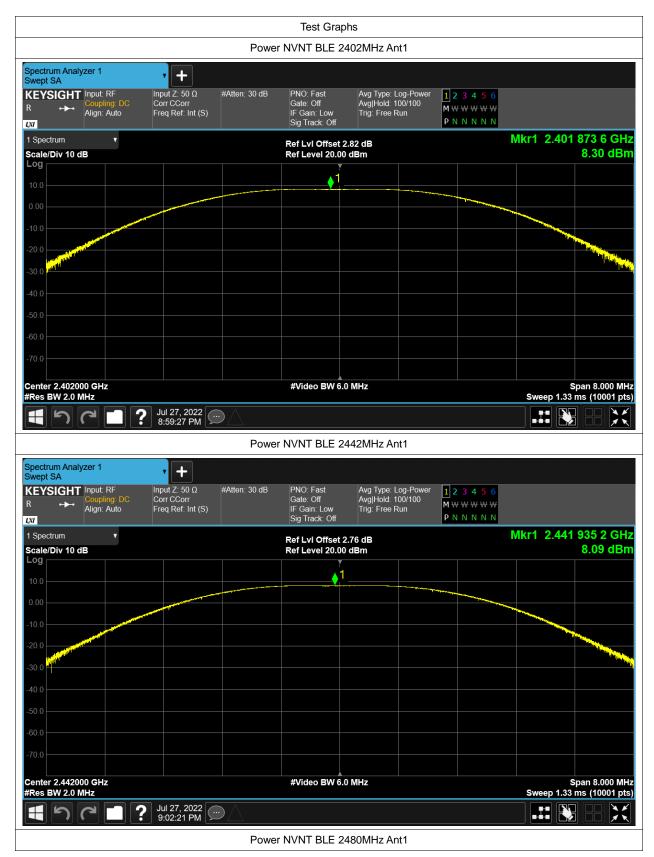


Test Data

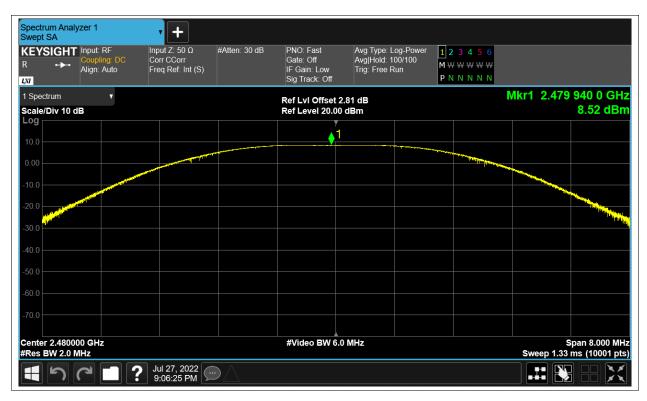
Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | BLE | 2402 | Ant1 | 8.298 | 30 | Pass |
| NVNT | BLE | 2442 | Ant1 | 8.087 | 30 | Pass |
| NVNT | BLE | 2480 | Ant1 | 8.521 | 30 | Pass |











-6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | limit | Verdic |
|-----------|------|-----------------|---------|-----------------------|-------|--------|
| NVNT | BLE | 2402 | Ant1 | 1.116 | 0.5 | Pass |
| NVNT | BLE | 2442 | Ant1 | 1.113 | 0.5 | Pass |
| NVNT | BLE | 2480 | Ant1 | 1.099 | 0.5 | Pass |











Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | BLE | 2402 | Ant1 | 2.07789677 |
| NVNT | BLE | 2442 | Ant1 | 2.072066109 |
| NVNT | BLE | 2480 | Ant1 | 2.082430588 |







