



Report No: TWN2606521-04E

Applicant: YAU WAI TRADING

Product: EVPAD Player

Model No: EVPAD-13S, EVPAD-13P, EVPAD-13 PLUS,  
EVBOX-13MAX, EPLAY-13G

Trademark: EVPAD

Test Standards: FCC Part 15 Subpart E, Paragraph 15.407

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15 Subpart C, Paragraph 15.247 regulations for the evaluation of electromagnetic compatibility

Approved By

*Terry Tang*



Terry Tang

Manager

Dated: July 14, 2026

**Results appearing herein relate only to the sample tested**

**The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

**SHENZHEN TIMEWAY TESTING LABORATORIES**

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

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### **Special Statement:**

#### **FCC-Registration No.: 744189**

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

#### **ISED —Registration No.:5205A**

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with Registration No.: 5205A.

#### **A2LA (Certification Number:5013.01)**

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

#### **CAB identifier: CN0033**

#### **FCC Designation Number: CN1251**

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## 1.0 General Details

### 1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.  
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China  
Telephone: (755) 83448688  
Fax: (755) 83442996  
Site Listed with Federal Communications commission (FCC)  
Registration Number: 744189  
For 3m Anechoic Chamber  
Site Listed with ISED of Ottawa, Canada  
Registration Number: IC: 5205A  
For 3m Anechoic Chamber

### 1.2 Applicant Details

Applicant: YAU WAI TRADING  
Address: WORKSHOP NO. 14, 4TH FLOOR LAURELS INDUSTRIAL CENTRE NO. 32 TAI YAU STREET KOWLOON, HONG KONG, China

### 1.3 Description of EUT

Product: EVPAD Player  
Manufacturer: YAU WAI TRADING  
Address: WORKSHOP NO. 14, 4TH FLOOR LAURELS INDUSTRIAL CENTRE NO. 32 TAI YAU STREET KOWLOON, HONG KONG, China  
Trademark: EVPAD  
Additional Trademark: N/A  
Model Number: EVPAD-13S  
Additional Model Number: EVPAD-13P, EVPAD-13 PLUS, EVBOX-13MAX, EPLAY-13G  
Remark: These models are all identical in interior structure, electrical circuits and components, and just the model names and color are different for the marketing requirement.  
Hardware Version: V1.1  
Software Version: V1.0  
Rating: Input: DC5.0V, 2000mA  
Power Supply: Model: QL010-0502000VU  
Input: 100-240V~, 50/60Hz, 0.45A; Output: DC5V, 2A, 10W  
Type of Modulation IEEE 802.11a/n (HT20/HT40): OFDM (64QAM, 16QAM, QPSK, BPSK);  
IEEE 802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)  
IEEE 802.11ax: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM)  
Frequency Band 1: 5180MHz-5240MHz;  
Band 4: 5745MHz-5825MHz  
Air Data Rate IEEE 802.11a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps

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IEEE 802.11n/HT20: mcs0-mcs7  
IEEE 802.11n/HT40: mcs0-mcs7  
IEEE 802.11ac (VHT20, VHT40): NSS1 mcs0-mcs9  
IEEE 802.11ax (HEW20, HEW40): mcs0-mcs11

Antenna: FPC antenna used. The gain of the antennas is 4.22dBi maximum. (Get from the antenna specification provided the applicant)

Test Mode: During testing, EUT was set to 100% duty cycle. 6Mbps air data rate was the worst case for 802.11a mode; mcs0 air data rate was the worst case for 802.11n mode; mcs0 air data rate was the worst case for 802.11ac and 802.11ax mode;

Frequency Selection By software

#### Each Channel Operation Frequency

| Band 1                                                |           |                                                 |           |
|-------------------------------------------------------|-----------|-------------------------------------------------|-----------|
| 802.11a / 11n HT20 /802.11ac VHT20/<br>802.11ac HEW20 |           | 802.11n HT40 /802.11ac VHT40/<br>802.11ax HEW40 |           |
| Channel                                               | Frequency | Channel                                         | Frequency |
| 36                                                    | 5180 MHz  | 38                                              | 5190 MHz  |
| 40                                                    | 5200 MHz  | 46                                              | 5230 MHz  |
| 44                                                    | 5220 MHz  |                                                 |           |
| 48                                                    | 5240 MHz  |                                                 |           |
| Band 4                                                |           |                                                 |           |
| 802.11a / 11n HT20 /802.11ac VHT20/<br>802.11ac HEW20 |           | 802.11n HT40 /802.11ac VHT40/<br>802.11ax HEW40 |           |
| Channel                                               | Frequency | Channel                                         | Frequency |
| 149                                                   | 5745 MHz  | 151                                             | 5755 MHz  |
| 153                                                   | 5765 MHz  | 159                                             | 5795 MHz  |
| 157                                                   | 5785 MHz  |                                                 |           |
| 161                                                   | 5825 MHz  |                                                 |           |

The selected test channels as follows:

| Band 1             |           |              |           |
|--------------------|-----------|--------------|-----------|
| 802.11a / 11n HT20 |           | 802.11n HT40 |           |
| Channel            | Frequency | Channel      | Frequency |
| 36                 | 5180MHz   | 38           | 5190 MHz  |
| 40                 | 5200 MHz  | 46           | 5230 MHz  |
| 48                 | 5240 MHz  |              |           |
| Band 4             |           |              |           |
| 802.11a / 11n HT20 |           | 802.11n HT40 |           |

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| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 149     | 5745 MHz  | 151     | 5755 MHz  |
| 153     | 5765 MHz  | 159     | 5795 MHz  |
| 161     | 5825 MHz  |         |           |

Note: 802.11ac VHT20/VHT40 and 802.11ax HEW20/HEW40 is similar with 802.11n HT20/HT40.

1.4 Submitted Sample:2 Samples

1.5 Test Duration  
2026-06-15 to 2026-07-14

1.6 Test Uncertainty  
Conducted Emissions Uncertainty =3.6dB  
Radiated Emissions below 1GHz Uncertainty =4.7dB  
Radiated Emissions above 1GHz Uncertainty =6.0dB  
Conducted Power Uncertainty =6.0dB  
Occupied Channel Bandwidth Uncertainty =5%  
Note: The measurement uncertainty is for coverage factor of  $k=2$  and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing



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| 2.0 Test Equipment |              |                  |              |              |            |
|--------------------|--------------|------------------|--------------|--------------|------------|
| Instrument Type    | Manufacturer | Model            | Serial No.   | Date of Cal. | Due Date   |
| ESPI Test Receiver | R&S          | ESPI 3           | 100379       | 2026-07-08   | 2027-07-07 |
| LISN               | R&S          | EZH3-Z5          | 100294       | 2026-07-08   | 2027-07-07 |
| LISN               | R&S          | EZH3-Z5          | 100253       | 2026-07-08   | 2027-07-07 |
| Impuls-Begrenzer   | R&S          | ESH3-Z2          | 100281       | 2026-07-08   | 2027-07-07 |
| Loop Antenna       | EMCO         | 6507             | 00078608     | 2026-07-08   | 2027-07-07 |
| Spectrum           | R&S          | FSIQ26           | 100292       | 2026-07-08   | 2027-07-07 |
| Horn Antenna       | A-INFO       | LB-180400-KF     | J211060660   | 2025-07-17   | 2028-07-16 |
| Horn Antenna       | R&S          | BBHA 9120D       | 9120D-631    | 2025-07-17   | 2028-07-16 |
| Power meter        | Anritsu      | ML2487A          | 6K00003613   | 2026-07-08   | 2027-07-07 |
| Power sensor       | Anritsu      | MA2491A          | 32263        | 2026-07-08   | 2027-07-07 |
| Bilog Antenna      | Schwarebeck  | VULB9163         | 9163/340     | 2025-07-17   | 2028-07-16 |
| 9*6*6 Anechoic     | --           | --               | N/A          | 2025-07-11   | 2028-07-10 |
| EMI Test Receiver  | RS           | ESVB             | 826156/011   | 2026-07-08   | 2027-07-07 |
| EMI Test Receiver  | RS           | ESCS 30          | 834115/006   | 2026-07-08   | 2027-07-07 |
| Spectrum           | HP/Agilent   | E4407B           | MY50441392   | 2026-07-08   | 2027-07-07 |
| Spectrum           | RS           | FSP              | 1164.4391.38 | 2026-07-08   | 2027-07-07 |
| RF Cable           | Zhengdi      | ZT26-NJ-NJ-8M/FA | --           | 2026-07-08   | 2027-07-07 |
| RF Cable           | Zhengdi      | 7m               | --           | 2026-07-08   | 2027-07-07 |
| Pre-Amplifier      | Schwarebeck  | BBV9743          | #218         | 2026-07-08   | 2027-07-07 |
| Pre-Amplifier      | HP/Agilent   | 8449B            | 3008A00160   | 2026-07-08   | 2027-07-07 |
| LISN               | SCHAFFNER    | NNB42            | 00012        | 2026-07-08   | 2027-07-07 |
| ESPI Test Receiver | R&S          | ESPI 3           | 100379       | 2026-07-08   | 2027-07-07 |
| LISN               | R&S          | EZH3-Z5          | 100294       | 2026-07-08   | 2027-07-07 |

## 2.2 Automation Test Software

### For Conducted Emission Test

| Name   | Version           |
|--------|-------------------|
| EZ-EMC | Ver.EMC-CON 3A1.1 |

### For Radiated Emissions

| Name                                            | Version |
|-------------------------------------------------|---------|
| EMI Test Software BL410-EV18.91                 | V18.905 |
| EMI Test Software BL410-EV18.806 High Frequency | V18.06  |

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### 3.0 Technical Details

#### 3.1 Summary of test results

| The EUT has been tested according to the following specifications:                     |                                           |        |          |
|----------------------------------------------------------------------------------------|-------------------------------------------|--------|----------|
| Standard                                                                               | Test Type                                 | Result | Notes    |
| FCC Part 15, Paragraph 15.407                                                          | Conducted Emission Test                   | Pass   | Complies |
| FCC Part 15 Subpart E<br>Paragraph 15.407 (b1/4/5/6/7),<br>Part 15.205 and Part 15.209 | Undesirable Emission and<br>Restrict band | Pass   | Complies |
| FCC Part 15, Paragraph 15.407<br>(a1/2/3)                                              | Peak Transmit Power                       | Pass   | Complies |
| FCC Part 15, Paragraph 15.407<br>(a)(6)                                                | Peak Power Excursion                      | Pass   | Complies |
| FCC Part 15, Paragraph 15.407<br>(a1/2/3)                                              | Peak Power Spectral<br>Density            | Pass   | Complies |
| FCC Part 15, Paragraph<br>15.407(g)                                                    | Frequency Stability                       | Pass   | Complies |

#### 3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247, ANSI C63.10-2020+Cor  
1-2023+C63.10a-2024 + Errata to C63.10a-2024  
789033 D02 General UNII Test Procedures New Rules v01r04

#### 4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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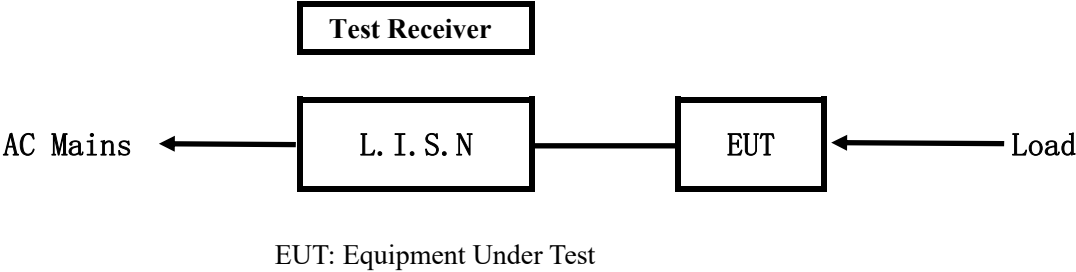
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

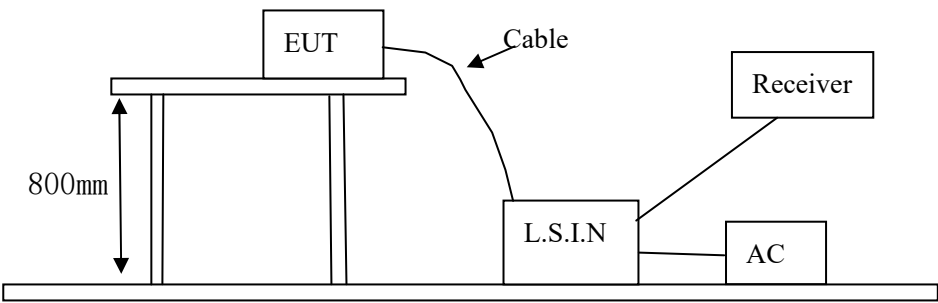


5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

| Device       | Manufacturer    | Model                                                             | FCC ID      |
|--------------|-----------------|-------------------------------------------------------------------|-------------|
| EVPAD Player | YAU WAI TRADING | EVPAD-13S, EVPAD-13P,<br>EVPAD-13 PLUS,<br>EVBOX-13MAX, EPLAY-13G | 2A4G813P13S |

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B. Internal Device

| Device | Manufacturer | Model | Rating |
|--------|--------------|-------|--------|
|        |              |       |        |

C. Peripherals

| Device | Manufacturer | Model | Rating |
|--------|--------------|-------|--------|
| --     | --           | --    | --     |

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

| Frequency<br>(MHz) | Limits (dB $\mu$ V) |               |
|--------------------|---------------------|---------------|
|                    | Quasi-peak Level    | Average Level |
| 0.15 ~ 0.50        | 66.0~56.0*          | 56.0~46.0*    |
| 0.50 ~ 5.00        | 56.0                | 46.0          |
| 5.00 ~ 30.00       | 60.0                | 50.0          |

- Notes:
- 1. \*Decreasing linearly with logarithm of frequency.
  - 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

**Note: Only the worst case was recorded in the test report.**

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**A: Conducted Emission on Live Terminal (150kHz to 30MHz)**

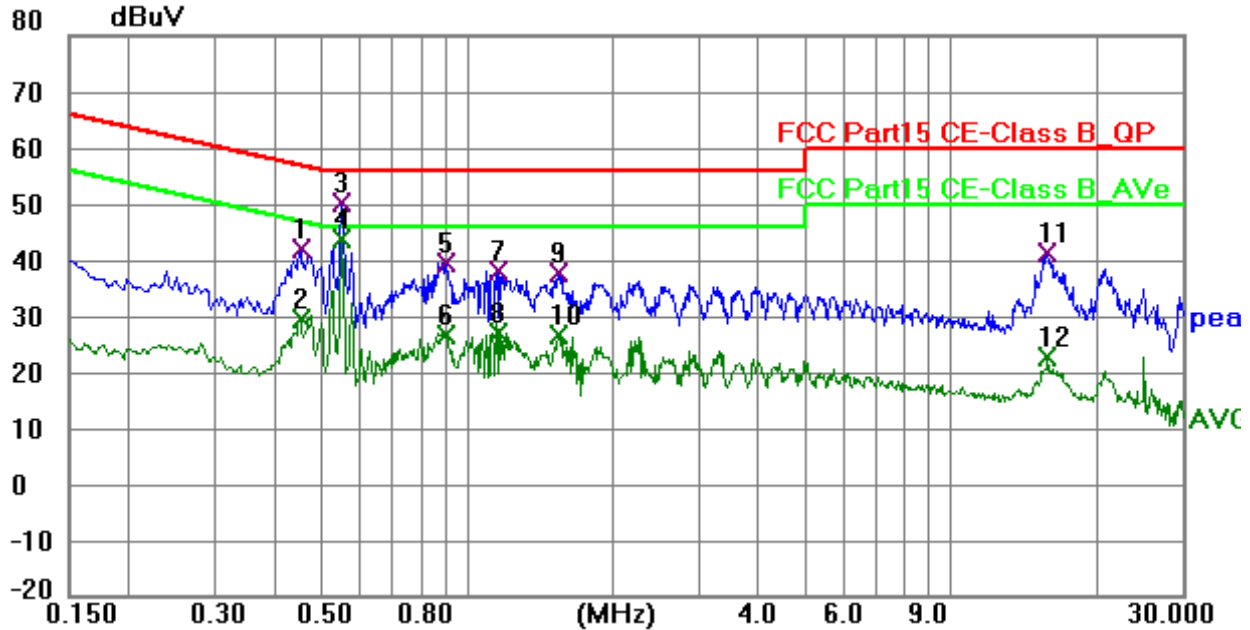
**EUT Operating Environment**

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

**EUT set Condition: Keeping WIFI Transmitting**

**Results: Pass**

Please refer to following diagram for individual



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|
| 1   | 0.4500          | 31.74          | 10.34       | 42.08        | 56.88        | -14.80      | QP       | P   |
| 2   | 0.4500          | 19.30          | 10.34       | 29.64        | 46.88        | -17.24      | AVG      | P   |
| 3   | 0.5500          | 39.93          | 10.38       | 50.31        | 56.00        | -5.69       | QP       | P   |
| 4   | 0.5500          | 33.29          | 10.38       | 43.67        | 46.00        | -2.33       | AVG      | P   |
| 5   | 0.9060          | 29.07          | 10.39       | 39.46        | 56.00        | -16.54      | QP       | P   |
| 6   | 0.9060          | 16.20          | 10.39       | 26.59        | 46.00        | -19.41      | AVG      | P   |
| 7   | 1.1539          | 27.73          | 10.37       | 38.10        | 56.00        | -17.90      | QP       | P   |
| 8   | 1.1539          | 16.58          | 10.37       | 26.95        | 46.00        | -19.05      | AVG      | P   |
| 9   | 1.5460          | 27.43          | 10.28       | 37.71        | 56.00        | -18.29      | QP       | P   |
| 10  | 1.5460          | 16.16          | 10.28       | 26.44        | 46.00        | -19.56      | AVG      | P   |
| 11  | 15.8140         | 30.86          | 10.43       | 41.29        | 60.00        | -18.71      | QP       | P   |
| 12  | 15.8140         | 12.13          | 10.43       | 22.56        | 50.00        | -27.44      | AVG      | P   |

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**B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

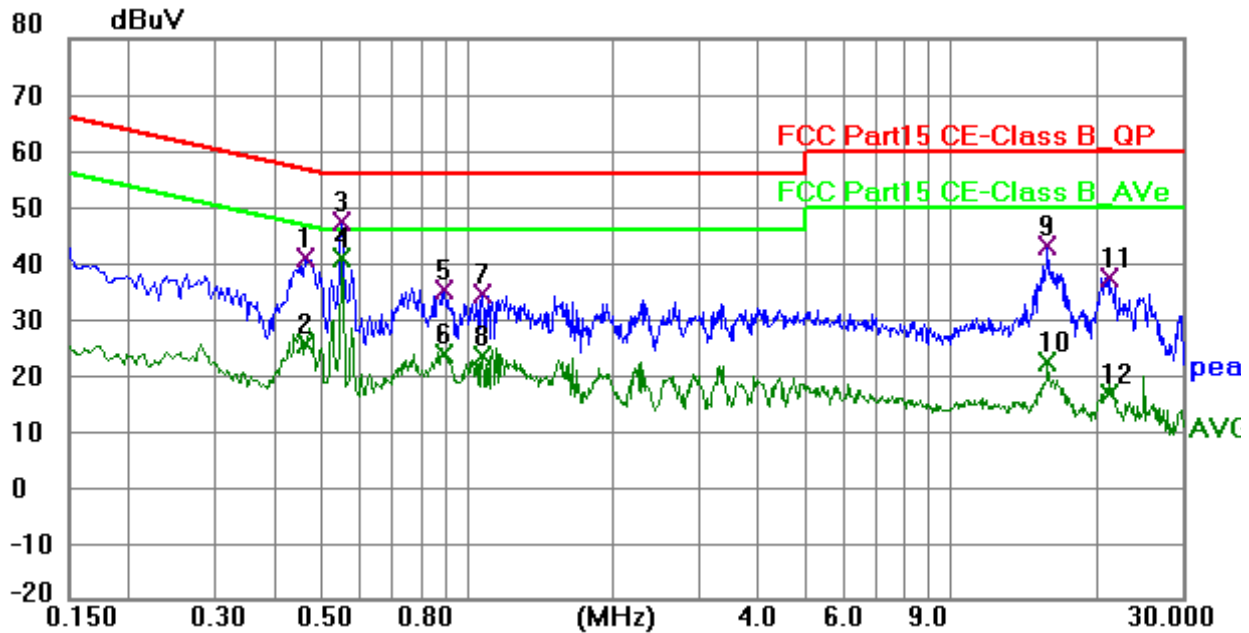
**EUT Operating Environment**

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

**EUT set Condition: Keeping WIFI Transmitting**

**Results: Pass**

Please refer to following diagram for individual



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|
| 1   | 0.4620          | 30.63          | 10.35       | 40.98        | 56.66        | -15.68      | QP       | P   |
| 2   | 0.4620          | 15.15          | 10.35       | 25.50        | 46.66        | -21.16      | AVG      | P   |
| 3   | 0.5500          | 36.94          | 10.38       | 47.32        | 56.00        | -8.68       | QP       | P   |
| 4   | 0.5500          | 30.53          | 10.38       | 40.91        | 46.00        | -5.09       | AVG      | P   |
| 5   | 0.8900          | 24.71          | 10.39       | 35.10        | 56.00        | -20.90      | QP       | P   |
| 6   | 0.8900          | 13.48          | 10.39       | 23.87        | 46.00        | -22.13      | AVG      | P   |
| 7   | 1.0740          | 24.13          | 10.38       | 34.51        | 56.00        | -21.49      | QP       | P   |
| 8   | 1.0740          | 12.89          | 10.38       | 23.27        | 46.00        | -22.73      | AVG      | P   |
| 9   | 15.8180         | 32.75          | 10.43       | 43.18        | 60.00        | -16.82      | QP       | P   |
| 10  | 15.8180         | 11.74          | 10.43       | 22.17        | 50.00        | -27.83      | AVG      | P   |
| 11  | 21.1540         | 26.86          | 10.47       | 37.33        | 60.00        | -22.67      | QP       | P   |
| 12  | 21.1540         | 6.06           | 10.47       | 16.53        | 50.00        | -33.47      | AVG      | P   |

Note: Margin=Reading level+ Factor–Limit

Factor=LISN Factor + Cable Factor

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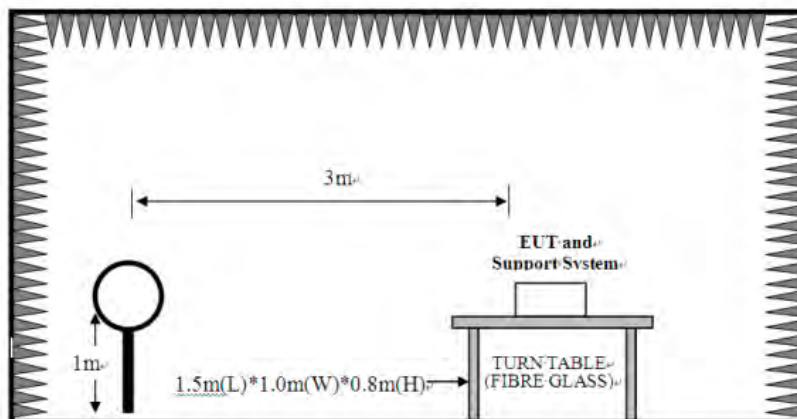
## 6 Undesirable Emission and Restrict band

### 6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. The radiated test was performed at Timeway Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.
- (3) The frequency spectrum from 30 MHz to 40 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz, VBW=3MHz and PK detector.  
Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a “QP” in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

### Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



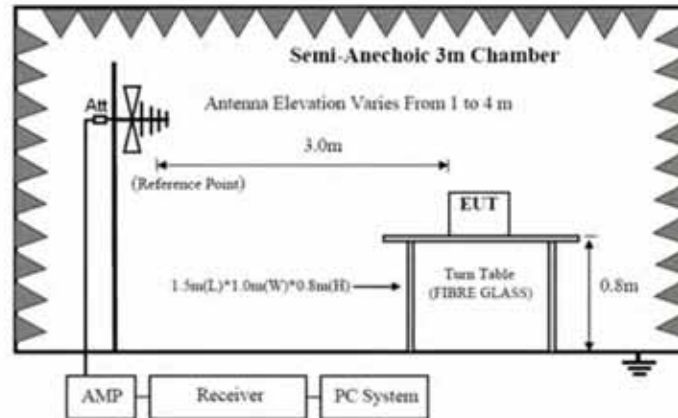
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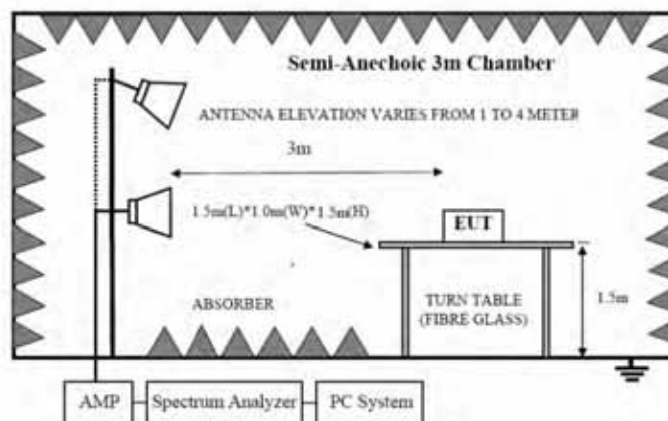
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For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



6.2 Configuration of The EUT  
Same as section 5.3 of this report

6.3 EUT Operating Condition  
Same as section 5.4 of this report.

6.4 Radiated Emission Limit  
All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:  
Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.

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**Frequencies in restricted band are complied to limit on Paragraph 15.209**

| Frequency Range (MHz) | Distance (m) | Field strength (dB $\mu$ V/m) |
|-----------------------|--------------|-------------------------------|
| 30-88                 | 3            | 40.0                          |
| 88-216                | 3            | 43.5                          |
| 216-960               | 3            | 46.0                          |
| Above 960             | 3            | 54.0                          |

- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27dBm/MHz
- (2) For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27dBm/MHz.

- Note:
1. RF Voltage (dBuV) = 20 log RF Voltage ( $\mu$ V)
  2. In the Above Table, the higher limit applies at the band edges.
  3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
  6. For the radiated emissions from 30MHz-1000MHz, only the worst case was recorded and the middle channel (5200MHz) was the worst case.

**Note: Only the worst case was recorded in the test report.**

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**Test result**

**General Radiated Emission Data and Harmonics Radiated Emission Data**

**Radiated Emission In Horizontal (30MHz----1000MHz)**

|                           |                                  |
|---------------------------|----------------------------------|
| <b>EUT set Condition:</b> | <b>Keeping WIFI Transmitting</b> |
| <b>Test Channel:</b>      | <b>Middle (5200MHz)</b>          |
| <b>Results:</b>           | <b>Pass</b>                      |

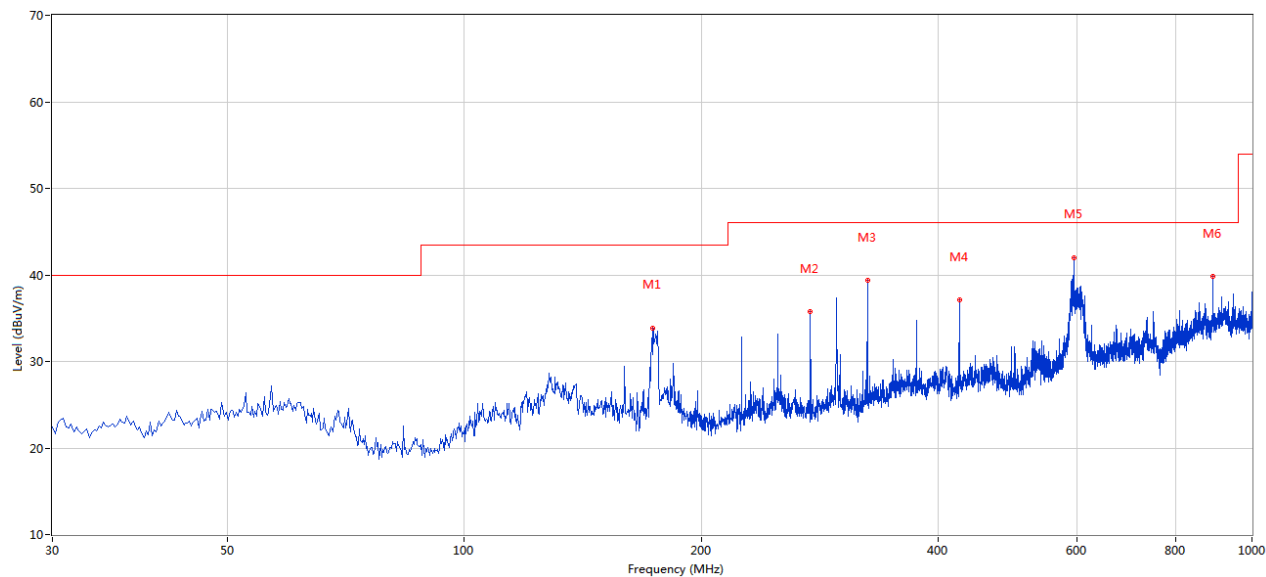
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Test Figure:



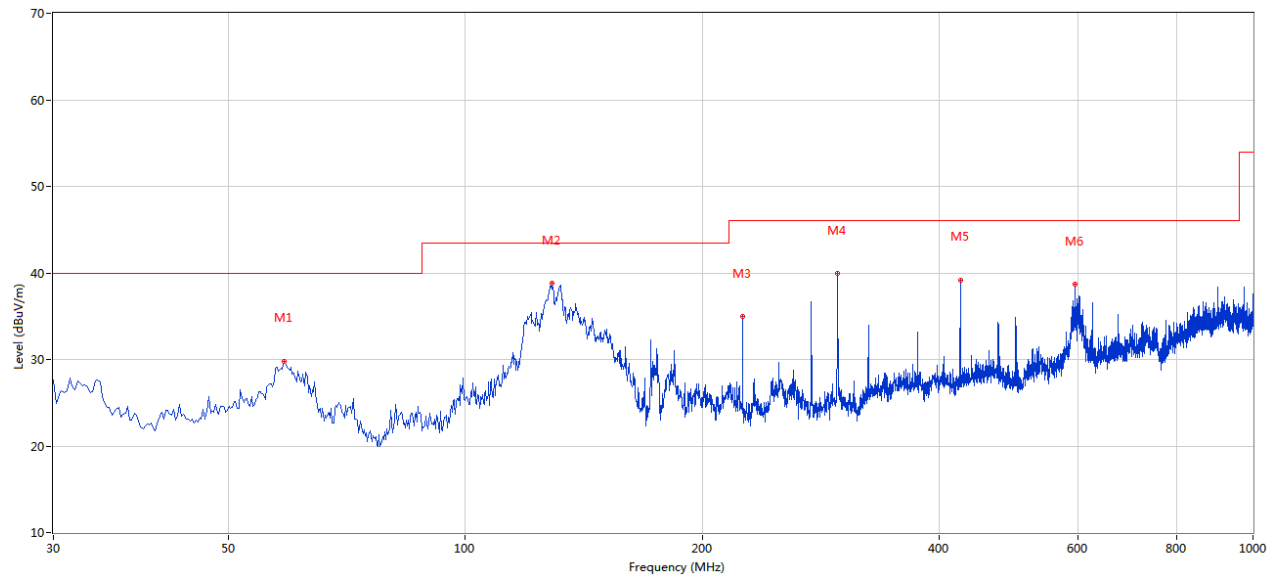
| No. | Frequency<br>(MHz) | Results<br>(dBuV/m) | Factor<br>(dB/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Table<br>(Degree) | Height<br>(cm) | Antenna    | Verdict |
|-----|--------------------|---------------------|------------------|-------------------|----------------|----------|-------------------|----------------|------------|---------|
| 1   | 173.560            | 33.88               | -11.26           | 43.5              | 9.62           | Peak     | 261.00            | 100            | Horizontal | Pass    |
| 2   | 274.925            | 35.79               | -8.66            | 46.0              | 10.21          | Peak     | 323.00            | 100            | Horizontal | Pass    |
| 3   | 324.880            | 39.40               | -7.28            | 46.0              | 6.60           | Peak     | 155.00            | 100            | Horizontal | Pass    |
| 4   | 425.033            | 37.12               | -4.66            | 46.0              | 8.88           | Peak     | 202.00            | 100            | Horizontal | Pass    |
| 5   | 594.055            | 42.01               | -2.35            | 46.0              | 3.99           | Peak     | 207.00            | 100            | Horizontal | Pass    |
| 6   | 891.118            | 39.79               | 1.96             | 46.0              | 6.21           | Peak     | 252.00            | 100            | Horizontal | Pass    |

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Test Figure:

V



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB/m) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|---------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 58.858          | 29.83            | -9.04         | 40.0           | 10.17       | Peak     | 252.00         | 100         | Vertical | Pass    |
| 2   | 128.697         | 38.83            | -10.97        | 43.5           | 4.67        | Peak     | 75.00          | 100         | Vertical | Pass    |
| 3   | 224.970         | 34.93            | -10.23        | 46.0           | 11.07       | Peak     | 316.00         | 100         | Vertical | Pass    |
| 4   | 296.992         | 39.93            | -7.54         | 46.0           | 6.07        | Peak     | 301.00         | 100         | Vertical | Pass    |
| 5   | 425.033         | 39.20            | -4.66         | 46.0           | 6.80        | Peak     | 18.00          | 100         | Vertical | Pass    |
| 6   | 594.055         | 38.68            | -2.35         | 46.0           | 7.32        | Peak     | 204.00         | 100         | Vertical | Pass    |

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**Operation Mode: Keeping Transmitting under CH36 for 11a at 6Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5180.00         | 99.12 (PK)              | H                | Fundamental Frequency   |
| 5180.00         | 90.35 (PK)              | V                |                         |
| 10360           | --                      | H                | 74(Peak)/ 54(AV)        |
| 10360           | --                      | V                | 74(Peak)/ 54(AV)        |
| 15540           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 20720           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 25900           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 31080           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 36260           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Pre-amplifier  
2. Remark "---" means that the emissions level is too low to be measured

**Operation Mode: Keeping Transmitting under CH40 for 11a at 6Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5200.00         | 101.60 (PK)             | H                | Fundamental Frequency   |
| 5200.00         | 93.19 (PK)              | V                |                         |
| 10400           | --                      | H                | 74(Peak)/ 54(AV)        |
| 10400           | --                      | V                | 74(Peak)/ 54(AV)        |
| 15600           | --                      | V                | 74(Peak)/ 54(AV)        |
| 20800           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 26000           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 31200           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 36400           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Pre-amplifier  
2. Remark "---" means that the emissions level is too low to be measured

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**Operation Mode: Keeping Transmitting under CH48 for 11a at 6Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5240.00         | 100.01 (PK)             | H                | Fundamental Frequency   |
| 5240.00         | 90.65 (PK)              | V                |                         |
| 10480           | --                      | H                | 74(Peak)/ 54(AV)        |
| 10480           | --                      | V                | 74(Peak)/ 54(AV)        |
| 15720           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 20960           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 26200           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 31440           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 36680           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable – Pre-amplifier  
2. Remark “---” means that the emissions level is too low to be measured

**Operation Mode: Keeping Transmitting under CH149 for 11a at 6Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5745.00         | 100.40 (PK)             | H                | Fundamental Frequency   |
| 5745.00         | 90.32 (PK)              | V                |                         |
| 11490           | --                      | H                | 74(Peak)/ 54(AV)        |
| 11490           | --                      | V                | 74(Peak)/ 54(AV)        |
| 17235           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 22980           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 28725           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 34470           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
2. Remark “---” means that the emissions level is too low to be measured

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**Operation Mode: Keeping Transmitting under CH157 for 11a at 6Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5785.00         | 102.29 (PK)             | H                | Fundamental Frequency   |
| 5785.00         | 93.41 (PK)              | V                |                         |
| 11570           | --                      | H                | 74(Peak)/ 54(AV)        |
| 11570           | --                      | V                | 74(Peak)/ 54(AV)        |
| 17355           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 23140           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 28925           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 34710           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
2. Remark "---" means that the emissions level is too low to be measured

**Operation Mode: Keeping Transmitting under CH161 for 11a at 6Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5825.00         | 96.93 (PK)              | H                | Fundamental Frequency   |
| 5825.00         | 86.87 (PK)              | V                |                         |
| 11650           | --                      | H                | 74(Peak)/ 54(AV)        |
| 11650           | --                      | V                | 74(Peak)/ 54(AV)        |
| 17475           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 23300           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 29125           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 34950           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
2. Remark "---" means that the emissions level is too low to be measured

