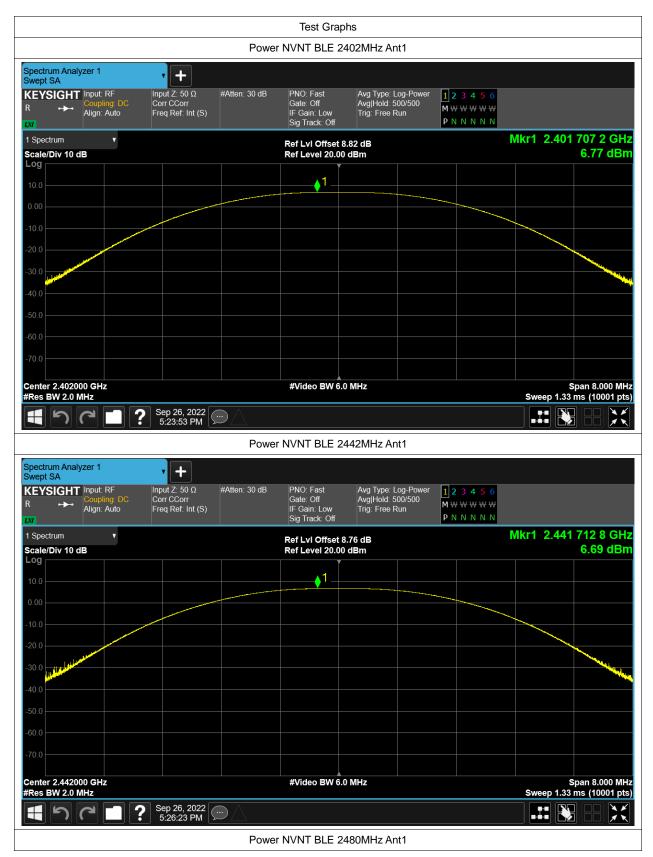


#### **Test Data**

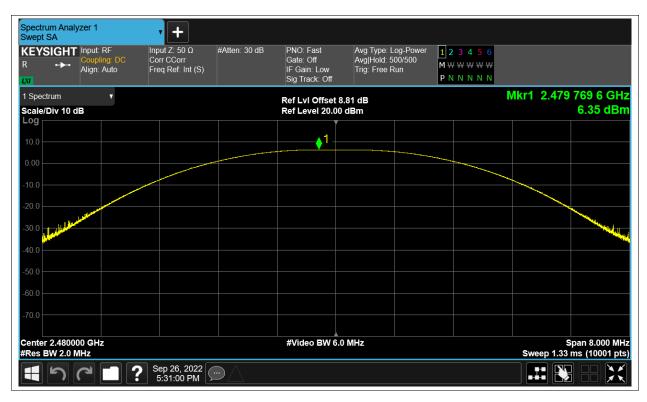
## **Maximum Conducted Output Power**

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | BLE  | 2402            | Ant1    | 6.766                 | 30          | Pass    |
| NVNT      | BLE  | 2442            | Ant1    | 6.689                 | 30          | Pass    |
| NVNT      | BLE  | 2480            | Ant1    | 6.348                 | 30          | Pass    |











## -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | limit | Verdic |
|-----------|------|-----------------|---------|-----------------------|-------|--------|
| NVNT      | BLE  | 2402            | Ant1    | 0.696                 | 0.5   | Pass   |
| NVNT      | BLE  | 2442            | Ant1    | 0.69                  | 0.5   | Pass   |
| NVNT      | BLE  | 2480            | Ant1    | 0.685                 | 0.5   | Pass   |







