

5.6G-MIMO:

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	Ant1	11.12	0	--	--	Pass
NVNT	ac20	5500	Ant2	8.76	0	--	--	Pass
NVNT	ac20	5500	Sum	--	--	13.11	24	Pass
NVNT	ac20	5600	Ant1	10.32	0	--	--	Pass
NVNT	ac20	5600	Ant2	11.21	0	--	--	Pass
NVNT	ac20	5600	Sum	--	--	13.80	24	Pass
NVNT	ac20	5700	Ant1	11.32	0	--	--	Pass
NVNT	ac20	5700	Ant2	11.33	0	--	--	Pass
NVNT	ac20	5700	Sum	--	--	14.34	24	Pass
NVNT	ac40	5510	Ant1	11.43	0	--	--	Pass
NVNT	ac40	5510	Ant2	8.61	0	--	--	Pass
NVNT	ac40	5510	Sum	--	--	13.26	24	Pass
NVNT	ac40	5590	Ant1	9.89	0	--	--	Pass
NVNT	ac40	5590	Ant2	10.57	0	--	--	Pass
NVNT	ac40	5590	Sum	--	--	13.25	24	Pass
NVNT	ac40	5670	Ant1	11.86	0	--	--	Pass
NVNT	ac40	5670	Ant2	11.52	0	--	--	Pass
NVNT	ac40	5670	Sum	--	--	14.70	24	Pass
NVNT	ac80	5530	Ant1	10.25	0	--	--	Pass
NVNT	ac80	5530	Ant2	8.82	0	--	--	Pass
NVNT	ac80	5530	Sum	--	--	12.60	24	Pass
NVNT	ac80	5610	Ant1	10.27	0	--	--	Pass
NVNT	ac80	5610	Ant2	10.67	0	--	--	Pass
NVNT	ac80	5610	Sum	--	--	13.48	24	Pass
NVNT	ax20	5500	Ant1	11.85	0	--	--	Pass
NVNT	ax20	5500	Ant2	9.73	0	--	--	Pass
NVNT	ax20	5500	Sum	--	--	13.93	24	Pass
NVNT	ax20	5600	Ant1	10.52	0	--	--	Pass
NVNT	ax20	5600	Ant2	11.35	0	--	--	Pass
NVNT	ax20	5600	Sum	--	--	13.97	24	Pass
NVNT	ax20	5700	Ant1	11.17	0	--	--	Pass
NVNT	ax20	5700	Ant2	11.21	0	--	--	Pass
NVNT	ax20	5700	Sum	--	--	14.20	24	Pass
NVNT	ax40	5510	Ant1	11.63	0	--	--	Pass
NVNT	ax40	5510	Ant2	9.01	0	--	--	Pass

NVNT	ax40	5510	Sum	--	--	13.52	24	Pass
NVNT	ax40	5590	Ant1	10.23	0	--	--	Pass
NVNT	ax40	5590	Ant2	10.88	0	--	--	Pass
NVNT	ax40	5590	Sum	--	--	13.58	24	Pass
NVNT	ax40	5670	Ant1	12.15	0	--	--	Pass
NVNT	ax40	5670	Ant2	11.7	0	--	--	Pass
NVNT	ax40	5670	Sum	--	--	14.94	24	Pass
NVNT	ax80	5530	Ant1	10.63	0	--	--	Pass
NVNT	ax80	5530	Ant2	9.3	0	--	--	Pass
NVNT	ax80	5530	Sum	--	--	13.03	24	Pass
NVNT	ax80	5610	Ant1	10.31	0	--	--	Pass
NVNT	ax80	5610	Ant2	10.85	0	--	--	Pass
NVNT	ax80	5610	Sum	--	--	13.60	24	Pass
NVNT	n20	5500	Ant1	11.42	0	--	--	Pass
NVNT	n20	5500	Ant2	8.9	0	--	--	Pass
NVNT	n20	5500	Sum	--	--	13.35	24	Pass
NVNT	n20	5600	Ant1	10.43	0	--	--	Pass
NVNT	n20	5600	Ant2	11.21	0	--	--	Pass
NVNT	n20	5600	Sum	--	--	13.85	24	Pass
NVNT	n20	5700	Ant1	11.82	0	--	--	Pass
NVNT	n20	5700	Ant2	11.4	0	--	--	Pass
NVNT	n20	5700	Sum	--	--	14.63	24	Pass
NVNT	n40	5510	Ant1	11.58	0	--	--	Pass
NVNT	n40	5510	Ant2	8.96	0	--	--	Pass
NVNT	n40	5510	Sum	--	--	13.47	24	Pass
NVNT	n40	5590	Ant1	10.2	0	--	--	Pass
NVNT	n40	5590	Ant2	10.6	0	--	--	Pass
NVNT	n40	5590	Sum	--	--	13.41	24	Pass
NVNT	n40	5670	Ant1	11.8	0	--	--	Pass
NVNT	n40	5670	Ant2	11.49	0	--	--	Pass
NVNT	n40	5670	Sum	--	--	14.66	24	Pass

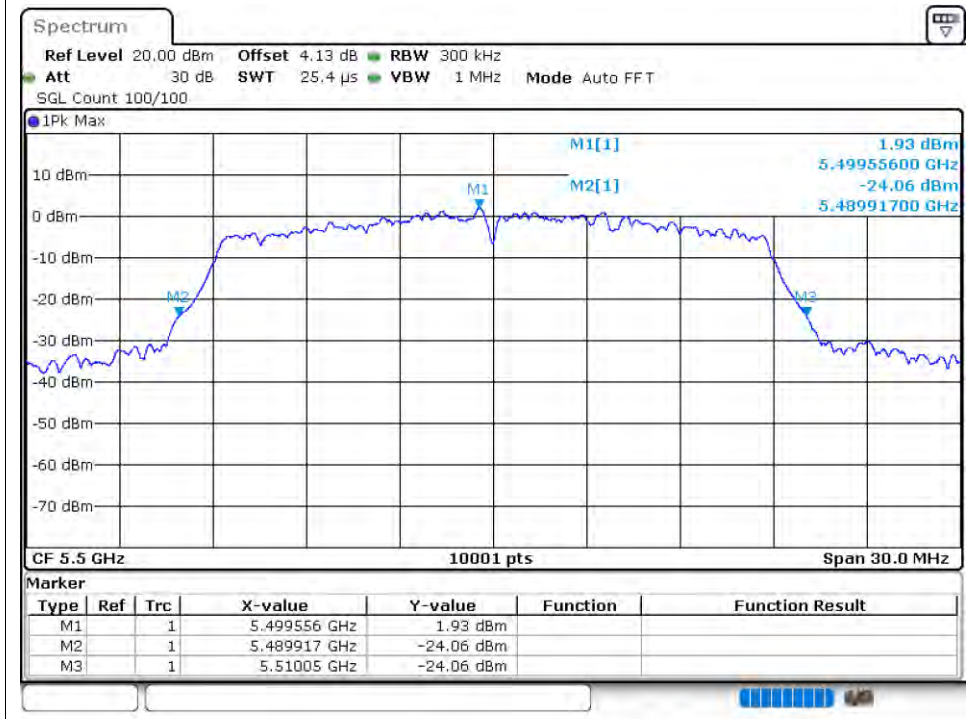
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5500	Ant1	20.133	0.5	Pass
NVNT	ac20	5500	Ant2	20.031	0.5	Pass
NVNT	ac20	5600	Ant1	20.409	0.5	Pass
NVNT	ac20	5600	Ant2	19.659	0.5	Pass
NVNT	ac20	5700	Ant1	20.238	0.5	Pass
NVNT	ac20	5700	Ant2	19.998	0.5	Pass
NVNT	ac40	5510	Ant1	41.13	0.5	Pass
NVNT	ac40	5510	Ant2	40.212	0.5	Pass
NVNT	ac40	5590	Ant1	40.854	0.5	Pass
NVNT	ac40	5590	Ant2	39.894	0.5	Pass
NVNT	ac40	5670	Ant1	42.48	0.5	Pass
NVNT	ac40	5670	Ant2	40.326	0.5	Pass
NVNT	ac80	5530	Ant1	104.064	0.5	Pass
NVNT	ac80	5530	Ant2	79.968	0.5	Pass
NVNT	ac80	5610	Ant1	115.344	0.5	Pass
NVNT	ac80	5610	Ant2	80.628	0.5	Pass
NVNT	ax20	5500	Ant1	19.893	0.5	Pass
NVNT	ax20	5500	Ant2	19.863	0.5	Pass
NVNT	ax20	5600	Ant1	19.989	0.5	Pass
NVNT	ax20	5600	Ant2	19.836	0.5	Pass
NVNT	ax20	5700	Ant1	20.028	0.5	Pass
NVNT	ax20	5700	Ant2	19.878	0.5	Pass
NVNT	ax40	5510	Ant1	39.624	0.5	Pass
NVNT	ax40	5510	Ant2	39.594	0.5	Pass
NVNT	ax40	5590	Ant1	39.642	0.5	Pass
NVNT	ax40	5590	Ant2	39.552	0.5	Pass
NVNT	ax40	5670	Ant1	39.72	0.5	Pass
NVNT	ax40	5670	Ant2	39.534	0.5	Pass
NVNT	ax80	5530	Ant1	80.508	0.5	Pass
NVNT	ax80	5530	Ant2	80.472	0.5	Pass
NVNT	ax80	5610	Ant1	80.508	0.5	Pass
NVNT	ax80	5610	Ant2	80.592	0.5	Pass
NVNT	n20	5500	Ant1	19.938	0.5	Pass
NVNT	n20	5500	Ant2	20.061	0.5	Pass
NVNT	n20	5600	Ant1	19.854	0.5	Pass
NVNT	n20	5600	Ant2	19.62	0.5	Pass
NVNT	n20	5700	Ant1	20.202	0.5	Pass
NVNT	n20	5700	Ant2	20.109	0.5	Pass
NVNT	n40	5510	Ant1	42.804	0.5	Pass
NVNT	n40	5510	Ant2	40.11	0.5	Pass
NVNT	n40	5590	Ant1	40.866	0.5	Pass

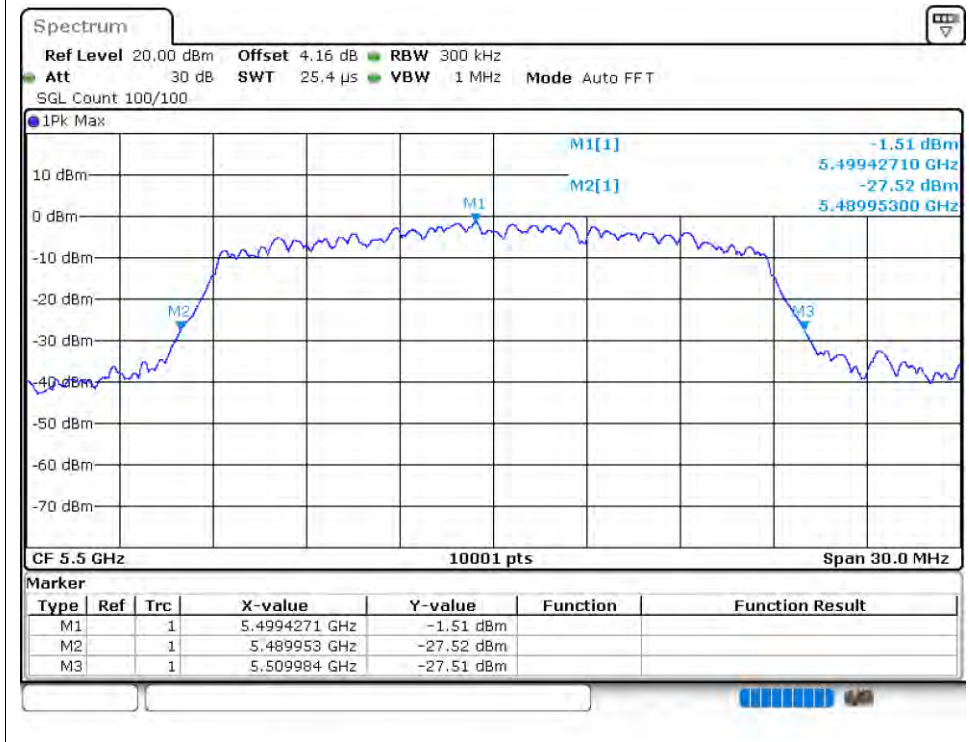
NVNT	n40	5590	Ant2	40.272	0.5	Pass
NVNT	n40	5670	Ant1	40.866	0.5	Pass
NVNT	n40	5670	Ant2	40.05	0.5	Pass

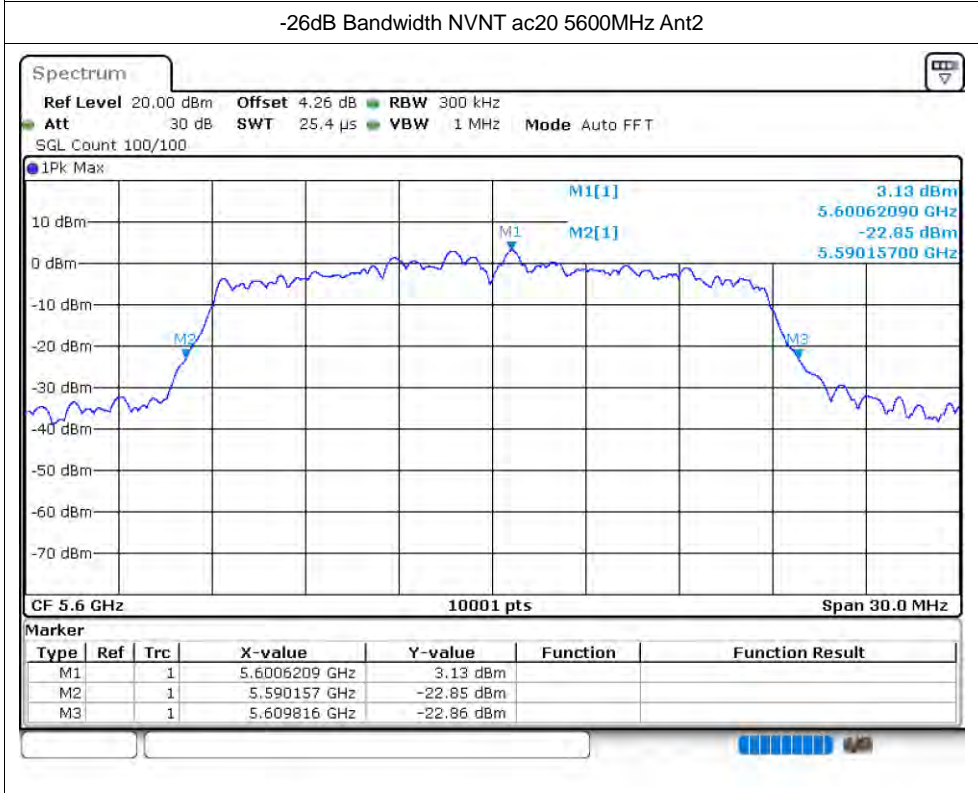
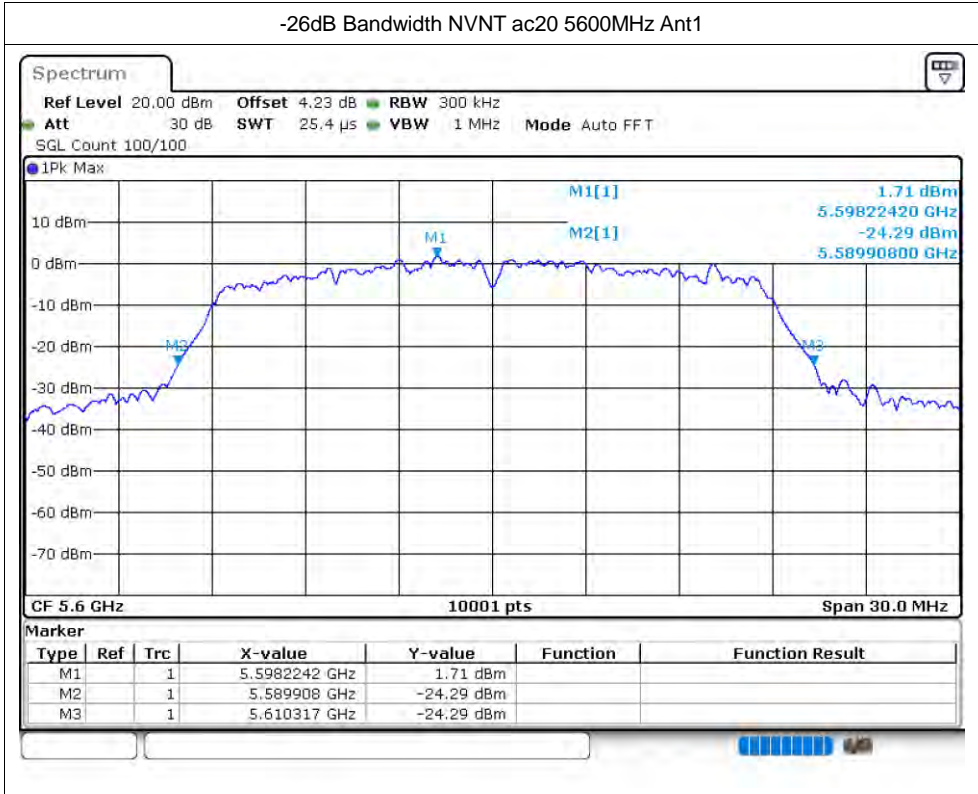
Test Graphs

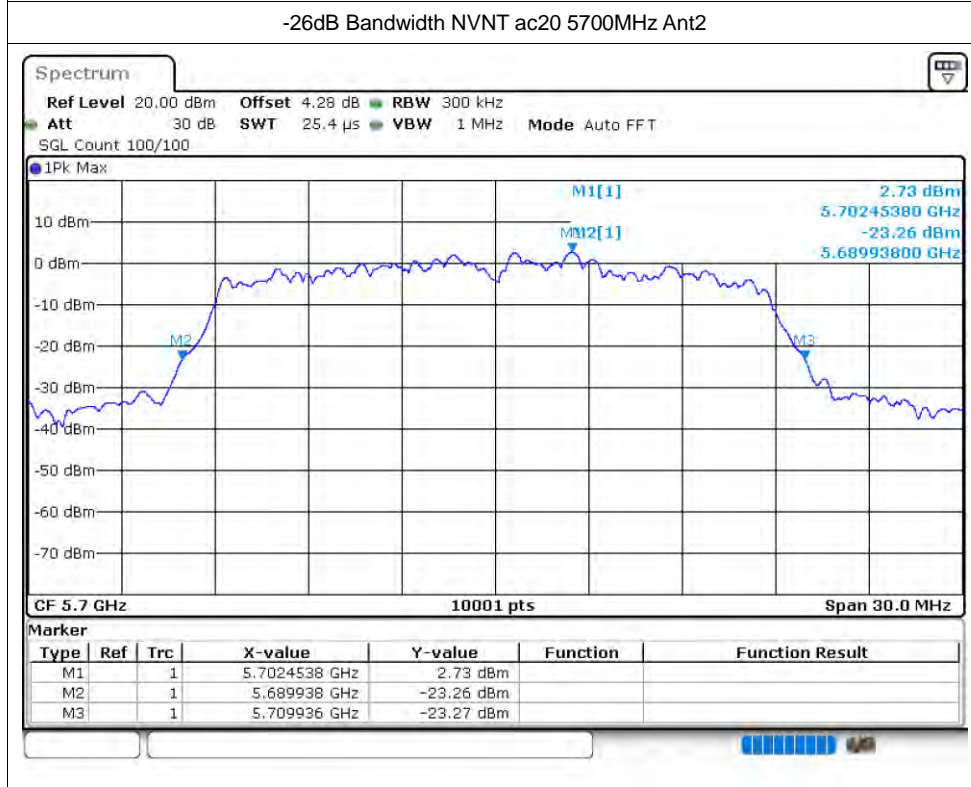
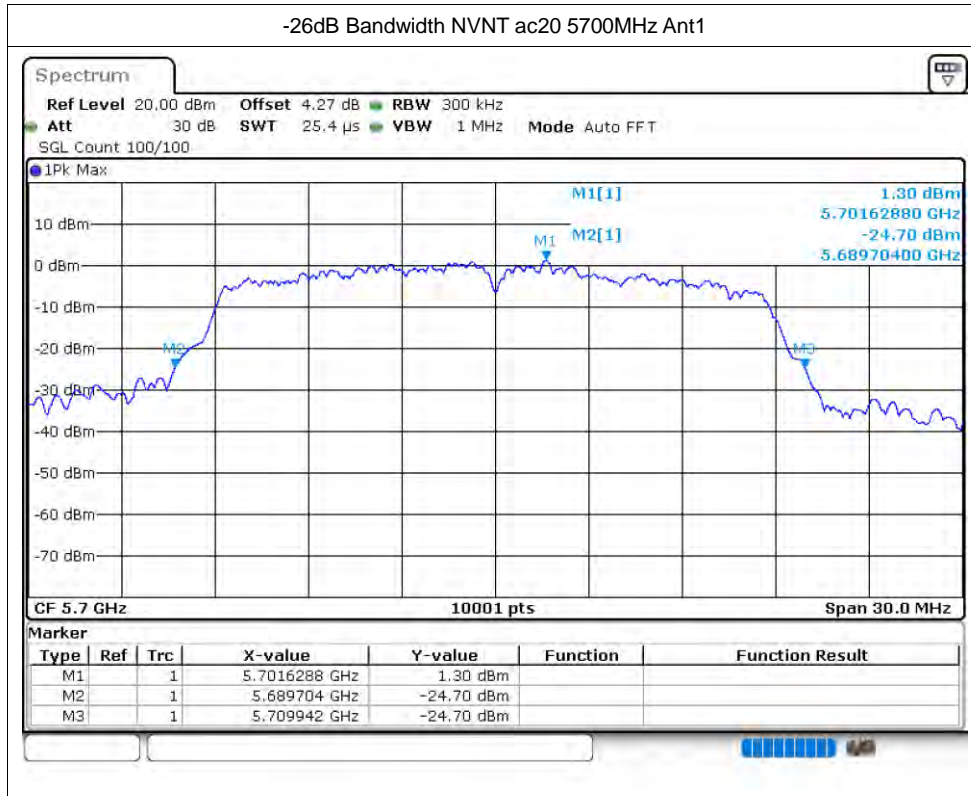
-26dB Bandwidth NVNT ac20 5500MHz Ant1

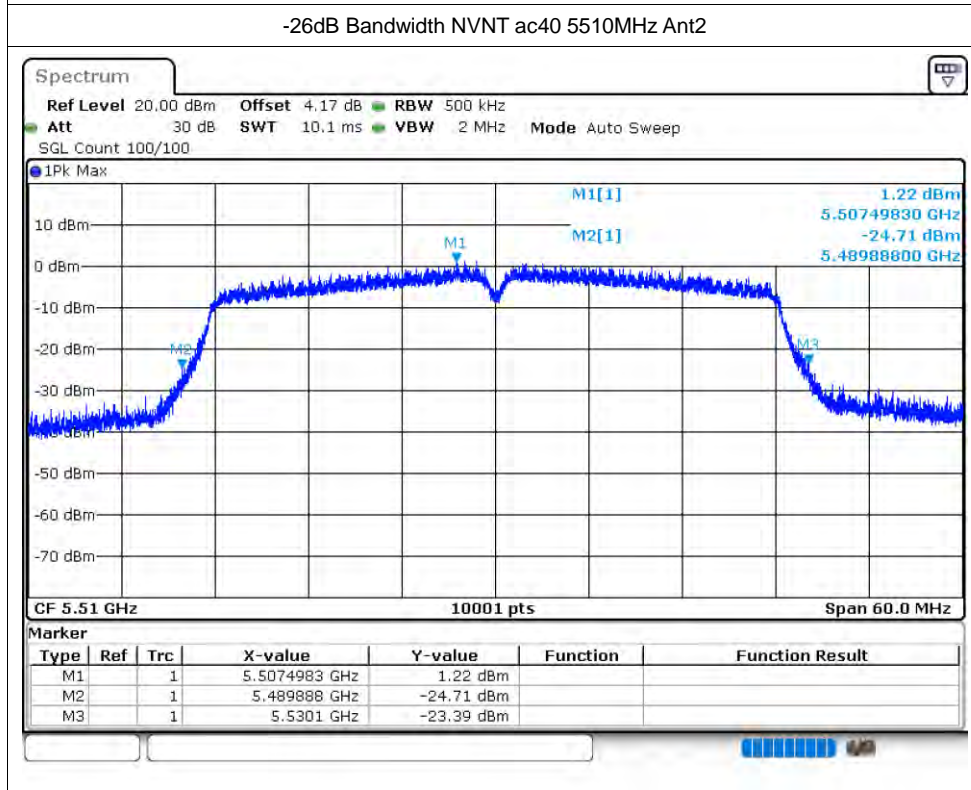
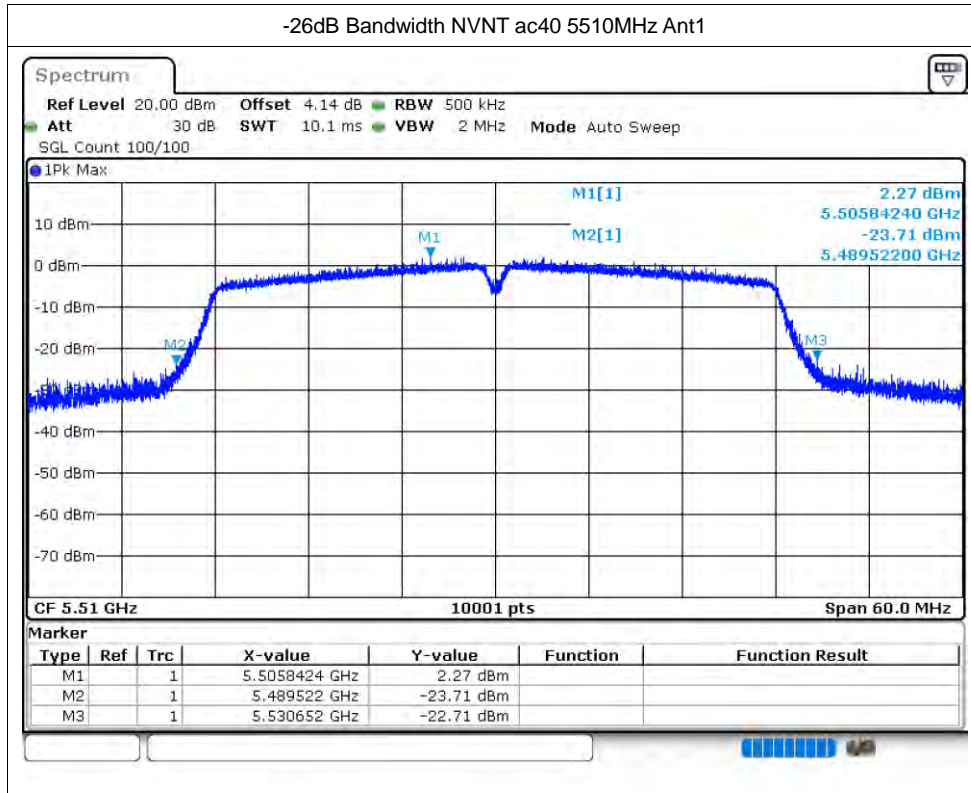


