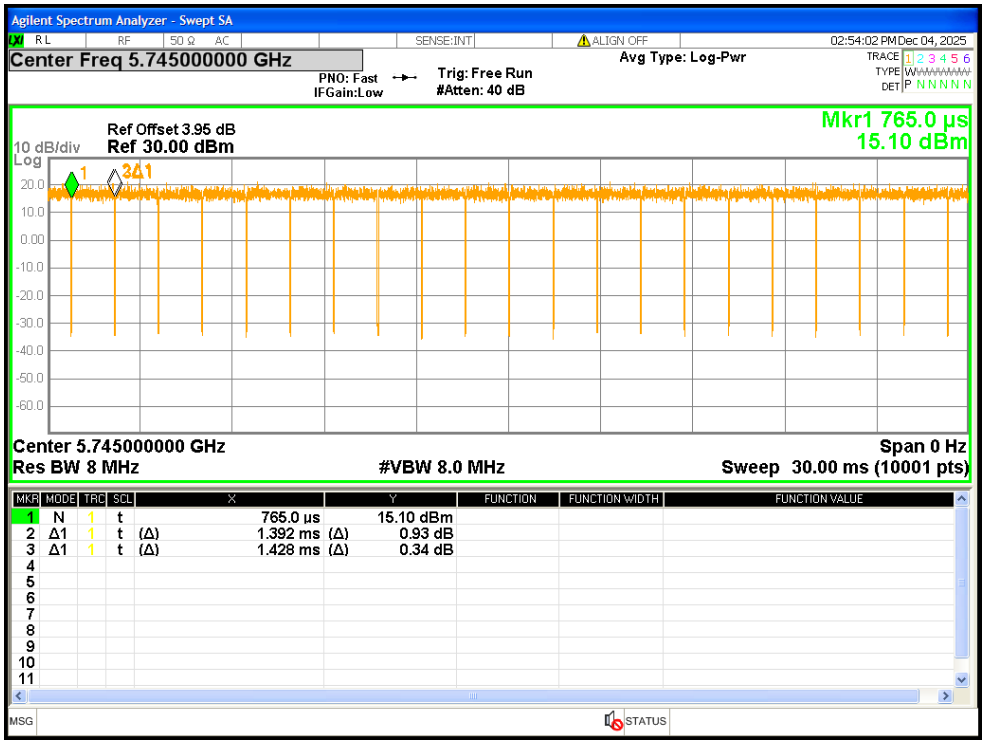
# Duty Cycle

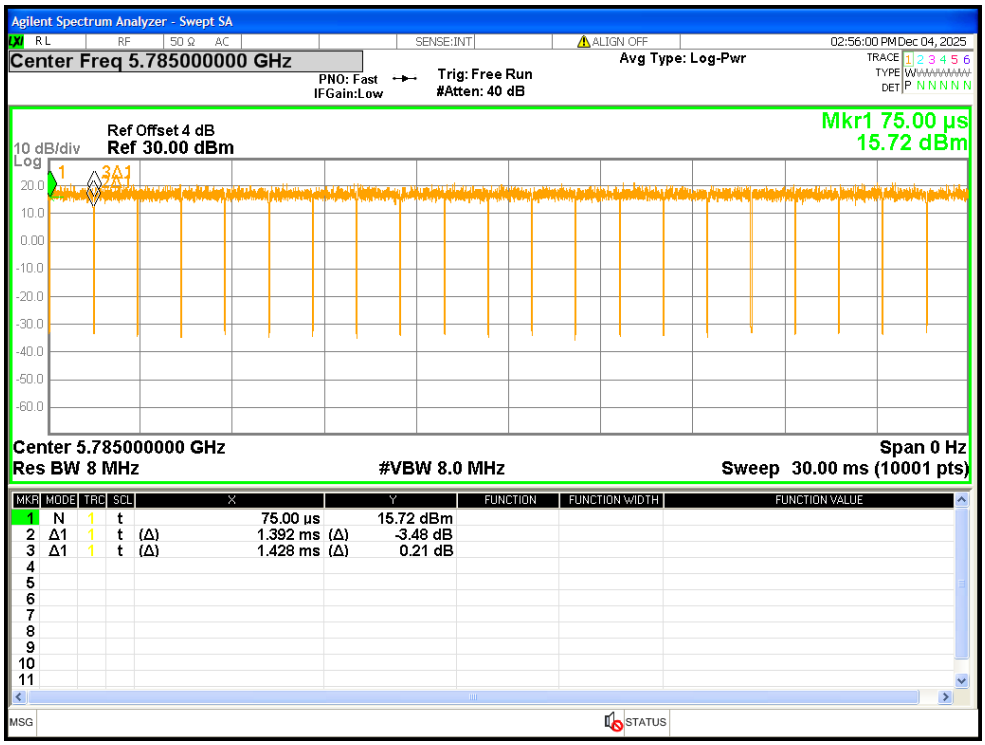
| Condition | Mode | Frequency (MHz) | On Time (ms) | Period (ms) | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) | Max Variation (%) |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | 1.392 | 1.428 | 97.48 | 0.11 | 0.72 | 0.22 |
| NVNT | a | 5785 | 1.392 | 1.428 | 97.48 | 0.11 | 0.72 | 0.23 |
| NVNT | a | 5825 | 1.392 | 1.428 | 97.48 | 0.11 | 0.72 | 0.21 |
| NVNT | n20 | 5745 | 1.3 | 1.336 | 97.31 | 0.12 | 0.77 | 0.23 |
| NVNT | n20 | 5785 | 1.3 | 1.336 | 97.31 | 0.12 | 0.77 | 0.25 |
| NVNT | n20 | 5825 | 1.3 | 1.336 | 97.31 | 0.12 | 0.77 | 0.23 |
| NVNT | n40 | 5755 | 0.648 | 0.683 | 94.88 | 0.23 | 1.54 | 0.22 |
| NVNT | n40 | 5795 | 0.649 | 0.683 | 95.02 | 0.22 | 1.54 | 0.25 |
| NVNT | ac20 | 5745 | 1.311 | 1.348 | 97.26 | 0.12 | 0.76 | 0.23 |
| NVNT | ac20 | 5785 | 1.312 | 1.347 | 97.4 | 0.11 | 0.76 | 0.40 |
| NVNT | ac20 | 5825 | 1.313 | 1.348 | 97.4 | 0.11 | 0.76 | 0.25 |
| NVNT | ac40 | 5755 | 0.652 | 0.687 | 94.91 | 0.23 | 1.53 | 0.32 |
| NVNT | ac40 | 5795 | 0.652 | 0.687 | 94.91 | 0.23 | 1.53 | 0.32 |
| NVNT | ac80 | 5775 | 0.324 | 0.358 | 90.5 | 0.43 | 3.09 | 0.33 |

