# Appendix C

## RF Test Data for 5.8GWIFI (Conducted Measurement)

**Product Name: WiFi Product**

**Test Model: GP-AG500**

**Environmental Conditions**

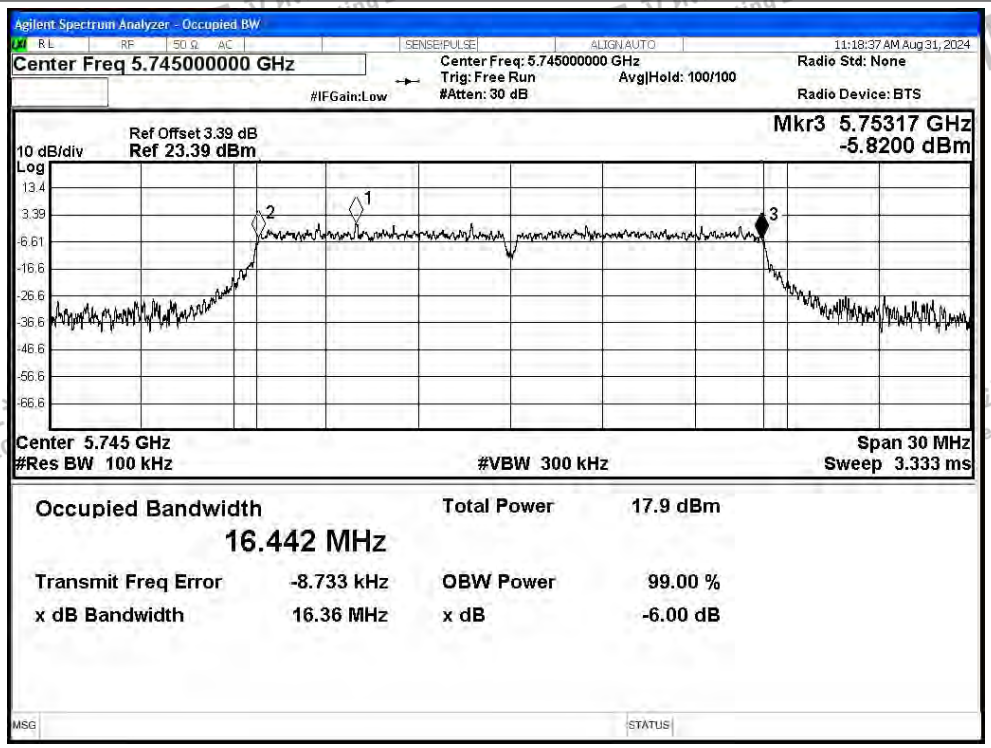
| | |
|---|---|
| Temperature: | 23.8°C |
| Relative Humidity: | 52.1% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Can Kun |
| Supervised by: | Nick Peng |

# C.1 -6dB Bandwidth

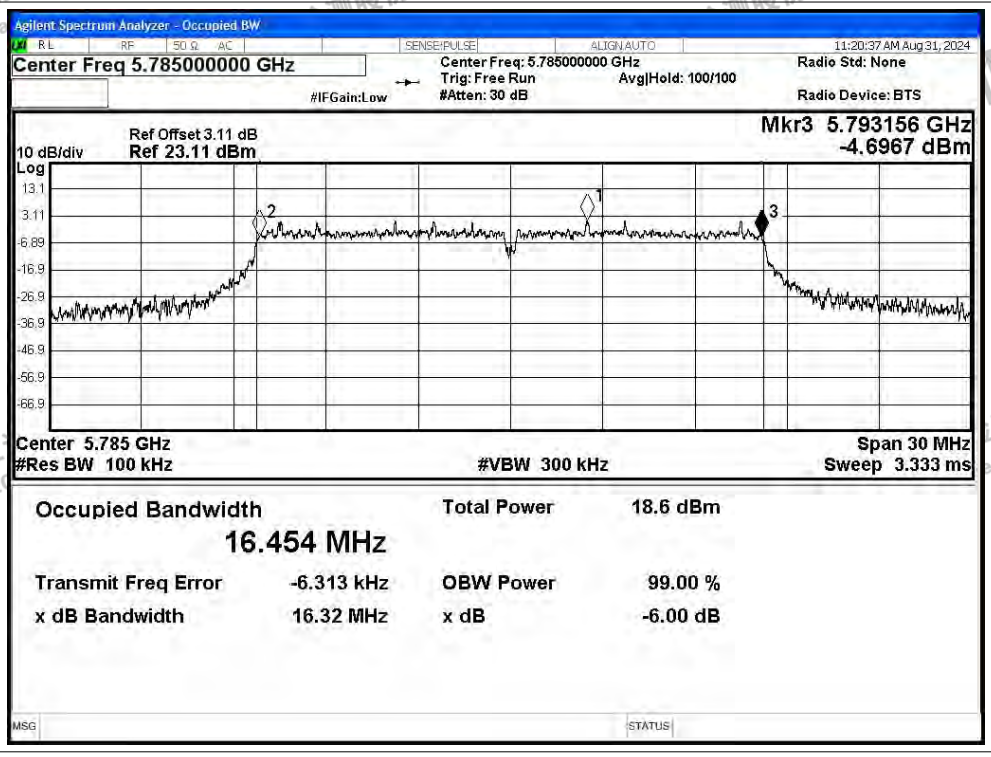
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | 16.358 | >=0.5 | Pass |
| NVNT | a | 5785 | Ant1 | 16.324 | >=0.5 | Pass |
| NVNT | a | 5825 | Ant1 | 16.353 | >=0.5 | Pass |
| NVNT | n20 | 5745 | Ant1 | 17.37 | >=0.5 | Pass |
| NVNT | n20 | 5785 | Ant1 | 17.293 | >=0.5 | Pass |
| NVNT | n20 | 5825 | Ant1 | 17.385 | >=0.5 | Pass |
| NVNT | n40 | 5755 | Ant1 | 36.147 | >=0.5 | Pass |
| NVNT | n40 | 5795 | Ant1 | 35.728 | >=0.5 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 17.386 | >=0.5 | Pass |
| NVNT | ac20 | 5785 | Ant1 | 17.143 | >=0.5 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 17.407 | >=0.5 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 36.016 | >=0.5 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 35.745 | >=0.5 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 75.538 | >=0.5 | Pass |

Test Graphs

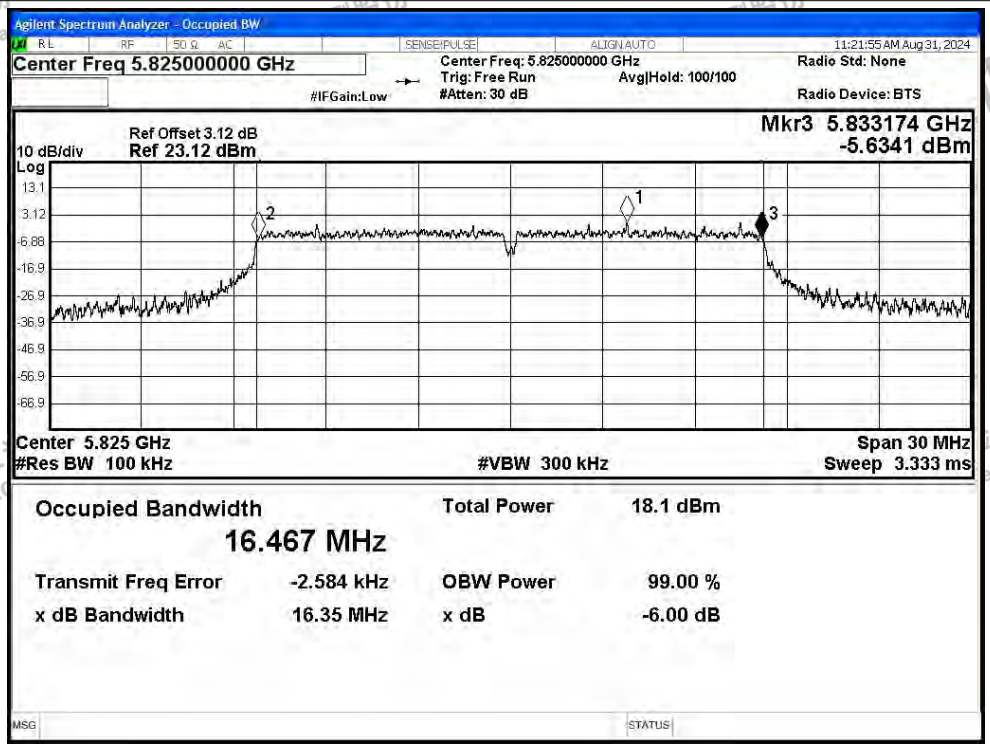
-6dB Bandwidth NVNT a 5745MHz Ant1



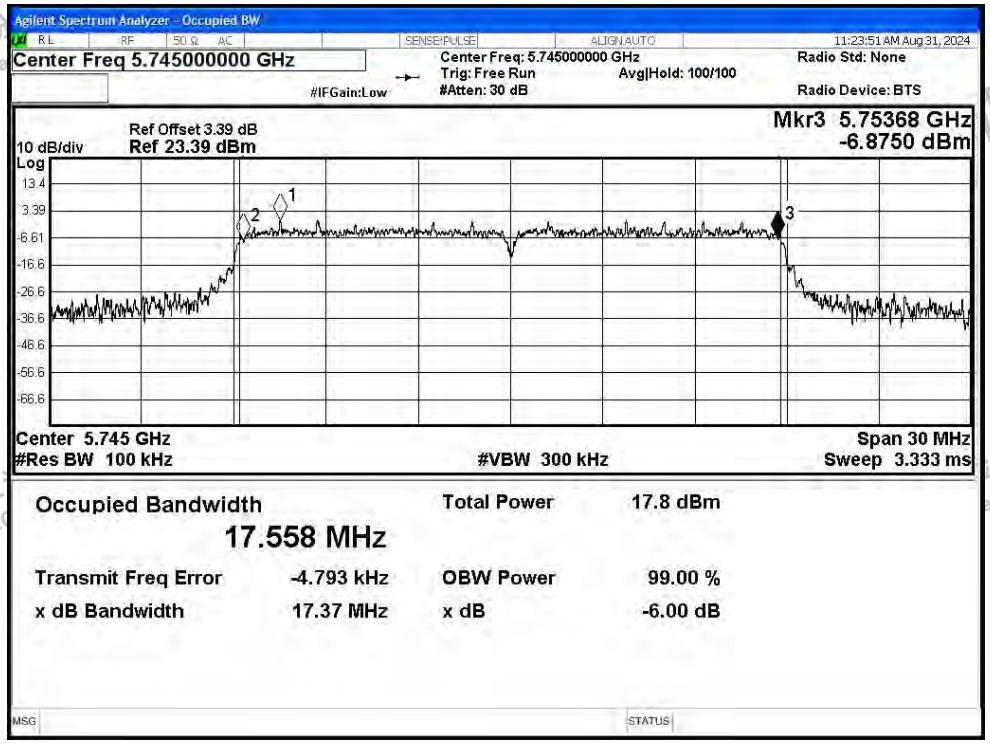

-6dB Bandwidth NVNT a 5785MHz Ant1



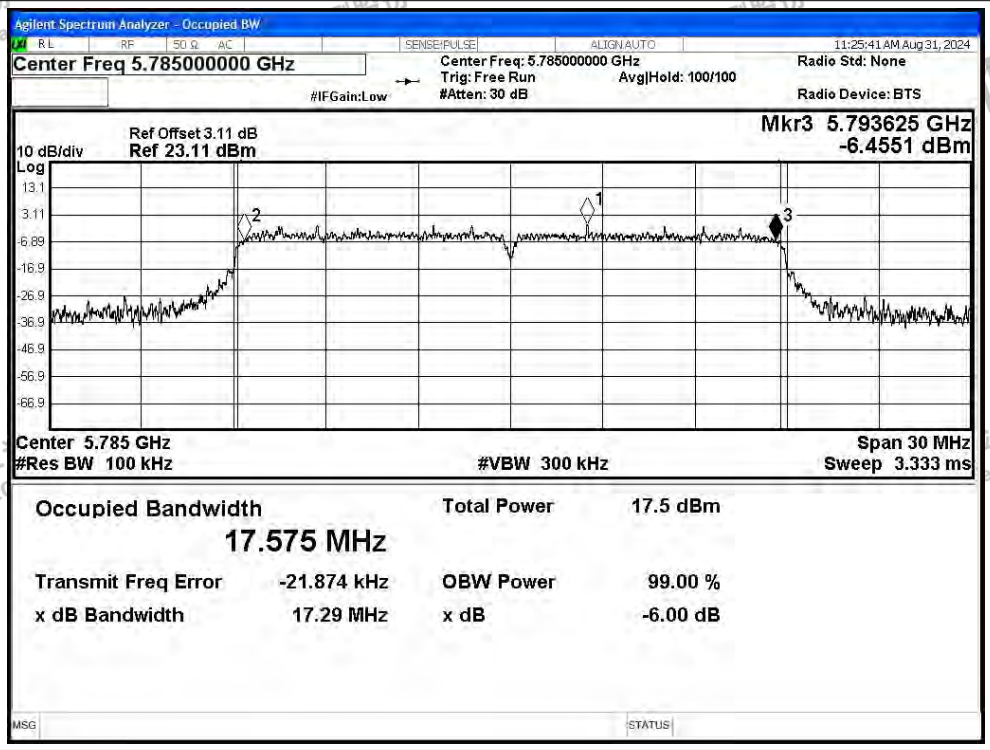
-6dB Bandwidth NVNT a 5825MHz Ant1



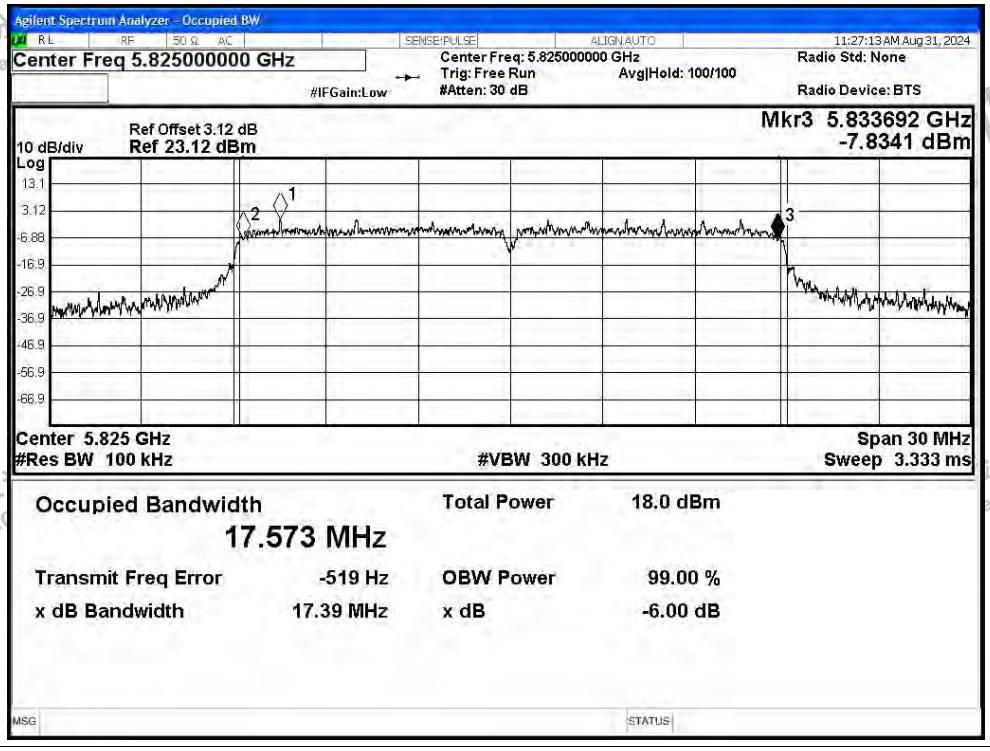

-6dB Bandwidth NVNT n20 5745MHz Ant1



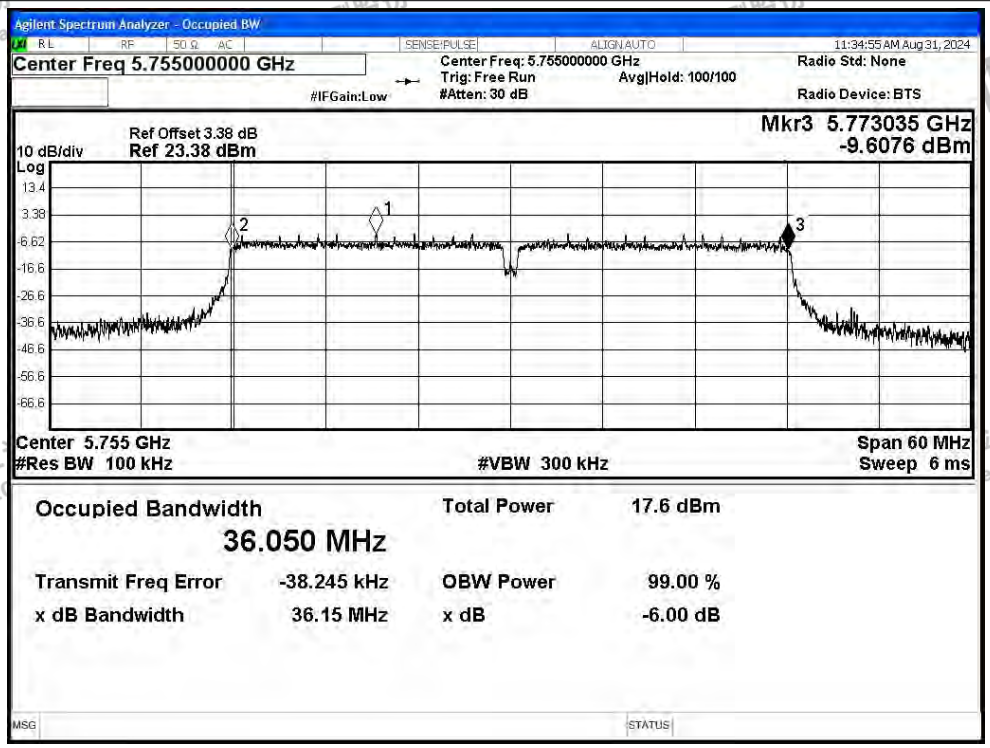
-6dB Bandwidth NVNT n20 5785MHz Ant1



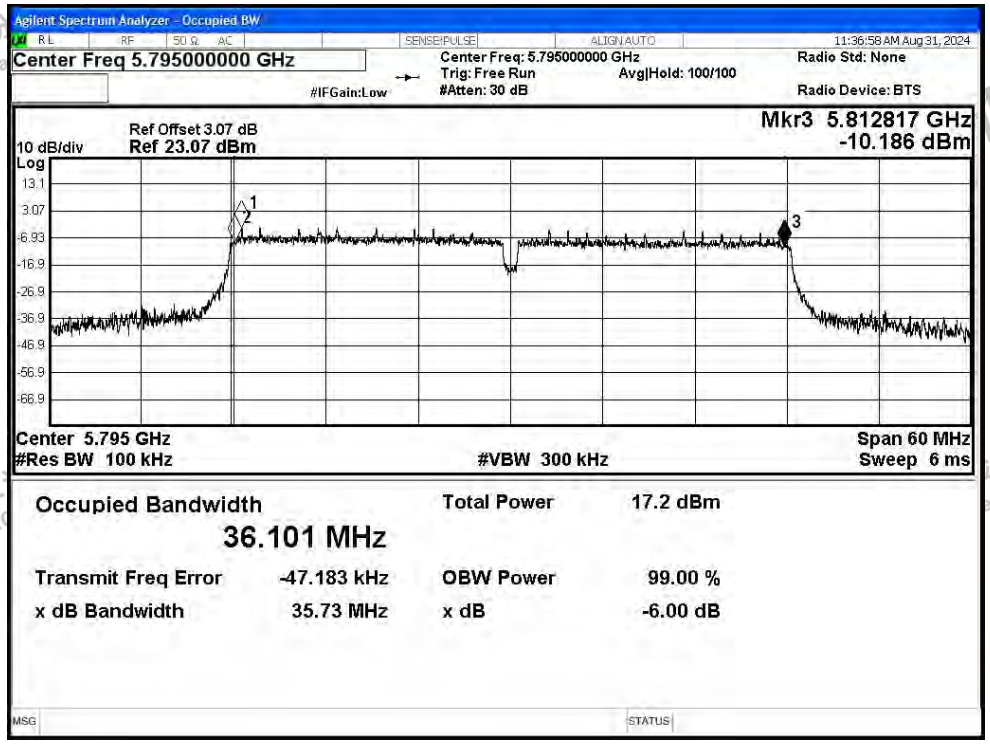

-6dB Bandwidth NVNT n20 5825MHz Ant1



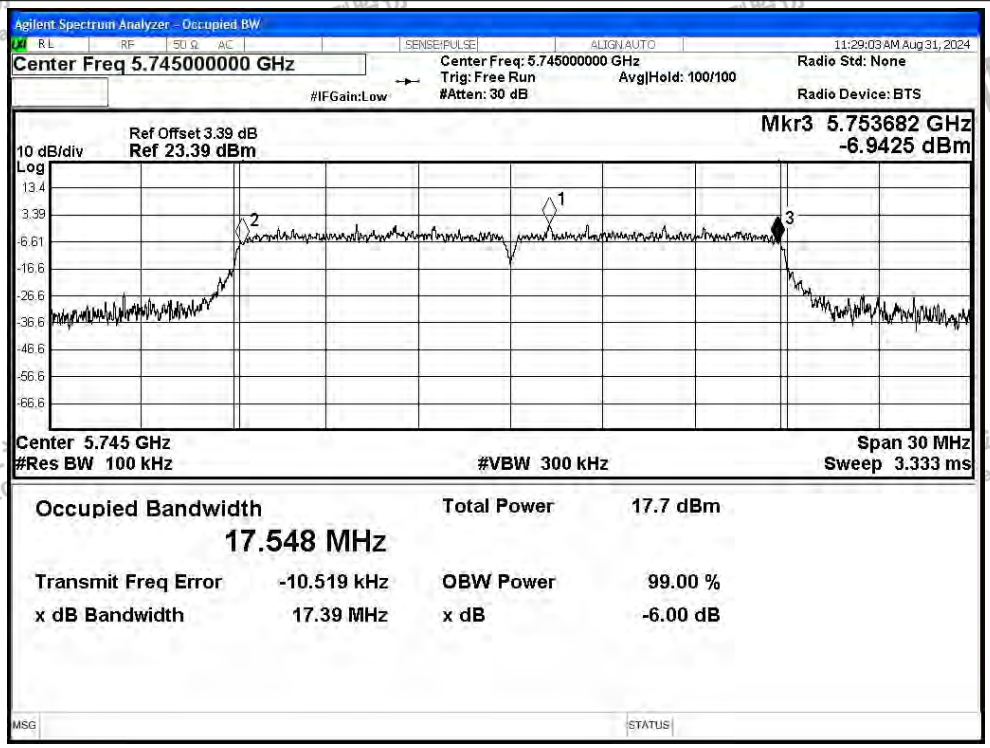
-6dB Bandwidth NVNT n40 5755MHz Ant1



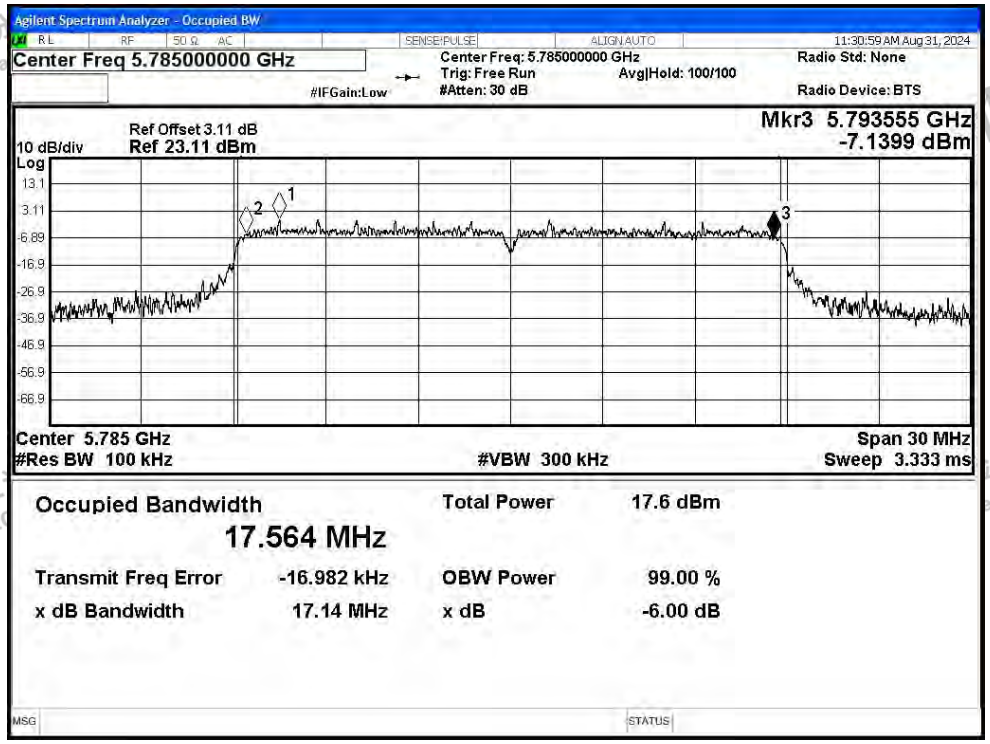

-6dB Bandwidth NVNT n40 5795MHz Ant1



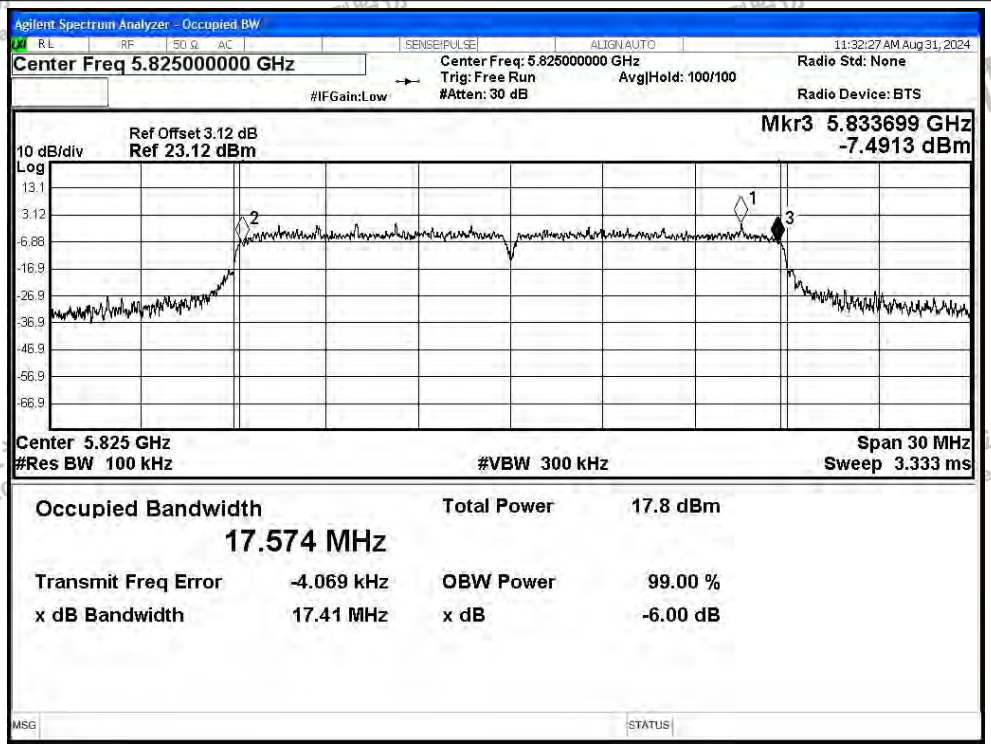
-6dB Bandwidth NVNT ac20 5745MHz Ant1



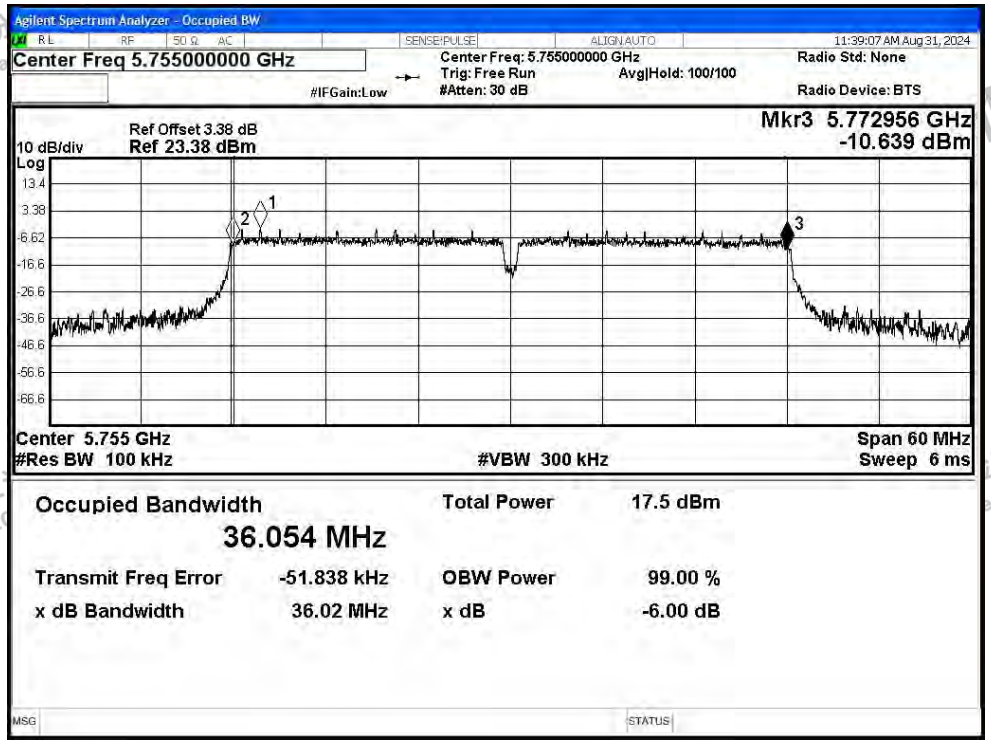

-6dB Bandwidth NVNT ac20 5785MHz Ant1



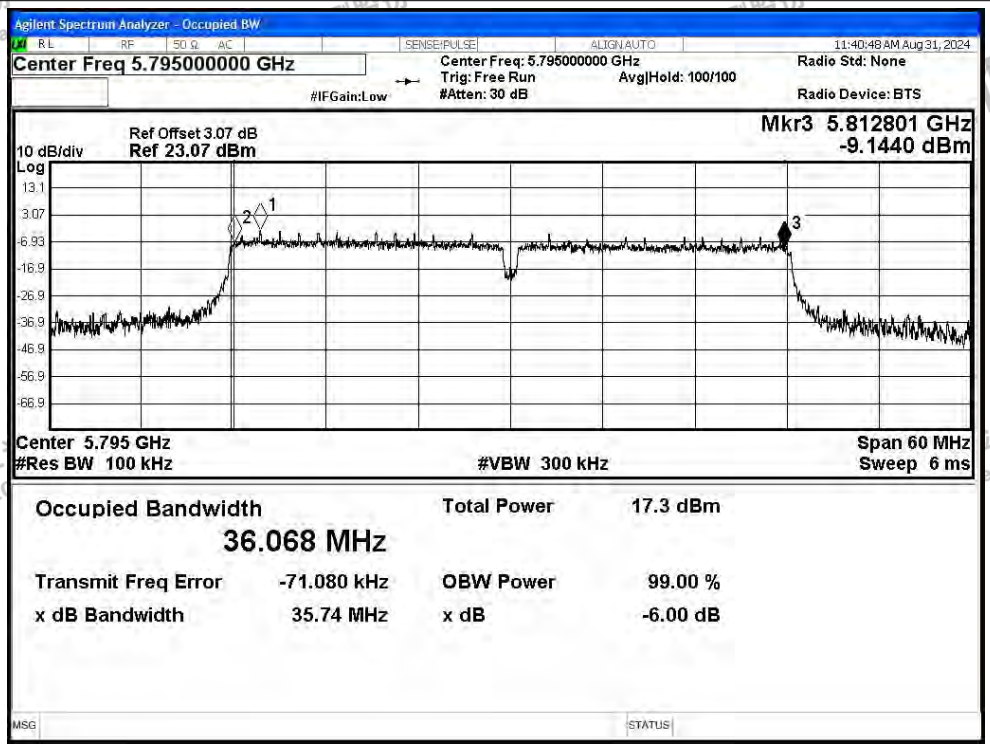
-6dB Bandwidth NVNT ac20 5825MHz Ant1



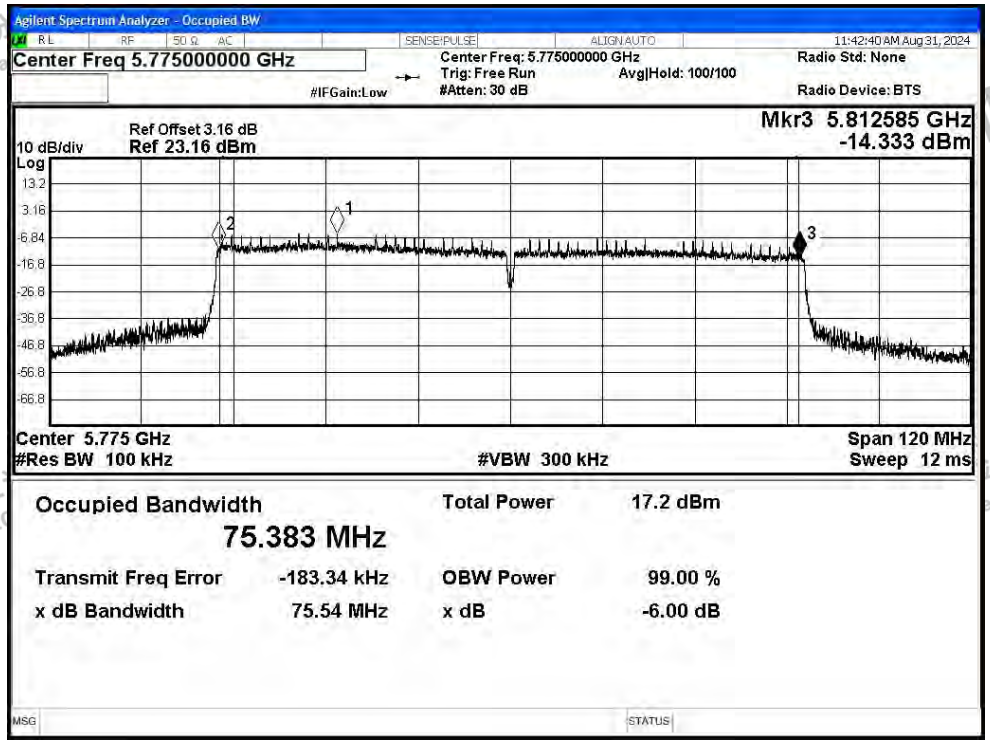

-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



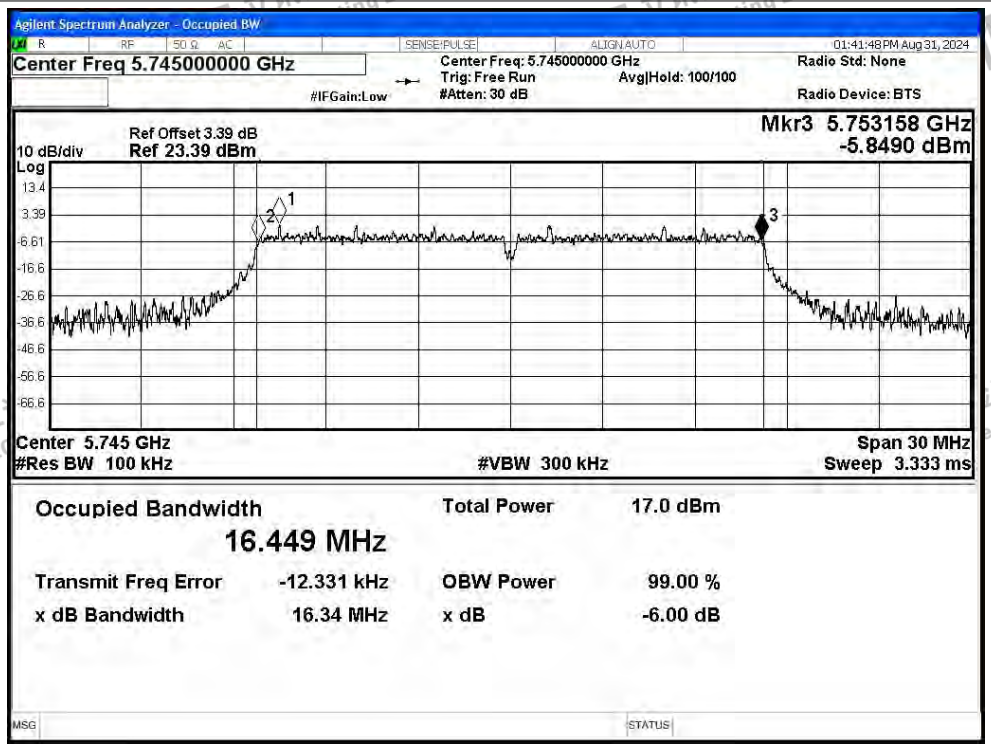

-6dB Bandwidth NVNT ac80 5775MHz Ant1



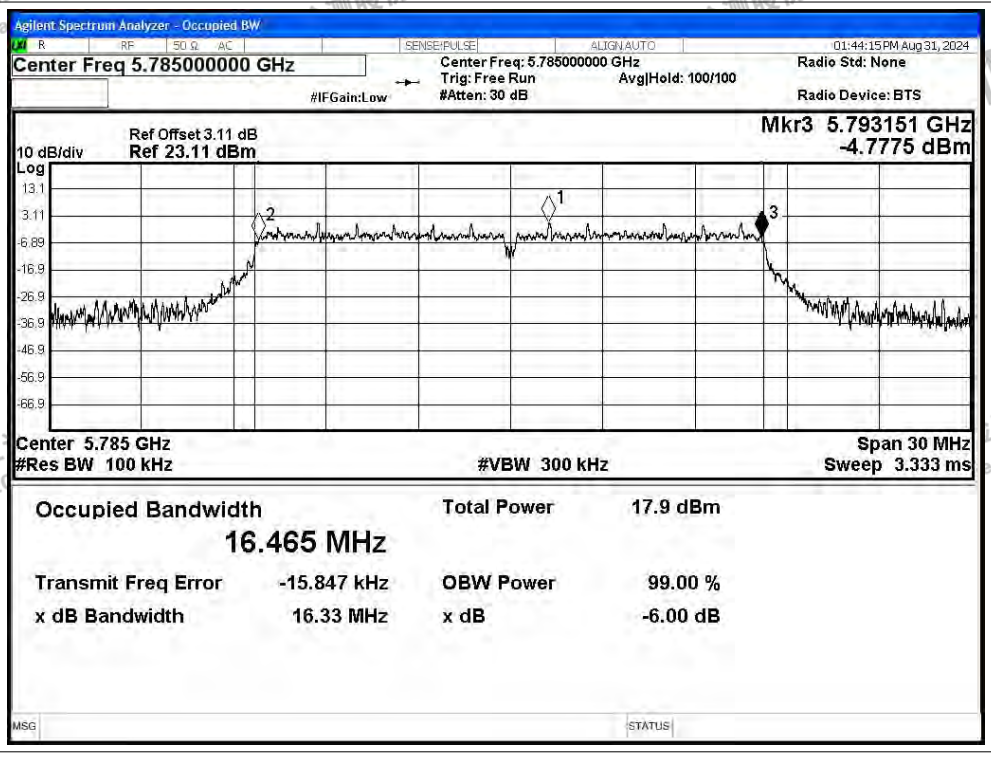
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant2 | 16.34 | >=0.5 | Pass |
| NVNT | a | 5785 | Ant2 | 16.335 | >=0.5 | Pass |
| NVNT | a | 5825 | Ant2 | 16.355 | >=0.5 | Pass |
| NVNT | n20 | 5745 | Ant2 | 17.151 | >=0.5 | Pass |
| NVNT | n20 | 5785 | Ant2 | 17.539 | >=0.5 | Pass |
| NVNT | n20 | 5825 | Ant2 | 17.549 | >=0.5 | Pass |
| NVNT | n40 | 5755 | Ant2 | 36.193 | >=0.5 | Pass |
| NVNT | n40 | 5795 | Ant2 | 36.169 | >=0.5 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 17.368 | >=0.5 | Pass |
| NVNT | ac20 | 5785 | Ant2 | 17.528 | >=0.5 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 17.271 | >=0.5 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 36.432 | >=0.5 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 35.86 | >=0.5 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 75.515 | >=0.5 | Pass |

