

# TEST REPORT



**Dt&C Co., Ltd.**

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Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRTFCC2307-0104(1)

2. Customer

- Name (FCC) : Point Mobile Co., LTD. / Name (IC) : POINTMOBILE CO.,LTD
- Address (FCC) : B-9F Kabul Great Valley, 32, Digital-ro 9-gil, Geumcheon-gu, Seoul, South Korea, 08512  
Address (IC) : B-9F Kabul Great Valley, 32, Digital-ro 9-gil, Geumcheon-gu Seoul Korea (Republic Of)

3. Use of Report : FCC & IC Certification

4. Product Name / Model Name : MOBILE COMPUTER / PM86W

FCC ID : V2X-PM86W

IC : 10664A-PM86W

5. FCC Regulation(s): Part 15.407

IC Standard(s): RSS-247 Issue 2, RSS-Gen Issue 5

Test Method used: ANSI C63.10-2013, KDB789033 D02v02r01, KDB662911 D01v02r01

6. Date of Test : 2023.05.08 ~ 2023.06.21, 2023.07.03

7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

8. Testing Environment : See appended test report.

9. Test Result : Refer to the attached test result.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This test report is not related to KOLAS accreditation.

|             |                                                                                                         |                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Affirmation | Tested by                                                                                               | Technical Manager                                                                                       |
|             | Name : SeungMin Gil  | Name : JaeJin Lee  |

2023 . 07 . 27 .

**Dt&C Co., Ltd.**

If this report is required to confirmation of authenticity, please contact to [report@dtnc.net](mailto:report@dtnc.net)

## Test Report Version

| Test Report No.    | Date          | Description             | Revised by   | Reviewed by |
|--------------------|---------------|-------------------------|--------------|-------------|
| DRTFCC2307-0104    | Jul. 20, 2023 | Initial issue           | SeungMin Gil | JaeJin Lee  |
| DRTFCC2307-0104(1) | Jul. 27, 2023 | Revised the section 1.1 | SeungMin Gil | JaeJin Lee  |
|                    |               |                         |              |             |
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## **CONTENTS**

|                                                                            |            |
|----------------------------------------------------------------------------|------------|
| <b>1. General Information .....</b>                                        | <b>4</b>   |
| 1.1 Explanations for Reference Test Data .....                             | 4          |
| 1.1.1. Introduction .....                                                  | 4          |
| 1.1.2. Explain the Differences .....                                       | 4          |
| 1.1.3. Spot Check Verification Data.....                                   | 4          |
| 1.1.4. Reference Section.....                                              | 5          |
| 1.2. Description of EUT .....                                              | 6          |
| 1.3. Declaration by the applicant / manufacturer .....                     | 7          |
| 1.4. Testing Laboratory .....                                              | 7          |
| 1.5. Testing Environment .....                                             | 7          |
| 1.6. Measurement Uncertainty .....                                         | 7          |
| 1.7. Test Equipment List .....                                             | 8          |
| <b>2. Test Methodology .....</b>                                           | <b>9</b>   |
| 2.1. EUT Configuration .....                                               | 9          |
| 2.2. EUT Exercise.....                                                     | 9          |
| 2.3. General Test Procedures.....                                          | 9          |
| 2.4. Instrument Calibration .....                                          | 9          |
| 2.5. Description of Test Modes.....                                        | 10         |
| <b>3. Antenna Requirements .....</b>                                       | <b>12</b>  |
| <b>4. Summary of Test Result .....</b>                                     | <b>13</b>  |
| <b>5. TEST RESULT .....</b>                                                | <b>14</b>  |
| 5.1 Emission Bandwidth (26 dB Bandwidth) & Occupied BW (99 %).....         | 14         |
| 5.2 Minimum Emission Bandwidth (6 dB Bandwidth) & Occupied BW (99 %) ..... | 50         |
| 5.3 Maximum Conducted Output Power.....                                    | 76         |
| 5.4 Maximum Power Spectral Density.....                                    | 82         |
| 5.5 Unwanted Emissions.....                                                | 134        |
| 5.6 AC Power-Line Conducted Emissions .....                                | 142        |
| <b>APPENDIX I .....</b>                                                    | <b>151</b> |
| <b>APPENDIX II .....</b>                                                   | <b>152</b> |
| <b>APPENDIX III .....</b>                                                  | <b>155</b> |



### Comparison results between reference device and variant device

| Equipment Class<br>(capability) | FCC Part/<br>RSS Std. | Mode              | TX Freq.<br>(MHz) | Test item                     | Detector<br>Mode | Reference<br>FCC ID: V2X-PM86 /<br>IC: 10664A-PM86 |                    | Separated<br>FCC ID: V2X-PM86W /<br>IC: 10664A-PM86W |                    | Limit<br>(dBuV/m) | Deviation<br>(dB) |
|---------------------------------|-----------------------|-------------------|-------------------|-------------------------------|------------------|----------------------------------------------------|--------------------|------------------------------------------------------|--------------------|-------------------|-------------------|
|                                 |                       |                   |                   |                               |                  | Frequency<br>(MHz)                                 | Result<br>(dBuV/m) | Frequency<br>(MHz)                                   | Result<br>(dBuV/m) |                   |                   |
| NII<br>(WLAN)                   | 15.407 /<br>RSS-247   | 802.11n<br>(HT40) | 5 190             | Radiated<br>Band edge         | Average          | 5 149.64                                           | 49.86              | 5 149.73                                             | 48.83              | 54.00             | -1.03             |
|                                 |                       | 802.11n<br>(HT40) | 5 510             | Radiated<br>Spurious emission | Average          | 11 018.39                                          | 46.61              | 11 018.34                                            | 46.43              | 54.00             | -0.18             |

Note1: The spot check were performed based on worst-case results reported in the original test report.  
The spot check test results show good correlation between two products.

### 1.1.4. Reference Section

Reference FCC ID: V2X-PM86 / IC: 10664A-PM86

| Equipment Class | FCC Part/<br>RSS Std. | Capability | Band(MHz)                                                        | Exhibit type                                | Report title | Reference Sections |
|-----------------|-----------------------|------------|------------------------------------------------------------------|---------------------------------------------|--------------|--------------------|
| NII             | 15.407 /<br>RSS-247   | WLAN       | 5 180 ~ 5 240<br>5 260 ~ 5 320<br>5 500 ~ 5 720<br>5 745 ~ 5 825 | Original Grant/<br>New Single Certification | NII          | All                |

## 1.2. Description of EUT

|                                                        |                                                                                 |
|--------------------------------------------------------|---------------------------------------------------------------------------------|
| Equipment Class                                        | Unlicensed National Information Infrastructure TX(NII)                          |
| Product Name                                           | MOBILE COMPUTER                                                                 |
| Model Name                                             | PM86W                                                                           |
| Add Model Name                                         | -                                                                               |
| Firmware Version Identification Number                 | 86.00                                                                           |
| EUT Serial Number (Reference product) <sup>Note1</sup> | Conducted: 23070A0067, Radiated: 23070A0126                                     |
| EUT Serial Number (Separated product) <sup>Note2</sup> | Conducted: 23070A0070, Radiated: 23070A0070                                     |
| Power Supply                                           | DC 3.8 V                                                                        |
| Modulation Technique                                   | OFDM                                                                            |
| Antenna Specification                                  | Antenna Type: LDS Antenna<br>Antenna Gain: Refer to the clause 3 in test report |

Note1: Reference FCC ID: V2X-PM86 / IC: 10664A-PM86

Note2: Separated FCC ID: V2X-PM86W / IC: 10664A-PM86W

| Band     | Mode            | Tx. frequency(MHz) | Max. conducted power(dBm) | Antenna gain(dBi) | Max. e.i.r.p (dBm) |
|----------|-----------------|--------------------|---------------------------|-------------------|--------------------|
| U-NII 1  | 802.11a         | 5 180 ~ 5 240      | 14.70                     | 3.28              | 17.98              |
|          | 802.11n(HT20)   | 5 180 ~ 5 240      | 14.11                     | 3.28              | 17.39              |
|          | 802.11ac(VHT20) | 5 180 ~ 5 240      | 14.09                     | 3.28              | 17.37              |
|          | 802.11n(HT40)   | 5 190 ~ 5 230      | 17.45                     | 3.28              | 20.73              |
|          | 802.11ac(VHT40) | 5 190 ~ 5 230      | 17.36                     | 3.28              | 20.64              |
|          | 802.11ac(VHT80) | 5 210              | 16.25                     | 3.28              | 19.53              |
| U-NII 2A | 802.11a         | 5 260 ~ 5 320      | <b>18.49</b>              | 2.24              | 20.73              |
|          | 802.11n(HT20)   | 5 260 ~ 5 320      | 18.13                     | 2.24              | 20.37              |
|          | 802.11ac(VHT20) | 5 260 ~ 5 320      | 18.09                     | 2.24              | 20.33              |
|          | 802.11n(HT40)   | 5 270 ~ 5 310      | 17.43                     | 2.24              | 19.67              |
|          | 802.11ac(VHT40) | 5 270 ~ 5 310      | 17.48                     | 2.24              | 19.72              |
|          | 802.11ac(VHT80) | 5 290              | 16.22                     | 2.24              | 18.46              |
| U-NII 2C | 802.11a         | 5 500 ~ 5 720      | <b>18.46</b>              | 3.54              | 22.00              |
|          | 802.11n(HT20)   | 5 500 ~ 5 720      | 18.22                     | 3.54              | 21.76              |
|          | 802.11ac(VHT20) | 5 500 ~ 5 720      | 18.25                     | 3.54              | 21.79              |
|          | 802.11n(HT40)   | 5 510 ~ 5 710      | 17.56                     | 3.54              | 21.10              |
|          | 802.11ac(VHT40) | 5 510 ~ 5 710      | 17.54                     | 3.54              | 21.08              |
|          | 802.11ac(VHT80) | 5 530 ~ 5 690      | 16.45                     | 3.54              | 19.99              |
| U-NII 3  | 802.11a         | 5 745 ~ 5 825      | <b>18.90</b>              | 2.75              | 21.65              |
|          | 802.11n(HT20)   | 5 745 ~ 5 825      | 18.36                     | 2.75              | 21.11              |
|          | 802.11ac(VHT20) | 5 745 ~ 5 825      | 18.34                     | 2.75              | 21.09              |
|          | 802.11n(HT40)   | 5 755 ~ 5 795      | 17.14                     | 2.75              | 19.89              |
|          | 802.11ac(VHT40) | 5 755 ~ 5 795      | 17.17                     | 2.75              | 19.92              |
|          | 802.11ac(VHT80) | 5 775              | 16.49                     | 2.75              | 19.24              |

### 1.3. Declaration by the applicant / manufacturer

N/A

### 1.4. Testing Laboratory

|                                                                                                                                                                                      |   |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------|
| <b>Dt&amp;C Co., Ltd.</b>                                                                                                                                                            |   |                  |
| The 3 m test site and conducted measurement facility used to collect the radiated data are located at the 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17042. |   |                  |
| The test site complies with the requirements of Part 2.948 according to ANSI C63.4-2014.                                                                                             |   |                  |
| - FCC & IC MRA Designation No. : KR0034                                                                                                                                              |   |                  |
| - ISED#: 5740A                                                                                                                                                                       |   |                  |
| <a href="http://www.dtnet.net">www.dtnet.net</a>                                                                                                                                     |   |                  |
| Telephone                                                                                                                                                                            | : | + 82-31-321-2664 |
| FAX                                                                                                                                                                                  | : | + 82-31-321-1664 |

### 1.5. Testing Environment

| Ambient Condition   |                 |
|---------------------|-----------------|
| ▪ Temperature       | +21 °C ~ +24 °C |
| ▪ Relative Humidity | +40 % ~ +43 %   |

### 1.6. Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with requirements of ANSI C63.4-2014 and ANSI C63.10-2013. All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95 % level of confidence.

| Parameter                          | Measurement uncertainty                               |
|------------------------------------|-------------------------------------------------------|
| Antenna-port conducted emission    | 1.0 dB (The confidence level is about 95 %, $k = 2$ ) |
| AC power-line conducted emission   | 3.4 dB (The confidence level is about 95 %, $k = 2$ ) |
| Radiated emission (1 GHz Below)    | 4.8 dB (The confidence level is about 95 %, $k = 2$ ) |
| Radiated emission (1 GHz ~ 18 GHz) | 5.0 dB (The confidence level is about 95 %, $k = 2$ ) |
| Radiated emission (18 GHz Above)   | 5.2 dB (The confidence level is about 95 %, $k = 2$ ) |

## 1.7. Test Equipment List

| Type                                | Manufacturer           | Model                         | Cal.Date<br>(yy/mm/dd) | Next.Cal.Date<br>(yy/mm/dd) | S/N                |
|-------------------------------------|------------------------|-------------------------------|------------------------|-----------------------------|--------------------|
| Spectrum Analyzer                   | Agilent Technologies   | N9020A                        | 22/06/24               | 23/06/24                    | MY46471622         |
| Spectrum Analyzer                   | KEYSIGHT               | N9020A                        | 22/12/16               | 23/12/16                    |                    |
| Spectrum Analyzer                   | Agilent Technologies   | N9020A                        | 22/12/16               | 23/12/16                    | MY48011700         |
| Spectrum Analyzer                   | Agilent Technologies   | N9020A                        | 22/06/24               | 23/06/24                    | US47360812         |
| Spectrum Analyzer                   | KEYSIGHT               | N9030B                        | 22/12/16               | 23/12/16                    |                    |
| DC Power Supply                     | Agilent Technologies   | 66332A                        | 22/06/24               | 23/06/24                    | US37474125         |
| Multimeter                          | FLUKE                  | 17B+                          | 22/12/16               | 23/12/16                    |                    |
| Signal Generator                    | Rohde Schwarz          | SMBV100A                      | 22/12/16               | 23/12/16                    | 255571             |
| Signal Generator                    | ANRITSU                | MG3695C                       | 22/12/16               | 23/12/16                    | 173501             |
| Thermohygrometer                    | BODYCOM                | BJ5478                        | 22/12/16               | 23/12/16                    | 120612-1           |
| Thermohygrometer                    | BODYCOM                | BJ5478                        | 22/12/16               | 23/12/16                    | 120612-2           |
| Thermohygrometer                    | BODYCOM                | BJ5478                        | 22/06/24               | 23/06/24                    | N/A                |
| Loop Antenna                        | ETS-Lindgren           | 6502                          | 22/04/22               | 24/04/22                    |                    |
| Hybrid Antenna                      | Schwarzbeck            | VULB 9160                     | 22/12/16               | 23/12/16                    | 3362               |
| Horn Antenna                        | ETS-Lindgren           | 3117                          | 22/06/24               | 23/06/24                    | 00143278           |
| Horn Antenna                        | A.H.Systems Inc.       | SAS-574                       | 22/06/24               | 23/06/24                    |                    |
| PreAmplifier                        | tsj                    | MLA-0118-B01-40               | 22/12/16               | 23/12/16                    | 1852267            |
| PreAmplifier                        | tsj                    | MLA-1840-J02-45               | 22/06/24               | 23/06/24                    | 16966-10728        |
| PreAmplifier                        | H.P                    | 8447D                         | 22/12/16               | 23/12/16                    |                    |
| High Pass Filter                    | Wainwright Instruments | WHKX12-935-1000-15000-40SS    | 22/06/24               | 23/06/24                    | 8                  |
| High Pass Filter                    | Wainwright Instruments | WHKX10-2838-3300-18000-60SS   | 22/06/24               | 23/06/24                    |                    |
| High Pass Filter                    | Wainwright Instruments | WHNX8.0/26.5-6SS              | 22/06/24               | 23/06/24                    | 3                  |
| Attenuator                          | Hefei Shunze           | SS5T2.92-10-40                | 22/06/24               | 23/06/24                    |                    |
| Attenuator                          | Aeroflex/Weinschel     | 56-3                          | 22/06/24               | 23/06/24                    | Y2370              |
| Attenuator                          | SMAJK                  | SMAJK-2-3                     | 22/06/24               | 23/06/24                    |                    |
| Attenuator                          | SMAJK                  | SMAJK-2-3                     | 22/06/24               | 23/06/24                    | 2                  |
| Attenuator                          | Aeroflex/Weinschel     | 86-10-11                      | 22/06/24               | 23/06/24                    |                    |
| Power Meter & Wide Bandwidth Sensor | Anritsu                | ML2496A<br>MA2411B            | 22/12/16               | 23/12/16                    | 1338004<br>1911481 |
| EMI Test Receiver                   | ROHDE&SCHWARZ          | ESC17                         | 23/01/31               | 24/01/31                    | 100910             |
| PULSE LIMITER                       | Rohde Schwarz          | ESH3-Z2                       | 22/08/22               | 23/08/22                    | 101333             |
| LISN                                | SCHWARZBECK            | NSLK 8128 RC                  | 22/10/26               | 23/10/26                    | 8128 RC-387        |
| Thermo Hygro Meter                  | TESTO                  | 608-H1                        | 23/01/13               | 24/01/13                    | 45084791           |
| Cable                               | Dt&C                   | Cable                         | 23/01/04               | 24/01/04                    | G-2                |
| Cable                               | HUBER+SUHNER           | SUCOFLEX 100                  | 23/01/04               | 24/01/04                    | G-3                |
| Cable                               | Dt&C                   | Cable                         | 23/01/04               | 24/01/04                    | G-4                |
| Cable                               | OMT                    | YSS21S                        | 23/01/04               | 24/01/04                    | G-5                |
| Cable                               | Junkosha               | MWX241                        | 23/01/03               | 24/01/03                    | mmW-1              |
| Cable                               | Junkosha               | MWX241                        | 23/01/03               | 24/01/03                    | mmW-4              |
| Cable                               | HUBER+SUHNER           | SUCOFLEX100                   | 23/01/04               | 24/01/04                    | M-01               |
| Cable                               | HUBER+SUHNER           | SUCOFLEX100                   | 23/01/04               | 24/01/04                    | M-02               |
| Cable                               | JUNKOSHA               | MWX241/B                      | 23/01/04               | 24/01/04                    | M-03               |
| Cable                               | JUNKOSHA               | J12J101757-00                 | 23/01/04               | 24/01/04                    | M-07               |
| Cable                               | HUBER+SUHNER           | SUCOFLEX106                   | 23/01/04               | 24/01/04                    | M-09               |
| Cable                               | Radiall                | TESTPRO3                      | 23/01/04               | 24/01/04                    | RFC-70             |
| Test Software                       | tsj                    | Radiated Emission Measurement | NA                     | NA                          | Version 2.00.0147  |
| Test Software                       | tsj                    | Noise Terminal Measurement    | NA                     | NA                          | Version 2.00.0185  |

Note1: The measurement antennas were calibrated in accordance to the requirements of ANSI C63.5-2017.

Note2: The cable is not a regular calibration item, so it has been calibrated by Dt&C itself.

## 2. Test Methodology

The measurement procedures described in the ANSI C63.10-2013 and the guidance provided in KDB789033 D02v02r01 were used in measurement of the EUT.

The EUT was tested per the guidance of KDB789033 D02v02r01. And ANSI C63.10-2013 was used to reference appropriate EUT setup and maximizing procedures of radiated spurious emission and AC line conducted emission testing.

### 2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

### 2.2. EUT Exercise

The EUT was operated in the test mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

### 2.3. General Test Procedures

#### Conducted Emissions

The power-line conducted emission test procedure is not described on the KDB789033 D02v02r01.

So this test was fulfilled with the requirements in Section 6.2 of ANSI C63.10-2013.

The EUT is placed on the wooden table, which is 0.8 m above ground plane and the conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and Average detector.

#### Radiated Emissions

Basically the radiated tests were performed with KDB789033 D02v02r01. But some requirements and procedures like test site requirements, EUT setup and maximizing procedure were fulfilled with the requirements in Section 5 and 6 of the ANSI C63.10-2013 as stated on KDB789033 D02v02r01.

The EUT is placed on a non-conductive table, which is 0.8 m above ground plane. For emission measurements above 1 GHz, the table height is 1.5 m. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 1 m or 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the highest emission, the relative positions of the EUT were rotated through three orthogonal axis.

### 2.4. Instrument Calibration

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

## 2.5. Description of Test Modes

The EUT has been tested with the operating condition for maximizing the emission characteristics. A test program is used to control the EUT for staying in continuous transmitting.

### Transmitting Configuration of EUT

| Mode            | SISO           |                | MIMO (CDD)     | MIMO (SDM)     |
|-----------------|----------------|----------------|----------------|----------------|
|                 | Ant 1          | Ant 2          | Ant 1 & 2      | Ant 1 & 2      |
|                 | Data rate      |                |                |                |
| 802.11a         | 6 ~ 54 Mbps    | 6 ~ 54 Mbps    | 6 ~ 54 Mbps    | -              |
| 802.11n(HT20)   | MCS 0 ~ 7      | MCS 0 ~ 7      | MCS 0 ~ 7      | MCS 8 ~ 15     |
| 802.11ac(VHT20) | MCS 0 ~ 8(1SS) | MCS 0 ~ 8(1SS) | MCS 0 ~ 8(1SS) | MCS 0 ~ 8(2SS) |
| 802.11n(HT40)   | MCS 0 ~ 7      | MCS 0 ~ 7      | MCS 0 ~ 7      | MCS 8 ~ 15     |
| 802.11ac(VHT40) | MCS 0 ~ 9(1SS) | MCS 0 ~ 9(1SS) | MCS 0 ~ 9(1SS) | MCS 0 ~ 9(2SS) |
| 802.11ac(VHT80) | MCS 0 ~ 9(1SS) | MCS 0 ~ 9(1SS) | MCS 0 ~ 9(1SS) | MCS 0 ~ 9(2SS) |

Note1: SDM = Spatial Diversity Multiplexing, CDD = Cycle Delay Diversity, SS = Spatial Streams

### EUT Operation test setup

- **Test Software:** PM86\_Script\_Tool
- **Power setting:** Refer to the table below.

### Tested frequency and power setting

| Band     | Channel | Frequency (MHz) | 802.11a       |
|----------|---------|-----------------|---------------|
|          |         |                 | Power Setting |
| U-NII 1  | 36      | 5 180           | 11            |
|          | 40      | 5 200           | 11            |
|          | 48      | 5 240           | 11            |
| U-NII 2A | 52      | 5 260           | 15            |
|          | 60      | 5 300           | 15            |
|          | 64      | 5 320           | 15            |
| U-NII 2C | 100     | 5 500           | 15            |
|          | 116     | 5 580           | 15            |
|          | 144     | 5 720           | 15            |
| U-NII 3  | 149     | 5 745           | 15            |
|          | 157     | 5 785           | 15            |
|          | 165     | 5 825           | 15            |

| Band     | Channel | Frequency (MHz) | 802.11n(HT20), 802.11ac(VHT20) |
|----------|---------|-----------------|--------------------------------|
|          |         |                 | Power Setting                  |
| U-NII 1  | 36      | 5 180           | 11                             |
|          | 40      | 5 200           | 11                             |
|          | 48      | 5 240           | 11                             |
| U-NII 2A | 52      | 5 260           | 15                             |
|          | 60      | 5 300           | 15                             |
|          | 64      | 5 320           | 15                             |
| U-NII 2C | 100     | 5 500           | 15                             |
|          | 116     | 5 580           | 15                             |
|          | 144     | 5 720           | 15                             |
| U-NII 3  | 149     | 5 745           | 15                             |
|          | 157     | 5 785           | 15                             |
|          | 165     | 5 825           | 15                             |

| Band     | Channel | Frequency (MHz) | 802.11n(HT40), 802.11ac(VHT40) |
|----------|---------|-----------------|--------------------------------|
|          |         |                 | Power Setting                  |
| U-NII 1  | 38      | 5 190           | 15                             |
|          | 46      | 5 230           | 15                             |
| U-NII 2A | 54      | 5 270           | 15                             |
|          | 62      | 5 310           | 15                             |
| U-NII 2C | 102     | 5 510           | 15                             |
|          | 110     | 5 550           | 15                             |
|          | 142     | 5 710           | 15                             |
| U-NII 3  | 151     | 5 755           | 14                             |
|          | 159     | 5 795           | 14                             |

| Band     | Channel | Frequency (MHz) | 802.11ac(VHT80) |
|----------|---------|-----------------|-----------------|
|          |         |                 | Power Setting   |
| U-NII 1  | 42      | 5 210           | 14              |
| U-NII 2A | 58      | 5 290           | 14              |
| U-NII 2C | 106     | 5 530           | 14              |
|          | 138     | 5 690           | 14              |
| U-NII 3  | 155     | 5 775           | 14              |

## Tested Mode

| Test Mode |                 | ANT configuration         | Worst data rate |
|-----------|-----------------|---------------------------|-----------------|
| TM 1      | 802.11a         | CDD Multiple transmitting | 6Mbps           |
| TM 2      | 802.11n(HT20)   | CDD Multiple transmitting | MCS0            |
| TM 3      | 802.11n(HT40)   | CDD Multiple transmitting | MCS0            |
| TM 4      | 802.11ac(VHT80) | CDD Multiple transmitting | MCS0            |

Note 1: The worst case data rate is determined as above test mode according to the power measurements.

