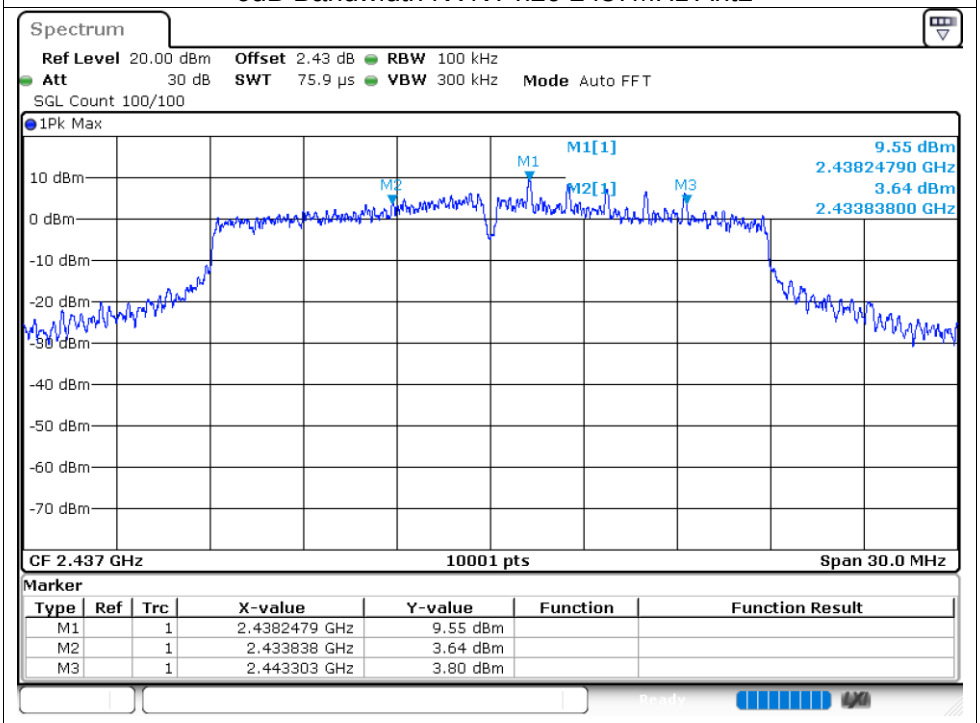
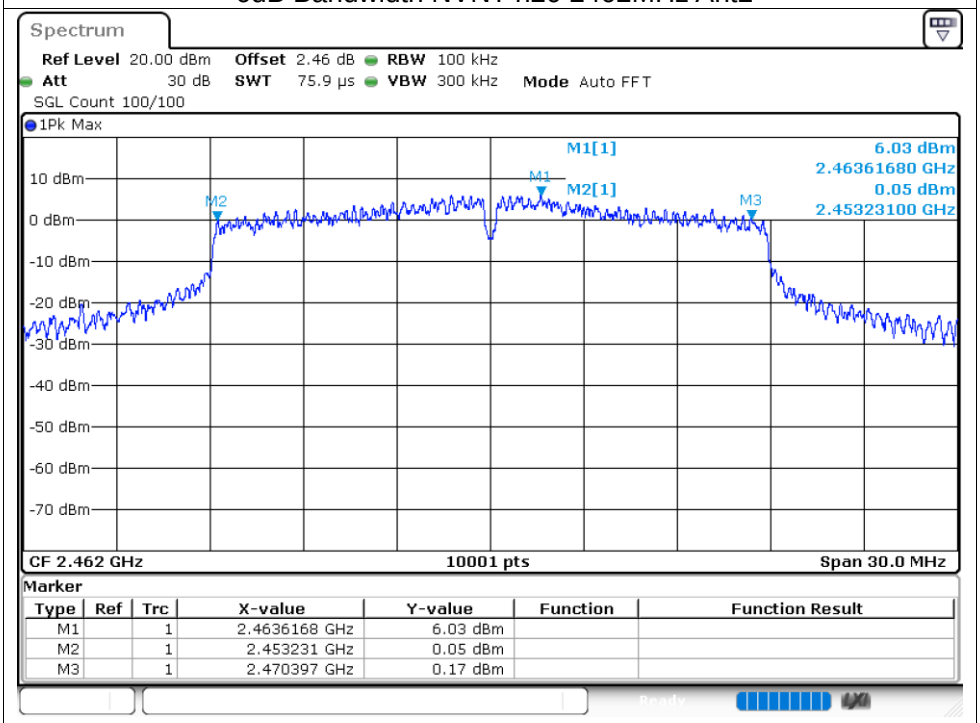
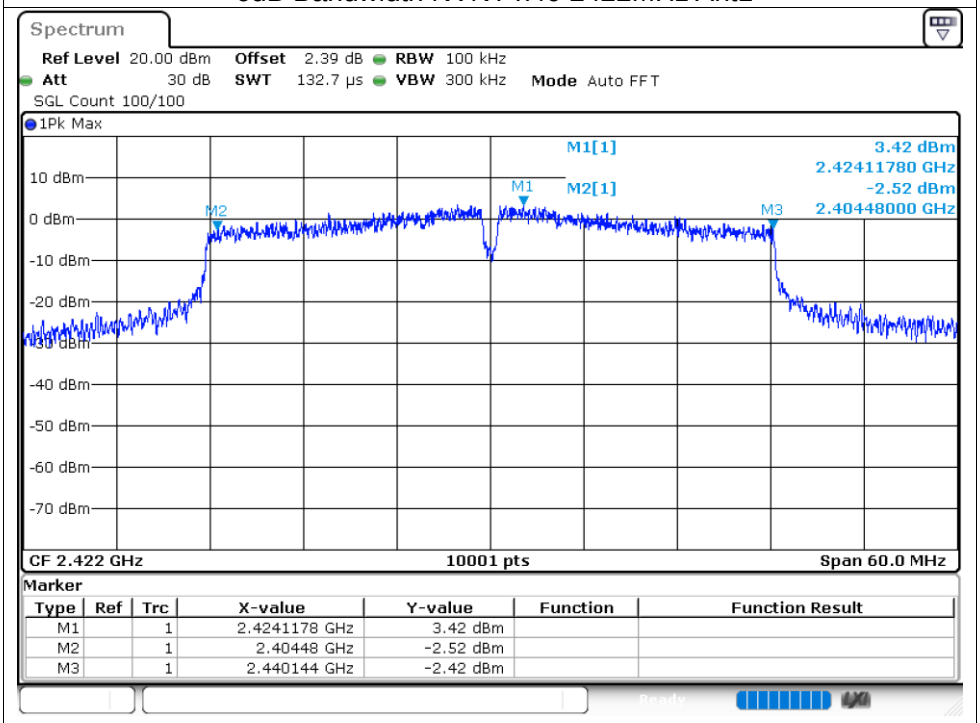
-6dB Bandwidth NVNT n20 2437MHz Ant2