## Test Graphs

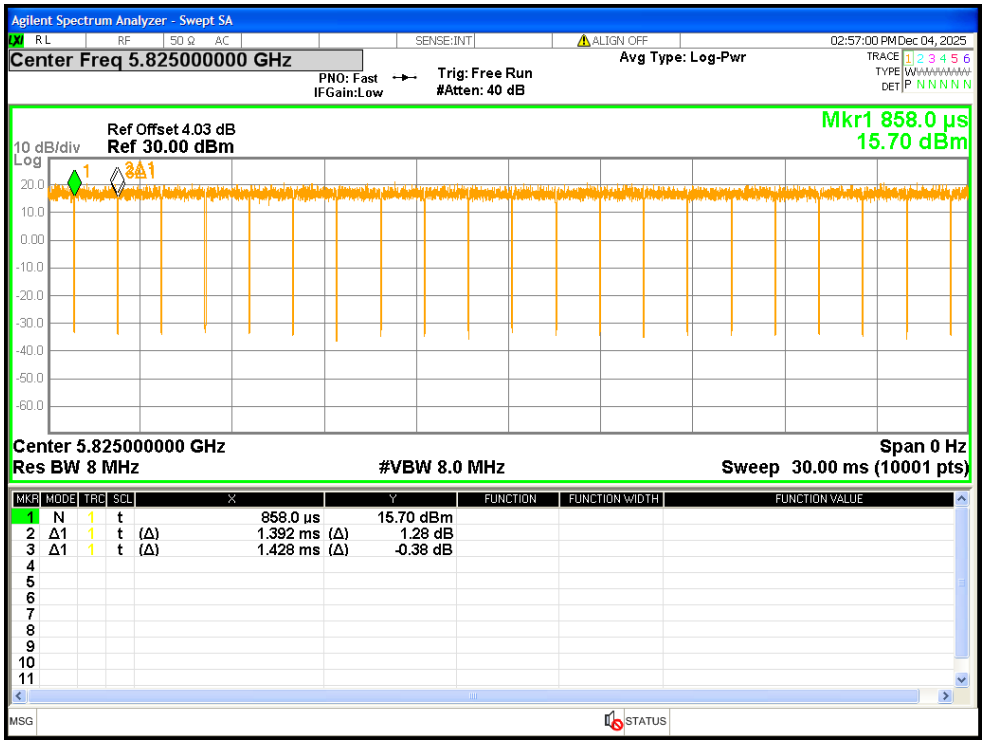
### Duty Cycle NVNT a 5745MHz



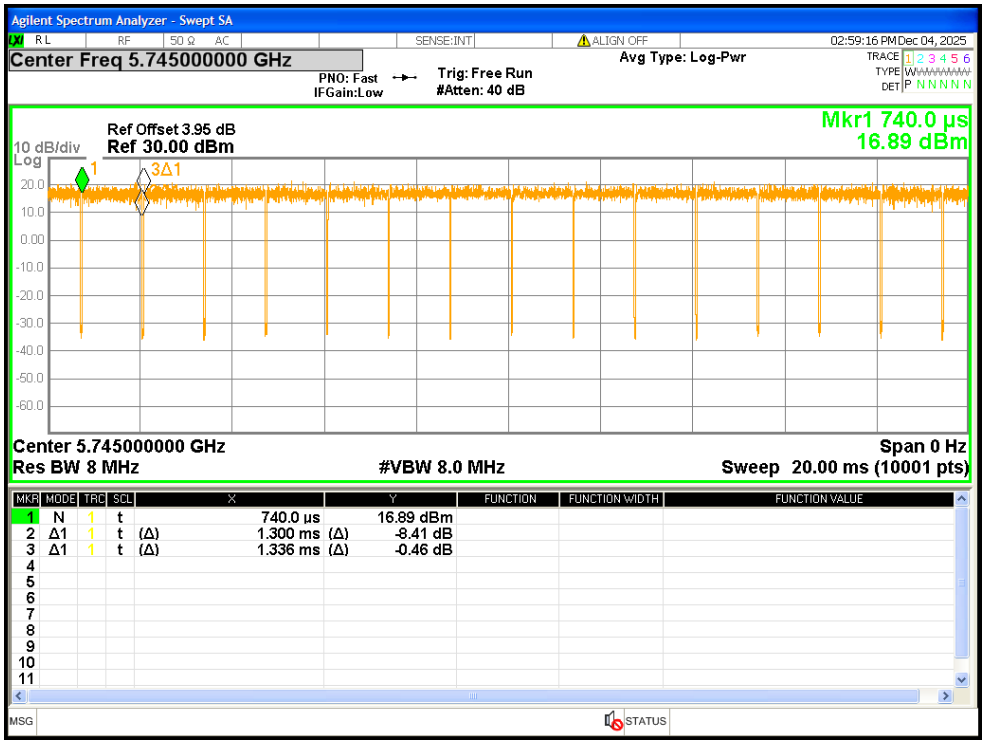

### Duty Cycle NVNT a 5785MHz



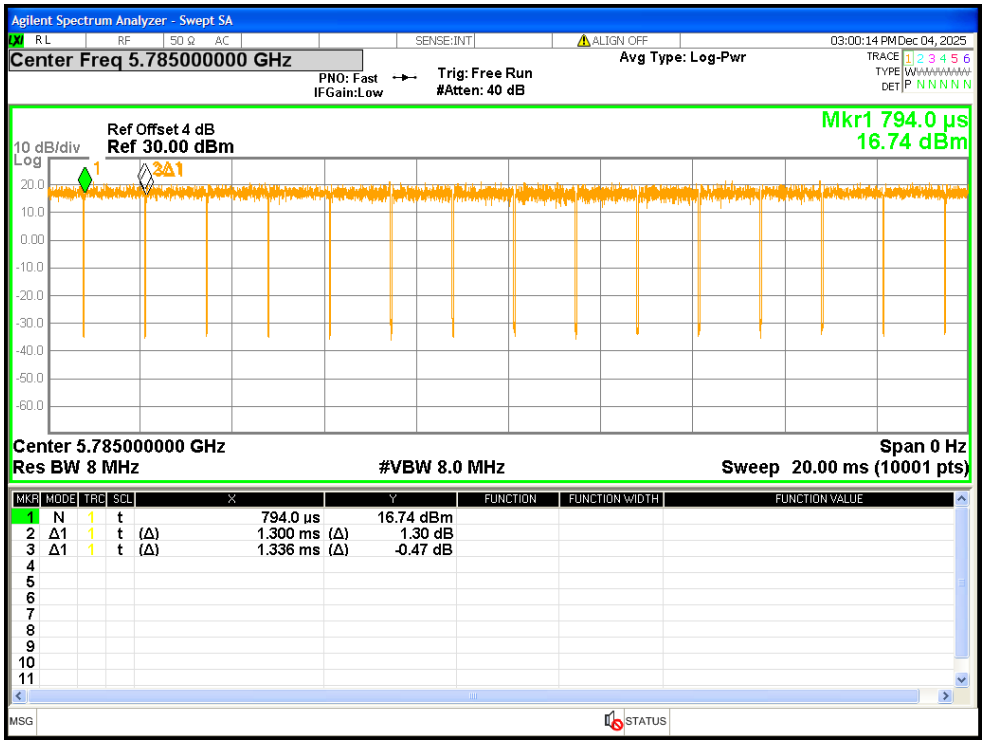
Duty Cycle NVNT a 5825MHz



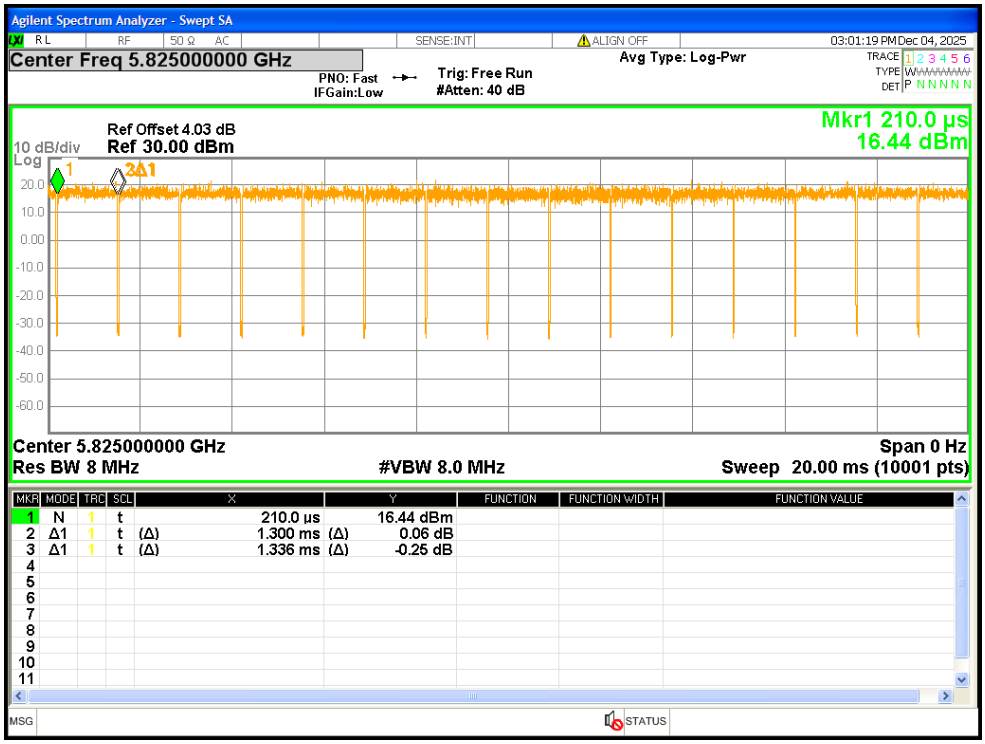

Duty Cycle NVNT n20 5745MHz



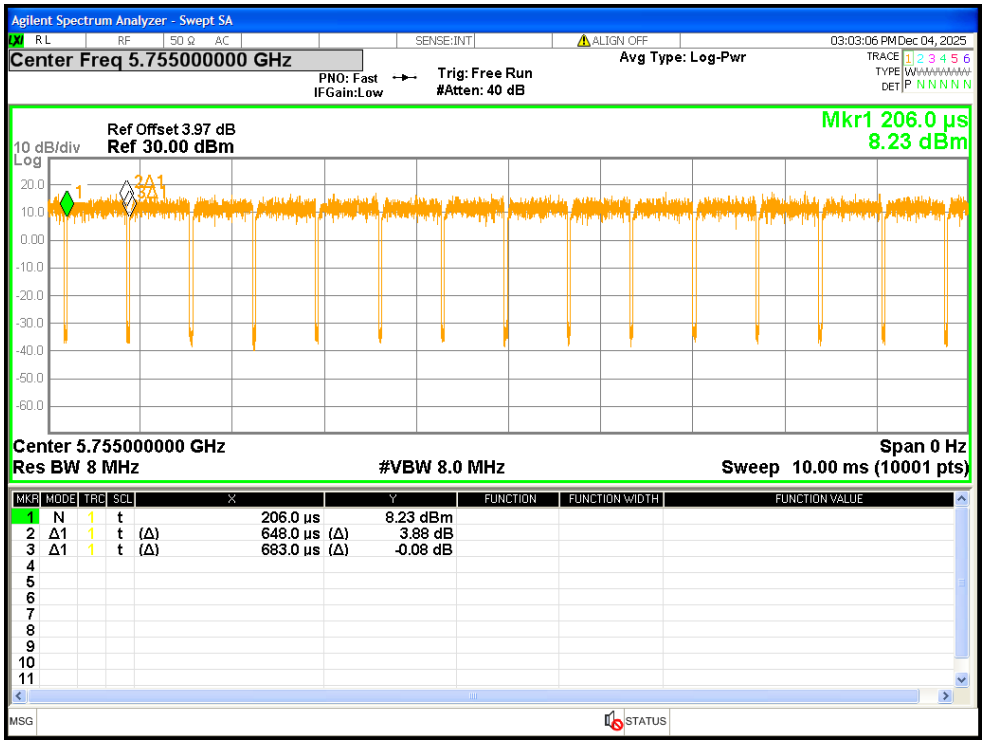
Duty Cycle NVNT n20 5785MHz



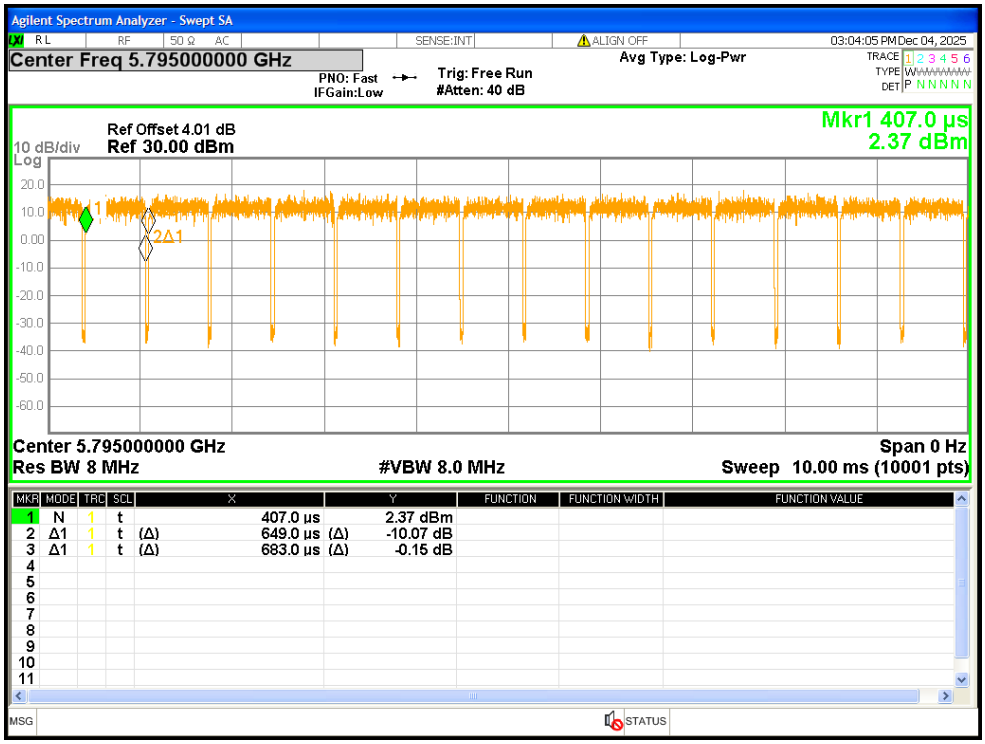

Duty Cycle NVNT n20 5825MHz



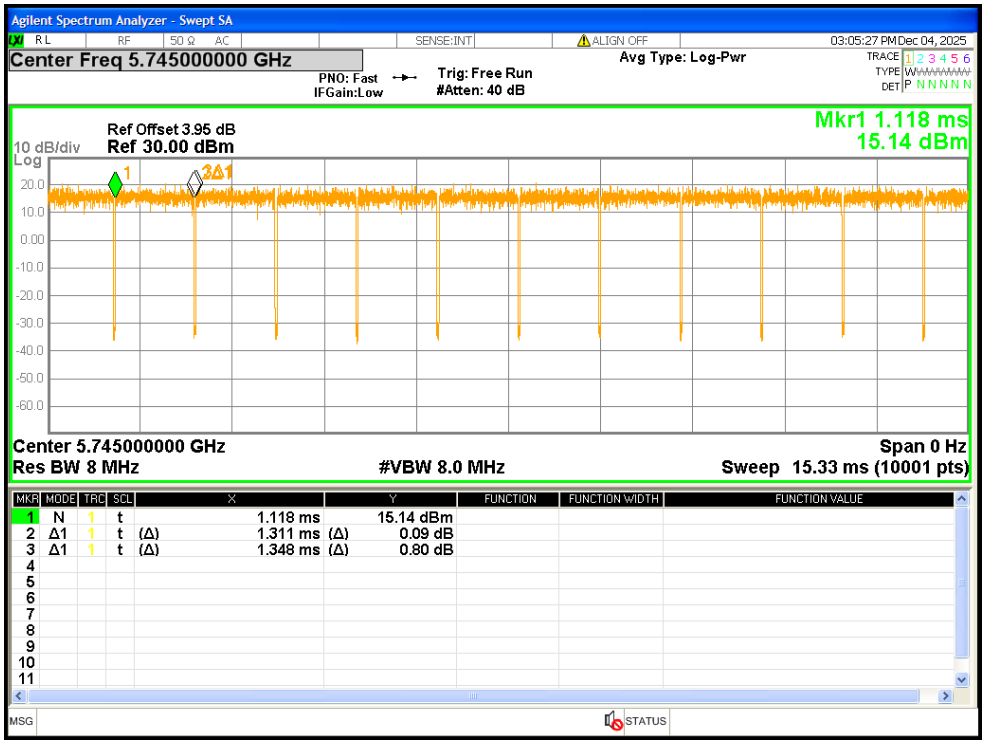
Duty Cycle NVNT n40 5755MHz



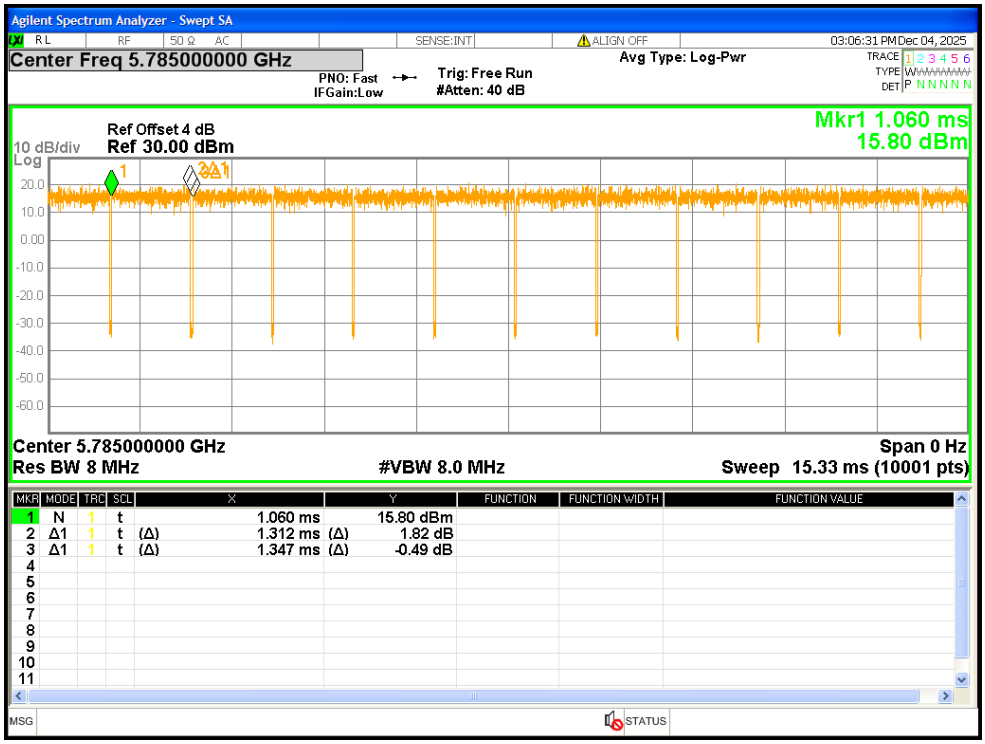

Duty Cycle NVNT n40 5795MHz



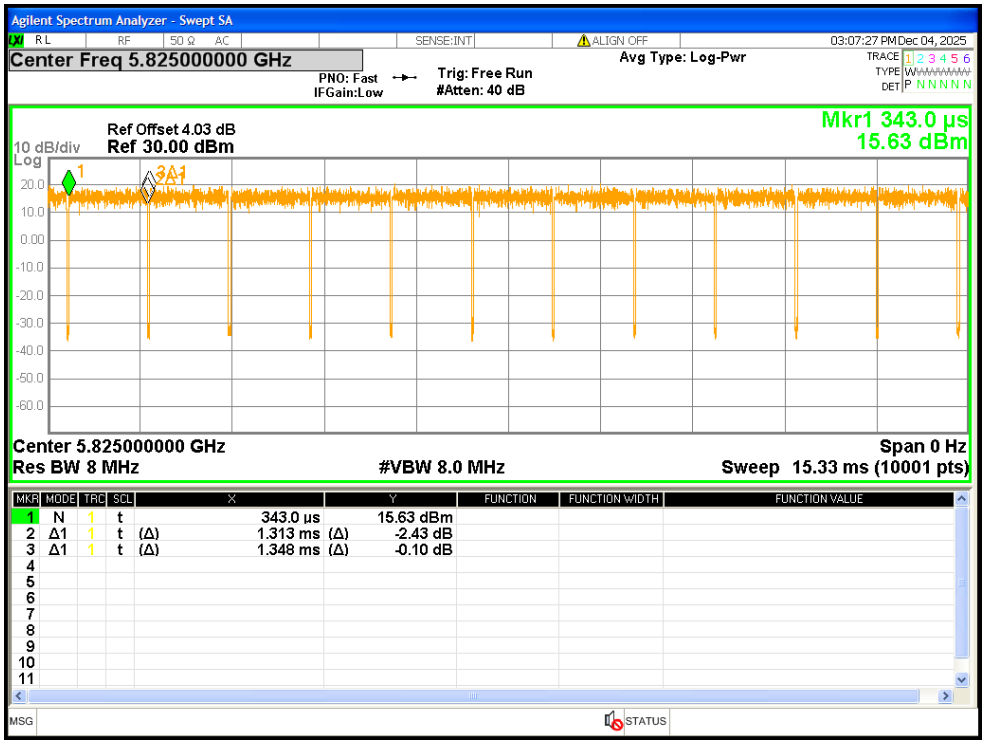
Duty Cycle NVNT ac20 5745MHz



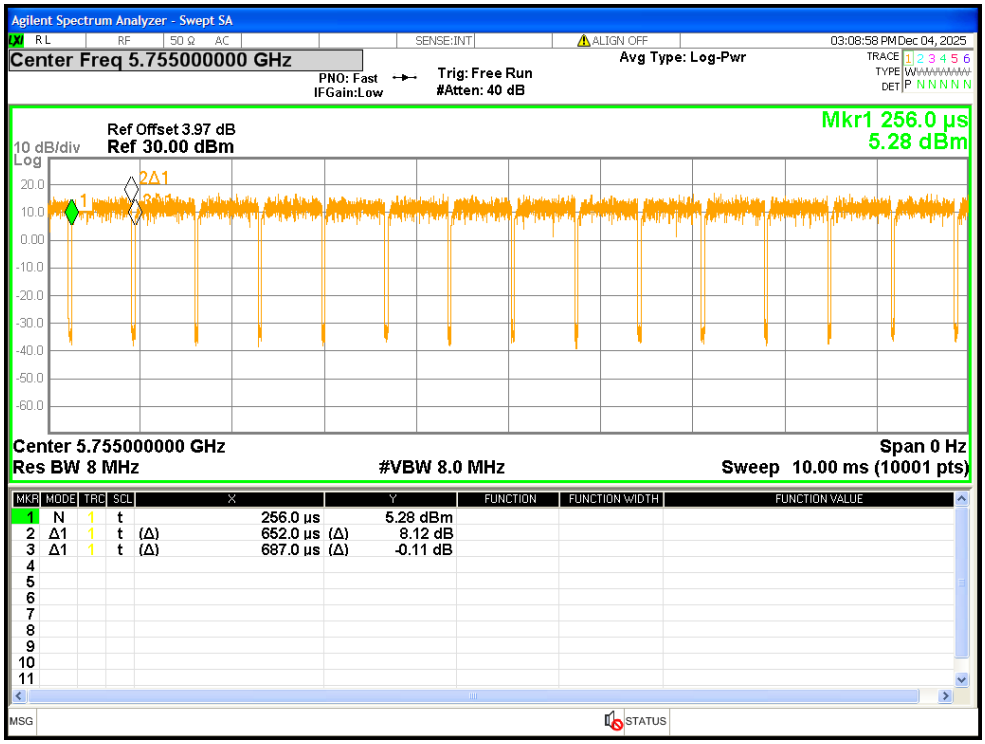

Duty Cycle NVNT ac20 5785MHz



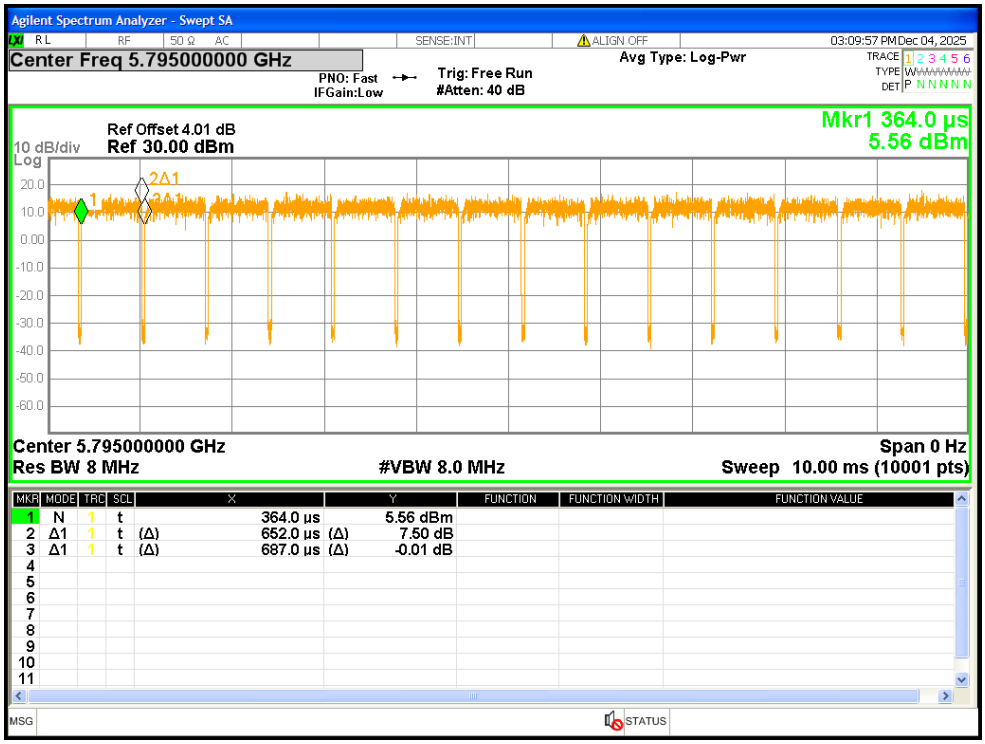
Duty Cycle NVNT ac20 5825MHz



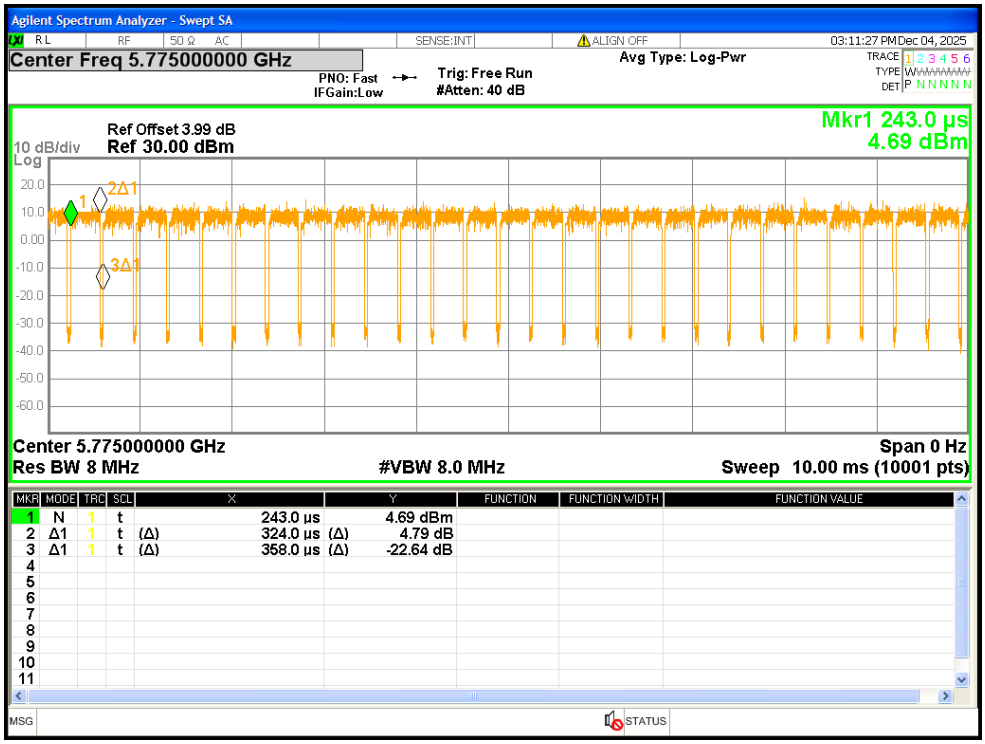

Duty Cycle NVNT ac40 5755MHz



Duty Cycle NVNT ac40 5795MHz



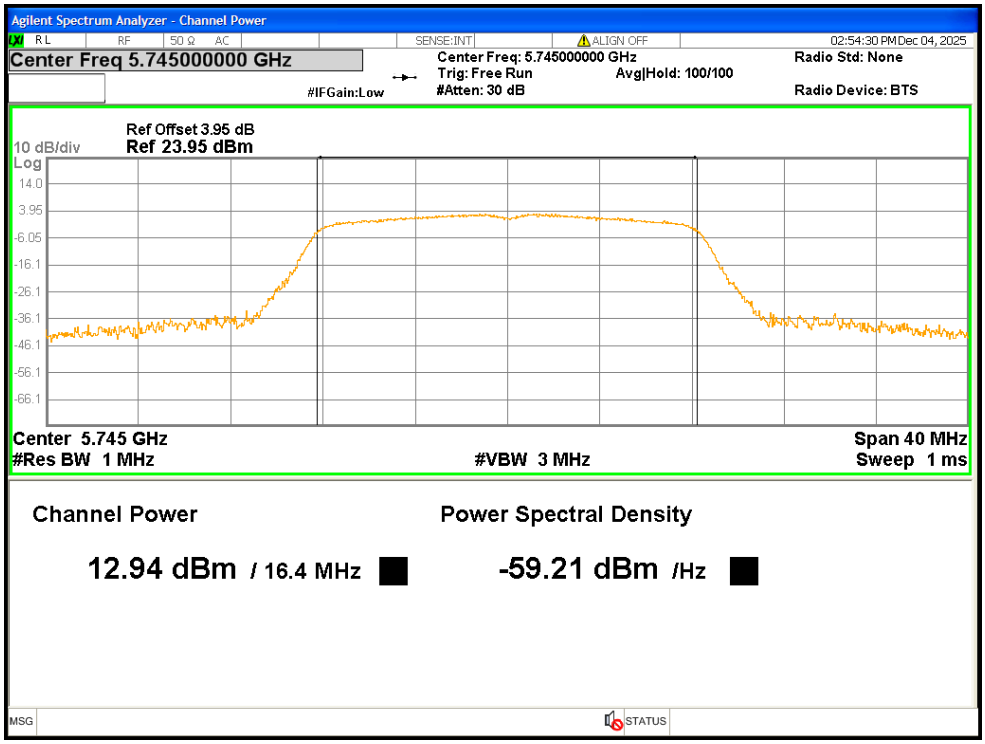

Duty Cycle NVNT ac80 5775MHz