## 3. Antenna Requirements

### ■ According to Part 15.203

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

**The antenna is attached on the device by means of unique coupling method.**

**Therefore this E.U.T complies with the requirement of Part 15.203**

### Directional antenna gain:

| Bands    | SISO        |             | MIMO (CDD) <sup>Note 1.</sup> | MIMO (SDM) <sup>Note 2</sup> |
|----------|-------------|-------------|-------------------------------|------------------------------|
|          | ANT 1 [dBi] | ANT 2 [dBi] | Directional Gain[dBi]         | Directional Gain[dBi]        |
| U-NII 1  | -0.24       | 0.75        | <b>3.28</b>                   | 0.28                         |
| U-NII 2A | -1.43       | -0.15       | <b>2.24</b>                   | -0.74                        |
| U-NII 2C | -0.07       | 1.09        | <b>3.54</b>                   | 0.55                         |
| U-NII 3  | -0.70       | 0.15        | <b>2.75</b>                   | -0.25                        |

Note 1. Directional gain(correlated signal with unequal antenna gain and equal transmit power)

$$10 \log \left[ \left( 10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20} \right)^2 / N^{ANT} \right] \text{ dBi}$$

Note 2. Directional gain(completely uncorrelated signal with unequal antenna gain and equal transmit power)

$$10 \log \left[ \left( 10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10} \right) / N^{ANT} \right] \text{ dBi}$$

## 4. Summary of Test Result

| FCC Part Section(s)                                                                                                                                                                                                                                                                                                                                                           | RSS Section(s)                                | Test Description                            | Limit                                            | Test Condition    | Status<br>Note 1 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------|--------------------------------------------------|-------------------|------------------|
| 15.407(a)                                                                                                                                                                                                                                                                                                                                                                     | RSS-247[6.2]                                  | Emission Bandwidth (26 dB Bandwidth)        | N/A                                              | Conducted         | C                |
| 15.407(e)                                                                                                                                                                                                                                                                                                                                                                     | RSS-247[6.2]                                  | Minimum Emission Bandwidth (6 dB Bandwidth) | > 500 kHz in 5 725 ~ 5 850 MHz                   |                   | C                |
| 15.407(a)                                                                                                                                                                                                                                                                                                                                                                     | RSS-247[6.2]                                  | Maximum Conducted Output Power              | Part 15.407(a)<br>(Refer to section 5.3)         |                   | C                |
| 15.407(a)                                                                                                                                                                                                                                                                                                                                                                     | RSS-247[6.2]                                  | Peak Power Spectral Density                 | Part 15.407(a)<br>(Refer to section 5.4)         |                   | C                |
| -                                                                                                                                                                                                                                                                                                                                                                             | RSS-Gen[6.7]                                  | Occupied Bandwidth (99 %)                   | N/A                                              |                   | C                |
| 15.407(h)                                                                                                                                                                                                                                                                                                                                                                     | RSS-247[6.3]                                  | Dynamic Frequency Selection                 | Part 15.407(h)<br>(Refer to the DFS test report) |                   | C Note 4         |
| 15.205<br>15.209<br>15.407(b)                                                                                                                                                                                                                                                                                                                                                 | RSS-Gen[8.9]<br>RSS-Gen[8.10]<br>RSS-247[6.2] | Unwanted Emissions                          | Part 15.209, 15.407(b)<br>(Refer to section 5.5) | Radiated          | C Note 3         |
| 15.207                                                                                                                                                                                                                                                                                                                                                                        | RSS-Gen[8.8]                                  | AC Conducted Emissions                      | Part 15.207<br>(Refer to section 5.6)            | AC Line Conducted | C                |
| 15.203                                                                                                                                                                                                                                                                                                                                                                        | -                                             | Antenna Requirements                        | Part 15.203<br>(Refer to section 3)              | -                 | C                |
| <p>Note 1: C = Comply NC = Not Comply NT = Not Tested NA = Not Applicable</p> <p>Note 2: For radiated emission tests below 30 MHz were performed on semi-anechoic chamber which is correlated with OATS.</p> <p>Note 3: This test item was performed in three orthogonal EUT positions and the worst case data was reported.</p> <p>Note 4: Refer to the DFS test report.</p> |                                               |                                             |                                                  |                   |                  |

## 5. TEST RESULT

### 5.1 Emission Bandwidth (26 dB Bandwidth) & Occupied BW (99 %)

#### ■ Test Requirements

##### - Emission Bandwidth (26 dB Bandwidth)

The bandwidth at 26 dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

The 26 dB bandwidth is used to determine the conducted output power limit.

##### - Occupied BW (99 %)

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99 % emission bandwidth, as calculated or measured

#### ■ Test Configuration

Refer to the APPENDIX I.

#### ■ Test Procedure

##### - Emission Bandwidth (26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB789033 D02v02r01**.

1. Set resolution bandwidth (RBW) = approximately **1 %** of the EBW.
2. Set the video bandwidth (**VBW**) > **RBW**.
3. Detector = **Peak**.
4. Trace mode = **max hold**.

Measure the maximum width of the emission that is 26 dB down from the peak 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 %.

##### - Occupied BW (99 %): RSS-Gen[6.7]

1. The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
2. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
3. The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

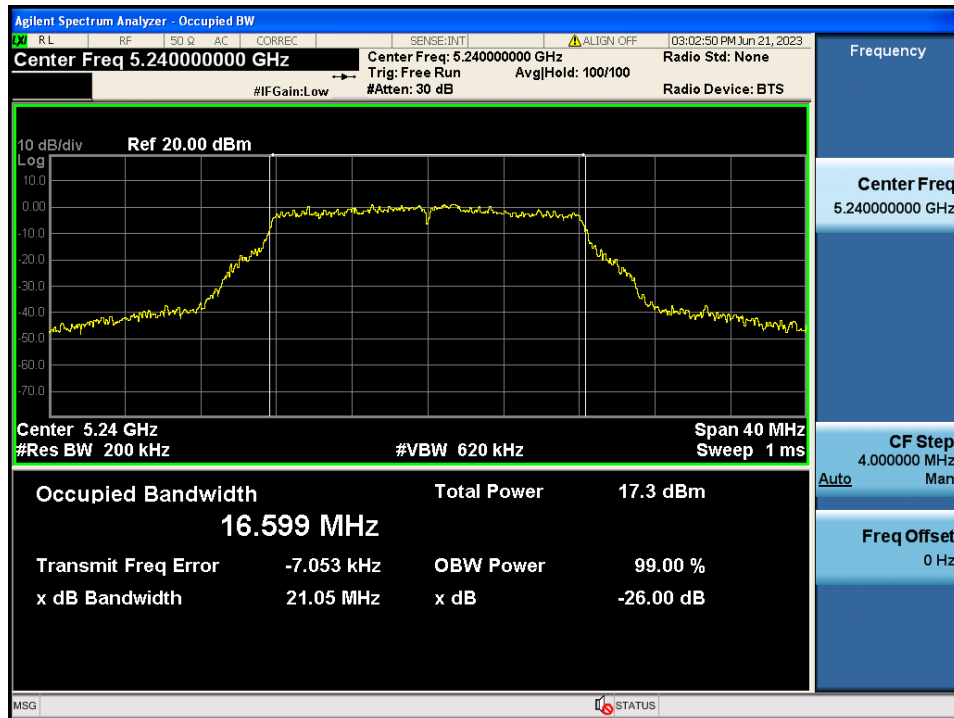
■ Test Results: **Comply**

| Test Mode | Band     | Channel | Frequency(MHz) | 26 dB BW(MHz) |       | 99 % BW(MHz) |       |
|-----------|----------|---------|----------------|---------------|-------|--------------|-------|
|           |          |         |                | ANT 1         | ANT 2 | ANT 1        | ANT 2 |
| TM 1      | U-NII 1  | 36      | 5 180          | 20.67         | 20.89 | 16.65        | 16.57 |
|           |          | 40      | 5 200          | 21.01         | 20.88 | 16.63        | 16.55 |
|           |          | 48      | 5 240          | 21.05         | 20.98 | 16.60        | 16.60 |
|           | U-NII 2A | 52      | 5 260          | 21.42         | 21.20 | 16.63        | 16.62 |
|           |          | 60      | 5 300          | 20.79         | 21.00 | 16.69        | 16.58 |
|           |          | 64      | 5 320          | 21.49         | 21.21 | 16.70        | 16.61 |
|           | U-NII 2C | 100     | 5 500          | 21.09         | 20.93 | 16.65        | 16.60 |
|           |          | 116     | 5 580          | 20.91         | 20.78 | 16.63        | 16.55 |
|           |          | 144     | 5 720          | 21.15         | 21.02 | 16.67        | 16.55 |
|           | TM 2     | U-NII 1 | 36             | 5 180         | 21.10 | 21.13        | 17.74 |
| 40        |          |         | 5 200          | 21.47         | 21.05 | 17.80        | 17.76 |
| 48        |          |         | 5 240          | 21.25         | 21.07 | 17.78        | 17.71 |
| U-NII 2A  |          | 52      | 5 260          | 21.42         | 21.22 | 17.76        | 17.77 |
|           |          | 60      | 5 300          | 21.52         | 21.28 | 17.76        | 17.82 |
|           |          | 64      | 5 320          | 21.27         | 21.25 | 17.79        | 17.76 |
| U-NII 2C  |          | 100     | 5 500          | 21.30         | 21.17 | 17.83        | 17.74 |
|           |          | 116     | 5 580          | 21.35         | 21.25 | 17.79        | 17.73 |
|           |          | 144     | 5 720          | 21.73         | 21.22 | 17.77        | 17.72 |
| TM 3      |          | U-NII 1 | 38             | 5 190         | 39.60 | 39.30        | 36.23 |
|           | 46       |         | 5 230          | 39.46         | 39.50 | 36.24        | 36.20 |
|           | U-NII 2A | 54      | 5 270          | 39.77         | 39.20 | 36.24        | 36.22 |
|           |          | 62      | 5 310          | 39.40         | 39.09 | 36.23        | 36.25 |
|           | U-NII 2C | 102     | 5 510          | 39.84         | 38.91 | 36.20        | 36.25 |
|           |          | 110     | 5 550          | 39.77         | 39.23 | 36.17        | 36.20 |
|           |          | 142     | 5 710          | 39.29         | 39.09 | 36.22        | 36.21 |
| TM 4      | U-NII 1  | 42      | 5 210          | 81.25         | 80.14 | 75.54        | 75.48 |
|           | U-NII 2A | 58      | 5 290          | 81.59         | 80.22 | 75.59        | 75.50 |
|           | U-NII 2C | 106     | 5 530          | 80.93         | 80.69 | 75.44        | 75.55 |
|           |          | 138     | 5 690          | 81.36         | 80.19 | 75.53        | 75.46 |



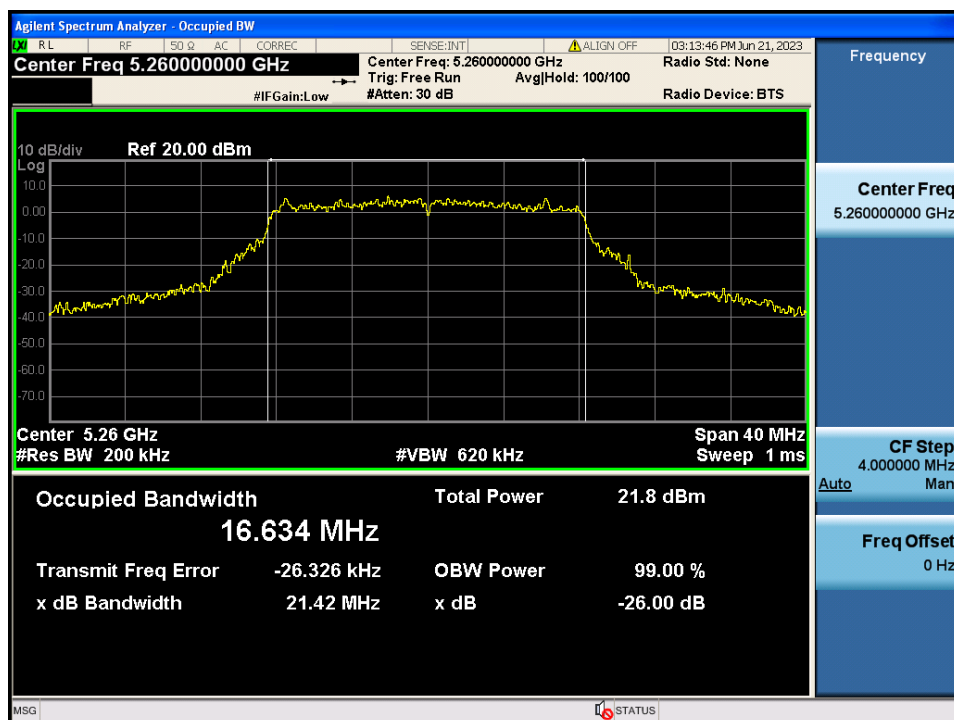
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.48



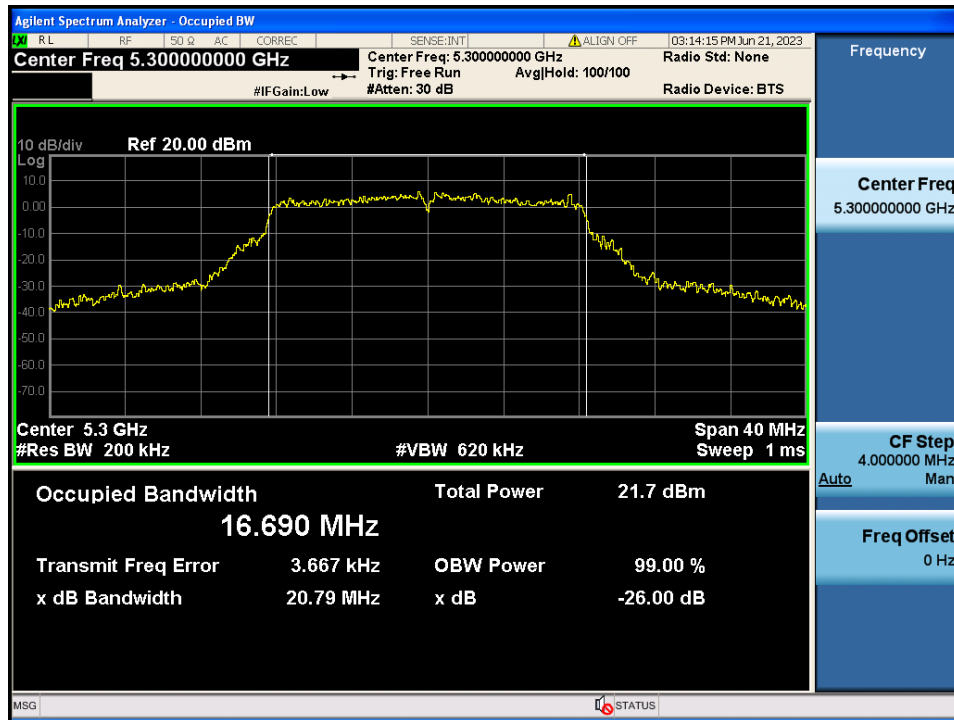
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.52



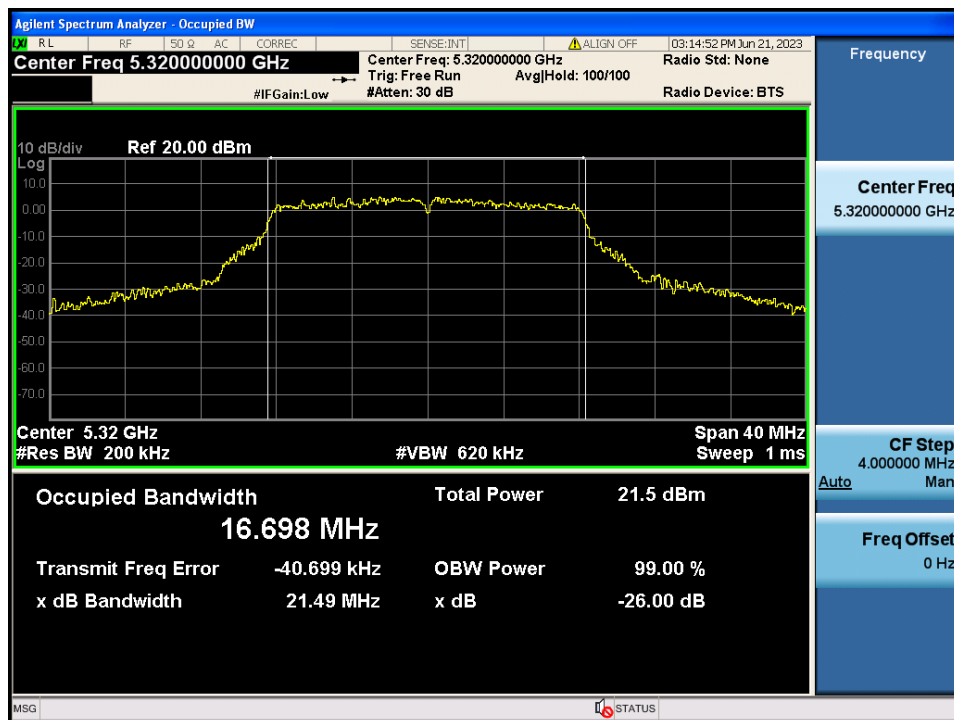
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.60



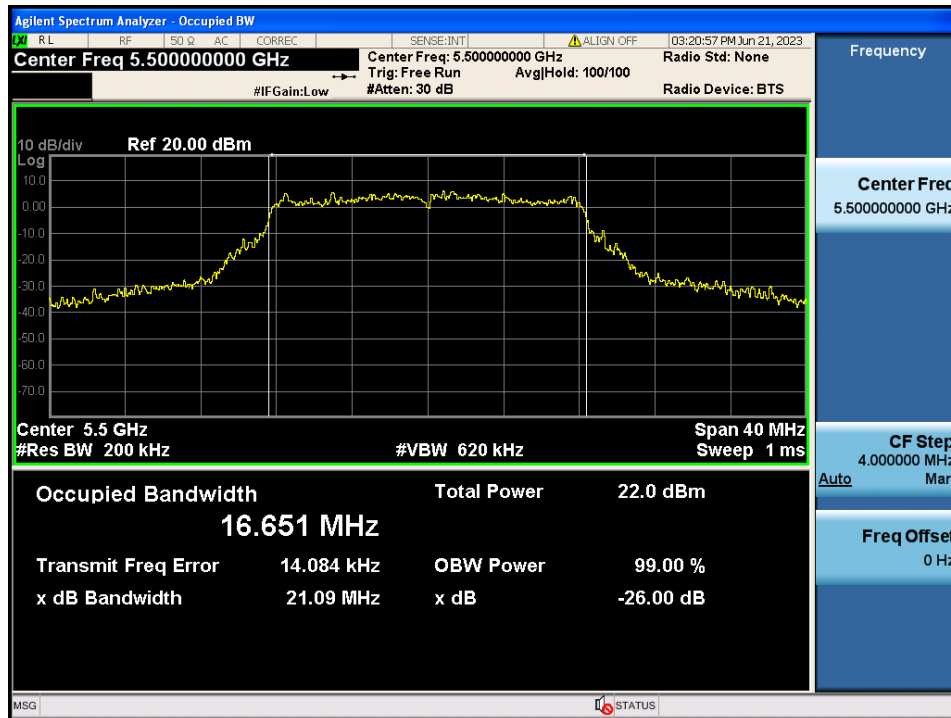
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.64



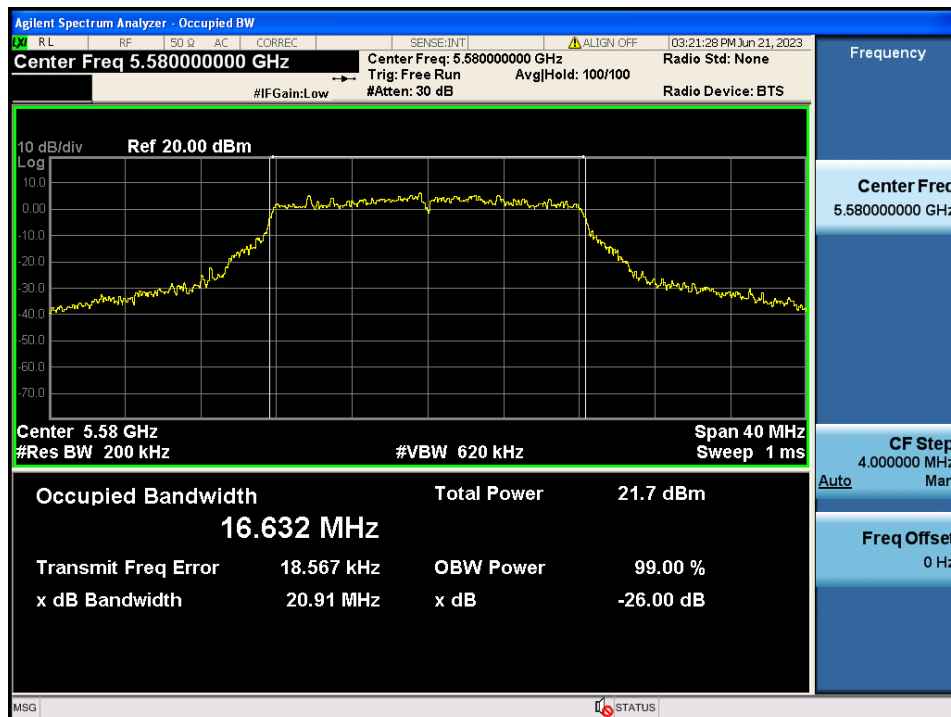
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.100



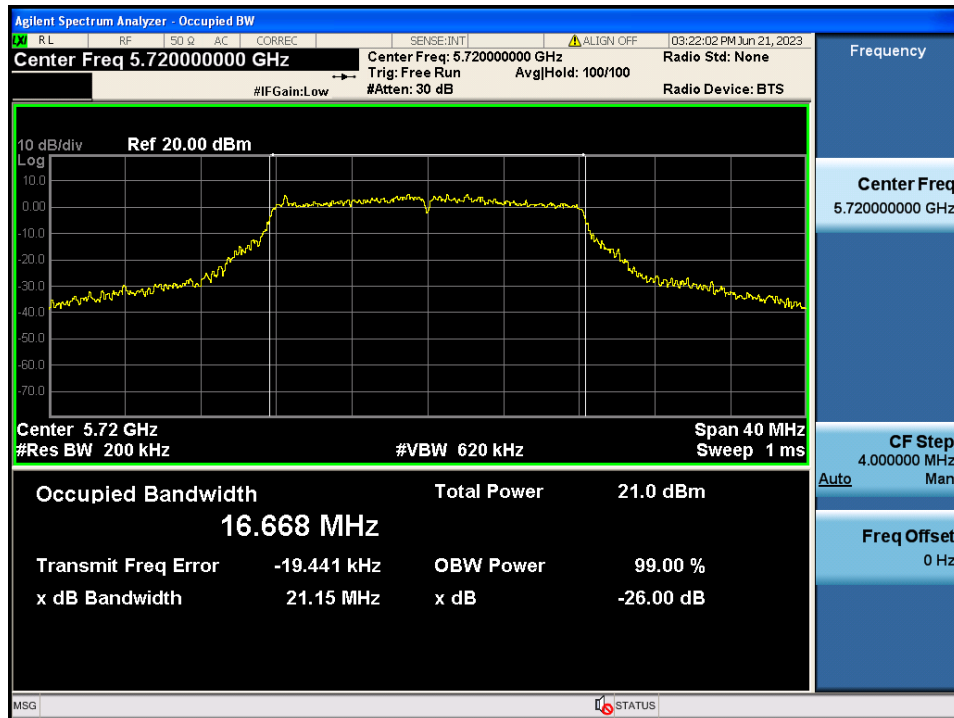
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.116



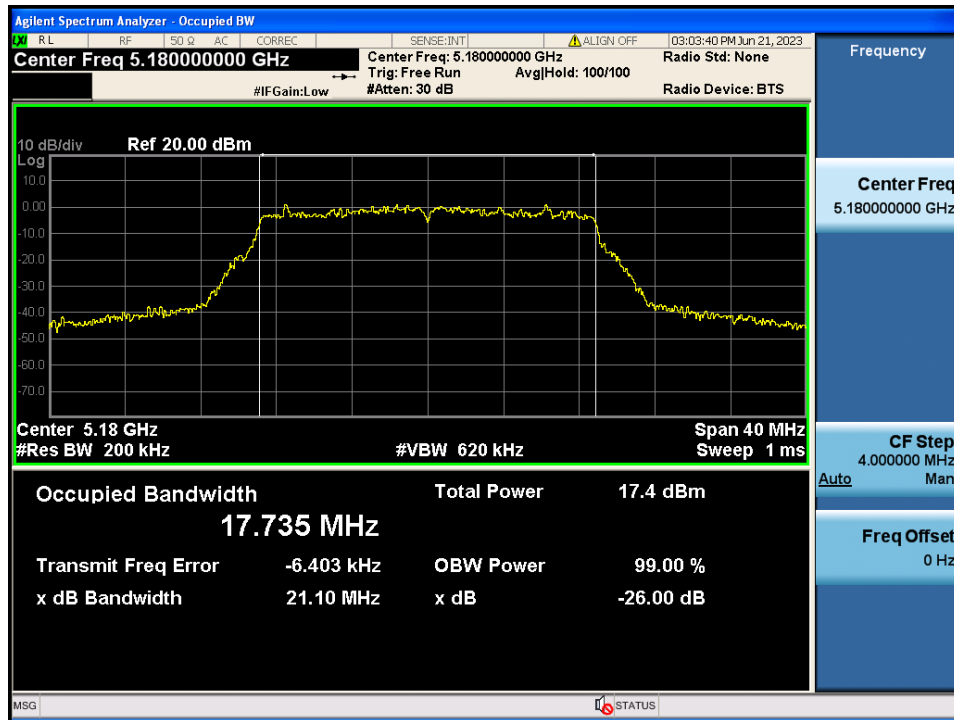
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 & ANT 1 & Ch.144



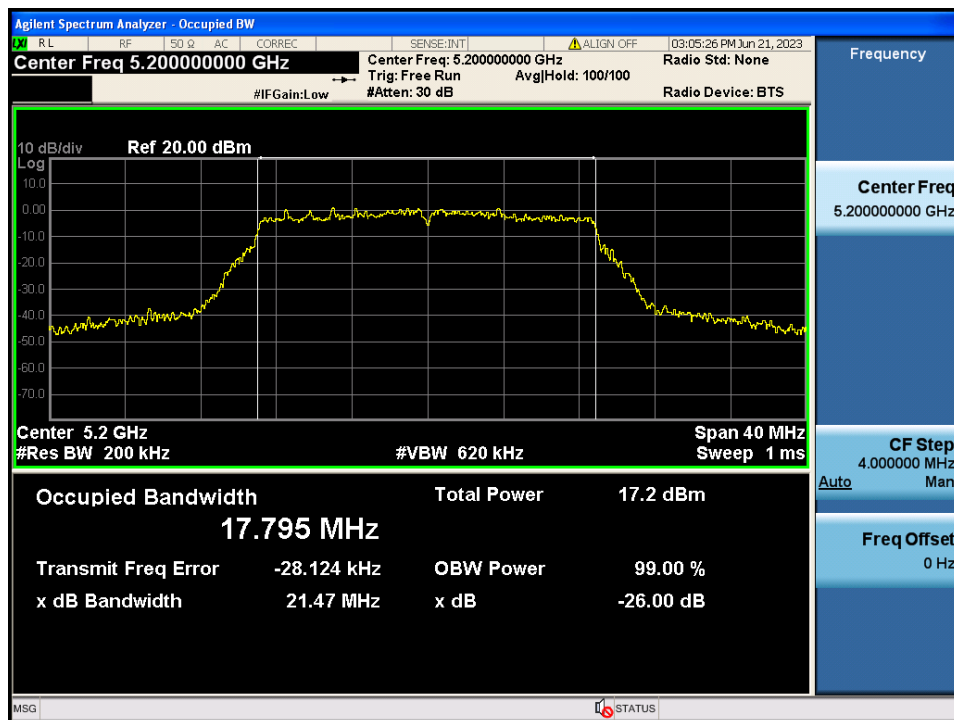
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 1 & Ch.36