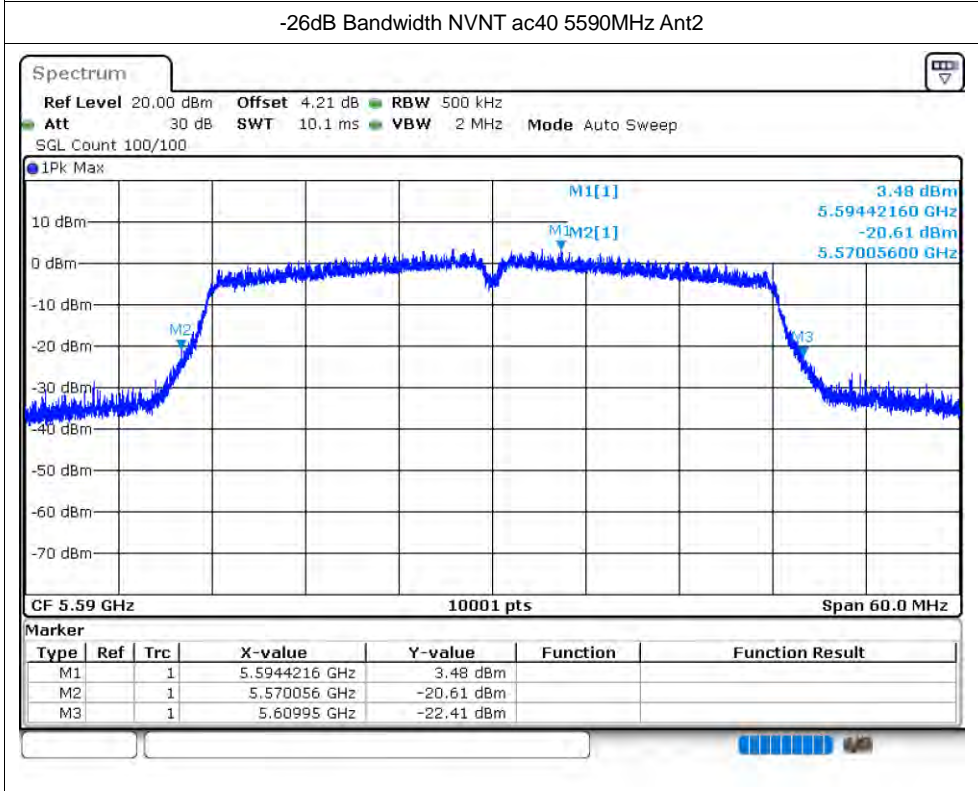
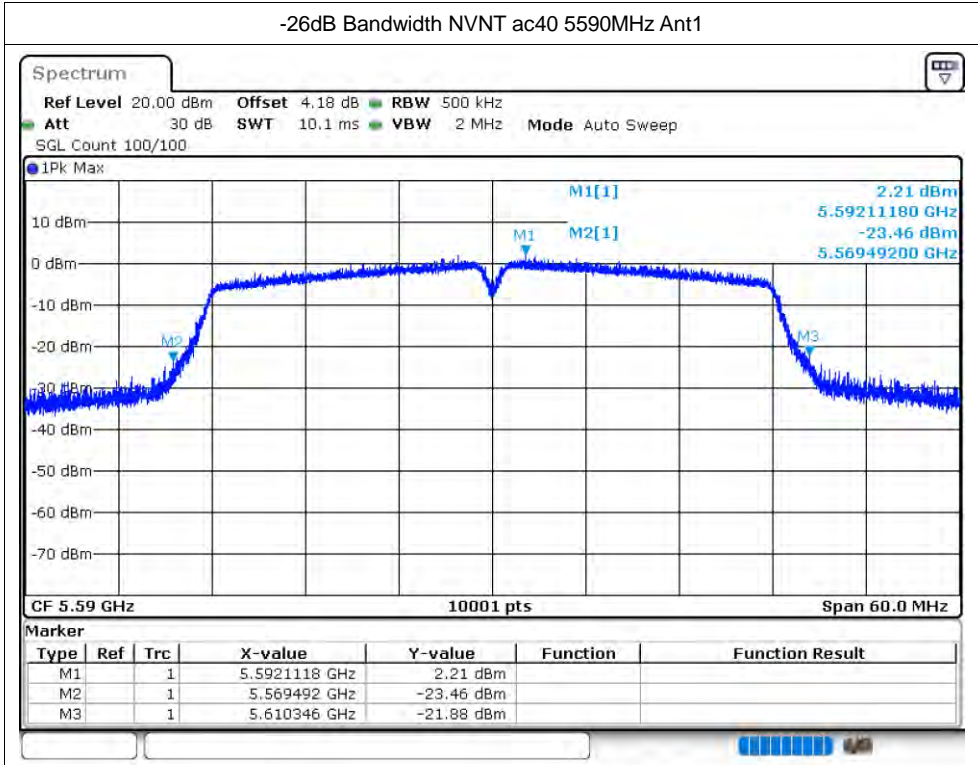
-26dB Bandwidth NVNT ac20 5500MHz Ant2

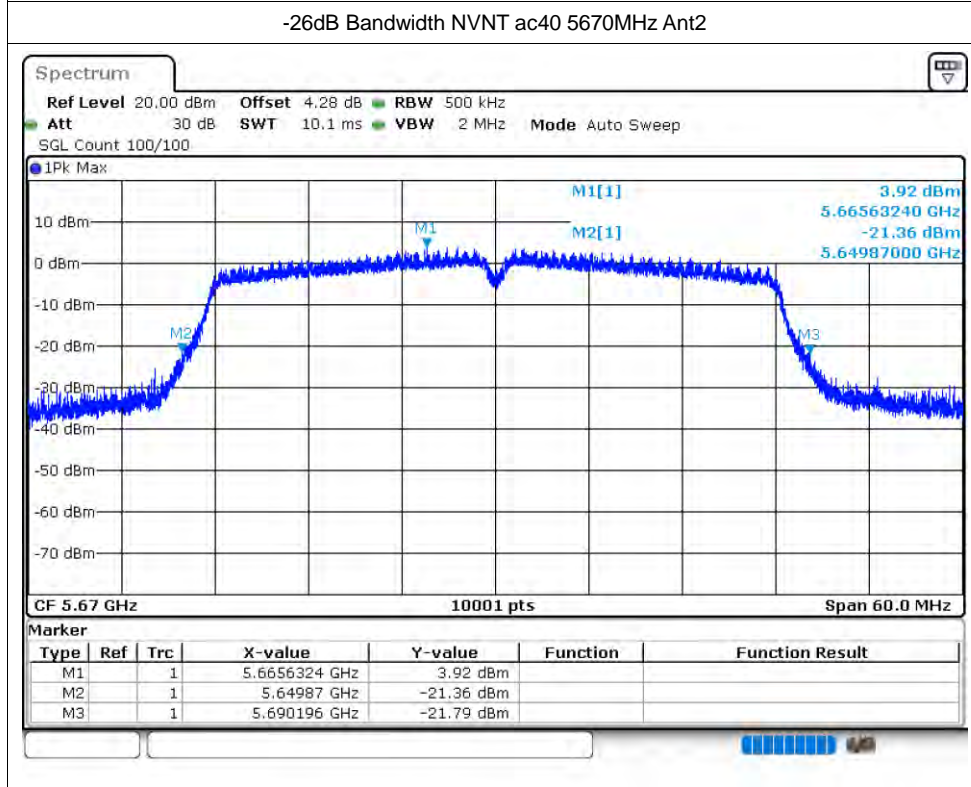
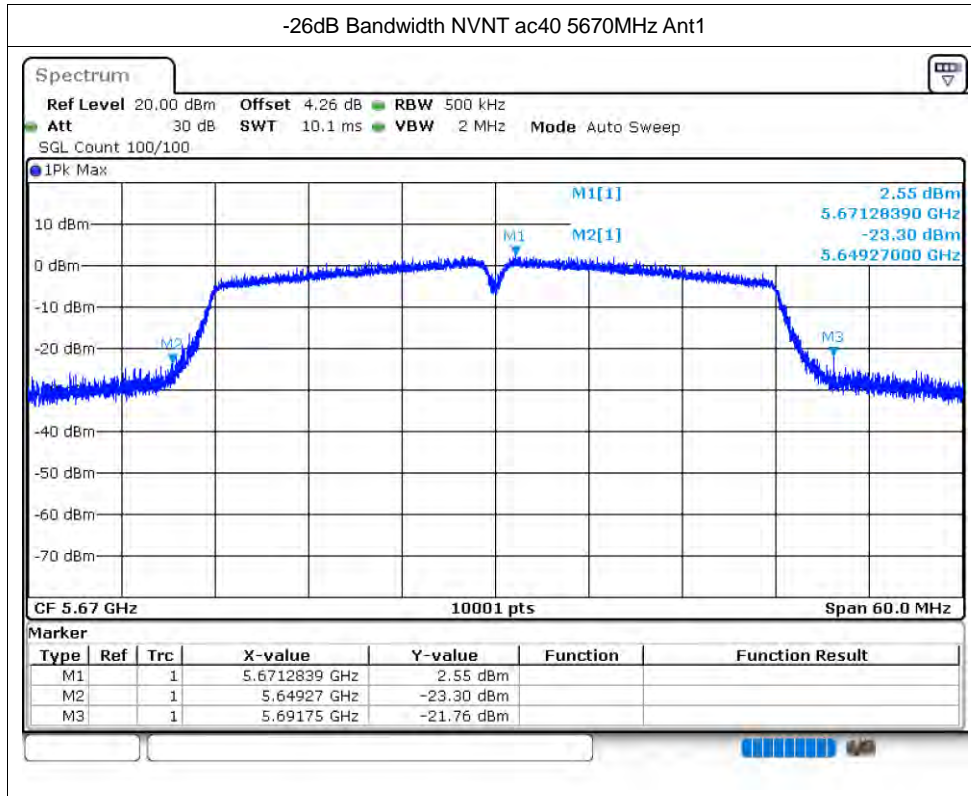


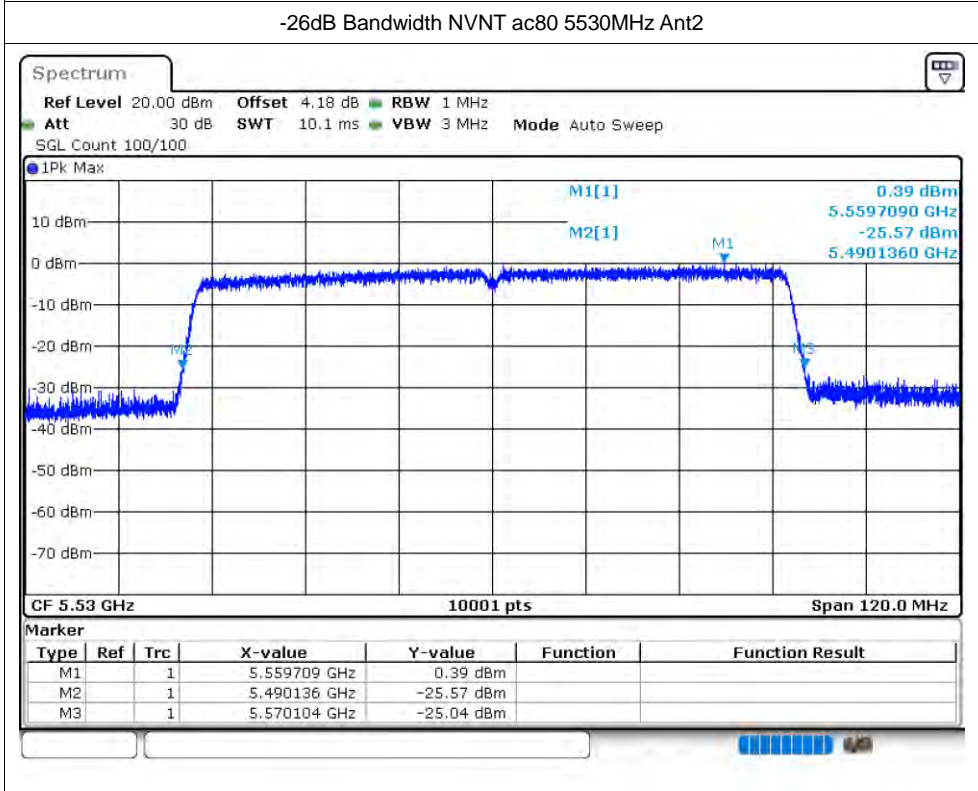
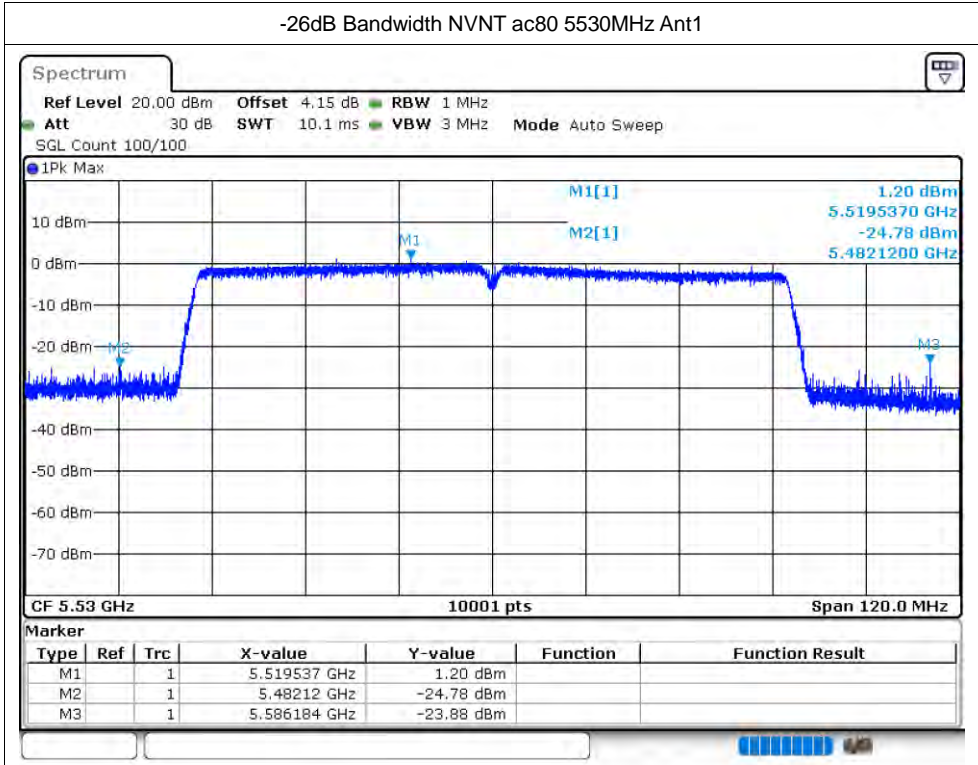


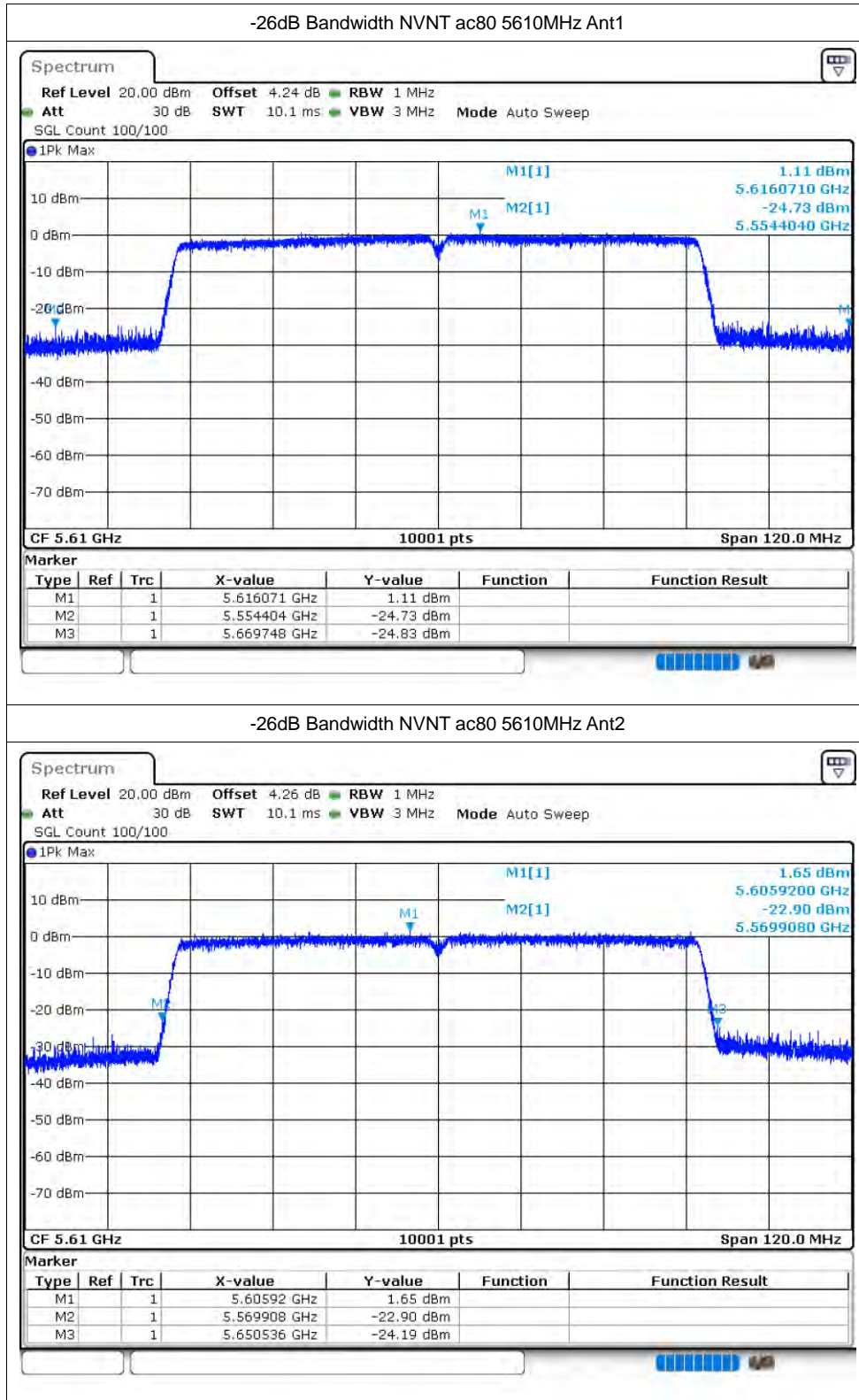


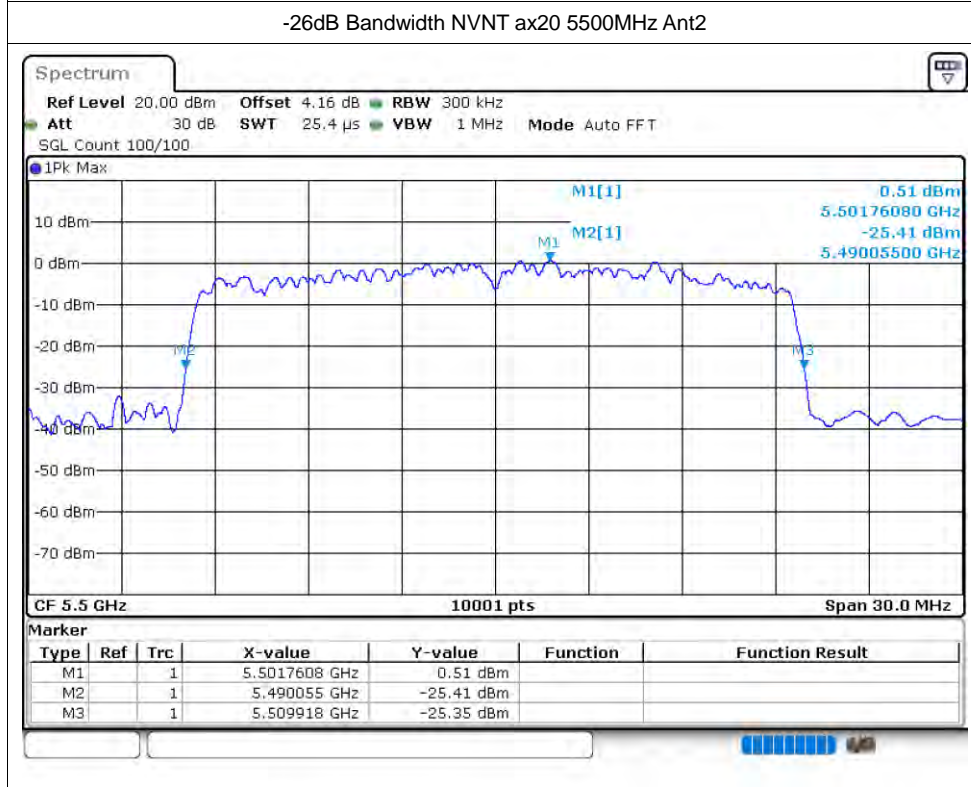
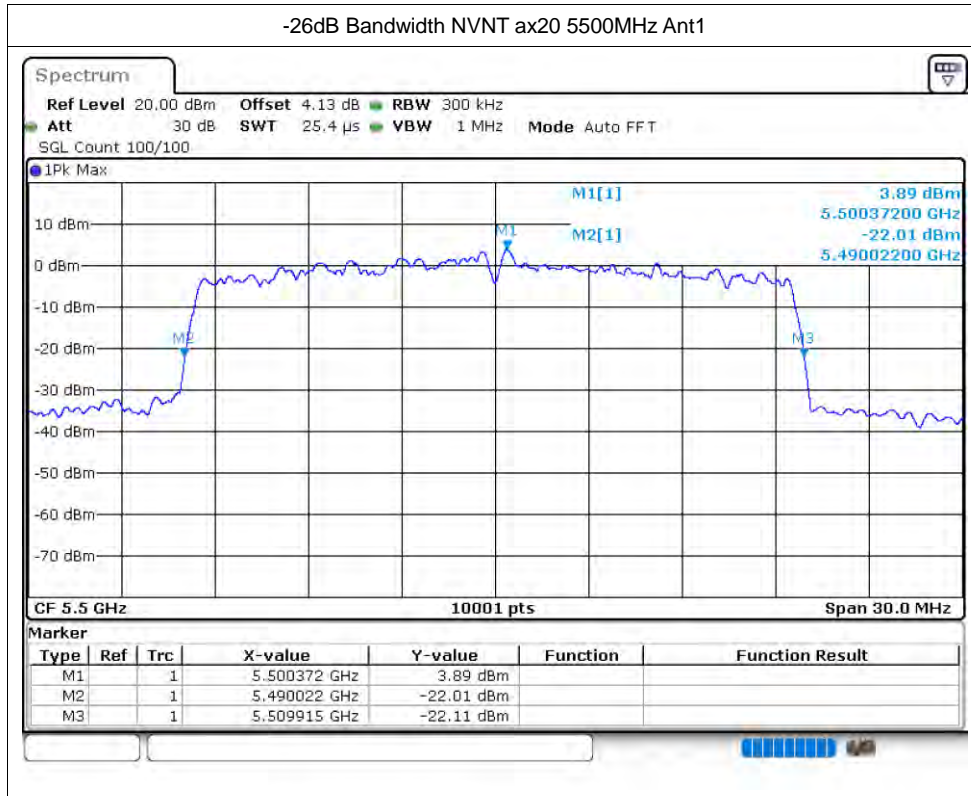


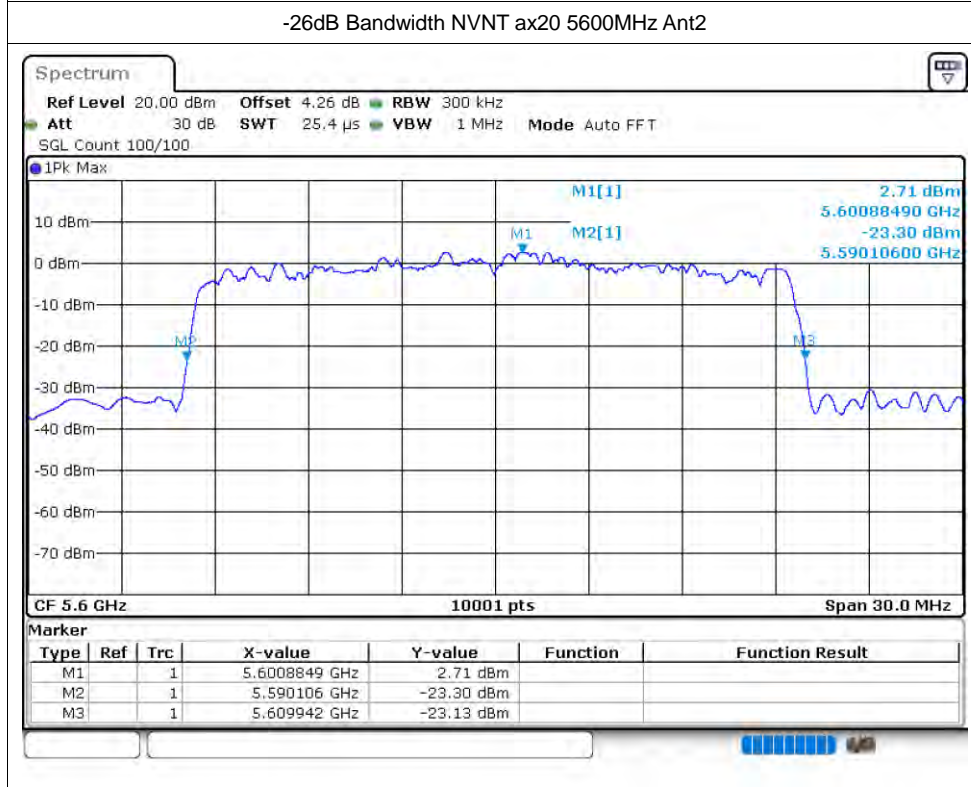
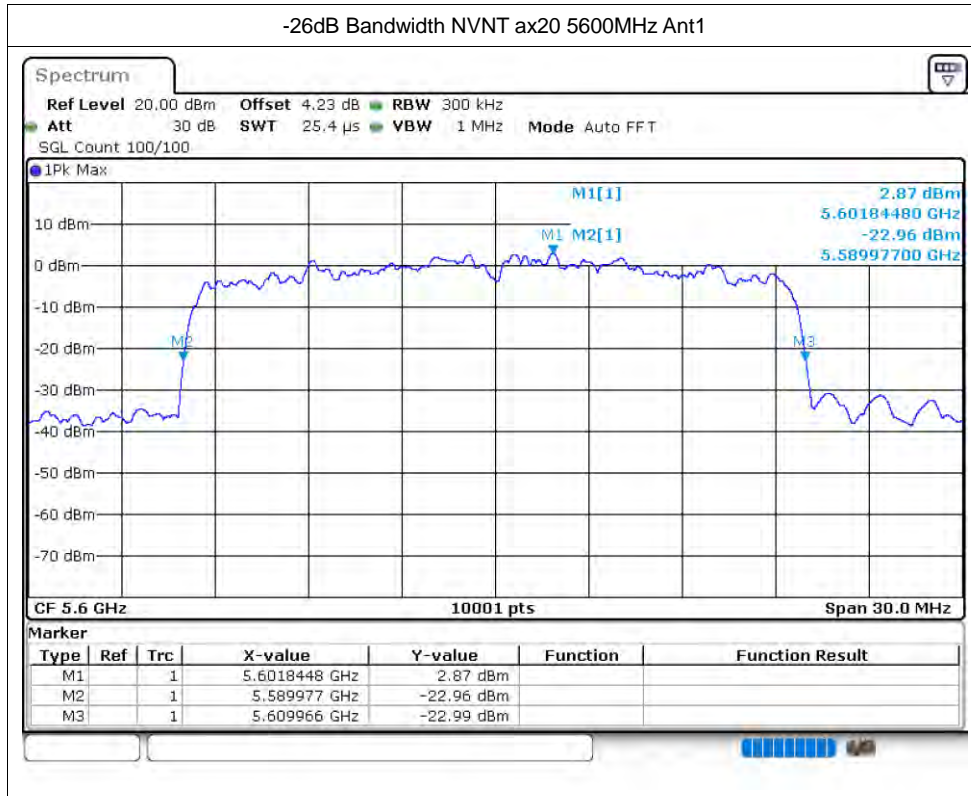