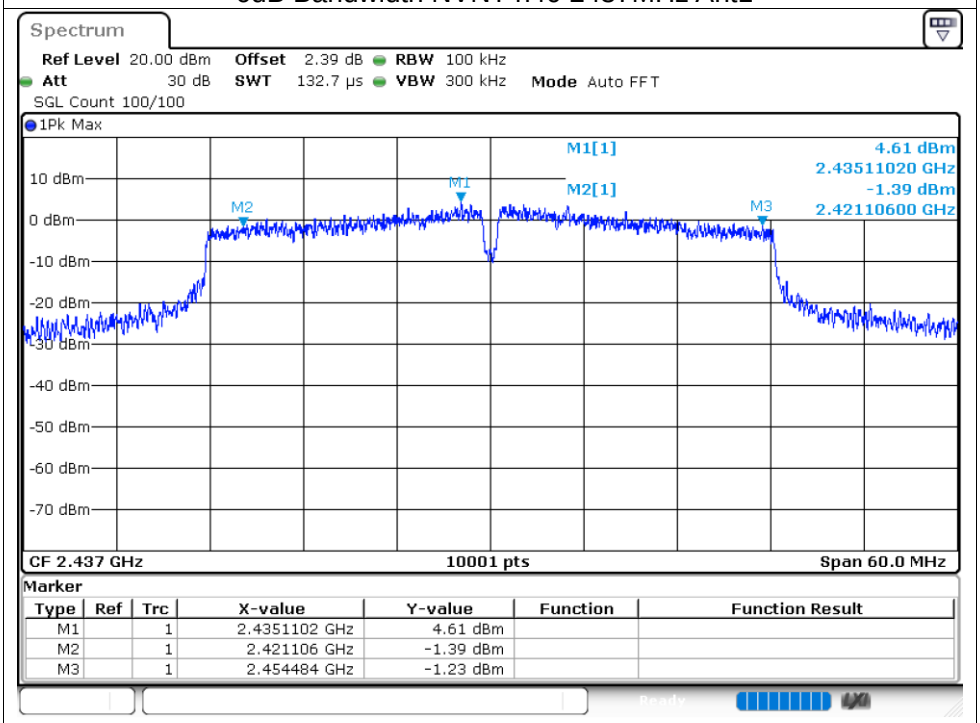

-6dB Bandwidth NVNT n20 2462MHz Ant2



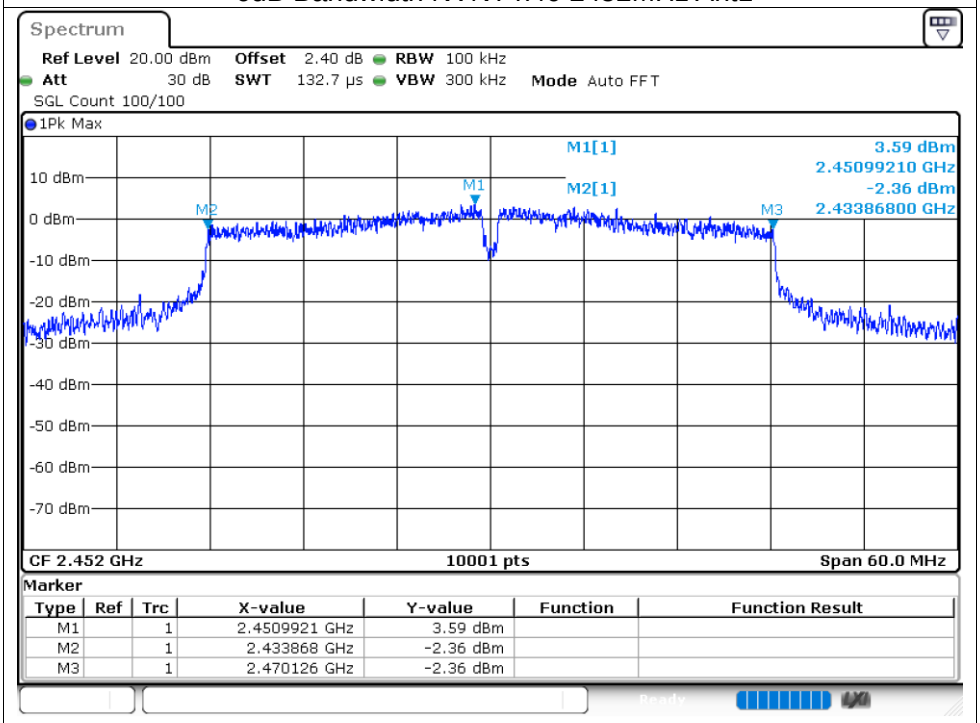
-6dB Bandwidth NVNT n40 2422MHz Ant1



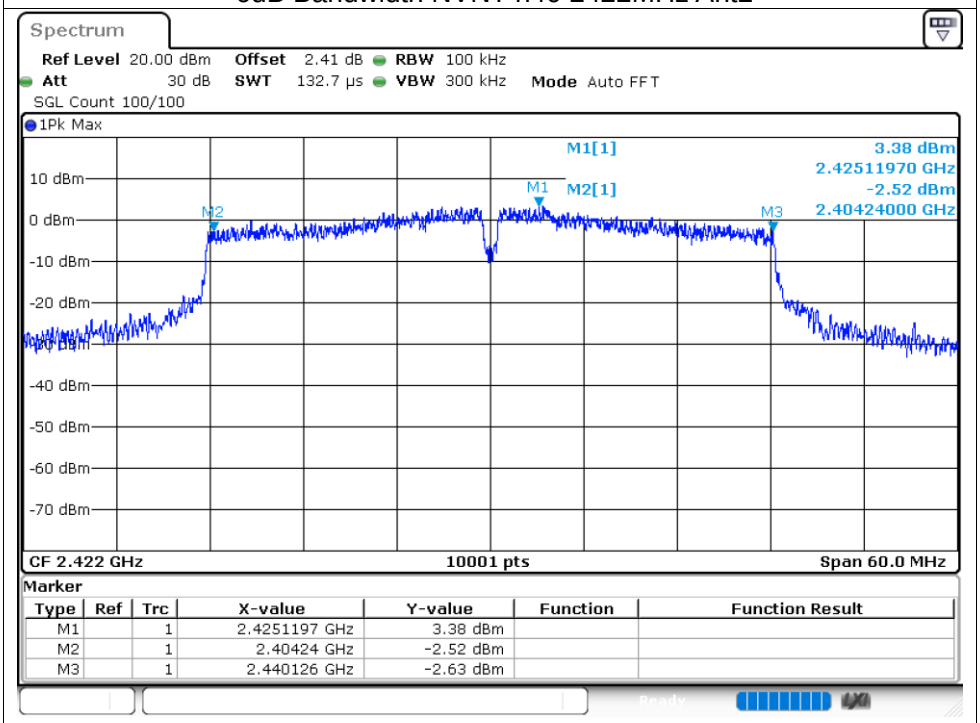

-6dB Bandwidth NVNT n40 2437MHz Ant1



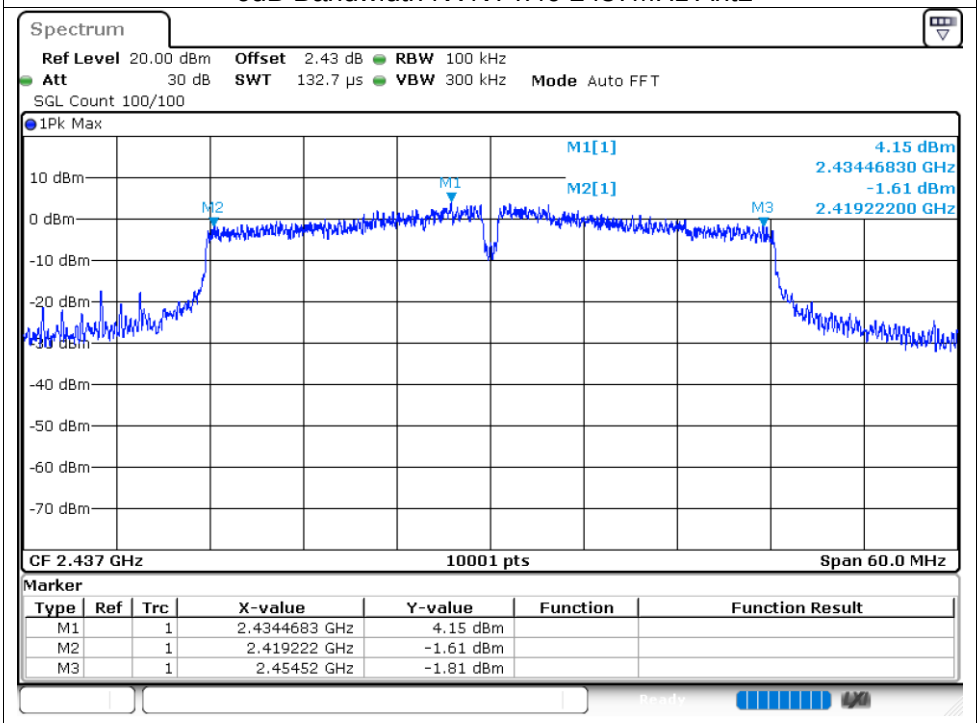
-6dB Bandwidth NVNT n40 2452MHz Ant1



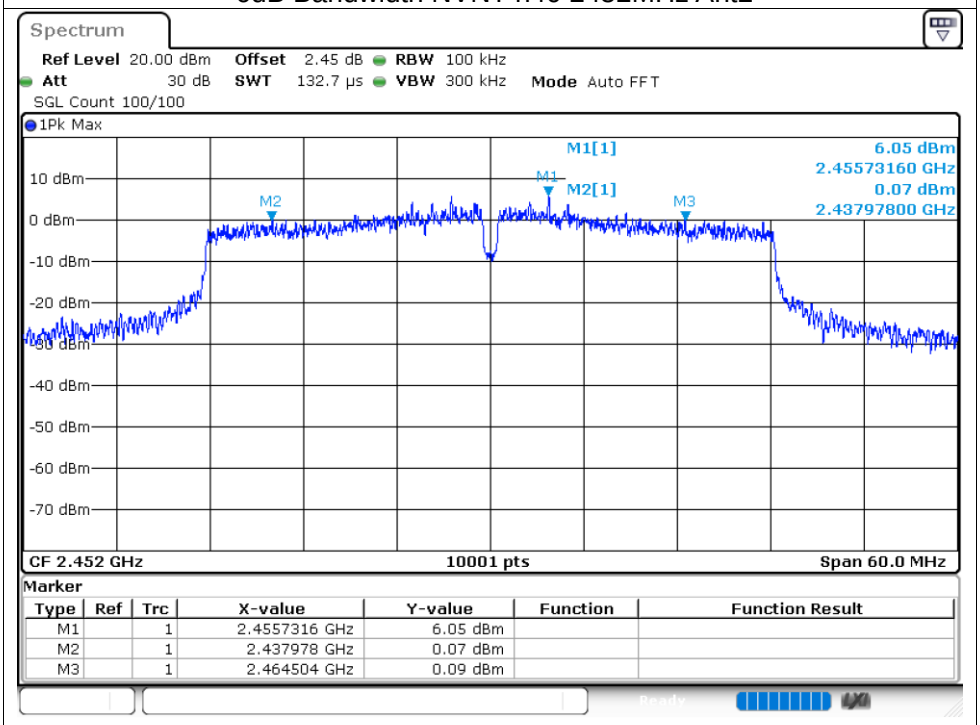

-6dB Bandwidth NVNT n40 2422MHz Ant2



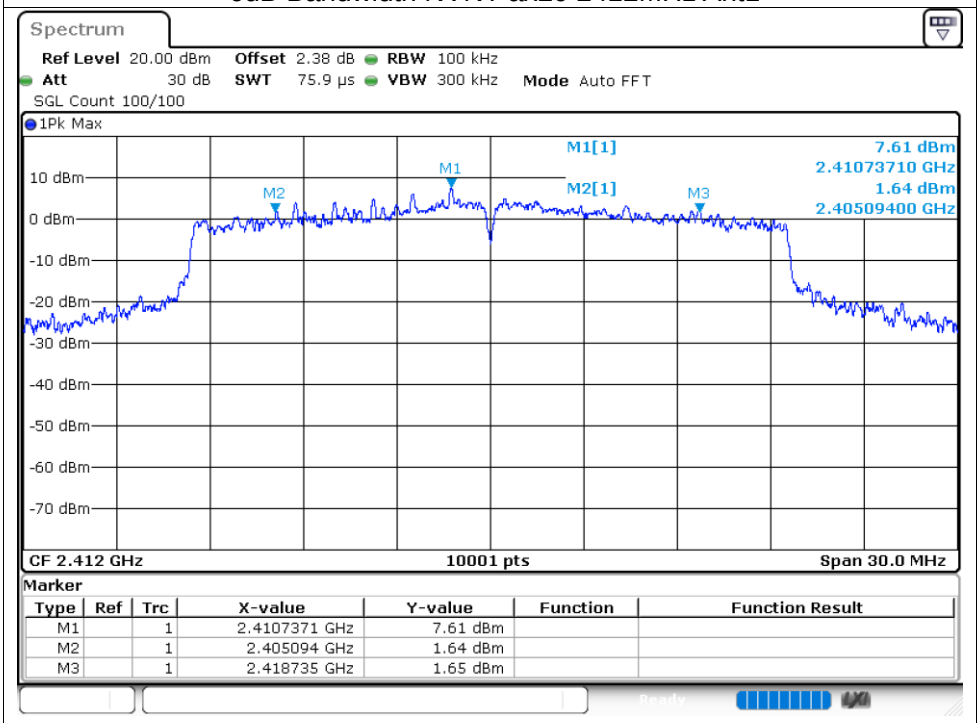
-6dB Bandwidth NVNT n40 2437MHz Ant2




-6dB Bandwidth NVNT n40 2452MHz Ant2



-6dB Bandwidth NVNT ax20 2412MHz Ant1

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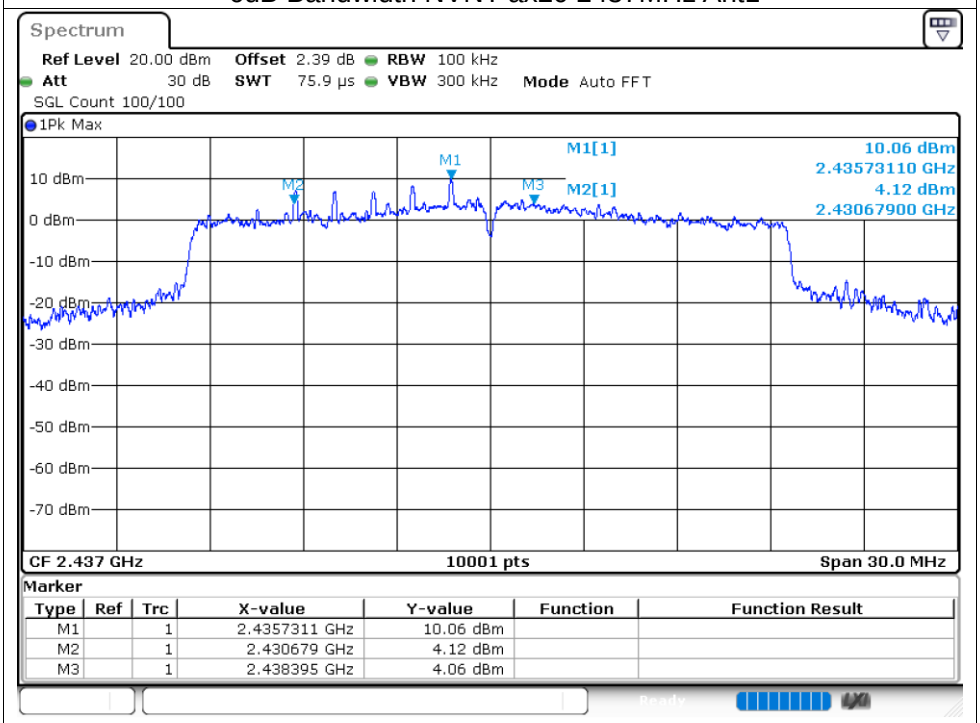
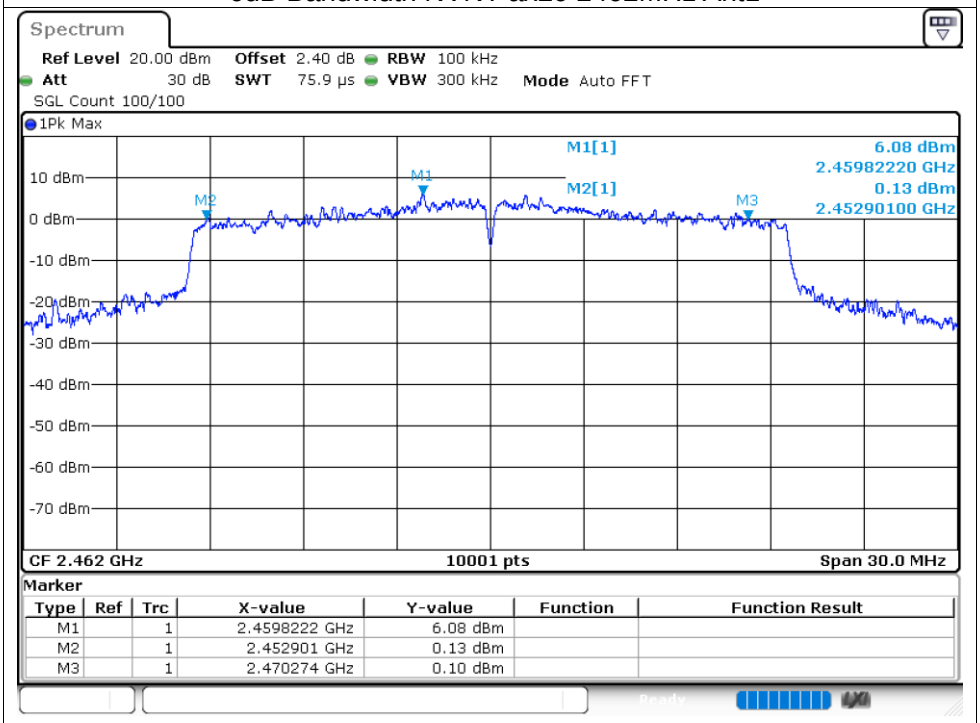
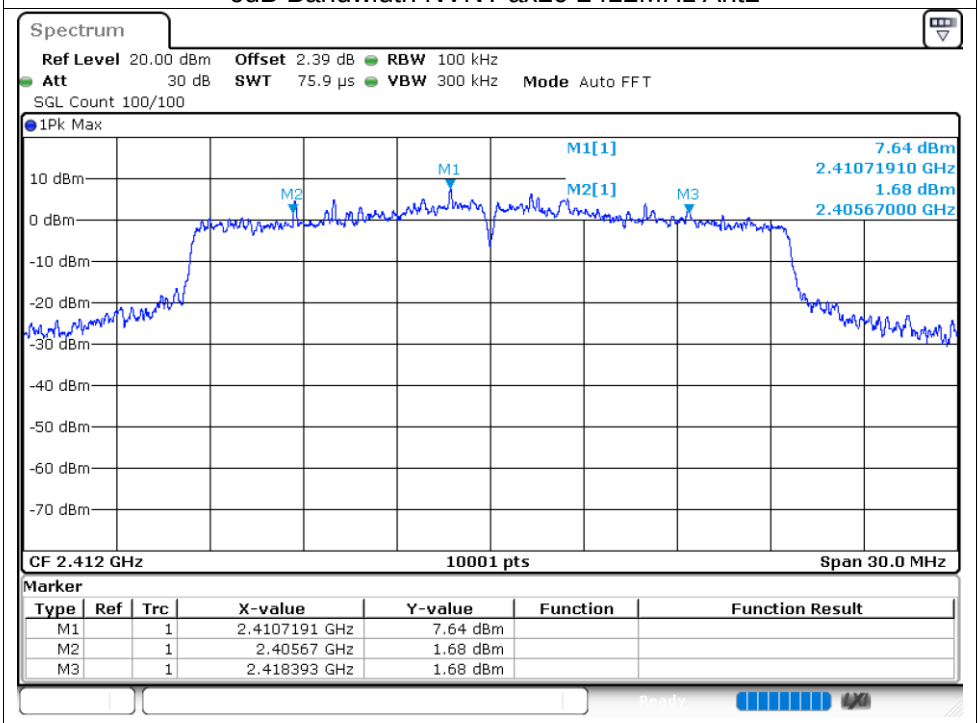


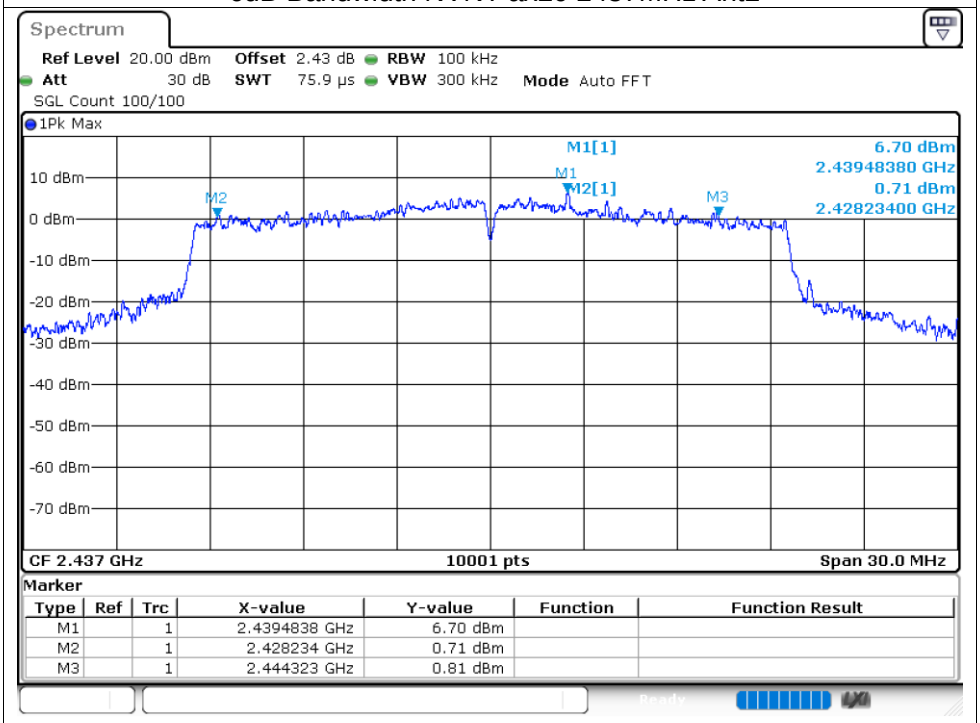
-6dB Bandwidth NVNT ax20 2462MHz Ant1



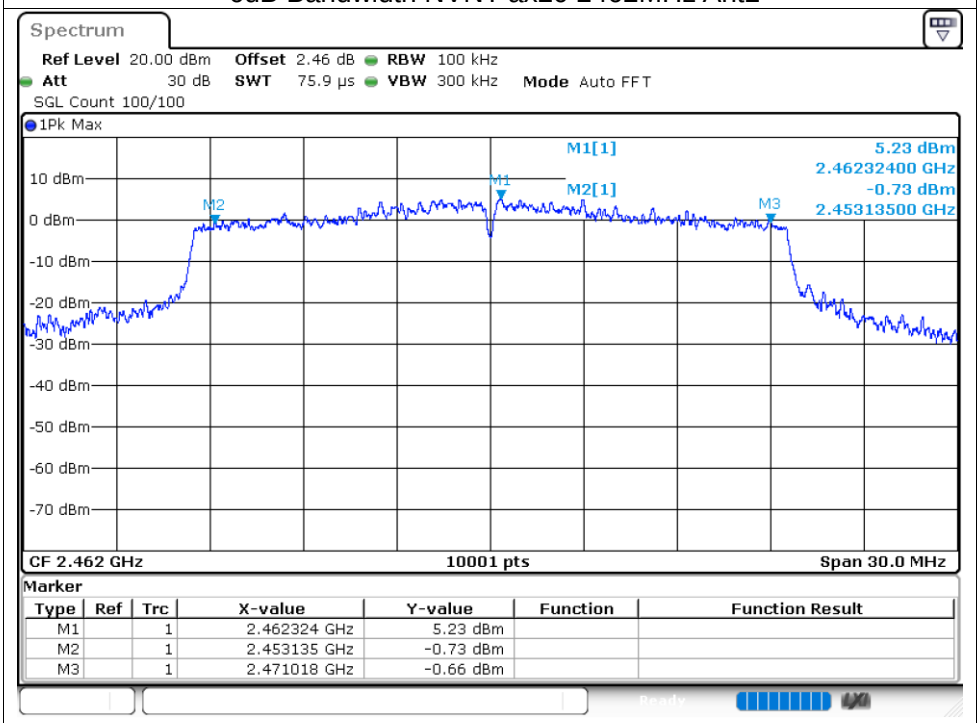

-6dB Bandwidth NVNT ax20 2412MHz Ant2



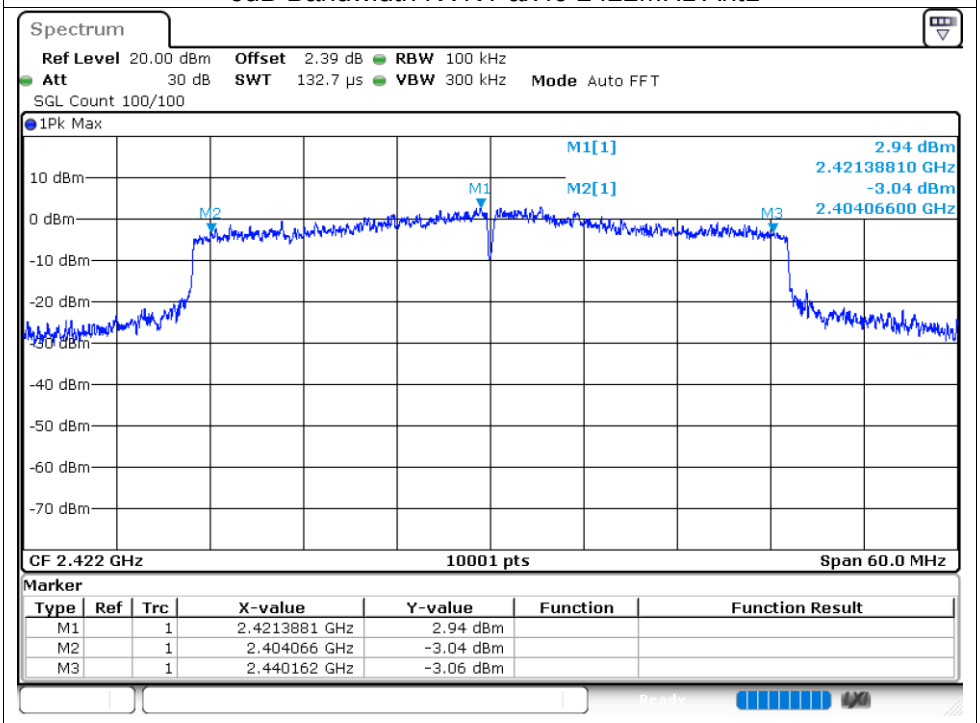
-6dB Bandwidth NVNT ax20 2437MHz Ant2



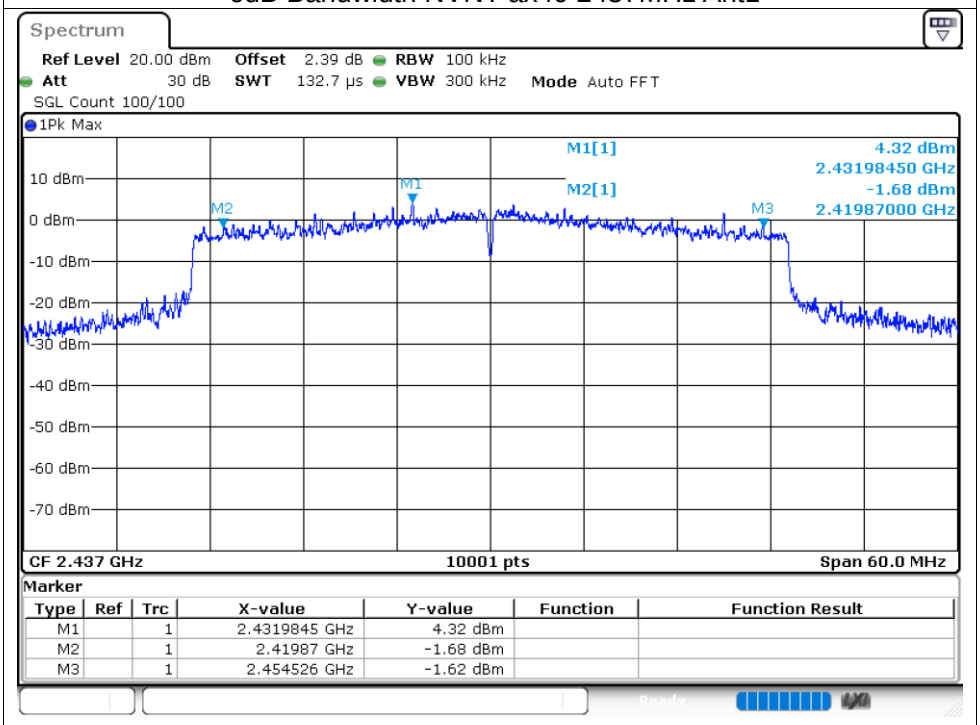

-6dB Bandwidth NVNT ax20 2462MHz Ant2



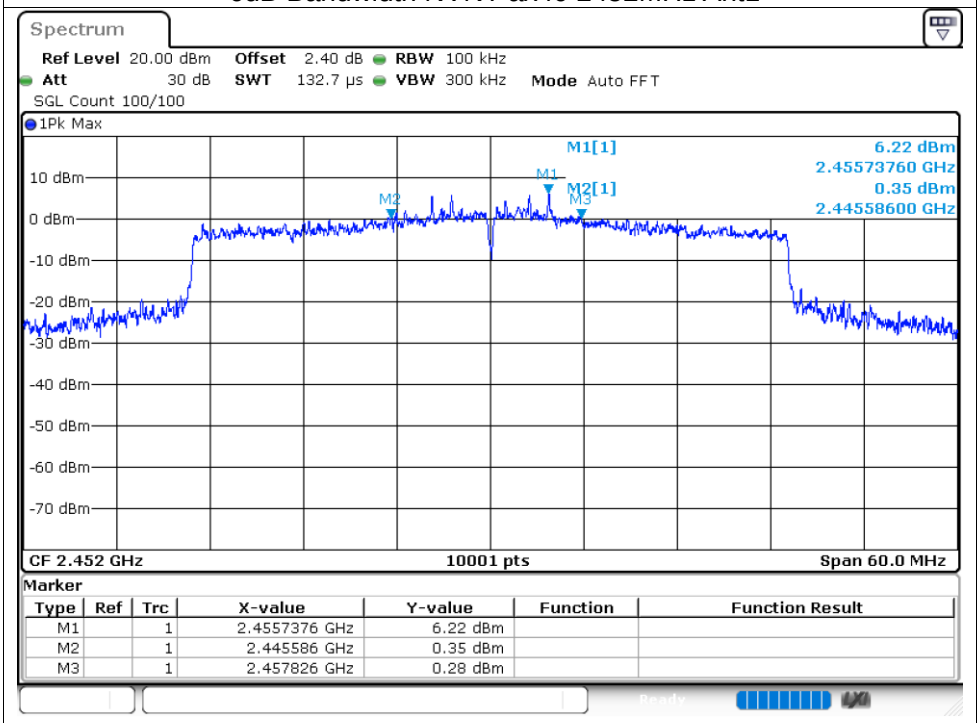
-6dB Bandwidth NVNT ax40 2422MHz Ant1



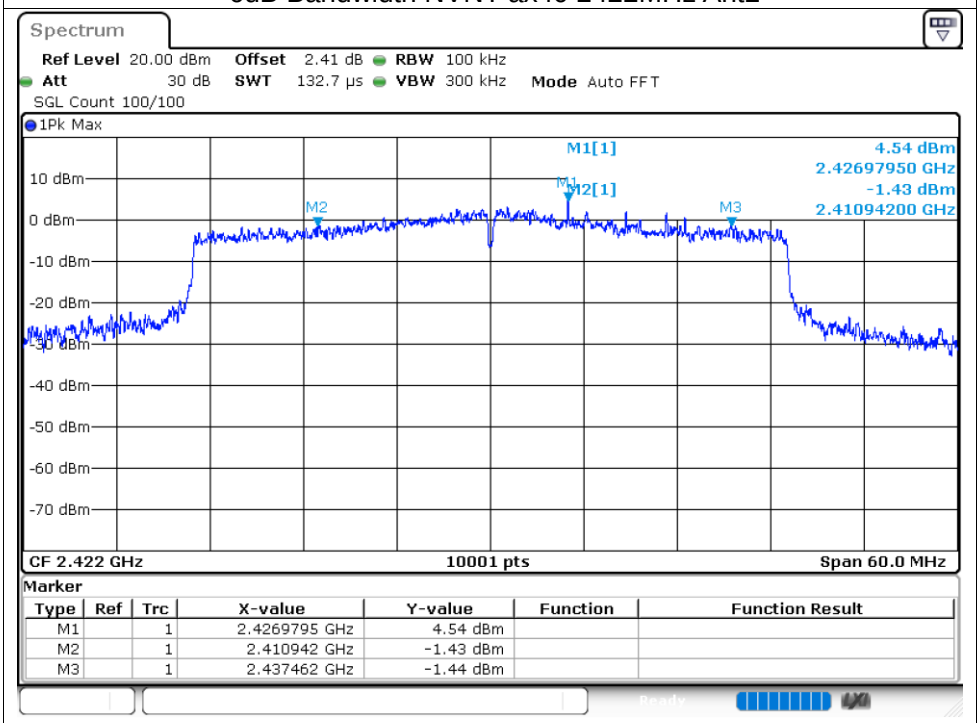

-6dB Bandwidth NVNT ax40 2437MHz Ant1



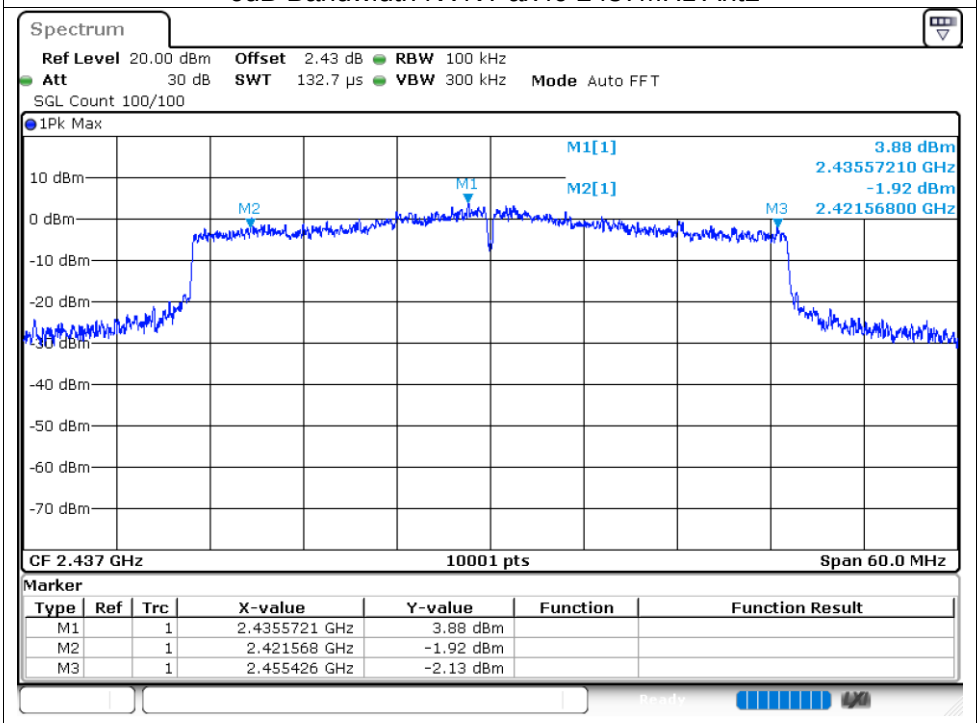
-6dB Bandwidth NVNT ax40 2452MHz Ant1




-6dB Bandwidth NVNT ax40 2422MHz Ant2



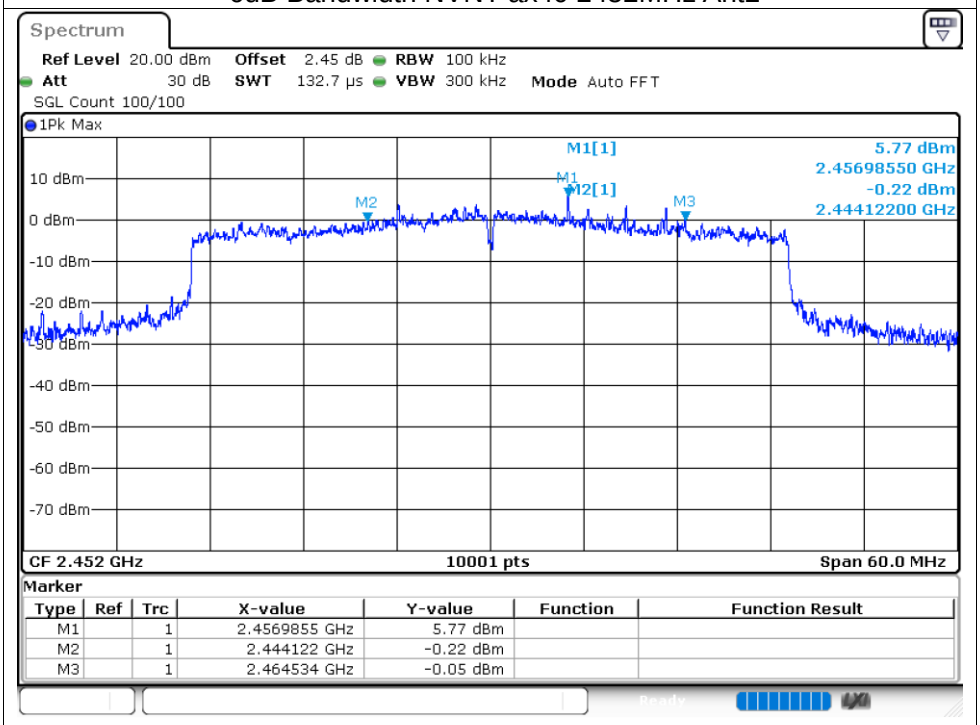
-6dB Bandwidth NVNT ax40 2437MHz Ant2




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.4355721 GHz | 3.88 dBm | | |
| M2 | | 1 | 2.421568 GHz | -1.92 dBm | | |
| M3 | | 1 | 2.455426 GHz | -2.13 dBm | | |

