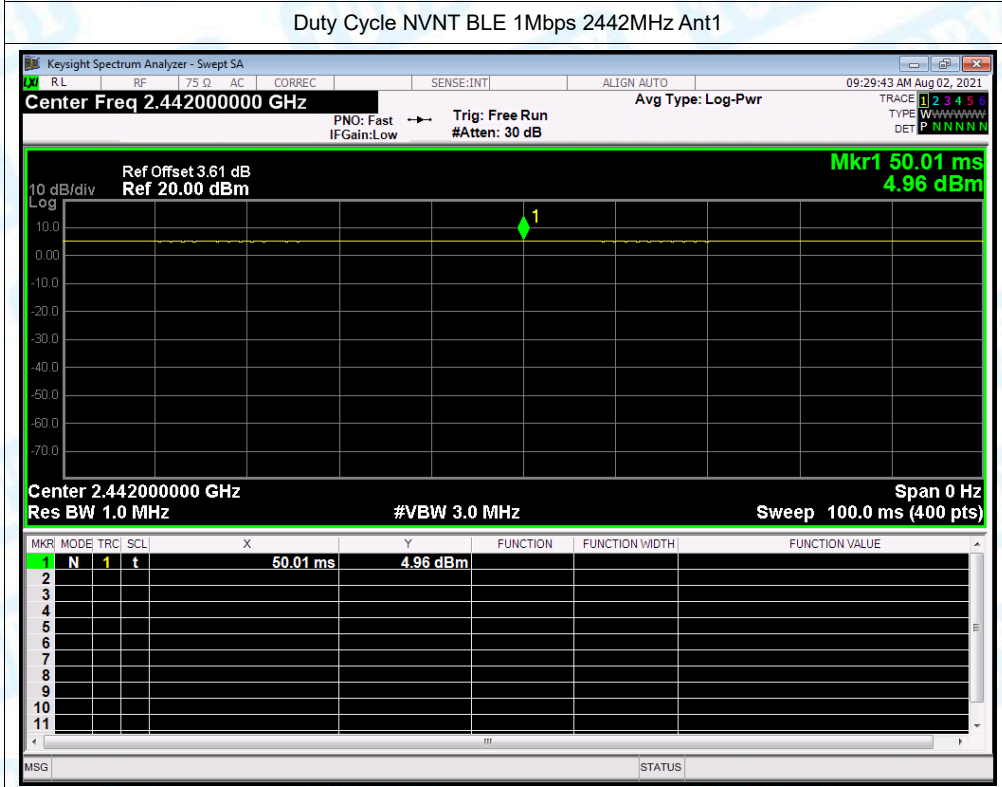
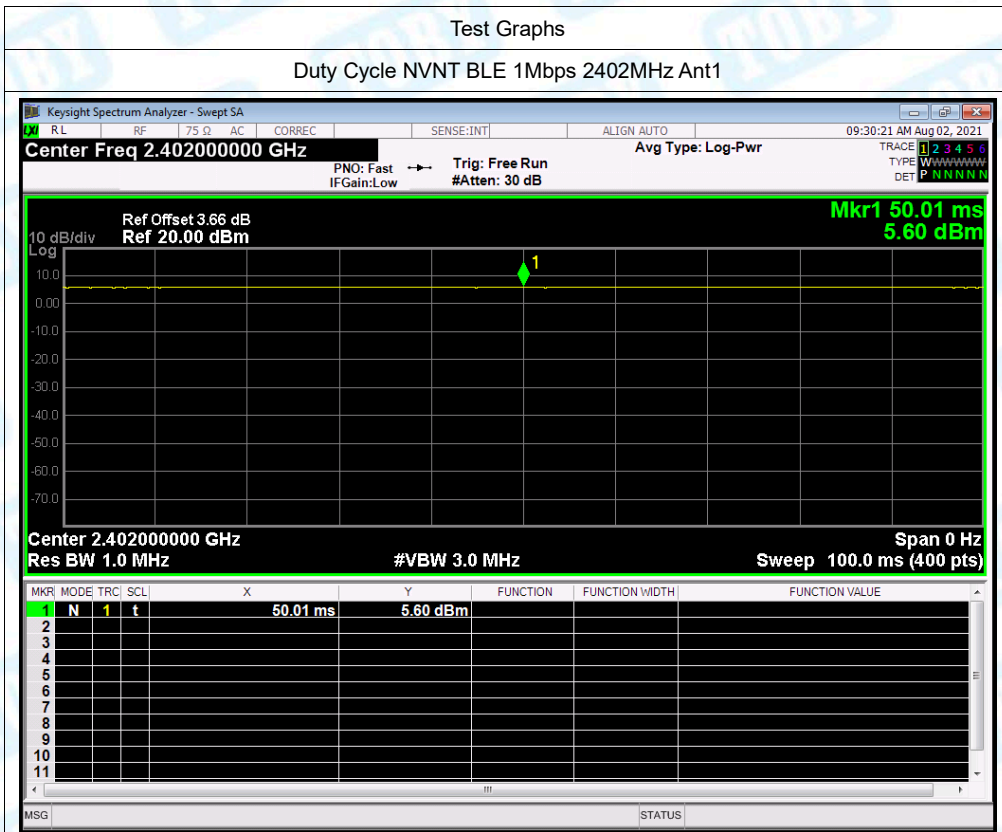


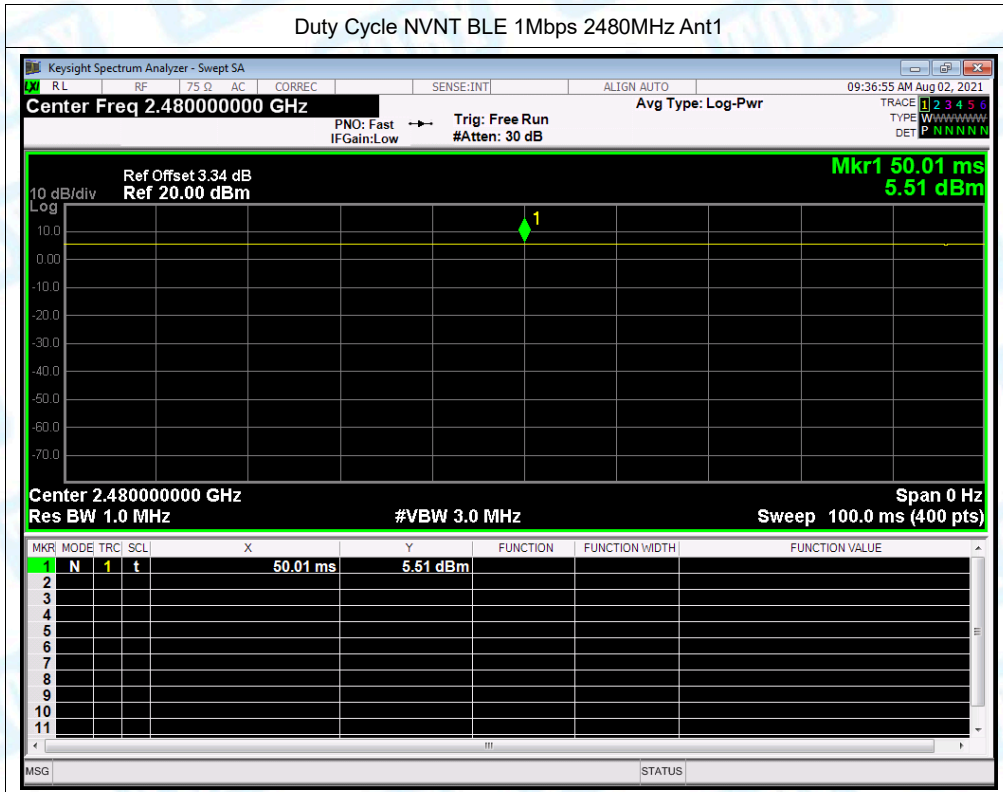
# RF Test Data for Bluetooth LE (Conducted Measurements)

| General Description of EUT  |                 |
|---|-----------------|
| <b>Product Name:</b>  | DVR             |
| <b>Test Model:</b>  | DVR-BTD8-8-4POE |
| <b>Sample ID:</b>   | 20210720-32-02  |
| Environmental Conditions  |                 |
| <b>Temperature:</b>   | 23.8°C          |
| <b>Relative Humidity:</b>   | 48%             |
| <b>Test Voltage:</b>  | DC 5V           |
| <b>Test Engineer:</b>   | Huang jian ping |
| <p>Note: For a more detailed features description, please refer to the report TB-FCC182925.</p> |                 |