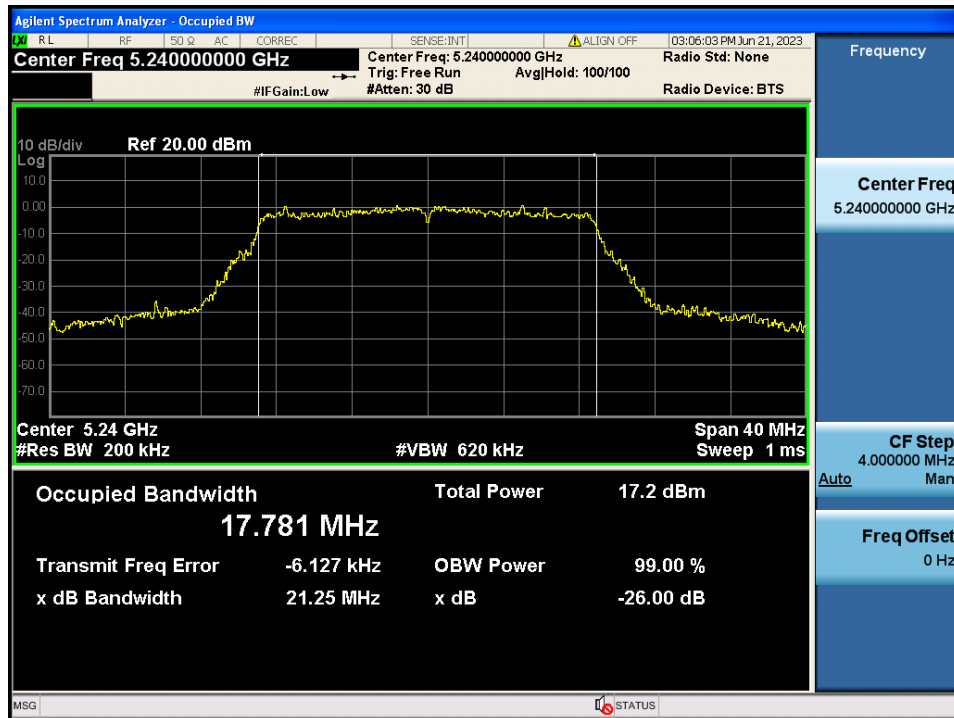
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 1 & Ch.40



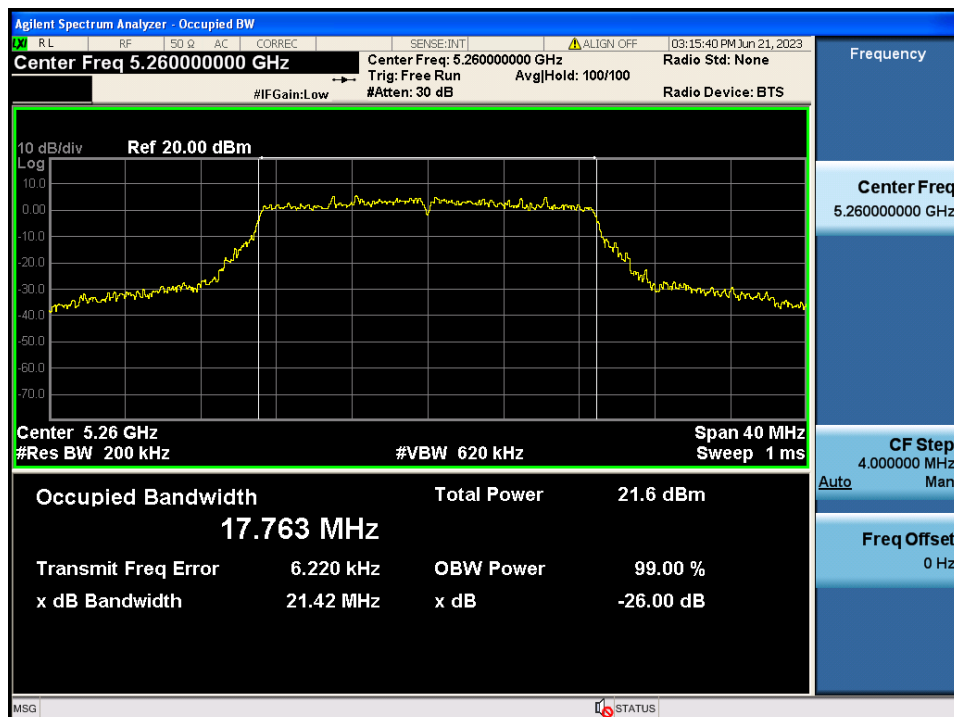
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.48



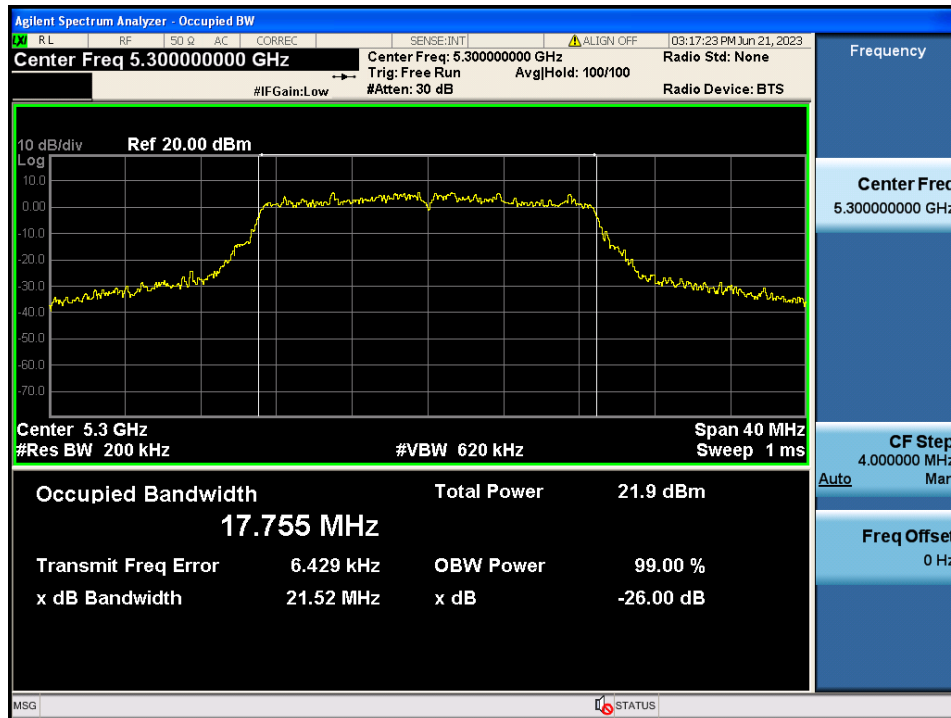
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.52



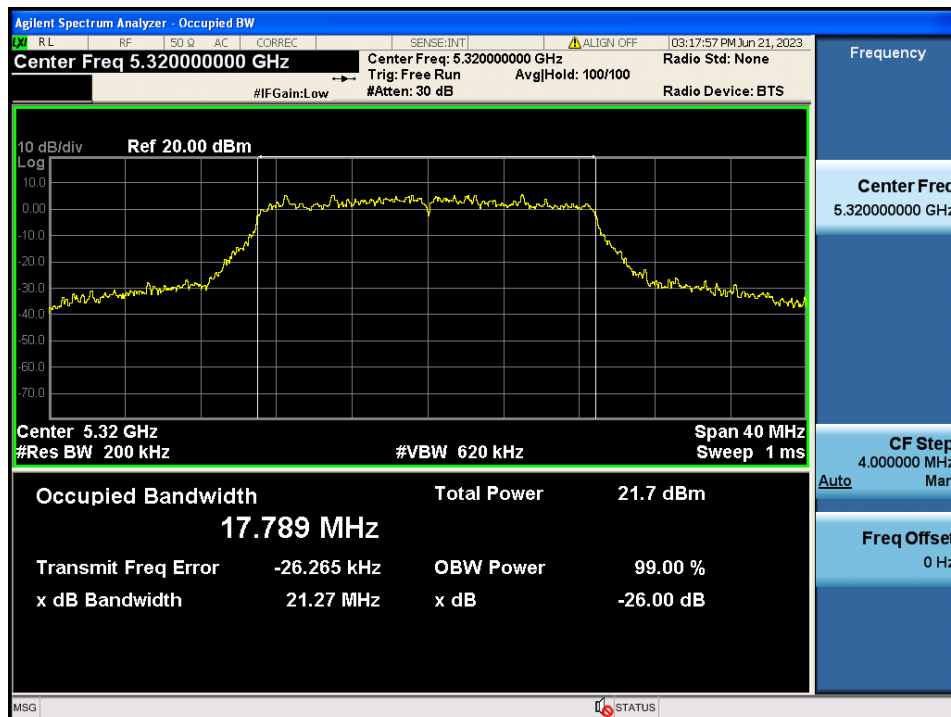
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.60



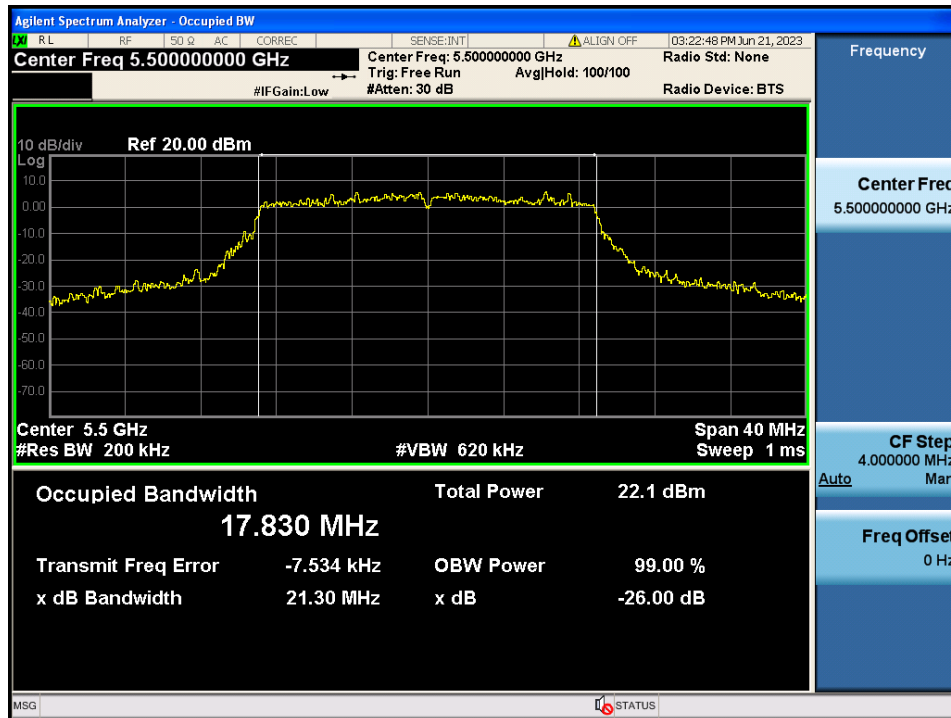
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.64



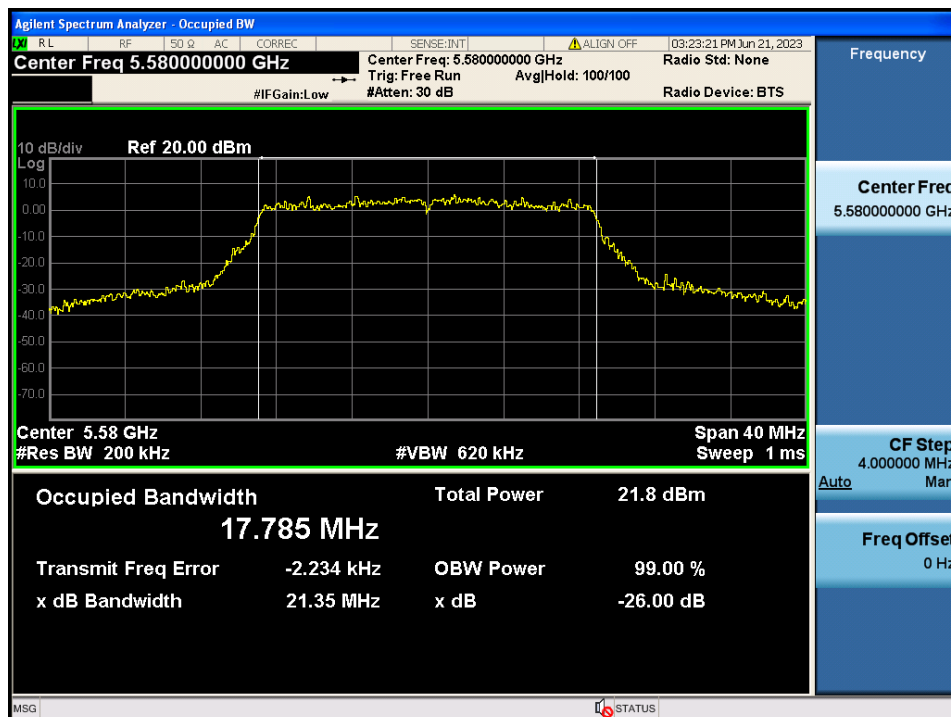
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 1 & Ch.100



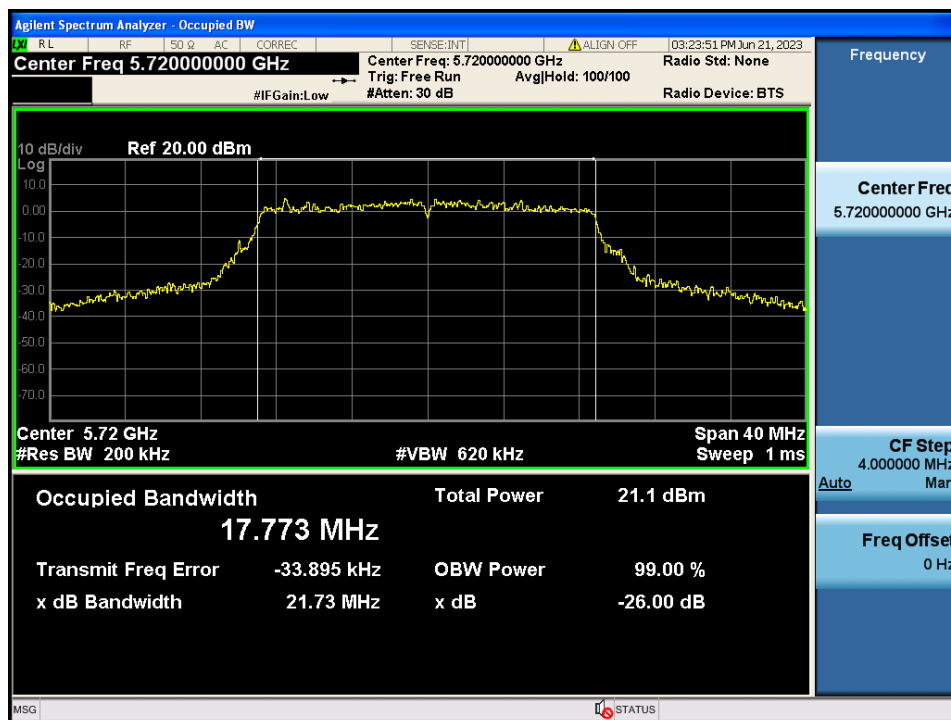
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 1 & Ch.116



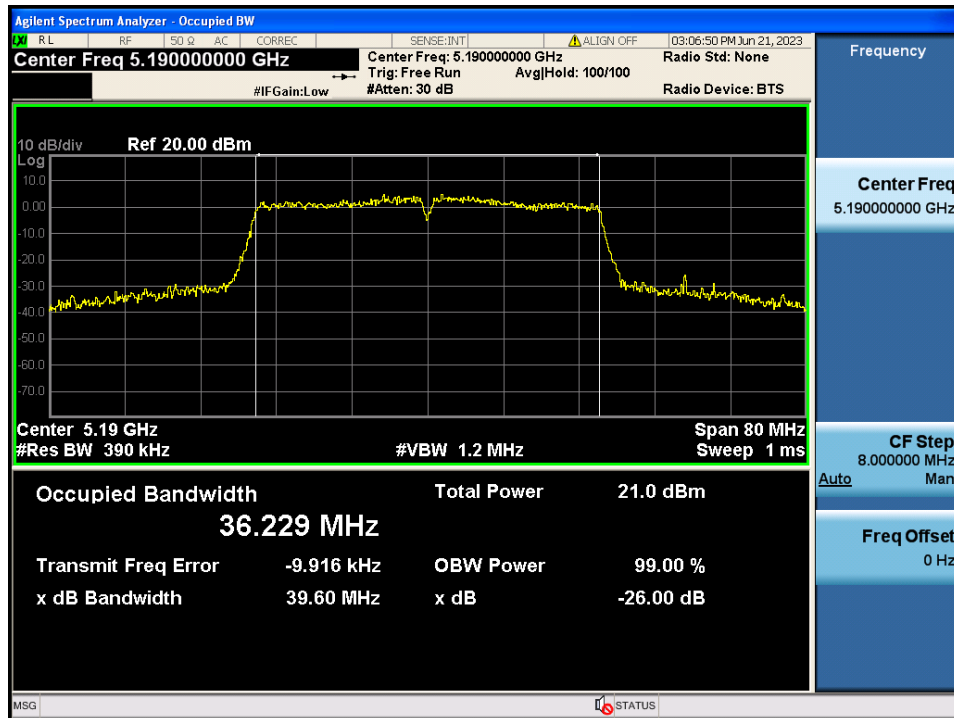
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.144



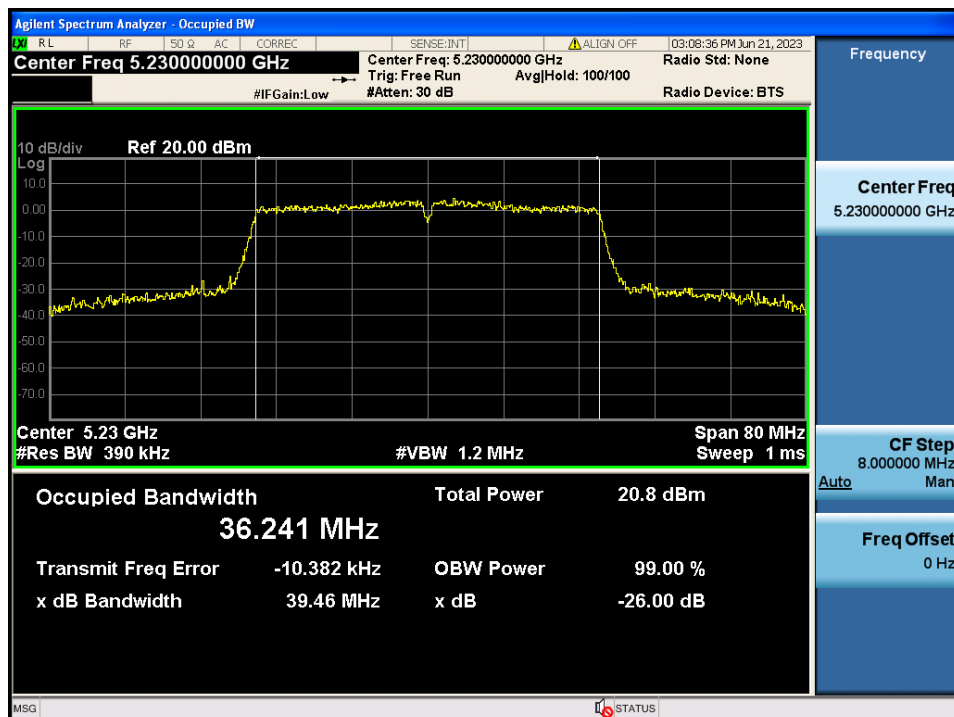
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.38



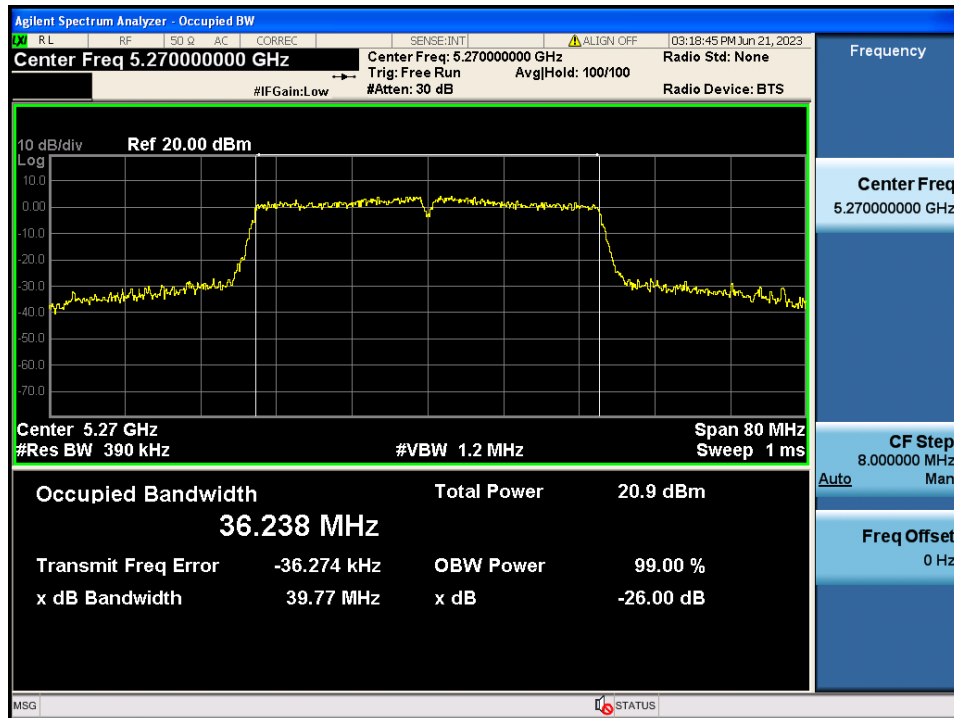
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.46



## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.54



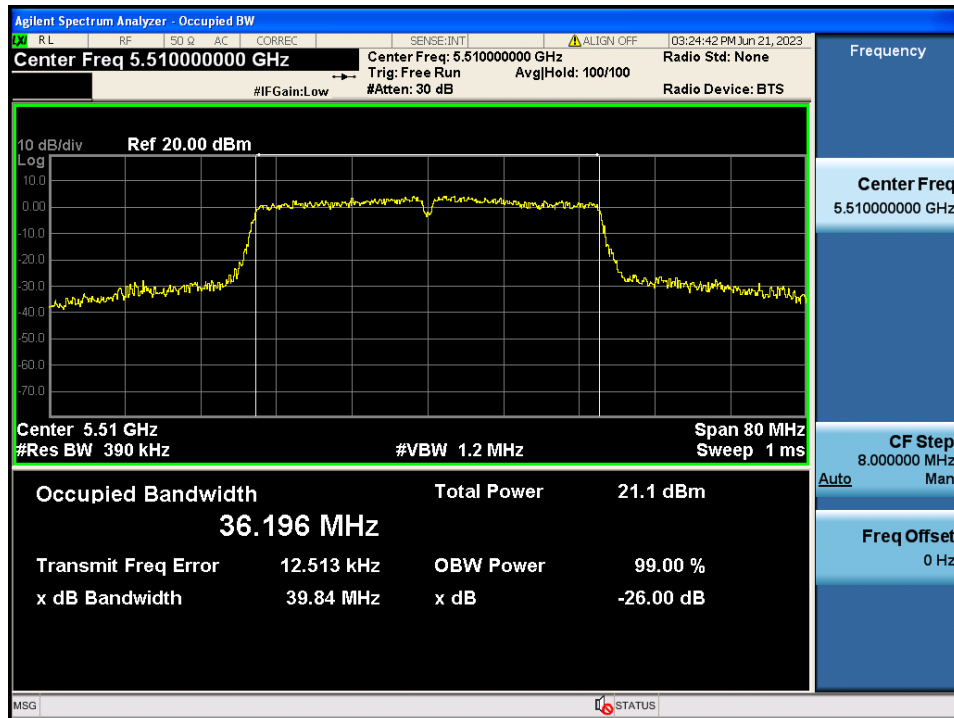
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.62



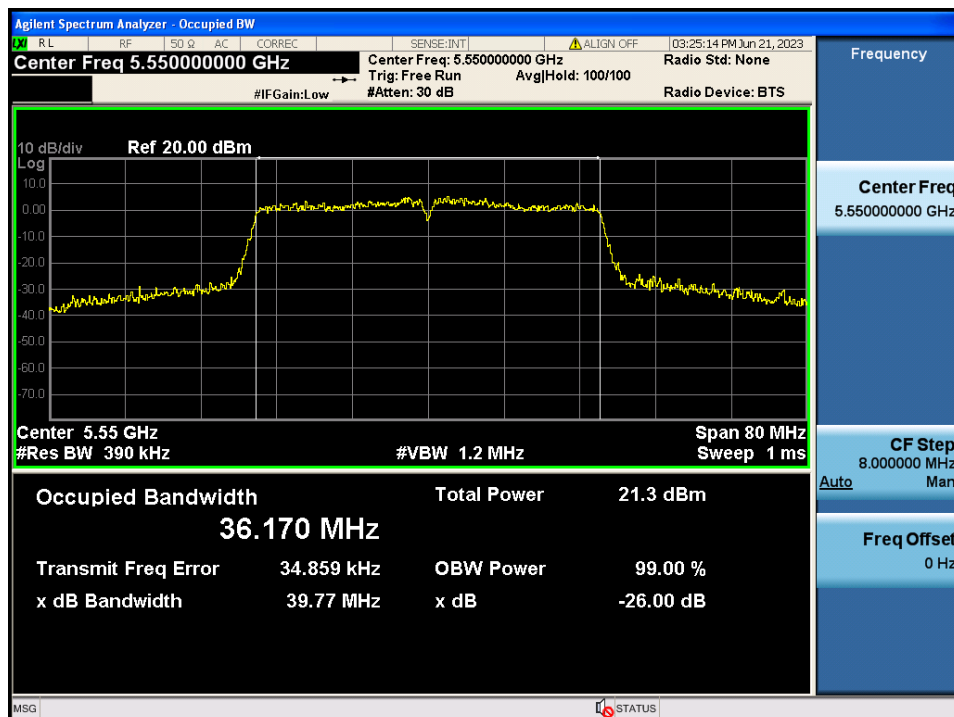
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.102



