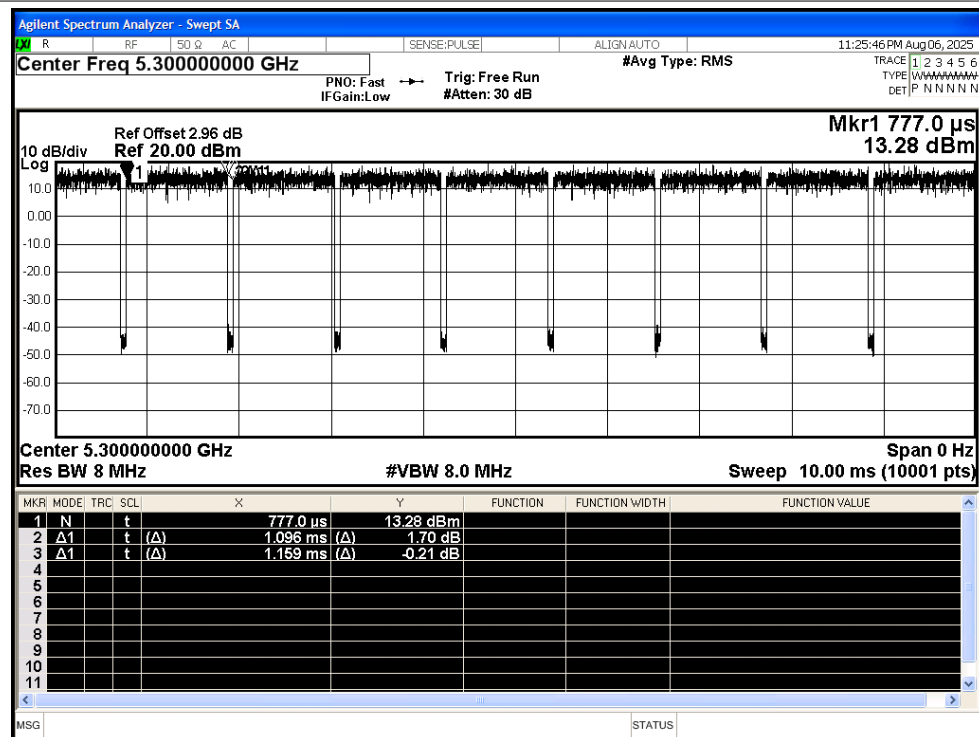


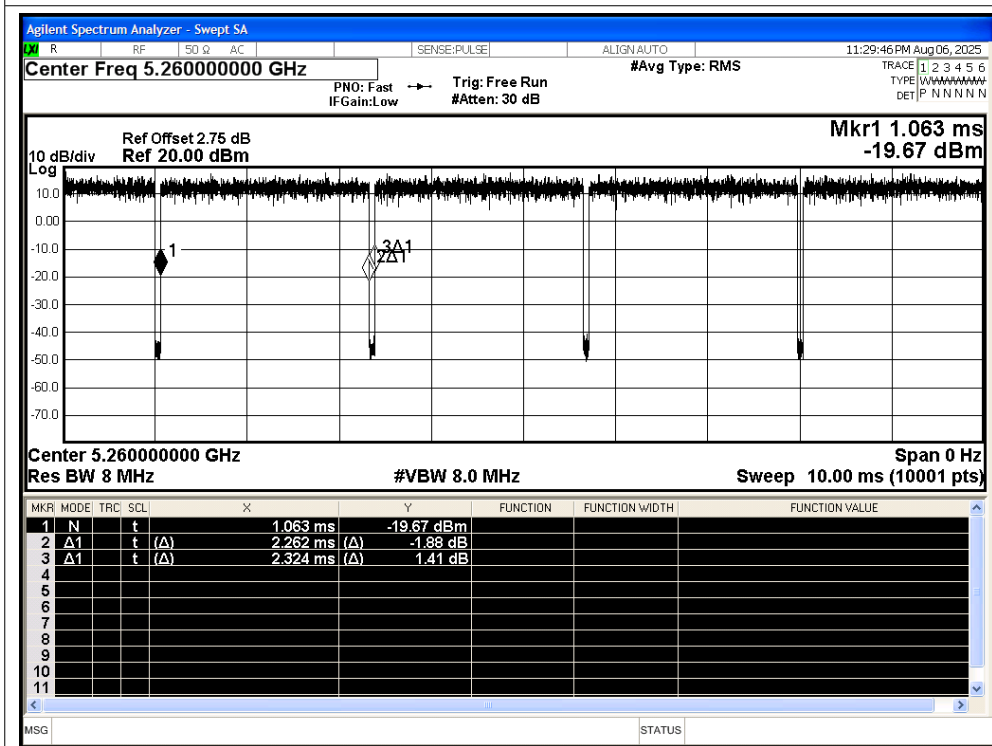
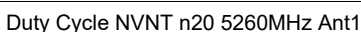
Appendix RF test data for WIFI5G-UNII band 2A

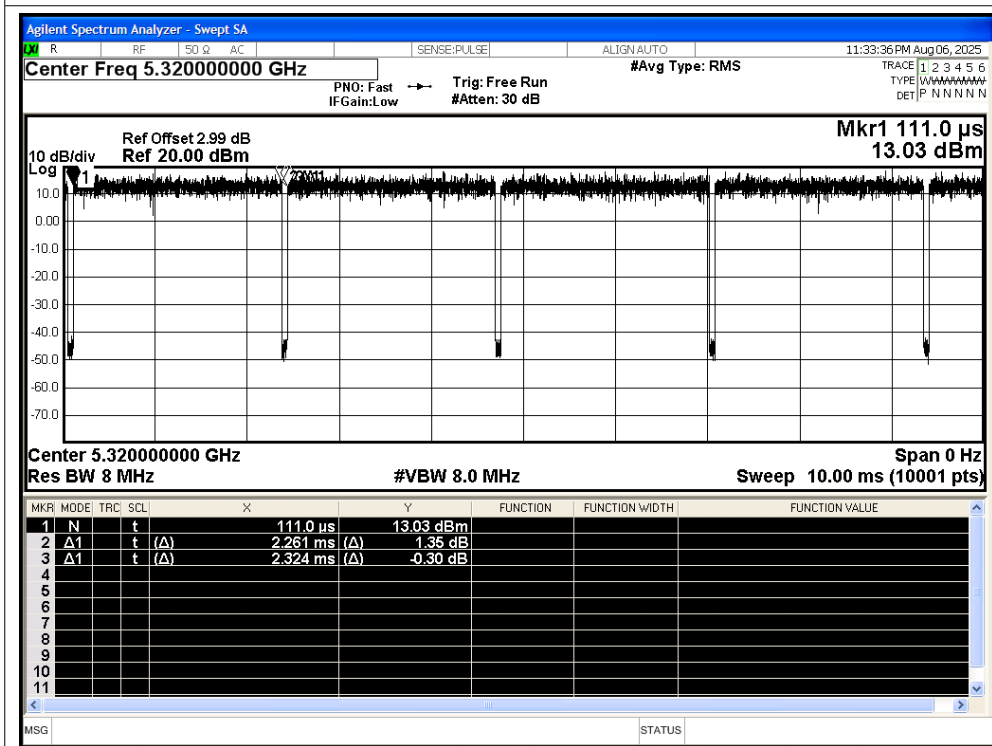
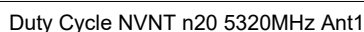
Duty Cycle

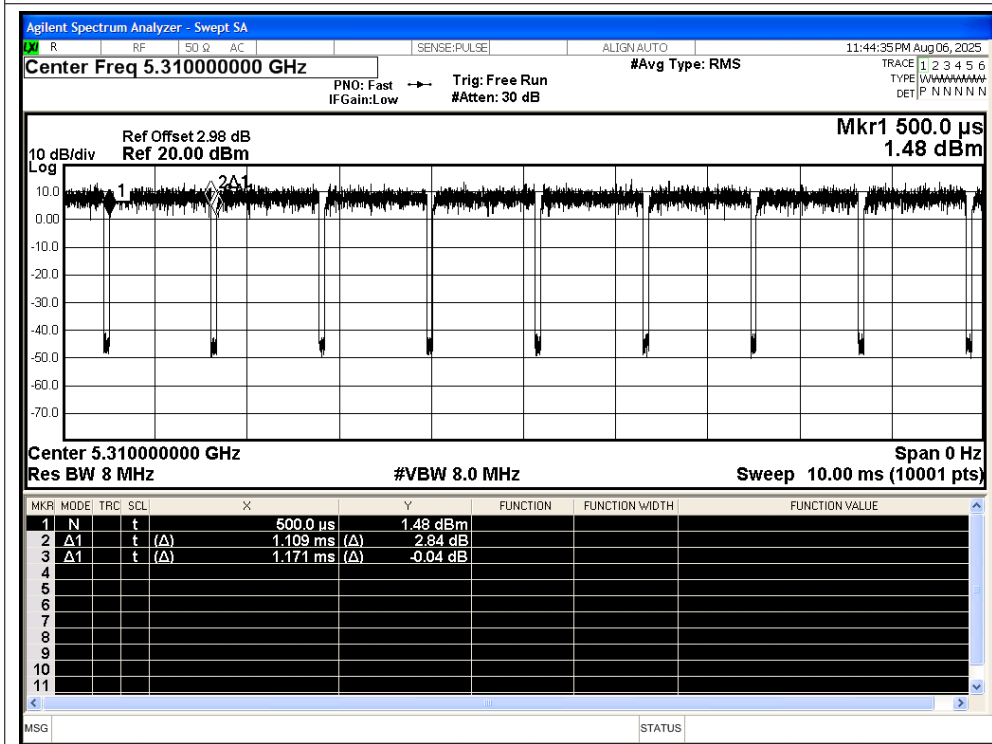
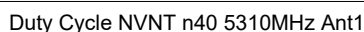
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	94.65	0.24	0.91
NVNT	a	5300	Ant1	94.56	0.24	0.91
NVNT	a	5320	Ant1	94.65	0.24	0.91
NVNT	n20	5260	Ant1	97.33	0.12	0.44
NVNT	n20	5300	Ant1	97.29	0.12	0.44
NVNT	n20	5320	Ant1	97.29	0.12	0.44
NVNT	n40	5270	Ant1	94.79	0.23	0.9
NVNT	n40	5310	Ant1	94.71	0.24	0.9
NVNT	ac20	5260	Ant1	97.3	0.12	0.44
NVNT	ac20	5300	Ant1	97.34	0.12	0.44
NVNT	ac20	5320	Ant1	97.34	0.12	0.44
NVNT	ac40	5270	Ant1	94.72	0.24	0.9
NVNT	ac40	5310	Ant1	94.81	0.23	0.9
NVNT	ac80	5290	Ant1	89.65	0.47	1.86

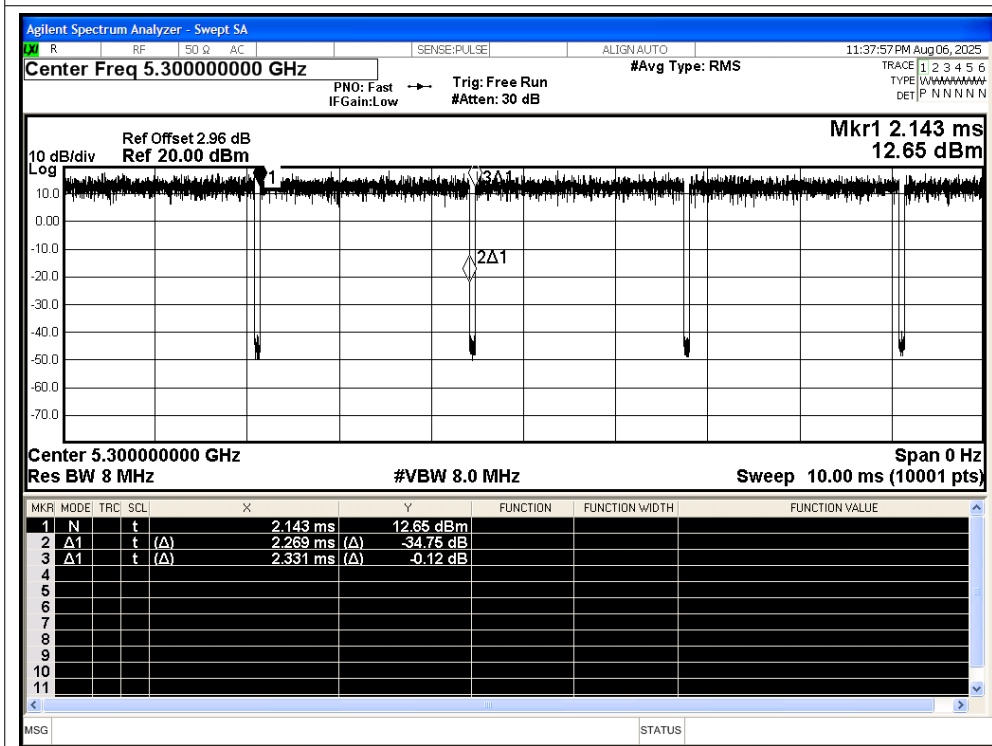
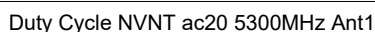
Duty Cycle NVNT a 5260MHz Ant1

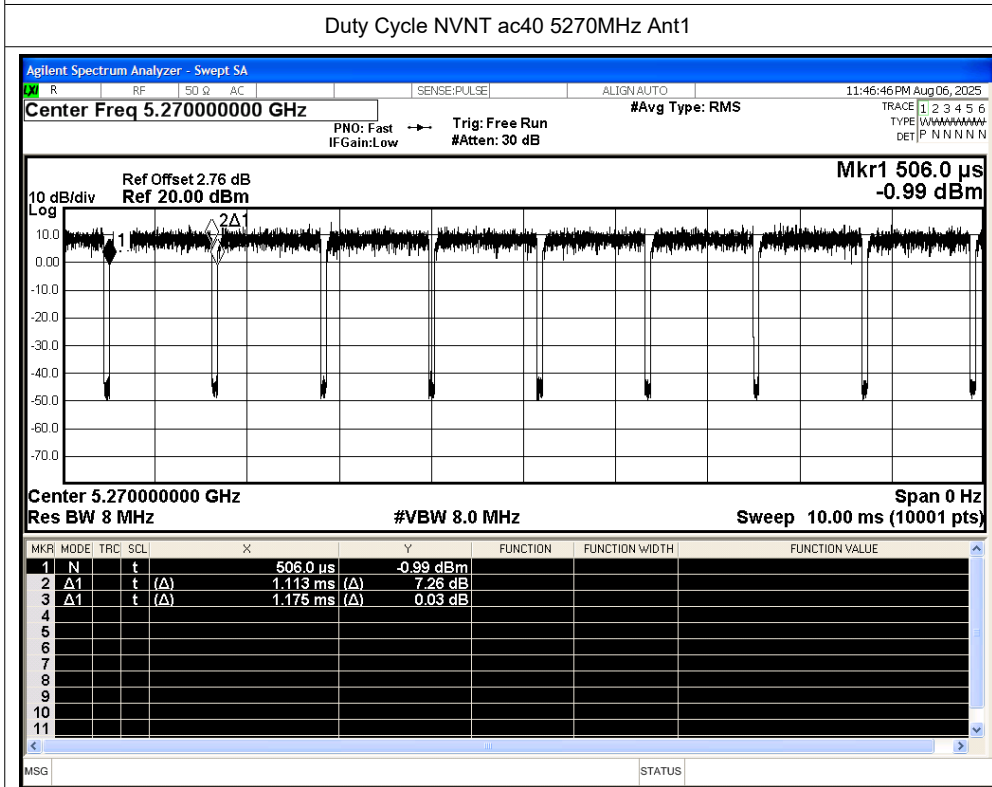


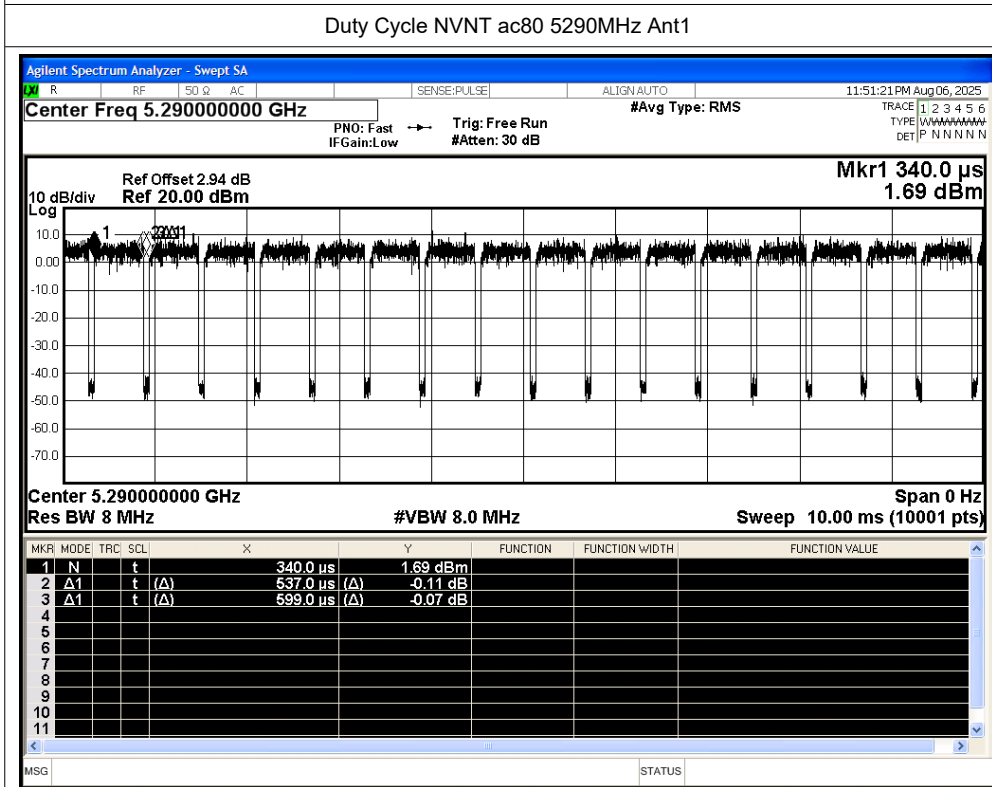










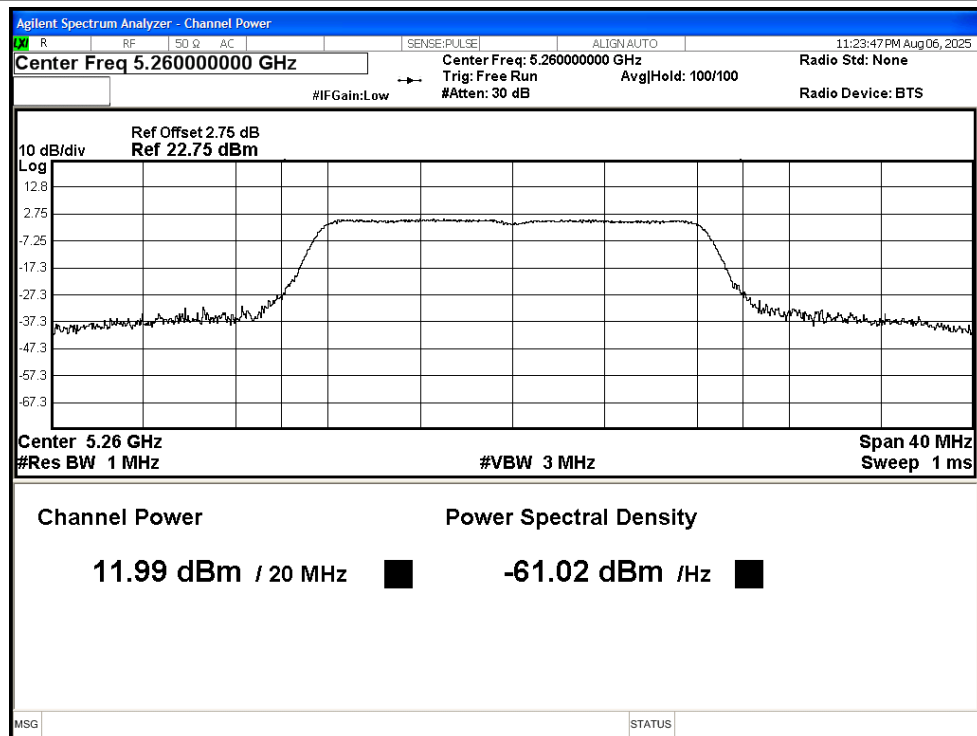


Maximum Conducted Output Power

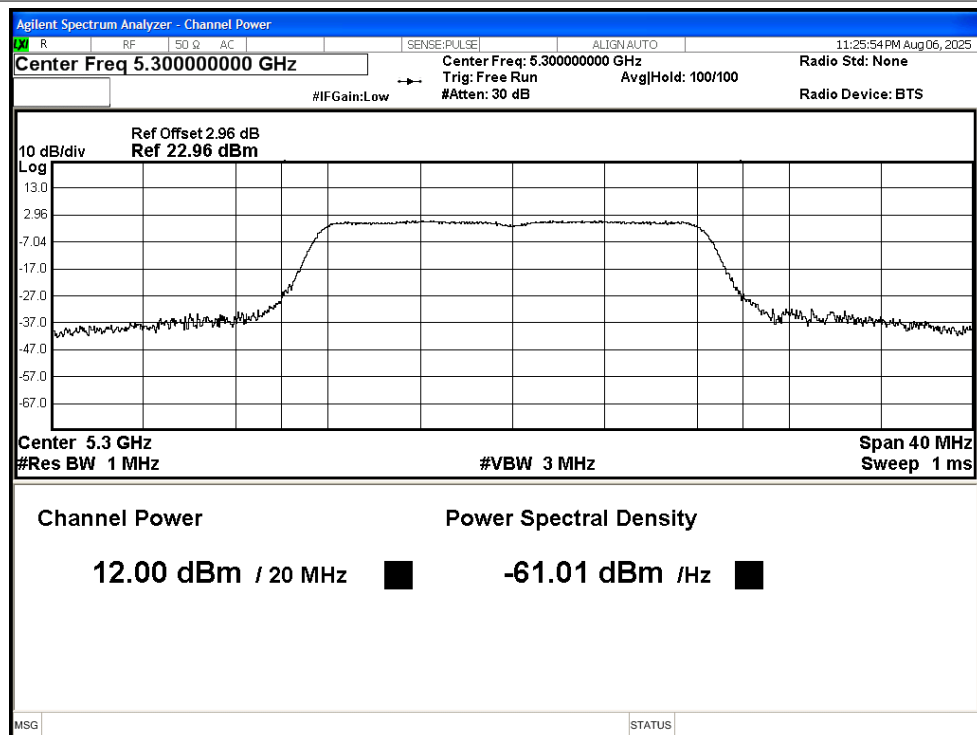
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	11.99	0.24	12.23	24	Pass
NVNT	a	5300	Ant1	12	0.24	12.24	24	Pass
NVNT	a	5320	Ant1	12.03	0.24	12.27	24	Pass
NVNT	n20	5260	Ant1	11.41	0.12	11.53	24	Pass
NVNT	n20	5300	Ant1	11.39	0.12	11.51	24	Pass
NVNT	n20	5320	Ant1	11.69	0.12	11.81	24	Pass
NVNT	n40	5270	Ant1	10.62	0.23	10.85	24	Pass
NVNT	n40	5310	Ant1	10.5	0.24	10.74	24	Pass
NVNT	ac20	5260	Ant1	11.23	0.12	11.35	24	Pass
NVNT	ac20	5300	Ant1	11.39	0.12	11.51	24	Pass
NVNT	ac20	5320	Ant1	11.68	0.12	11.8	24	Pass
NVNT	ac40	5270	Ant1	10.62	0.24	10.86	24	Pass
NVNT	ac40	5310	Ant1	11.4	0.23	11.63	24	Pass
NVNT	ac80	5290	Ant1	10.09	0.47	10.56	24	Pass

