

Appendix for 15.407

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Duty Cycle

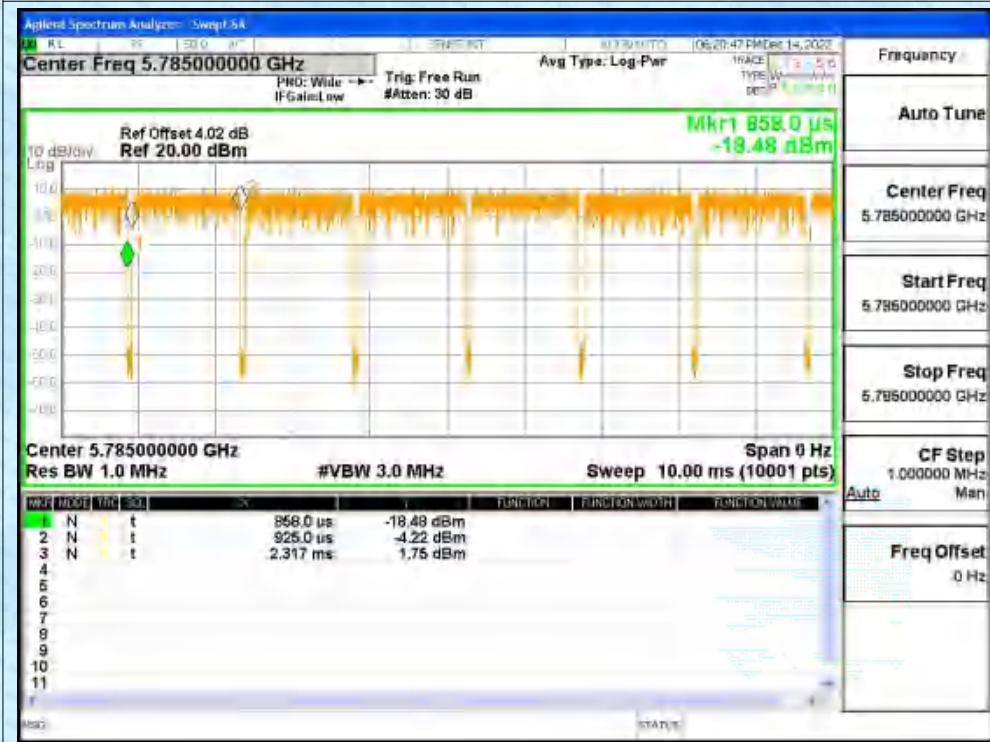
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT | a | 5745 | Ant1 | 95.41 | 0.2 | 0.72 |
| | | 5785 | | 95.41 | 0.2 | 0.72 |
| | | 5825 | | 95.41 | 0.2 | 0.72 |
| | n20 | 5745 | | 98.72 | 0 | 0.2 |
| | | 5785 | | 98.72 | 0 | 0.2 |
| | | 5825 | | 98.7 | 0 | 0.2 |
| | n40 | 5755 | | 97.24 | 0.12 | 0.4 |
| | | 5795 | | 97.24 | 0.12 | 0.4 |