| Spectru<br>Occupie |  | /zer 1                                 |                              | • +                                 | •            |                     |  |                                       |               |   |            |  |
|--------------------|--|--|------------------------------|-------------------------------------|--------------|---------------------|--|---------------------------------------|---------------|---|------------|--|
| REYS               | SIGHT<br>⊶⊷                            | Input: RI<br>Coupling<br>Align: Au     | J: DC                        | Input Z: 5<br>Corr CCo<br>Freq Ref: | rr           | Atten: 30 dB        | Trig: Free Run<br>Gate: Off<br>#IF Gain: Low | Center Fre<br>Avg Hold:<br>Radio Std: |               |   |            |  |
| 1 Graph            | ı                                      |  | v                            |                                     |              |                     | Ref LvI Offset 8                             | 3.81 dB                               |               | М | kr3 2.4803 | 52000 GHz                              |
|                    | Div 10.0                               | dB                                     |                              |                                     |              |                     | Ref Value 28.81                              |                                       |               |   |            | 0.52 dBm                               |
| Log<br>18.8        |  |  |                              |                                     |              | . 1                 |  |                                       |               |   |            |  |
| 8.81               |  |  |                              |                                     |              | $\wedge^2 \wedge^1$ |  | ~                                     | →3            |   |            |  |
| -1.19              |  |  |                              |                                     |              |                     |  |                                       |               |   |            |  |
| -21.2              | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | and the second second second |                                     |              |                     |  |                                       |               |   |            | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| -31.2              |  |  |                              |                                     |              |                     |  |                                       |               |   |            |  |
| -41.2              |  |  |                              |                                     |              |                     |  |                                       |               |   |            |  |
| -61.2              |  |  |                              |                                     |              |                     |  |                                       |               |   |            |  |
| Center<br>#Res B   |  |  |                              |                                     |              |                     | #Video BW 300                                | .00 kHz                               |               |   | Sween 1 33 | Span 2 MHz<br>ms (10001 pts)           |
| 2 Metric           |  |  | •                            |                                     |              |                     |  |                                       |               |   | encep noo  |  |
|                    |  |  |                              |                                     |              |                     |  |                                       |               |   |            |  |
|                    |  | 0                                      | united Dama                  | -1: -141-                           |              |                     |  |                                       |               |   |            |  |
|                    |  | Ucci                                   | upied Band                   | 1.0678                              | MHz          |                     |  |                                       | Total Power   |   | 12.8 dBm   |  |
|                    |  |  | smit Freq                    |                                     |              | 9.420 kHz           |  |                                       | % of OBW Powe | r | 99.00 %    |  |
|                    |  | x dB                                   | Bandwidt                     | h                                   |              | 684.7 kHz           |  |                                       | x dB          |   | -6.00 dB   |  |
|                    |  |  |                              |                                     |              |                     |  |                                       |               |   |            |  |
|                    | 5                                      |  | ]?                           | Sep 26,<br>5:31:27                  | 2022<br>7 PM |                     |  |                                       |               |   |            |  |



## **Occupied Channel Bandwidth**

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | BLE  | 2402            | Ant1    | 1.037831193   |
| NVNT      | BLE  | 2442            | Ant1    | 1.038512064   |
| NVNT      | BLE  | 2480            | Ant1    | 1.040438018   |