Test Graphs

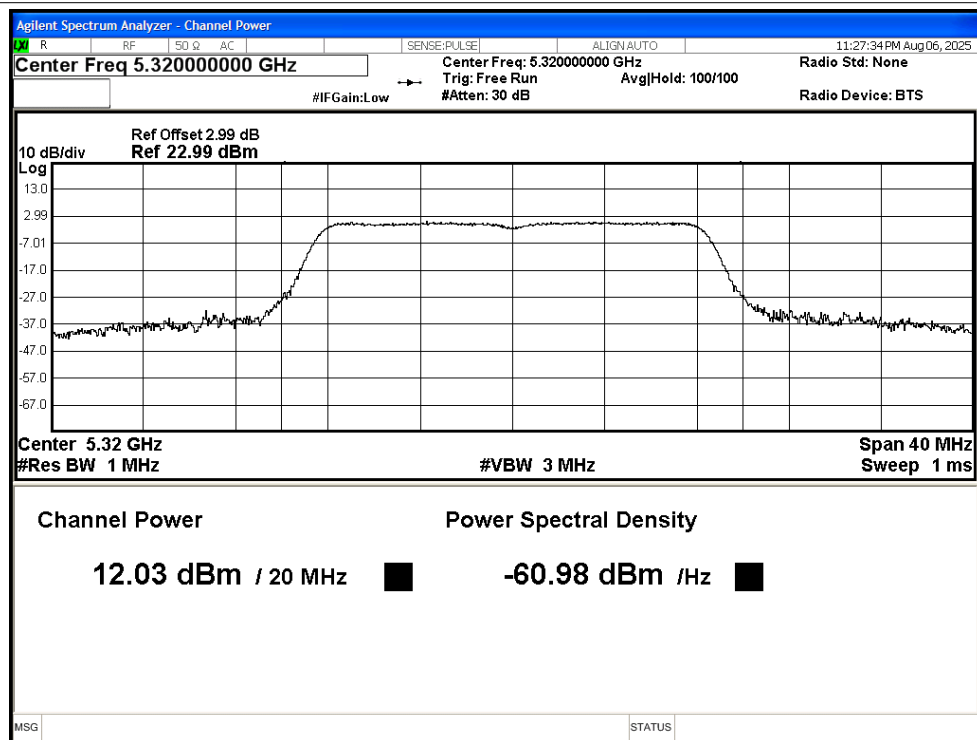
Power NVNT a 5260MHz Ant1



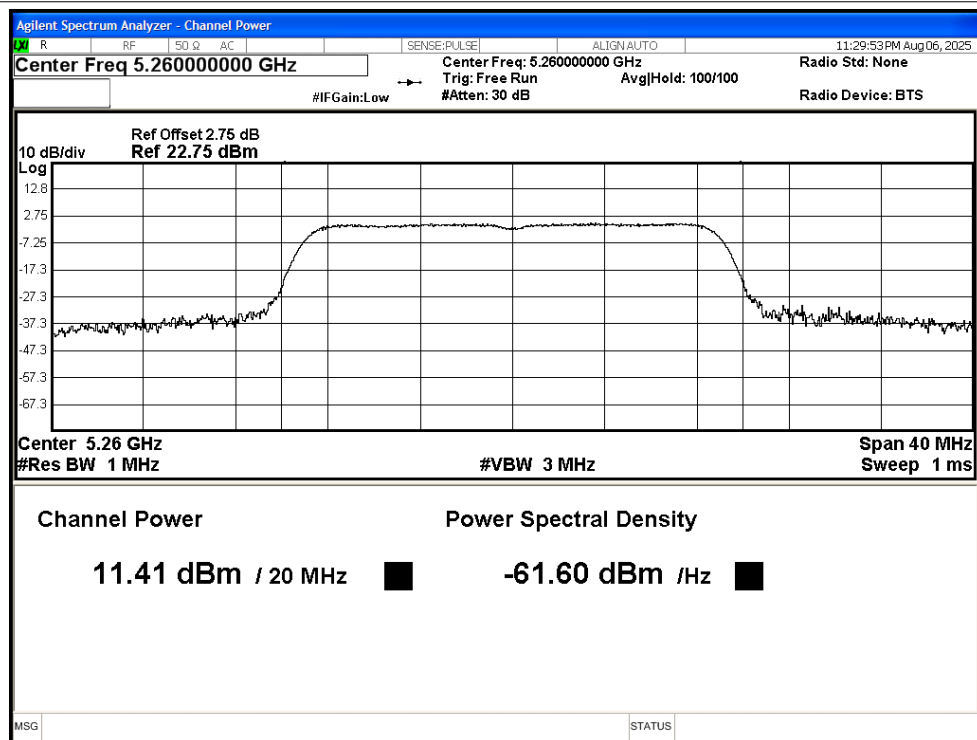
Power NVNT a 5300MHz Ant1



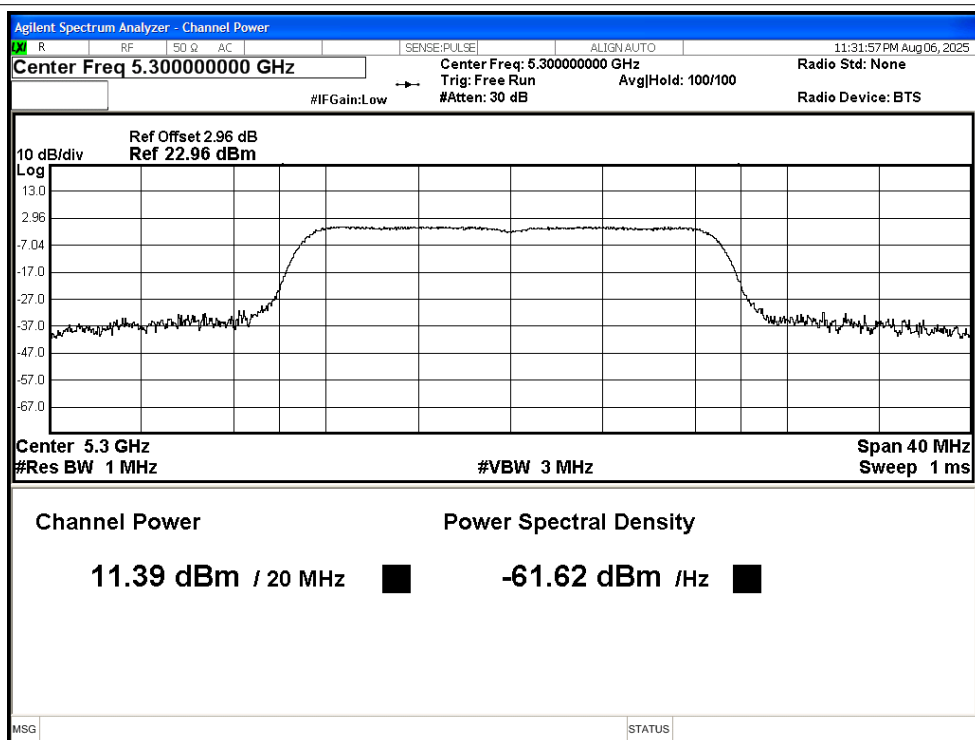
Power NVNT a 5320MHz Ant1



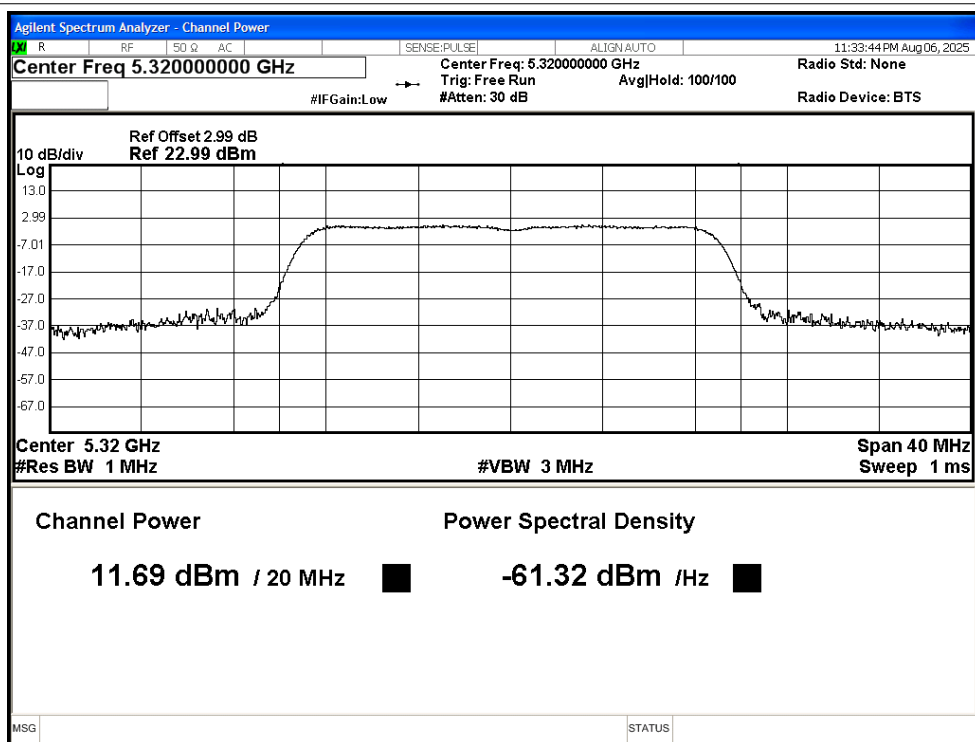
Power NVNT n20 5260MHz Ant1



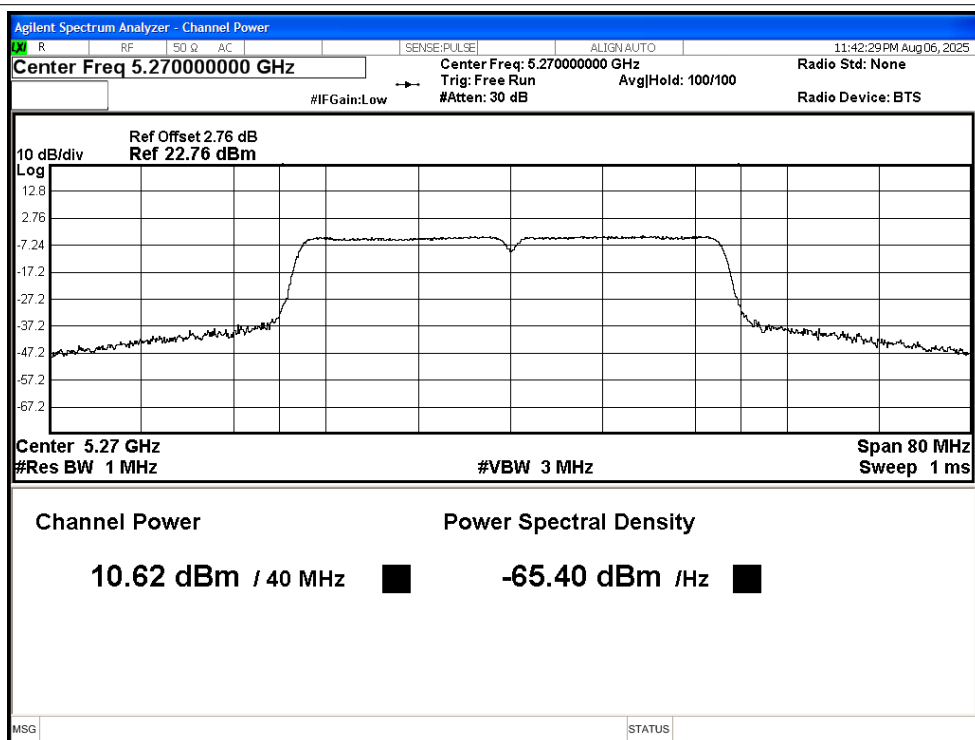
Power NVNT n20 5300MHz Ant1



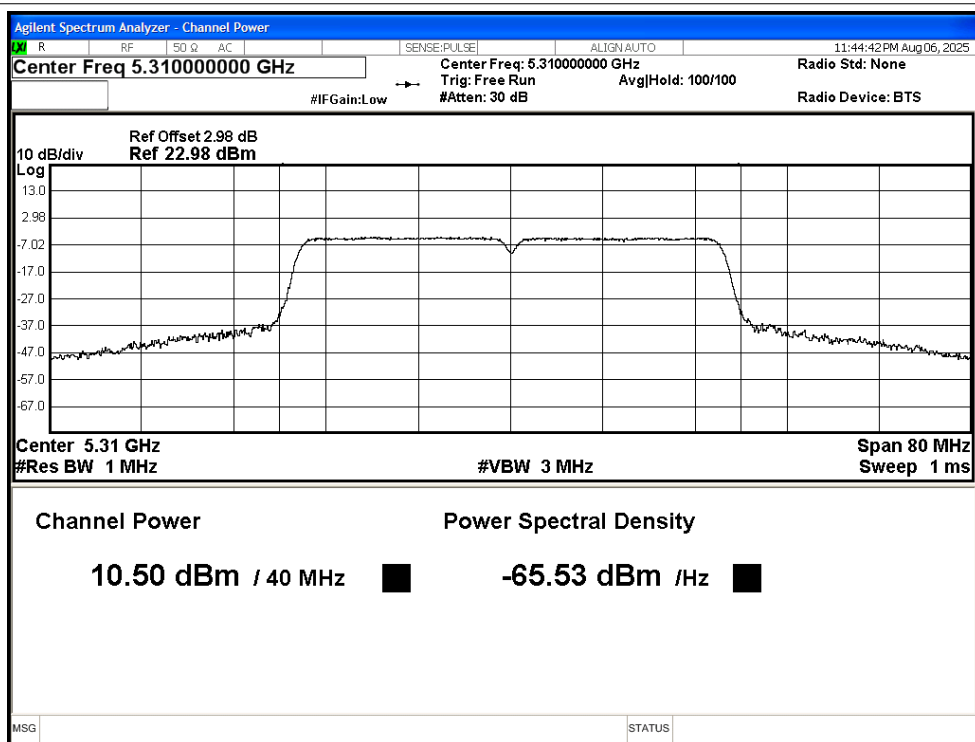
Power NVNT n20 5320MHz Ant1



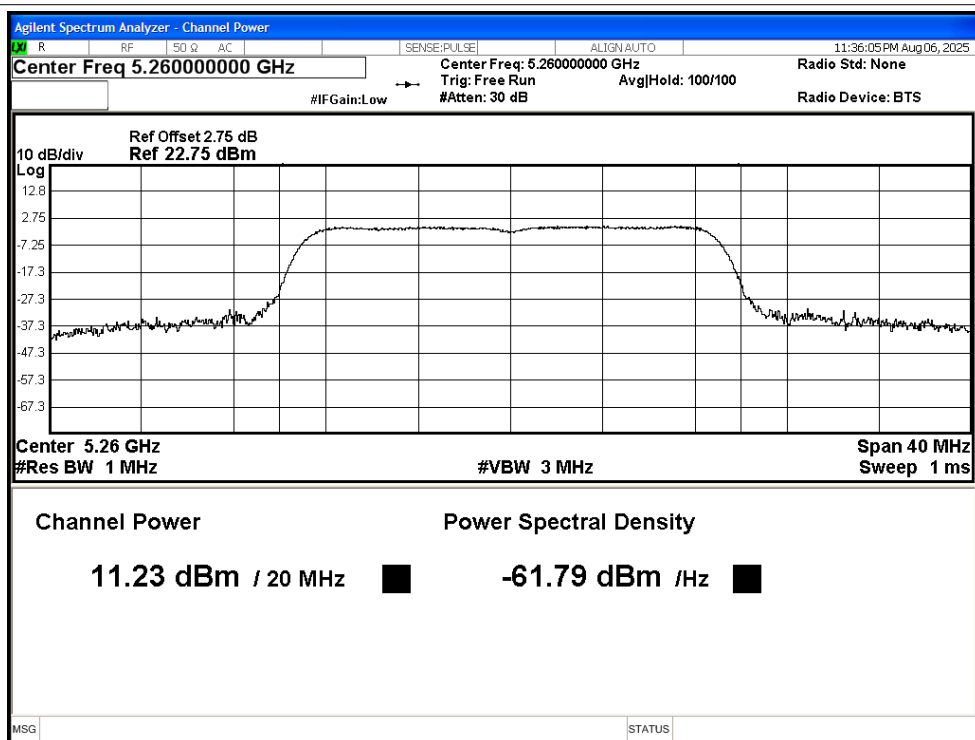
Power NVNT n40 5270MHz Ant1



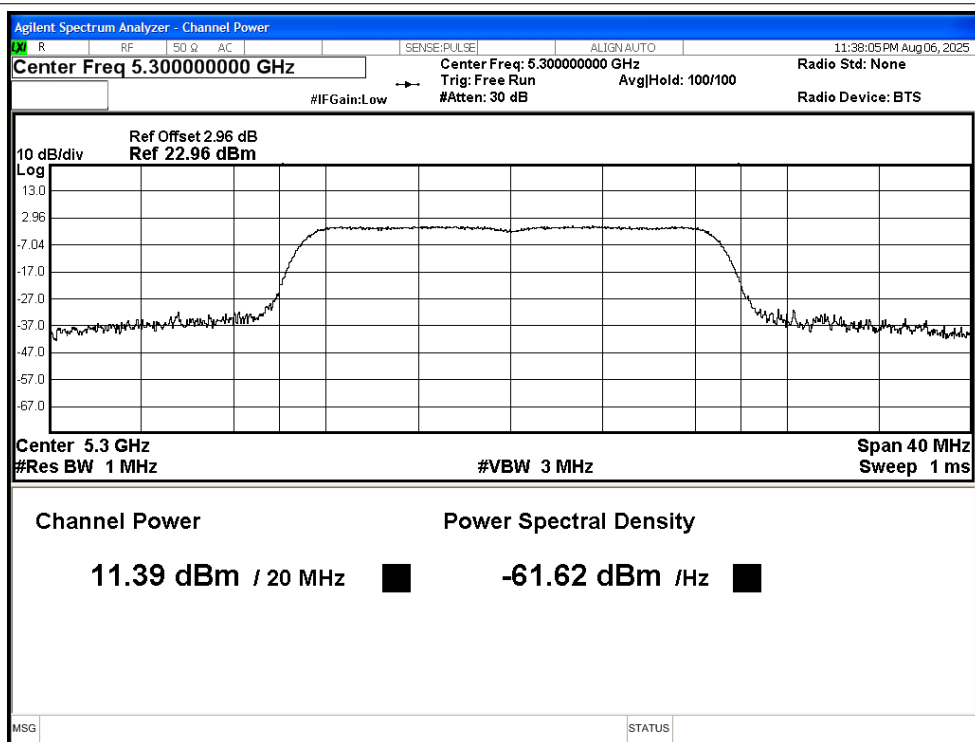
Power NVNT n40 5310MHz Ant1



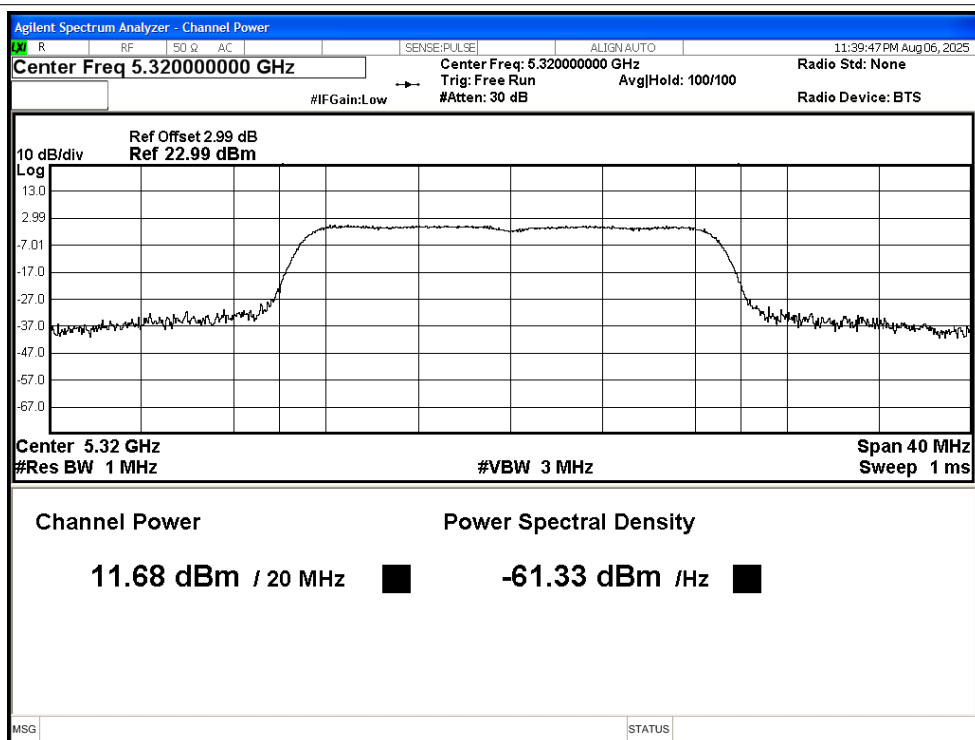
Power NVNT ac20 5260MHz Ant1



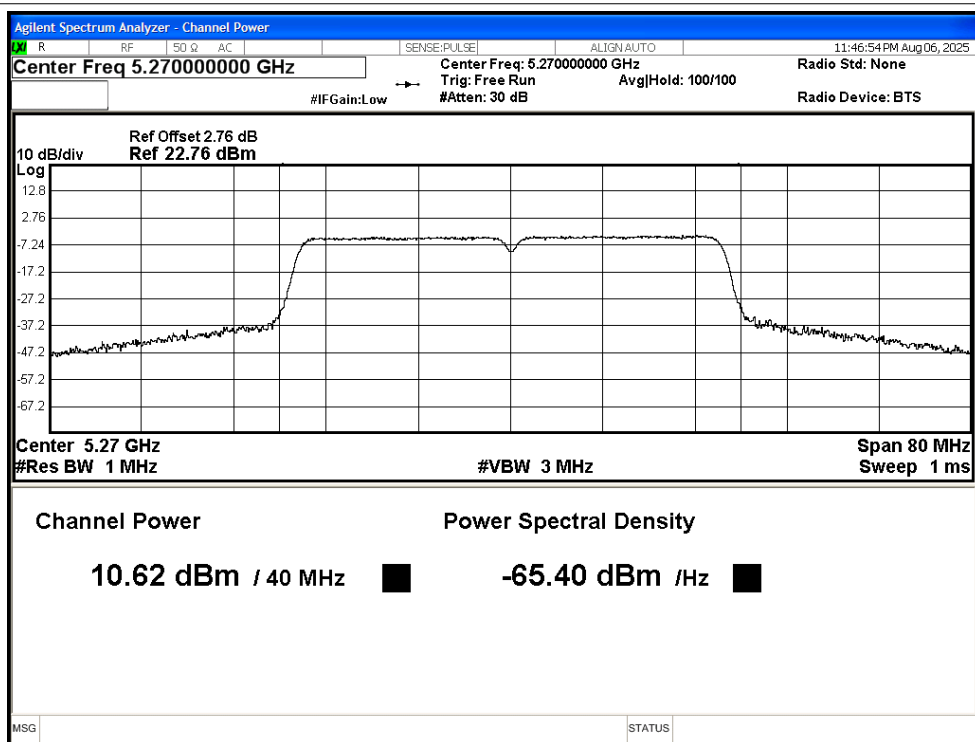
Power NVNT ac20 5300MHz Ant1



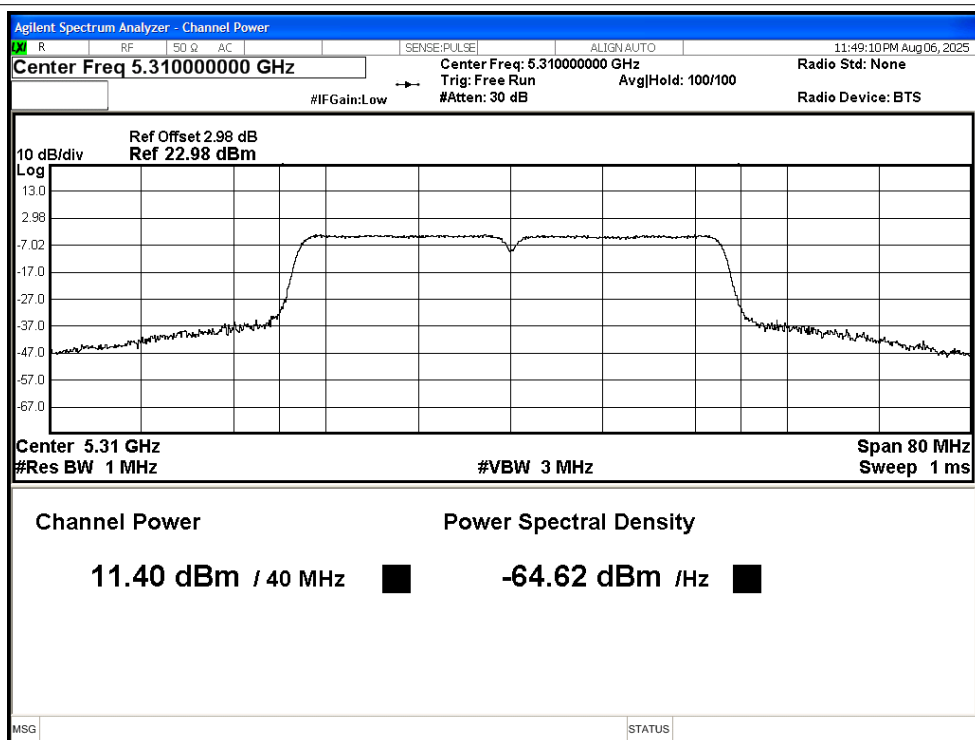
Power NVNT ac20 5320MHz Ant1



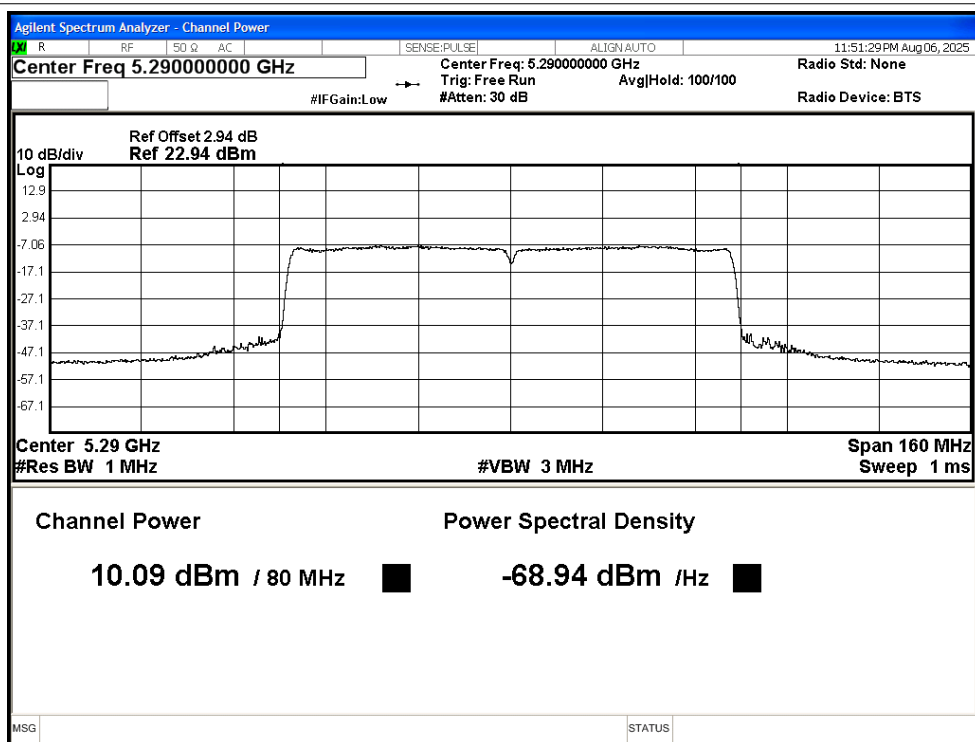
Power NVNT ac40 5270MHz Ant1



Power NVNT ac40 5310MHz Ant1



Power NVNT ac80 5290MHz Ant1

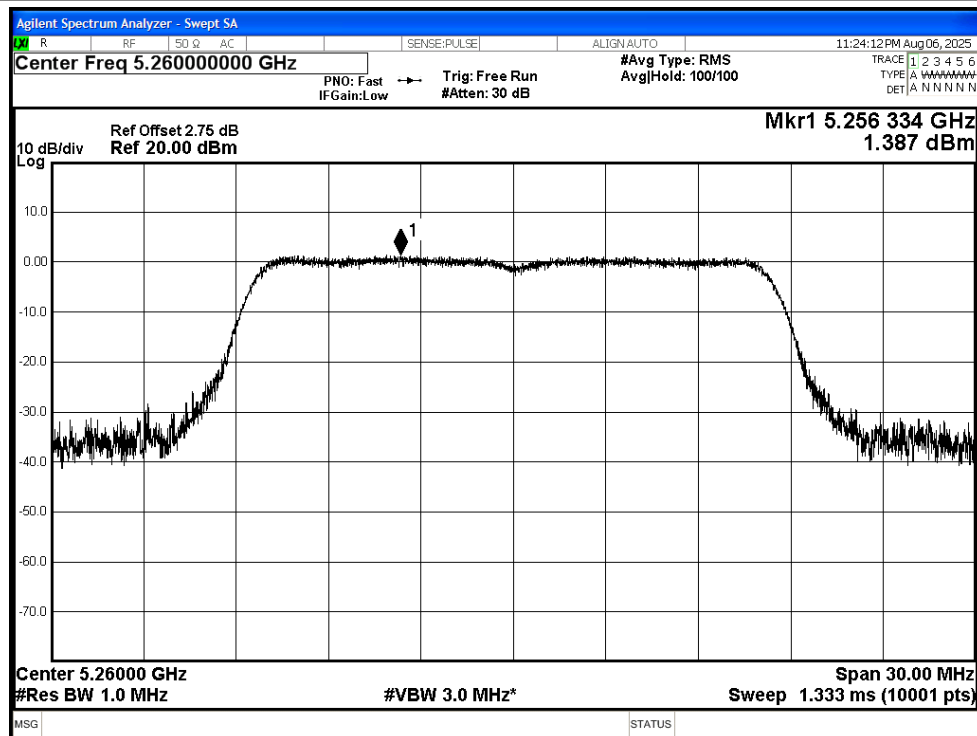


Maximum Power Spectral Density Level

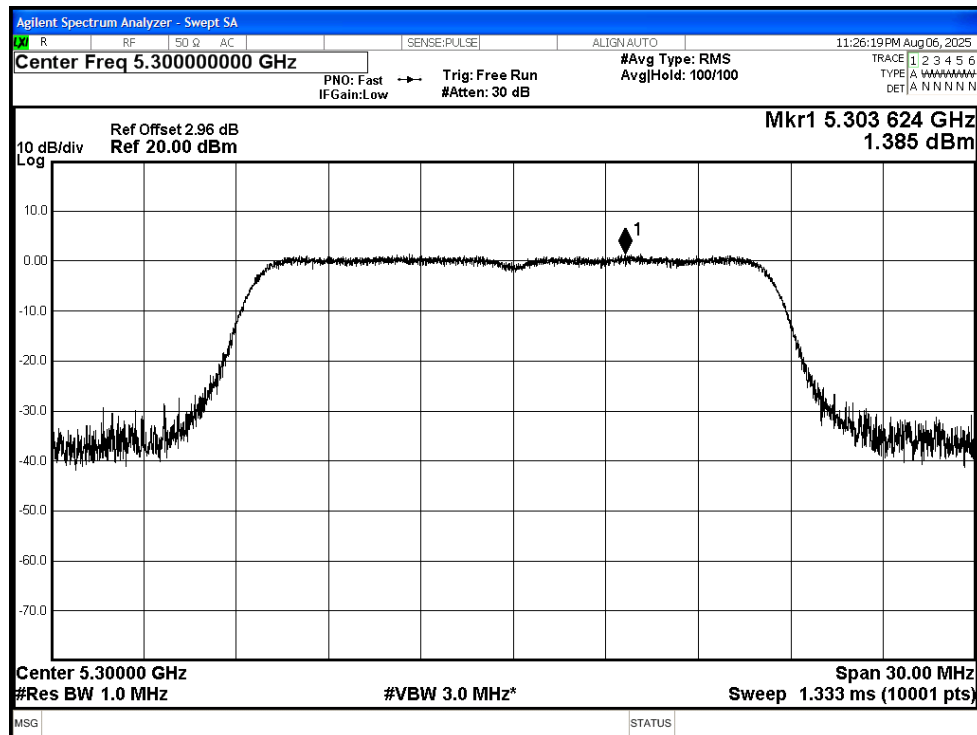
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	1.39	0.24	1.63	11	Pass
NVNT	a	5300	Ant1	1.39	0.24	1.63	11	Pass
NVNT	a	5320	Ant1	1.68	0.24	1.92	11	Pass
NVNT	n20	5260	Ant1	0.76	0.12	0.88	11	Pass
NVNT	n20	5300	Ant1	0.7	0.12	0.82	11	Pass
NVNT	n20	5320	Ant1	0.64	0.12	0.76	11	Pass
NVNT	n40	5270	Ant1	-3.07	0.23	-2.84	11	Pass
NVNT	n40	5310	Ant1	-3.63	0.24	-3.39	11	Pass
NVNT	ac20	5260	Ant1	0.43	0.12	0.55	11	Pass
NVNT	ac20	5300	Ant1	0.51	0.12	0.63	11	Pass
NVNT	ac20	5320	Ant1	0.77	0.12	0.89	11	Pass
NVNT	ac40	5270	Ant1	-3.35	0.24	-3.11	11	Pass
NVNT	ac40	5310	Ant1	-2.76	0.23	-2.53	11	Pass
NVNT	ac80	5290	Ant1	-6.9	0.47	-6.43	11	Pass

