

Appendix RF test data for WIFI5G_UNII band 2A

Product Name: Smart Battery Camera

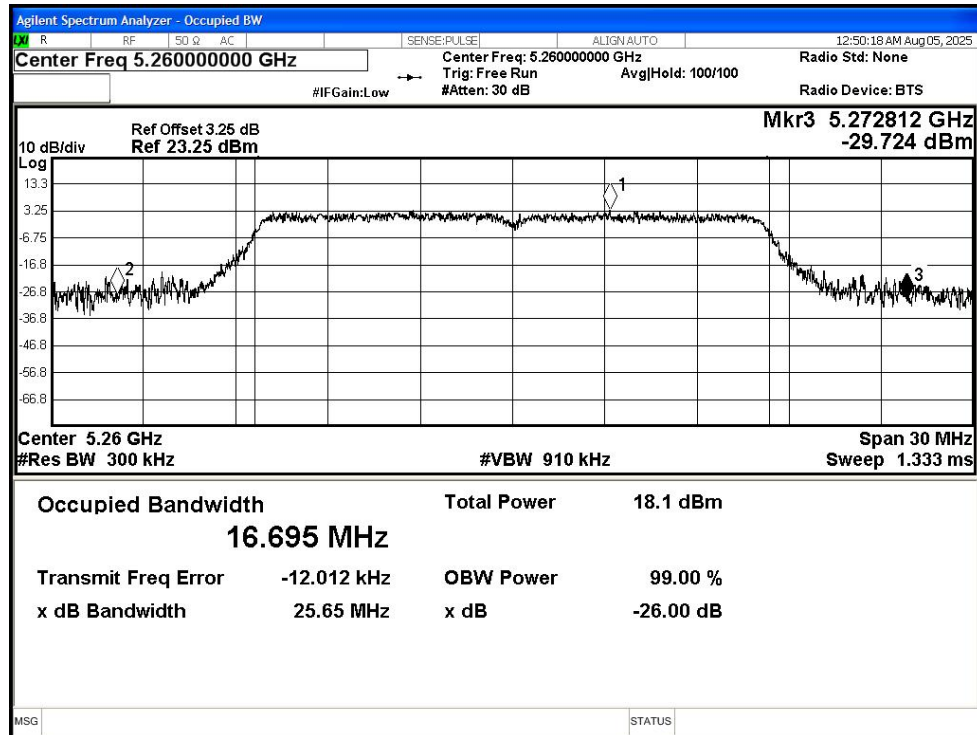
Test Model: Q12

-26dB Bandwidth

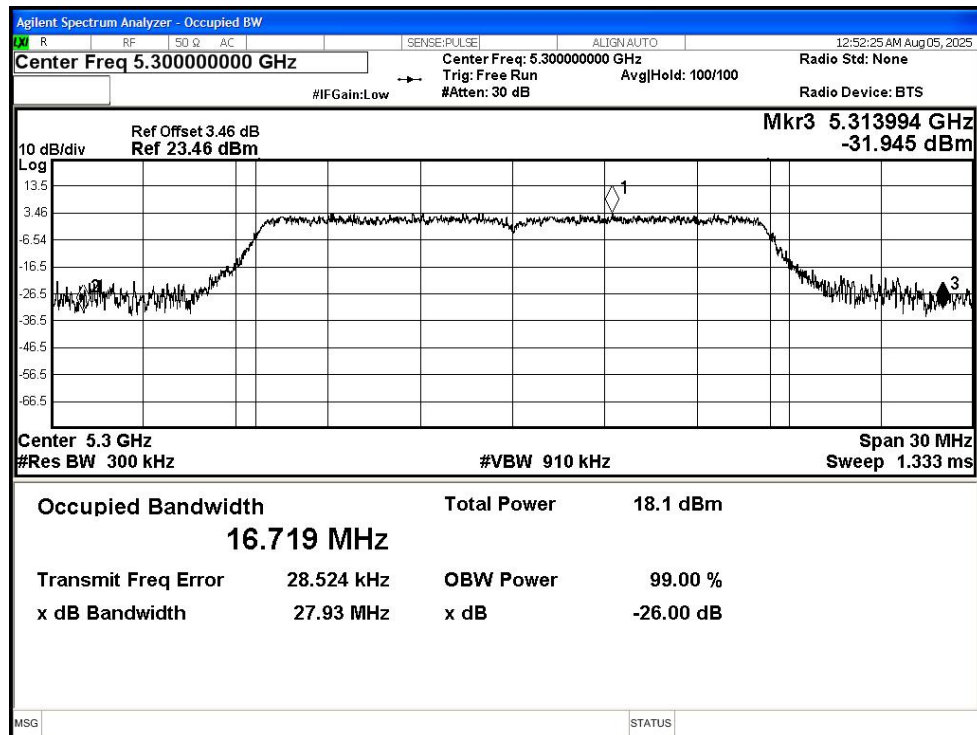
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	25.648	---	Pass
NVNT	a	5300	Ant1	27.931	---	Pass
NVNT	a	5320	Ant1	25.063	---	Pass
NVNT	n20	5260	Ant1	26.714	---	Pass
NVNT	n20	5300	Ant1	28.43	---	Pass
NVNT	n20	5320	Ant1	28.591	---	Pass
NVNT	n40	5270	Ant1	49.458	---	Pass
NVNT	n40	5310	Ant1	46.92	---	Pass
NVNT	ac20	5260	Ant1	28.496	---	Pass
NVNT	ac20	5300	Ant1	27.612	---	Pass
NVNT	ac20	5320	Ant1	29.305	---	Pass
NVNT	ac40	5270	Ant1	48.651	---	Pass
NVNT	ac40	5310	Ant1	49.352	---	Pass
NVNT	ax20	5260	Ant1	28.092	---	Pass
NVNT	ax20	5300	Ant1	29.677	---	Pass
NVNT	ax20	5320	Ant1	26.831	---	Pass
NVNT	ax40	5270	Ant1	44.609	---	Pass
NVNT	ax40	5310	Ant1	43.478	---	Pass

