

## Appendix: 2.4G Wi-Fi

Contents

Duty Cycle ..... 3

Maximum Peak Conducted Output Power ..... 16

-6dB Bandwidth ..... 18

Occupied Channel Bandwidth ..... 31

Maximum Power Spectral Density Level ..... 44

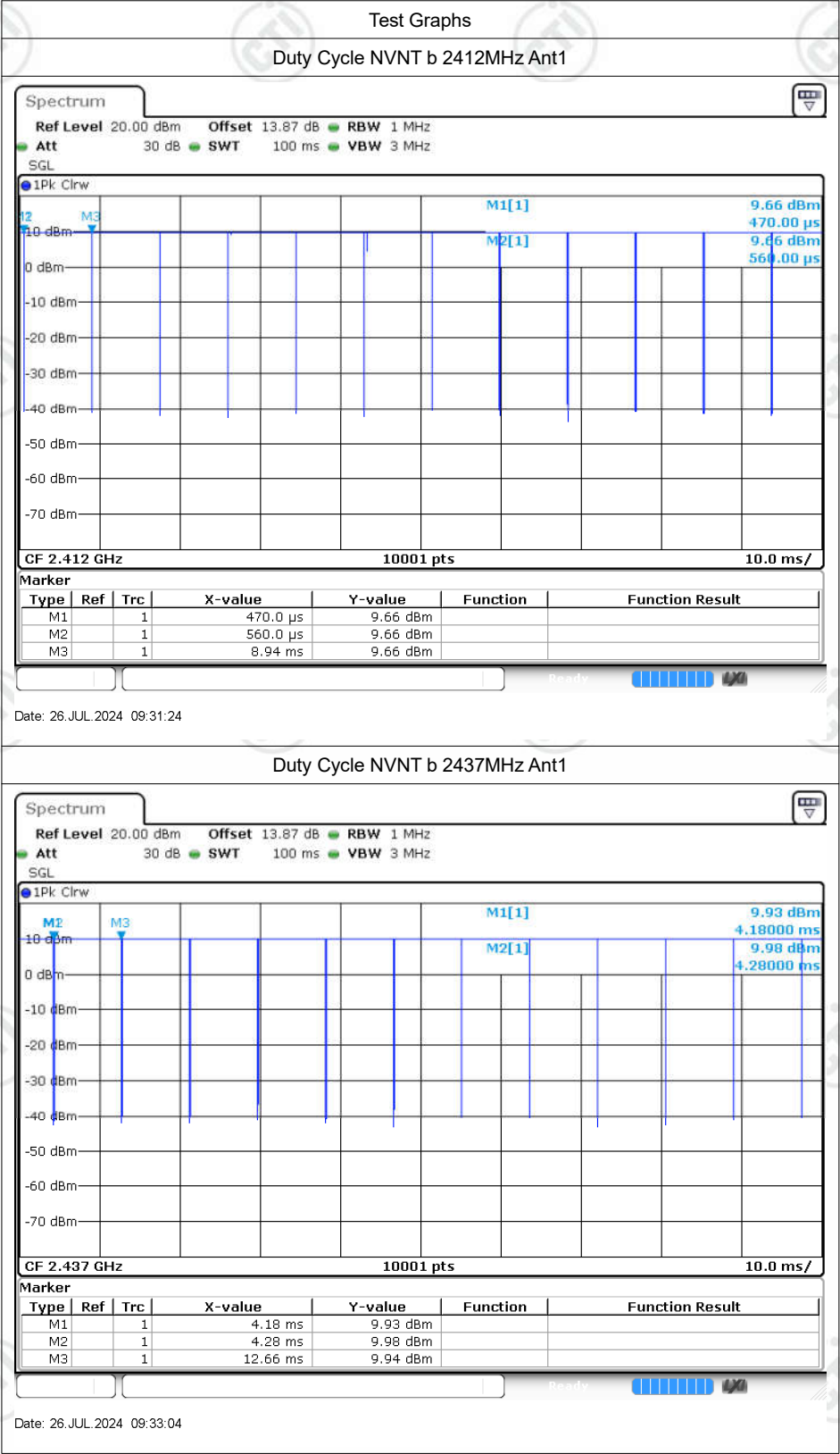
Band Edge ..... 64

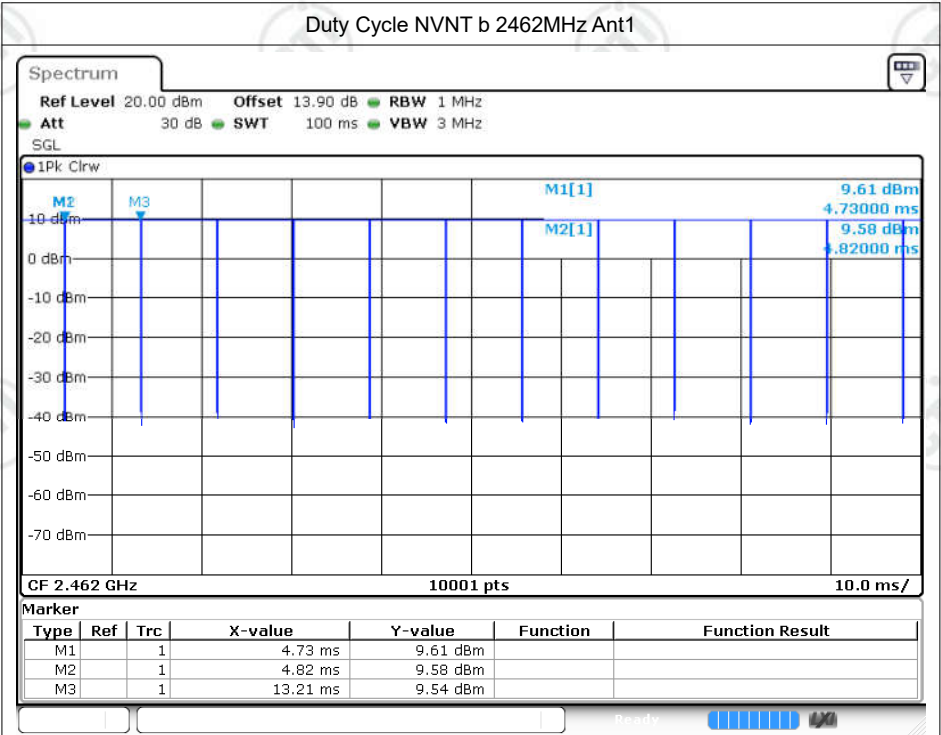
Conducted RF Spurious Emission ..... 81

## Duty Cycle

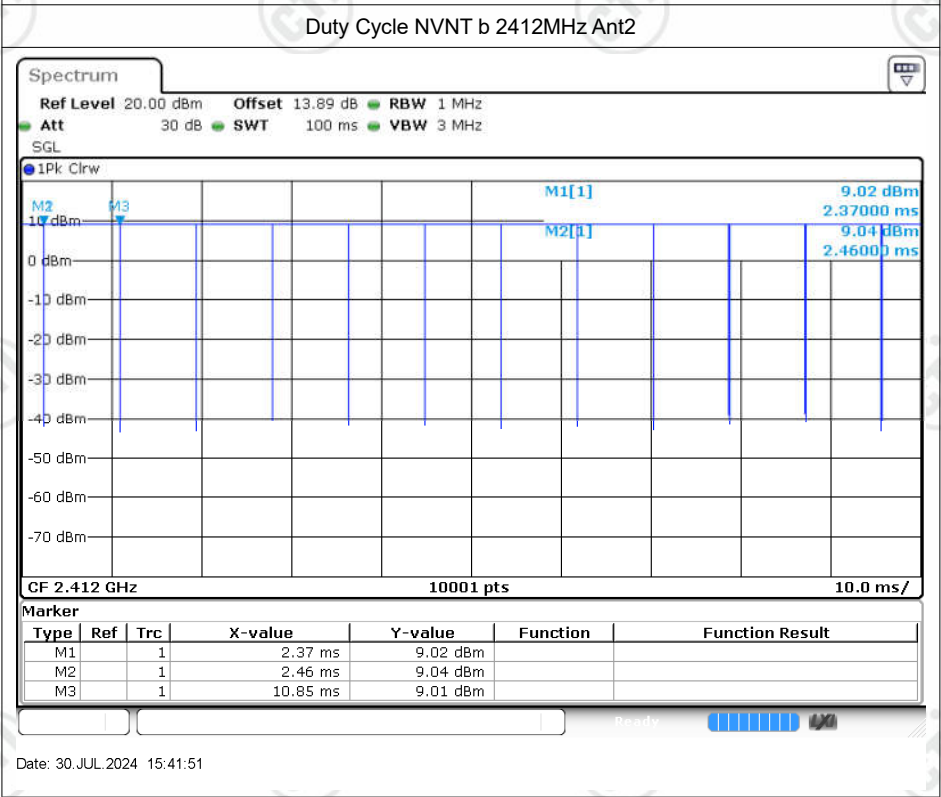
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|-----------------------------------|-----------|
| NVNT      | b    | 2412            | Ant1    | 98.94          | 0                                 | 0.12      |
| NVNT      | b    | 2437            | Ant1    | 98.82          | 0                                 | 0.12      |
| NVNT      | b    | 2462            | Ant1    | 98.94          | 0                                 | 0.12      |
| NVNT      | b    | 2412            | Ant2    | 98.94          | 0                                 | 0.12      |
| NVNT      | b    | 2437            | Ant2    | 98.94          | 0                                 | 0.12      |
| NVNT      | b    | 2462            | Ant2    | 98.94          | 0                                 | 0.12      |
| NVNT      | g    | 2412            | Ant1    | 93.29          | 0.3                               | 0.72      |
| NVNT      | g    | 2437            | Ant1    | 93.29          | 0.3                               | 0.72      |
| NVNT      | g    | 2462            | Ant1    | 93.96          | 0.27                              | 0.71      |
| NVNT      | g    | 2412            | Ant2    | 93.29          | 0.3                               | 0.72      |
| NVNT      | g    | 2437            | Ant2    | 93.29          | 0.3                               | 0.72      |
| NVNT      | g    | 2462            | Ant2    | 93.29          | 0.3                               | 0.72      |
| NVNT      | n20  | 2412            | Ant1    | 92.86          | 0.32                              | 0.77      |
| NVNT      | n20  | 2437            | Ant1    | 93.57          | 0.29                              | 0.76      |
| NVNT      | n20  | 2462            | Ant1    | 93.53          | 0.29                              | 0.77      |
| NVNT      | n20  | 2412            | Ant2    | 92.86          | 0.32                              | 0.77      |
| NVNT      | n20  | 2437            | Ant2    | 92.86          | 0.32                              | 0.77      |
| NVNT      | n20  | 2462            | Ant2    | 92.86          | 0.32                              | 0.77      |
| NVNT      | n40  | 2422            | Ant1    | 86.67          | 0.62                              | 1.54      |
| NVNT      | n40  | 2437            | Ant1    | 87.84          | 0.56                              | 1.54      |
| NVNT      | n40  | 2452            | Ant1    | 87.84          | 0.56                              | 1.54      |
| NVNT      | n40  | 2422            | Ant2    | 86.67          | 0.62                              | 1.54      |
| NVNT      | n40  | 2437            | Ant2    | 86.67          | 0.62                              | 1.54      |
| NVNT      | n40  | 2452            | Ant2    | 87.84          | 0.56                              | 1.54      |

Note:Duty Cycle Correction Factor (dB)=-10\*Ig Duty Cycle;

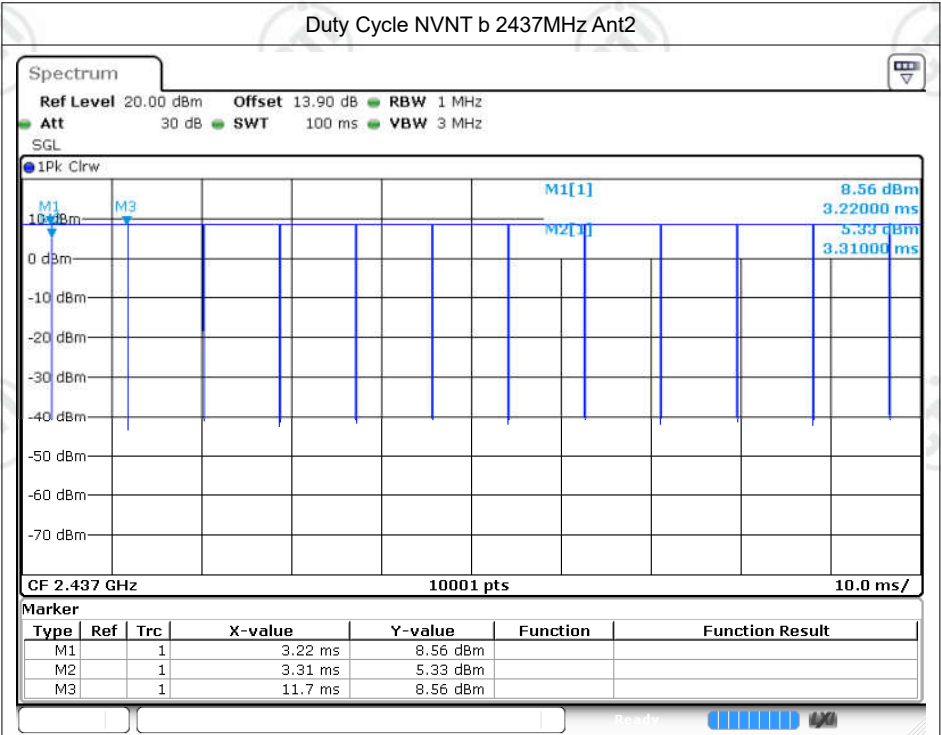




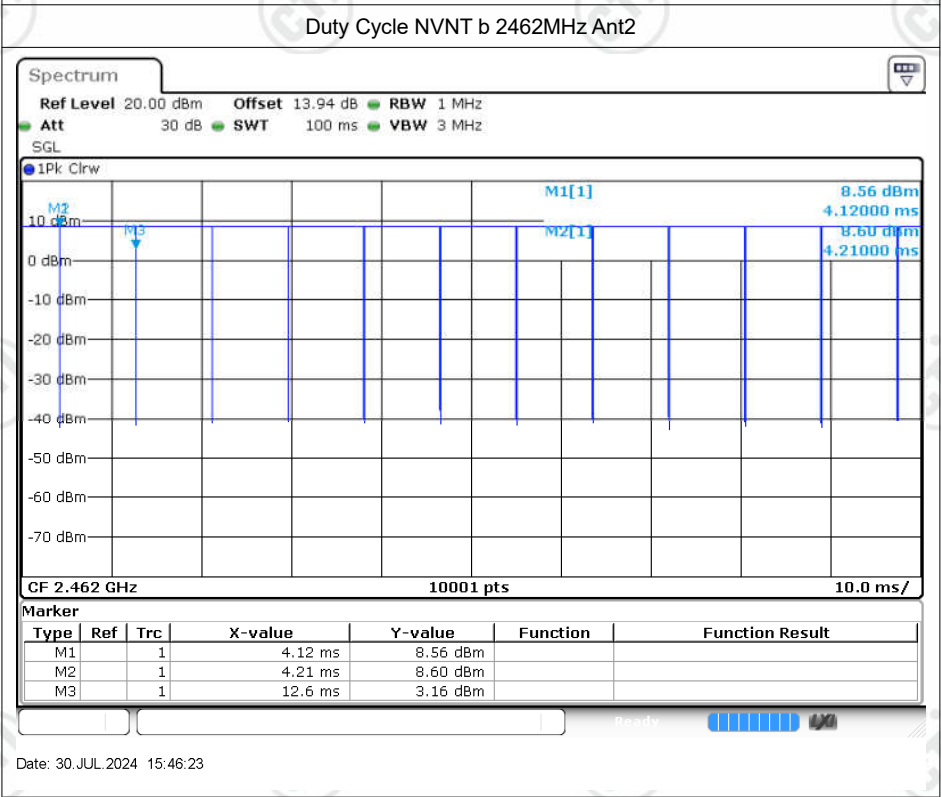
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Date: 30 JUL 2024 15:41:51

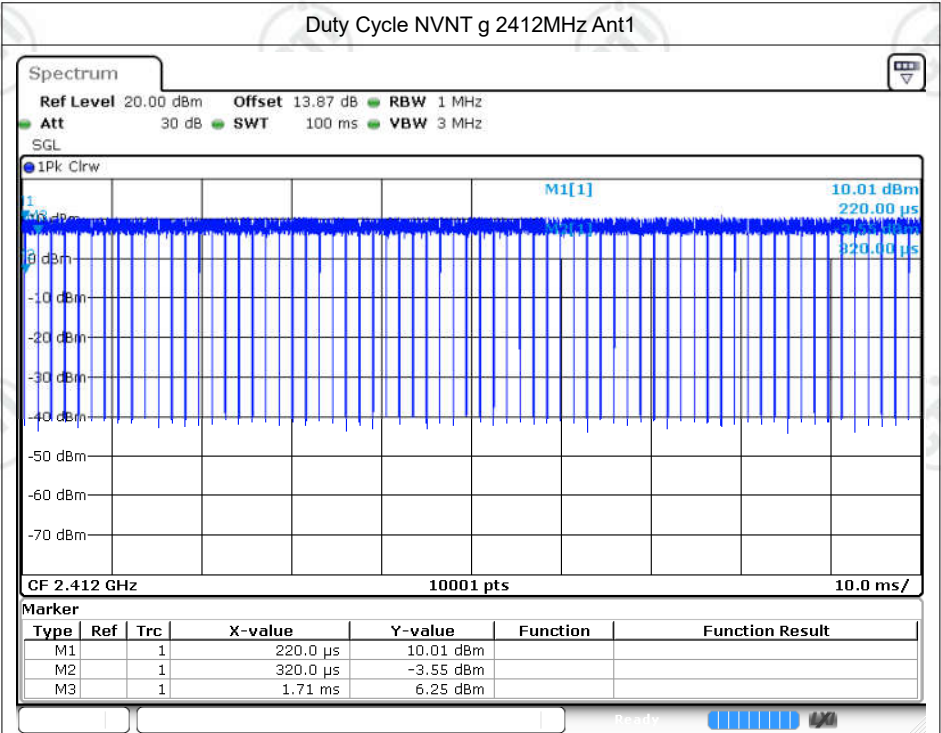


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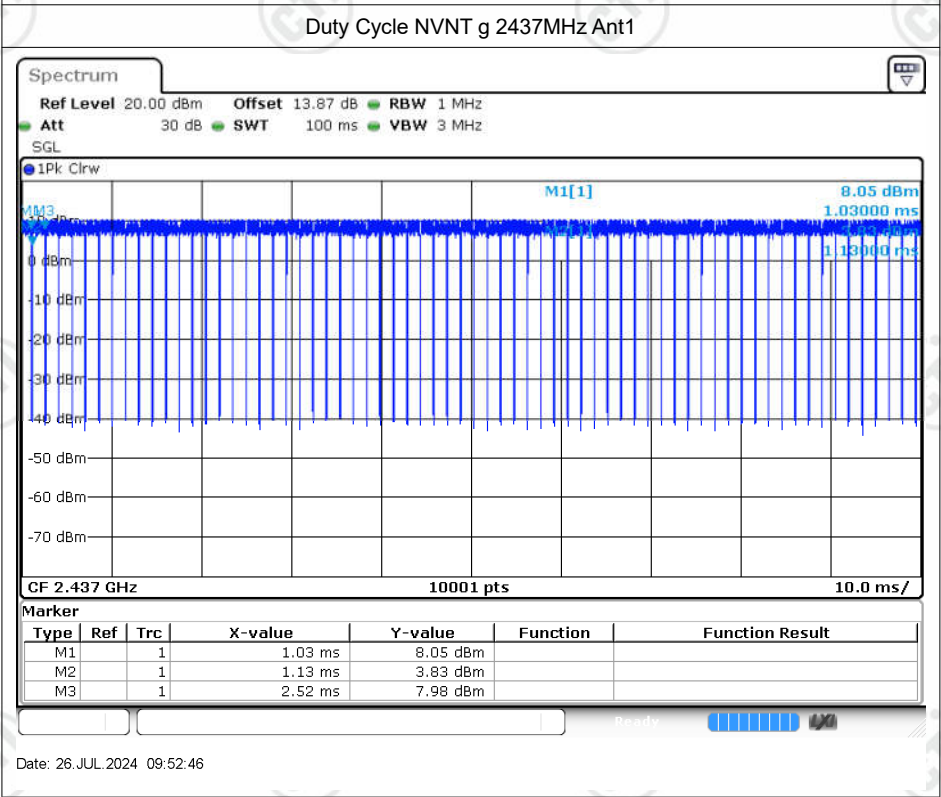


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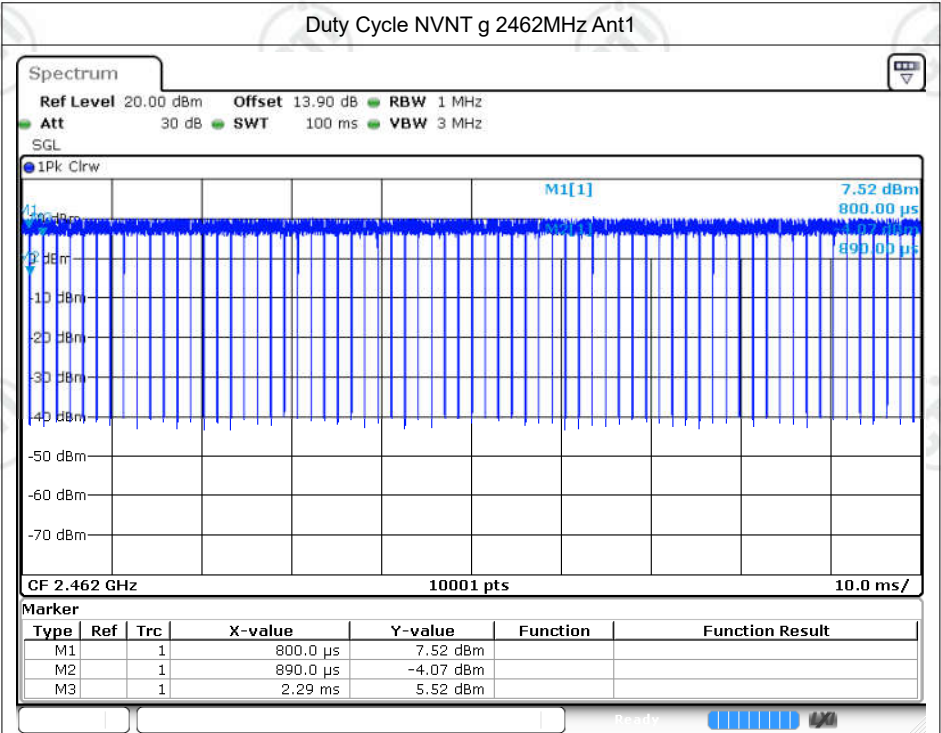




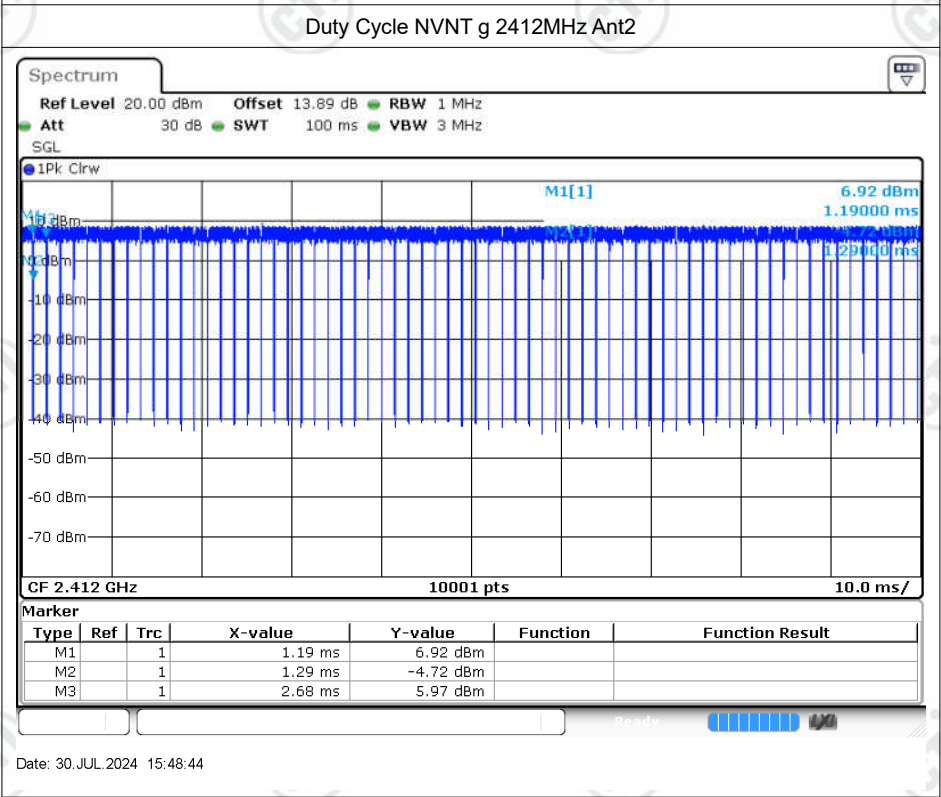
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Date: 26 JUL 2024 09:52:46

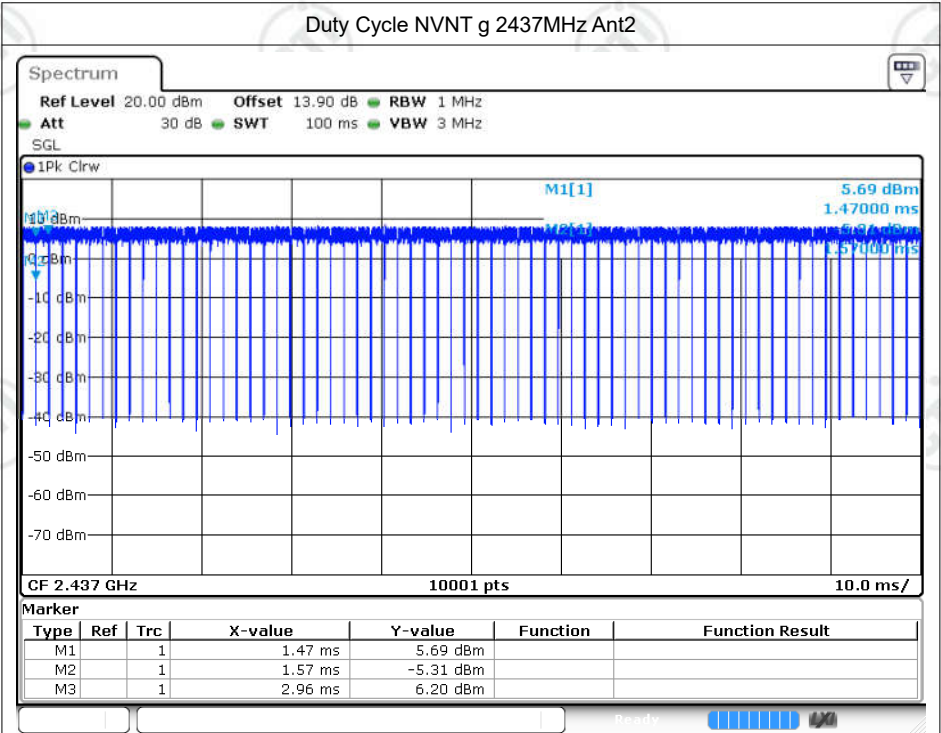


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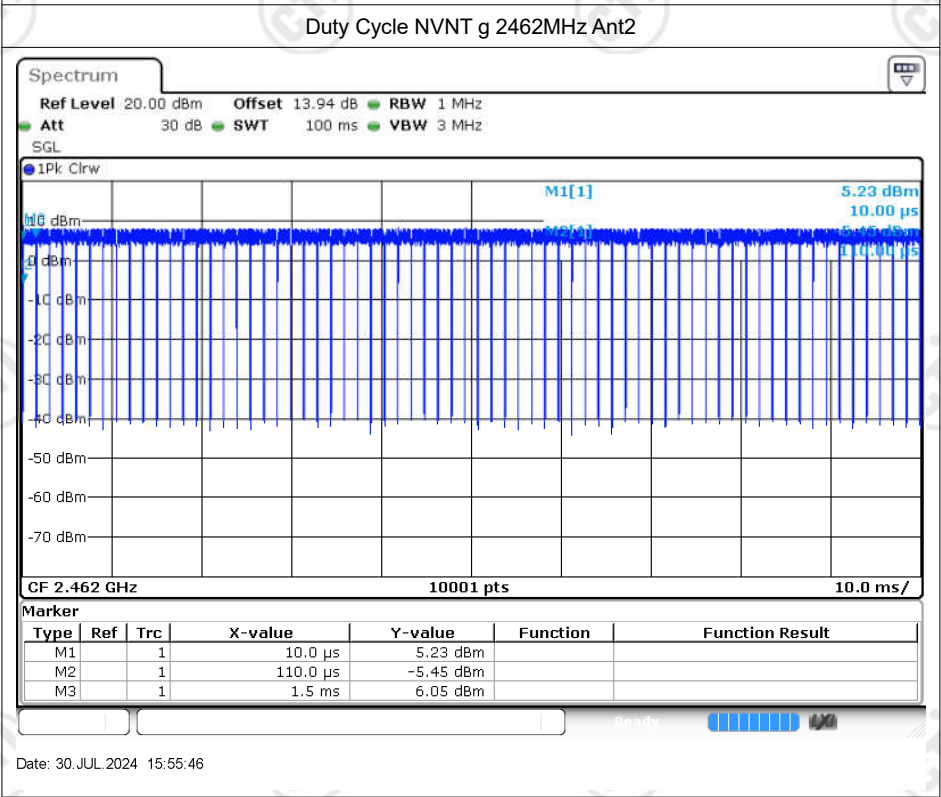