Test Graphs

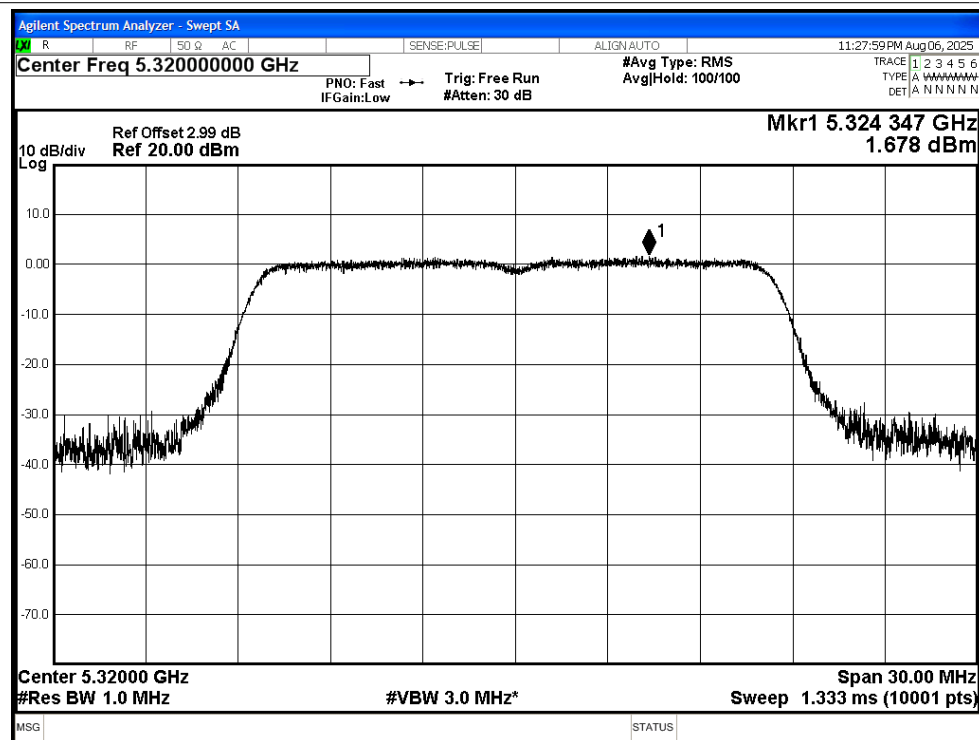
PSD NVNT a 5260MHz Ant1



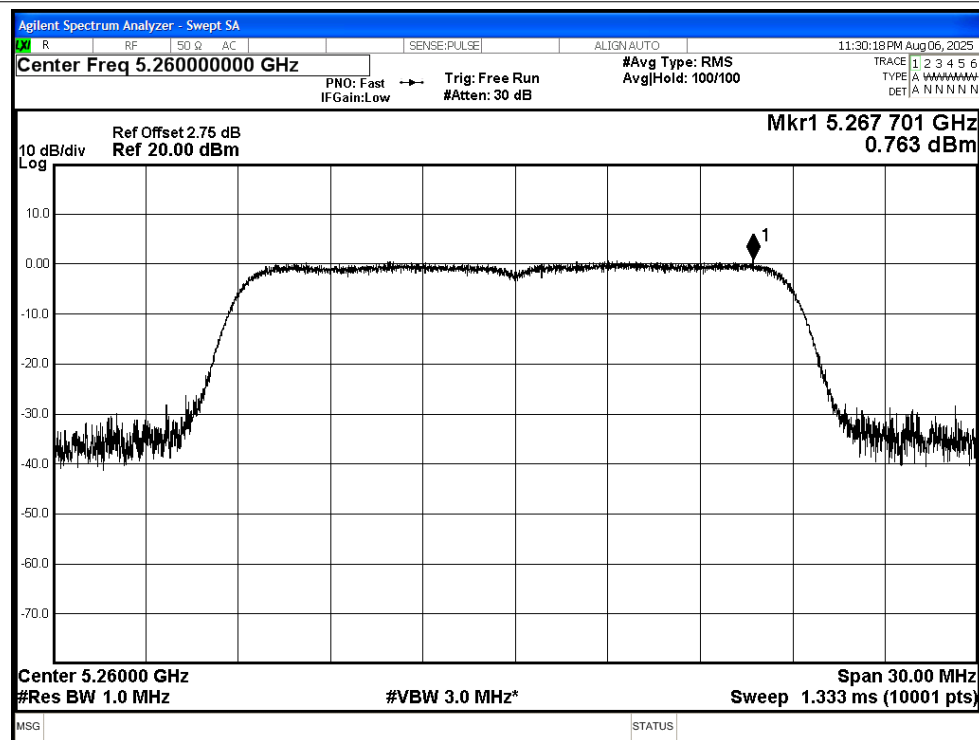
PSD NVNT a 5300MHz Ant1



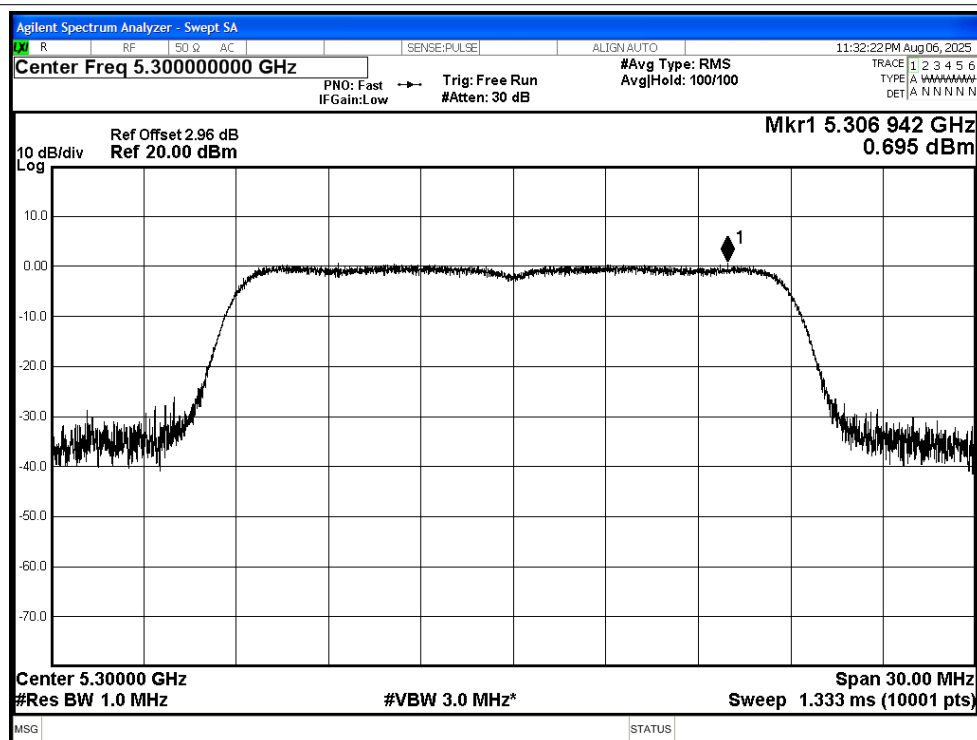
PSD NVNT a 5320MHz Ant1



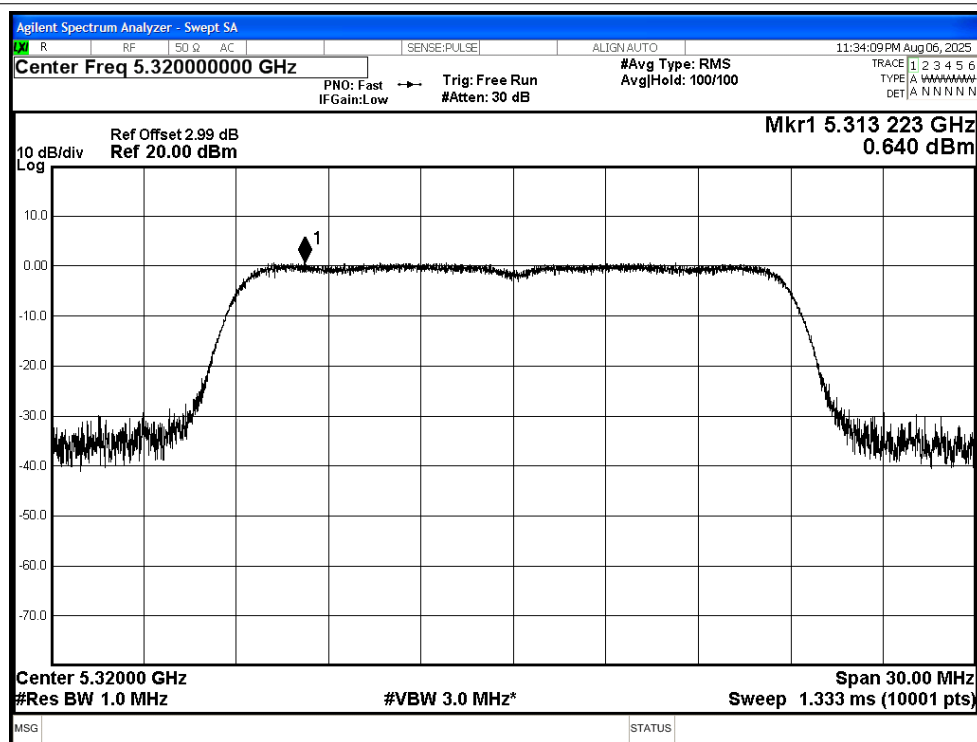
PSD NVNT n20 5260MHz Ant1



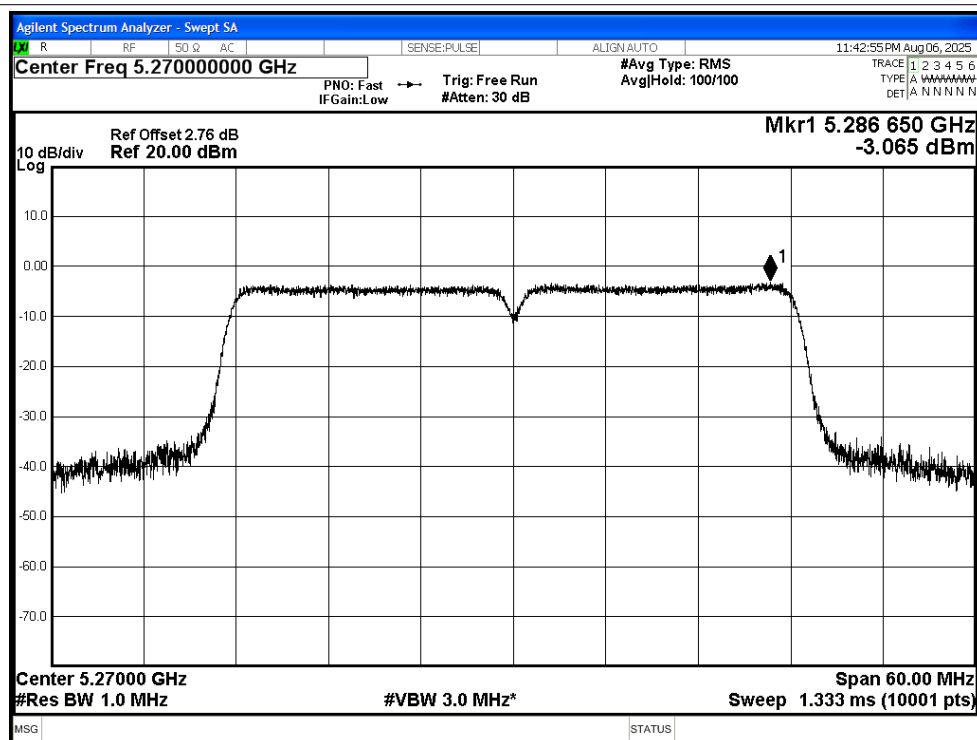
PSD NVNT n20 5300MHz Ant1



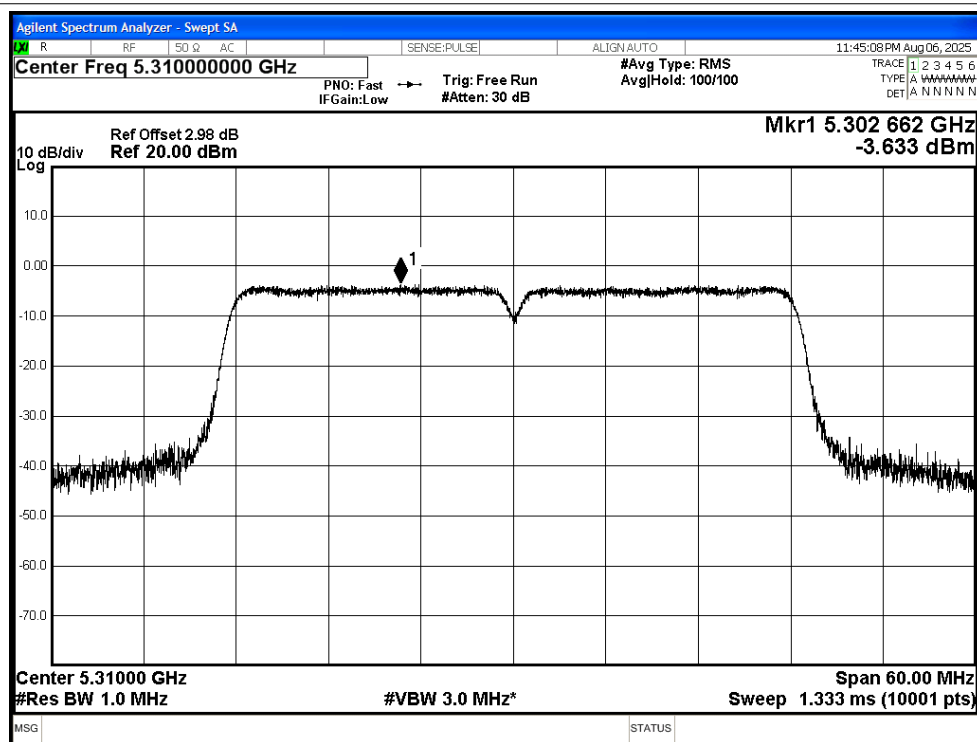
PSD NVNT n20 5320MHz Ant1



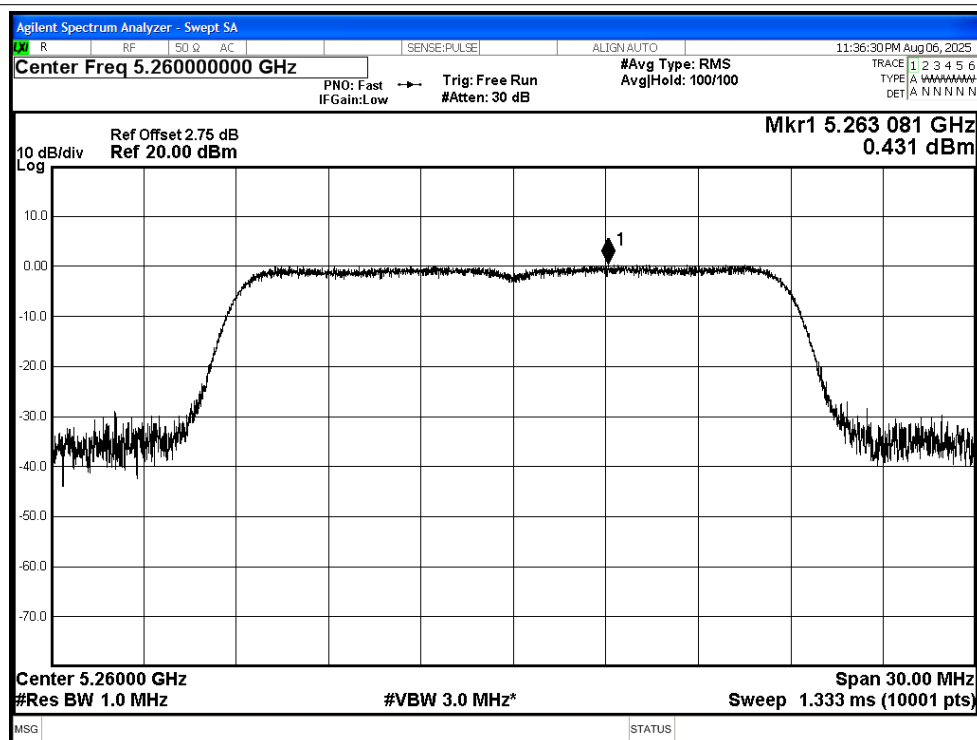
PSD NVNT n40 5270MHz Ant1



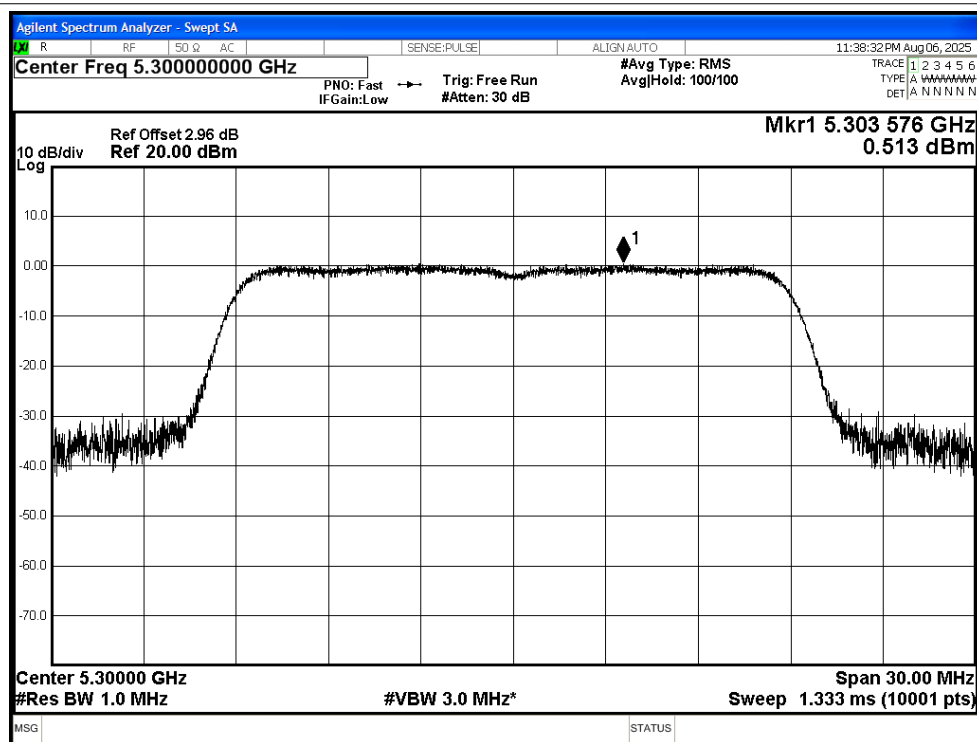
PSD NVNT n40 5310MHz Ant1



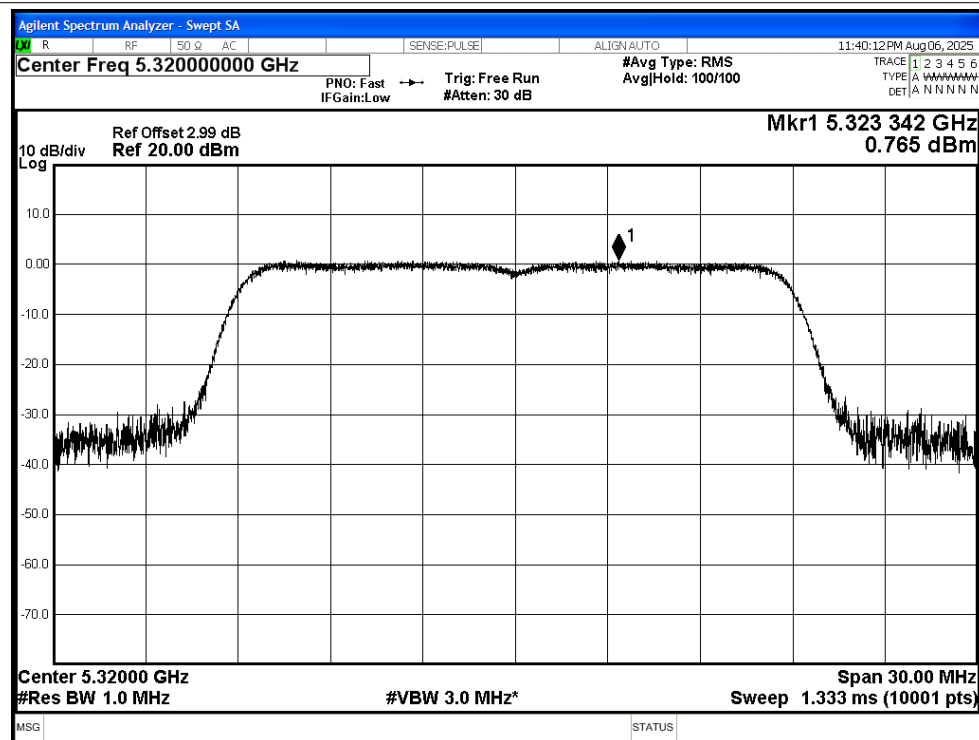
PSD NVNT ac20 5260MHz Ant1



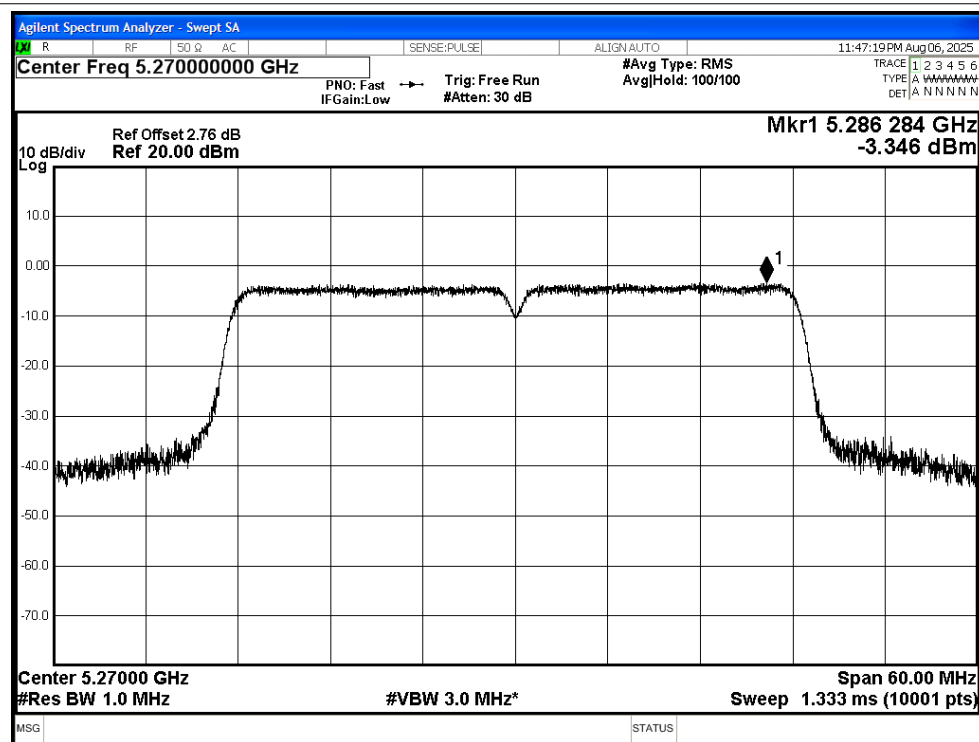
PSD NVNT ac20 5300MHz Ant1



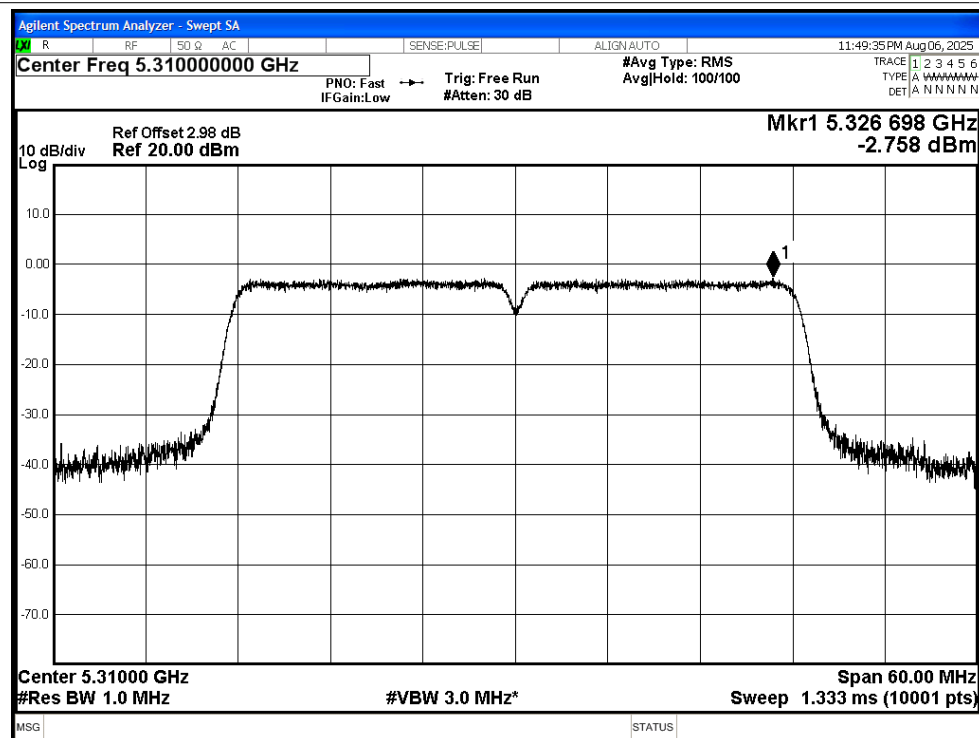
PSD NVNT ac20 5320MHz Ant1



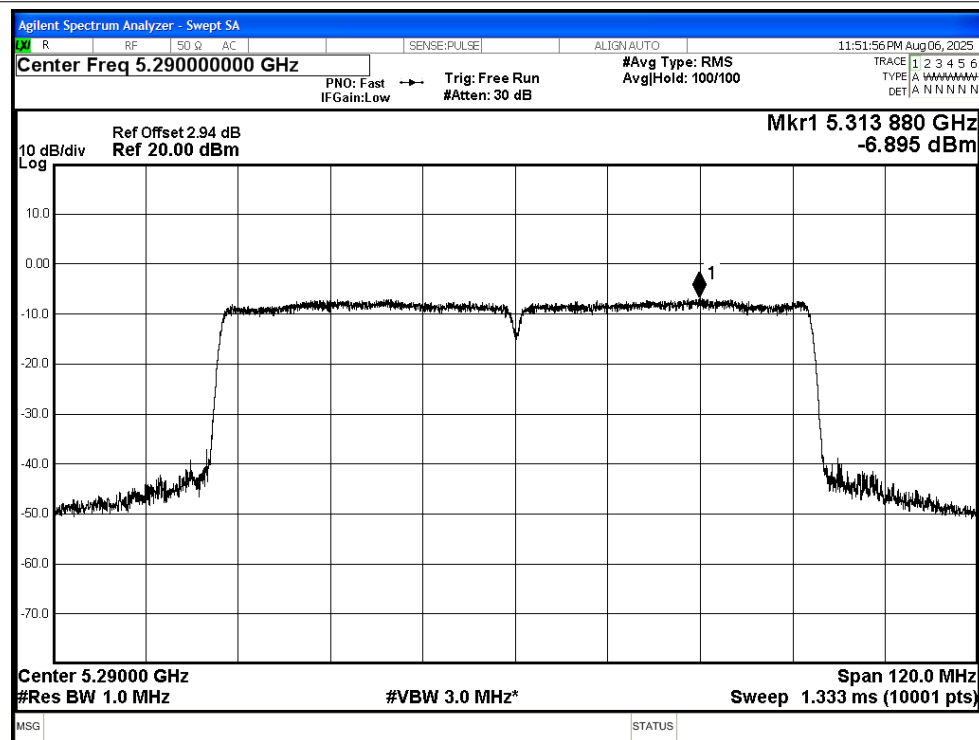
PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5290MHz Ant1

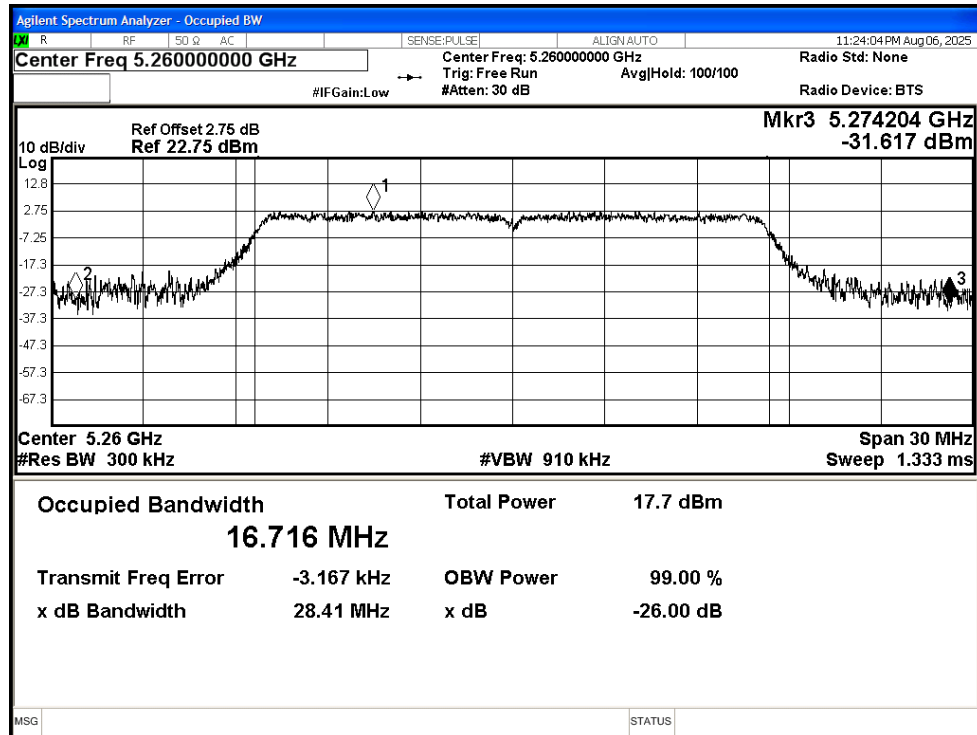


-26dB Bandwidth

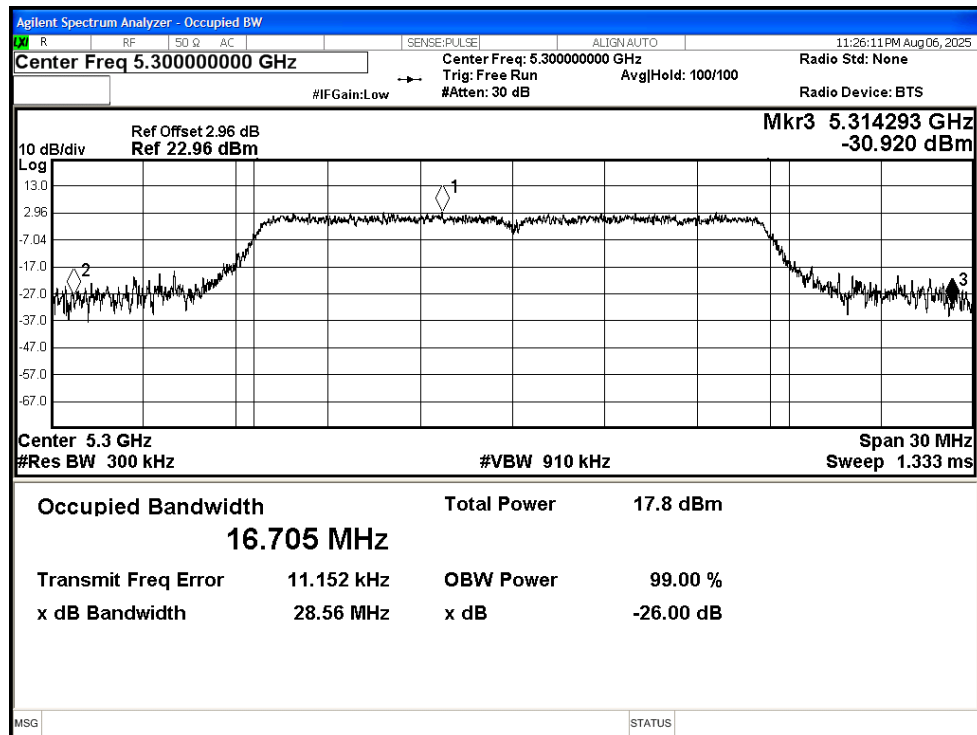
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	28.415	≥ 0.5	Pass
NVNT	a	5300	Ant1	28.564	≥ 0.5	Pass
NVNT	a	5320	Ant1	26.858	≥ 0.5	Pass
NVNT	n20	5260	Ant1	27.786	≥ 0.5	Pass
NVNT	n20	5300	Ant1	28.1	≥ 0.5	Pass
NVNT	n20	5320	Ant1	28.859	≥ 0.5	Pass
NVNT	n40	5270	Ant1	44.762	≥ 0.5	Pass
NVNT	n40	5310	Ant1	44.727	≥ 0.5	Pass
NVNT	ac20	5260	Ant1	29.017	≥ 0.5	Pass
NVNT	ac20	5300	Ant1	27.34	≥ 0.5	Pass
NVNT	ac20	5320	Ant1	26.476	≥ 0.5	Pass
NVNT	ac40	5270	Ant1	46.488	≥ 0.5	Pass
NVNT	ac40	5310	Ant1	46.145	≥ 0.5	Pass
NVNT	ac80	5290	Ant1	85.419	≥ 0.5	Pass