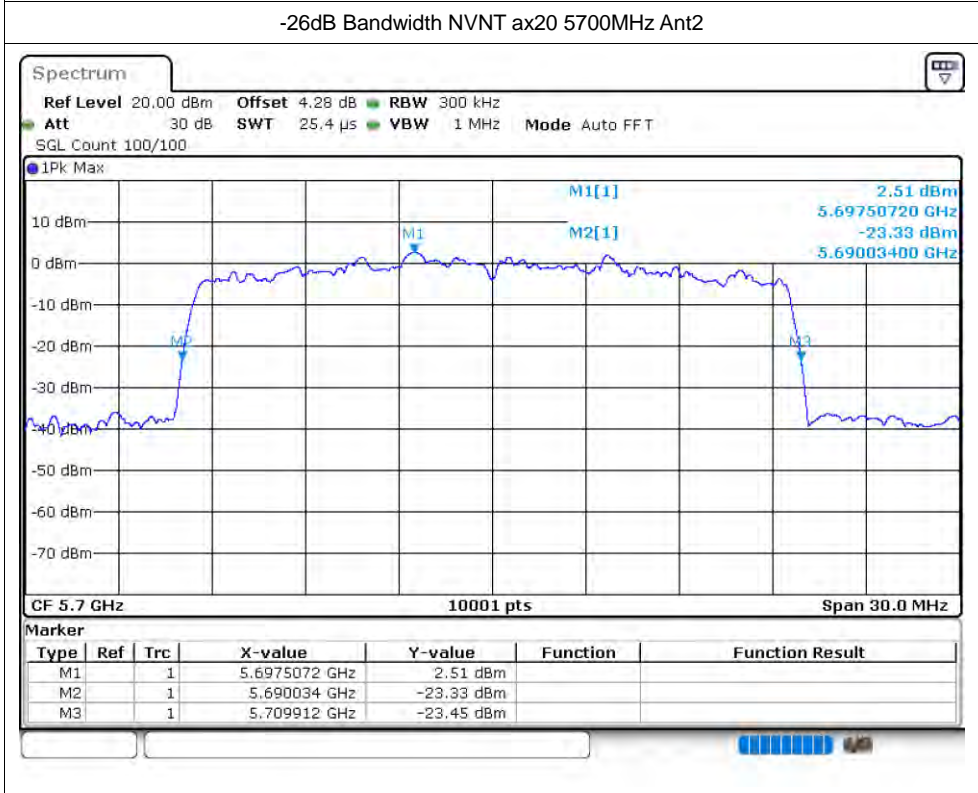
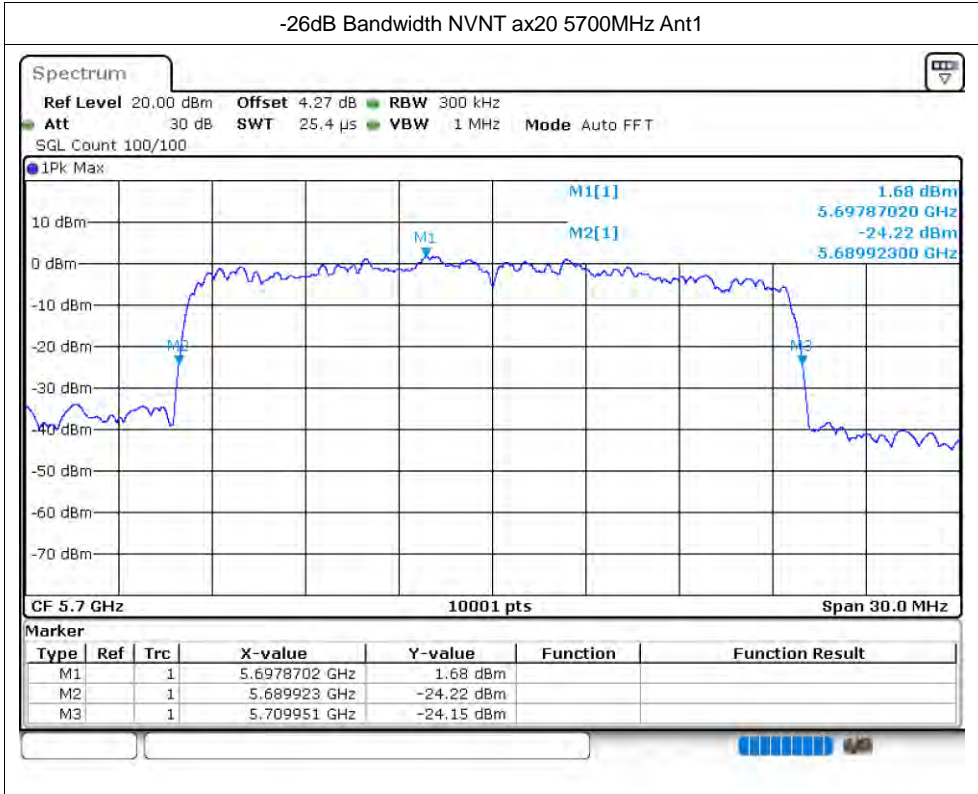


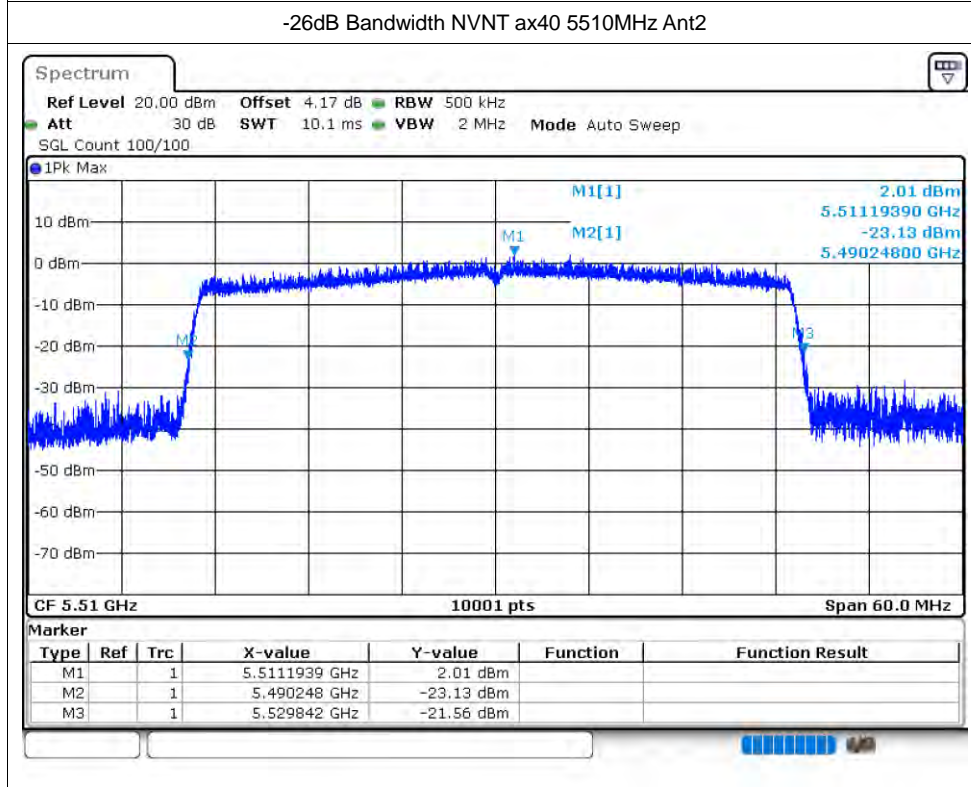
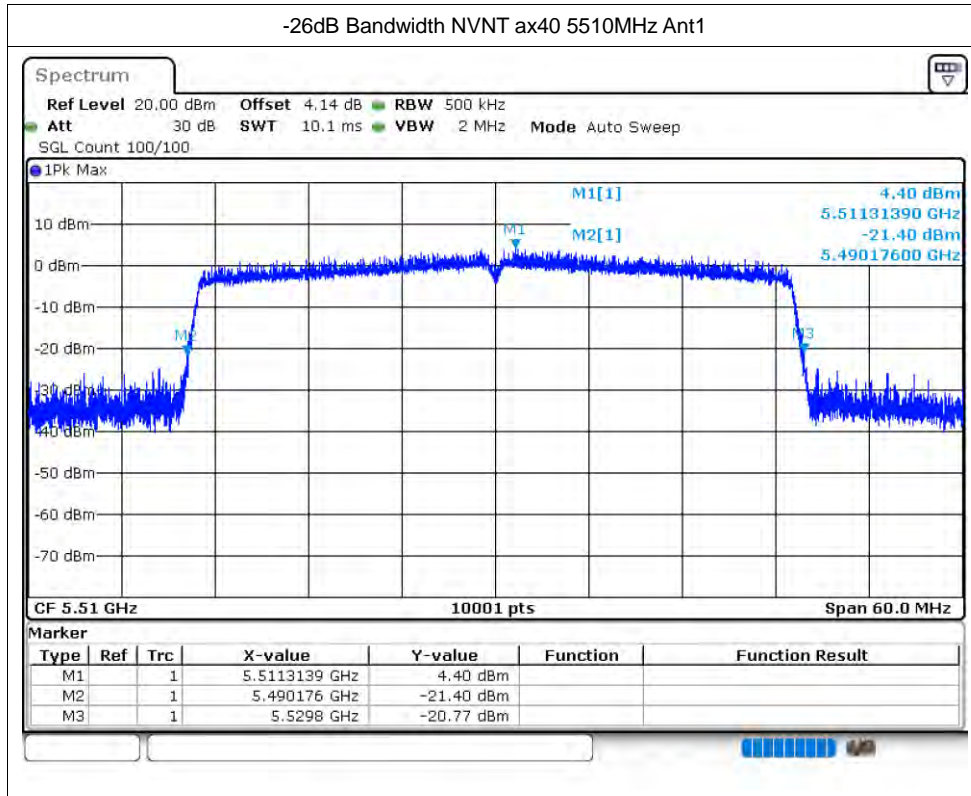


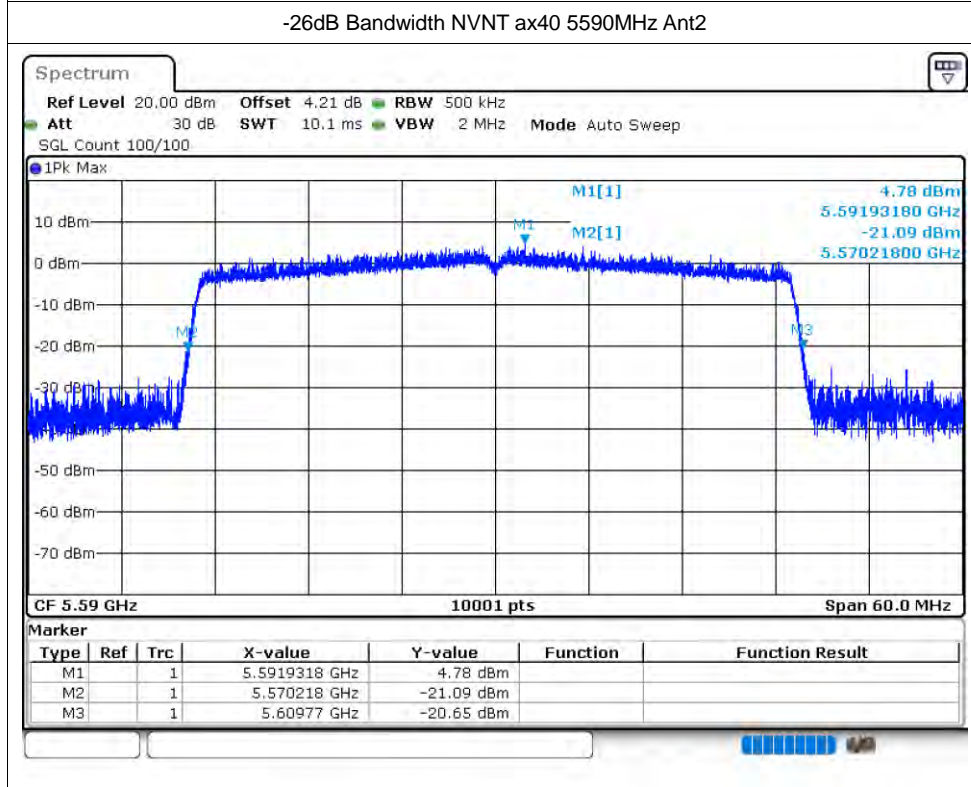
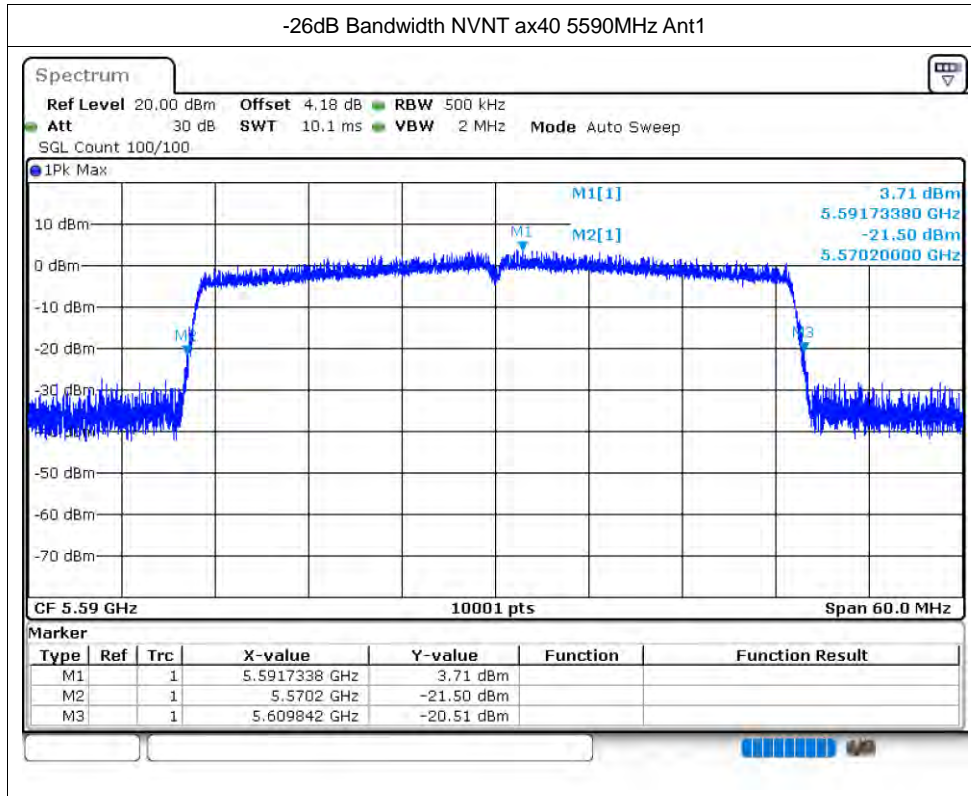


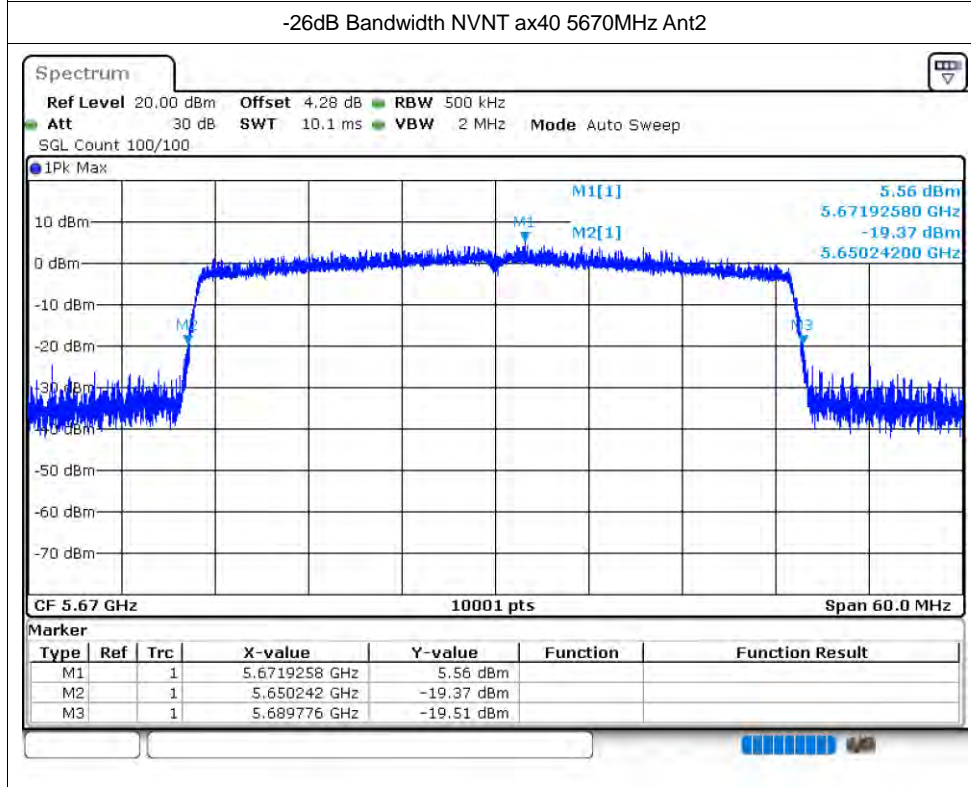
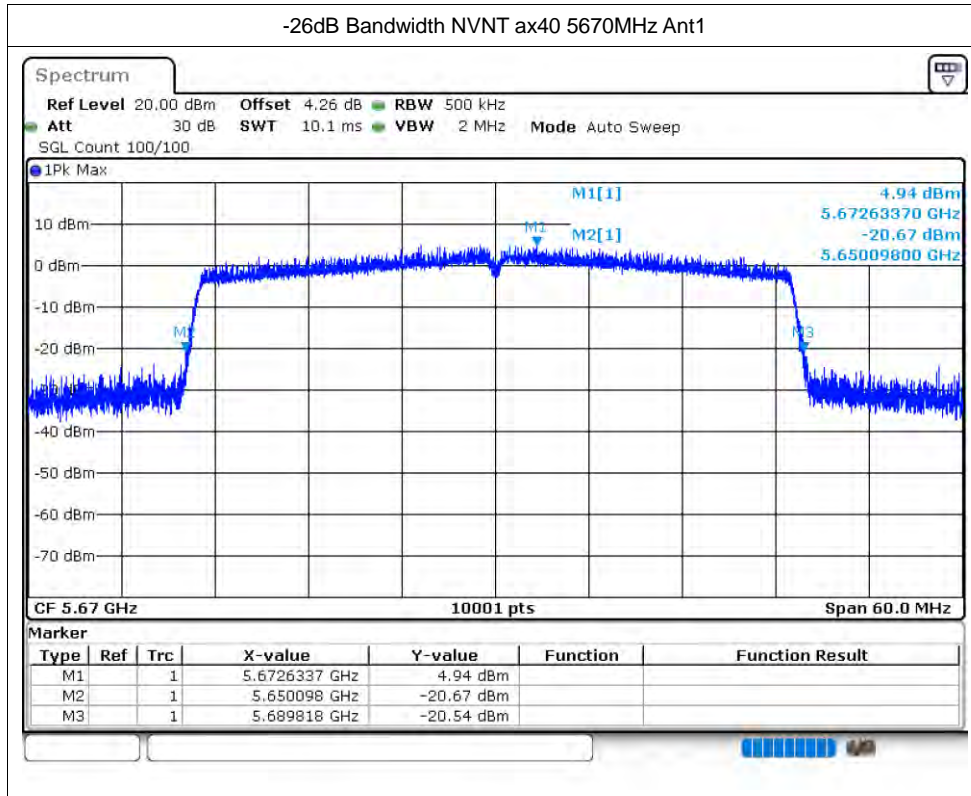


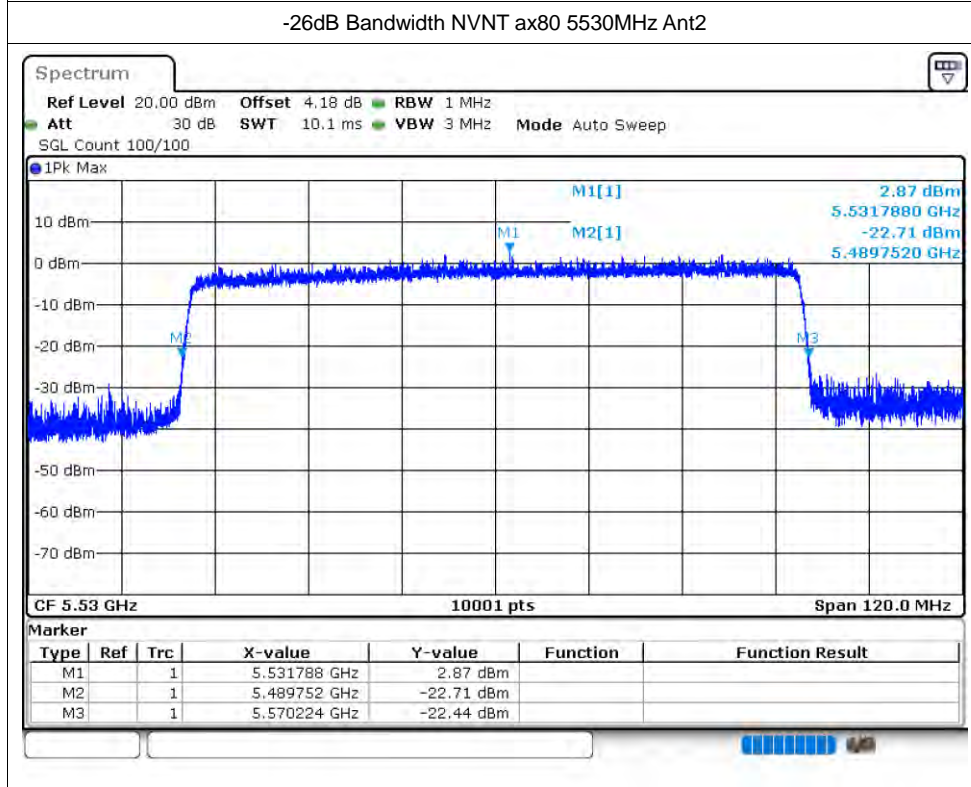
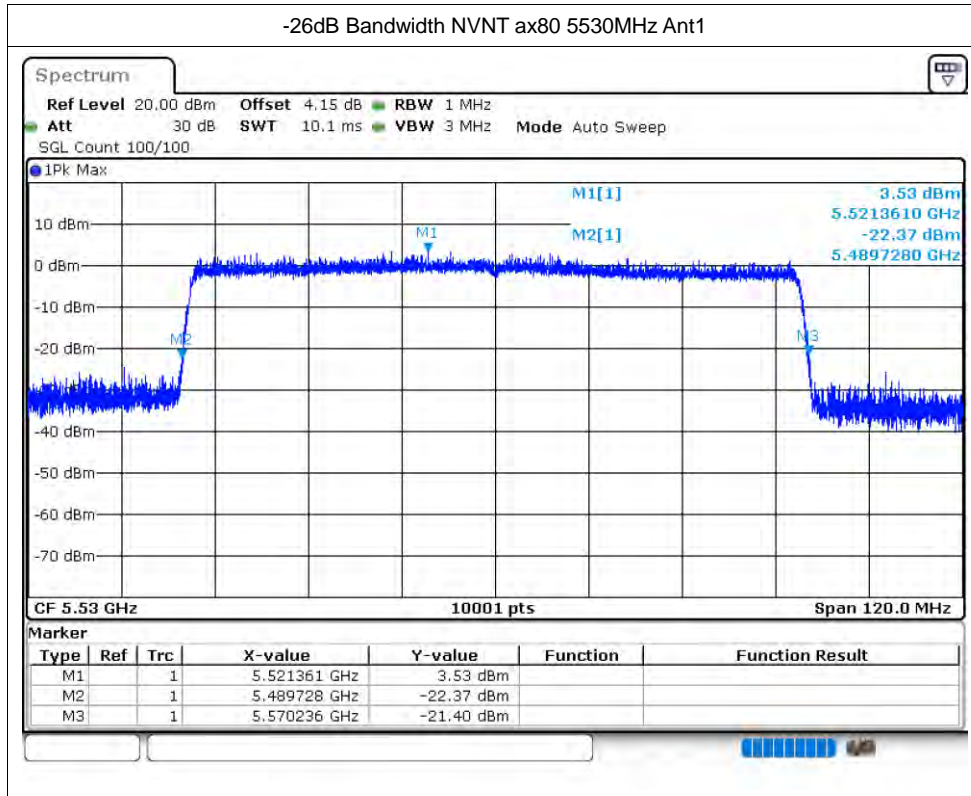


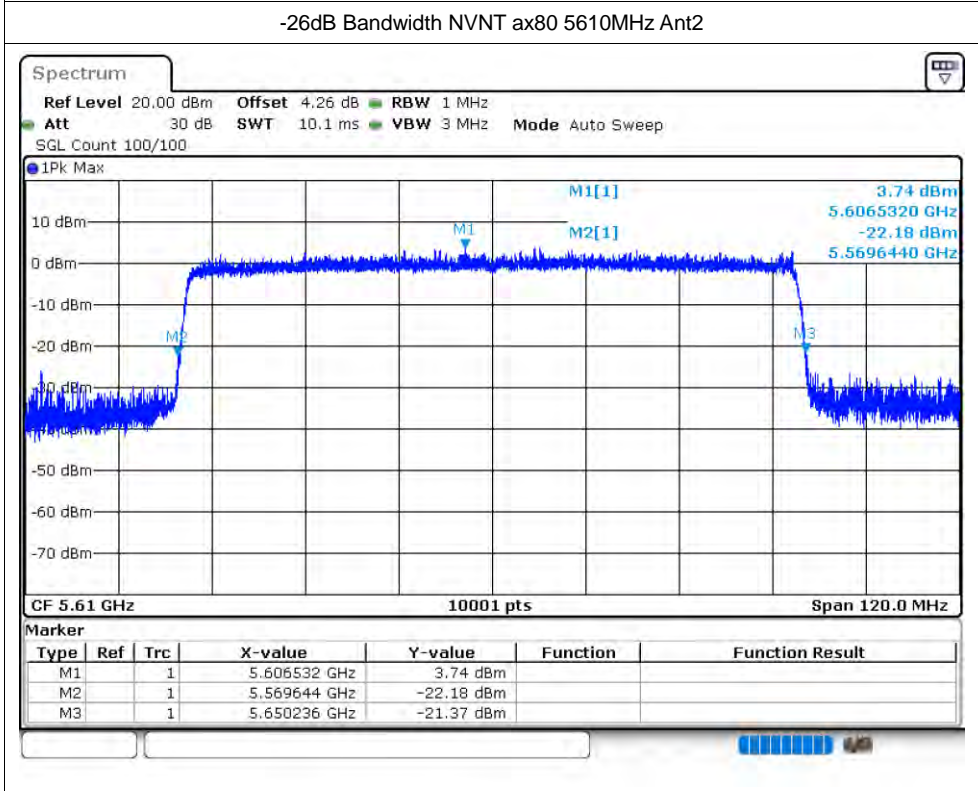
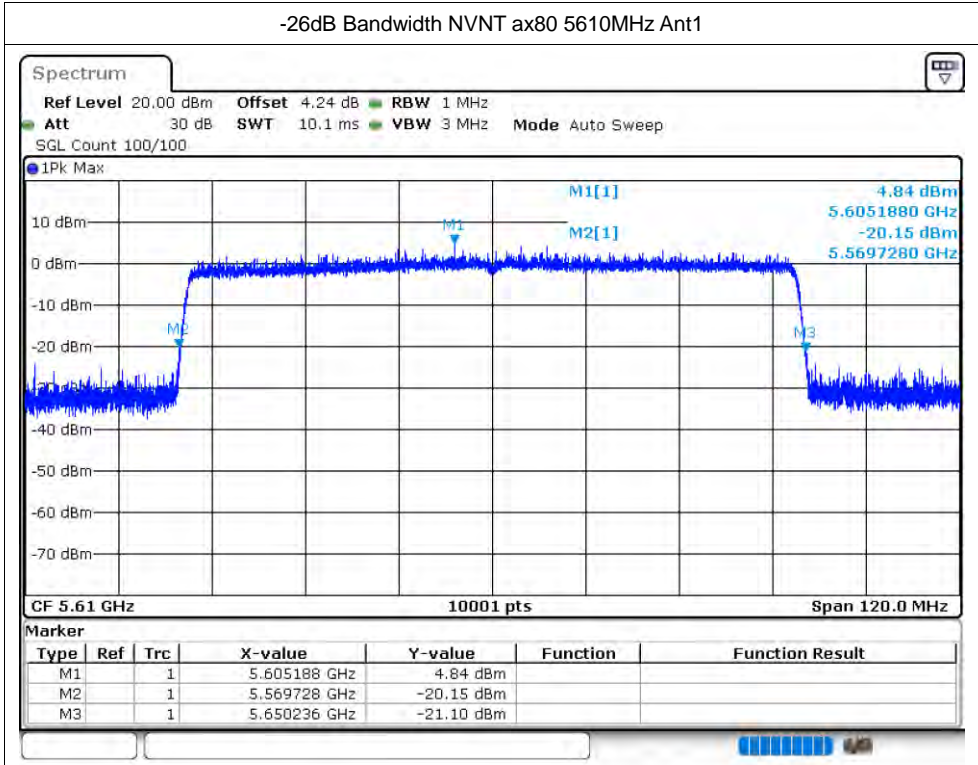