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| Restricted band Measurement |                      |       |                          |
|-----------------------------|----------------------|-------|--------------------------|
| EUT                         | EVPAD Player         |       | Test Mode:               |
| Mode                        | Keeping Transmitting |       | Channel 36 (5180MHz)-11a |
| Temperature                 | 24 deg. C,           |       | Input Voltage            |
| Test Result:                | Pass                 |       | Humidity                 |
| 5150                        | PK (dBμV/m)          | 50.1  | 56% RH                   |
|                             | EIRP (dBm)           | -45.1 | Detector                 |
| Polarity                    | Horizontal           |       | PK                       |
|                             |                      |       | Limit                    |
|                             |                      |       | -27dBm/MHz               |
|                             |                      |       | --                       |
|                             |                      |       | --                       |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 50.1 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.1 - 95.2 = -45.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |                          |
|-----------------------------|----------------------|-----------|--------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:               |
| Mode                        | Keeping Transmitting |           | Channel 36 (5180MHz)-11a |
| Temperature                 | 24 deg. C,           |           | Input Voltage            |
| Test Result:                | Pass                 |           | Humidity                 |
| 5150                        | PK (dBμV/m)          | 41.5 (PK) | 56% RH                   |
|                             | EIRP (dBm)           | -53.7     | Detector                 |
| Polarity                    | Vertical             |           | PK                       |
|                             |                      |           | Limit                    |
|                             |                      |           | -27dBm/MHz               |
|                             |                      |           | --                       |
|                             |                      |           | --                       |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 41.5 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 41.5 - 95.2 = -53.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement |                      |           |                          |
|-----------------------------|----------------------|-----------|--------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:               |
| Mode                        | Keeping Transmitting |           | Channel 48 (5240MHz)-11a |
| Temperature                 | 24 deg. C,           |           | Input Voltage            |
| Test Result:                | Pass                 |           | Humidity                 |
| 5250                        | PK (dBμV/m)          | 51.8 (PK) | 56% RH                   |
|                             | EIRP (dBm)           | -43.4     | Detector                 |
| Polarity                    | Horizontal           |           | PK                       |
|                             |                      |           | Limit                    |
|                             |                      |           | -27dBm/MHz               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 51.8\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 51.8 - 95.2 = -43.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |                          |
|-----------------------------|----------------------|-----------|--------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:               |
| Mode                        | Keeping Transmitting |           | Channel 48 (5240MHz)-11a |
| Temperature                 | 24 deg. C,           |           | Input Voltage            |
| Test Result:                | Pass                 |           | Humidity                 |
| 5250                        | PK (dBμV/m)          | 43.7 (PK) | 56% RH                   |
|                             | EIRP (dBm)           | -51.5     | Detector                 |
| Polarity                    | Vertical             |           | PK                       |
|                             |                      |           | Limit                    |
|                             |                      |           | -27dBm/MHz               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 43.7\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 43.7 - 95.2 = -51.5\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |                           |
|-----------------------------|----------------------|-----------|---------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:                |
| Mode                        | Keeping Transmitting |           | Channel 149 (5745MHz)-11a |
| Temperature                 | 24 deg. C,           |           | Input Voltage             |
| Test Result:                | Pass                 |           | Humidity                  |
| 5725                        | PK (dBμV/m)          | 56.2 (PK) | 56% RH                    |
|                             | EIRP (dBm)           | -39.0     | Detector                  |
| Polarity                    | Horizontal           |           | PK                        |
|                             |                      |           | Limit                     |
|                             |                      |           | -17dBm/MHz                |
|                             |                      |           | --                        |
|                             |                      |           | --                        |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 56.2 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 56.2 - 95.2 = -39.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |                           |
|-----------------------------|----------------------|----------|---------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:                |
| Mode                        | Keeping Transmitting |          | Channel 149 (5745MHz)-11a |
| Temperature                 | 24 deg. C,           |          | Input Voltage             |
| Test Result:                | Pass                 |          | Humidity                  |
| 5725                        | PK (dBμV/m)          | 47.3(PK) | 56% RH                    |
|                             | EIRP (dBm)           | -47.9    | Detector                  |
| Polarity                    | Vertical             |          | PK                        |
|                             |                      |          | Limit                     |
|                             |                      |          | -17dBm/MHz                |
|                             |                      |          | --                        |
|                             |                      |          | --                        |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 47.3 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.3 - 95.2 = -47.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |                           |
|-----------------------------|----------------------|----------|---------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:                |
| Mode                        | Keeping Transmitting |          | Channel 161 (5825MHz)-11a |
| Temperature                 | 24 deg. C,           |          | Input Voltage             |
| Test Result:                | Pass                 |          | Humidity                  |
| 5850                        | PK (dBμV/m)          | 56.1(PK) | 56% RH                    |
|                             | EIRP (dBm)           | -39.1    | Detector                  |
| Polarity                    | Horizontal           |          | PK                        |
|                             |                      |          | Limit                     |
|                             |                      |          | -17dBm/MHz                |
|                             |                      |          | --                        |
|                             |                      |          | --                        |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 56.1\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 56.1 - 95.2 = -39.1\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |                           |
|-----------------------------|----------------------|-----------|---------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:                |
| Mode                        | Keeping Transmitting |           | Channel 161 (5825MHz)-11a |
| Temperature                 | 24 deg. C,           |           | Input Voltage             |
| Test Result:                | Pass                 |           | Humidity                  |
| 5850                        | PK (dBμV/m)          | 51.7 (PK) | 56% RH                    |
|                             | EIRP (dBm)           | -43.5     | Detector                  |
| Polarity                    | Vertical             |           | PK                        |
|                             |                      |           | Limit                     |
|                             |                      |           | -17dBm/MHz                |
|                             |                      |           | --                        |
|                             |                      |           | --                        |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 51.7\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 51.7 - 95.2 = -43.5\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                                  |
|-----------------------------|----------------------|----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 36<br>(5180MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |          | Detector      | PK                               |
| 5150                        | PK (dBμV/m)          | 47.2(PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -48.0    |               |                                  |
| Polarity                    | Horizontal           |          | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 47.2 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.2 - 95.2 = -48.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |               |                                  |
|-----------------------------|----------------------|-----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 36<br>(5180MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |           | Detector      | PK                               |
| 5150                        | PK (dBμV/m)          | 42.4 (PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -52.8     |               |                                  |
| Polarity                    | Vertical             |           | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 42.4 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 42.4 - 95.2 = -52.8 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                               |
|-----------------------------|----------------------|----------|---------------|-------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 48 (5240MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                         |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                        |
| Test Result:                | Pass                 |          | Detector      | PK                            |
| 5250                        | PK (dBμV/m)          | 50.9(PK) | Limit         | -27dBm/MHz                    |
|                             | EIRP (dBm)           | -44.3    |               |                               |
| Polarity                    | Horizontal           |          |               |                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 50.9\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.9 - 95.2 = -44.3\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                               |
|-----------------------------|----------------------|----------|---------------|-------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 48 (5240MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                         |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                        |
| Test Result:                | Pass                 |          | Detector      | PK                            |
| 5250                        | PK (dBμV/m)          | 47.6(PK) | Limit         | -27dBm/MHz                    |
|                             | EIRP (dBm)           | -47.6    |               |                               |
| Polarity                    | Vertical             |          | --            | --                            |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 47.6\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.6 - 95.2 = -47.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                |
|-----------------------------|----------------------|-----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 149 (5745MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |           | Detector      | PK                             |
| 5725                        | PK (dBμV/m)          | 52.3 (PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -42.9     |               |                                |
| Polarity                    | Horizontal           |           | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 52.3\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.3 - 95.2 = -42.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                |
|-----------------------------|----------------------|----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 149 (5745MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |          | Detector      | PK                             |
| 5725                        | PK (dBμV/m)          | 45.6(PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -49.6    |               |                                |
| Polarity                    | Vertical             |          | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 45.6\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.6 - 95.2 = -49.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                |
|-----------------------------|----------------------|-----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 161 (5825MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |           | Detector      | PK                             |
| 5850                        | PK (dBμV/m)          | 56.2 (PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -39.0     |               |                                |
| Polarity                    | Horizontal           |           | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 56.2\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 56.2 - 95.2 = -39.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |               |                                |
|-----------------------------|----------------------|-----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 161 (5825MHz)-11n/HT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |           | Detector      | PK                             |
| 5850                        | PK (dBμV/m)          | 48.3 (PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -46.9     |               |                                |
| Polarity                    | Vertical             |           | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.3\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.3 - 95.2 = -46.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                                  |
|-----------------------------|----------------------|----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 38<br>(5190MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |          | Detector      | PK                               |
| 5150                        | PK (dBμV/m)          | 49.2(PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -46.0    |               |                                  |
| Polarity                    | Horizontal           |          | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 49.2\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 49.2 - 95.2 = -46.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                  |
|-----------------------------|----------------------|----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 38<br>(5190MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |          | Detector      | PK                               |
| 5150                        | PK (dBμV/m)          | 45.1(PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -50.1    |               |                                  |
| Polarity                    | Vertical             |          | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 45.1\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.1 - 95.2 = -50.1\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement |                      |          |               |                               |
|-----------------------------|----------------------|----------|---------------|-------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 46 (5230MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                         |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                        |
| Test Result:                | Pass                 |          | Detector      | PK                            |
| 5250                        | PK (dBμV/m)          | 51.6(PK) | Limit         | -27dBm/MHz                    |
|                             | EIRP (dBm)           | -43.6    |               |                               |
| Polarity                    | Horizontal           |          |               |                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 51.6\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 51.6 - 95.2 = -43.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                               |
|-----------------------------|----------------------|----------|---------------|-------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 46 (5230MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                         |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                        |
| Test Result:                | Pass                 |          | Detector      | PK                            |
| 5250                        | PK (dBμV/m)          | 48.2(PK) | Limit         | -27dBm/MHz                    |
|                             | EIRP (dBm)           | -46.0    |               |                               |
| Polarity                    | Vertical             |          | --            | --                            |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.2\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.2 - 95.2 = -47.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                                |
|-----------------------------|----------------------|----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 151 (5755MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |          | Detector      | PK                             |
| 5725                        | PK (dBμV/m)          | 53.7(PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -41.5    |               |                                |
| Polarity                    | Horizontal           |          | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 53.7 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.7 - 95.2 = -41.5 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                |
|-----------------------------|----------------------|----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 151 (5755MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |          | Detector      | PK                             |
| 5725                        | PK (dBμV/m)          | 47.2(PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -48.0    |               |                                |
| Polarity                    | Vertical             |          | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 47.2 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.2 - 95.2 = -48.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                |
|-----------------------------|----------------------|-----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 159 (5795MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |           | Detector      | PK                             |
| 5850                        | PK (dBμV/m)          | 55.6 (PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -39.6     |               |                                |
| Polarity                    | Horizontal           |           | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 55.6\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.6 - 95.2 = -39.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                |
|-----------------------------|----------------------|----------|---------------|--------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 159 (5795MHz)-11n/HT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                         |
| Test Result:                | Pass                 |          | Detector      | PK                             |
| 5850                        | PK (dBμV/m)          | 49.5(PK) | Limit         | -17dBm/MHz                     |
|                             | EIRP (dBm)           | -45.7    |               |                                |
| Polarity                    | Vertical             |          | --            | --                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 49.5\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 49.5 - 95.2 = -45.7\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                                 |
|-----------------------------|----------------------|----------|---------------|---------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 36 (5180MHz)-11ac VHT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                           |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                          |
| Test Result:                | Pass                 |          | Detector      | PK                              |
| 5150                        | PK (dBμV/m)          | 48.3(PK) | Limit         | -27dBm/MHz                      |
|                             | EIRP (dBm)           | -46.9    |               |                                 |
| Polarity                    | Horizontal           |          | --            | --                              |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.3 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.3 - 95.2 = -46.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |               |                                 |
|-----------------------------|----------------------|-----------|---------------|---------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 36 (5180MHz)-11ac VHT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                           |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                          |
| Test Result:                | Pass                 |           | Detector      | PK                              |
| 5150                        | PK (dBμV/m)          | 41.2 (PK) | Limit         | -27dBm/MHz                      |
|                             | EIRP (dBm)           | -54.0     |               |                                 |
| Polarity                    | Vertical             |           | --            | --                              |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 41.2 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 41.2 - 95.2 = -54.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |                                             |
|-----------------------------|----------------------|-----------|---------------------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode: Channel 48 (5240MHz)- 11ac VHT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage 120V~                         |
| Temperature                 | 24 deg. C,           |           | Humidity 56% RH                             |
| Test Result:                | Pass                 |           | Detector PK                                 |
| 5250                        | PK (dBμV/m)          | 50.5 (PK) | Limit -27dBm/MHz                            |
|                             | EIRP (dBm)           | -44.7     |                                             |
| Polarity                    | Horizontal           |           |                                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 50.5\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.5 - 95.2 = -44.7\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |                                             |
|-----------------------------|----------------------|-----------|---------------------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode: Channel 48 (5240MHz)- 11ac VHT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage 120V~                         |
| Temperature                 | 24 deg. C,           |           | Humidity 56% RH                             |
| Test Result:                | Pass                 |           | Detector PK                                 |
| 5250                        | PK (dBμV/m)          | 44.6 (PK) | Limit -27dBm/MHz                            |
|                             | EIRP (dBm)           | -50.6     |                                             |
| Polarity                    | Vertical             |           | --                                          |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 44.6\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 44.6 - 95.2 = -50.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |                                              |
|-----------------------------|----------------------|-----------|----------------------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode: Channel 149 (5745MHz)- 11ac VHT20 |
| Mode                        | Keeping Transmitting |           | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |           | Humidity 56% RH                              |
| Test Result:                | Pass                 |           | Detector PK                                  |
| 5725                        | PK (dBμV/m)          | 54.6 (PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -40.6     |                                              |
| Polarity                    | Horizontal           |           | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 54.6 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 54.6 - 95.2 = -40.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |                                              |
|-----------------------------|----------------------|----------|----------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 149 (5745MHz)- 11ac VHT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                              |
| Test Result:                | Pass                 |          | Detector PK                                  |
| 5725                        | PK (dBμV/m)          | 48.2(PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -47.0    |                                              |
| Polarity                    | Vertical             |          | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.2 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.2 - 95.2 = -47.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |                                              |
|-----------------------------|----------------------|----------|----------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 161 (5825MHz)- 11ac VHT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                              |
| Test Result:                | Pass                 |          | Detector PK                                  |
| 5850                        | PK (dBμV/m)          | 57.3(PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -37.9    |                                              |
| Polarity                    | Horizontal           |          | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 57.3\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 57.3 - 95.2 = -37.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |                                              |
|-----------------------------|----------------------|----------|----------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 161 (5825MHz)- 11ac VHT20 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                              |
| Test Result:                | Pass                 |          | Detector PK                                  |
| 5850                        | PK (dBμV/m)          | 53.1(PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -42.1    |                                              |
| Polarity                    | Vertical             |          | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 53.1\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.1 - 95.2 = -42.1\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                                 |
|-----------------------------|----------------------|----------|---------------|---------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 38 (5190MHz)-11ac VHT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                           |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                          |
| Test Result:                | Pass                 |          | Detector      | PK                              |
| 5150                        | PK (dBμV/m)          | 48.1(PK) | Limit         | -27dBm/MHz                      |
|                             | EIRP (dBm)           | -47.1    |               |                                 |
| Polarity                    | Horizontal           |          | --            | --                              |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.1 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.1 - 95.2 = -47.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |               |                                 |
|-----------------------------|----------------------|-----------|---------------|---------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 38 (5190MHz)-11ac VHT40 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                           |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                          |
| Test Result:                | Pass                 |           | Detector      | PK                              |
| 5150                        | PK (dBμV/m)          | 42.0 (PK) | Limit         | -27dBm/MHz                      |
|                             | EIRP (dBm)           | -53.2     |               |                                 |
| Polarity                    | Vertical             |           | --            | --                              |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 42.0 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 42.0 - 95.2 = -53.2 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement |                      |          |               |                                  |
|-----------------------------|----------------------|----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 46 (5230MHz)- 11ac VHT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |          | Detector      | PK                               |
| 5250                        | PK (dBμV/m)          | 51.3(PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -43.9    |               |                                  |
| Polarity                    | Horizontal           |          |               |                                  |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 51.3\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 51.3 - 95.2 = -43.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                  |
|-----------------------------|----------------------|----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 46 (5230MHz)- 11ac VHT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |          | Detector      | PK                               |
| 5250                        | PK (dBμV/m)          | 45.8(PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -49.4    |               |                                  |
| Polarity                    | Vertical             |          | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 45.8\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.8 - 95.2 = -49.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                   |
|-----------------------------|----------------------|-----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 151 (5755MHz)- 11ac VHT40 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |           | Detector      | PK                                |
| 5725                        | PK (dBμV/m)          | 50.2 (PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -45.0     |               |                                   |
| Polarity                    | Horizontal           |           | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 50.2\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.2 - 95.2 = -45.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                   |
|-----------------------------|----------------------|----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 151 (5755MHz)- 11ac VHT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |          | Detector      | PK                                |
| 5725                        | PK (dBμV/m)          | 45.1(PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -50.1    |               |                                   |
| Polarity                    | Vertical             |          | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 45.1\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.1 - 95.2 = -50.1\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                   |
|-----------------------------|----------------------|-----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 159 (5795MHz)- 11ac VHT40 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |           | Detector      | PK                                |
| 5850                        | PK (dBμV/m)          | 54.8 (PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -40.4     |               |                                   |
| Polarity                    | Horizontal           |           | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 54.8\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 54.8 - 95.2 = -40.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                   |
|-----------------------------|----------------------|----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 159 (5795MHz)- 11ac VHT40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |          | Detector      | PK                                |
| 5850                        | PK (dBμV/m)          | 47.8(PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -47.4    |               |                                   |
| Polarity                    | Vertical             |          | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 47.8\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.8 - 95.2 = -47.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                                 |
|-----------------------------|----------------------|----------|---------------|---------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 36 (5180MHz)-11ax HEW20 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                           |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                          |
| Test Result:                | Pass                 |          | Detector      | PK                              |
| 5150                        | PK (dBμV/m)          | 48.5(PK) | Limit         | -27dBm/MHz                      |
|                             | EIRP (dBm)           | -46.7    |               |                                 |
| Polarity                    | Horizontal           |          | --            | --                              |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.5 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.5 - 95.2 = -46.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |               |                                  |
|-----------------------------|----------------------|-----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 36 (5180MHz)- 11ax HEW20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |           | Detector      | PK                               |
| 5150                        | PK (dBμV/m)          | 41.6 (PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -53.6     |               |                                  |
| Polarity                    | Vertical             |           | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 41.6 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 41.6 - 95.2 = -53.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                  |
|-----------------------------|----------------------|-----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 48 (5240MHz)- 11ax HEW20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |           | Detector      | PK                               |
| 5250                        | PK (dBμV/m)          | 50.2 (PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -45.0     |               |                                  |
| Polarity                    | Horizontal           |           |               |                                  |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 50.2\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.2 - 95.2 = -45.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |               |                                  |
|-----------------------------|----------------------|-----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 48 (5240MHz)- 11ax HEW20 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |           | Detector      | PK                               |
| 5250                        | PK (dBμV/m)          | 43.3 (PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -51.9     |               |                                  |
| Polarity                    | Vertical             |           | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 43.3\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 43.3 - 95.2 = -51.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |                                              |
|-----------------------------|----------------------|-----------|----------------------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode: Channel 149 (5745MHz)- 11ax HEW20 |
| Mode                        | Keeping Transmitting |           | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |           | Humidity 56% RH                              |
| Test Result:                | Pass                 |           | Detector PK                                  |
| 5725                        | PK (dBμV/m)          | 51.2 (PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -44.0     |                                              |
| Polarity                    | Horizontal           |           | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 51.2 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 51.2 - 95.2 = -44.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |                                              |
|-----------------------------|----------------------|----------|----------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 149 (5745MHz)- 11ax HEW20 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                              |
| Test Result:                | Pass                 |          | Detector PK                                  |
| 5725                        | PK (dBμV/m)          | 48.9(PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -46.3    |                                              |
| Polarity                    | Vertical             |          | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.9 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.9 - 95.2 = -46.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |                                              |
|-----------------------------|----------------------|----------|----------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 161 (5825MHz)- 11ax HEW20 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                              |
| Test Result:                | Pass                 |          | Detector PK                                  |
| 5850                        | PK (dBμV/m)          | 55.7(PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -39.5    |                                              |
| Polarity                    | Horizontal           |          | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 55.7\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.7 - 95.2 = -39.5\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |                                              |
|-----------------------------|----------------------|----------|----------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 161 (5825MHz)- 11ax HEW20 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                          |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                              |
| Test Result:                | Pass                 |          | Detector PK                                  |
| 5850                        | PK (dBμV/m)          | 52.9(PK) | Limit -17dBm/MHz                             |
|                             | EIRP (dBm)           | -42.3    |                                              |
| Polarity                    | Vertical             |          | --                                           |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 52.9\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.9 - 95.2 = -42.3\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |          |               |                                  |
|-----------------------------|----------------------|----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 38 (5190MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |          | Detector      | PK                               |
| 5150                        | PK (dBμV/m)          | 48.5(PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -46.7    |               |                                  |
| Polarity                    | Horizontal           |          | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.5 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.5 - 95.2 = -46.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |           |               |                                  |
|-----------------------------|----------------------|-----------|---------------|----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 38 (5190MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                            |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                           |
| Test Result:                | Pass                 |           | Detector      | PK                               |
| 5150                        | PK (dBμV/m)          | 43.2 (PK) | Limit         | -27dBm/MHz                       |
|                             | EIRP (dBm)           | -52.0     |               |                                  |
| Polarity                    | Vertical             |           | --            | --                               |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 43.2 \text{ dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 43.2 - 95.2 = -52.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement |                      |          |                                             |
|-----------------------------|----------------------|----------|---------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 46 (5230MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                         |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                             |
| Test Result:                | Pass                 |          | Detector PK                                 |
| 5250                        | PK (dBμV/m)          | 52.8(PK) | Limit -27dBm/MHz                            |
|                             | EIRP (dBm)           | -42.4    |                                             |
| Polarity                    | Horizontal           |          |                                             |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 52.8\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.8 - 95.2 = -42.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |                                             |
|-----------------------------|----------------------|----------|---------------------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode: Channel 46 (5230MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |          | Input Voltage 120V~                         |
| Temperature                 | 24 deg. C,           |          | Humidity 56% RH                             |
| Test Result:                | Pass                 |          | Detector PK                                 |
| 5250                        | PK (dBμV/m)          | 47.6(PK) | Limit -27dBm/MHz                            |
|                             | EIRP (dBm)           | -47.6    |                                             |
| Polarity                    | Vertical             |          | --                                          |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 47.6\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.6 - 95.2 = -47.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                   |
|-----------------------------|----------------------|-----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 151 (5755MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |           | Detector      | PK                                |
| 5725                        | PK (dBμV/m)          | 53.5 (PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -41.7     |               |                                   |
| Polarity                    | Horizontal           |           | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 53.5\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.5 - 95.2 = -41.7\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                   |
|-----------------------------|----------------------|----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 151 (5755MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |          | Detector      | PK                                |
| 5725                        | PK (dBμV/m)          | 48.8(PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -46.4    |               |                                   |
| Polarity                    | Vertical             |          | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.8\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.8 - 95.2 = -46.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement |                      |           |               |                                   |
|-----------------------------|----------------------|-----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |           | Test Mode:    | Channel 159 (5795MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |           | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |           | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |           | Detector      | PK                                |
| 5850                        | PK (dBμV/m)          | 57.2 (PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -38.0     |               |                                   |
| Polarity                    | Horizontal           |           | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 57.2\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 57.2 - 95.2 = -38.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement |                      |          |               |                                   |
|-----------------------------|----------------------|----------|---------------|-----------------------------------|
| EUT                         | EVPAD Player         |          | Test Mode:    | Channel 159 (5795MHz)- 11ax HEW40 |
| Mode                        | Keeping Transmitting |          | Input Voltage | 120V~                             |
| Temperature                 | 24 deg. C,           |          | Humidity      | 56% RH                            |
| Test Result:                | Pass                 |          | Detector      | PK                                |
| 5850                        | PK (dBμV/m)          | 48.7(PK) | Limit         | -17dBm/MHz                        |
|                             | EIRP (dBm)           | -46.5    |               |                                   |
| Polarity                    | Vertical             |          | --            | --                                |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if  $\text{E[dB}\mu\text{V/m]} = 48.7\text{dB}\mu\text{V/m}$ ,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.7 - 95.2 = -46.5\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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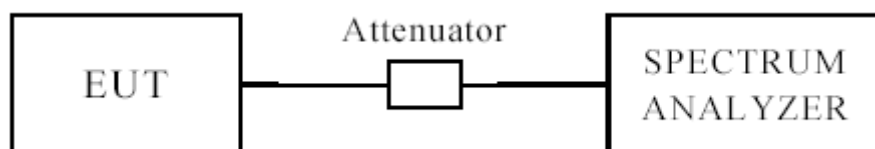
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## 7.0 Emission Bandwidth

### 7.1 Test Setup



### 7.3 Test Procedure for Emission Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW > RBW
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

### 7.4 Test Procedure for Minimum Bandwidth for the Band 5725-5850MHz

1. Set RBW = 100 kHz.
2. Set  $VBW \geq 3 \times RBW$ .
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 7.5 Test Procedure for 99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times OBW
3. Set RBW = 1% TO 5% of the OBW
4. Set  $VBW \geq 3 \times RBW$
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Other, peak detection and max mode (until trace stabilizes) shall be used.
6. Use the 99% power bandwidth function of the instrument

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7.6 Test Result

-26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5180            | Ant1    | 18.673                 | 0.5                          | Pass    |
|           |      | 5200            |         | 18.76                  | 0.5                          | Pass    |
|           |      | 5240            |         | 18.676                 | 0.5                          | Pass    |
|           | n20  | 5180            |         | 19.899                 | 0.5                          | Pass    |
|           |      | 5200            |         | 19.988                 | 0.5                          | Pass    |
|           |      | 5240            |         | 19.611                 | 0.5                          | Pass    |
|           | n40  | 5190            |         | 39.828                 | 0.5                          | Pass    |
|           |      | 5230            |         | 39.864                 | 0.5                          | Pass    |
|           | ac20 | 5180            |         | 19.839                 | 0.5                          | Pass    |
|           |      | 5200            |         | 20.205                 | 0.5                          | Pass    |
|           |      | 5240            |         | 19.92                  | 0.5                          | Pass    |
|           | ac40 | 5190            |         | 39.979                 | 0.5                          | Pass    |
|           |      | 5230            |         | 39.918                 | 0.5                          | Pass    |
|           | ax20 | 5180            |         | 20.646                 | 0.5                          | Pass    |
|           |      | 5200            |         | 20.917                 | 0.5                          | Pass    |
|           |      | 5240            |         | 20.57                  | 0.5                          | Pass    |
|           | ax40 | 5190            |         | 40.678                 | 0.5                          | Pass    |
|           |      | 5230            |         | 40.87                  | 0.5                          | Pass    |

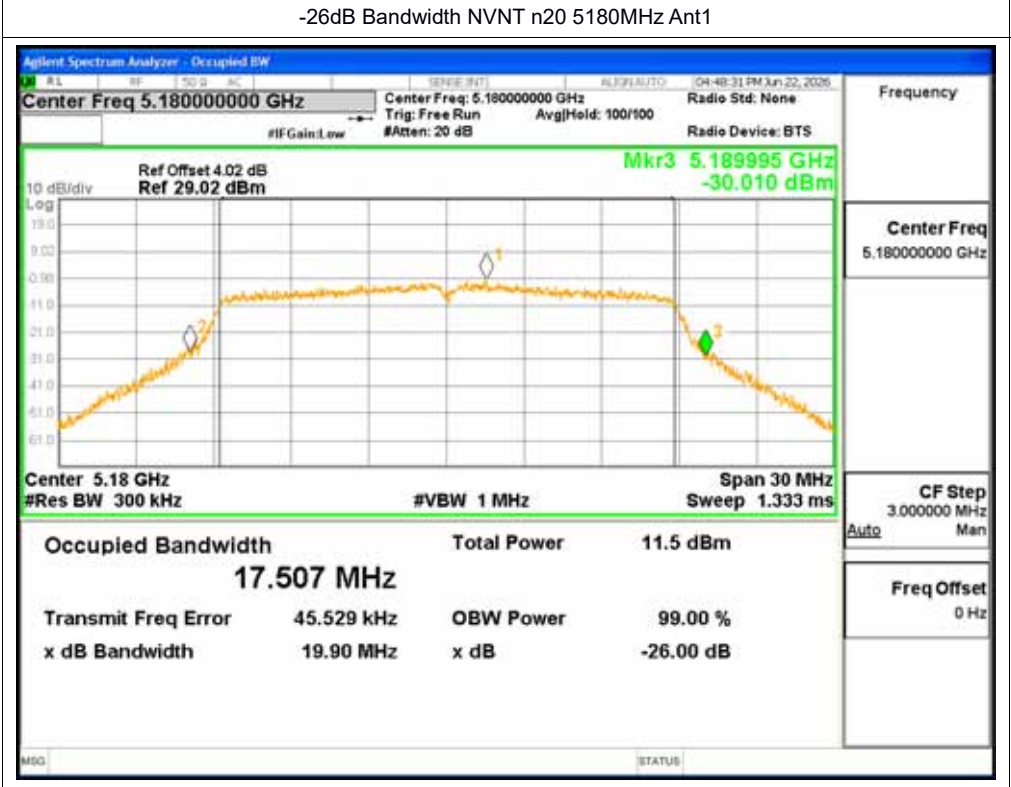
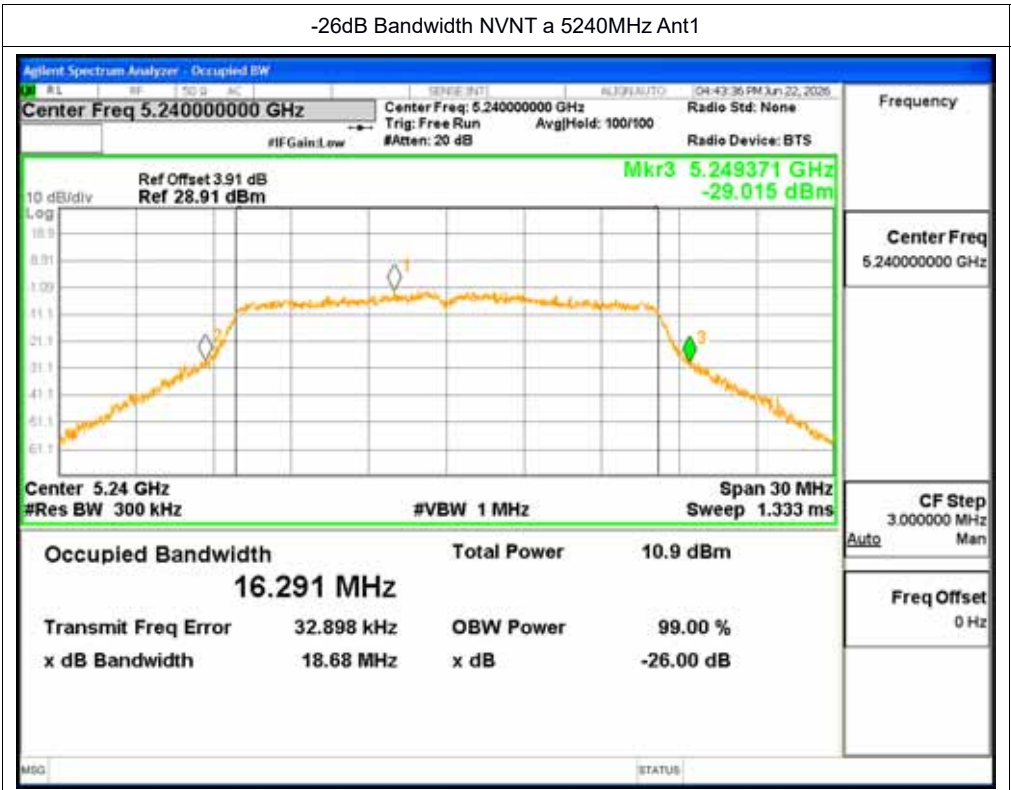
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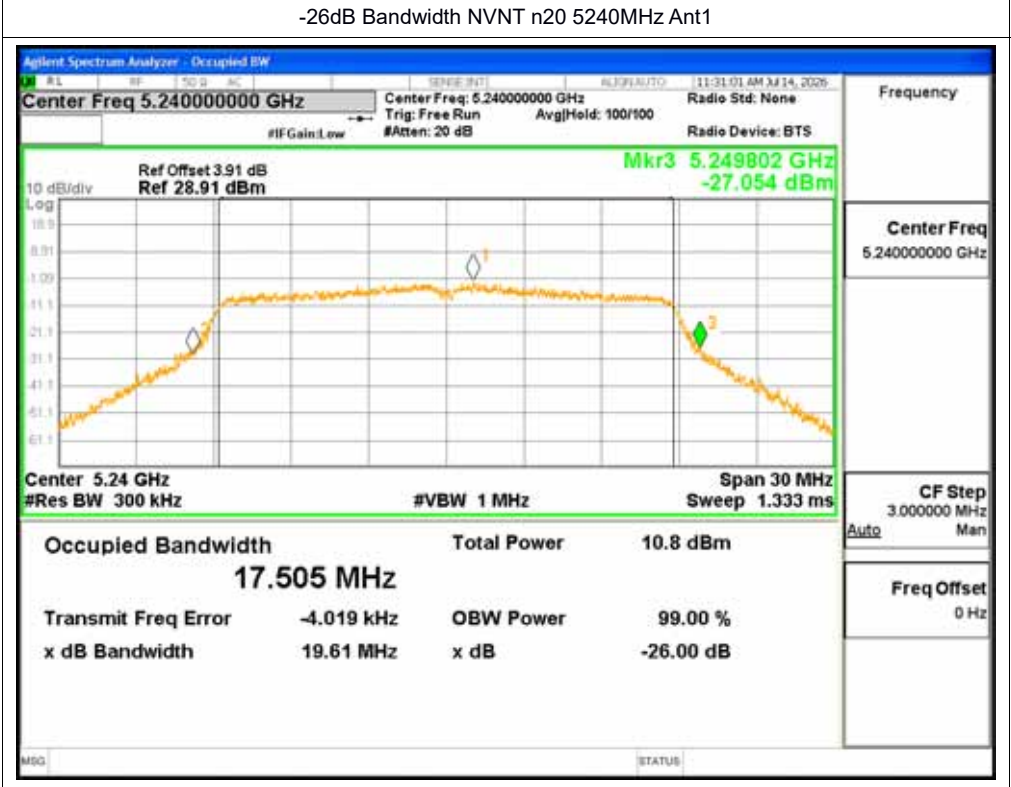
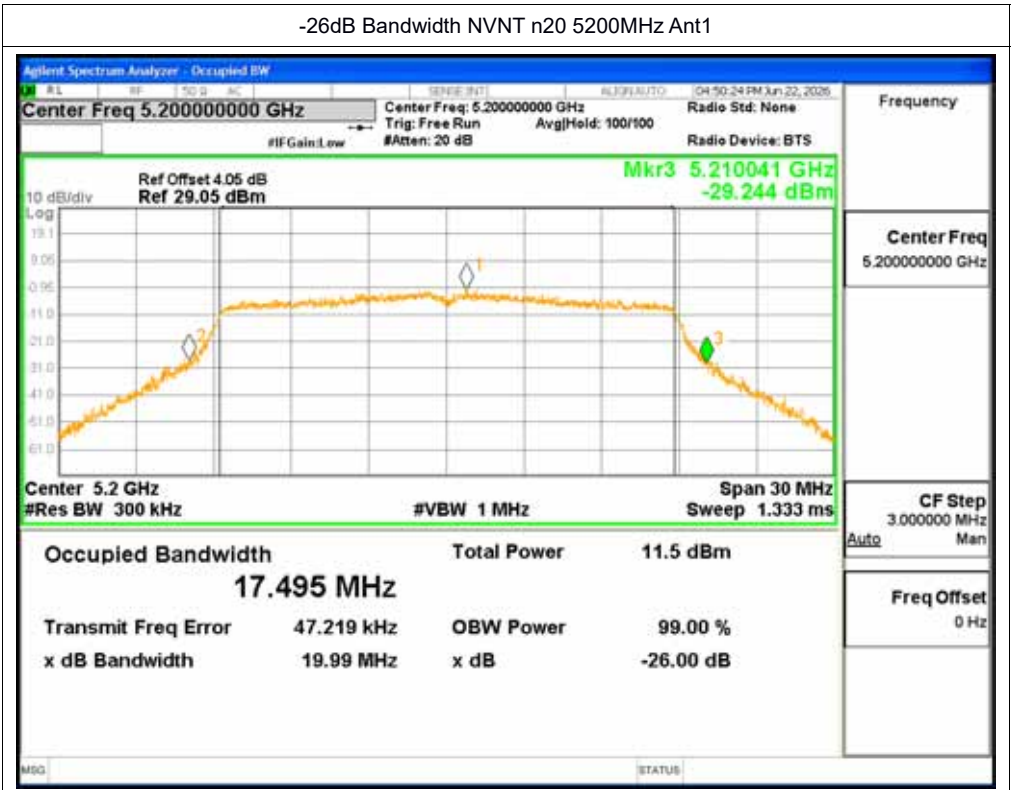
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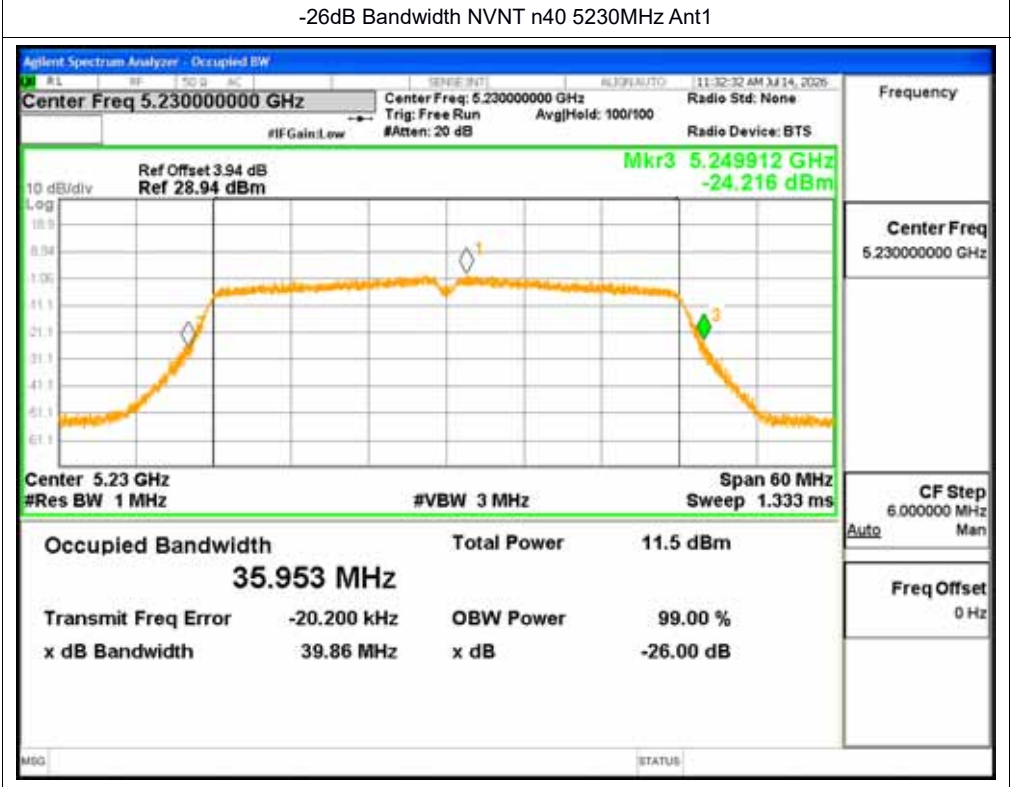
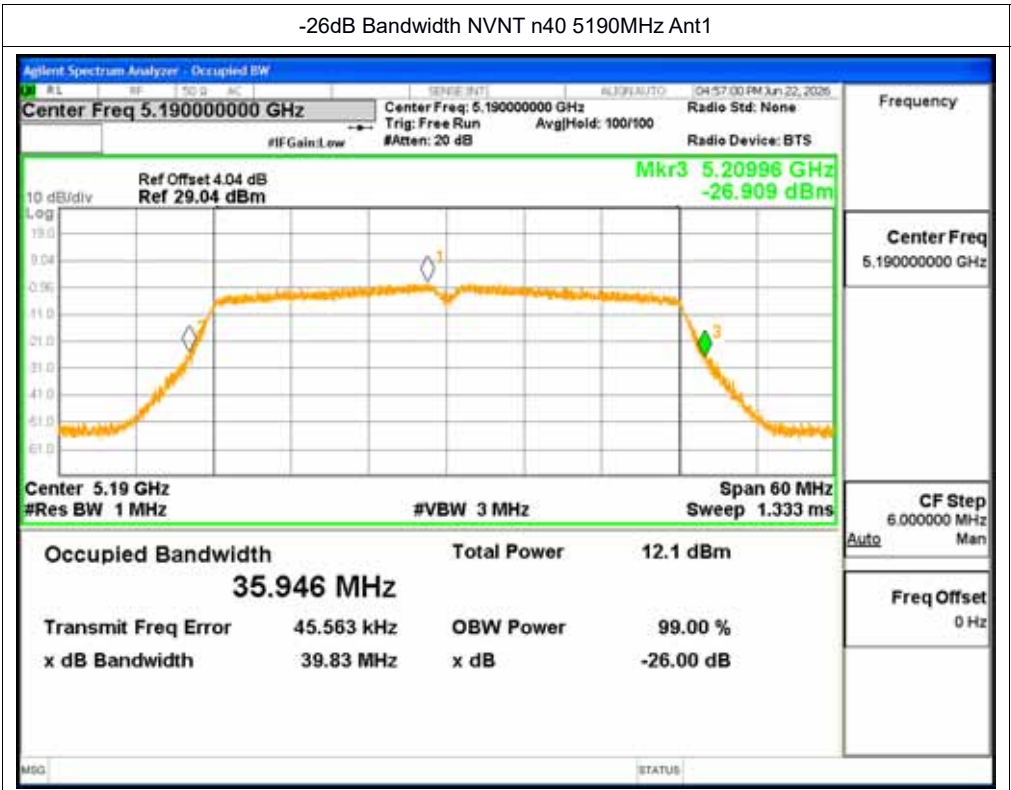
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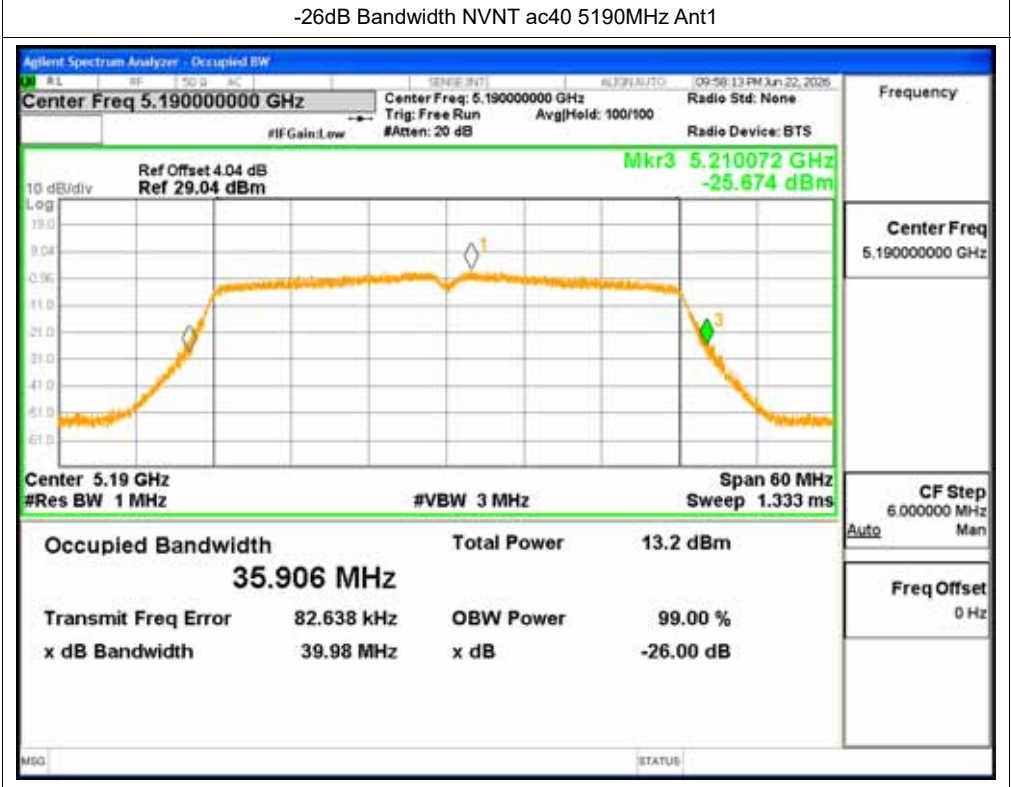
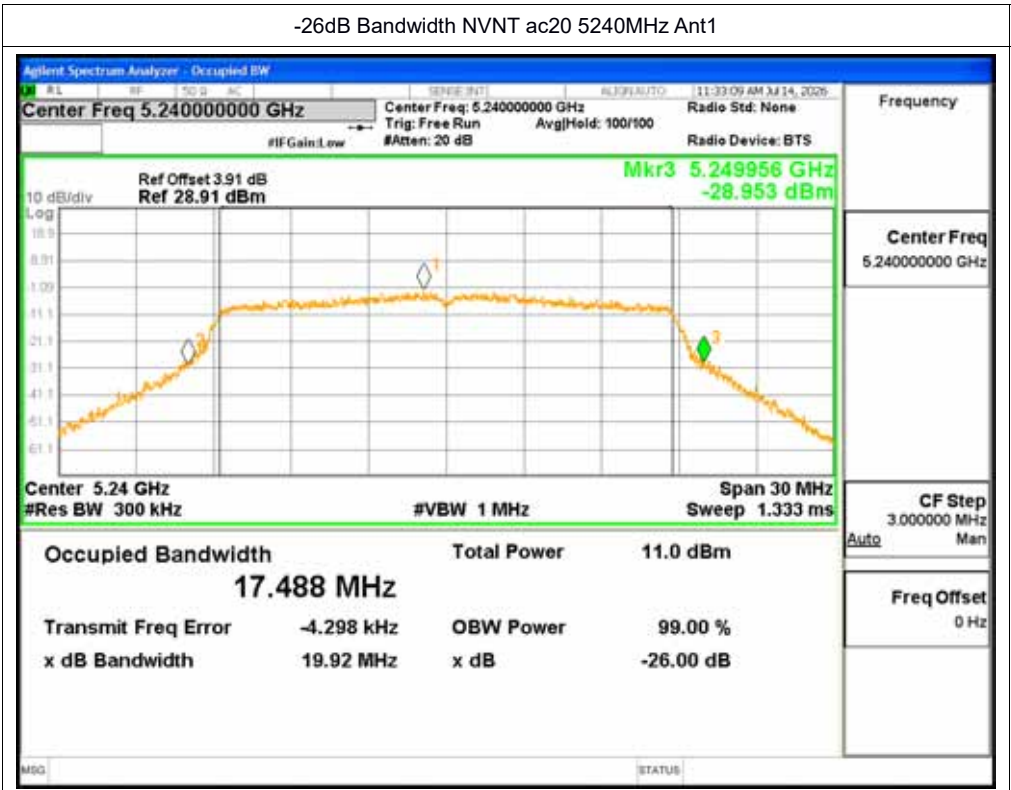
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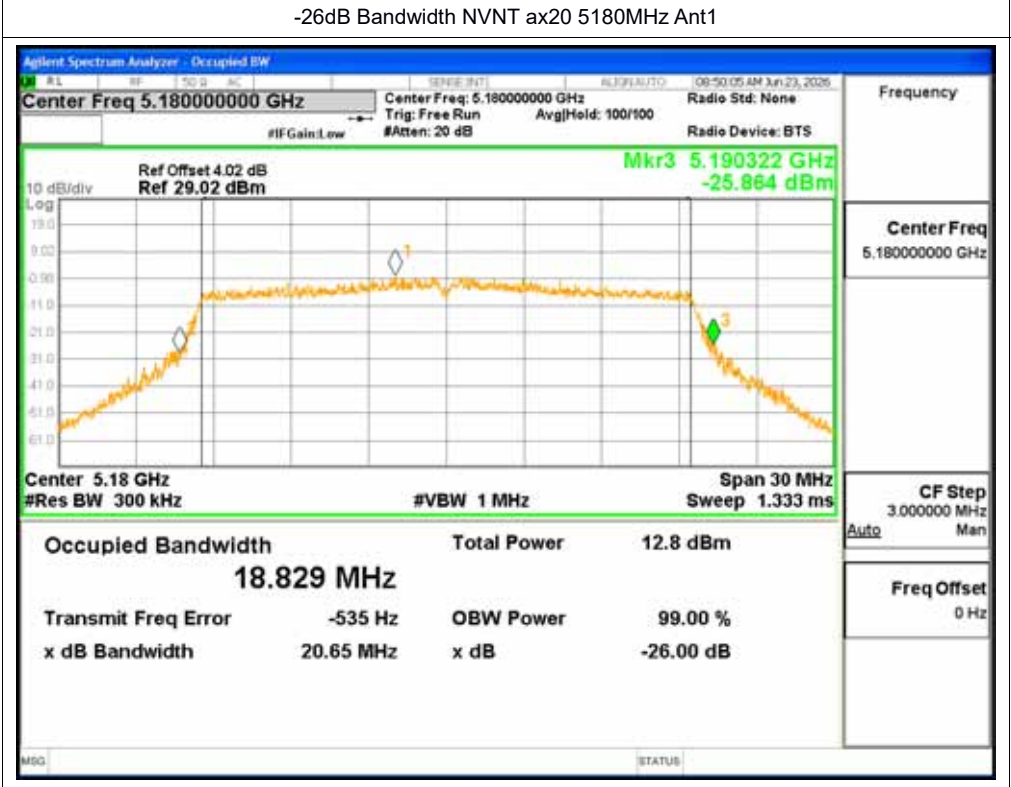
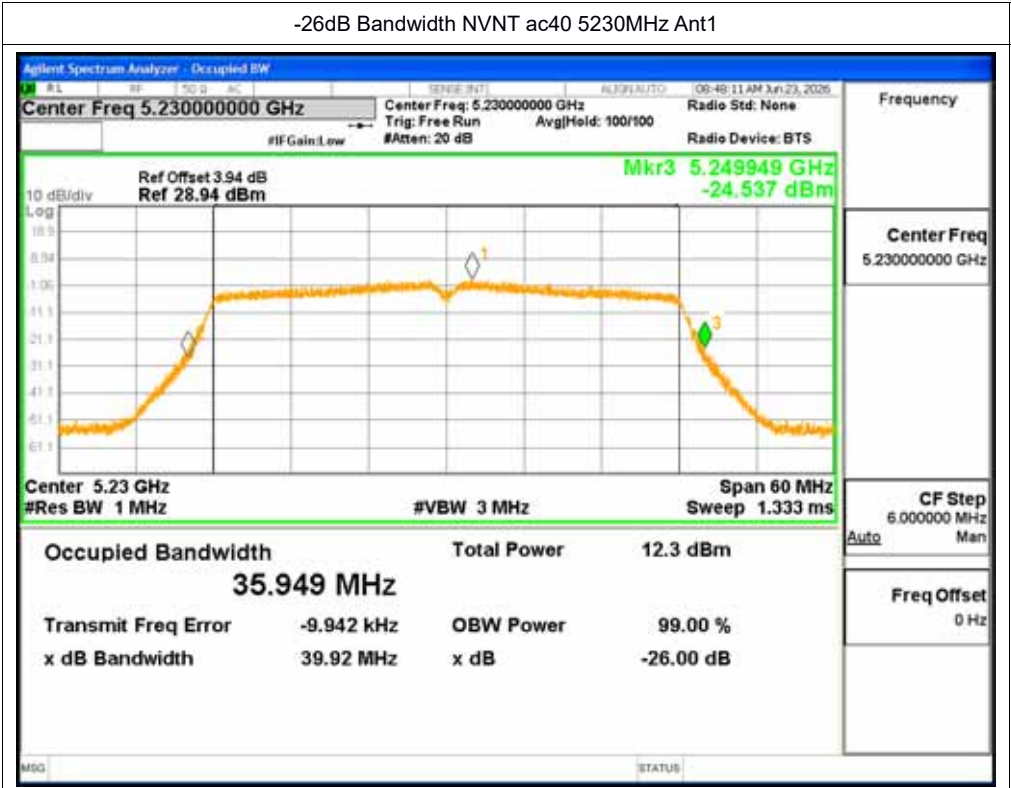
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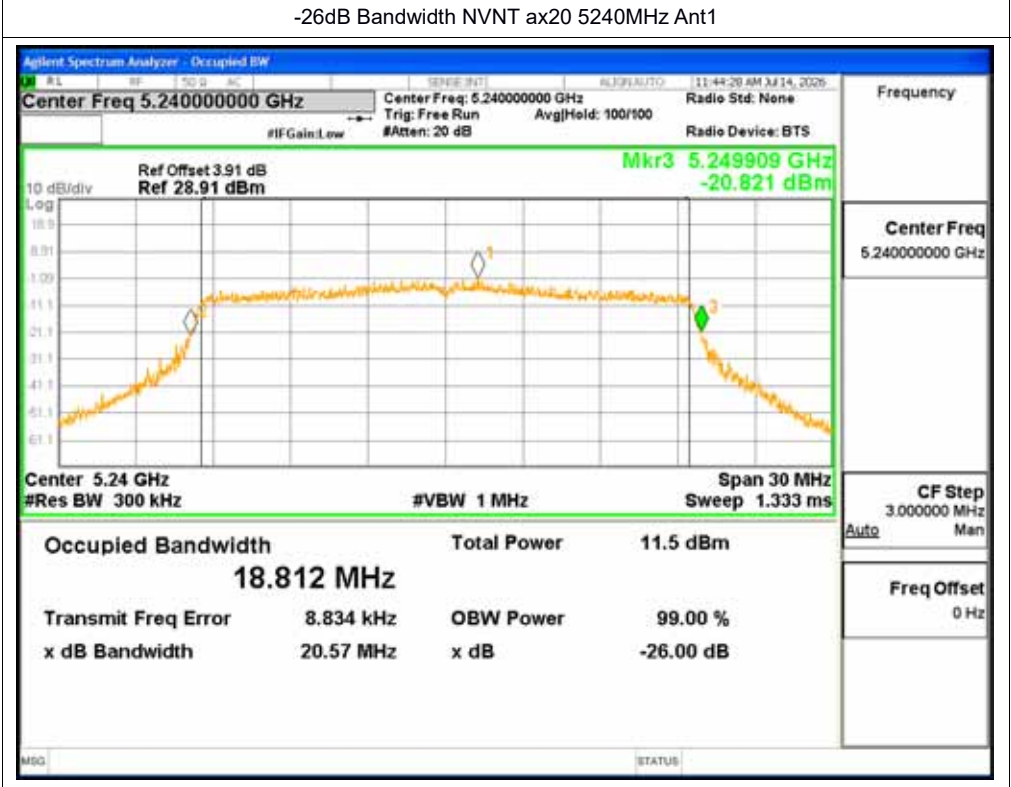
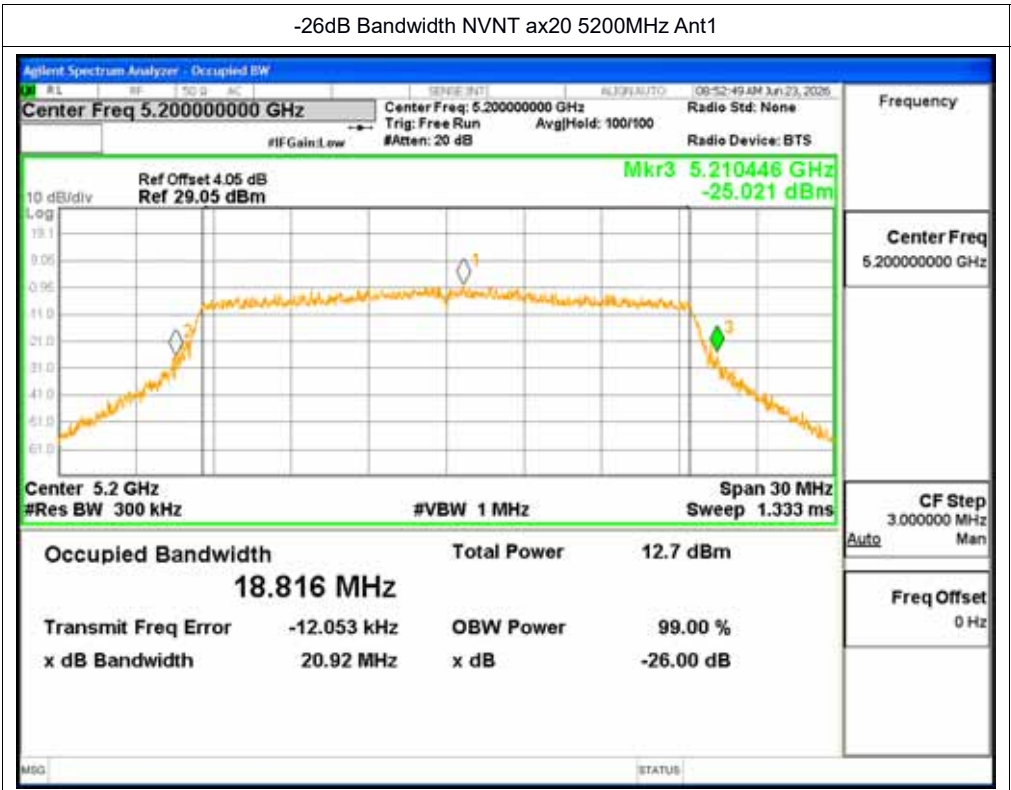
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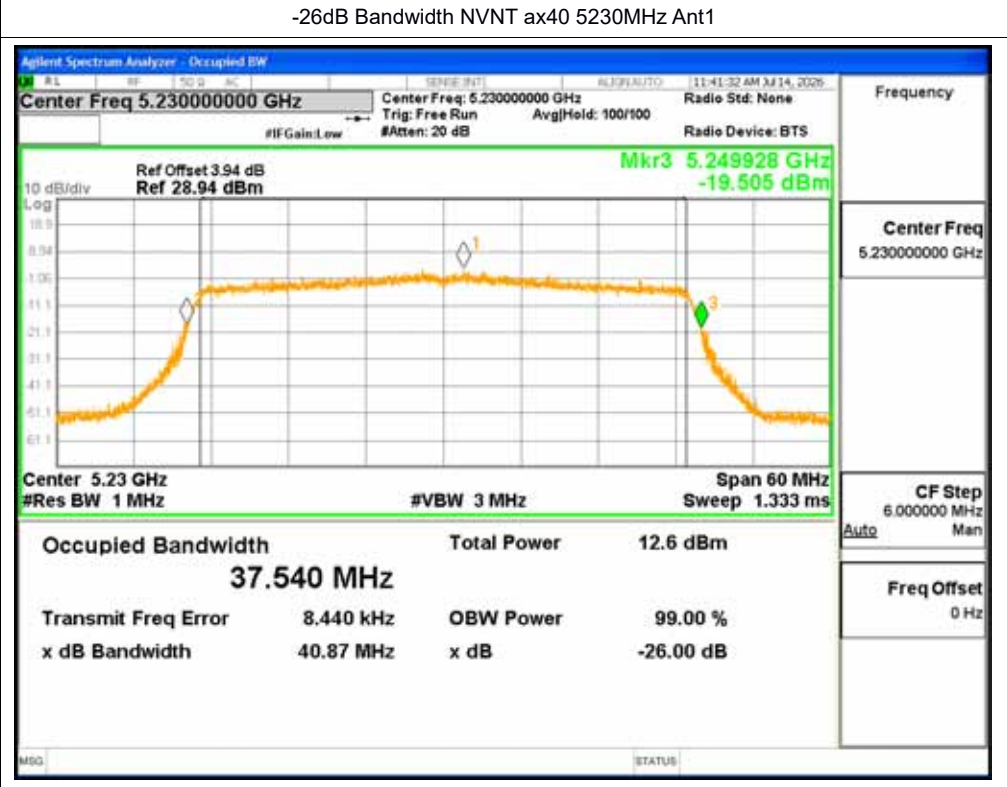
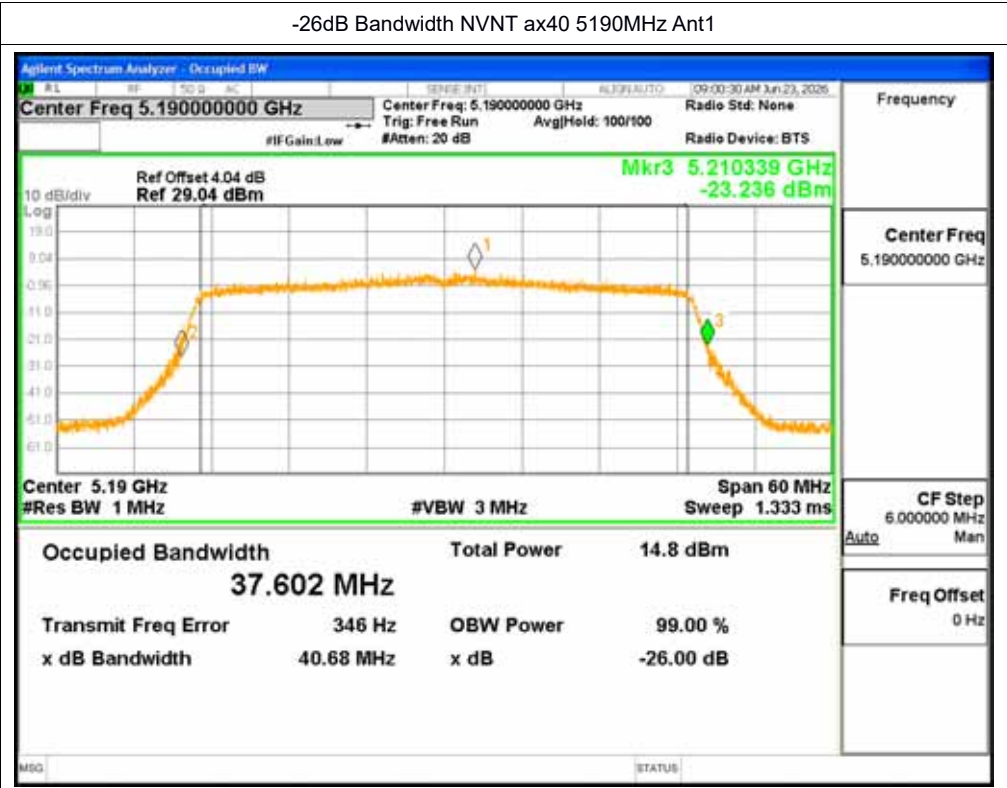
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Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 16.261        |
|           |      | 5200            |         | 16.263        |
|           |      | 5240            |         | 16.255        |
|           | n20  | 5180            |         | 17.47         |
|           |      | 5200            |         | 17.463        |
|           |      | 5240            |         | 17.472        |
|           | n40  | 5190            |         | 35.833        |
|           |      | 5230            |         | 35.79         |
|           | ac20 | 5180            |         | 17.46         |
|           |      | 5200            |         | 17.459        |
|           |      | 5240            |         | 17.457        |
|           | ac40 | 5190            |         | 35.762        |
|           |      | 5230            |         | 35.786        |
|           | ax20 | 5180            |         | 18.824        |
|           |      | 5200            |         | 18.809        |
|           |      | 5240            |         | 18.85         |
|           | ax40 | 5190            |         | 37.477        |
|           |      | 5230            |         | 37.443        |

