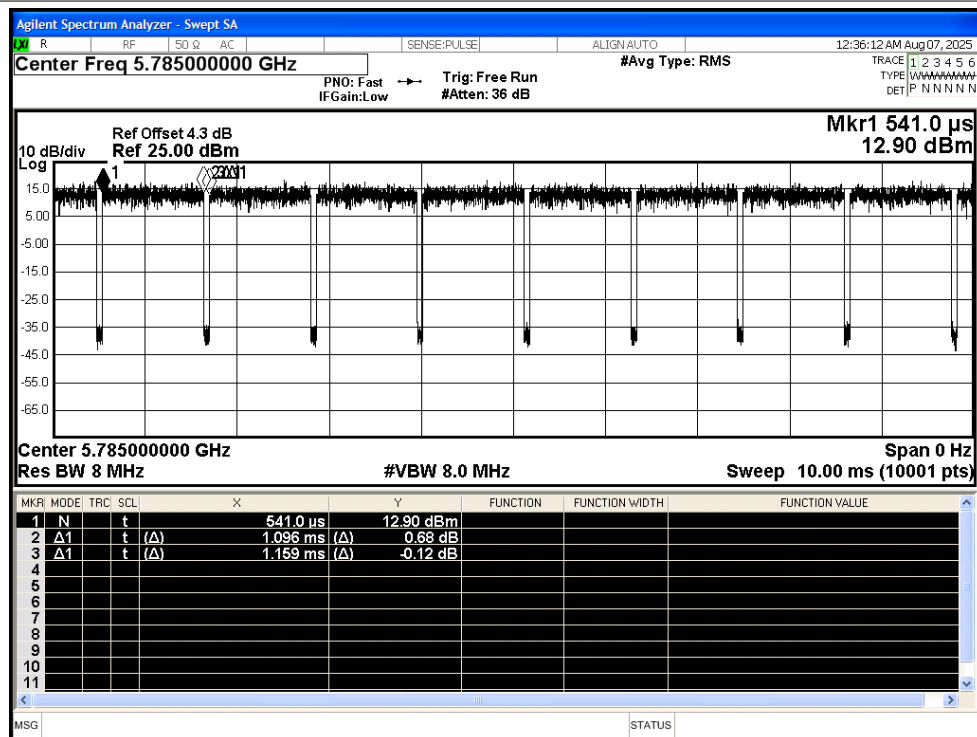
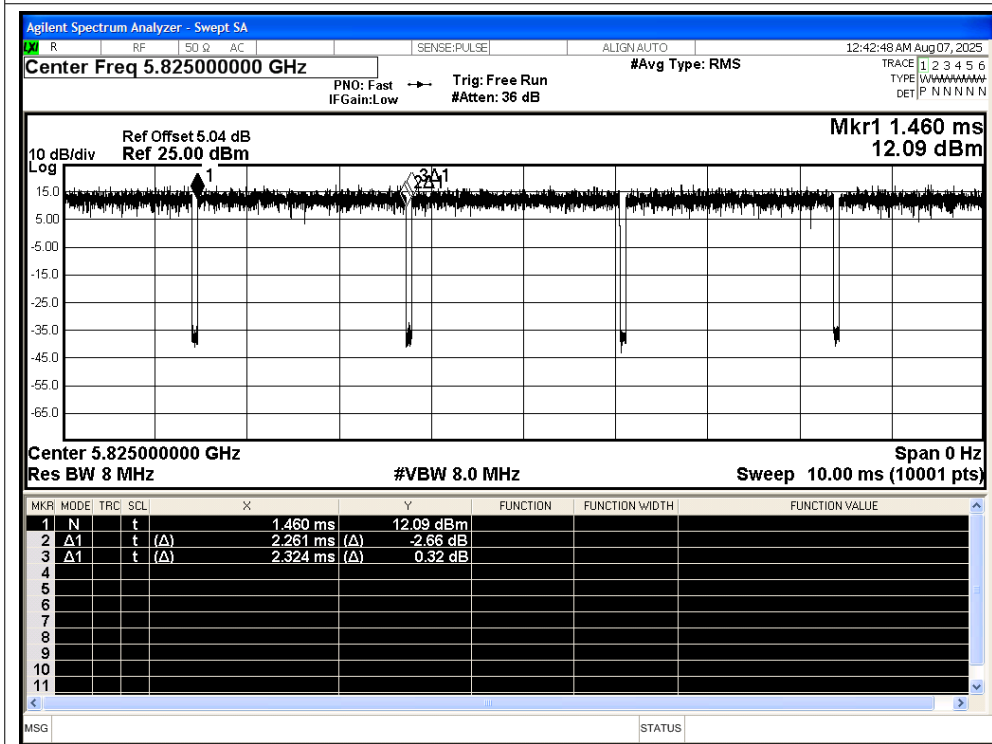
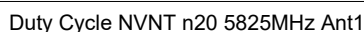


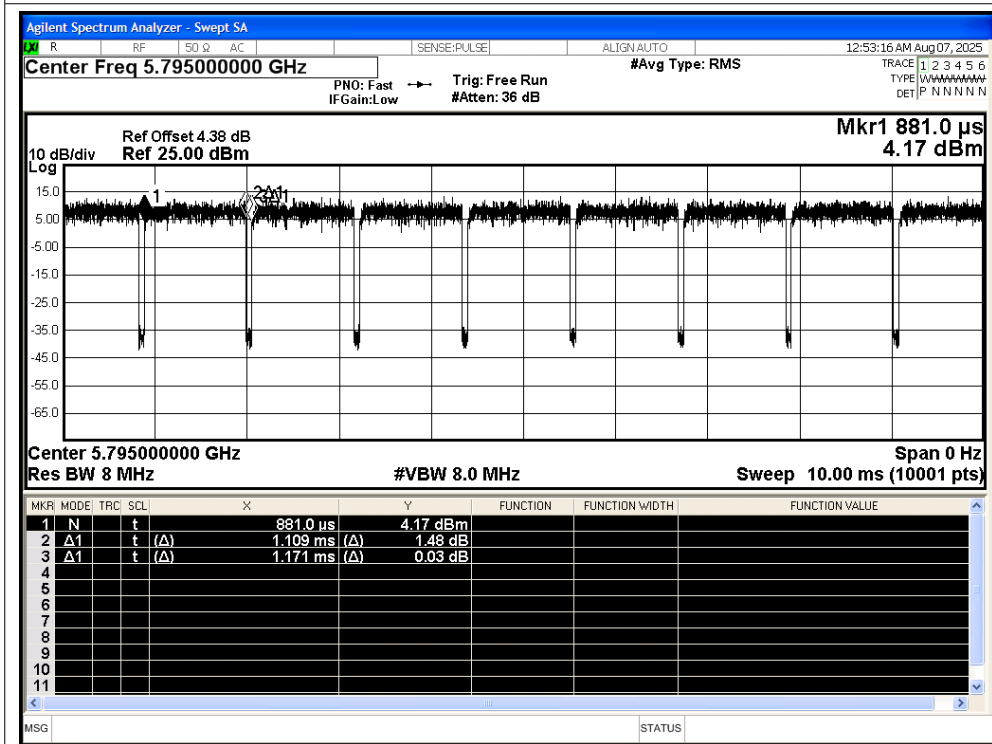
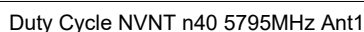
Appendix RF test data for WIFI5G-UNII band 3

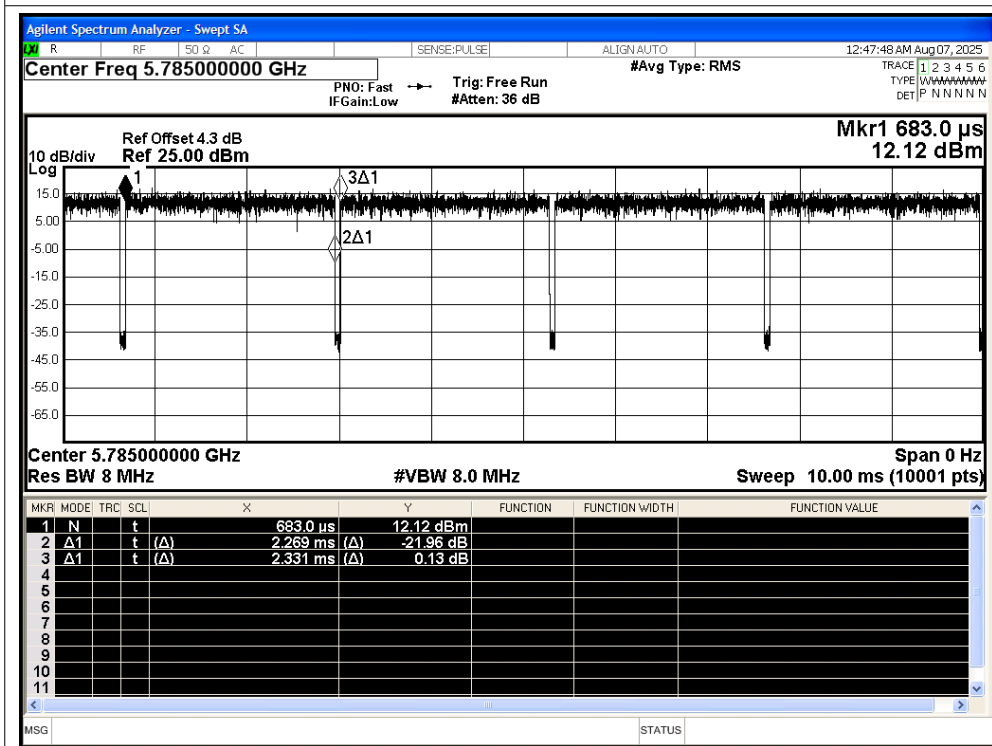
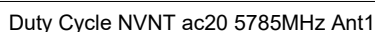
Duty Cycle

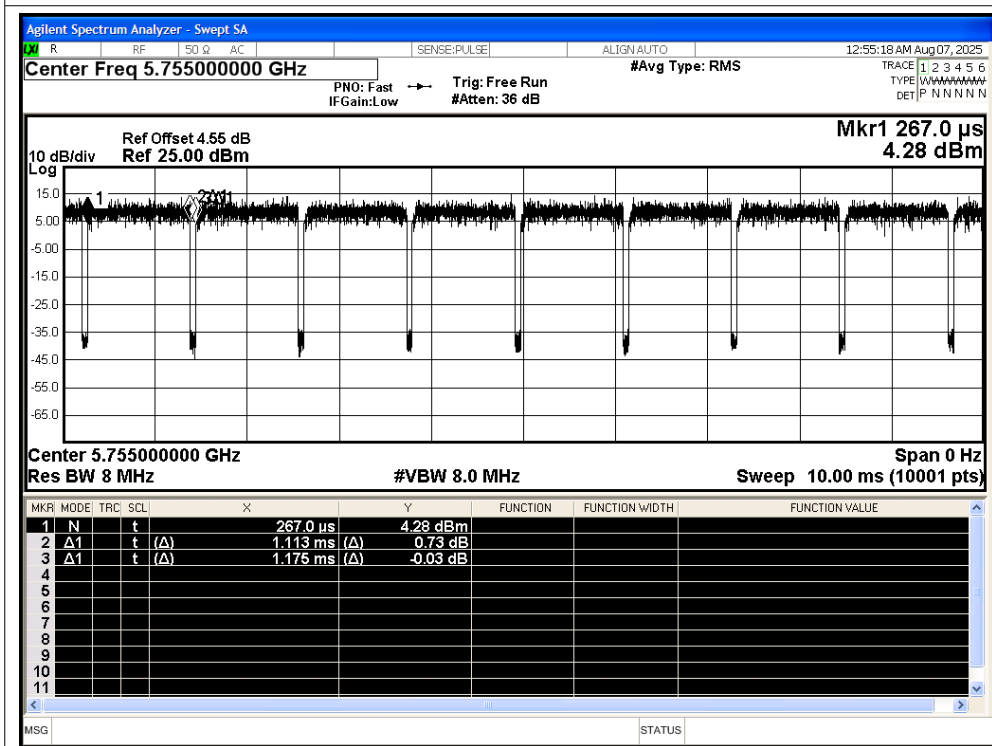
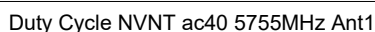
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	94.65	0.24	0.91
NVNT	a	5785	Ant1	94.56	0.24	0.91
NVNT	a	5825	Ant1	94.65	0.24	0.91
NVNT	n20	5745	Ant1	97.33	0.12	0.44
NVNT	n20	5785	Ant1	97.29	0.12	0.44
NVNT	n20	5825	Ant1	97.29	0.12	0.44
NVNT	n40	5755	Ant1	94.71	0.24	0.9
NVNT	n40	5795	Ant1	94.71	0.24	0.9
NVNT	ac20	5745	Ant1	97.34	0.12	0.44
NVNT	ac20	5785	Ant1	97.34	0.12	0.44
NVNT	ac20	5825	Ant1	97.34	0.12	0.44
NVNT	ac40	5755	Ant1	94.72	0.24	0.9
NVNT	ac40	5795	Ant1	94.72	0.24	0.9
NVNT	ac80	5775	Ant1	89.65	0.47	1.86

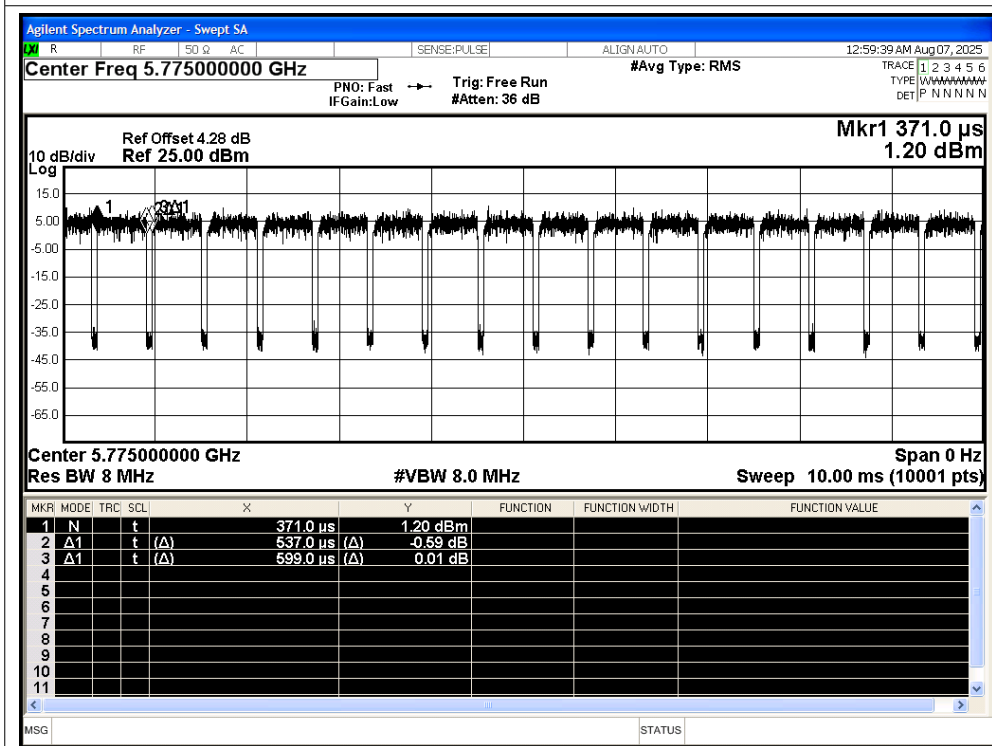
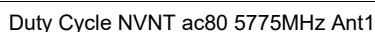










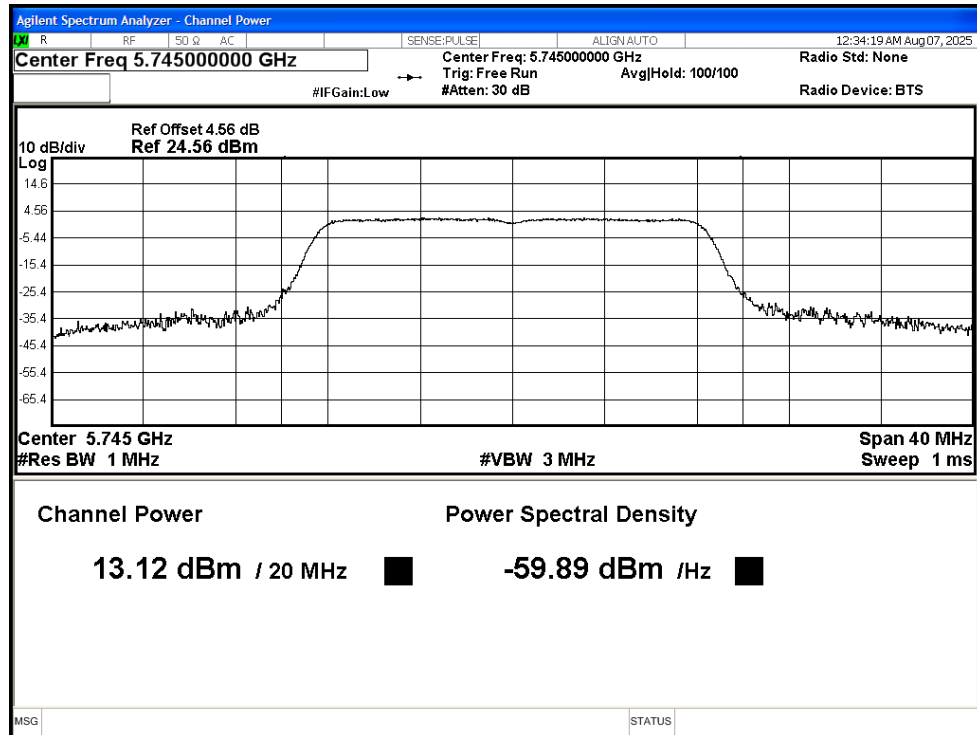


Maximum Conducted Output Power

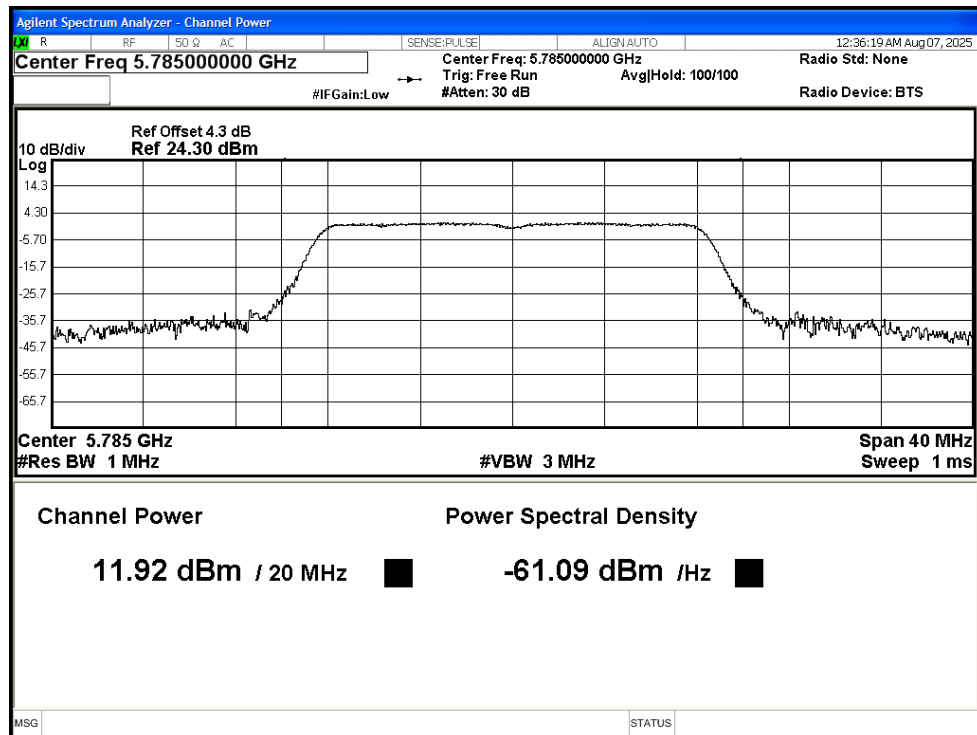
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.12	0.24	13.36	30	Pass
NVNT	a	5785	Ant1	11.92	0.24	12.16	30	Pass
NVNT	a	5825	Ant1	12.01	0.24	12.25	30	Pass
NVNT	n20	5745	Ant1	10.9	0.12	11.02	30	Pass
NVNT	n20	5785	Ant1	11.42	0.12	11.54	30	Pass
NVNT	n20	5825	Ant1	11.4	0.12	11.52	30	Pass
NVNT	n40	5755	Ant1	9.98	0.24	10.22	30	Pass
NVNT	n40	5795	Ant1	10.28	0.24	10.52	30	Pass
NVNT	ac20	5745	Ant1	11.01	0.12	11.13	30	Pass
NVNT	ac20	5785	Ant1	11.4	0.12	11.52	30	Pass
NVNT	ac20	5825	Ant1	11.44	0.12	11.56	30	Pass
NVNT	ac40	5755	Ant1	11.11	0.24	11.35	30	Pass
NVNT	ac40	5795	Ant1	10.33	0.24	10.57	30	Pass
NVNT	ac80	5775	Ant1	10.25	0.47	10.72	30	Pass

