dB Bandwidth NVNT ac40 5795MHz



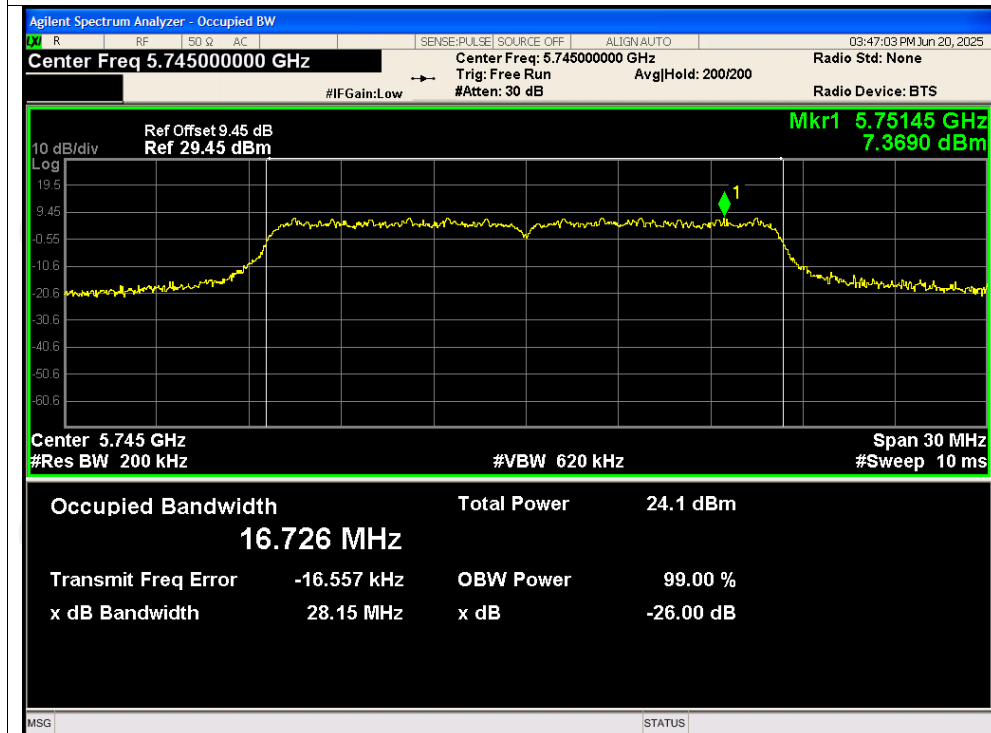
## -6dB Bandwidth NVNT ac80 5775MHz



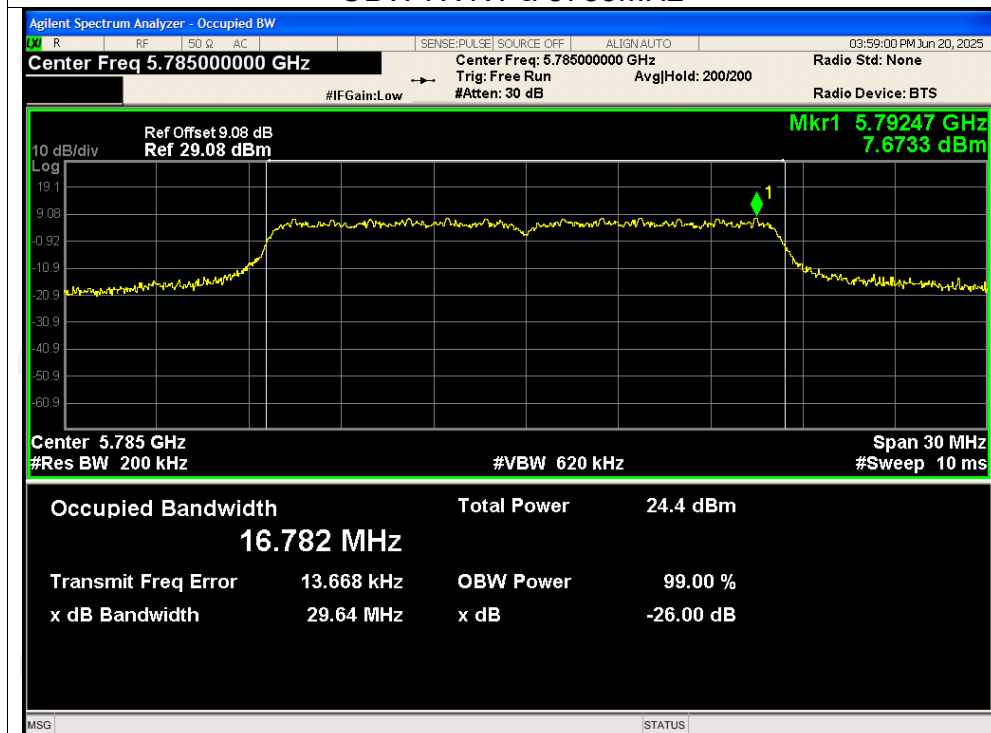
**Occupied Channel Bandwidth**

| Condition | Mode | Frequency (MHz) | 99% OBW (MHz) | -26 dB Bandwidth (MHz) |
|-----------|------|-----------------|---------------|------------------------|
| NVNT      | a    | 5745            | 16.726        | 28.15                  |
| NVNT      | a    | 5785            | 16.782        | 29.64                  |
| NVNT      | a    | 5825            | 16.730        | 28.27                  |
| NVNT      | n20  | 5745            | 17.655        | 24.19                  |
| NVNT      | n20  | 5785            | 17.718        | 29.25                  |
| NVNT      | n20  | 5825            | 17.704        | 28.96                  |
| NVNT      | n40  | 5755            | 36.239        | 51.16                  |
| NVNT      | n40  | 5795            | 36.293        | 53.61                  |
| NVNT      | ac20 | 5745            | 17.674        | 28.27                  |
| NVNT      | ac20 | 5785            | 17.648        | 28.12                  |
| NVNT      | ac20 | 5825            | 17.682        | 27.67                  |
| NVNT      | ac40 | 5755            | 36.235        | 50.21                  |
| NVNT      | ac40 | 5795            | 36.167        | 48.06                  |
| NVNT      | ac80 | 5775            | 75.720        | 100.7                  |

