

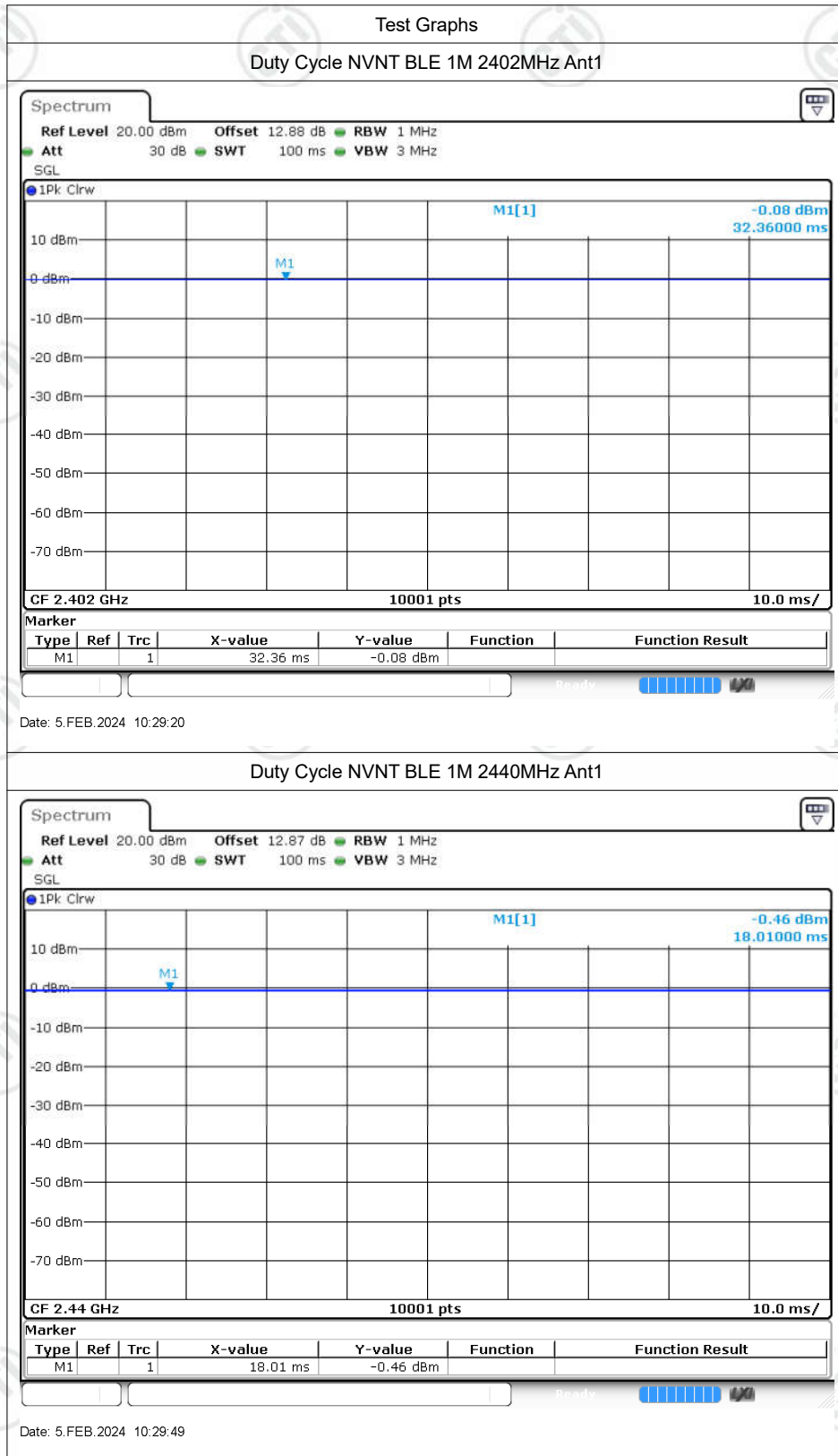
Appendix:Bluetooth LE

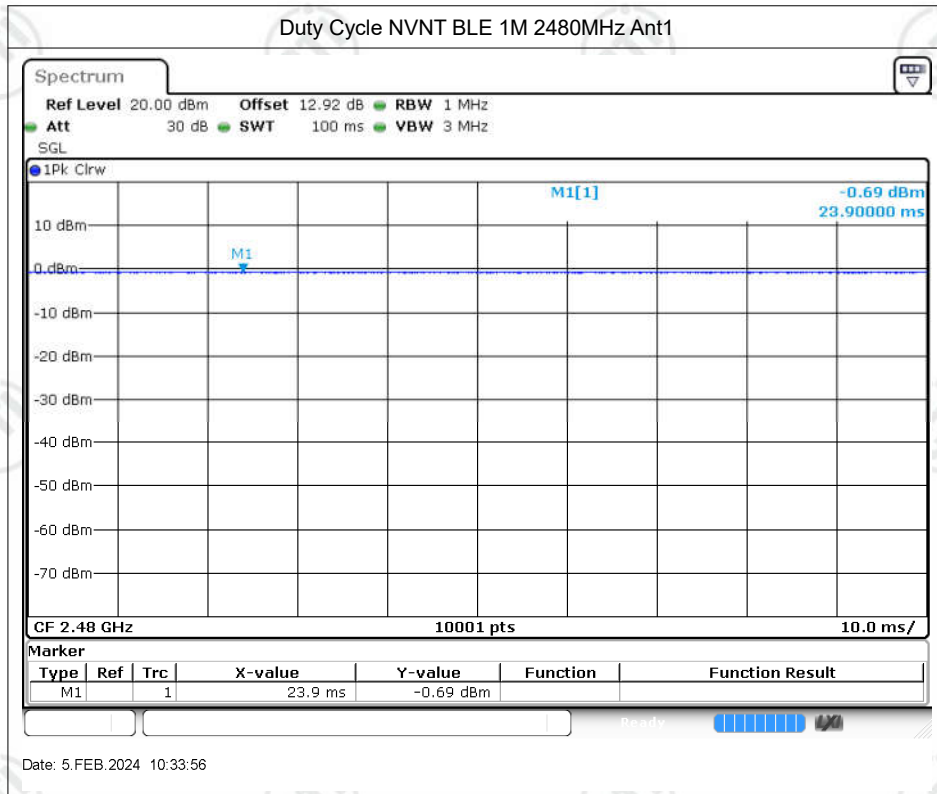
## Contents

|  |    |
|--|----|
| Contents .....                             | 2  |
| Duty Cycle .....                           | 3  |
| Maximum Peak Conducted Output Power .....  | 6  |
| -6dB Bandwidth .....                       | 9  |
| Occupied Channel Bandwidth .....           | 12 |
| Maximum Power Spectral Density Level ..... | 15 |
| Band Edge .....                            | 18 |
| Conducted RF Spurious Emission .....       | 21 |

