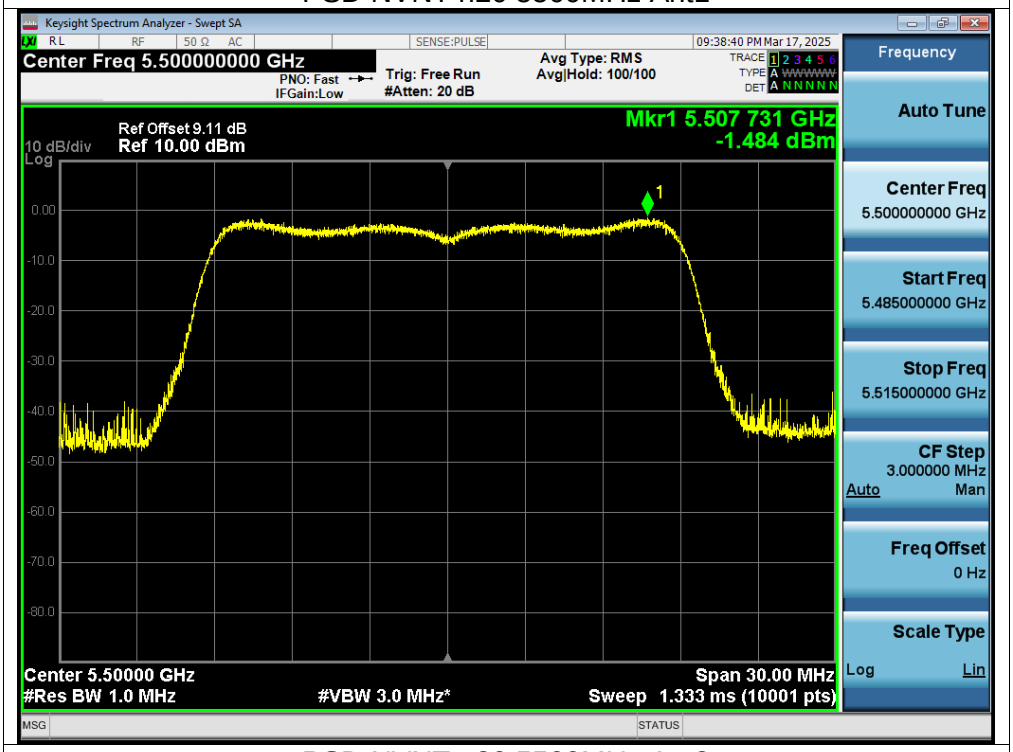
PSD NVNT n20 5500MHz Ant1




PSD NVNT n20 5500MHz Ant2

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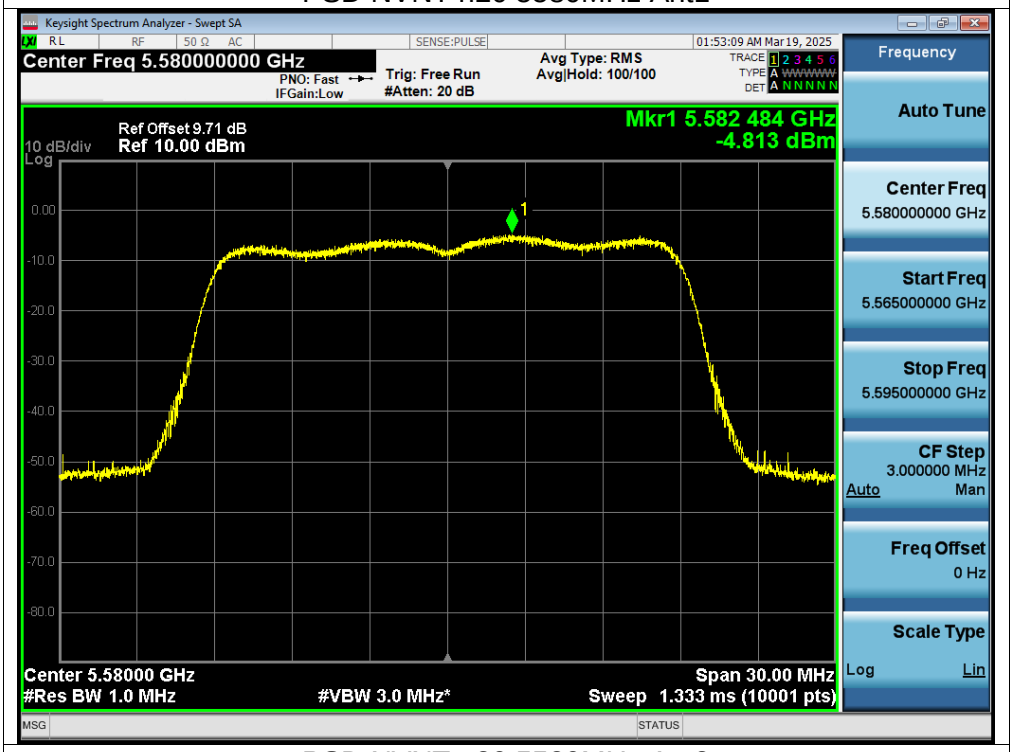
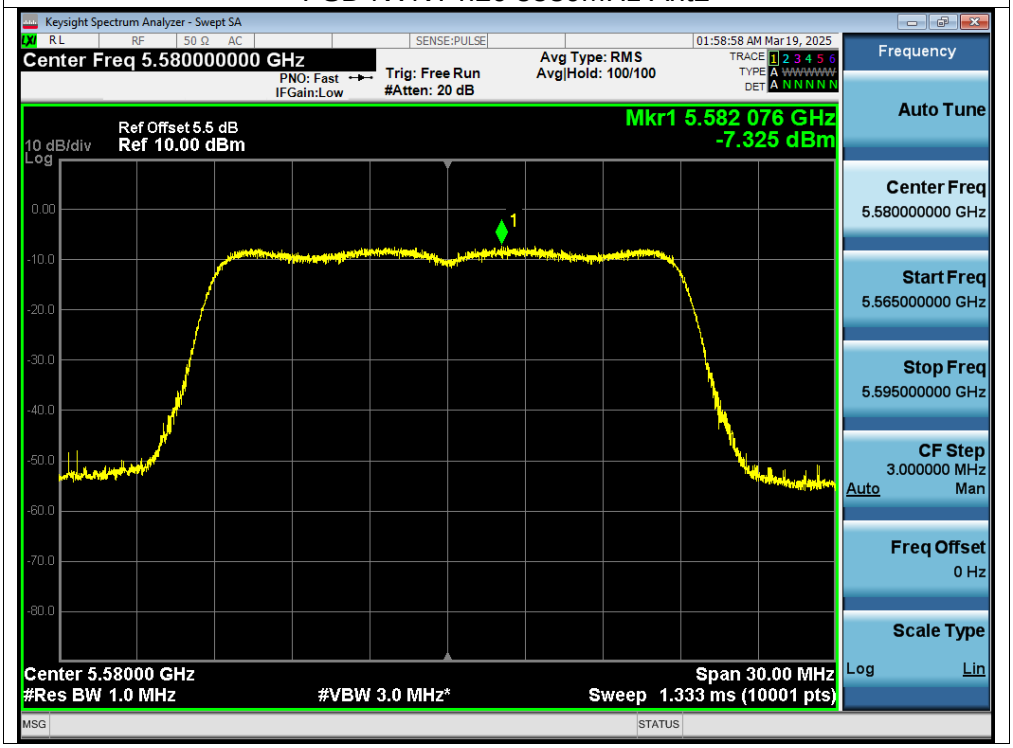
PSD NVNT n20 5580MHz Ant1




PSD NVNT n20 5580MHz Ant2





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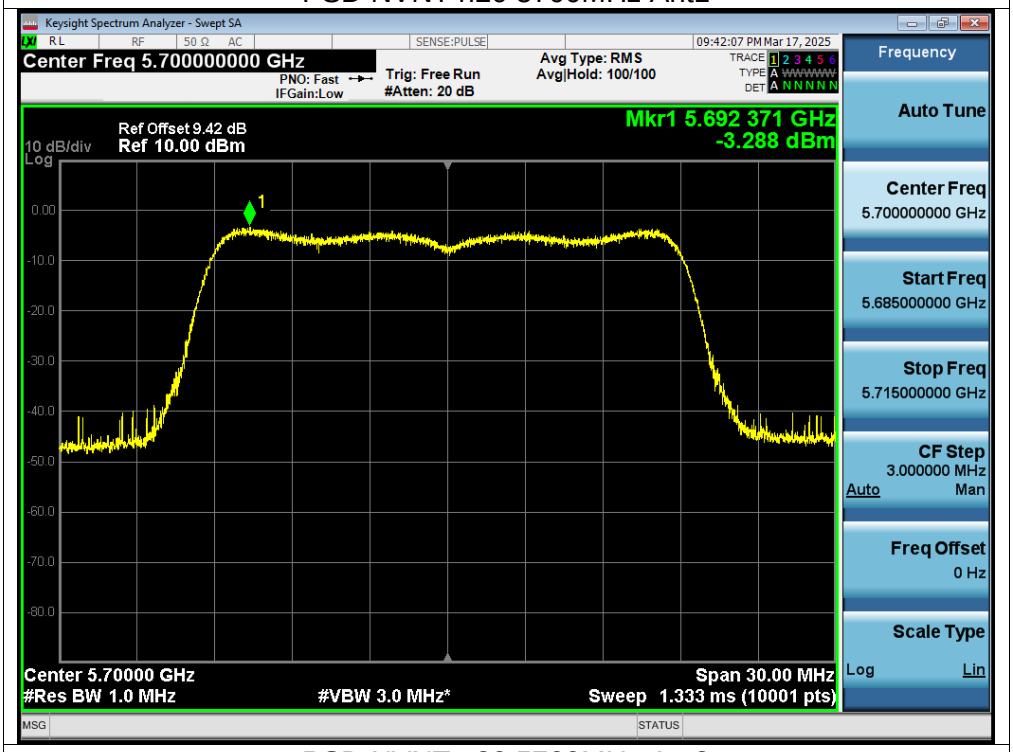
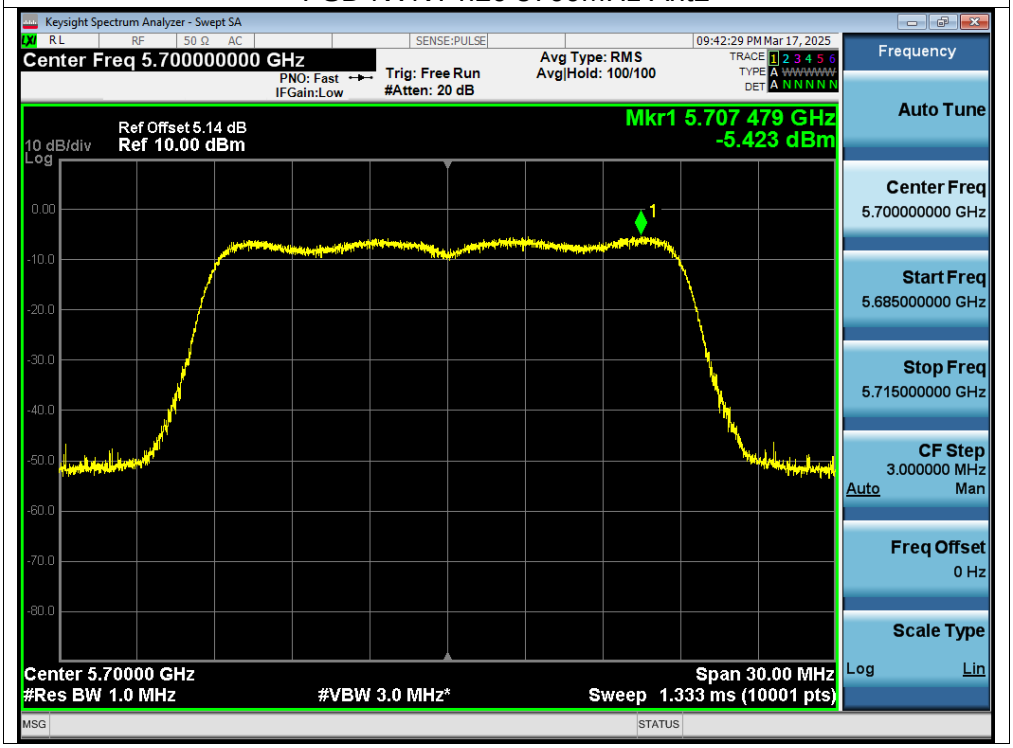
PSD NVNT n20 5700MHz Ant1




