Appendix E

RF Test Data for 5.5GWIFI (Conducted Measurement)

Product Name: Pro Vision 4K

Test Model: Pro Vision 4K

Environmental Conditions

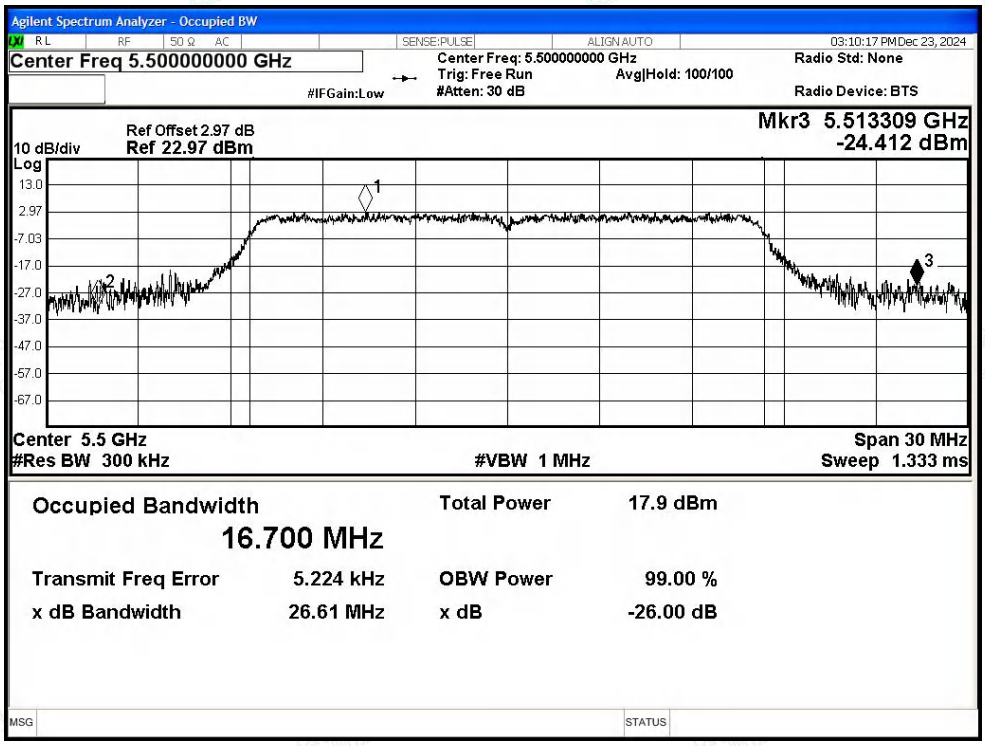
Temperature:	24.3°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Nick Peng

E.1 -26dB Bandwidth

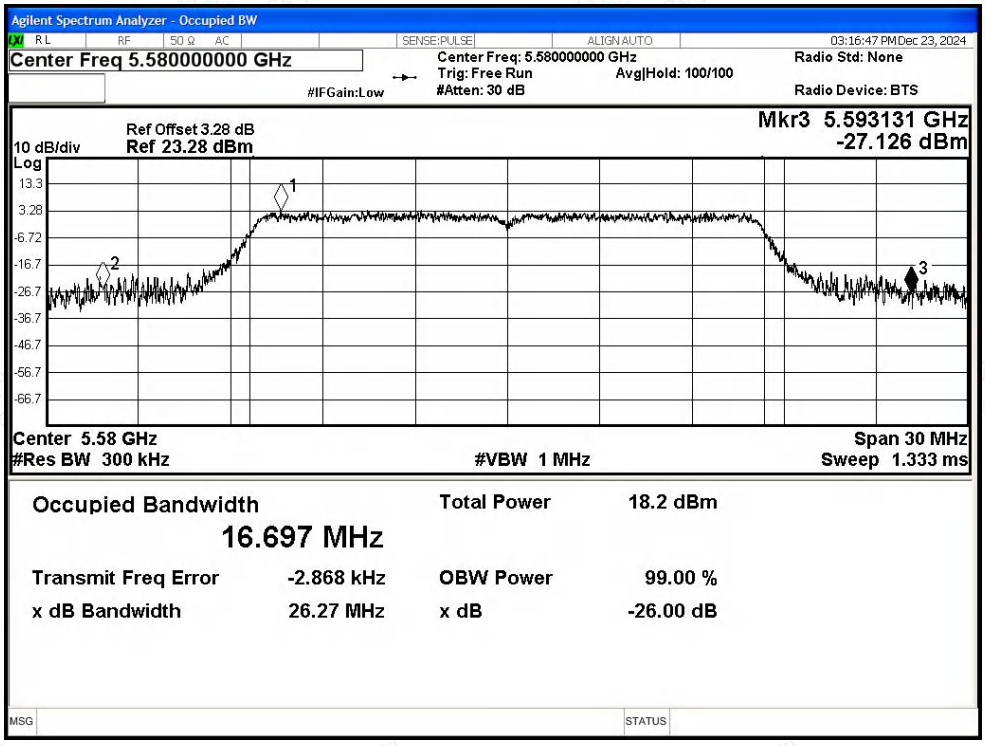
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	26.607	---	Pass
NVNT	a	5580	Ant1	26.267	---	Pass
NVNT	a	5700	Ant1	26.251	---	Pass
NVNT	n20	5500	Ant1	27.69	---	Pass
NVNT	n20	5580	Ant1	29.247	---	Pass
NVNT	n20	5700	Ant1	27.665	---	Pass
NVNT	n40	5510	Ant1	39.54	---	Pass
NVNT	n40	5550	Ant1	47.458	---	Pass
NVNT	n40	5670	Ant1	42.016	---	Pass
NVNT	ac20	5500	Ant1	26.938	---	Pass
NVNT	ac20	5580	Ant1	26.971	---	Pass
NVNT	ac20	5700	Ant1	29.126	---	Pass
NVNT	ac40	5510	Ant1	41.959	---	Pass
NVNT	ac40	5550	Ant1	42.36	---	Pass
NVNT	ac40	5670	Ant1	43.954	---	Pass
NVNT	ac80	5530	Ant1	79.21	---	Pass
NVNT	ac80	5610	Ant1	78.218	---	Pass