Test Graphs

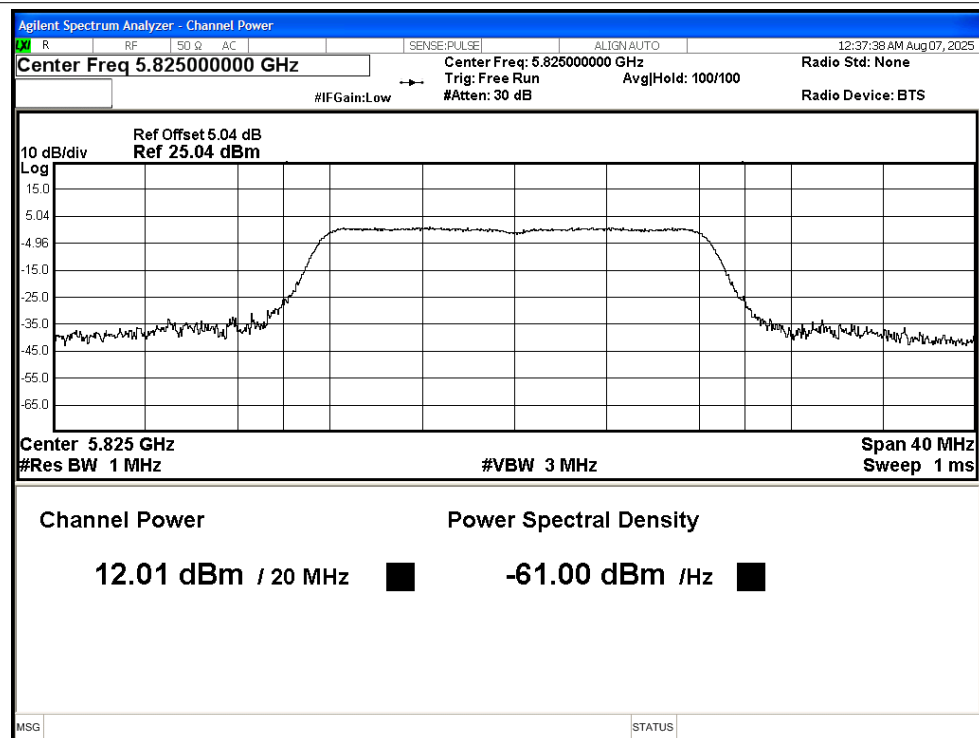
Power NVNT a 5745MHz Ant1



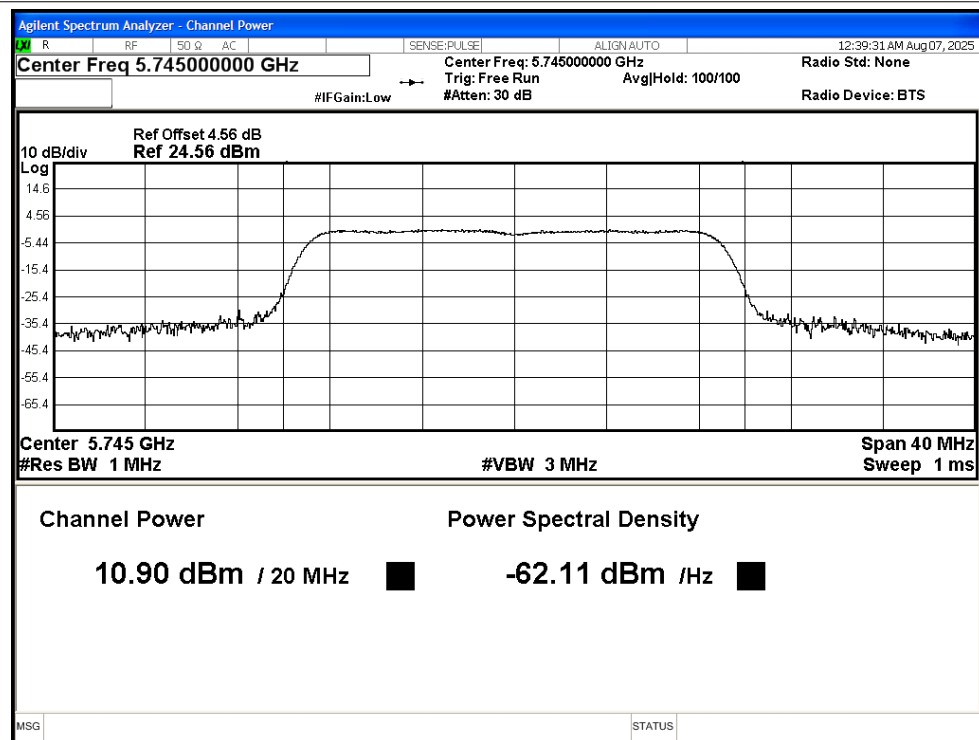
Power NVNT a 5785MHz Ant1



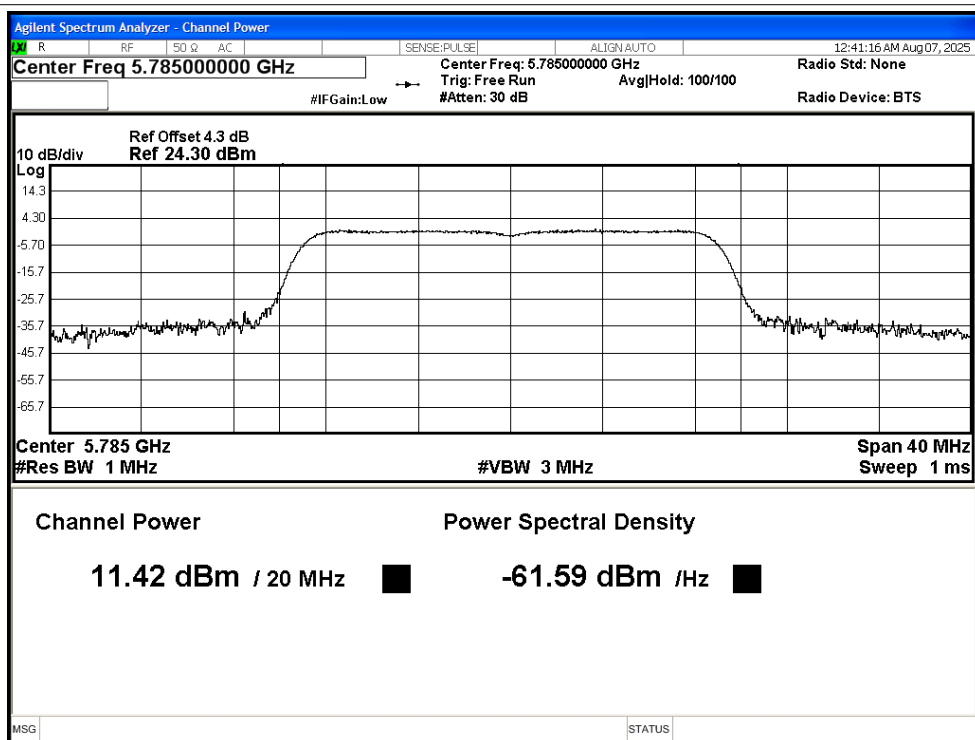
Power NVNT a 5825MHz Ant1



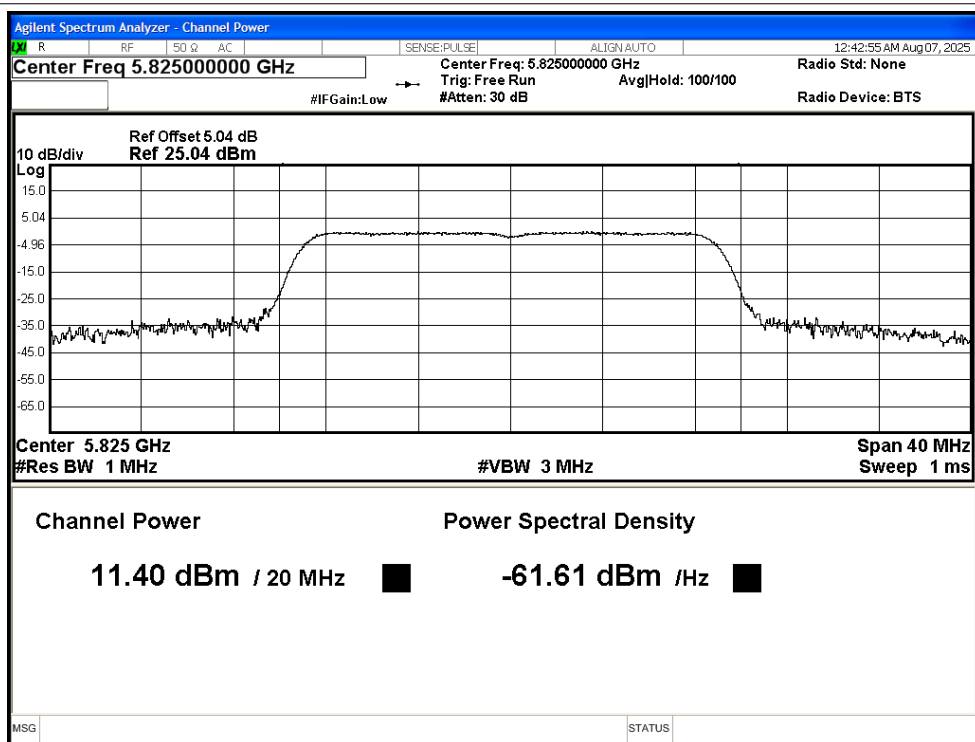
Power NVNT n20 5745MHz Ant1



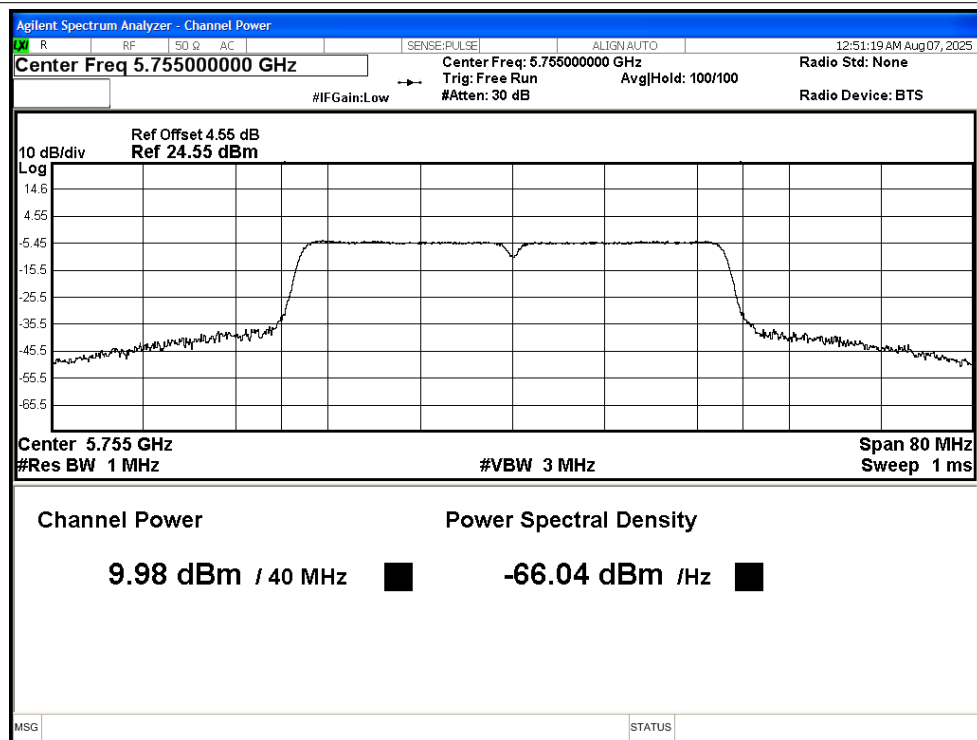
Power NVNT n20 5785MHz Ant1



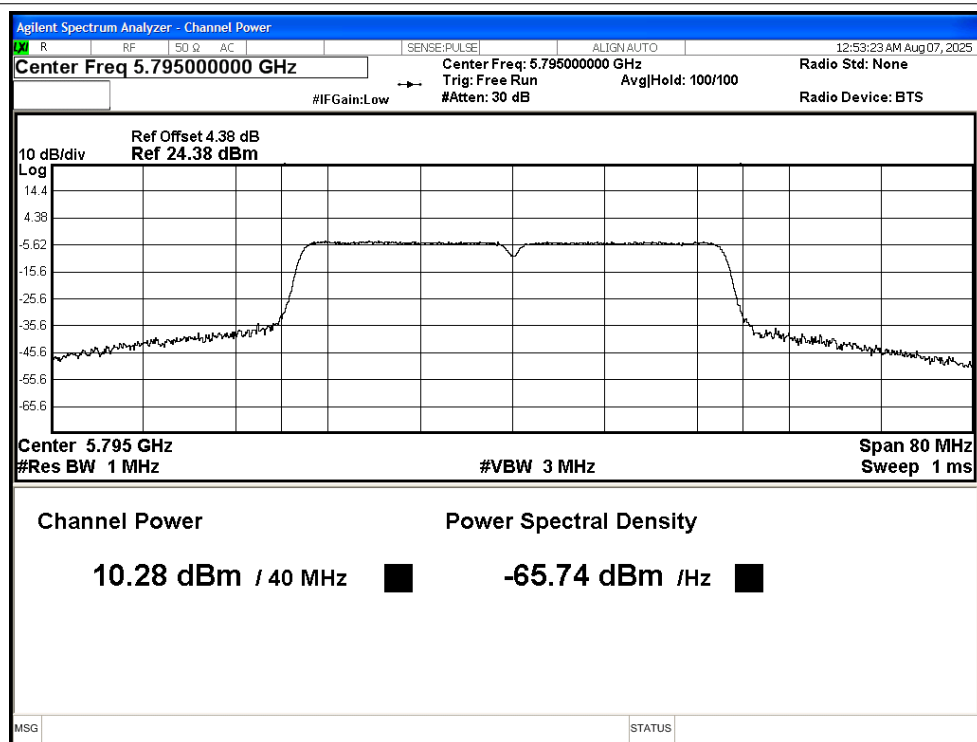
Power NVNT n20 5825MHz Ant1



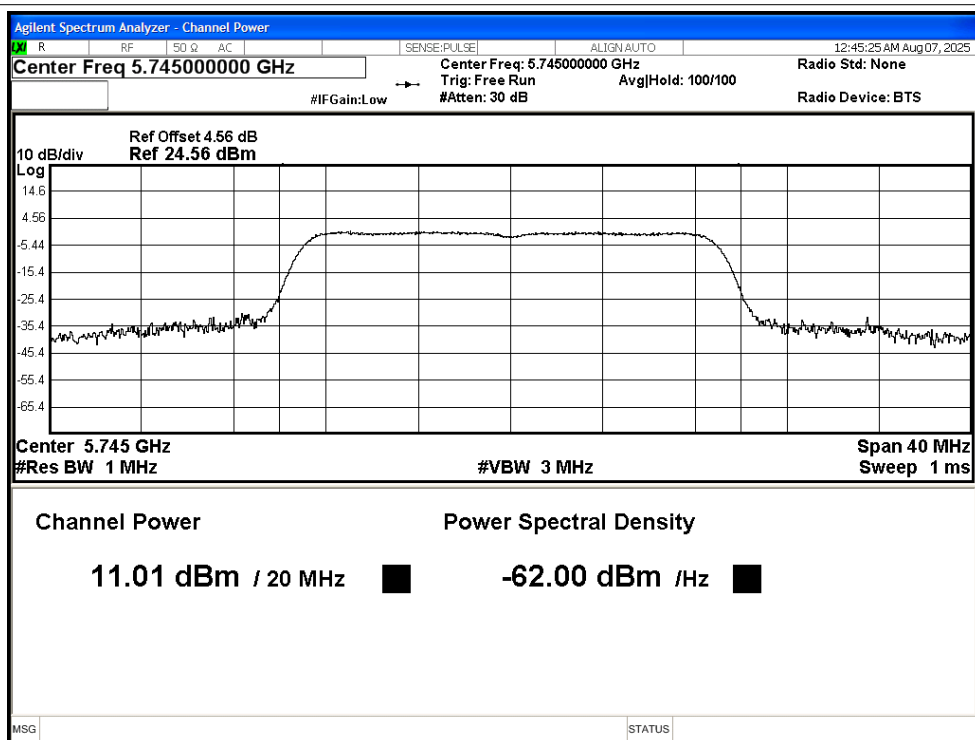
Power NVNT n40 5755MHz Ant1



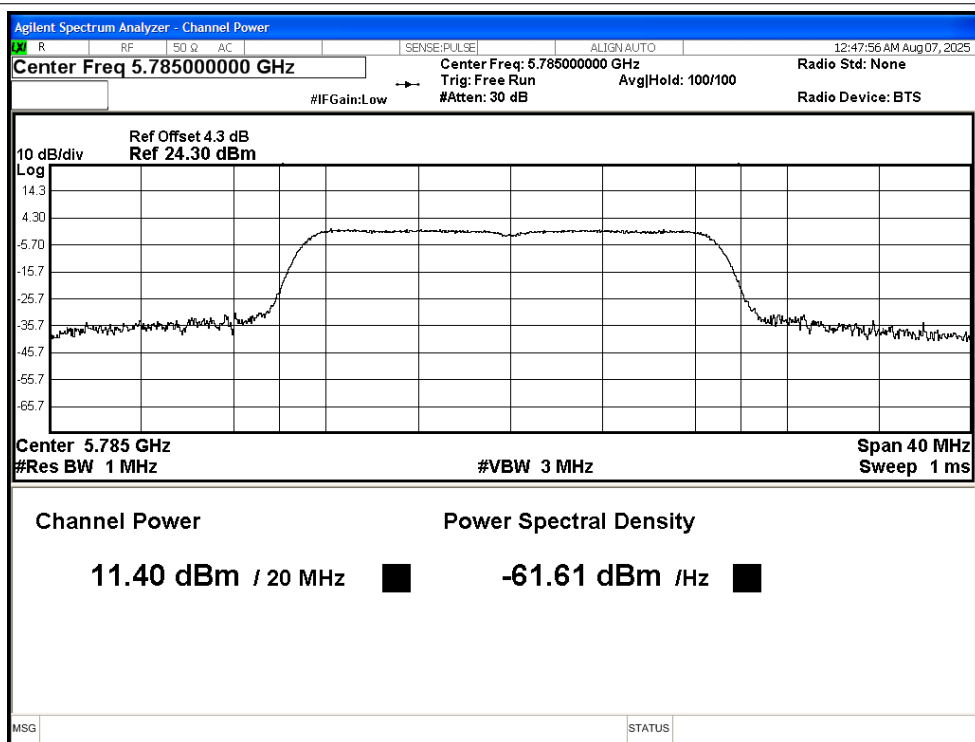
Power NVNT n40 5795MHz Ant1



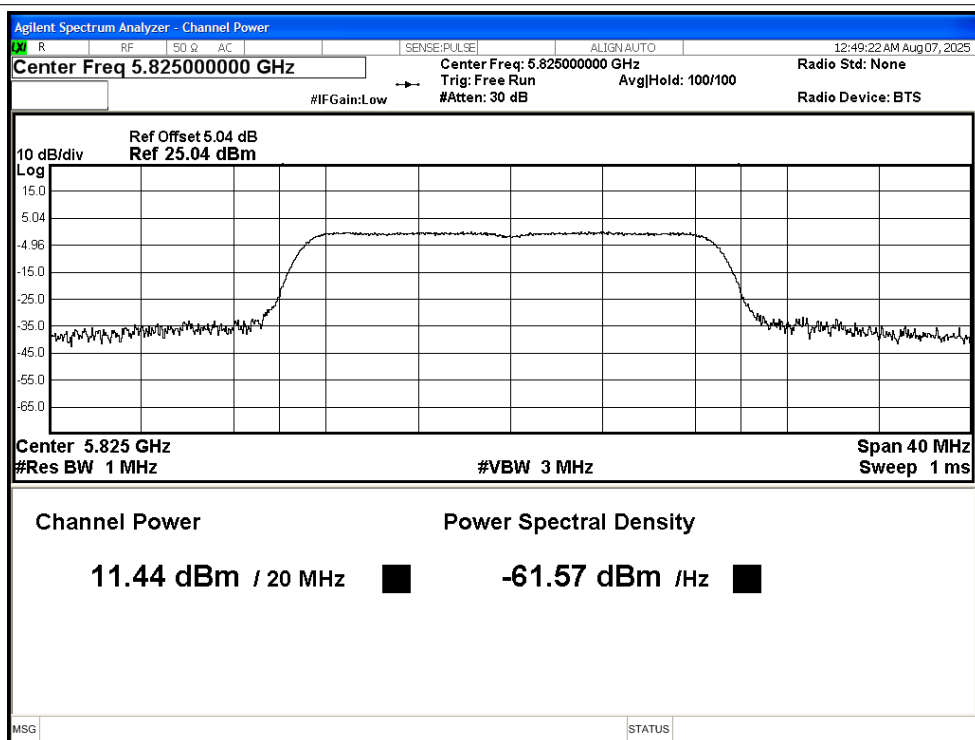
Power NVNT ac20 5745MHz Ant1



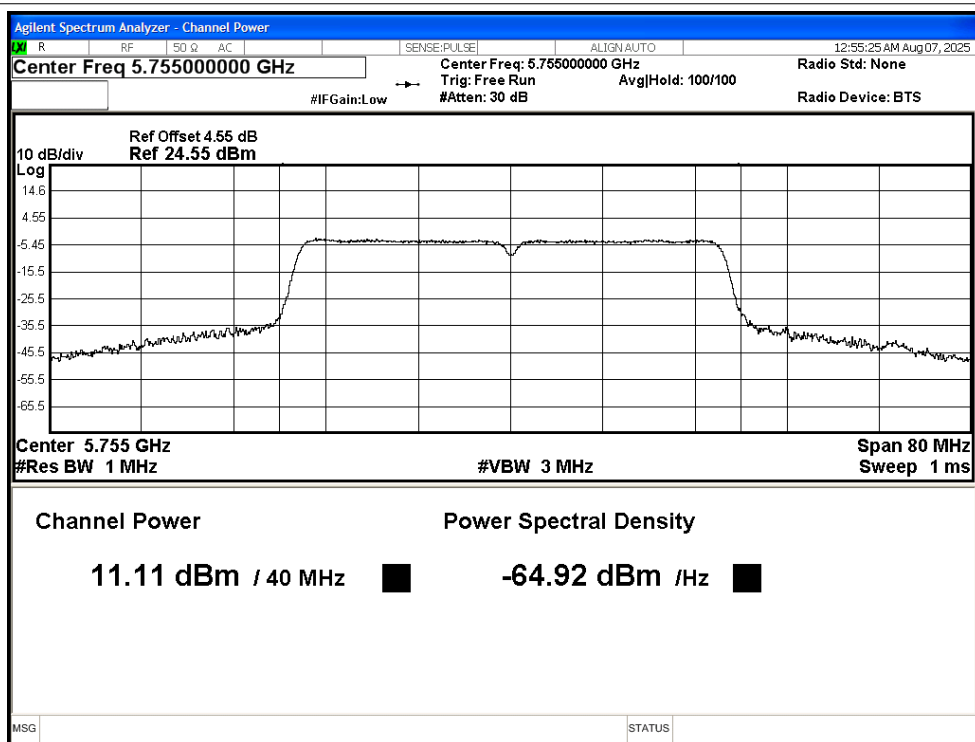
Power NVNT ac20 5785MHz Ant1



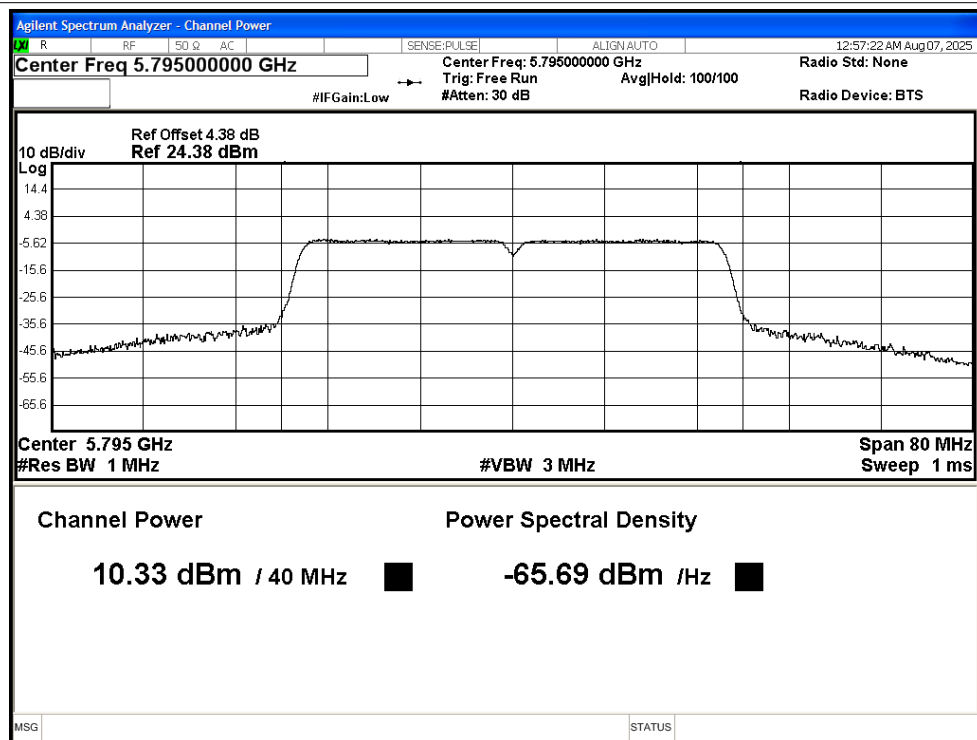
Power NVNT ac20 5825MHz Ant1



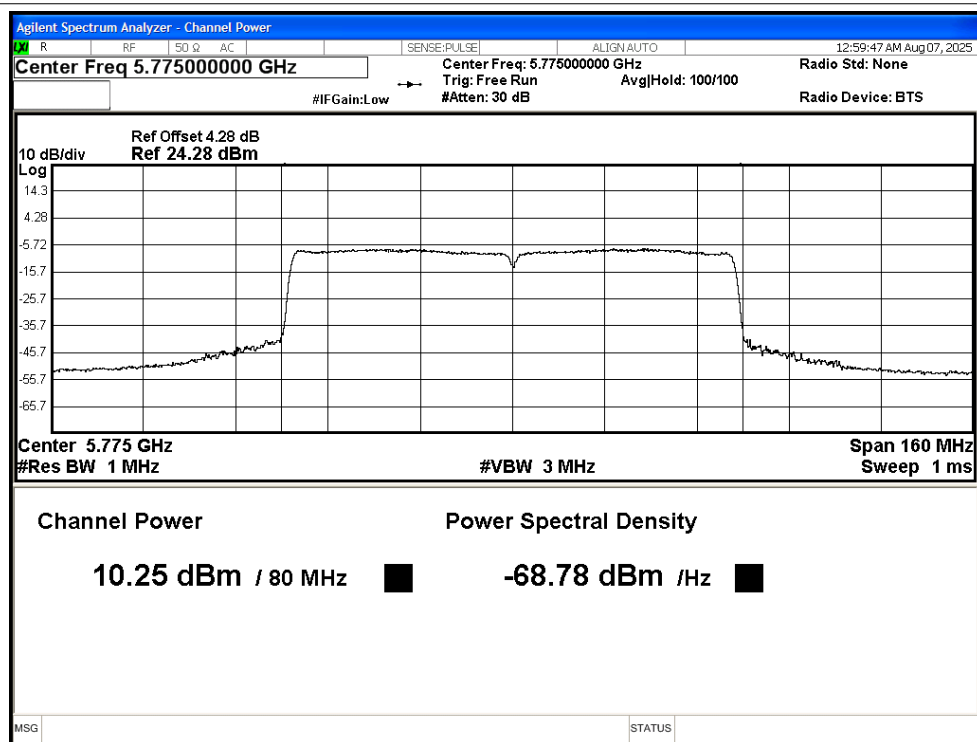
Power NVNT ac40 5755MHz Ant1



Power NVNT ac40 5795MHz Ant1



Power NVNT ac80 5775MHz Ant1

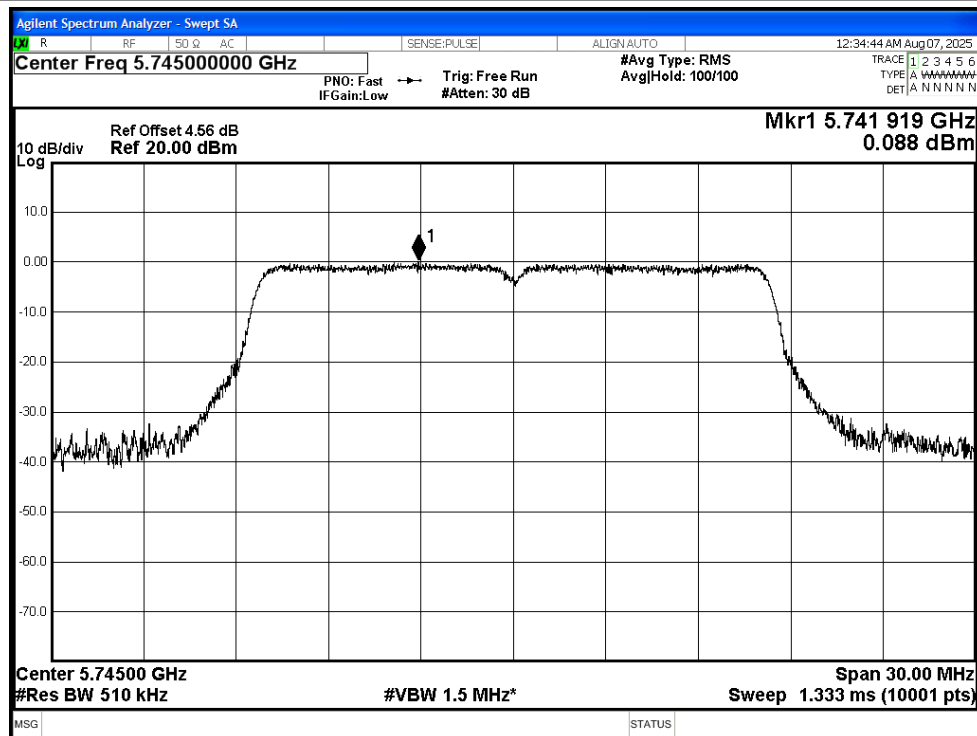


Maximum Power Spectral Density Level

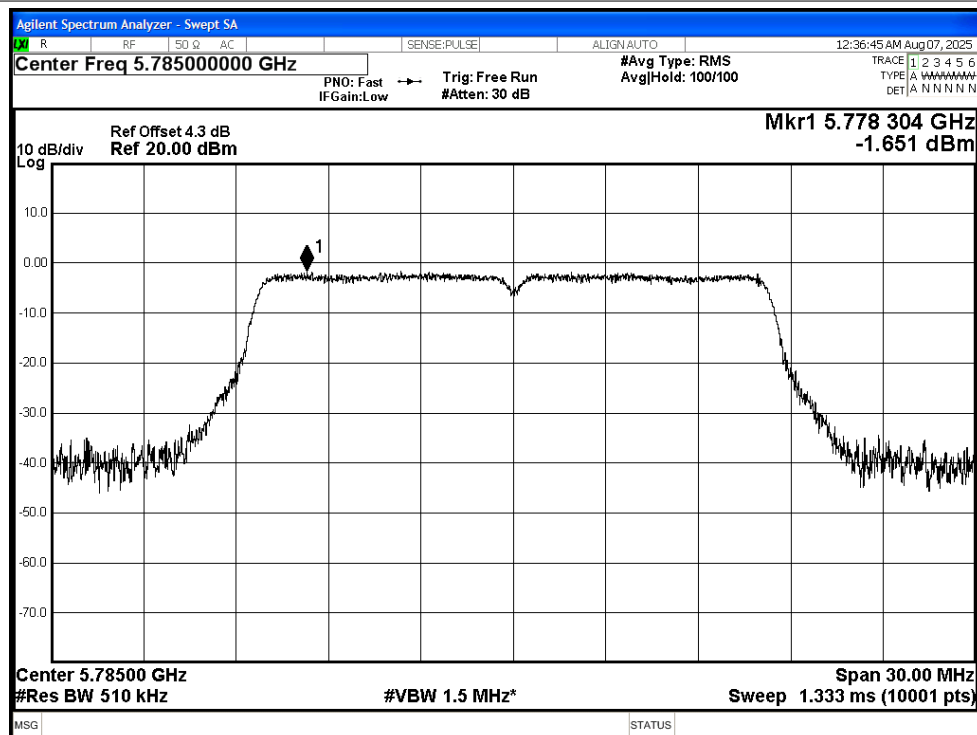
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	0.09	0.24	0.33	30	Pass
NVNT	a	5785	Ant1	-1.65	0.24	-1.41	30	Pass
NVNT	a	5825	Ant1	-1.77	0.24	-1.53	30	Pass
NVNT	n20	5745	Ant1	-3.02	0.12	-2.9	30	Pass
NVNT	n20	5785	Ant1	-2.43	0.12	-2.31	30	Pass
NVNT	n20	5825	Ant1	-2.38	0.12	-2.26	30	Pass
NVNT	n40	5755	Ant1	-6.92	0.24	-6.68	30	Pass
NVNT	n40	5795	Ant1	-6.51	0.24	-6.27	30	Pass
NVNT	ac20	5745	Ant1	-2.72	0.12	-2.6	30	Pass
NVNT	ac20	5785	Ant1	-2.56	0.12	-2.44	30	Pass
NVNT	ac20	5825	Ant1	-2.39	0.12	-2.27	30	Pass
NVNT	ac40	5755	Ant1	-5.77	0.24	-5.53	30	Pass
NVNT	ac40	5795	Ant1	-6.6	0.24	-6.36	30	Pass
NVNT	ac80	5775	Ant1	-9.43	0.47	-8.96	30	Pass