-6dB Bandwidth NVNT ax40 2452MHz Ant2




Marker

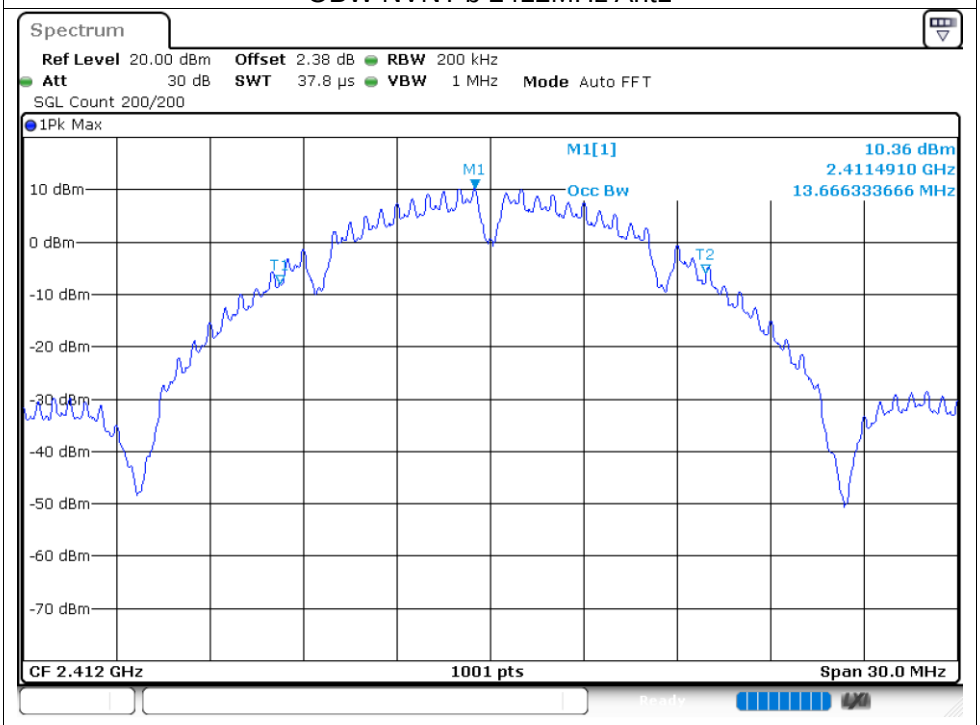
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.4569855 GHz | 5.77 dBm | | |
| M2 | | 1 | 2.444122 GHz | -0.22 dBm | | |
| M3 | | 1 | 2.464534 GHz | -0.05 dBm | | |

## 8.1.4 Occupied Channel Bandwidth

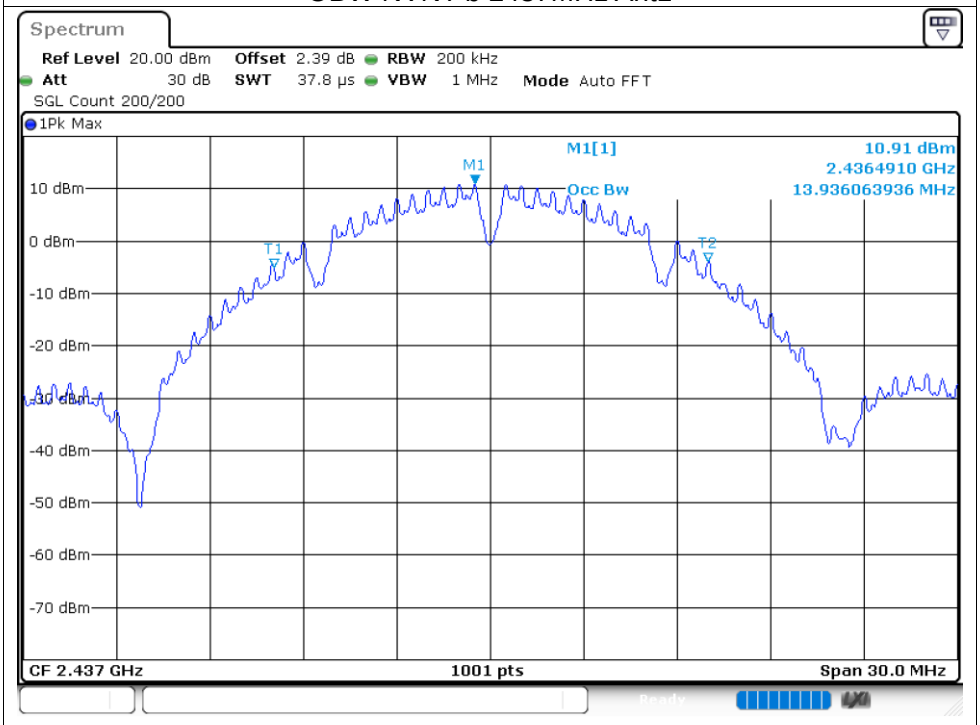
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 13.666 |
| NVNT | b | 2437 | Ant1 | 13.936 |
| NVNT | b | 2462 | Ant1 | 13.786 |
| NVNT | b | 2412 | Ant2 | 13.343 |
| NVNT | b | 2437 | Ant2 | 13.499 |
| NVNT | b | 2462 | Ant2 | 13.379 |
| NVNT | g | 2412 | Ant1 | 16.498 |
| NVNT | g | 2437 | Ant1 | 16.525 |
| NVNT | g | 2462 | Ant1 | 16.498 |
| NVNT | g | 2412 | Ant2 | 16.315 |
| NVNT | g | 2437 | Ant2 | 16.315 |
| NVNT | g | 2462 | Ant2 | 16.321 |
| NVNT | n20 | 2412 | Ant1 | 17.623 |
| NVNT | n20 | 2437 | Ant1 | 17.731 |
| NVNT | n20 | 2462 | Ant1 | 17.602 |
| NVNT | n20 | 2412 | Ant2 | 17.545 |
| NVNT | n20 | 2437 | Ant2 | 17.605 |
| NVNT | n20 | 2462 | Ant2 | 17.521 |
| NVNT | n40 | 2422 | Ant1 | 36.098 |
| NVNT | n40 | 2437 | Ant1 | 36.182 |
| NVNT | n40 | 2452 | Ant1 | 36.152 |
| NVNT | n40 | 2422 | Ant2 | 36.032 |
| NVNT | n40 | 2437 | Ant2 | 36.044 |
| NVNT | n40 | 2452 | Ant2 | 36.08 |
| NVNT | ax20 | 2412 | Ant1 | 18.844 |
| NVNT | ax20 | 2437 | Ant1 | 18.949 |
| NVNT | ax20 | 2462 | Ant1 | 18.886 |
| NVNT | ax20 | 2412 | Ant2 | 18.874 |
| NVNT | ax20 | 2437 | Ant2 | 18.793 |
| NVNT | ax20 | 2462 | Ant2 | 18.859 |
| NVNT | ax40 | 2422 | Ant1 | 37.658 |
| NVNT | ax40 | 2437 | Ant1 | 37.736 |
| NVNT | ax40 | 2452 | Ant1 | 37.724 |
| NVNT | ax40 | 2422 | Ant2 | 37.604 |
| NVNT | ax40 | 2437 | Ant2 | 37.64 |
| NVNT | ax40 | 2452 | Ant2 | 37.652 |

