

## Appendix: 2.4G Wi-Fi

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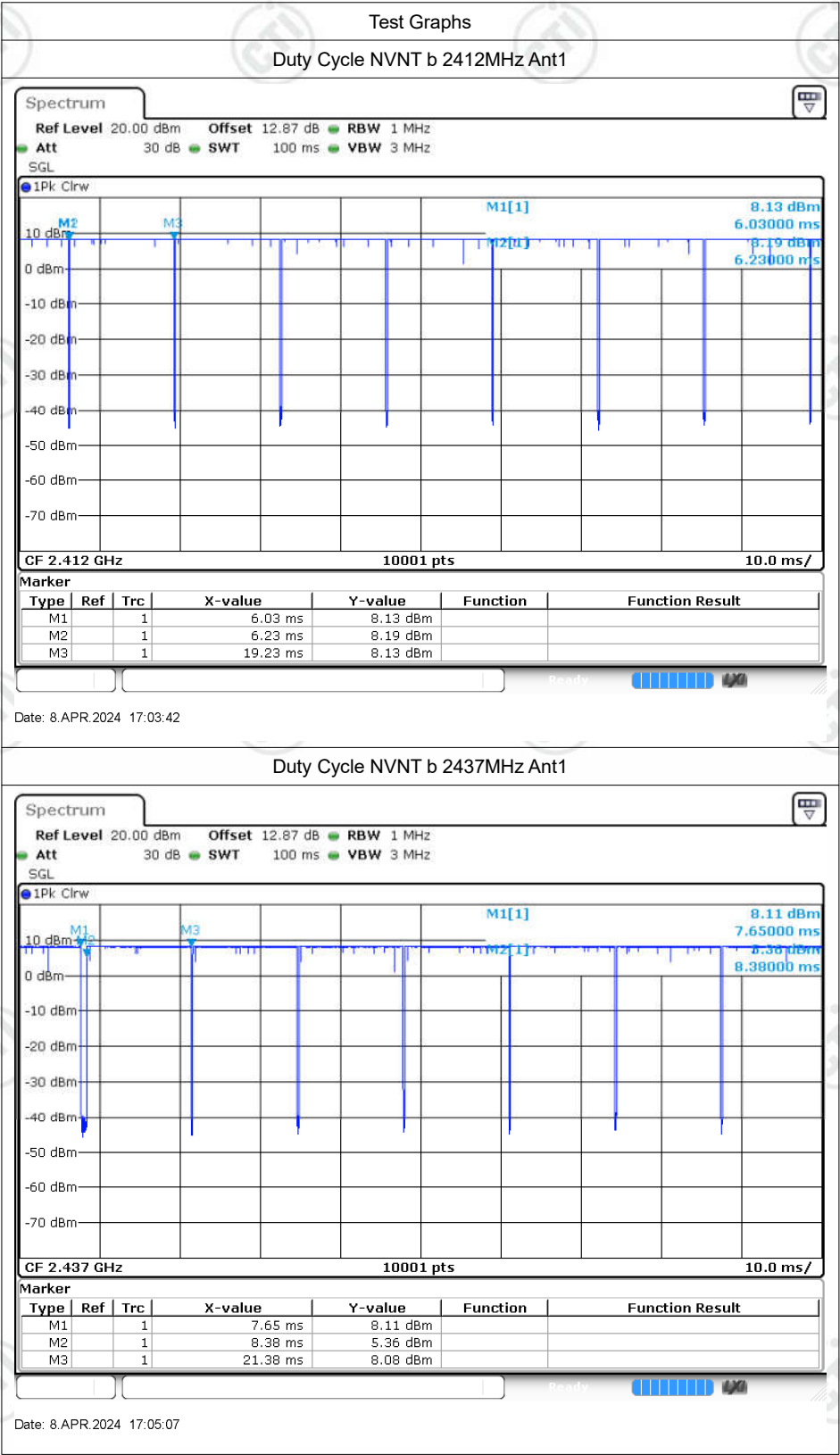
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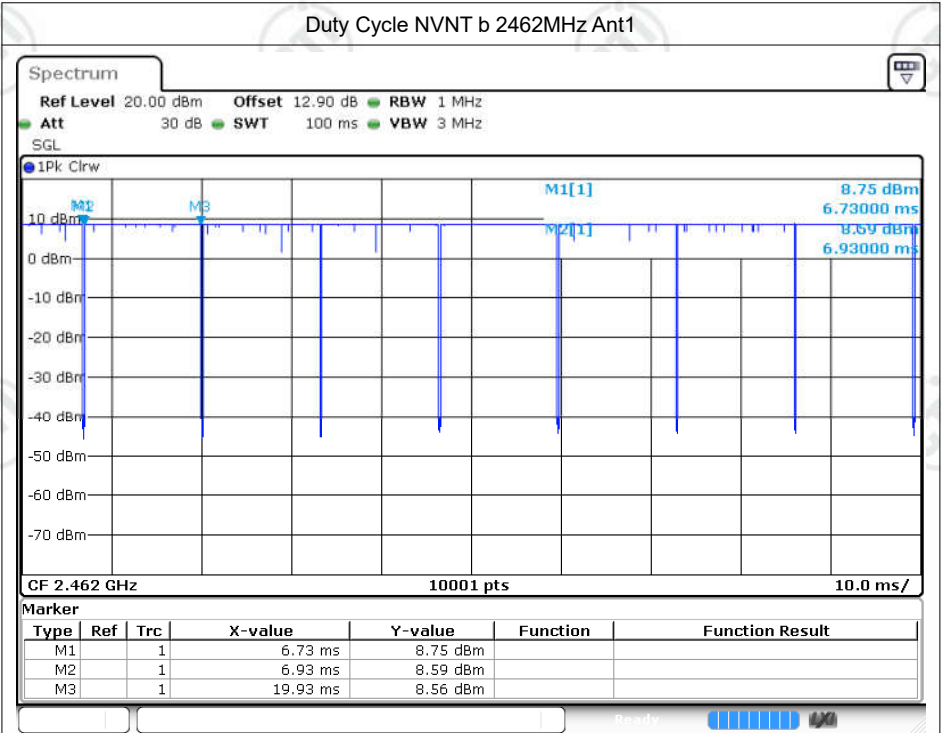
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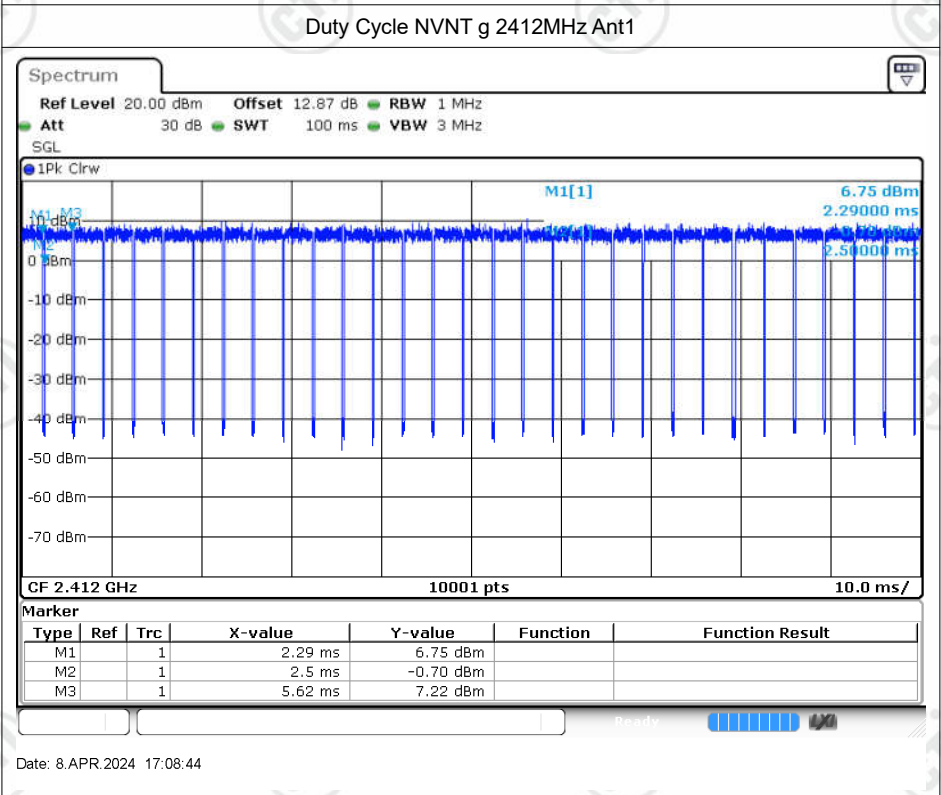
Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|-----------------------------------|-----------|
| NVNT      | b    | 2412            | Ant1    | 98.48          | 0                                 | 0.08      |
| NVNT      | b    | 2437            | Ant1    | 94.68          | 0.24                              | 0.08      |
| NVNT      | b    | 2462            | Ant1    | 98.48          | 0                                 | 0.08      |
| NVNT      | g    | 2412            | Ant1    | 93.69          | 0.28                              | 0.32      |
| NVNT      | g    | 2437            | Ant1    | 93.94          | 0.27                              | 0.32      |
| NVNT      | g    | 2462            | Ant1    | 93.99          | 0.27                              | 0.32      |
| NVNT      | n20  | 2412            | Ant1    | 93.23          | 0.3                               | 0.35      |
| NVNT      | n20  | 2437            | Ant1    | 92.92          | 0.32                              | 0.37      |
| NVNT      | n20  | 2462            | Ant1    | 92.86          | 0.32                              | 0.38      |
| NVNT      | ax20 | 2412            | Ant1    | 91.78          | 0.37                              | 0.45      |
| NVNT      | ax20 | 2437            | Ant1    | 90.37          | 0.44                              | 0.51      |
| NVNT      | ax20 | 2462            | Ant1    | 91.95          | 0.36                              | 0.42      |

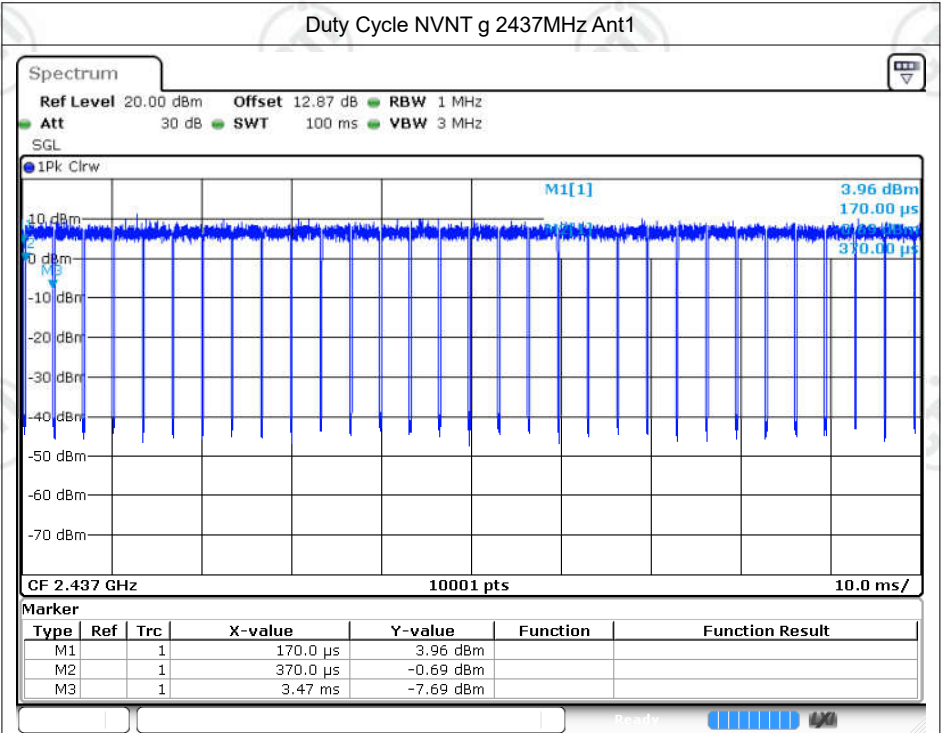




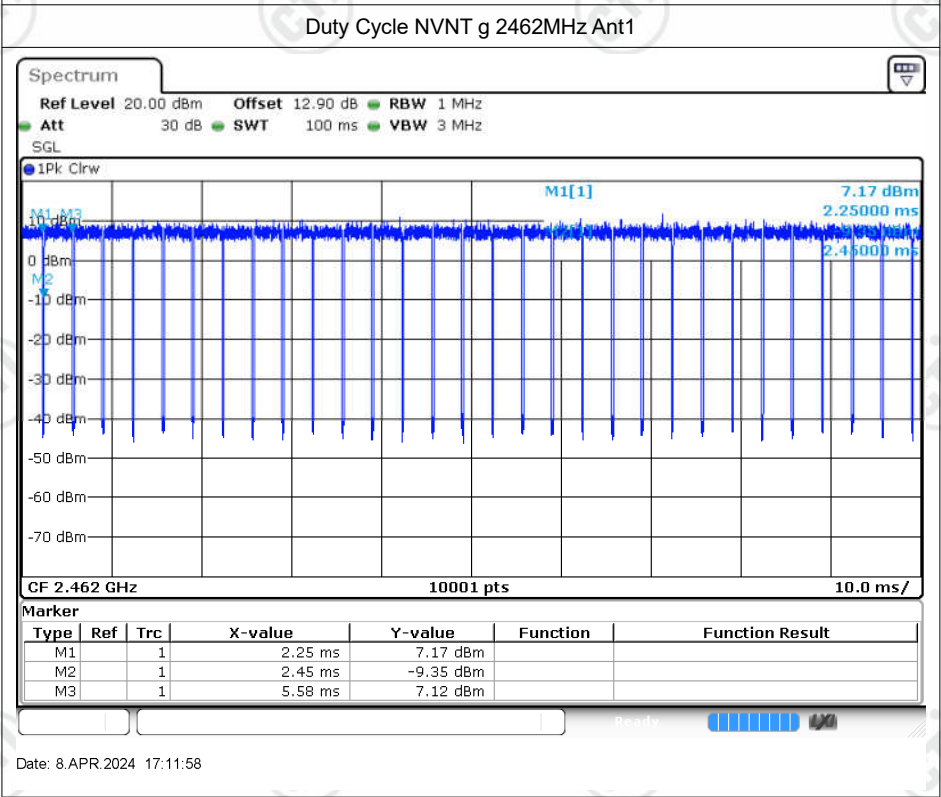
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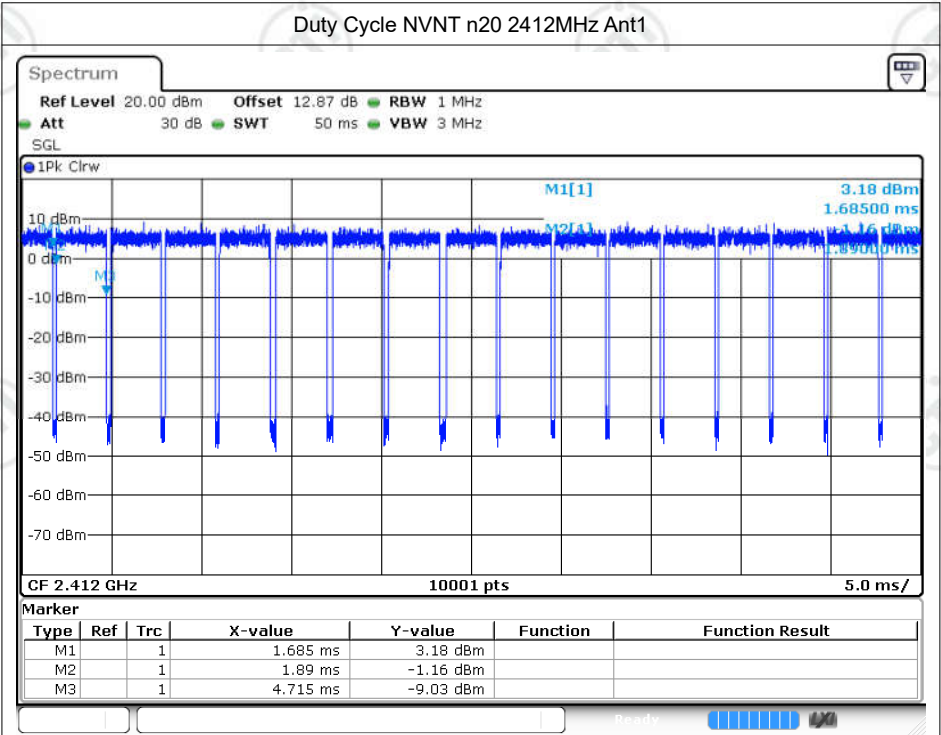
Date: 8.APR.2024 17:08:44



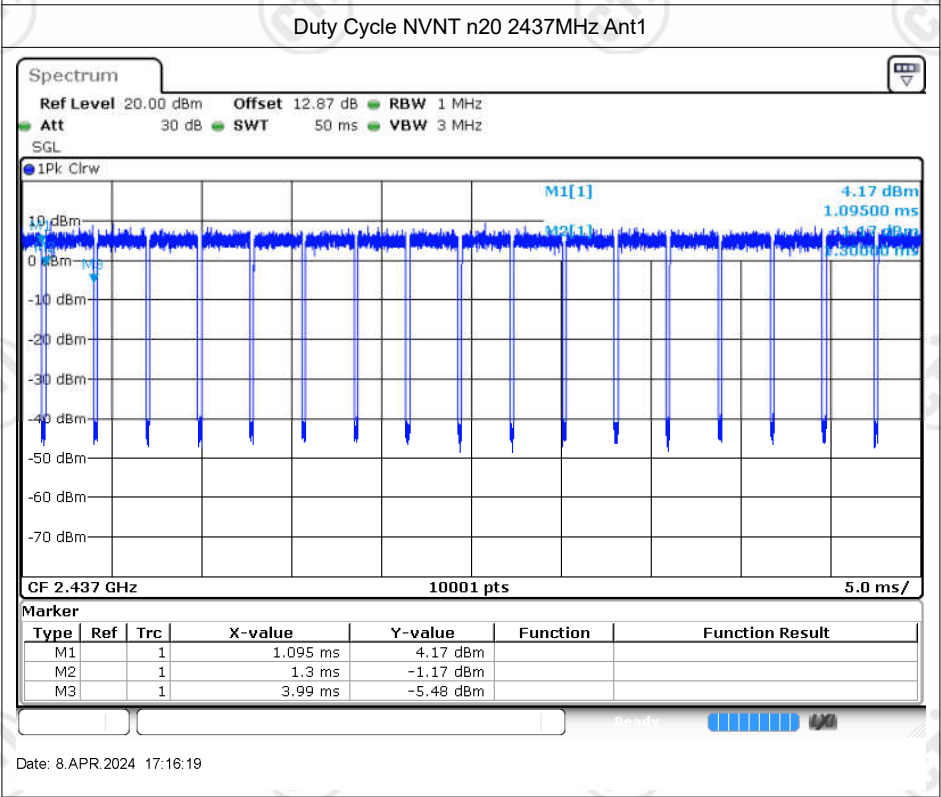
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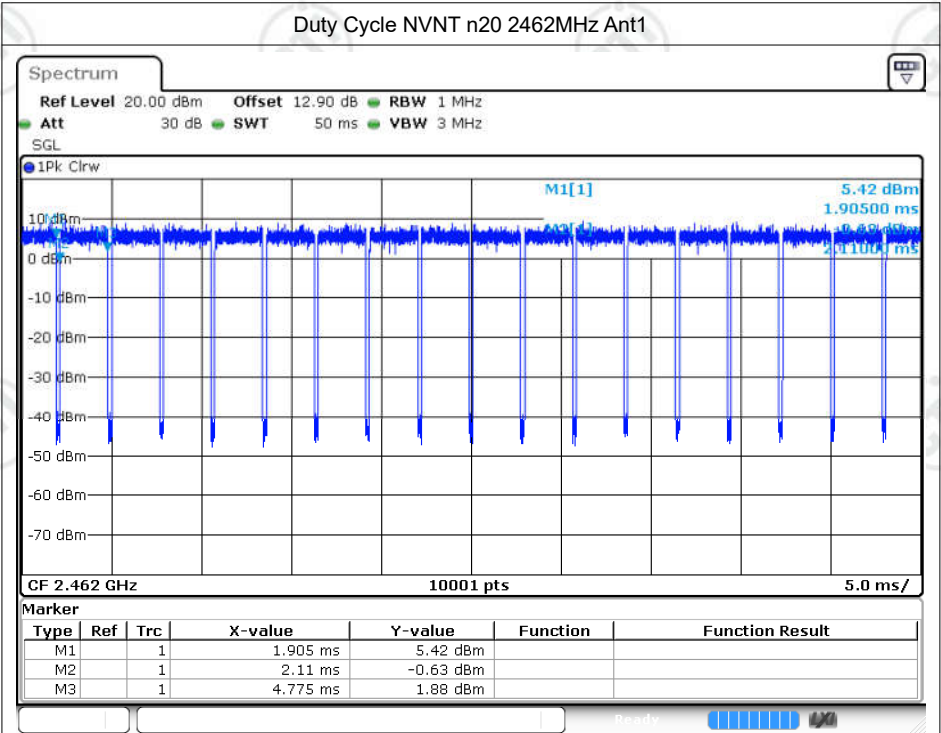
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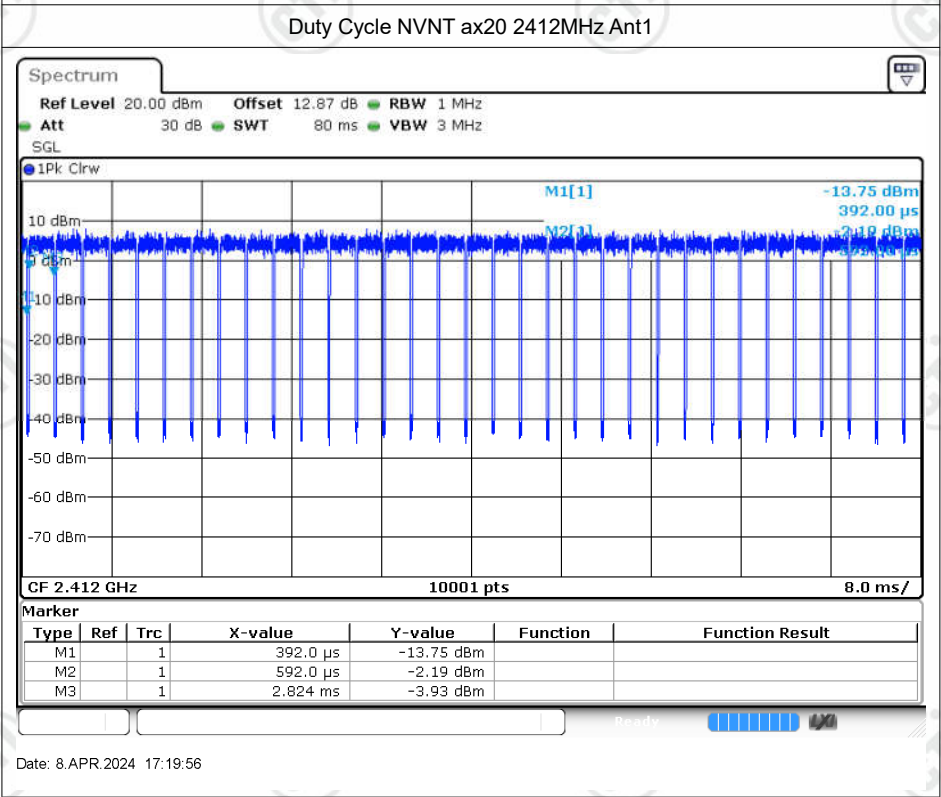
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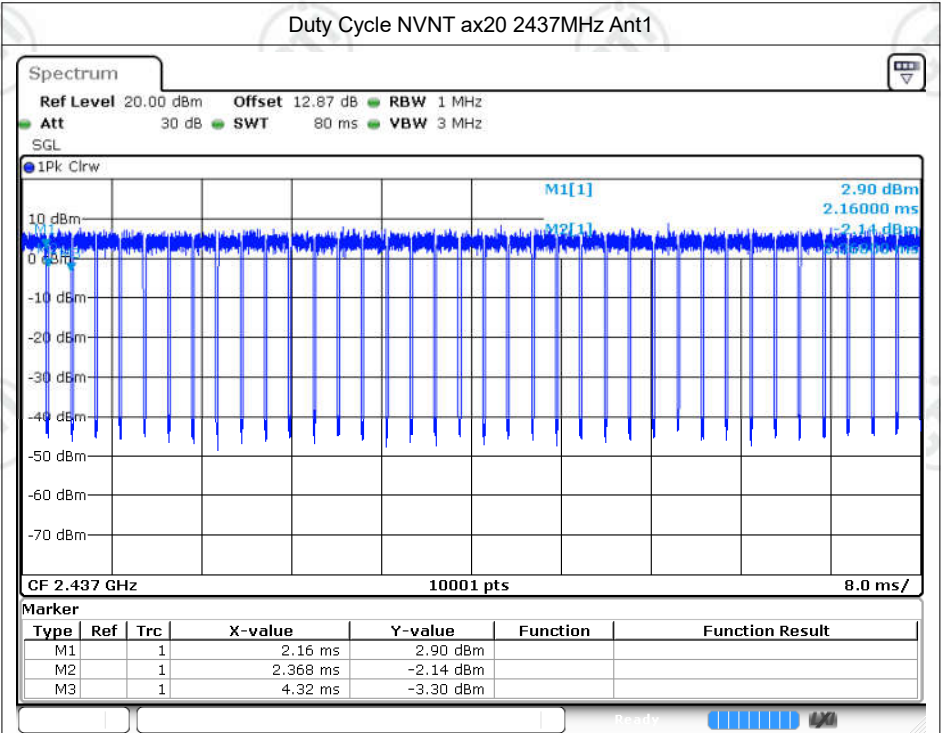
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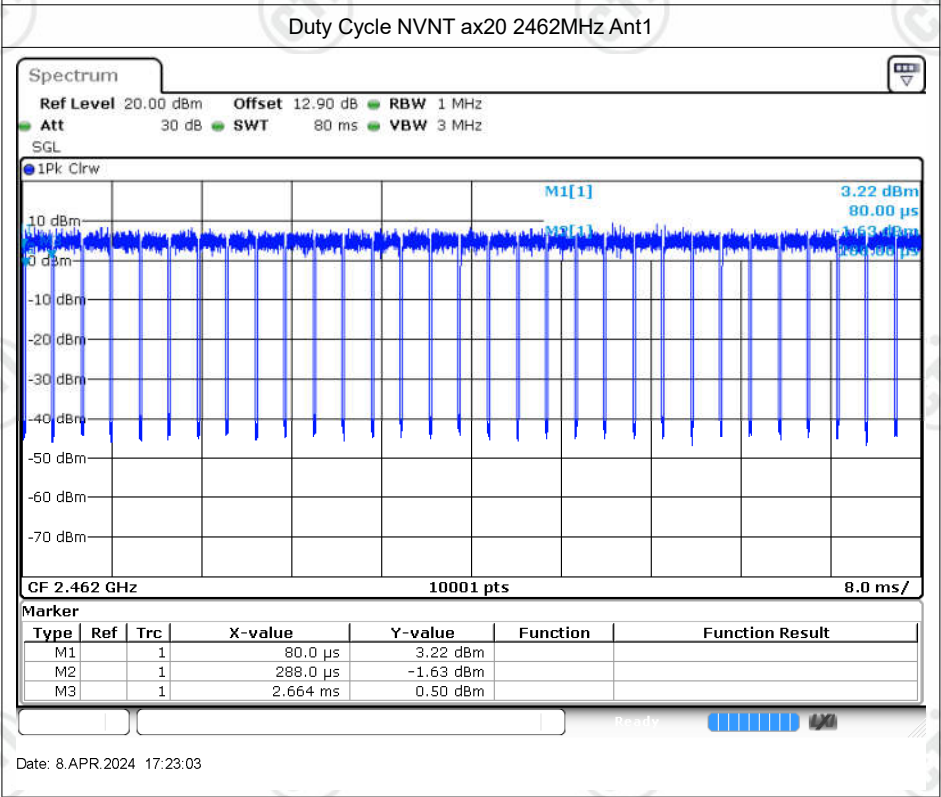
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Date: 8.APR.2024 17:21:27