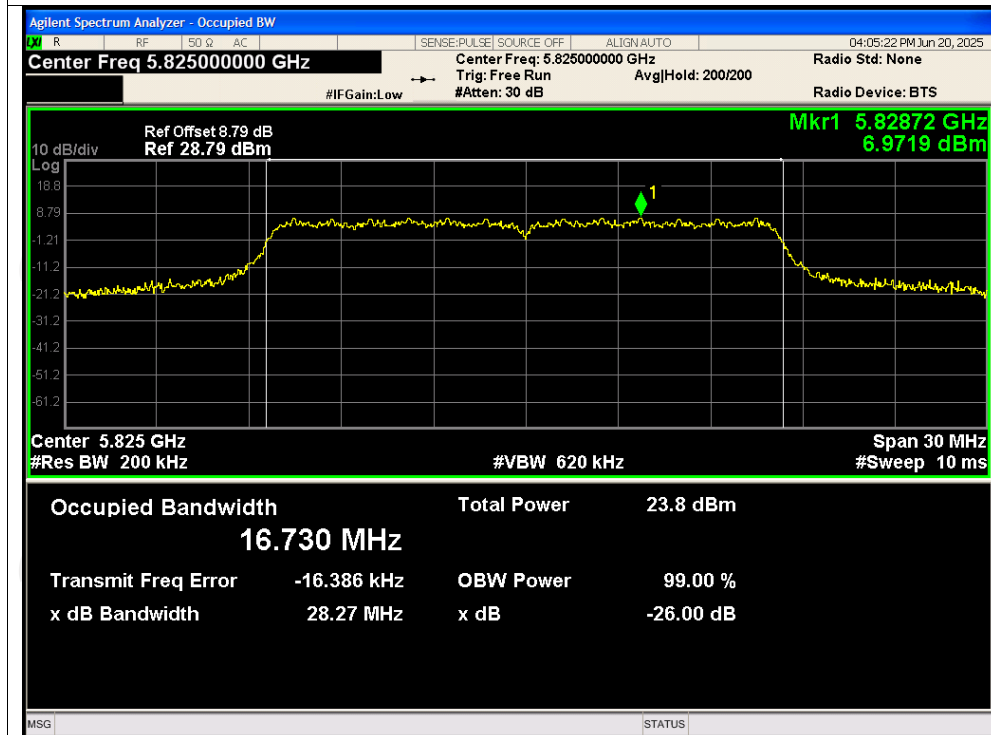
## Test Graphs OBW NVNT a 5745MHz



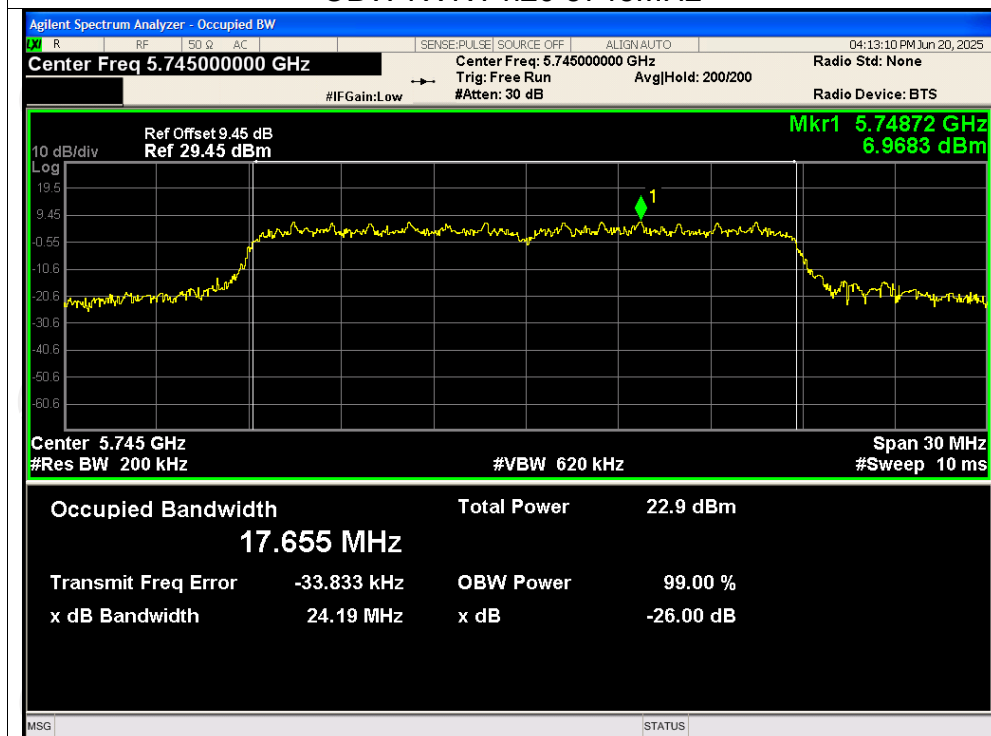
## OBW NVNT a 5785MHz



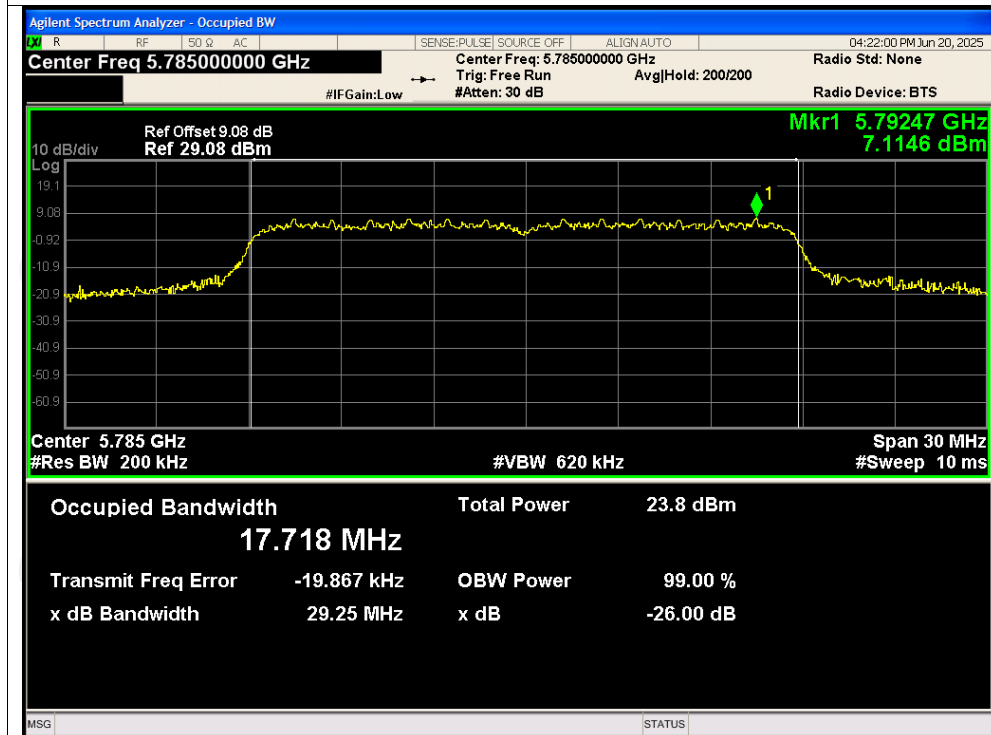
## OBW NVNT a 5825MHz



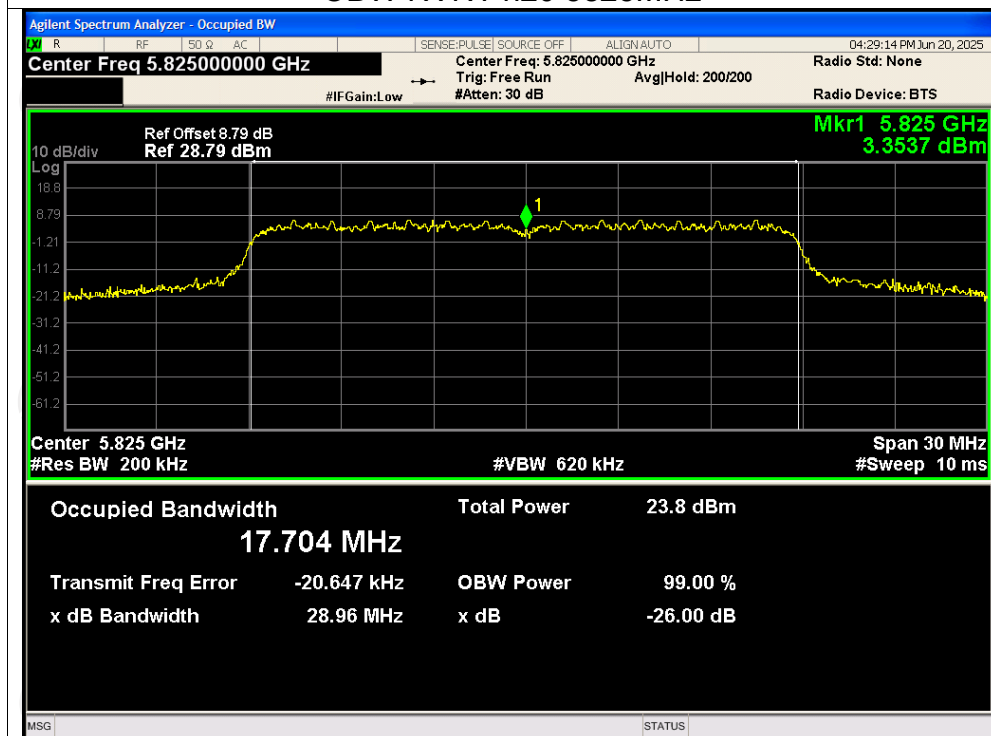
## OBW NVNT n20 5745MHz



## OBW NVNT n20 5785MHz

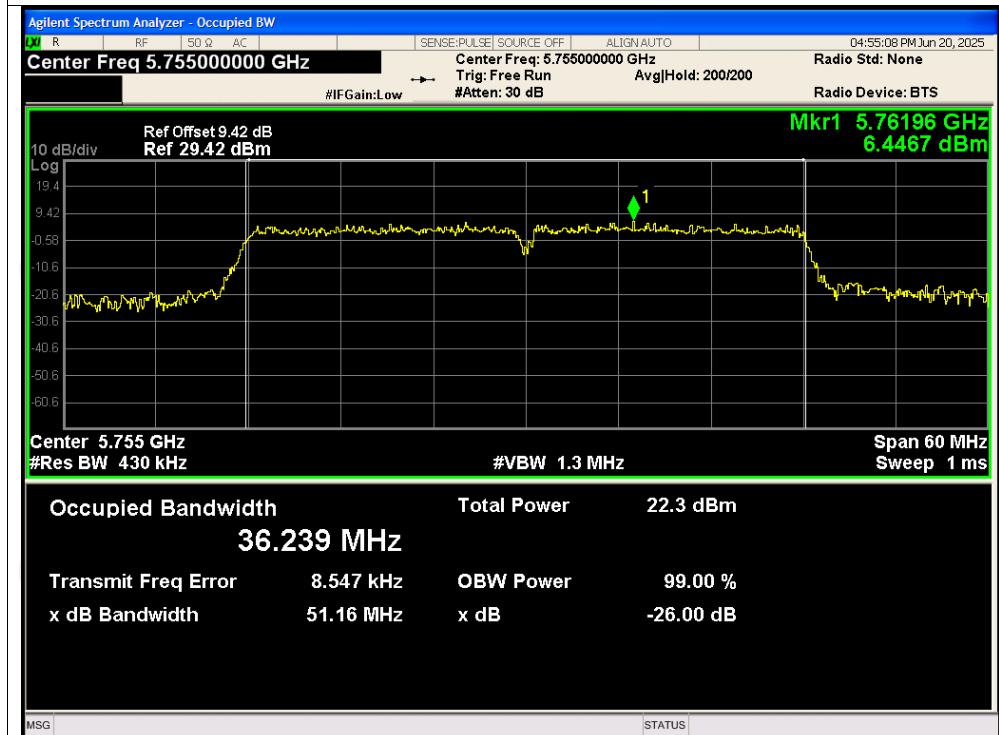


## OBW NVNT n20 5825MHz

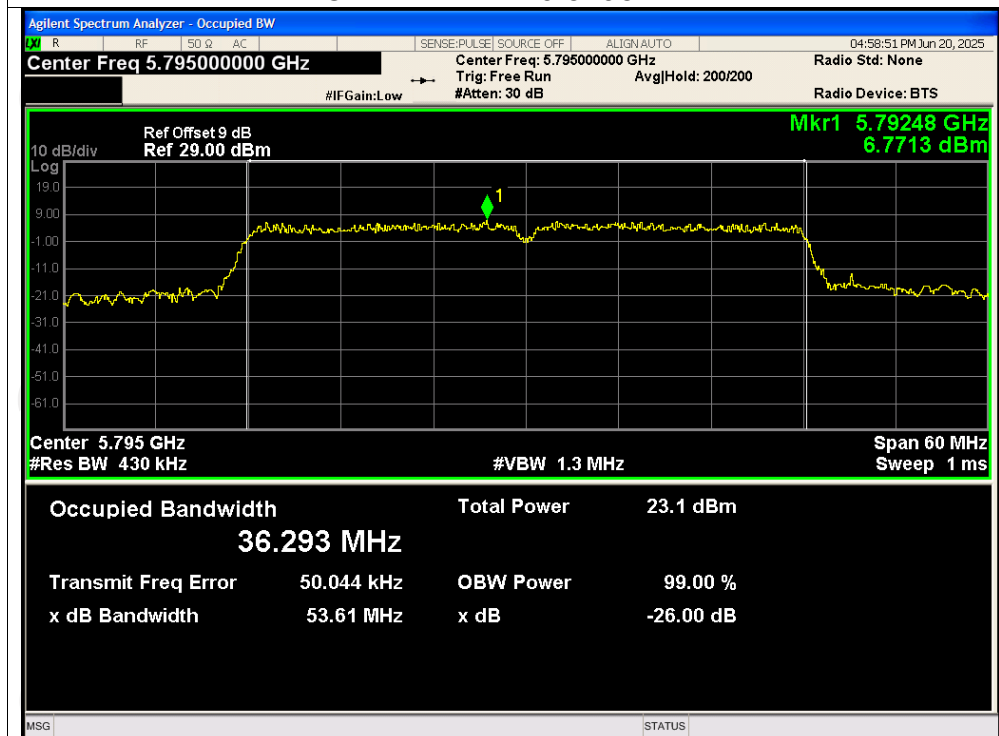




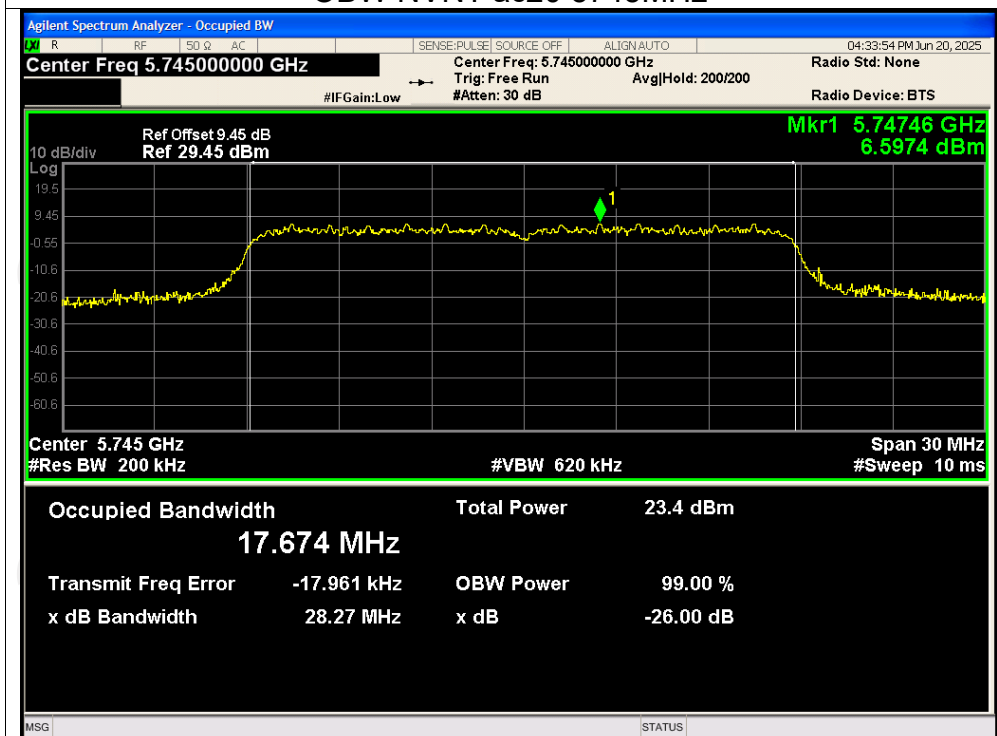
## OBW NVNT n40 5755MHz



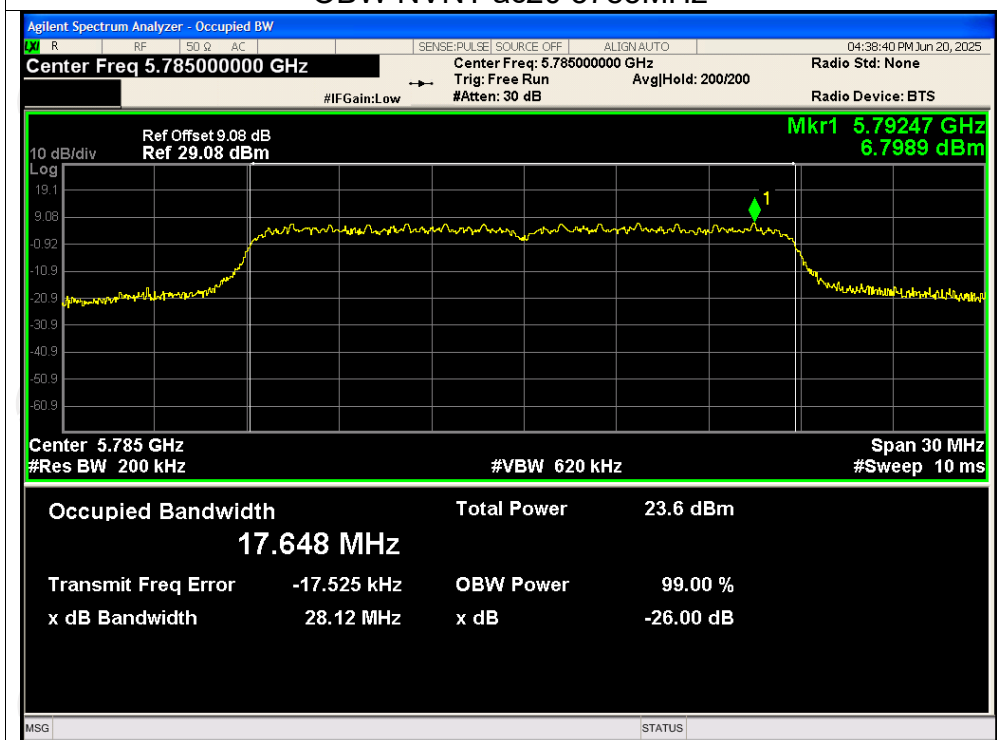
## OBW NVNT n40 5795MHz



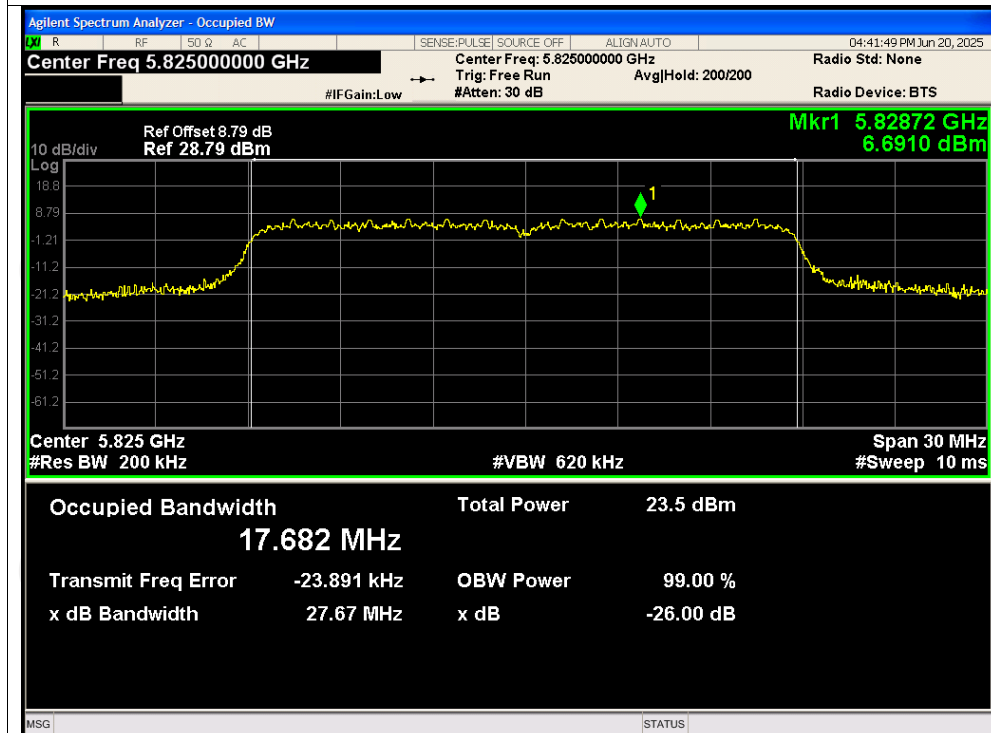
## OBW NVNT ac20 5745MHz



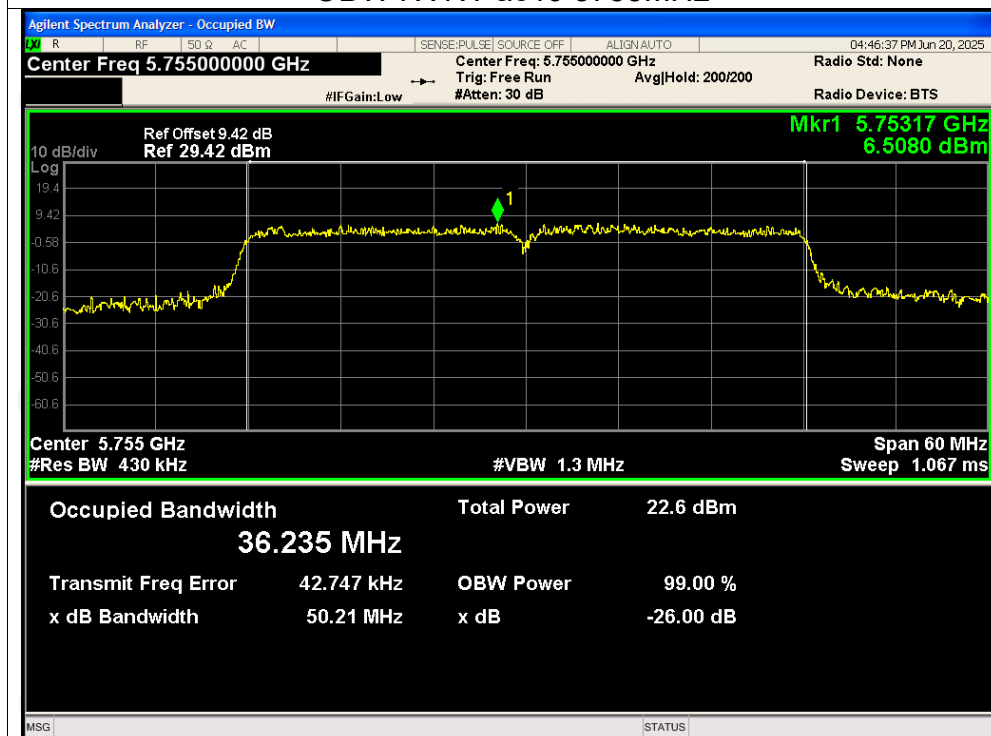
## OBW NVNT ac20 5785MHz



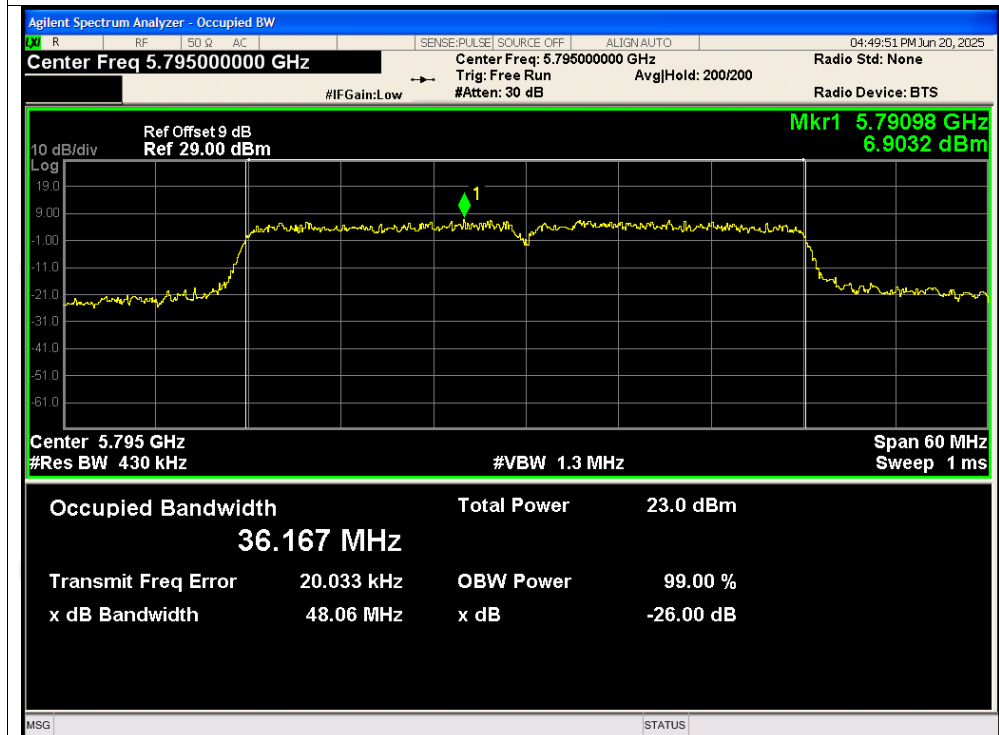
## OBW NVNT ac20 5825MHz



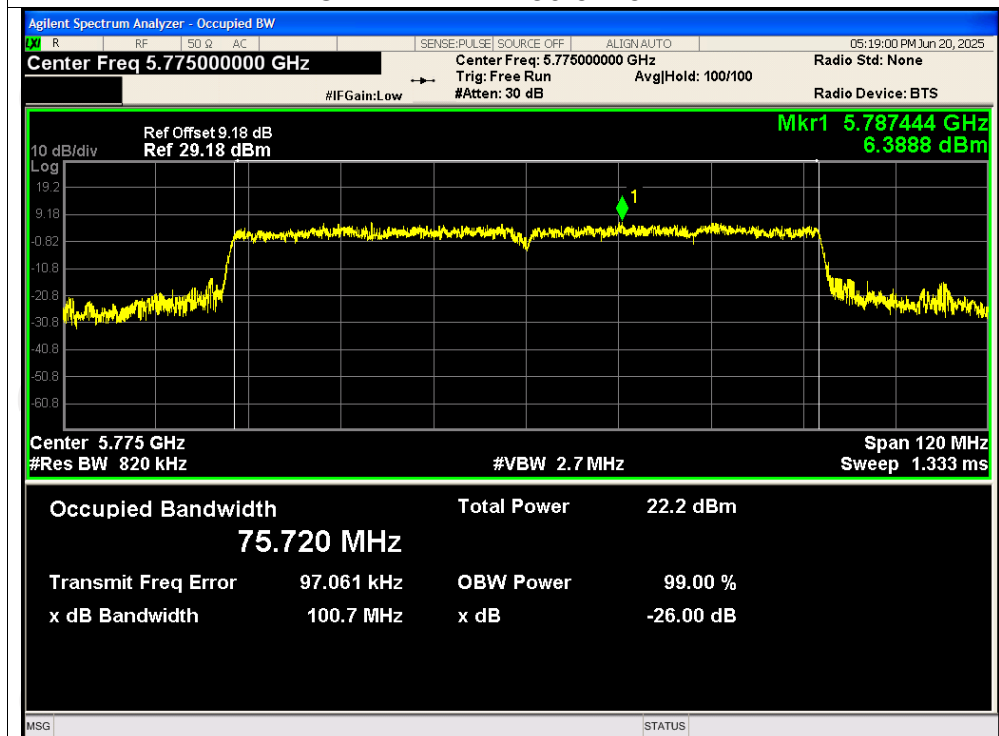