Test Graphs

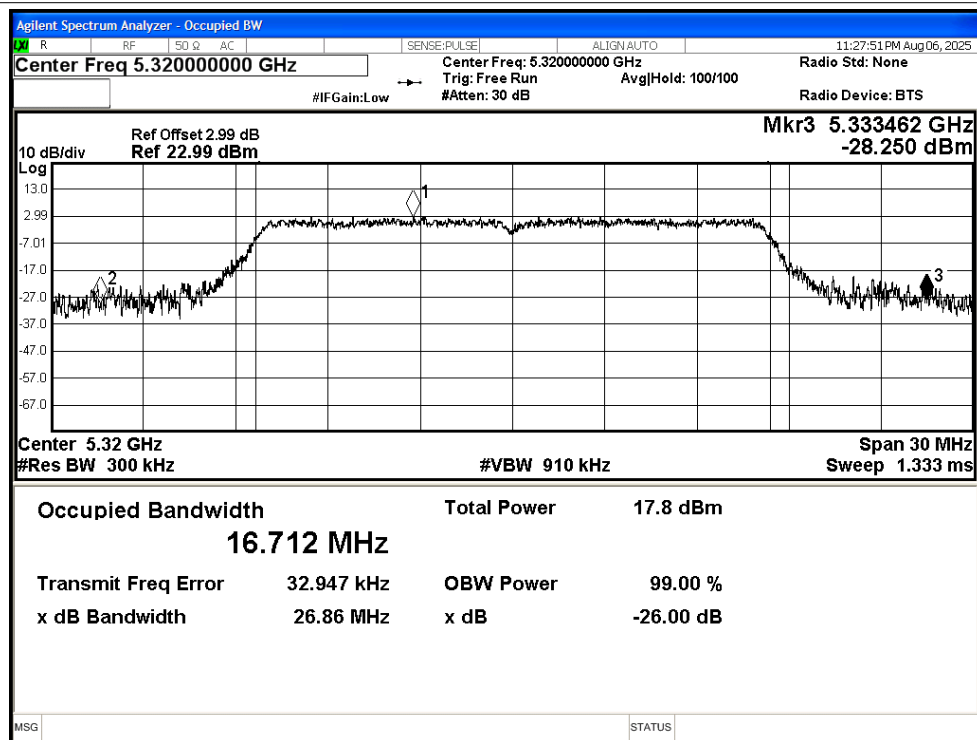
-26dB Bandwidth NVNT a 5260MHz Ant1



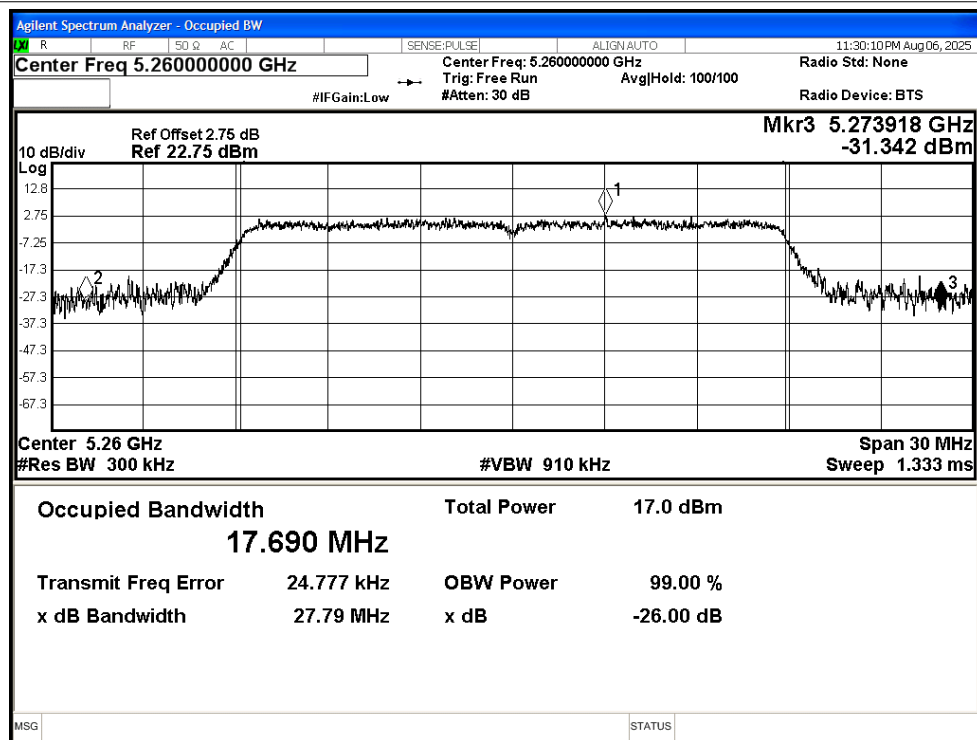
-26dB Bandwidth NVNT a 5300MHz Ant1



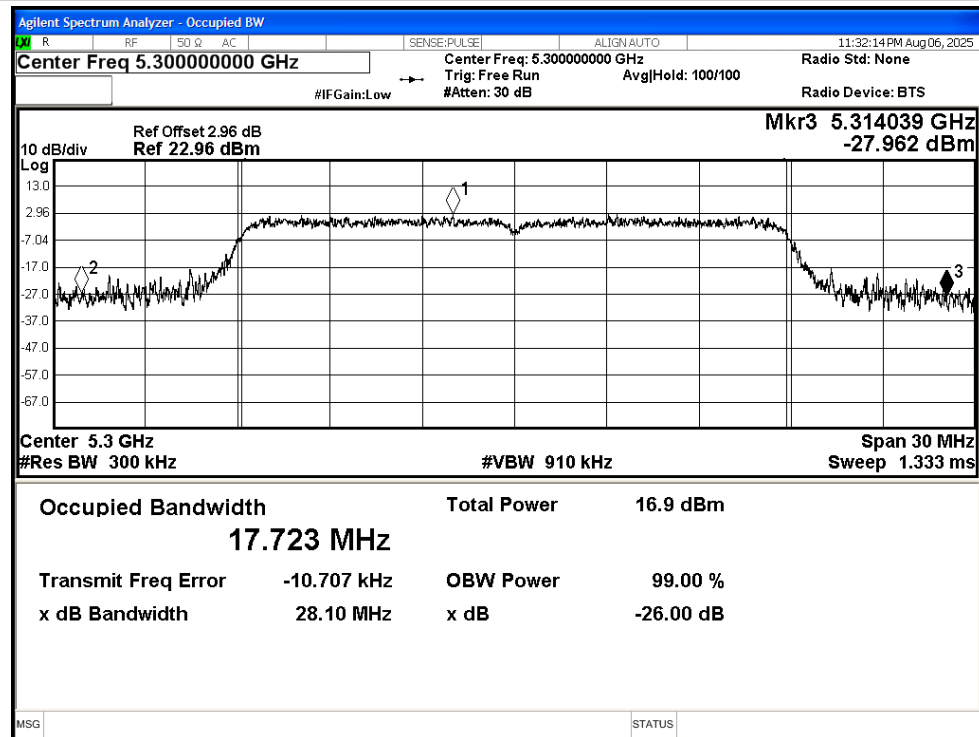
-26dB Bandwidth NVNT a 5320MHz Ant1



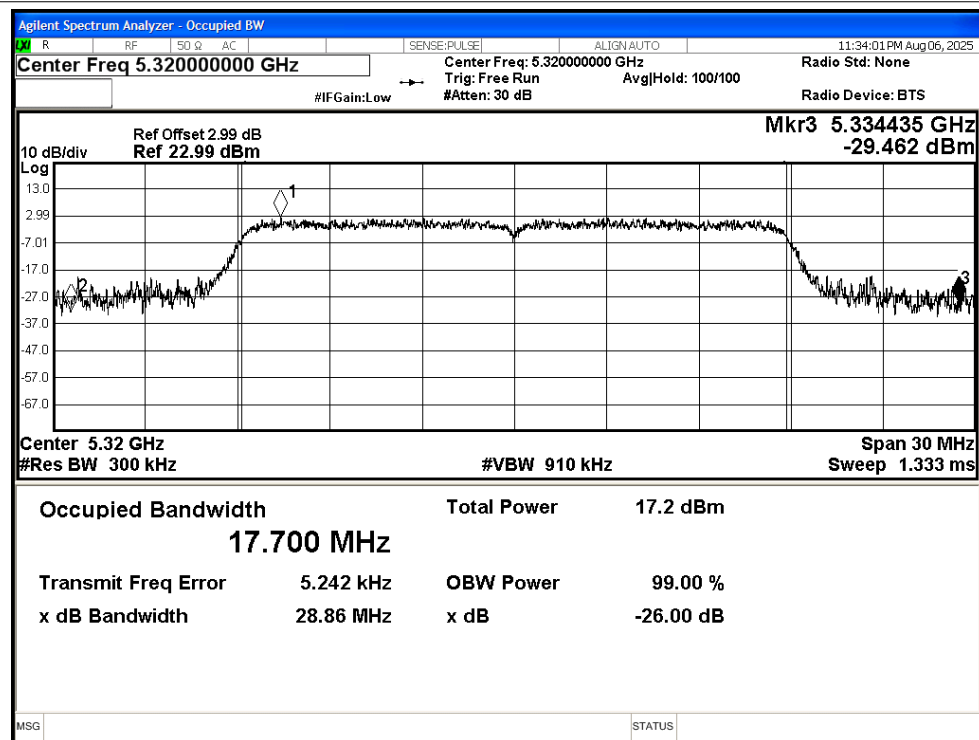
-26dB Bandwidth NVNT n20 5260MHz Ant1



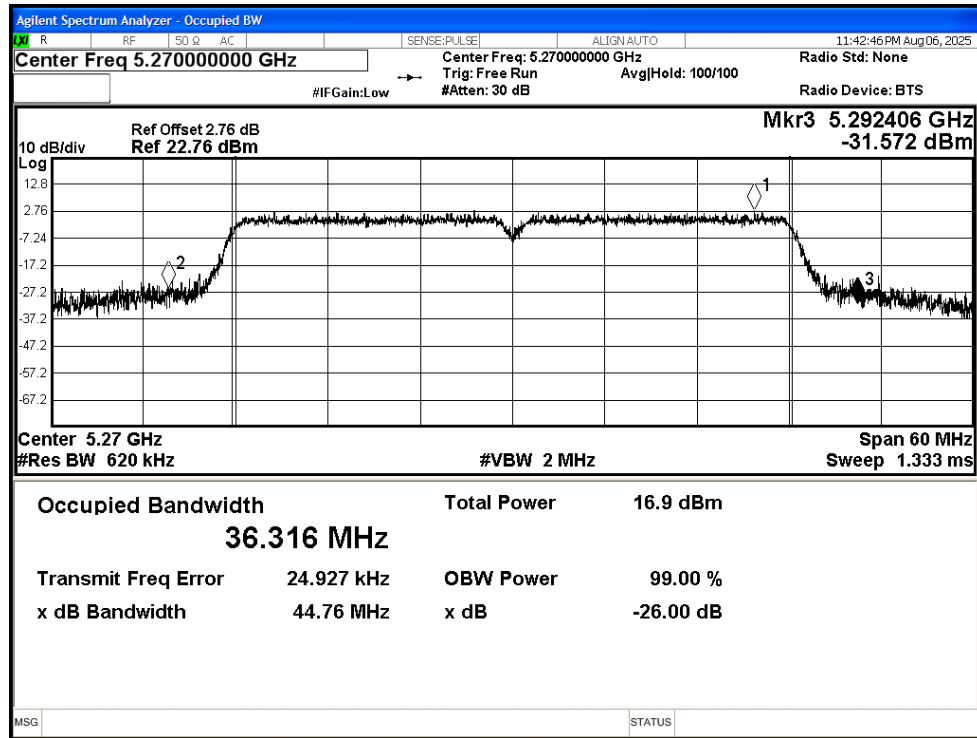
-26dB Bandwidth NVNT n20 5300MHz Ant1



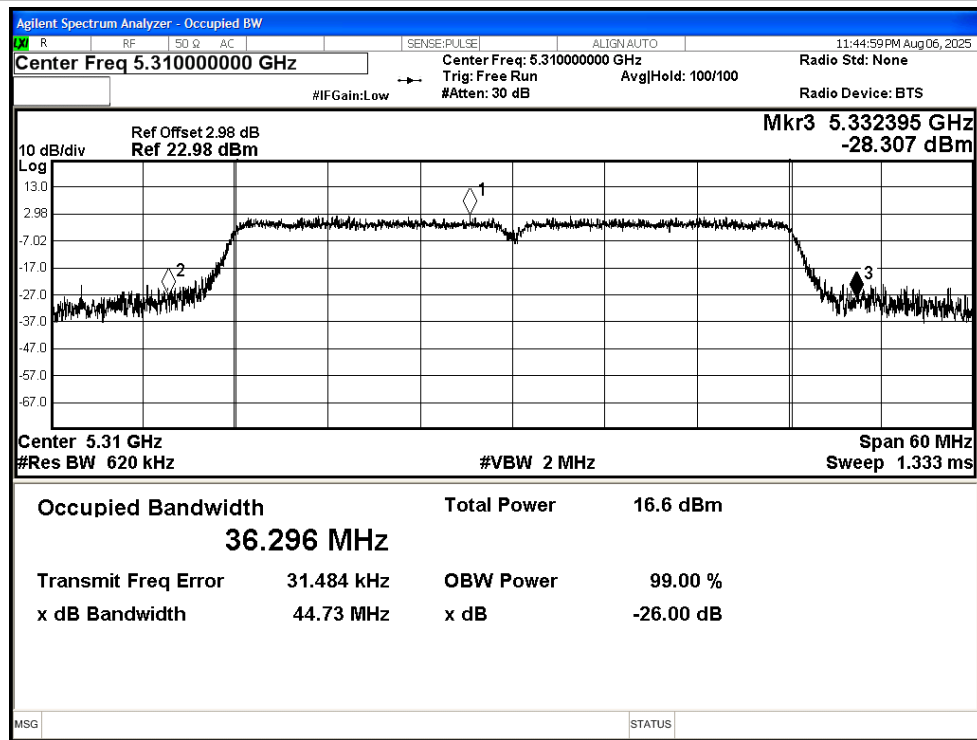
-26dB Bandwidth NVNT n20 5320MHz Ant1



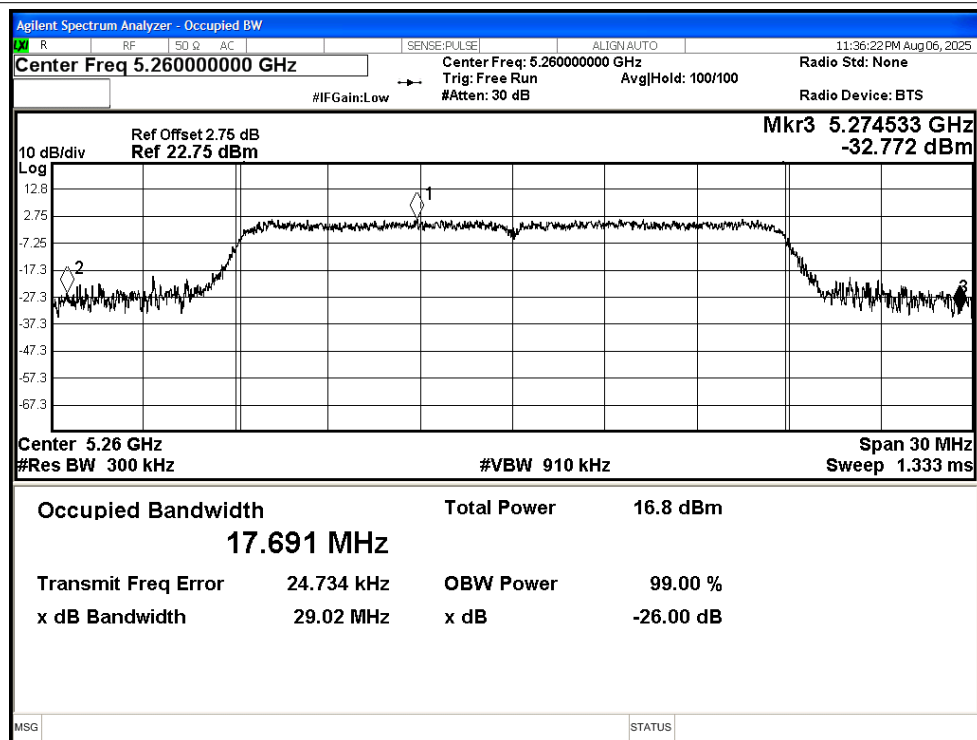
-26dB Bandwidth NVNT n40 5270MHz Ant1



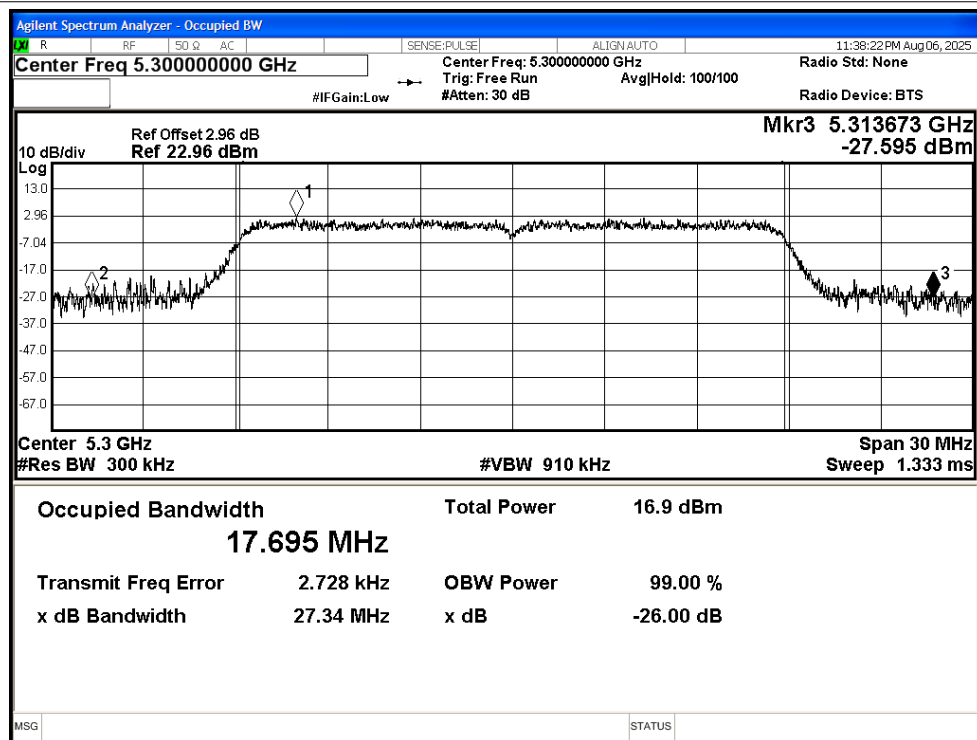
-26dB Bandwidth NVNT n40 5310MHz Ant1



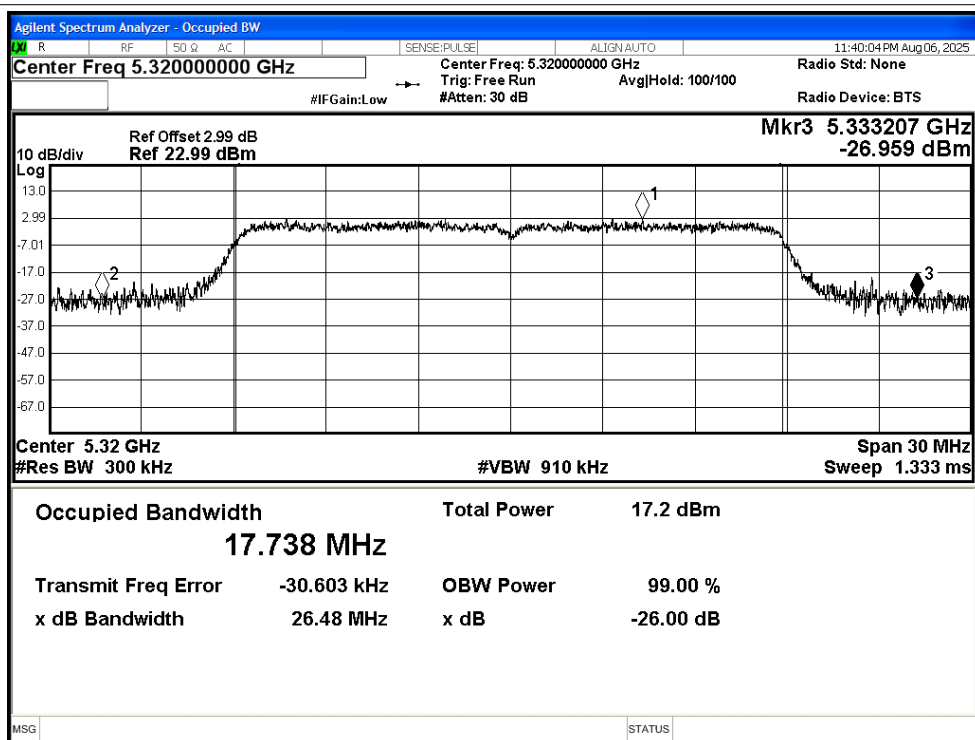
-26dB Bandwidth NVNT ac20 5260MHz Ant1



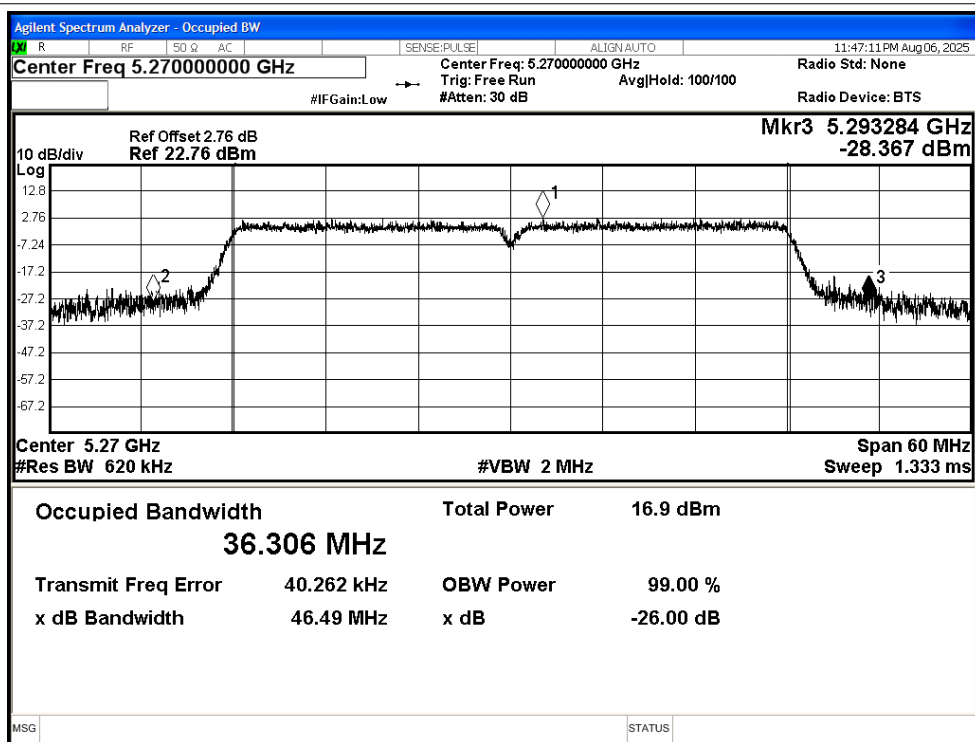
-26dB Bandwidth NVNT ac20 5300MHz Ant1



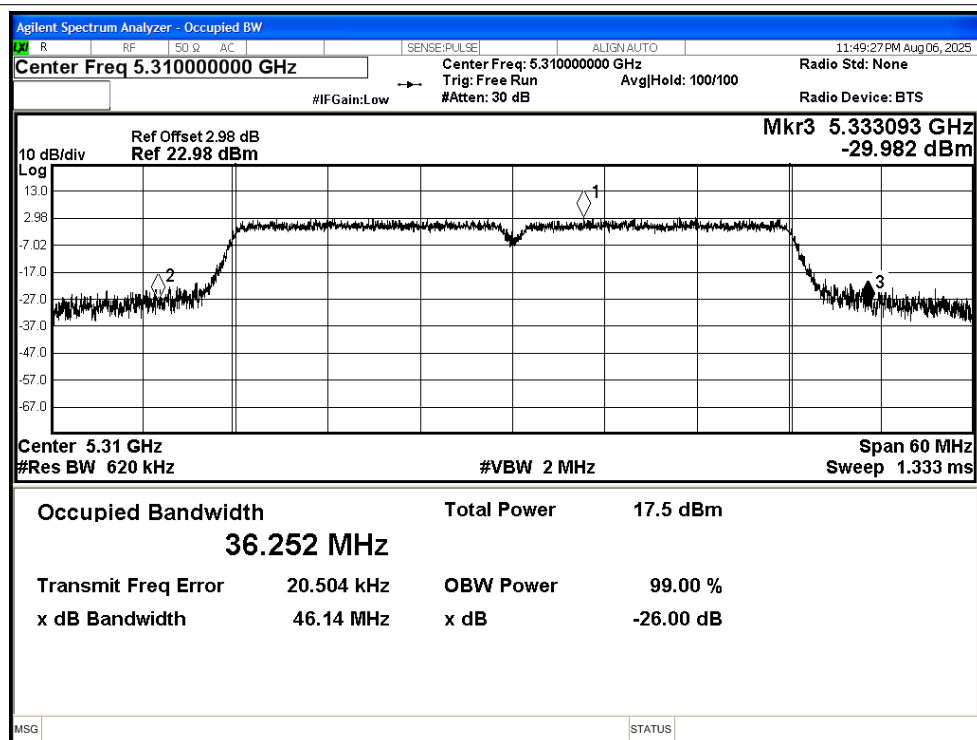
-26dB Bandwidth NVNT ac20 5320MHz Ant1



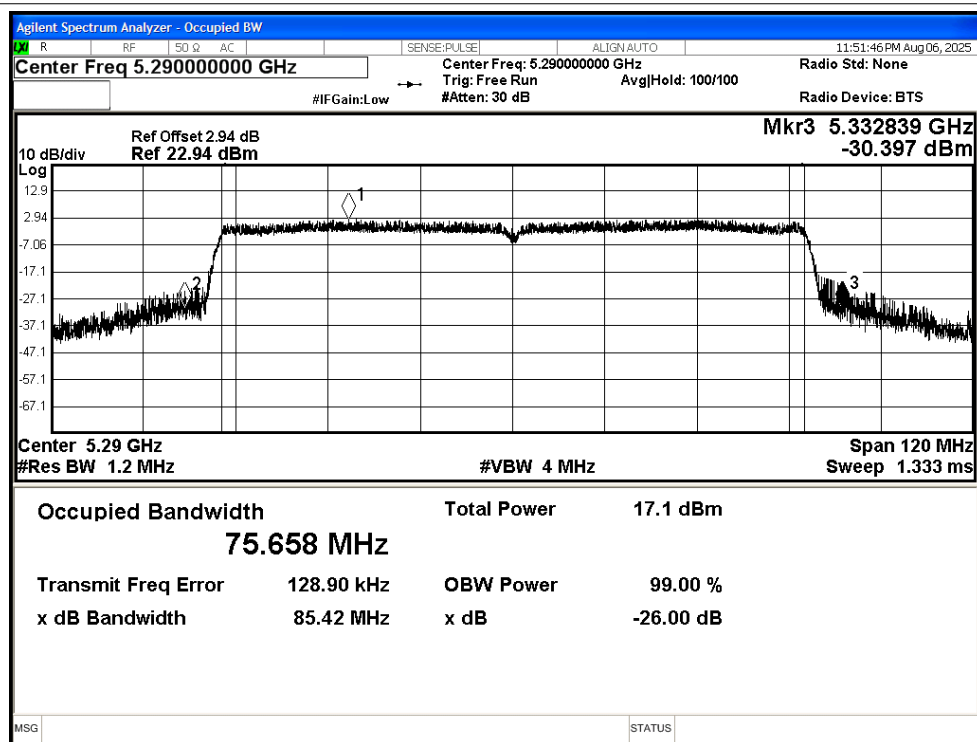
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1