Test Graphs

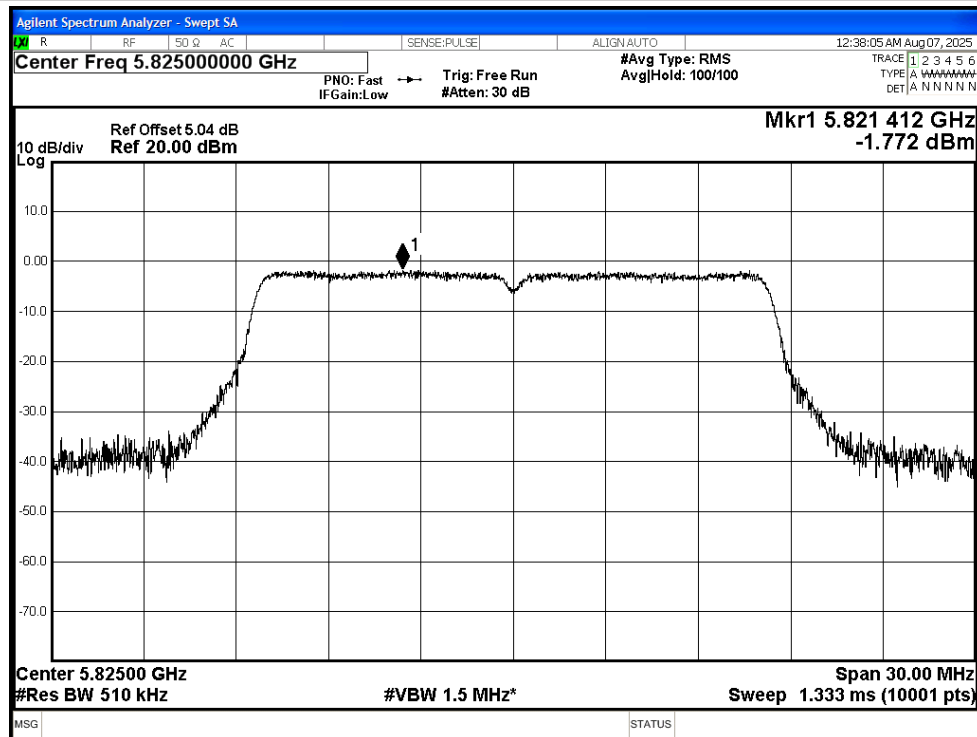
PSD NVNT a 5745MHz Ant1



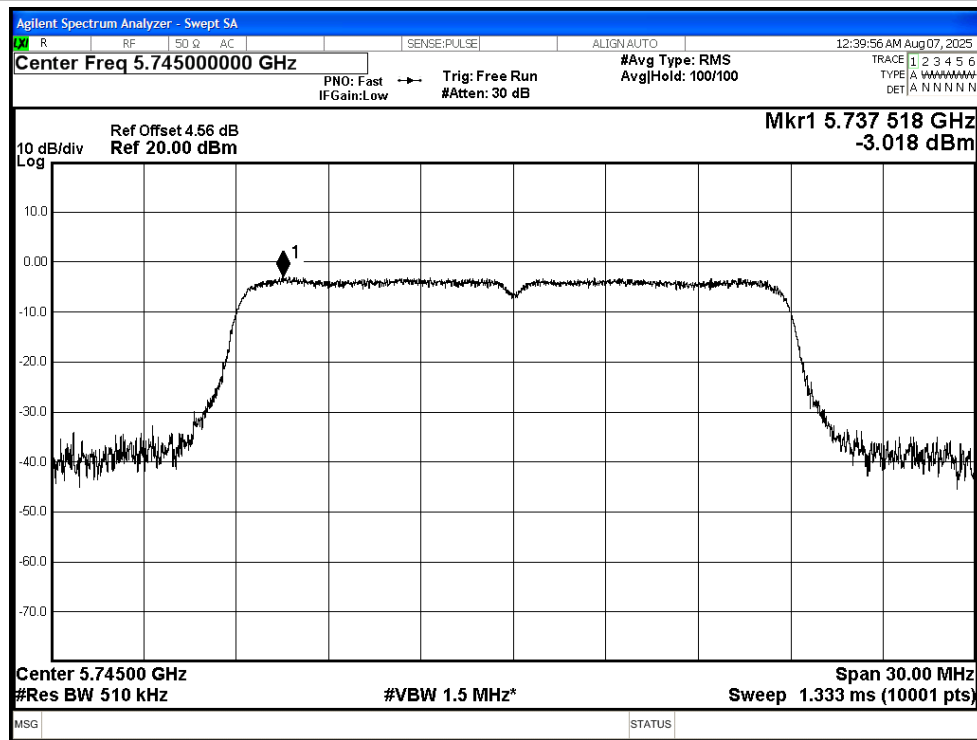
PSD NVNT a 5785MHz Ant1

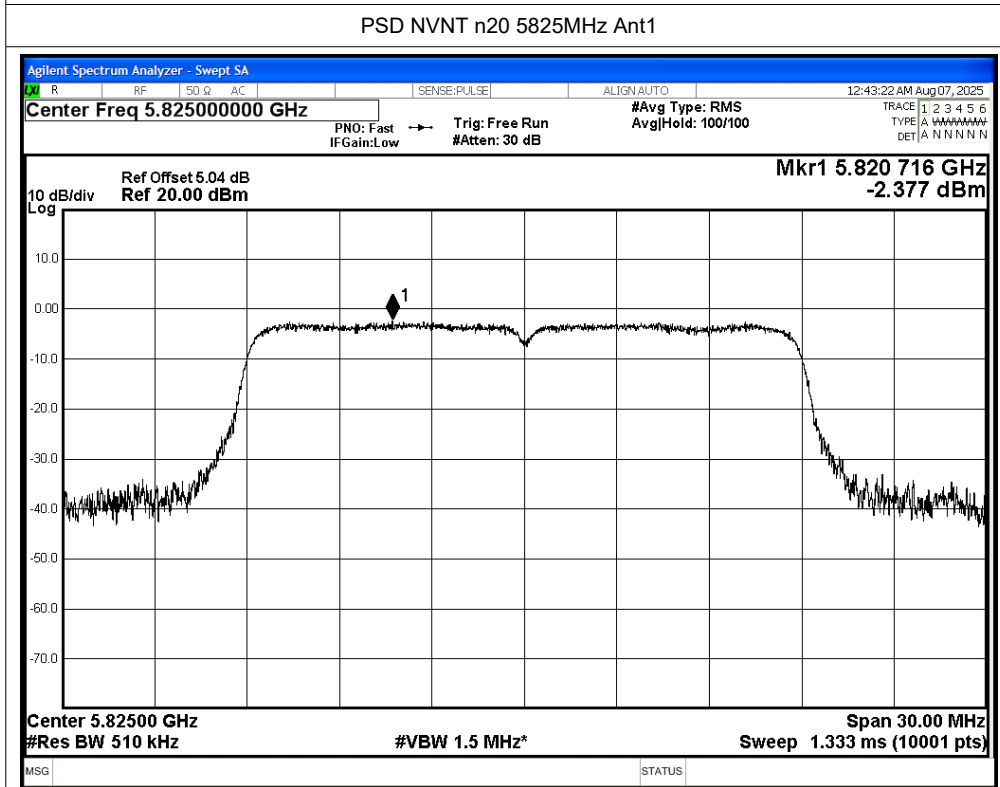
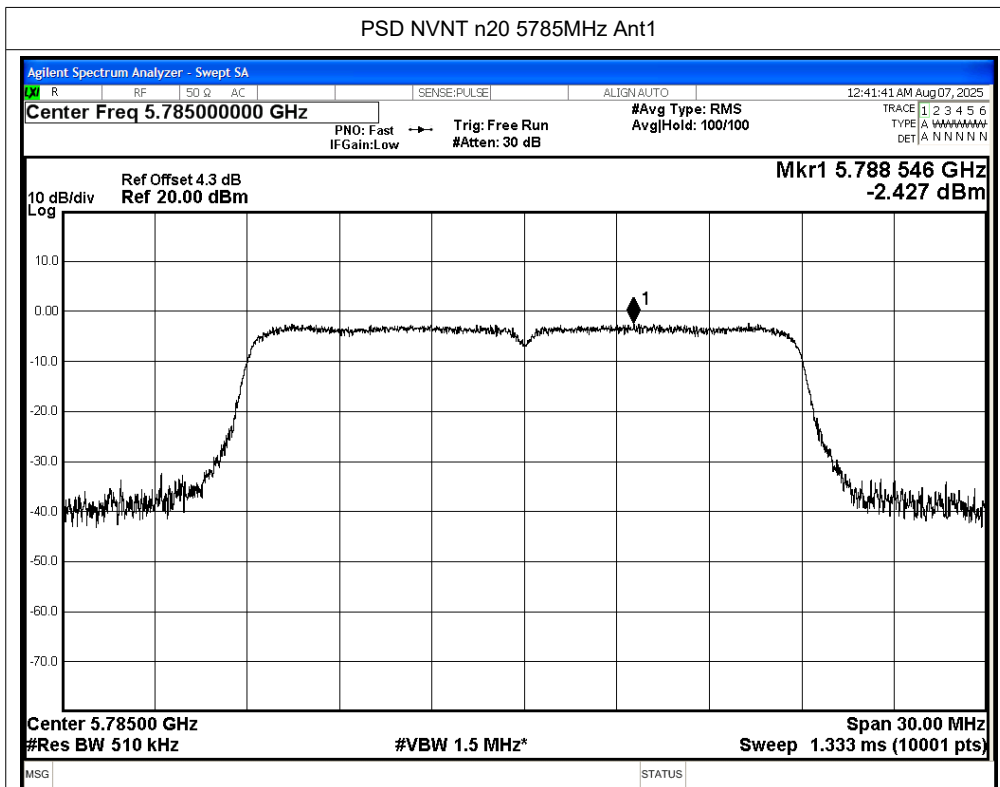


PSD NVNT a 5825MHz Ant1

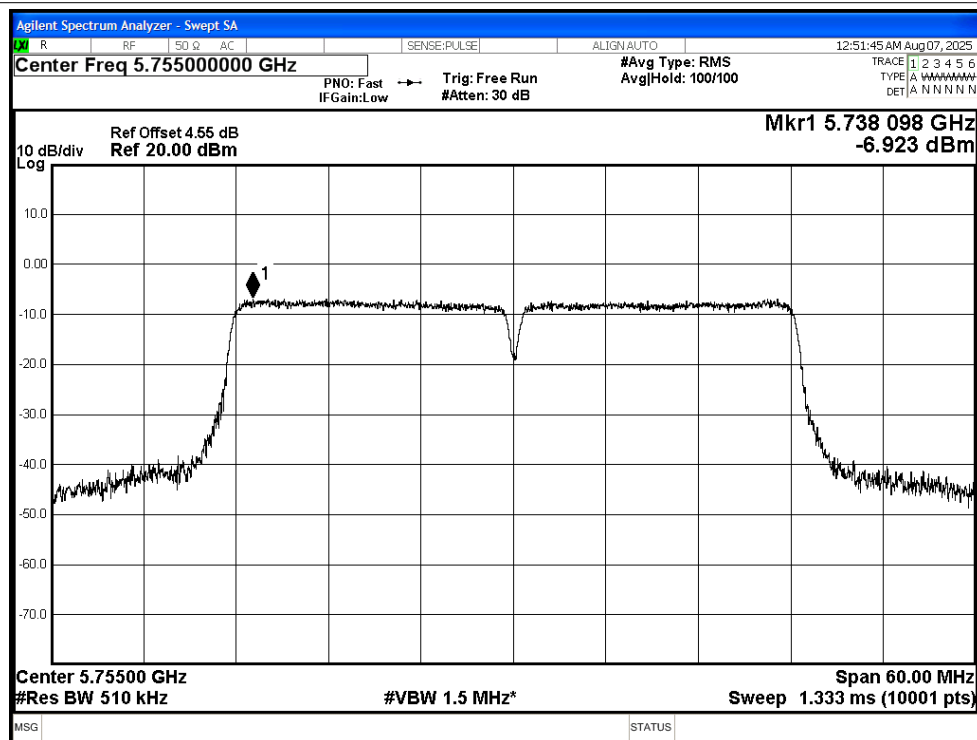


PSD NVNT n20 5745MHz Ant1

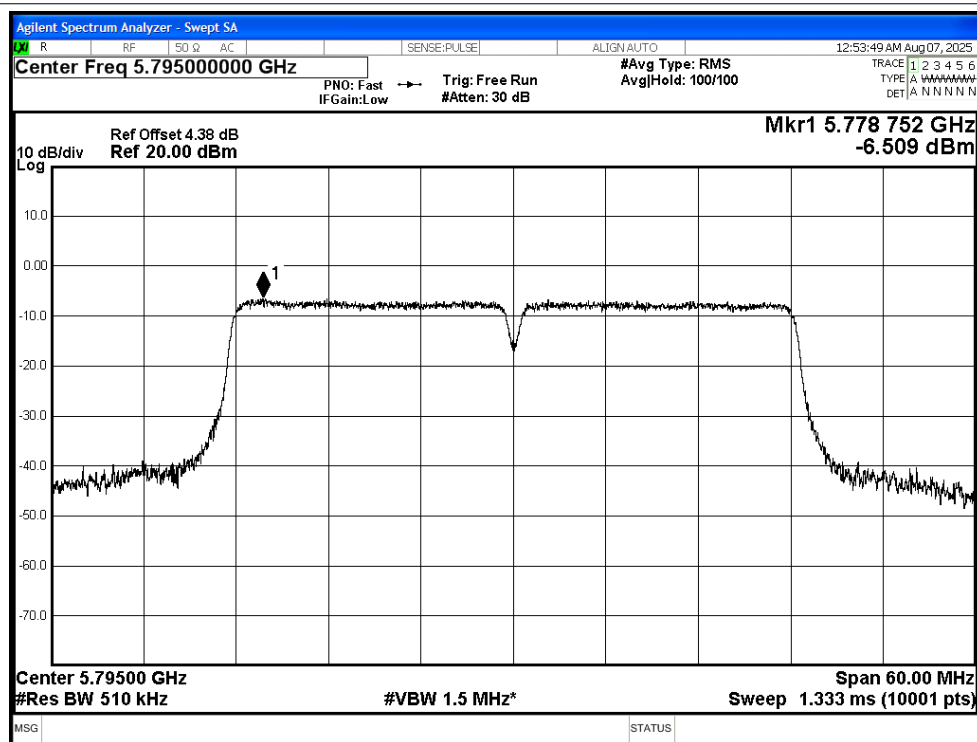




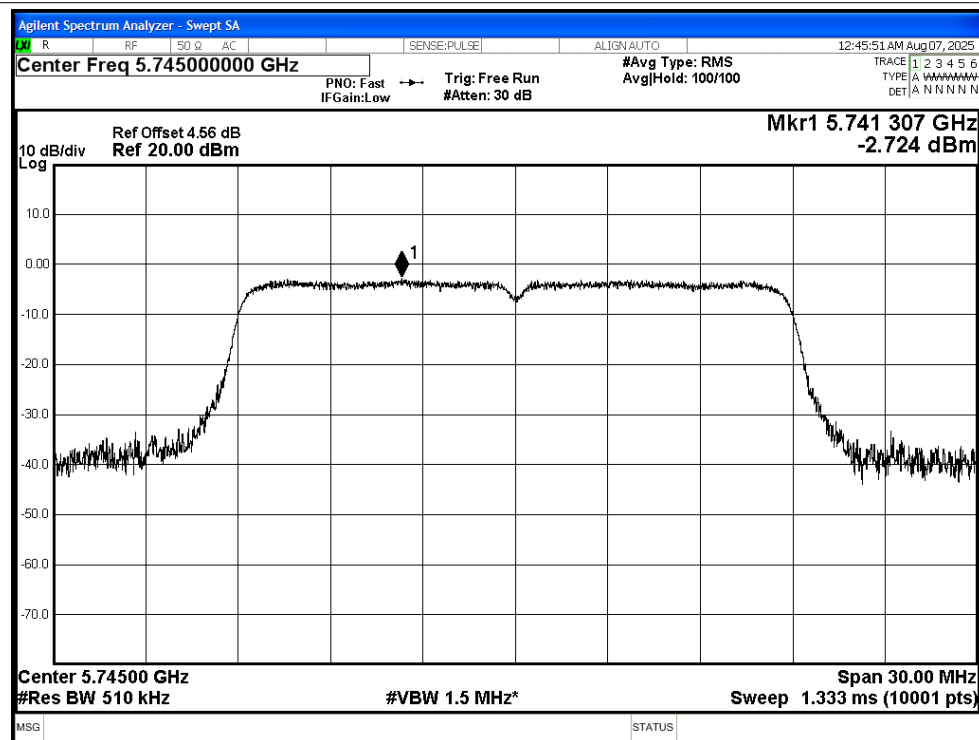
PSD NVNT n40 5755MHz Ant1



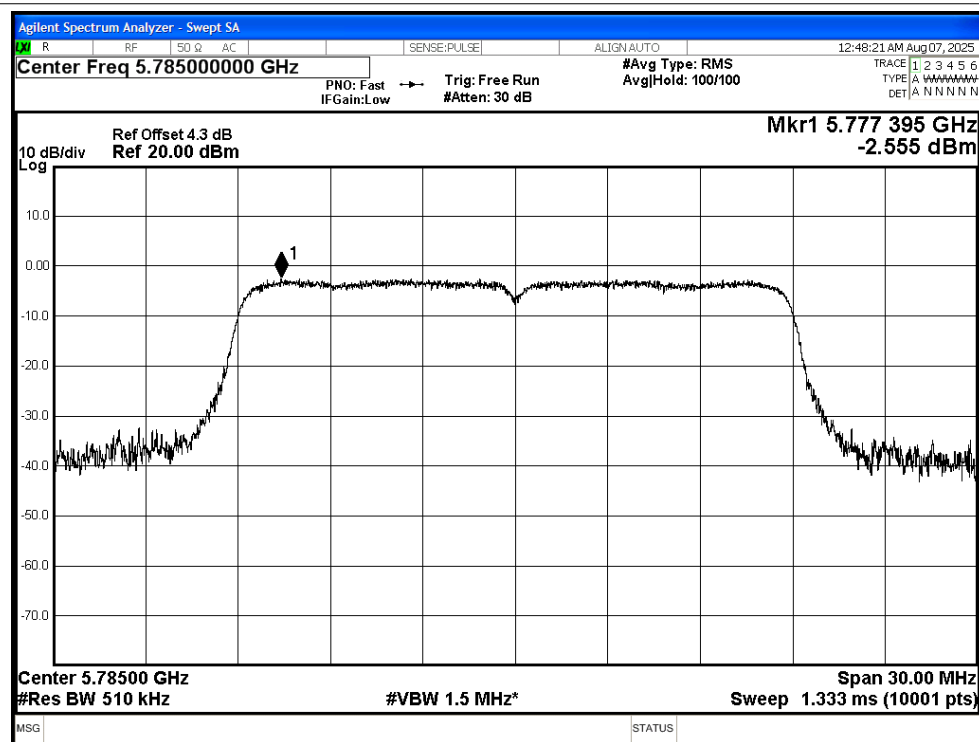
PSD NVNT n40 5795MHz Ant1



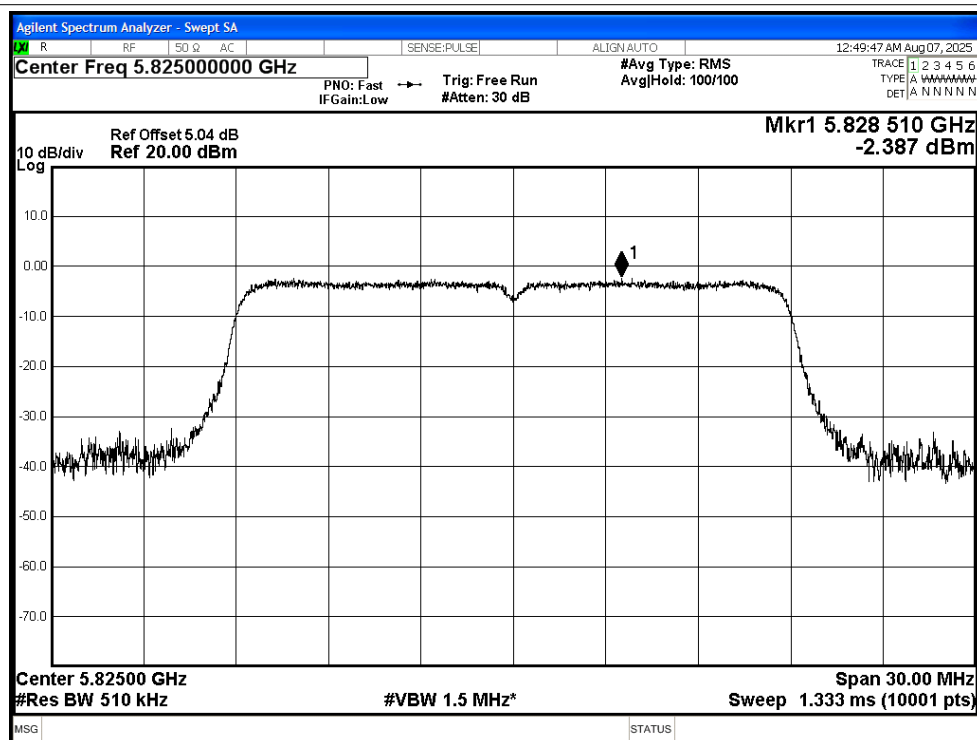
PSD NVNT ac20 5745MHz Ant1



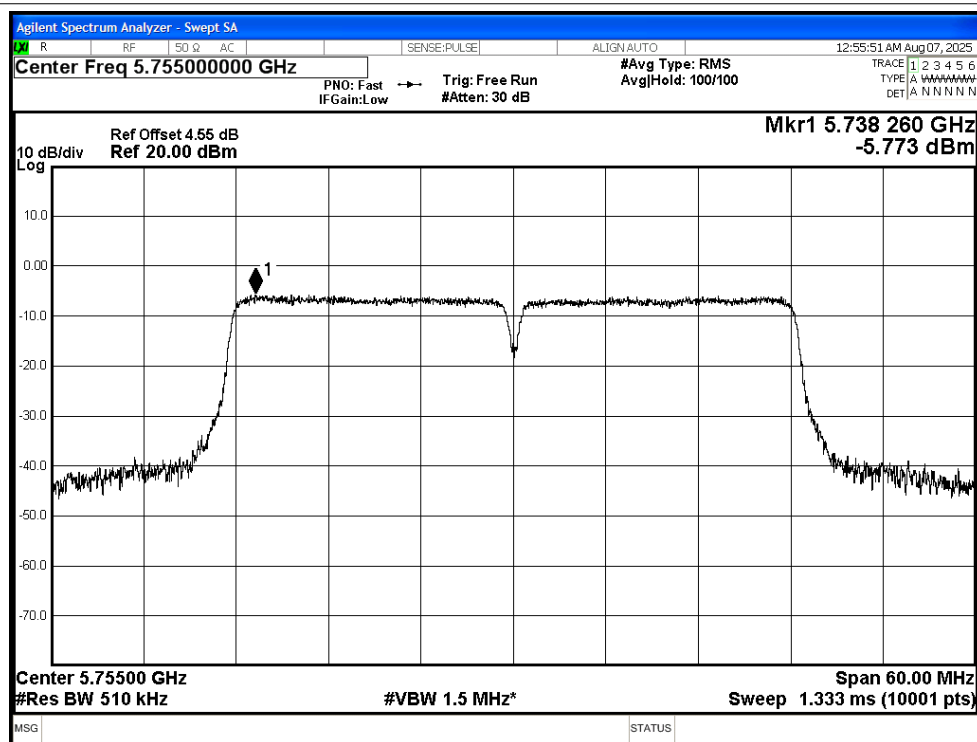
PSD NVNT ac20 5785MHz Ant1



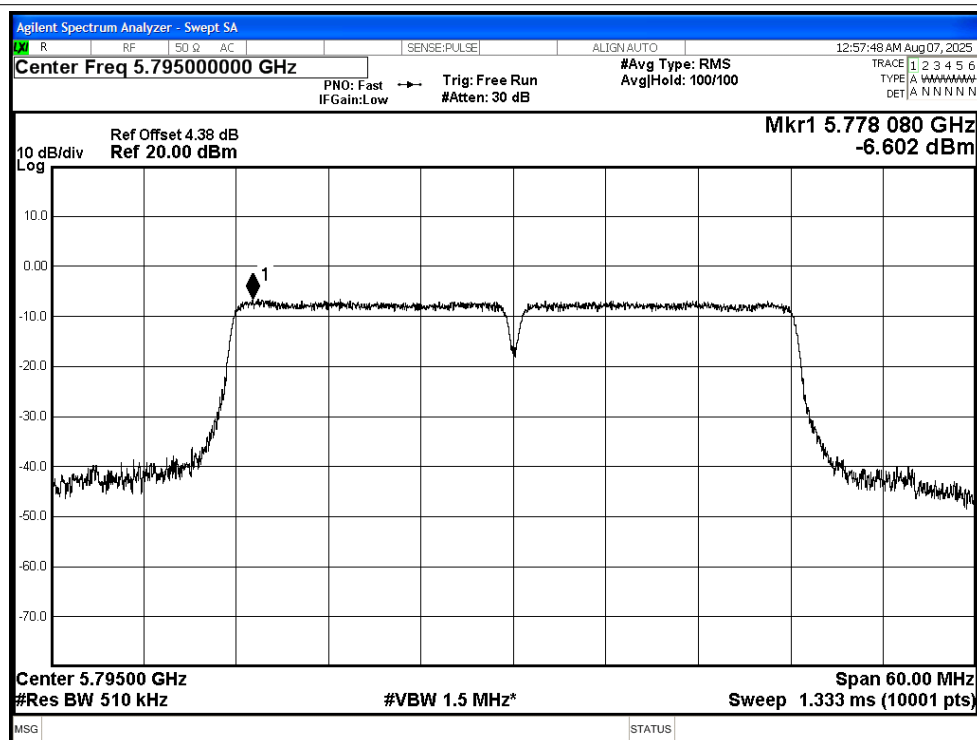
PSD NVNT ac20 5825MHz Ant1



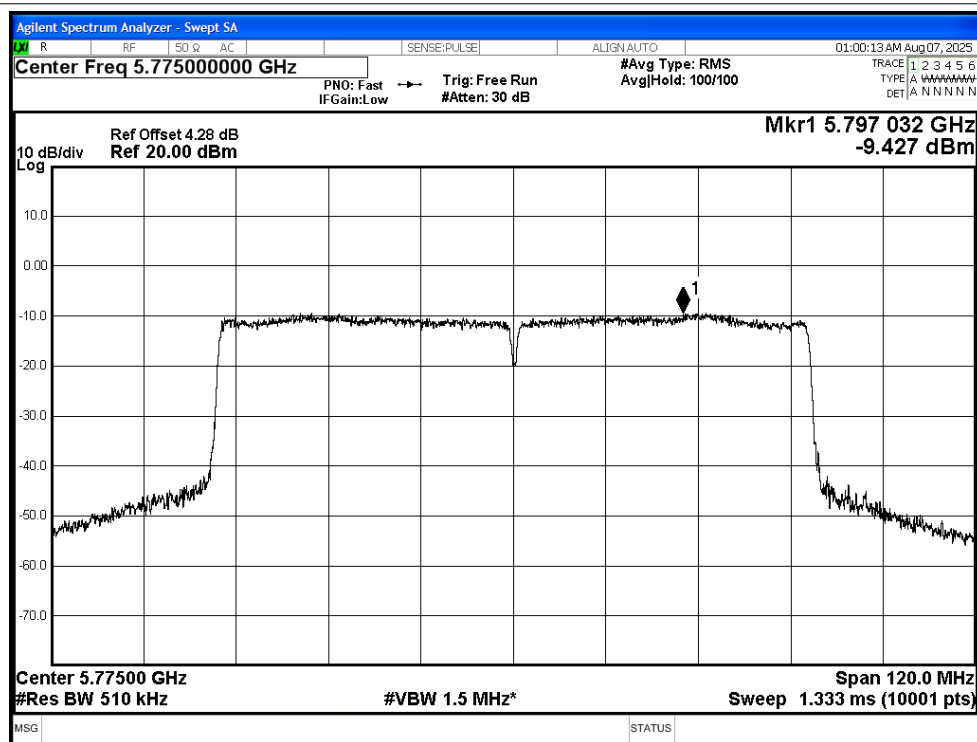
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1