| Occup       | um Analy<br>ied BW                      |                                 |  | • +  |                |              |  |          |  |        |   |                      |                |
|-------------|---|---------------------------------|--|--|----------------|--------------|--|----------|--|--------|---|----------------------|----------------|
| R<br>R      | SIGHT<br>.≁                             | Input: F<br>Couplir<br>Align: A | ng: DC   | Input Ζ: 50 Ω<br>Corr CCorr<br>Freq Ref: Int (S) |                | : 30 dB      | Trig: Free Run<br>Gate: Off<br>#IF Gain: Low |          | req: 2.4800000<br>: 1000/1000<br>d: None | 00 GHz |   |                      |                |
| 1 Grap      | h                                       |                                 | v  |  |                |              | Ref LvI Offset                               | 8.81 dB  |  |        |   |                      |                |
|             | Div 10.0                                | dB                              |  |  |                |              | Ref Value 28.8                               | 1 dBm    |  |        |   |                      |                |
| Log<br>18.8 |   |                                 |  |  |                |              |  |          |  |        |   |                      |                |
| 8.81        |   |                                 |  |  |                |              |  |          |  |        |   |                      |                |
| -1.19       |   |                                 |  |  |                |              |  | $\sim$   | $\sim$                                   |        |   |                      |                |
| -11.2       |   |                                 |  |  |                | ~~~~         |  |          |  |        |   |                      |                |
| -21.2 -     |   |                                 | ~~~  | mm 1   | ~~~            |              |  |          |  |        | h | ~~~~                 |                |
| -31.2       |   |                                 | and the second s |  |                |              |  |          |  |        |   |                      | have a         |
| -51.2       | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~~                            |  |  |                |              |  |          |  |        |   |                      | · Vunn         |
| -61.2       |   |                                 |  |  |                |              |  |          |  |        |   |                      |                |
| Cente       | r 2.48000                               | 0 GHz                           |  |  |                | •            | #Video BW 10                                 | 0.00 kHz |  | •      |   |                      | Span 3 MHz     |
| #Res        | <b>3W 30.00</b>                         | )0 kHz                          |  |  |                |              |  |          |  |        |   | Sweep 3.33           | ns (10001 pts) |
| 2 Metri     | cs                                      |                                 | •  |  |                |              |  |          |  |        |   |                      |                |
|             |   |                                 |  |  |                |              |  |          |  |        |   |                      |                |
|             |   |                                 |  |  |                |              |  |          |  |        |   |                      |                |
|             |   | Oc                              | cupied Ban   | dwidth<br>1.0404 MHz                             |                |              |  |          | T-4-1 D                                  | -      |   | 40.0 JD              |                |
|             |   |                                 |  |  |                |              |  |          | Total Powe                               |        |   | 13.6 dBm             |                |
|             |   |                                 | nsmit Freq<br>B Bandwidt   |  | 8.324<br>1.290 |              |  |          | % of OBW<br>x dB                         | Powe   | r | 99.00 %<br>-26.00 dB |                |
|             |   | xu                              |  | n  | 1.290          |              |  |          | X UD                                     |        |   | -20.00 dB            |                |
|             |   |                                 |  |  |                |              |  |          |  |        |   |                      |                |
|             | 5                                       |                                 | 2  | Sep 26, 2022<br>5:31:14 PM                       | $\bigcirc$     | $\mathbf{A}$ |  |          |  |        |   |                      |                |



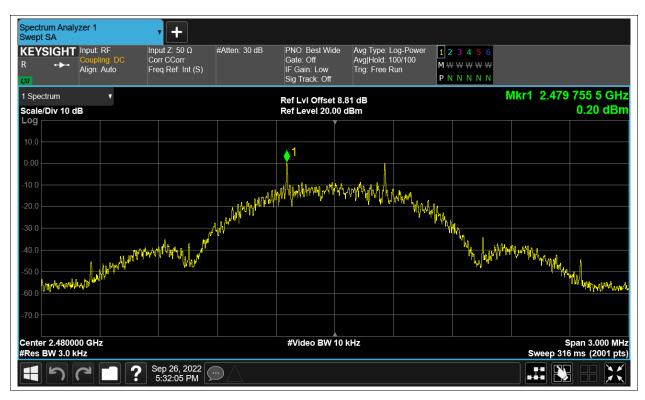
# **Maximum Power Spectral Density Level**

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT      | BLE  | 2402            | Ant1    | 0.592         | 8           | Pass    |
| NVNT      | BLE  | 2442            | Ant1    | 0.496         | 8           | Pass    |
| NVNT      | BLE  | 2480            | Ant1    | 0.205         | 8           | Pass    |