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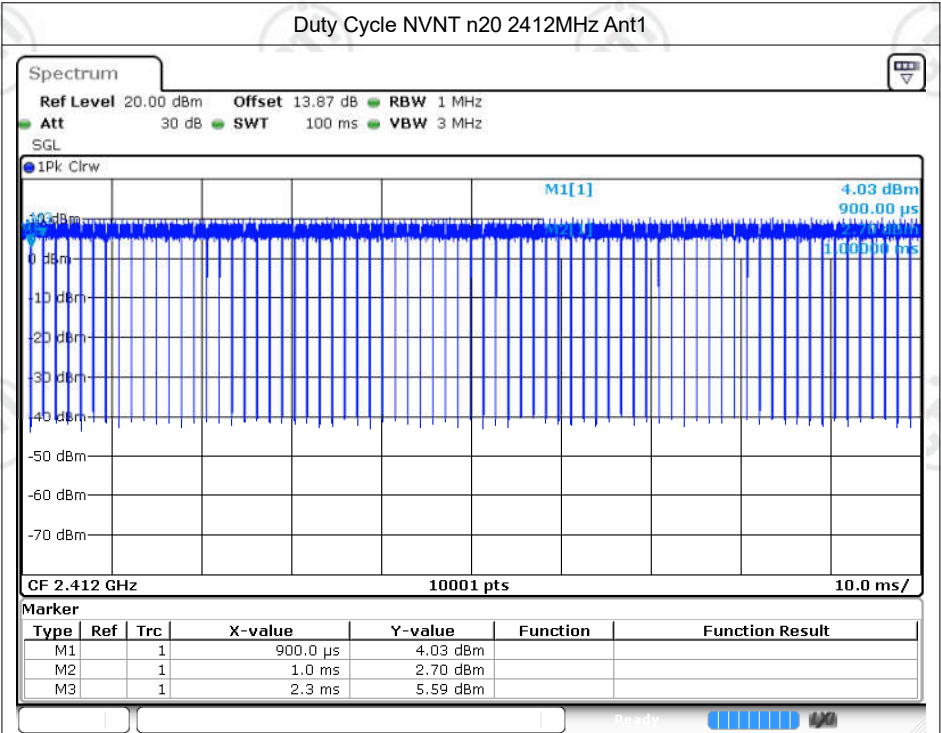




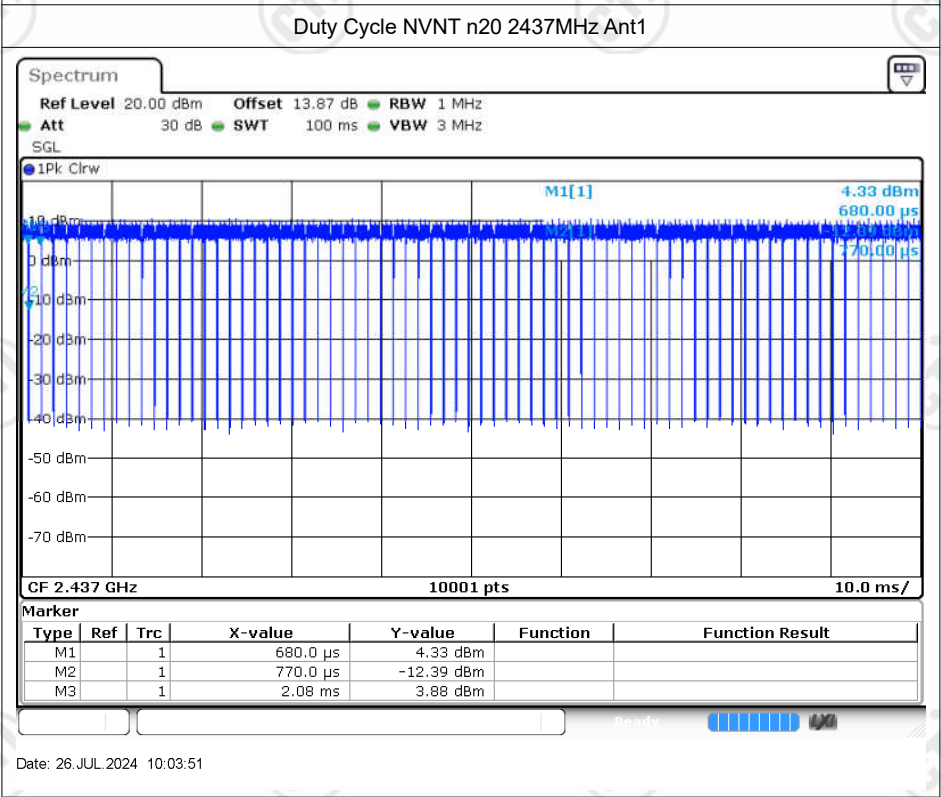
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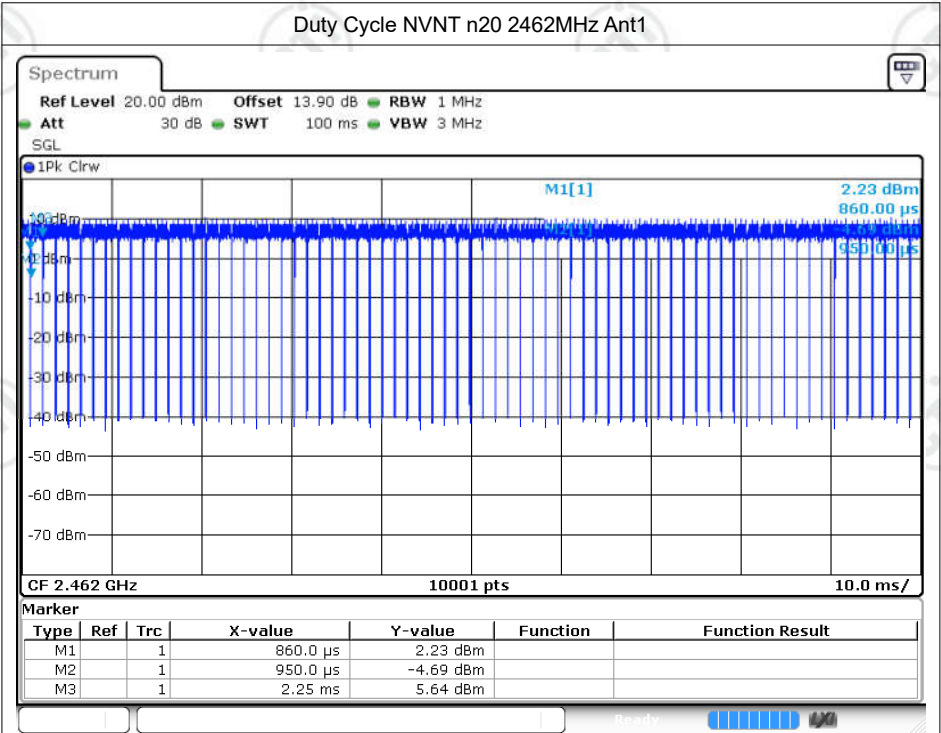
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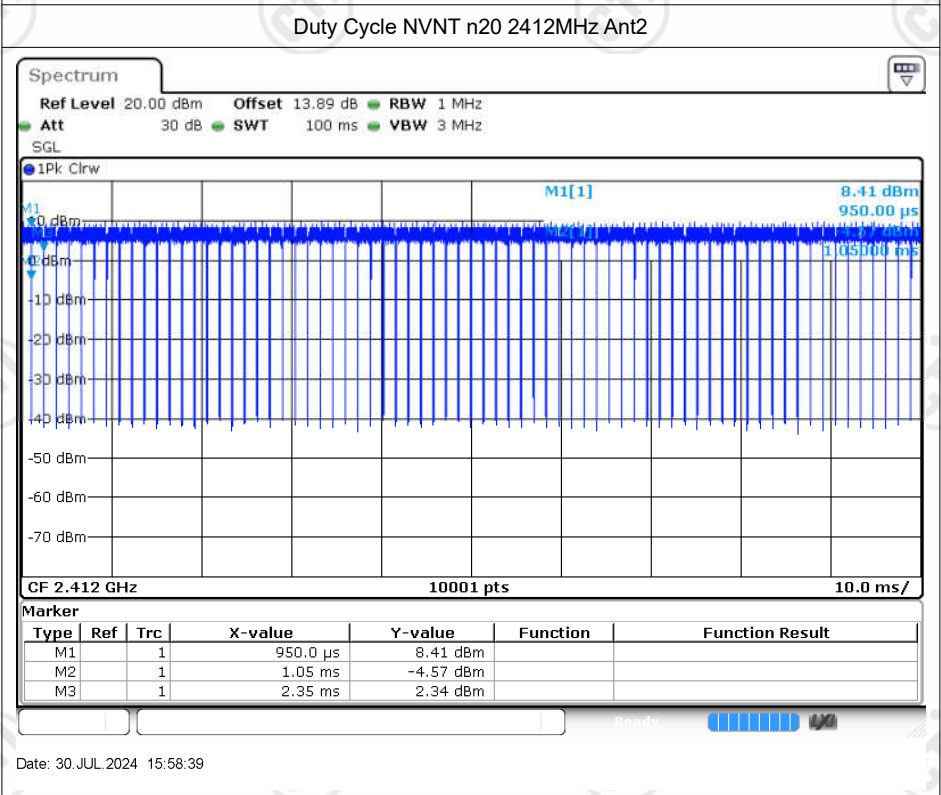
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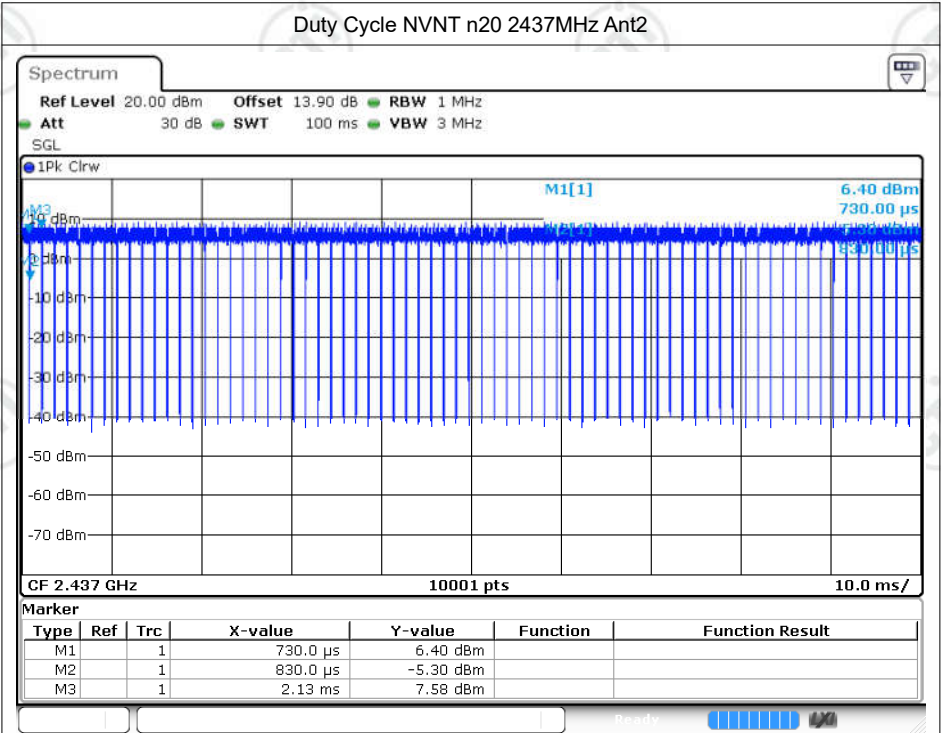
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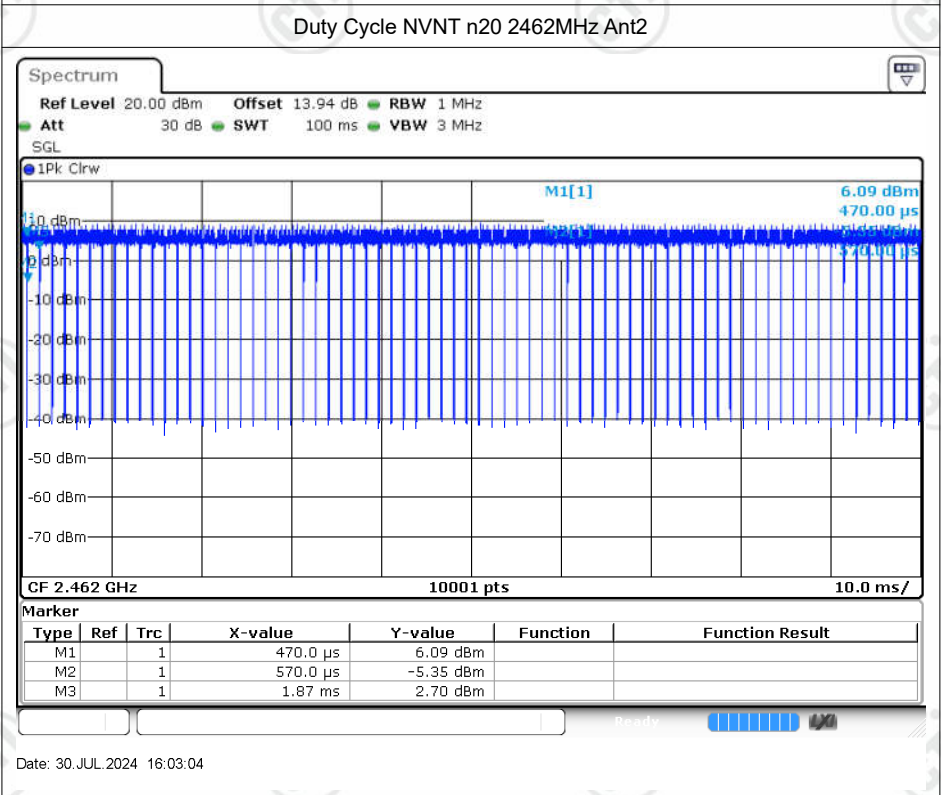
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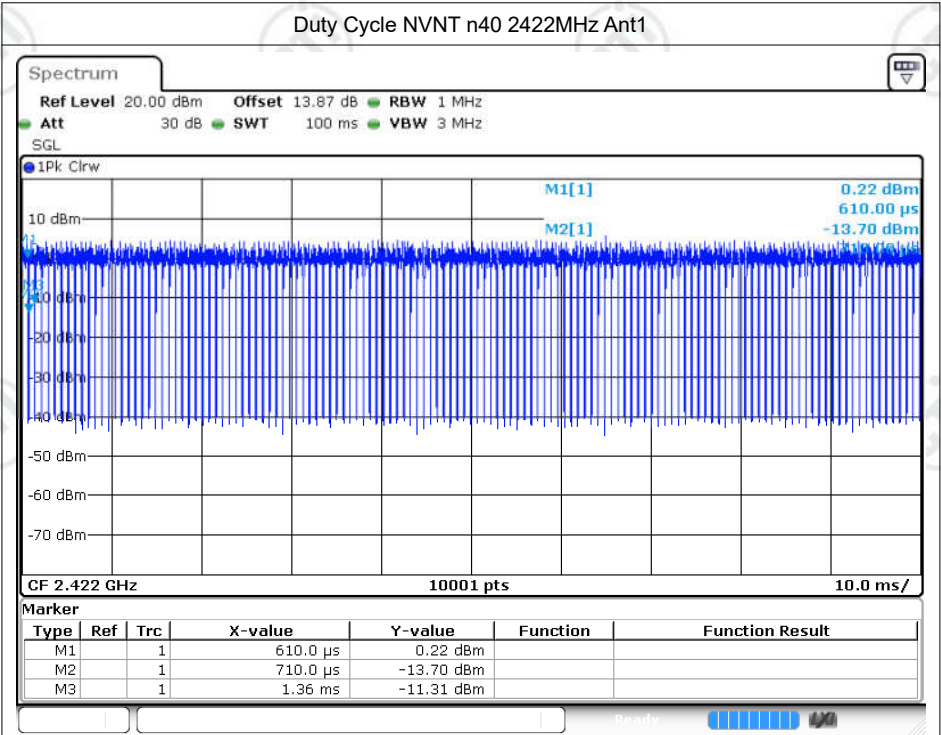


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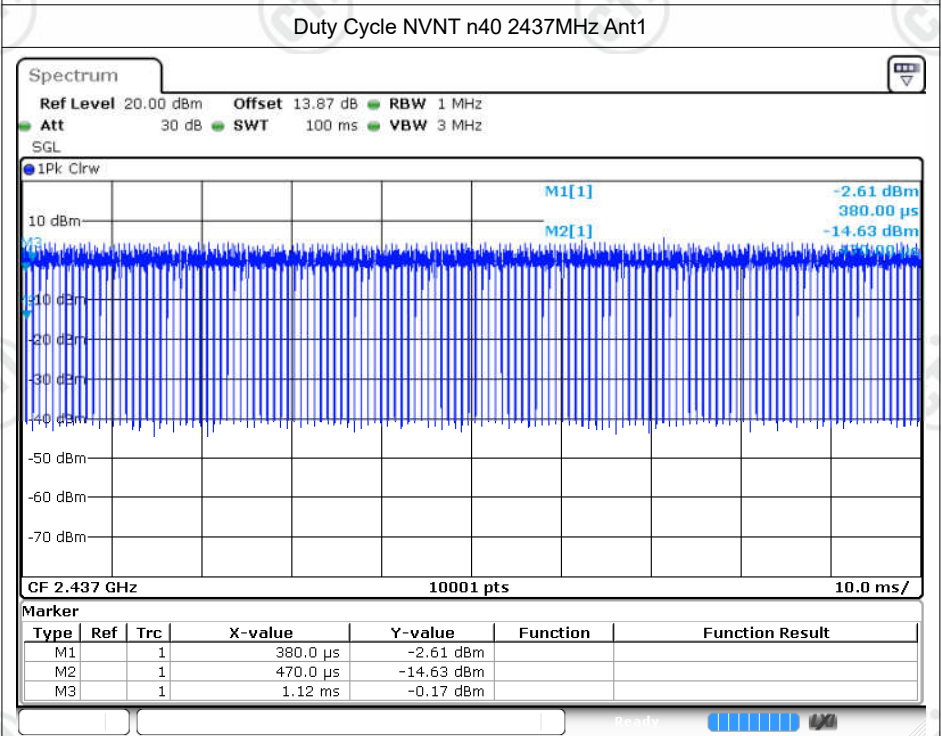


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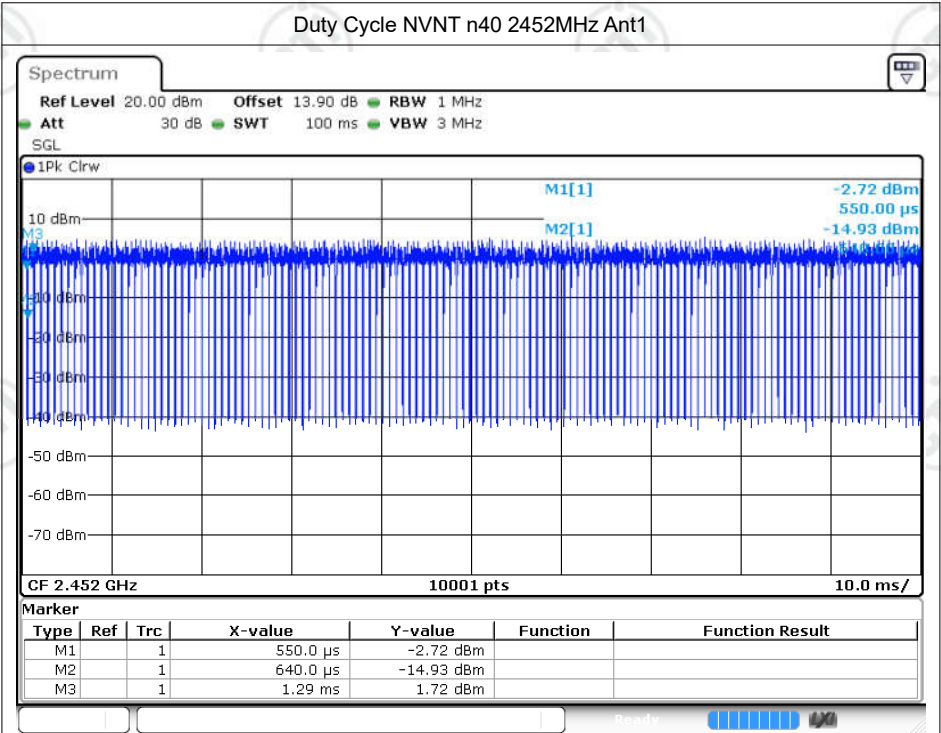




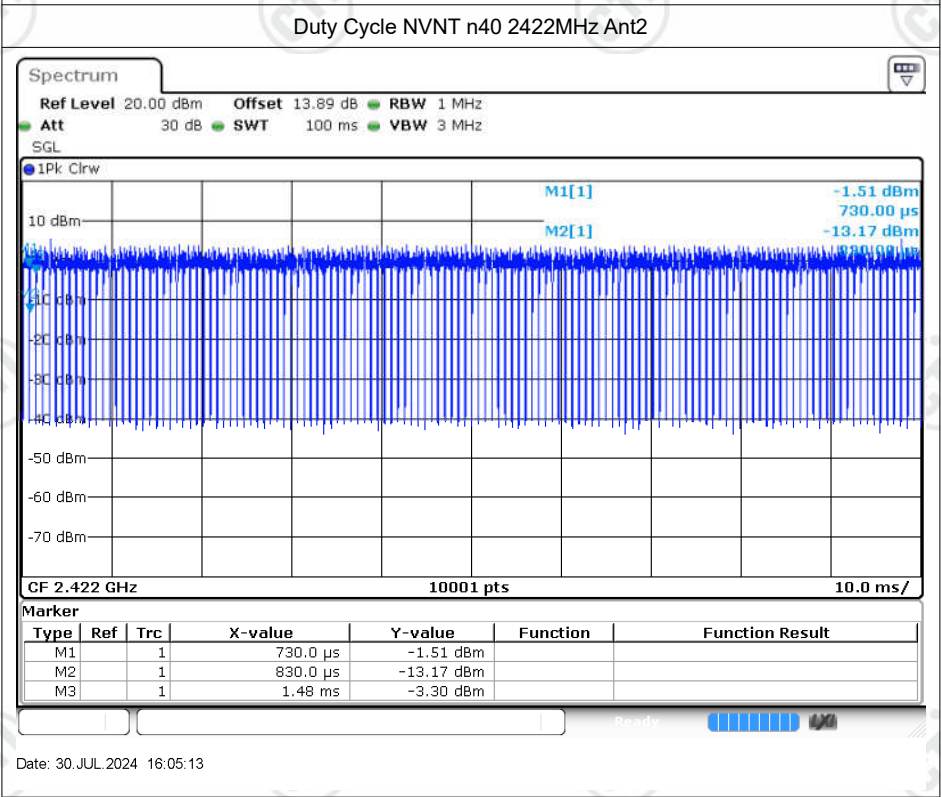
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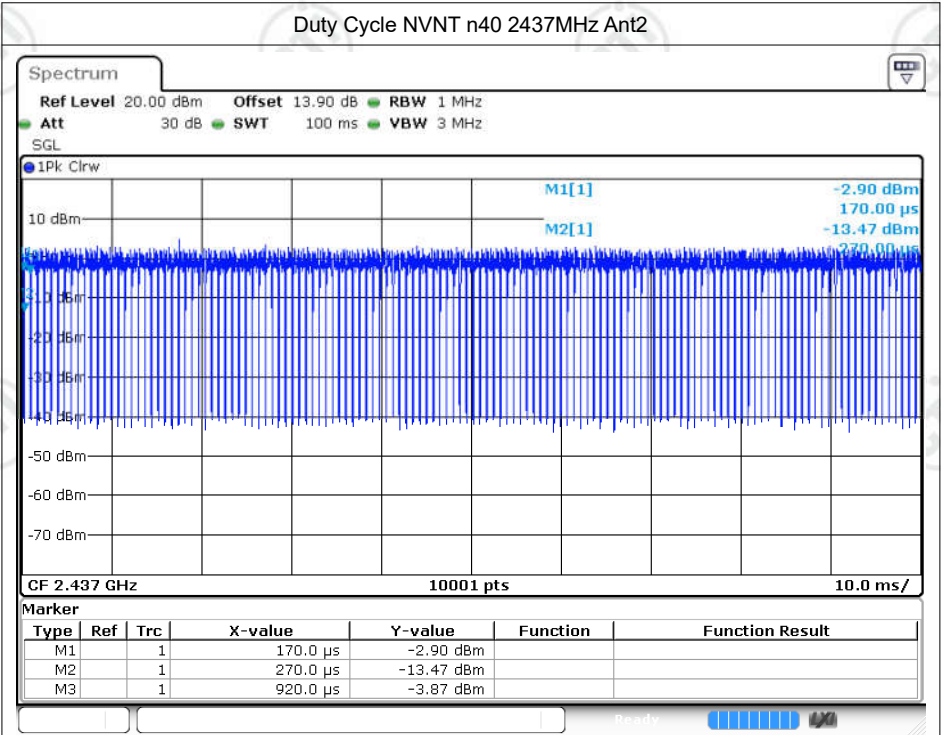


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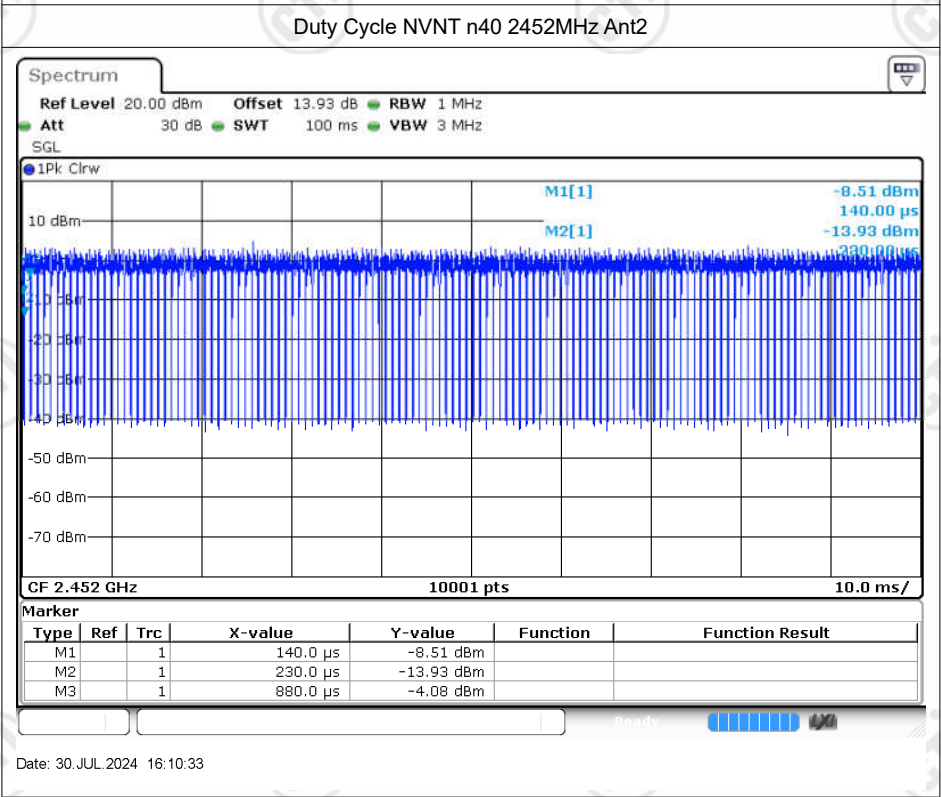


Date: 30 JUL 2024 16:05:13





Date: 30 JUL 2024 16:07:40



Date: 30 JUL 2024 16:10:33

## Maximum Peak Conducted Output Power

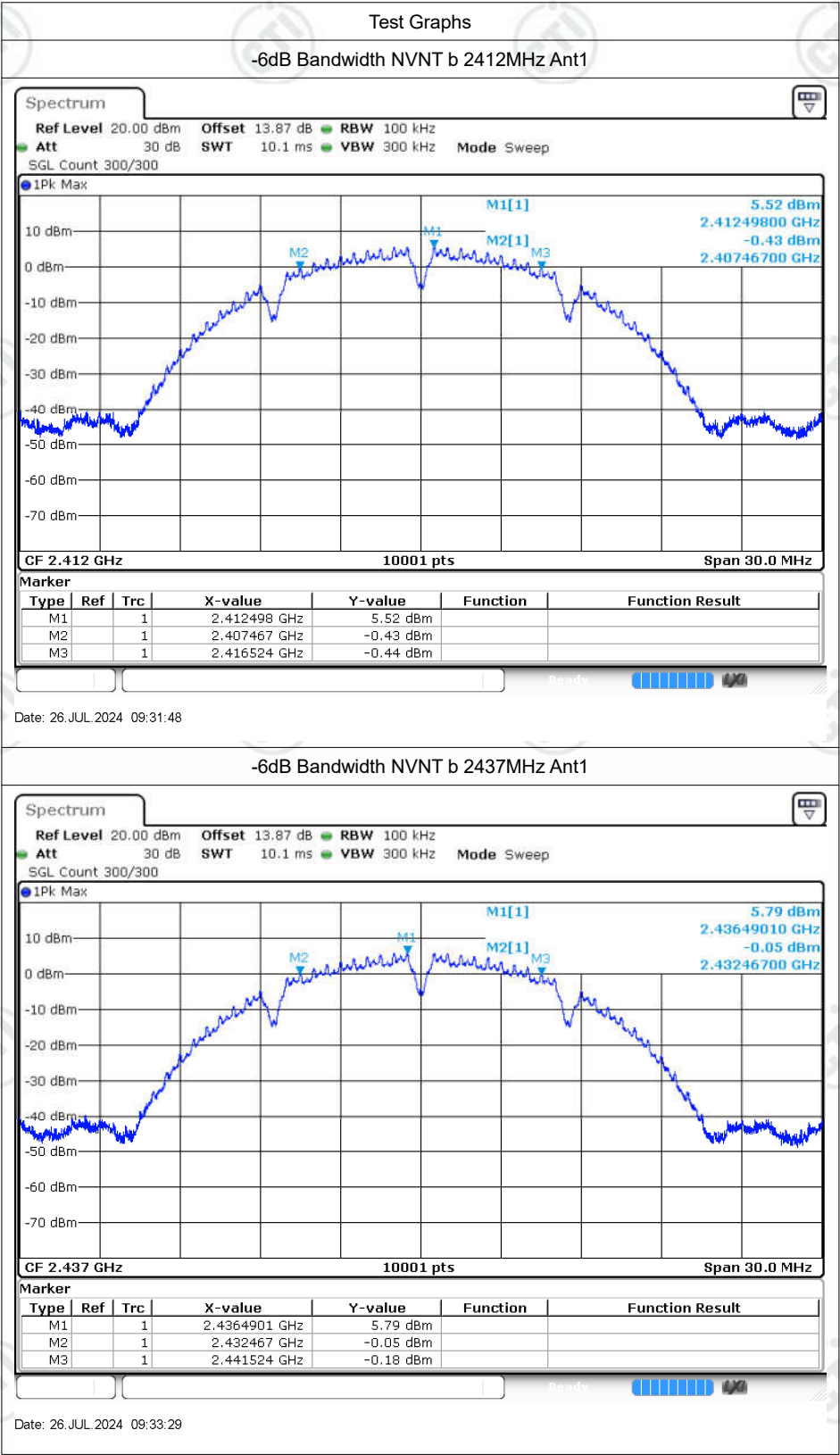
| Condition | Mode    | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | b       | 2412            | Ant1    | 15.37                 | 30          | Pass    |
| NVNT      | b       | 2437            | Ant1    | <b>15.63</b>          | 30          | Pass    |
| NVNT      | b       | 2462            | Ant1    | 15.21                 | 30          | Pass    |
| NVNT      | b       | 2412            | Ant2    | 14.58                 | 30          | Pass    |
| NVNT      | b       | 2437            | Ant2    | 14.48                 | 30          | Pass    |
| NVNT      | b       | 2462            | Ant2    | 14.32                 | 30          | Pass    |
| NVNT      | g       | 2412            | Ant1    | 14.69                 | 30          | Pass    |
| NVNT      | g       | 2437            | Ant1    | 14.91                 | 30          | Pass    |
| NVNT      | g       | 2462            | Ant1    | 14.40                 | 30          | Pass    |
| NVNT      | g       | 2412            | Ant2    | 13.04                 | 30          | Pass    |
| NVNT      | g       | 2437            | Ant2    | 12.55                 | 30          | Pass    |
| NVNT      | g       | 2462            | Ant2    | 12.52                 | 30          | Pass    |
| NVNT      | n20SISO | 2412            | Ant1    | 13.60                 | 30          | Pass    |
| NVNT      | n20SISO | 2437            | Ant1    | 13.93                 | 30          | Pass    |
| NVNT      | n20SISO | 2462            | Ant1    | 13.38                 | 30          | Pass    |
| NVNT      | n20SISO | 2412            | Ant2    | 12.86                 | 30          | Pass    |
| NVNT      | n20SISO | 2437            | Ant2    | 12.43                 | 30          | Pass    |
| NVNT      | n20SISO | 2462            | Ant2    | 12.38                 | 30          | Pass    |
| NVNT      | n20MIMO | 2412            | Ant1    | 5.57                  | 30          | Pass    |
| NVNT      | n20MIMO | 2412            | Ant2    | 4.44                  | 30          | Pass    |
| NVNT      | n20MIMO | 2412            | Sum     | 8.05                  | 30          | Pass    |
| NVNT      | n20MIMO | 2437            | Ant1    | 5.69                  | 30          | Pass    |
| NVNT      | n20MIMO | 2437            | Ant2    | 4.00                  | 30          | Pass    |
| NVNT      | n20MIMO | 2437            | Sum     | 7.94                  | 30          | Pass    |
| NVNT      | n20MIMO | 2462            | Ant1    | 5.06                  | 30          | Pass    |
| NVNT      | n20MIMO | 2462            | Ant2    | 4.14                  | 30          | Pass    |
| NVNT      | n20MIMO | 2462            | Sum     | 7.63                  | 30          | Pass    |
| NVNT      | n40SISO | 2422            | Ant1    | 14.00                 | 30          | Pass    |
| NVNT      | n40SISO | 2437            | Ant1    | 14.07                 | 30          | Pass    |
| NVNT      | n40SISO | 2452            | Ant1    | 14.08                 | 30          | Pass    |
| NVNT      | n40SISO | 2422            | Ant2    | 12.90                 | 30          | Pass    |
| NVNT      | n40SISO | 2437            | Ant2    | 12.55                 | 30          | Pass    |
| NVNT      | n40SISO | 2452            | Ant2    | 12.57                 | 30          | Pass    |
| NVNT      | n40MIMO | 2422            | Ant1    | 5.86                  | 30          | Pass    |
| NVNT      | n40MIMO | 2422            | Ant2    | 4.50                  | 30          | Pass    |
| NVNT      | n40MIMO | 2422            | Sum     | 8.24                  | 30          | Pass    |
| NVNT      | n40MIMO | 2437            | Ant1    | 5.84                  | 30          | Pass    |
| NVNT      | n40MIMO | 2437            | Ant2    | 3.79                  | 30          | Pass    |

|      |         |      |      |      |    |      |
|------|---------|------|------|------|----|------|
| NVNT | n40MIMO | 2437 | Sum  | 7.95 | 30 | Pass |
| NVNT | n40MIMO | 2452 | Ant1 | 5.77 | 30 | Pass |
| NVNT | n40MIMO | 2452 | Ant2 | 3.98 | 30 | Pass |
| NVNT | n40MIMO | 2452 | Sum  | 7.98 | 30 | Pass |