Test Graphs

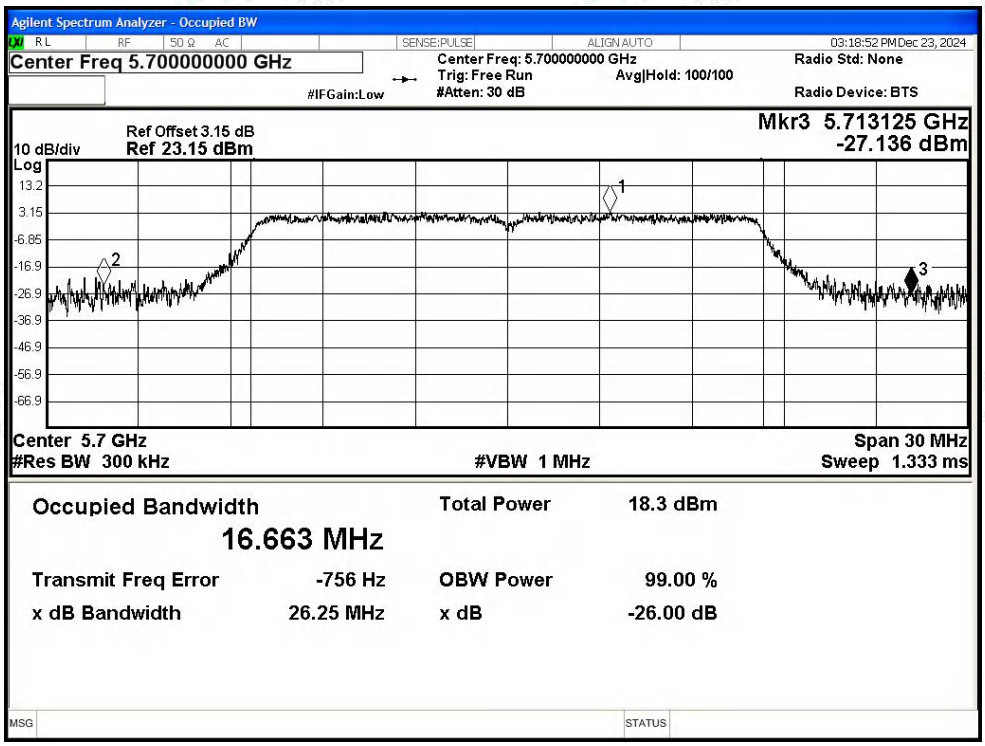
-26dB Bandwidth NVNT a 5500MHz Ant1



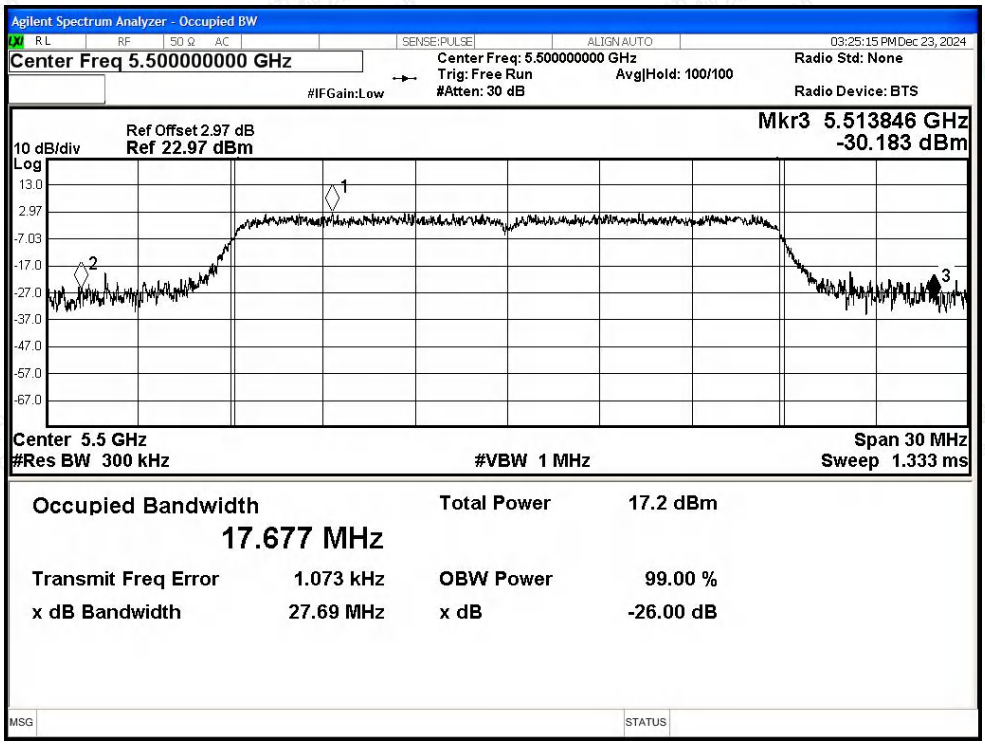
-26dB Bandwidth NVNT a 5580MHz Ant1



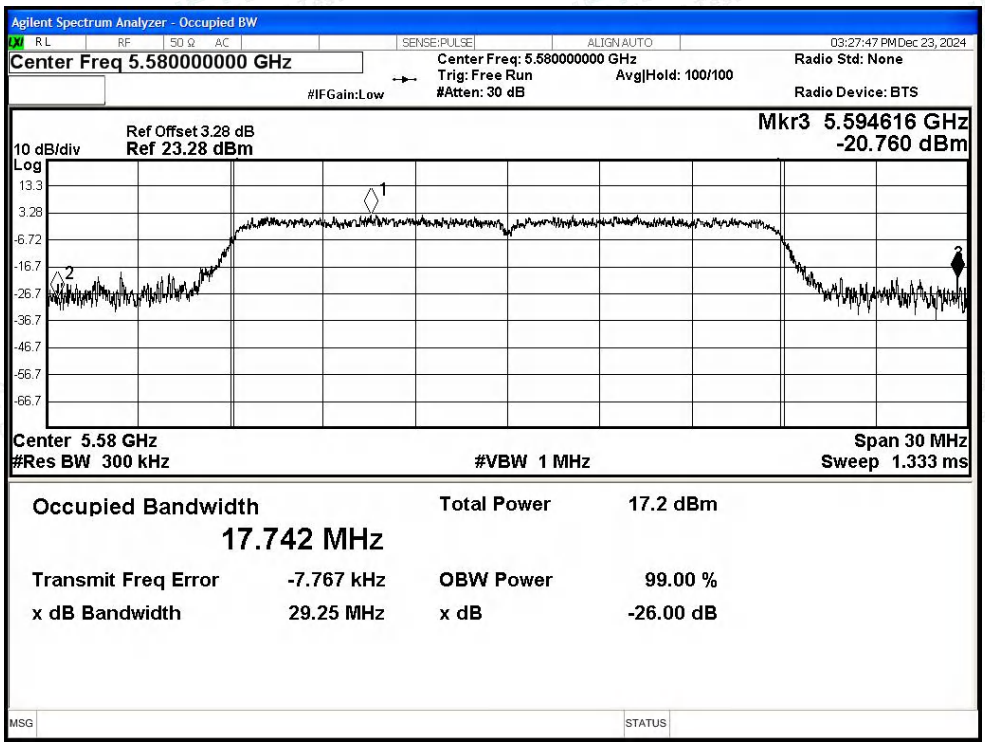
-26dB Bandwidth NVNT a 5700MHz Ant1



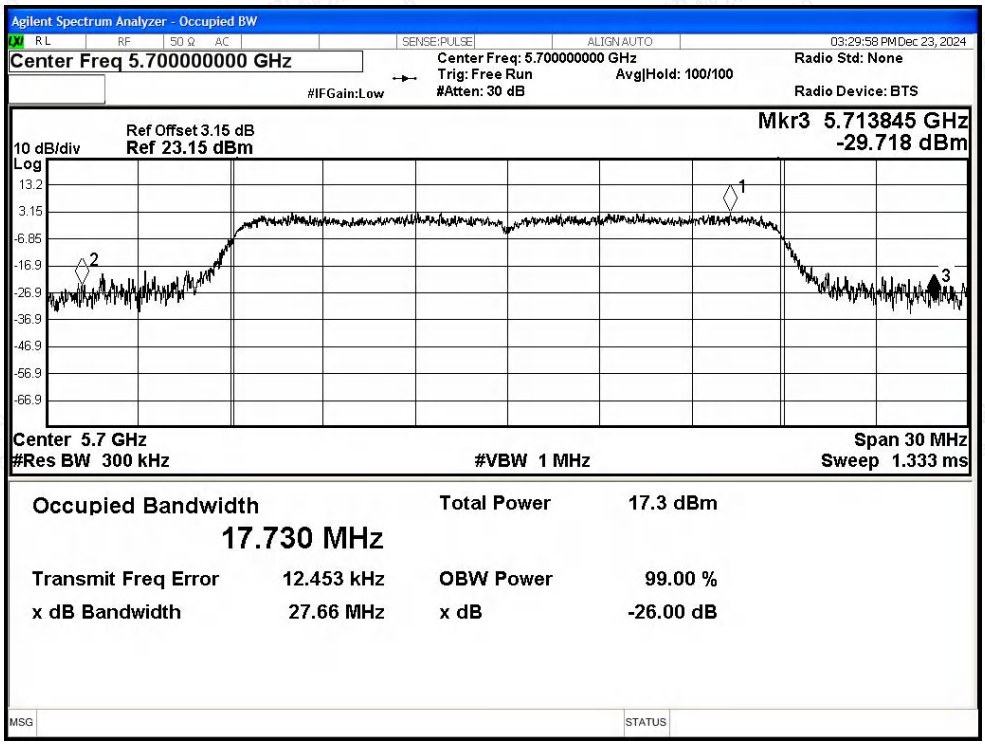
-26dB Bandwidth NVNT n20 5500MHz Ant1



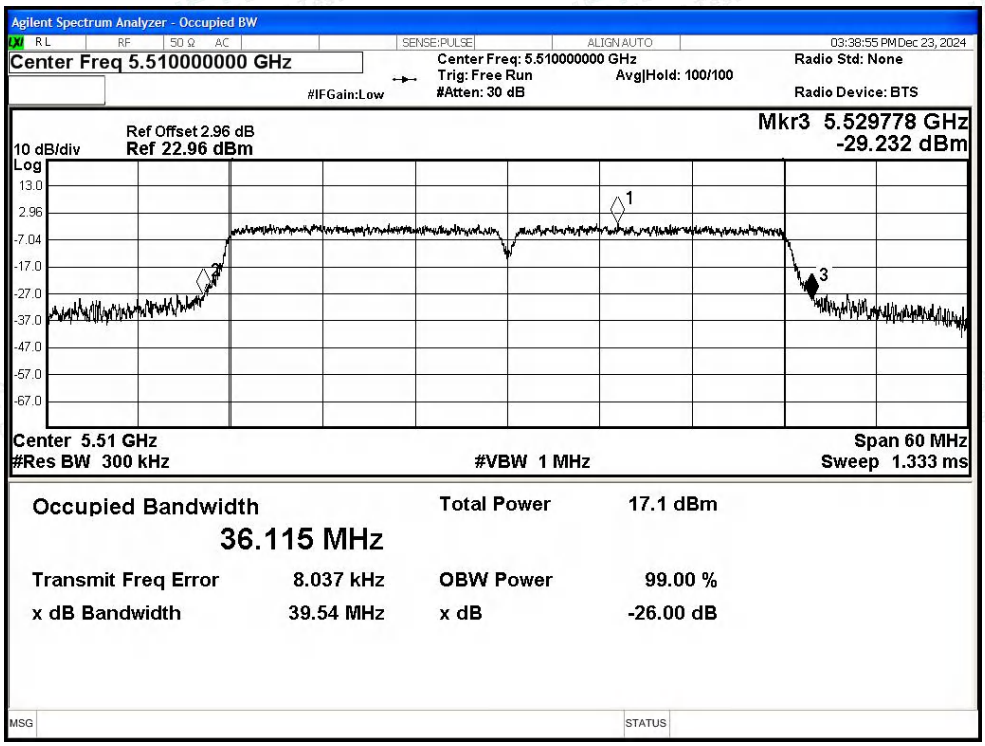
-26dB Bandwidth NVNT n20 5580MHz Ant1



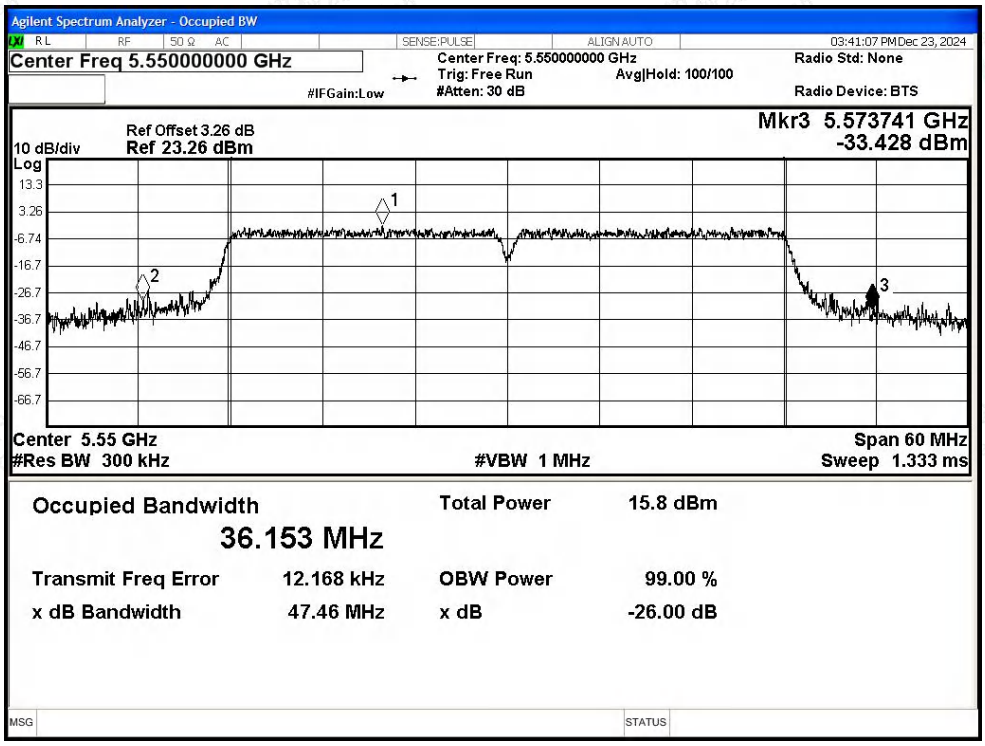
-26dB Bandwidth NVNT n20 5700MHz Ant1



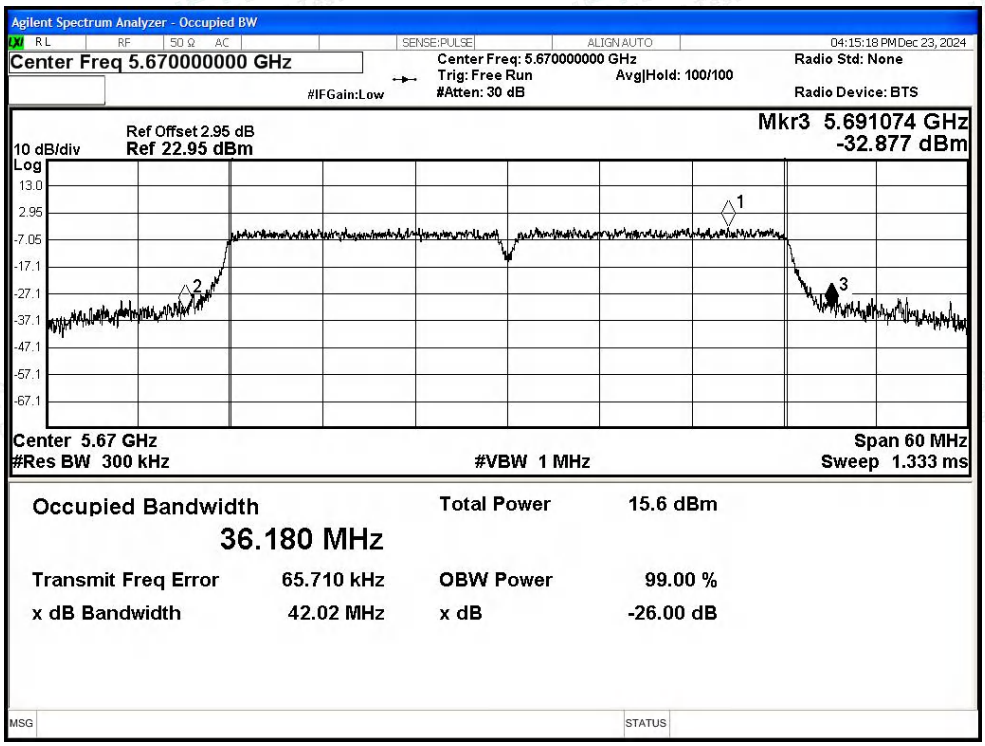
-26dB Bandwidth NVNT n40 5510MHz Ant1



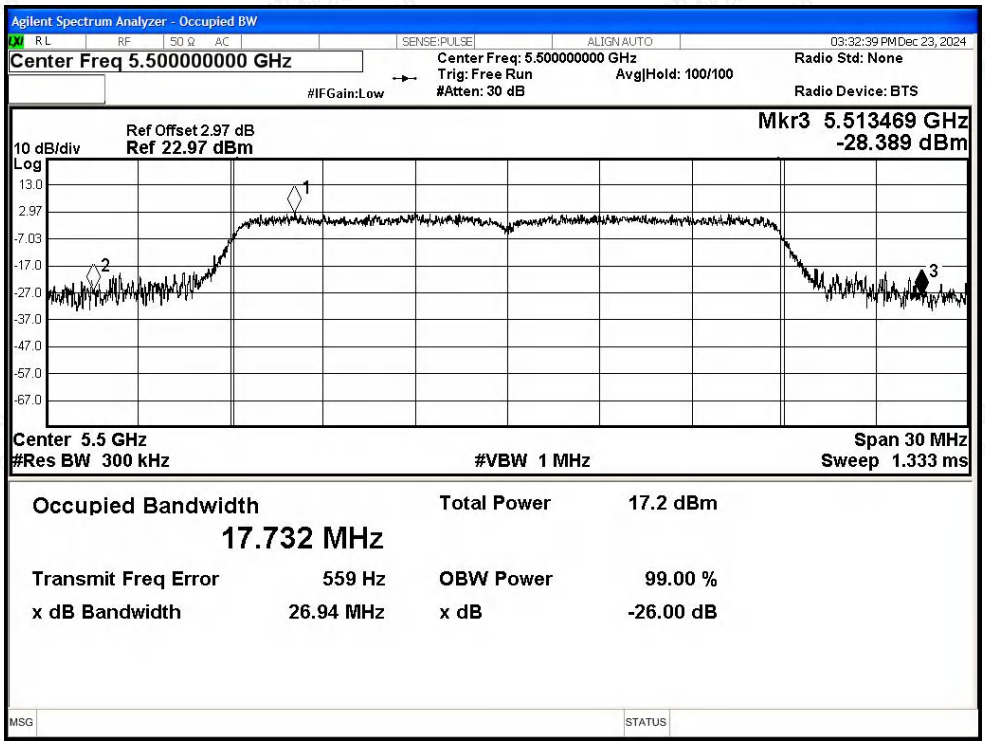
-26dB Bandwidth NVNT n40 5550MHz Ant1



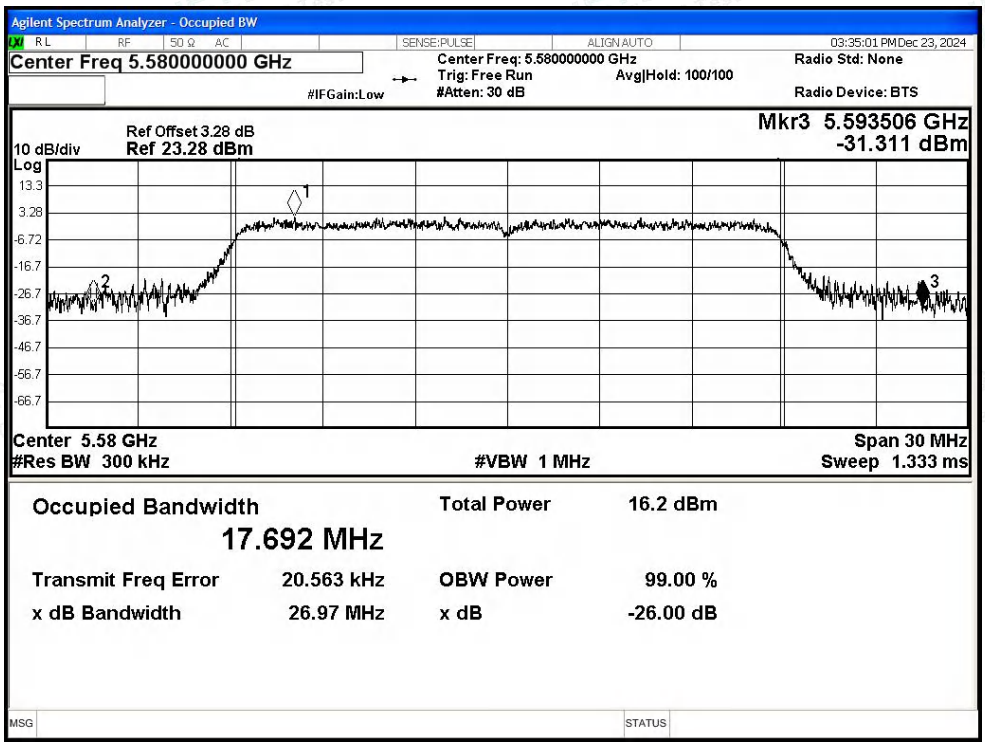
-26dB Bandwidth NVNT n40 5670MHz Ant1



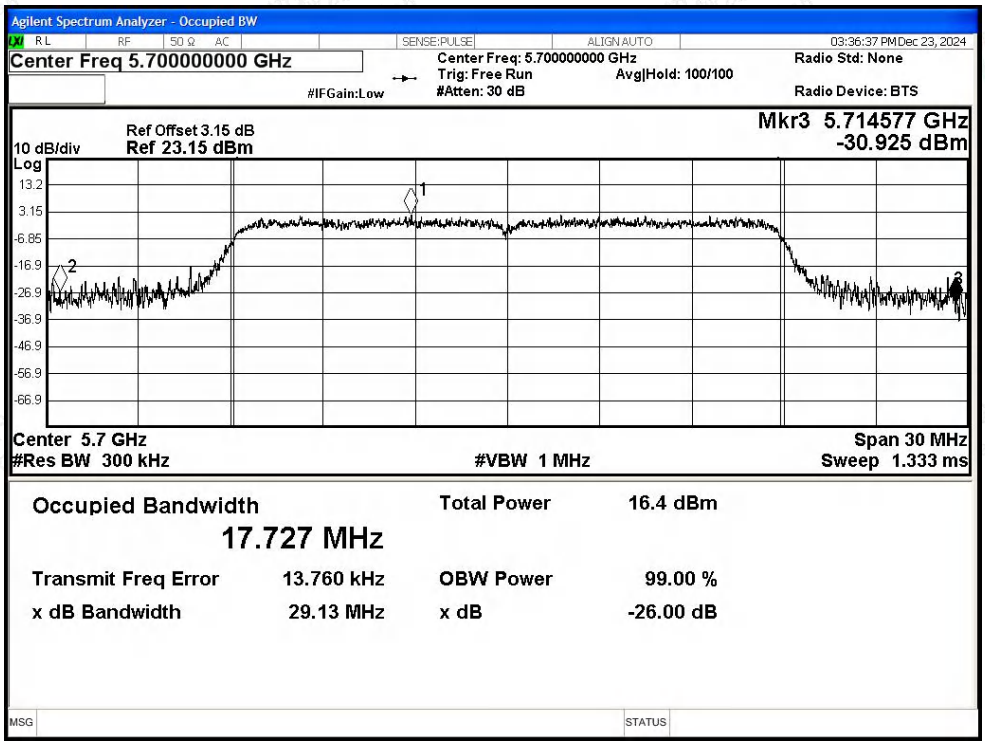
-26dB Bandwidth NVNT ac20 5500MHz Ant1



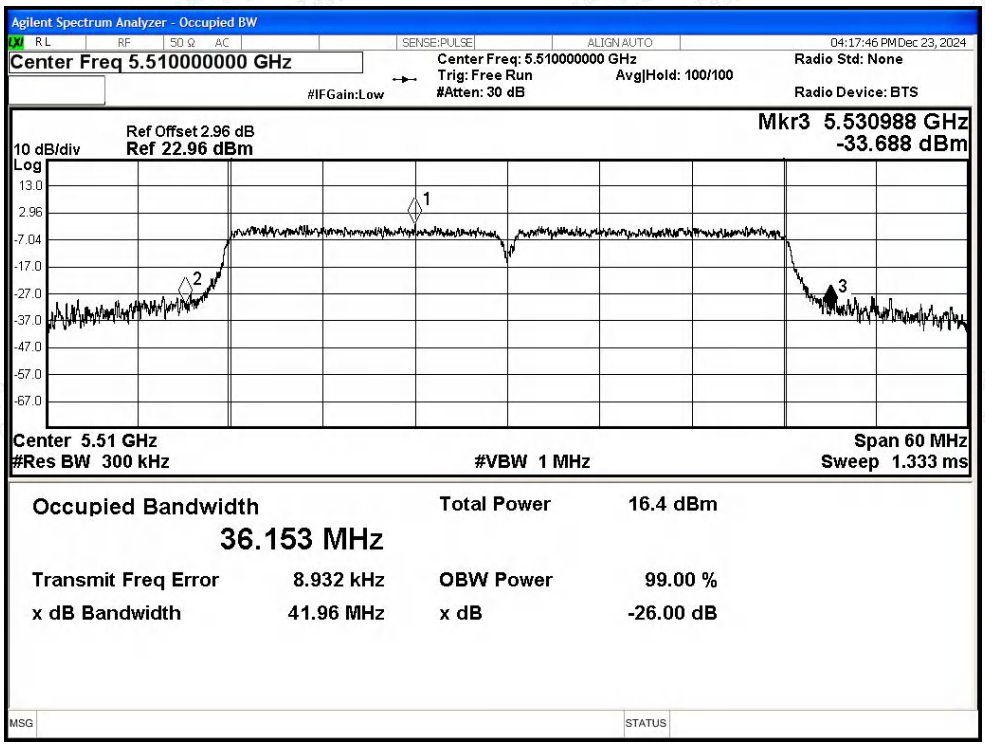
-26dB Bandwidth NVNT ac20 5580MHz Ant1



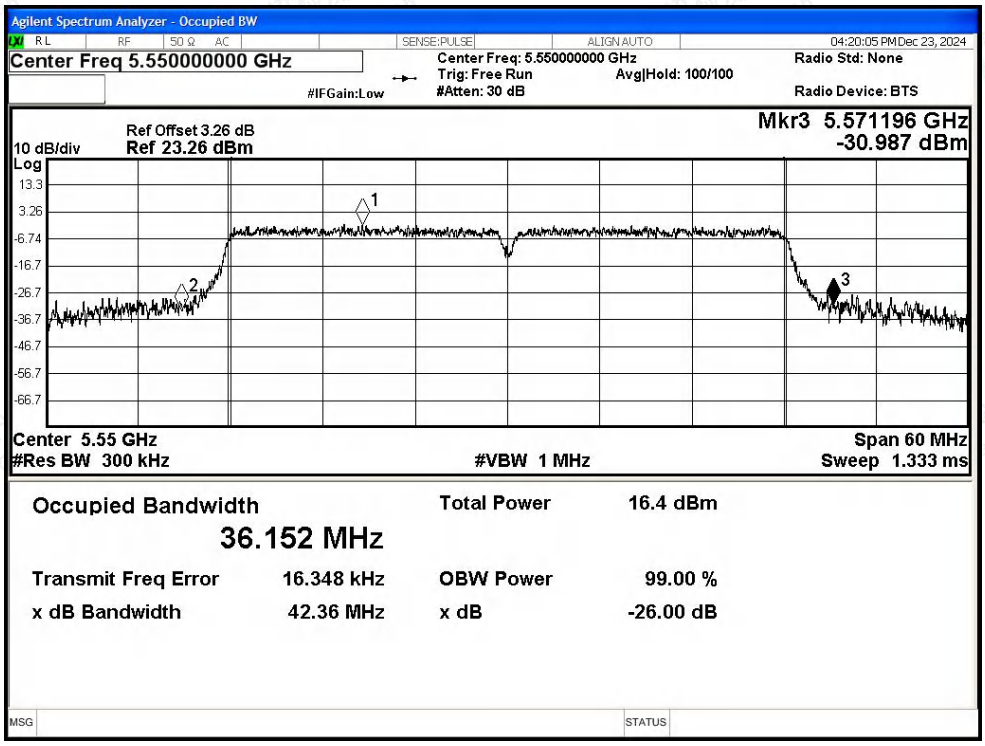
-26dB Bandwidth NVNT ac20 5700MHz Ant1