Test Graphs

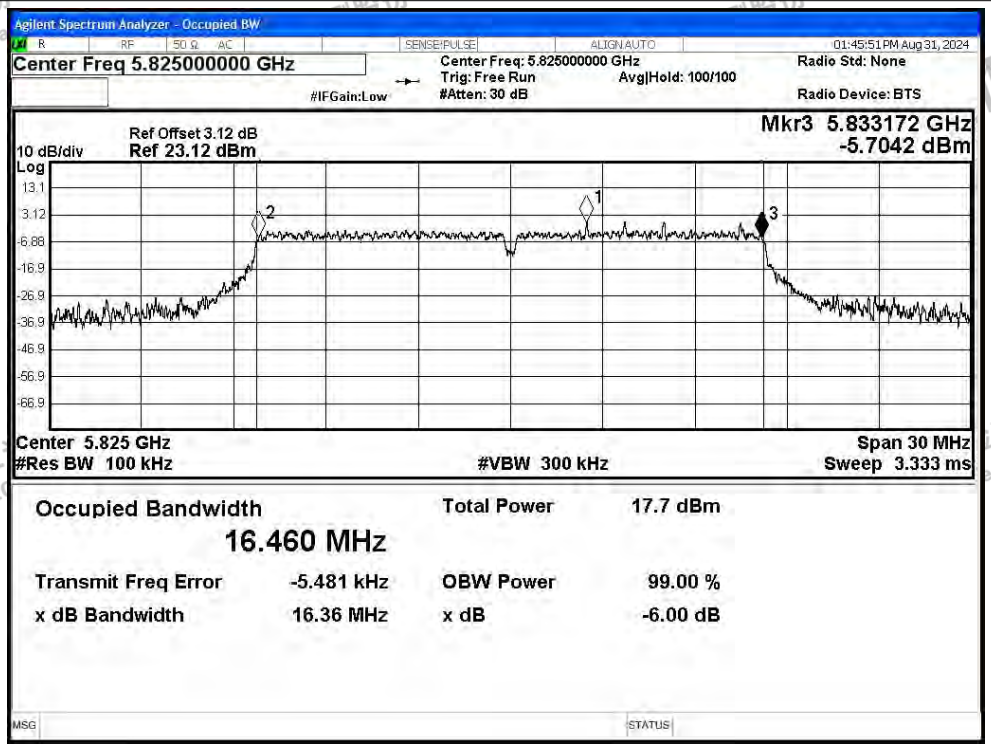
-6dB Bandwidth NVNT a 5745MHz Ant2



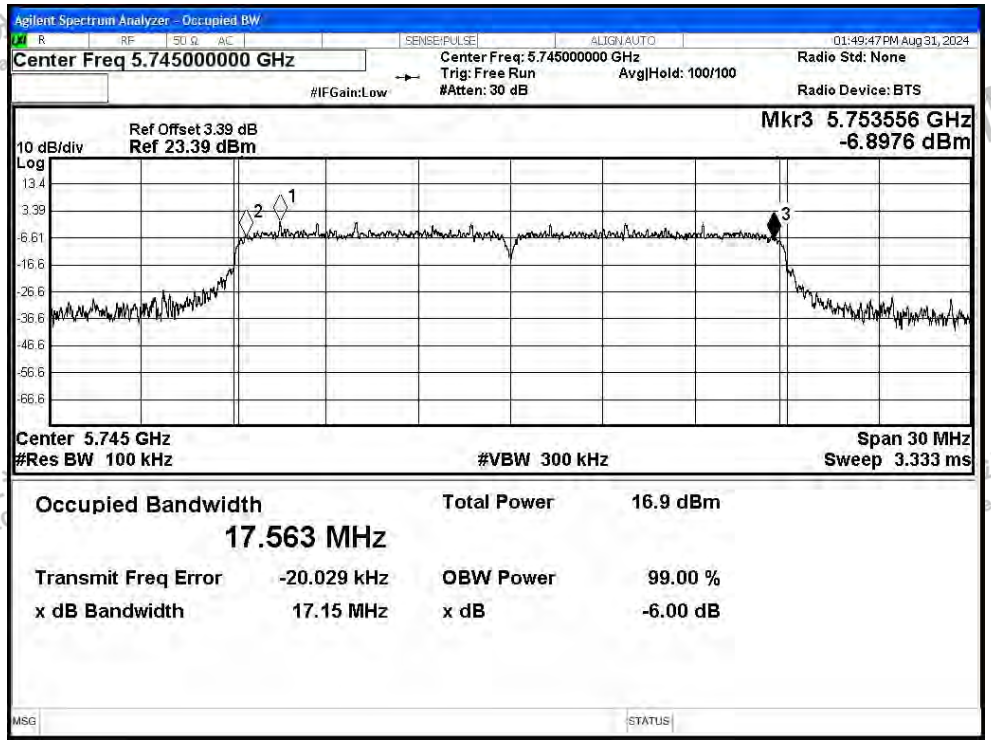

-6dB Bandwidth NVNT a 5785MHz Ant2



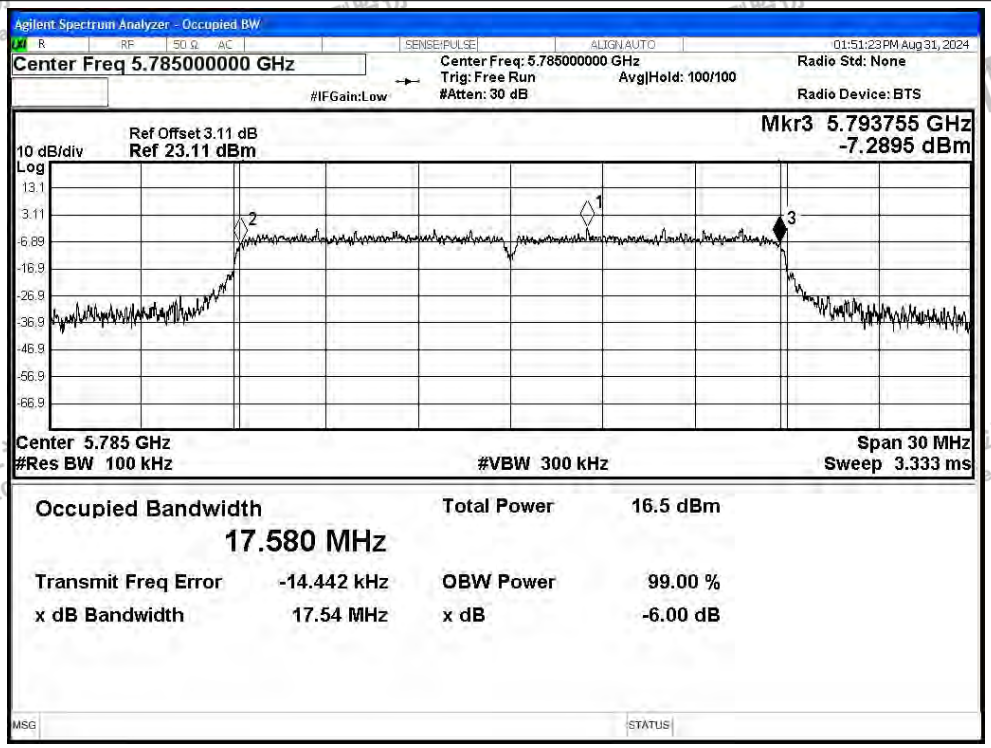
-6dB Bandwidth NVNT a 5825MHz Ant2



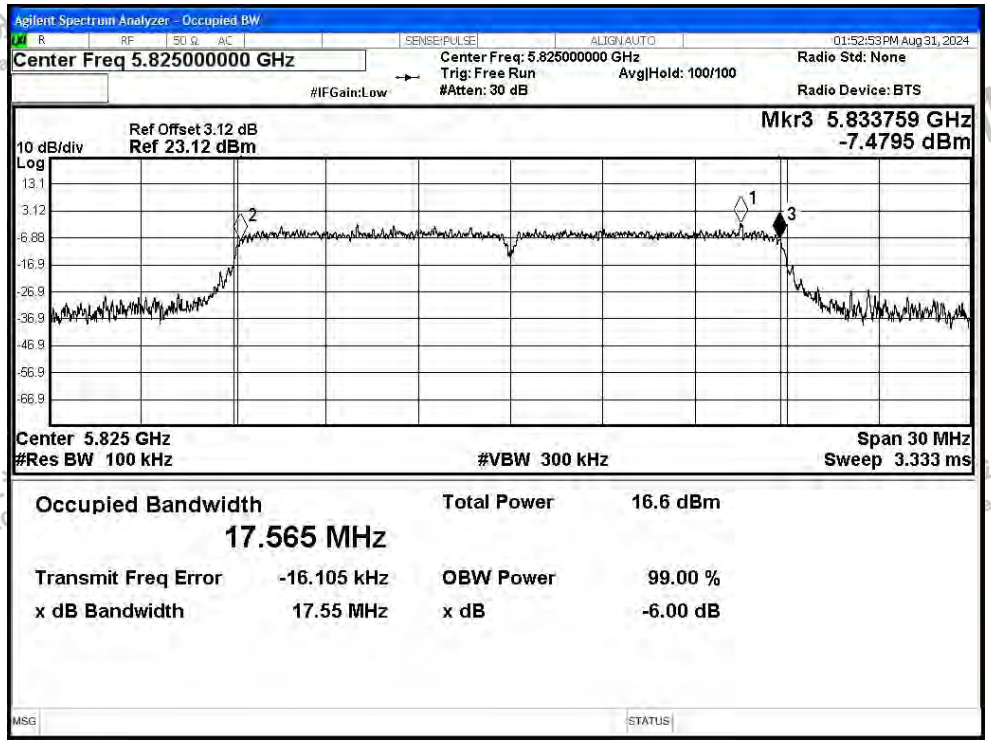

-6dB Bandwidth NVNT n20 5745MHz Ant2



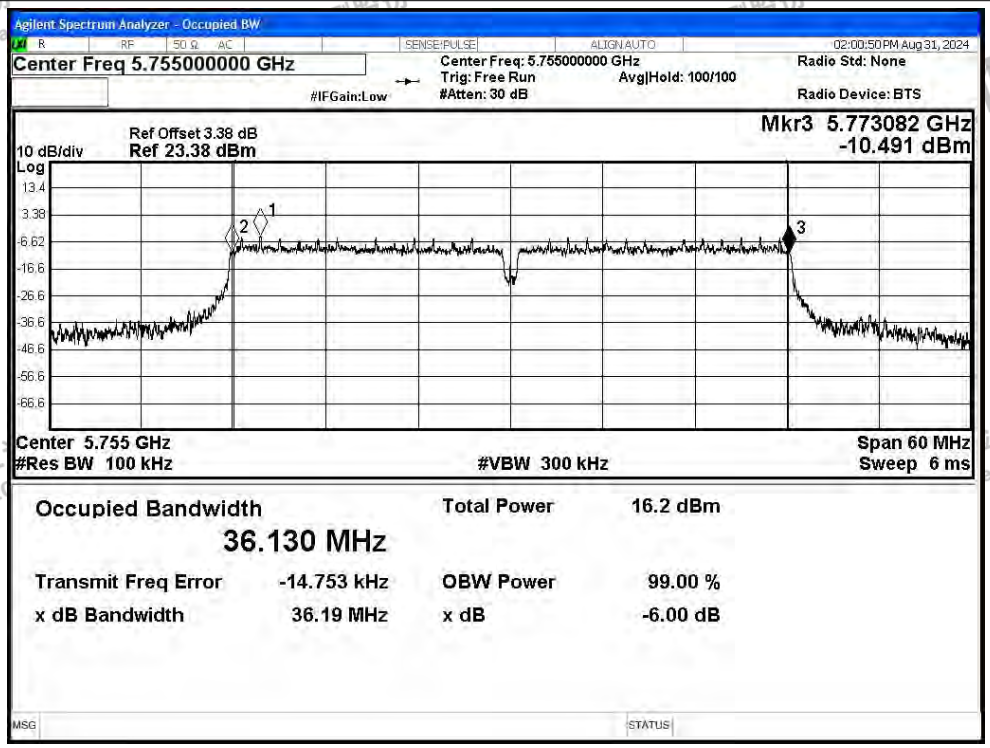
-6dB Bandwidth NVNT n20 5785MHz Ant2



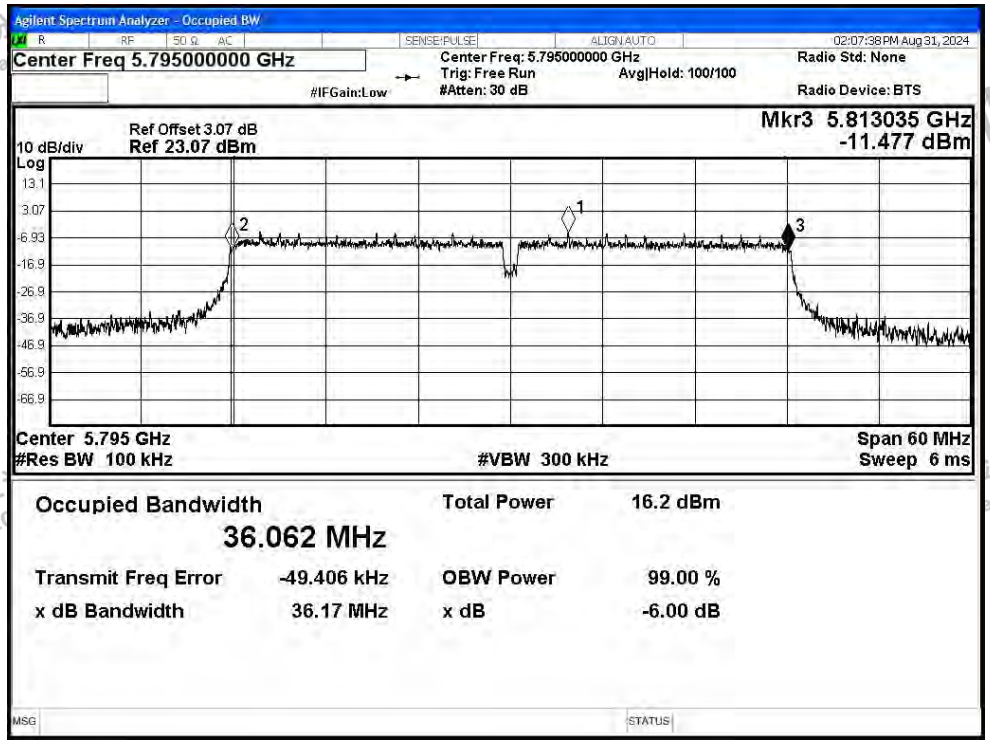

-6dB Bandwidth NVNT n20 5825MHz Ant2



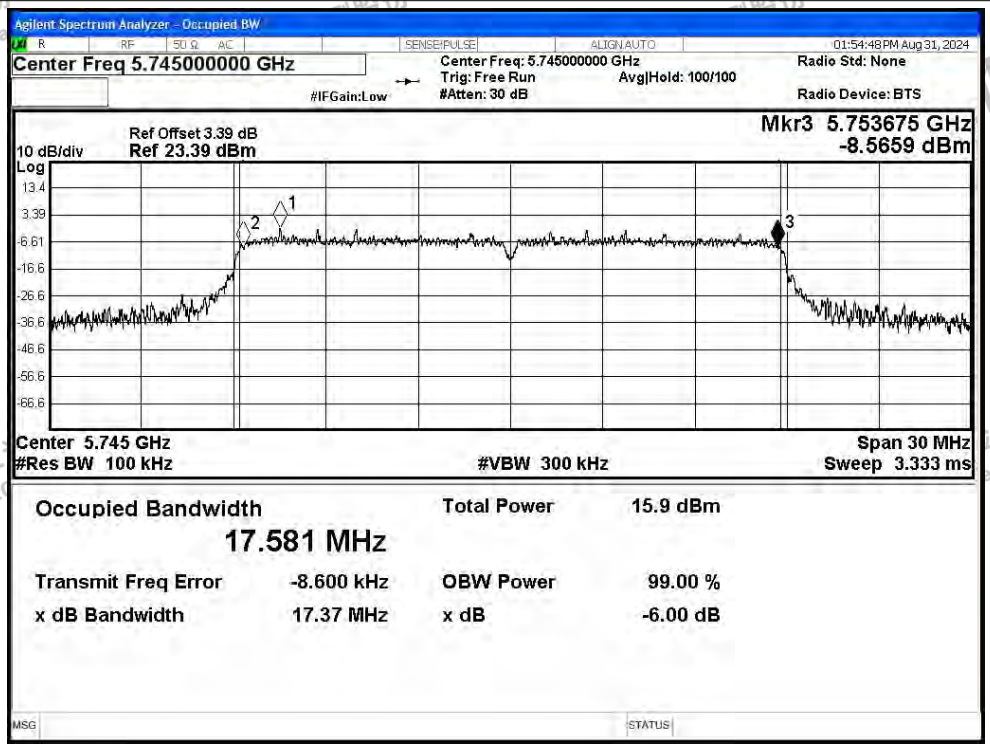
-6dB Bandwidth NVNT n40 5755MHz Ant2



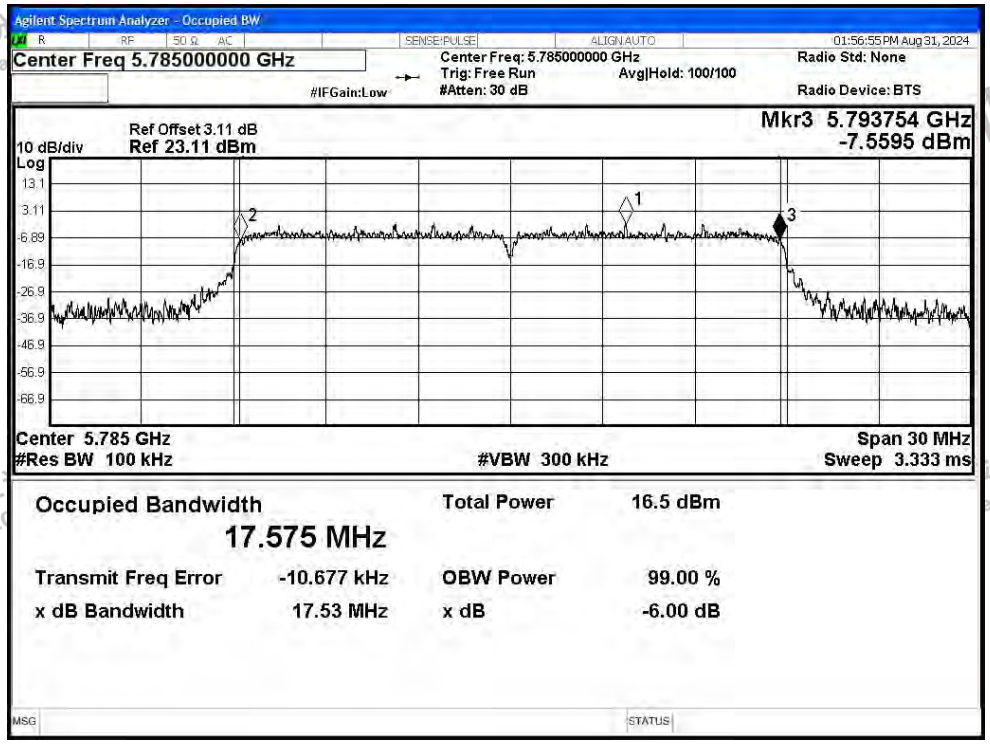

-6dB Bandwidth NVNT n40 5795MHz Ant2



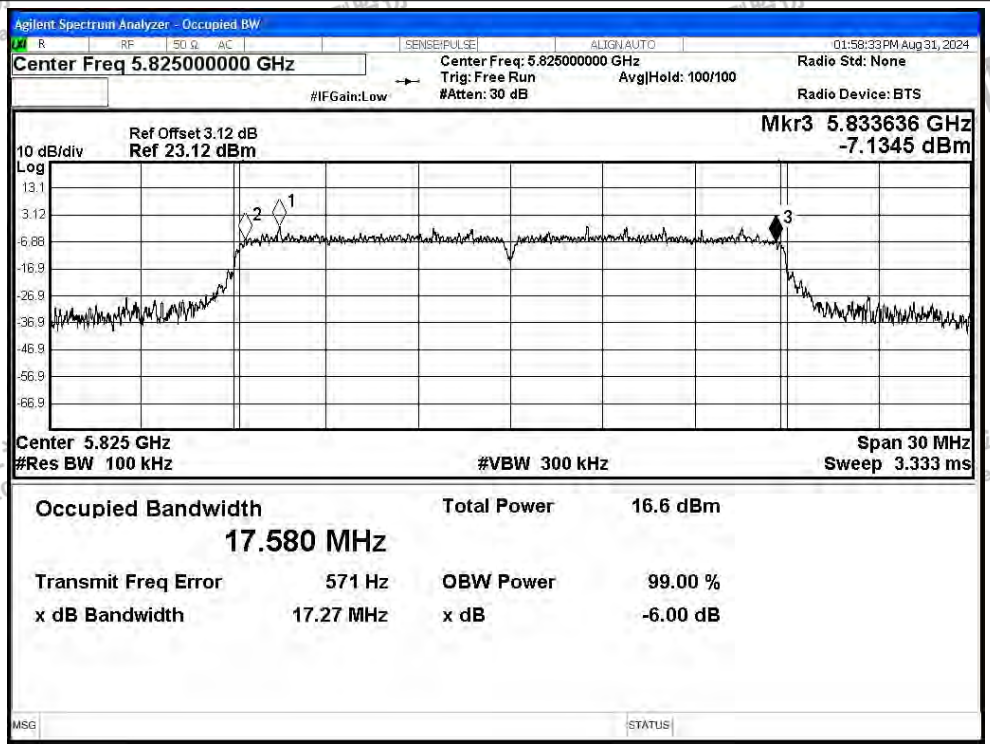
-6dB Bandwidth NVNT ac20 5745MHz Ant2



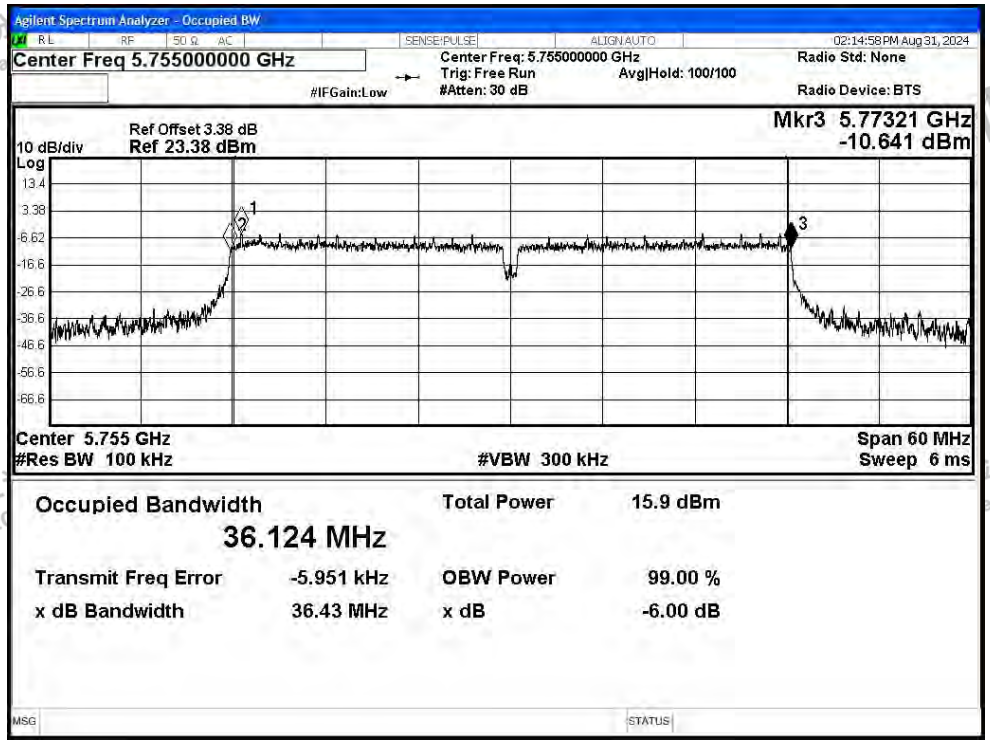

-6dB Bandwidth NVNT ac20 5785MHz Ant2



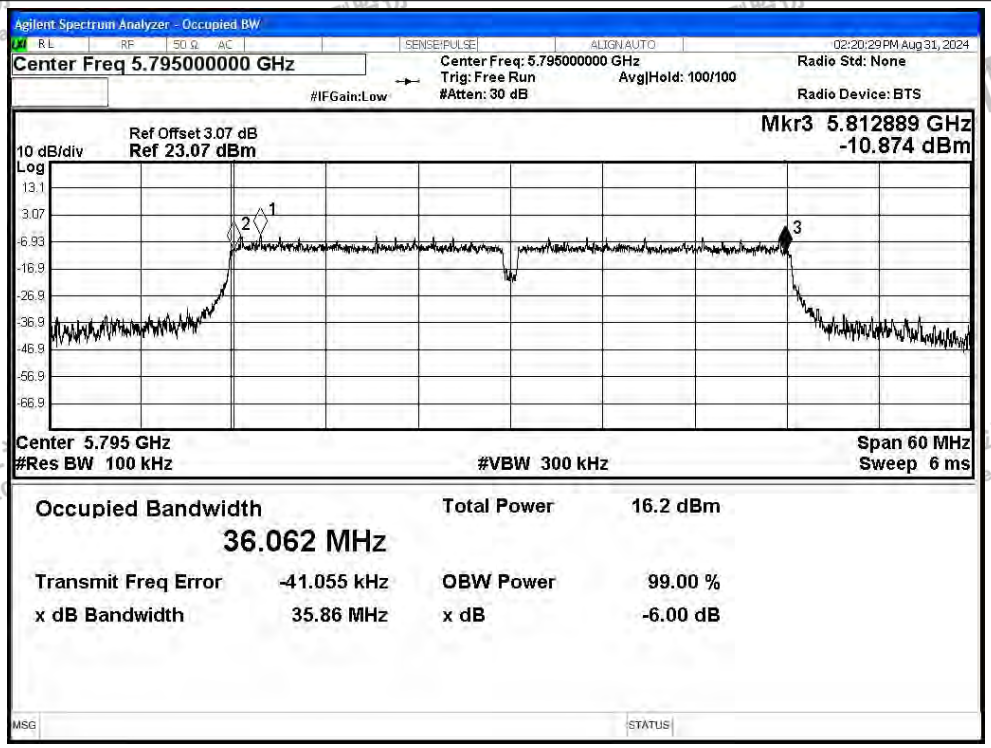
-6dB Bandwidth NVNT ac20 5825MHz Ant2



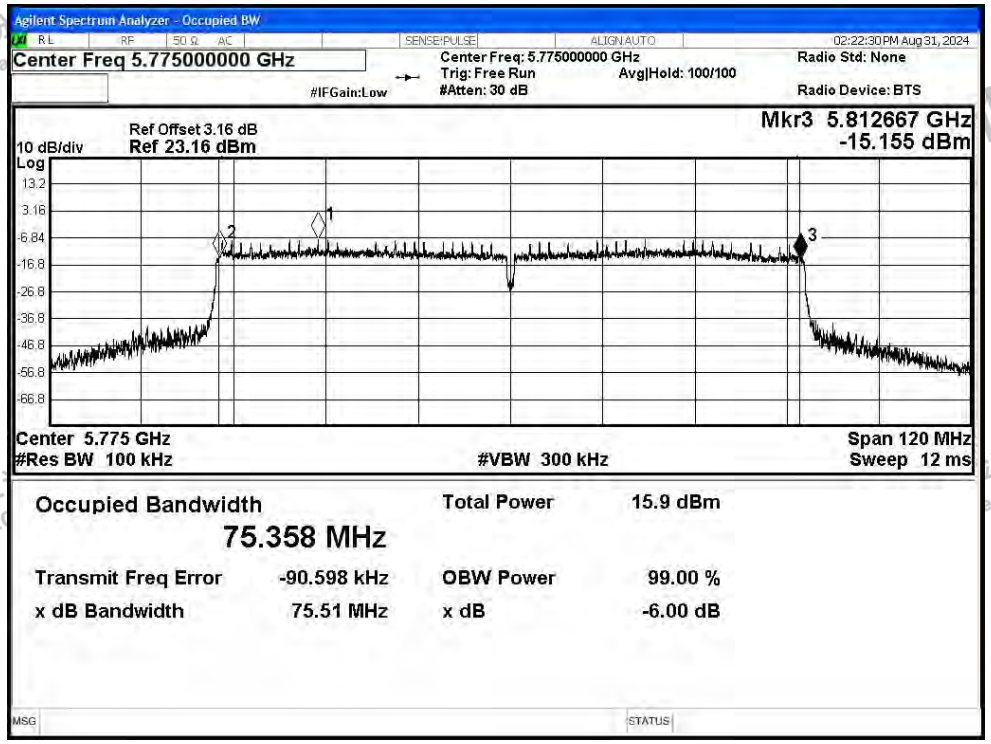

-6dB Bandwidth NVNT ac40 5755MHz Ant2



-6dB Bandwidth NVNT ac40 5795MHz Ant2




-6dB Bandwidth NVNT ac80 5775MHz Ant2



## C.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | 12.9 | 0.34 | 13.24 | 30 | Pass |
| NVNT | a | 5785 | Ant1 | 12.56 | 0.28 | 12.84 | 30 | Pass |
| NVNT | a | 5825 | Ant1 | 12.05 | 0.28 | 12.33 | 30 | Pass |
| NVNT | n20 | 5745 | Ant1 | 11.36 | 0.32 | 11.68 | 30 | Pass |
| NVNT | n20 | 5785 | Ant1 | 11.03 | 0.32 | 11.35 | 30 | Pass |
| NVNT | n20 | 5825 | Ant1 | 11.41 | 0.32 | 11.73 | 30 | Pass |
| NVNT | n40 | 5755 | Ant1 | 10.63 | 0.51 | 11.14 | 30 | Pass |
| NVNT | n40 | 5795 | Ant1 | 10.33 | 0.51 | 10.84 | 30 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 11.23 | 0.32 | 11.55 | 30 | Pass |
| NVNT | ac20 | 5785 | Ant1 | 11.05 | 0.32 | 11.37 | 30 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 11.44 | 0.32 | 11.76 | 30 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 10.61 | 0.51 | 11.12 | 30 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 10.29 | 0.57 | 10.86 | 30 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 9.7 | 0.85 | 10.55 | 30 | Pass |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant2 | 11.29 | 0.28 | 11.57 | 30 | Pass |
| NVNT | a | 5785 | Ant2 | 11.63 | 0.28 | 11.91 | 30 | Pass |
| NVNT | a | 5825 | Ant2 | 11.73 | 0.28 | 12.01 | 30 | Pass |
| NVNT | n20 | 5745 | Ant2 | 10.44 | 0.32 | 10.76 | 30 | Pass |
| NVNT | n20 | 5785 | Ant2 | 10.04 | 0.32 | 10.36 | 30 | Pass |
| NVNT | n20 | 5825 | Ant2 | 10.18 | 0.32 | 10.5 | 30 | Pass |
| NVNT | n40 | 5755 | Ant2 | 9.81 | 0.92 | 10.73 | 30 | Pass |
| NVNT | n40 | 5795 | Ant2 | 9.27 | 0.51 | 9.78 | 30 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 10.41 | 0.32 | 10.73 | 30 | Pass |
| NVNT | ac20 | 5785 | Ant2 | 10.04 | 0.32 | 10.36 | 30 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 10.12 | 0.32 | 10.44 | 30 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 9.13 | 0.5 | 9.63 | 30 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 9.33 | 0.5 | 9.83 | 30 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 8.33 | 0.69 | 9.02 | 30 | Pass |