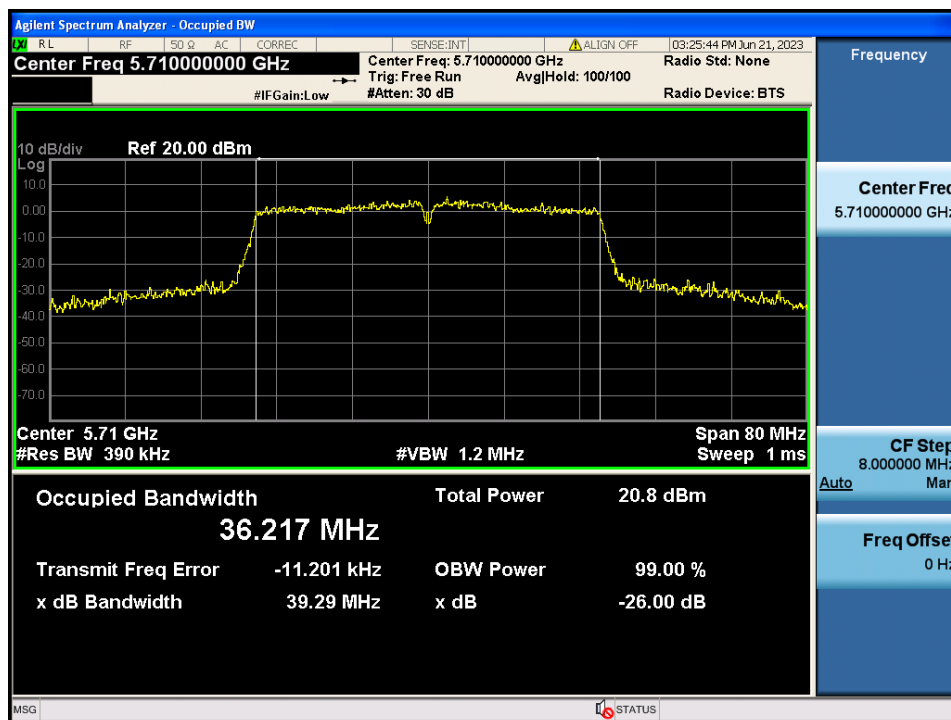
## 26 dB Bandwidth &amp; Occupied BW

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.110



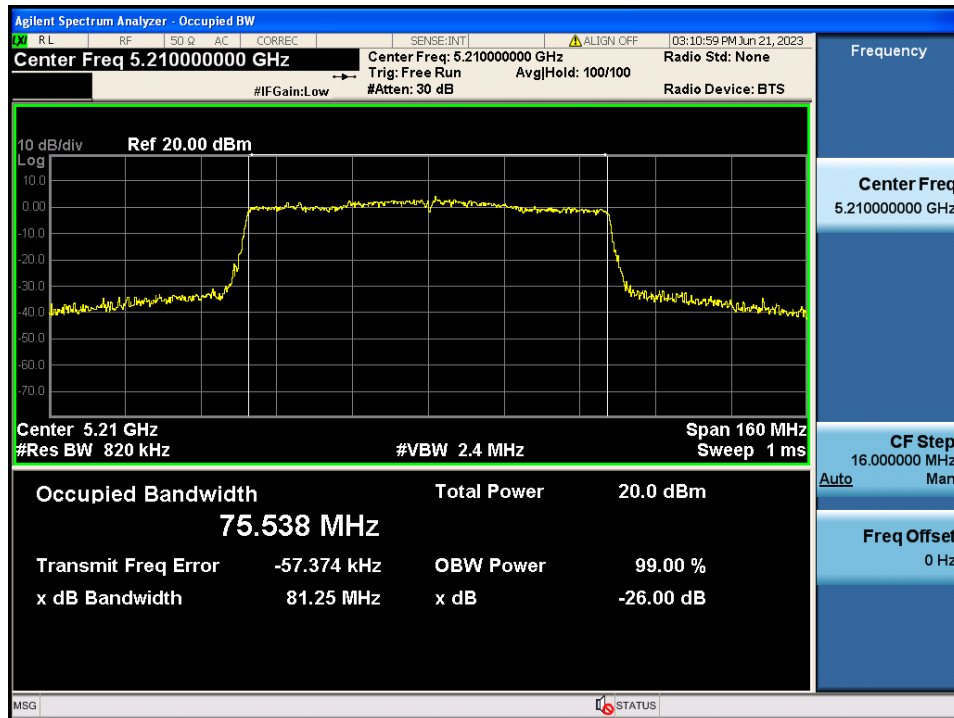
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.142



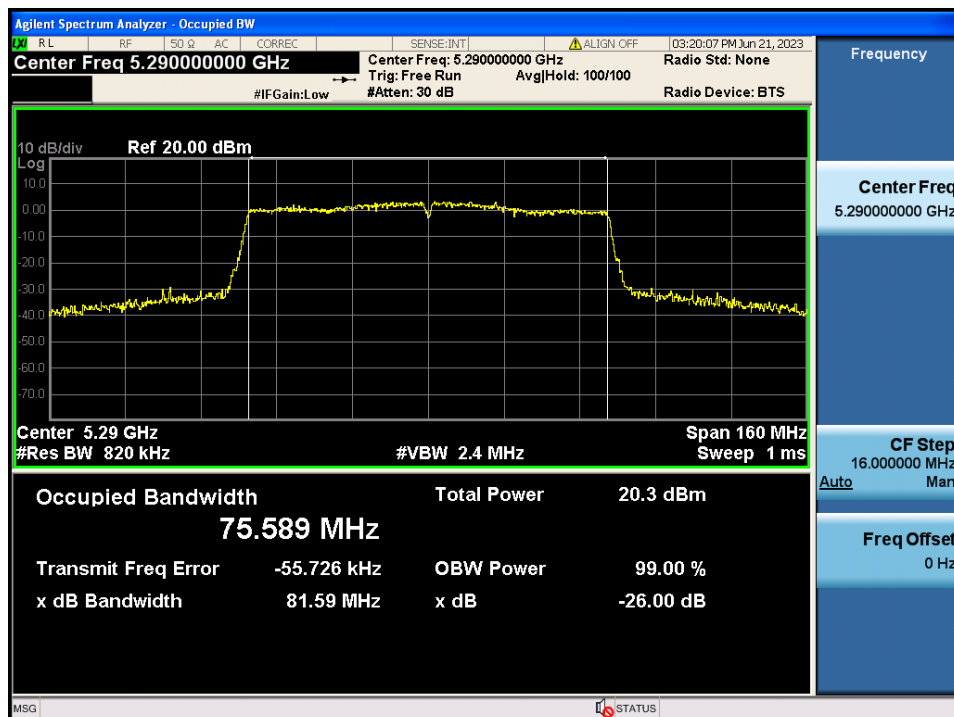
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 &amp; ANT 1 &amp; Ch.42



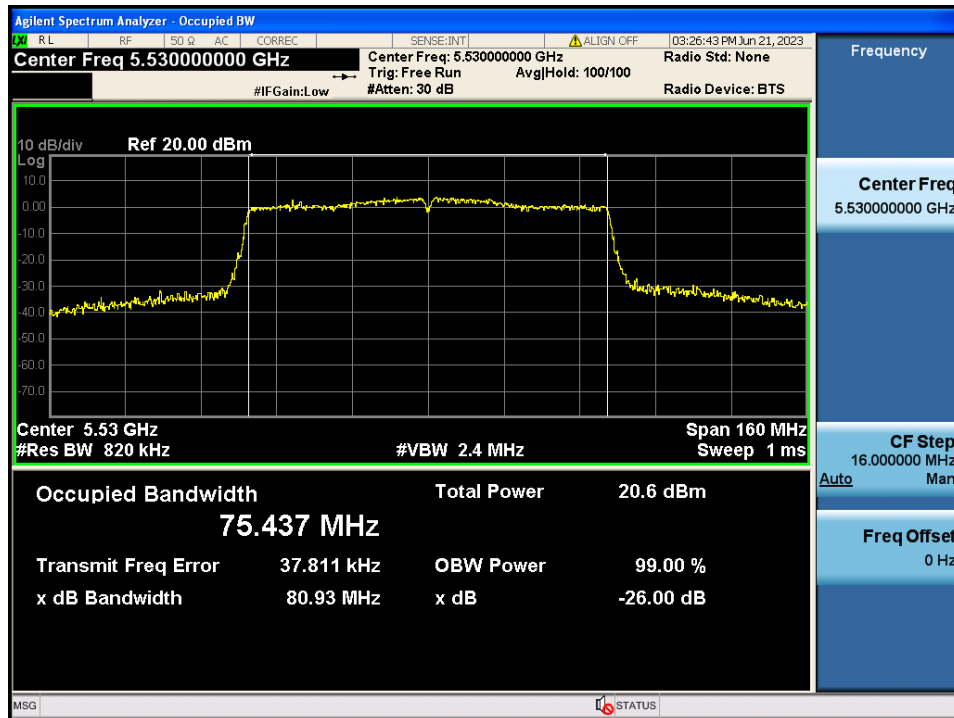
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 &amp; ANT 1 &amp; Ch.58



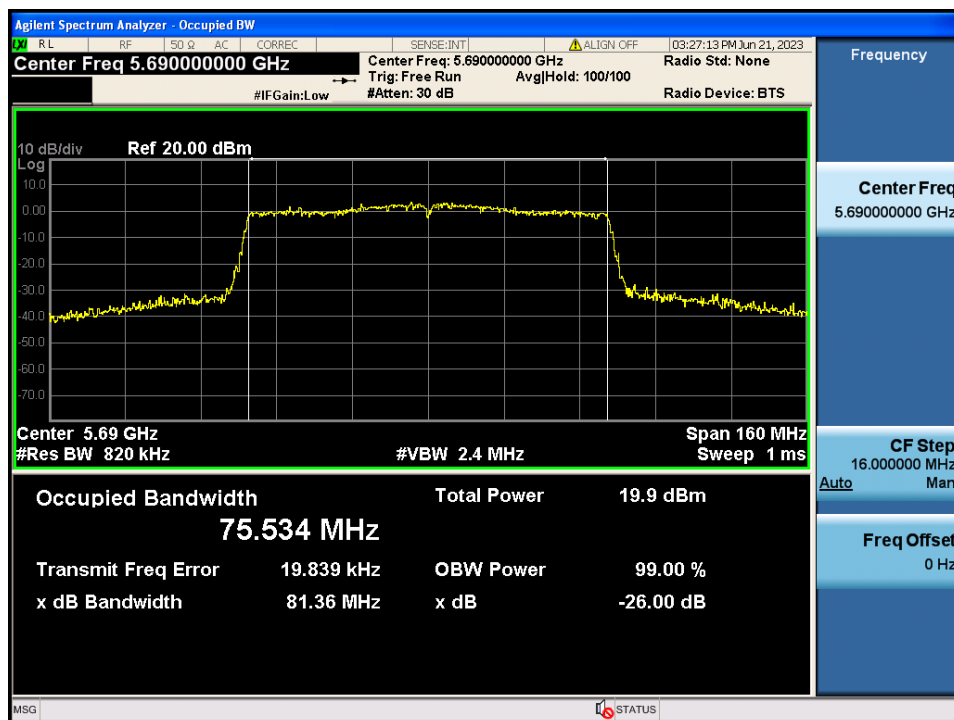
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 &amp; ANT 1 &amp; Ch.106



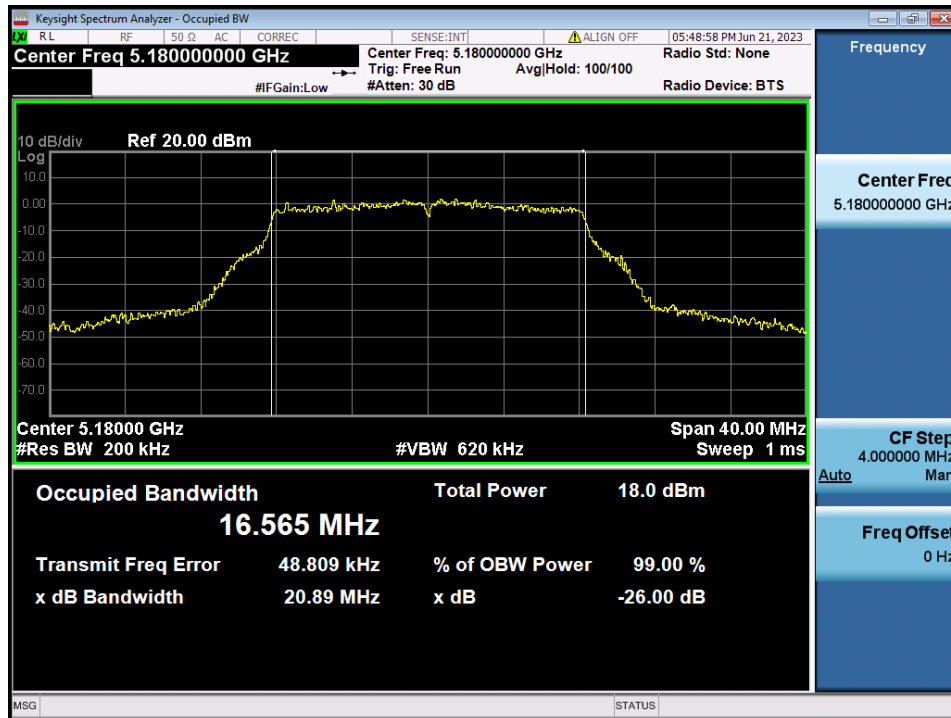
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 &amp; ANT 1 &amp; Ch.138



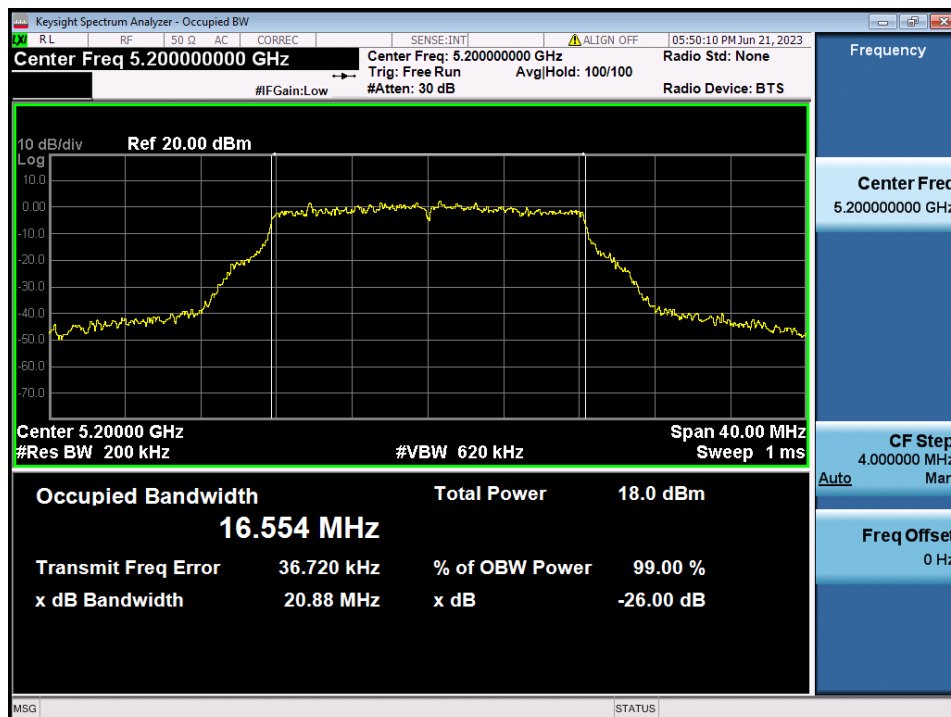
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.36



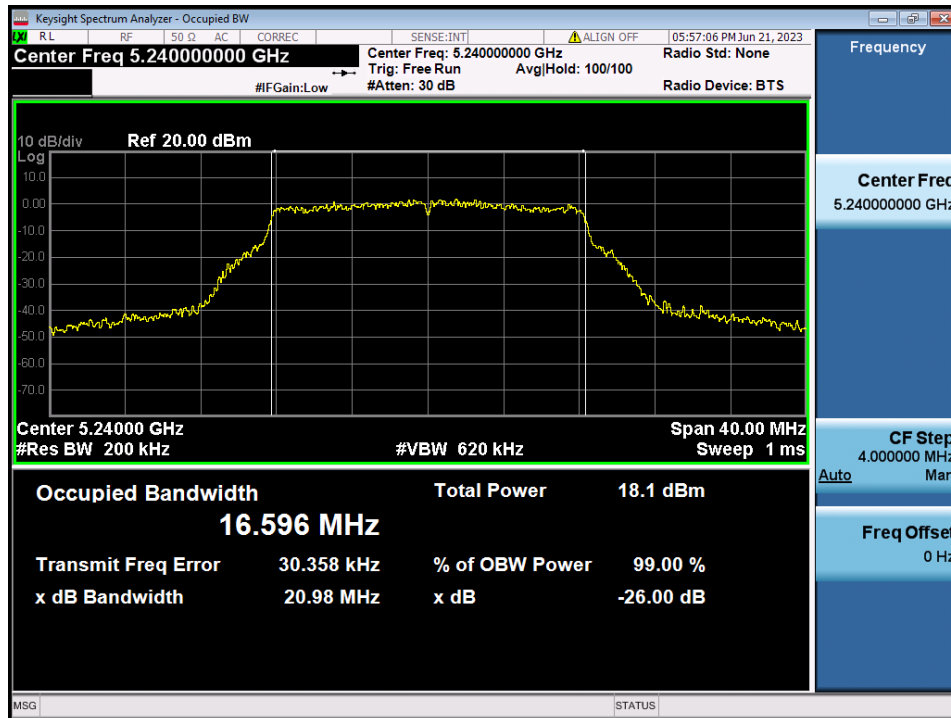
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.40



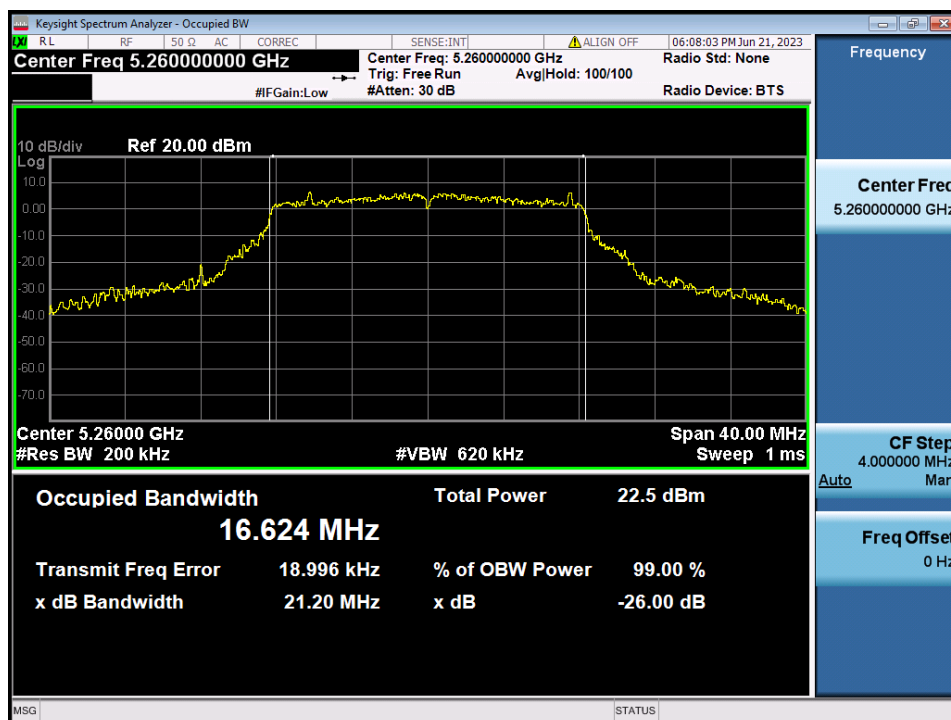
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 & ANT 2 & Ch.48



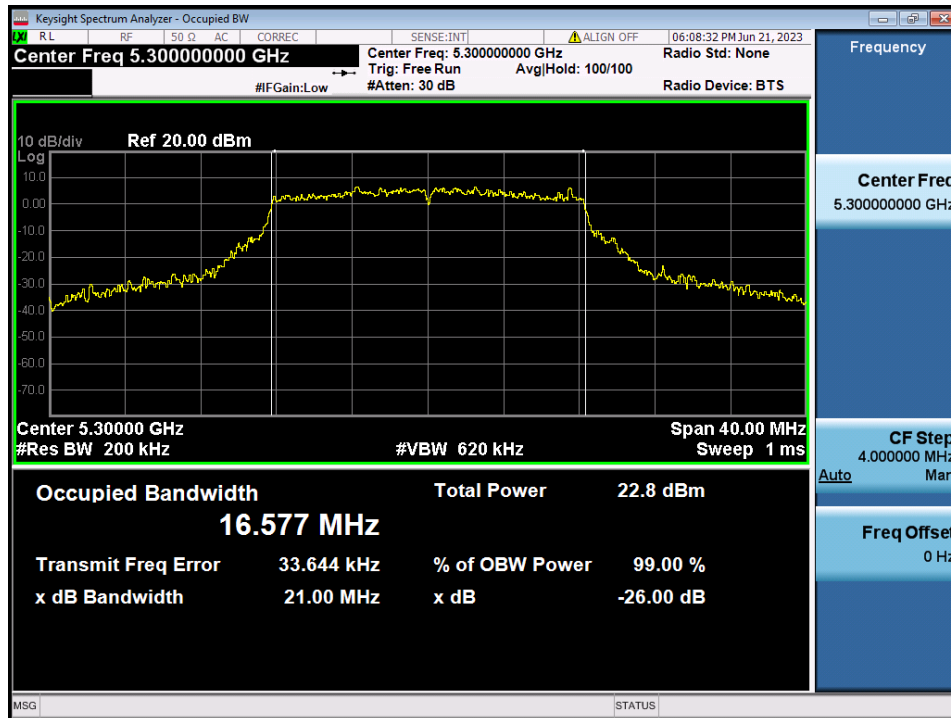
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 & ANT 2 & Ch.52



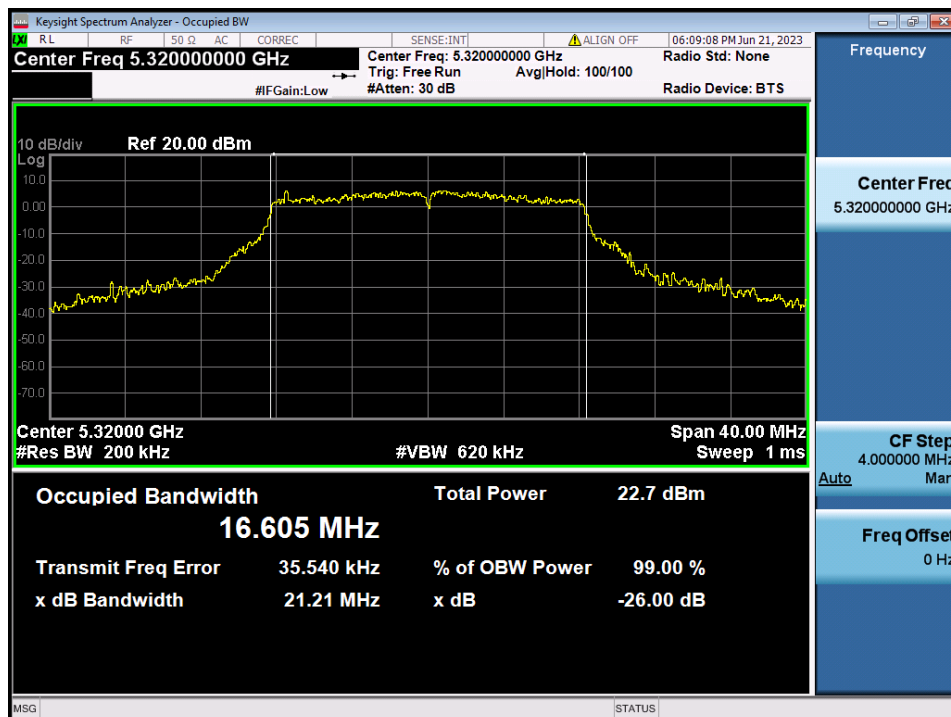
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.60



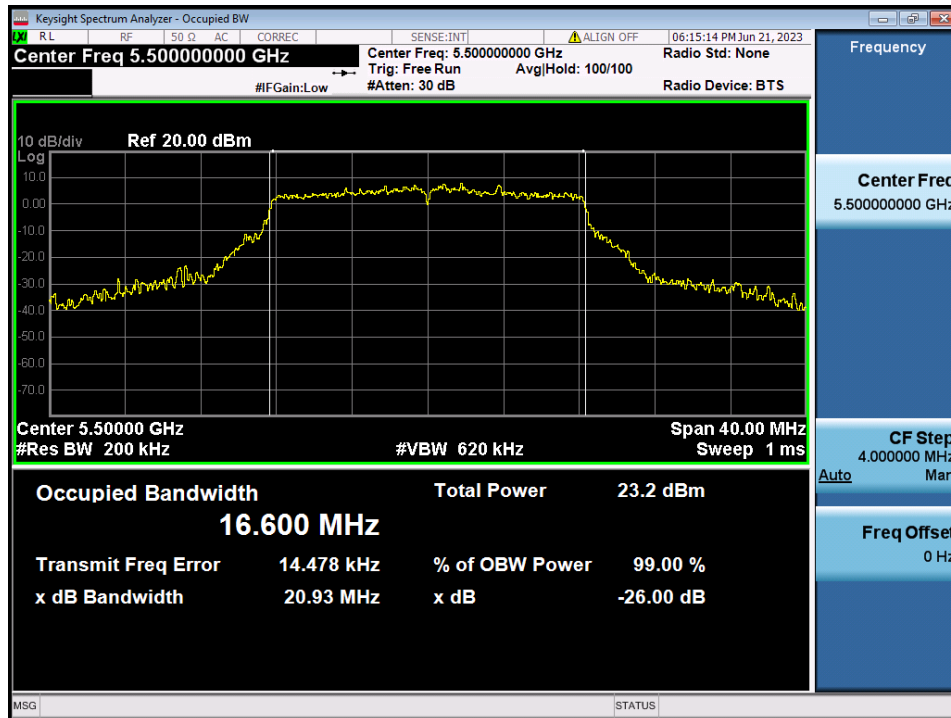
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.64



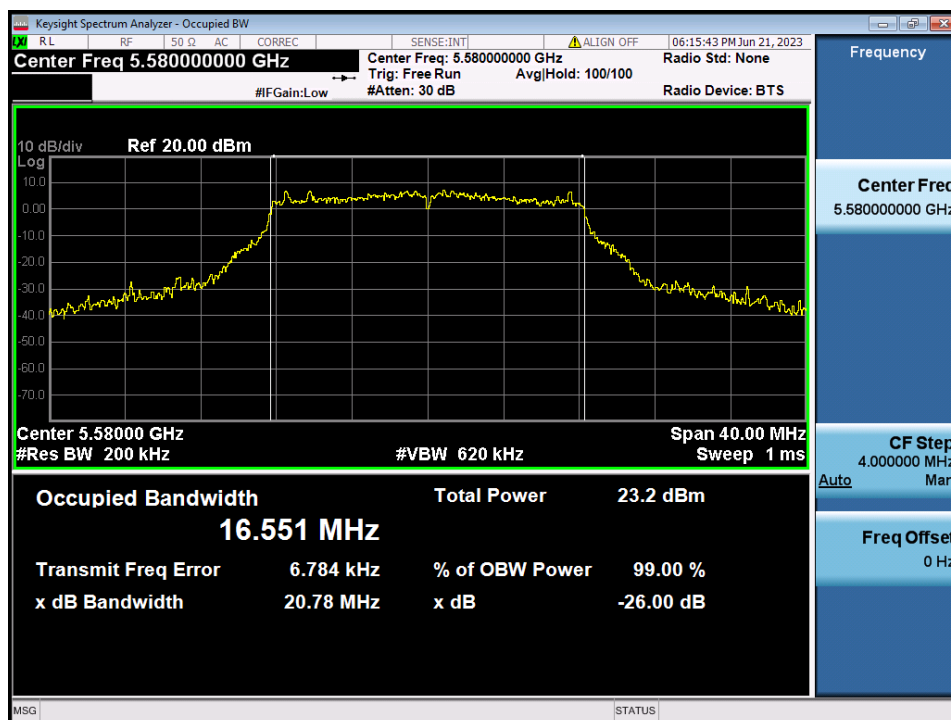
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.100