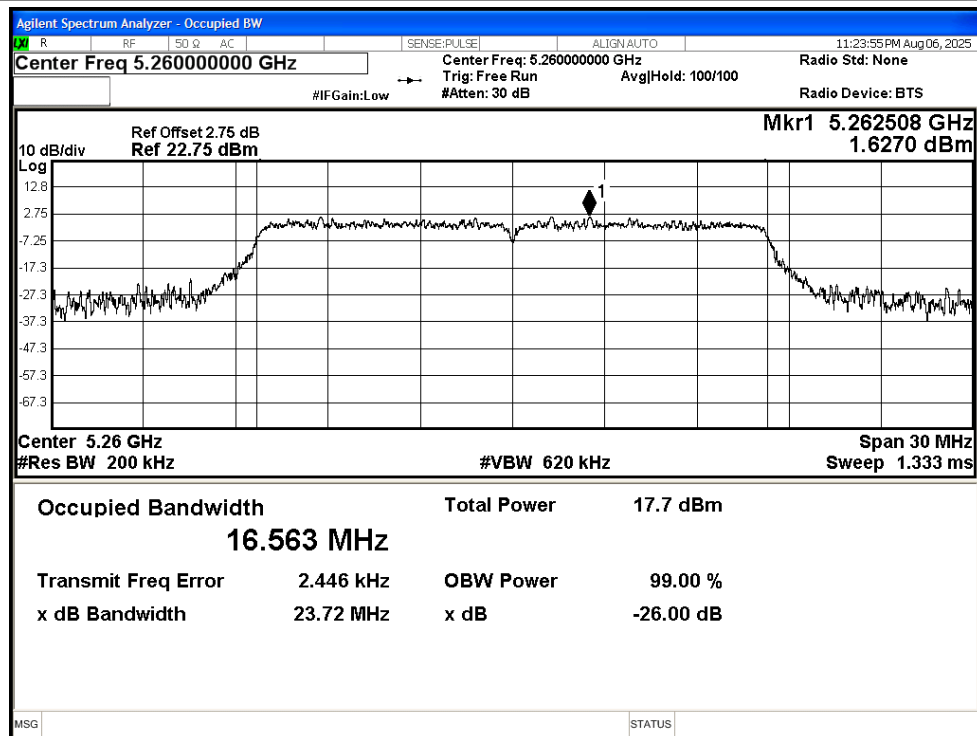


Occupied Channel Bandwidth

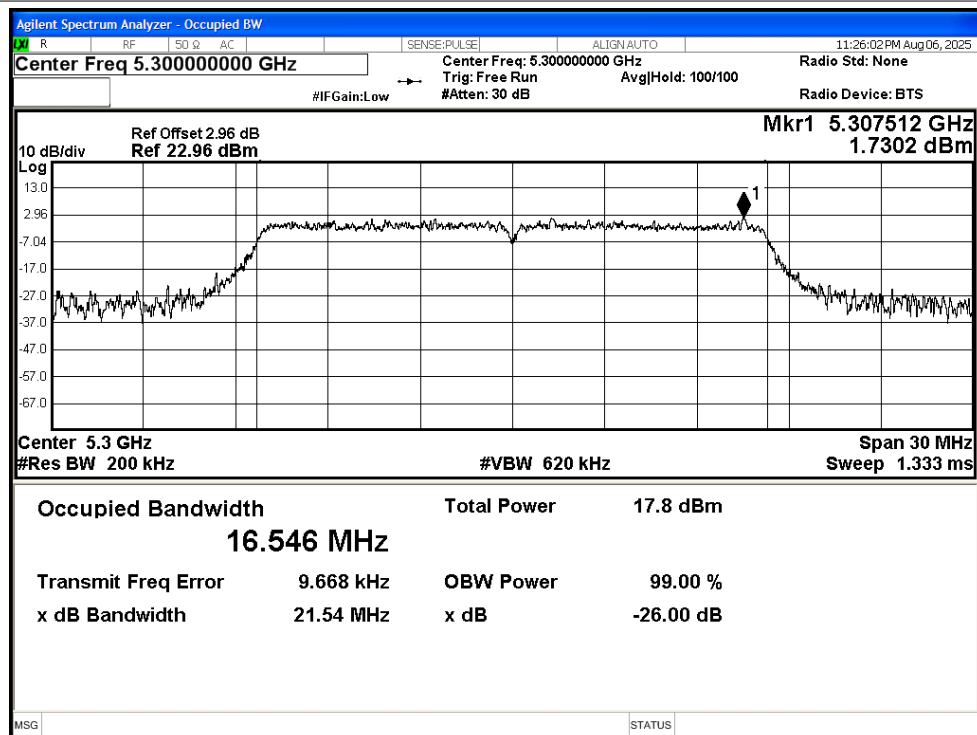
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.563
NVNT	a	5300	Ant1	16.546
NVNT	a	5320	Ant1	16.555
NVNT	n20	5260	Ant1	17.62
NVNT	n20	5300	Ant1	17.636
NVNT	n20	5320	Ant1	17.632
NVNT	n40	5270	Ant1	36.231
NVNT	n40	5310	Ant1	36.235
NVNT	ac20	5260	Ant1	17.647
NVNT	ac20	5300	Ant1	17.639
NVNT	ac20	5320	Ant1	17.638
NVNT	ac40	5270	Ant1	36.262
NVNT	ac40	5310	Ant1	36.25
NVNT	ac80	5290	Ant1	75.509