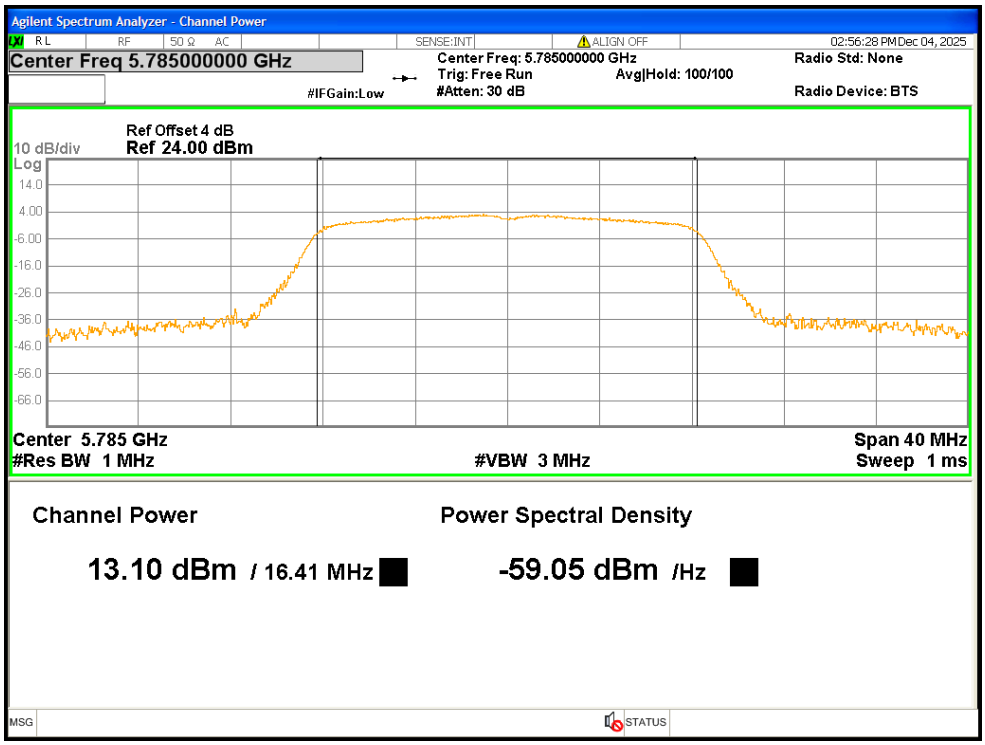
# Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | 12.94 | 0.11 | 13.05 | <=30 | Pass |
| NVNT | a | 5785 | 13.1 | 0.11 | 13.21 | <=30 | Pass |
| NVNT | a | 5825 | 13.05 | 0.11 | 13.16 | <=30 | Pass |
| NVNT | n20 | 5745 | 13.79 | 0.12 | 13.91 | <=30 | Pass |
| NVNT | n20 | 5785 | 13.92 | 0.12 | 14.04 | <=30 | Pass |
| NVNT | n20 | 5825 | 13.82 | 0.12 | 13.94 | <=30 | Pass |
| NVNT | n40 | 5755 | 12.54 | 0.23 | 12.77 | <=30 | Pass |
| NVNT | n40 | 5795 | 12.72 | 0.22 | 12.94 | <=30 | Pass |
| NVNT | ac20 | 5745 | 12.81 | 0.12 | 12.93 | <=30 | Pass |
| NVNT | ac20 | 5785 | 12.92 | 0.11 | 13.03 | <=30 | Pass |
| NVNT | ac20 | 5825 | 12.79 | 0.11 | 12.9 | <=30 | Pass |
| NVNT | ac40 | 5755 | 12.56 | 0.23 | 12.79 | <=30 | Pass |
| NVNT | ac40 | 5795 | 12.74 | 0.23 | 12.97 | <=30 | Pass |
| NVNT | ac80 | 5775 | 12.68 | 0.43 | 13.11 | <=30 | Pass |

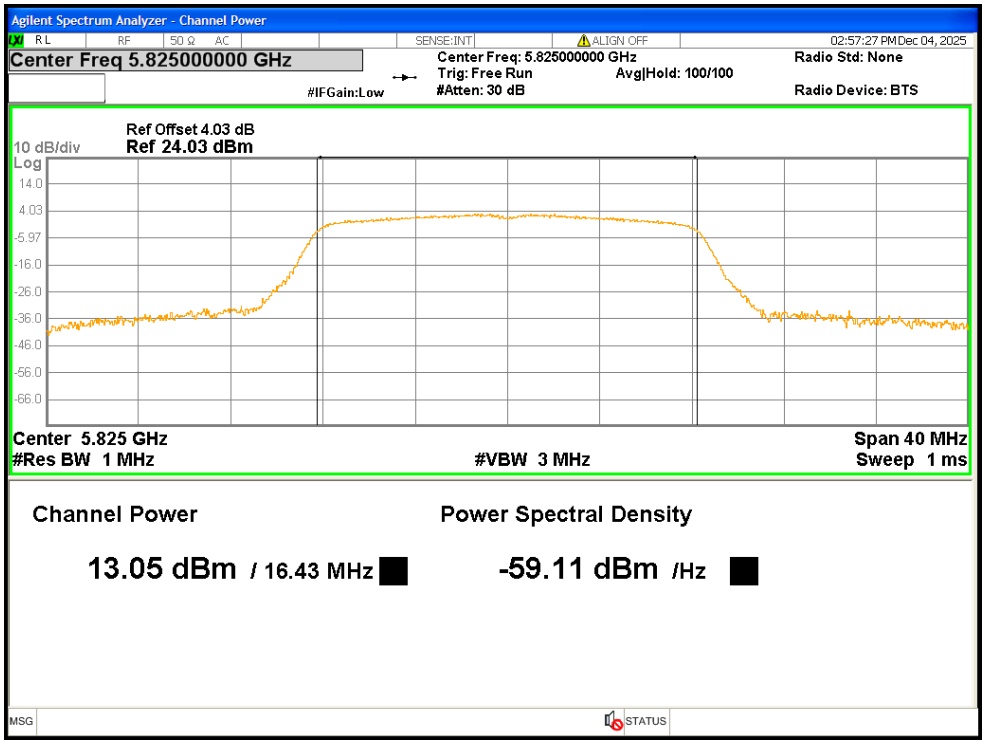
| Test Graphs |
| --- |
| Power NVNT a 5745MHz |