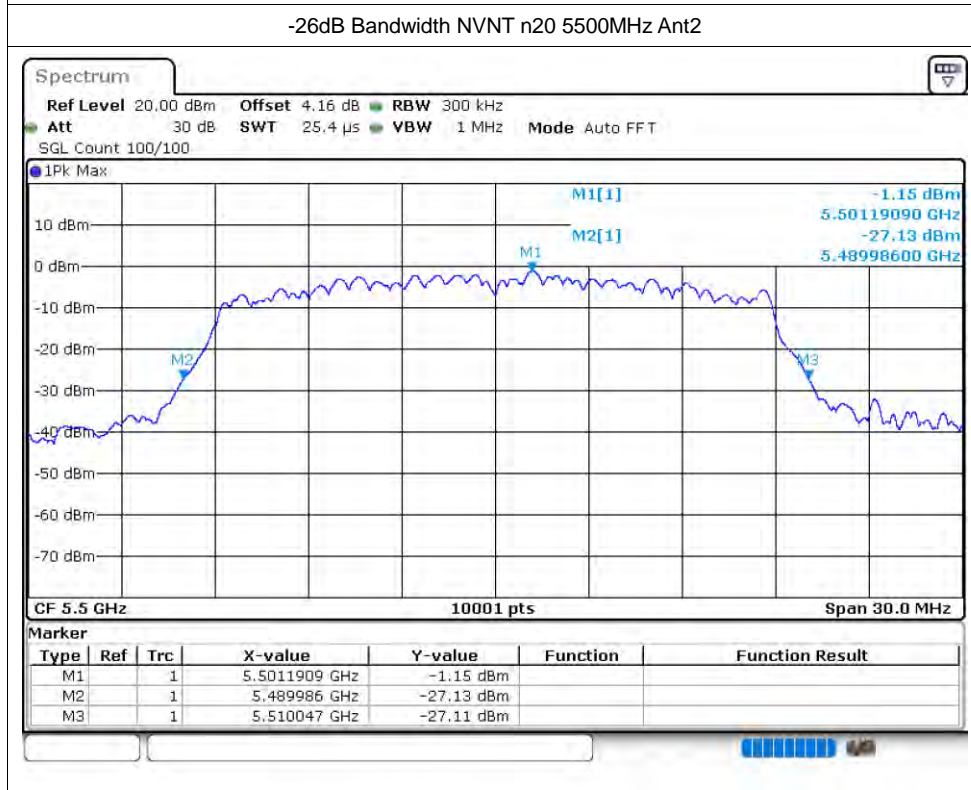
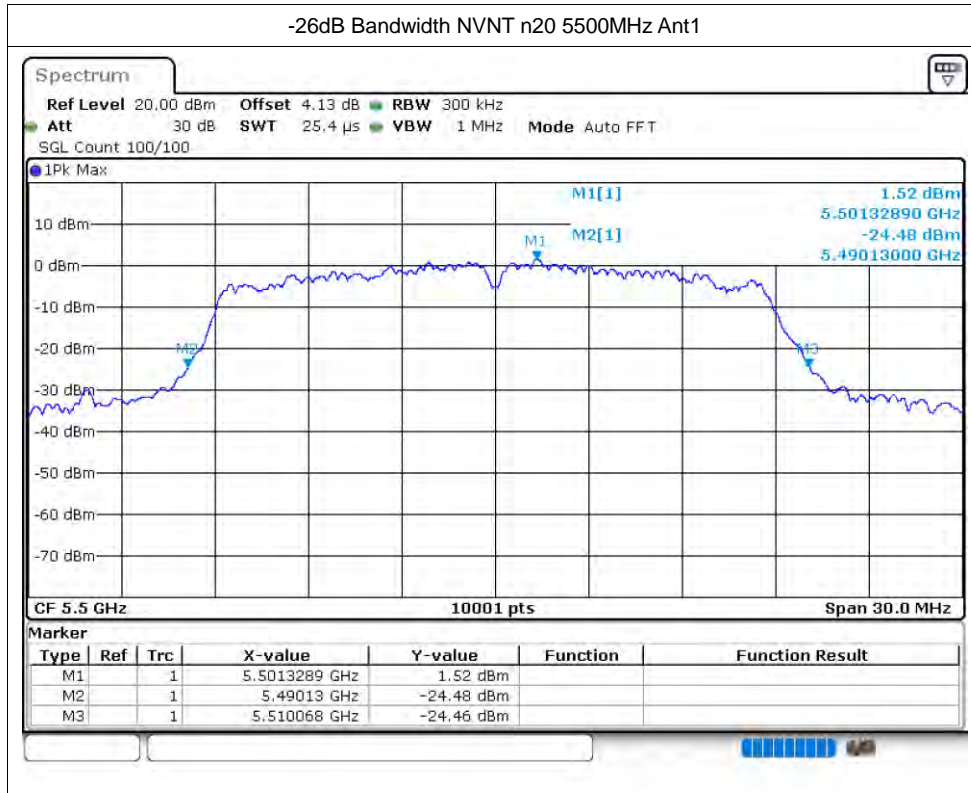


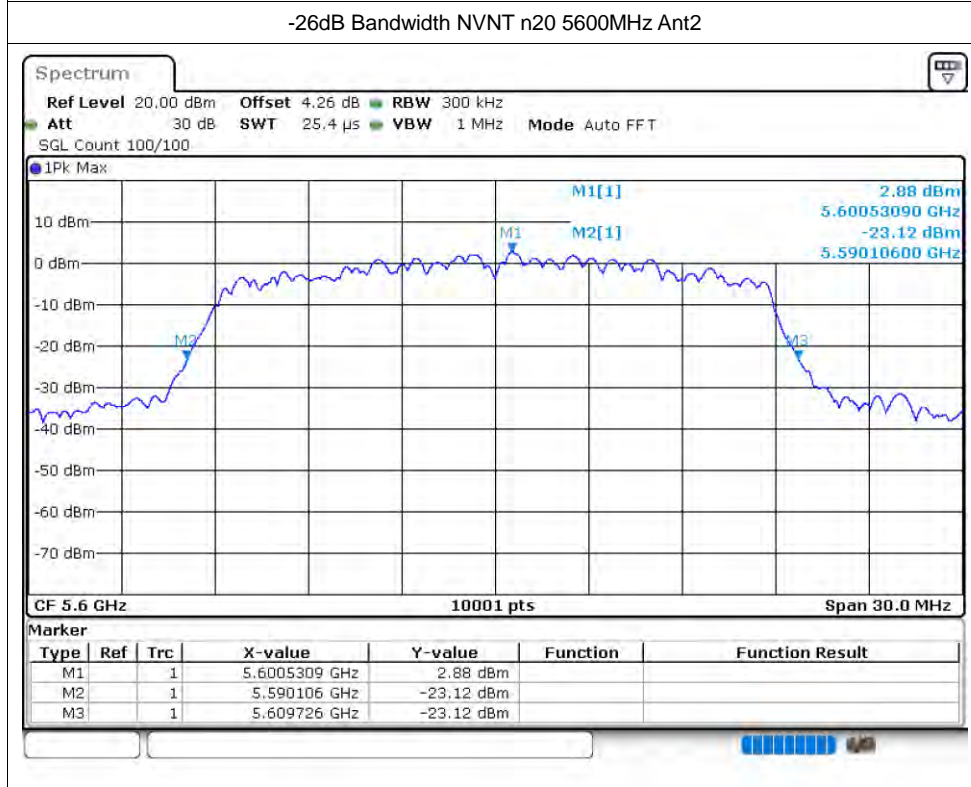
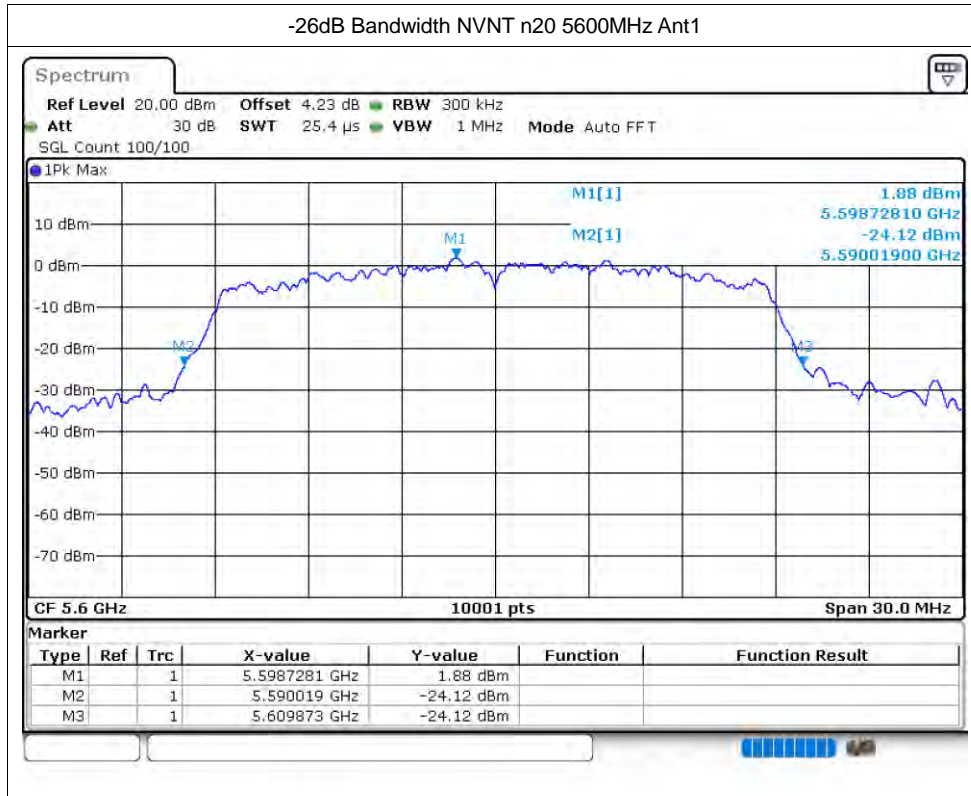


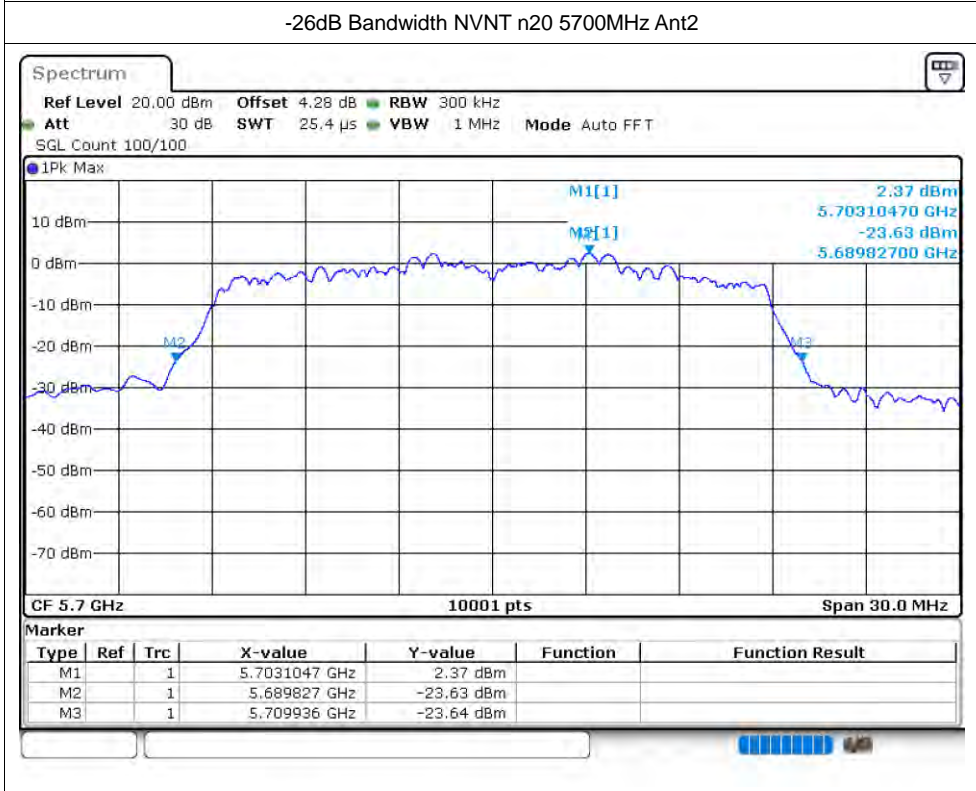
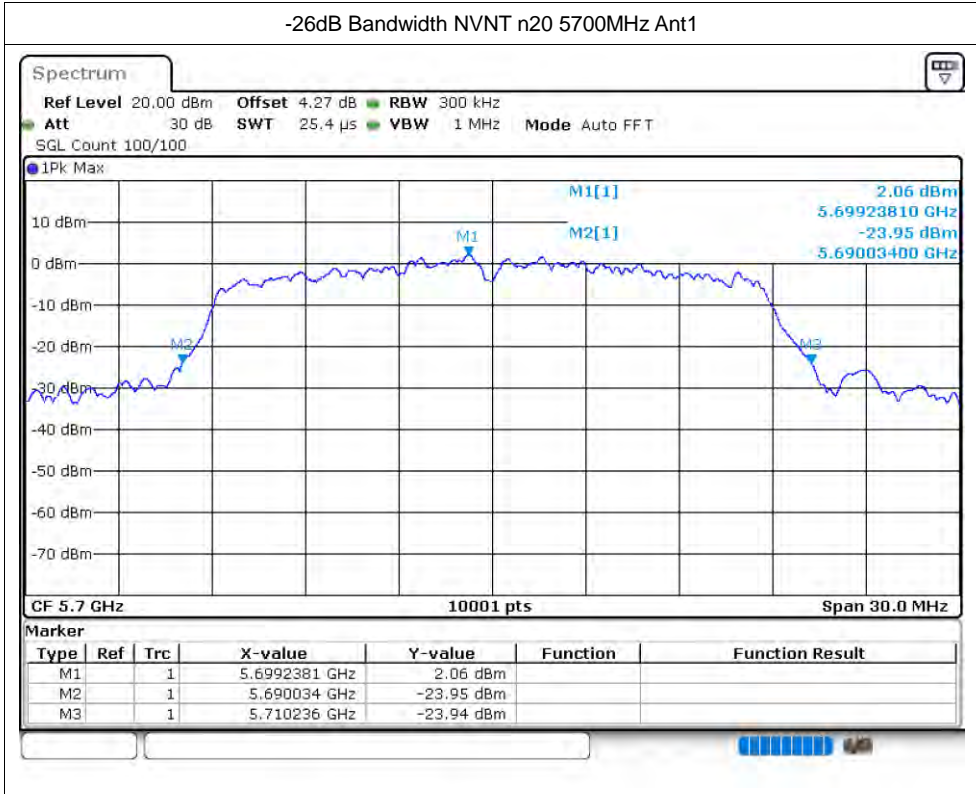


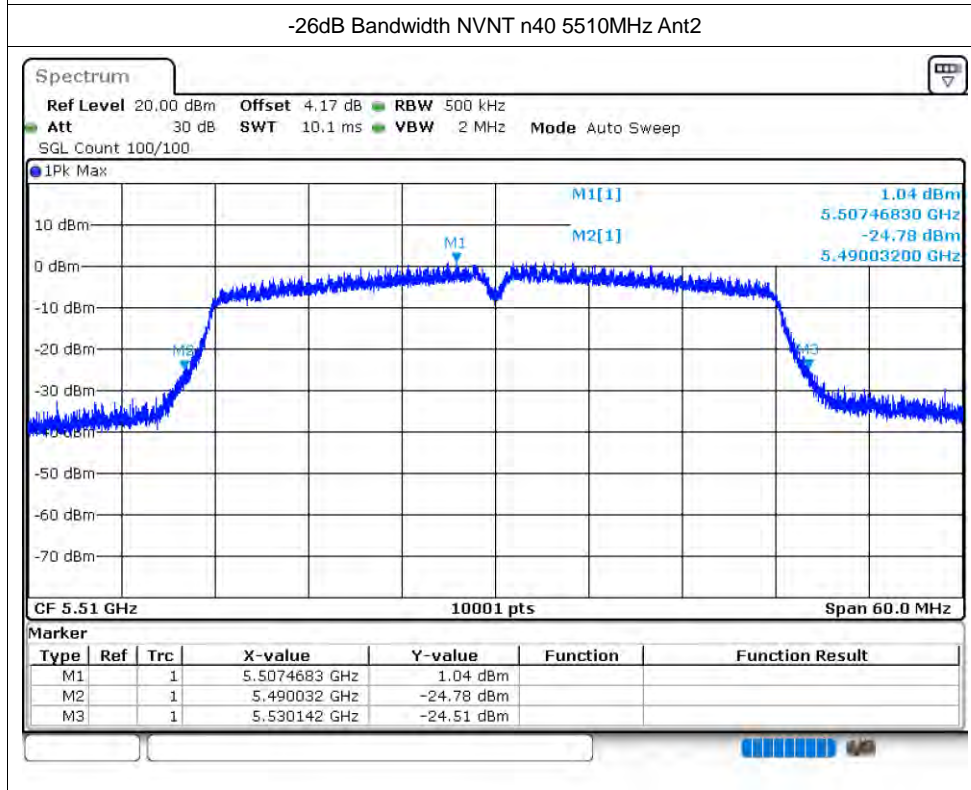
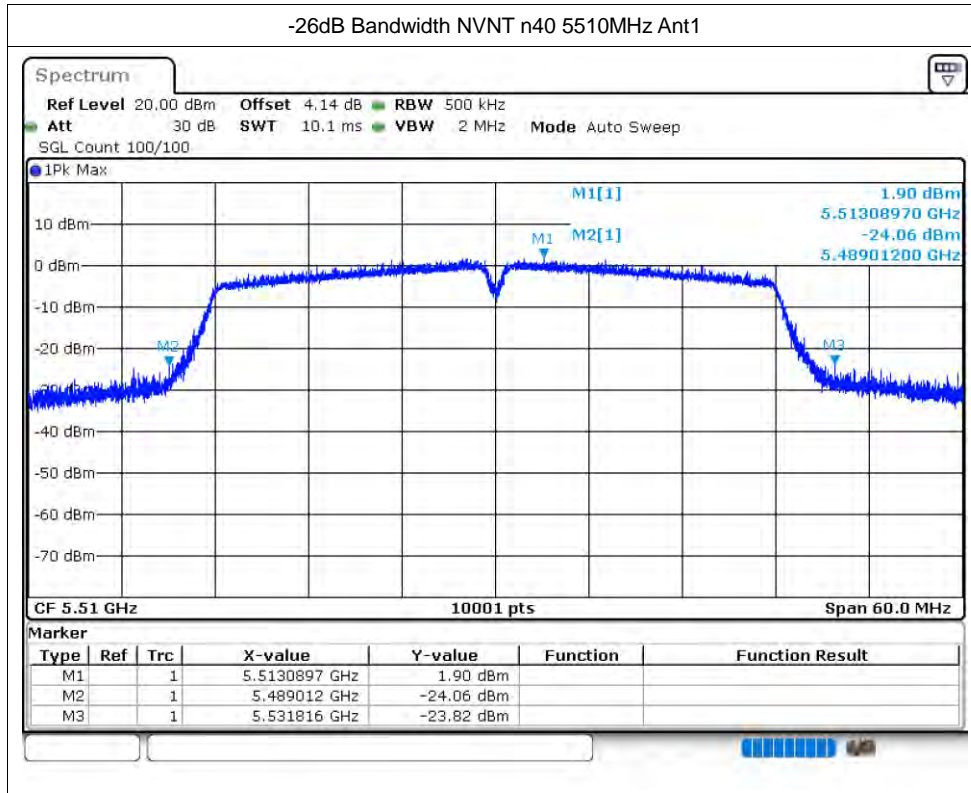


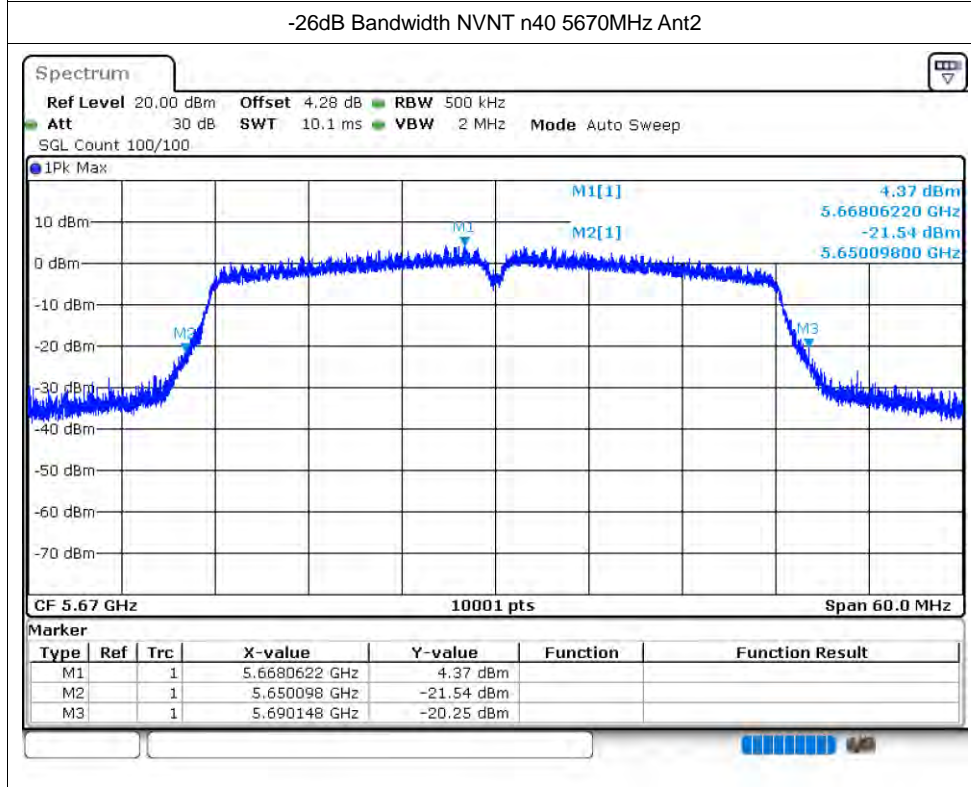
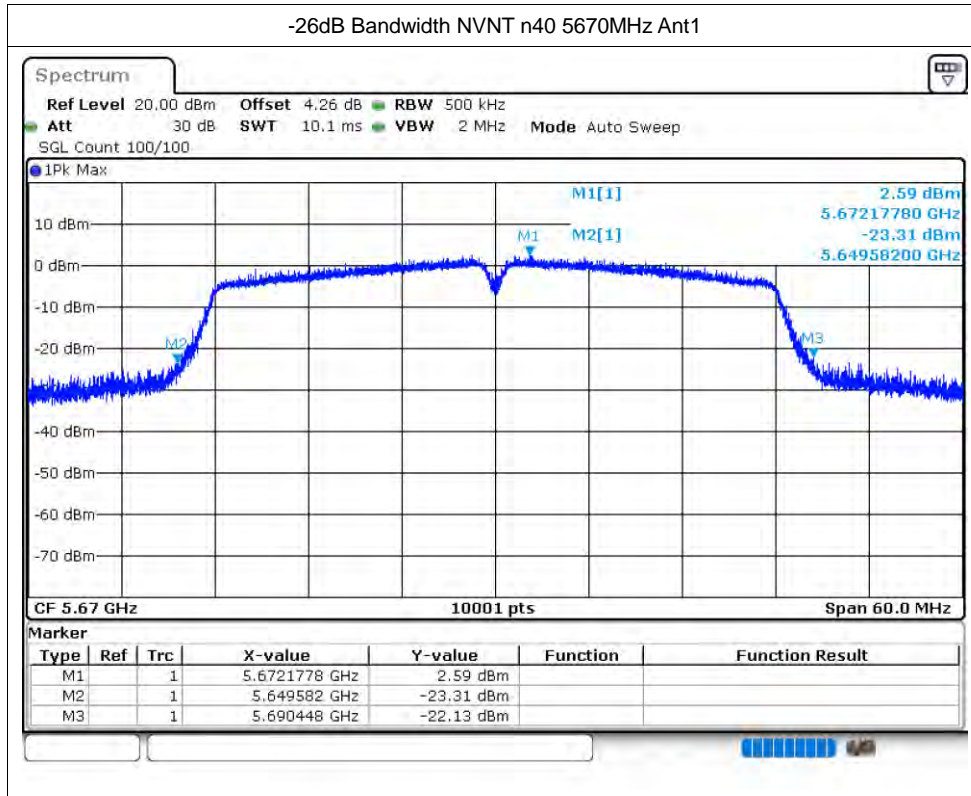












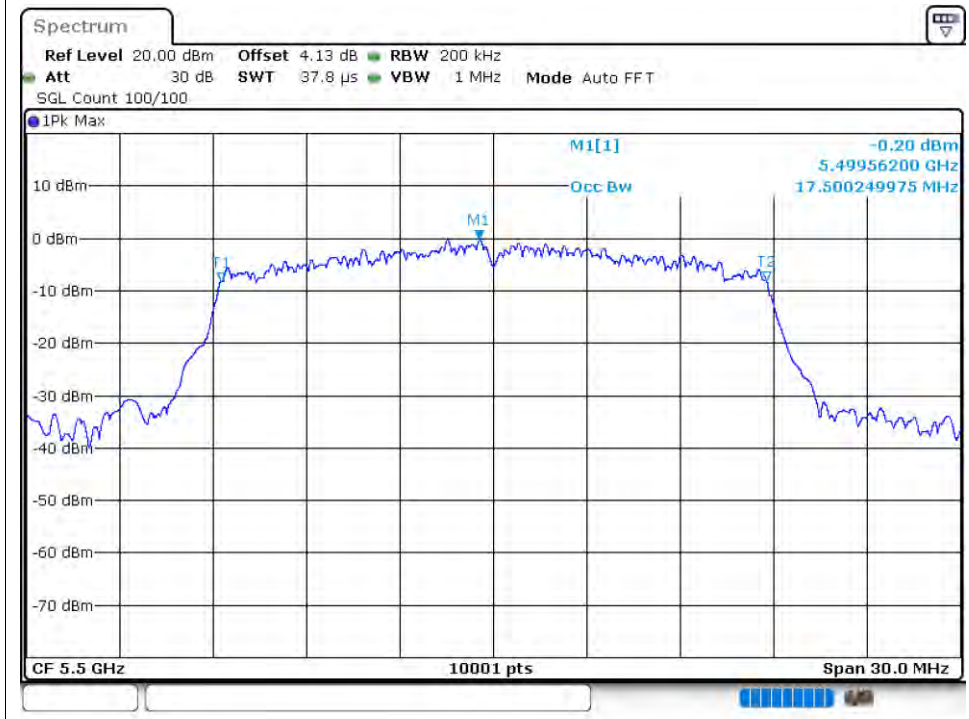
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5500	Ant1	17.5
NVNT	ac20	5500	Ant2	17.509
NVNT	ac20	5600	Ant1	17.401
NVNT	ac20	5600	Ant2	17.515
NVNT	ac20	5700	Ant1	17.479
NVNT	ac20	5700	Ant2	17.518
NVNT	ac40	5510	Ant1	36.038
NVNT	ac40	5510	Ant2	35.954
NVNT	ac40	5590	Ant1	35.972
NVNT	ac40	5590	Ant2	35.87
NVNT	ac40	5670	Ant1	36.002
NVNT	ac40	5670	Ant2	35.912
NVNT	ac80	5530	Ant1	75.58
NVNT	ac80	5530	Ant2	75.484
NVNT	ac80	5610	Ant1	75.604
NVNT	ac80	5610	Ant2	75.544
NVNT	ax20	5500	Ant1	18.766
NVNT	ax20	5500	Ant2	18.736
NVNT	ax20	5600	Ant1	18.745
NVNT	ax20	5600	Ant2	18.787
NVNT	ax20	5700	Ant1	18.724
NVNT	ax20	5700	Ant2	18.775
NVNT	ax40	5510	Ant1	37.544
NVNT	ax40	5510	Ant2	37.532
NVNT	ax40	5590	Ant1	37.508
NVNT	ax40	5590	Ant2	37.478
NVNT	ax40	5670	Ant1	37.46
NVNT	ax40	5670	Ant2	37.532
NVNT	ax80	5530	Ant1	77.188
NVNT	ax80	5530	Ant2	77.212
NVNT	ax80	5610	Ant1	77.188
NVNT	ax80	5610	Ant2	77.224
NVNT	n20	5500	Ant1	17.452
NVNT	n20	5500	Ant2	17.494
NVNT	n20	5600	Ant1	17.491
NVNT	n20	5600	Ant2	17.53
NVNT	n20	5700	Ant1	17.455
NVNT	n20	5700	Ant2	17.5
NVNT	n40	5510	Ant1	36.074
NVNT	n40	5510	Ant2	35.906
NVNT	n40	5590	Ant1	35.936