Test Graphs

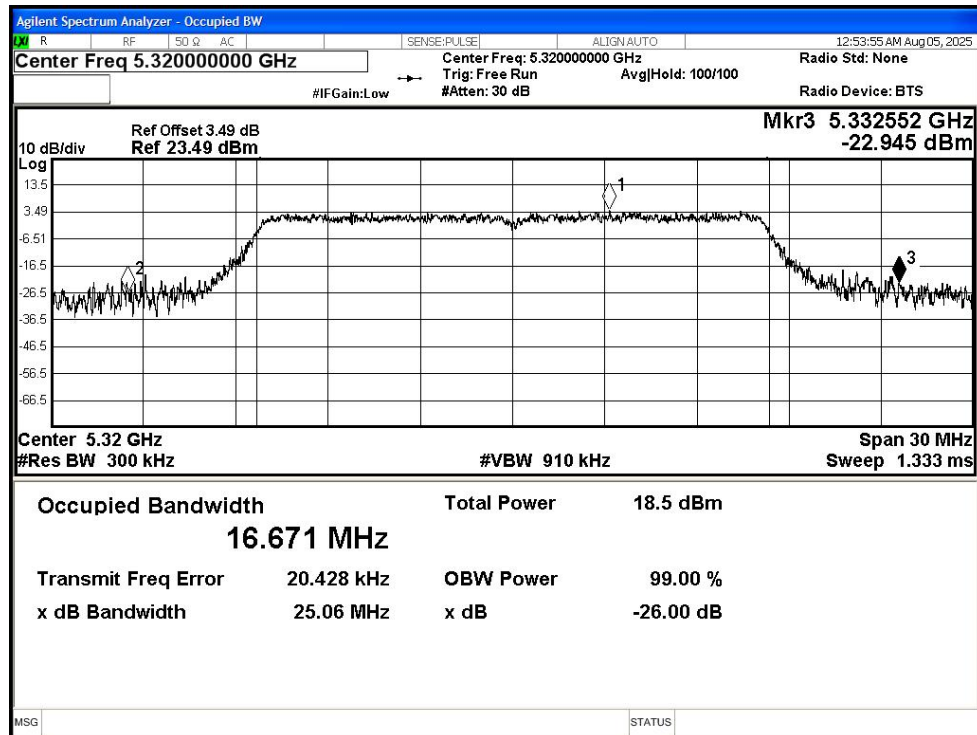
-26dB Bandwidth NVNT a 5260MHz Ant1



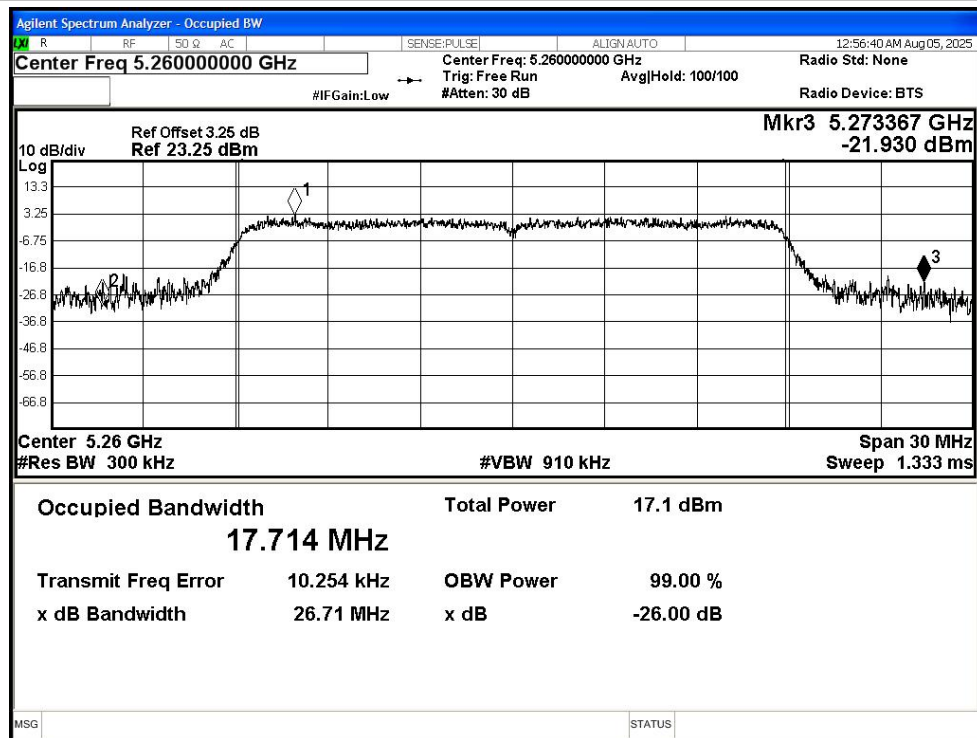
-26dB Bandwidth NVNT a 5300MHz Ant1



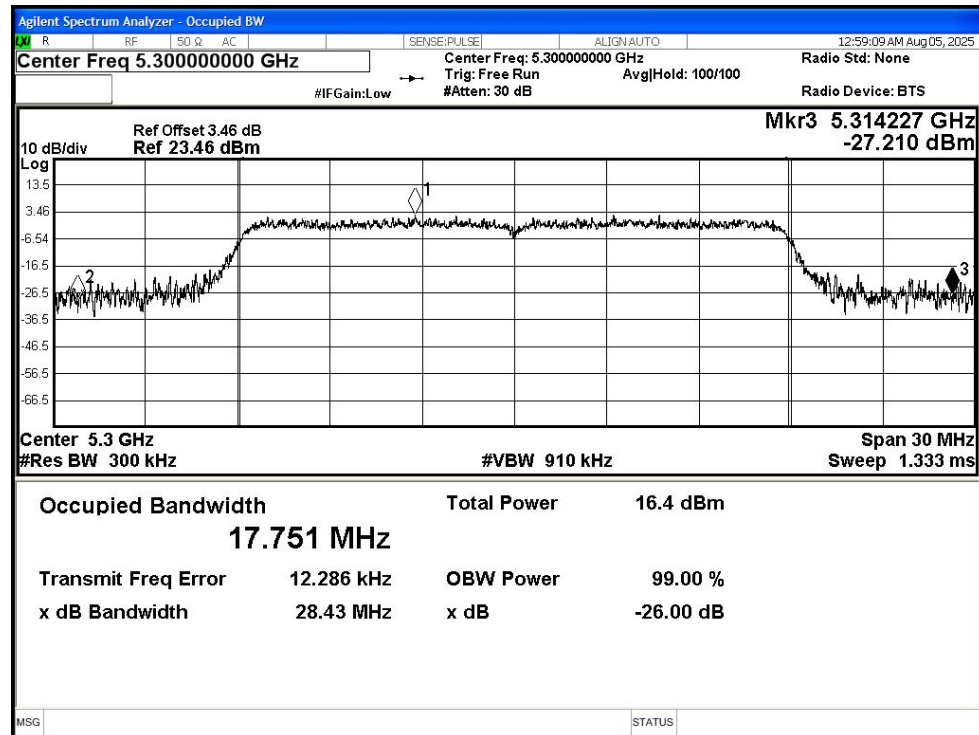
-26dB Bandwidth NVNT a 5320MHz Ant1



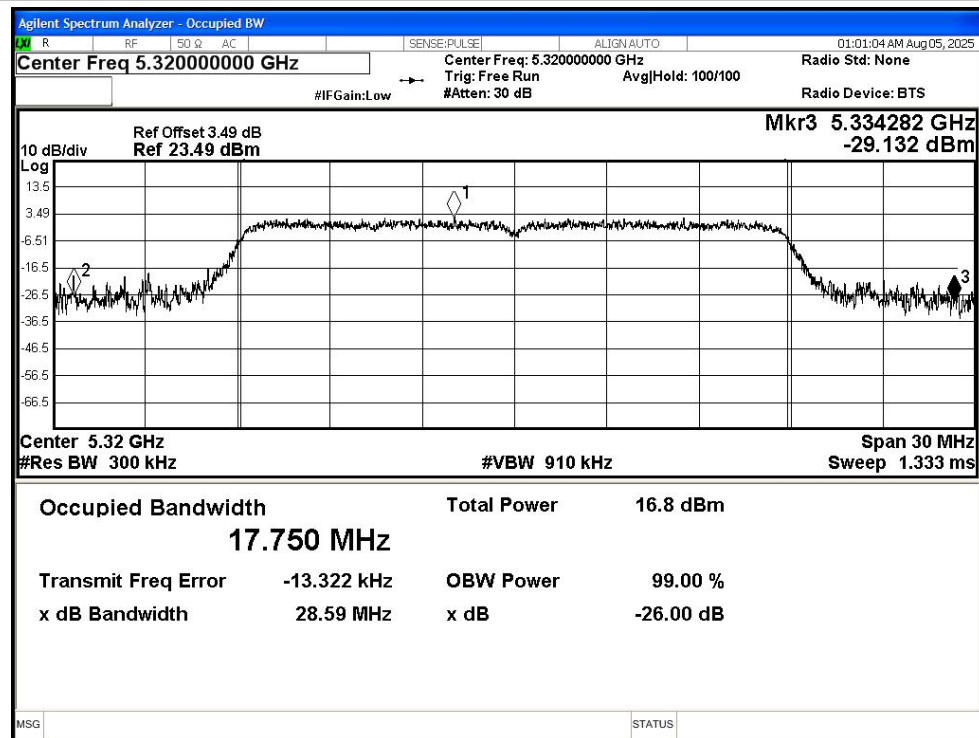
-26dB Bandwidth NVNT n20 5260MHz Ant1



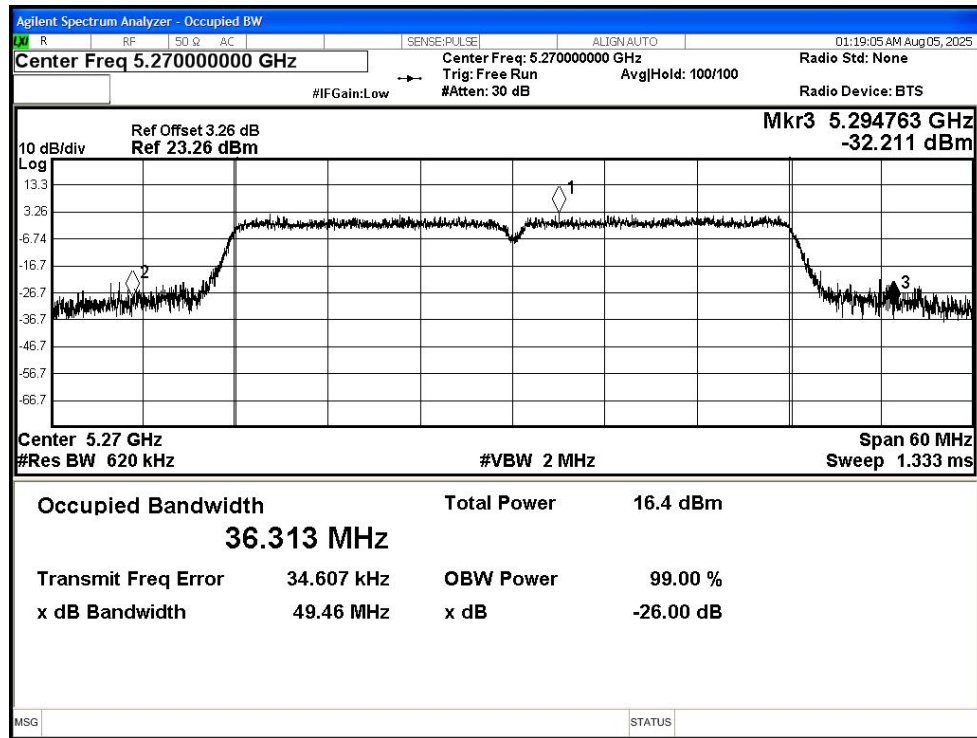
-26dB Bandwidth NVNT n20 5300MHz Ant1



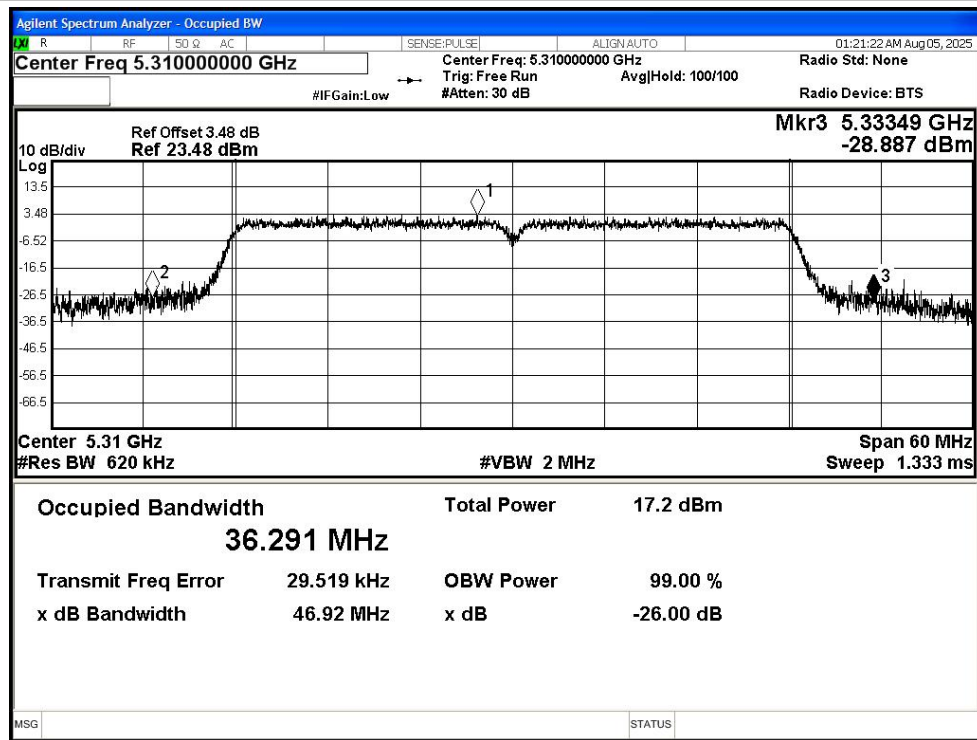
-26dB Bandwidth NVNT n20 5320MHz Ant1



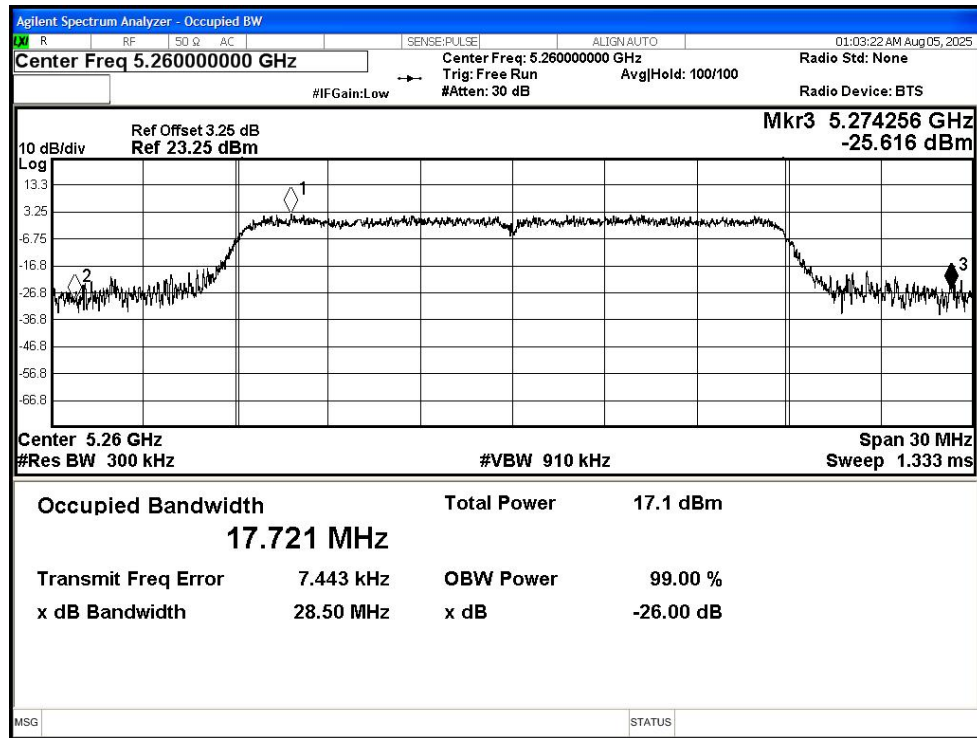
-26dB Bandwidth NVNT n40 5270MHz Ant1



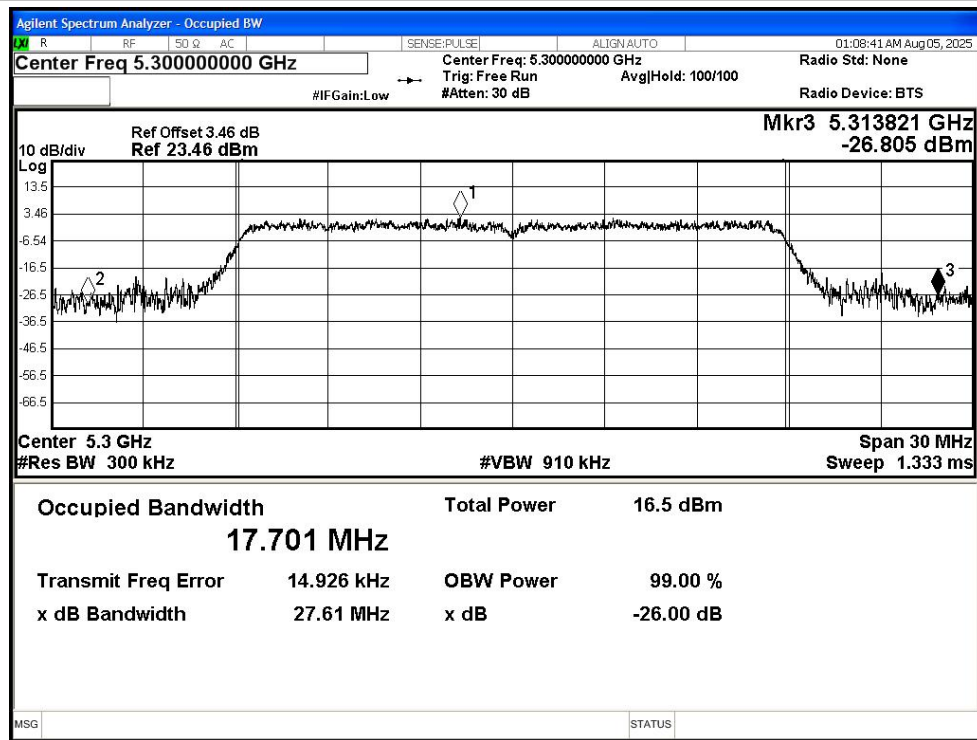
-26dB Bandwidth NVNT n40 5310MHz Ant1



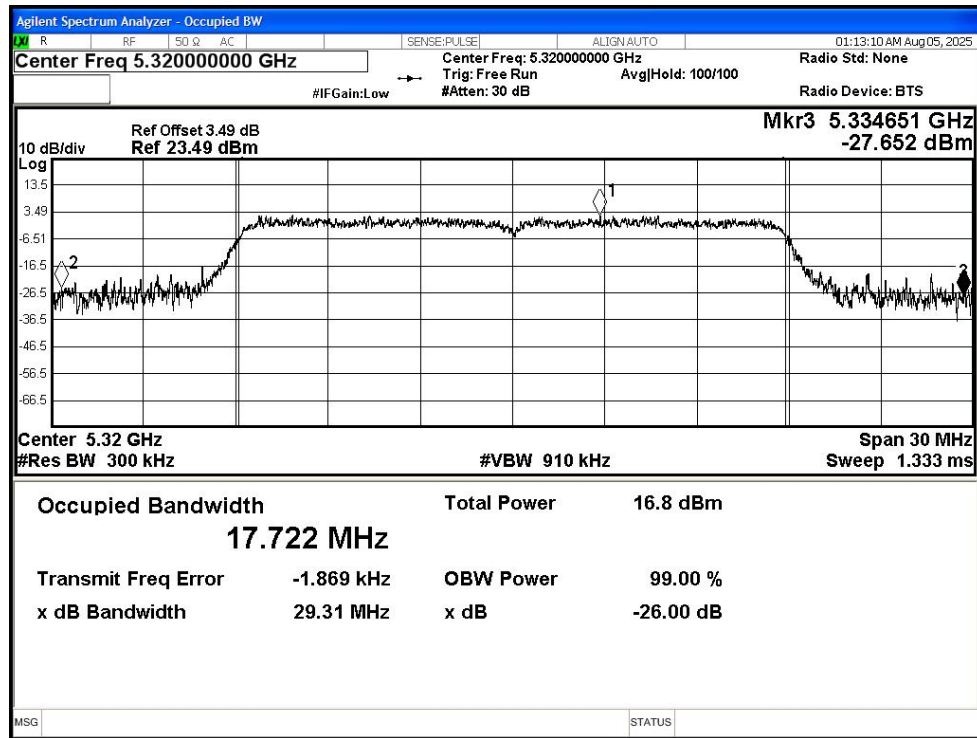
-26dB Bandwidth NVNT ac20 5260MHz Ant1



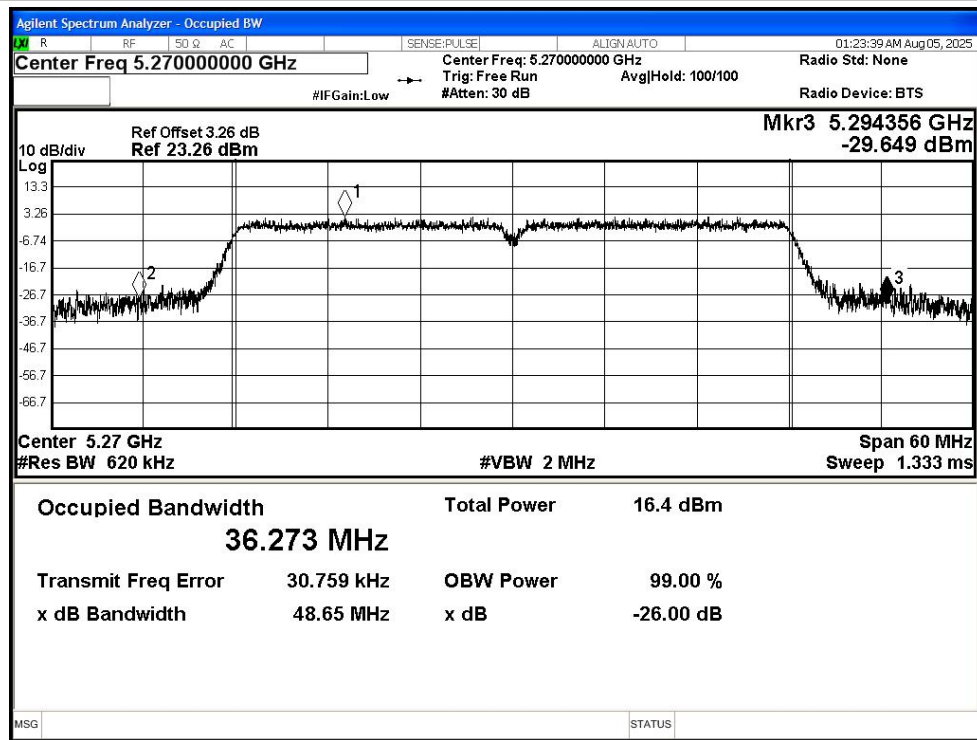