## OBW NVNT ac40 5755MHz



## OBW NVNT ac40 5795MHz



## OBW NVNT ac80 5775MHz



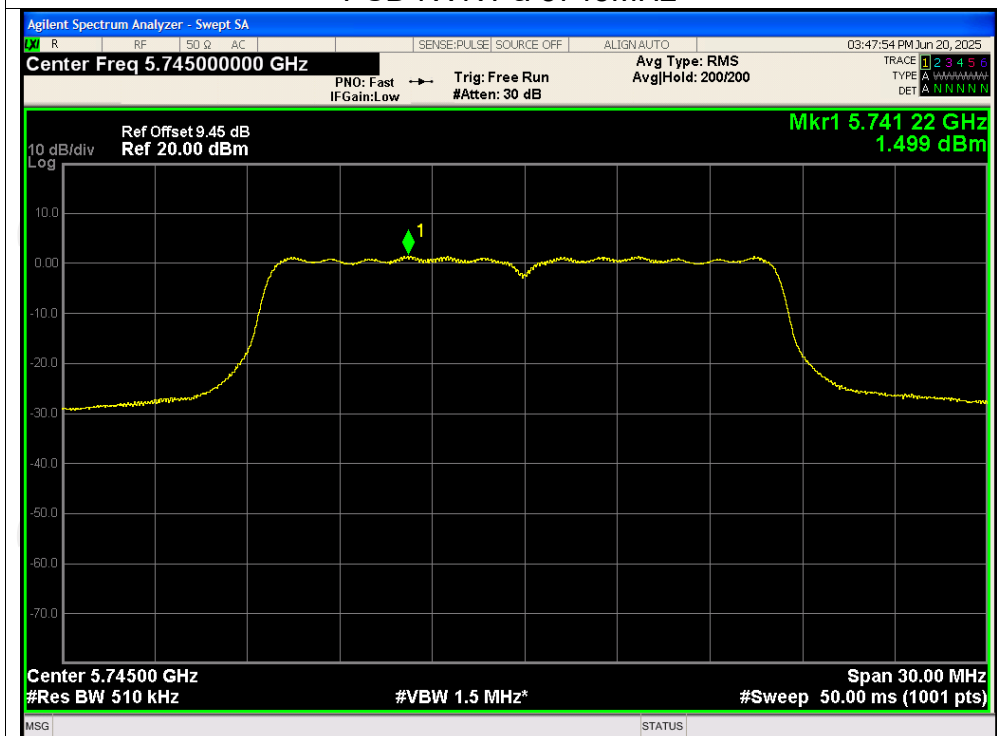
## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Conducted PSD (dBm/510kHz) | Conducted PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
|-----------|------|-----------------|----------------------------|----------------------------|--------------------|---------|
| NVNT      | a    | 5745            | 1.50                       | 1.41                       | 30                 | Pass    |
| NVNT      | a    | 5785            | 2.22                       | 2.13                       | 30                 | Pass    |
| NVNT      | a    | 5825            | 1.73                       | 1.64                       | 30                 | Pass    |