MIMO

| Condition | Mode | Frequency (MHz) | Conducted Power (dBm) | | | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| | | | Ant1 | Ant2 | Ant1+Ant2 | | |
| NVNT | n20 | 5745 | 11.68 | 10.76 | 14.25 | 30 | Pass |
| NVNT | n20 | 5785 | 11.35 | 10.36 | 13.89 | 30 | Pass |
| NVNT | n20 | 5825 | 11.73 | 10.5 | 14.17 | 30 | Pass |
| NVNT | n40 | 5755 | 11.14 | 10.73 | 13.95 | 30 | Pass |
| NVNT | n40 | 5795 | 10.84 | 9.78 | 13.35 | 30 | Pass |
| NVNT | ac20 | 5745 | 11.55 | 10.73 | 14.17 | 30 | Pass |
| NVNT | ac20 | 5785 | 11.37 | 10.36 | 13.90 | 30 | Pass |
| NVNT | ac20 | 5825 | 11.76 | 10.44 | 14.16 | 30 | Pass |
| NVNT | ac40 | 5755 | 11.12 | 9.63 | 13.45 | 30 | Pass |
| NVNT | ac40 | 5795 | 10.86 | 9.83 | 13.39 | 30 | Pass |
| NVNT | ac80 | 5775 | 10.55 | 9.02 | 12.86 | 30 | Pass |

# C.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/500KHz) | Duty Factor (dB) | Total PSD (dBm/500KHz) | Limit (dBm/500KHz) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | -1.74 | 0.34 | -1.4 | 30 | Pass |
| NVNT | a | 5785 | Ant1 | -0.93 | 0.28 | -0.65 | 30 | Pass |
| NVNT | a | 5825 | Ant1 | -1.32 | 0.28 | -1.04 | 30 | Pass |
| NVNT | n20 | 5745 | Ant1 | -2.46 | 0.32 | -2.14 | 30 | Pass |
| NVNT | n20 | 5785 | Ant1 | -2.78 | 0.32 | -2.46 | 30 | Pass |
| NVNT | n20 | 5825 | Ant1 | -2.52 | 0.32 | -2.2 | 30 | Pass |
| NVNT | n40 | 5755 | Ant1 | -5.78 | 0.51 | -5.27 | 30 | Pass |
| NVNT | n40 | 5795 | Ant1 | -5.81 | 0.51 | -5.3 | 30 | Pass |
| NVNT | ac20 | 5745 | Ant1 | -2.33 | 0.32 | -2.01 | 30 | Pass |
| NVNT | ac20 | 5785 | Ant1 | -2.72 | 0.32 | -2.4 | 30 | Pass |
| NVNT | ac20 | 5825 | Ant1 | -2.37 | 0.32 | -2.05 | 30 | Pass |
| NVNT | ac40 | 5755 | Ant1 | -6 | 0.51 | -5.49 | 30 | Pass |
| NVNT | ac40 | 5795 | Ant1 | -5.55 | 0.57 | -4.98 | 30 | Pass |
| NVNT | ac80 | 5775 | Ant1 | -8.74 | 0.85 | -7.89 | 30 | Pass |

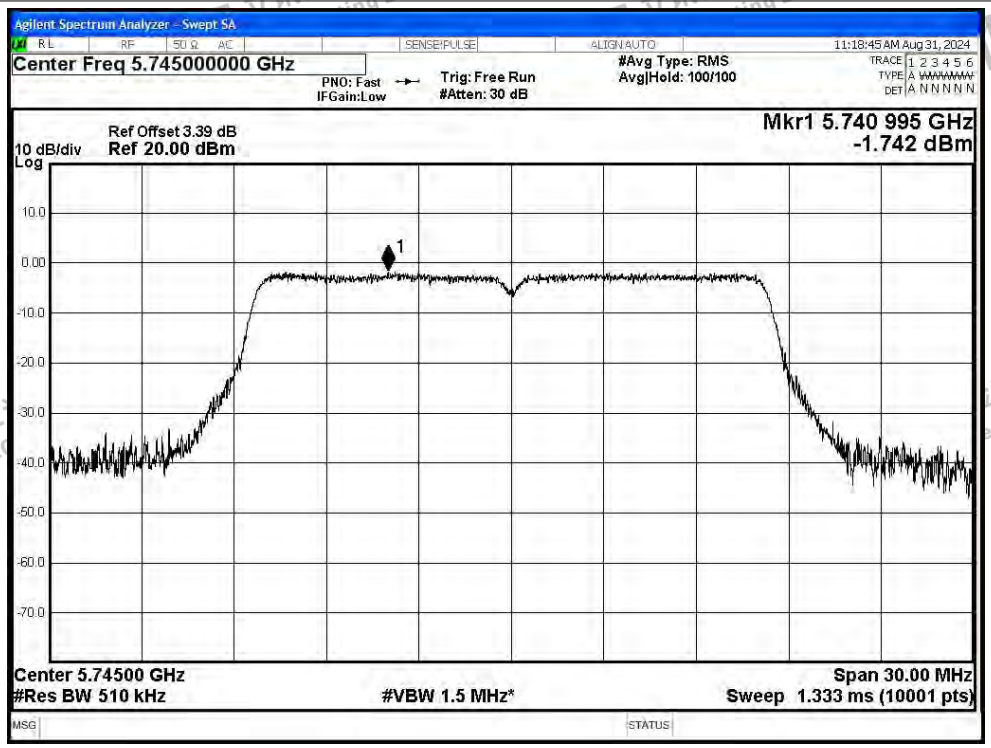
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/500KHz) | Duty Factor (dB) | Total PSD (dBm/500KHz) | Limit (dBm/500KHz) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant2 | -2.72 | 0.28 | -2.44 | 30 | Pass |
| NVNT | a | 5785 | Ant2 | -1.82 | 0.28 | -1.54 | 30 | Pass |
| NVNT | a | 5825 | Ant2 | -1.71 | 0.28 | -1.43 | 30 | Pass |
| NVNT | n20 | 5745 | Ant2 | -3.26 | 0.32 | -2.94 | 30 | Pass |
| NVNT | n20 | 5785 | Ant2 | -3.74 | 0.32 | -3.42 | 30 | Pass |
| NVNT | n20 | 5825 | Ant2 | -3.57 | 0.32 | -3.25 | 30 | Pass |
| NVNT | n40 | 5755 | Ant2 | -7.8 | 0.92 | -6.88 | 30 | Pass |
| NVNT | n40 | 5795 | Ant2 | -7.22 | 0.51 | -6.71 | 30 | Pass |
| NVNT | ac20 | 5745 | Ant2 | -4.34 | 0.32 | -4.02 | 30 | Pass |
| NVNT | ac20 | 5785 | Ant2 | -3.8 | 0.32 | -3.48 | 30 | Pass |
| NVNT | ac20 | 5825 | Ant2 | -3.51 | 0.32 | -3.19 | 30 | Pass |
| NVNT | ac40 | 5755 | Ant2 | -7.31 | 0.5 | -6.81 | 30 | Pass |
| NVNT | ac40 | 5795 | Ant2 | -7.28 | 0.5 | -6.78 | 30 | Pass |
| NVNT | ac80 | 5775 | Ant2 | -10.95 | 0.69 | -10.26 | 30 | Pass |

MIMO

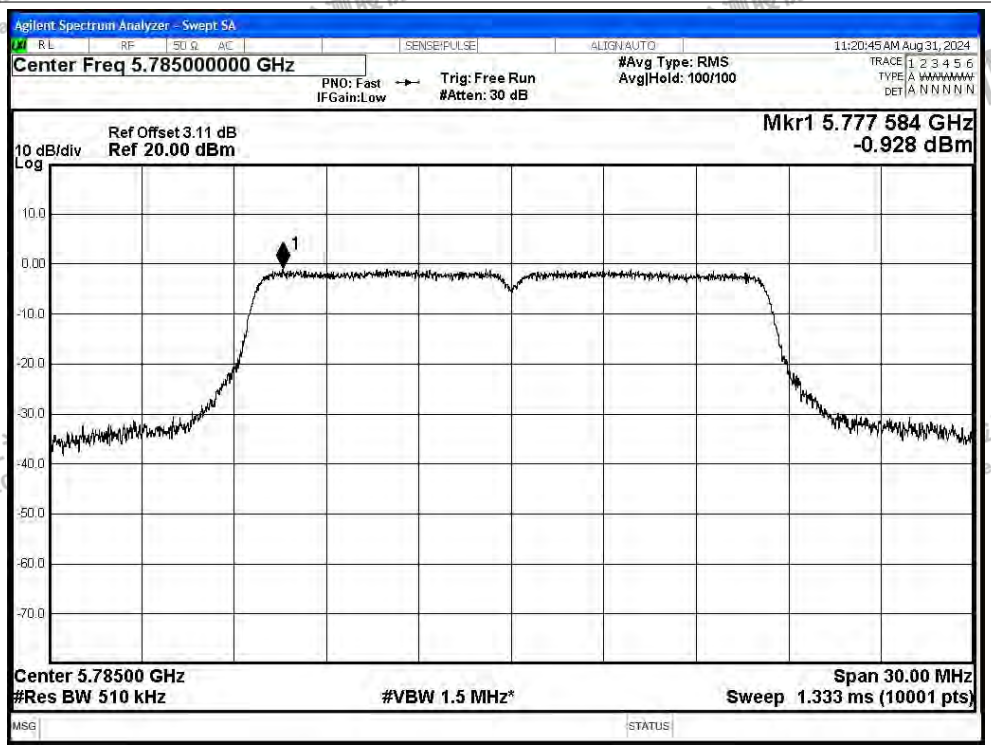
| Condition | Mode | Frequency (MHz) | Total PSD (dBm/500KHz) | | | Limit (dBm/500KHz) | Verdict |
|---|---|---|---|---|---|---|---|
| | | | Ant1 | Ant2 | Ant1+Ant2 | | |
| NVNT | n20 | 5745 | -2.14 | -2.94 | 0.49 | 29.9 | Pass |
| NVNT | n20 | 5785 | -2.46 | -3.42 | 0.10 | 29.9 | Pass |
| NVNT | n20 | 5825 | -2.2 | -3.25 | 0.32 | 29.9 | Pass |
| NVNT | n40 | 5755 | -5.27 | -6.88 | -2.99 | 29.9 | Pass |
| NVNT | n40 | 5795 | -5.3 | -6.71 | -2.94 | 29.9 | Pass |
| NVNT | ac20 | 5745 | -2.01 | -4.02 | 0.11 | 29.9 | Pass |
| NVNT | ac20 | 5785 | -2.4 | -3.48 | 0.10 | 29.9 | Pass |
| NVNT | ac20 | 5825 | -2.05 | -3.19 | 0.43 | 29.9 | Pass |
| NVNT | ac40 | 5755 | -5.49 | -6.81 | -3.09 | 29.9 | Pass |
| NVNT | ac40 | 5795 | -4.98 | -6.78 | -2.78 | 29.9 | Pass |
| NVNT | ac80 | 5775 | -7.89 | -10.26 | -5.90 | 29.9 | Pass |