## Duty Cycle

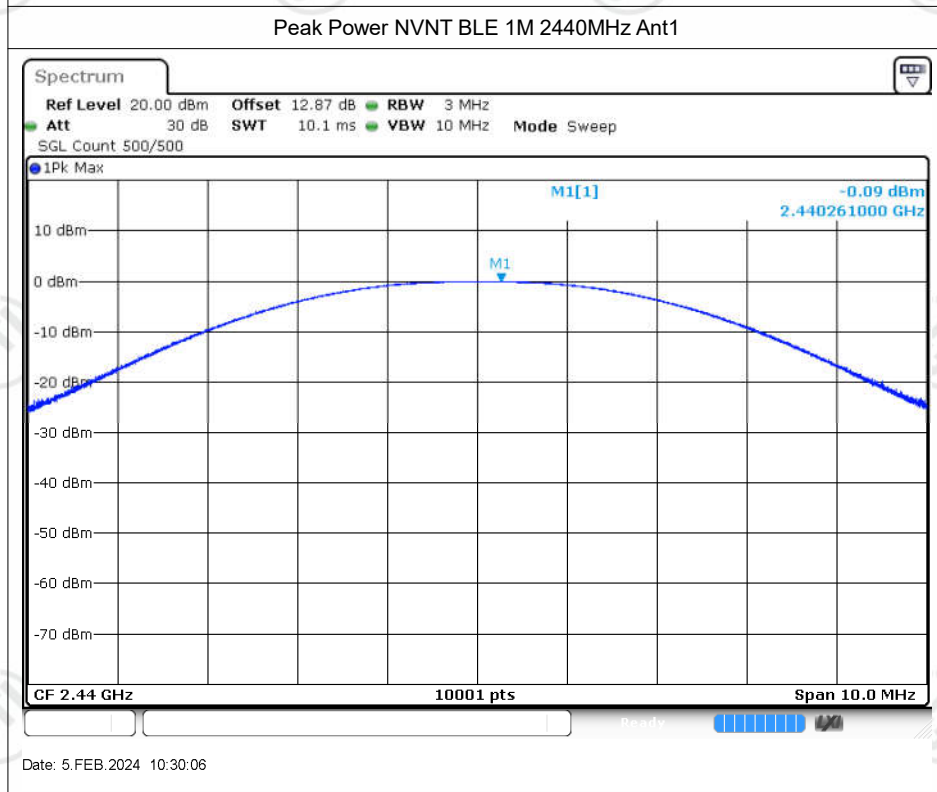
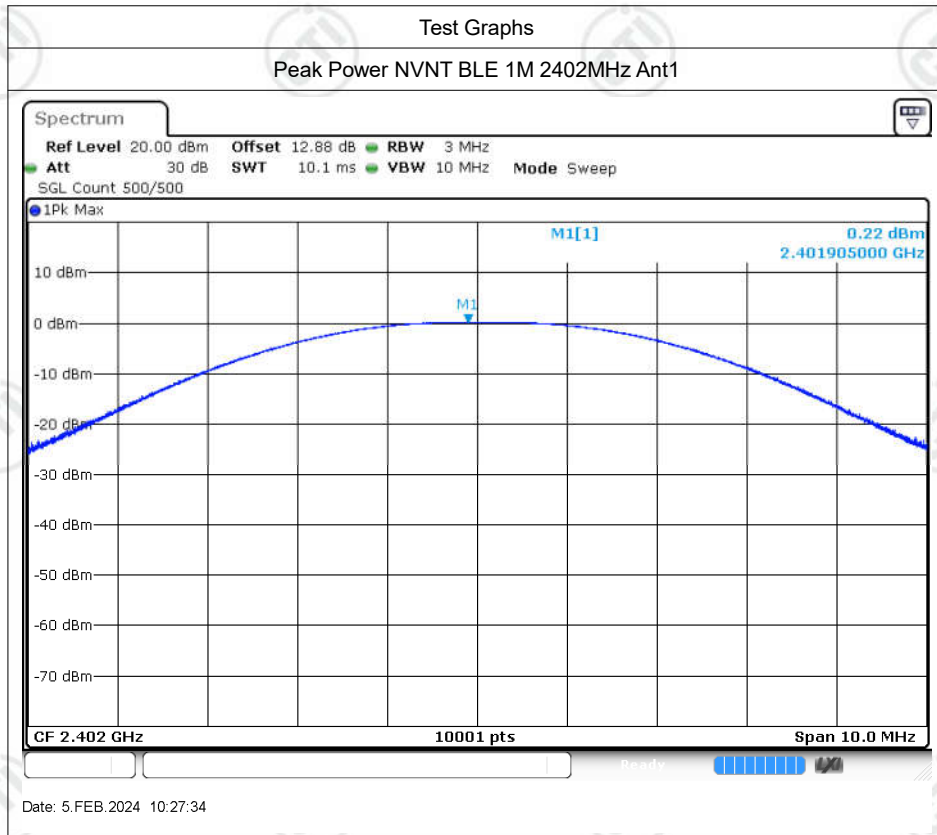
| Condition | Mode   | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|--------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | BLE 1M | 2402            | Ant1    | 100            | 0                      | 0         |
| NVNT      | BLE 1M | 2440            | Ant1    | 100            | 0                      | 0         |
| NVNT      | BLE 1M | 2480            | Ant1    | 100            | 0                      | 0         |



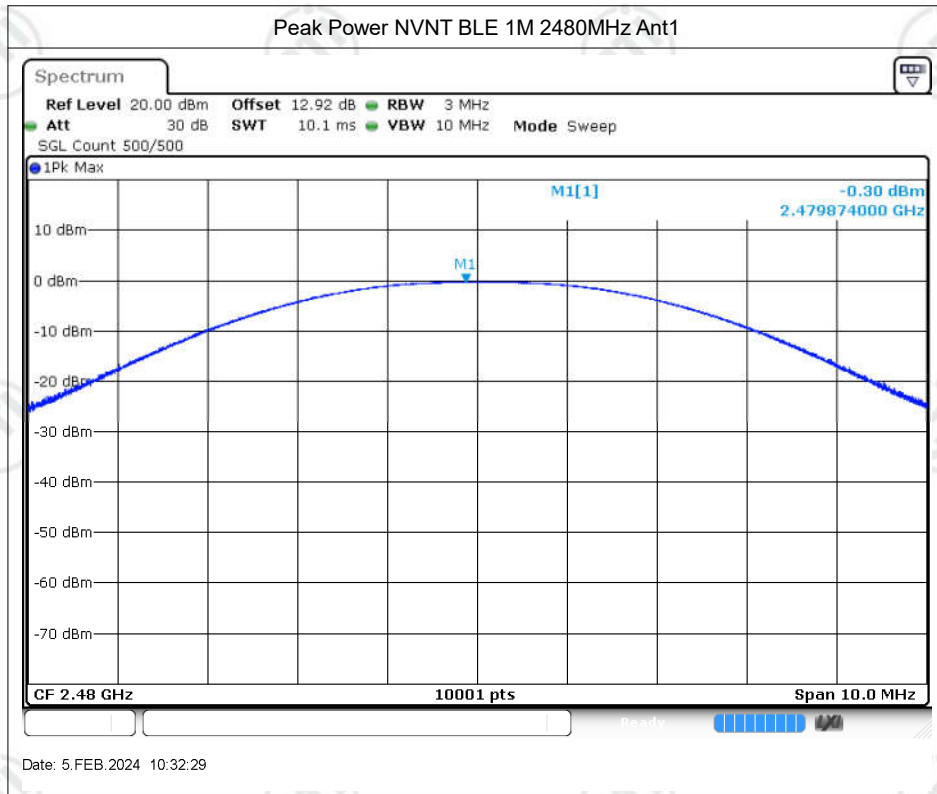


## Maximum Peak Conducted Output Power

| Condition | Mode   | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | <b>0.22</b>           | 30          | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -0.09                 | 30          | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -0.30                 | 30          | Pass    |