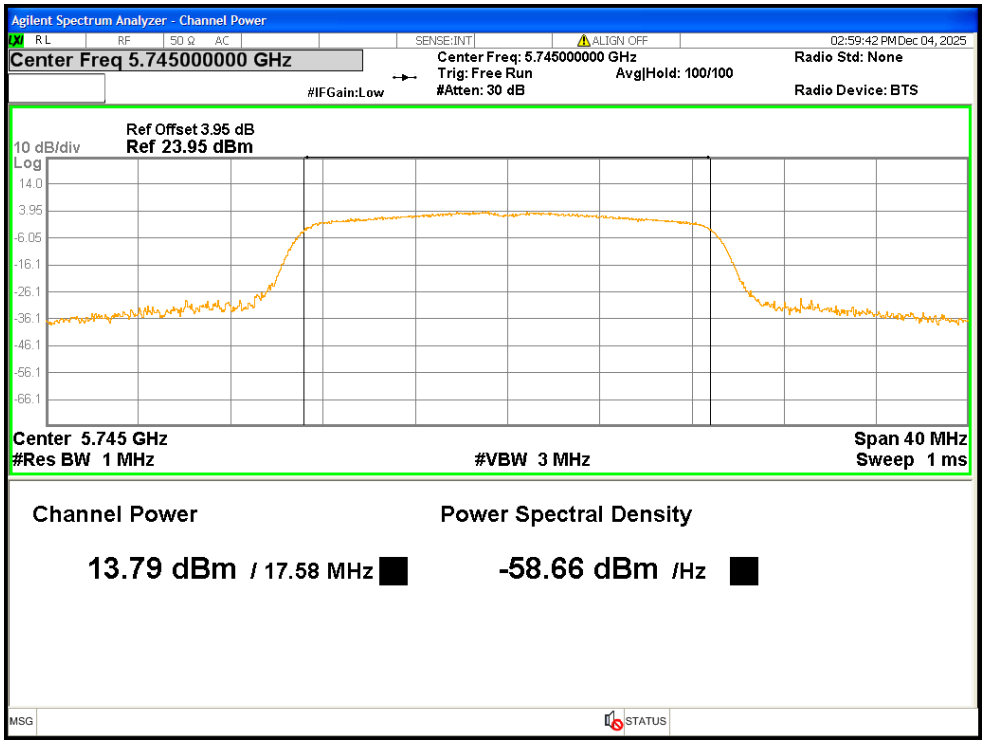

| Power NVNT a 5785MHz |
| --- |



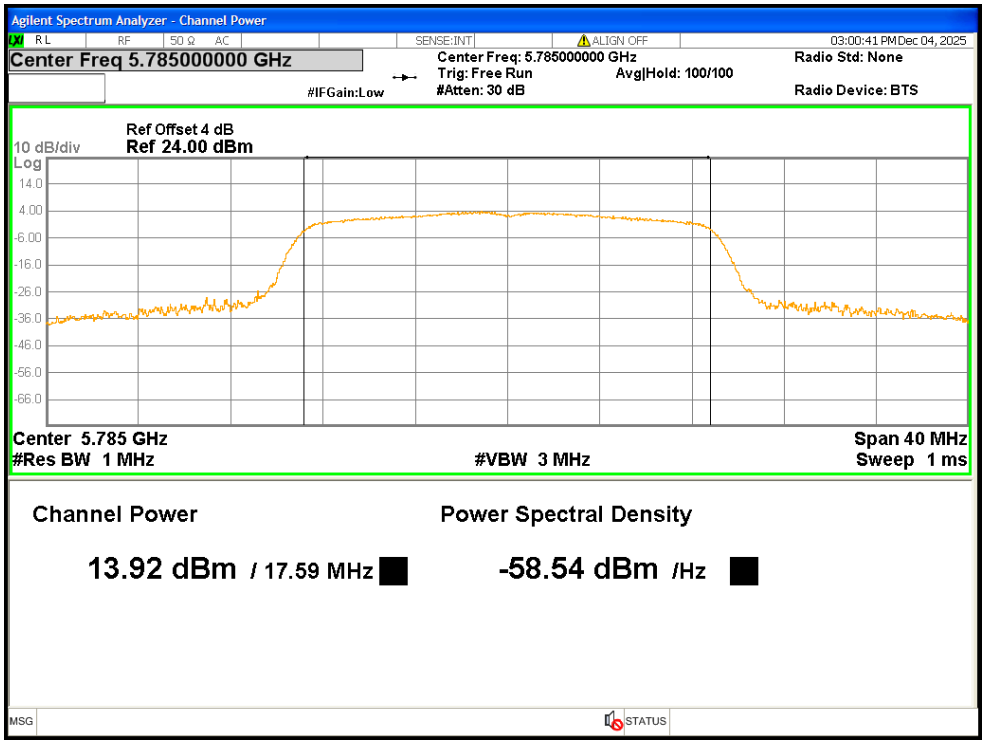
Power NVNT a 5825MHz



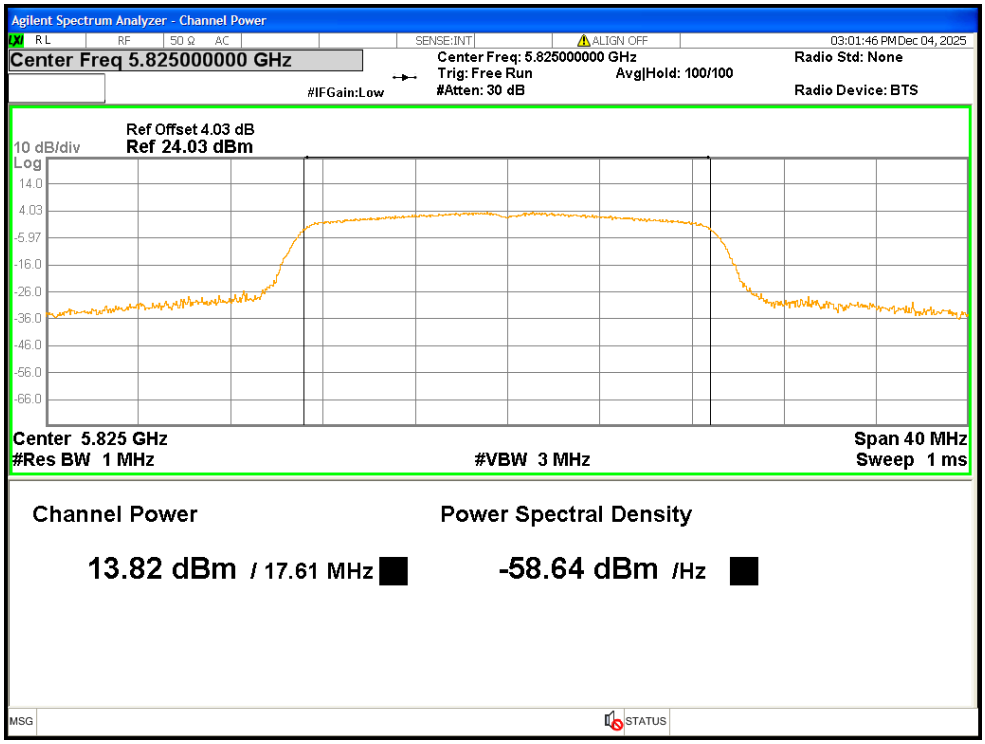

Power NVNT n20 5745MHz



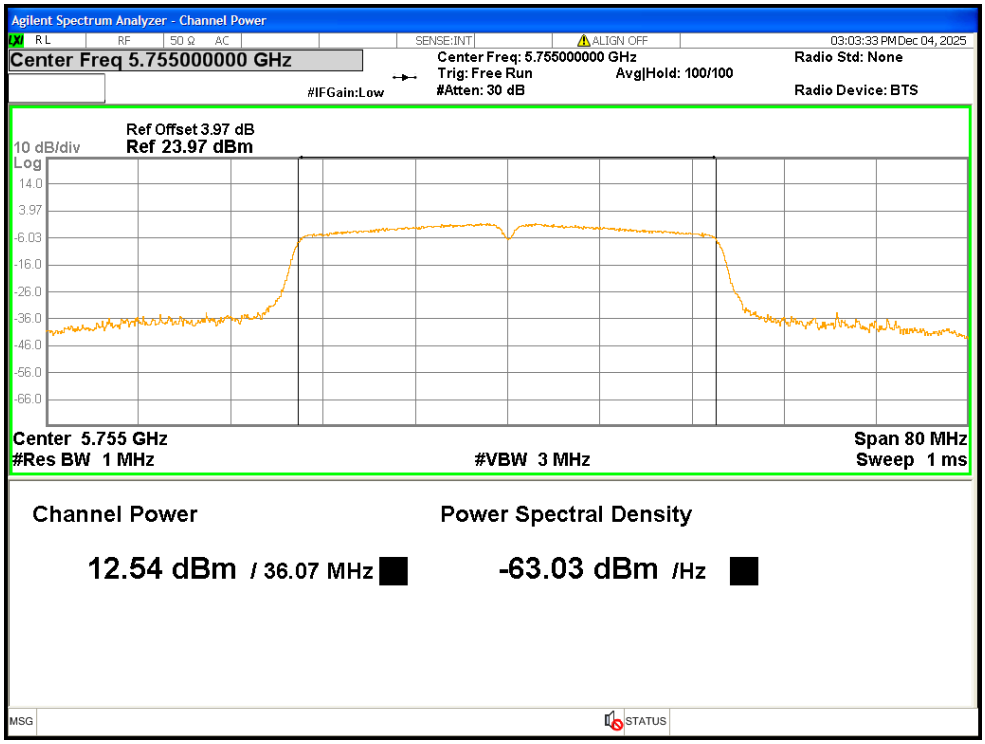
Power NVNT n20 5785MHz



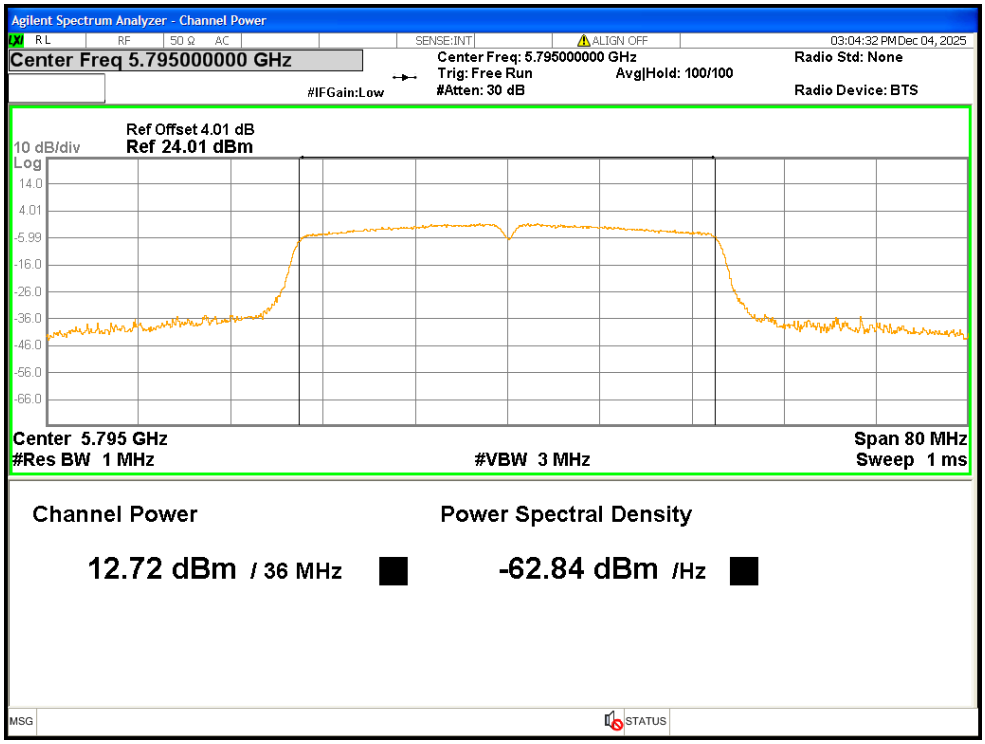

Power NVNT n20 5825MHz



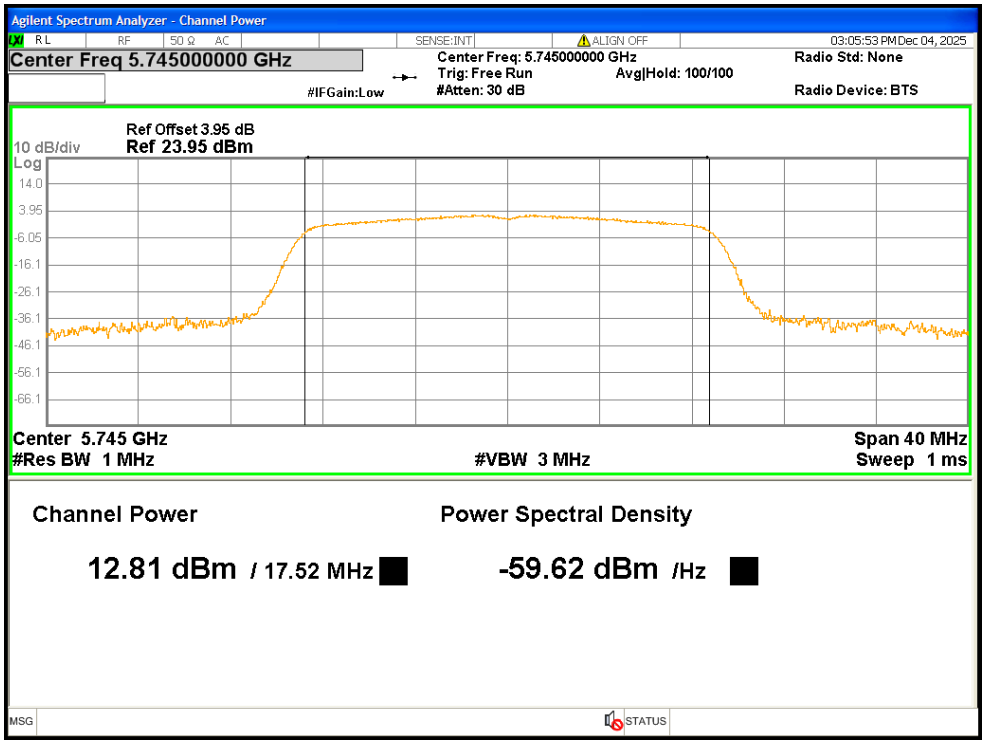
Power NVNT n40 5755MHz



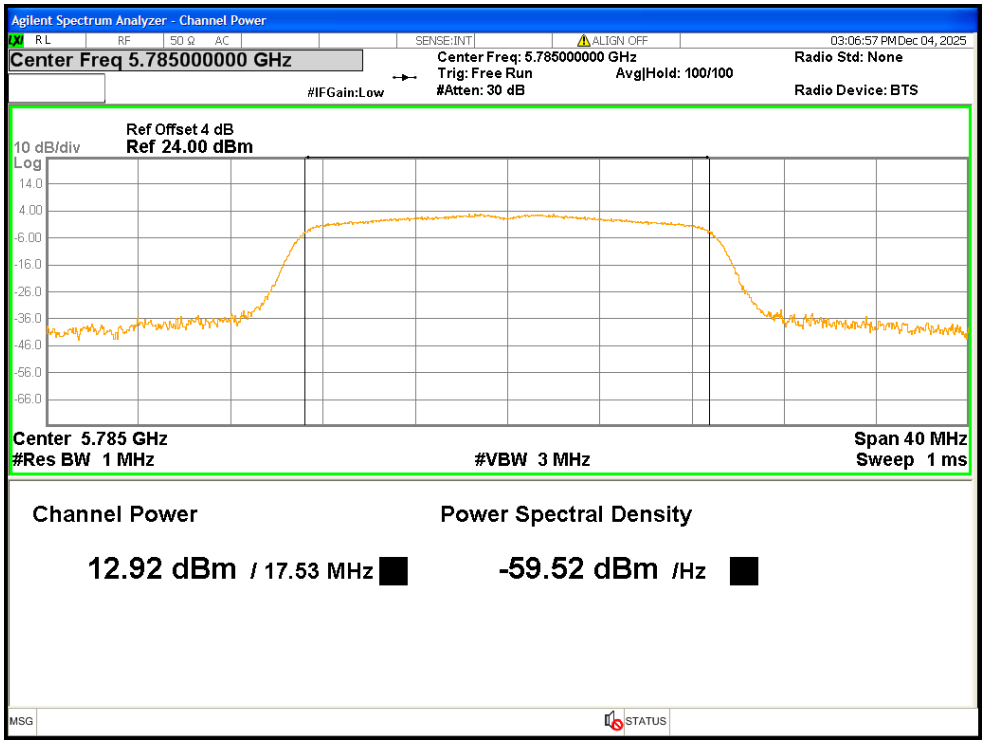

Power NVNT n40 5795MHz



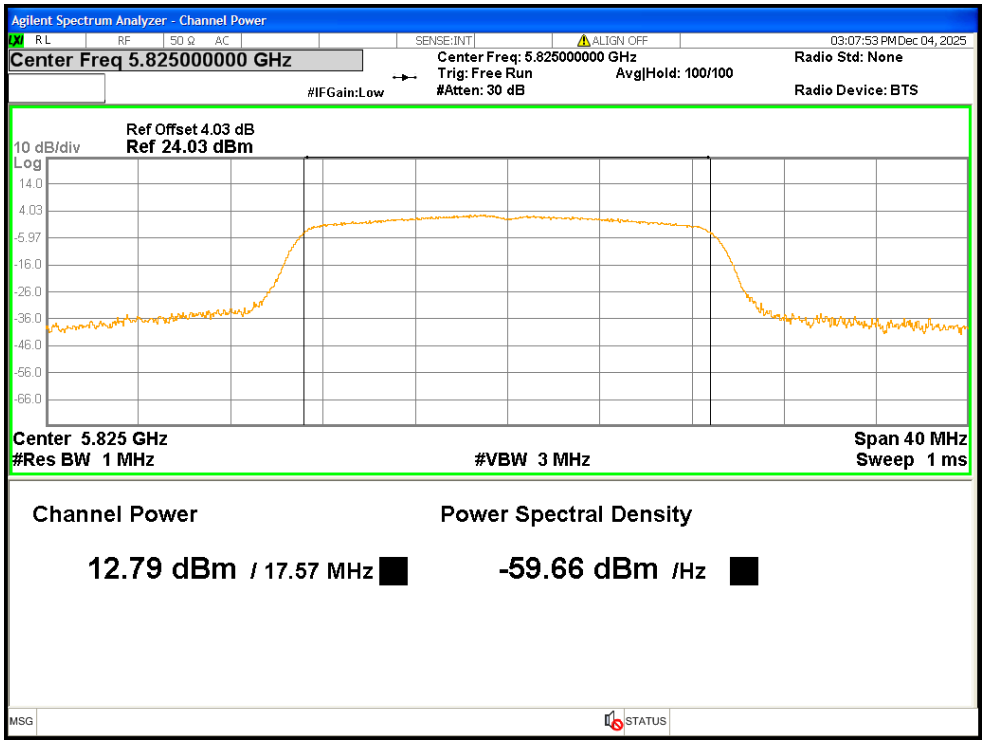
Power NVNT ac20 5745MHz



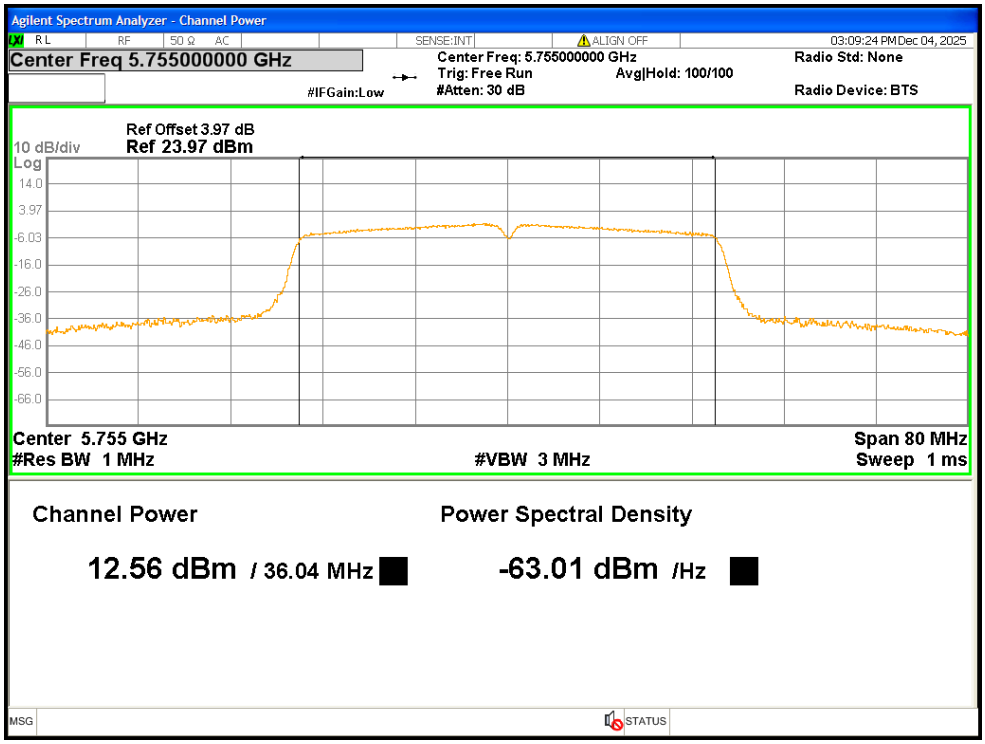

Power NVNT ac20 5785MHz



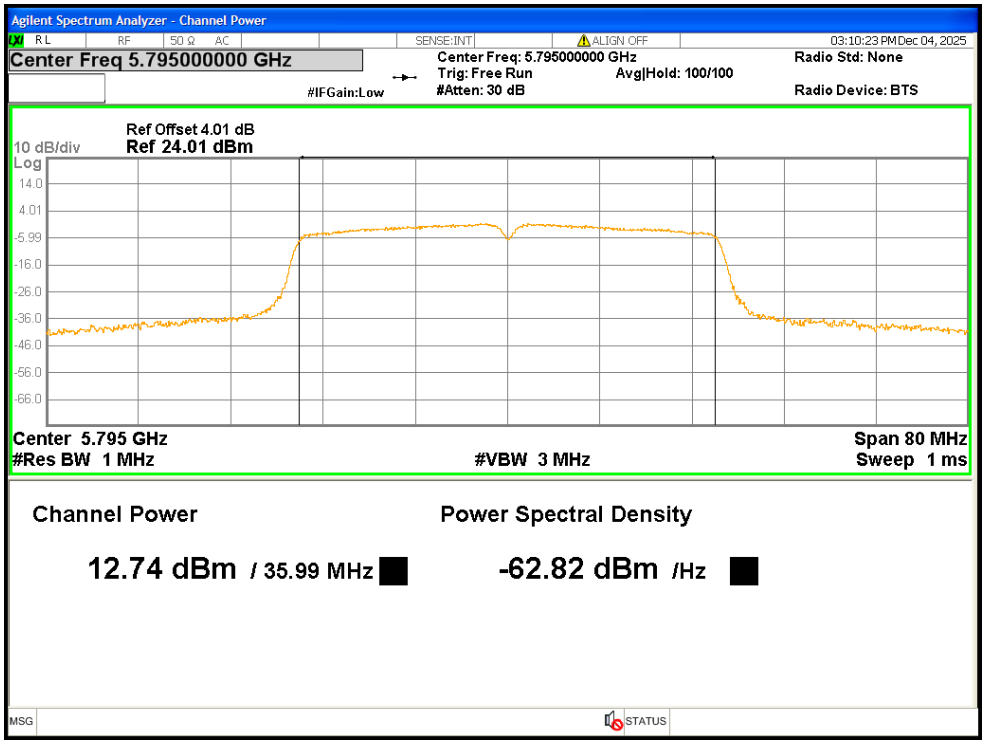
Power NVNT ac20 5825MHz



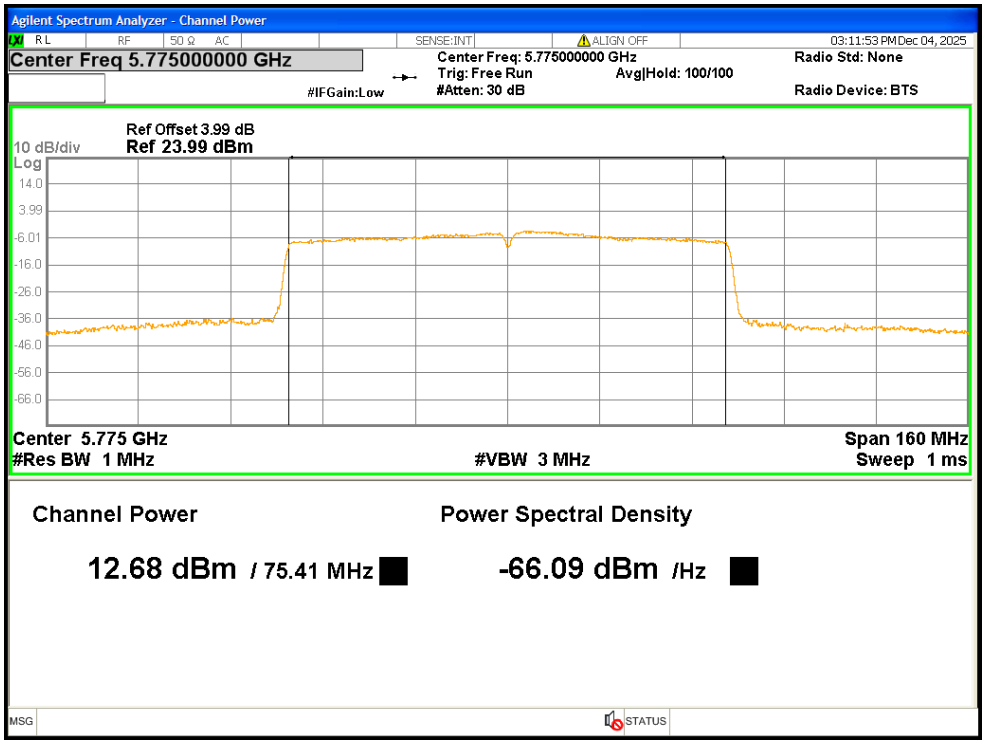

Power NVNT ac40 5755MHz



Power NVNT ac40 5795MHz




Power NVNT ac80 5775MHz

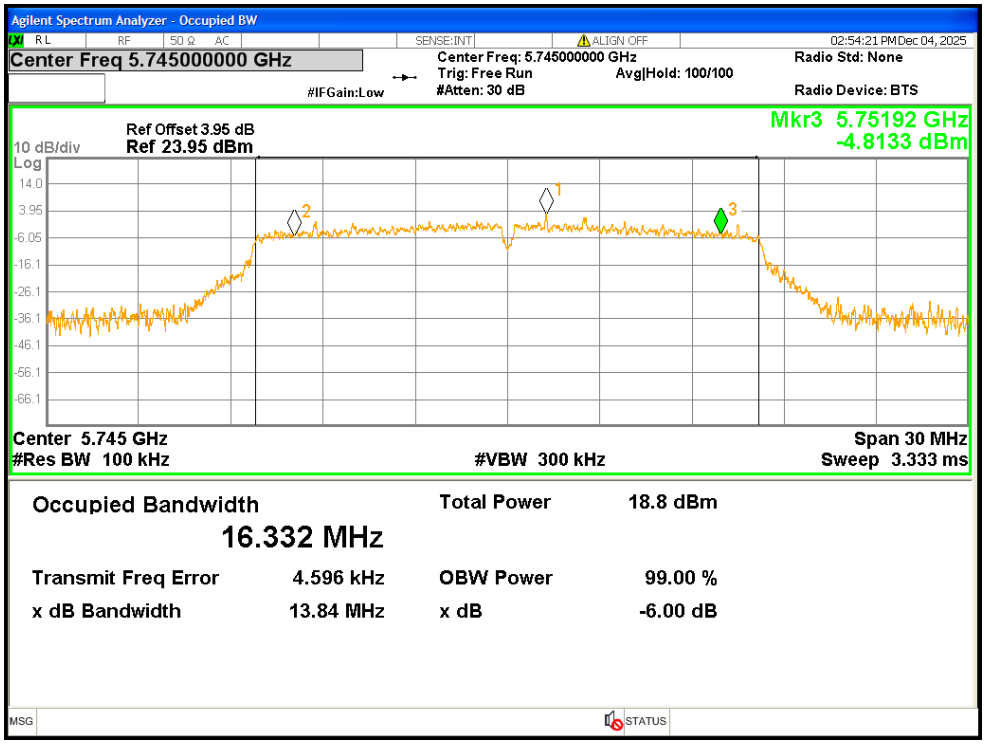


# -6dB Bandwidth

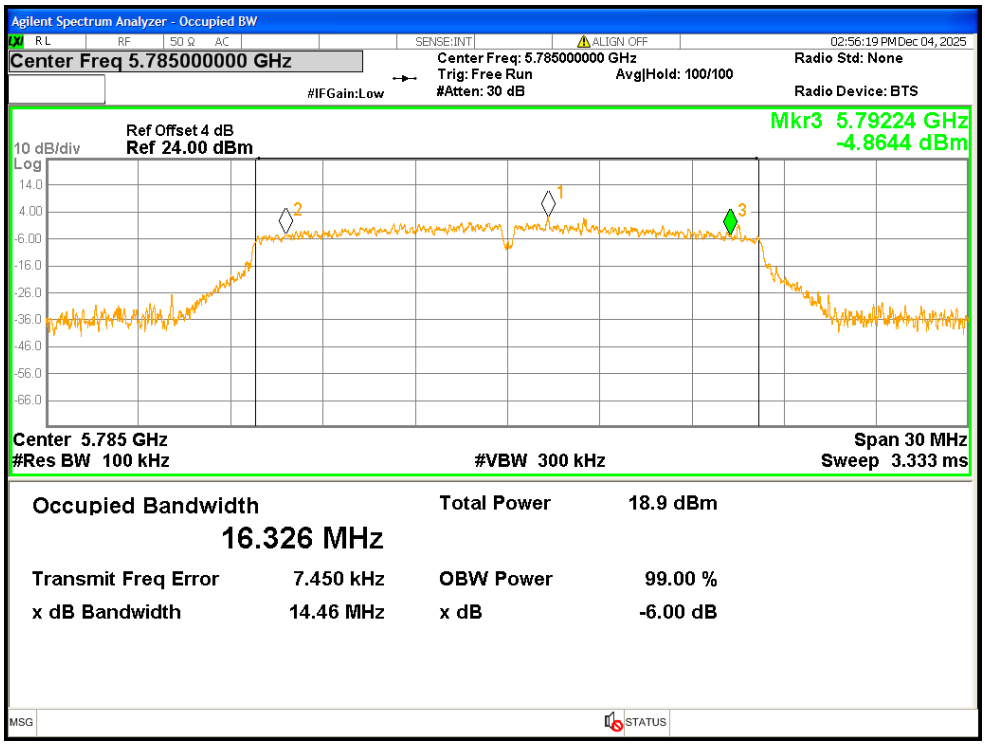
| Condition | Mode | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|
| NVNT | a | 5745 | 13.84 | >=0.5 | Pass |
| NVNT | a | 5785 | 14.46 | >=0.5 | Pass |
| NVNT | a | 5825 | 14.81 | >=0.5 | Pass |
| NVNT | n20 | 5745 | 15.52 | >=0.5 | Pass |
| NVNT | n20 | 5785 | 14.98 | >=0.5 | Pass |
| NVNT | n20 | 5825 | 15.42 | >=0.5 | Pass |
| NVNT | n40 | 5755 | 35.08 | >=0.5 | Pass |
| NVNT | n40 | 5795 | 35 | >=0.5 | Pass |
| NVNT | ac20 | 5745 | 16.25 | >=0.5 | Pass |
| NVNT | ac20 | 5785 | 14.01 | >=0.5 | Pass |
| NVNT | ac20 | 5825 | 16.9 | >=0.5 | Pass |
| NVNT | ac40 | 5755 | 33.89 | >=0.5 | Pass |
| NVNT | ac40 | 5795 | 35.07 | >=0.5 | Pass |
| NVNT | ac80 | 5775 | 75.08 | >=0.5 | Pass |

