

# FCC Test Report

Report No.: AGC02180220301FE03

**FCC ID** : 2A400HK606F  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : Sports wireless speaker with light show  
**BRAND NAME** : HaiSound  
**MODEL NAME** : HK606, HK606F  
**APPLICANT** : Shenzhen Haike Innovation Electronics Co., Ltd.  
**DATE OF ISSUE** : Mar. 29, 2022  
**STANDARD(S)** : FCC Part 15.247  
**REPORT VERSION** : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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### REPORT REVISE RECORD

| Report Version | Revise Time | Issued Date   | Valid Version | Notes           |
|----------------|-------------|---------------|---------------|-----------------|
| V1.0           | /           | Mar. 29, 2022 | Valid         | Initial Release |

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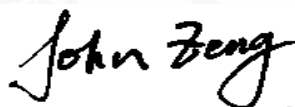
## 1. VERIFICATION OF CONFORMITY

|                                  |  |
|----------------------------------|--|
| <b>Applicant</b>                 | Shenzhen Haike Innovation Electronics Co., Ltd.  |
| <b>Address</b>                   | Block B, Bai Fuli Industrial Zone Hua Hui Road, Dalang Street, Long Hua District, Shenzhen City, China |
| <b>Manufacturer</b>              | Shenzhen Haike Innovation Electronics Co., Ltd.  |
| <b>Address</b>                   | Block B, Bai Fuli Industrial Zone Hua Hui Road, Dalang Street, Long Hua District, Shenzhen City, China |
| <b>Factory</b>                   | Shenzhen Haike Innovation Electronics Co., Ltd.  |
| <b>Address</b>                   | Block B, Bai Fuli Industrial Zone Hua Hui Road, Dalang Street, Long Hua District, Shenzhen City, China |
| <b>Product Designation</b>       | Sports wireless speaker with light show  |
| <b>Brand Name</b>                | HaiSound   |
| <b>Test Model</b>                | HK606  |
| <b>Series Model</b>              | HK606F   |
| <b>Declaration of Difference</b> | All the same except for the difference is the lighting effect  |
| <b>Date of test</b>              | Mar. 02, 2022 to Mar. 29, 2022   |
| <b>Deviation</b>                 | No any deviation from the test method  |
| <b>Condition of Test Sample</b>  | Normal   |
| <b>Test Result</b>               | Pass   |
| <b>Report Template</b>           | AGCRT-US-BR/RF   |

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC PART 15.247.

Prepared By



John Zeng  
(Project Engineer)

Mar. 29, 2022

Reviewed By



Calvin Liu  
(Reviewer)

Mar. 29, 2022

Approved By



Max Zhang  
(Authorized Officer)

Mar. 29, 2022

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## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as “Sports wireless speaker with light show”. It is designed by way of utilizing the GFSK, Pi/4 DQPSK and 8DPSK technology to achieve the system operation.

A major technical description of EUT is described as following

|                     |   |
|---------------------|---|
| Operation Frequency | 2.402GHz to 2.480GHz  |
| RF Output Power     | -1.462dBm (Max)   |
| Bluetooth Version   | V5.3  |
| Modulation          | BR <input checked="" type="checkbox"/> GFSK, EDR <input checked="" type="checkbox"/> π /4-DQPSK, <input checked="" type="checkbox"/> 8DPSK<br>BLE <input type="checkbox"/> GFSK 1Mbps <input type="checkbox"/> GFSK 2Mbps |
| Number of channels  | 79 Channels   |
| Hardware Version    | V1.0  |
| Software Version    | V1.0  |
| Antenna Designation | PCB Antenna (Comply with requirements of the FCC part 15.203)   |
| Antenna Gain        | -0.58dBi  |
| Power Supply        | DC 3.7V by battery or DC 5V by adapter  |

### 2.2. TABLE OF CARRIER FREQUENCIES

| Frequency Band | Channel Number | Frequency |
|----------------|----------------|-----------|
| 2402~2480MHz   | 0              | 2402 MHz  |
|                | 1              | 2403 MHz  |
|                | :              | :         |
|                | 38             | 2440 MHz  |
|                | 39             | 2441 MHz  |
|                | 40             | 2442 MHz  |
|                | :              | :         |
|                | 77             | 2479 MHz  |
|                | 78             | 2480 MHz  |

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### 2.3. RECEIVER INPUT BANDWIDTH

The input bandwidth of the receiver is 1.3MHz, in every connection one Bluetooth device is the master and the other one is slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally, the type of connection (e.g. single or multi slot packet) is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also, the slave of the connection will use these settings. Repeating of a packet has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means, a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

### 2.4. EXAMPLE OF A HOPPING SEQUENCY IN DATA MODE

Example of a hopping sequence in data mode:

40, 21, 44, 23, 04, 15, 66, 56, 19, 78, 07, 28, 69, 55,  
36, 45, 05, 13, 43, 74, 57, 35, 67, 76, 02, 34, 54, 63,  
42, 11, 30, 06, 64, 25, 75, 48, 17, 33, 58, 01, 29, 14,  
51, 72, 03, 31, 50, 61, 77, 18, 10, 47, 12, 68, 08, 49,  
20, 00, 73, 09, 16, 60, 71, 41, 24, 53, 38, 26, 46, 37,  
65, 32, 70, 52, 27, 59, 22, 62, 39

### 2.5. EQUALLY AVERAGE USE OF FREQUENCIES AND BEHAVIOUR

The generation of the hopping sequence in connection mode depends essentially on two input values:

1. LAP/UAP of the master of the connection.
2. Internal master clock.

The LAP (lower address part) are the 24 LSB's of the 48 BD\_ADDRESS. The BD\_ADDRESS is an unambiguous number of every Bluetooth unit. The UAP (upper address part) are the 24MSB's of the 48BD\_ADDRESS

The internal clock of a Bluetooth unit is derived from a free running clock which is never adjusted and is never turned off. For behavior action with other units only offset is used. It has no relation to the time of the day. Its resolution is at least half the RX/TX slot length of 312.5us. The clock has a cycle of about one day(23h30). In most case it is implemented as 28 bits counter. For the deriving of the hopping sequence the entire. LAP (24 bits),4LSB's(4bits) (Input 1) and the 27MSB's of the clock (Input 2) are used. With this input values different mathematical procedures (permutations, additions, XOR-operations) are performed to generate the Sequence. This will be done at the beginning of every new transmission.

Regarding short transmissions the Bluetooth system has the following behavior:

The first connection between the two devices is established, a hopping sequence was generated. For Transmitting the wanted data the complete hopping sequence was not used. The connection ended.

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The second connection will be established. A new hopping sequence is generated. Due to the fact the Bluetooth clock has a different value, because the period between the two transmission is longer (and it Cannot be shorter) than the minimum resolution of the clock(312.5us). The hopping sequence will always differ from the first one.

## 2.6. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2A400HK606F** filing to comply with the FCC PART 15.247 requirements.

## 2.7. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

## 2.8. SPECIAL ACCESSORIES

Refer to section 5.2.

## 2.9. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

## 2.10. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

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### 3. MEASUREMENT UNCERTAINTY

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

| Item  | Measurement Uncertainty    |
|---|----------------------------|
| Uncertainty of Conducted Emission for AC Port | $U_c = \pm 2.9 \text{ dB}$ |
| Uncertainty of Radiated Emission below 1GHz   | $U_c = \pm 3.8 \text{ dB}$ |
| Uncertainty of Radiated Emission above 1GHz   | $U_c = \pm 4.4 \text{ dB}$ |
| Uncertainty of total RF power, conducted      | $U_c = \pm 0.8 \text{ dB}$ |
| Uncertainty of RF power density, conducted    | $U_c = \pm 2.6 \text{ dB}$ |
| Uncertainty of spurious emissions, conducted  | $U_c = \pm 2 \%$           |
| Uncertainty of Occupied Channel Bandwidth     | $U_c = \pm 2 \%$           |

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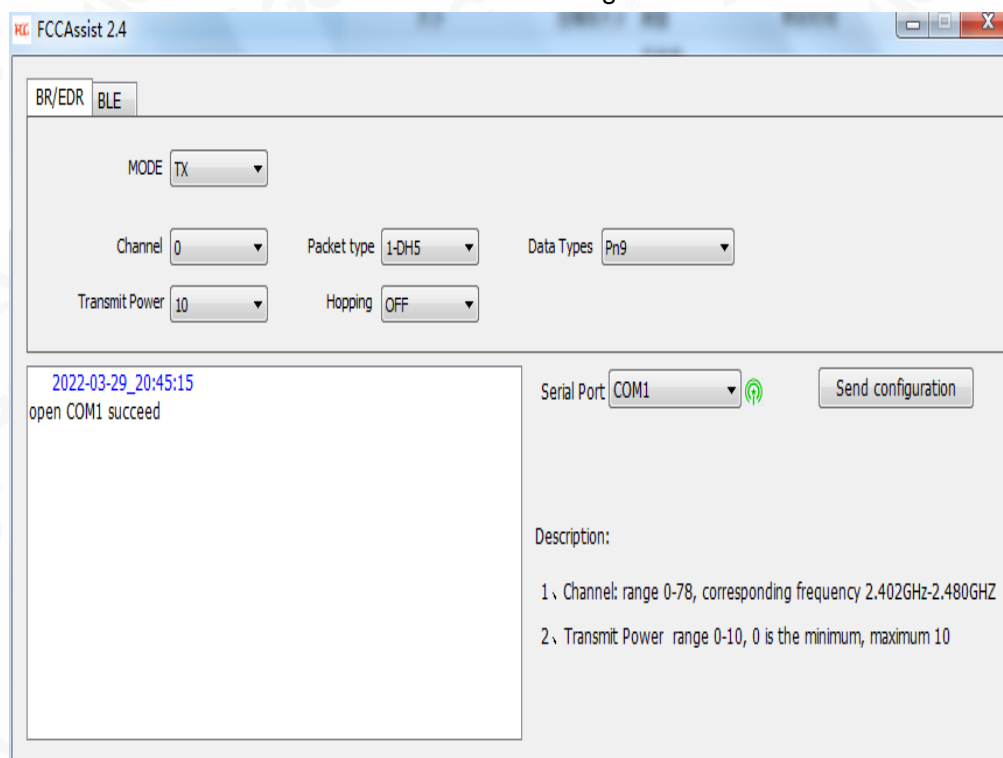


#### 4. DESCRIPTION OF TEST MODES

| NO. | TEST MODE DESCRIPTION         |
|-----|-------------------------------|
| 1   | Low channel GFSK              |
| 2   | Middle channel GFSK           |
| 3   | High channel GFSK             |
| 4   | Low channel $\pi/4$ -DQPSK    |
| 5   | Middle channel $\pi/4$ -DQPSK |
| 6   | High channel $\pi/4$ -DQPSK   |
| 7   | Low channel 8DPSK             |
| 8   | Middle channel 8DPSK          |
| 9   | High channel 8DPSK            |
| 10  | Hopping mode GFSK             |
| 11  | Hopping mode $\pi/4$ -DQPSK   |
| 12  | Hopping mode 8DPSK            |

- Note: 1. Only the result of the worst case was recorded in the report, if no other cases.  
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.  
3. For Conducted Test method, a temporary antenna connector is provided by the manufacture.

#### Software Setting



The screenshot shows the FCCAssist 2.4 software interface. The 'BR/EDR' tab is selected. The settings are as follows:

- MODE: TX
- Channel: 0
- Packet type: 1-DH5
- Data Types: Pn9
- Transmit Power: 10
- Hopping: OFF

The Serial Port is set to COM1. A message indicates '2022-03-29\_20:45:15 open COM1 succeed'. A 'Send configuration' button is visible. The Description section lists:

- Channel: range 0-78, corresponding frequency 2.402GHz-2.480GHz
- Transmit Power: range 0-10, 0 is the minimum, maximum 10

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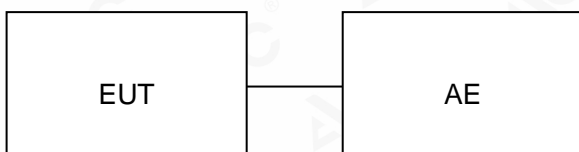
## 5. SYSTEM TEST CONFIGURATION

### 5.1. CONFIGURATION OF EUT SYSTEM

Radiated Emission Configure:



Conducted Emission Configure:



### 5.2. EQUIPMENT USED IN TESTED SYSTEM

| Item | Equipment                               | Model No.   | ID or Specification | Remark    |
|------|---|-------------|---------------------|-----------|
| 1    | Sports wireless speaker with light show | HK606       | 2A4OOHK606F         | EUT       |
| 2    | Control Box                             | USB-TTL     | N/A                 | AE        |
| 3    | Charger line                            | N/A         | 1.0m unshielded     | Accessory |
| 4    | Adapter                                 | XCMS03-0510 | DC 5V               | AE        |

### 5.3. SUMMARY OF TEST RESULTS

| FCC RULES          | DESCRIPTION OF TEST         | RESULT    |
|--------------------|-----------------------------|-----------|
| 15.247 (b)(1)      | Peak Output Power           | Compliant |
| 15.247 (a)(1)      | 20 dB Bandwidth             | Compliant |
| 15.247 (d)         | Conducted Spurious Emission | Compliant |
| 15.209             | Radiated Emission           | Compliant |
| 15.247 (a)(1)(iii) | Number of Hopping Frequency | Compliant |
| 15.247 (a)(1)(iii) | Time of Occupancy           | Compliant |
| 15.247 (a)(1)      | Frequency Separation        | Compliant |
| 15.207             | Conducted Emission          | Compliant |

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## 6. TEST FACILITY

|  |  |
|--|--|
| <b>Test Site</b>                         | Attestation of Global Compliance (Shenzhen) Co., Ltd   |
| <b>Location</b>                          | 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China |
| <b>Designation Number</b>                | CN1259   |
| <b>FCC Test Firm Registration Number</b> | 975832   |
| <b>A2LA Cert. No.</b>                    | 5054.02  |
| <b>Description</b>                       | Attestation of Global Compliance (Shenzhen) Co., Ltd is accredited by A2LA   |

### TEST EQUIPMENT OF CONDUCTED EMISSION TEST

| Equipment                | Manufacturer | Model                    | S/N    | Cal. Date     | Cal. Due      |
|--------------------------|--------------|--------------------------|--------|---------------|---------------|
| Test Receiver            | R&S          | ESPI                     | 101206 | May.11, 2021  | May.10, 2022  |
| Artificial power network | R&S          | ESH2-Z5                  | 100086 | Jun. 09, 2021 | Jun. 08, 2022 |
| Test Software            | FARA         | EZ-EMC(Ver. AGC-CON03A1) | N/A    | N/A           | N/A           |

### TEST EQUIPMENT OF RADIATED EMISSION TEST

| Equipment                      | Manufacturer   | Model              | S/N        | Cal. Date     | Cal. Due      |
|--------------------------------|----------------|--------------------|------------|---------------|---------------|
| Test Receiver                  | R&S            | ESCI               | 100034     | Sep. 06, 2021 | Sep. 05, 2022 |
| EXA Signal Analyzer            | Aglient        | N9010A             | MY53470504 | Nov. 17, 2021 | Nov. 16, 2022 |
| 2.4GHz Filter                  | EM Electronics | N/A                | N/A        | Mar. 23, 2020 | Mar. 22, 2022 |
| 2.4GHz Filter                  | EM Electronics | N/A                | N/A        | Mar. 18, 2022 | Mar. 19, 2024 |
| Attenuator                     | ZHINAN         | E-002              | N/A        | Sep. 03, 2020 | Sep. 02, 2022 |
| Horn Antenna                   | SCHWARZBECK    | BBHA9170           | 768        | Oct. 31, 2021 | Oct. 30, 2023 |
| Active loop antenna (9K-30MHz) | ZHINAN         | ZN30900C           | 18051      | May 22, 2020  | May 21, 2022  |
| preamplifier                   | ChengYi        | EMC184045SE        | 980508     | Oct. 29, 2021 | Oct. 28, 2023 |
| Double-Ridged Waveguide Horn   | ETS LINDGREN   | 3117               | 00154520   | Sep. 06, 2021 | Sep. 05, 2023 |
| Preamplifier Assembly          | ETS LINDGREN   | 3117PA             | 00225134   | Sep. 03, 2020 | Sep. 02, 2022 |
| Wideband Antenna               | SCHWARZBECK    | VULB9168           | D69250     | Apr. 28, 2021 | Apr. 27, 2023 |
| Test Software                  | FARA           | EZ-EMC(Ver.RA-03A) | N/A        | N/A           | N/A           |

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## 7. PEAK OUTPUT POWER

### 7.1. MEASUREMENT PROCEDURE

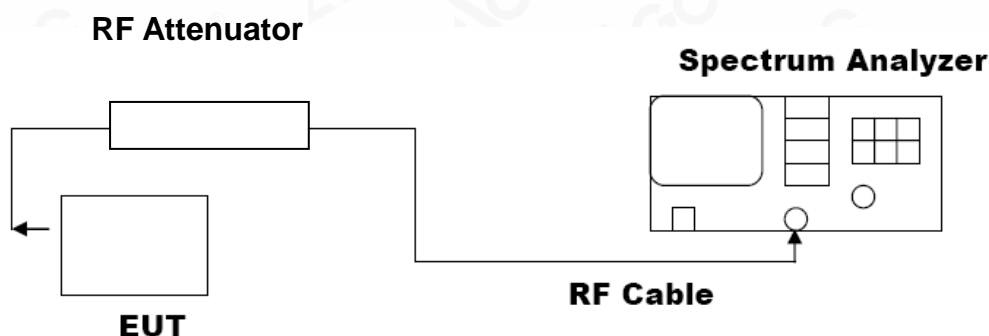
For peak power test:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
3. RBW > 20 dB bandwidth of the emission being measured.
4. VBW  $\geq$  RBW.
5. Sweep: Auto.
6. Detector function: Peak.
7. Trace: Max hold.

Allow trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power, after any corrections for external attenuators and cables.