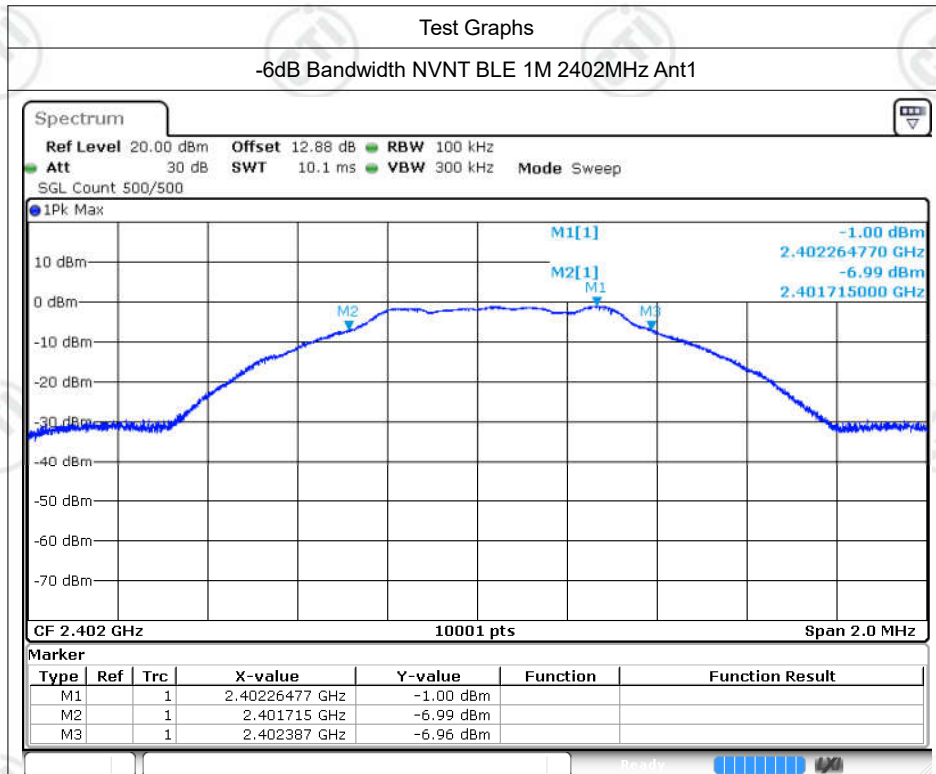




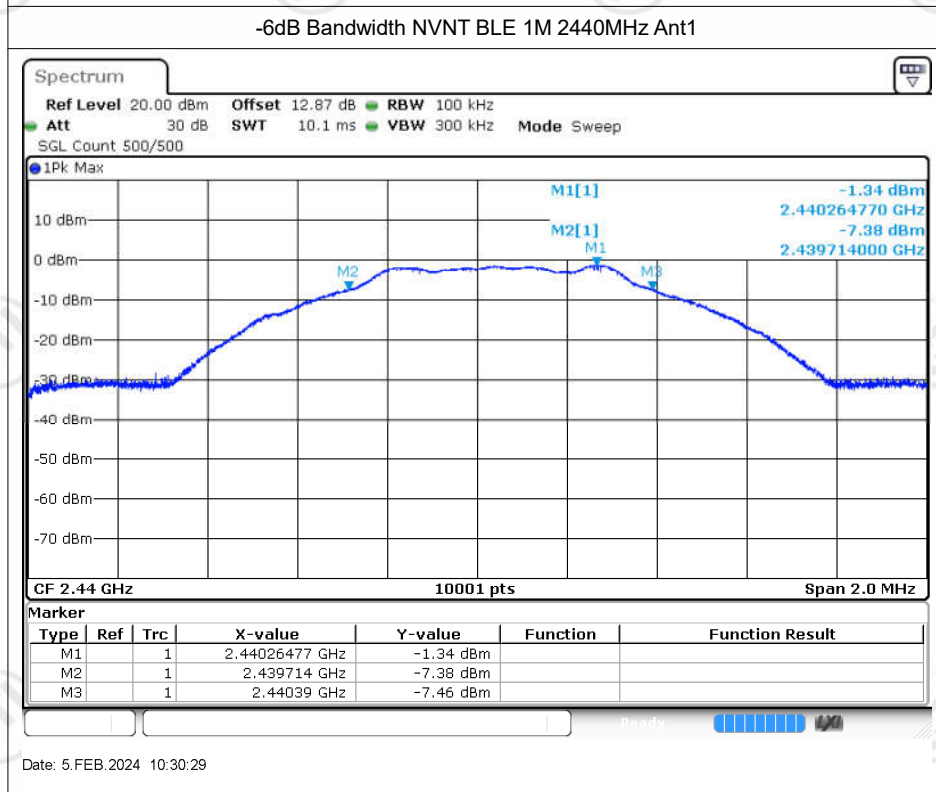


## -6dB Bandwidth

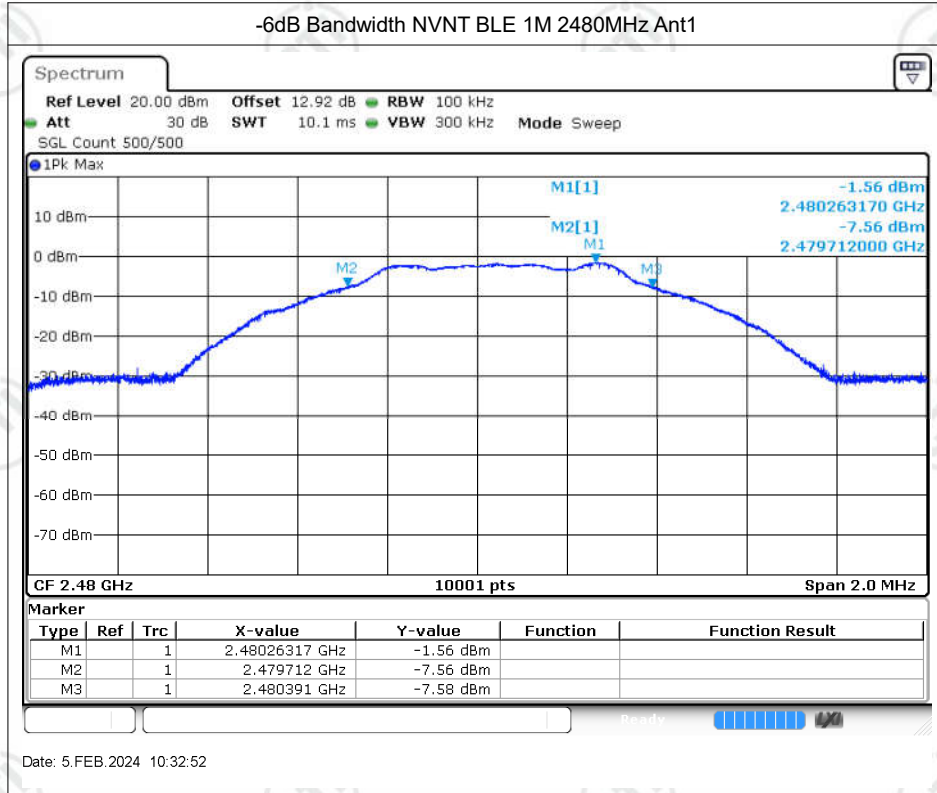
| Condition | Mode   | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | 0.673                 | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | 0.676                 | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 0.679                 | 0.5                         | Pass    |