Date: 8.APR.2024 17:23:03

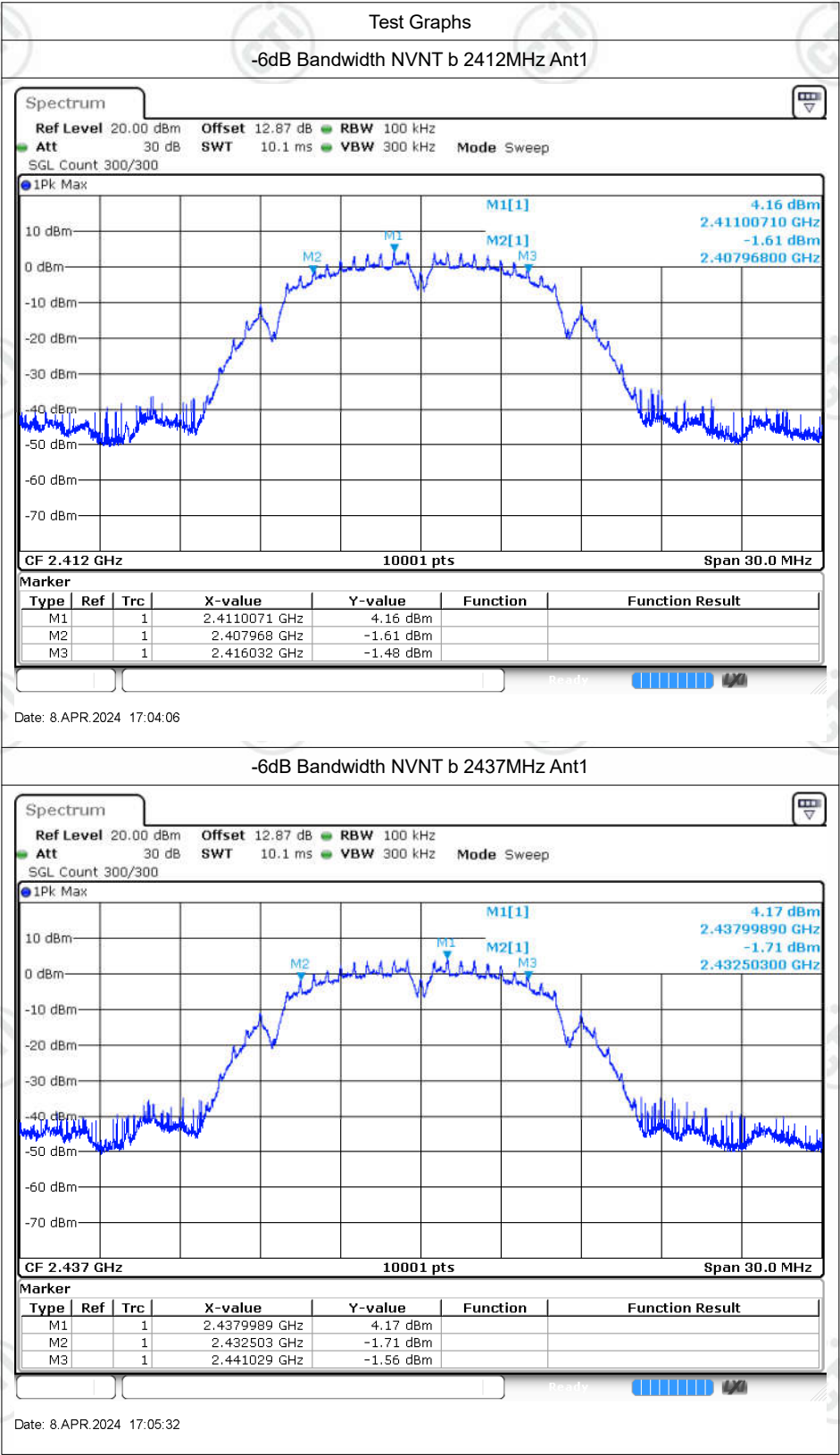
Maximum Peak Conducted Output Power

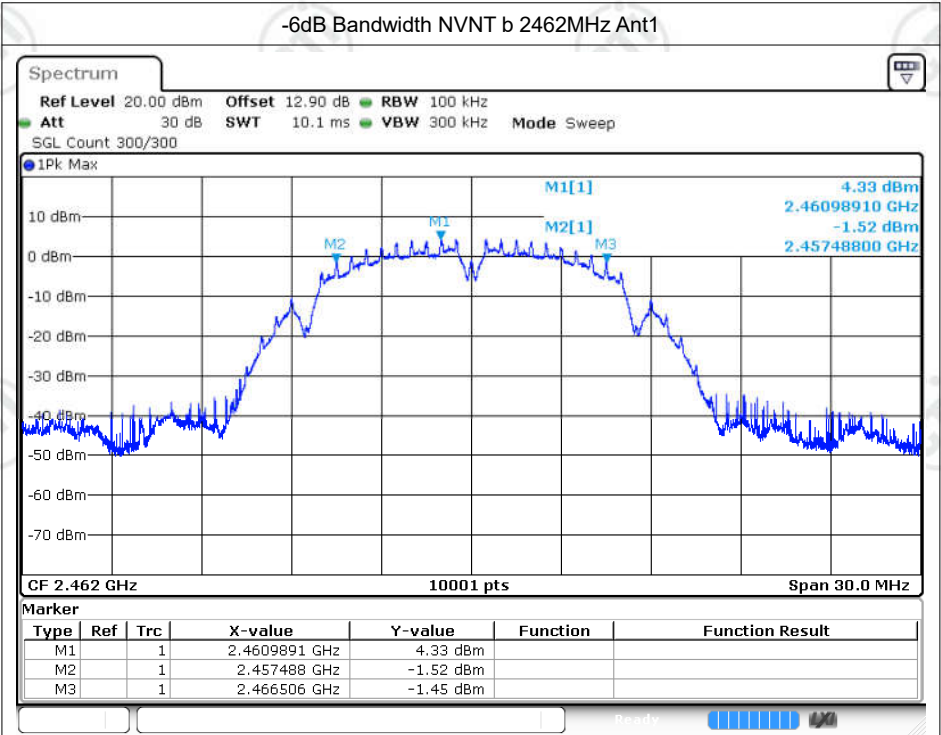
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | 14.6                  | 30          | Pass    |
| NVNT      | b    | 2437            | Ant1    | 14.61                 | 30          | Pass    |
| NVNT      | b    | 2462            | Ant1    | 14.78                 | 30          | Pass    |
| NVNT      | g    | 2412            | Ant1    | 13.34                 | 30          | Pass    |
| NVNT      | g    | 2437            | Ant1    | 13.34                 | 30          | Pass    |
| NVNT      | g    | 2462            | Ant1    | 13.64                 | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 12.47                 | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 12.41                 | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 12.7                  | 30          | Pass    |
| NVNT      | ax20 | 2412            | Ant1    | 10.52                 | 30          | Pass    |
| NVNT      | ax20 | 2437            | Ant1    | 10.48                 | 30          | Pass    |
| NVNT      | ax20 | 2462            | Ant1    | 10.78                 | 30          | Pass    |

Note:Conducted Power has been added Duty Cycle Correction Factor.

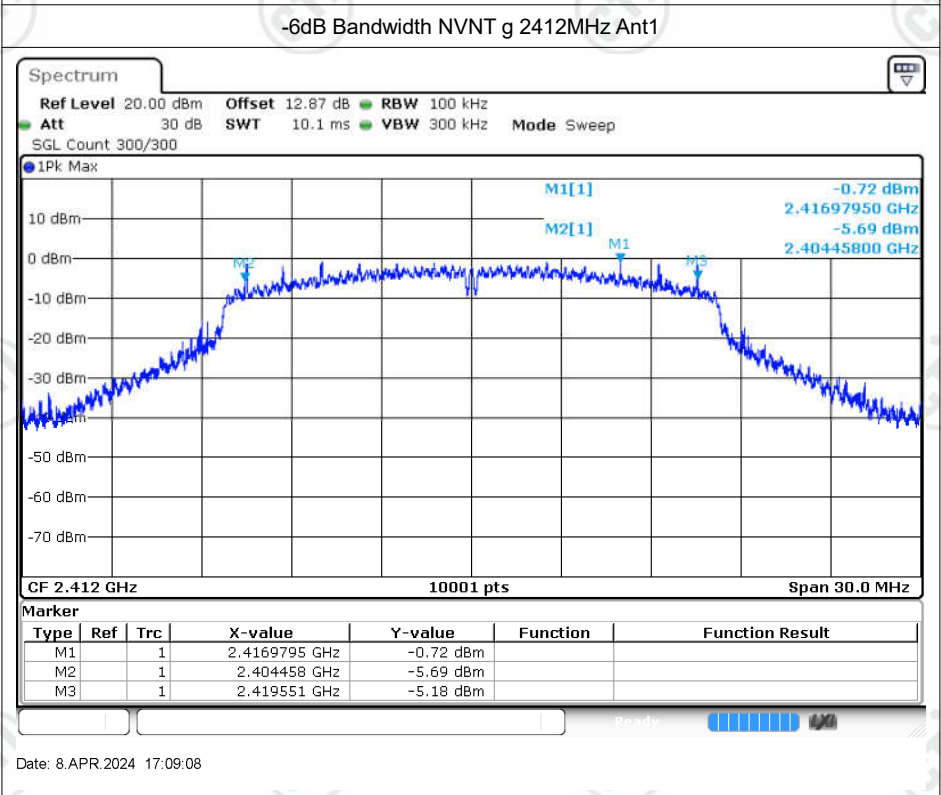
-6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 8.064                 | 0.5                         | Pass    |
| NVNT      | b    | 2437            | Ant1    | 8.526                 | 0.5                         | Pass    |
| NVNT      | b    | 2462            | Ant1    | 9.018                 | 0.5                         | Pass    |
| NVNT      | g    | 2412            | Ant1    | 15.093                | 0.5                         | Pass    |
| NVNT      | g    | 2437            | Ant1    | 15.117                | 0.5                         | Pass    |
| NVNT      | g    | 2462            | Ant1    | 15.165                | 0.5                         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 15.15                 | 0.5                         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 15.18                 | 0.5                         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 15.12                 | 0.5                         | Pass    |
| NVNT      | ax20 | 2412            | Ant1    | 15.138                | 0.5                         | Pass    |
| NVNT      | ax20 | 2437            | Ant1    | 15.153                | 0.5                         | Pass    |
| NVNT      | ax20 | 2462            | Ant1    | 15.09                 | 0.5                         | Pass    |