### 7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

#### PEAK POWER TEST SETUP



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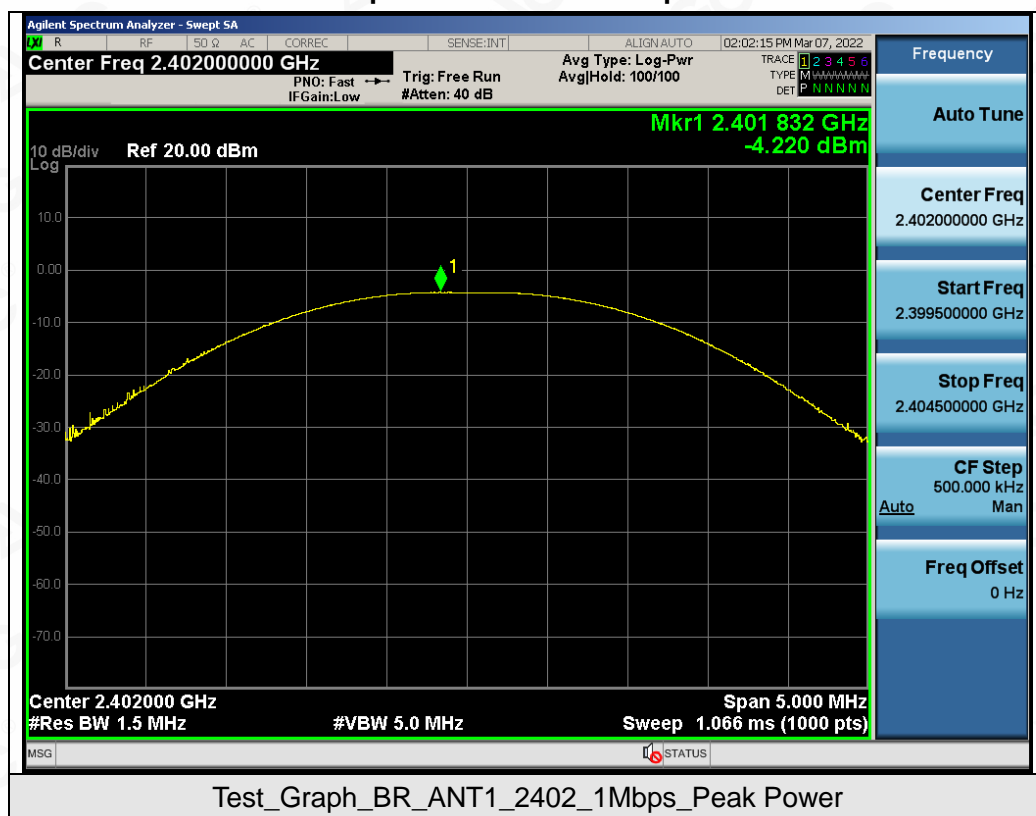
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### 7.3. LIMITS AND MEASUREMENT RESULT

| Test Data of Conducted Output Power |                    |                  |              |              |
|-------------------------------------|--------------------|------------------|--------------|--------------|
| Test Mode                           | Test Channel (MHz) | Peak Power (dBm) | Limits (dBm) | Pass or Fail |
| GFSK                                | 2402               | -4.220           | ≤1           | Pass         |
|                                     | 2441               | -3.452           | ≤1           | Pass         |
|                                     | 2480               | -2.706           | ≤1           | Pass         |
| $\pi/4$ -DQPSK                      | 2402               | -3.423           | ≤1           | Pass         |
|                                     | 2441               | -2.602           | ≤1           | Pass         |
|                                     | 2480               | -1.878           | ≤1           | Pass         |
| 8DPSK                               | 2402               | -3.024           | ≤1           | Pass         |
|                                     | 2441               | -2.228           | ≤1           | Pass         |
|                                     | 2480               | -1.462           | ≤1           | Pass         |

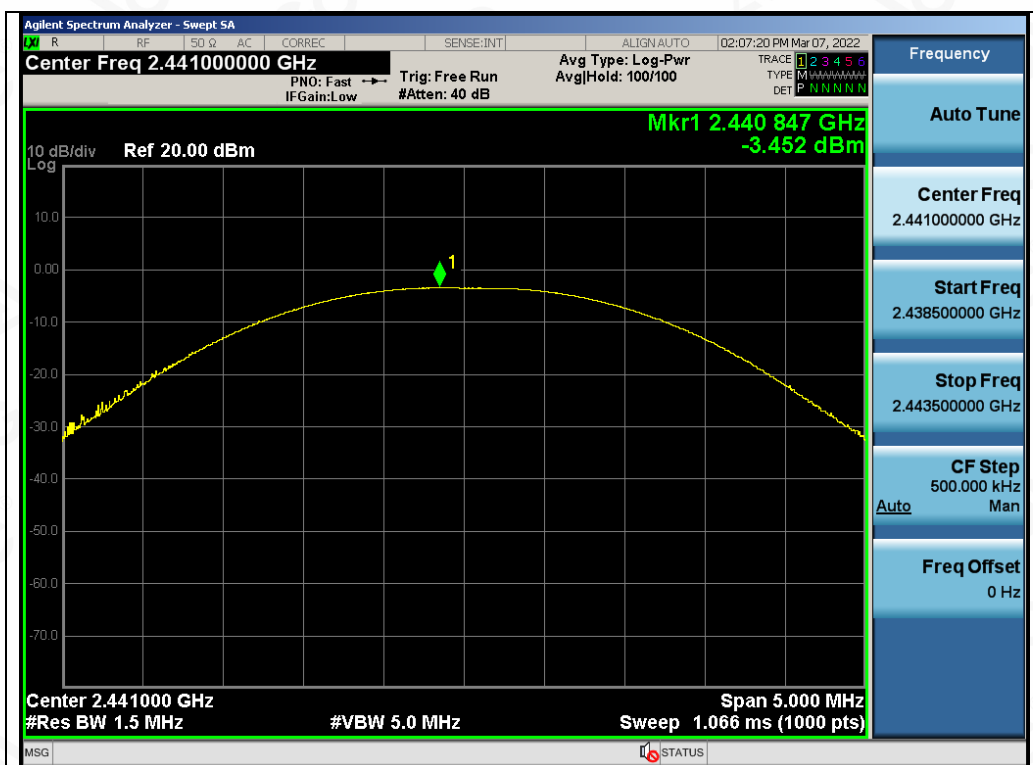
### Test Graphs of Conducted Output Power



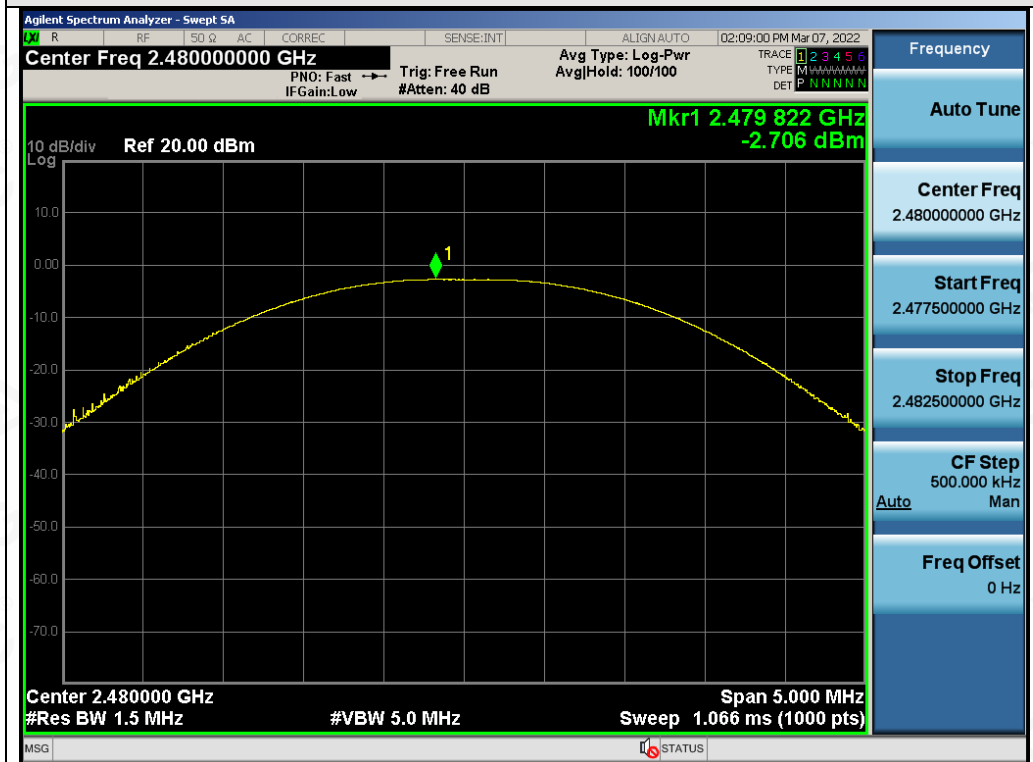
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Test\_Graph\_BR\_ANT1\_2441\_1Mbps\_Peak Power

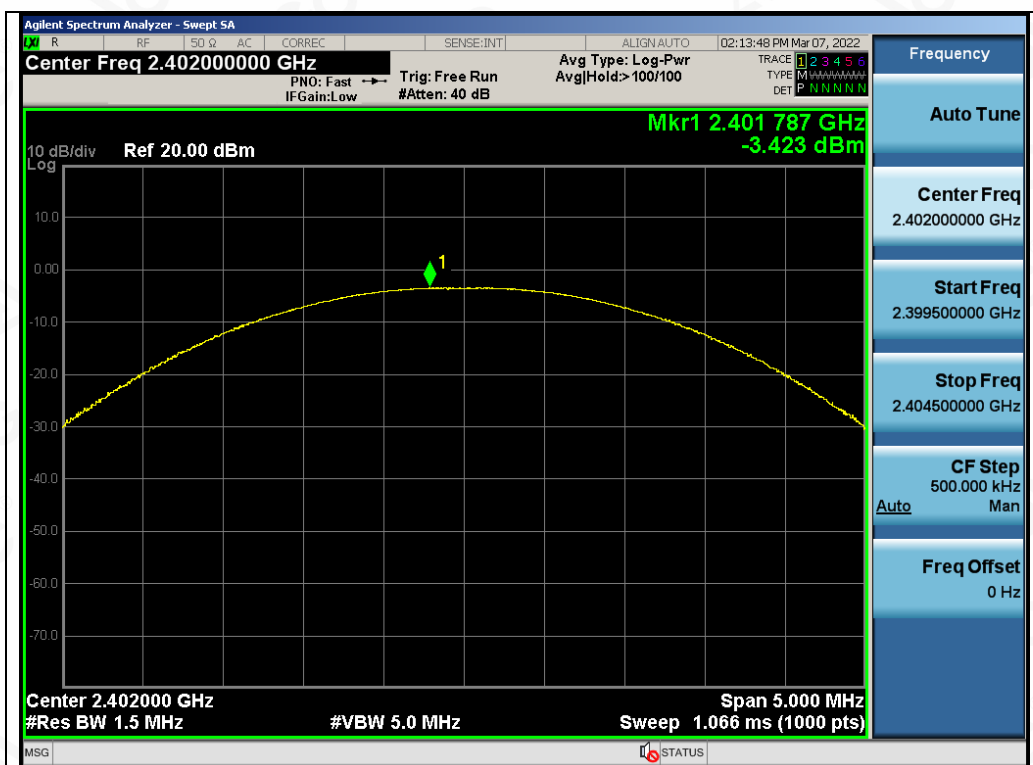


Test\_Graph\_BR\_ANT1\_2480\_1Mbps\_Peak Power

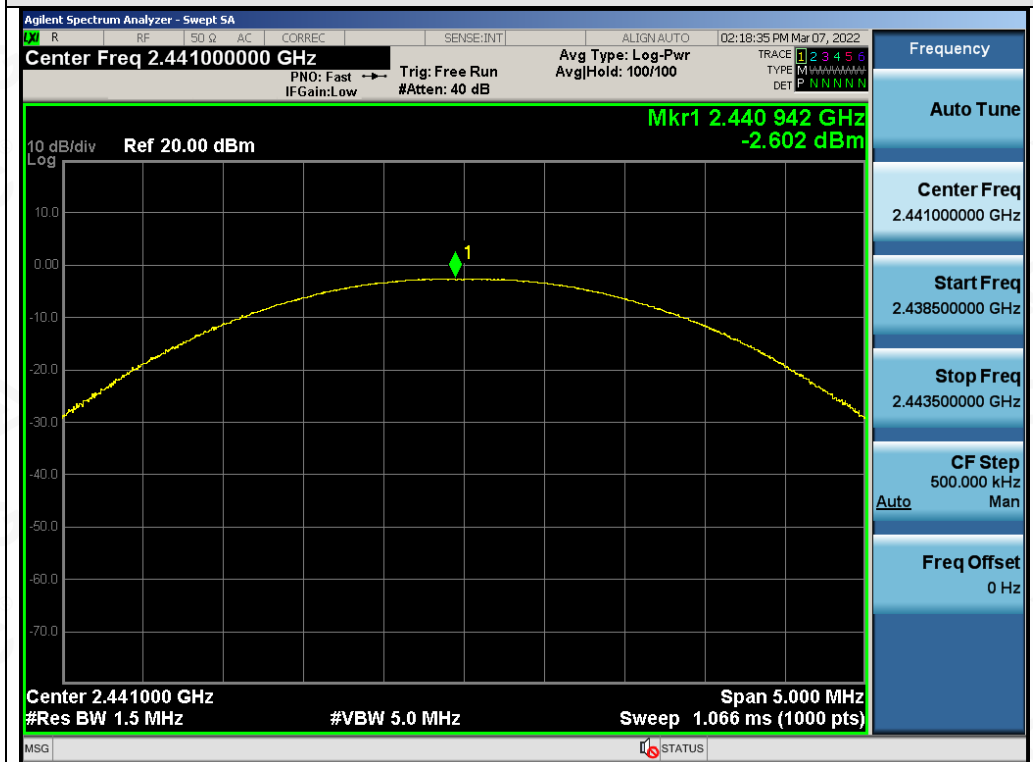
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Test\_Graph\_EDR\_ANT1\_2402\_2Mbps\_Peak Power

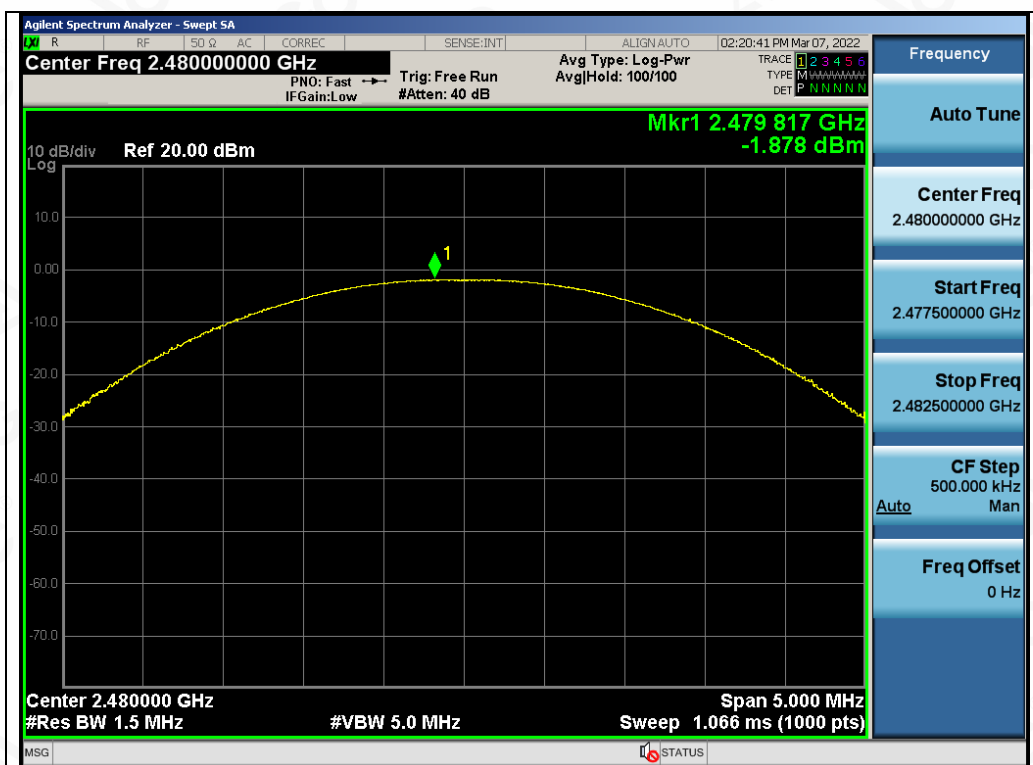


Test\_Graph\_EDR\_ANT1\_2441\_2Mbps\_Peak Power

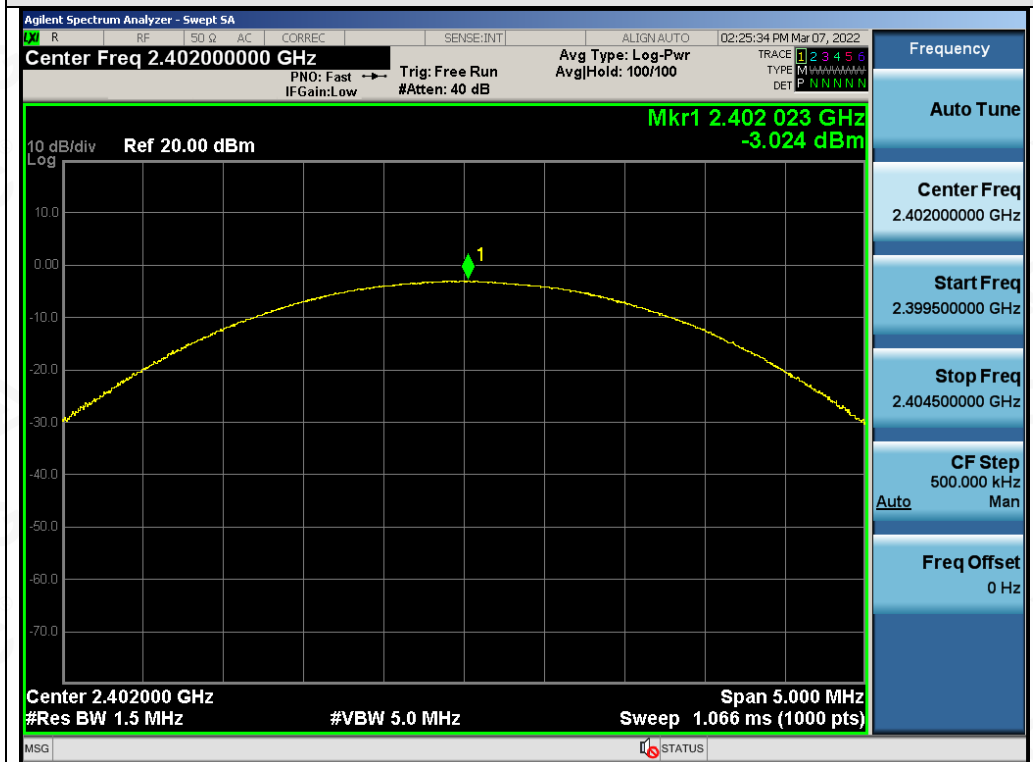
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Test\_Graph\_EDR\_ANT1\_2480\_2Mbps\_Peak Power