Test Graphs

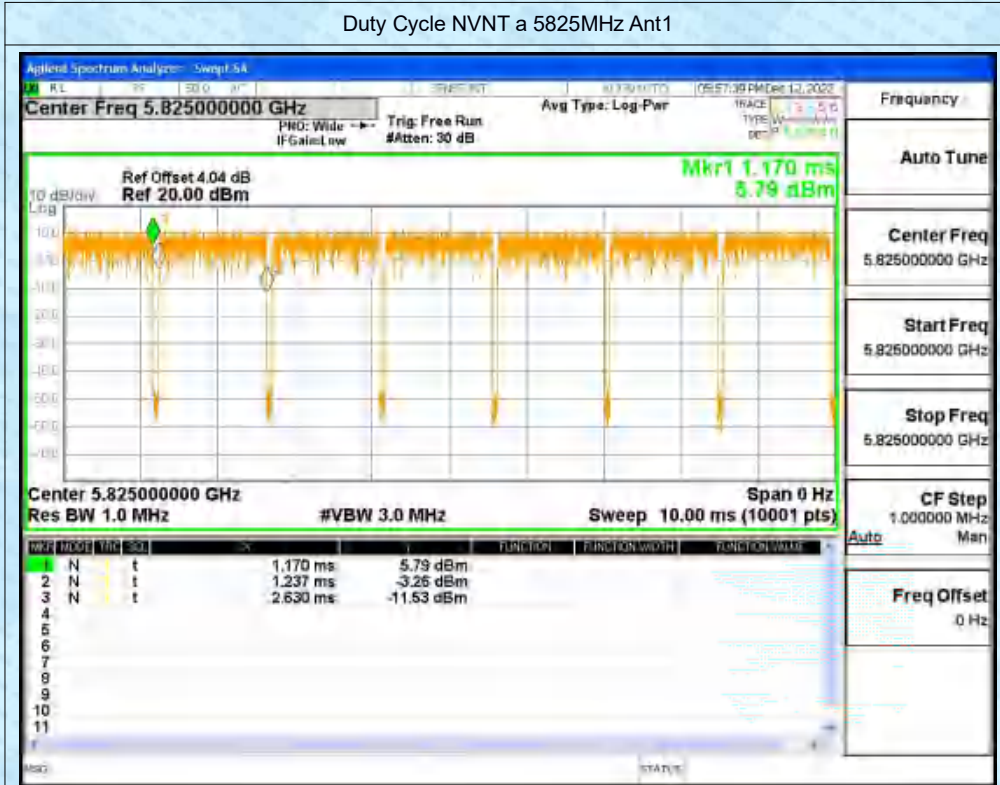
Duty Cycle NVNT a 5745MHz Ant1



Duty Cycle NVNT a 5785MHz Ant1



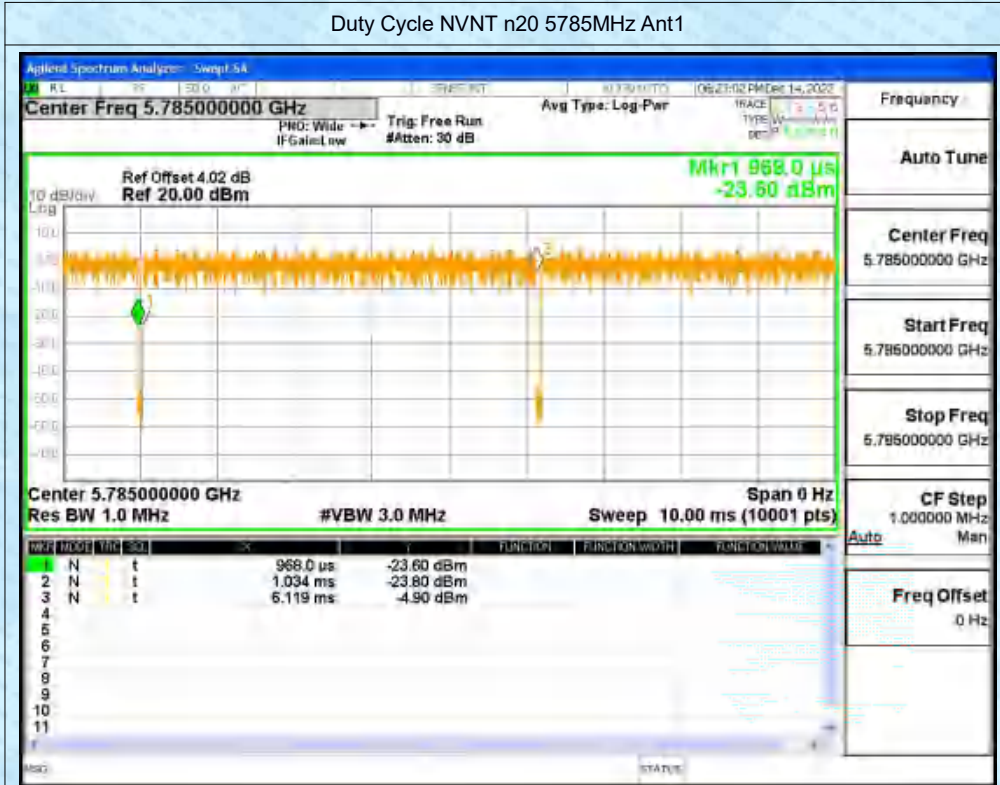
Duty Cycle NVNT a 5825MHz Ant1



Duty Cycle NVNT n20 5745MHz Ant1



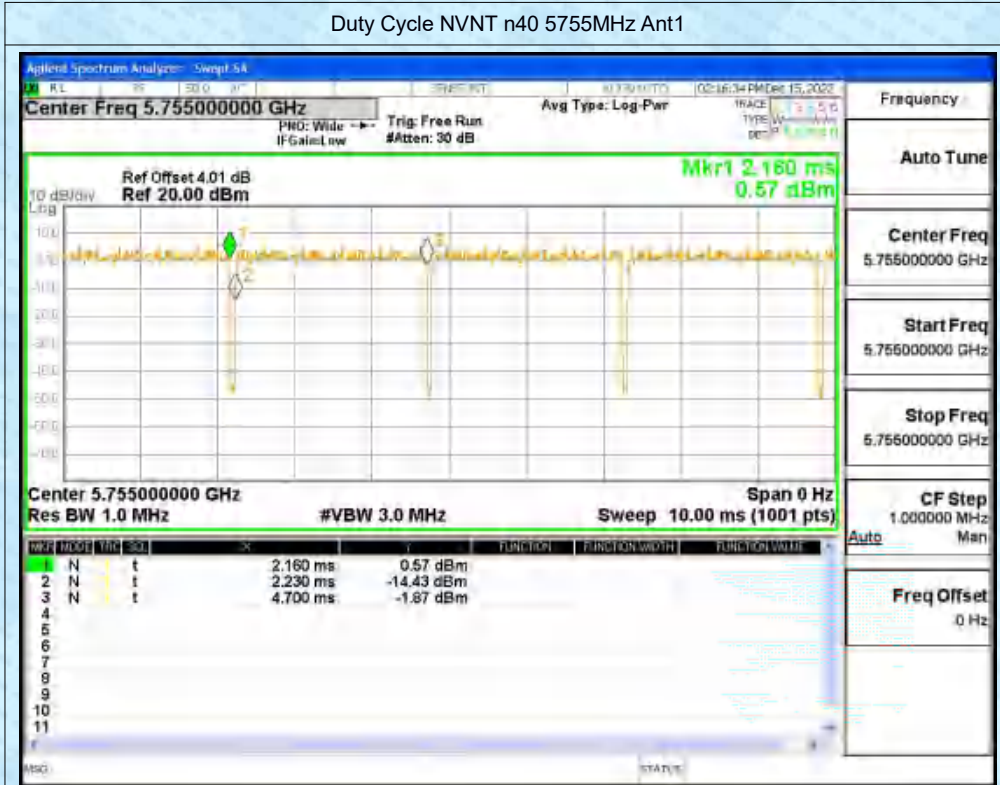
Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

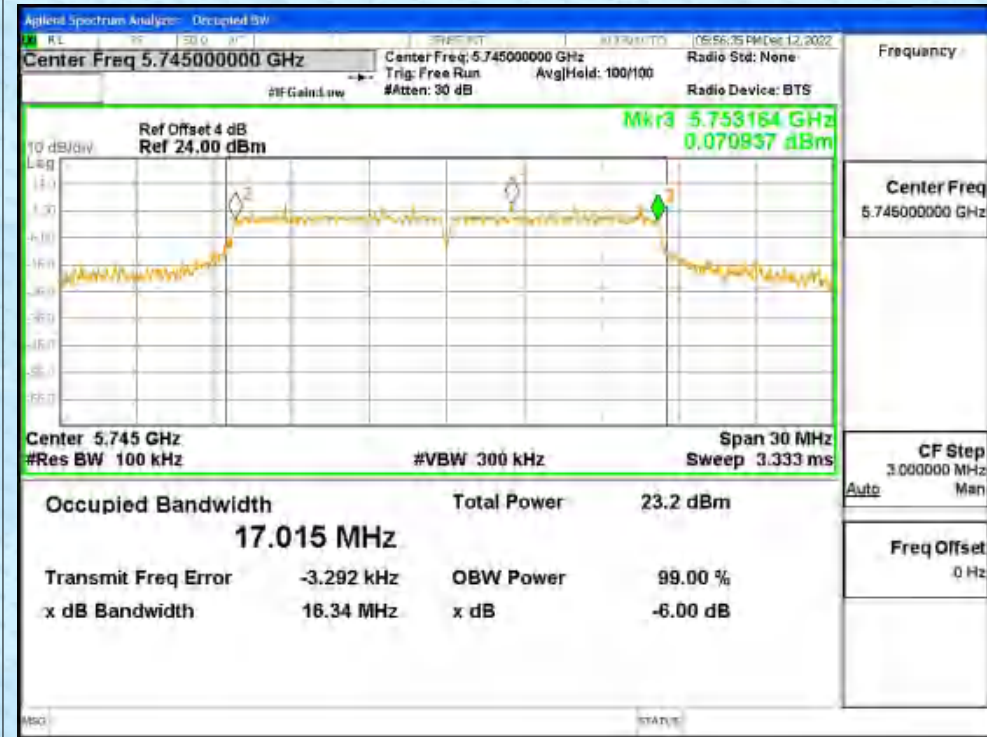
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT | a | 5745 | Ant1 | 5.45 | 0 | 5.45 | 30 | Pass |
| | | 5785 | | 5.48 | 0 | 5.48 | 30 | Pass |
| | | 5825 | | 5.50 | 0 | 5.50 | 30 | Pass |
| | n20 | 5745 | | 5.45 | 0 | 5.45 | 30 | Pass |
| | | 5785 | | 5.50 | 0 | 5.50 | 30 | Pass |
| | | 5825 | | 5.51 | 0 | 5.51 | 30 | Pass |
| | n40 | 5755 | | 5.45 | 0 | 5.45 | 30 | Pass |
| | | 5795 | | 5.47 | 0 | 5.47 | 30 | Pass |

-6dB Bandwidth

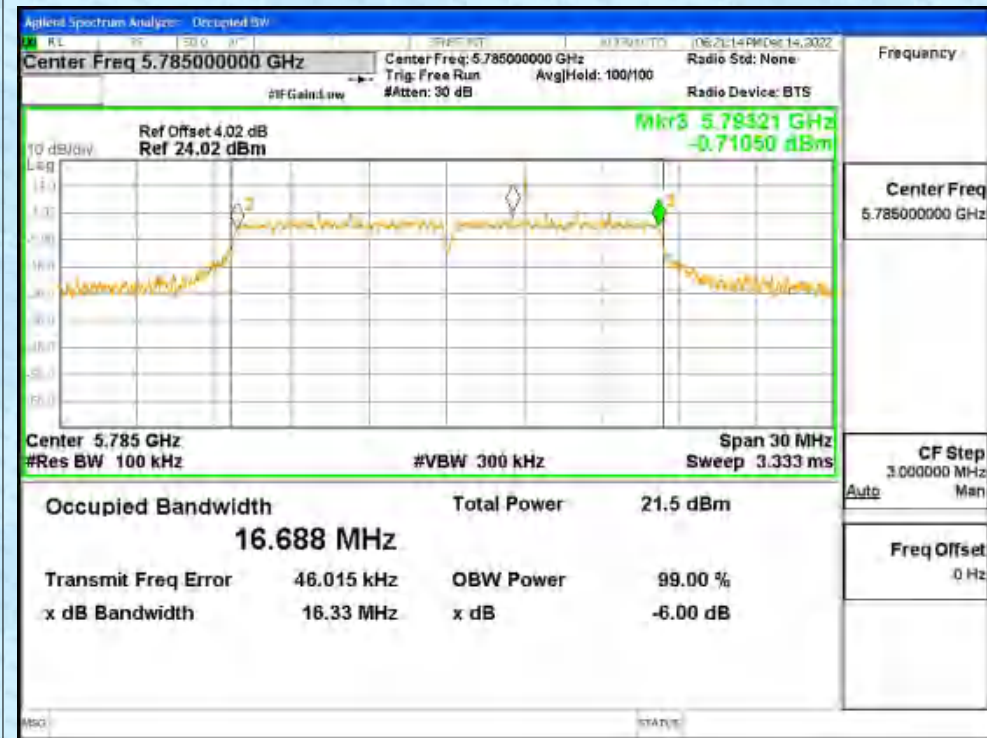
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | a | 5745 | Ant1 | 16.335 | 0.5 | Pass |
| | | 5785 | | 16.328 | 0.5 | Pass |
| | | 5825 | | 16.319 | 0.5 | Pass |
| | n20 | 5745 | | 17.608 | 0.5 | Pass |
| | | 5785 | | 17.62 | 0.5 | Pass |
| | | 5825 | | 17.577 | 0.5 | Pass |
| | n40 | 5755 | | 35.443 | 0.5 | Pass |
| | | 5795 | | 35.651 | 0.5 | Pass |