Date: 5.FEB.2024 10:27:57

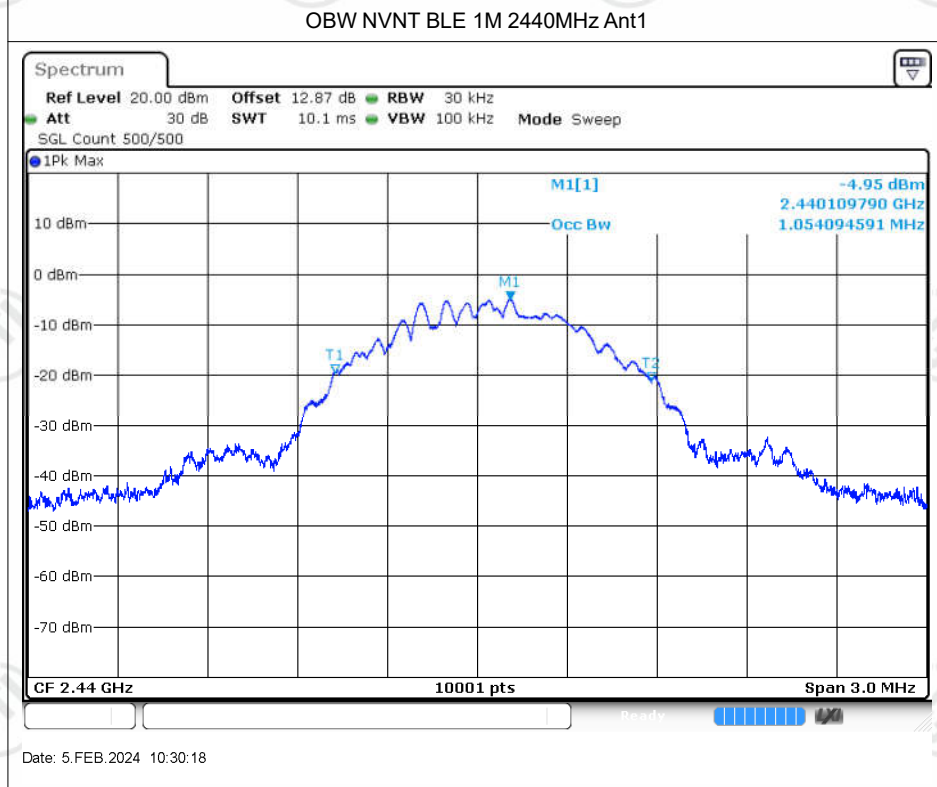
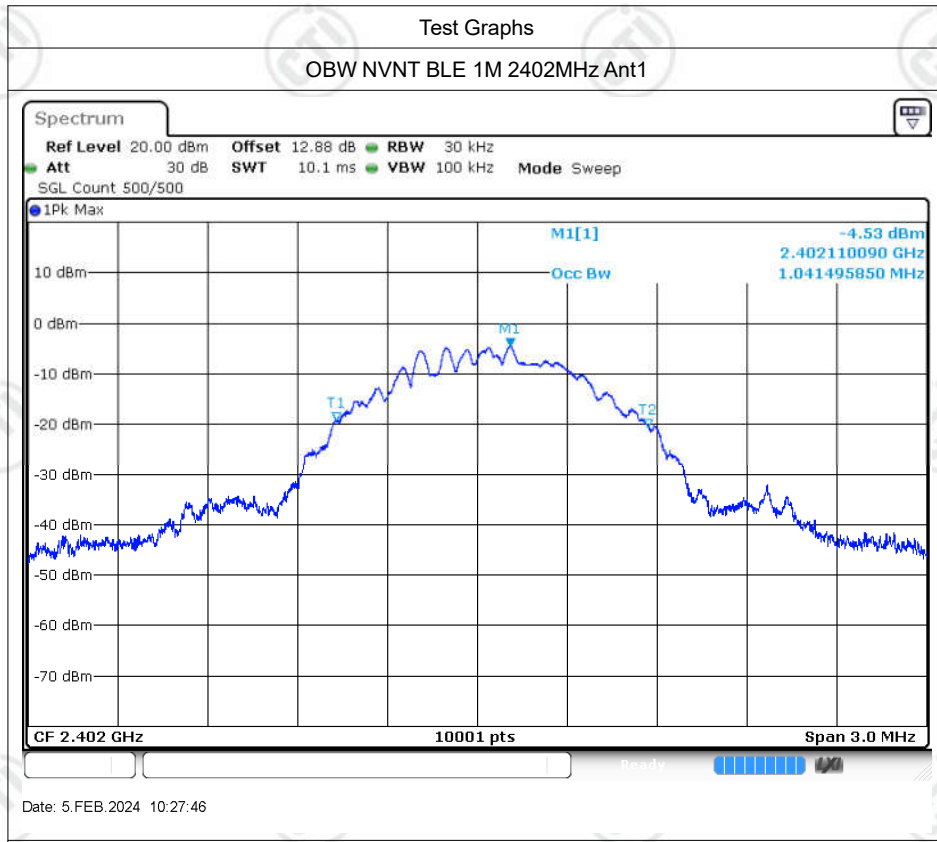


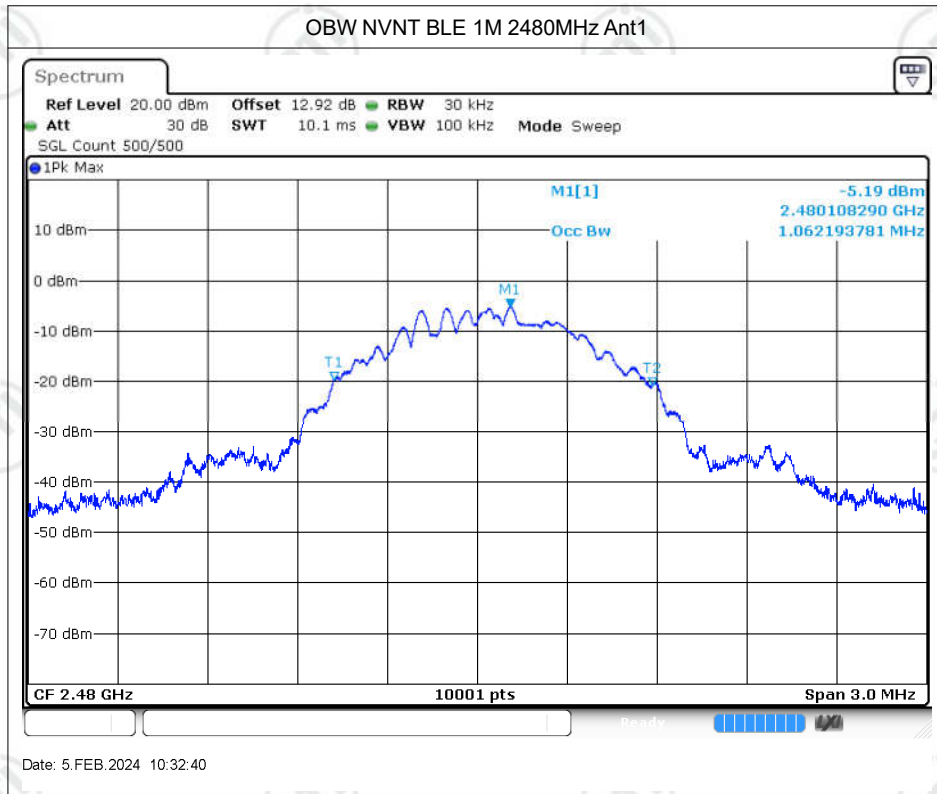
Date: 5.FEB.2024 10:30:29



## Occupied Channel Bandwidth

| Condition | Mode   | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|--------|-----------------|---------|---------------|
| NVNT      | BLE 1M | 2402            | Ant1    | 1.041         |
| NVNT      | BLE 1M | 2440            | Ant1    | 1.054         |
| NVNT      | BLE 1M | 2480            | Ant1    | 1.062         |