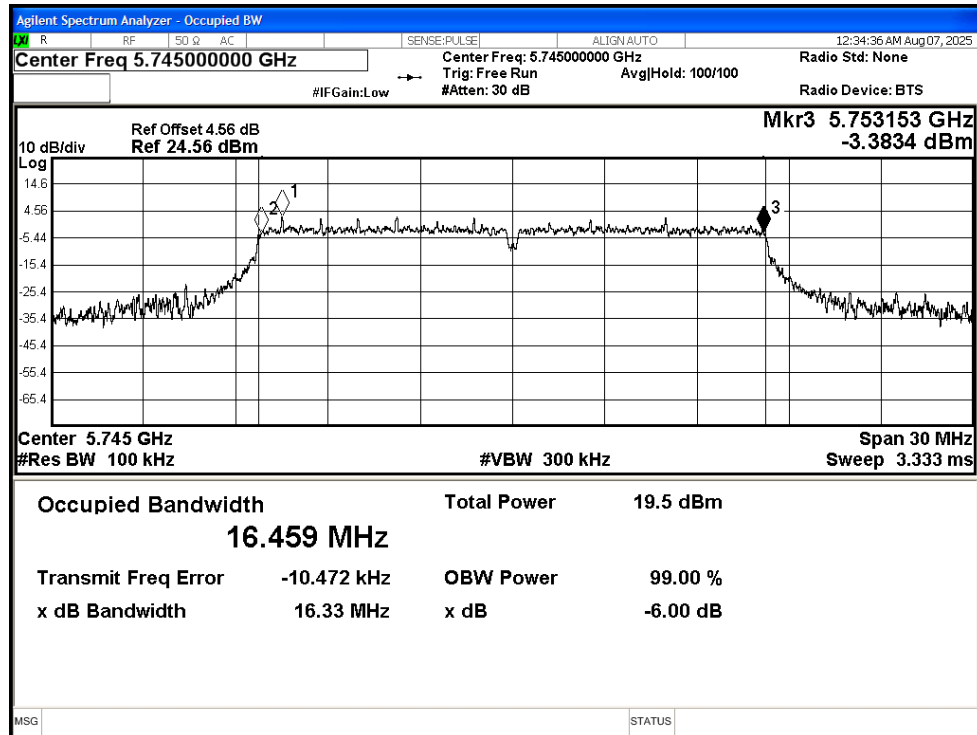


-6dB Bandwidth

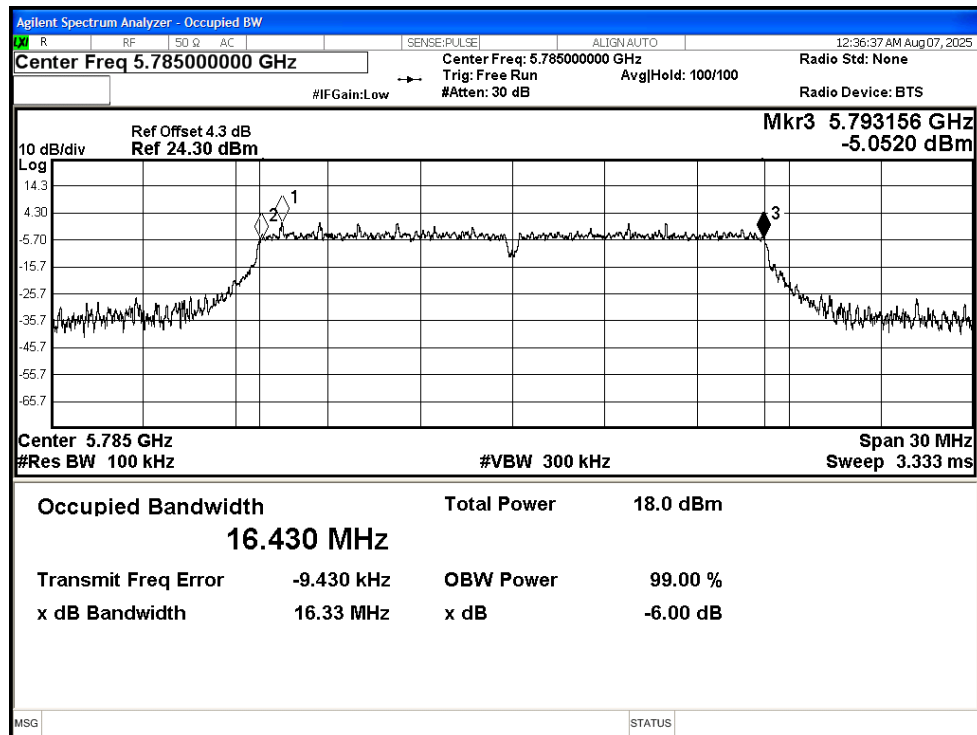
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.327	≥ 0.5	Pass
NVNT	a	5785	Ant1	16.332	≥ 0.5	Pass
NVNT	a	5825	Ant1	16.331	≥ 0.5	Pass
NVNT	n20	5745	Ant1	17.384	≥ 0.5	Pass
NVNT	n20	5785	Ant1	17.382	≥ 0.5	Pass
NVNT	n20	5825	Ant1	17.548	≥ 0.5	Pass
NVNT	n40	5755	Ant1	36.269	≥ 0.5	Pass
NVNT	n40	5795	Ant1	36.285	≥ 0.5	Pass
NVNT	ac20	5745	Ant1	17.566	≥ 0.5	Pass
NVNT	ac20	5785	Ant1	17.408	≥ 0.5	Pass
NVNT	ac20	5825	Ant1	17.518	≥ 0.5	Pass
NVNT	ac40	5755	Ant1	36.126	≥ 0.5	Pass
NVNT	ac40	5795	Ant1	36.26	≥ 0.5	Pass
NVNT	ac80	5775	Ant1	75.892	≥ 0.5	Pass