Test Graphs

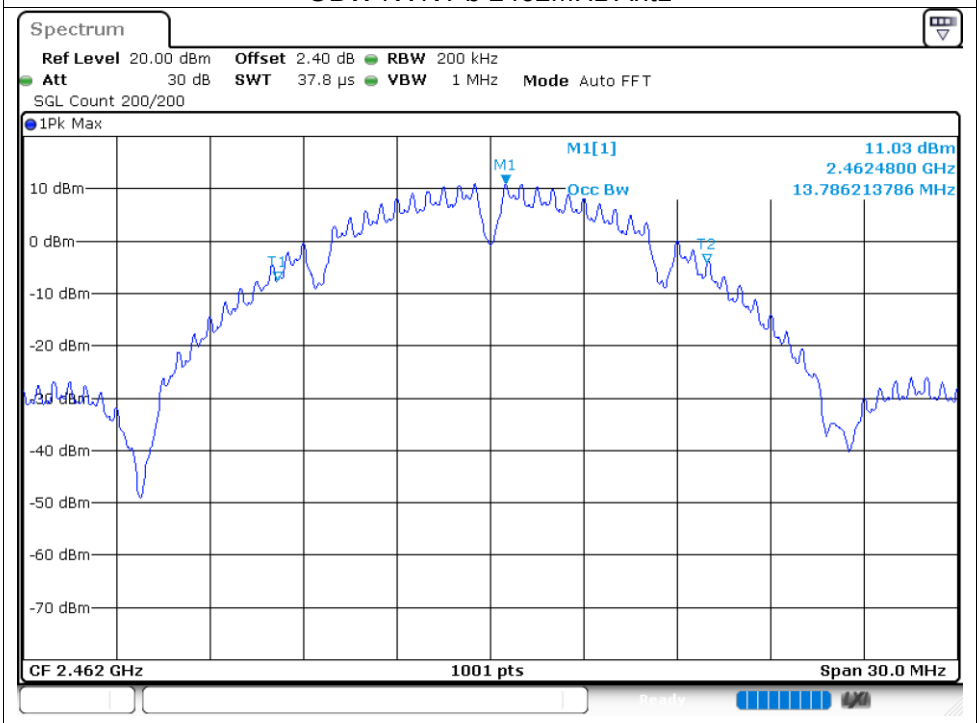
OBW NVNT b 2412MHz Ant1



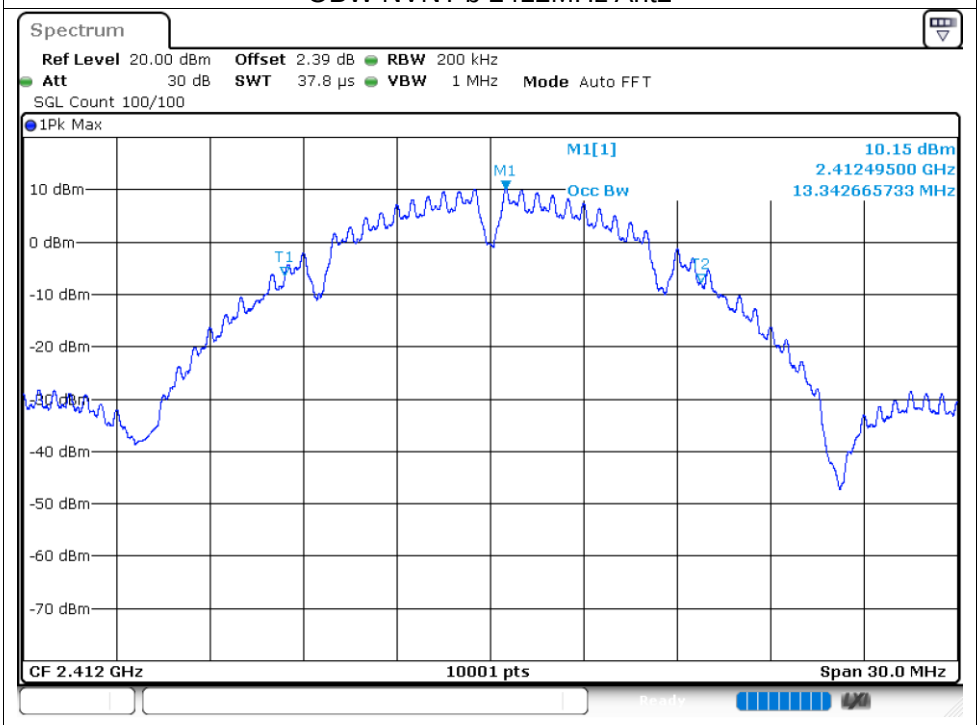

OBW NVNT b 2437MHz Ant1



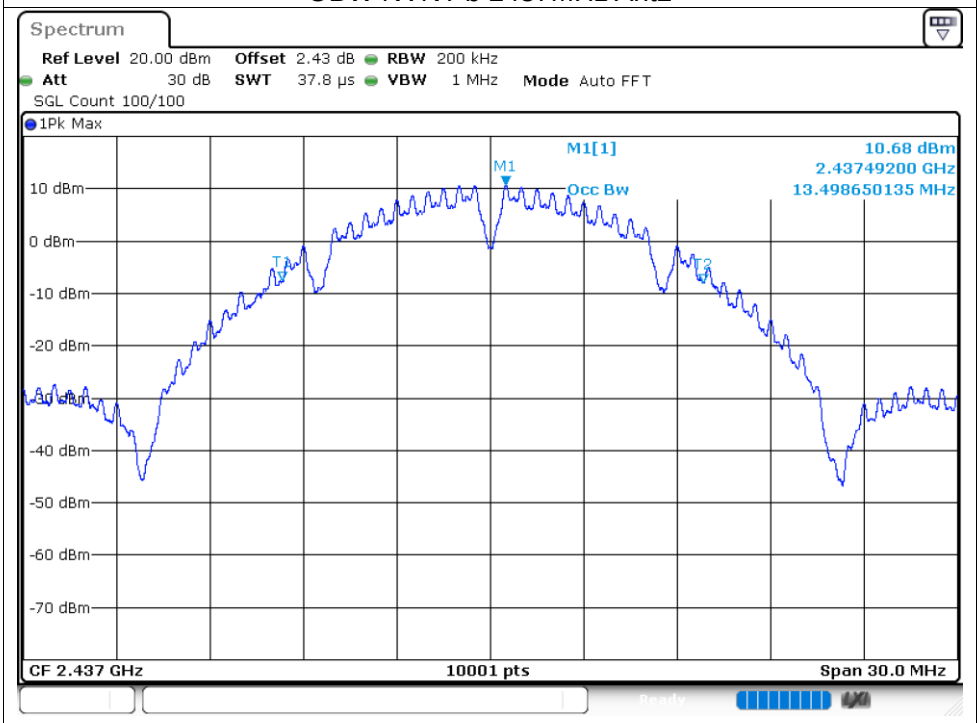
OBW NVNT b 2462MHz Ant1



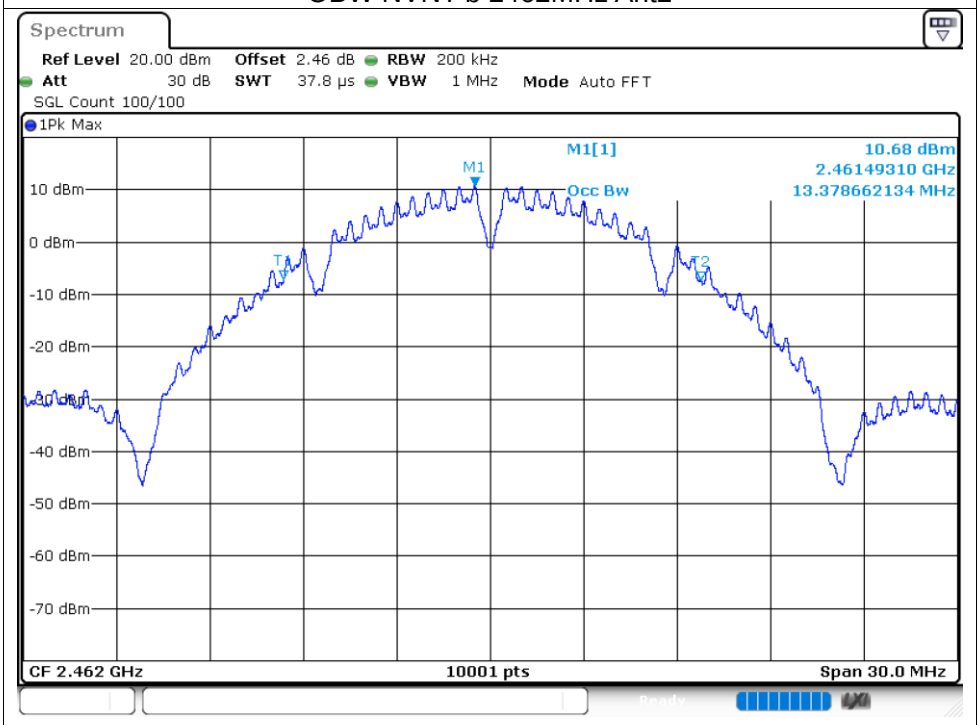

OBW NVNT b 2412MHz Ant2



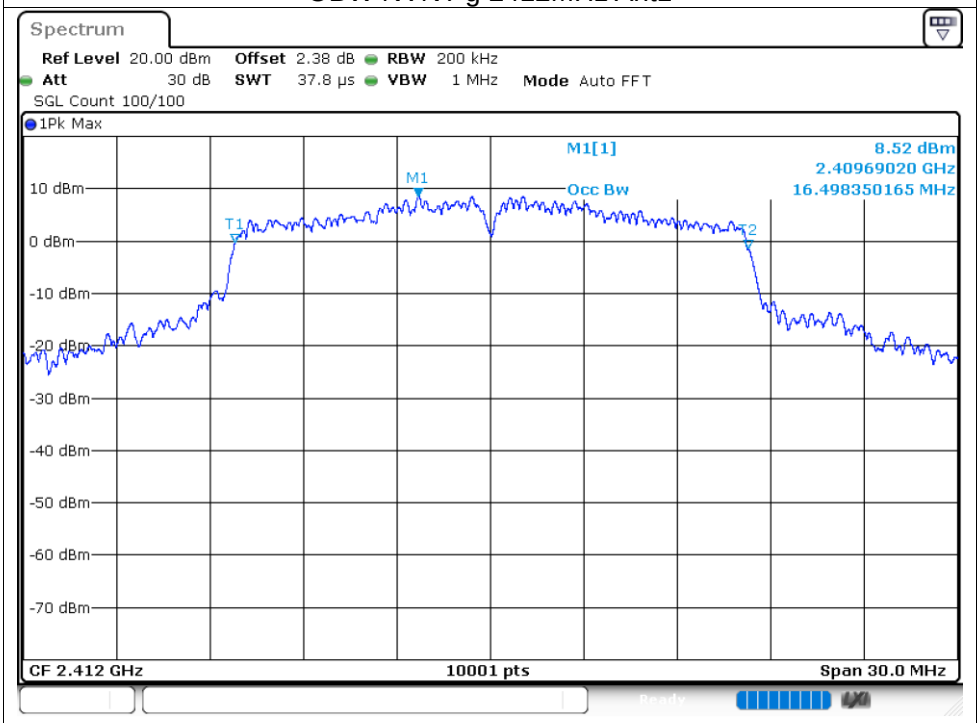
OBW NVNT b 2437MHz Ant2



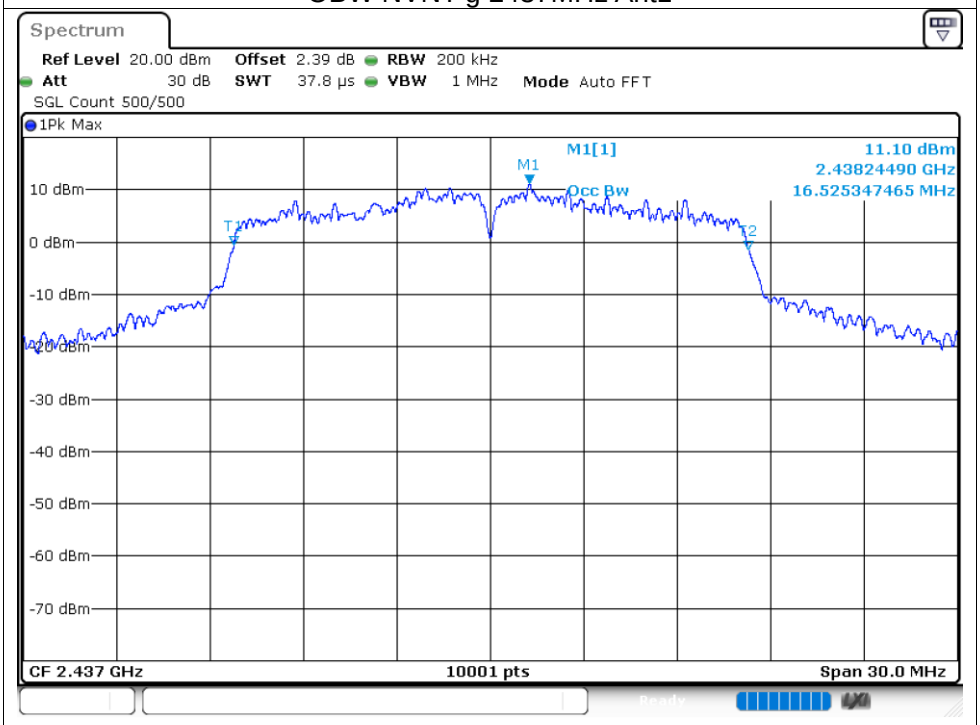

OBW NVNT b 2462MHz Ant2



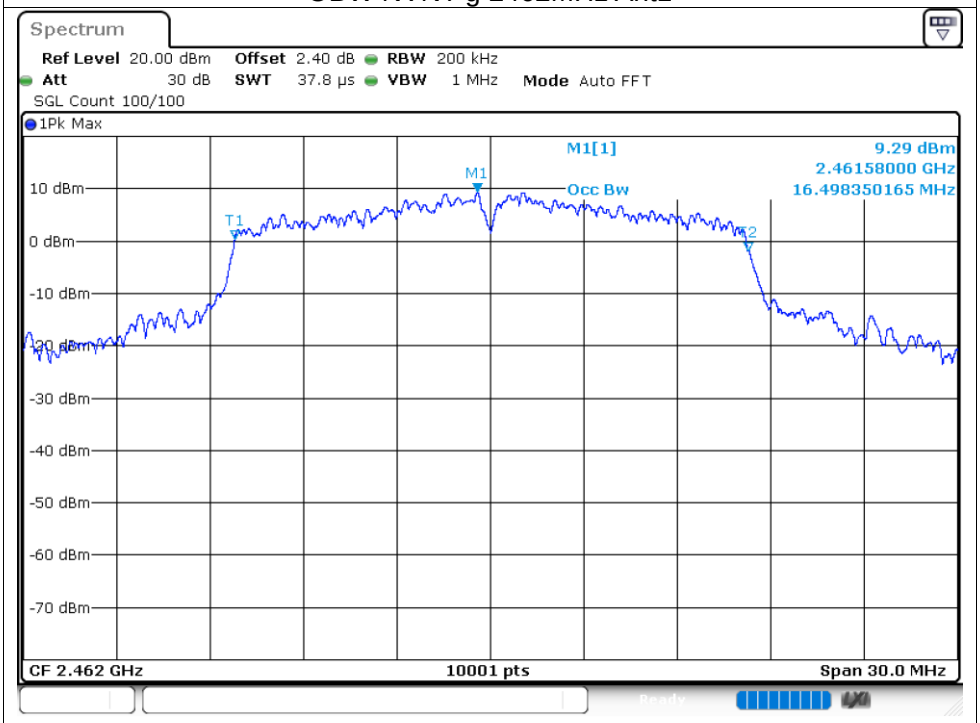
OBW NVNT g 2412MHz Ant1



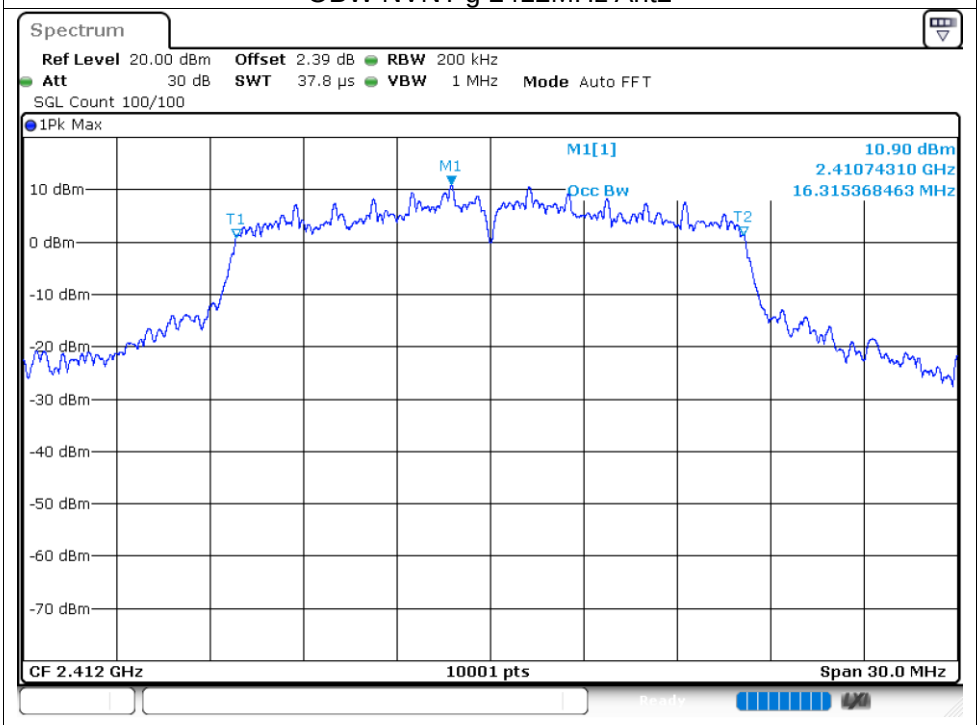

OBW NVNT g 2437MHz Ant1



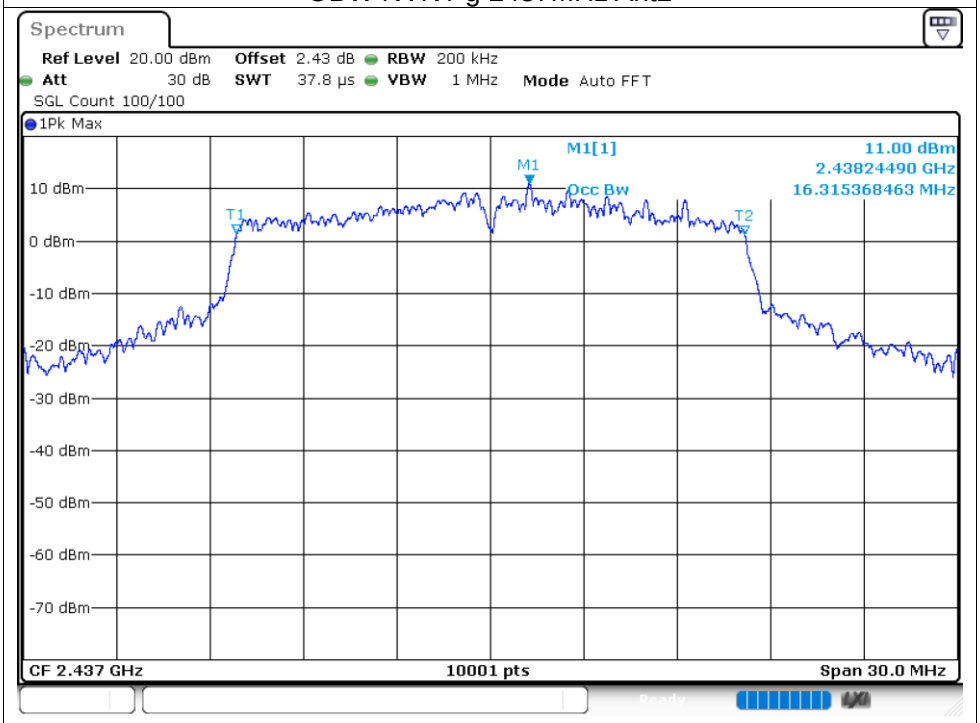
OBW NVNT g 2462MHz Ant1



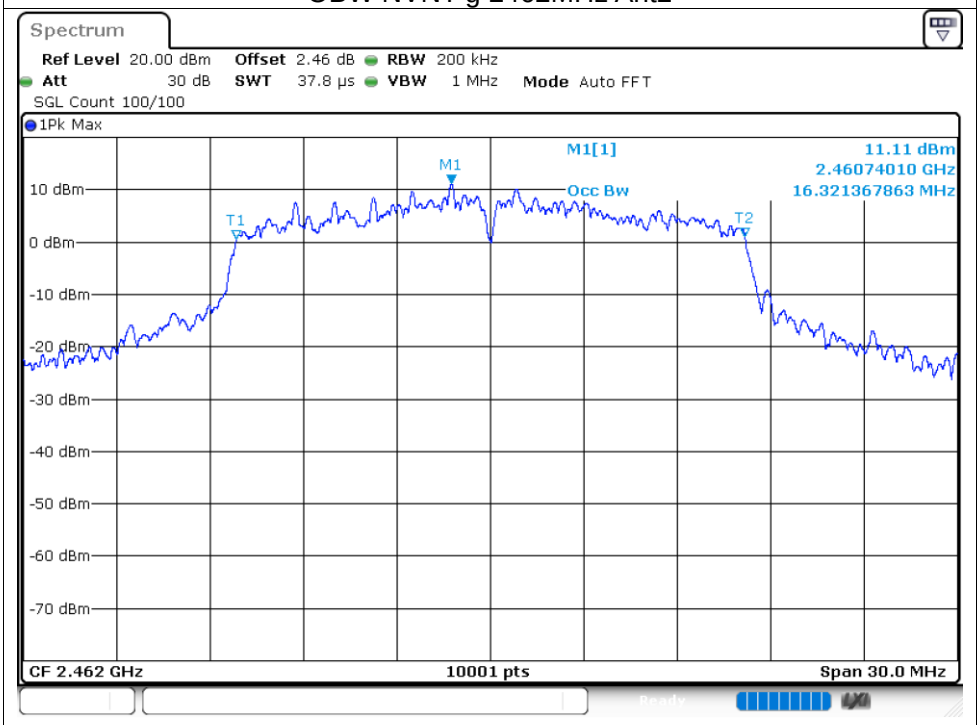

OBW NVNT g 2412MHz Ant2



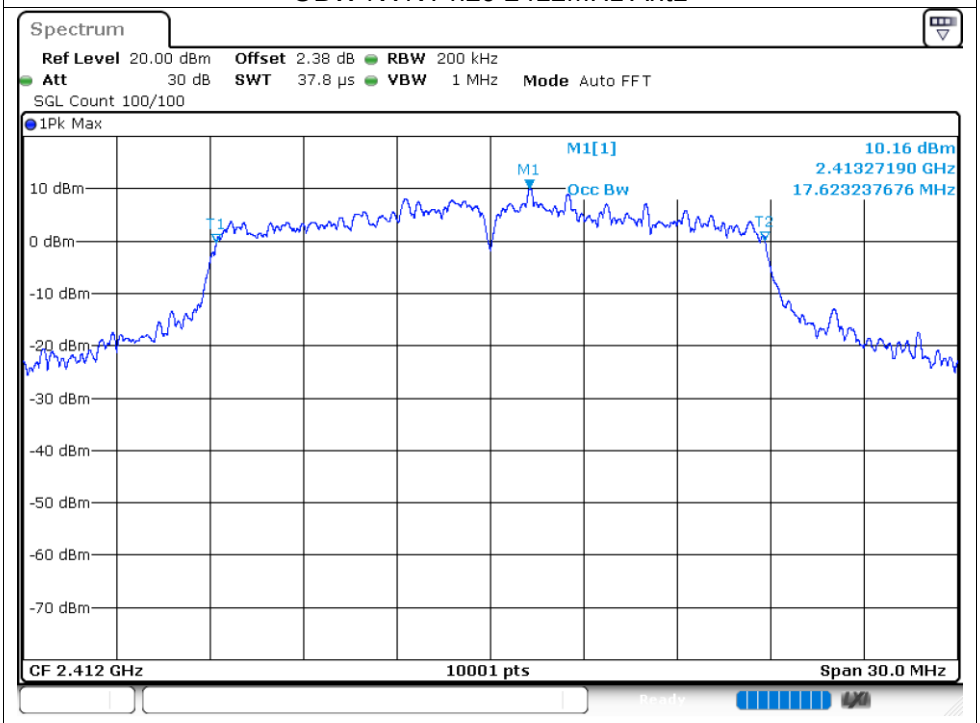
OBW NVNT g 2437MHz Ant2



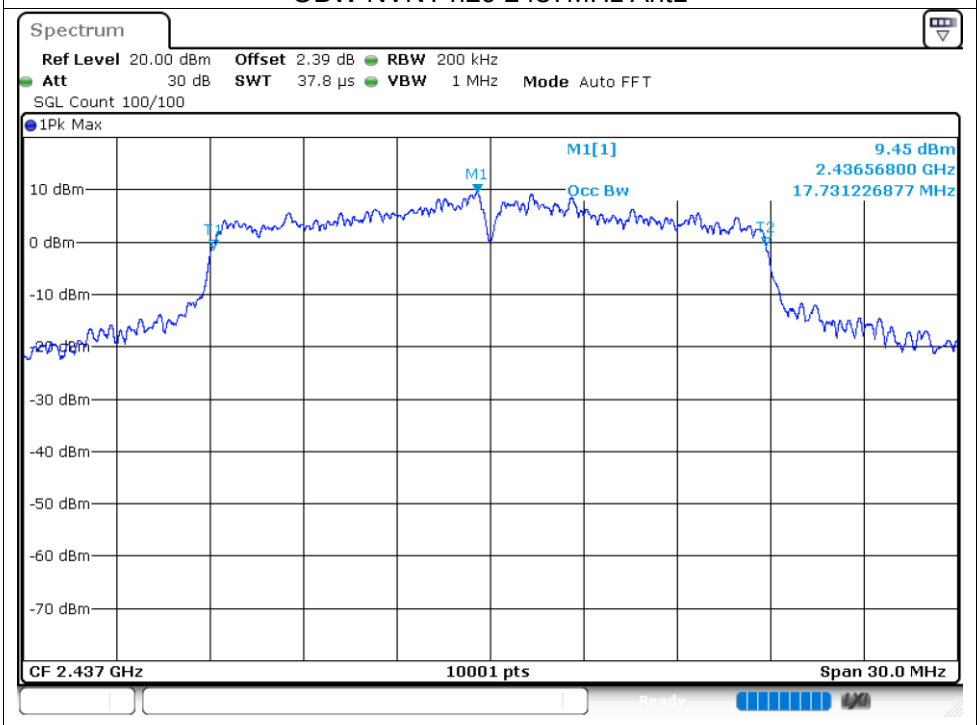

OBW NVNT g 2462MHz Ant2



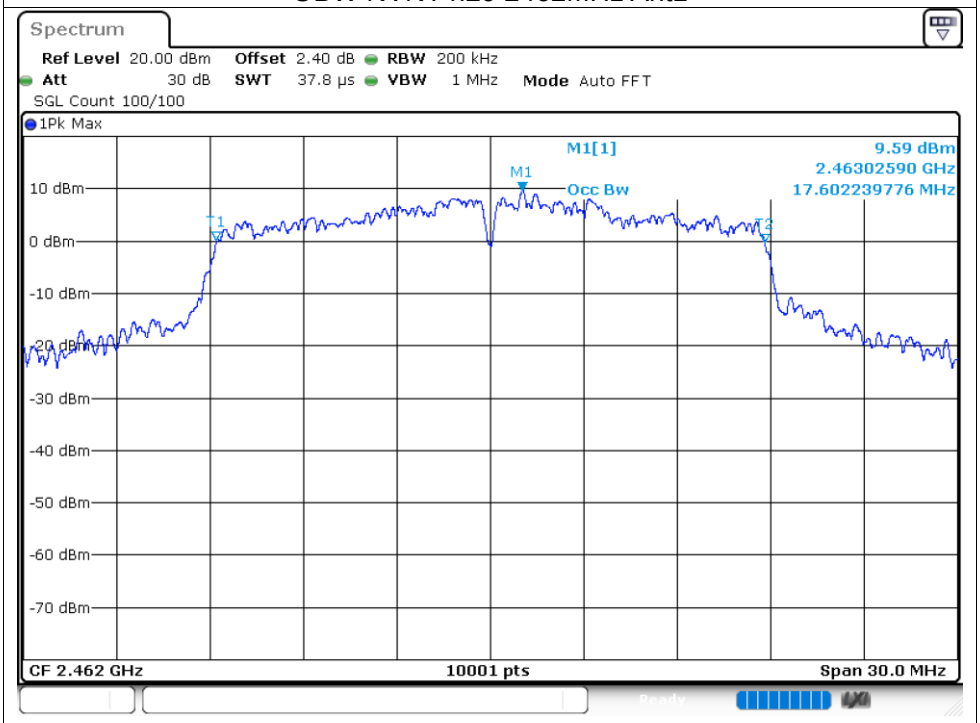
OBW NVNT n20 2412MHz Ant1




OBW NVNT n20 2437MHz Ant1



OBW NVNT n20 2462MHz Ant1

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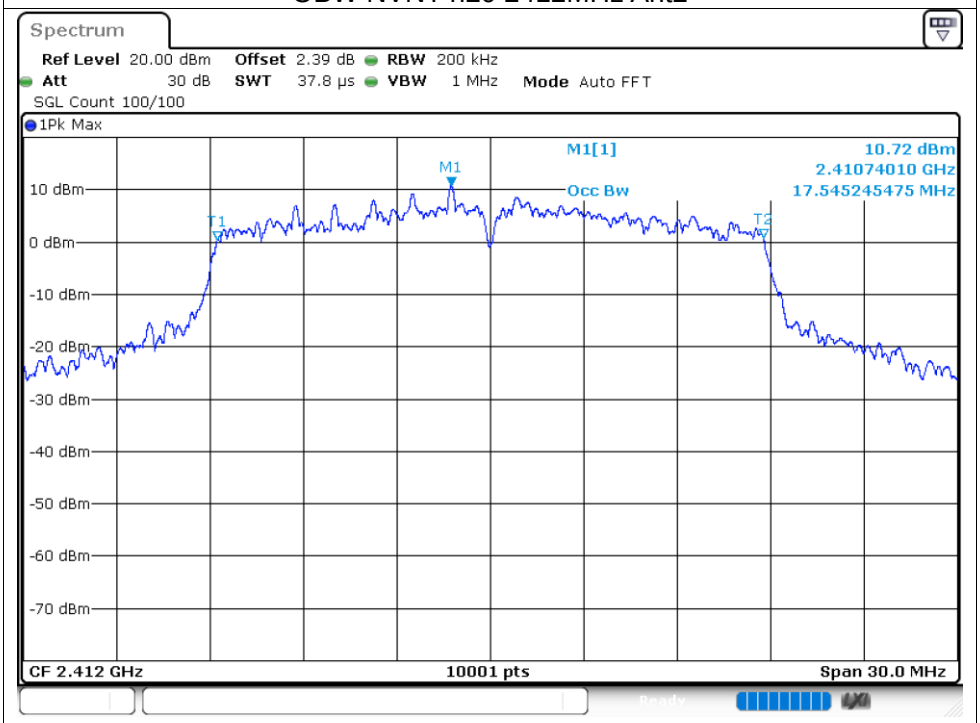
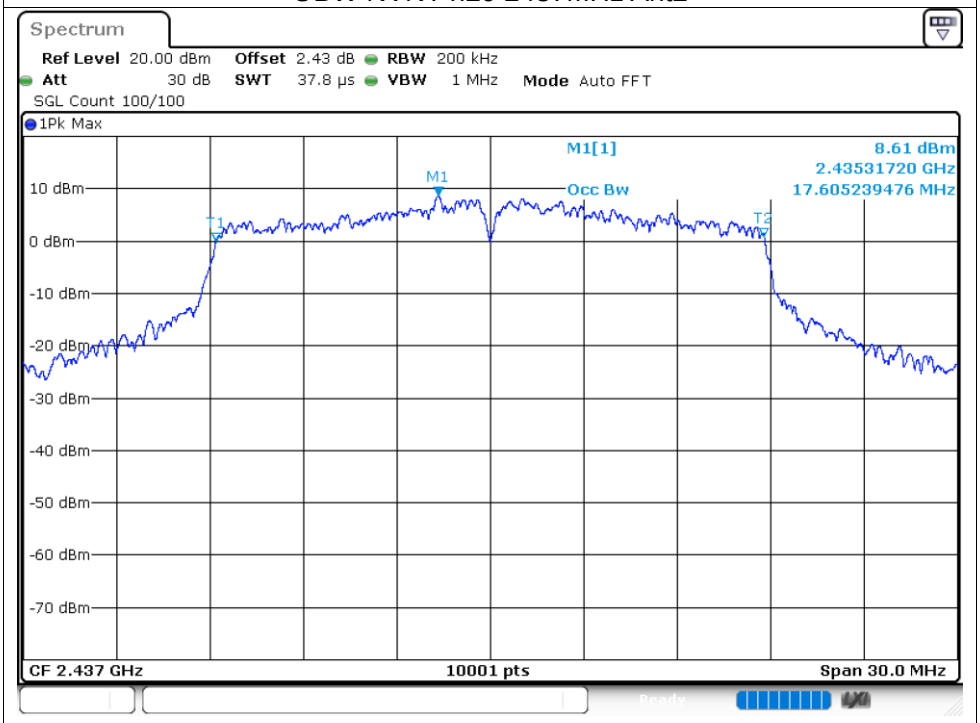
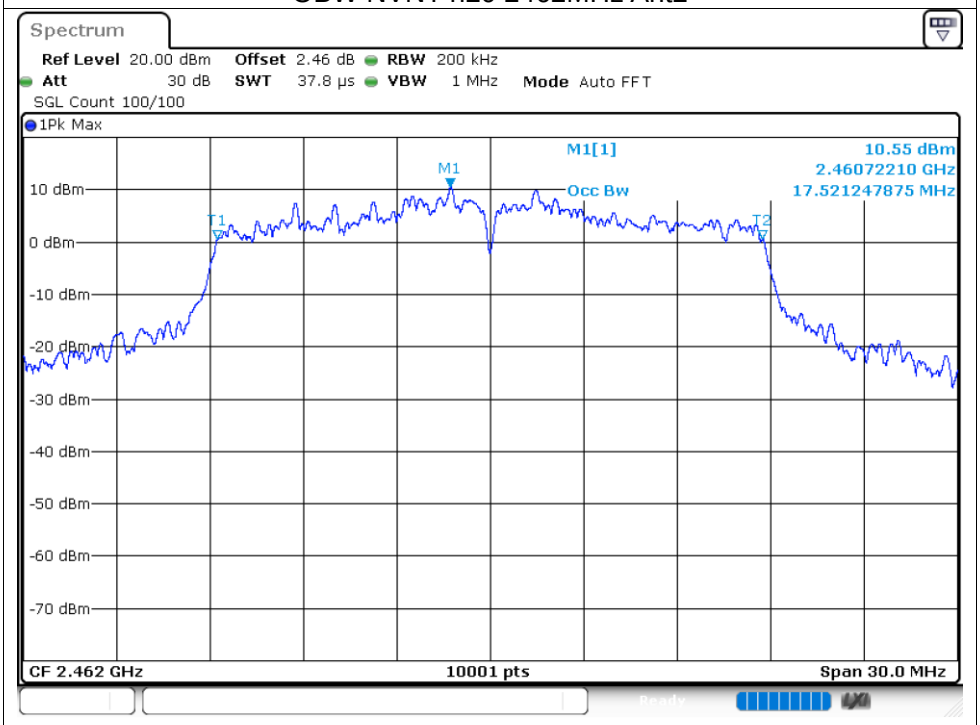