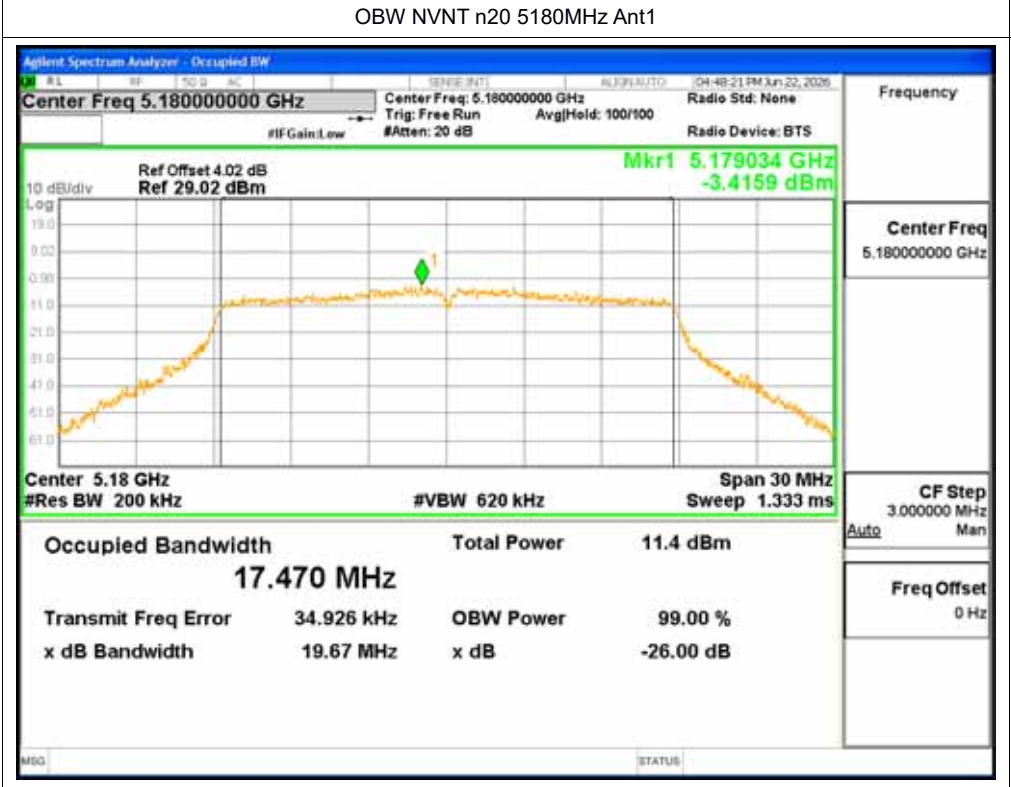
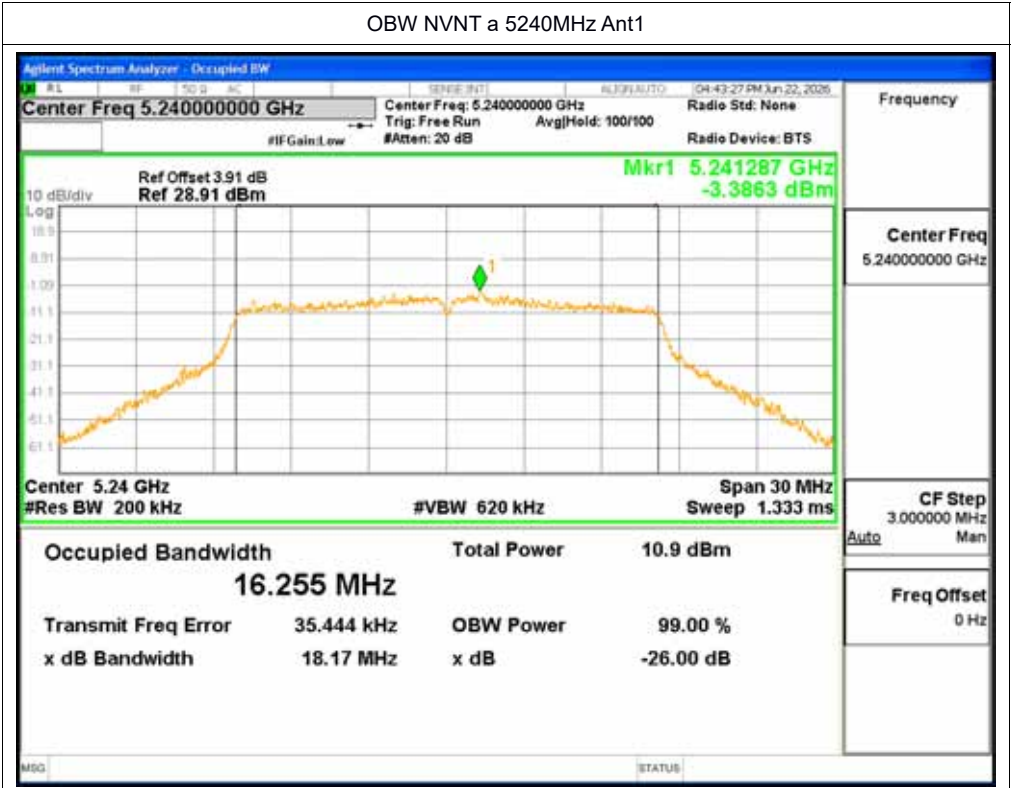
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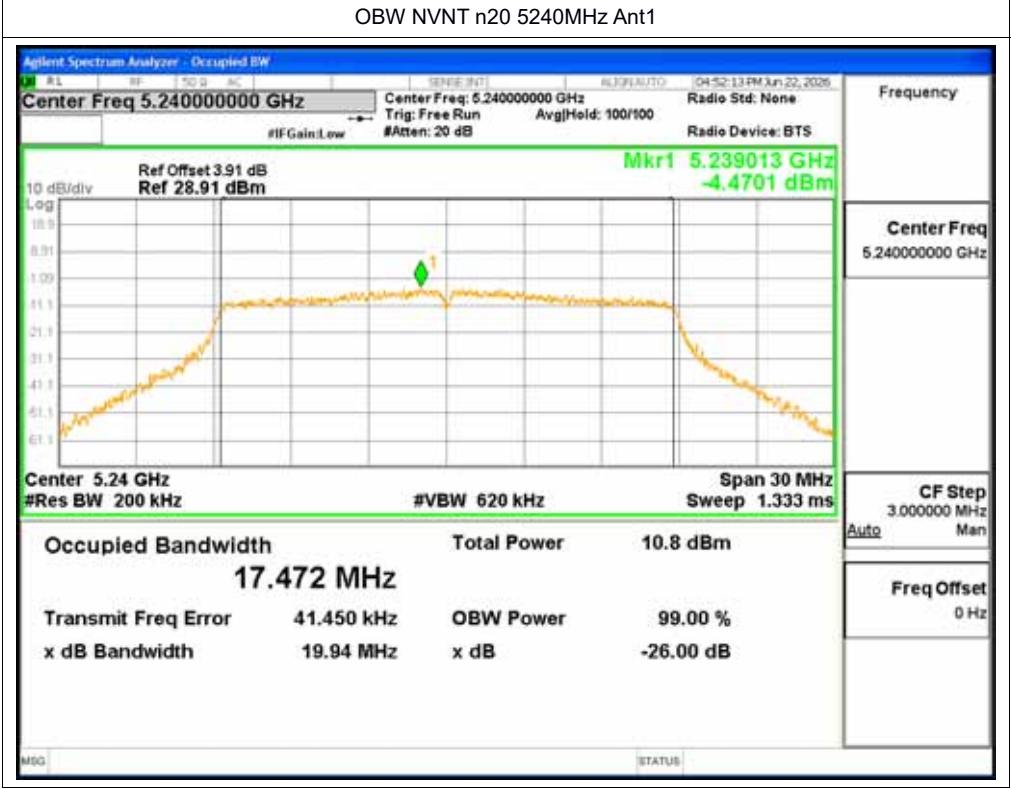
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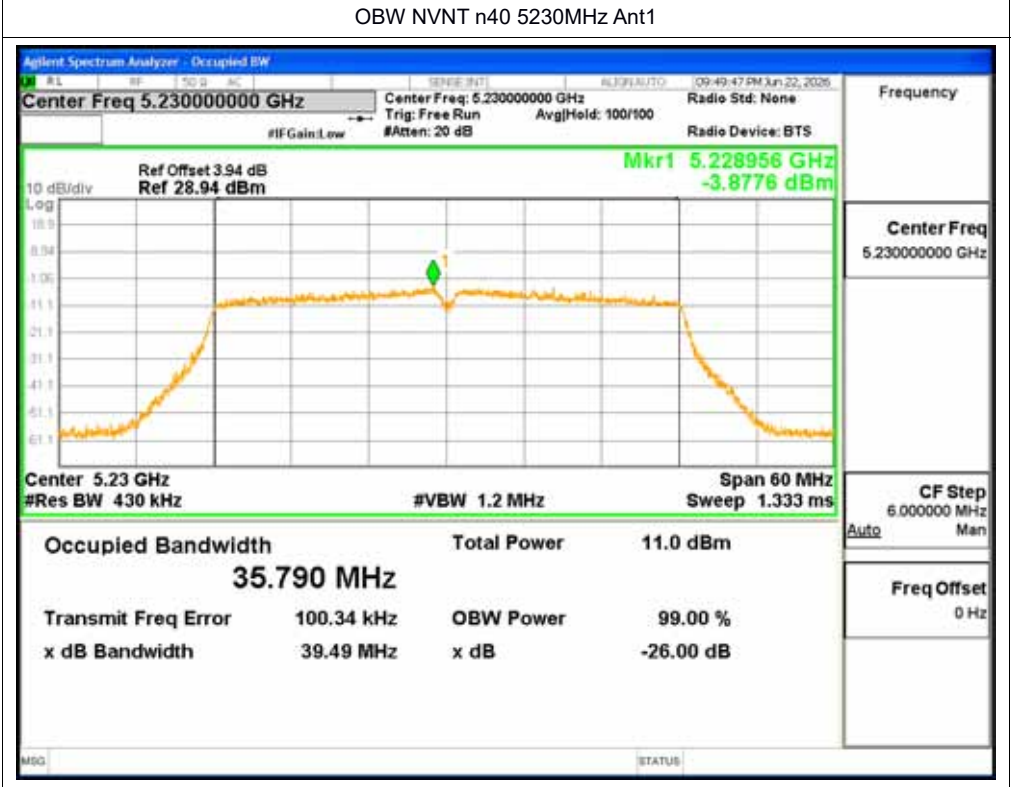
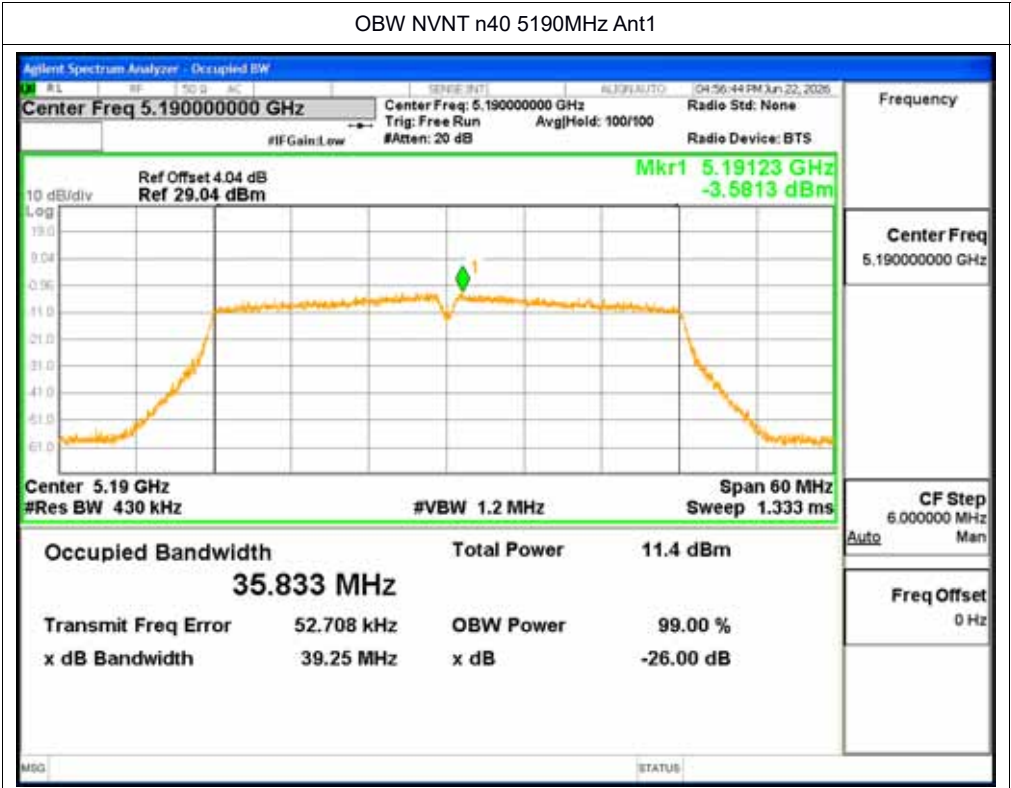
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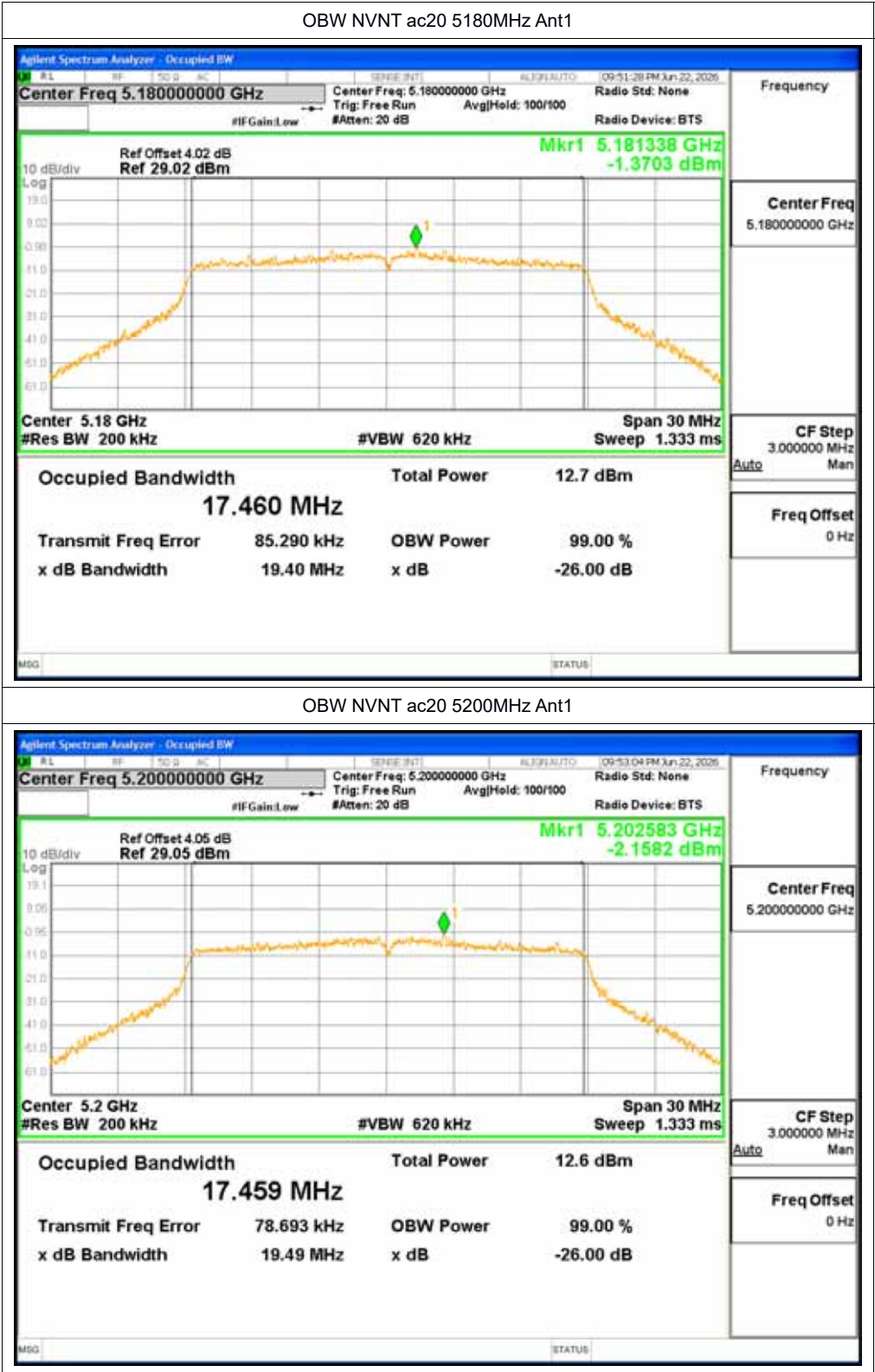
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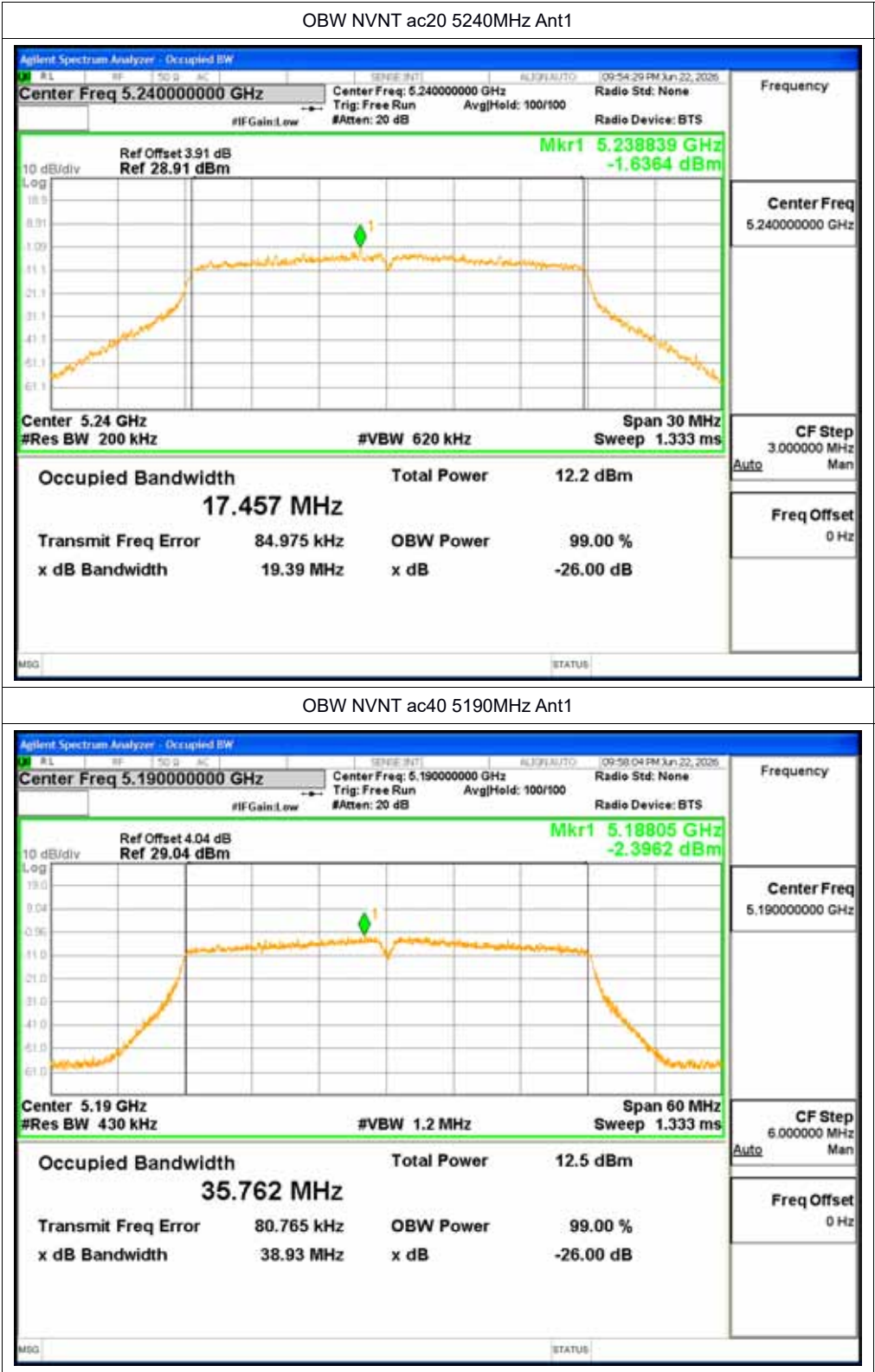
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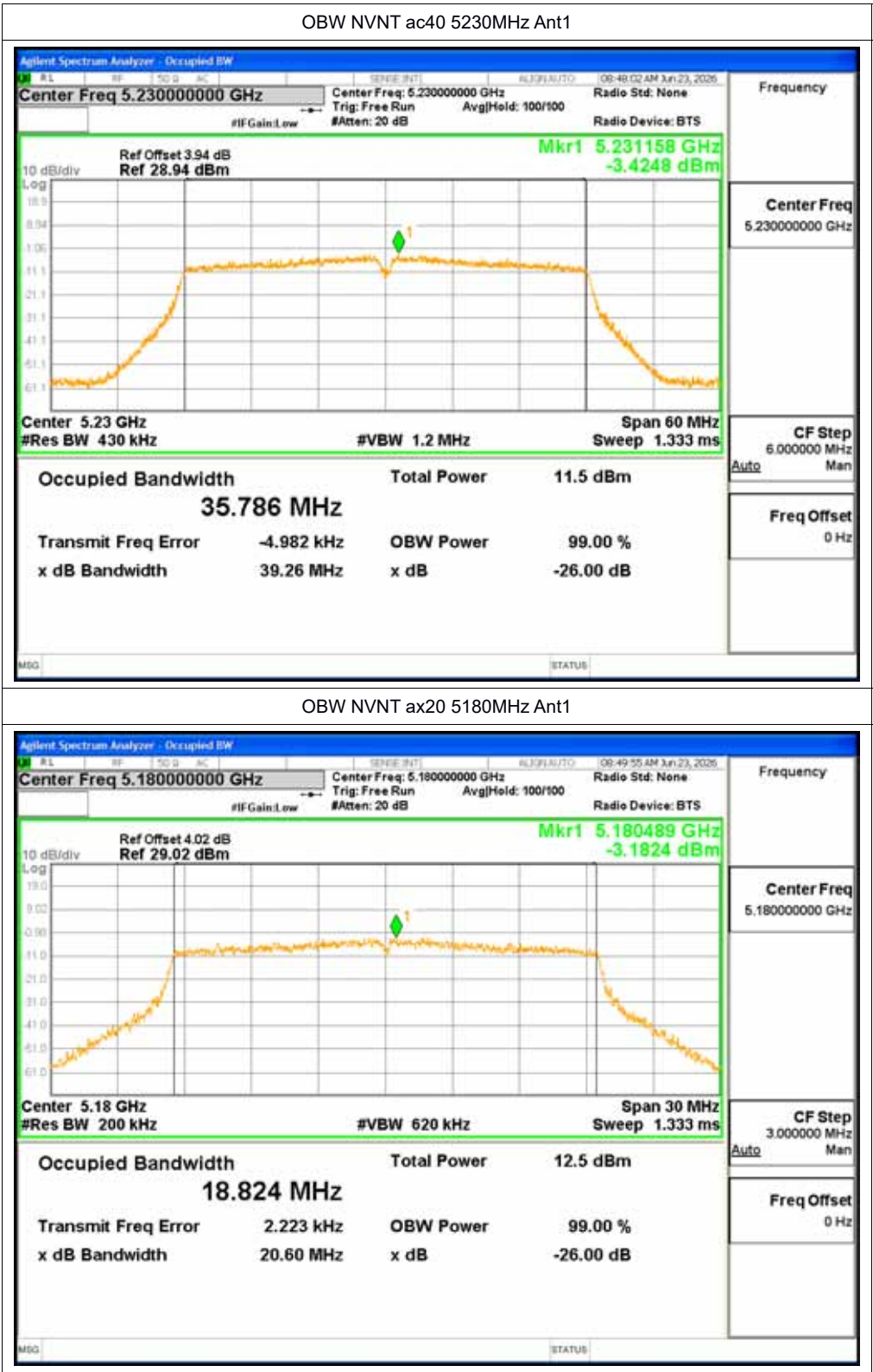
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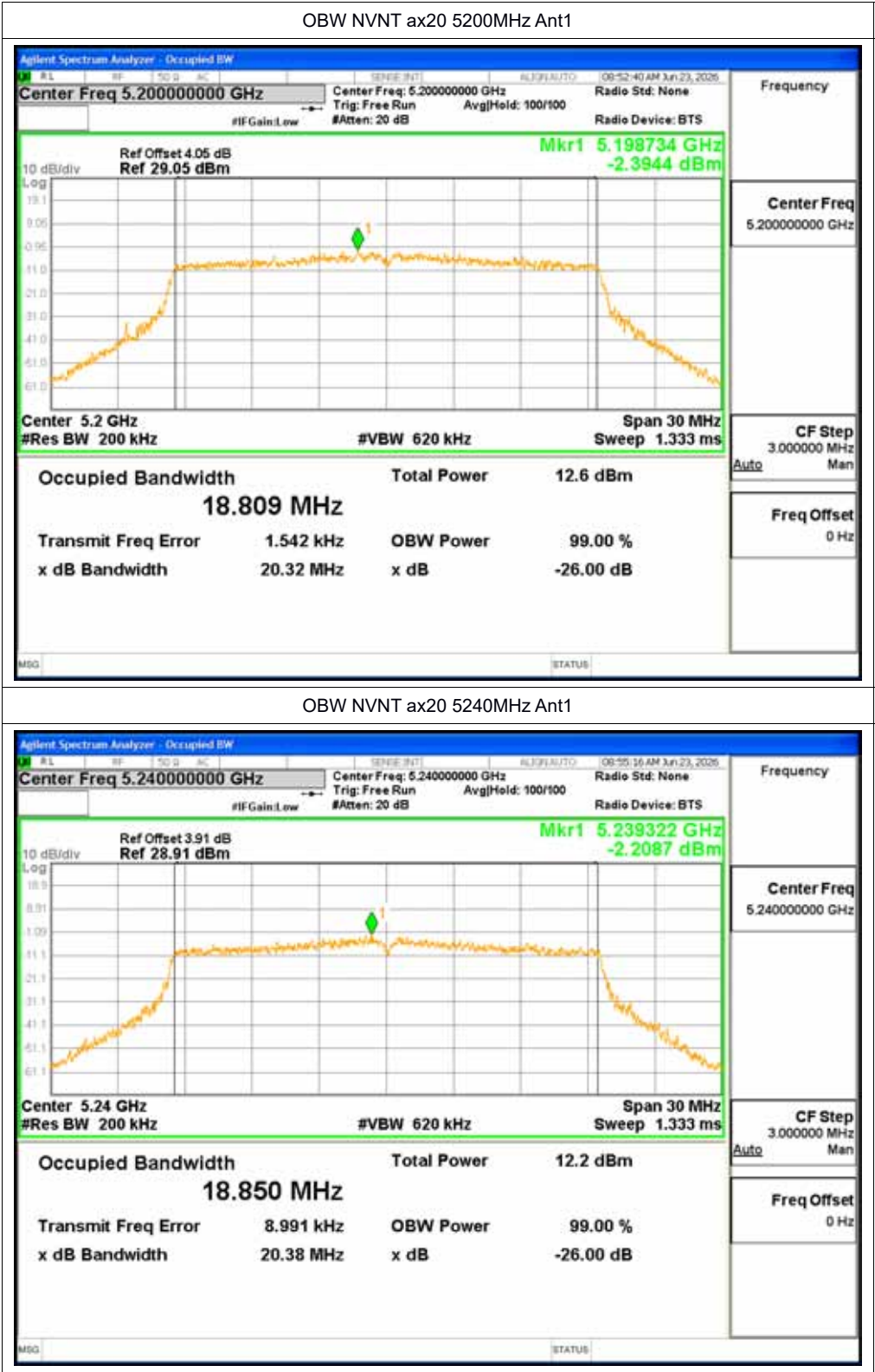
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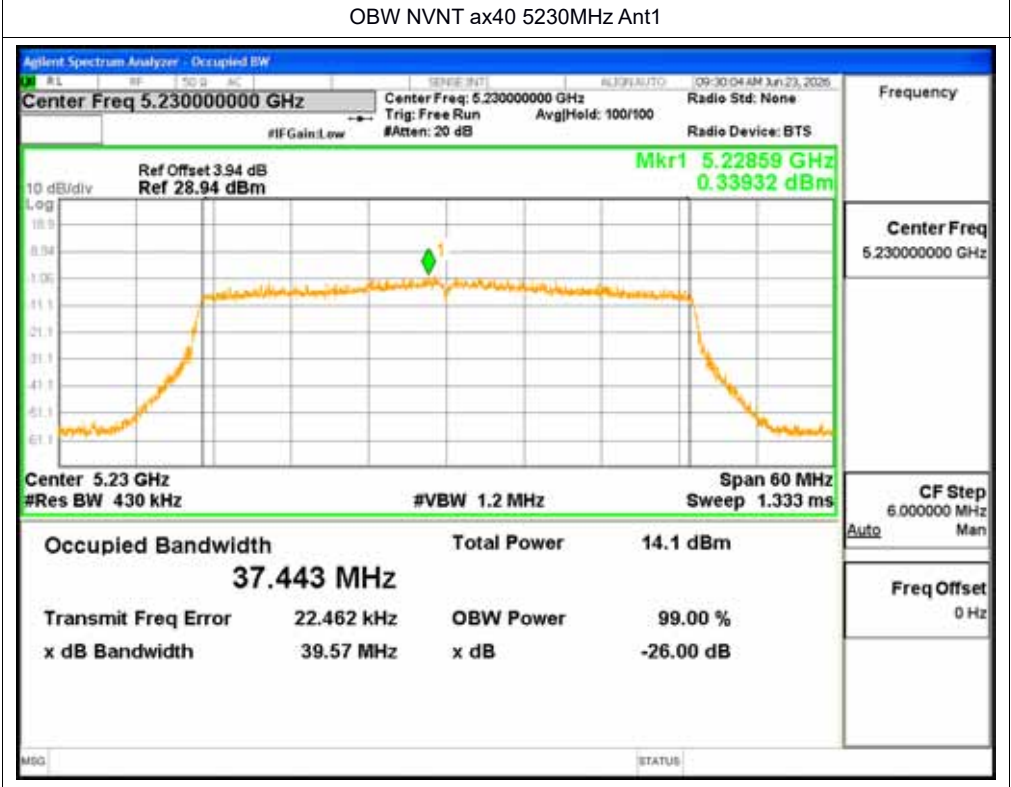
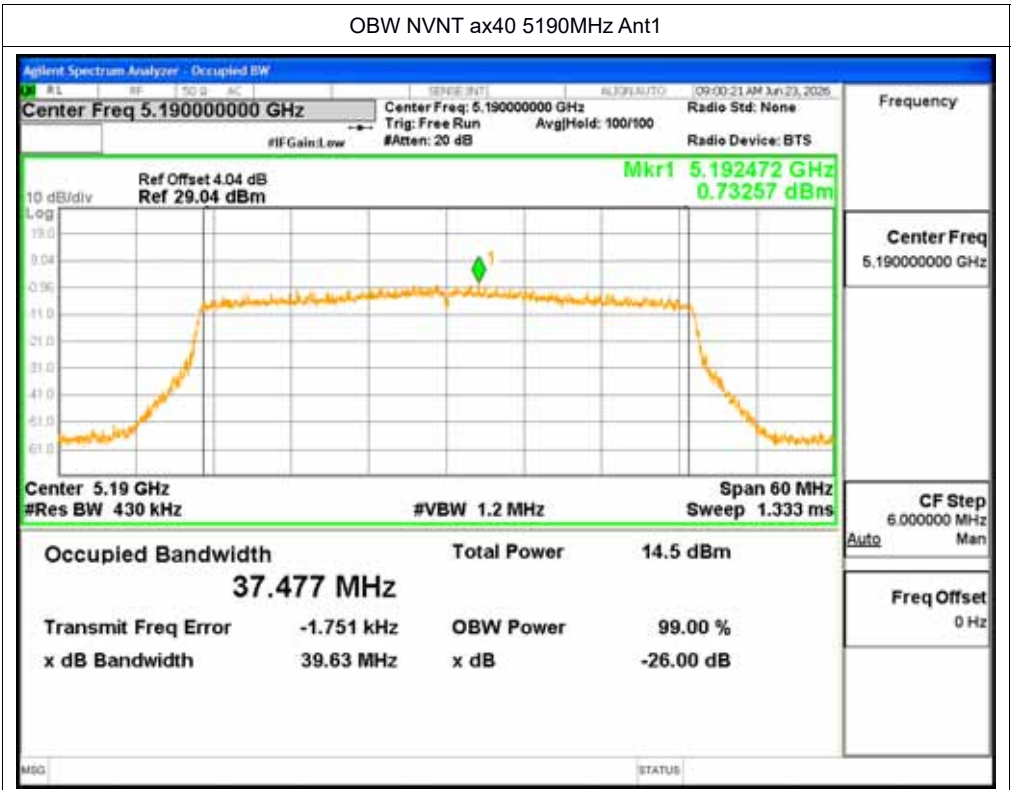
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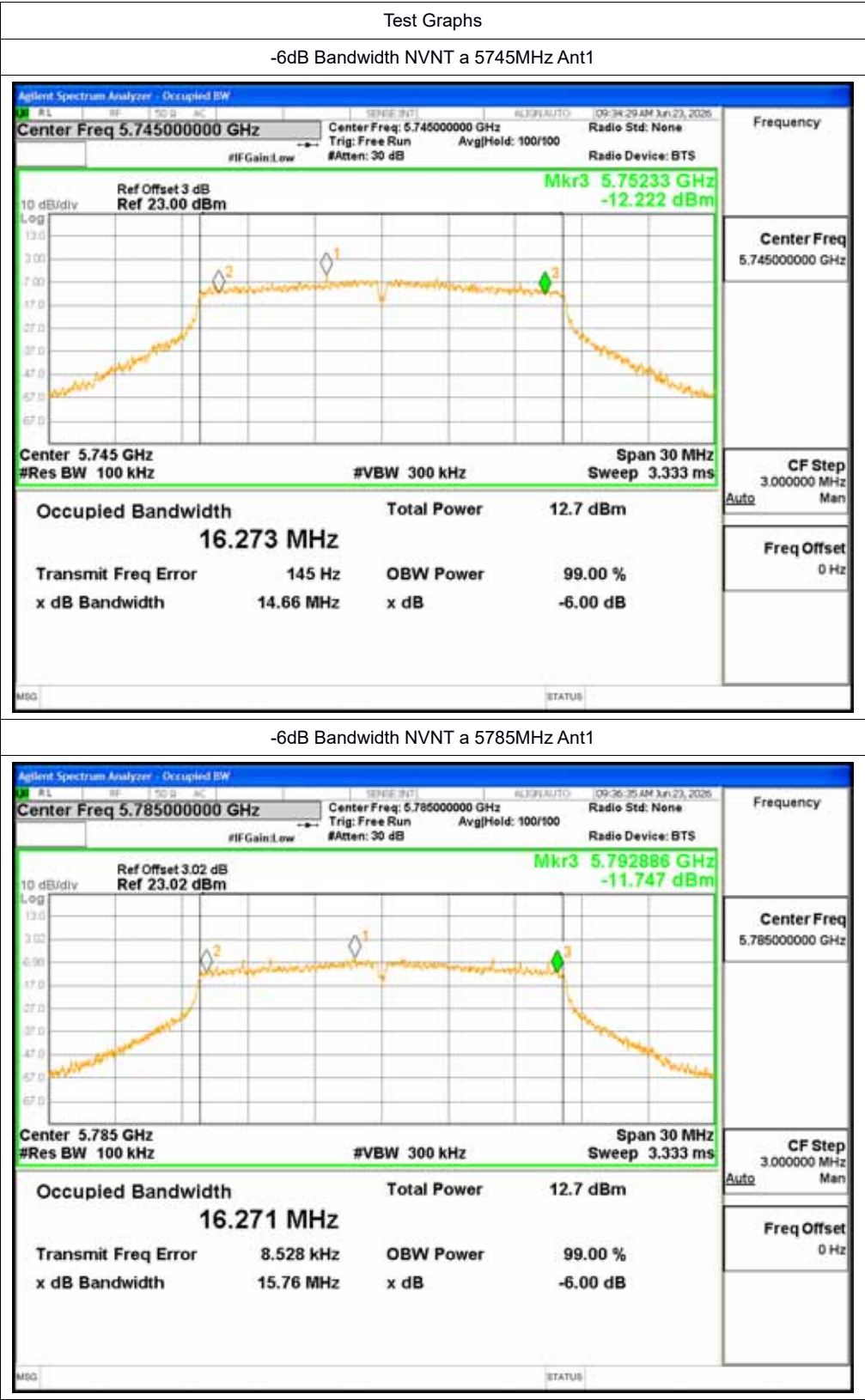
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-6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 14.66                 | 0.5                         | Pass    |
|           |      | 5785            |         | 15.756                | 0.5                         | Pass    |
|           |      | 5825            |         | 15.259                | 0.5                         | Pass    |
|           | n20  | 5745            |         | 16.546                | 0.5                         | Pass    |
|           |      | 5785            |         | 14.883                | 0.5                         | Pass    |
|           |      | 5825            |         | 15.395                | 0.5                         | Pass    |
|           | n40  | 5755            |         | 30.835                | 0.5                         | Pass    |
|           |      | 5795            |         | 29.03                 | 0.5                         | Pass    |
|           | ac20 | 5745            |         | 14.041                | 0.5                         | Pass    |
|           |      | 5785            |         | 16.524                | 0.5                         | Pass    |
|           |      | 5825            |         | 16.901                | 0.5                         | Pass    |
|           | ac40 | 5755            |         | 32.896                | 0.5                         | Pass    |
|           |      | 5795            |         | 33.835                | 0.5                         | Pass    |
|           | ax20 | 5745            |         | 14.005                | 0.5                         | Pass    |
|           |      | 5785            |         | 12.608                | 0.5                         | Pass    |
|           |      | 5825            |         | 16.607                | 0.5                         | Pass    |
|           | ax40 | 5755            |         | 35.786                | 0.5                         | Pass    |
|           |      | 5795            |         | 31.059                | 0.5                         | Pass    |

