

Appendix RF test data for WIFI5G_UNII band 2C

Product Name: Smart Battery Camera

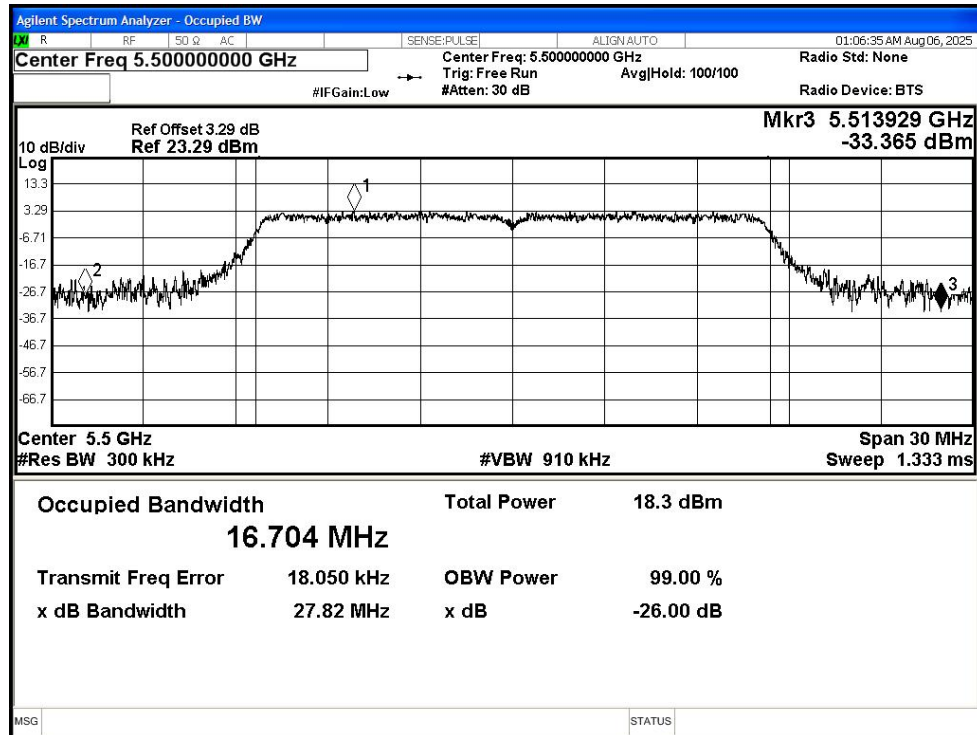
Test Model: Q12

-26dB Bandwidth

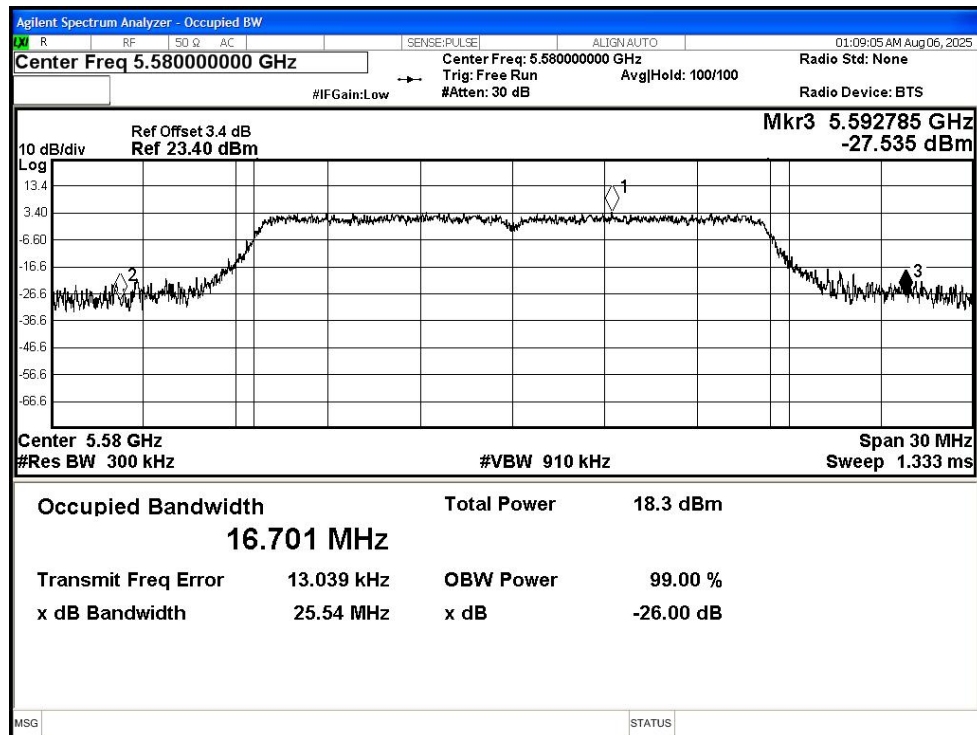
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	27.823	---	Pass
NVNT	a	5580	Ant1	25.544	---	Pass
NVNT	a	5700	Ant1	29.34	---	Pass
NVNT	n20	5500	Ant1	26.651	---	Pass
NVNT	n20	5580	Ant1	26.022	---	Pass
NVNT	n20	5700	Ant1	29.674	---	Pass
NVNT	n40	5510	Ant1	53.228	---	Pass
NVNT	n40	5550	Ant1	48.761	---	Pass
NVNT	n40	5670	Ant1	52.4	---	Pass
NVNT	ac20	5500	Ant1	28.773	---	Pass
NVNT	ac20	5580	Ant1	27.925	---	Pass
NVNT	ac20	5700	Ant1	28.349	---	Pass
NVNT	ac40	5510	Ant1	52.136	---	Pass
NVNT	ac40	5550	Ant1	48.131	---	Pass
NVNT	ac40	5670	Ant1	44.527	---	Pass
NVNT	ax20	5500	Ant1	26.882	---	Pass
NVNT	ax20	5580	Ant1	28.07	---	Pass
NVNT	ax20	5700	Ant1	26.281	---	Pass
NVNT	ax40	5510	Ant1	48.397	---	Pass
NVNT	ax40	5550	Ant1	51.148	---	Pass
NVNT	ax40	5670	Ant1	53.3	---	Pass