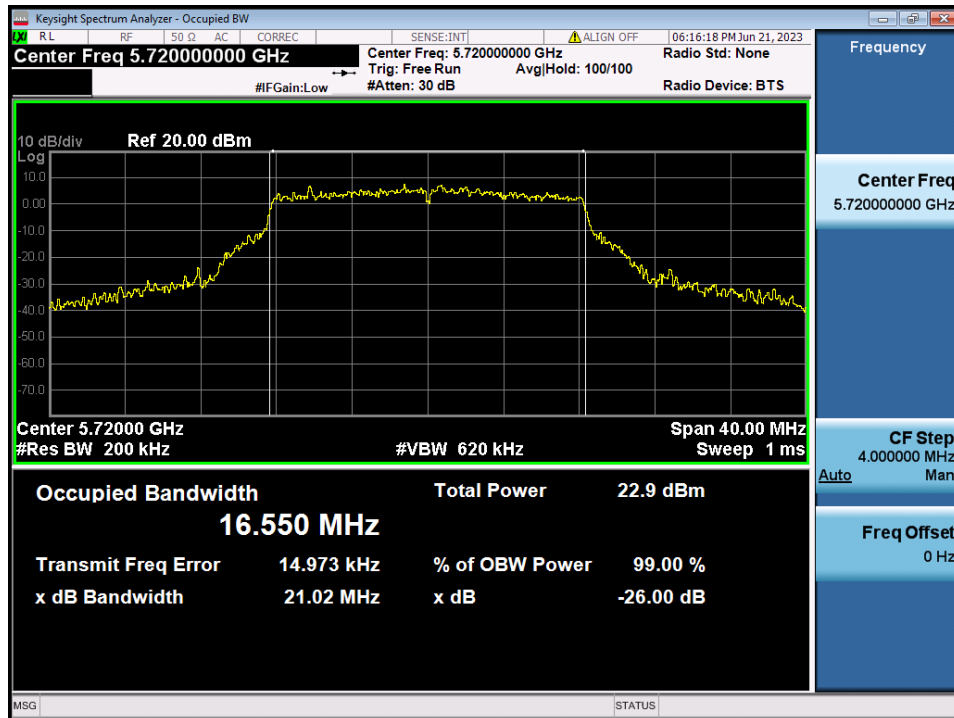
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.116



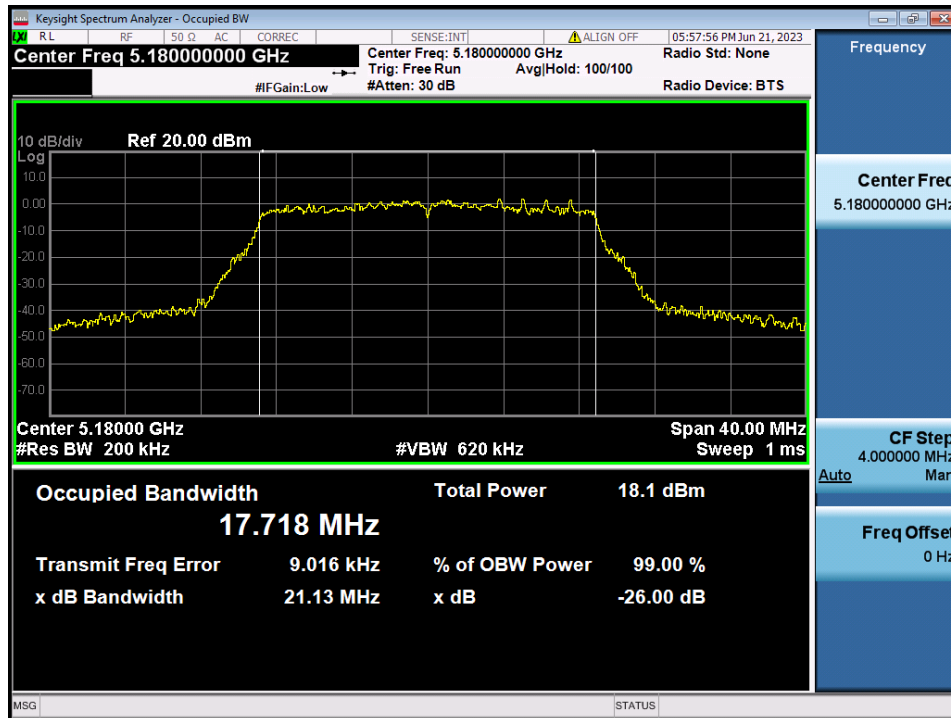
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 1 & ANT 2 & Ch.144



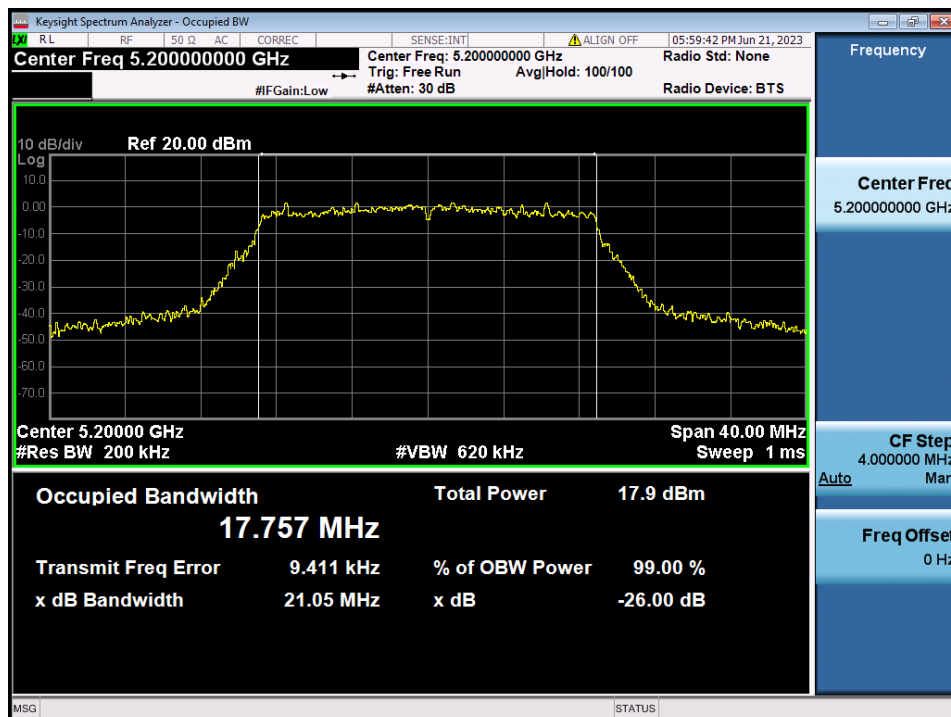
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 &amp; ANT 2 &amp; Ch.36



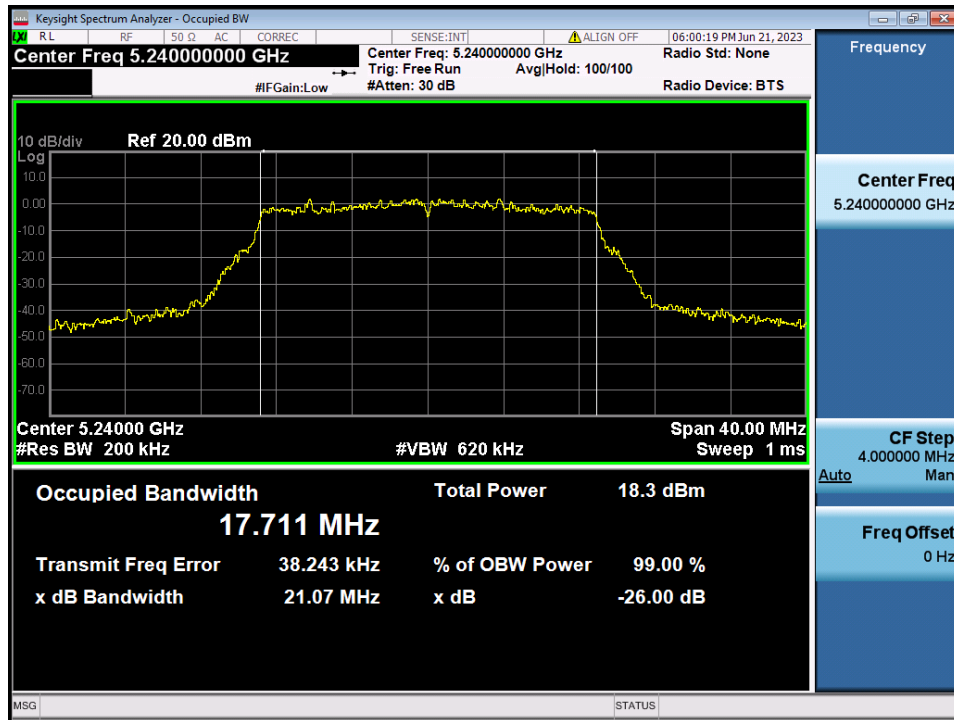
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 &amp; ANT 2 &amp; Ch.40



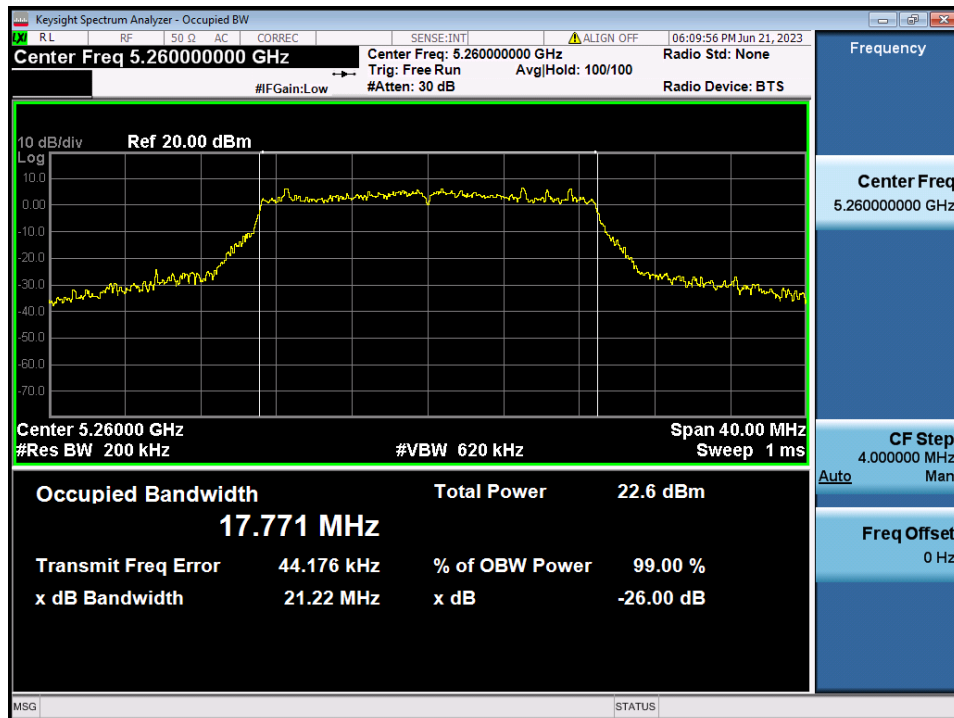
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 2 & Ch.48



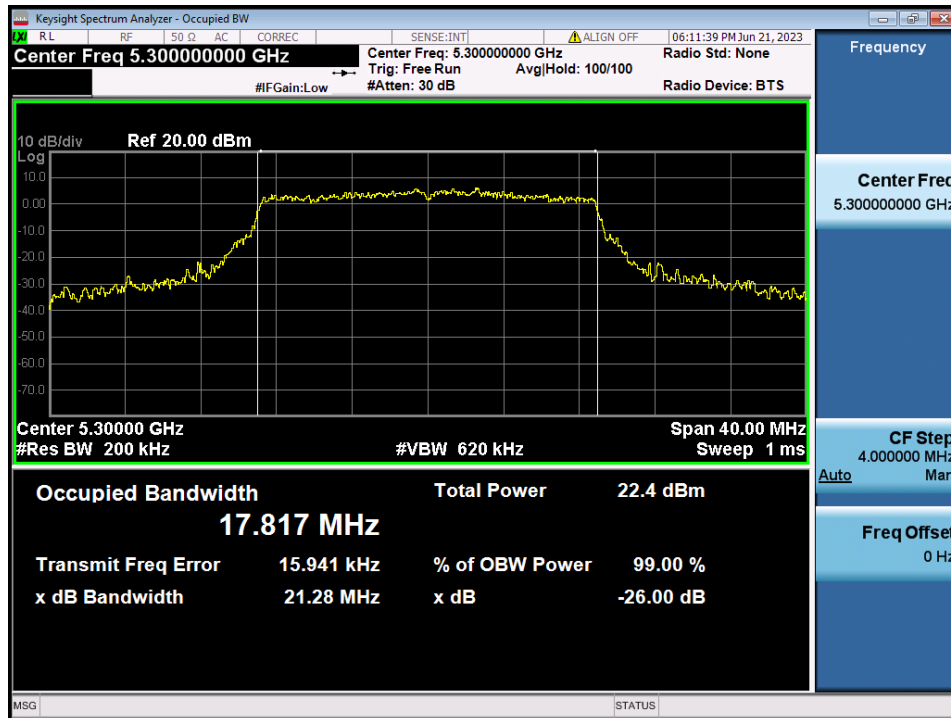
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 2 & Ch.52



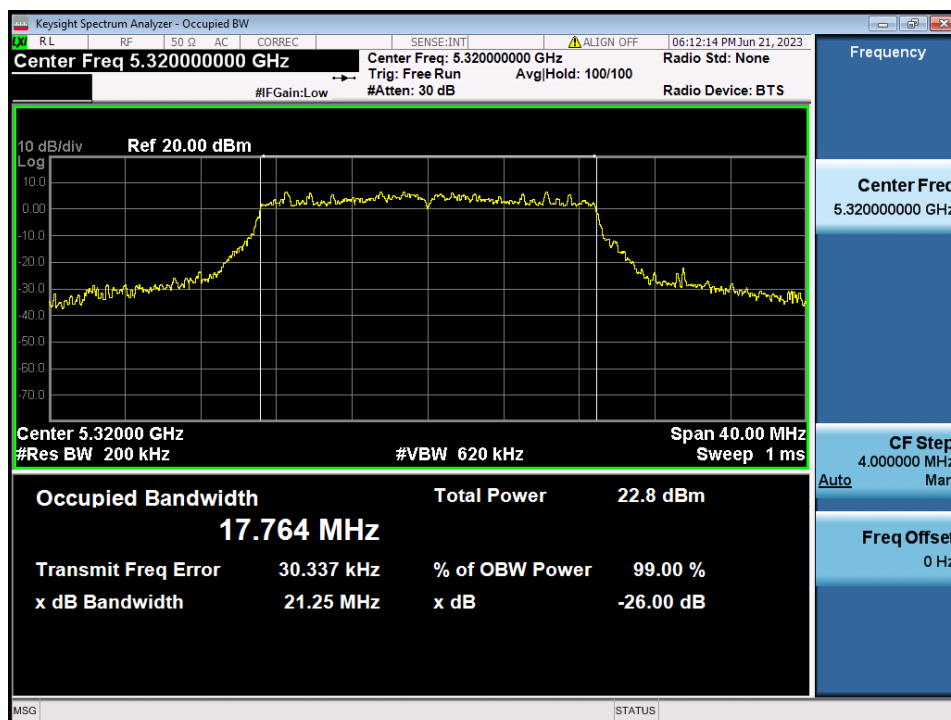
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 &amp; ANT 2 &amp; Ch.60



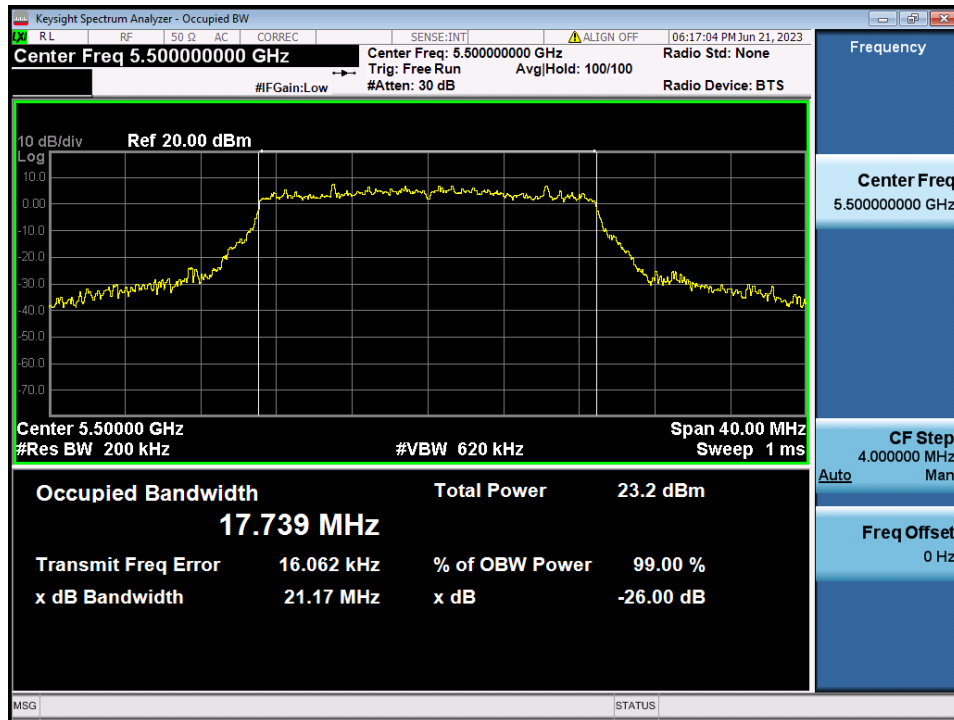
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 &amp; ANT 2 &amp; Ch.64



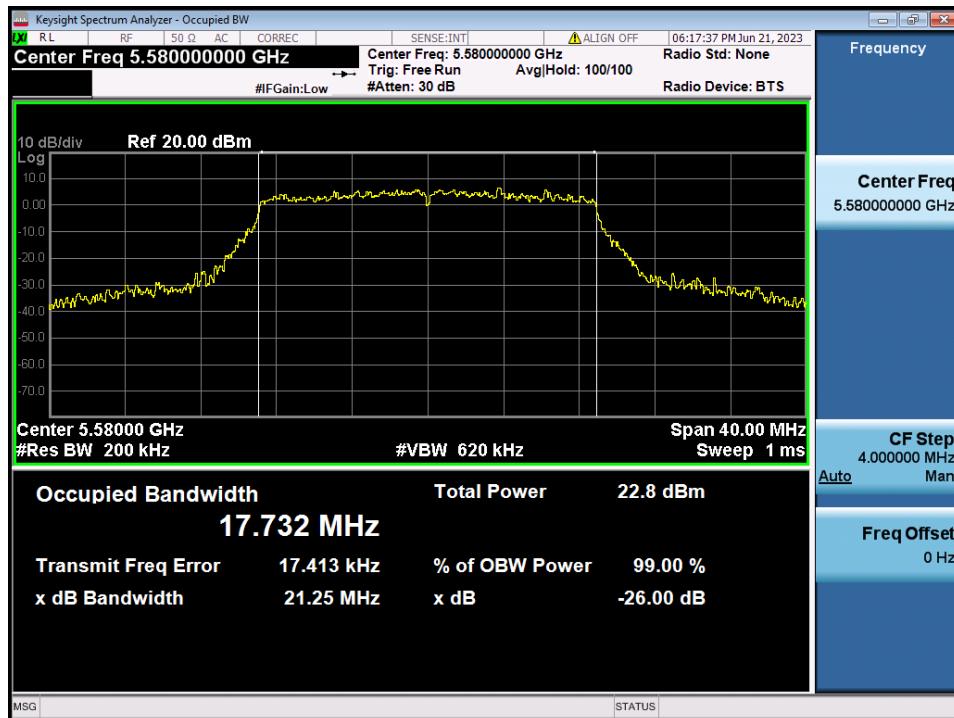
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 2 & Ch.100



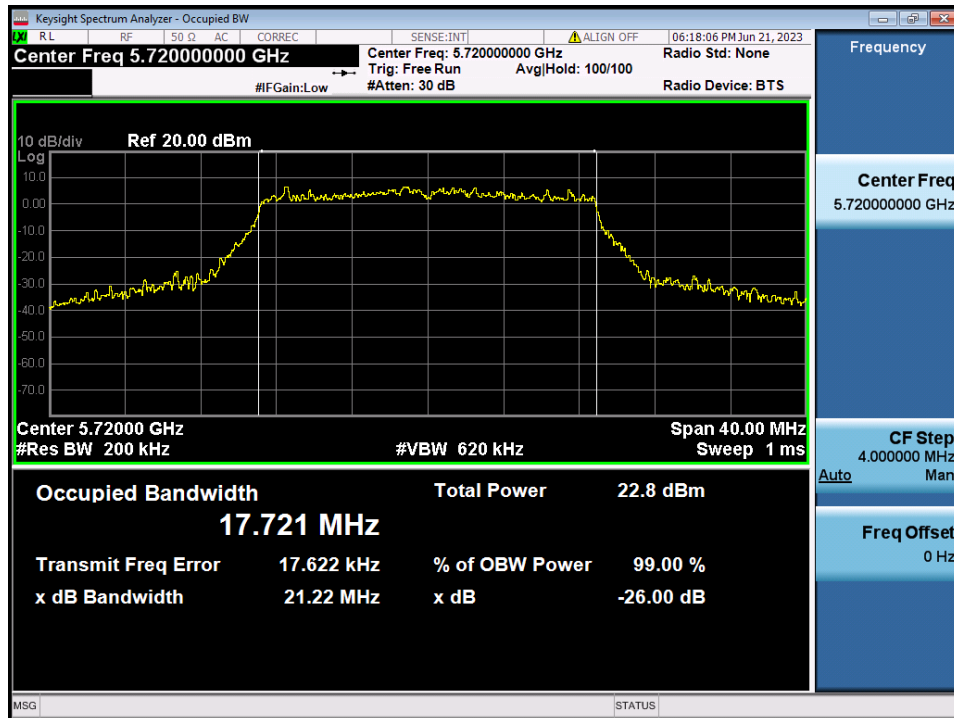
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 2 & Ch.116



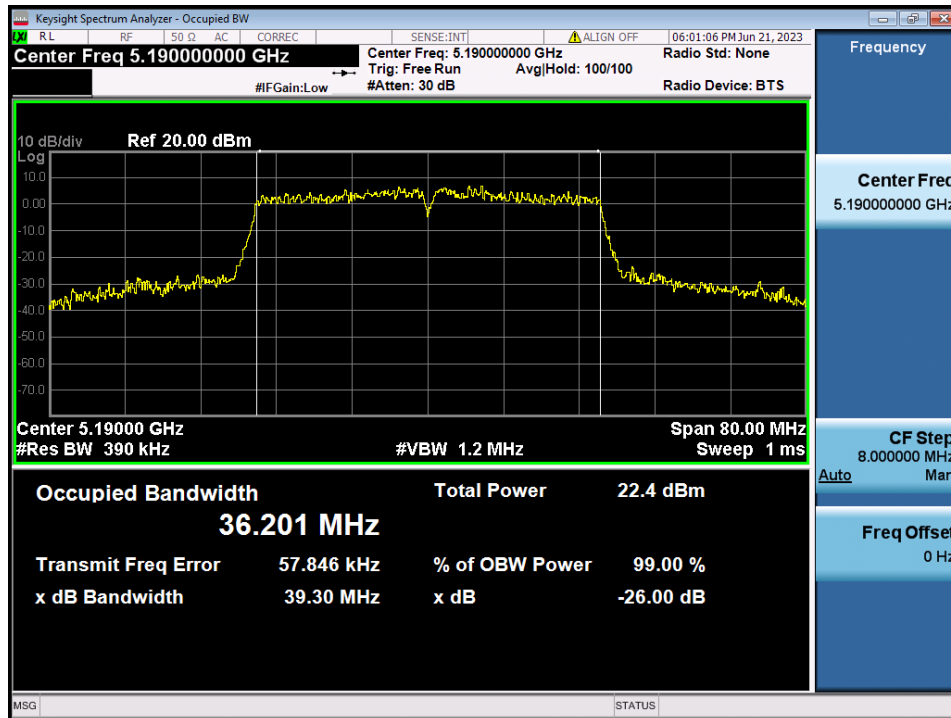
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & ANT 2 & Ch.144



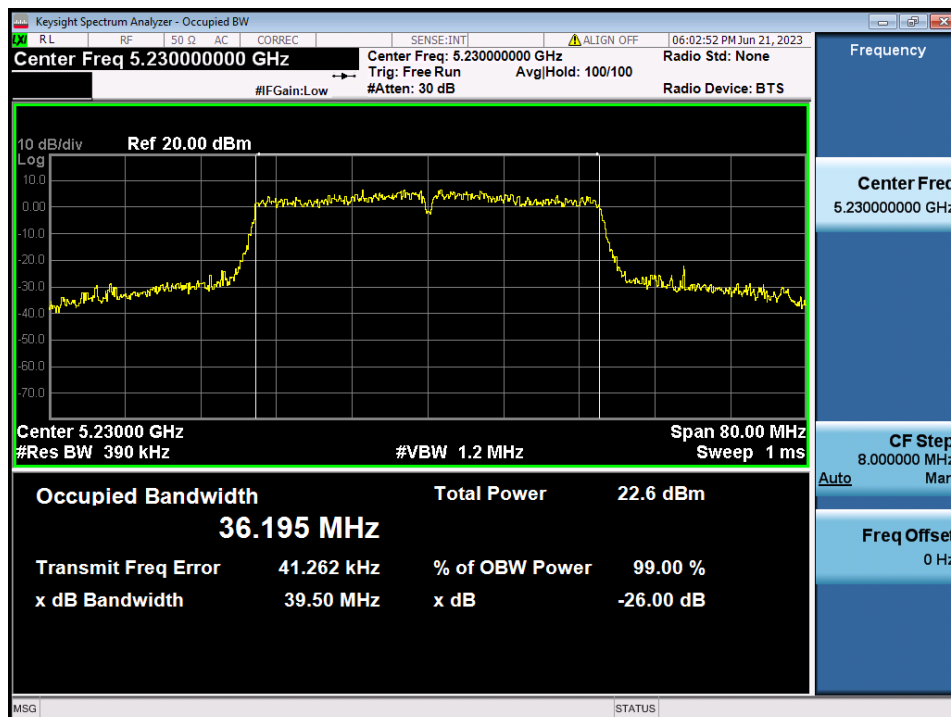
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 & ANT 2 & Ch.38