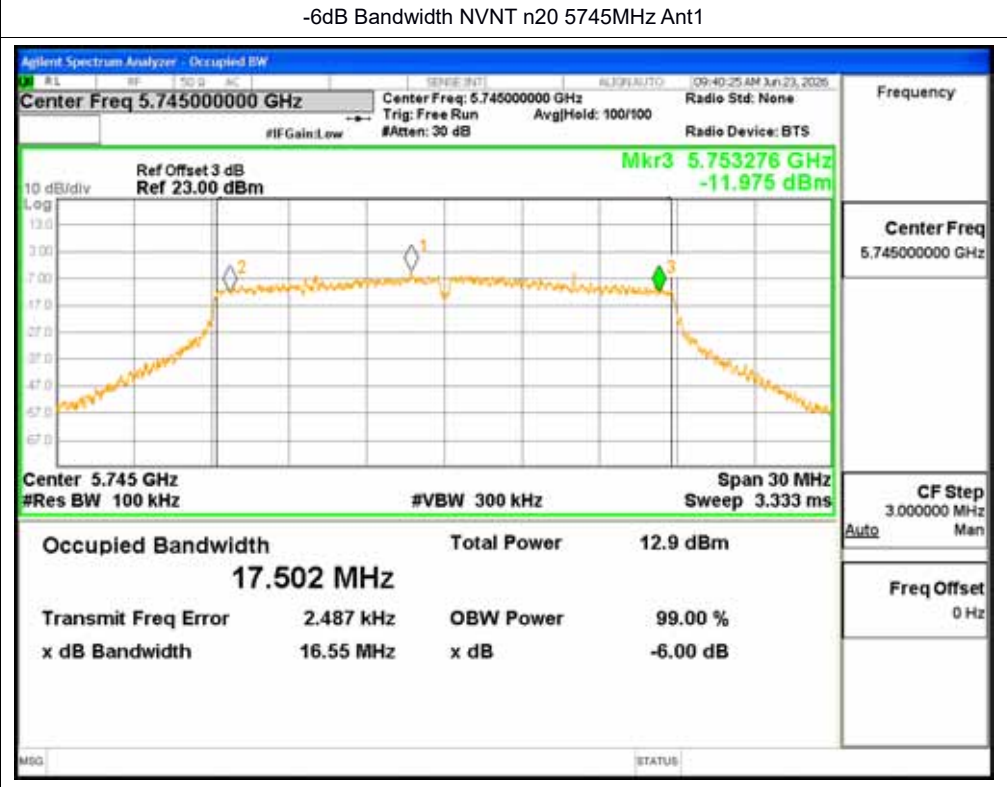
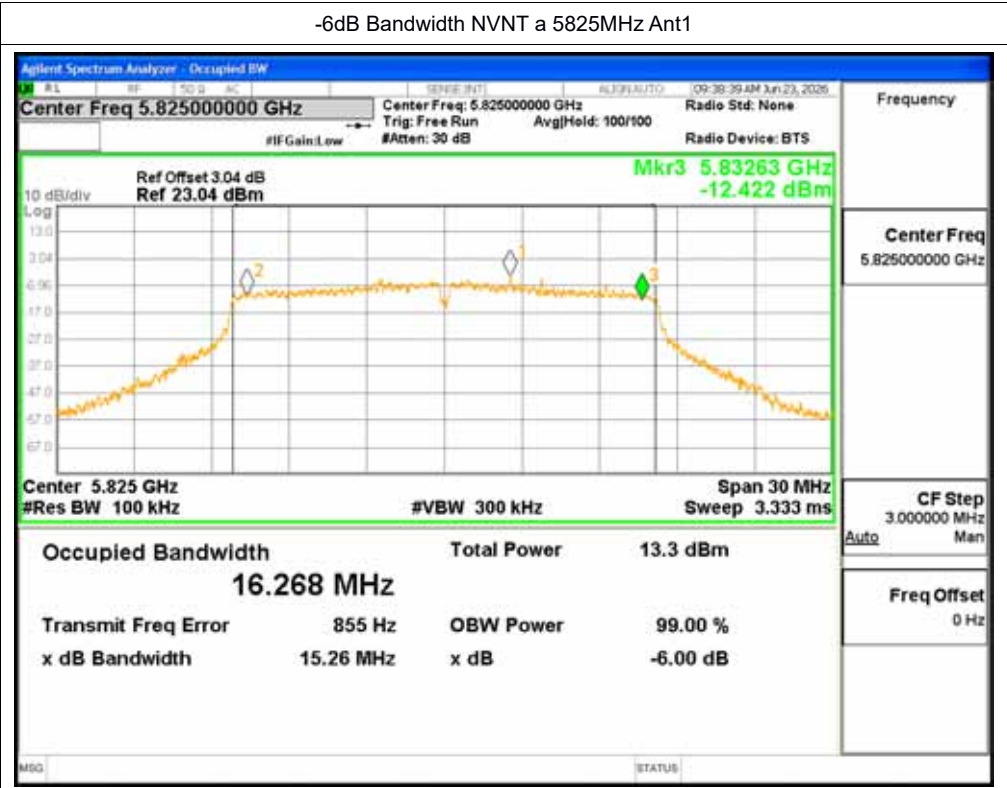
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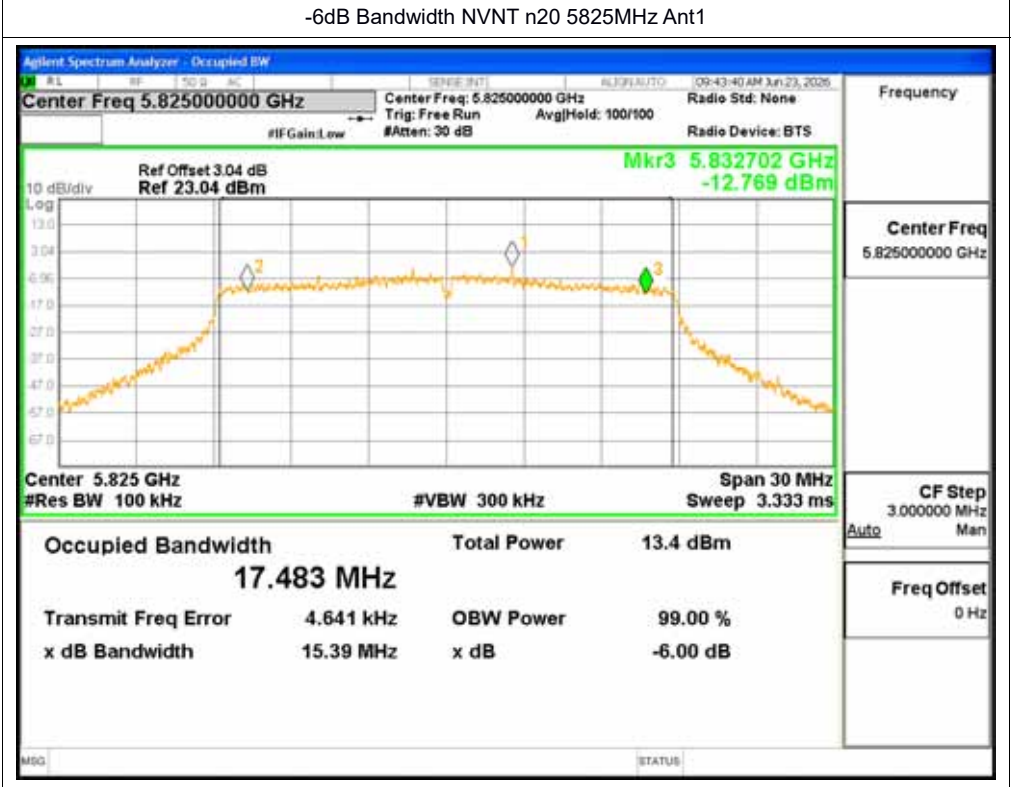
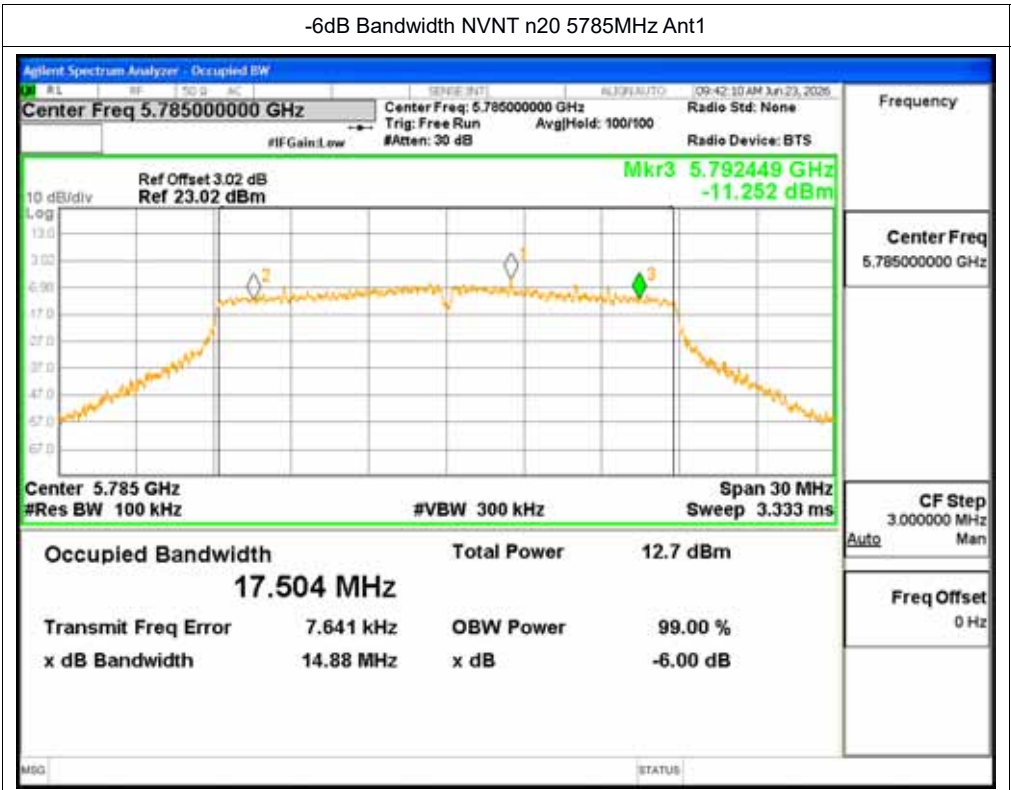
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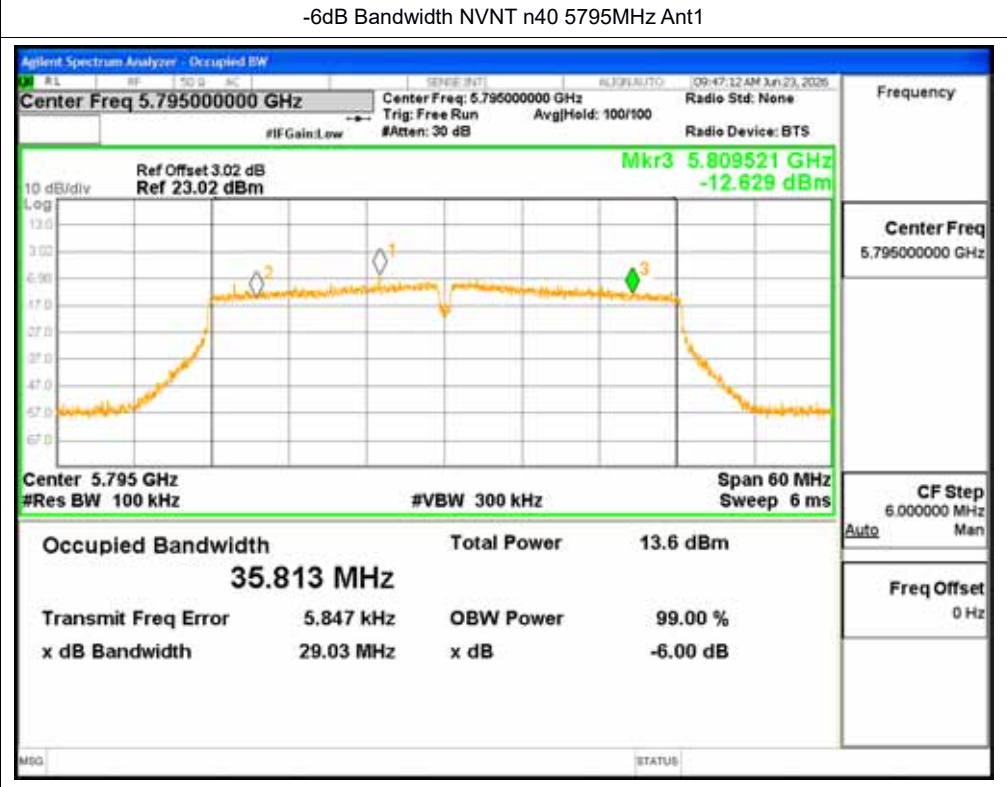
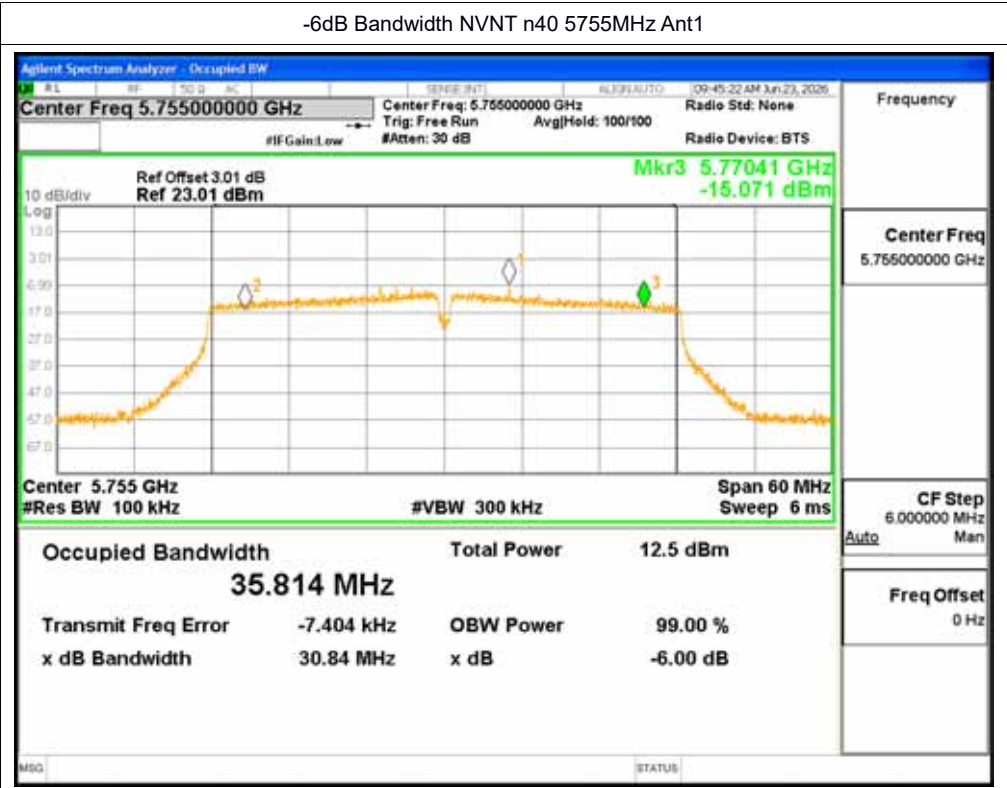
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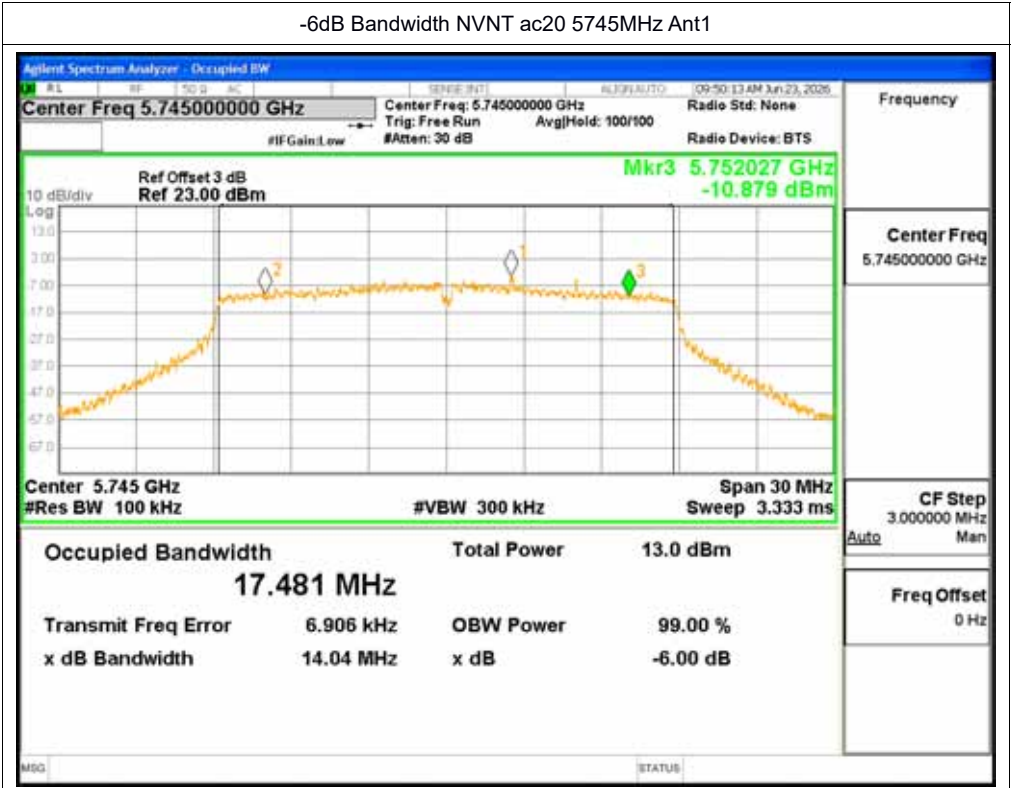
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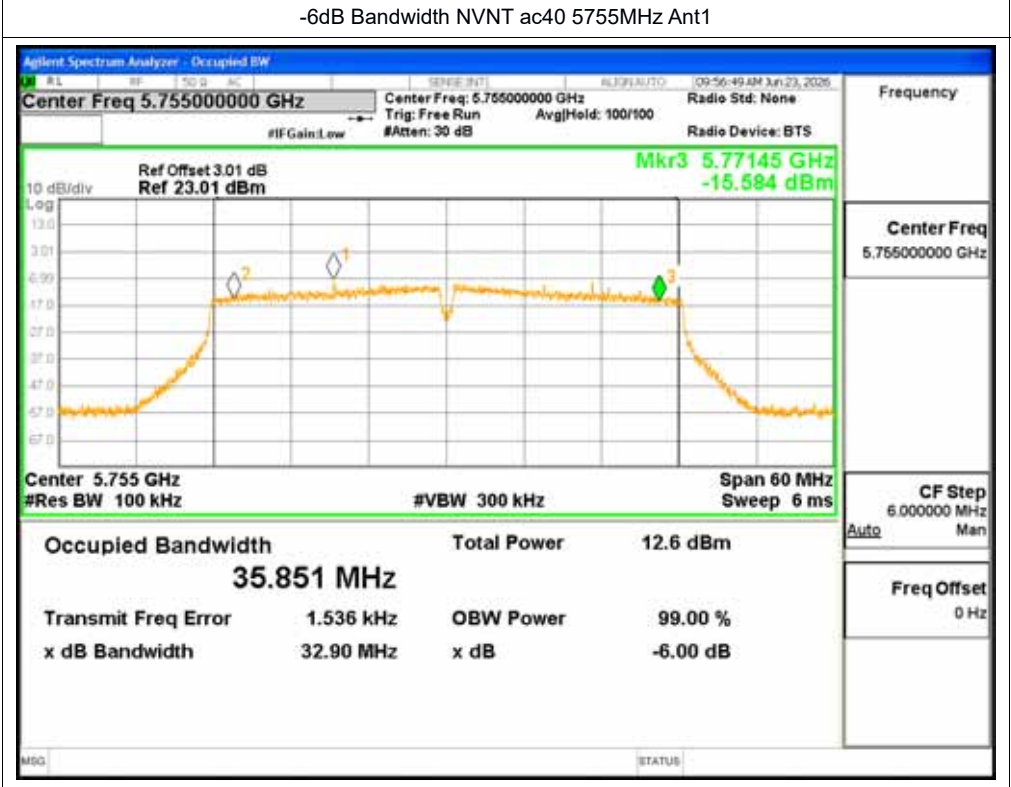
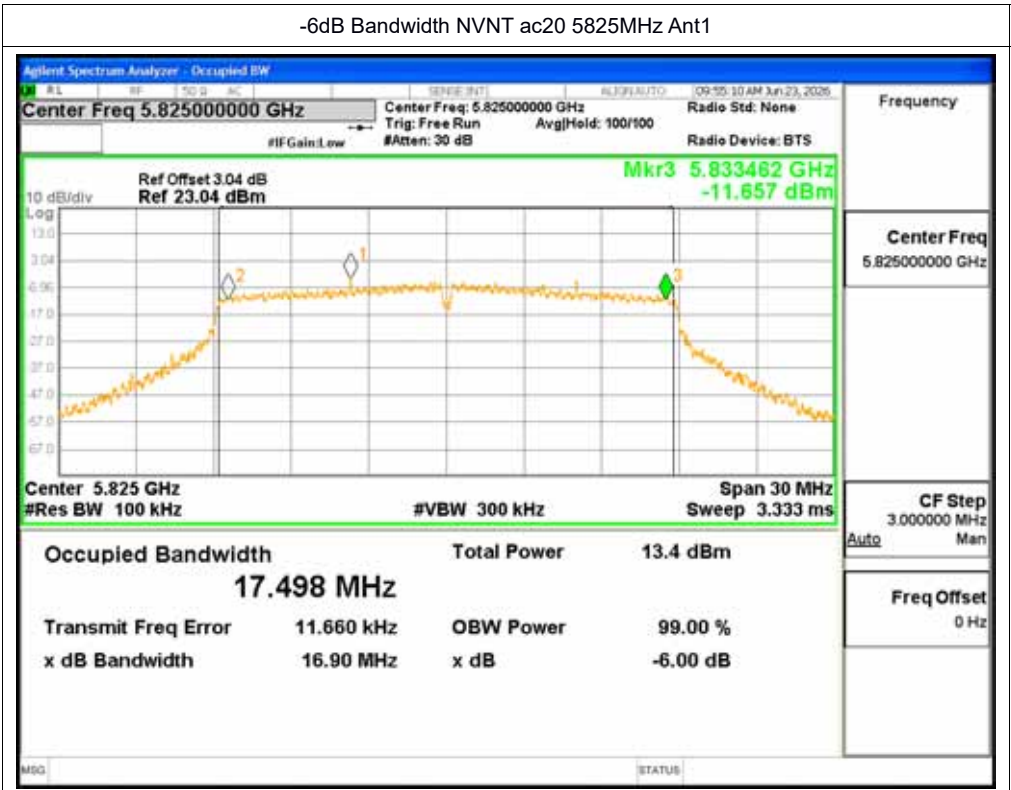
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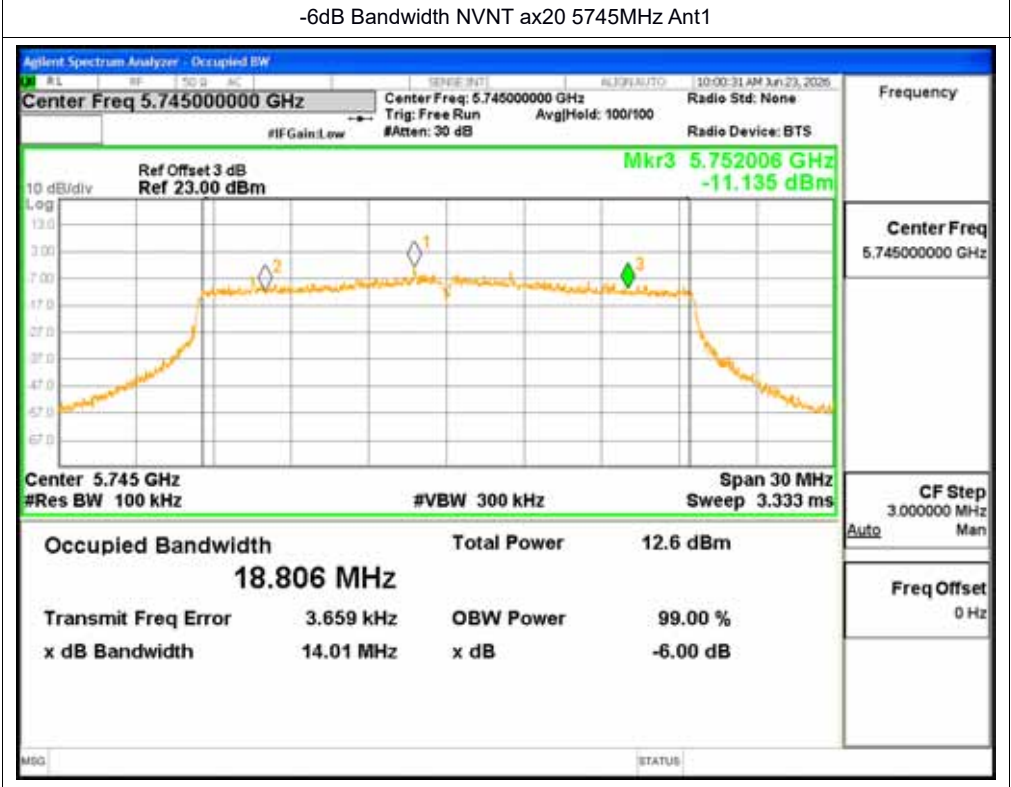
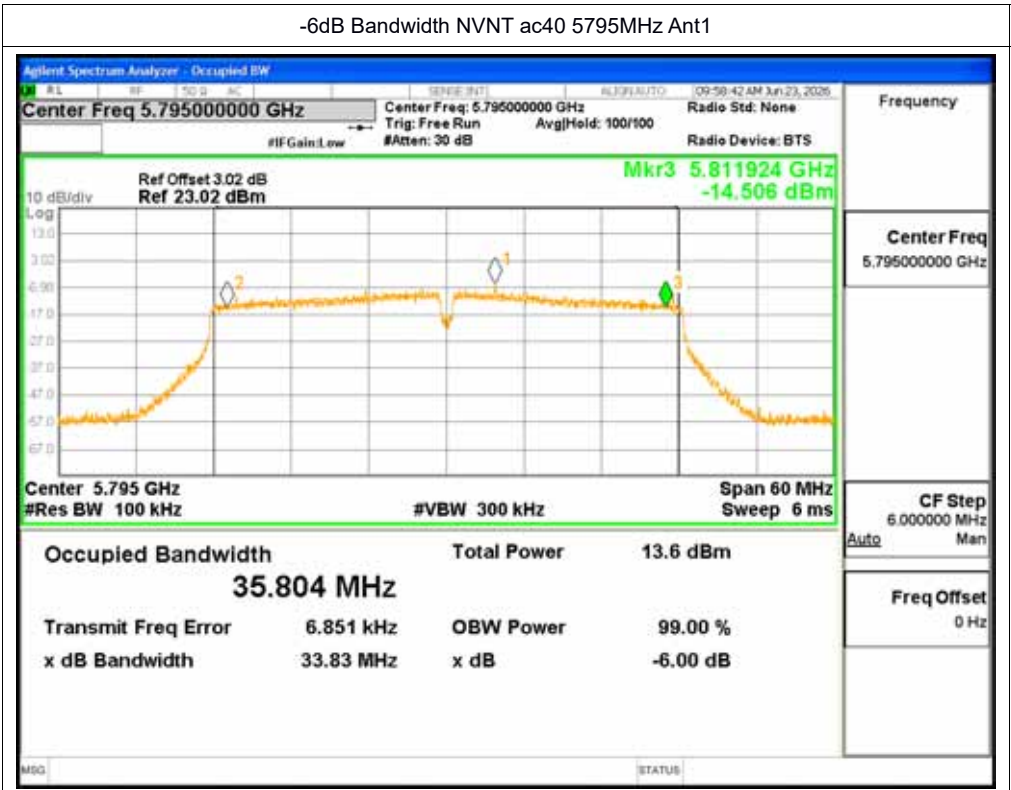
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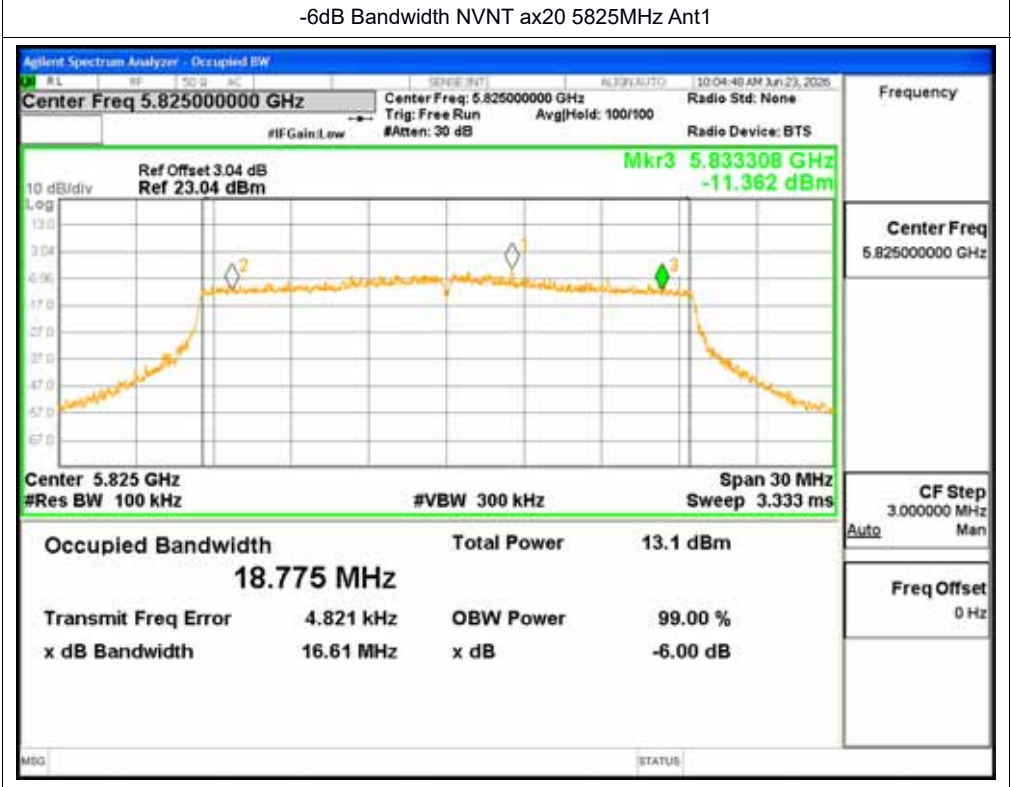
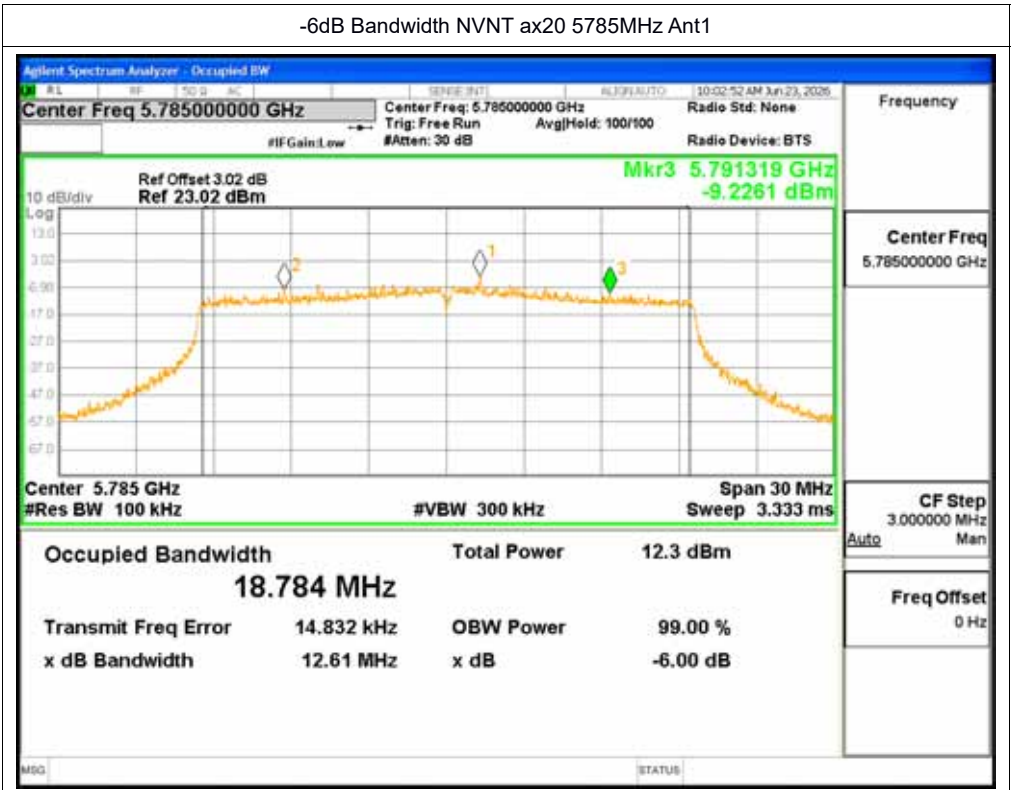
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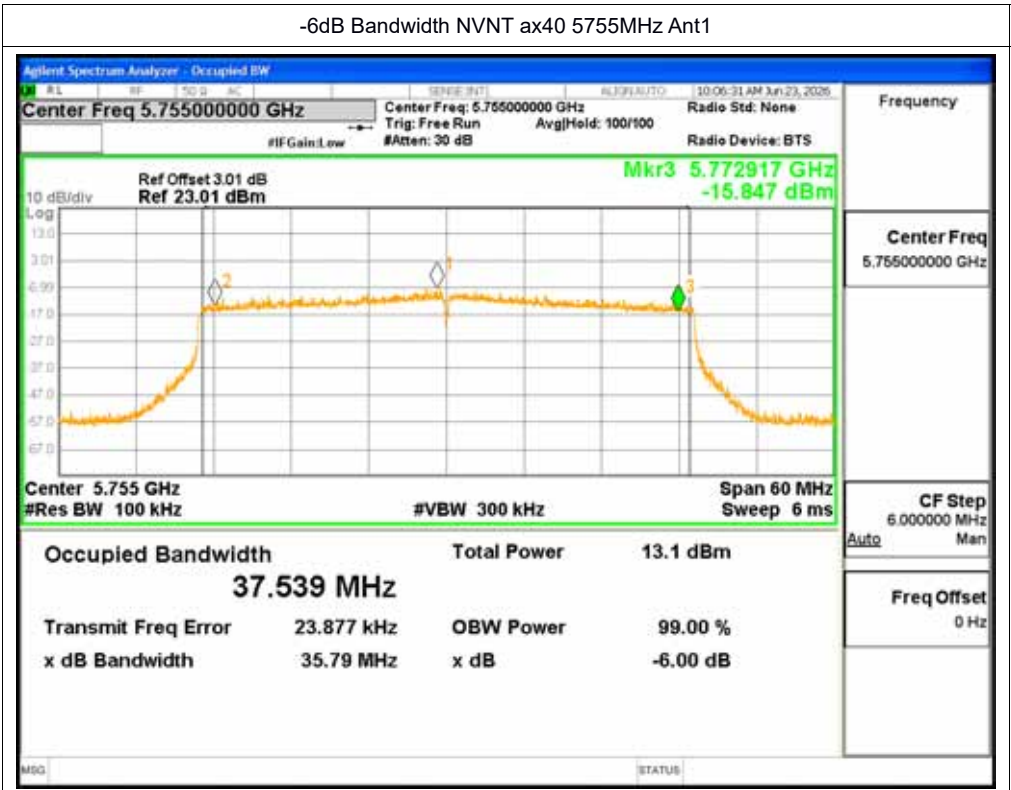
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Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.264        |
|           |      | 5785            |         | 16.257        |
|           |      | 5825            |         | 16.233        |
|           | n20  | 5745            |         | 17.467        |
|           |      | 5785            |         | 17.478        |
|           |      | 5825            |         | 17.48         |
|           | n40  | 5755            |         | 35.848        |
|           |      | 5795            |         | 35.798        |
|           | ac20 | 5745            |         | 17.465        |
|           |      | 5785            |         | 17.466        |
|           |      | 5825            |         | 17.469        |
|           | ac40 | 5755            |         | 35.815        |
|           |      | 5795            |         | 35.793        |
|           | ax20 | 5745            |         | 18.826        |
|           |      | 5785            |         | 18.818        |
|           |      | 5825            |         | 18.831        |
|           | ax40 | 5755            |         | 37.547        |
|           |      | 5795            |         | 37.555        |