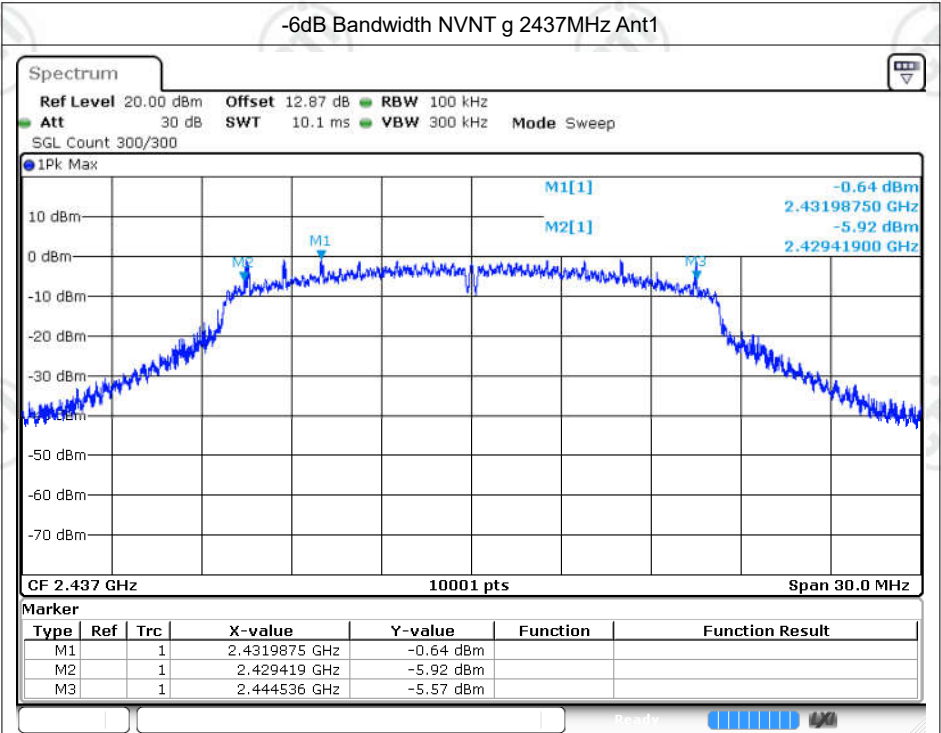




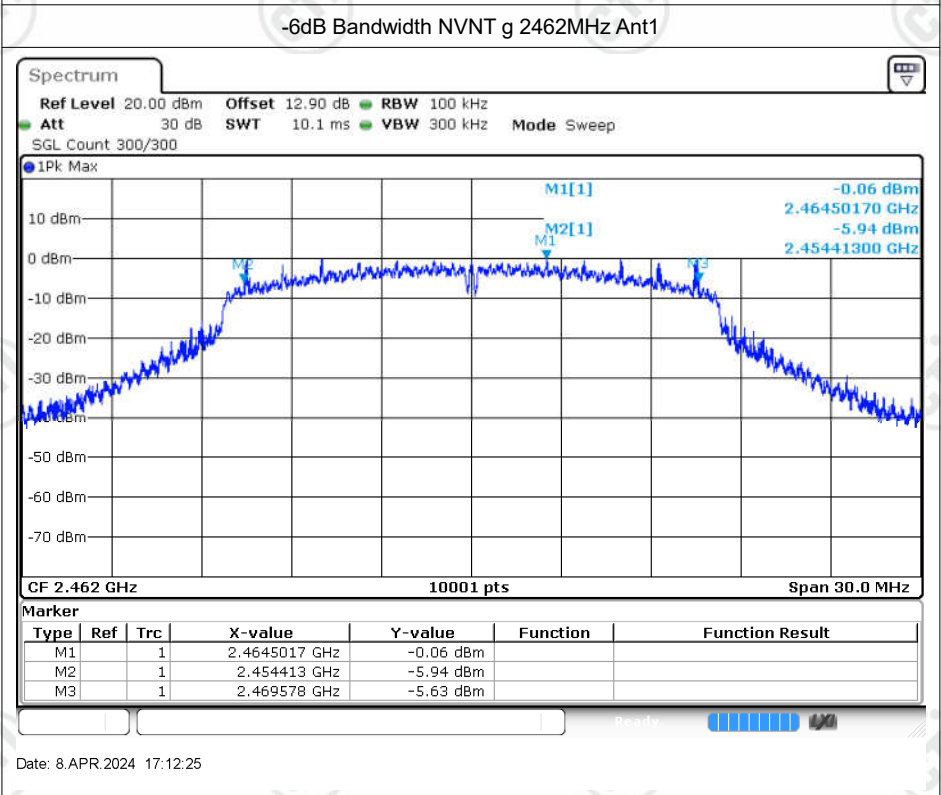
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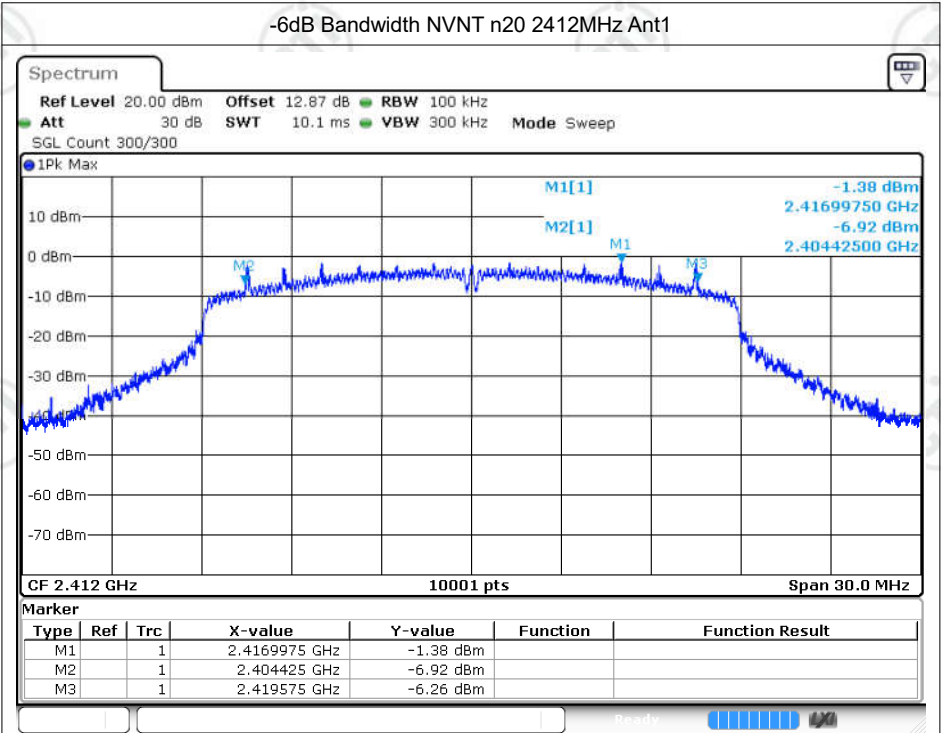
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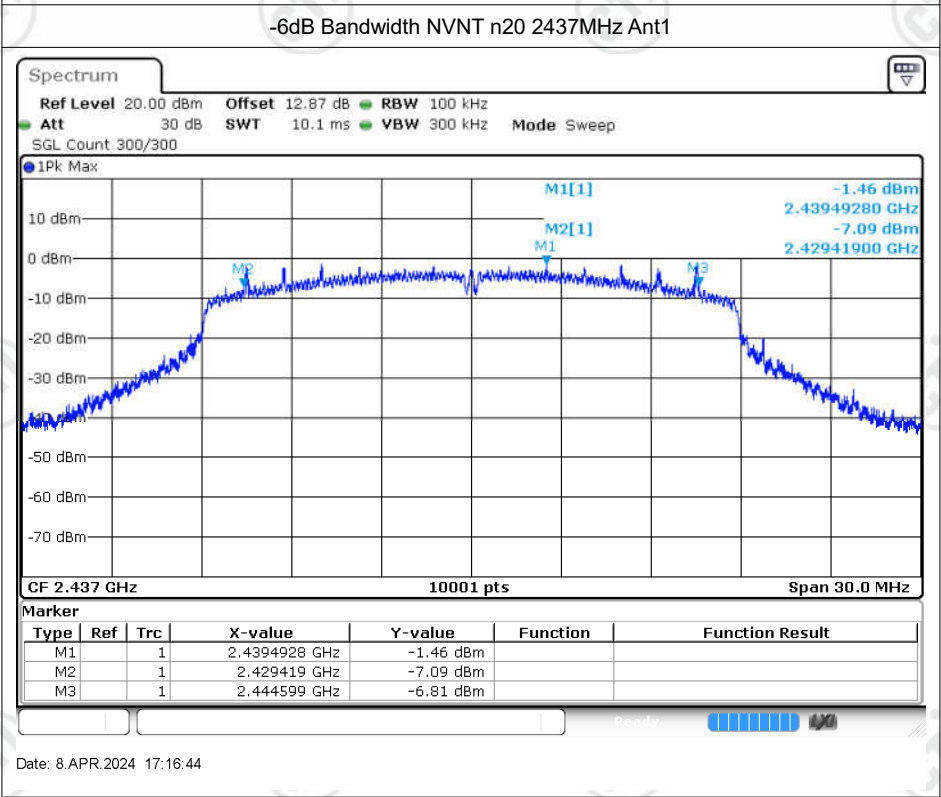
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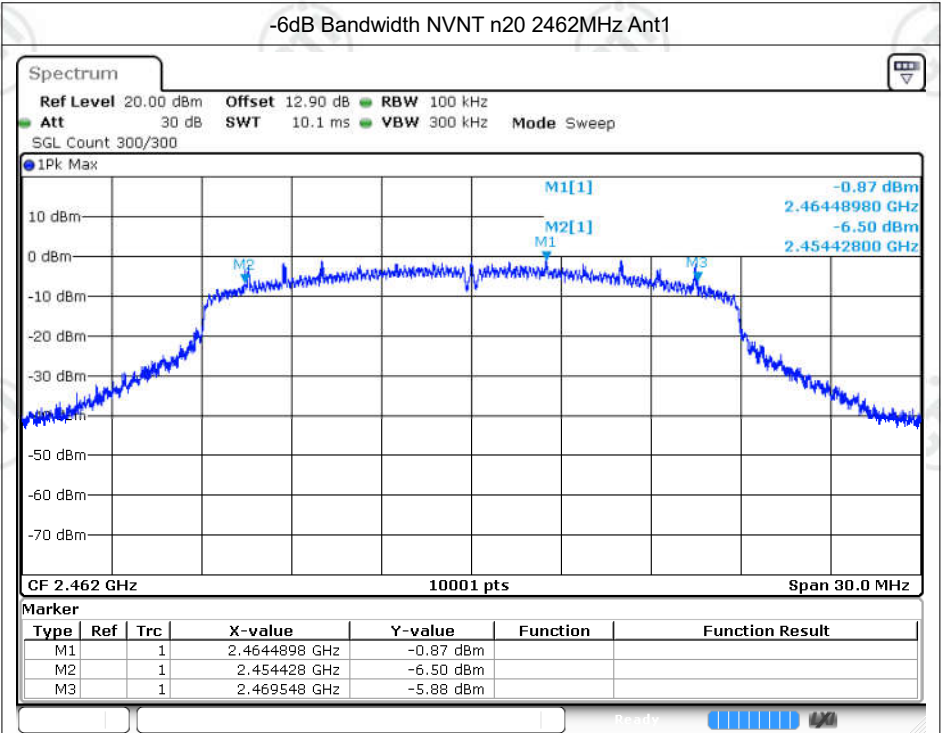
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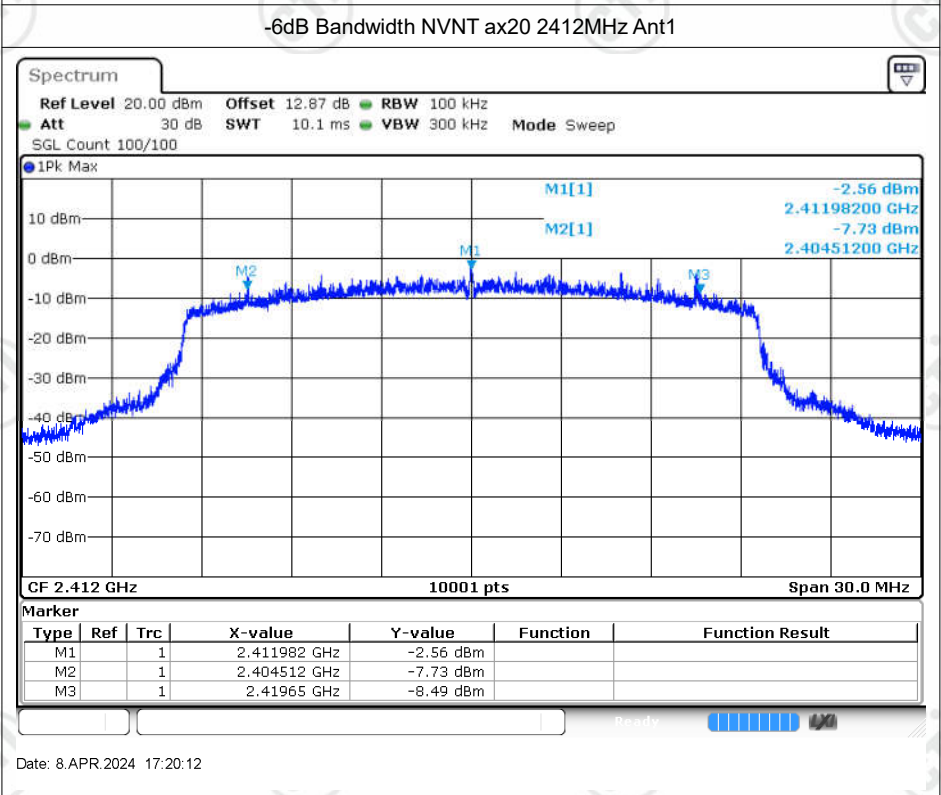
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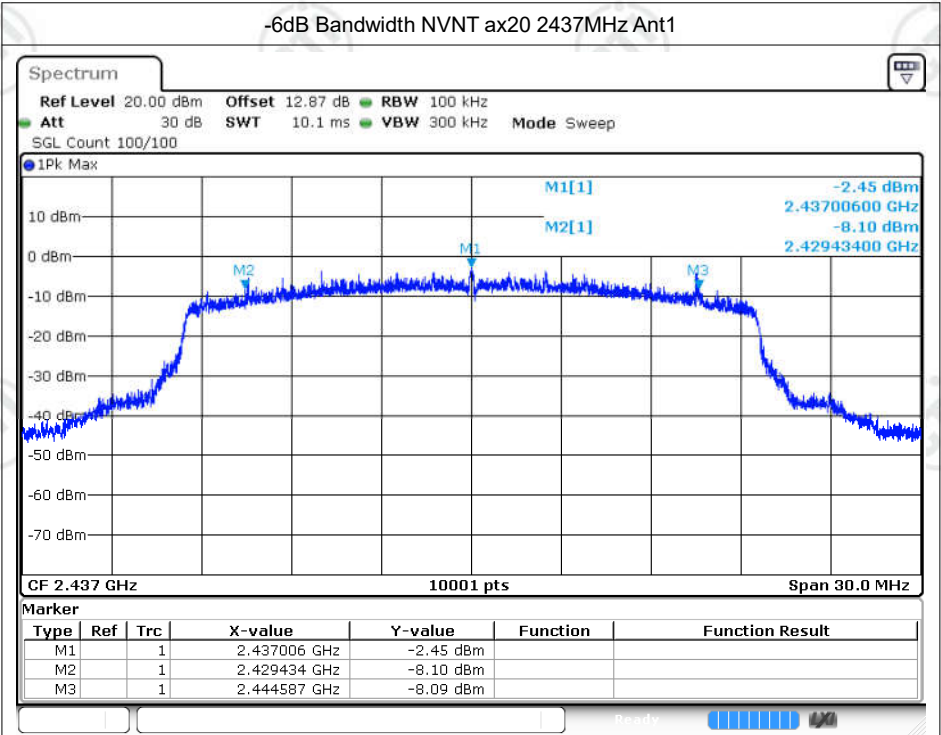
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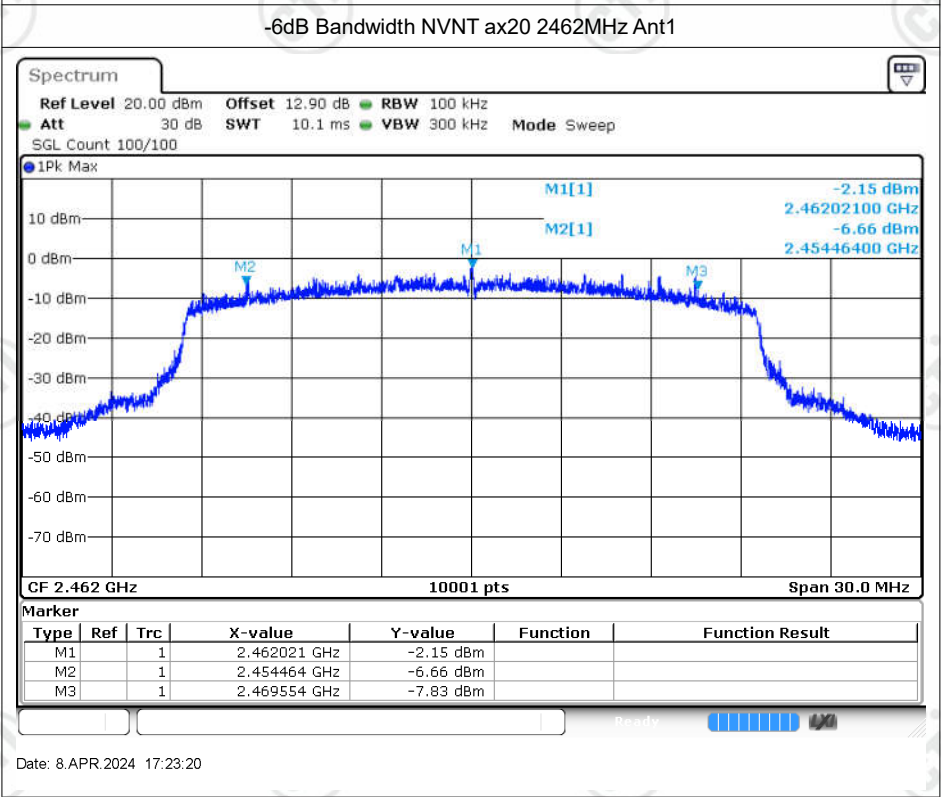
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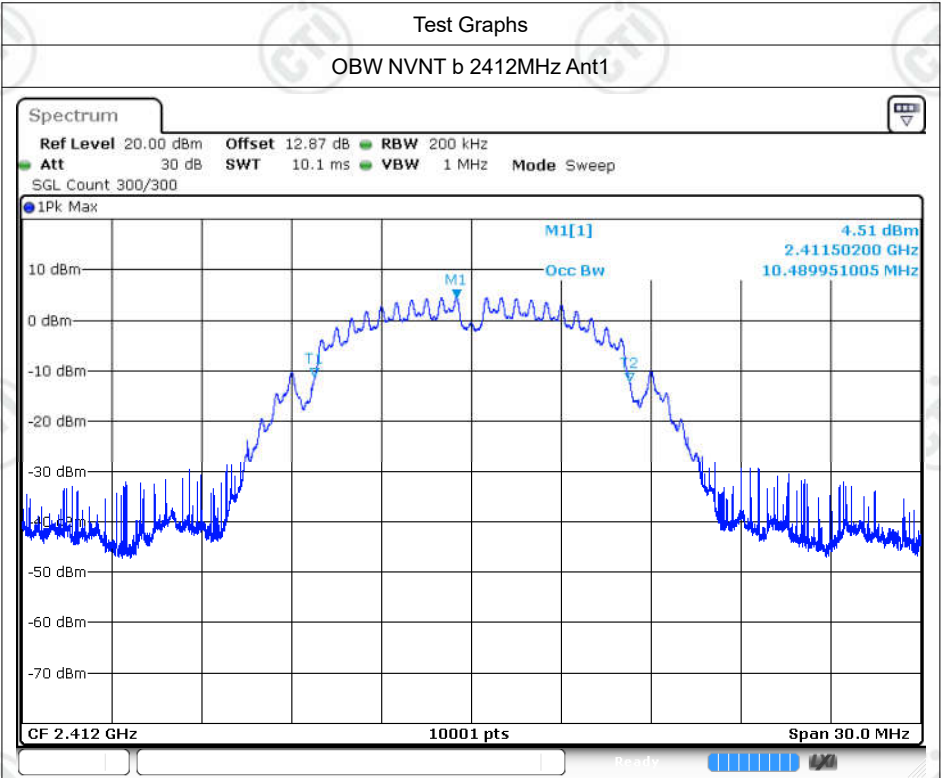
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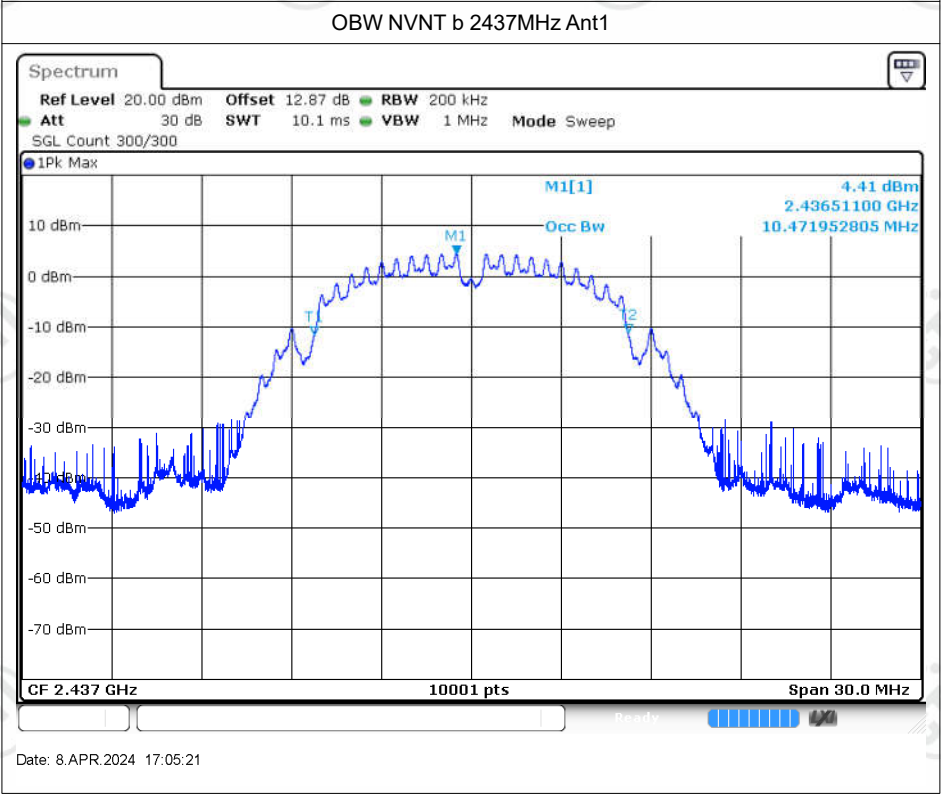
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Occupied Channel Bandwidth

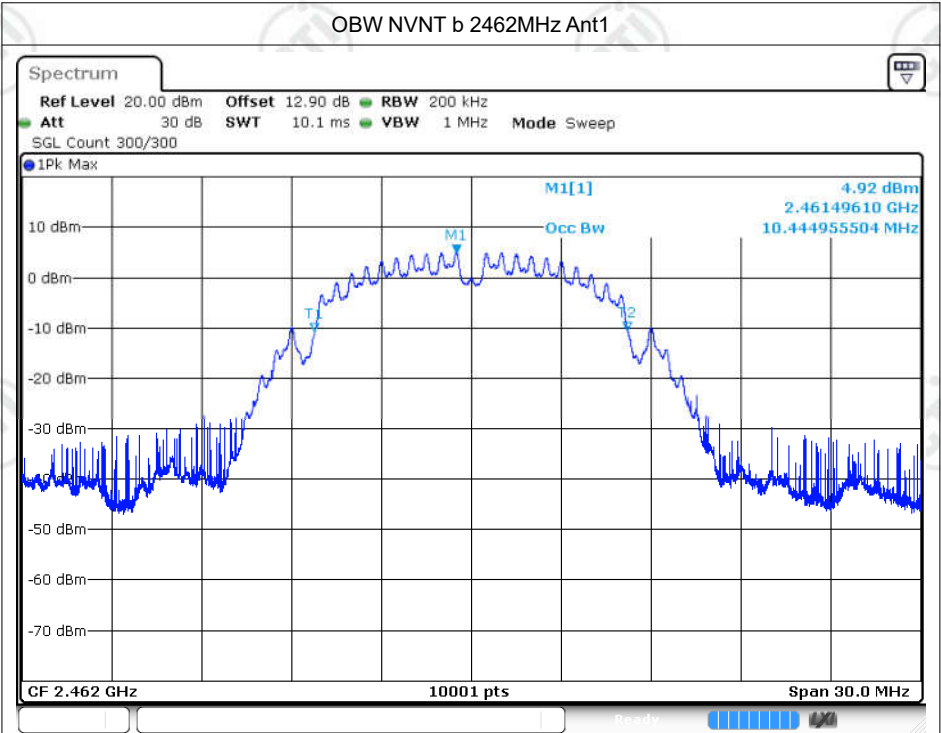
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | b    | 2412            | Ant1    | 10.49         |
| NVNT      | b    | 2437            | Ant1    | 10.472        |
| NVNT      | b    | 2462            | Ant1    | 10.445        |
| NVNT      | g    | 2412            | Ant1    | 16.309        |
| NVNT      | g    | 2437            | Ant1    | 16.339        |
| NVNT      | g    | 2462            | Ant1    | 16.339        |
| NVNT      | n20  | 2412            | Ant1    | 17.344        |
| NVNT      | n20  | 2437            | Ant1    | 17.344        |
| NVNT      | n20  | 2462            | Ant1    | 17.35         |
| NVNT      | ax20 | 2412            | Ant1    | 18.625        |
| NVNT      | ax20 | 2437            | Ant1    | 18.628        |
| NVNT      | ax20 | 2462            | Ant1    | 18.628        |



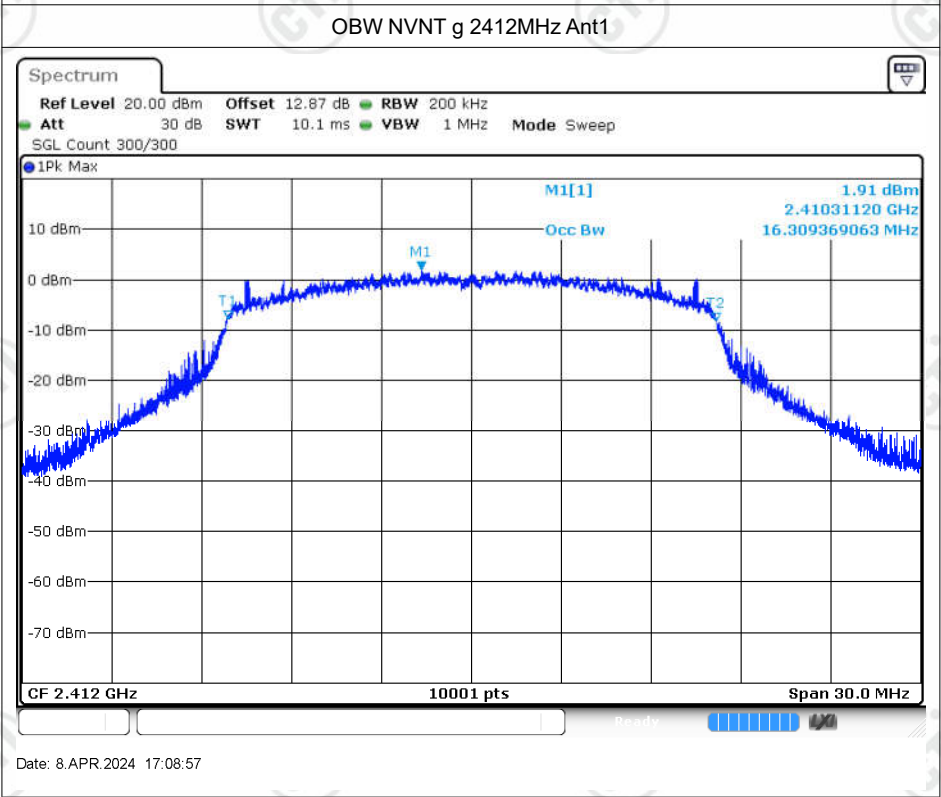
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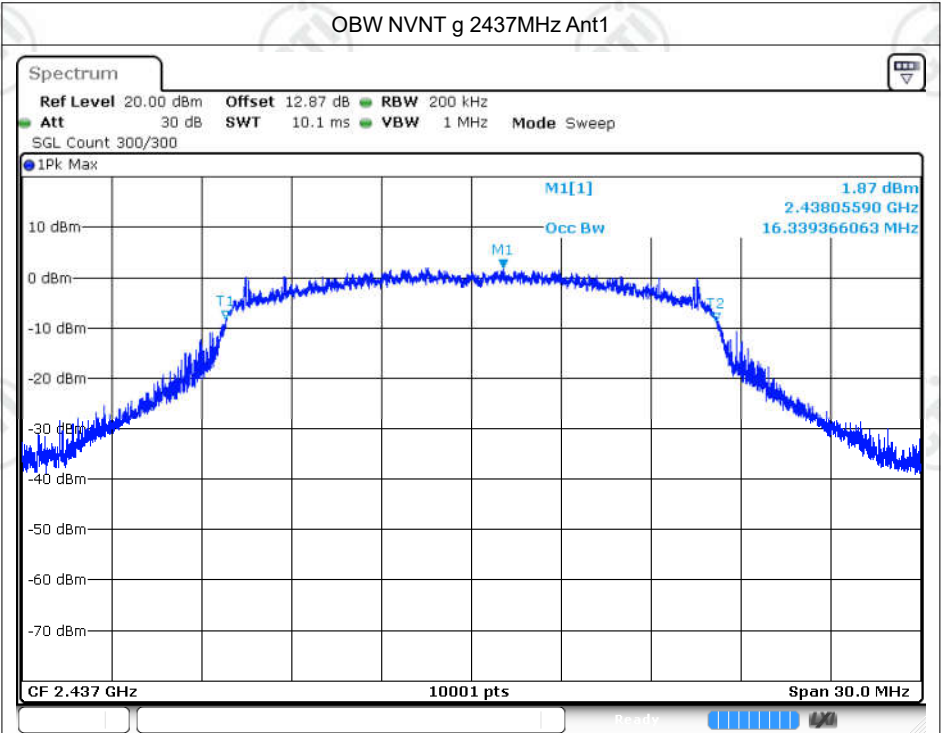
Date: 8.APR.2024 17:05:21



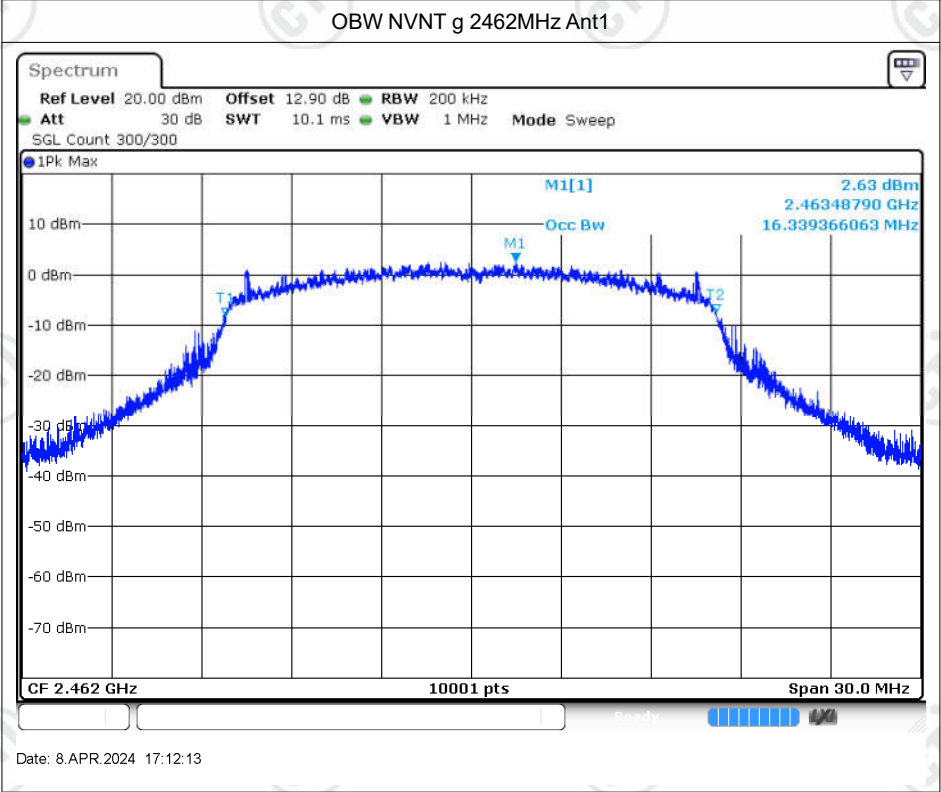
Date: 8.APR.2024 17:07:08



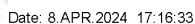
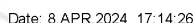
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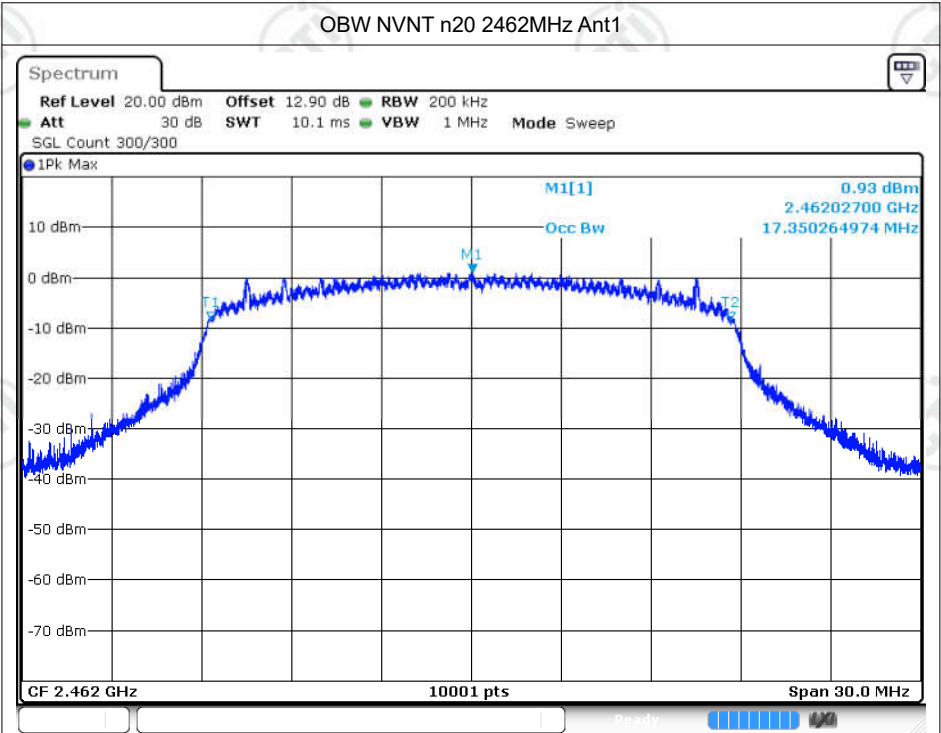


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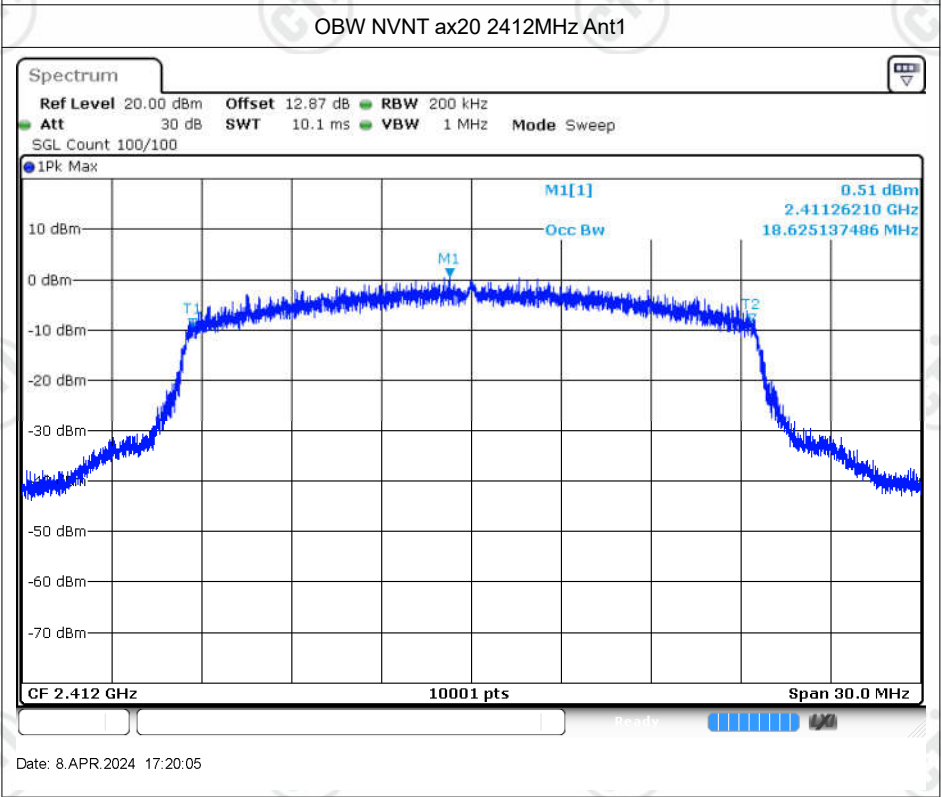