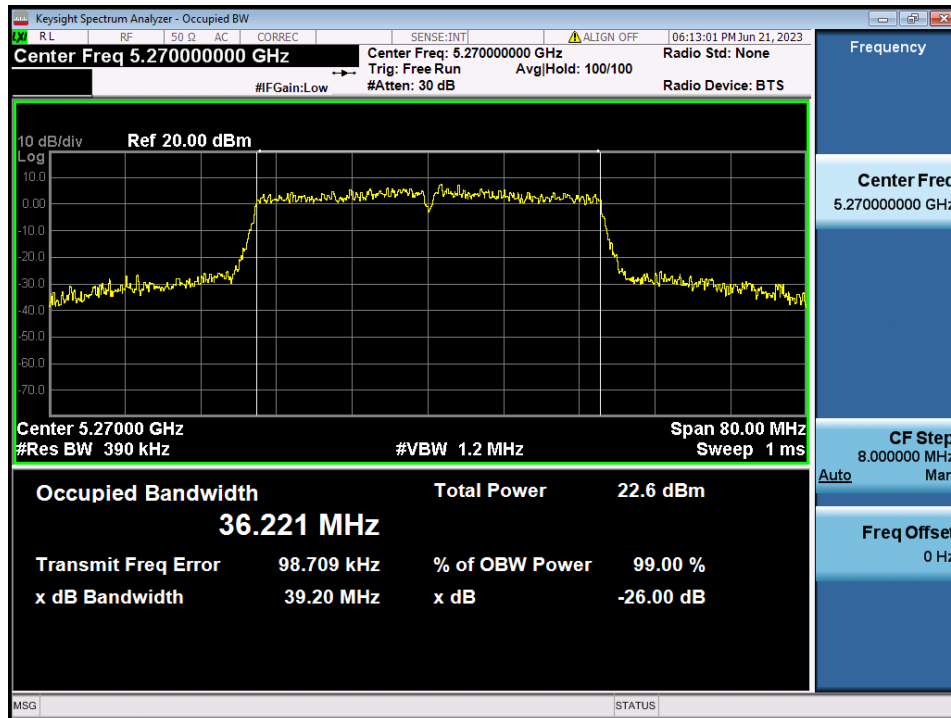
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 & ANT 2 & Ch.46



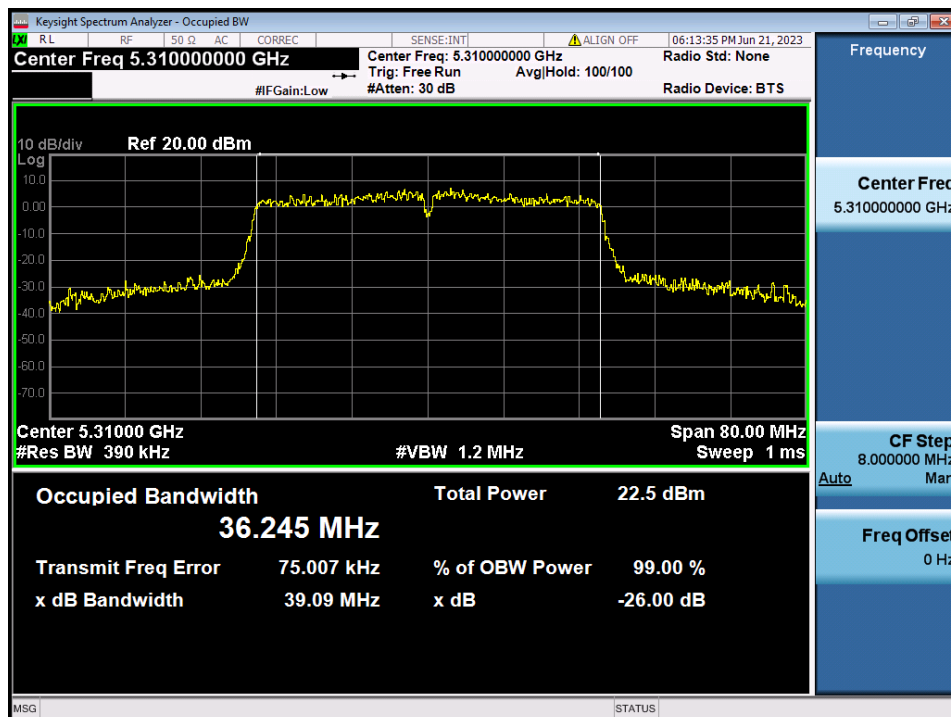
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 &amp; ANT 2 &amp; Ch.54



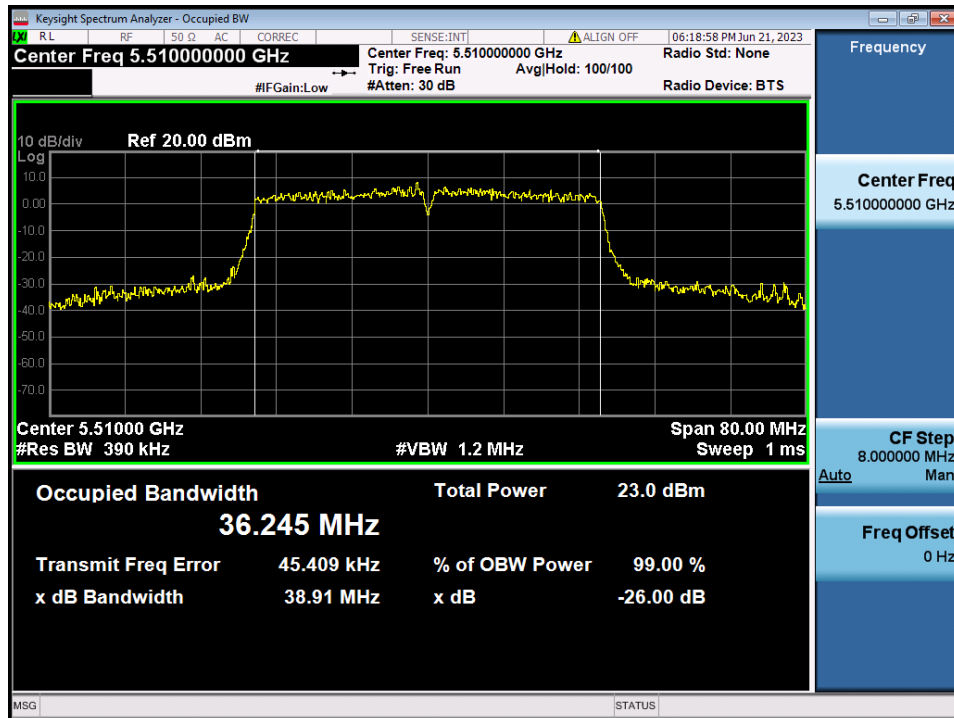
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 &amp; ANT 2 &amp; Ch.62



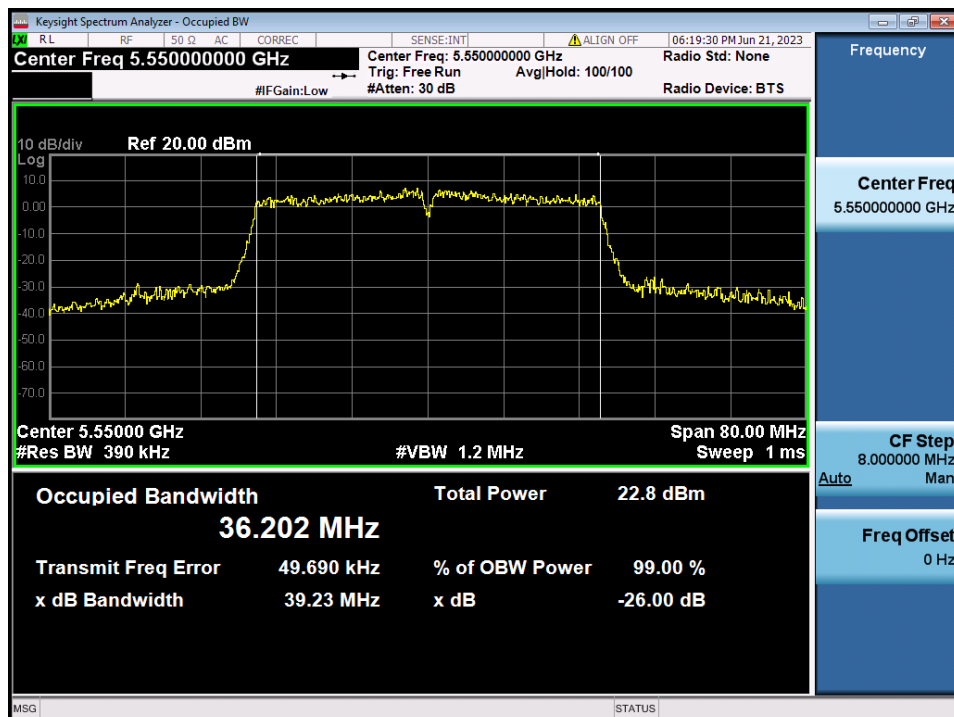
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 &amp; ANT 2 &amp; Ch.102



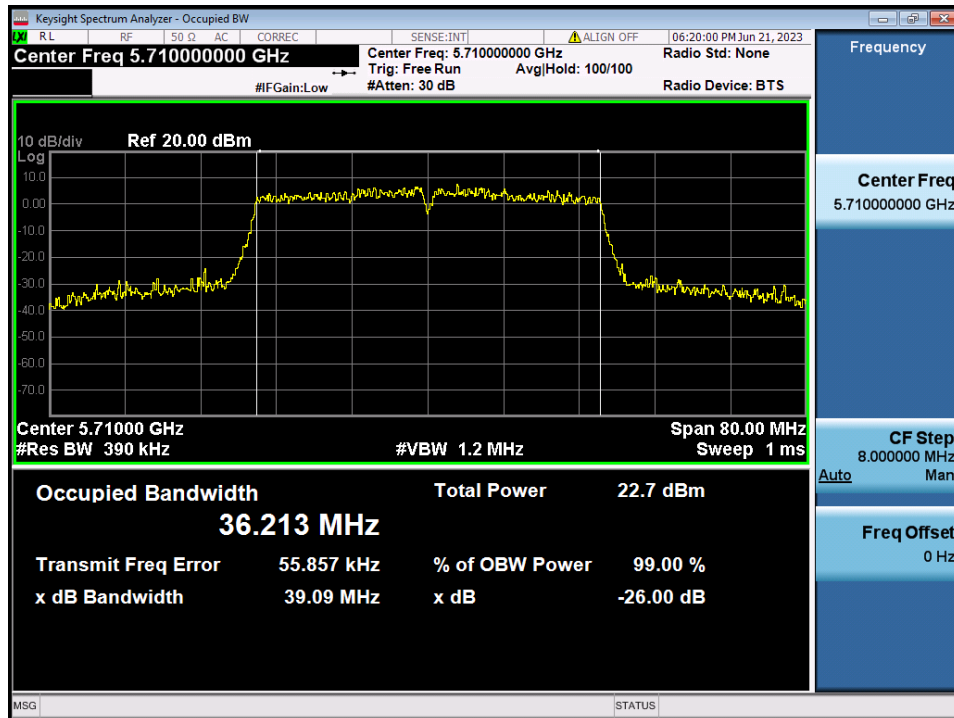
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 &amp; ANT 2 &amp; Ch.110



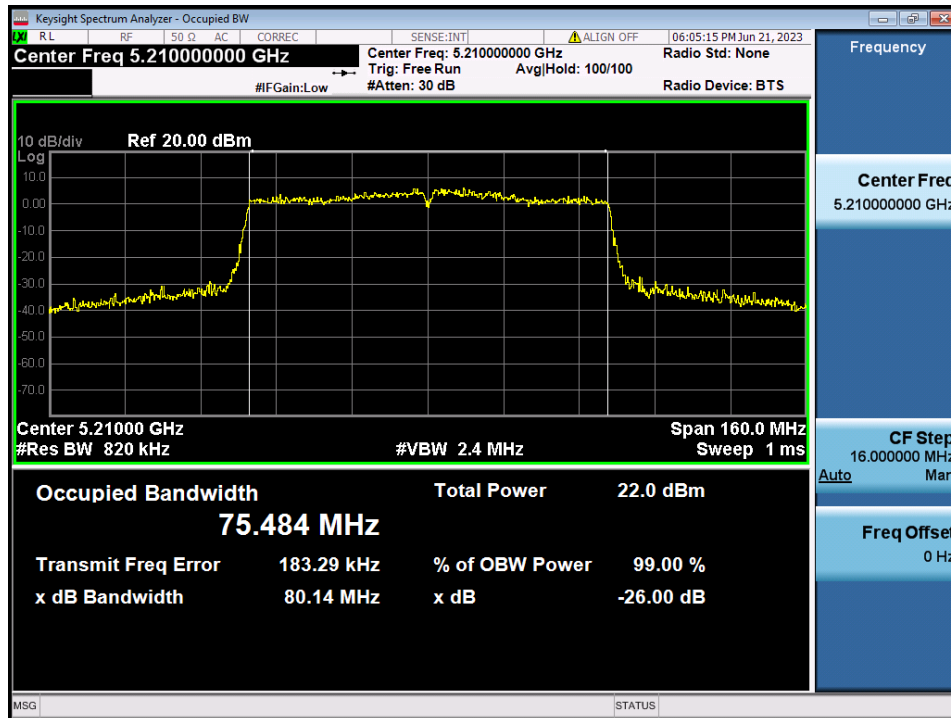
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 3 & ANT 2 & Ch.142



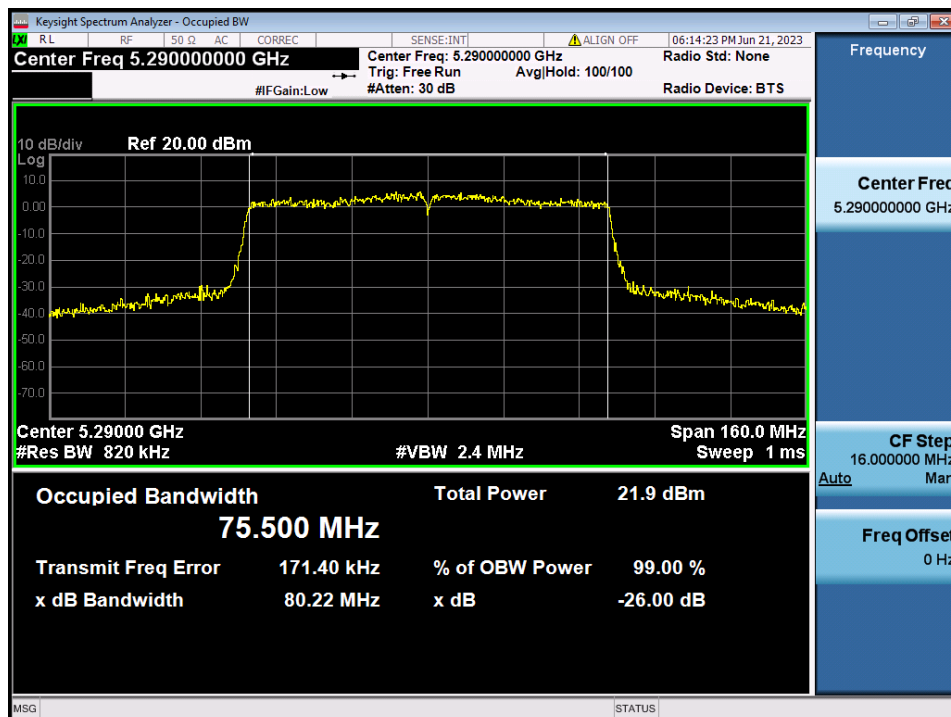
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 &amp; ANT 2 &amp; Ch.42



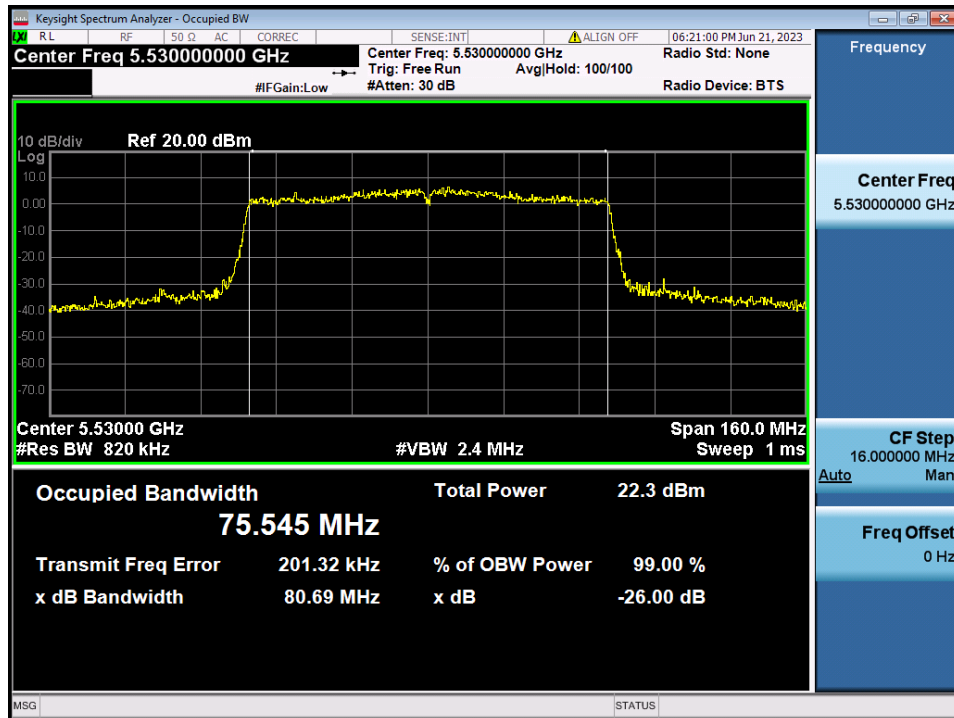
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 &amp; ANT 2 &amp; Ch.58



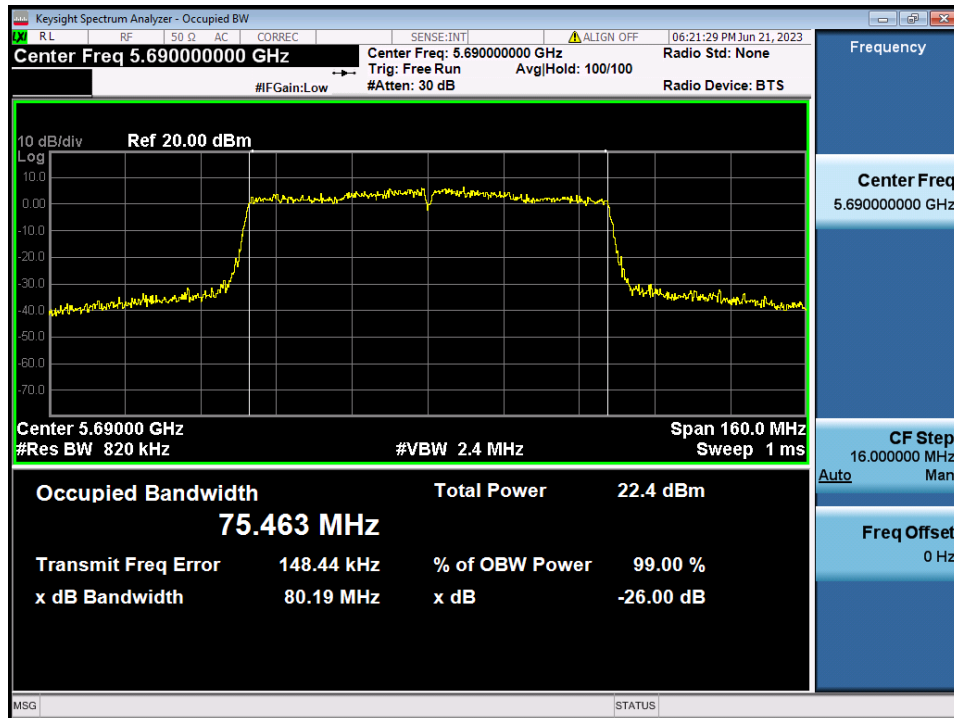
## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 & ANT 2 & Ch.106



## 26 dB Bandwidth & Occupied BW

Test Mode: TM 4 & ANT 2 & Ch.138



## 5.2 Minimum Emission Bandwidth (6 dB Bandwidth) & Occupied BW (99 %)

### ■ Test Requirements

#### - Emission Bandwidth (6 dB Bandwidth)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

#### - Occupied BW (99 %)

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99 % emission bandwidth, as calculated or measured.

### ■ Test Configuration

Refer to the APPENDIX I.

### ■ Test Procedure

#### - Emission Bandwidth (6 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB789033 D02v02r01**.

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth  $\geq 3 \times \text{RBW}$ .
3. Detector = **Peak**.
4. Trace mode = **max hold**.

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.

#### - Occupied BW (99 %) : RSS-Gen[6.7]

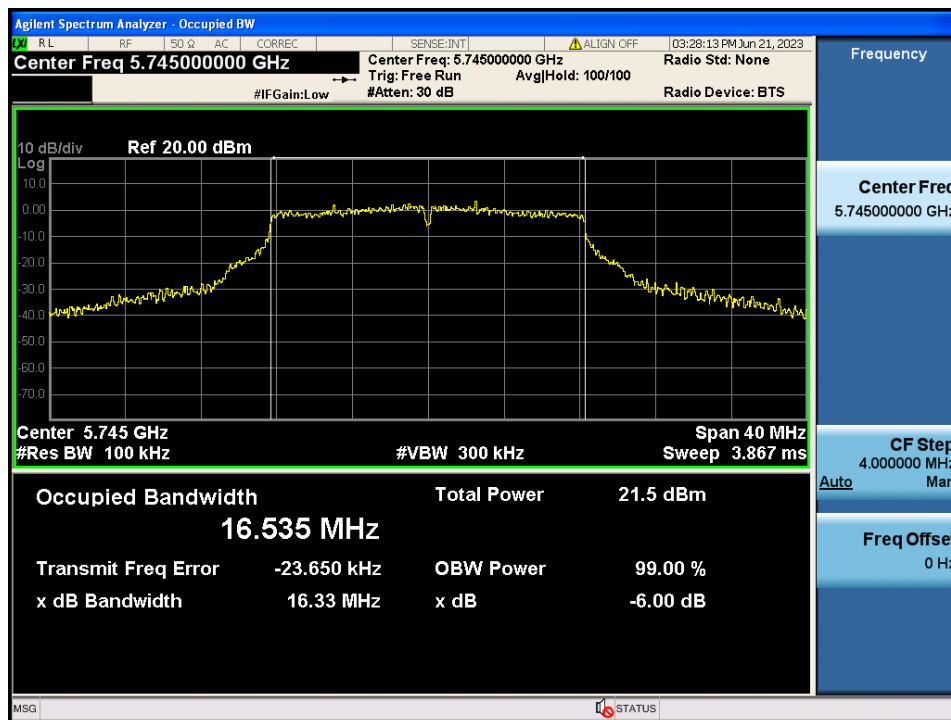
1. The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
2. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
3. The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately  $3 \times \text{RBW}$ .