Test Graphs

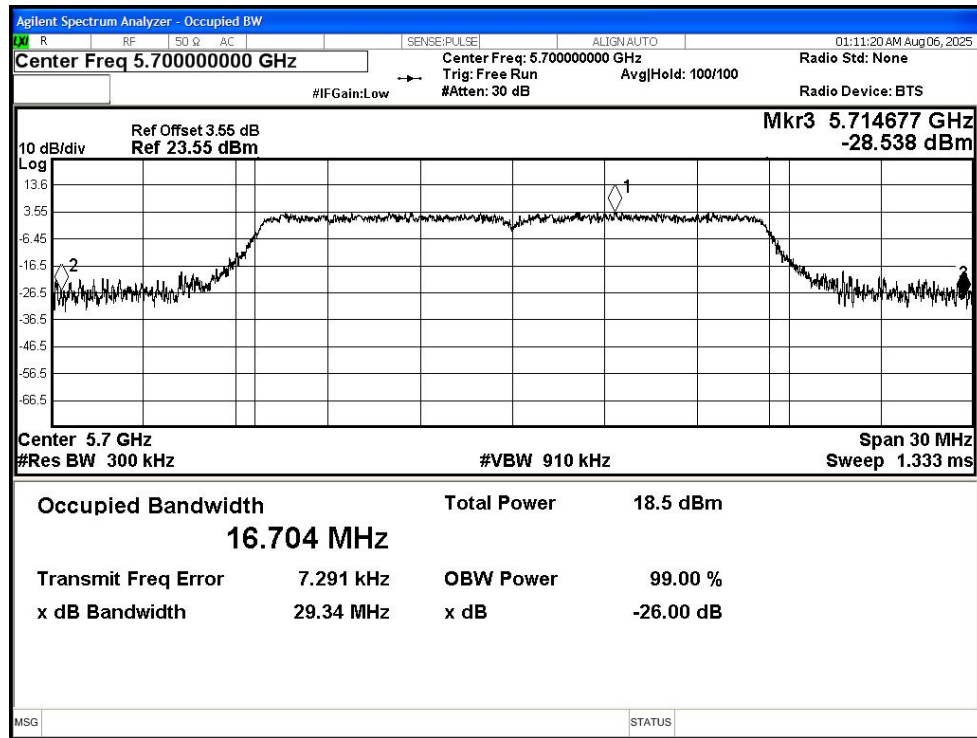
-26dB Bandwidth NVNT a 5500MHz Ant1



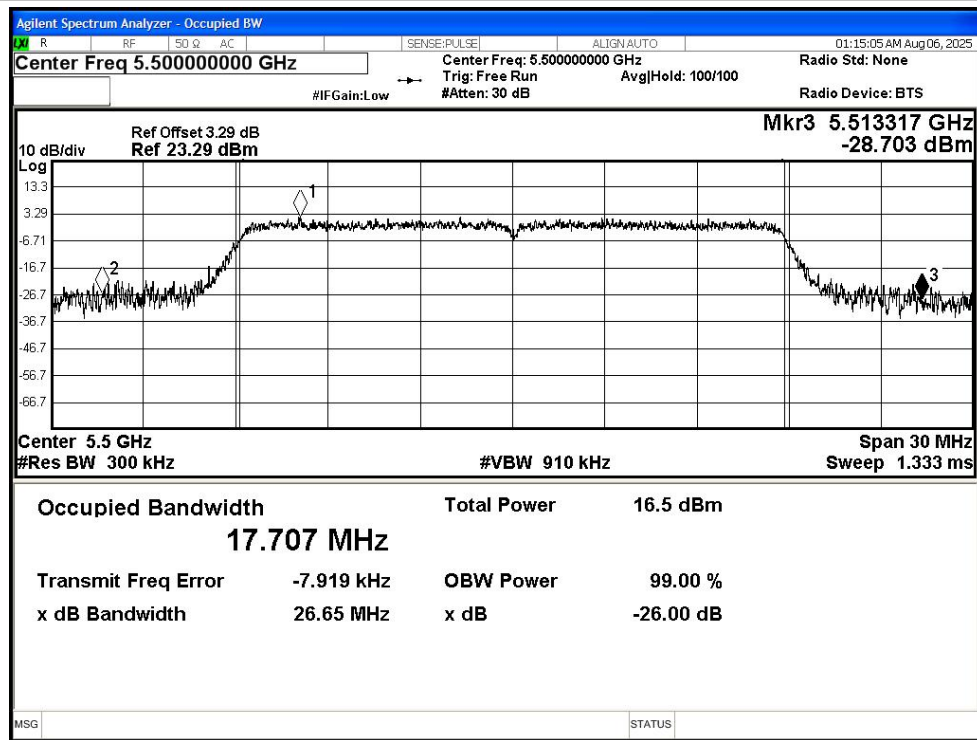
-26dB Bandwidth NVNT a 5580MHz Ant1



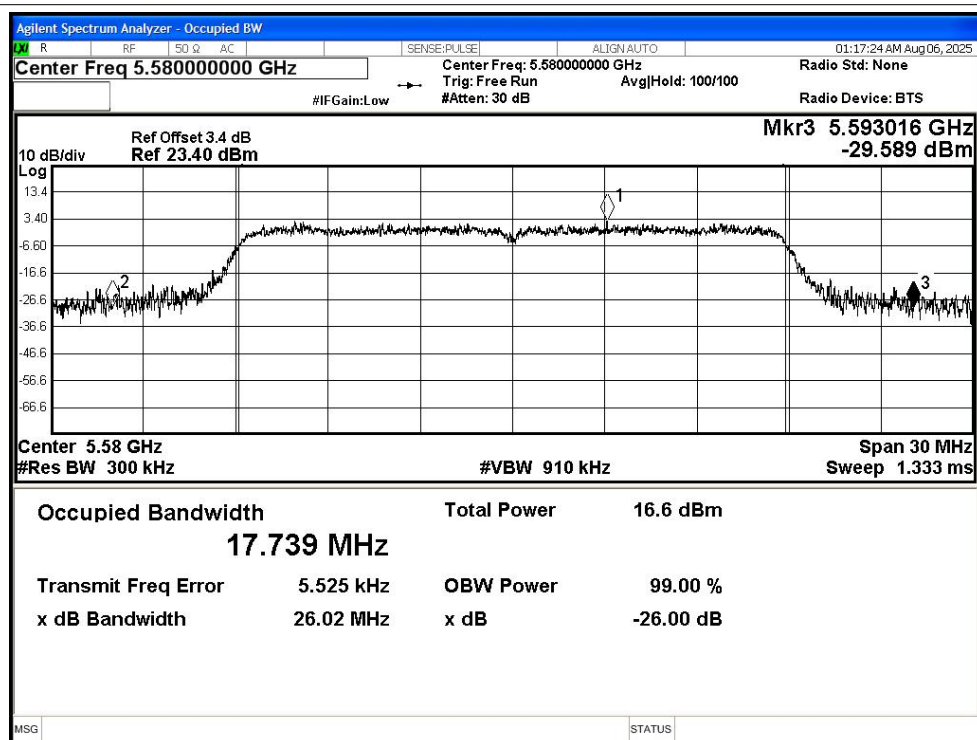
-26dB Bandwidth NVNT a 5700MHz Ant1



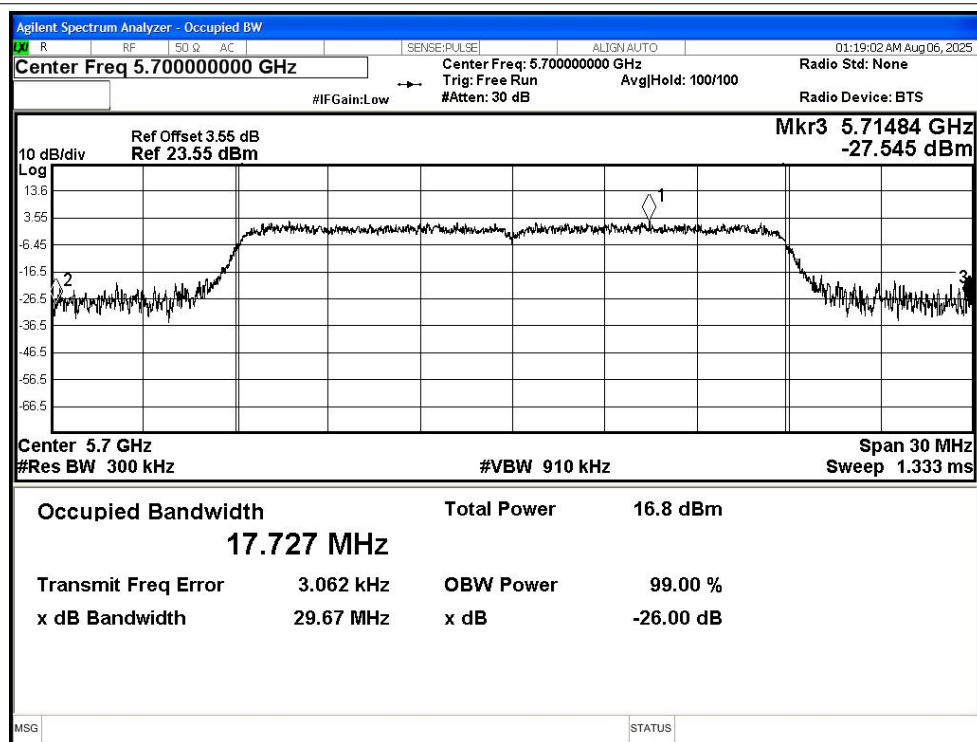
-26dB Bandwidth NVNT n20 5500MHz Ant1



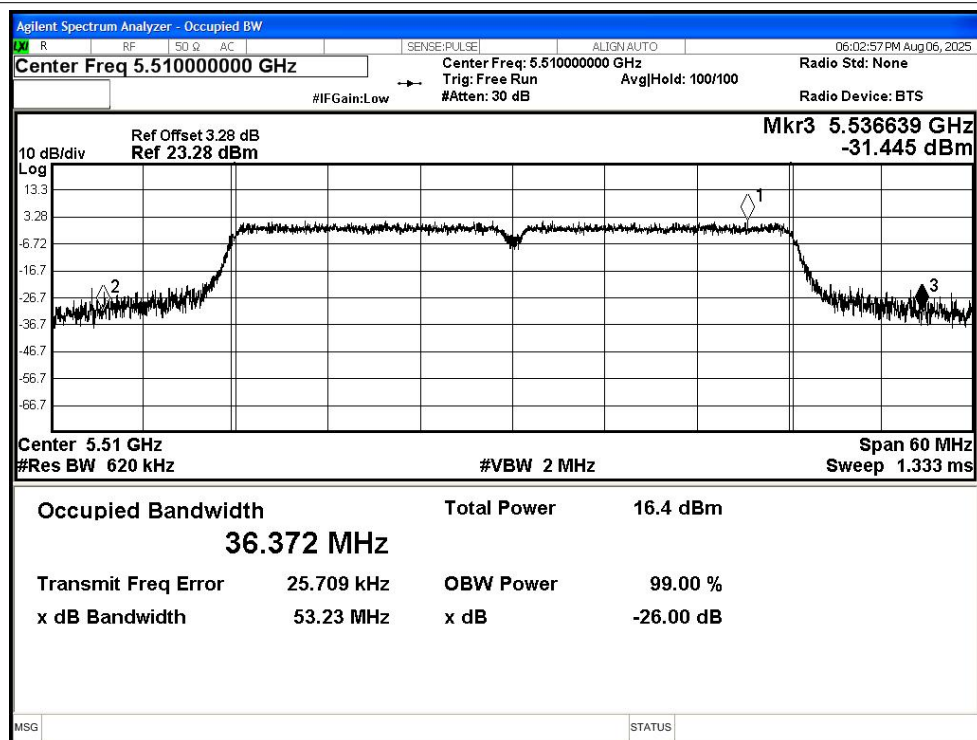
-26dB Bandwidth NVNT n20 5580MHz Ant1



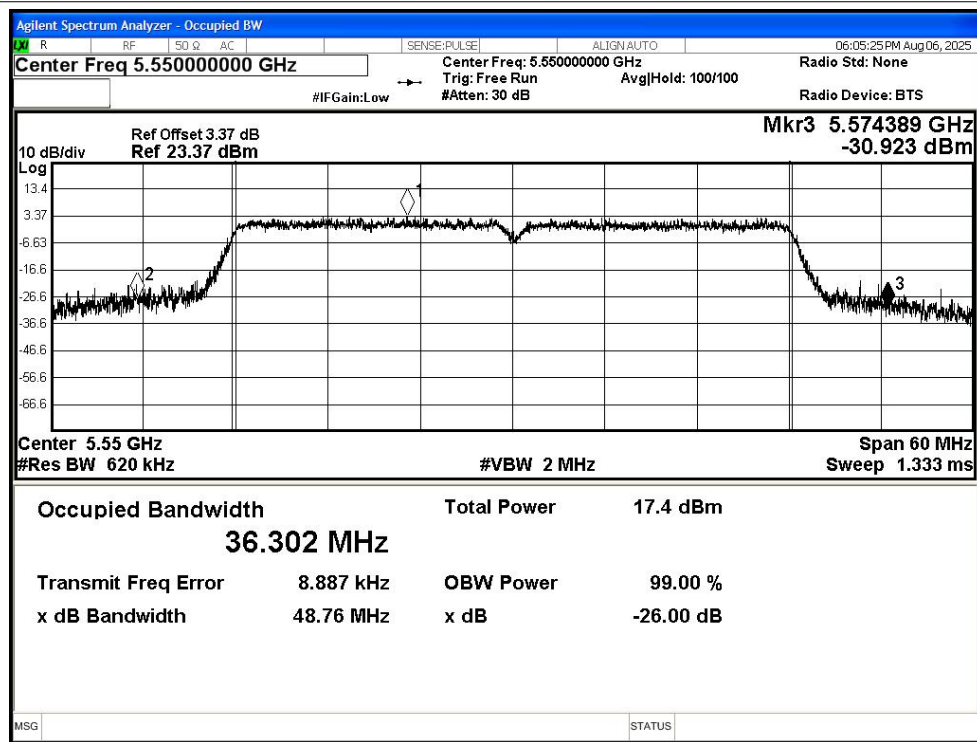
-26dB Bandwidth NVNT n20 5700MHz Ant1



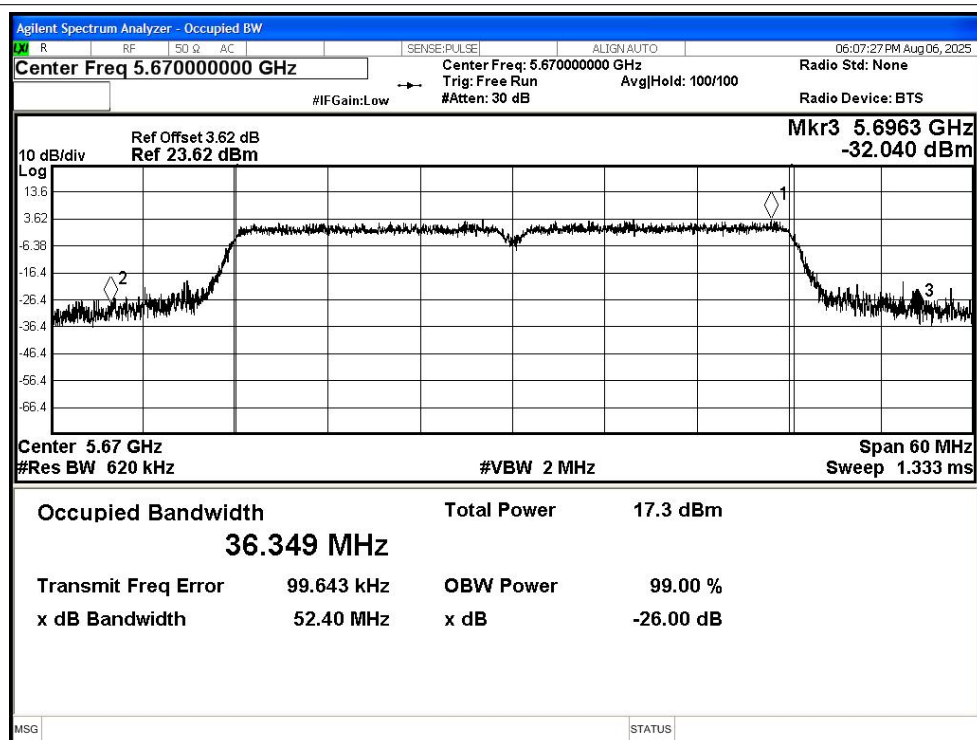
-26dB Bandwidth NVNT n40 5510MHz Ant1



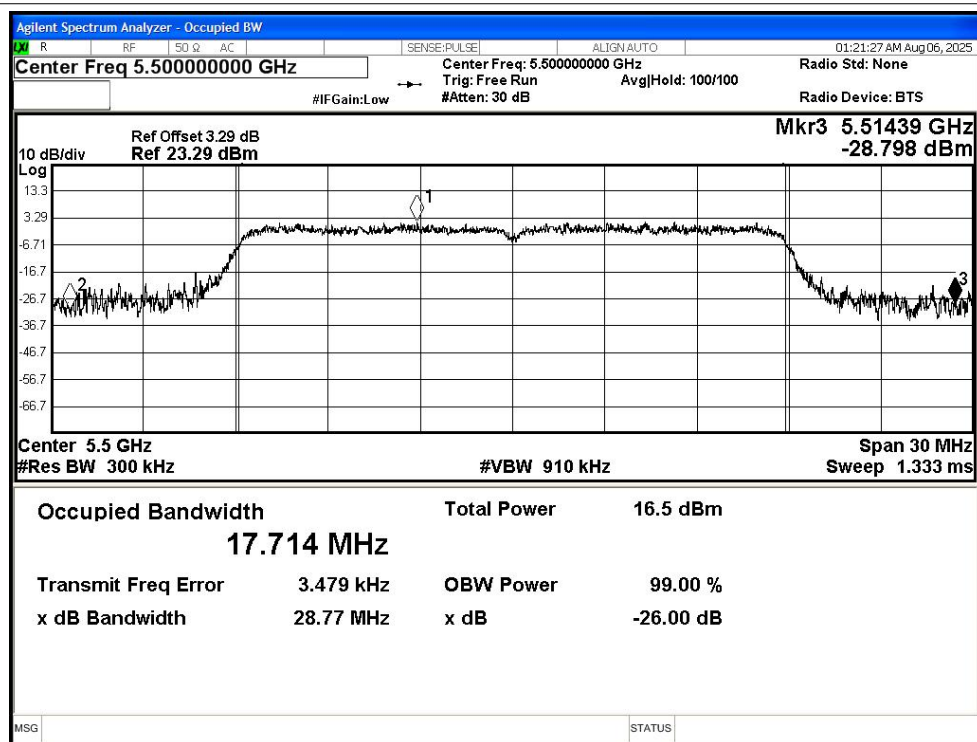
-26dB Bandwidth NVNT n40 5550MHz Ant1



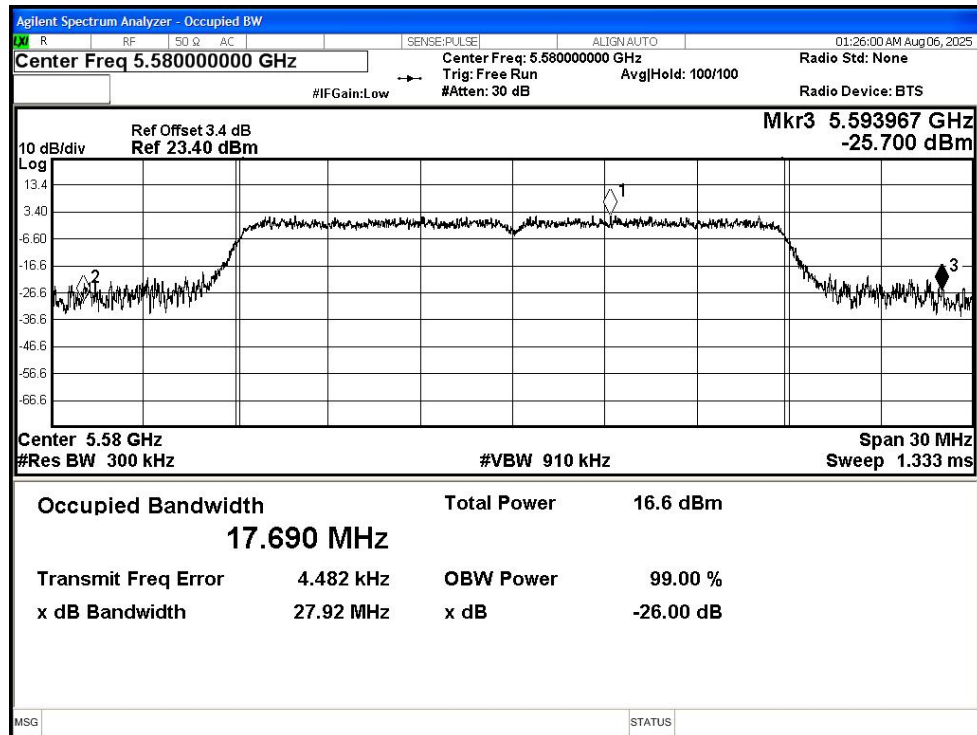
-26dB Bandwidth NVNT n40 5670MHz Ant1



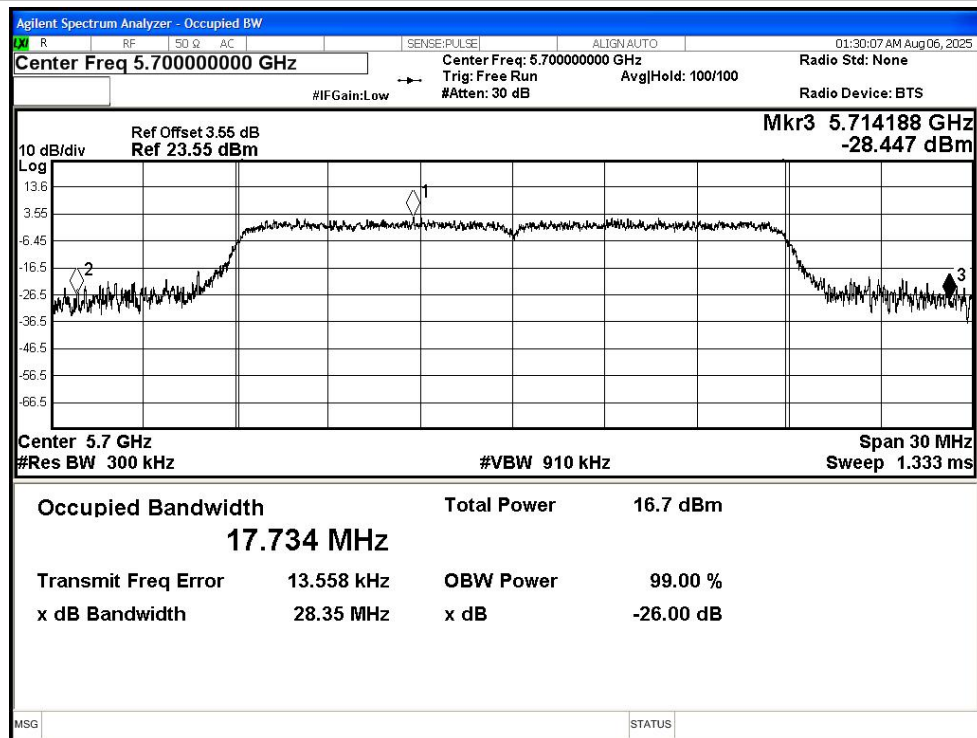
-26dB Bandwidth NVNT ac20 5500MHz Ant1



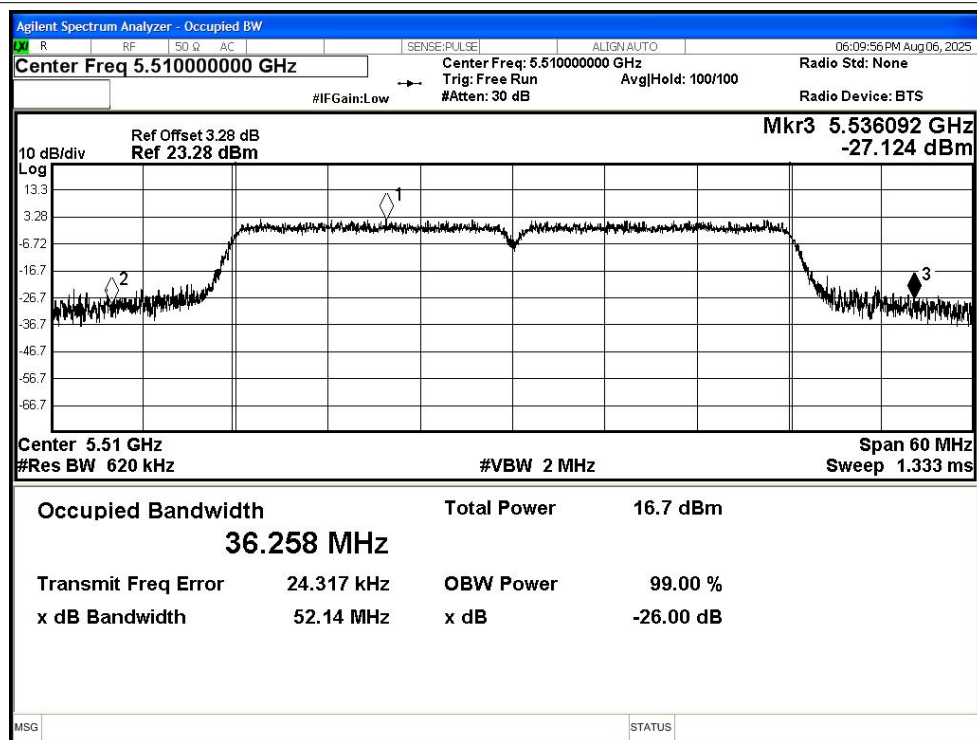
-26dB Bandwidth NVNT ac20 5580MHz Ant1