Test Graphs

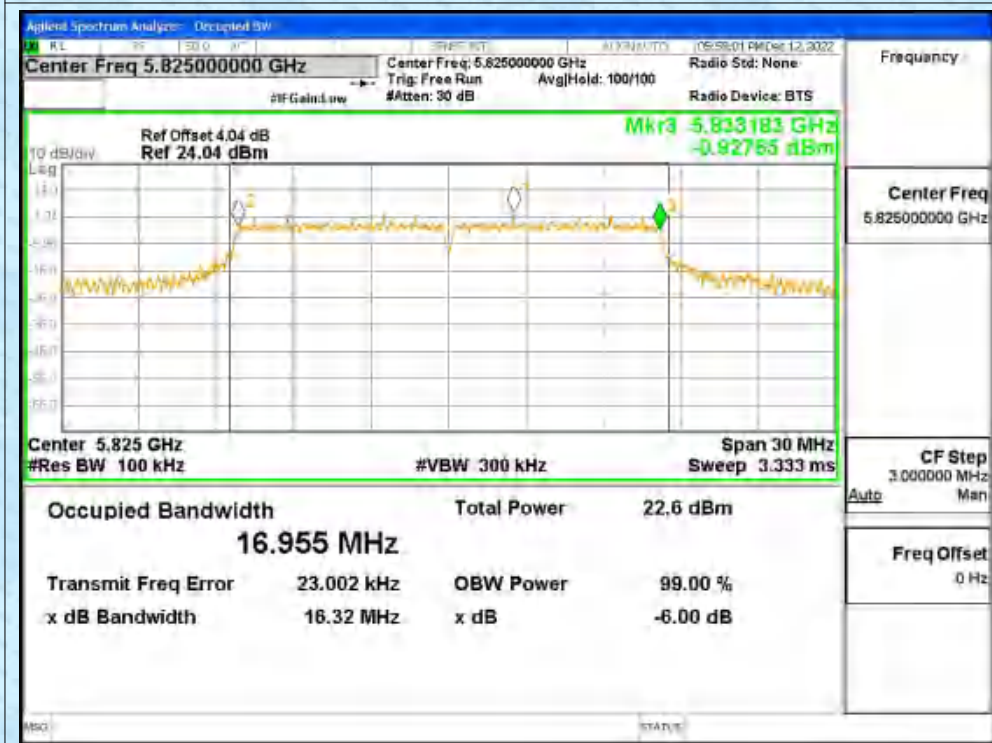
-6dB Bandwidth NVNT a 5745MHz Ant1



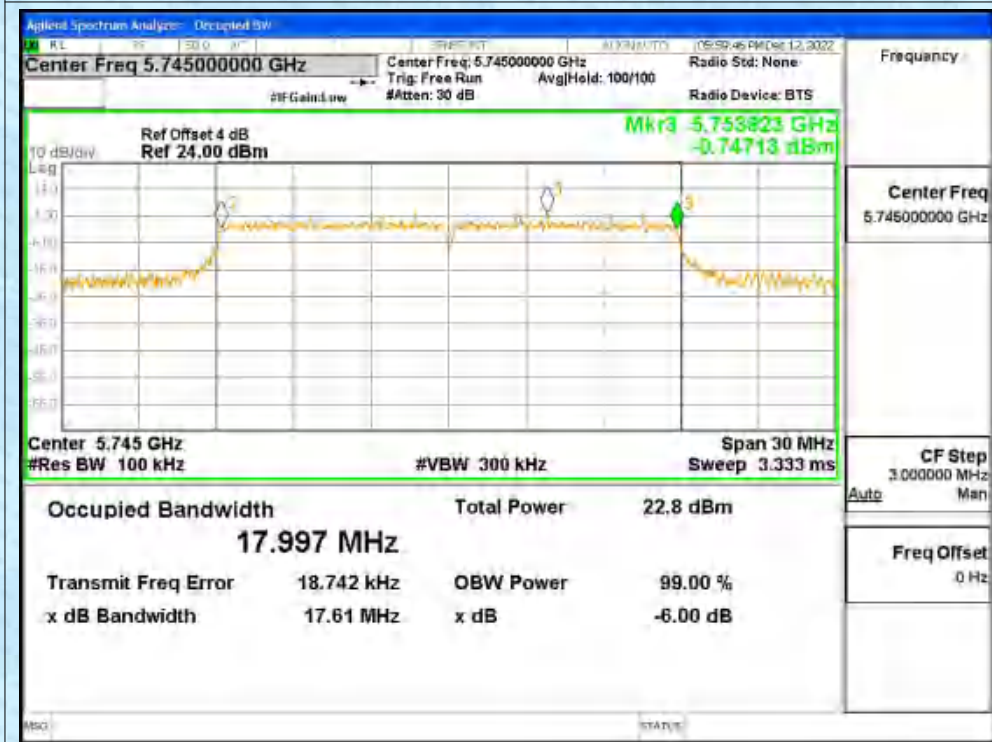
-6dB Bandwidth NVNT a 5785MHz Ant1



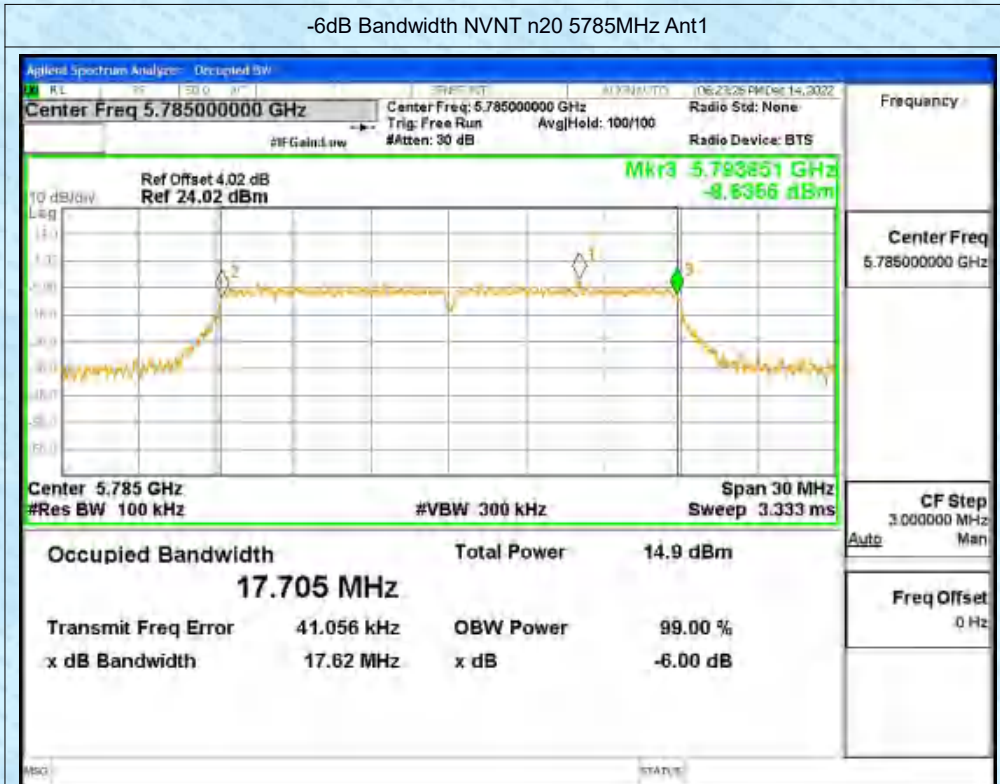
-6dB Bandwidth NVNT a 5825MHz Ant1



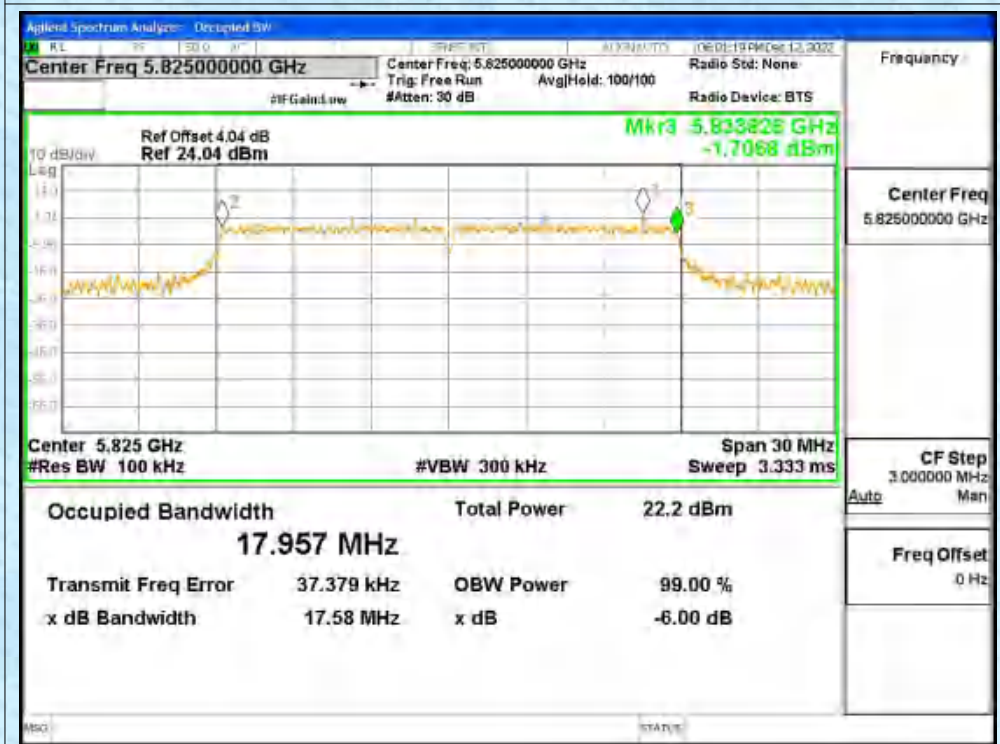
-6dB Bandwidth NVNT n20 5745MHz Ant1



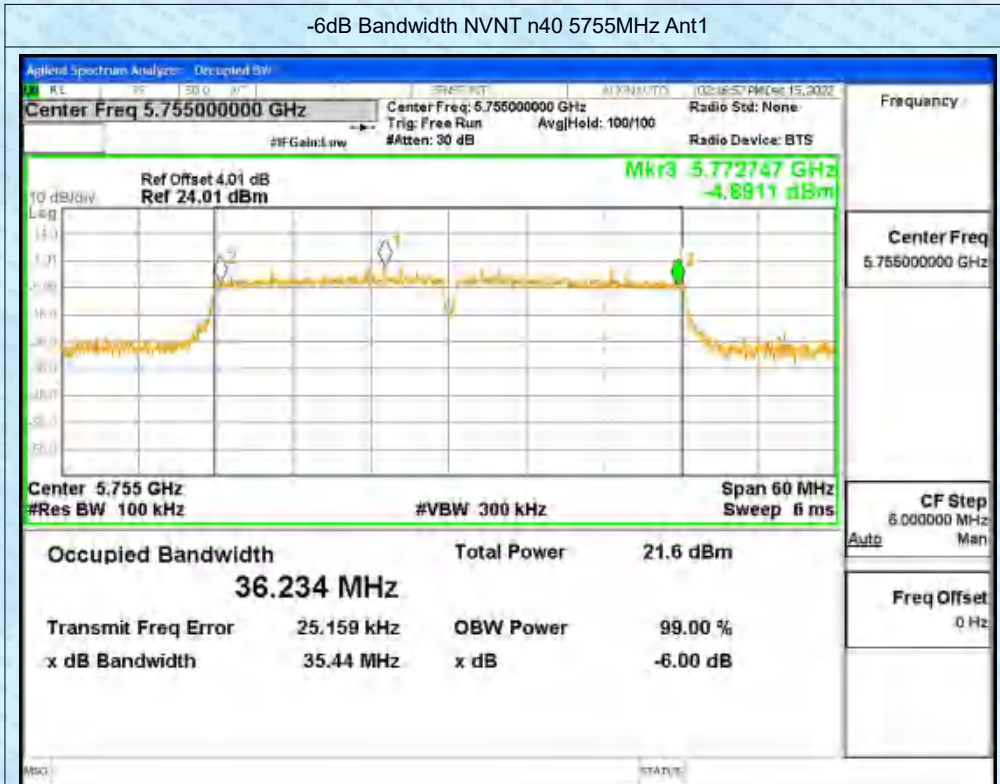
-6dB Bandwidth NVNT n20 5785MHz Ant1



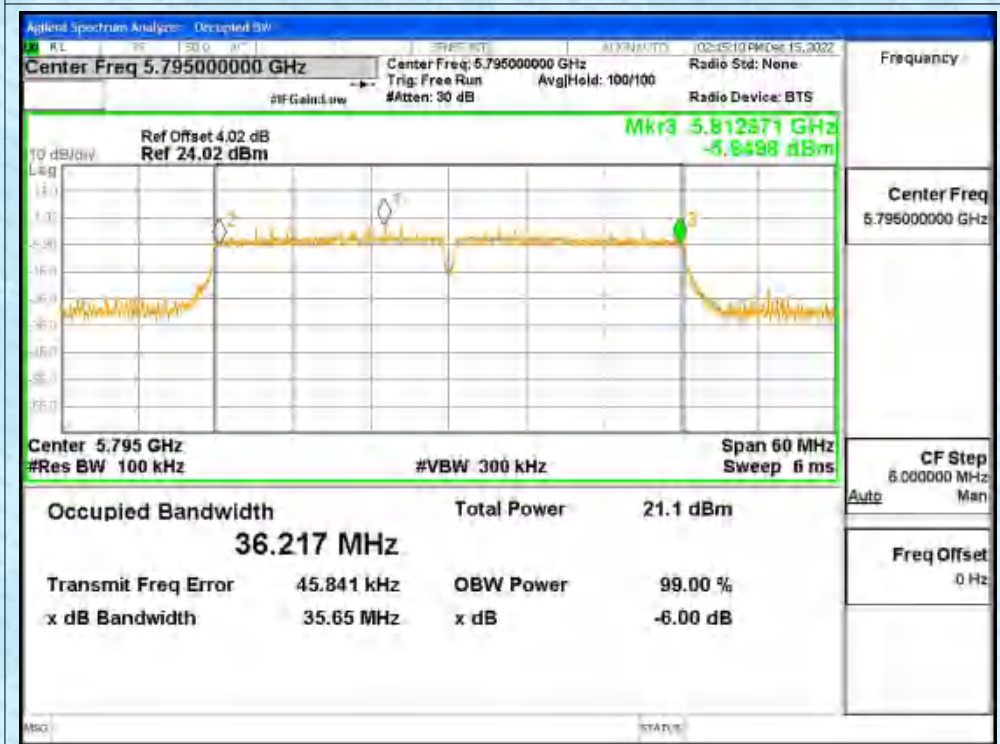