Test Graphs

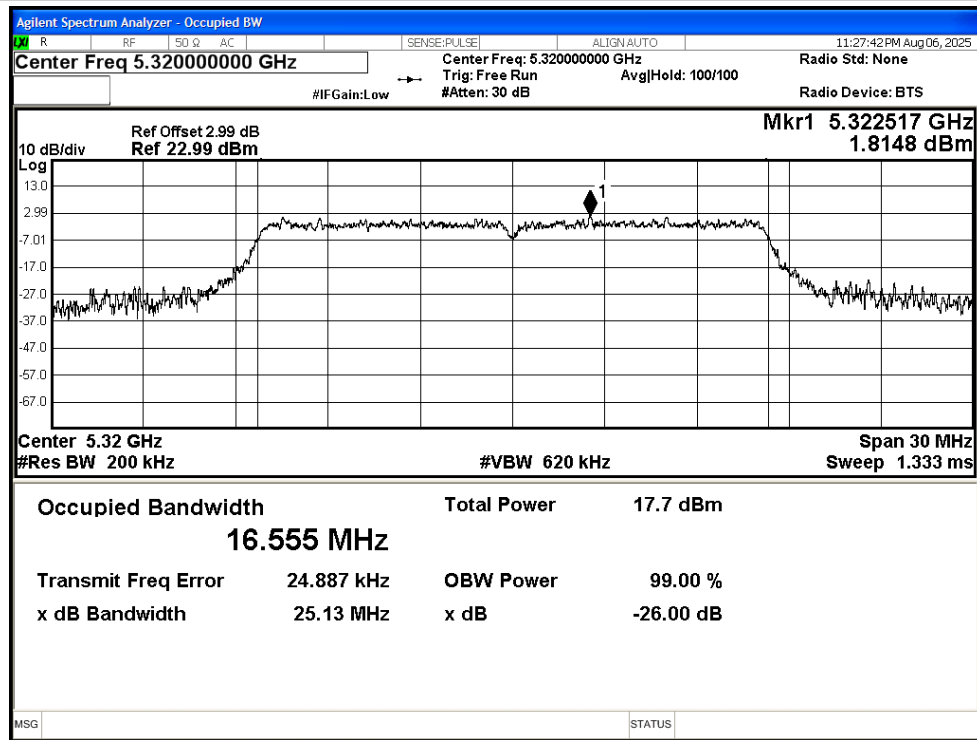
OBW NVNT a 5260MHz Ant1



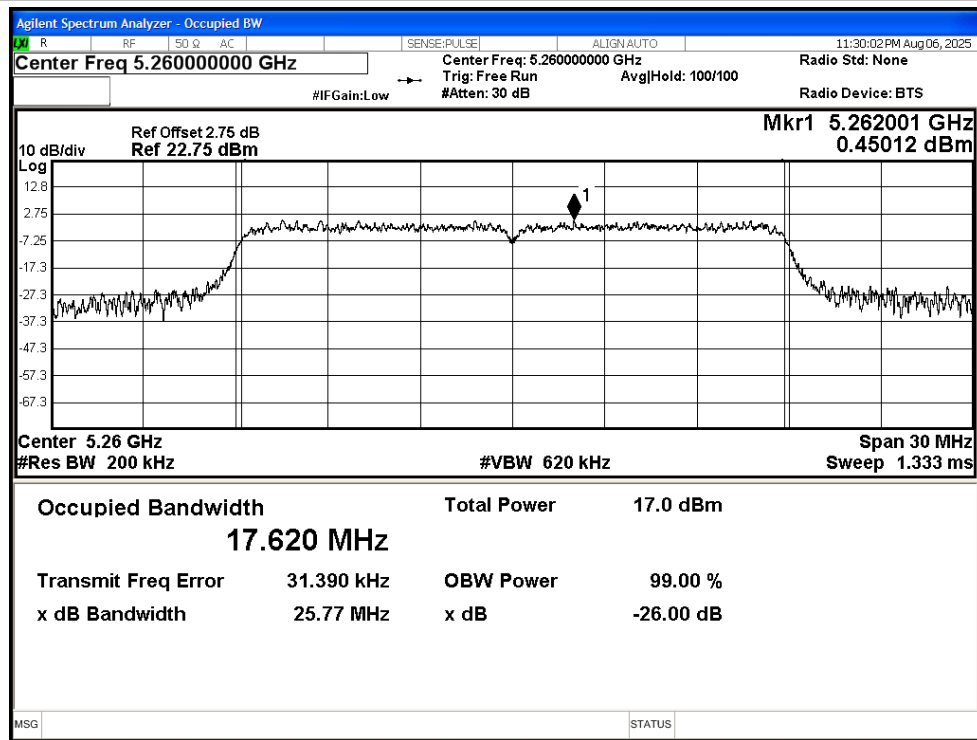
OBW NVNT a 5300MHz Ant1



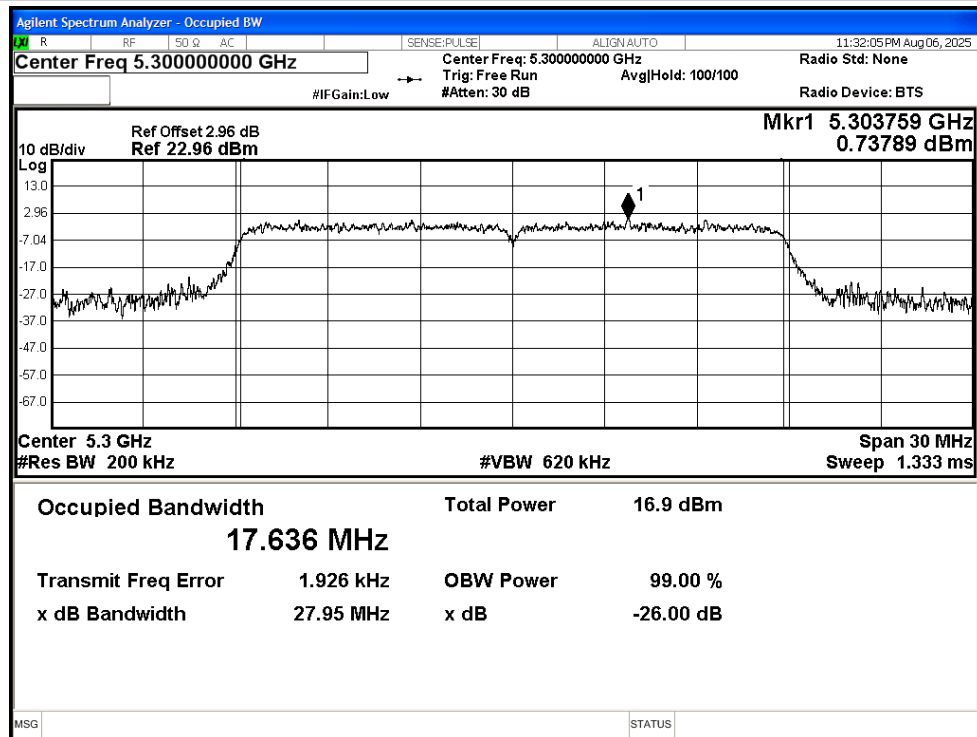
OBW NVNT a 5320MHz Ant1



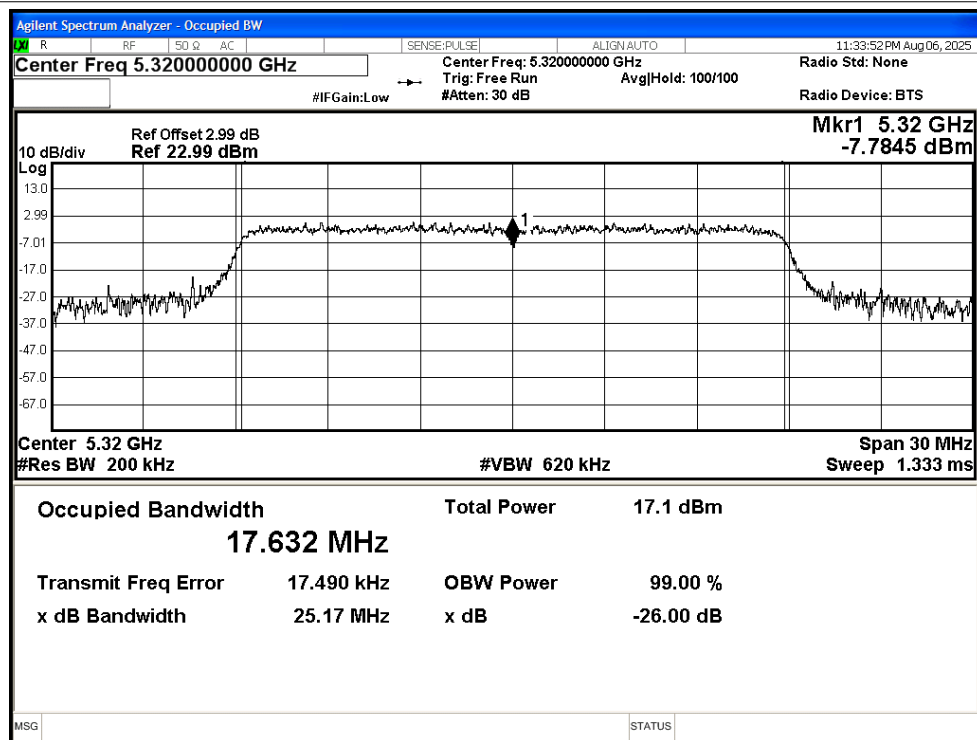
OBW NVNT n20 5260MHz Ant1



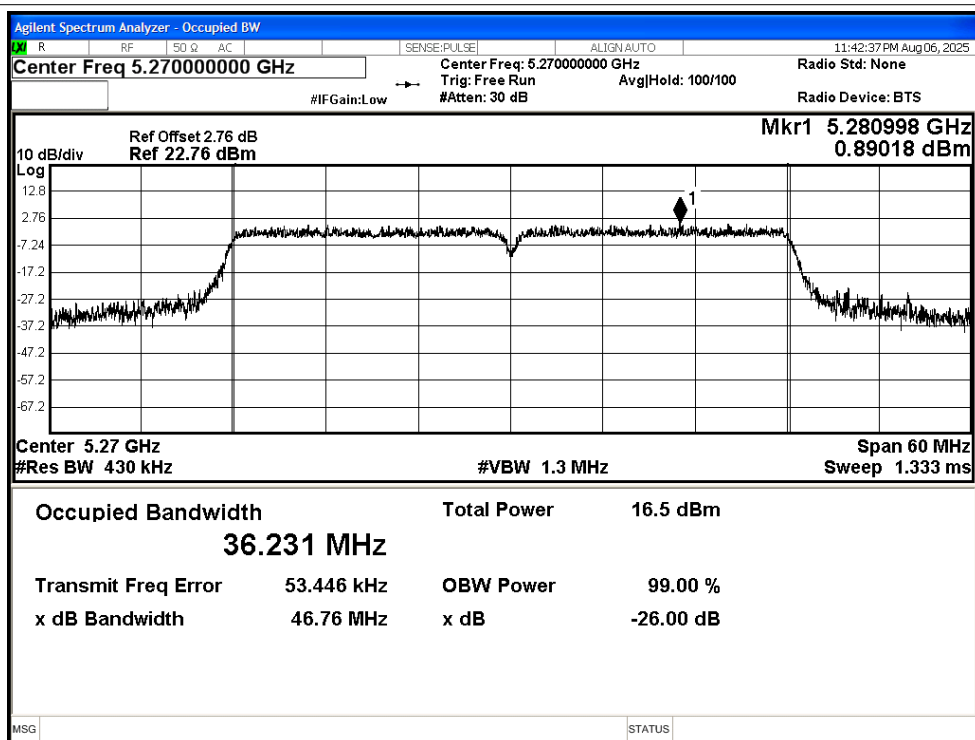
OBW NVNT n20 5300MHz Ant1



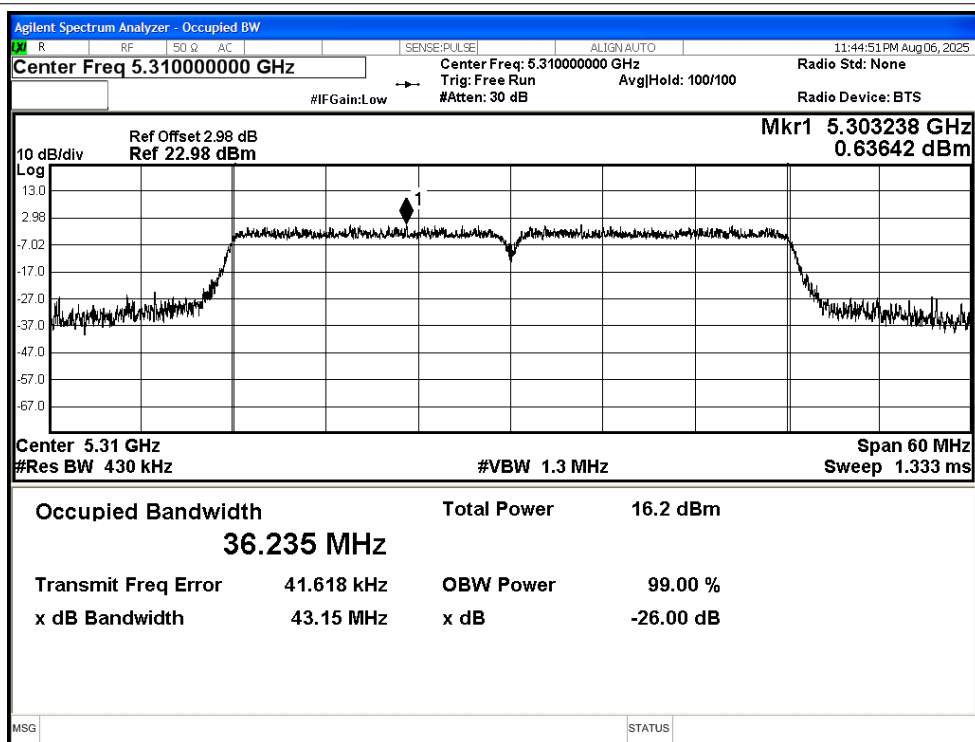
OBW NVNT n20 5320MHz Ant1



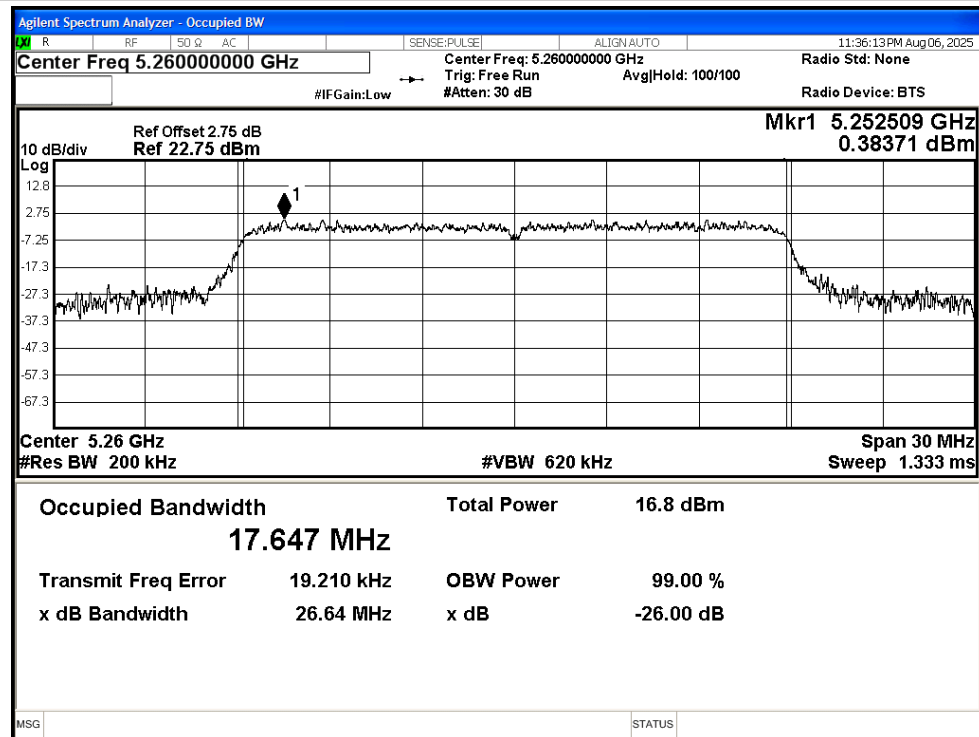
OBW NVNT n40 5270MHz Ant1



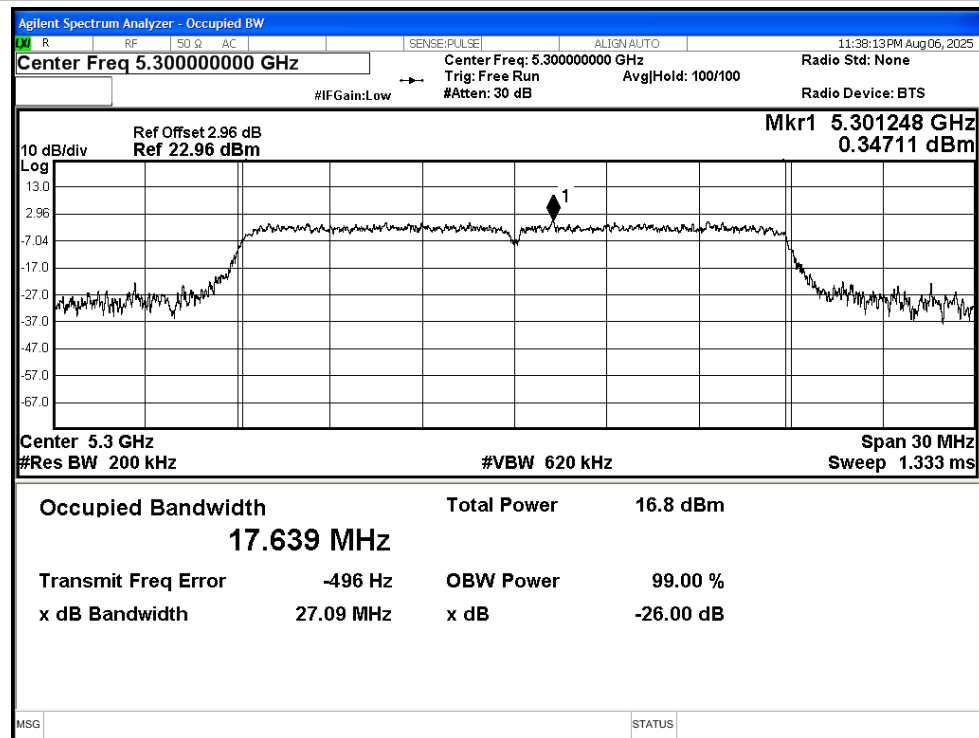
OBW NVNT n40 5310MHz Ant1



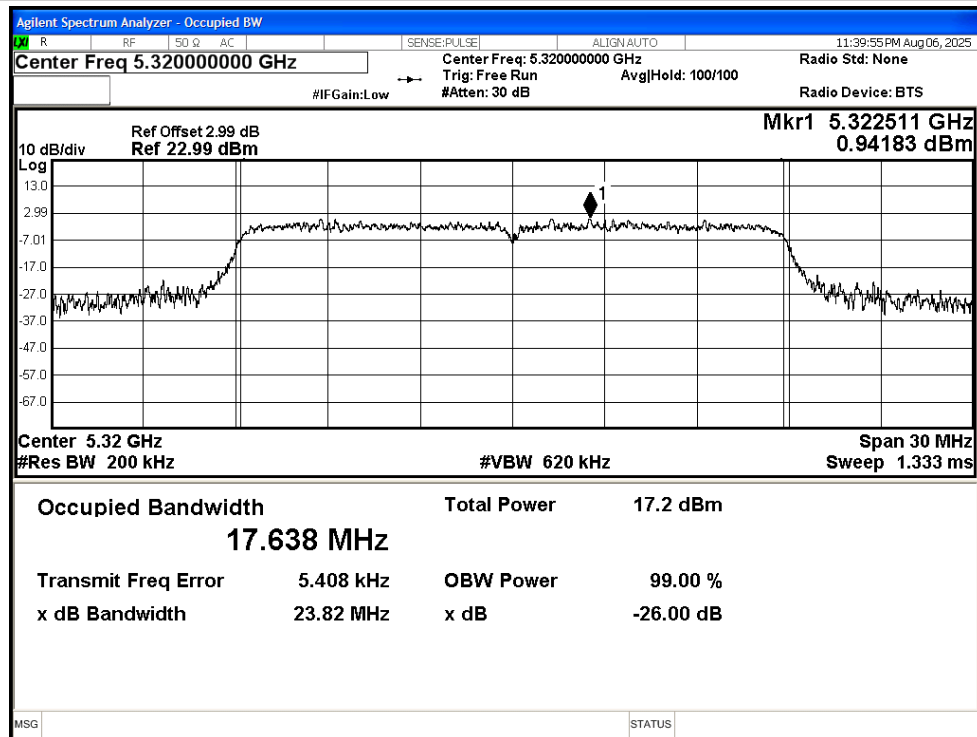
OBW NVNT ac20 5260MHz Ant1



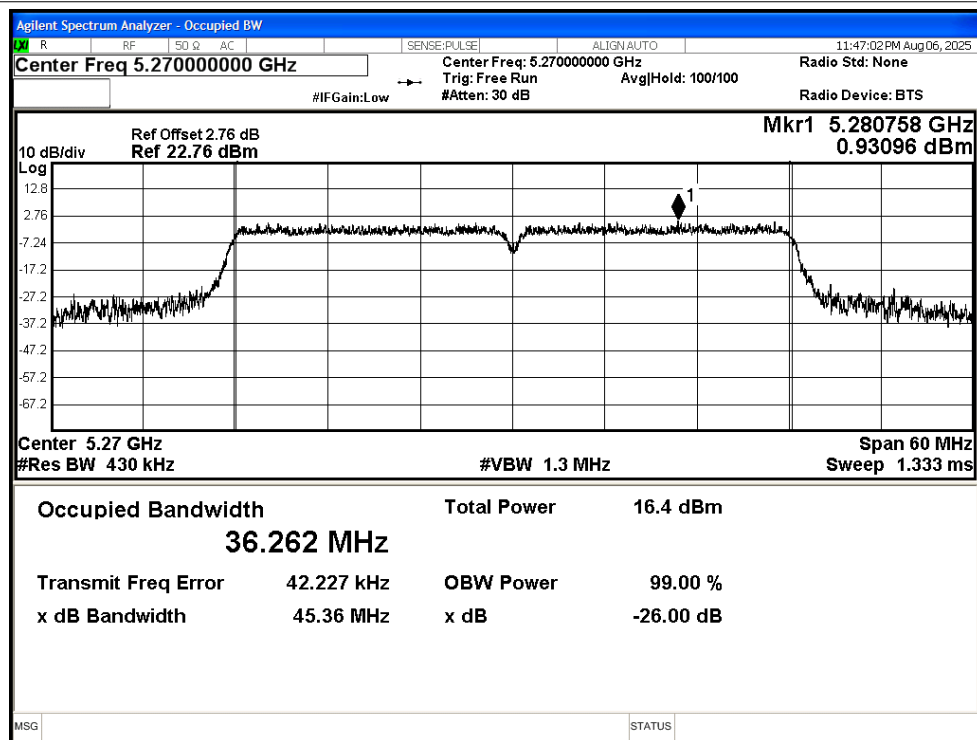
OBW NVNT ac20 5300MHz Ant1



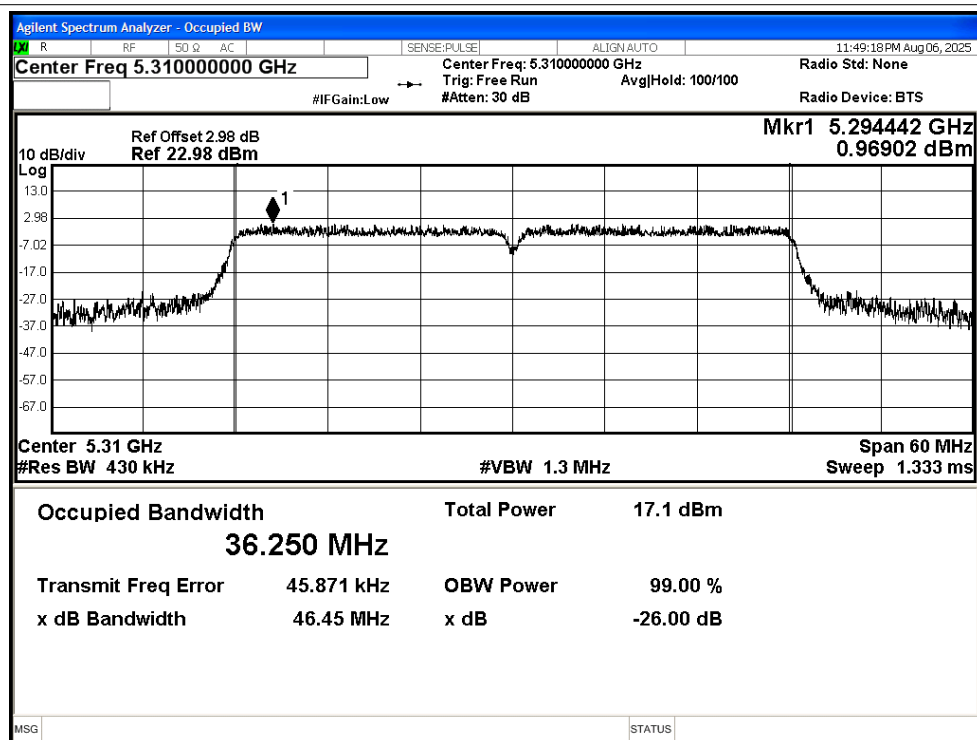
OBW NVNT ac20 5320MHz Ant1



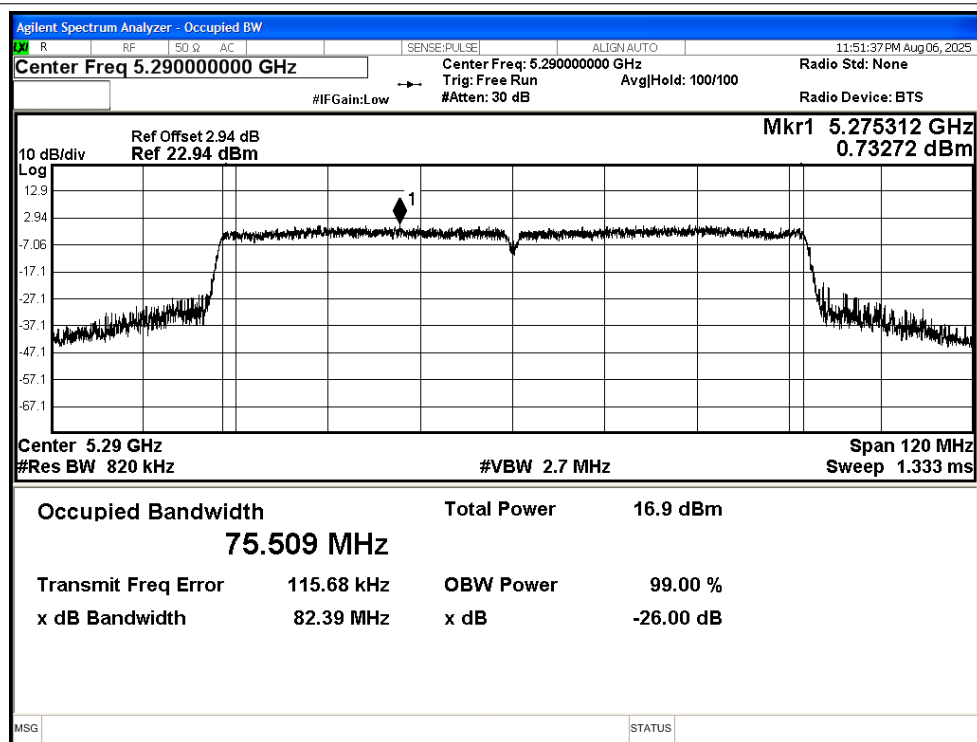
OBW NVNT ac40 5270MHz Ant1



OBW NVNT ac40 5310MHz Ant1

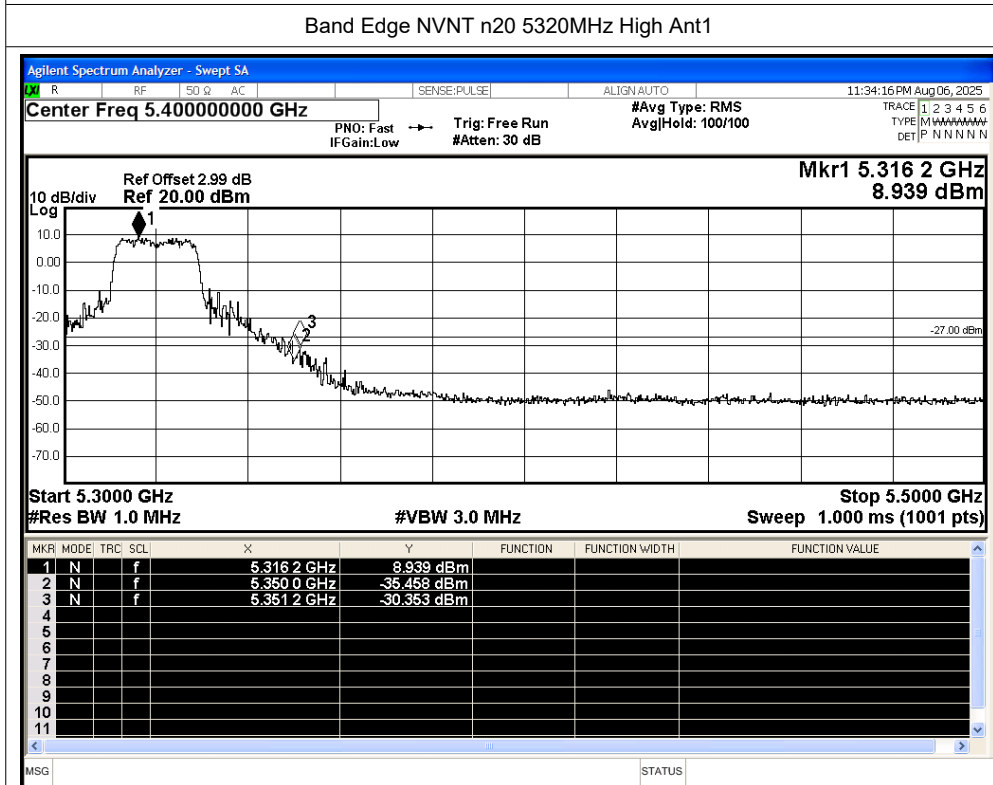
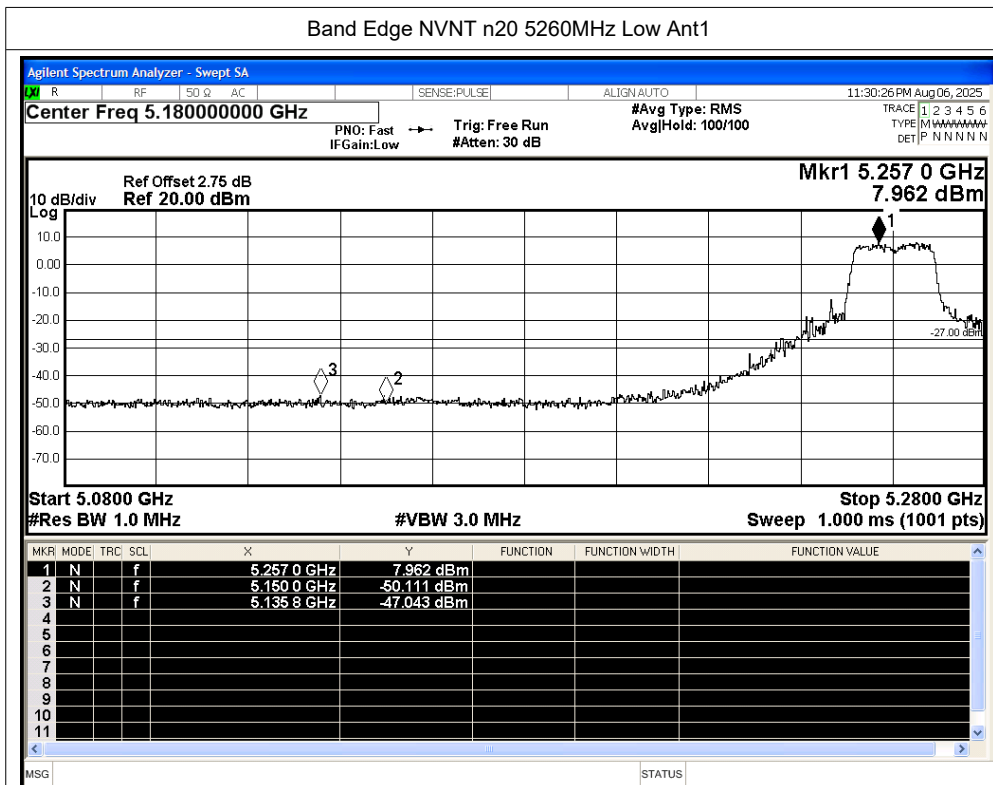


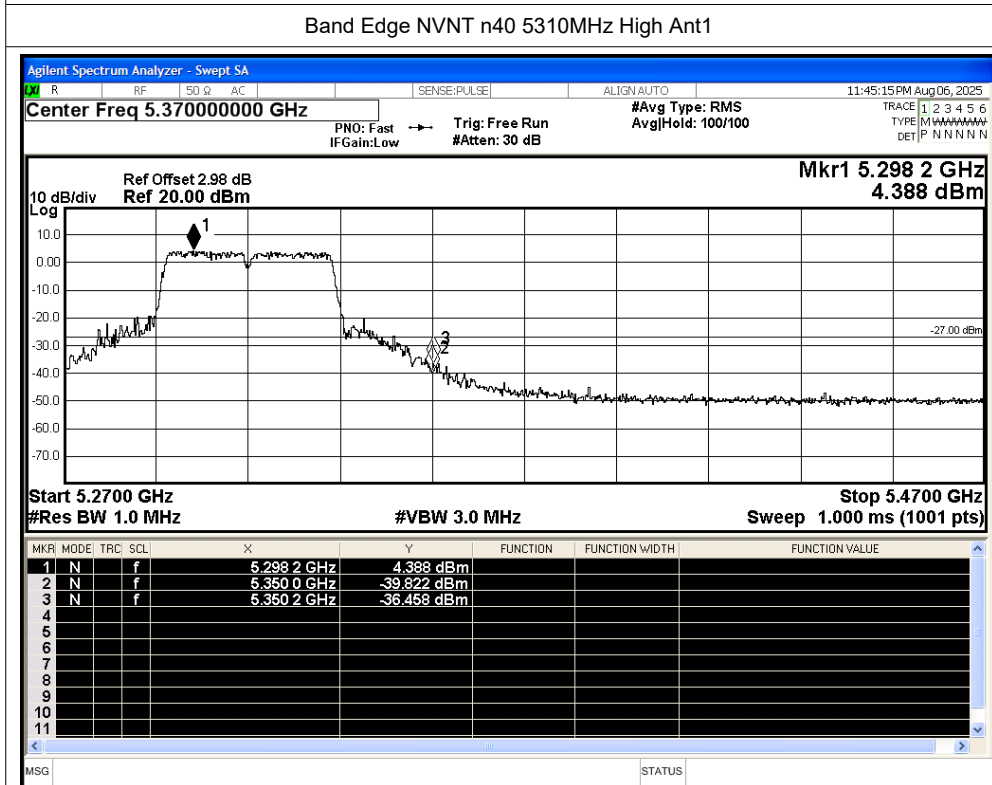
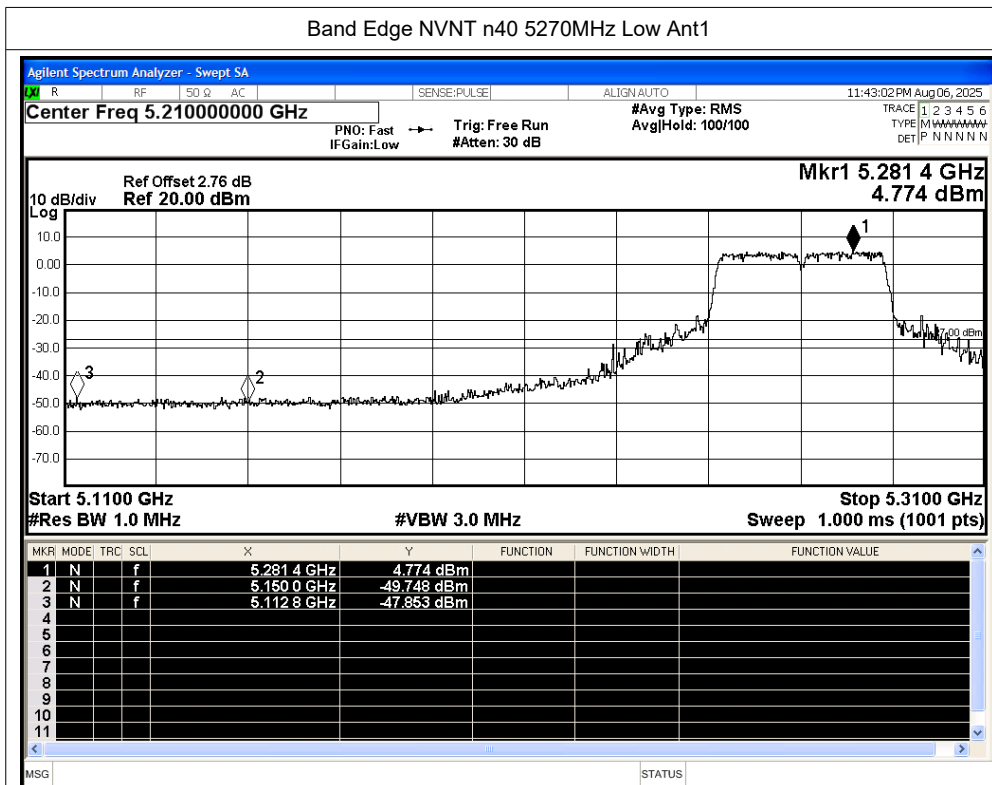
OBW NVNT ac80 5290MHz Ant1

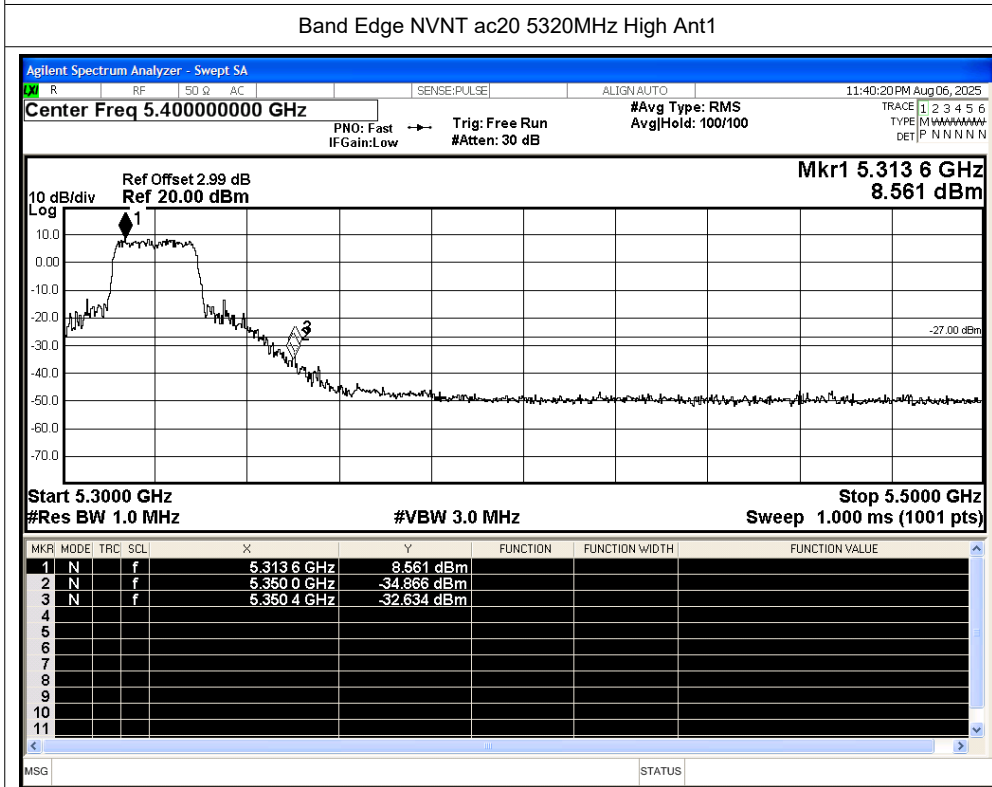
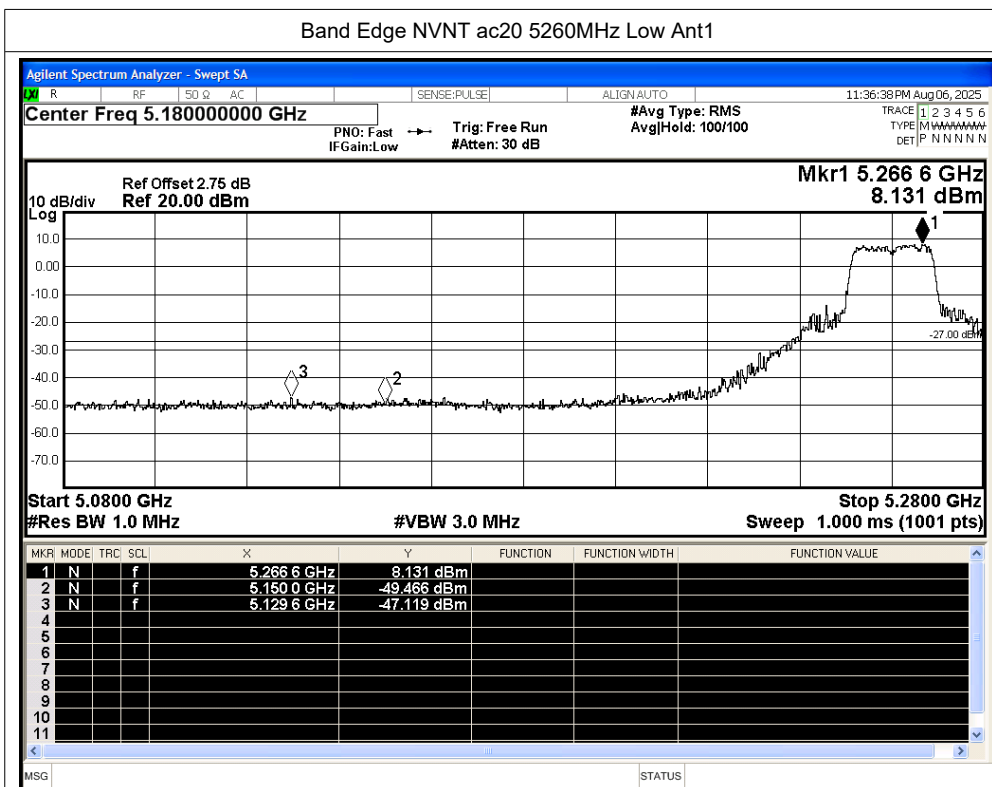


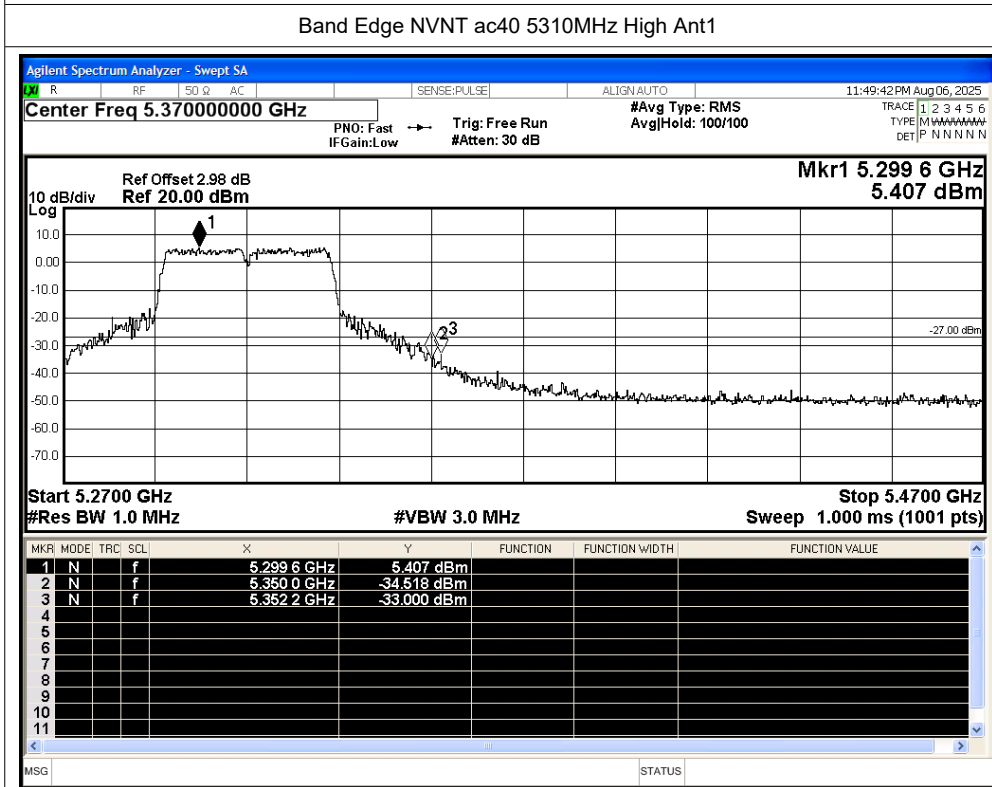
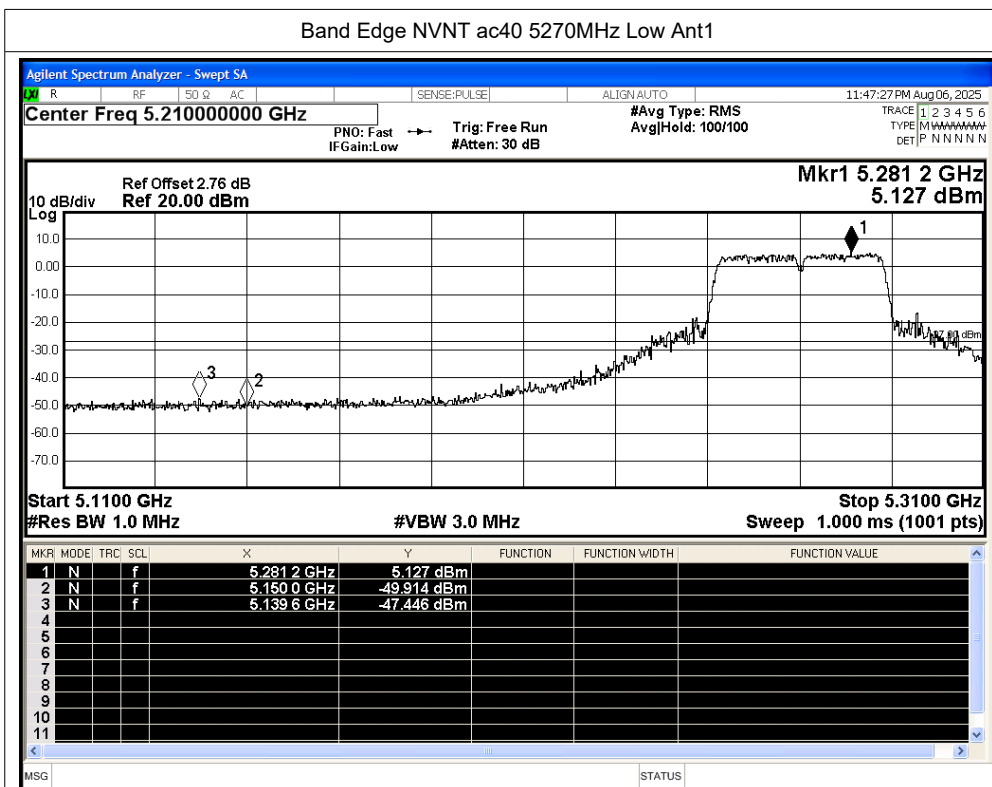
Band Edge

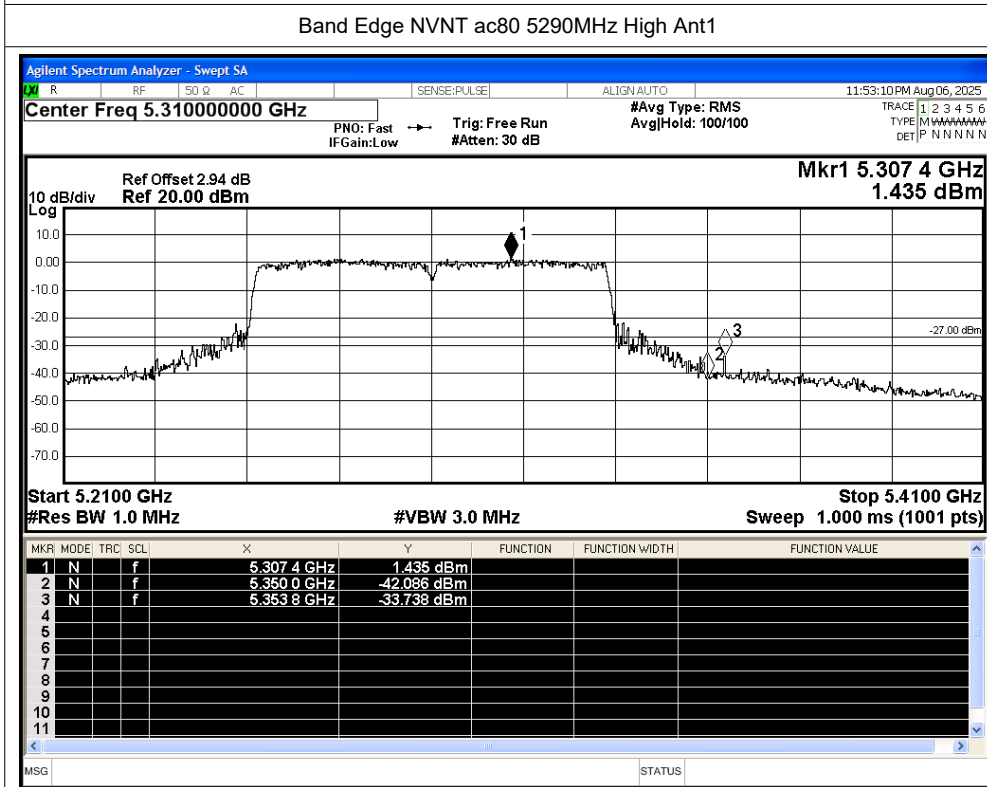
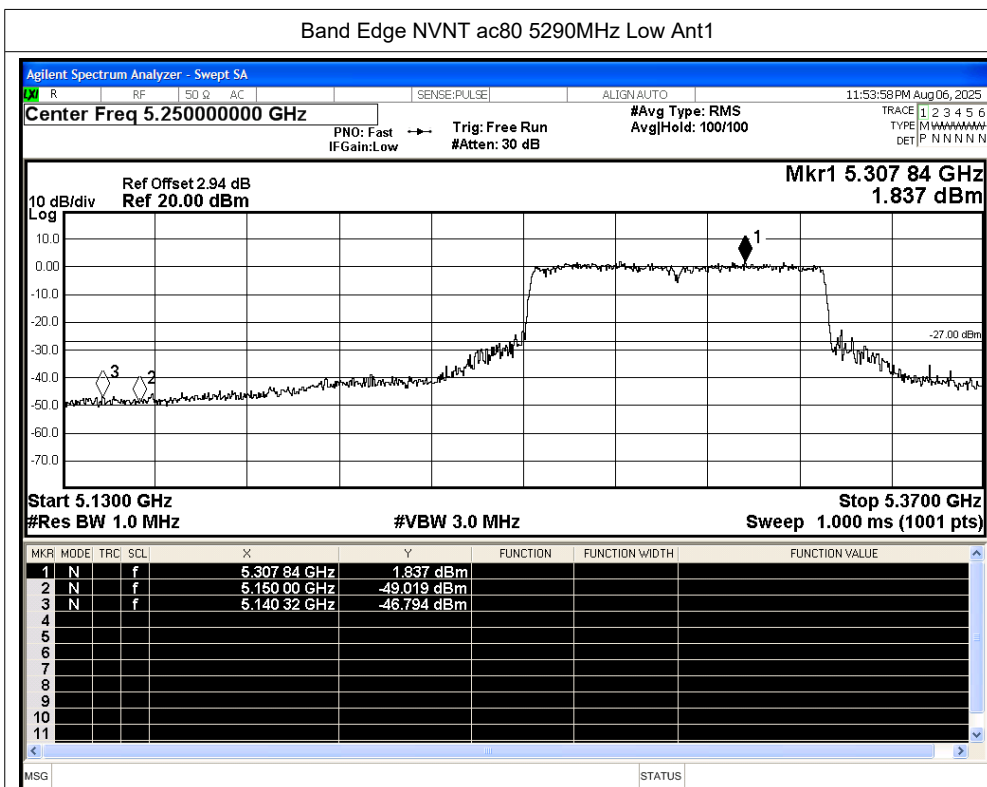
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-47.38	-27	Pass
NVNT	a	5320	Ant1	-33.5	-27	Pass
NVNT	n20	5260	Ant1	-47.04	-27	Pass
NVNT	n20	5320	Ant1	-30.35	-27	Pass
NVNT	n40	5270	Ant1	-47.85	-27	Pass
NVNT	n40	5310	Ant1	-36.46	-27	Pass
NVNT	ac20	5260	Ant1	-47.12	-27	Pass
NVNT	ac20	5320	Ant1	-32.63	-27	Pass
NVNT	ac40	5270	Ant1	-47.45	-27	Pass
NVNT	ac40	5310	Ant1	-33	-27	Pass
NVNT	ac80	5290	Ant1	-46.79	-27	Pass
NVNT	ac80	5290	Ant1	-33.74	-27	Pass