## 1. Duty Cycle

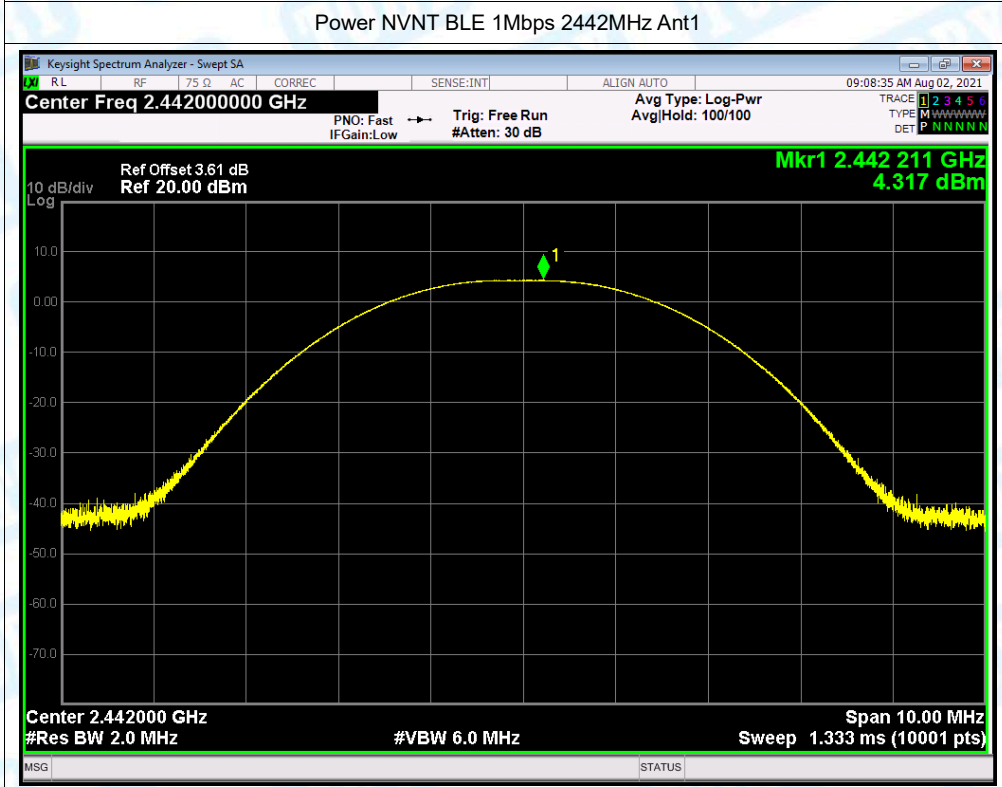
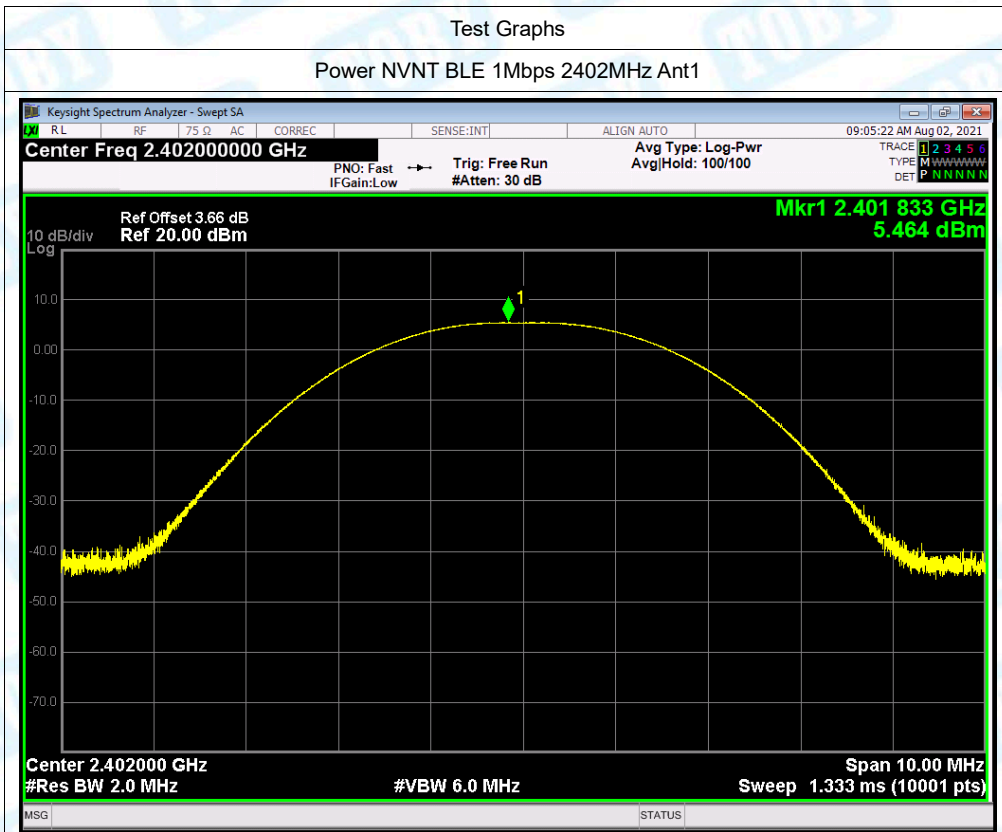
| Condition | Mode      | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-----------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 100            | 0                      | 0         |
| NVNT      | BLE 1Mbps | 2442            | Ant1    | 100            | 0                      | 0         |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 100            | 0                      | 0         |

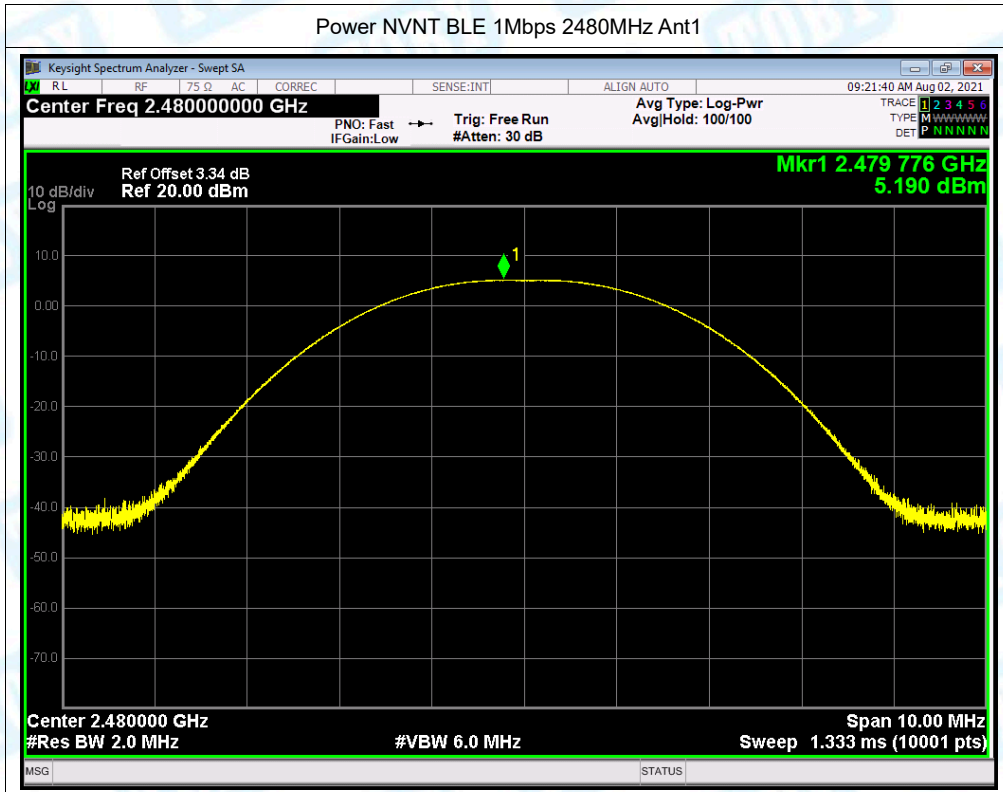




## 2. Maximum Conducted Output Power

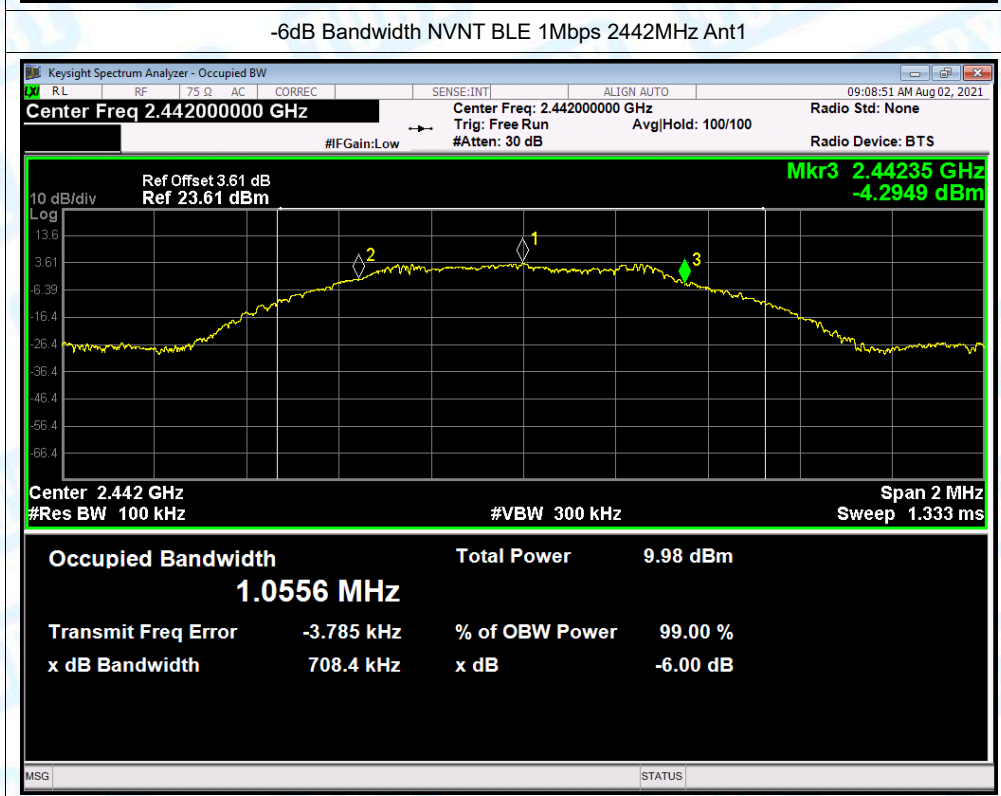
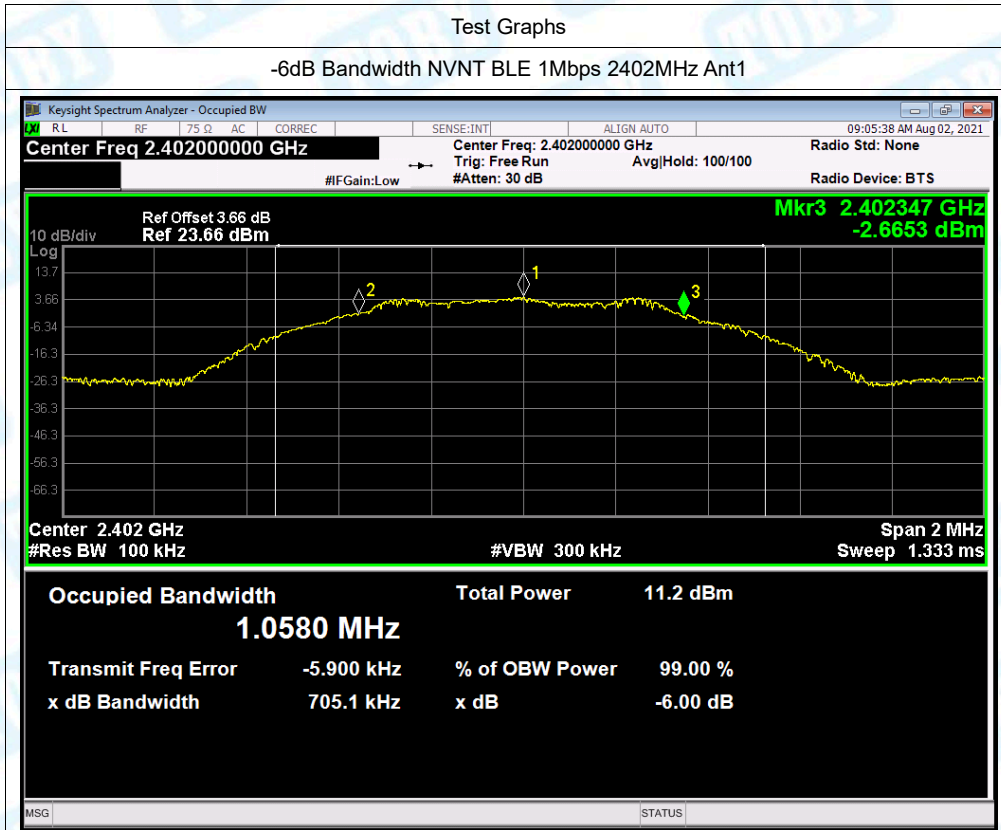
| Condition | Mode      | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|-----------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 5.464                 | 0                | 5.464             | 30          | Pass    |
| NVNT      | BLE 1Mbps | 2442            | Ant1    | 4.317                 | 0                | 4.317             | 30          | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 5.190                 | 0                | 5.190             | 30          | Pass    |