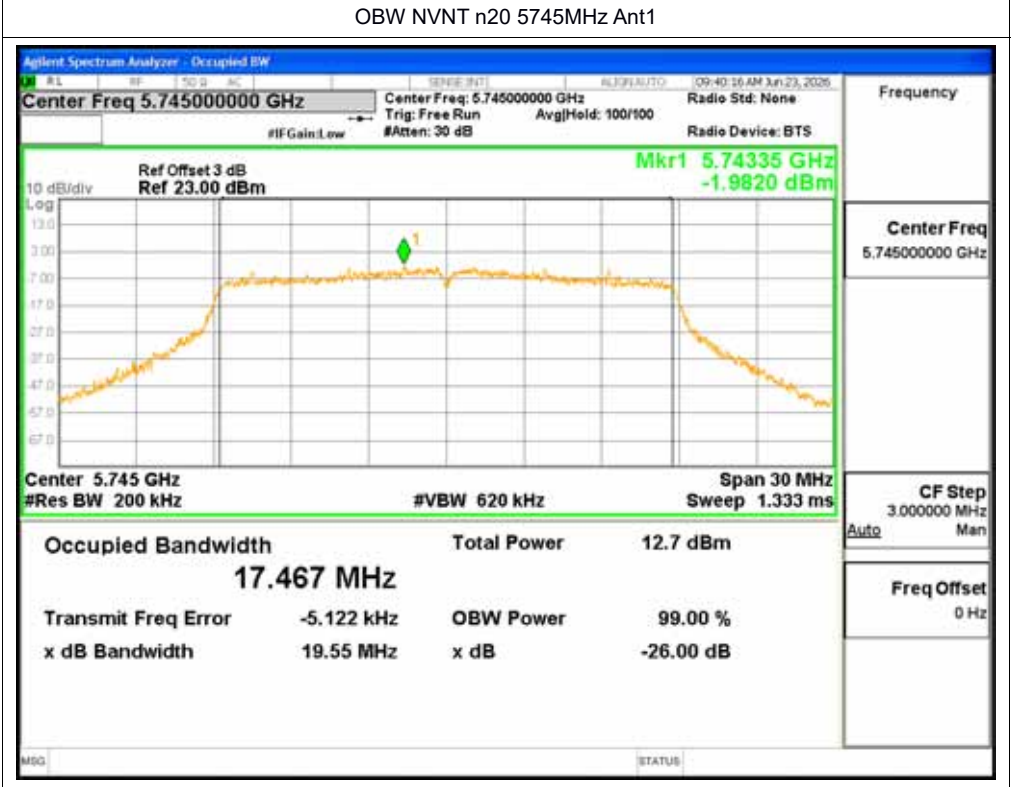
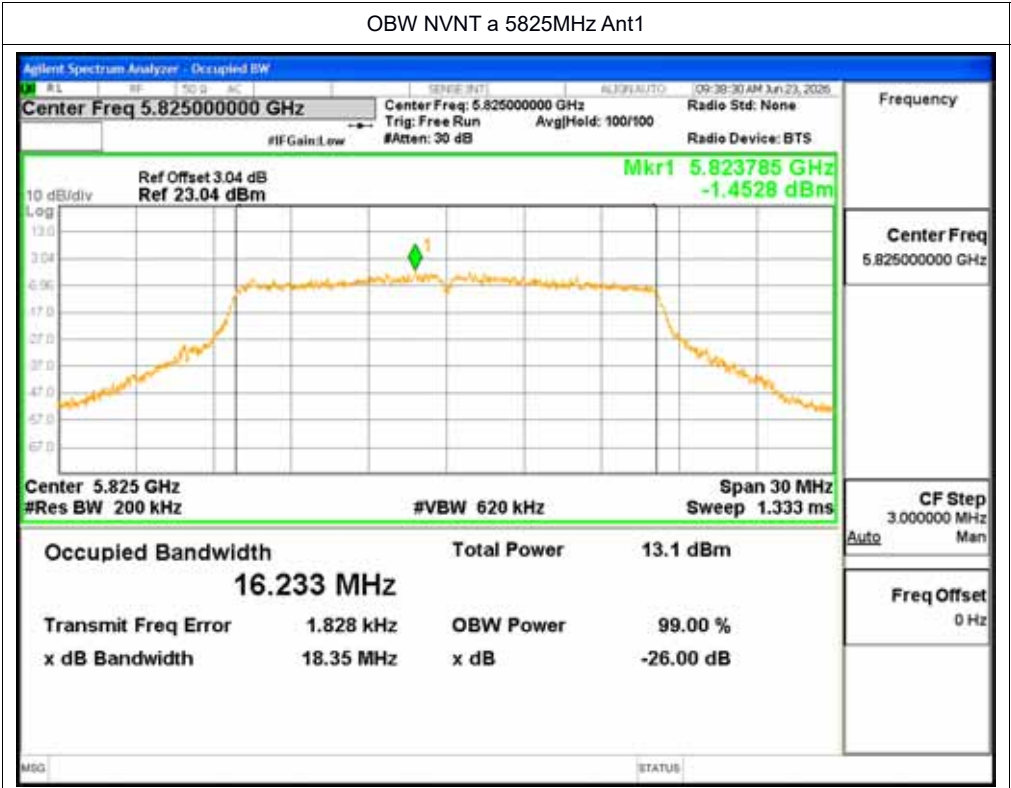
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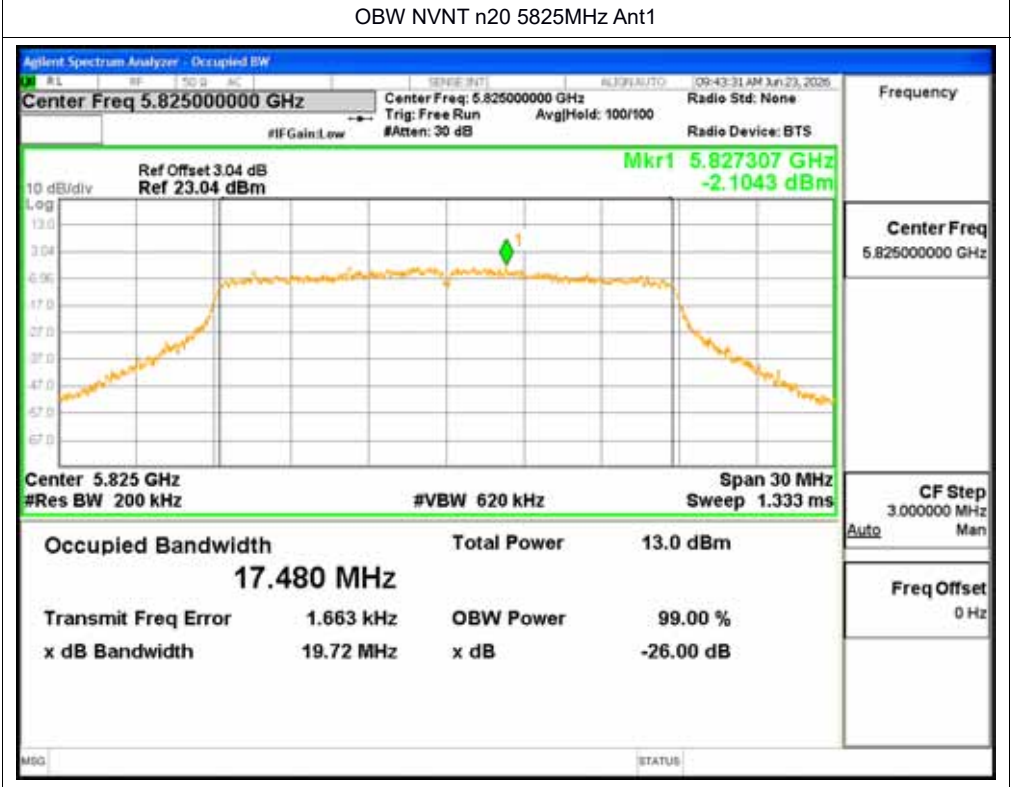
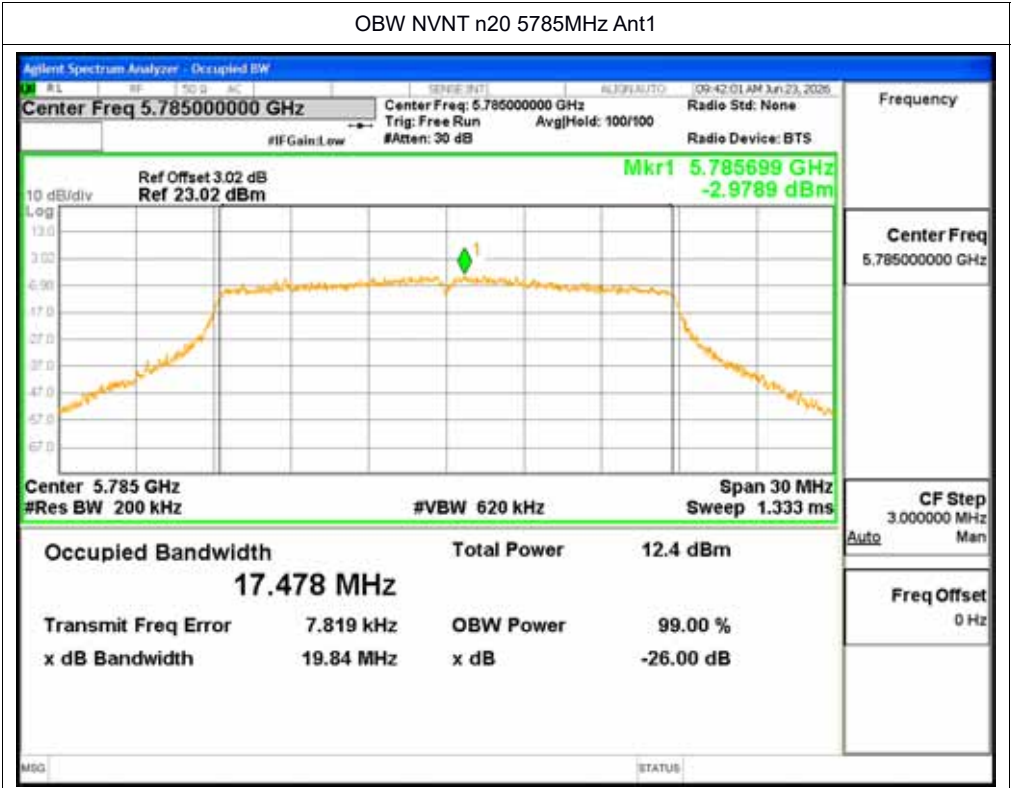
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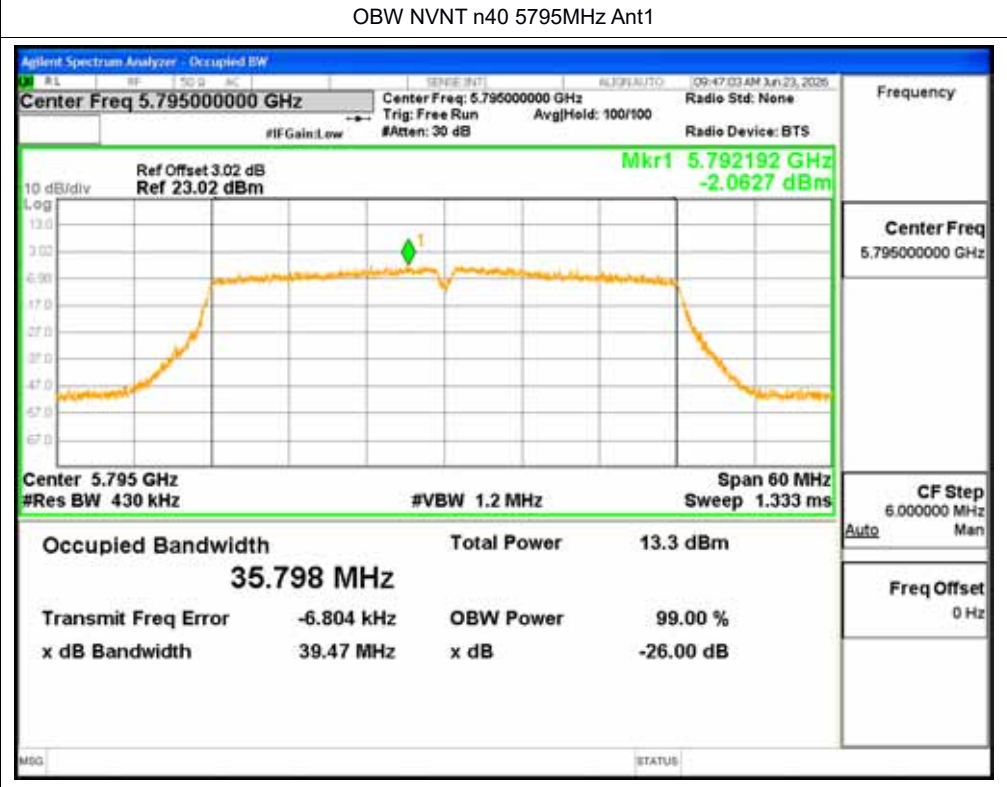
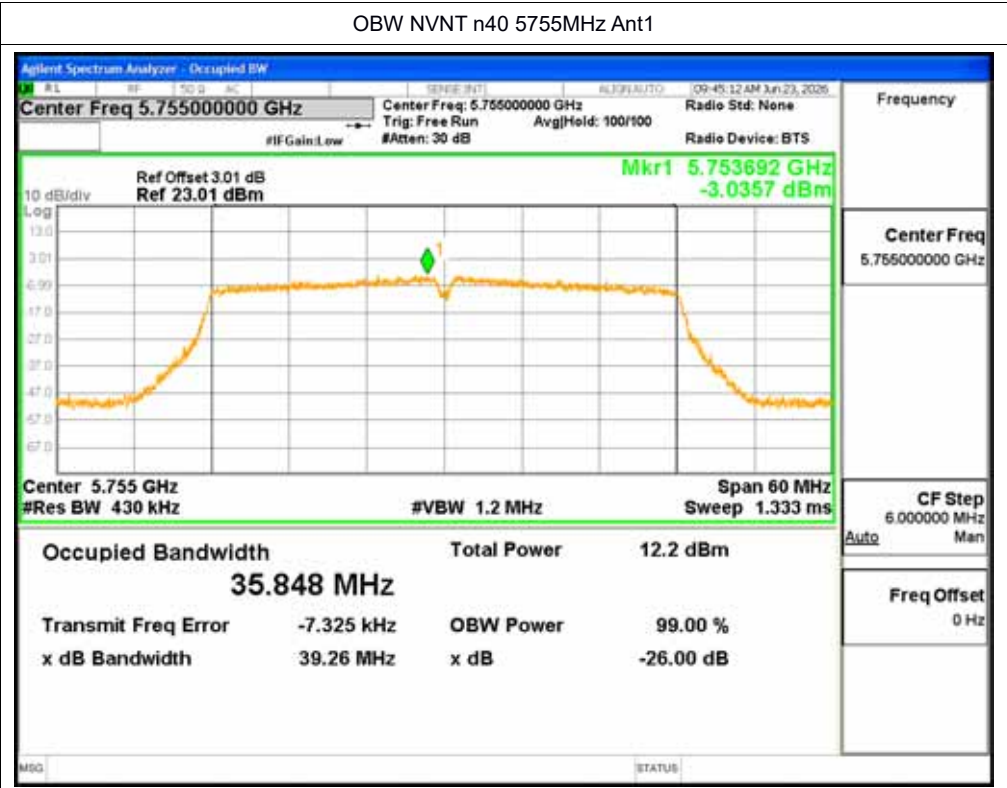
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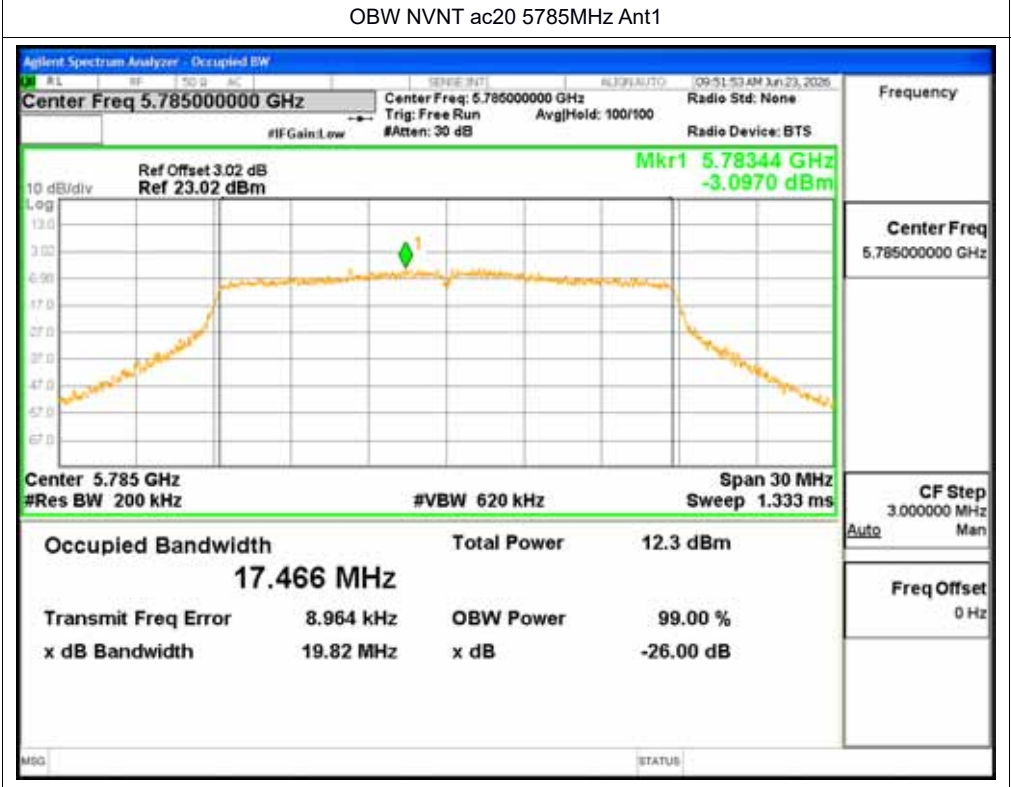
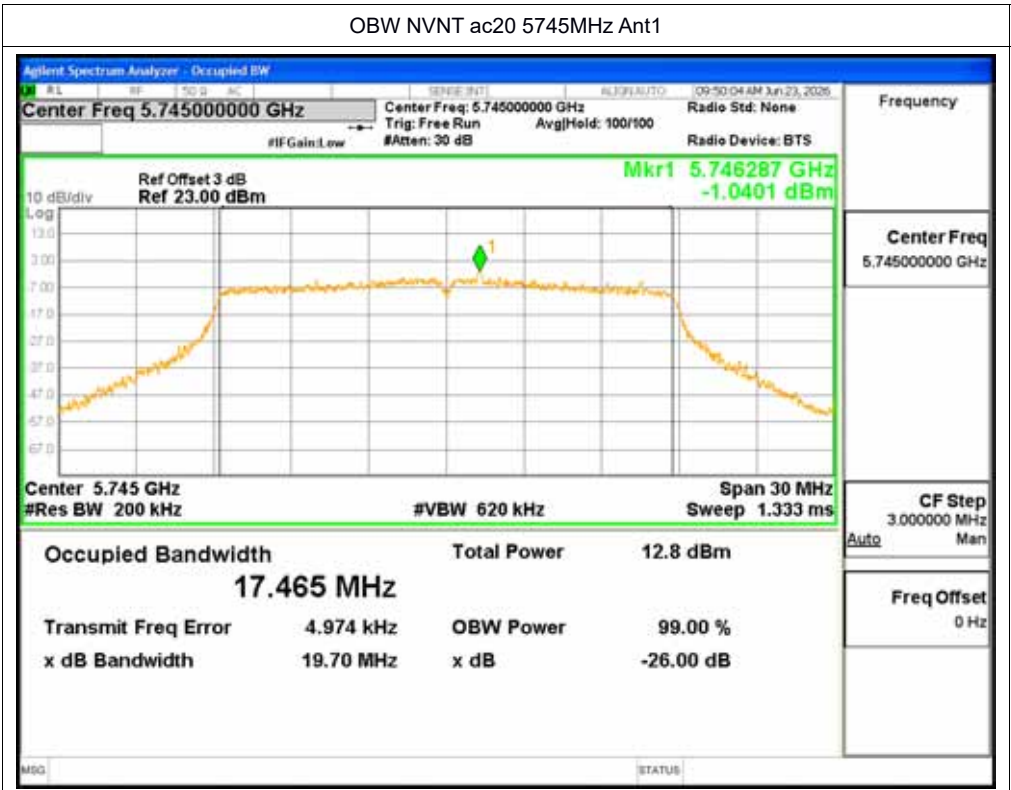
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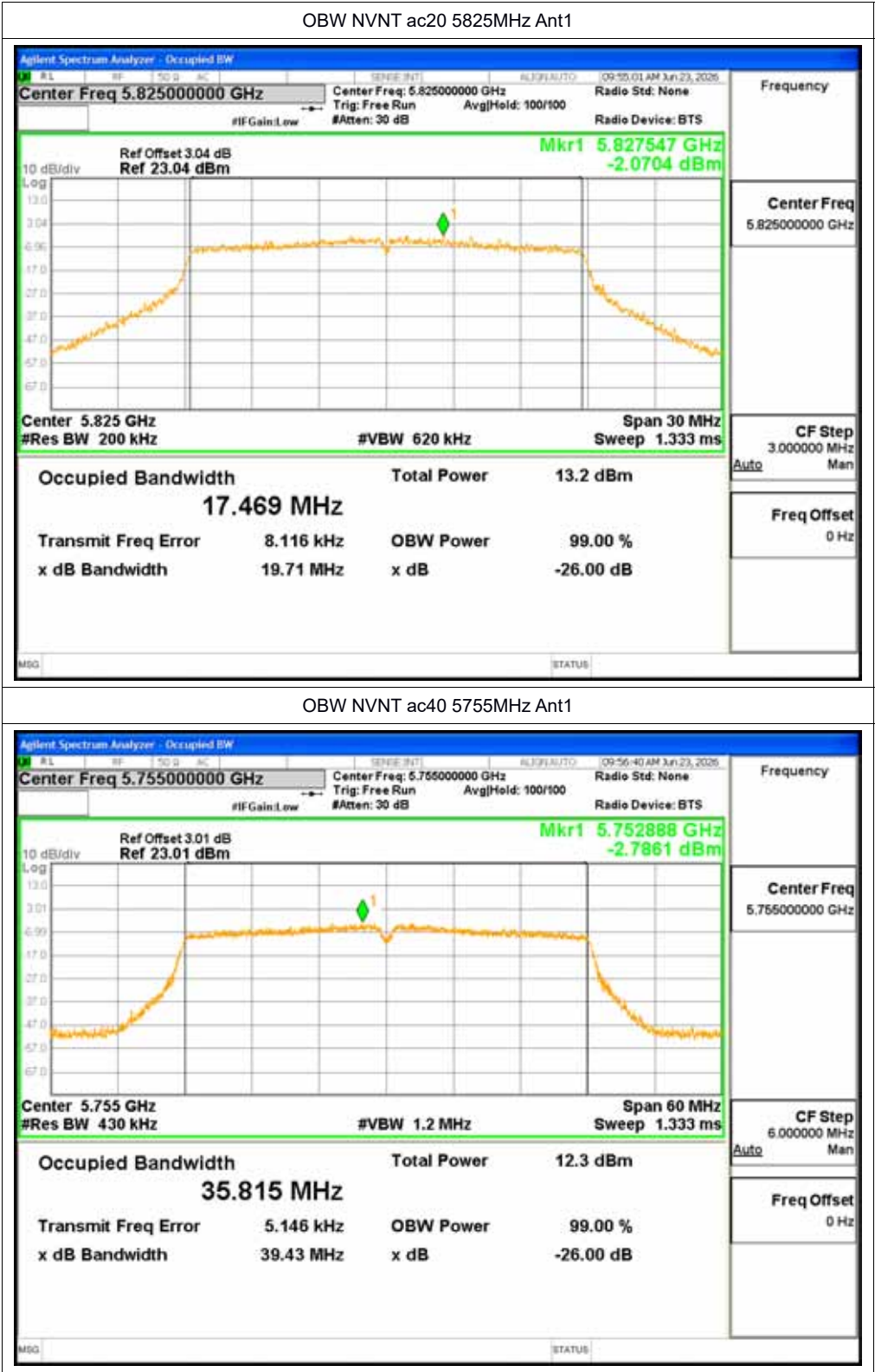
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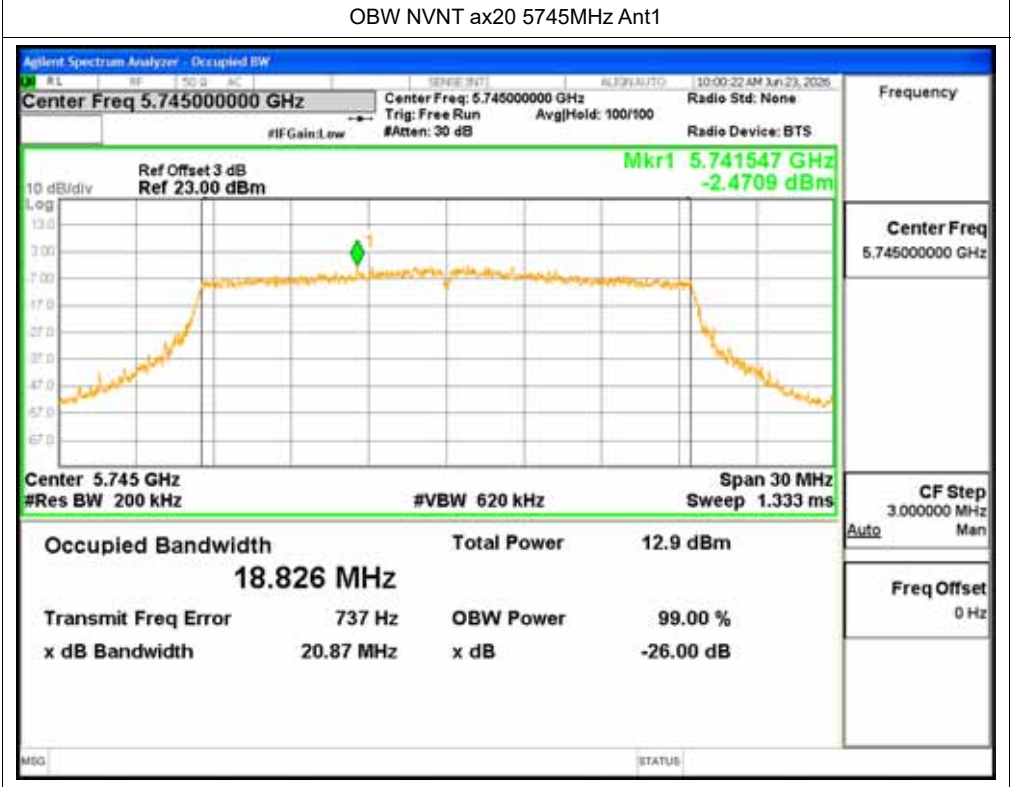
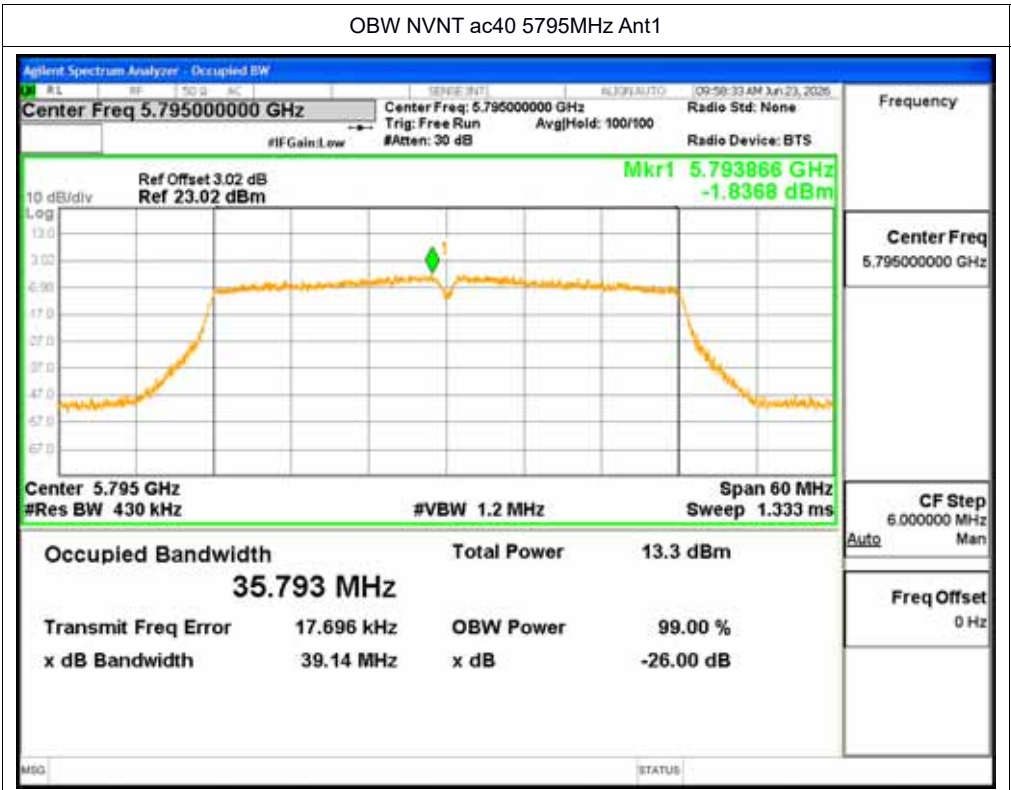
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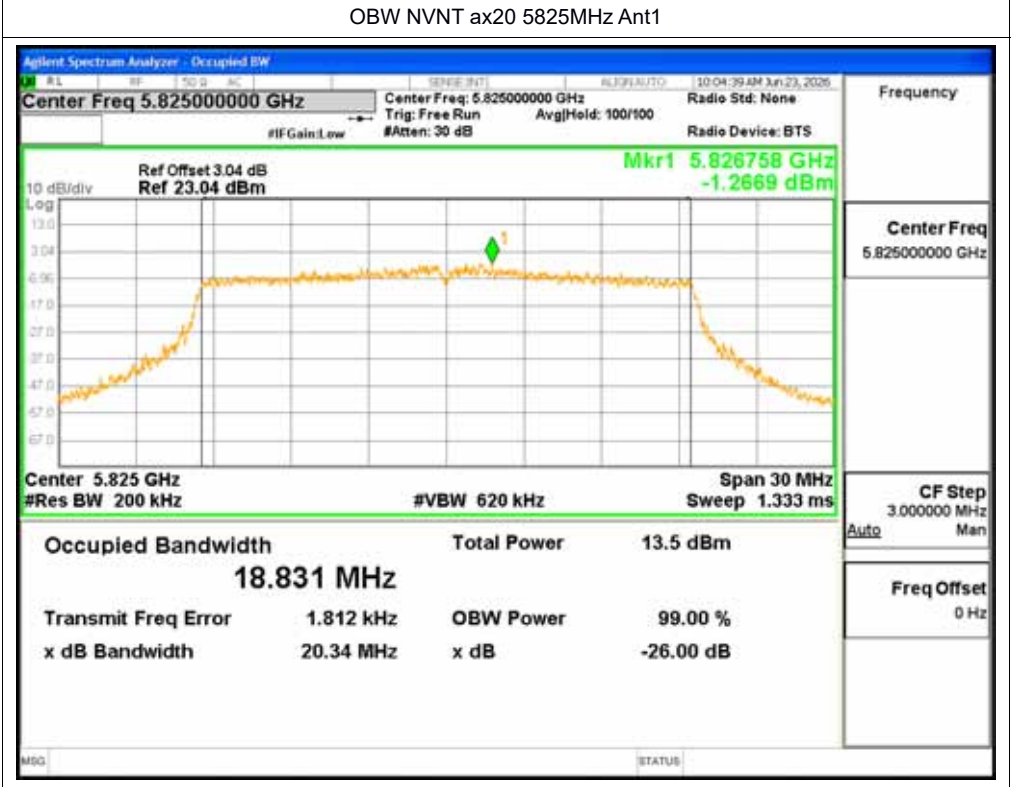
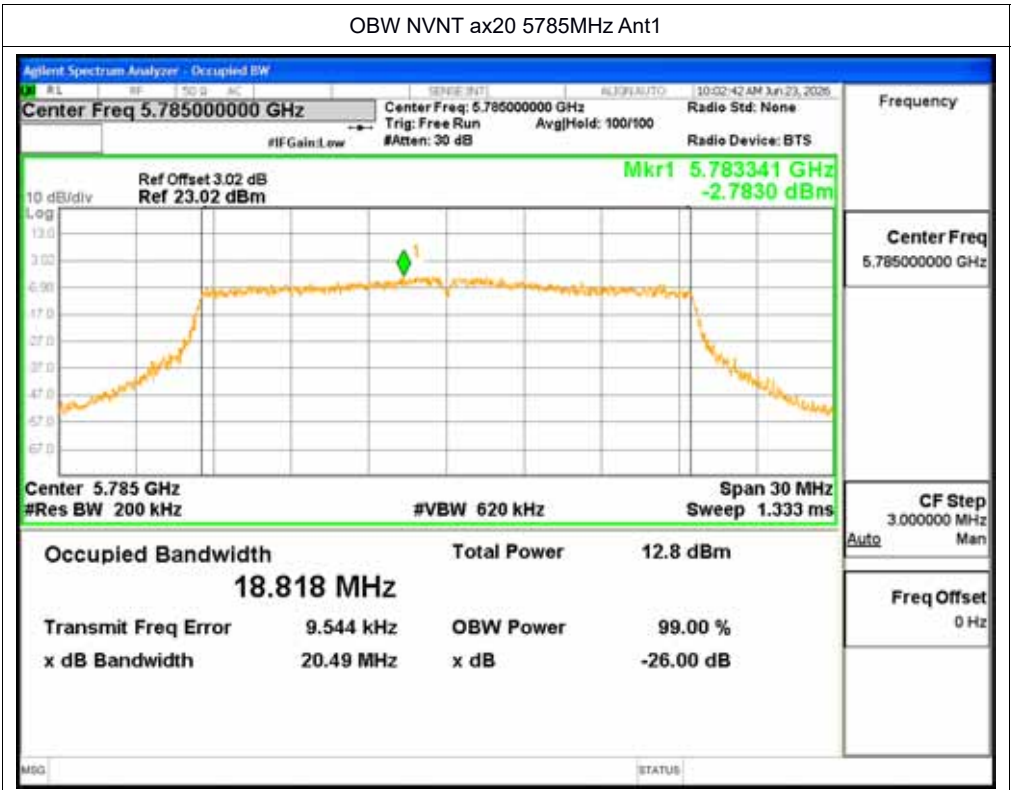
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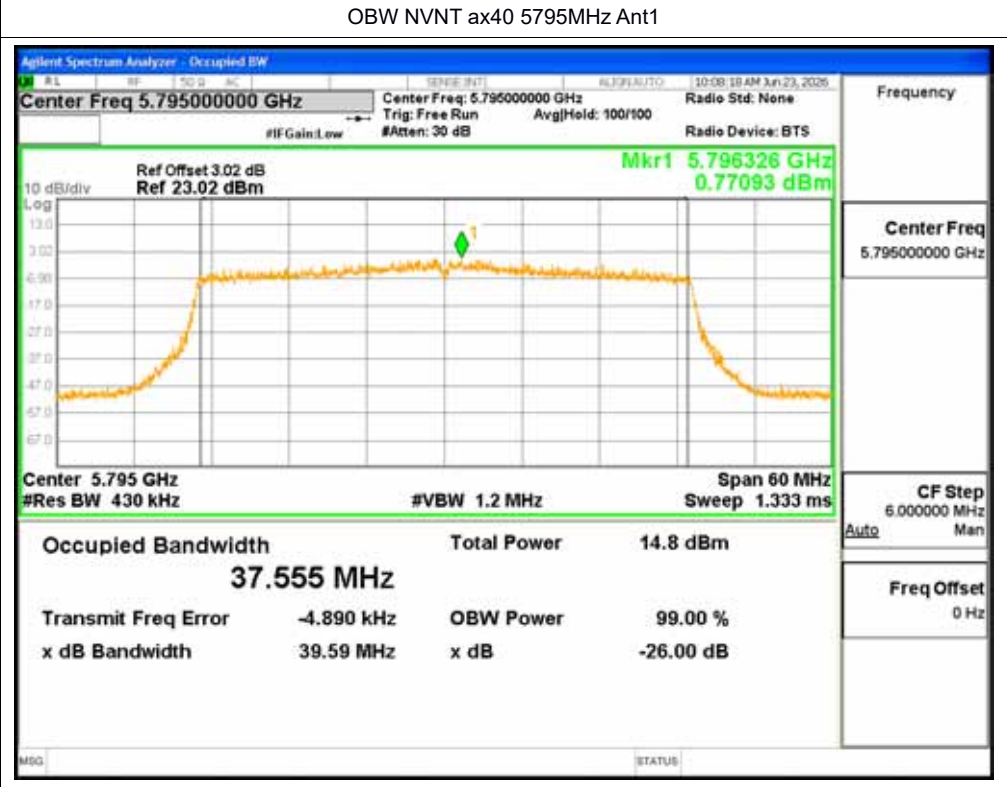
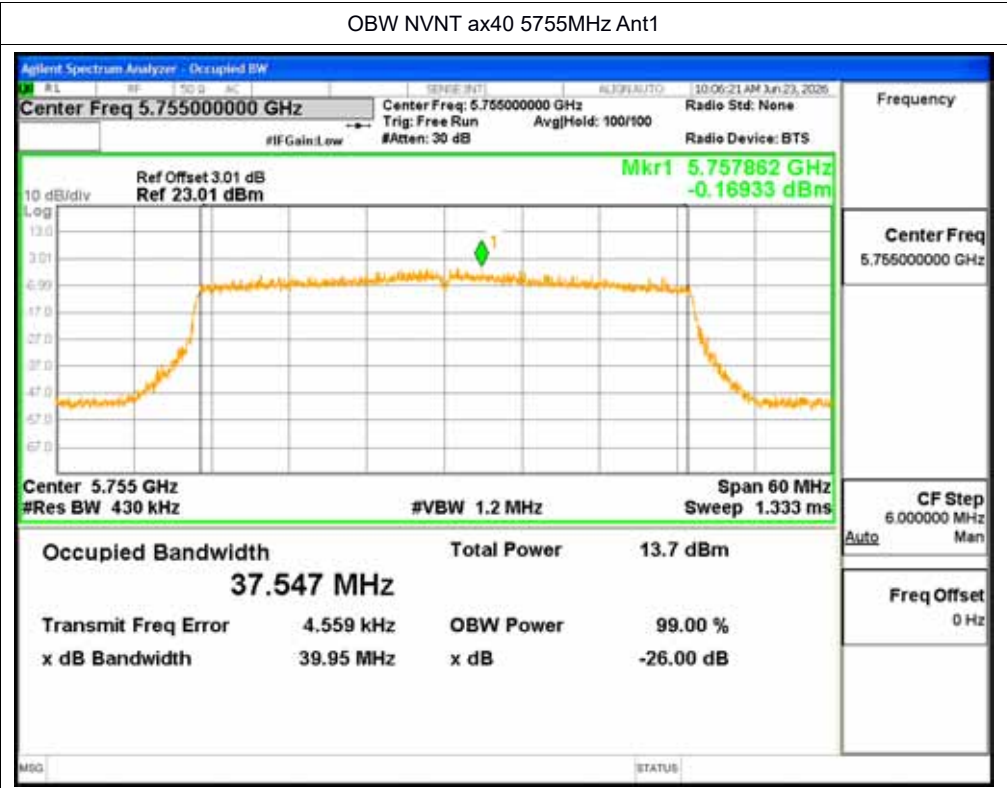
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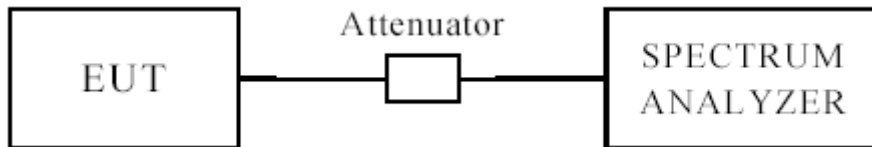
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## 8.0 Peak Transmit Power Measurement

### 8.1 Test Setup



### 8.2 Limits of Peak Transmit Power Measurement

| Operation Band | EUT Category |                                   | Limit                                                                                                                      |
|----------------|--------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| U-NII-1        |              | Outdoor Access Point              | 1 Watt (30 dBm) $\cong$ (Max. e.i.r.p 125mW (21 dBm) at any elevation angle above 30 degrees as measured from the horizon) |
|                |              | Fixed point-to-point Access Point | 1 Watt (30 dBm)                                                                                                            |
|                |              | Indoor Access Point               | 1 Watt (30 dBm)                                                                                                            |
|                | ✓            | Mobile and Portable client device | 250mW (24 dBm)                                                                                                             |
| U-NII-2A       | --           |                                   | 250mW (24 dBm) or 11 dBm+10 log B*                                                                                         |
| U-NII-2C       | --           |                                   | 250mW (24 dBm) or 11 dBm+10 log B*                                                                                         |
| U-NII-3        | ✓            |                                   | 1 Watt (30 dBm)                                                                                                            |

### 8.3 Test Procedure

The RF power output was measured with a Spectrum analyzer connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

**Note: the average power was measured**

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#### 8.4 Test Results

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | 5.91                  | 0                | 5.91              | 24          | Pass    |
|           |      | 5200            |         | 5.61                  | 0                | 5.61              | 24          | Pass    |
|           |      | 5240            |         | 5.1                   | 0                | 5.1               | 24          | Pass    |
|           | n20  | 5180            |         | 5.82                  | 0                | 5.82              | 24          | Pass    |
|           |      | 5200            |         | 5.58                  | 0                | 5.58              | 24          | Pass    |
|           |      | 5240            |         | 5.19                  | 0                | 5.19              | 24          | Pass    |
|           | n40  | 5190            |         | 5.57                  | 0                | 5.57              | 24          | Pass    |
|           |      | 5230            |         | 5.25                  | 0                | 5.25              | 24          | Pass    |
|           | ac20 | 5180            |         | 6.75                  | 0                | 6.75              | 24          | Pass    |
|           |      | 5200            |         | 6.89                  | 0                | 6.89              | 24          | Pass    |
|           |      | 5240            |         | 6.32                  | 0                | 6.32              | 24          | Pass    |
|           | ac40 | 5190            |         | 6.73                  | 0                | 6.73              | 24          | Pass    |
|           |      | 5230            |         | 5.78                  | 0                | 5.78              | 24          | Pass    |
|           | ax20 | 5180            |         | 6.07                  | 0                | 6.07              | 24          | Pass    |
|           |      | 5200            |         | 6.17                  | 0                | 6.17              | 24          | Pass    |
|           |      | 5240            |         | 5.64                  | 0                | 5.64              | 24          | Pass    |
|           | ax40 | 5190            |         | 7.67                  | 0                | 7.67              | 24          | Pass    |
|           |      | 5230            |         | 7.31                  | 0                | 7.31              | 24          | Pass    |

Note: 1. At final test to get the worst-case emission at 6Mbps for CH36, CH40, CH48, CH149, CH153 and CH161

2. The result basic equation calculation as follow:

$$\text{Average Power Output} = \text{AV Power Reading} + \text{Cable loss} + \text{Attenuator}$$

3. The worse case was recorded

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| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 6.97                  | 0                | 6.97              | 30          | Pass    |
|           |      | 5785            |         | 6.77                  | 0                | 6.77              | 30          | Pass    |
|           |      | 5825            |         | 7.34                  | 0                | 7.34              | 30          | Pass    |
|           | n20  | 5745            |         | 6.88                  | 0                | 6.88              | 30          | Pass    |
|           |      | 5785            |         | 6.7                   | 0                | 6.7               | 30          | Pass    |
|           |      | 5825            |         | 7.25                  | 0                | 7.25              | 30          | Pass    |
|           | n40  | 5755            |         | 6.48                  | 0                | 6.48              | 30          | Pass    |
|           |      | 5795            |         | 7.54                  | 0                | 7.54              | 30          | Pass    |
|           | ac20 | 5745            |         | 7.12                  | 0                | 7.12              | 30          | Pass    |
|           |      | 5785            |         | 6.77                  | 0                | 6.77              | 30          | Pass    |
|           |      | 5825            |         | 7.6                   | 0                | 7.6               | 30          | Pass    |
|           | ac40 | 5755            |         | 6.56                  | 0                | 6.56              | 30          | Pass    |
|           |      | 5795            |         | 7.59                  | 0                | 7.59              | 30          | Pass    |
|           | ax20 | 5745            |         | 6.6                   | 0                | 6.6               | 30          | Pass    |
|           |      | 5785            |         | 6.46                  | 0                | 6.46              | 30          | Pass    |
|           |      | 5825            |         | 7.08                  | 0                | 7.08              | 30          | Pass    |
|           | ax40 | 5755            |         | 6.92                  | 0                | 6.92              | 30          | Pass    |
|           |      | 5795            |         | 7.96                  | 0                | 7.96              | 30          | Pass    |

- Note: 1. At final test to get the worst-case emission at mcs0 for CH36, CH40, CH48, CH149, CH153 and CH161
2. The result basic equation calculation as follow:  
Average Power Output = AV Power Reading + Cable loss + Attenuator
3. The worse case was recorded

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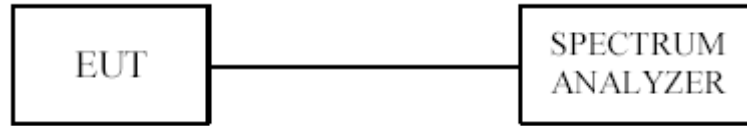
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## 9. Power Spectral Density Measurement

### 9.1 Test Setup



### 9.2 Limits of Power Spectral Density Measurement

| Operation Band | EUT Category |                                   | Limit        |
|----------------|--------------|-----------------------------------|--------------|
| U-NII-1        |              | Outdoor Access Point              | 17dBm/MHz    |
|                |              | Fixed point-to-point Access Point |              |
|                |              | Indoor Access Point               |              |
|                | √            | Mobile and Portable client device | 11dBm/MHz    |
| U-NII-2A       | --           |                                   | 11dBm/MHz    |
| U-NII-2C       | --           |                                   | 11dBm/MHz    |
| U-NII-3        | √            |                                   | 30dBm/500kHz |

### 9.3 Test Procedure

1. The EUT was directly connected to the spectrum analyzer
2. Set the RBW = 1MHz or 510kHz
3. Set the VBW = 3MHz or 1.5MHz
4. Set the span to encompass the entire emissions bandwidth (EBW) of the signal
5. Detector = RMS
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.

