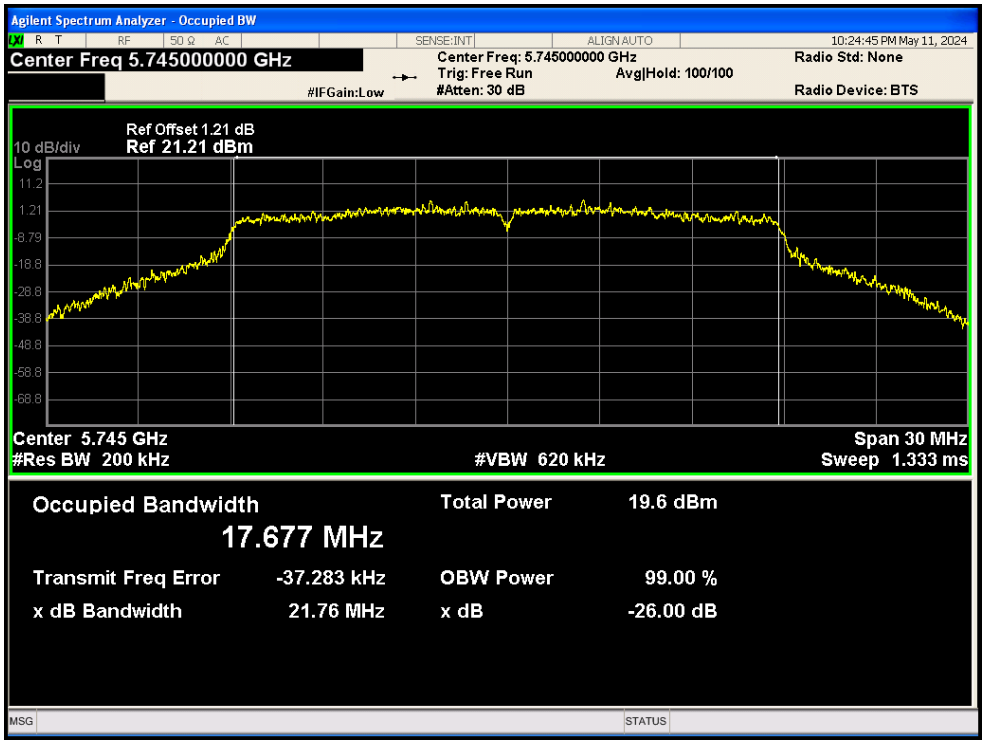
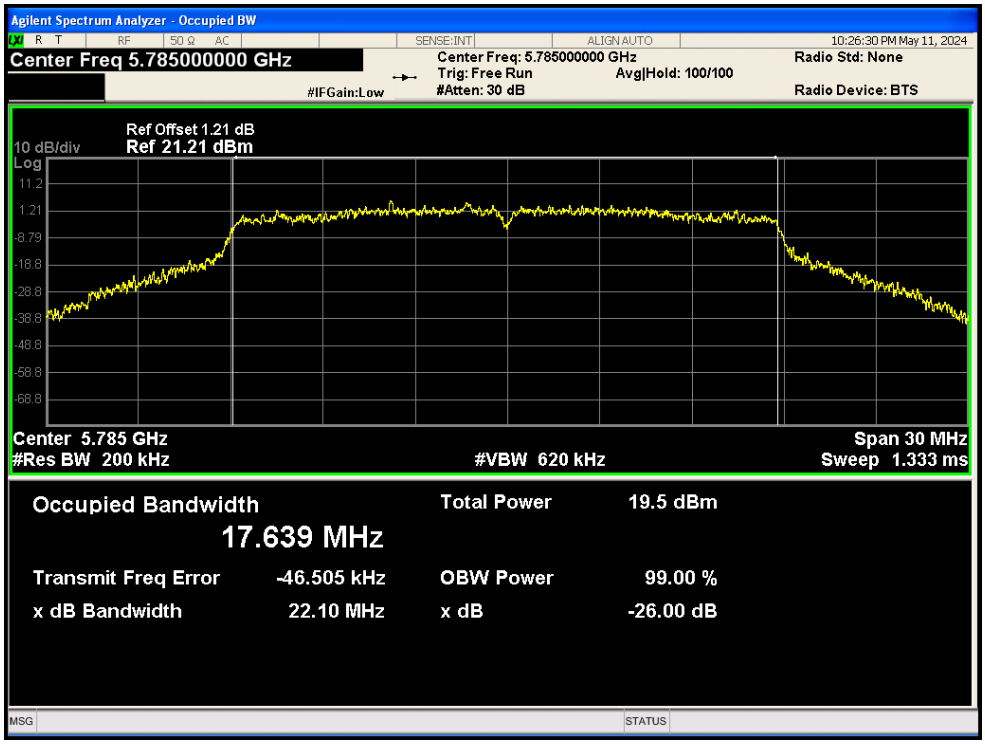
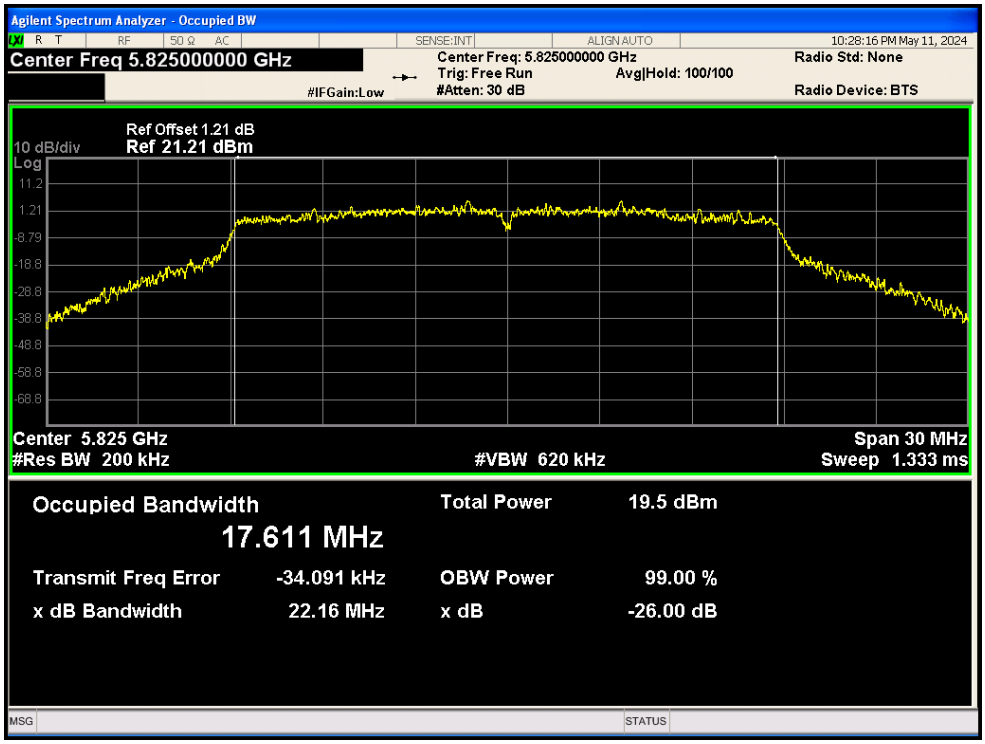


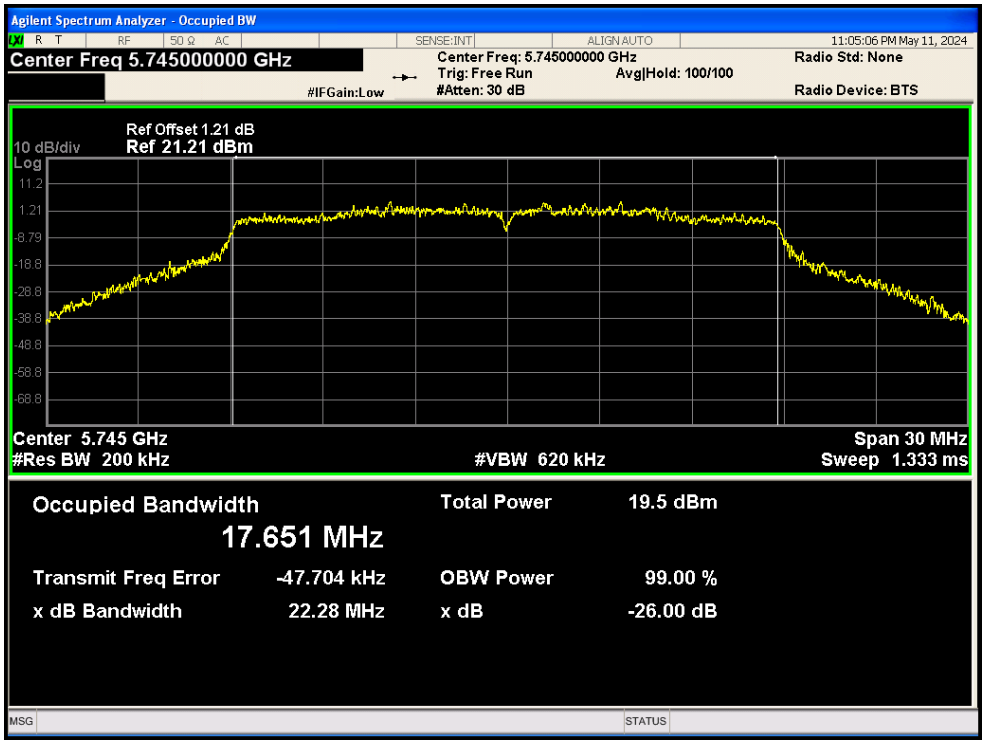
OBW NVNT ac20 5785MHz Ant1



OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac20 5745MHz Ant2



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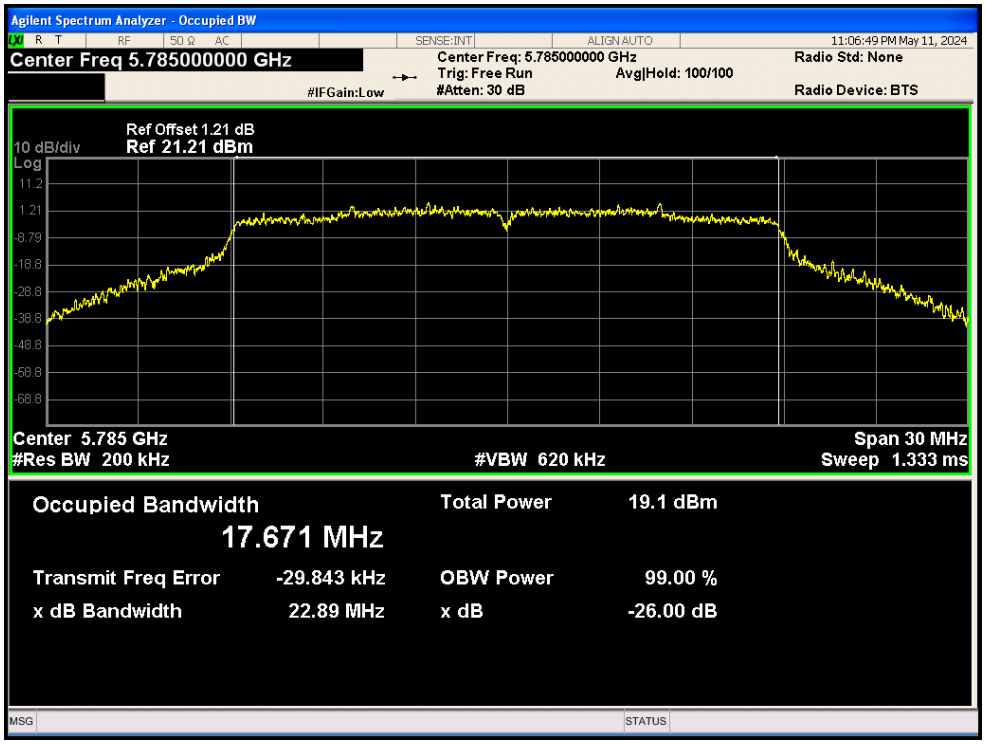