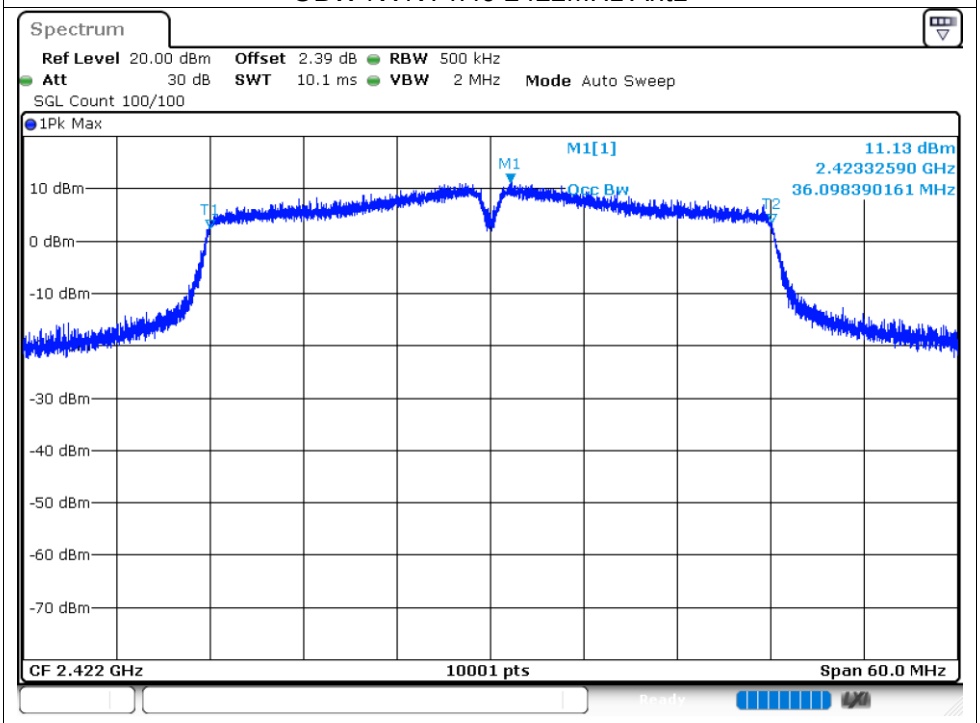
OBW NVNT n20 2437MHz Ant2



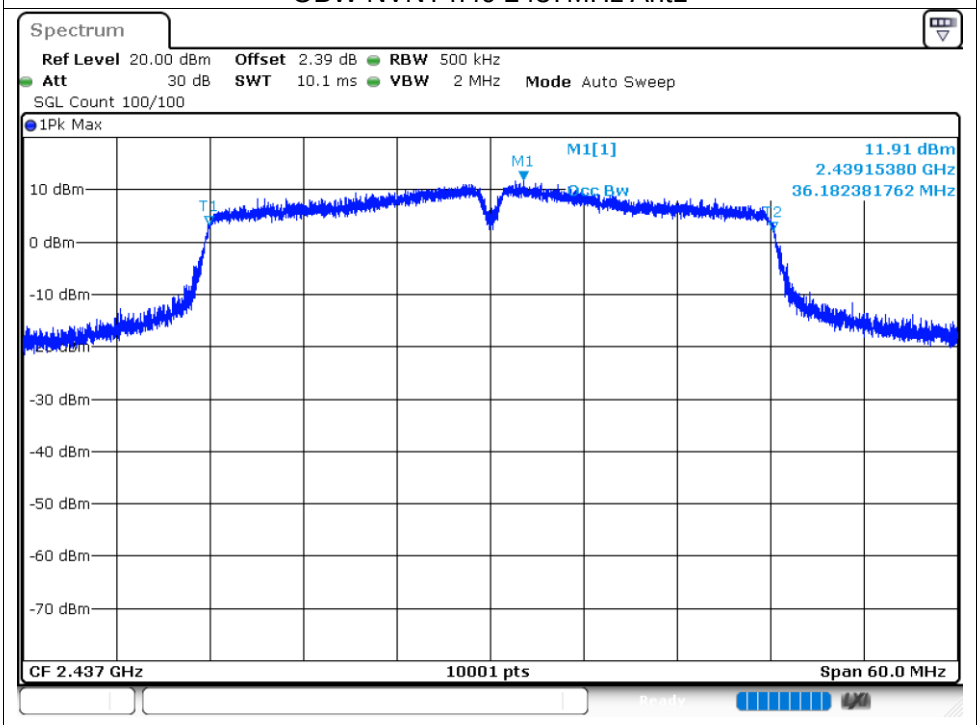

OBW NVNT n20 2462MHz Ant2



OBW NVNT n40 2422MHz Ant1




OBW NVNT n40 2437MHz Ant1



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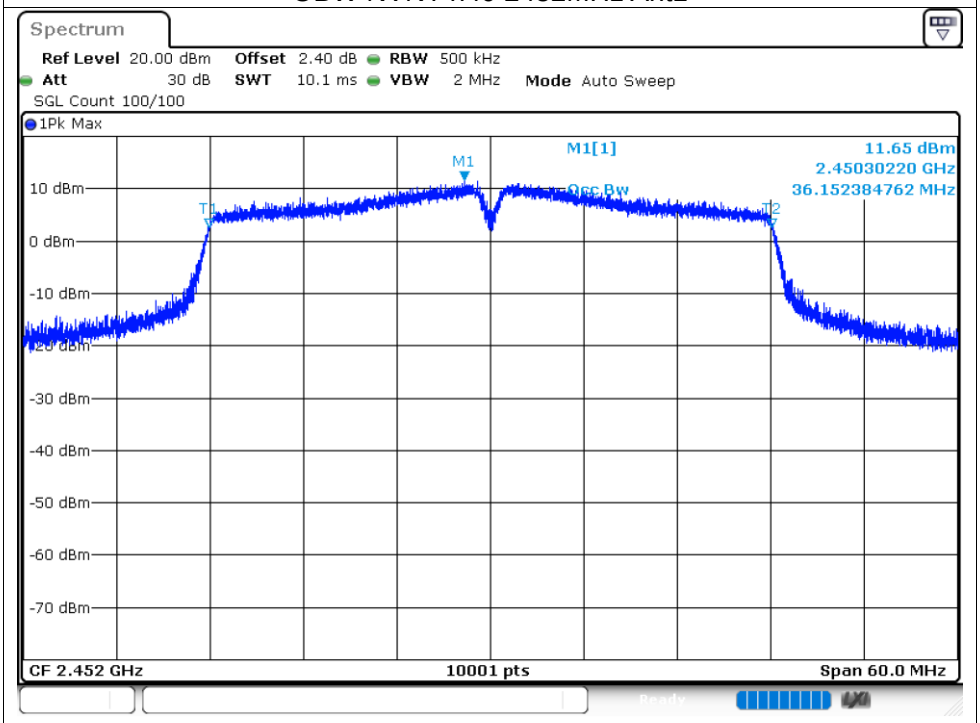
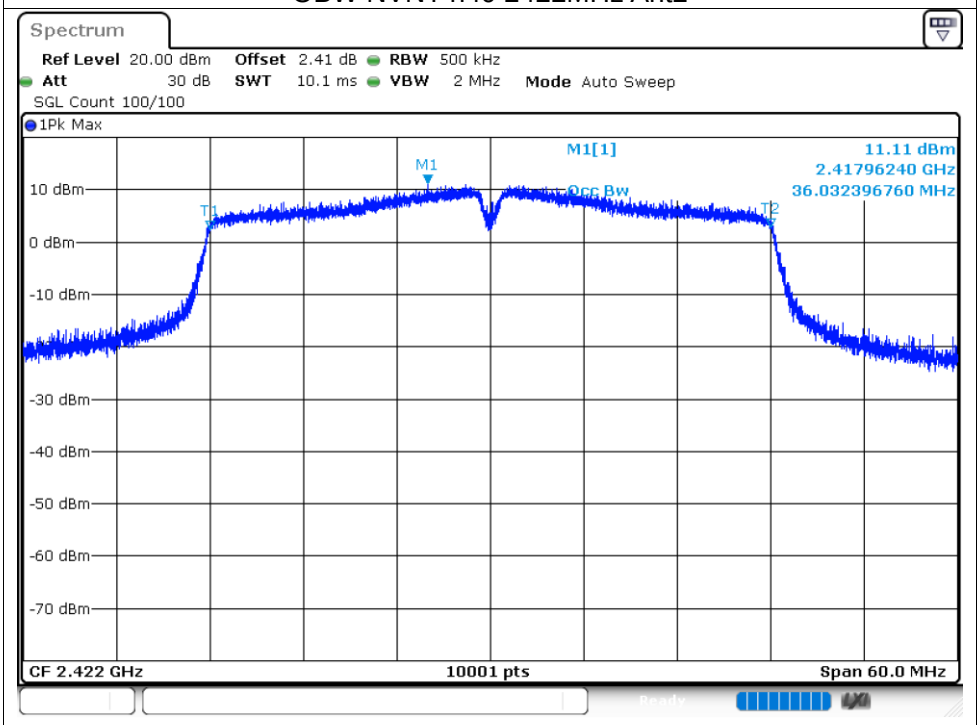
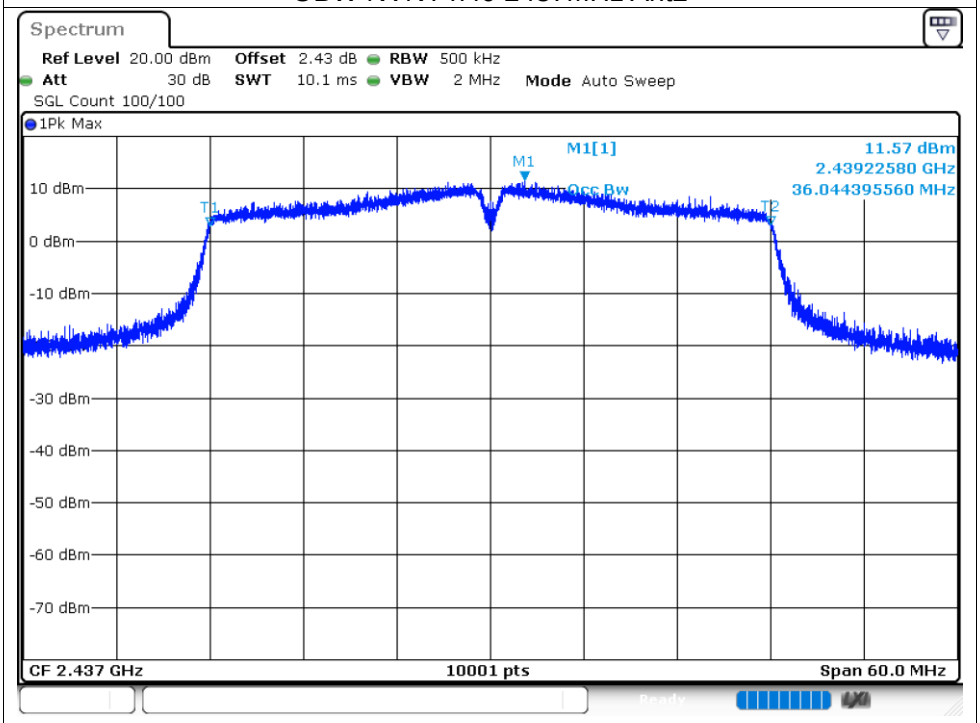