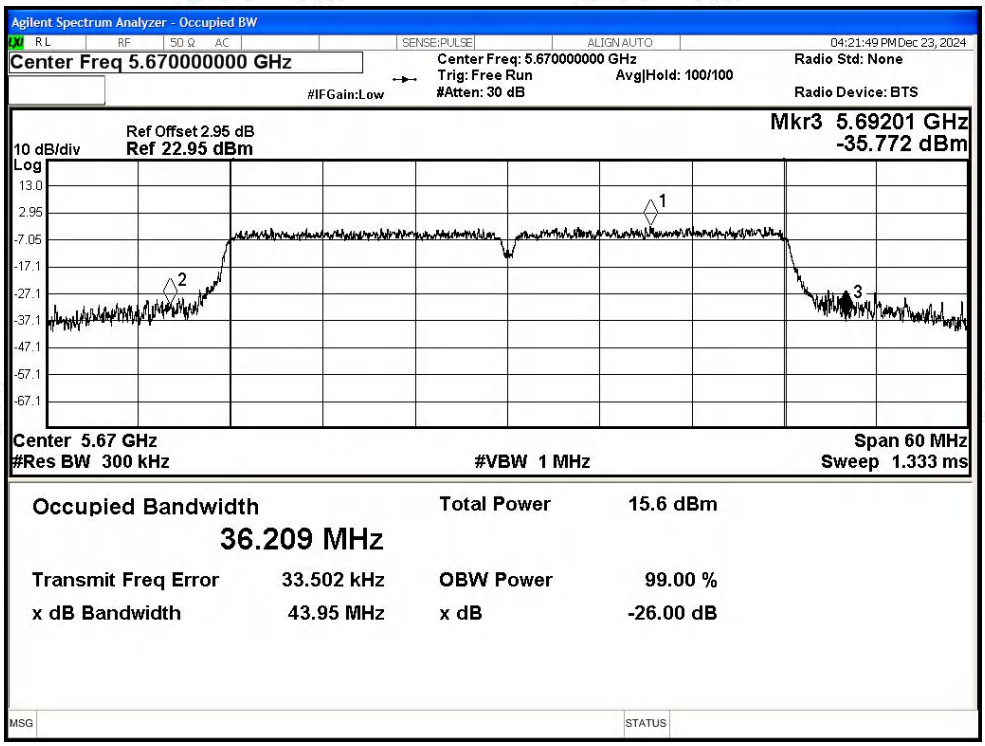
-26dB Bandwidth NVNT ac40 5510MHz Ant1



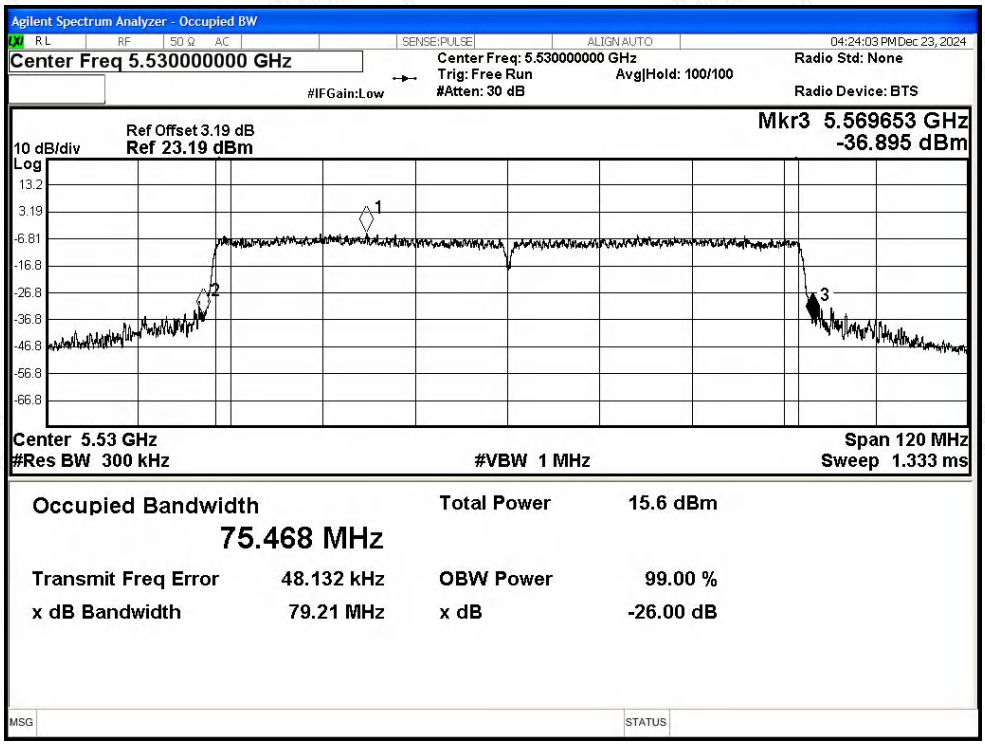
-26dB Bandwidth NVNT ac40 5550MHz Ant1



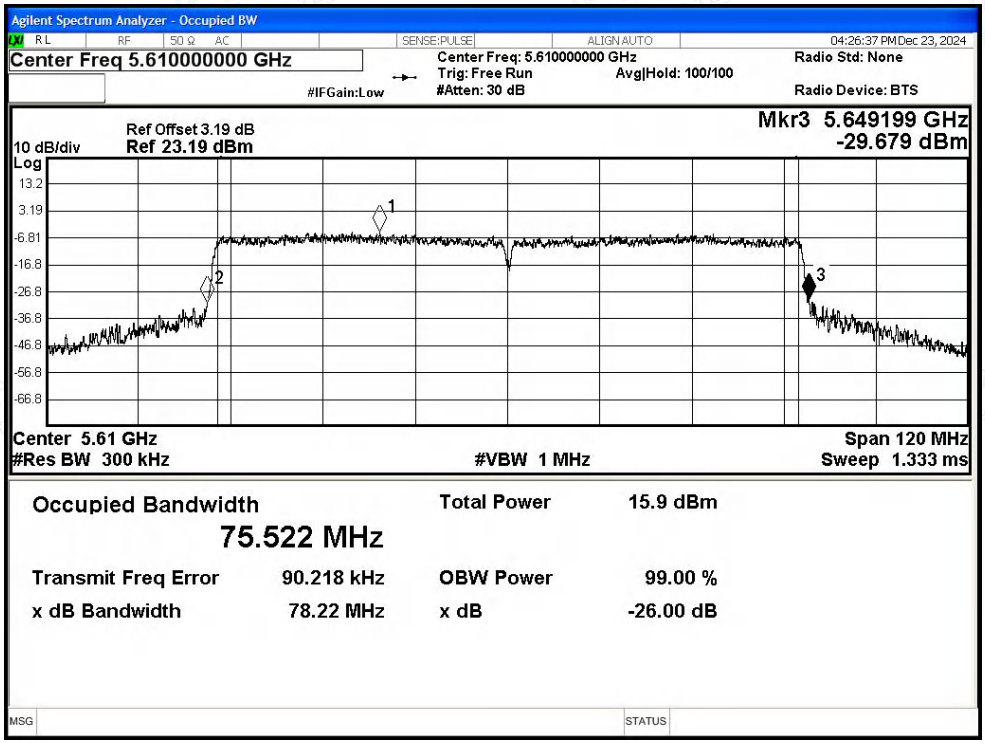
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1



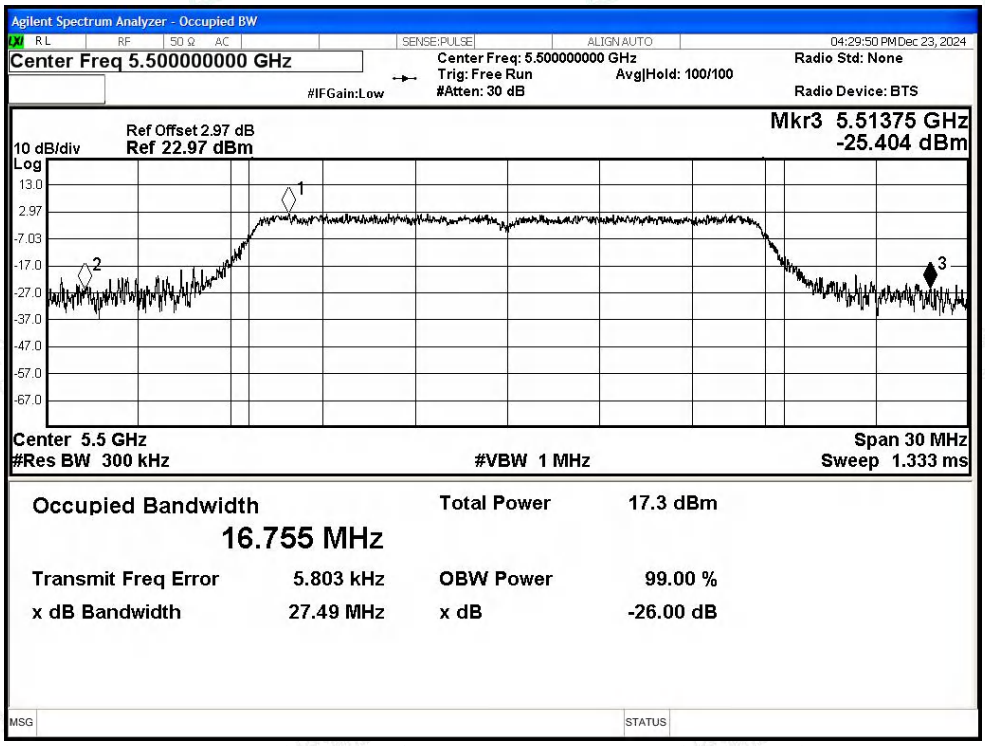
-26dB Bandwidth NVNT ac80 5610MHz Ant1



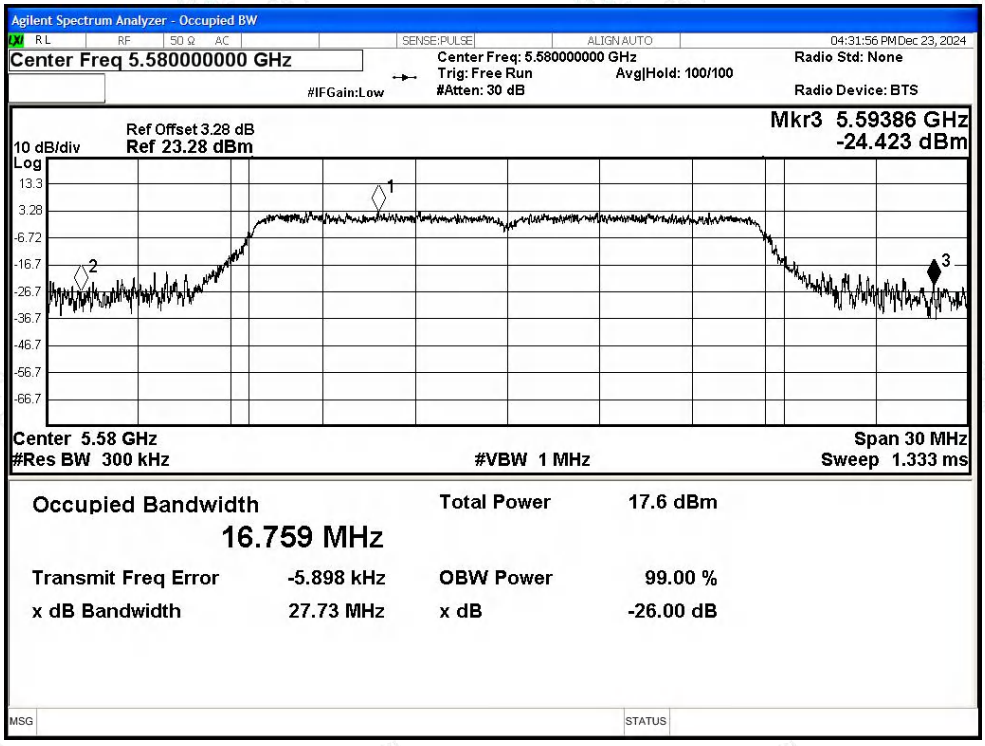
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant2	27.489	---	Pass
NVNT	a	5580	Ant2	27.731	---	Pass
NVNT	a	5700	Ant2	28.564	---	Pass
NVNT	n20	5500	Ant2	28.806	---	Pass
NVNT	n20	5580	Ant2	27.643	---	Pass
NVNT	n20	5700	Ant2	28.468	---	Pass
NVNT	n40	5510	Ant2	42.576	---	Pass
NVNT	n40	5550	Ant2	42.06	---	Pass
NVNT	n40	5670	Ant2	44.132	---	Pass
NVNT	ac20	5500	Ant2	28.296	---	Pass
NVNT	ac20	5580	Ant2	26.599	---	Pass
NVNT	ac20	5700	Ant2	27.974	---	Pass
NVNT	ac40	5510	Ant2	39.399	---	Pass
NVNT	ac40	5550	Ant2	40.933	---	Pass
NVNT	ac40	5670	Ant2	45.596	---	Pass
NVNT	ac80	5530	Ant2	78.629	---	Pass
NVNT	ac80	5610	Ant2	78.336	---	Pass