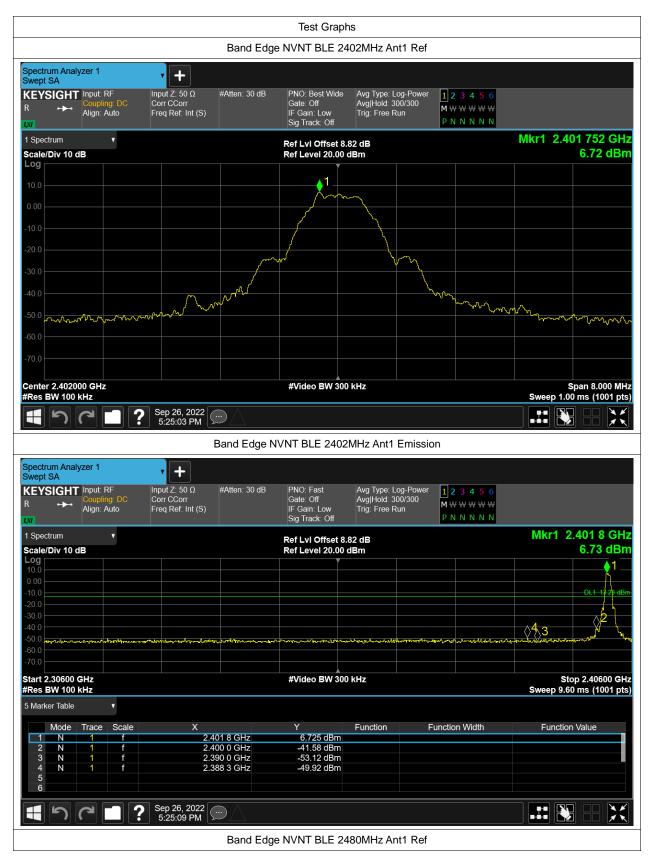




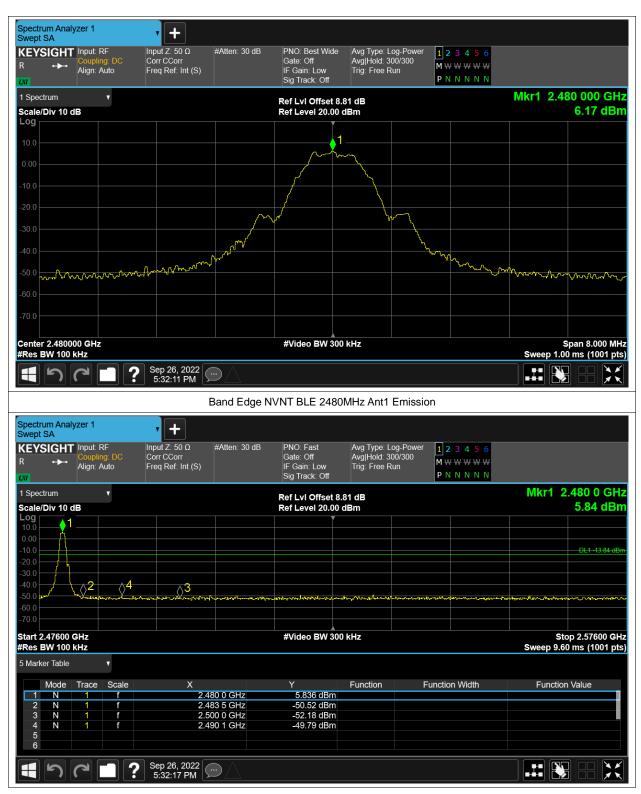
## **Band Edge**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE  | 2402            | Ant1    | -56.63          | -20         | Pass    |
| NVNT      | BLE  | 2480            | Ant1    | -55.95          | -20         | Pass    |











# **Conducted RF Spurious Emission**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE  | 2402            | Ant1    | -45.48          | -20         | Pass    |
| NVNT      | BLE  | 2442            | Ant1    | -49.76          | -20         | Pass    |
| NVNT      | BLE  | 2480            | Ant1    | -48.68          | -20         | Pass    |