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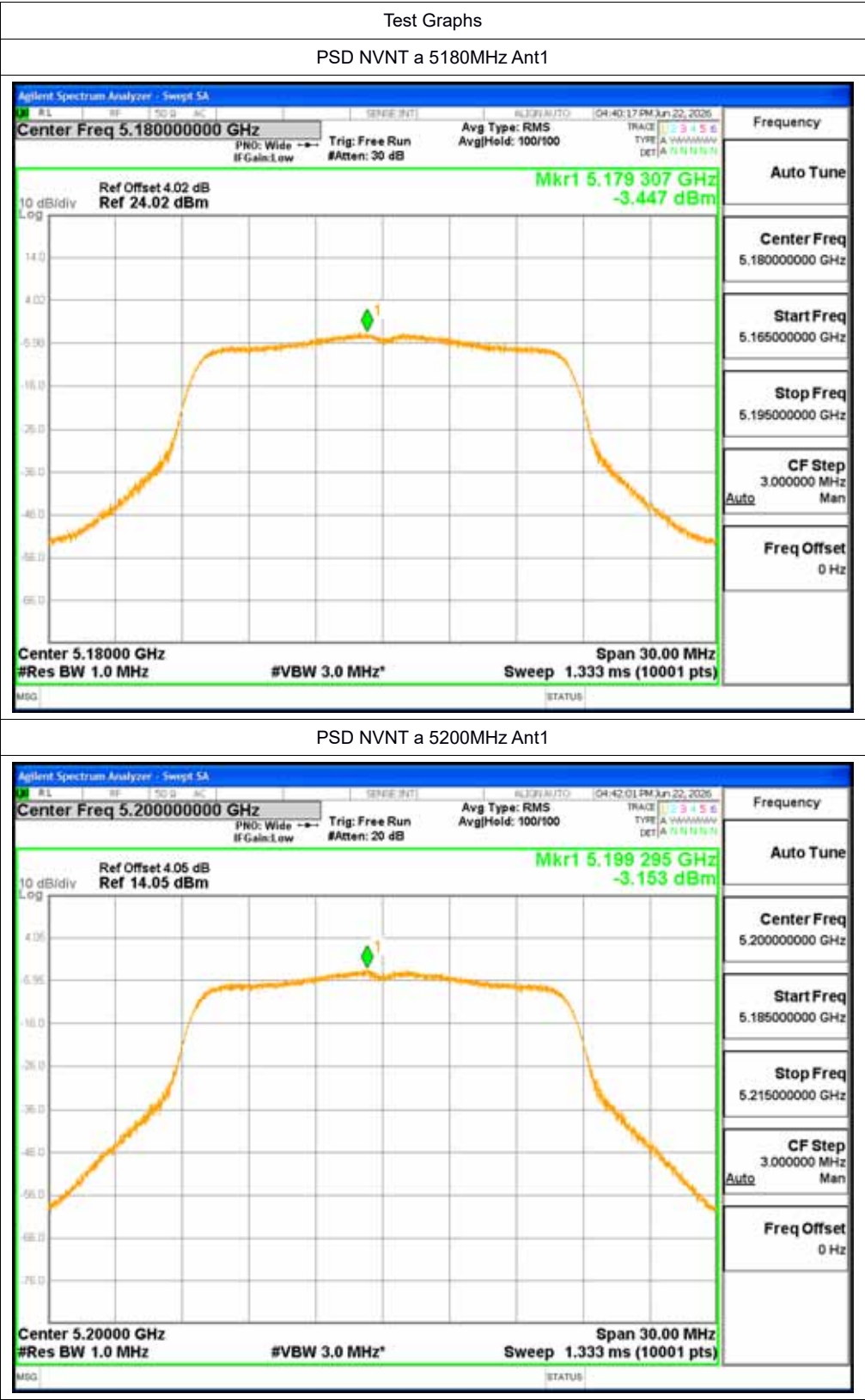
#### 9.4 Test Result

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -3.45               | 0                | -3.45           | 11          | Pass    |
|           |      | 5200            |         | -3.15               | 0                | -3.15           | 11          | Pass    |
|           |      | 5240            |         | -3.81               | 0                | -3.81           | 11          | Pass    |
|           | n20  | 5180            |         | -3.51               | 0                | -3.51           | 11          | Pass    |
|           |      | 5200            |         | -3.7                | 0                | -3.7            | 11          | Pass    |
|           |      | 5240            |         | -4.22               | 0                | -4.22           | 11          | Pass    |
|           | n40  | 5190            |         | -6.52               | 0                | -6.52           | 11          | Pass    |
|           |      | 5230            |         | -6.94               | 0                | -6.94           | 11          | Pass    |
|           | ac20 | 5180            |         | -2.51               | 0                | -2.51           | 11          | Pass    |
|           |      | 5200            |         | -2.7                | 0                | -2.7            | 11          | Pass    |
|           |      | 5240            |         | -3.2                | 0                | -3.2            | 11          | Pass    |
|           | ac40 | 5190            |         | -5.55               | 0                | -5.55           | 11          | Pass    |
|           |      | 5230            |         | -6.46               | 0                | -6.46           | 11          | Pass    |
|           | ax20 | 5180            |         | -3.07               | 0                | -3.07           | 11          | Pass    |
|           |      | 5200            |         | -3.43               | 0                | -3.43           | 11          | Pass    |
|           |      | 5240            |         | -3.58               | 0                | -3.58           | 11          | Pass    |
|           | ax40 | 5190            |         | -4.39               | 0                | -4.39           | 11          | Pass    |
|           |      | 5230            |         | -4.9                | 0                | -4.9            | 11          | Pass    |

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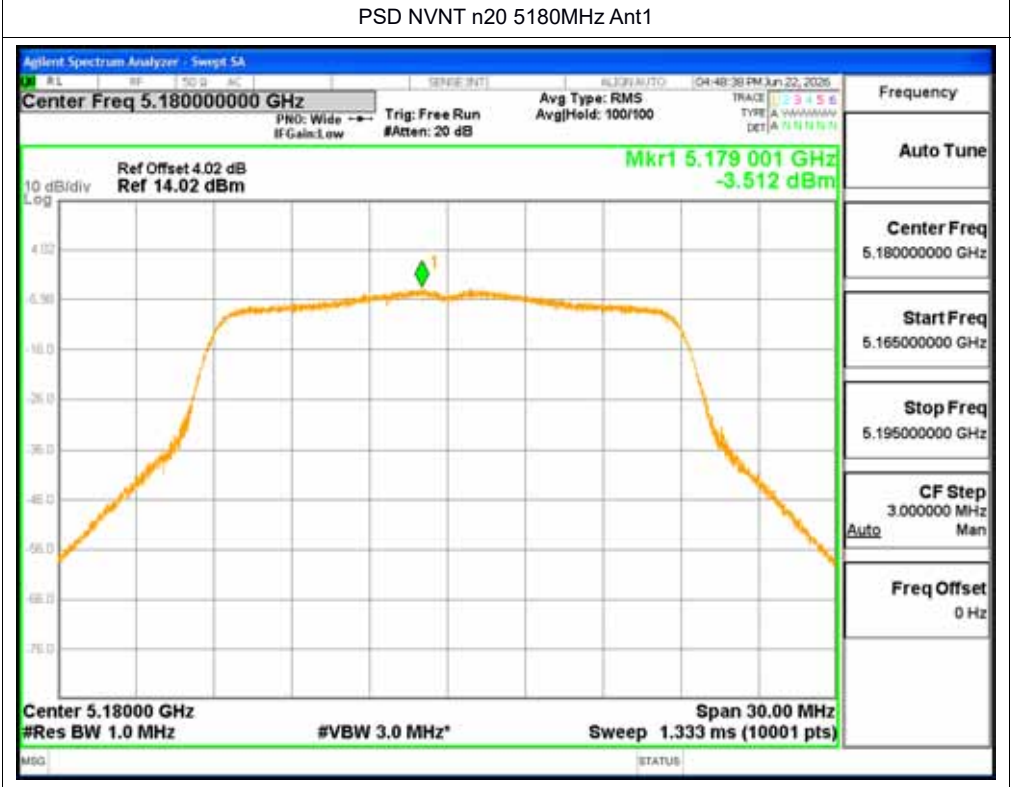
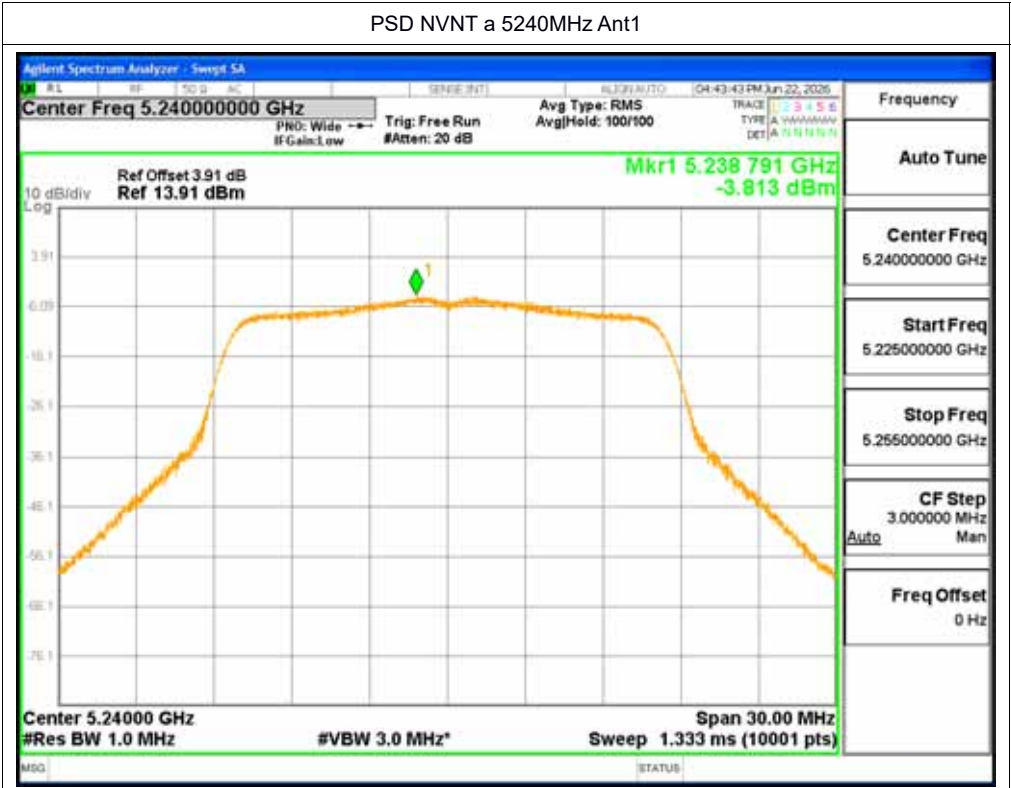
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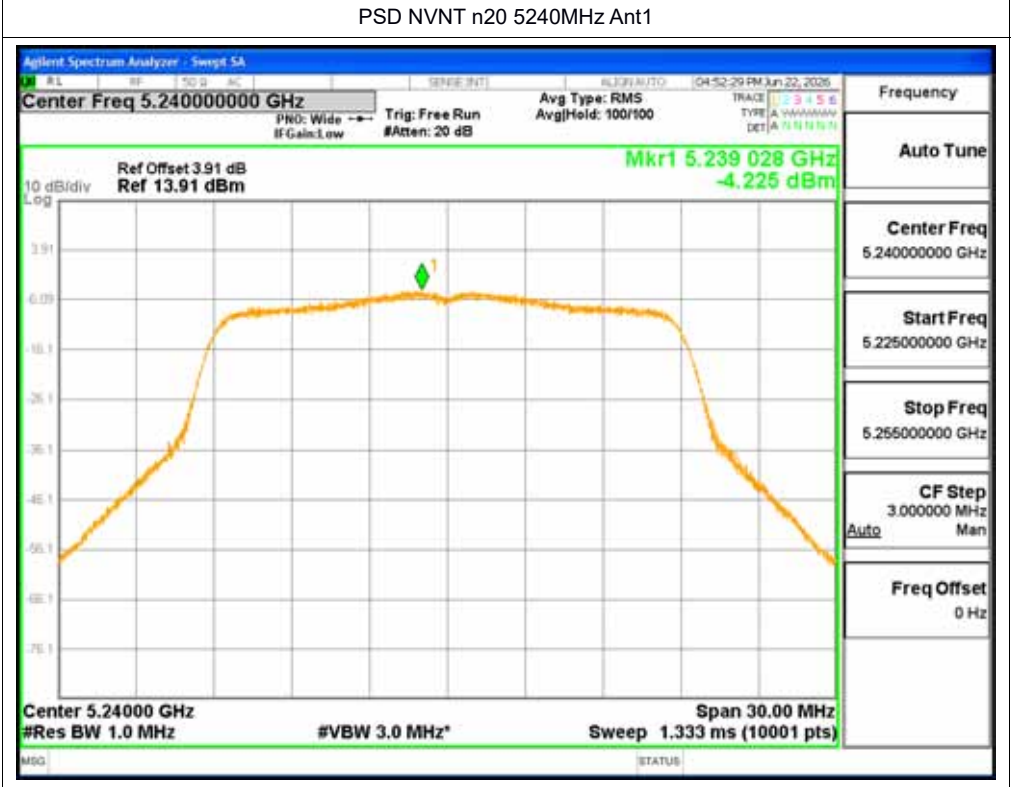
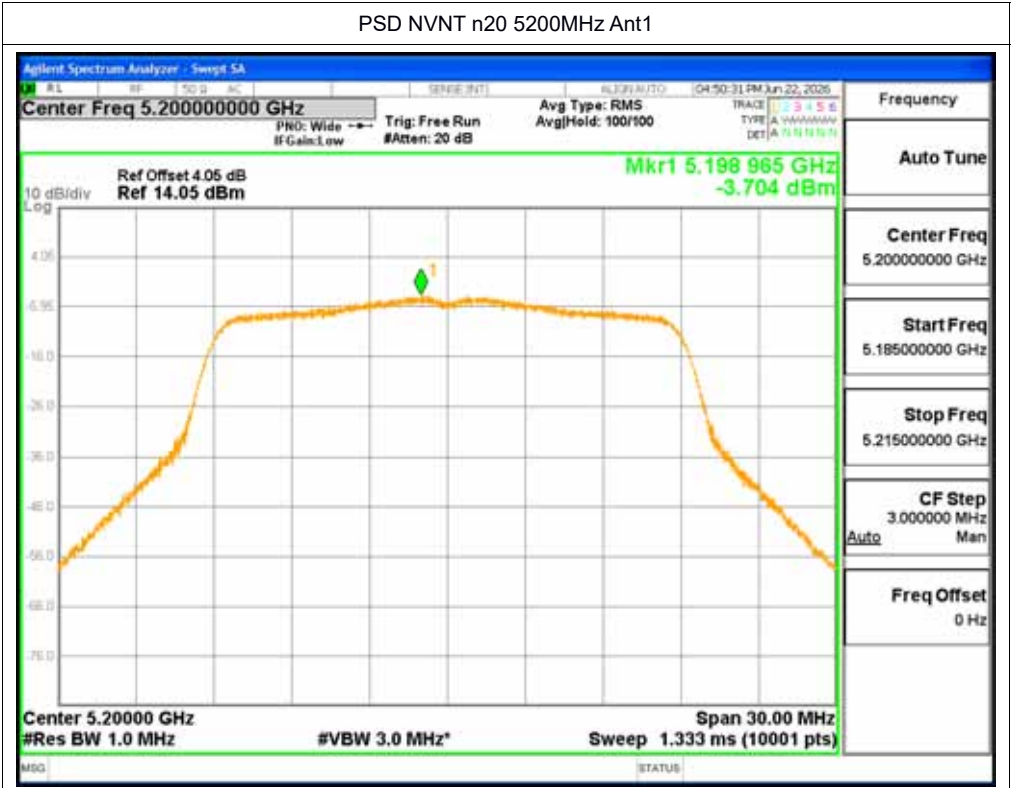
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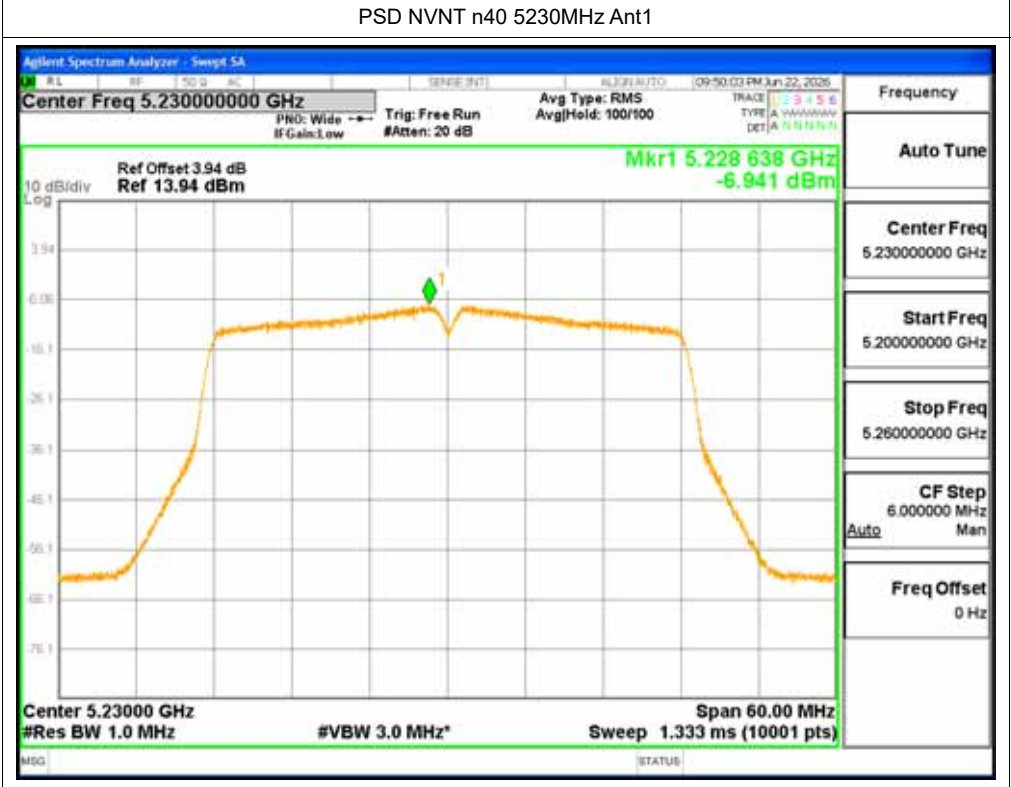
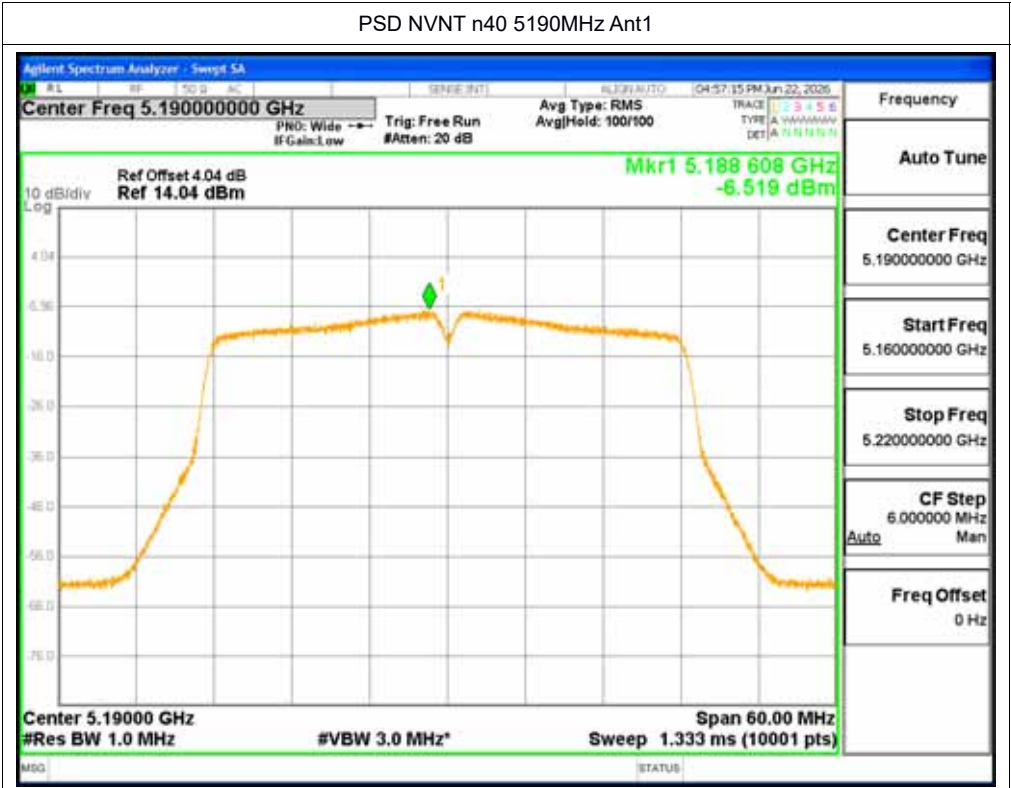
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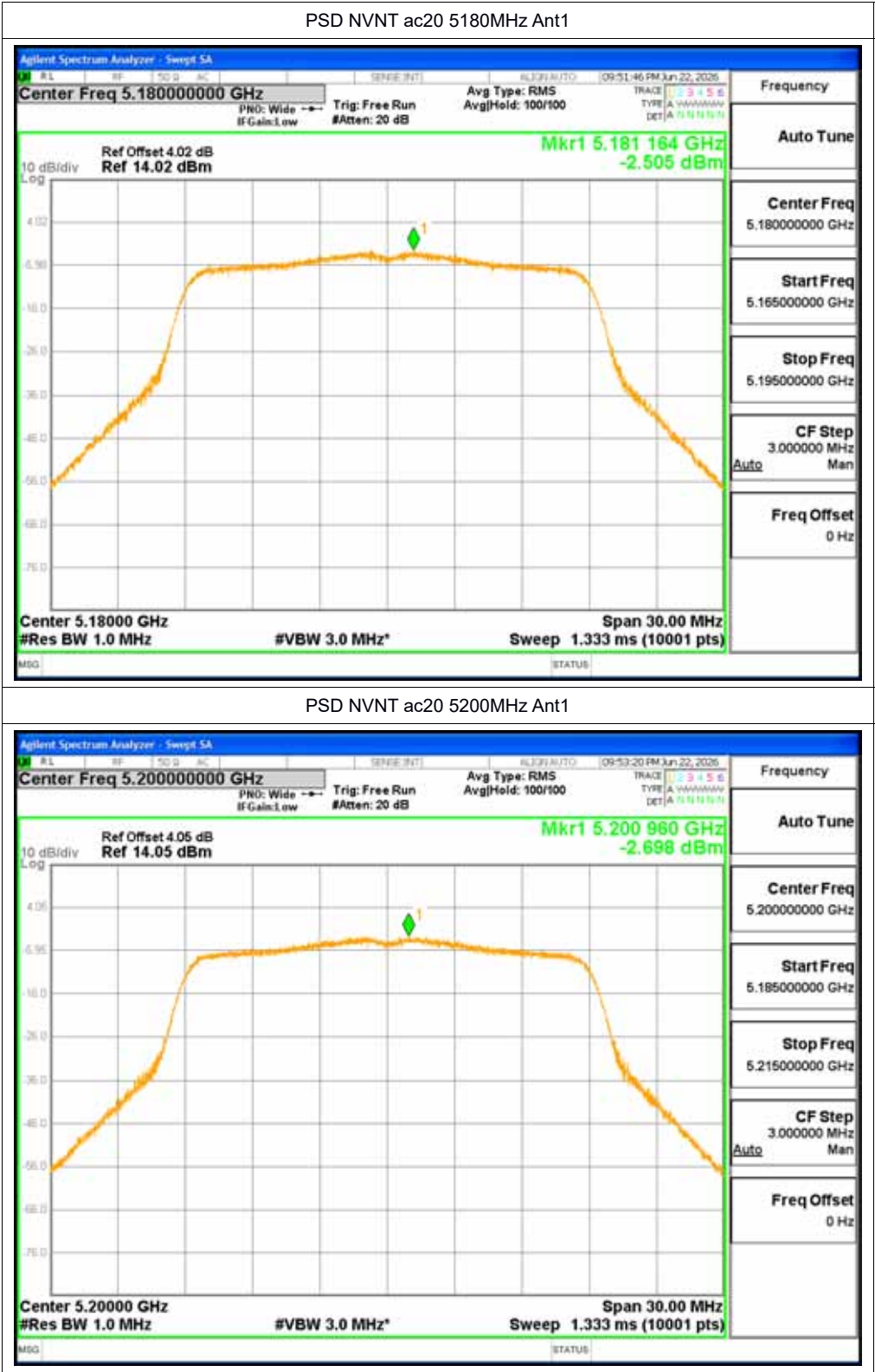
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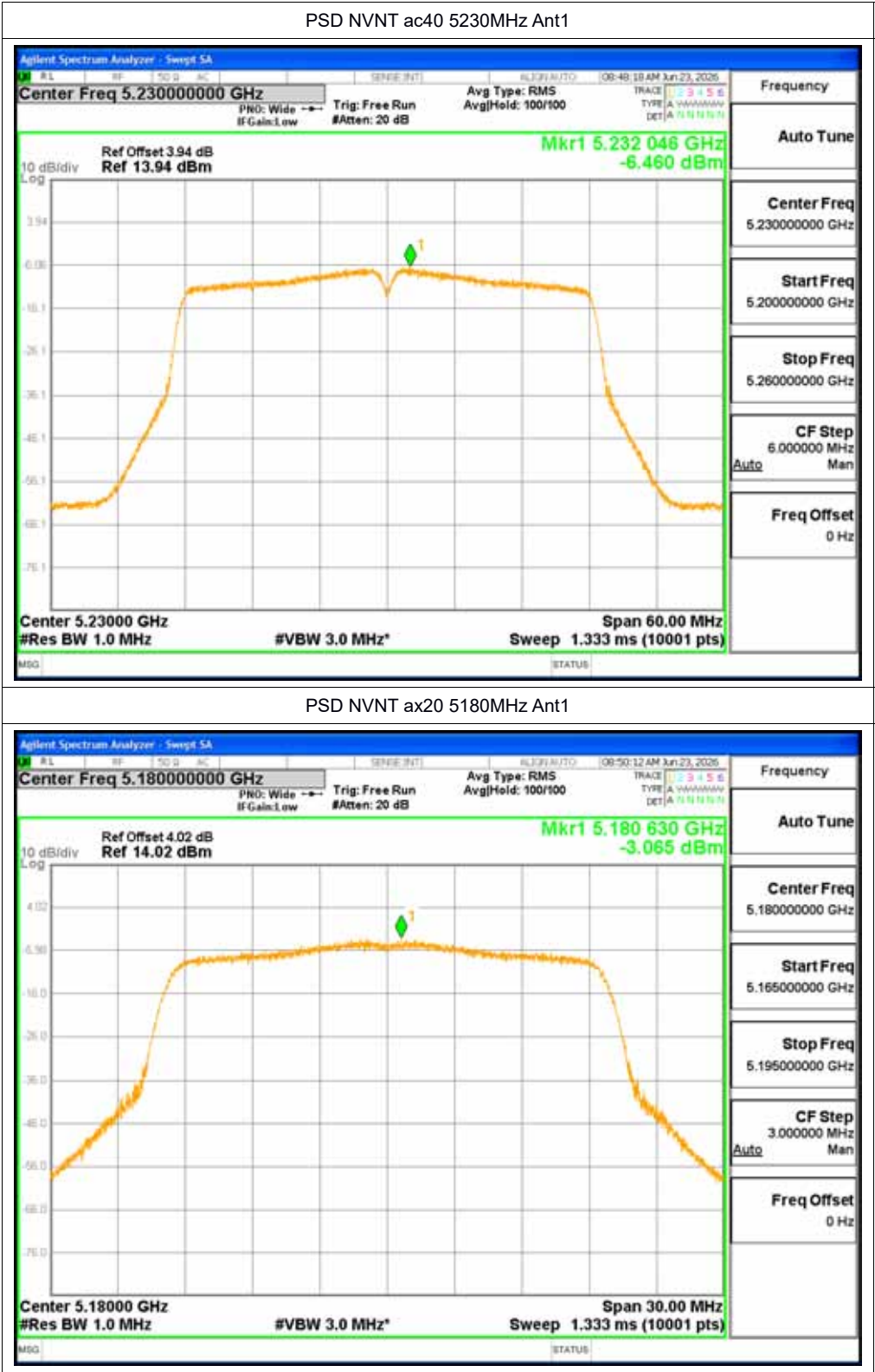
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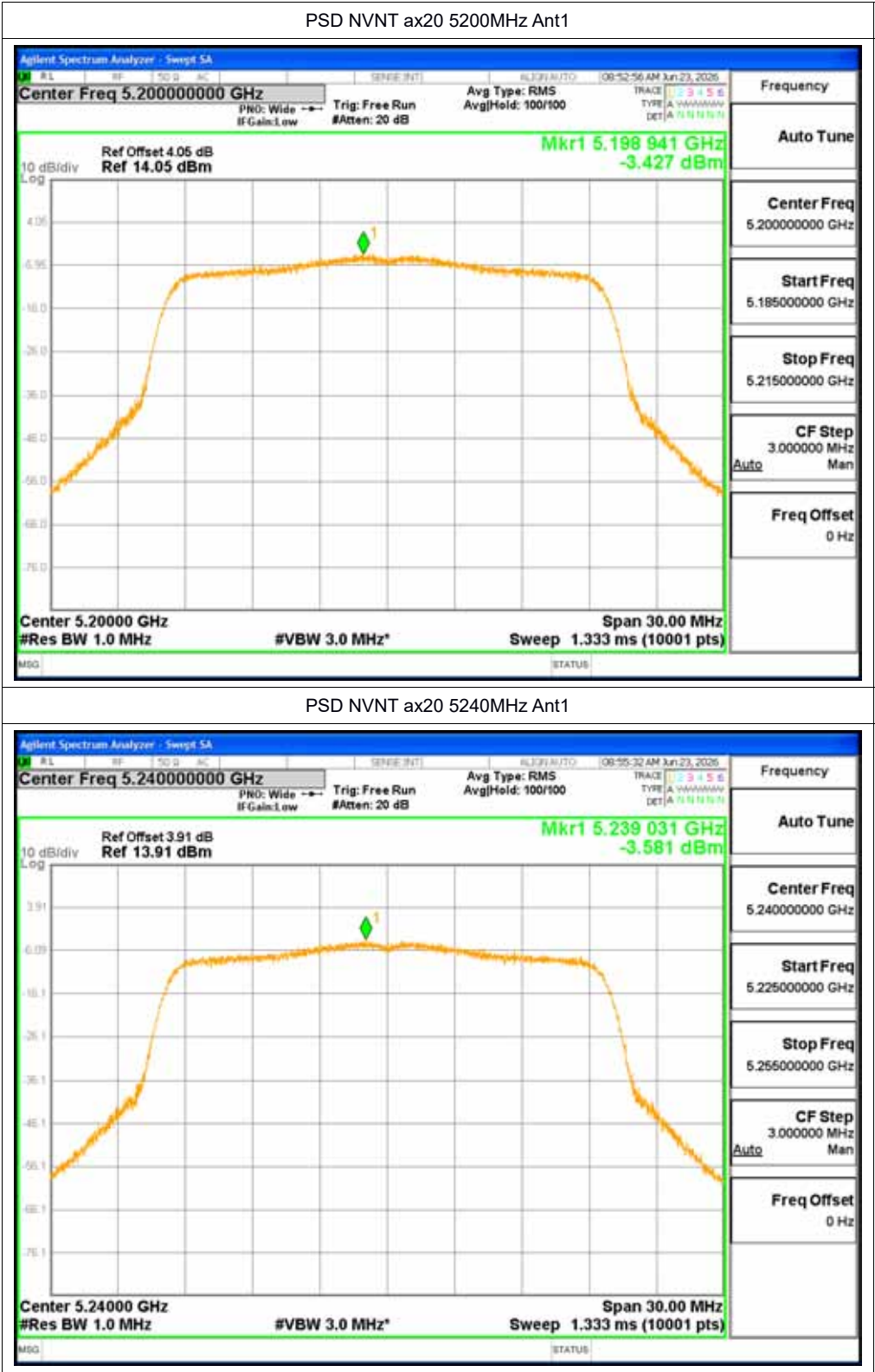
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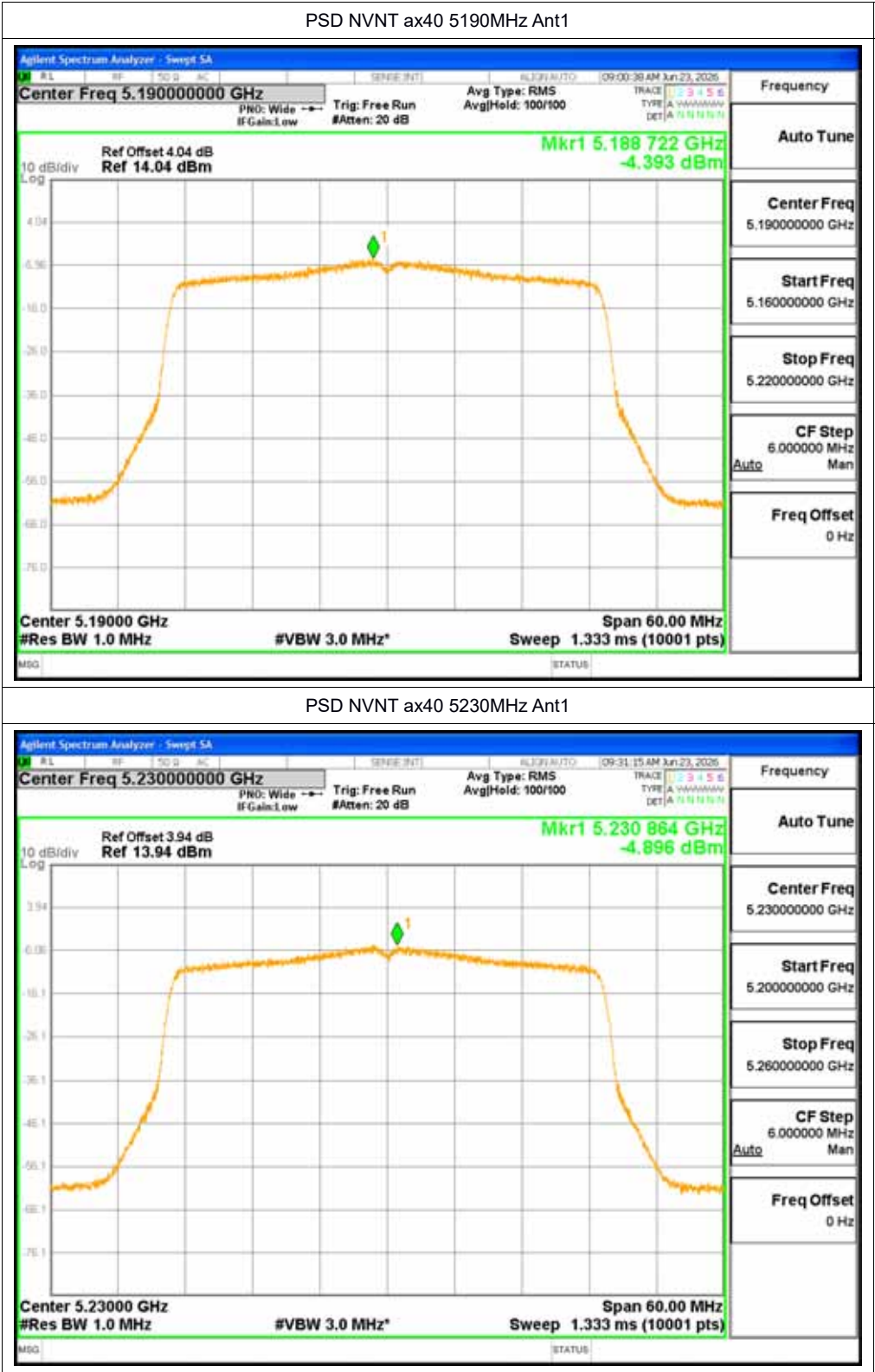
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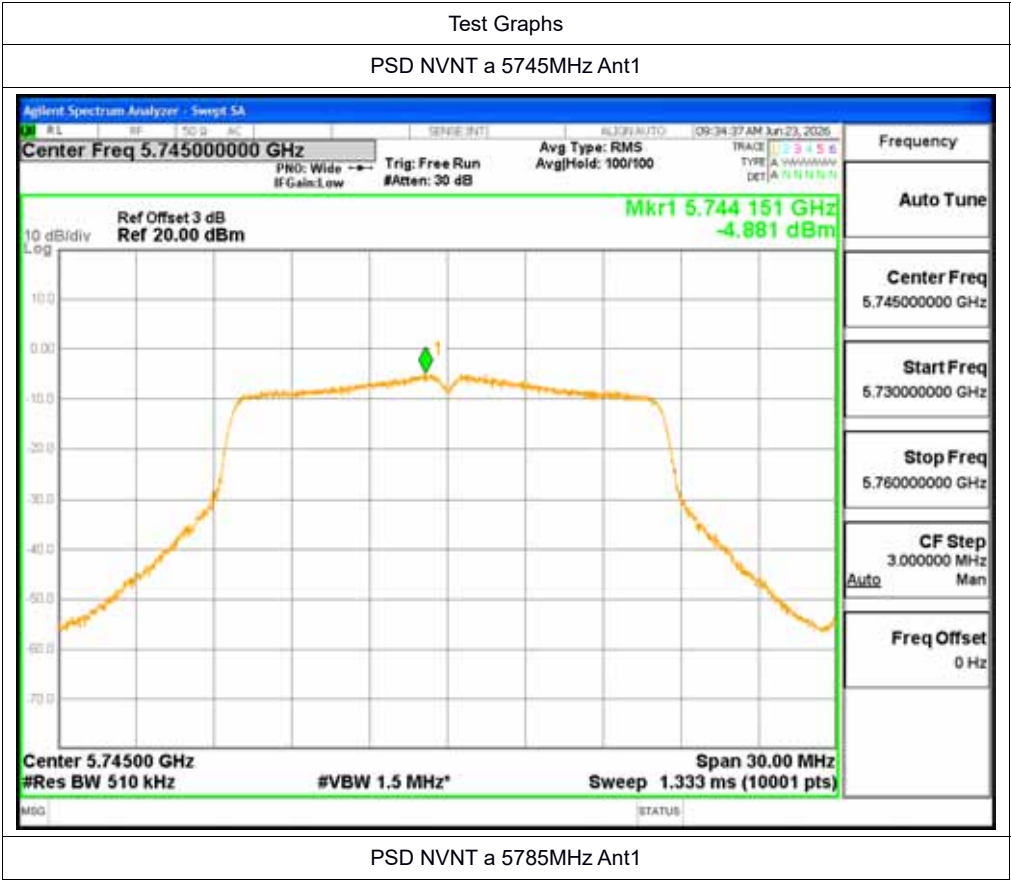


| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -4.88               | 0                | -4.88           | 30          | Pass    |
|           |      | 5785            |         | -4.92               | 0                | -4.92           | 30          | Pass    |
|           |      | 5825            |         | -4.45               | 0                | -4.45           | 30          | Pass    |
|           | n20  | 5745            |         | -5.38               | 0                | -5.38           | 30          | Pass    |
|           |      | 5785            |         | -5.62               | 0                | -5.62           | 30          | Pass    |
|           |      | 5825            |         | -4.99               | 0                | -4.99           | 30          | Pass    |
|           | n40  | 5755            |         | -8.52               | 0                | -8.52           | 30          | Pass    |
|           |      | 5795            |         | -7.43               | 0                | -7.43           | 30          | Pass    |
|           | ac20 | 5745            |         | -5.18               | 0                | -5.18           | 30          | Pass    |
|           |      | 5785            |         | -5.59               | 0                | -5.59           | 30          | Pass    |
|           |      | 5825            |         | -4.91               | 0                | -4.91           | 30          | Pass    |
|           | ac40 | 5755            |         | -8.74               | 0                | -8.74           | 30          | Pass    |
|           |      | 5795            |         | -7.58               | 0                | -7.58           | 30          | Pass    |
|           | ax20 | 5745            |         | -5.48               | 0                | -5.48           | 30          | Pass    |
|           |      | 5785            |         | -5.73               | 0                | -5.73           | 30          | Pass    |
|           |      | 5825            |         | -4.86               | 0                | -4.86           | 30          | Pass    |
|           | ax40 | 5755            |         | -8.18               | 0                | -8.18           | 30          | Pass    |
|           |      | 5795            |         | -7.37               | 0                | -7.37           | 30          | Pass    |