Test Graphs

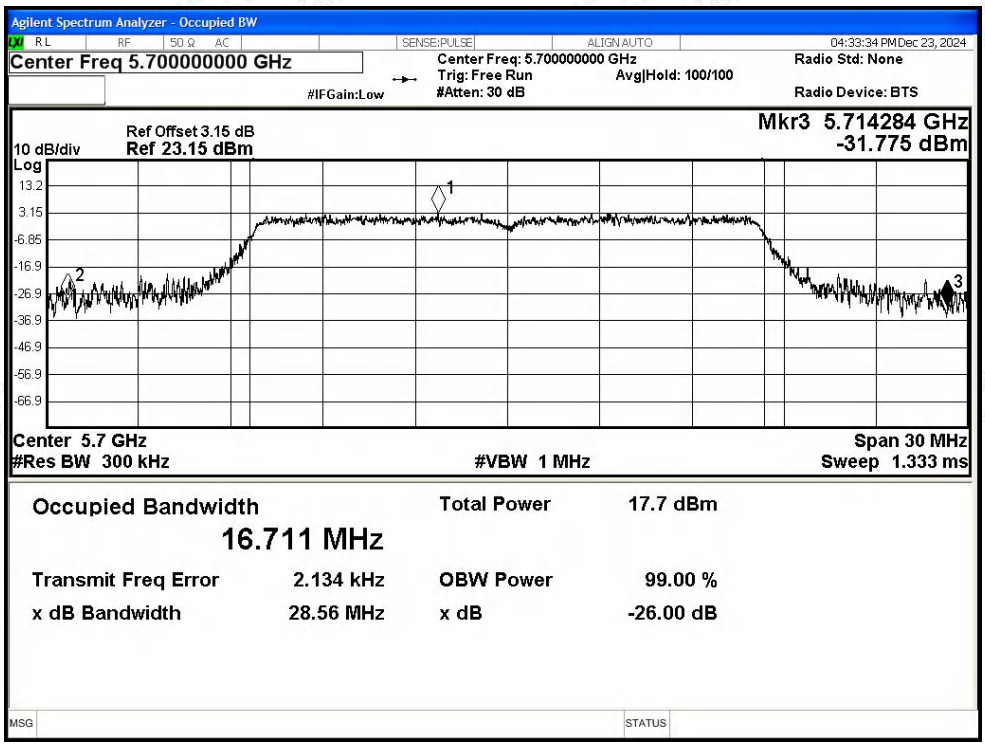
-26dB Bandwidth NVNT a 5500MHz Ant2



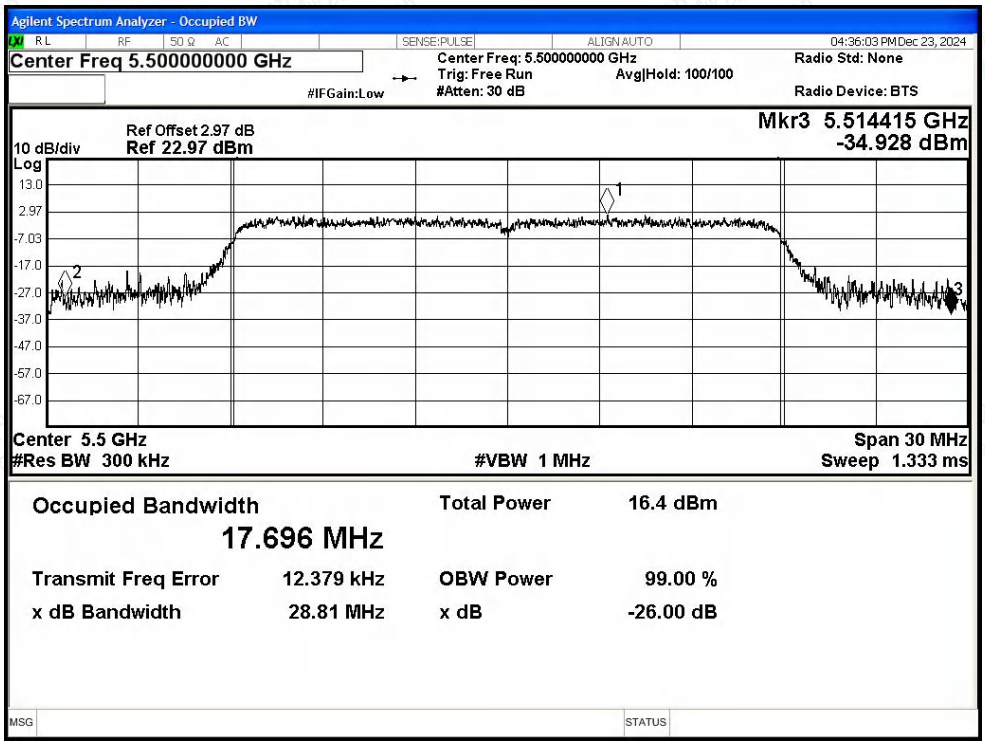
-26dB Bandwidth NVNT a 5580MHz Ant2



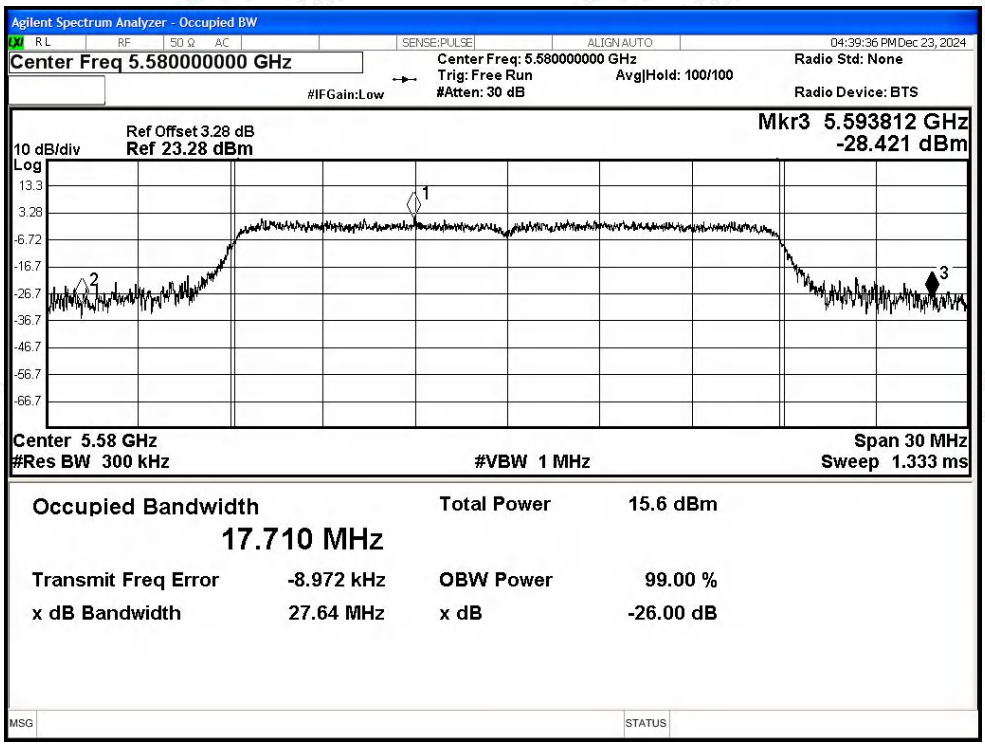
-26dB Bandwidth NVNT a 5700MHz Ant2



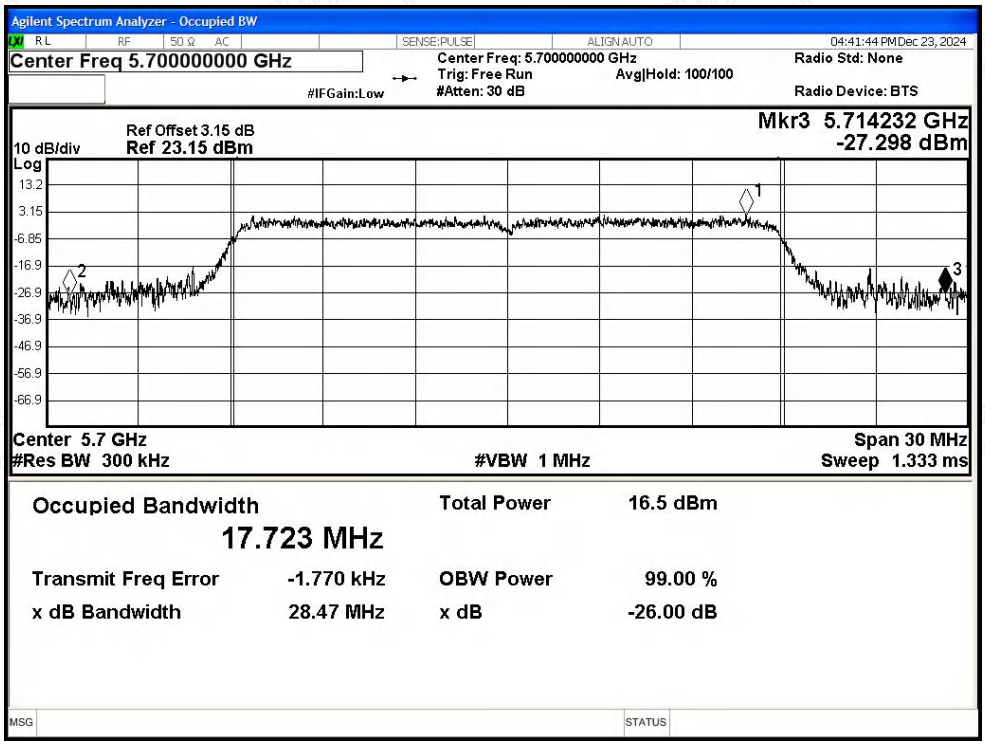
-26dB Bandwidth NVNT n20 5500MHz Ant2



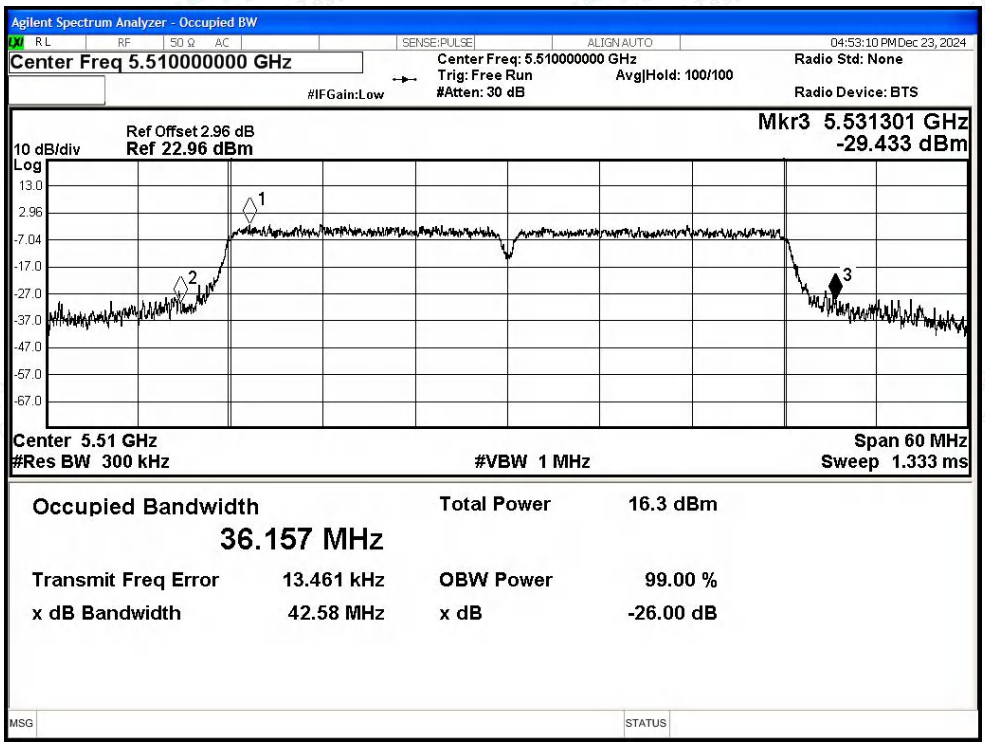
-26dB Bandwidth NVNT n20 5580MHz Ant2



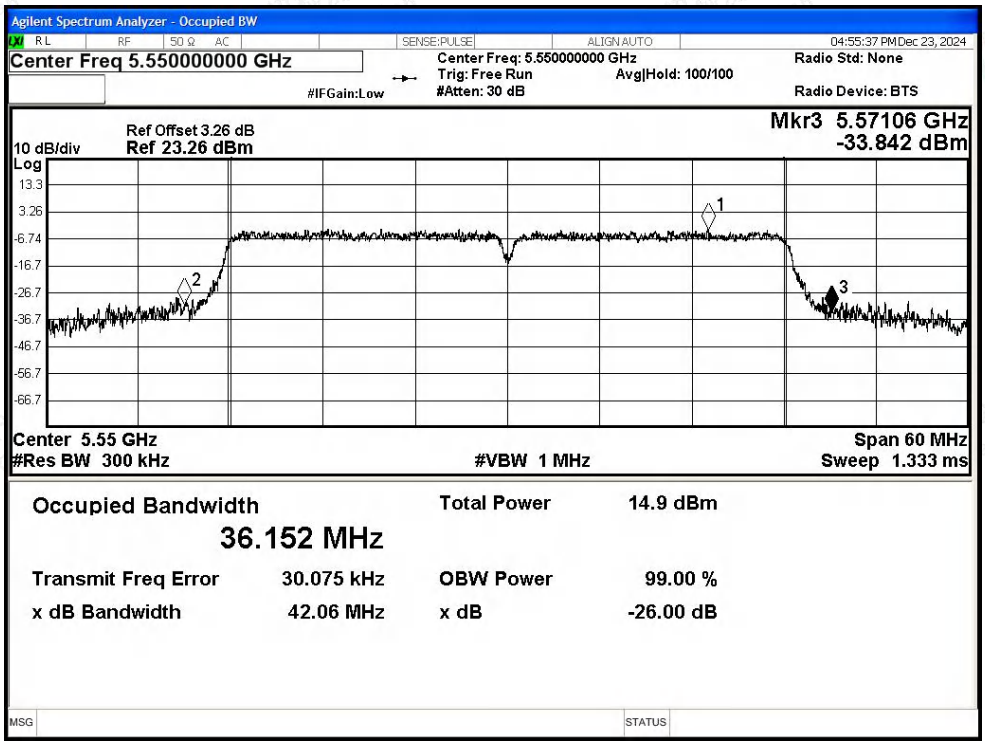
-26dB Bandwidth NVNT n20 5700MHz Ant2



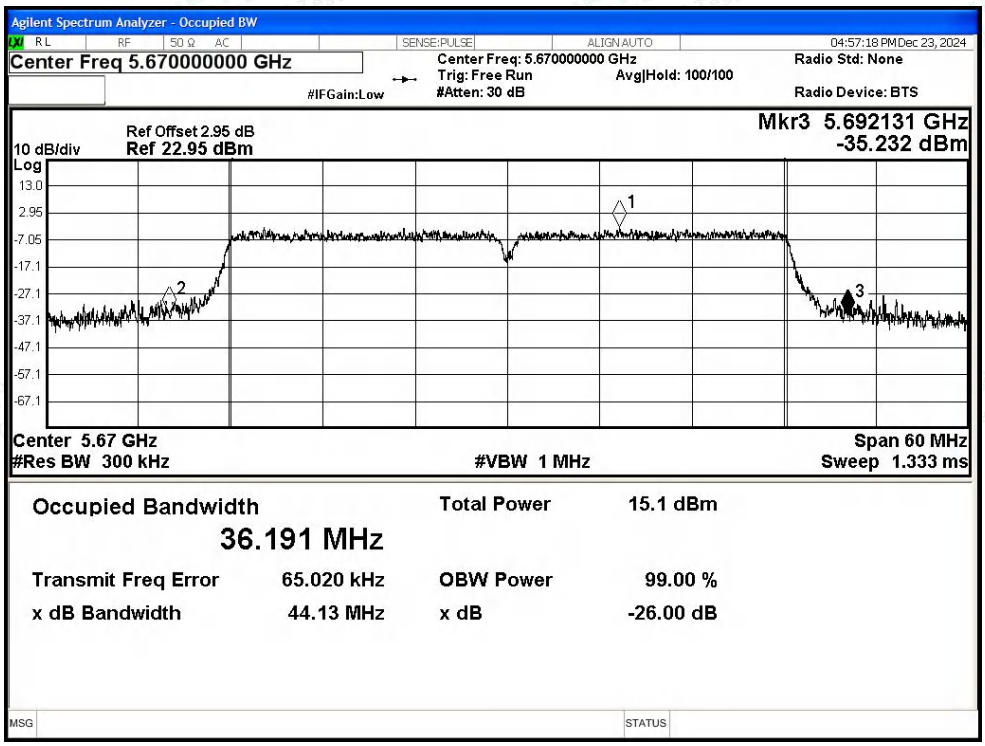
-26dB Bandwidth NVNT n40 5510MHz Ant2



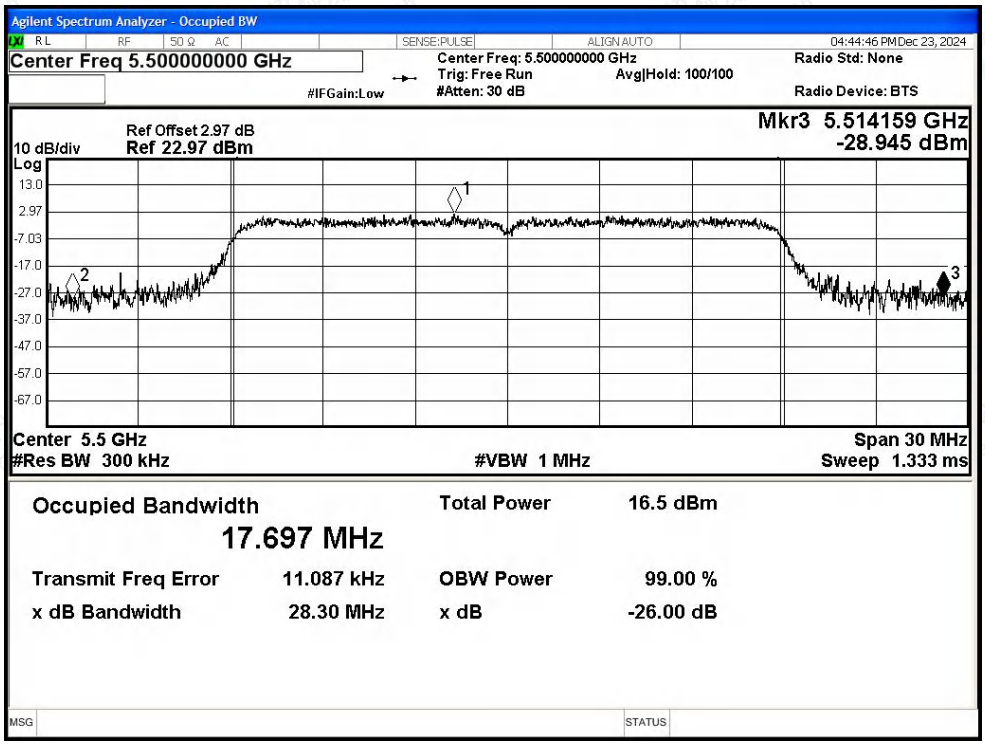
-26dB Bandwidth NVNT n40 5550MHz Ant2



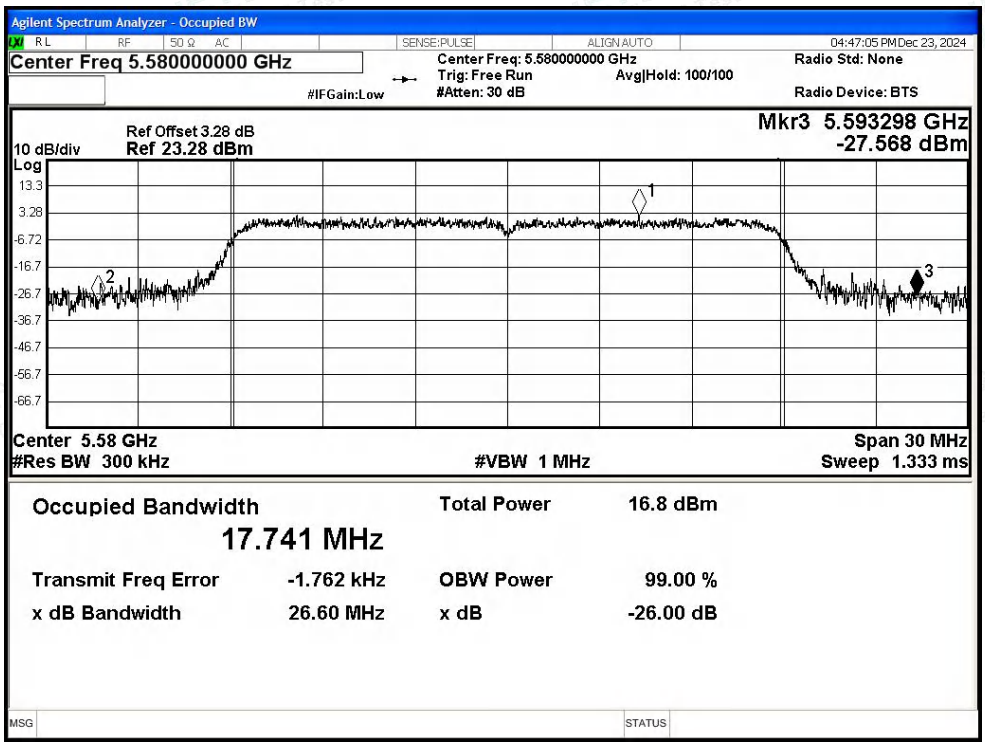
-26dB Bandwidth NVNT n40 5670MHz Ant2



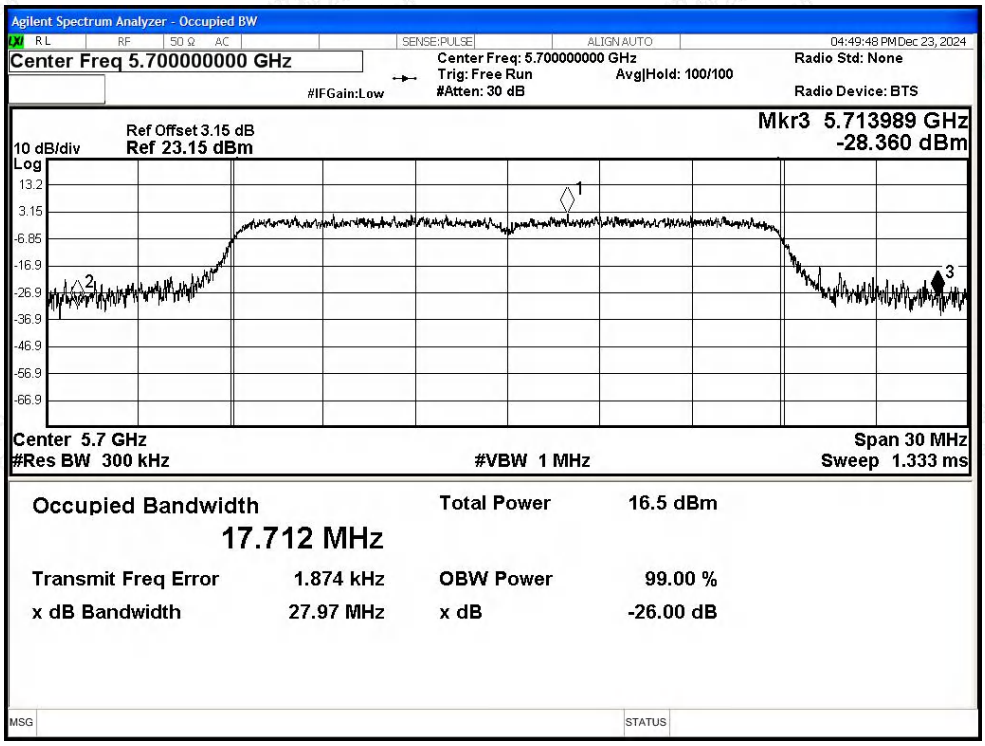
-26dB Bandwidth NVNT ac20 5500MHz Ant2



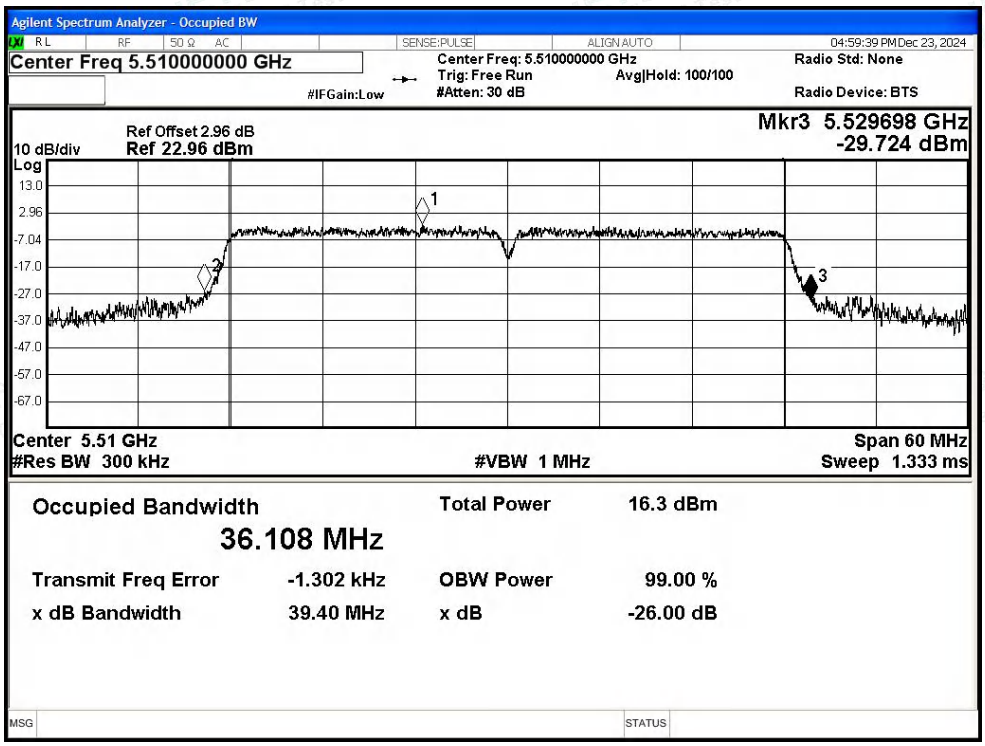
-26dB Bandwidth NVNT ac20 5580MHz Ant2



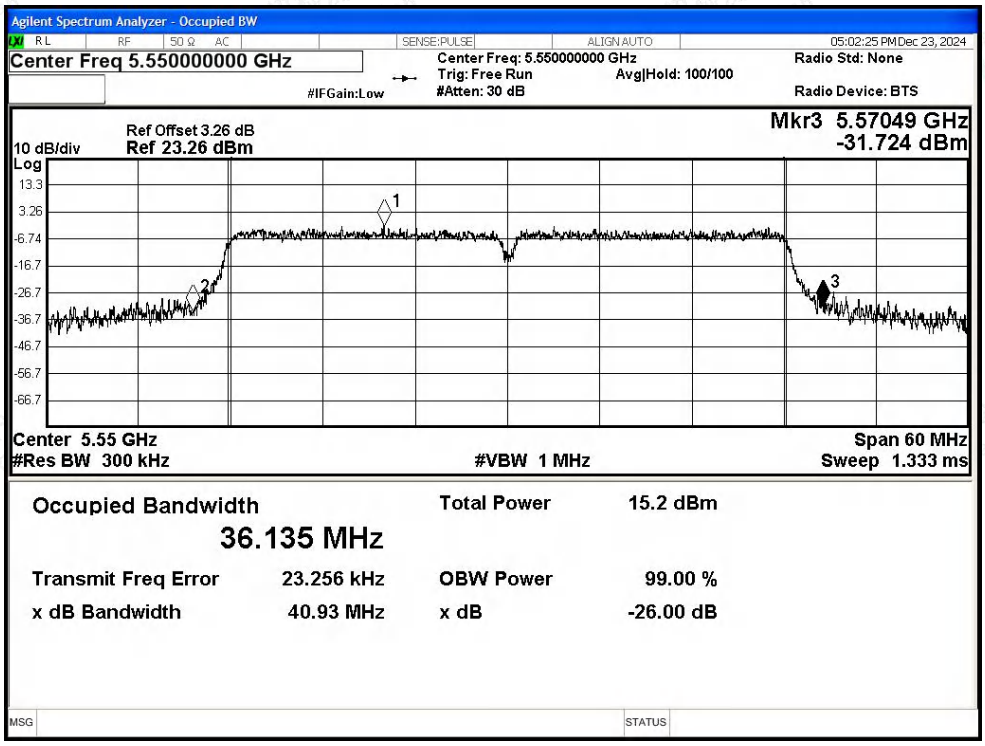
-26dB Bandwidth NVNT ac20 5700MHz Ant2



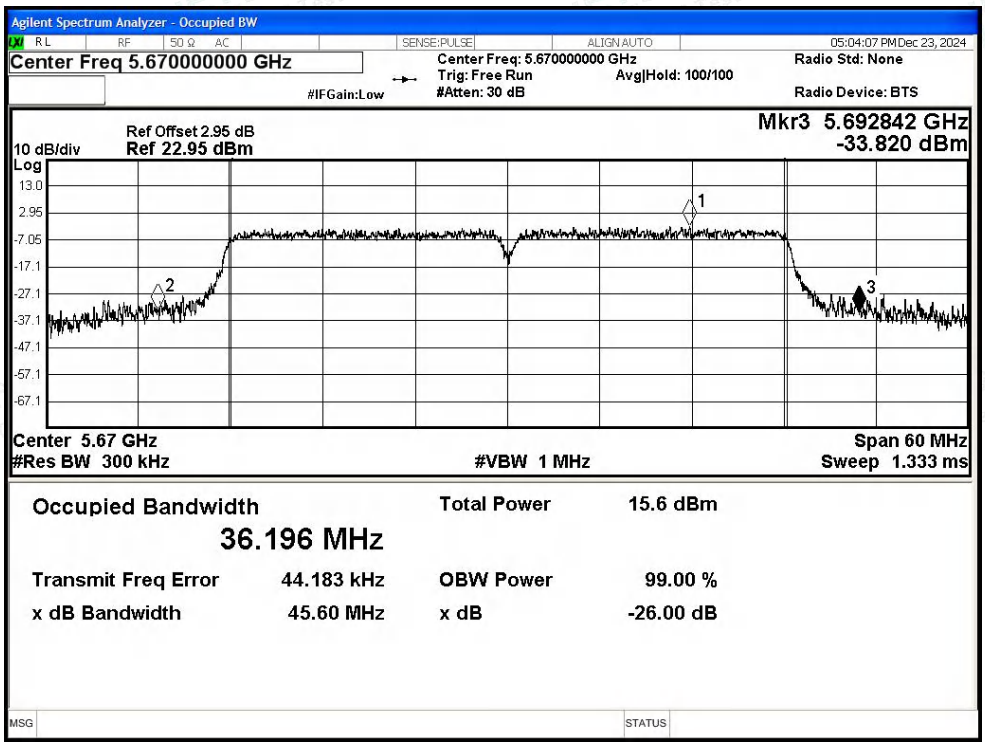
-26dB Bandwidth NVNT ac40 5510MHz Ant2



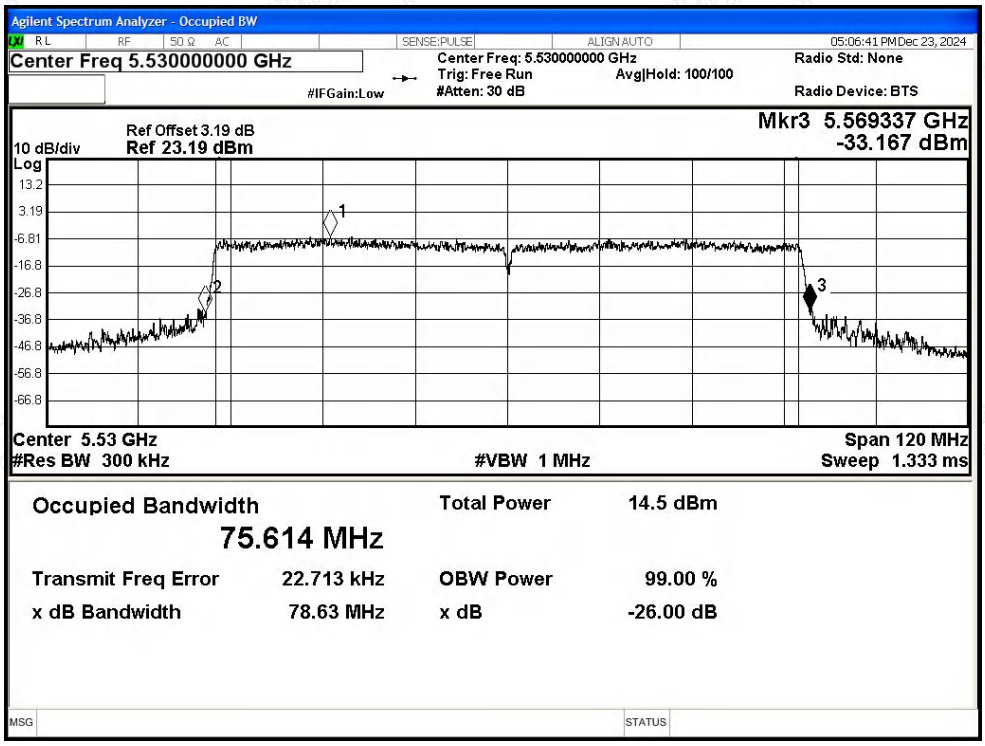
-26dB Bandwidth NVNT ac40 5550MHz Ant2



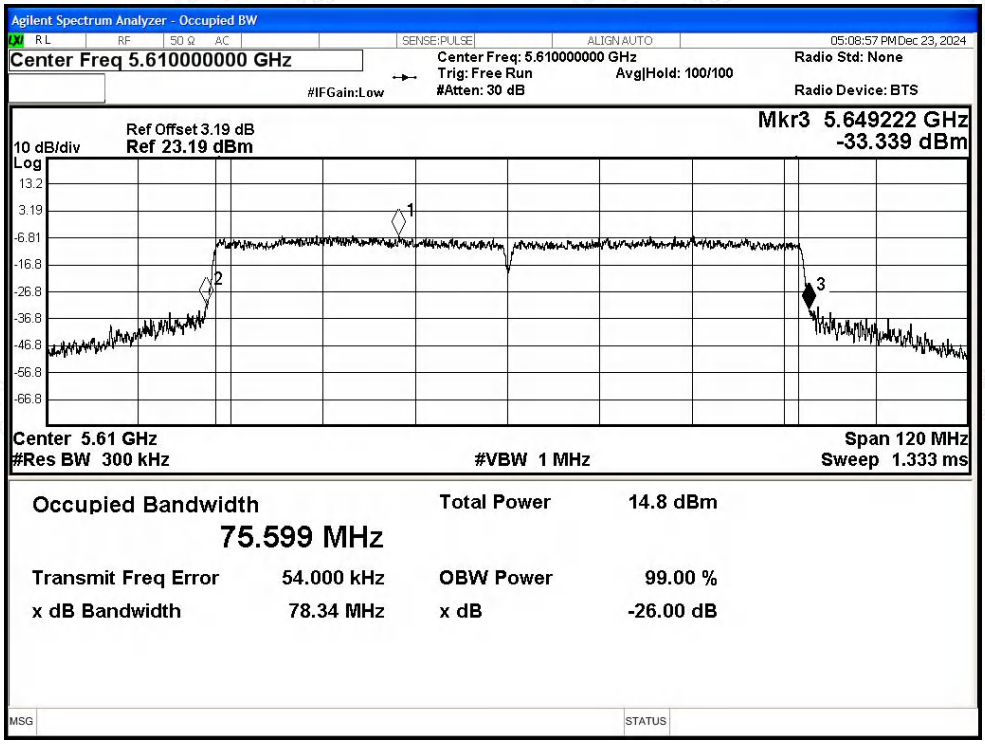
-26dB Bandwidth NVNT ac40 5670MHz Ant2



-26dB Bandwidth NVNT ac80 5530MHz Ant2



-26dB Bandwidth NVNT ac80 5610MHz Ant2



E.2 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	12.15	0.24	12.39	24	Pass
NVNT	a	5580	Ant1	12.45	0.24	12.69	24	Pass
NVNT	a	5700	Ant1	12.6	0.24	12.84	24	Pass
NVNT	n20	5500	Ant1	11.28	0.12	11.4	24	Pass
NVNT	n20	5580	Ant1	11.61	0.12	11.73	24	Pass
NVNT	n20	5700	Ant1	11.78	0.12	11.9	24	Pass
NVNT	n40	5510	Ant1	10.85	0.24	11.09	24	Pass
NVNT	n40	5550	Ant1	10.13	0.24	10.37	24	Pass
NVNT	n40	5670	Ant1	9.94	0.23	10.17	24	Pass
NVNT	ac20	5500	Ant1	11.23	0.12	11.35	24	Pass
NVNT	ac20	5580	Ant1	10.78	0.12	10.9	24	Pass
NVNT	ac20	5700	Ant1	10.86	0.12	10.98	24	Pass
NVNT	ac40	5510	Ant1	10.58	0.24	10.82	24	Pass