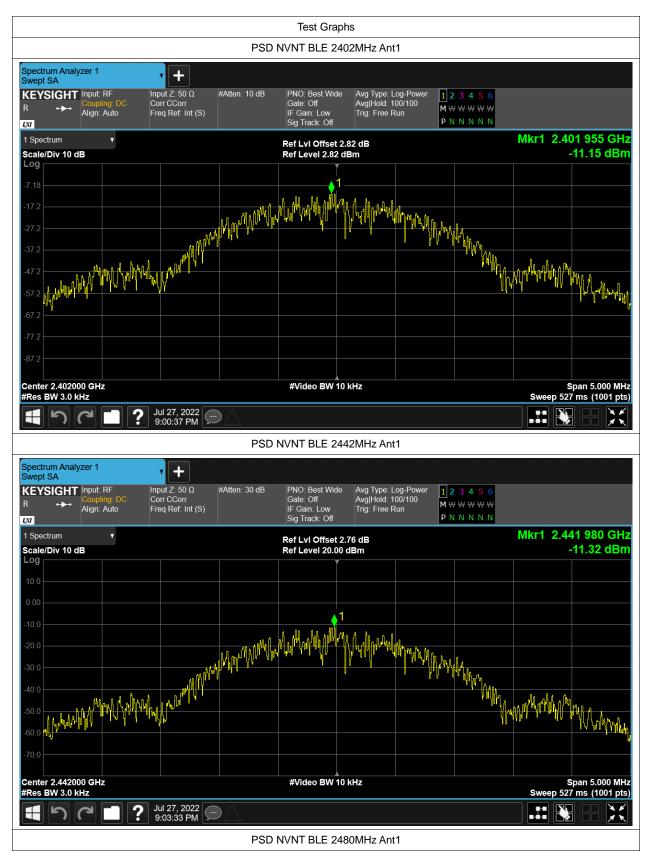




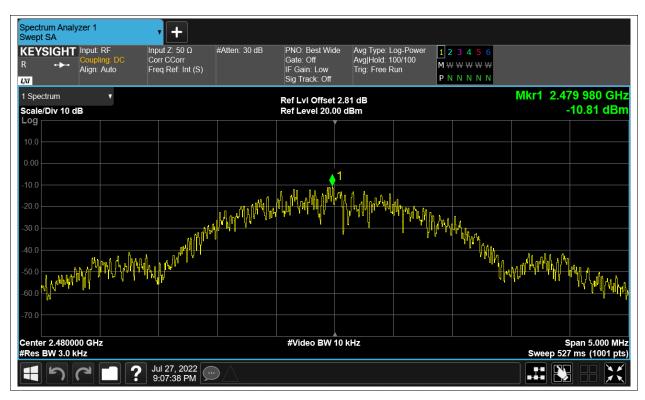
Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT | BLE | 2402 | Ant1 | -11.149 | 8 | Pass |
| NVNT | BLE | 2442 | Ant1 | -11.323 | 8 | Pass |
| NVNT | BLE | 2480 | Ant1 | -10.814 | 8 | Pass |











Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | BLE | 2402 | Ant1 | -57.43 | -20 | Pass |
| NVNT | BLE | 2480 | Ant1 | -53.98 | -20 | Pass |







