

## Appendix: Bluetooth LE

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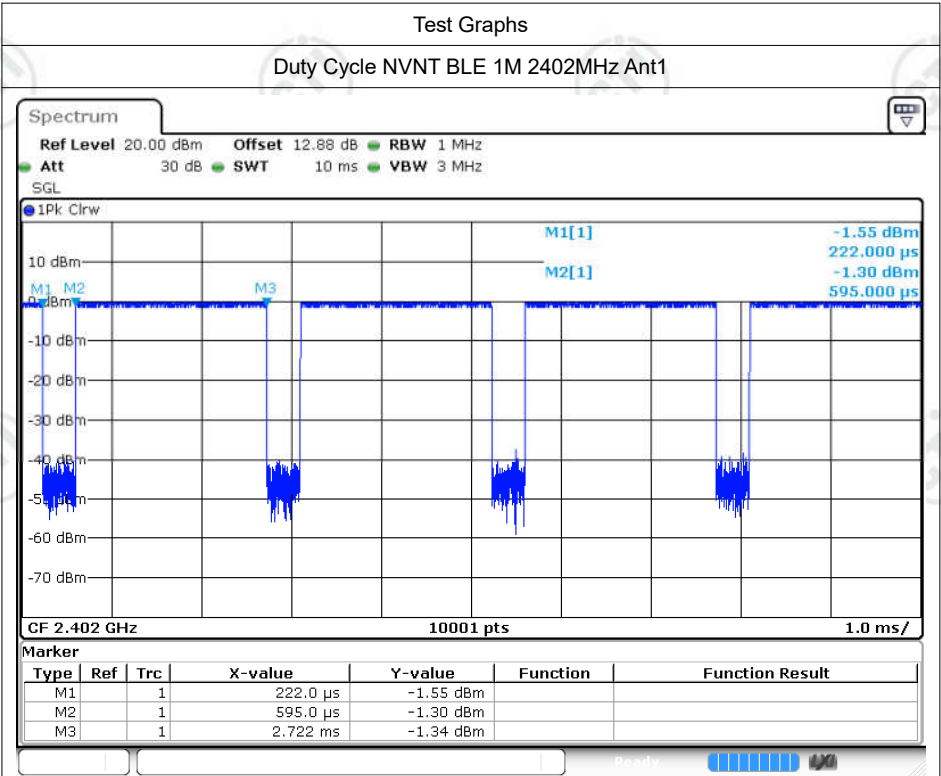
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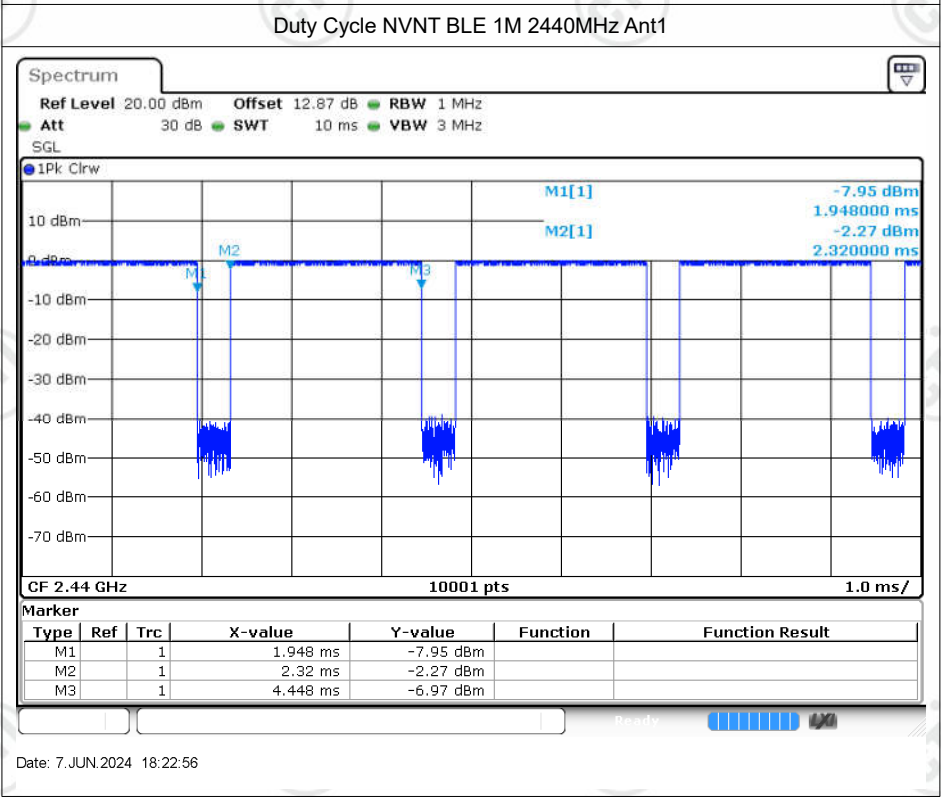
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Duty Cycle

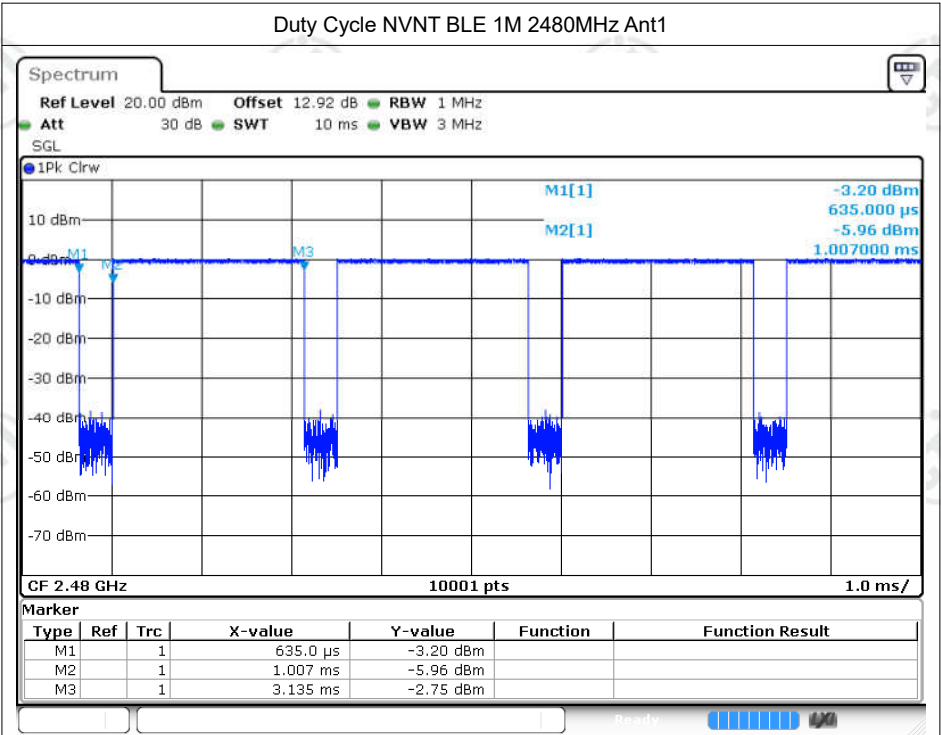
| Condition | Mode   | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|--------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | BLE 1M | 2402            | Ant1    | 85.08          | 0.7                    | 0.47      |
| NVNT      | BLE 1M | 2440            | Ant1    | 85.12          | 0.7                    | 0.47      |
| NVNT      | BLE 1M | 2480            | Ant1    | 85.12          | 0.7                    | 0.47      |
| NVNT      | BLE 2M | 2402            | Ant1    | 43.04          | 3.66                   | 0.93      |
| NVNT      | BLE 2M | 2440            | Ant1    | 43.08          | 3.66                   | 0.93      |
| NVNT      | BLE 2M | 2480            | Ant1    | 43.04          | 3.66                   | 0.93      |