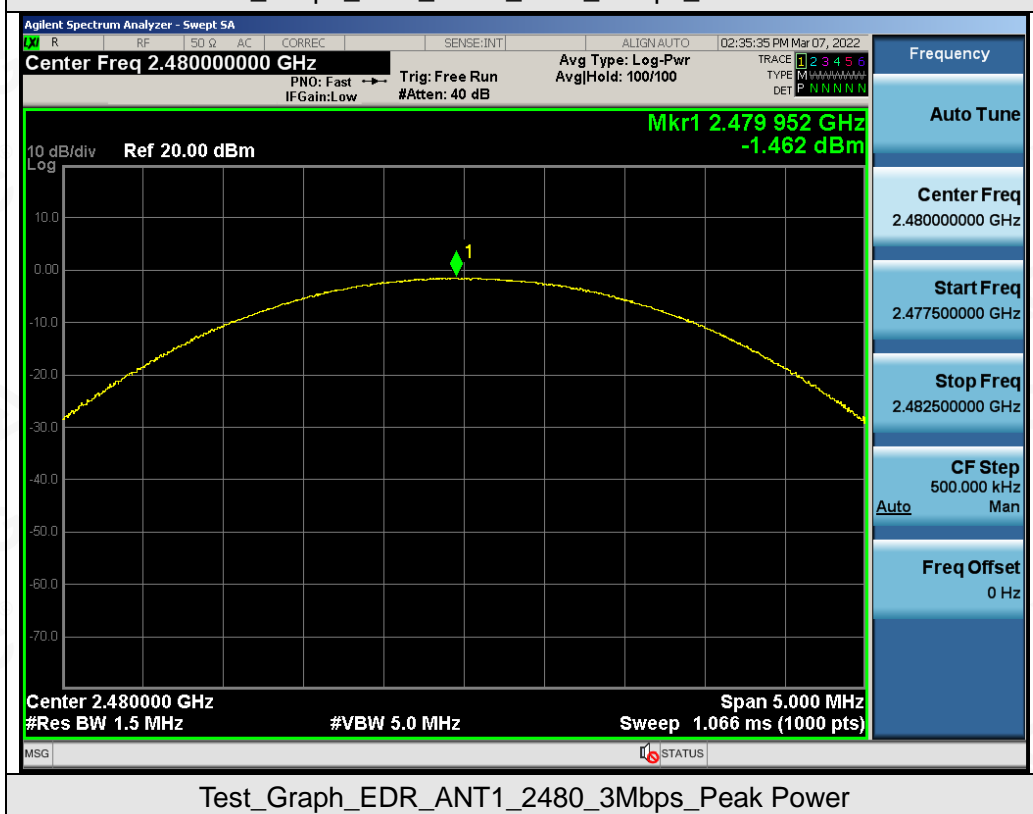
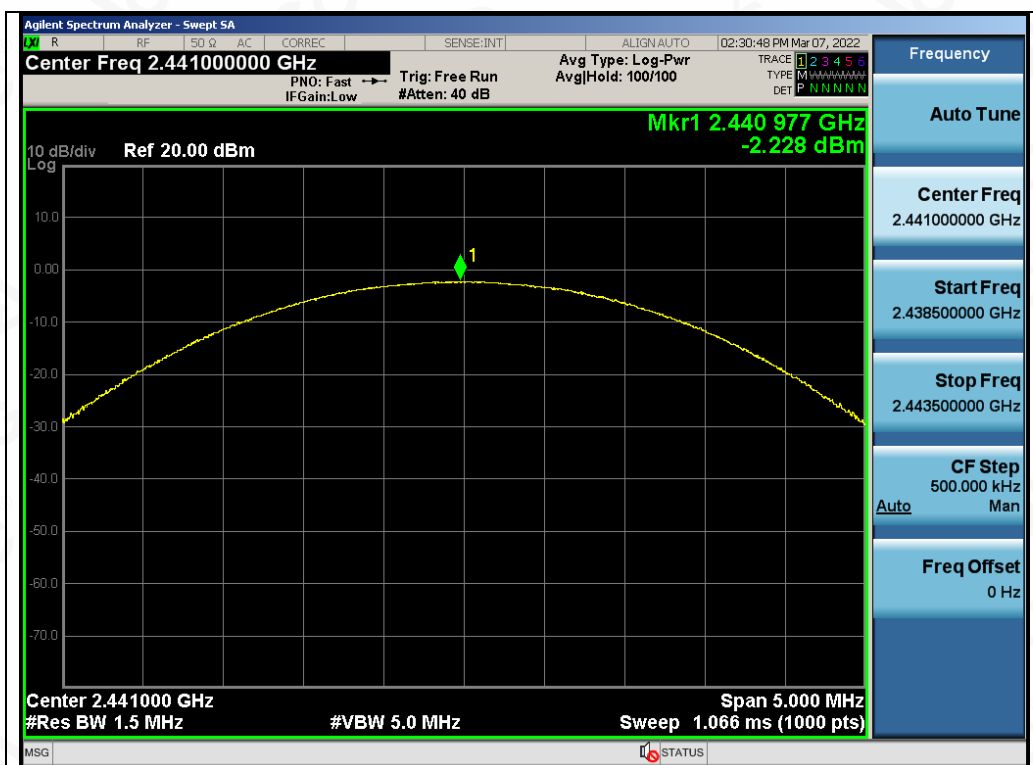


Test\_Graph\_EDR\_ANT1\_2402\_3Mbps\_Peak Power

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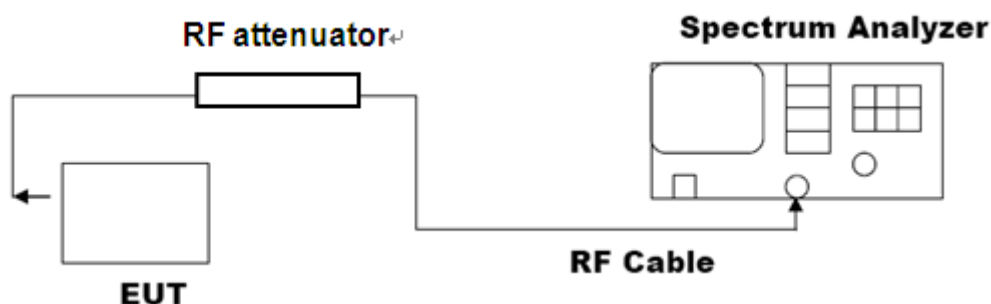


## 8. 20DB BANDWIDTH

### 8.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel  
The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function = peak
4. Set SPA Trace 1 Max hold, then View.

### 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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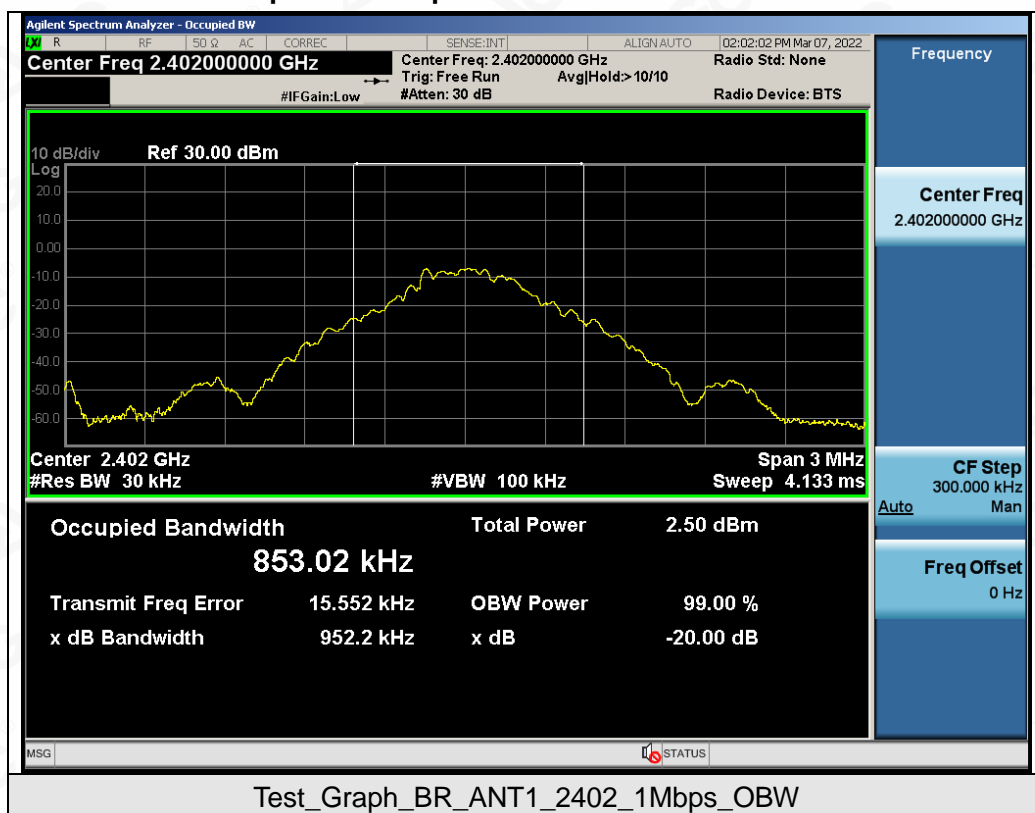
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### 8.3. LIMITS AND MEASUREMENT RESULTS

| Test Data of Occupied Bandwidth and -20dB Bandwidth |                    |                              |                       |        |              |
|---|--------------------|------------------------------|-----------------------|--------|--------------|
| Test Mode   | Test Channel (MHz) | 99% Occupied Bandwidth (MHz) | -20dB Bandwidth (MHz) | Limits | Pass or Fail |
| GFSK  | 2402               | 0.853                        | 0.952                 | N/A    | Pass         |
|   | 2441               | 0.853                        | 0.950                 | N/A    | Pass         |
|   | 2480               | 0.854                        | 0.951                 | N/A    | Pass         |
| $\pi$ /4-DQPSK                                      | 2402               | 1.171                        | 1.303                 | N/A    | Pass         |
|   | 2441               | 1.169                        | 1.279                 | N/A    | Pass         |
|   | 2480               | 1.170                        | 1.280                 | N/A    | Pass         |
| 8DPSK   | 2402               | 1.176                        | 1.294                 | N/A    | Pass         |
|   | 2441               | 1.177                        | 1.293                 | N/A    | Pass         |
|   | 2480               | 1.177                        | 1.294                 | N/A    | Pass         |

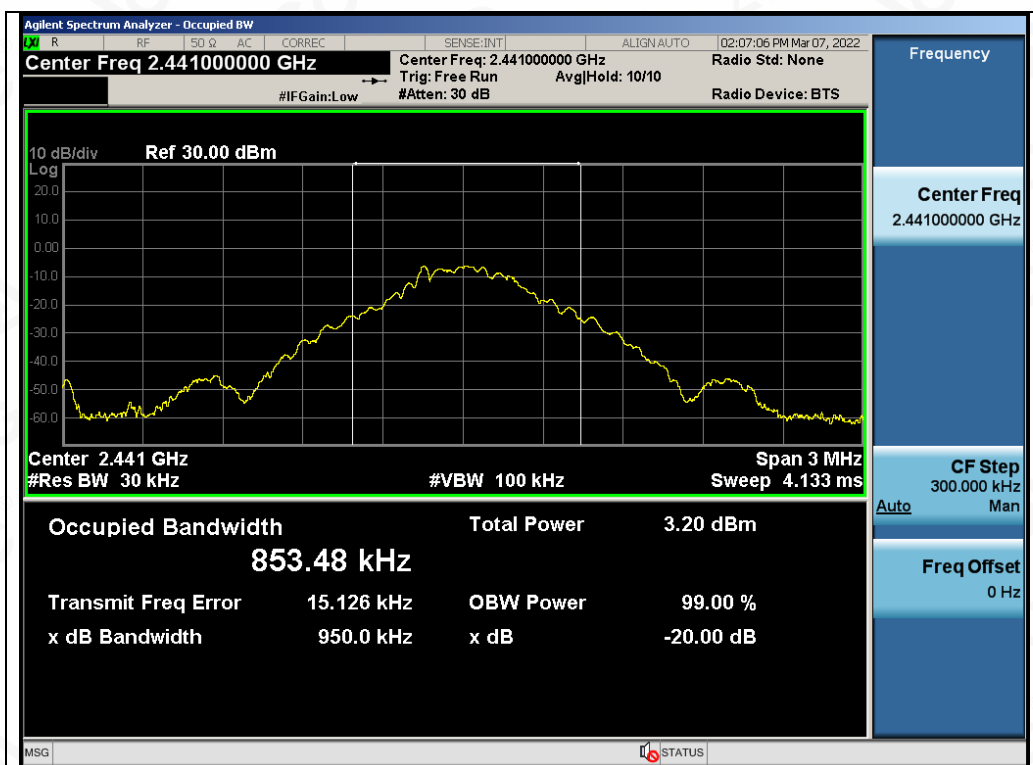
Test Graphs of Occupied Bandwidth and -20 Bandwidth



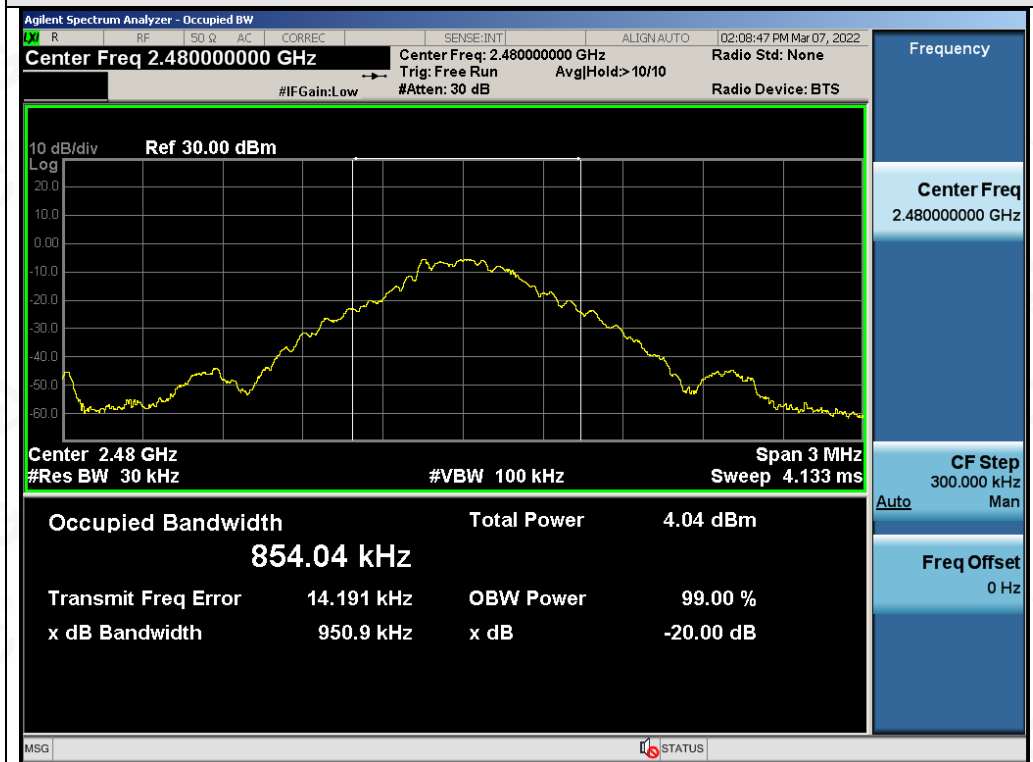
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Test\_Graph\_BR\_ANT1\_2441\_1Mbps\_OBW

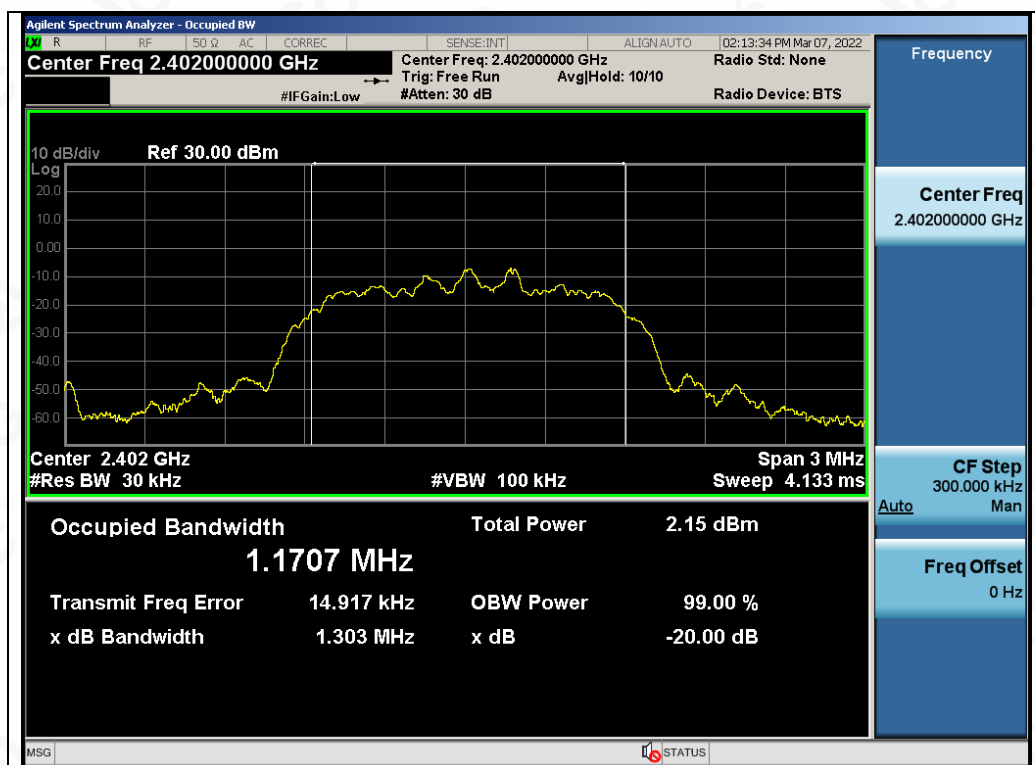


Test\_Graph\_BR\_ANT1\_2480\_1Mbps\_OBW

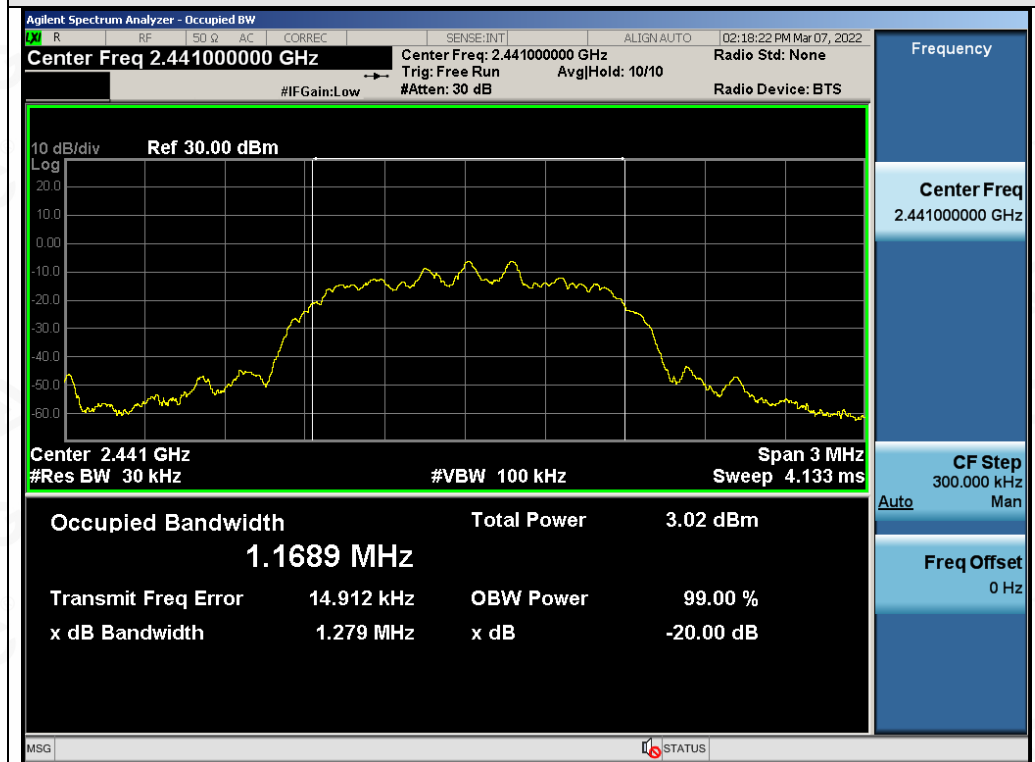
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Test\_Graph\_EDR\_ANT1\_2402\_2Mbps\_OBW