| NVNT      | n20  | 5745            | -0.25                      | -0.34                      | 30                 | Pass    |
| NVNT      | n20  | 5785            | 1.79                       | 1.70                       | 30                 | Pass    |
| NVNT      | n20  | 5825            | 1.57                       | 1.48                       | 30                 | Pass    |
| NVNT      | n40  | 5755            | -1.61                      | -1.70                      | 30                 | Pass    |
| NVNT      | n40  | 5795            | -1.52                      | -1.61                      | 30                 | Pass    |
| NVNT      | ac20 | 5745            | 1.32                       | 1.23                       | 30                 | Pass    |
| NVNT      | ac20 | 5785            | 1.62                       | 1.53                       | 30                 | Pass    |
| NVNT      | ac20 | 5825            | 1.48                       | 1.39                       | 30                 | Pass    |
| NVNT      | ac40 | 5755            | -2.39                      | -2.48                      | 30                 | Pass    |
| NVNT      | ac40 | 5795            | -2.00                      | -2.09                      | 30                 | Pass    |
| NVNT      | ac80 | 5775            | -4.79                      | -4.88                      | 30                 | Pass    |

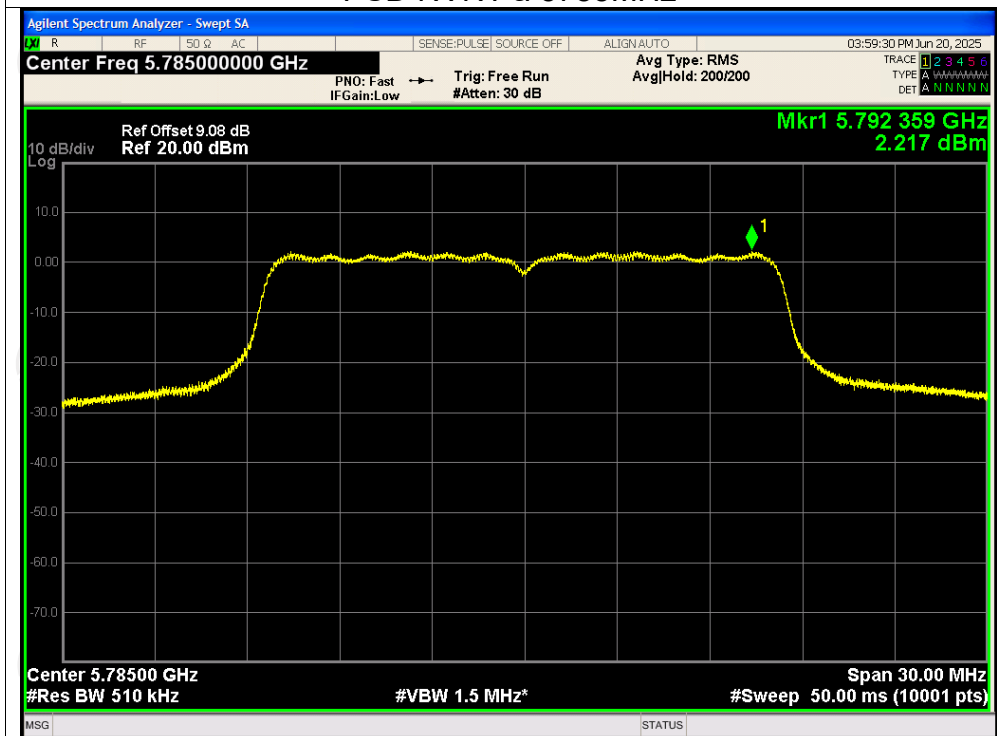
Note: Conducted PSD[dBm/500kHz] = Conducted PSD[dBm/510kHz] + 10log(500kHz/510kHz)