Test Graphs

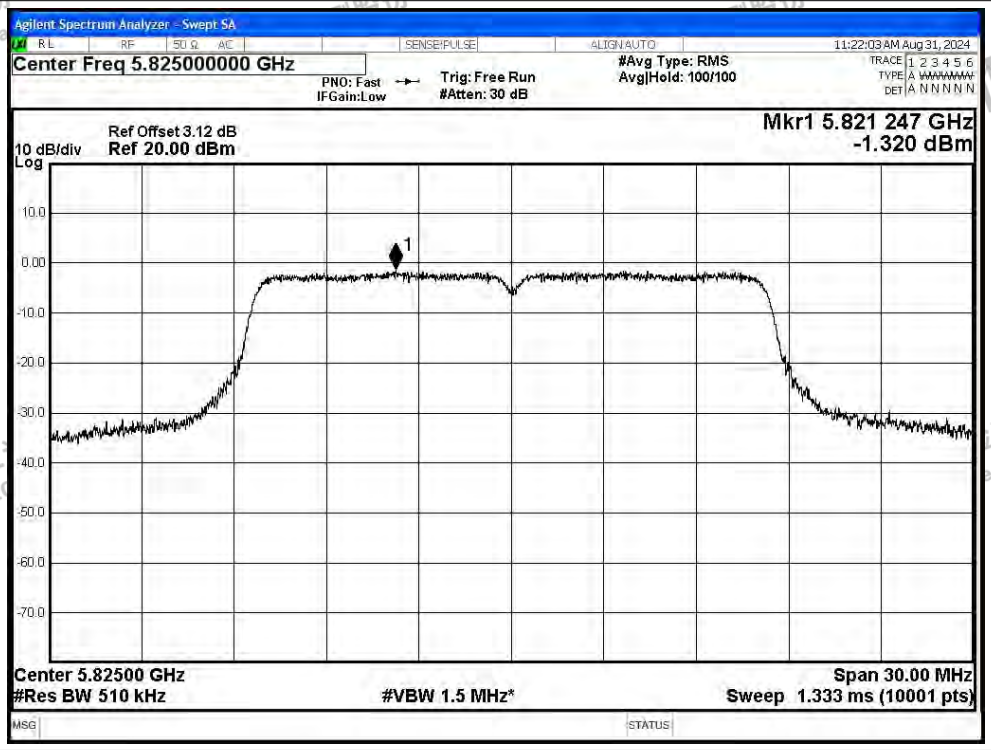
PSD NVNT a 5745MHz Ant1



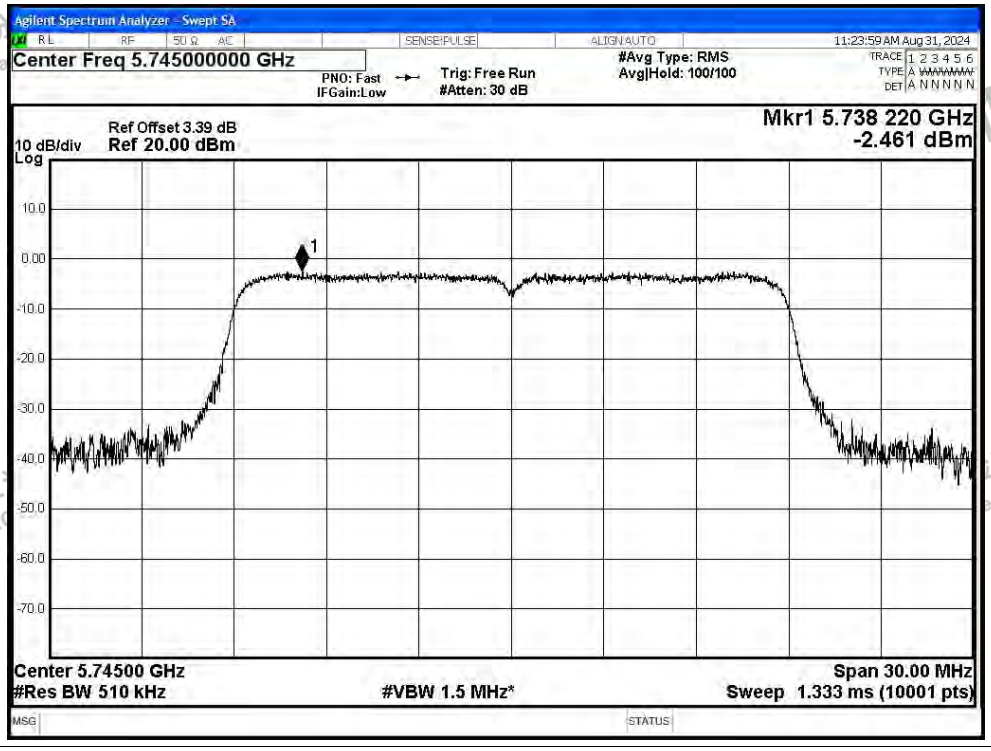

PSD NVNT a 5785MHz Ant1



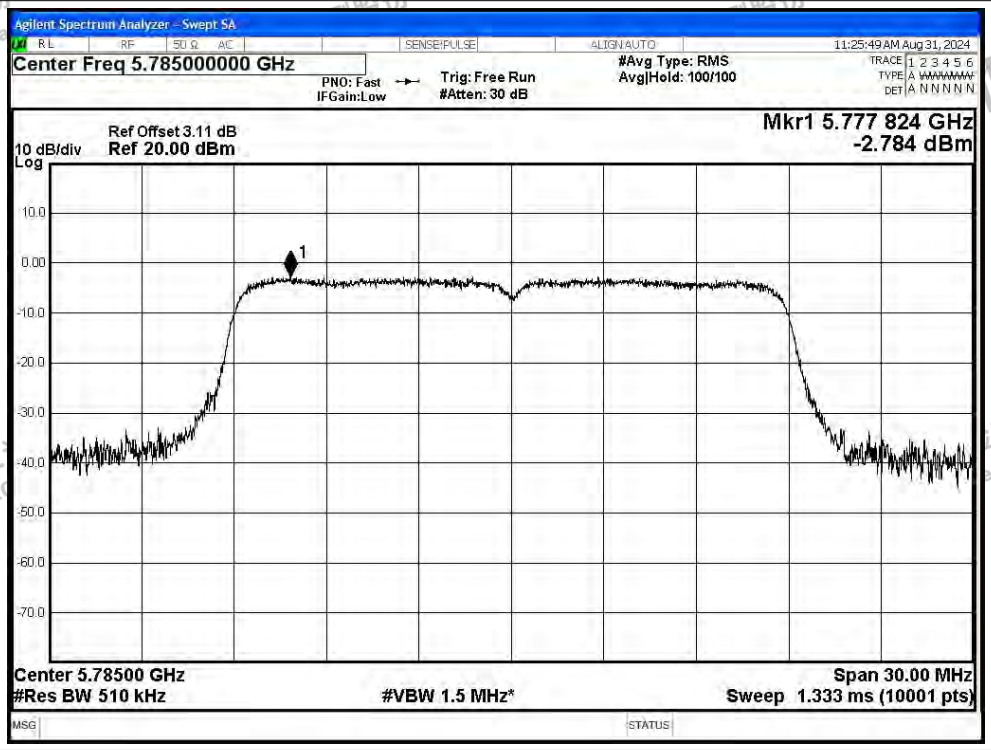
PSD NVNT a 5825MHz Ant1



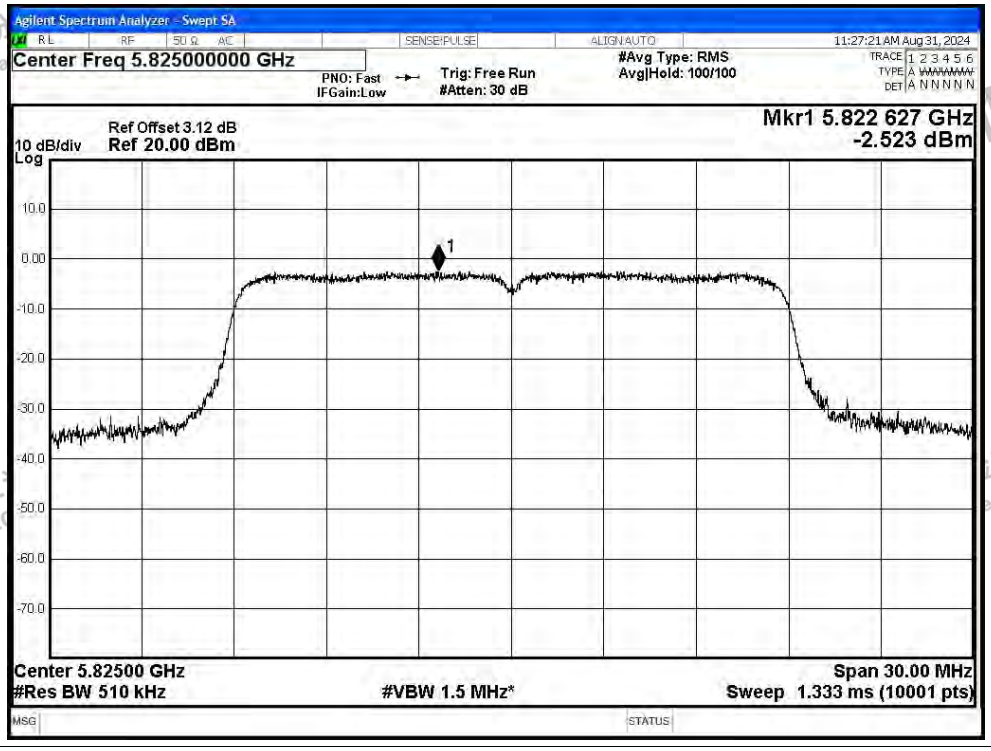

PSD NVNT n20 5745MHz Ant1



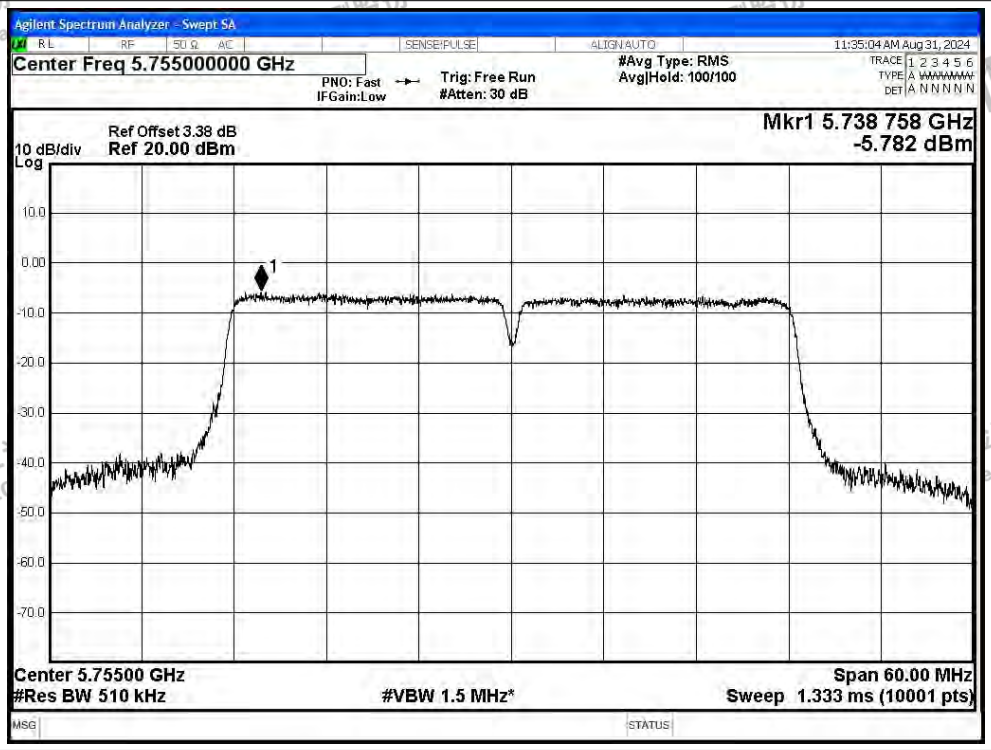
PSD NVNT n20 5785MHz Ant1



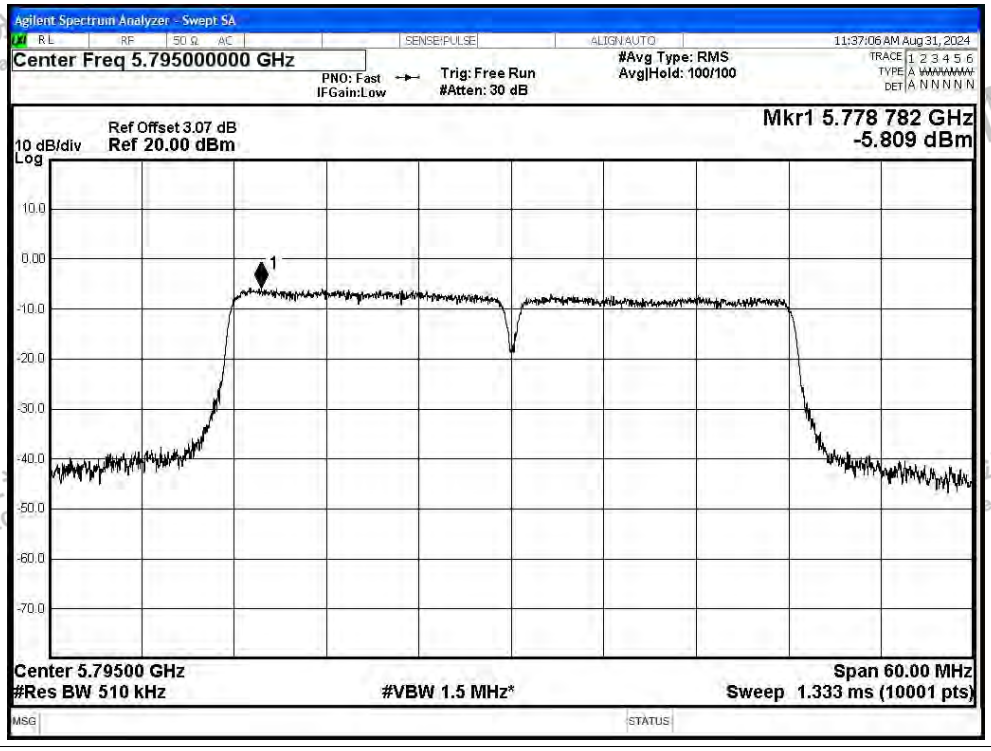

PSD NVNT n20 5825MHz Ant1



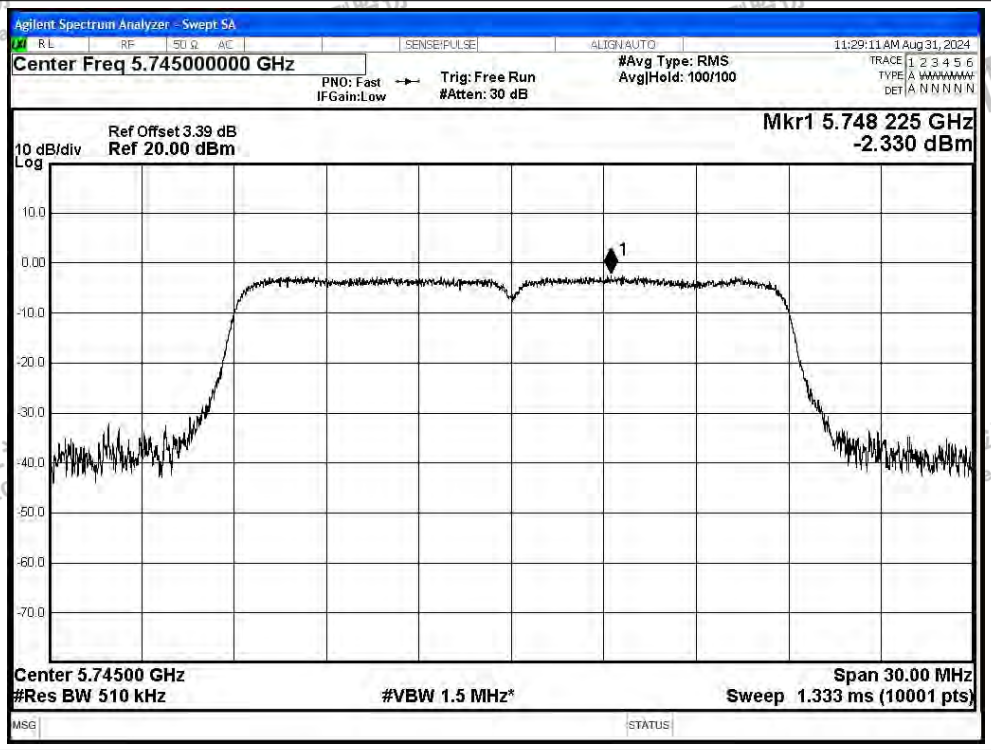
PSD NVNT n40 5755MHz Ant1



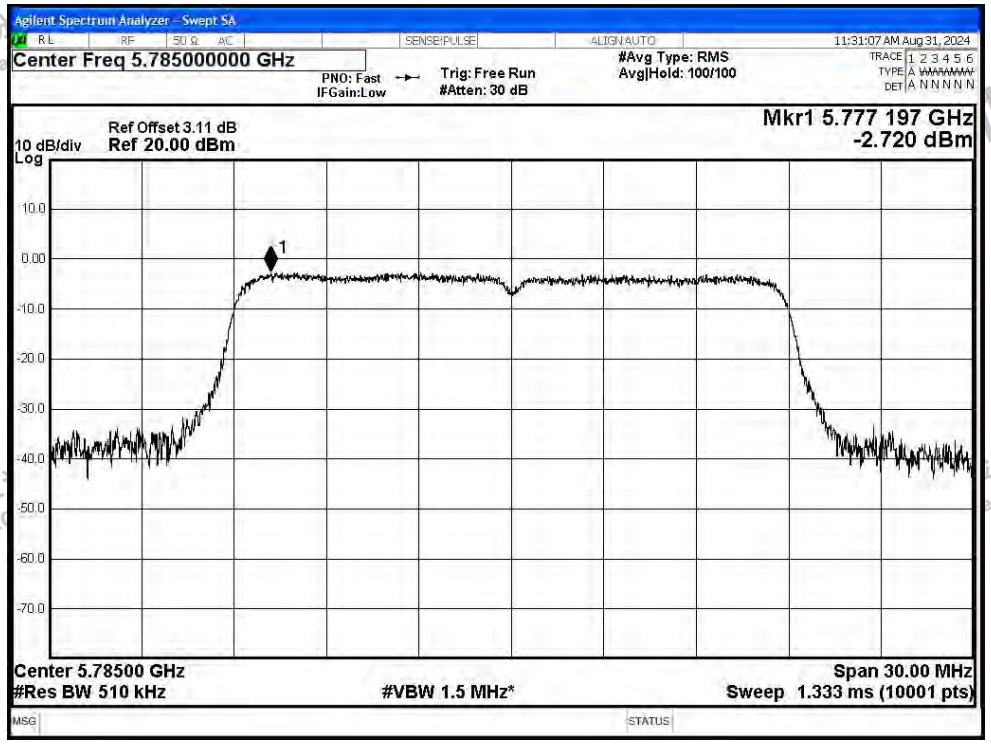

PSD NVNT n40 5795MHz Ant1



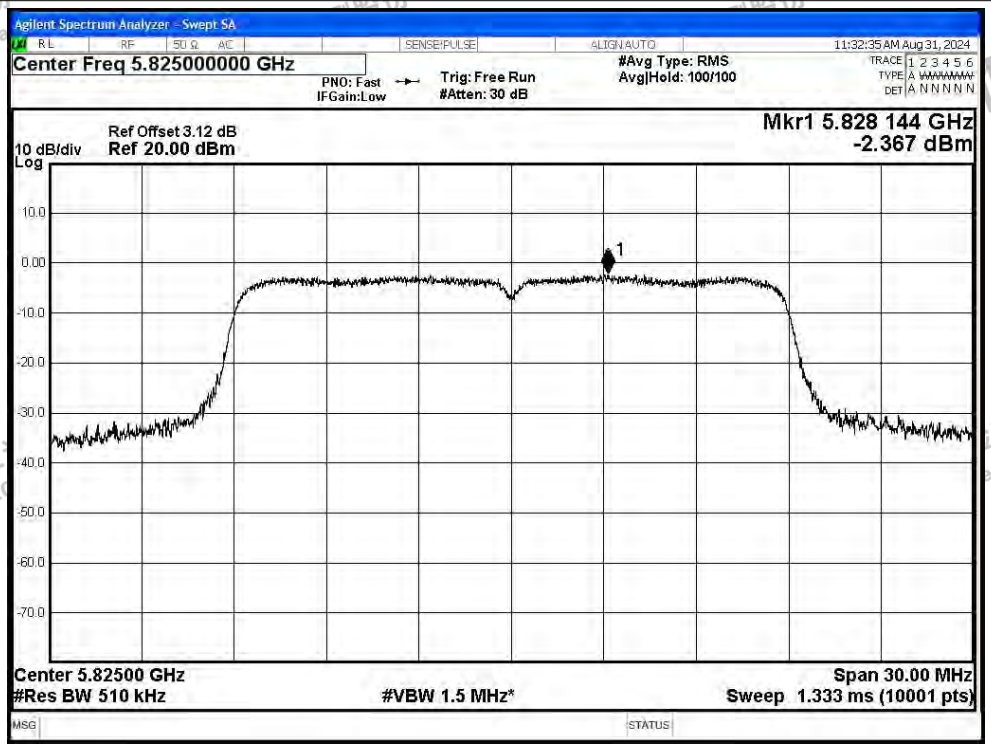
PSD NVNT ac20 5745MHz Ant1



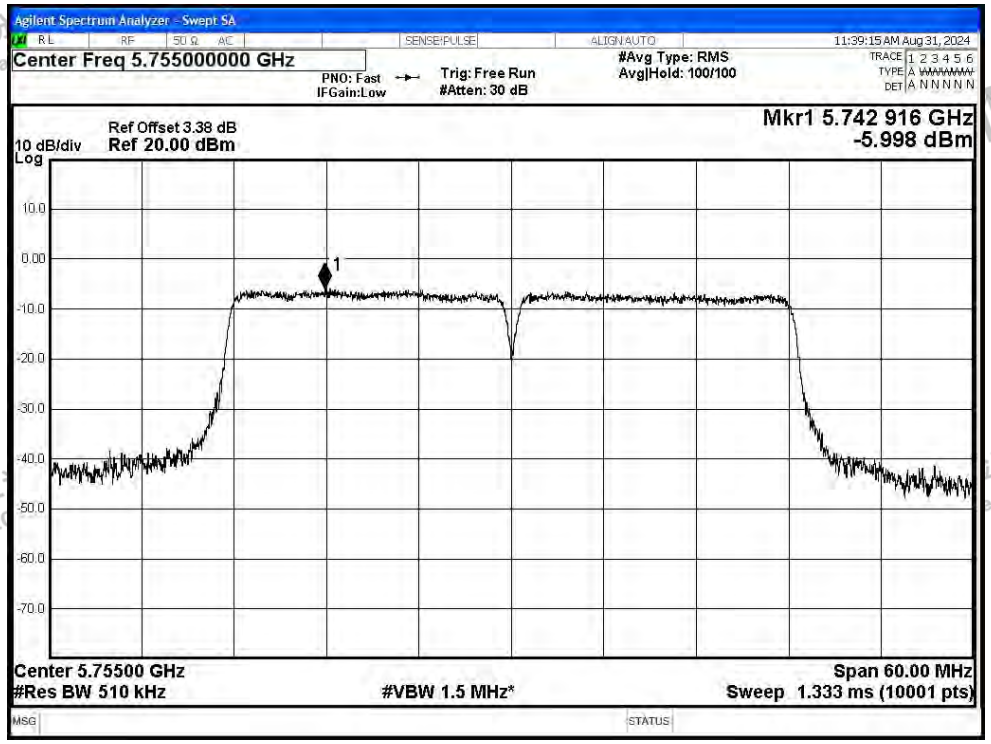

PSD NVNT ac20 5785MHz Ant1



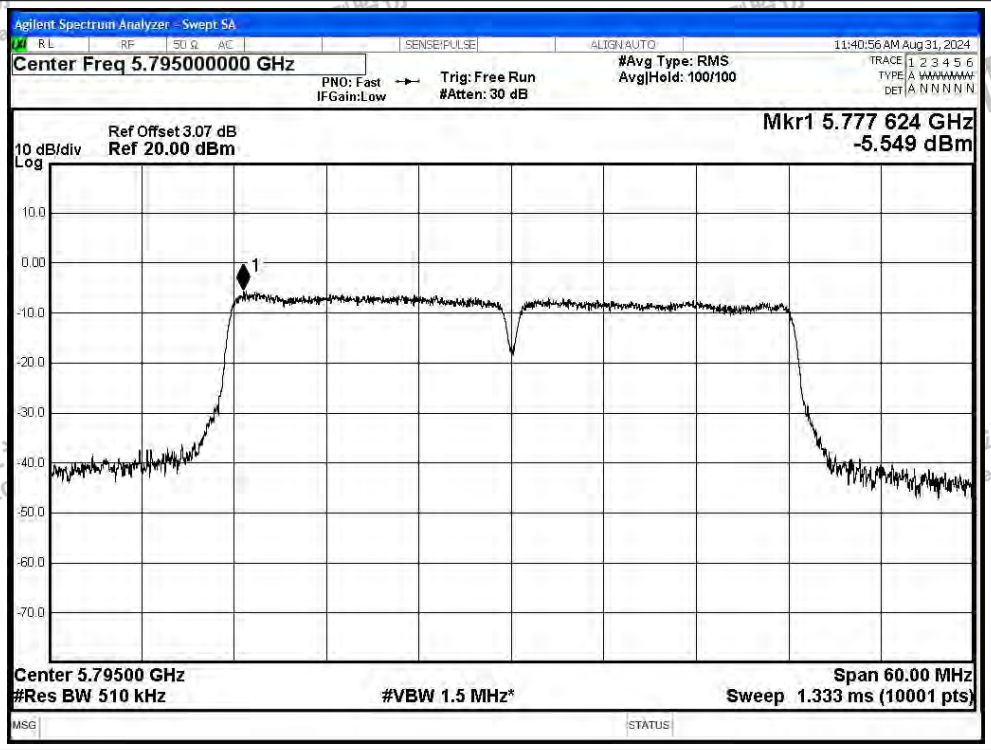
PSD NVNT ac20 5825MHz Ant1



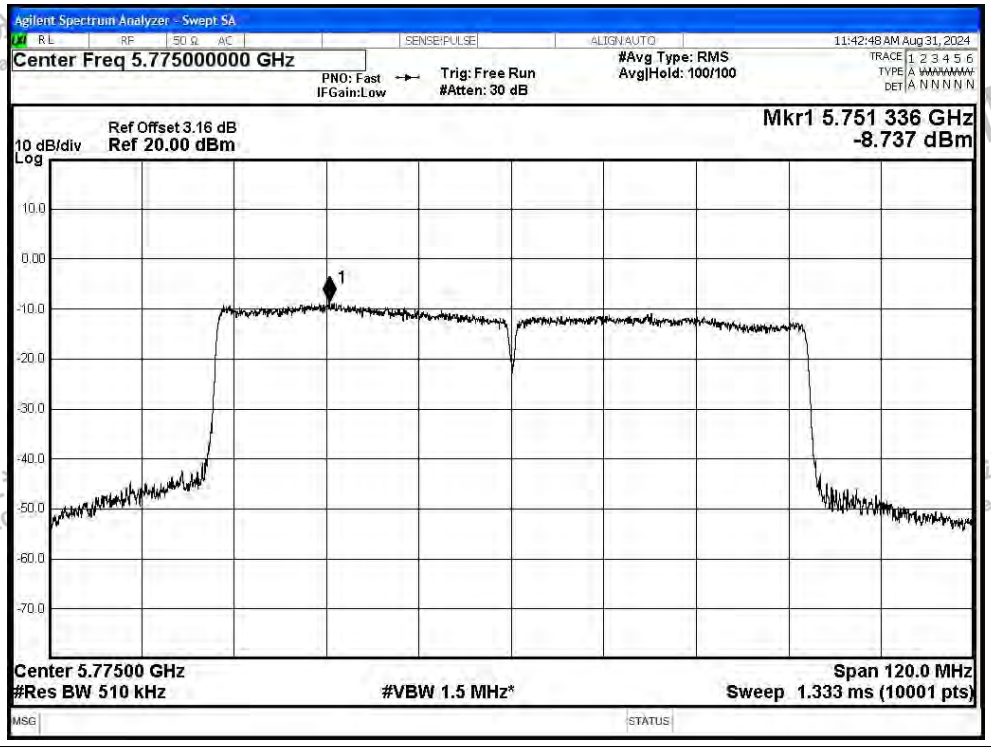

PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1




PSD NVNT ac80 5775MHz Ant1



## C.4 Restrict Band

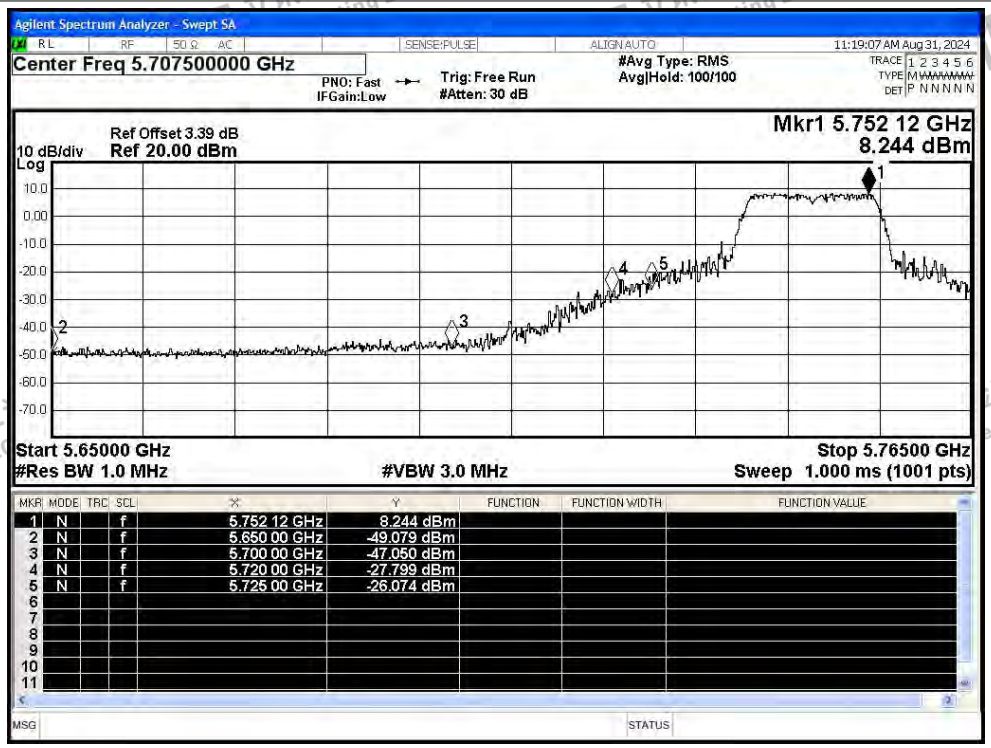
| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | EIRP Power (dBm) | Detector | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | 5650 | -49.08 | 3 | - | -46.08 | Peak | -27 | Pass |
| NVNT | a | 5745 | Ant1 | 5650 | -57.39 | 3 | 0.34 | -54.05 | Average | -27 | Pass |
| NVNT | a | 5745 | Ant1 | 5700 | -47.05 | 3 | - | -44.05 | Peak | 10 | Pass |
| NVNT | a | 5745 | Ant1 | 5700 | -54.5 | 3 | 0.34 | -51.16 | Average | 10 | Pass |
| NVNT | a | 5745 | Ant1 | 5720 | -27.8 | 3 | - | -24.80 | Peak | 15.6 | Pass |
| NVNT | a | 5745 | Ant1 | 5720 | -43.11 | 3 | 0.34 | -39.77 | Average | 15.6 | Pass |
| NVNT | a | 5745 | Ant1 | 5725 | -26.07 | 3 | - | -23.07 | Peak | 27 | Pass |
| NVNT | a | 5745 | Ant1 | 5725 | -39.98 | 3 | 0.34 | -36.64 | Average | 27 | Pass |
| NVNT | a | 5825 | Ant1 | 5850 | -37.06 | 3 | - | -34.06 | Peak | 27 | Pass |
| NVNT | a | 5825 | Ant1 | 5850 | -51.35 | 3 | 0.28 | -48.07 | Average | 27 | Pass |
| NVNT | a | 5825 | Ant1 | 5855 | -45.57 | 3 | - | -42.57 | Peak | 15.6 | Pass |
| NVNT | a | 5825 | Ant1 | 5855 | -53.95 | 3 | 0.28 | -50.67 | Average | 15.6 | Pass |
| NVNT | a | 5825 | Ant1 | 5875 | -47.99 | 3 | - | -44.99 | Peak | 10 | Pass |
| NVNT | a | 5825 | Ant1 | 5875 | -56.04 | 3 | 0.28 | -52.76 | Average | 10 | Pass |
| NVNT | a | 5825 | Ant1 | 5925 | -49.62 | 3 | - | -46.62 | Peak | -27 | Pass |
| NVNT | a | 5825 | Ant1 | 5925 | -56.76 | 3 | 0.28 | -53.48 | Average | -27 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5650 | -48.72 | 3 | - | -45.72 | Peak | -27 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5650 | -57.37 | 3 | 0.32 | -54.05 | Average | -27 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5700 | -46.21 | 3 | - | -43.21 | Peak | 10 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5700 | -55.2 | 3 | 0.32 | -51.88 | Average | 10 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5720 | -23.66 | 3 | - | -20.66 | Peak | 15.6 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5720 | -44.67 | 3 | 0.32 | -41.35 | Average | 15.6 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5725 | -24.51 | 3 | - | -21.51 | Peak | 27 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5725 | -40.95 | 3 | 0.32 | -37.63 | Average | 27 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5850 | -33.59 | 3 | - | -30.59 | Peak | 27 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5850 | -48.16 | 3 | 0.32 | -44.84 | Average | 27 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5855 | -42.39 | 3 | - | -39.39 | Peak | 15.6 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5855 | -53.97 | 3 | 0.32 | -50.65 | Average | 15.6 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5875 | -47.29 | 3 | - | -44.29 | Peak | 10 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5875 | -55.54 | 3 | 0.32 | -52.22 | Average | 10 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5925 | -47.84 | 3 | - | -44.84 | Peak | -27 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5925 | -56.97 | 3 | 0.32 | -53.65 | Average | -27 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5650 | -48.11 | 3 | - | -45.11 | Peak | -27 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5650 | -57.64 | 3 | 0.51 | -54.13 | Average | -27 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5700 | -44.51 | 3 | - | -41.51 | Peak | 10 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5700 | -53.55 | 3 | 0.51 | -50.04 | Average | 10 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5720 | -31.83 | 3 | - | -28.83 | Peak | 15.6 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5720 | -44.88 | 3 | 0.51 | -41.37 | Average | 15.6 | Pass |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | n40 | 5755 | Ant1 | 5725 | -24.13 | 3 | - | -21.13 | Peak | 27 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5725 | -39.81 | 3 | 0.51 | -36.30 | Average | 27 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5850 | -47.93 | 3 | - | -44.93 | Peak | 27 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5850 | -55.68 | 3 | 0.51 | -52.17 | Average | 27 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5855 | -47.92 | 3 | - | -44.92 | Peak | 15.6 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5855 | -56.54 | 3 | 0.51 | -53.03 | Average | 15.6 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5875 | -49.83 | 3 | - | -46.83 | Peak | 10 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5875 | -57.75 | 3 | 0.51 | -54.24 | Average | 10 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5925 | -50.02 | 3 | - | -47.02 | Peak | -27 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5925 | -57.71 | 3 | 0.51 | -54.20 | Average | -27 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -49.03 | 3 | - | -46.03 | Peak | -27 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -56.6 | 3 | 0.32 | -53.28 | Average | -27 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -46.79 | 3 | - | -43.79 | Peak | 10 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -55.69 | 3 | 0.32 | -52.37 | Average | 10 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -28 | 3 | - | -25.00 | Peak | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -43.47 | 3 | 0.32 | -40.15 | Average | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -21.92 | 3 | - | -18.92 | Peak | 27 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -39.46 | 3 | 0.32 | -36.14 | Average | 27 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -34.95 | 3 | - | -31.95 | Peak | 27 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -47.66 | 3 | 0.32 | -44.34 | Average | 27 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -44.55 | 3 | - | -41.55 | Peak | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -53.02 | 3 | 0.32 | -49.70 | Average | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -49.03 | 3 | - | -46.03 | Peak | 10 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -55.93 | 3 | 0.32 | -52.61 | Average | 10 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -48.89 | 3 | - | -45.89 | Peak | -27 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -56.61 | 3 | 0.32 | -53.29 | Average | -27 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -49.28 | 3 | - | -46.28 | Peak | -27 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -56.72 | 3 | 0.51 | -53.21 | Average | -27 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -45.32 | 3 | - | -42.32 | Peak | 10 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -54.57 | 3 | 0.51 | -51.06 | Average | 10 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -24.04 | 3 | - | -21.04 | Peak | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -44.23 | 3 | 0.51 | -40.72 | Average | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -26.22 | 3 | - | -23.22 | Peak | 27 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -41.12 | 3 | 0.51 | -37.61 | Average | 27 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -48.7 | 3 | - | -45.70 | Peak | 27 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -55.19 | 3 | 0.57 | -51.62 | Average | 27 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -47.93 | 3 | - | -44.93 | Peak | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -56.09 | 3 | 0.57 | -52.52 | Average | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5875 | -50.37 | 3 | - | -47.37 | Peak | 10 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5875 | -57.51 | 3 | 0.57 | -53.94 | Average | 10 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -50.31 | 3 | - | -47.31 | Peak | -27 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -57.41 | 3 | 0.57 | -53.84 | Average | -27 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5650 | -45.96 | 3 | - | -42.96 | Peak | -27 | Pass |

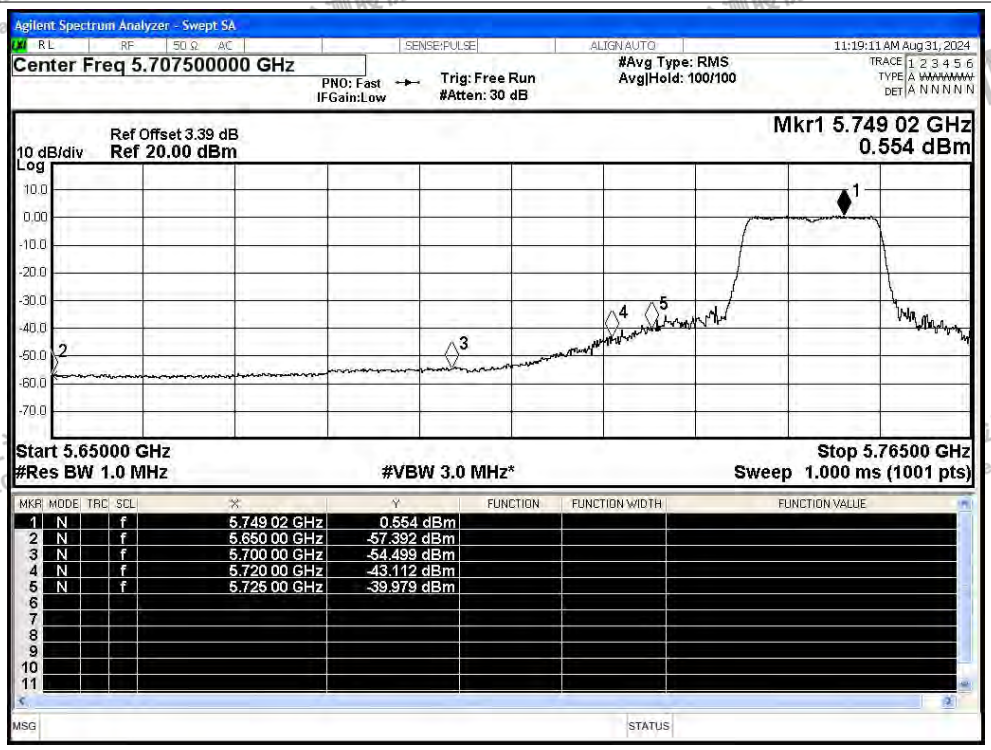
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | ac80 | 5775 | Ant1 | 5650 | -56.32 | 3 | 0.85 | -52.47 | Average | -27 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5700 | -44.3 | 3 | - | -41.30 | Peak | 10 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5700 | -52.61 | 3 | 0.85 | -48.76 | Average | 10 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5720 | -30.96 | 3 | - | -27.96 | Peak | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5720 | -47.27 | 3 | 0.85 | -43.42 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5725 | -29.09 | 3 | - | -26.09 | Peak | 27 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5725 | -44.17 | 3 | 0.85 | -40.32 | Average | 27 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5850 | -41.17 | 3 | - | -38.17 | Peak | 27 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5850 | -49.94 | 3 | 0.85 | -46.09 | Average | 27 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5855 | -40.53 | 3 | - | -37.53 | Peak | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5855 | -50.29 | 3 | 0.85 | -46.44 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5875 | -44.32 | 3 | - | -41.32 | Peak | 10 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5875 | -54.24 | 3 | 0.85 | -50.39 | Average | 10 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5925 | -50.19 | 3 | - | -47.19 | Peak | -27 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5925 | -57.01 | 3 | 0.85 | -53.16 | Average | -27 | Pass |

Test Graphs

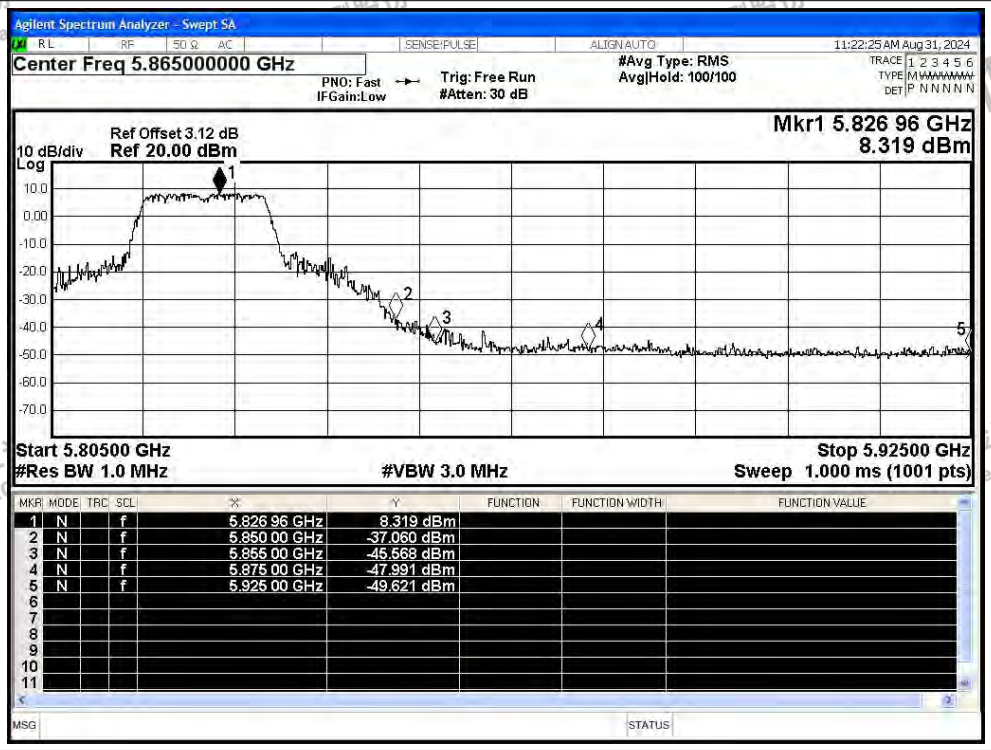
Restrict Band NVNT a 5745MHz Ant1 Peak



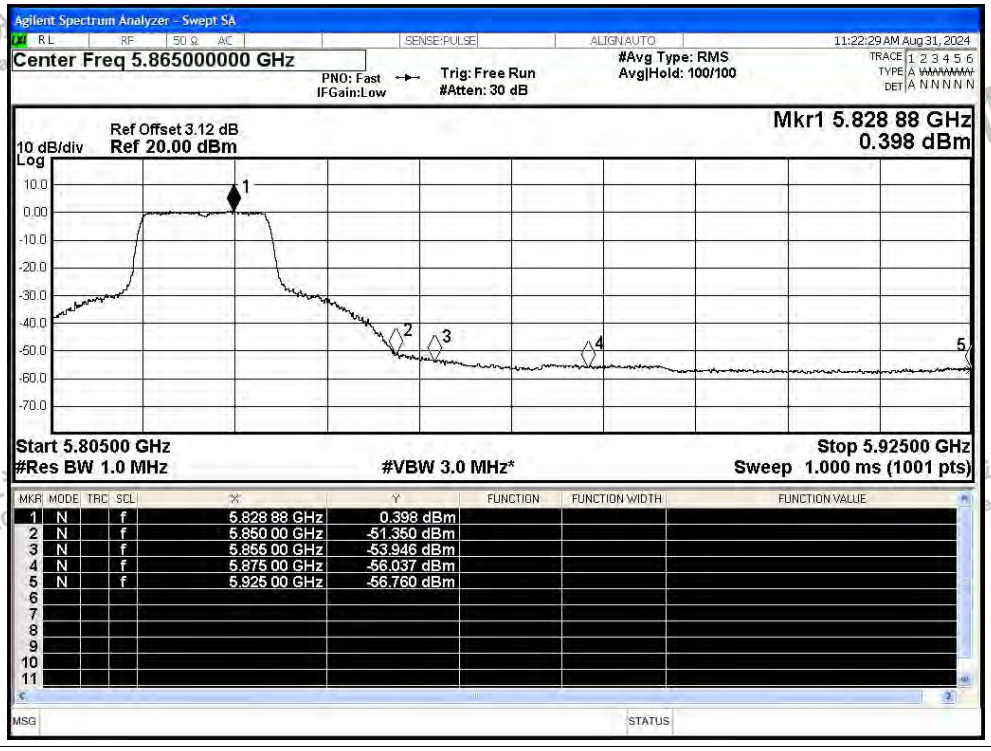

Restrict Band NVNT a 5745MHz Ant1 Average



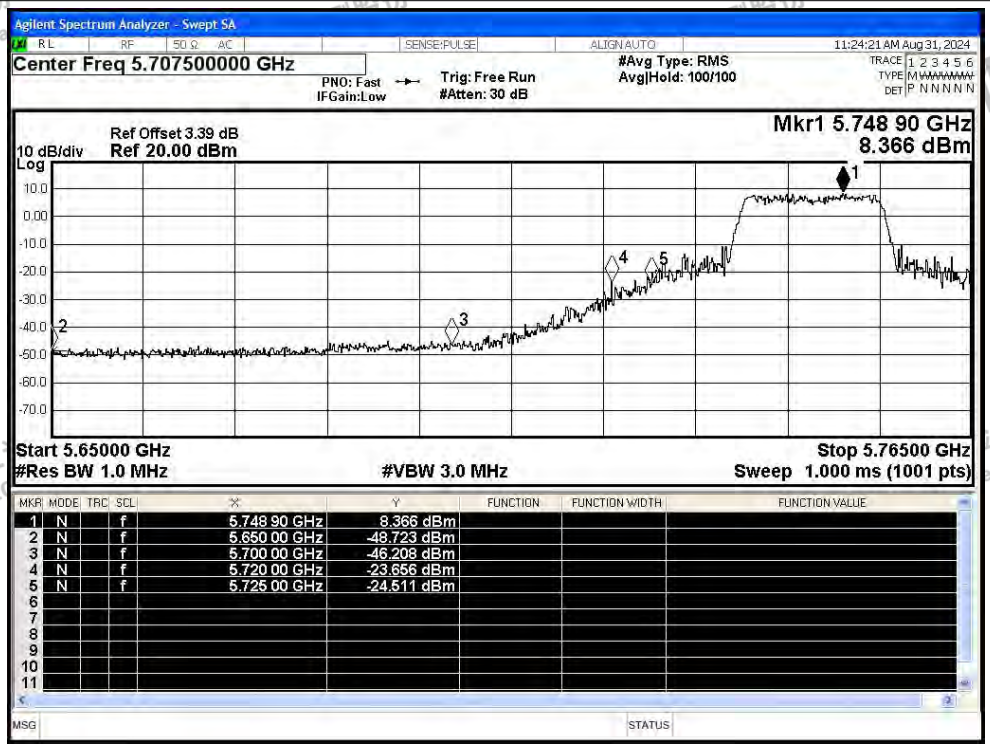
Restrict Band NVNT a 5825MHz Ant1 Peak



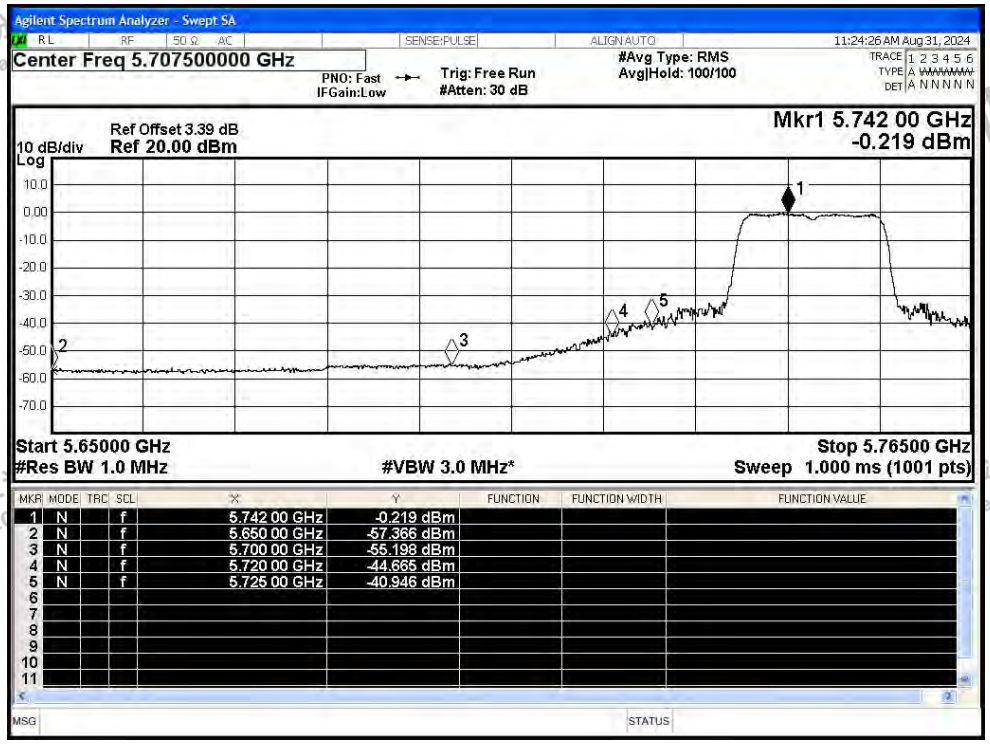

Restrict Band NVNT a 5825MHz Ant1 Average



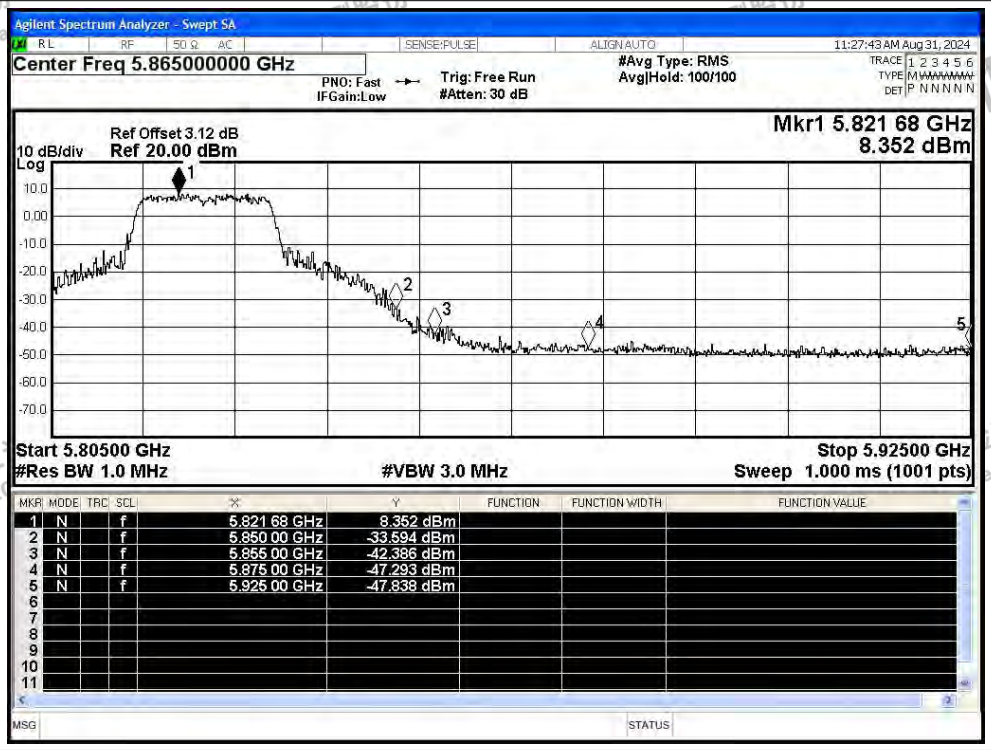
Restrict Band NVNT n20 5745MHz Ant1 Peak



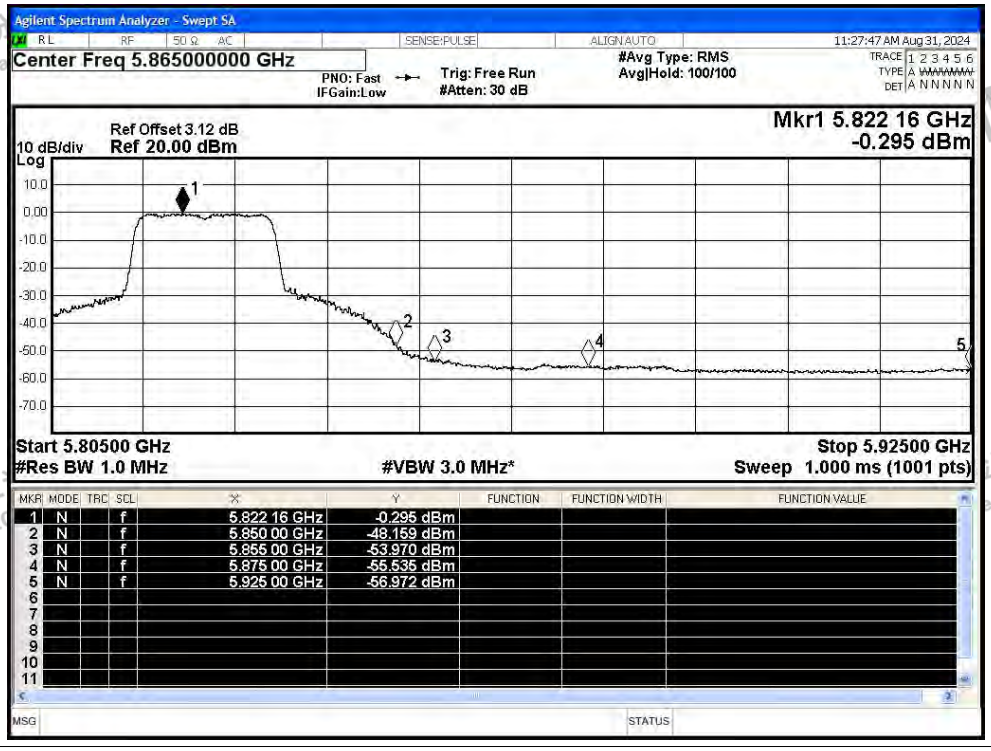

Restrict Band NVNT n20 5745MHz Ant1 Average



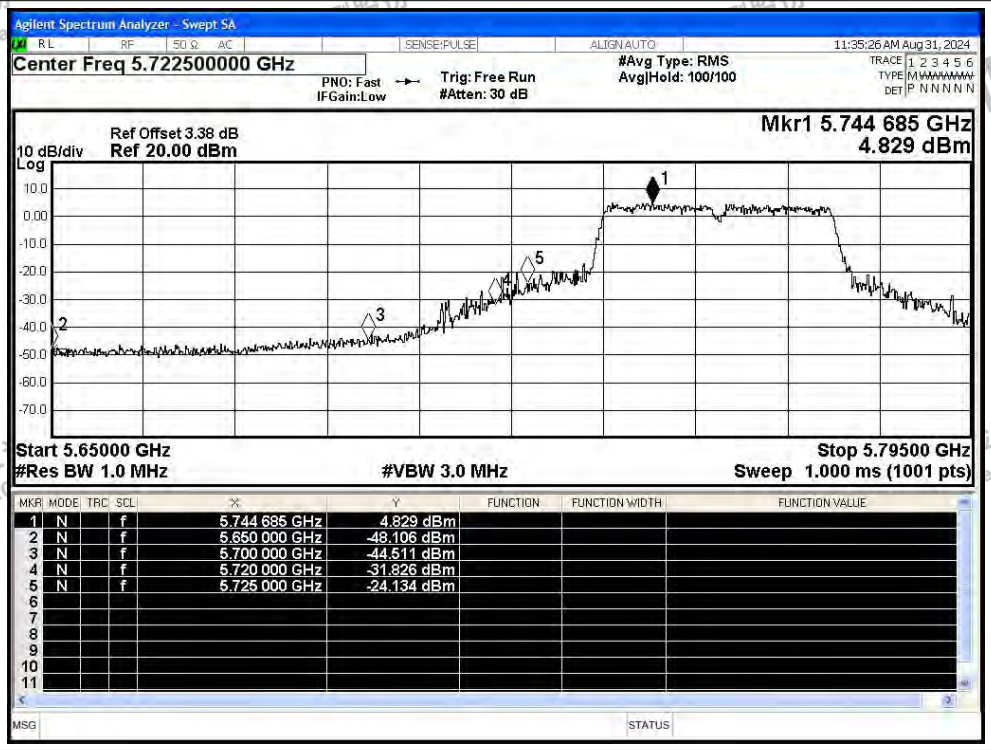
Restrict Band NVNT n20 5825MHz Ant1 Peak