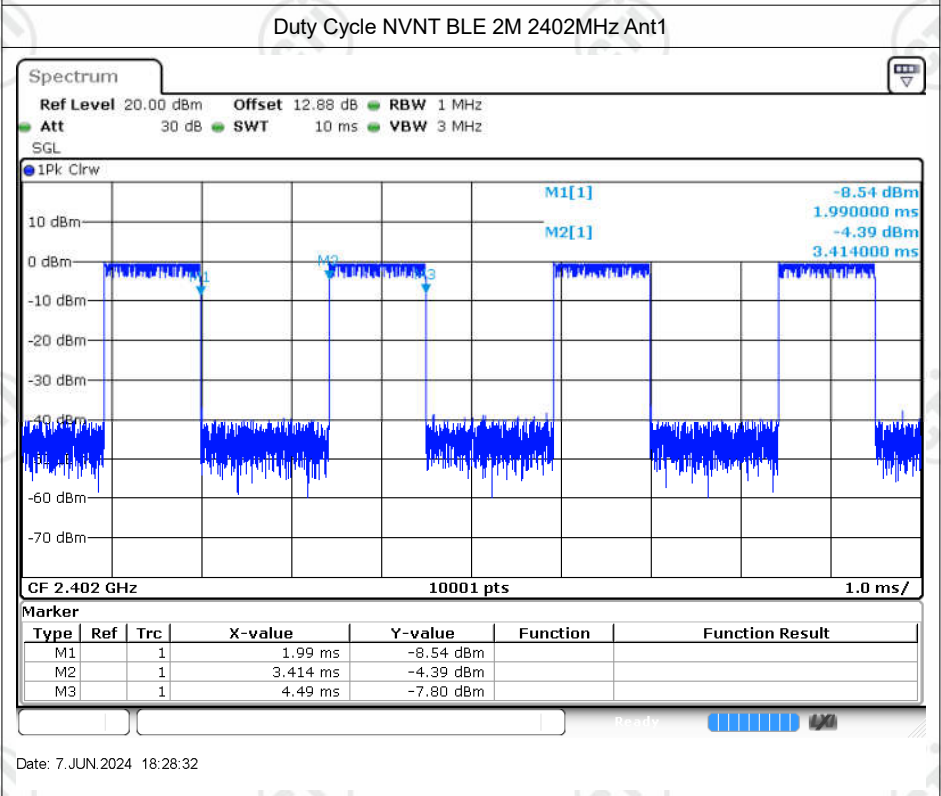
Date: 7 JUN 2024 18:21:07



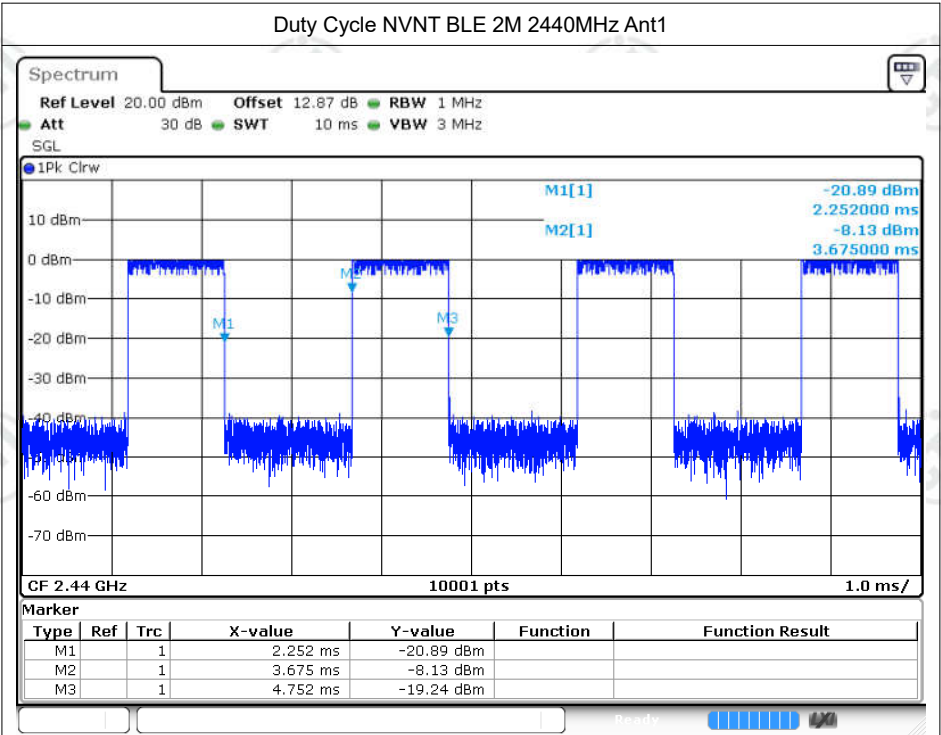
Date: 7 JUN 2024 18:22:56



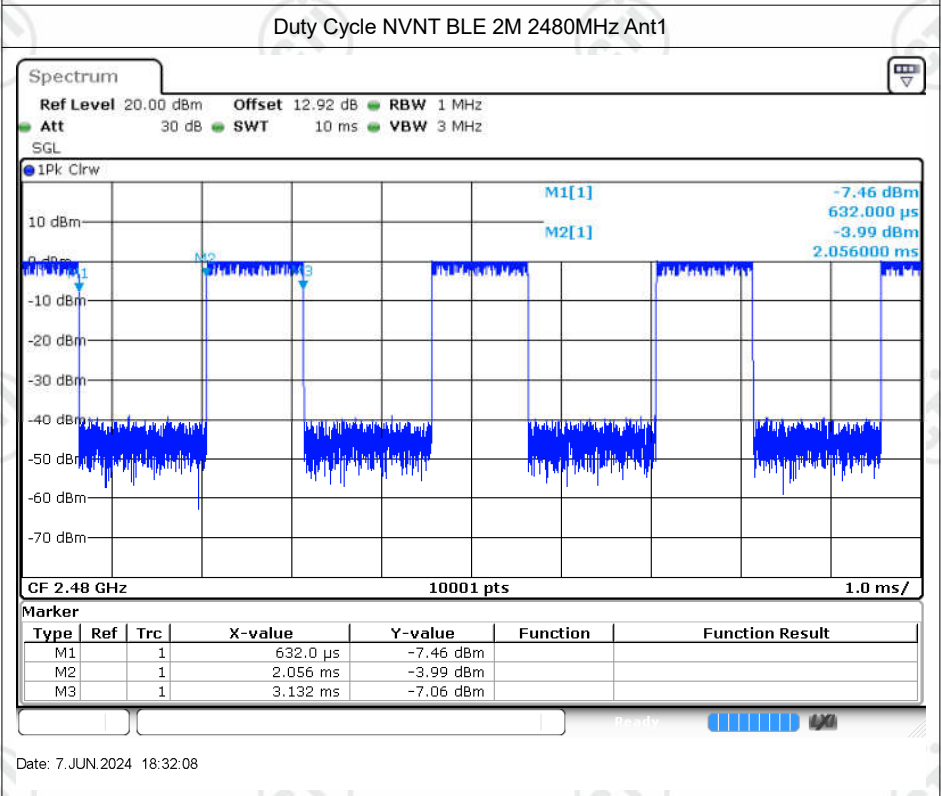
Date: 7 JUN 2024 18:25:49



Date: 7 JUN 2024 18:28:32



Date: 7 JUN 2024 18:30:23

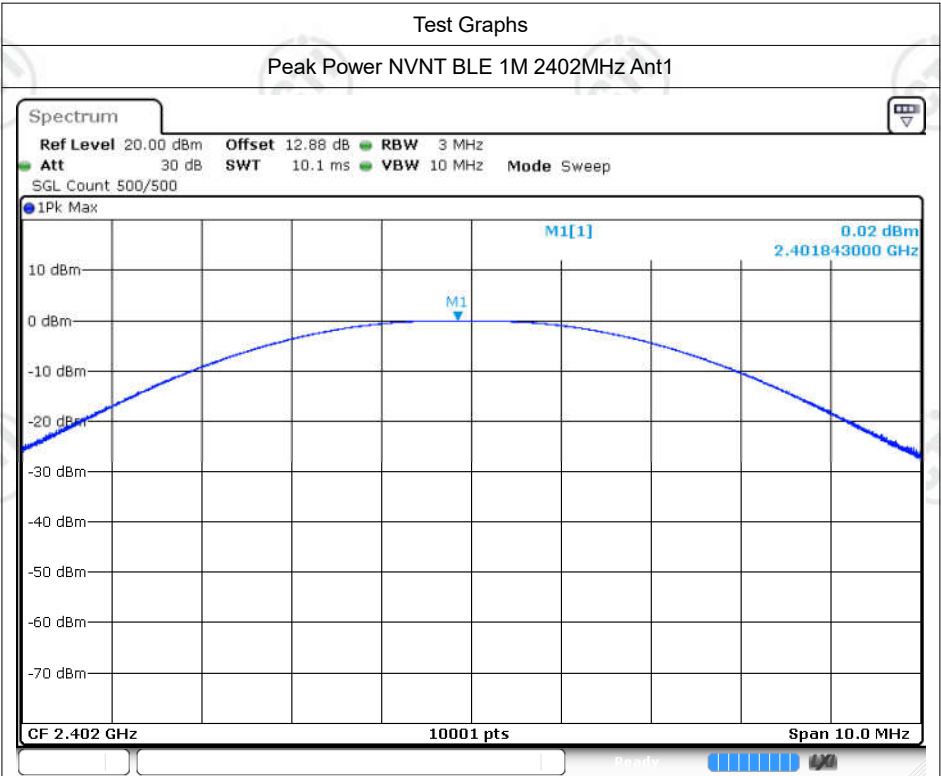


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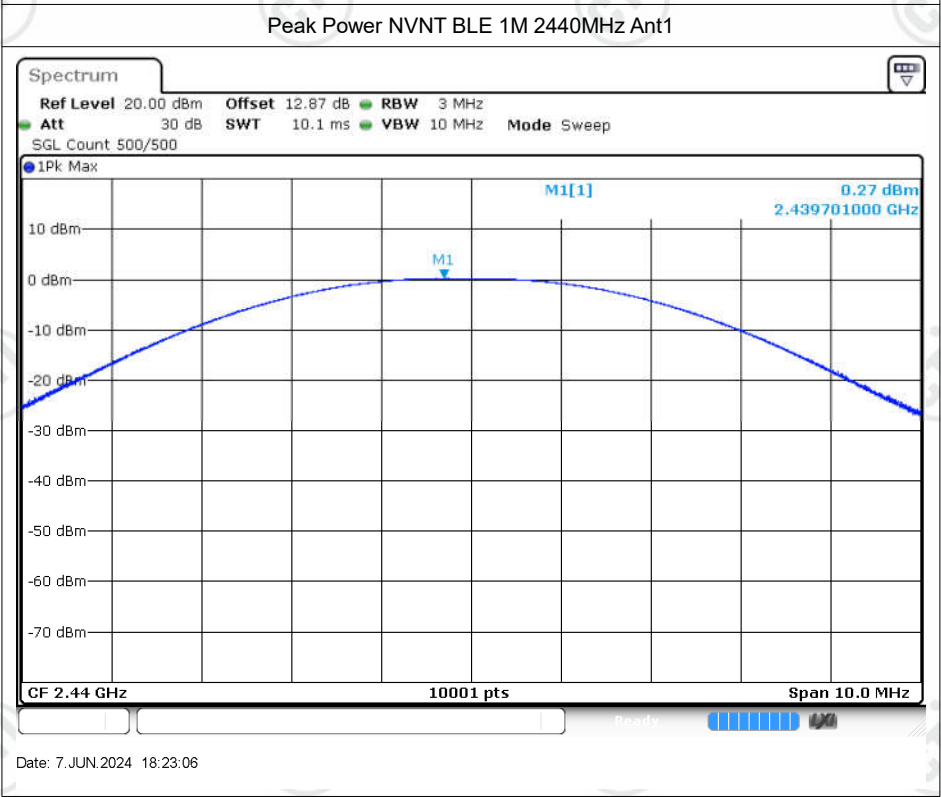
Maximum Peak Conducted Output Power

| Condition | Mode   | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | 0.02                  | 30          | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | 0.27                  | 30          | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 0.54                  | 30          | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | 0.09                  | 30          | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | 0.37                  | 30          | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | 0.7                   | 30          | Pass    |



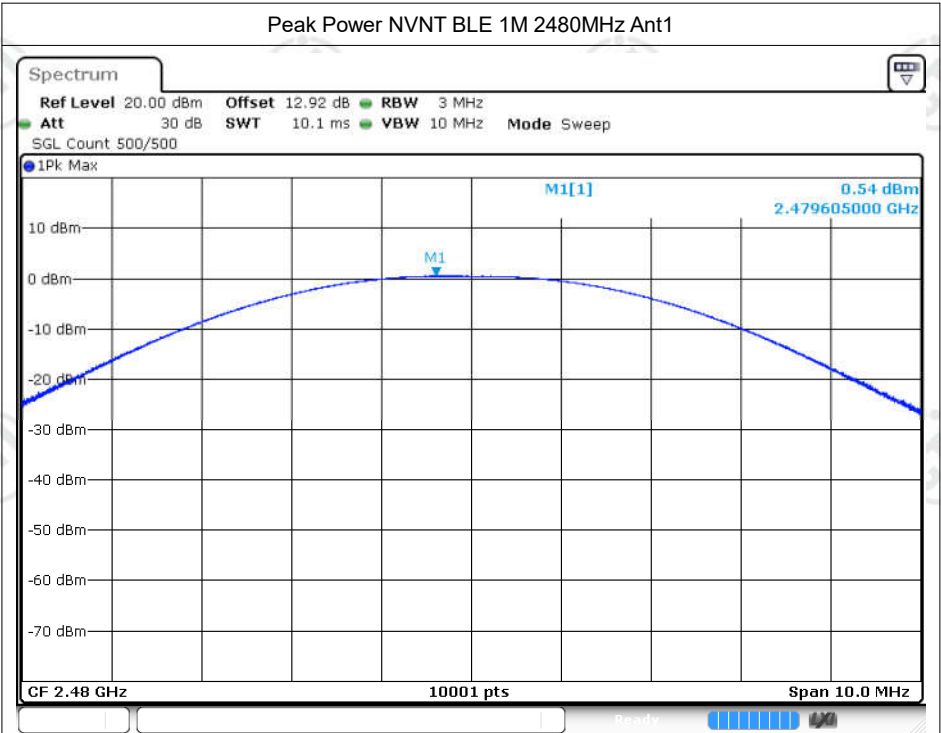


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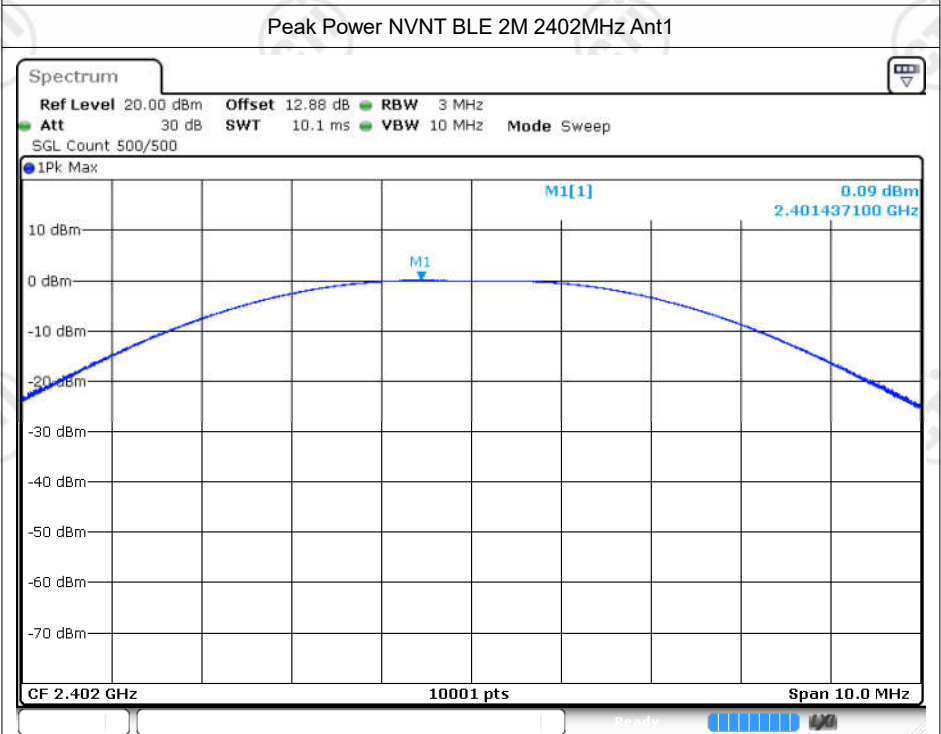


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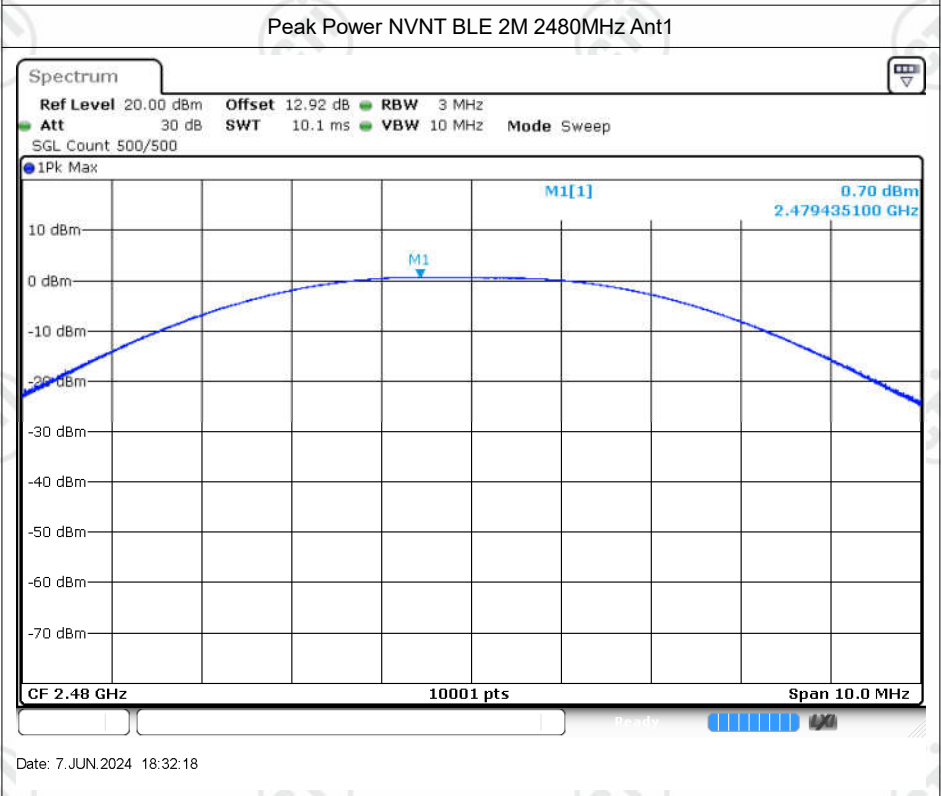
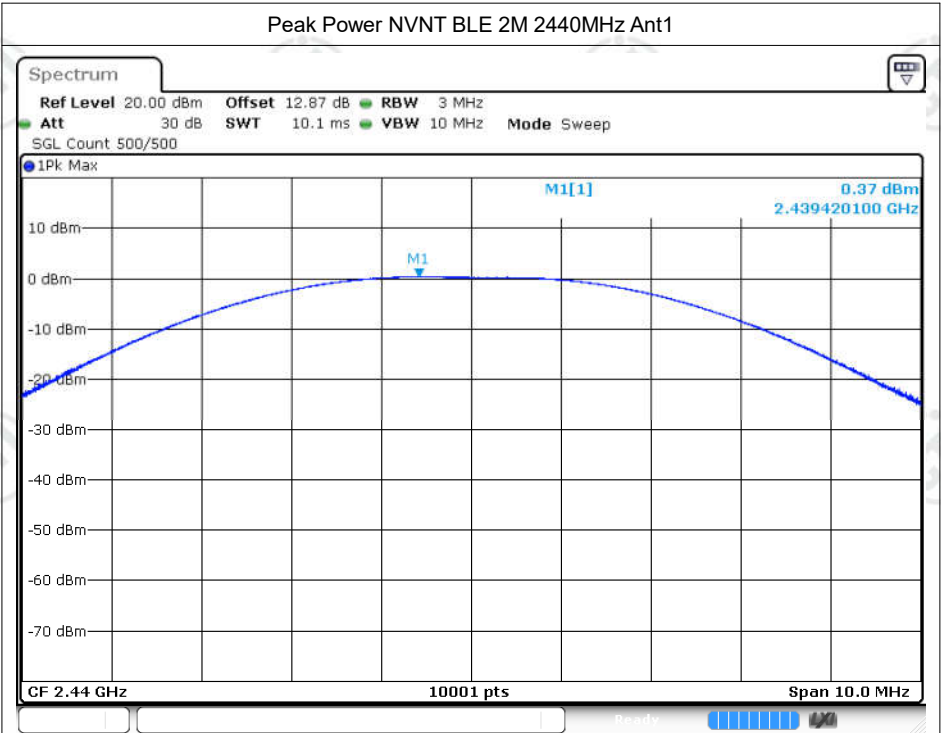