NVNT	ac40	5550	Ant1	10.68	0.24	10.92	24	Pass
NVNT	ac40	5670	Ant1	9.96	0.24	10.2	24	Pass
NVNT	ac80	5530	Ant1	9.53	0.25	9.78	24	Pass
NVNT	ac80	5610	Ant1	9.89	0.25	10.14	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant2	11.58	0.24	11.82	24	Pass
NVNT	a	5580	Ant2	11.88	0.24	12.12	24	Pass
NVNT	a	5700	Ant2	11.92	0.24	12.16	24	Pass
NVNT	n20	5500	Ant2	11	0.12	11.12	24	Pass
NVNT	n20	5580	Ant2	10.16	0.12	10.28	24	Pass
NVNT	n20	5700	Ant2	10.97	0.12	11.09	24	Pass
NVNT	n40	5510	Ant2	10.53	0.24	10.77	24	Pass
NVNT	n40	5550	Ant2	9.22	0.24	9.46	24	Pass
NVNT	n40	5670	Ant2	9.43	0.24	9.67	24	Pass
NVNT	ac20	5500	Ant2	10.99	0.12	11.11	24	Pass
NVNT	ac20	5580	Ant2	11.36	0.12	11.48	24	Pass
NVNT	ac20	5700	Ant2	10.98	0.12	11.1	24	Pass
NVNT	ac40	5510	Ant2	10.53	0.24	10.77	24	Pass
NVNT	ac40	5550	Ant2	9.5	0.24	9.74	24	Pass
NVNT	ac40	5670	Ant2	9.87	0.24	10.11	24	Pass
NVNT	ac80	5530	Ant2	8.49	0.25	8.74	24	Pass
NVNT	ac80	5610	Ant2	8.84	0.25	9.09	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5500	11.4	11.12	14.27	24	Pass
NVNT	n20	5580	11.73	10.28	14.08	24	Pass
NVNT	n20	5700	11.9	11.09	14.52	24	Pass
NVNT	n40	5510	11.09	10.77	13.94	24	Pass
NVNT	n40	5550	10.37	9.46	12.95	24	Pass
NVNT	n40	5670	10.17	9.67	12.94	24	Pass
NVNT	ac20	5500	11.35	11.11	14.24	24	Pass
NVNT	ac20	5580	10.9	11.48	14.21	24	Pass
NVNT	ac20	5700	10.98	11.1	14.05	24	Pass
NVNT	ac40	5510	10.82	10.77	13.81	24	Pass
NVNT	ac40	5550	10.92	9.74	13.38	24	Pass
NVNT	ac40	5670	10.2	10.11	13.17	24	Pass
NVNT	ac80	5530	9.78	8.74	12.30	24	Pass
NVNT	ac80	5610	10.14	9.09	12.66	24	Pass

E.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5500	Ant1	1.79	0.24	2.03	11	Pass
NVNT	a	5580	Ant1	2.08	0.24	2.32	11	Pass
NVNT	a	5700	Ant1	2.28	0.24	2.52	11	Pass
NVNT	n20	5500	Ant1	0.79	0.12	0.91	11	Pass
NVNT	n20	5580	Ant1	0.86	0.12	0.98	11	Pass
NVNT	n20	5700	Ant1	0.89	0.12	1.01	11	Pass
NVNT	n40	5510	Ant1	-2.49	0.24	-2.25	11	Pass
NVNT	n40	5550	Ant1	-3.96	0.24	-3.72	11	Pass
NVNT	n40	5670	Ant1	-3.79	0.23	-3.56	11	Pass