Test Graphs

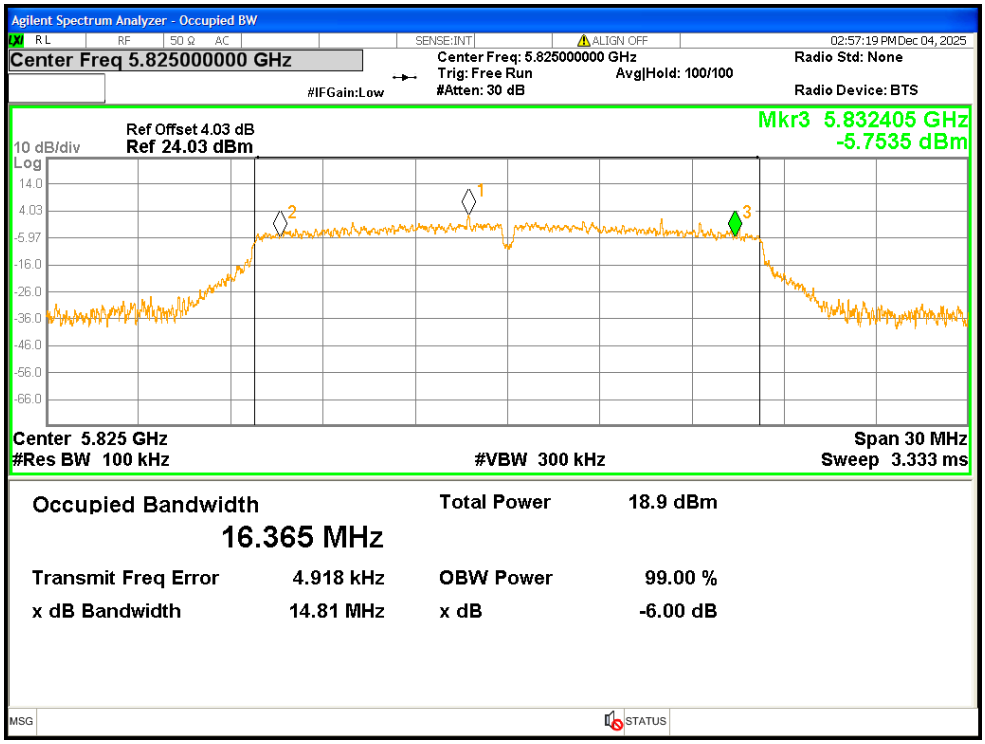
-6dB Bandwidth NVNT a 5745MHz



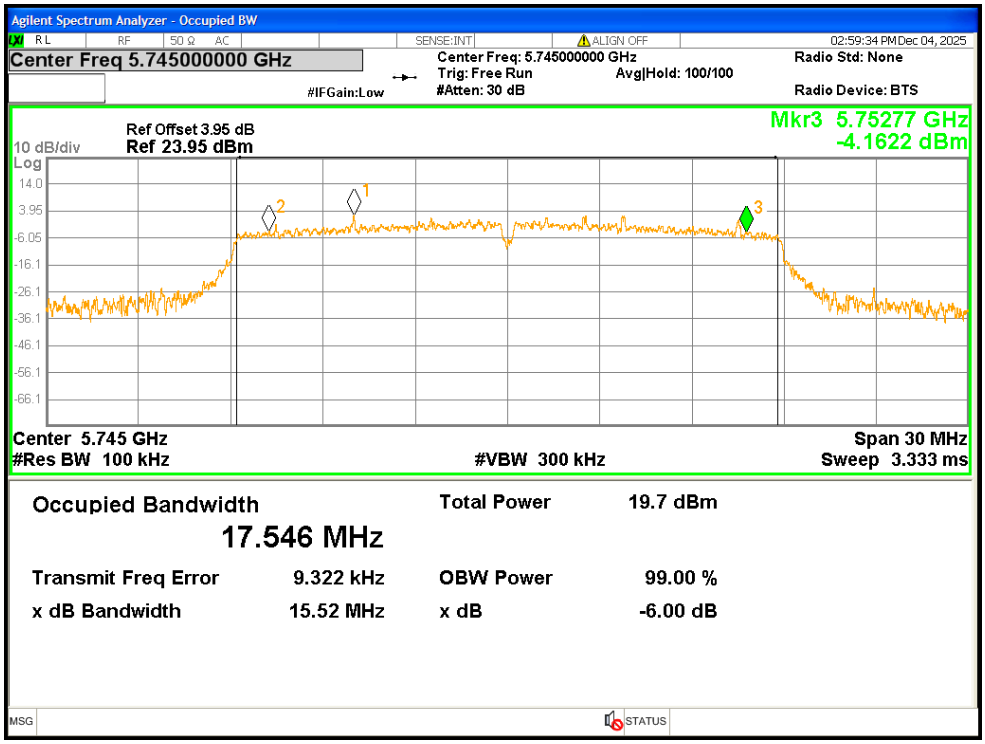

-6dB Bandwidth NVNT a 5785MHz



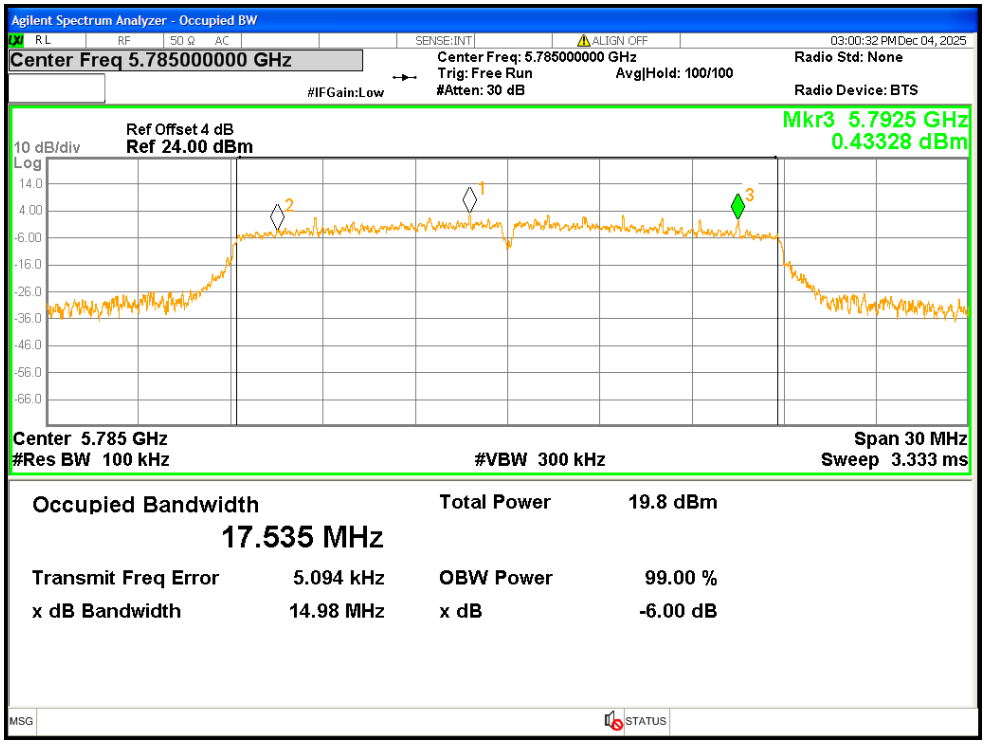
-6dB Bandwidth NVNT a 5825MHz



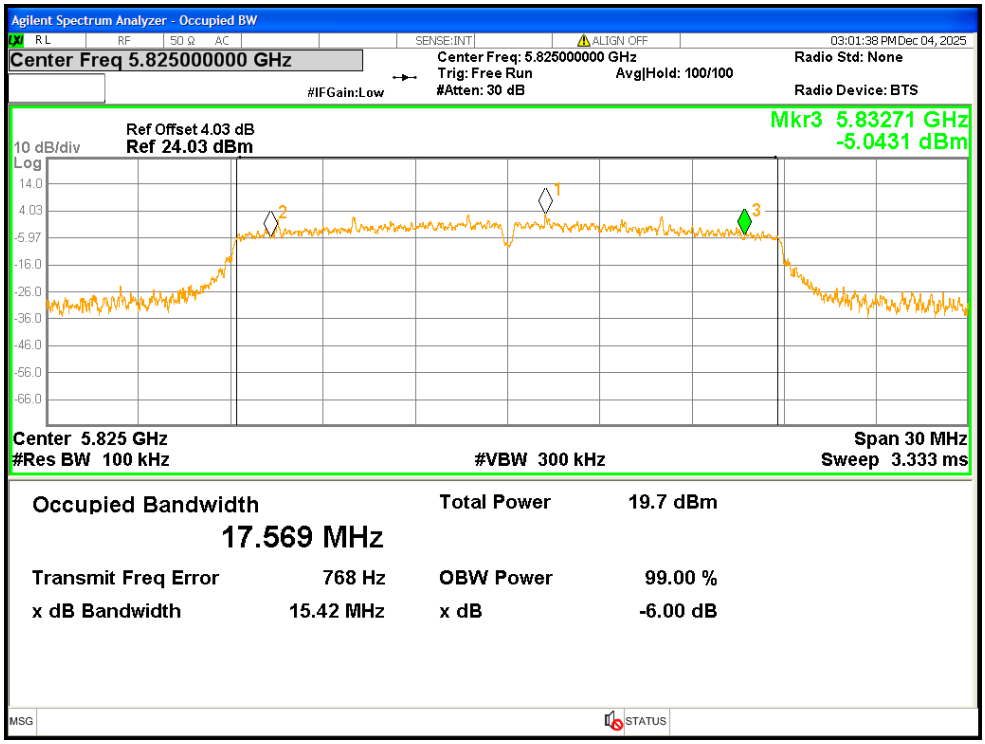

-6dB Bandwidth NVNT n20 5745MHz



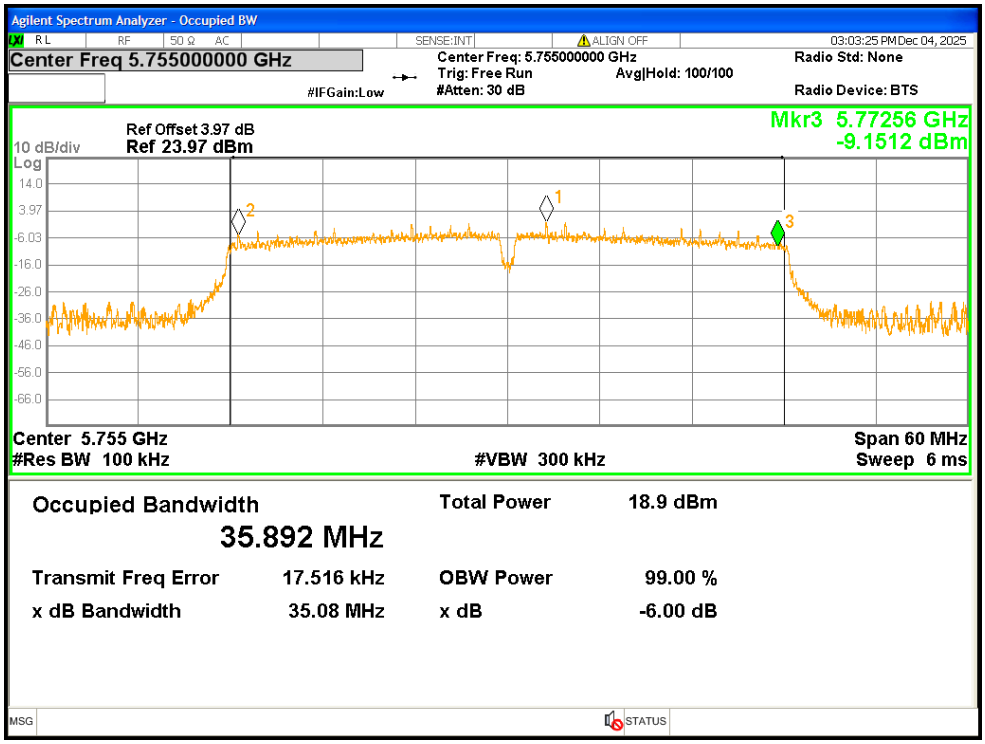
-6dB Bandwidth NVNT n20 5785MHz



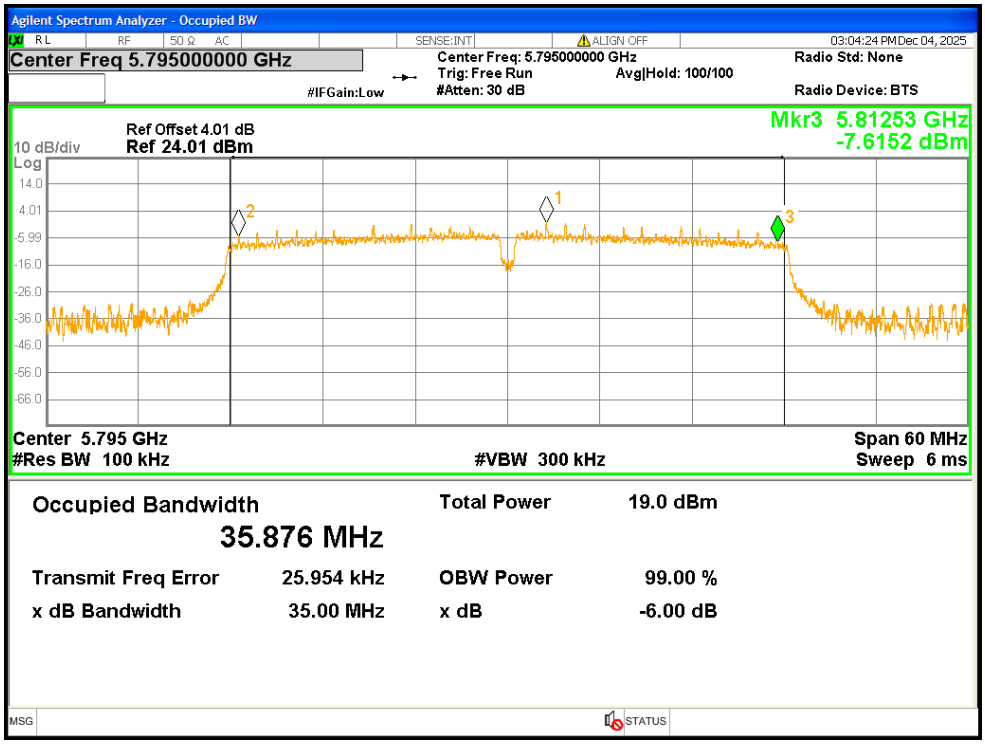

-6dB Bandwidth NVNT n20 5825MHz



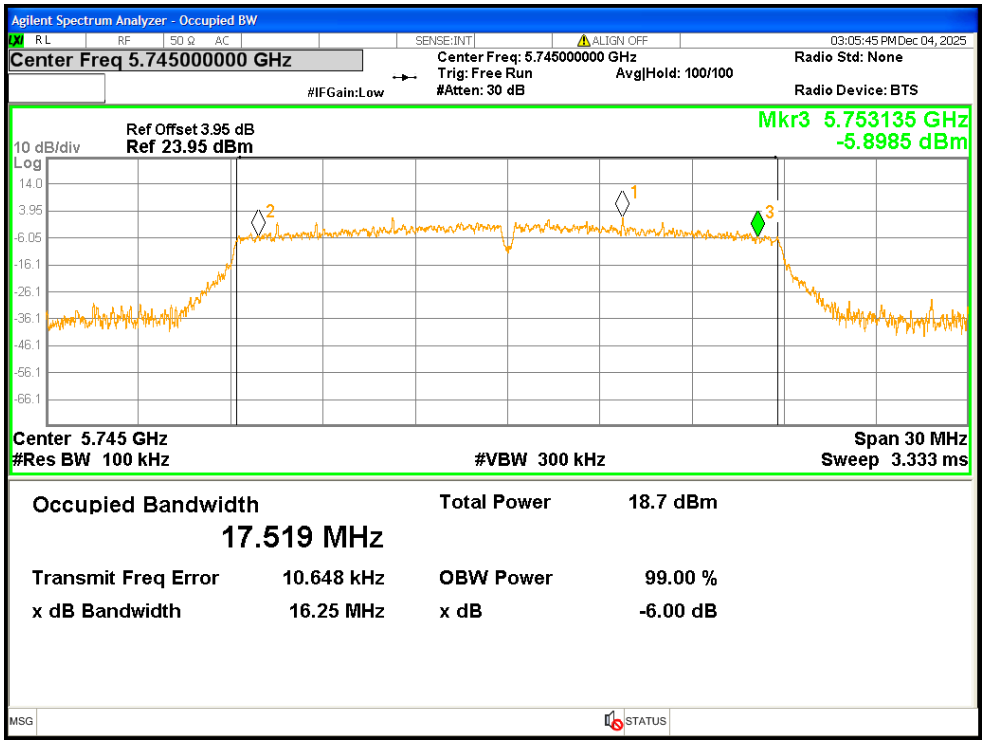
-6dB Bandwidth NVNT n40 5755MHz



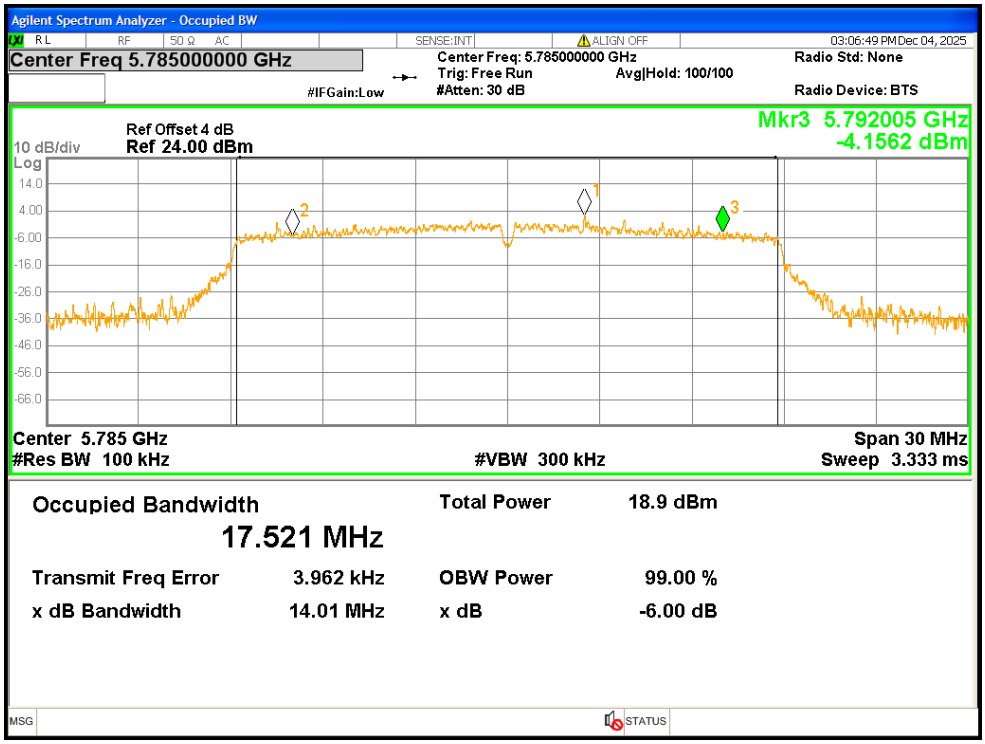

-6dB Bandwidth NVNT n40 5795MHz



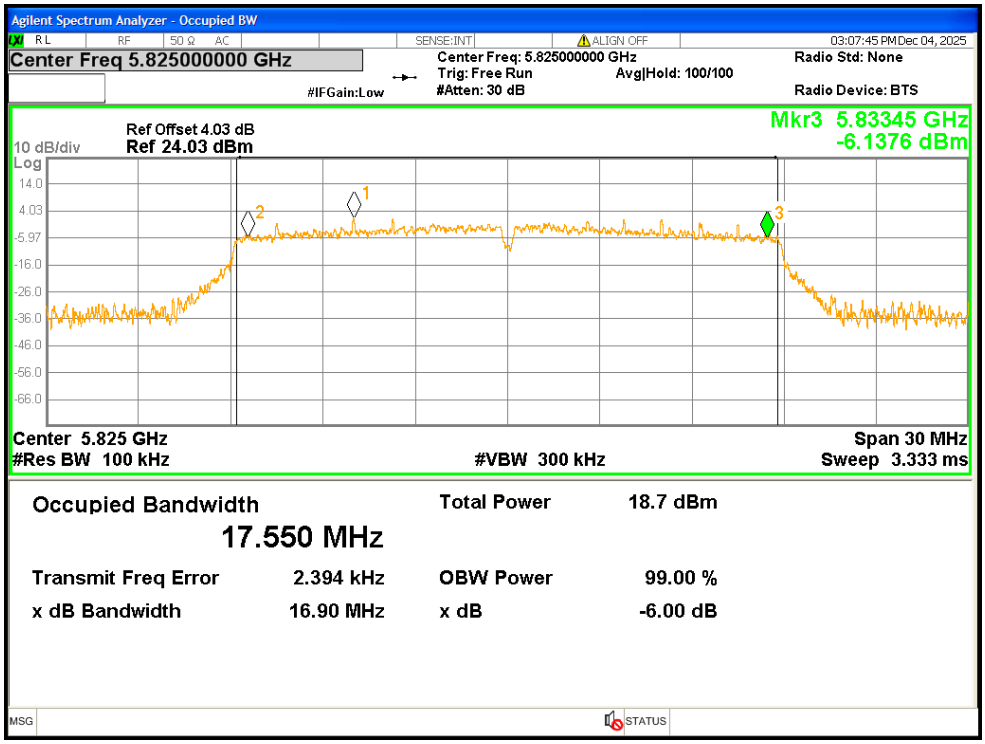
-6dB Bandwidth NVNT ac20 5745MHz



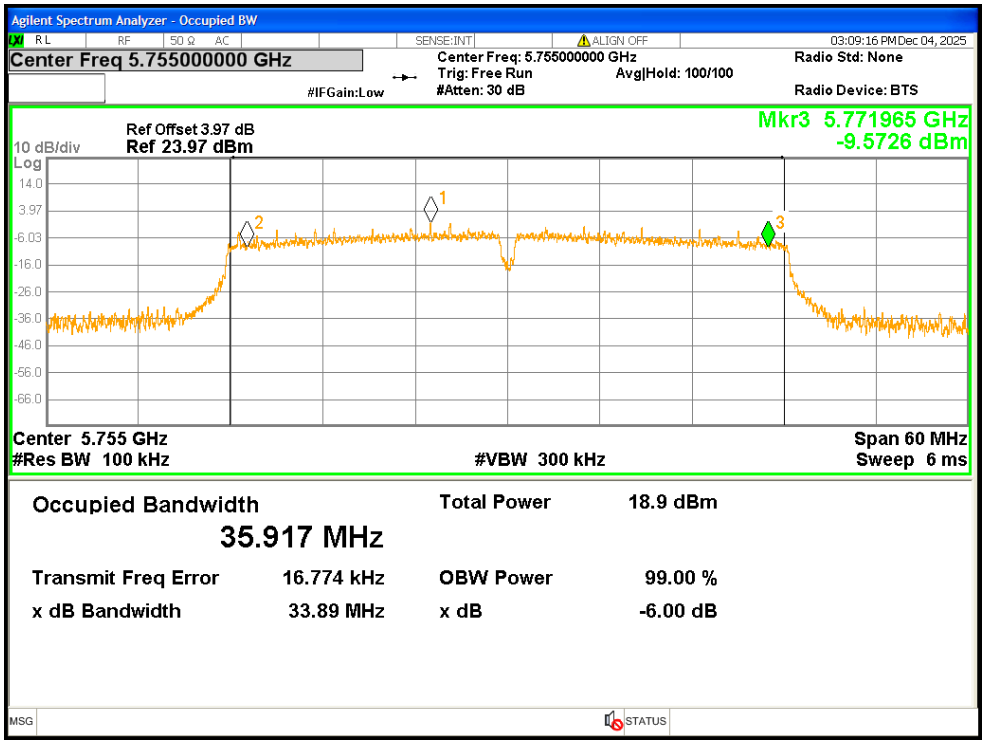

-6dB Bandwidth NVNT ac20 5785MHz



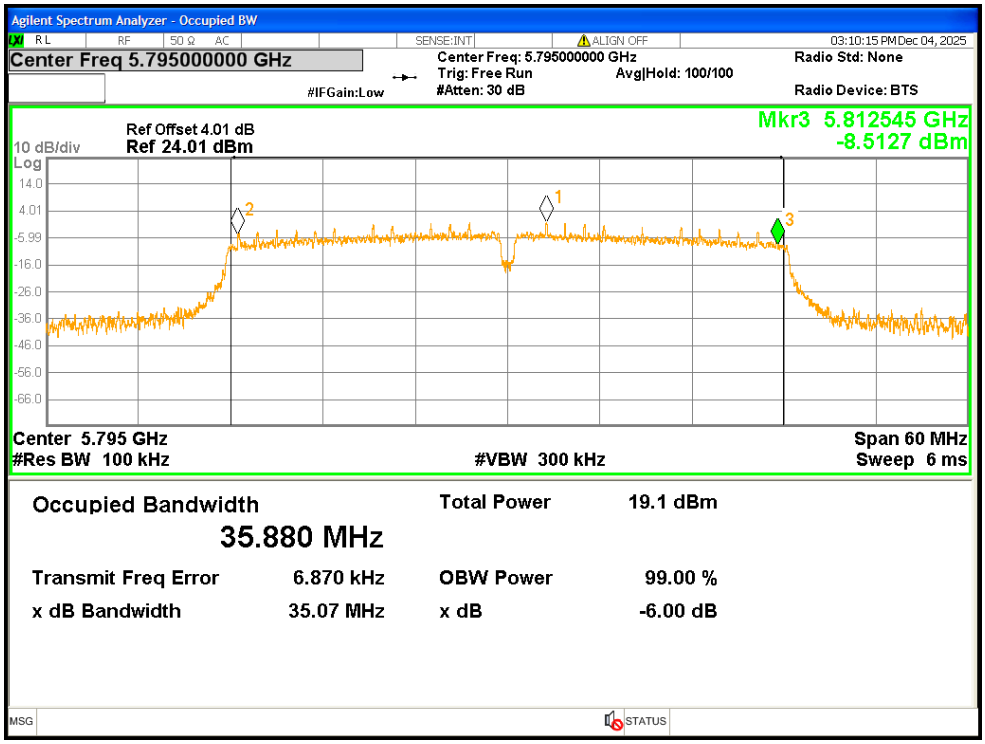
-6dB Bandwidth NVNT ac20 5825MHz



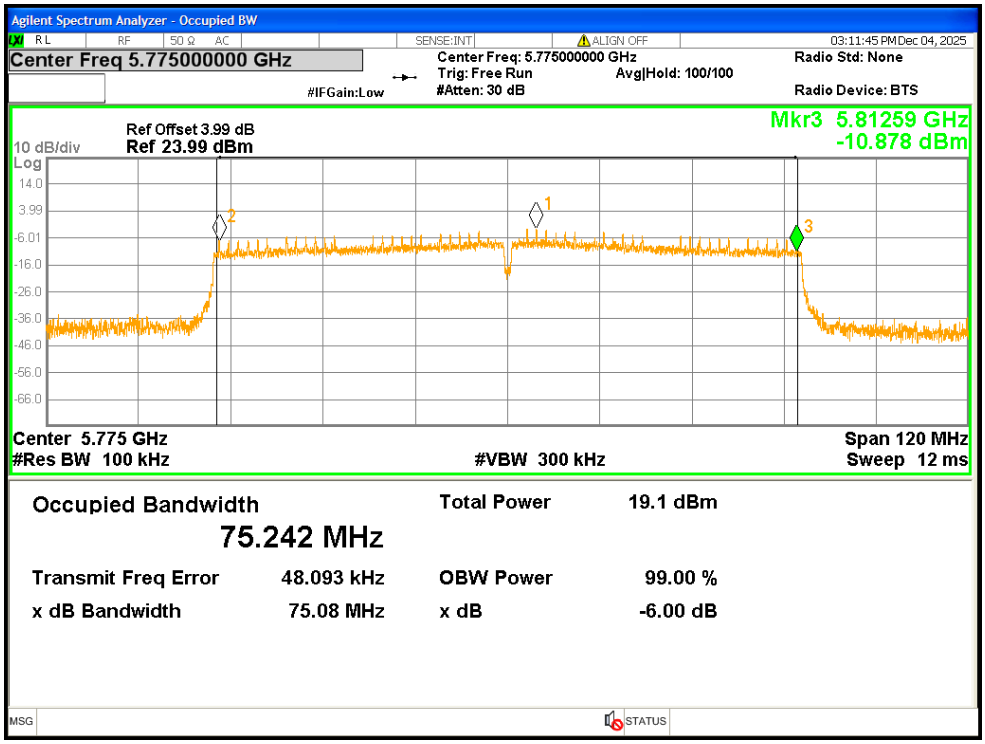

-6dB Bandwidth NVNT ac40 5755MHz



-6dB Bandwidth NVNT ac40 5795MHz




-6dB Bandwidth NVNT ac80 5775MHz

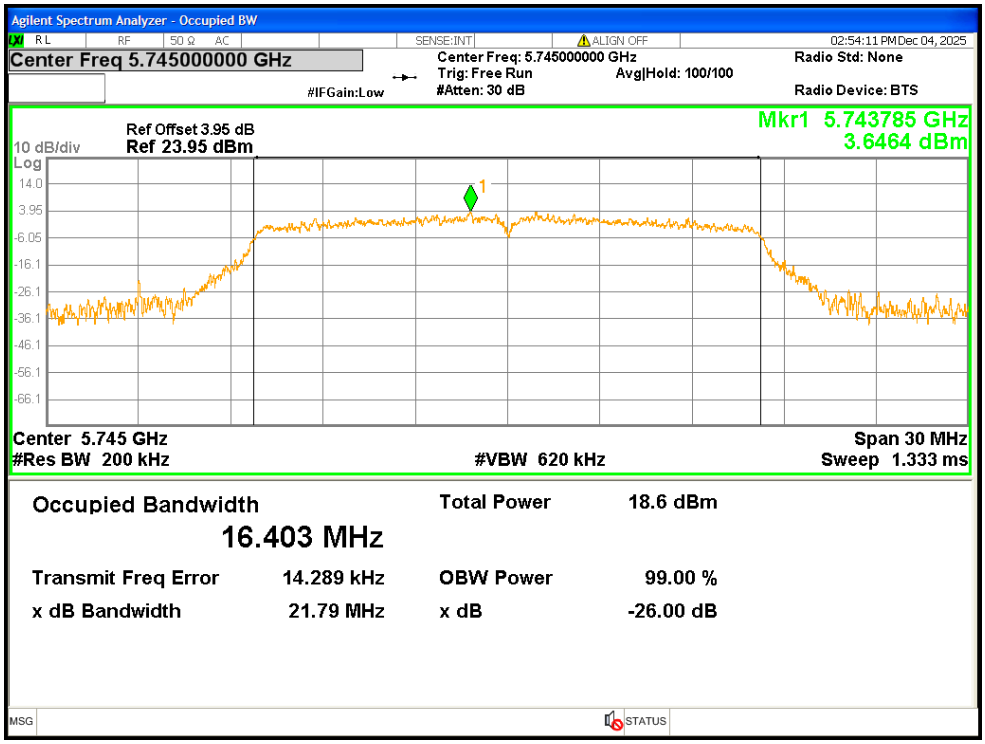


# Occupied Channel Bandwidth

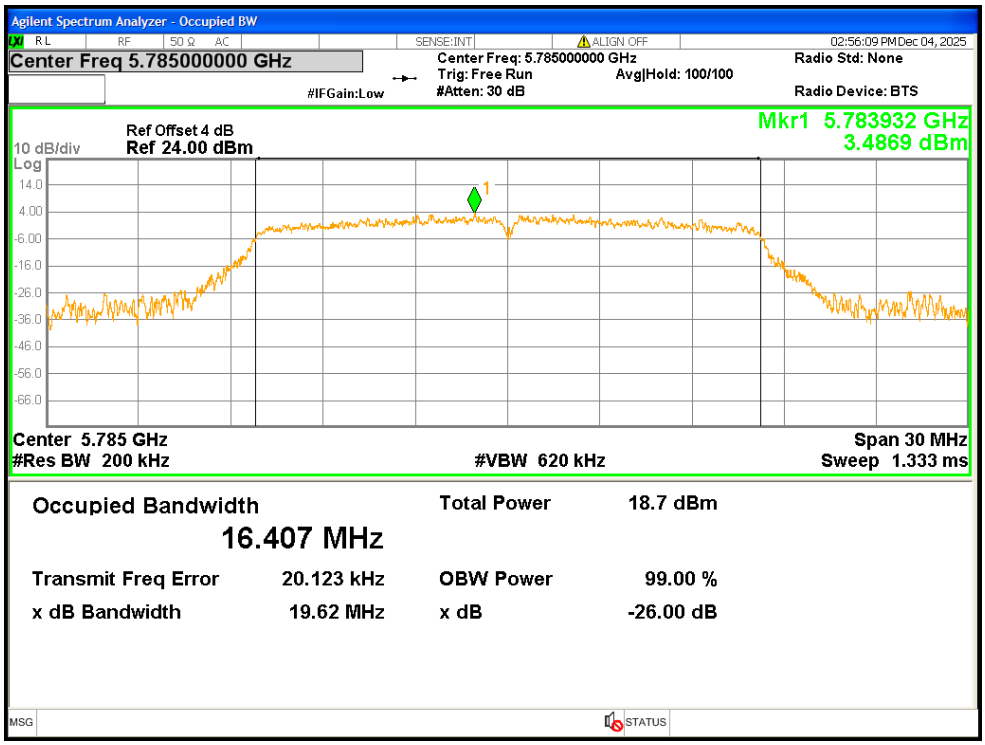
| Condition | Mode | Frequency (MHz) | 99% OBW (MHz) |
|---|---|---|---|
| NVNT | a | 5745 | 16.403 |
| NVNT | a | 5785 | 16.407 |
| NVNT | a | 5825 | 16.432 |
| NVNT | n20 | 5745 | 17.58 |
| NVNT | n20 | 5785 | 17.586 |
| NVNT | n20 | 5825 | 17.614 |
| NVNT | n40 | 5755 | 36.072 |
| NVNT | n40 | 5795 | 35.999 |
| NVNT | ac20 | 5745 | 17.521 |
| NVNT | ac20 | 5785 | 17.525 |
| NVNT | ac20 | 5825 | 17.567 |
| NVNT | ac40 | 5755 | 36.041 |
| NVNT | ac40 | 5795 | 35.989 |
| NVNT | ac80 | 5775 | 75.408 |