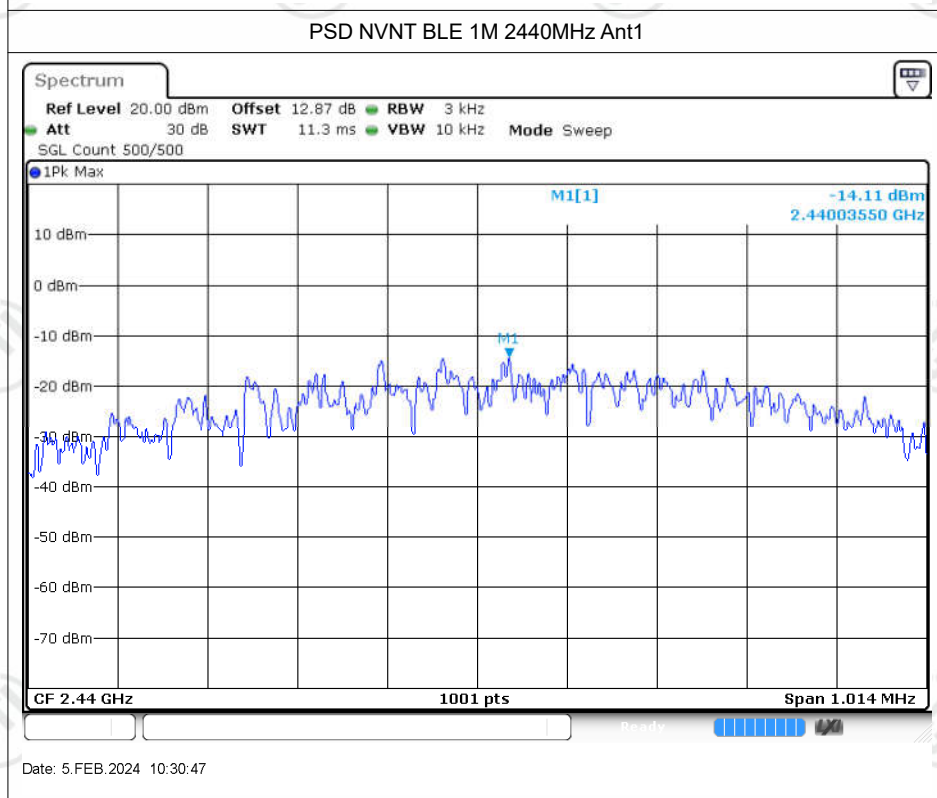
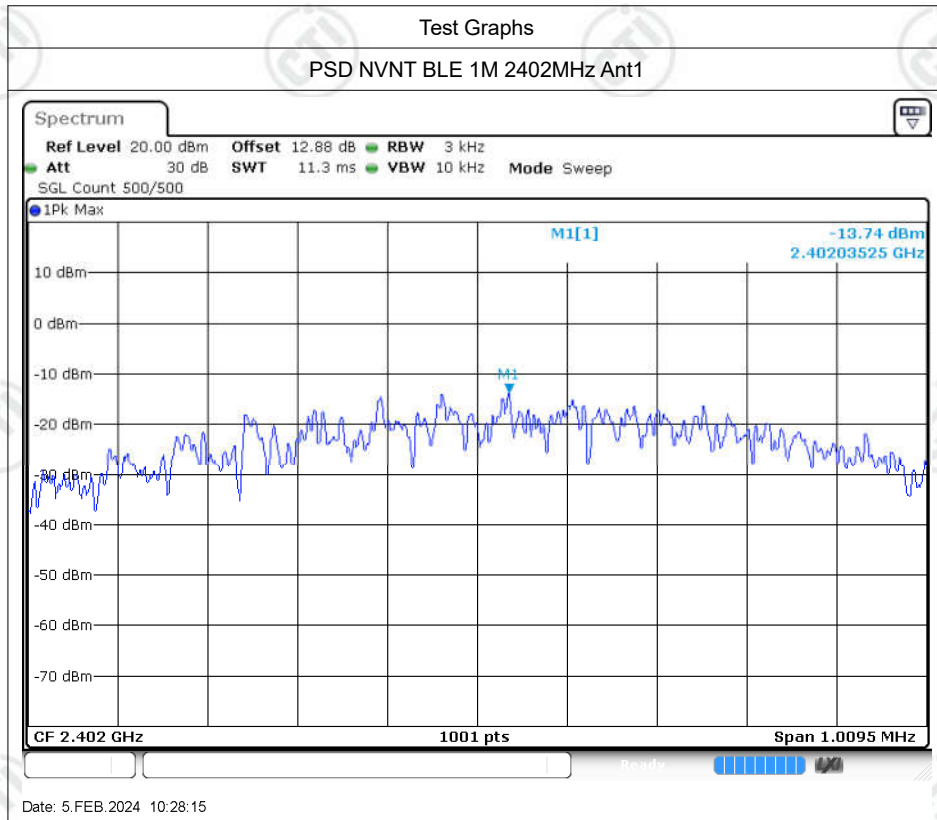


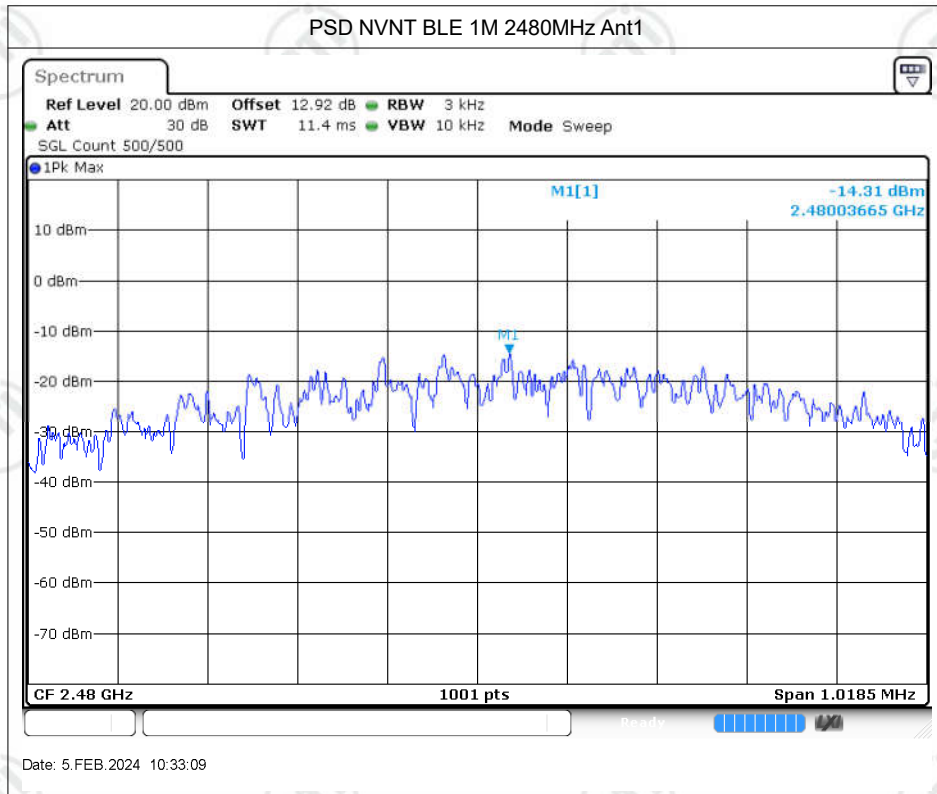


## Maximum Power Spectral Density Level

| Condition | Mode   | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|--------|-----------------|---------|--------------------------|------------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -13.74                   | 8                | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -14.11                   | 8                | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -14.31                   | 8                | Pass    |