PSD NVNT n20 5700MHz Ant2





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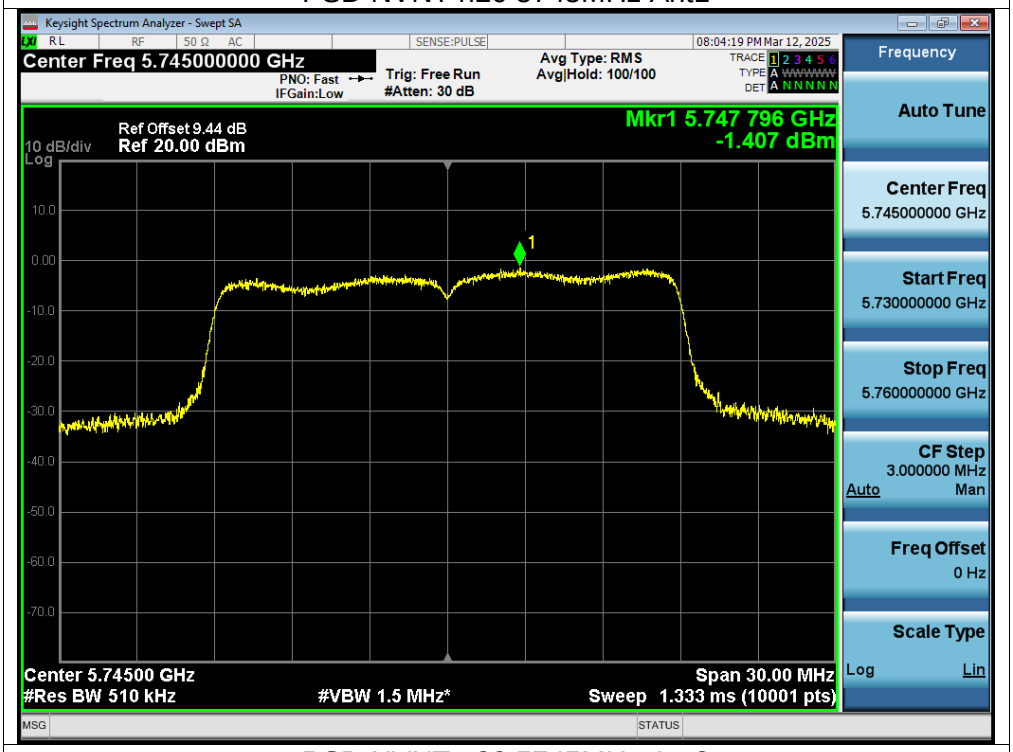
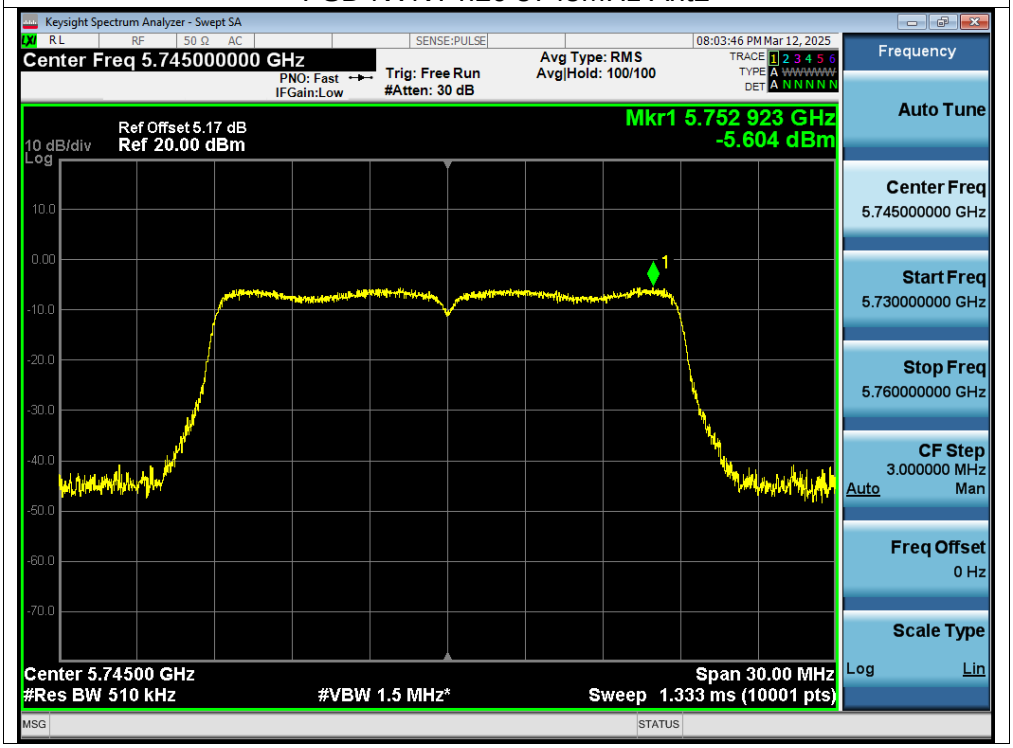
PSD NVNT n20 5745MHz Ant1




PSD NVNT n20 5745MHz Ant2





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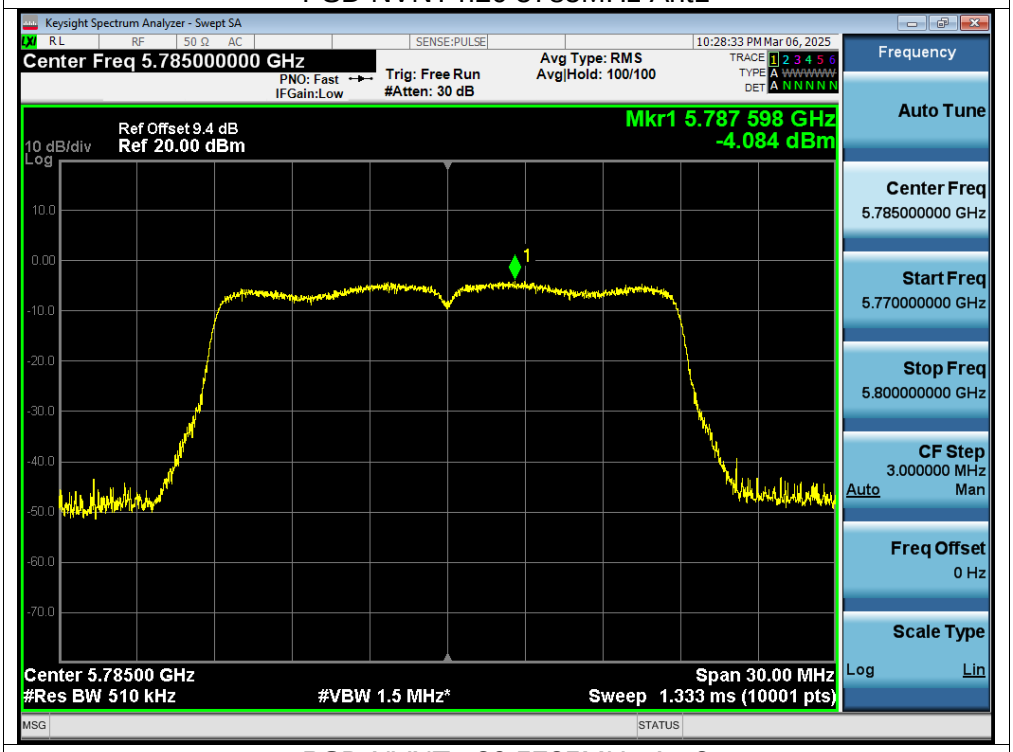
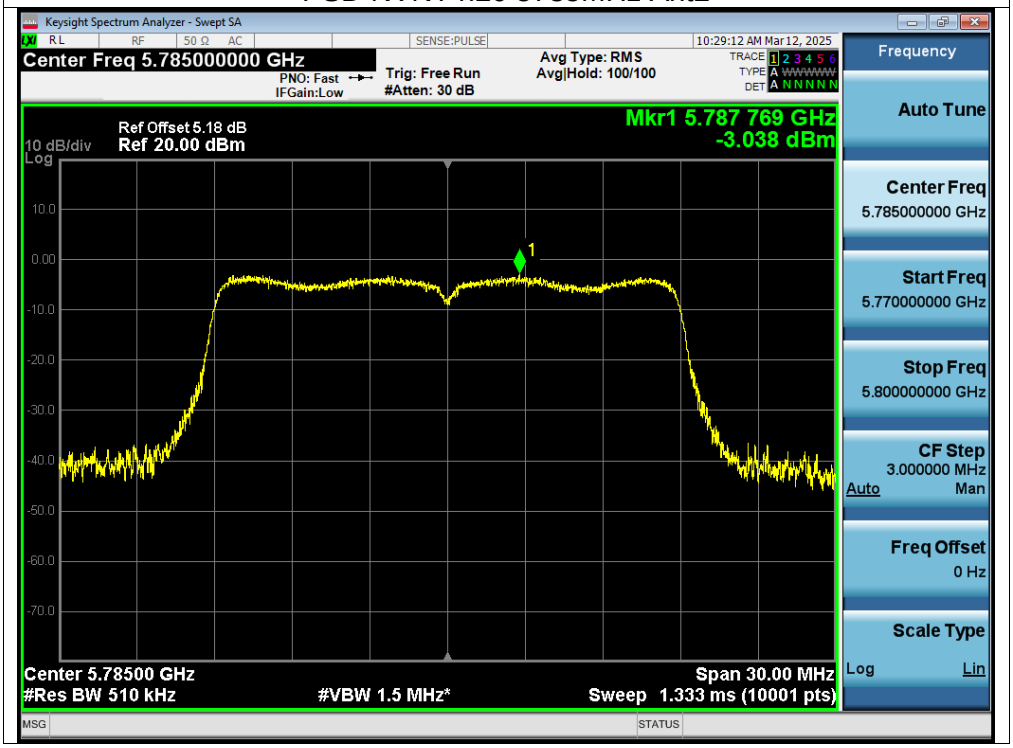
PSD NVNT n20 5785MHz Ant1




PSD NVNT n20 5785MHz Ant2





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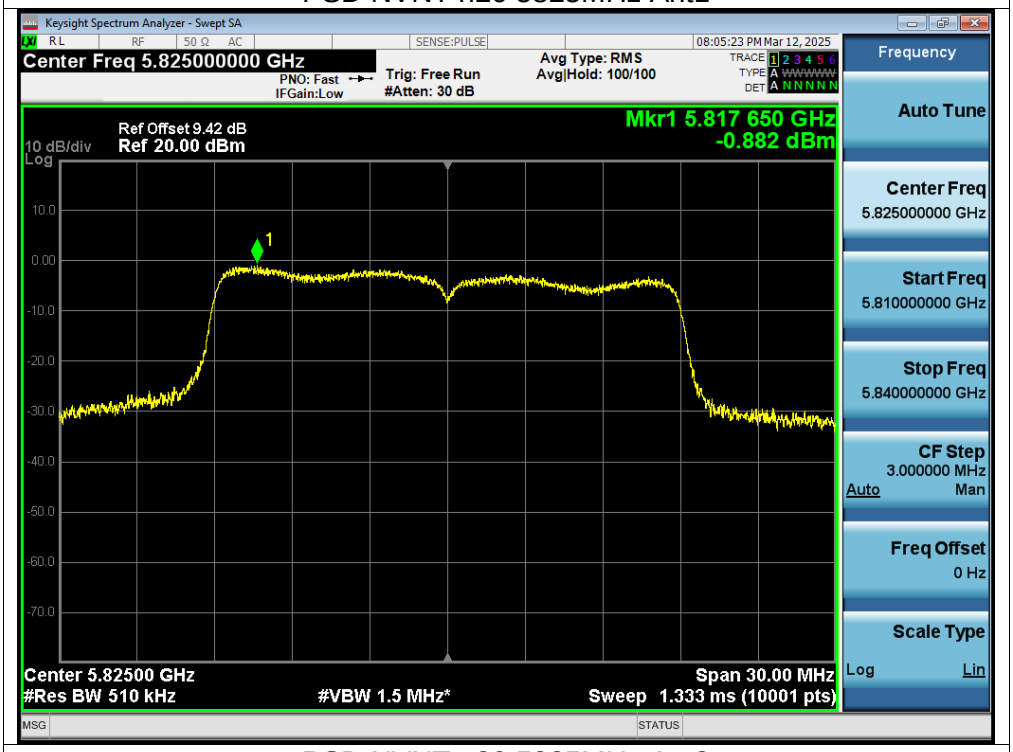
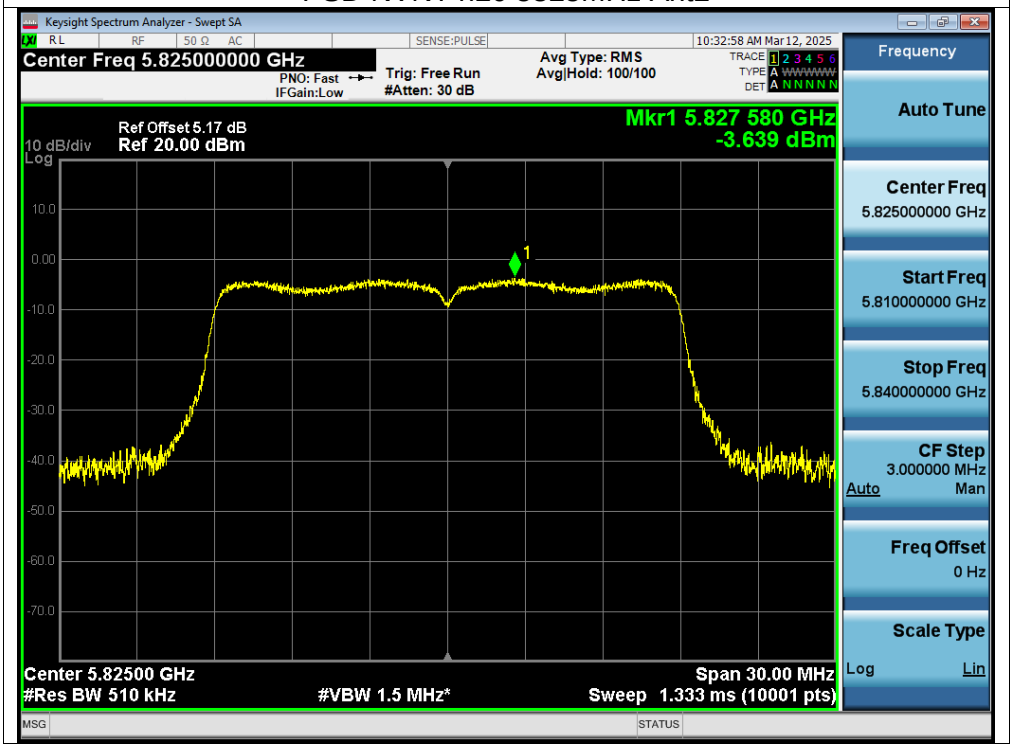
PSD NVNT n20 5825MHz Ant1




PSD NVNT n20 5825MHz Ant2





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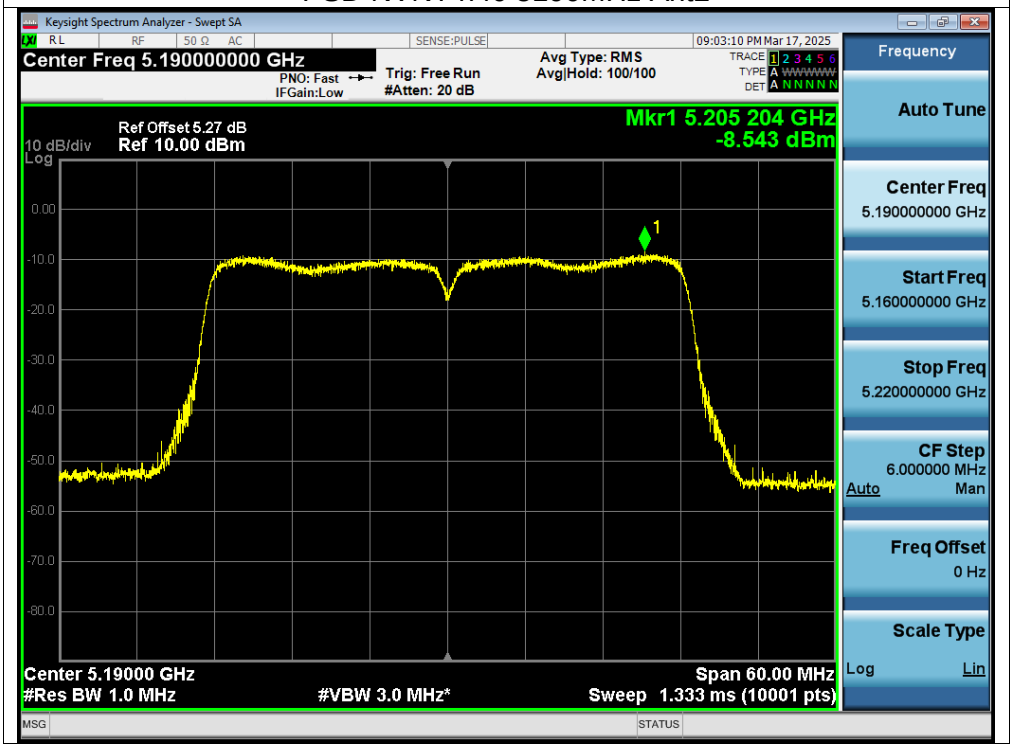
PSD NVNT n40 5190MHz Ant1