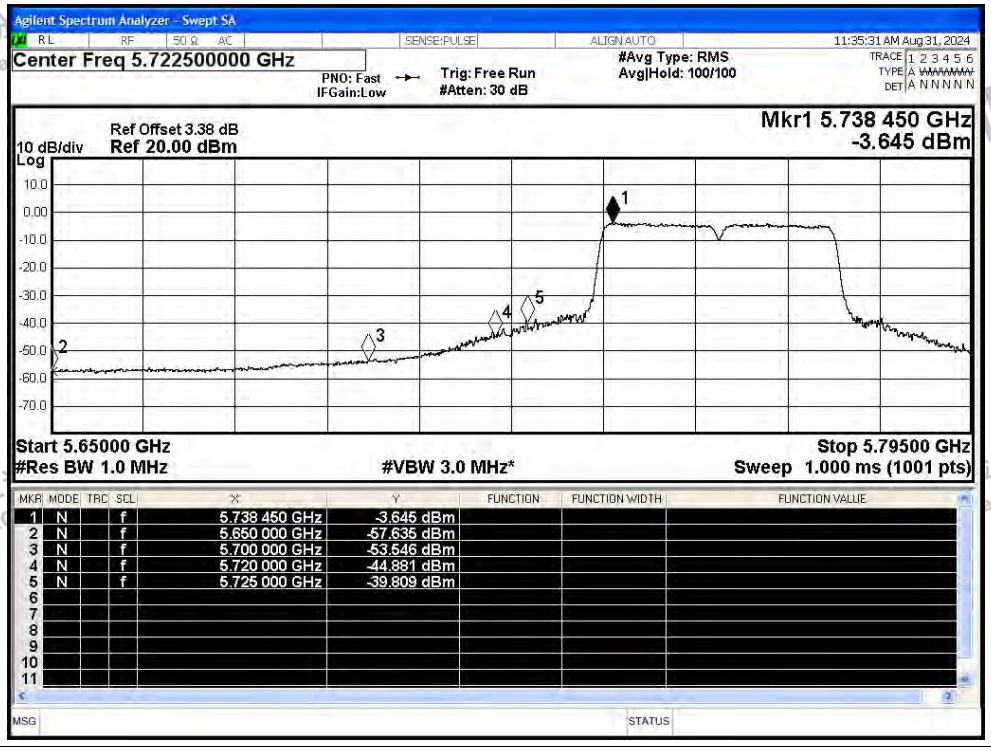

Restrict Band NVNT n20 5825MHz Ant1 Average



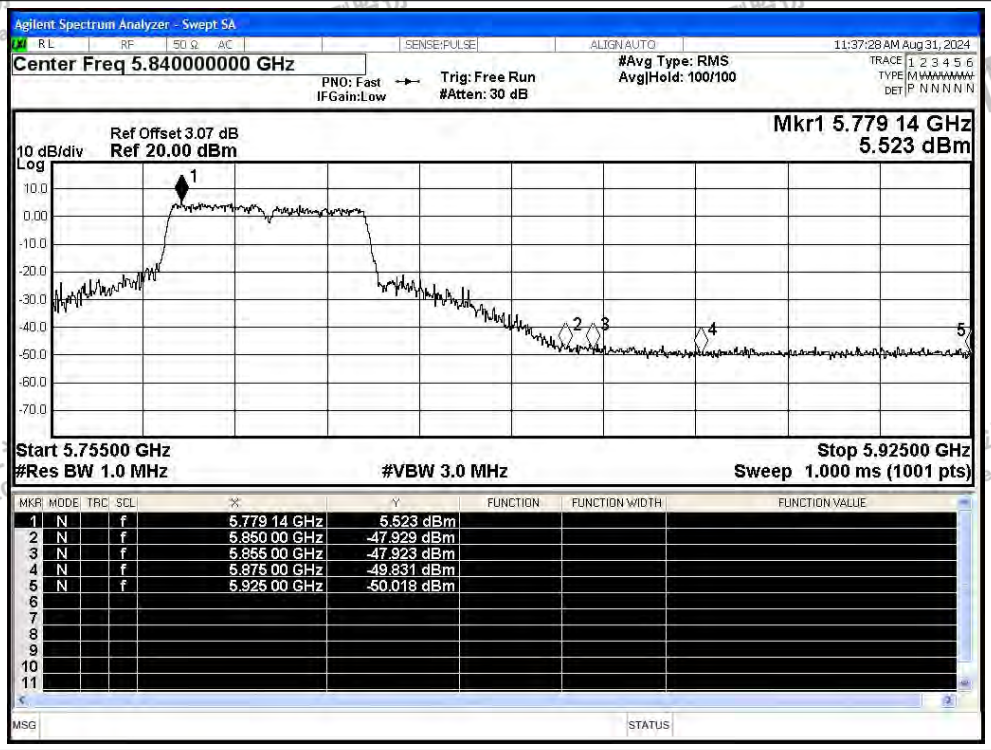
Restrict Band NVNT n40 5755MHz Ant1 Peak



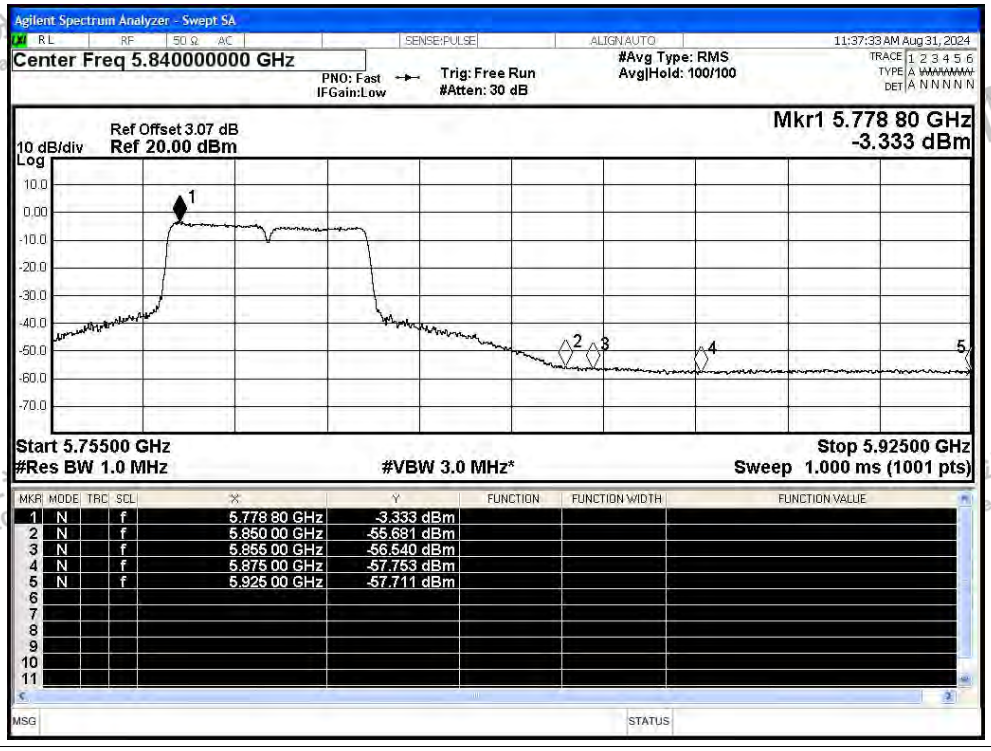

Restrict Band NVNT n40 5755MHz Ant1 Average



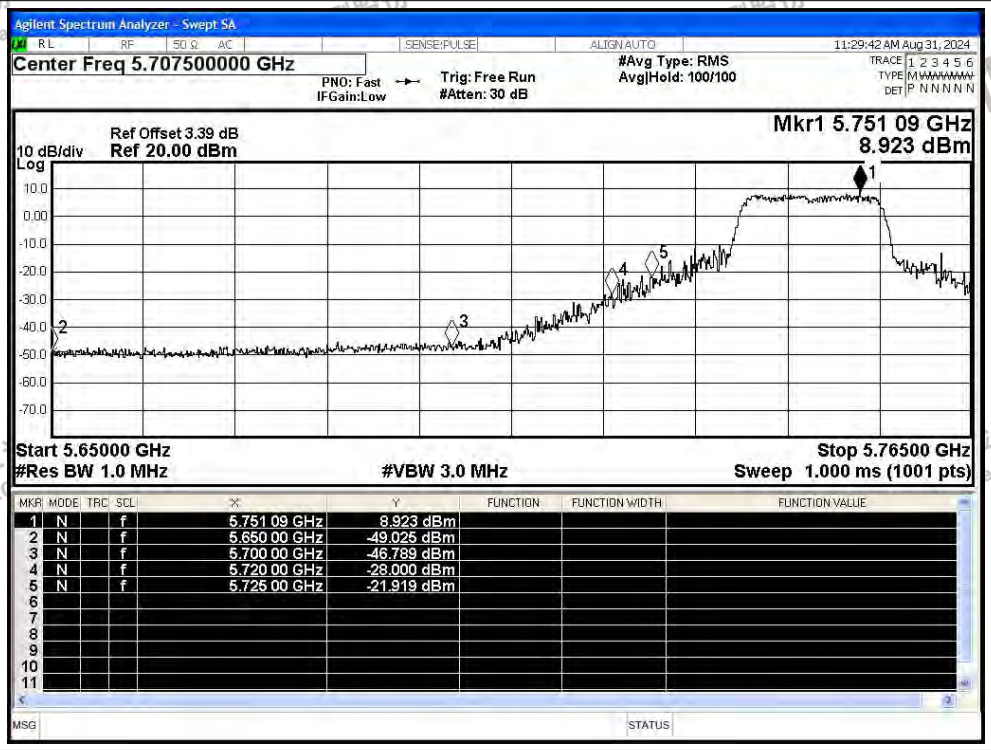
Restrict Band NVNT n40 5795MHz Ant1 Peak



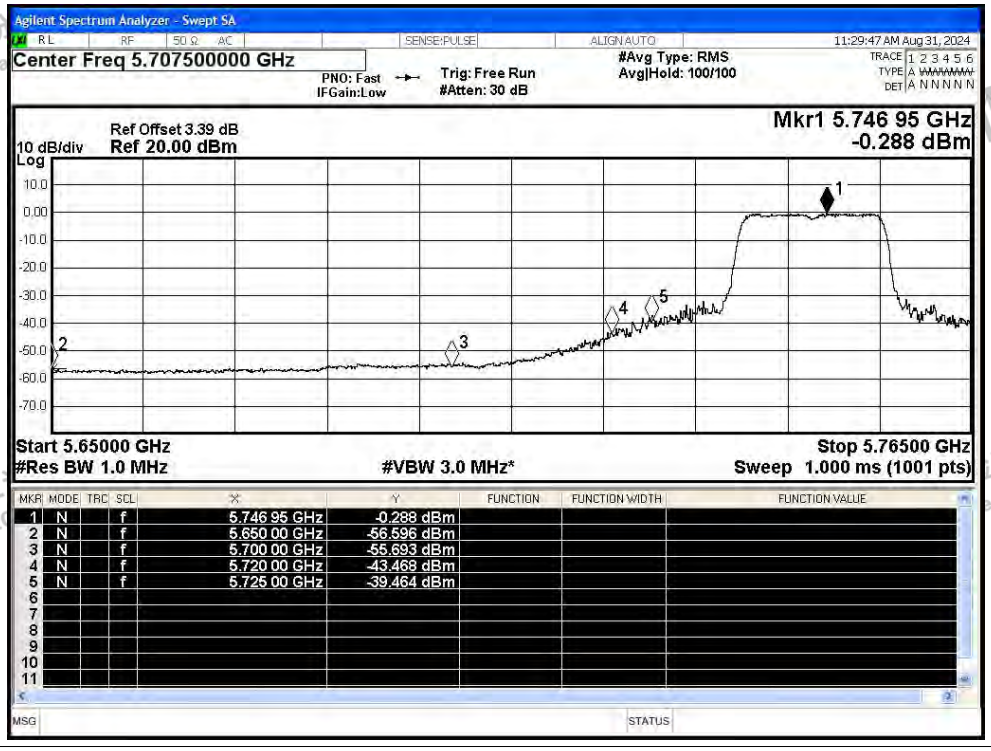

Restrict Band NVNT n40 5795MHz Ant1 Average



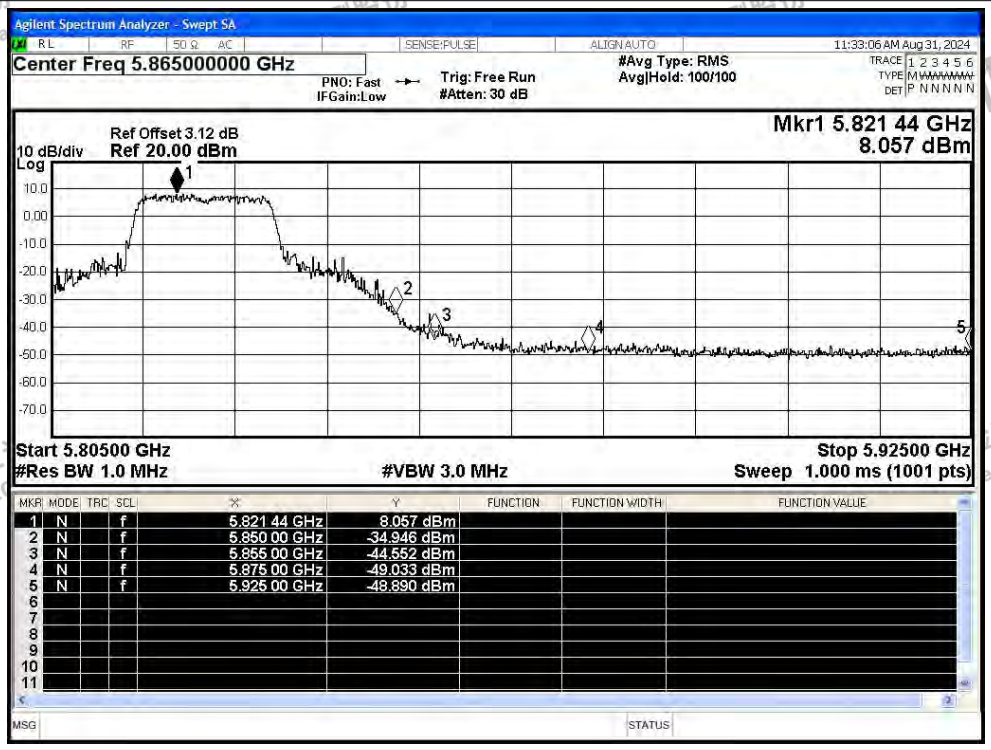
Restrict Band NVNT ac20 5745MHz Ant1 Peak



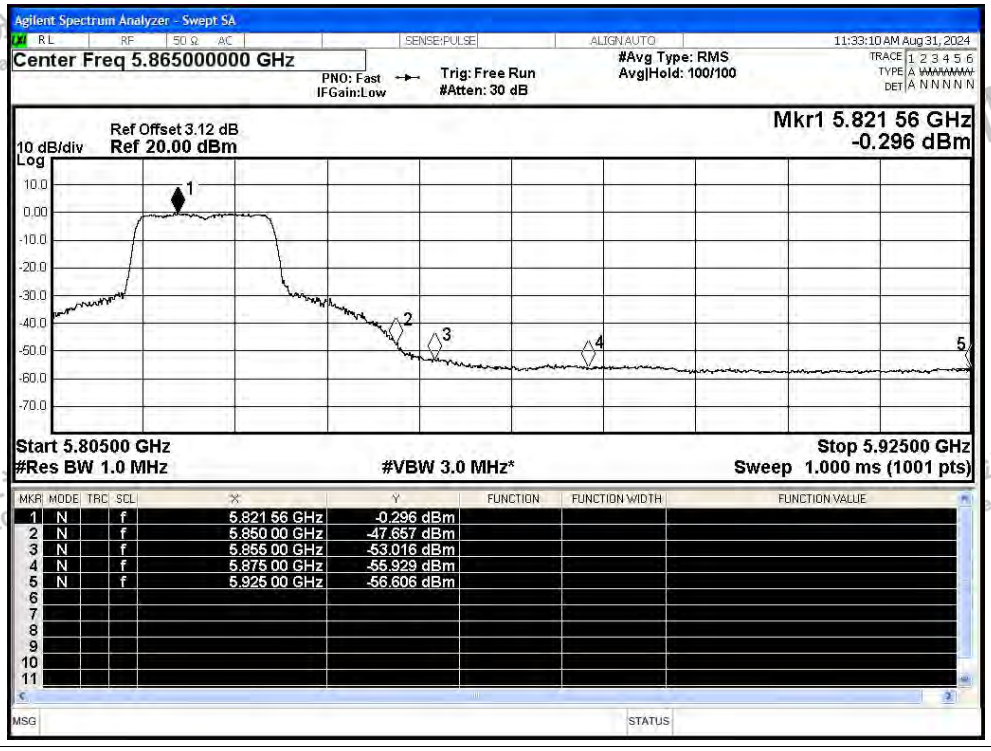

Restrict Band NVNT ac20 5745MHz Ant1 Average



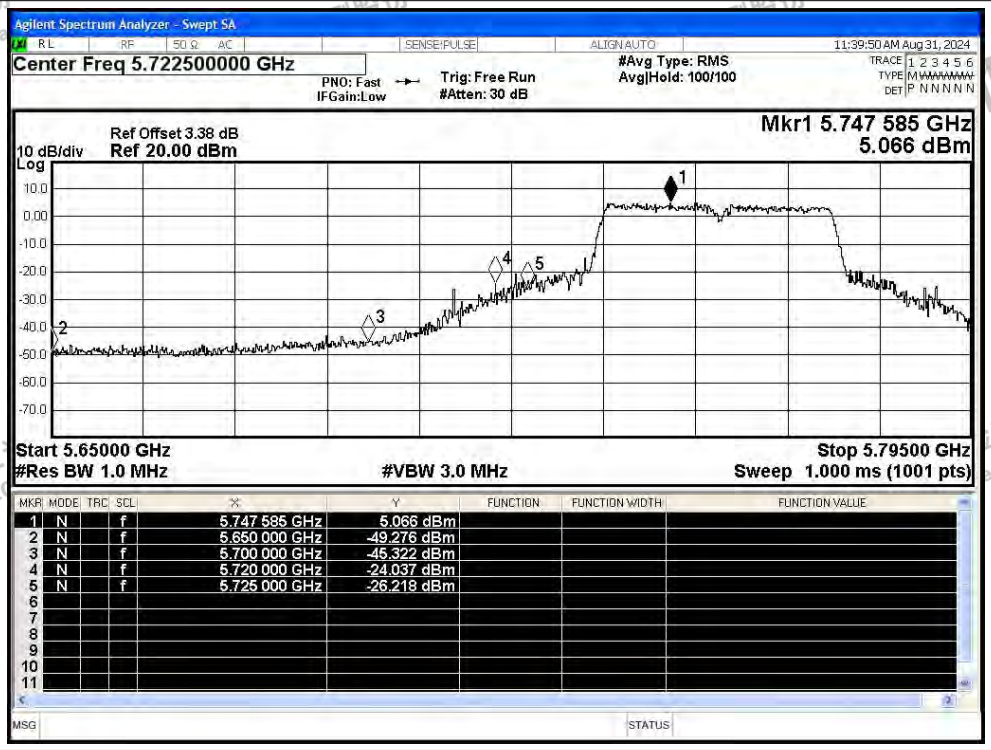
Restrict Band NVNT ac20 5825MHz Ant1 Peak



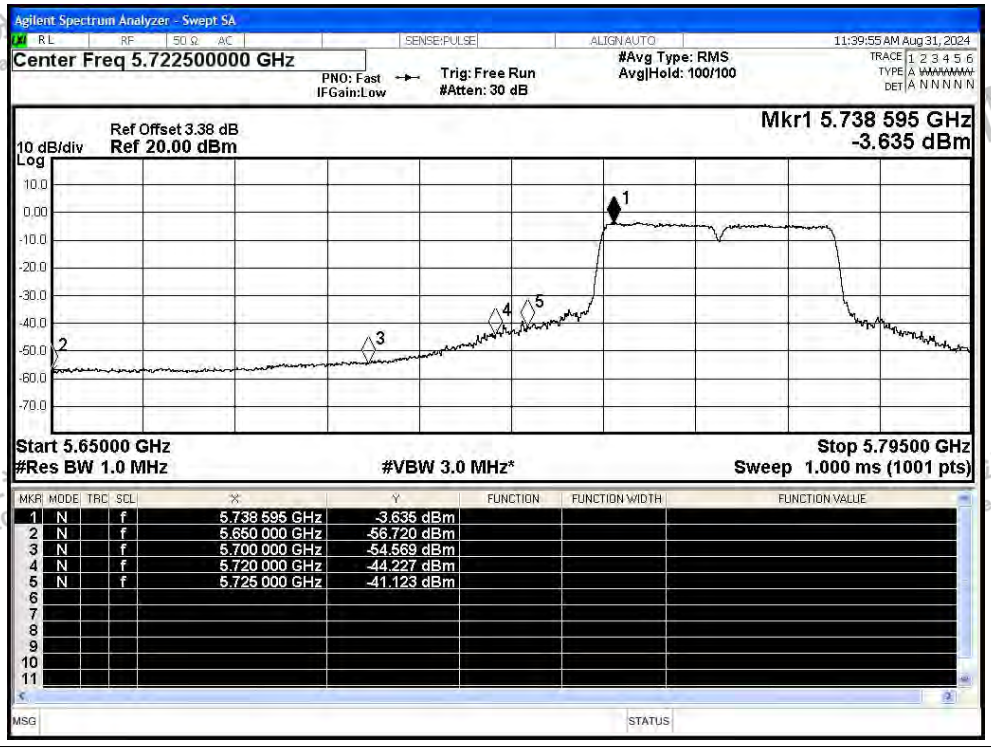

Restrict Band NVNT ac20 5825MHz Ant1 Average



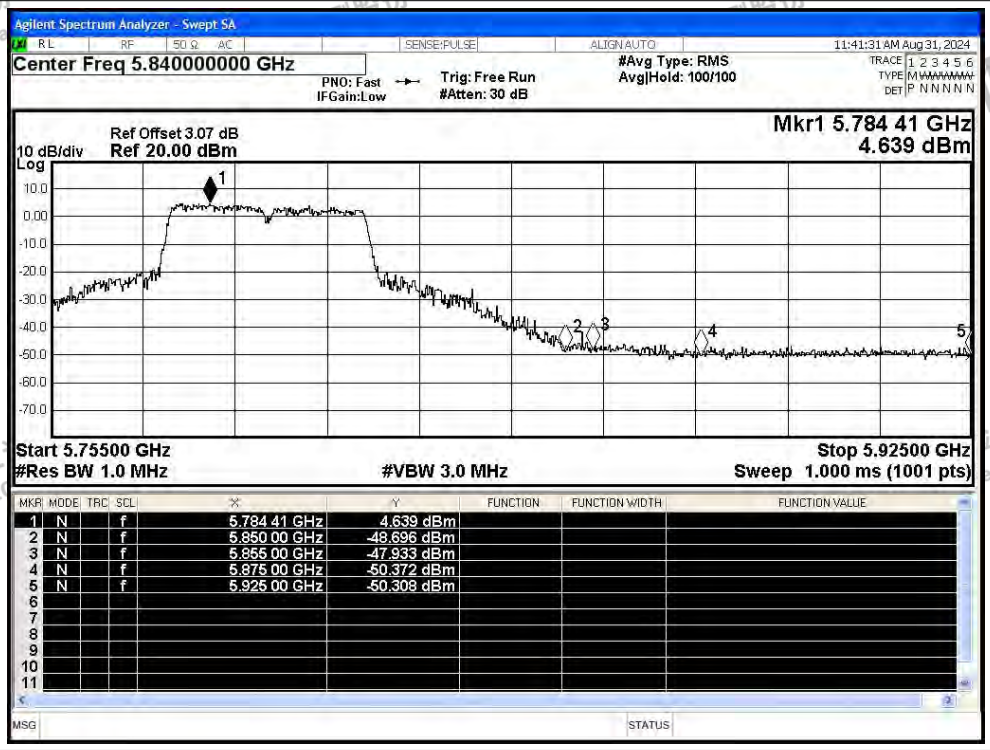
Restrict Band NVNT ac40 5755MHz Ant1 Peak



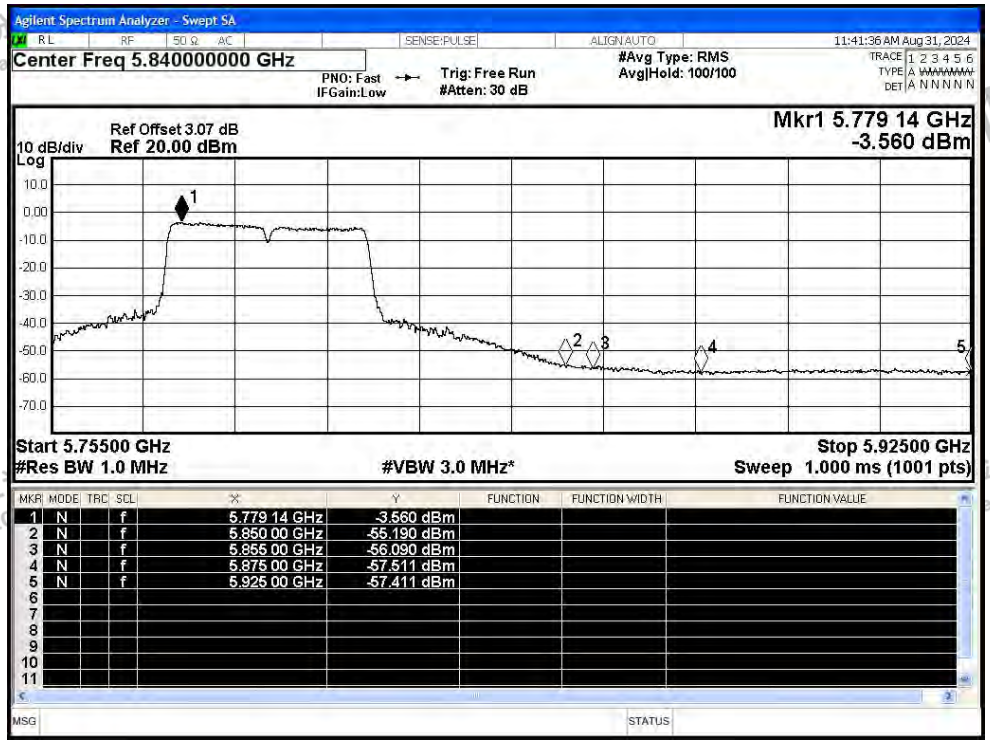

Restrict Band NVNT ac40 5755MHz Ant1 Average



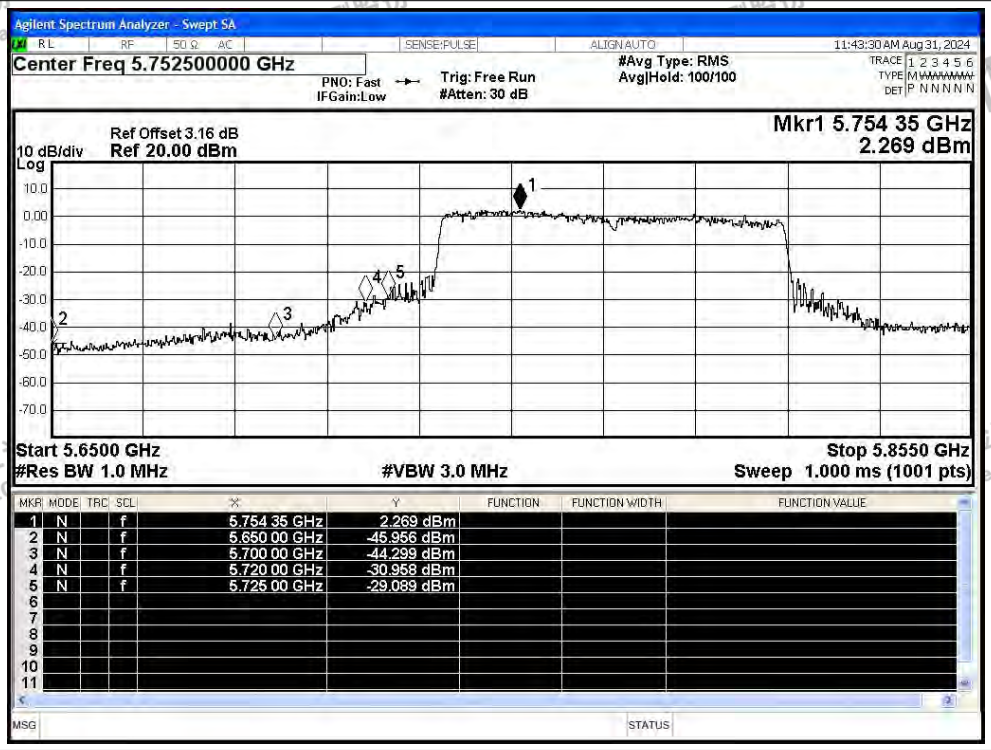
Restrict Band NVNT ac40 5795MHz Ant1 Peak



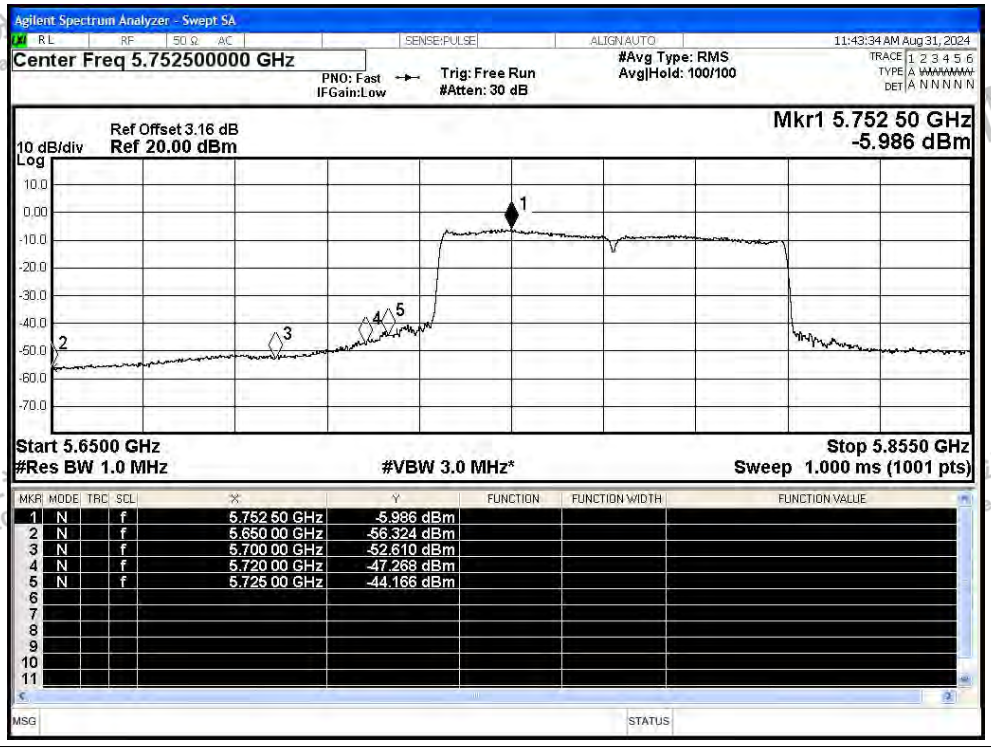

Restrict Band NVNT ac40 5795MHz Ant1 Average



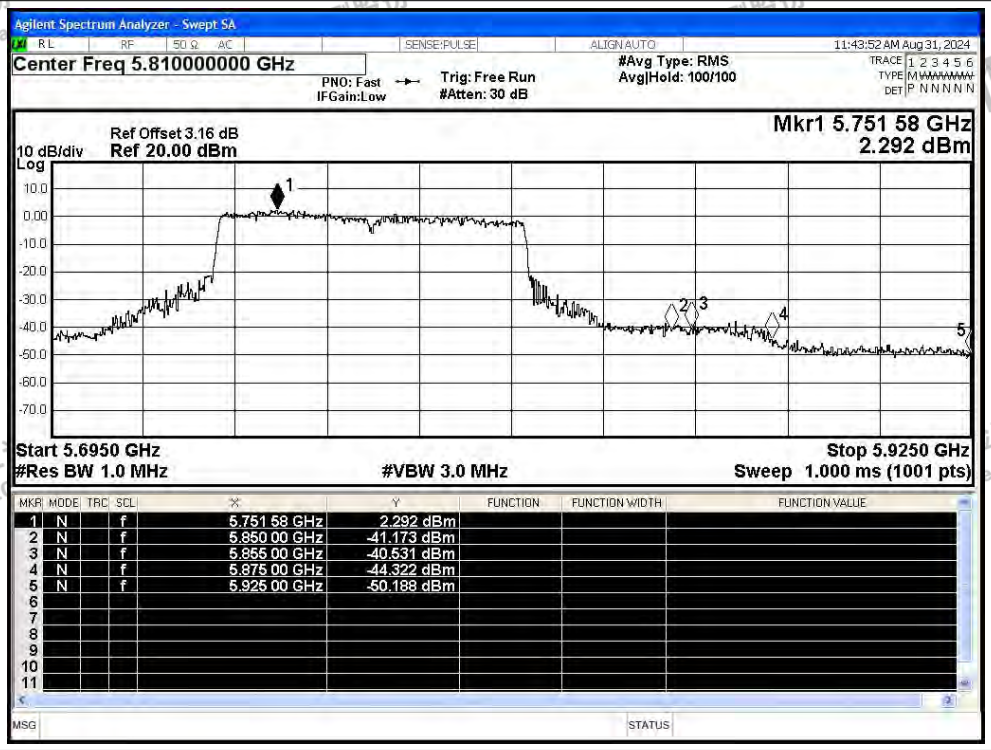
Restrict Band NVNT ac80 5775MHz Ant1 Peak