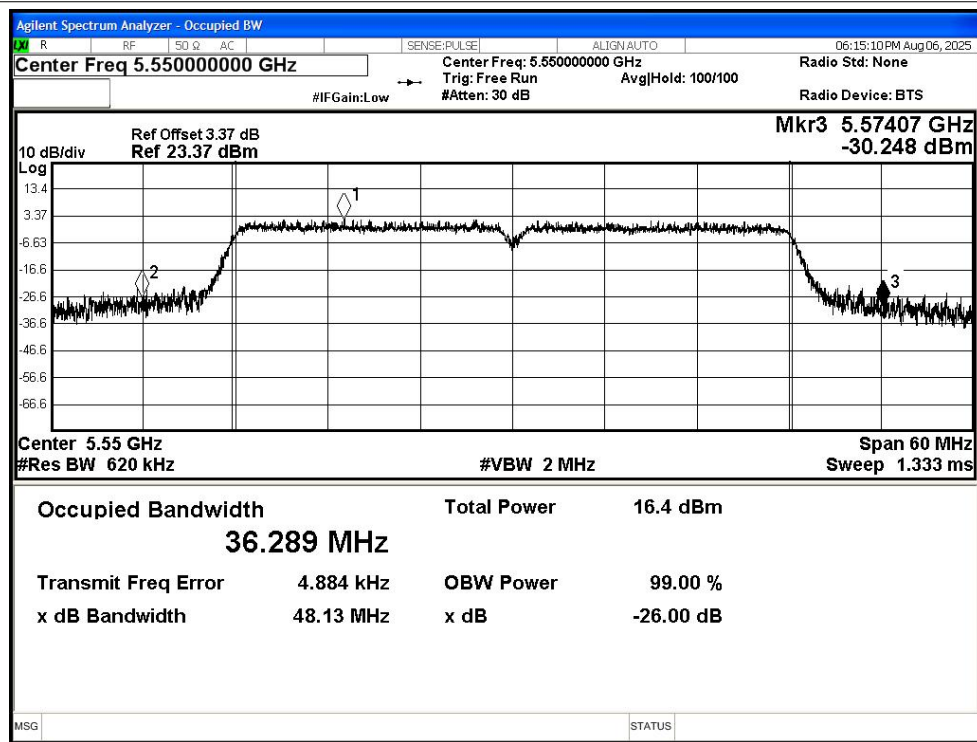
-26dB Bandwidth NVNT ac20 5700MHz Ant1



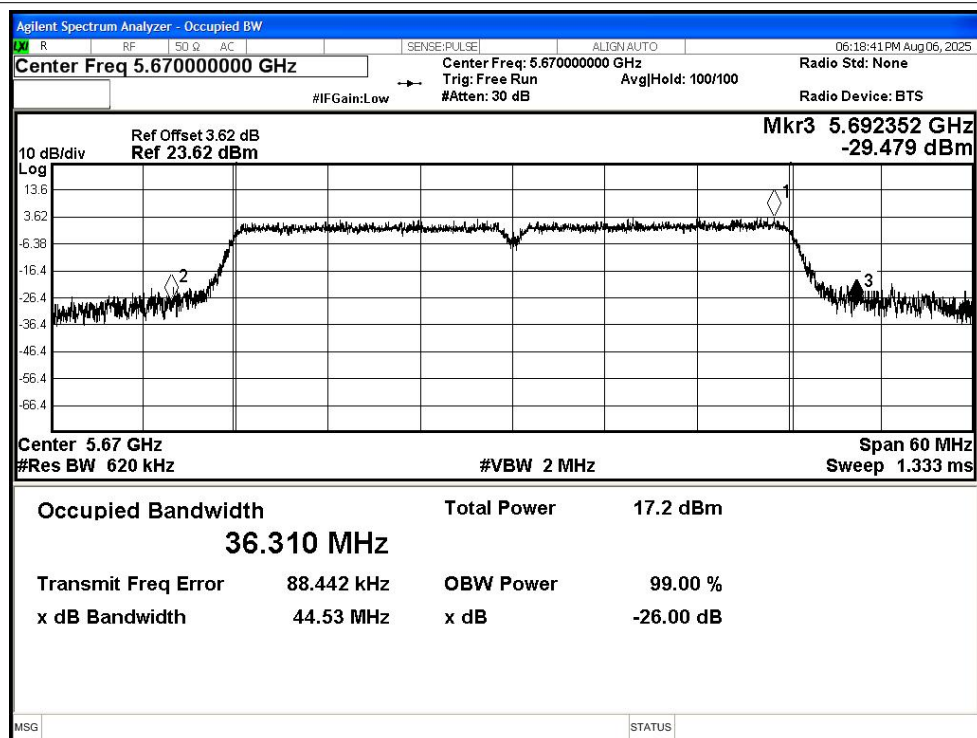
-26dB Bandwidth NVNT ac40 5510MHz Ant1



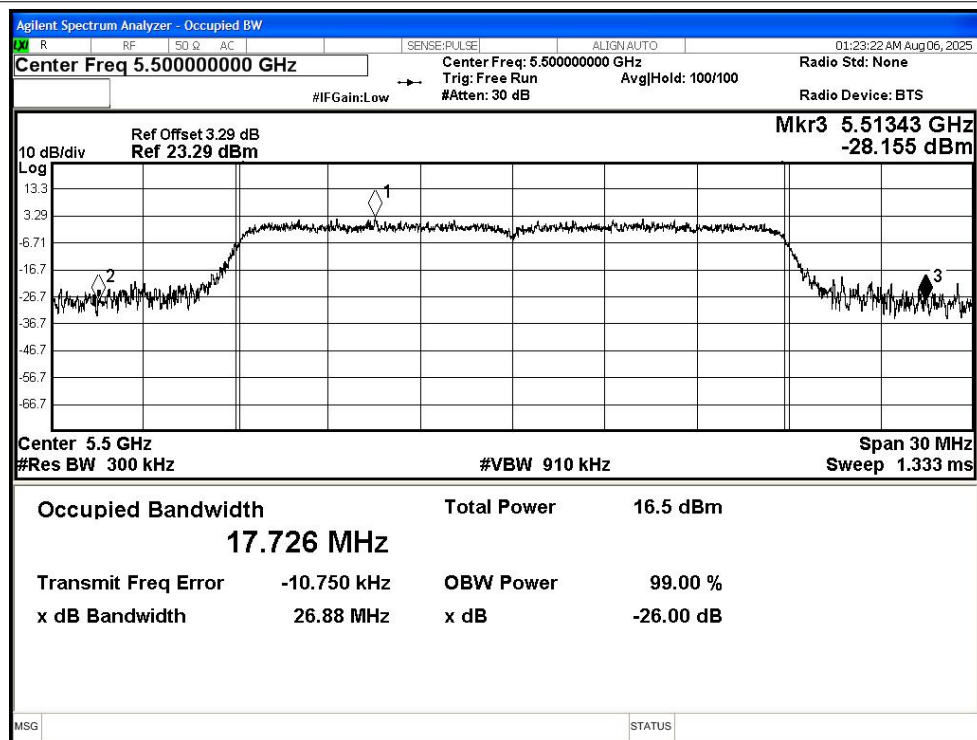
-26dB Bandwidth NVNT ac40 5550MHz Ant1



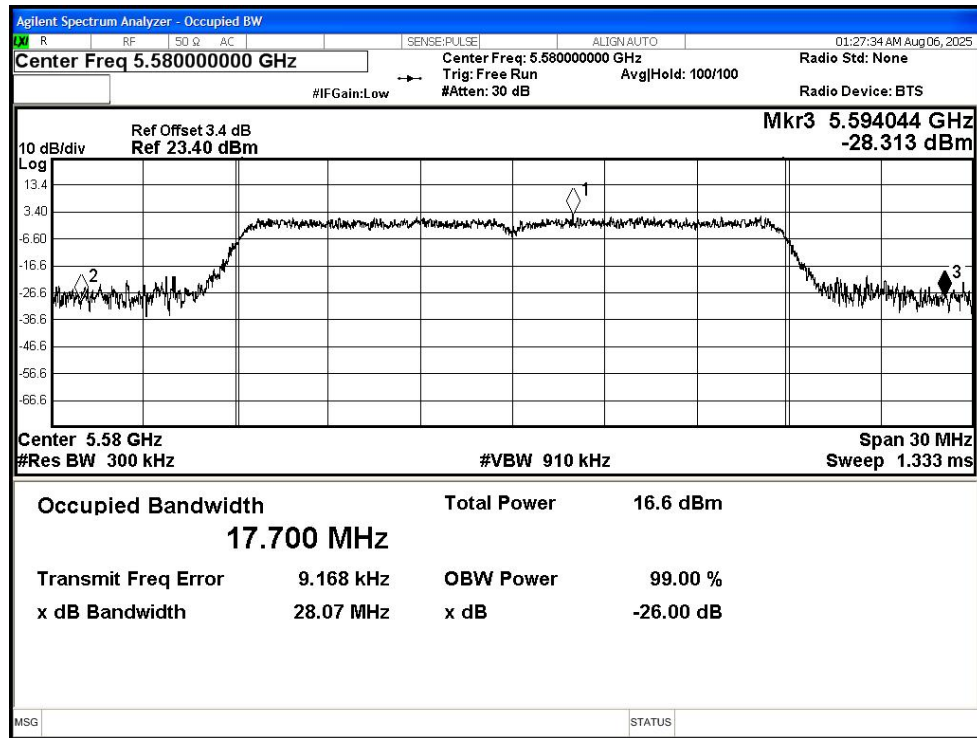
-26dB Bandwidth NVNT ac40 5670MHz Ant1



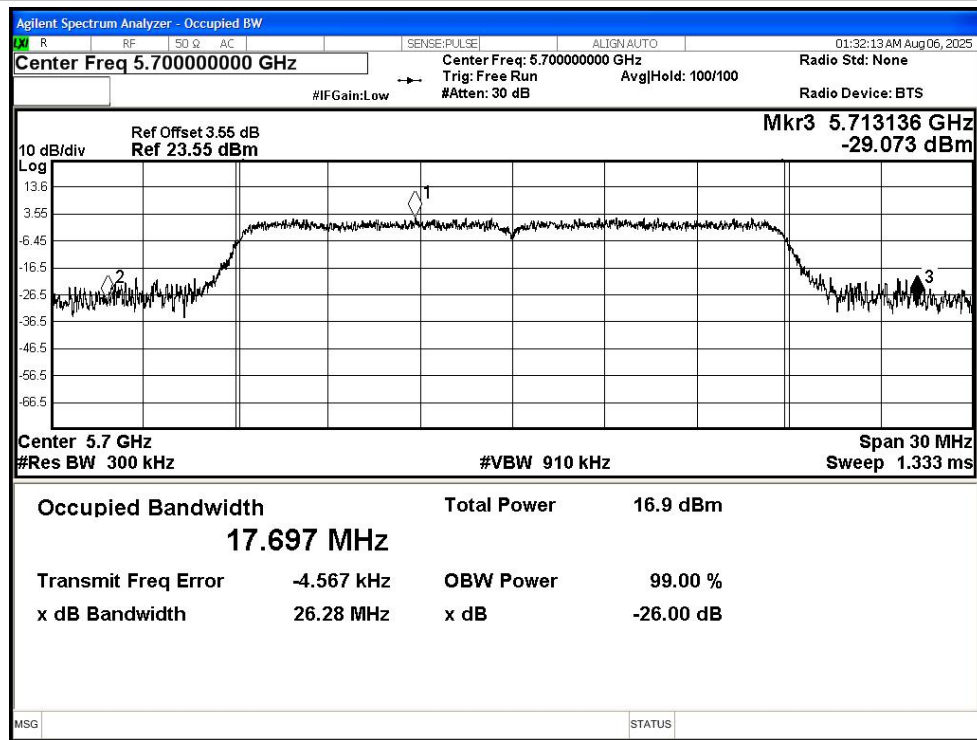
-26dB Bandwidth NVNT ax20 5500MHz Ant1



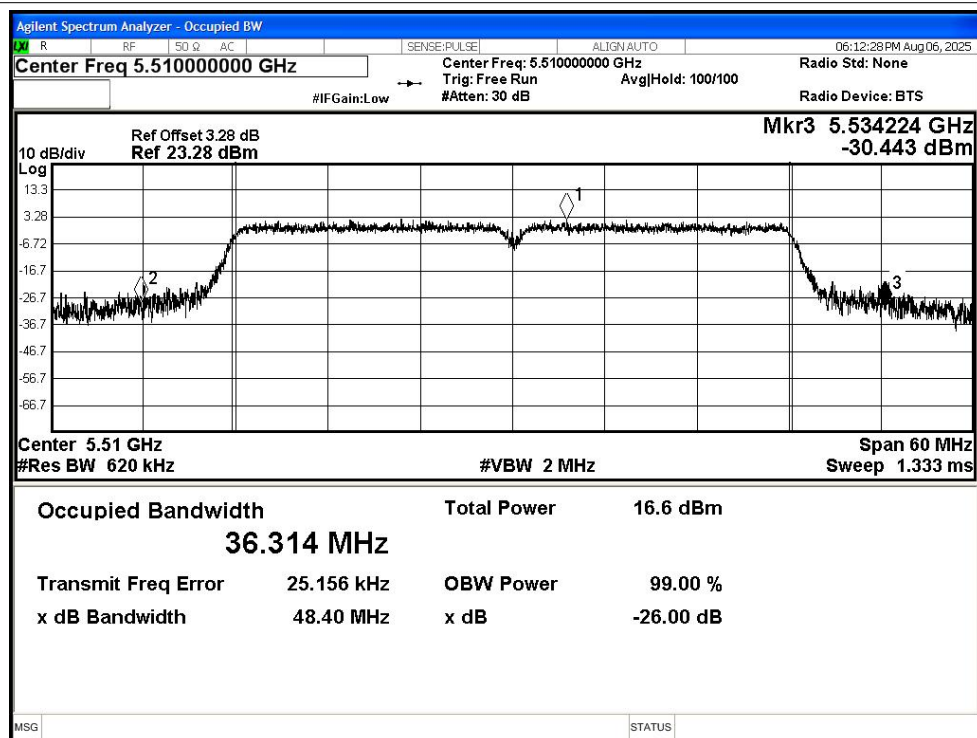
-26dB Bandwidth NVNT ax20 5580MHz Ant1



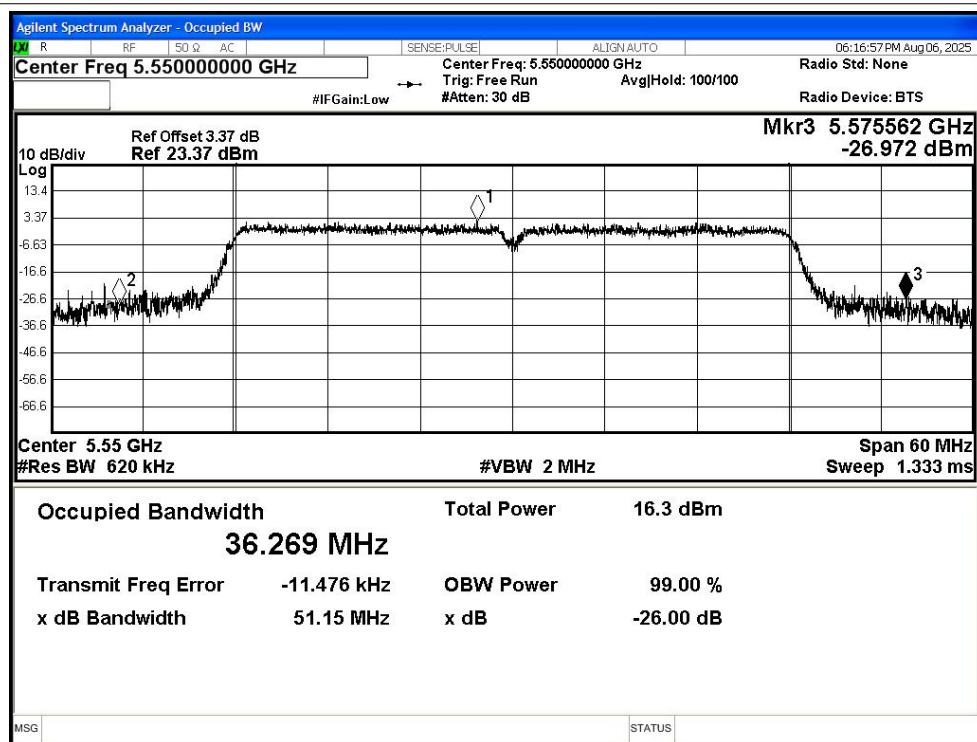
-26dB Bandwidth NVNT ax20 5700MHz Ant1



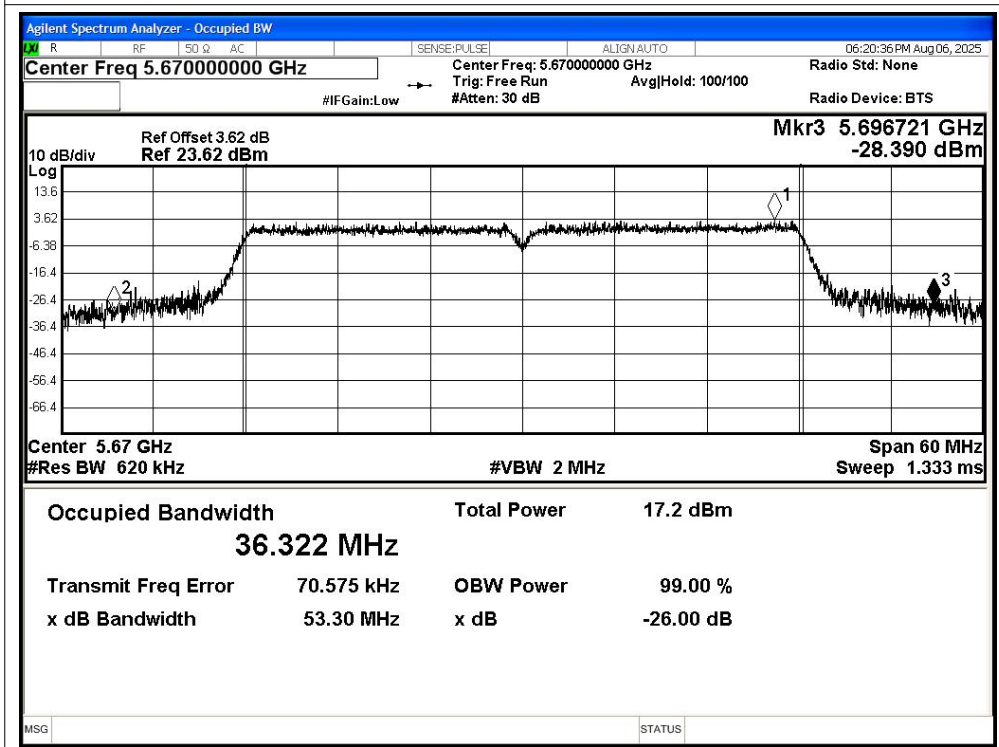
-26dB Bandwidth NVNT ax40 5510MHz Ant1



-26dB Bandwidth NVNT ax40 5550MHz Ant1



-26dB Bandwidth NVNT ax40 5670MHz Ant1



Maximum Conducted Output Power

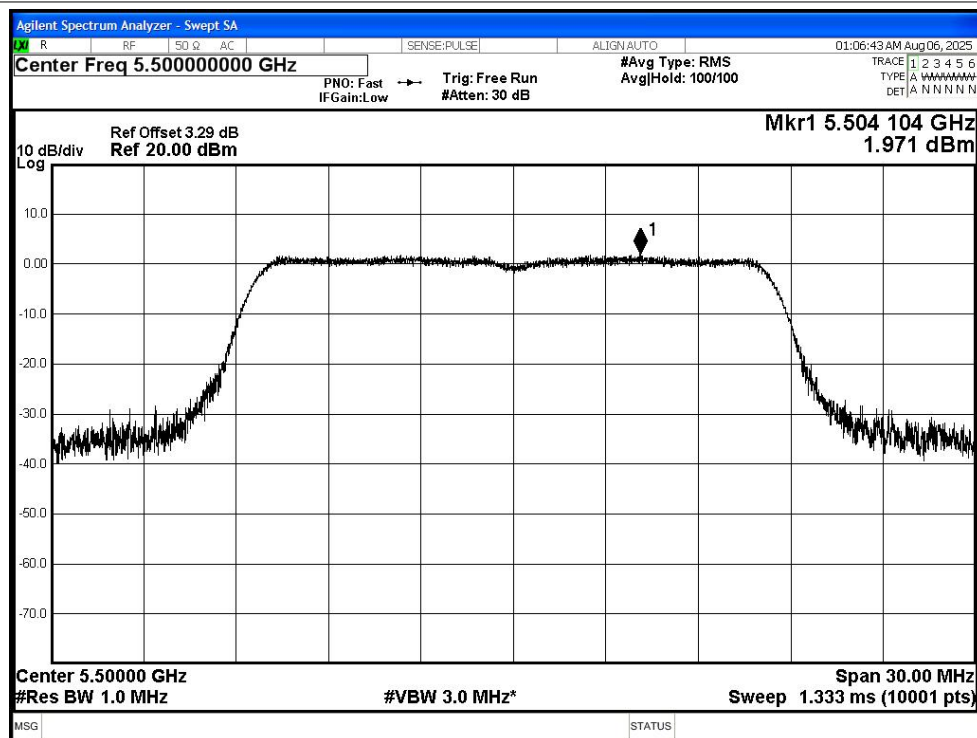
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	12.47	0.24	12.71	24	Pass