## Test Graphs

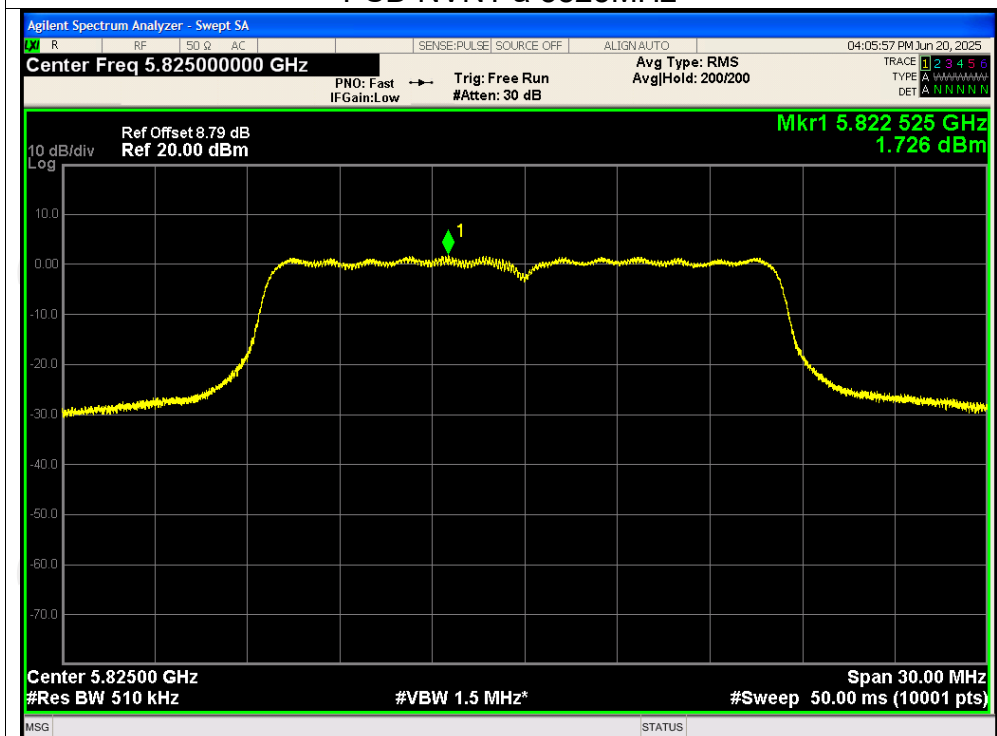
### PSD NVNT a 5745MHz



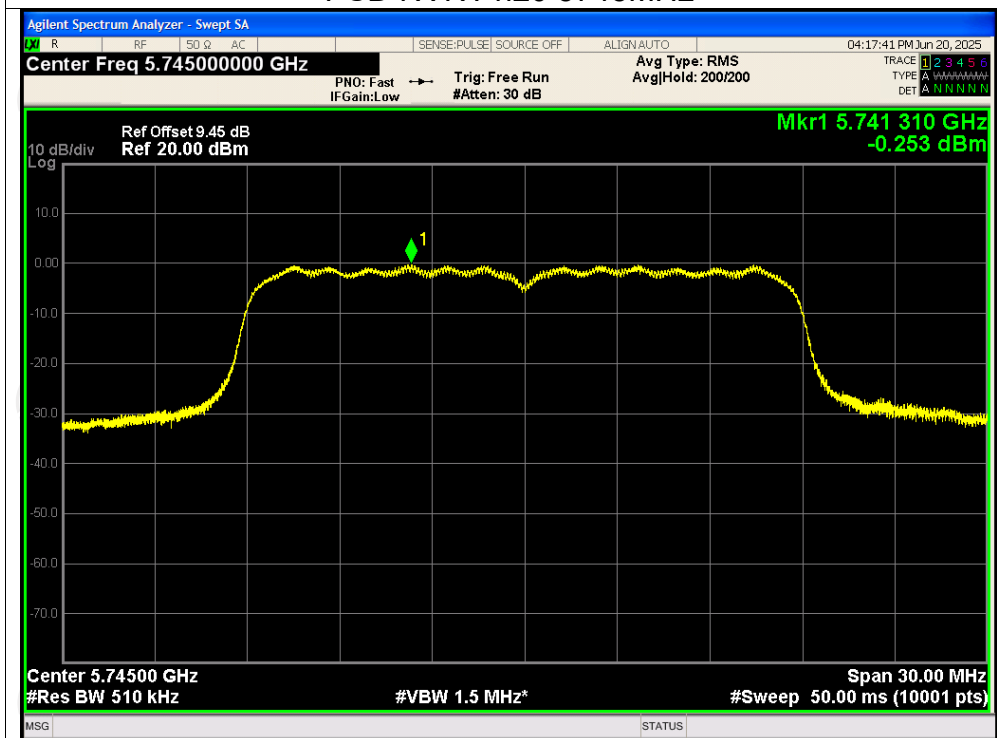
### PSD NVNT a 5785MHz



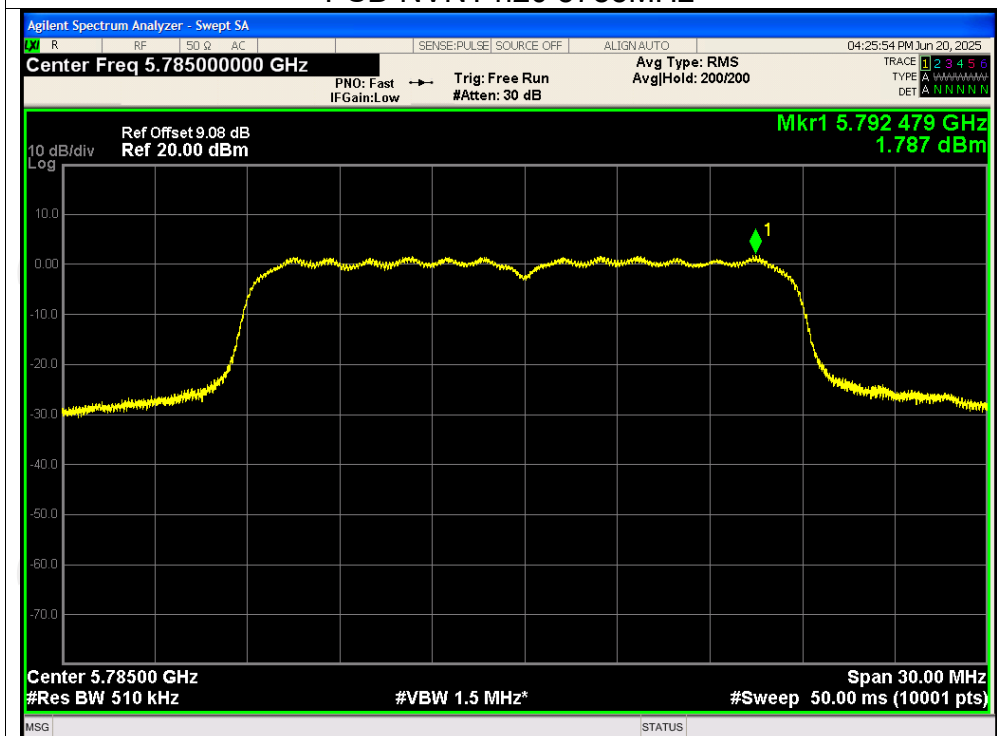
## PSD NVNT a 5825MHz



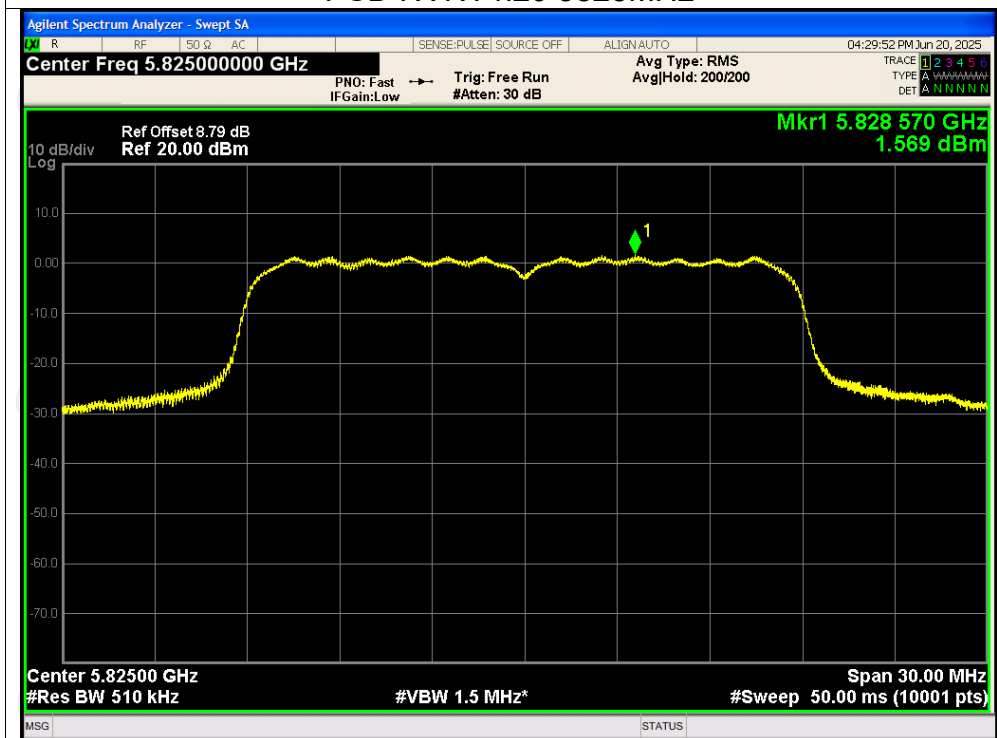
## PSD NVNT n20 5745MHz



## PSD NVNT n20 5785MHz

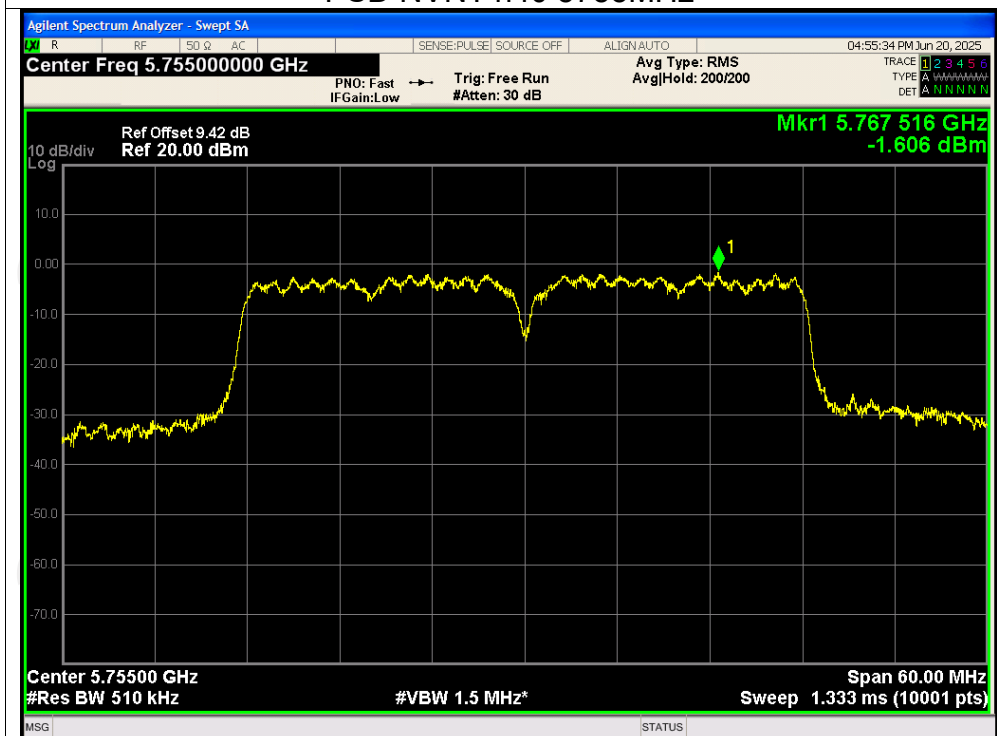