Test Graphs

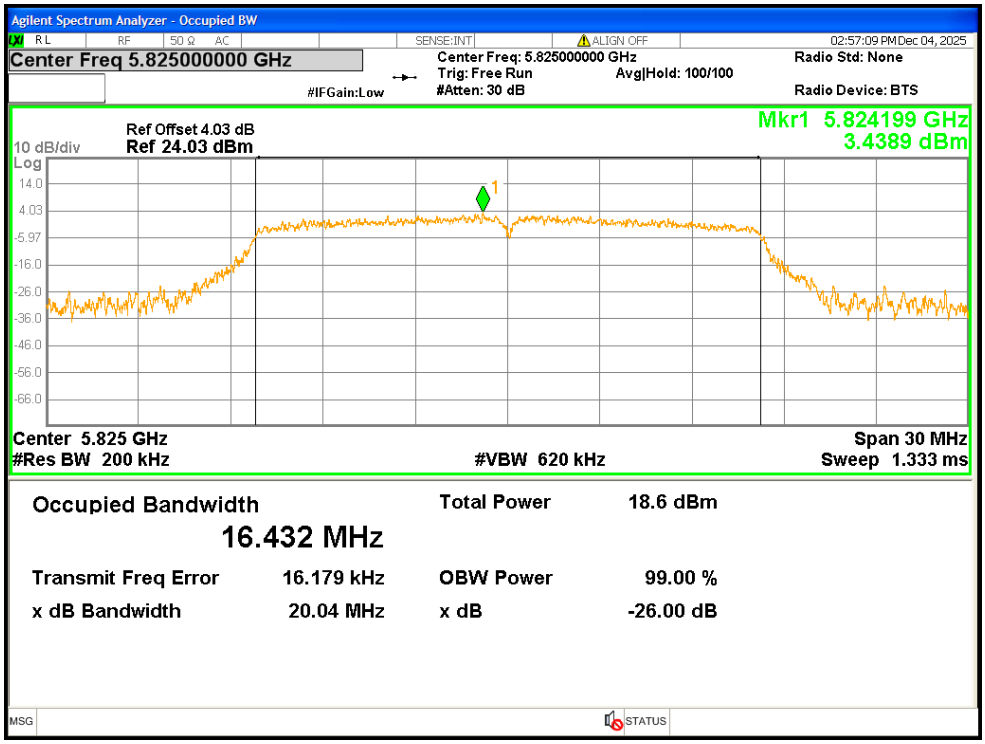
OBW NVNT a 5745MHz



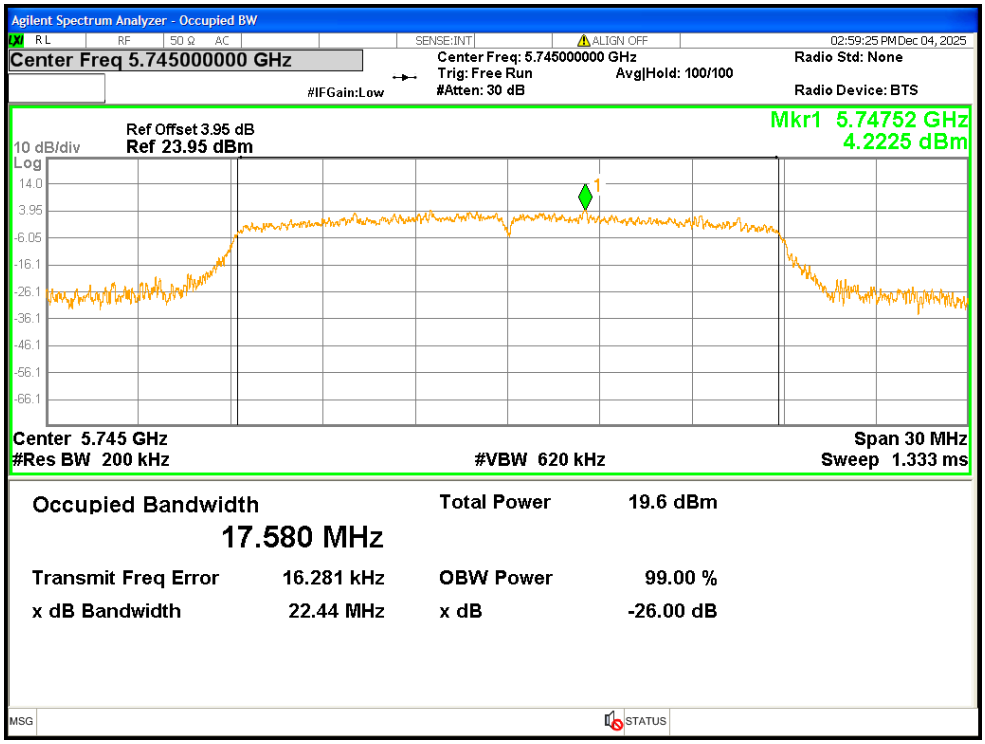

OBW NVNT a 5785MHz



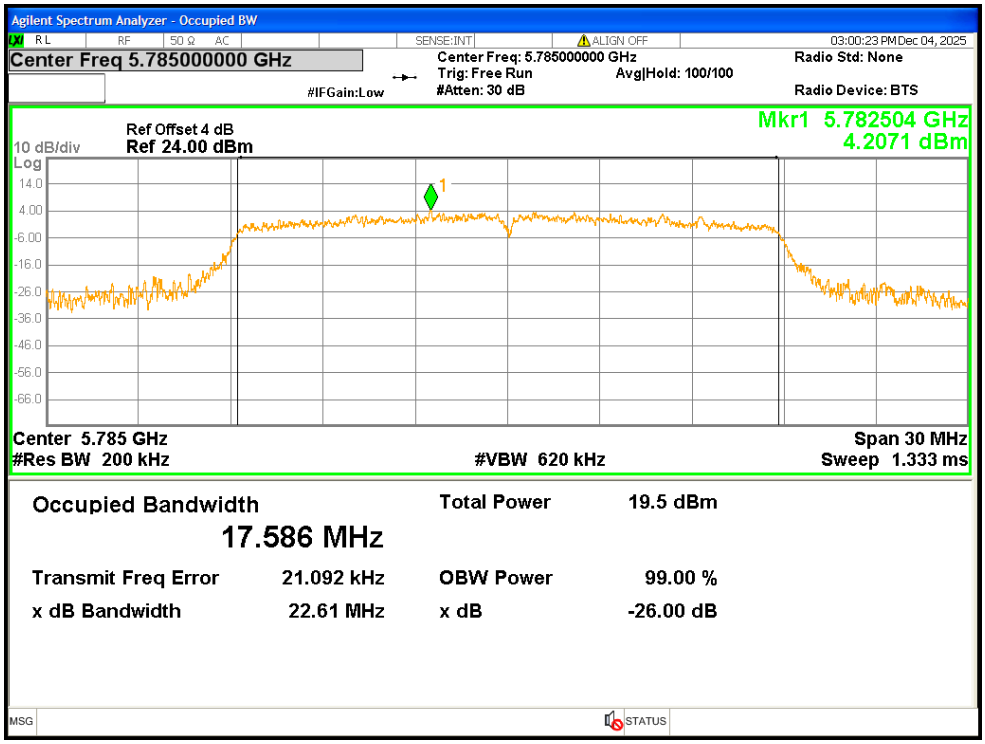
OBW NVNT a 5825MHz



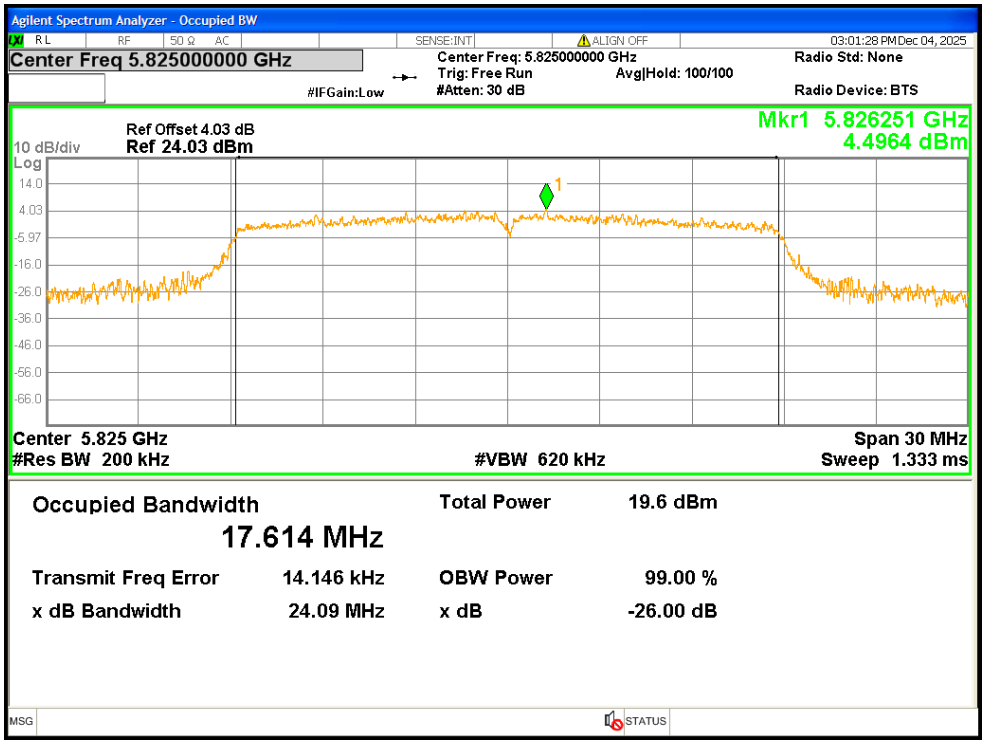

OBW NVNT n20 5745MHz



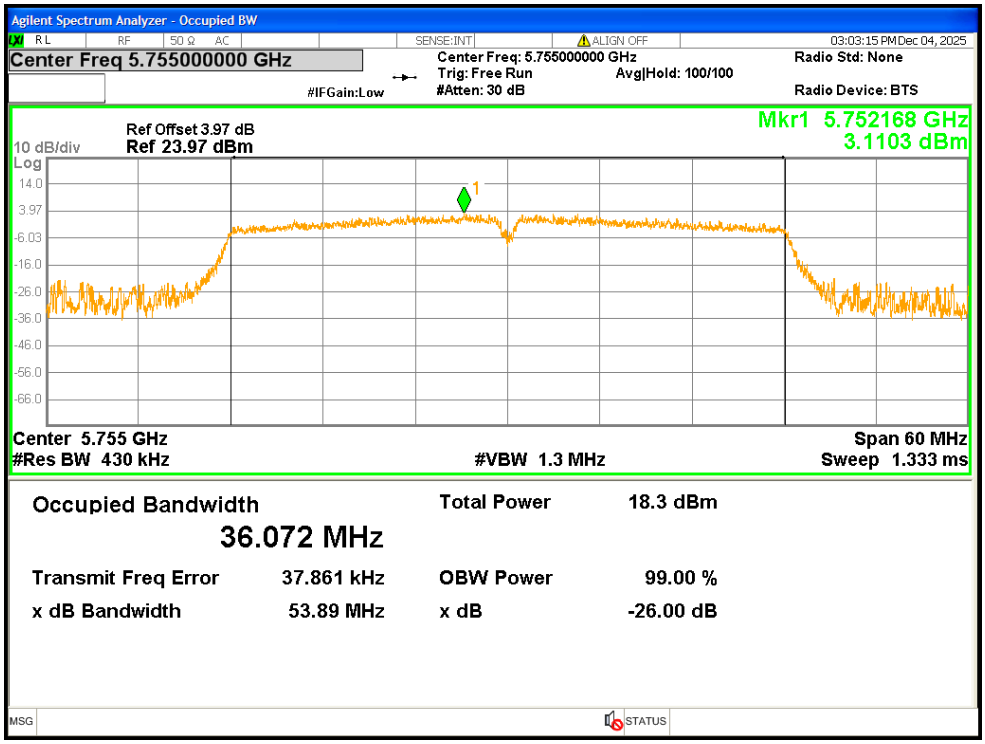
OBW NVNT n20 5785MHz



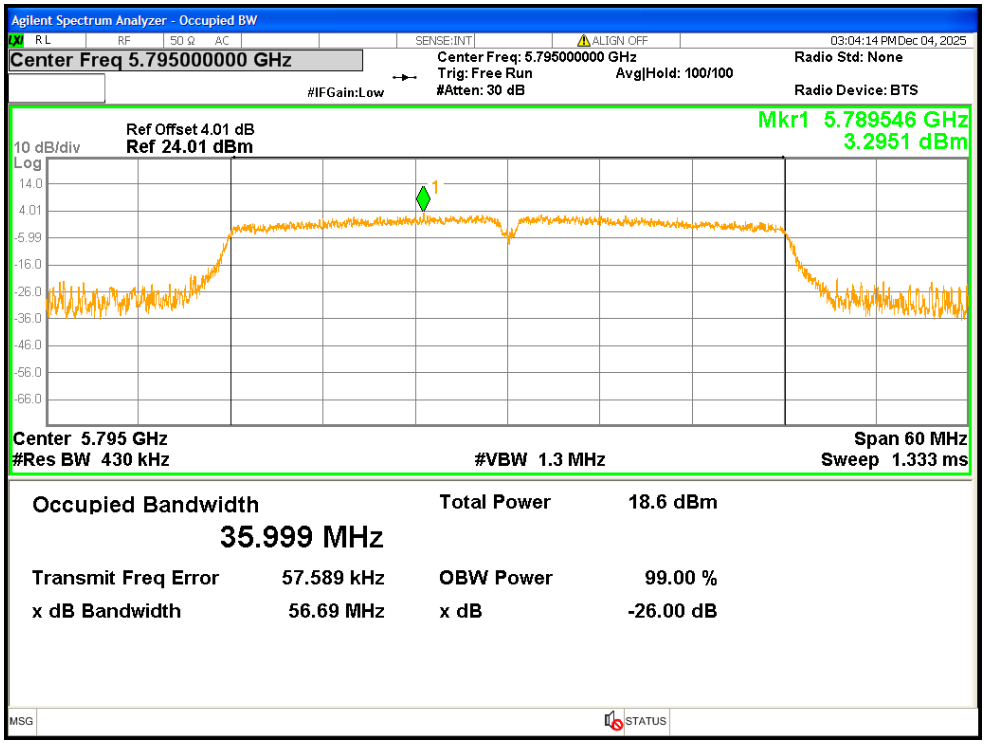

OBW NVNT n20 5825MHz



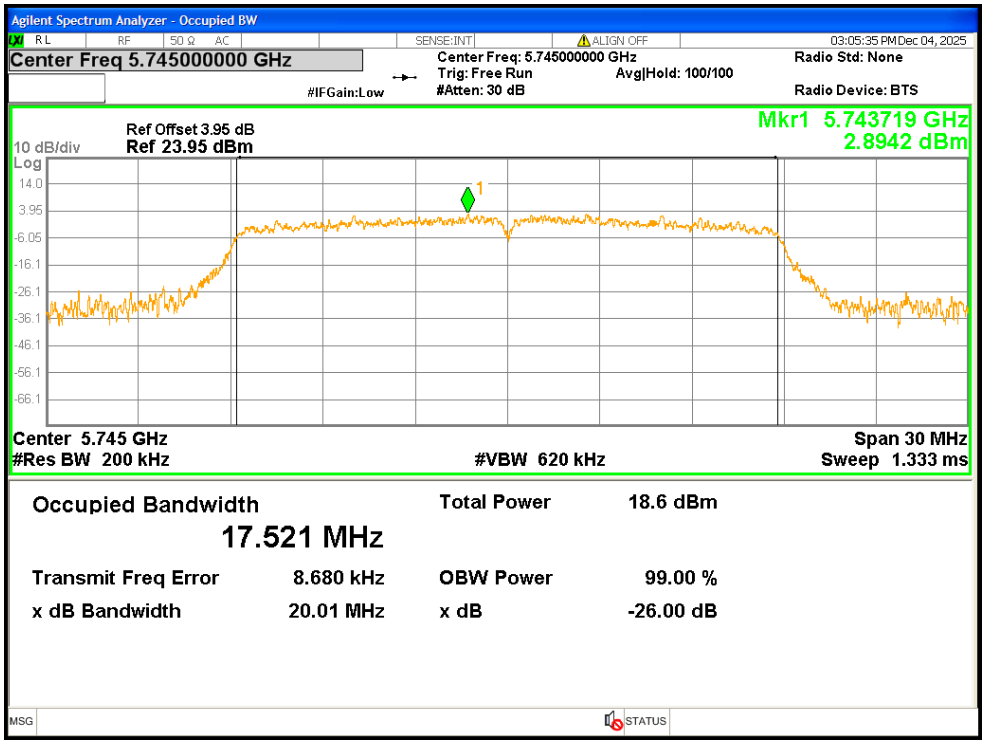
OBW NVNT n40 5755MHz



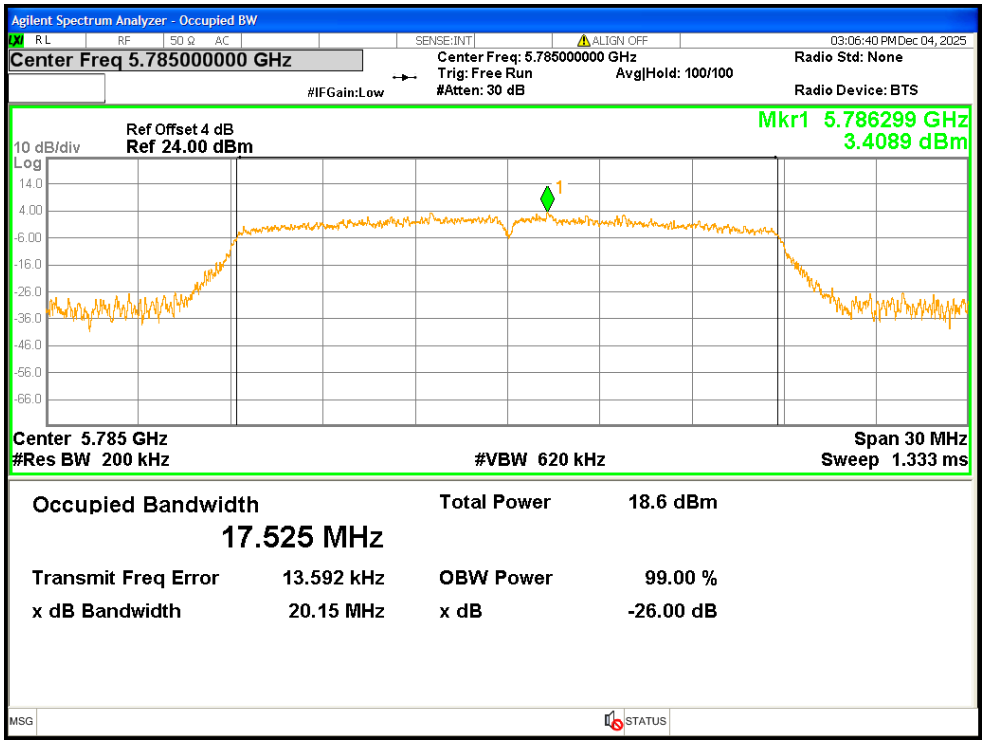

OBW NVNT n40 5795MHz



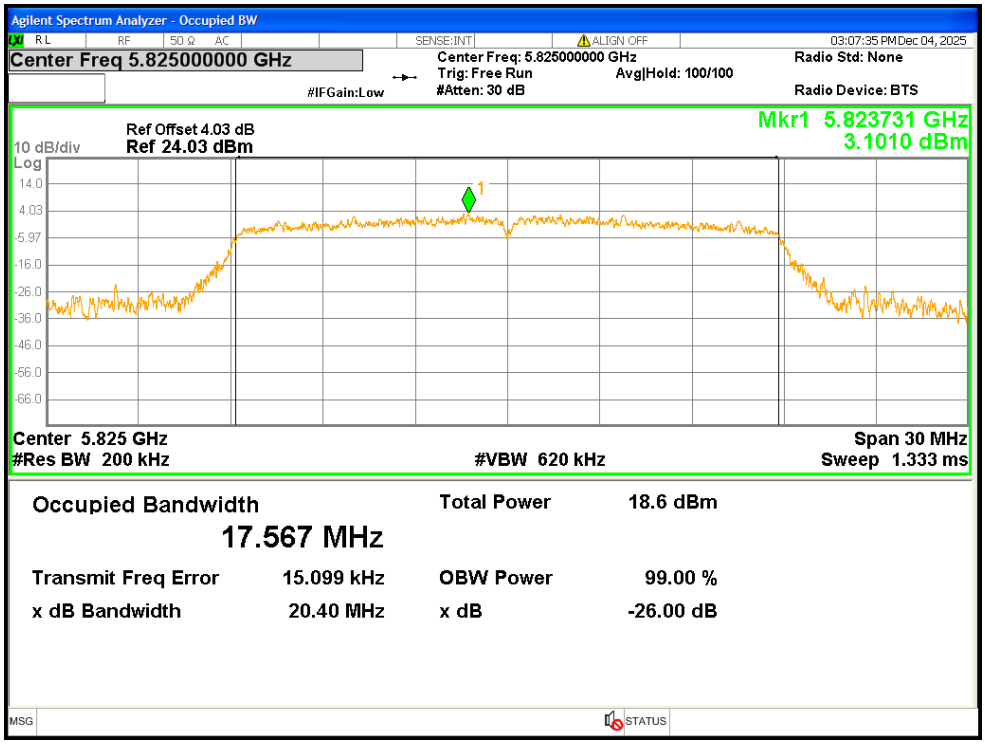
OBW NVNT ac20 5745MHz



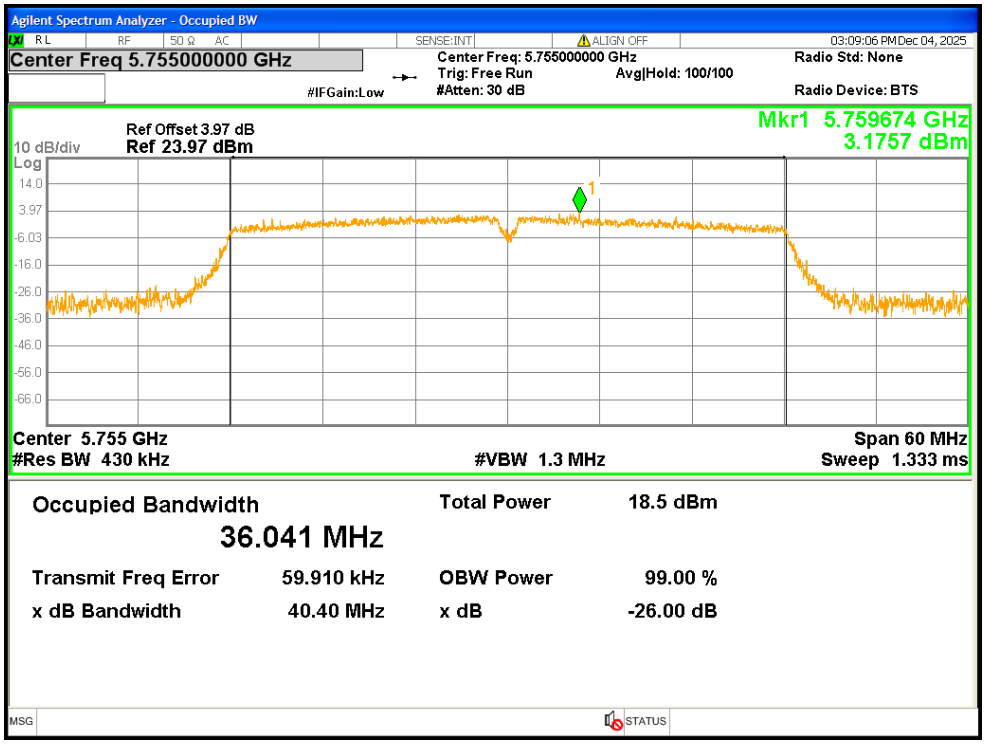

OBW NVNT ac20 5785MHz



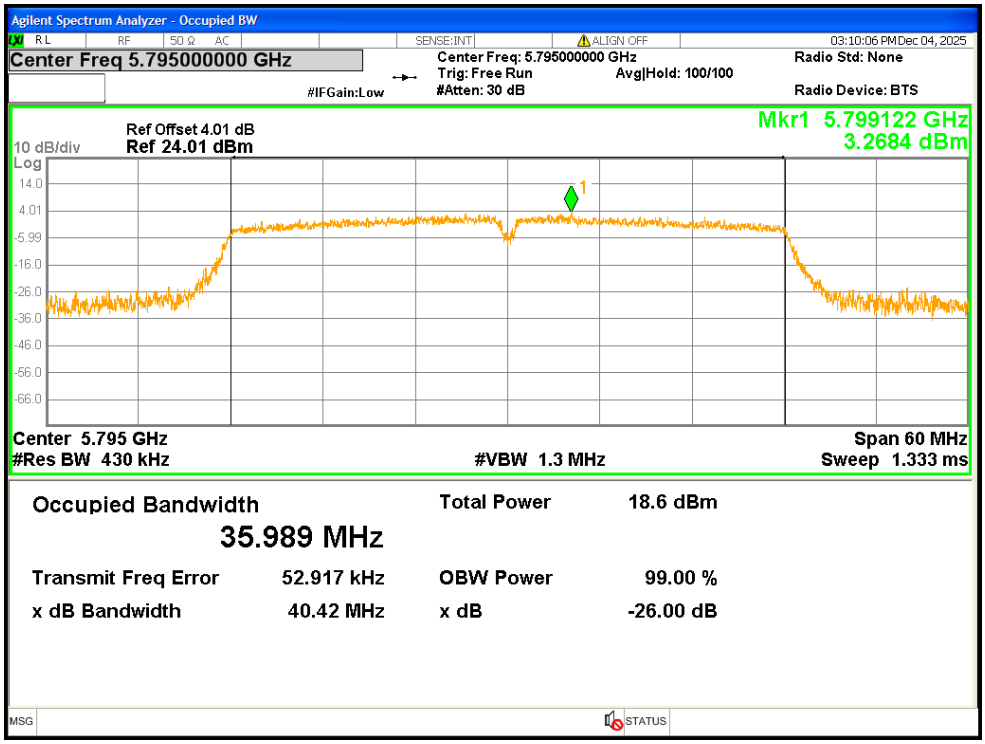
OBW NVNT ac20 5825MHz



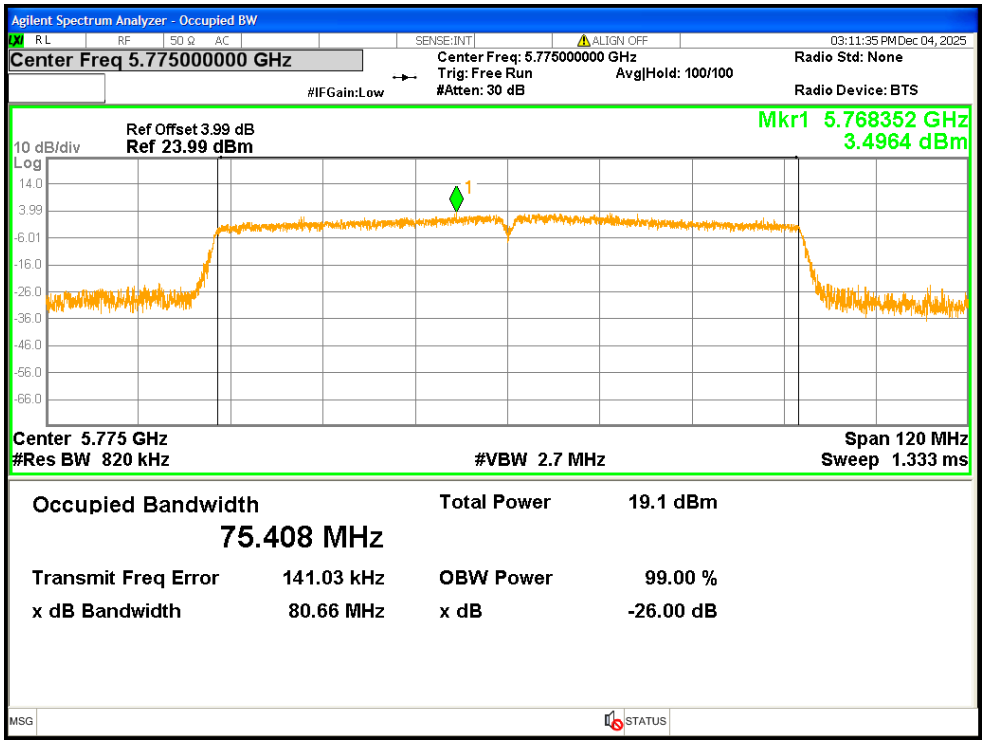

OBW NVNT ac40 5755MHz



OBW NVNT ac40 5795MHz




OBW NVNT ac80 5775MHz

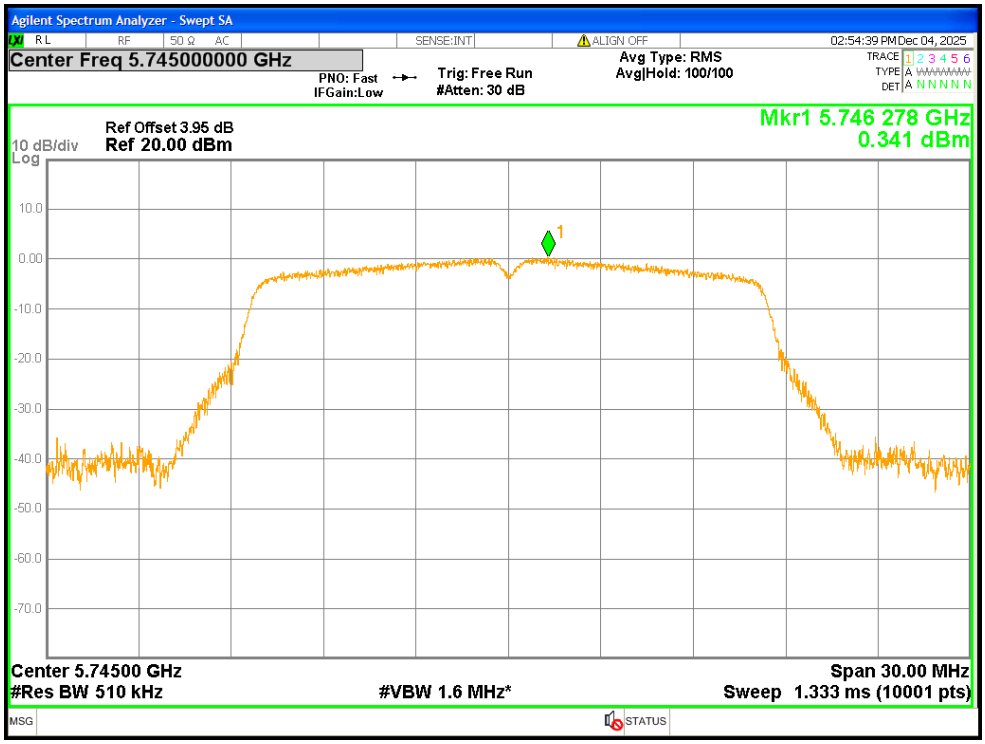


# Maximum Power Spectral Density Level

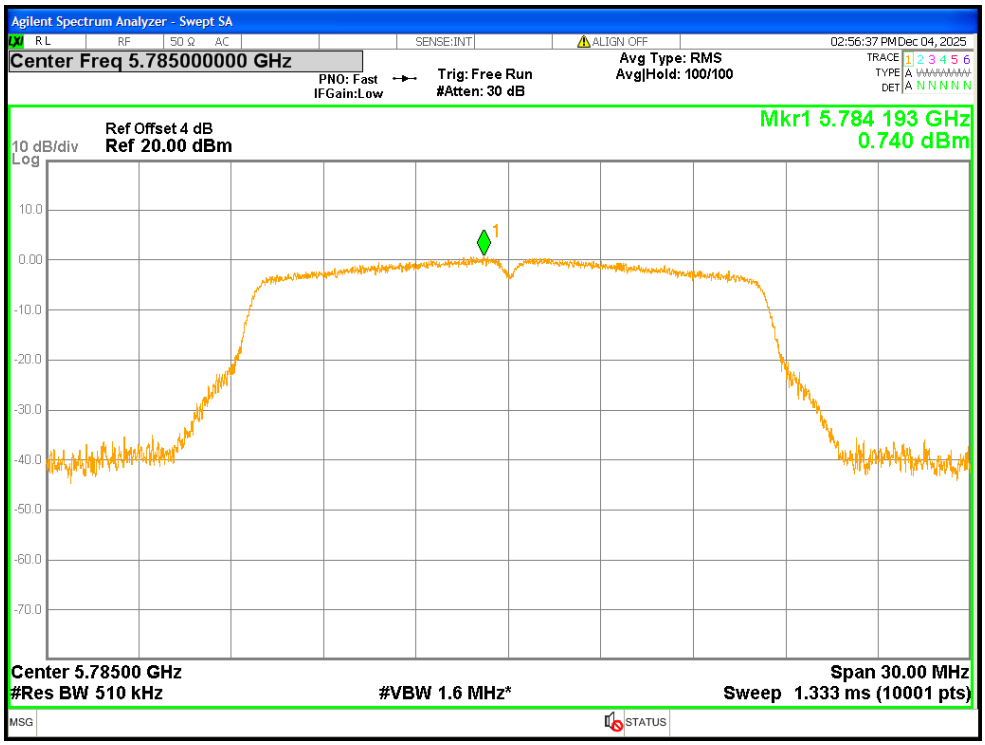