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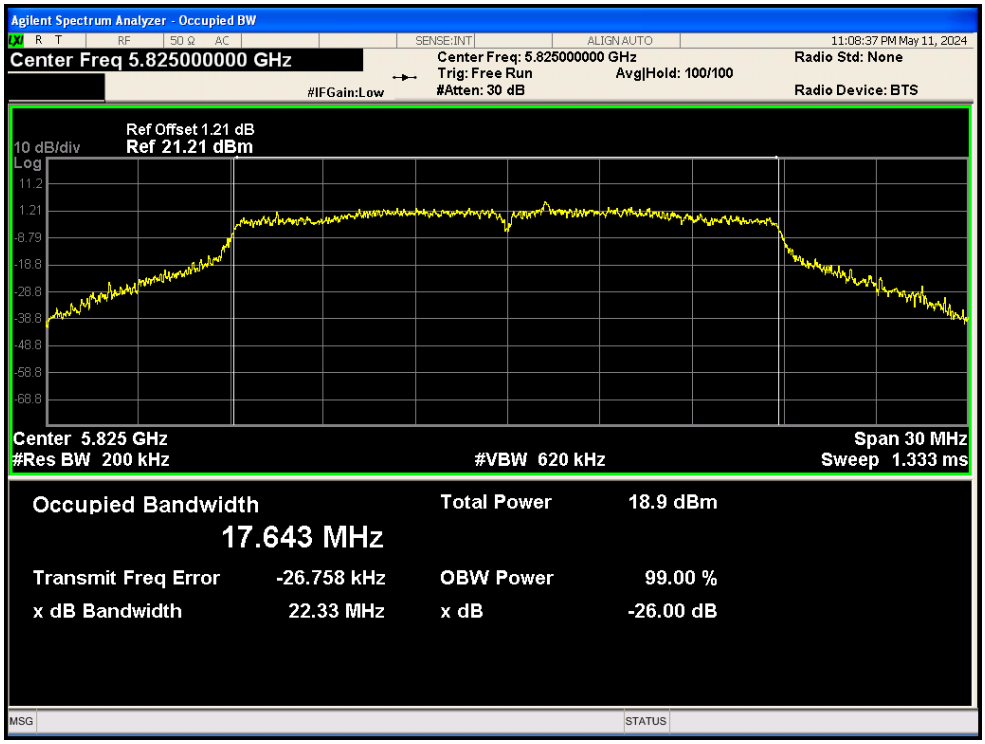
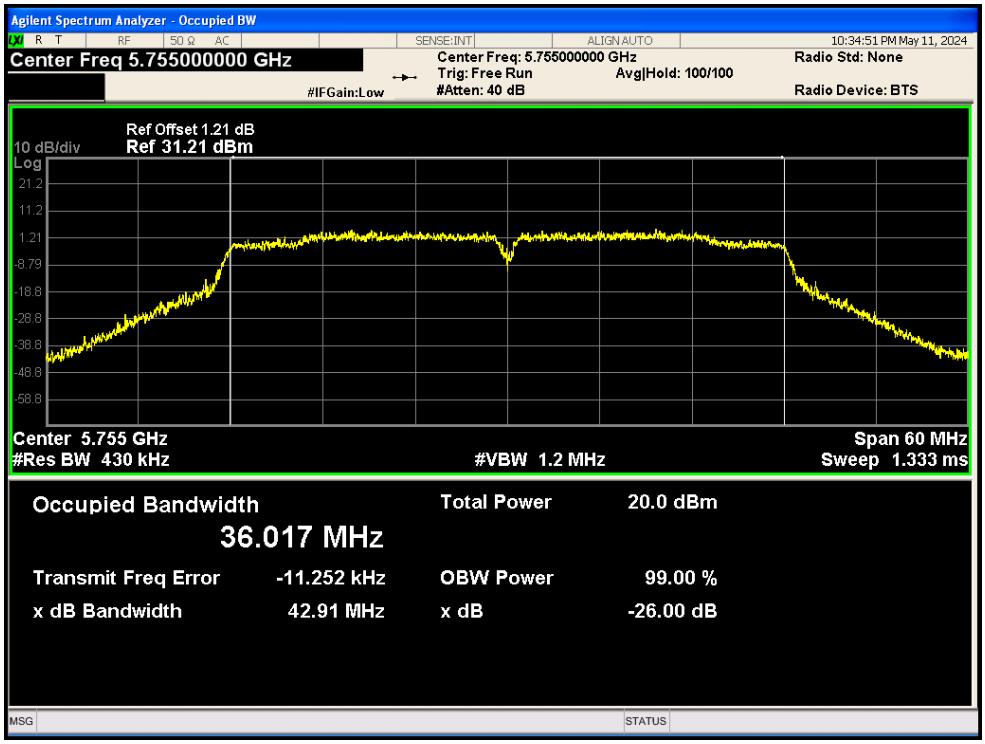
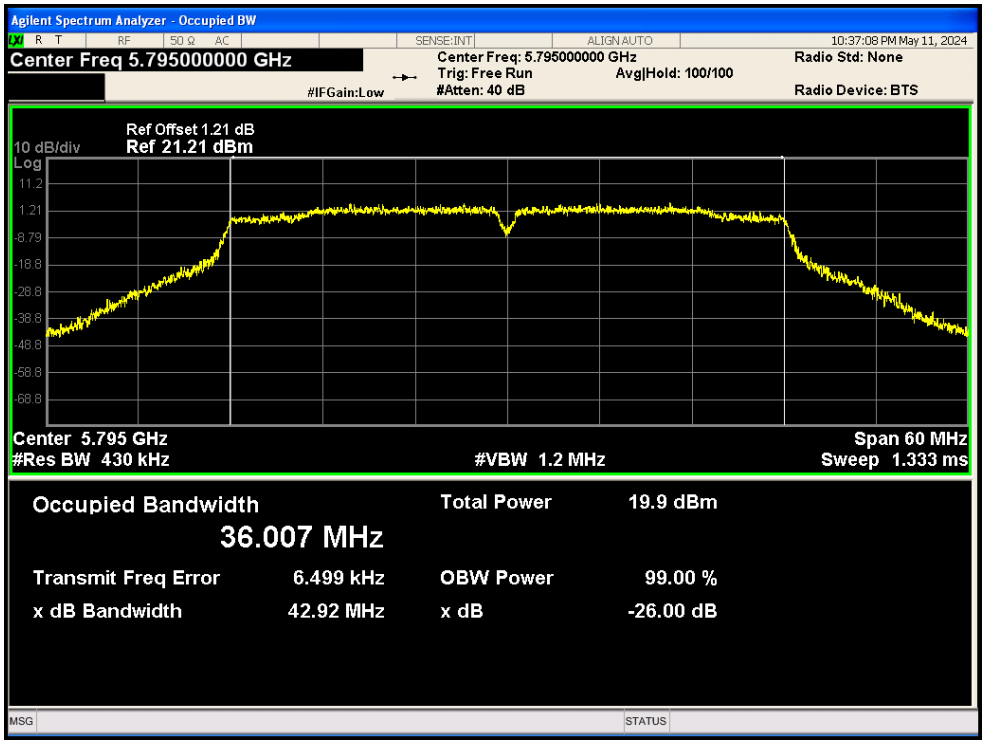


OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



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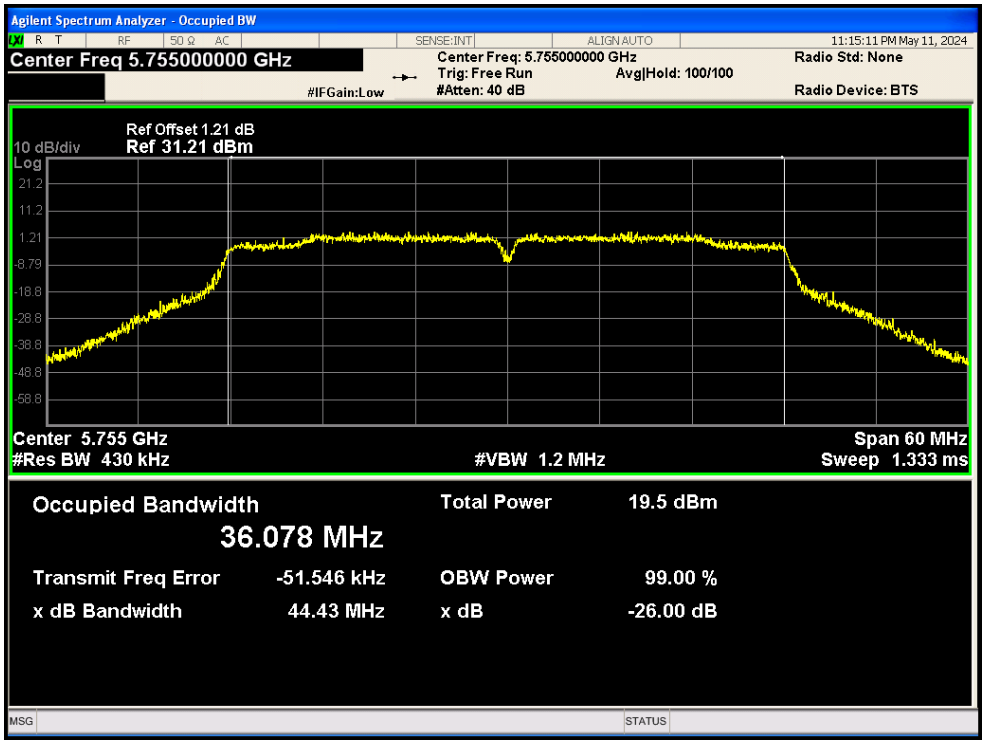