NVNT	a	5580	Ant1	12.61	0.24	12.85	24	Pass
NVNT	a	5700	Ant1	12.77	0.24	13.01	24	Pass
NVNT	n20	5500	Ant1	11.03	0.12	11.15	24	Pass
NVNT	n20	5580	Ant1	11.12	0.12	11.24	24	Pass
NVNT	n20	5700	Ant1	11.38	0.12	11.5	24	Pass
NVNT	n40	5510	Ant1	10.23	0.23	10.46	24	Pass
NVNT	n40	5550	Ant1	11.12	0.24	11.36	24	Pass
NVNT	n40	5670	Ant1	11.06	0.23	11.29	24	Pass
NVNT	ac20	5500	Ant1	10.92	0.12	11.04	24	Pass
NVNT	ac20	5580	Ant1	11.08	0.12	11.2	24	Pass
NVNT	ac20	5700	Ant1	11.23	0.12	11.35	24	Pass
NVNT	ac40	5510	Ant1	10.34	0.24	10.58	24	Pass
NVNT	ac40	5550	Ant1	10	0.24	10.24	24	Pass
NVNT	ac40	5670	Ant1	10.91	0.24	11.15	24	Pass
NVNT	ax20	5500	Ant1	10.94	0.12	11.06	24	Pass
NVNT	ax20	5580	Ant1	11.02	0.12	11.14	24	Pass
NVNT	ax20	5700	Ant1	11.28	0.12	11.4	24	Pass
NVNT	ax40	5510	Ant1	10.34	0.23	10.57	24	Pass
NVNT	ax40	5550	Ant1	10.02	0.24	10.26	24	Pass
NVNT	ax40	5670	Ant1	10.85	0.24	11.09	24	Pass