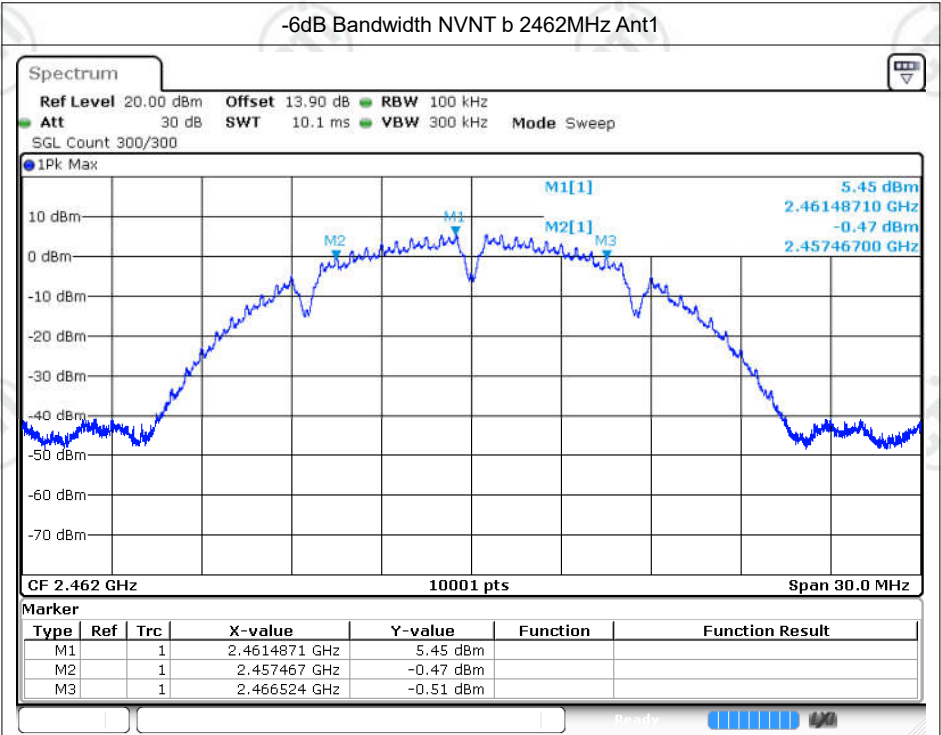
Note: The result of Conducted Power has been added Duty Cycle Correction Factor;

## -6dB Bandwidth

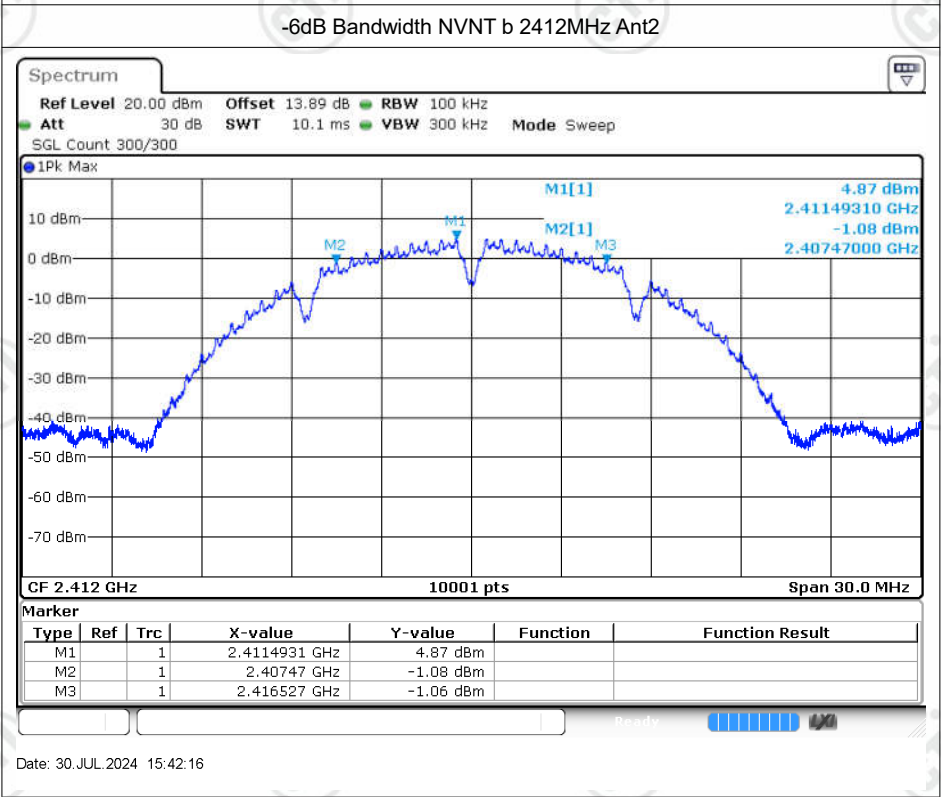
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 9.057                 | 0.5                         | Pass    |
| NVNT      | b    | 2437            | Ant1    | 9.057                 | 0.5                         | Pass    |
| NVNT      | b    | 2462            | Ant1    | 9.057                 | 0.5                         | Pass    |
| NVNT      | b    | 2412            | Ant2    | 9.057                 | 0.5                         | Pass    |
| NVNT      | b    | 2437            | Ant2    | 8.067                 | 0.5                         | Pass    |
| NVNT      | b    | 2462            | Ant2    | 9.06                  | 0.5                         | Pass    |
| NVNT      | g    | 2412            | Ant1    | 15.072                | 0.5                         | Pass    |
| NVNT      | g    | 2437            | Ant1    | 15.111                | 0.5                         | Pass    |
| NVNT      | g    | 2462            | Ant1    | 15.105                | 0.5                         | Pass    |
| NVNT      | g    | 2412            | Ant2    | 15.078                | 0.5                         | Pass    |
| NVNT      | g    | 2437            | Ant2    | 15.117                | 0.5                         | Pass    |
| NVNT      | g    | 2462            | Ant2    | 15.078                | 0.5                         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 15.117                | 0.5                         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 15.066                | 0.5                         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 15.099                | 0.5                         | Pass    |
| NVNT      | n20  | 2412            | Ant2    | 15.108                | 0.5                         | Pass    |
| NVNT      | n20  | 2437            | Ant2    | 15.105                | 0.5                         | Pass    |
| NVNT      | n20  | 2462            | Ant2    | 15.084                | 0.5                         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 34.998                | 0.5                         | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 35.07                 | 0.5                         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 35.088                | 0.5                         | Pass    |
| NVNT      | n40  | 2422            | Ant2    | 35.112                | 0.5                         | Pass    |
| NVNT      | n40  | 2437            | Ant2    | 35.106                | 0.5                         | Pass    |
| NVNT      | n40  | 2452            | Ant2    | 35.106                | 0.5                         | Pass    |



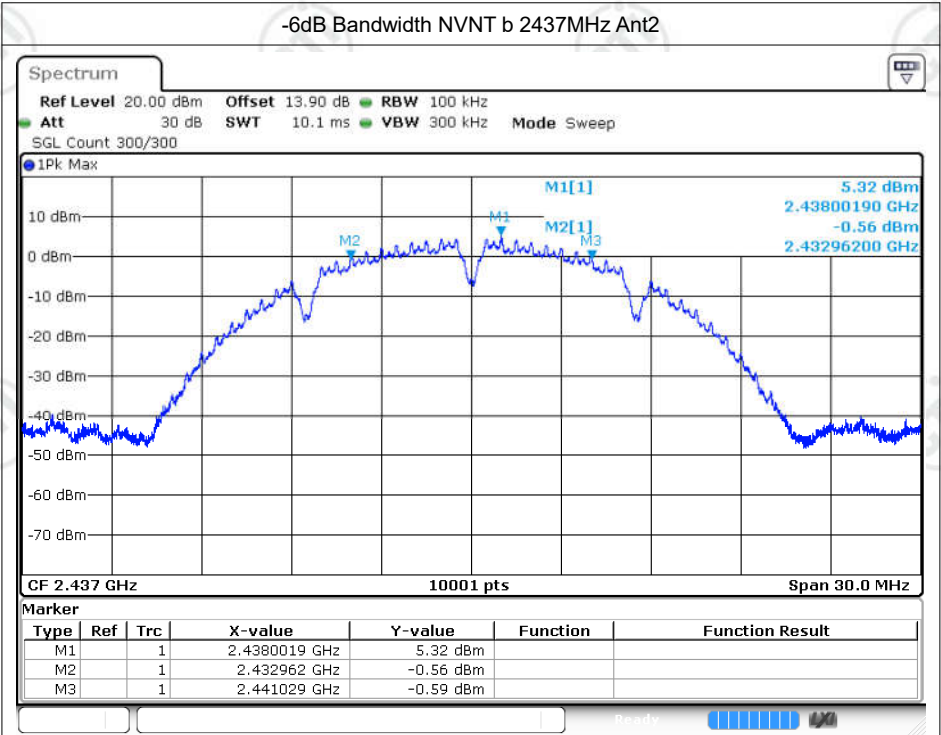




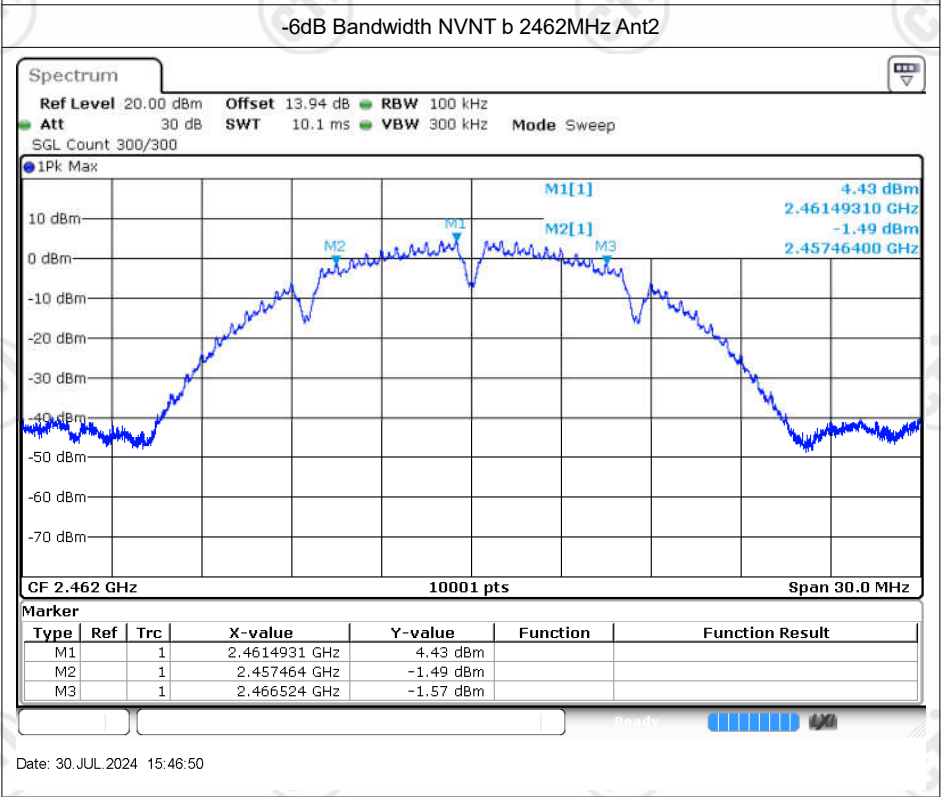
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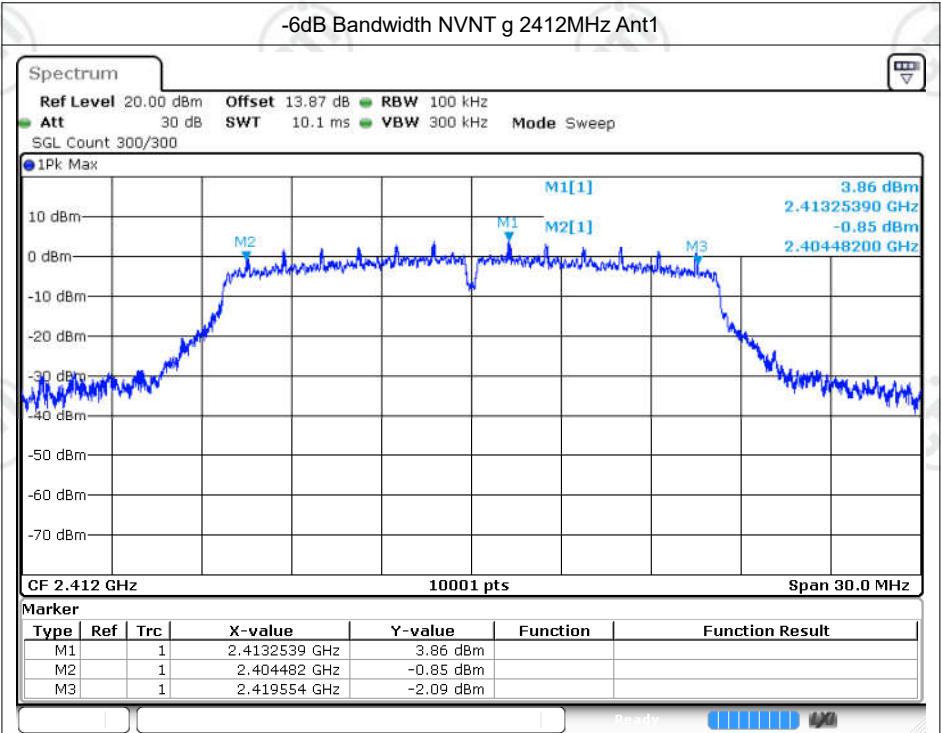
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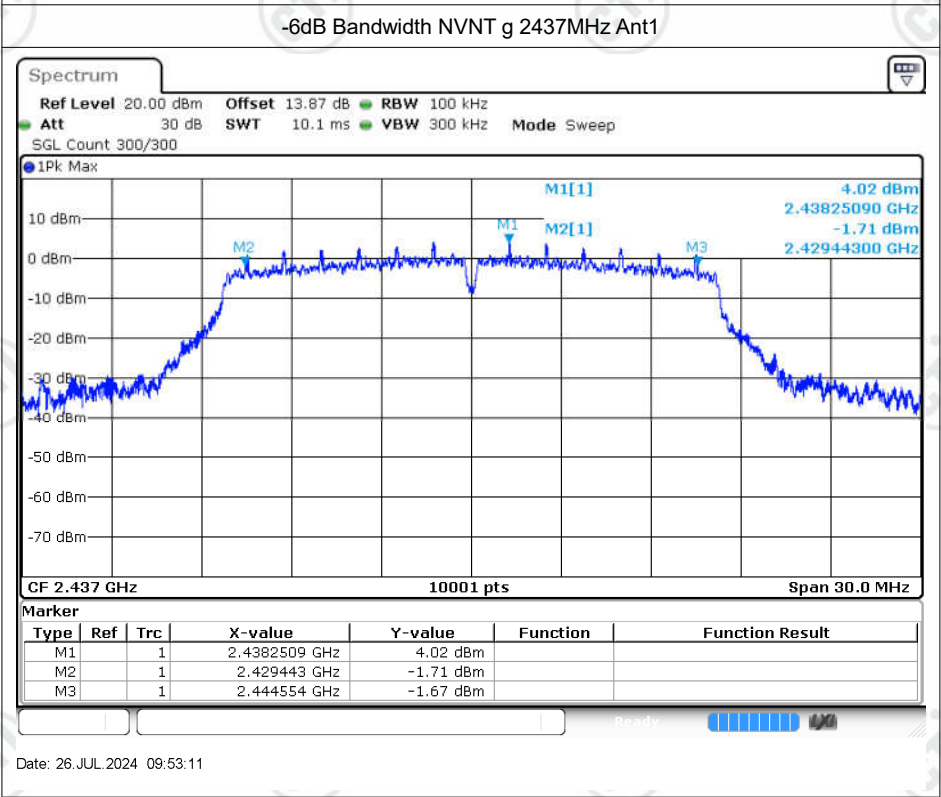
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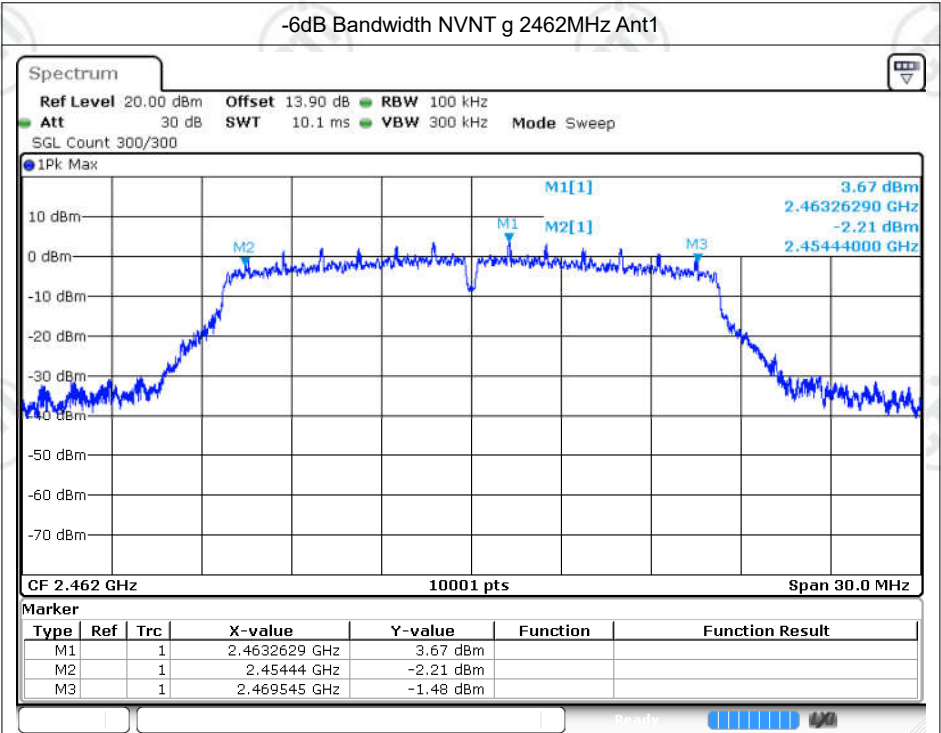
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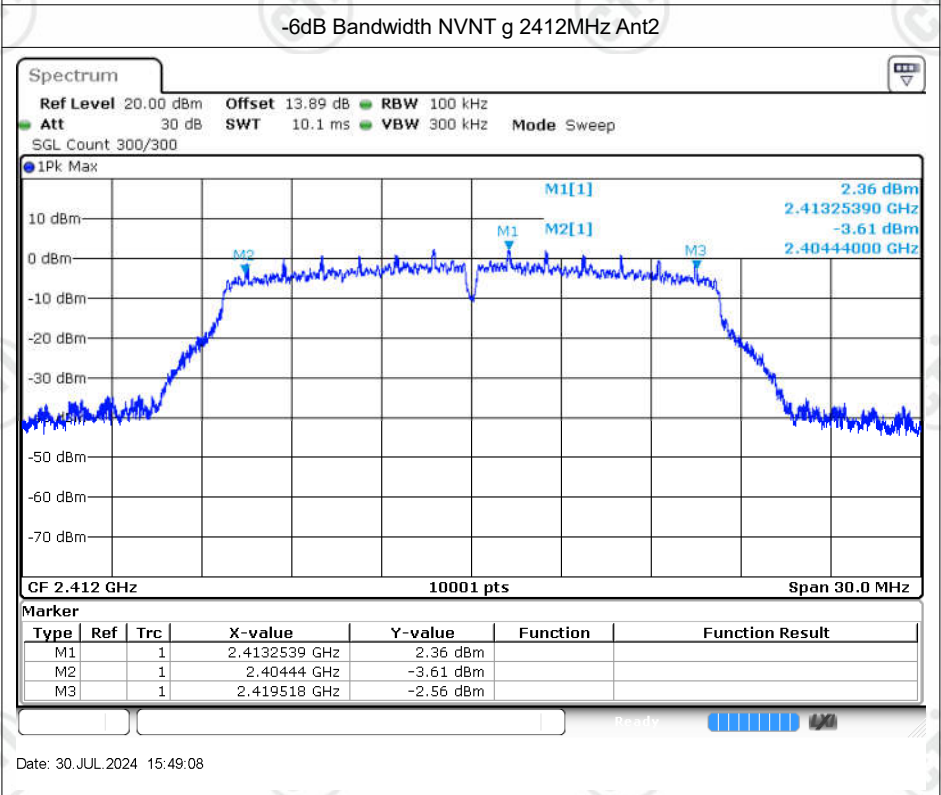
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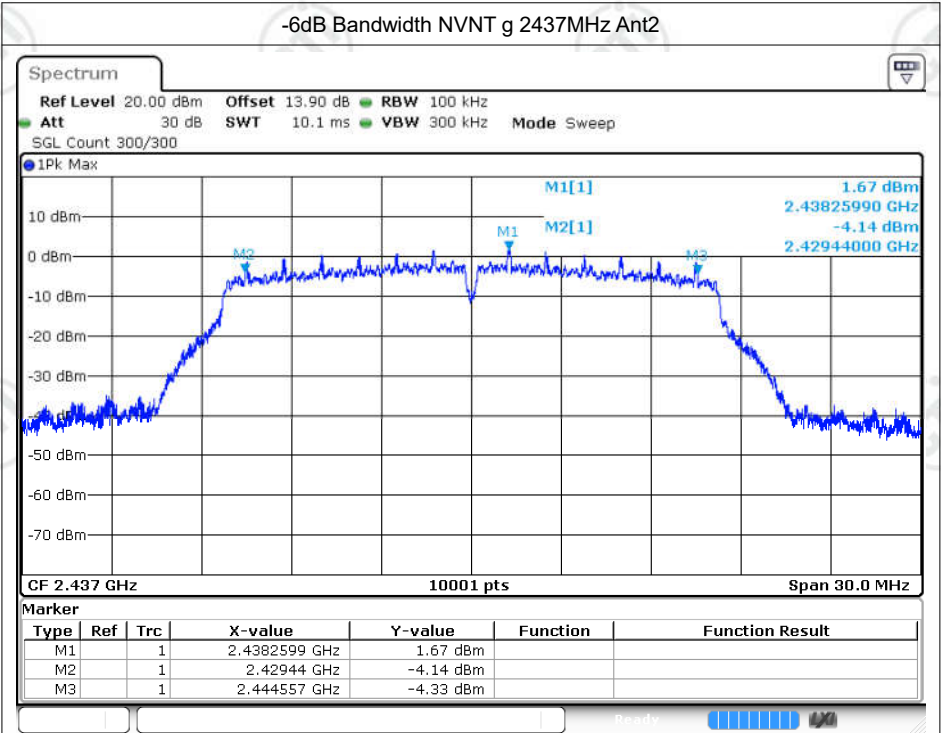
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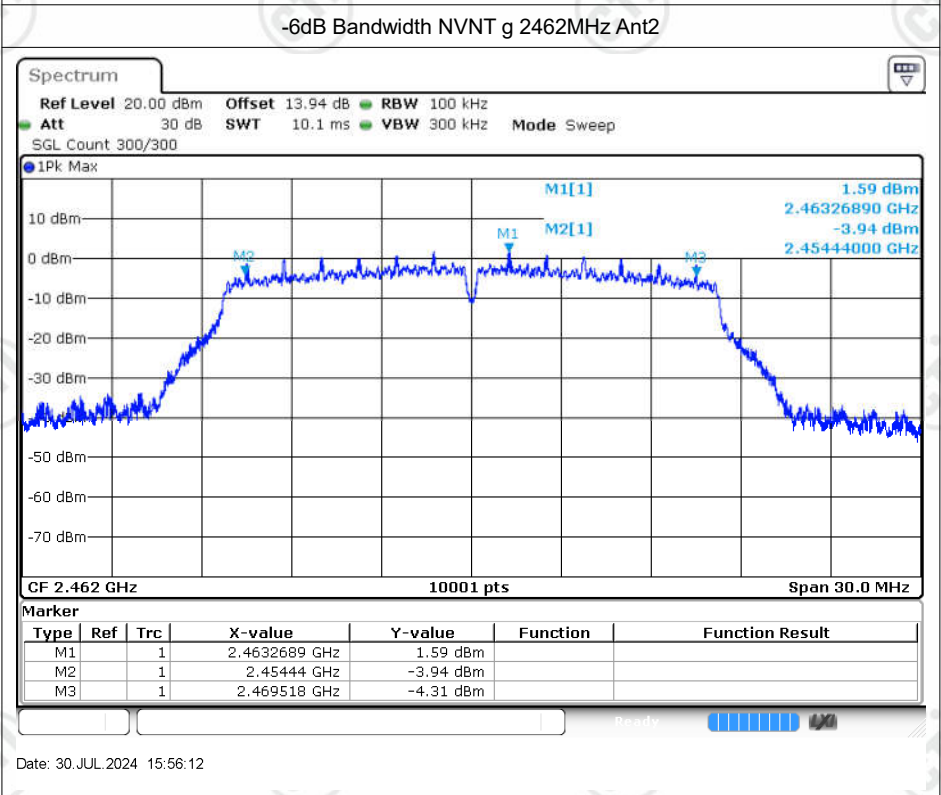
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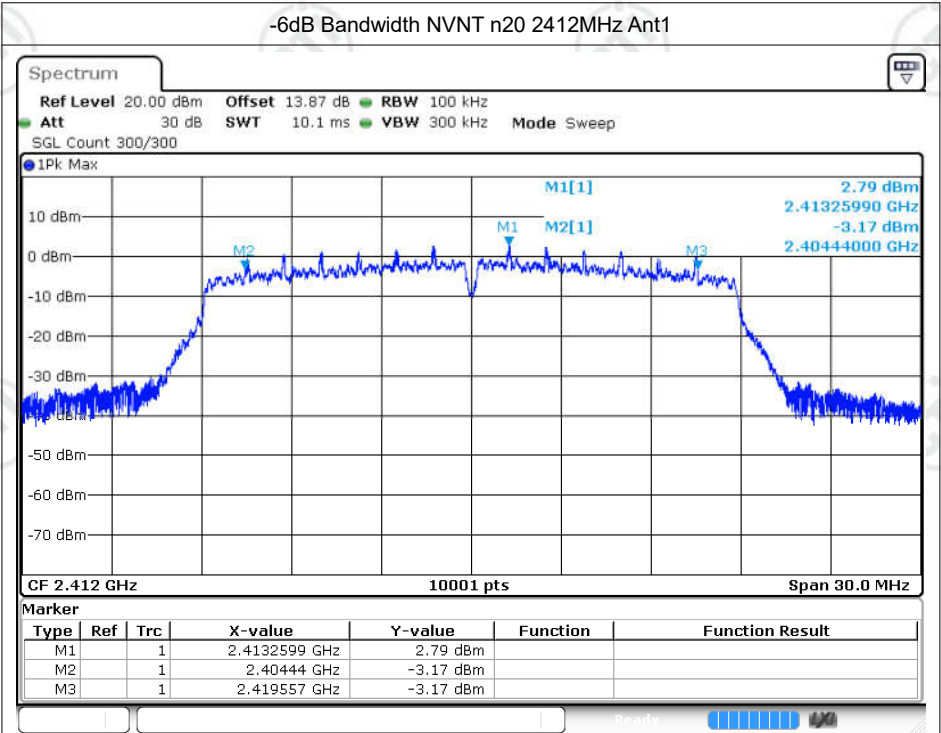