| Condition | Mode | Frequency (MHz) | Conducted PSD (dBm/510kHz) | Duty Factor (dB) | Total PSD (dBm/510kHz) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | 0.341 | 0.11 | 0.451 | 0.36 | <=30 | Pass |
| NVNT | a | 5785 | 0.74 | 0.11 | 0.85 | 0.76 | <=30 | Pass |
| NVNT | a | 5825 | 0.406 | 0.11 | 0.516 | 0.43 | <=30 | Pass |
| NVNT | n20 | 5745 | 1.158 | 0.12 | 1.278 | 1.19 | <=30 | Pass |
| NVNT | n20 | 5785 | 1.444 | 0.12 | 1.564 | 1.48 | <=30 | Pass |
| NVNT | n20 | 5825 | 0.981 | 0.12 | 1.101 | 1.01 | <=30 | Pass |
| NVNT | n40 | 5755 | -3.441 | 0.23 | -3.211 | -3.3 | <=30 | Pass |
| NVNT | n40 | 5795 | -3.258 | 0.22 | -3.038 | -3.12 | <=30 | Pass |
| NVNT | ac20 | 5745 | 0.097 | 0.12 | 0.217 | 0.13 | <=30 | Pass |
| NVNT | ac20 | 5785 | 0.128 | 0.11 | 0.238 | 0.15 | <=30 | Pass |
| NVNT | ac20 | 5825 | 0.164 | 0.11 | 0.274 | 0.19 | <=30 | Pass |
| NVNT | ac40 | 5755 | -3.5 | 0.23 | -3.27 | -3.36 | <=30 | Pass |
| NVNT | ac40 | 5795 | -3.252 | 0.23 | -3.022 | -3.11 | <=30 | Pass |
| NVNT | ac80 | 5775 | -6.15 | 0.43 | -5.72 | -5.81 | <=30 | Pass |