-26dB Bandwidth NVNT ac20 5300MHz Ant1



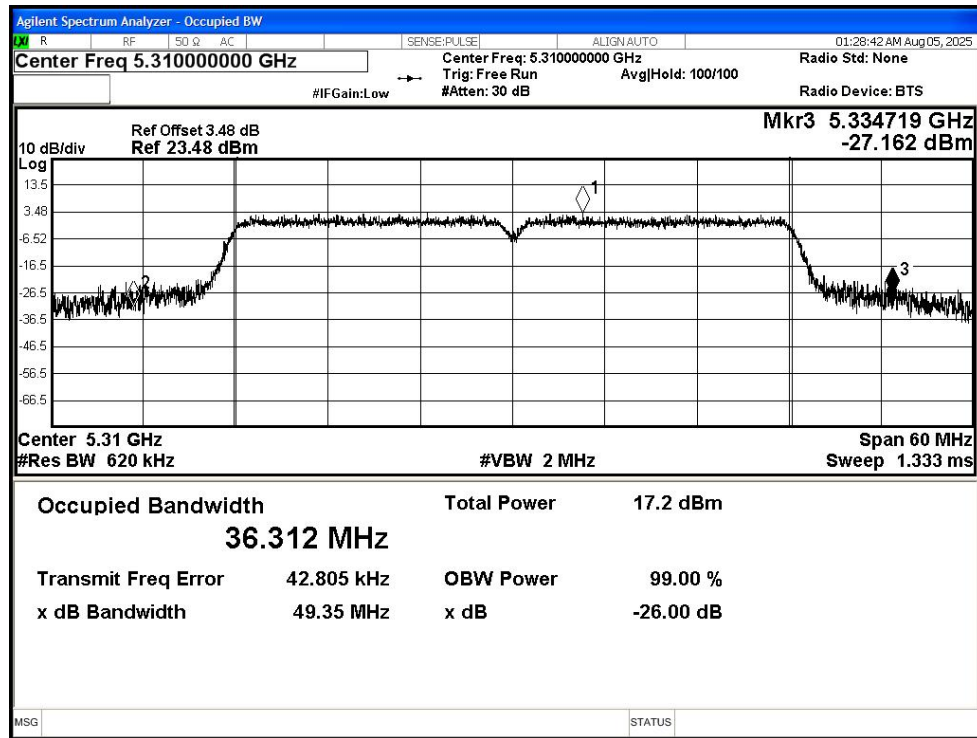
-26dB Bandwidth NVNT ac20 5320MHz Ant1



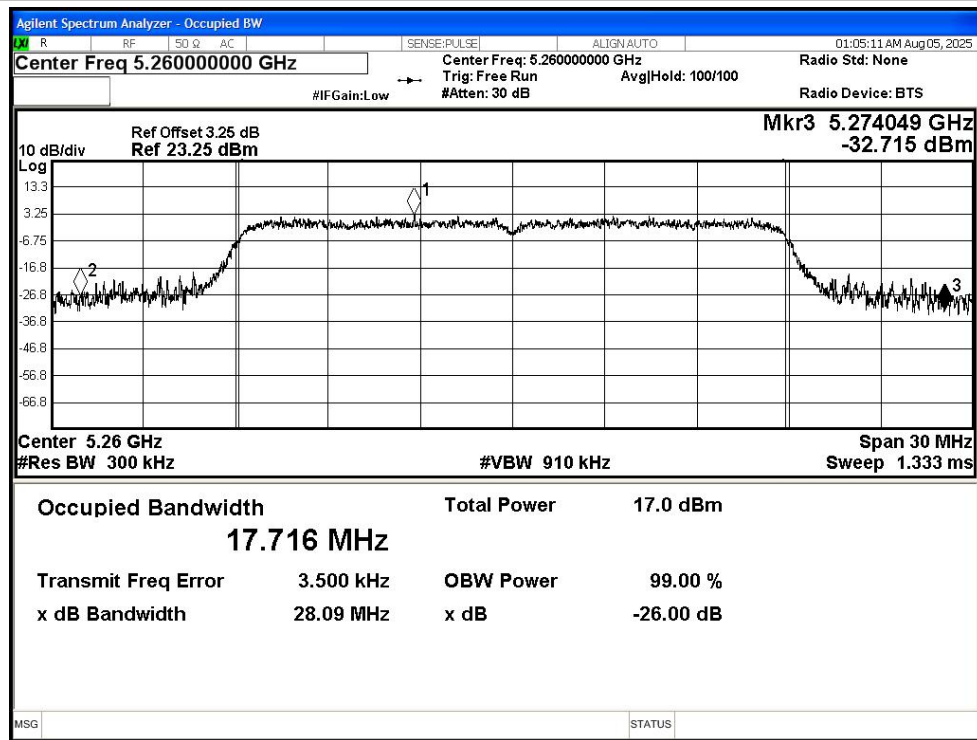
-26dB Bandwidth NVNT ac40 5270MHz Ant1



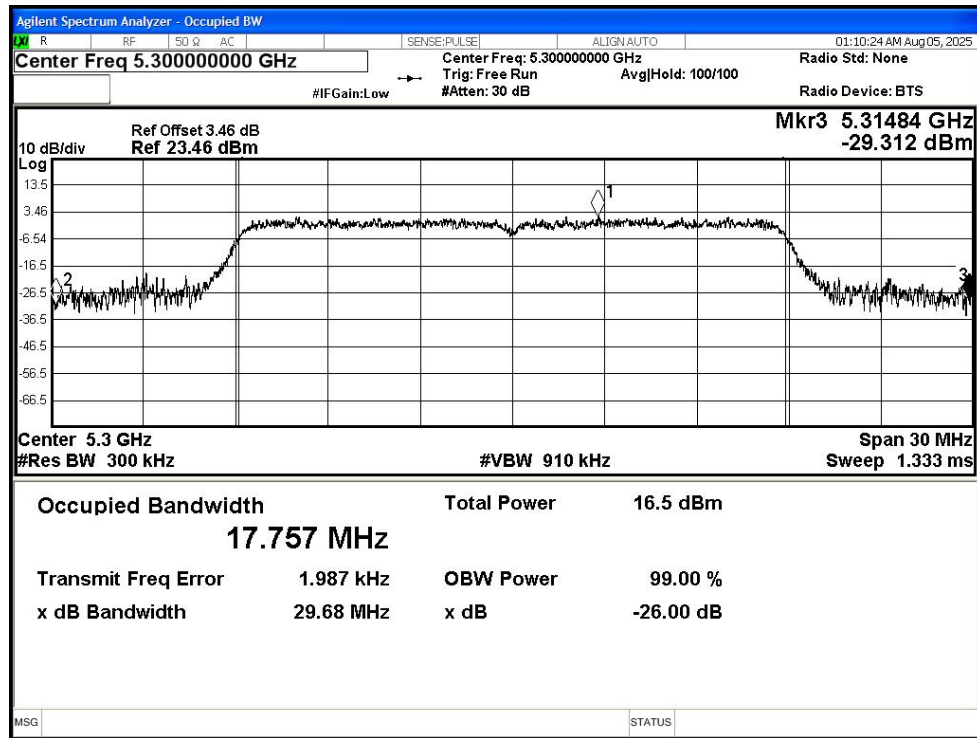
-26dB Bandwidth NVNT ac40 5310MHz Ant1



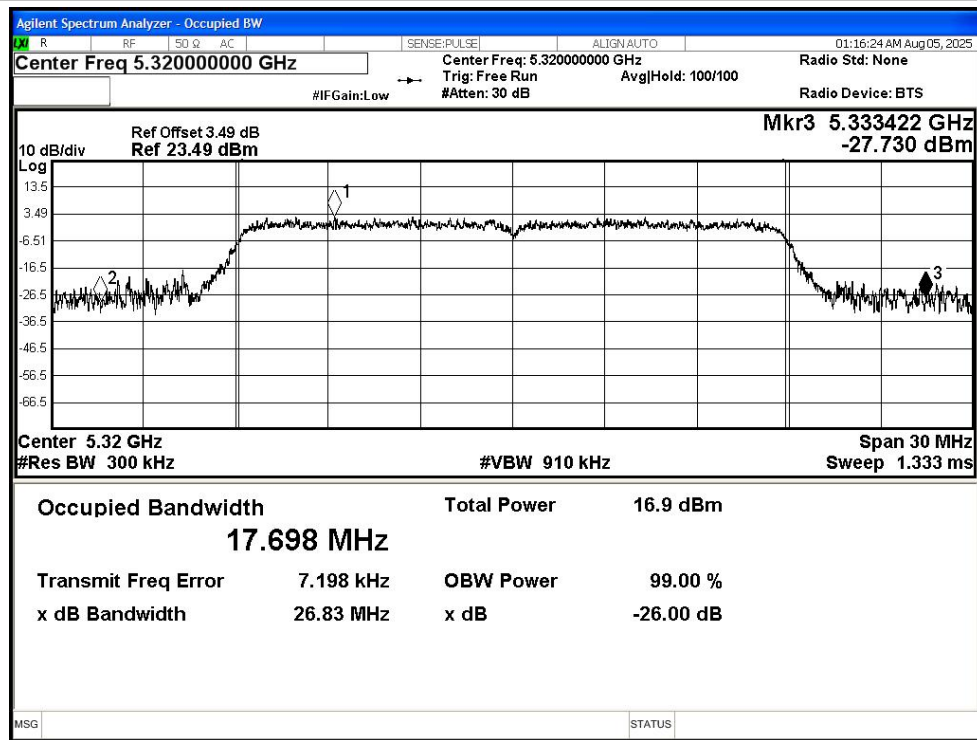
-26dB Bandwidth NVNT ax20 5260MHz Ant1



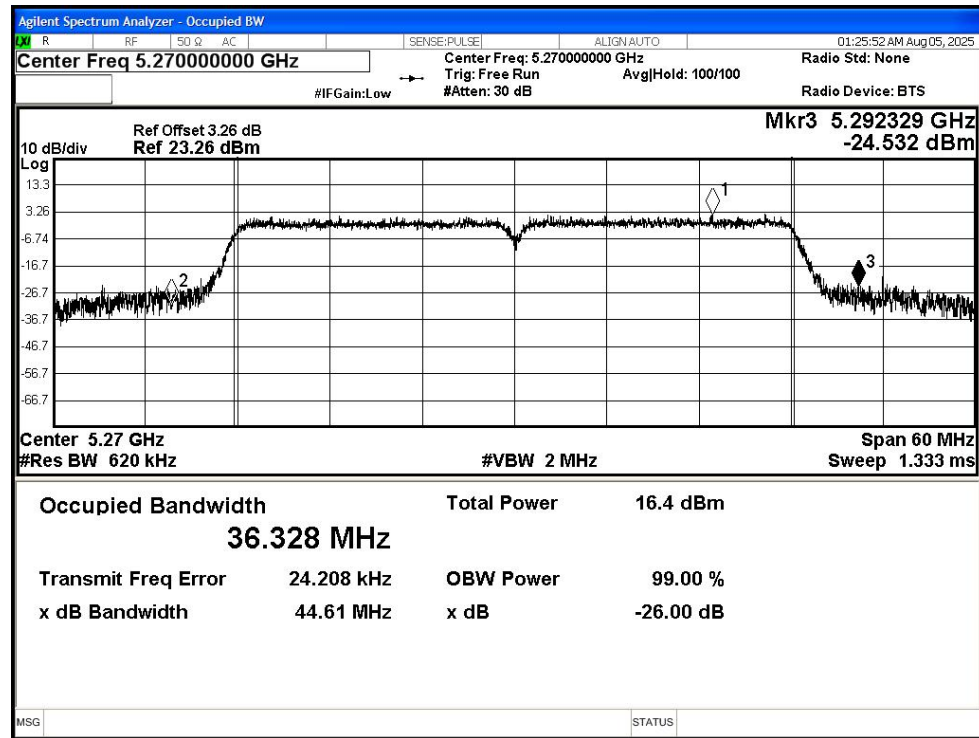
-26dB Bandwidth NVNT ax20 5300MHz Ant1



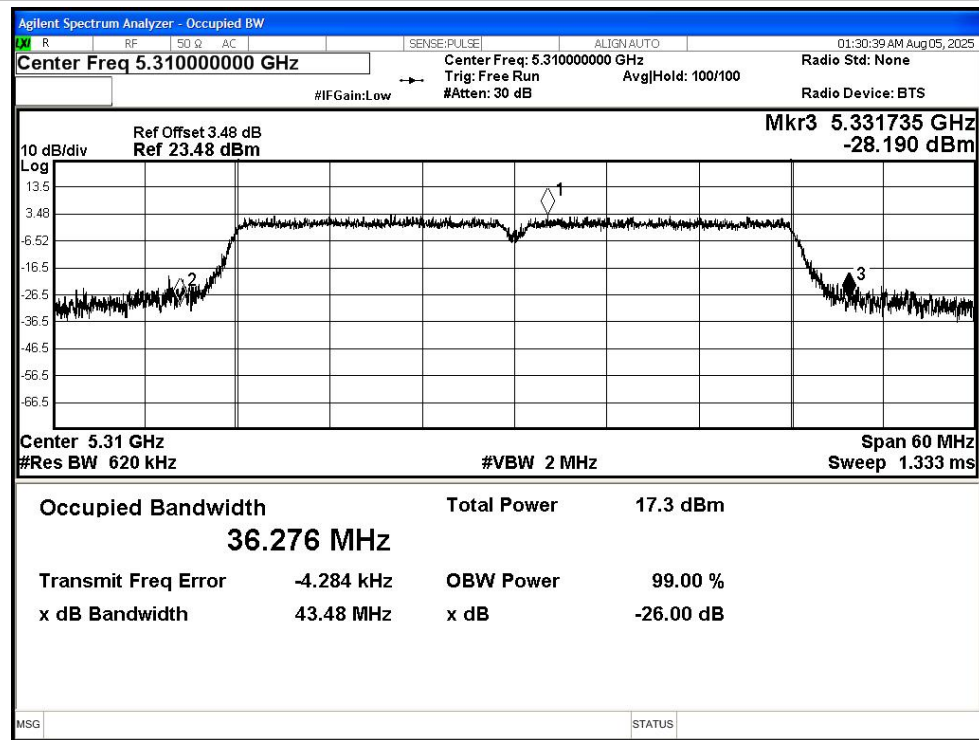
-26dB Bandwidth NVNT ax20 5320MHz Ant1



-26dB Bandwidth NVNT ax40 5270MHz Ant1



-26dB Bandwidth NVNT ax40 5310MHz Ant1



Maximum Conducted Output Power

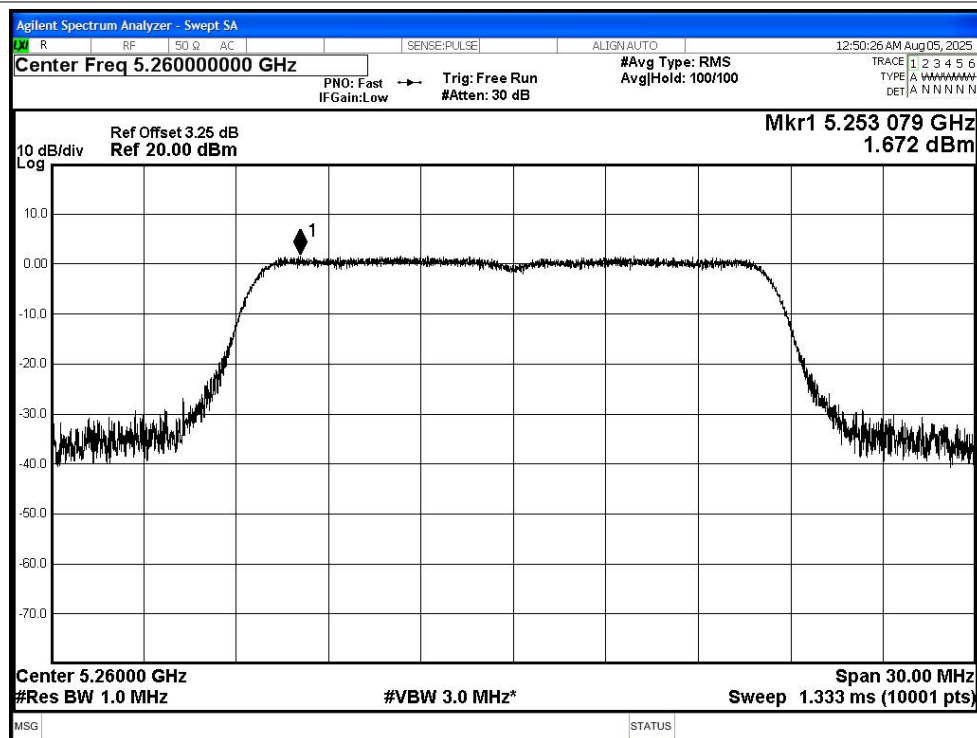
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	12.35	0.24	12.59	24	Pass