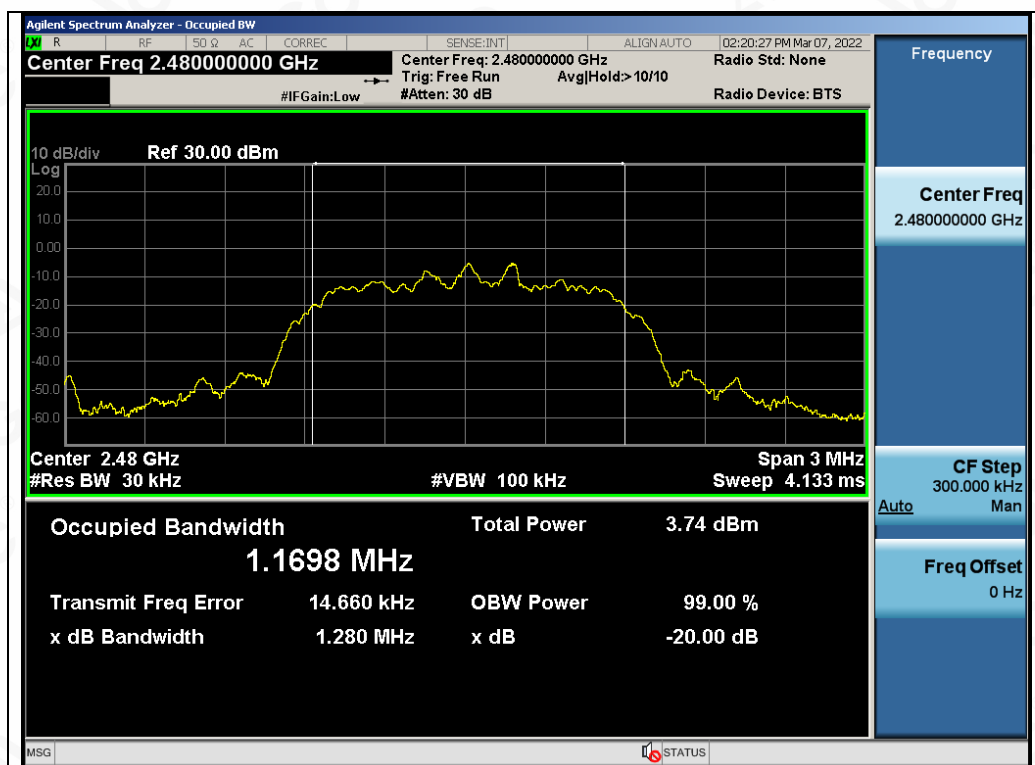


Test\_Graph\_EDR\_ANT1\_2441\_2Mbps\_OBW

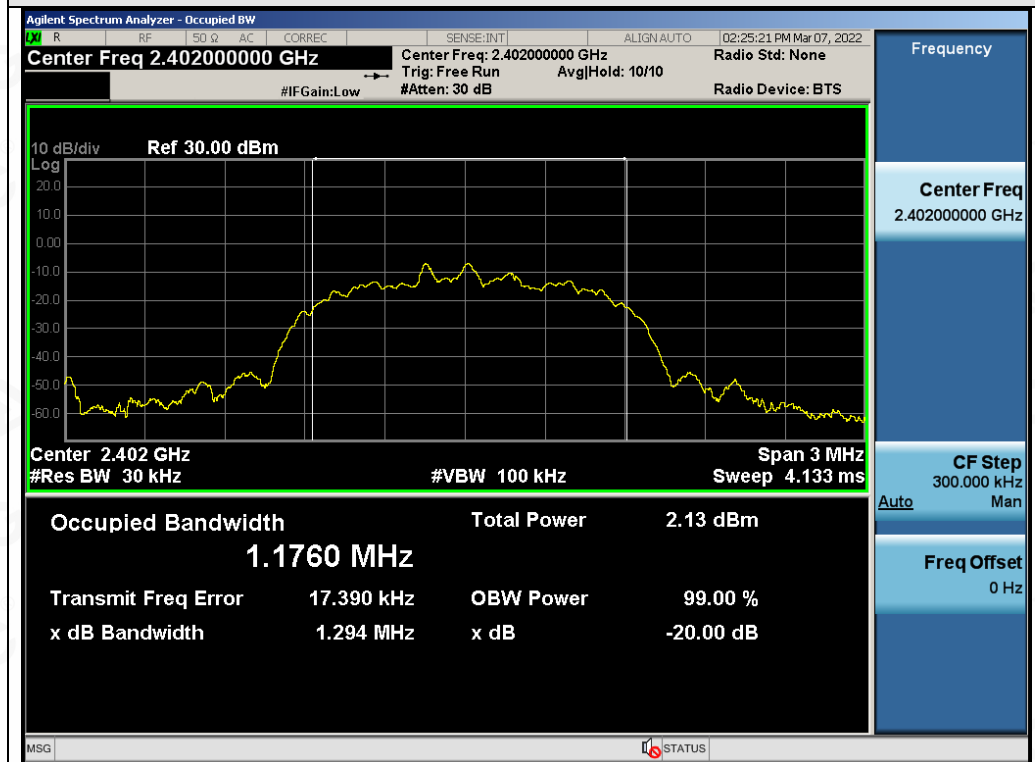
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Test\_Graph\_EDR\_ANT1\_2480\_2Mbps\_OBW

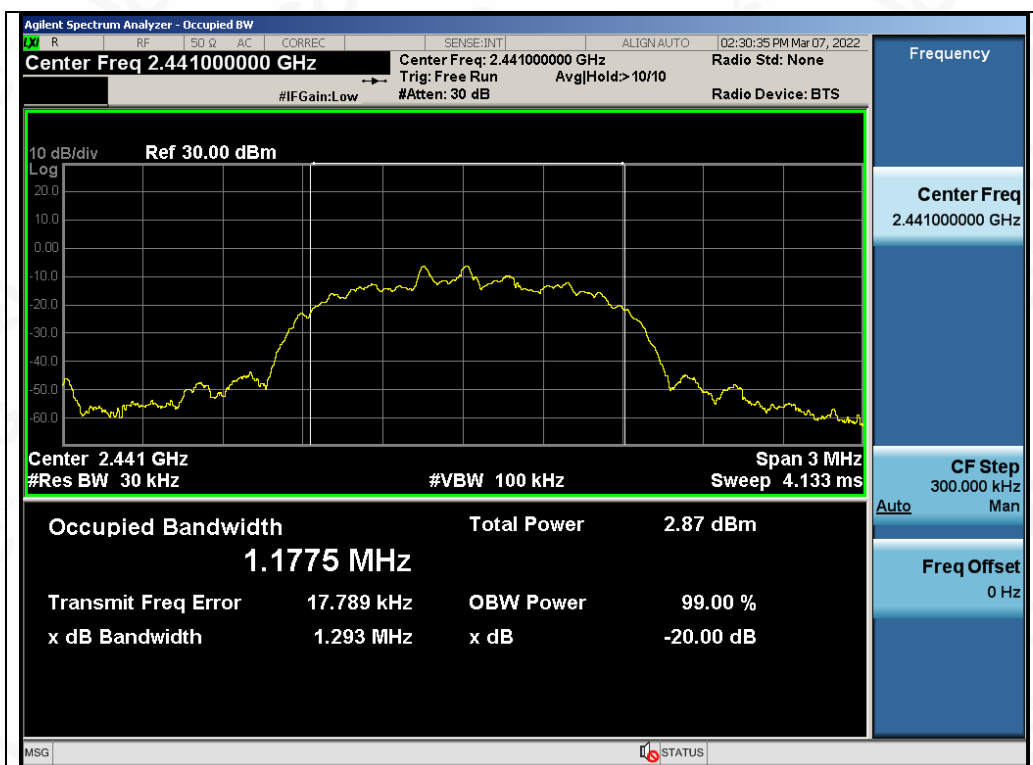


Test\_Graph\_EDR\_ANT1\_2402\_3Mbps\_OBW

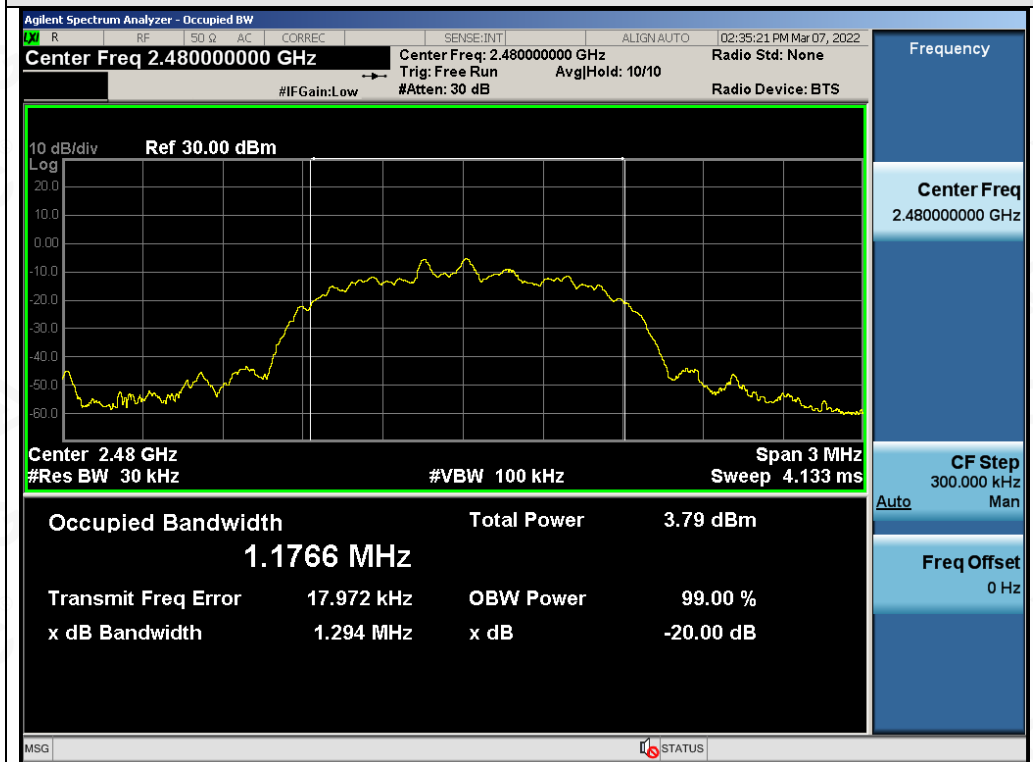
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Test\_Graph\_EDR\_ANT1\_2441\_3Mbps\_OBW



Test\_Graph\_EDR\_ANT1\_2480\_3Mbps\_OBW

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## 9. CONDUCTED SPURIOUS EMISSION

### 9.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the Middle and the bottom operation frequency individually.
3. Set the Span = wide enough to capture the peak level of the in-band emission and all spurious emissions from the lowest frequency generated in the EUT up through the 10th harmonic.  
RBW = 100 kHz; VBW= 300 kHz; Sweep = auto; Detector function = peak.
4. Set SPA Trace 1 Max hold, then View.

### 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 8.2

### 9.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

### 9.4. LIMITS AND MEASUREMENT RESULT

| LIMITS AND MEASUREMENT RESULT   |  |          |
|---|--|----------|
| Applicable Limits   | Measurement Result   |          |
|   | Test Data  | Criteria |
| In any 100 kHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.<br>In addition, radiation emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in§15.209(a)) | At least -20dBc than the limit Specified on the BOTTOM Channel | PASS     |
|   | At least -20dBc than the limit Specified on the TOP Channel    | PASS     |

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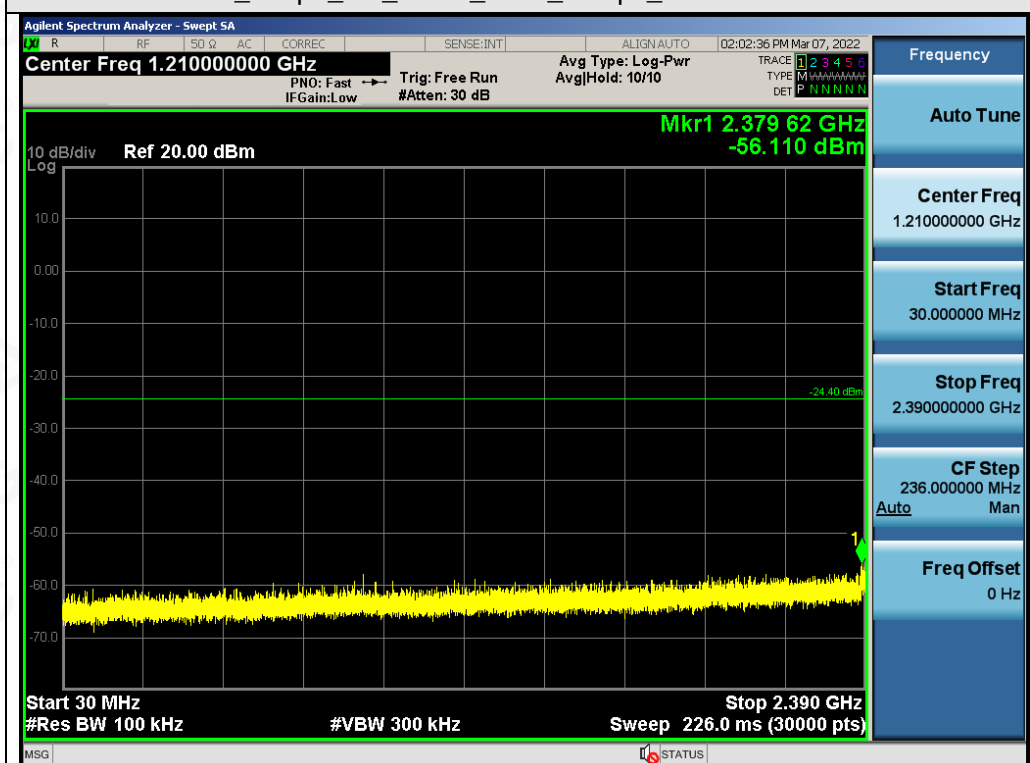
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### Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



### Test\_Graph\_BR\_ANT1\_2402\_1Mbps\_Reference Level

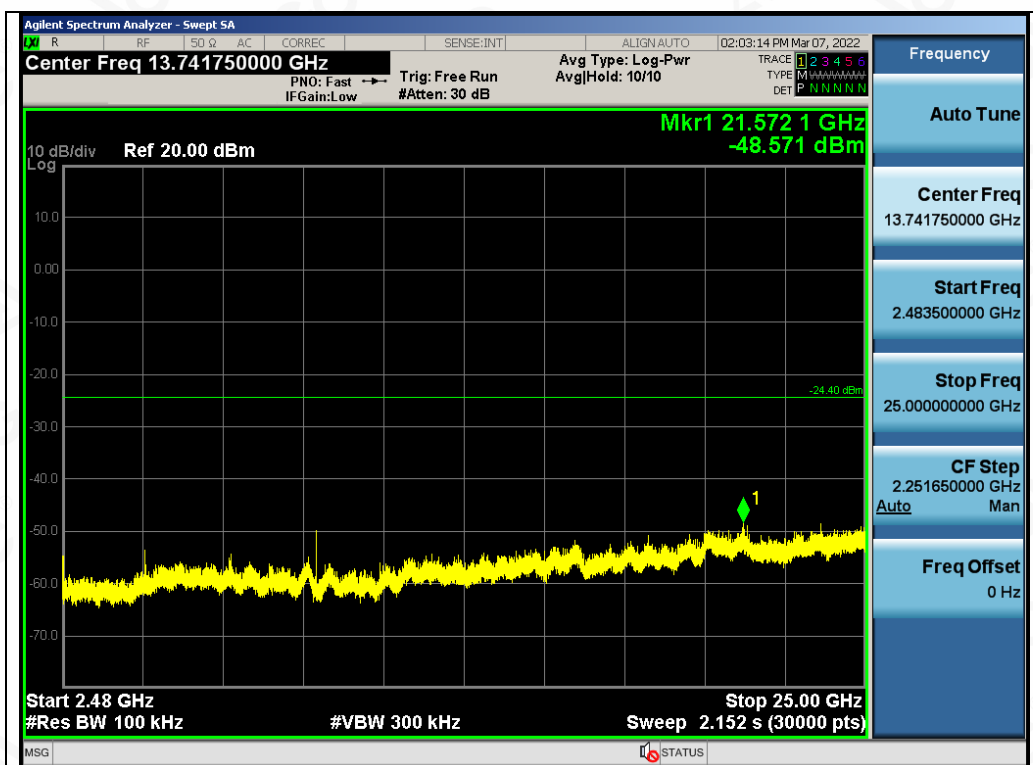


### Test\_Graph\_BR\_ANT1\_2402\_1Mbps\_Lower Band Emissions

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Test\_Graph\_BR\_ANT1\_2402\_1Mbps\_Higher Band Emissions

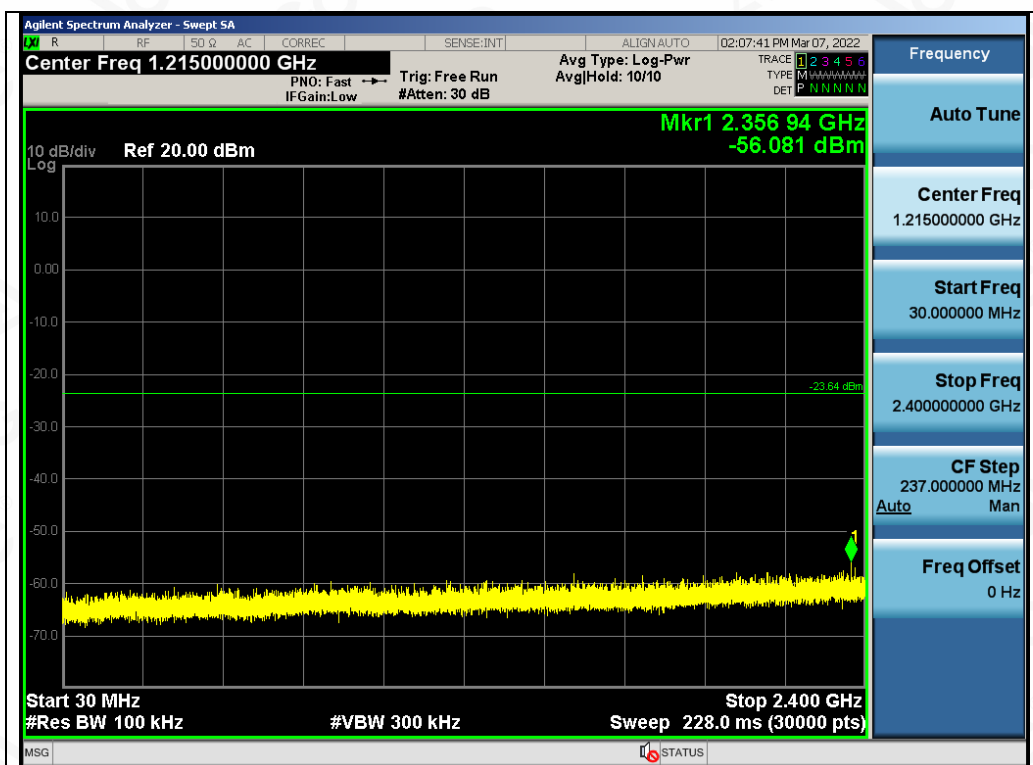


Test\_Graph\_BR\_ANT1\_2441\_1Mbps\_Reference Level

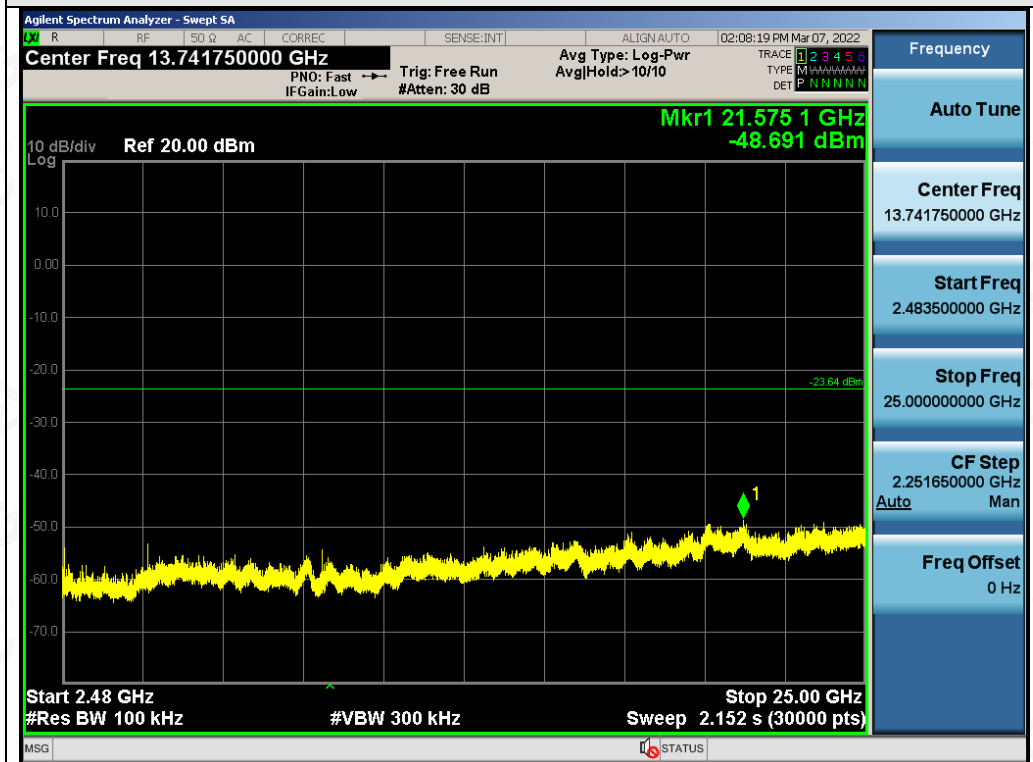
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Test\_Graph\_BR\_ANT1\_2441\_1Mbps\_Lower Band Emissions