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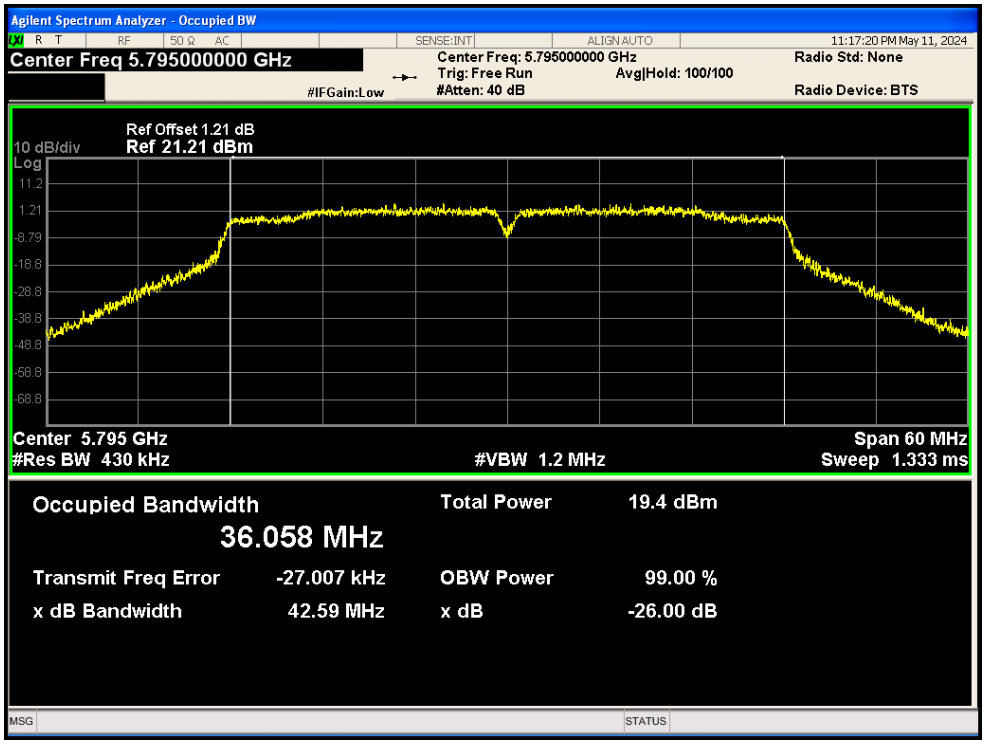
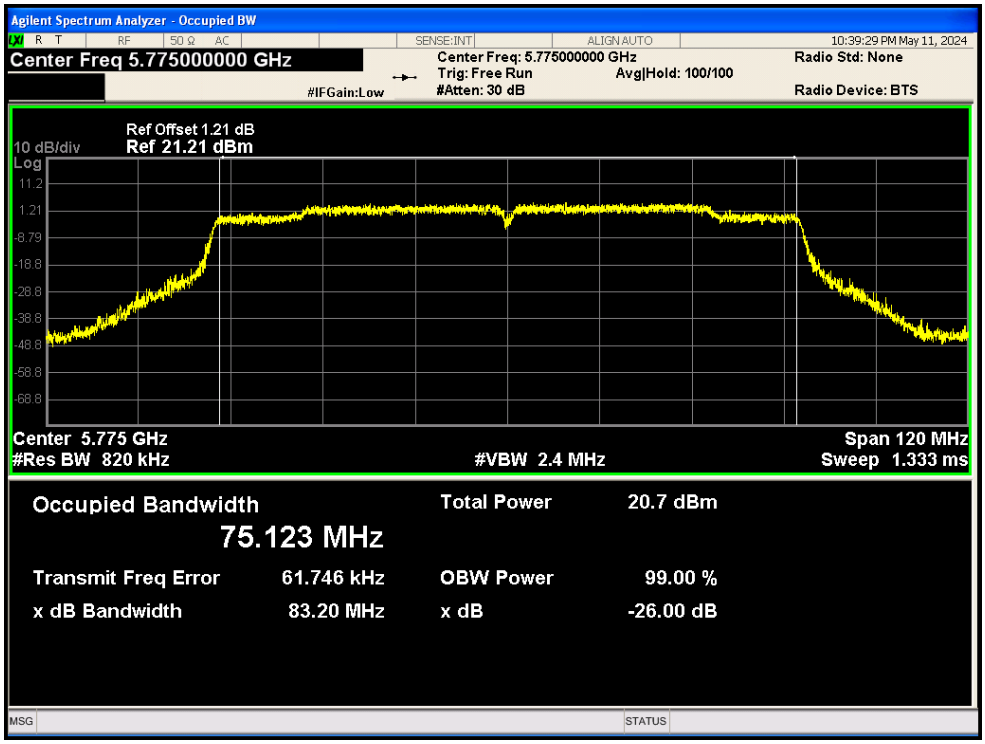


OBW NVNT ac80 5775MHz Ant1



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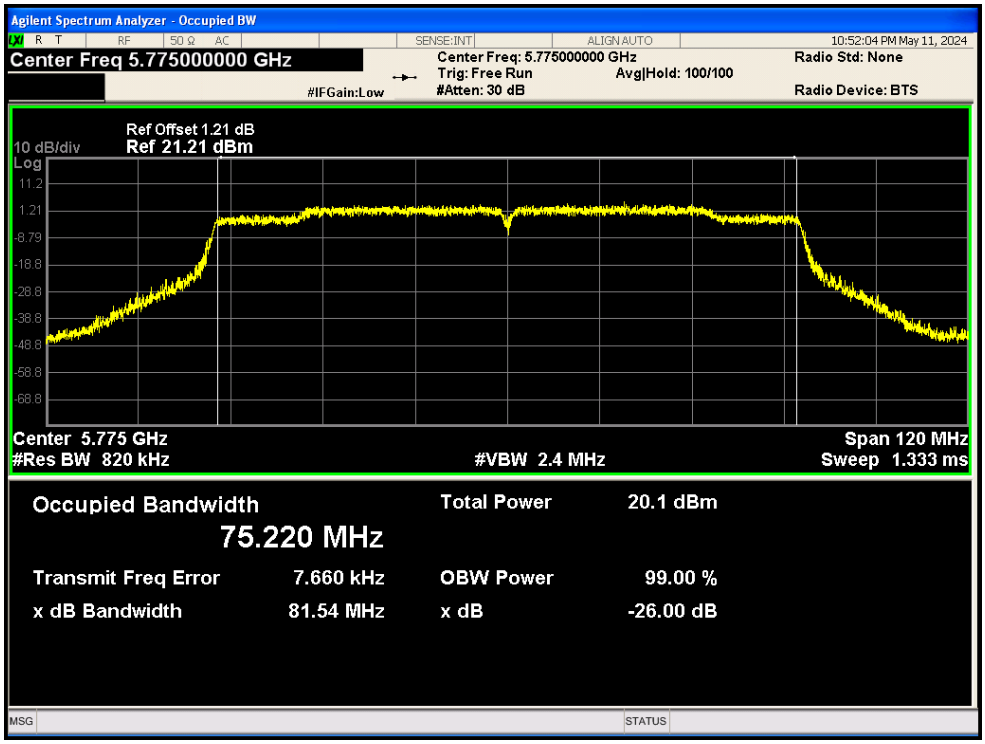
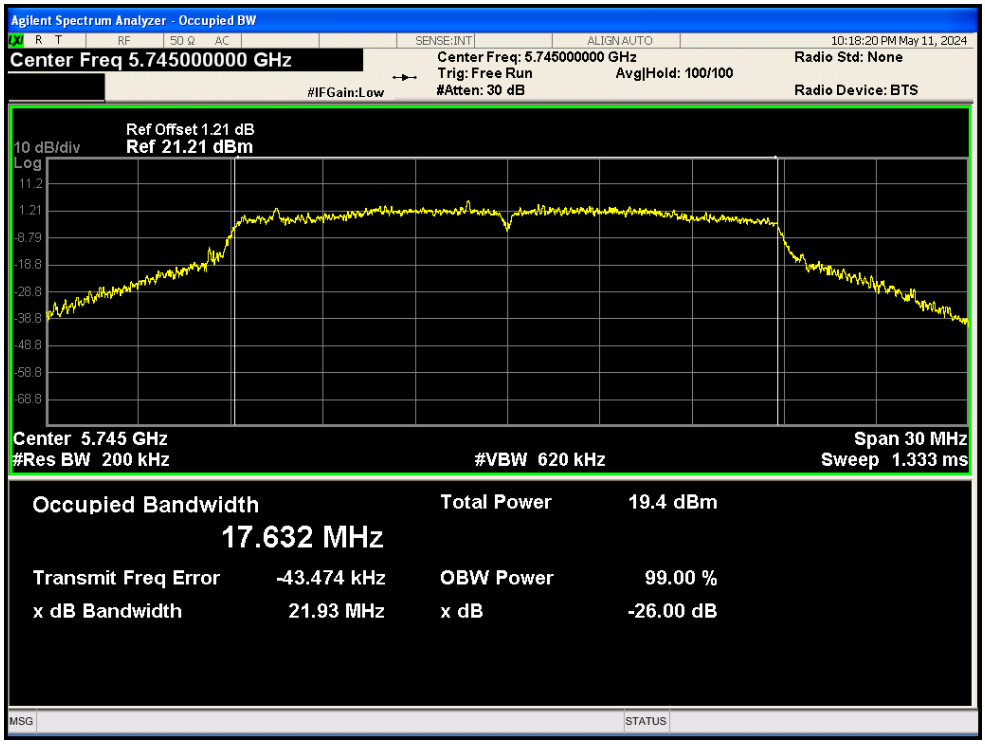


OBW NVNT n20 5745MHz Ant1



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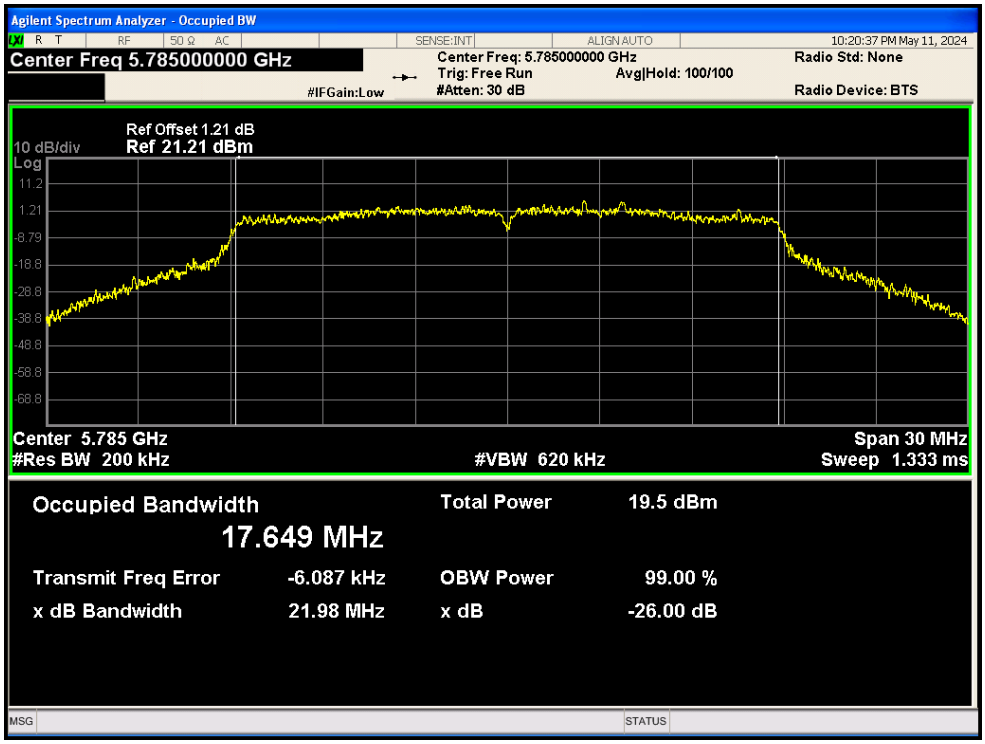

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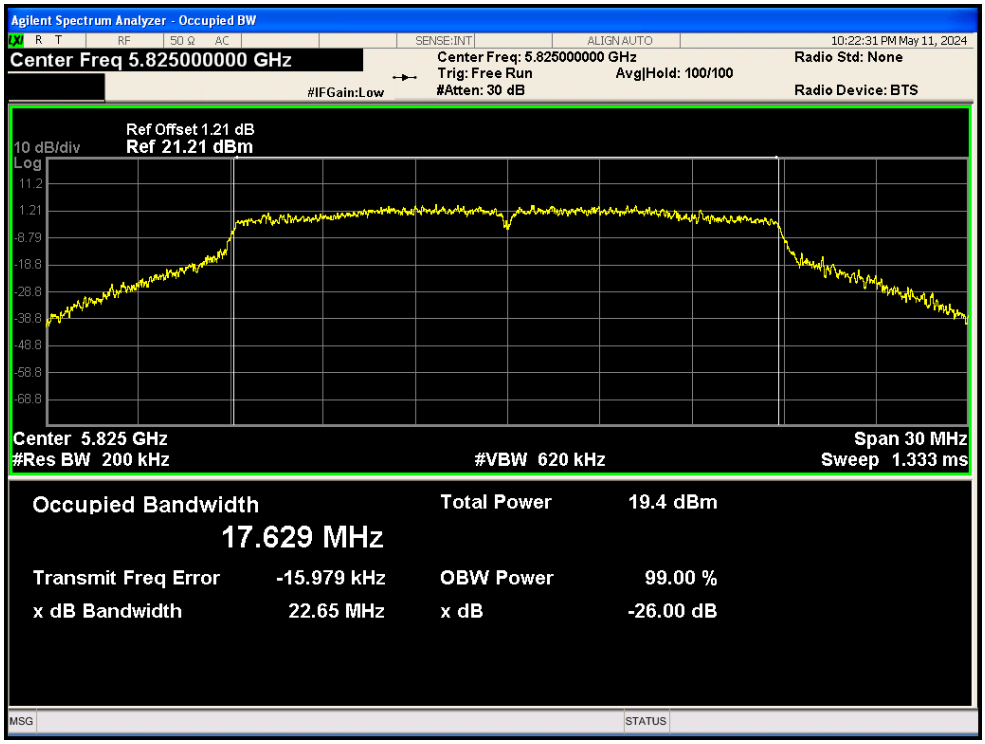