Maximum Power Spectral Density Level

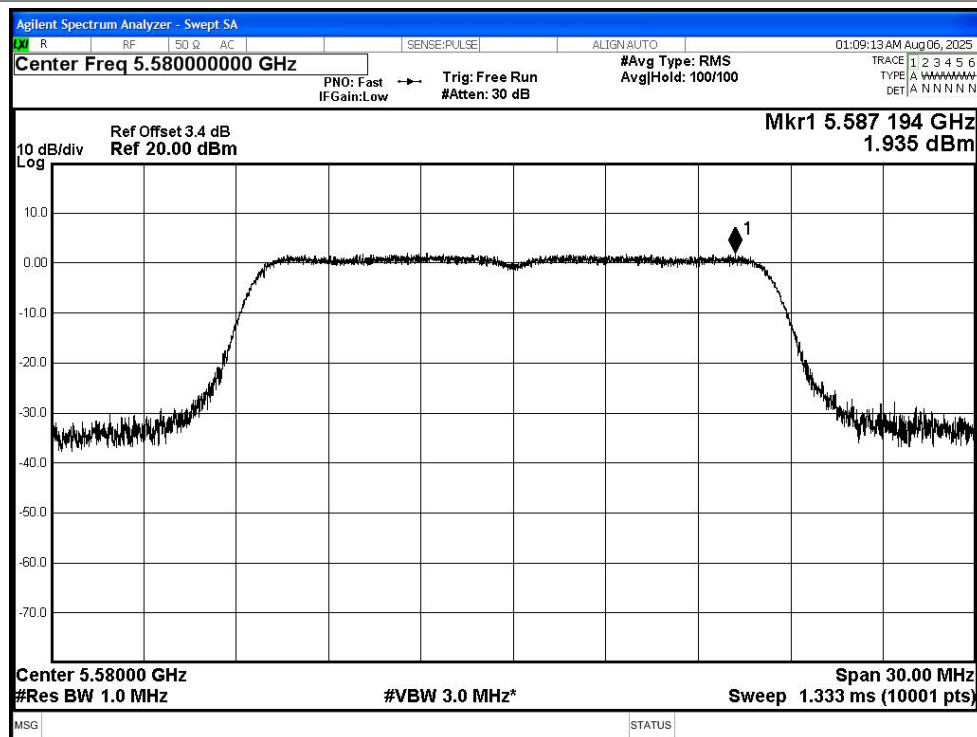
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	1.97	0.24	2.21	11	Pass
NVNT	a	5580	Ant1	1.94	0.24	2.18	11	Pass
NVNT	a	5700	Ant1	2.28	0.24	2.52	11	Pass
NVNT	n20	5500	Ant1	0.16	0.12	0.28	11	Pass
NVNT	n20	5580	Ant1	0.31	0.12	0.43	11	Pass
NVNT	n20	5700	Ant1	0.46	0.12	0.58	11	Pass
NVNT	n40	5510	Ant1	-3.72	0.23	-3.49	11	Pass
NVNT	n40	5550	Ant1	-2.56	0.24	-2.32	11	Pass
NVNT	n40	5670	Ant1	-2.43	0.23	-2.2	11	Pass
NVNT	ac20	5500	Ant1	0.17	0.12	0.29	11	Pass
NVNT	ac20	5580	Ant1	0.2	0.12	0.32	11	Pass
NVNT	ac20	5700	Ant1	0.31	0.12	0.43	11	Pass
NVNT	ac40	5510	Ant1	-3.38	0.24	-3.14	11	Pass
NVNT	ac40	5550	Ant1	-3.53	0.24	-3.29	11	Pass
NVNT	ac40	5670	Ant1	-2.61	0.24	-2.37	11	Pass
NVNT	ax20	5500	Ant1	0.01	0.12	0.13	11	Pass
NVNT	ax20	5580	Ant1	0.17	0.12	0.29	11	Pass
NVNT	ax20	5700	Ant1	0.36	0.12	0.48	11	Pass
NVNT	ax40	5510	Ant1	-3.62	0.23	-3.39	11	Pass
NVNT	ax40	5550	Ant1	-3.67	0.24	-3.43	11	Pass
NVNT	ax40	5670	Ant1	-2.63	0.24	-2.39	11	Pass