NVNT	ac20	5500	Ant1	1.34	0.12	1.46	11	Pass
NVNT	ac20	5580	Ant1	0.03	0.12	0.15	11	Pass
NVNT	ac20	5700	Ant1	0.26	0.12	0.38	11	Pass
NVNT	ac40	5510	Ant1	-3.14	0.24	-2.9	11	Pass
NVNT	ac40	5550	Ant1	-3.24	0.24	-3	11	Pass
NVNT	ac40	5670	Ant1	-3.67	0.24	-3.43	11	Pass
NVNT	ac80	5530	Ant1	-7.28	0.25	-7.03	11	Pass
NVNT	ac80	5610	Ant1	-6.5	0.25	-6.25	11	Pass

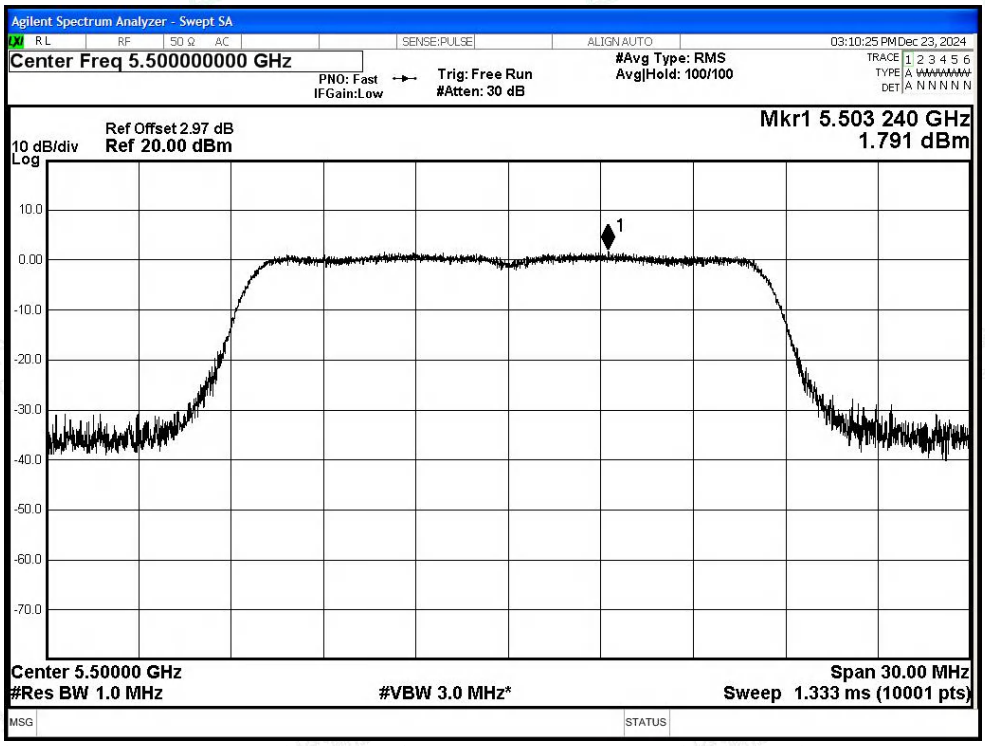
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5500	Ant2	0.94	0.24	1.18	11	Pass
NVNT	a	5580	Ant2	1.33	0.24	1.57	11	Pass
NVNT	a	5700	Ant2	1.41	0.24	1.65	11	Pass
NVNT	n20	5500	Ant2	0.05	0.12	0.17	11	Pass
NVNT	n20	5580	Ant2	-0.69	0.12	-0.57	11	Pass
NVNT	n20	5700	Ant2	0.01	0.12	0.13	11	Pass
NVNT	n40	5510	Ant2	-3.04	0.24	-2.8	11	Pass
NVNT	n40	5550	Ant2	-4.47	0.24	-4.23	11	Pass
NVNT	n40	5670	Ant2	-4.07	0.24	-3.83	11	Pass
NVNT	ac20	5500	Ant2	0.18	0.12	0.3	11	Pass
NVNT	ac20	5580	Ant2	0.73	0.12	0.85	11	Pass
NVNT	ac20	5700	Ant2	0.12	0.12	0.24	11	Pass
NVNT	ac40	5510	Ant2	-3.07	0.24	-2.83	11	Pass
NVNT	ac40	5550	Ant2	-4.16	0.24	-3.92	11	Pass
NVNT	ac40	5670	Ant2	-3.65	0.24	-3.41	11	Pass
NVNT	ac80	5530	Ant2	-7.97	0.25	-7.72	11	Pass
NVNT	ac80	5610	Ant2	-7.85	0.25	-7.6	11	Pass

MIMO

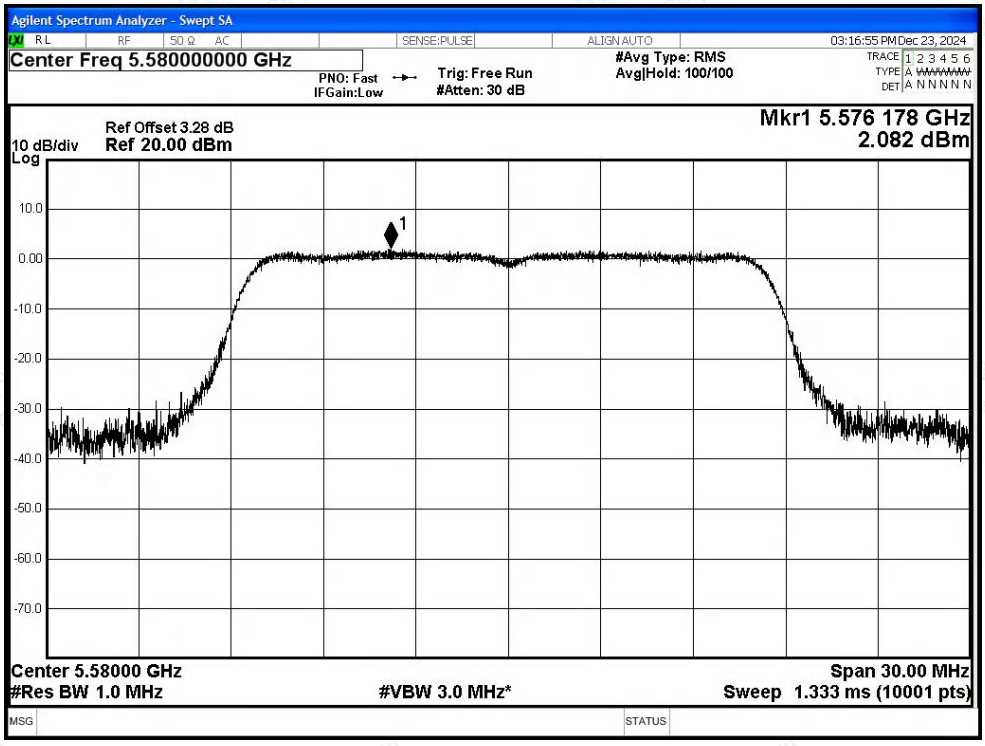
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz) Duty Factor (dB)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant1	Ant2			
NVNT	n20	5500	0.91	0.17	3.57	10.21	Pass
NVNT	n20	5580	0.98	-0.57	3.28	10.21	Pass
NVNT	n20	5700	1.01	0.13	3.60	10.21	Pass
NVNT	n40	5510	-2.25	-2.8	0.49	10.21	Pass
NVNT	n40	5550	-3.72	-4.23	-0.96	10.21	Pass
NVNT	n40	5670	-3.56	-3.83	-0.68	10.21	Pass
NVNT	ac20	5500	1.46	0.3	3.93	10.21	Pass
NVNT	ac20	5580	0.15	0.85	3.52	10.21	Pass
NVNT	ac20	5700	0.38	0.24	3.32	10.21	Pass
NVNT	ac40	5510	-2.9	-2.83	0.15	10.21	Pass
NVNT	ac40	5550	-3	-3.92	-0.43	10.21	Pass
NVNT	ac40	5670	-3.43	-3.41	-0.41	10.21	Pass
NVNT	ac80	5530	-7.03	-7.72	-4.35	10.21	Pass
NVNT	ac80	5610	-6.25	-7.6	-3.86	10.21	Pass