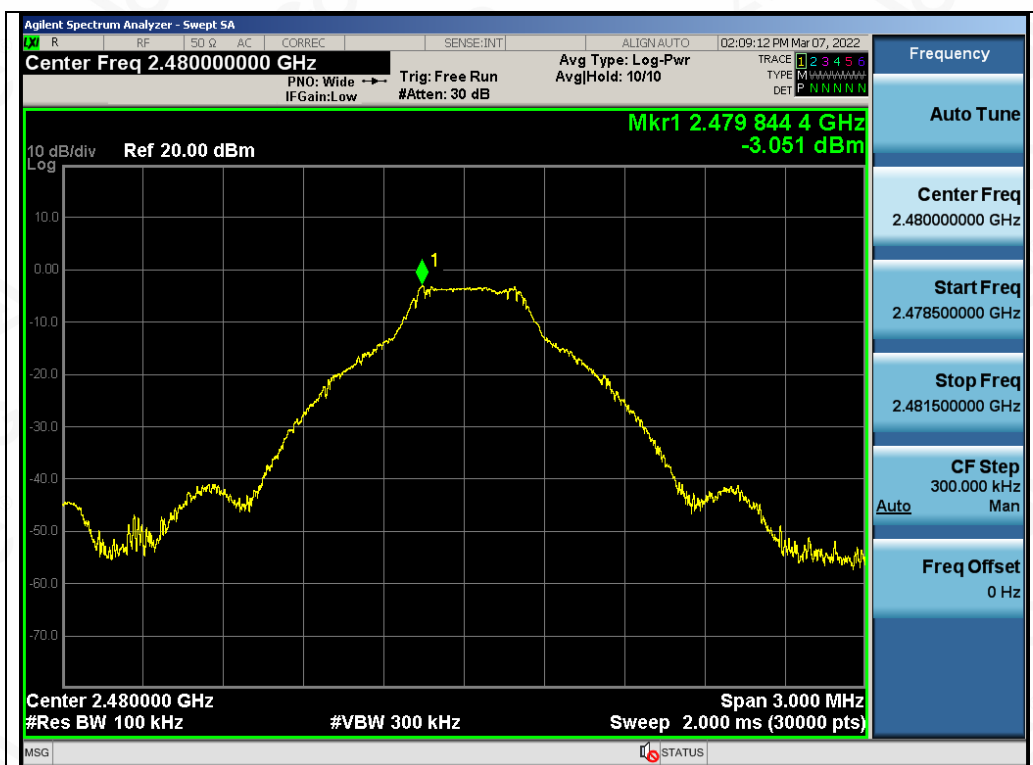


Test\_Graph\_BR\_ANT1\_2441\_1Mbps\_Higher Band Emissions

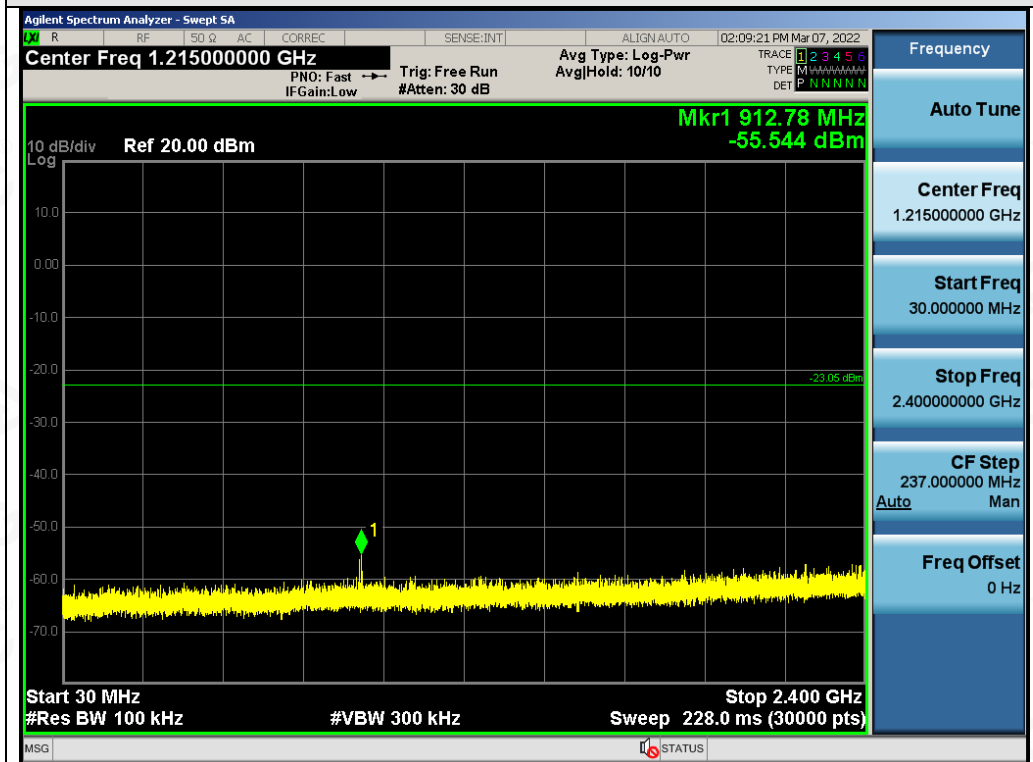
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Test\_Graph\_BR\_ANT1\_2480\_1Mbps\_Reference Level

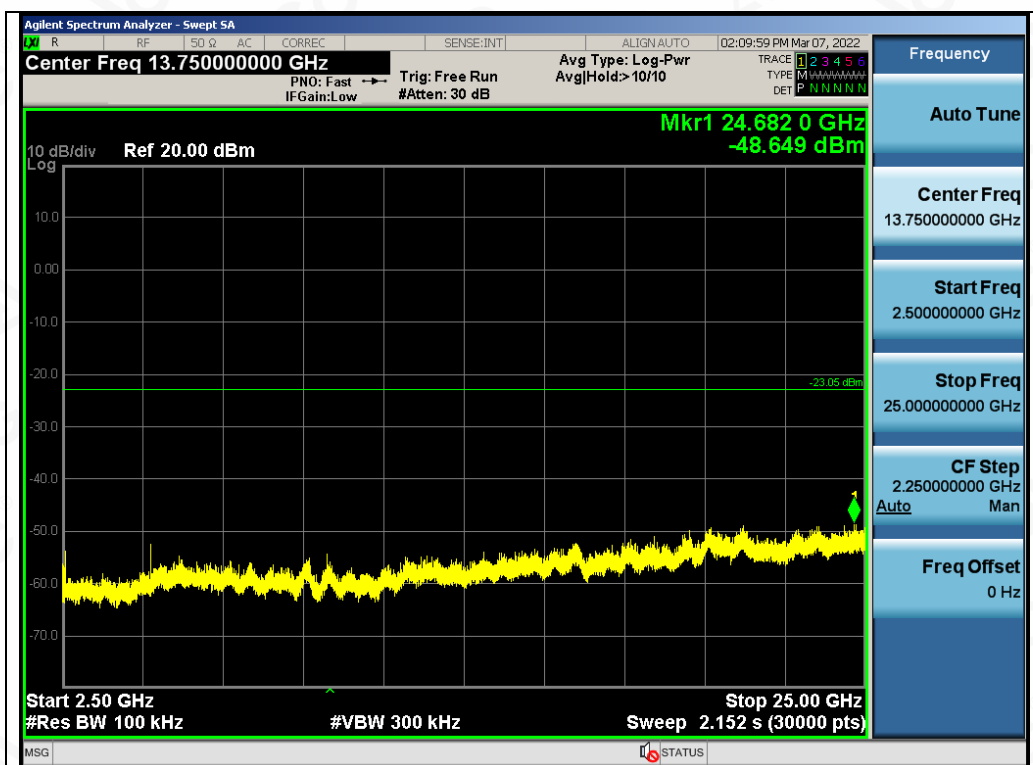


Test\_Graph\_BR\_ANT1\_2480\_1Mbps\_Lower Band Emissions

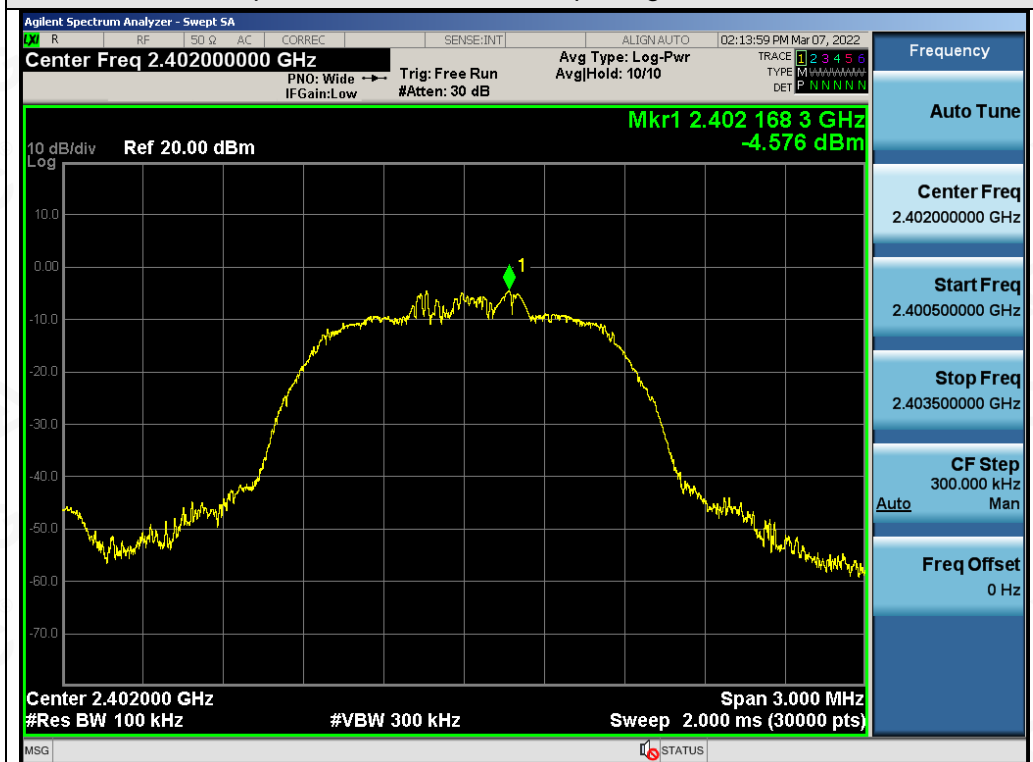
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Test\_Graph\_BR\_ANT1\_2480\_1Mbps\_Higher Band Emissions

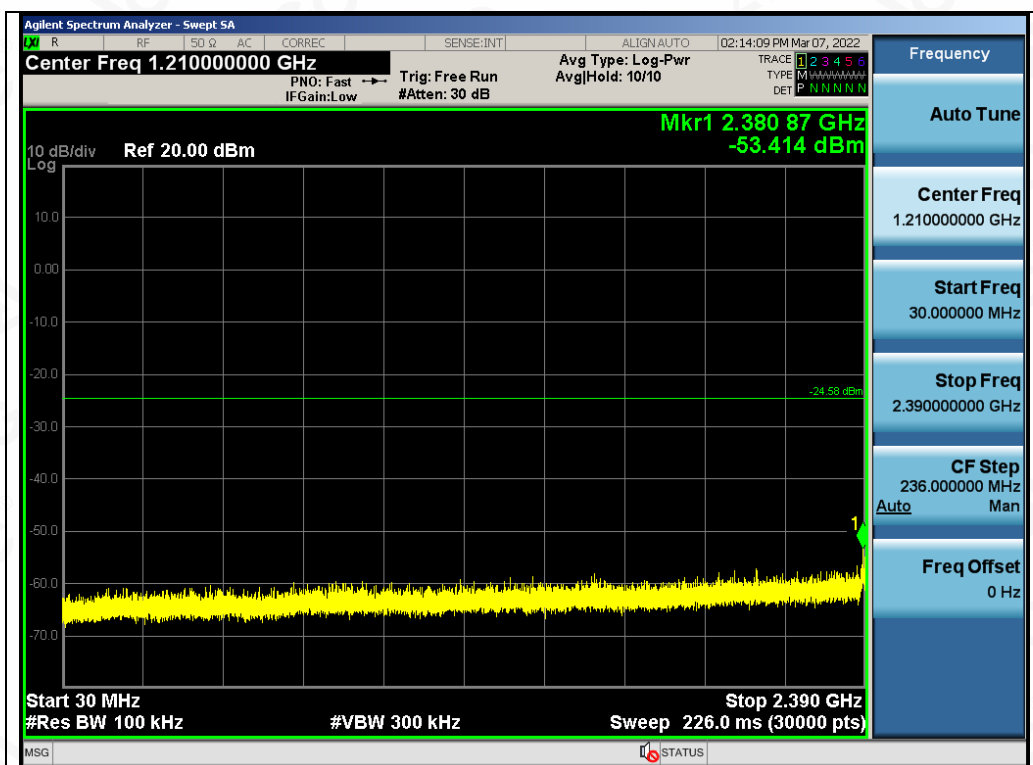


Test\_Graph\_EDR\_ANT1\_2402\_2Mbps\_Reference Level

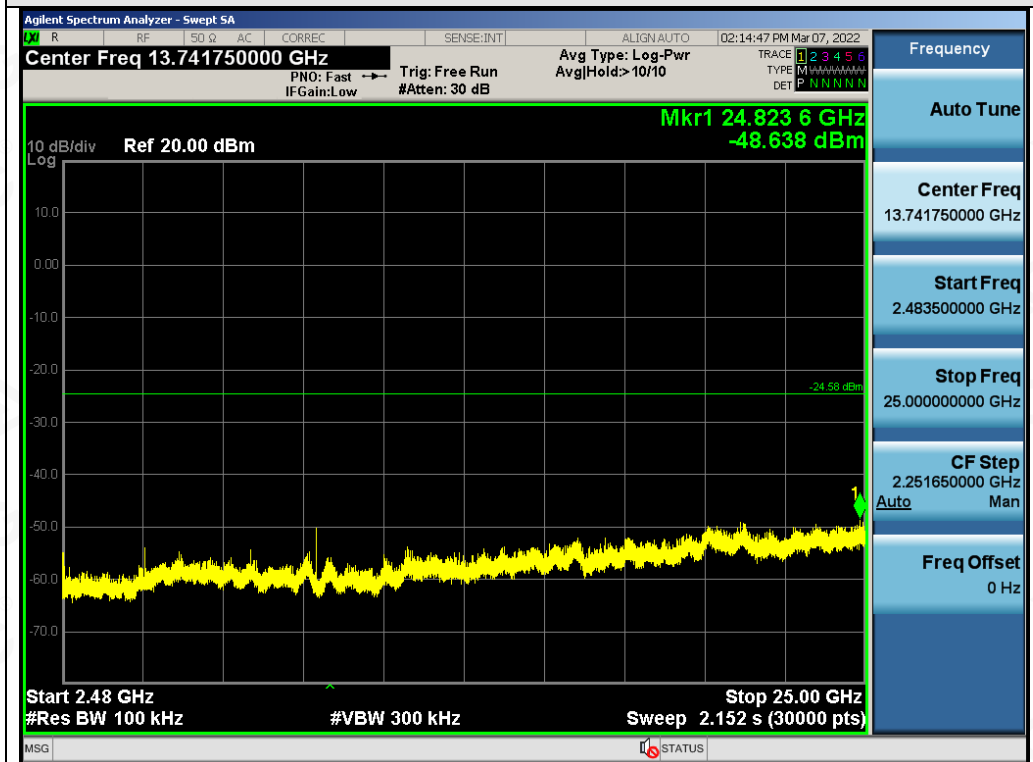
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Test\_Graph\_EDR\_ANT1\_2402\_2Mbps\_Lower Band Emissions