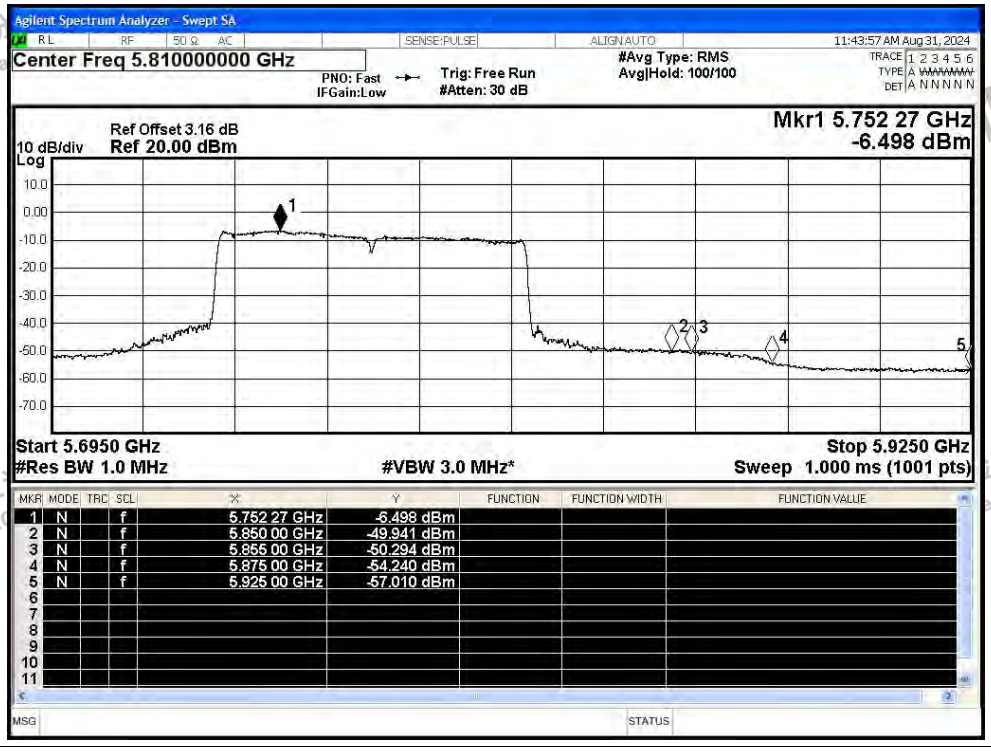

Restrict Band NVNT ac80 5775MHz Ant1 Average



Restrict Band NVNT ac80 5775MHz Ant1 Peak




Restrict Band NVNT ac80 5775MHz Ant1 Average



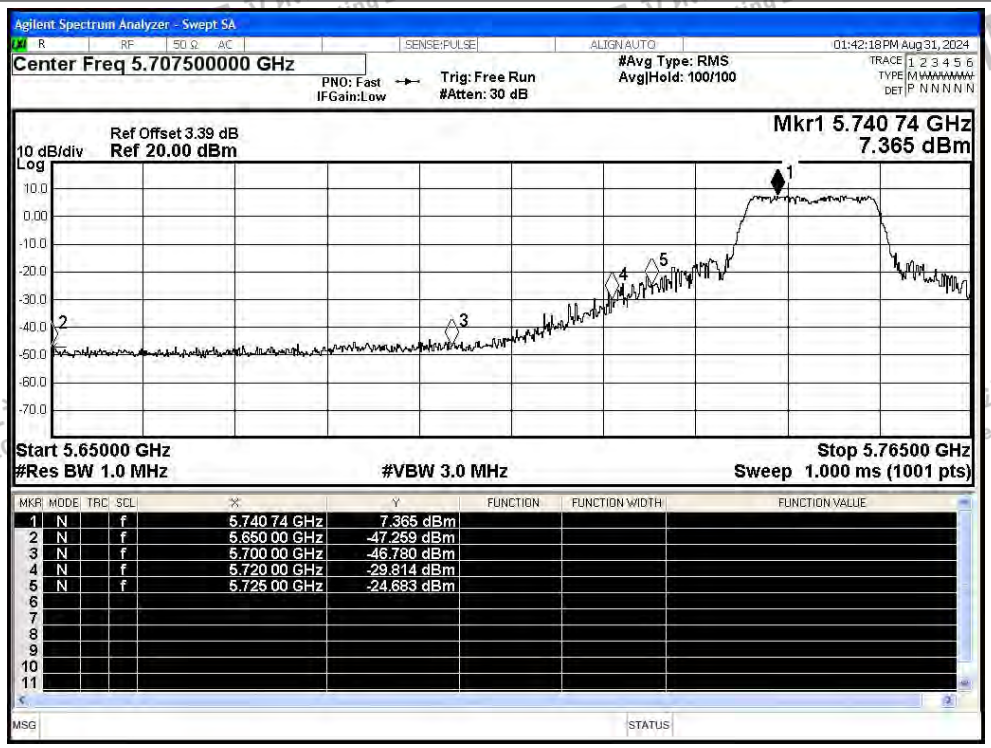
| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | EIRP Power (dBm) | Detector | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant2 | 5650 | -47.26 | 3 | - | -44.26 | Peak | -27 | Pass |
| NVNT | a | 5745 | Ant2 | 5650 | -57.21 | 3 | 0.28 | -53.93 | Average | -27 | Pass |
| NVNT | a | 5745 | Ant2 | 5700 | -46.78 | 3 | - | -43.78 | Peak | 10 | Pass |
| NVNT | a | 5745 | Ant2 | 5700 | -55.01 | 3 | 0.28 | -51.73 | Average | 10 | Pass |
| NVNT | a | 5745 | Ant2 | 5720 | -29.81 | 3 | - | -26.81 | Peak | 15.6 | Pass |
| NVNT | a | 5745 | Ant2 | 5720 | -45.93 | 3 | 0.28 | -42.65 | Average | 15.6 | Pass |
| NVNT | a | 5745 | Ant2 | 5725 | -24.68 | 3 | - | -21.68 | Peak | 27 | Pass |
| NVNT | a | 5745 | Ant2 | 5725 | -44.34 | 3 | 0.28 | -41.06 | Average | 27 | Pass |
| NVNT | a | 5825 | Ant2 | 5850 | -36.86 | 3 | - | -33.86 | Peak | 27 | Pass |
| NVNT | a | 5825 | Ant2 | 5850 | -50.21 | 3 | 0.28 | -46.93 | Average | 27 | Pass |
| NVNT | a | 5825 | Ant2 | 5855 | -40.51 | 3 | - | -37.51 | Peak | 15.6 | Pass |
| NVNT | a | 5825 | Ant2 | 5855 | -53.08 | 3 | 0.28 | -49.80 | Average | 15.6 | Pass |
| NVNT | a | 5825 | Ant2 | 5875 | -47.94 | 3 | - | -44.94 | Peak | 10 | Pass |
| NVNT | a | 5825 | Ant2 | 5875 | -55.67 | 3 | 0.28 | -52.39 | Average | 10 | Pass |
| NVNT | a | 5825 | Ant2 | 5925 | -49.87 | 3 | - | -46.87 | Peak | -27 | Pass |
| NVNT | a | 5825 | Ant2 | 5925 | -57.31 | 3 | 0.28 | -54.03 | Average | -27 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5650 | -48.63 | 3 | - | -45.63 | Peak | -27 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5650 | -57.82 | 3 | 0.32 | -54.50 | Average | -27 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5700 | -47.33 | 3 | - | -44.33 | Peak | 10 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5700 | -55.09 | 3 | 0.32 | -51.77 | Average | 10 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5720 | -32.32 | 3 | - | -29.32 | Peak | 15.6 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5720 | -45.58 | 3 | 0.32 | -42.26 | Average | 15.6 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5725 | -25.55 | 3 | - | -22.55 | Peak | 27 | Pass |
| NVNT | n20 | 5745 | Ant2 | 5725 | -42.29 | 3 | 0.32 | -38.97 | Average | 27 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5850 | -33.68 | 3 | - | -30.68 | Peak | 27 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5850 | -48.05 | 3 | 0.32 | -44.73 | Average | 27 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5855 | -39.19 | 3 | - | -36.19 | Peak | 15.6 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5855 | -52.9 | 3 | 0.32 | -49.58 | Average | 15.6 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5875 | -48.2 | 3 | - | -45.20 | Peak | 10 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5875 | -56.06 | 3 | 0.32 | -52.74 | Average | 10 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5925 | -48.51 | 3 | - | -45.51 | Peak | -27 | Pass |
| NVNT | n20 | 5825 | Ant2 | 5925 | -56.66 | 3 | 0.32 | -53.34 | Average | -27 | Pass |
| NVNT | n40 | 5755 | Ant2 | 5650 | -50.19 | 3 | - | -47.19 | Peak | -27 | Pass |
| NVNT | n40 | 5755 | Ant2 | 5650 | -56.95 | 3 | 0.92 | -53.03 | Average | -27 | Pass |
| NVNT | n40 | 5755 | Ant2 | 5700 | -48.1 | 3 | - | -45.10 | Peak | 10 | Pass |
| NVNT | n40 | 5755 | Ant2 | 5700 | -55.69 | 3 | 0.92 | -51.77 | Average | 10 | Pass |
| NVNT | n40 | 5755 | Ant2 | 5720 | -33.79 | 3 | - | -30.79 | Peak | 15.6 | Pass |
| NVNT | n40 | 5755 | Ant2 | 5720 | -47.28 | 3 | 0.92 | -43.36 | Average | 15.6 | Pass |
| NVNT | n40 | 5755 | Ant2 | 5725 | -28.61 | 3 | - | -25.61 | Peak | 27 | Pass |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | n40 | 5755 | Ant2 | 5725 | -43.5 | 3 | 0.92 | -39.58 | Average | 27 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5850 | -48.26 | 3 | - | -45.26 | Peak | 27 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5850 | -57.49 | 3 | 0.51 | -53.98 | Average | 27 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5855 | -50.28 | 3 | - | -47.28 | Peak | 15.6 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5855 | -56.83 | 3 | 0.51 | -53.32 | Average | 15.6 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5875 | -50.3 | 3 | - | -47.30 | Peak | 10 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5875 | -57.87 | 3 | 0.51 | -54.36 | Average | 10 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5925 | -48.93 | 3 | - | -45.93 | Peak | -27 | Pass |
| NVNT | n40 | 5795 | Ant2 | 5925 | -57.69 | 3 | 0.51 | -54.18 | Average | -27 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5650 | -48.08 | 3 | - | -45.08 | Peak | -27 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5650 | -57.16 | 3 | 0.32 | -53.84 | Average | -27 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5700 | -47.17 | 3 | - | -44.17 | Peak | 10 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5700 | -56.01 | 3 | 0.32 | -52.69 | Average | 10 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5720 | -36.09 | 3 | - | -33.09 | Peak | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5720 | -45.88 | 3 | 0.32 | -42.56 | Average | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5725 | -27.89 | 3 | - | -24.89 | Peak | 27 | Pass |
| NVNT | ac20 | 5745 | Ant2 | 5725 | -40.33 | 3 | 0.32 | -37.01 | Average | 27 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5850 | -33.92 | 3 | - | -30.92 | Peak | 27 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5850 | -47.54 | 3 | 0.32 | -44.22 | Average | 27 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5855 | -41.65 | 3 | - | -38.65 | Peak | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5855 | -51.96 | 3 | 0.32 | -48.64 | Average | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5875 | -47.75 | 3 | - | -44.75 | Peak | 10 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5875 | -56.13 | 3 | 0.32 | -52.81 | Average | 10 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5925 | -48.2 | 3 | - | -45.20 | Peak | -27 | Pass |
| NVNT | ac20 | 5825 | Ant2 | 5925 | -56.68 | 3 | 0.32 | -53.36 | Average | -27 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5650 | -48.72 | 3 | - | -45.72 | Peak | -27 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5650 | -57.41 | 3 | 0.5 | -53.91 | Average | -27 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5700 | -45.55 | 3 | - | -42.55 | Peak | 10 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5700 | -55.66 | 3 | 0.5 | -52.16 | Average | 10 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5720 | -30.57 | 3 | - | -27.57 | Peak | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5720 | -46.64 | 3 | 0.5 | -43.14 | Average | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5725 | -27.54 | 3 | - | -24.54 | Peak | 27 | Pass |
| NVNT | ac40 | 5755 | Ant2 | 5725 | -42.94 | 3 | 0.5 | -39.44 | Average | 27 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5850 | -48.27 | 3 | - | -45.27 | Peak | 27 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5850 | -56.92 | 3 | 0.5 | -53.42 | Average | 27 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5855 | -48.32 | 3 | - | -45.32 | Peak | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5855 | -56.76 | 3 | 0.5 | -53.26 | Average | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5875 | -48.9 | 3 | - | -45.90 | Peak | 10 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5875 | -57.88 | 3 | 0.5 | -54.38 | Average | 10 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5925 | -49.05 | 3 | - | -46.05 | Peak | -27 | Pass |
| NVNT | ac40 | 5795 | Ant2 | 5925 | -57.94 | 3 | 0.5 | -54.44 | Average | -27 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5650 | -48.31 | 3 | - | -45.31 | Peak | -27 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5650 | -57.18 | 3 | 0.69 | -53.49 | Average | -27 | Pass |

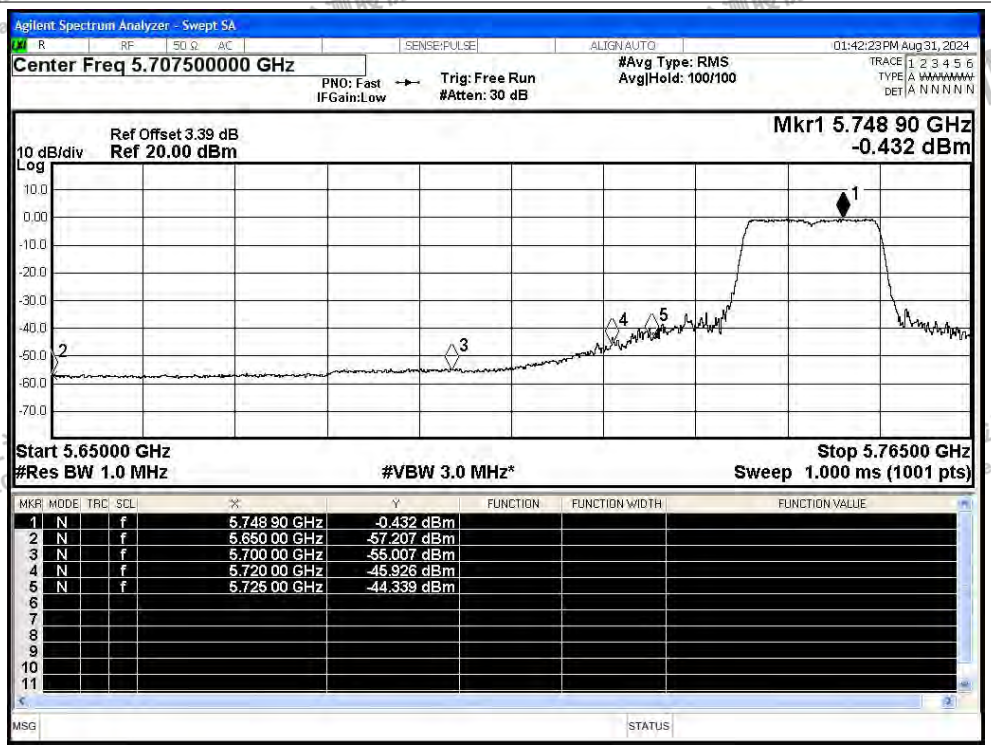
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | ac80 | 5775 | Ant2 | 5700 | -46.88 | 3 | - | -43.88 | Peak | 10 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5700 | -54.23 | 3 | 0.69 | -50.54 | Average | 10 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5720 | -38.65 | 3 | - | -35.65 | Peak | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5720 | -49.56 | 3 | 0.69 | -45.87 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5725 | -28.9 | 3 | - | -25.90 | Peak | 27 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5725 | -49.13 | 3 | 0.69 | -45.44 | Average | 27 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5850 | -47.71 | 3 | - | -44.71 | Peak | 27 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5850 | -55.49 | 3 | 0.69 | -51.80 | Average | 27 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5855 | -47.06 | 3 | - | -44.06 | Peak | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5855 | -55.87 | 3 | 0.69 | -52.18 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5875 | -47.99 | 3 | - | -44.99 | Peak | 10 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5875 | -56.86 | 3 | 0.69 | -53.17 | Average | 10 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5925 | -49.22 | 3 | - | -46.22 | Peak | -27 | Pass |
| NVNT | ac80 | 5775 | Ant2 | 5925 | -57.35 | 3 | 0.69 | -53.66 | Average | -27 | Pass |

Test Graphs

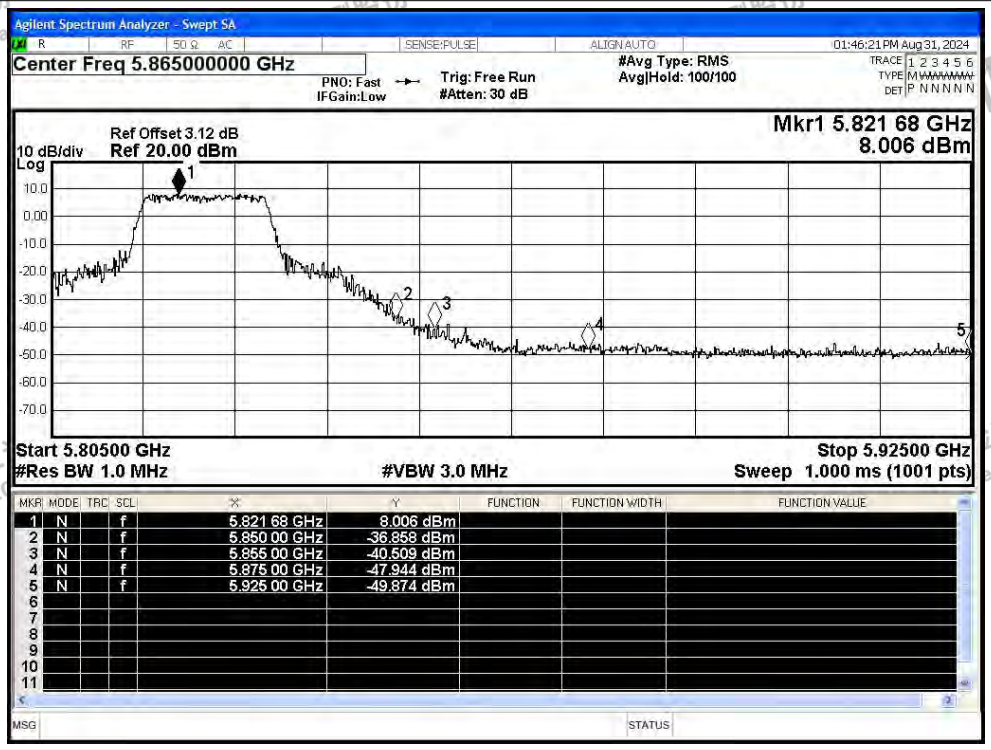
Restrict Band NVNT a 5745MHz Ant2 Peak



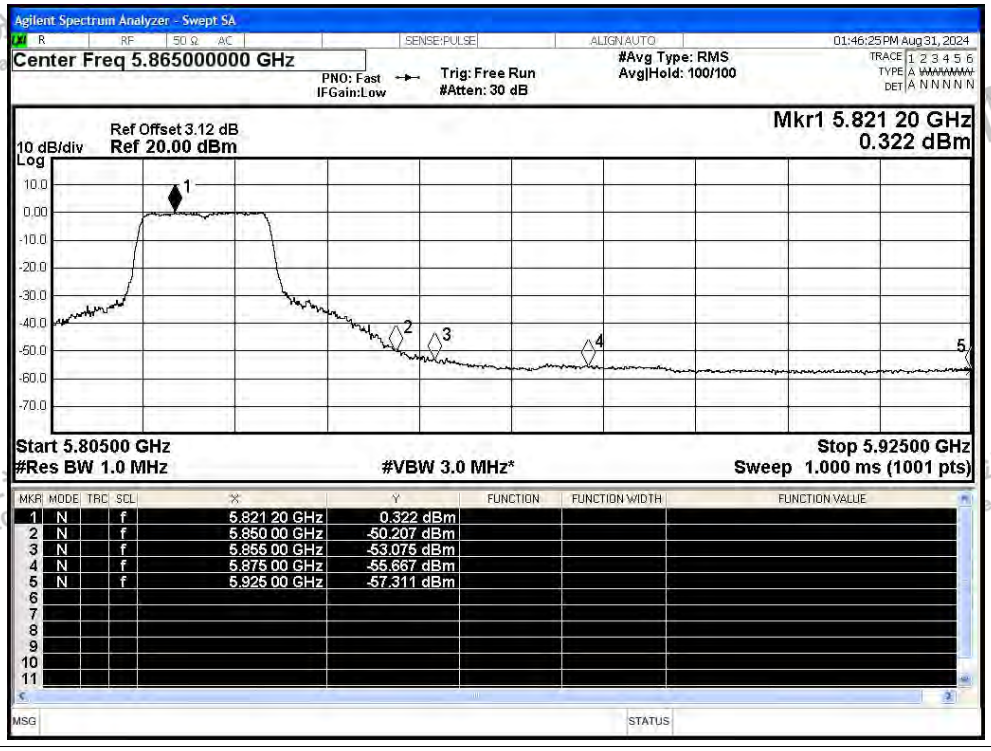

Restrict Band NVNT a 5745MHz Ant2 Average



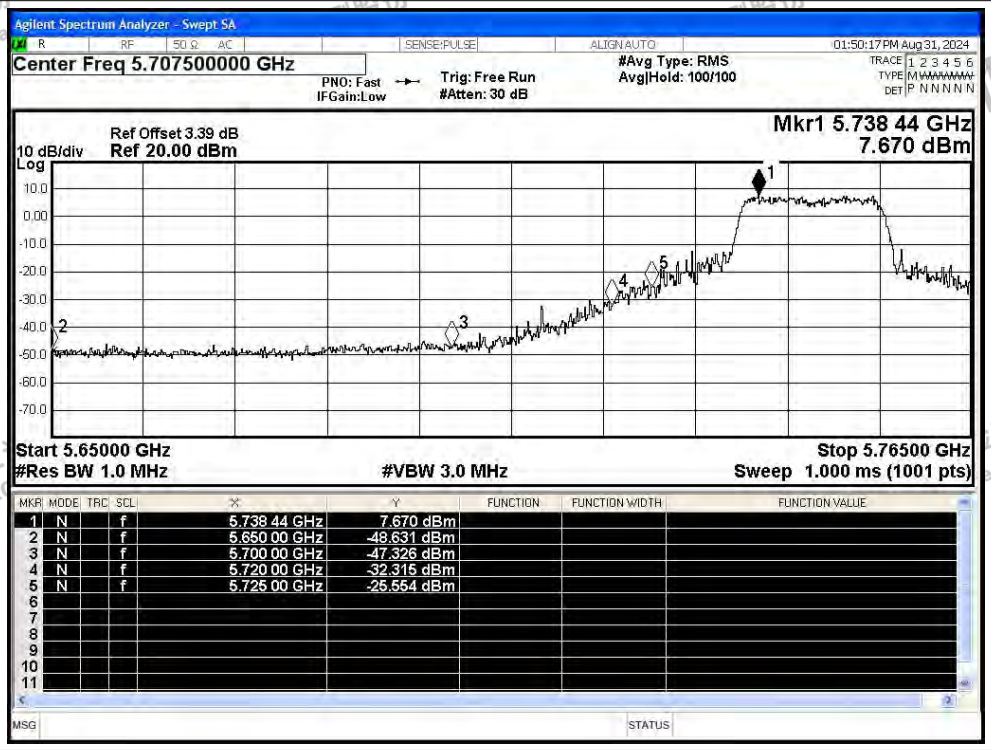
Restrict Band NVNT a 5825MHz Ant2 Peak



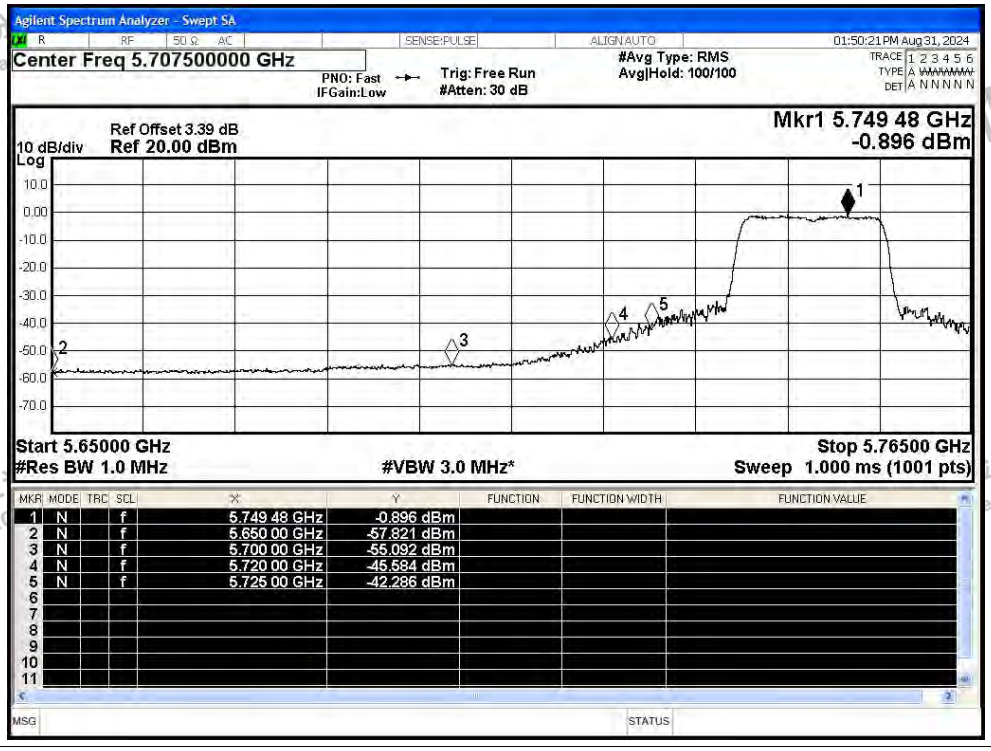

Restrict Band NVNT a 5825MHz Ant2 Average



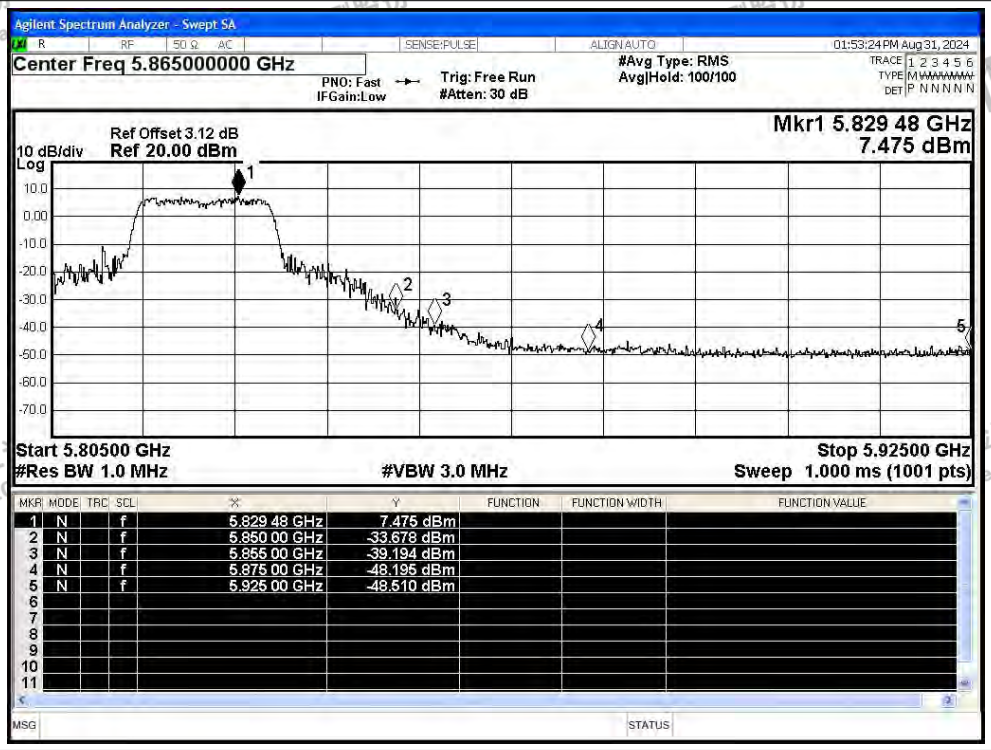
Restrict Band NVNT n20 5745MHz Ant2 Peak



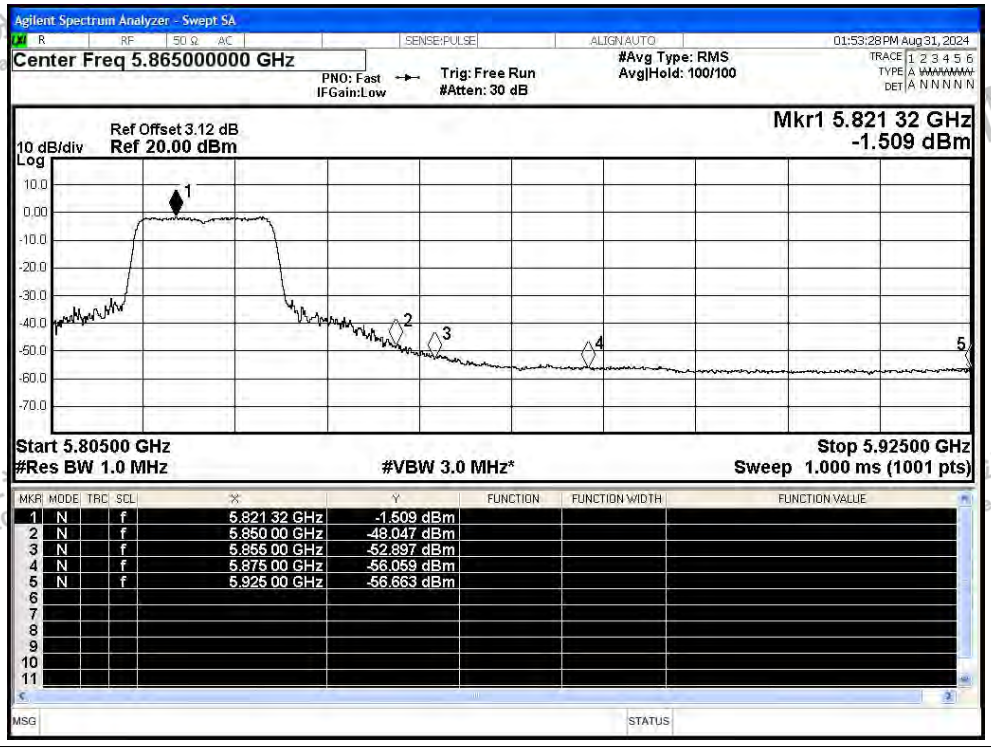

Restrict Band NVNT n20 5745MHz Ant2 Average



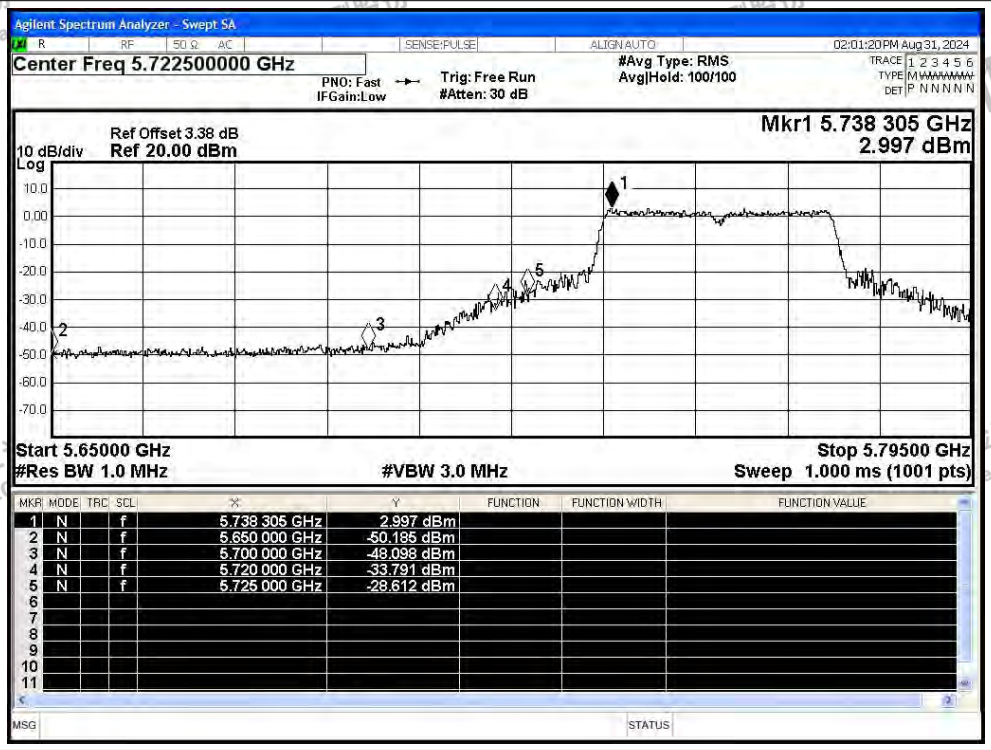
Restrict Band NVNT n20 5825MHz Ant2 Peak



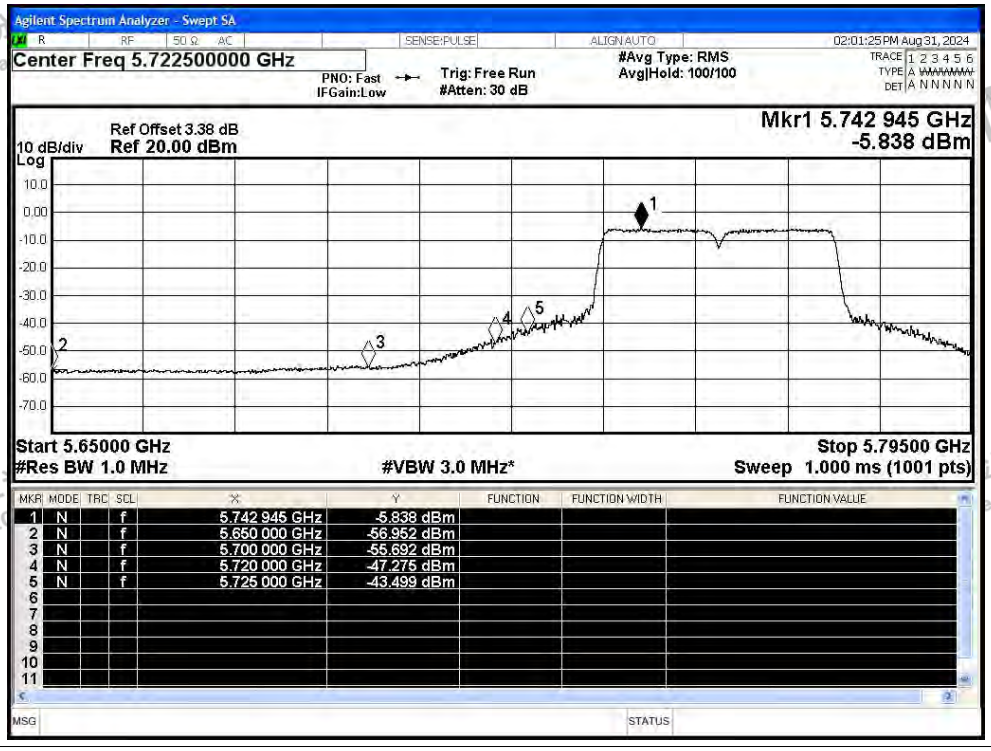

Restrict Band NVNT n20 5825MHz Ant2 Average



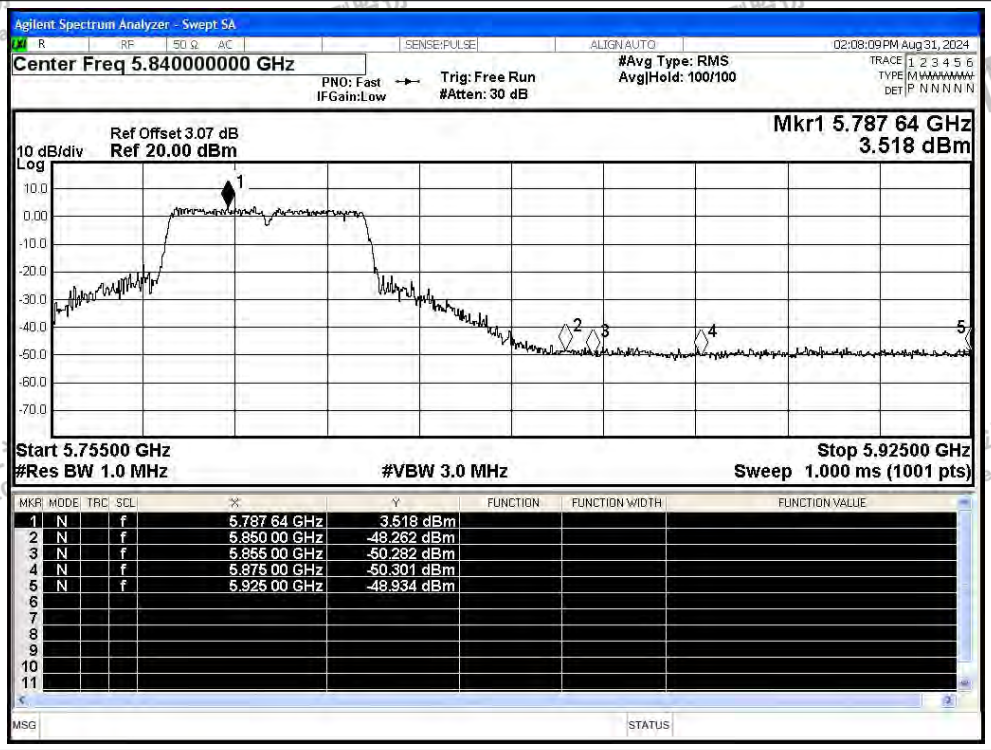
Restrict Band NVNT n40 5755MHz Ant2 Peak