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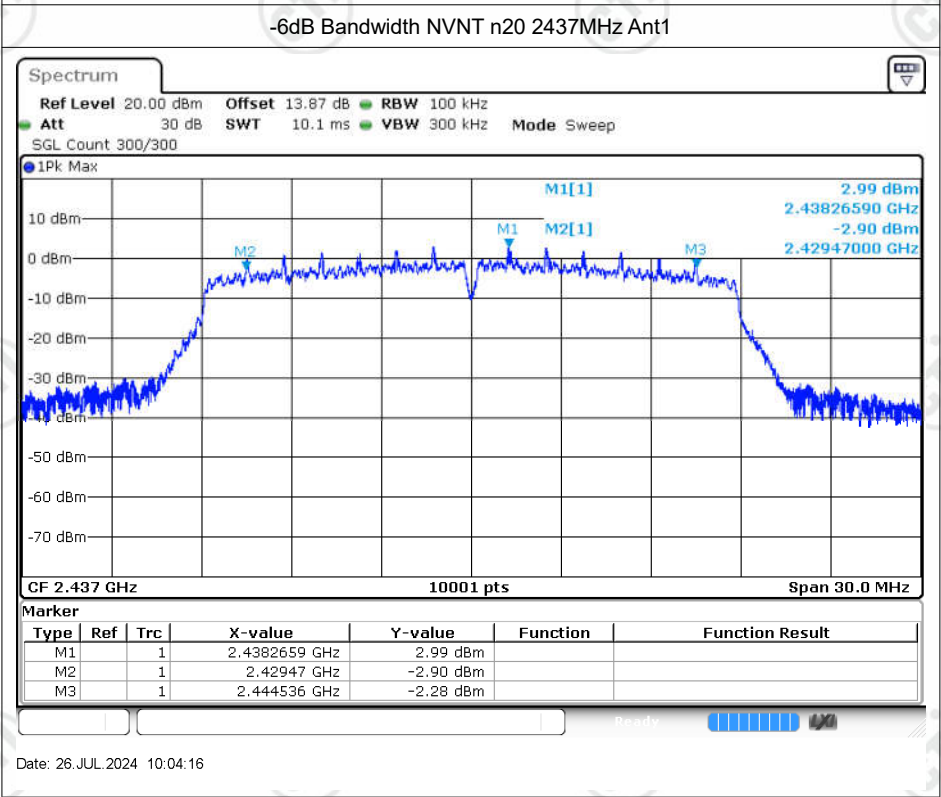


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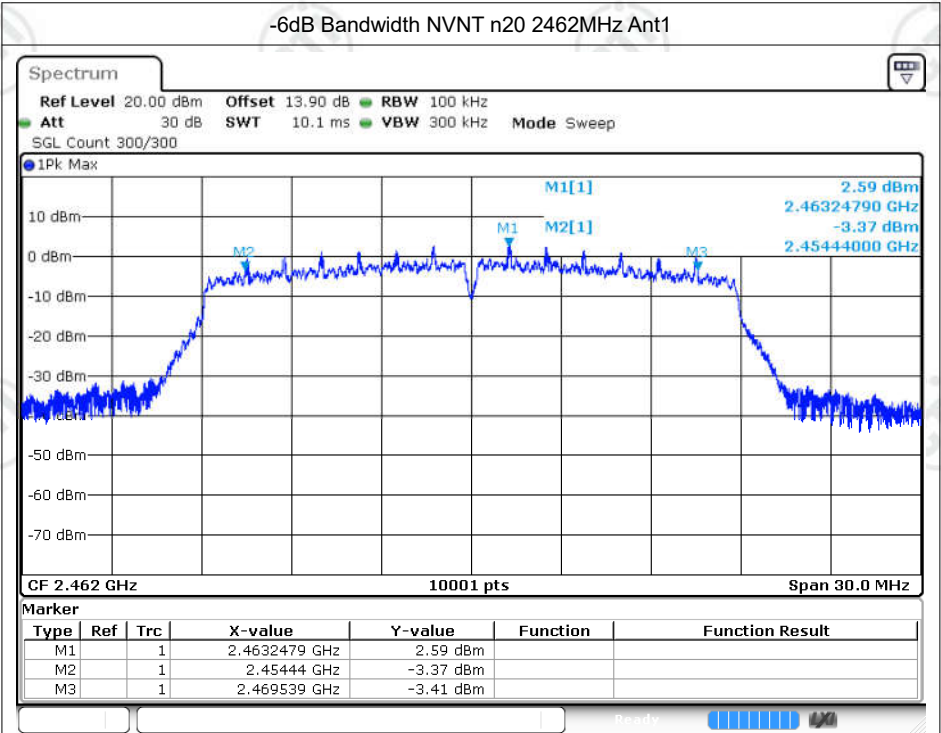




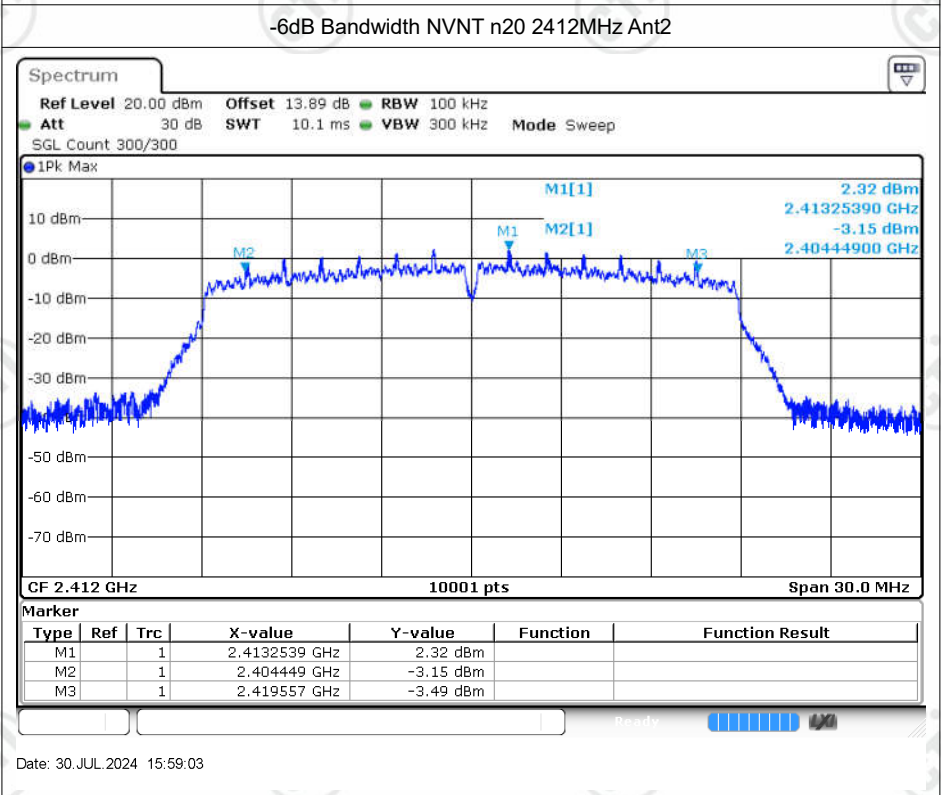
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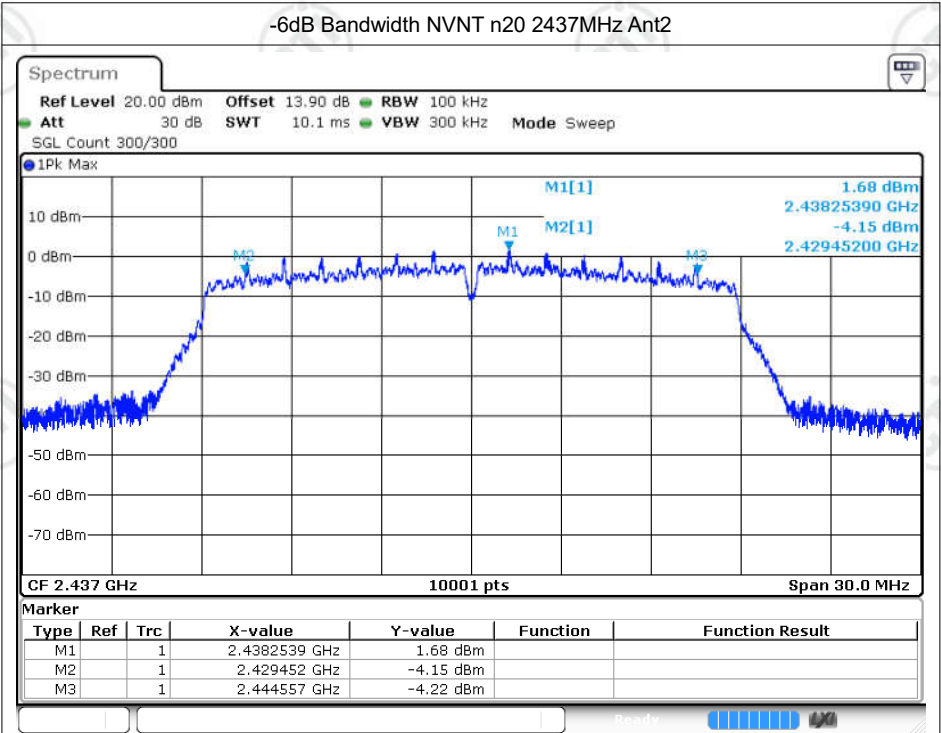
Date: 26 JUL 2024 10:04:16



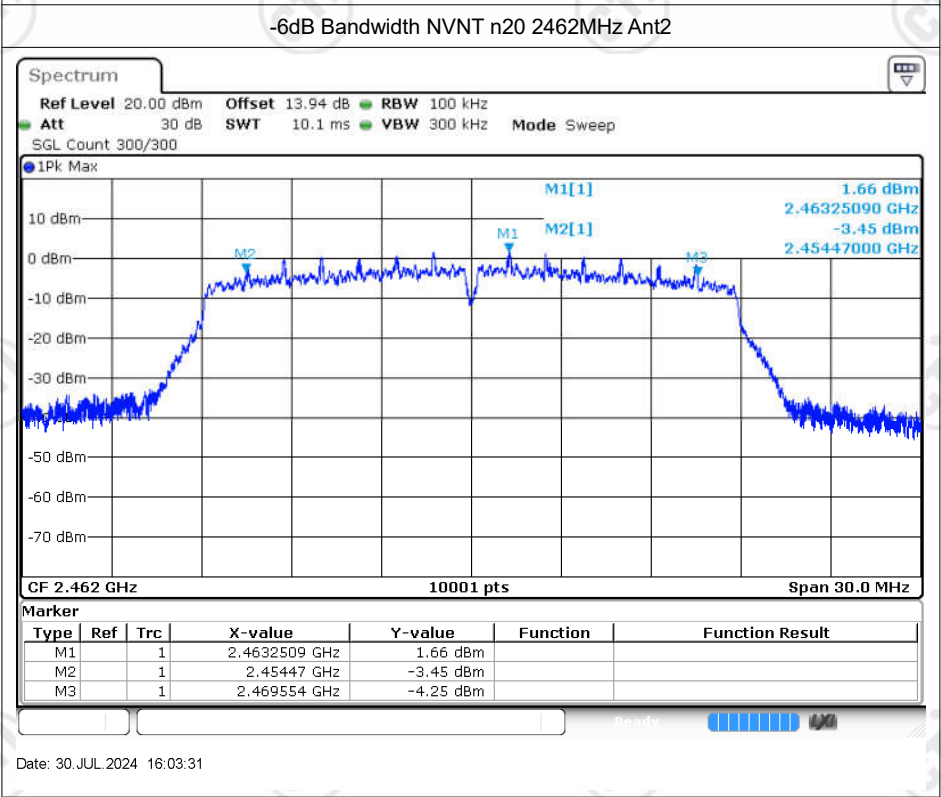
Date: 26 JUL 2024 10:07:52



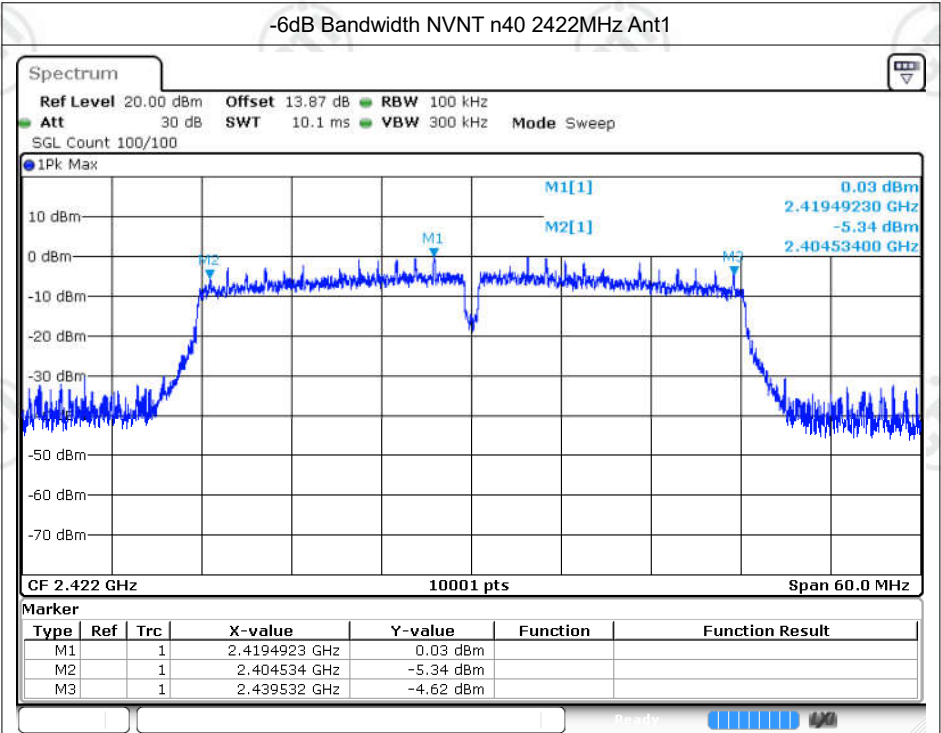
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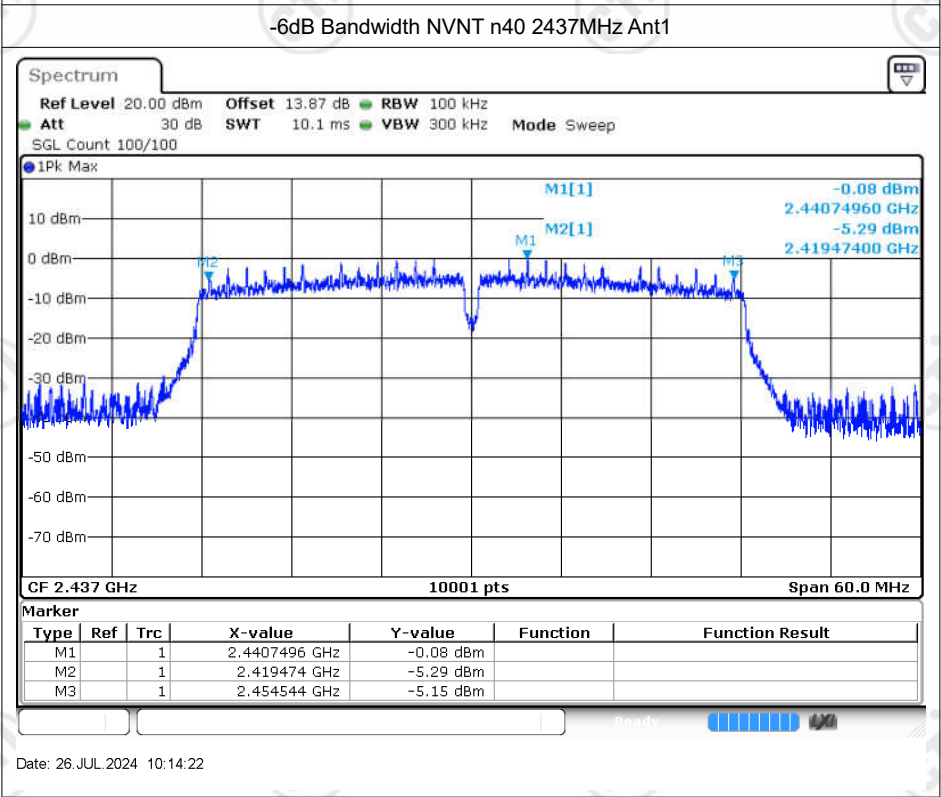
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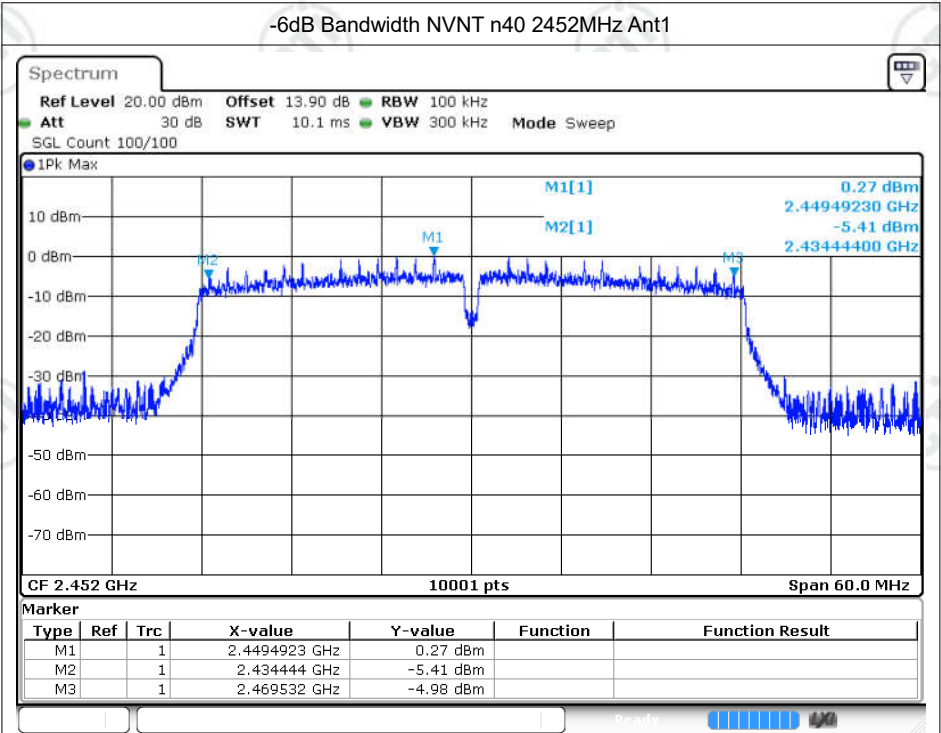
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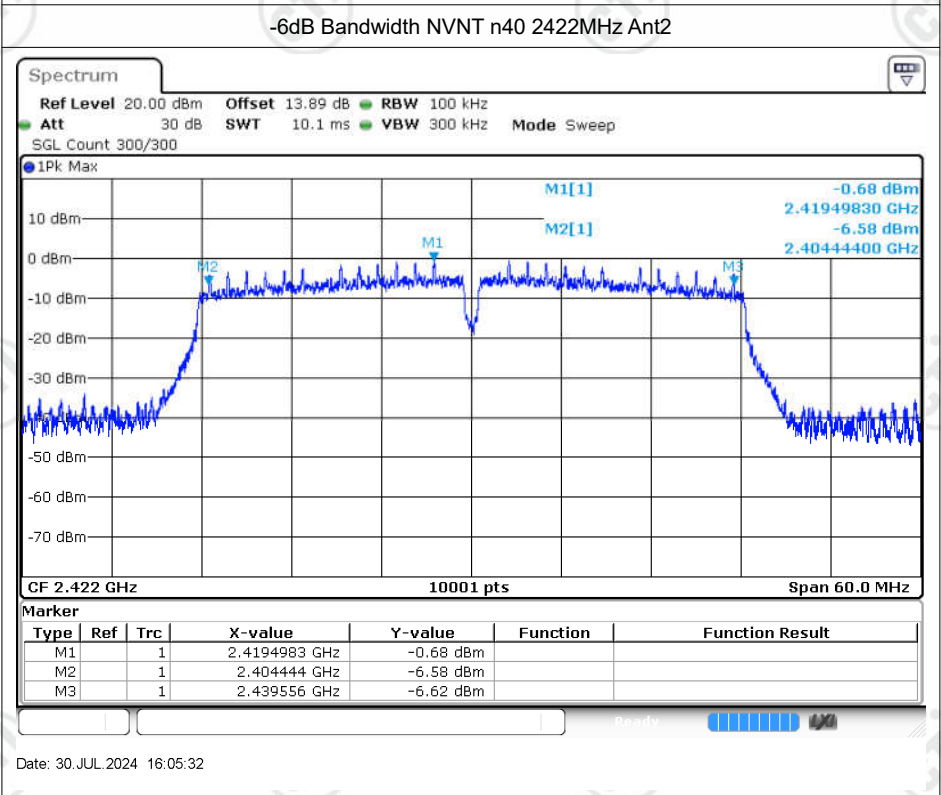
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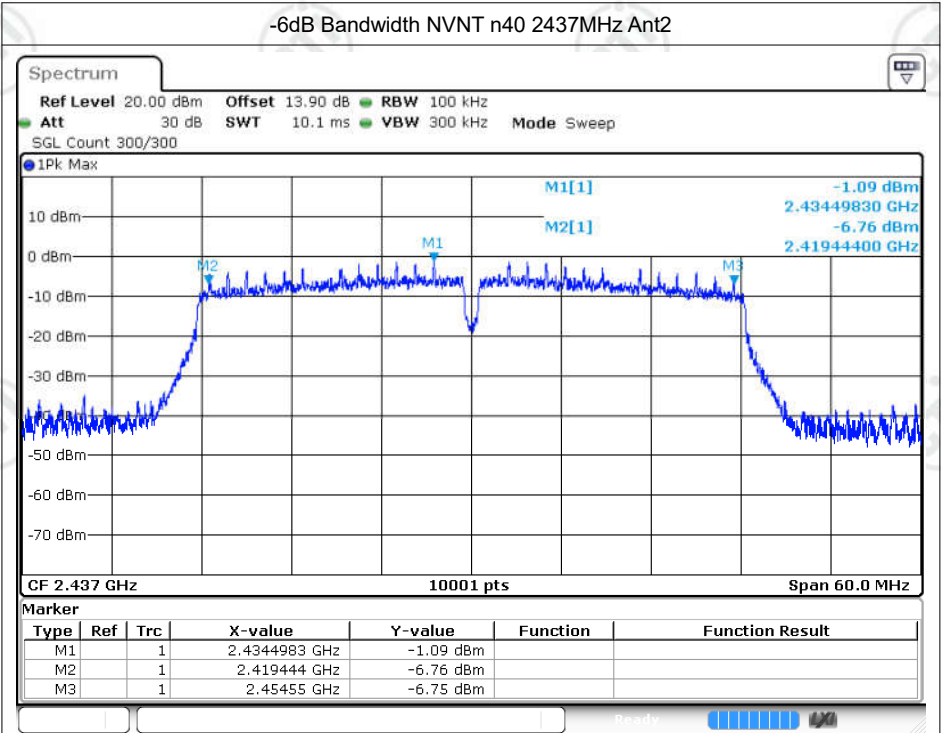


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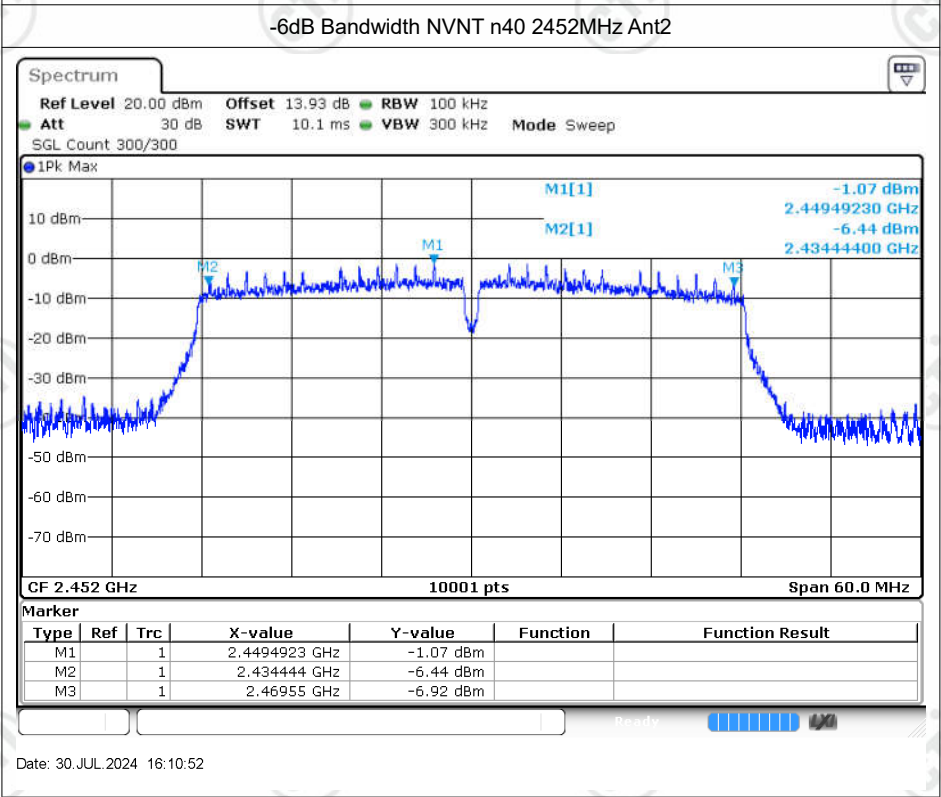


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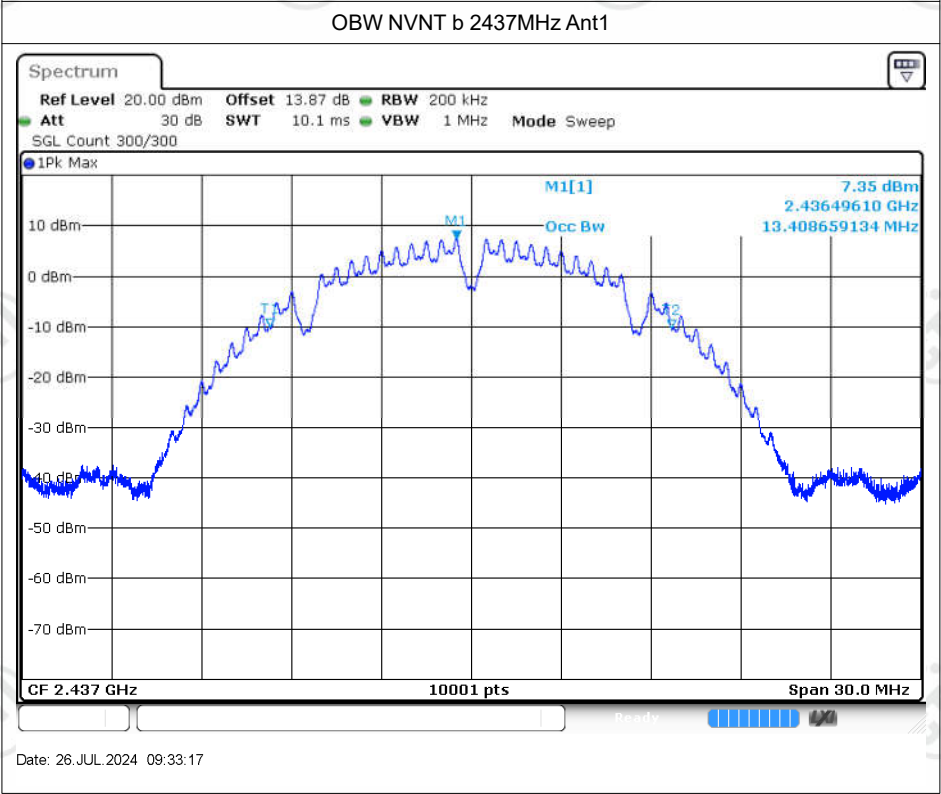
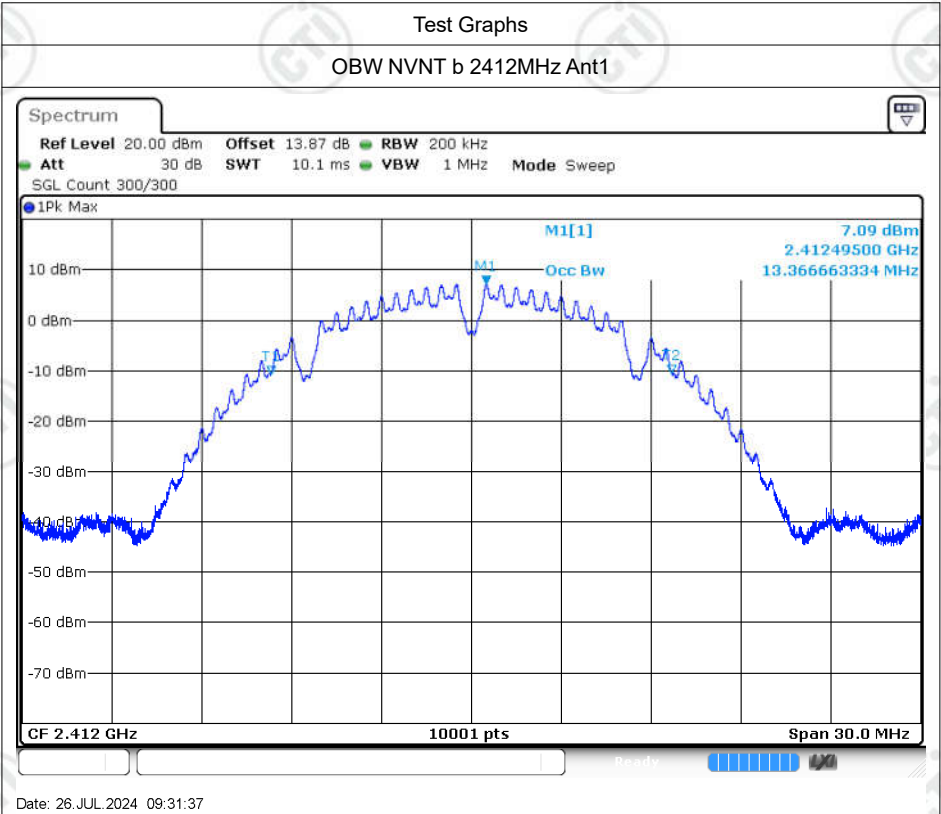
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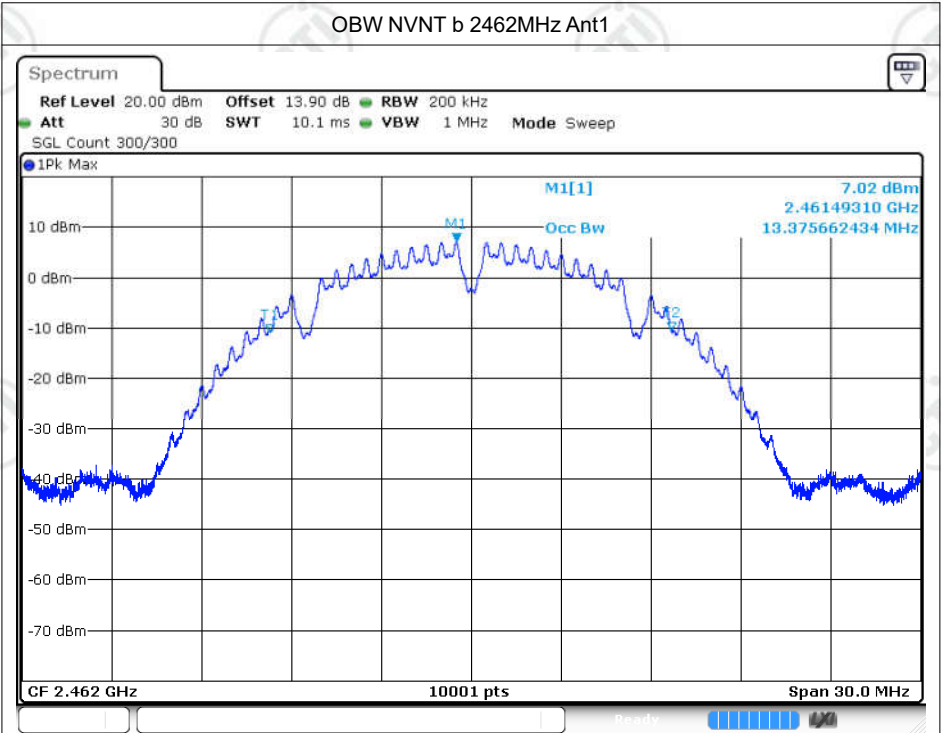