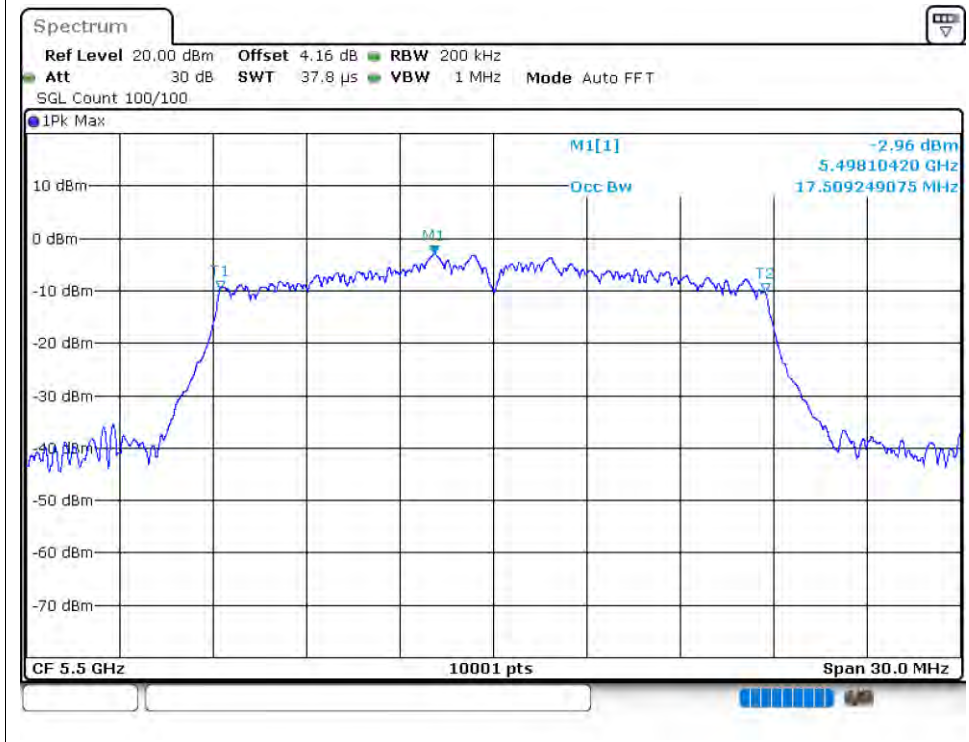
NVNT	n40	5590	Ant2	35.84
NVNT	n40	5670	Ant1	35.972
NVNT	n40	5670	Ant2	35.954

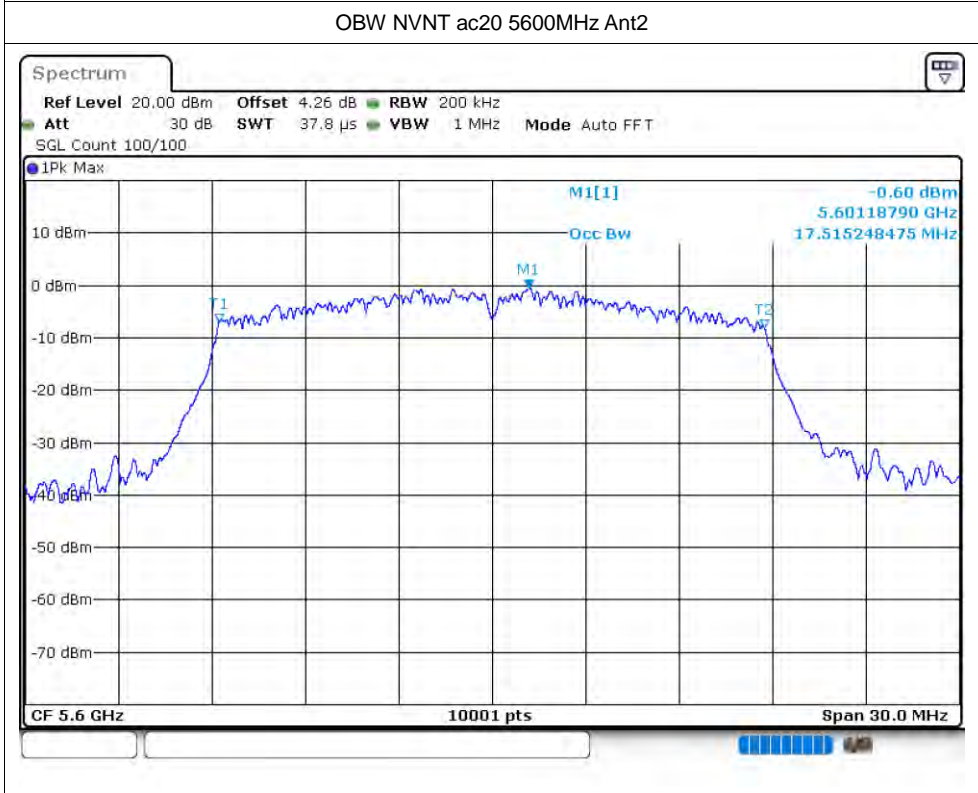
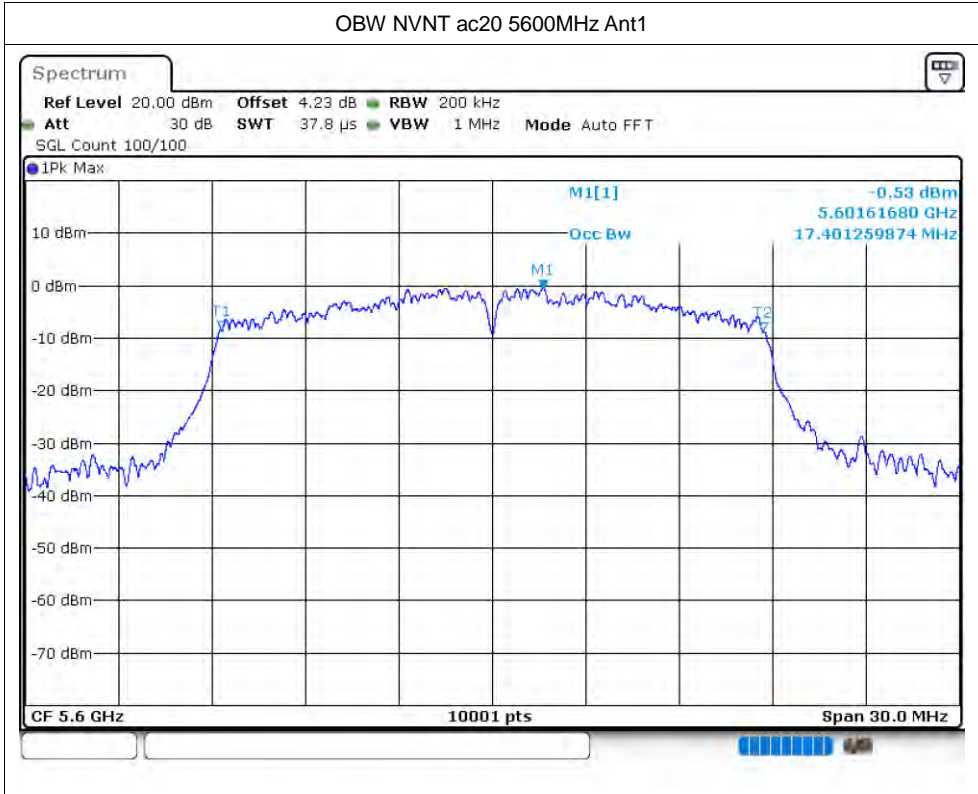
Test Graphs

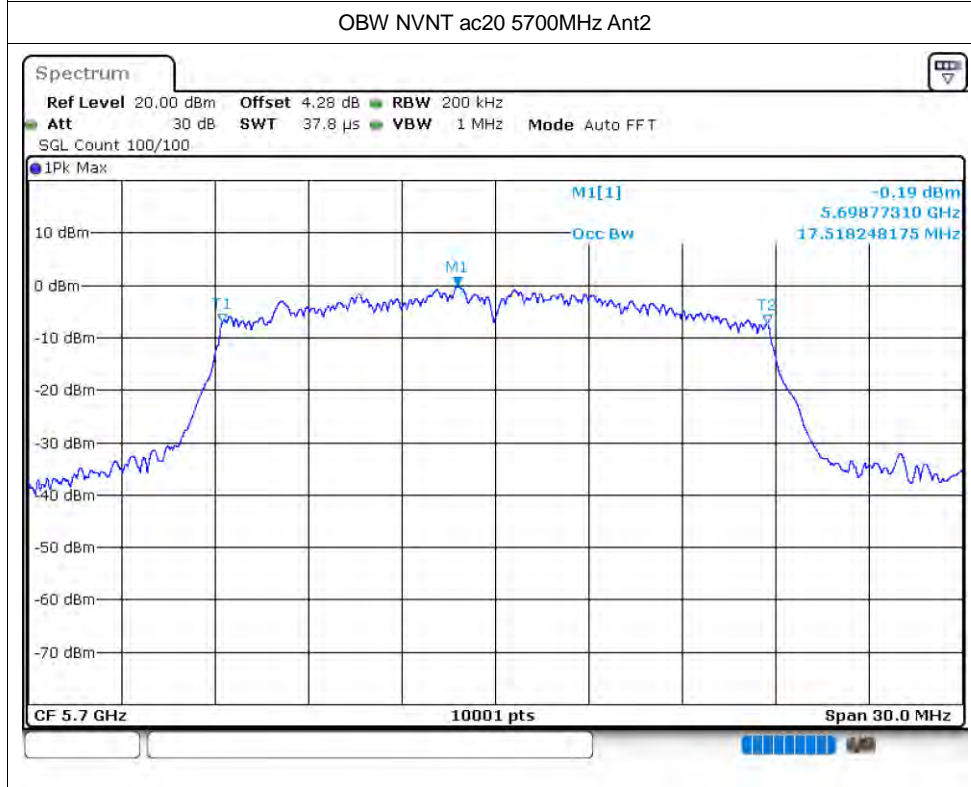
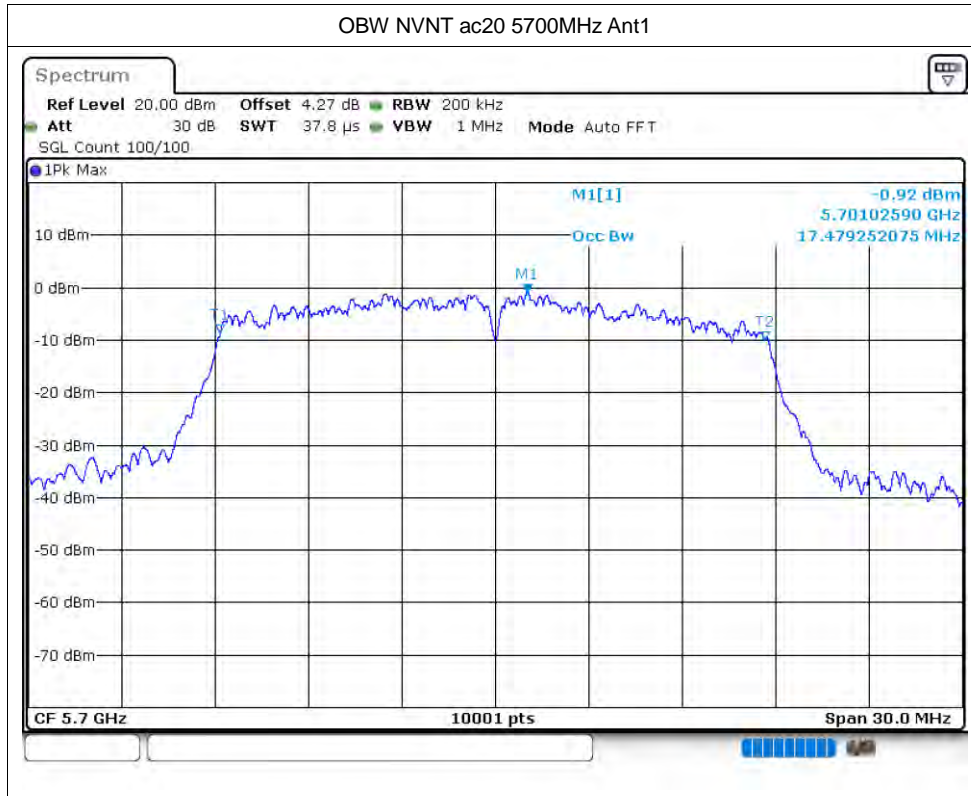
OBW NVNT ac20 5500MHz Ant1

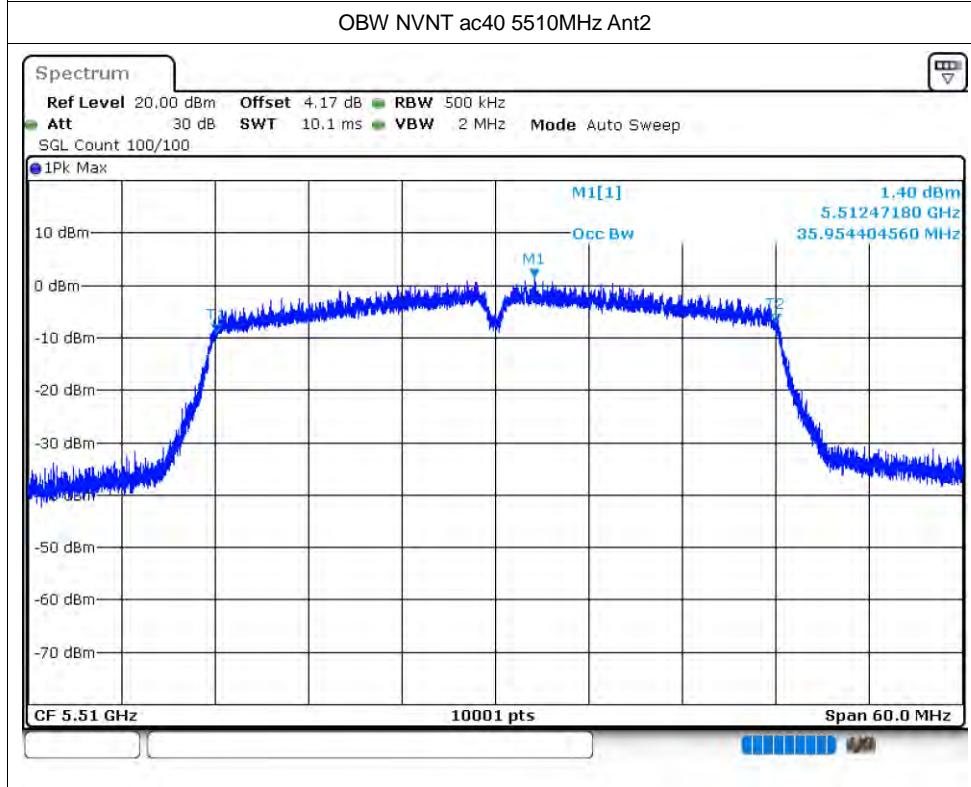
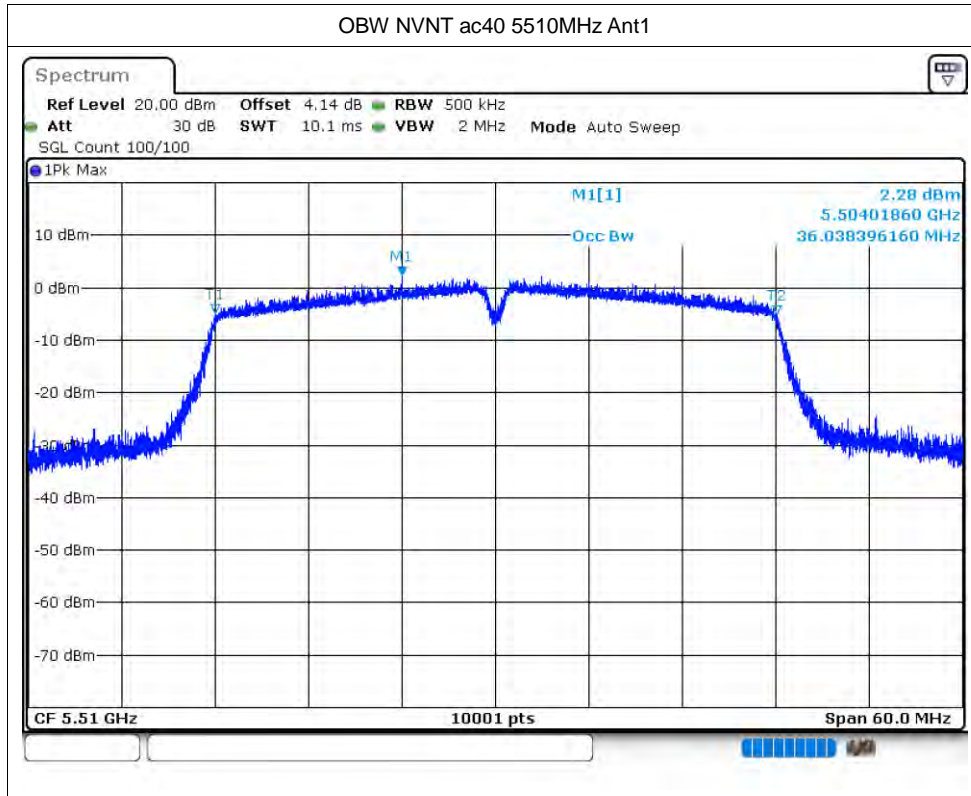


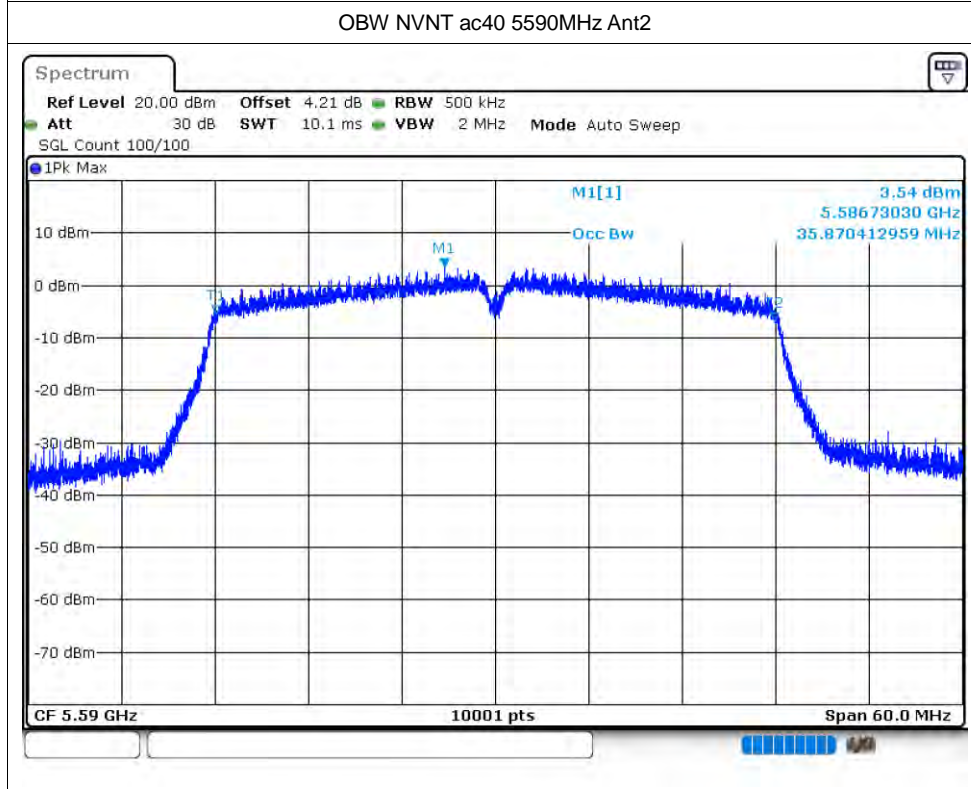
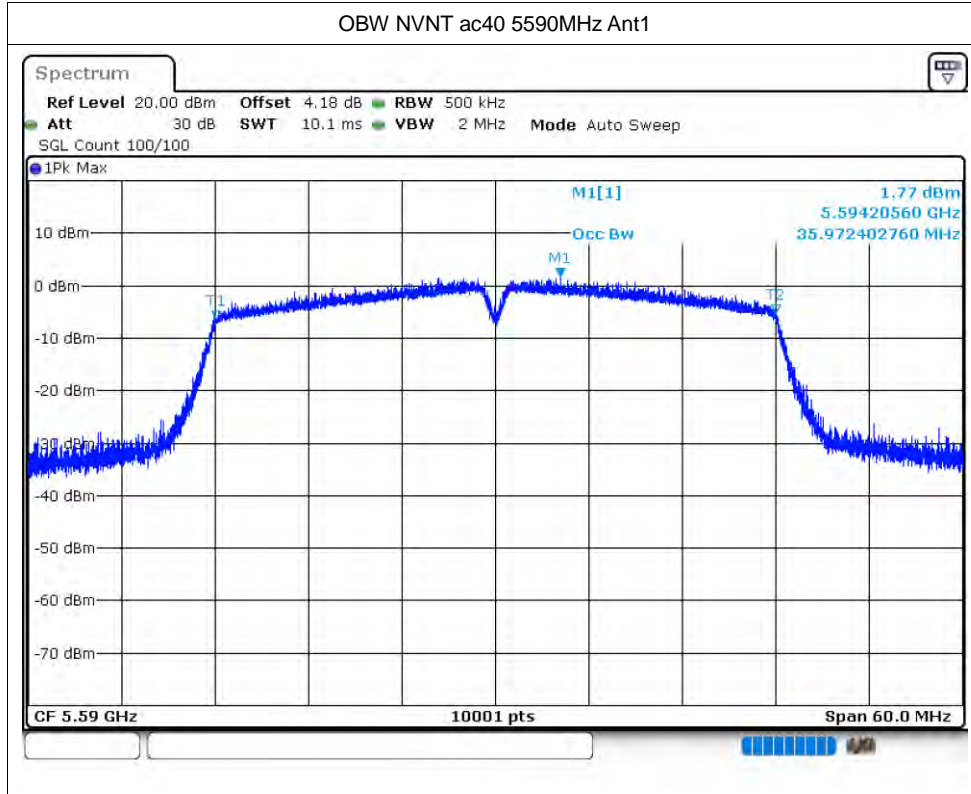
OBW NVNT ac20 5500MHz Ant2

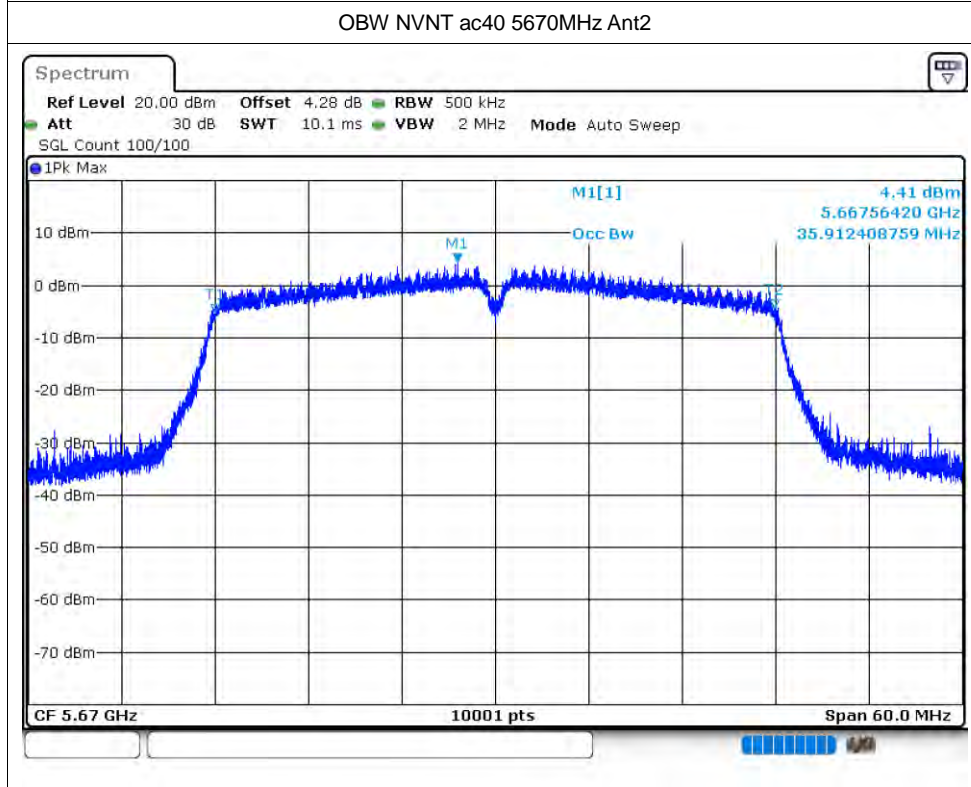
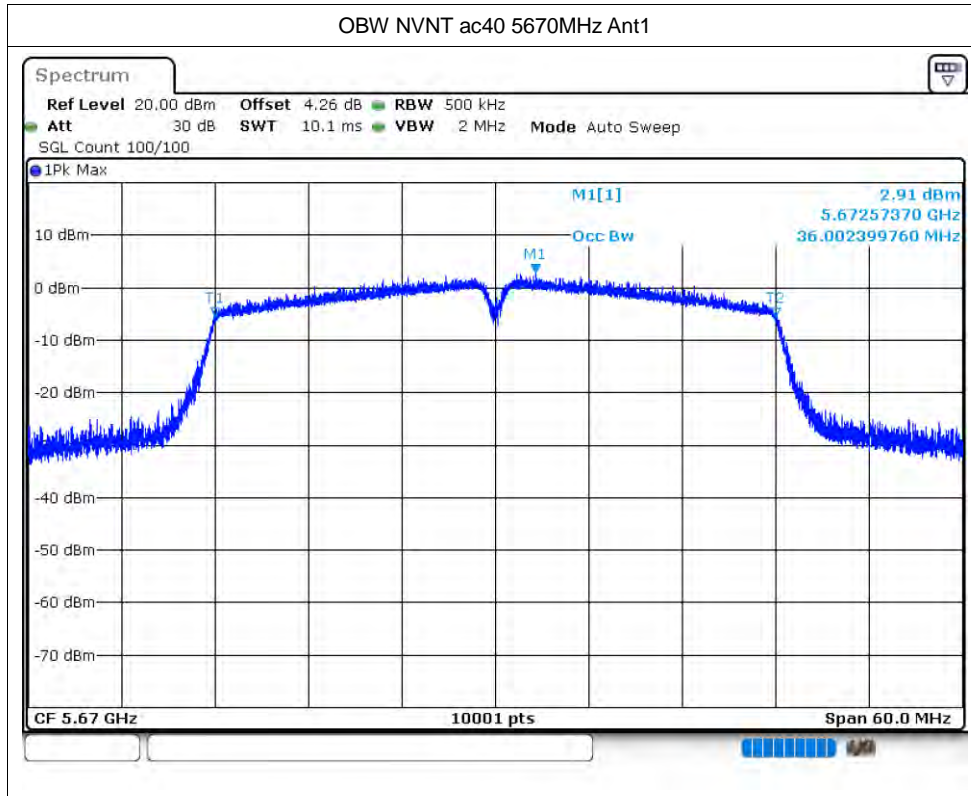