PSD NVNT n40 5190MHz Ant2





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PSD NVNT n40 5230MHz Ant1

PSD NVNT n40 5230MHz Ant2

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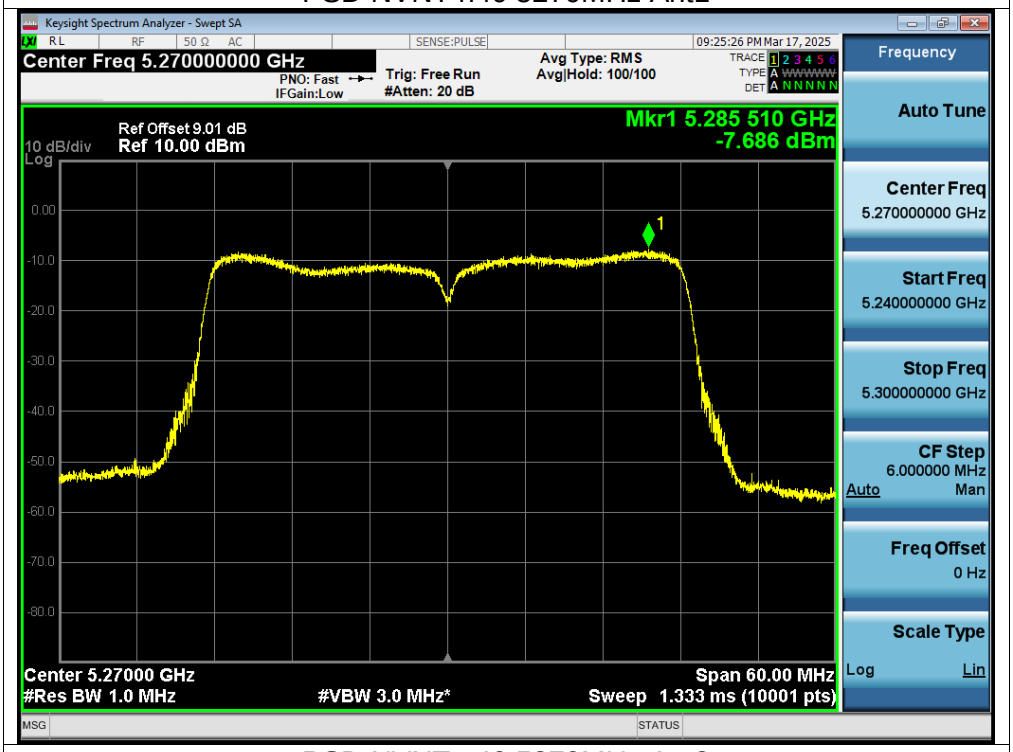
PSD NVNT n40 5270MHz Ant1




PSD NVNT n40 5270MHz Ant2

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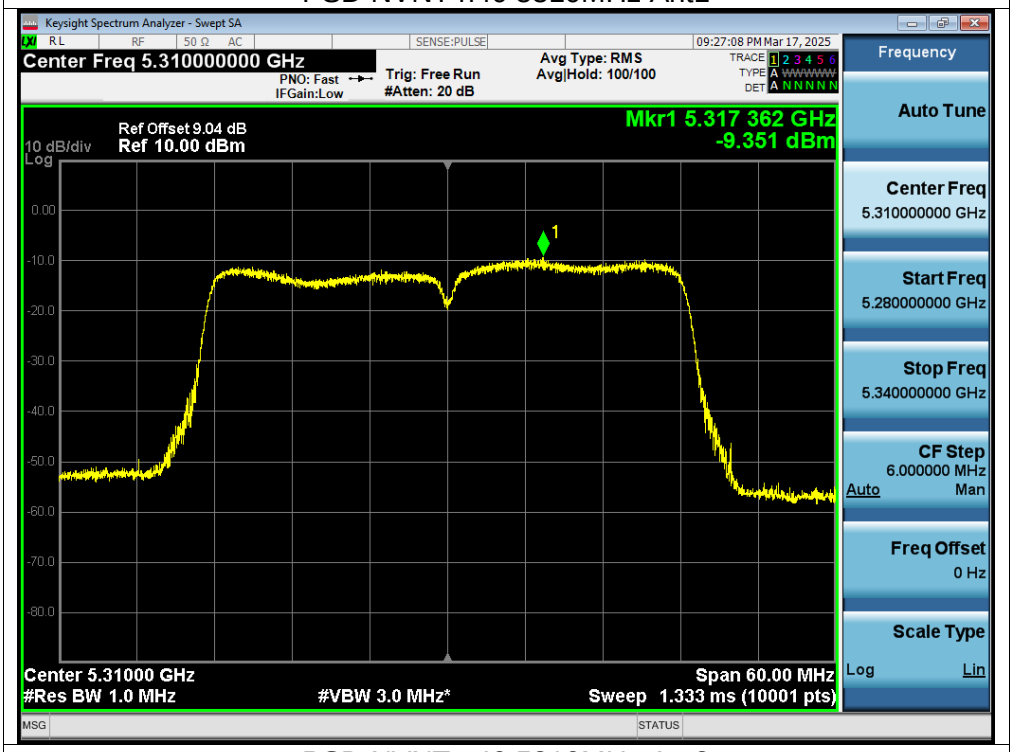
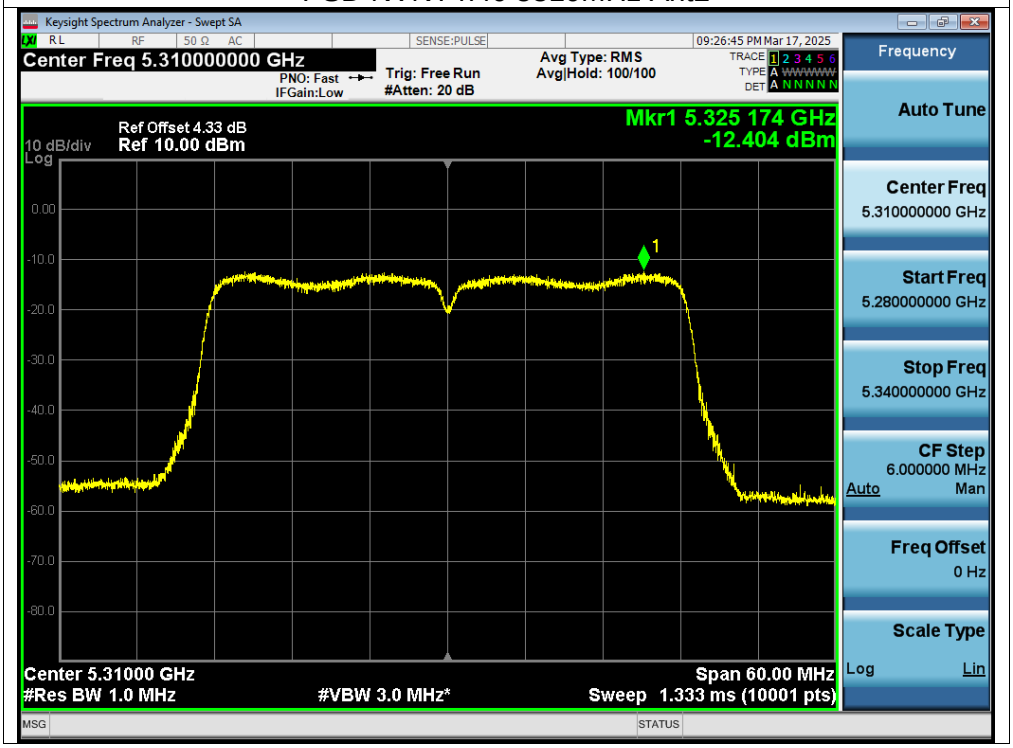
PSD NVNT n40 5310MHz Ant1




PSD NVNT n40 5310MHz Ant2





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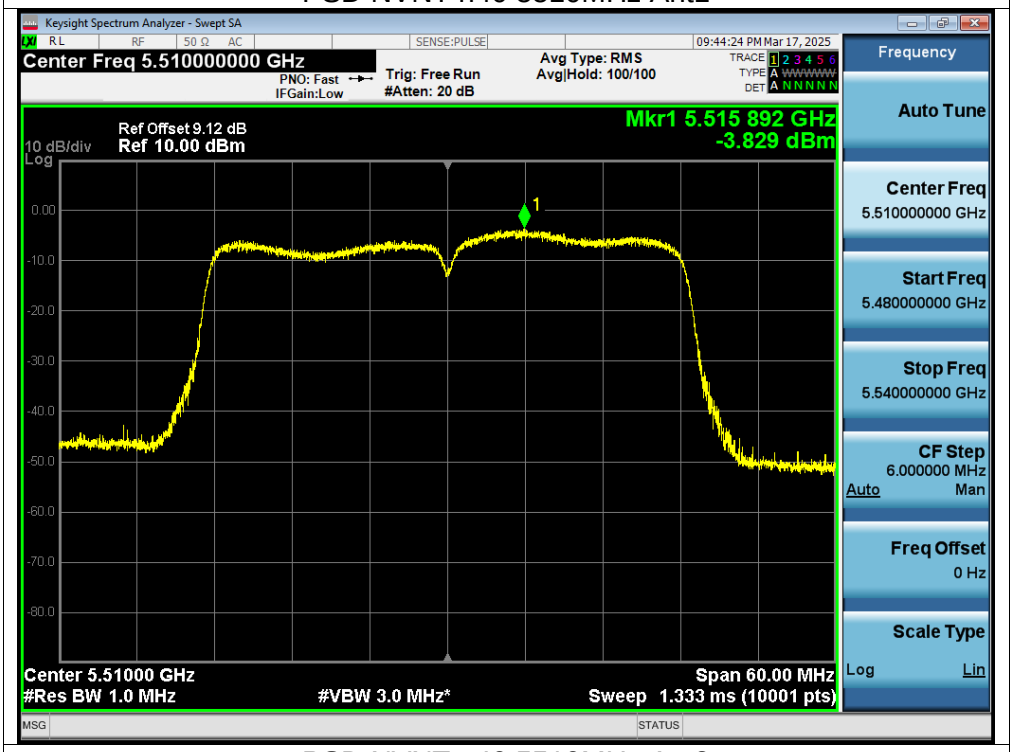
PSD NVNT n40 5510MHz Ant1




PSD NVNT n40 5510MHz Ant2

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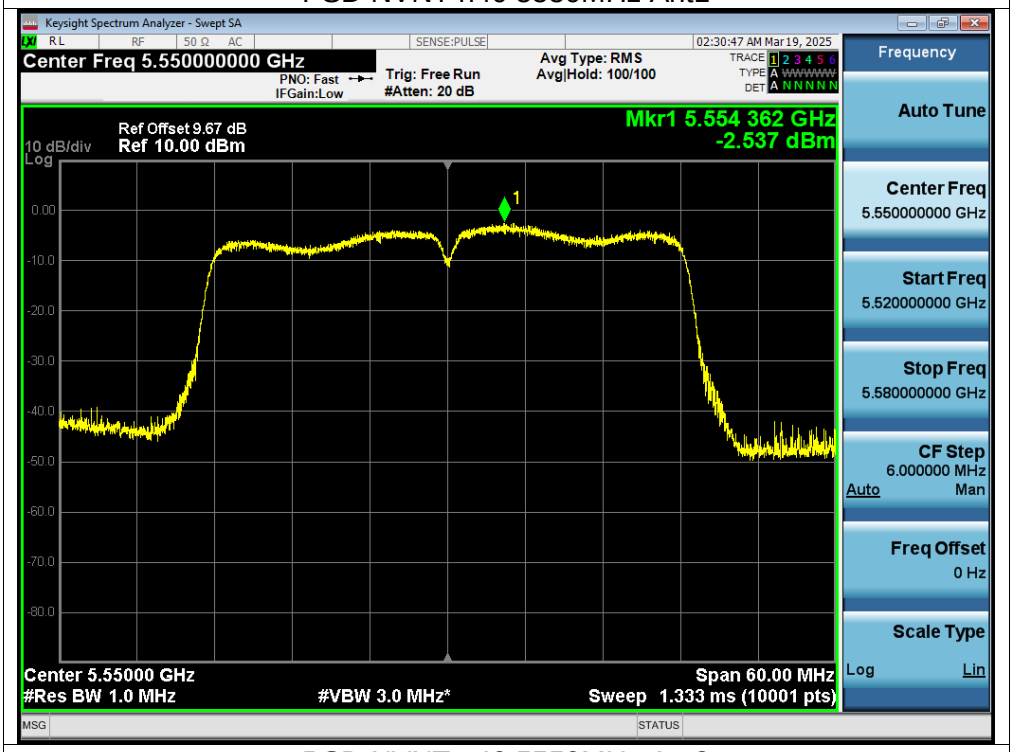
PSD NVNT n40 5550MHz Ant1