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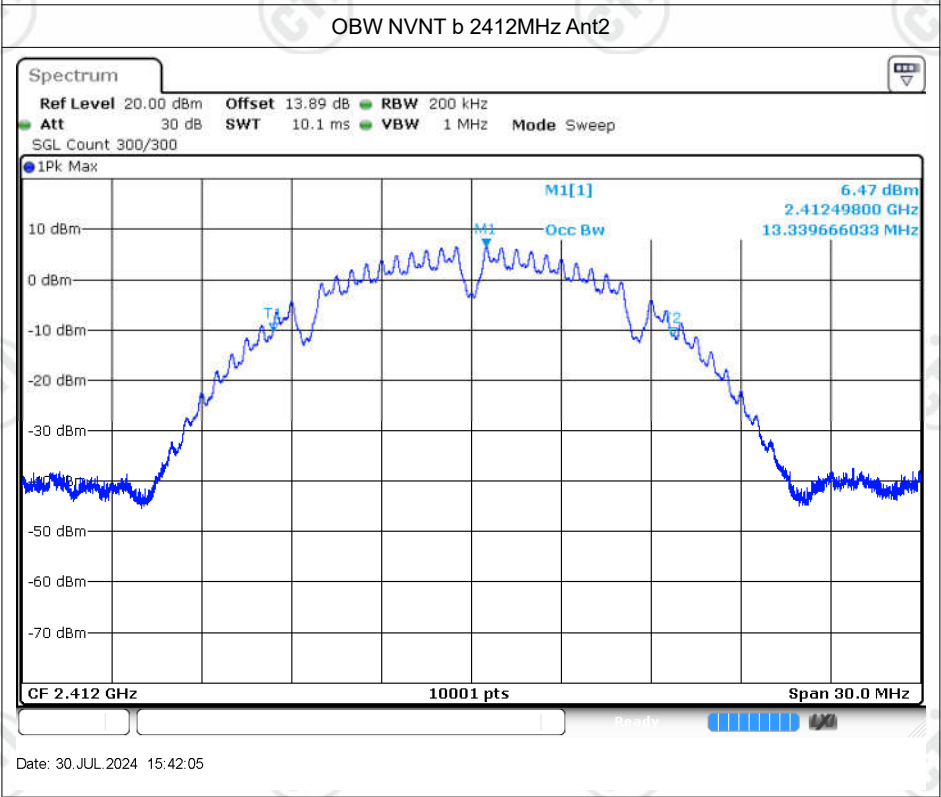
## Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | b    | 2412            | Ant1    | 13.367        |
| NVNT      | b    | 2437            | Ant1    | 13.409        |
| NVNT      | b    | 2462            | Ant1    | 13.376        |
| NVNT      | b    | 2412            | Ant2    | 13.34         |
| NVNT      | b    | 2437            | Ant2    | 13.34         |
| NVNT      | b    | 2462            | Ant2    | 13.394        |
| NVNT      | g    | 2412            | Ant1    | 16.501        |
| NVNT      | g    | 2437            | Ant1    | 16.495        |
| NVNT      | g    | 2462            | Ant1    | 16.483        |
| NVNT      | g    | 2412            | Ant2    | 16.474        |
| NVNT      | g    | 2437            | Ant2    | 16.474        |
| NVNT      | g    | 2462            | Ant2    | 16.474        |
| NVNT      | n20  | 2412            | Ant1    | 17.542        |
| NVNT      | n20  | 2437            | Ant1    | 17.542        |
| NVNT      | n20  | 2462            | Ant1    | 17.539        |
| NVNT      | n20  | 2412            | Ant2    | 17.533        |
| NVNT      | n20  | 2437            | Ant2    | 17.53         |
| NVNT      | n20  | 2462            | Ant2    | 17.536        |
| NVNT      | n40  | 2422            | Ant1    | 36.134        |
| NVNT      | n40  | 2437            | Ant1    | 36.122        |
| NVNT      | n40  | 2452            | Ant1    | 36.146        |
| NVNT      | n40  | 2422            | Ant2    | 36.122        |
| NVNT      | n40  | 2437            | Ant2    | 36.146        |
| NVNT      | n40  | 2452            | Ant2    | 36.158        |

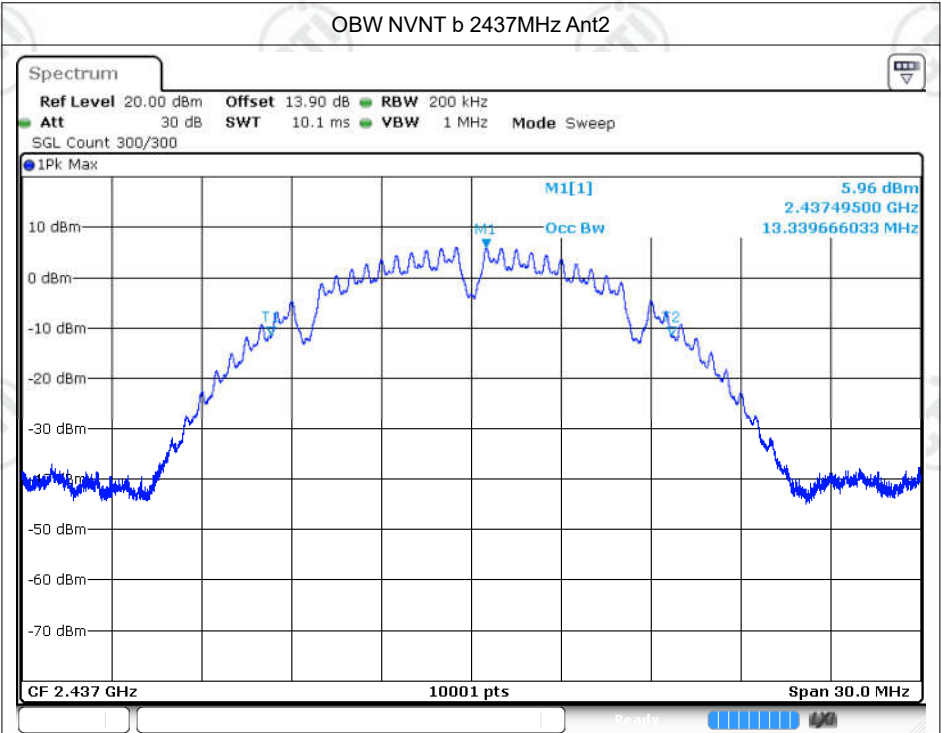




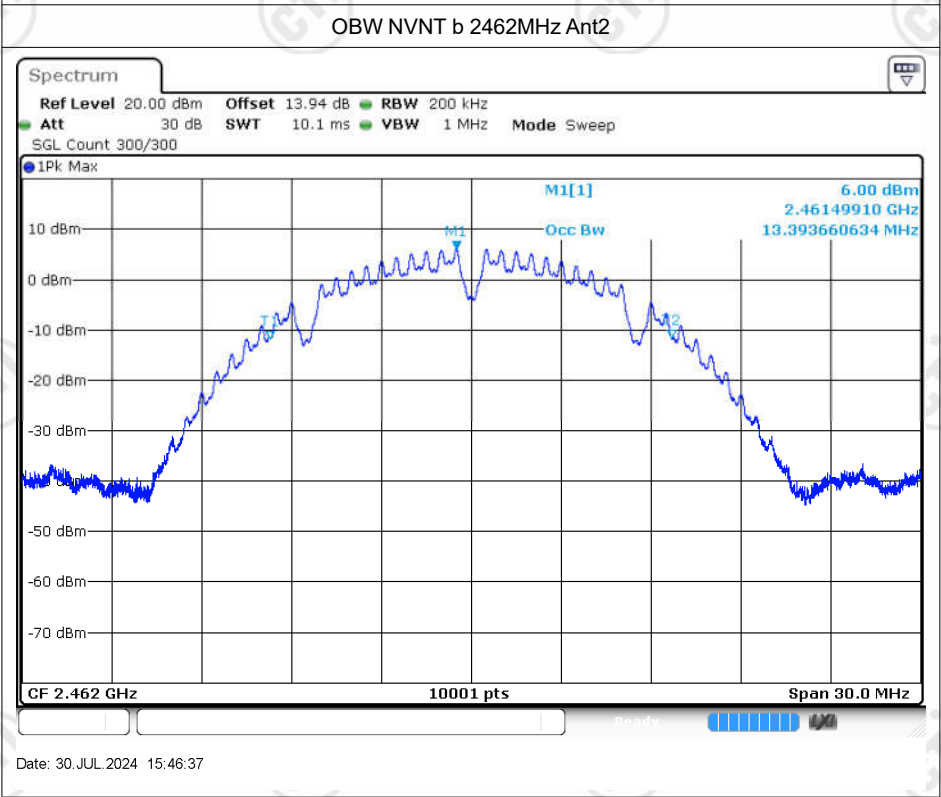
Date: 26 JUL 2024 09:35:02



Date: 30 JUL 2024 15:42:05

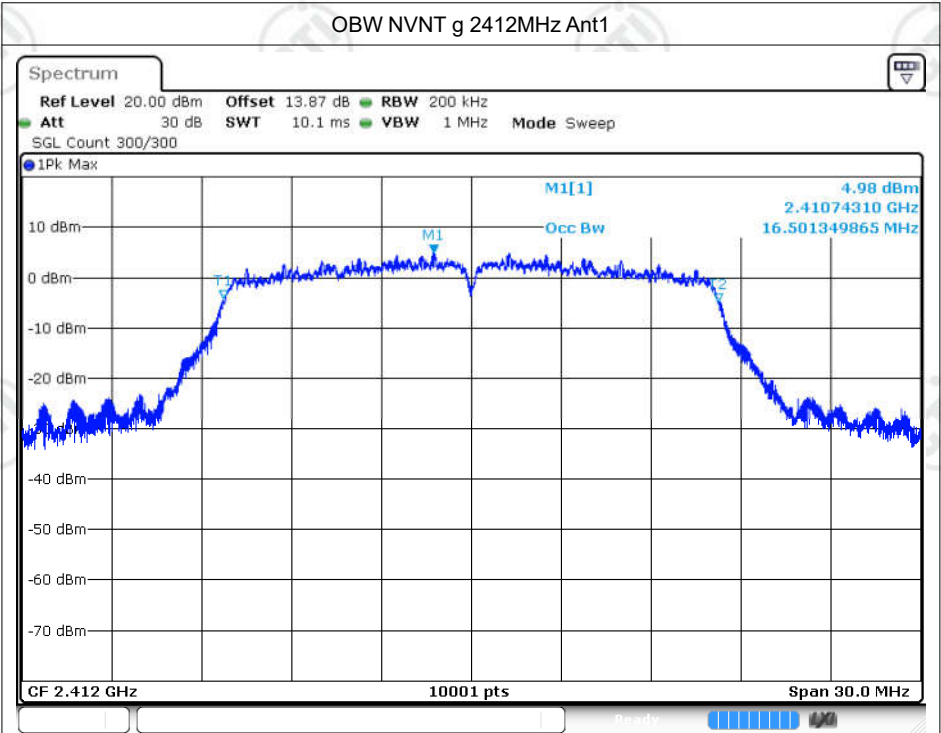


Date: 30 JUL 2024 15:44:00

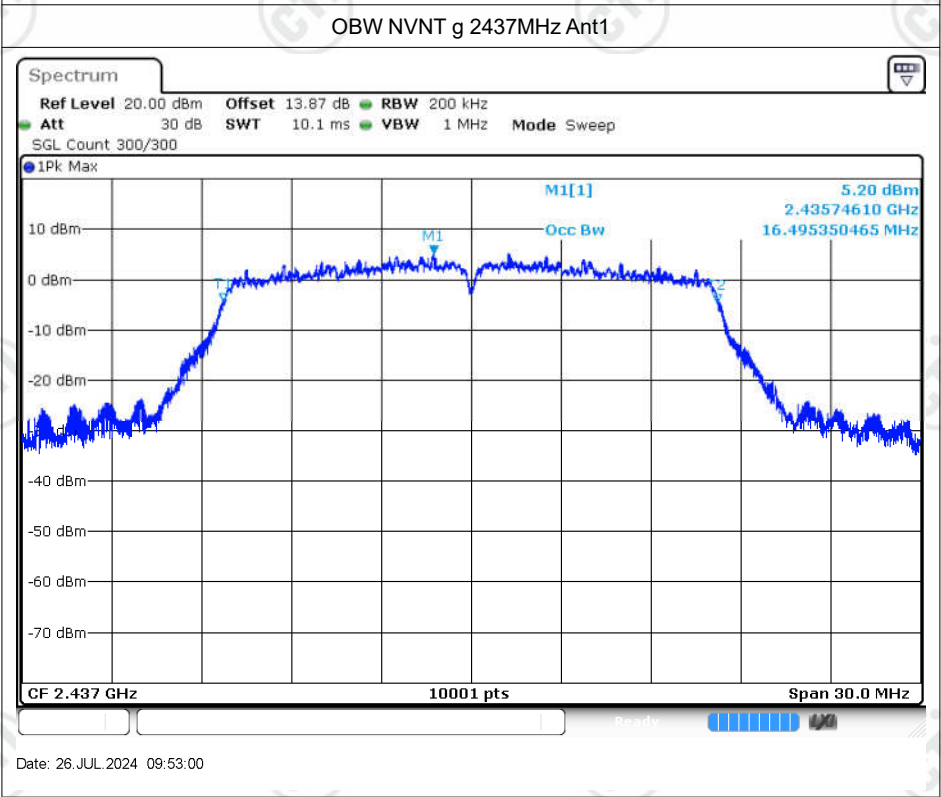


Date: 30 JUL 2024 15:46:37

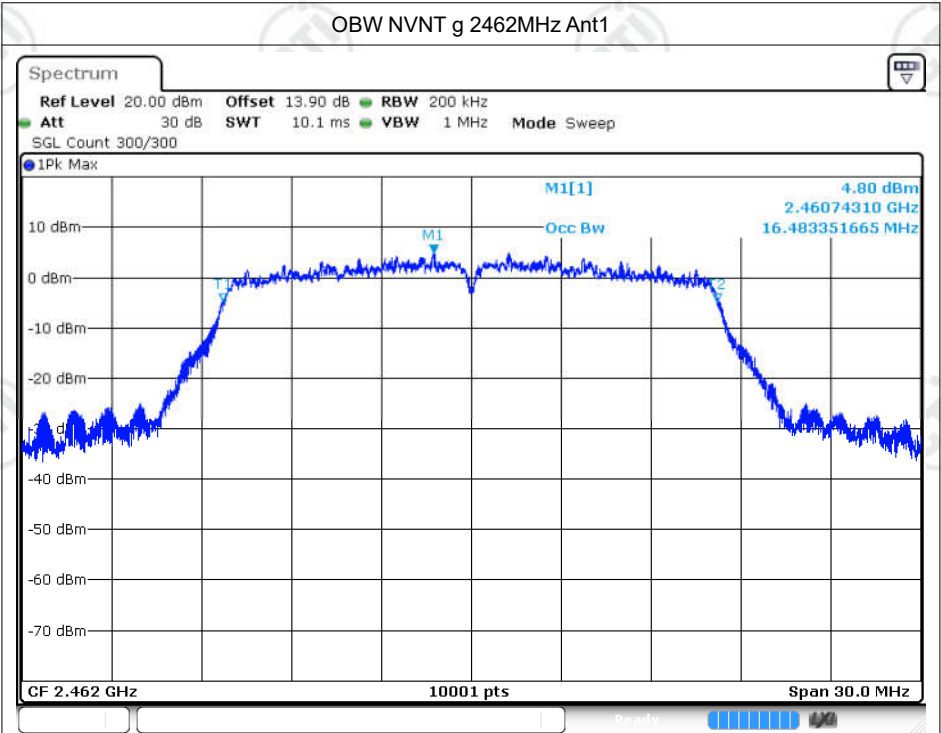




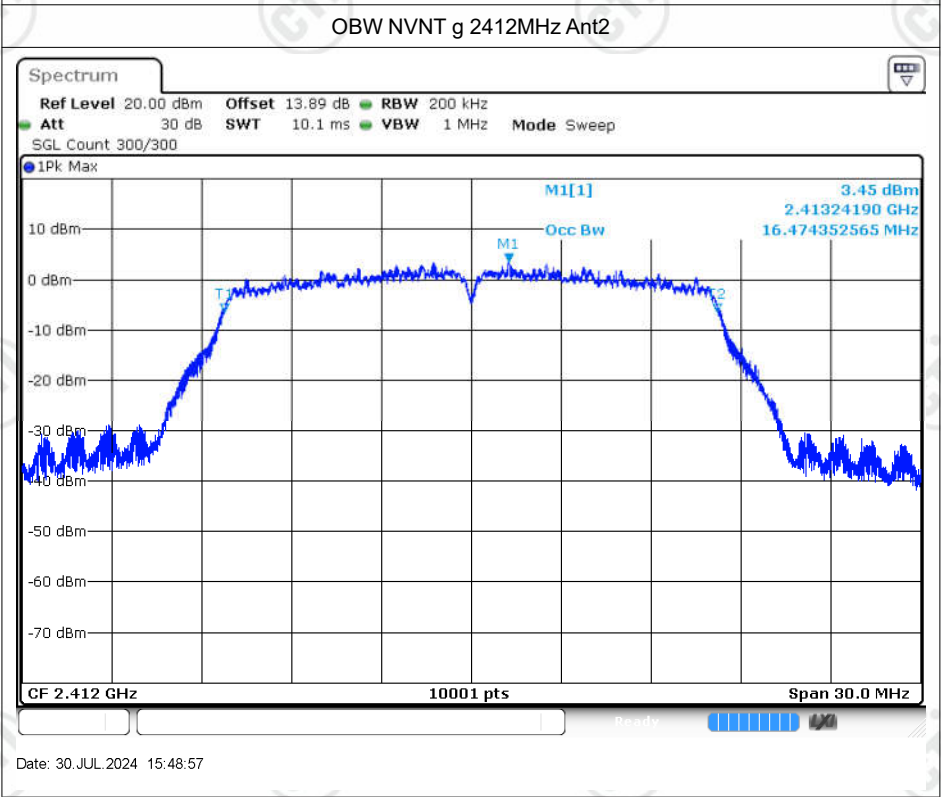
Date: 26 JUL 2024 09:47:37



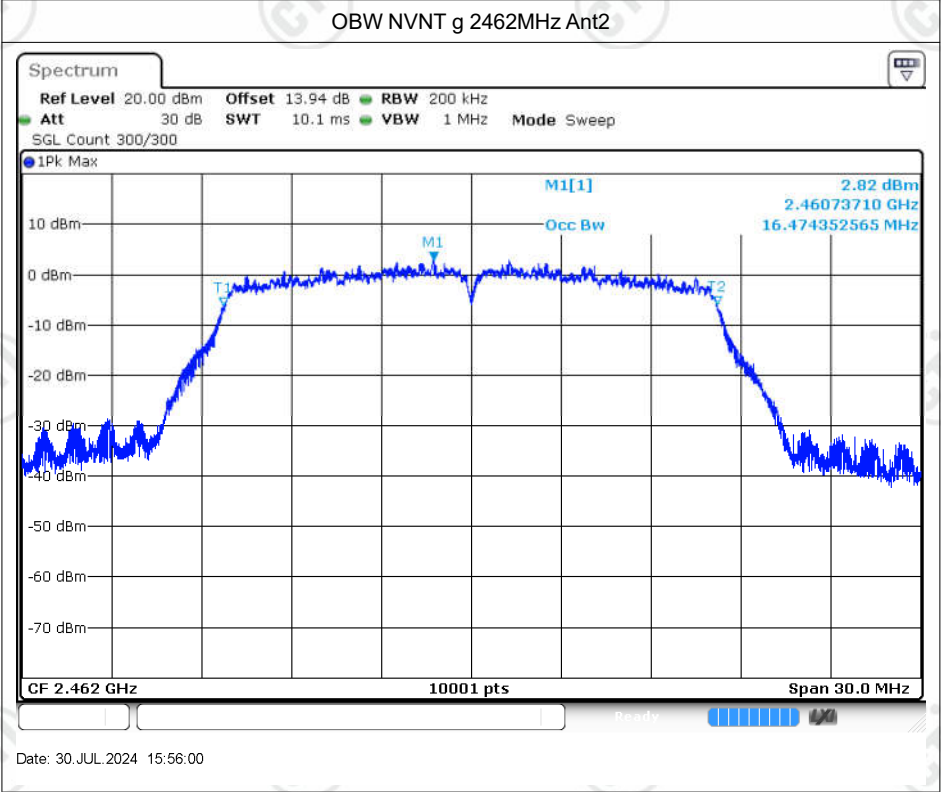
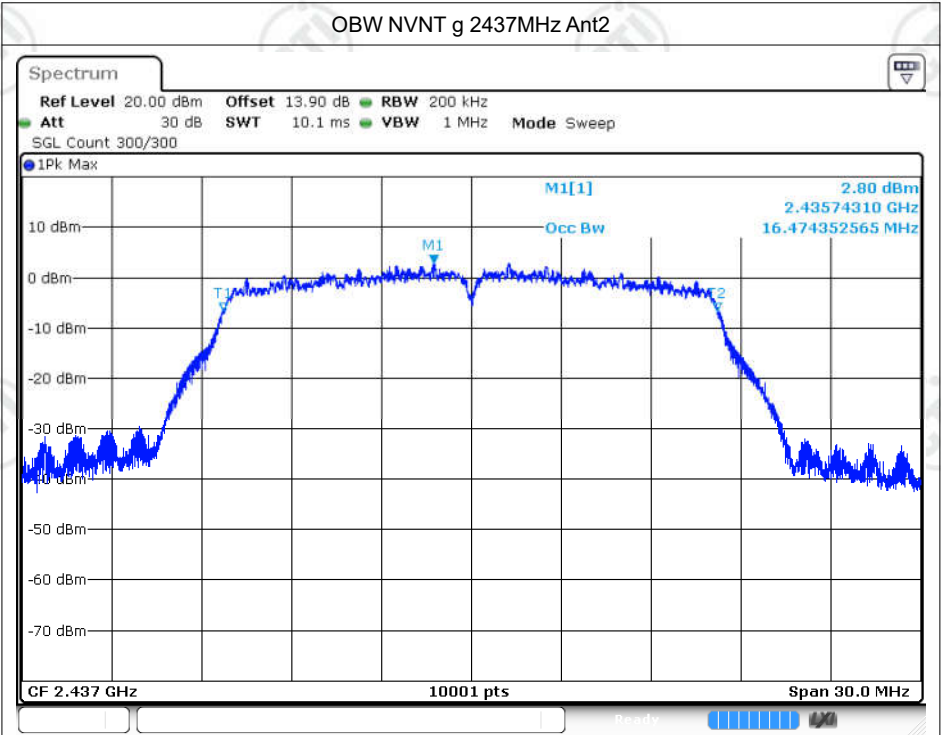
Date: 26 JUL 2024 09:53:00

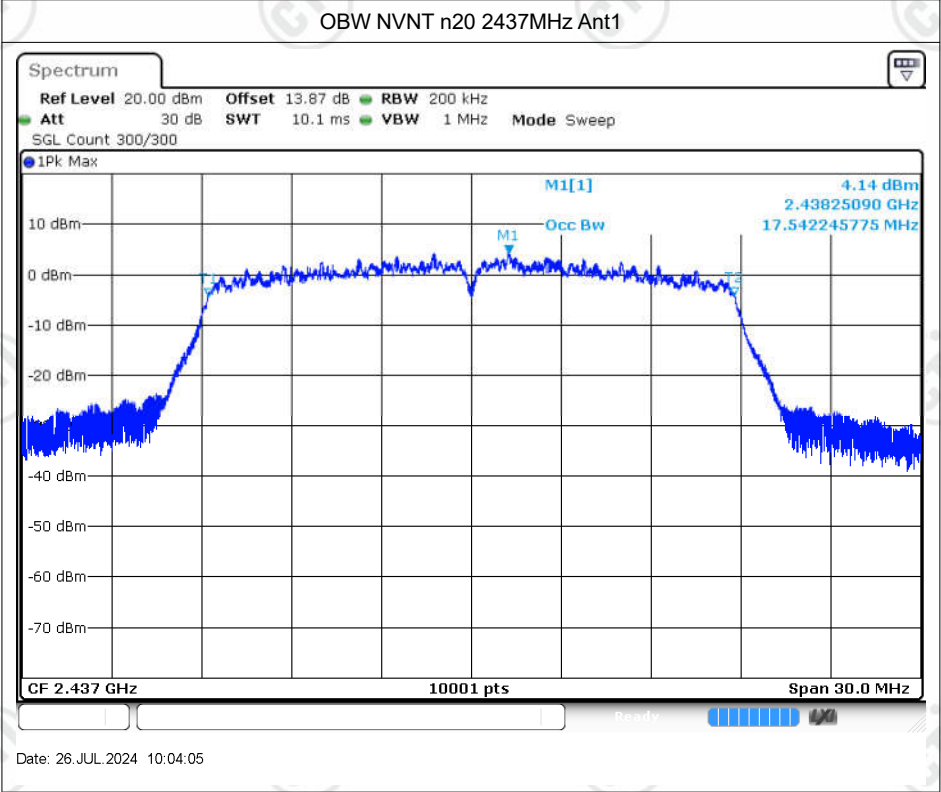
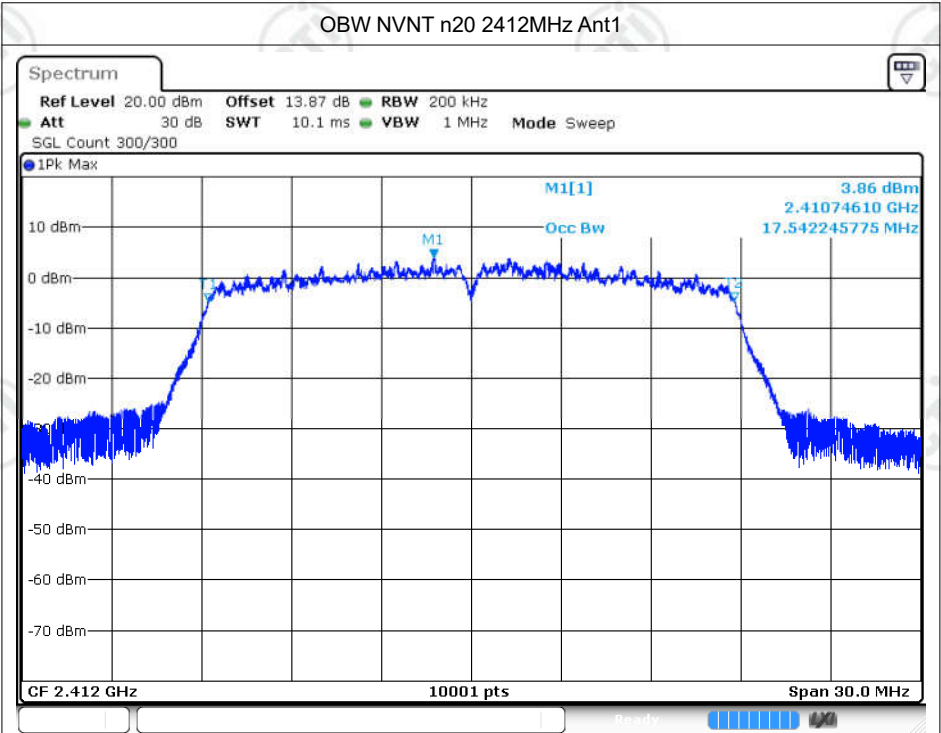