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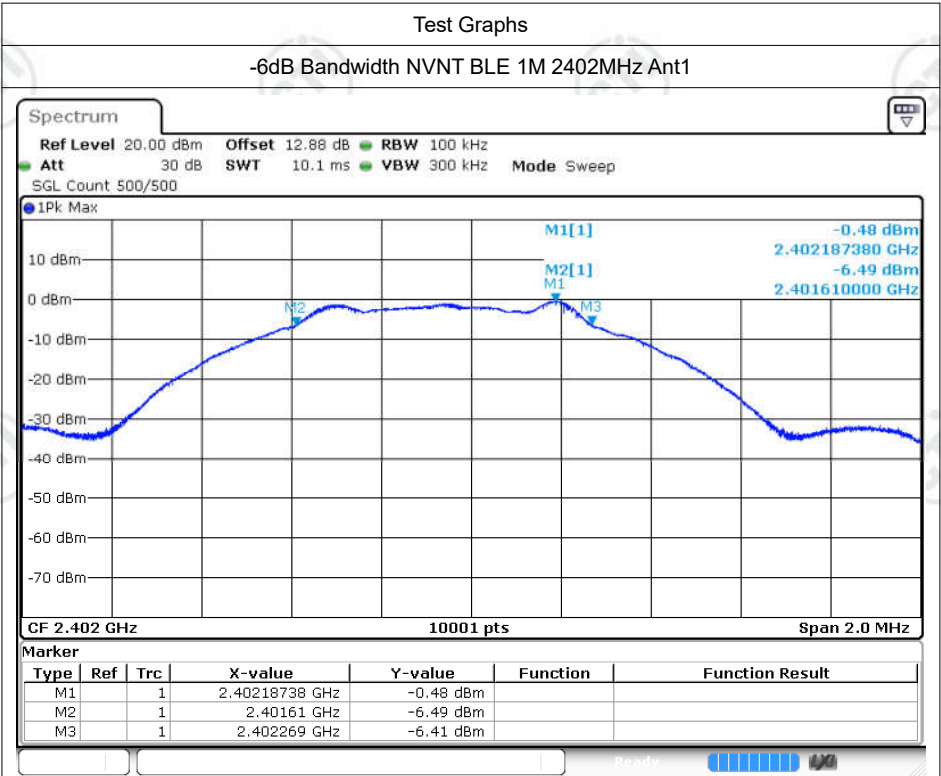


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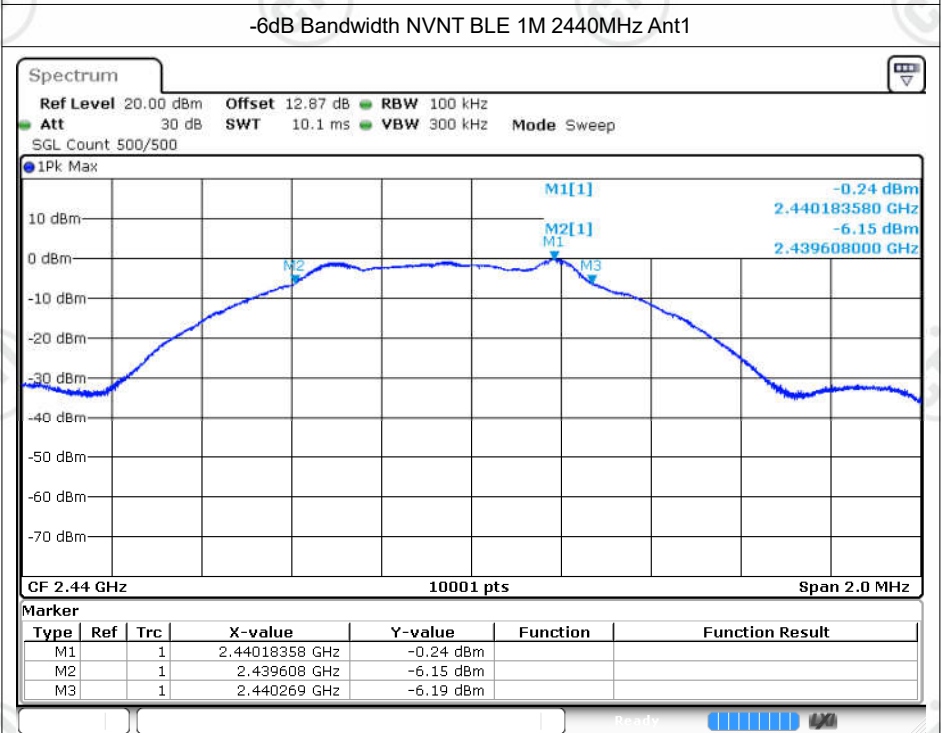


-6dB Bandwidth

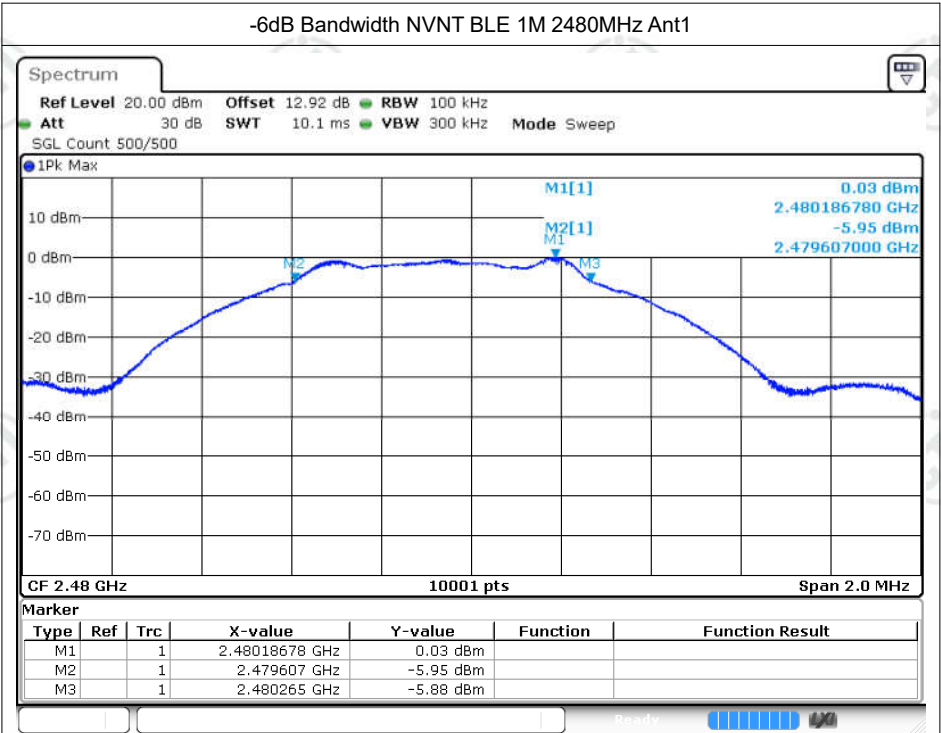
| Condition | Mode   | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | 0.659                 | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | 0.661                 | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 0.658                 | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | 1.165                 | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | 1.166                 | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | 1.166                 | 0.5                         | Pass    |



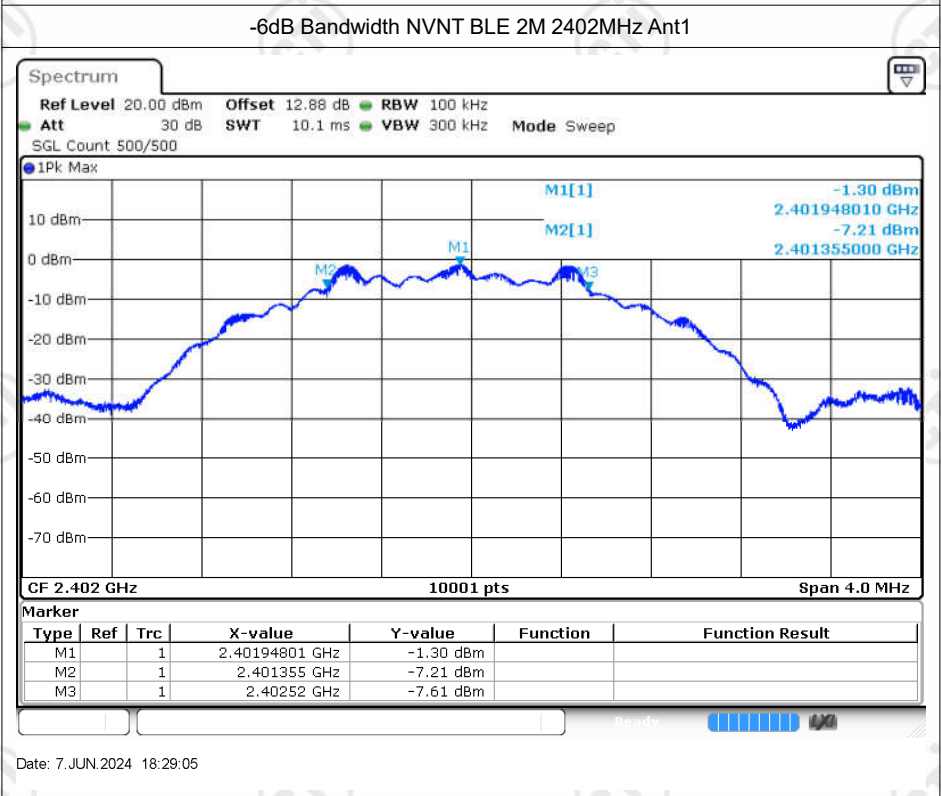
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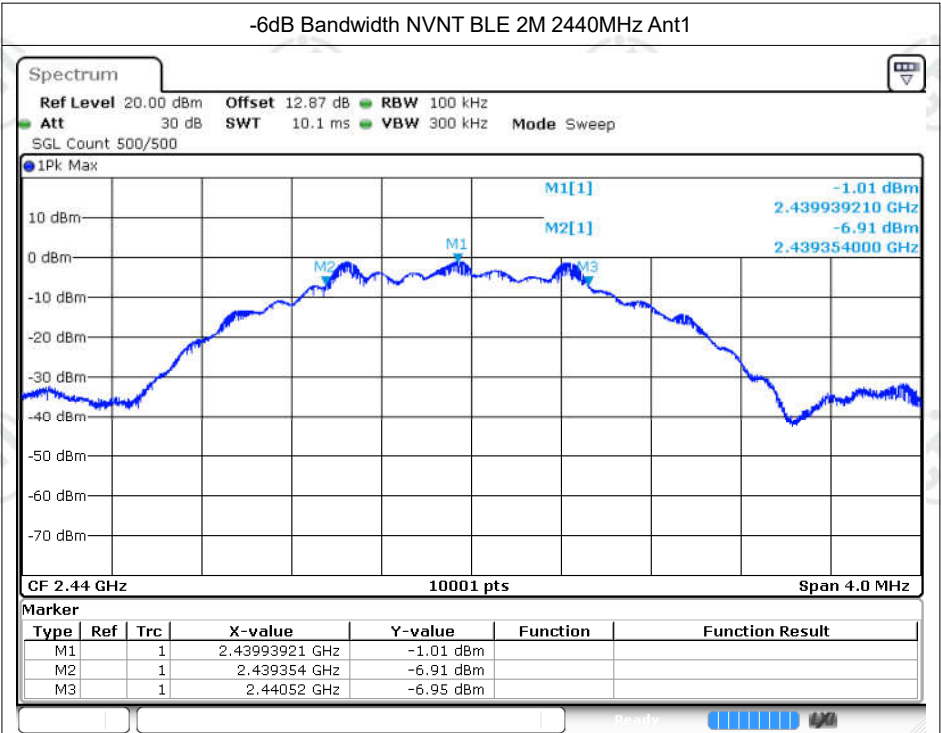
Date: 7 JUN 2024 18:23:29



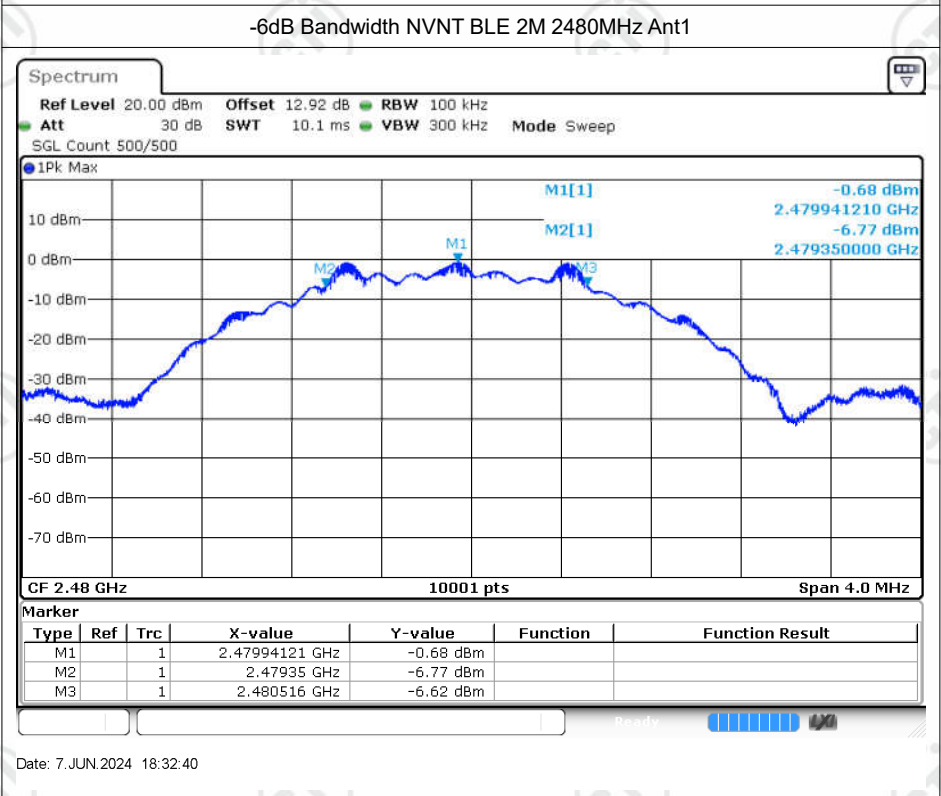
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Date: 7 JUN 2024 18:29:05