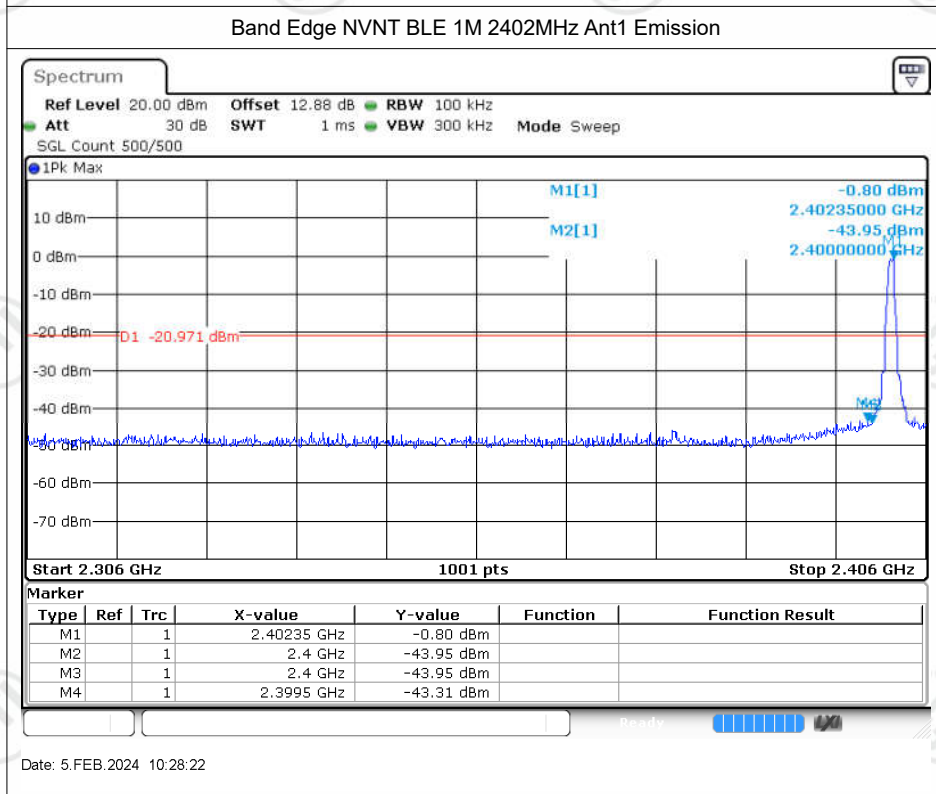
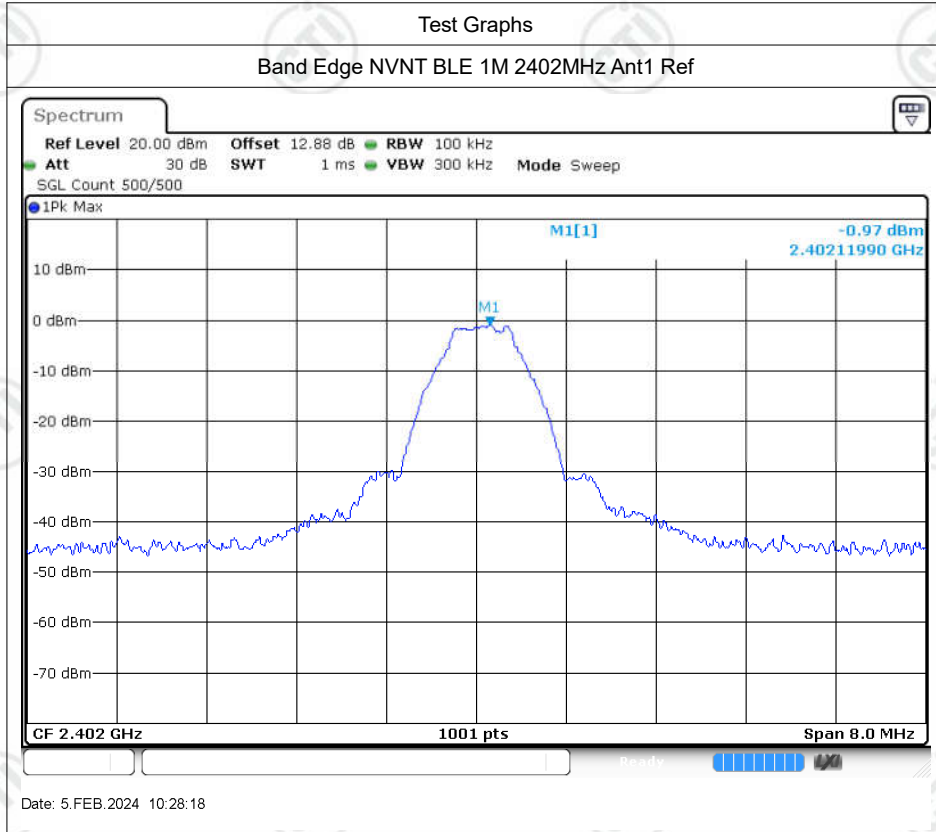


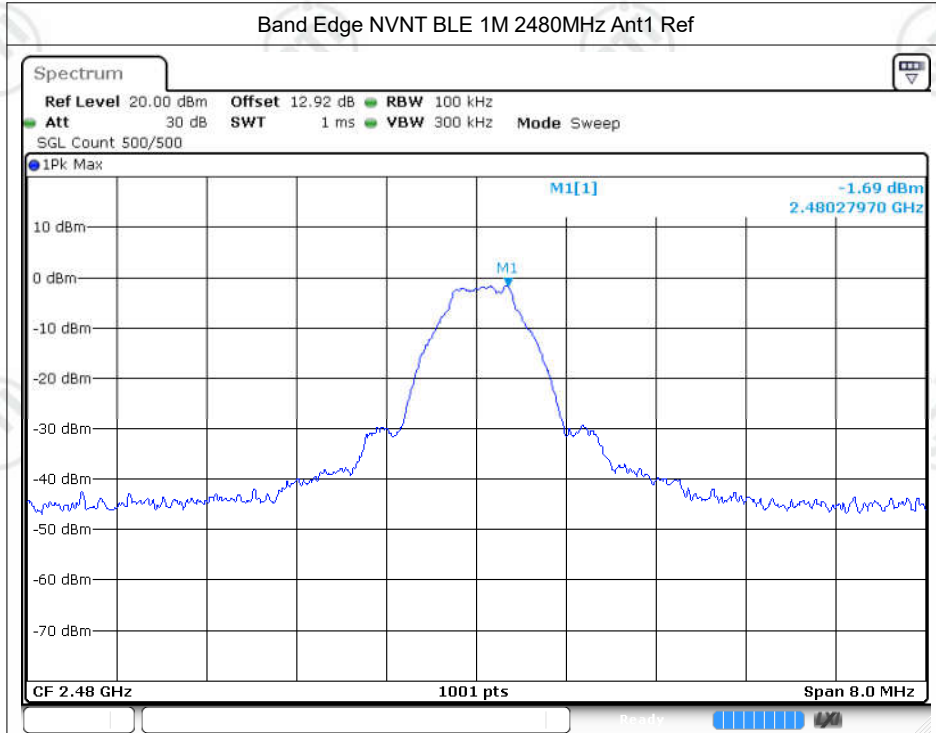




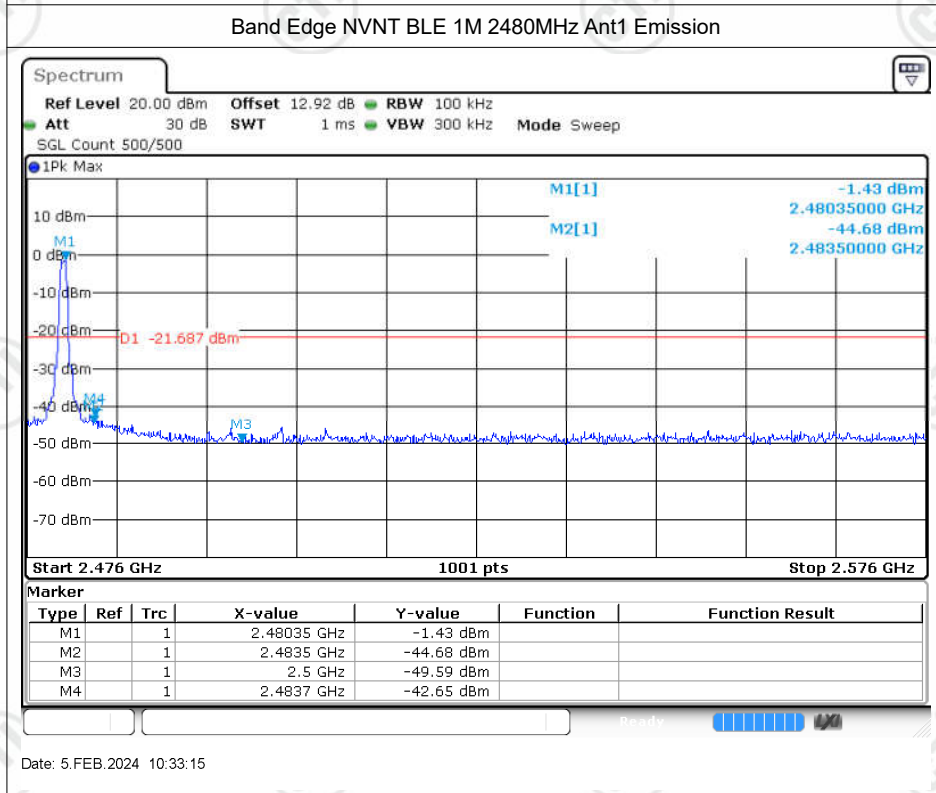
## Band Edge

| Condition | Mode   | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -42.34          | -20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -40.95          | -20         | Pass    |