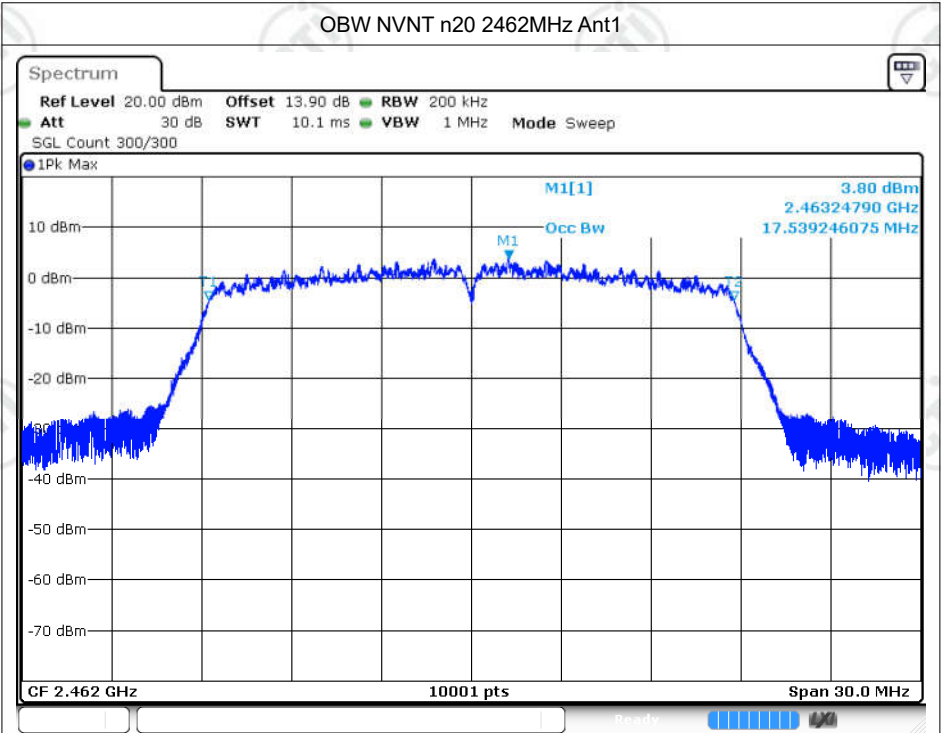
Date: 26 JUL 2024 09:57:47



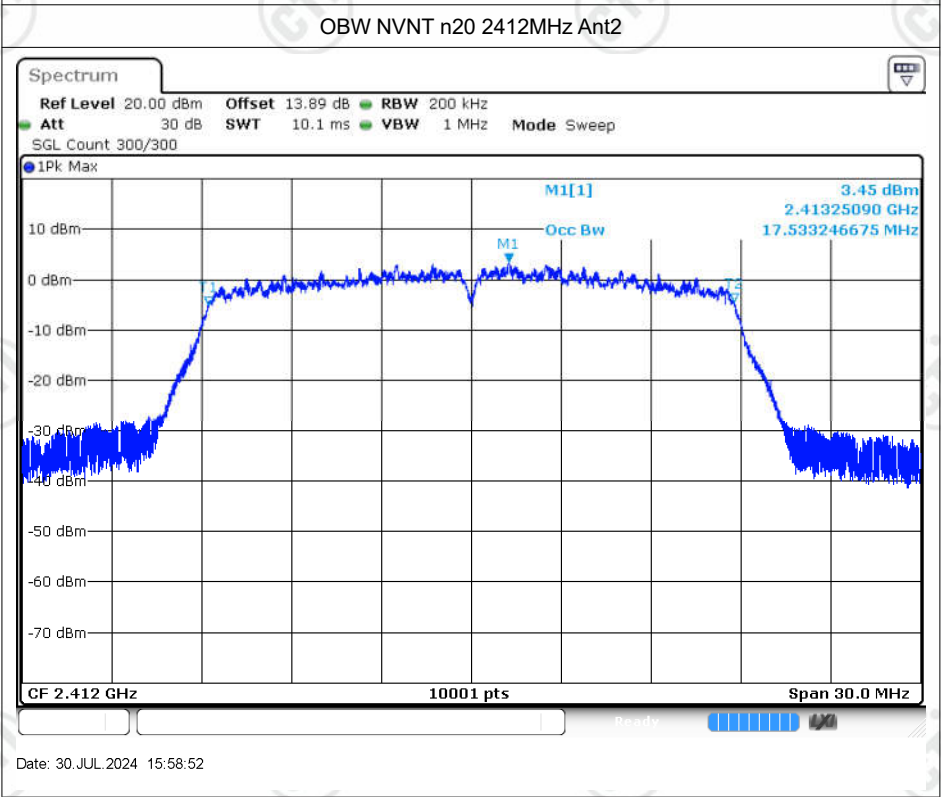
Date: 30 JUL 2024 15:48:57





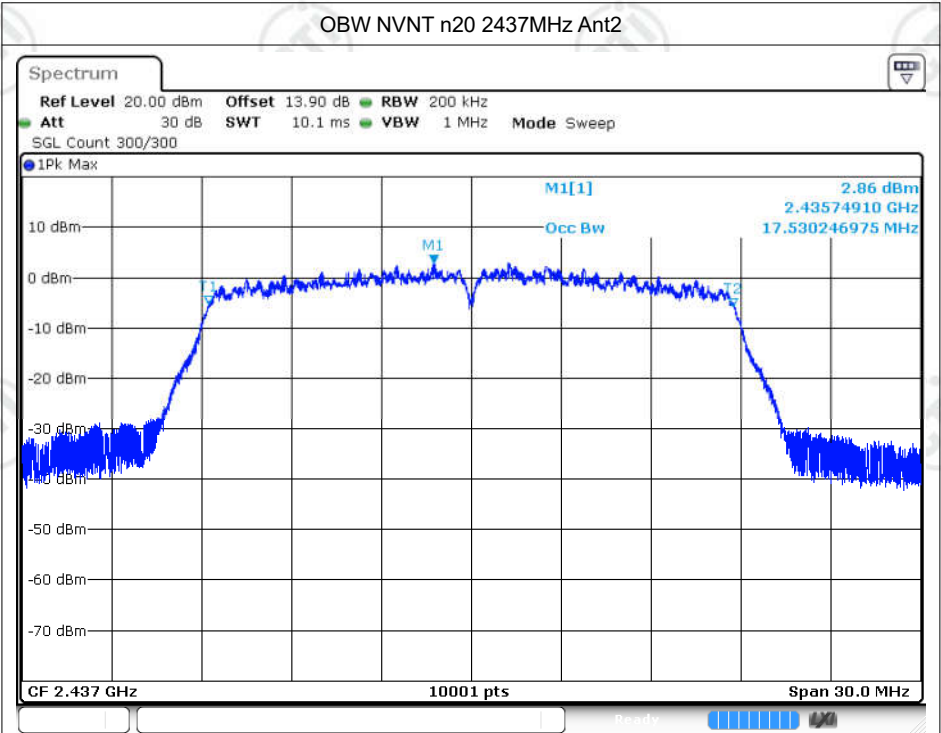


Date: 26 JUL 2024 10:07:40

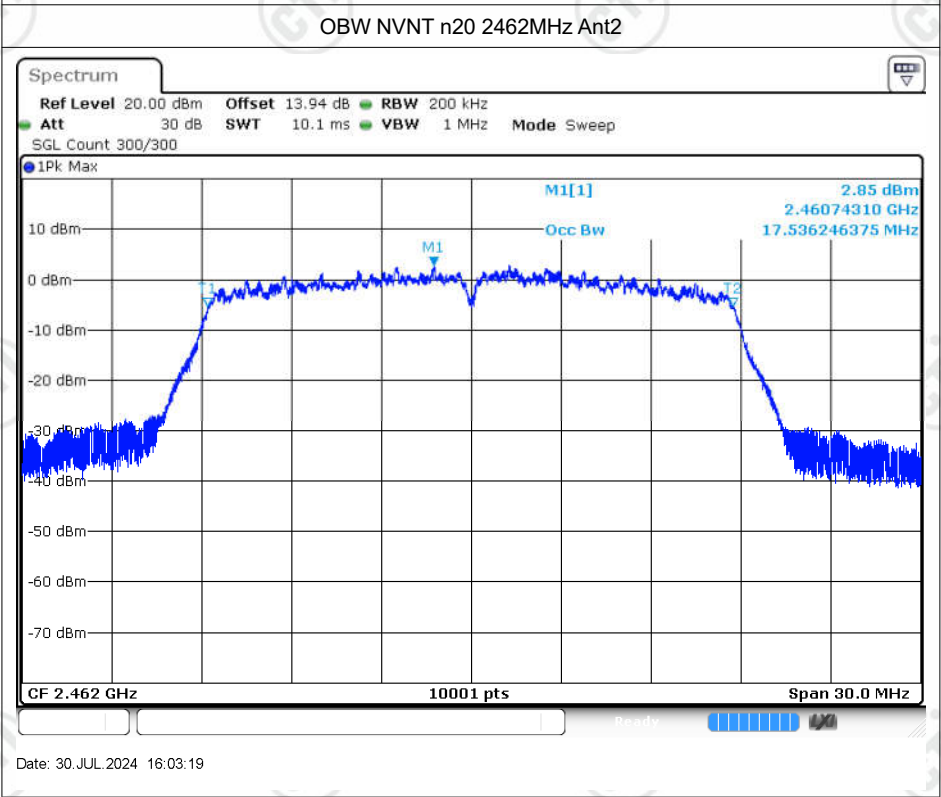


Date: 30 JUL 2024 15:58:52



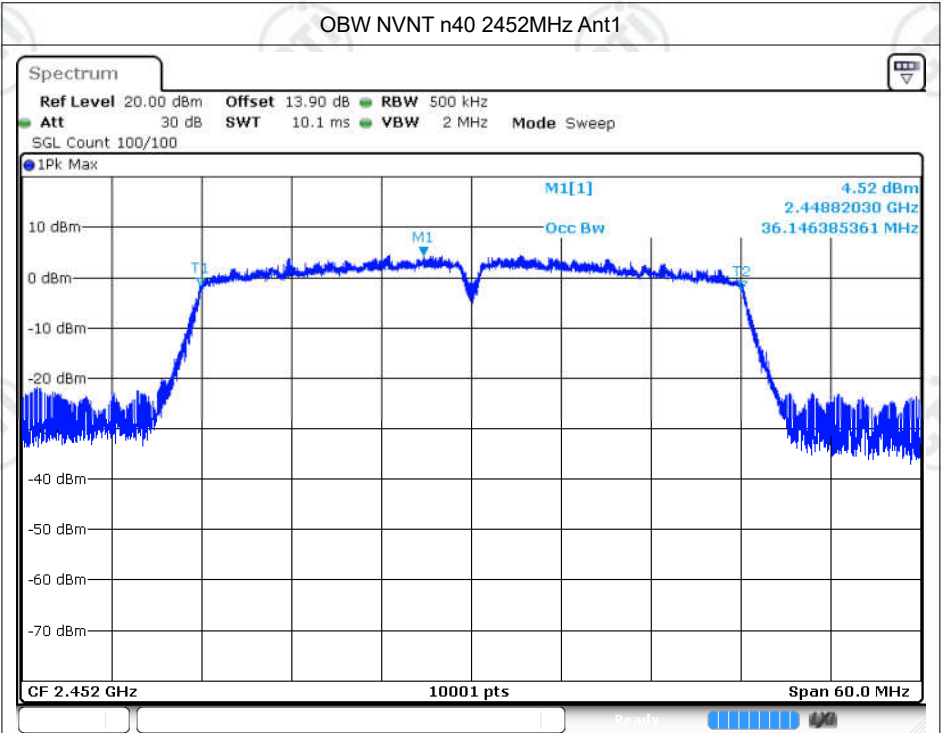


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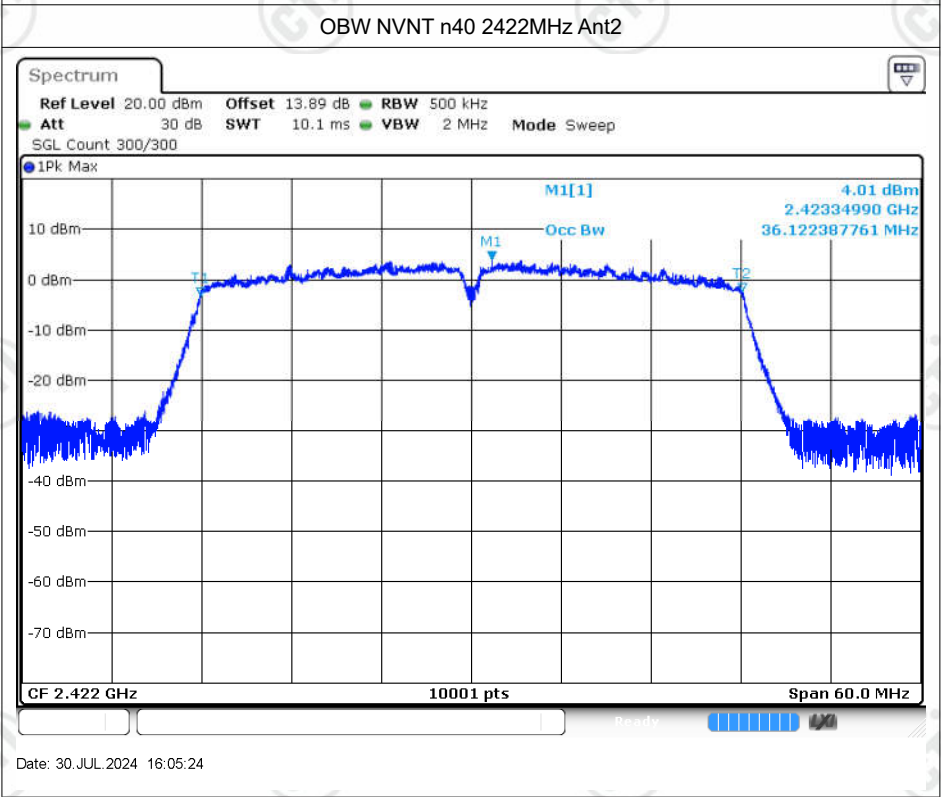


Date: 30 JUL 2024 16:03:19

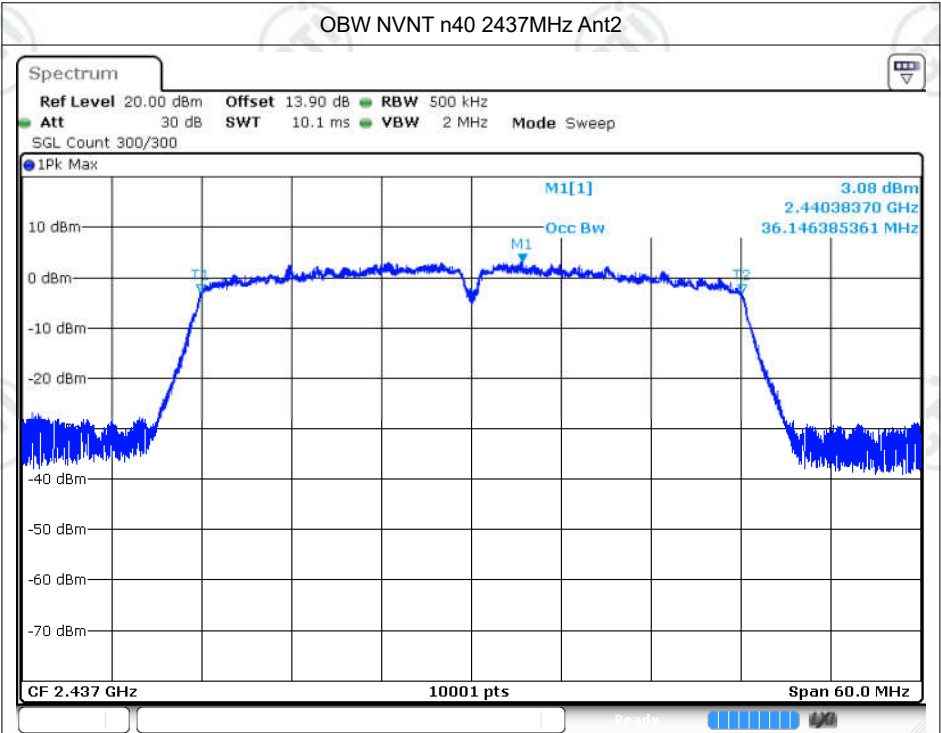




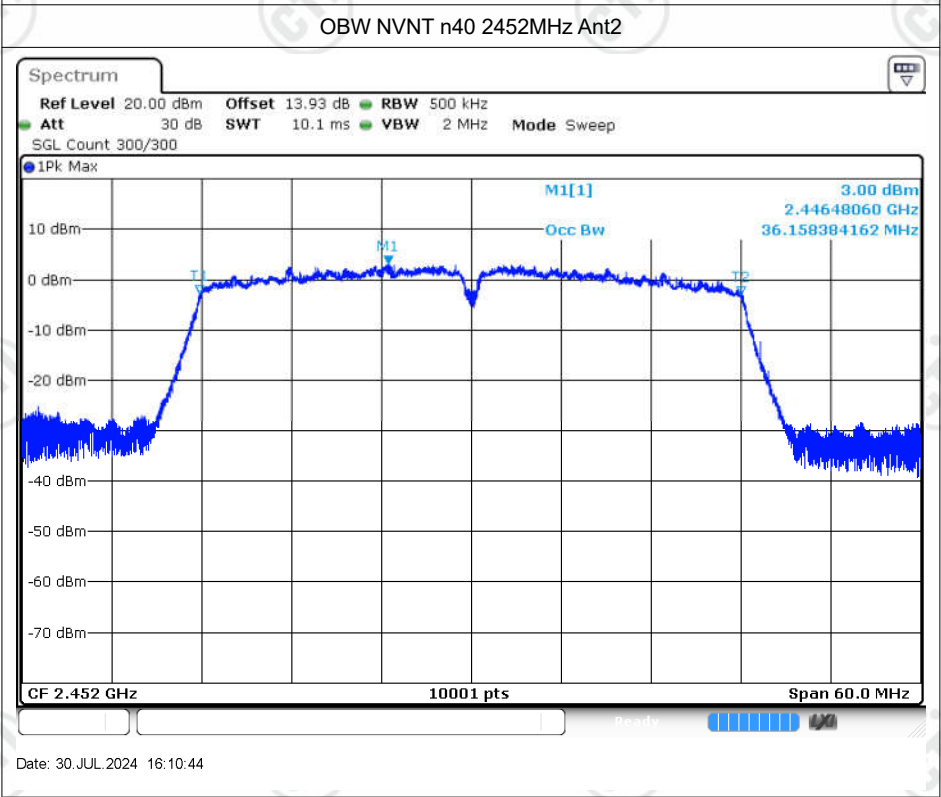
Date: 26 JUL 2024 10:16:49



Date: 30 JUL 2024 16:05:24



Date: 30 JUL 2024 16:07:51



Date: 30 JUL 2024 16:10:44

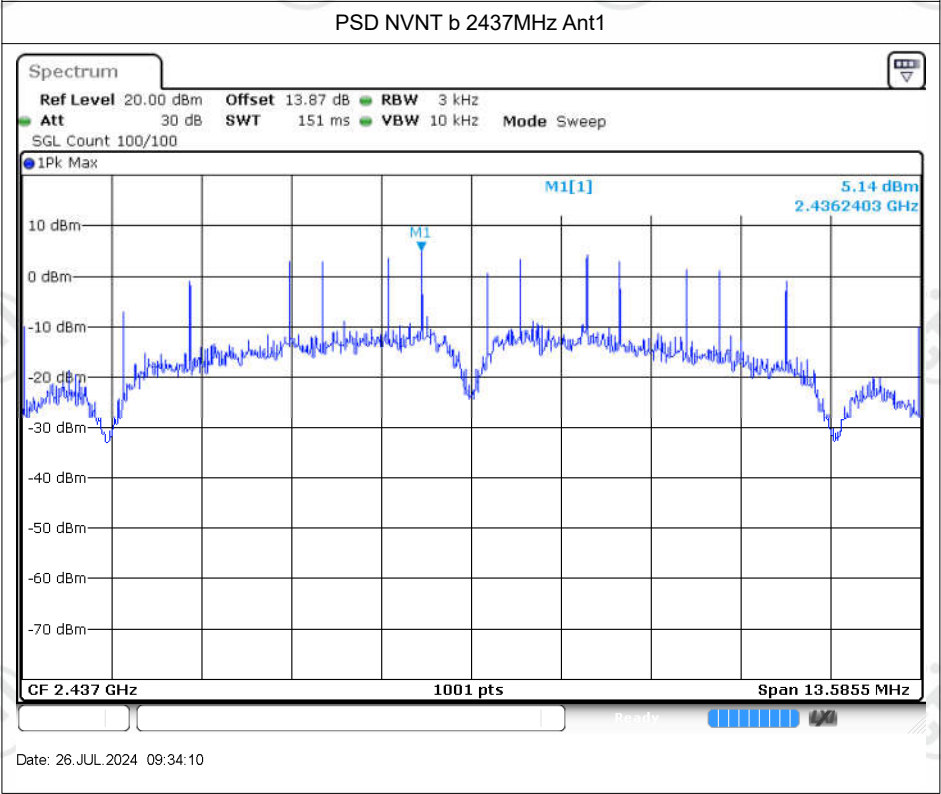
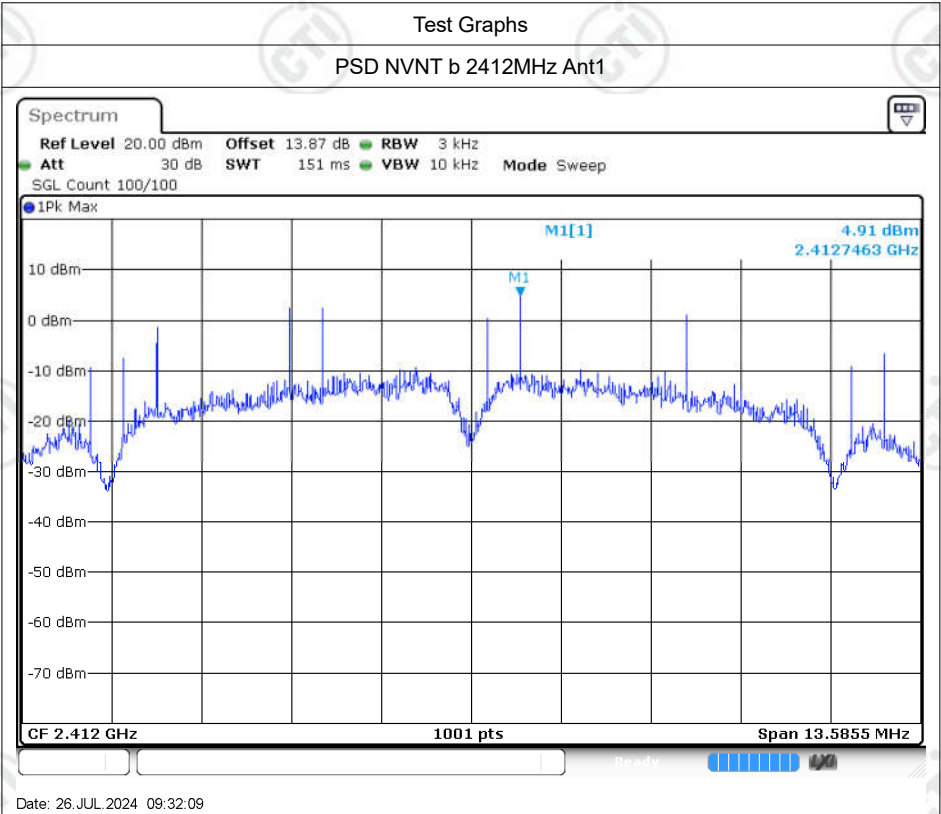
## Maximum Power Spectral Density Level

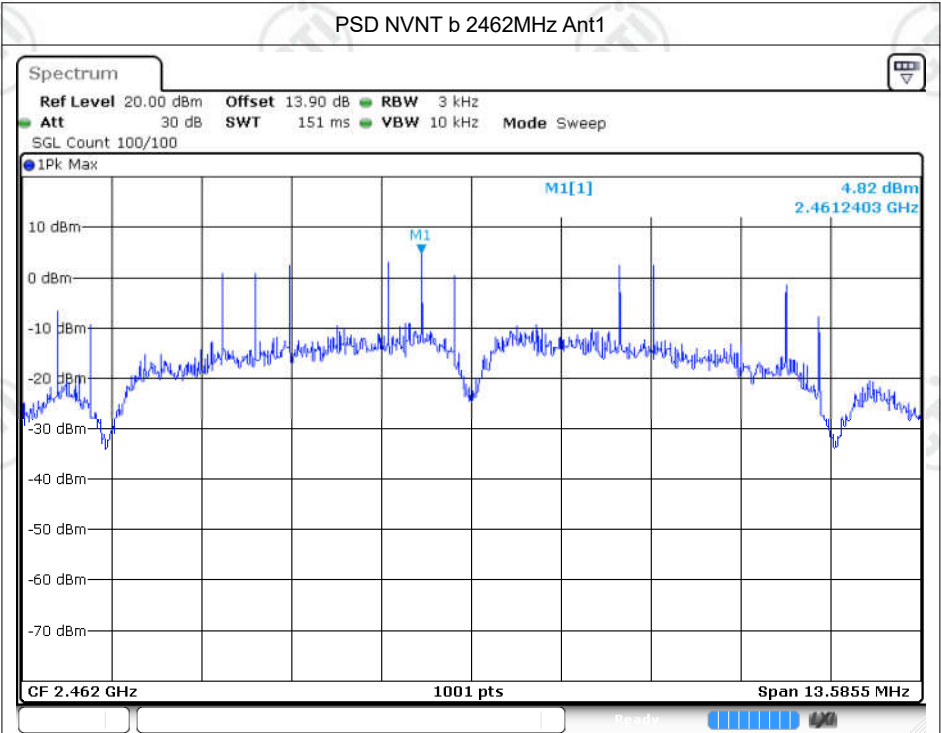
| Condition | Mode    | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|---------|-----------------|---------|--------------------------|------------------|---------|
| NVNT      | b       | 2412            | Ant1    | 4.91                     | 8                | Pass    |
| NVNT      | b       | 2437            | Ant1    | <b>5.14</b>              | 8                | Pass    |
| NVNT      | b       | 2462            | Ant1    | 4.82                     | 8                | Pass    |
| NVNT      | b       | 2412            | Ant2    | 4.21                     | 8                | Pass    |
| NVNT      | b       | 2437            | Ant2    | 3.80                     | 8                | Pass    |
| NVNT      | b       | 2462            | Ant2    | 3.79                     | 8                | Pass    |
| NVNT      | g       | 2412            | Ant1    | -11.10                   | 8                | Pass    |
| NVNT      | g       | 2437            | Ant1    | -10.94                   | 8                | Pass    |
| NVNT      | g       | 2462            | Ant1    | -11.91                   | 8                | Pass    |
| NVNT      | g       | 2412            | Ant2    | -12.97                   | 8                | Pass    |
| NVNT      | g       | 2437            | Ant2    | -13.88                   | 8                | Pass    |
| NVNT      | g       | 2462            | Ant2    | -14.12                   | 8                | Pass    |
| NVNT      | n20SISO | 2412            | Ant1    | -11.06                   | 8                | Pass    |
| NVNT      | n20SISO | 2437            | Ant1    | -13.15                   | 8                | Pass    |
| NVNT      | n20SISO | 2462            | Ant1    | -12.61                   | 8                | Pass    |
| NVNT      | n20SISO | 2412            | Ant2    | -12.44                   | 8                | Pass    |
| NVNT      | n20SISO | 2437            | Ant2    | -12.24                   | 8                | Pass    |
| NVNT      | n20SISO | 2462            | Ant2    | -11.82                   | 8                | Pass    |
| NVNT      | n20MIMO | 2412            | Ant1    | -20.16                   | 8                | Pass    |
| NVNT      | n20MIMO | 2412            | Ant2    | -21.50                   | 8                | Pass    |
| NVNT      | n20MIMO | 2412            | Sum     | -17.77                   | 8                | Pass    |
| NVNT      | n20MIMO | 2437            | Ant1    | -20.83                   | 8                | Pass    |
| NVNT      | n20MIMO | 2437            | Ant2    | -21.32                   | 8                | Pass    |
| NVNT      | n20MIMO | 2437            | Sum     | -18.06                   | 8                | Pass    |
| NVNT      | n20MIMO | 2462            | Ant1    | -20.62                   | 8                | Pass    |
| NVNT      | n20MIMO | 2462            | Ant2    | -18.87                   | 8                | Pass    |
| NVNT      | n20MIMO | 2462            | Sum     | -16.65                   | 8                | Pass    |
| NVNT      | n40SISO | 2422            | Ant1    | -15.54                   | 8                | Pass    |
| NVNT      | n40SISO | 2437            | Ant1    | -15.14                   | 8                | Pass    |
| NVNT      | n40SISO | 2452            | Ant1    | -15.02                   | 8                | Pass    |
| NVNT      | n40SISO | 2422            | Ant2    | -16.01                   | 8                | Pass    |
| NVNT      | n40SISO | 2437            | Ant2    | -17.23                   | 8                | Pass    |
| NVNT      | n40SISO | 2452            | Ant2    | -16.06                   | 8                | Pass    |
| NVNT      | n40MIMO | 2422            | Ant1    | -23.50                   | 8                | Pass    |
| NVNT      | n40MIMO | 2422            | Ant2    | -24.53                   | 8                | Pass    |
| NVNT      | n40MIMO | 2422            | Sum     | -20.97                   | 8                | Pass    |
| NVNT      | n40MIMO | 2437            | Ant1    | -22.97                   | 8                | Pass    |
| NVNT      | n40MIMO | 2437            | Ant2    | -25.28                   | 8                | Pass    |



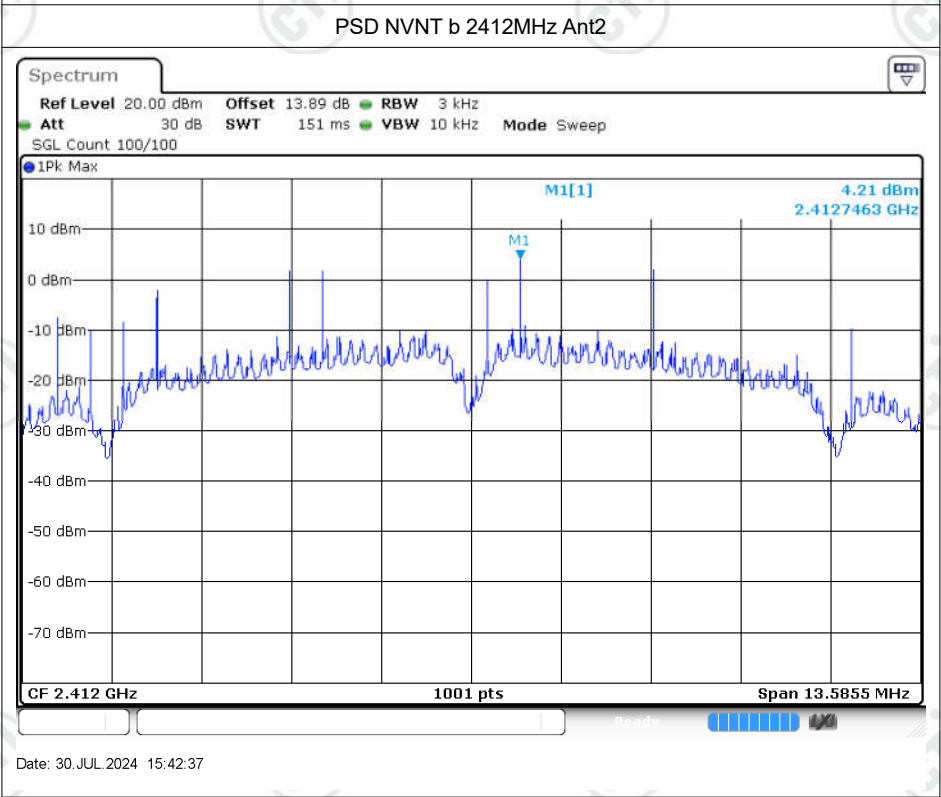
|      |         |      |      |        |   |      |
|------|---------|------|------|--------|---|------|
| NVNT | n40MIMO | 2437 | Sum  | -20.96 | 8 | Pass |
| NVNT | n40MIMO | 2452 | Ant1 | -23.70 | 8 | Pass |
| NVNT | n40MIMO | 2452 | Ant2 | -24.65 | 8 | Pass |
| NVNT | n40MIMO | 2452 | Sum  | -21.14 | 8 | Pass |