Date: 7 JUN 2024 18:30:55



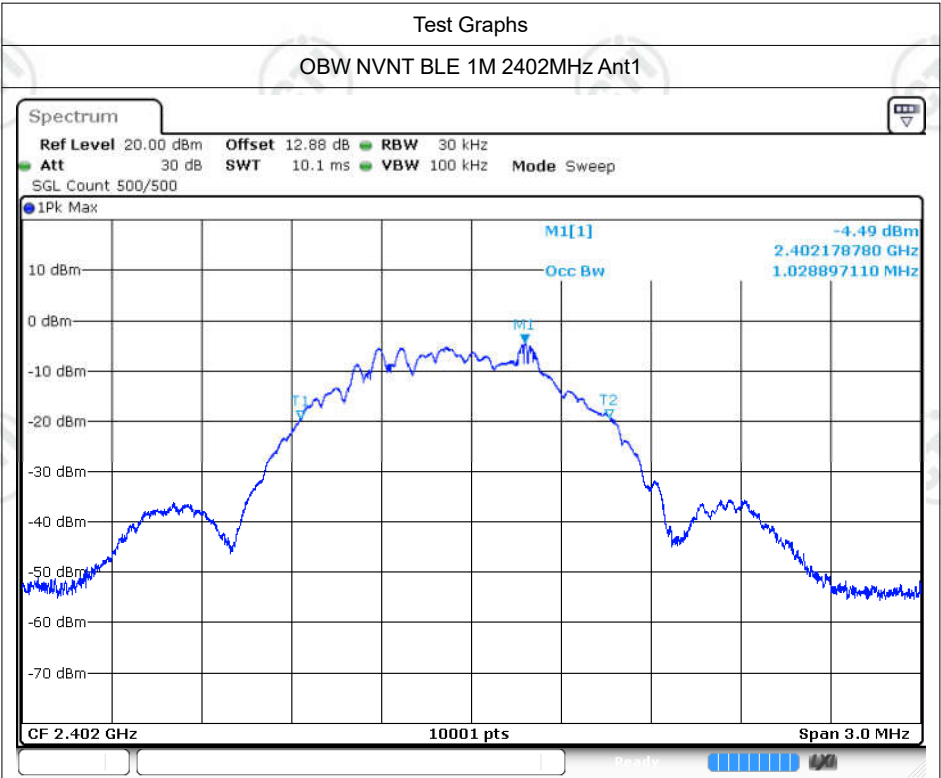
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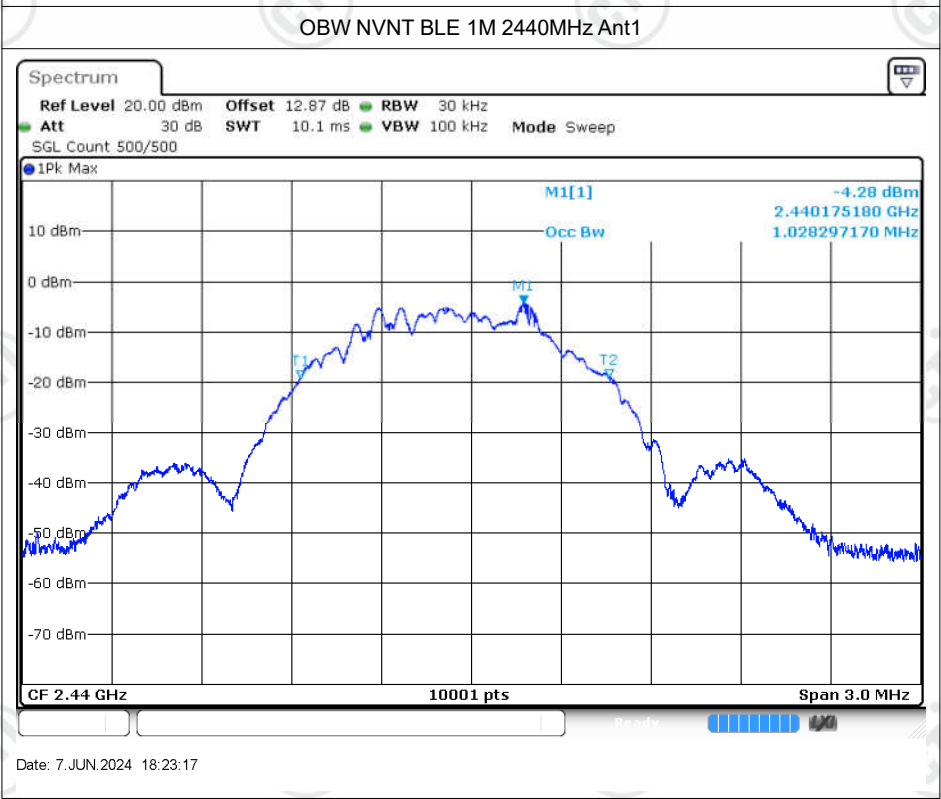
Occupied Channel Bandwidth

| Condition | Mode   | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|--------|-----------------|---------|---------------|
| NVNT      | BLE 1M | 2402            | Ant1    | 1.029         |
| NVNT      | BLE 1M | 2440            | Ant1    | 1.028         |
| NVNT      | BLE 1M | 2480            | Ant1    | 1.029         |
| NVNT      | BLE 2M | 2402            | Ant1    | 2.047         |
| NVNT      | BLE 2M | 2440            | Ant1    | 2.045         |
| NVNT      | BLE 2M | 2480            | Ant1    | 2.047         |

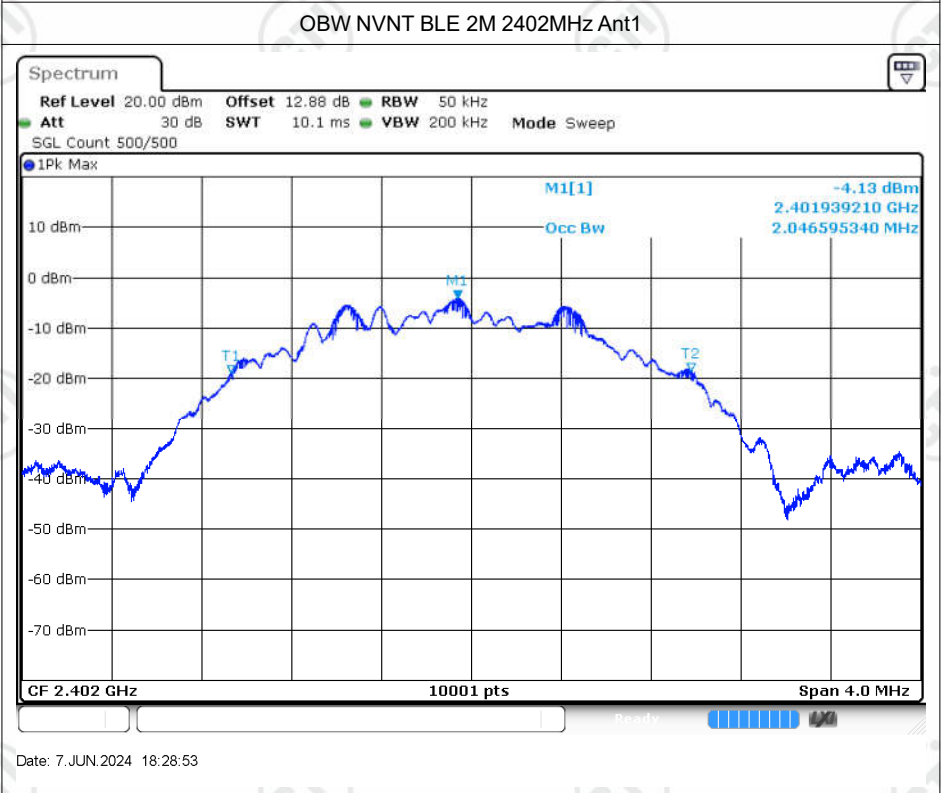
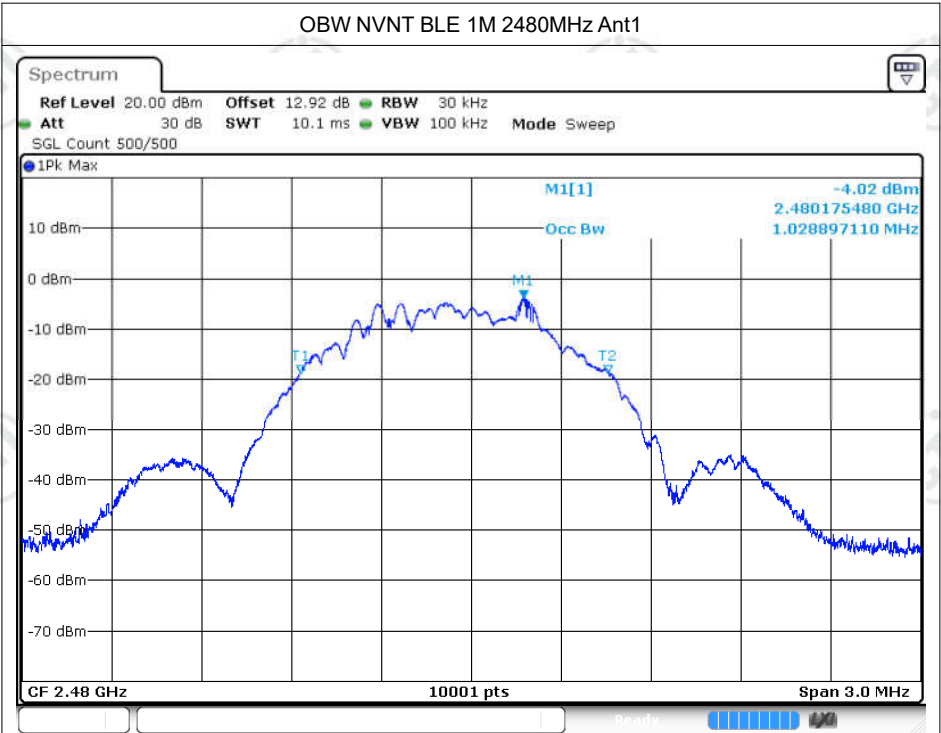


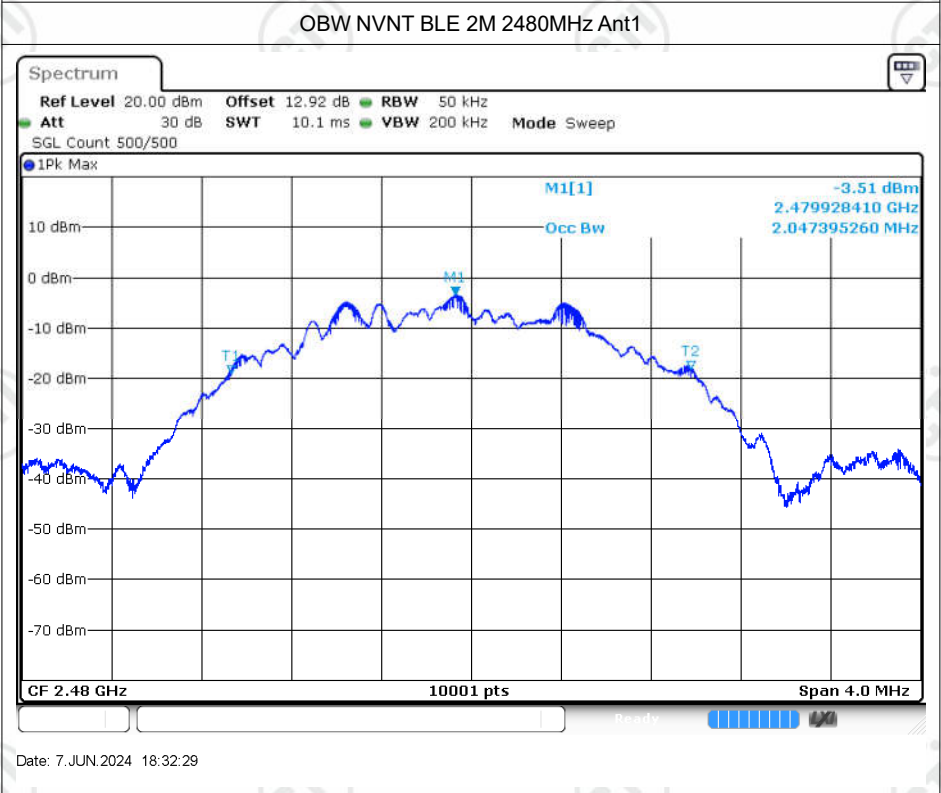
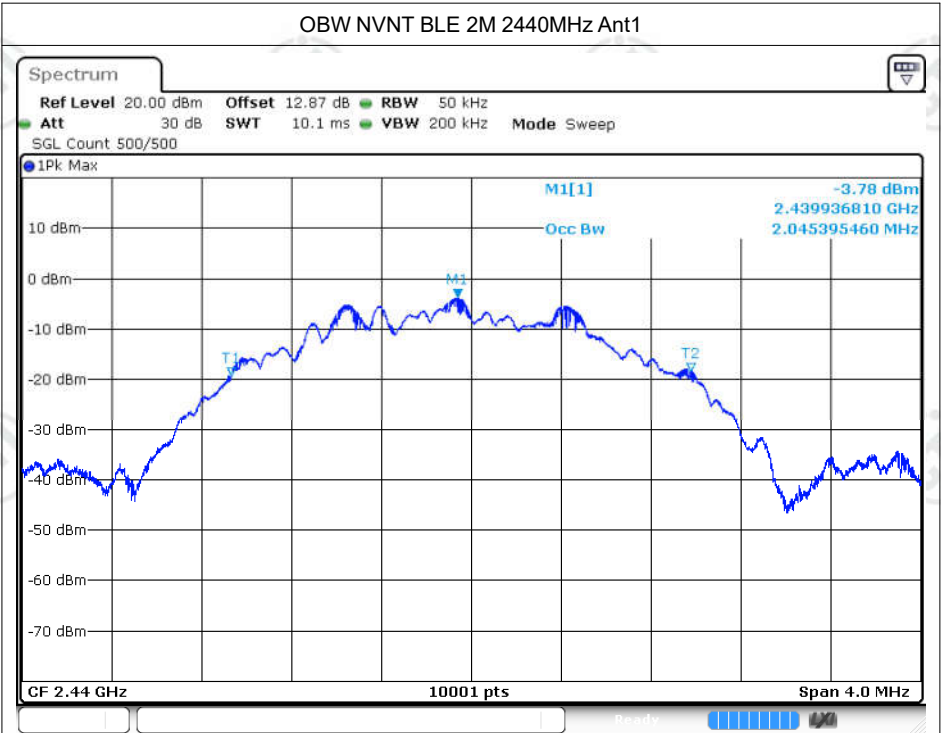