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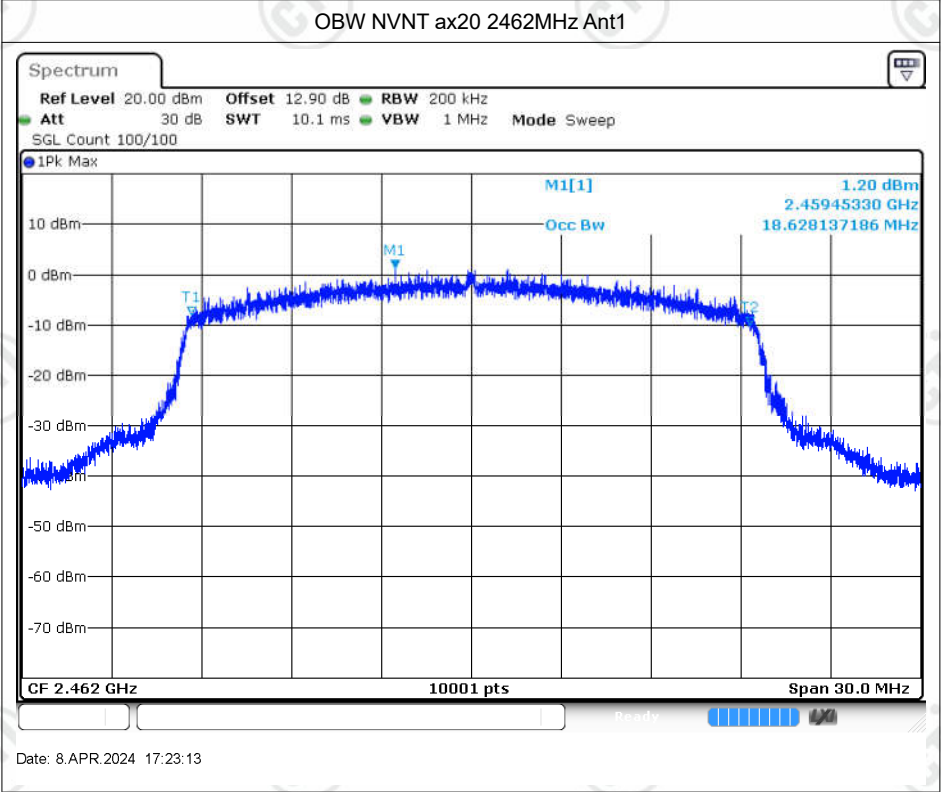
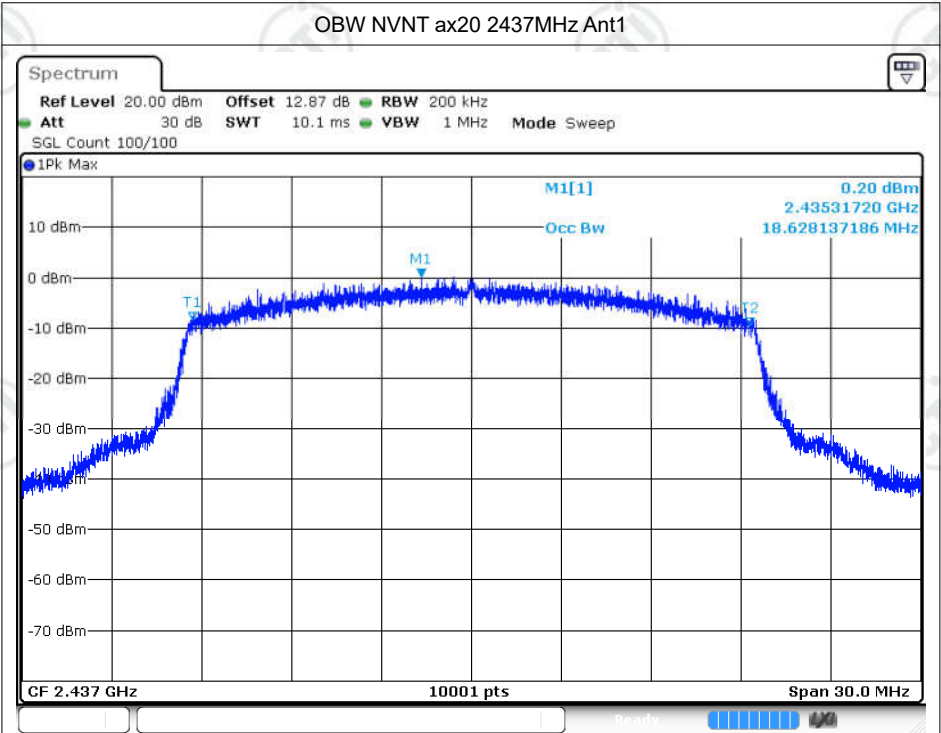




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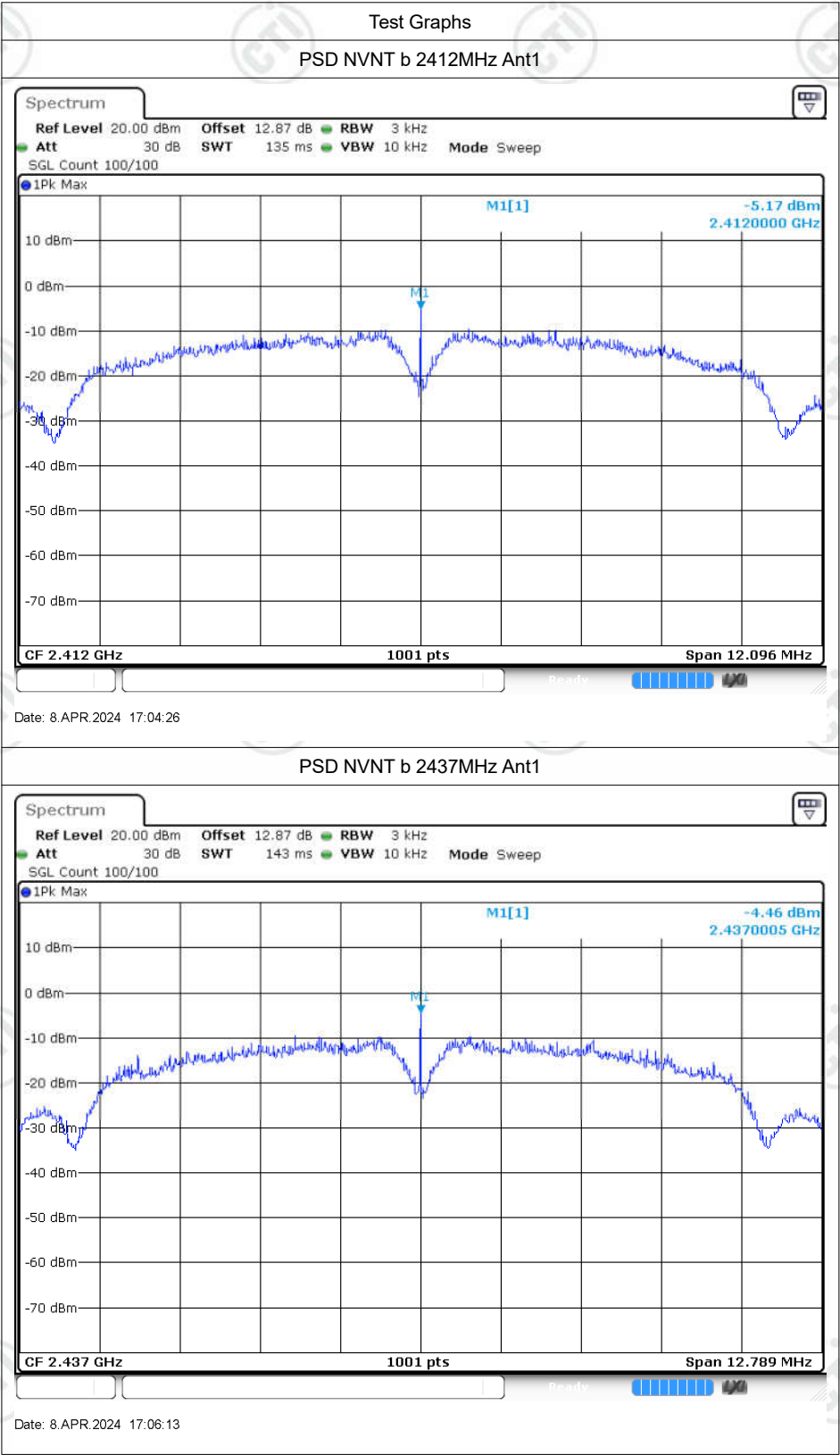


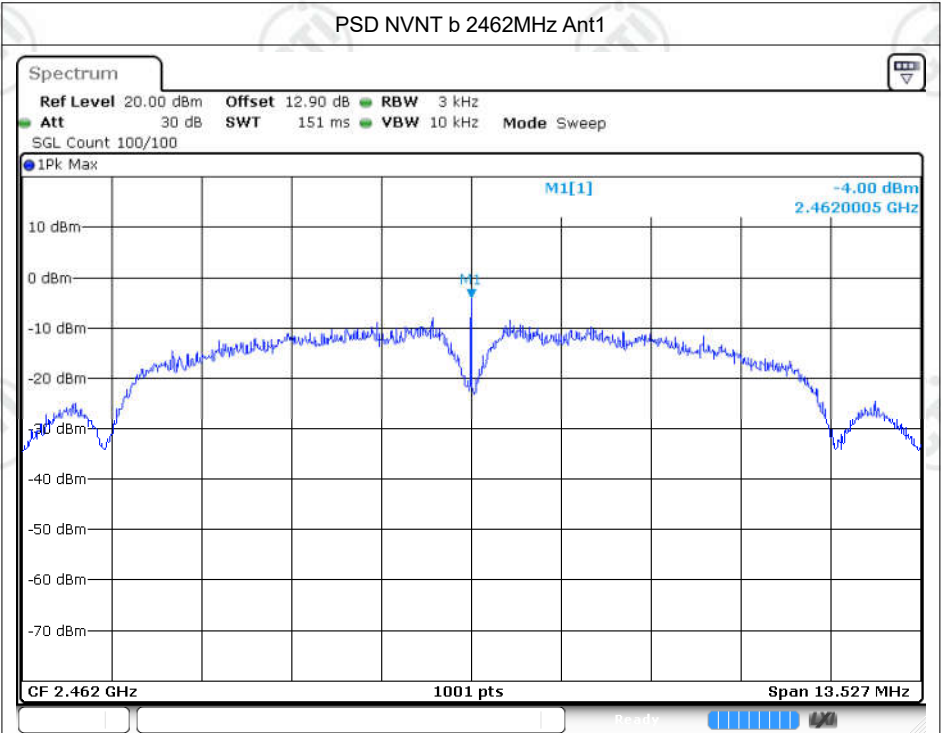
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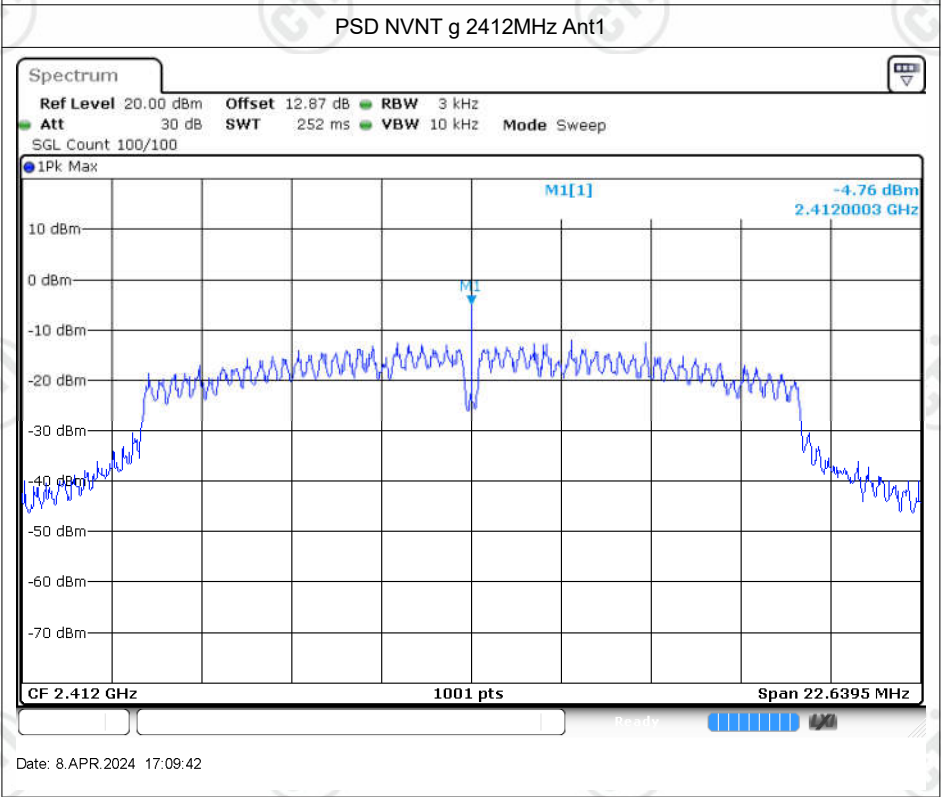
## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|--------------------------|------------------|---------|
| NVNT      | b    | 2412            | Ant1    | -5.17                    | 8                | Pass    |
| NVNT      | b    | 2437            | Ant1    | -4.46                    | 8                | Pass    |
| NVNT      | b    | 2462            | Ant1    | -4                       | 8                | Pass    |
| NVNT      | g    | 2412            | Ant1    | -4.76                    | 8                | Pass    |
| NVNT      | g    | 2437            | Ant1    | -4.69                    | 8                | Pass    |
| NVNT      | g    | 2462            | Ant1    | -3.97                    | 8                | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -4.88                    | 8                | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -4.92                    | 8                | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -4.32                    | 8                | Pass    |
| NVNT      | ax20 | 2412            | Ant1    | -4.89                    | 8                | Pass    |
| NVNT      | ax20 | 2437            | Ant1    | -4.92                    | 8                | Pass    |
| NVNT      | ax20 | 2462            | Ant1    | -4.44                    | 8                | Pass    |

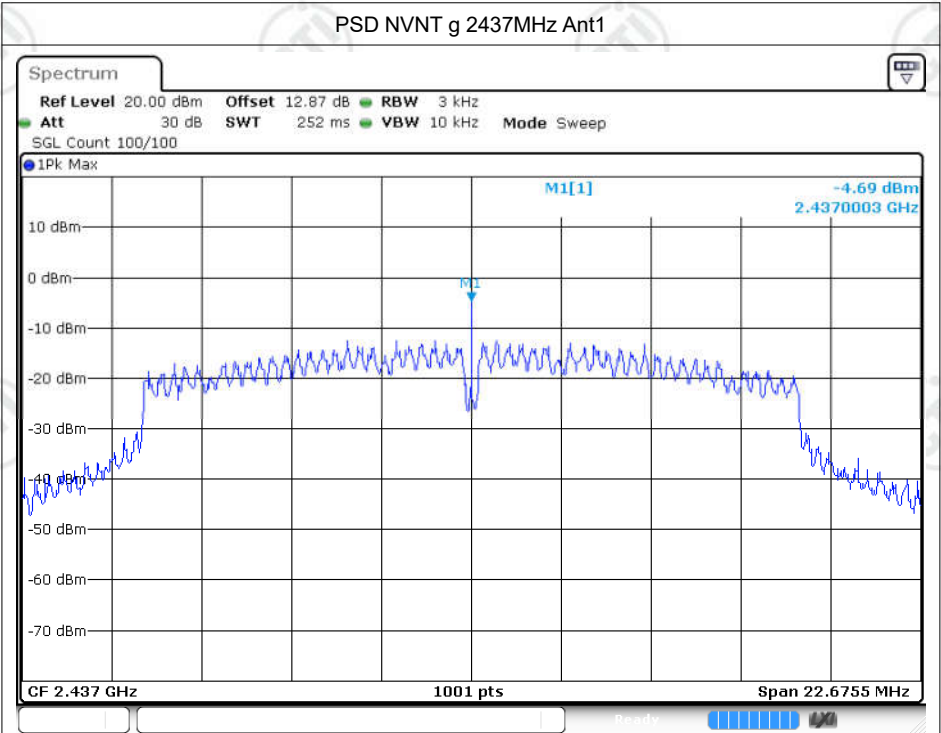




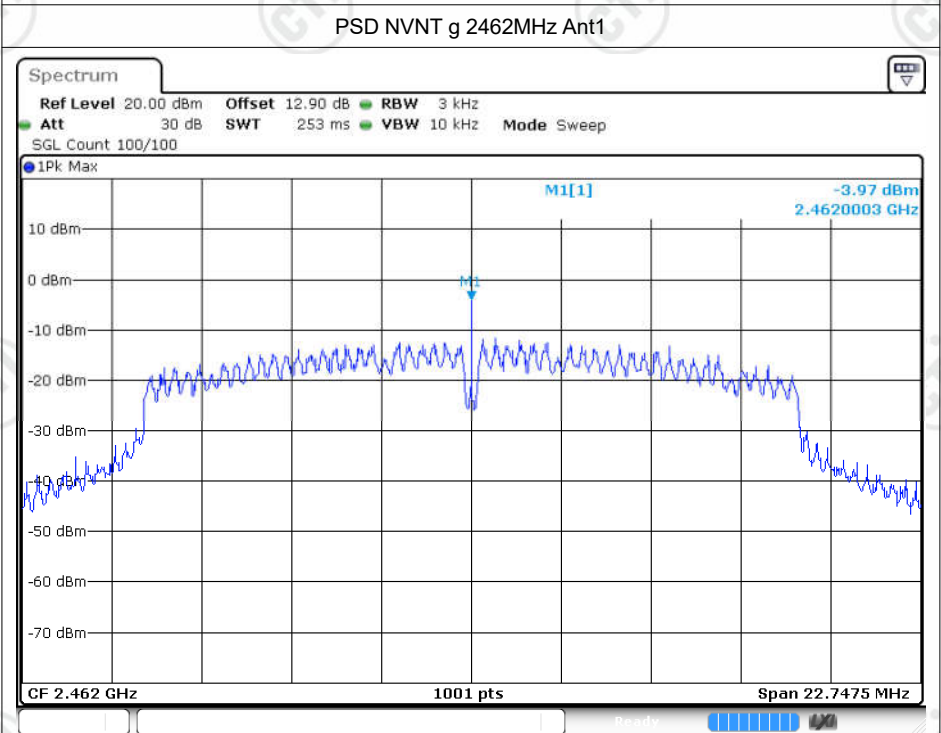
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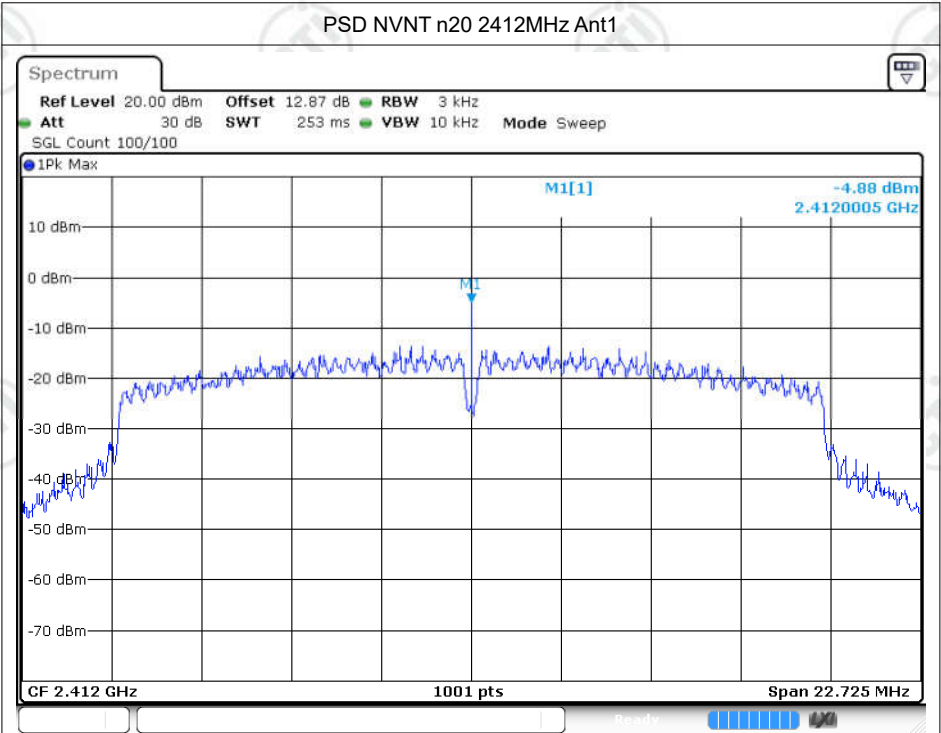
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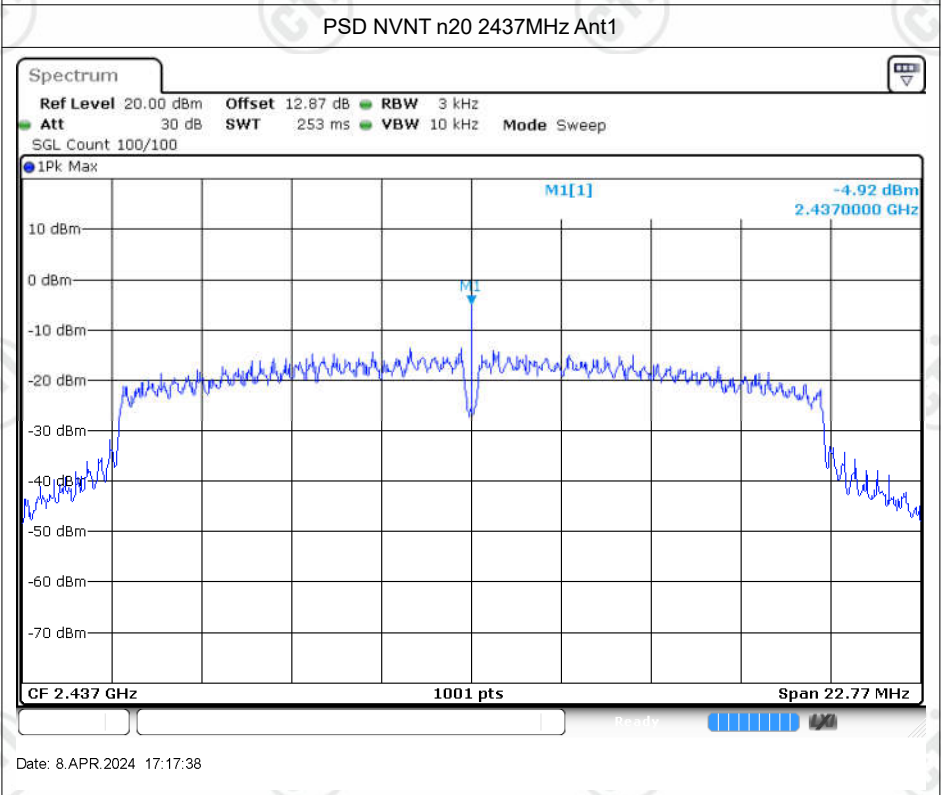
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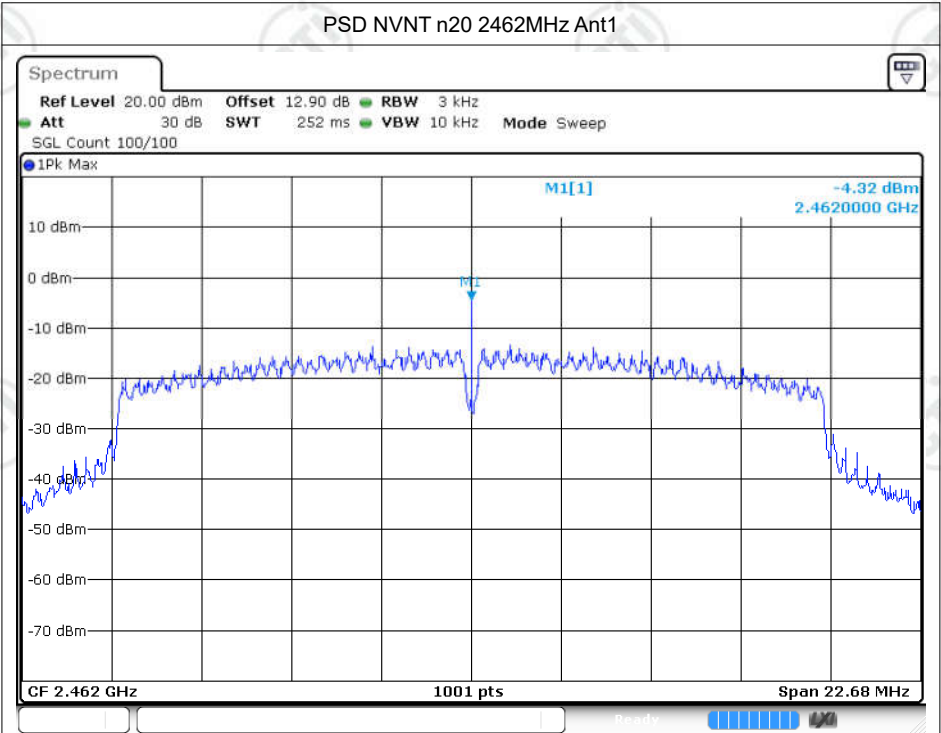
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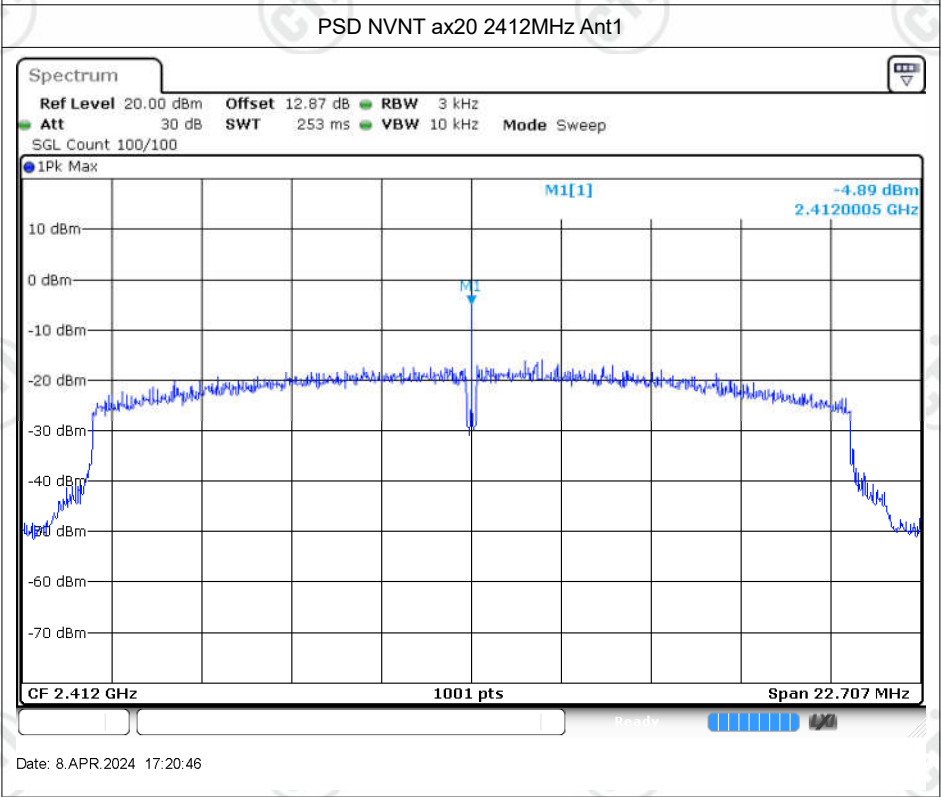
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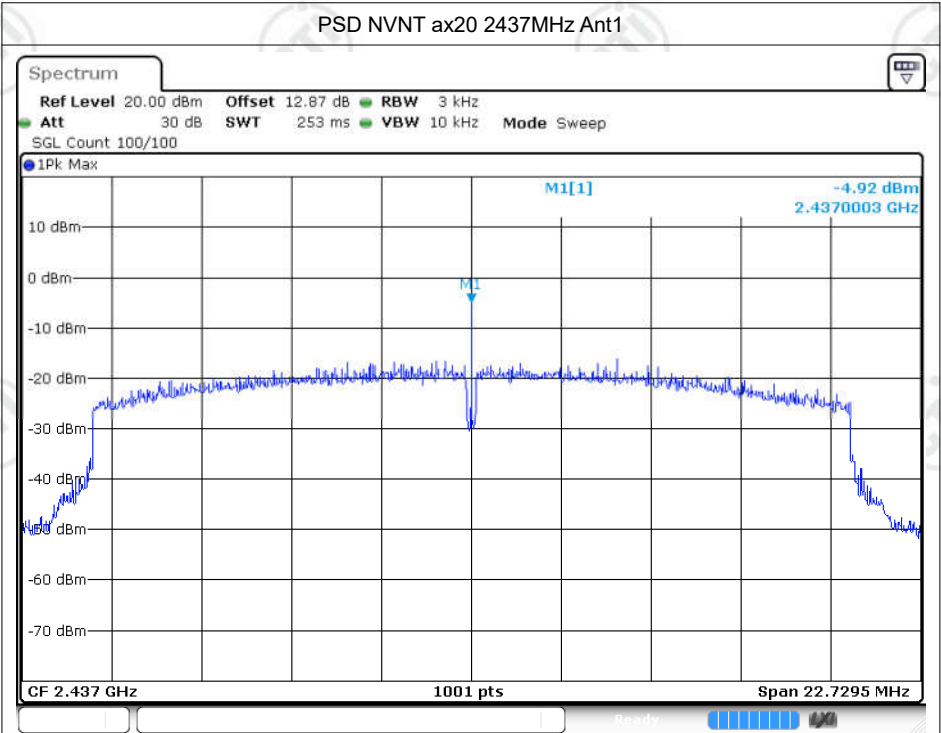
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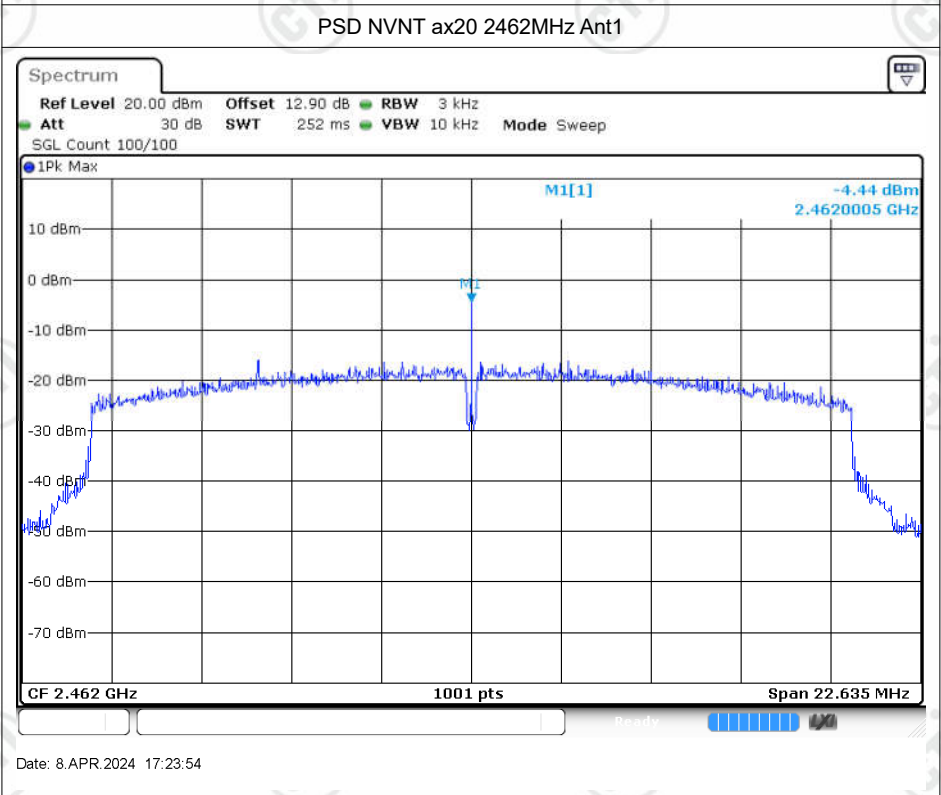
Date: 8.APR.2024 17:18:55