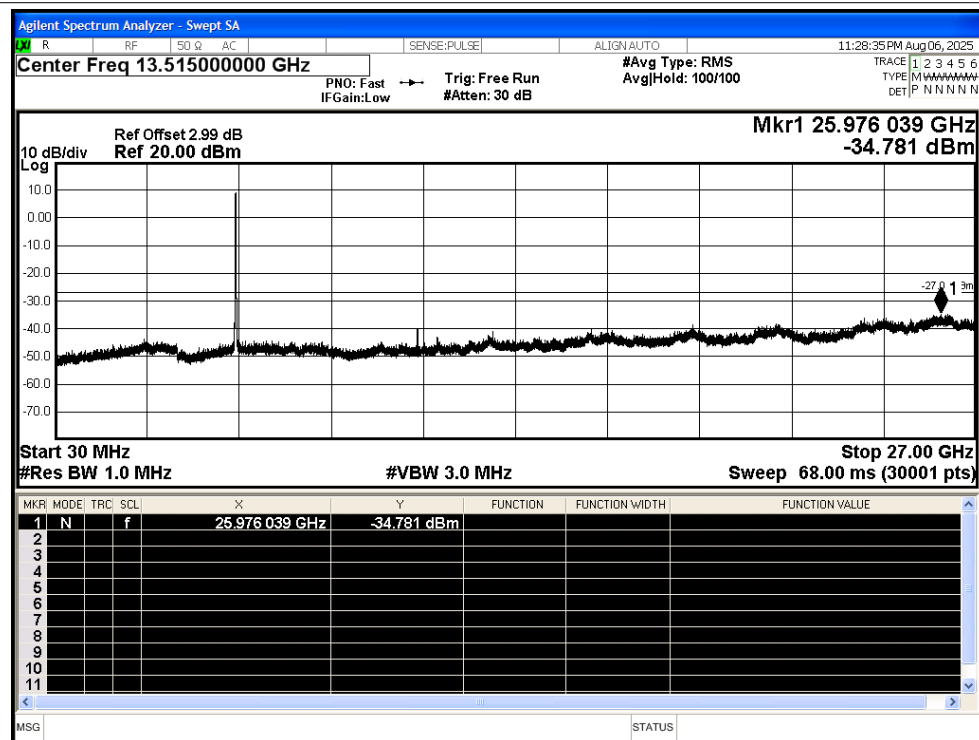




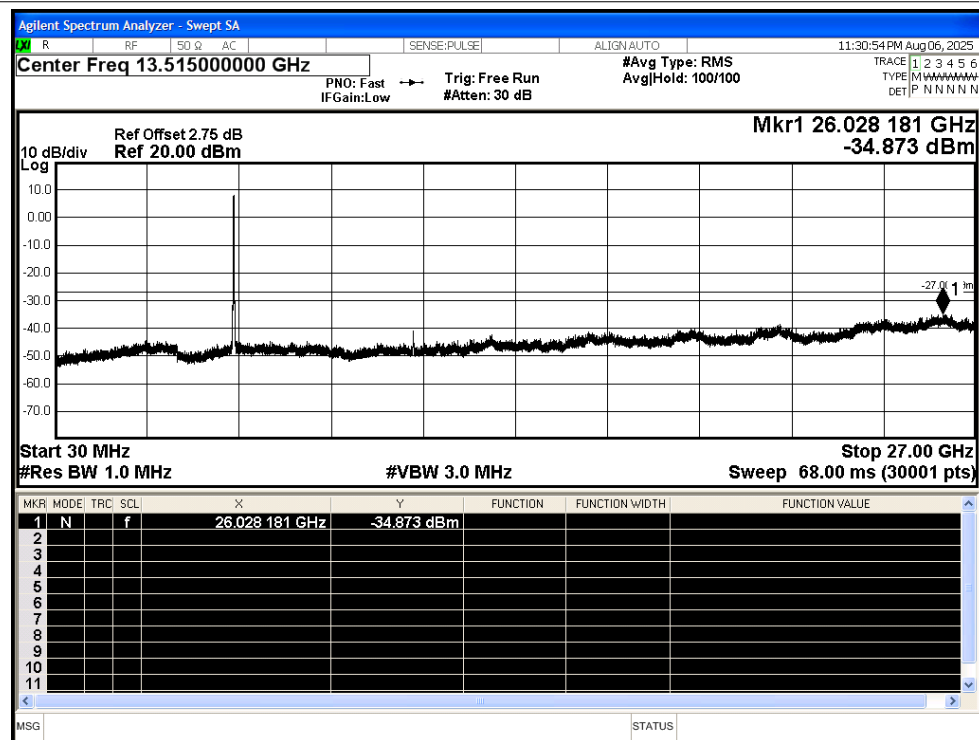
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-33.995	-27	Pass
NVNT	a	5300	Ant1	-34.103	-27	Pass
NVNT	a	5320	Ant1	-34.781	-27	Pass
NVNT	n20	5260	Ant1	-34.873	-27	Pass
NVNT	n20	5300	Ant1	-33.71	-27	Pass
NVNT	n20	5320	Ant1	-33.607	-27	Pass
NVNT	n40	5270	Ant1	-34.888	-27	Pass
NVNT	n40	5310	Ant1	-34.914	-27	Pass
NVNT	ac20	5260	Ant1	-35.04	-27	Pass
NVNT	ac20	5300	Ant1	-34.966	-27	Pass
NVNT	ac20	5320	Ant1	-35.091	-27	Pass
NVNT	ac40	5270	Ant1	-34.729	-27	Pass
NVNT	ac40	5310	Ant1	-34.466	-27	Pass
NVNT	ac80	5290	Ant1	-34.169	-27	Pass

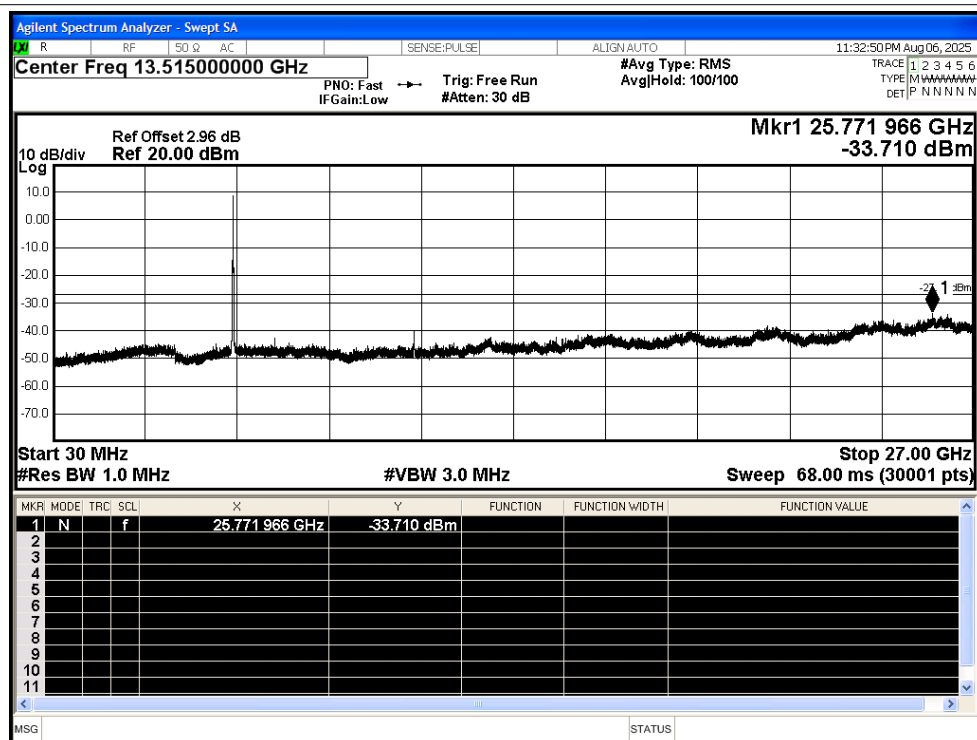
Tx. Spurious NVNT a 5320MHz Ant1 Emission



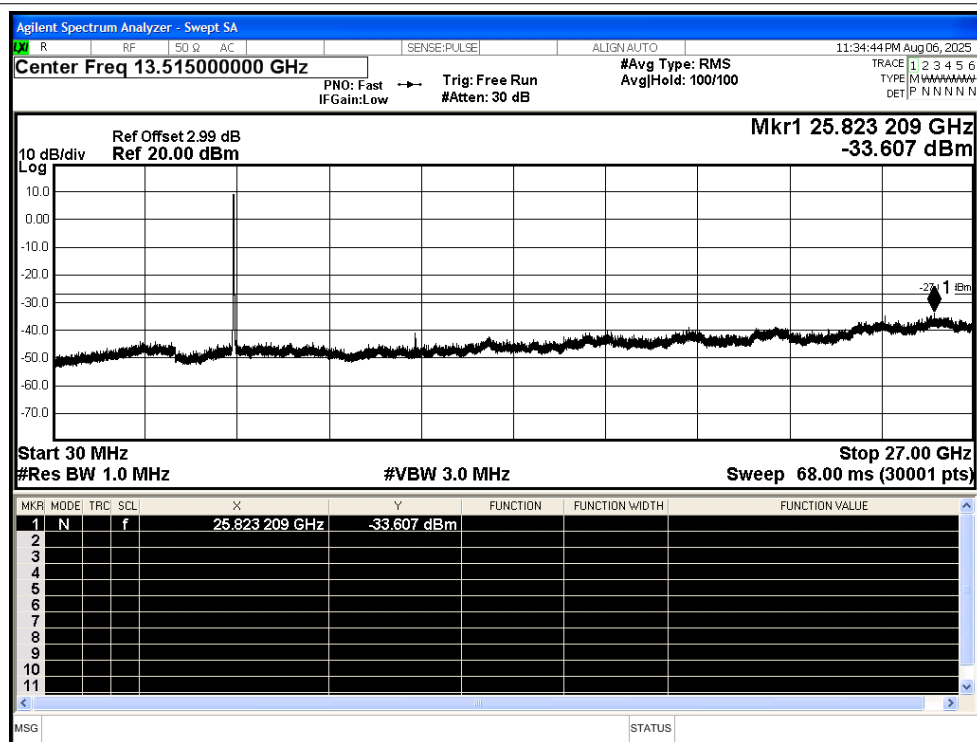
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



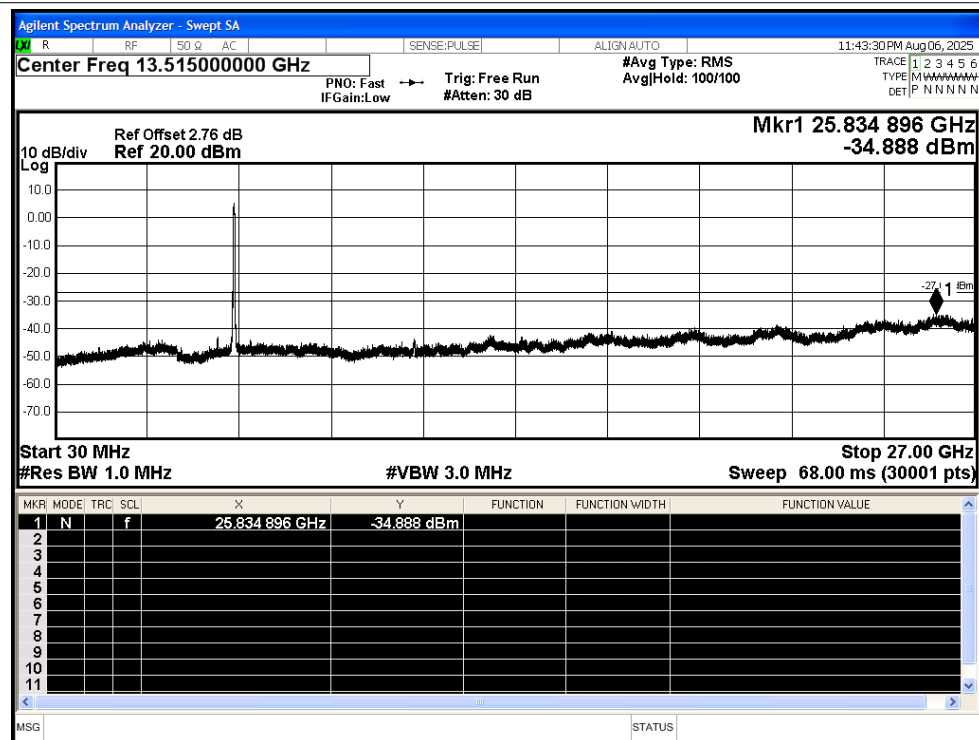
Tx. Spurious NVNT n20 5300MHz Ant1 Emission



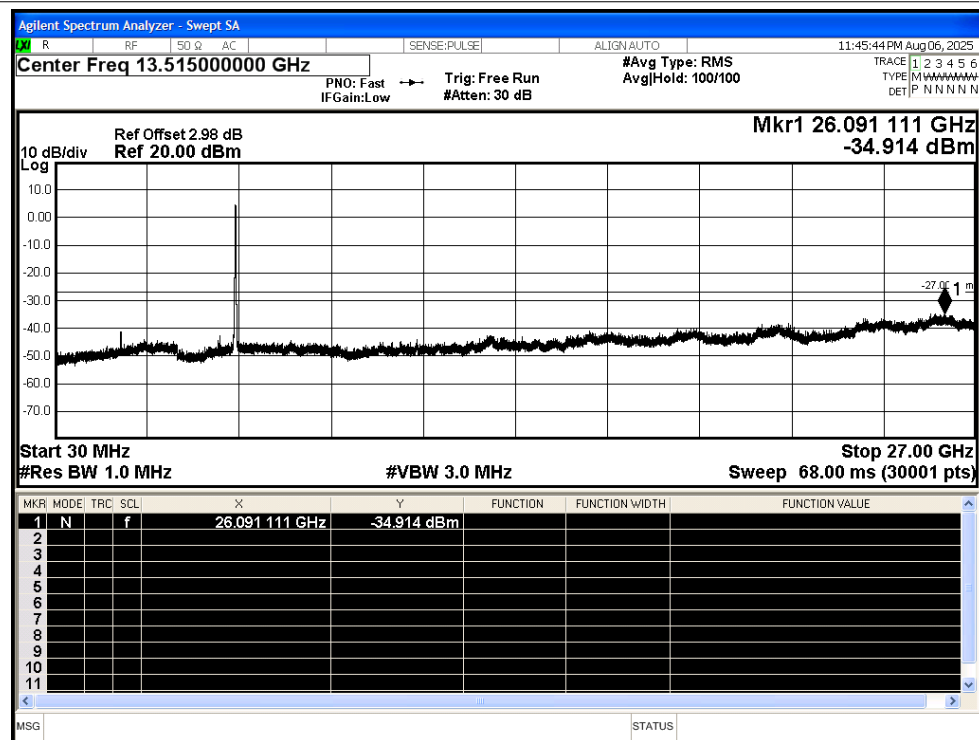
Tx. Spurious NVNT n20 5320MHz Ant1 Emission

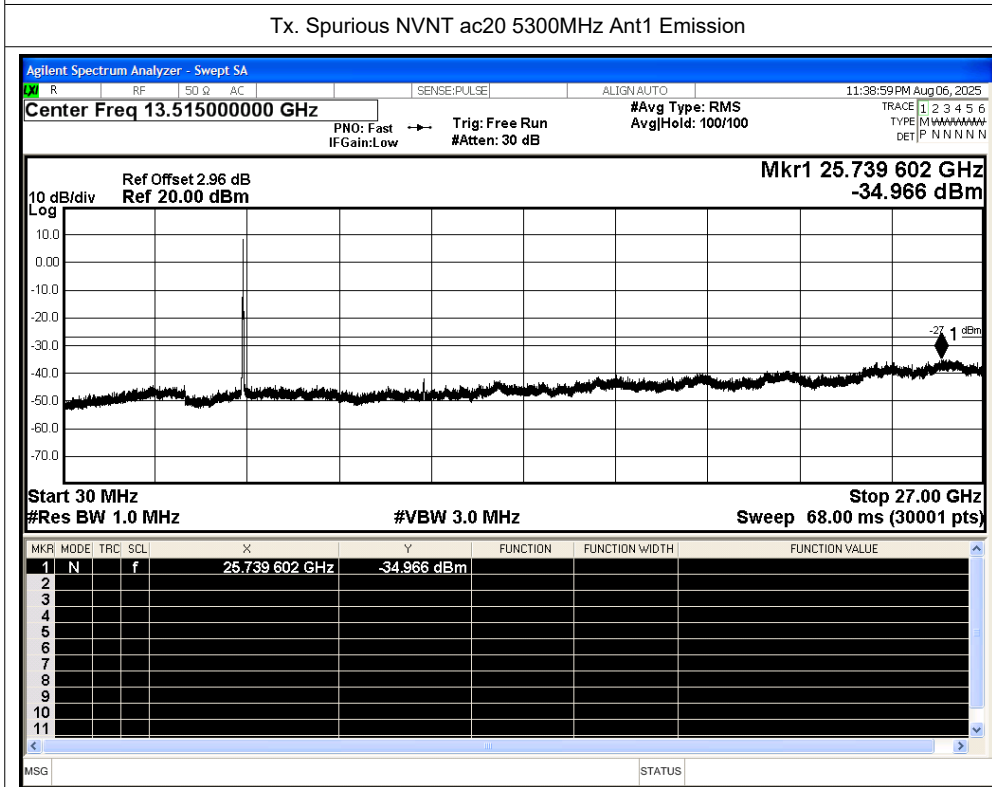
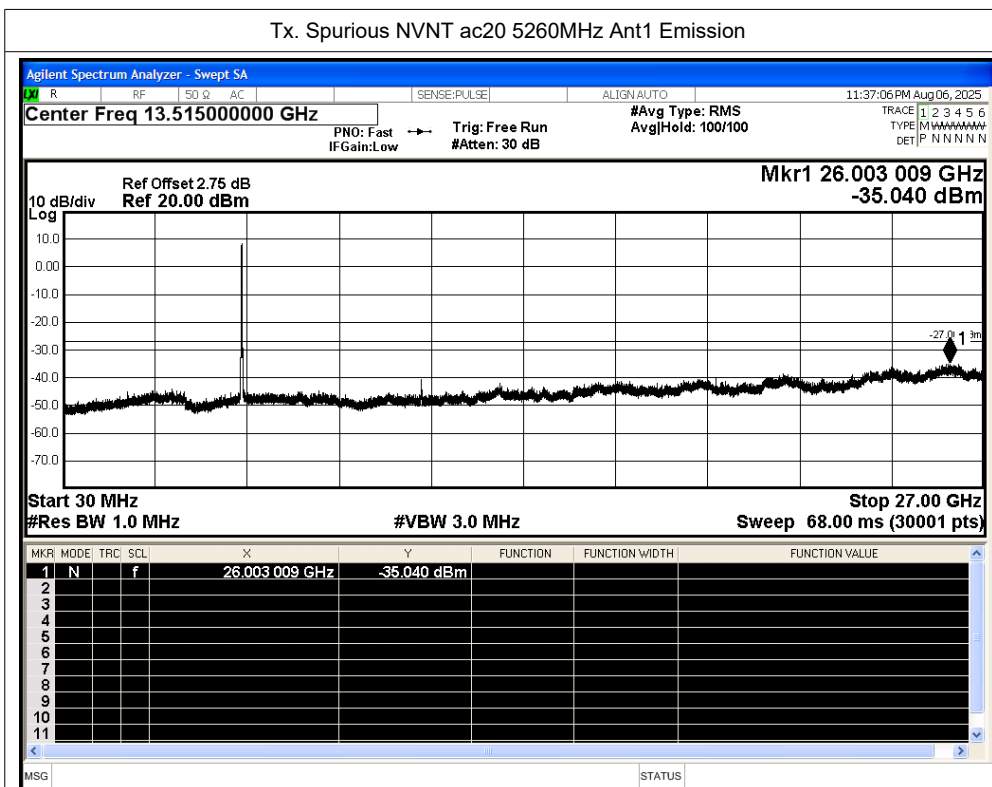


Tx. Spurious NVNT n40 5270MHz Ant1 Emission

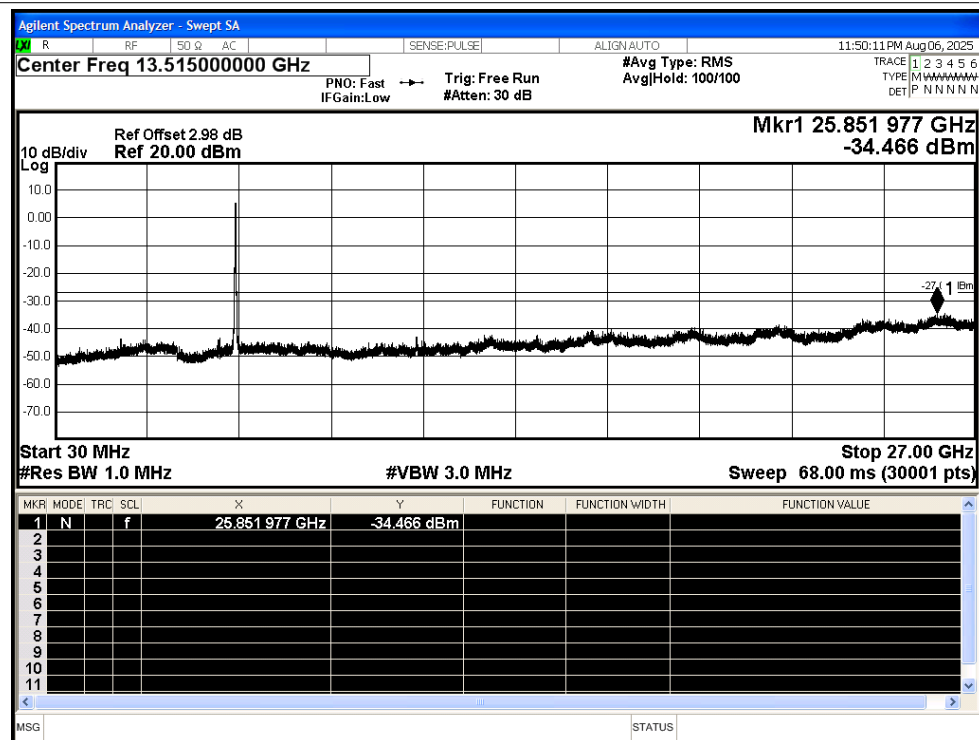


Tx. Spurious NVNT n40 5310MHz Ant1 Emission

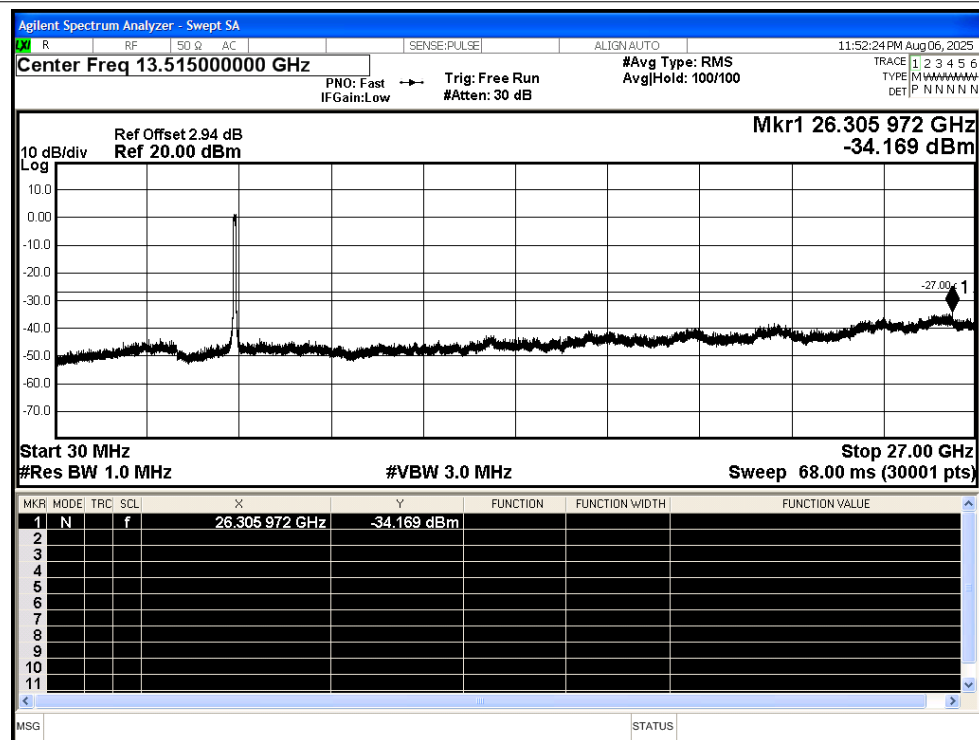




Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



Tx. Spurious NVNT ac80 5290MHz Ant1 Emission

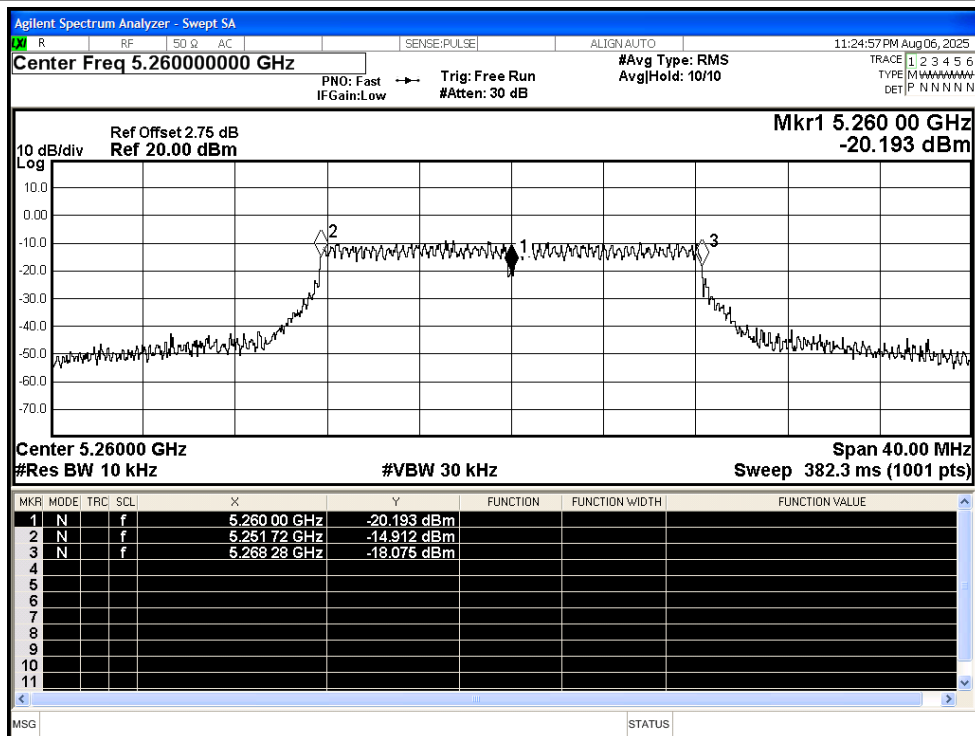


Frequency Stability

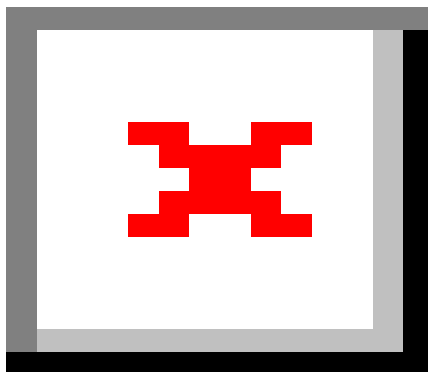
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5260	Ant1	5260	0	0	25	Pass
NVNT	a	5300	Ant1	5299.98	-20000	-3.77	25	Pass
NVNT	a	5320	Ant1	5320	0	0	25	Pass
NVNT	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
NVNT	n20	5300	Ant1	5299.98	-20000	-3.77	25	Pass
NVNT	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NVNT	n40	5270	Ant1	5270	0	0	25	Pass
NVNT	n40	5310	Ant1	5310	0	0	25	Pass
NVNT	ac20	5260	Ant1	5260	0	0	25	Pass
NVNT	ac20	5300	Ant1	5300	0	0	25	Pass
NVNT	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NVNT	ac40	5270	Ant1	5270	0	0	25	Pass
NVNT	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
NVNT	ac80	5290	Ant1	5290	0	0	25	Pass