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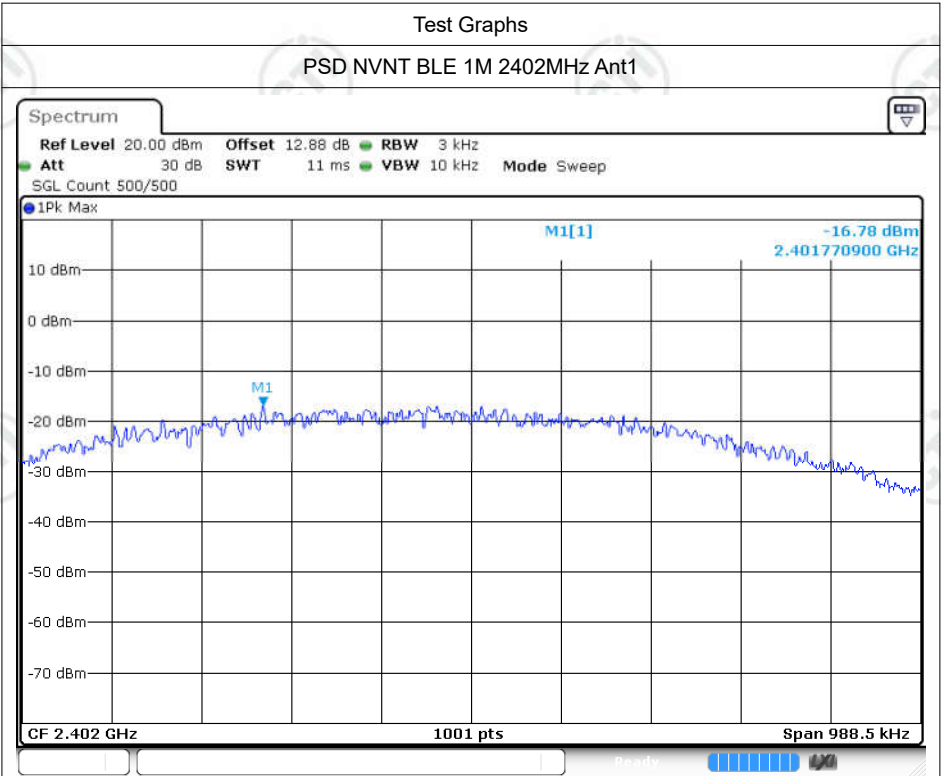
Date: 7.JUN.2024 18:23:17



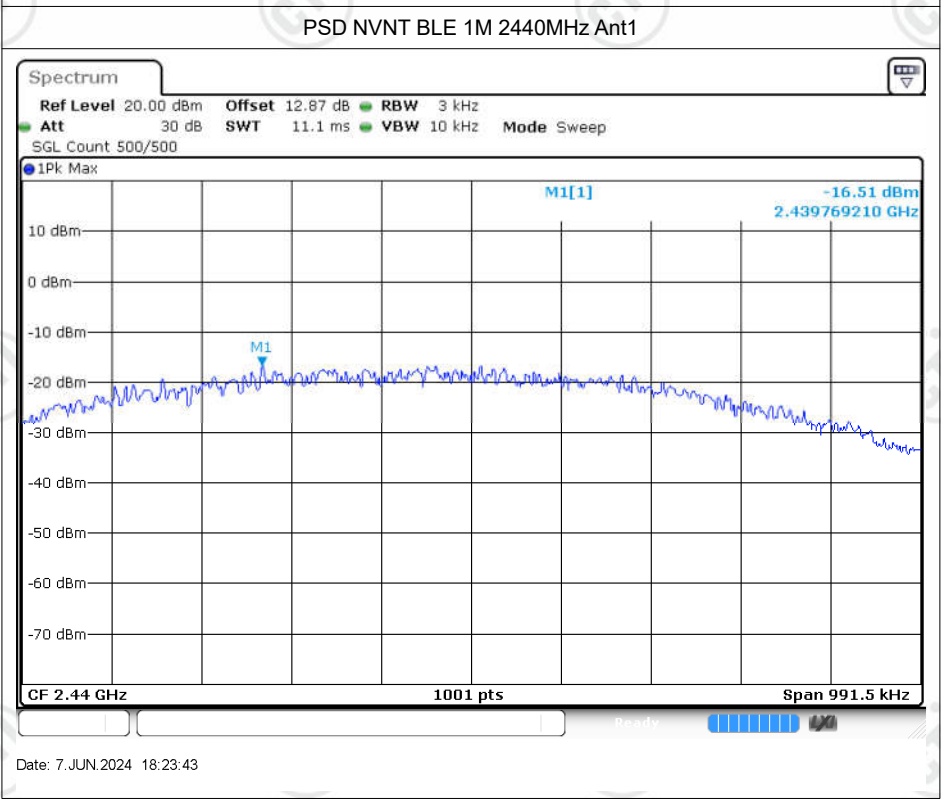


## Maximum Power Spectral Density Level

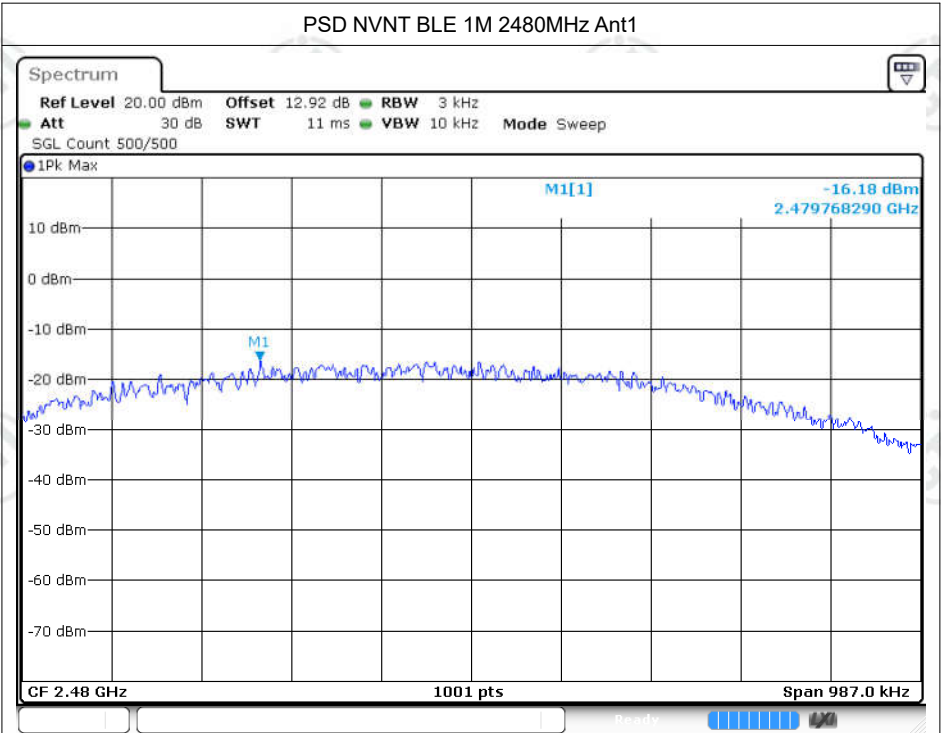
| Condition | Mode   | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|--------|-----------------|---------|--------------------------|------------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -16.78                   | 8                | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -16.51                   | 8                | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -16.18                   | 8                | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | -19.87                   | 8                | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | -19.59                   | 8                | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | -19.18                   | 8                | Pass    |



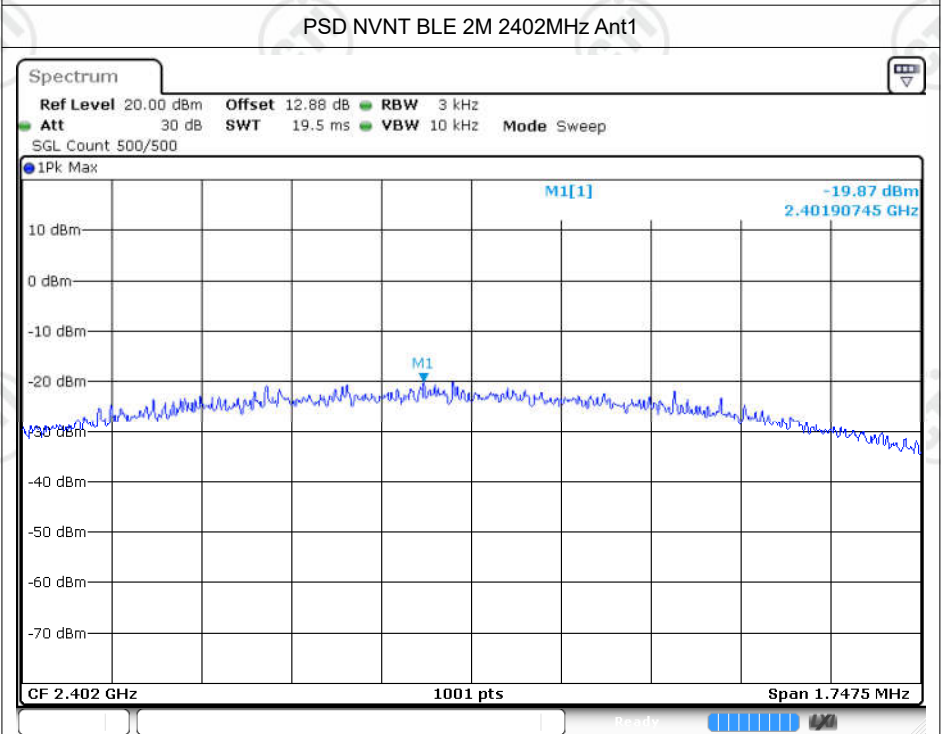
Date: 7.JUN.2024 18:21:53



Date: 7.JUN.2024 18:23:43

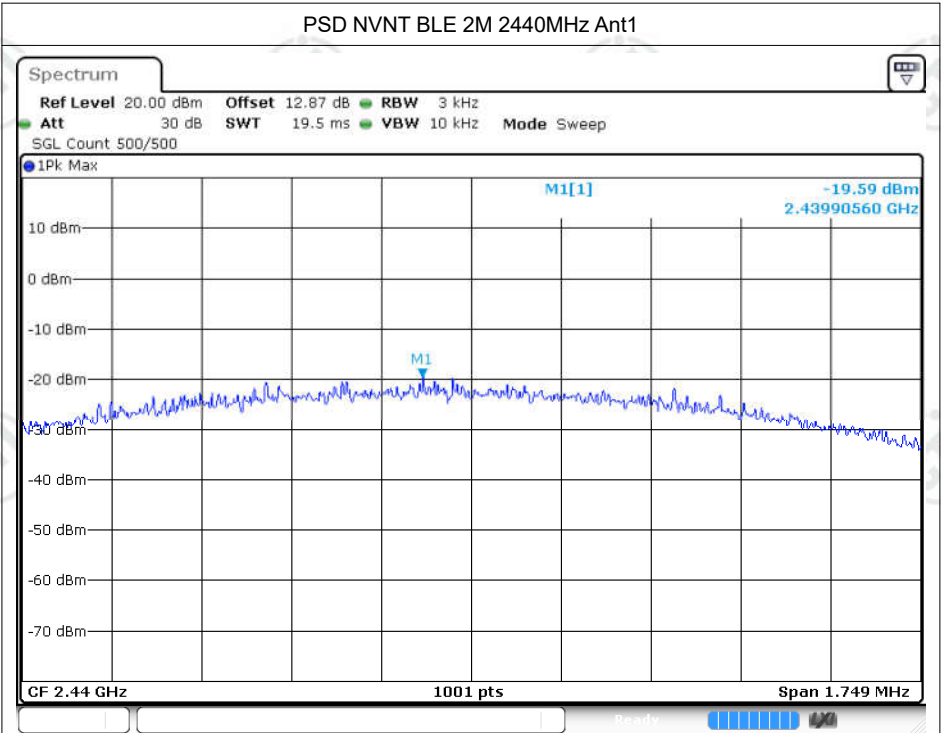


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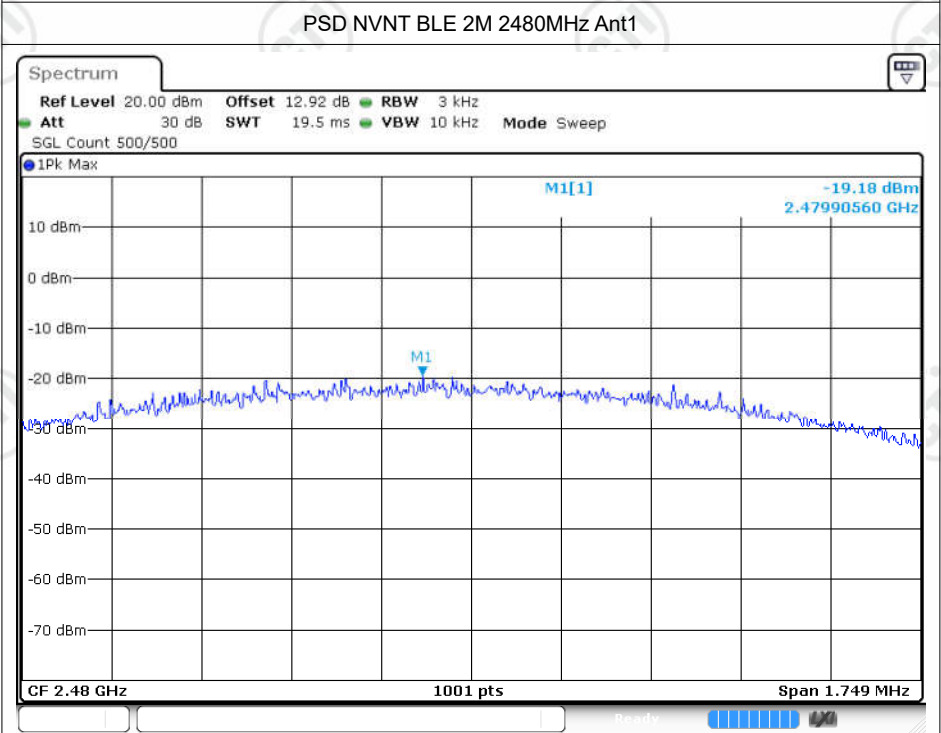