Test Graphs

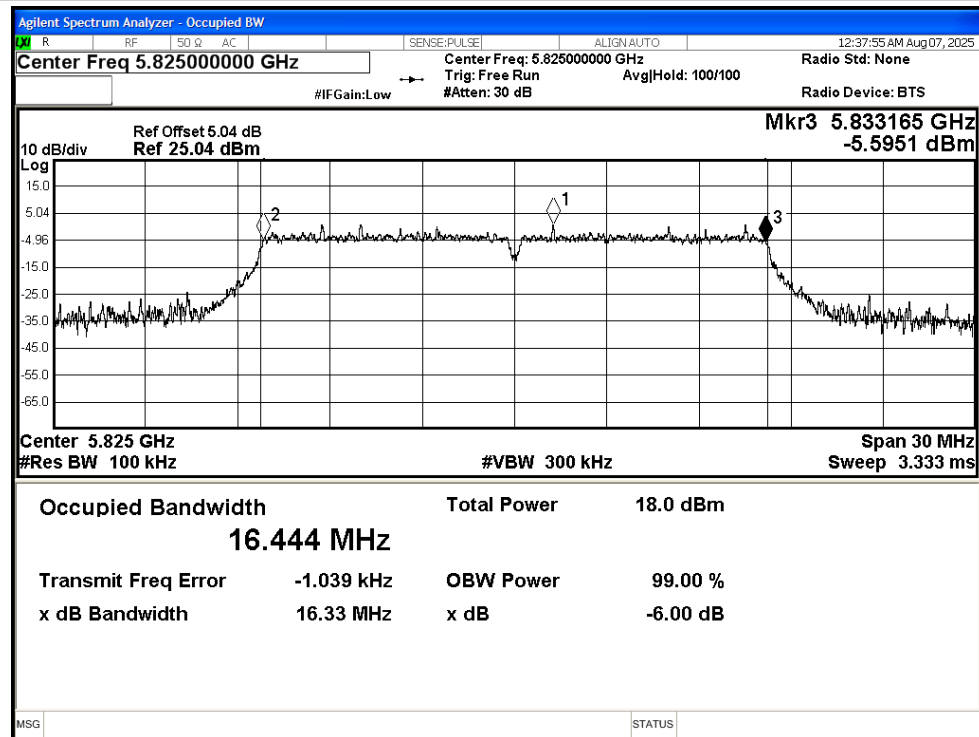
-6dB Bandwidth NVNT a 5745MHz Ant1



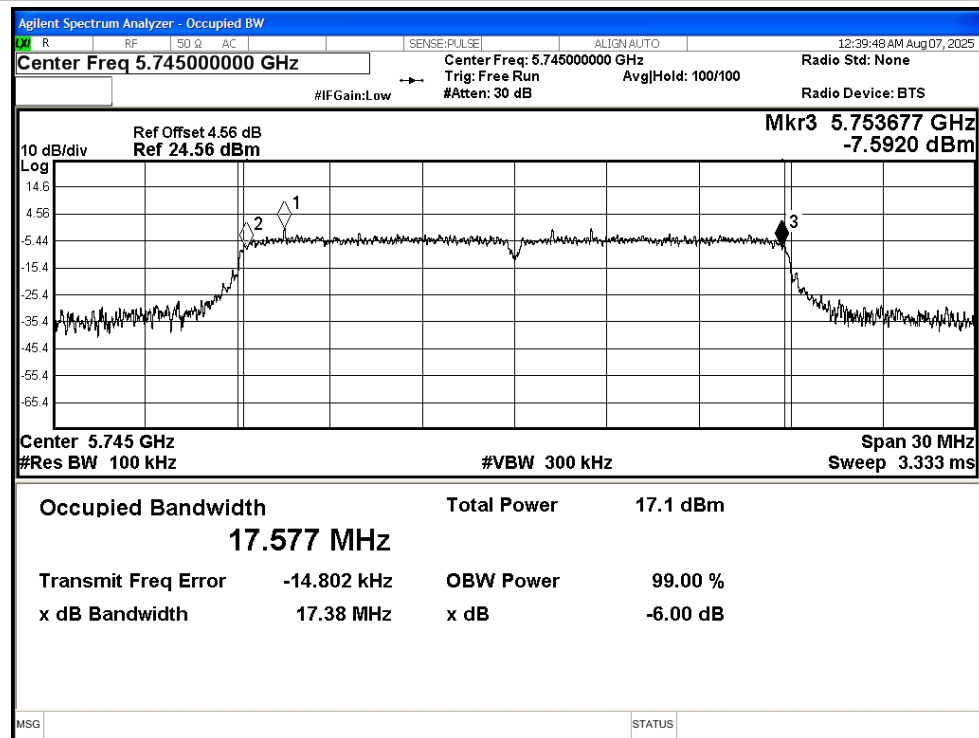
-6dB Bandwidth NVNT a 5785MHz Ant1



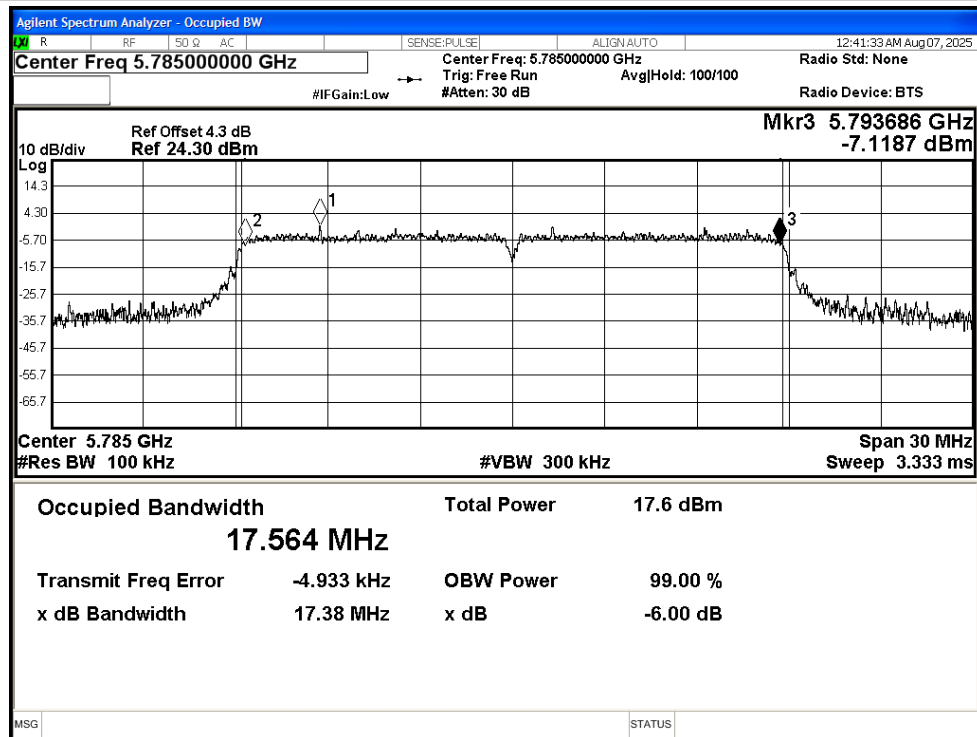
-6dB Bandwidth NVNT a 5825MHz Ant1



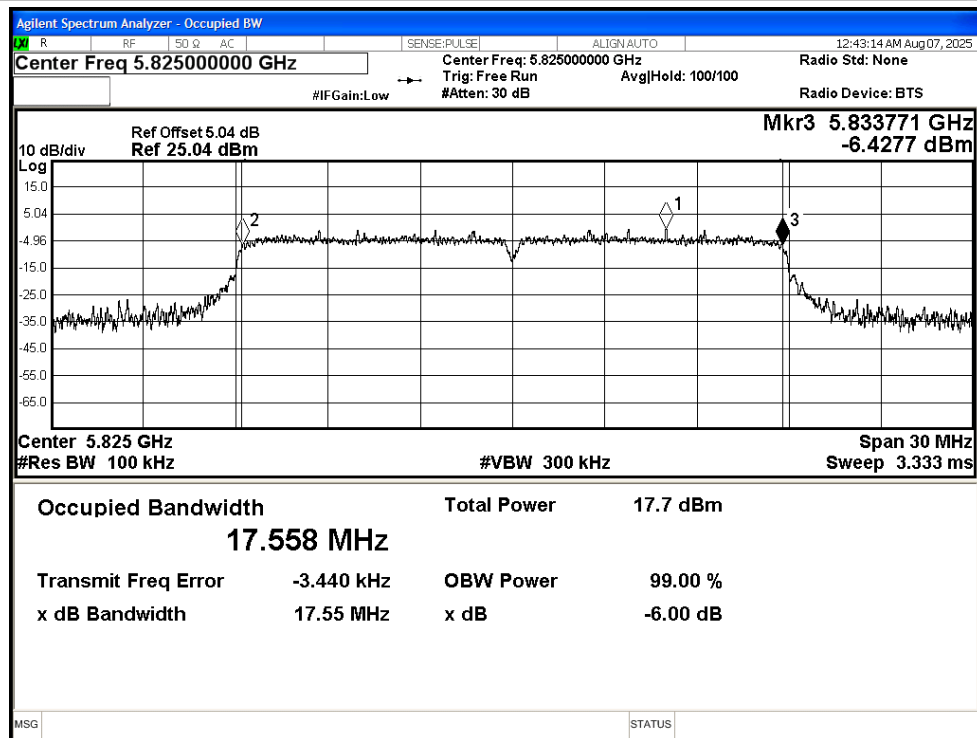
-6dB Bandwidth NVNT n20 5745MHz Ant1



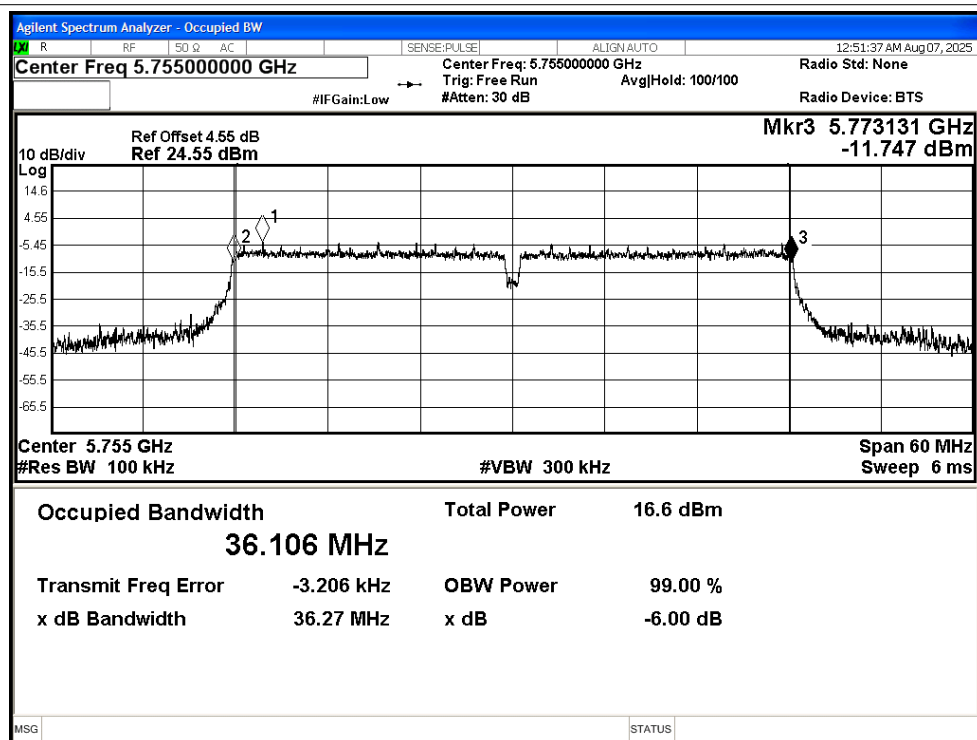
-6dB Bandwidth NVNT n20 5785MHz Ant1



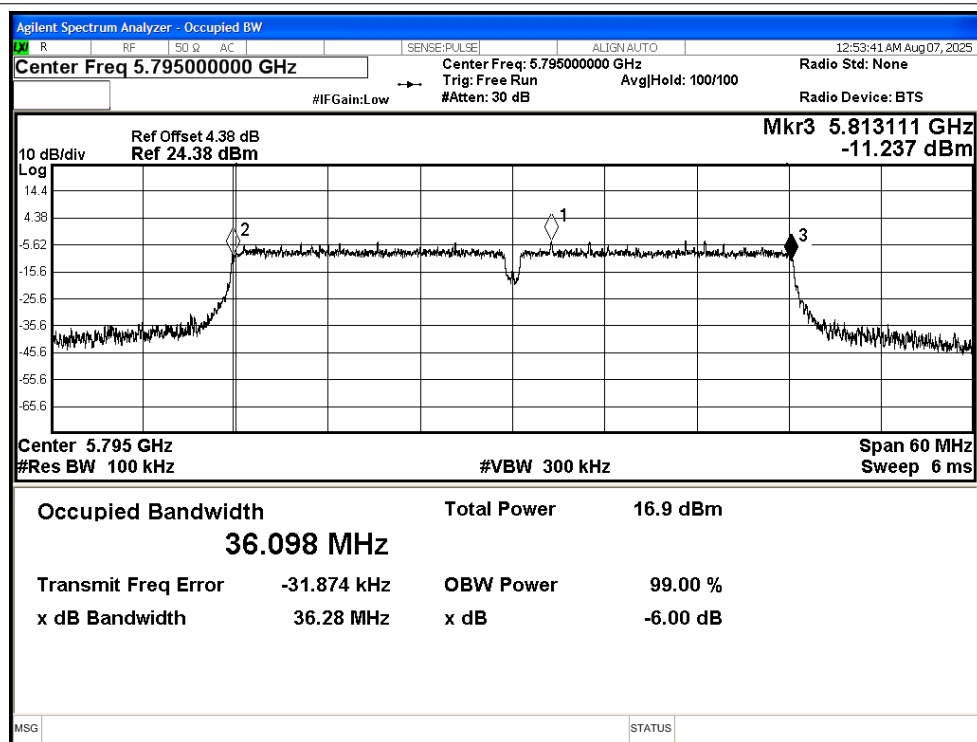
-6dB Bandwidth NVNT n20 5825MHz Ant1



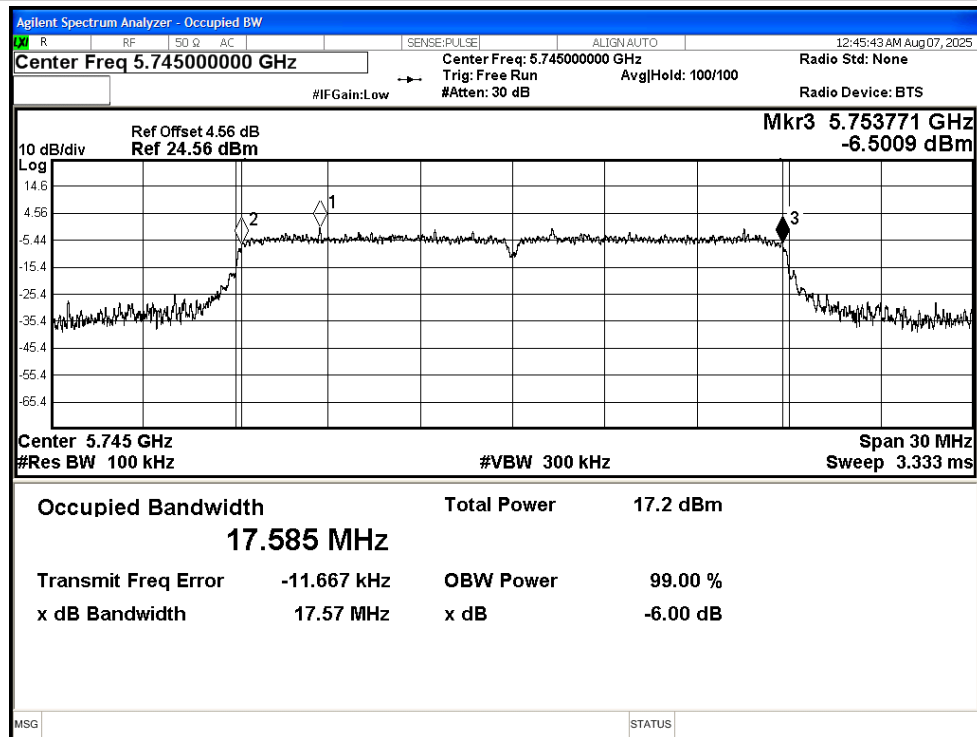
-6dB Bandwidth NVNT n40 5755MHz Ant1



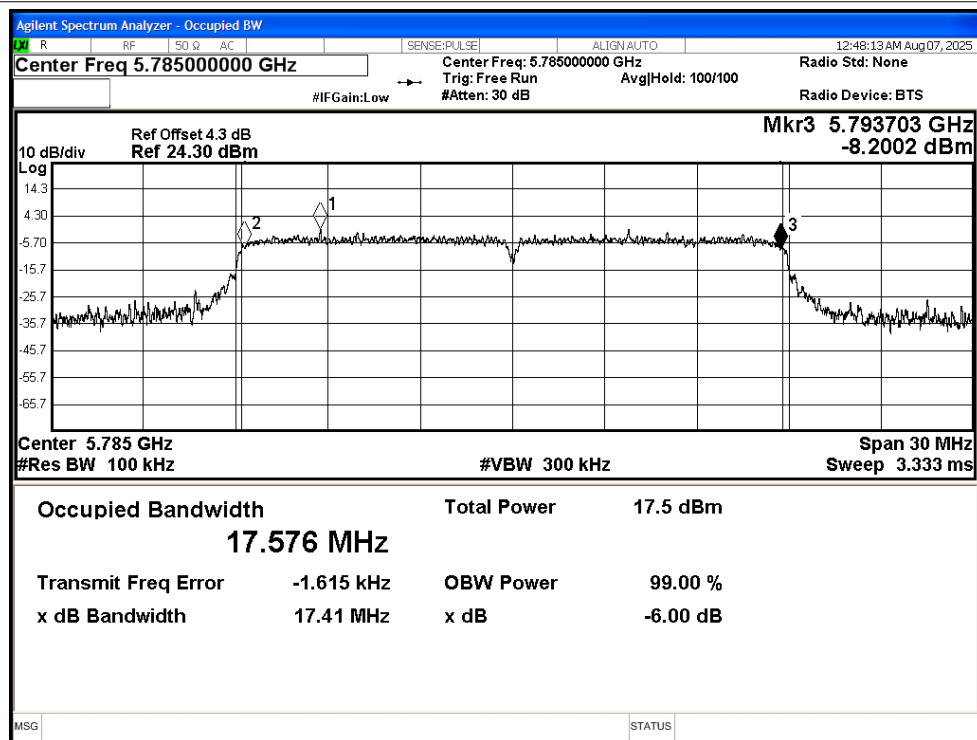
-6dB Bandwidth NVNT n40 5795MHz Ant1



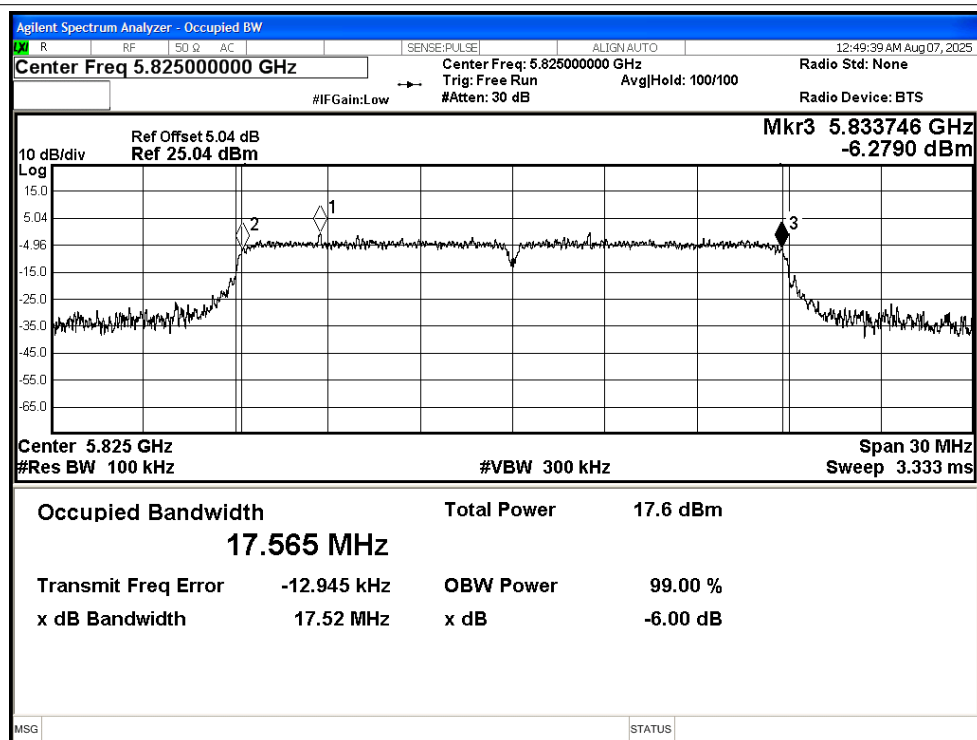
-6dB Bandwidth NVNT ac20 5745MHz Ant1



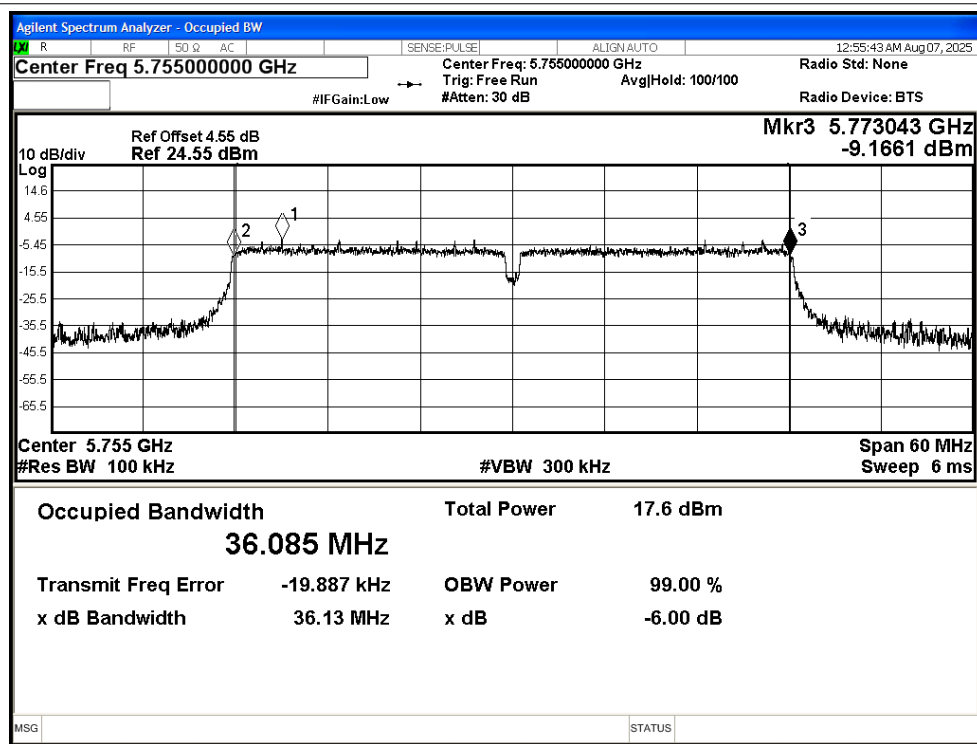
-6dB Bandwidth NVNT ac20 5785MHz Ant1



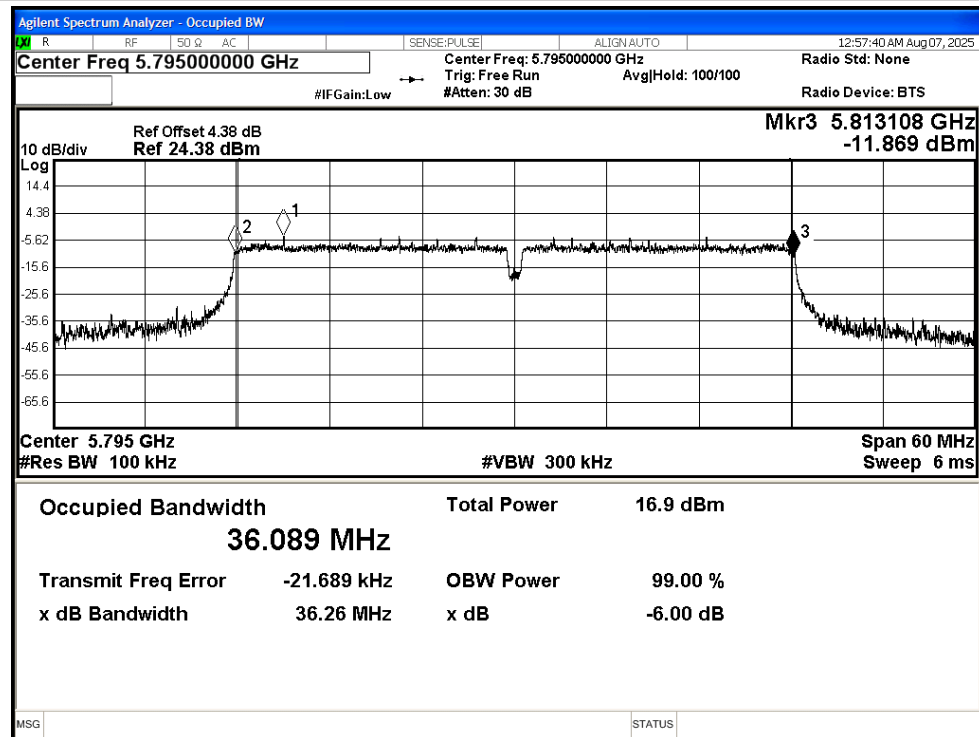
-6dB Bandwidth NVNT ac20 5825MHz Ant1



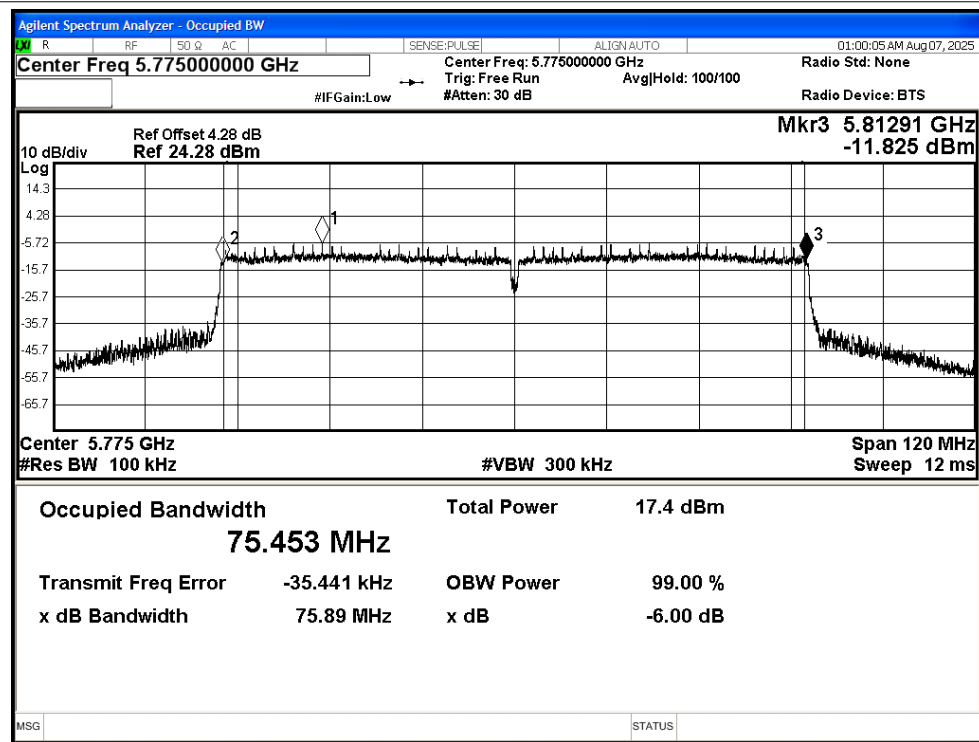
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

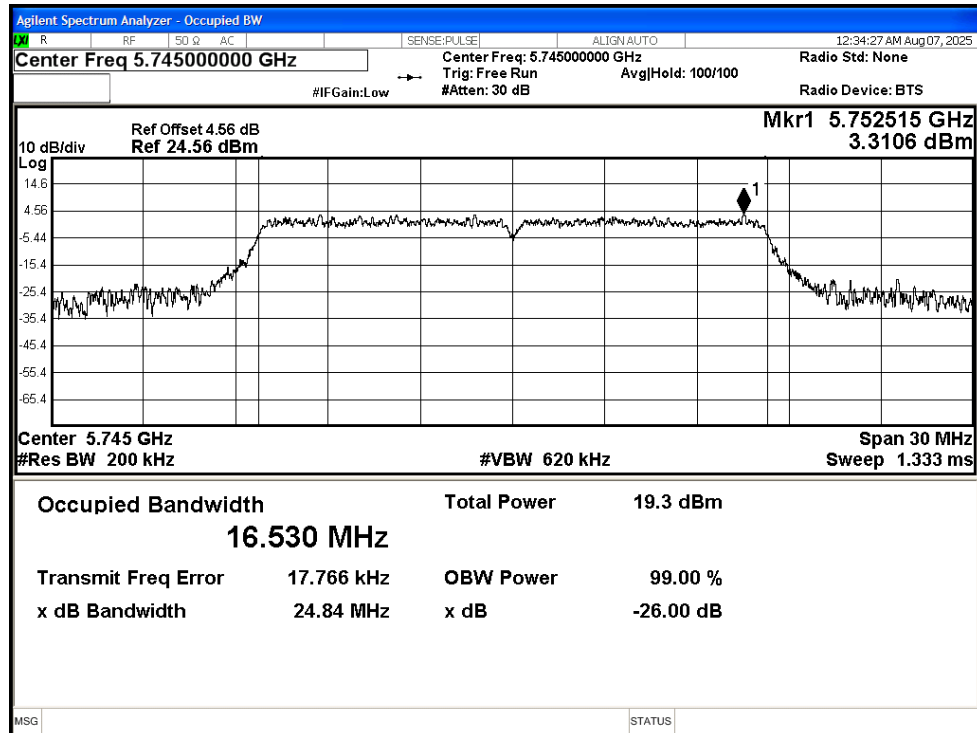


Occupied Channel Bandwidth

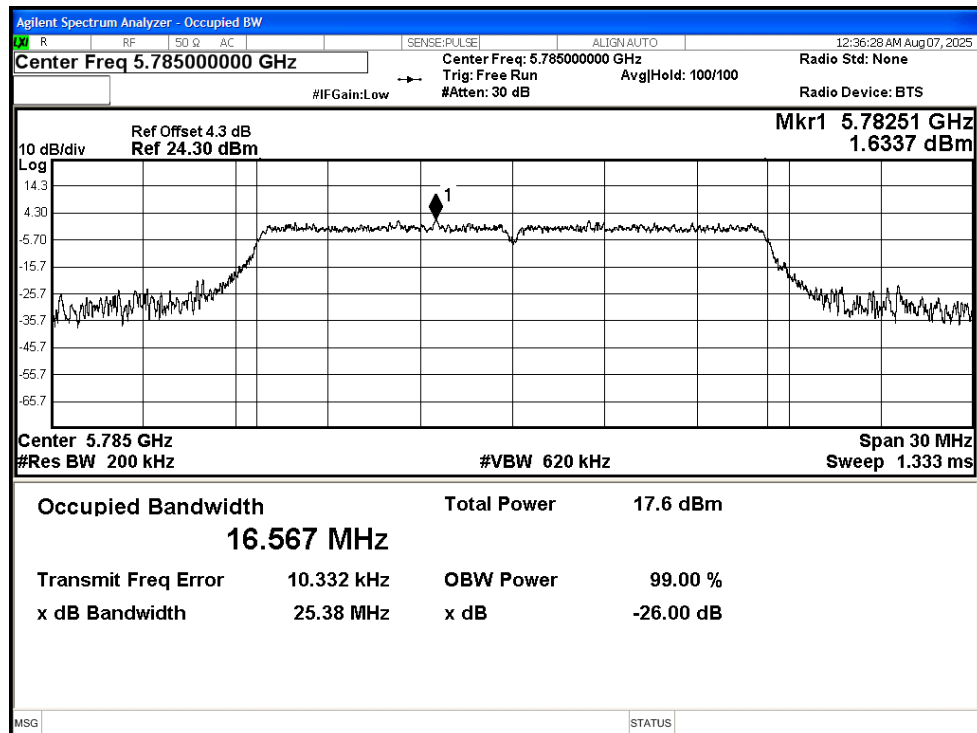
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.53
NVNT	a	5785	Ant1	16.567
NVNT	a	5825	Ant1	16.545
NVNT	n20	5745	Ant1	17.626
NVNT	n20	5785	Ant1	17.637
NVNT	n20	5825	Ant1	17.632
NVNT	n40	5755	Ant1	36.219
NVNT	n40	5795	Ant1	36.211
NVNT	ac20	5745	Ant1	17.651
NVNT	ac20	5785	Ant1	17.649
NVNT	ac20	5825	Ant1	17.638
NVNT	ac40	5755	Ant1	36.295
NVNT	ac40	5795	Ant1	36.238
NVNT	ac80	5775	Ant1	75.516