Note: The result of Conducted PSD has been added Duty Cycle Correction Factor;

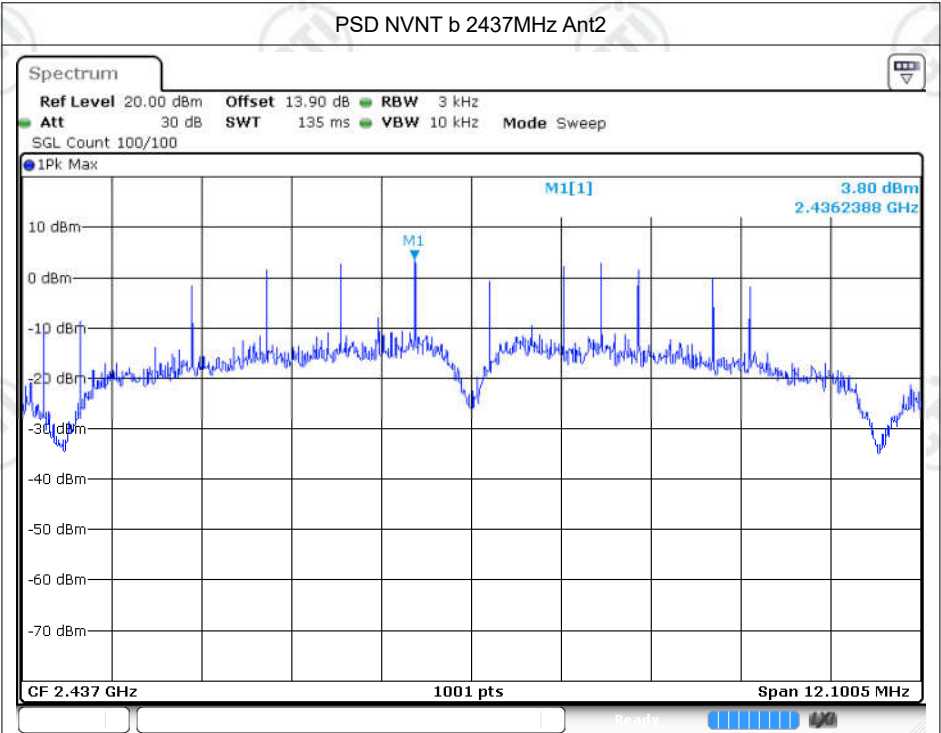




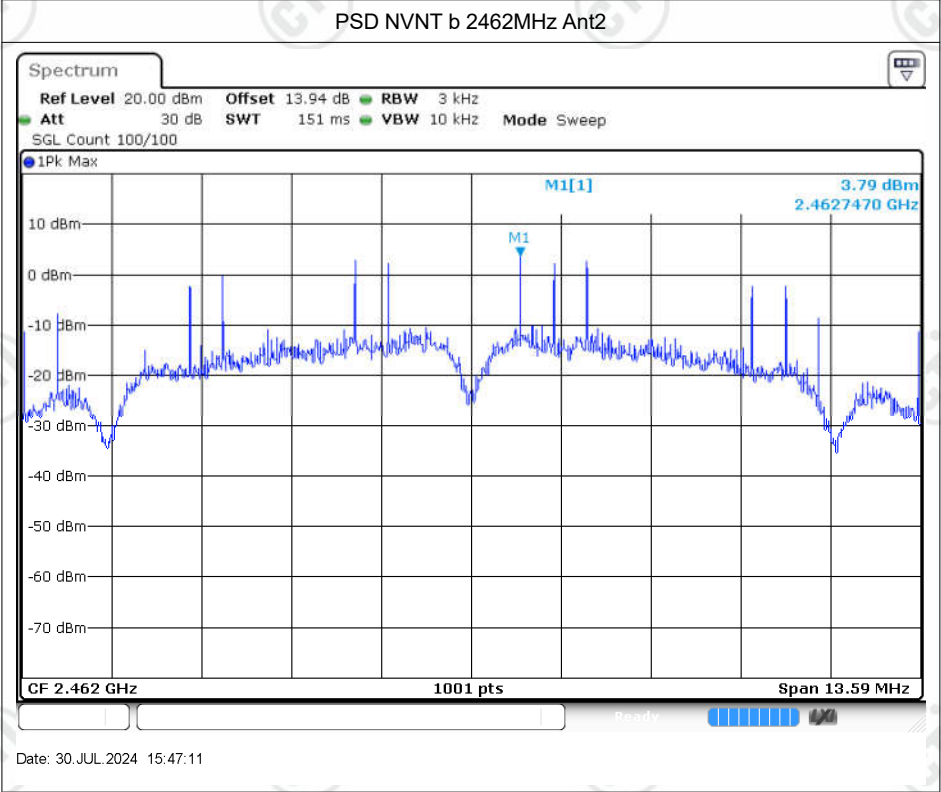
Date: 26 JUL 2024 09:35:36



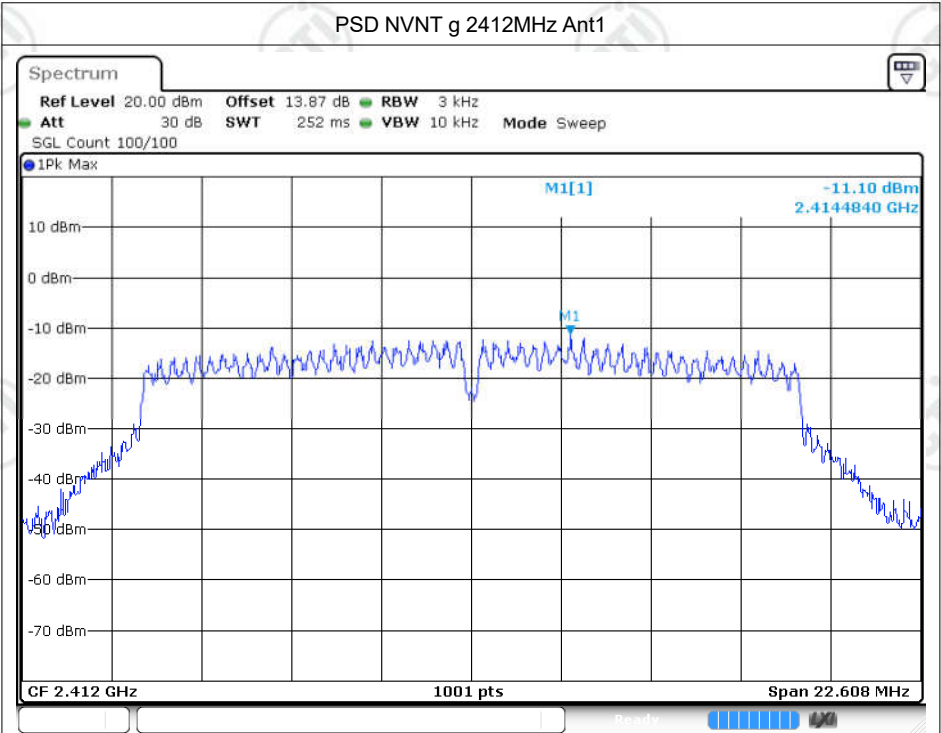
Date: 30 JUL 2024 15:42:37



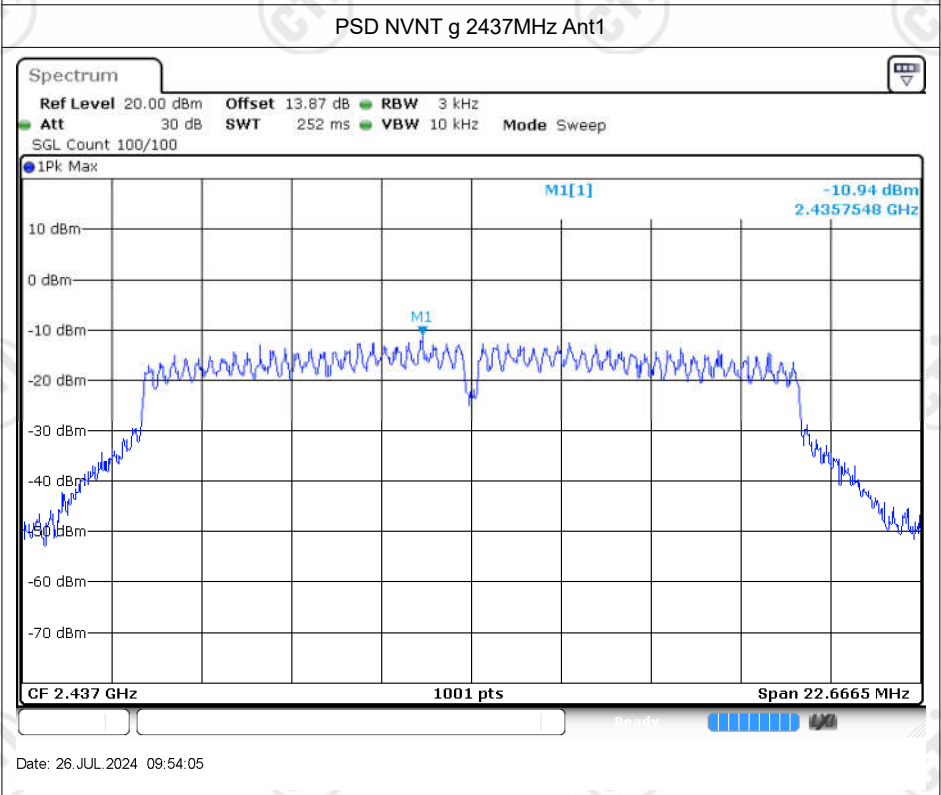
Date: 30 JUL 2024 15:44:32



Date: 30 JUL 2024 15:47:11

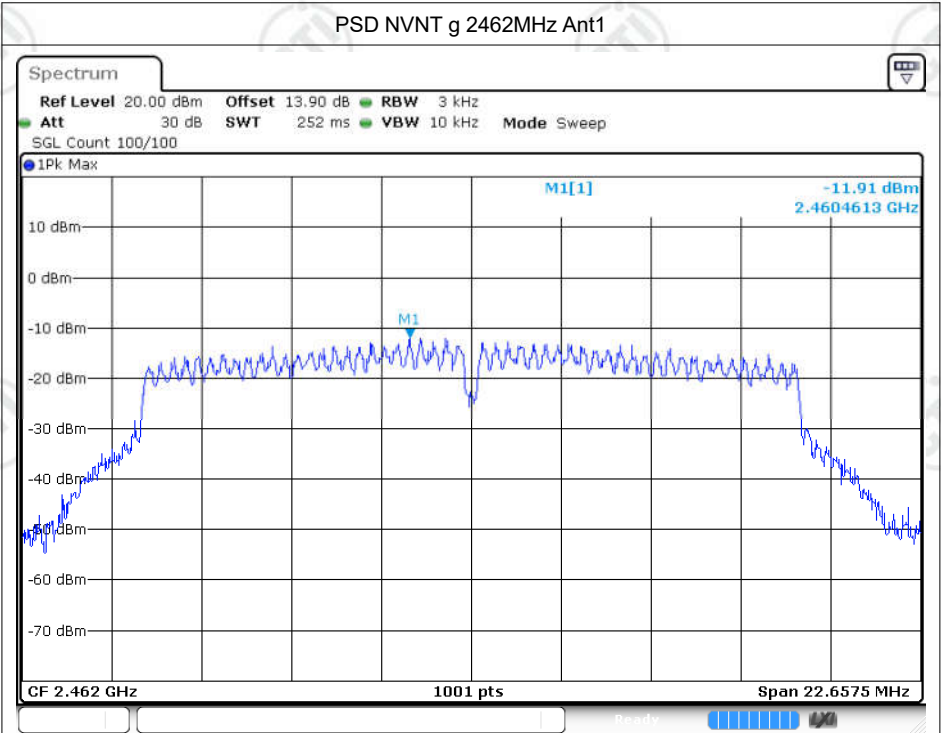


Date: 26 JUL 2024 09:48:22

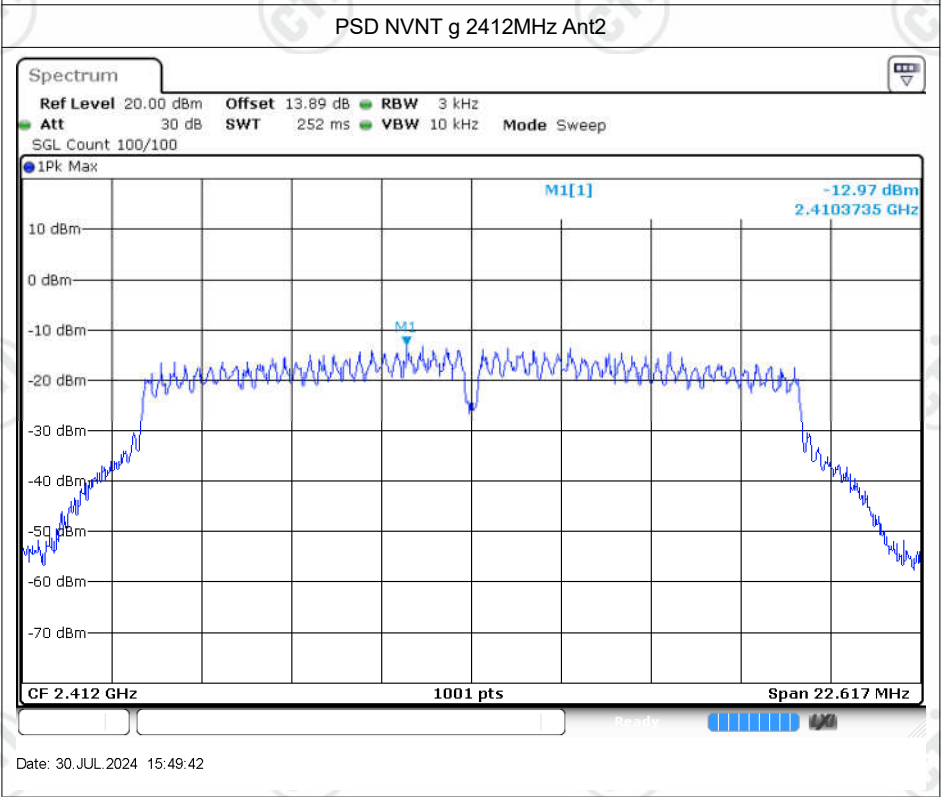


Date: 26 JUL 2024 09:54:05

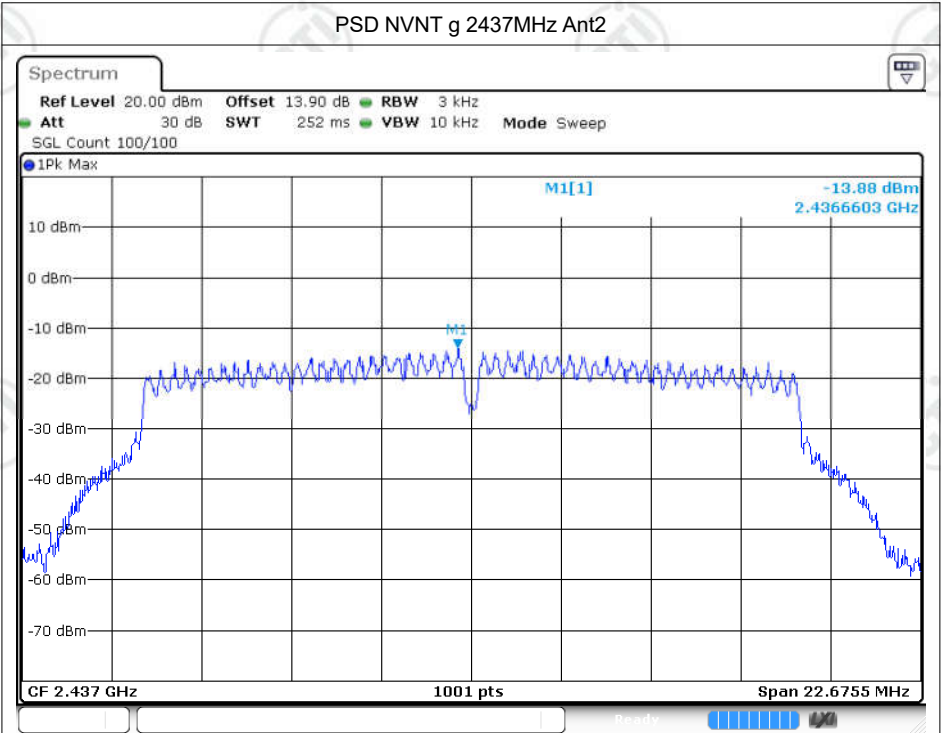




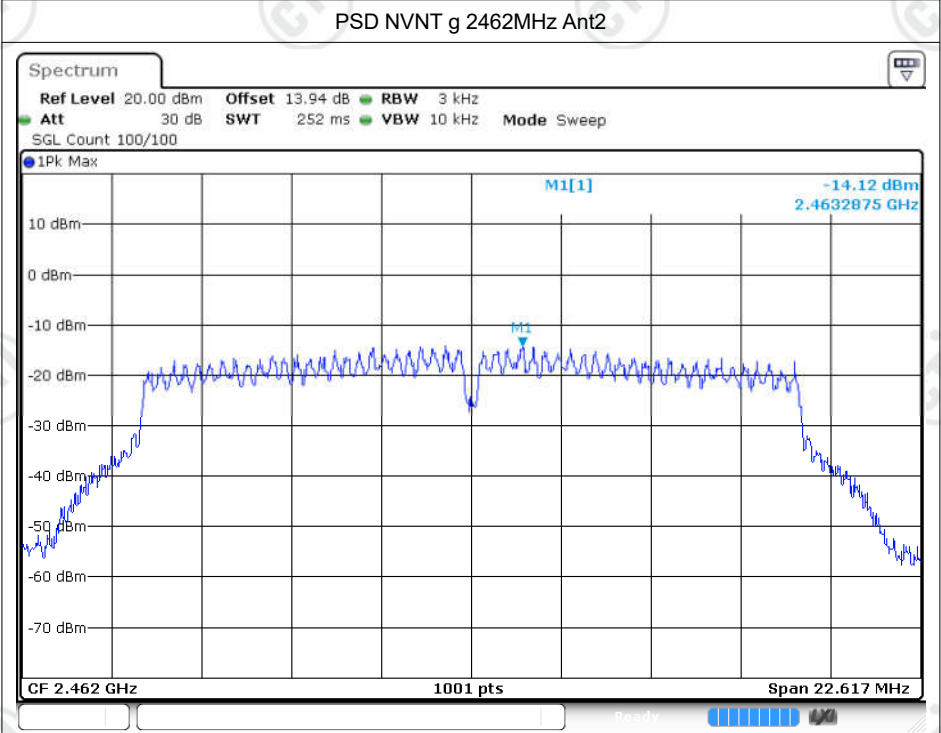
Date: 26 JUL 2024 09:58:33



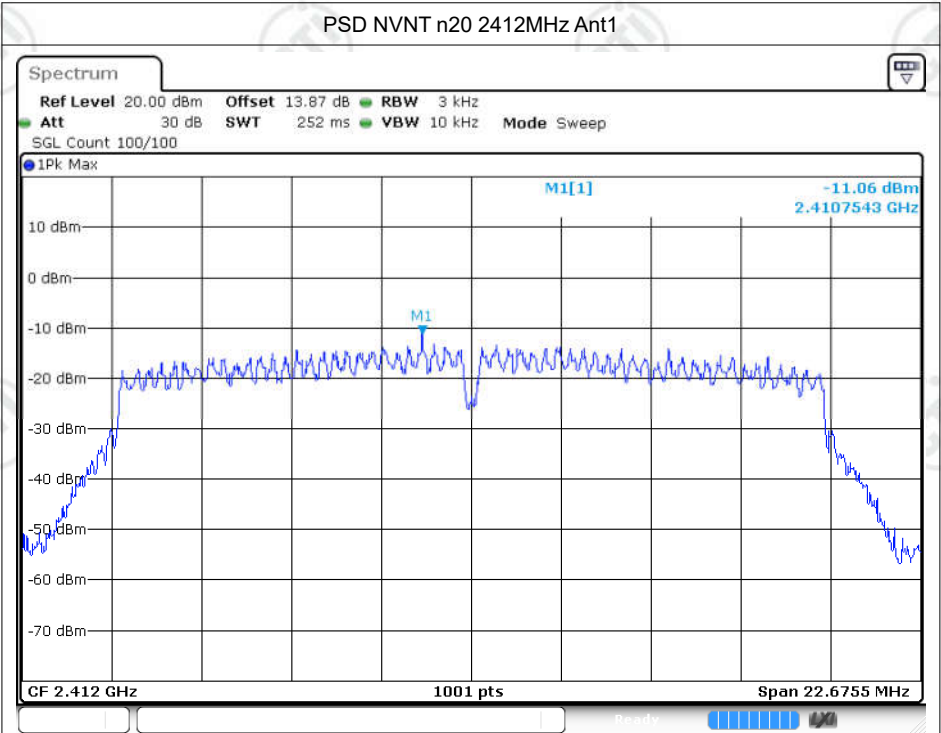
Date: 30 JUL 2024 15:49:42



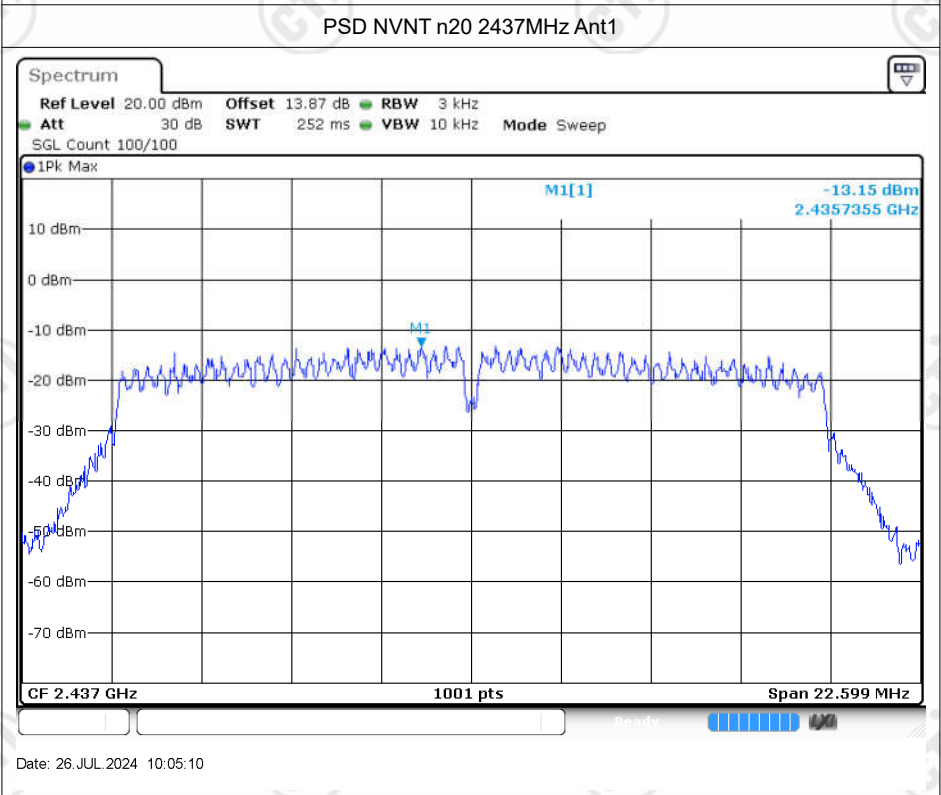
Date: 30 JUL 2024 15:52:04



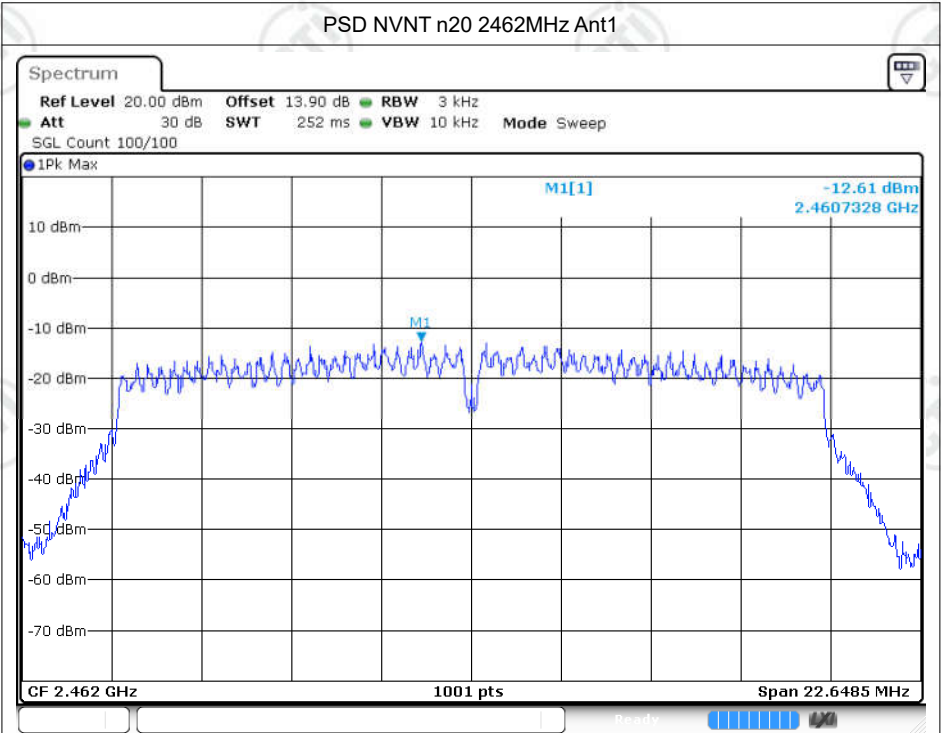
Date: 30 JUL 2024 15:56:46



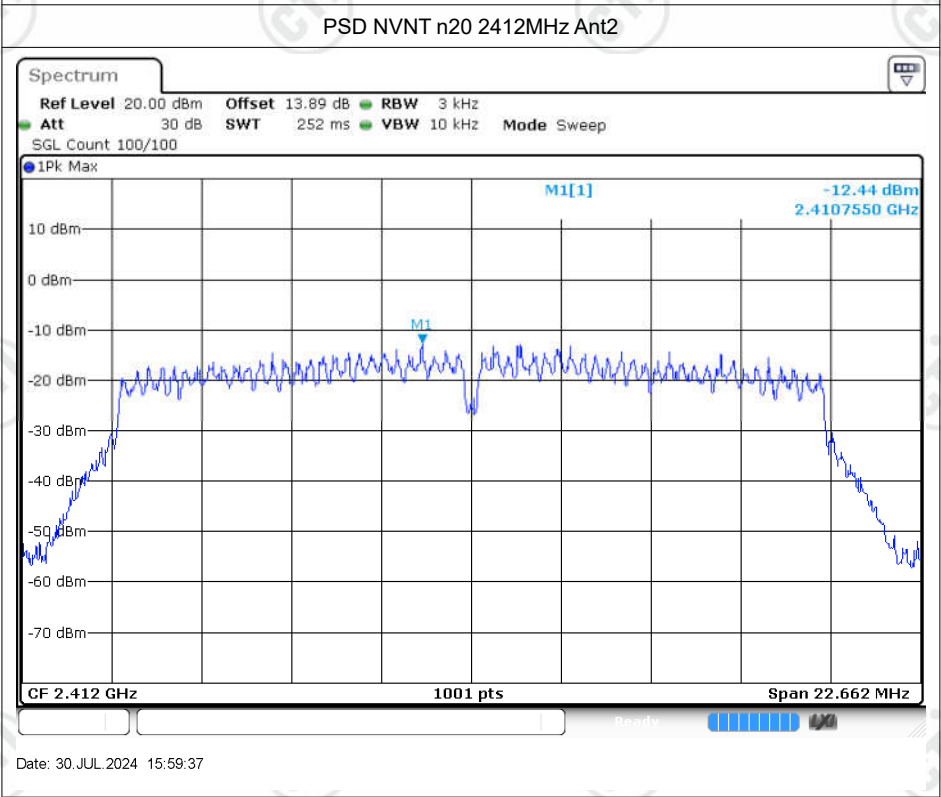
Date: 26 JUL 2024 10:01:15



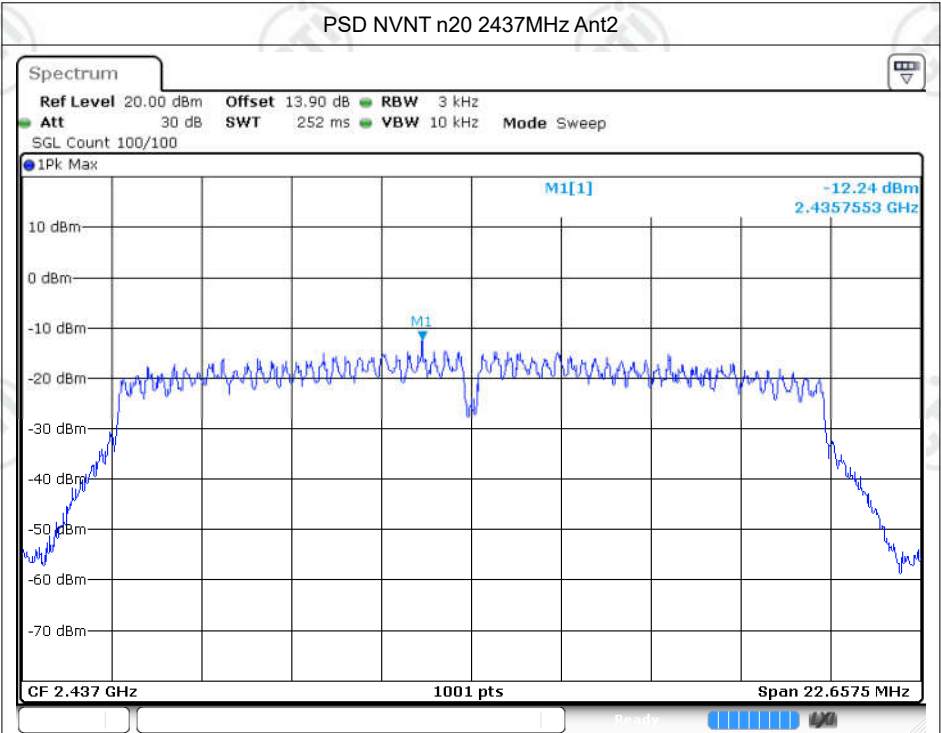
Date: 26 JUL 2024 10:05:10



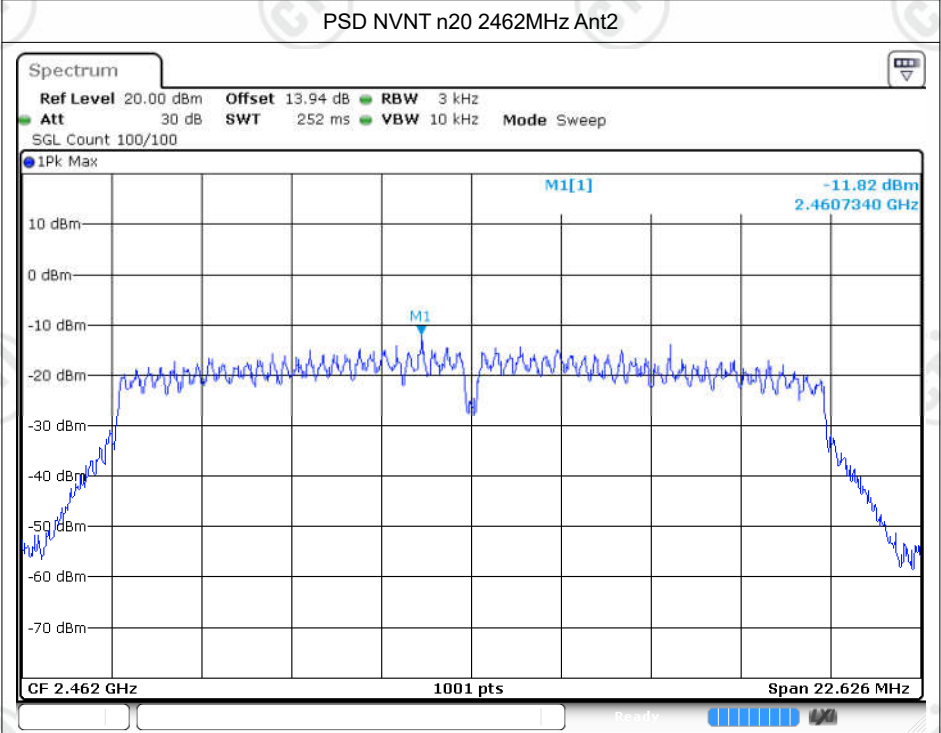