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

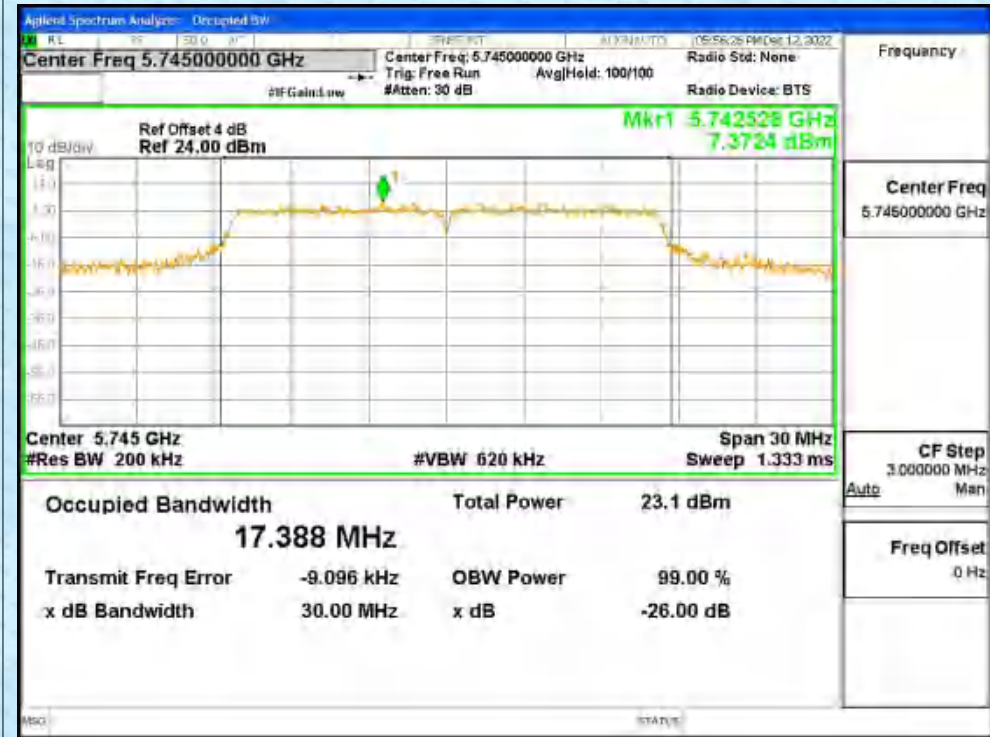


Occupied Channel Bandwidth

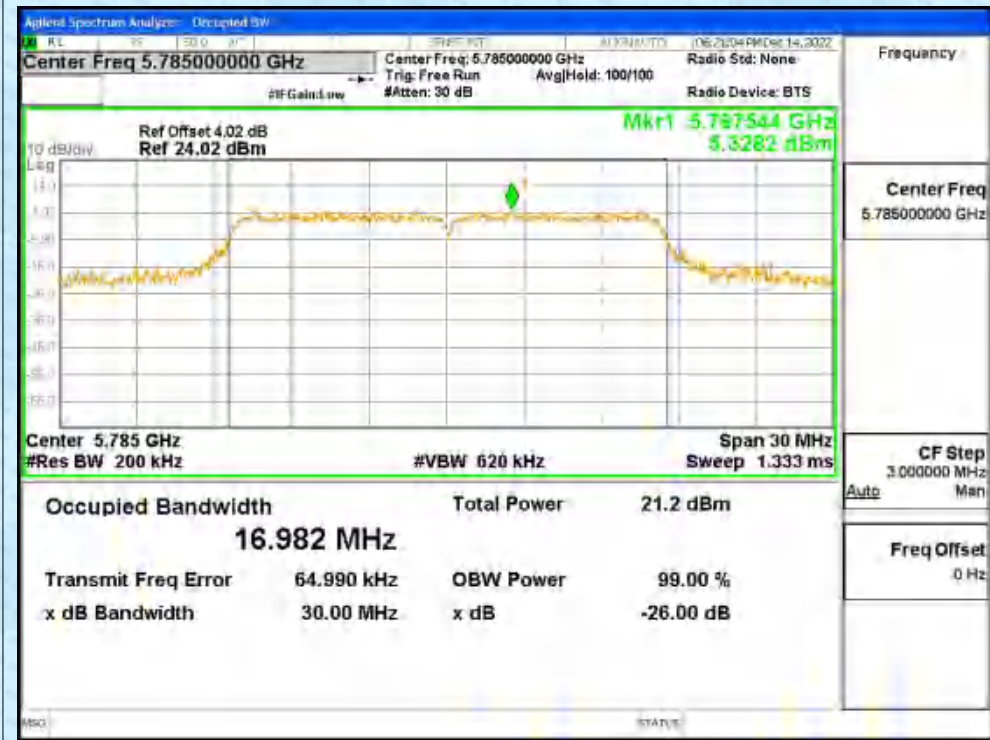
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | a | 5745 | Ant1 | 17.388 |
| | | 5785 | | 16.982 |
| | | 5825 | | 17.446 |
| | n20 | 5745 | | 18.276 |
| | | 5785 | | 17.802 |
| | | 5825 | | 18.224 |
| | n40 | 5755 | | 36.434 |
| | | 5795 | | 36.346 |