PSD NVNT n40 5550MHz Ant2

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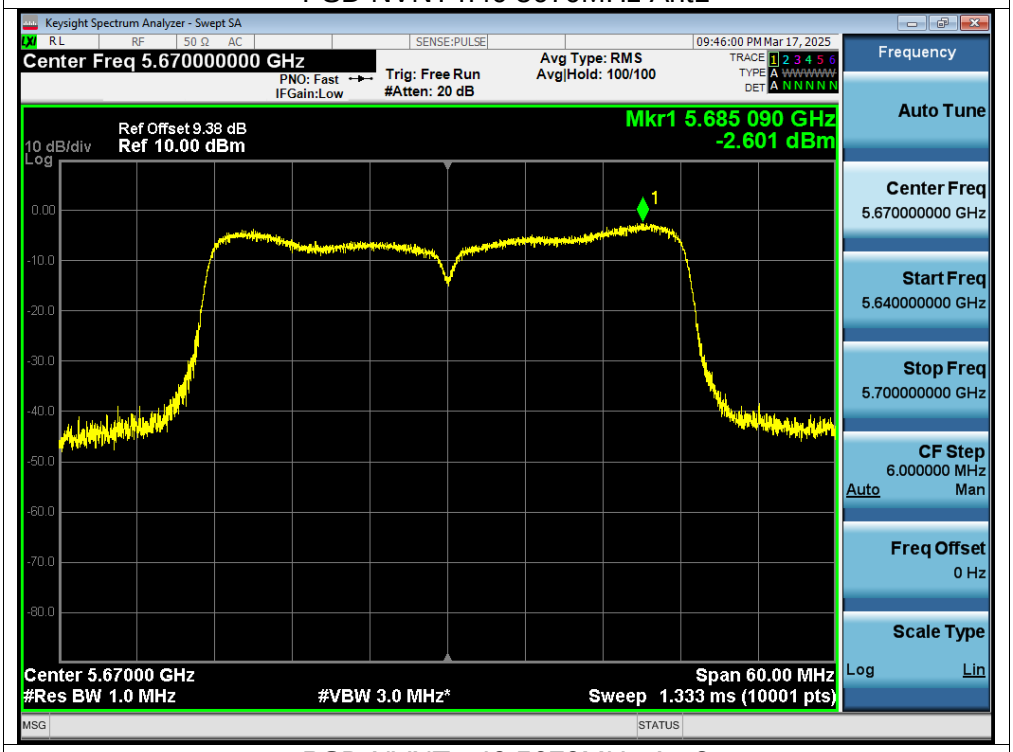
PSD NVNT n40 5670MHz Ant1




PSD NVNT n40 5670MHz Ant2

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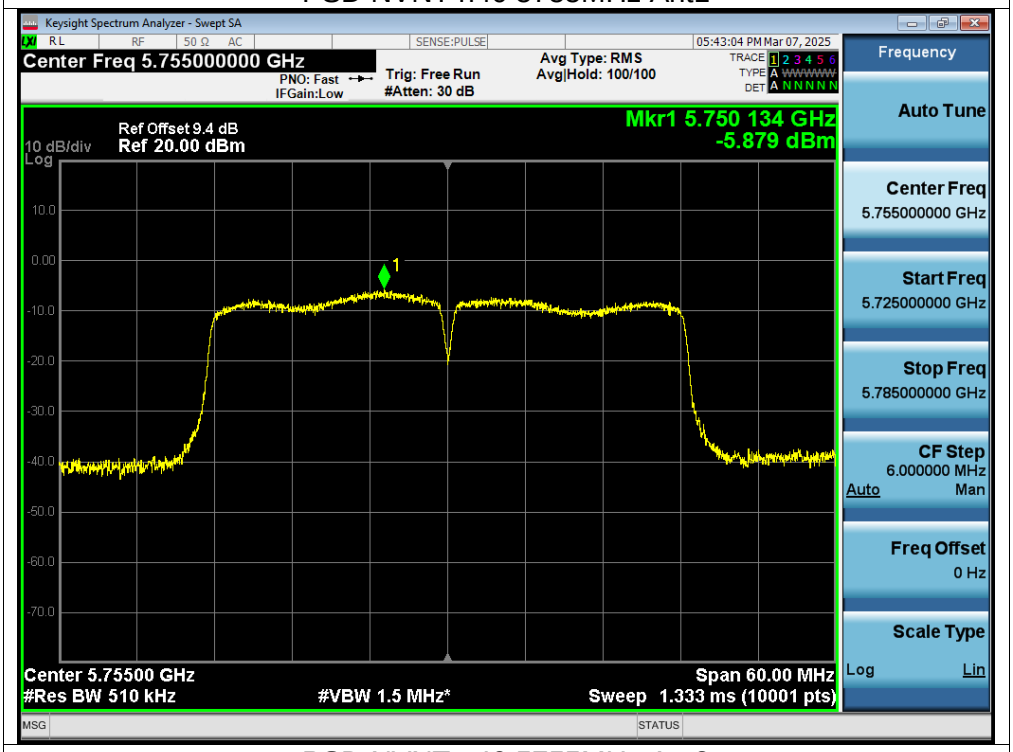
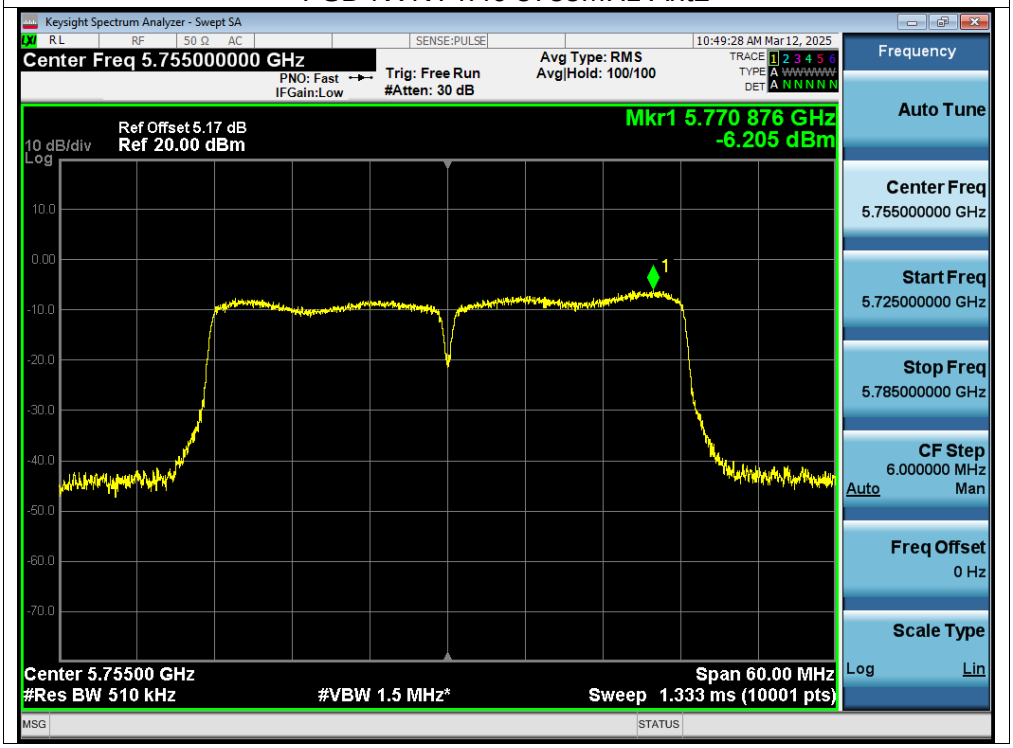
PSD NVNT n40 5755MHz Ant1




PSD NVNT n40 5755MHz Ant2





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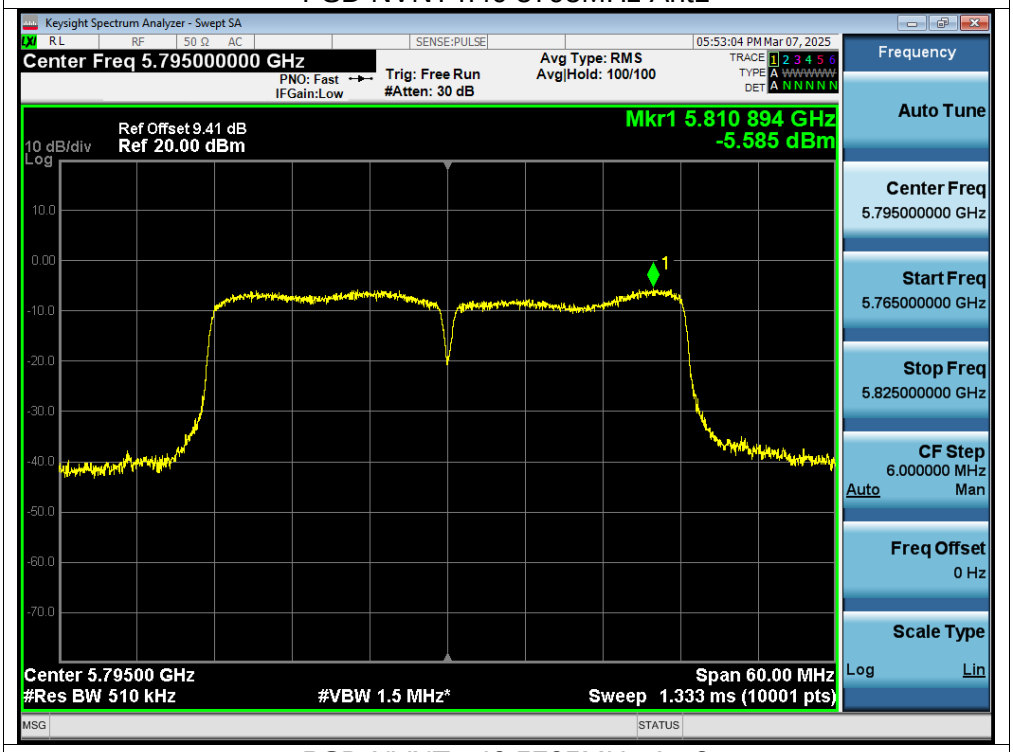
PSD NVNT n40 5795MHz Ant1




PSD NVNT n40 5795MHz Ant2

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PSD NVNT ac80 5210MHz Ant1

PSD NVNT ac80 5210MHz Ant2

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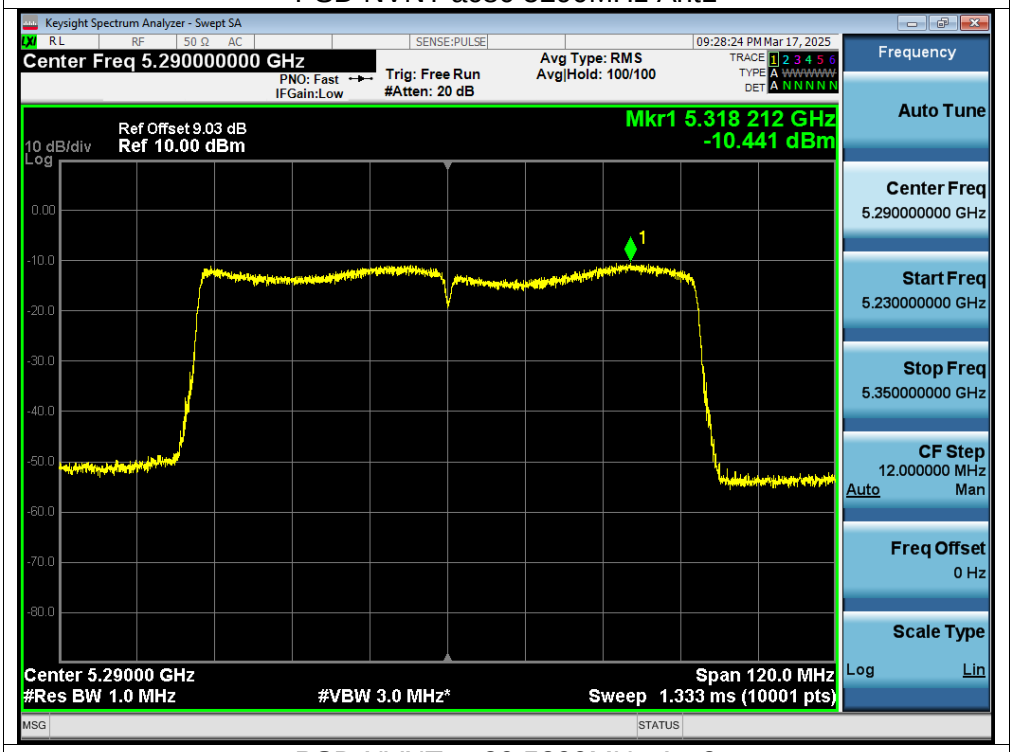
PSD NVNT ac80 5290MHz Ant1




PSD NVNT ac80 5290MHz Ant2

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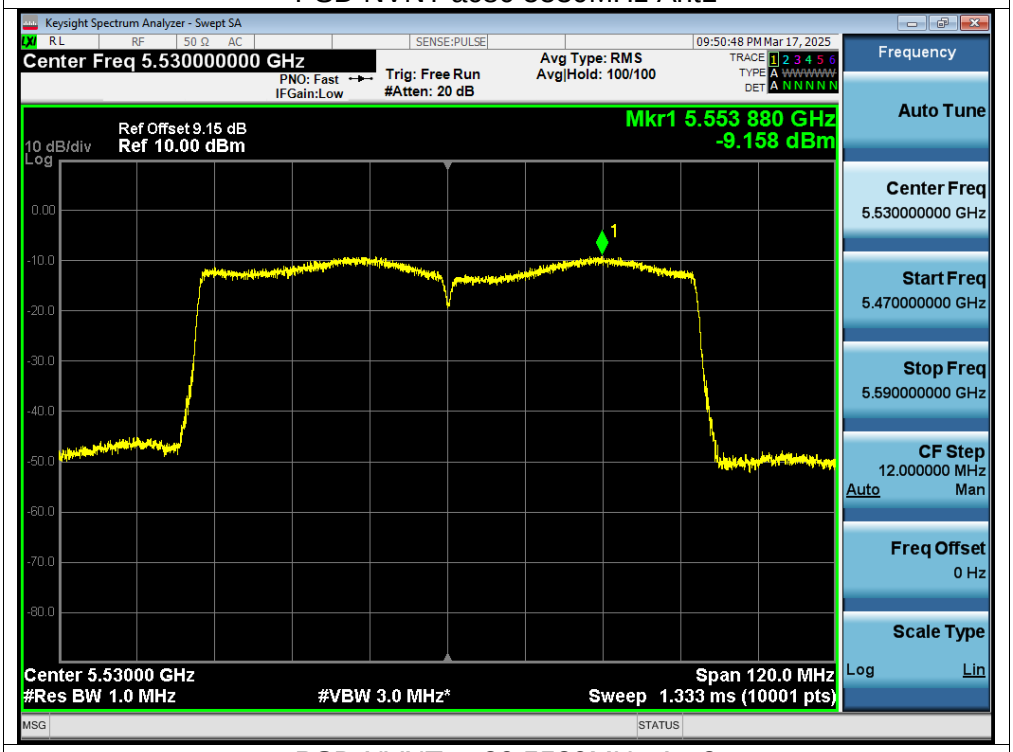
PSD NVNT ac80 5530MHz Ant1