Date: 5.FEB.2024 10:33:13

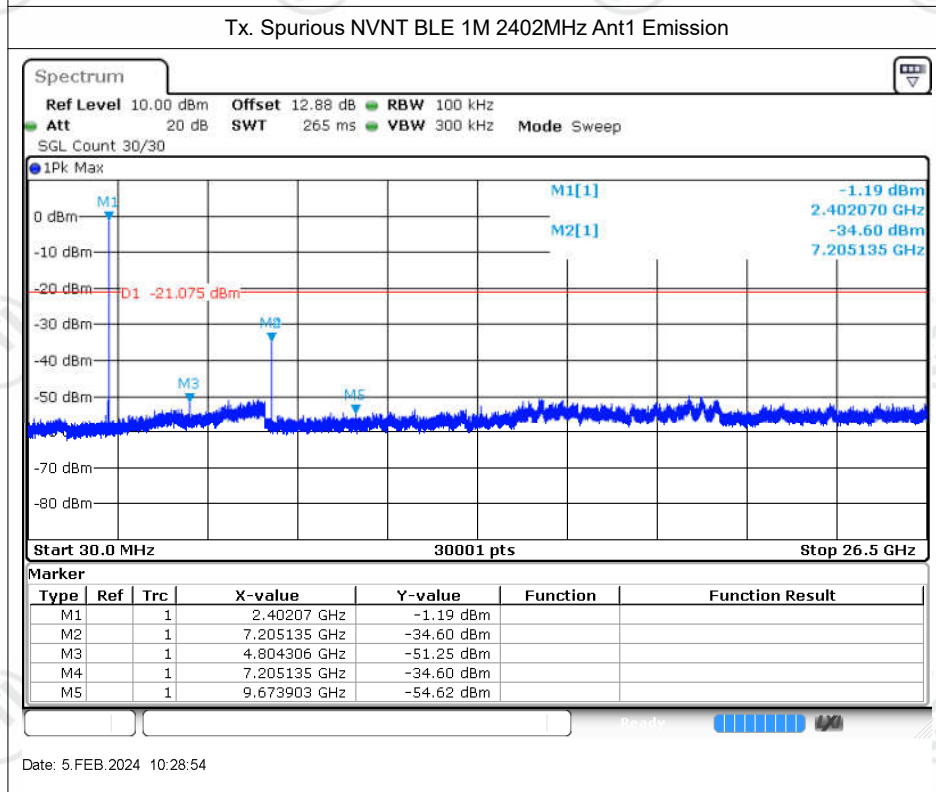
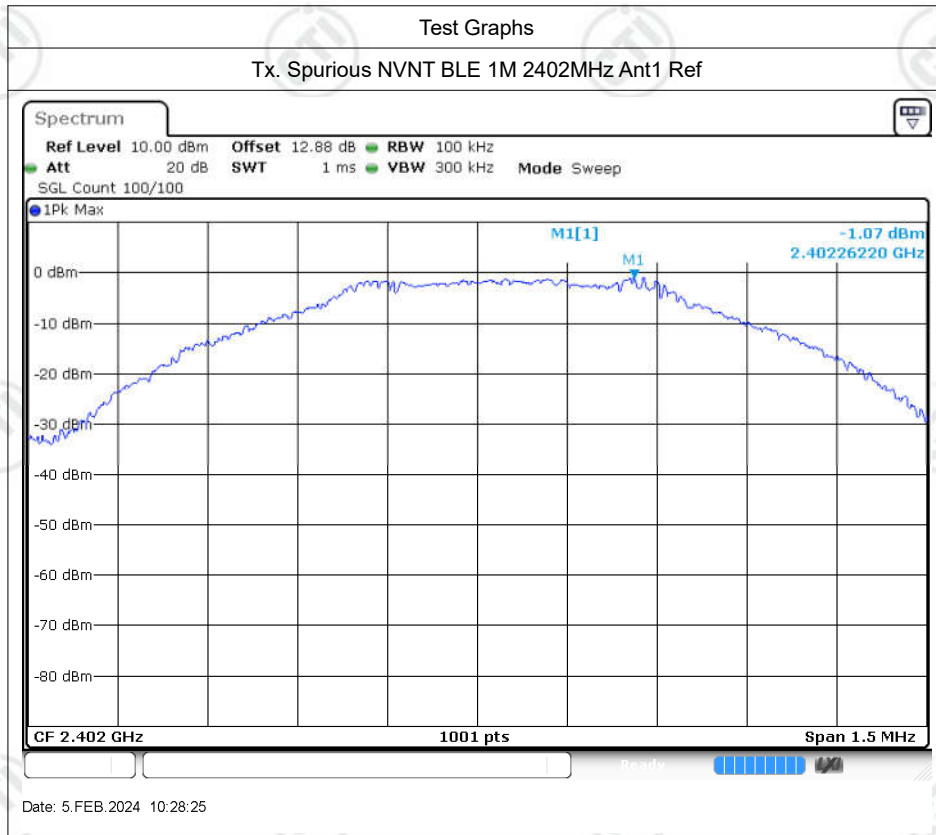


Date: 5.FEB.2024 10:33:15

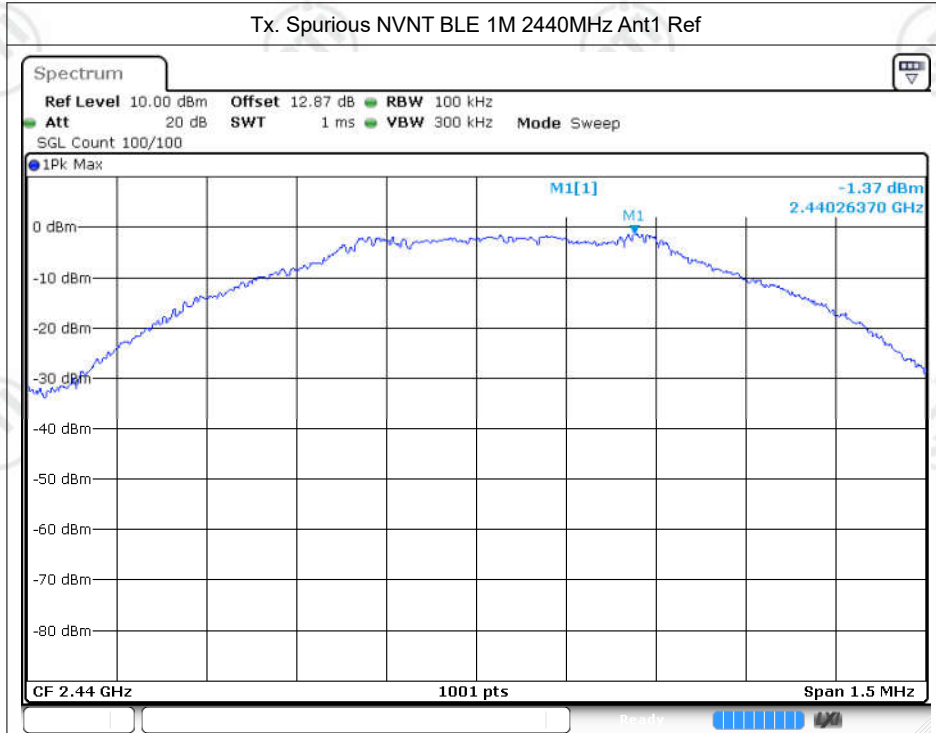
**Conducted RF Spurious Emission**

| Condition | Mode   | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -33.53          | -20         | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -35.11          | -20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -34.43          | -20         | Pass    |