Test Graphs

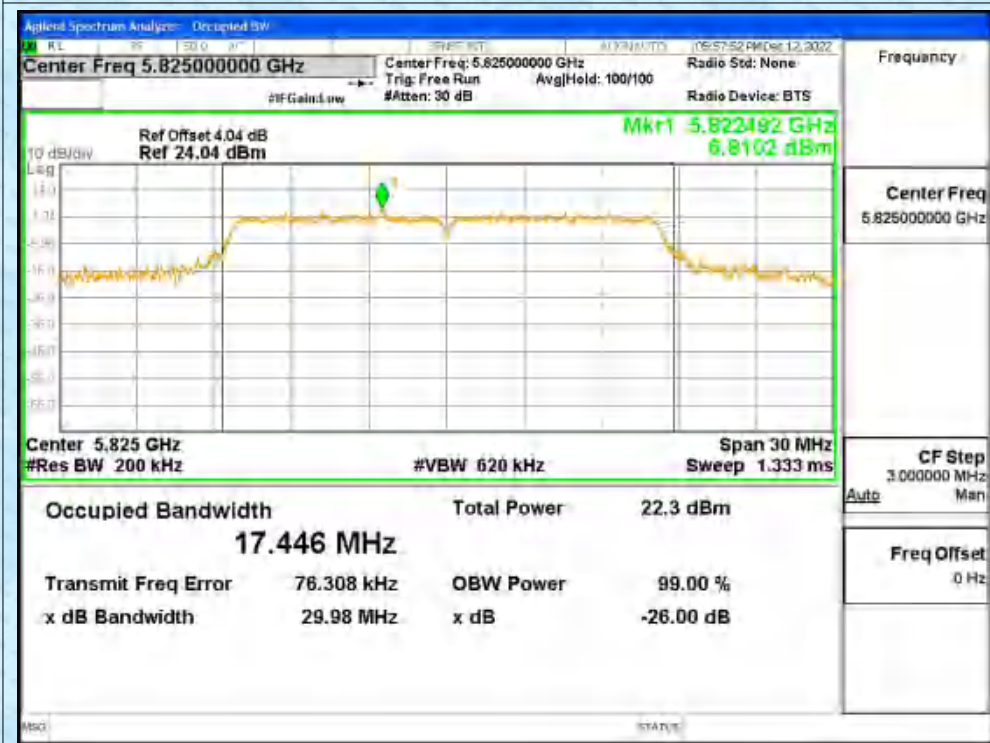
OBW NVNT a 5745MHz Ant1



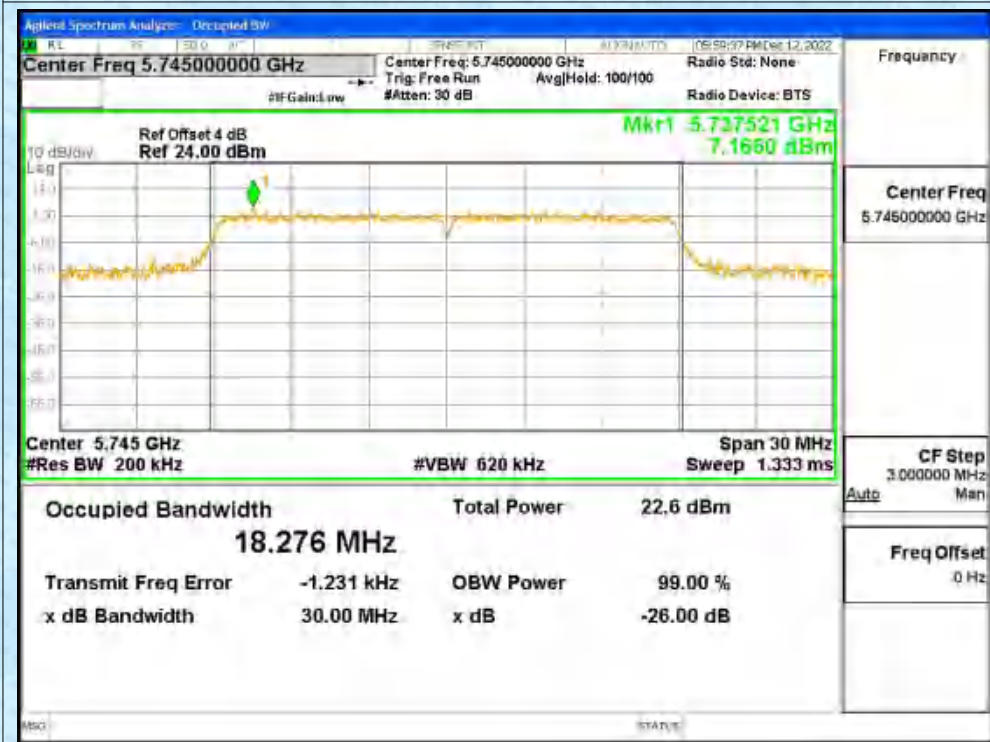
OBW NVNT a 5785MHz Ant1



OBW NVNT a 5825MHz Ant1



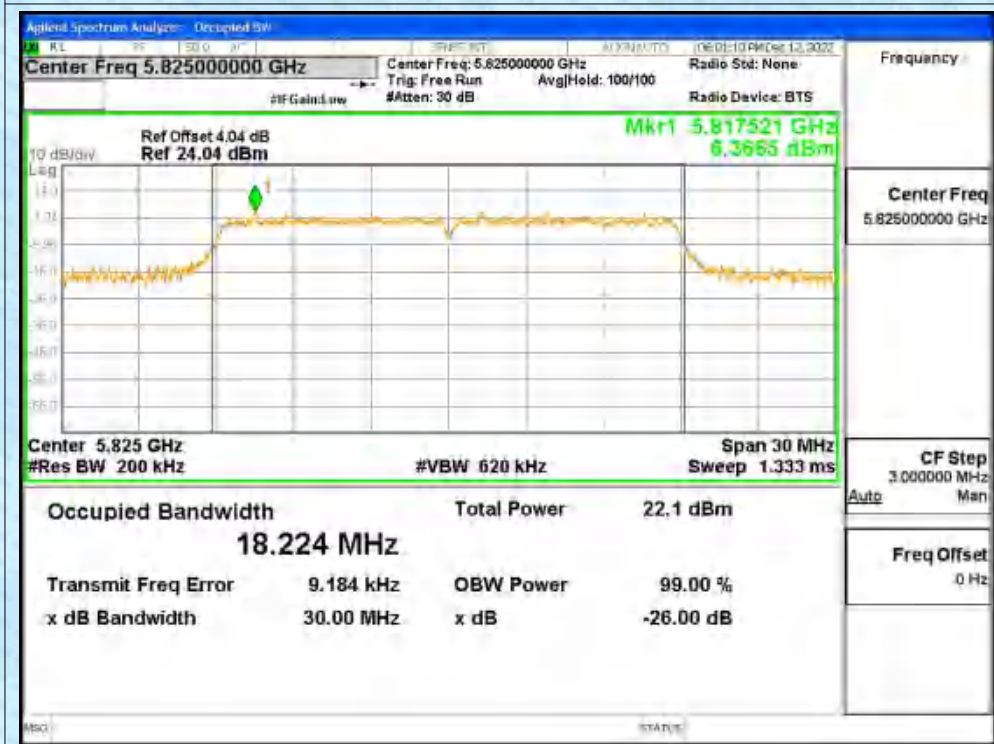
OBW NVNT n20 5745MHz Ant1



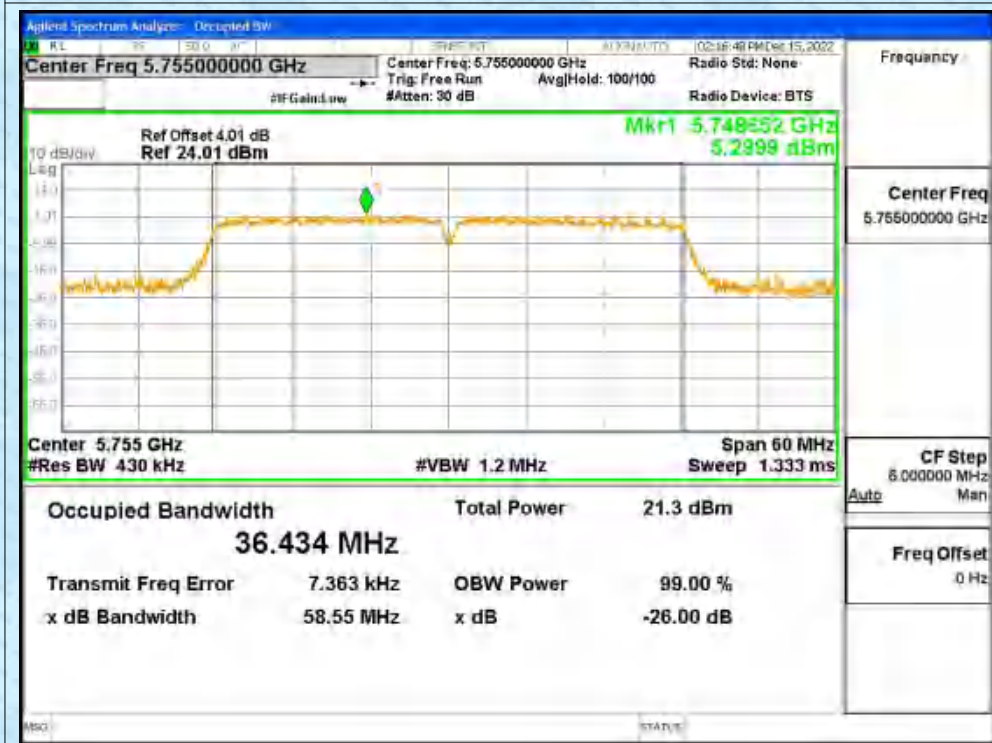
OBW NVNT n20 5785MHz Ant1



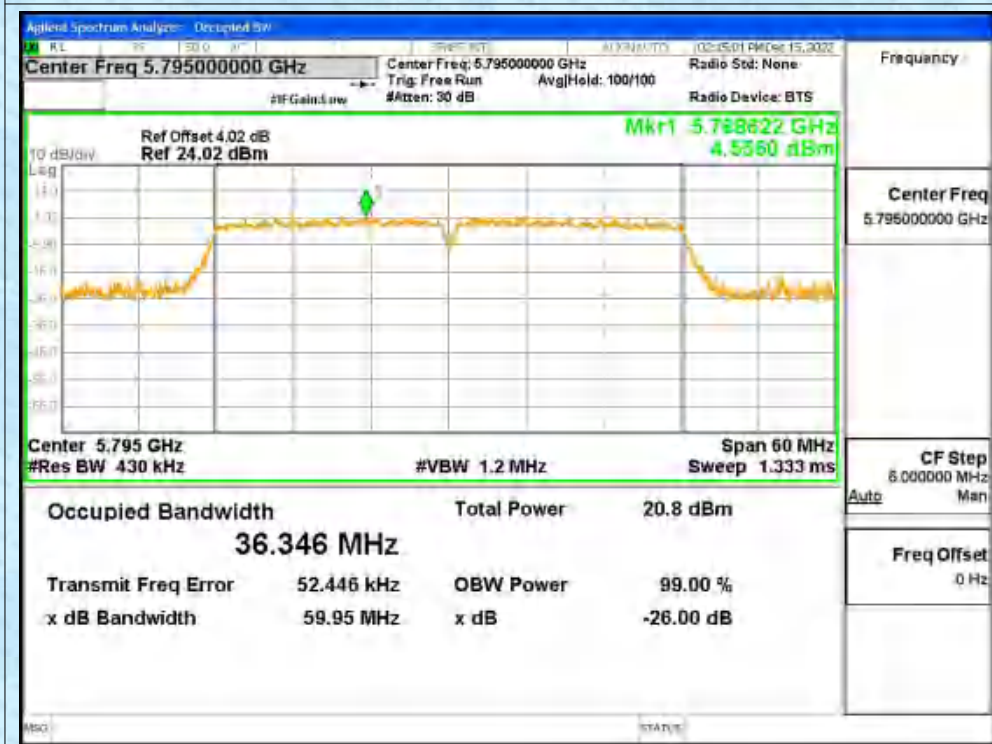
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1

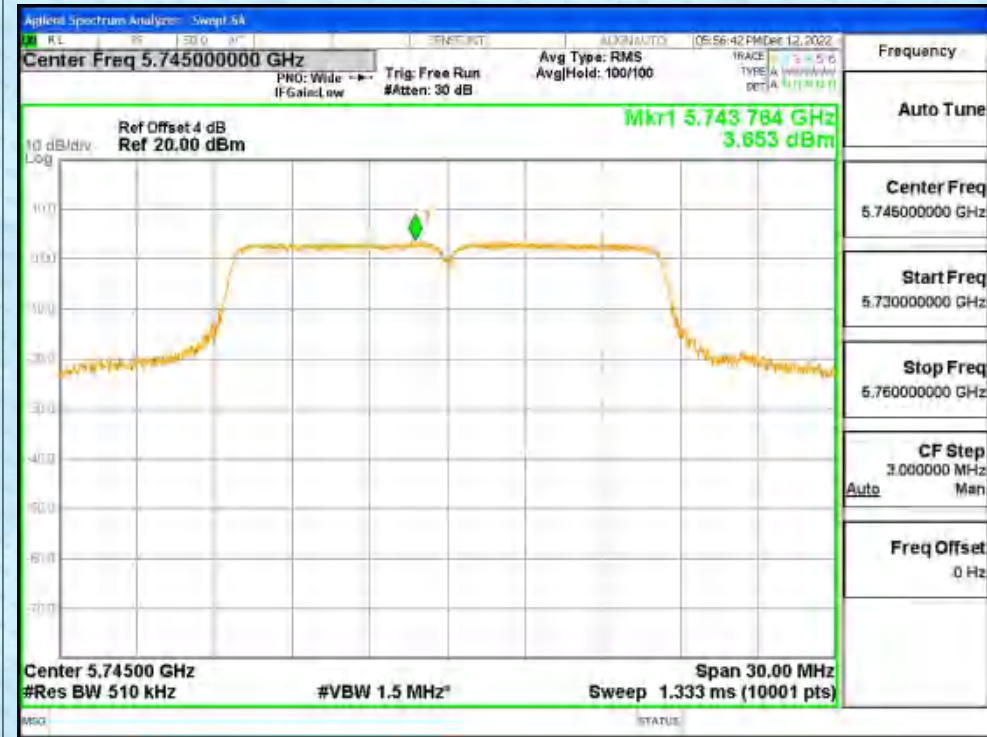


Maximum Power Spectral Density Level

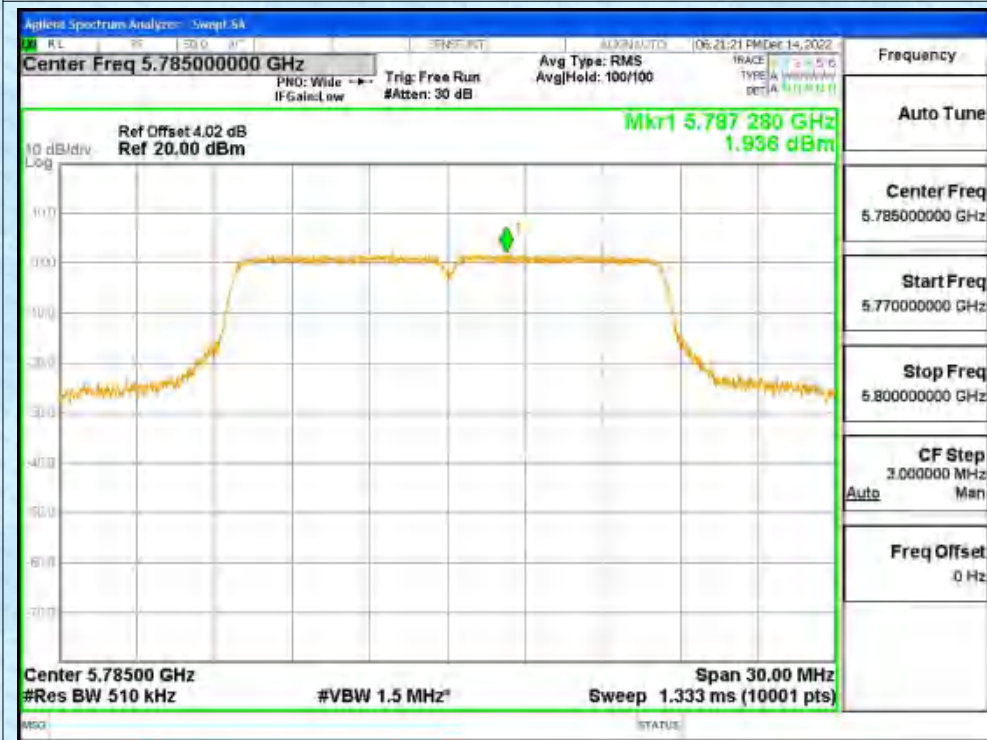