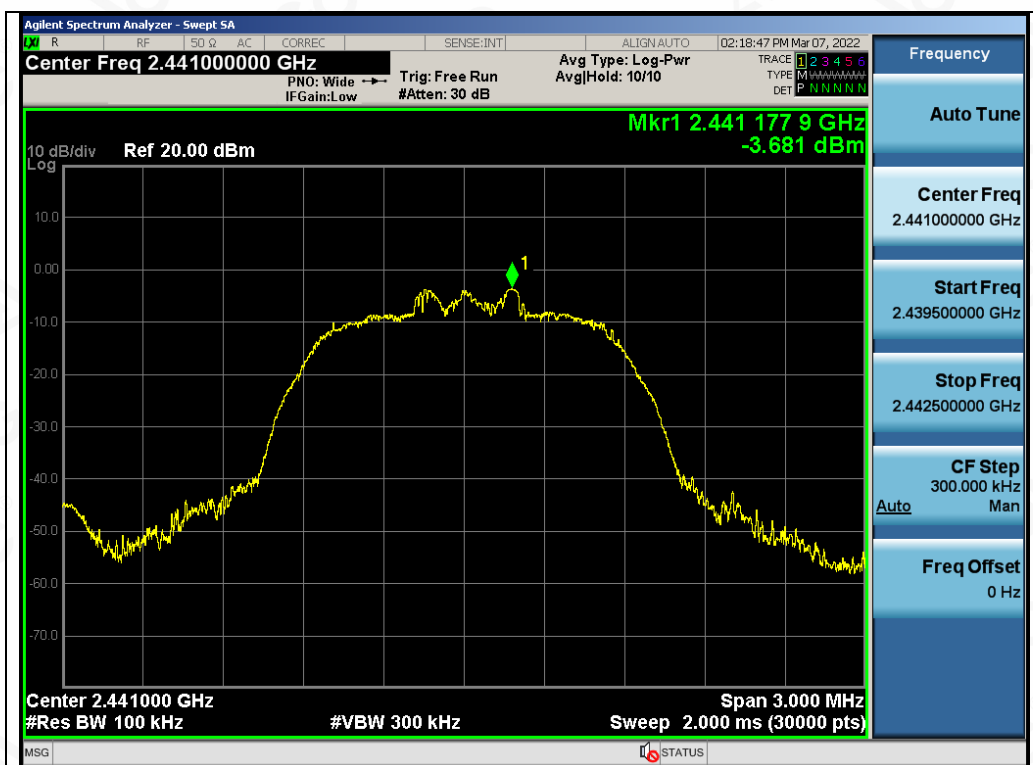


Test\_Graph\_EDR\_ANT1\_2402\_2Mbps\_Higher Band Emissions

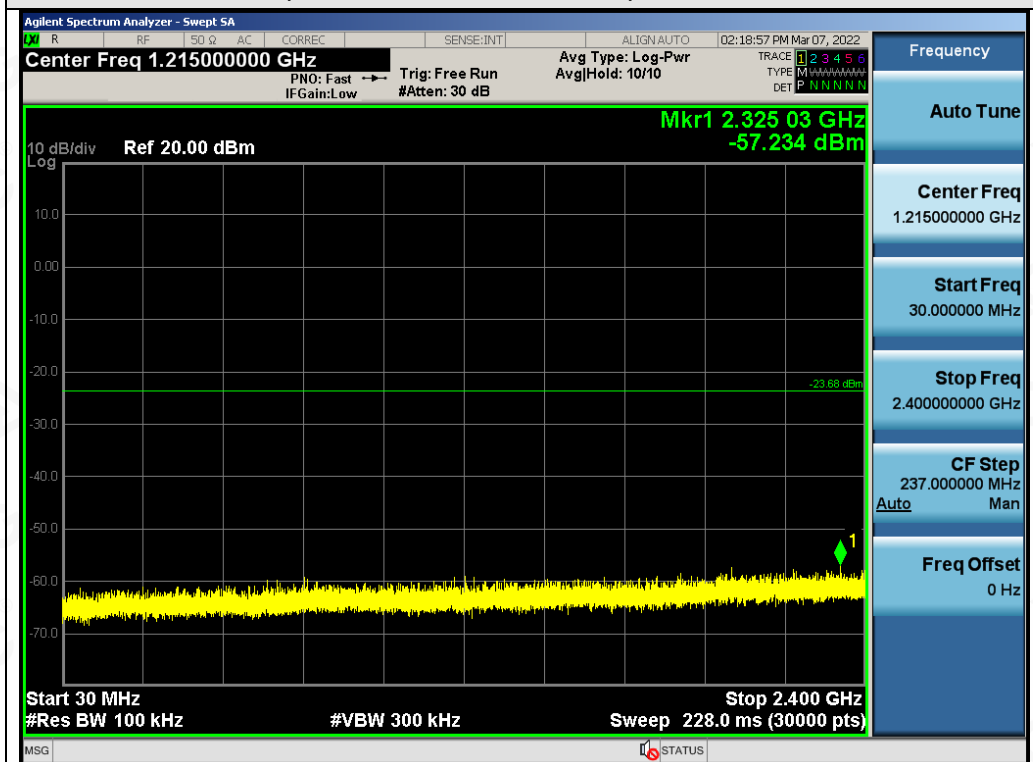
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Test\_Graph\_EDR\_ANT1\_2441\_2Mbps\_Reference Level

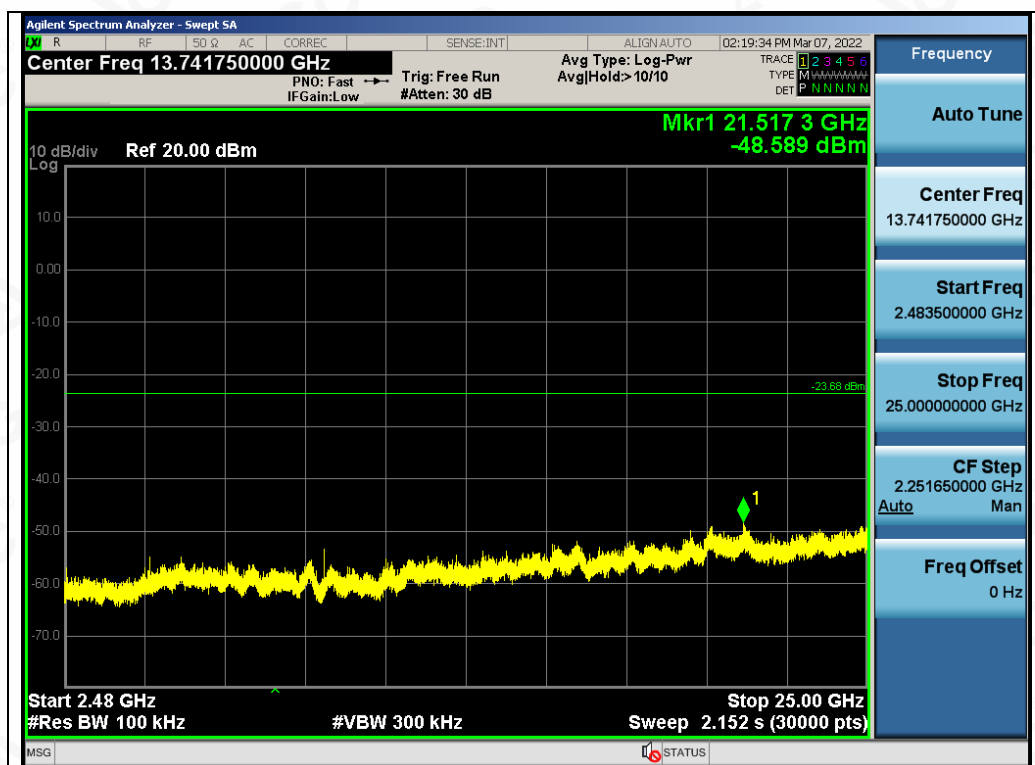


Test\_Graph\_EDR\_ANT1\_2441\_2Mbps\_Lower Band Emissions

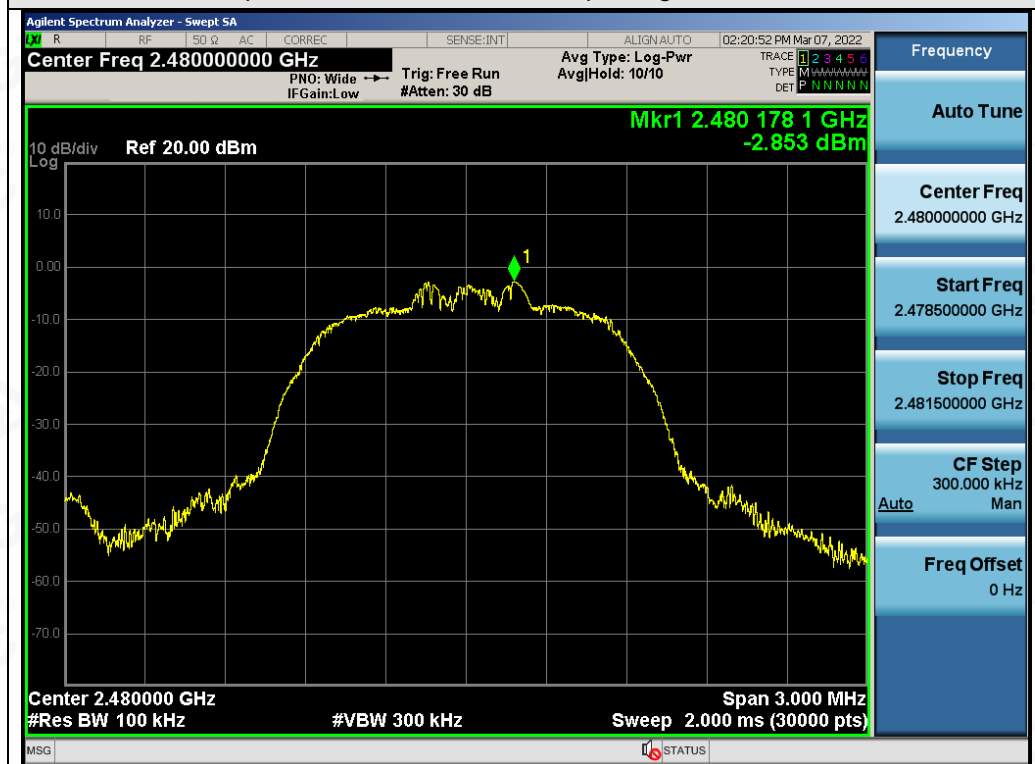
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Test\_Graph\_EDR\_ANT1\_2441\_2Mbps\_Higher Band Emissions

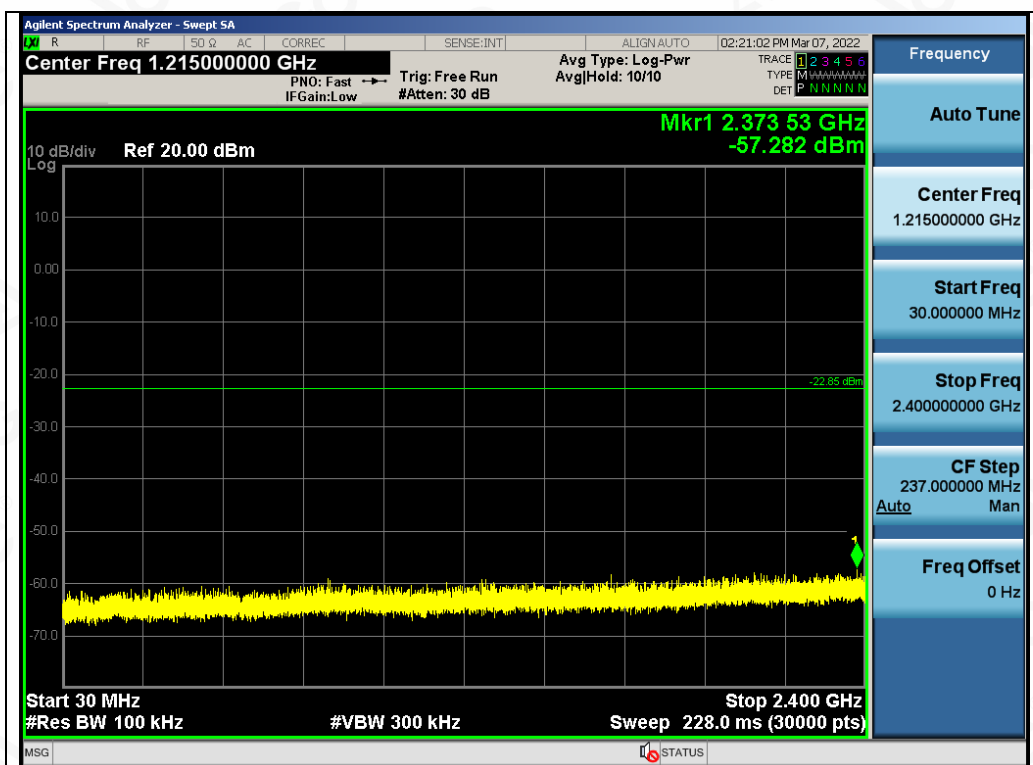


Test\_Graph\_EDR\_ANT1\_2480\_2Mbps\_Reference Level

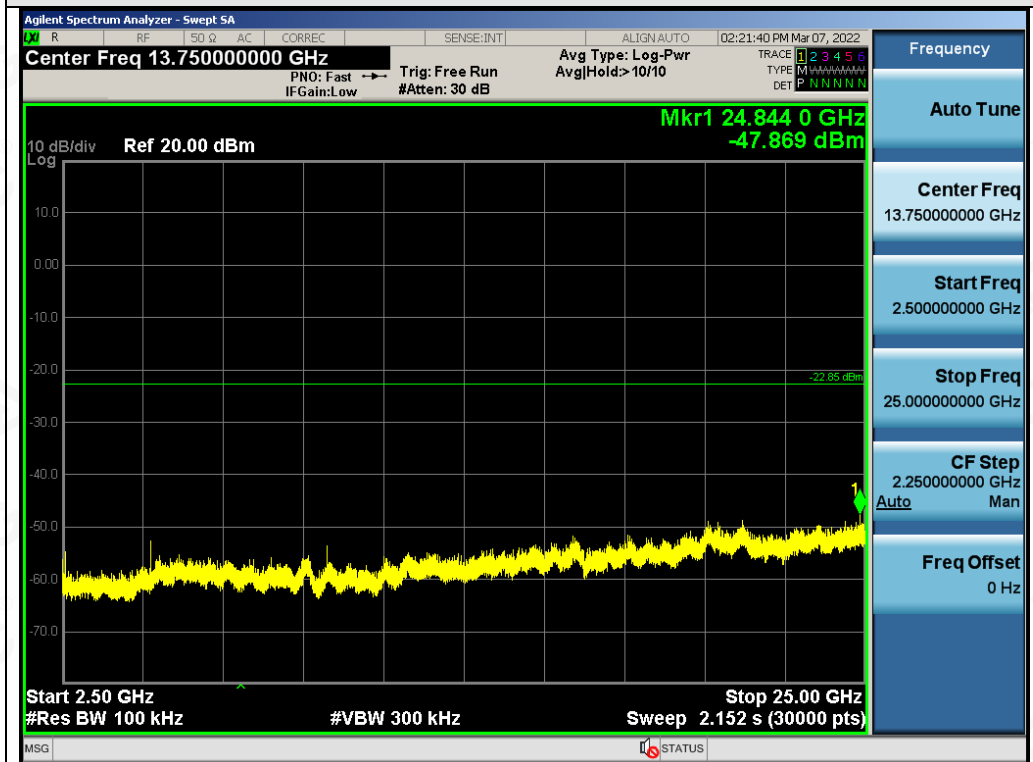
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Test\_Graph\_EDR\_ANT1\_2480\_2Mbps\_Lower Band Emissions

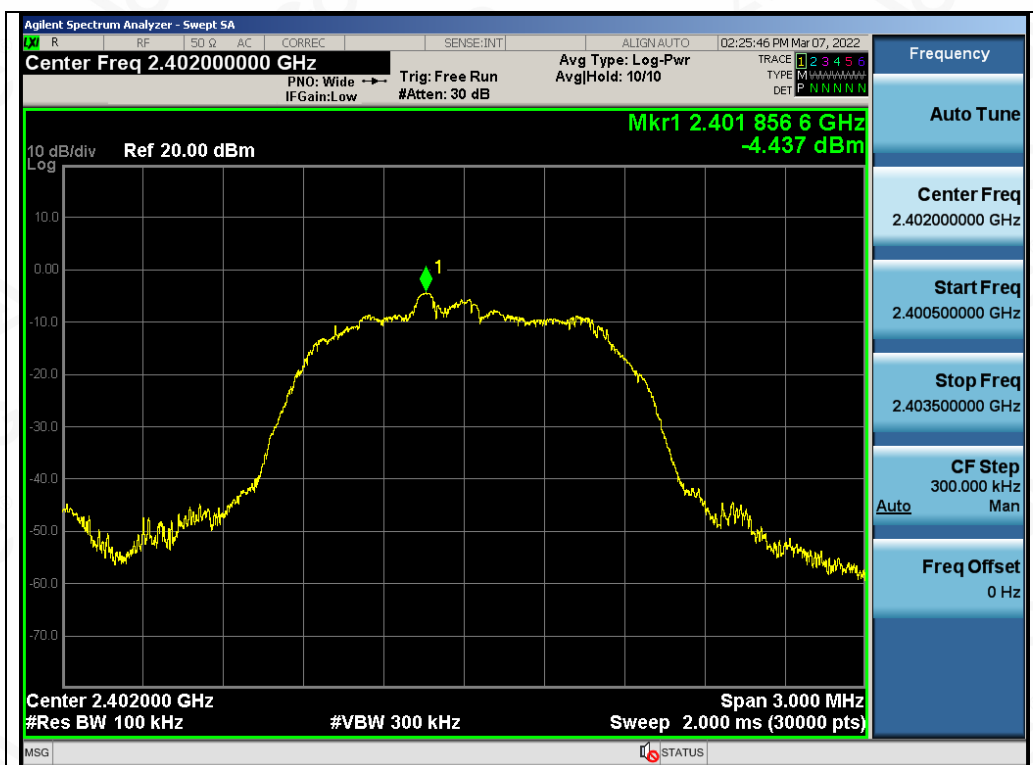


Test\_Graph\_EDR\_ANT1\_2480\_2Mbps\_Higher Band Emissions

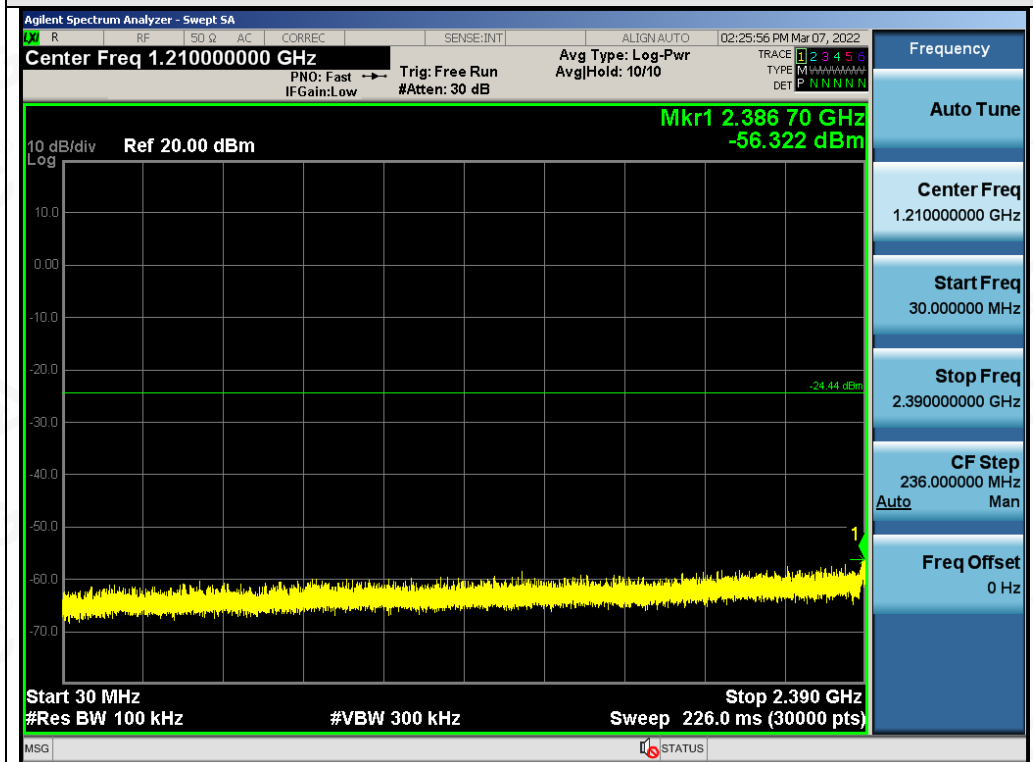
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Test\_Graph\_EDR\_ANT1\_2402\_3Mbps\_Reference Level