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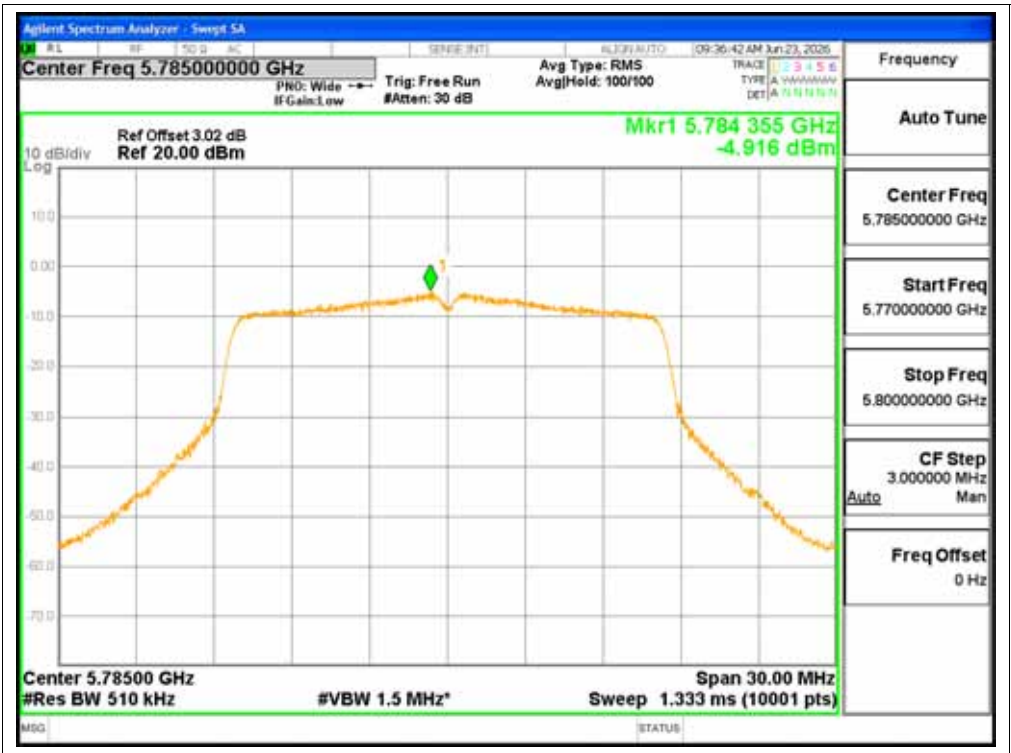
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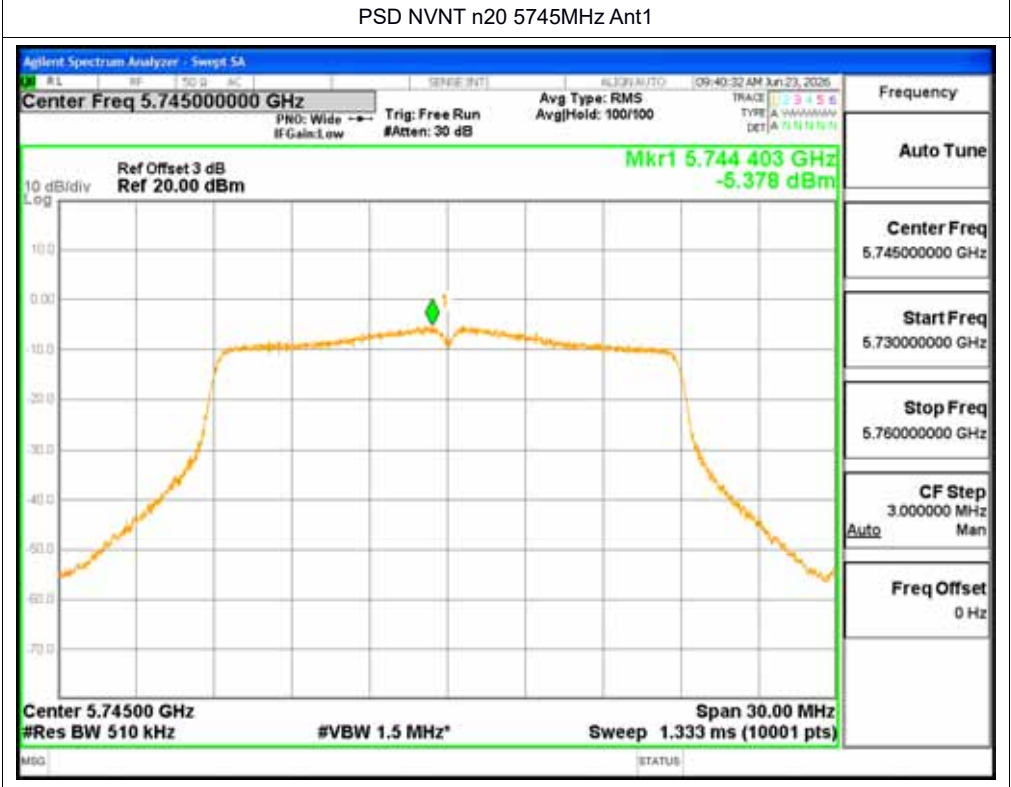
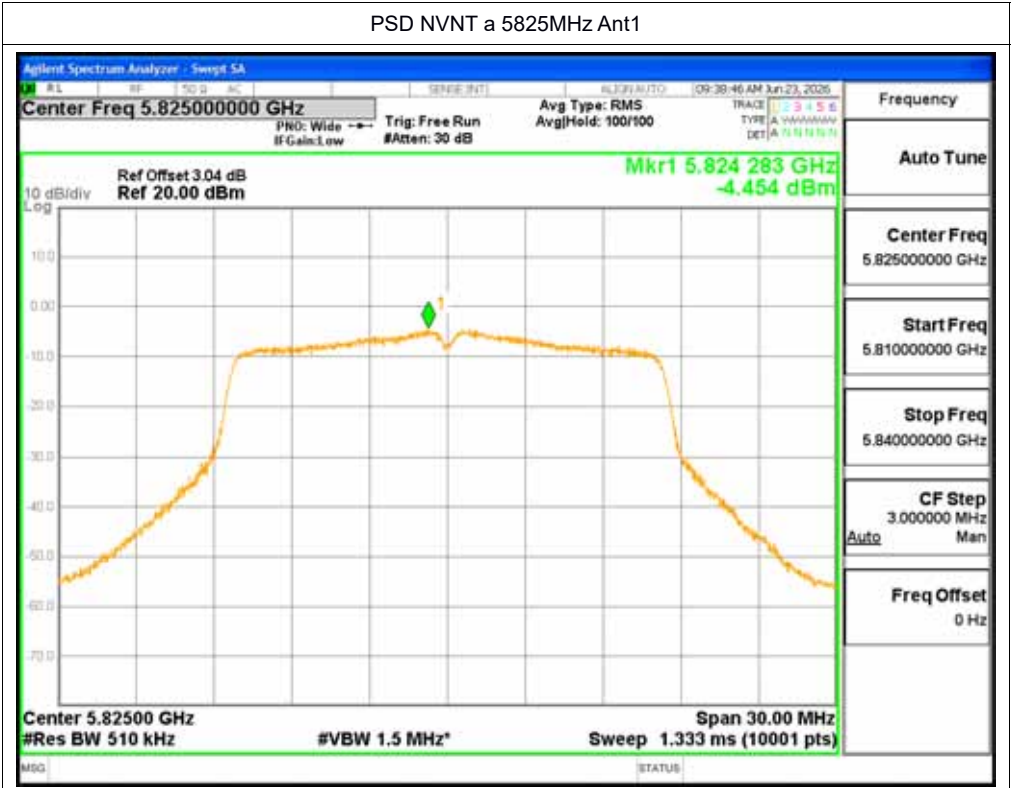
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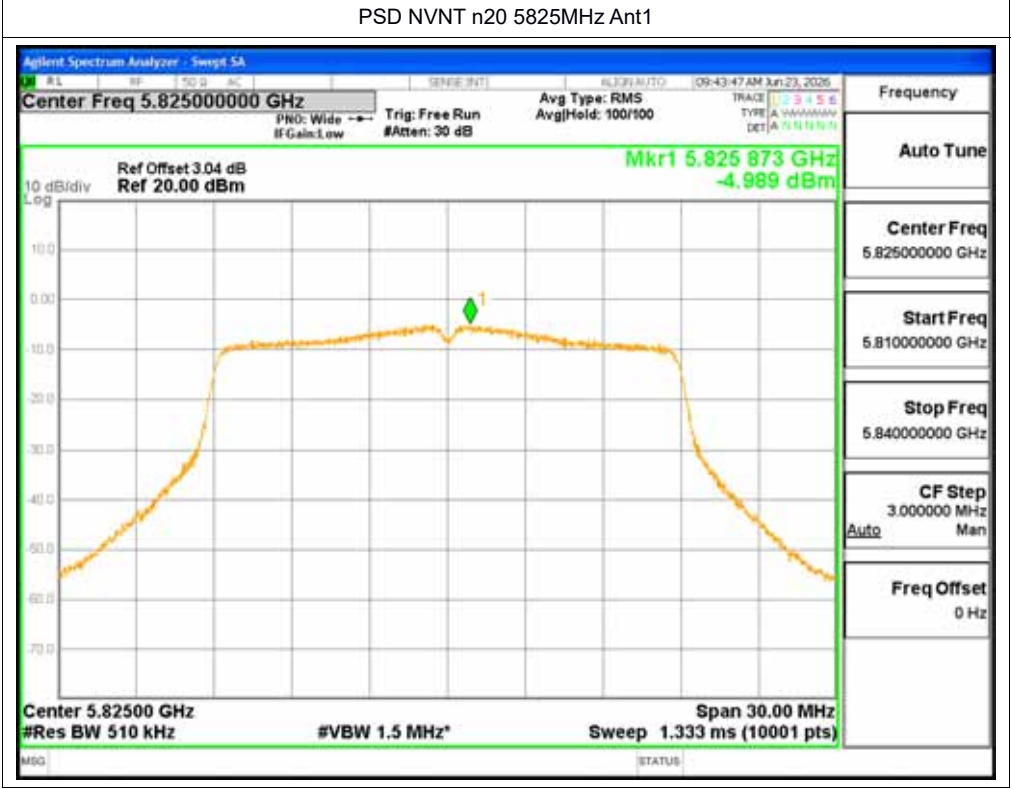
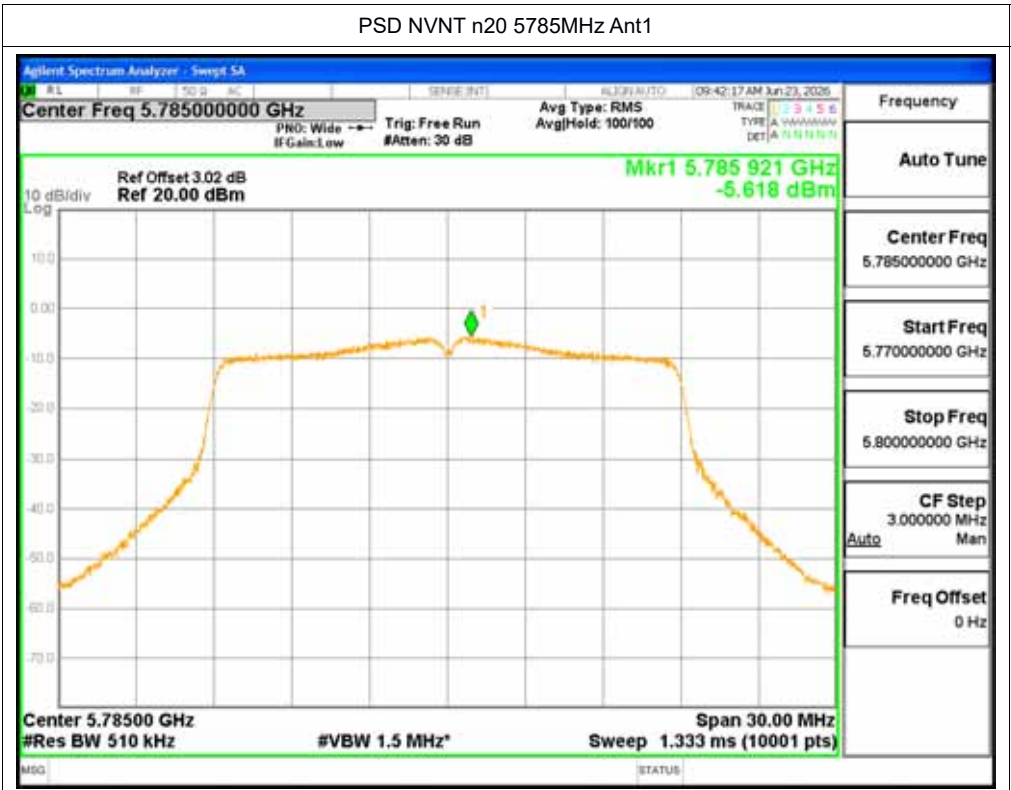
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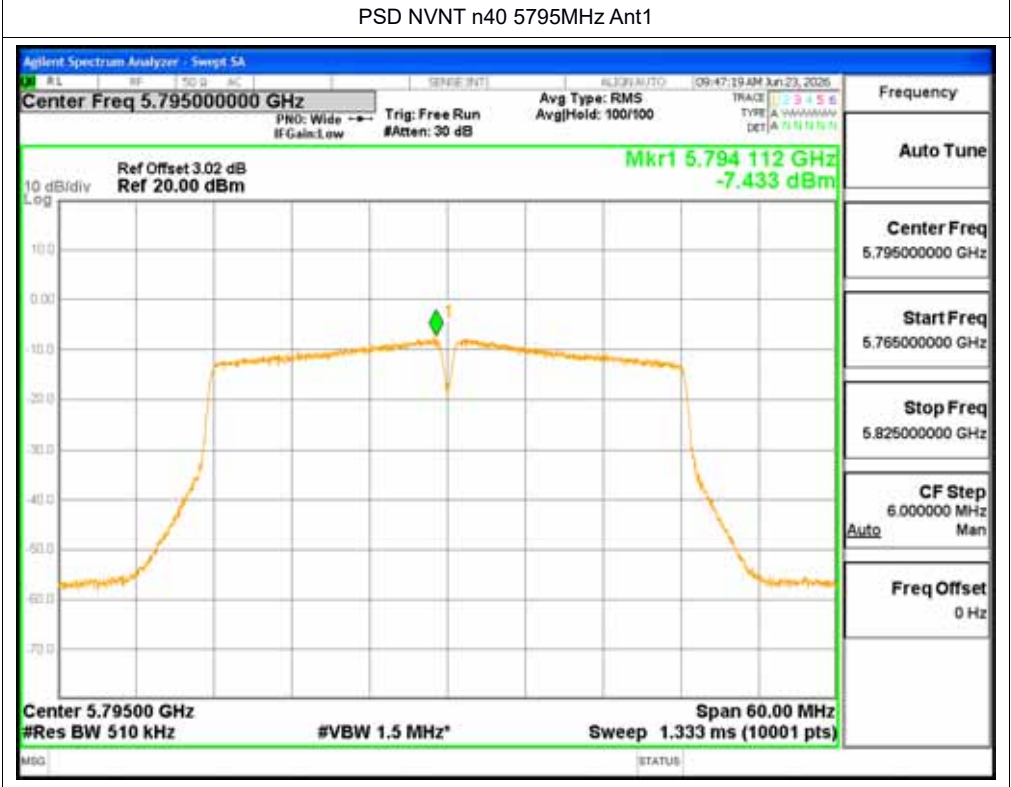
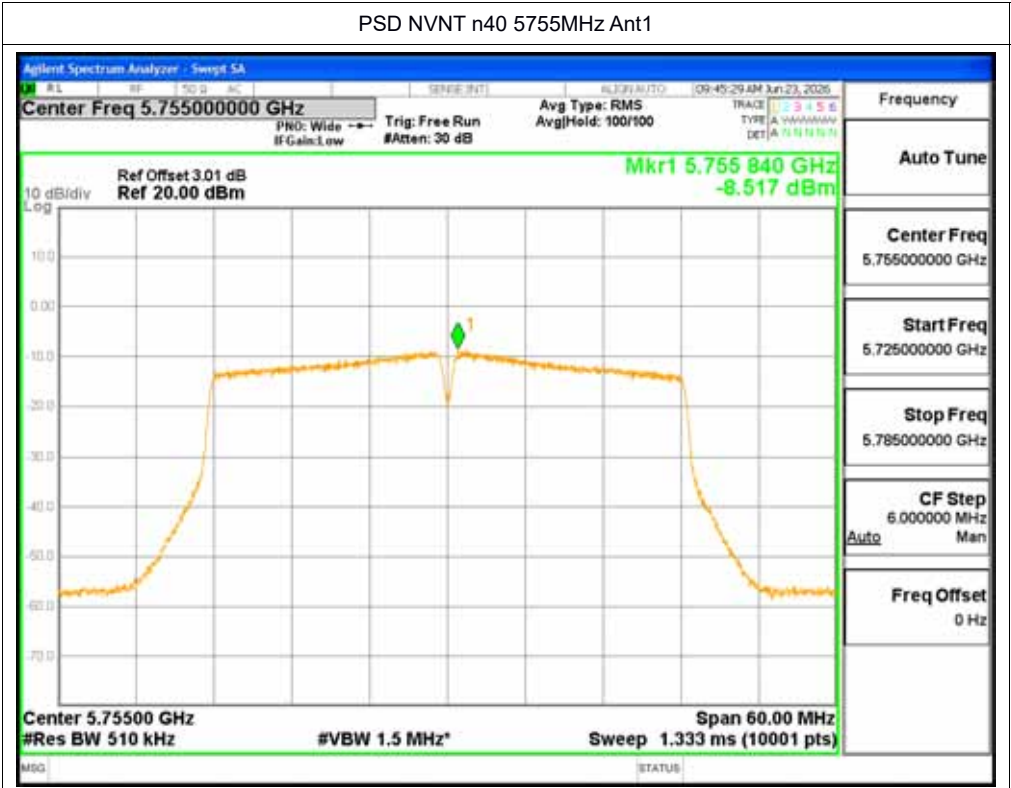
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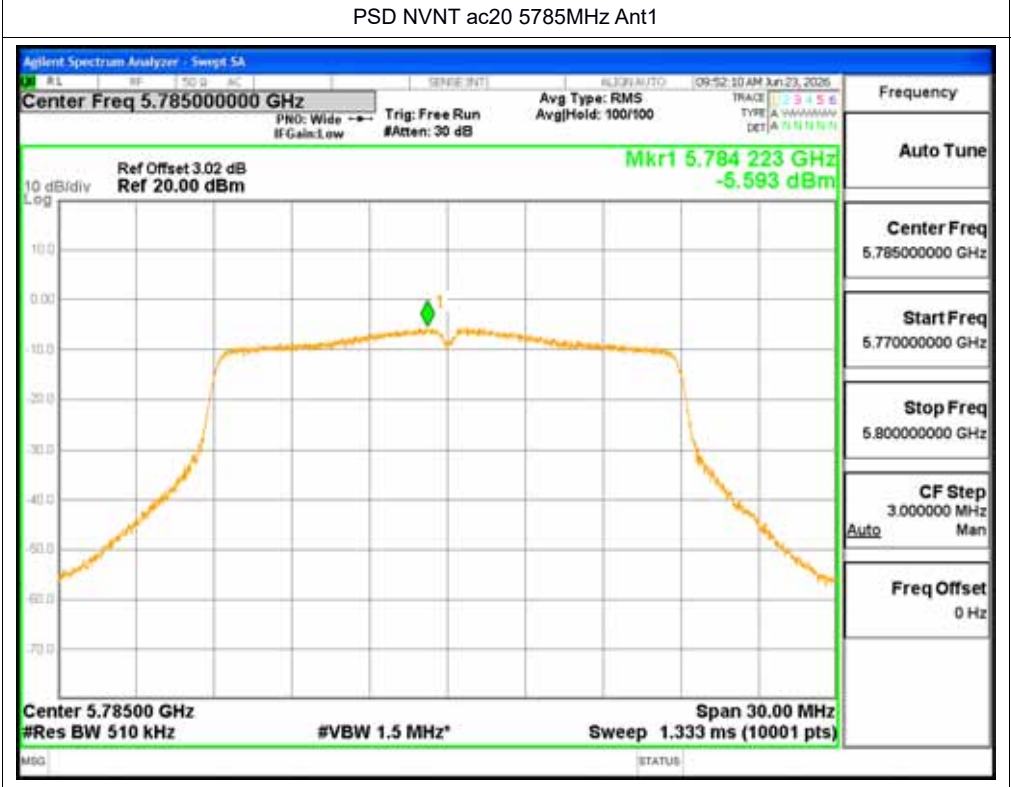
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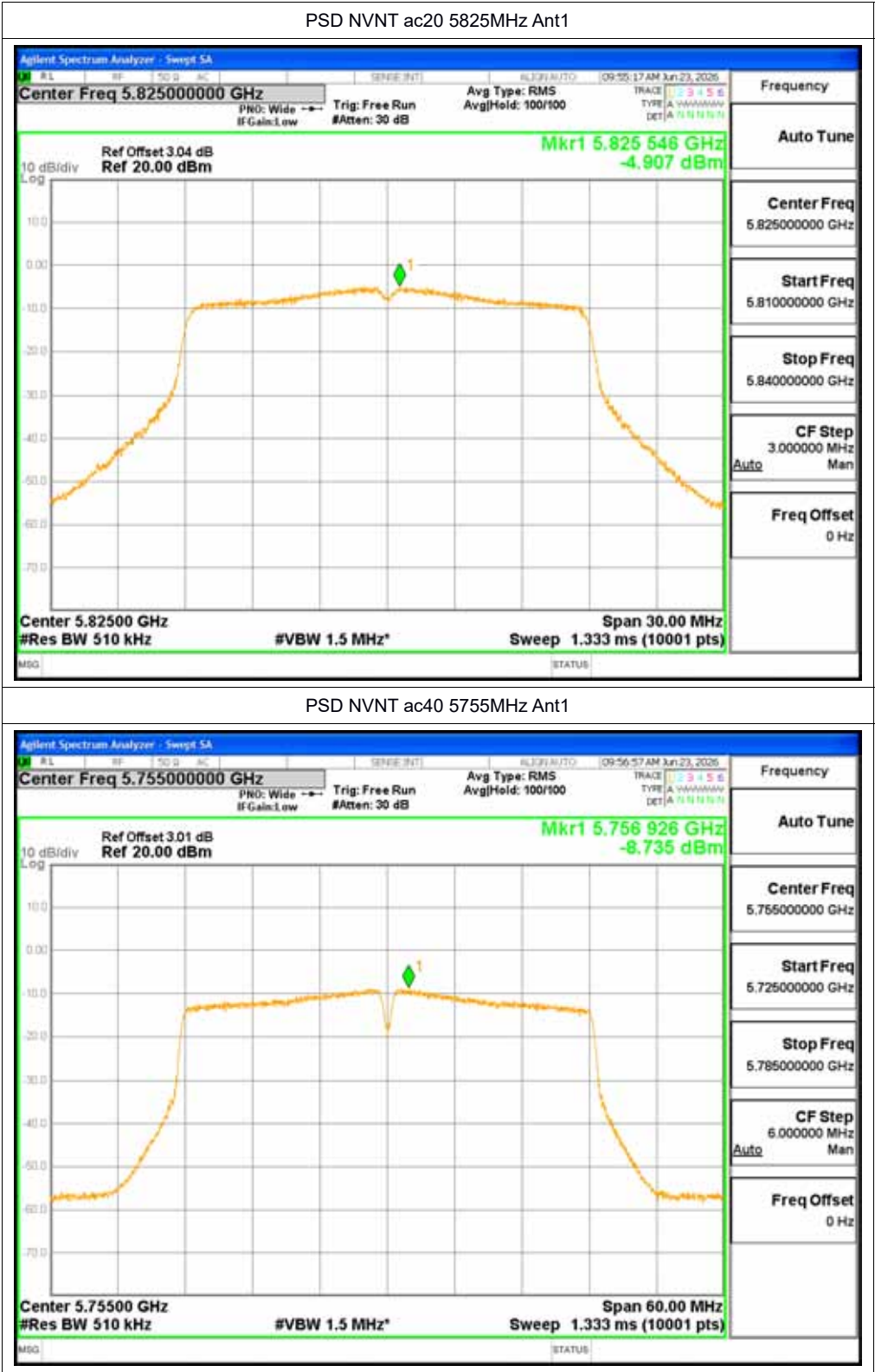
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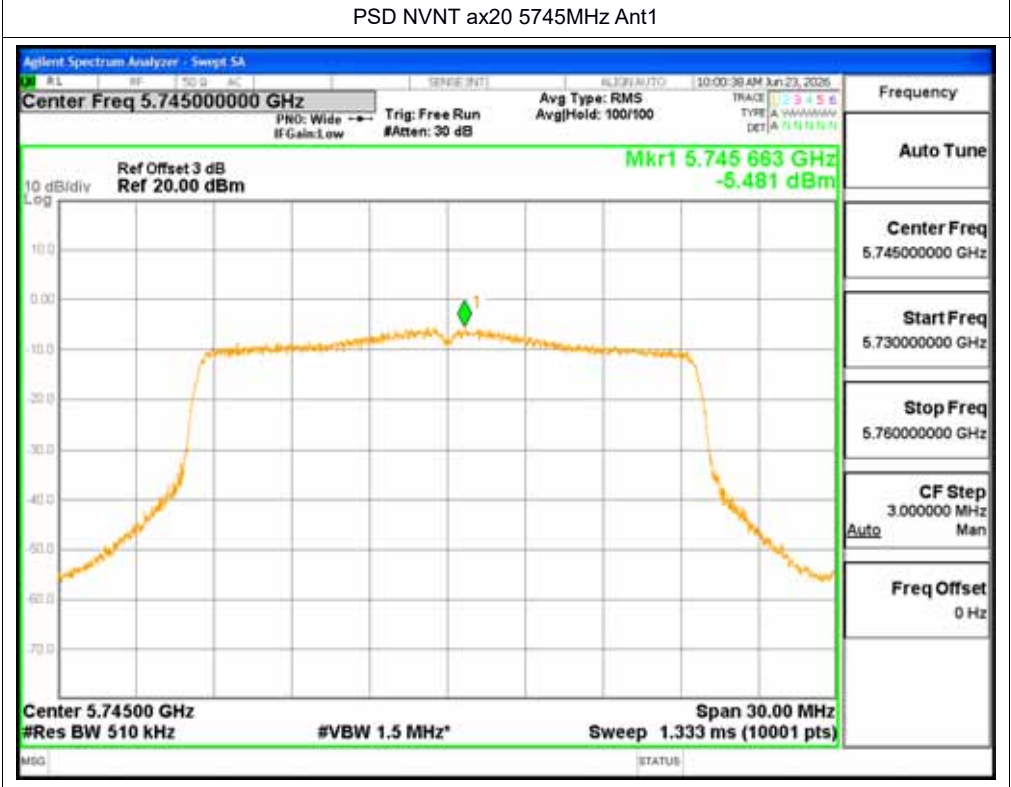
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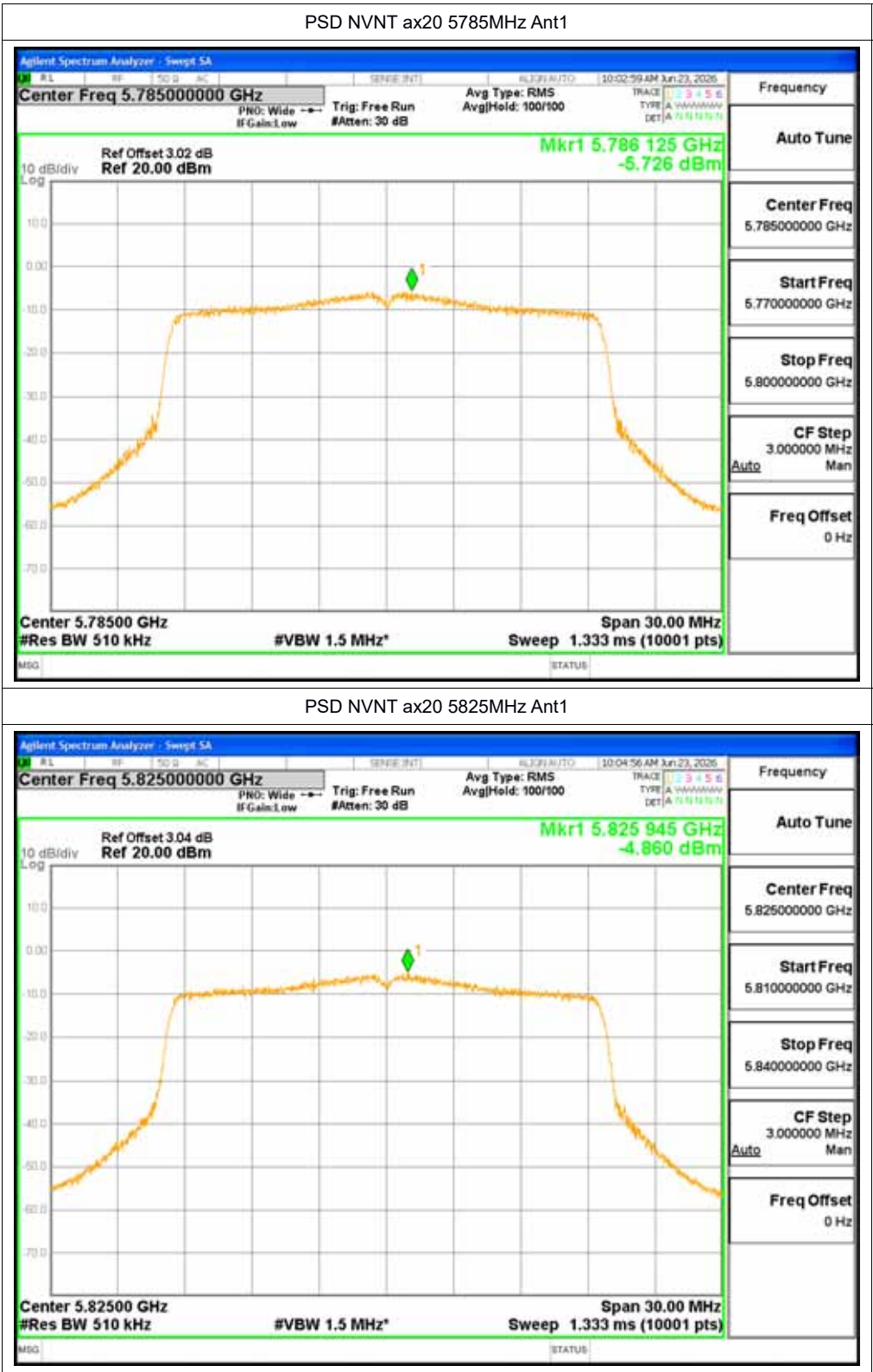
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## **10.0 Frequency Stability**

### **10.1 Limits of Frequency Stability Measurement**

The frequency tolerance of the carrier signal shall be maintained within  $\pm 0.02\%$  of the operating frequency over a temperature variation of  $-30$  degrees to  $50$  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

### **10.2 Test Procedure**

1. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. 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.

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### 10.3 Test Result

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | 5180.02                  | 20000                | 3.86            | 25          | Pass    |
|           |      | 5200            |         | 5200.04                  | 40000                | 7.69            | 25          | Pass    |
|           |      | 5240            |         | 5240.04                  | 40000                | 7.63            | 25          | Pass    |
|           | n20  | 5180            |         | 5180.04                  | 40000                | 7.72            | 25          | Pass    |
|           |      | 5200            |         | 5200.06                  | 60000                | 11.54           | 25          | Pass    |
|           |      | 5240            |         | 5240.06                  | 60000                | 11.45           | 25          | Pass    |
|           | n40  | 5190            |         | 5190.04                  | 40000                | 7.71            | 25          | Pass    |
|           |      | 5230            |         | 5230.08                  | 80000                | 15.3            | 25          | Pass    |
|           | ac20 | 5180            |         | 5180.06                  | 60000                | 11.58           | 25          | Pass    |
|           |      | 5200            |         | 5200.06                  | 60000                | 11.54           | 25          | Pass    |
|           |      | 5240            |         | 5240.06                  | 60000                | 11.45           | 25          | Pass    |
|           | ac40 | 5190            |         | 5190.12                  | 120000               | 23.12           | 25          | Pass    |
|           |      | 5230            |         | 5230                     | 0                    | 0               | 25          | Pass    |
|           | ax20 | 5180            |         | 5180                     | 0                    | 0               | 25          | Pass    |
|           |      | 5200            |         | 5199.94                  | -60000               | -11.54          | 25          | Pass    |
|           |      | 5240            |         | 5239.98                  | -20000               | -3.82           | 25          | Pass    |
|           | ax40 | 5190            |         | 5190.04                  | 40000                | 7.71            | 25          | Pass    |
|           |      | 5230            |         | 5230.04                  | 40000                | 7.65            | 25          | Pass    |

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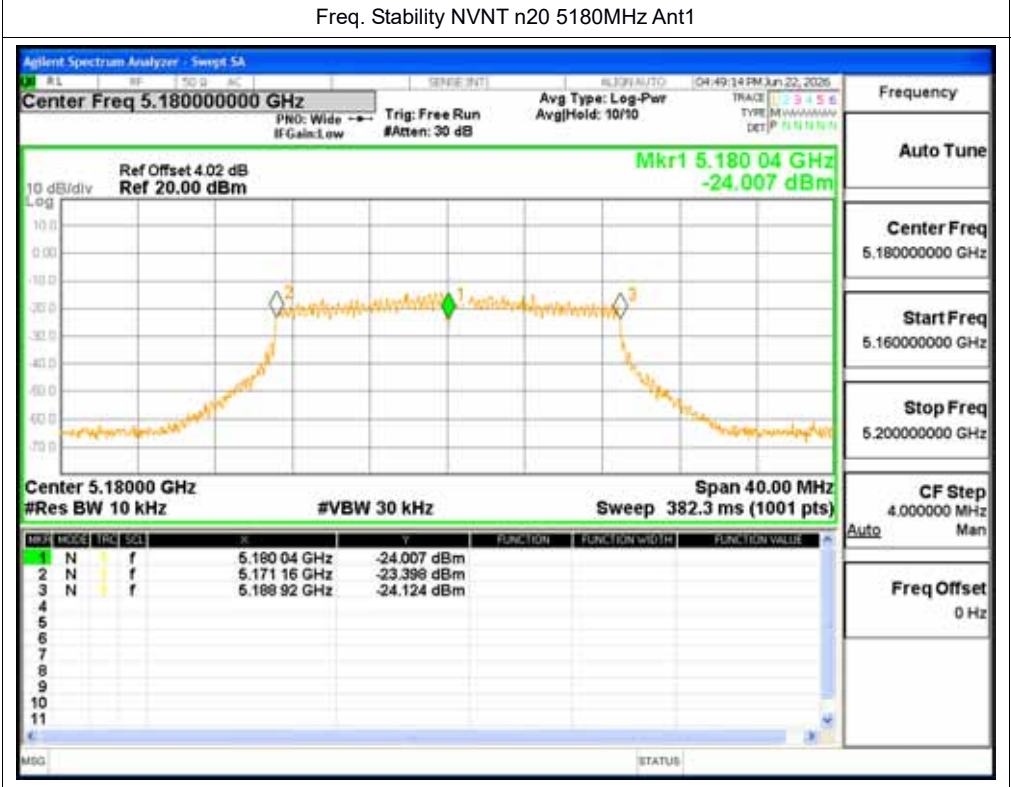
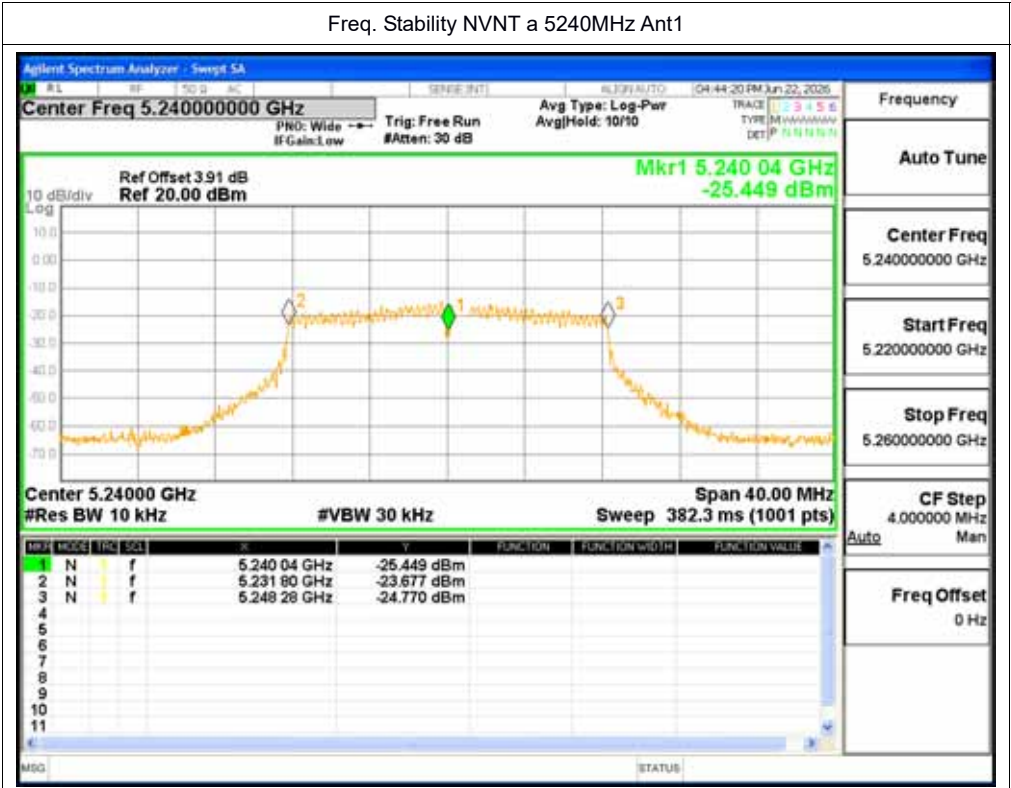
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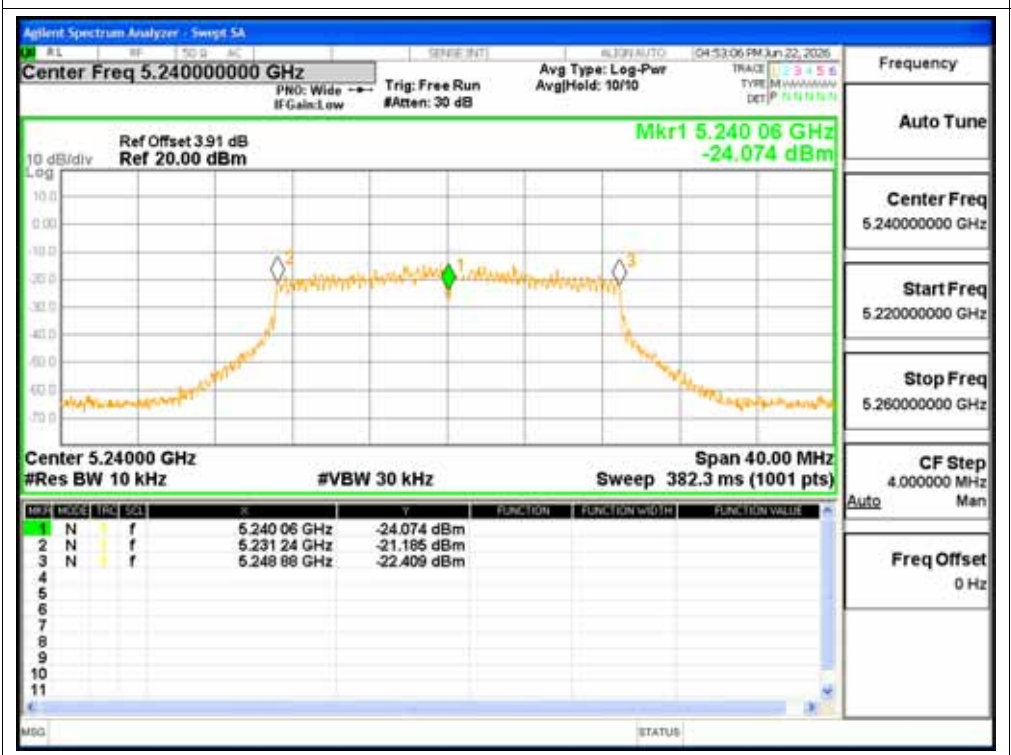
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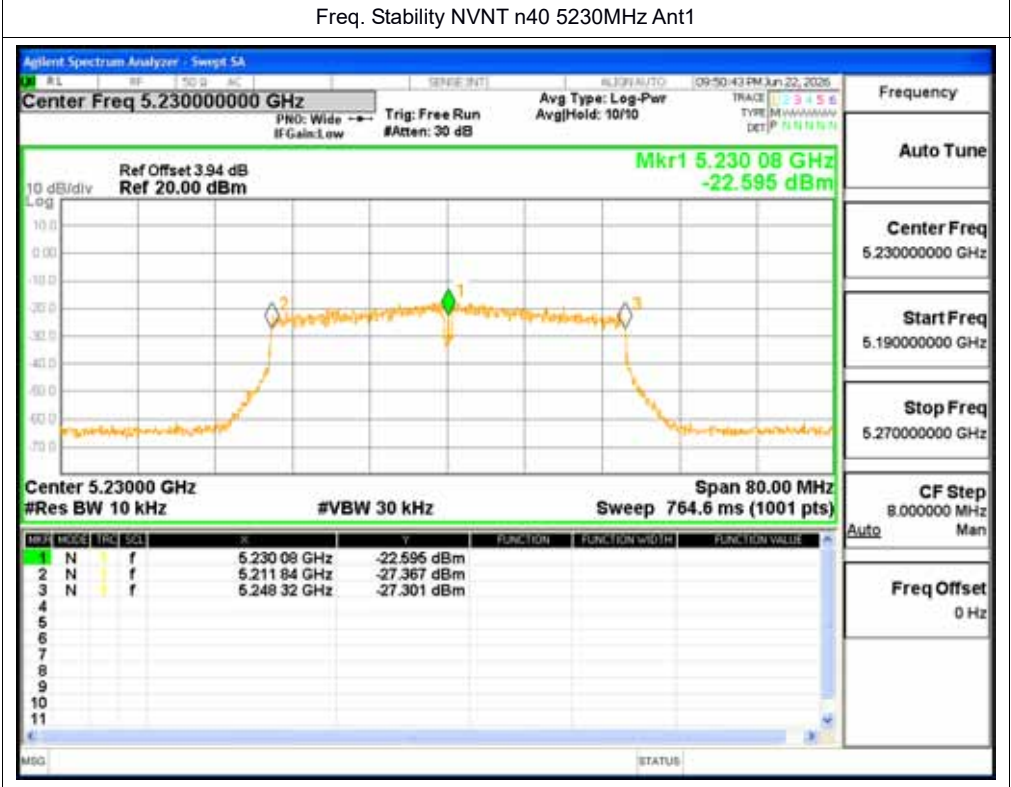
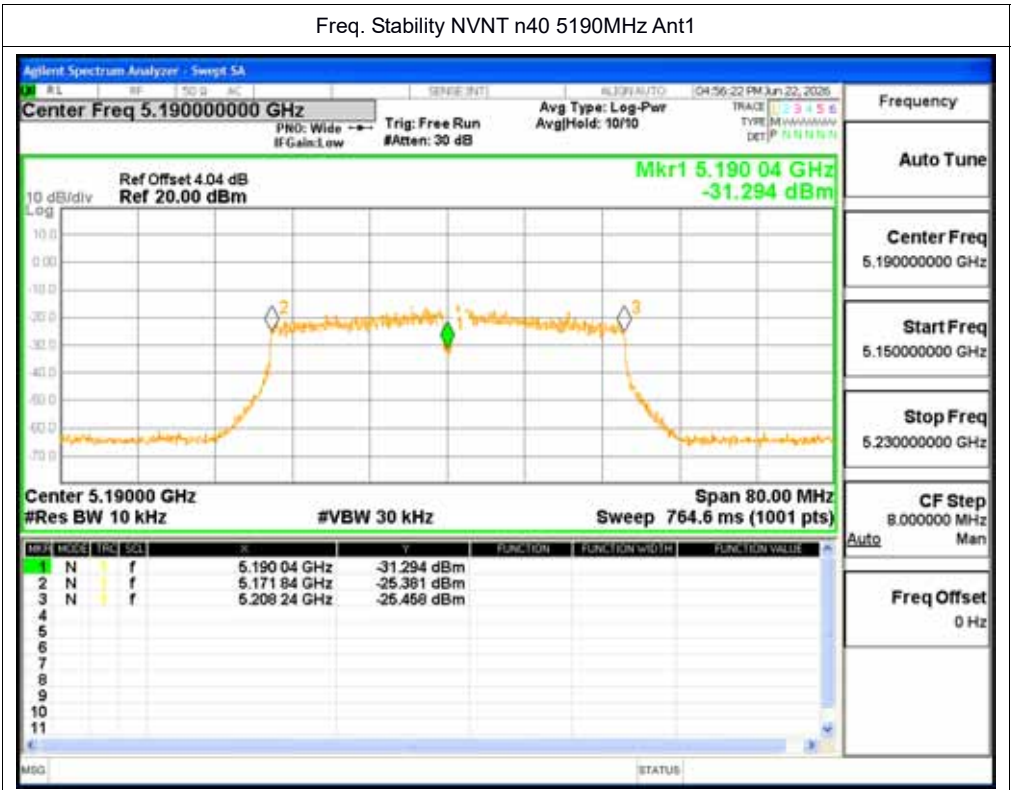
Freq. Stability NVNT n20 5200MHz Ant1