## PSD NVNT n20 5825MHz

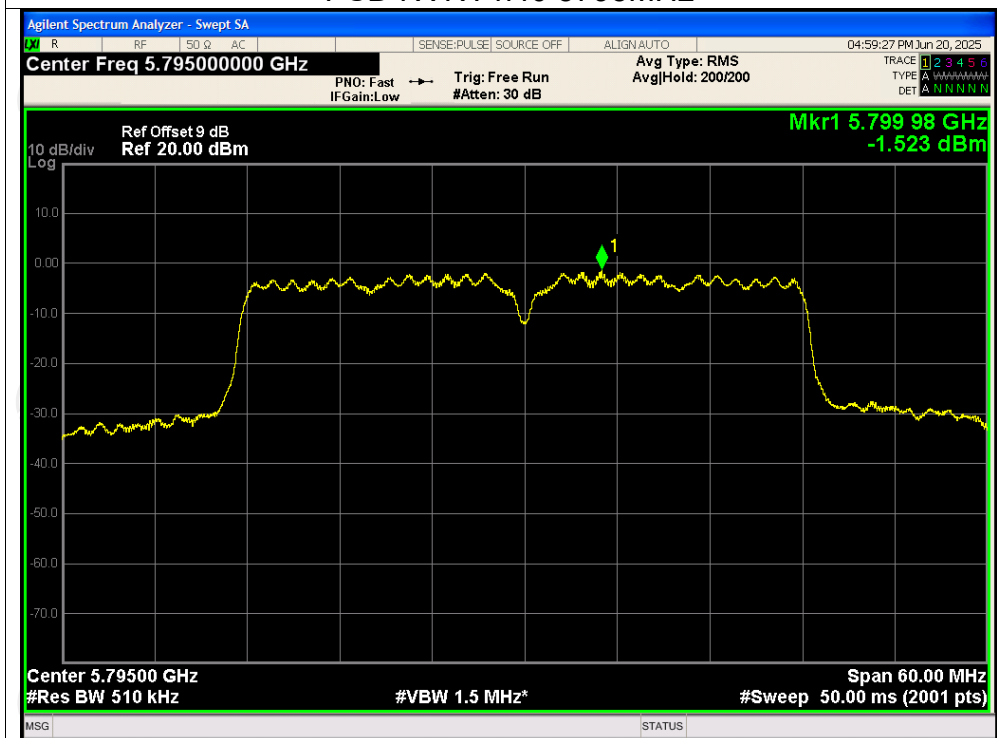




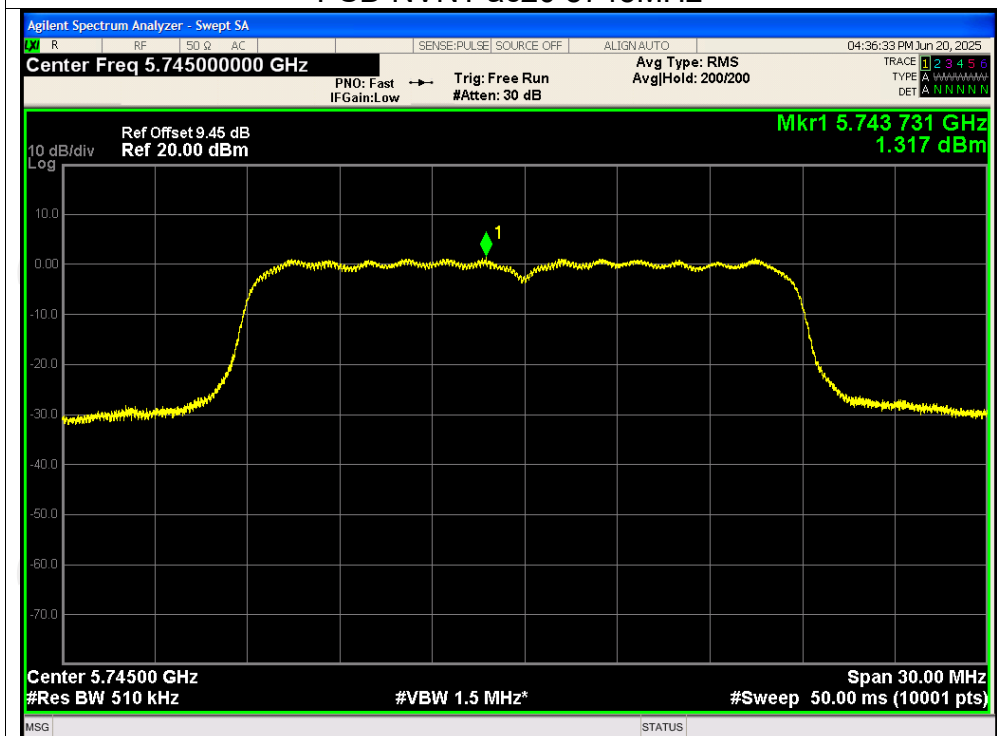
## PSD NVNT n40 5755MHz



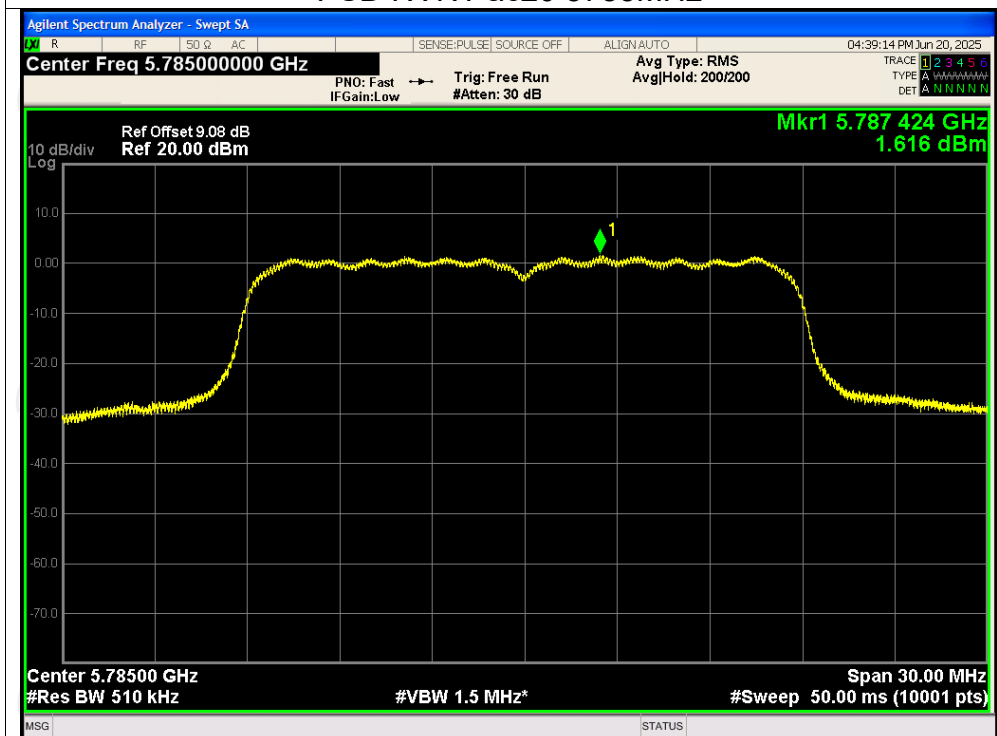
## PSD NVNT n40 5795MHz



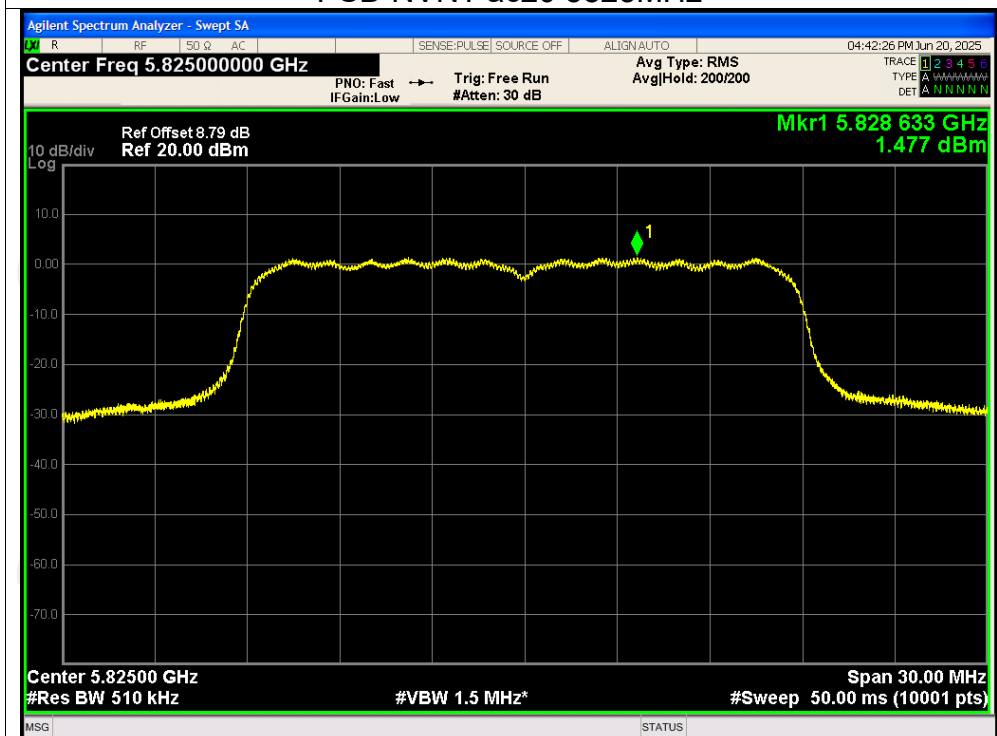
## PSD NVNT ac20 5745MHz



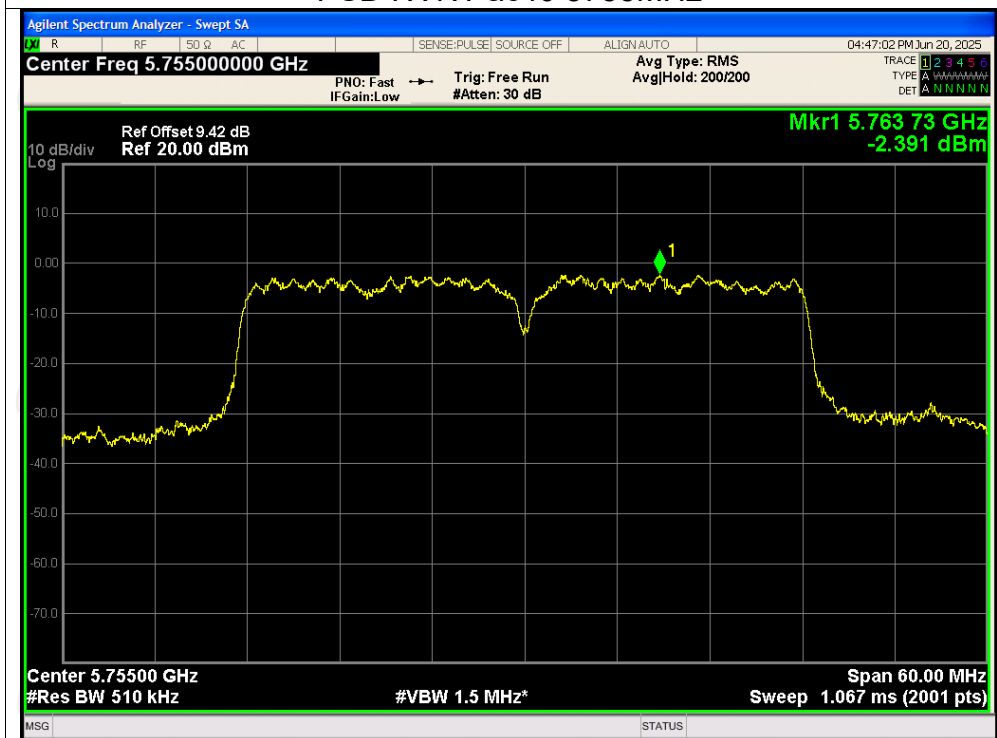
## PSD NVNT ac20 5785MHz



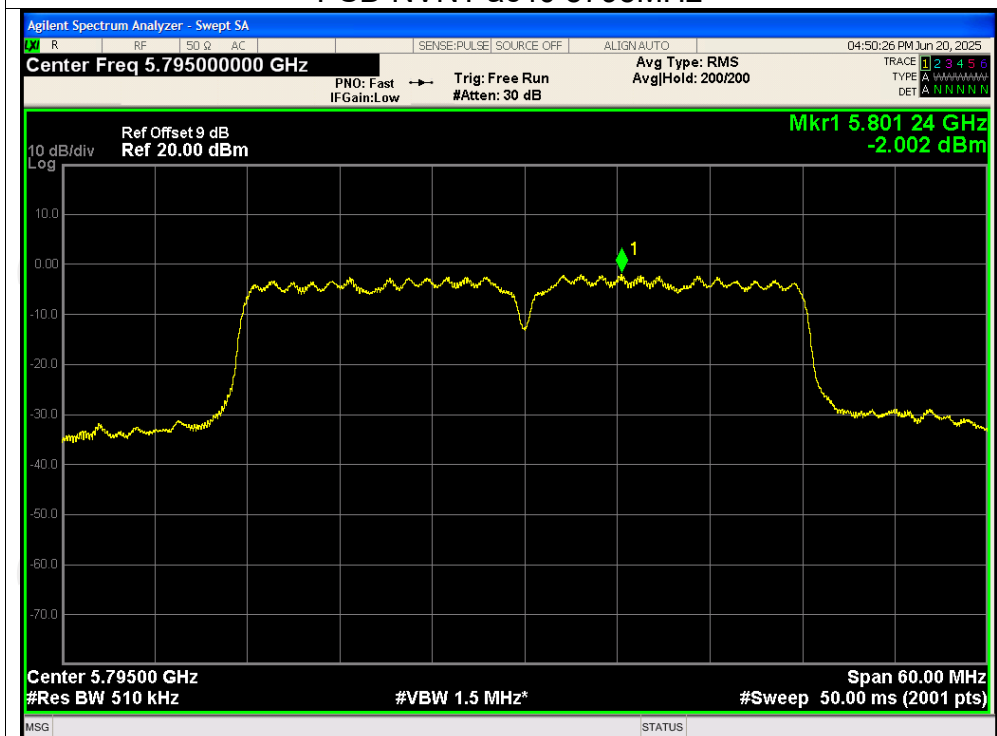