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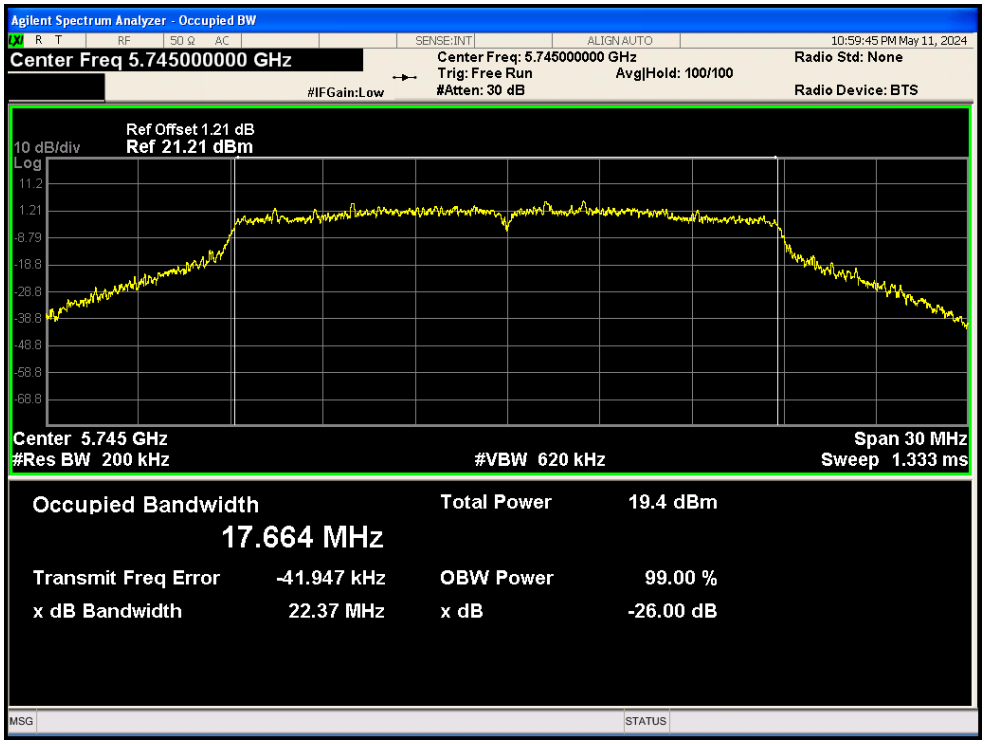

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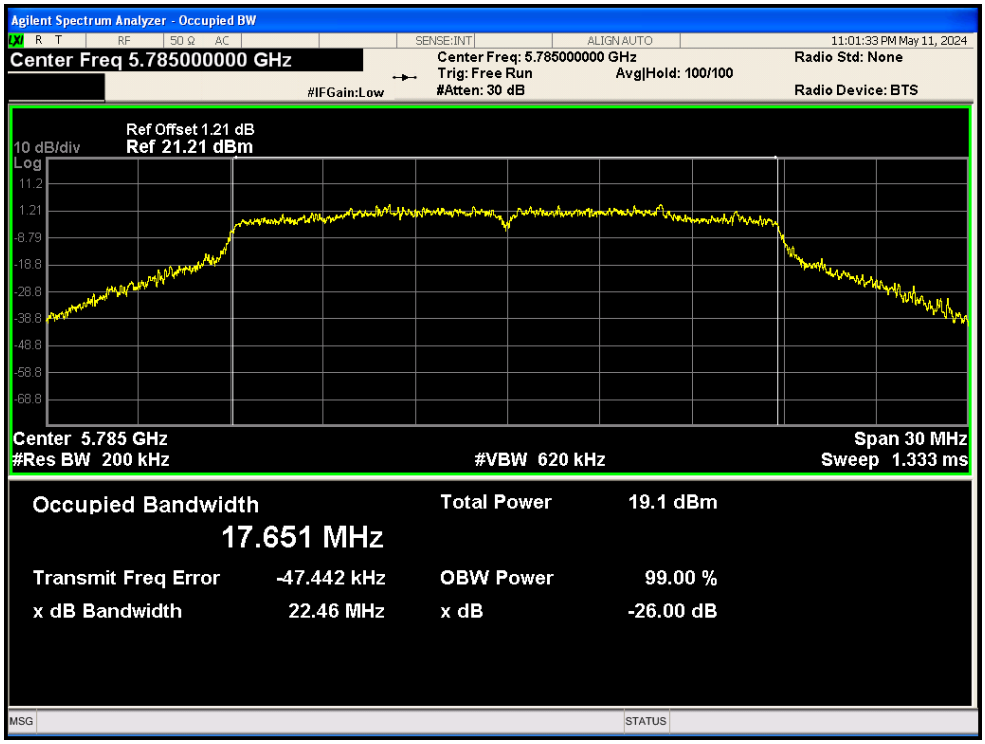

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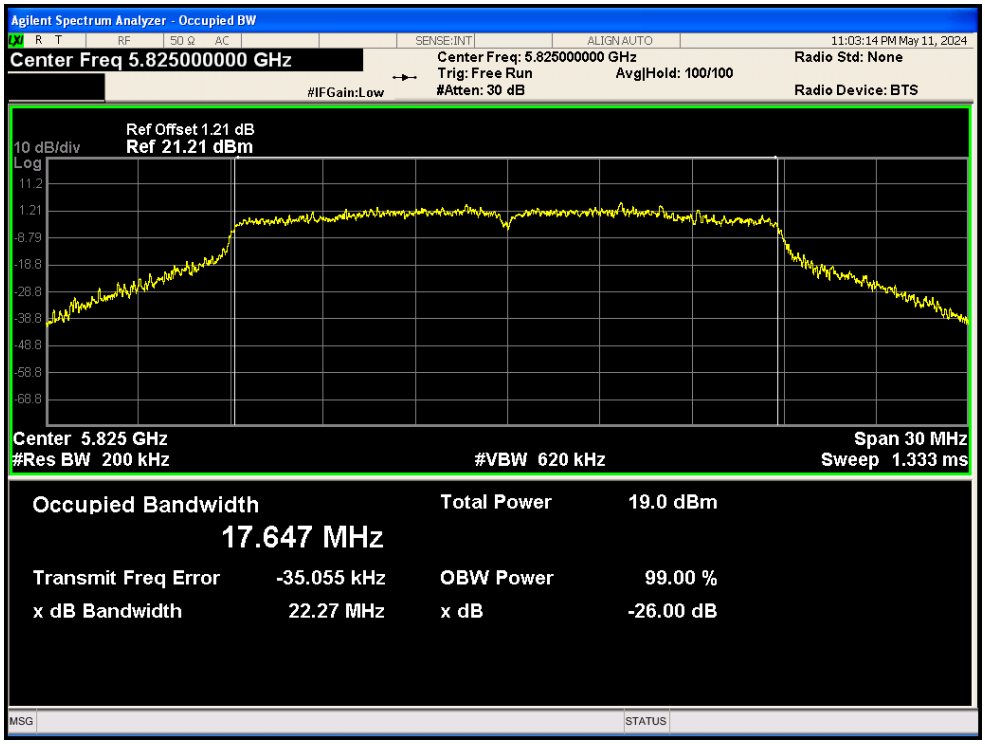

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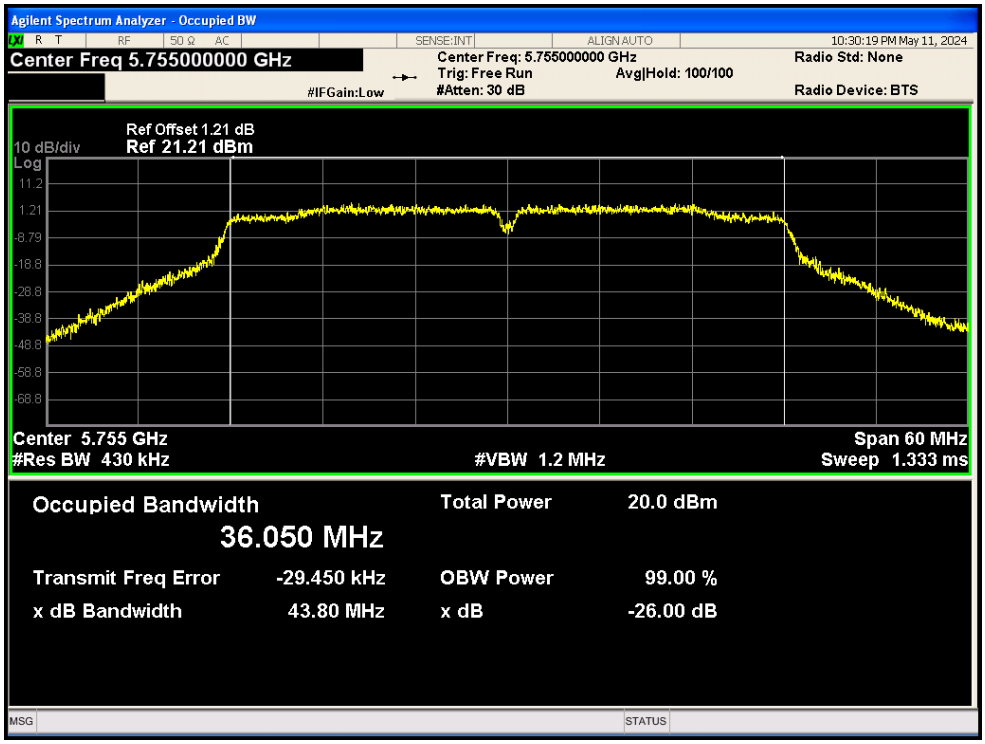
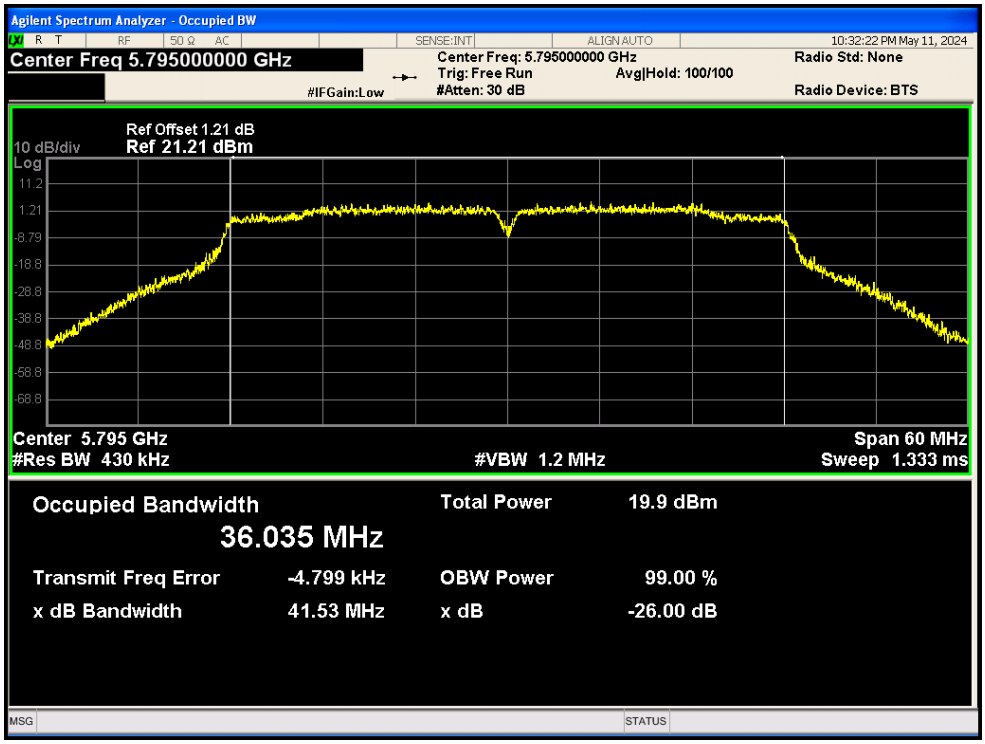