Freq. Stability NVNT n20 5240MHz Ant1



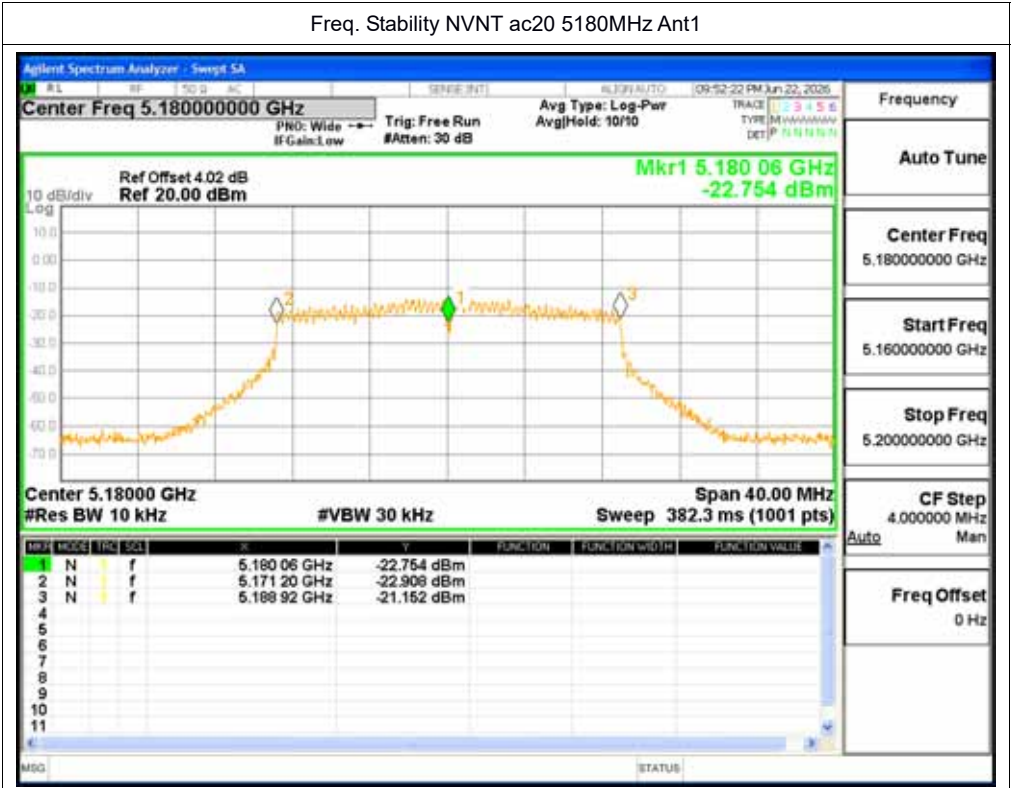
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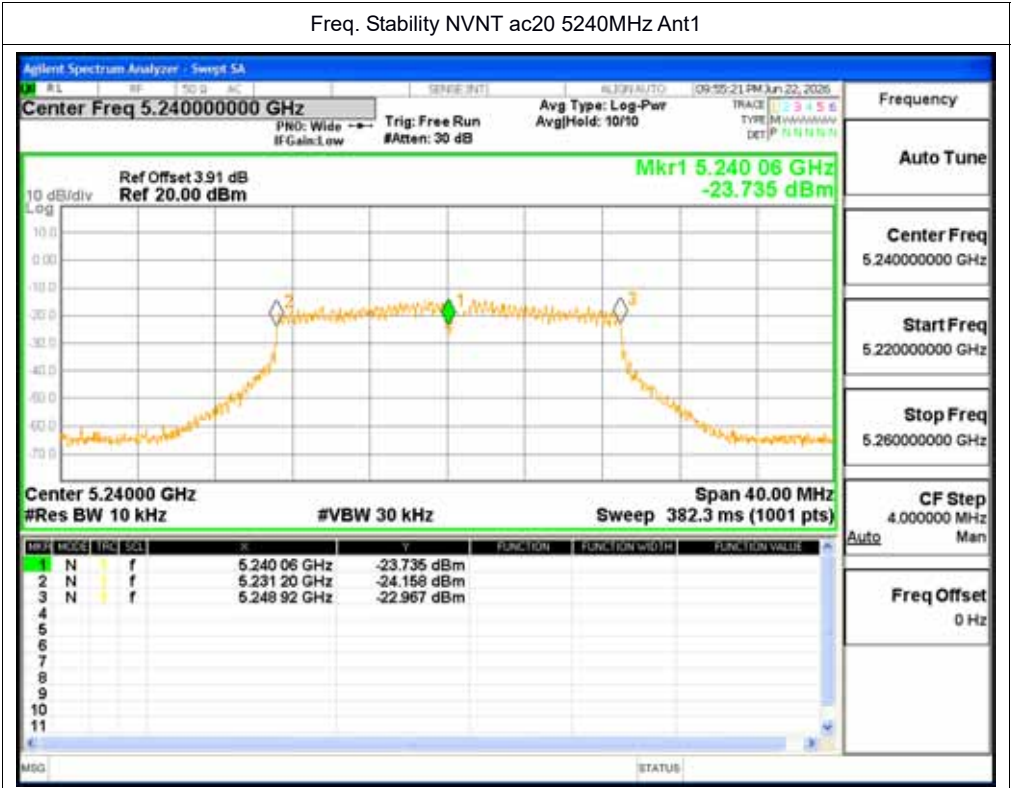
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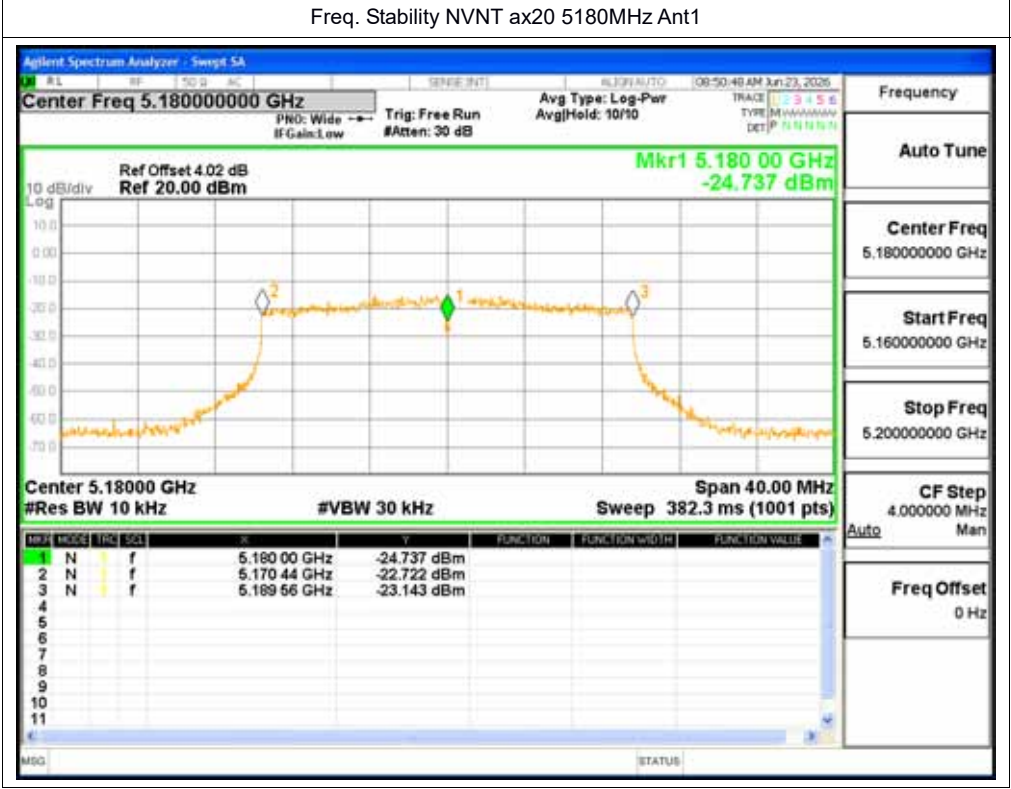
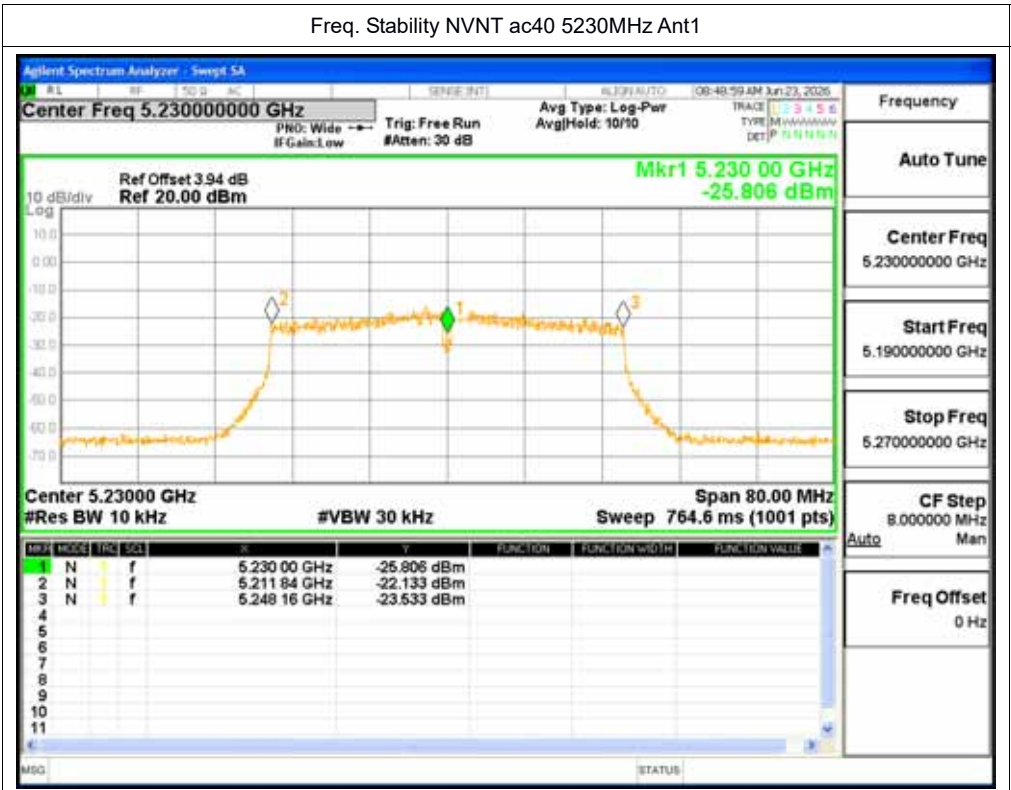
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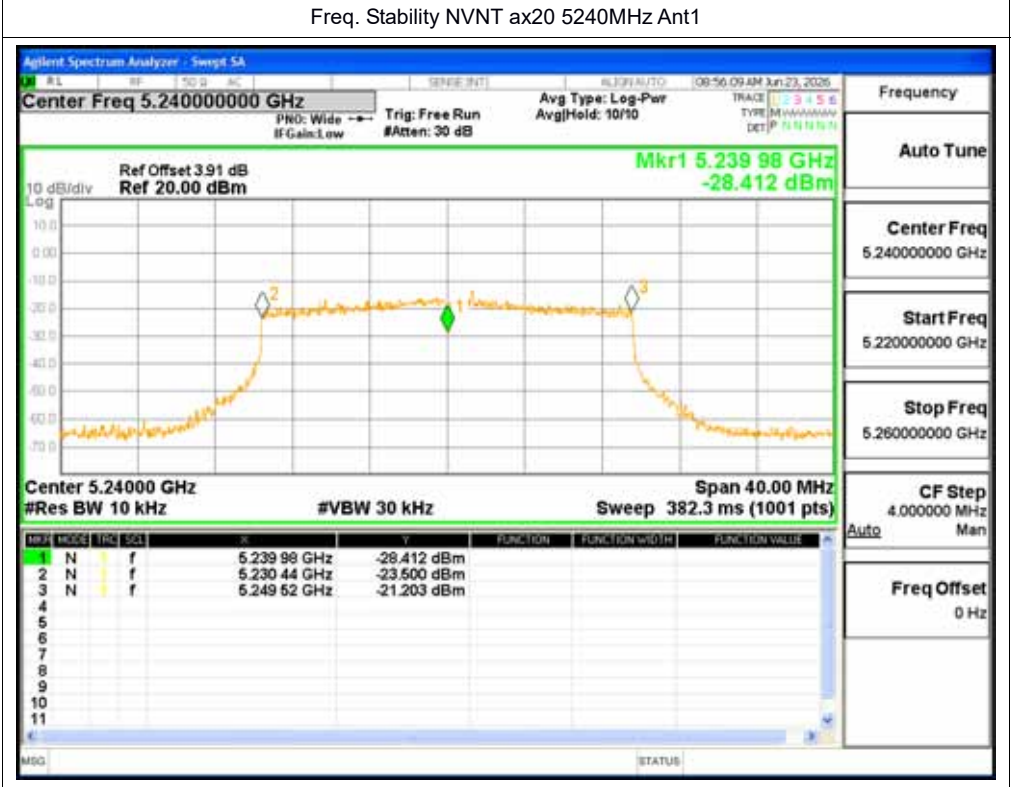
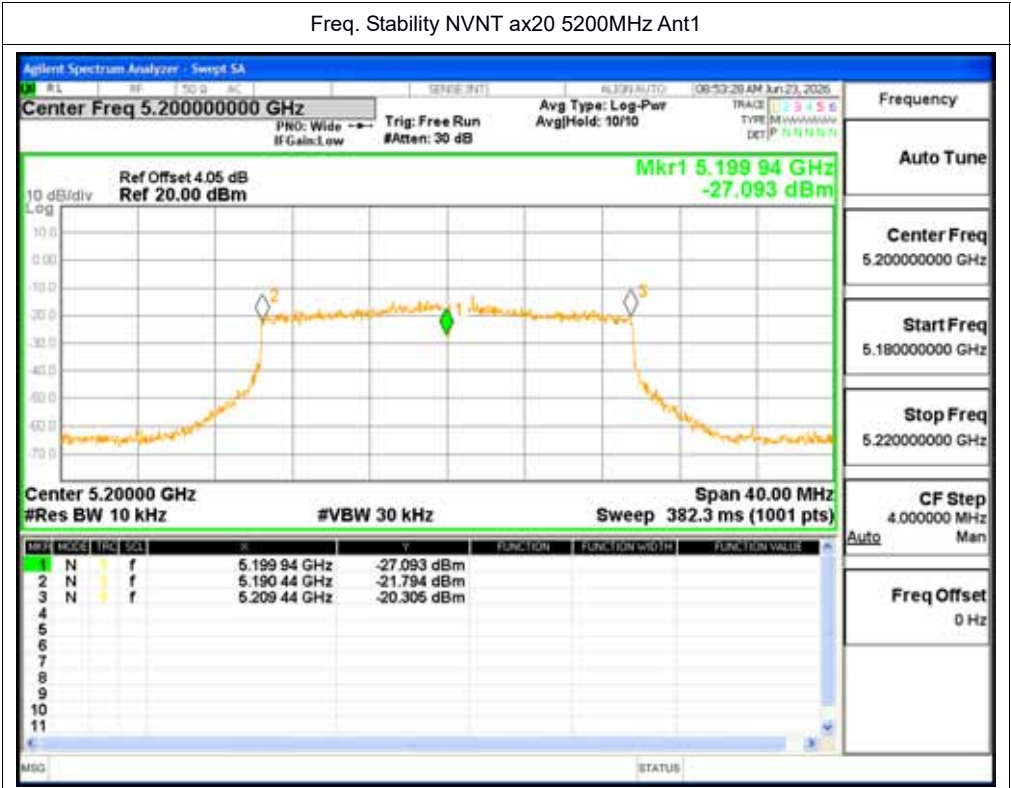
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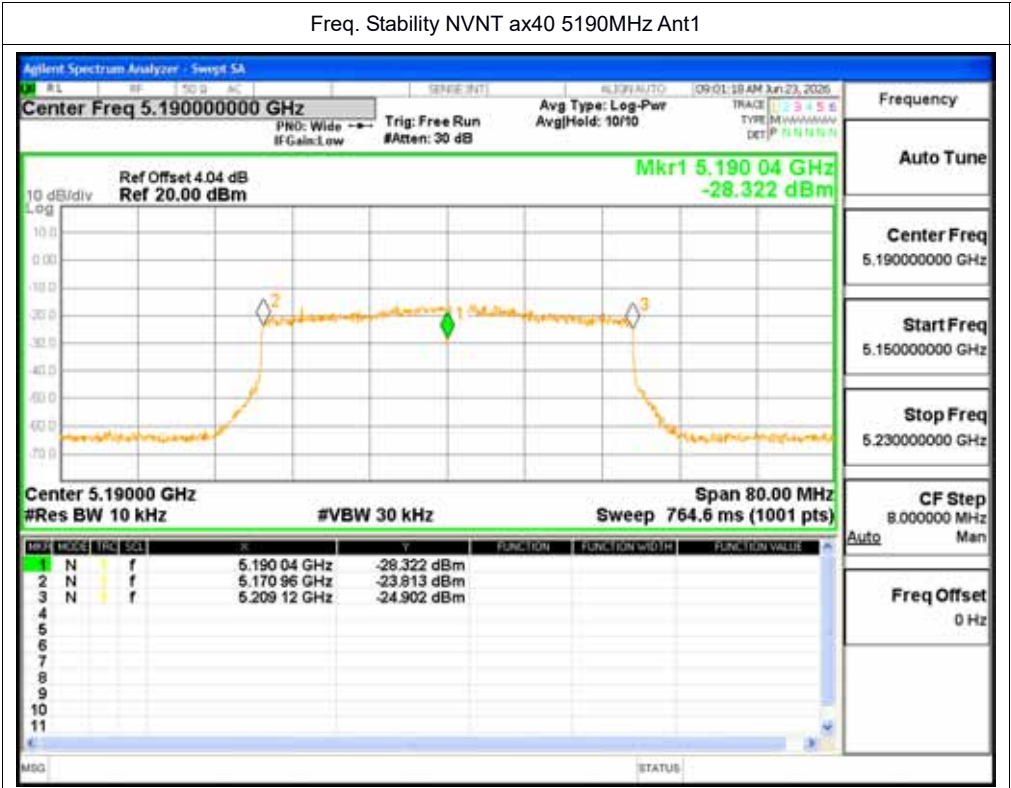
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| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 5745                     | 0                    | 0               | 25          | Pass    |
|           |      | 5785            |         | 5785                     | 0                    | 0               | 25          | Pass    |
|           |      | 5825            |         | 5825.02                  | 20000                | 3.43            | 25          | Pass    |
|           | n20  | 5745            |         | 5745                     | 0                    | 0               | 25          | Pass    |
|           |      | 5785            |         | 5785.02                  | 20000                | 3.46            | 25          | Pass    |
|           |      | 5825            |         | 5825.02                  | 20000                | 3.43            | 25          | Pass    |
|           | n40  | 5755            |         | 5755.04                  | 40000                | 6.95            | 25          | Pass    |
|           |      | 5795            |         | 5795                     | 0                    | 0               | 25          | Pass    |
|           | ac20 | 5745            |         | 5745.02                  | 20000                | 3.48            | 25          | Pass    |
|           |      | 5785            |         | 5785                     | 0                    | 0               | 25          | Pass    |
|           |      | 5825            |         | 5825                     | 0                    | 0               | 25          | Pass    |
|           | ac40 | 5755            |         | 5755                     | 0                    | 0               | 25          | Pass    |
|           |      | 5795            |         | 5795.04                  | 40000                | 6.9             | 25          | Pass    |
|           | ax20 | 5745            |         | 5745.02                  | 20000                | 3.48            | 25          | Pass    |
|           |      | 5785            |         | 5785.02                  | 20000                | 3.46            | 25          | Pass    |
|           |      | 5825            |         | 5824.98                  | -20000               | -3.43           | 25          | Pass    |
|           | ax40 | 5755            |         | 5755.04                  | 40000                | 6.95            | 25          | Pass    |
|           |      | 5795            |         | 5795.04                  | 40000                | 6.9             | 25          | Pass    |

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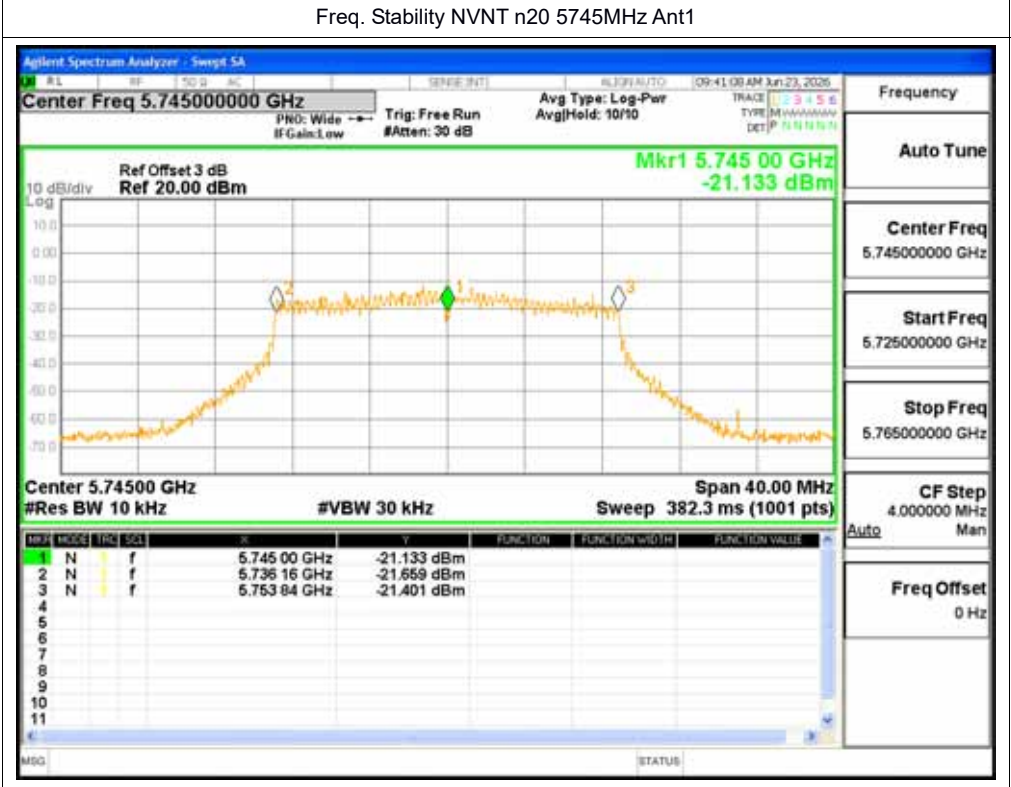
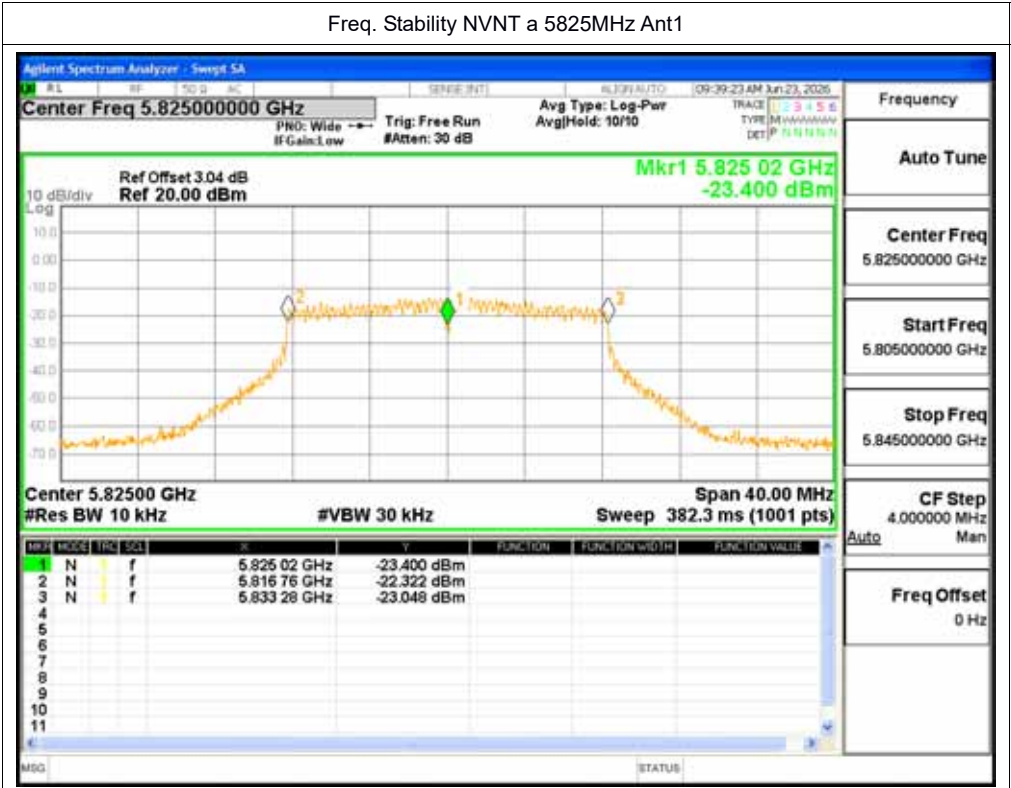
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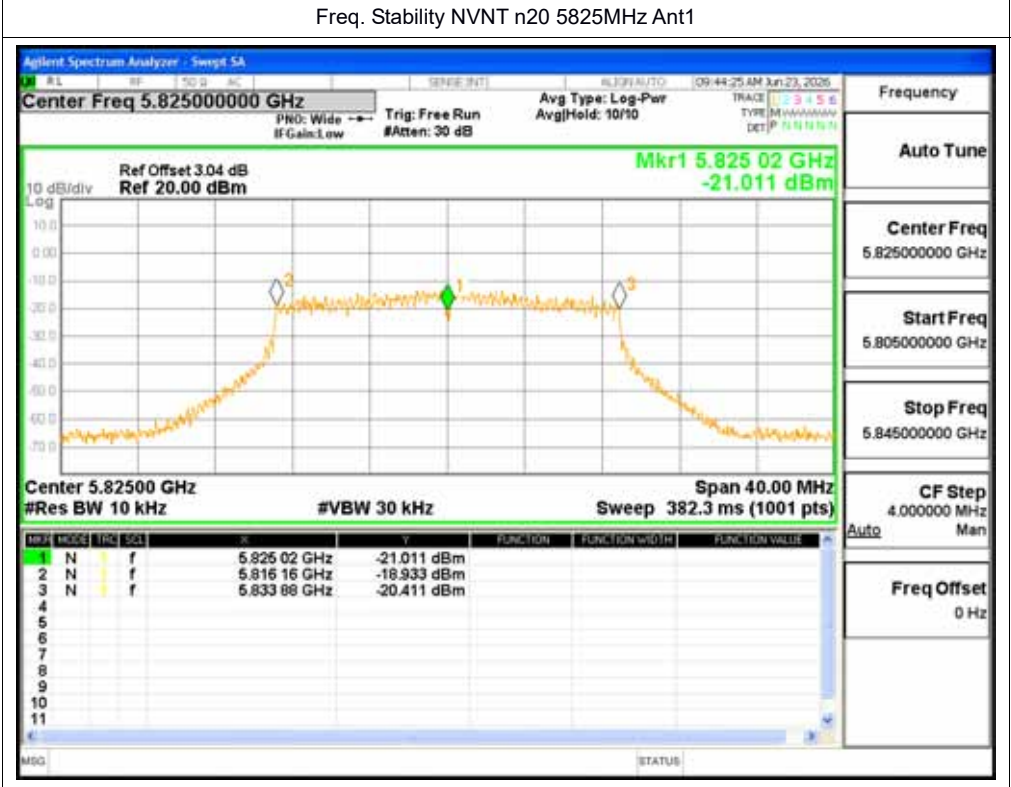
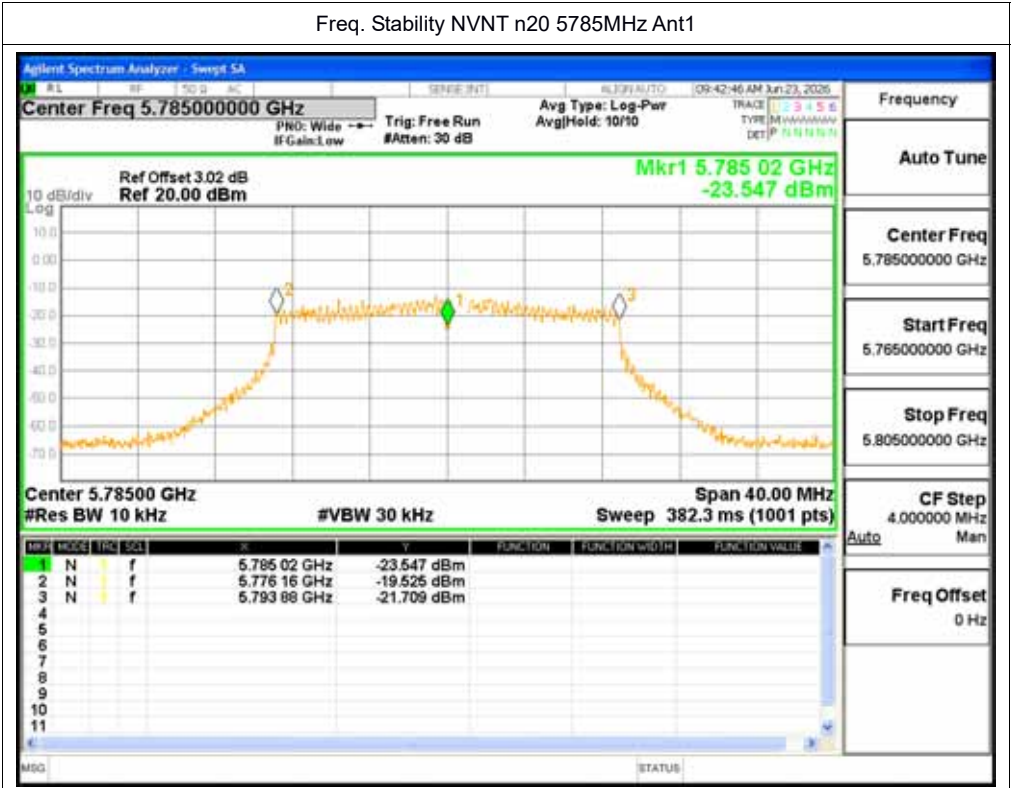
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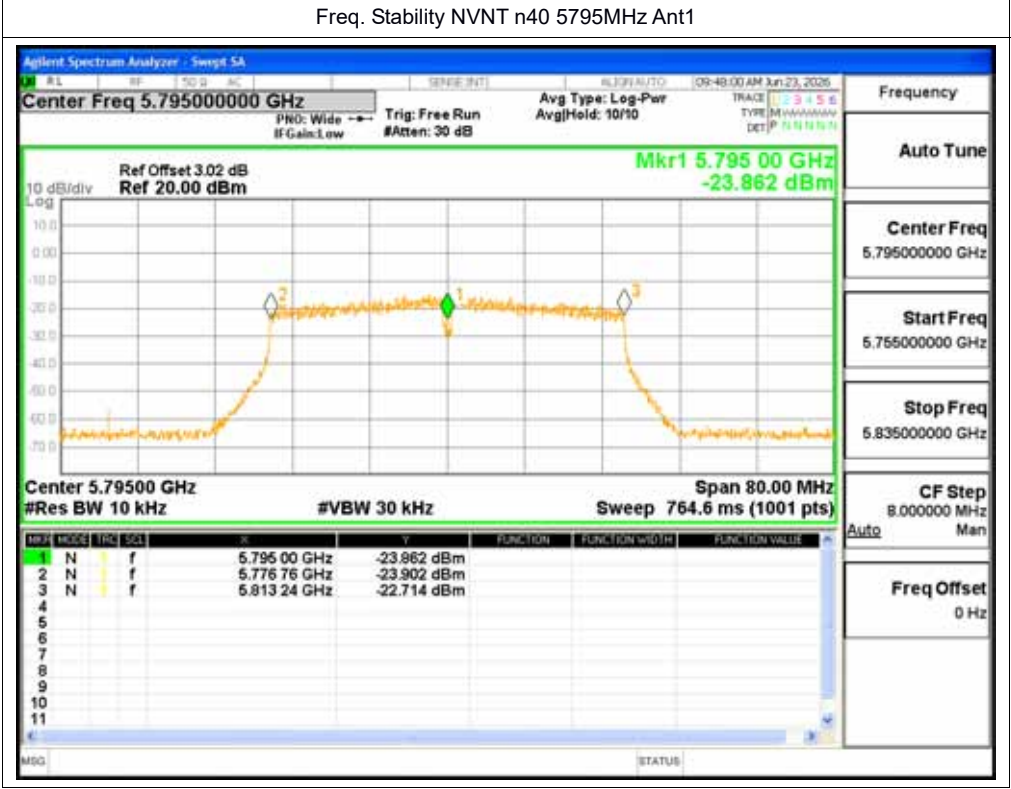
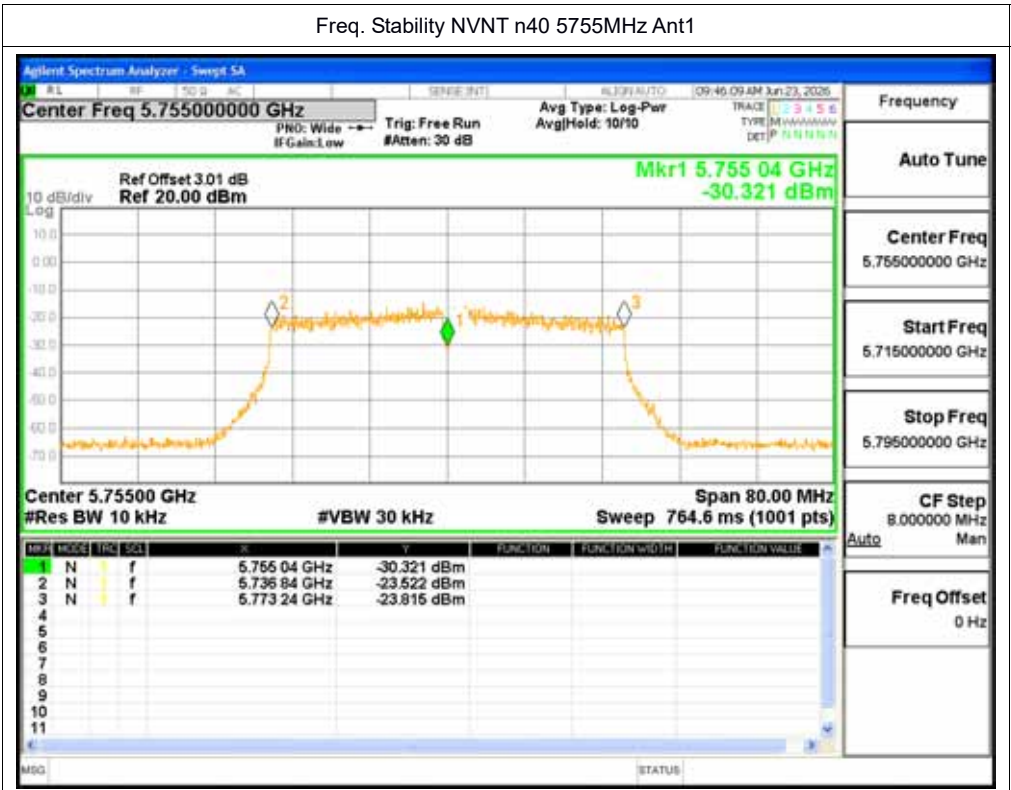
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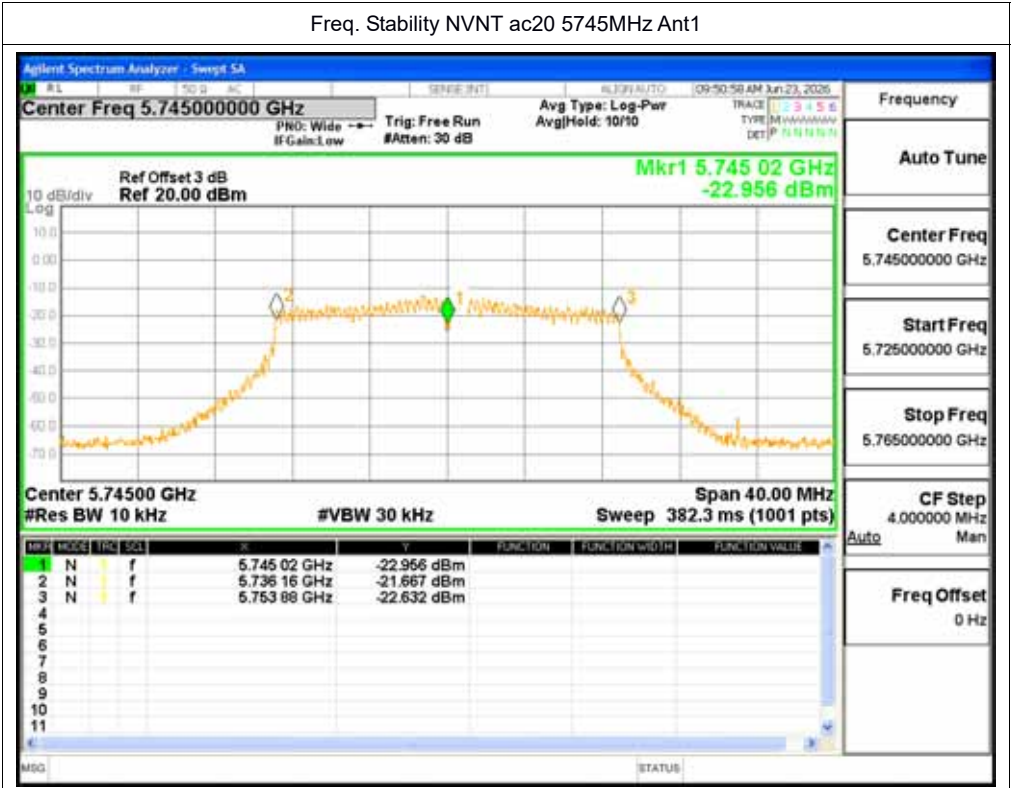
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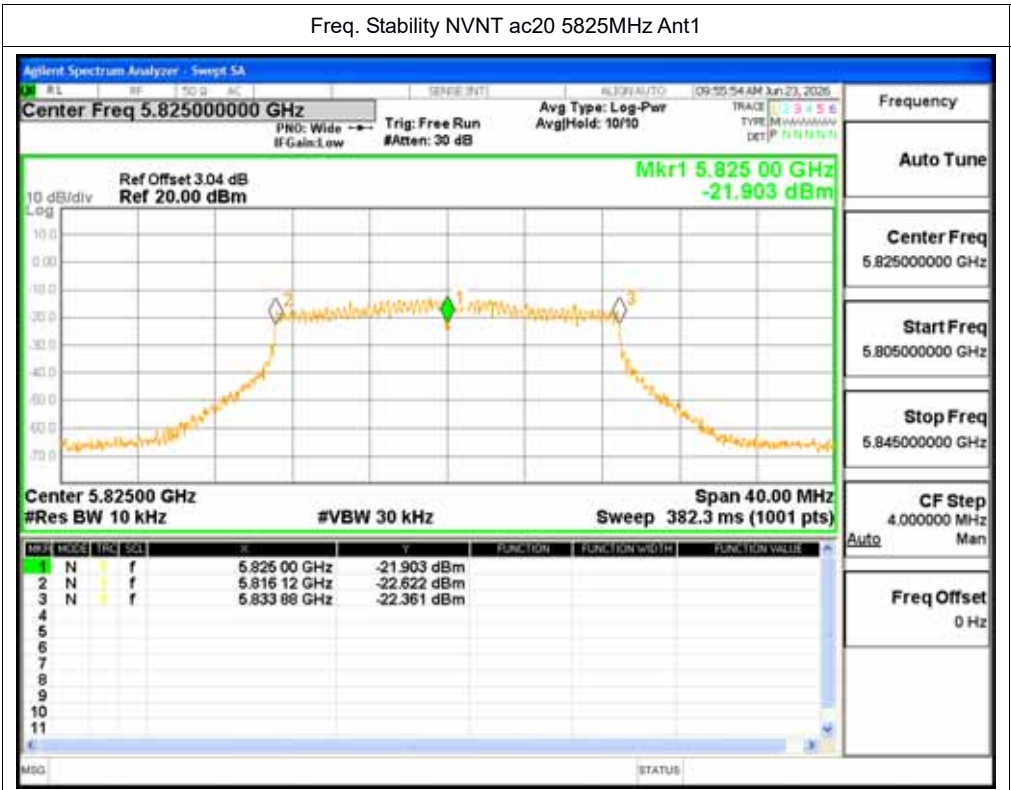
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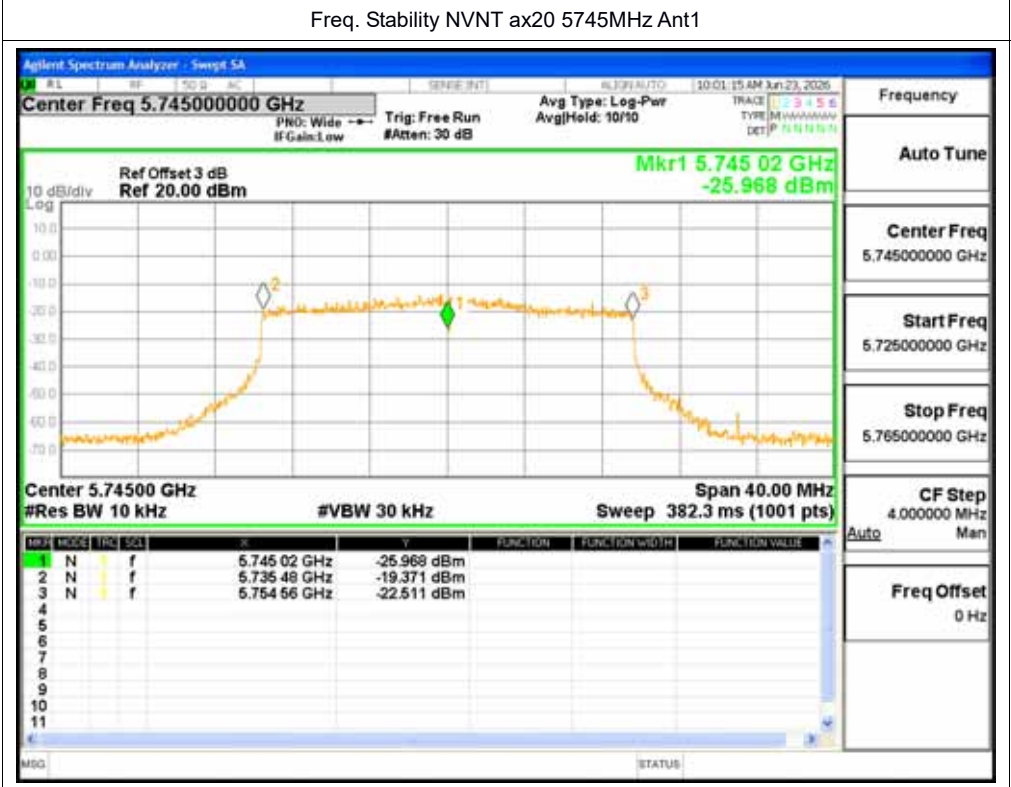
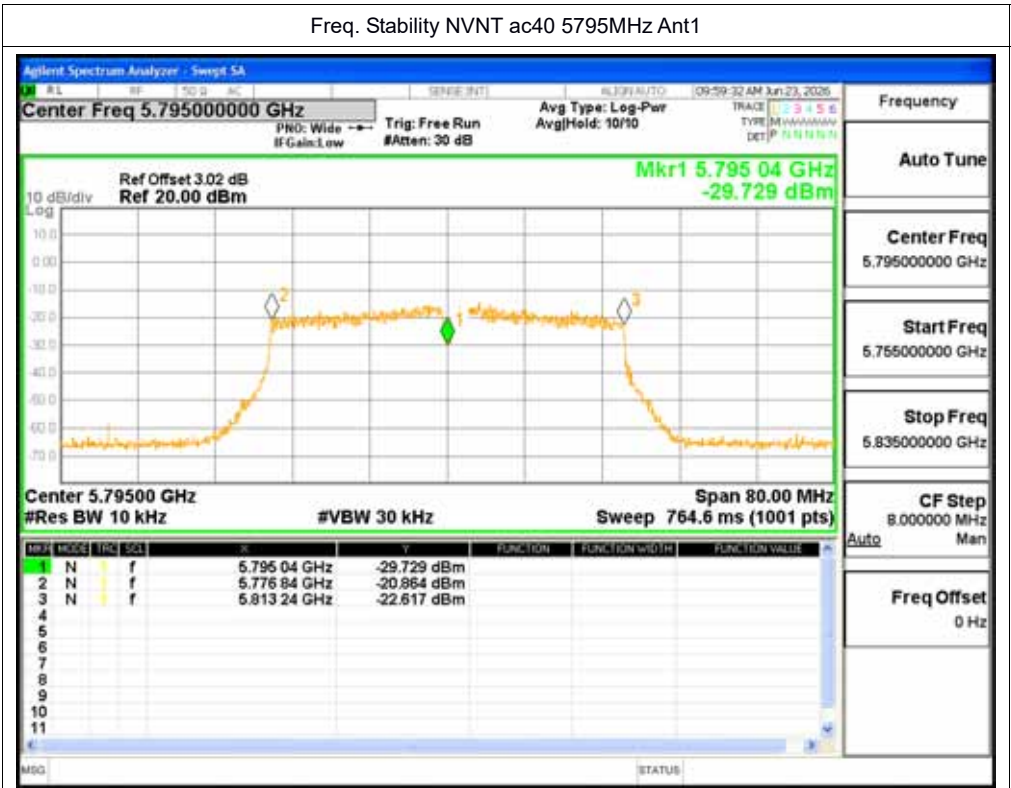
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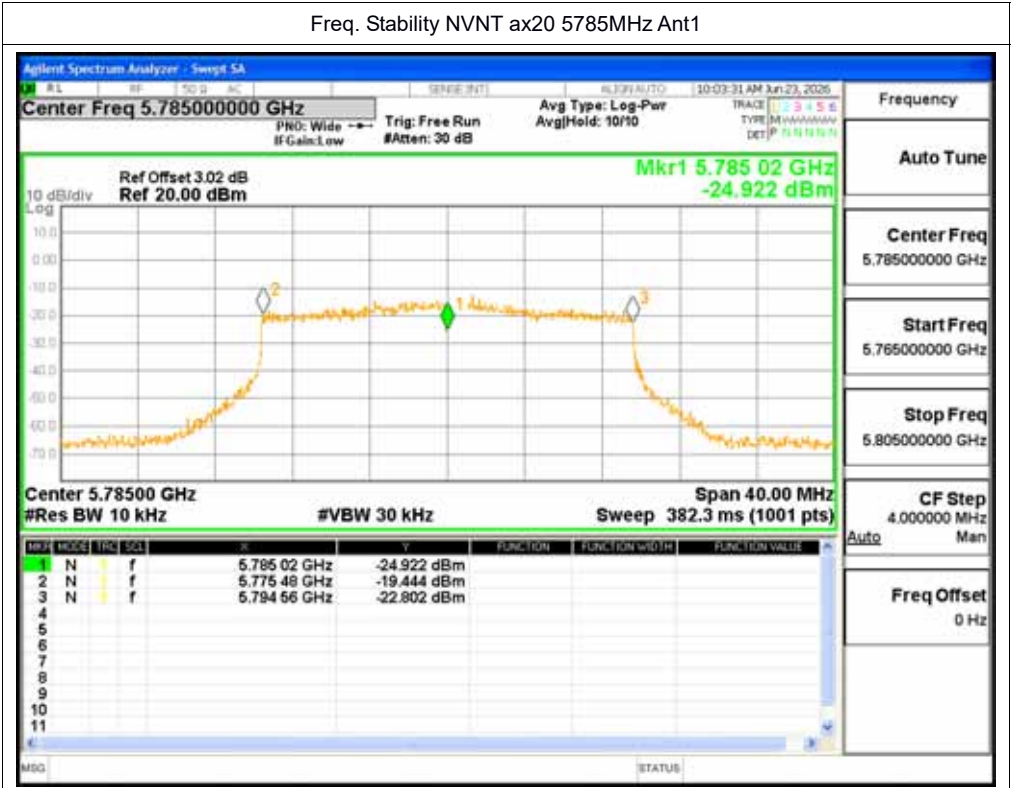
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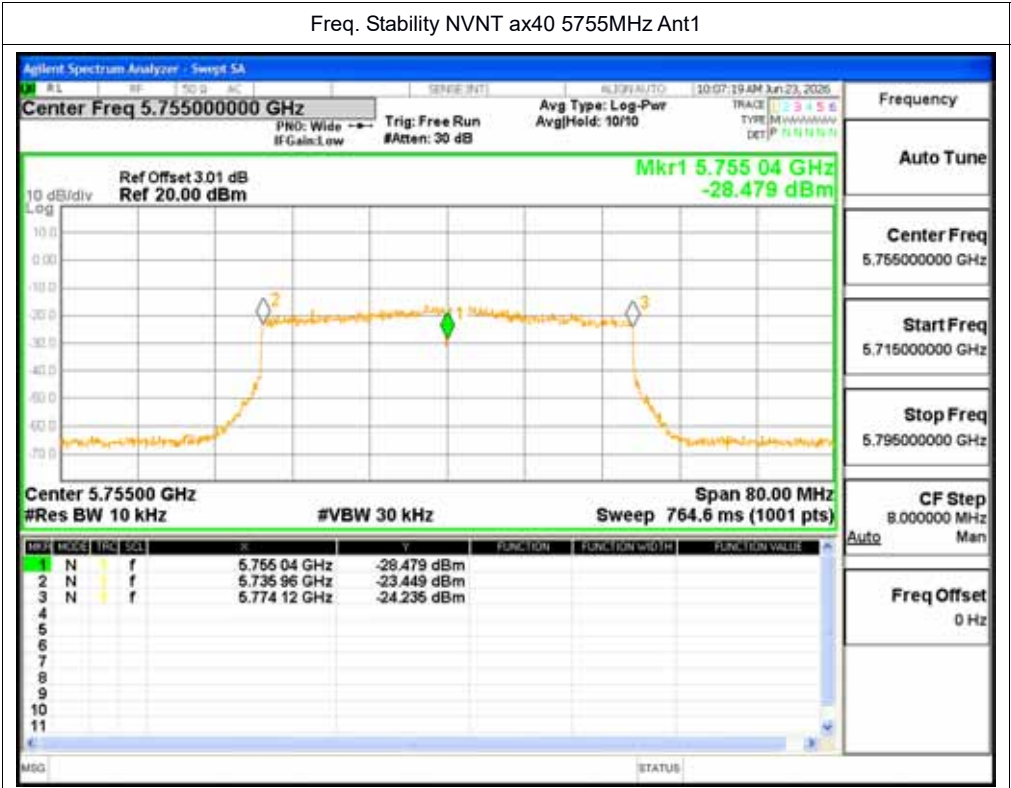
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## **11.0 Antenna Requirement**

### **11.1 Standard Applicable**

For intentional device, according to FCC 47 CFR Section 15.203, 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **11.2 Antenna Connected construction**

FPC antenna used. The gain of the antennas is 4.22dBi maximum. (Get from the antenna specification provided the applicant)

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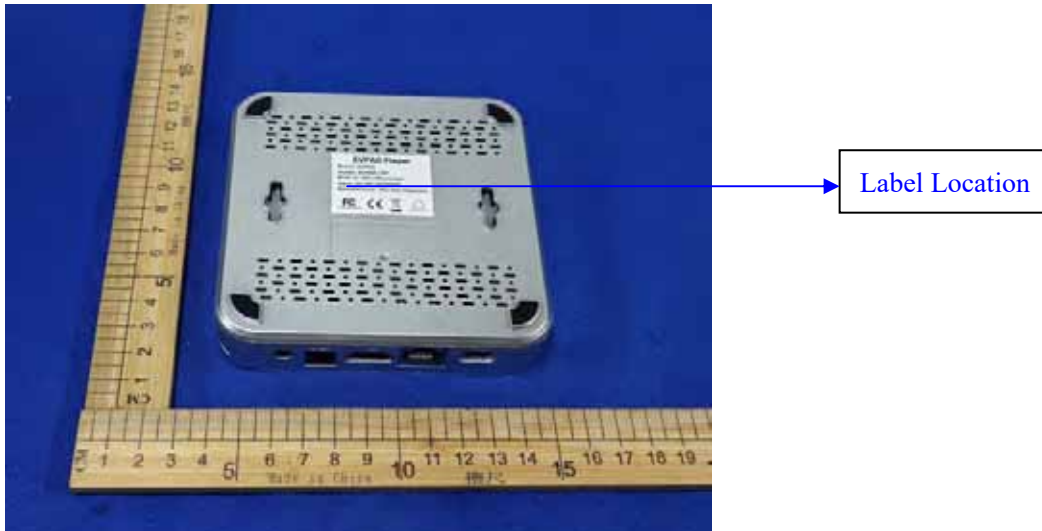


## 12.0 FCC ID Label

### FCC ID: 2A4G813P13S

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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### 13.0 Photo of testing

Conducted Emission Test Setup:



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### Radiated Emission Test Setup



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RF test view



#### Photos of EUT

Please see test report TWN2606521-01E

--End of the report--

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