## PSD NVNT ac20 5825MHz



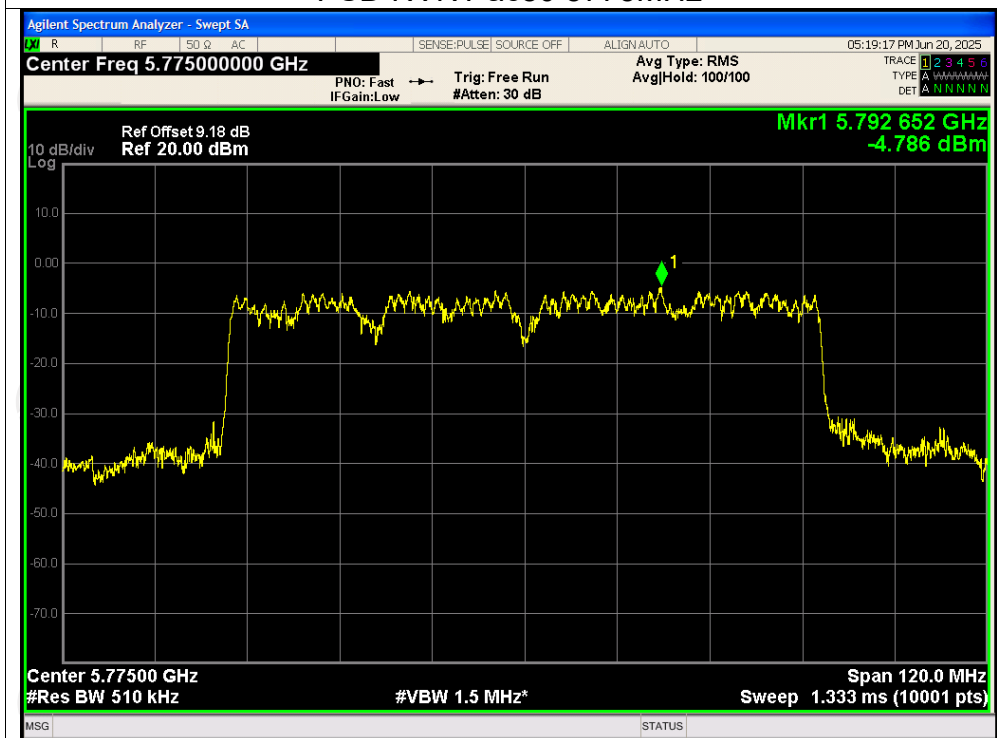
## PSD NVNT ac40 5755MHz



## PSD NVNT ac40 5795MHz



## PSD NVNT ac80 5775MHz



## Appendix B: Photographs of Test Setup

Please refer to document Appendix No.: TCT250617E004-A

## Appendix C: Photographs of EUT

Please refer to document Appendix No.: TCT250617E004-B & TCT250617E004-C

**\*\*\*\*\*END OF REPORT\*\*\*\*\***