OBW NVNT n40 5795MHz Ant1



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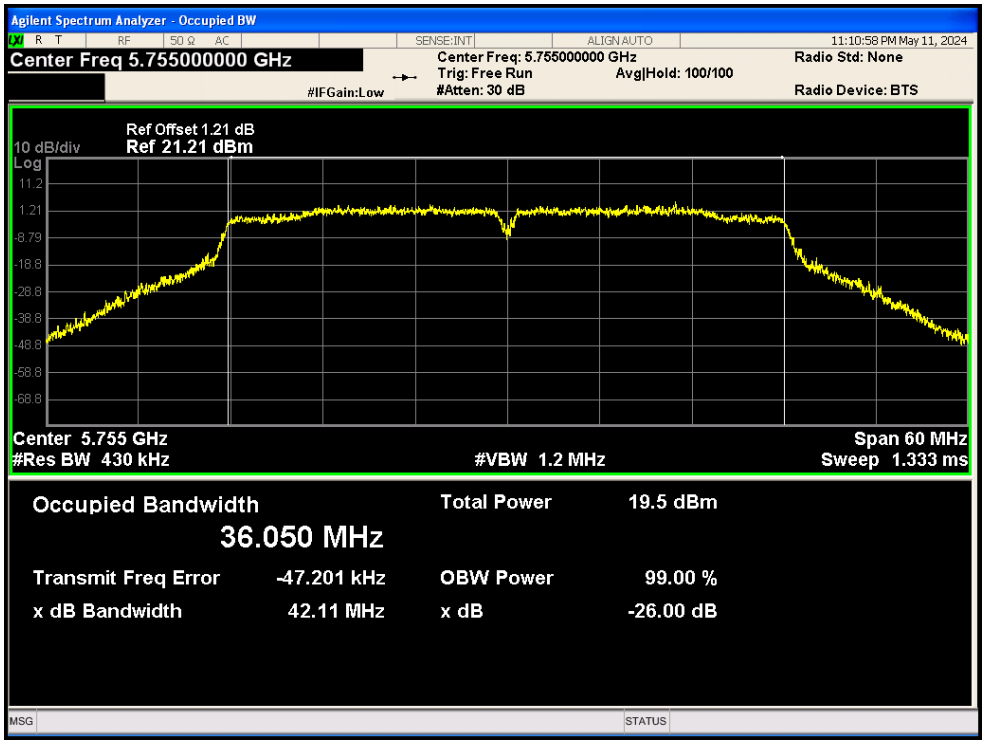

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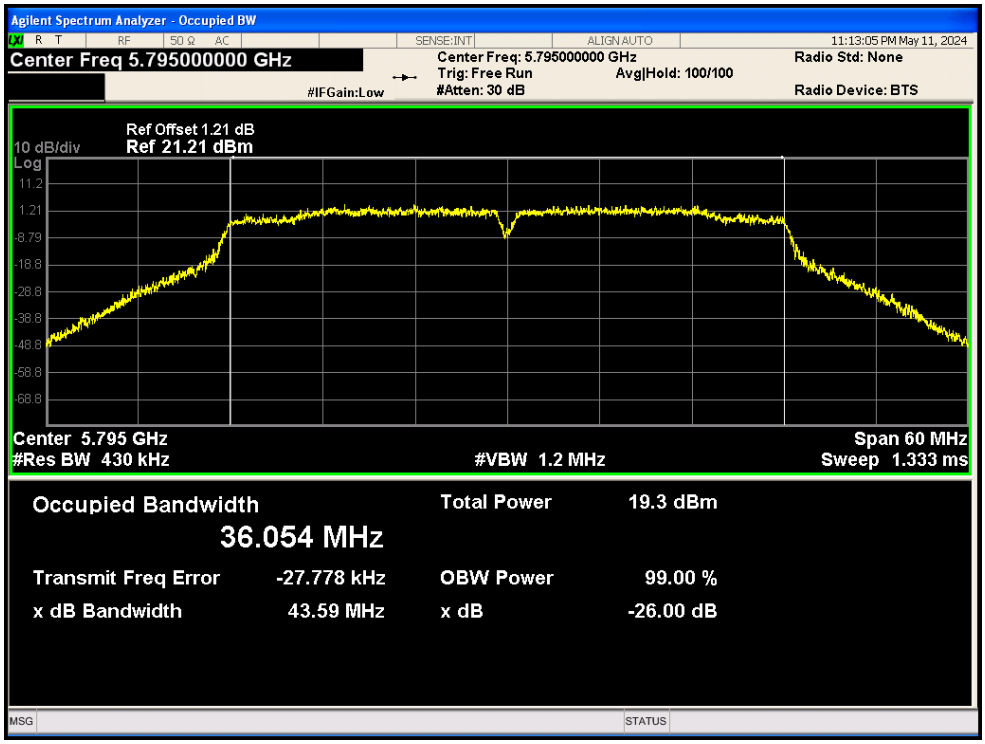
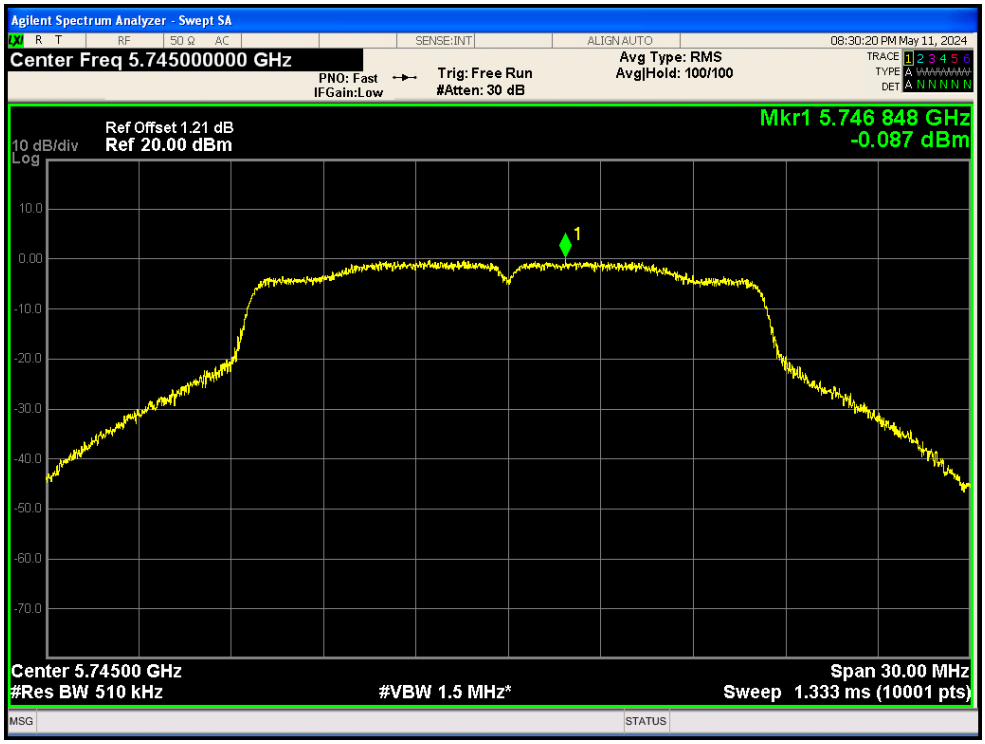


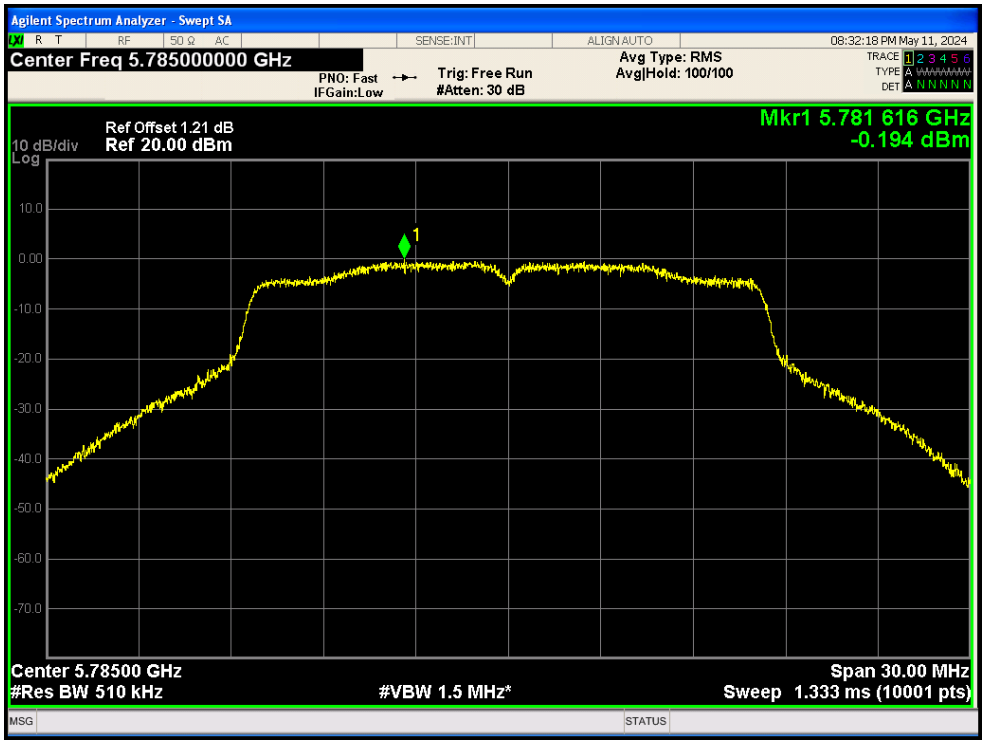
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-0.087	0.92	0.833	29.44	Pass
NVNT	a	5785	Ant1	-0.194	0.92	0.726	29.44	Pass
NVNT	a	5825	Ant1	0.128	0.89	1.018	29.44	Pass
NVNT	a	5745	Ant2	0.474	0.89	1.364	29.44	Pass
NVNT	a	5785	Ant2	0.011	0.89	0.901	29.44	Pass
NVNT	a	5825	Ant2	-0.142	0.89	0.748	29.44	Pass
NVNT	ac20	5745	Ant1	-0.059	0.9	0.841	29.44	Pass
NVNT	ac20	5785	Ant1	0.344	0.92	1.264	29.44	Pass
NVNT	ac20	5825	Ant1	0.079	0.9	0.979	29.44	Pass
NVNT	ac20	5745	Ant2	-0.028	0.9	0.872	29.44	Pass
NVNT	ac20	5785	Ant2	-0.082	0.9	0.818	29.44	Pass
NVNT	ac20	5825	Ant2	-0.153	0.9	0.747	29.44	Pass
NVNT	ac40	5755	Ant1	-2.843	0.89	-1.953	29.44	Pass
NVNT	ac40	5795	Ant1	-2.971	0.9	-2.071	29.44	Pass
NVNT	ac40	5755	Ant2	-3.666	0.89	-2.776	29.44	Pass
NVNT	ac40	5795	Ant2	-3.681	0.89	-2.791	29.44	Pass
NVNT	ac80	5775	Ant1	-5.694	0.93	-4.764	29.44	Pass
NVNT	ac80	5775	Ant2	-6.17	0.93	-5.24	29.44	Pass
NVNT	n20	5745	Ant1	-0.004	0.92	0.916	29.44	Pass
NVNT	n20	5785	Ant1	0.175	0.89	1.065	29.44	Pass
NVNT	n20	5825	Ant1	-0.208	0.9	0.692	29.44	Pass
NVNT	n20	5745	Ant2	0.034	0.92	0.954	29.44	Pass
NVNT	n20	5785	Ant2	-0.346	0.92	0.574	29.44	Pass
NVNT	n20	5825	Ant2	-0.563	0.9	0.337	29.44	Pass
NVNT	n40	5755	Ant1	-2.879	0.9	-1.979	29.44	Pass
NVNT	n40	5795	Ant1	-2.572	0.9	-1.672	29.44	Pass
NVNT	n40	5755	Ant2	-3.072	0.89	-2.182	29.44	Pass
NVNT	n40	5795	Ant2	-3.608	0.9	-2.708	29.44	Pass