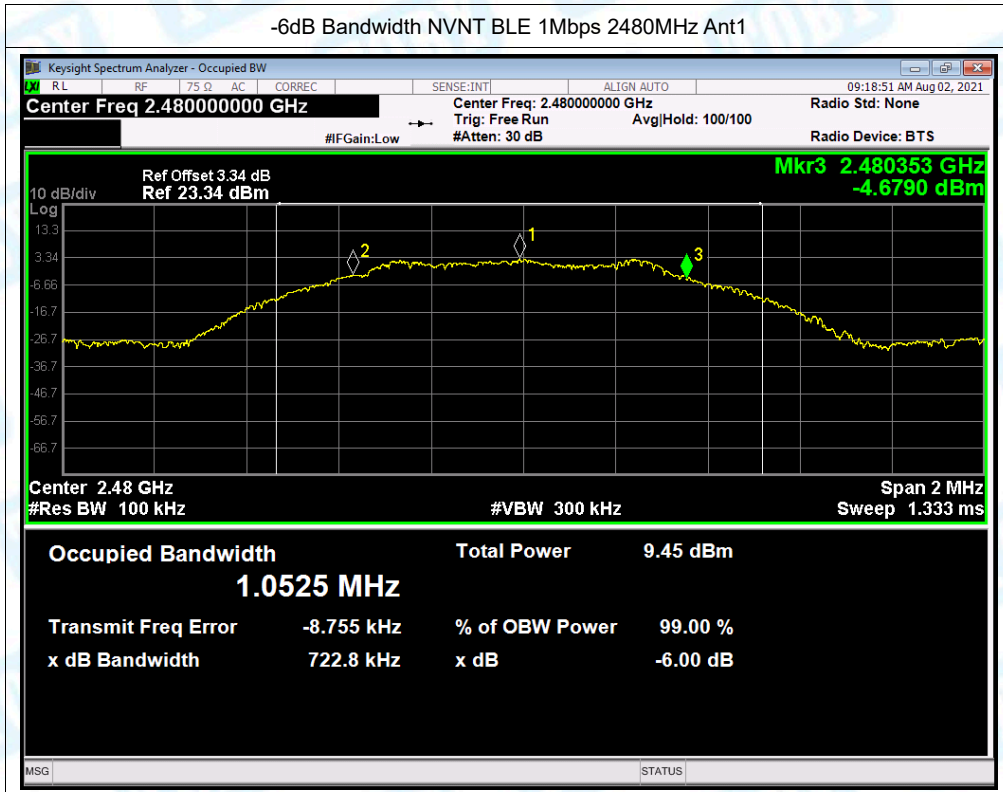


### 3. -6dB Bandwidth

| Condition | Mode      | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|-----------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 0.705                 | 0.5                         | Pass    |
| NVNT      | BLE 1Mbps | 2442            | Ant1    | 0.708                 | 0.5                         | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 0.723                 | 0.5                         | Pass    |





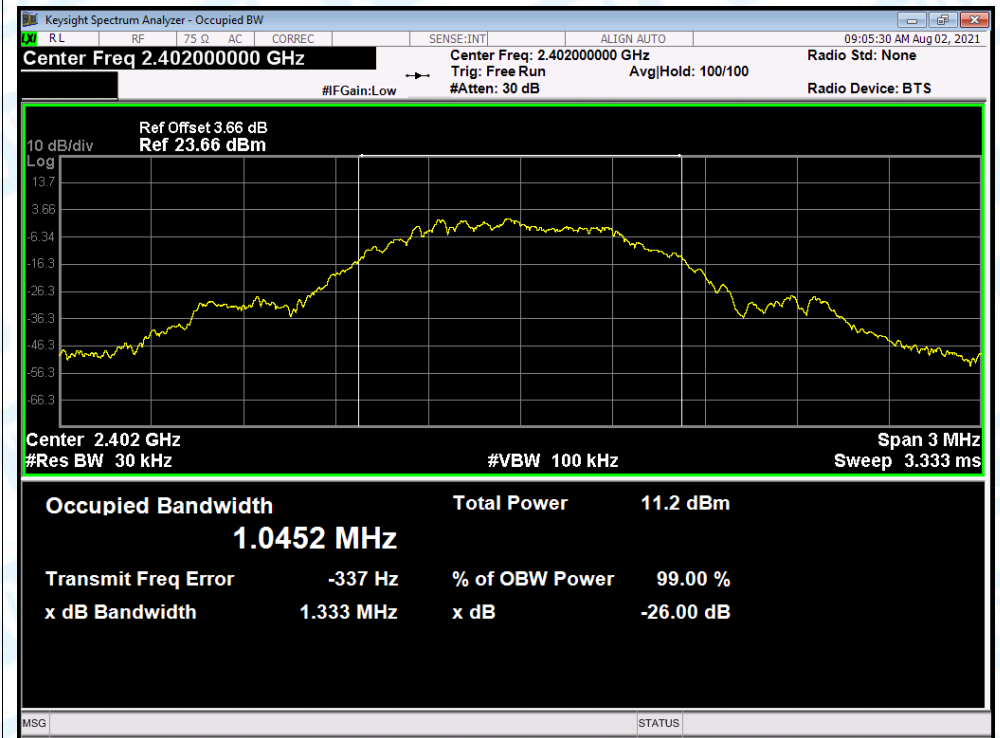


#### 4. Occupied Channel Bandwidth

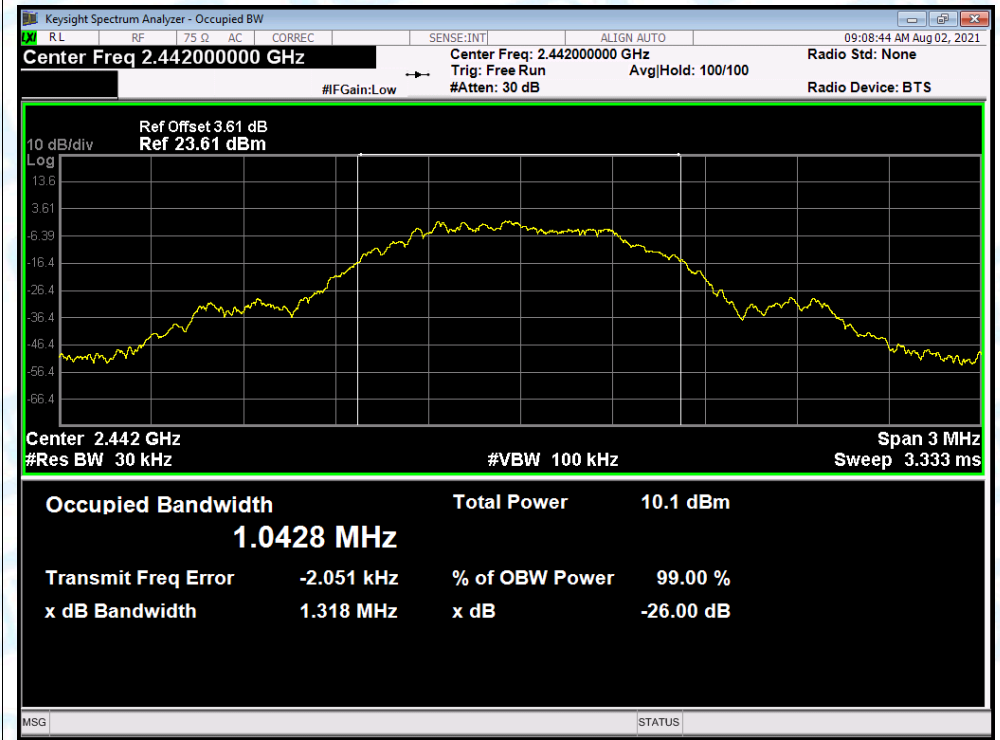
| Condition | Mode      | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-----------|-----------------|---------|---------------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 1.045174446   |
| NVNT      | BLE 1Mbps | 2442            | Ant1    | 1.042801909   |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 1.043153523   |