Test Graphs

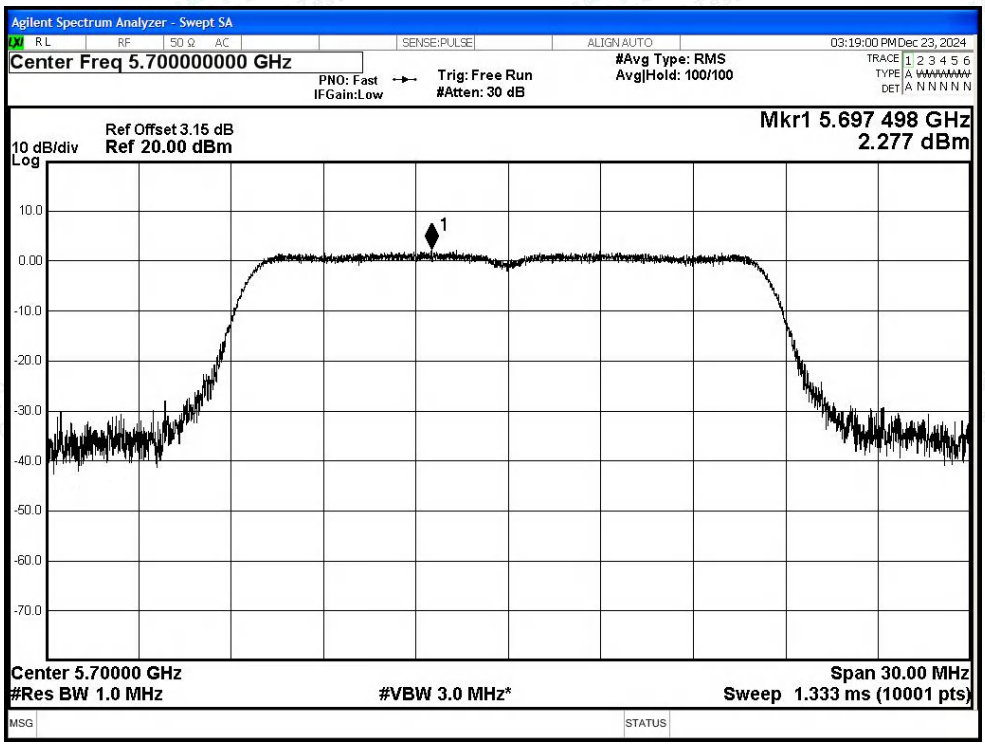
PSD NVNT a 5500MHz Ant1



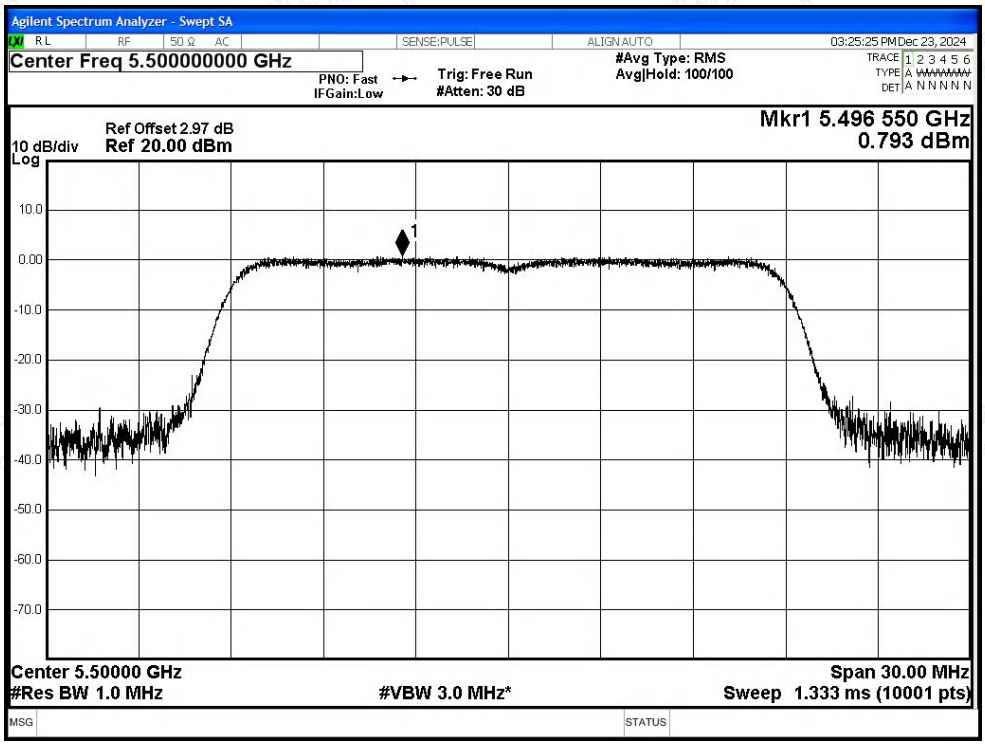
PSD NVNT a 5580MHz Ant1



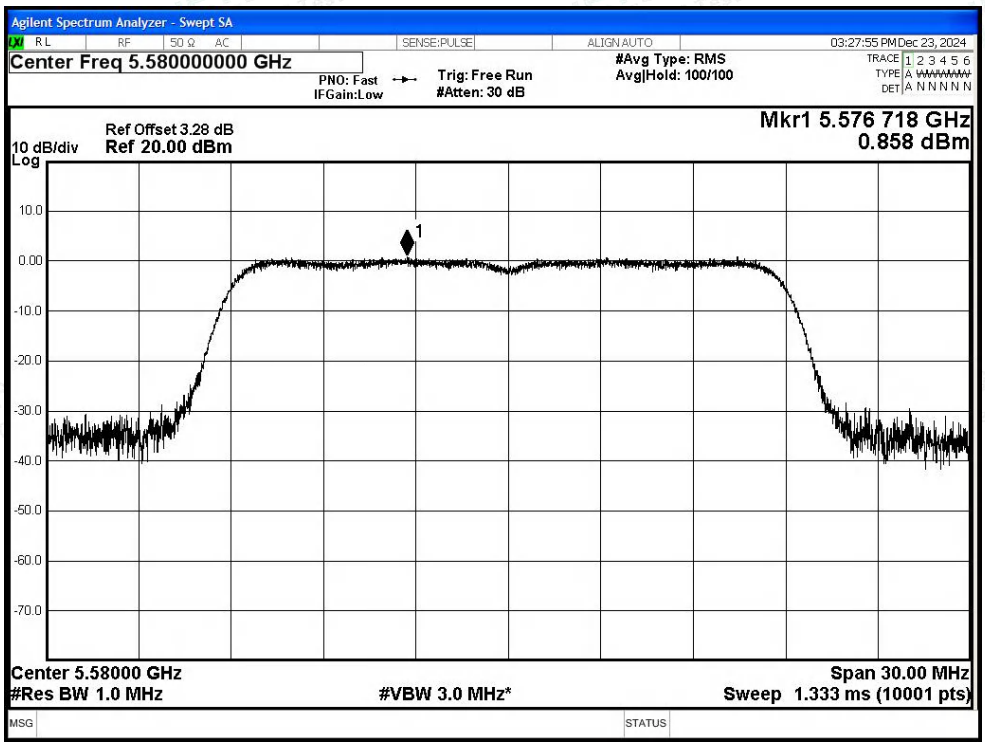
PSD NVNT a 5700MHz Ant1



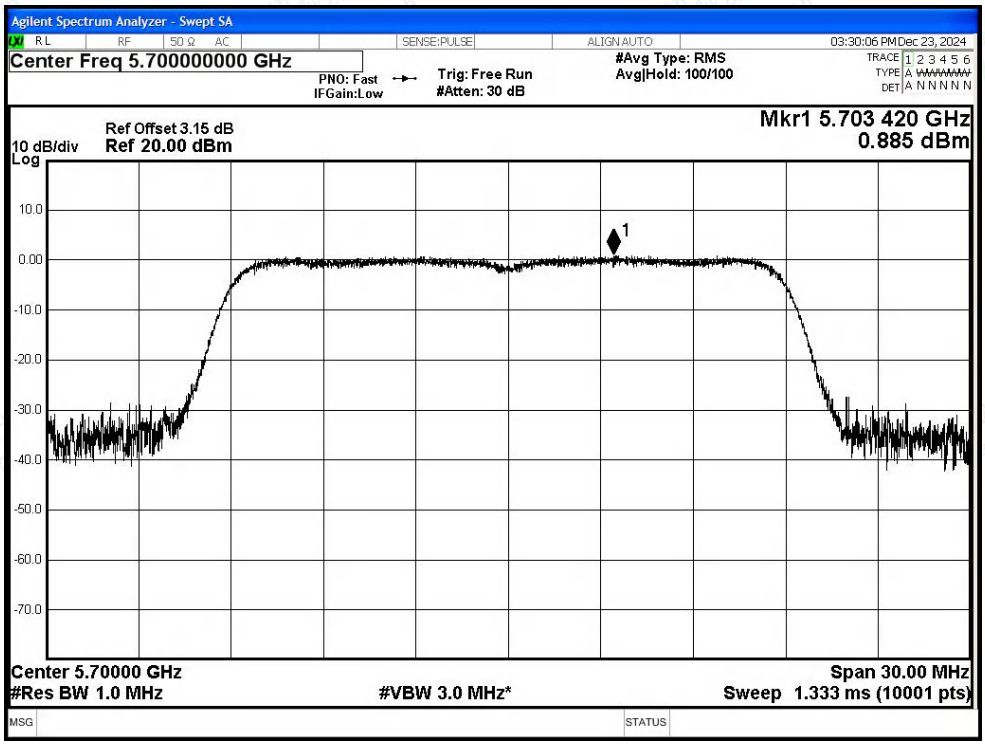
PSD NVNT n20 5500MHz Ant1



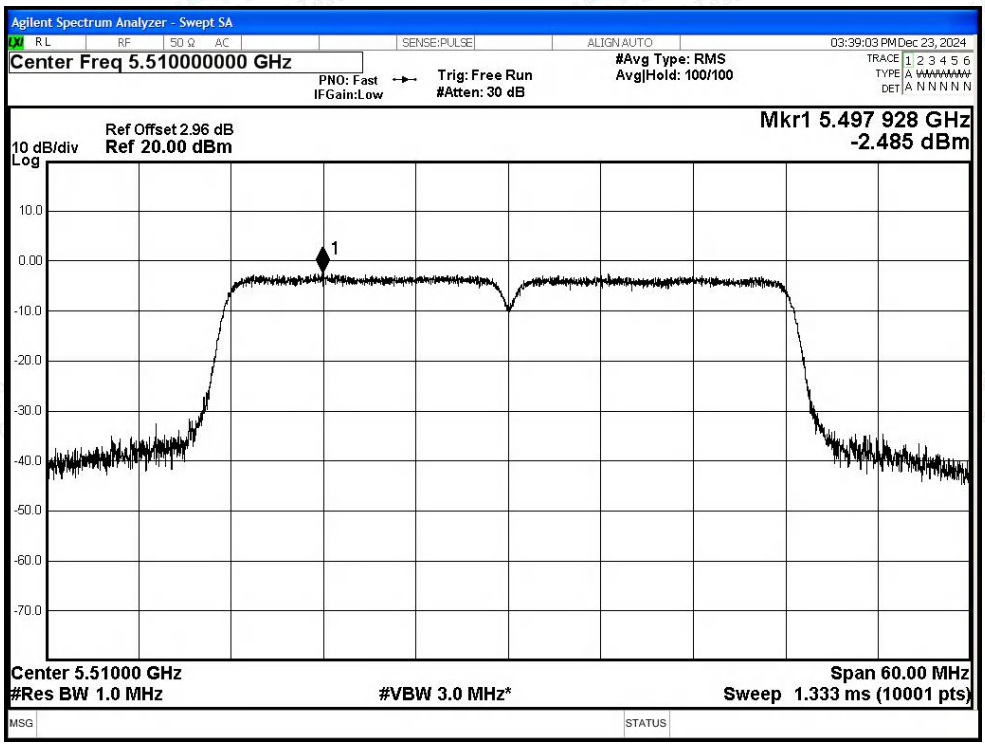
PSD NVNT n20 5580MHz Ant1



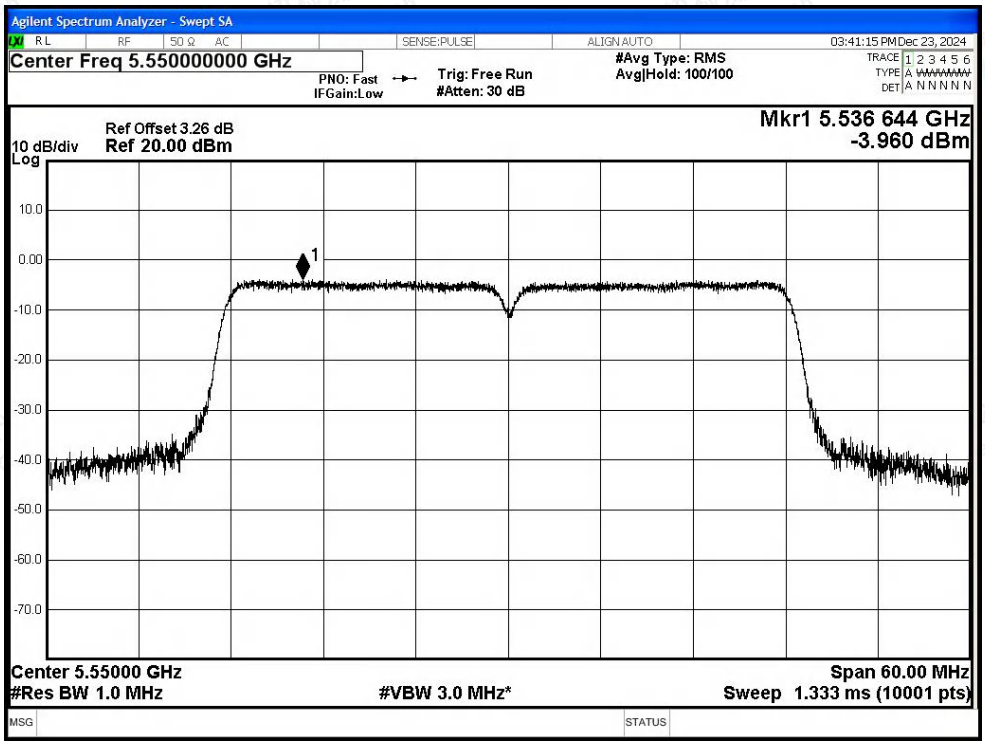
PSD NVNT n20 5700MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5550MHz Ant1