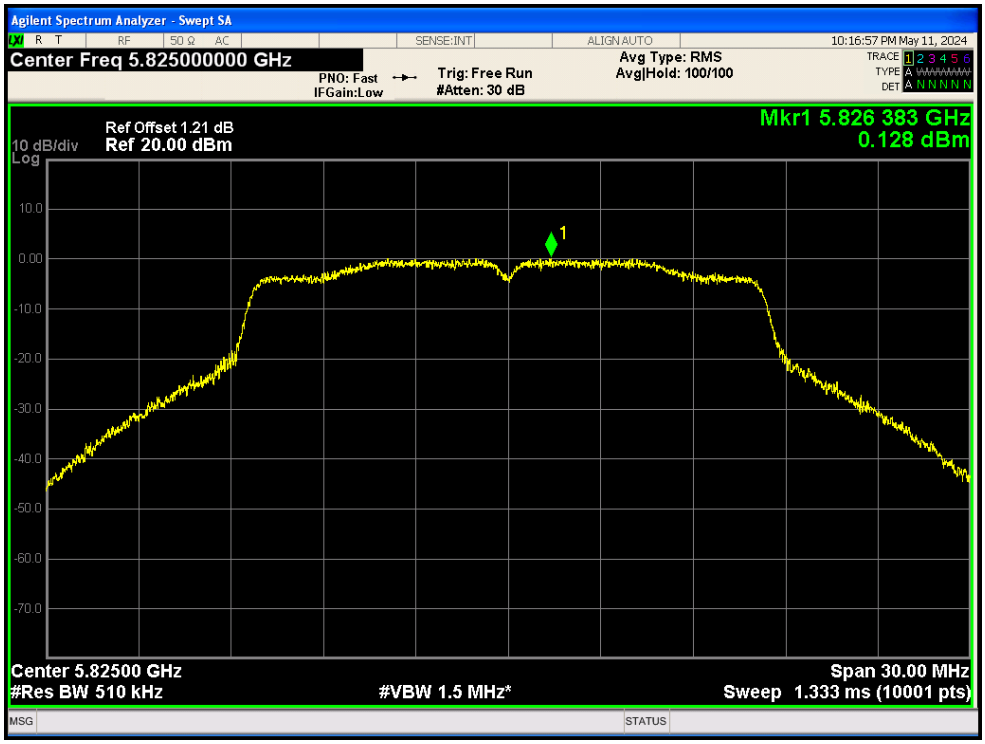
PSD NVNT a 5745MHz Ant1



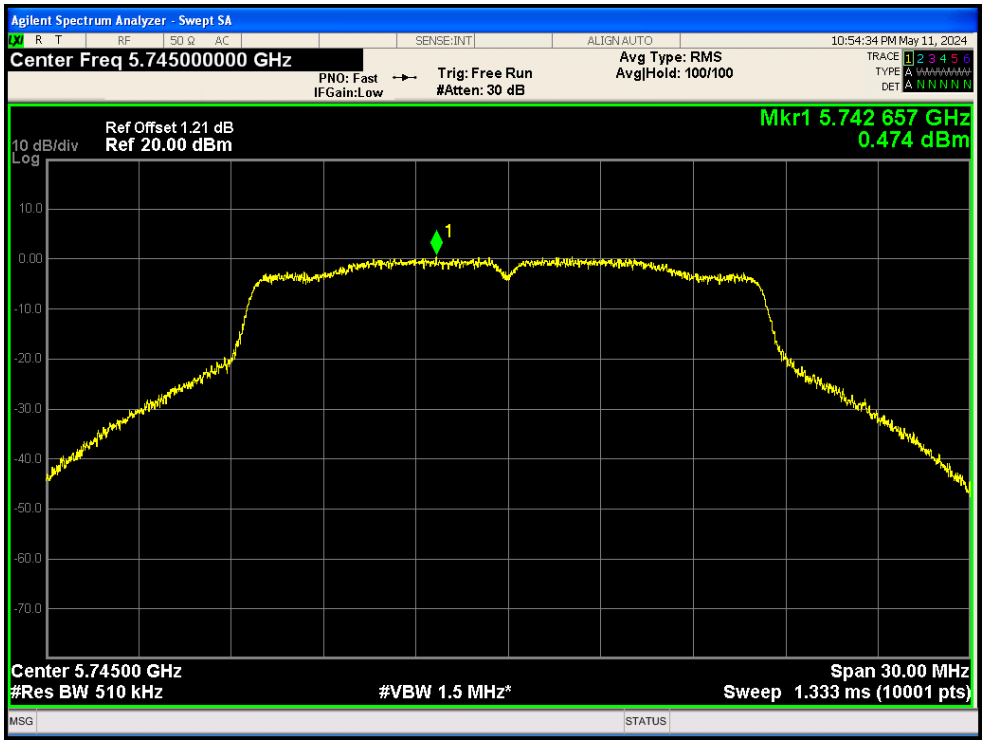
PSD NVNT a 5785MHz Ant1



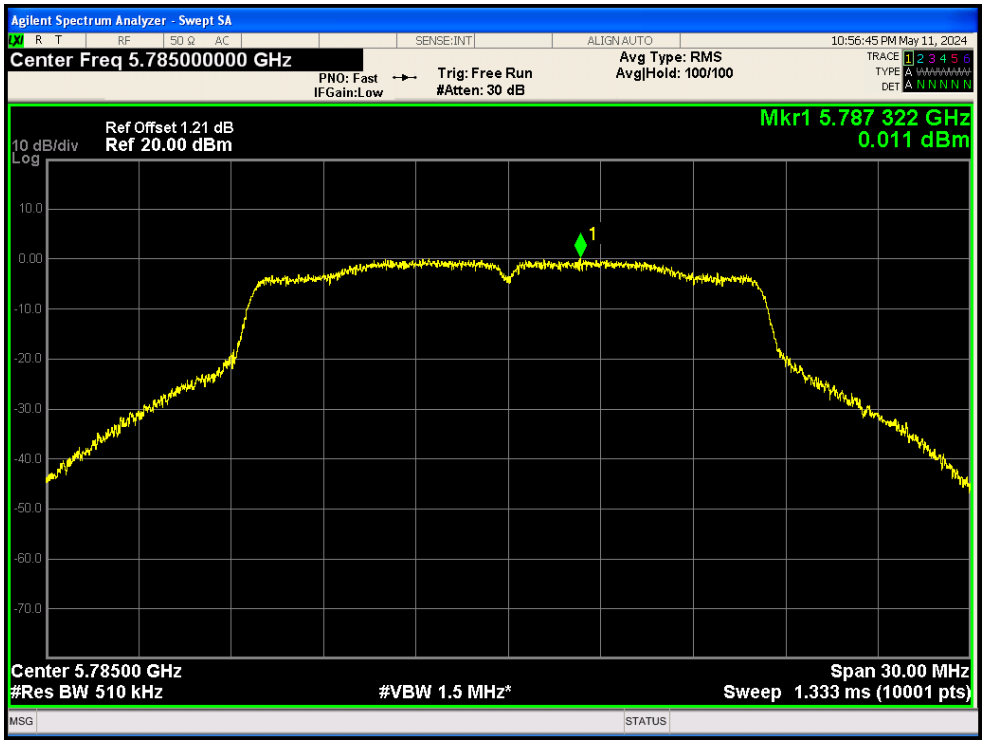
PSD NVNT a 5825MHz Ant1



PSD NVNT a 5745MHz Ant2



PSD NVNT a 5785MHz Ant2



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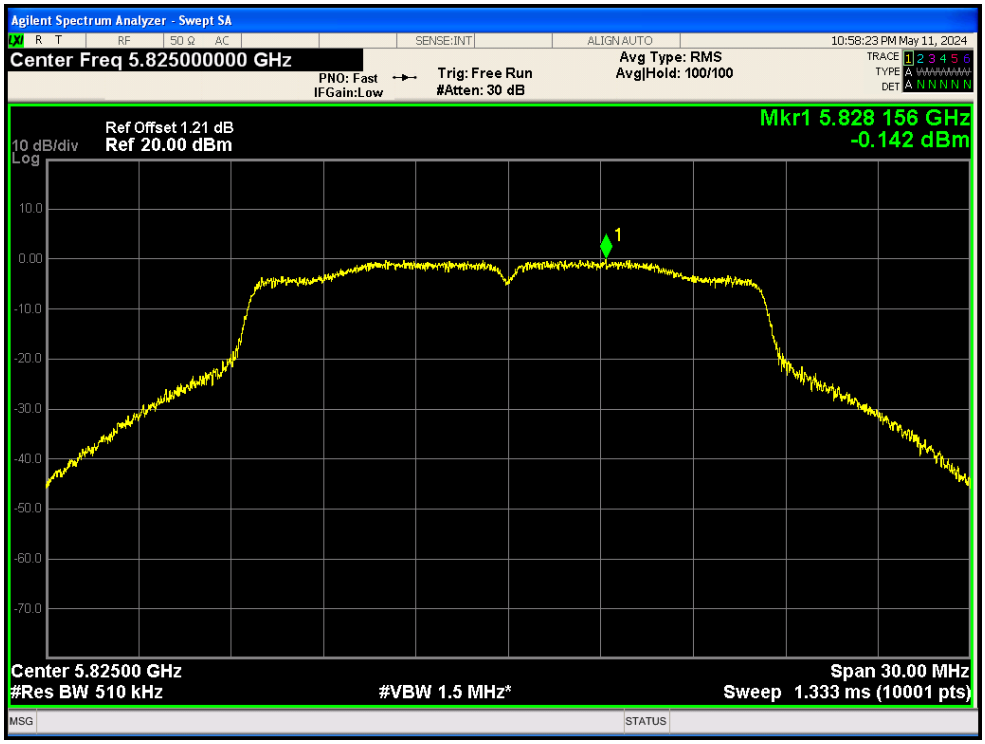
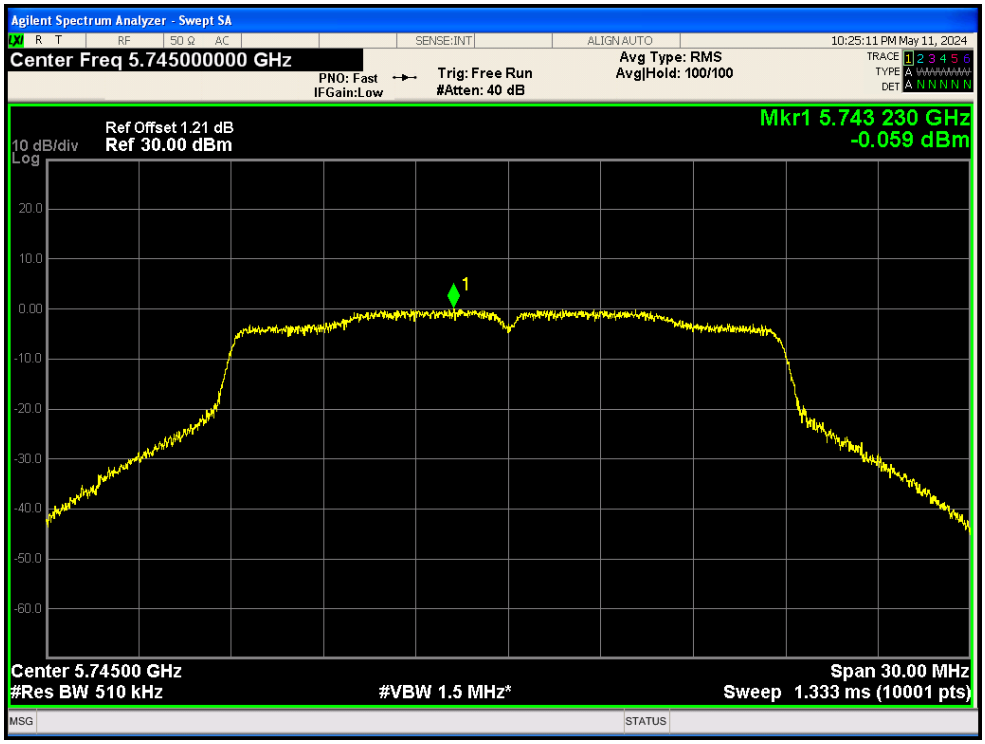
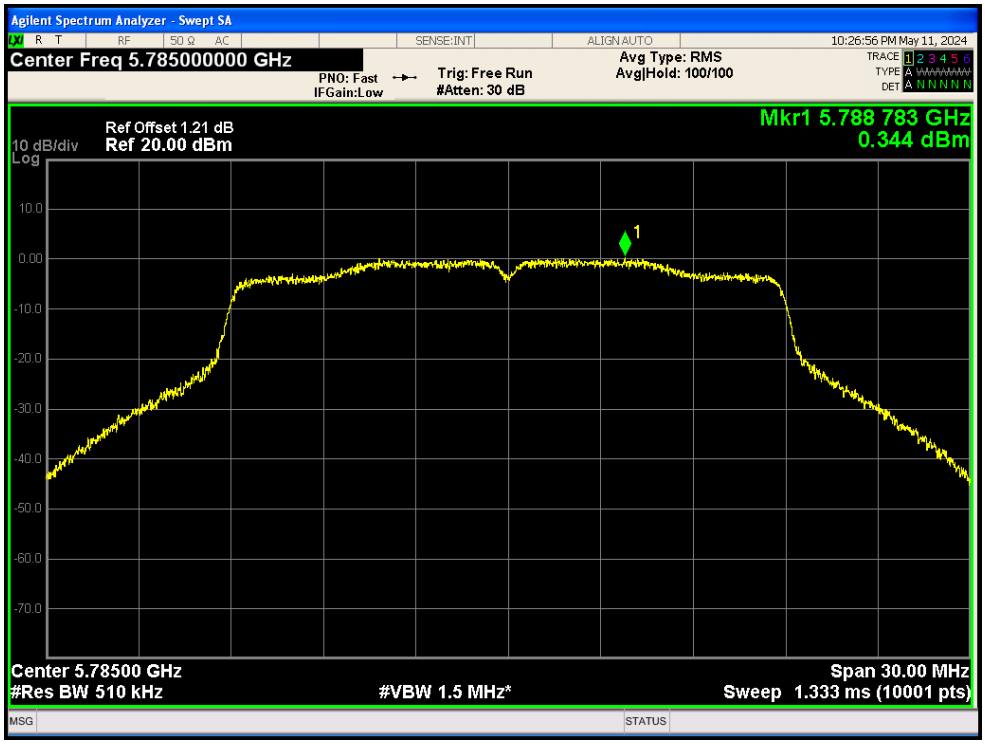