Test Graphs

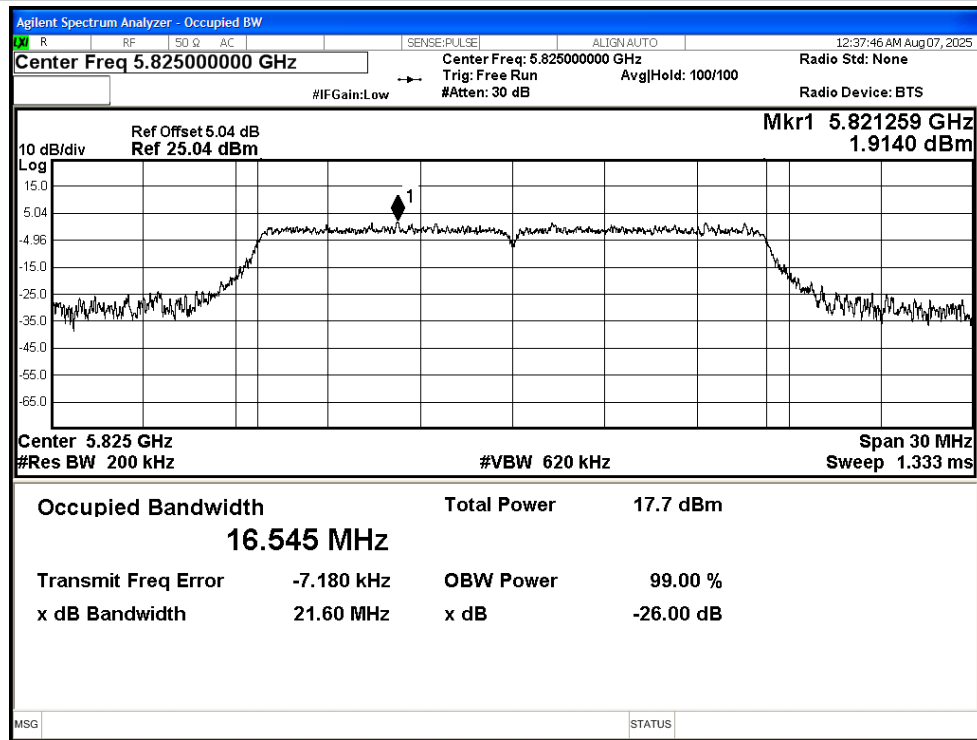
OBW NVNT a 5745MHz Ant1



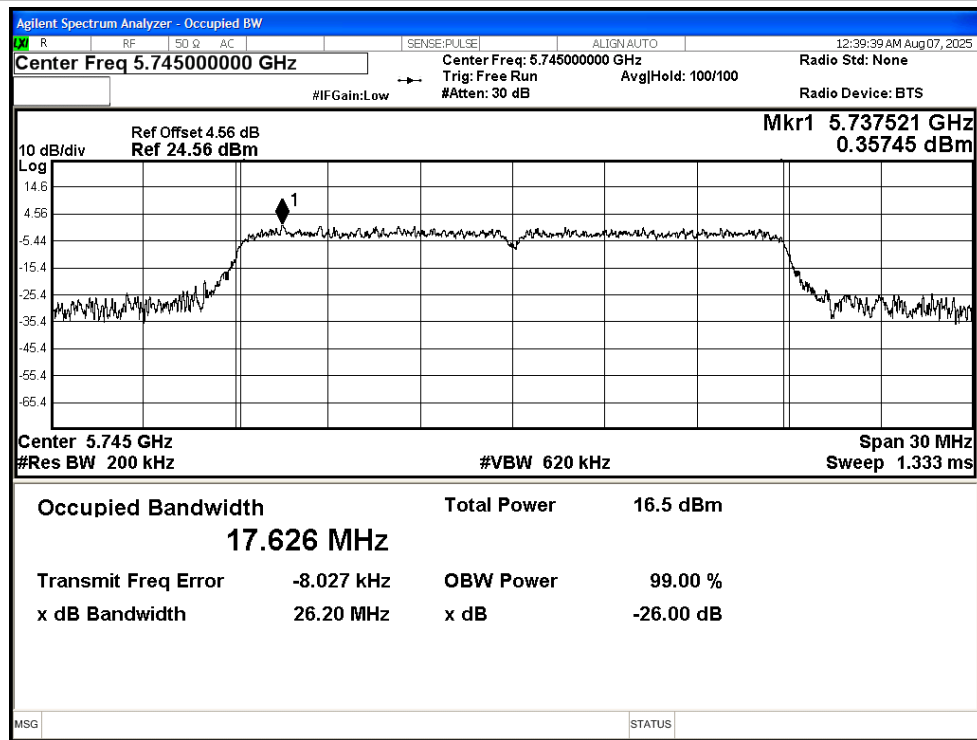
OBW NVNT a 5785MHz Ant1



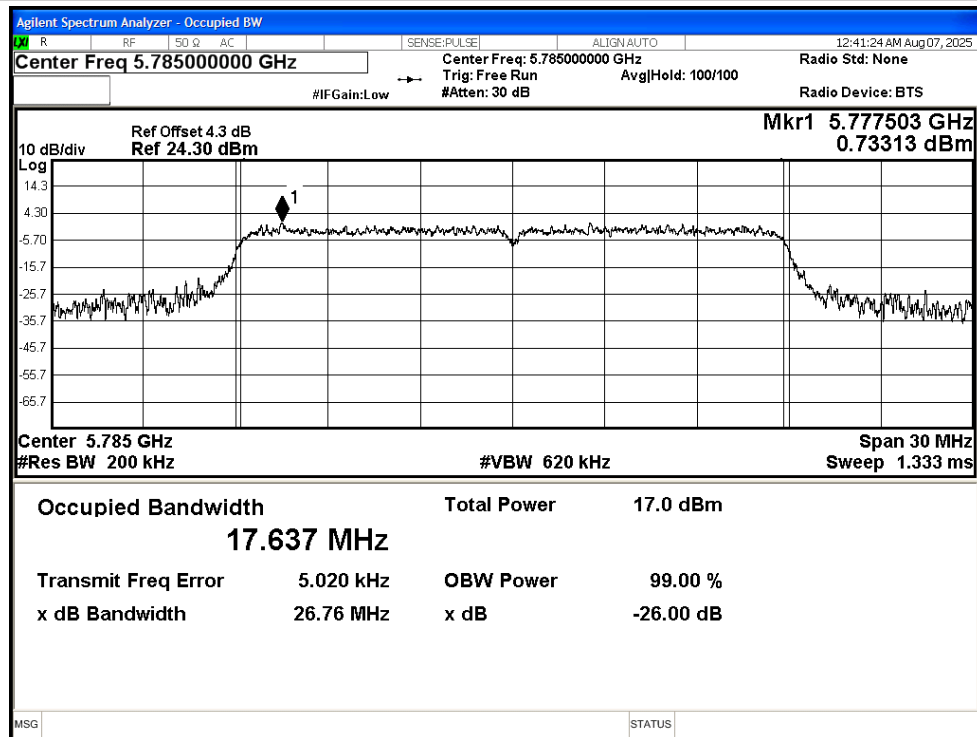
OBW NVNT a 5825MHz Ant1



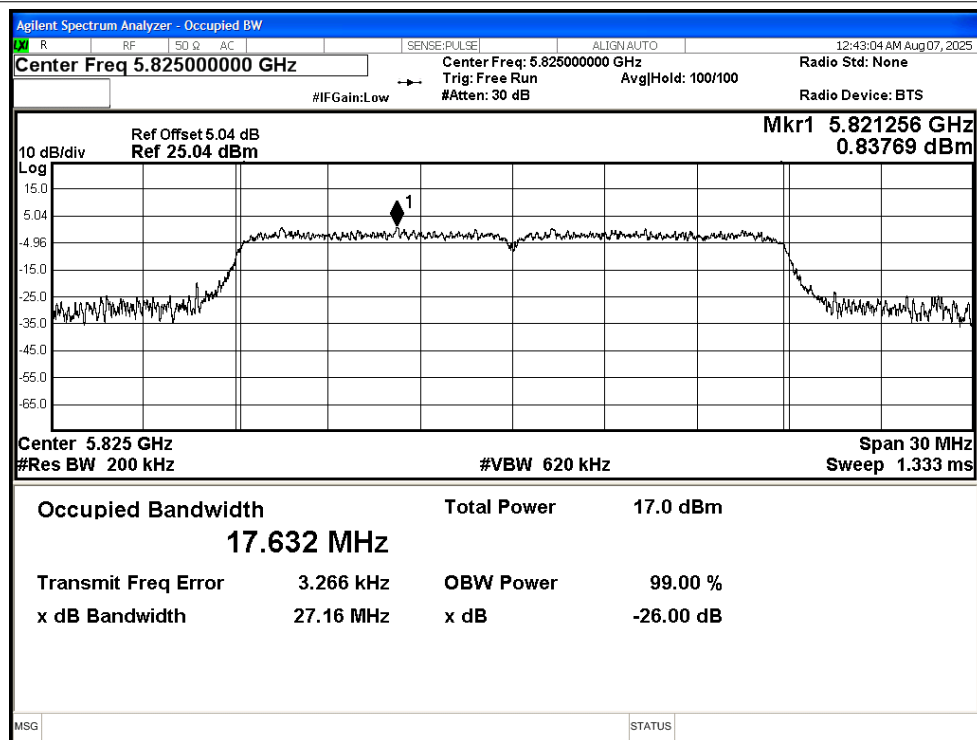
OBW NVNT n20 5745MHz Ant1



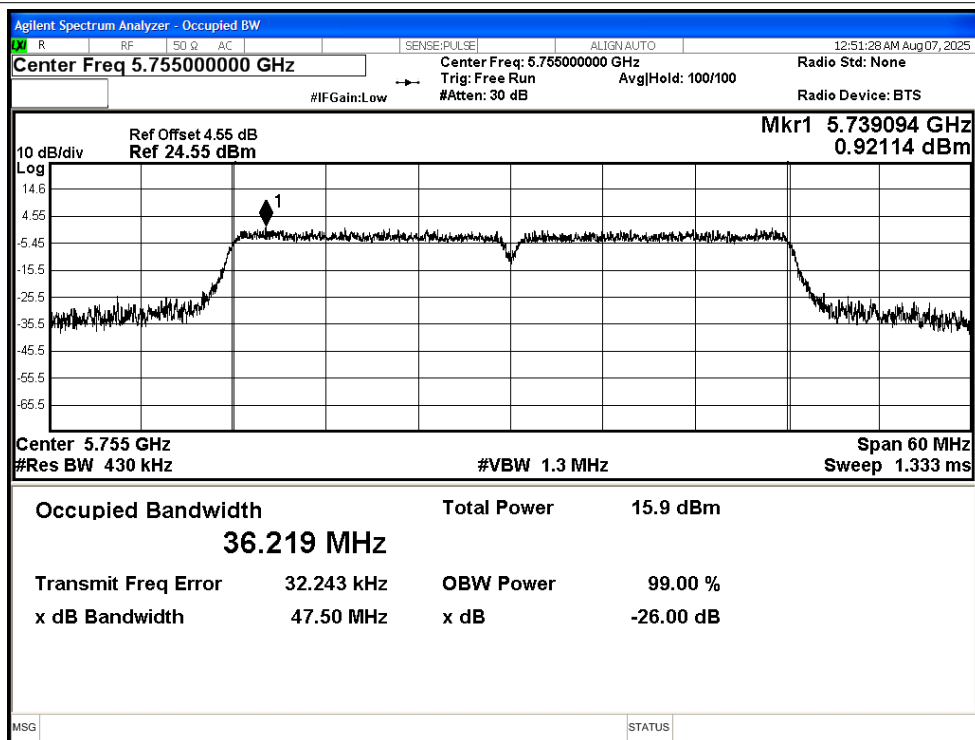
OBW NVNT n20 5785MHz Ant1



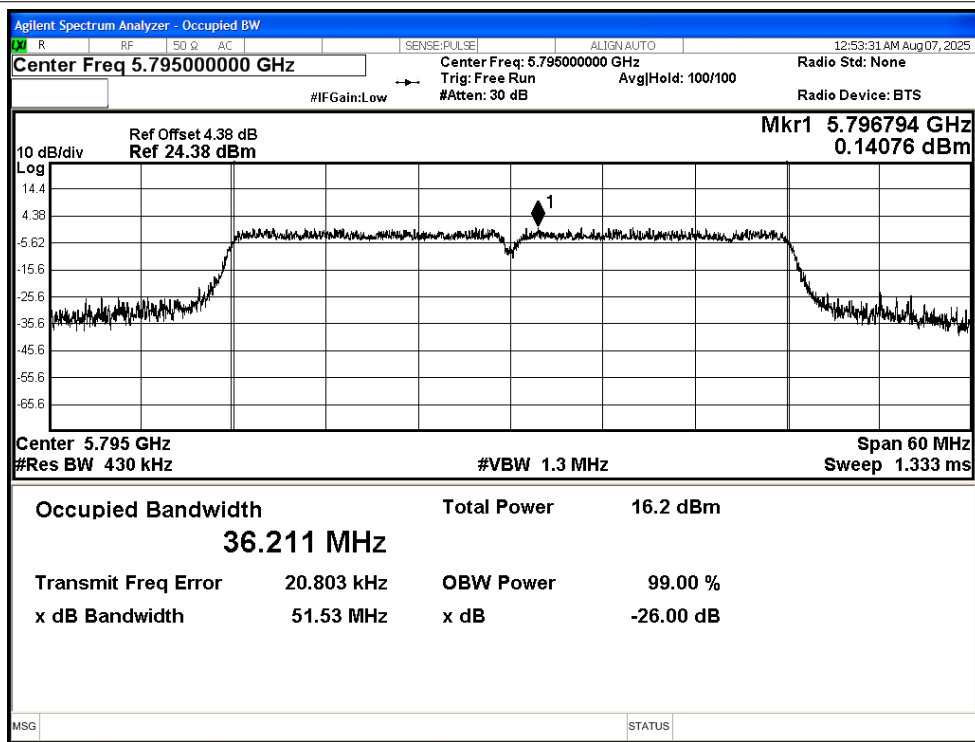
OBW NVNT n20 5825MHz Ant1



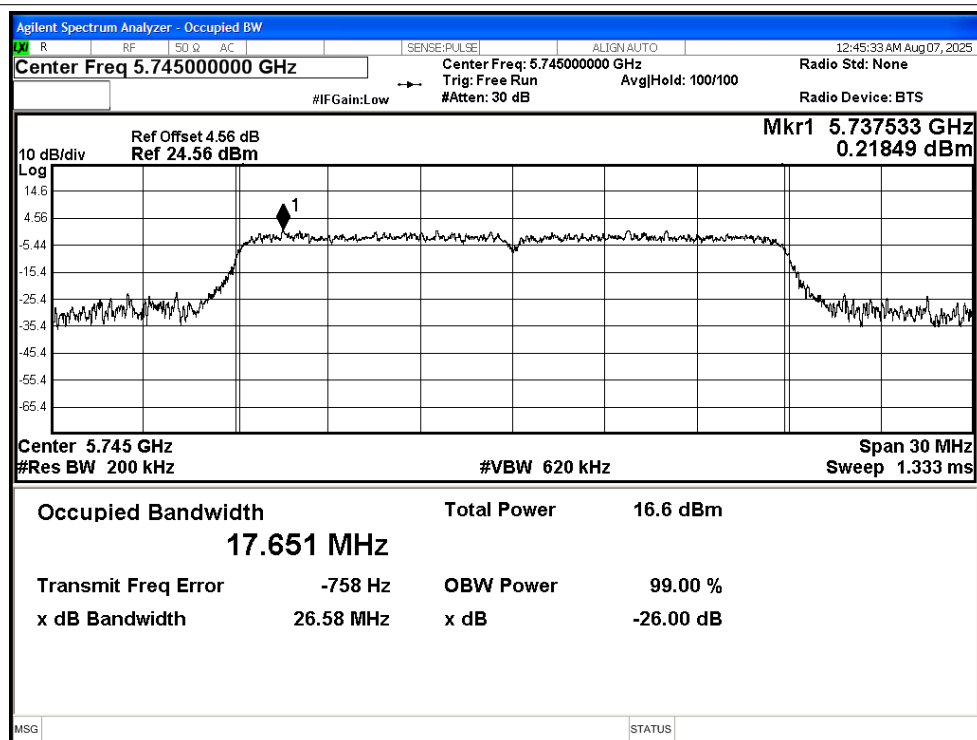
OBW NVNT n40 5755MHz Ant1



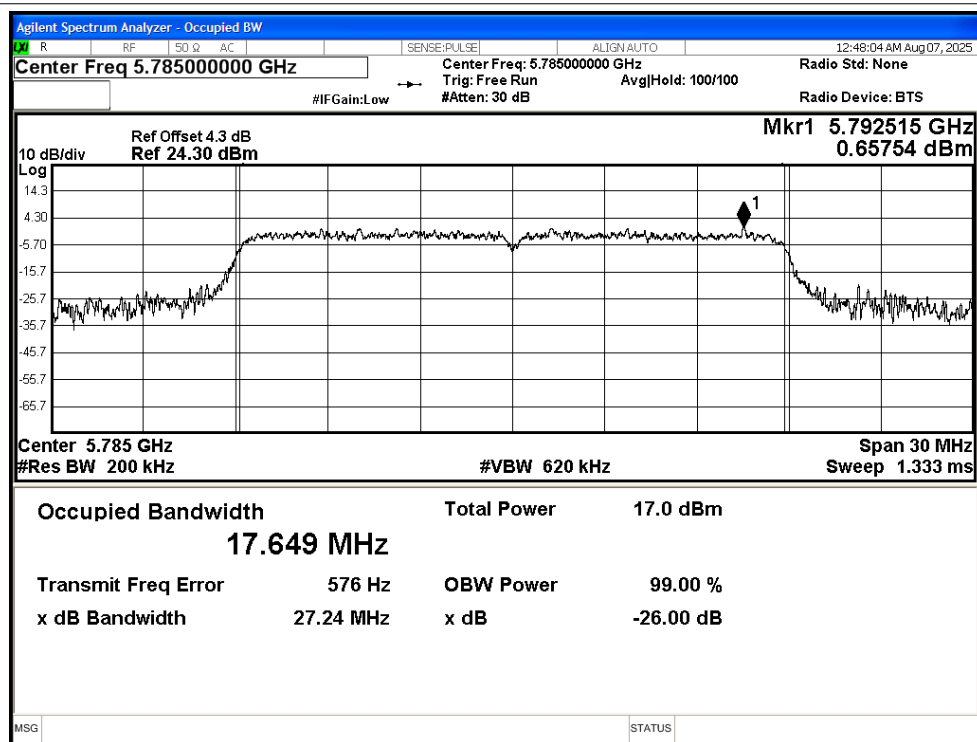
OBW NVNT n40 5795MHz Ant1



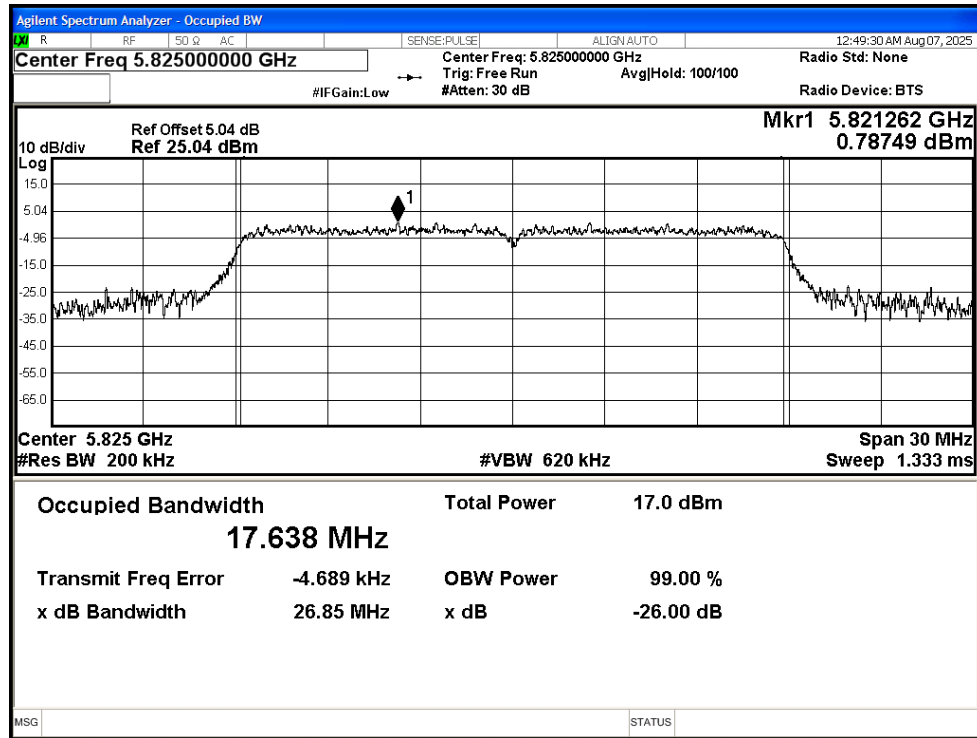
OBW NVNT ac20 5745MHz Ant1



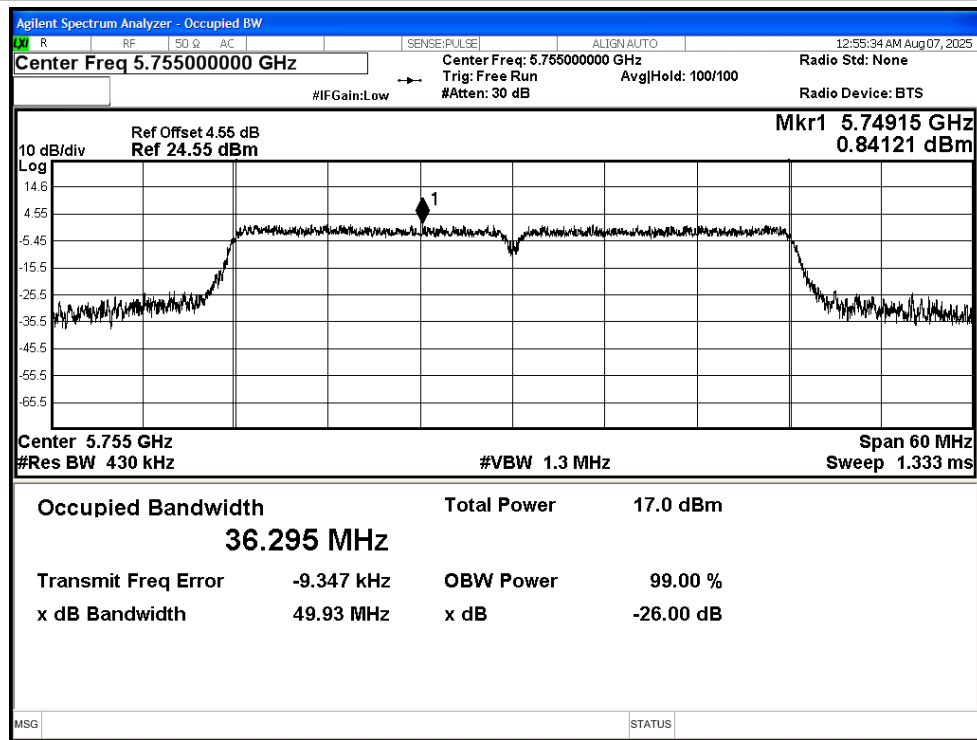
OBW NVNT ac20 5785MHz Ant1



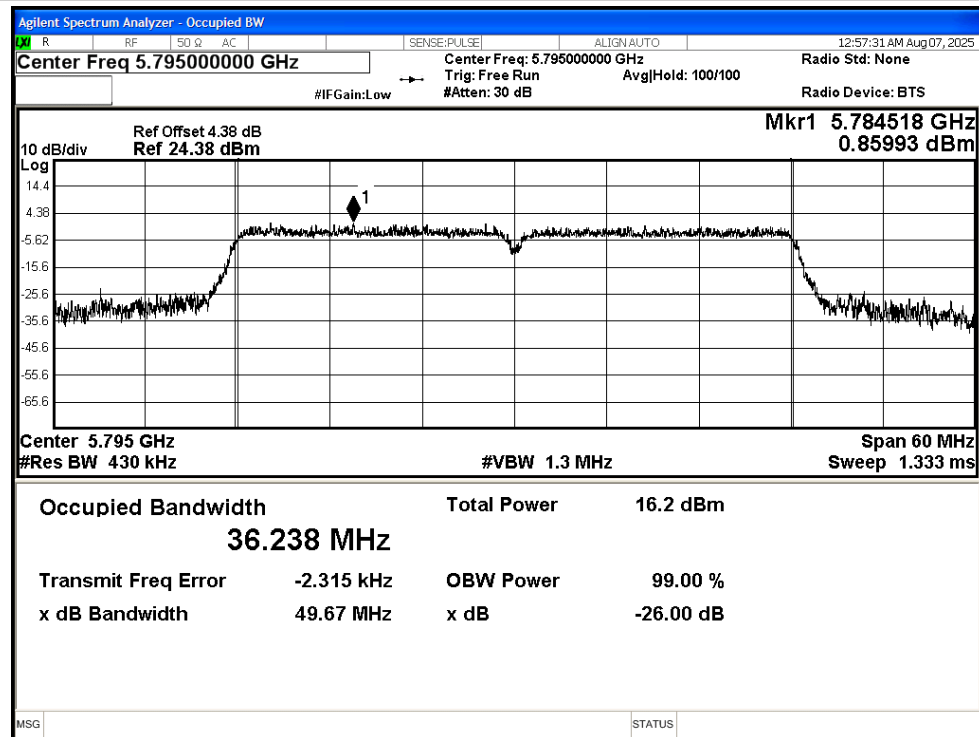
OBW NVNT ac20 5825MHz Ant1



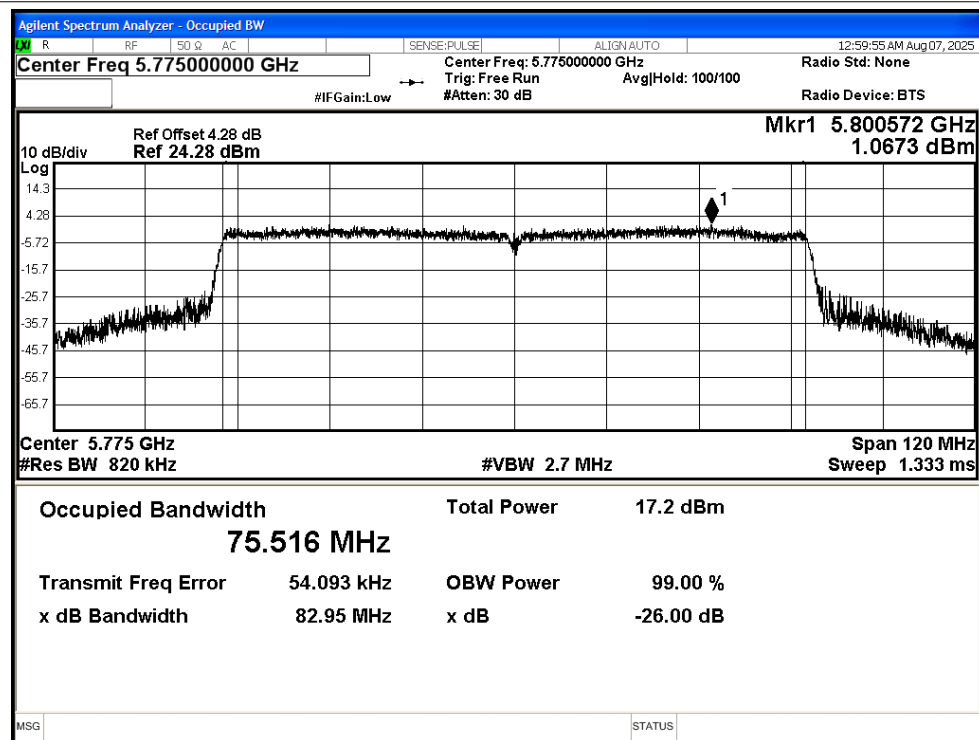
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1

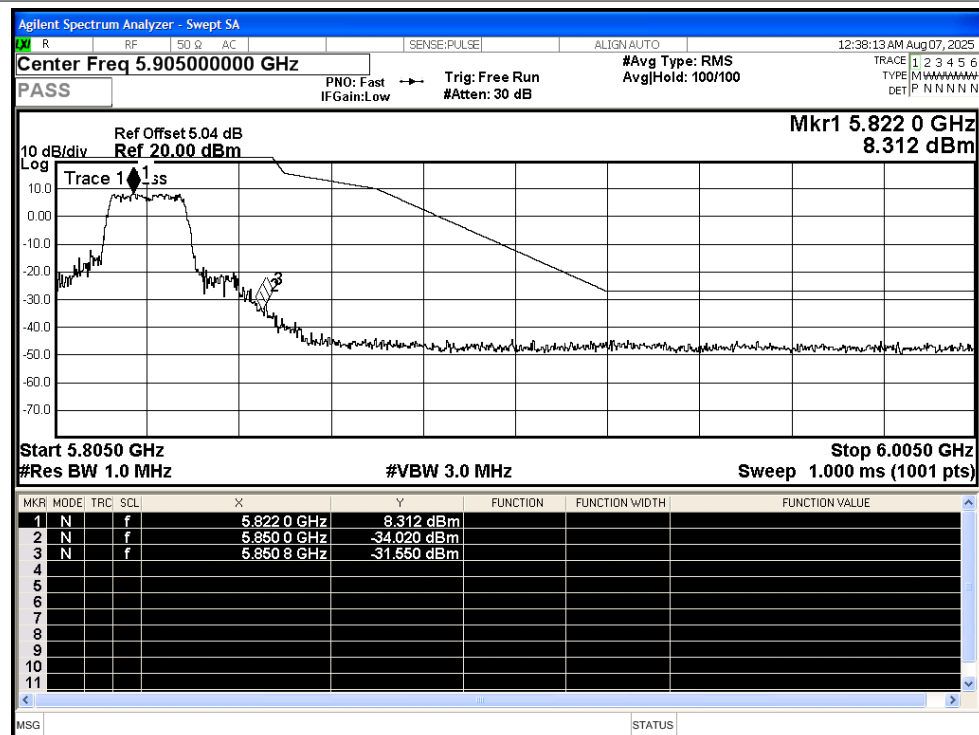


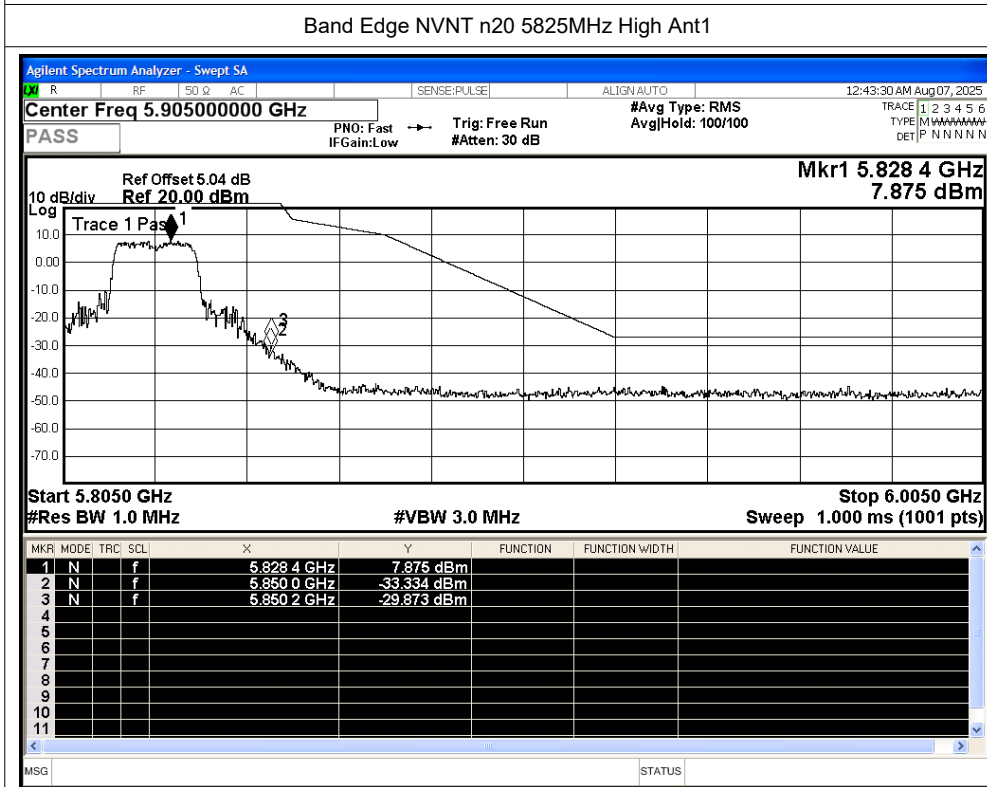
OBW NVNT ac80 5775MHz Ant1

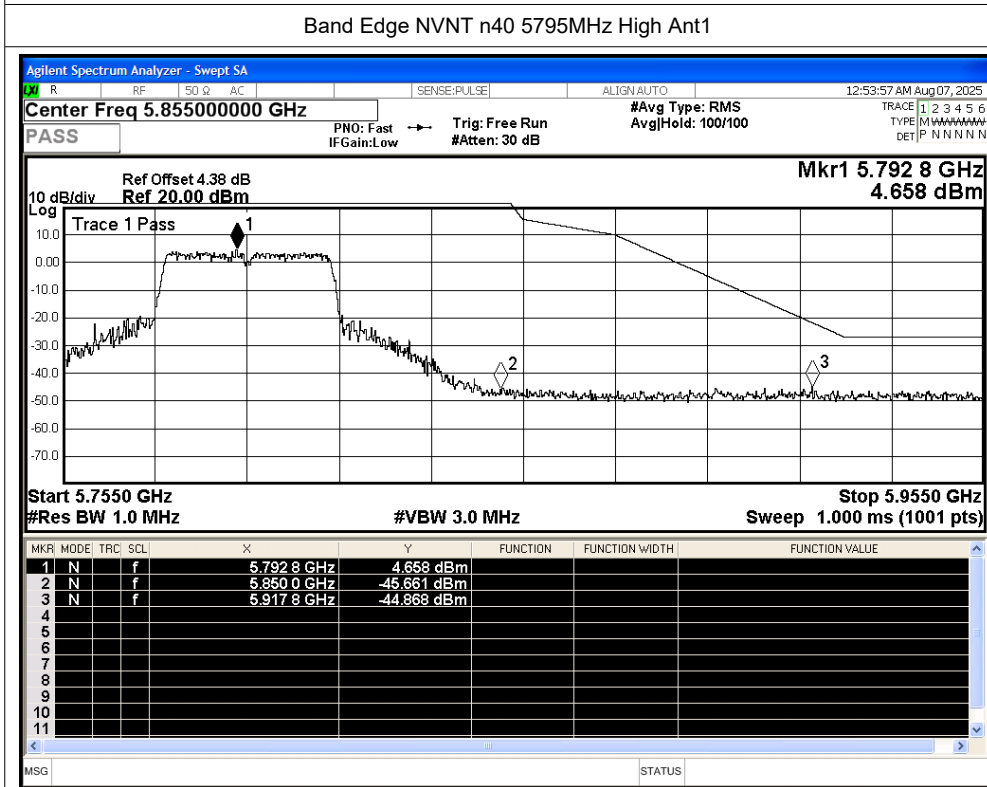


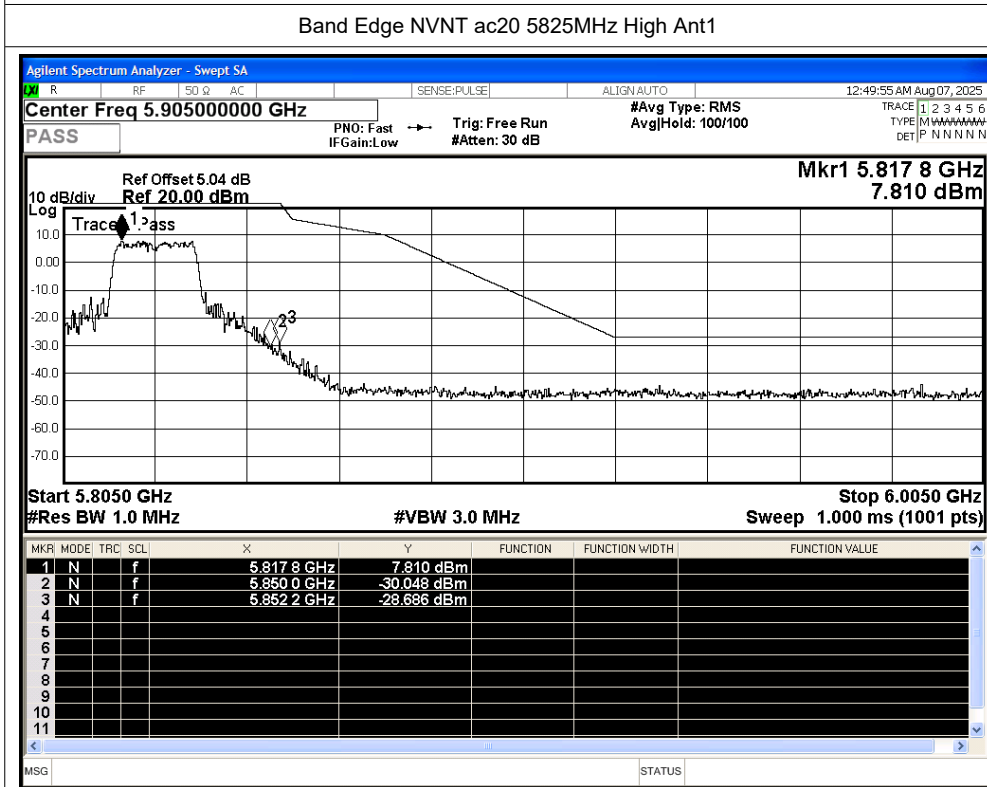
Band Edge

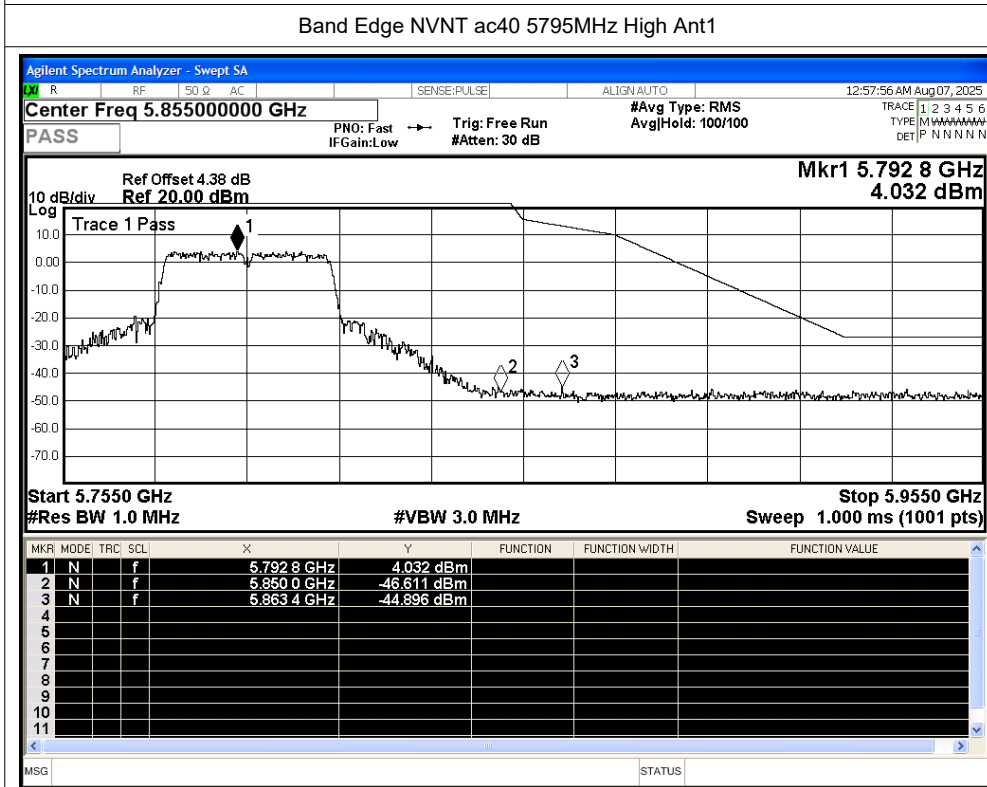
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-25.75		Pass
NVNT	a	5825	Ant1	-31.55		Pass
NVNT	n20	5745	Ant1	-21.9		Pass
NVNT	n20	5825	Ant1	-29.87		Pass
NVNT	n40	5755	Ant1	-22.65		Pass
NVNT	n40	5795	Ant1	-44.87		Pass
NVNT	ac20	5745	Ant1	-24.45		Pass
NVNT	ac20	5825	Ant1	-28.69		Pass
NVNT	ac40	5755	Ant1	-23.71		Pass
NVNT	ac40	5795	Ant1	-44.9		Pass
NVNT	ac80	5775	Ant1	-27.49		Pass
NVNT	ac80	5775	Ant1	-40.61		Pass