PSD NVNT ac80 5530MHz Ant2

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PSD NVNT ac80 5610MHz Ant1

PSD NVNT ac80 5610MHz Ant2

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PSD NVNT ac80 5775MHz Ant1

PSD NVNT ac80 5775MHz Ant2

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## 11.6. APPENDIX F: FREQUENCY STABILITY

| Frequency Error vs. Voltage | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 802.11a:5825MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN | VL | 5824.9997 | -0.05 | 5824.9829 | -2.94 | 5824.9952 | -0.82 | 5824.9965 | -0.61 |
| TN | VN | 5824.9921 | -1.36 | 5824.9758 | -4.15 | 5825.0197 | 3.38 | 5824.9814 | -3.19 |
| TN | VH | 5824.9990 | -0.17 | 5824.9855 | -2.49 | 5824.9966 | -0.59 | 5824.9832 | -2.89 |

| Frequency Error vs. Temperature | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 802.11a:5825MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| 50 | VN | 5825.0018 | 0.30 | 5825.0121 | 2.08 | 5825.0067 | 1.16 | 5824.9951 | -0.84 |
| 40 | VN | 5824.9864 | -2.34 | 5824.9862 | -2.38 | 5825.0067 | 1.14 | 5824.9927 | -1.26 |
| 30 | VN | 5825.0142 | 2.44 | 5825.0123 | 2.11 | 5825.0043 | 0.75 | 5825.0014 | 0.24 |
| 20 | VN | 5824.9825 | -3.01 | 5824.9819 | -3.11 | 5825.0235 | 4.03 | 5825.0103 | 1.76 |
| 10 | VN | 5825.0219 | 3.76 | 5825.0048 | 0.83 | 5825.0025 | 0.43 | 5825.0159 | 2.73 |
| 0 | VN | 5825.0039 | 0.67 | 5824.9912 | -1.51 | 5824.9941 | -1.02 | 5824.9909 | -1.56 |
| -10 | VN | 5824.9799 | -3.46 | 5824.9781 | -3.76 | 5825.0065 | 1.11 | 5824.9808 | -3.30 |
| -20 | VN | 5824.9861 | -2.39 | 5824.9842 | -2.71 | 5824.9987 | -0.22 | 5824.9890 | -1.89 |

Note:
1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.


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## 11.7. APPENDIX G: -6DB BANDWIDTH

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | 16.4 | ≥0.5 | Pass |
| NVNT | a | 5745 | Ant2 | 16.34 | ≥0.5 | Pass |
| NVNT | a | 5785 | Ant1 | 16.33 | ≥0.5 | Pass |
| NVNT | a | 5785 | Ant2 | 16.41 | ≥0.5 | Pass |
| NVNT | a | 5825 | Ant1 | 16.08 | ≥0.5 | Pass |
| NVNT | a | 5825 | Ant2 | 16.33 | ≥0.5 | Pass |
| NVNT | n20 | 5745 | Ant1 | 17.17 | ≥0.5 | Pass |
| NVNT | n20 | 5745 | Ant2 | 17.63 | ≥0.5 | Pass |
| NVNT | n20 | 5785 | Ant1 | 17.3 | ≥0.5 | Pass |
| NVNT | n20 | 5785 | Ant2 | 17.57 | ≥0.5 | Pass |
| NVNT | n20 | 5825 | Ant1 | 17.21 | ≥0.5 | Pass |
| NVNT | n20 | 5825 | Ant2 | 17.57 | ≥0.5 | Pass |
| NVNT | n40 | 5755 | Ant1 | 35.32 | ≥0.5 | Pass |
| NVNT | n40 | 5755 | Ant2 | 33.99 | ≥0.5 | Pass |
| NVNT | n40 | 5795 | Ant1 | 35.72 | ≥0.5 | Pass |
| NVNT | n40 | 5795 | Ant2 | 35.73 | ≥0.5 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 74.47 | ≥0.5 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 75.62 | ≥0.5 | Pass |


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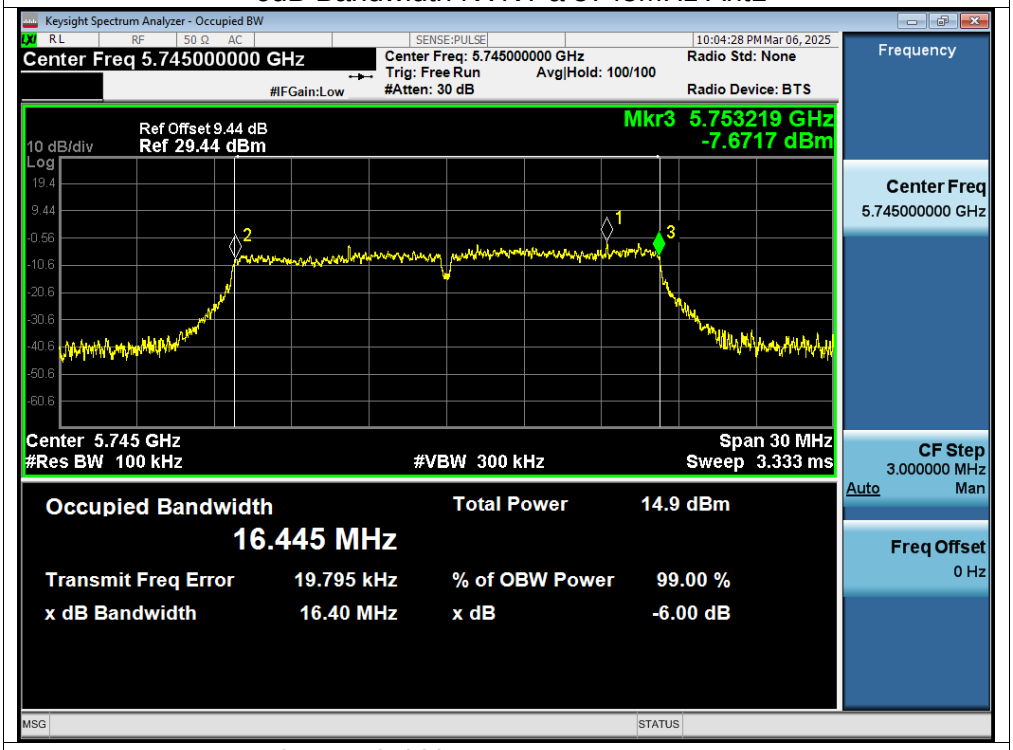
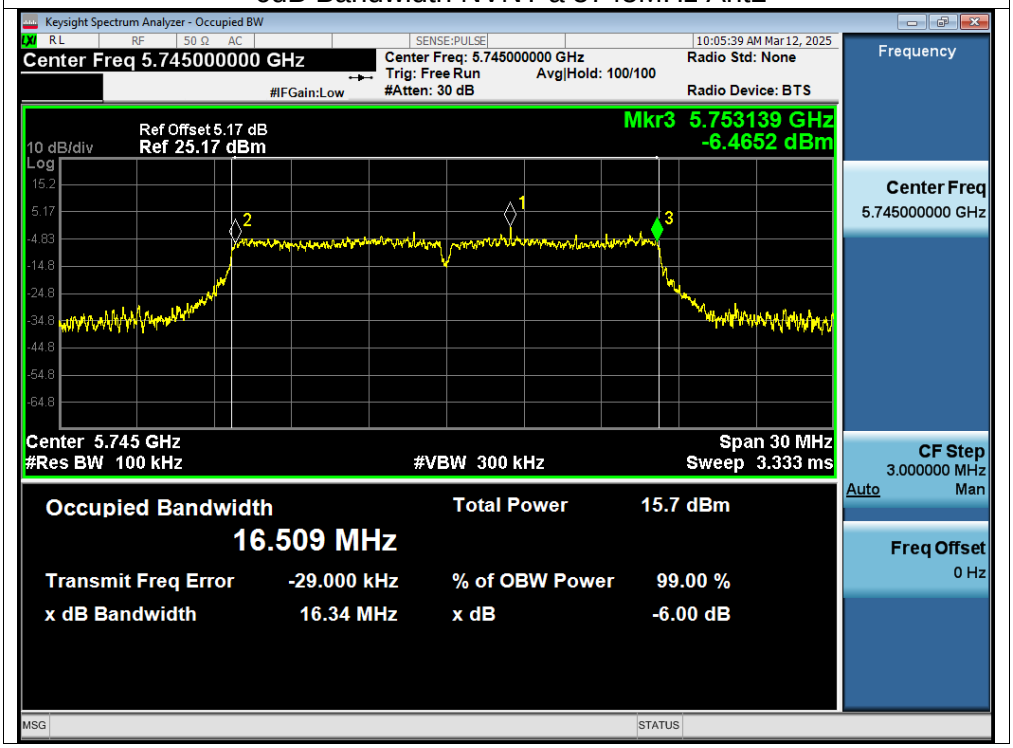
## Test Graphs

### -6dB Bandwidth NVNT a 5745MHz Ant1




### -6dB Bandwidth NVNT a 5745MHz Ant2





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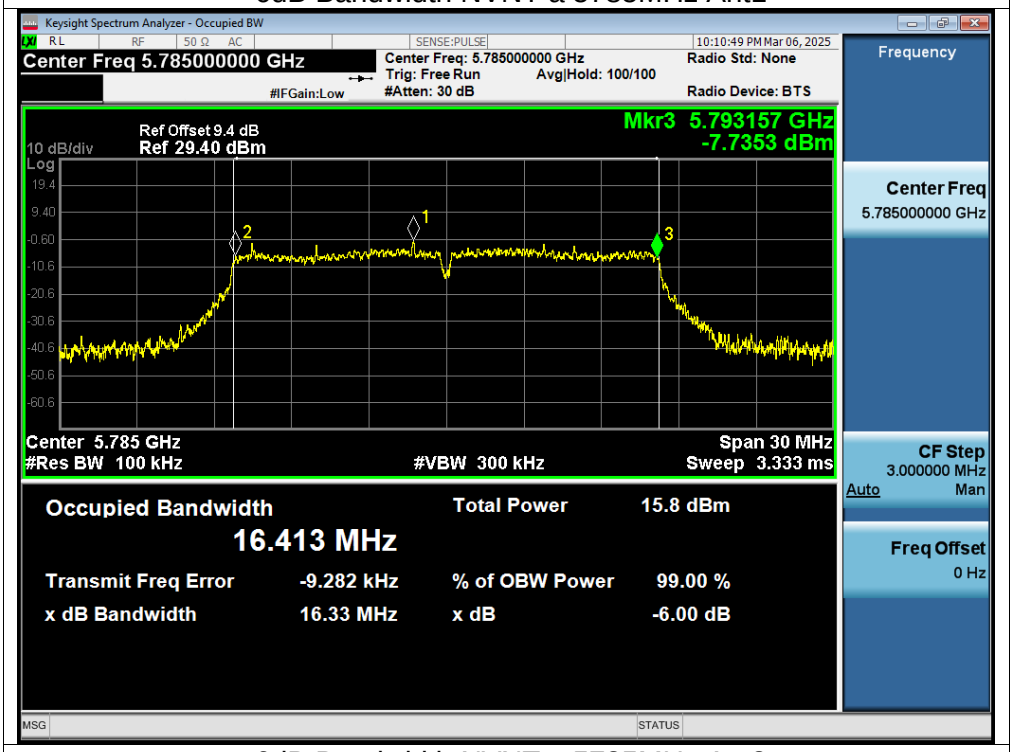
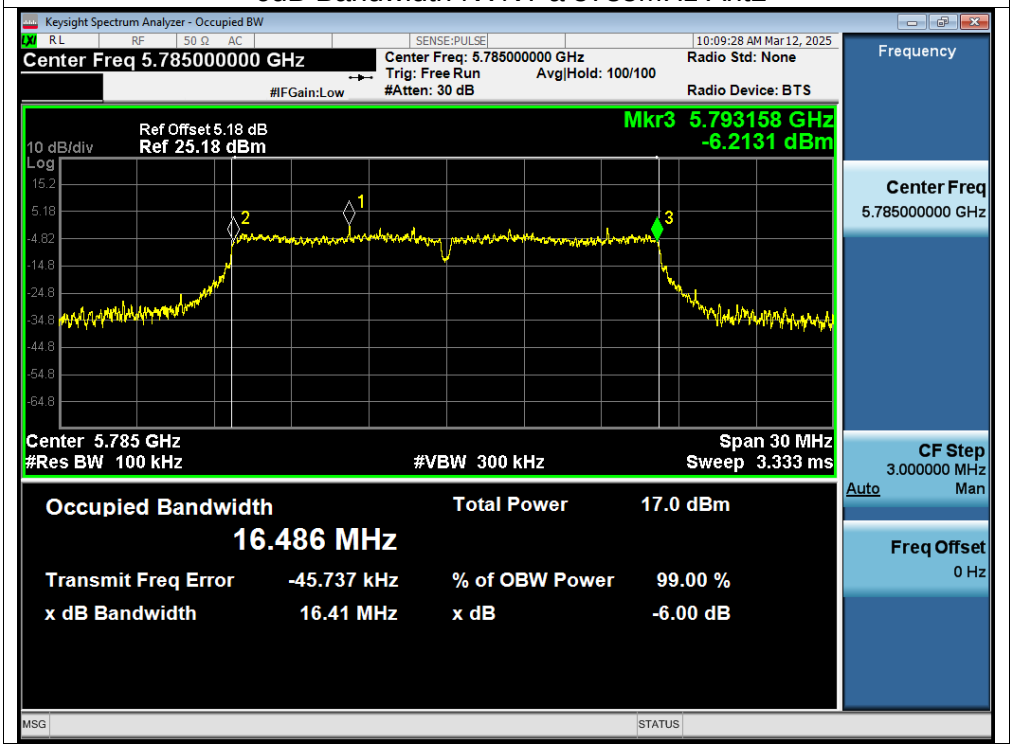
-6dB Bandwidth NVNT a 5785MHz Ant1