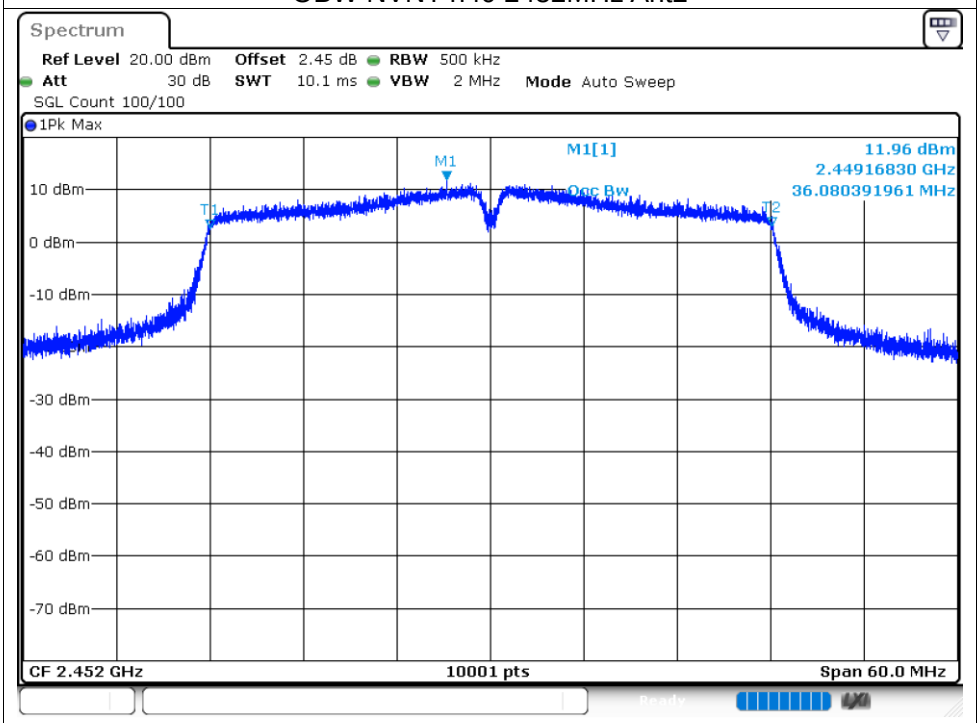

OBW NVNT n40 2422MHz Ant2



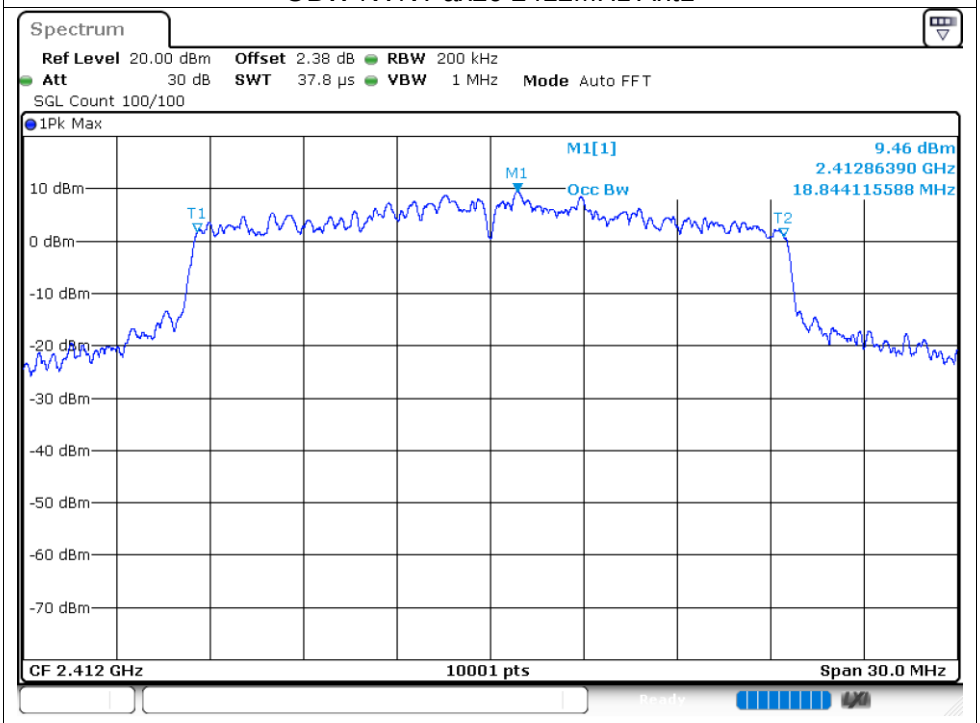
OBW NVNT n40 2437MHz Ant2



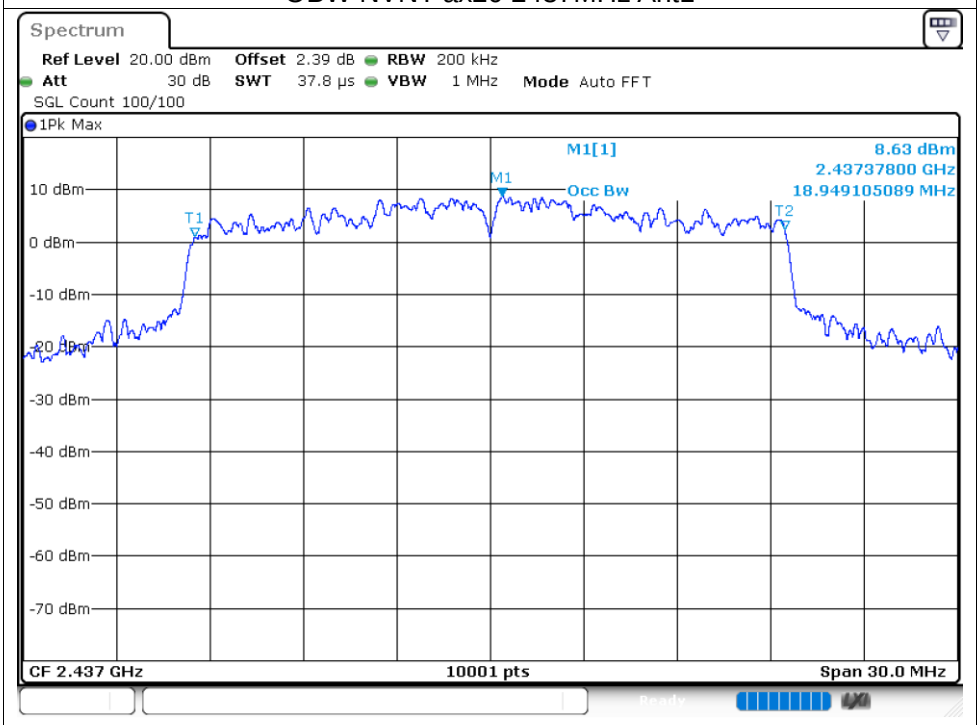

OBW NVNT n40 2452MHz Ant2



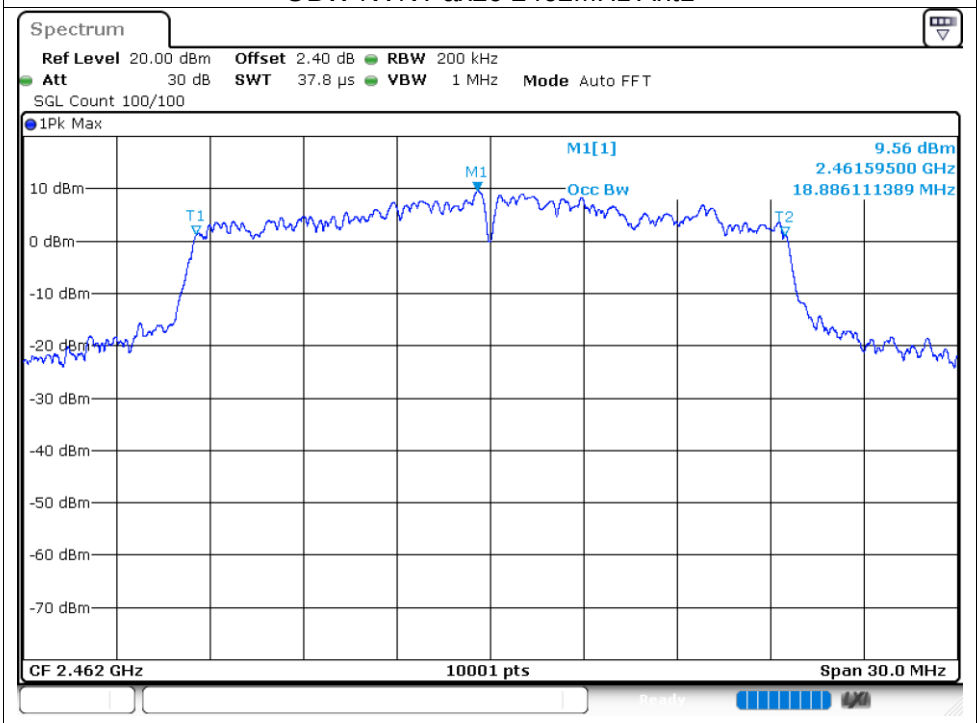
OBW NVNT ax20 2412MHz Ant1



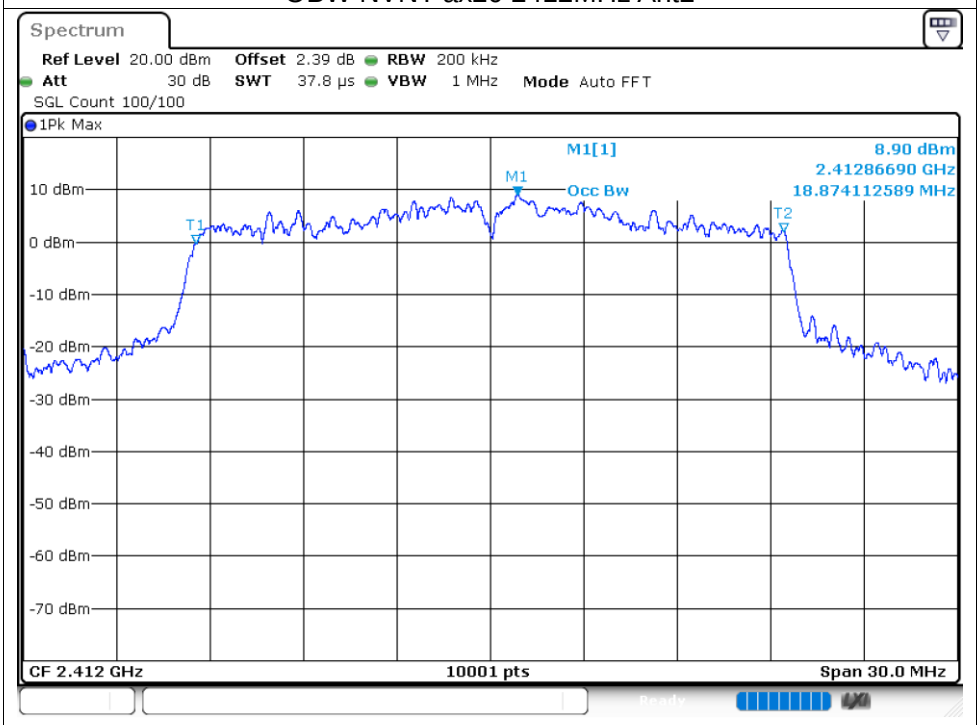

OBW NVNT ax20 2437MHz Ant1



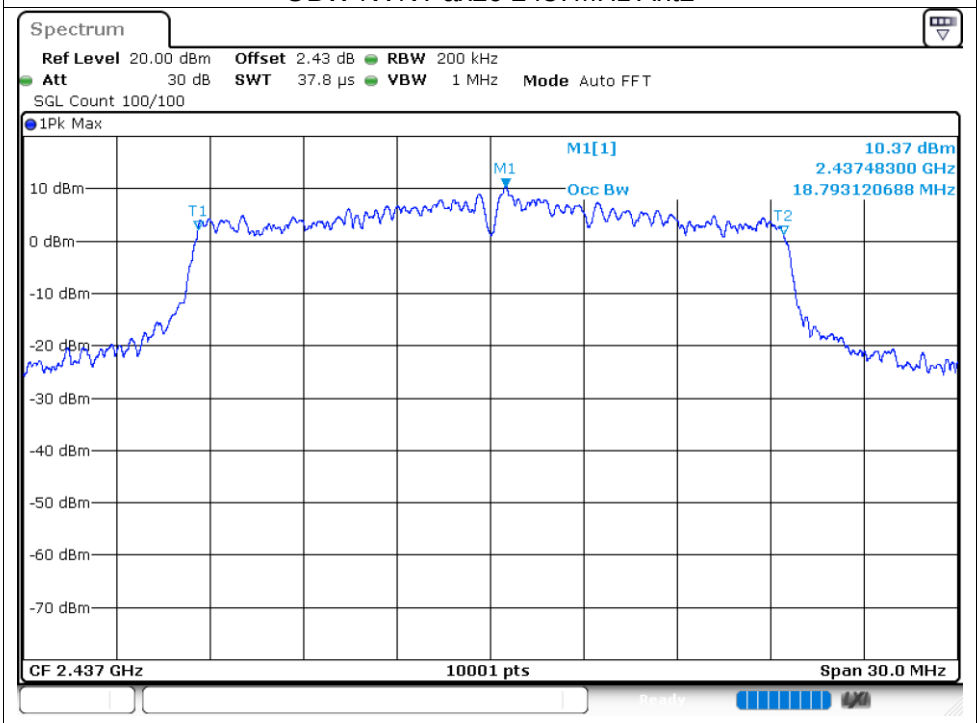
OBW NVNT ax20 2462MHz Ant1



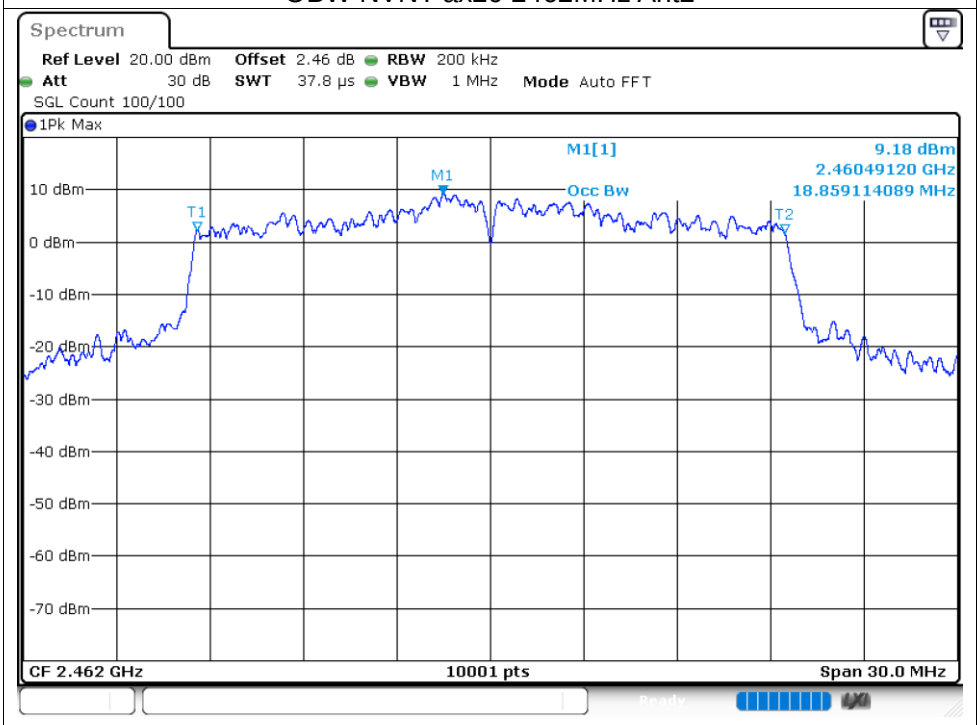

OBW NVNT ax20 2412MHz Ant2



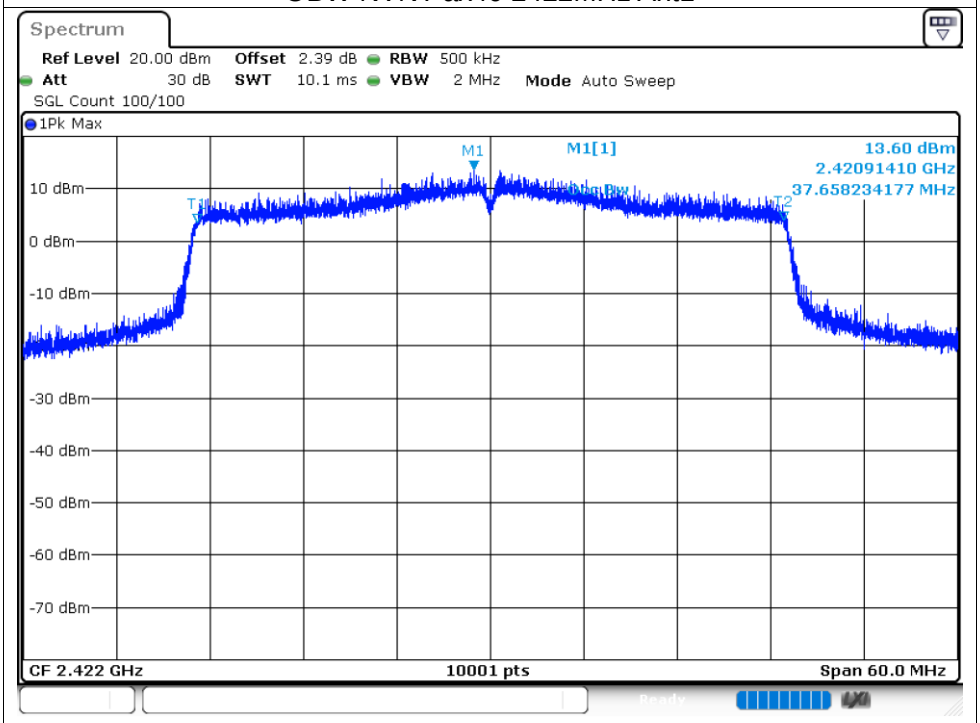
OBW NVNT ax20 2437MHz Ant2



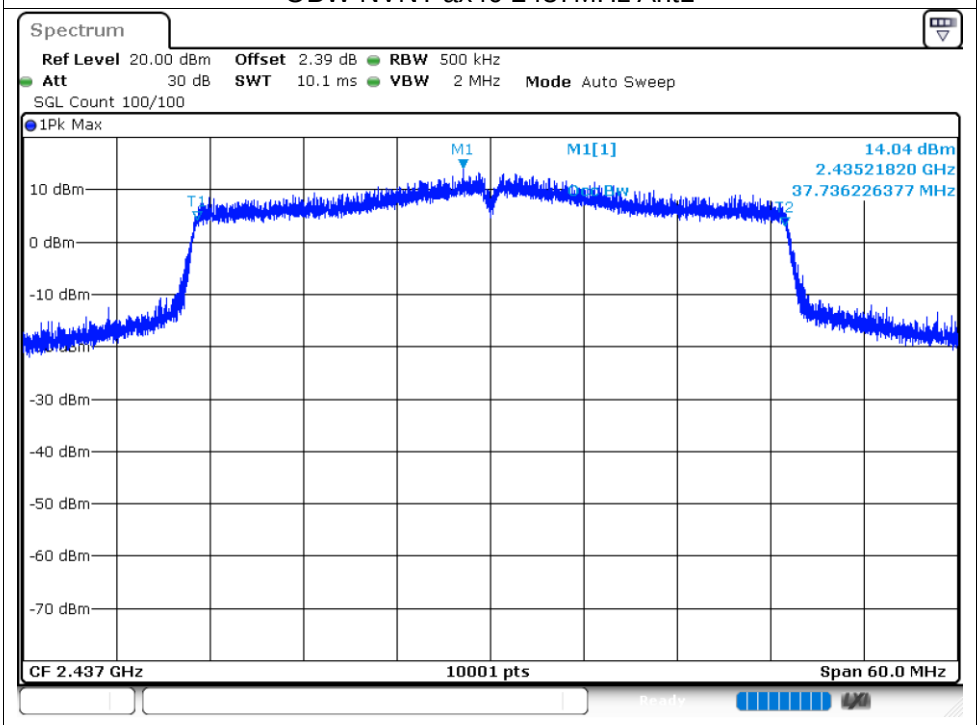

OBW NVNT ax20 2462MHz Ant2



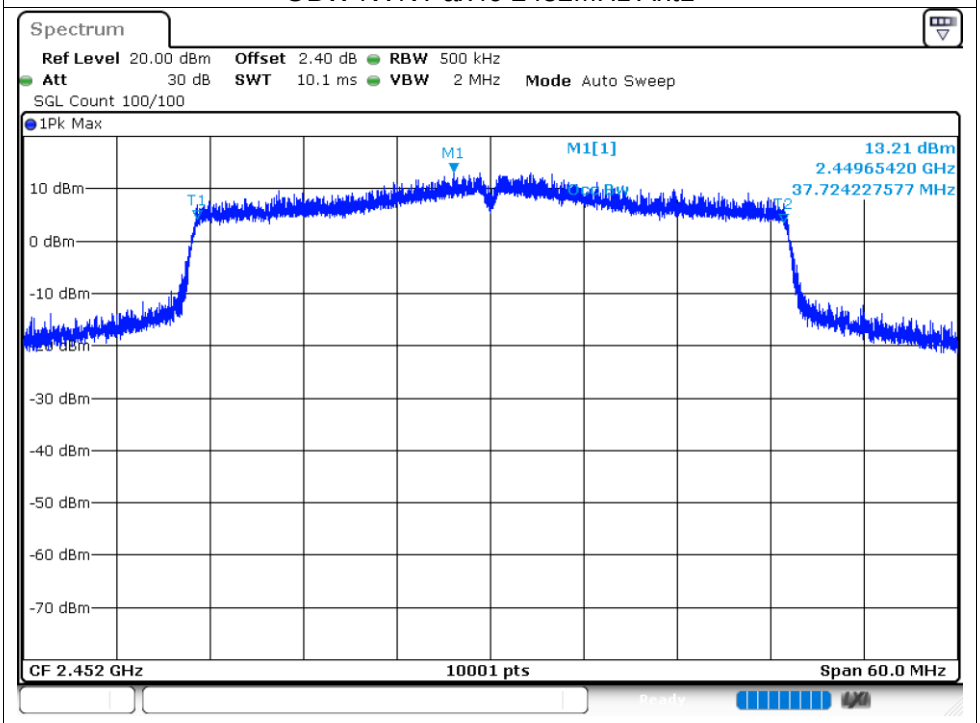
OBW NVNT ax40 2422MHz Ant1



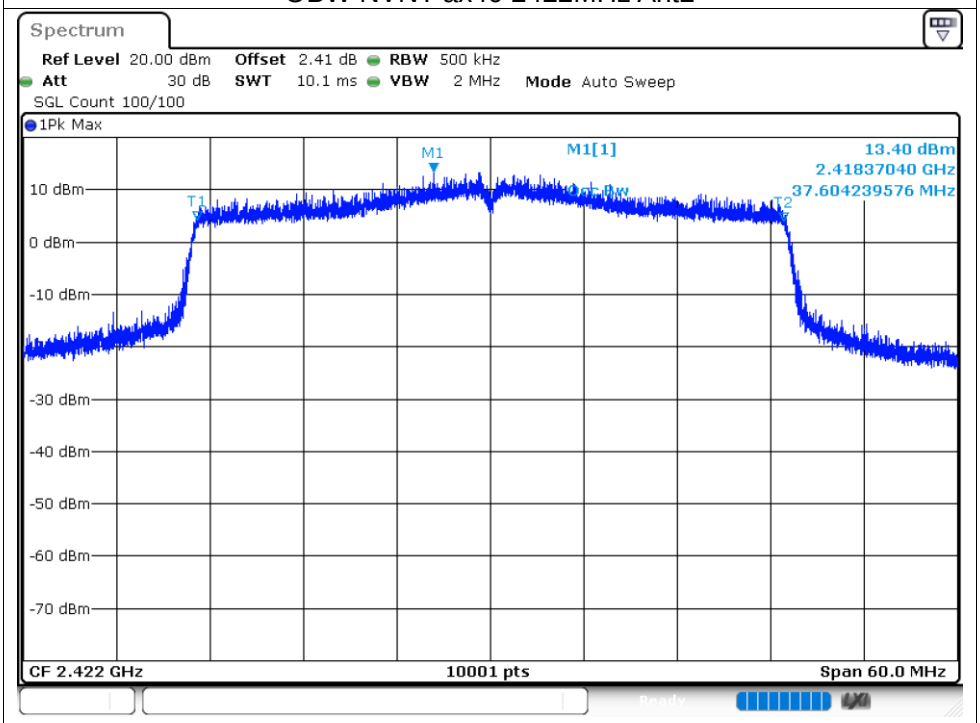

OBW NVNT ax40 2437MHz Ant1



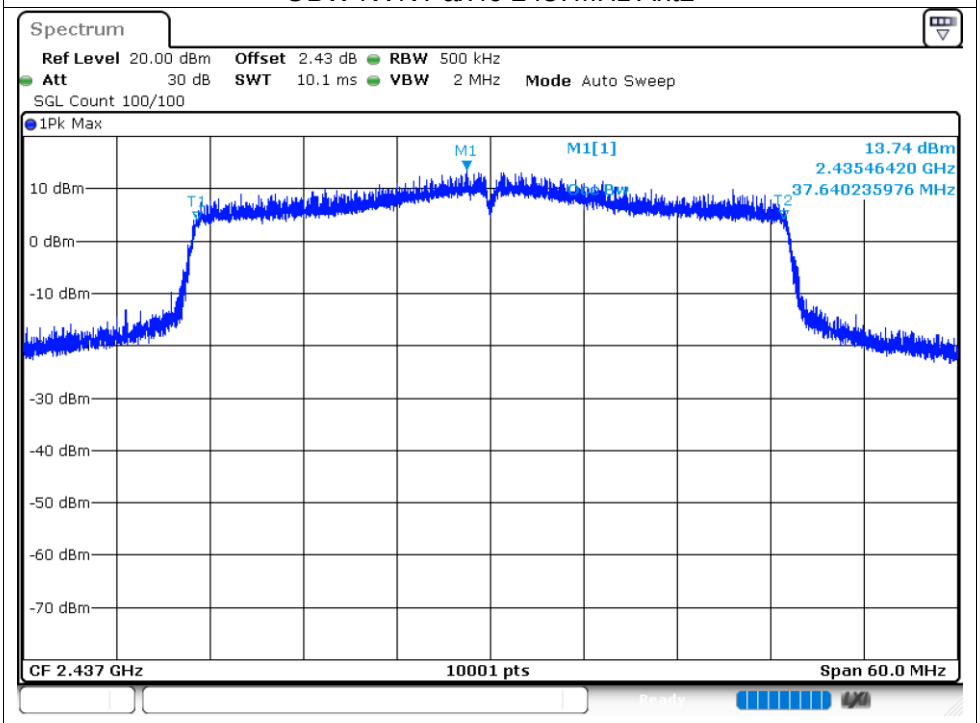
OBW NVNT ax40 2452MHz Ant1



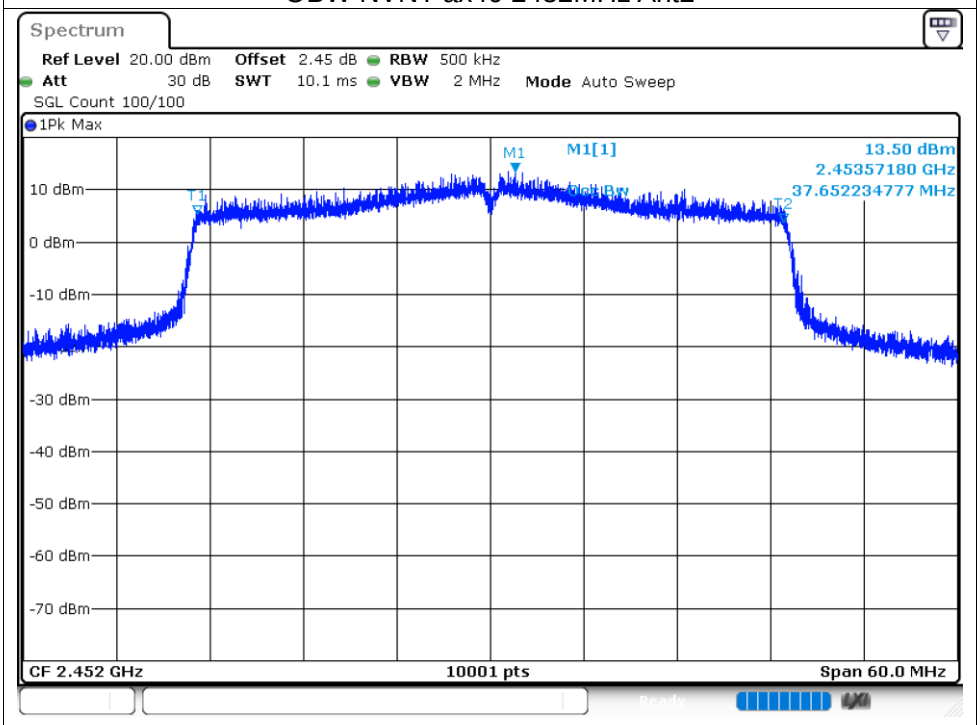

OBW NVNT ax40 2422MHz Ant2



OBW NVNT ax40 2437MHz Ant2




OBW NVNT ax40 2452MHz Ant2

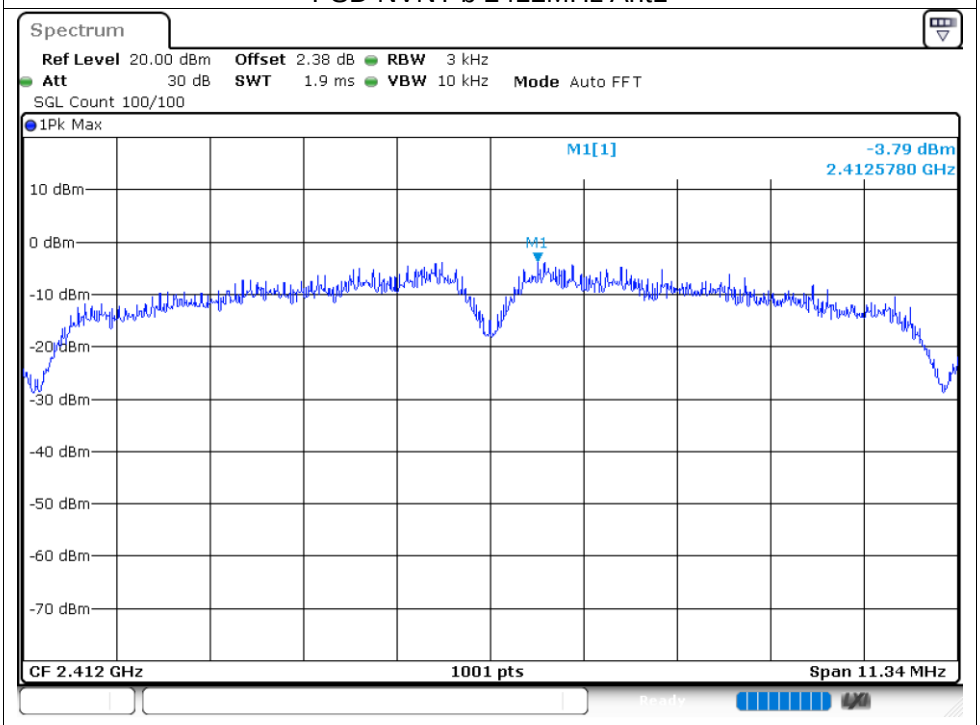


## 8.1.5 Maximum Power Spectral Density Level

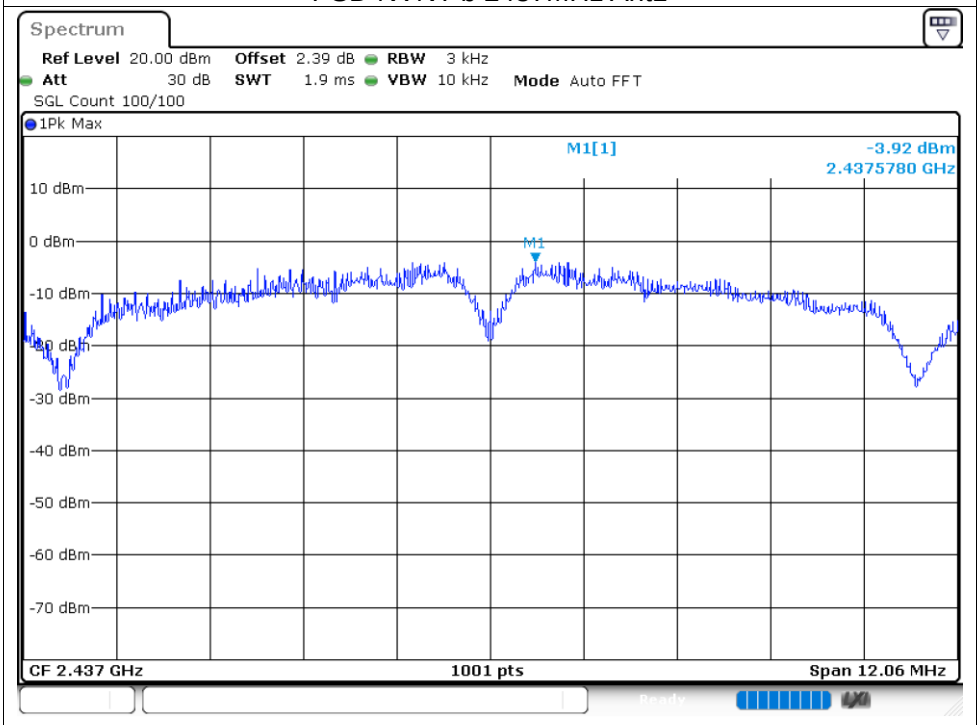
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | -3.79 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | -3.92 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -4.38 | 8 | Pass |
| NVNT | b | 2412 | Ant2 | -4.32 | 8 | Pass |
| NVNT | b | 2437 | Ant2 | -3.62 | 8 | Pass |
| NVNT | b | 2462 | Ant2 | -2.79 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -5.53 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -4.37 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -5.42 | 8 | Pass |
| NVNT | g | 2412 | Ant2 | -6.27 | 8 | Pass |
| NVNT | g | 2437 | Ant2 | -5.34 | 8 | Pass |
| NVNT | g | 2462 | Ant2 | -6.78 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -3.94 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -4.68 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -5.05 | 8 | Pass |
| NVNT | n20 | 2412 | Ant2 | -4.53 | 8 | Pass |
| NVNT | n20 | 2437 | Ant2 | -5.1 | 8 | Pass |
| NVNT | n20 | 2462 | Ant2 | -4.62 | 8 | Pass |
| NVNT | n40 | 2422 | Ant1 | -7.39 | 8 | Pass |
| NVNT | n40 | 2437 | Ant1 | -6.08 | 8 | Pass |
| NVNT | n40 | 2452 | Ant1 | -6.26 | 8 | Pass |
| NVNT | n40 | 2422 | Ant2 | -7.14 | 8 | Pass |
| NVNT | n40 | 2437 | Ant2 | -6.04 | 8 | Pass |
| NVNT | n40 | 2452 | Ant2 | -5.67 | 8 | Pass |
| NVNT | ax20 | 2412 | Ant1 | -6.19 | 8 | Pass |
| NVNT | ax20 | 2437 | Ant1 | -5.44 | 8 | Pass |
| NVNT | ax20 | 2462 | Ant1 | -5.62 | 8 | Pass |
| NVNT | ax20 | 2412 | Ant2 | -5.94 | 8 | Pass |
| NVNT | ax20 | 2437 | Ant2 | -6.18 | 8 | Pass |
| NVNT | ax20 | 2462 | Ant2 | -5.94 | 8 | Pass |
| NVNT | ax40 | 2422 | Ant1 | -7.98 | 8 | Pass |
| NVNT | ax40 | 2437 | Ant1 | -7.94 | 8 | Pass |
| NVNT | ax40 | 2452 | Ant1 | -7.71 | 8 | Pass |
| NVNT | ax40 | 2422 | Ant2 | -8.58 | 8 | Pass |
| NVNT | ax40 | 2437 | Ant2 | -7.26 | 8 | Pass |
| NVNT | ax40 | 2452 | Ant2 | -7.83 | 8 | Pass |