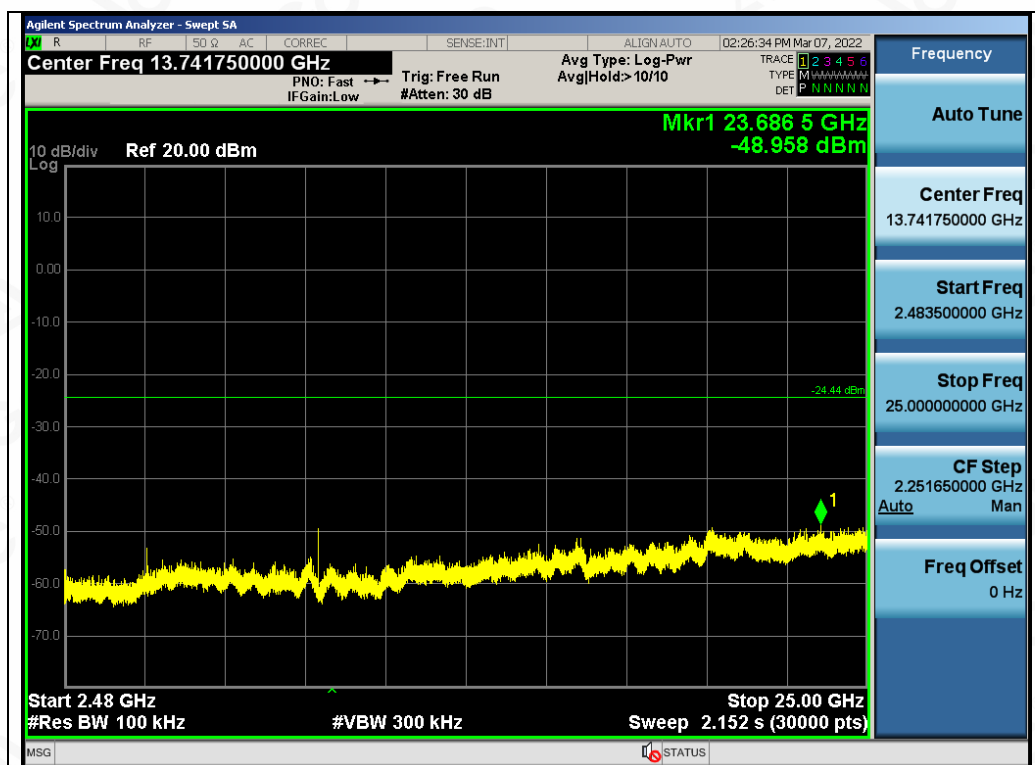


Test\_Graph\_EDR\_ANT1\_2402\_3Mbps\_Lower Band Emissions

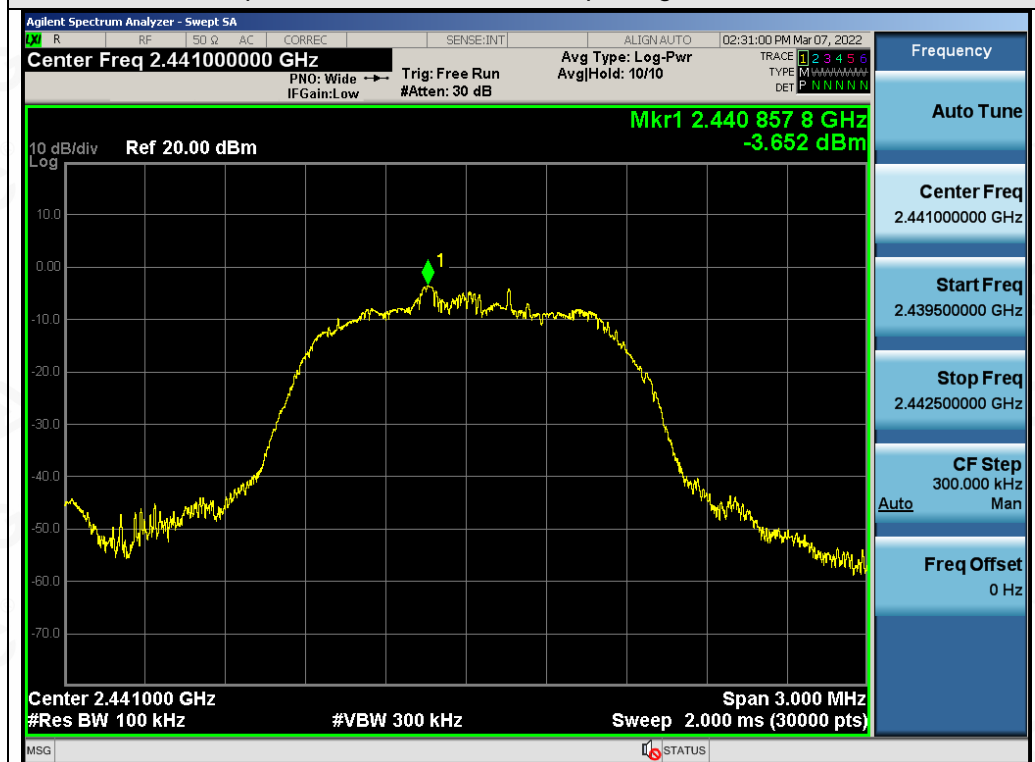
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Test\_Graph\_EDR\_ANT1\_2402\_3Mbps\_Higher Band Emissions

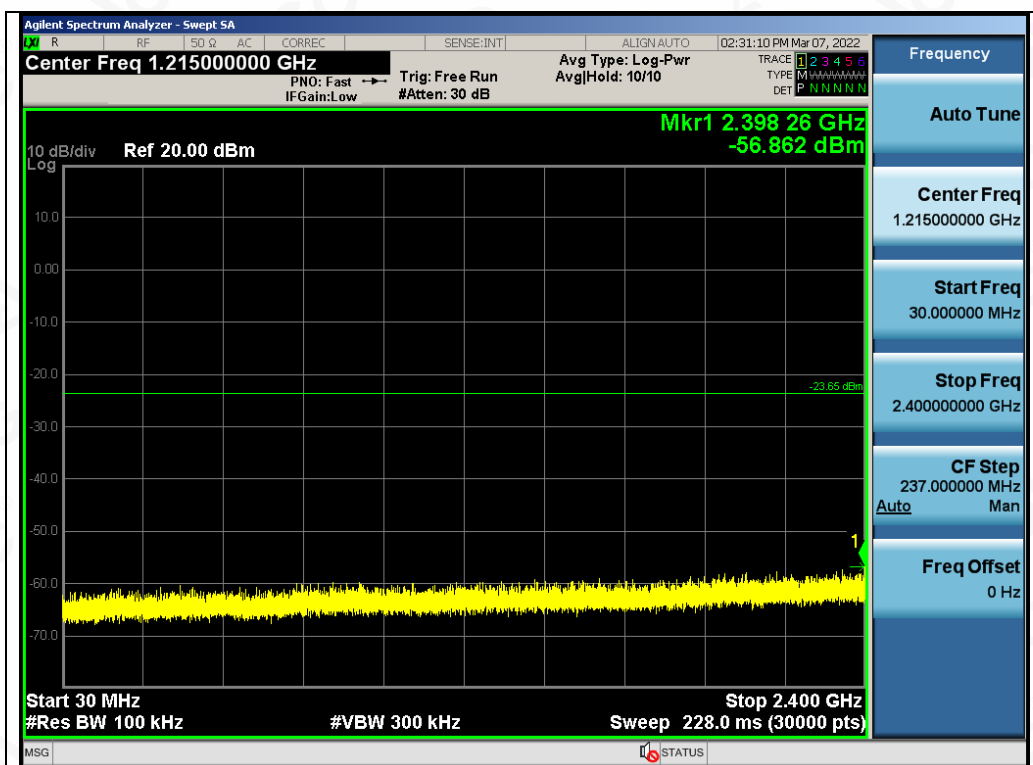


Test\_Graph\_EDR\_ANT1\_2441\_3Mbps\_Reference Level

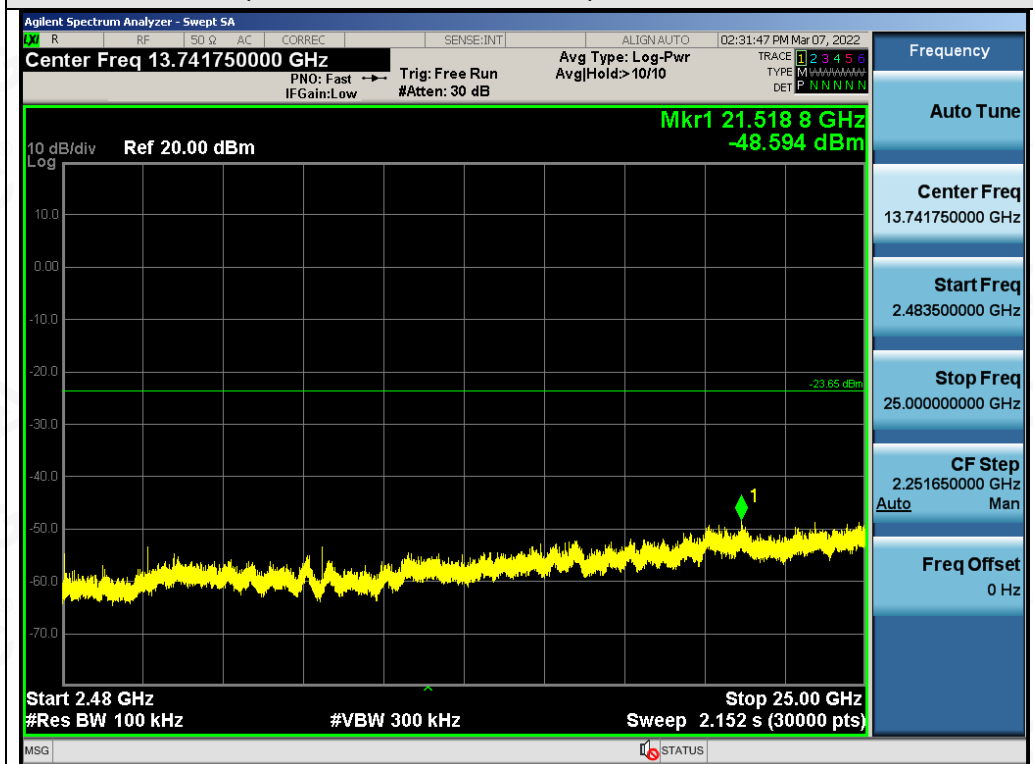
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Test\_Graph\_EDR\_ANT1\_2441\_3Mbps\_Lower Band Emissions

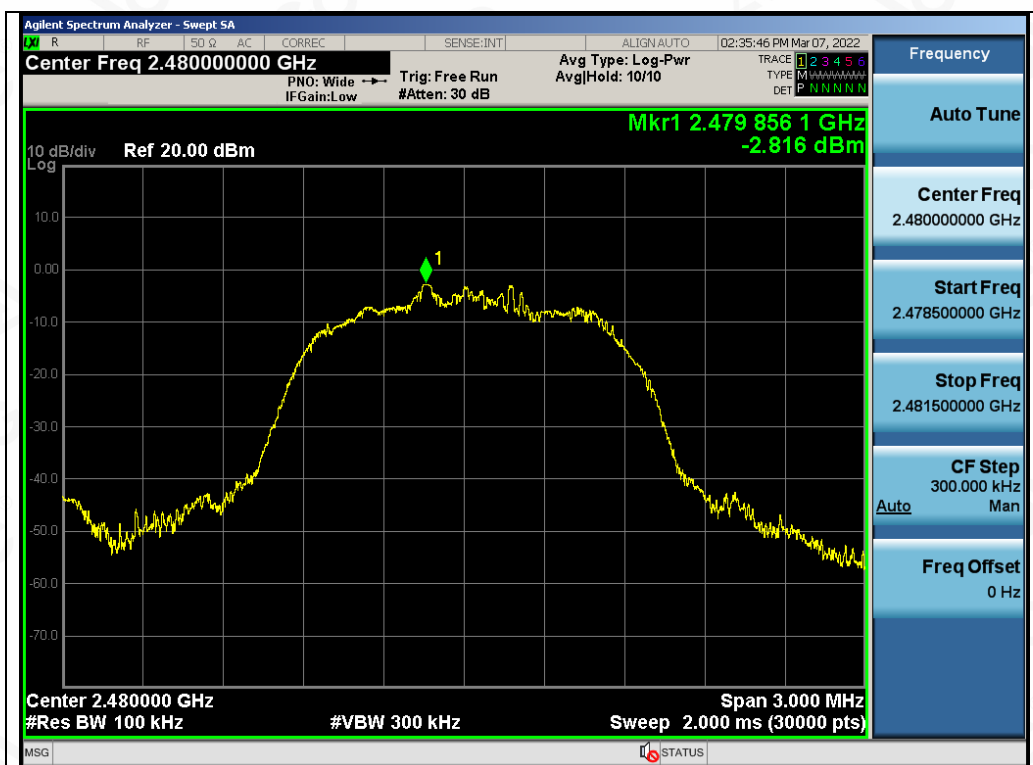


Test\_Graph\_EDR\_ANT1\_2441\_3Mbps\_Higher Band Emissions

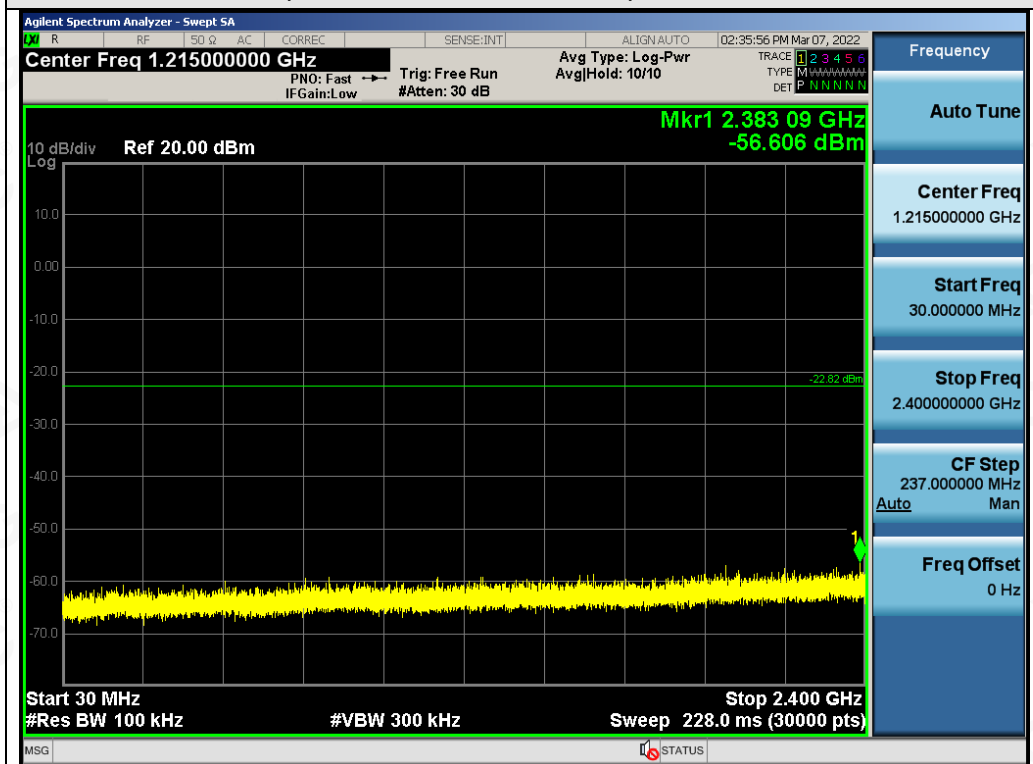
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Test\_Graph\_EDR\_ANT1\_2480\_3Mbps\_Reference Level

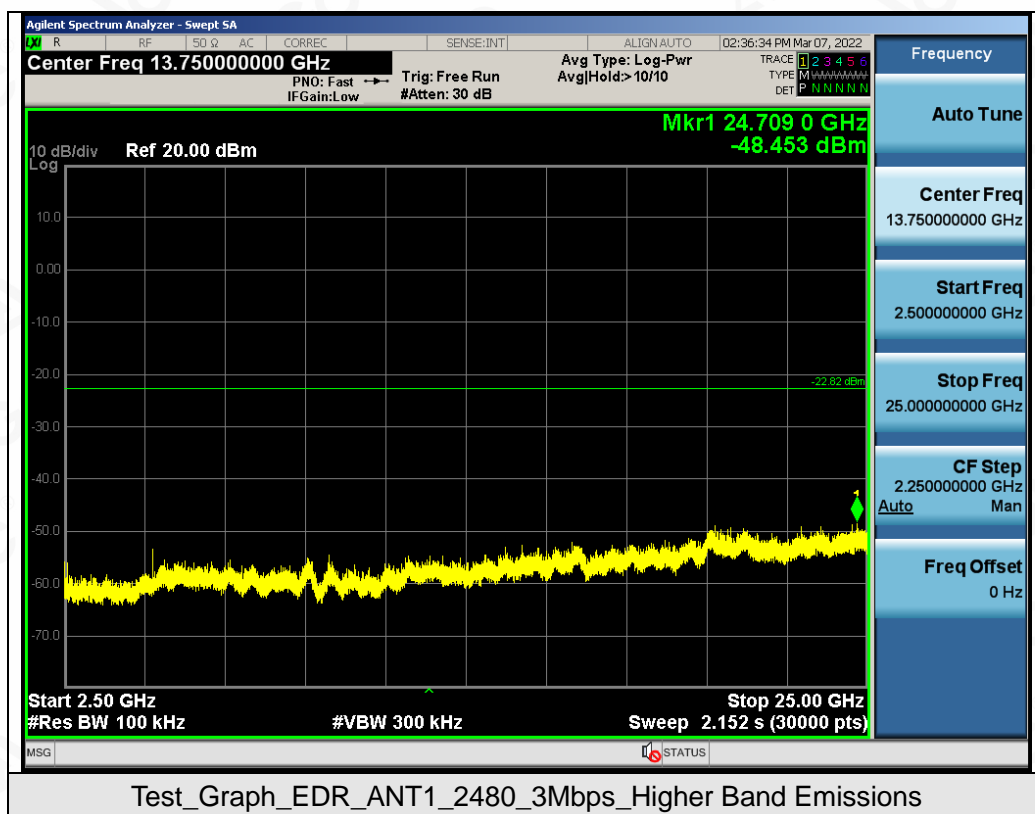


Test\_Graph\_EDR\_ANT1\_2480\_3Mbps\_Lower Band Emissions

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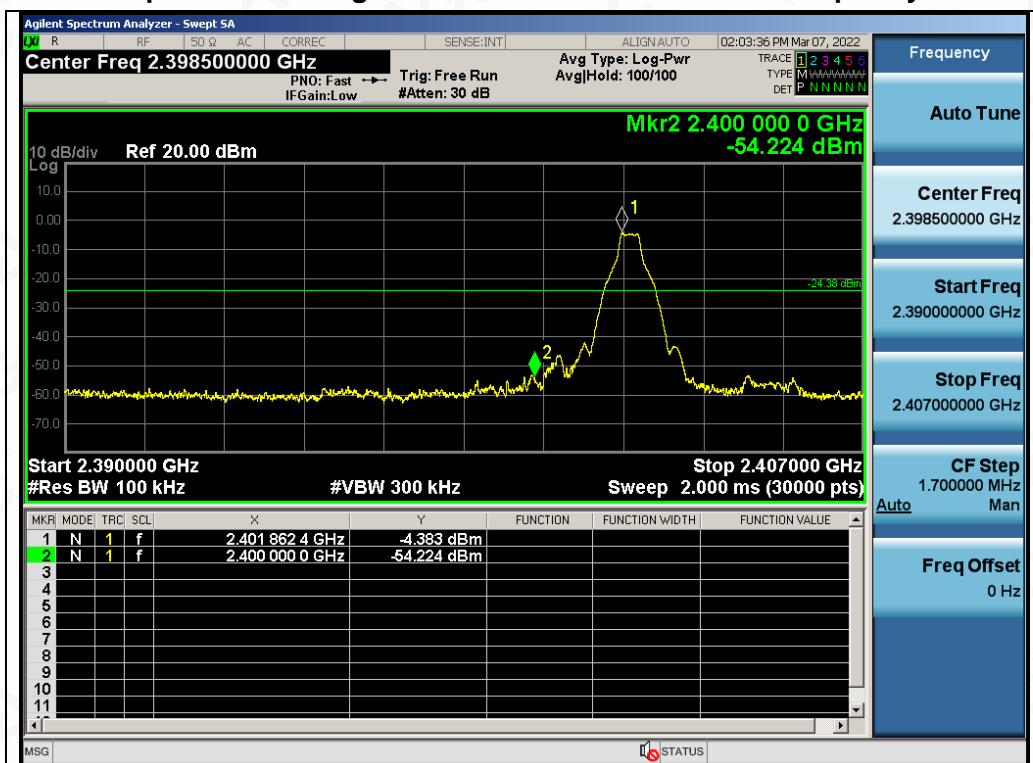