Test Graphs

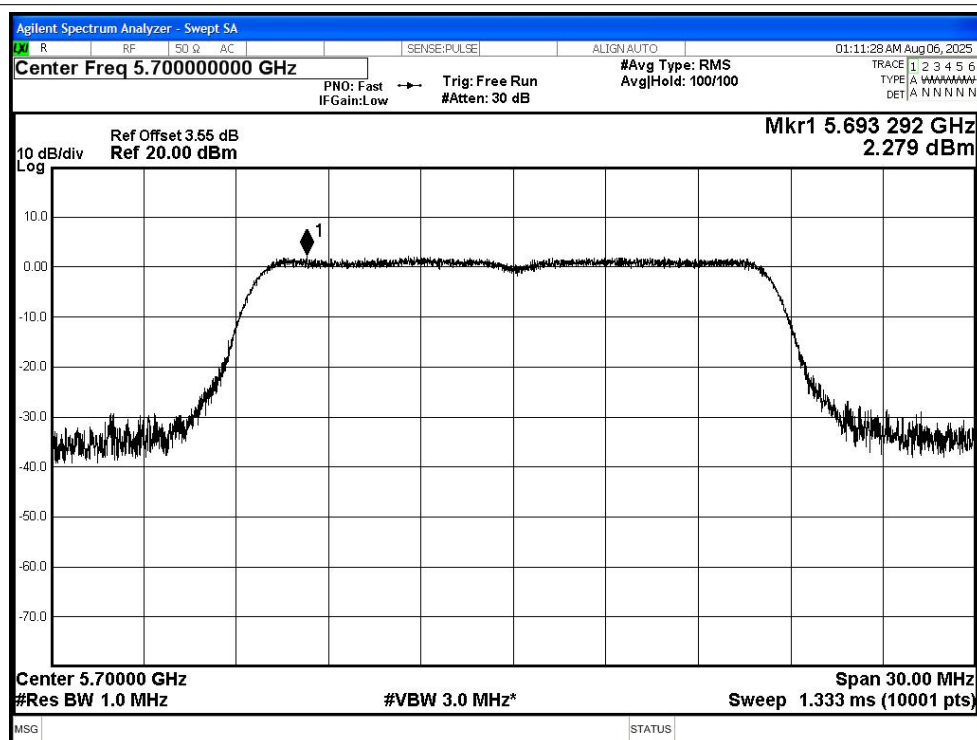
PSD NVNT a 5500MHz Ant1



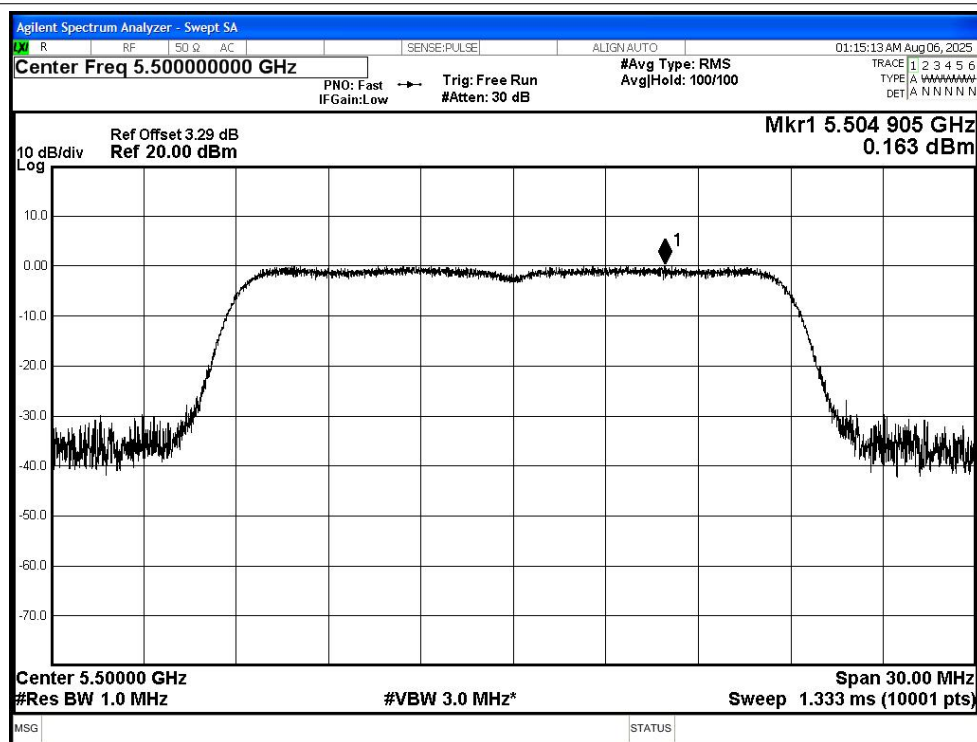
PSD NVNT a 5580MHz Ant1



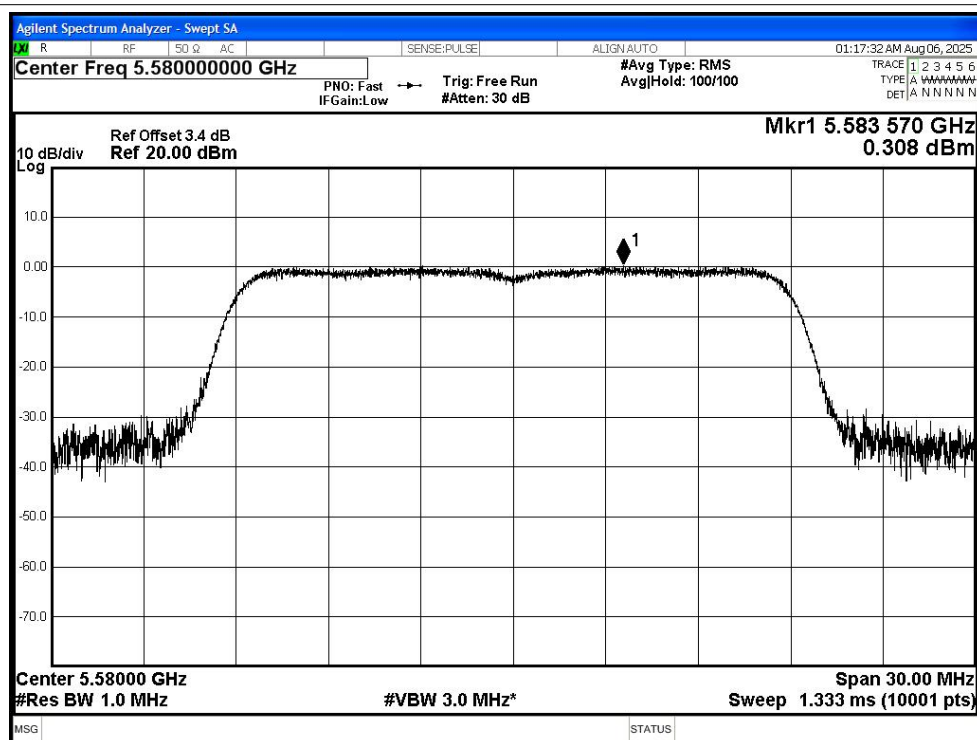
PSD NVNT a 5700MHz Ant1



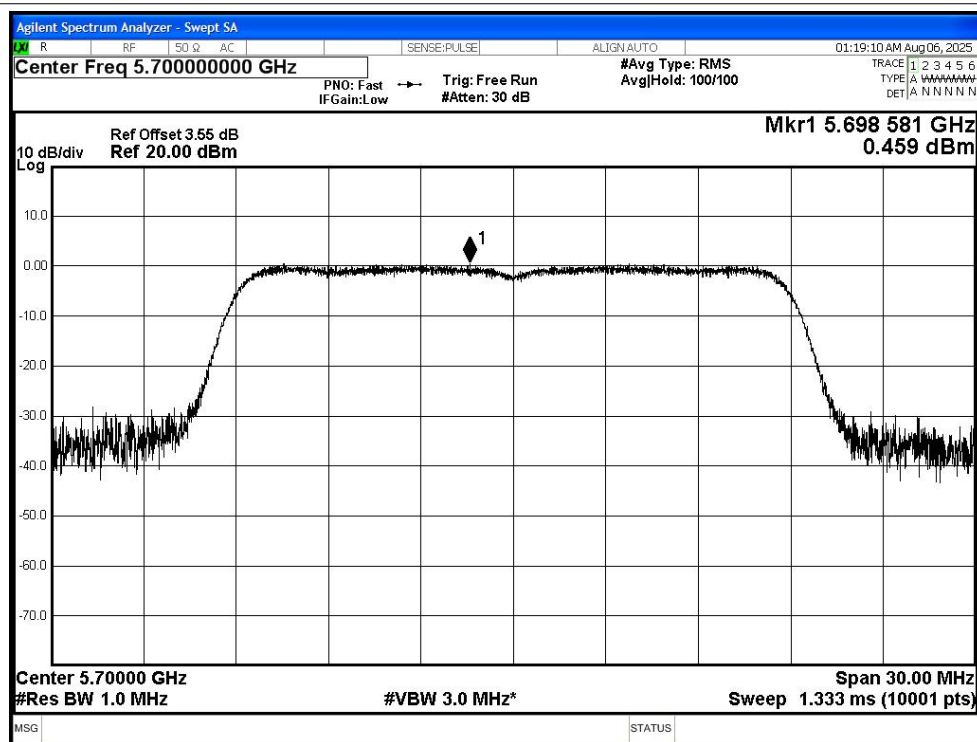
PSD NVNT n20 5500MHz Ant1



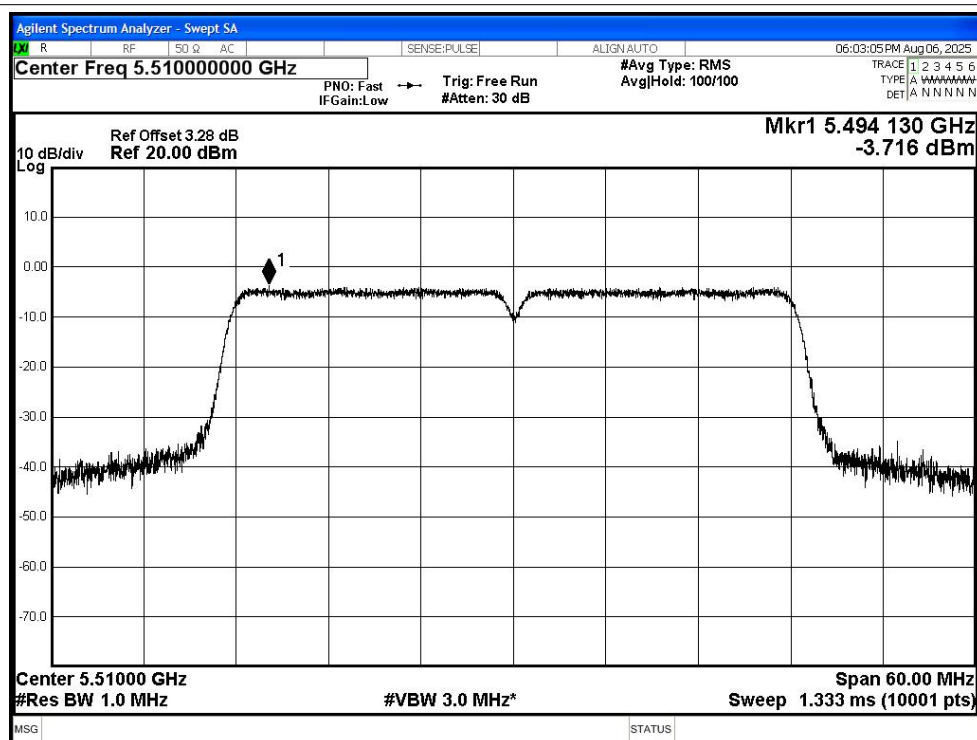
PSD NVNT n20 5580MHz Ant1



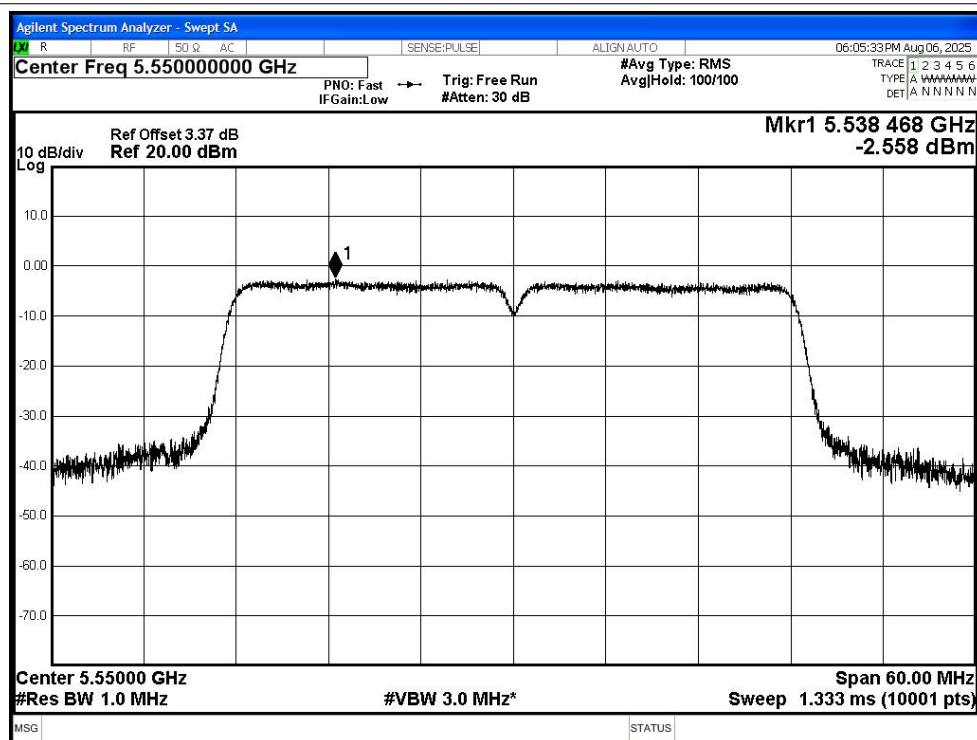
PSD NVNT n20 5700MHz Ant1



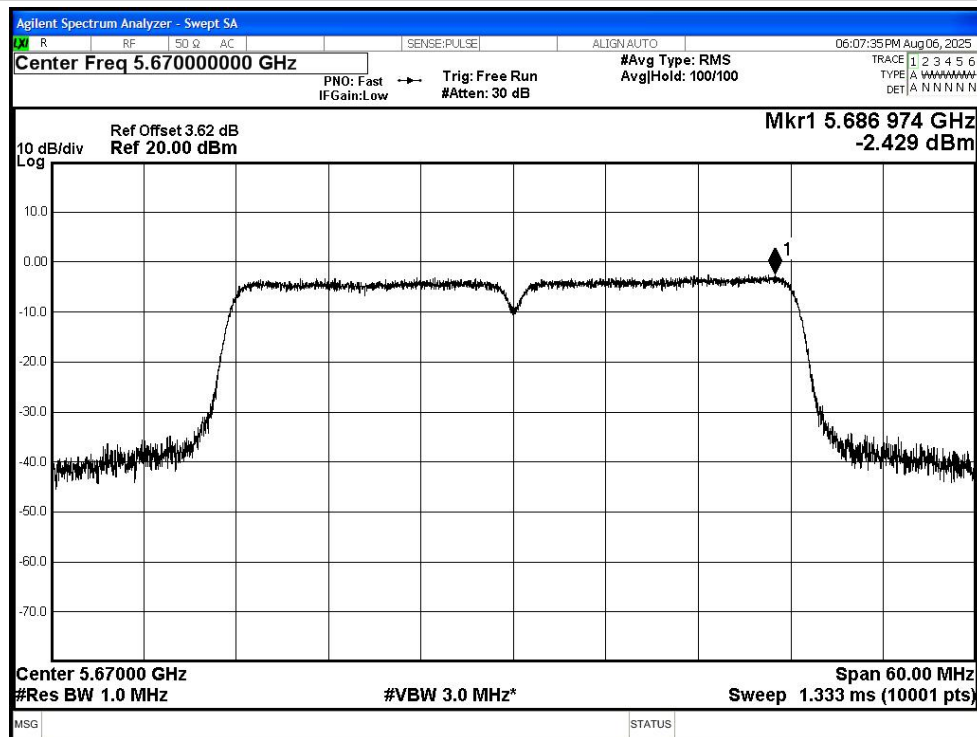
PSD NVNT n40 5510MHz Ant1



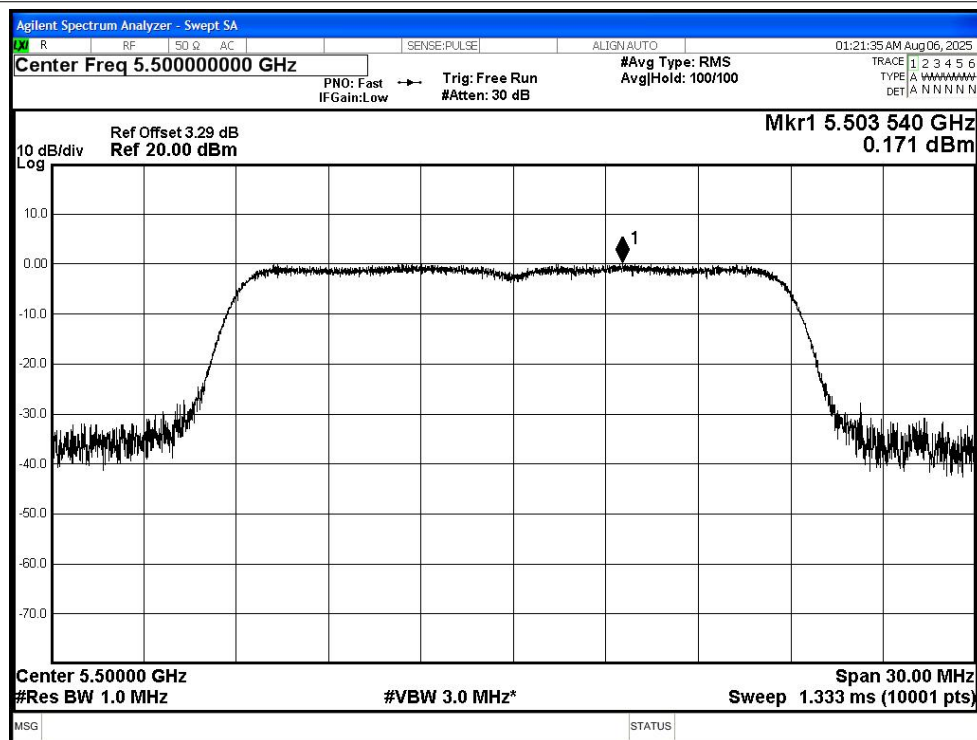
PSD NVNT n40 5550MHz Ant1



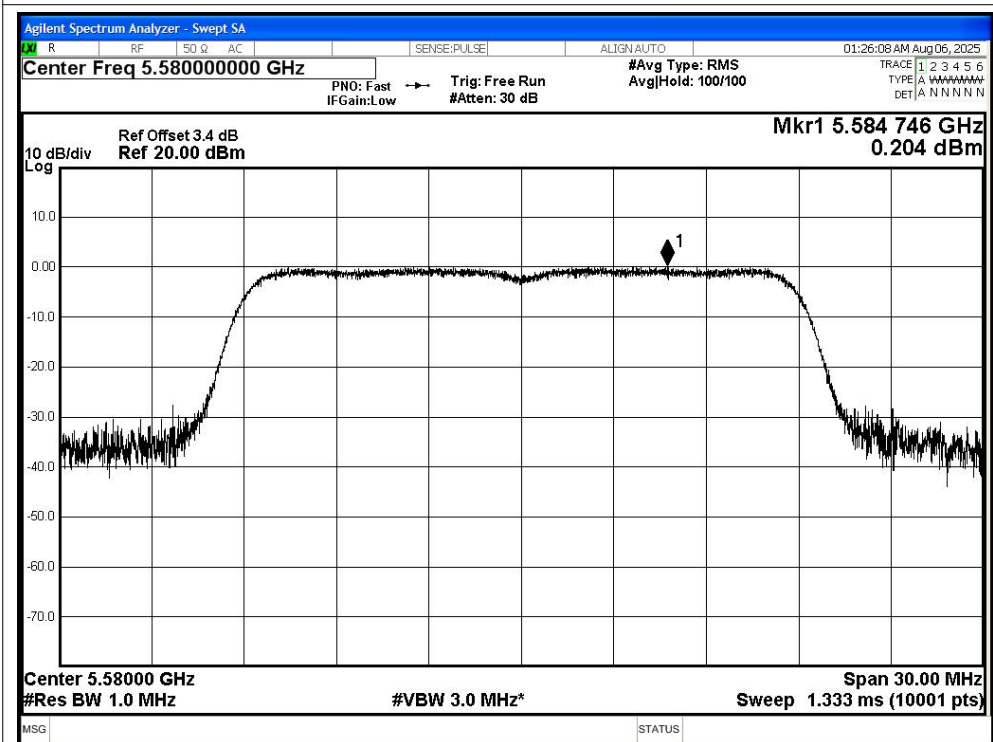
PSD NVNT n40 5670MHz Ant1



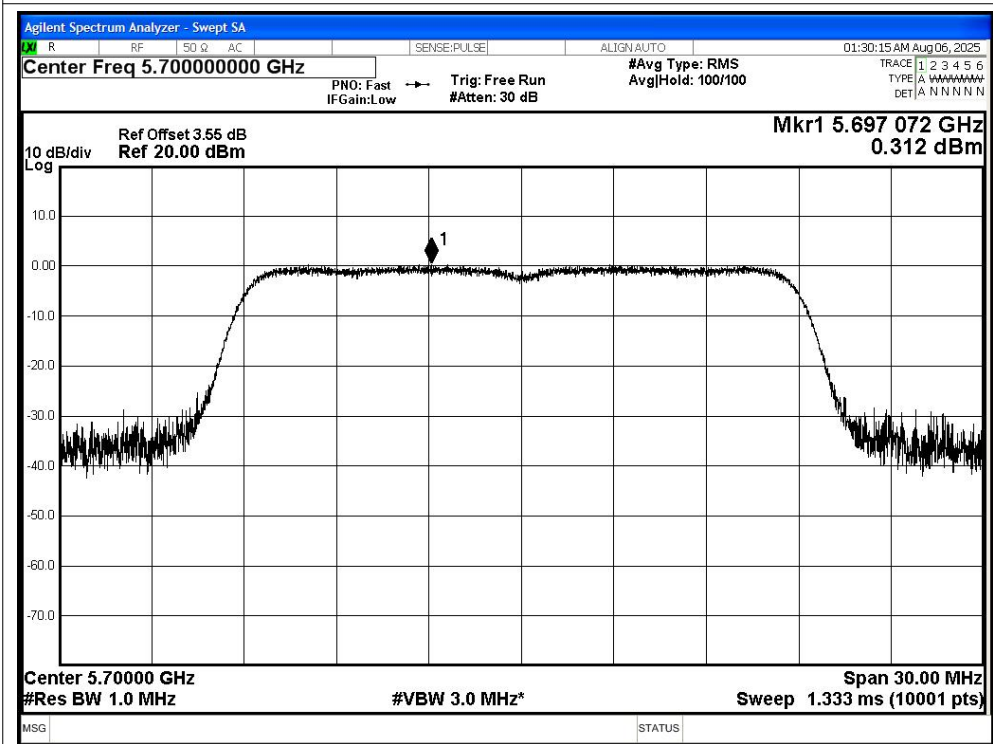
PSD NVNT ac20 5500MHz Ant1



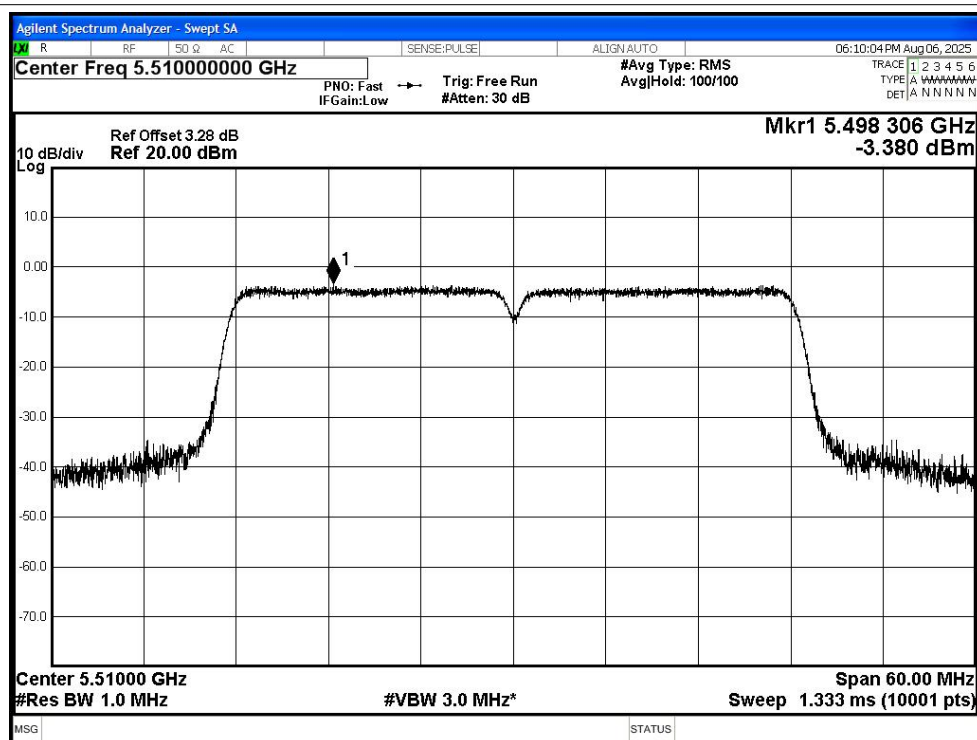
PSD NVNT ac20 5580MHz Ant1



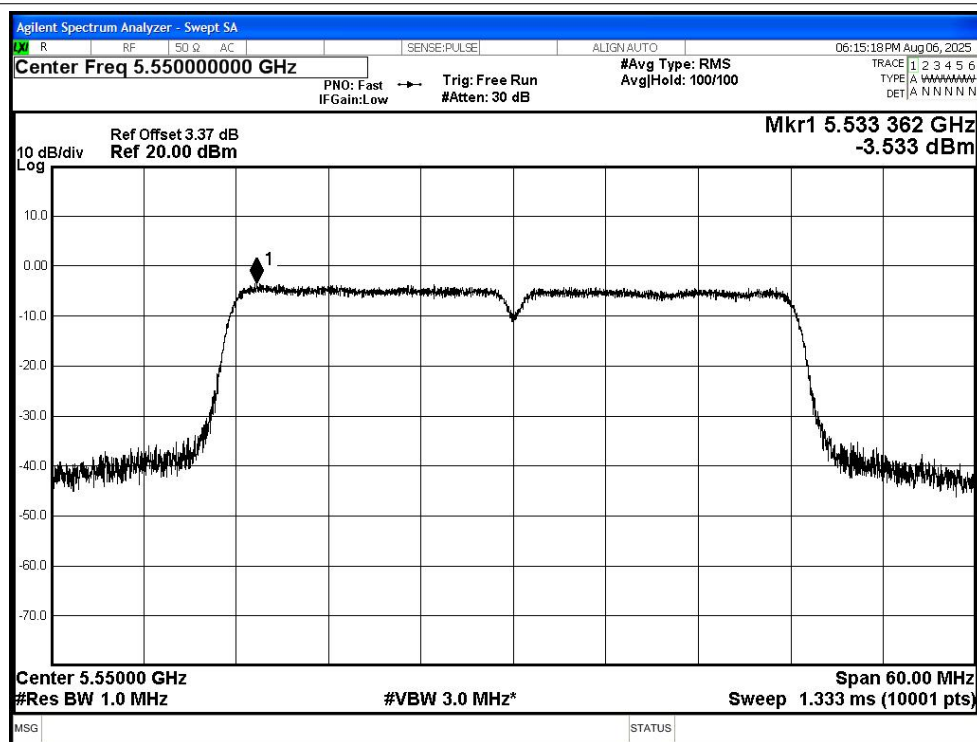
PSD NVNT ac20 5700MHz Ant1