Test Graphs

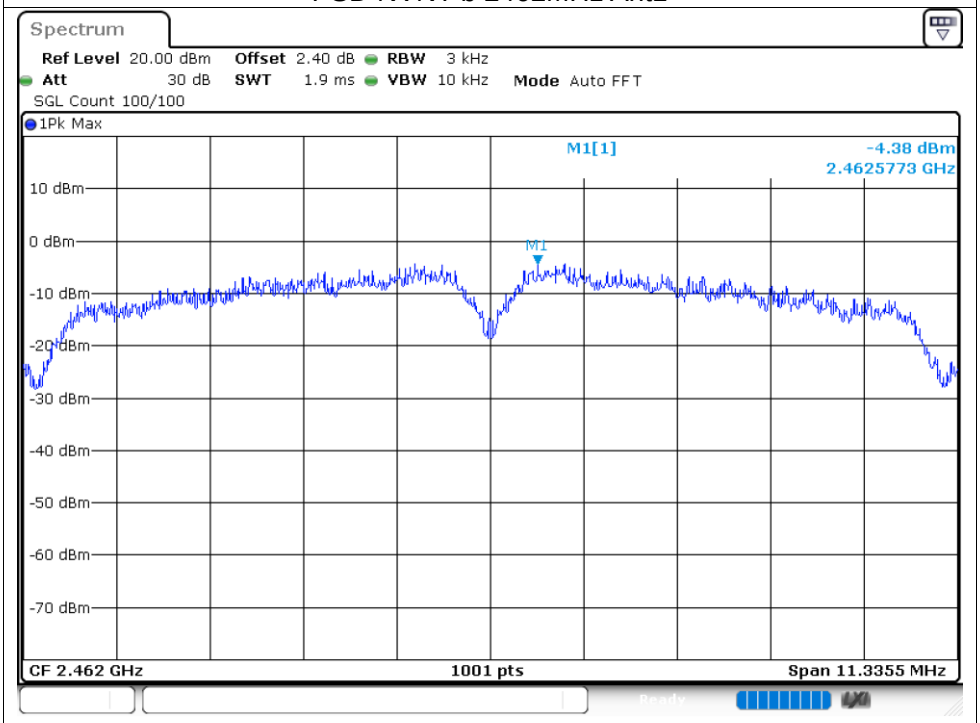
PSD NVNT b 2412MHz Ant1



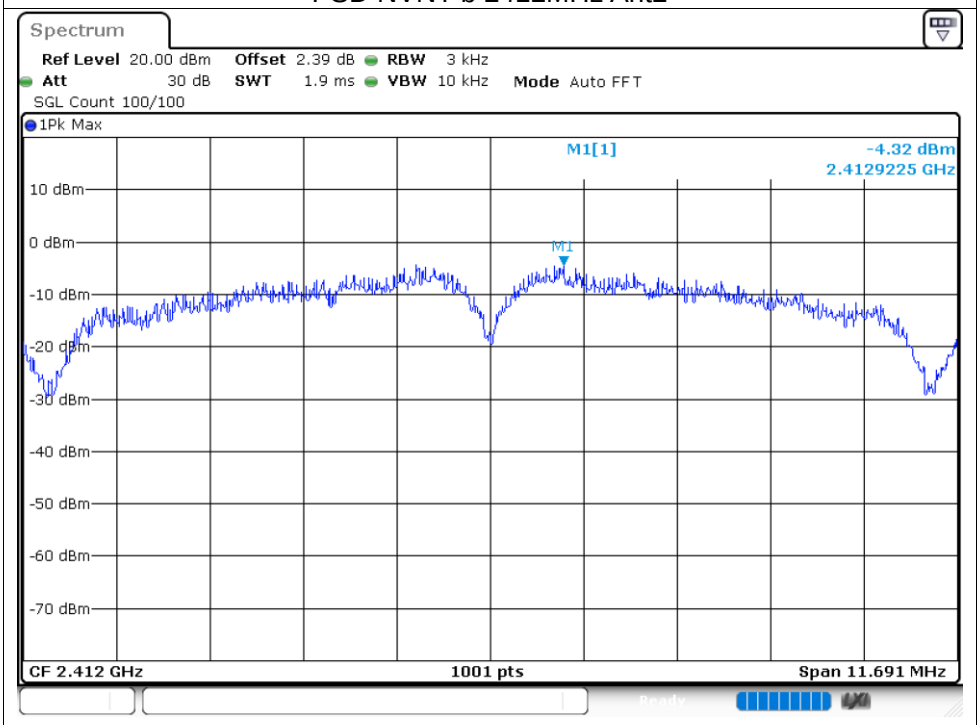

PSD NVNT b 2437MHz Ant1



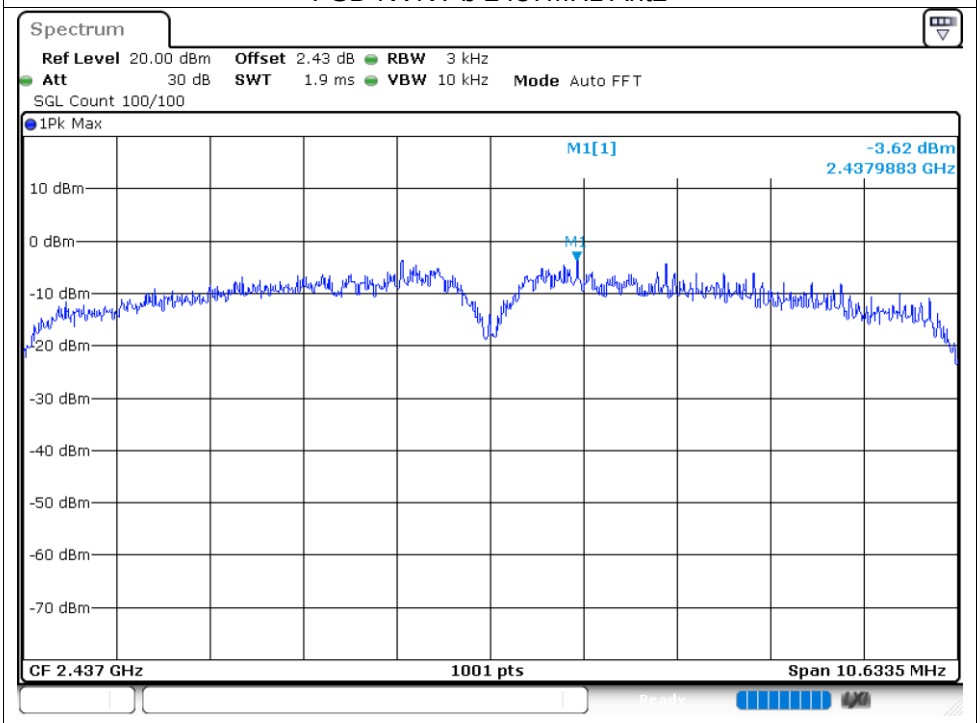
PSD NVNT b 2462MHz Ant1



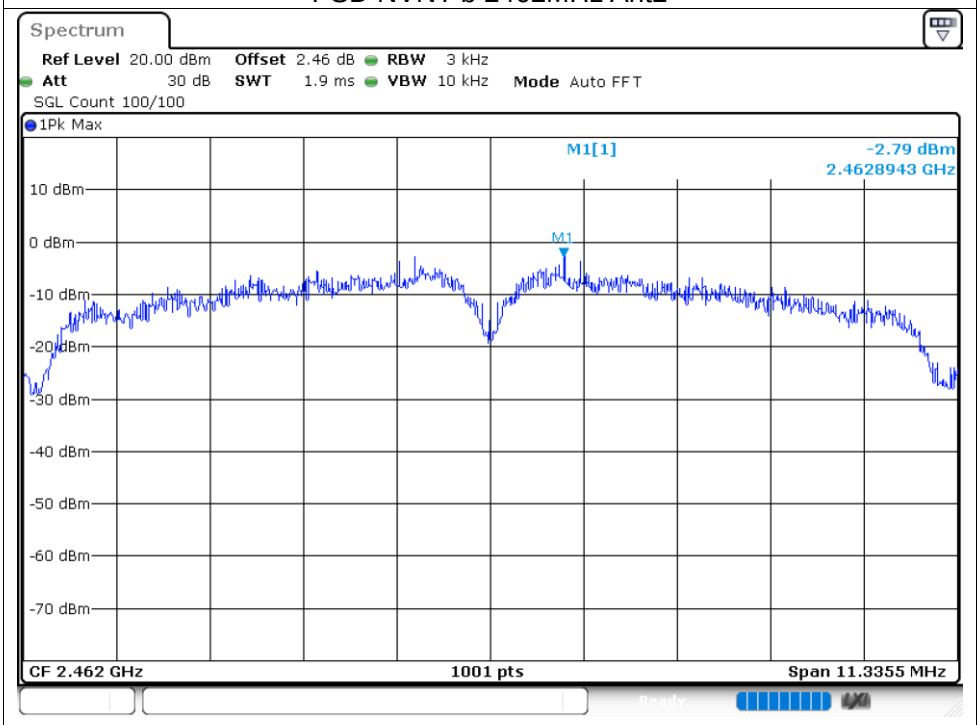

PSD NVNT b 2412MHz Ant2



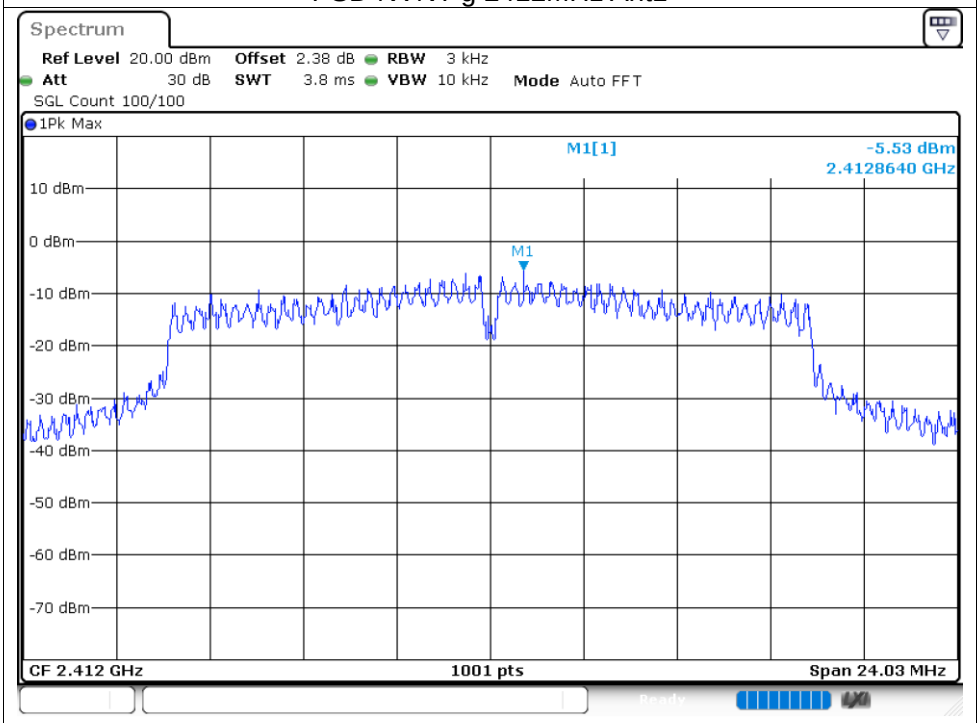
PSD NVNT b 2437MHz Ant2




PSD NVNT b 2462MHz Ant2



PSD NVNT g 2412MHz Ant1

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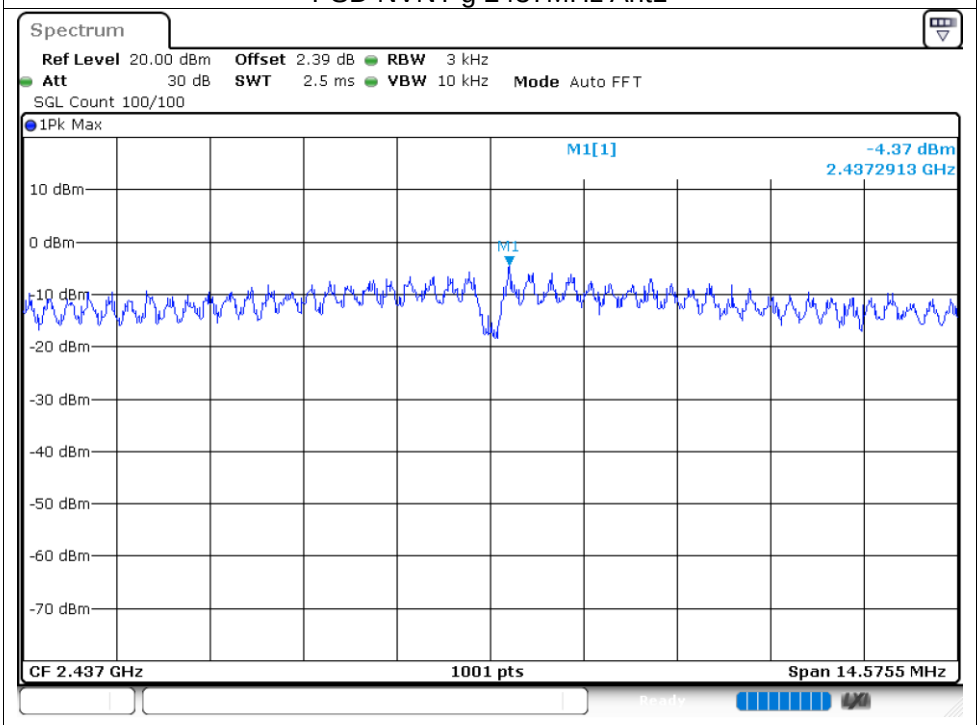
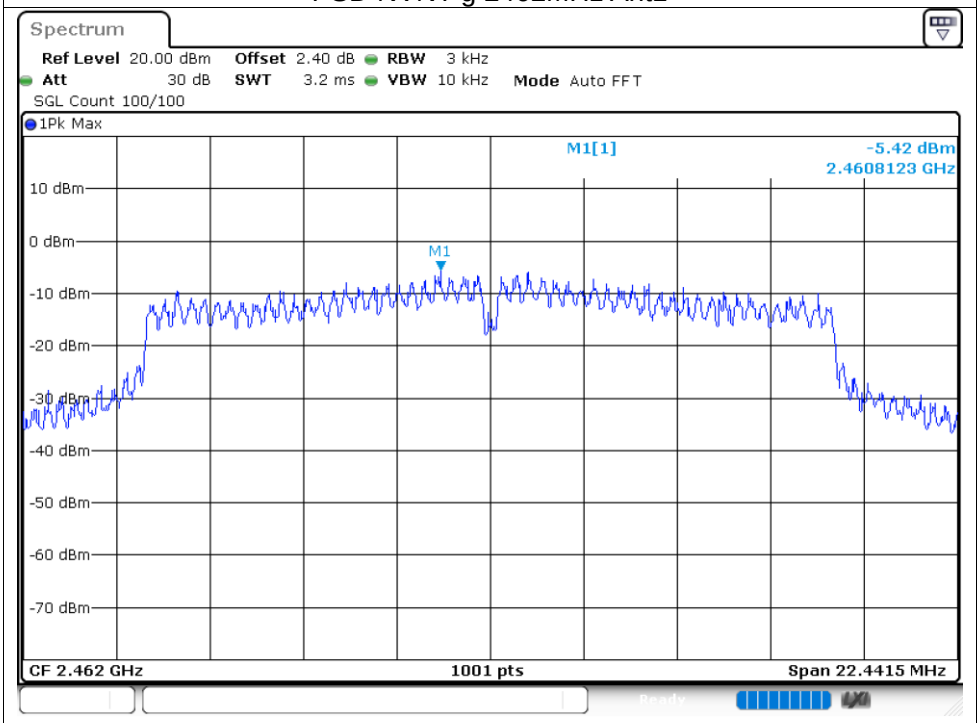


PSD NVNT g 2462MHz Ant1

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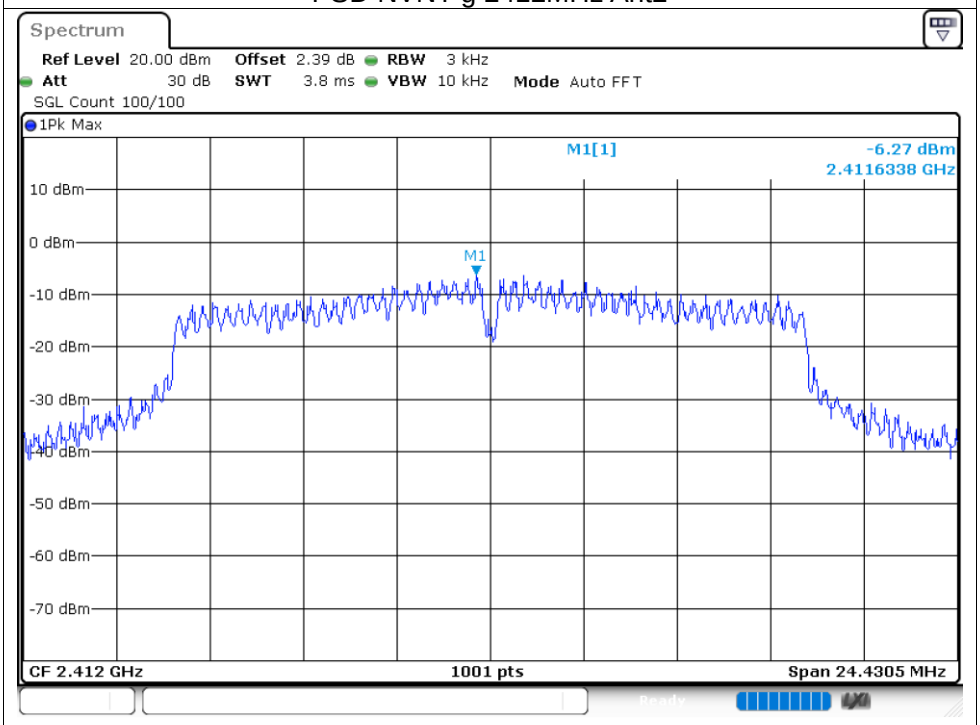

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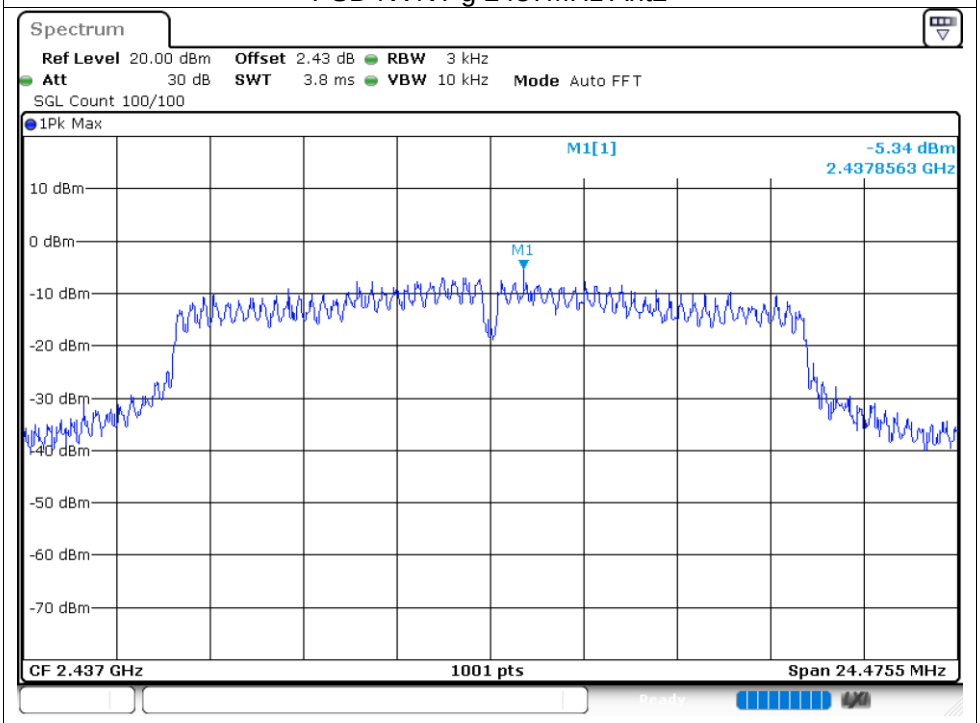