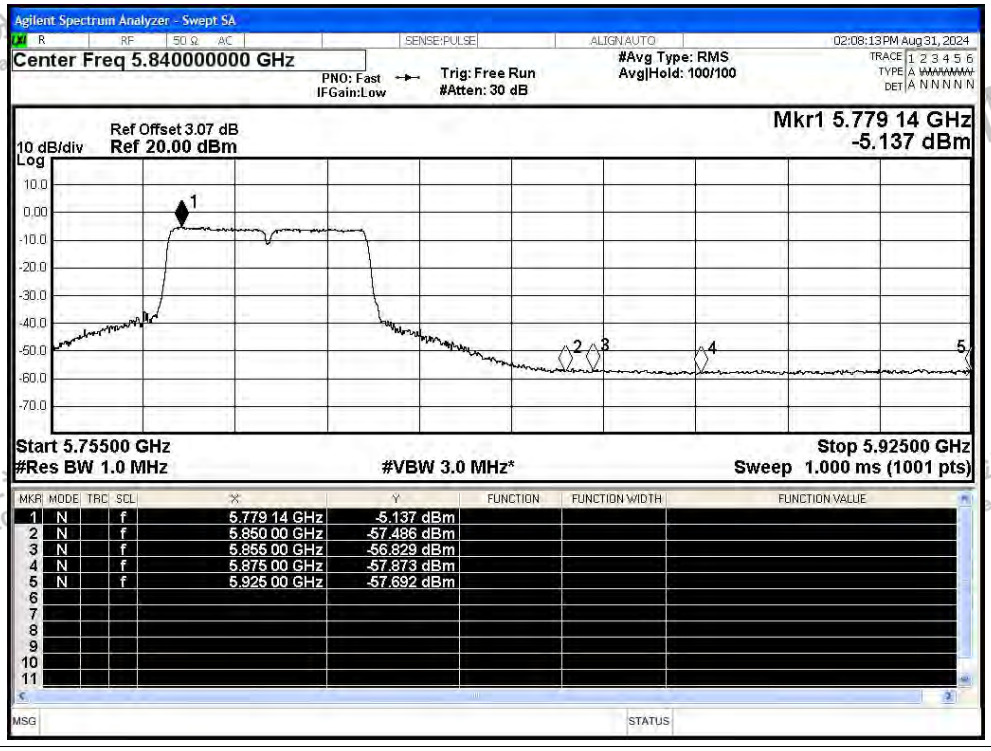

Restrict Band NVNT n40 5755MHz Ant2 Average



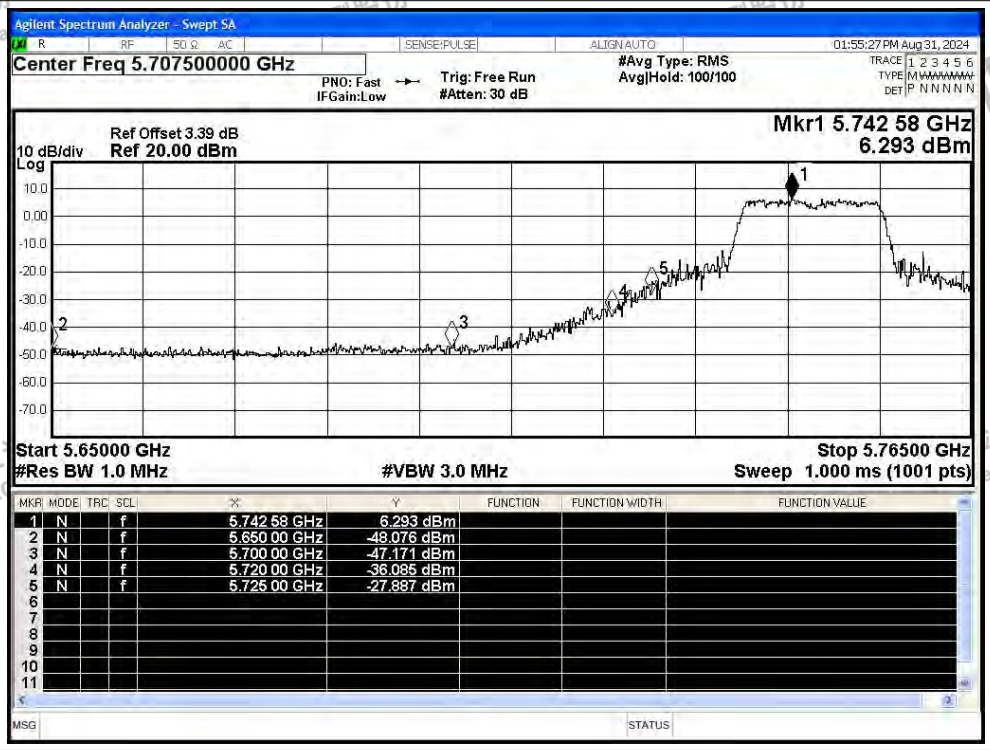
Restrict Band NVNT n40 5795MHz Ant2 Peak



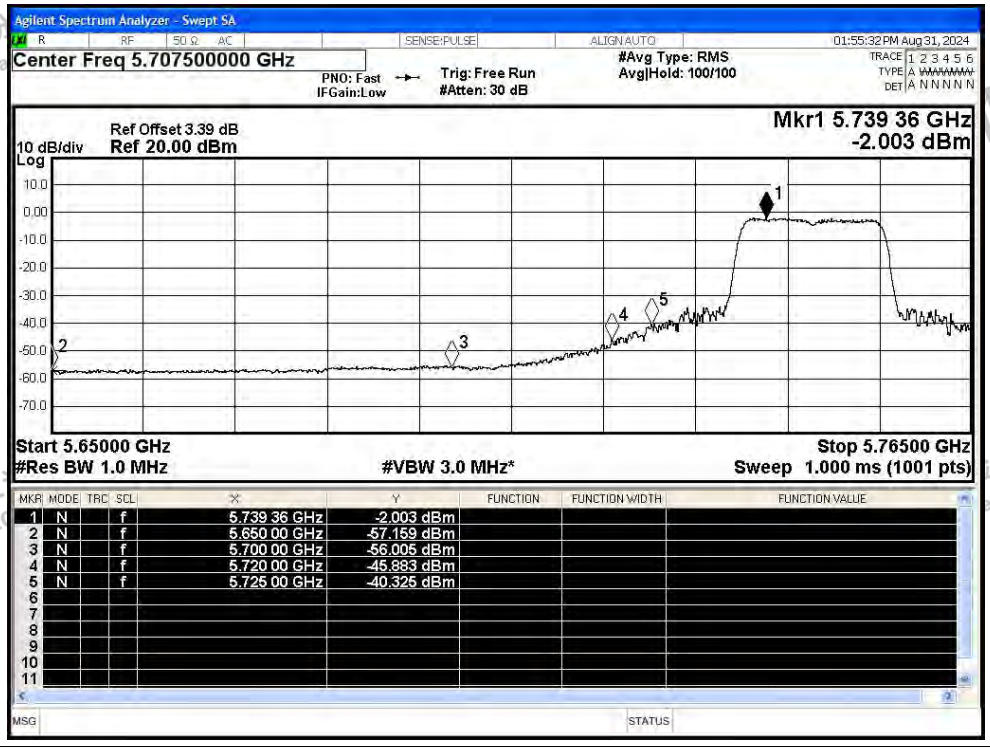

Restrict Band NVNT n40 5795MHz Ant2 Average



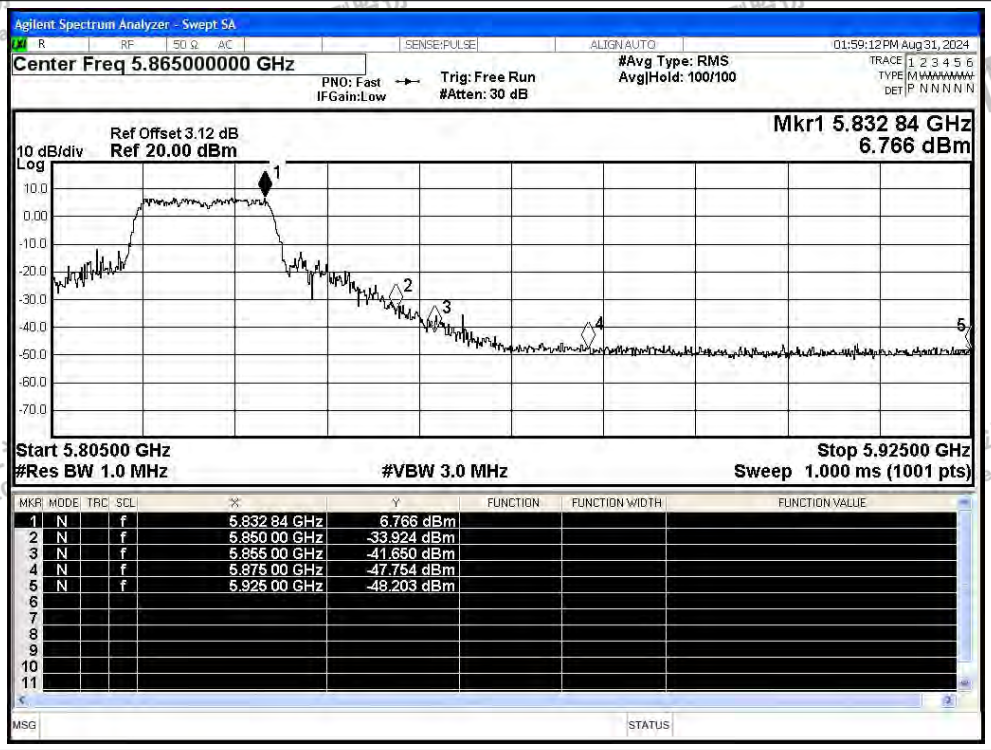
Restrict Band NVNT ac20 5745MHz Ant2 Peak



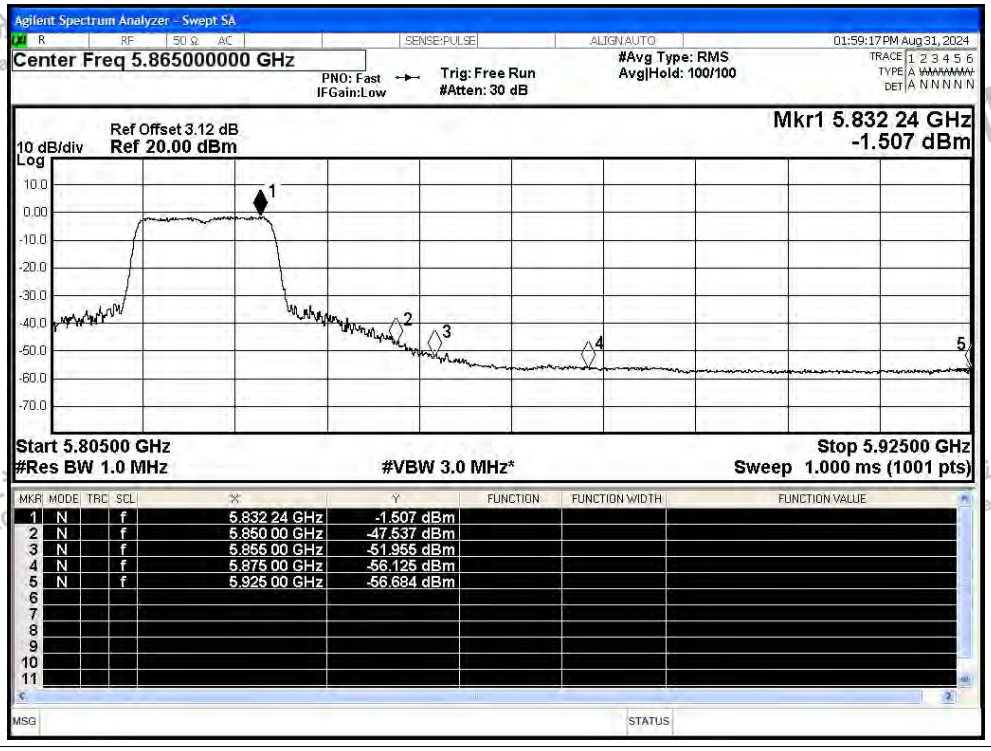

Restrict Band NVNT ac20 5745MHz Ant2 Average



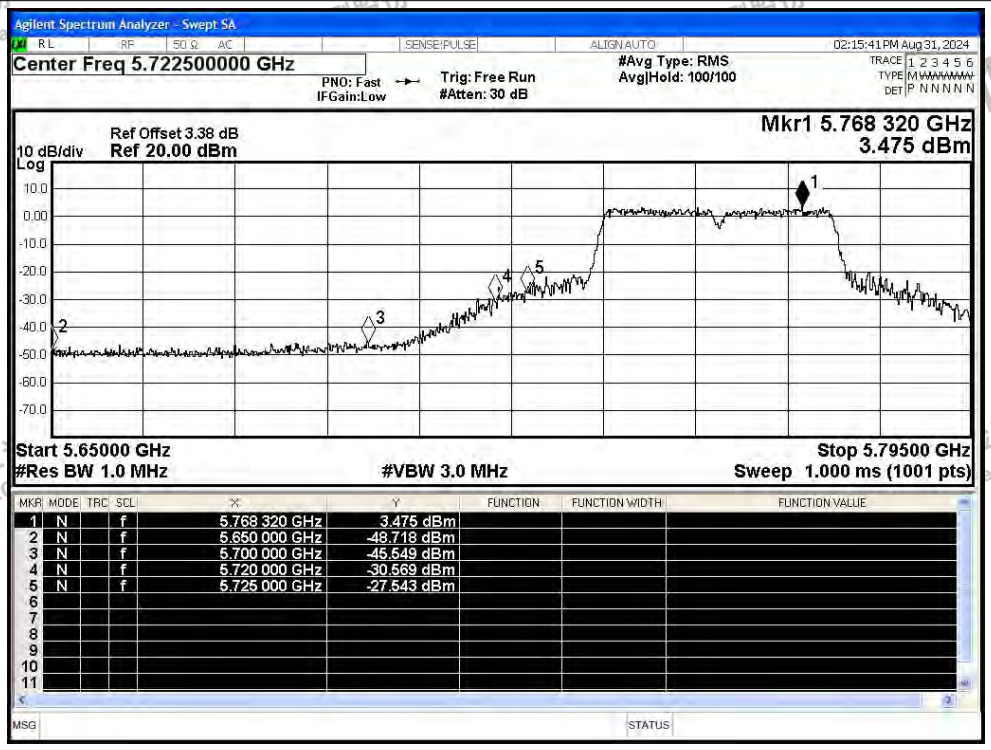
Restrict Band NVNT ac20 5825MHz Ant2 Peak



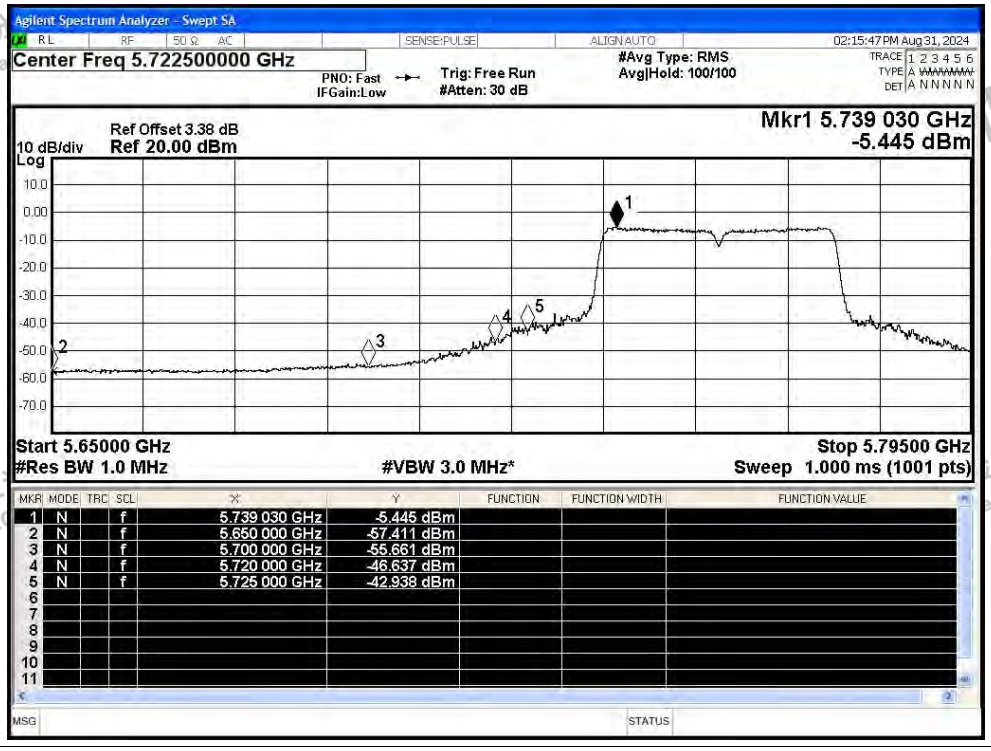

Restrict Band NVNT ac20 5825MHz Ant2 Average



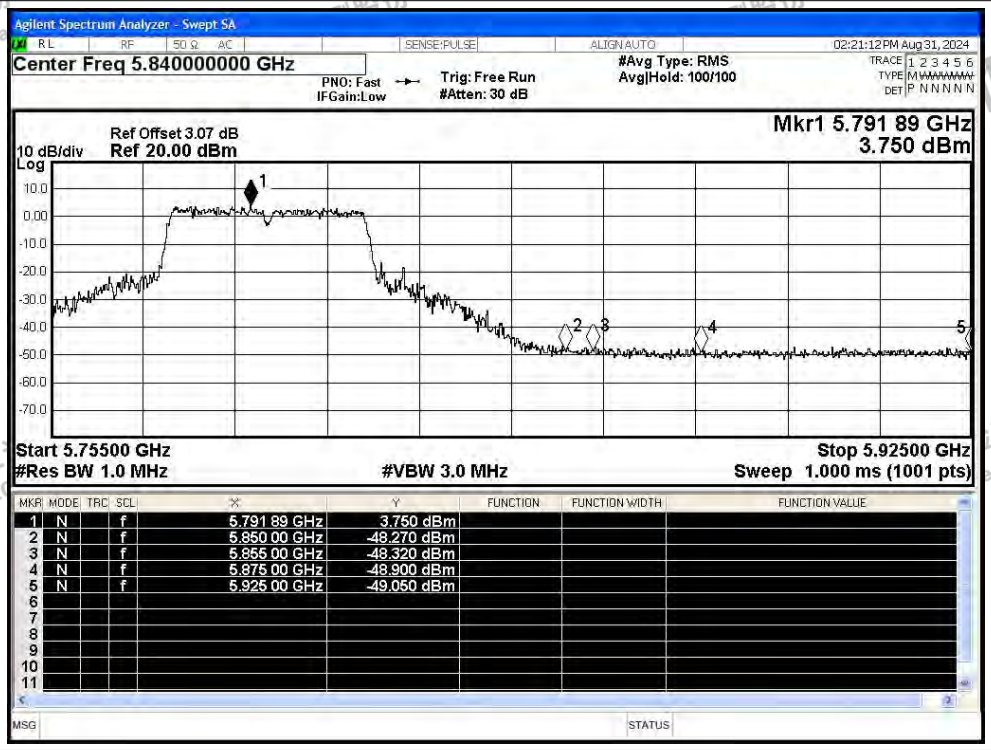
Restrict Band NVNT ac40 5755MHz Ant2 Peak



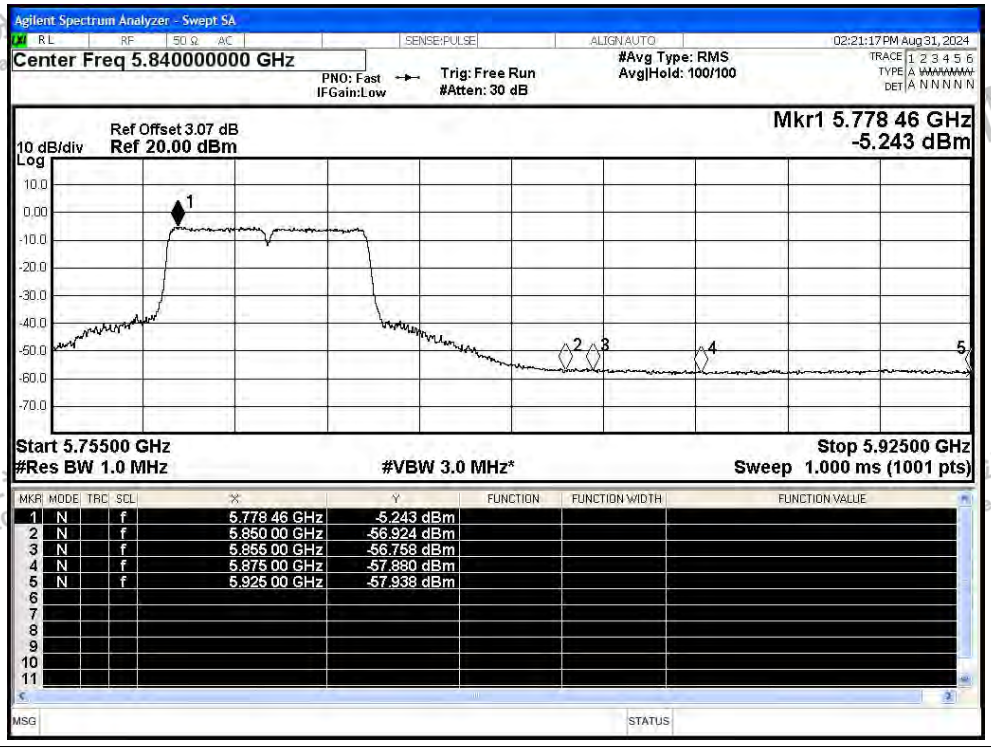

Restrict Band NVNT ac40 5755MHz Ant2 Average



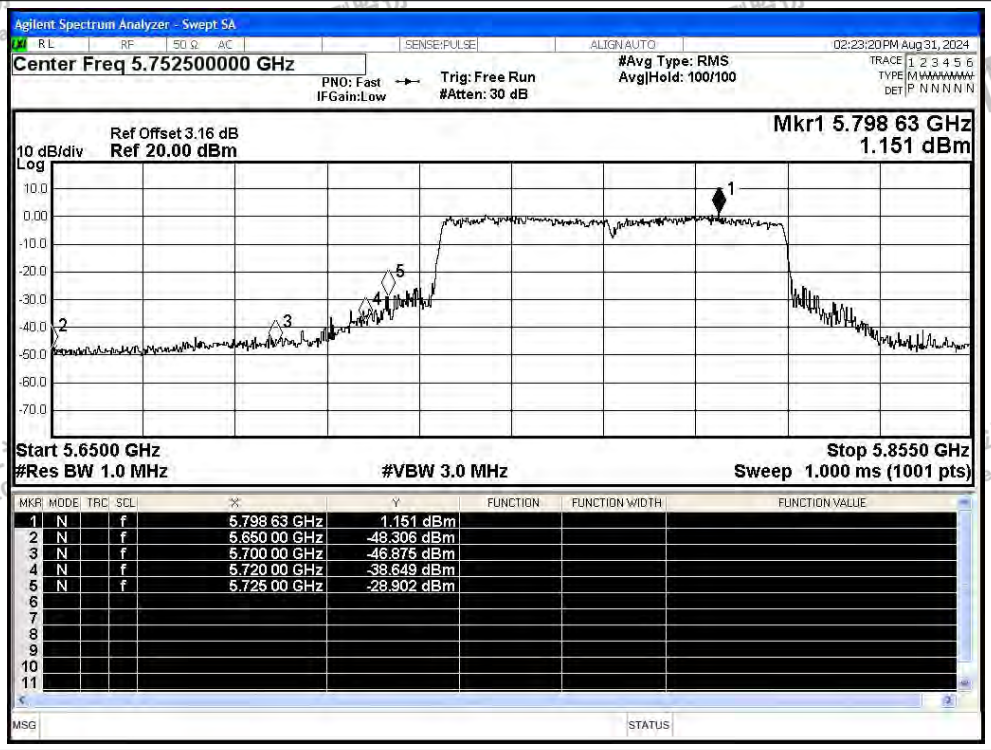
Restrict Band NVNT ac40 5795MHz Ant2 Peak



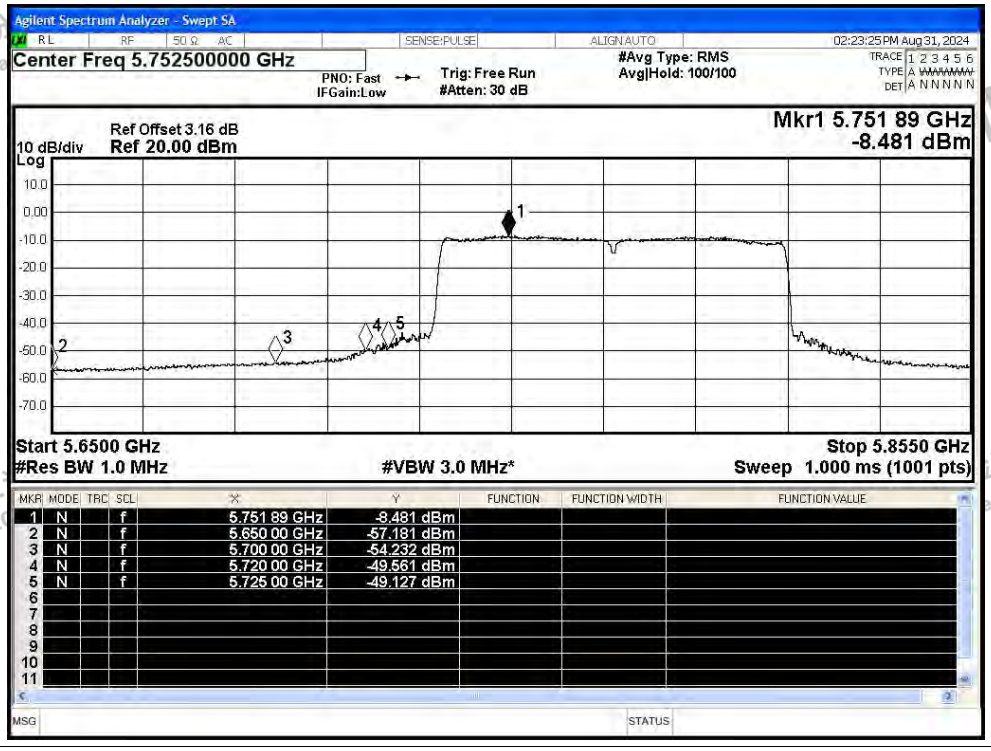

Restrict Band NVNT ac40 5795MHz Ant2 Average



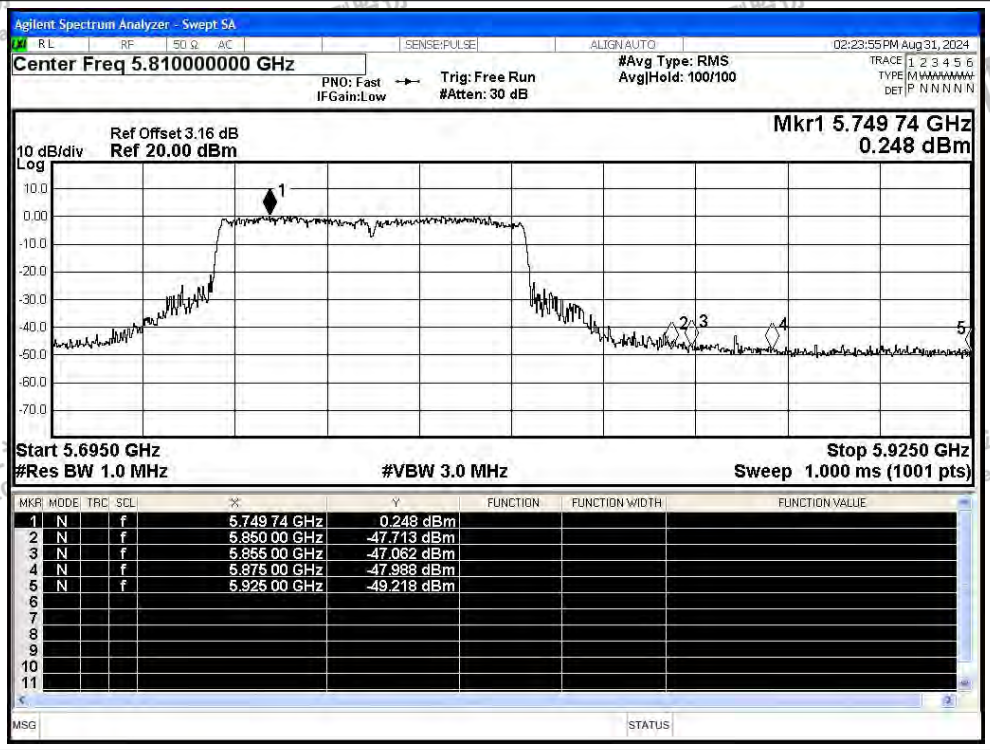
Restrict Band NVNT ac80 5775MHz Ant2 Peak



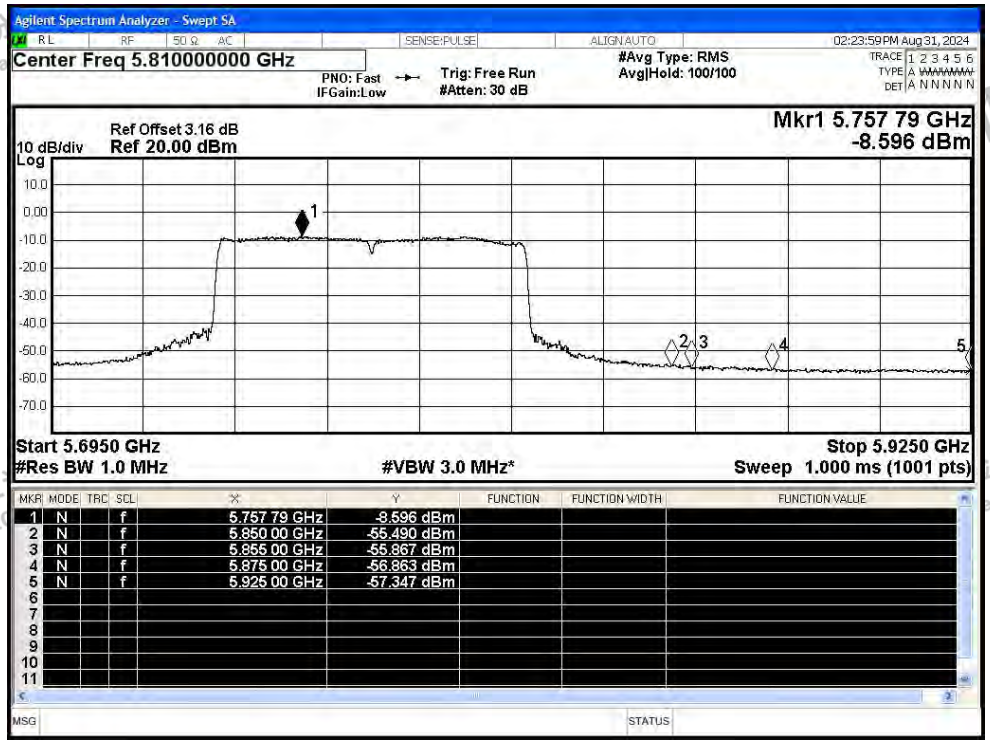

Restrict Band NVNT ac80 5775MHz Ant2 Average



Restrict Band NVNT ac80 5775MHz Ant2 Peak




Restrict Band NVNT ac80 5775MHz Ant2 Average



MIMO

| Condition | Mode | Frequency (MHz) | Ant1 Power (dBm) | Ant2 Power (dBm) | Gain (dBi) | EIRP Power (dBm) | Detector | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| NVNT | n20 | 5745 | -48.72 | -48.63 | 6.01 | -39.65 | Peak | -27 | Pass |
| NVNT | n20 | 5745 | -57.37 | -57.82 | 6.01 | -48.57 | Average | -27 | Pass |
| NVNT | n20 | 5745 | -46.21 | -47.33 | 6.01 | -37.71 | Peak | 10 | Pass |
| NVNT | n20 | 5745 | -55.2 | -55.09 | 6.01 | -46.12 | Average | 10 | Pass |
| NVNT | n20 | 5745 | -23.66 | -32.32 | 6.01 | -17.10 | Peak | 15.6 | Pass |
| NVNT | n20 | 5745 | -44.67 | -45.58 | 6.01 | -36.08 | Average | 15.6 | Pass |
| NVNT | n20 | 5745 | -24.51 | -25.55 | 6.01 | -15.98 | Peak | 27 | Pass |
| NVNT | n20 | 5745 | -40.95 | -42.29 | 6.01 | -32.55 | Average | 27 | Pass |
| NVNT | n20 | 5825 | -33.59 | -33.68 | 6.01 | -24.61 | Peak | 27 | Pass |
| NVNT | n20 | 5825 | -48.16 | -48.05 | 6.01 | -39.08 | Average | 27 | Pass |
| NVNT | n20 | 5825 | -42.39 | -39.19 | 6.01 | -31.48 | Peak | 15.6 | Pass |
| NVNT | n20 | 5825 | -53.97 | -52.9 | 6.01 | -44.38 | Average | 15.6 | Pass |
| NVNT | n20 | 5825 | -47.29 | -48.2 | 6.01 | -38.70 | Peak | 10 | Pass |
| NVNT | n20 | 5825 | -55.54 | -56.06 | 6.01 | -46.77 | Average | 10 | Pass |
| NVNT | n20 | 5825 | -47.84 | -48.51 | 6.01 | -39.14 | Peak | -27 | Pass |
| NVNT | n20 | 5825 | -56.97 | -56.66 | 6.01 | -47.79 | Average | -27 | Pass |
| NVNT | n40 | 5755 | -48.11 | -50.19 | 6.01 | -40.01 | Peak | -27 | Pass |
| NVNT | n40 | 5755 | -57.64 | -56.95 | 6.01 | -48.26 | Average | -27 | Pass |
| NVNT | n40 | 5755 | -44.51 | -48.1 | 6.01 | -36.92 | Peak | 10 | Pass |
| NVNT | n40 | 5755 | -53.55 | -55.69 | 6.01 | -45.47 | Average | 10 | Pass |
| NVNT | n40 | 5755 | -31.83 | -33.79 | 6.01 | -23.68 | Peak | 15.6 | Pass |
| NVNT | n40 | 5755 | -44.88 | -47.28 | 6.01 | -36.90 | Average | 15.6 | Pass |
| NVNT | n40 | 5755 | -24.13 | -28.61 | 6.01 | -16.80 | Peak | 27 | Pass |
| NVNT | n40 | 5755 | -39.81 | -43.5 | 6.01 | -32.25 | Average | 27 | Pass |
| NVNT | n40 | 5795 | -47.93 | -48.26 | 6.01 | -39.07 | Peak | 27 | Pass |
| NVNT | n40 | 5795 | -55.68 | -57.49 | 6.01 | -47.47 | Average | 27 | Pass |
| NVNT | n40 | 5795 | -47.92 | -50.28 | 6.01 | -39.92 | Peak | 15.6 | Pass |
| NVNT | n40 | 5795 | -56.54 | -56.83 | 6.01 | -47.66 | Average | 15.6 | Pass |
| NVNT | n40 | 5795 | -49.83 | -50.3 | 6.01 | -41.04 | Peak | 10 | Pass |
| NVNT | n40 | 5795 | -57.75 | -57.87 | 6.01 | -48.79 | Average | 10 | Pass |
| NVNT | n40 | 5795 | -50.02 | -48.93 | 6.01 | -40.42 | Peak | -27 | Pass |
| NVNT | n40 | 5795 | -57.71 | -57.69 | 6.01 | -48.68 | Average | -27 | Pass |
| NVNT | ac20 | 5745 | -49.03 | -48.08 | 6.01 | -39.51 | Peak | -27 | Pass |
| NVNT | ac20 | 5745 | -56.6 | -57.16 | 6.01 | -47.85 | Average | -27 | Pass |
| NVNT | ac20 | 5745 | -46.79 | -47.17 | 6.01 | -37.96 | Peak | 10 | Pass |
| NVNT | ac20 | 5745 | -55.69 | -56.01 | 6.01 | -46.83 | Average | 10 | Pass |
| NVNT | ac20 | 5745 | -28 | -36.09 | 6.01 | -21.36 | Peak | 15.6 | Pass |
| NVNT | ac20 | 5745 | -43.47 | -45.88 | 6.01 | -35.49 | Average | 15.6 | Pass |
| NVNT | ac20 | 5745 | -21.92 | -27.89 | 6.01 | -14.93 | Peak | 27 | Pass |