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT | a | 5745 | Ant1 | 3.65 | 0.2 | 3.85 | 30 | Pass |
| | | 5785 | | 1.94 | 0.2 | 2.14 | 30 | Pass |
| | | 5825 | | 3.08 | 0.2 | 3.28 | 30 | Pass |
| | n20 | 5745 | | 3.17 | 0 | 3.17 | 30 | Pass |
| | | 5785 | | -4.41 | 0 | -4.41 | 30 | Pass |
| | | 5825 | | 2.57 | 0 | 2.57 | 30 | Pass |
| | n40 | 5755 | | -0.95 | 0.12 | -0.83 | 30 | Pass |
| | | 5795 | | -1.19 | 0.12 | -1.07 | 30 | Pass |

Test Graphs

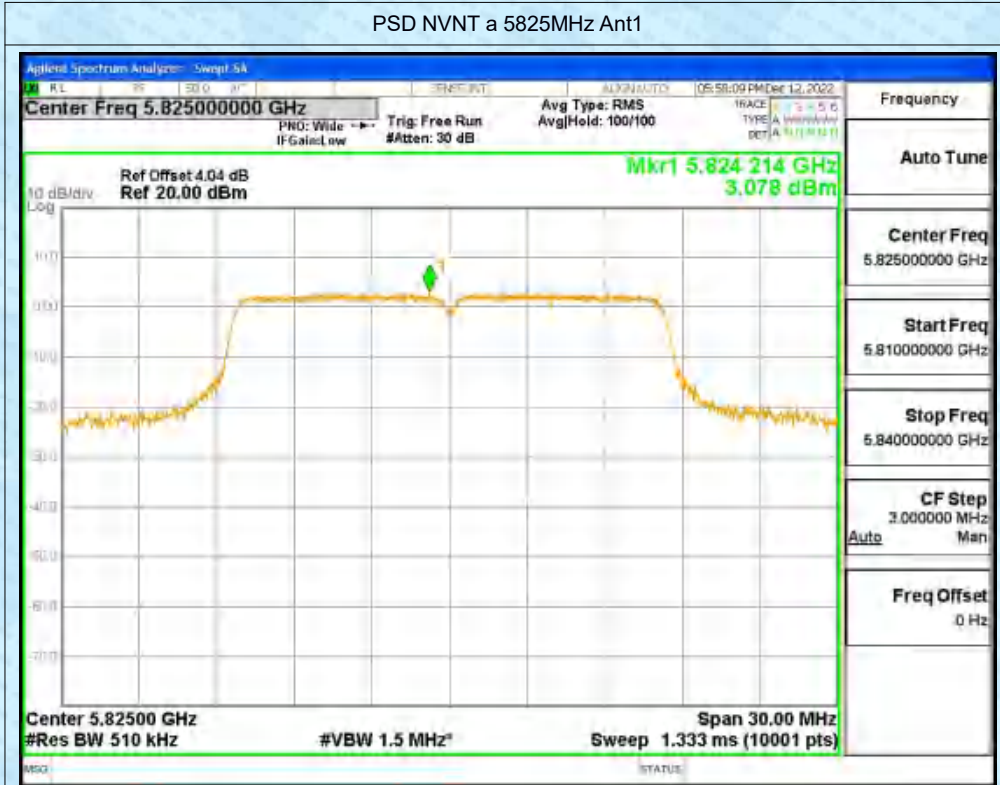
PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