NVNT	a	5300	Ant1	12.37	0.24	12.61	24	Pass
NVNT	a	5320	Ant1	12.8	0.24	13.04	24	Pass
NVNT	n20	5260	Ant1	11.59	0.12	11.71	24	Pass
NVNT	n20	5300	Ant1	11	0.12	11.12	24	Pass
NVNT	n20	5320	Ant1	11.32	0.12	11.44	24	Pass
NVNT	n40	5270	Ant1	10.29	0.23	10.52	24	Pass
NVNT	n40	5310	Ant1	11.07	0.24	11.31	24	Pass
NVNT	ac20	5260	Ant1	11.52	0.12	11.64	24	Pass
NVNT	ac20	5300	Ant1	11.01	0.12	11.13	24	Pass
NVNT	ac20	5320	Ant1	11.37	0.12	11.49	24	Pass
NVNT	ac40	5270	Ant1	10.3	0.23	10.53	24	Pass
NVNT	ac40	5310	Ant1	11.08	0.24	11.32	24	Pass
NVNT	ax20	5260	Ant1	11.4	0.12	11.52	24	Pass
NVNT	ax20	5300	Ant1	11.04	0.12	11.16	24	Pass
NVNT	ax20	5320	Ant1	11.39	0.12	11.51	24	Pass
NVNT	ax40	5270	Ant1	10.25	0.24	10.49	24	Pass
NVNT	ax40	5310	Ant1	11.06	0.24	11.3	24	Pass