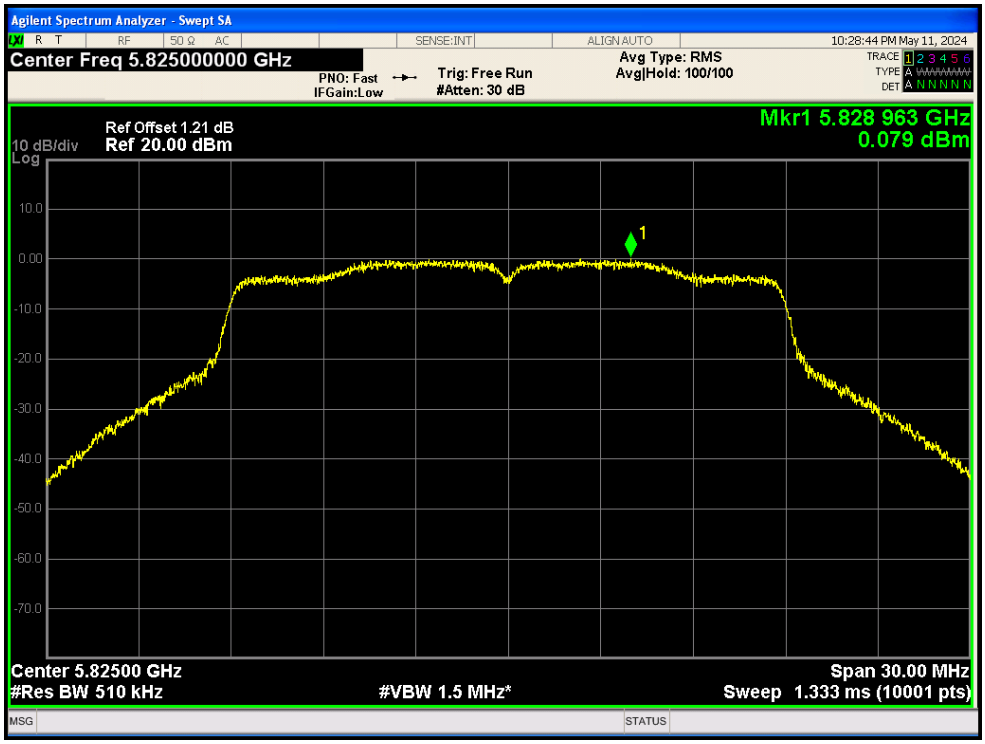
PSD NVNT ac20 5745MHz Ant1



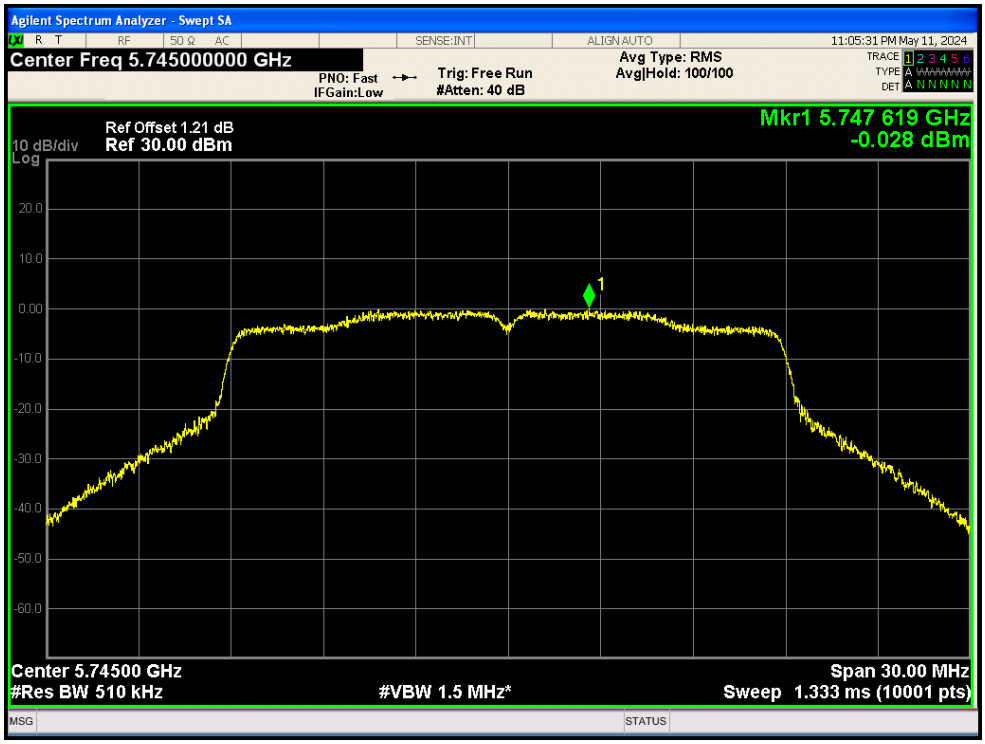
PSD NVNT ac20 5785MHz Ant1



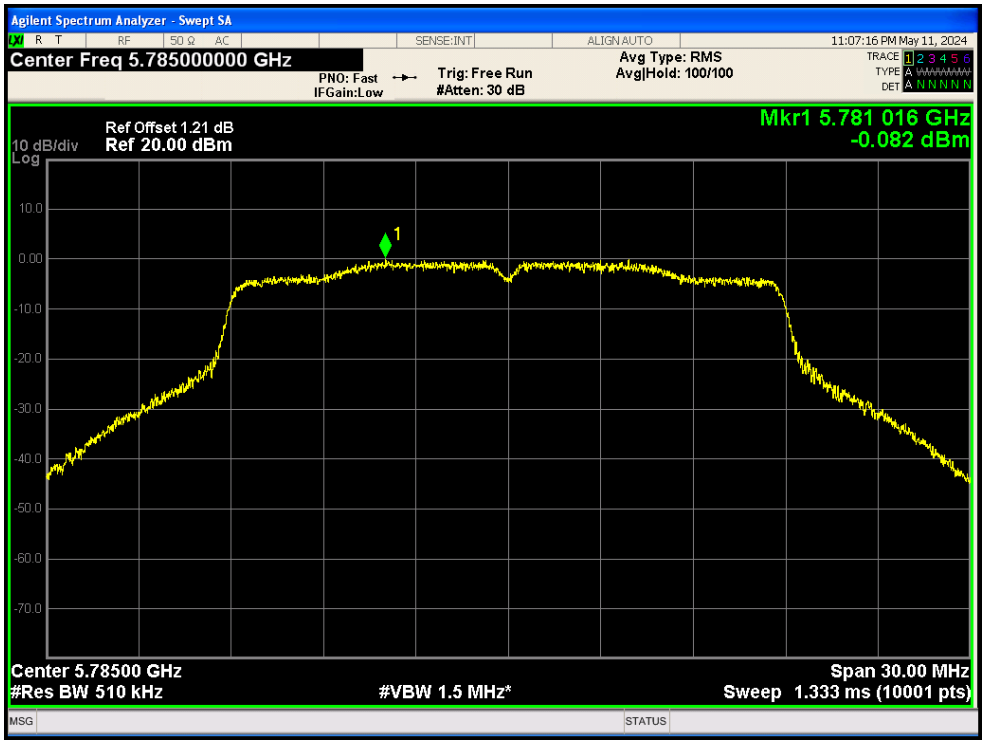
PSD NVNT ac20 5825MHz Ant1



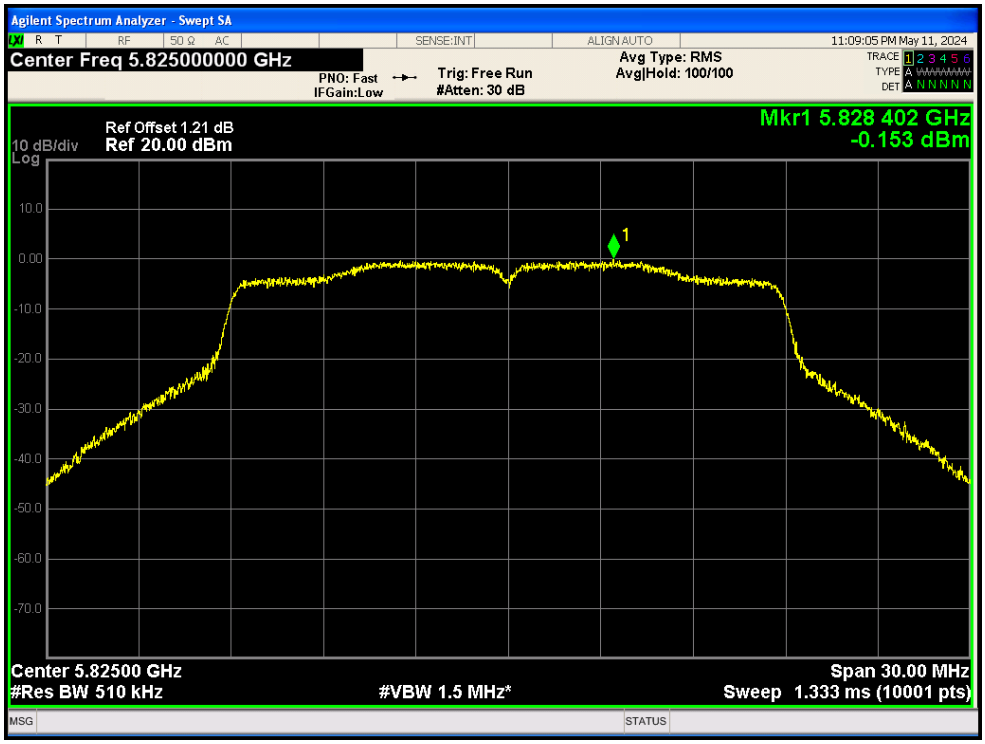
PSD NVNT ac20 5745MHz Ant2



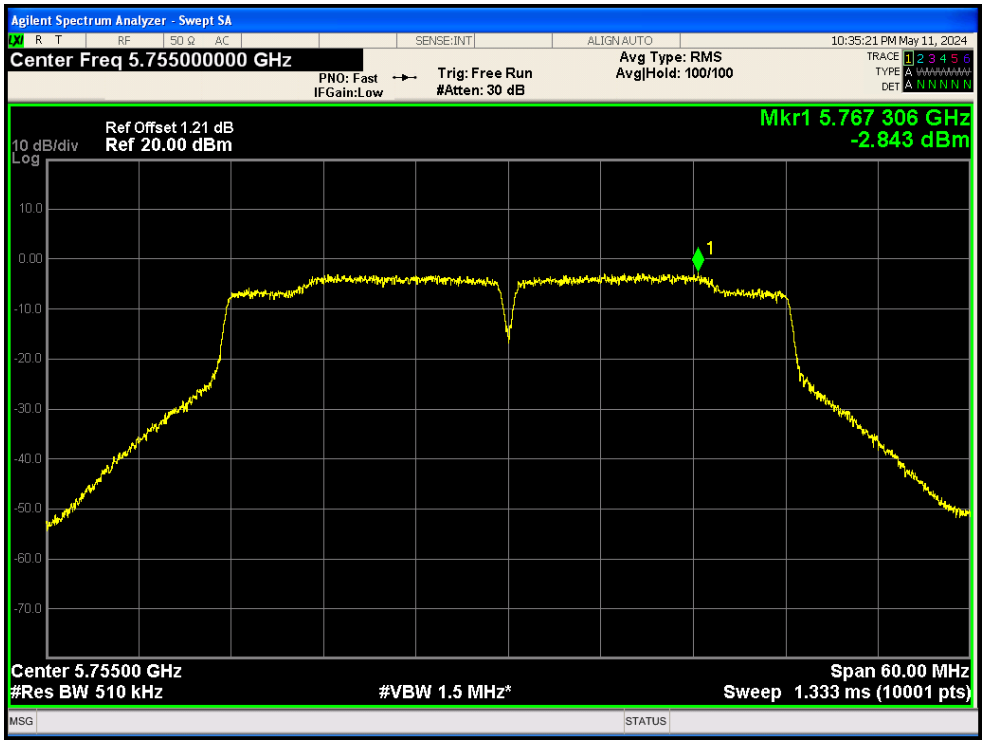
PSD NVNT ac20 5785MHz Ant2



PSD NVNT ac20 5825MHz Ant2