Date: 8.APR.2024 17:20:46



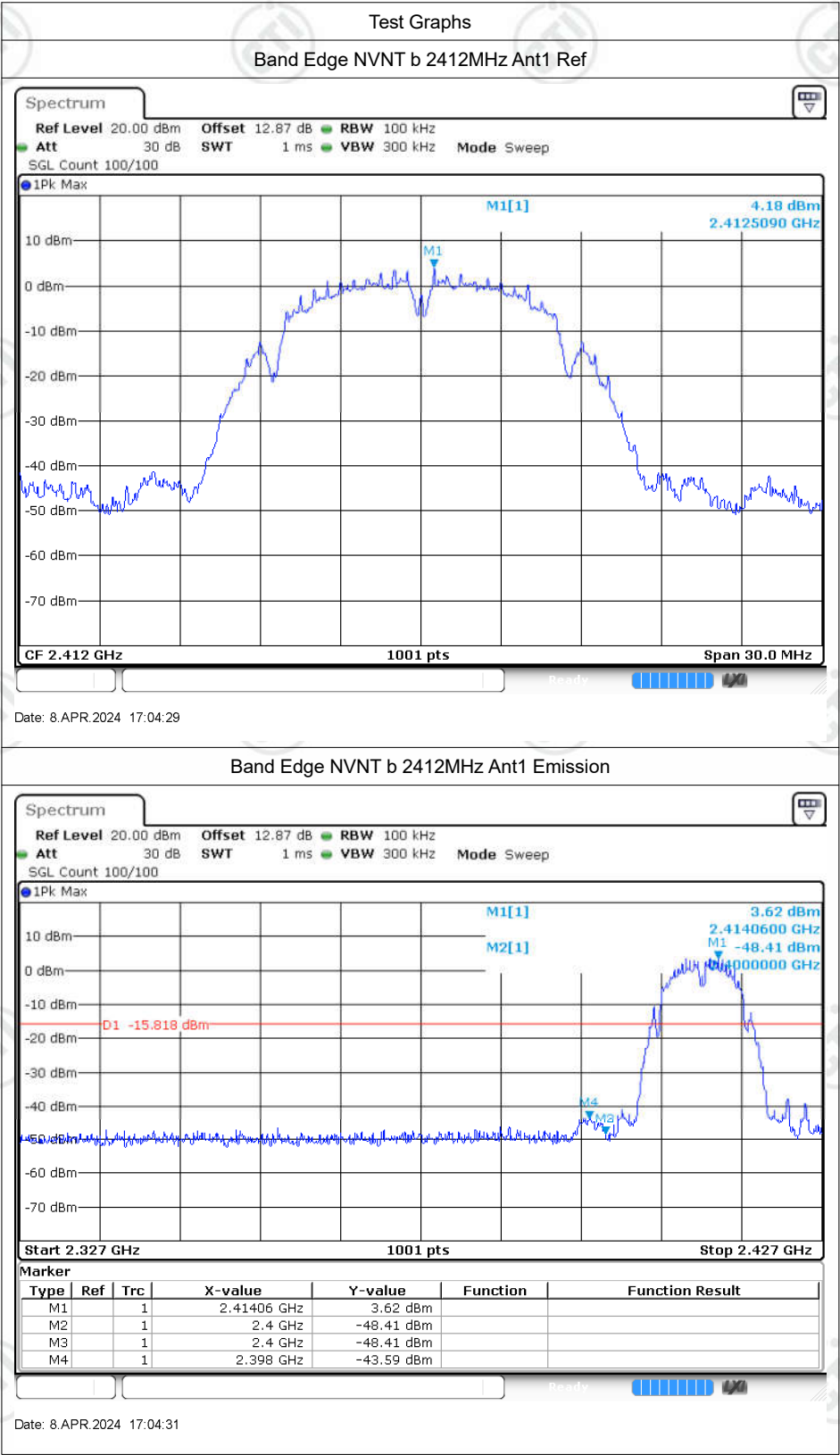
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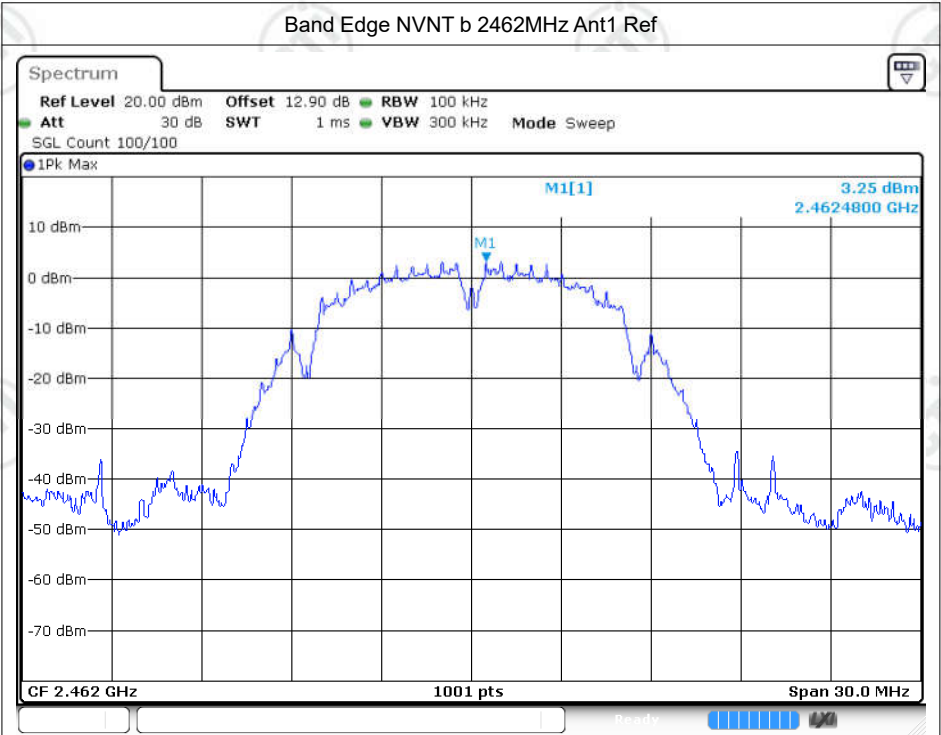


Date: 8.APR.2024 17:23:54

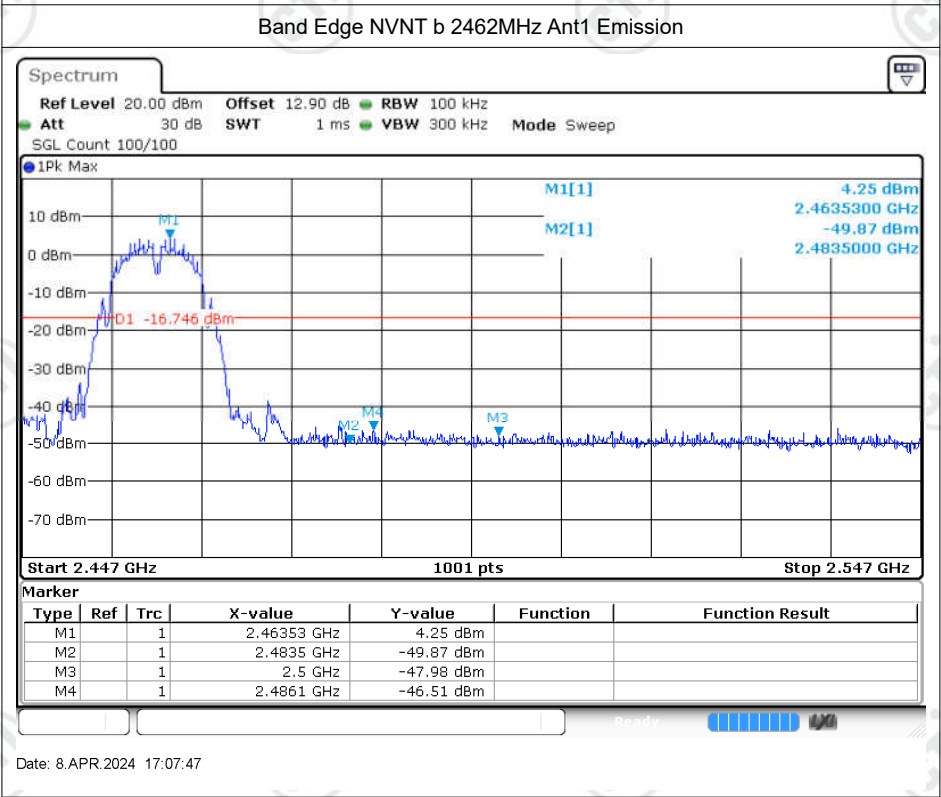
Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -47.76          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -49.75          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -31.92          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -45.54          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -30.63          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -44.68          | -20         | Pass    |
| NVNT      | ax20 | 2412            | Ant1    | -33.95          | -20         | Pass    |
| NVNT      | ax20 | 2462            | Ant1    | -42.97          | -20         | Pass    |