Test Graphs

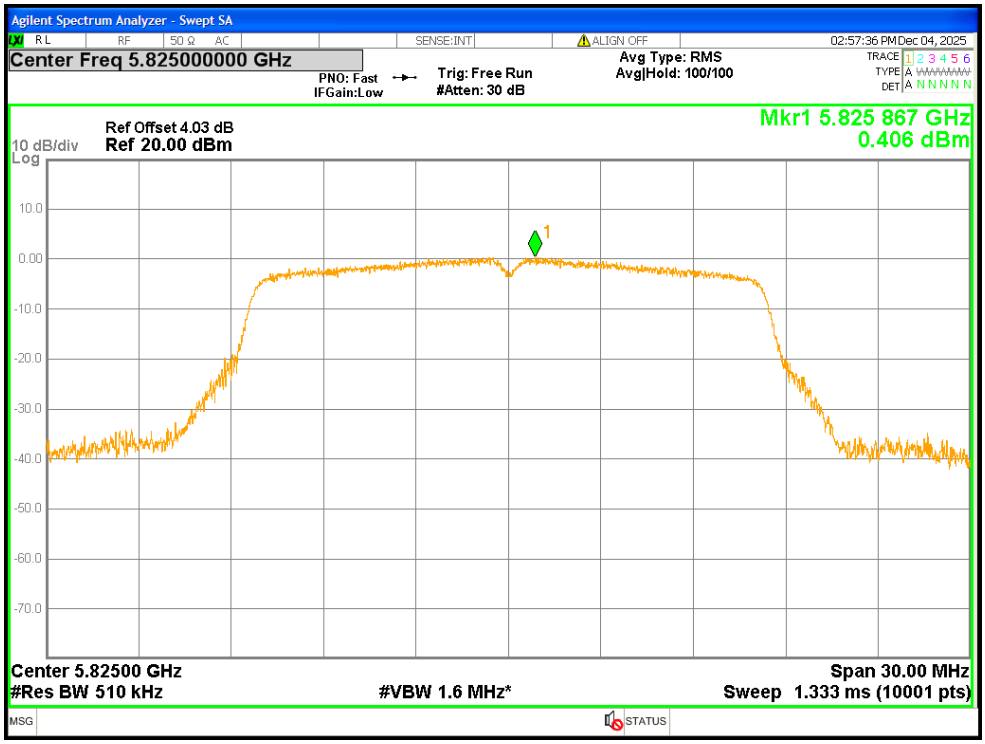
PSD NVNT a 5745MHz



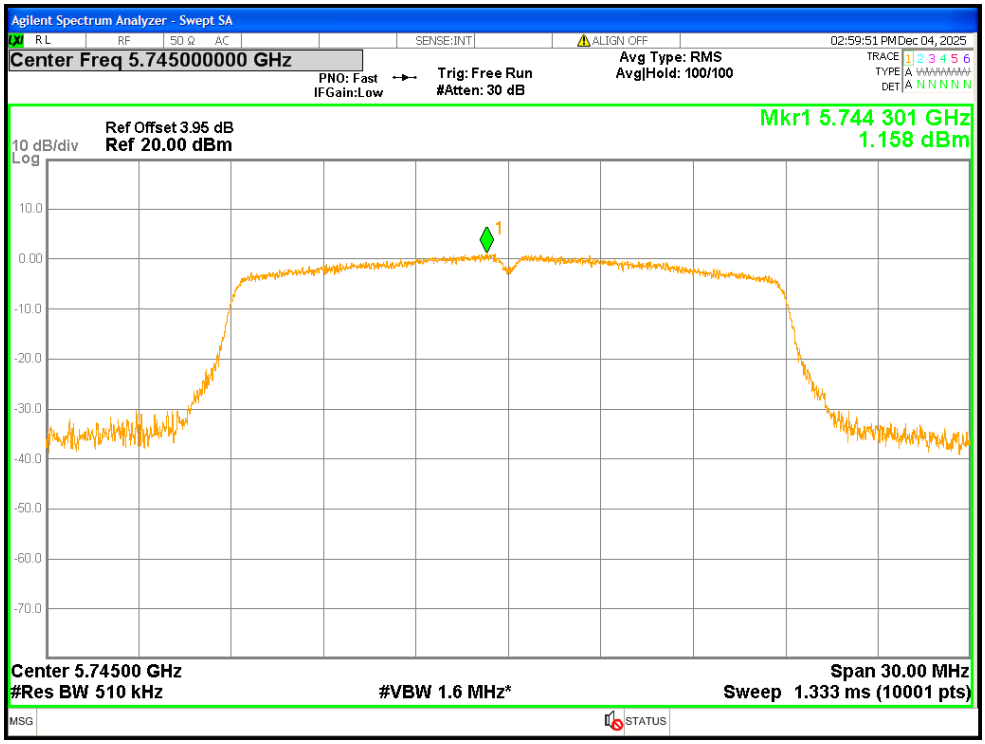

PSD NVNT a 5785MHz



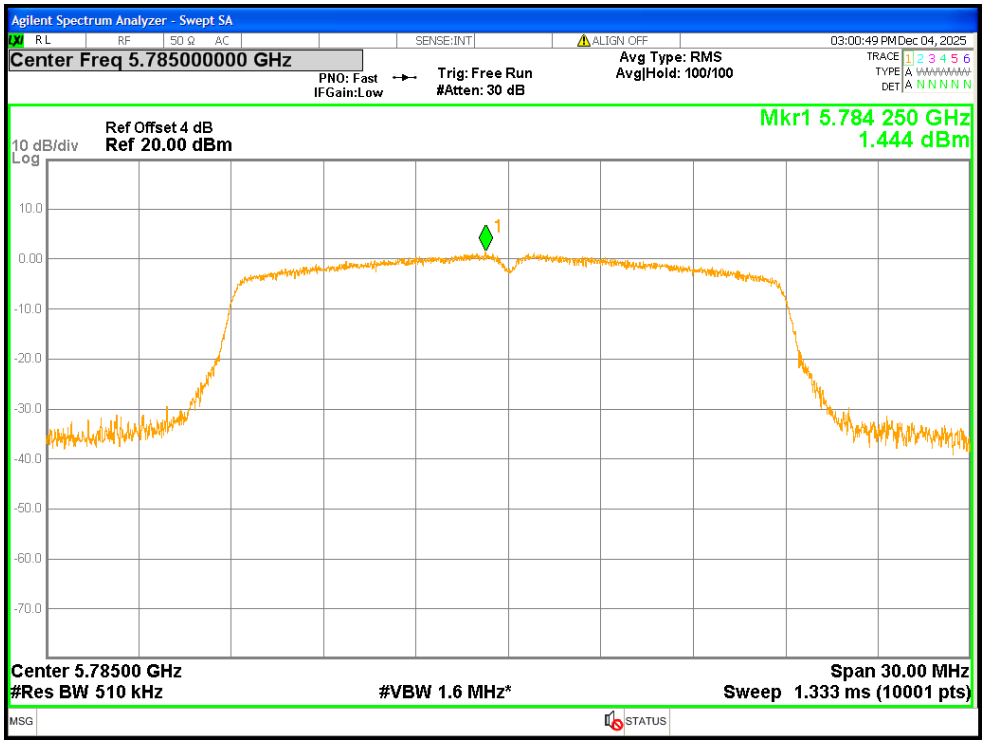
PSD NVNT a 5825MHz



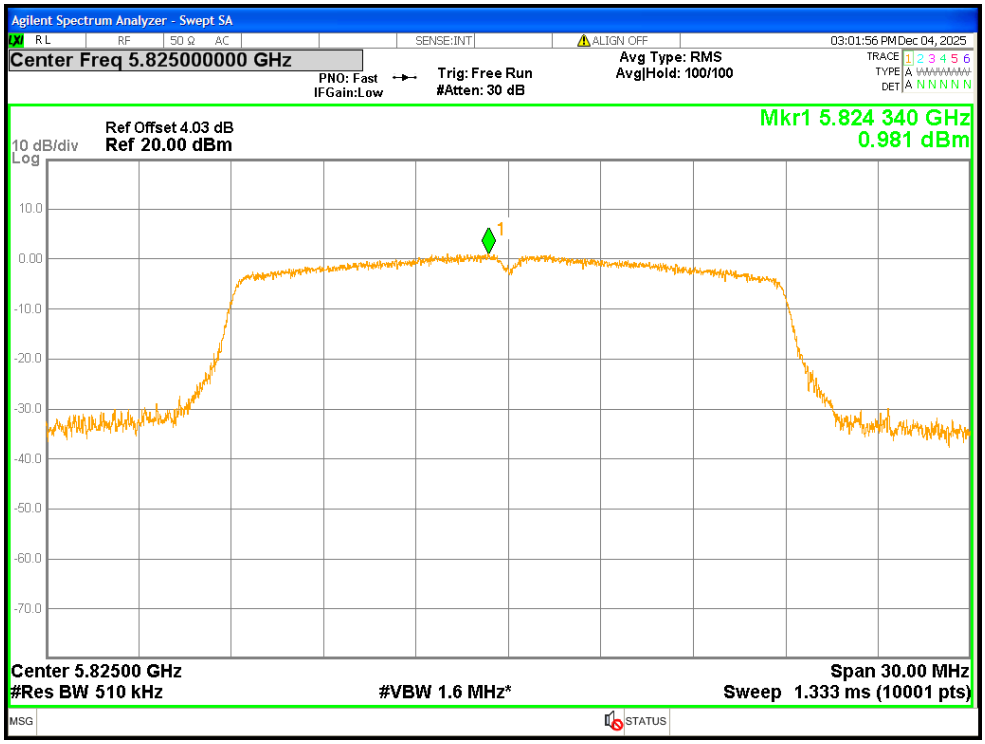

PSD NVNT n20 5745MHz



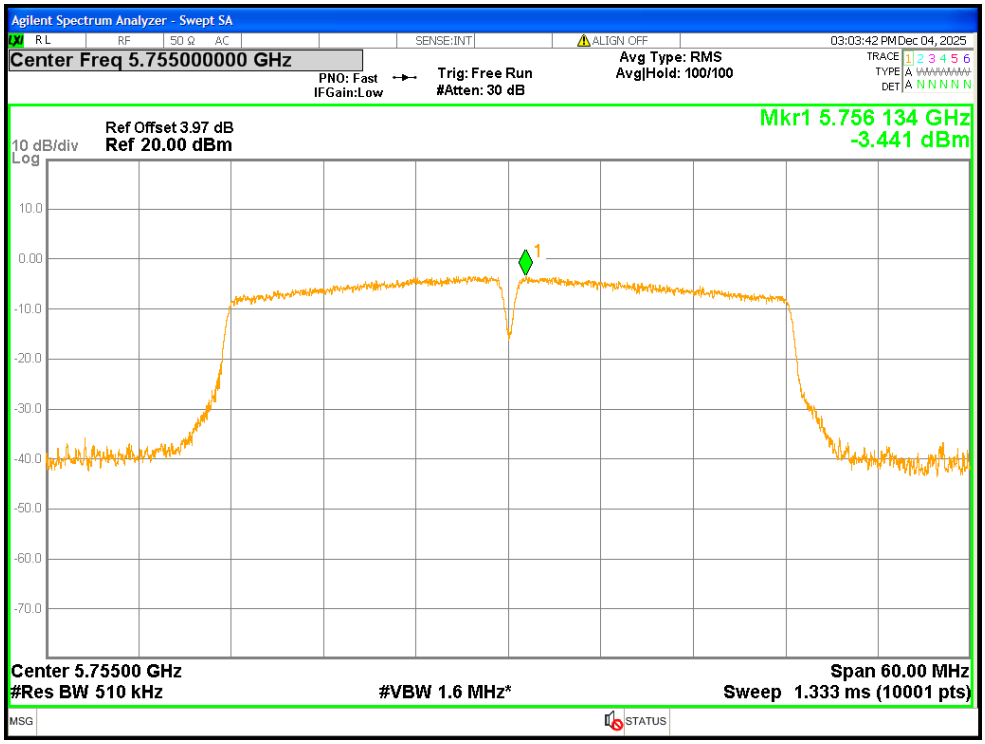
PSD NVNT n20 5785MHz



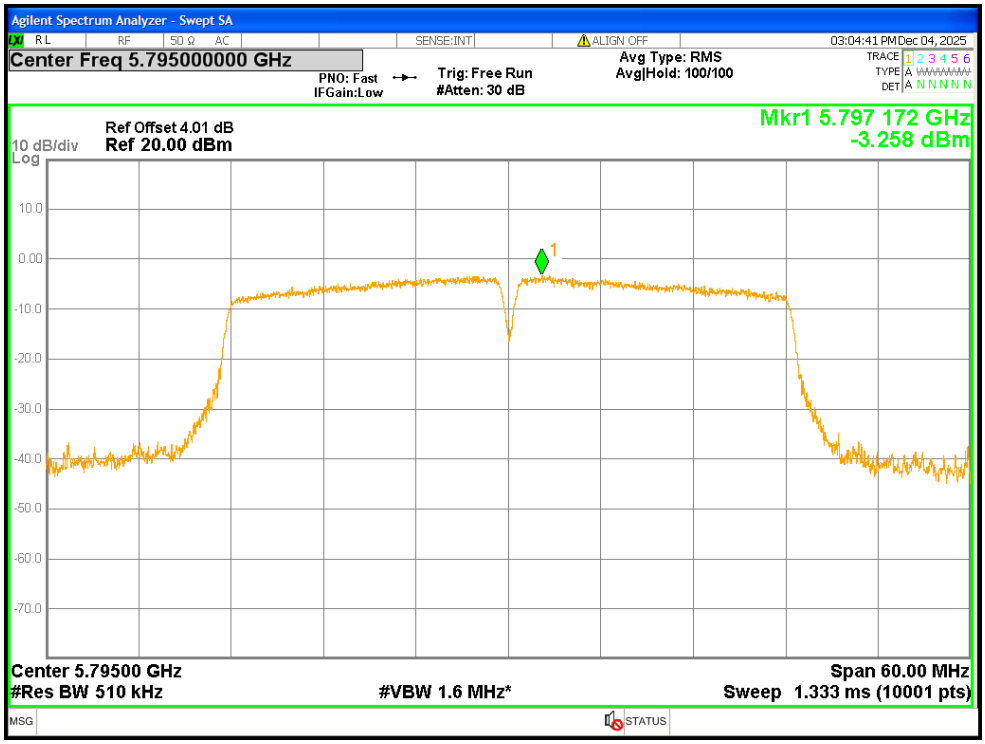

PSD NVNT n20 5825MHz



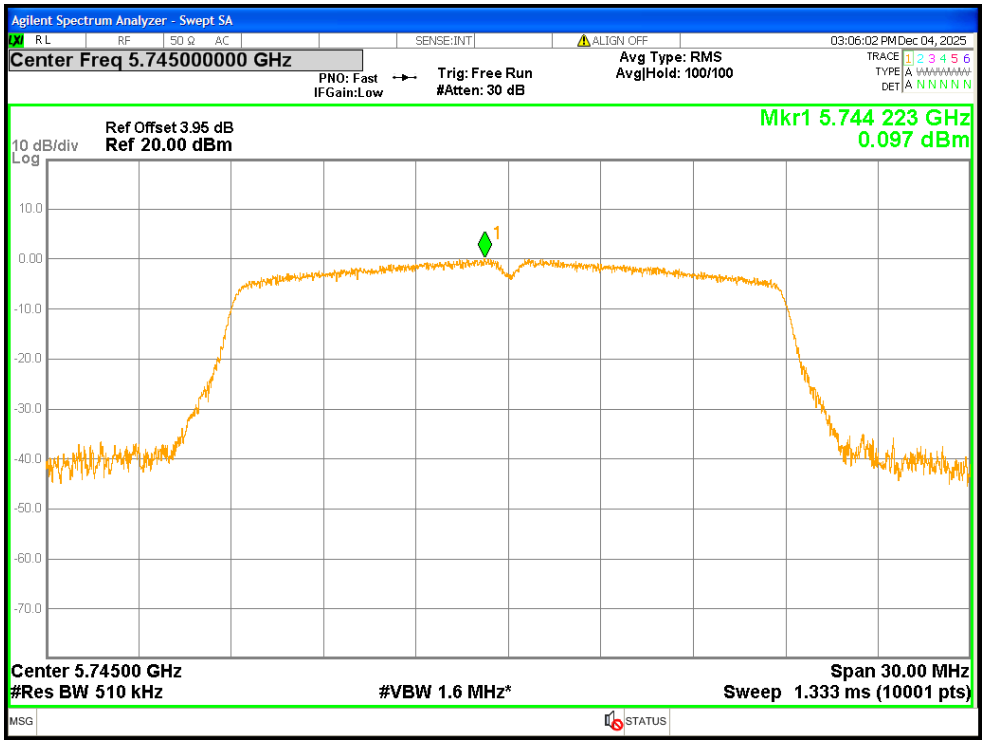
PSD NVNT n40 5755MHz



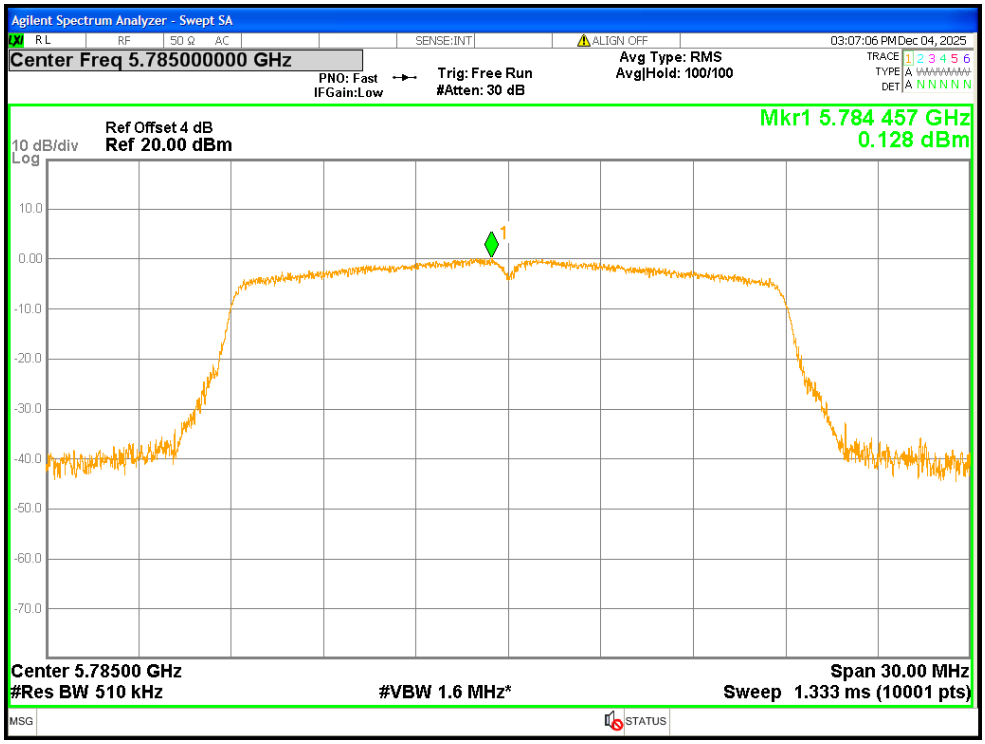

PSD NVNT n40 5795MHz



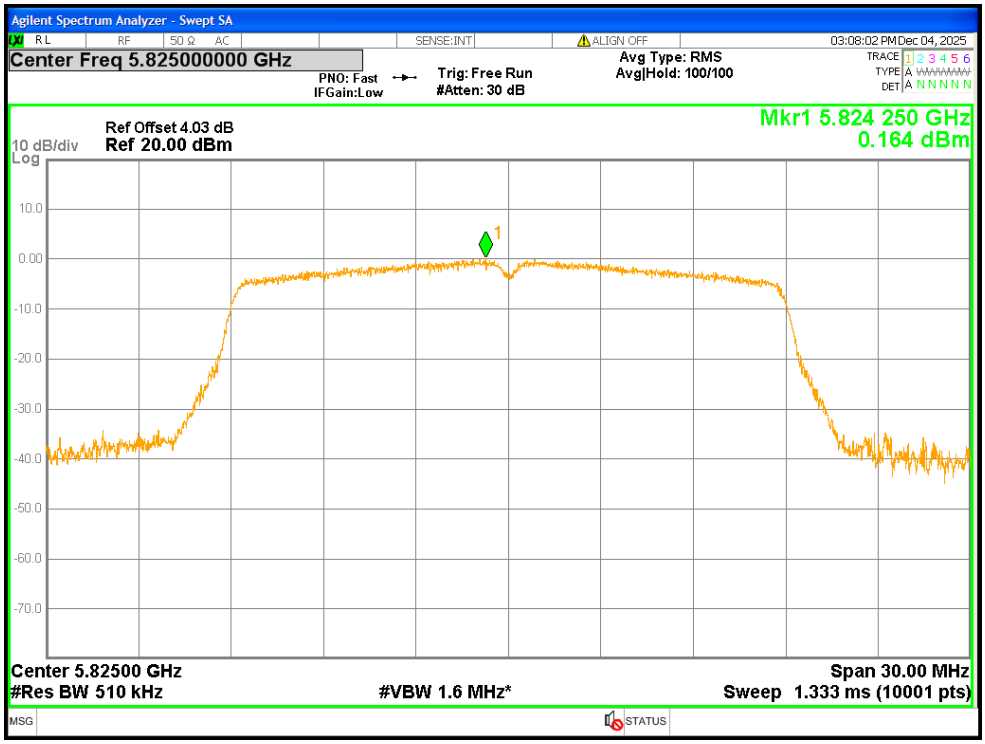
PSD NVNT ac20 5745MHz



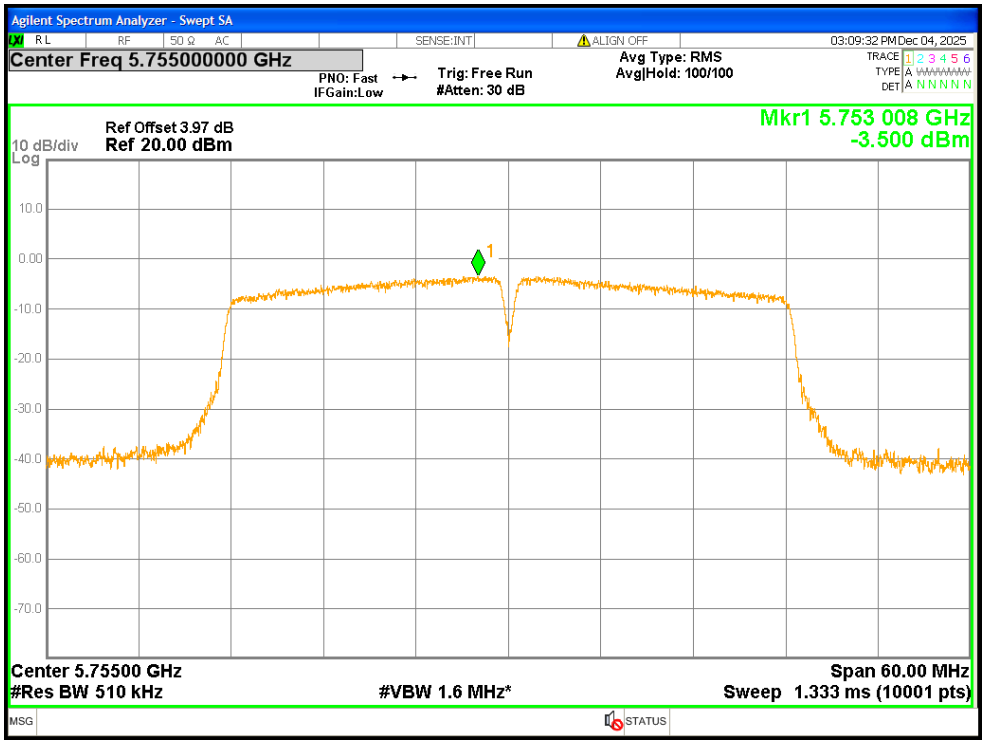

PSD NVNT ac20 5785MHz



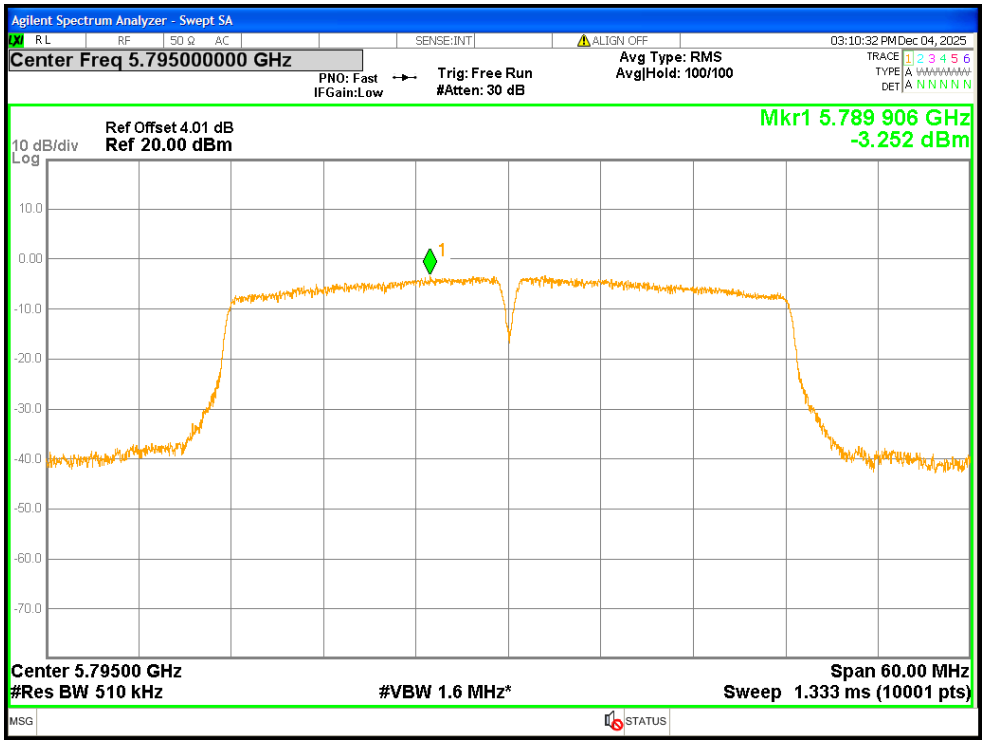
PSD NVNT ac20 5825MHz




PSD NVNT ac40 5755MHz



PSD NVNT ac40 5795MHz




PSD NVNT ac80 5775MHz