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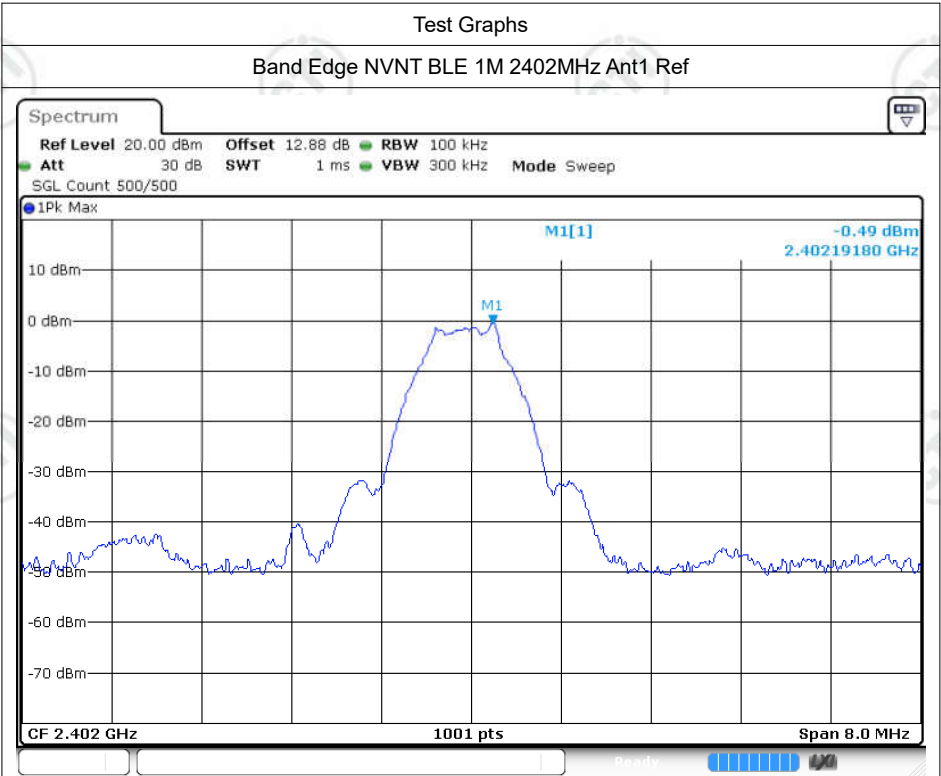
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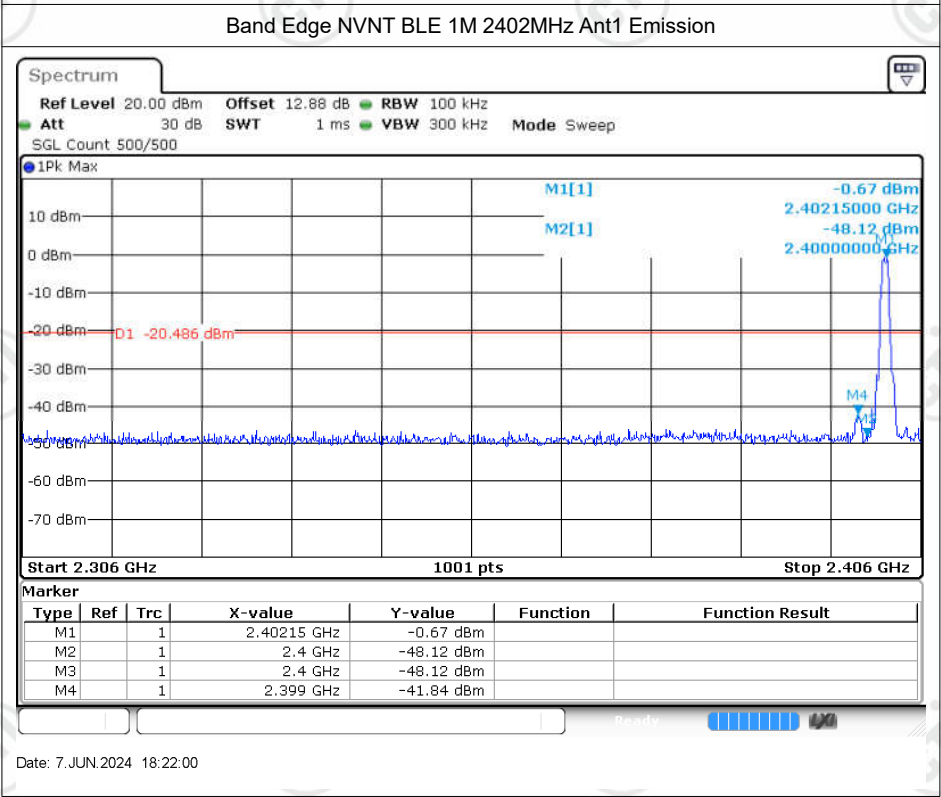
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Band Edge

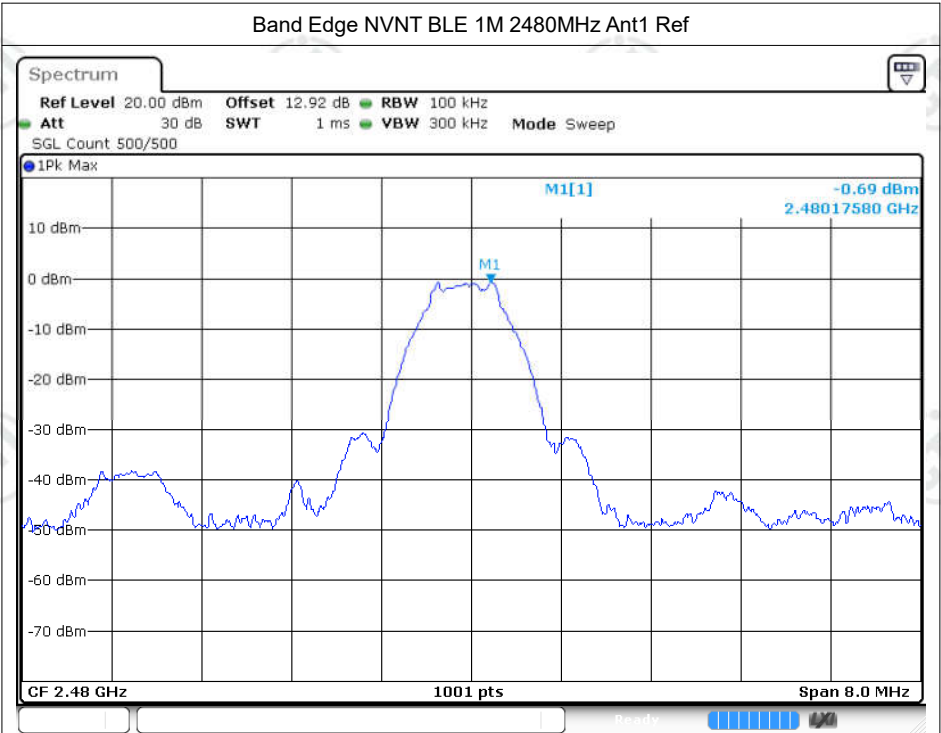
| Condition | Mode   | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -41.34          | -20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -43.45          | -20         | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | -32.37          | -20         | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | -45.35          | -20         | Pass    |