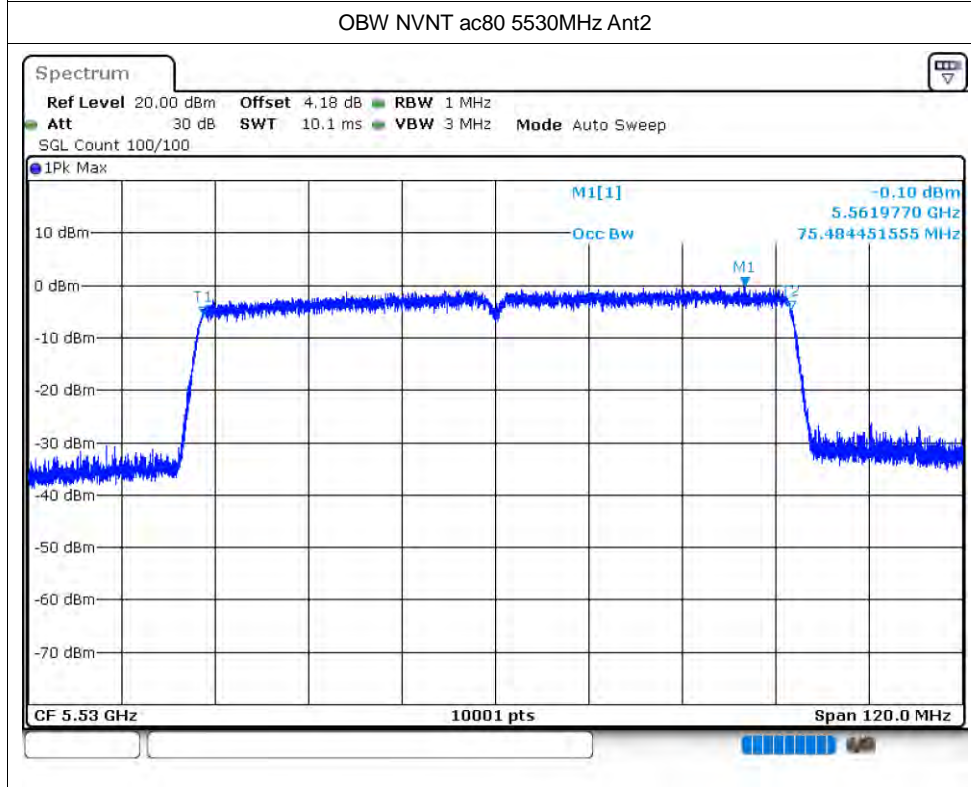
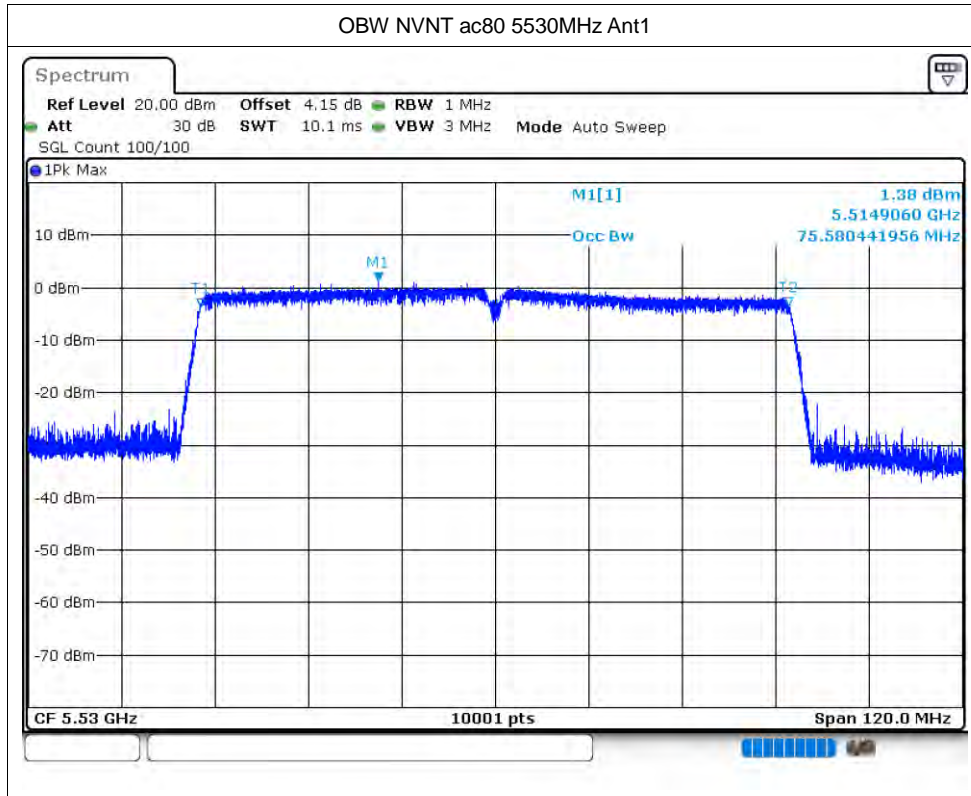


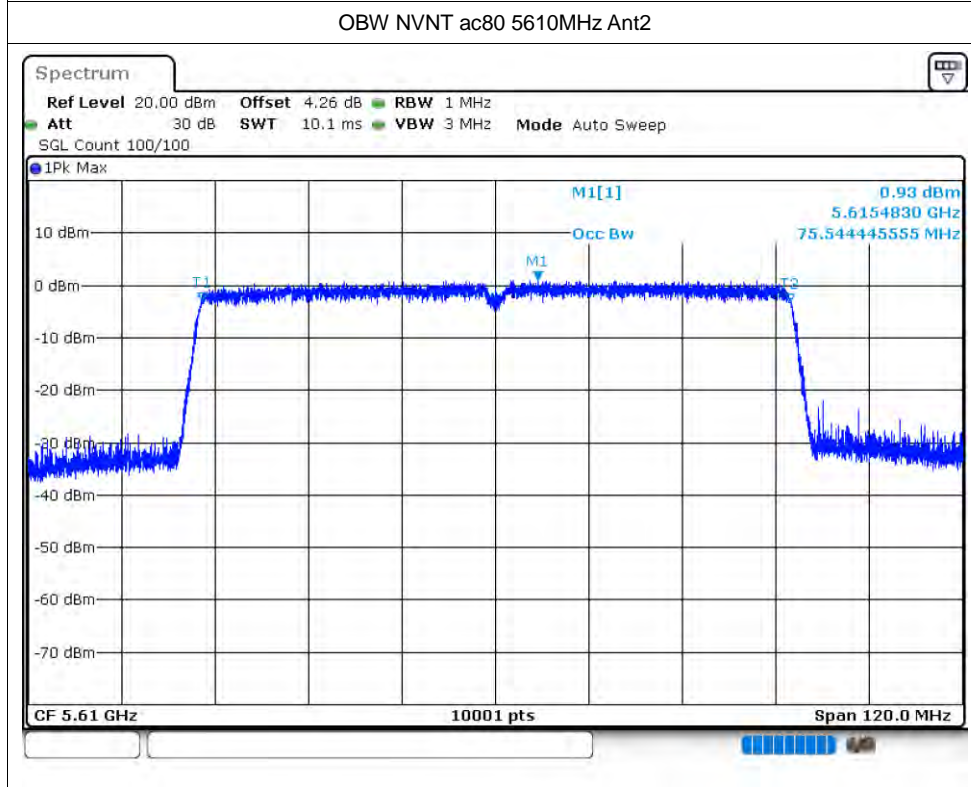
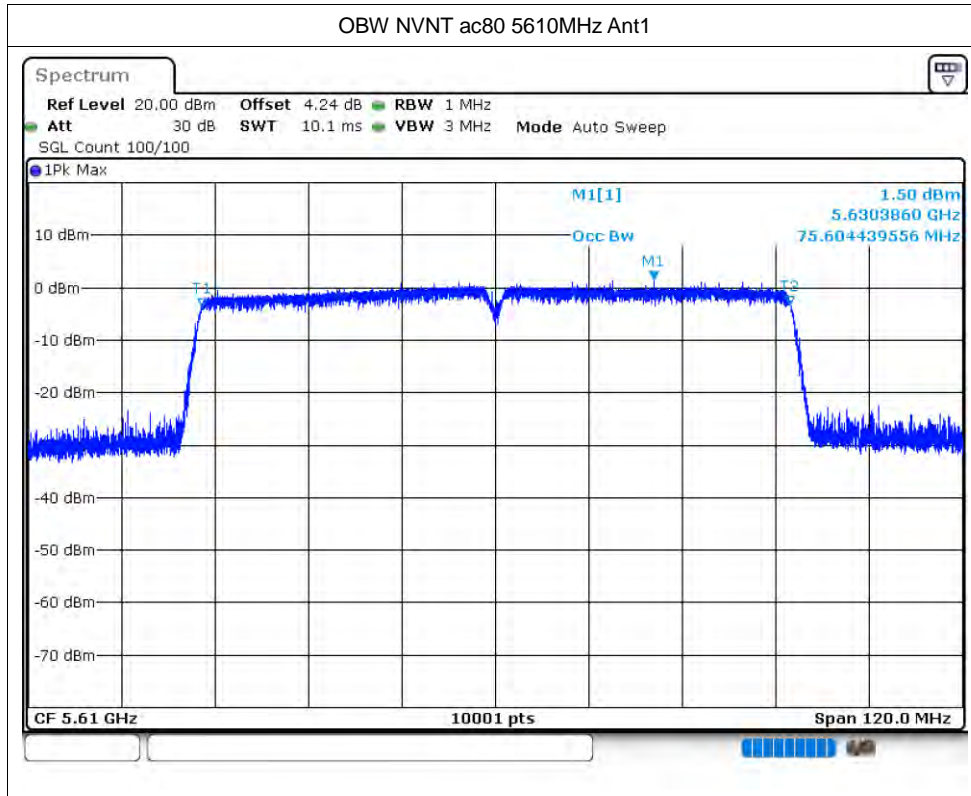


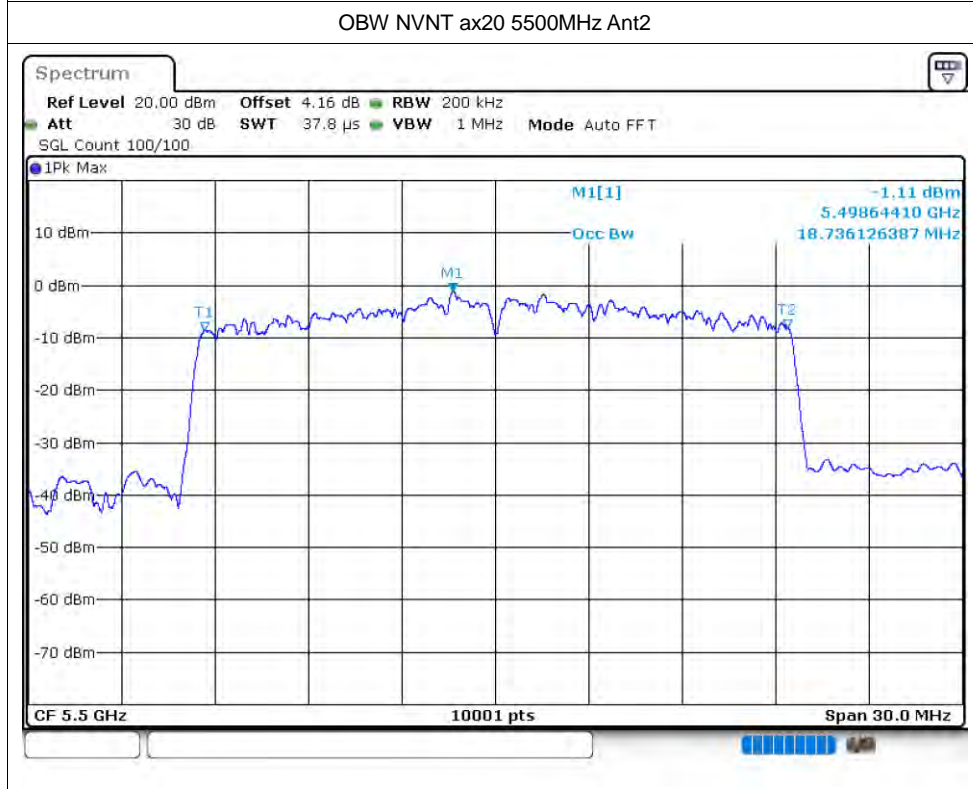
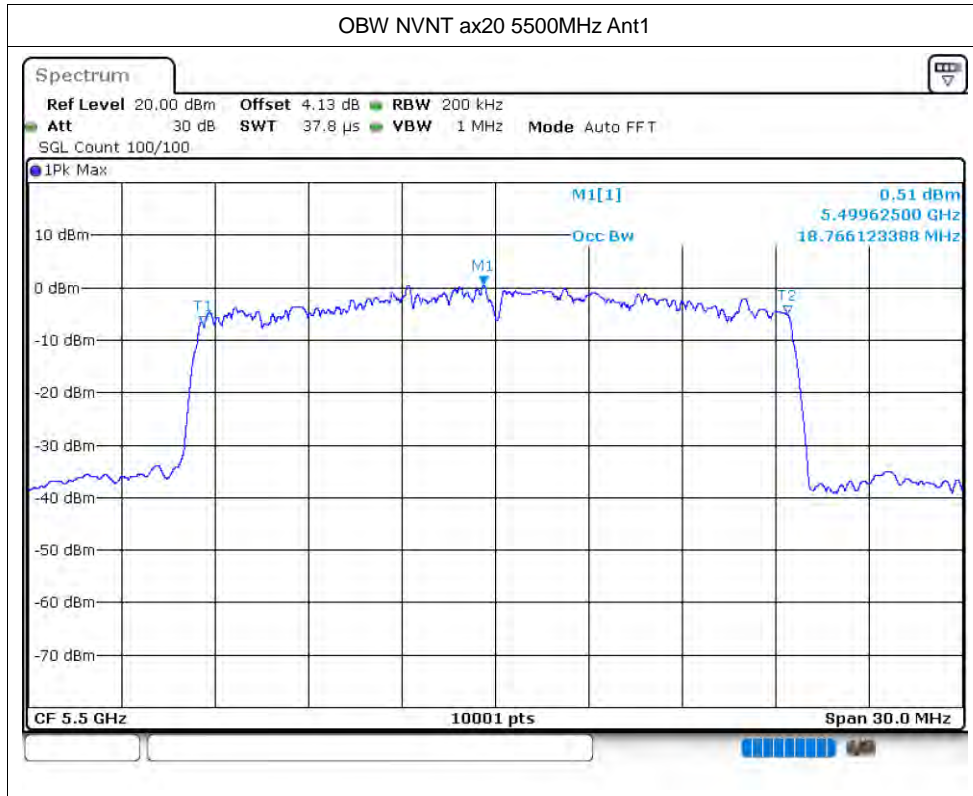


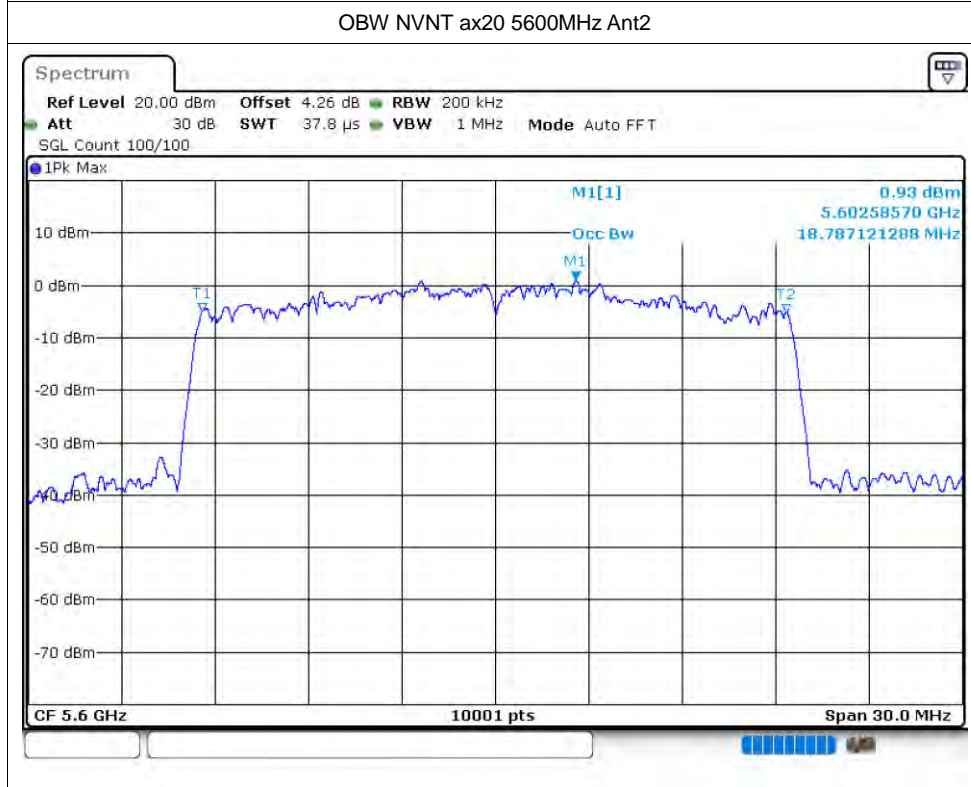
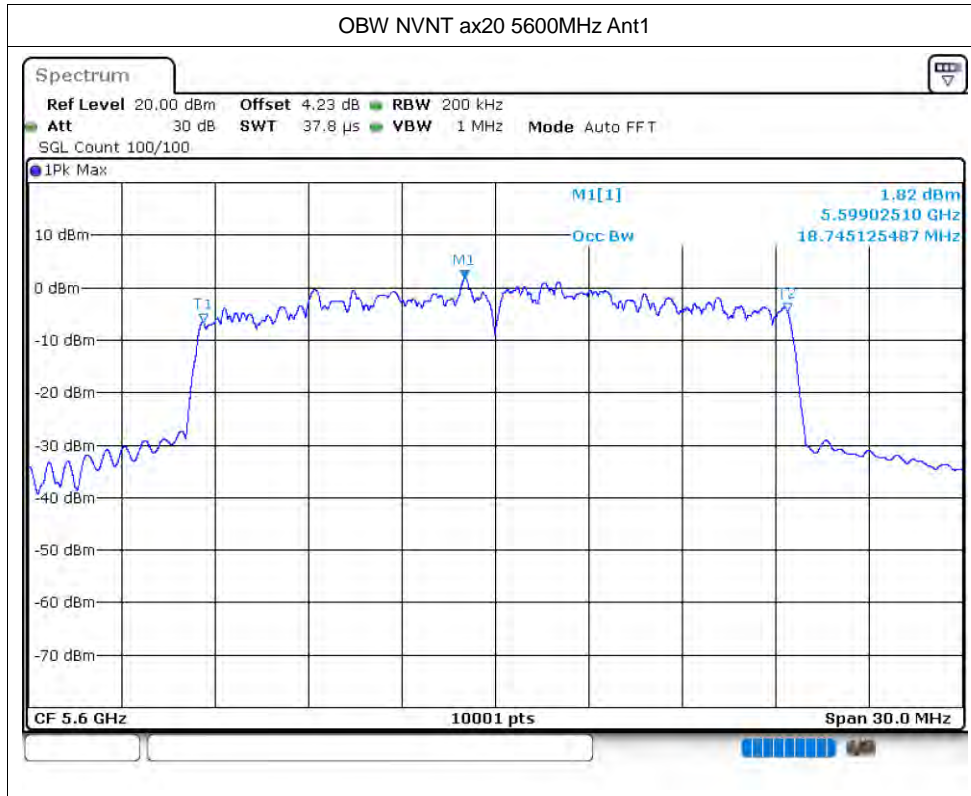


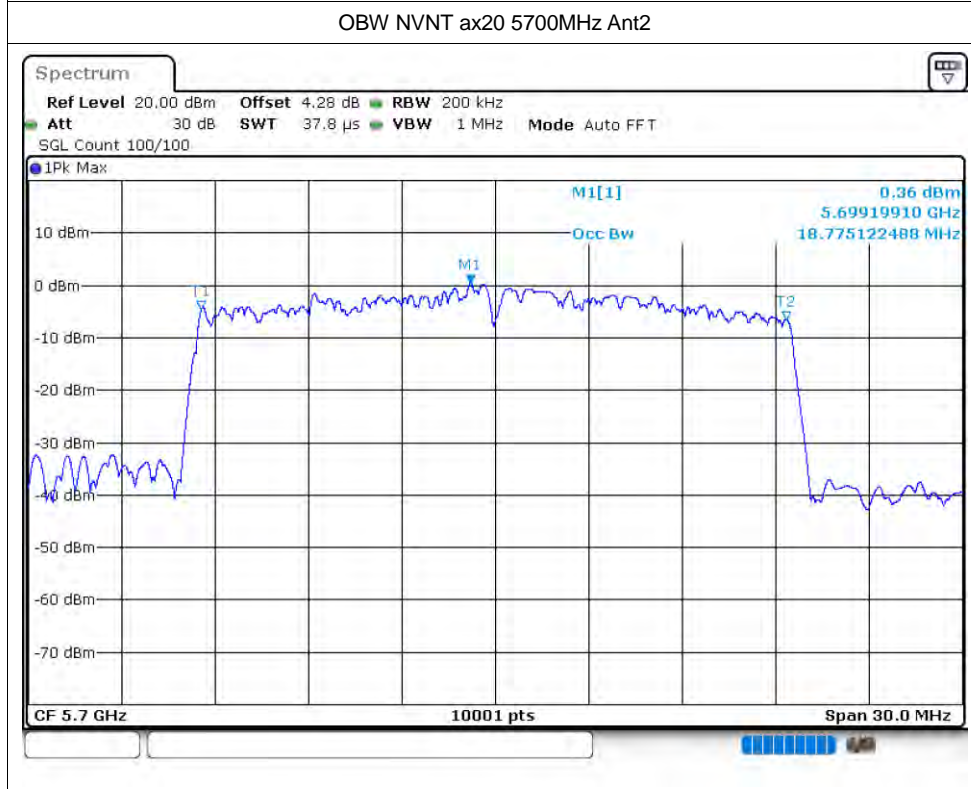
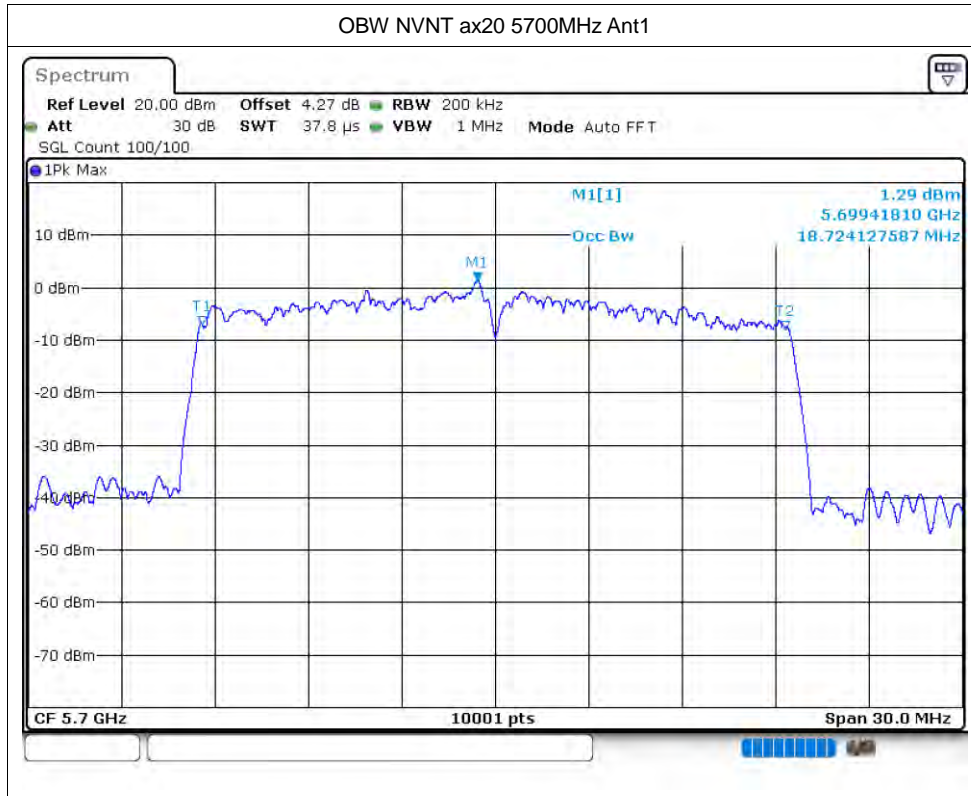


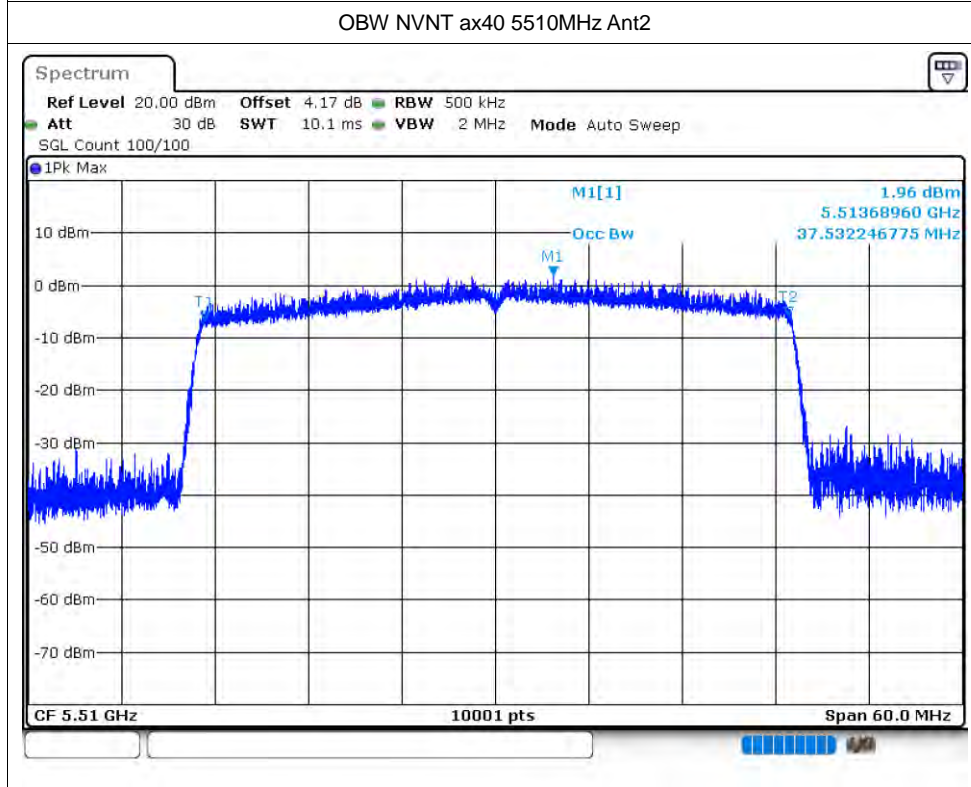
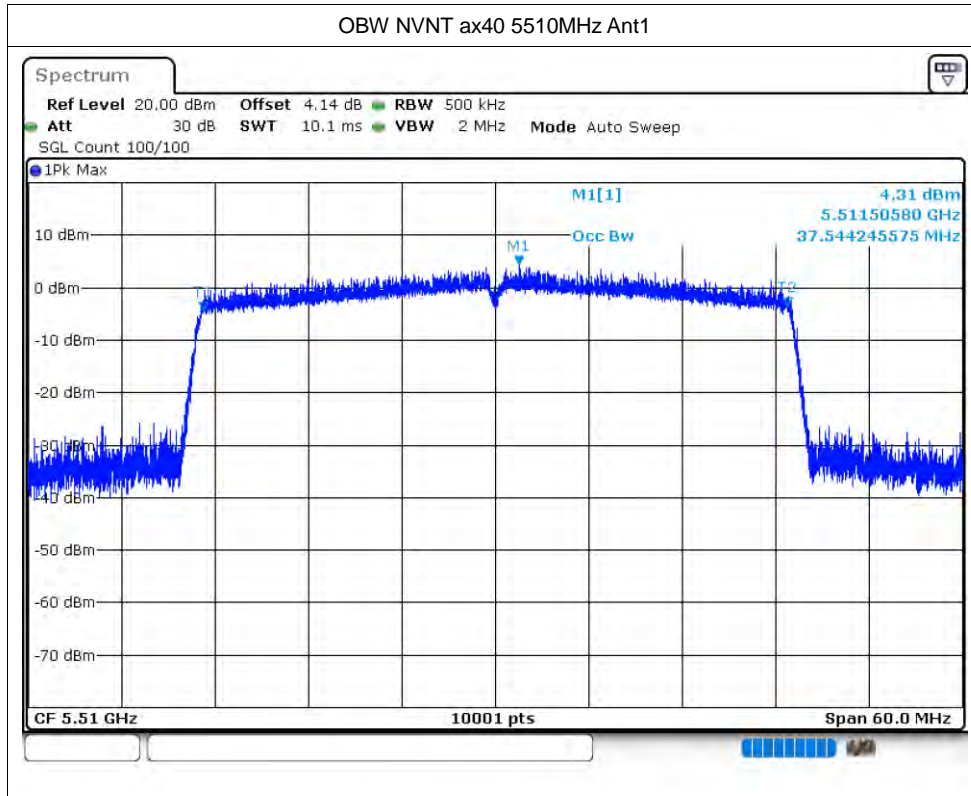