-6dB Bandwidth NVNT a 5785MHz Ant2





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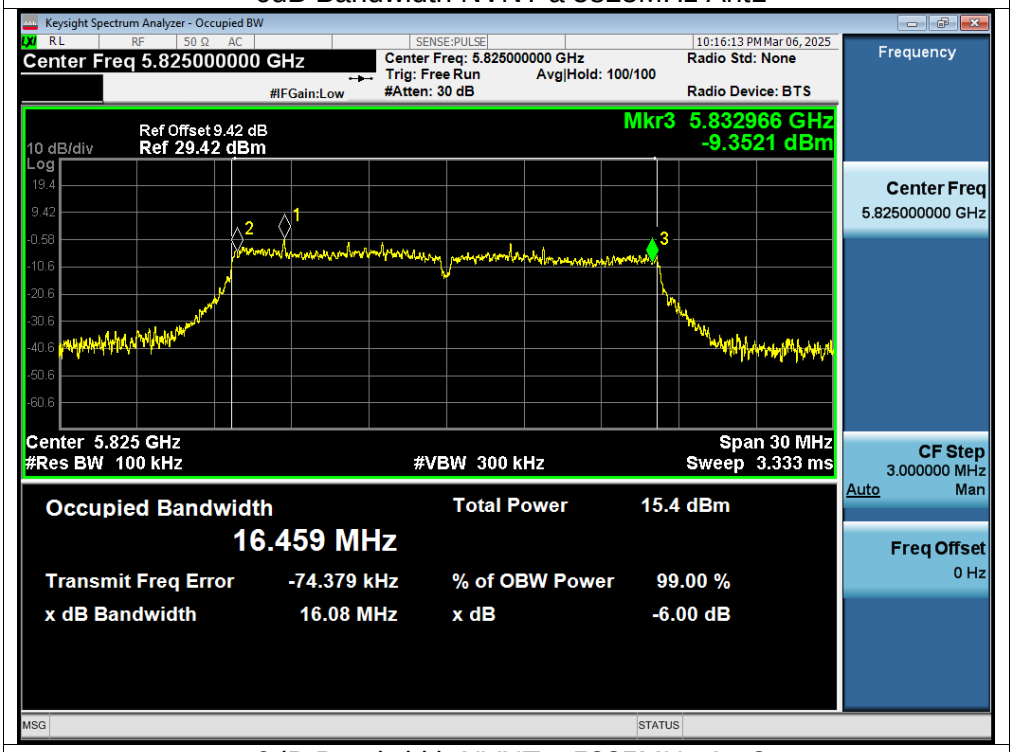
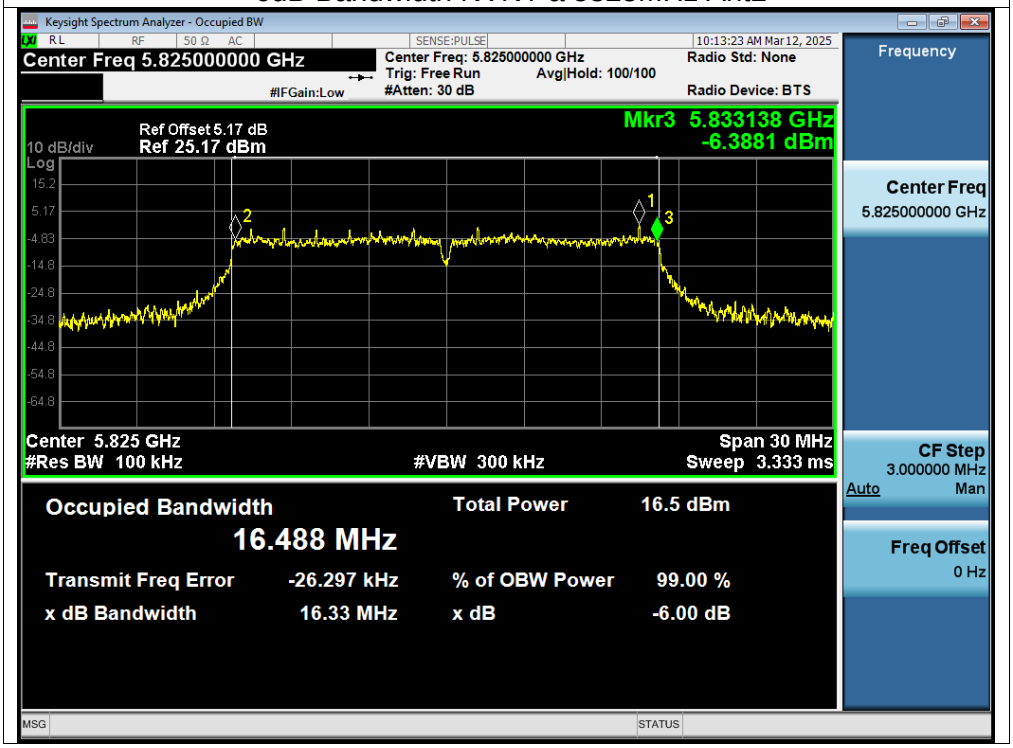
-6dB Bandwidth NVNT a 5825MHz Ant1




-6dB Bandwidth NVNT a 5825MHz Ant2





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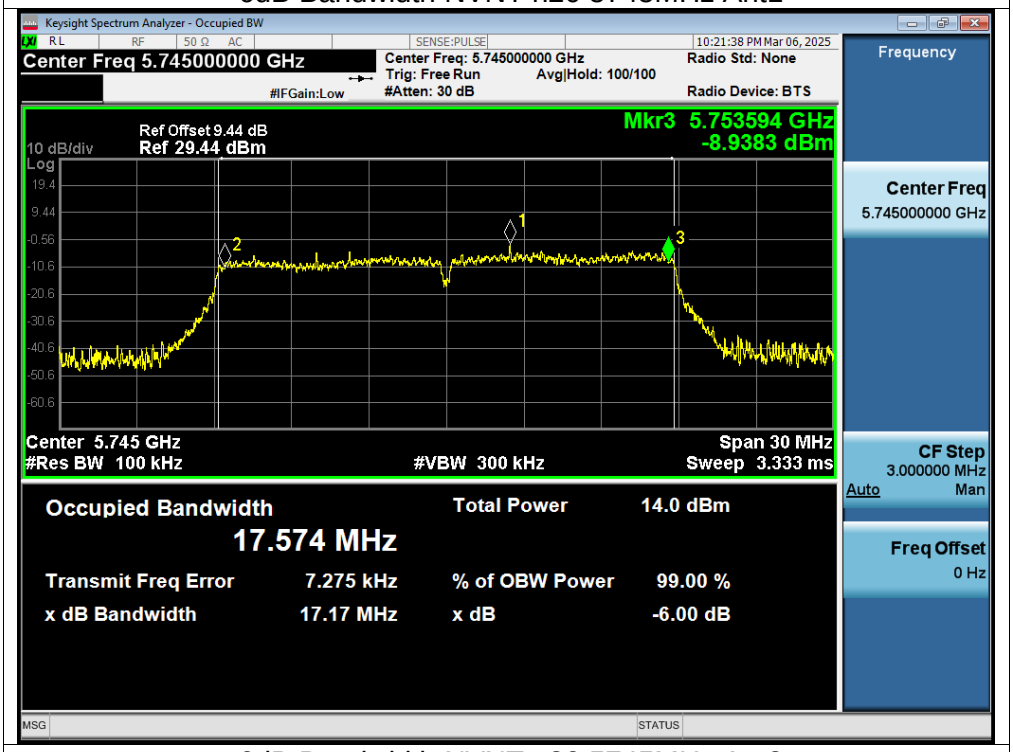
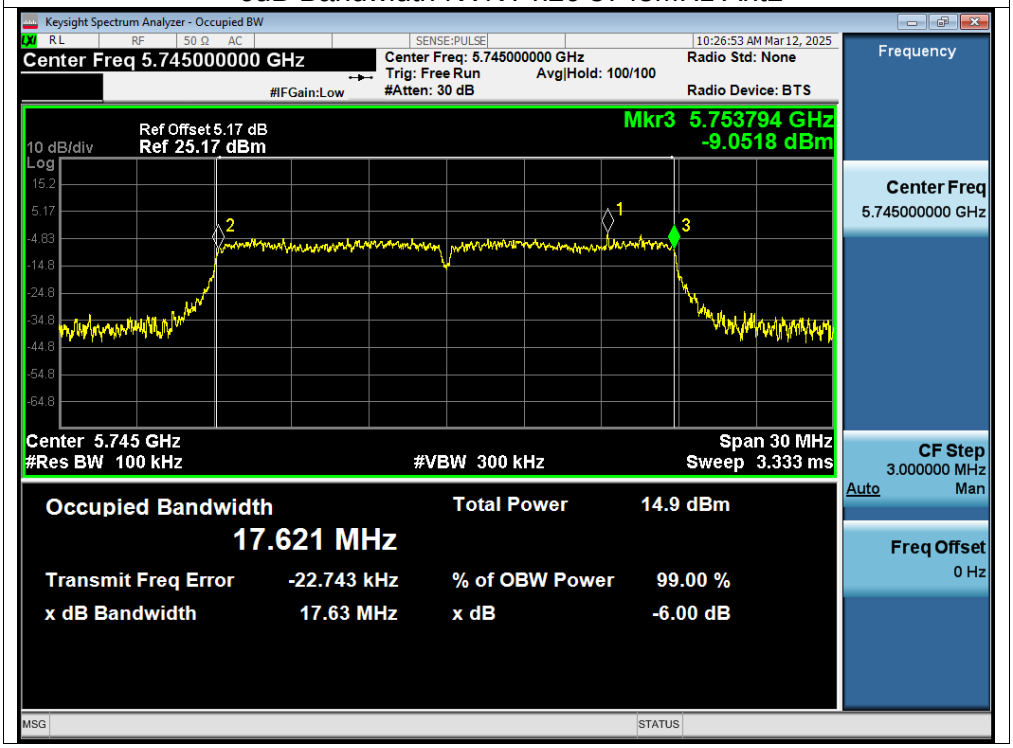
-6dB Bandwidth NVNT n20 5745MHz Ant1




-6dB Bandwidth NVNT n20 5745MHz Ant2





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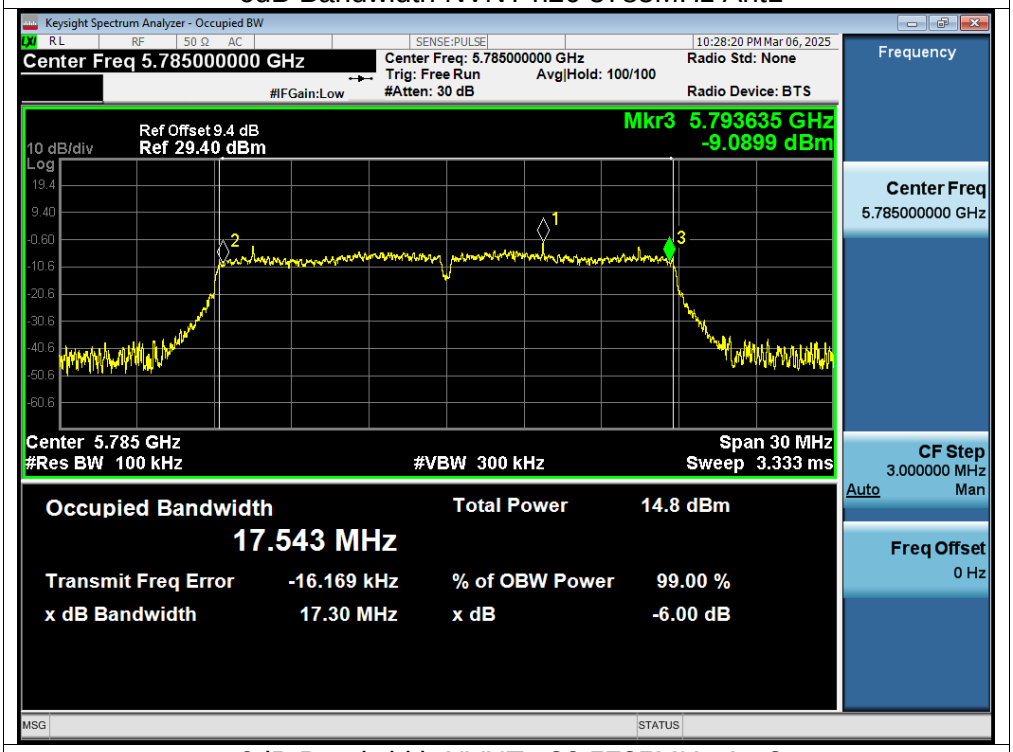
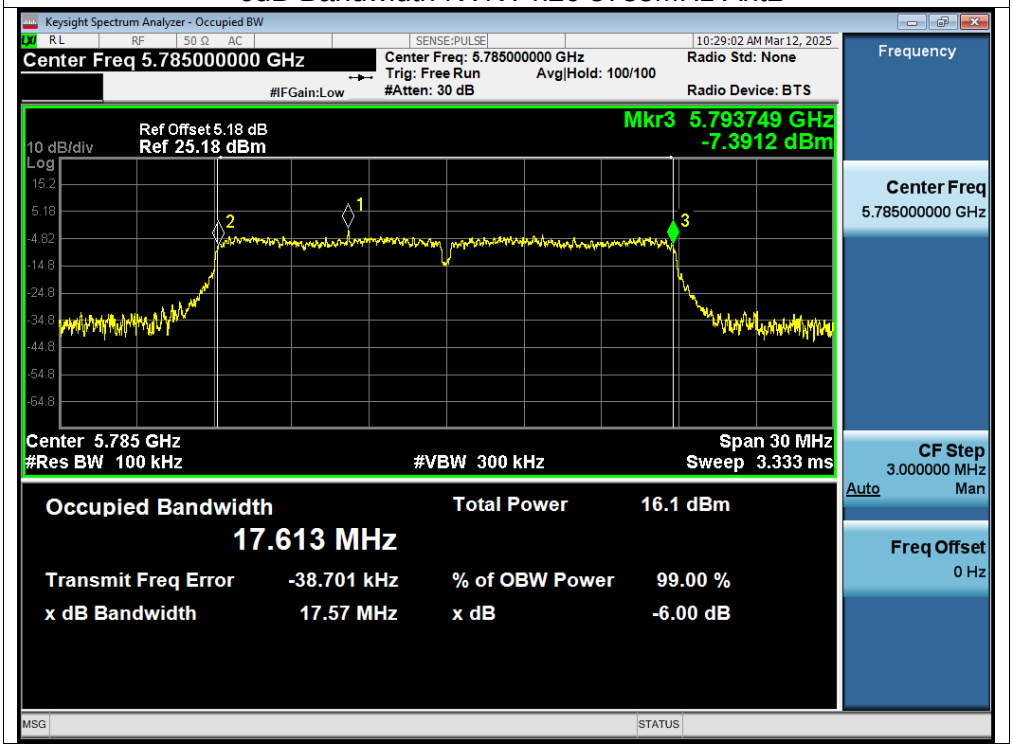
-6dB Bandwidth NVNT n20 5785MHz Ant1