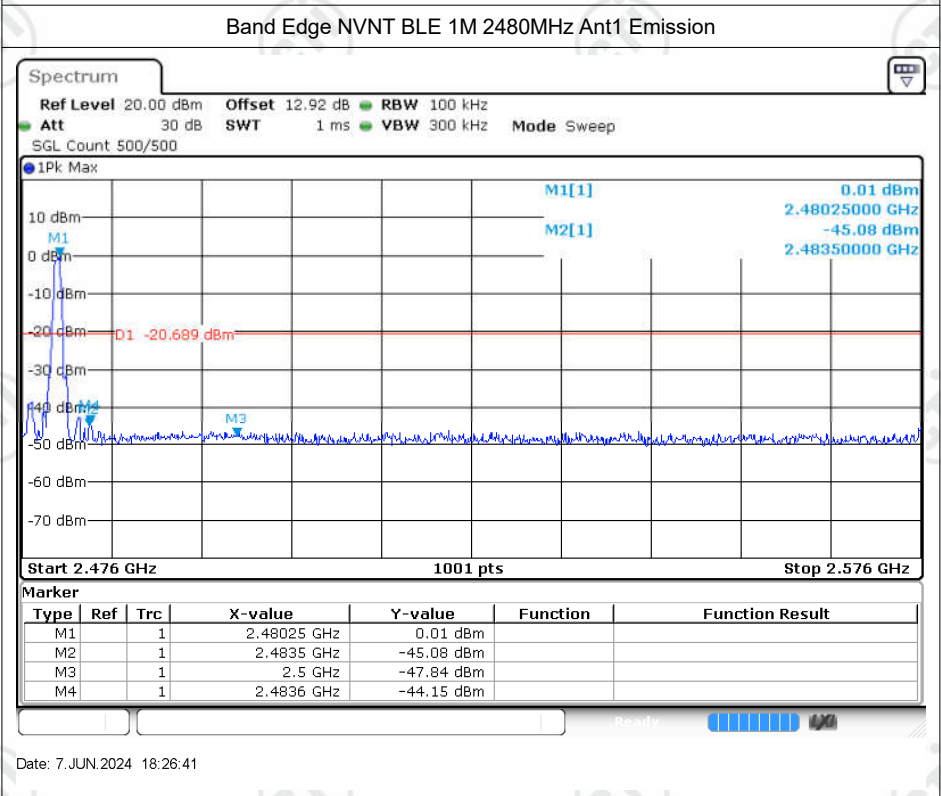
Date: 7.JUN.2024 18:21:57



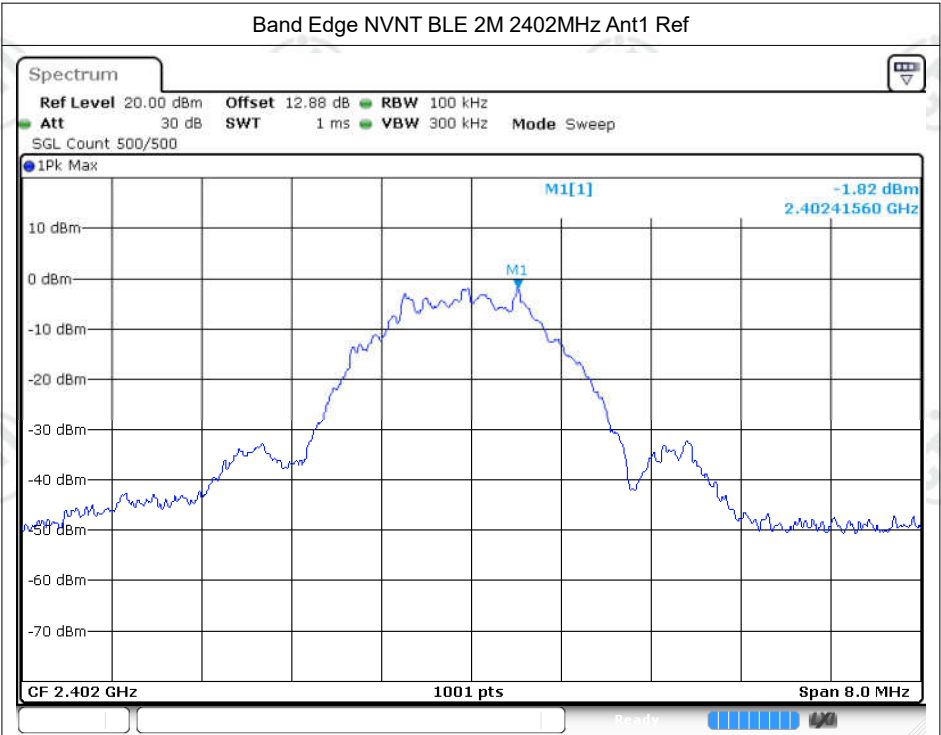
Date: 7.JUN.2024 18:22:00



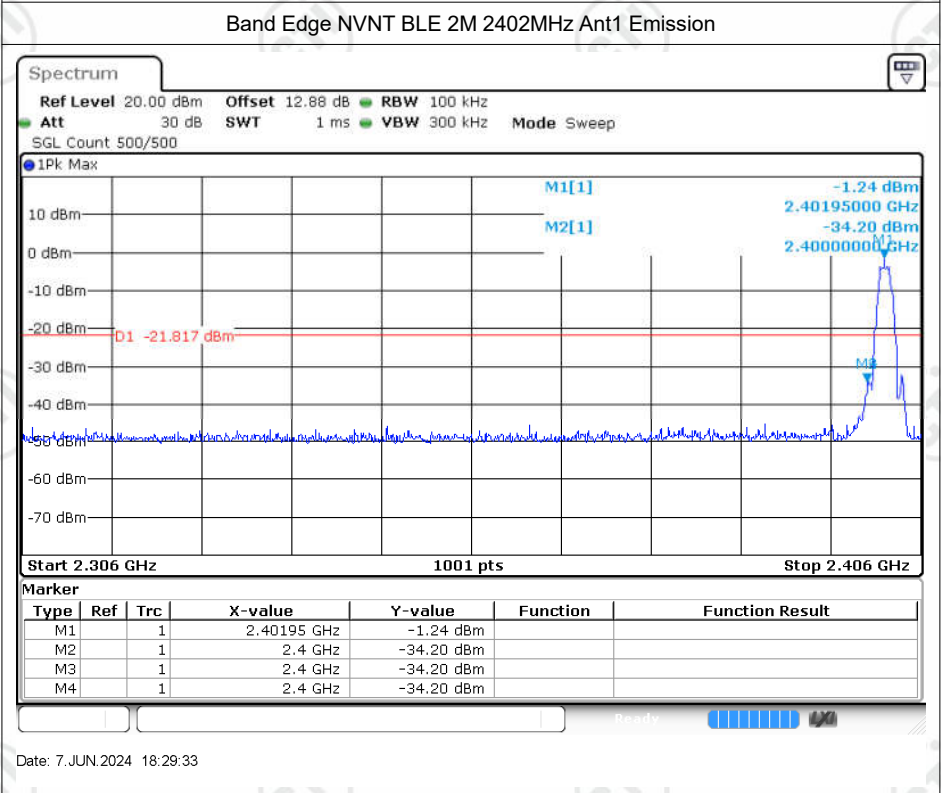
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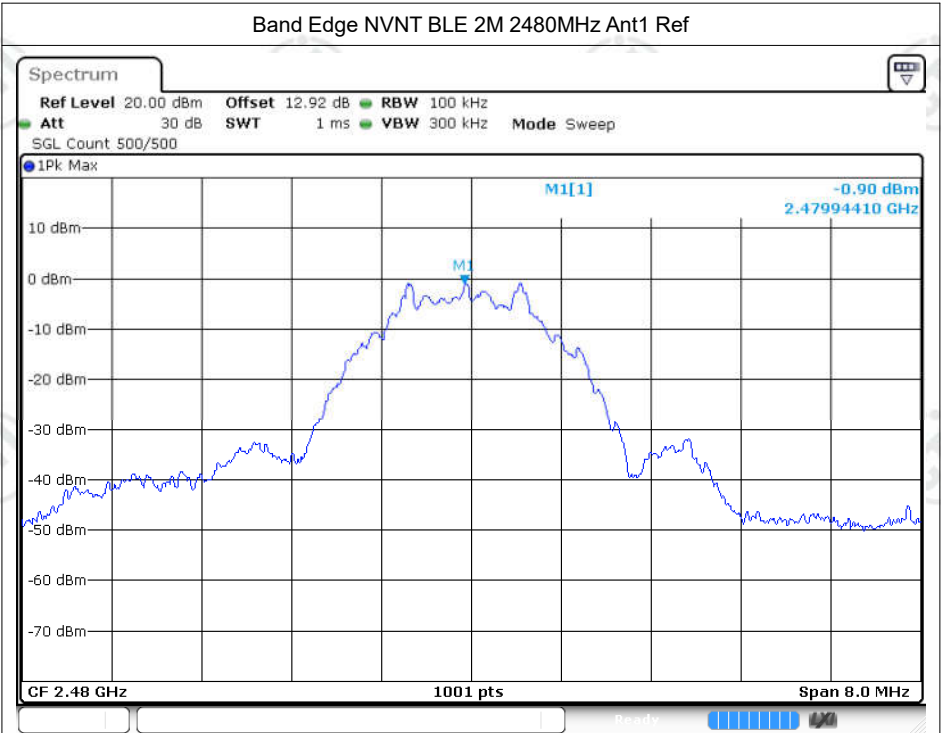
Date: 7 JUN 2024 18:26:41



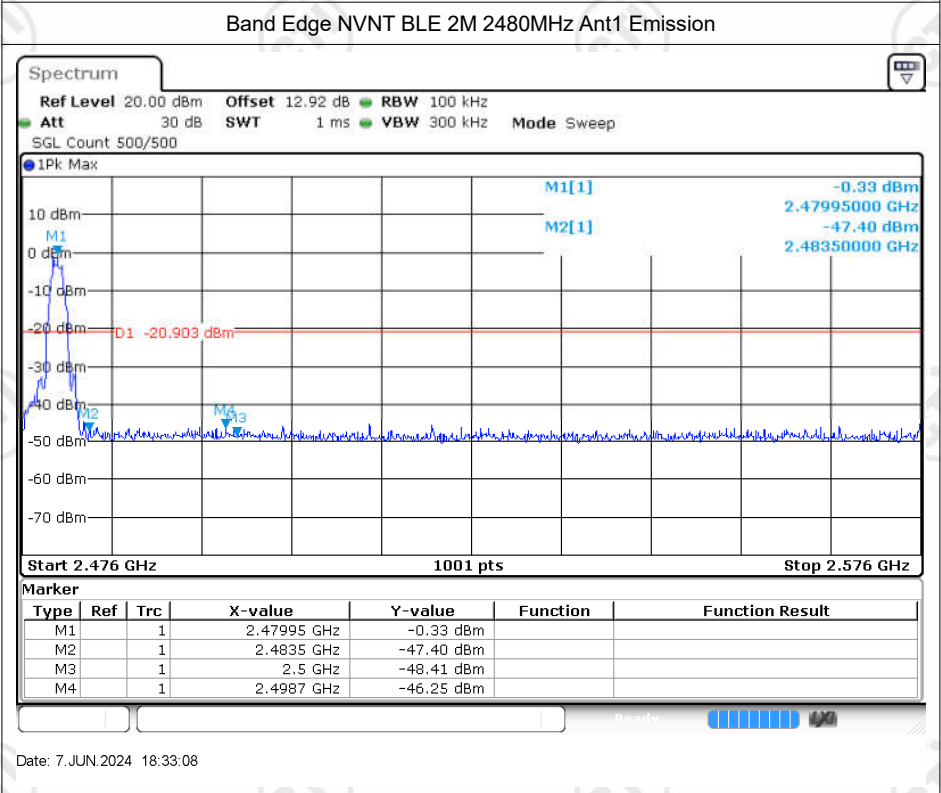
Date: 7 JUN 2024 18:29:30



Date: 7 JUN 2024 18:29:33



Date: 7 JUN 2024 18:33:06

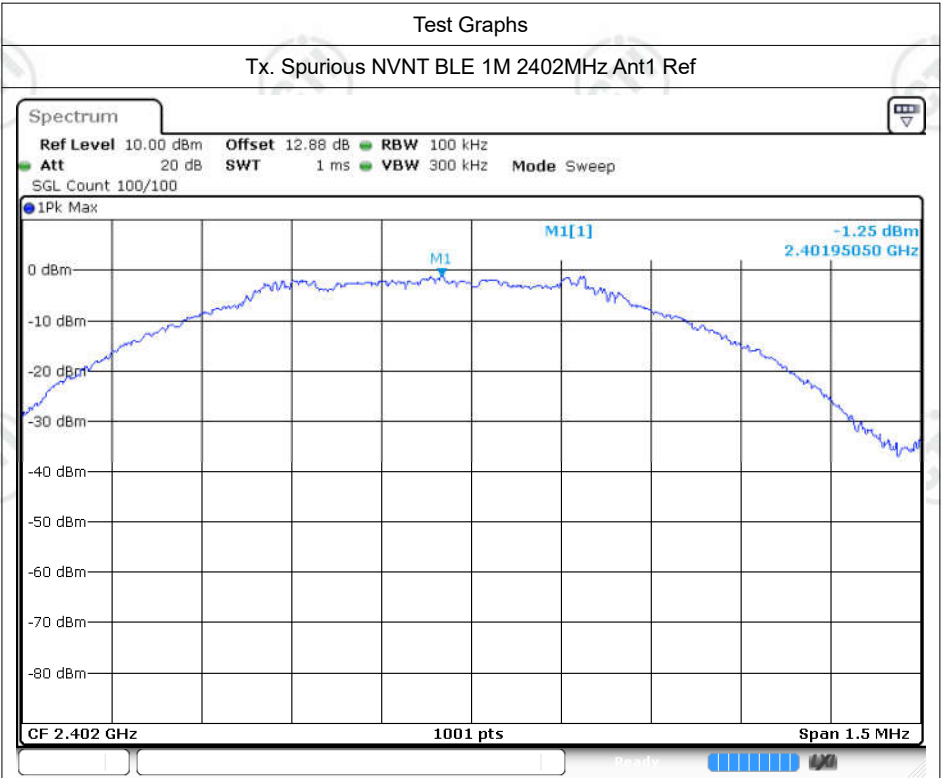


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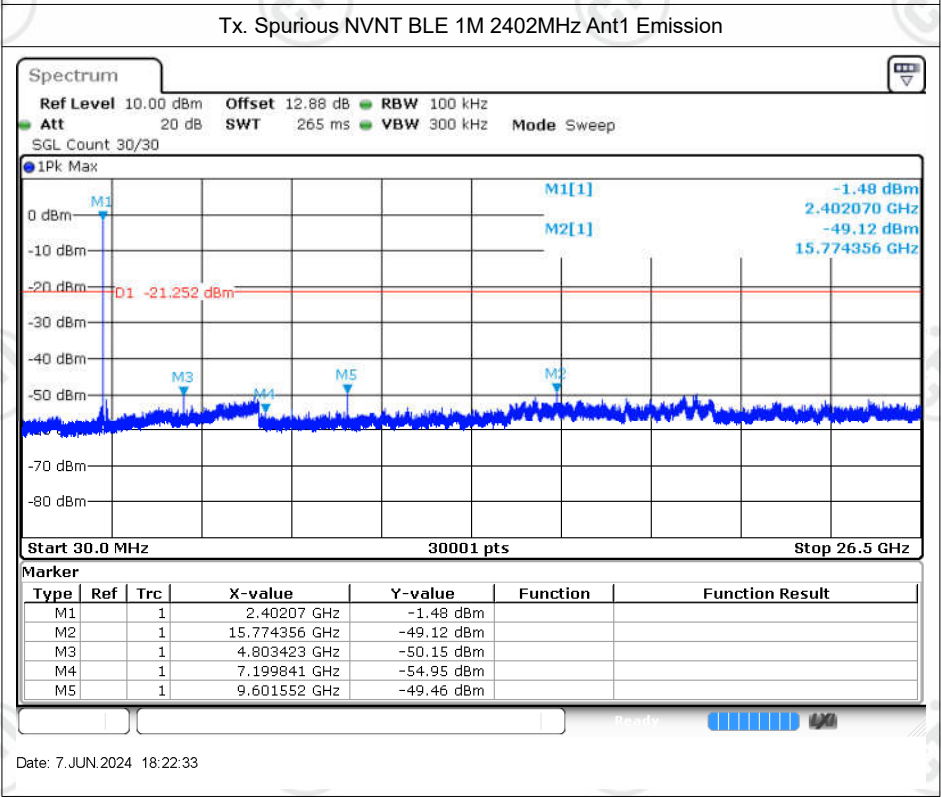


Conducted RF Spurious Emission

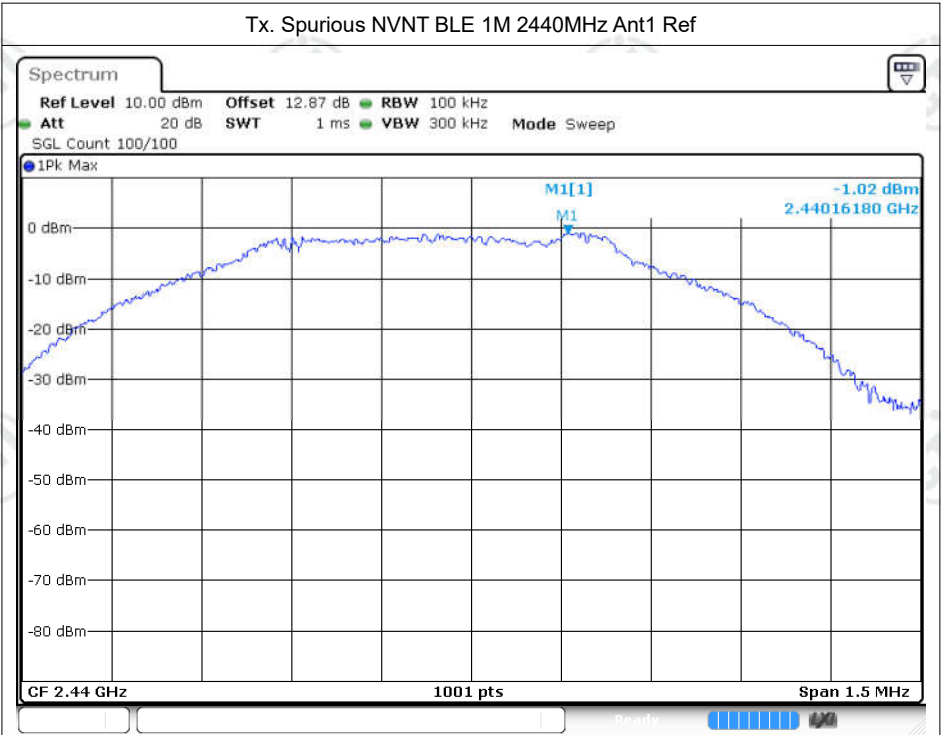
| Condition | Mode   | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -47.86          | -20         | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -47.49          | -20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -46.11          | -20         | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | -48.14          | -20         | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | -47.34          | -20         | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | -47.67          | -20         | Pass    |