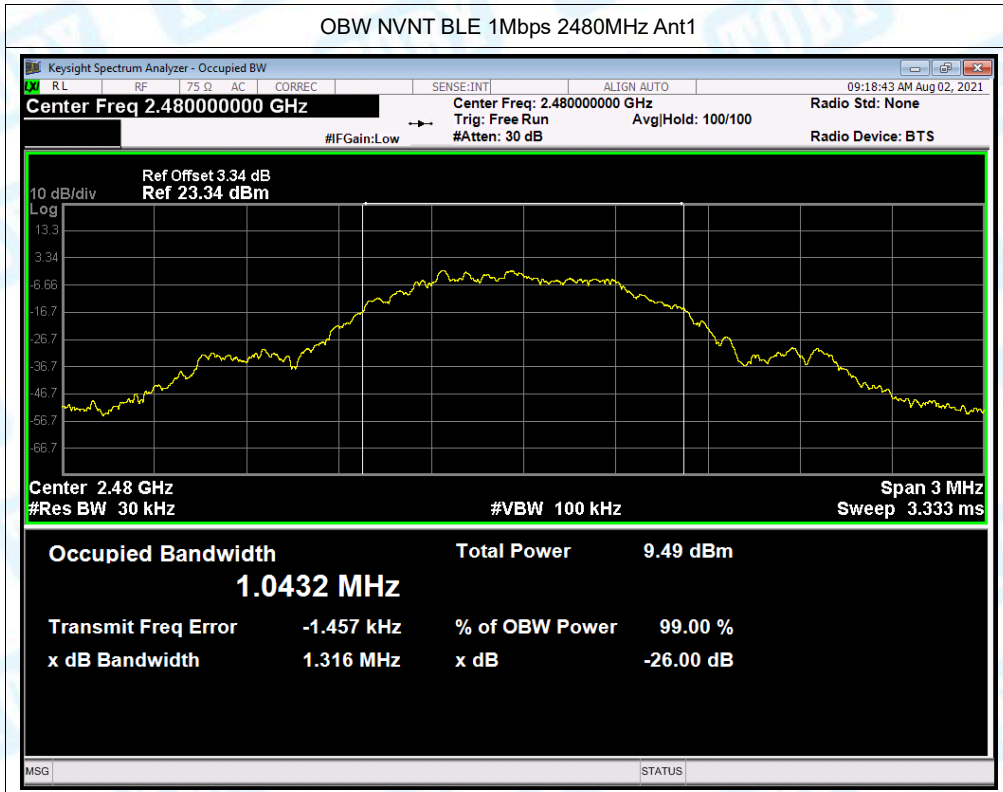
Test Graphs

OBW NVNT BLE 1Mbps 2402MHz Ant1



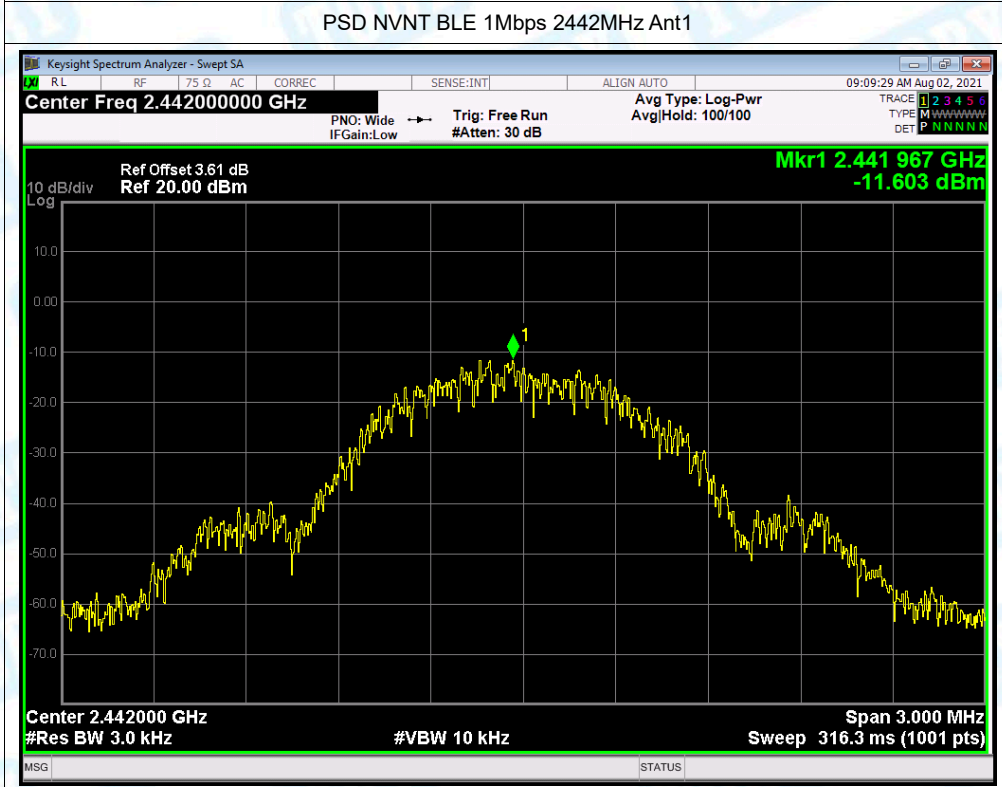
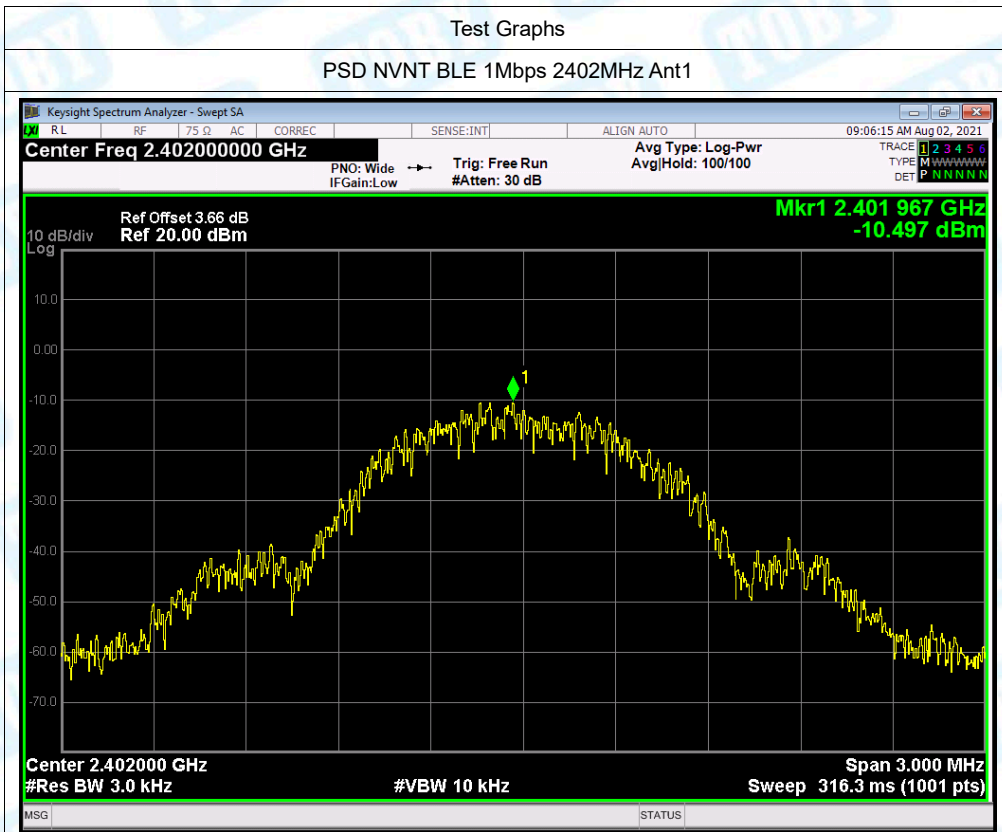
OBW NVNT BLE 1Mbps 2442MHz Ant1