Maximum Power Spectral Density Level

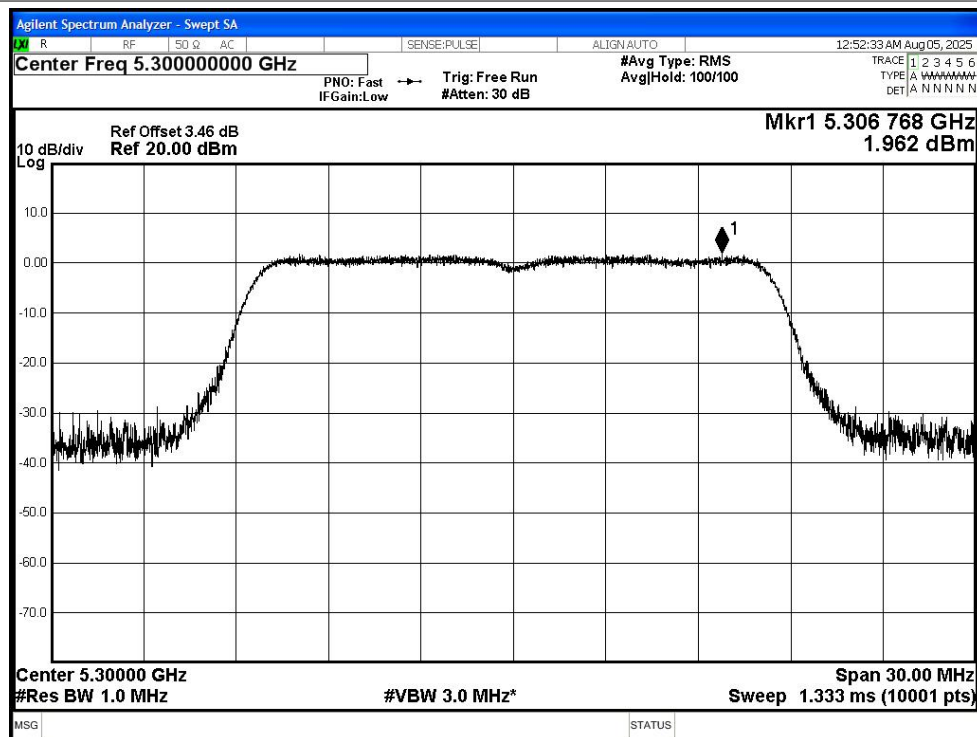
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	1.67	0.24	1.91	11	Pass
NVNT	a	5300	Ant1	1.96	0.24	2.2	11	Pass
NVNT	a	5320	Ant1	2.32	0.24	2.56	11	Pass
NVNT	n20	5260	Ant1	0.87	0.12	0.99	11	Pass
NVNT	n20	5300	Ant1	0.17	0.12	0.29	11	Pass
NVNT	n20	5320	Ant1	0.47	0.12	0.59	11	Pass
NVNT	n40	5270	Ant1	-3.46	0.23	-3.23	11	Pass
NVNT	n40	5310	Ant1	-3.08	0.24	-2.84	11	Pass
NVNT	ac20	5260	Ant1	0.74	0.12	0.86	11	Pass
NVNT	ac20	5300	Ant1	0.02	0.12	0.14	11	Pass
NVNT	ac20	5320	Ant1	0.67	0.12	0.79	11	Pass
NVNT	ac40	5270	Ant1	-3.6	0.23	-3.37	11	Pass
NVNT	ac40	5310	Ant1	-2.81	0.24	-2.57	11	Pass
NVNT	ax20	5260	Ant1	0.68	0.12	0.8	11	Pass
NVNT	ax20	5300	Ant1	0.25	0.12	0.37	11	Pass
NVNT	ax20	5320	Ant1	0.38	0.12	0.5	11	Pass
NVNT	ax40	5270	Ant1	-3.65	0.24	-3.41	11	Pass
NVNT	ax40	5310	Ant1	-2.99	0.24	-2.75	11	Pass