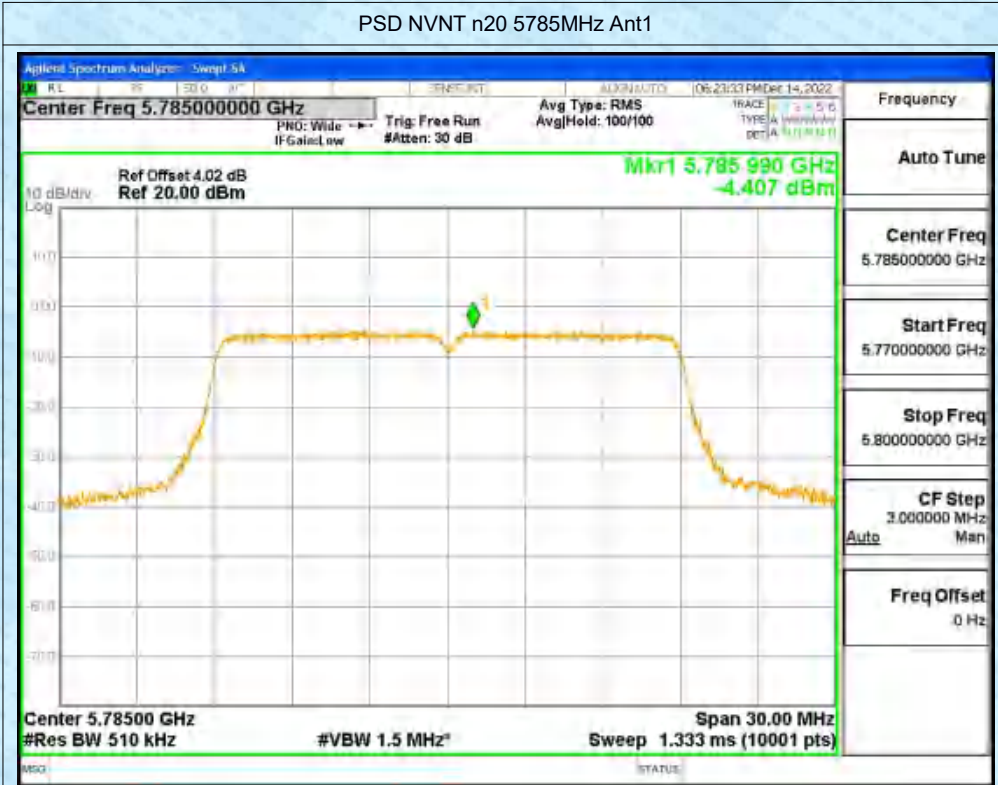
PSD NVNT a 5825MHz Ant1



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

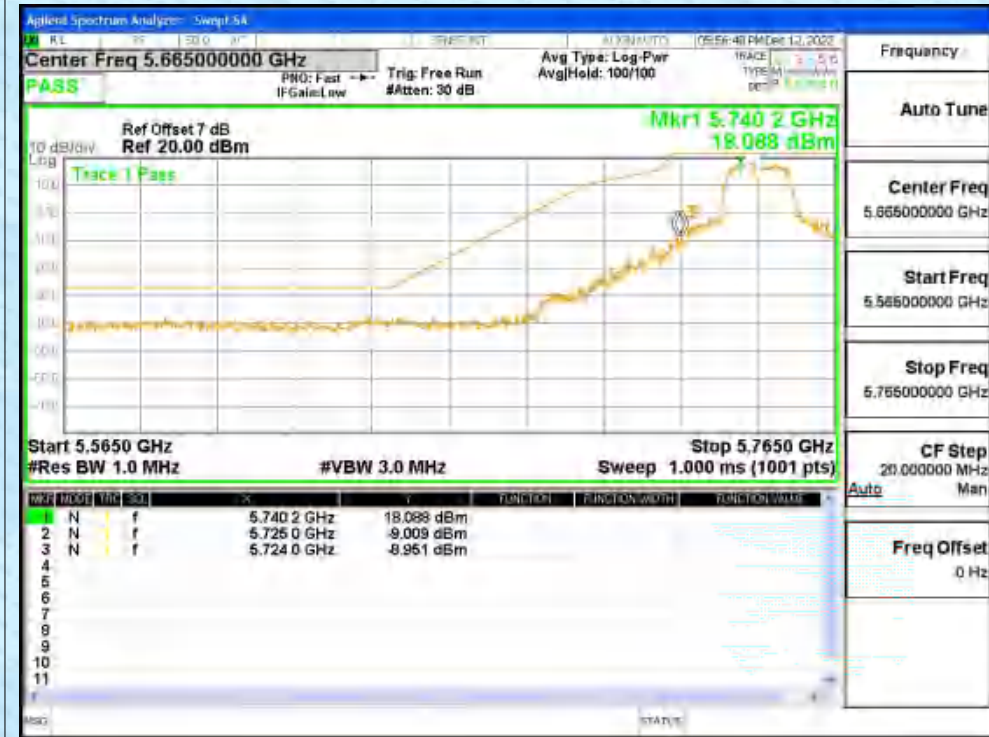


Band Edge

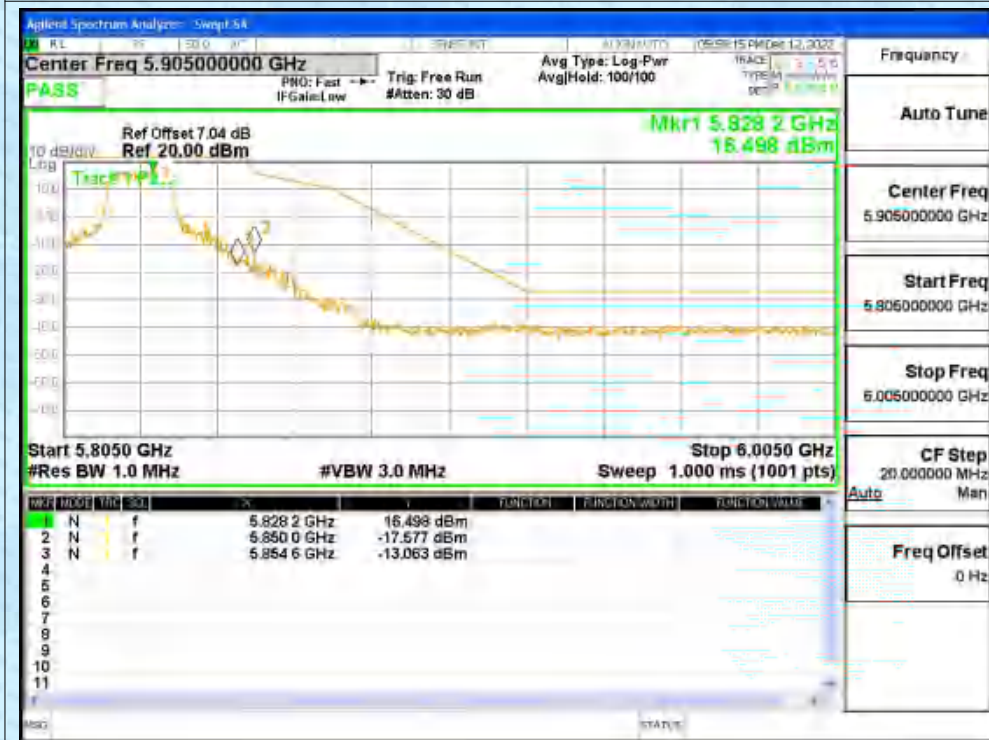
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | a | 5745 | Ant1 | -8.95 | | Pass |
| | | 5825 | | -13.06 | | Pass |
| | n20 | 5745 | | -3.75 | | Pass |
| | | 5825 | | -12.41 | | Pass |
| | n40 | 5755 | | -9.78 | | Pass |
| | | 5795 | | -28.52 | | Pass |