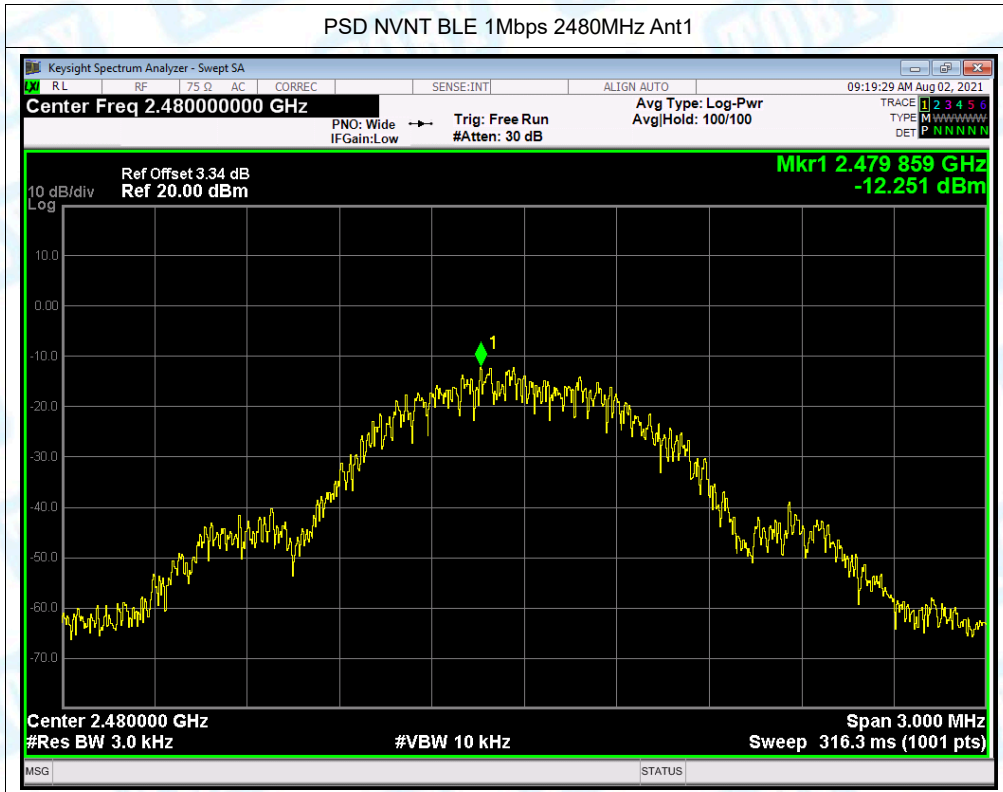




## 5. Maximum Power Spectral Density Level

| Condition | Mode      | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|-----------|-----------------|---------|---------------|-------------|---------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | -10.497       | 8           | Pass    |
| NVNT      | BLE 1Mbps | 2442            | Ant1    | -11.603       | 8           | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | -12.251       | 8           | Pass    |

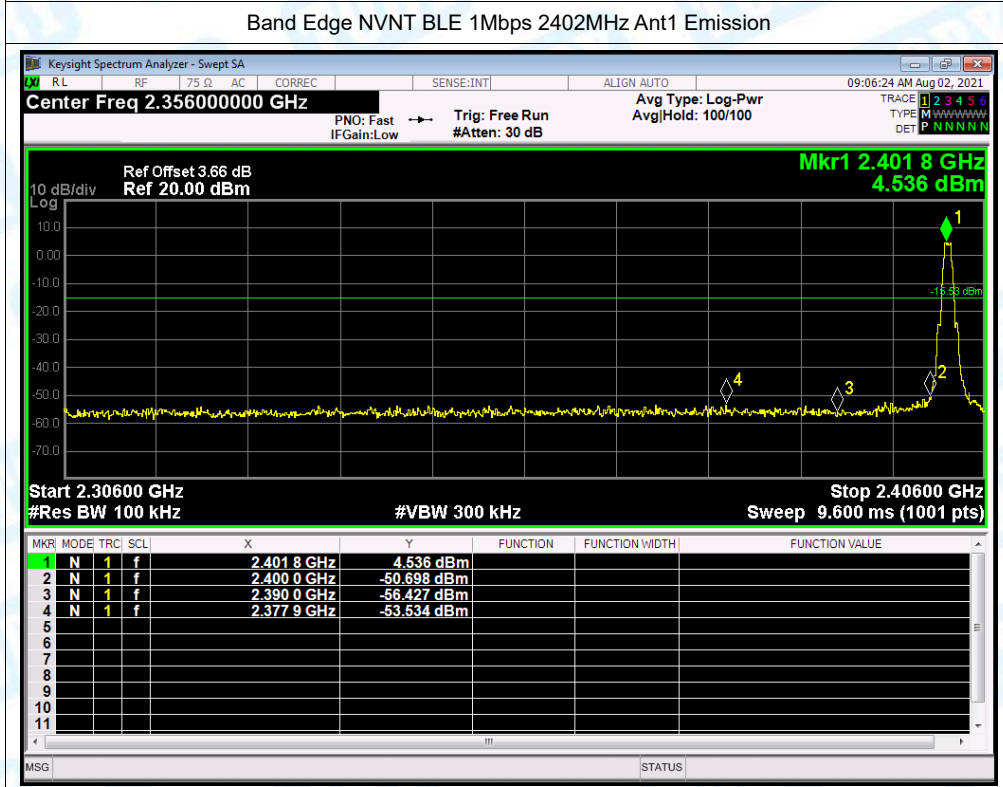
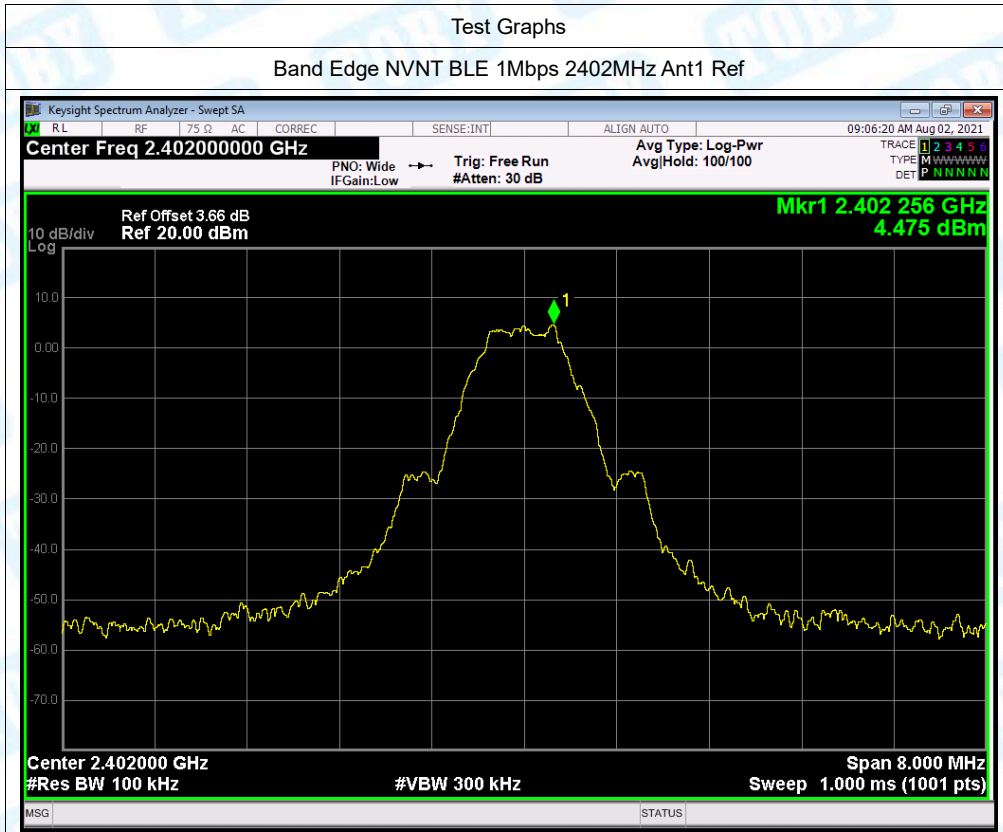


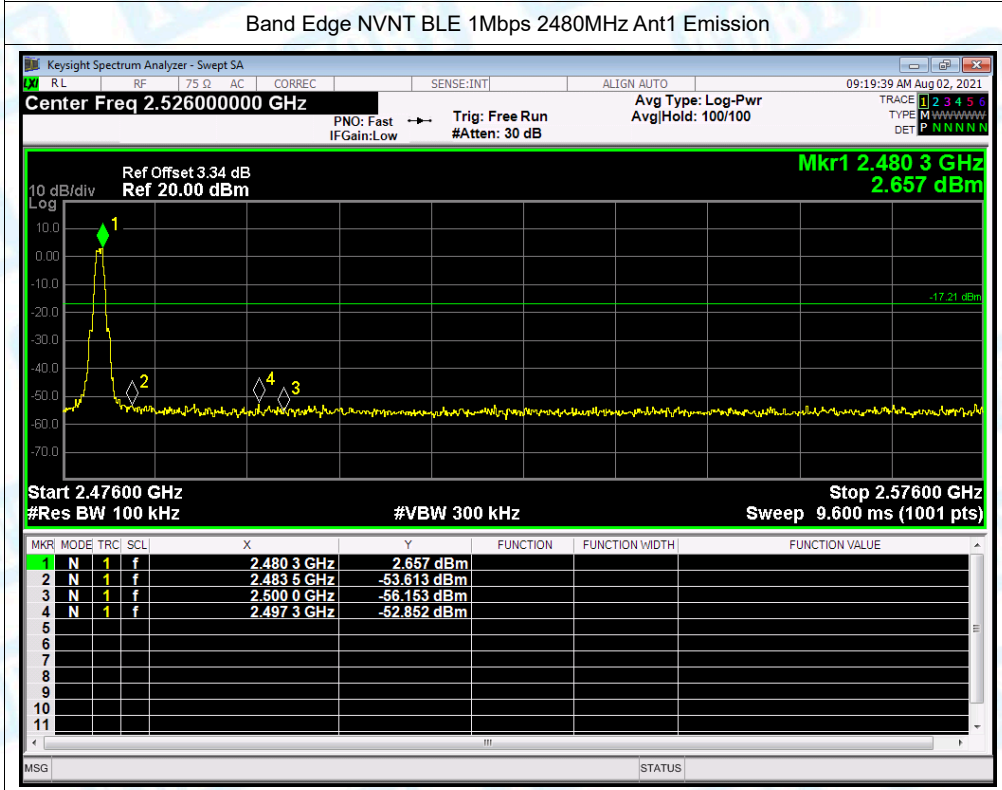
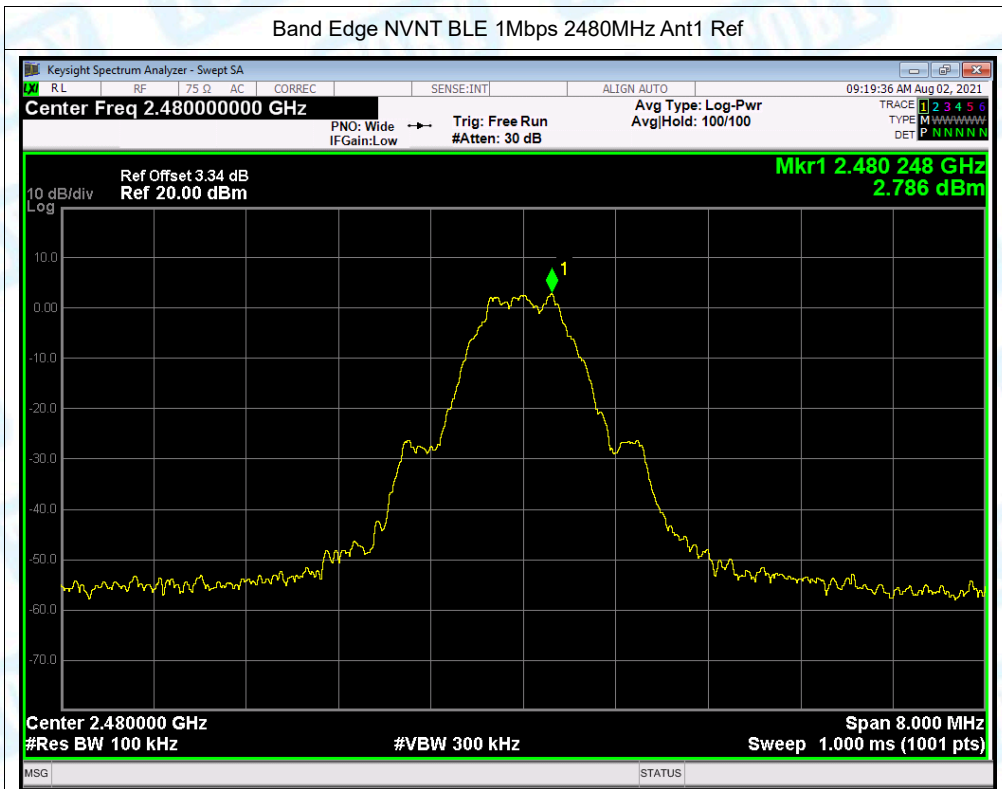