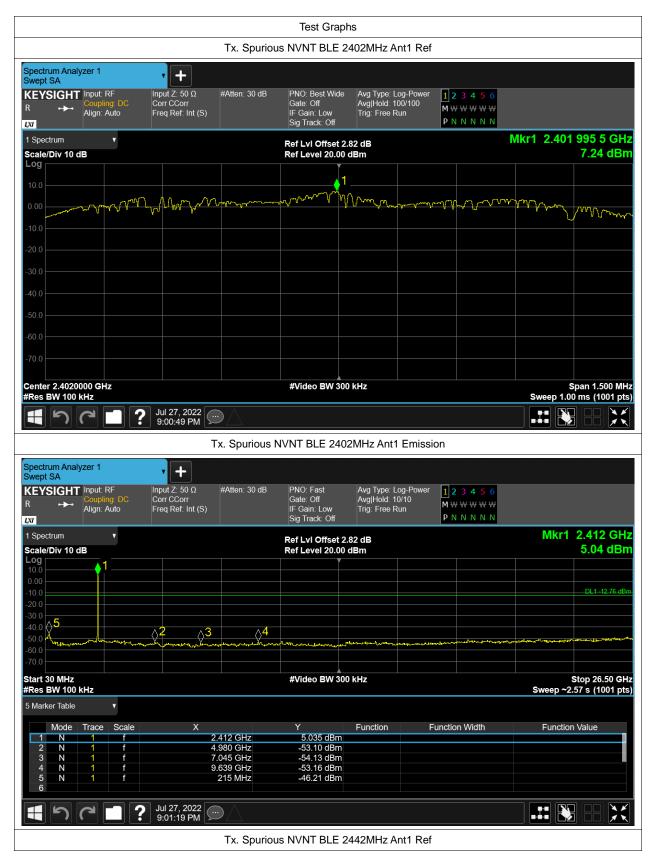




Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | BLE | 2402 | Ant1 | -53.44 | -20 | Pass |
| NVNT | BLE | 2442 | Ant1 | -54.71 | -20 | Pass |
| NVNT | BLE | 2480 | Ant1 | -55.06 | -20 | Pass |