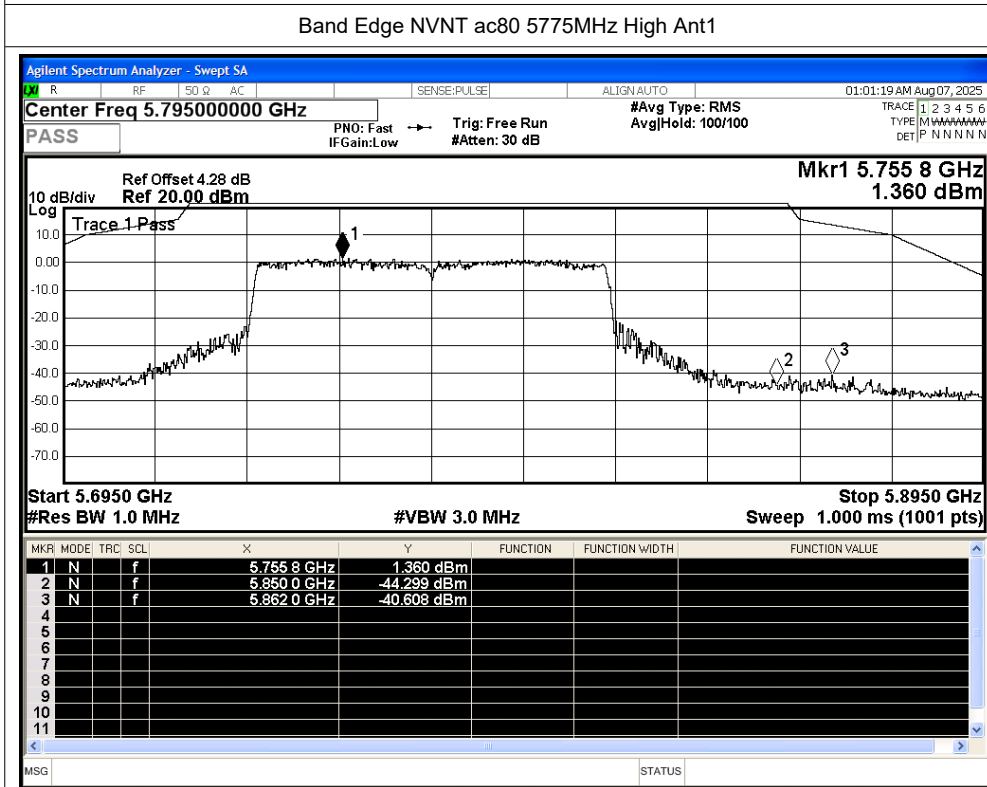








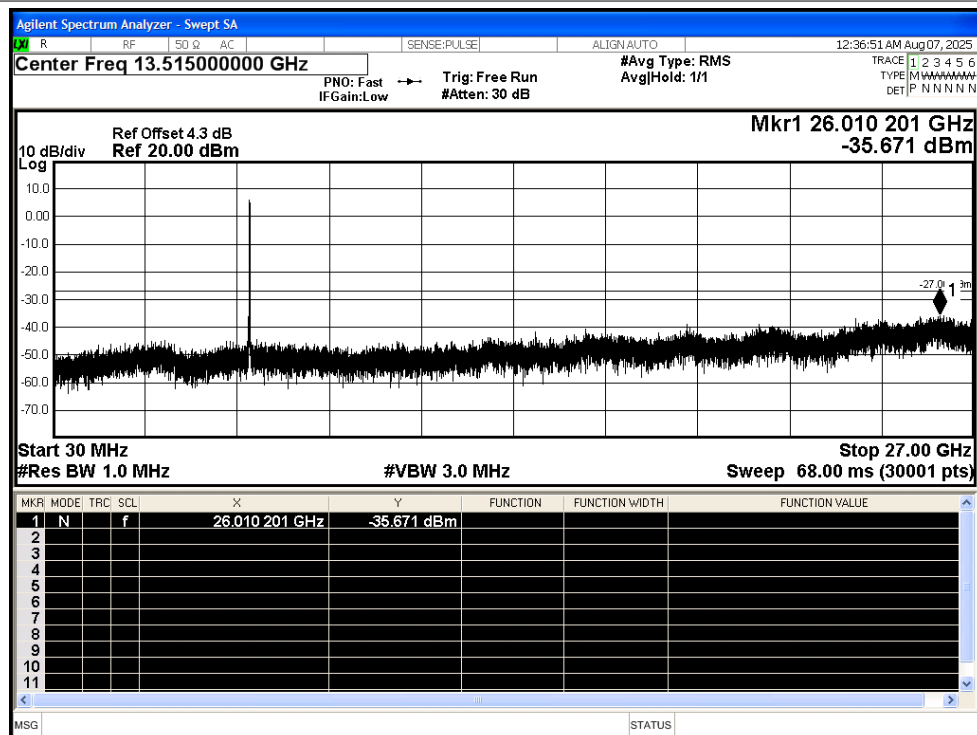
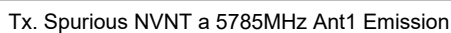


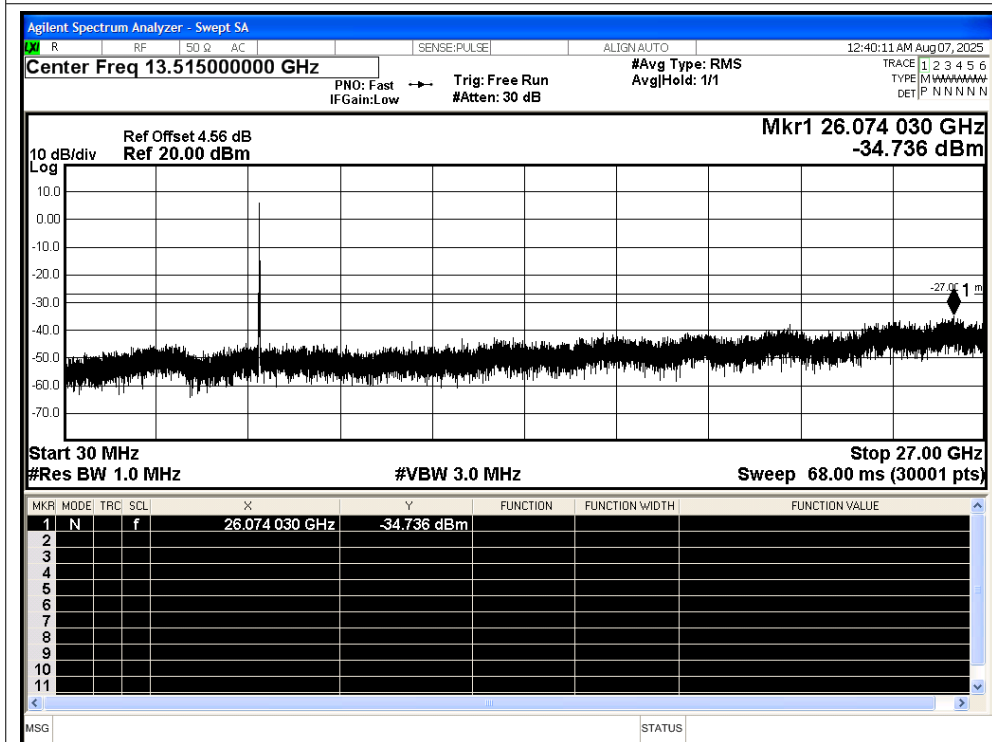


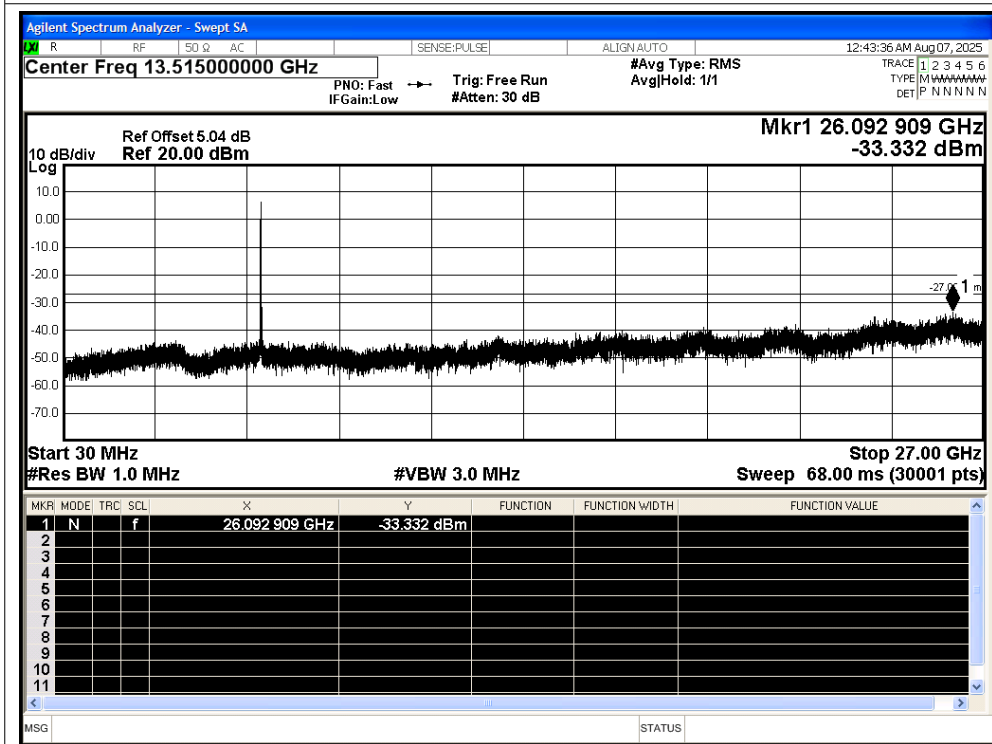
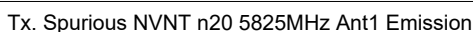
Conducted RF Spurious Emission

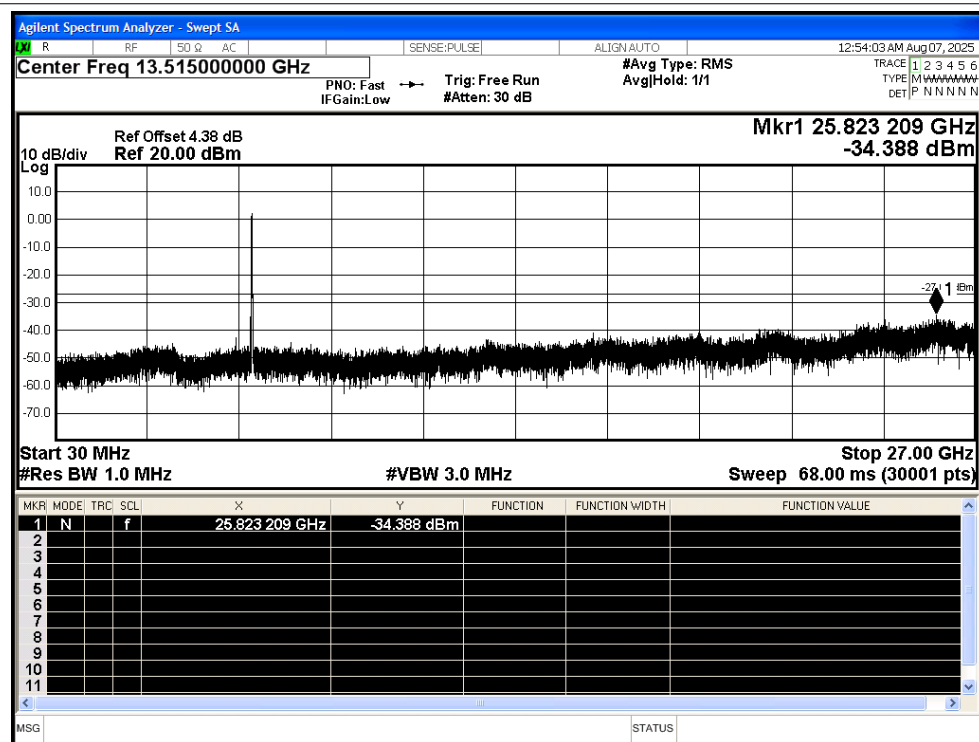
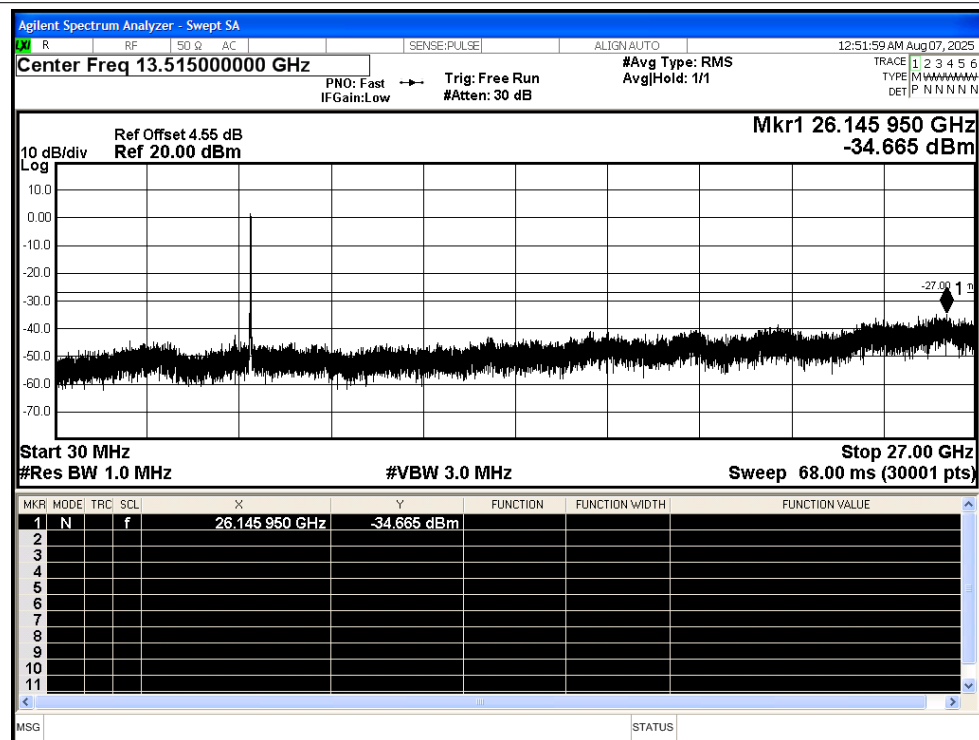
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-34.539	-27	Pass
NVNT	a	5785	Ant1	-35.671	-27	Pass
NVNT	a	5825	Ant1	-34.3	-27	Pass
NVNT	n20	5745	Ant1	-34.736	-27	Pass
NVNT	n20	5785	Ant1	-34.766	-27	Pass
NVNT	n20	5825	Ant1	-33.332	-27	Pass
NVNT	n40	5755	Ant1	-34.665	-27	Pass
NVNT	n40	5795	Ant1	-34.388	-27	Pass
NVNT	ac20	5745	Ant1	-33.878	-27	Pass
NVNT	ac20	5785	Ant1	-35.249	-27	Pass
NVNT	ac20	5825	Ant1	-34.421	-27	Pass
NVNT	ac40	5755	Ant1	-34.377	-27	Pass
NVNT	ac40	5795	Ant1	-34.685	-27	Pass
NVNT	ac80	5775	Ant1	-35.073	-27	Pass

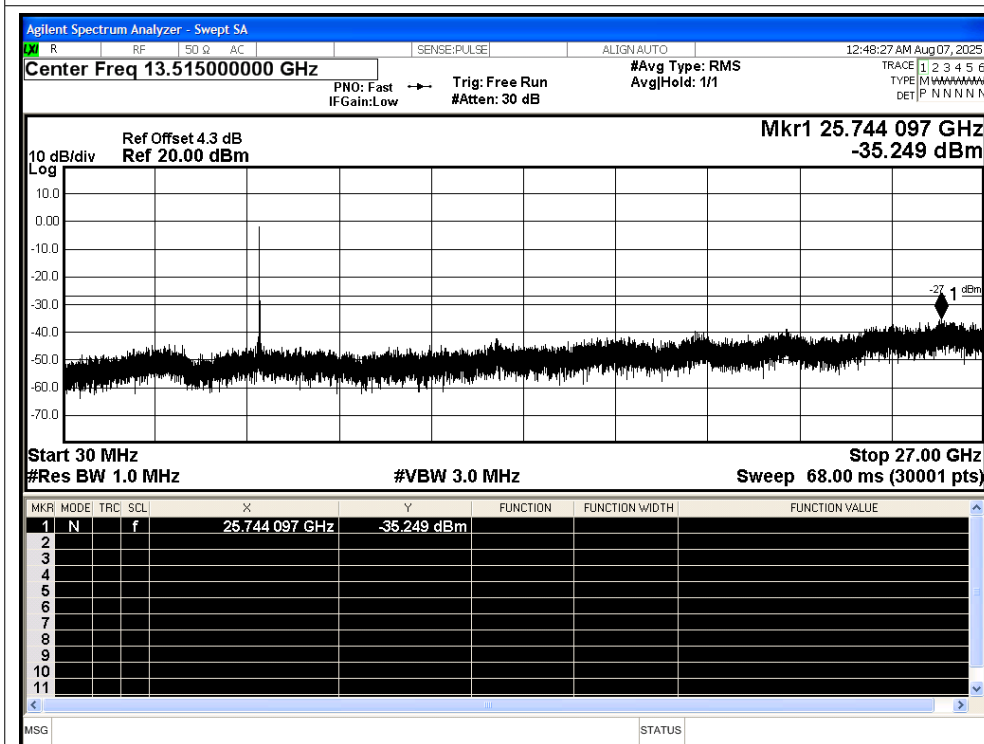
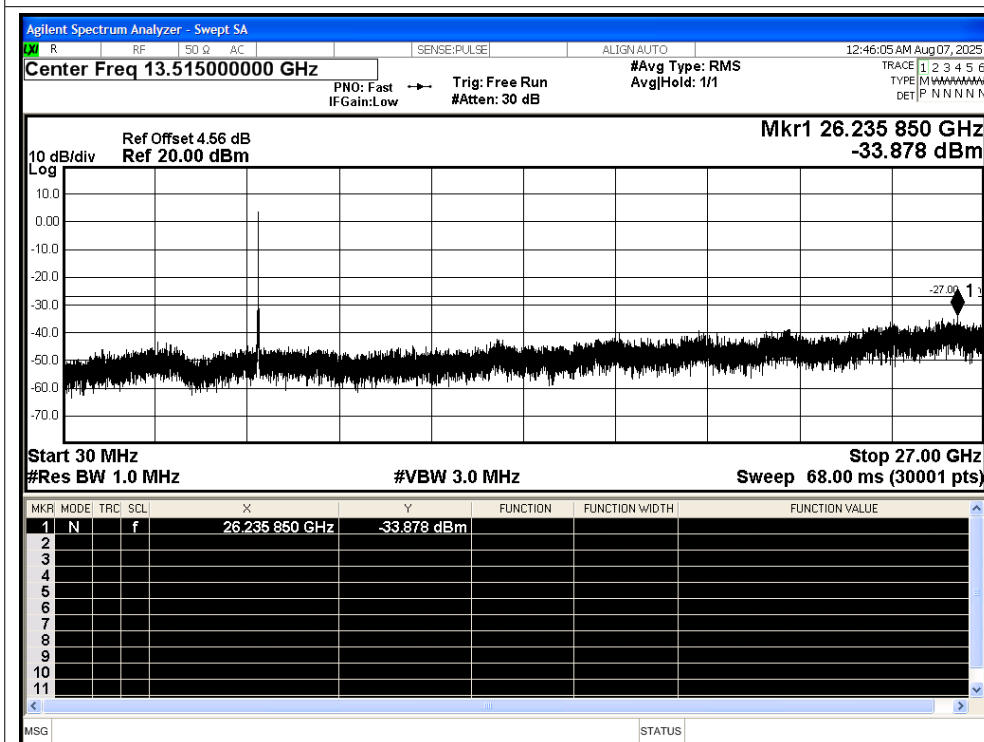
Tx. Spurious NVNT a 5745MHz Ant1 Emission

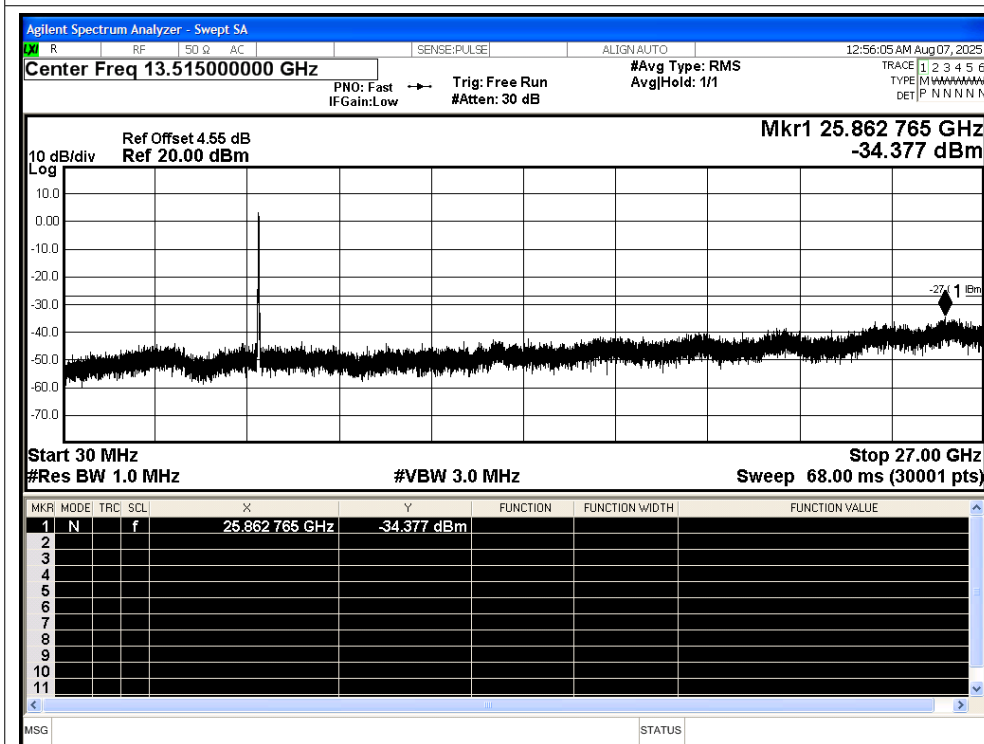
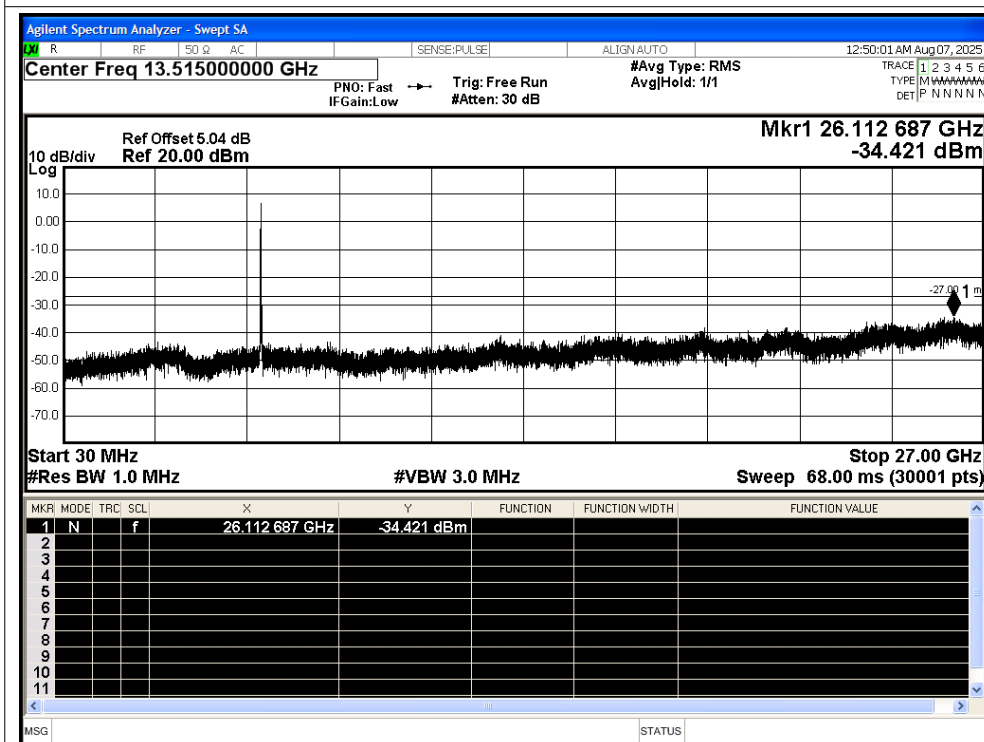