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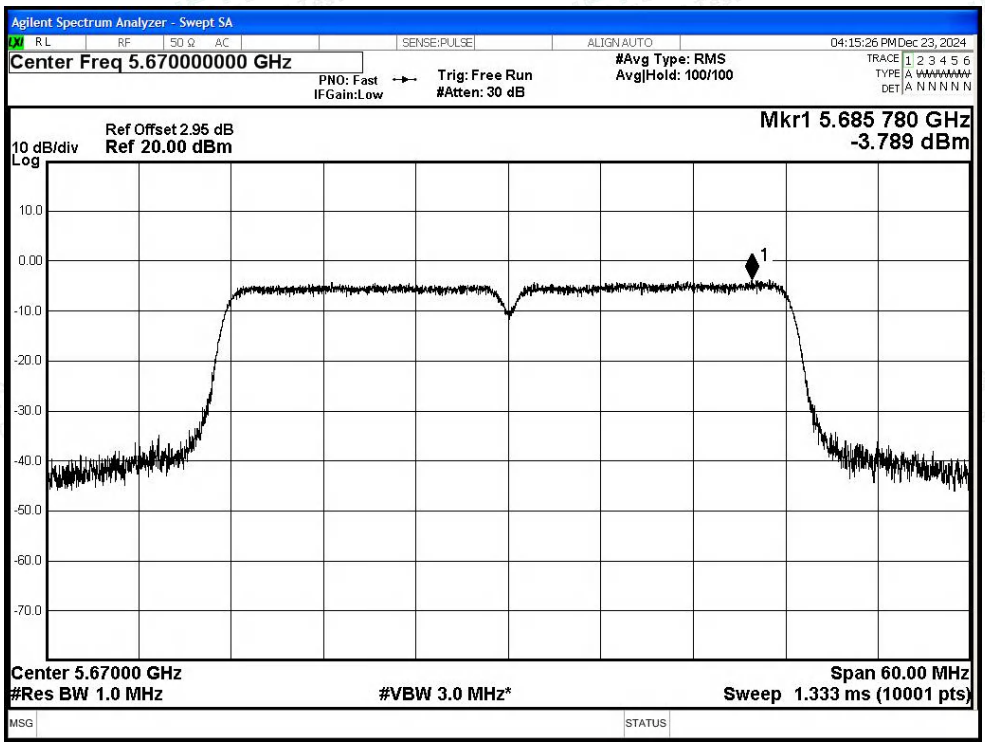
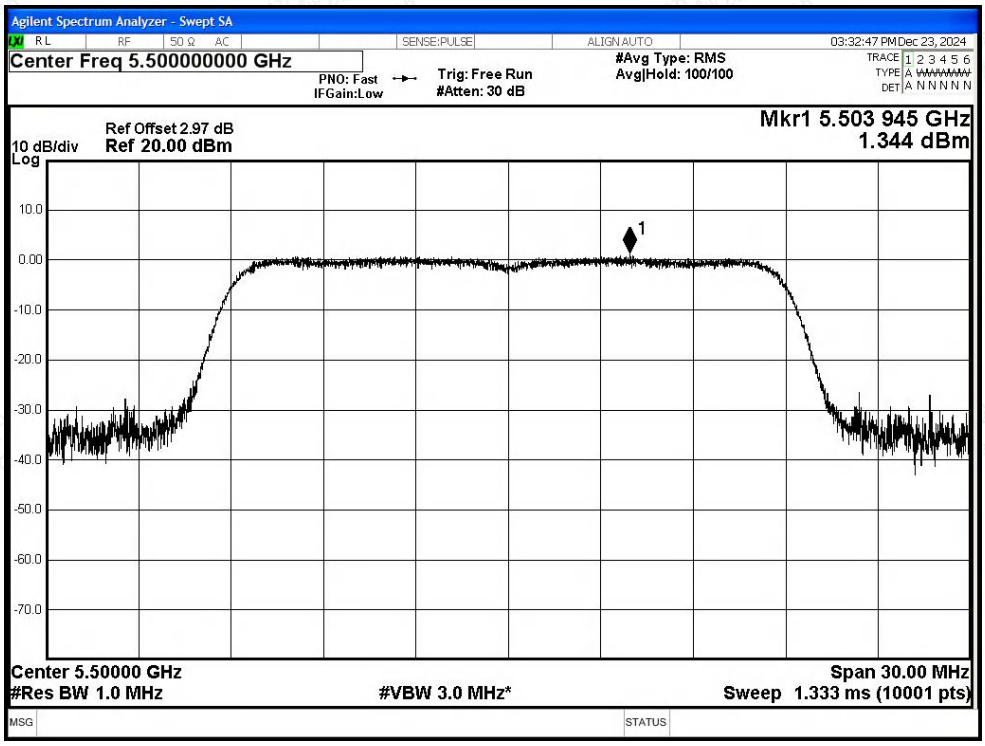
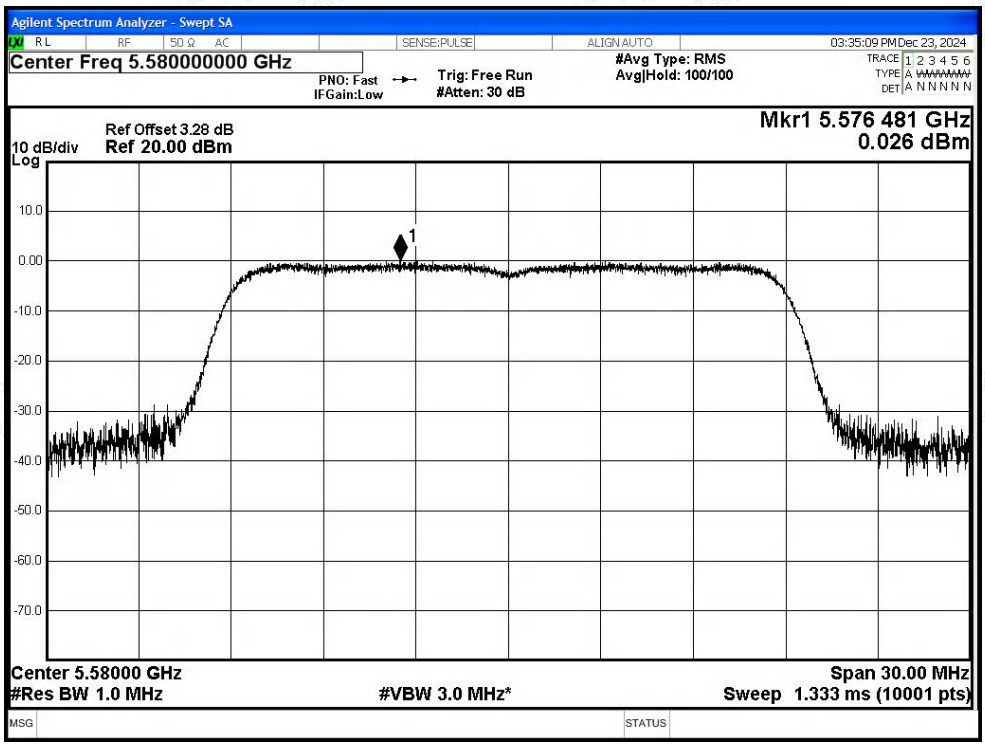


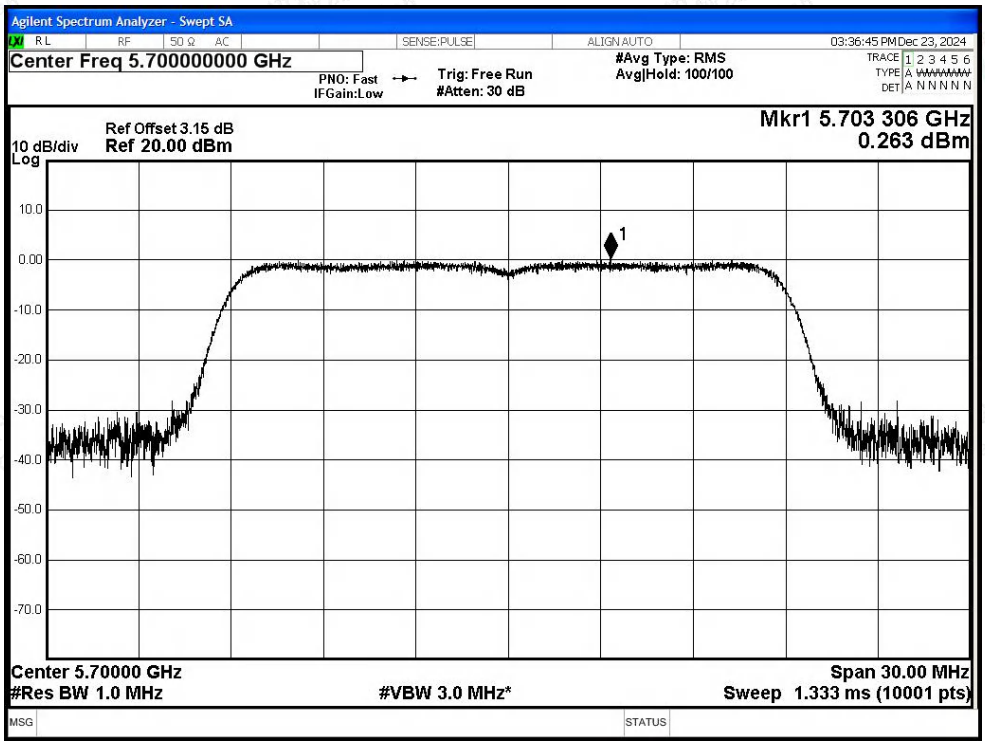
PSD NVNT ac20 5500MHz Ant1



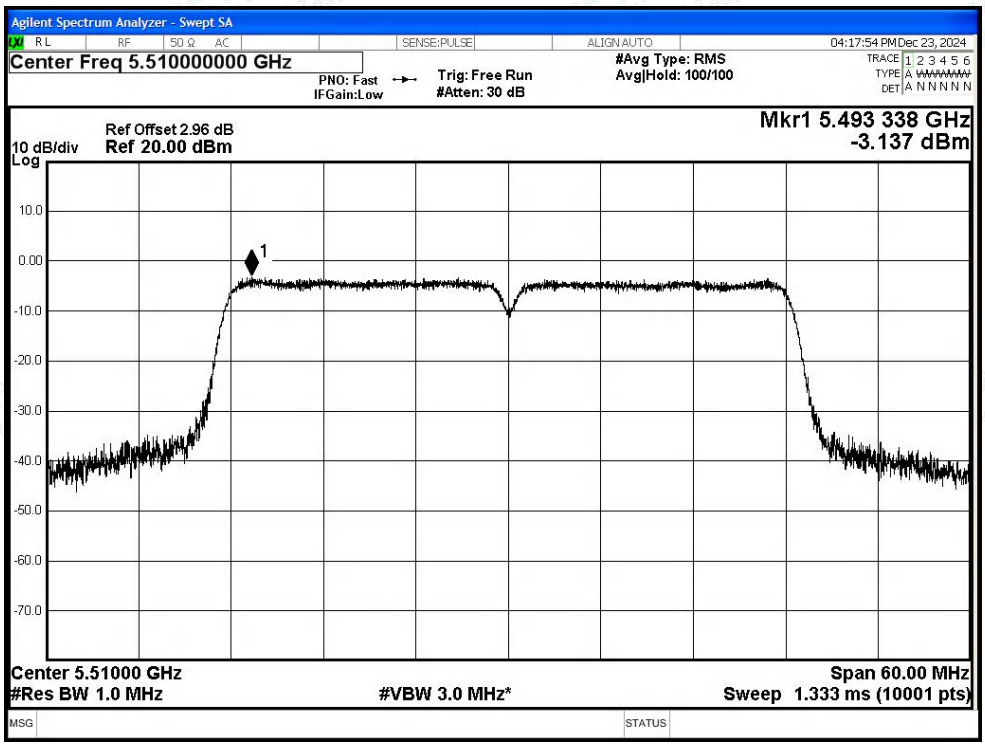
PSD NVNT ac20 5580MHz Ant1



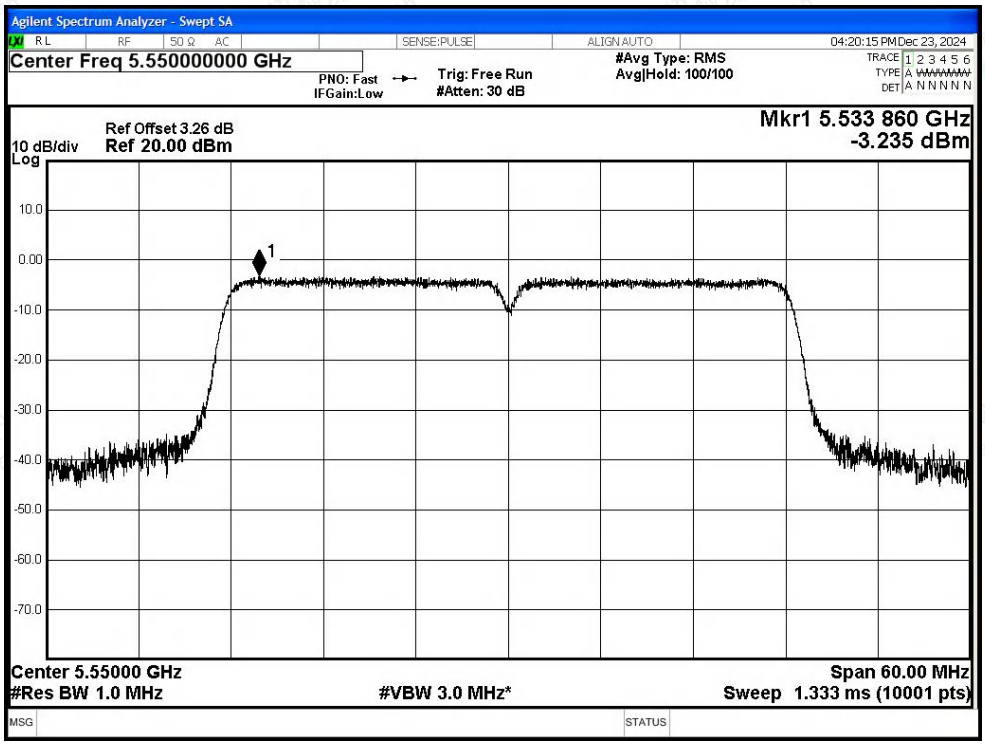
PSD NVNT ac20 5700MHz Ant1



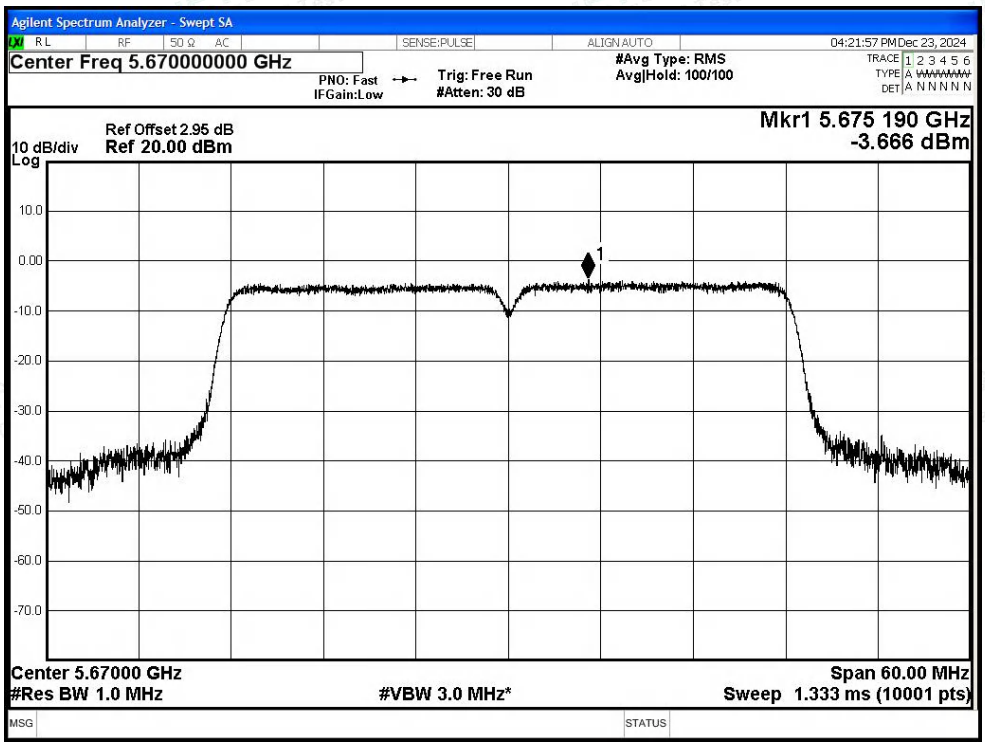
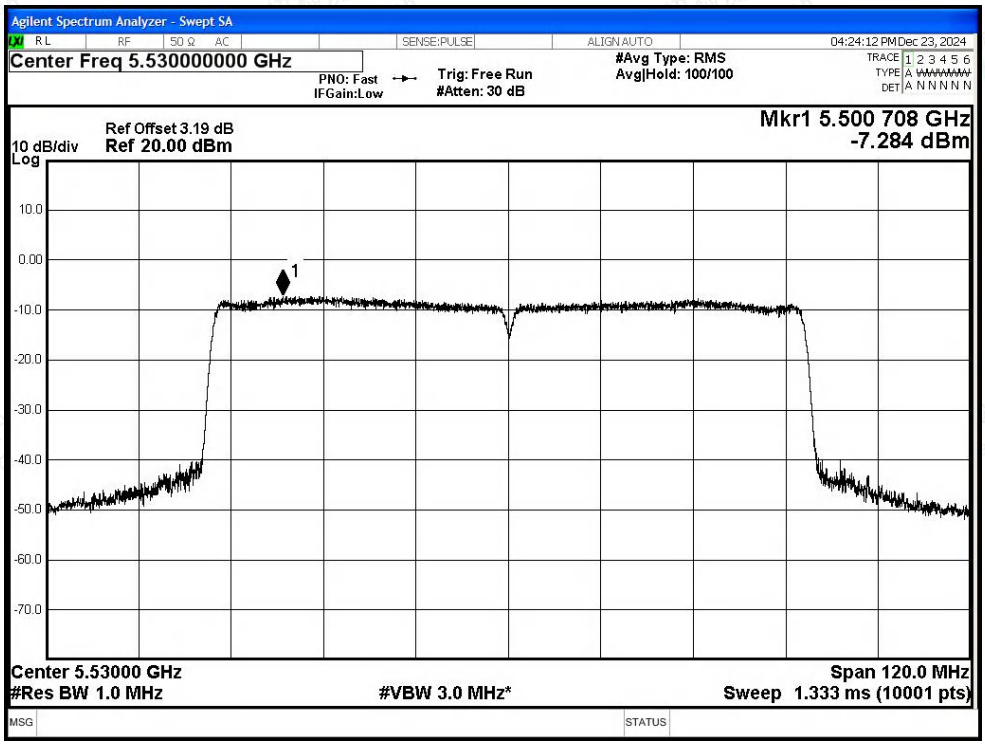
PSD NVNT ac40 5510MHz Ant1



PSD NVNT ac40 5550MHz Ant1



PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac80 5530MHz Ant1