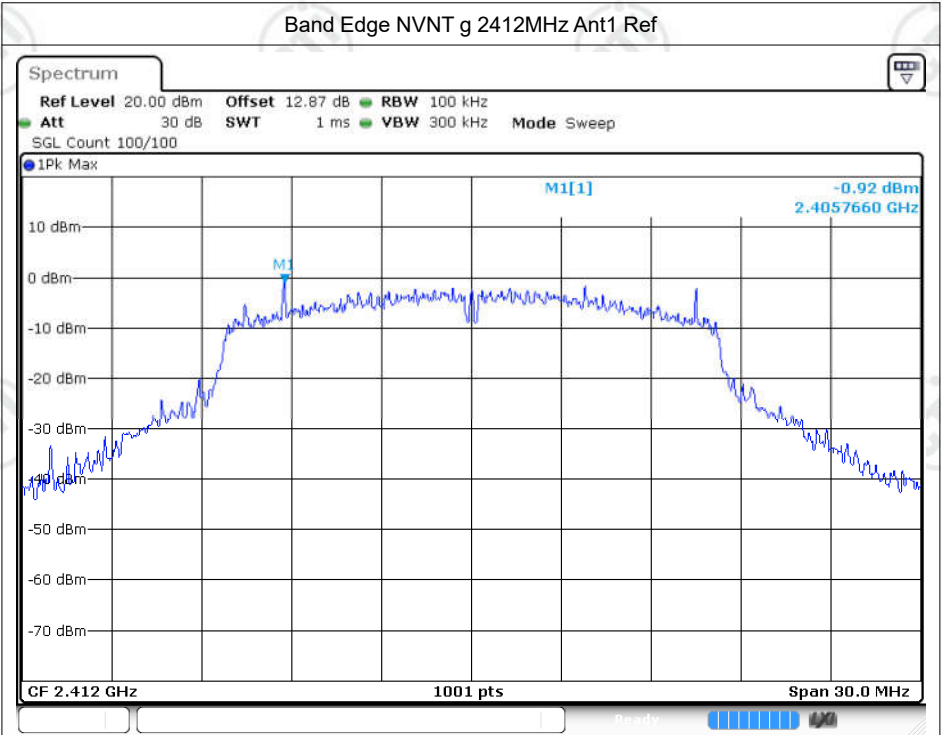




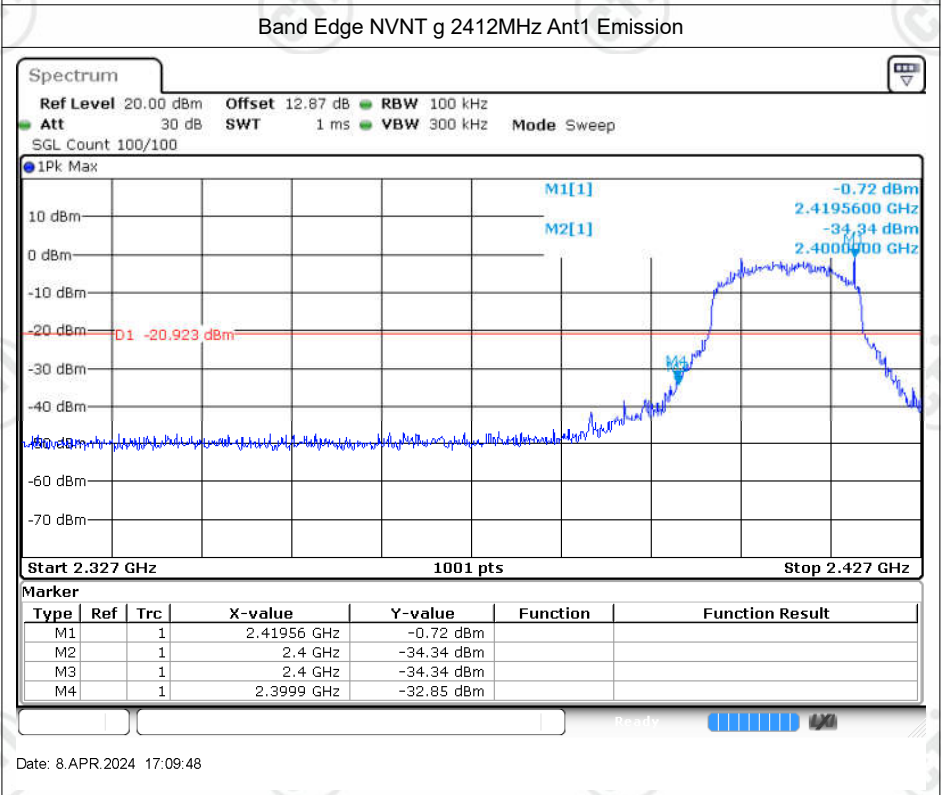
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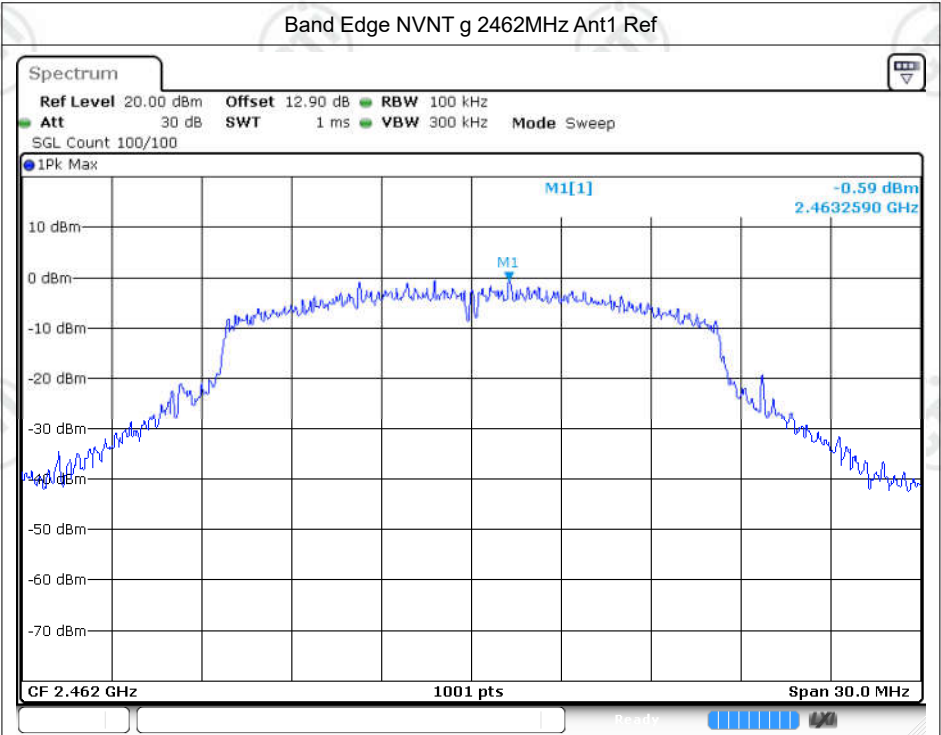
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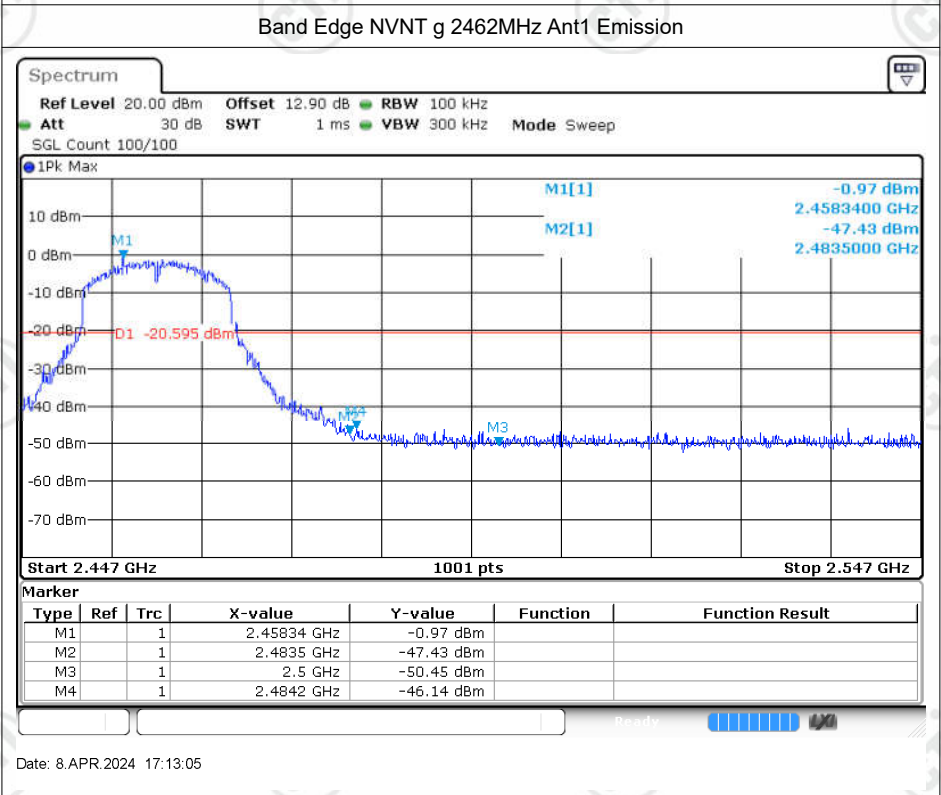
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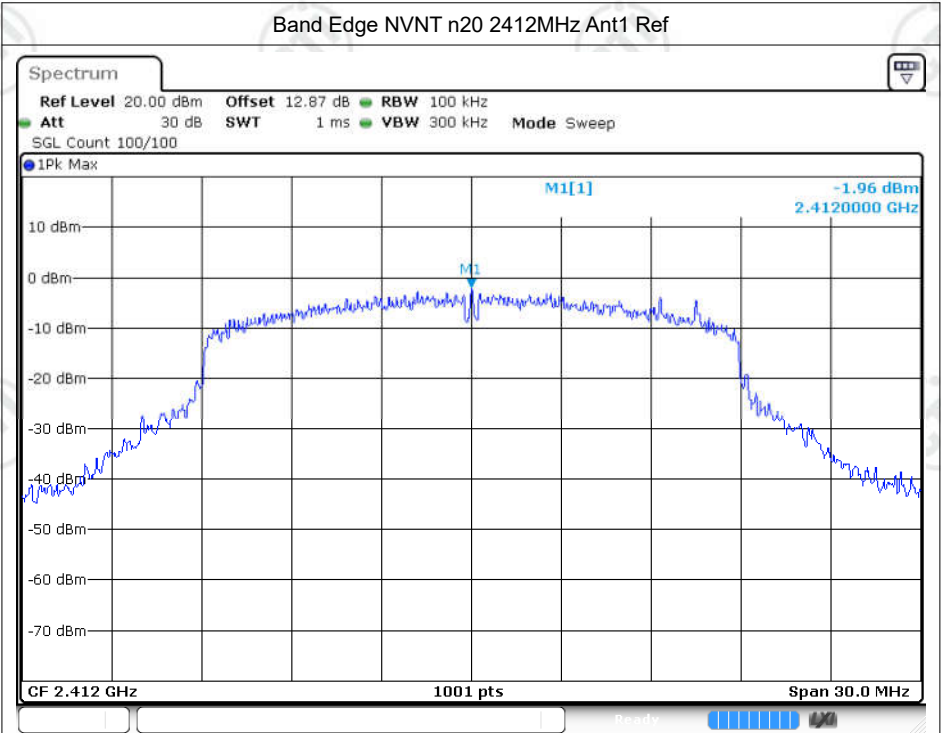
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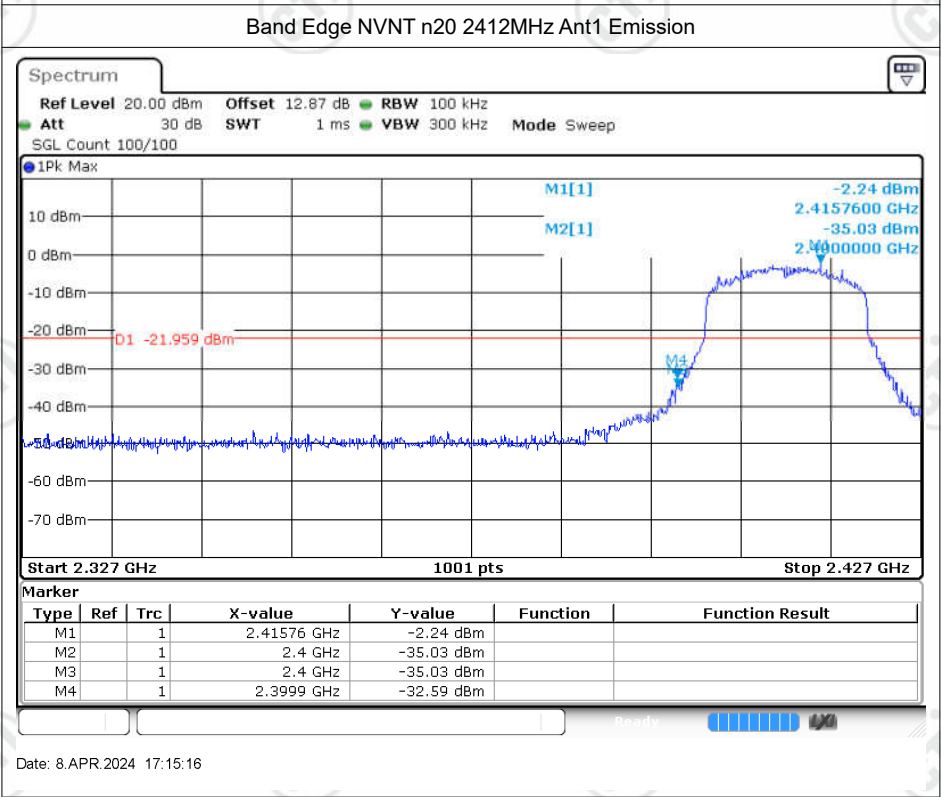
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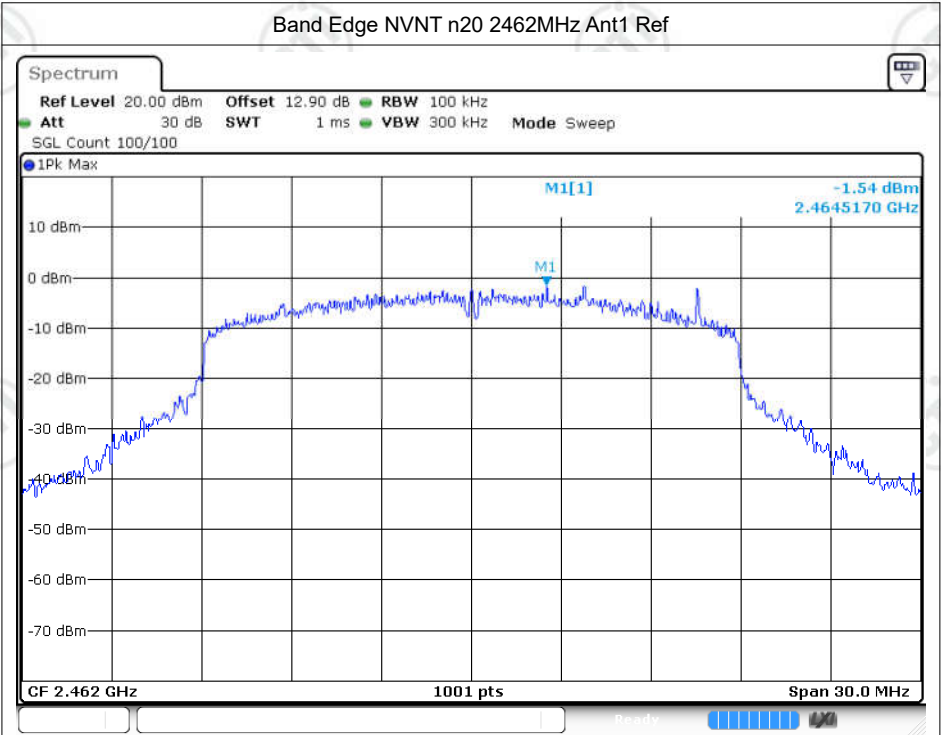
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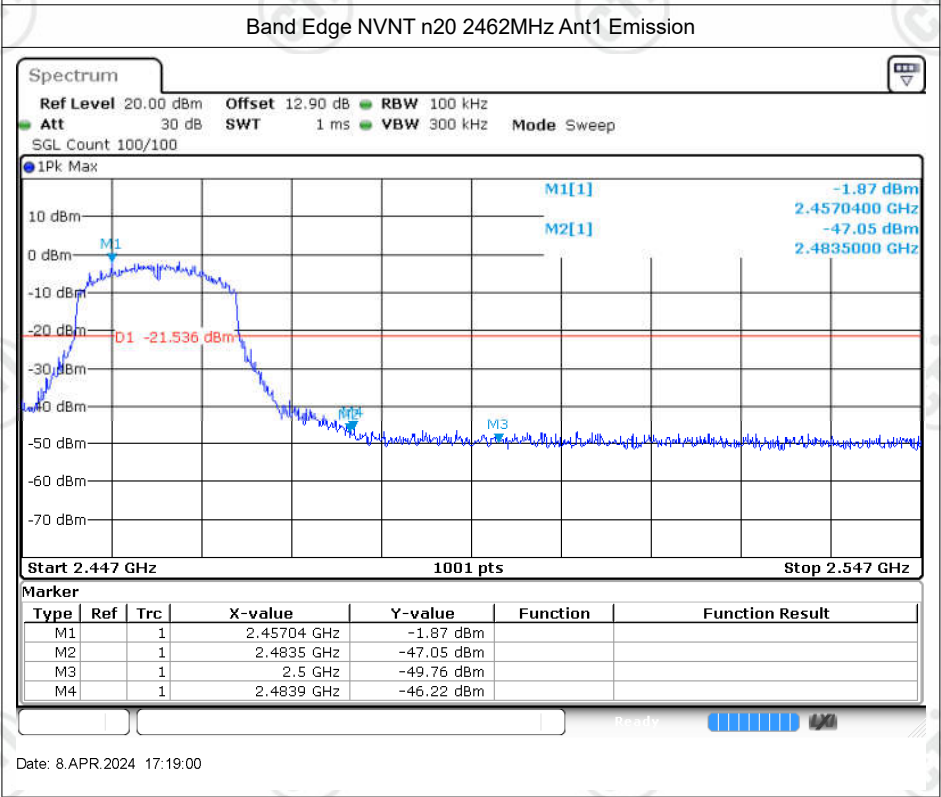
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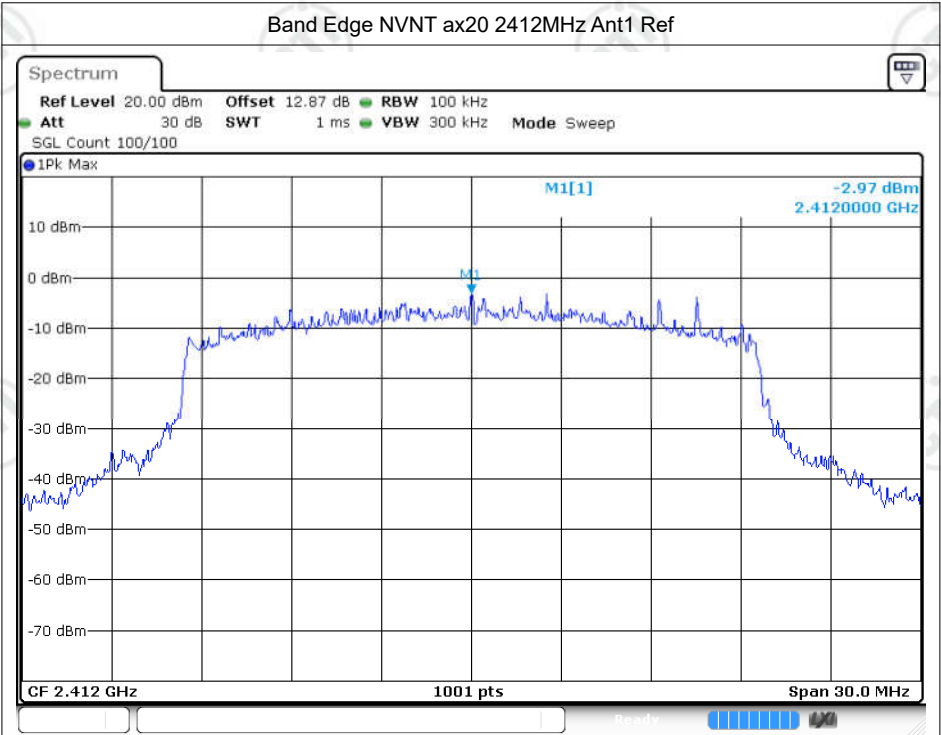
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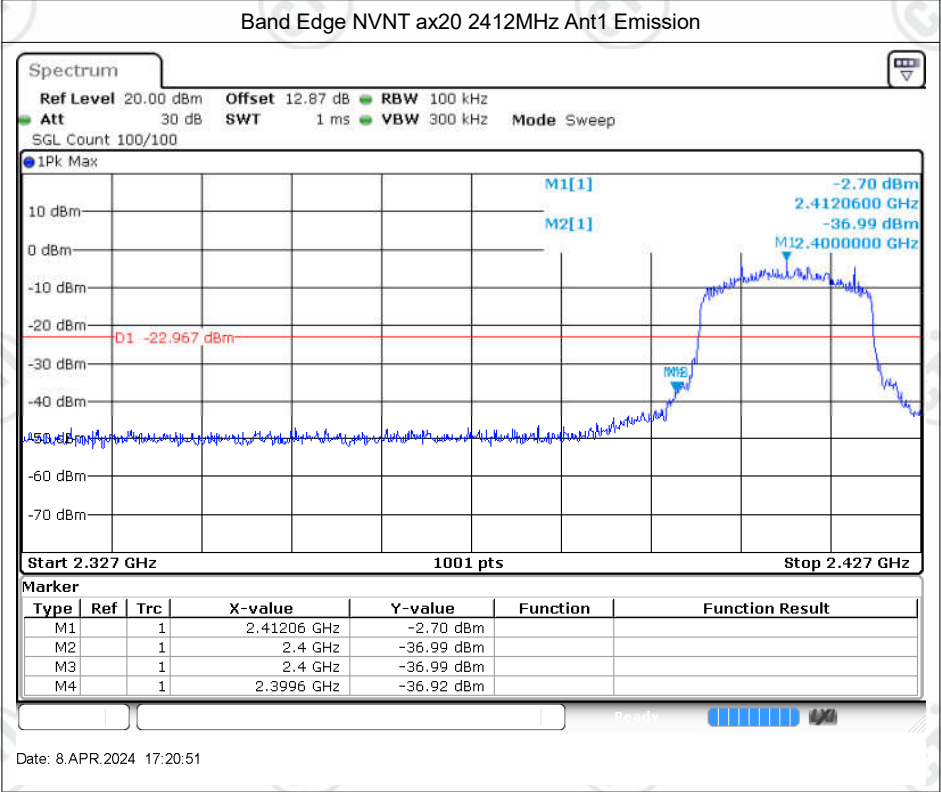
Date: 8.APR.2024 17:18:59



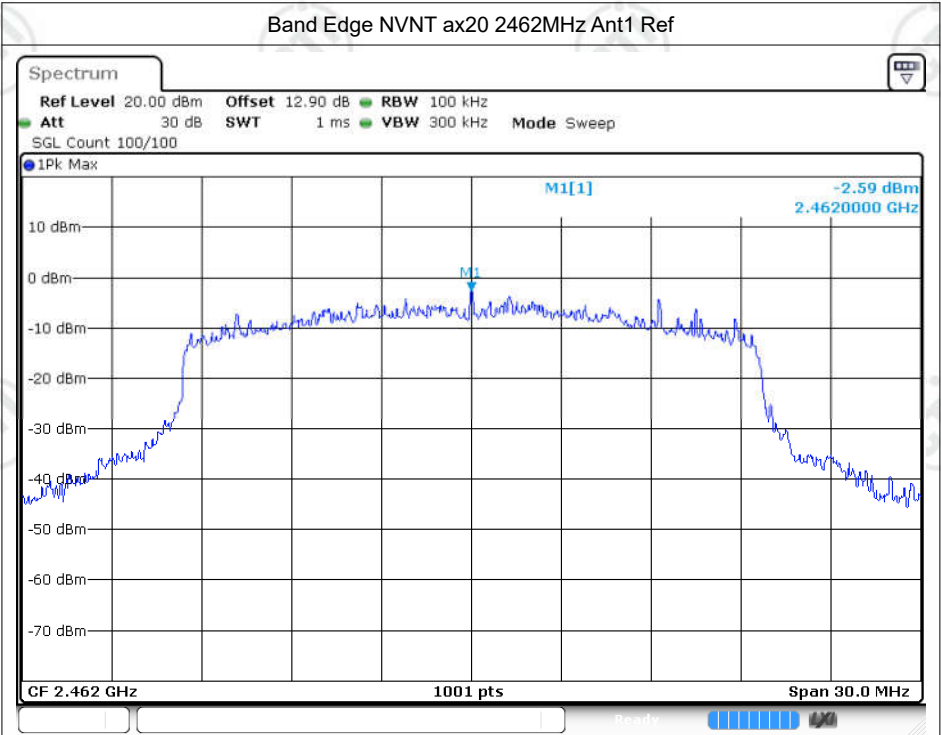
Date: 8.APR.2024 17:19:00



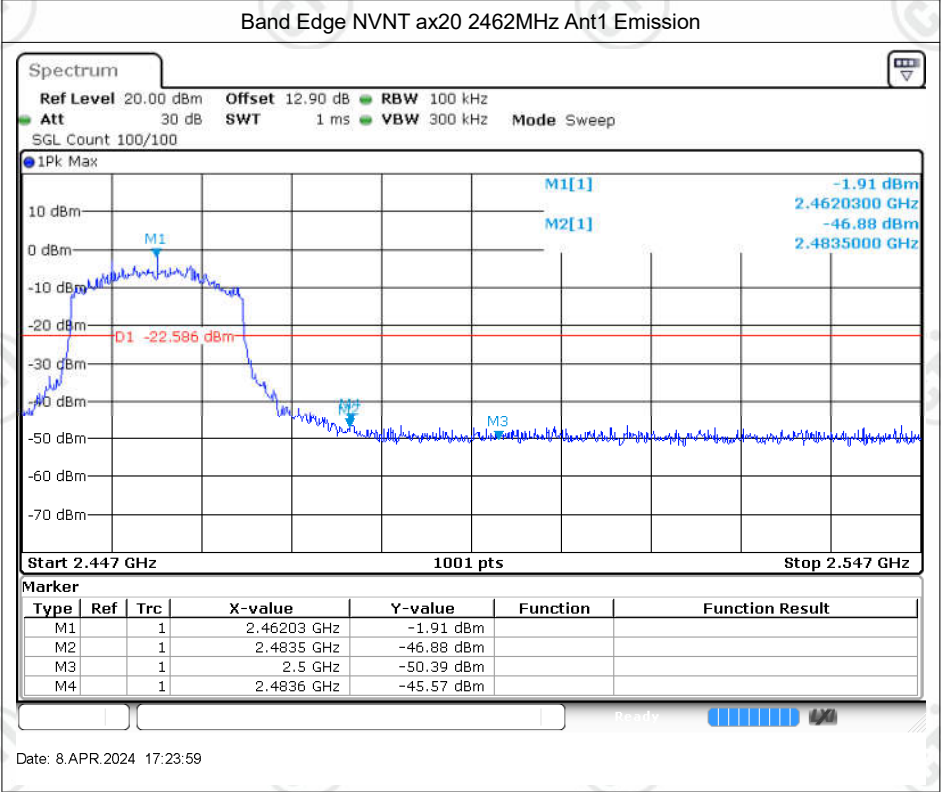
Date: 8.APR.2024 17:20:49



Date: 8.APR.2024 17:20:51



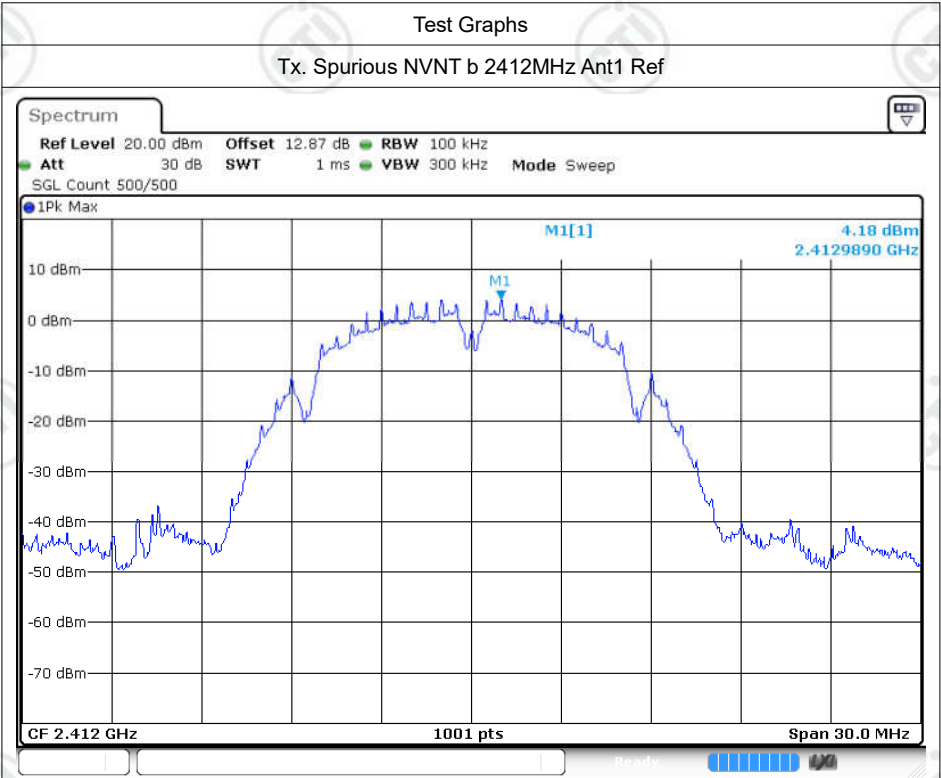
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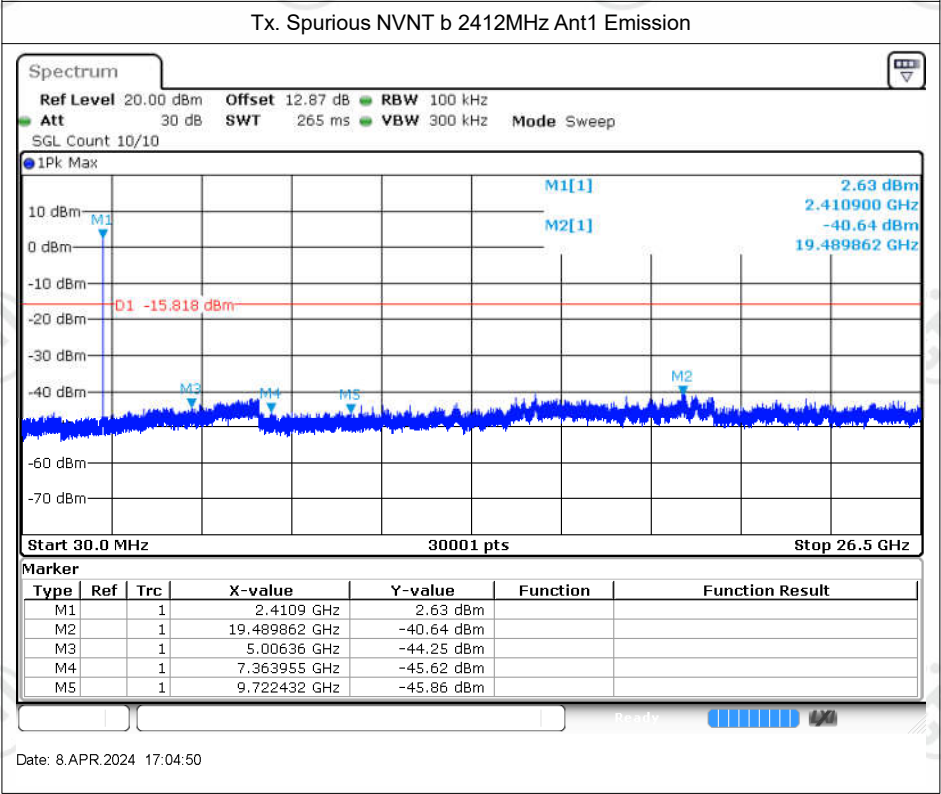
Date: 8.APR.2024 17:23:59