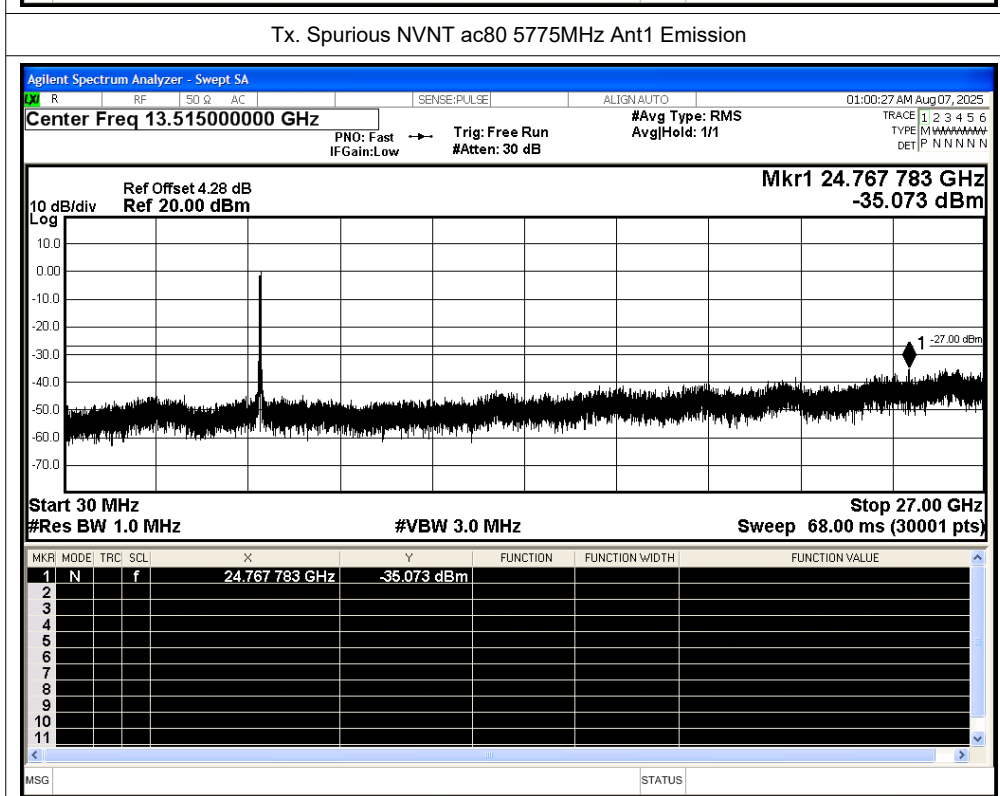
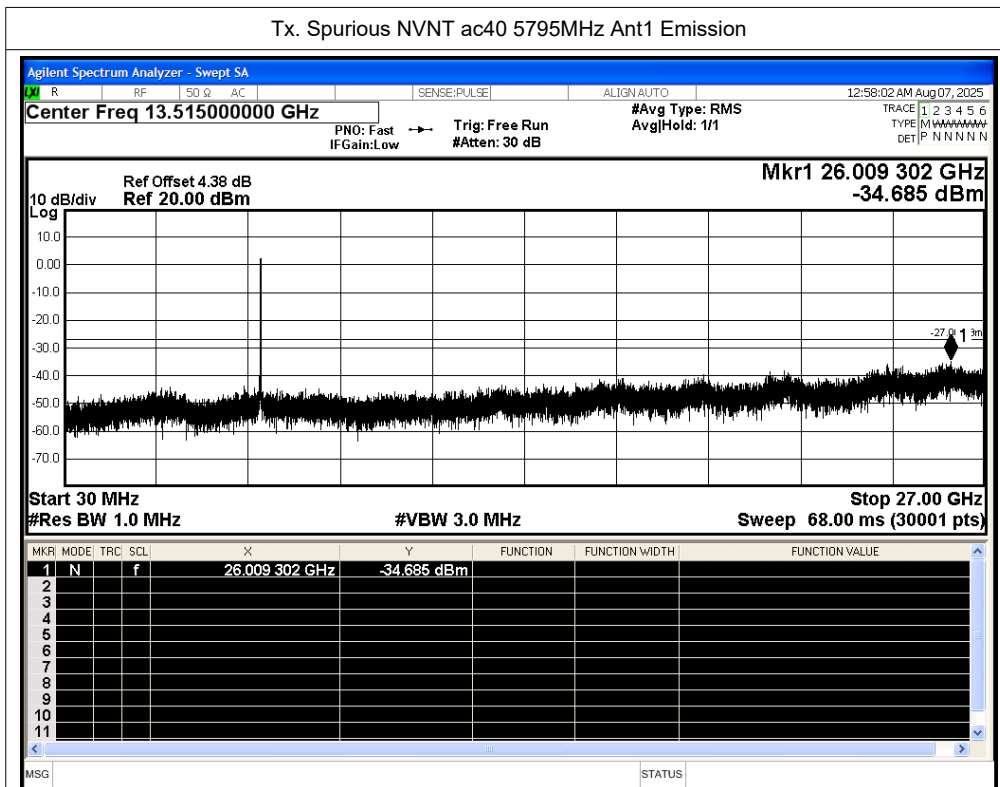










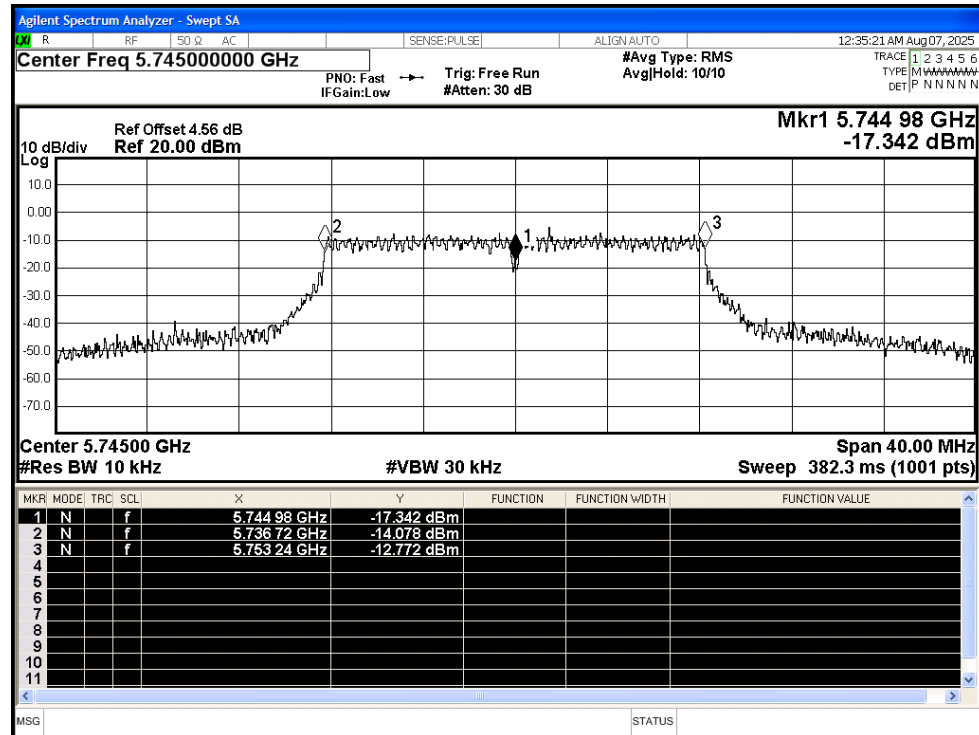


Frequency Stability

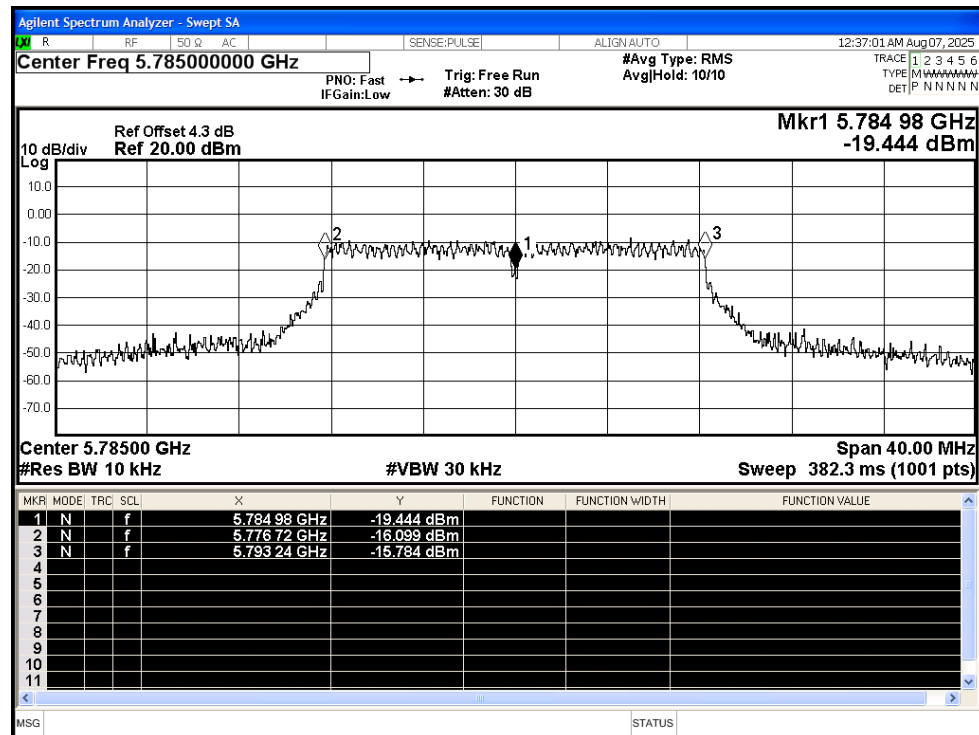
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
NVNT	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
NVNT	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
NVNT	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
NVNT	n20	5785	Ant1	5784.98	-20000	-3.46	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	5785	0	0	25	Pass
NVNT	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
NVNT	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
NVNT	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
NVNT	ac80	5775	Ant1	5775	0	0	25	Pass

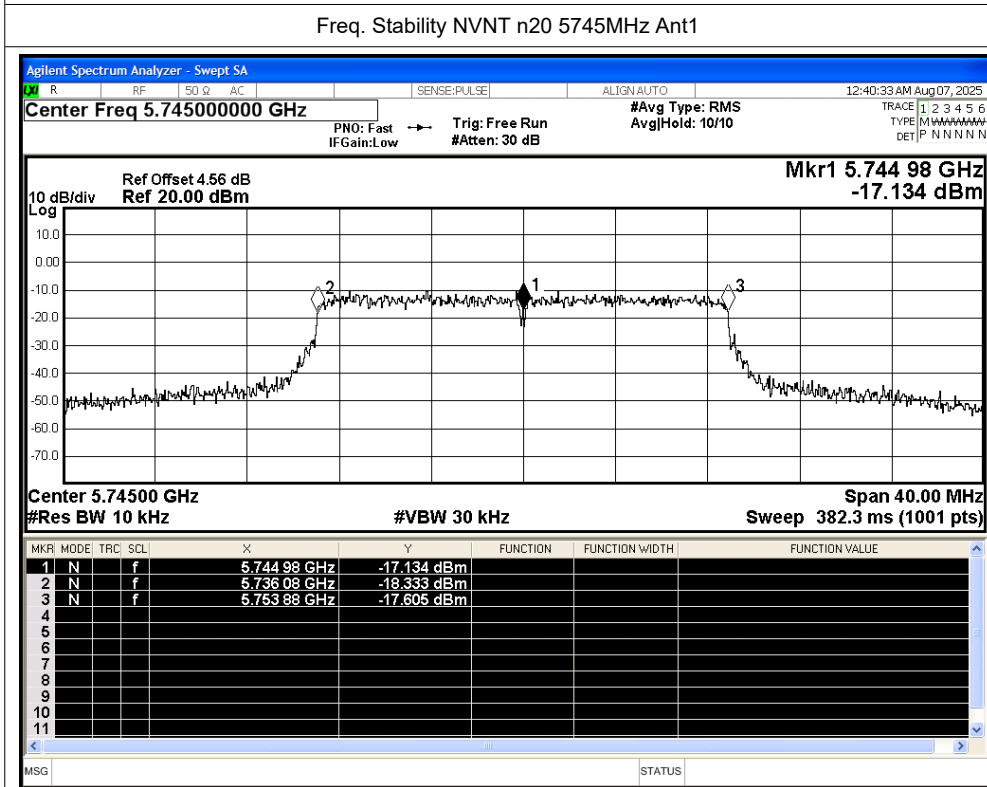
Test Graphs

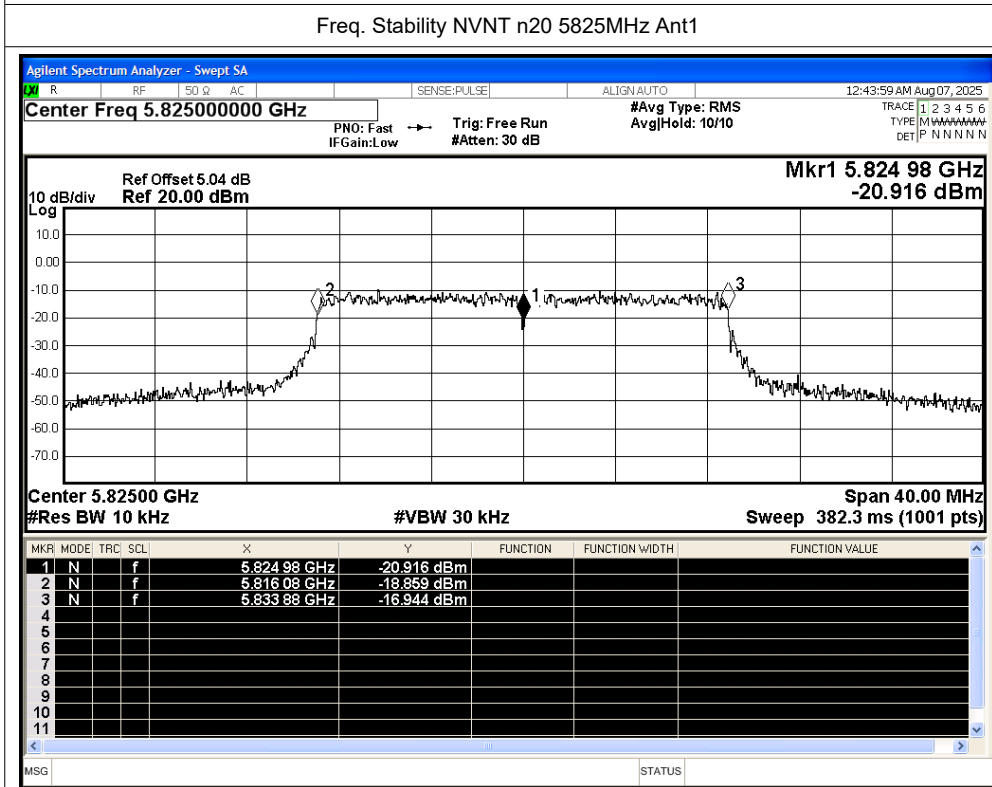
Freq. Stability NVNT a 5745MHz Ant1

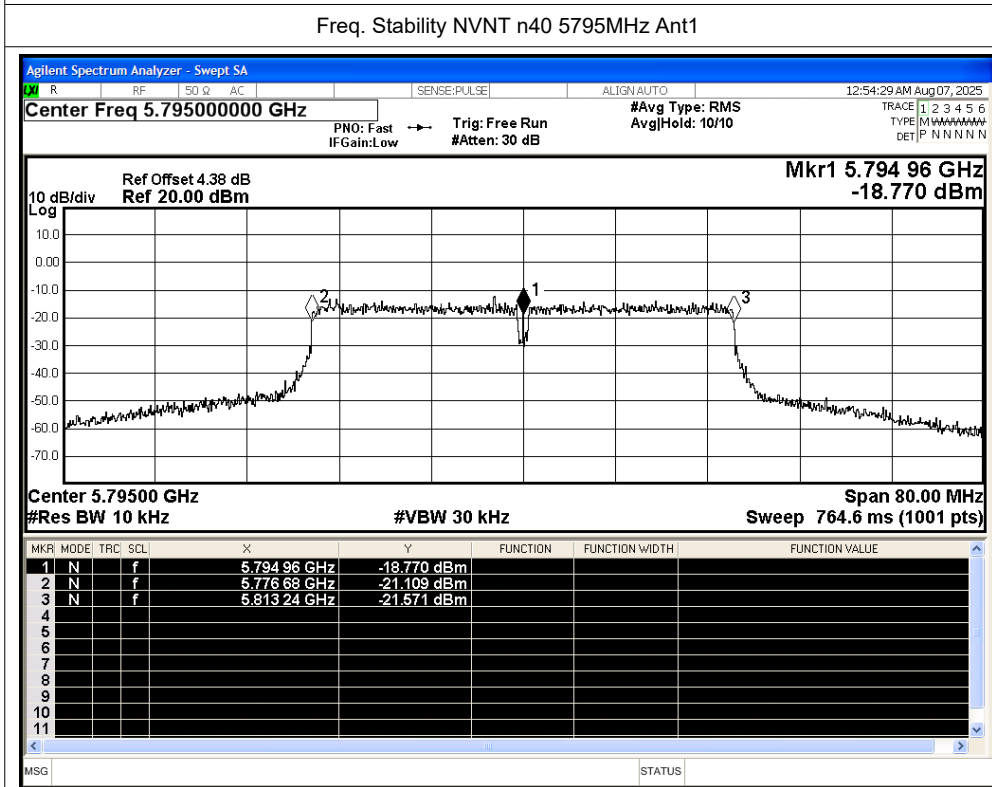


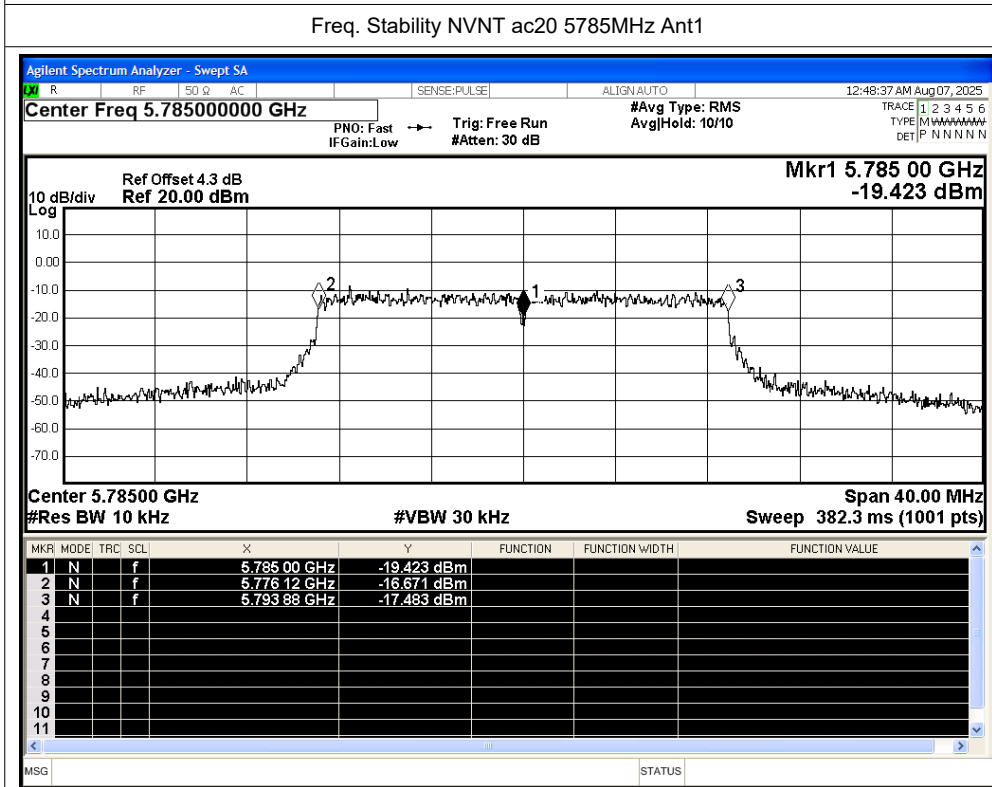
Freq. Stability NVNT a 5785MHz Ant1

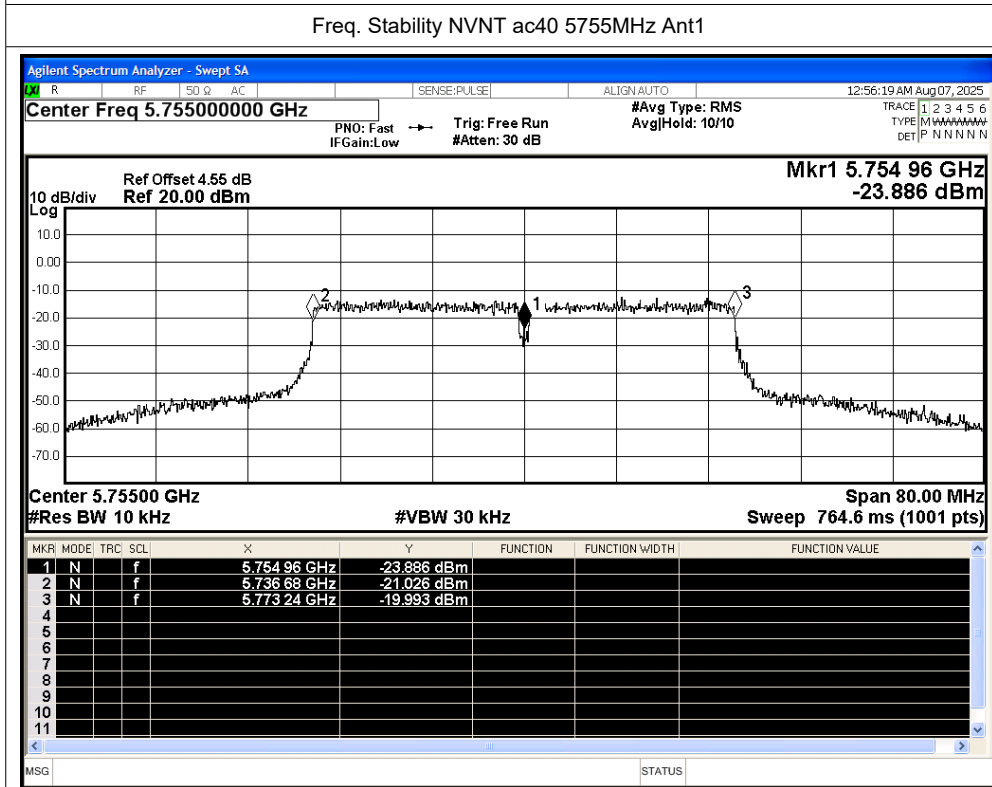




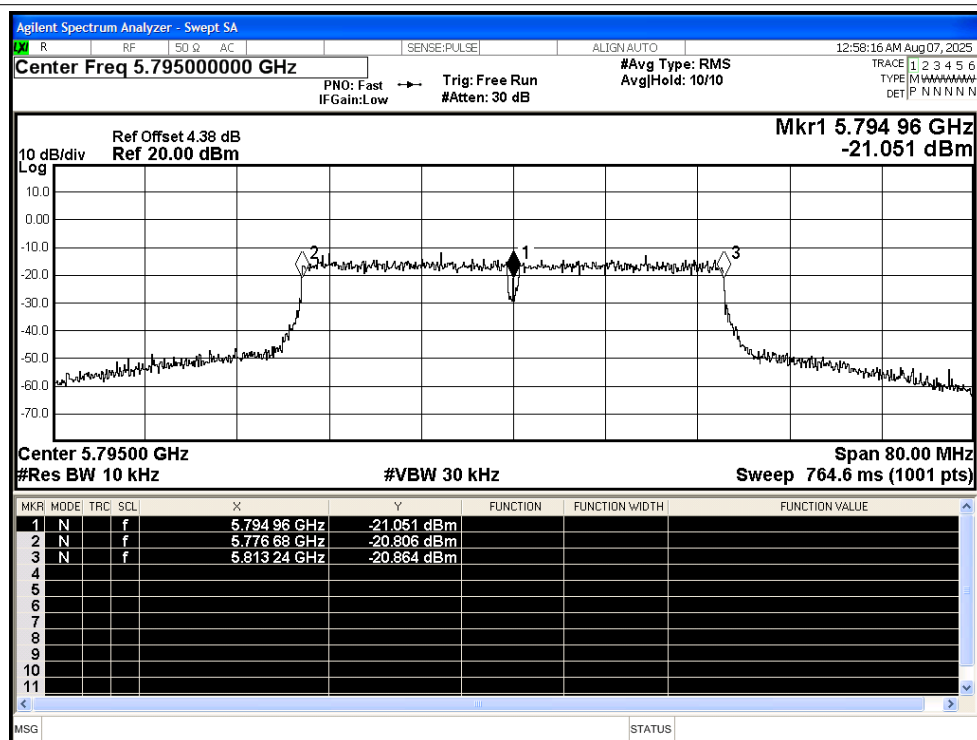




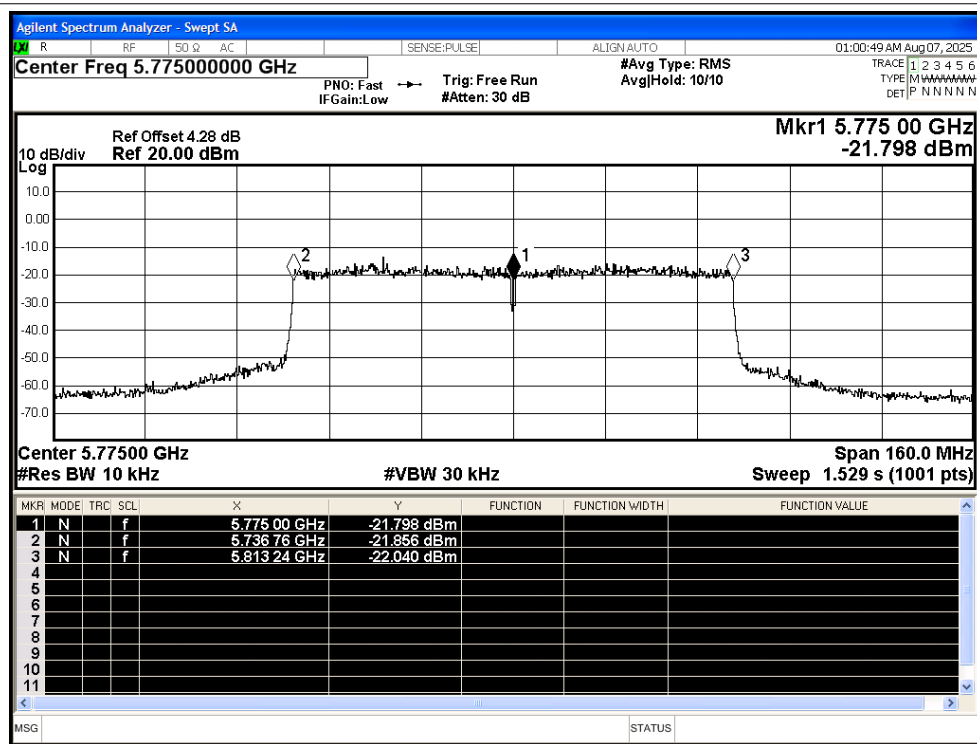




Freq. Stability NVNT ac40 5795MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1



***** End of Report *****