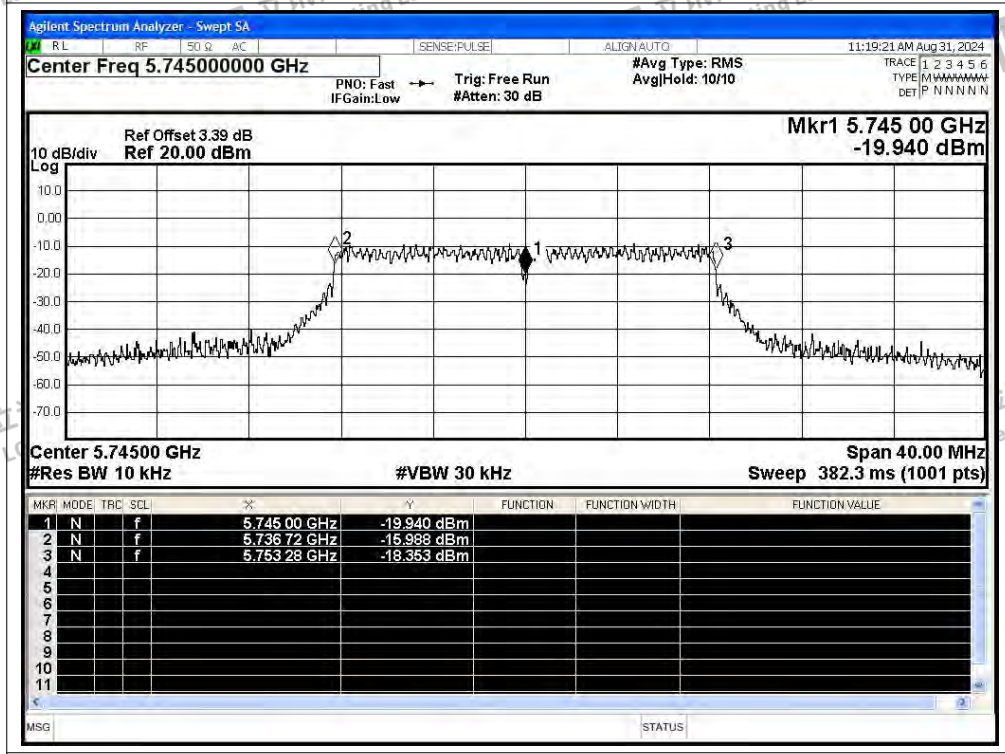
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| NVNT | ac20 | 5745 | -39.46 | -40.33 | 6.01 | -30.85 | Average | 27 | Pass |
| NVNT | ac20 | 5825 | -34.95 | -33.92 | 6.01 | -25.38 | Peak | 27 | Pass |
| NVNT | ac20 | 5825 | -47.66 | -47.54 | 6.01 | -38.58 | Average | 27 | Pass |
| NVNT | ac20 | 5825 | -44.55 | -41.65 | 6.01 | -33.84 | Peak | 15.6 | Pass |
| NVNT | ac20 | 5825 | -53.02 | -51.96 | 6.01 | -43.44 | Average | 15.6 | Pass |
| NVNT | ac20 | 5825 | -49.03 | -47.75 | 6.01 | -39.32 | Peak | 10 | Pass |
| NVNT | ac20 | 5825 | -55.93 | -56.13 | 6.01 | -47.01 | Average | 10 | Pass |
| NVNT | ac20 | 5825 | -48.89 | -48.2 | 6.01 | -39.51 | Peak | -27 | Pass |
| NVNT | ac20 | 5825 | -56.61 | -56.68 | 6.01 | -47.62 | Average | -27 | Pass |
| NVNT | ac40 | 5755 | -49.28 | -48.72 | 6.01 | -39.97 | Peak | -27 | Pass |
| NVNT | ac40 | 5755 | -56.72 | -57.41 | 6.01 | -48.03 | Average | -27 | Pass |
| NVNT | ac40 | 5755 | -45.32 | -45.55 | 6.01 | -36.41 | Peak | 10 | Pass |
| NVNT | ac40 | 5755 | -54.57 | -55.66 | 6.01 | -46.06 | Average | 10 | Pass |
| NVNT | ac40 | 5755 | -24.04 | -30.57 | 6.01 | -17.16 | Peak | 15.6 | Pass |
| NVNT | ac40 | 5755 | -44.23 | -46.64 | 6.01 | -36.25 | Average | 15.6 | Pass |
| NVNT | ac40 | 5755 | -26.22 | -27.54 | 6.01 | -17.81 | Peak | 27 | Pass |
| NVNT | ac40 | 5755 | -41.12 | -42.94 | 6.01 | -32.92 | Average | 27 | Pass |
| NVNT | ac40 | 5795 | -48.7 | -48.27 | 6.01 | -39.46 | Peak | 27 | Pass |
| NVNT | ac40 | 5795 | -55.19 | -56.92 | 6.01 | -46.95 | Average | 27 | Pass |
| NVNT | ac40 | 5795 | -47.93 | -48.32 | 6.01 | -39.10 | Peak | 15.6 | Pass |
| NVNT | ac40 | 5795 | -56.09 | -56.76 | 6.01 | -47.39 | Average | 15.6 | Pass |
| NVNT | ac40 | 5795 | -50.37 | -48.9 | 6.01 | -40.55 | Peak | 10 | Pass |
| NVNT | ac40 | 5795 | -57.51 | -57.88 | 6.01 | -48.67 | Average | 10 | Pass |
| NVNT | ac40 | 5795 | -50.31 | -49.05 | 6.01 | -40.61 | Peak | -27 | Pass |
| NVNT | ac40 | 5795 | -57.41 | -57.94 | 6.01 | -48.65 | Average | -27 | Pass |
| NVNT | ac80 | 5775 | -45.96 | -48.31 | 6.01 | -37.96 | Peak | -27 | Pass |
| NVNT | ac80 | 5775 | -56.32 | -57.18 | 6.01 | -47.71 | Average | -27 | Pass |
| NVNT | ac80 | 5775 | -44.3 | -46.88 | 6.01 | -36.38 | Peak | 10 | Pass |
| NVNT | ac80 | 5775 | -52.61 | -54.23 | 6.01 | -44.32 | Average | 10 | Pass |
| NVNT | ac80 | 5775 | -30.96 | -38.65 | 6.01 | -24.27 | Peak | 15.6 | Pass |
| NVNT | ac80 | 5775 | -47.27 | -49.56 | 6.01 | -39.25 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | -29.09 | -28.9 | 6.01 | -19.97 | Peak | 27 | Pass |
| NVNT | ac80 | 5775 | -44.17 | -49.13 | 6.01 | -36.96 | Average | 27 | Pass |
| NVNT | ac80 | 5775 | -41.17 | -47.71 | 6.01 | -34.29 | Peak | 27 | Pass |
| NVNT | ac80 | 5775 | -49.94 | -55.49 | 6.01 | -42.86 | Average | 27 | Pass |
| NVNT | ac80 | 5775 | -40.53 | -47.06 | 6.01 | -33.65 | Peak | 15.6 | Pass |
| NVNT | ac80 | 5775 | -50.29 | -55.87 | 6.01 | -43.22 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | -44.32 | -47.99 | 6.01 | -36.76 | Peak | 10 | Pass |
| NVNT | ac80 | 5775 | -54.24 | -56.86 | 6.01 | -46.34 | Average | 10 | Pass |
| NVNT | ac80 | 5775 | -50.19 | -49.22 | 6.01 | -40.66 | Peak | -27 | Pass |
| NVNT | ac80 | 5775 | -57.01 | -57.35 | 6.01 | -48.16 | Average | -27 | Pass |

## C.5 Frequency Stability

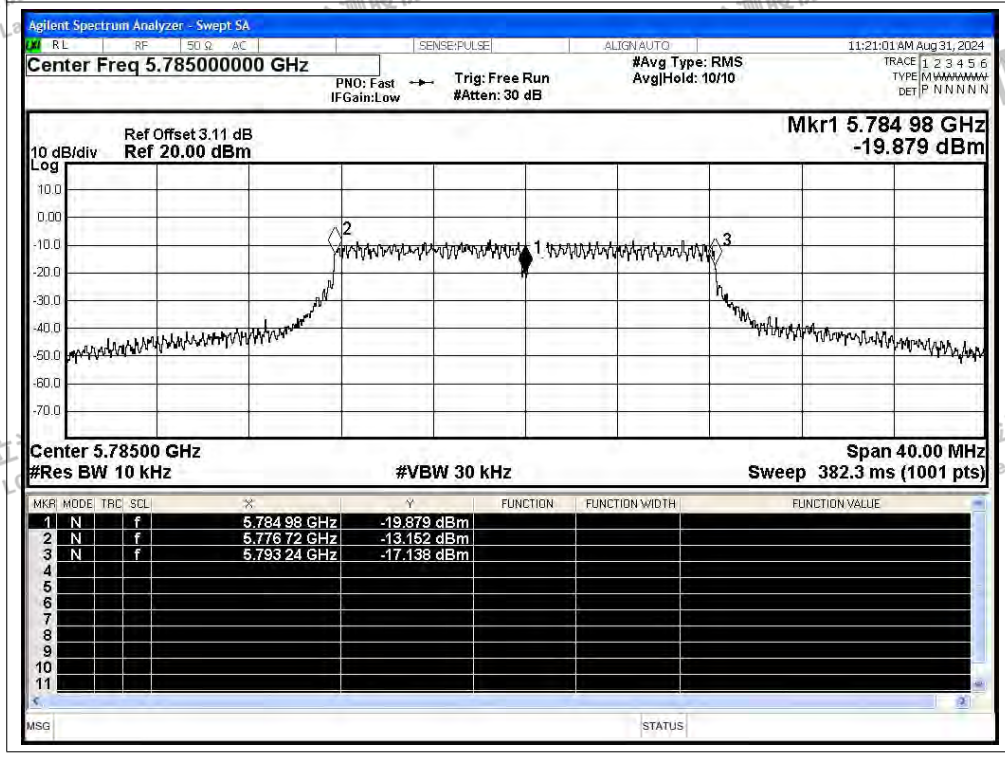
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | 5745 | 0 | 0 | 25 | Pass |
| NVNT | a | 5785 | Ant1 | 5784.98 | -20000 | -3.46 | 25 | Pass |
| NVNT | a | 5825 | Ant1 | 5824.98 | -20000 | -3.43 | 25 | Pass |
| NVNT | n20 | 5745 | Ant1 | 5745 | 0 | 0 | 25 | Pass |
| NVNT | n20 | 5785 | Ant1 | 5785 | 0 | 0 | 25 | Pass |
| NVNT | n20 | 5825 | Ant1 | 5824.98 | -20000 | -3.43 | 25 | Pass |
| NVNT | n40 | 5755 | Ant1 | 5754.96 | -40000 | -6.95 | 25 | Pass |
| NVNT | n40 | 5795 | Ant1 | 5794.96 | -40000 | -6.9 | 25 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5744.98 | -20000 | -3.48 | 25 | Pass |
| NVNT | ac20 | 5785 | Ant1 | 5784.98 | -20000 | -3.46 | 25 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5825 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5755 | 0 | 0 | 25 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5794.96 | -40000 | -6.9 | 25 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5775 | 0 | 0 | 25 | Pass |

Test Graphs

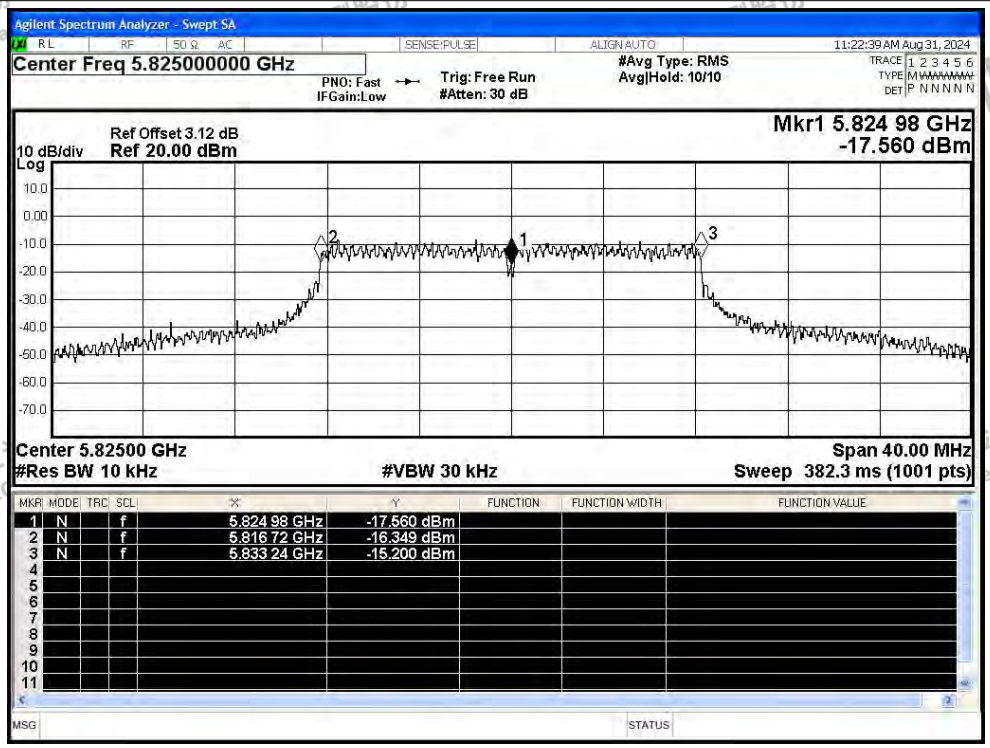
Freq. Stability NVNT a 5745MHz Ant1



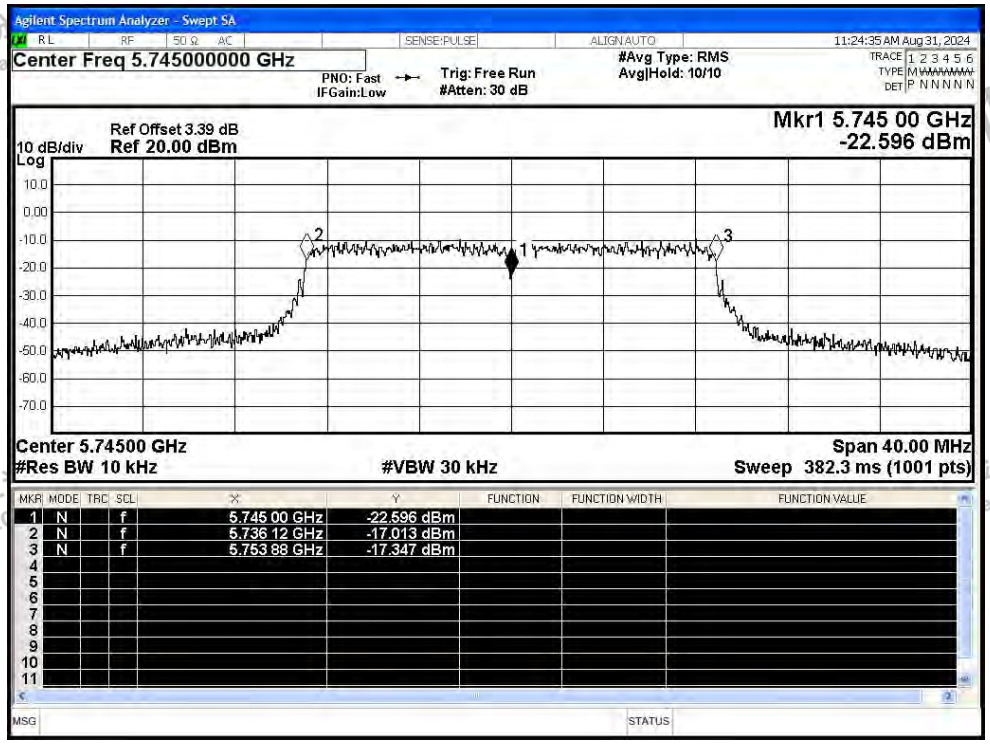

Freq. Stability NVNT a 5785MHz Ant1



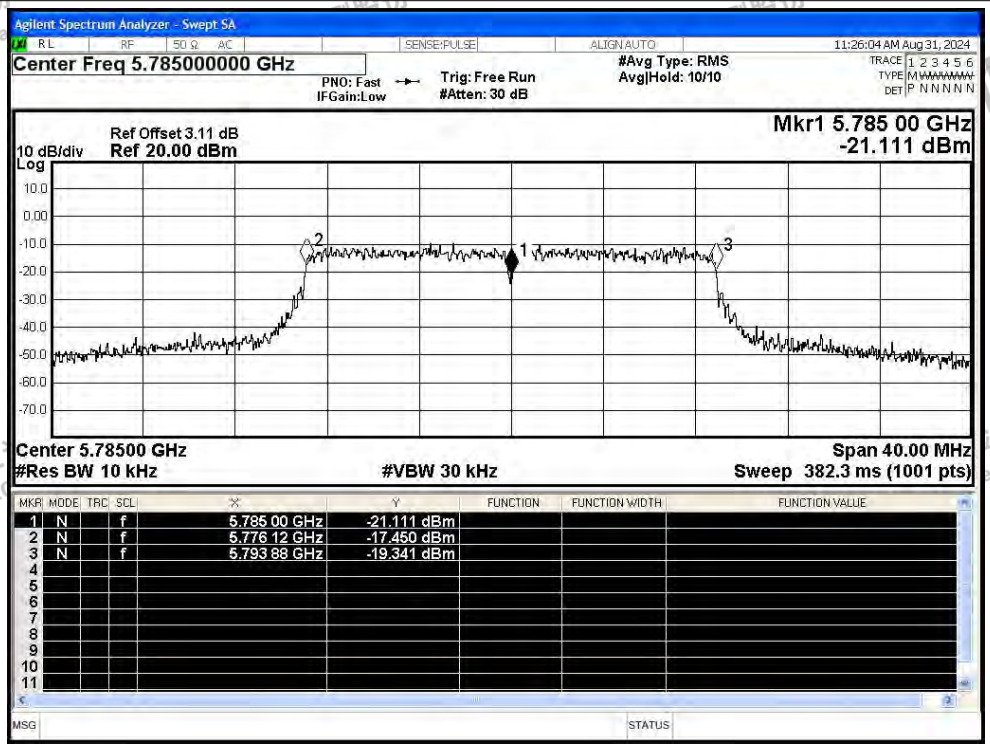
Freq. Stability NVNT a 5825MHz Ant1



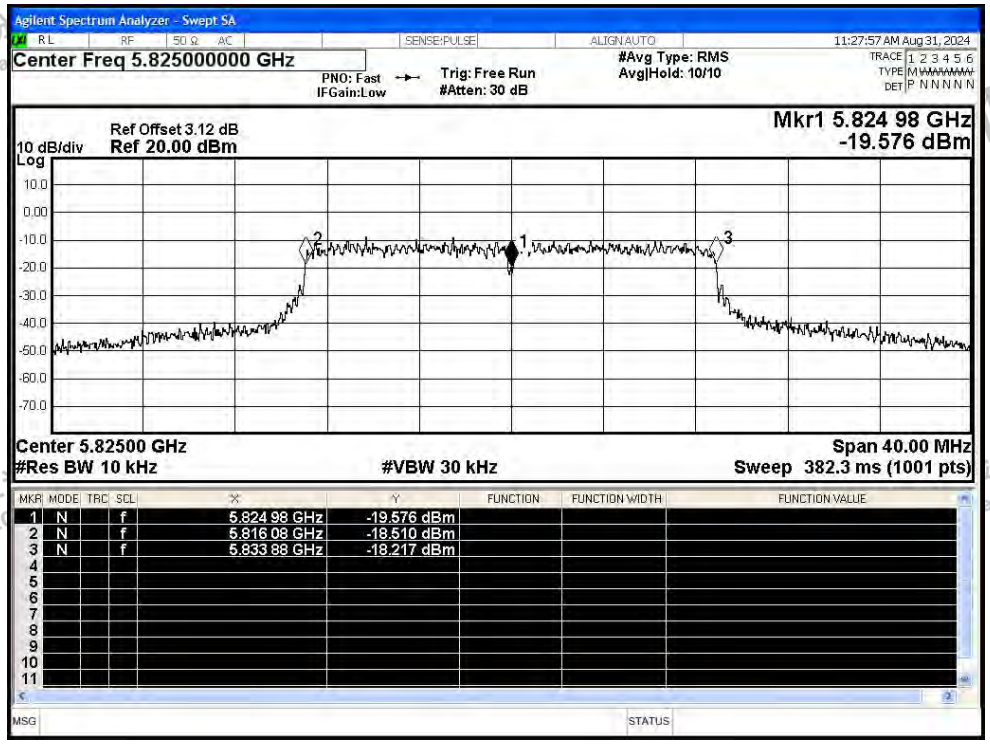

Freq. Stability NVNT n20 5745MHz Ant1



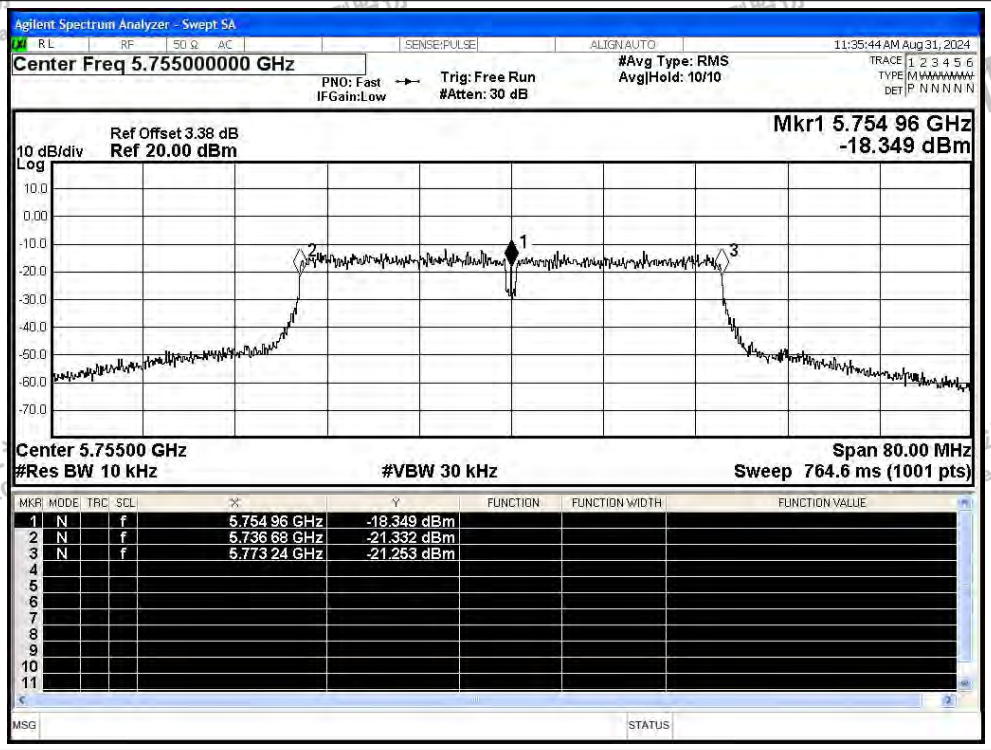
Freq. Stability NVNT n20 5785MHz Ant1



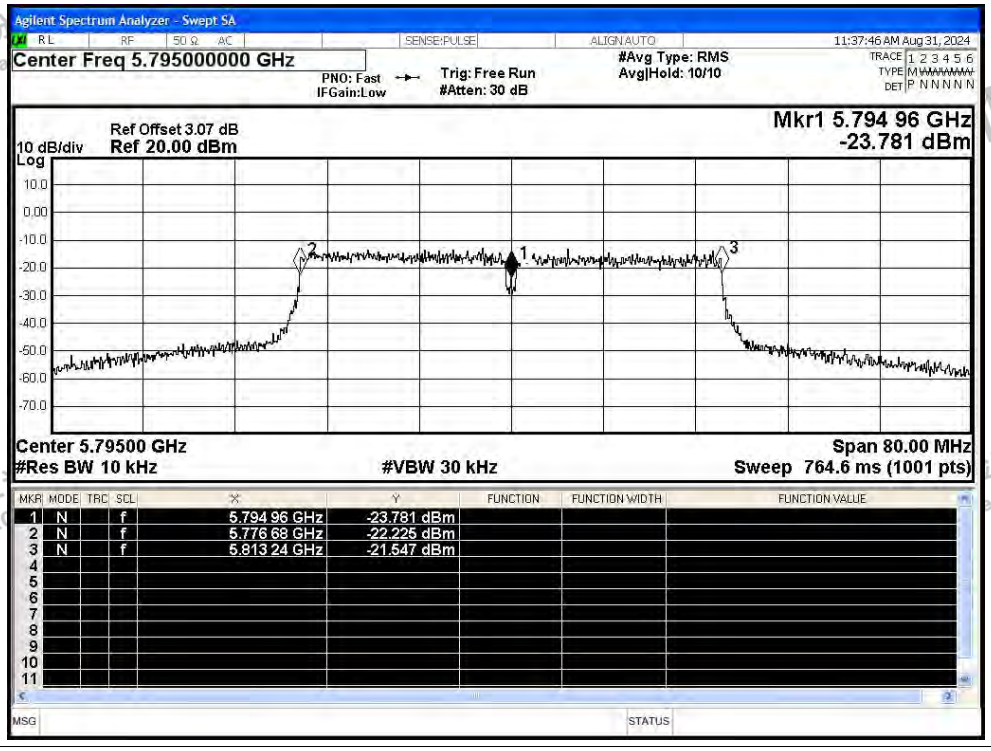

Freq. Stability NVNT n20 5825MHz Ant1



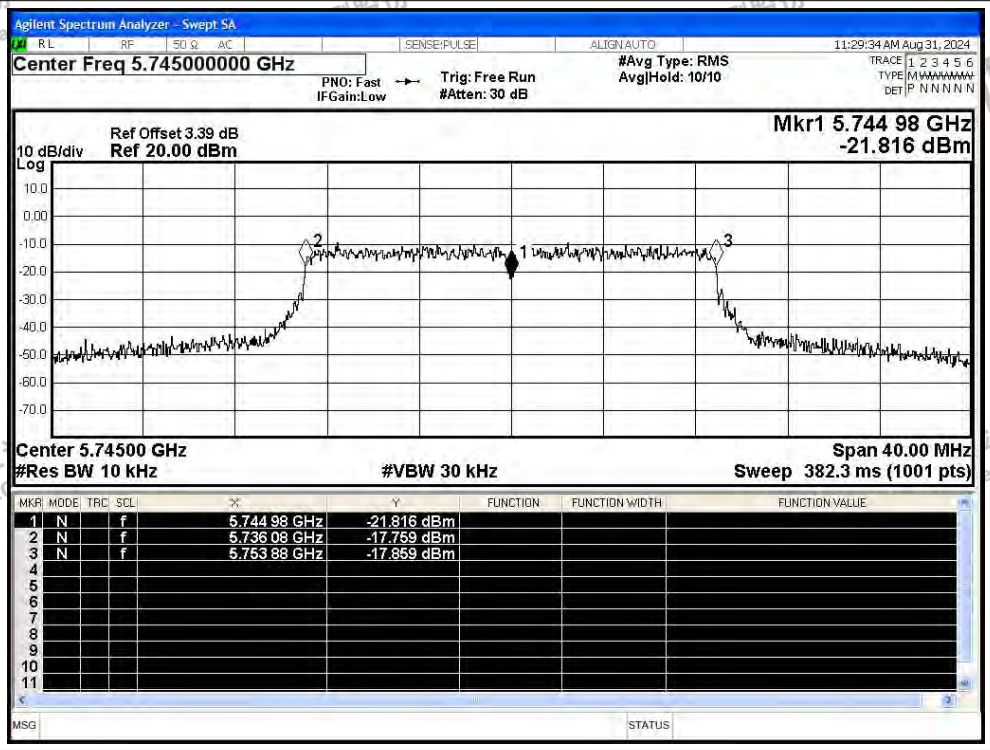
Freq. Stability NVNT n40 5755MHz Ant1



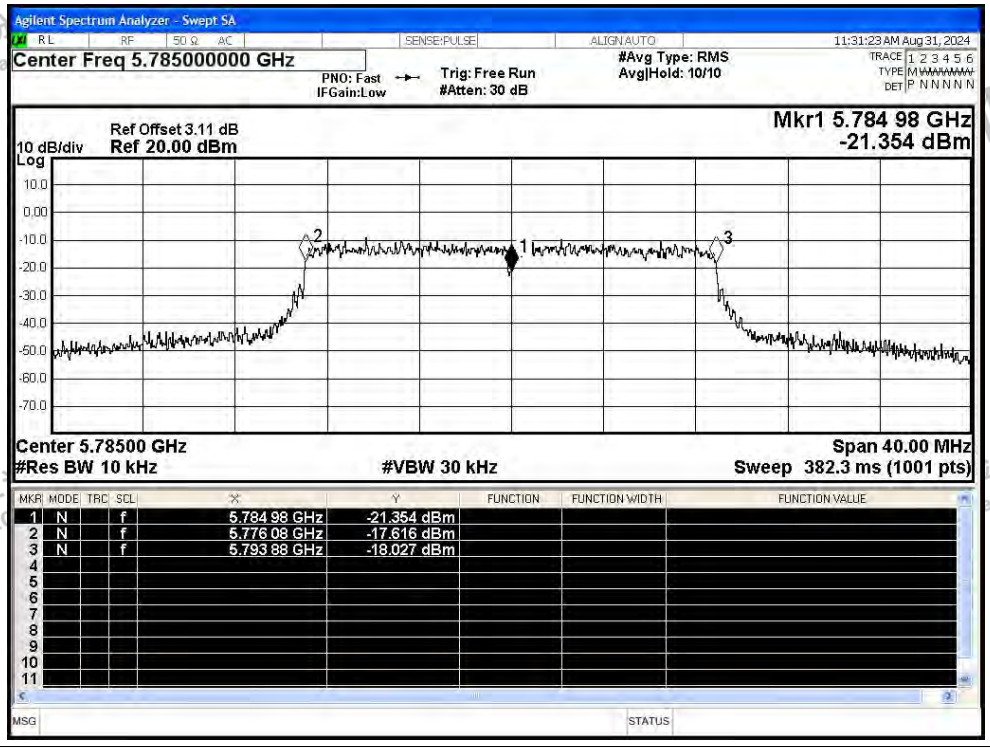

Freq. Stability NVNT n40 5795MHz Ant1



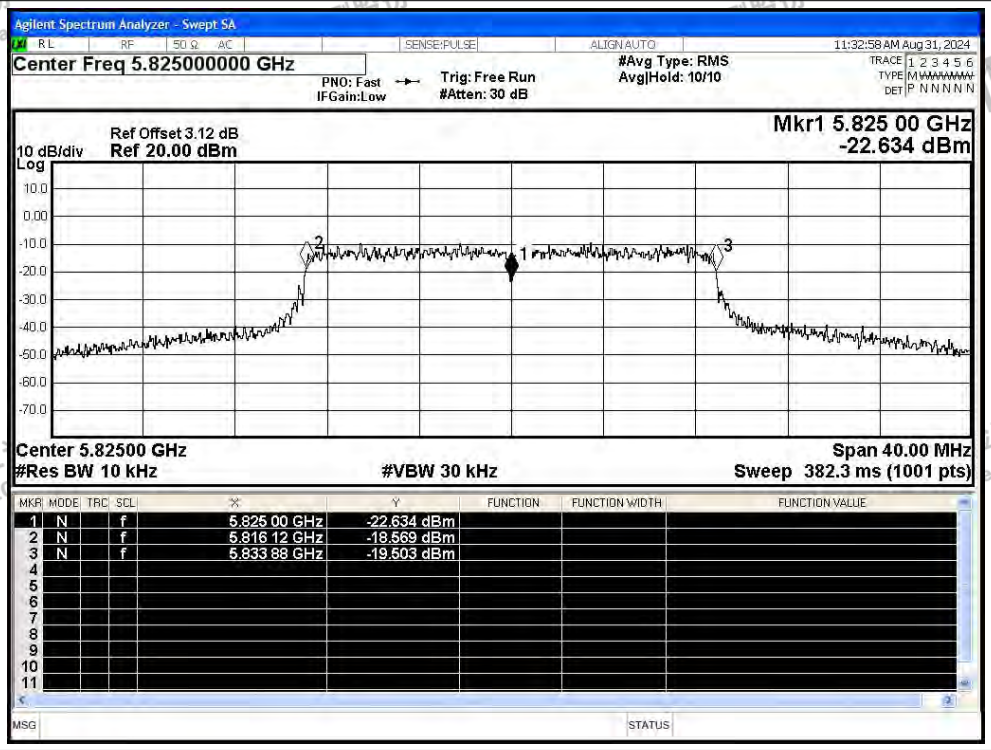
Freq. Stability NVNT ac20 5745MHz Ant1

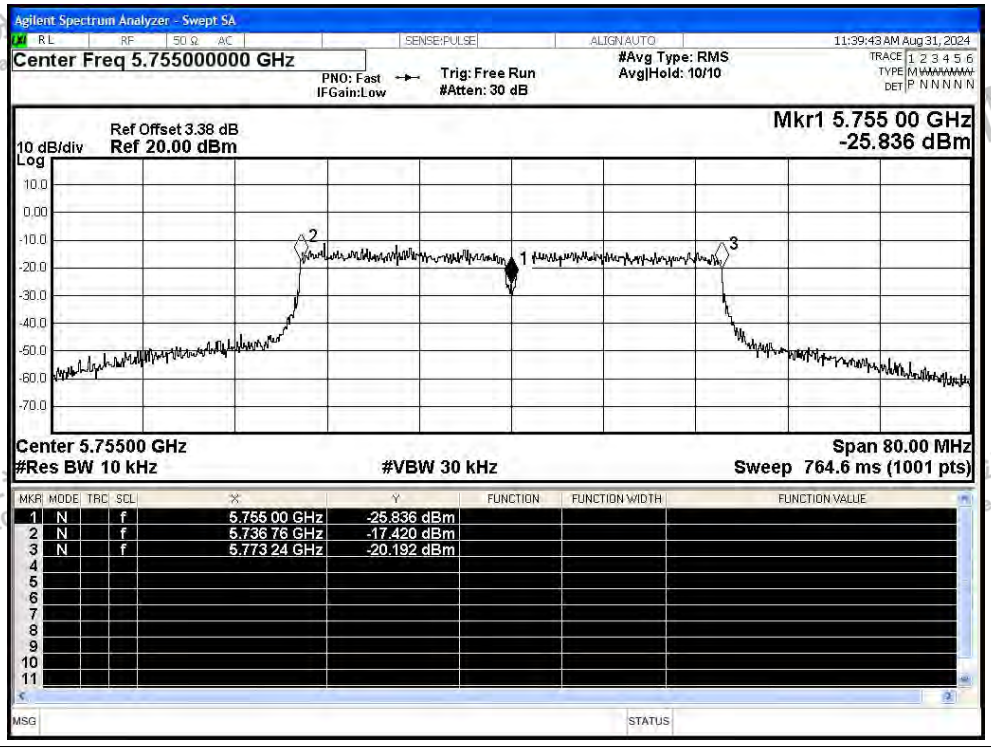



Freq. Stability NVNT ac20 5785MHz Ant1



Freq. Stability NVNT ac20 5825MHz Ant1




Freq. Stability NVNT ac40 5755MHz Ant1