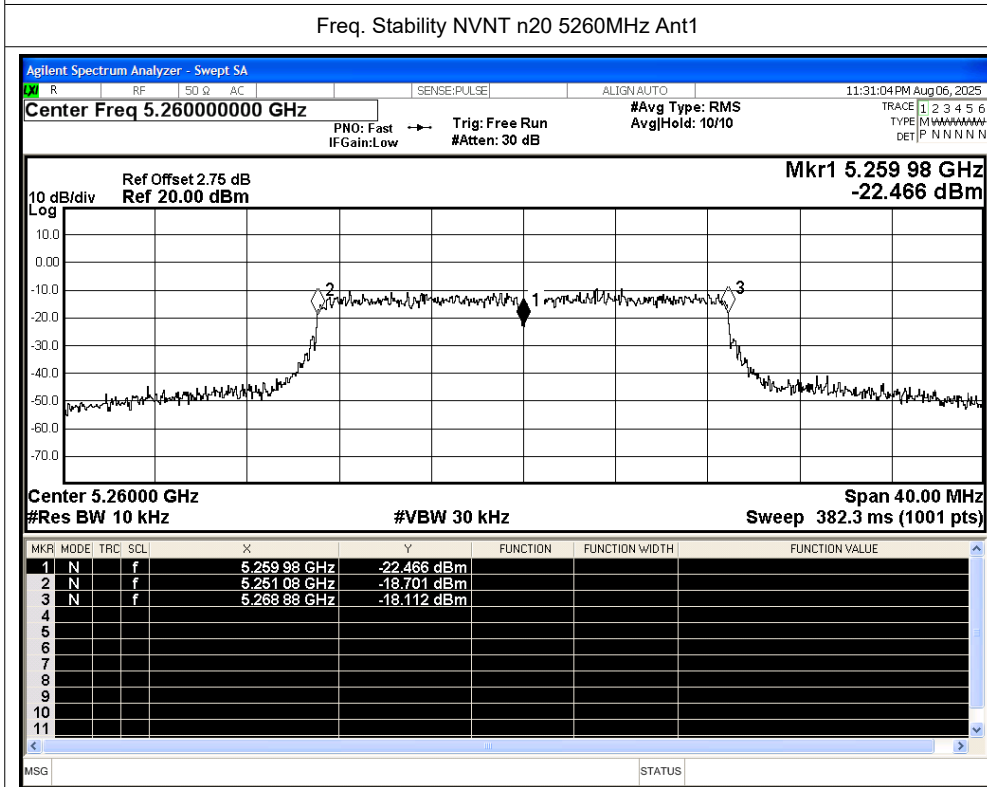
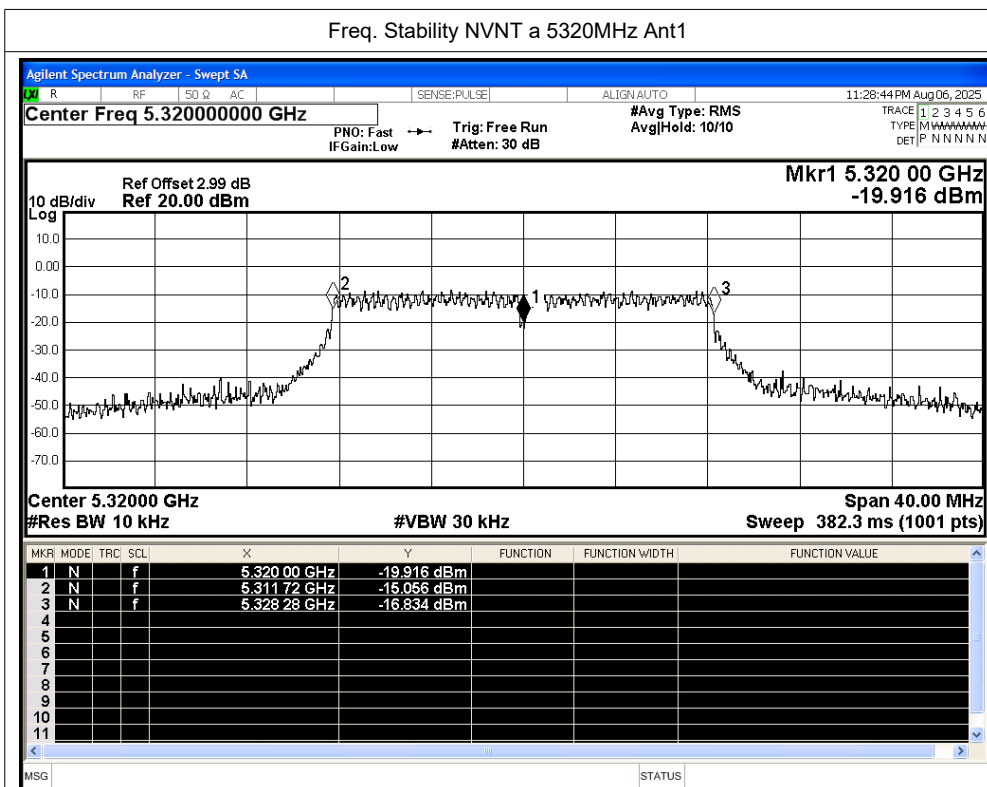
Test Graphs

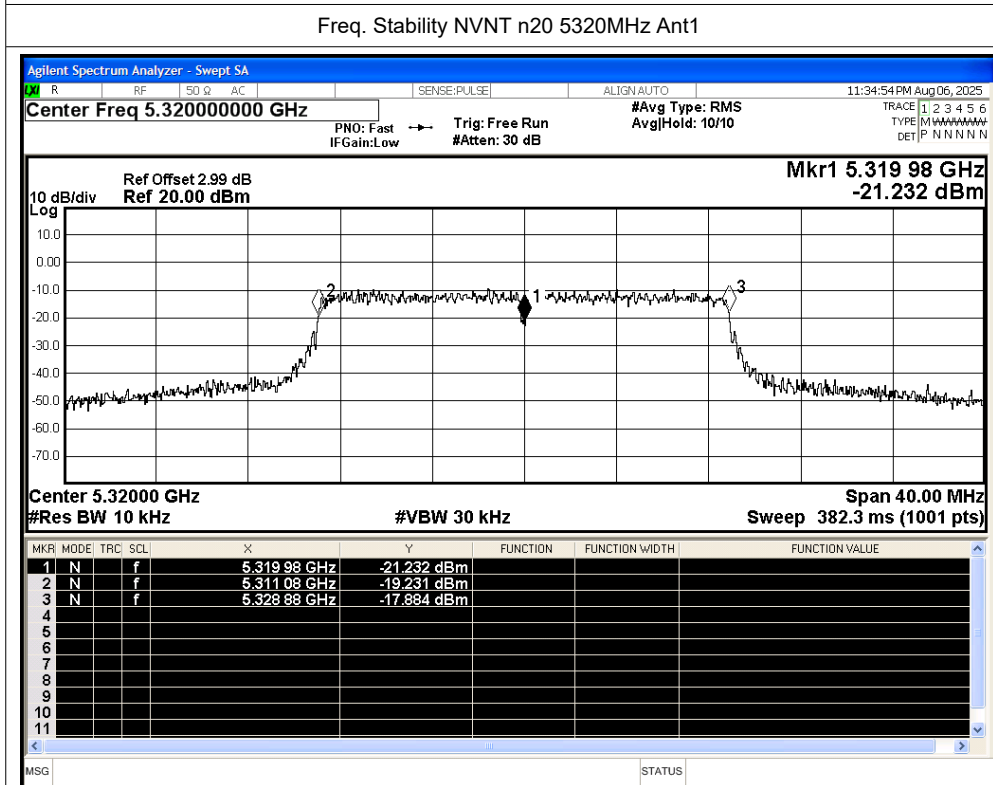
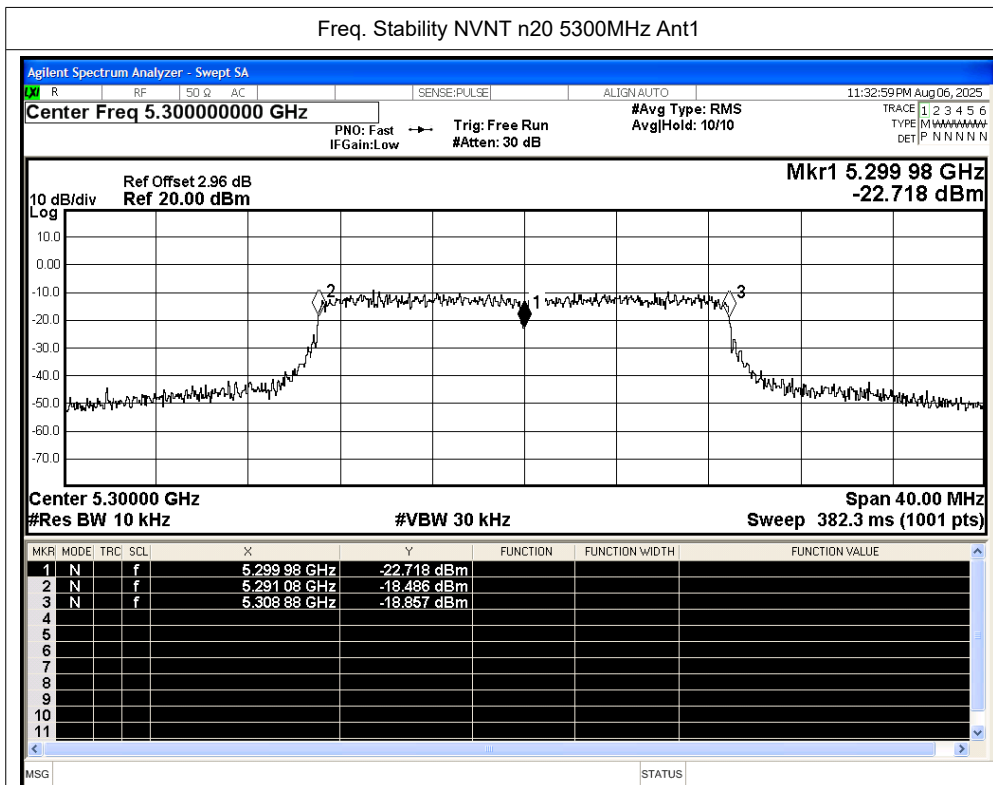
Freq. Stability NVNT a 5260MHz Ant1

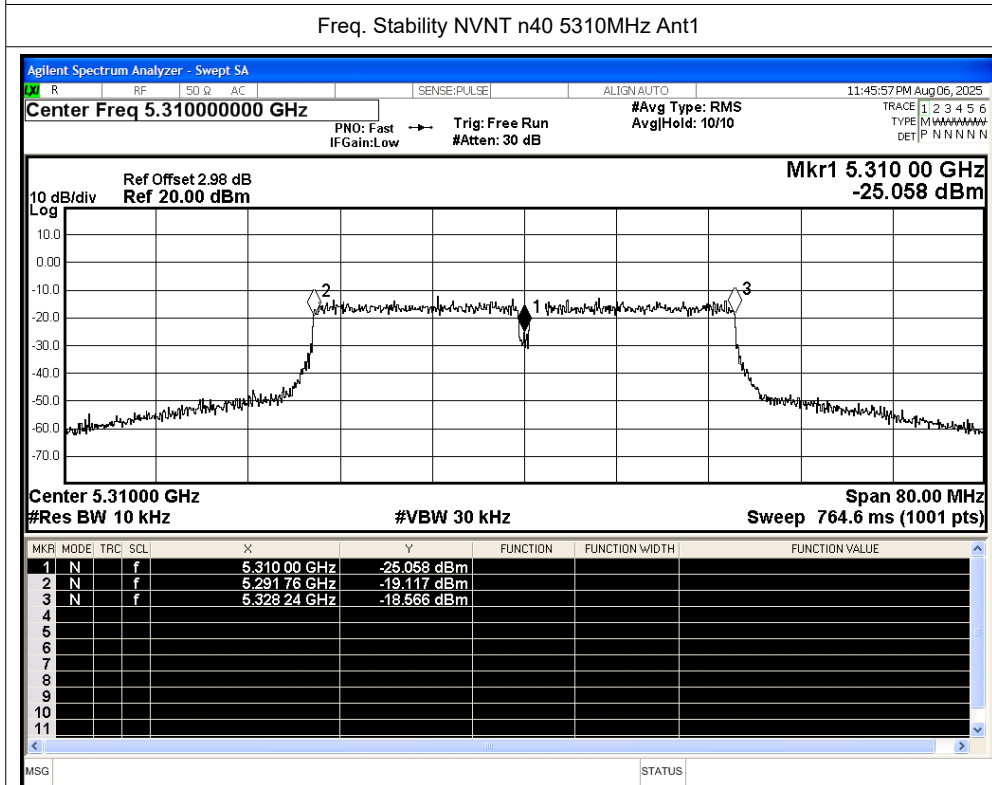
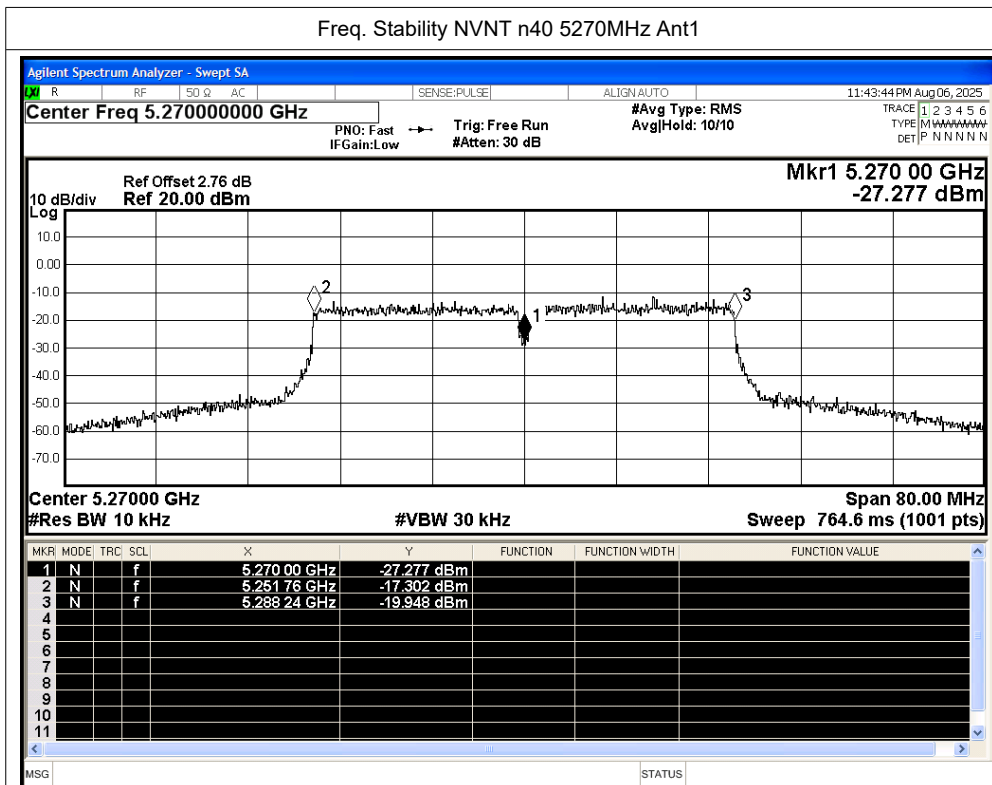


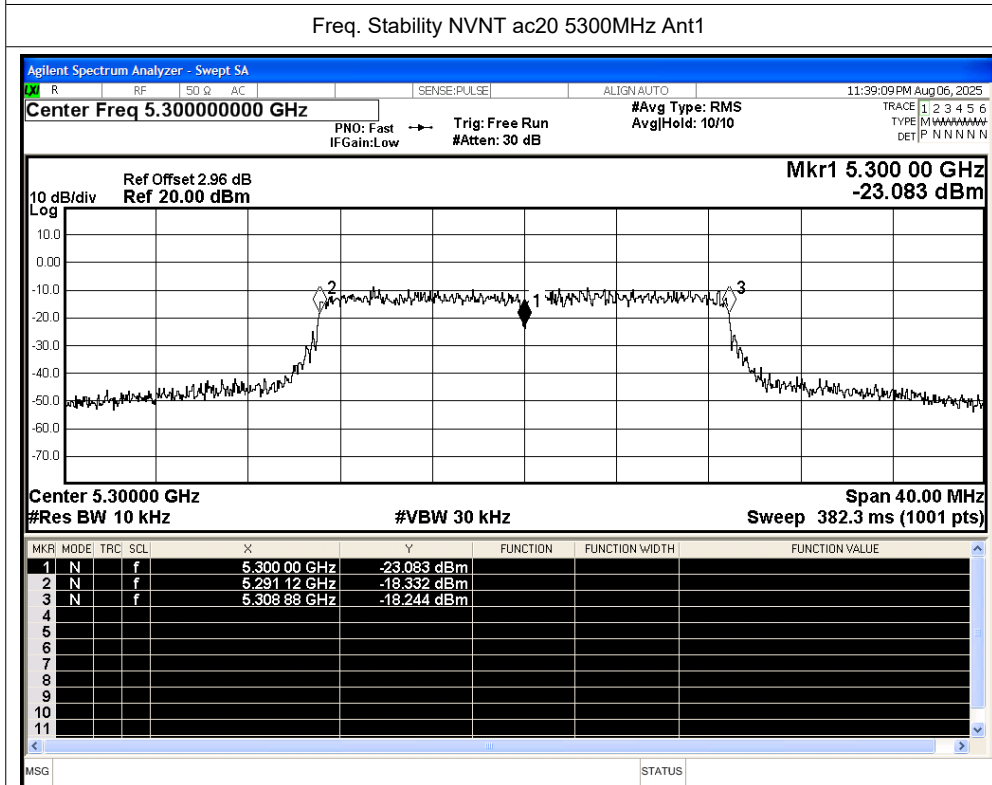
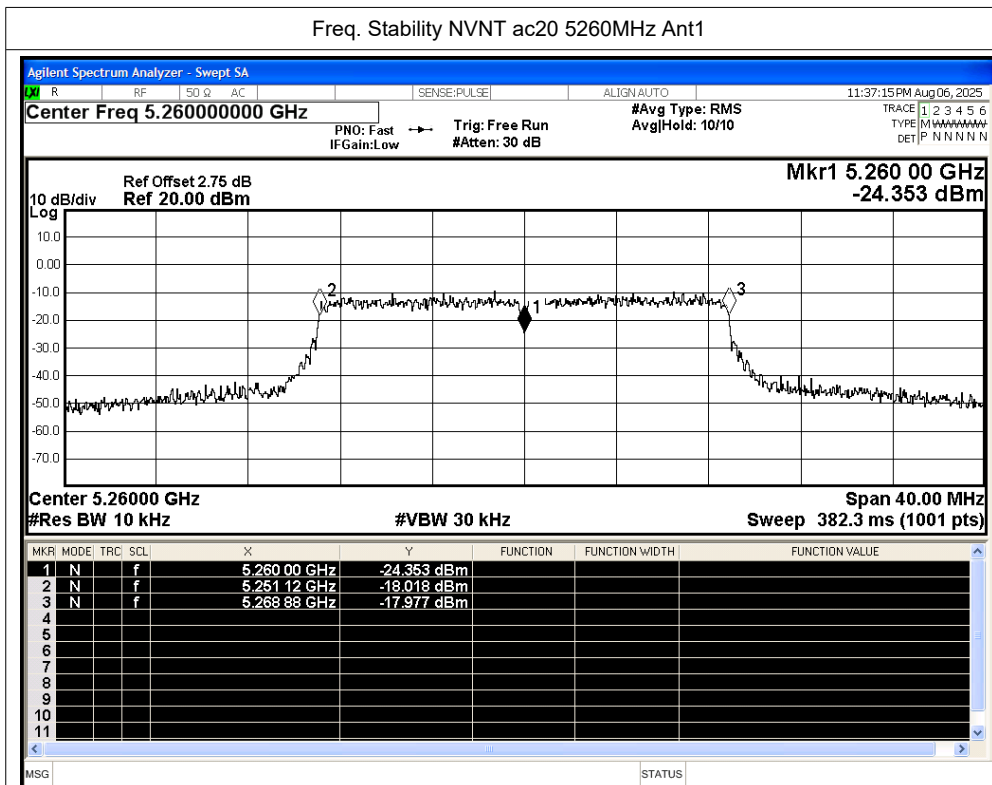
Freq. Stability NVNT a 5300MHz Ant1

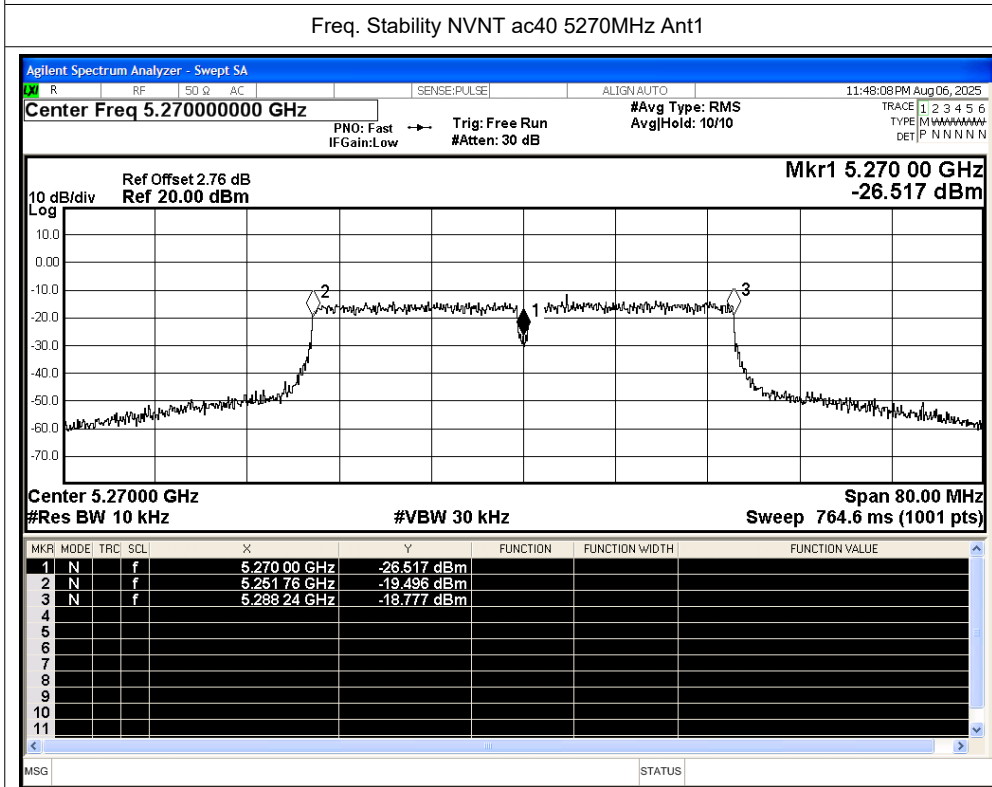
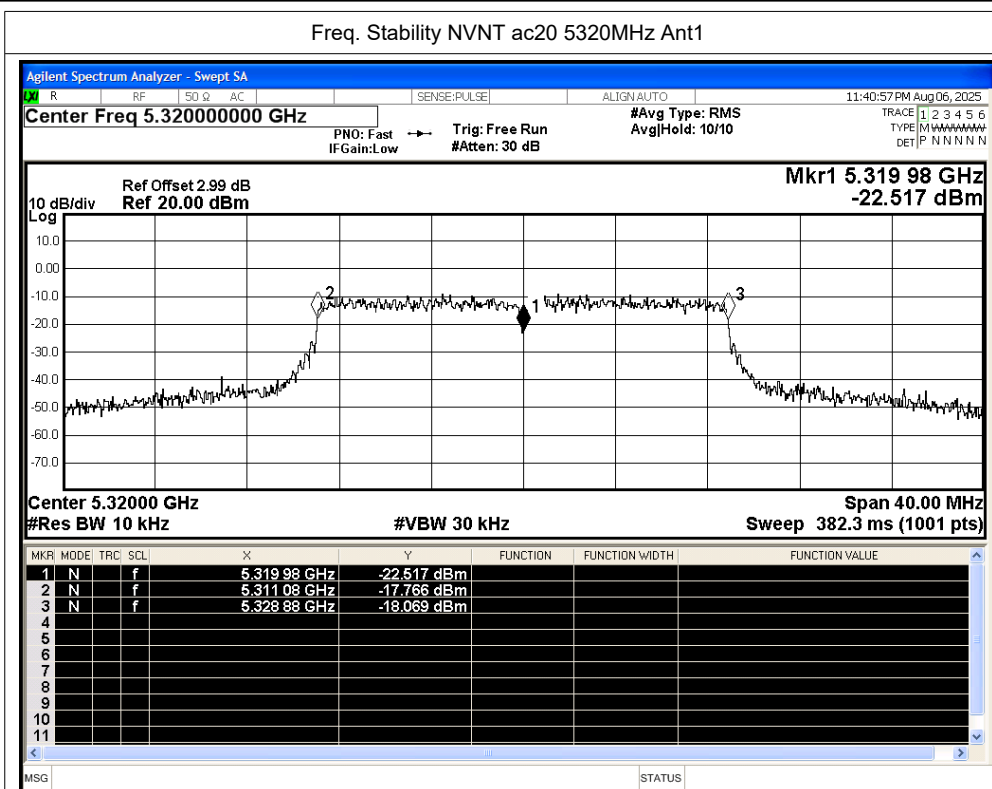




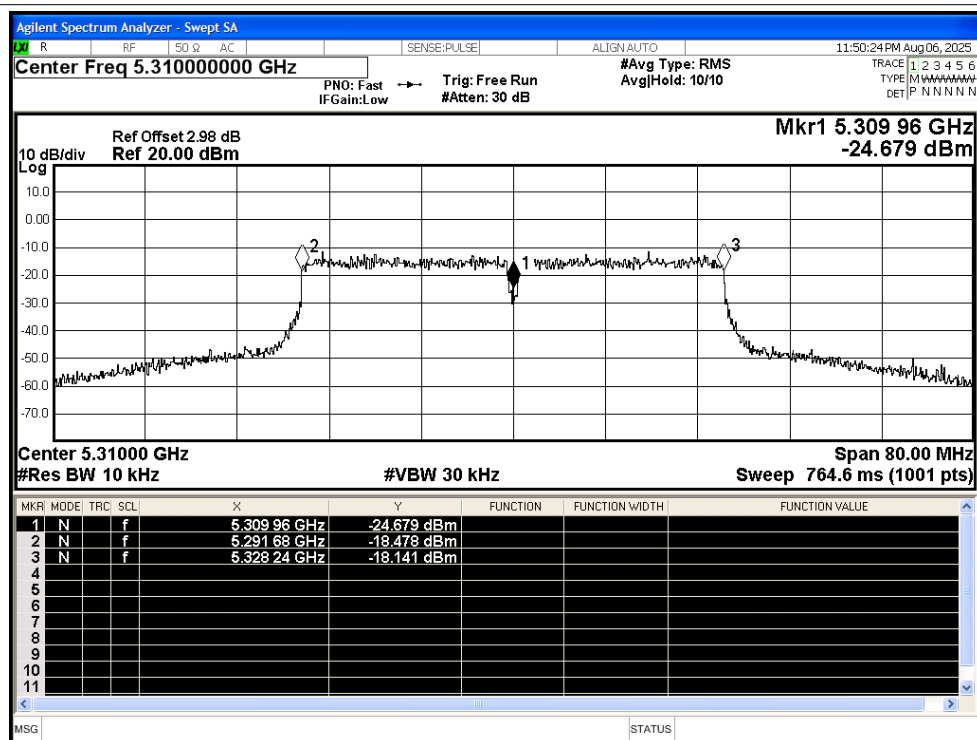




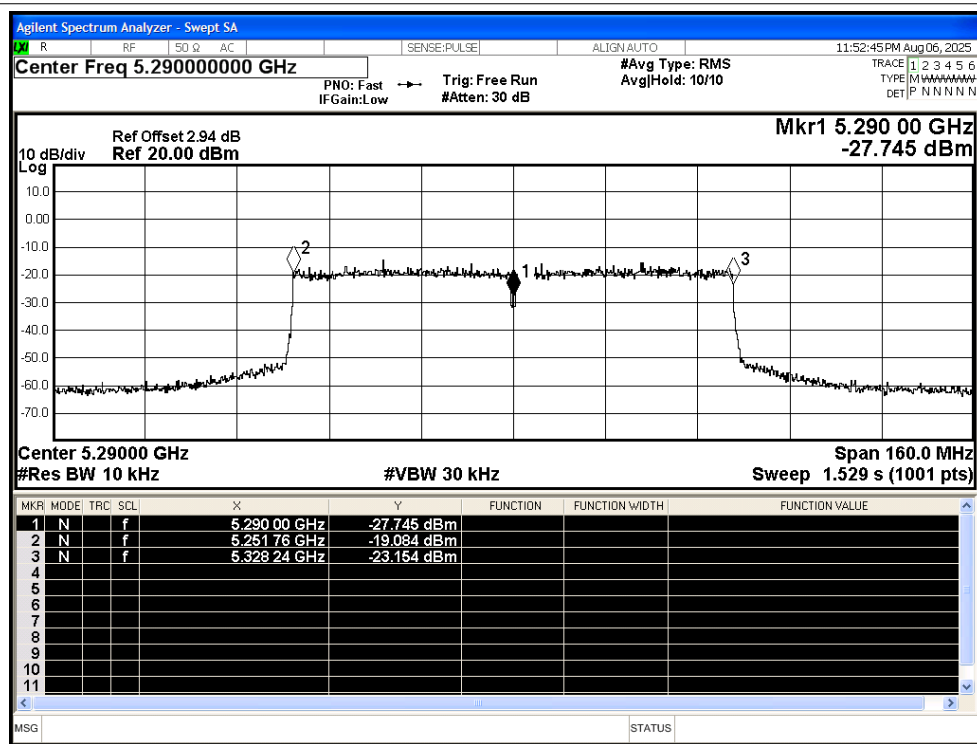




Freq. Stability NVNT ac40 5310MHz Ant1



Freq. Stability NVNT ac80 5290MHz Ant1



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