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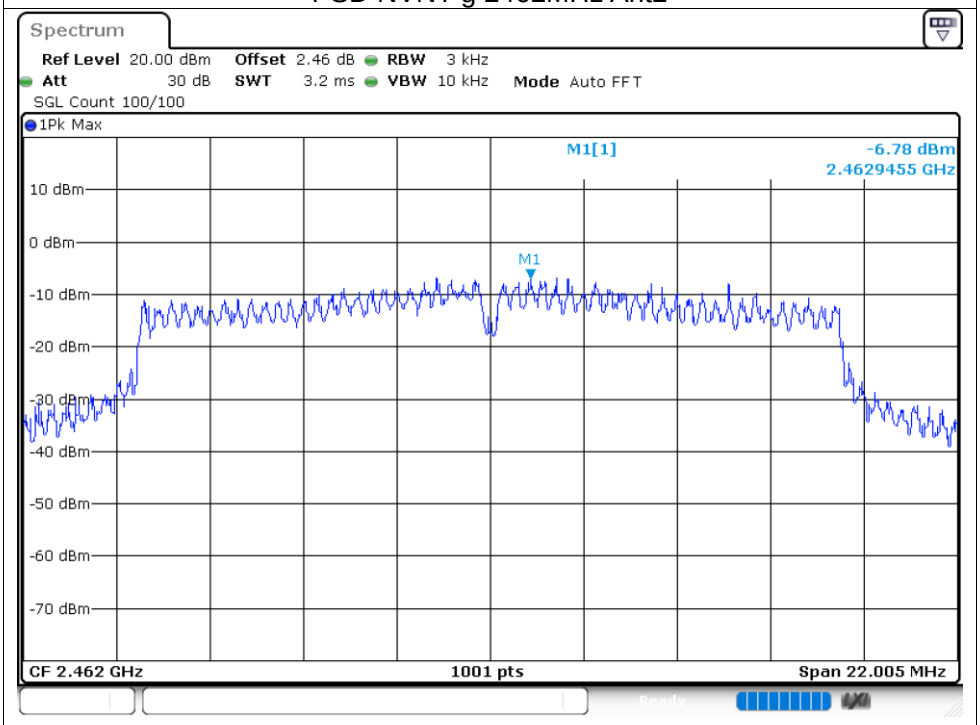
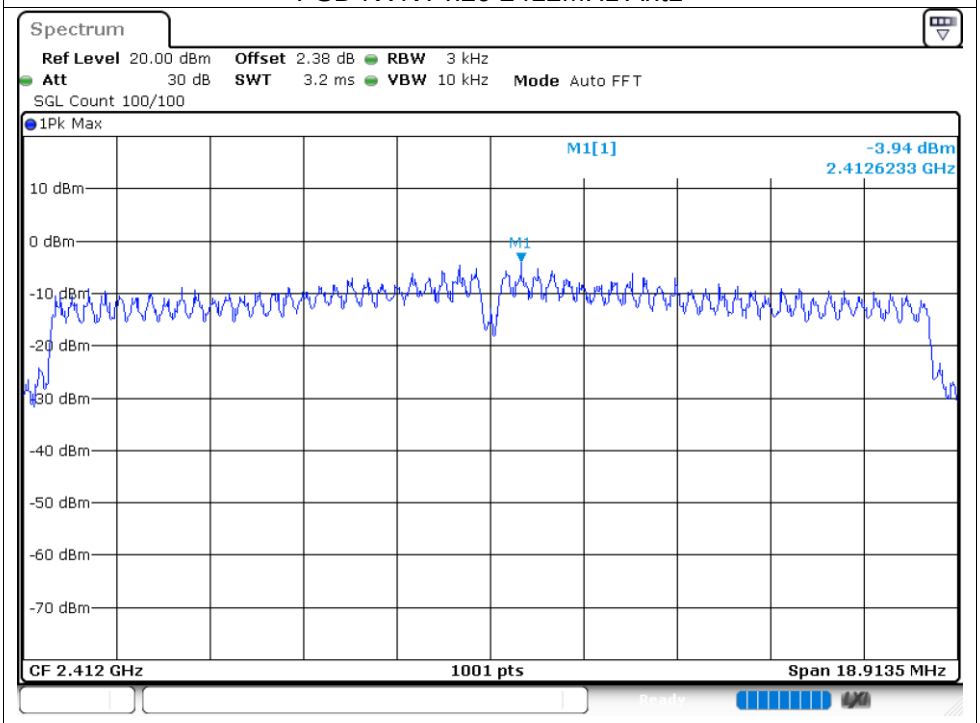
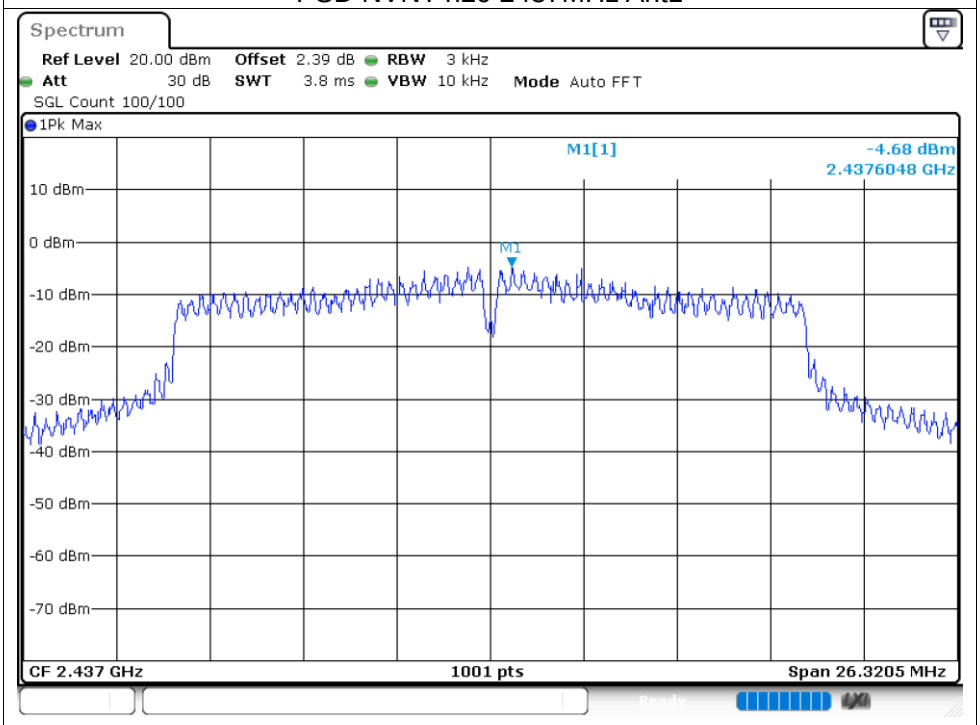


PSD NVNT n20 2412MHz Ant1




PSD NVNT n20 2437MHz Ant1



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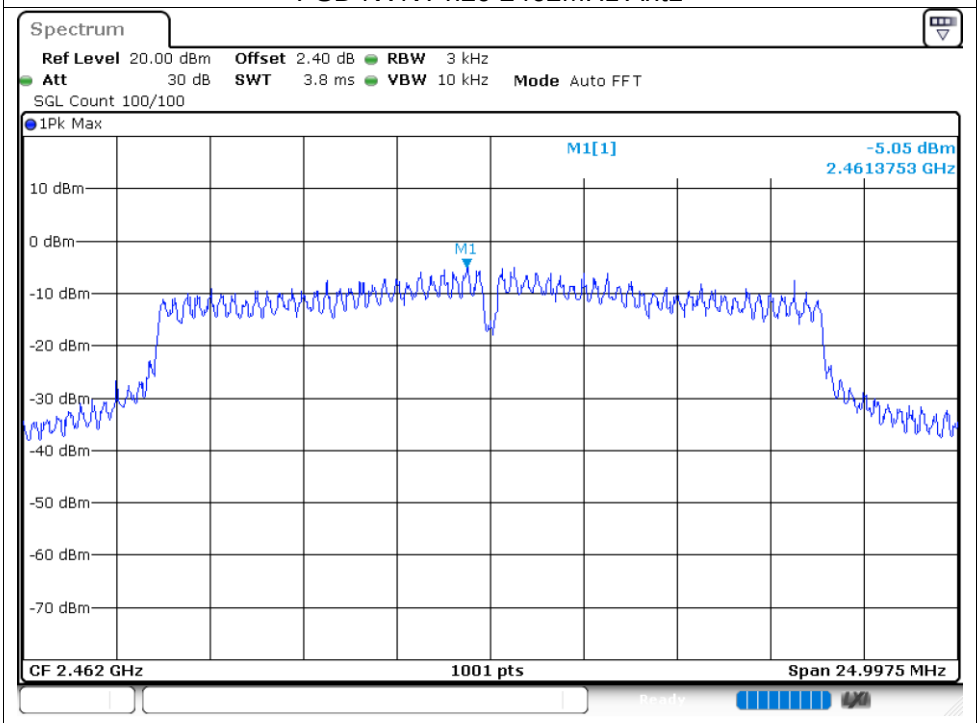


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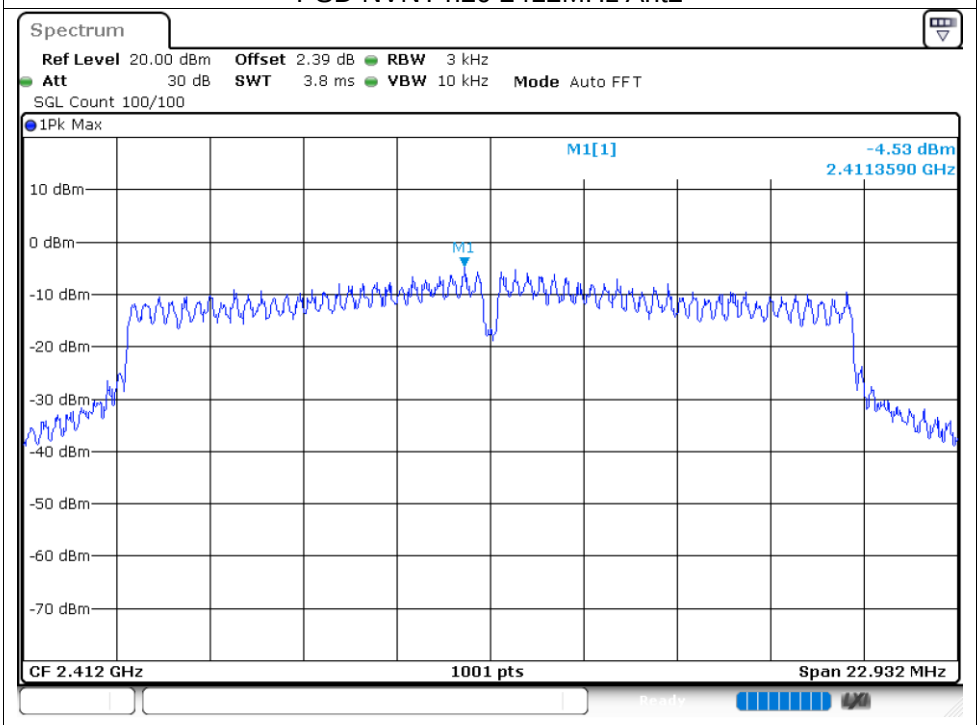

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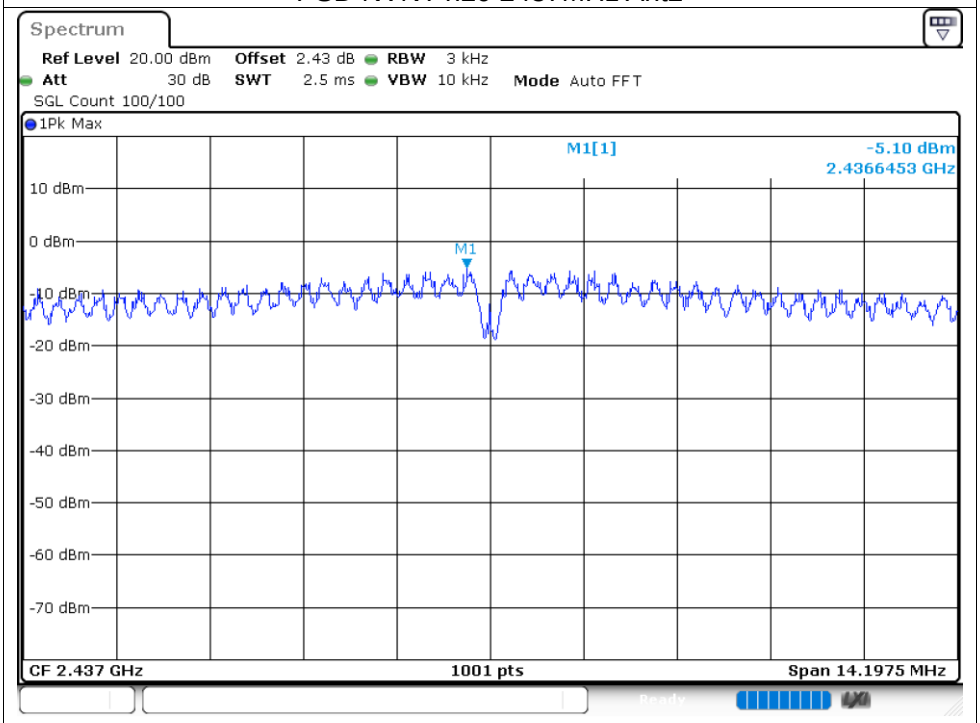
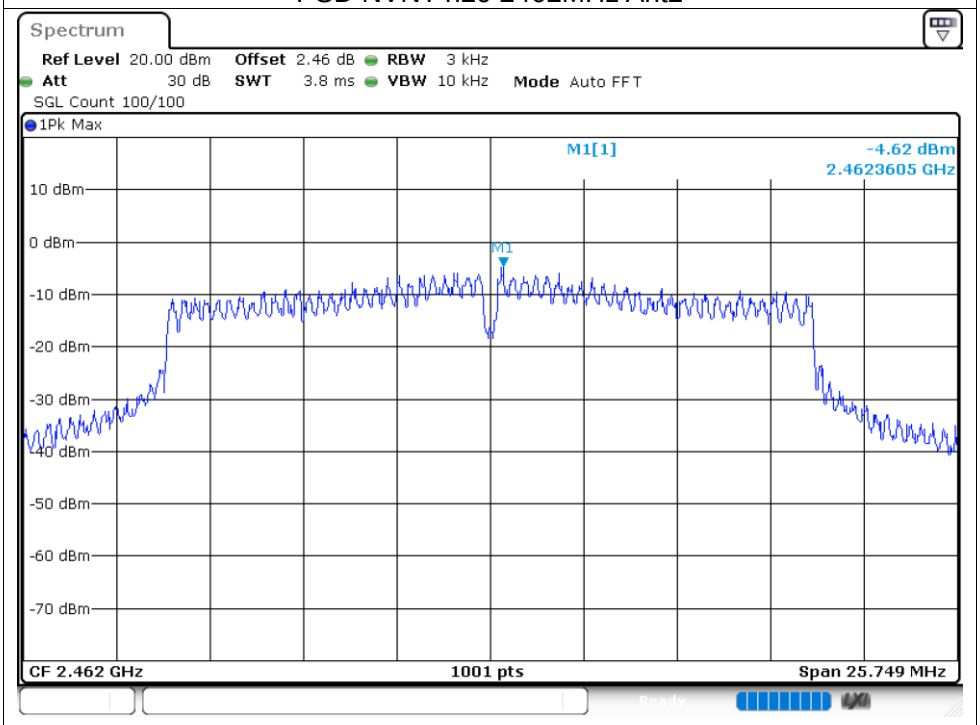



PSD NVNT n20 2462MHz Ant2



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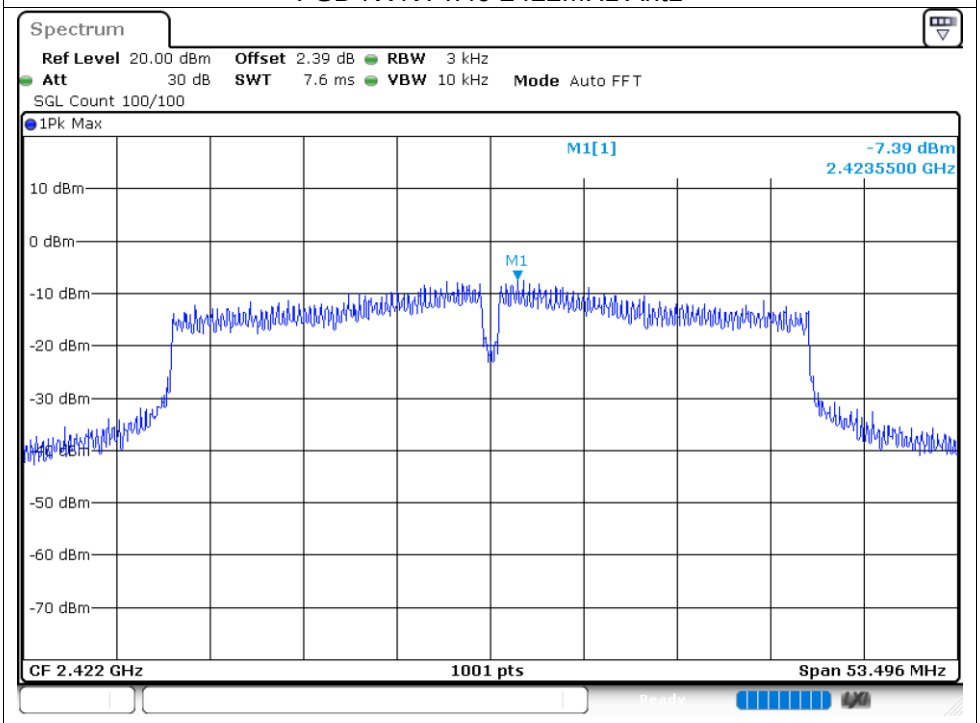
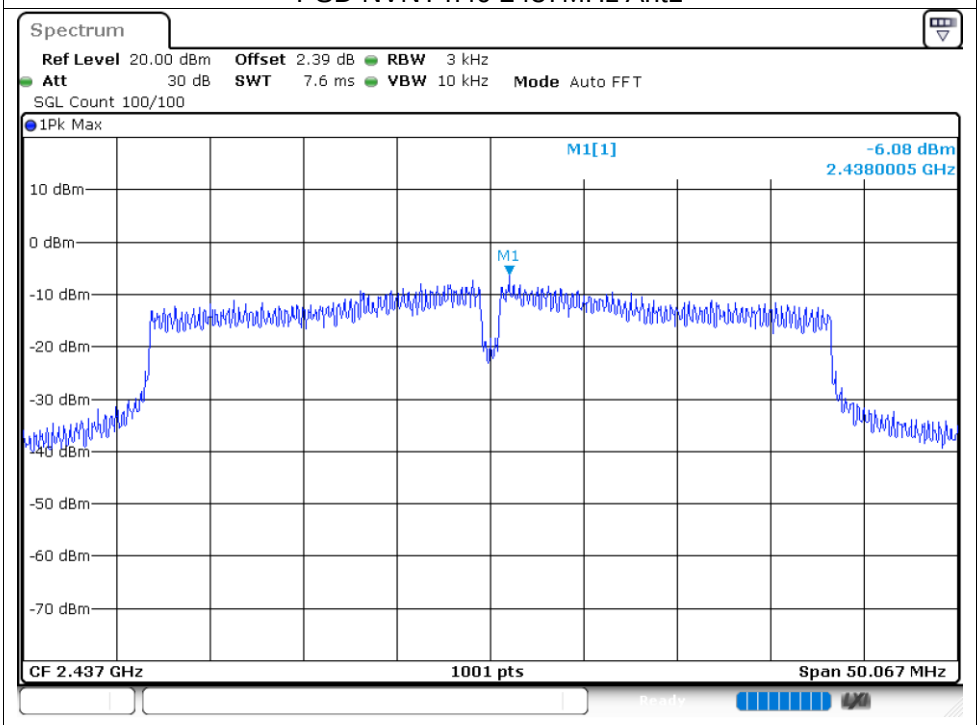



PSD NVNT n40 2437MHz Ant1



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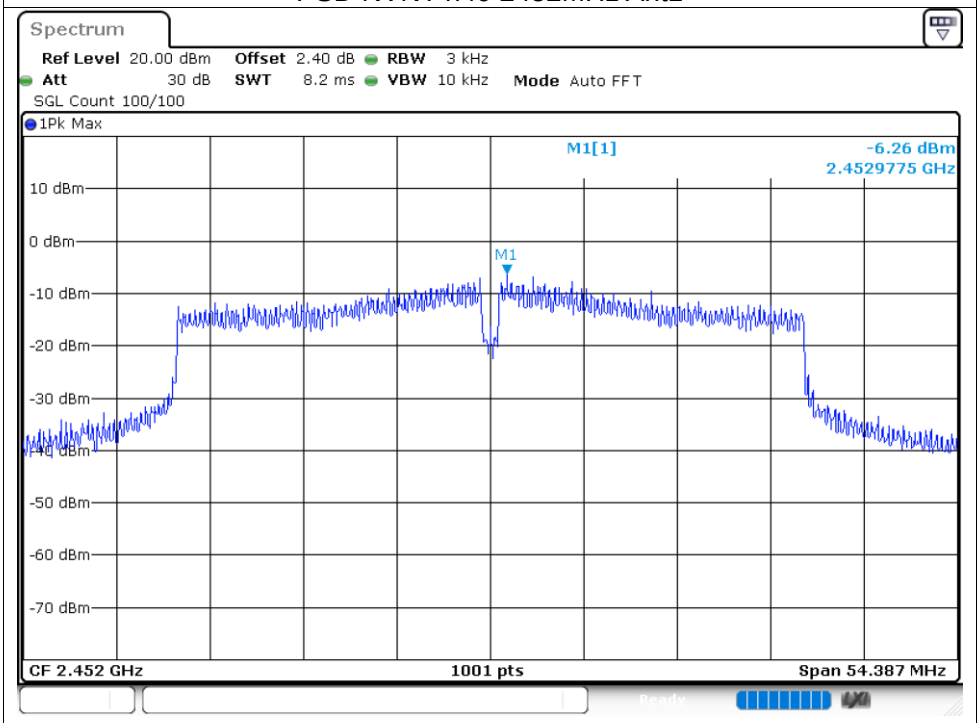

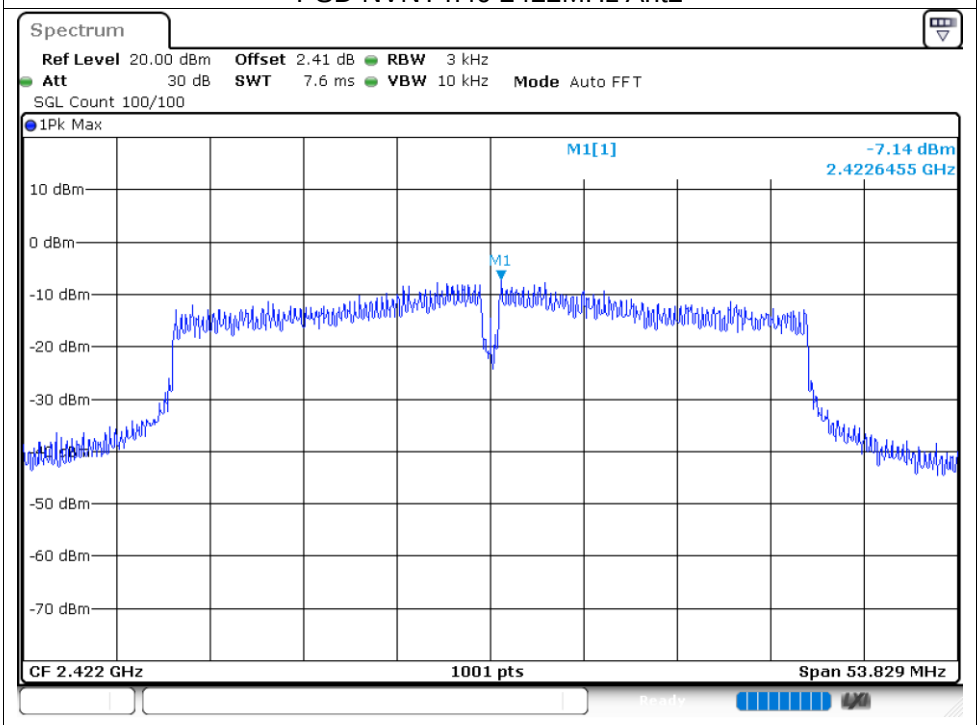
PSD NVNT n40 2422MHz Ant2