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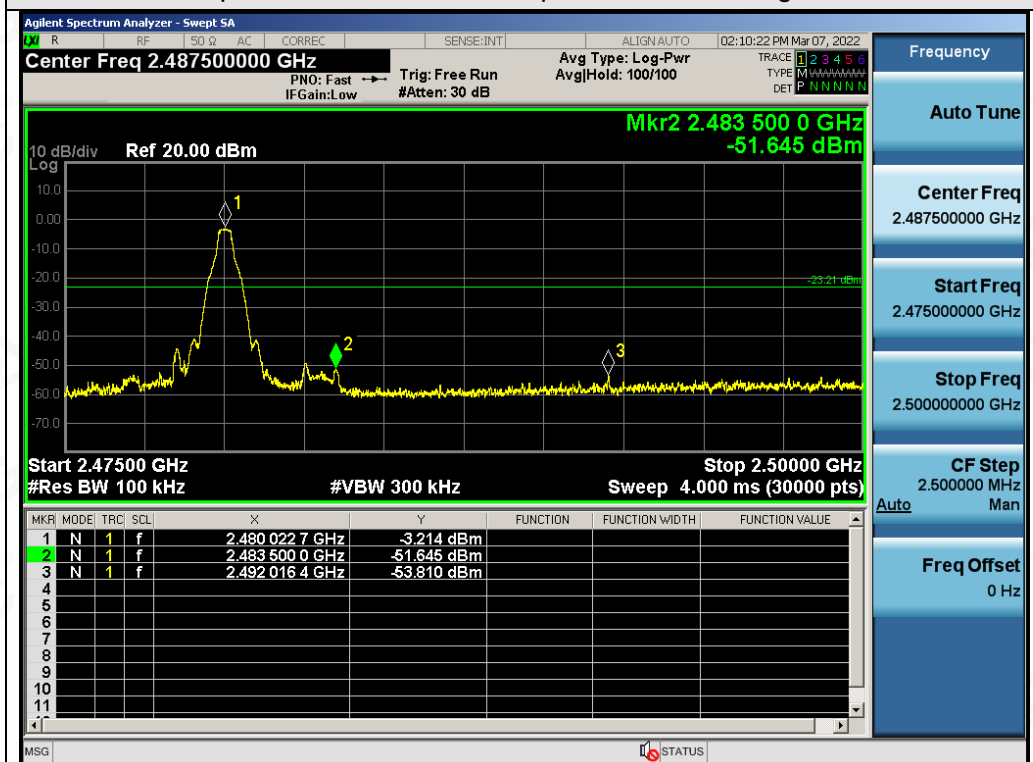
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### Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands



### Test\_Graph\_BR\_ANT1\_2402\_1Mbps\_Lower Band Edge Emissions

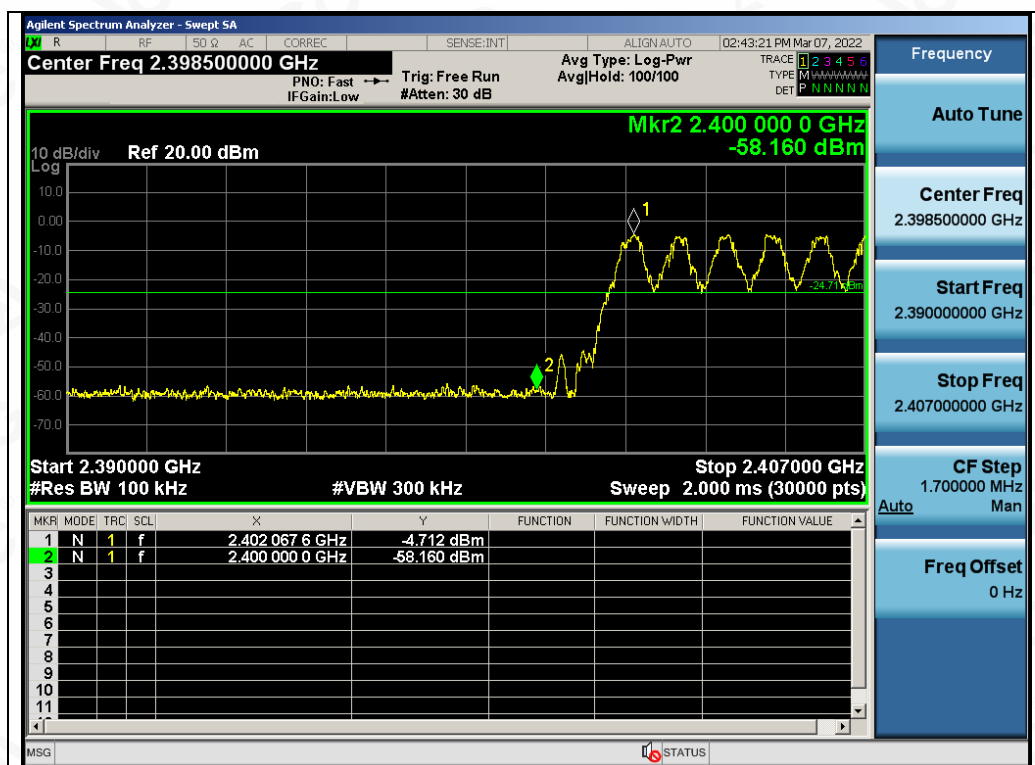


### Test\_Graph\_BR\_ANT1\_2480\_1Mbps\_Higher Band Edge Emissions

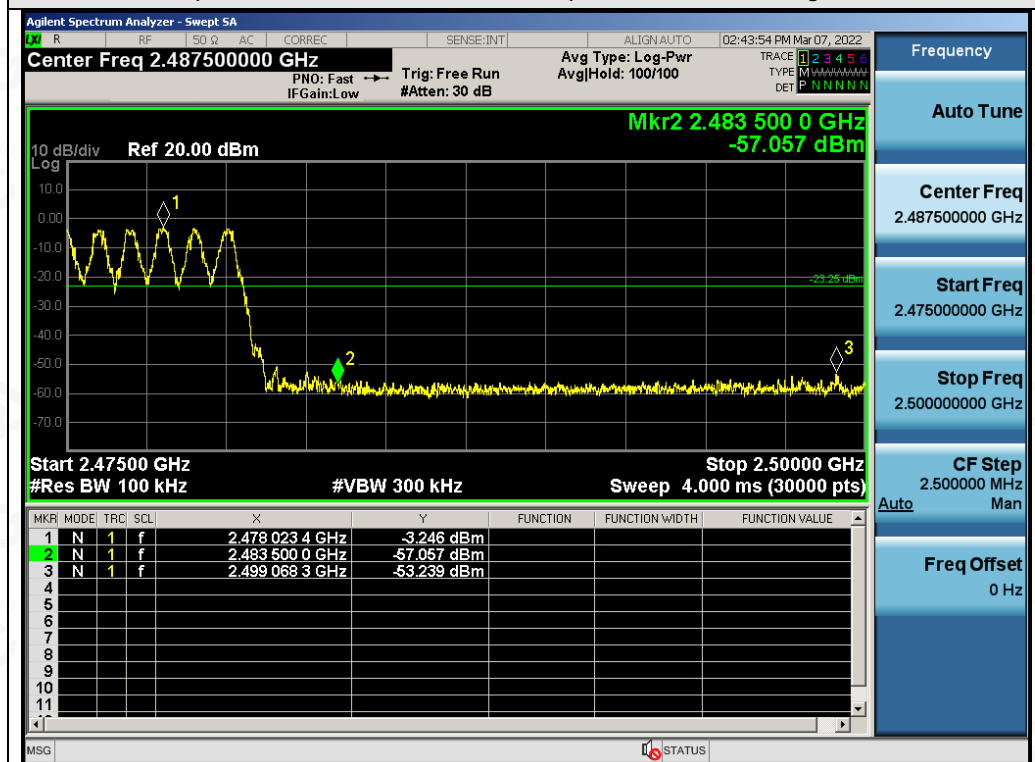
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Test\_Graph\_BR\_HOP\_ANT1\_NA\_1Mbps\_Lower Band Edge Emissions

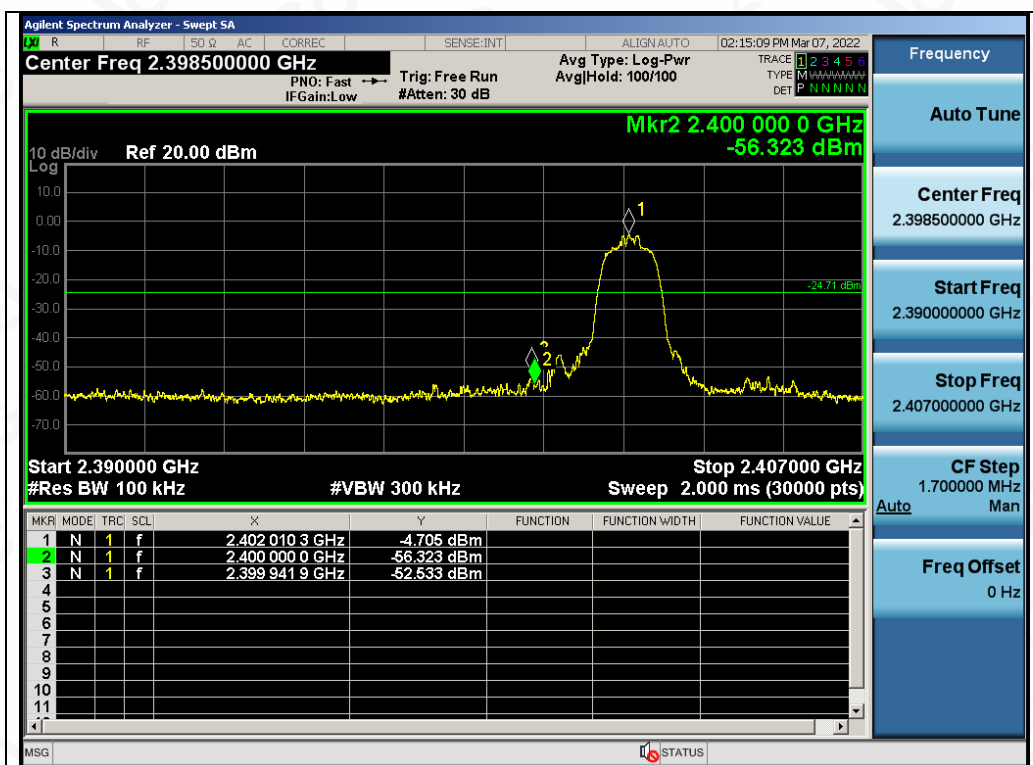


Test\_Graph\_BR\_HOP\_ANT1\_NA\_1Mbps\_Higher Band Edge Emissions

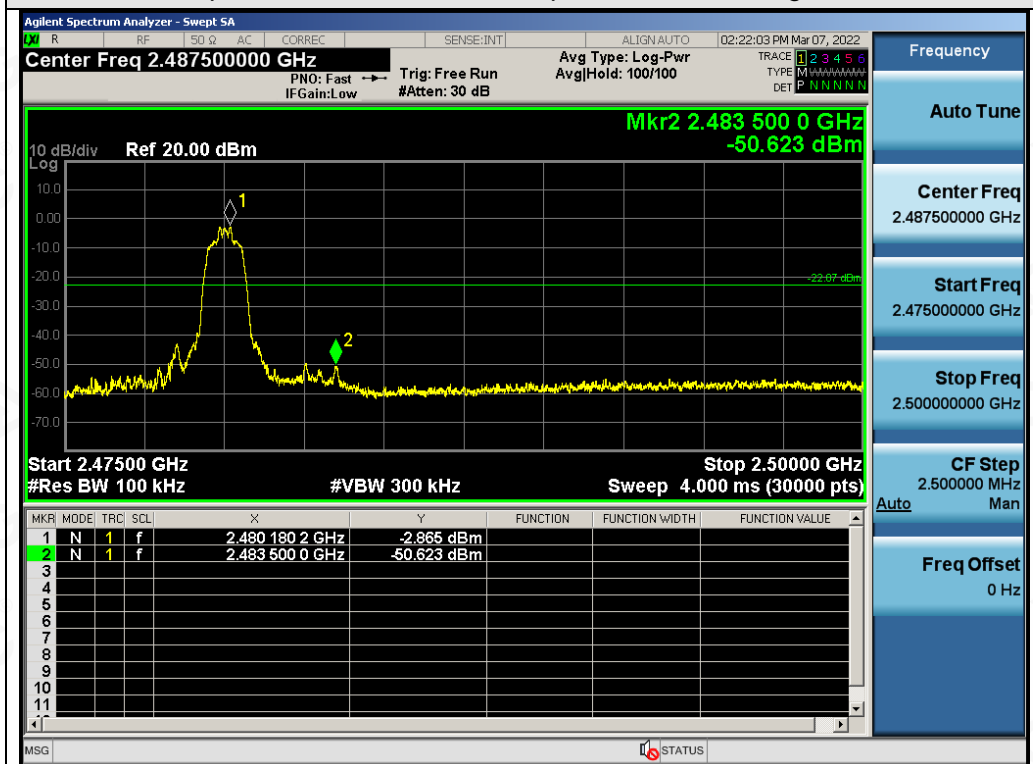
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Test\_Graph\_EDR\_ANT1\_2402\_2Mbps\_Lower Band Edge Emissions

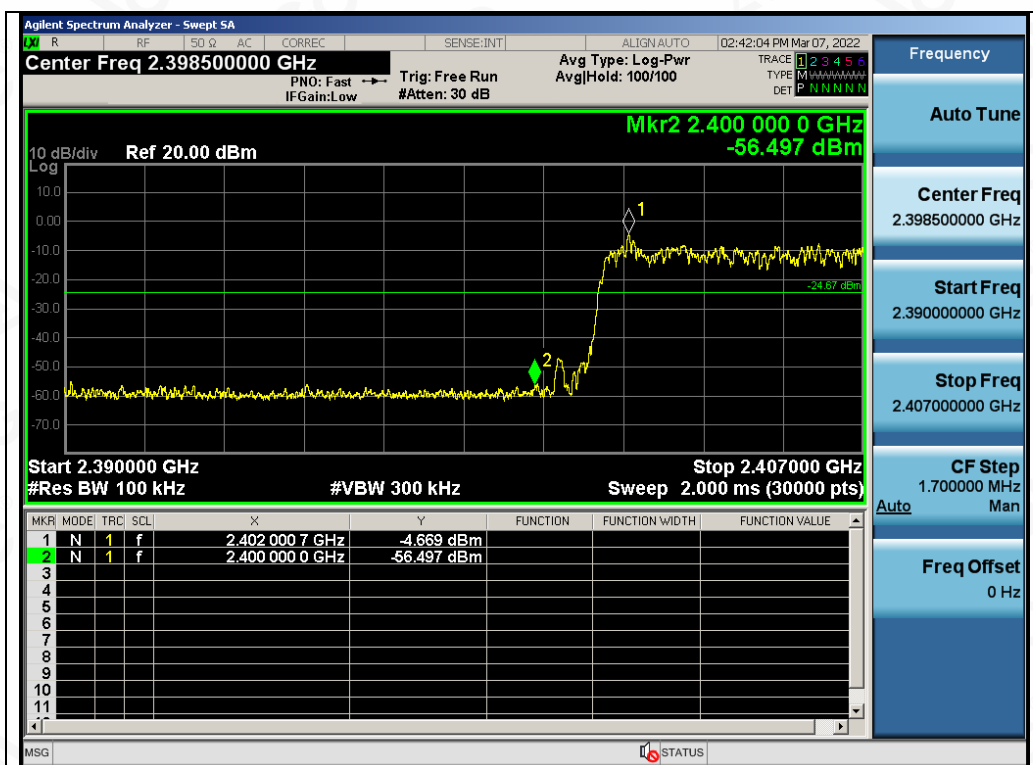


Test\_Graph\_EDR\_ANT1\_2480\_2Mbps\_Higher Band Edge Emissions

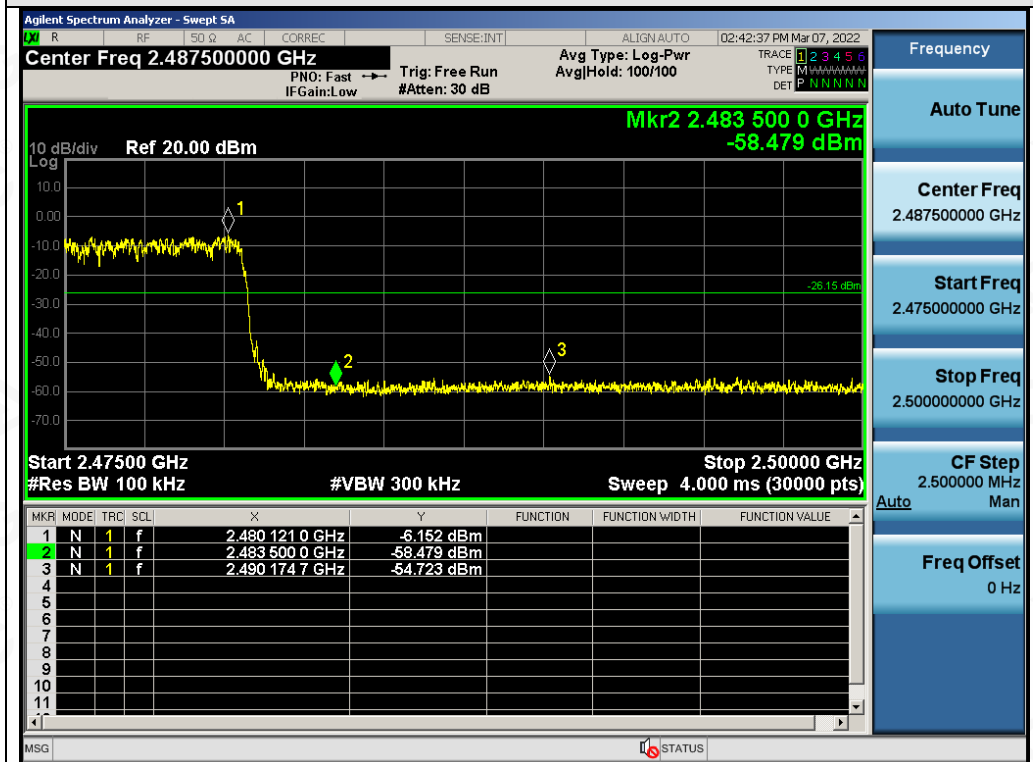
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Test\_Graph\_EDR\_HOP\_ANT1\_NA\_2Mbps\_Lower Band Edge Emissions



Test\_Graph\_EDR\_HOP\_ANT1\_NA\_2Mbps\_Higher Band Edge Emissions

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