Test Graphs

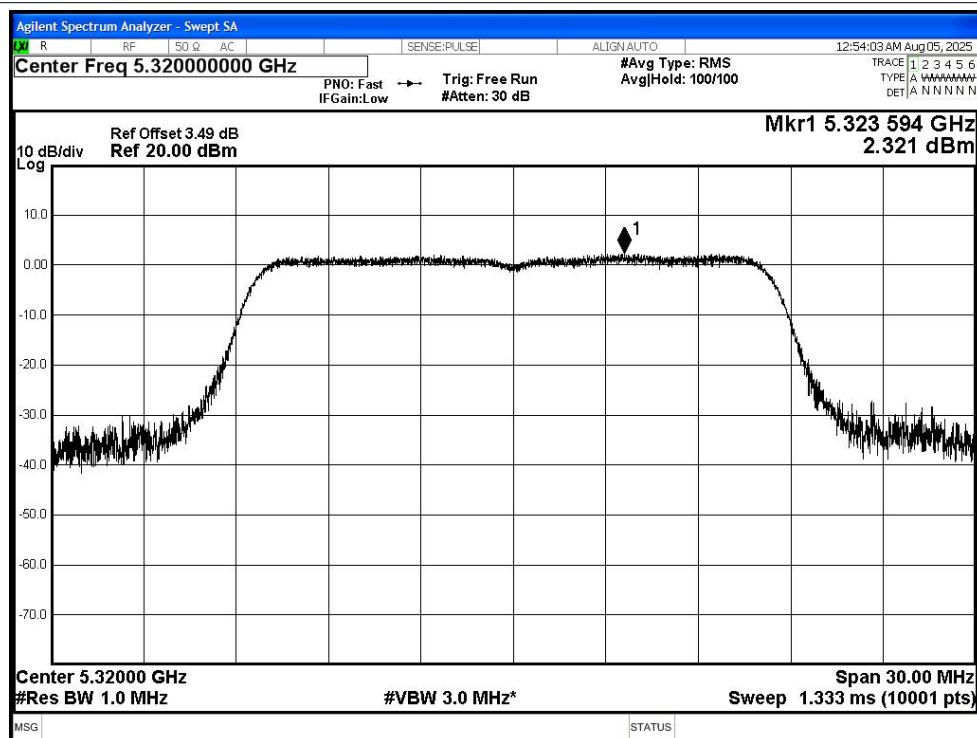
PSD NVNT a 5260MHz Ant1



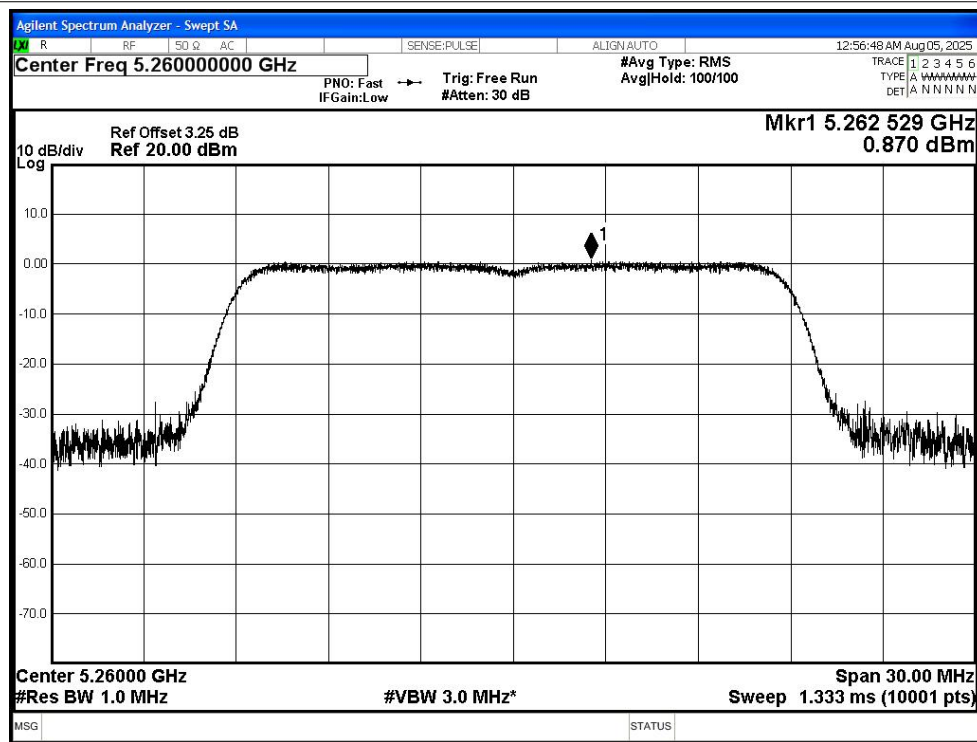
PSD NVNT a 5300MHz Ant1



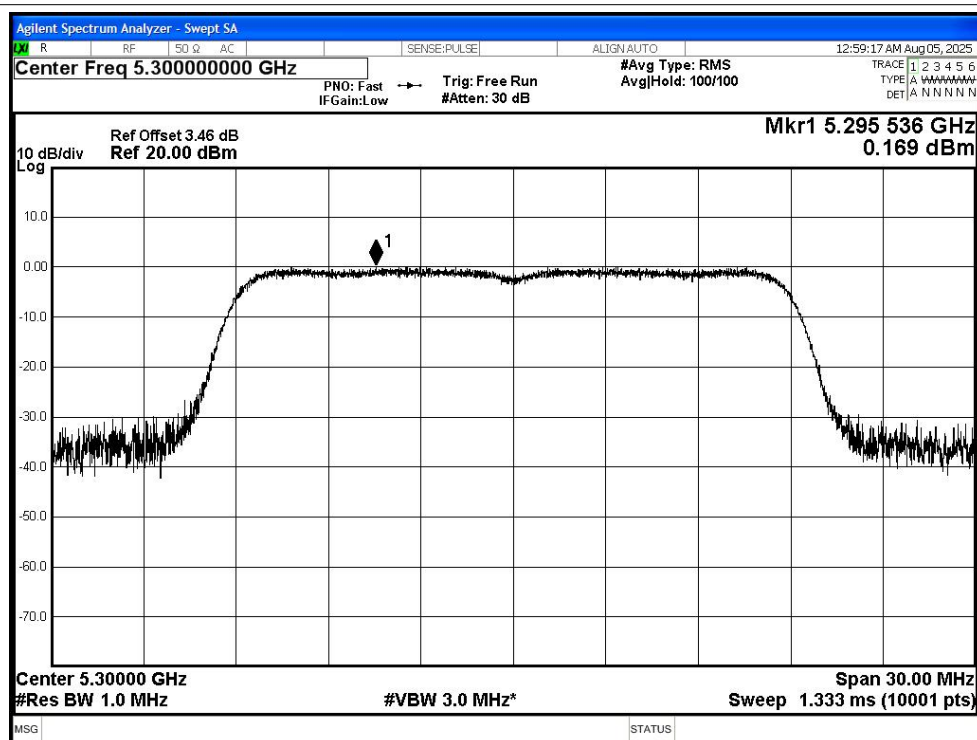
PSD NVNT a 5320MHz Ant1



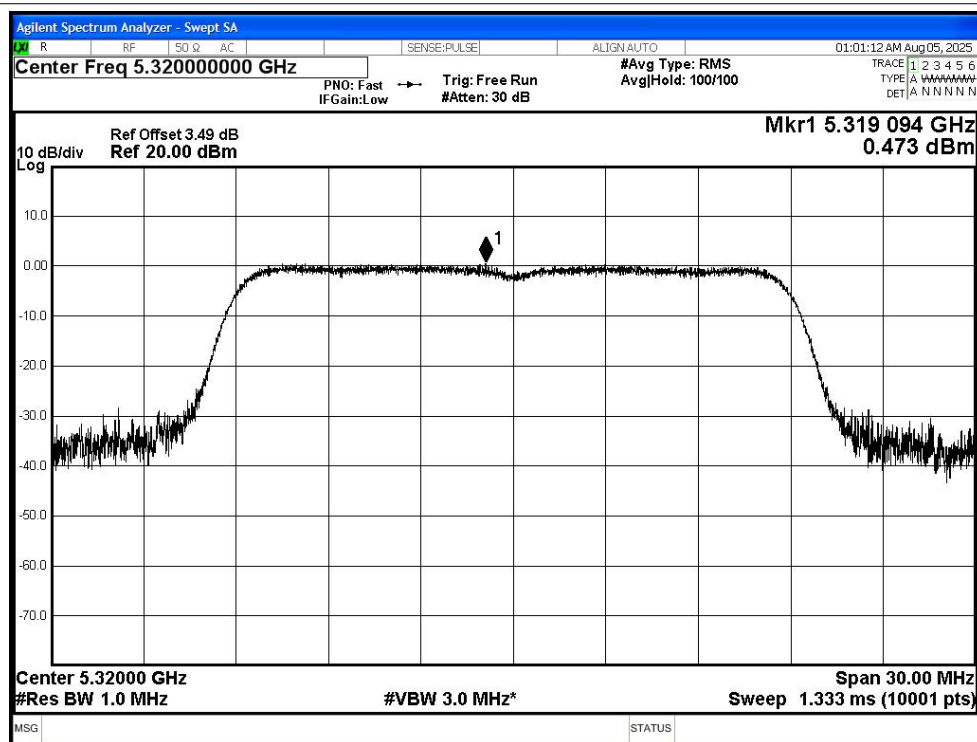
PSD NVNT n20 5260MHz Ant1



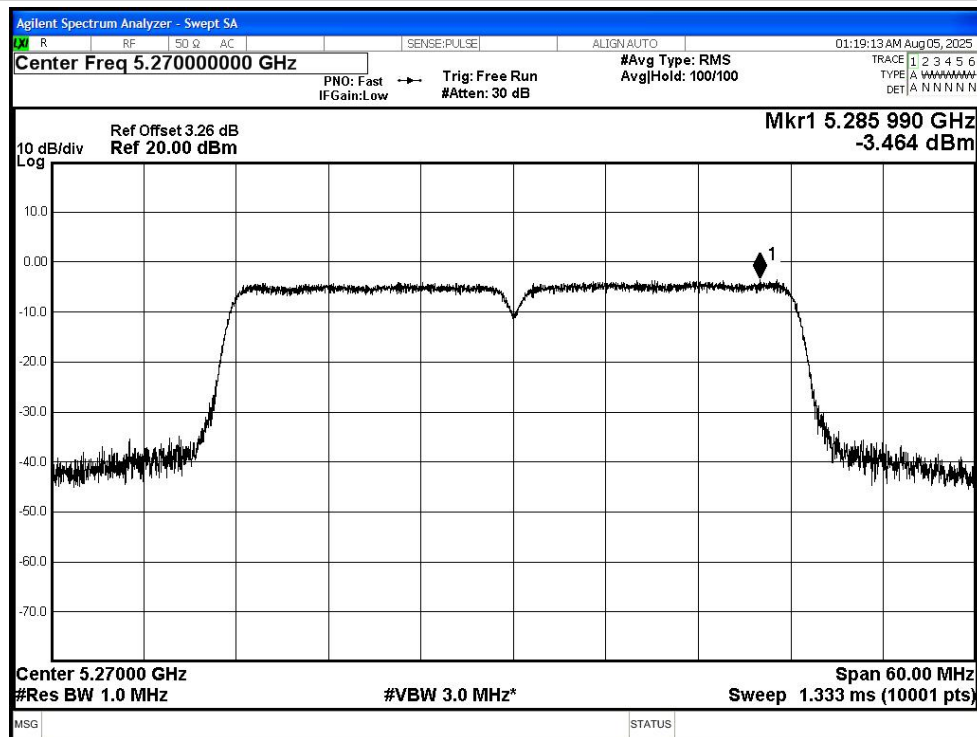
PSD NVNT n20 5300MHz Ant1



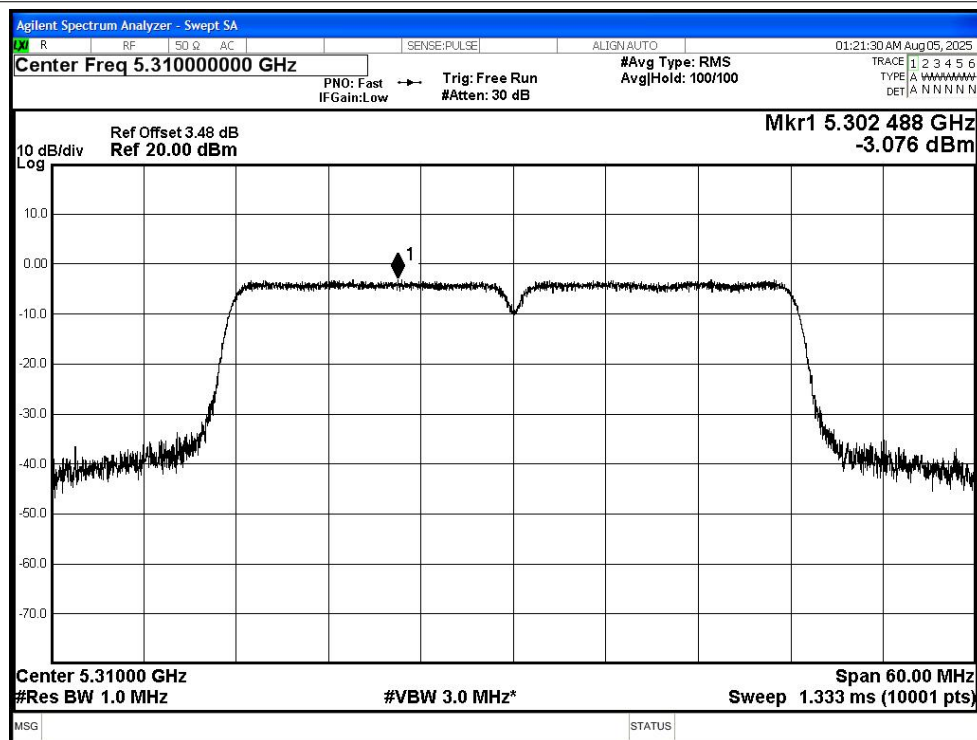
PSD NVNT n20 5320MHz Ant1



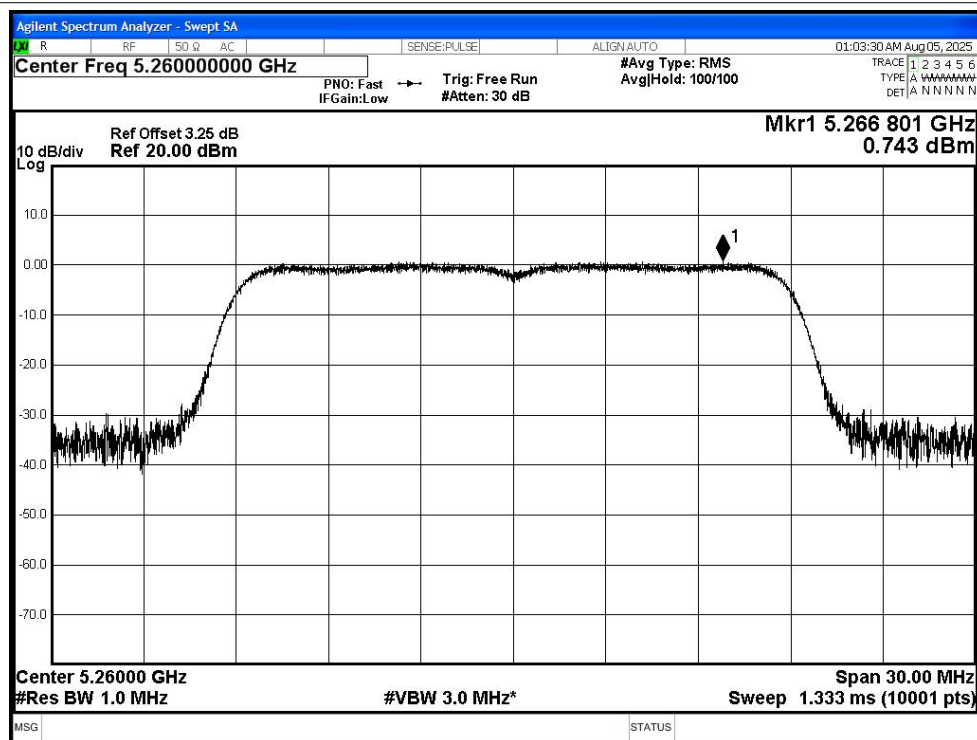
PSD NVNT n40 5270MHz Ant1



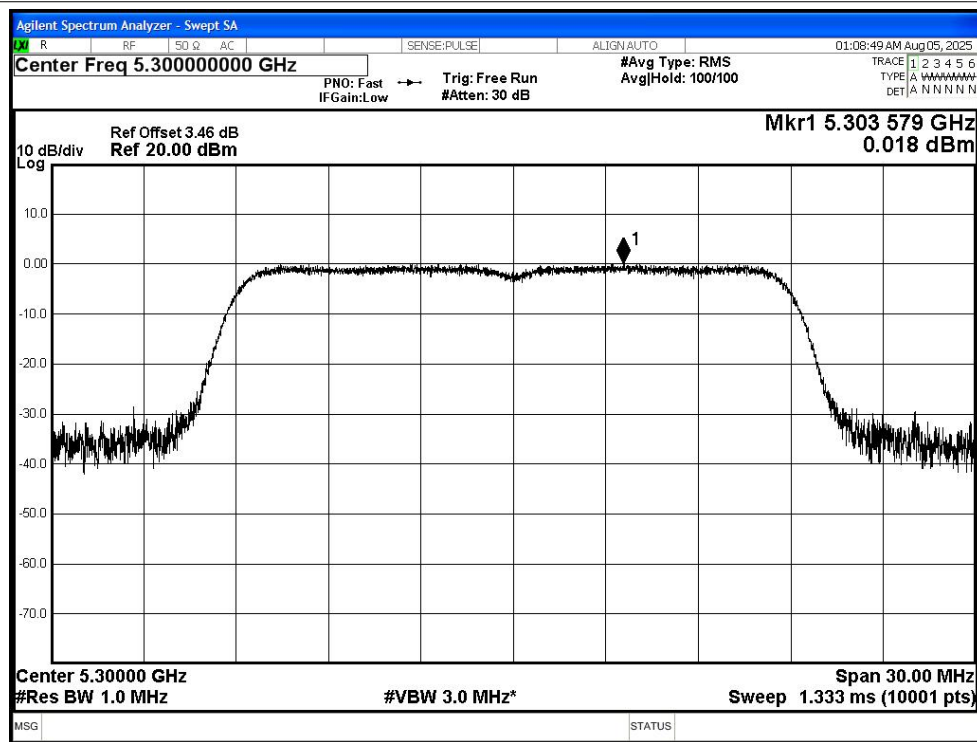
PSD NVNT n40 5310MHz Ant1



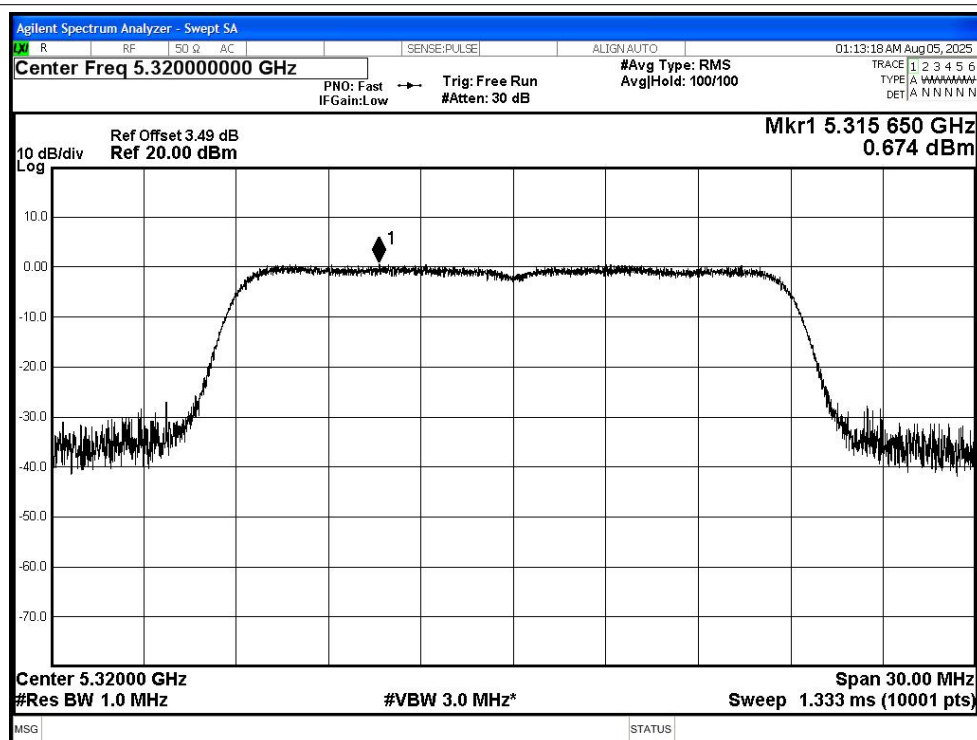
PSD NVNT ac20 5260MHz Ant1



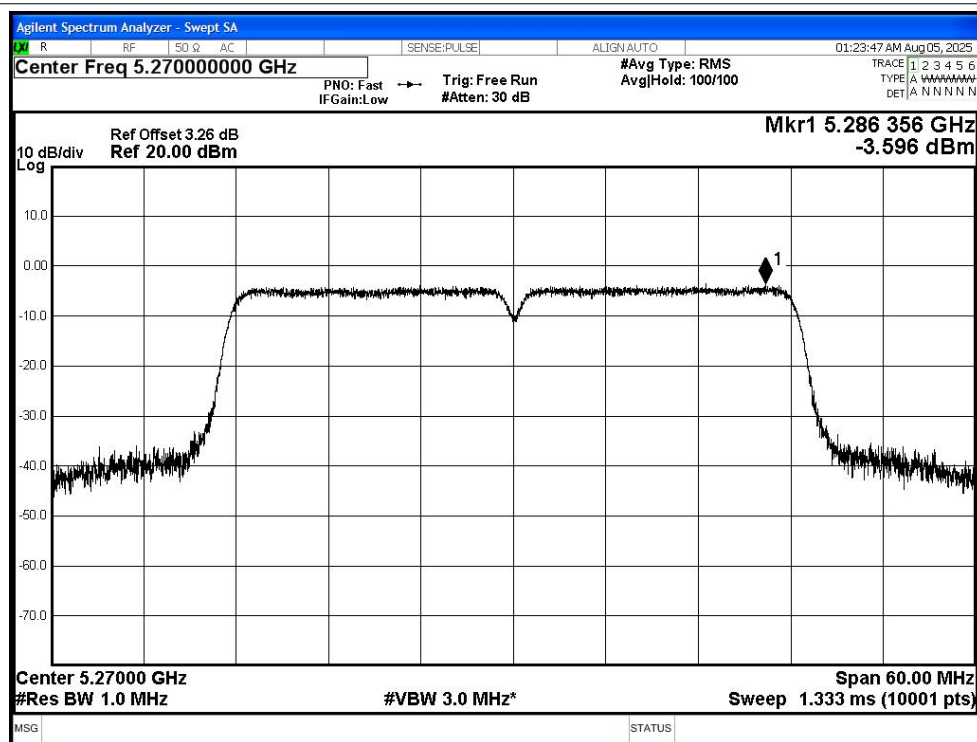