## 6. Band Edge

| Condition | Mode      | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-----------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | -58.01          | -20         | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | -55.64          | -20         | Pass    |

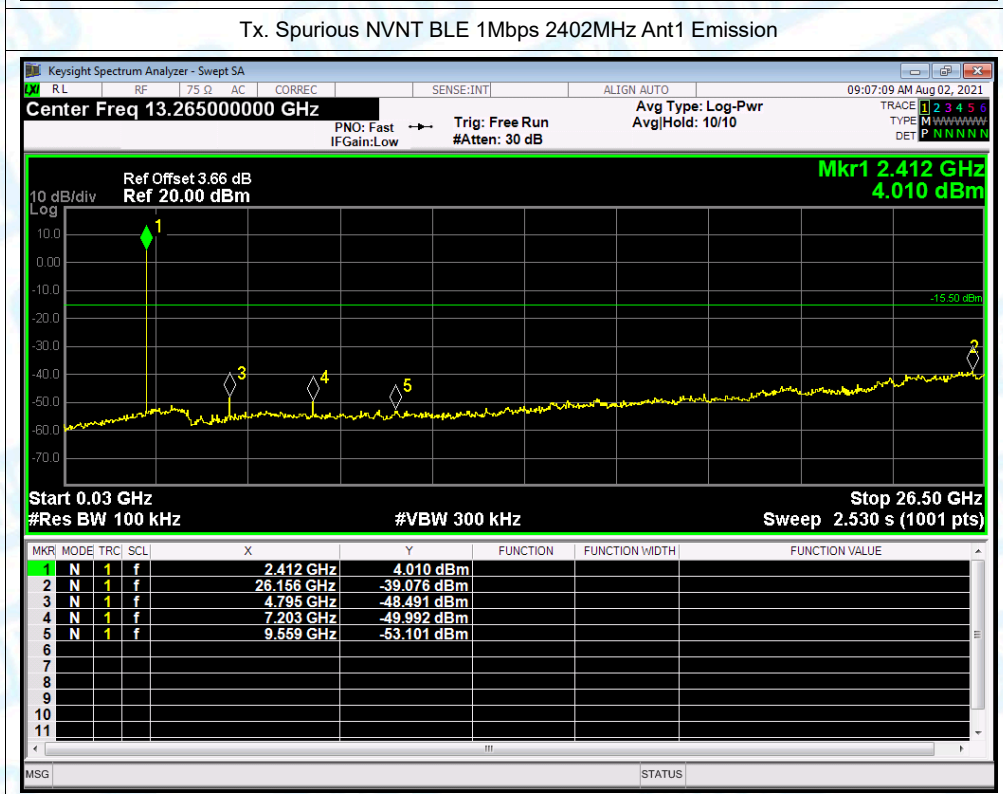
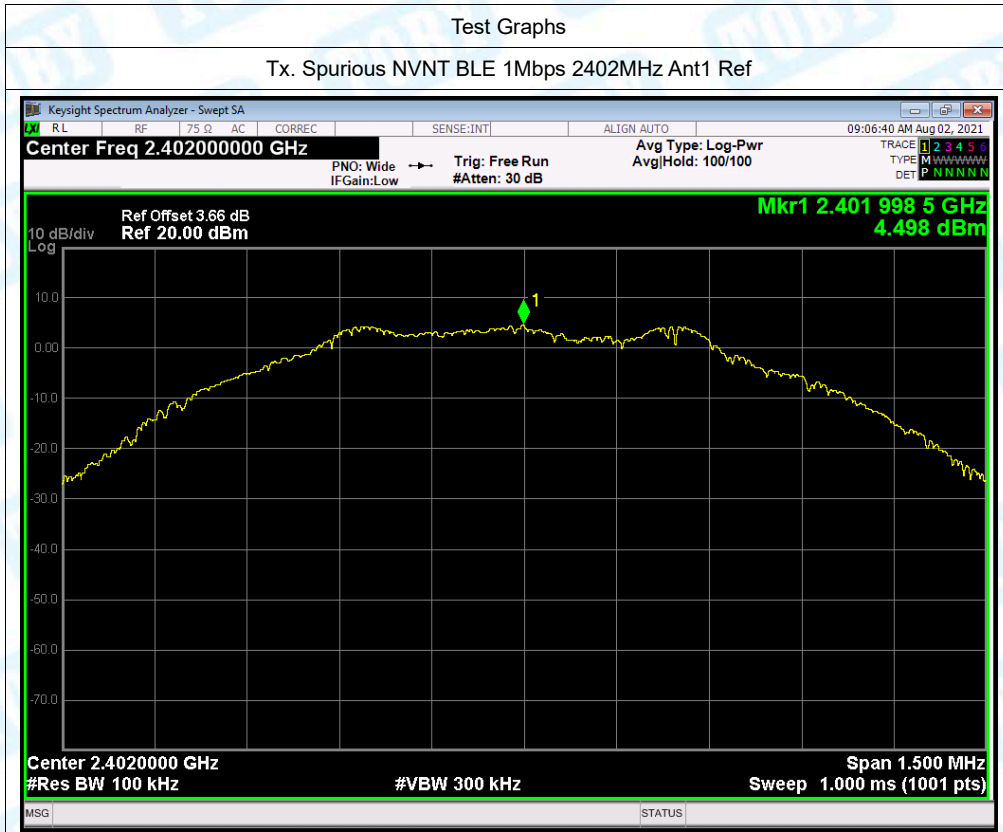