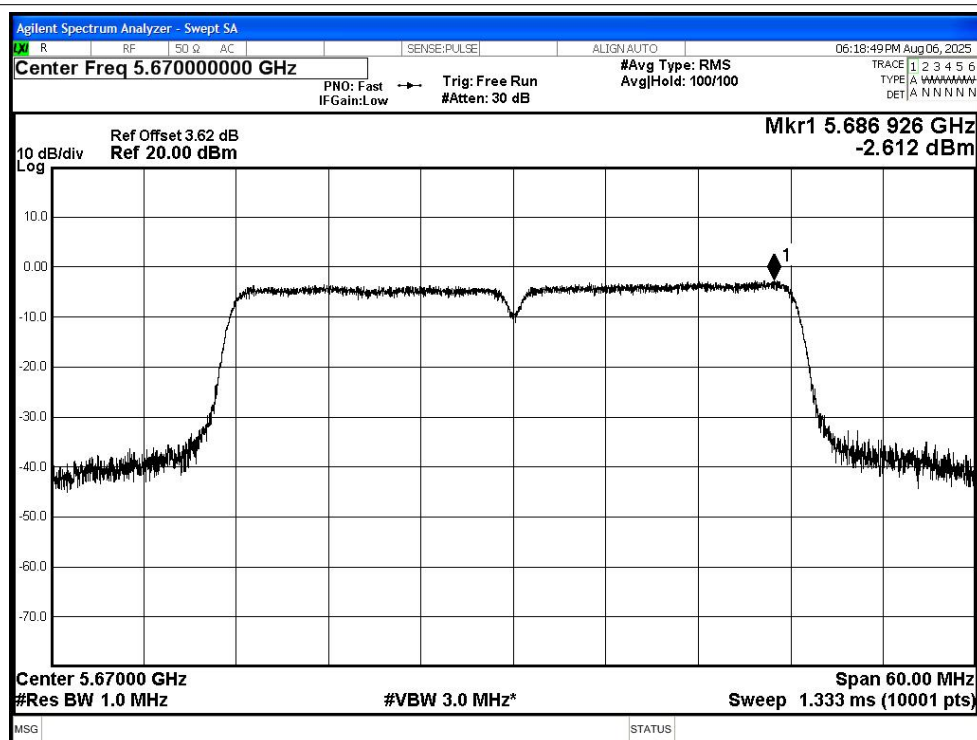
PSD NVNT ac40 5510MHz Ant1



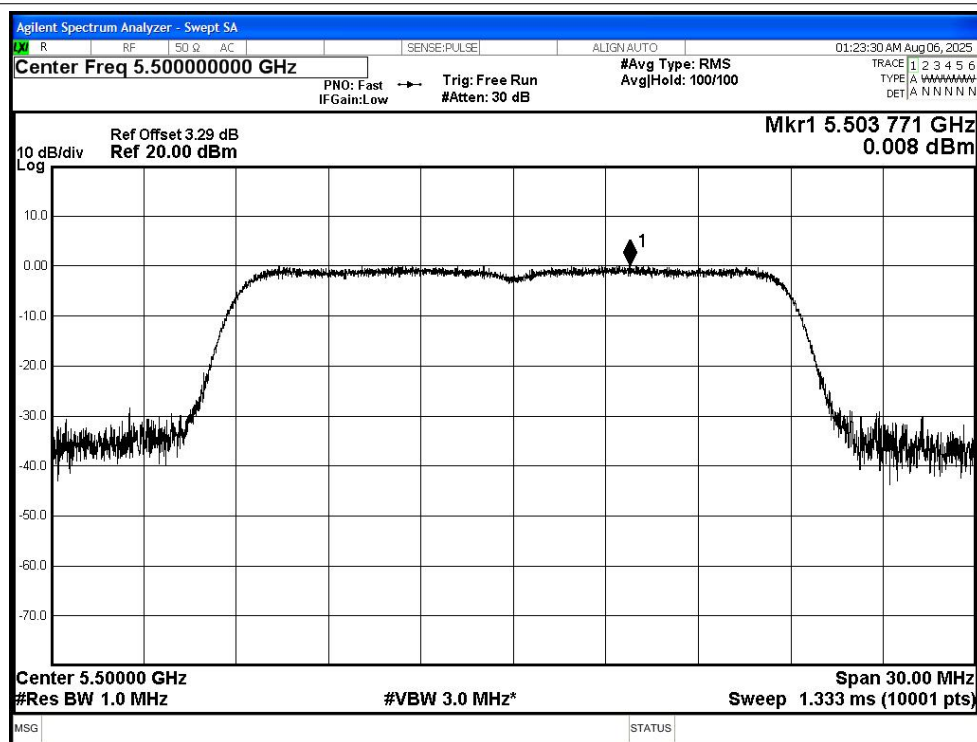
PSD NVNT ac40 5550MHz Ant1



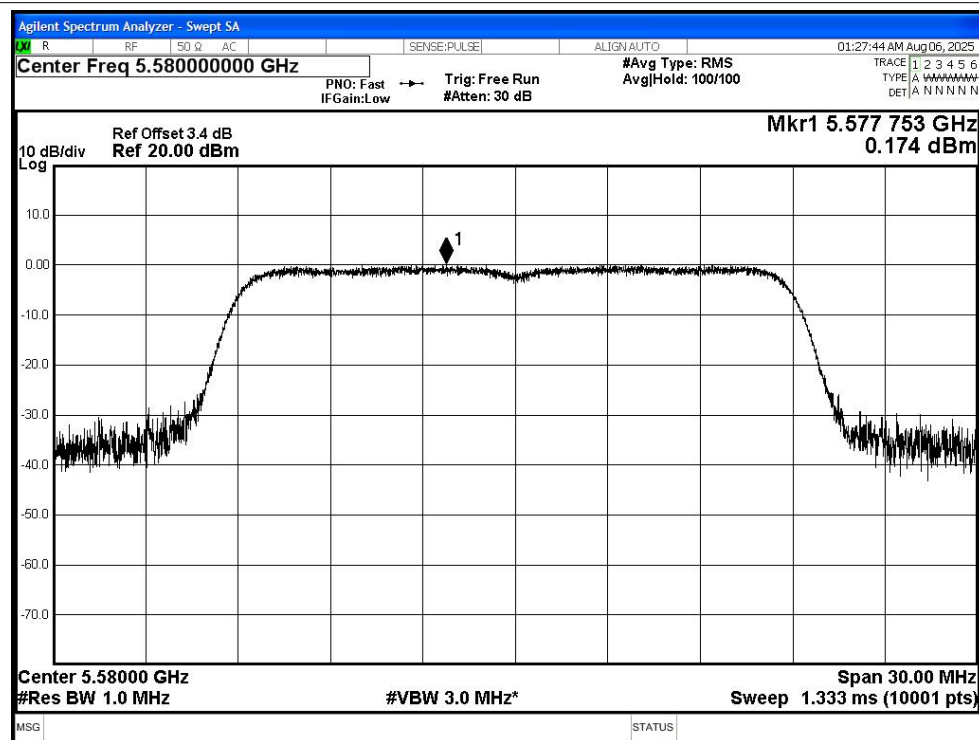
PSD NVNT ac40 5670MHz Ant1



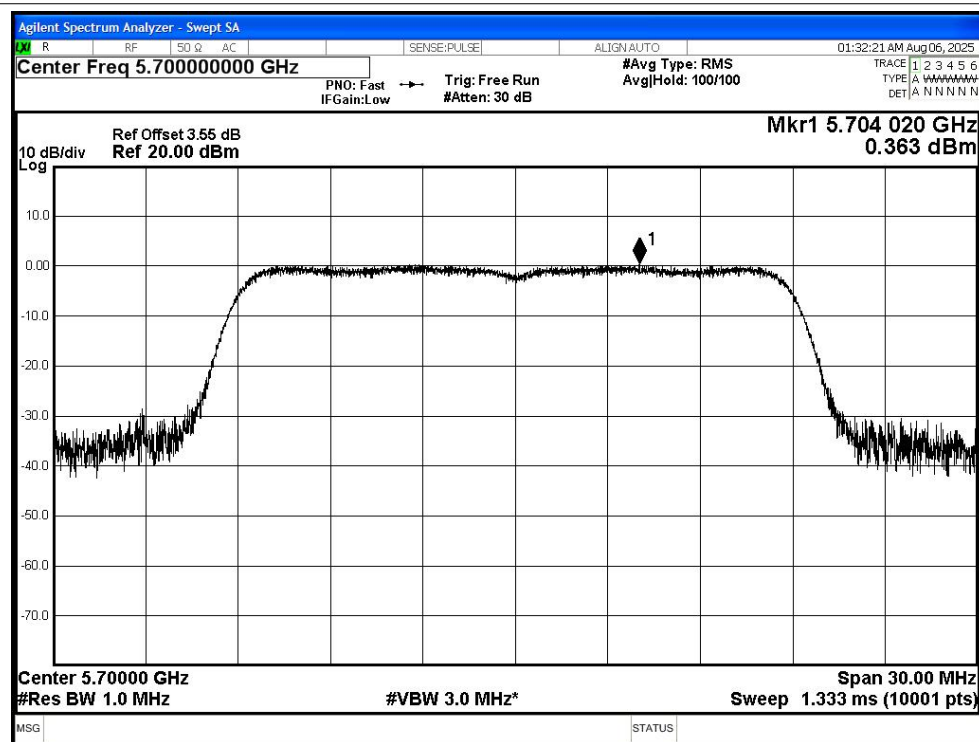
PSD NVNT ax20 5500MHz Ant1



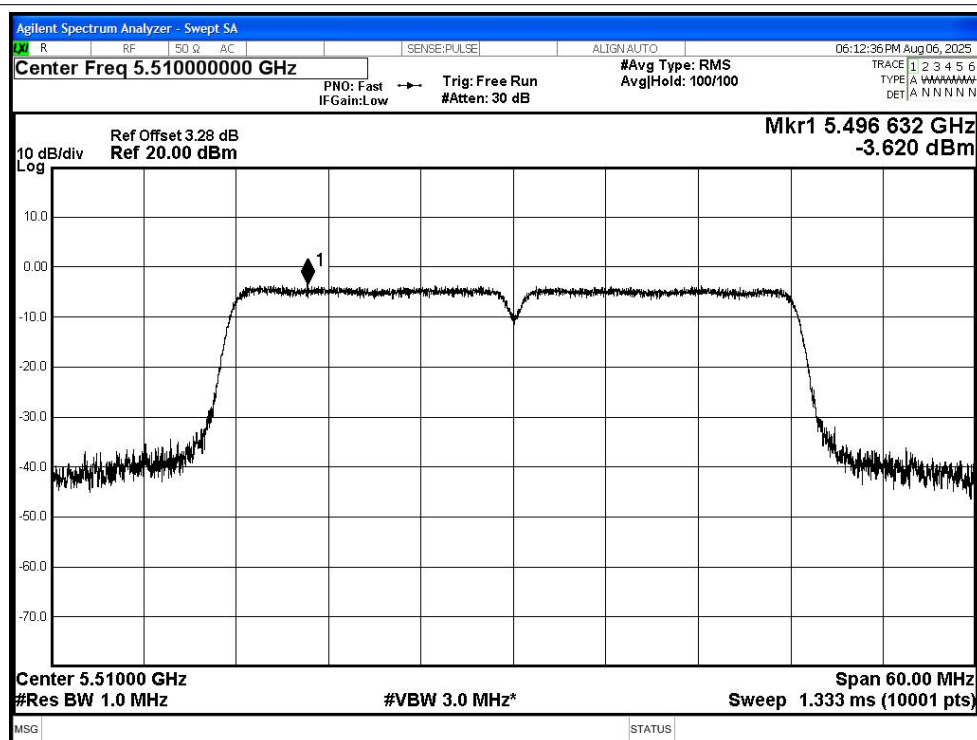
PSD NVNT ax20 5580MHz Ant1



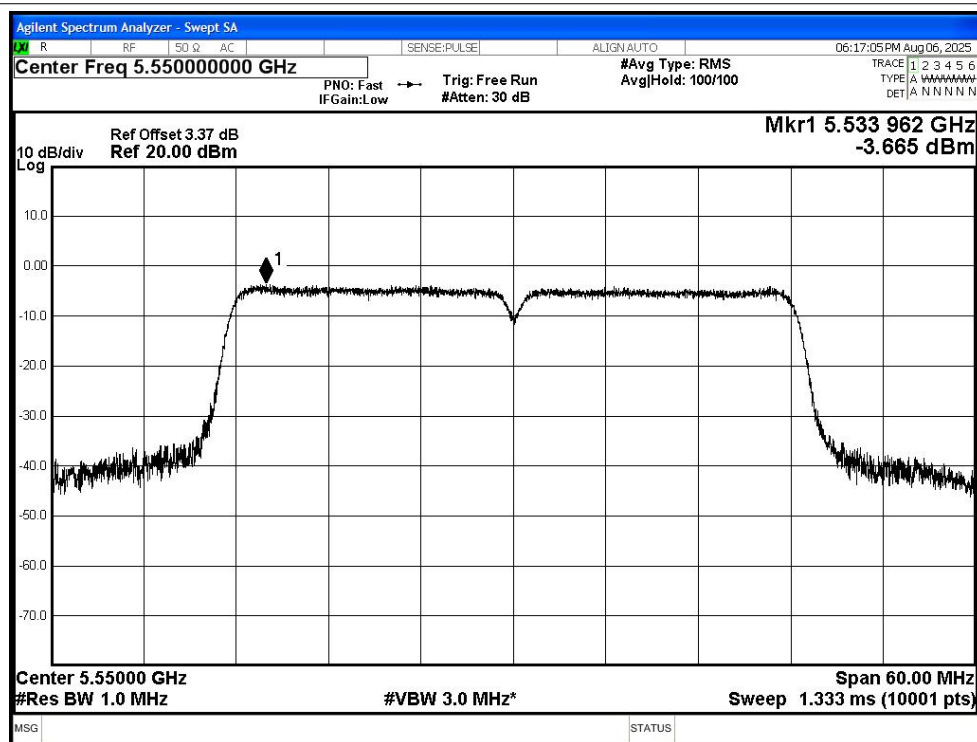
PSD NVNT ax20 5700MHz Ant1

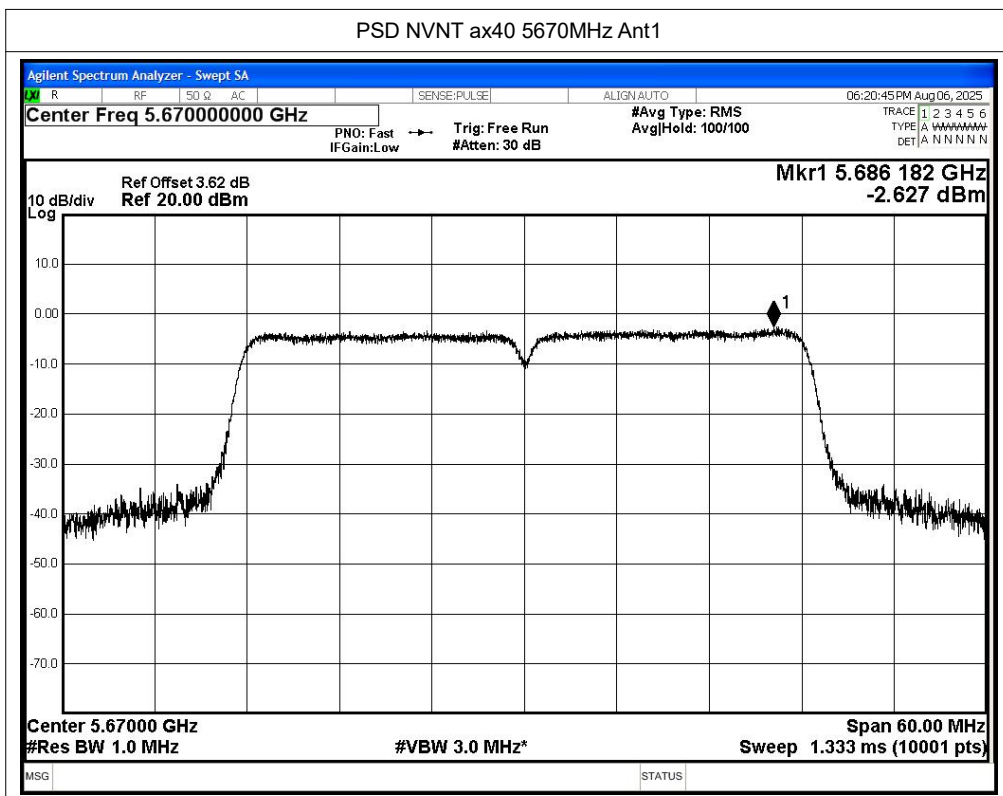


PSD NVNT ax40 5510MHz Ant1



PSD NVNT ax40 5550MHz Ant1



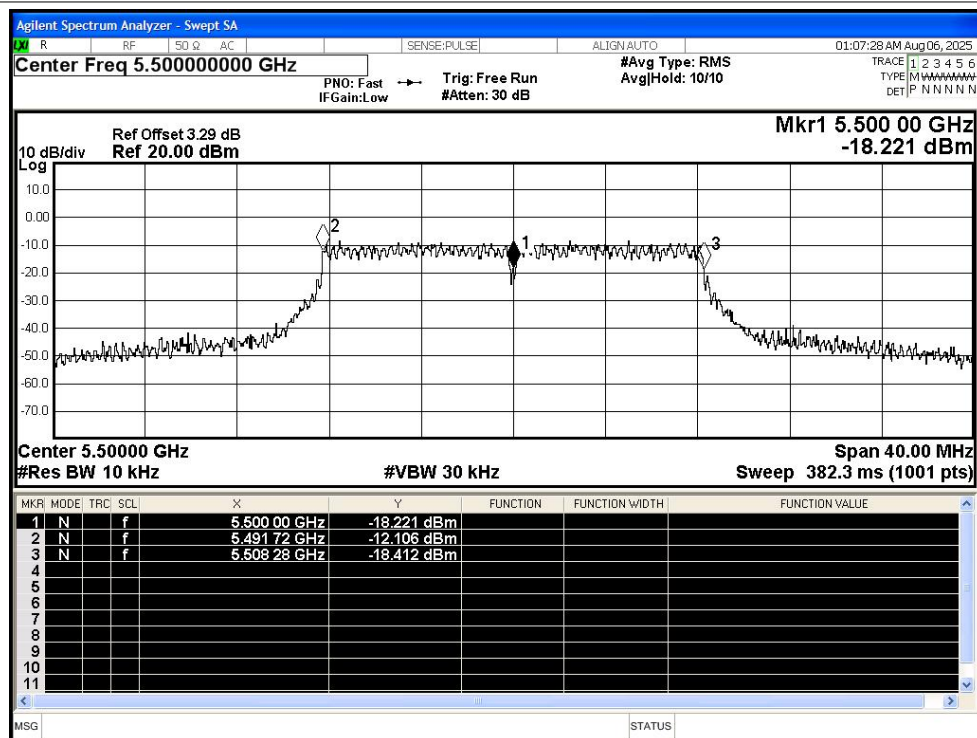


Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5500	Ant1	5500	0	0	25	Pass
NVNT	a	5580	Ant1	5580	0	0	25	Pass
NVNT	a	5700	Ant1	5700	0	0	25	Pass
NVNT	n20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
NVNT	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
NVNT	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
NVNT	n40	5510	Ant1	5510	0	0	25	Pass
NVNT	n40	5550	Ant1	5550	0	0	25	Pass
NVNT	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
NVNT	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NVNT	ac20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
NVNT	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
NVNT	ac40	5510	Ant1	5510	0	0	25	Pass
NVNT	ac40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
NVNT	ac40	5670	Ant1	5670	0	0	25	Pass
NVNT	ax20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NVNT	ax20	5580	Ant1	5580	0	0	25	Pass
NVNT	ax20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
NVNT	ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
NVNT	ax40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
NVNT	ax40	5670	Ant1	5670	0	0	25	Pass

Test Graphs

Freq. Stability NVNT a 5500MHz Ant1



Freq. Stability NVNT a 5580MHz Ant1