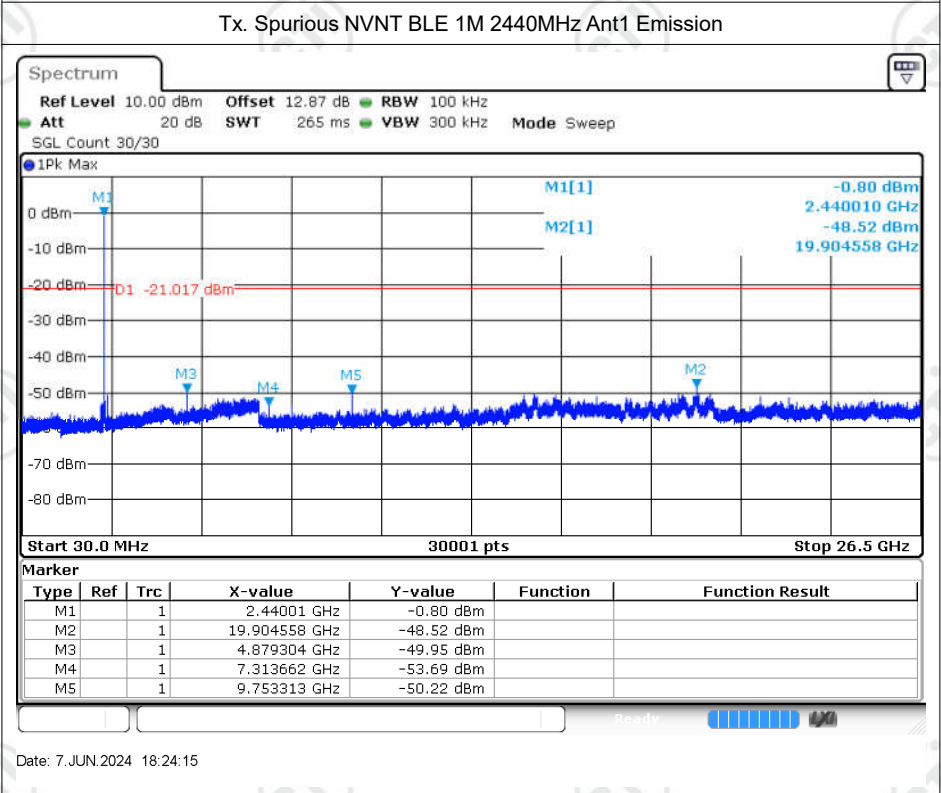
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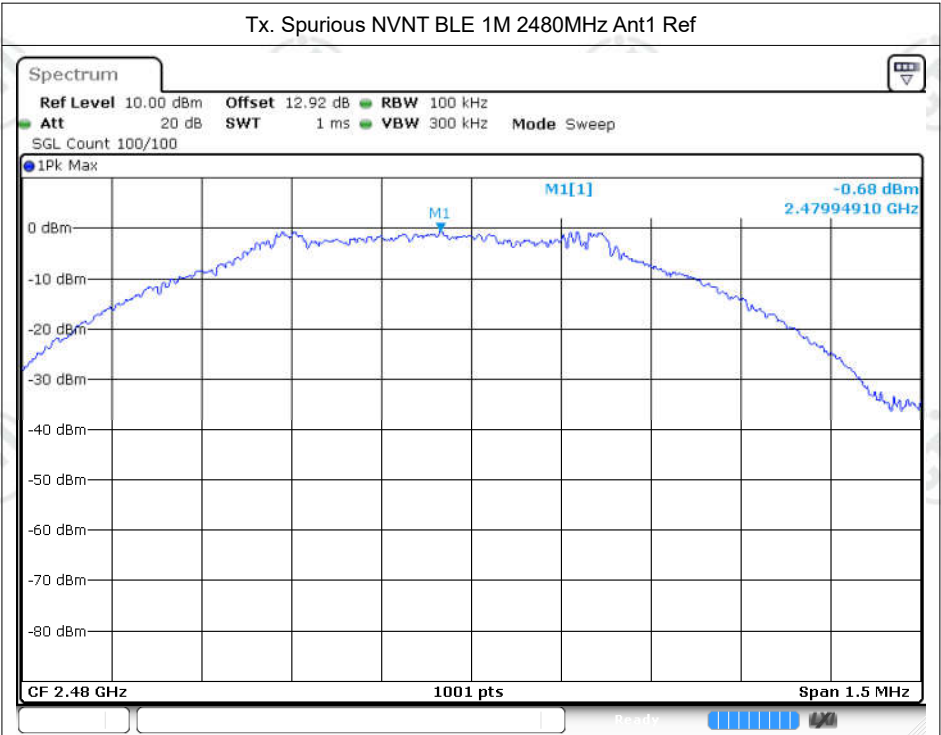


Date: 7 JUN 2024 18:22:33

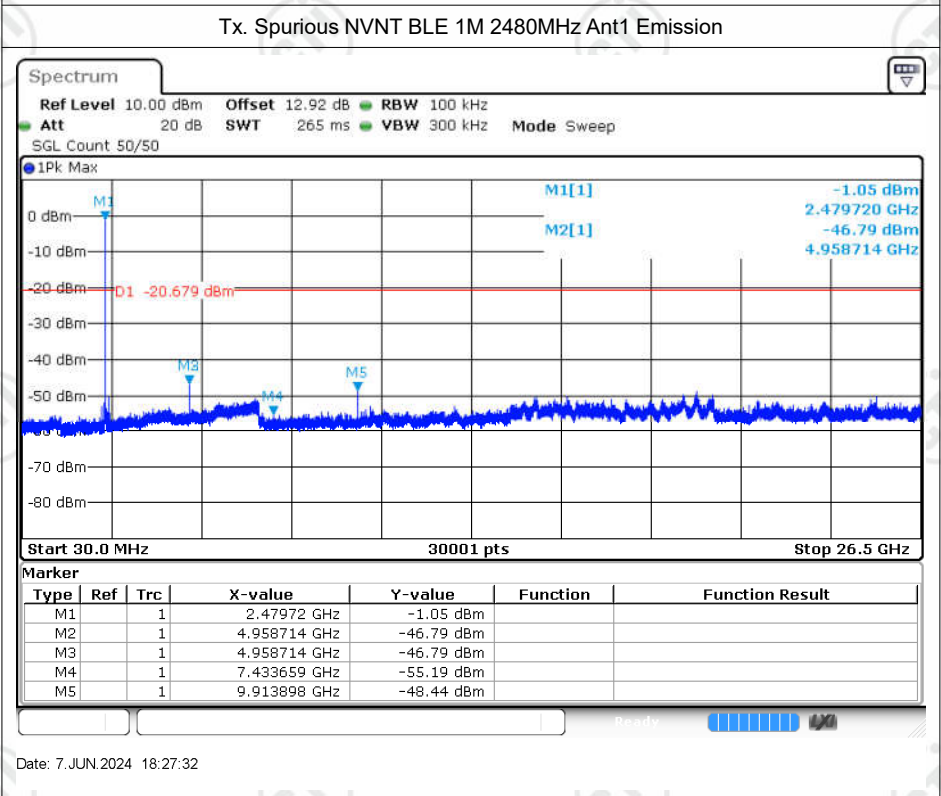


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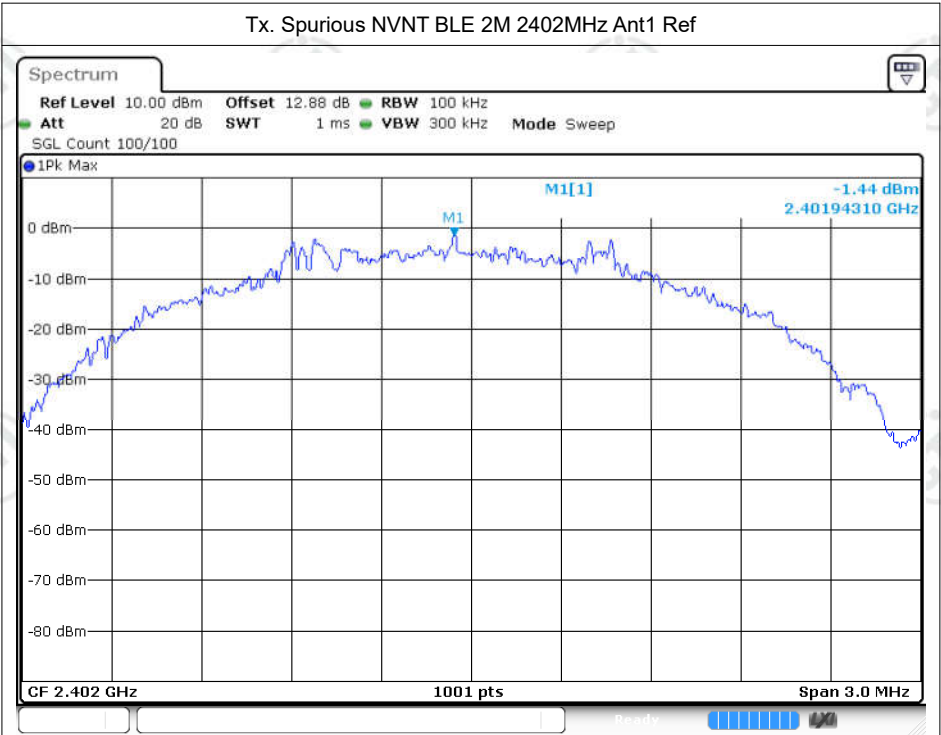




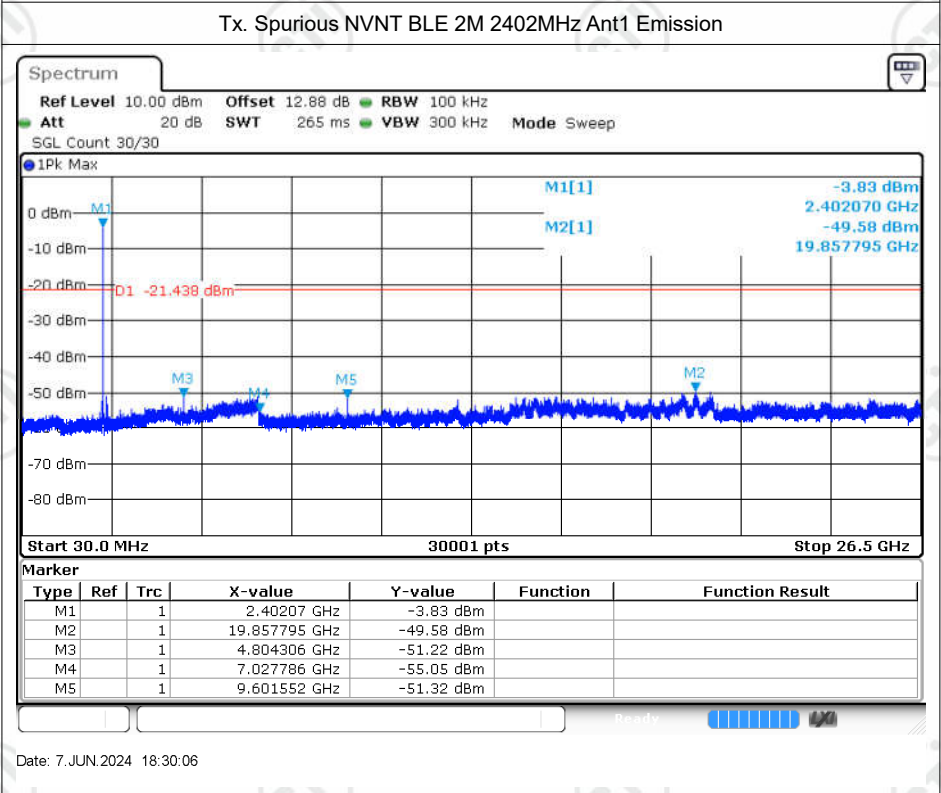
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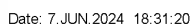
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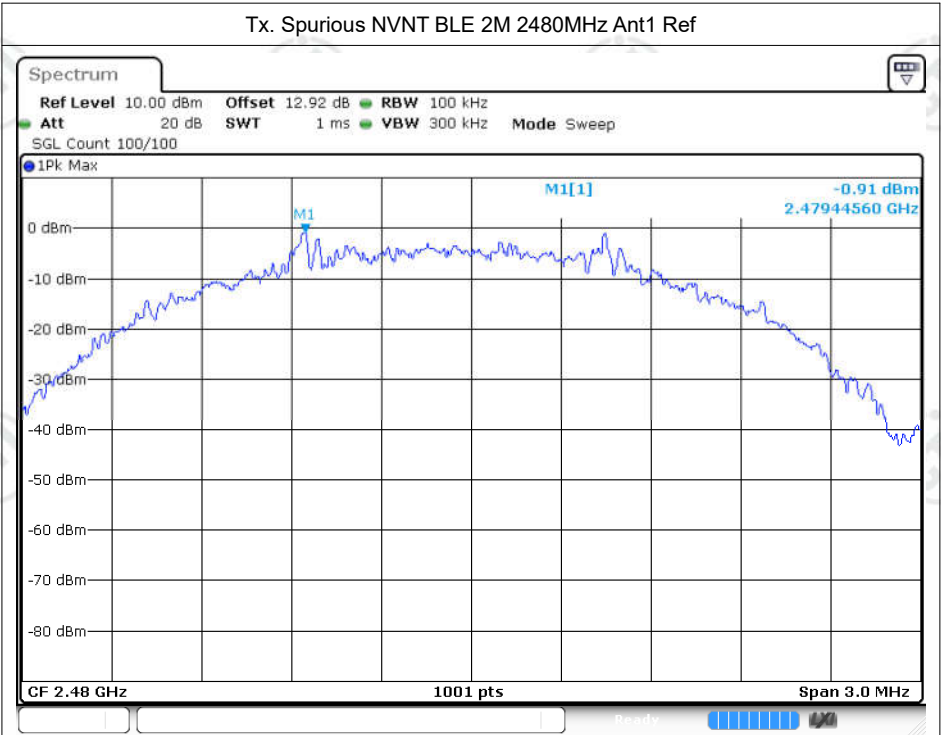
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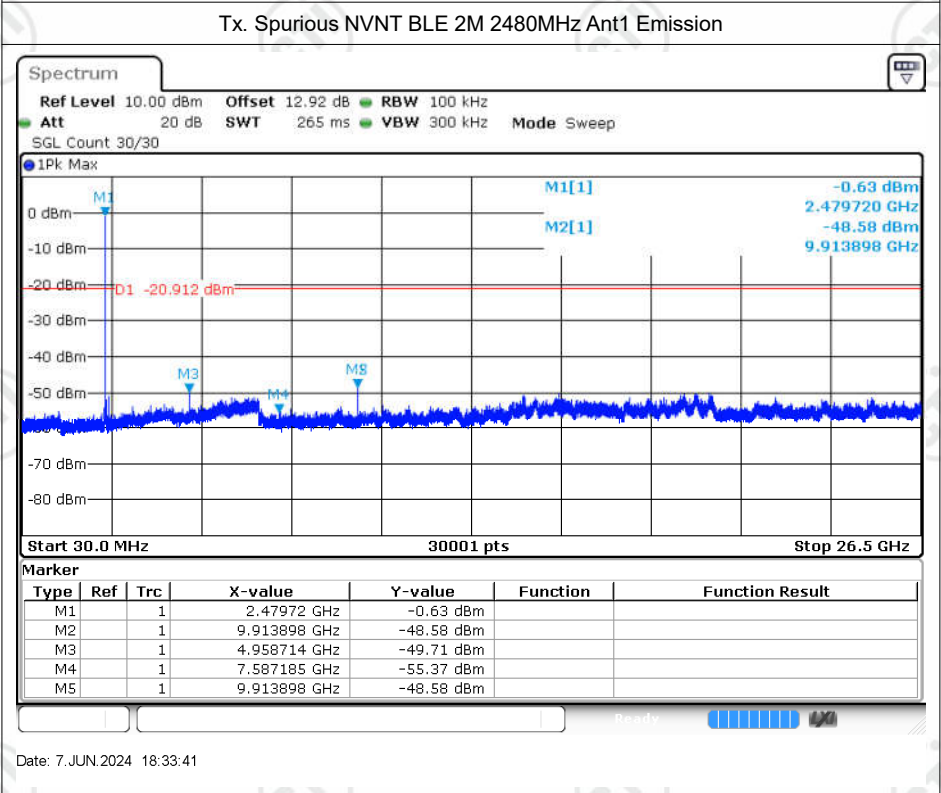
Date: 7 JUN 2024 18:30:06







Date: 7 JUN 2024 18:33:11



Date: 7 JUN 2024 18:33:41

\*\*\* End of Report \*\*\*