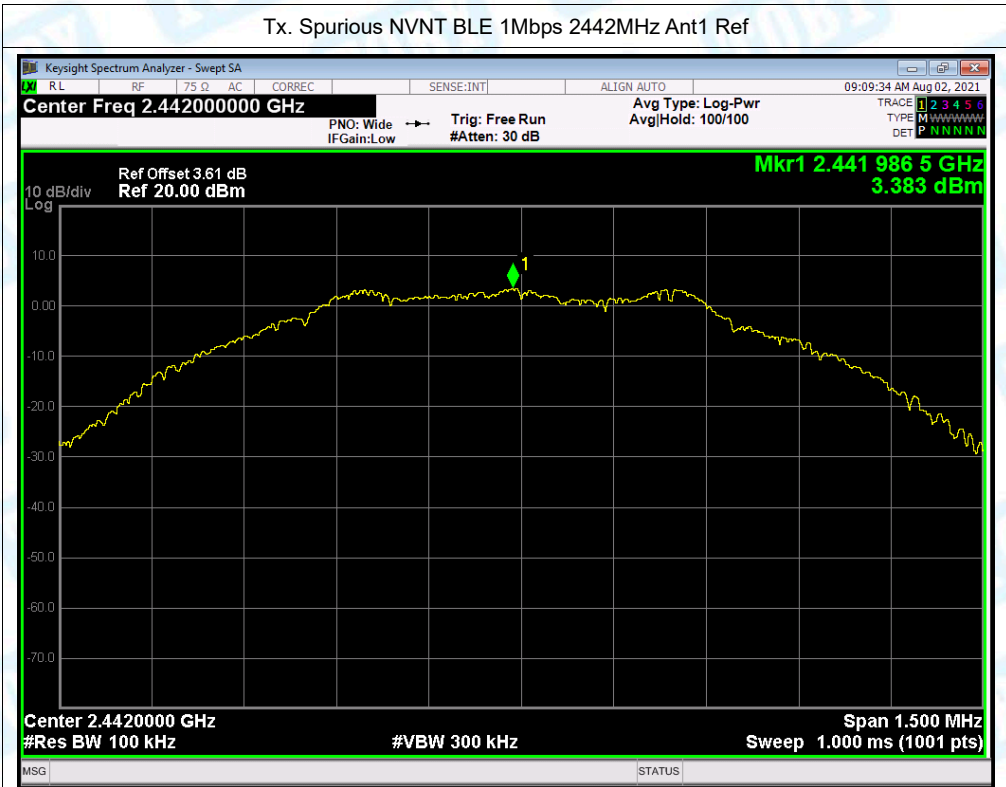


## 7. Conducted RF Spurious Emission

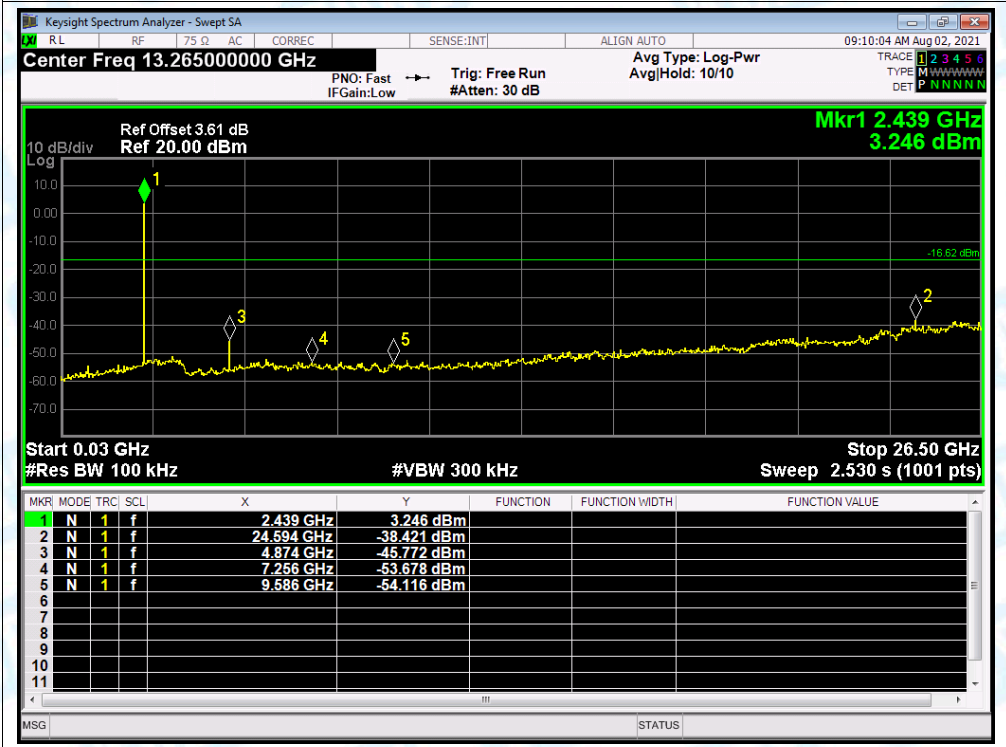
| Condition | Mode      | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-----------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | -43.57          | -20         | Pass    |
| NVNT      | BLE 1Mbps | 2442            | Ant1    | -41.8           | -20         | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | -41.13          | -20         | Pass    |



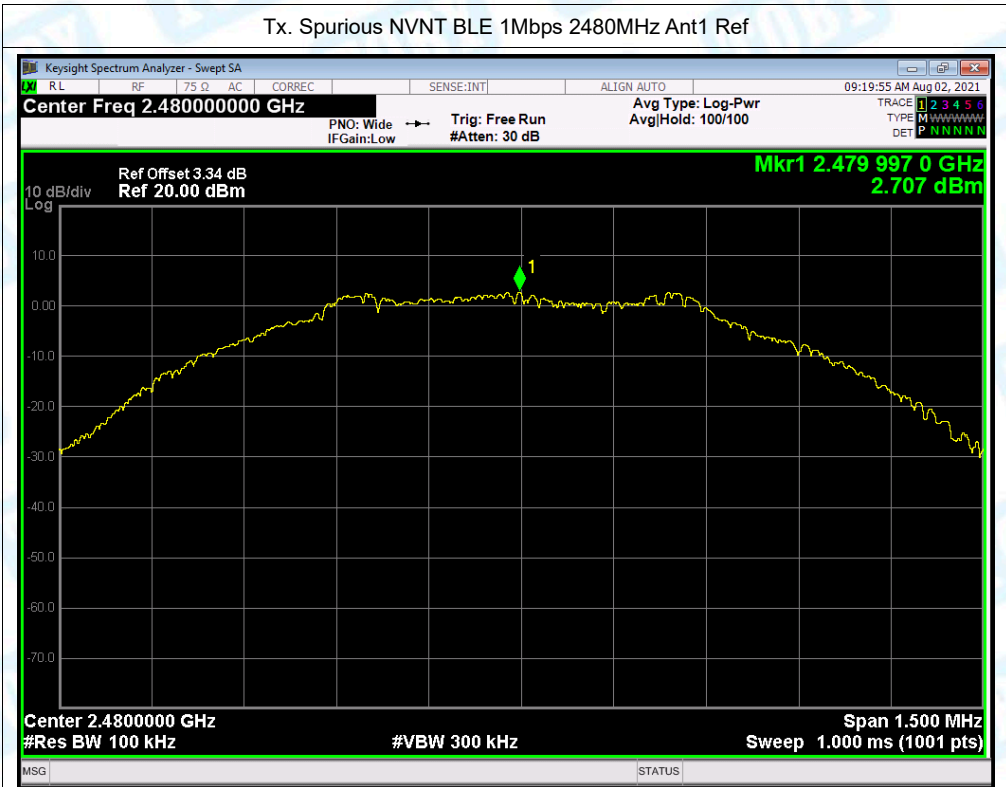
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Ref



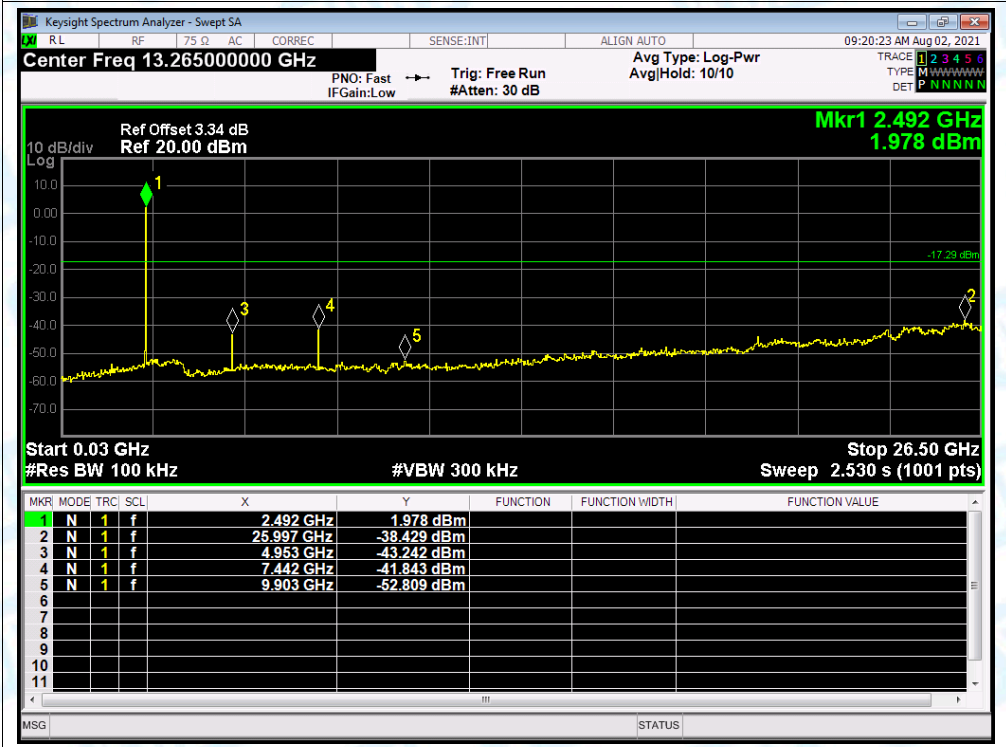
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Ref