Conducted RF Spurious Emission

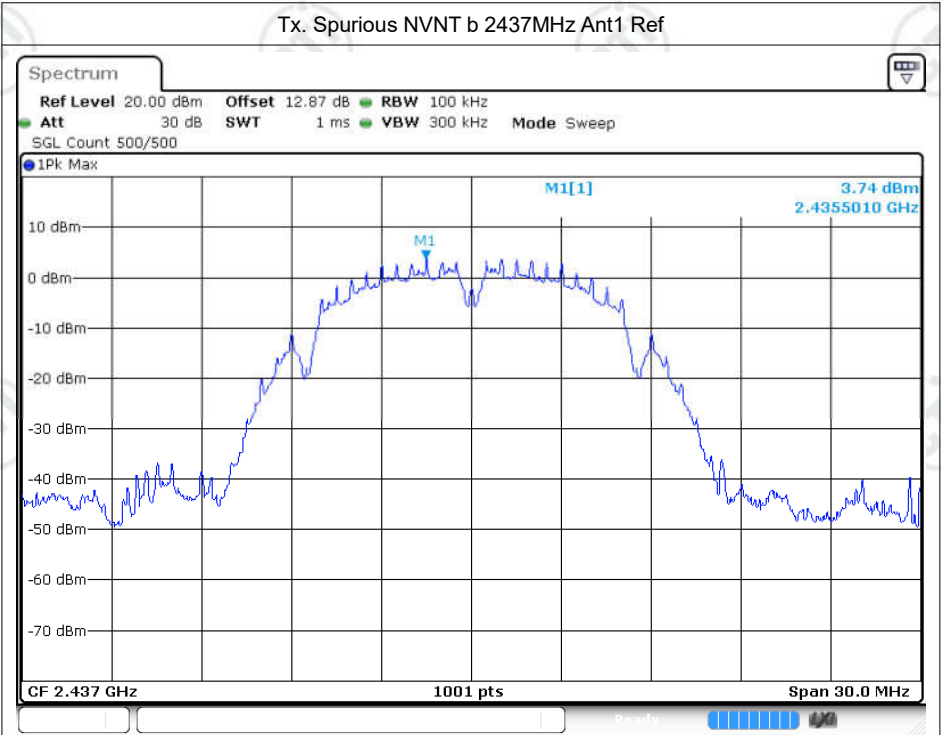
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -44.82          | -20         | Pass    |
| NVNT      | b    | 2437            | Ant1    | -43.35          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -45.23          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -39.22          | -20         | Pass    |
| NVNT      | g    | 2437            | Ant1    | -39.77          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -39.99          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -39.77          | -20         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -38.23          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -38.81          | -20         | Pass    |
| NVNT      | ax20 | 2412            | Ant1    | -37.88          | -20         | Pass    |
| NVNT      | ax20 | 2437            | Ant1    | -37.96          | -20         | Pass    |
| NVNT      | ax20 | 2462            | Ant1    | -36.66          | -20         | Pass    |



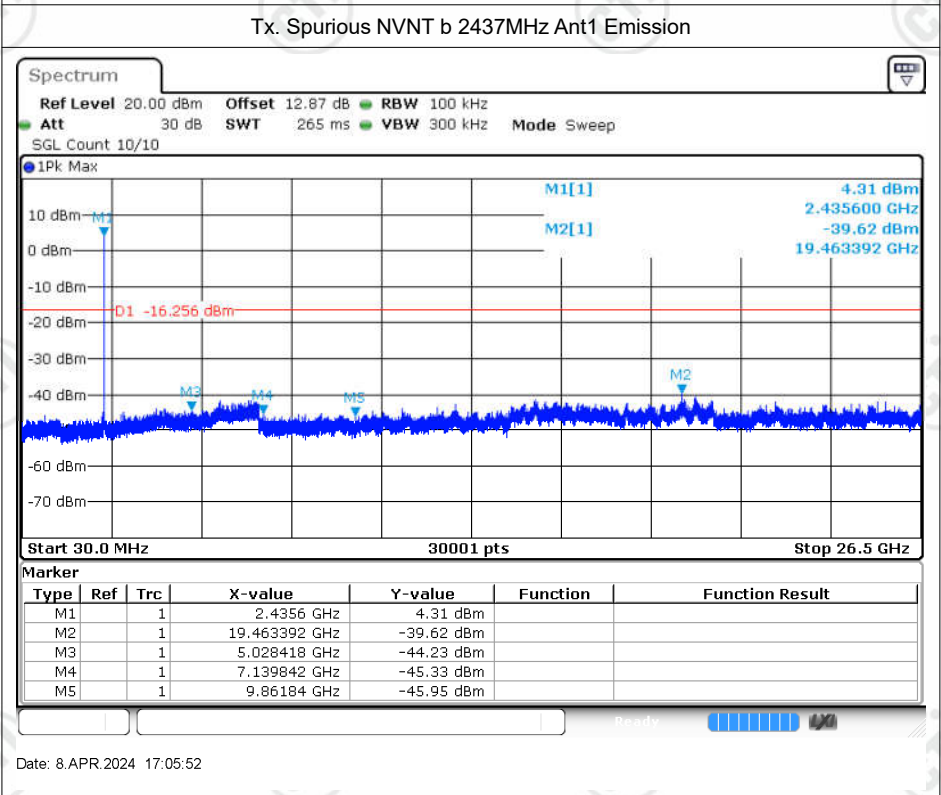
Date: 8.APR.2024 17:04:39



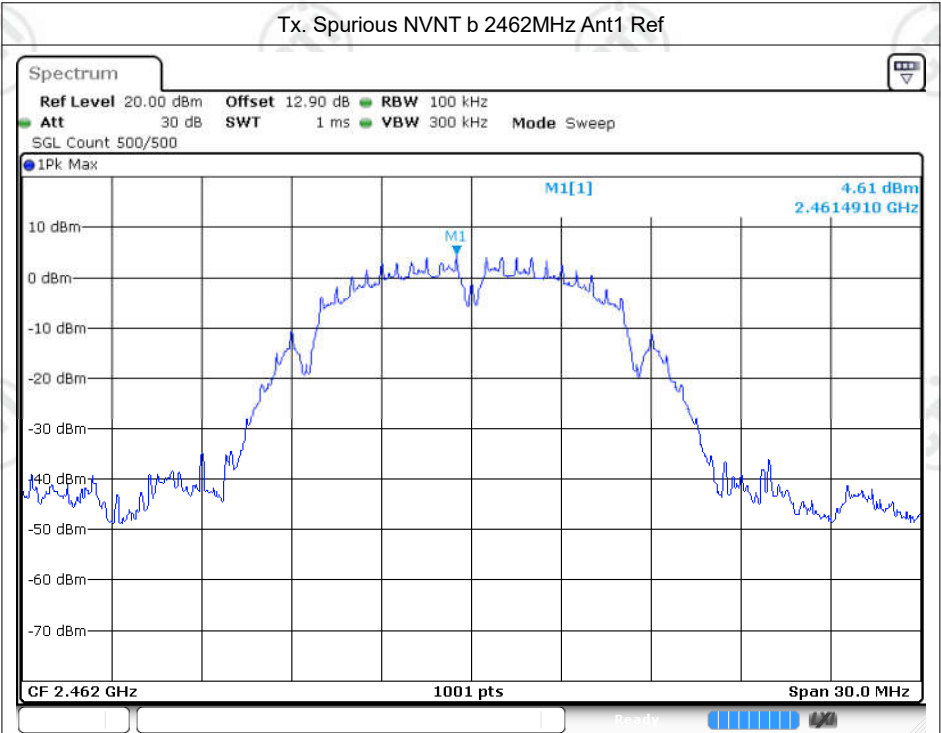
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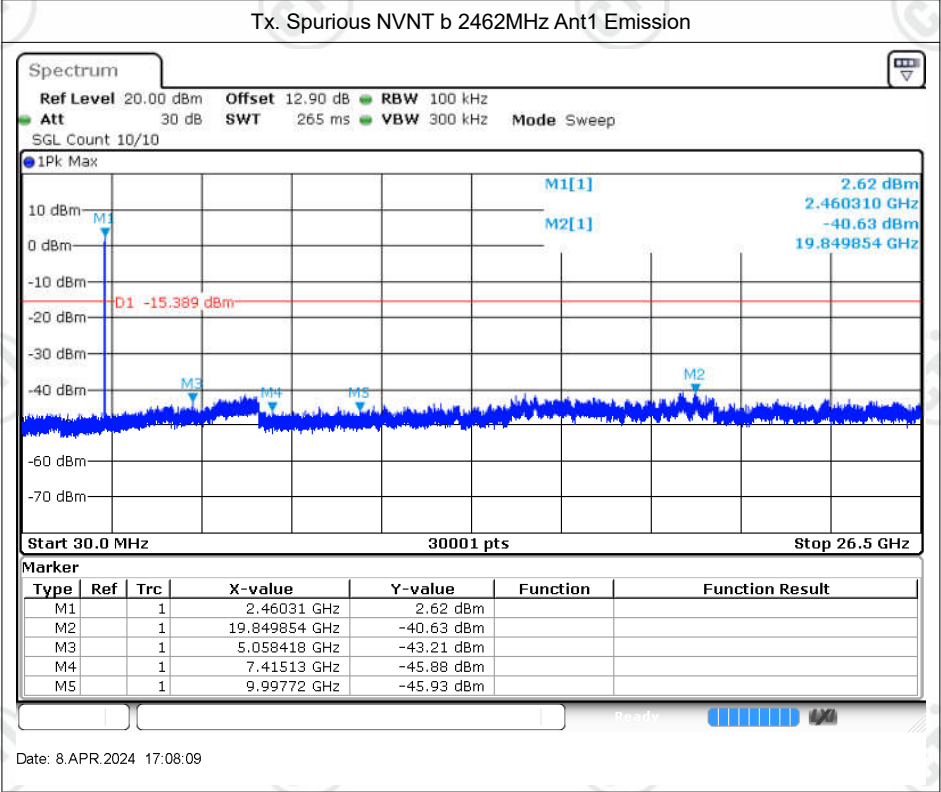
Date: 8.APR.2024 17:05:41



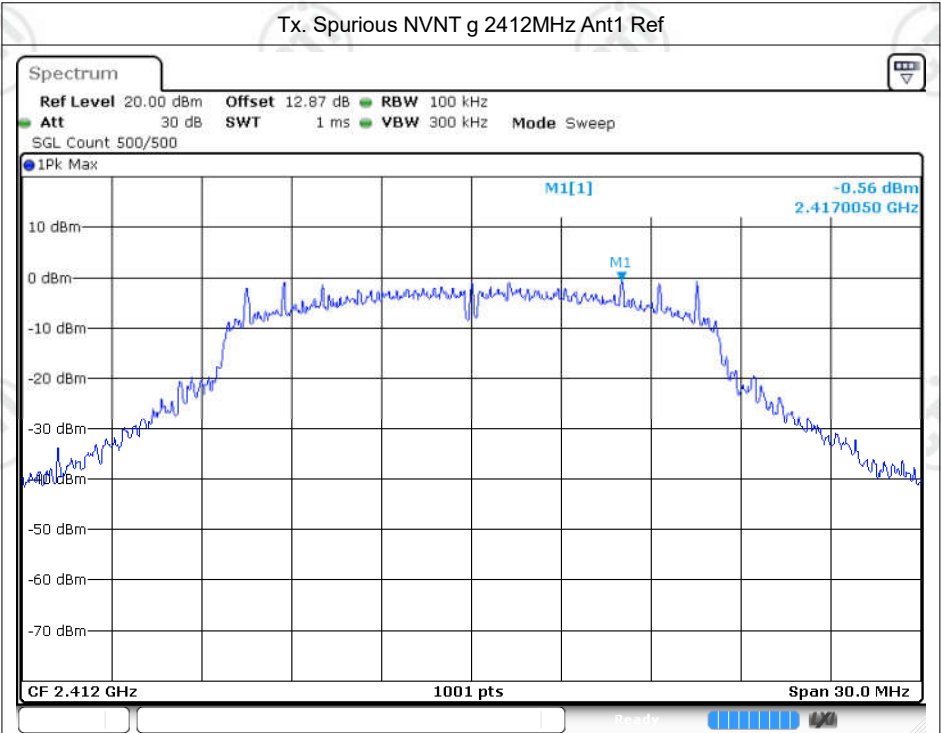
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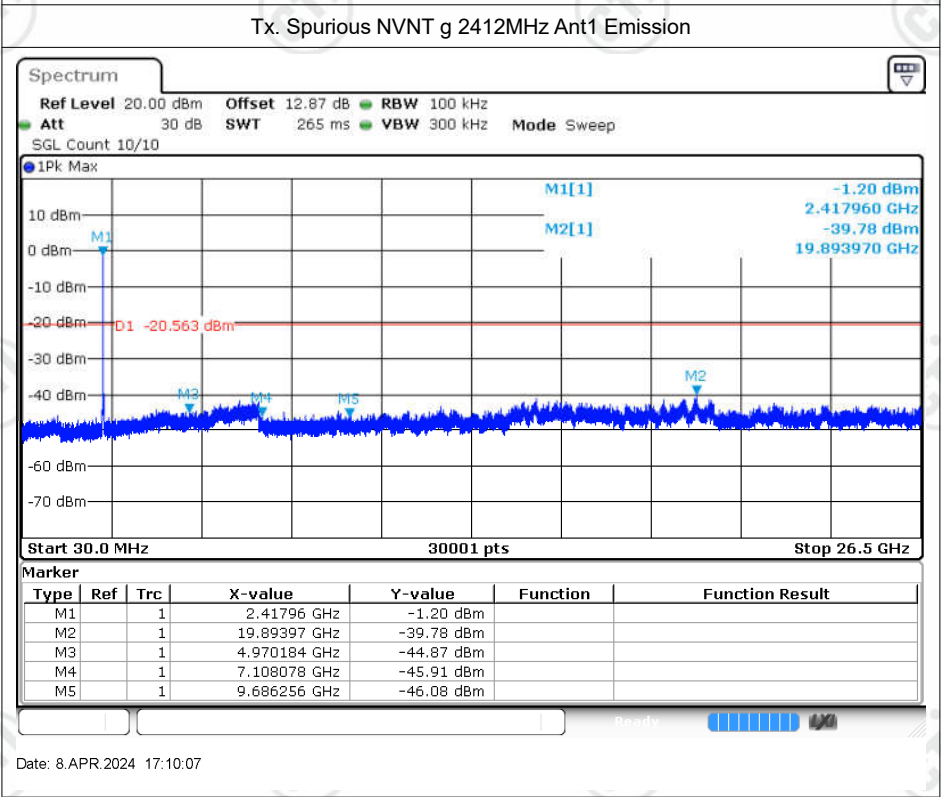
Date: 8.APR.2024 17:07:57



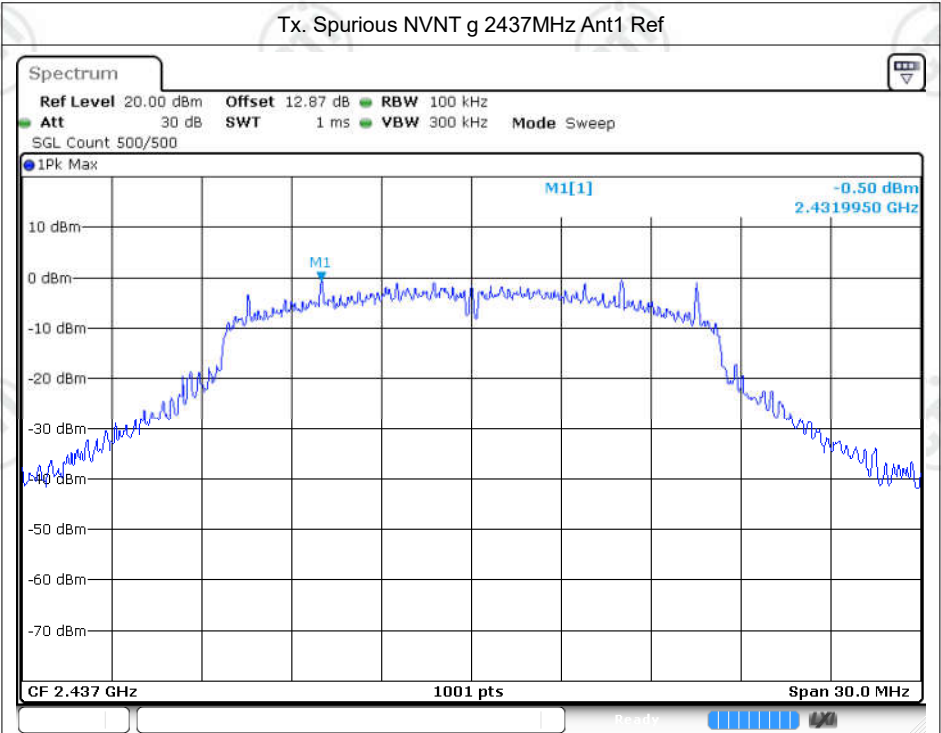
Date: 8.APR.2024 17:08:09



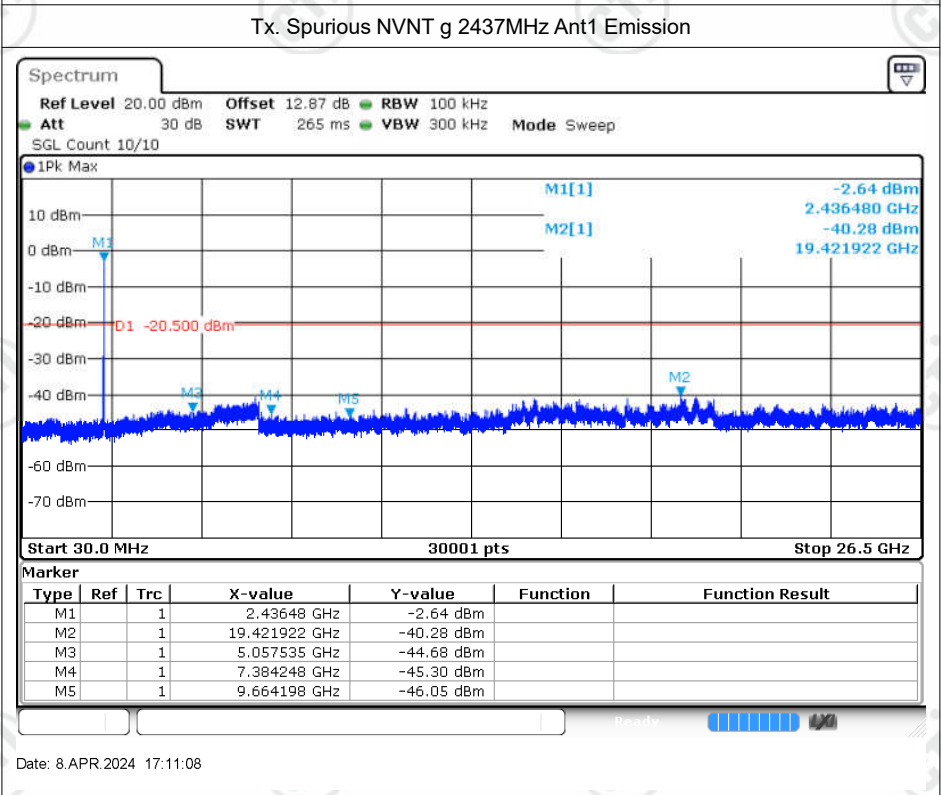
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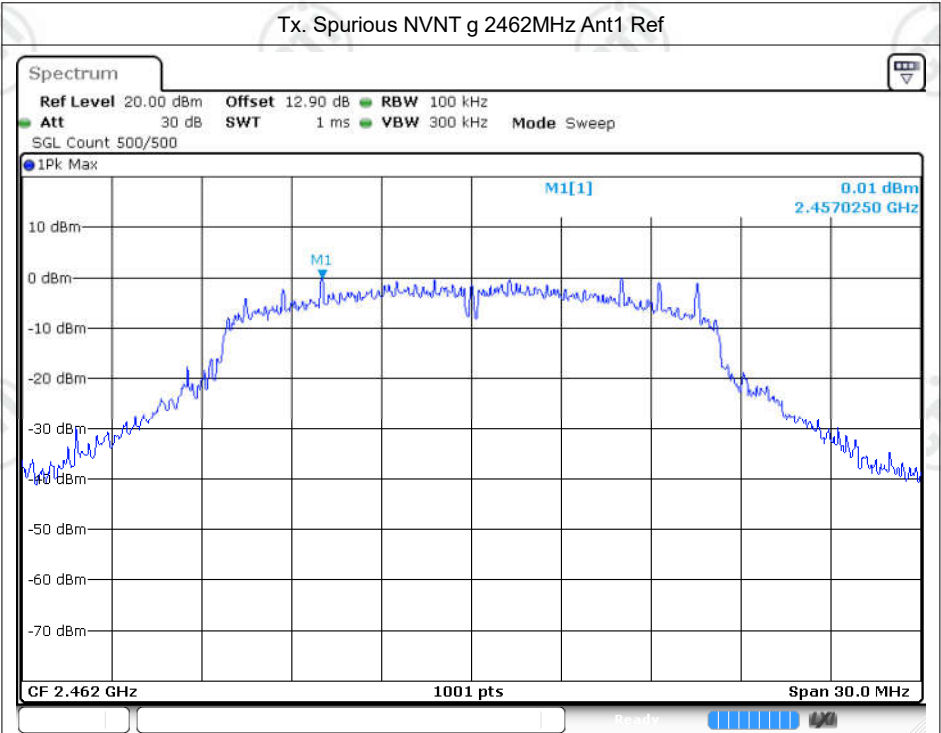
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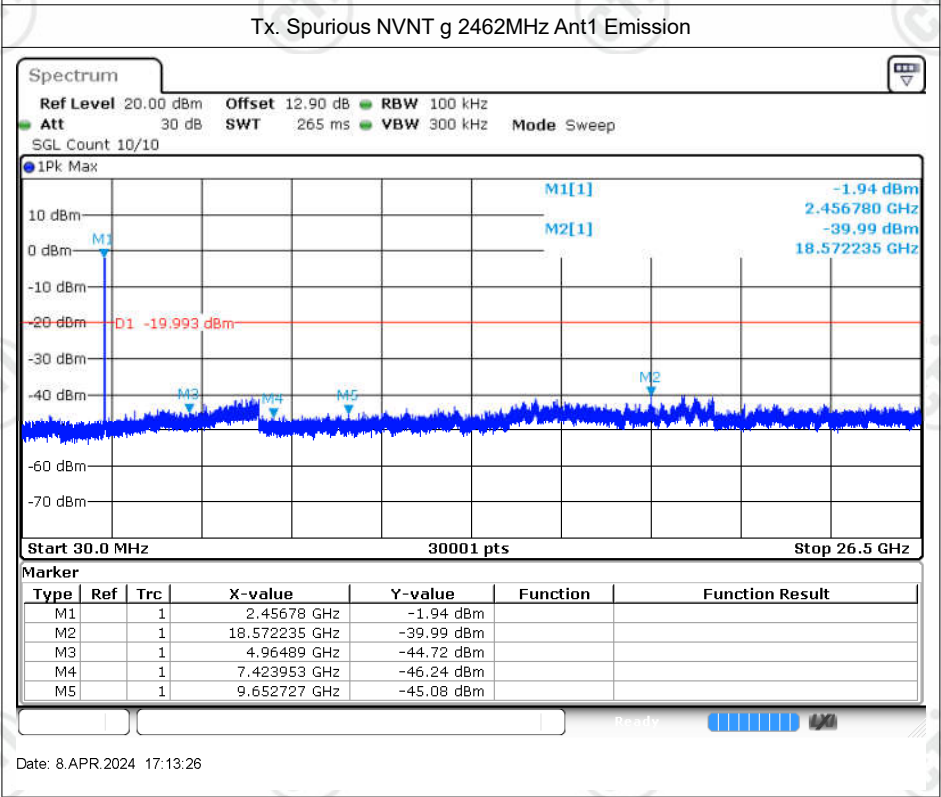
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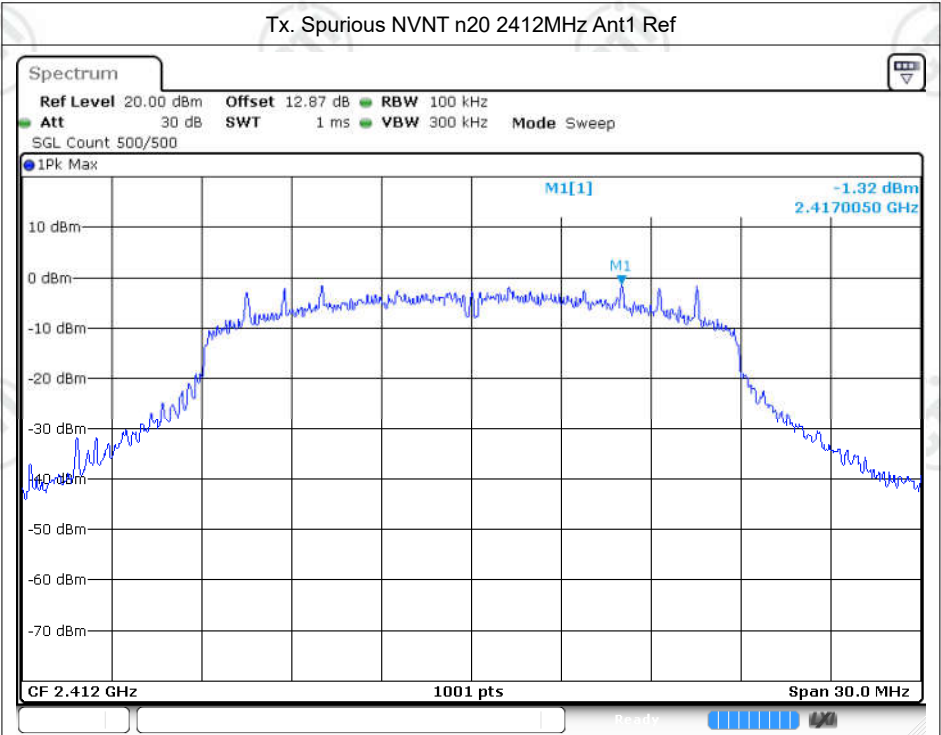
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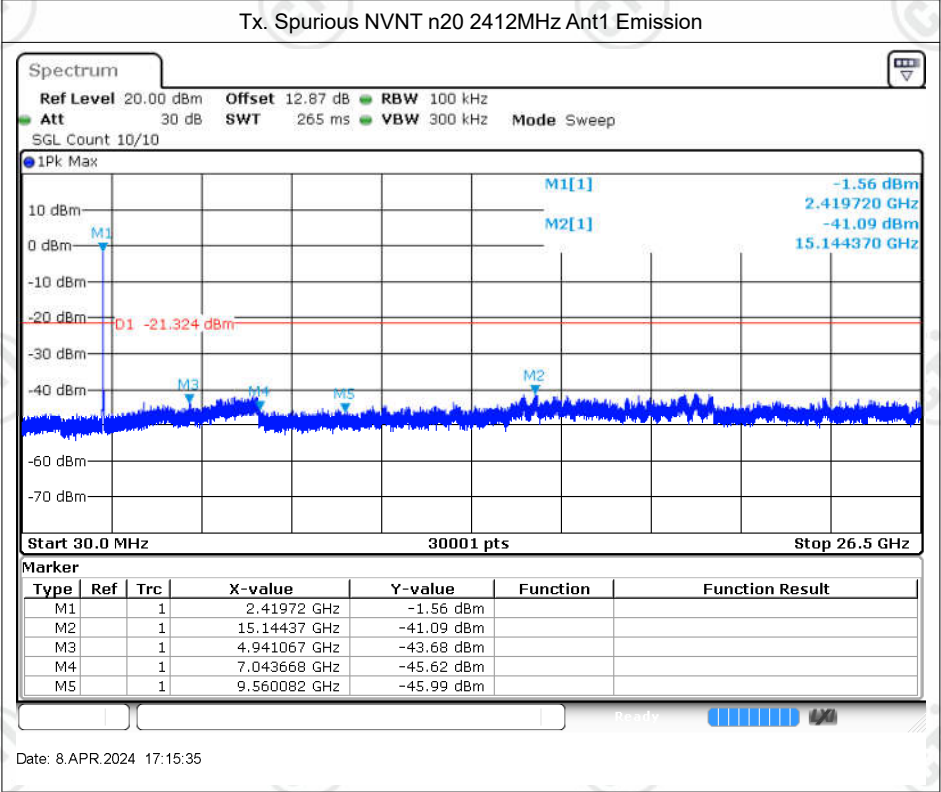
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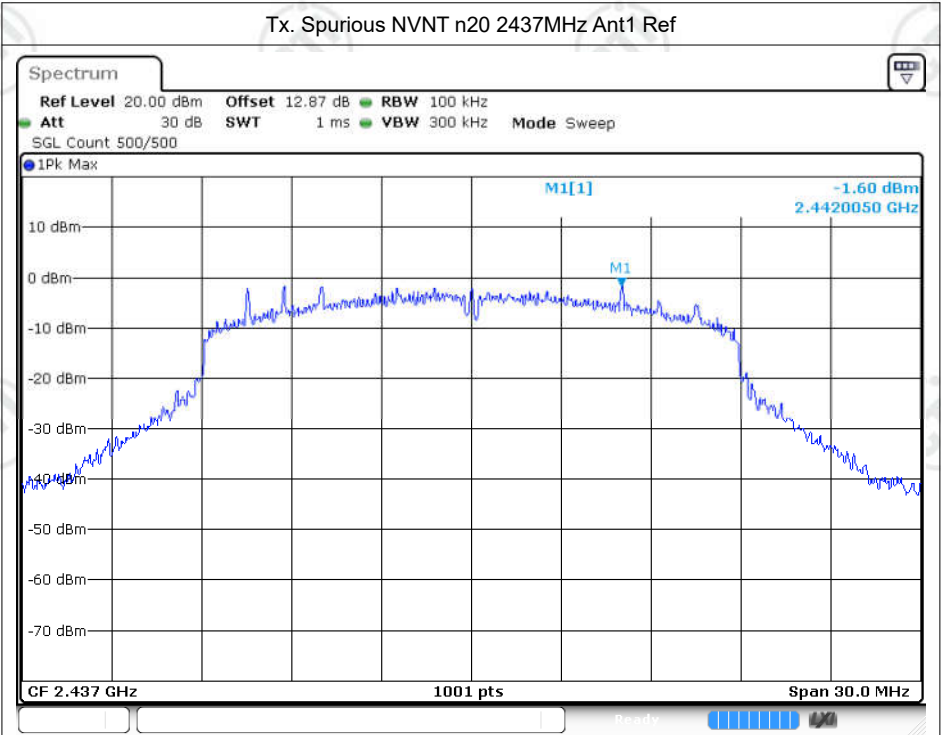
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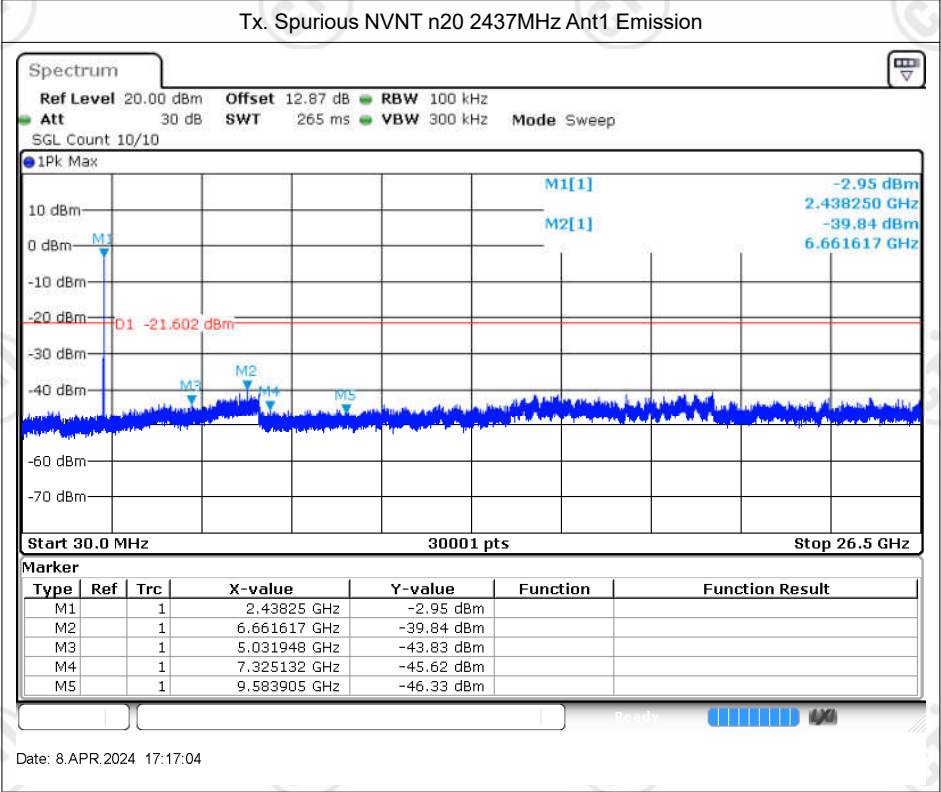
Date: 8.APR.2024 17:15:24