| Spectrum Analyzer 1 Swept SA | • + | | | | | | |
|--|--|---------------|---|---|---|-------------|---|
| Coupling: DC | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | Avg Type: Log-Pow Avg Hold: 100/100 Trig: Free Run | er 123456 M₩₩₩₩₩₩ PNNNNN | | |
| 1 Spectrum | | | Ref Lvl Offset 2 | 76 dB | | Mkr1 2.441 | 989 5 GHz |
| Scale/Div 10 dB | | | Ref Level 20.00 | | | | 7.04 dBm |
| 10.0 | | | ľ | | | | |
| - 0 N | \mathcal{M} | ᠂ᠰᡙ᠕᠕ᡁ᠁ | man m | man and a second | mm | γ | |
| warner of the second se | V V h/- | | | Υ | | | Mr Marin |
| -10.0 | | | | | | | |
| -20.0 | | | | | | | |
| -30.0 | | | | | | | |
| -40.0 | | | | | | | |
| -50.0 | | | | | | | |
| -60.0 | | | | | | | |
| -70.0 | | | | | | | |
| Center 2.4420000 GHz | | | #Video BW 300 | 0 kHz | | S | pan 1.500 MHz |
| #Res BW 100 kHz | | | | | | Sweep 1.00 | ms (1001 pts) |
| 4 っ С 1 ? | Jul 27, 2022 9:03:37 PM | | | | | | |
| | Tx | . Spurious N | IVNT BI F 244 | 2MHz Ant1 Emis | sion | | |
| | | | | | | | |
| Spectrum Analyzer 1 | | | | | | | |
| Swept SA KEYSIGHT Input: RF | τ Input Z: 50 Ω | #Atten: 30 dB | PNO: Fast | Avg Type: Log-Pow | | | |
| Swept SA KEYSIGHT R Input: RF Coupling: DC Align: Auto | • + | - | PNO: Fast Gate: Off IF Gain: Low | | er 123456 M₩₩₩₩₩₩ | | |
| Swept SA KEYSIGHT R ↔ Align: Auto | T + Input Z: 50 Ω # Corr CCorr | - | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run | er 123456 | Mkr1 | 2 439 GHz |
| Swept SA KEYSIGHT R → Coupling: DC Align: Auto 1 Spectrum Scale/Div 10 dB | T + Input Z: 50 Ω # Corr CCorr | - | PNO: Fast Gate: Off IF Gain: Low | Avg Type: Log-Pow Avg]Hold: 10/10 Trig: Free Run .76 dB | er 123456 M₩₩₩₩₩₩ | Mkr1 | 2.439 GHz 3.53 dBm |
| Swept SA KEYSIGHT R Align: Auto LVI 1 Spectrum Scale/Div 10 dB Log 10.0 1 | T + Input Z: 50 Ω # Corr CCorr | - | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 | Avg Type: Log-Pow Avg]Hold: 10/10 Trig: Free Run .76 dB | er 123456 M₩₩₩₩₩₩ | Mkr1 | |
| Swept SA KEYSIGHT R Coupling: DC Aign: Auto V Scale/Div 10 dB Log | T + Input Z: 50 Ω # Corr CCorr | - | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 | Avg Type: Log-Pow Avg]Hold: 10/10 Trig: Free Run .76 dB | er 123456 M₩₩₩₩₩₩ | Mkr1 | |
| Swept SA KEYSIGHT R Imput: RF Coupling: DC Align: Auto 1 Spectrum Scale/Div 10 dB Log 100 -0.00 | T + Input Z: 50 Ω # Corr CCorr | - | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 | Avg Type: Log-Pow Avg]Hold: 10/10 Trig: Free Run .76 dB | er 123456 M₩₩₩₩₩₩ | Mkr1 | 3.53 dBm |
| Swept SA Input: RF R Auto 1 Spectrum v Scale/Div 10 dB 100 1 -200 -300 | Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) | - | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 | Avg Type: Log-Pow Avg]Hold: 10/10 Trig: Free Run .76 dB | er 123456 M₩₩₩₩₩₩ | Mkr1 | 3.53 dBm |
| Swept SA KEYSIGHT Input: RF R → Auto I Spectrum ✓ Scale/Div 10 dB ✓ 100 ✓ | T + Input Z: 50 Ω # Corr CCorr | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 | Avg Type: Log-Pow Avg]Hold: 10/10 Trig: Free Run .76 dB | er 123456 M₩₩₩₩₩₩ | Mkr1 | 3.53 dBm |
| Swept SA Input: RF R Input: RF 200 Align: Auto 1 Spectrum V Scale/Div 10 dB Input: RF 100 Input: RF < | Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 Ref Level 20.00 | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M₩₩₩₩₩₩ | | 3.53 dBm |
| Swept SA KEYSIGHT Input: RF R → Auto I Spectrum ✓ Scale/Div 10 dB ✓ 100 ✓ | Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M₩₩₩₩₩₩ | | 3.53 dBm |
| Swept SA KEYSIGHT R Input: RF Coupling: DC Align: Auto I Spectrum V Scale/Div 10 dB V 100 | Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 Ref Level 20.00 | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M₩₩₩₩₩₩ | | 3.53 dBm DL1-12.96 dBm |
| Swept SA Input: RF R Input: RF 200 Align: Auto 1 Spectrum V Scale/Div 10 dB Imput: RF 100 Imput: RF < | Liput Z: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.000 | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M₩₩₩₩₩₩ | | 3.53 dBm DL1-12 96 dBm 500 26.50 GHz 57 s (1001 pts) |
| Swept SA KEYSIGHT R | Liput Z: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 Ref Level 20.00 | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M W W W W W P N N N N N | Sweep ~2.5 | 3.53 dBm DL1-12 96 dBm 500 26.50 GHz 57 s (1001 pts) |
| Swept SA Input: RF R Input: RF Quiling: DC Align: Auto 1 Spectrum Imput: RF Scale/Div 10 dB Imput: RF 10.0 Imput: RF 20.0 Imput: RF -30.0 Imput: RF -30.0 <td>Liput Z: 50 Ω Corr CCorr Freq Ref: Int (S)</td> <td>#Atten: 30 dB</td> <td>PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00 #Video BW 300 #Video BW 300 Y 3.531 dBm -53.57 dBm</td> <td>Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm</td> <td>er 123456 M W W W W W P N N N N N </td> <td>Sweep ~2.5</td> <td>3.53 dBm DL1-12 96 dBm 500 26.50 GHz 57 s (1001 pts)</td> | Liput Z: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00 #Video BW 300 #Video BW 300 Y 3.531 dBm -53.57 dBm | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M W W W W W P N N N N N | Sweep ~2.5 | 3.53 dBm DL1-12 96 dBm 500 26.50 GHz 57 s (1001 pts) |
| Swept SA Input: RF R | Liput Z: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 Ref Level 20.00 #Video BW 300 #Video BW 300 Y 3.531 dBm -54.38 dBm -54.38 dBm | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M W W W W W P N N N N N | Sweep ~2.5 | 3.53 dBm DL1-12 96 dBm 500 26.50 GHz 57 s (1001 pts) |
| Swept SA Input: RF R | Liput Z: 50 Ω Corr CCorr Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2 Ref Level 20.00 #Video BW 300 #Video BW 300 Y 3.531 dBm -54.38 dBm -54.38 dBm | Avg Type: Log-Pow Avg Hold: 10/10 Trig: Free Run .76 dB dBm | er 123456 M W W W W W P N N N N N | Sweep ~2.5 | 3.53 dBm |