-6dB Bandwidth NVNT n20 5785MHz Ant2





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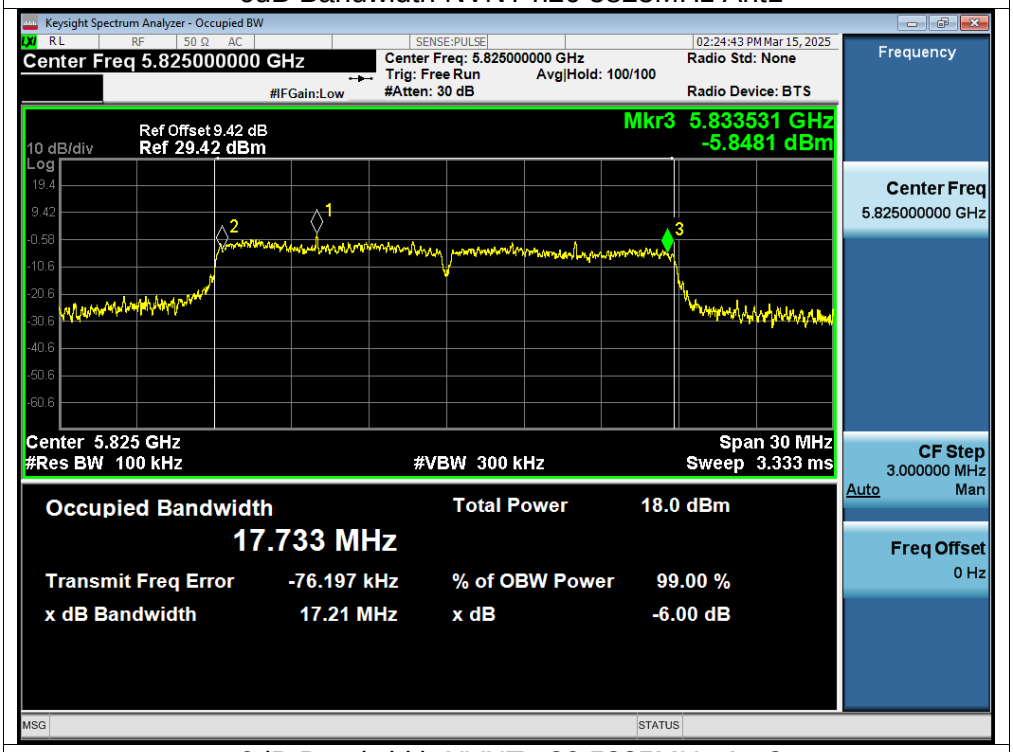
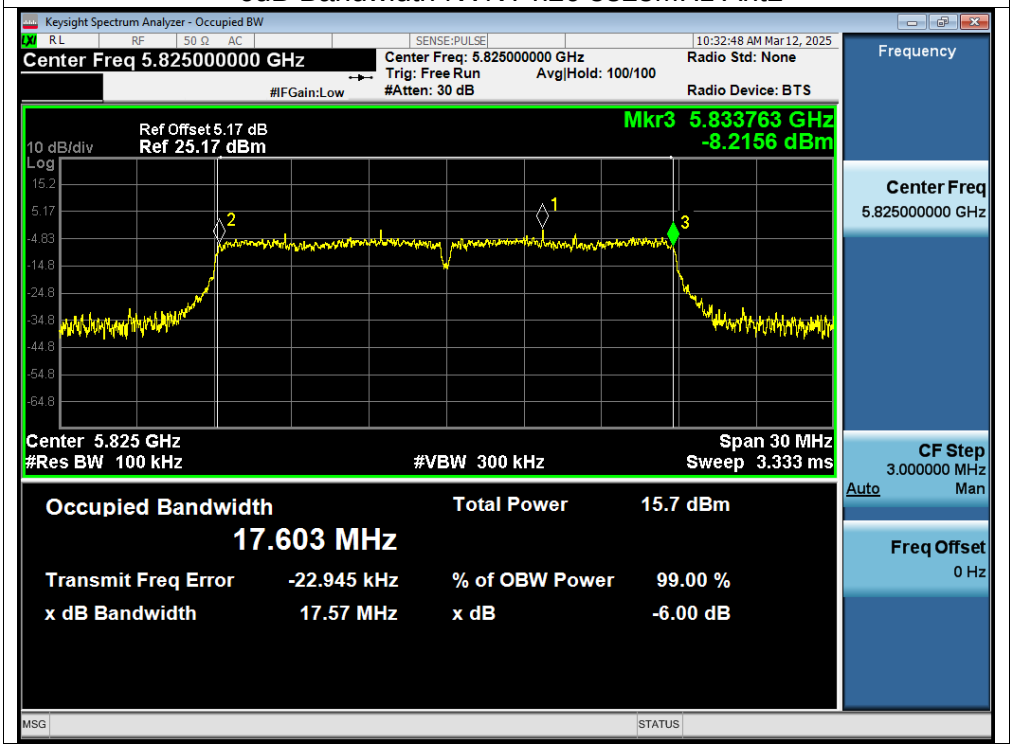
-6dB Bandwidth NVNT n20 5825MHz Ant1




-6dB Bandwidth NVNT n20 5825MHz Ant2





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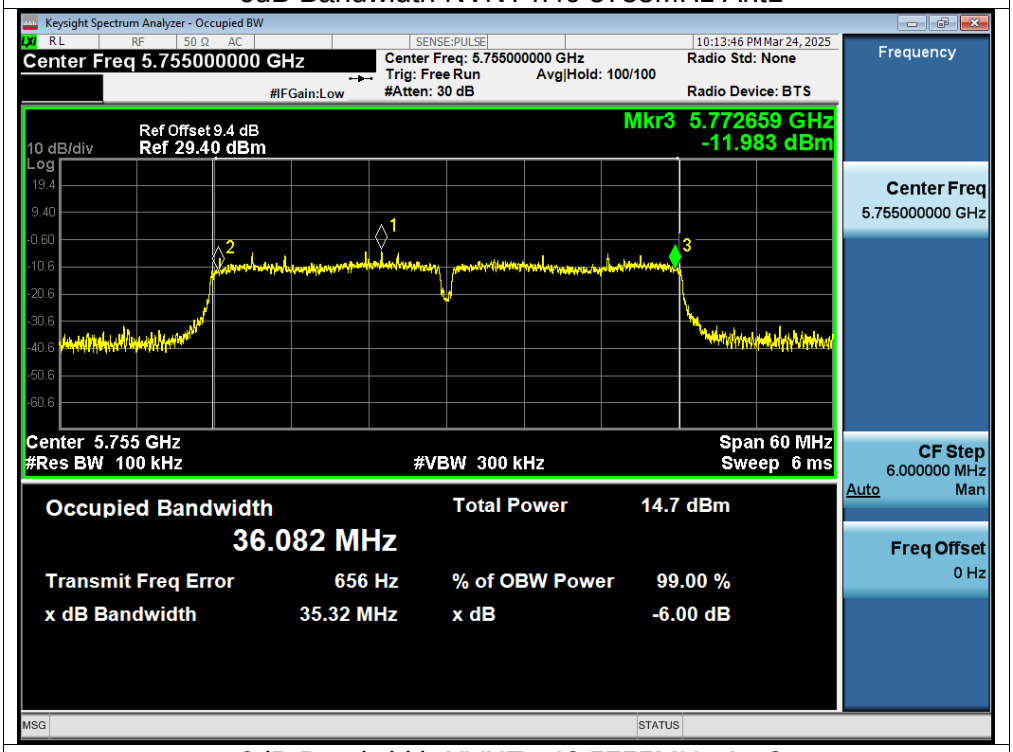
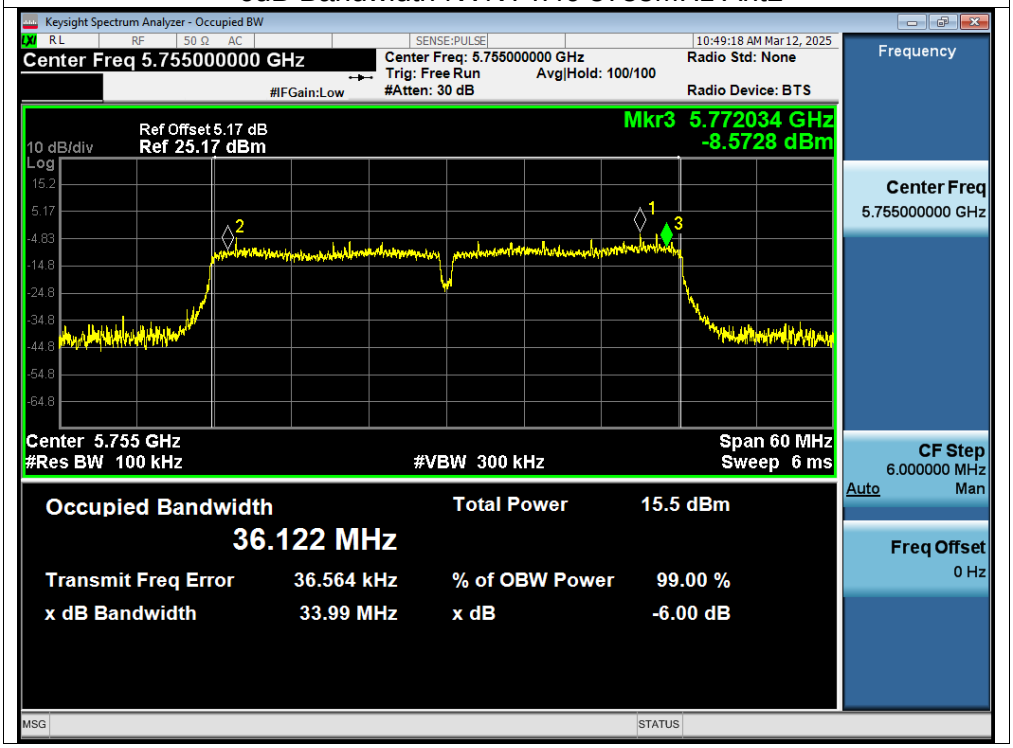
-6dB Bandwidth NVNT n40 5755MHz Ant1




-6dB Bandwidth NVNT n40 5755MHz Ant2





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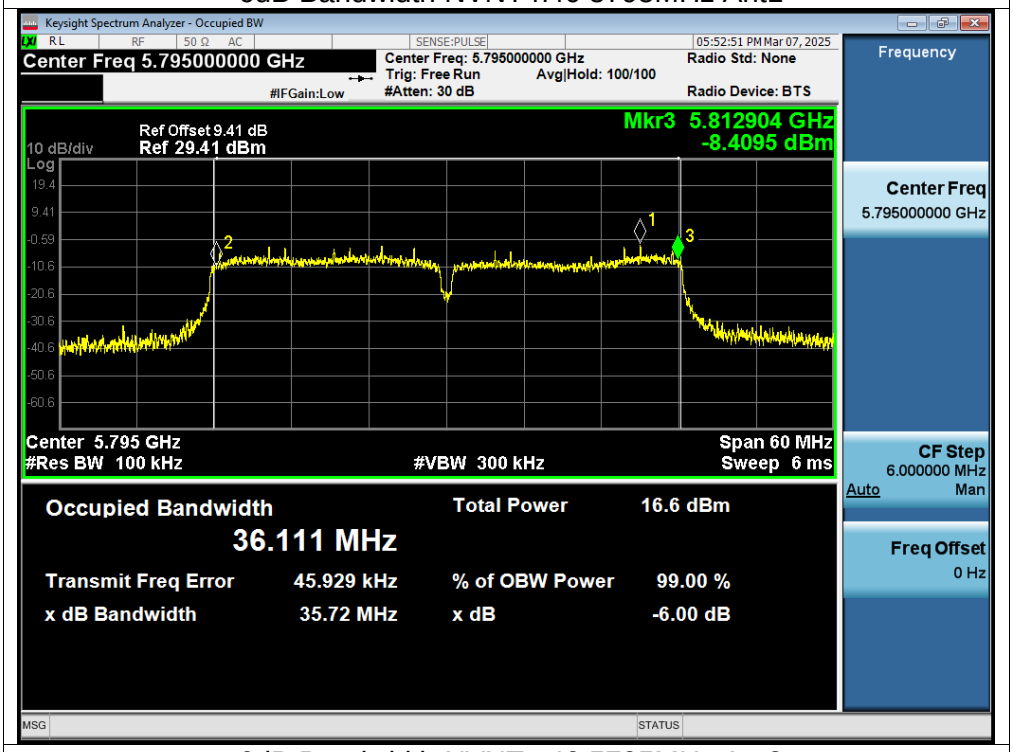
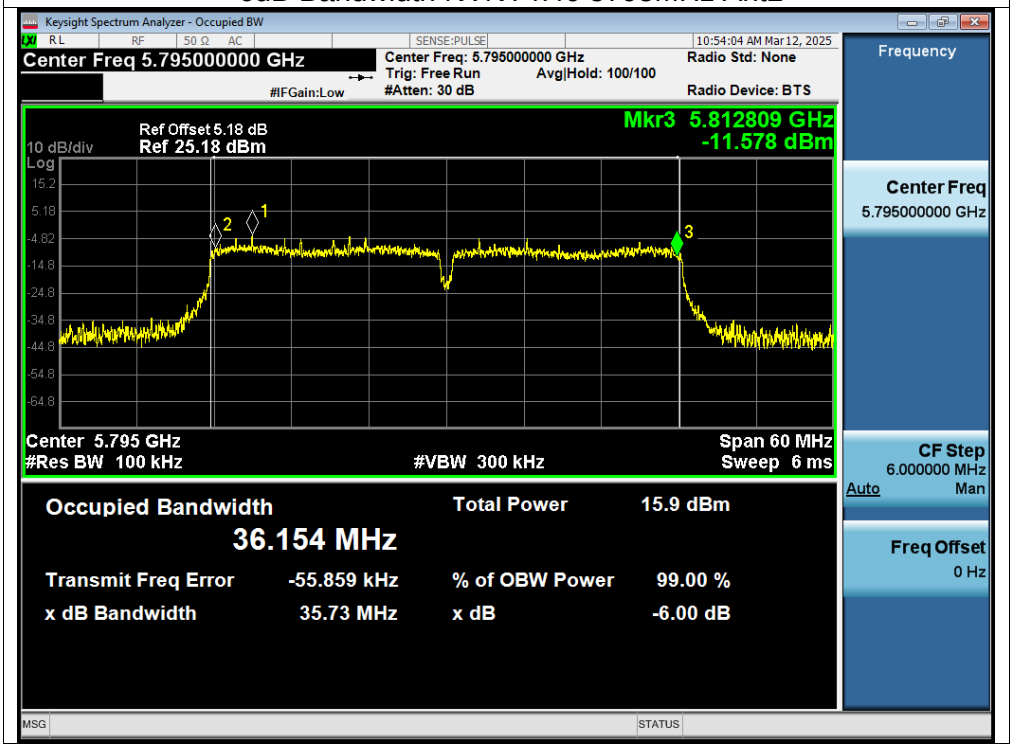
-6dB Bandwidth NVNT n40 5795MHz Ant1