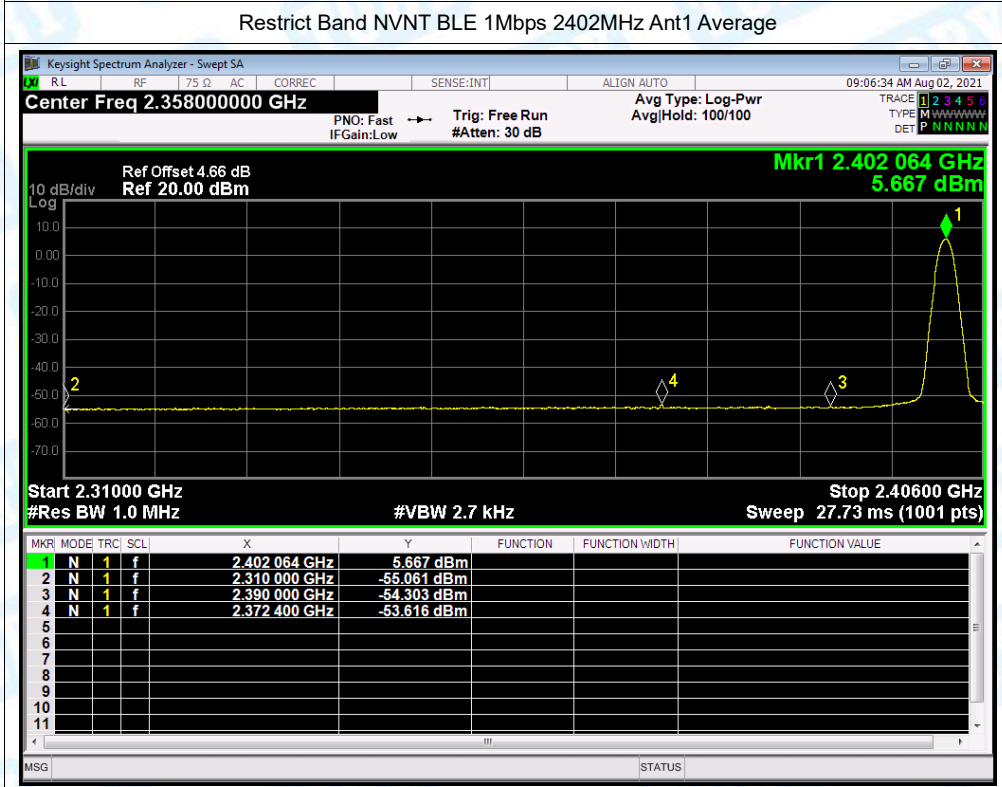
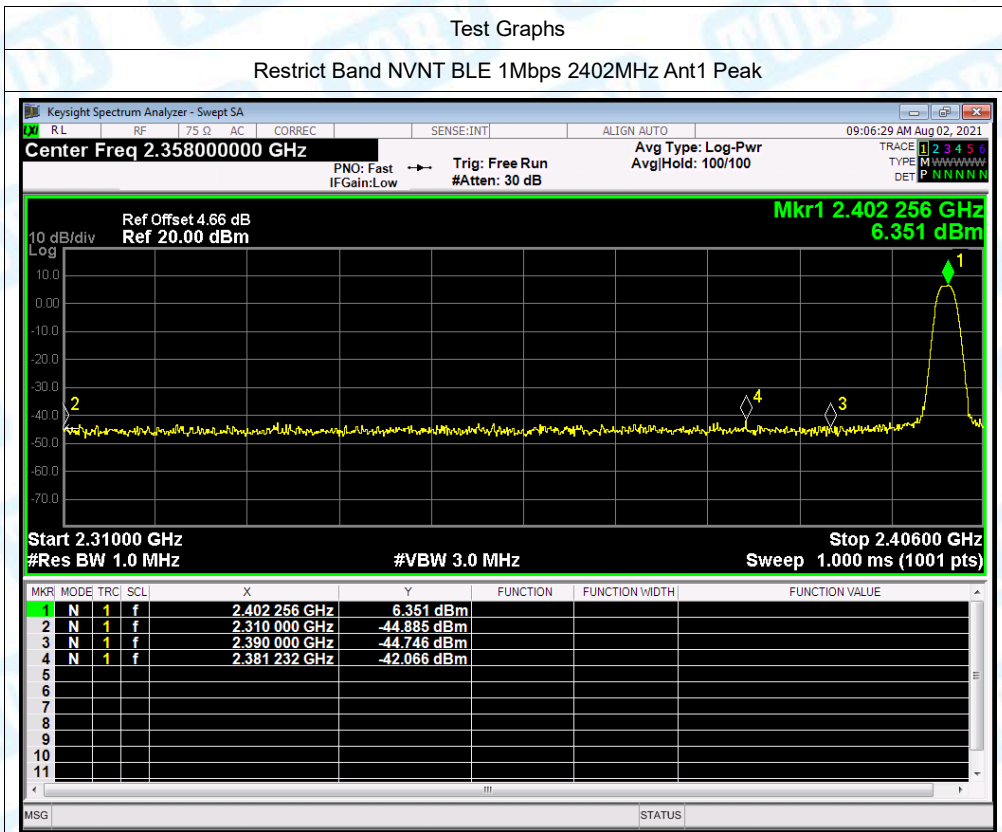


Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Emission

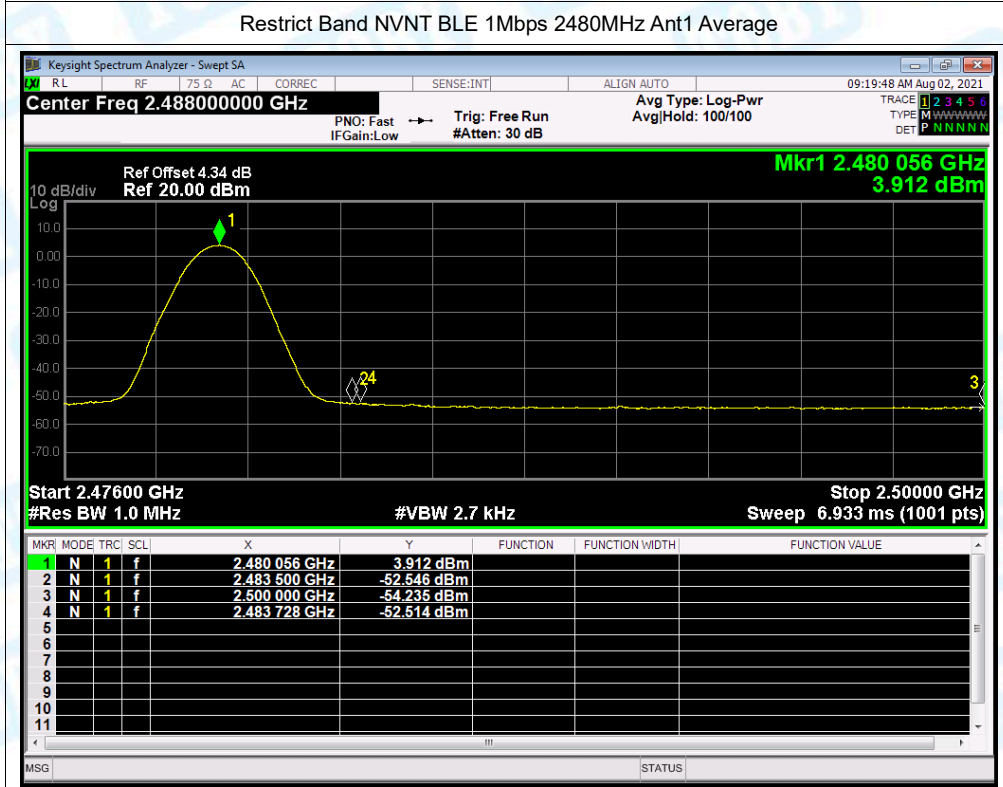
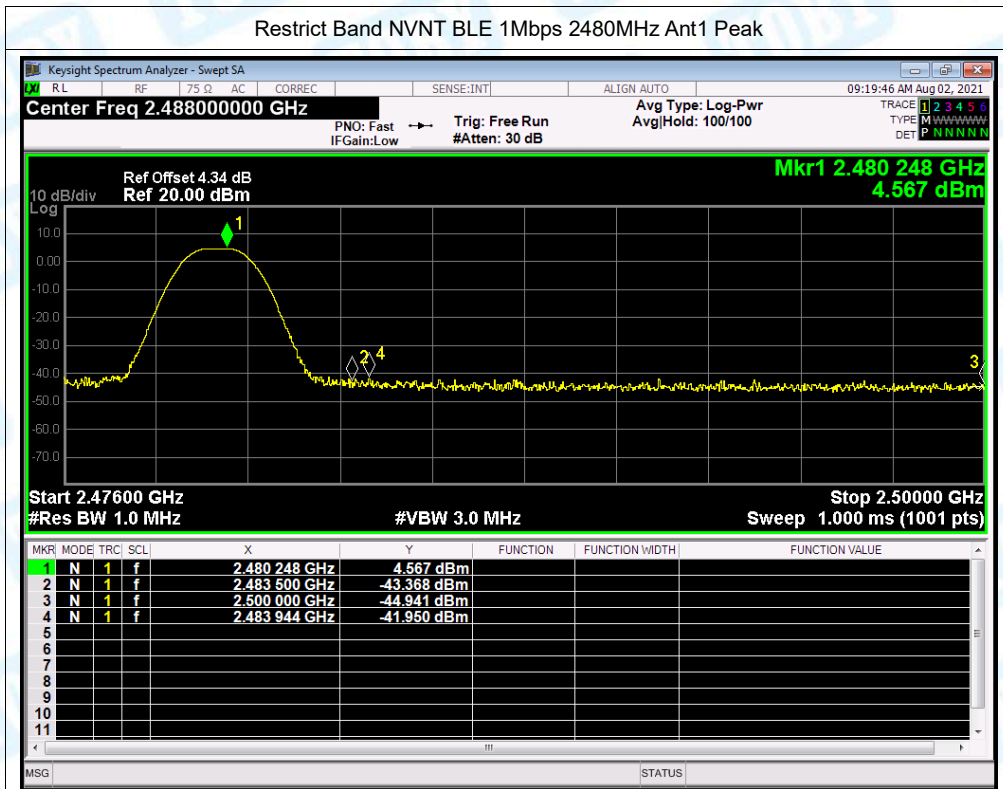


### 8. Restrict Band

| Condition | Mode      | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-----------|-----------------|---------|-----------------|-------------|------------|------------|----------|----------------|---------|
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 2310            | -44.93      | 2          | 52.33      | Peak     | 74             | Pass    |
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 2310            | -55.02      | 2          | 42.24      | Average  | 54             | Pass    |
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 2381.232        | -42.06      | 2          | 55.2       | Peak     | 74             | Pass    |
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 2372.4          | -53.61      | 2          | 43.65      | Average  | 54             | Pass    |
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 2390            | -44.64      | 2          | 52.62      | Peak     | 74             | Pass    |
| NVNT      | BLE 1Mbps | 2402            | Ant1    | 2390            | -54.11      | 2          | 43.15      | Average  | 54             | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 2483.5          | -43.36      | 2          | 53.9       | Peak     | 74             | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 2483.5          | -52.54      | 2          | 44.72      | Average  | 54             | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 2483.944        | -41.94      | 2          | 55.32      | Peak     | 74             | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 2483.728        | -52.51      | 2          | 44.75      | Average  | 54             | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 2500            | -44.94      | 2          | 52.32      | Peak     | 74             | Pass    |
| NVNT      | BLE 1Mbps | 2480            | Ant1    | 2500            | -54.23      | 2          | 43.03      | Average  | 54             | Pass    |







-----END OF REPORT-----