■ Test Results: **Comply**

| Test Mode | Band    | Channel | Frequency(MHz) | 6 dB BW(MHz) |       | 99 % BW(MHz) |       |
|-----------|---------|---------|----------------|--------------|-------|--------------|-------|
|           |         |         |                | ANT 1        | ANT 2 | ANT 1        | ANT 2 |
| TM 1      | U-NII 3 | 149     | 5 745          | 16.33        | 16.36 | 16.69        | 16.60 |
|           |         | 157     | 5 785          | 16.02        | 16.31 | 16.66        | 16.62 |
|           |         | 165     | 5 825          | 16.01        | 16.32 | 16.69        | 16.62 |
| TM 2      | U-NII 3 | 149     | 5 745          | 17.21        | 17.60 | 17.80        | 17.75 |
|           |         | 157     | 5 785          | 16.25        | 16.71 | 17.84        | 17.75 |
|           |         | 165     | 5 825          | 17.48        | 17.19 | 17.86        | 17.73 |
| TM 3      | U-NII 3 | 151     | 5 755          | 35.17        | 35.30 | 36.23        | 36.17 |
|           |         | 159     | 5 795          | 35.27        | 35.16 | 36.17        | 36.10 |
| TM 4      | U-NII 3 | 155     | 5 775          | 75.49        | 75.49 | 75.69        | 75.52 |

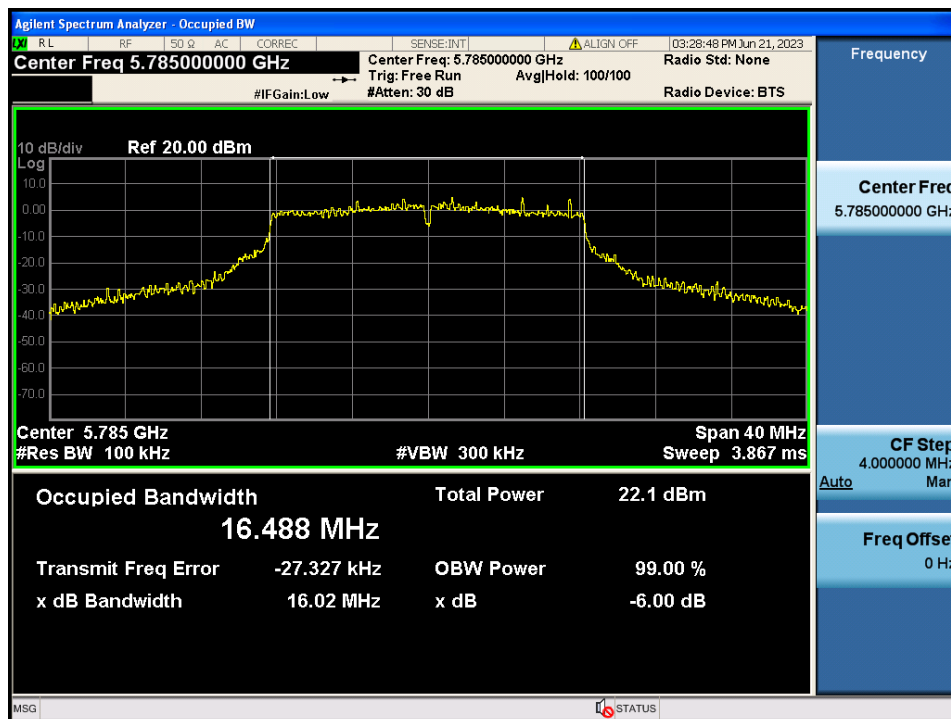
## 6 dB Bandwidth

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.149



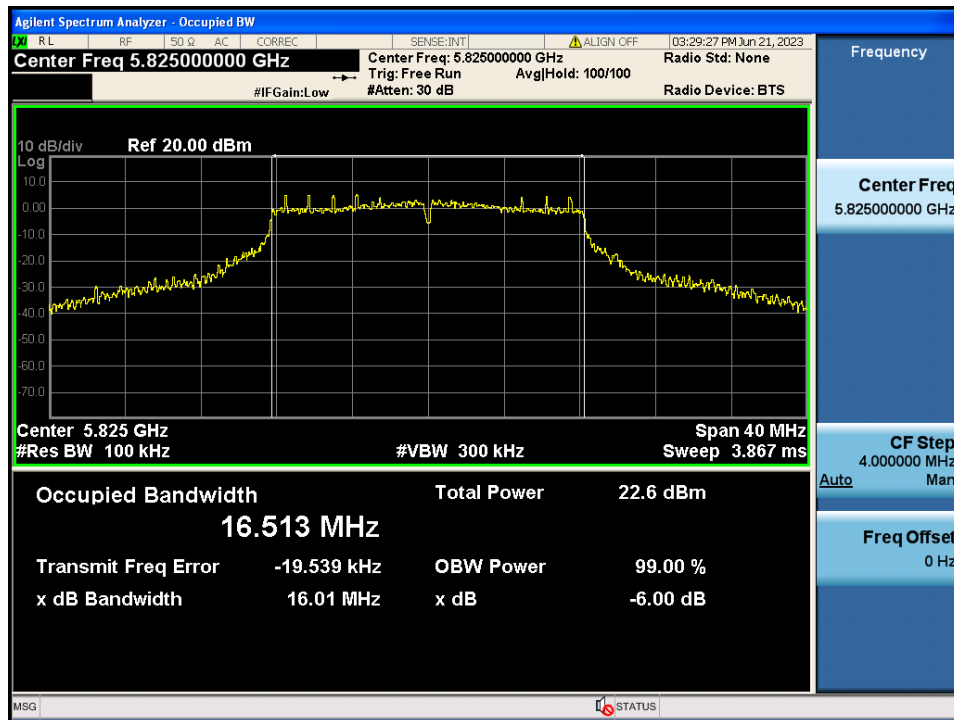
## 6 dB Bandwidth

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.157



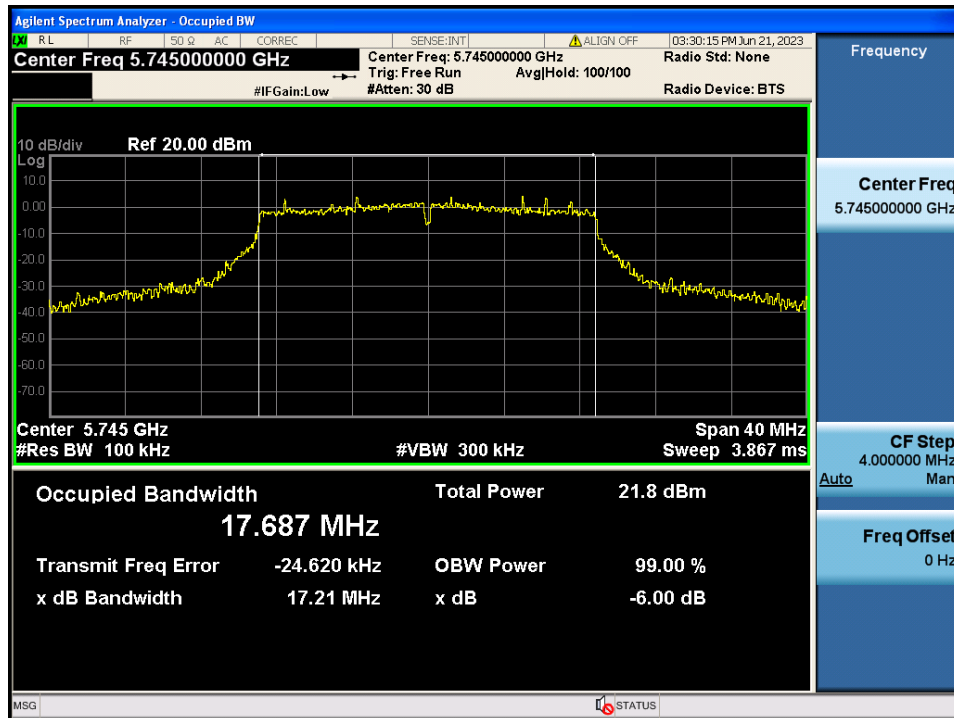
## 6 dB Bandwidth

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.165



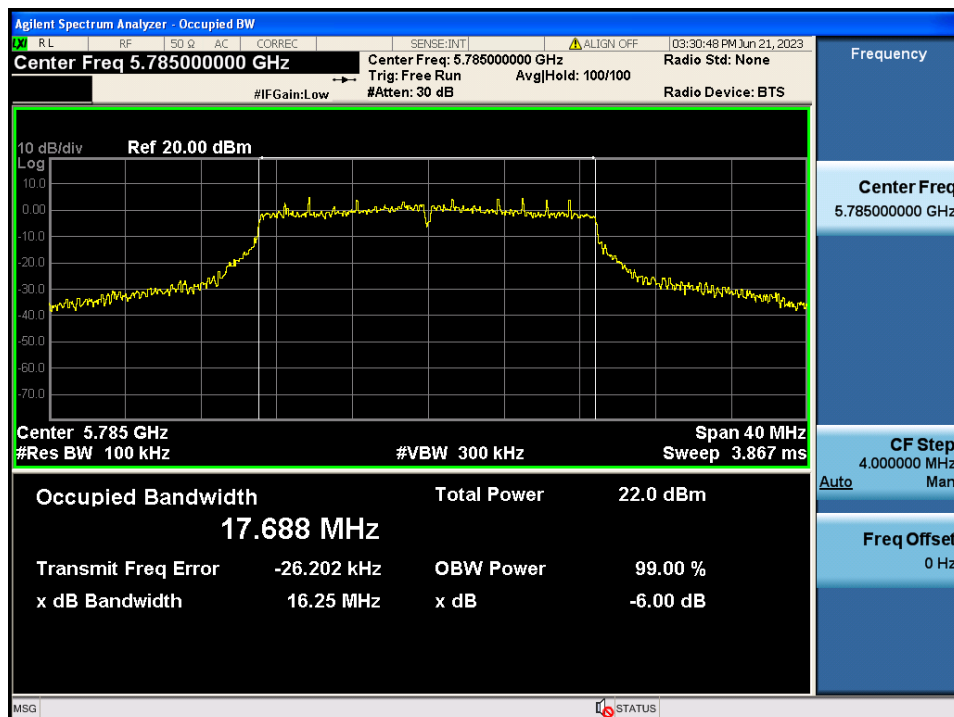
## 6 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.149



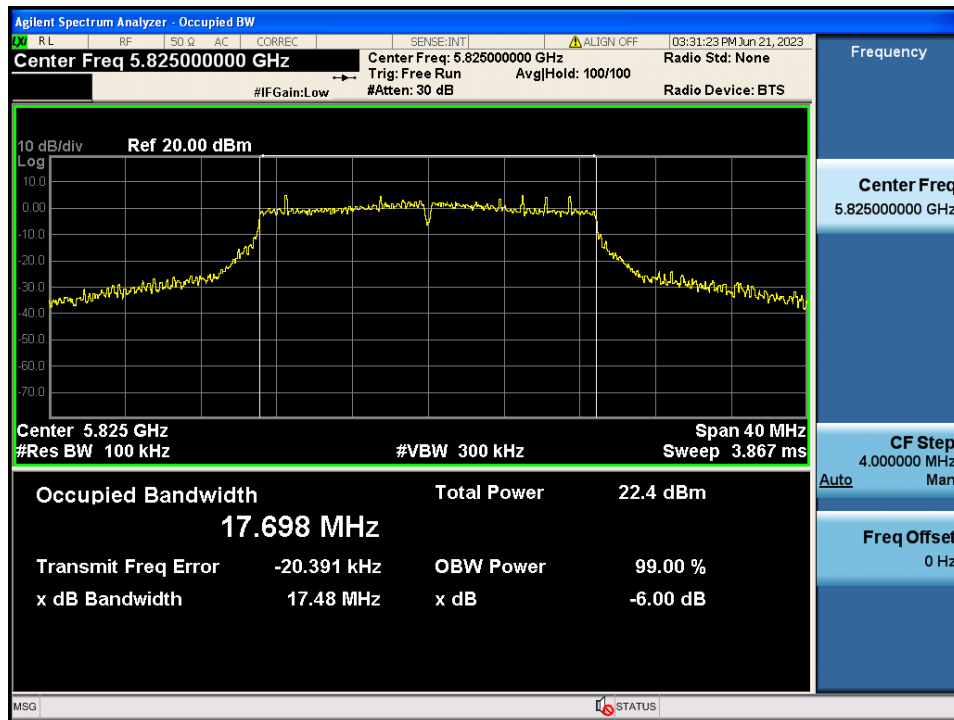
## 6 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.157



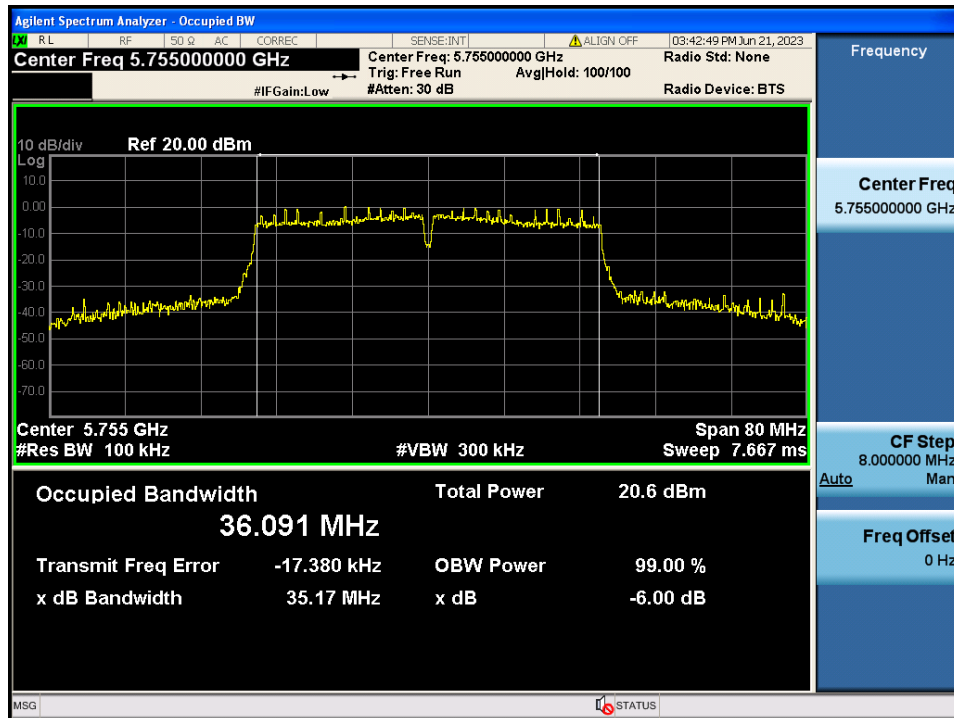
## 6 dB Bandwidth

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.165



## 6 dB Bandwidth

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.151



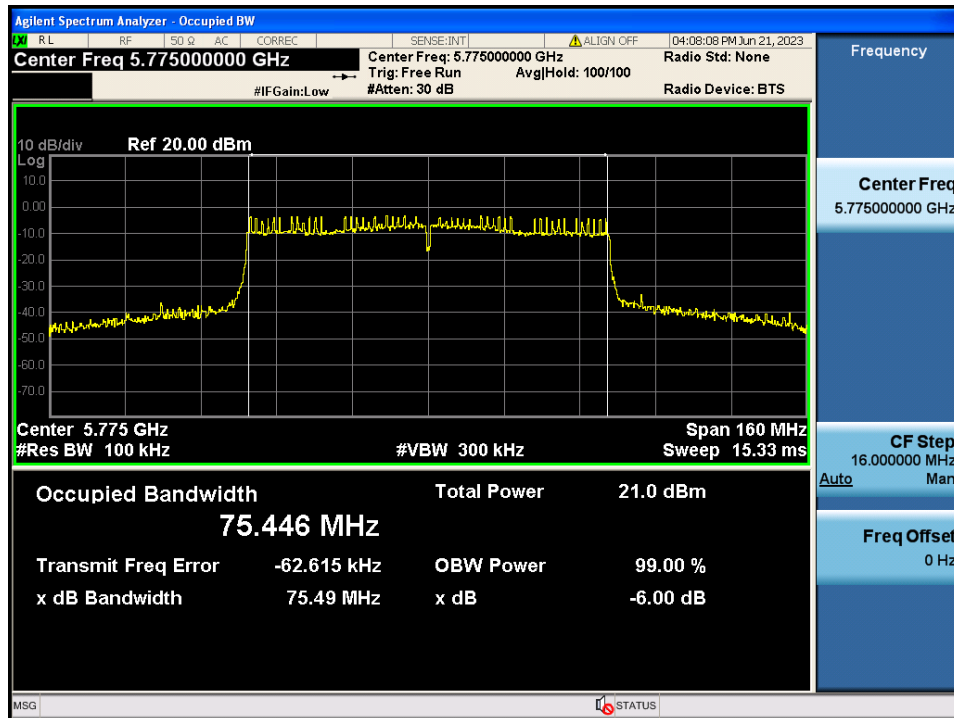
## 6 dB Bandwidth

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.159



6 dB Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.155



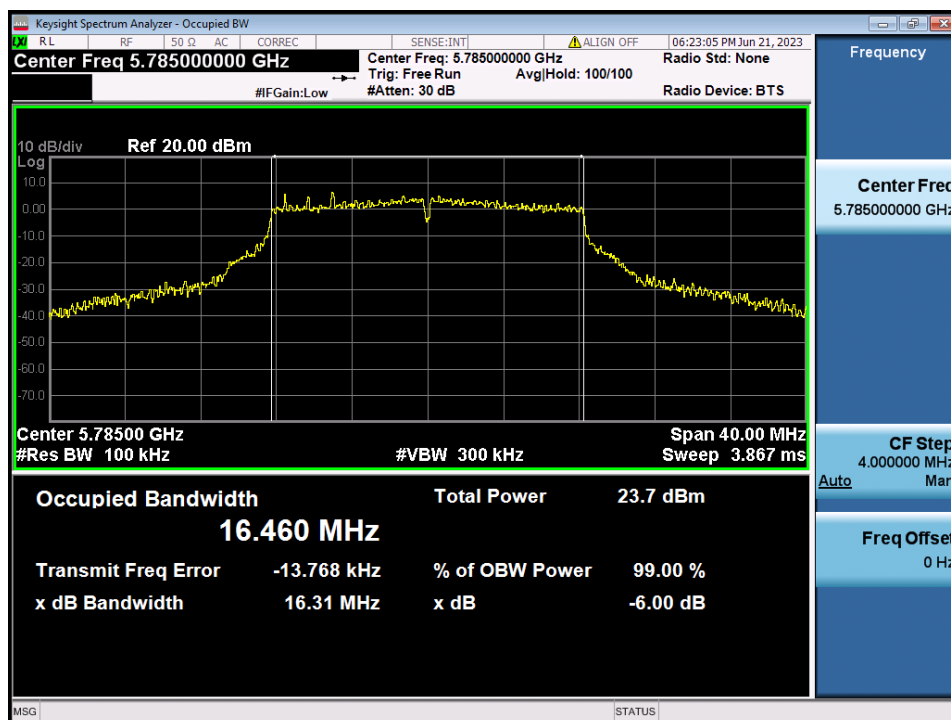
## 6 dB Bandwidth

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.149



## 6 dB Bandwidth

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.157



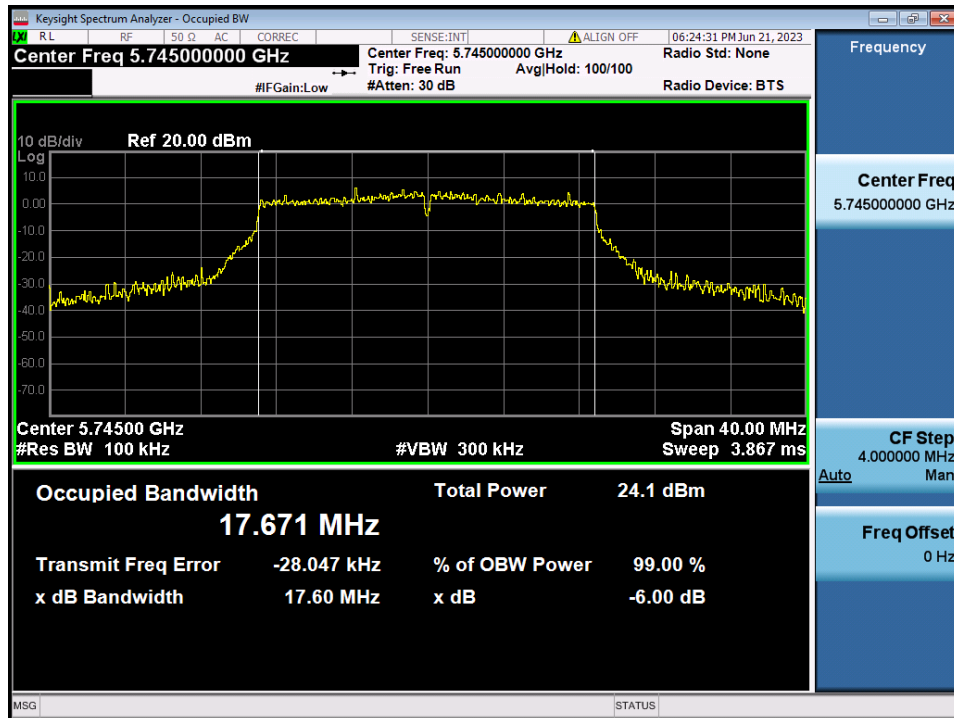
## 6 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.165



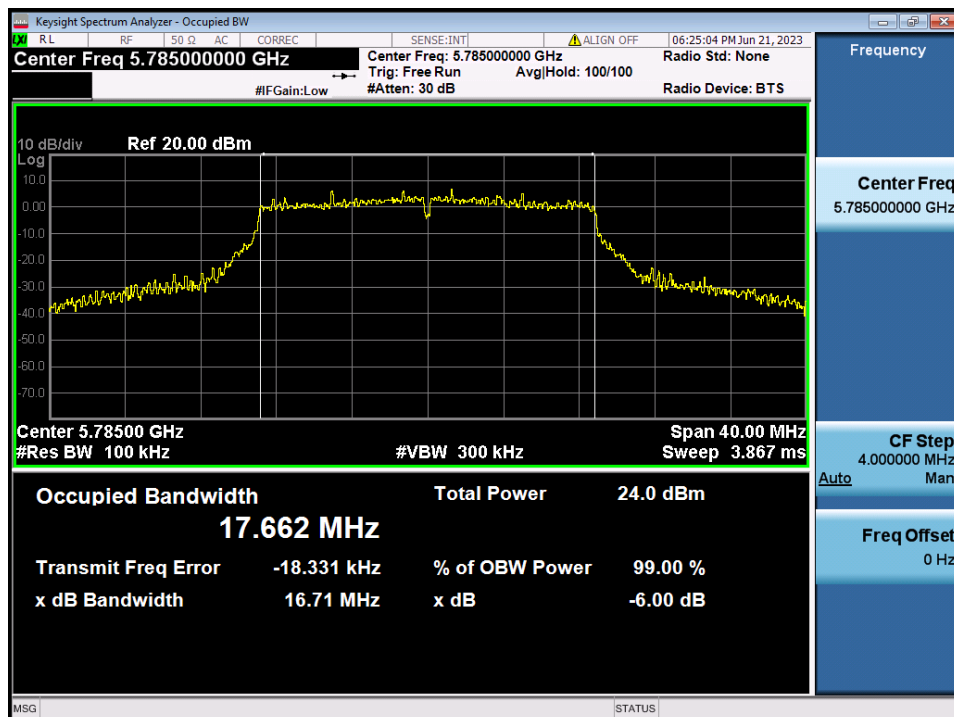
## 6 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.149



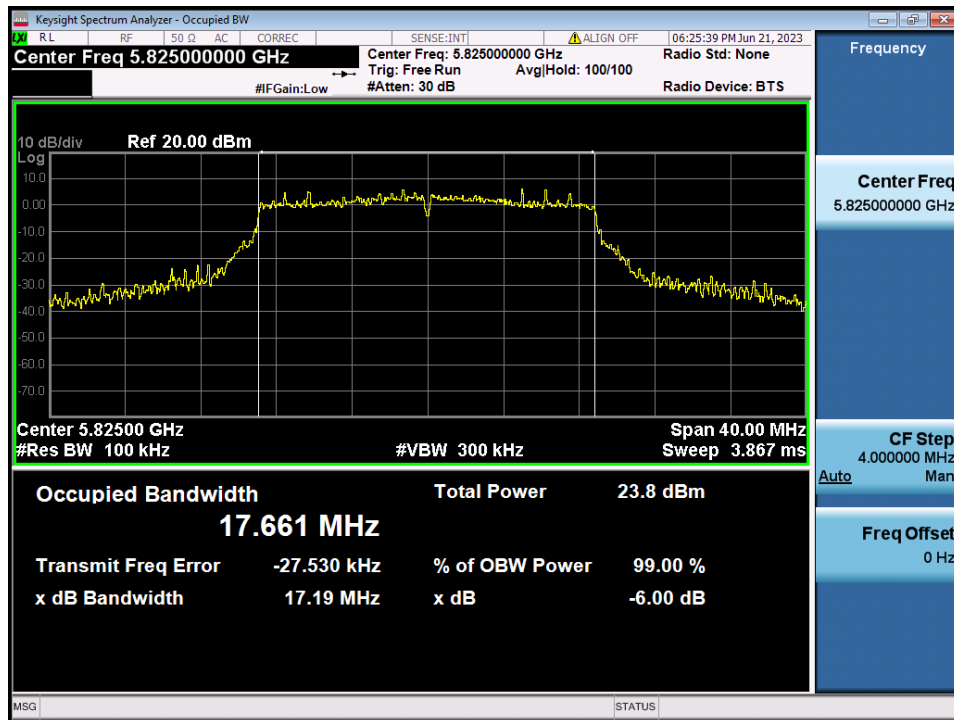
## 6 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.157



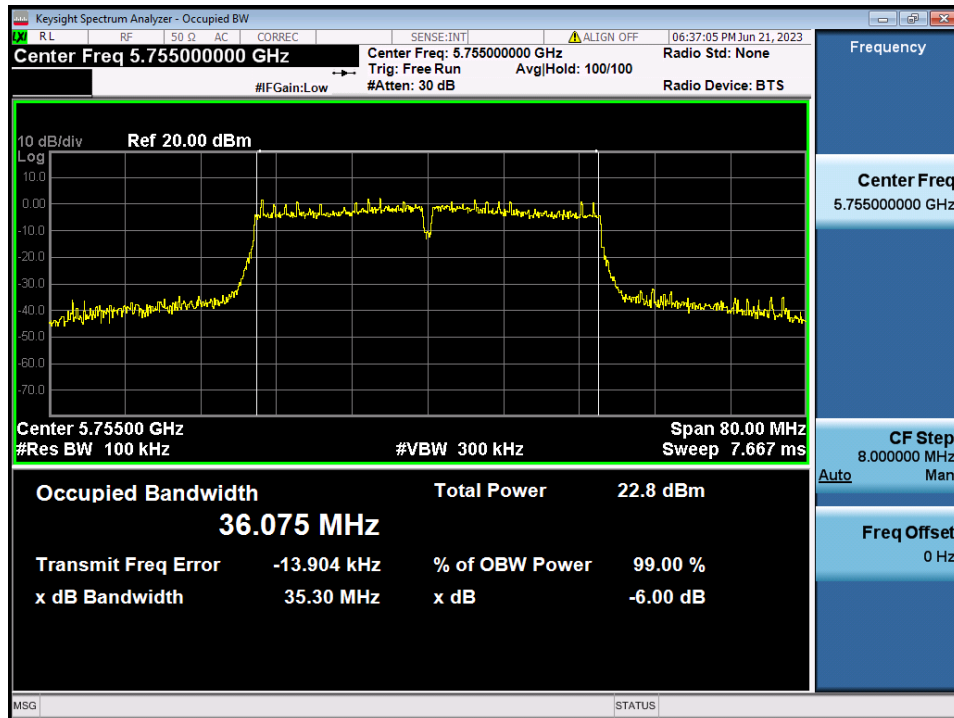
6 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.165



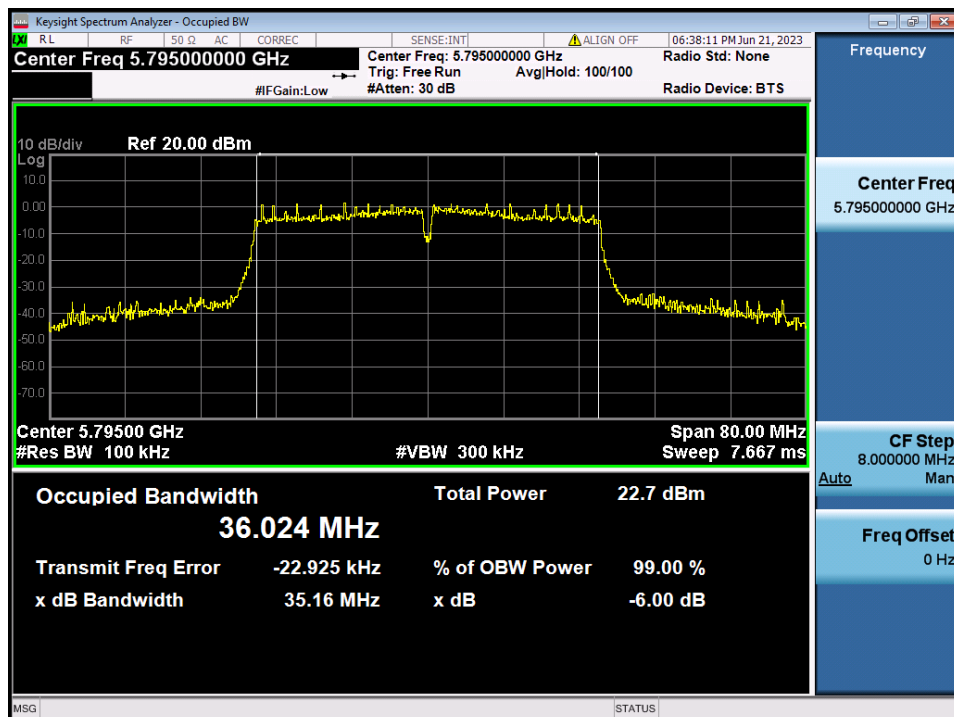
## 6 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.151