Date: 26 JUL 2024 10:08:26



Date: 30 JUL 2024 15:59:37

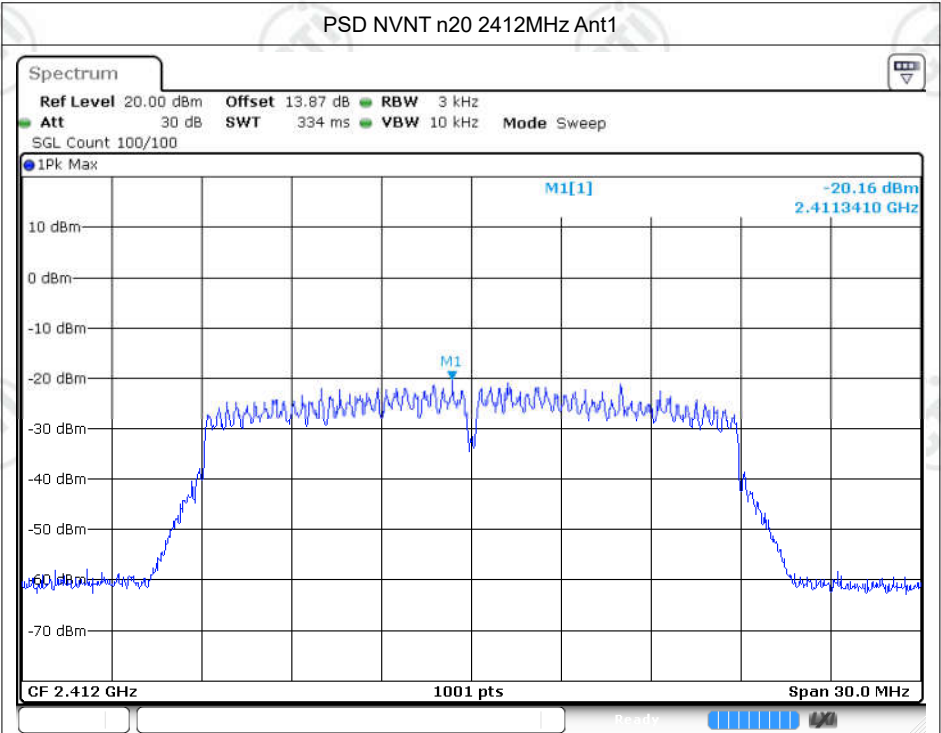


Date: 30 JUL 2024 16:01:37

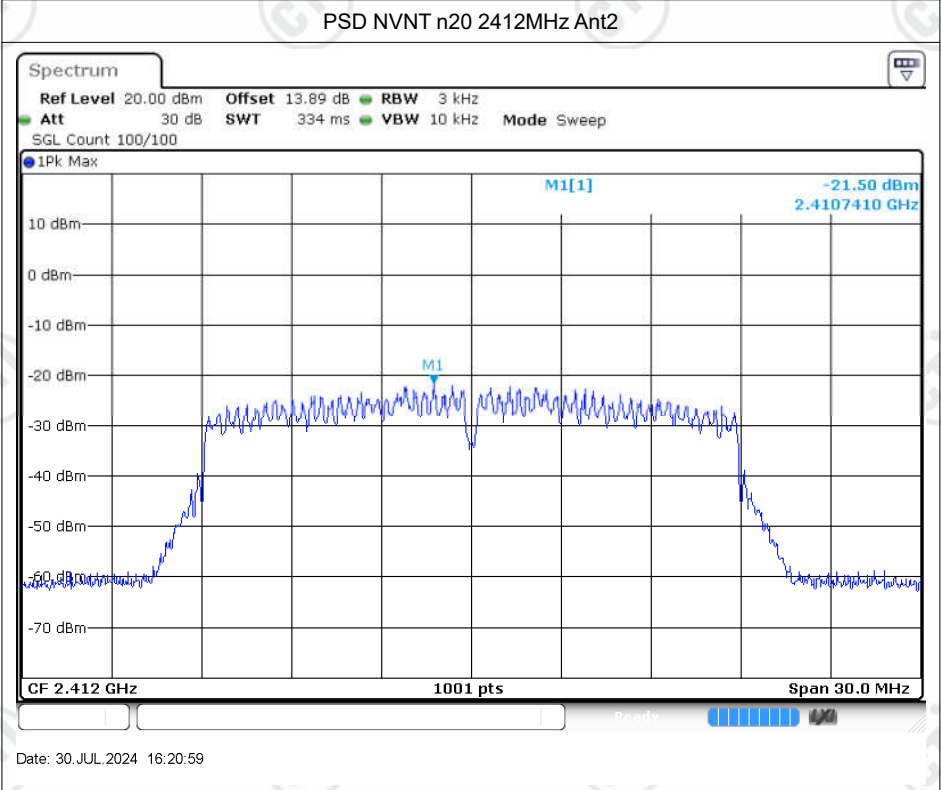


Date: 30 JUL 2024 16:04:05

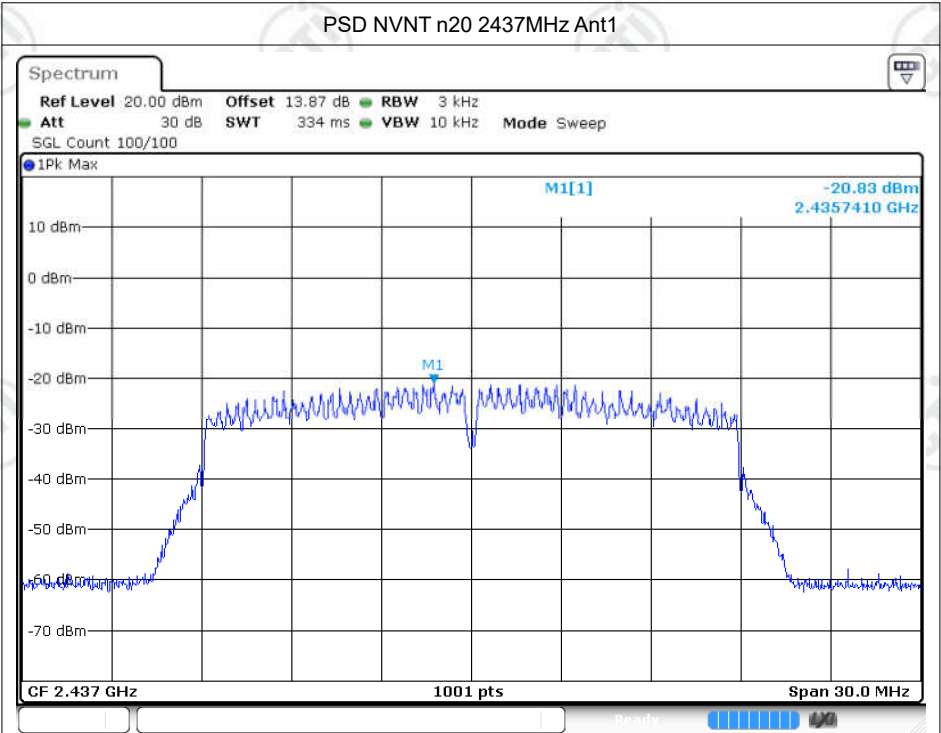




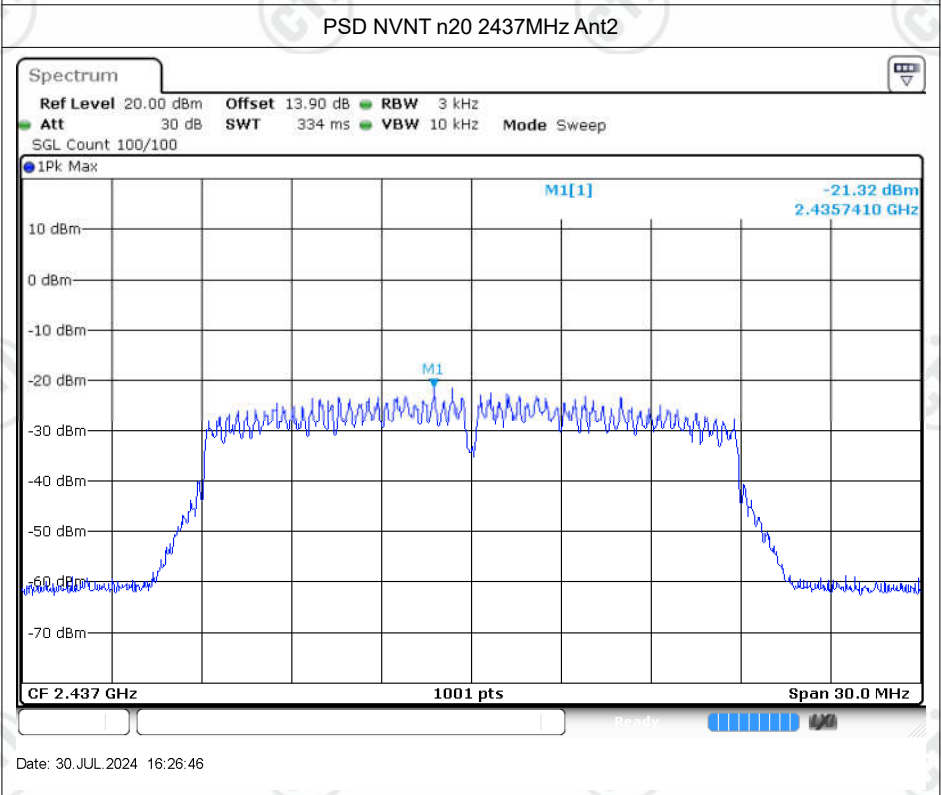
Date: 30 JUL 2024 16:20:17



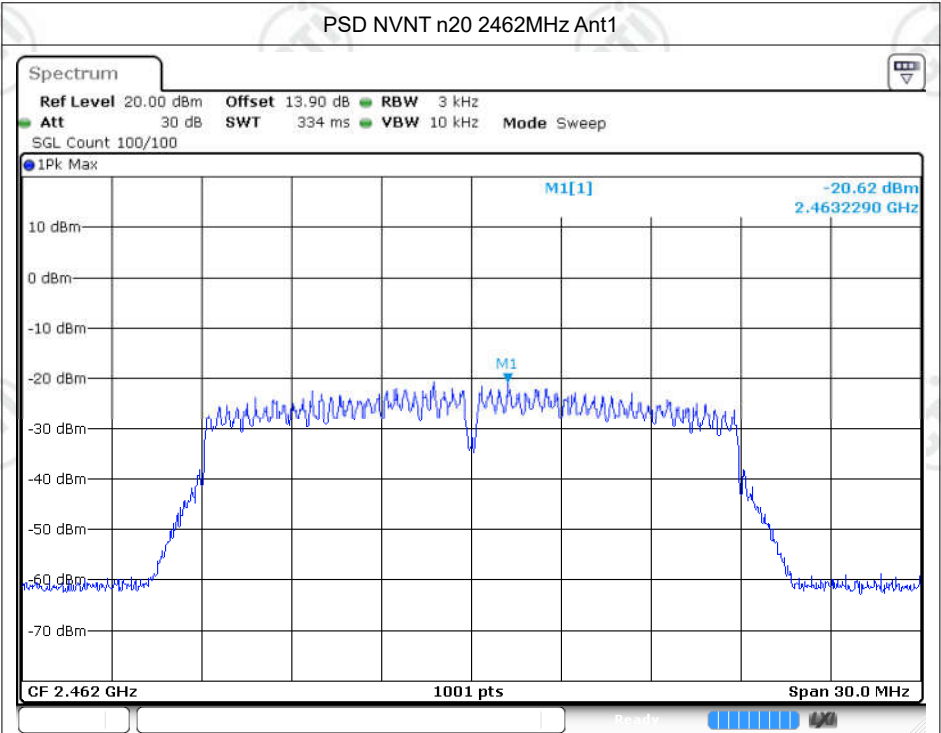
Date: 30 JUL 2024 16:20:59



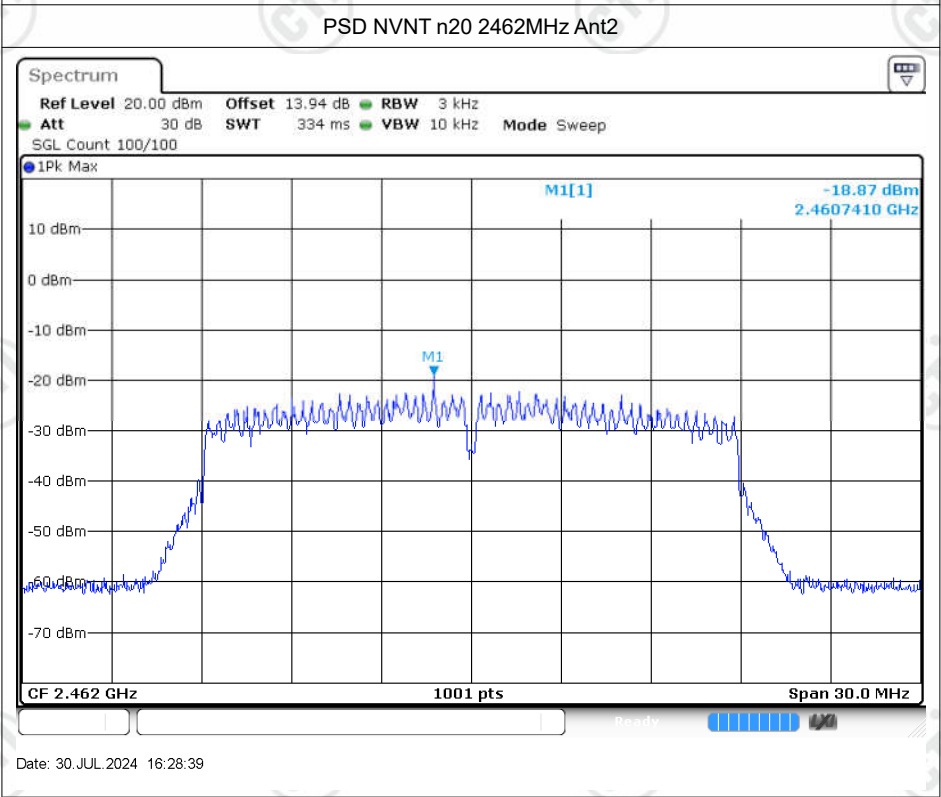
Date: 30 JUL 2024 16:26:03



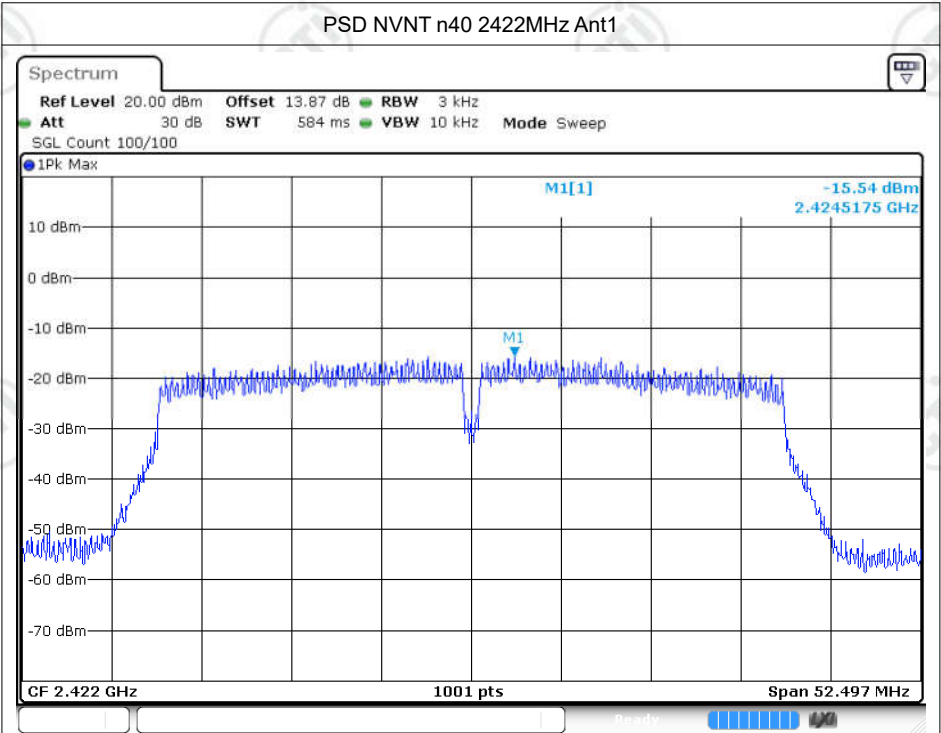
Date: 30 JUL 2024 16:26:46



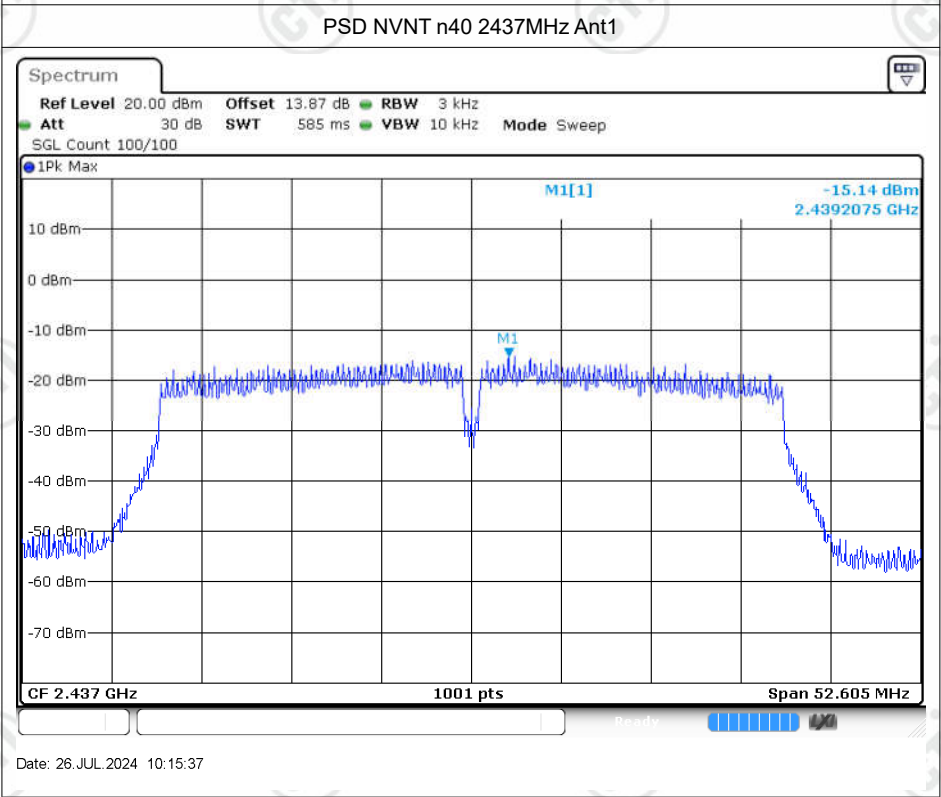
Date: 30 JUL 2024 16:27:56



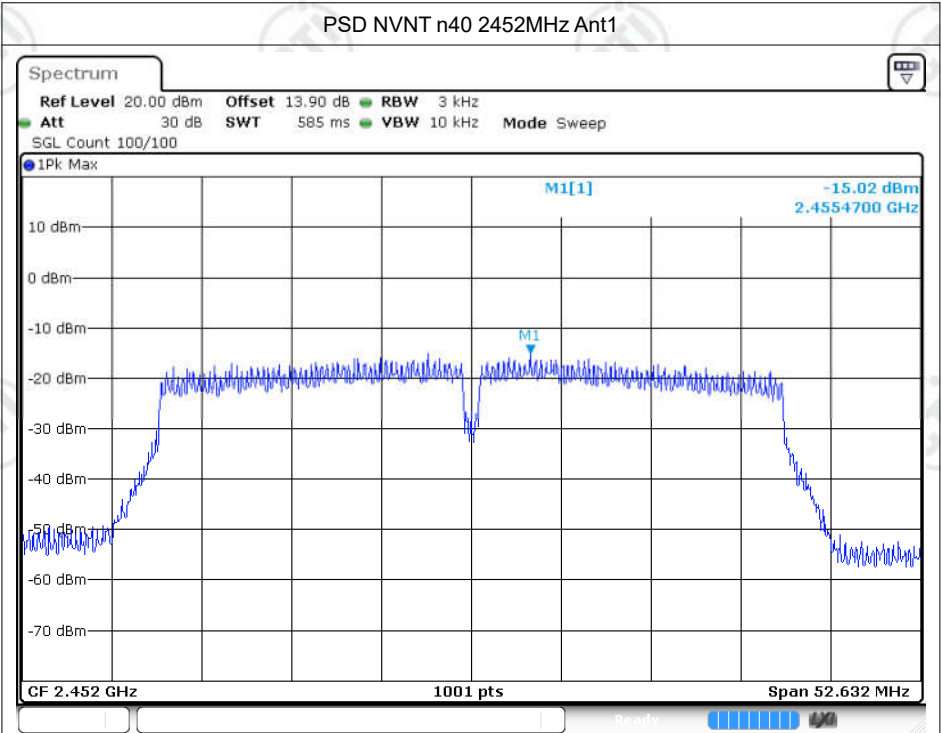
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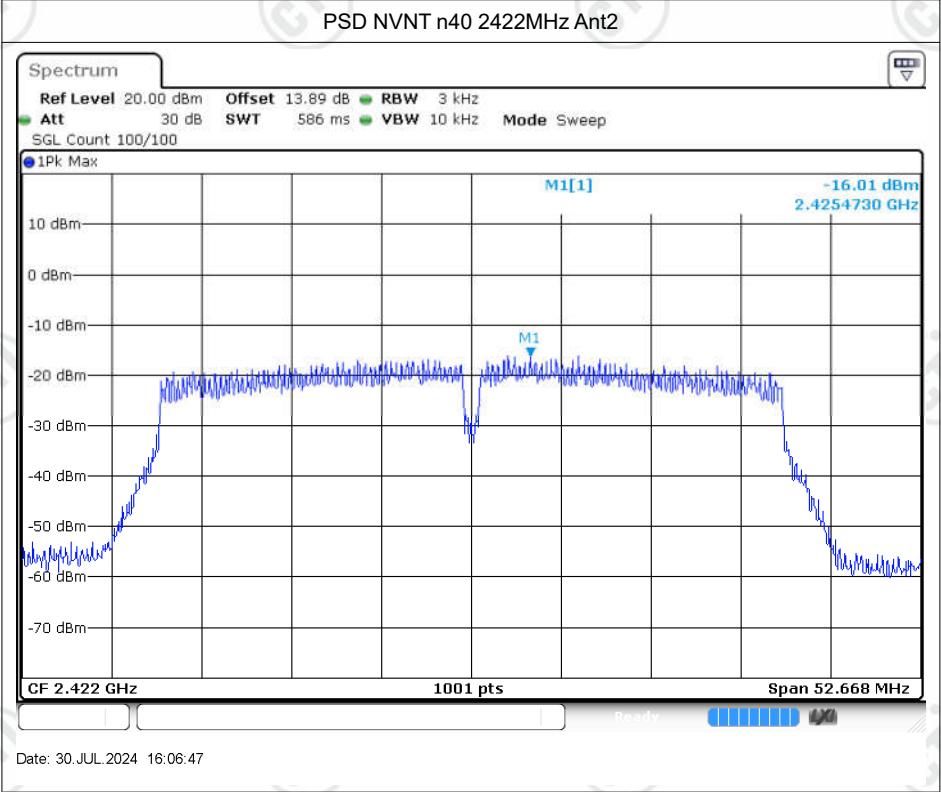
Date: 26 JUL 2024 10:13:06



Date: 26 JUL 2024 10:15:37

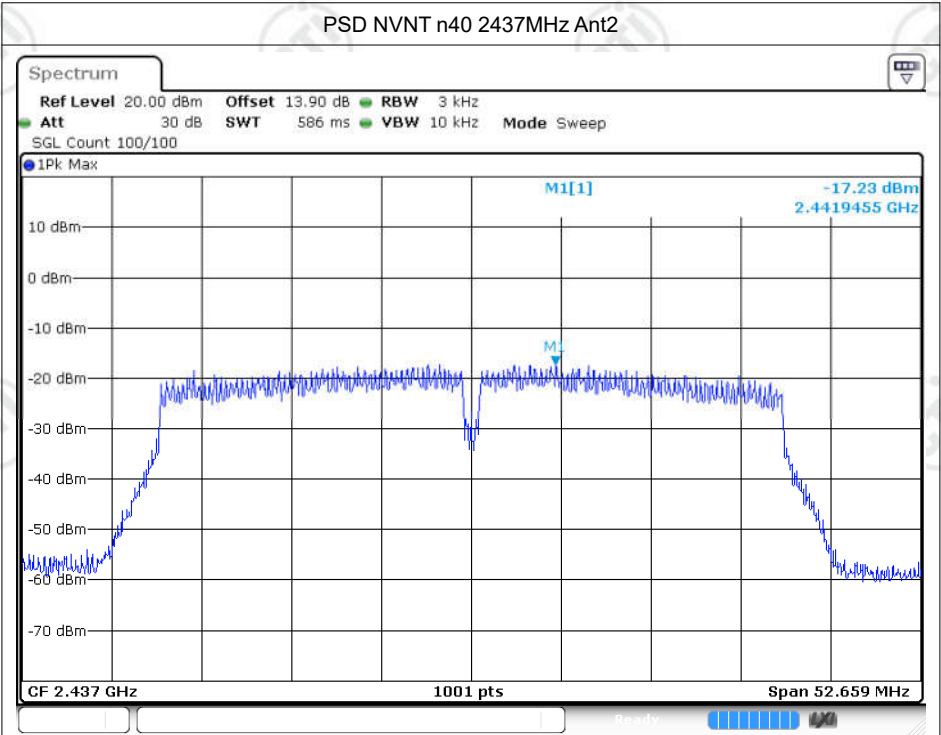


Date: 26 JUL 2024 10:18:09

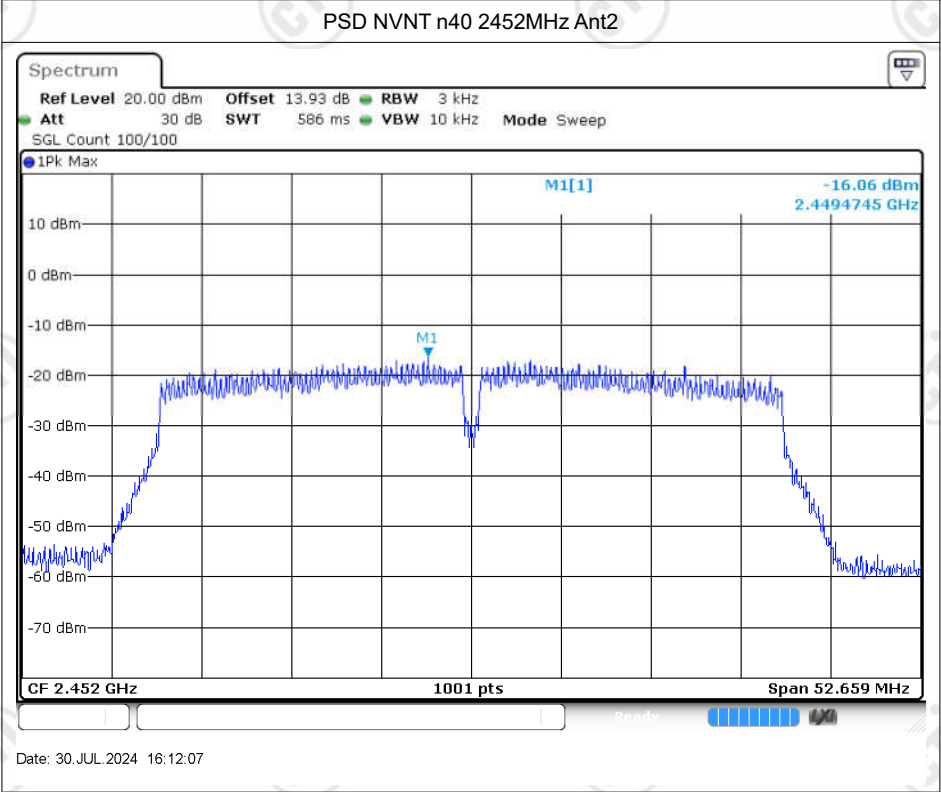


Date: 30 JUL 2024 16:06:47





Date: 30 JUL 2024 16:09:14



Date: 30 JUL 2024 16:12:07