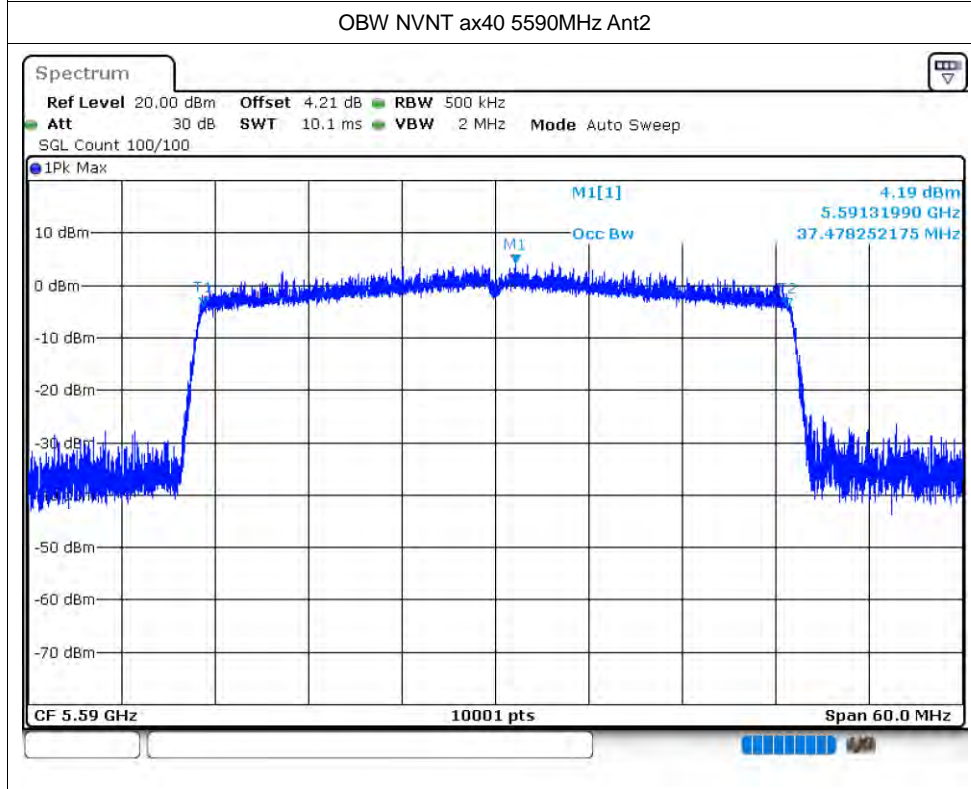
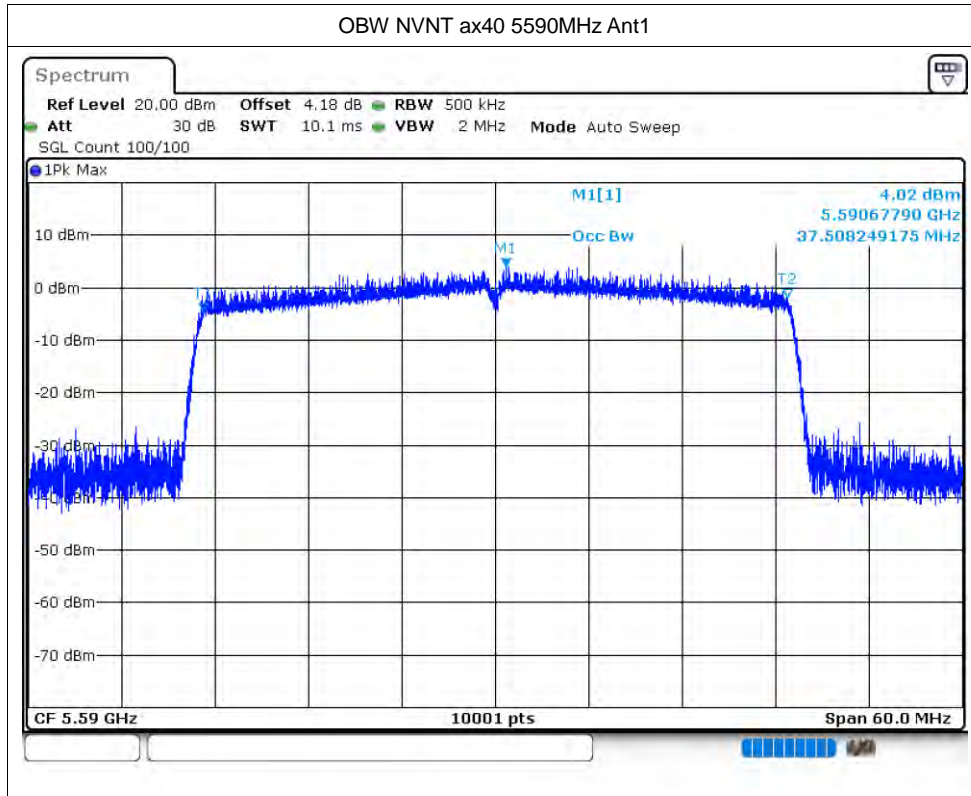


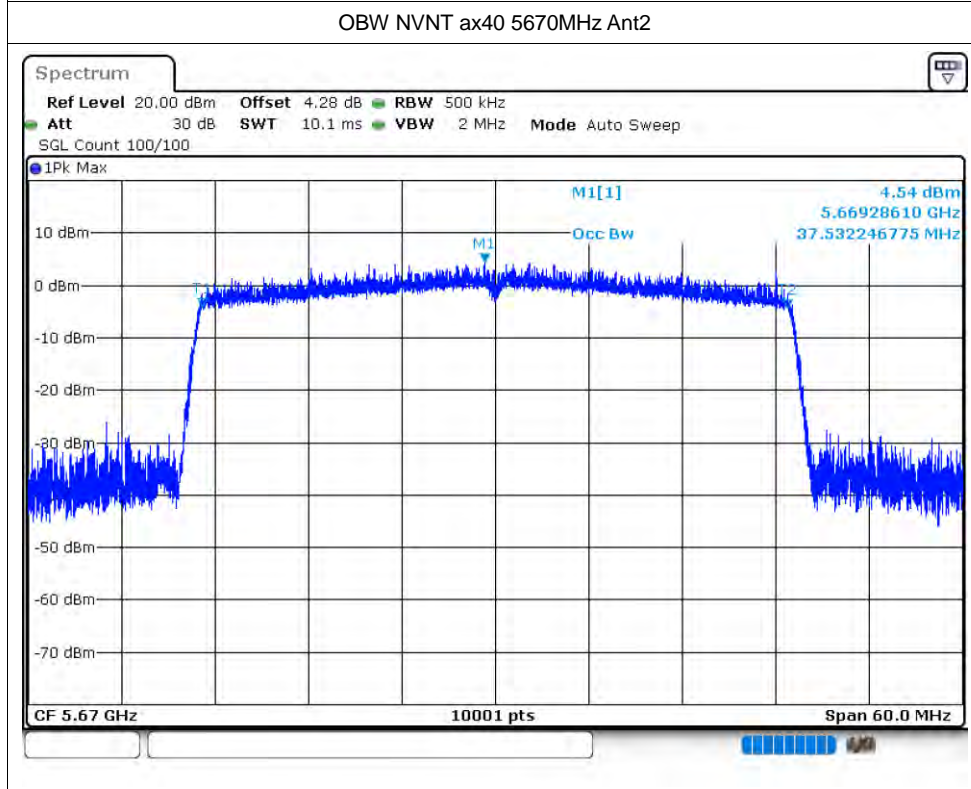
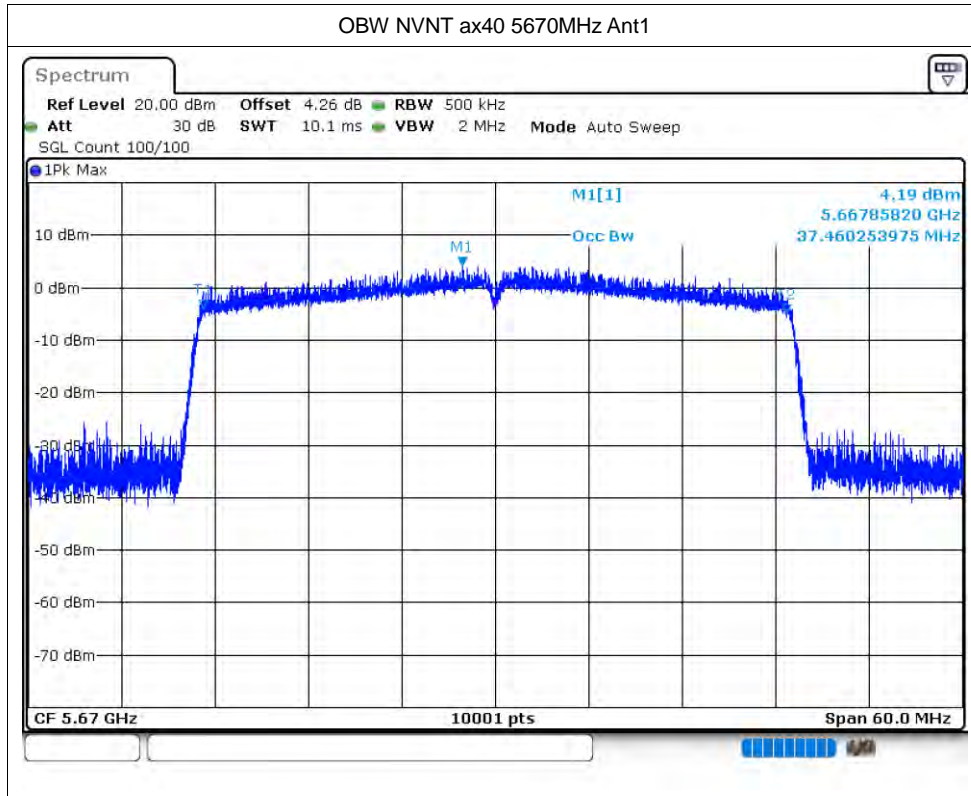


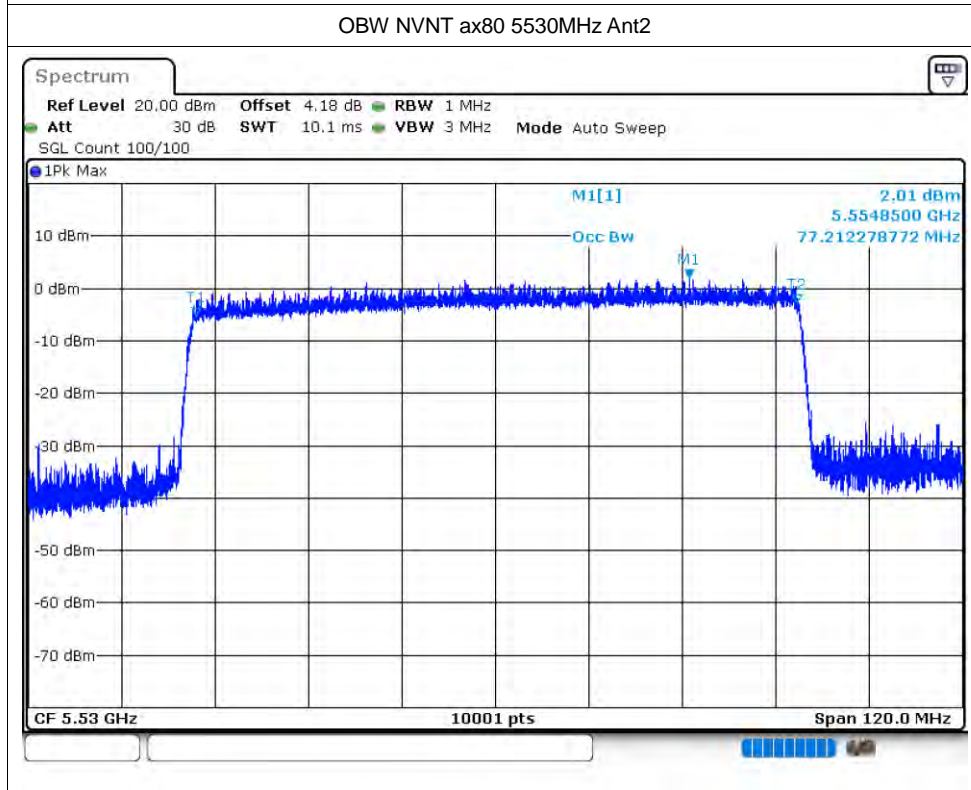
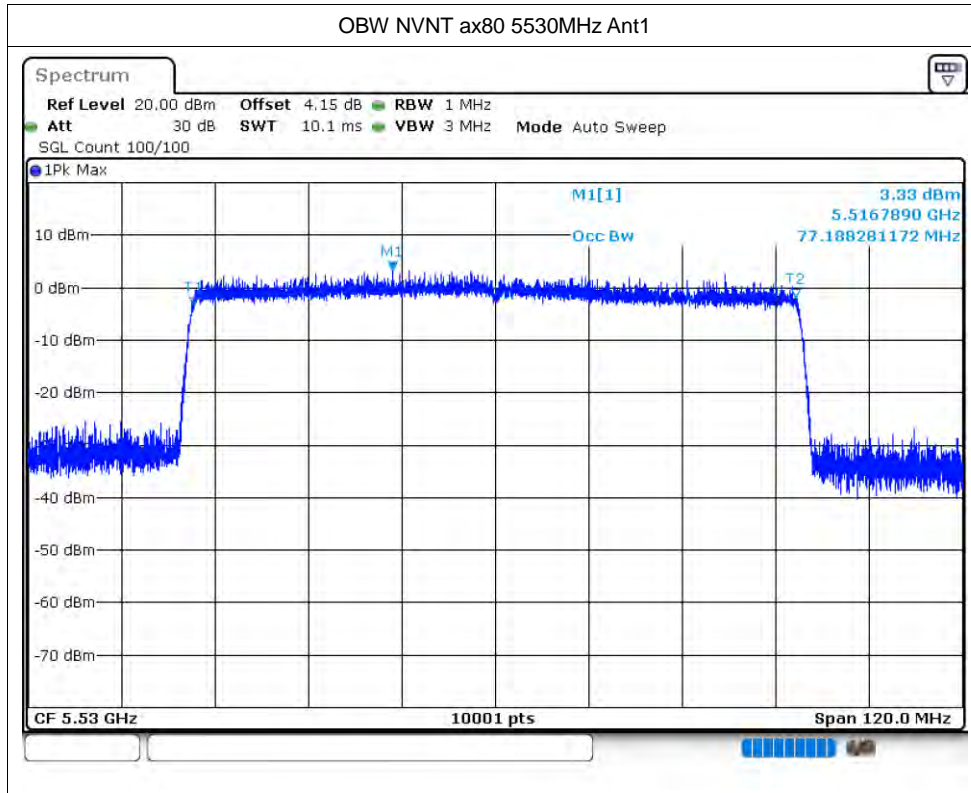


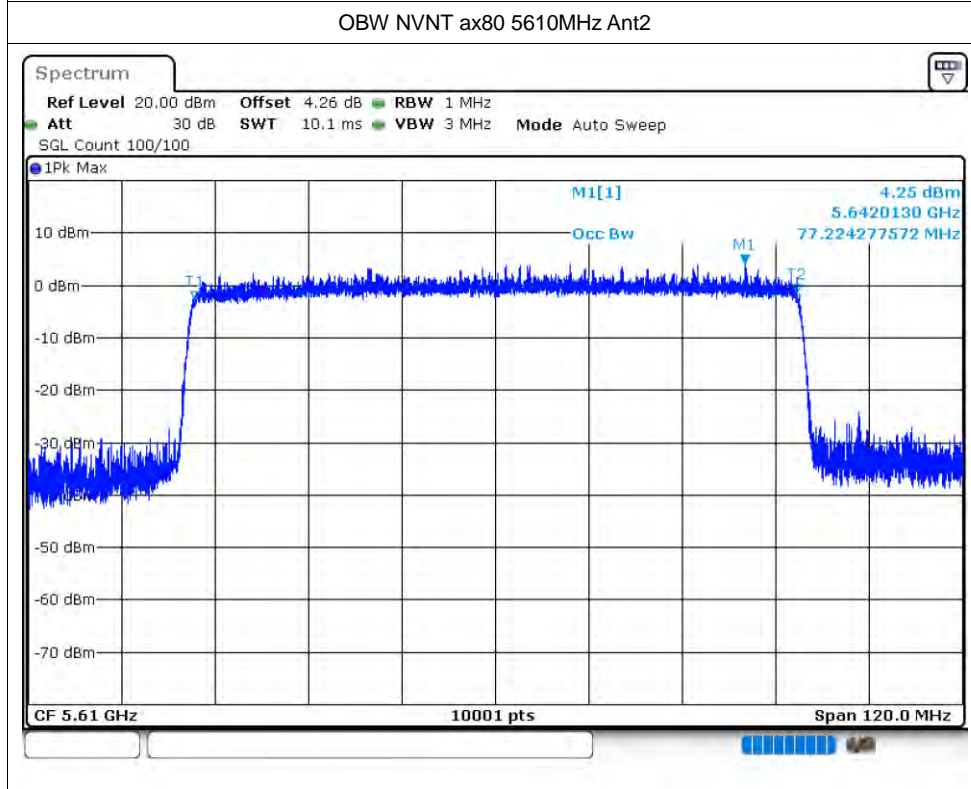
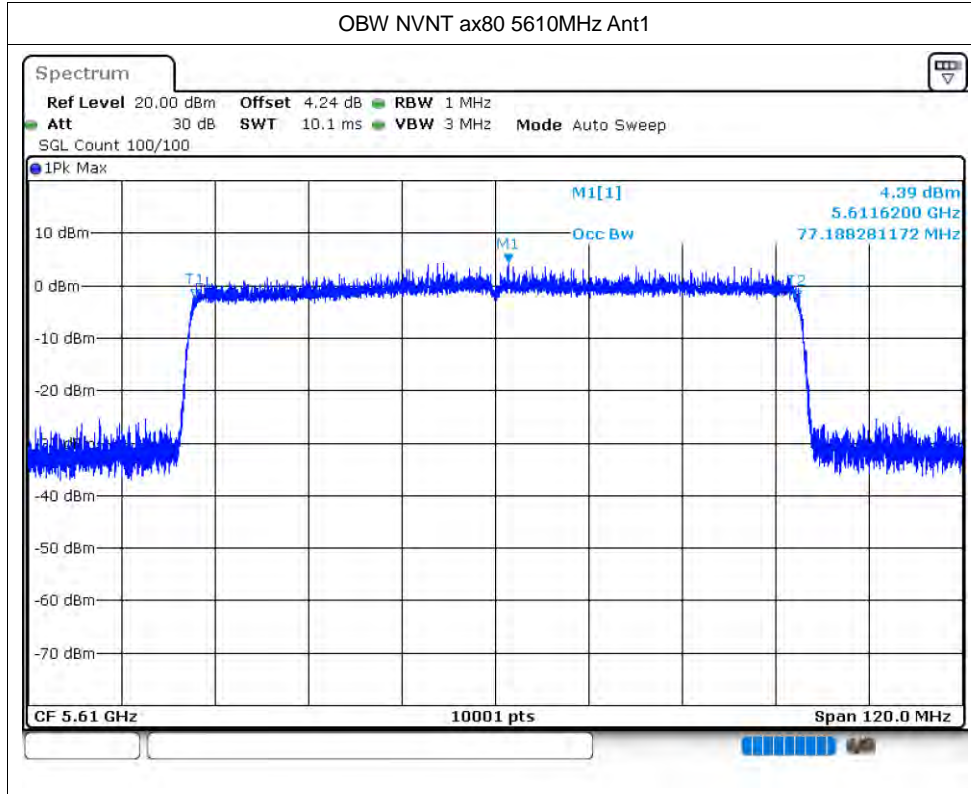


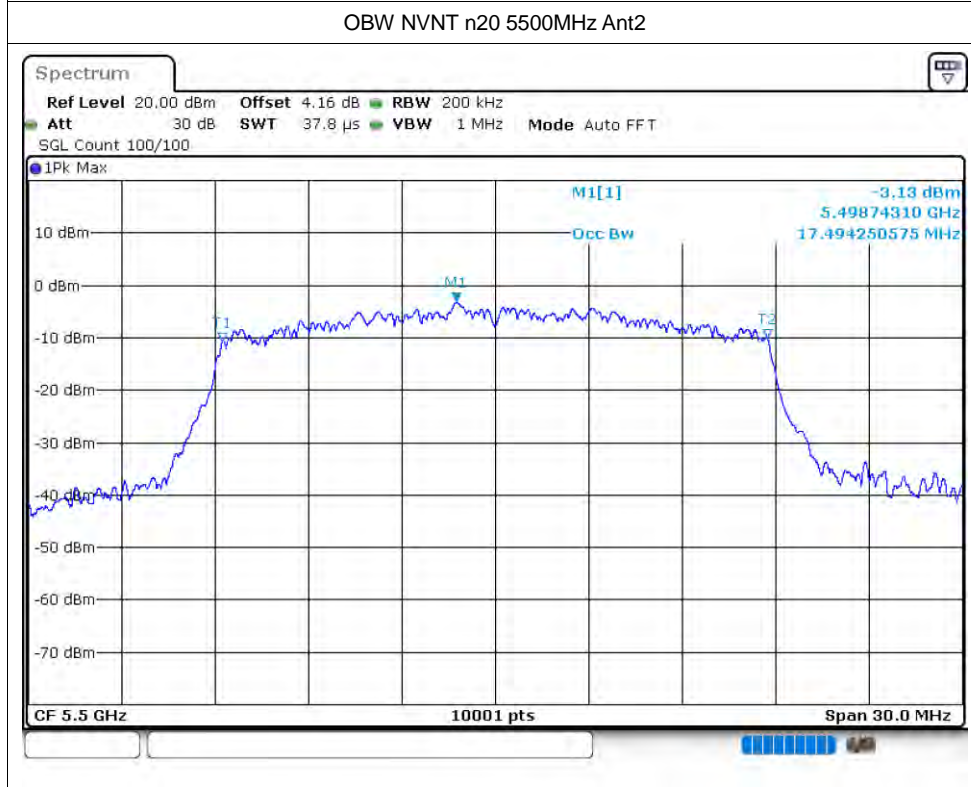
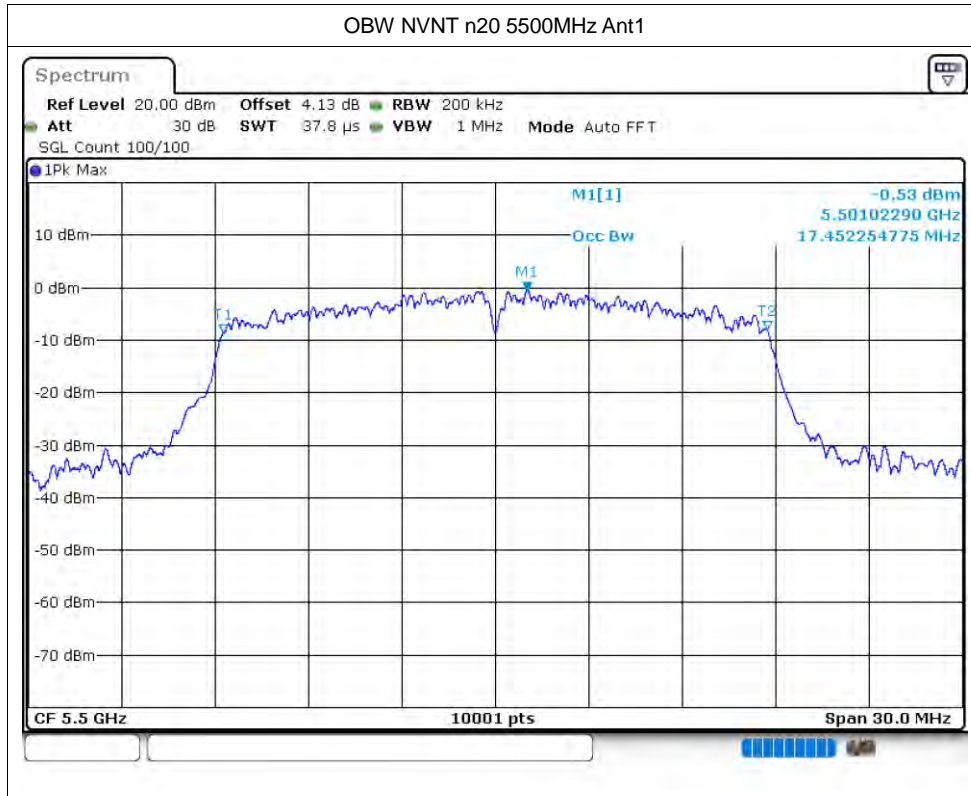


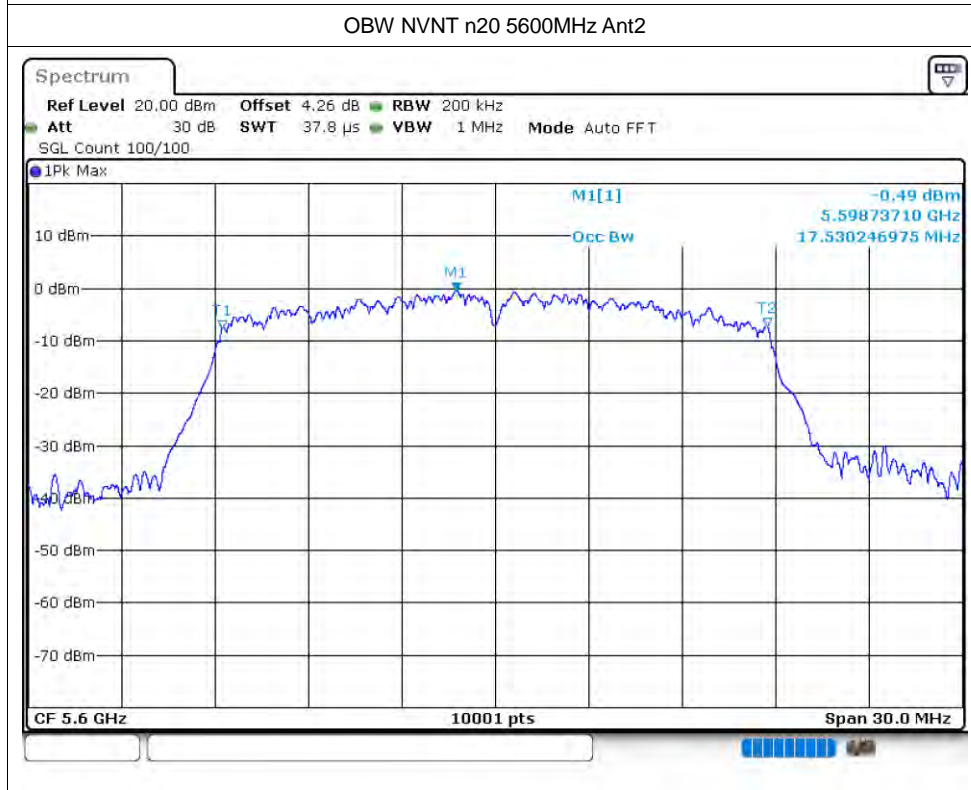
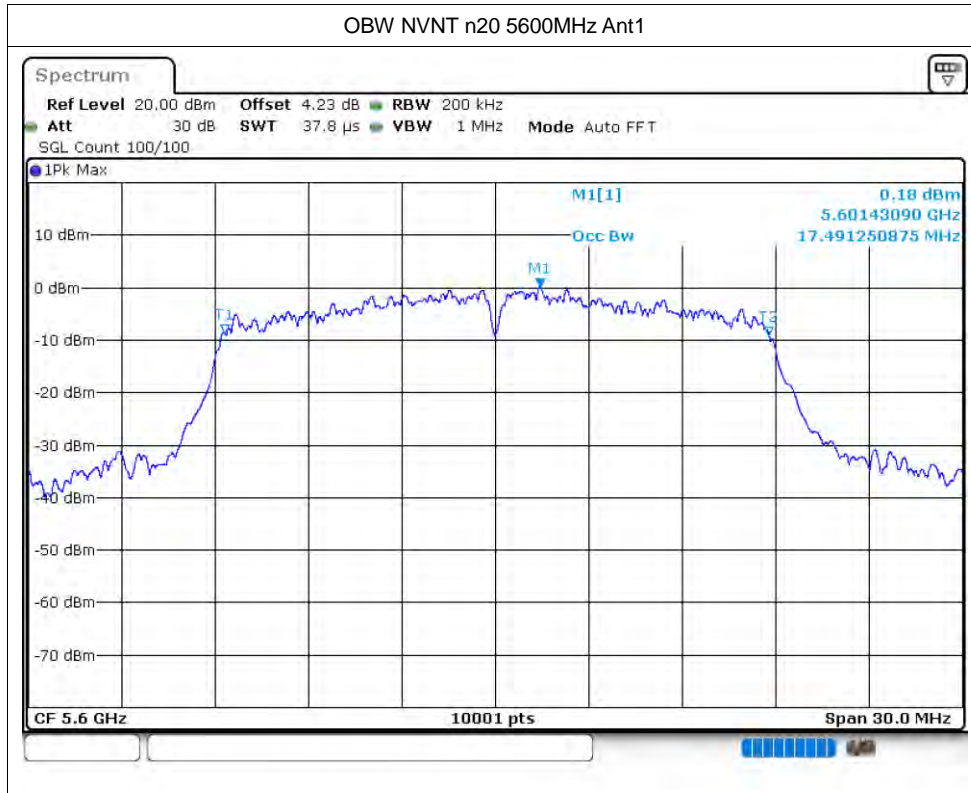