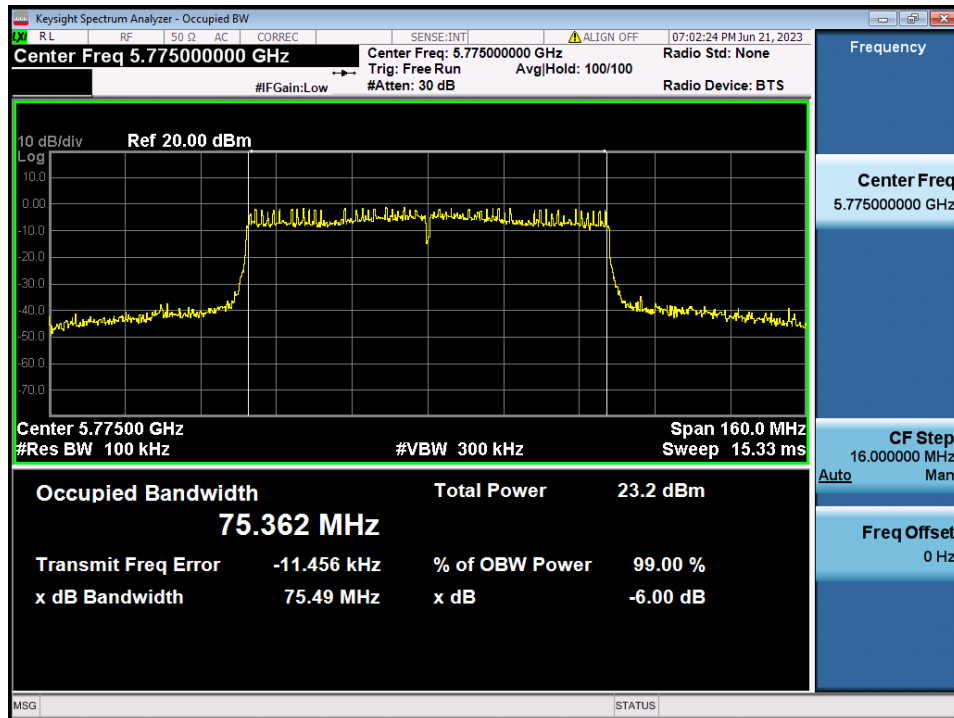
## 6 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.159



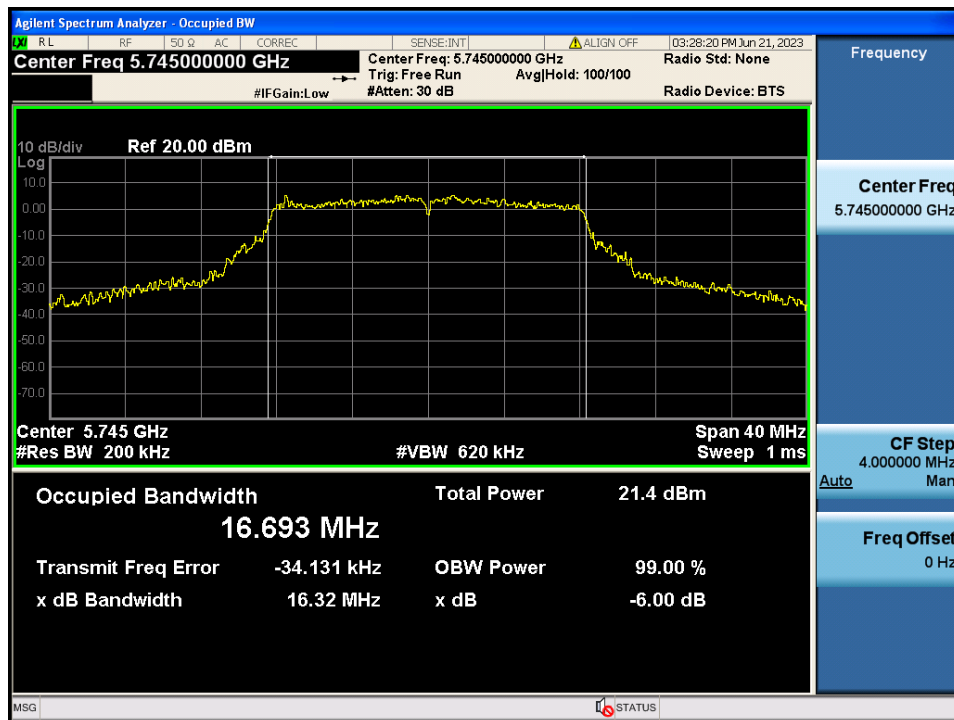
6 dB Bandwidth

Test Mode: TM 4 & ANT 2 & Ch.155



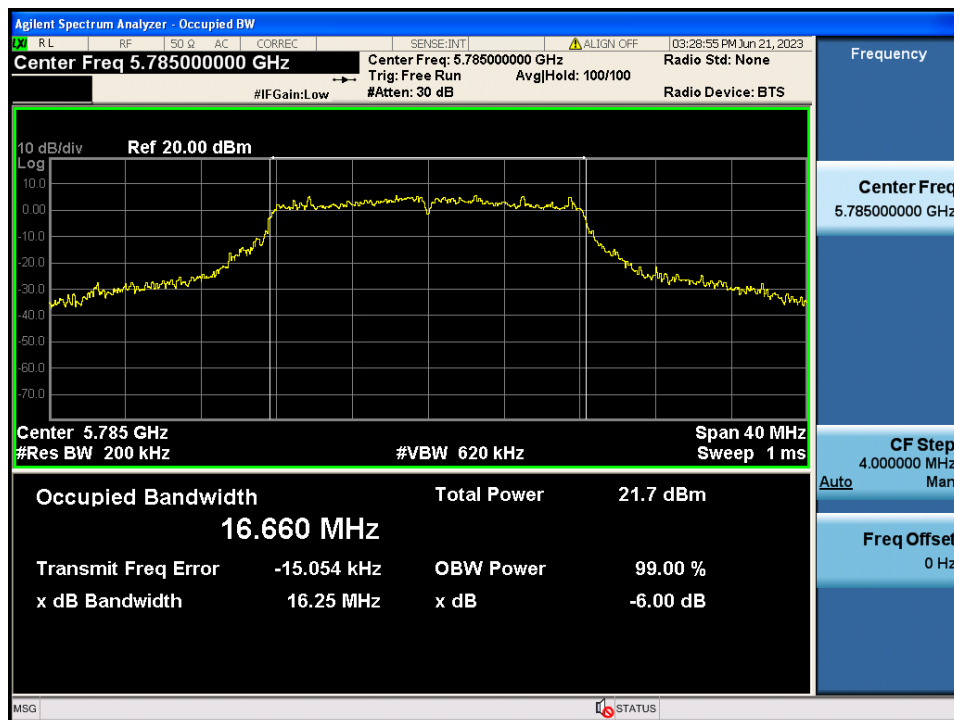
## Occupied Bandwidth

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.149



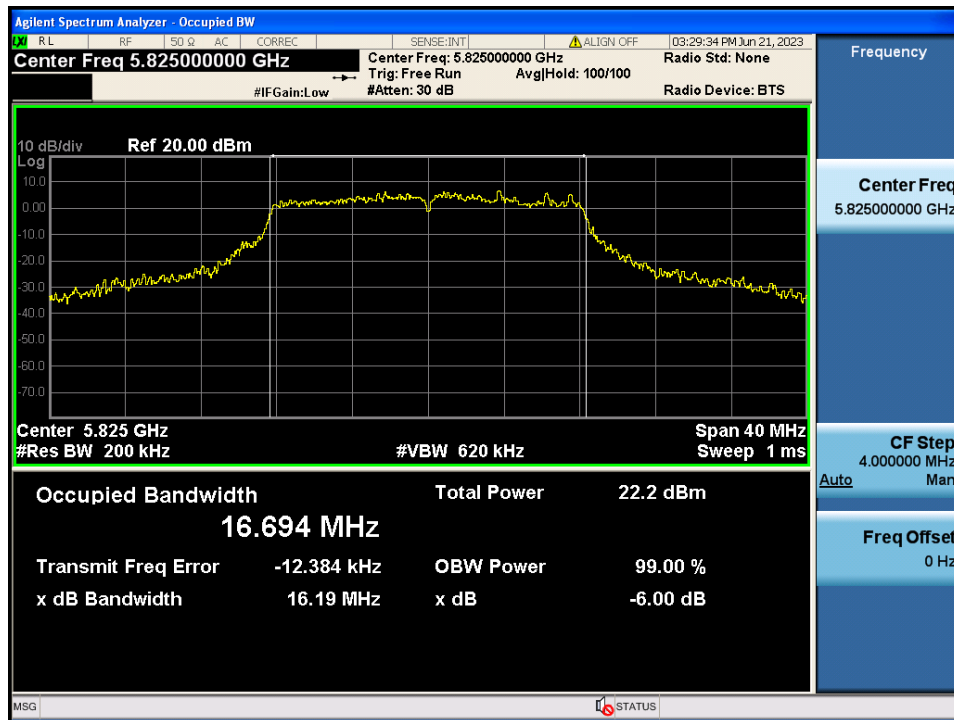
## Occupied Bandwidth

Test Mode: TM 1 &amp; ANT 1 &amp; Ch.157



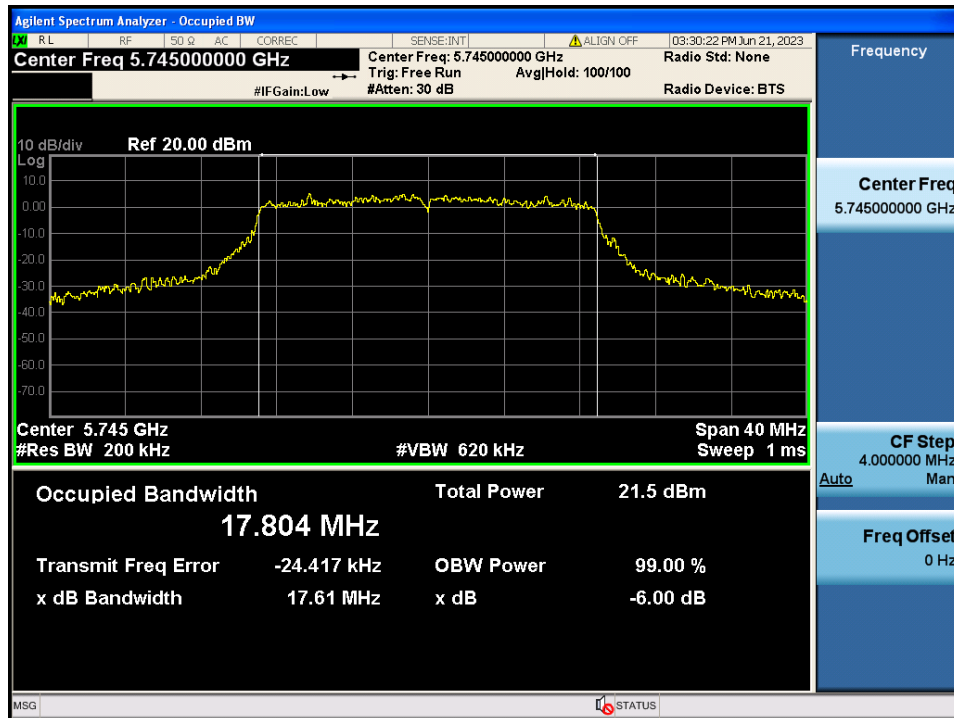
## Occupied Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.165



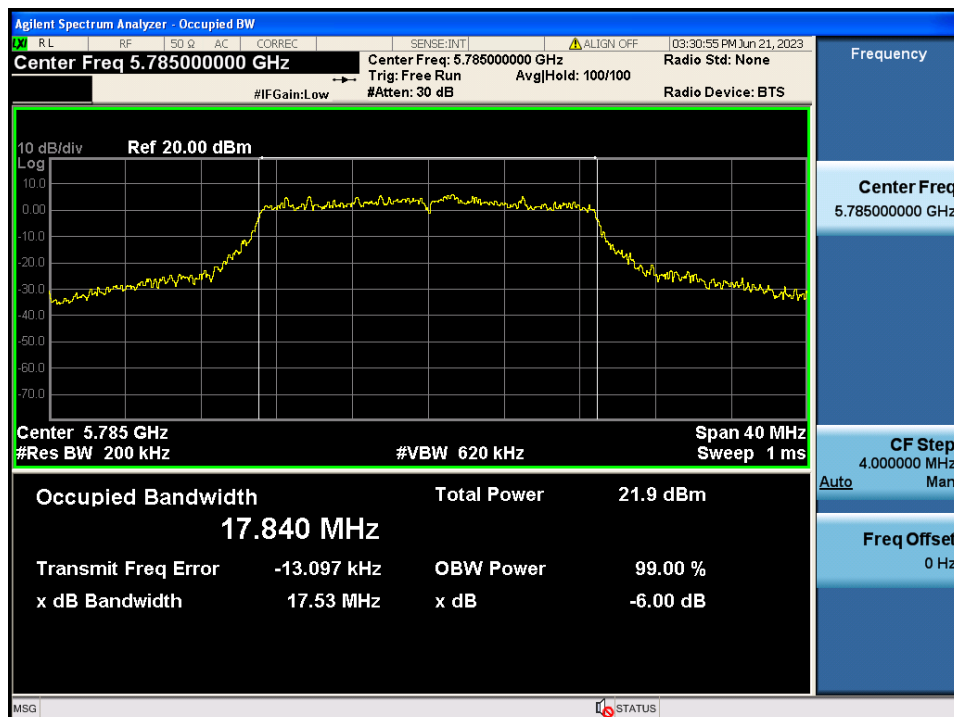
## Occupied Bandwidth

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.149



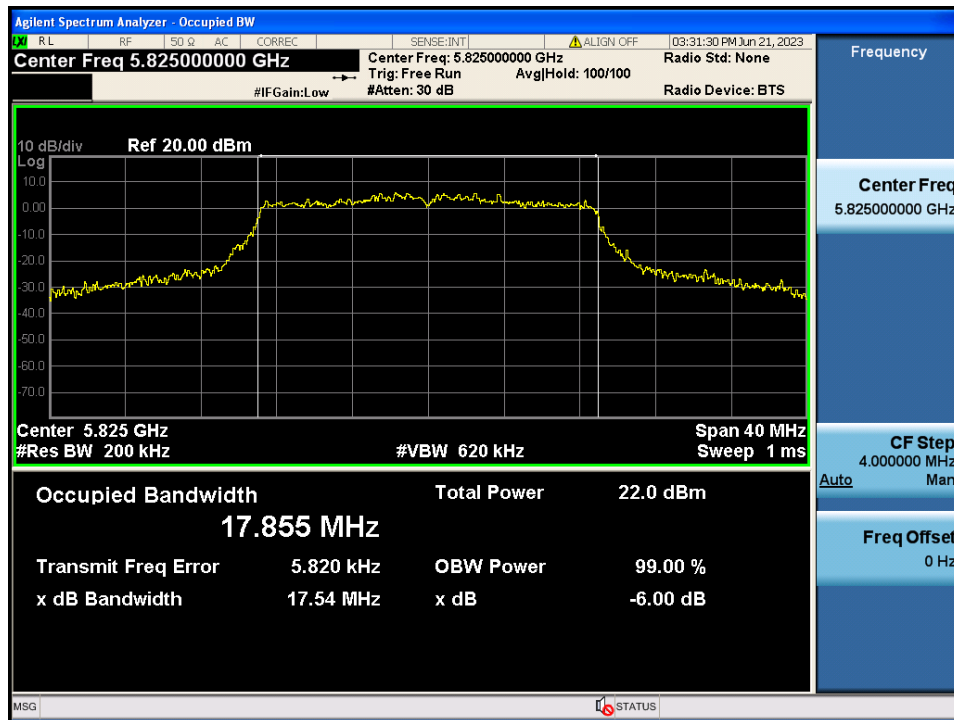
## Occupied Bandwidth

Test Mode: TM 2 &amp; ANT 1 &amp; Ch.157



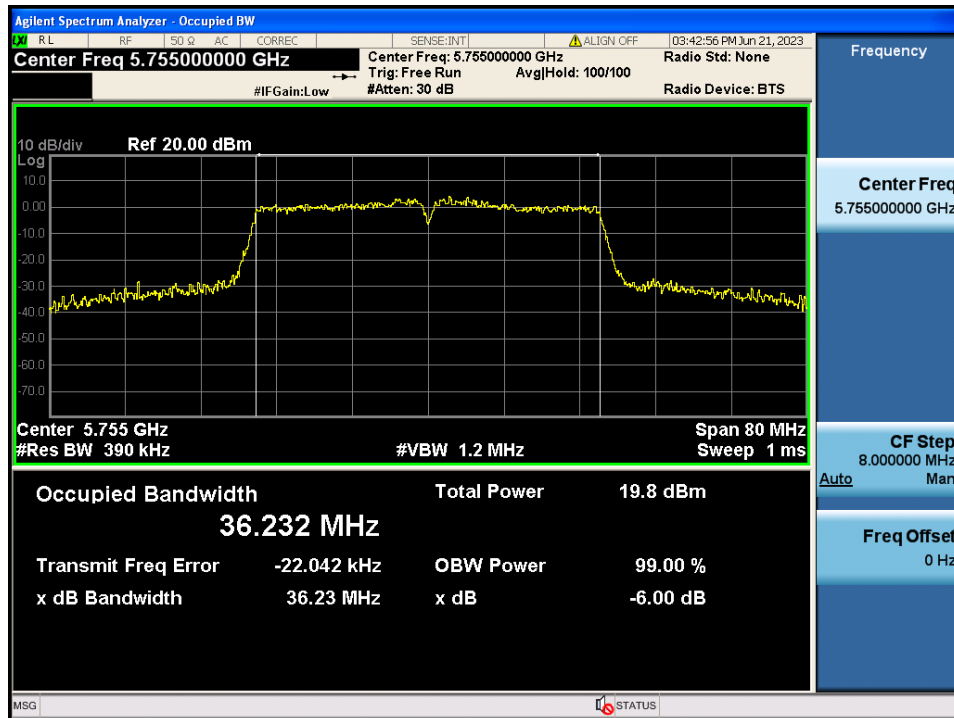
## Occupied Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.165



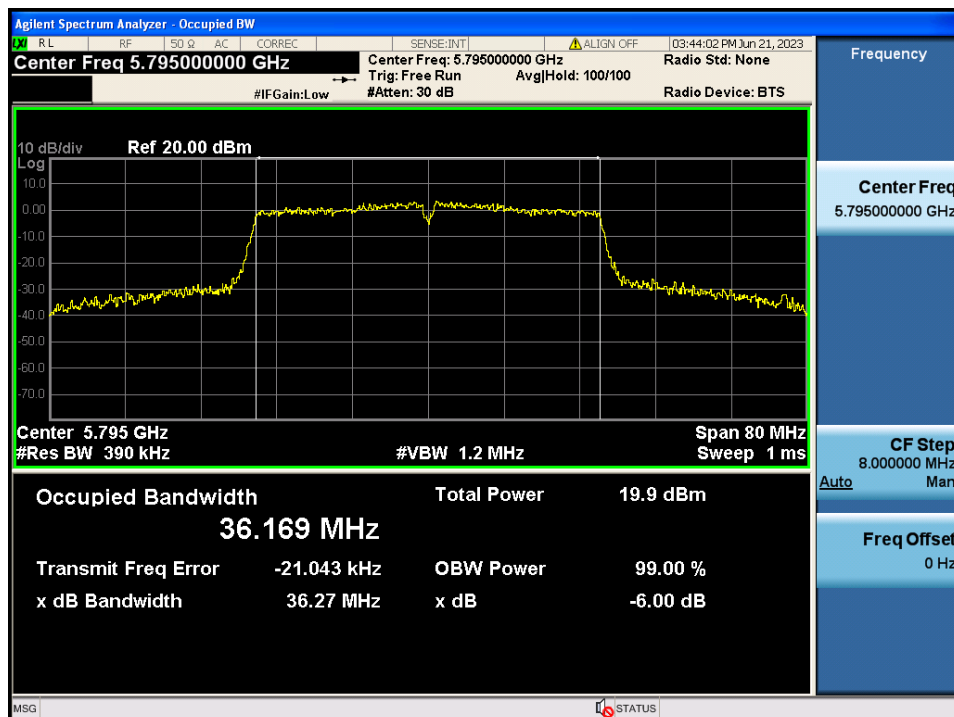
## Occupied Bandwidth

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.151



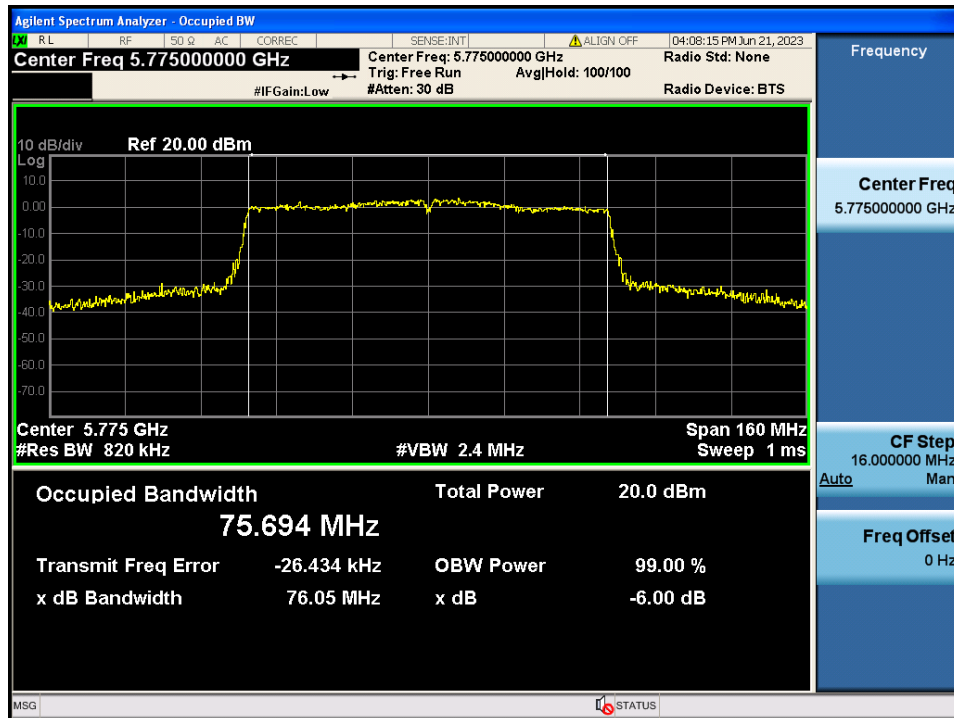
## Occupied Bandwidth

Test Mode: TM 3 &amp; ANT 1 &amp; Ch.159



## Occupied Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.155



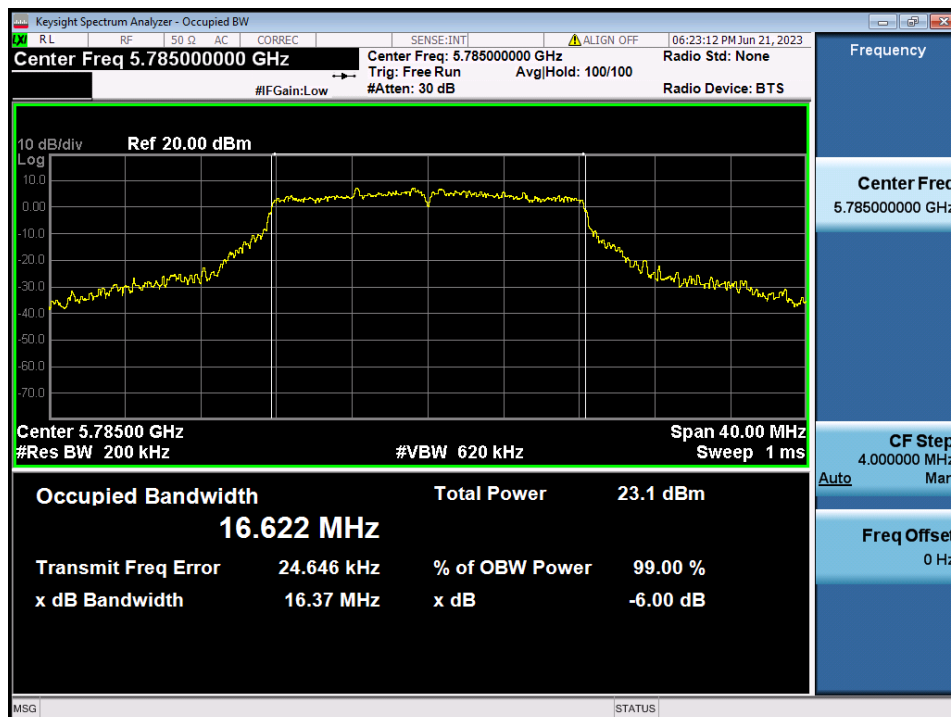
## Occupied Bandwidth

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.149



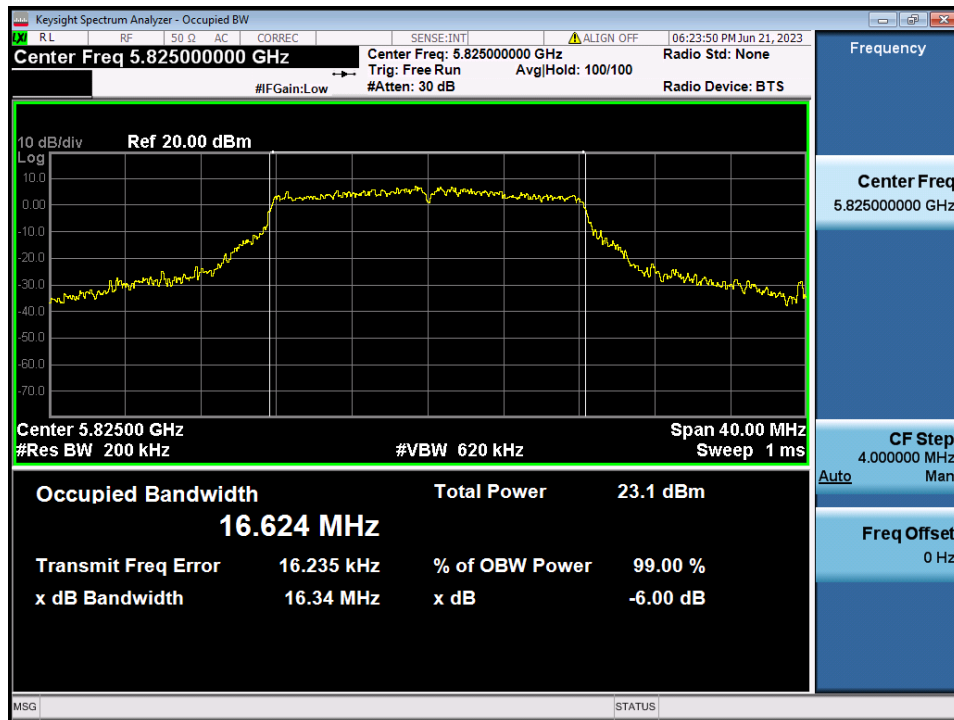
## Occupied Bandwidth

Test Mode: TM 1 &amp; ANT 2 &amp; Ch.157



## Occupied Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.165



## Occupied Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.149



## Occupied Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.157