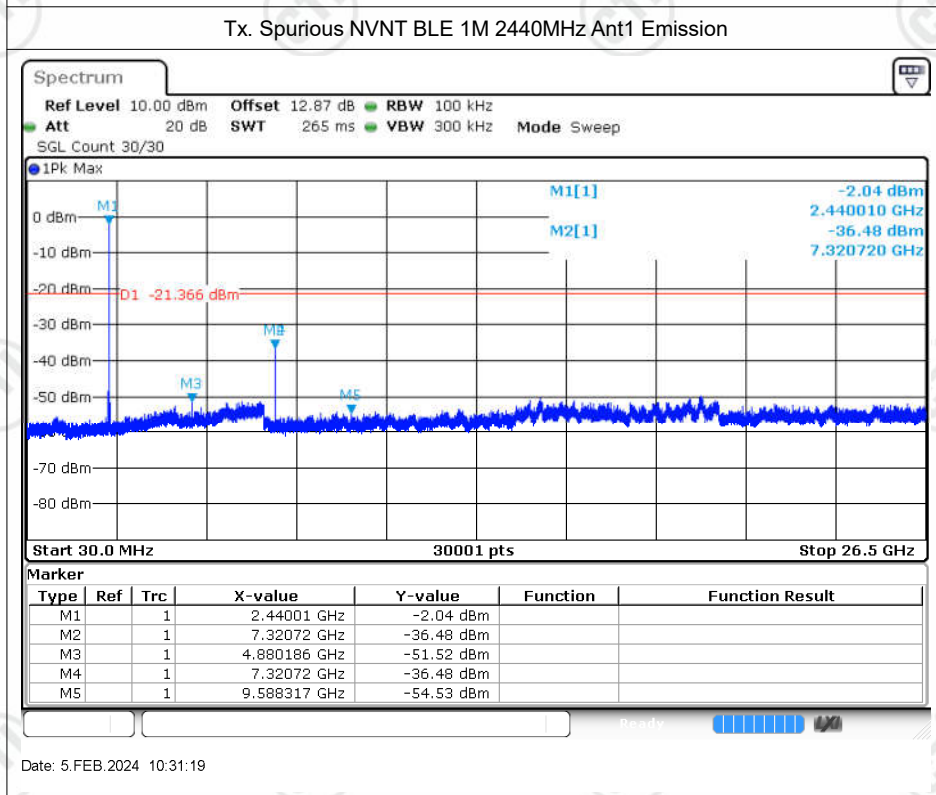




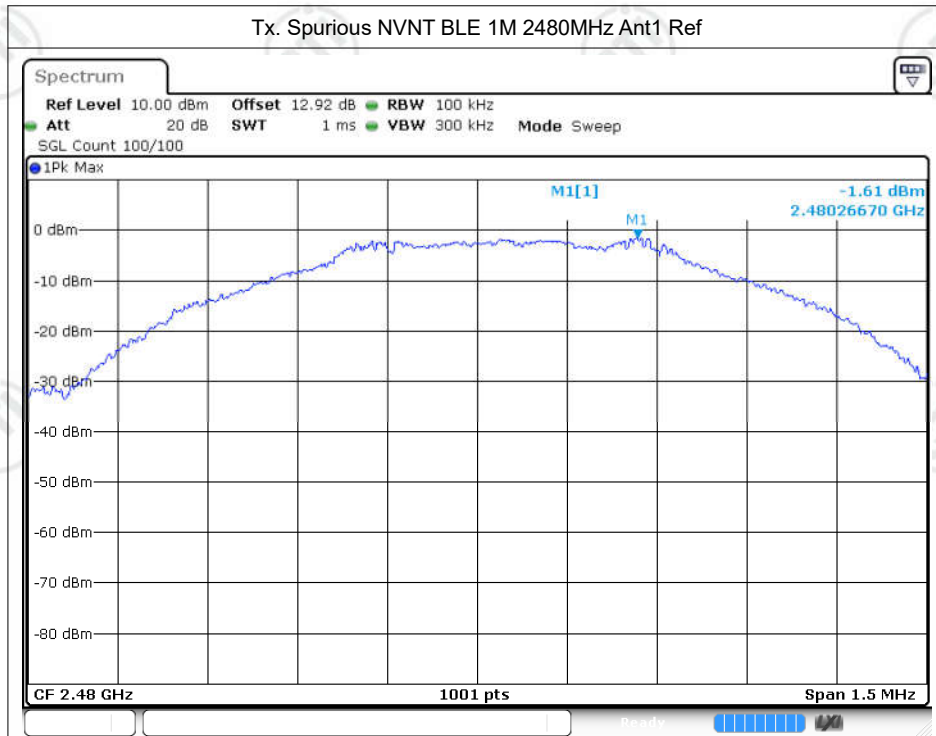




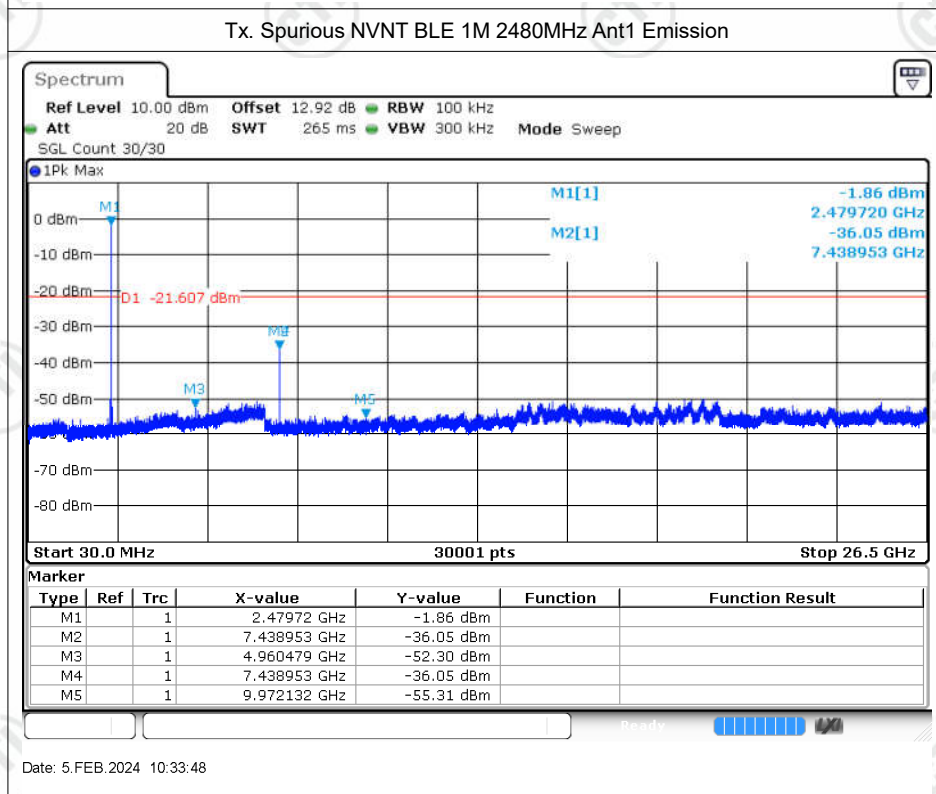
Date: 5.FEB.2024 10:30:49



Date: 5.FEB.2024 10:31:19



Date: 5.FEB.2024 10:33:18



Date: 5.FEB.2024 10:33:48

\*\*\*END OF REPORT\*\*\*