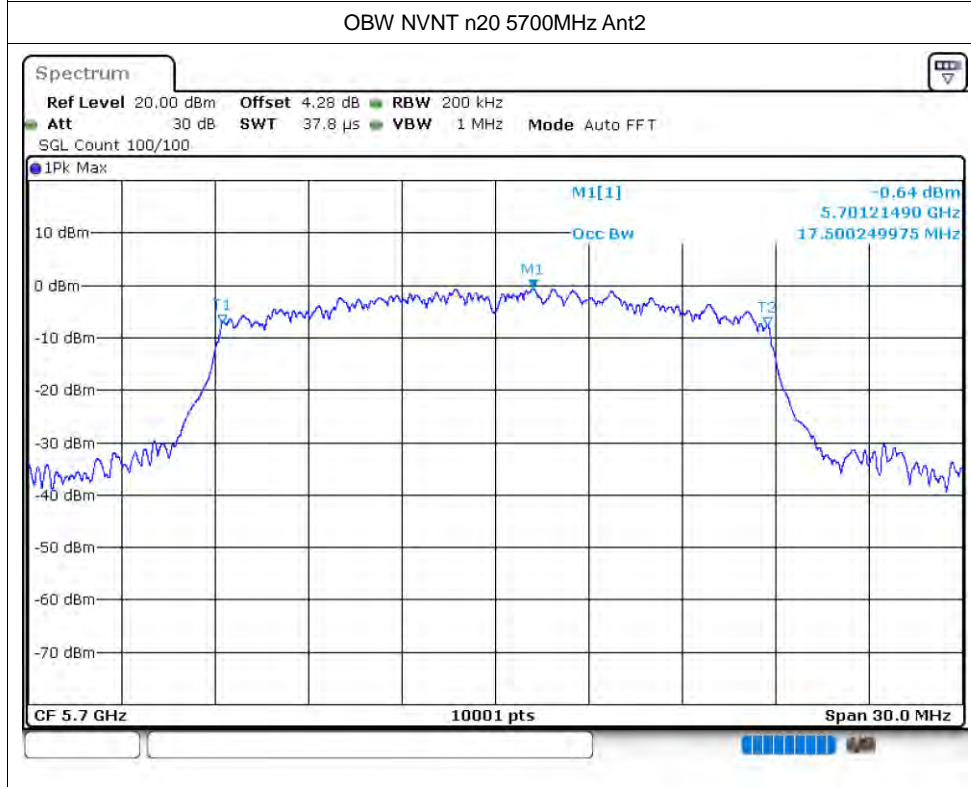
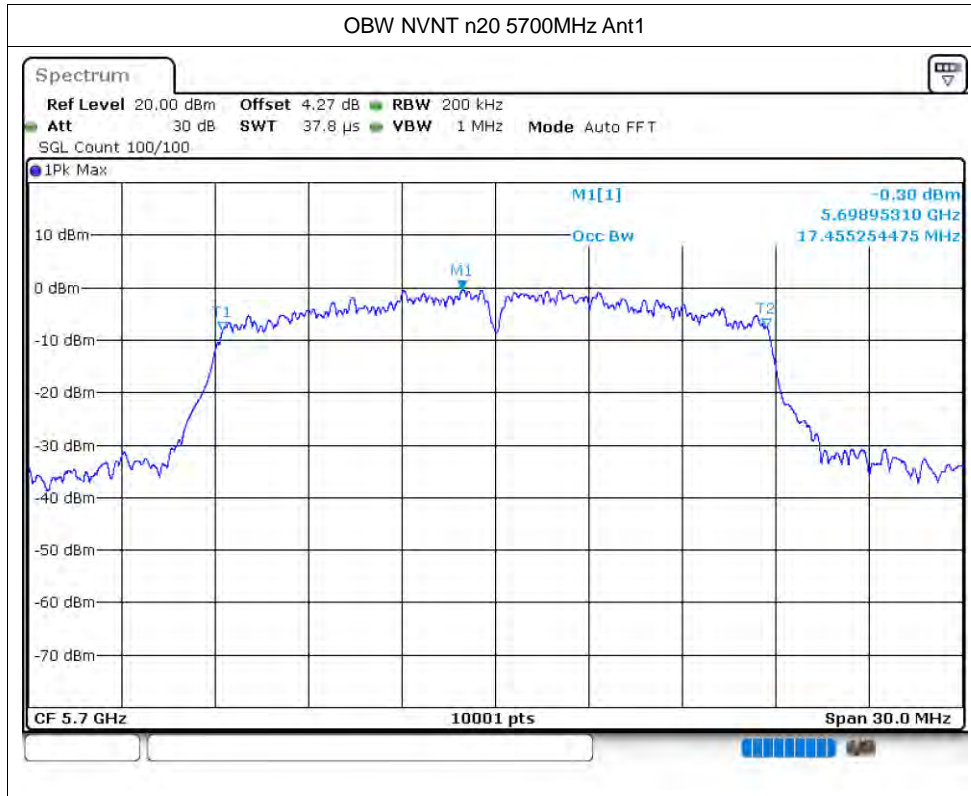


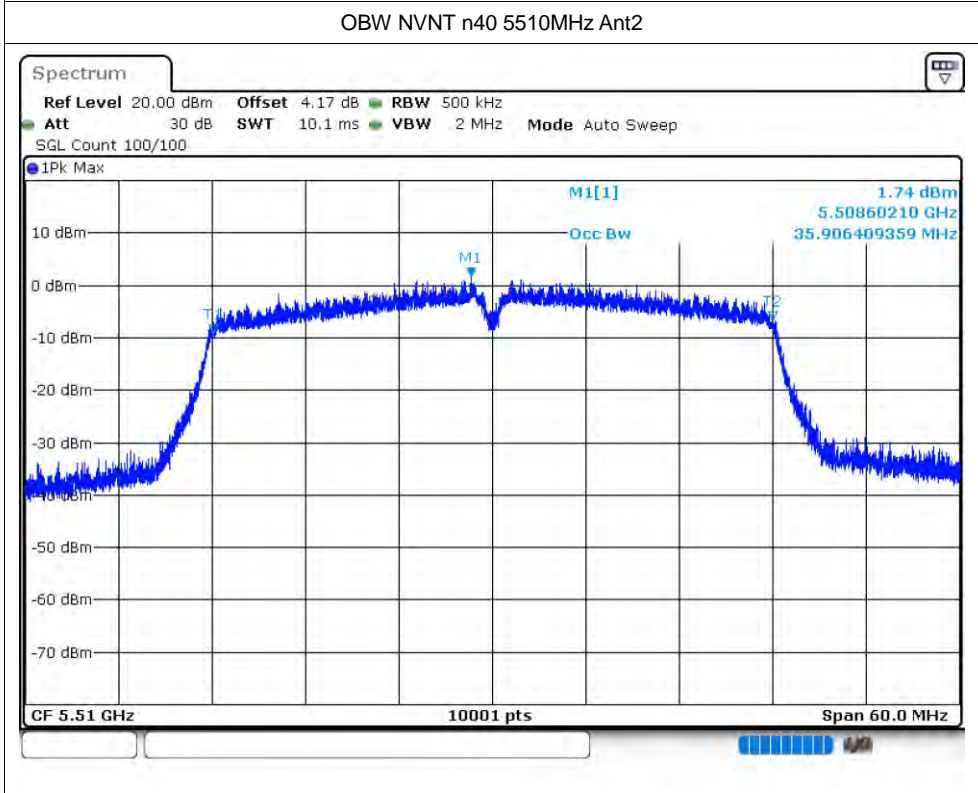
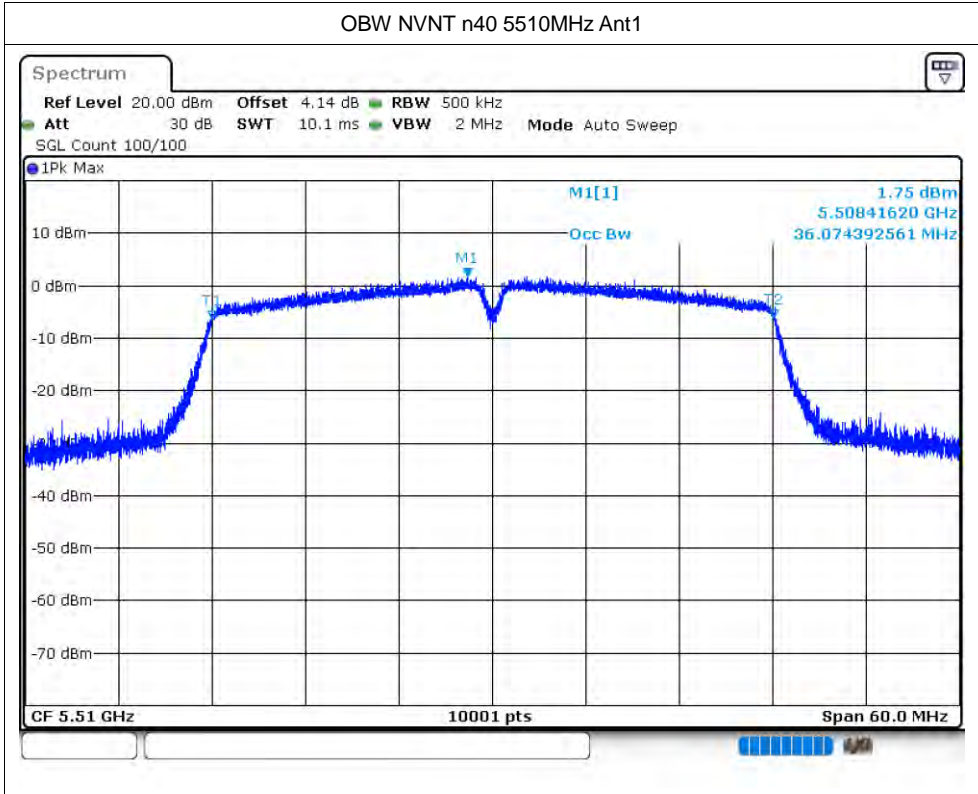


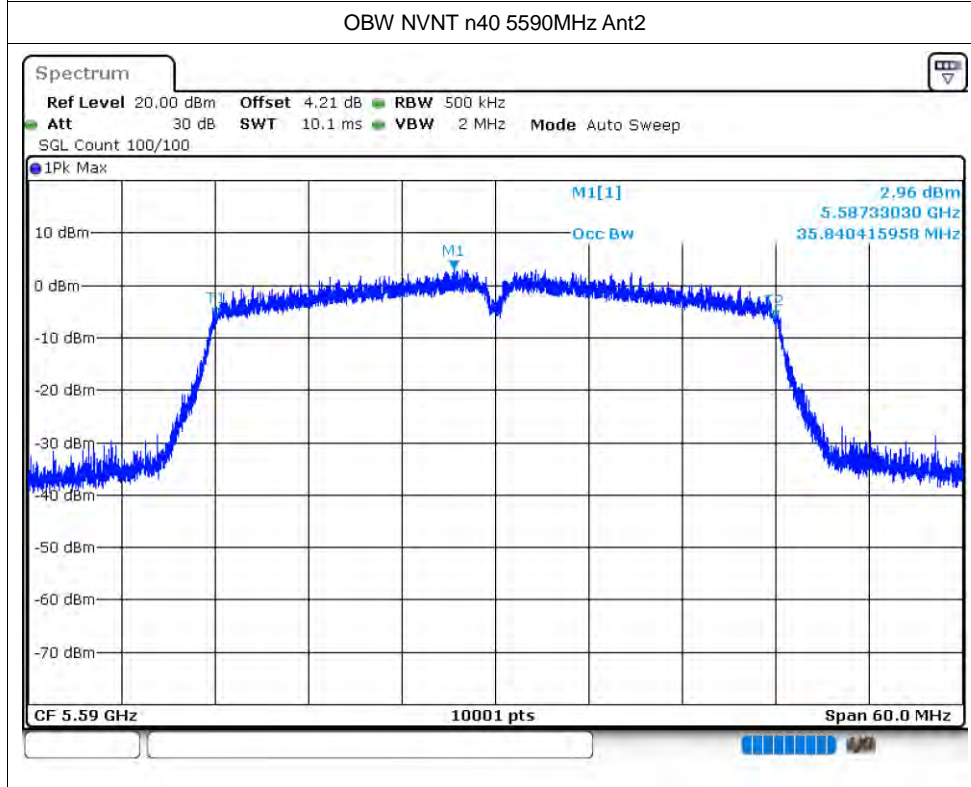
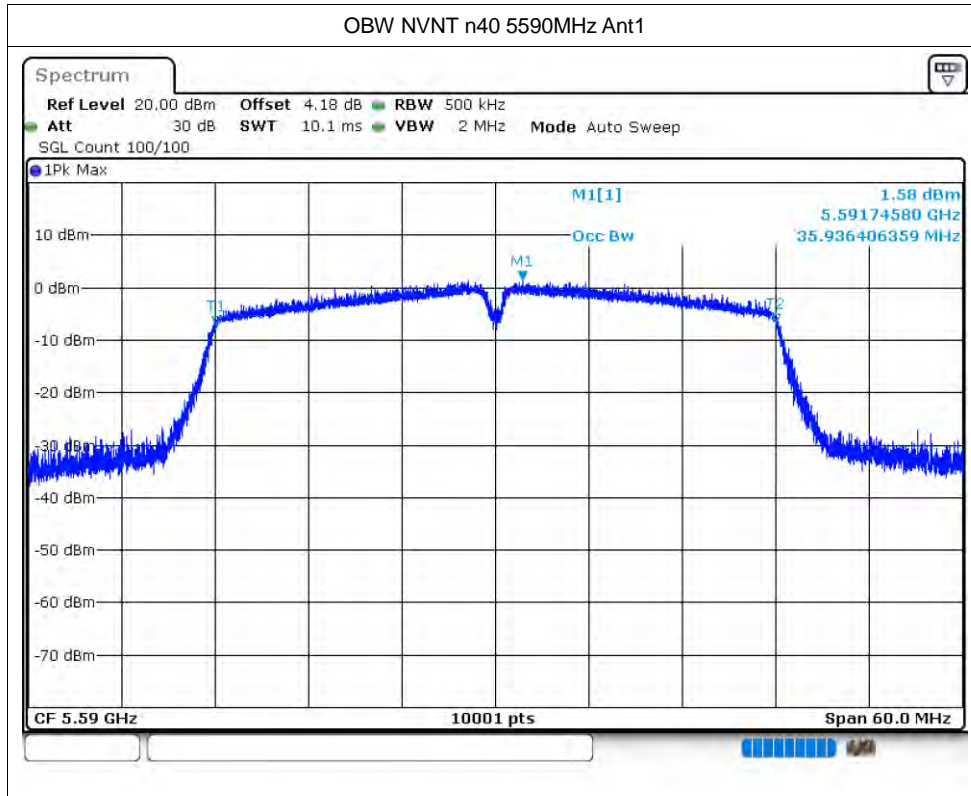


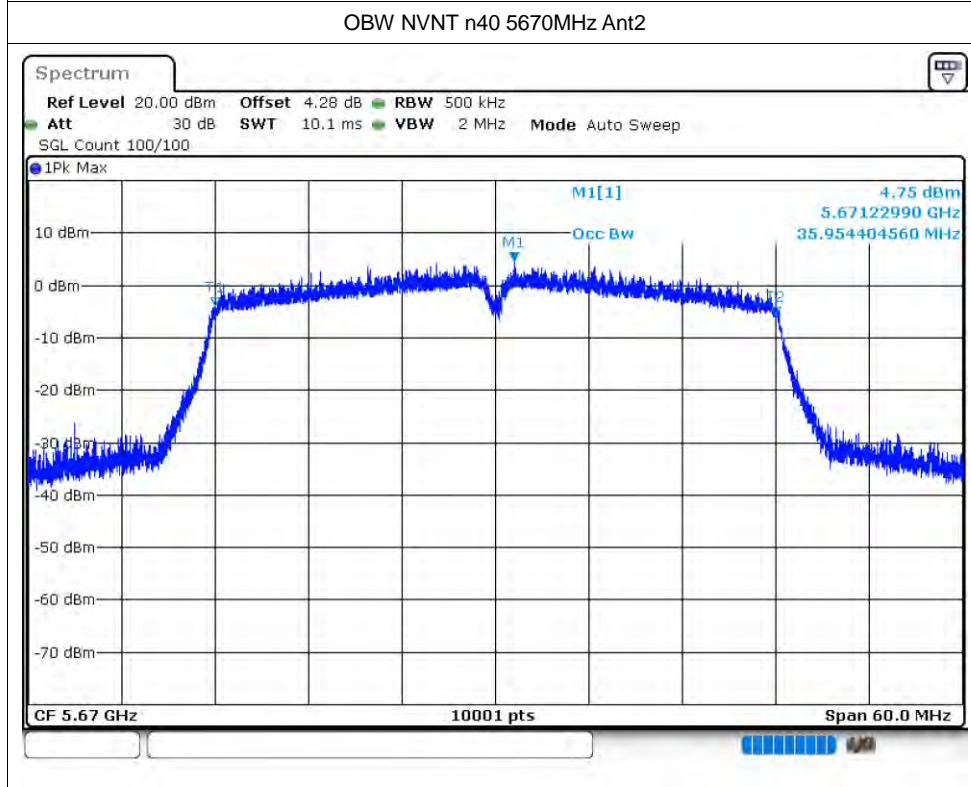
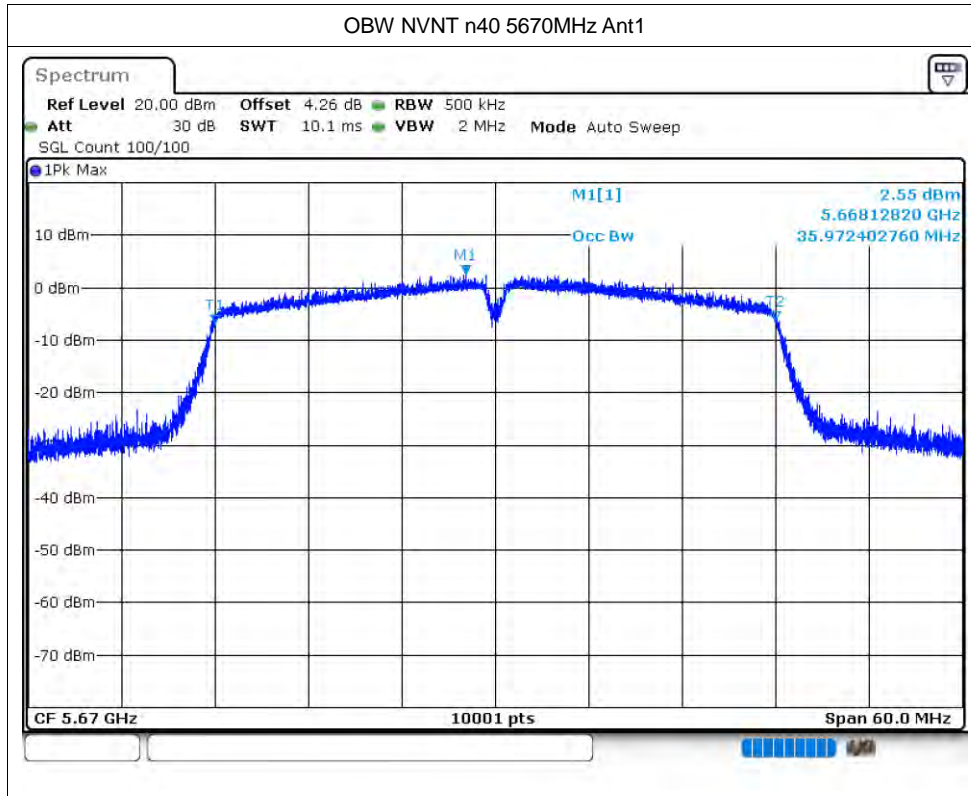












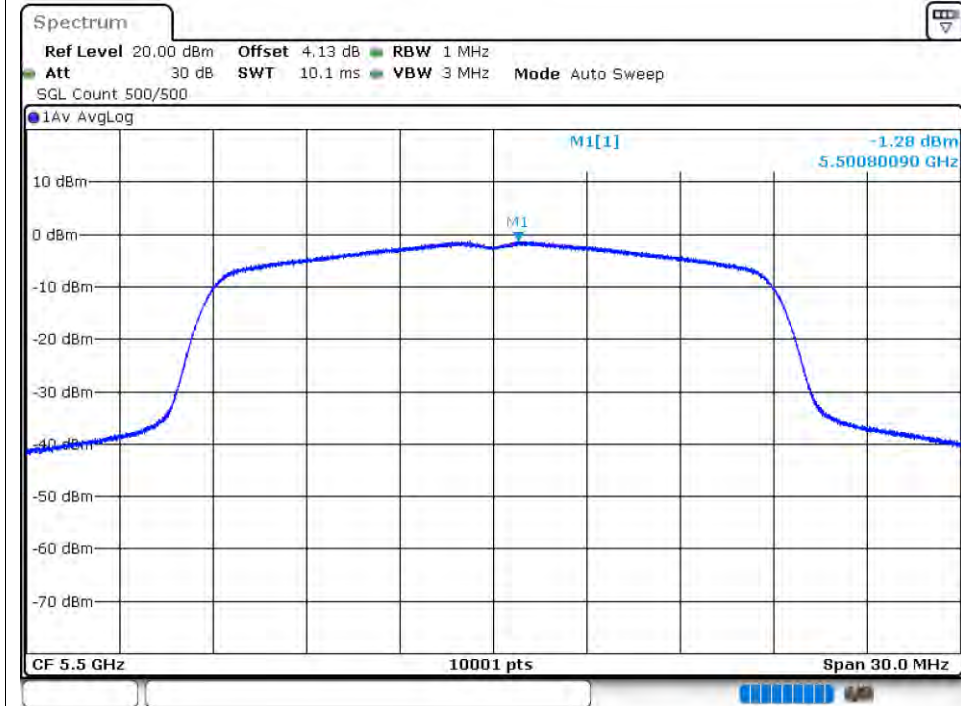
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	Ant1	-1.28	0	-1.28	--	Pass
NVNT	ac20	5500	Ant2	-4.29	0	-4.29	--	Pass
NVNT	ac20	5500	Sum	--	--	0.48	11	Pass
NVNT	ac20	5600	Ant1	-0.65	0	-0.65	--	Pass
NVNT	ac20	5600	Ant2	-0.8	0	-0.8	--	Pass
NVNT	ac20	5600	Sum	--	--	2.29	11	Pass
NVNT	ac20	5700	Ant1	-1.07	0	-1.07	--	Pass
NVNT	ac20	5700	Ant2	-0.64	0	-0.64	--	Pass
NVNT	ac20	5700	Sum	--	--	2.16	11	Pass
NVNT	ac40	5510	Ant1	-4.64	0	-4.64	--	Pass
NVNT	ac40	5510	Ant2	-7.24	0	-7.24	--	Pass
NVNT	ac40	5510	Sum	--	--	-2.74	11	Pass
NVNT	ac40	5590	Ant1	-4.78	0	-4.78	--	Pass
NVNT	ac40	5590	Ant2	-4.64	0	-4.64	--	Pass
NVNT	ac40	5590	Sum	--	--	-1.7	11	Pass
NVNT	ac40	5670	Ant1	-3.32	0	-3.32	--	Pass
NVNT	ac40	5670	Ant2	-3.65	0	-3.65	--	Pass
NVNT	ac40	5670	Sum	--	--	-0.47	11	Pass
NVNT	ac80	5530	Ant1	-9.04	0	-9.04	--	Pass
NVNT	ac80	5530	Ant2	-10.6	0	-10.6	--	Pass
NVNT	ac80	5530	Sum	--	--	-6.74	11	Pass
NVNT	ac80	5610	Ant1	-9.26	0	-9.26	--	Pass
NVNT	ac80	5610	Ant2	-9.75	0	-9.75	--	Pass
NVNT	ac80	5610	Sum	--	--	-6.49	11	Pass
NVNT	ax20	5500	Ant1	-1.54	0	-1.54	--	Pass
NVNT	ax20	5500	Ant2	-3.74	0	-3.74	--	Pass
NVNT	ax20	5500	Sum	--	--	0.51	11	Pass
NVNT	ax20	5600	Ant1	-1.46	0	-1.46	--	Pass
NVNT	ax20	5600	Ant2	-1.54	0	-1.54	--	Pass
NVNT	ax20	5600	Sum	--	--	1.51	11	Pass
NVNT	ax20	5700	Ant1	-2.2	0	-2.2	--	Pass
NVNT	ax20	5700	Ant2	-1.59	0	-1.59	--	Pass
NVNT	ax20	5700	Sum	--	--	1.13	11	Pass
NVNT	ax40	5510	Ant1	-4.22	0	-4.22	--	Pass
NVNT	ax40	5510	Ant2	-6.85	0	-6.85	--	Pass
NVNT	ax40	5510	Sum	--	--	-2.33	11	Pass
NVNT	ax40	5590	Ant1	-4.71	0	-4.71	--	Pass
NVNT	ax40	5590	Ant2	-4.38	0	-4.38	--	Pass
NVNT	ax40	5590	Sum	--	--	-1.53	11	Pass
NVNT	ax40	5670	Ant1	-3.95	0	-3.95	--	Pass
NVNT	ax40	5670	Ant2	-4.42	0	-4.42	--	Pass

NVNT	ax40	5670	Sum	--	--	-1.17	11	Pass
NVNT	ax80	5530	Ant1	-8.61	0	-8.61	--	Pass
NVNT	ax80	5530	Ant2	-10.25	0	-10.25	--	Pass
NVNT	ax80	5530	Sum	--	--	-6.34	11	Pass
NVNT	ax80	5610	Ant1	-8.48	0	-8.48	--	Pass
NVNT	ax80	5610	Ant2	-8.62	0	-8.62	--	Pass
NVNT	ax80	5610	Sum	--	--	-5.54	11	Pass
NVNT	n20	5500	Ant1	-0.52	0	-0.52	--	Pass
NVNT	n20	5500	Ant2	-3.67	0	-3.67	--	Pass
NVNT	n20	5500	Sum	--	--	1.19	11	Pass
NVNT	n20	5600	Ant1	-0.62	0	-0.62	--	Pass
NVNT	n20	5600	Ant2	-0.69	0	-0.69	--	Pass
NVNT	n20	5600	Sum	--	--	2.36	11	Pass
NVNT	n20	5700	Ant1	-1.01	0	-1.01	--	Pass
NVNT	n20	5700	Ant2	-1.01	0	-1.01	--	Pass
NVNT	n20	5700	Sum	--	--	2	11	Pass
NVNT	n40	5510	Ant1	-4.38	0	-4.38	--	Pass
NVNT	n40	5510	Ant2	-7.04	0	-7.04	--	Pass
NVNT	n40	5510	Sum	--	--	-2.5	11	Pass
NVNT	n40	5590	Ant1	-4.67	0	-4.67	--	Pass
NVNT	n40	5590	Ant2	-4.63	0	-4.63	--	Pass
NVNT	n40	5590	Sum	--	--	-1.64	11	Pass
NVNT	n40	5670	Ant1	-3.05	0	-3.05	--	Pass
NVNT	n40	5670	Ant2	-3.6	0	-3.6	--	Pass
NVNT	n40	5670	Sum	--	--	-0.31	11	Pass

Test Graphs

PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5500MHz Ant2