-6dB Bandwidth NVNT n40 5795MHz Ant2





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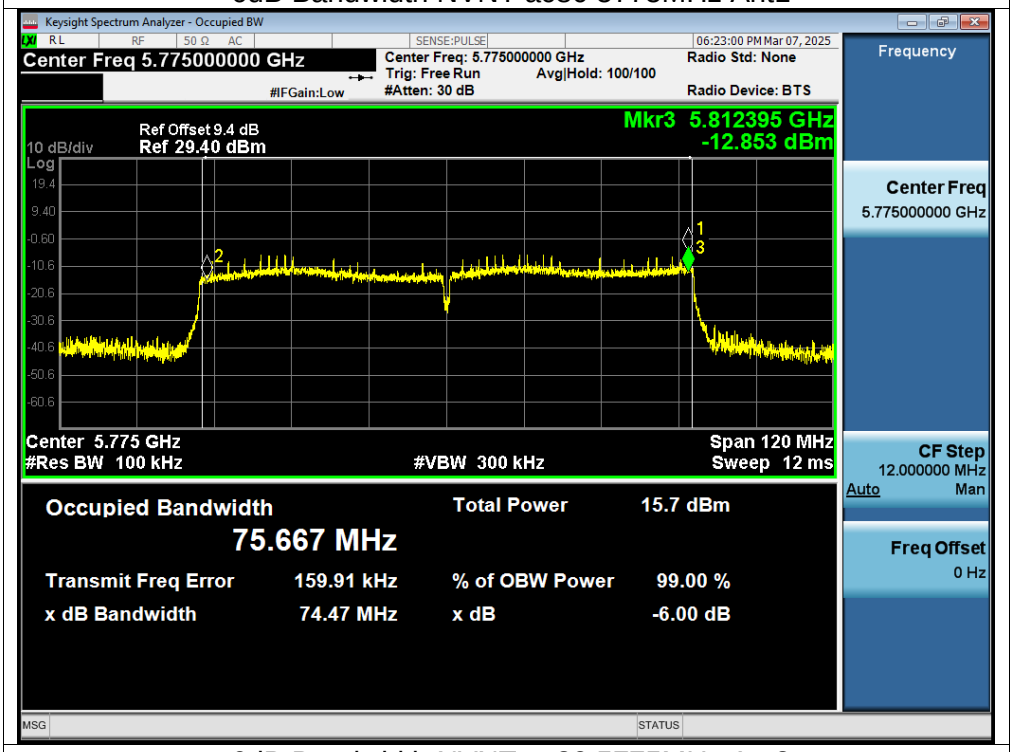
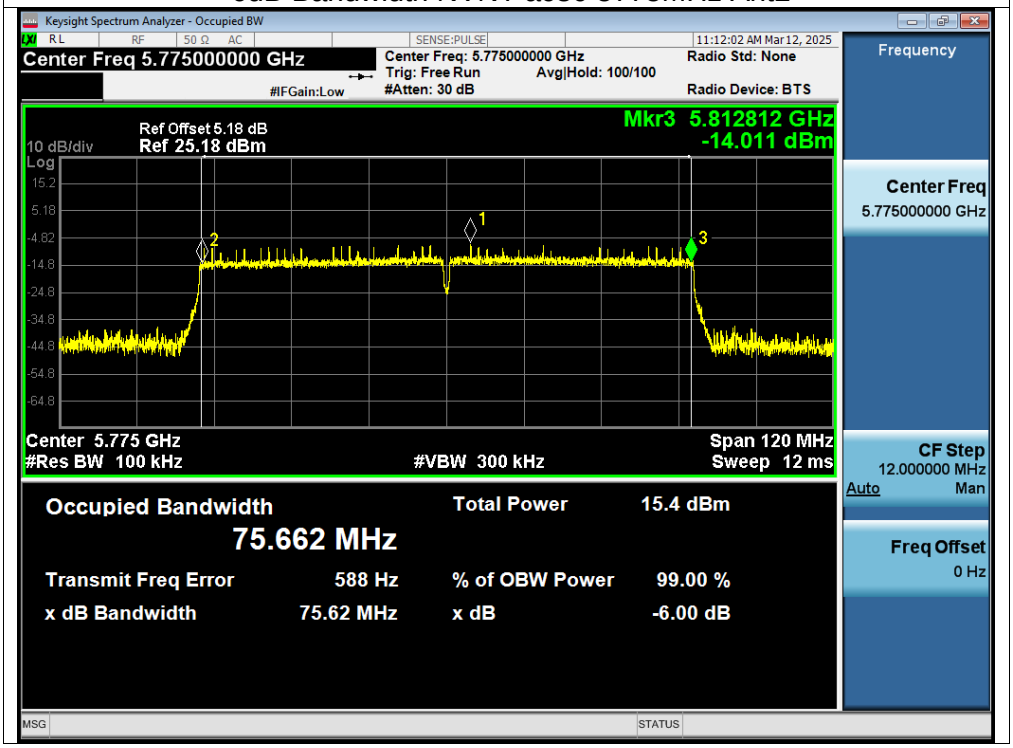
-6dB Bandwidth NVNT ac80 5775MHz Ant1




-6dB Bandwidth NVNT ac80 5775MHz Ant2





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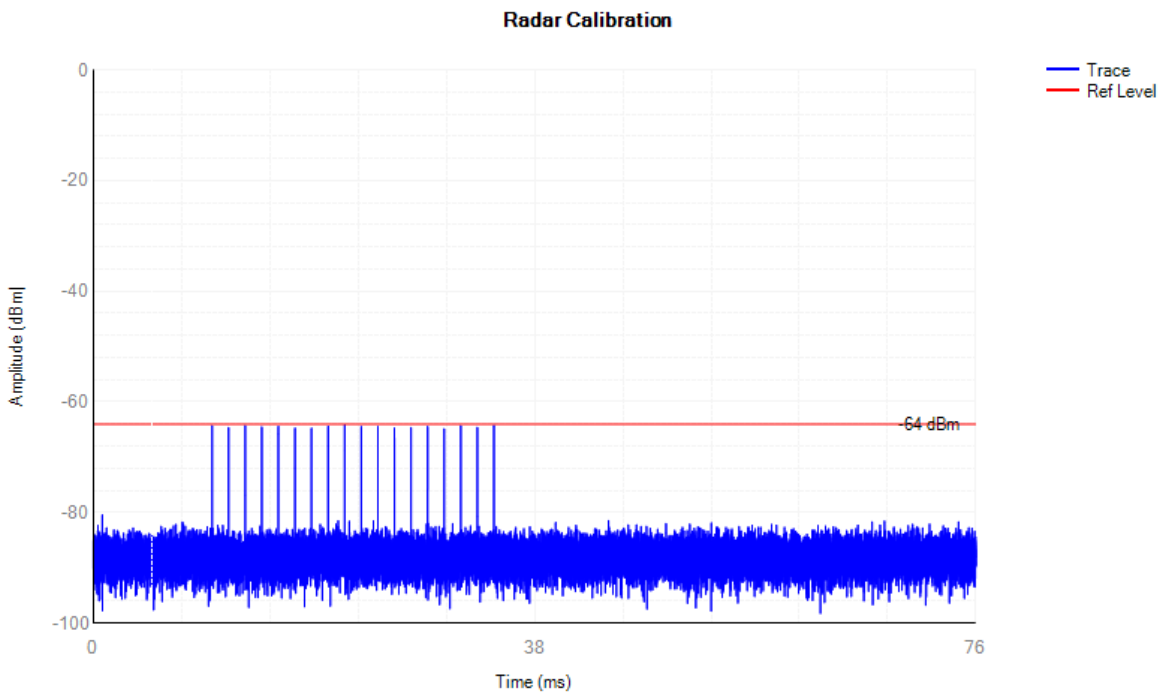
## 11.8. APPENDIX H: DYNAMIC FREQUENCY SELECTION

Calibration

| Mode | Frequency (MHz) | Type | Result | Verdict |
|---|---|---|---|---|
| ac80 | 5530 | DFS_FCC_T0 | See test Graph | Pass |

Test Graphs

5530MHz DFS_FCC_T0





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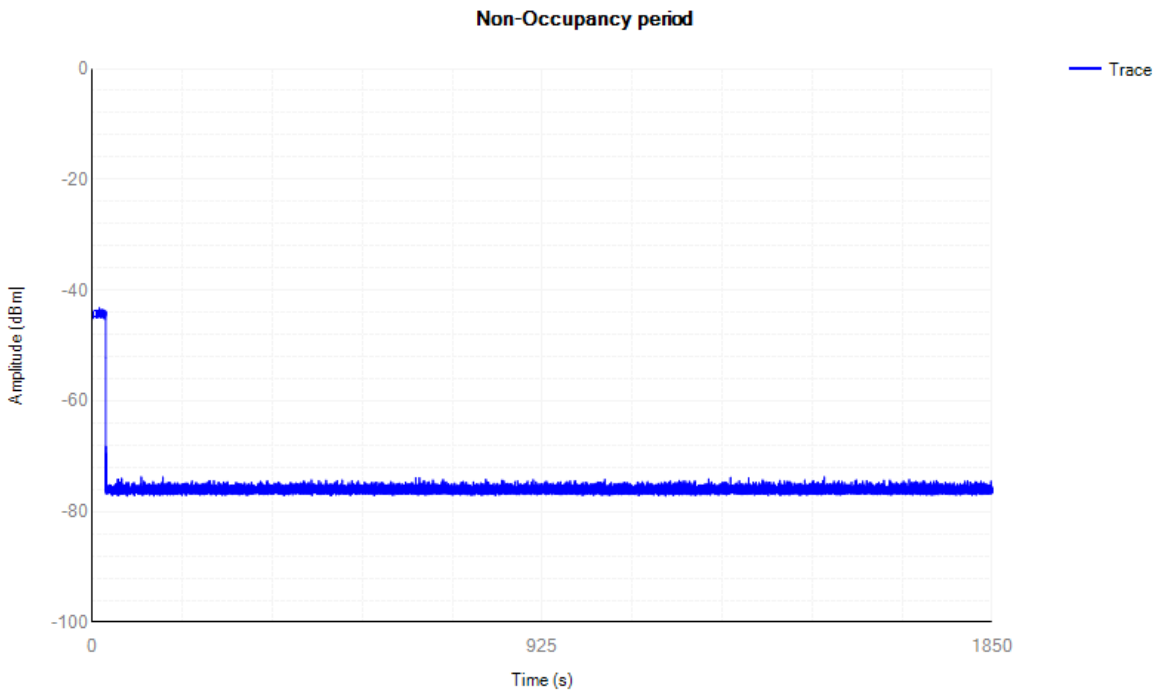
Non-Occupancy

| Mode | Frequency (MHz) | Result | Verdict |
|---|---|---|---|
| ac80 | 5530 | See test Graph | Pass |

Test Graphs

ac80 5530MHz Non-Occupancy





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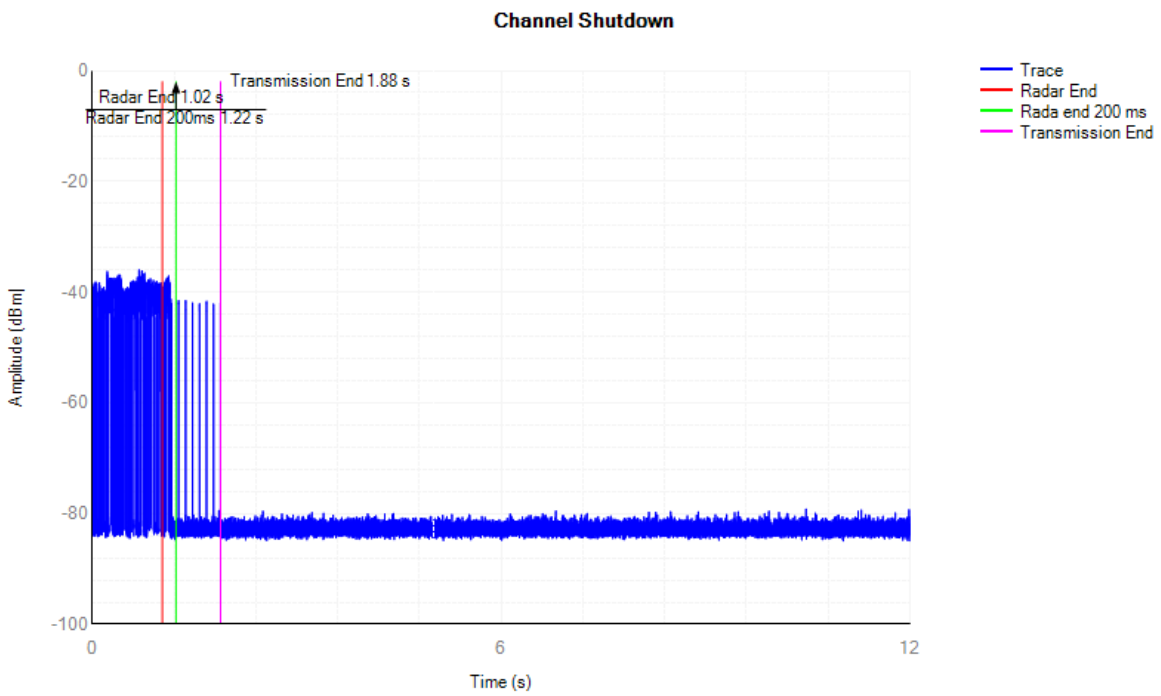
Shutdown Time

| Mode | Frequency (MHz) | Channel Move Time (s) | Limit Channel Move Time (s) | Close Transmission Time (s) | Limit Close Transmission Time (s) | Close Transmission Time after 200ms(s) | Limit Close Transmission Time after 200ms (s) | Verdict |
|---|---|---|---|---|---|---|---|---|
| ac80 | 5530 | 0.8541 | 10 | 0.1064 | 0.26 | 0.0084 | 0.06 | Pass |

Test Graphs

5530 MHz Shutdown

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