PSD NVNT ac20 5300MHz Ant1



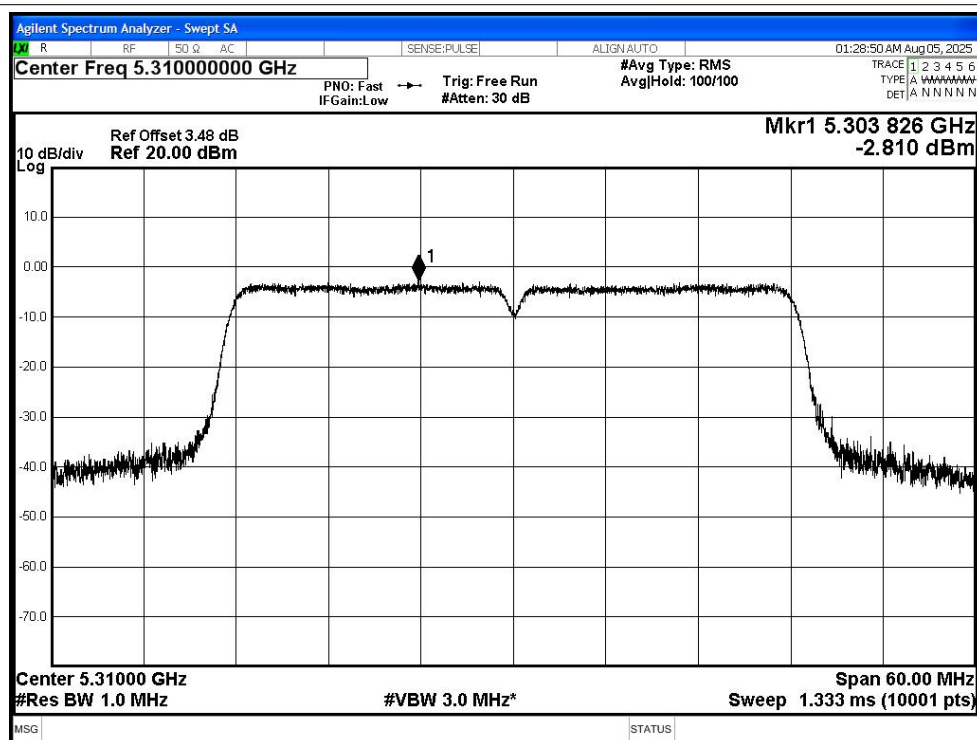
PSD NVNT ac20 5320MHz Ant1



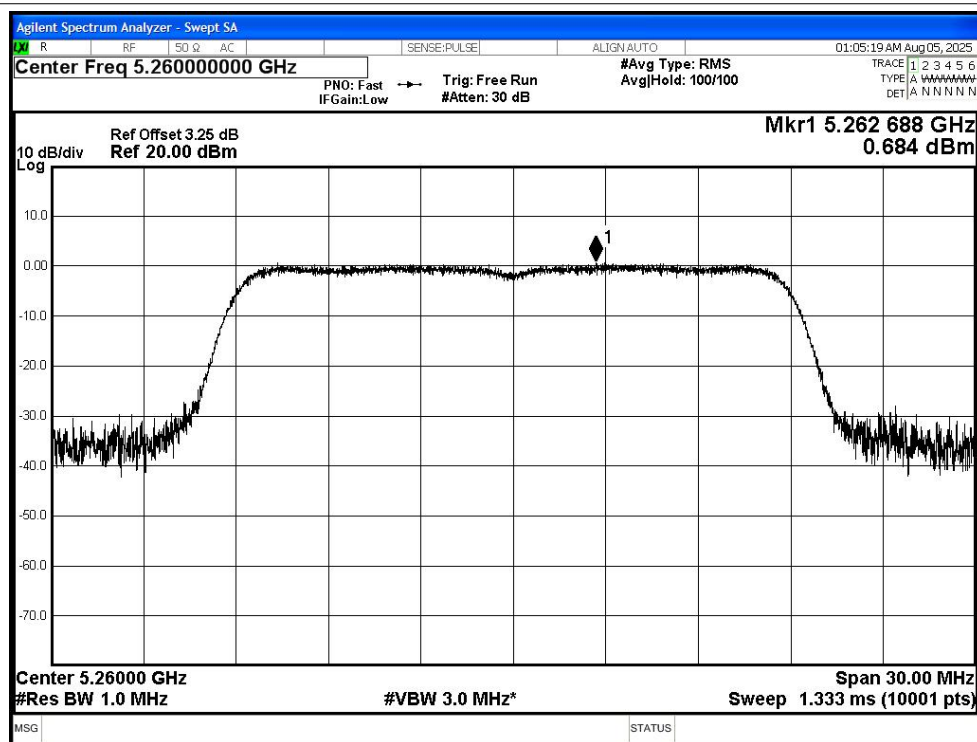
PSD NVNT ac40 5270MHz Ant1



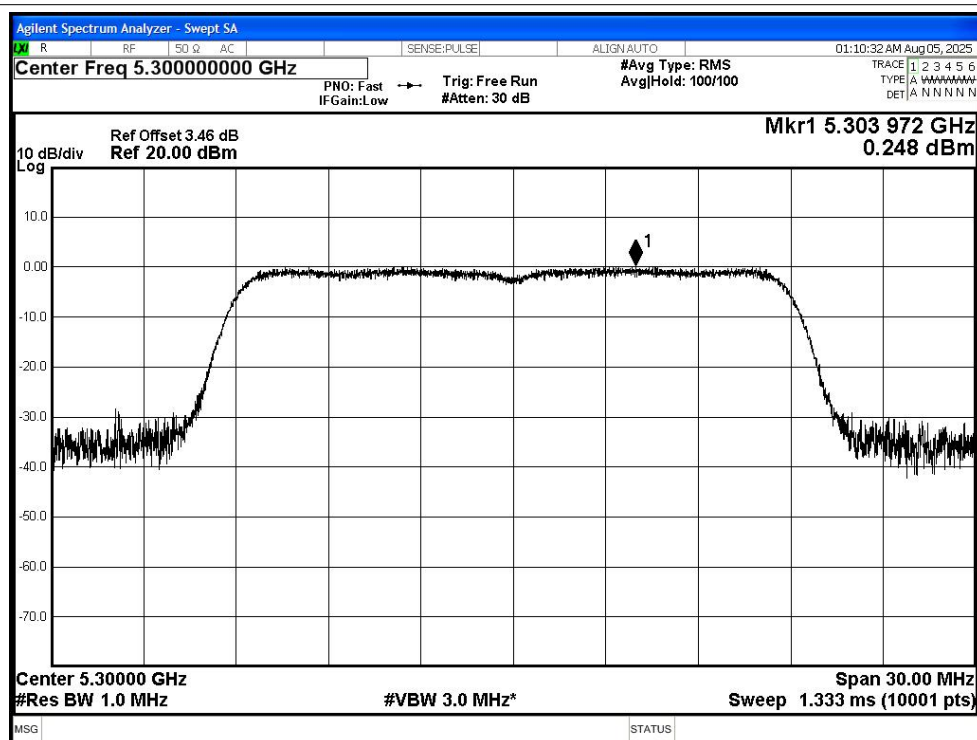
PSD NVNT ac40 5310MHz Ant1



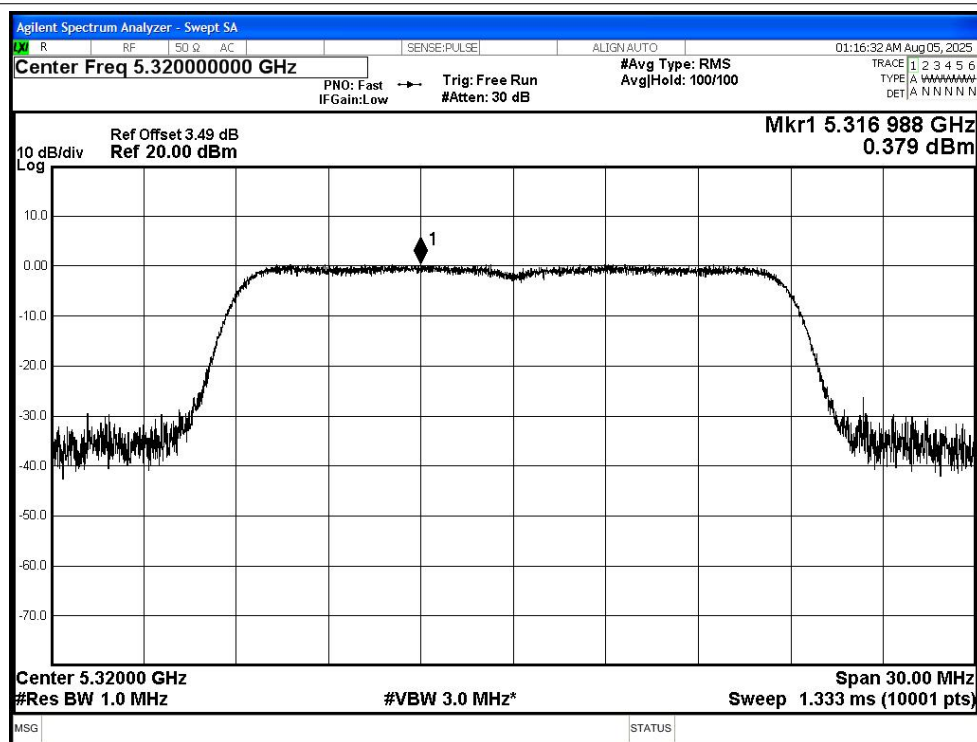
PSD NVNT ax20 5260MHz Ant1



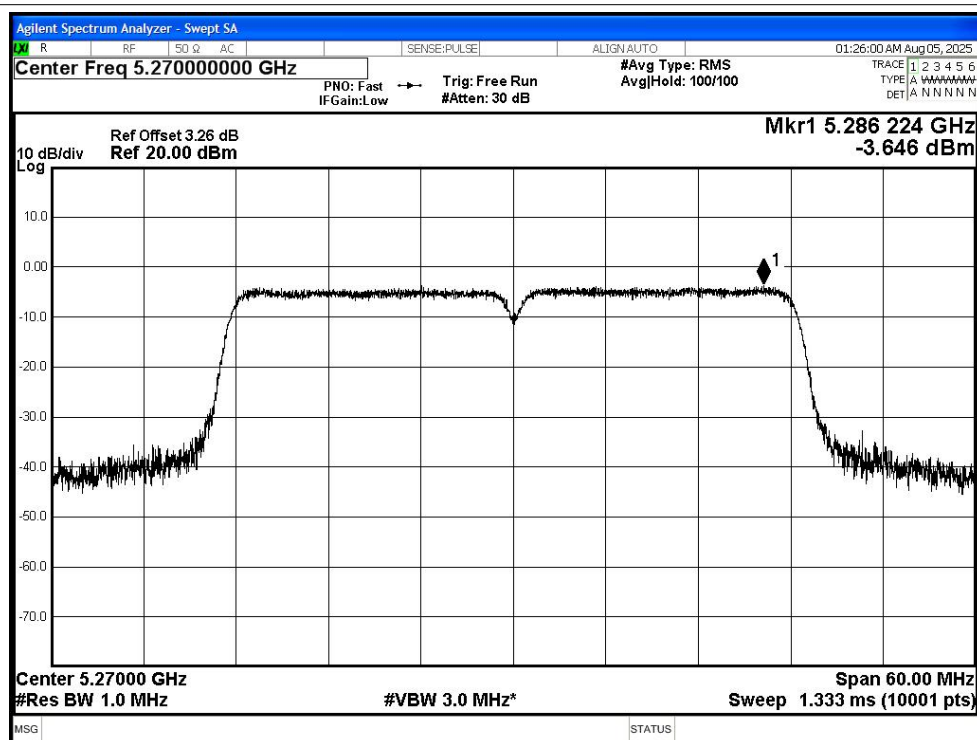
PSD NVNT ax20 5300MHz Ant1



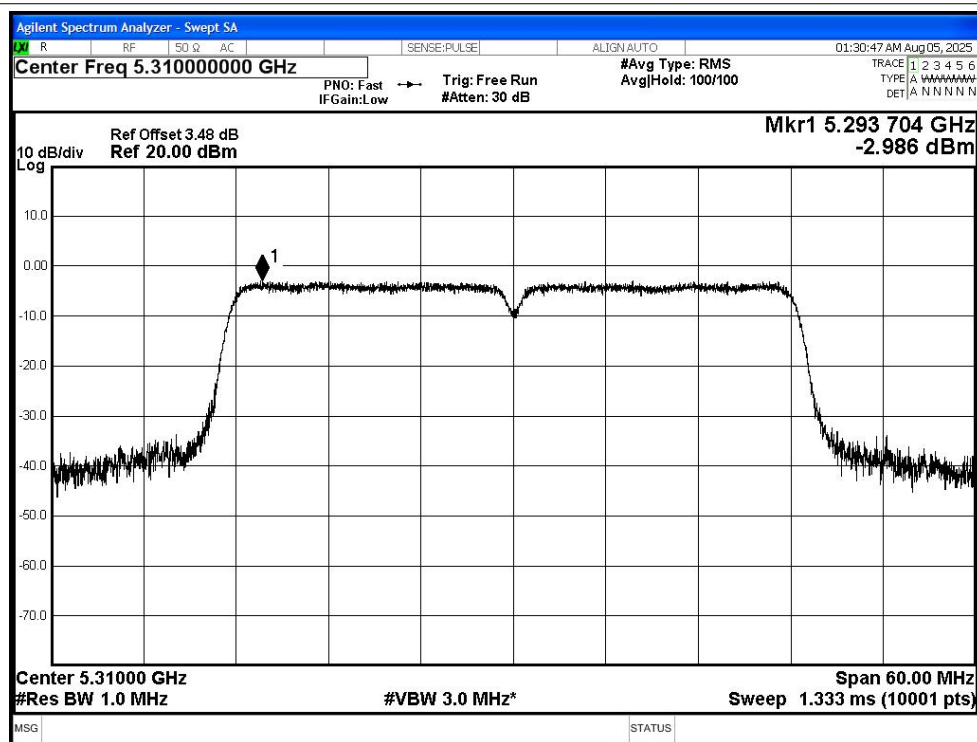
PSD NVNT ax20 5320MHz Ant1



PSD NVNT ax40 5270MHz Ant1



PSD NVNT ax40 5310MHz Ant1

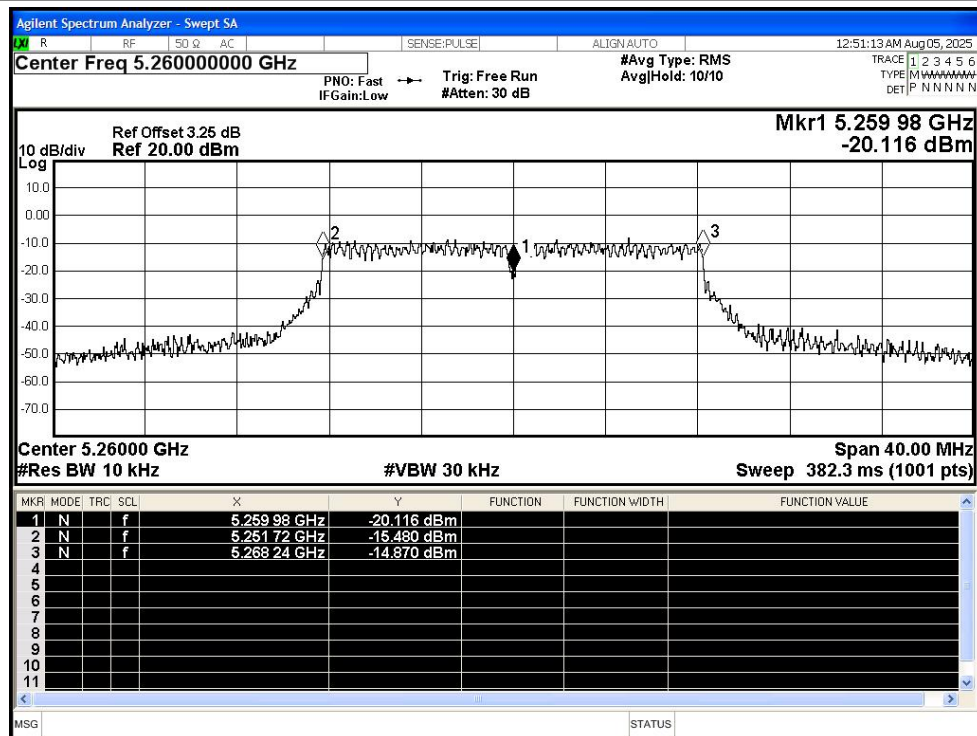


Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5260	Ant1	5259.98	-20000	-3.8	25	Pass
NVNT	a	5300	Ant1	5299.98	-20000	-3.77	25	Pass
NVNT	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NVNT	n20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
NVNT	n20	5300	Ant1	5299.96	-40000	-7.55	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	5309.96	-40000	-7.53	25	Pass
NVNT	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
NVNT	ac20	5300	Ant1	5299.98	-20000	-3.77	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	ax20	5260	Ant1	5260	0	0	25	Pass
NVNT	ax20	5300	Ant1	5299.98	-20000	-3.77	25	Pass
NVNT	ax20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NVNT	ax40	5270	Ant1	5270	0	0	25	Pass
NVNT	ax40	5310	Ant1	5310	0	0	25	Pass

Test Graphs

Freq. Stability NVNT a 5260MHz Ant1



Freq. Stability NVNT a 5300MHz Ant1