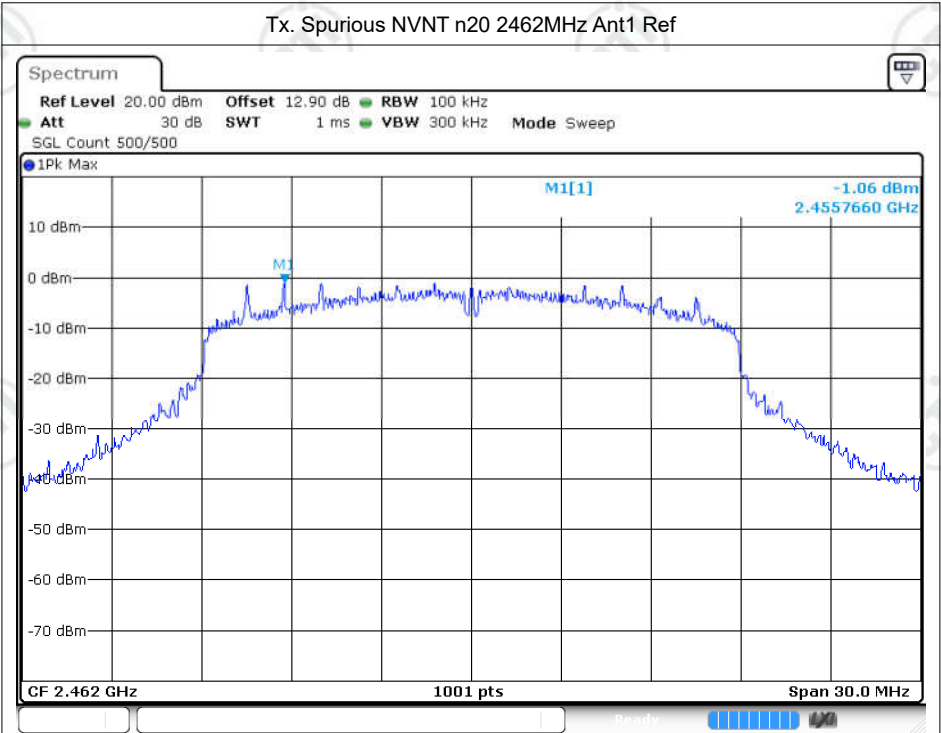
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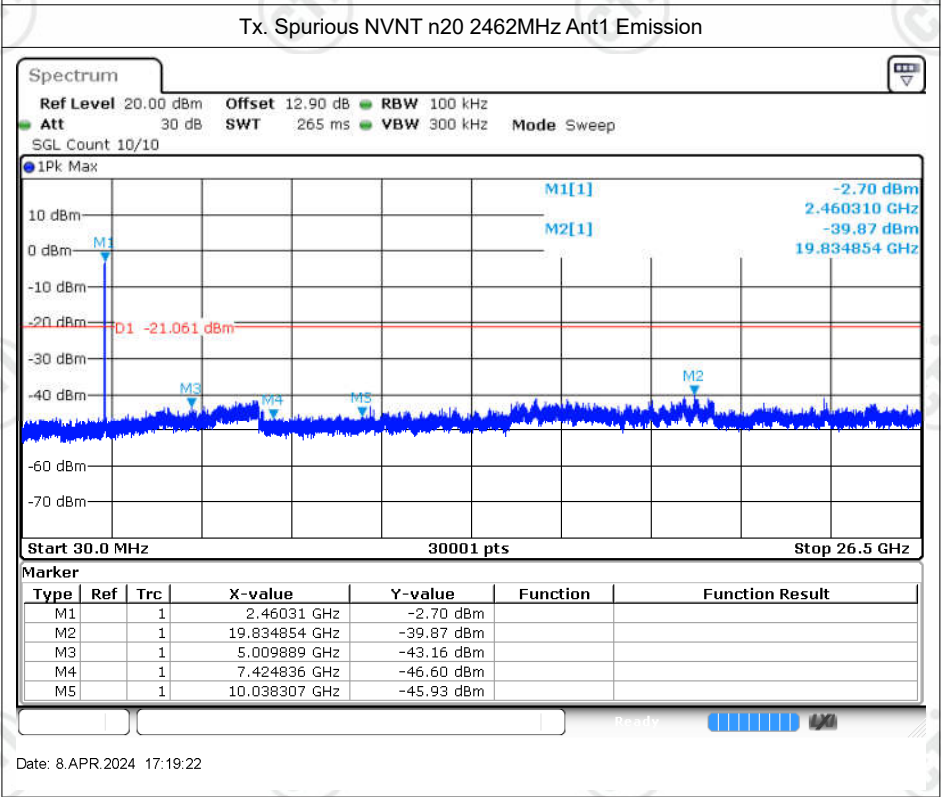
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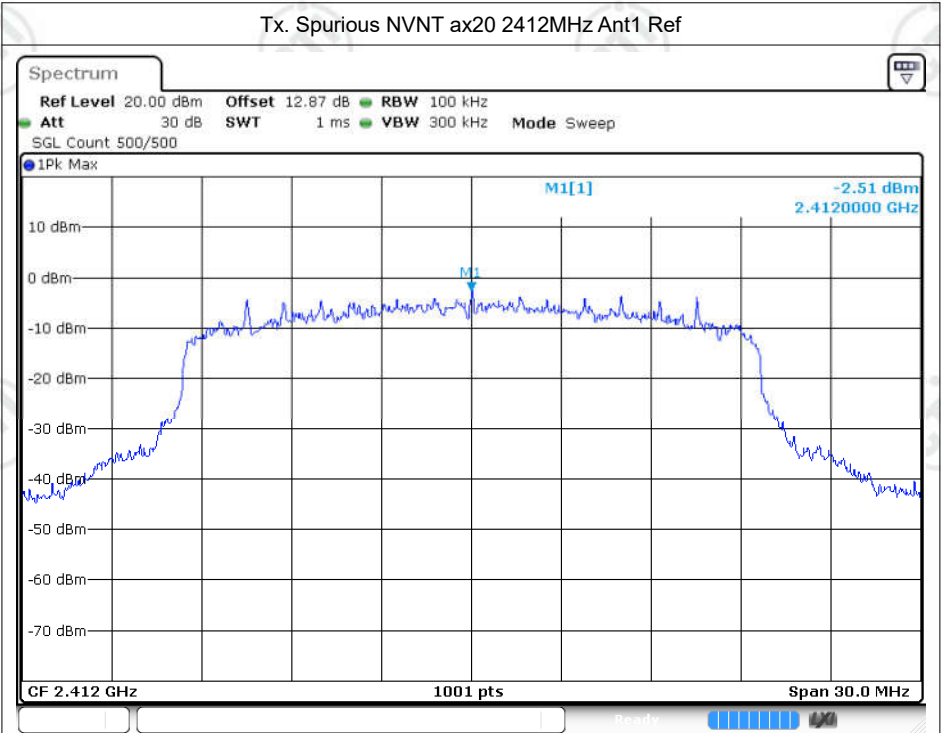
Date: 8.APR.2024 17:17:04



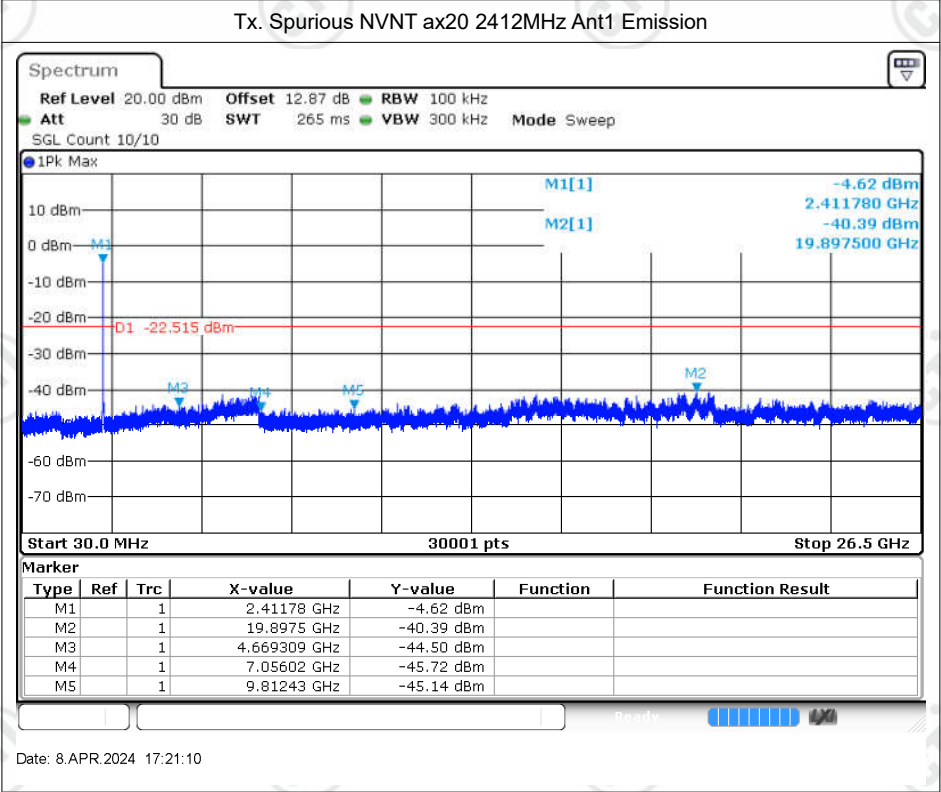
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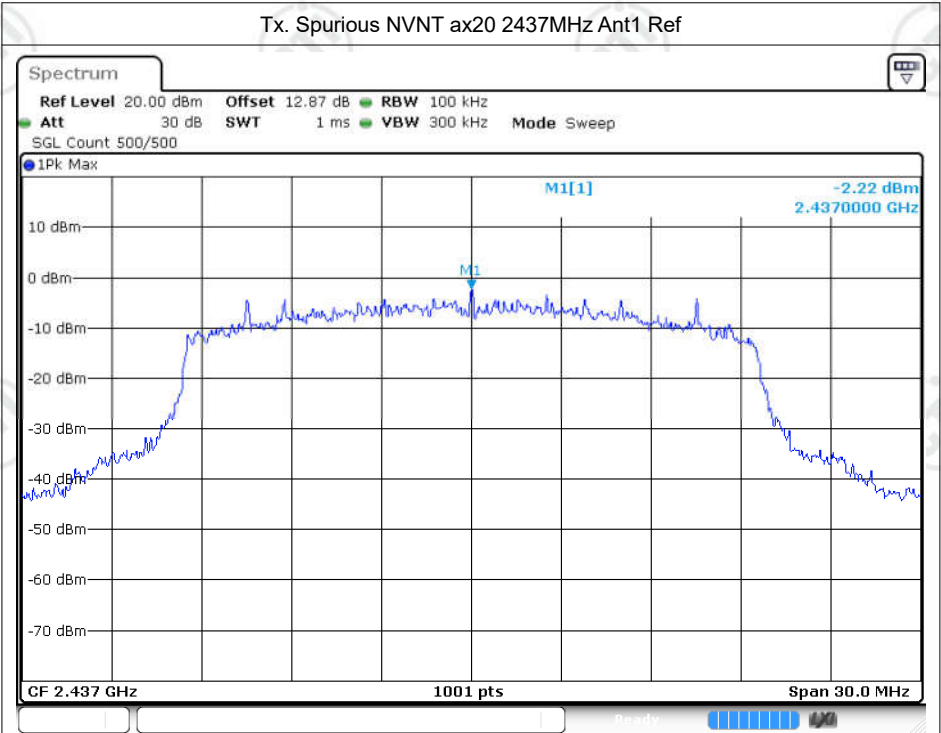
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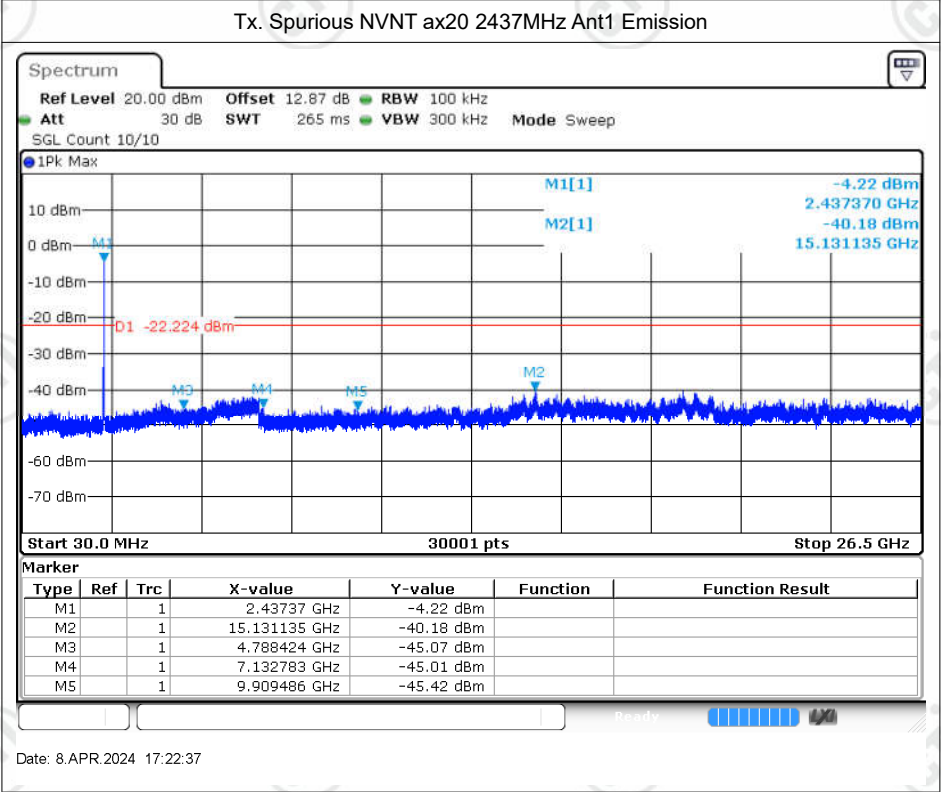
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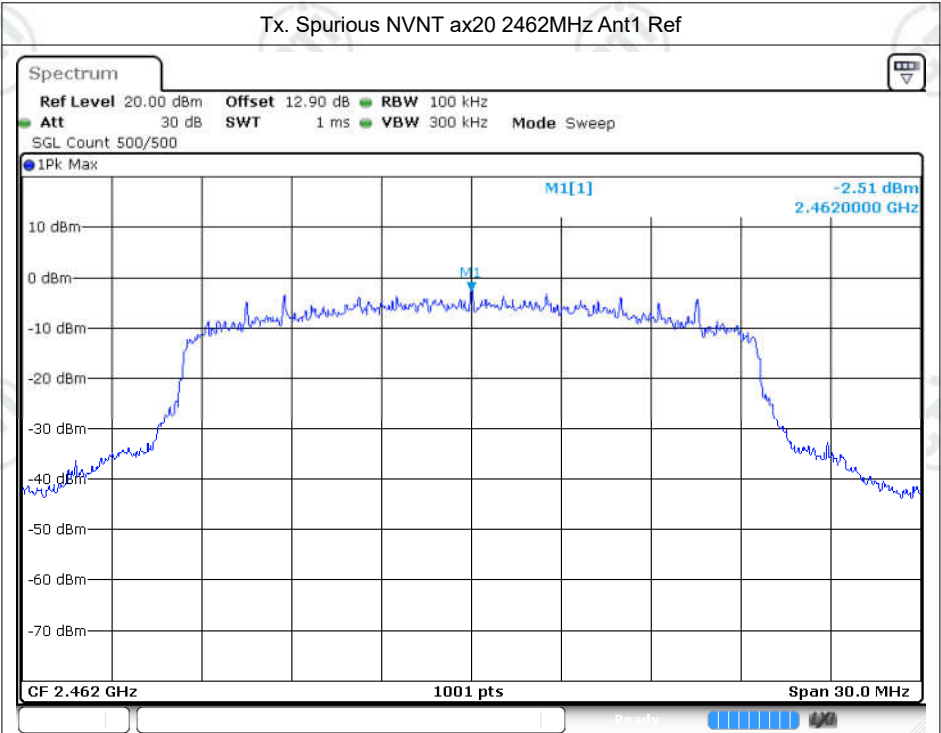
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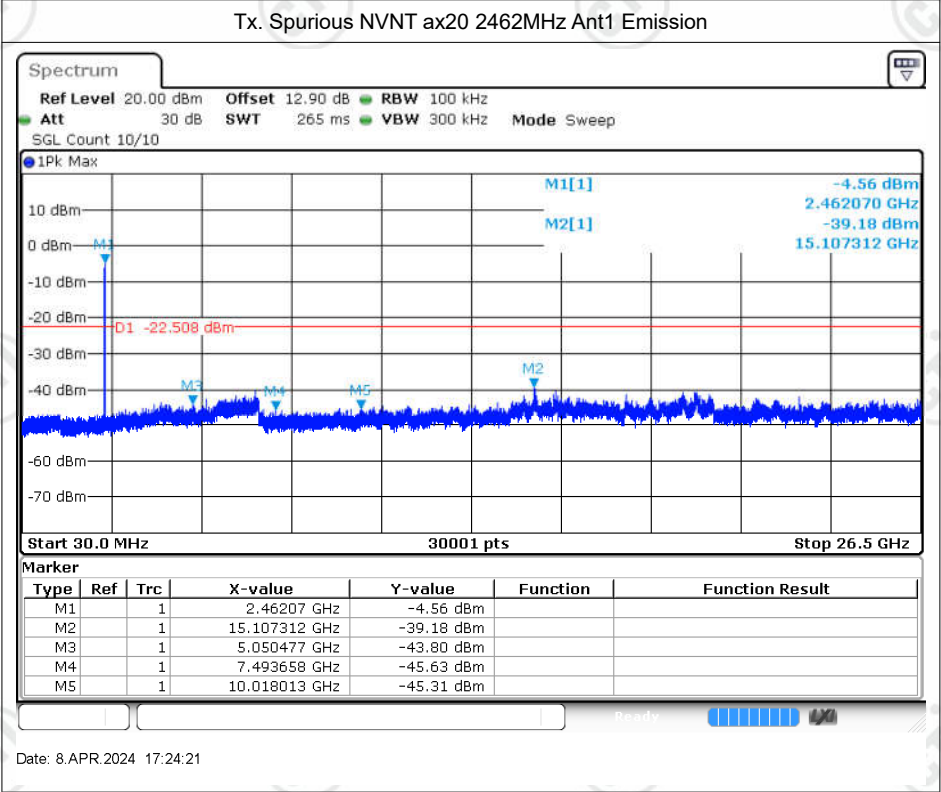
Date: 8.APR.2024 17:22:26



Date: 8.APR.2024 17:22:37



Date: 8.APR.2024 17:24:09



Date: 8.APR.2024 17:24:21

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