Test Graphs

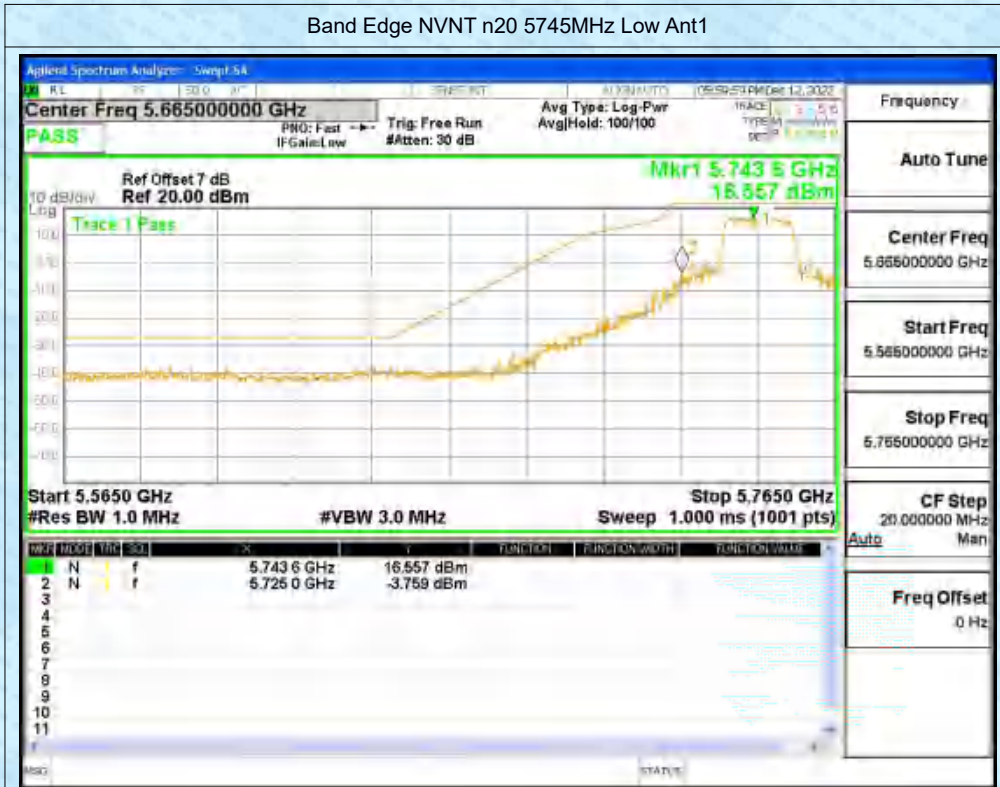
Band Edge NVNT a 5745MHz Low Ant1



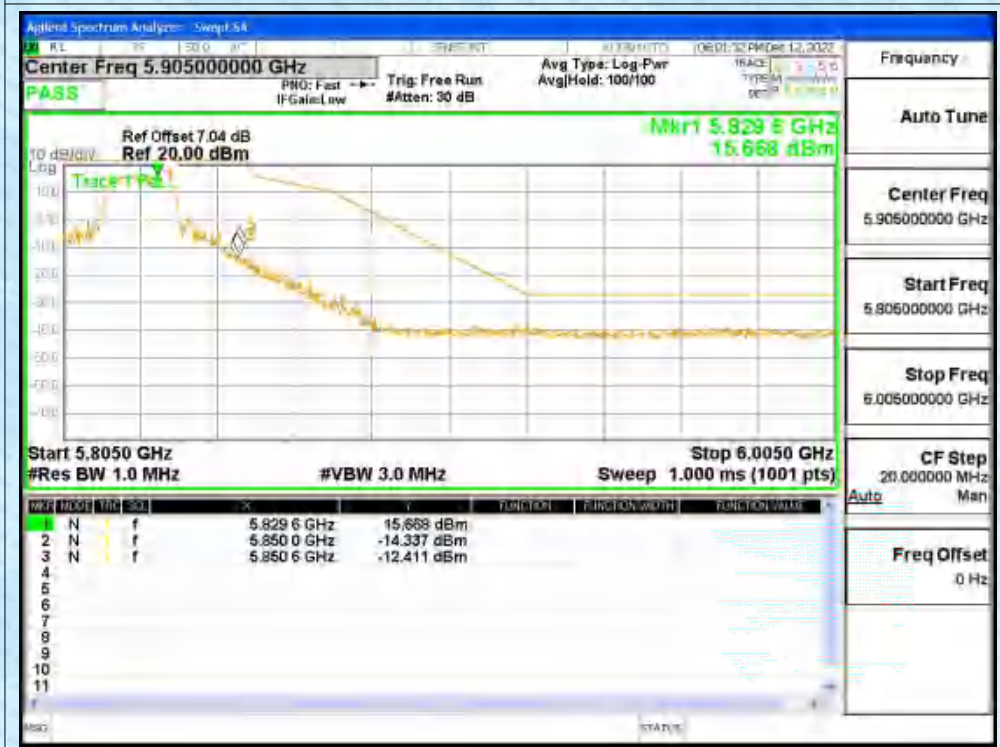
Band Edge NVNT a 5825MHz High Ant1



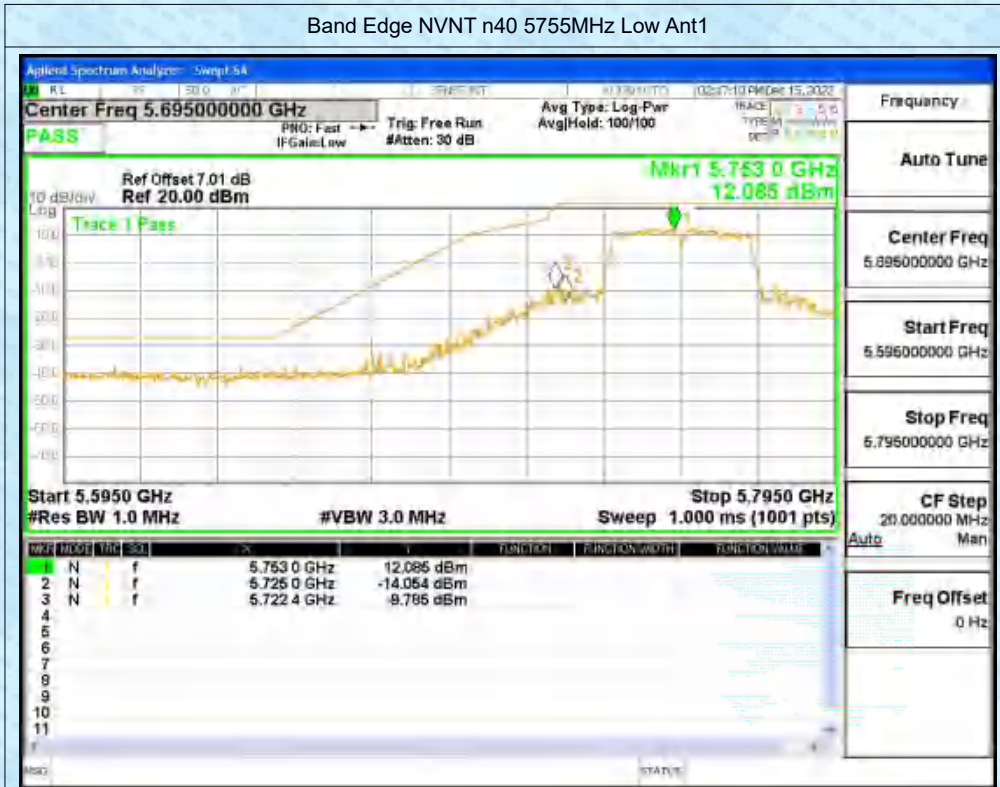
Band Edge NVNT n20 5745MHz Low Ant1



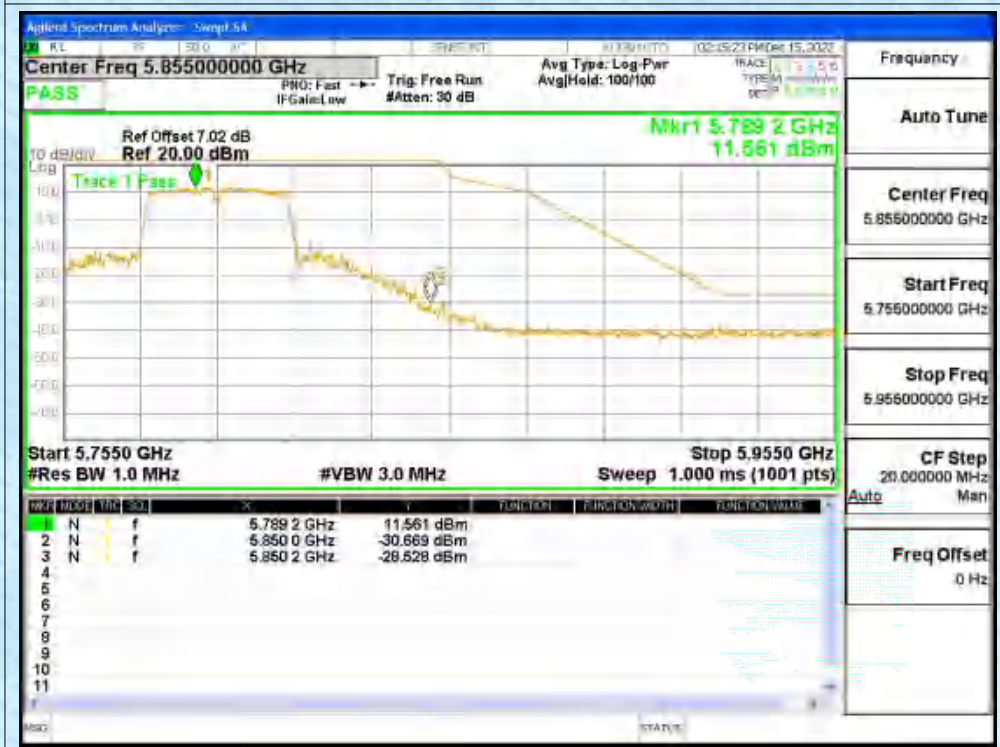
Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1



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 |
| | | 5785 | | 5785.06 | 60000 | 10.37 | 25 | Pass |
| | | 5825 | | 5825.02 | 20000 | 3.43 | 25 | Pass |
| | n20 | 5745 | | 5745 | 0 | 0 | 25 | Pass |
| | | 5785 | | 5785.06 | 60000 | 10.37 | 25 | Pass |
| | | 5825 | | 5825.02 | 20000 | 3.43 | 25 | Pass |
| | n40 | 5755 | | 5755.04 | 40000 | 6.95 | 25 | Pass |
| | | 5795 | | 5795.04 | 40000 | 6.9 | 25 | Pass |

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