PSD NVNT ac40 5755MHz Ant1



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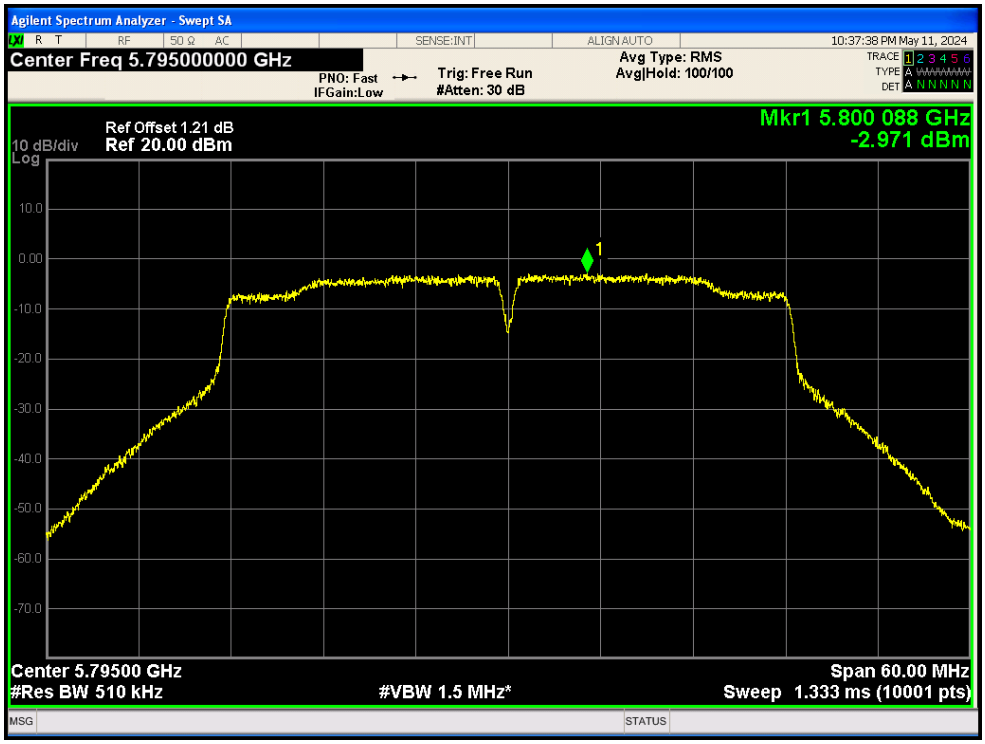

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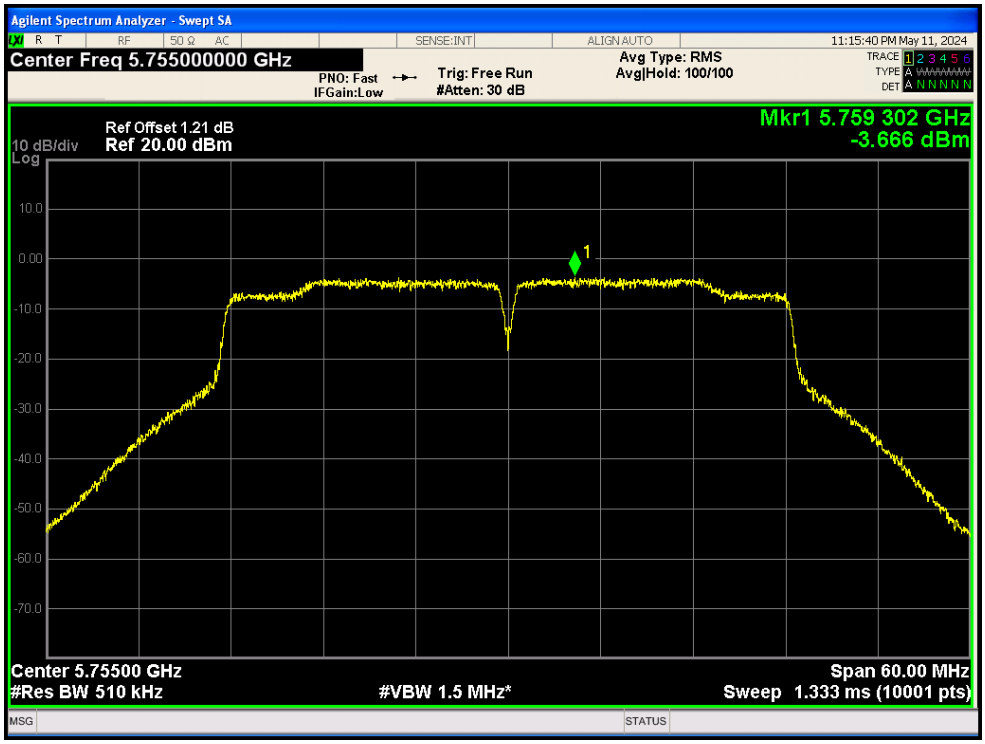

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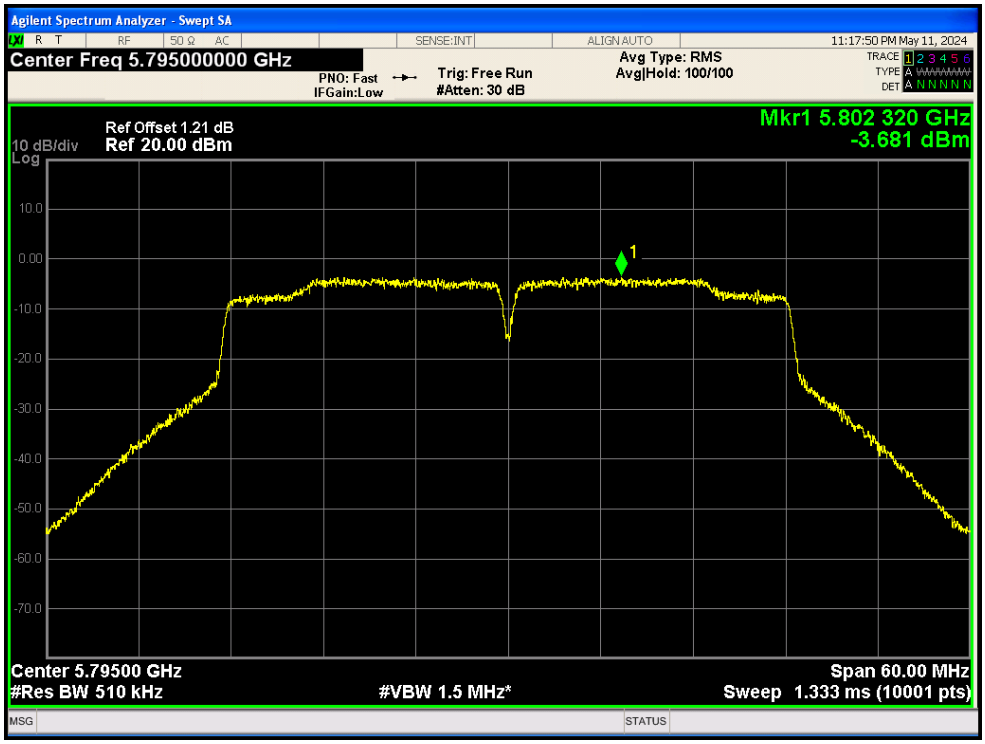

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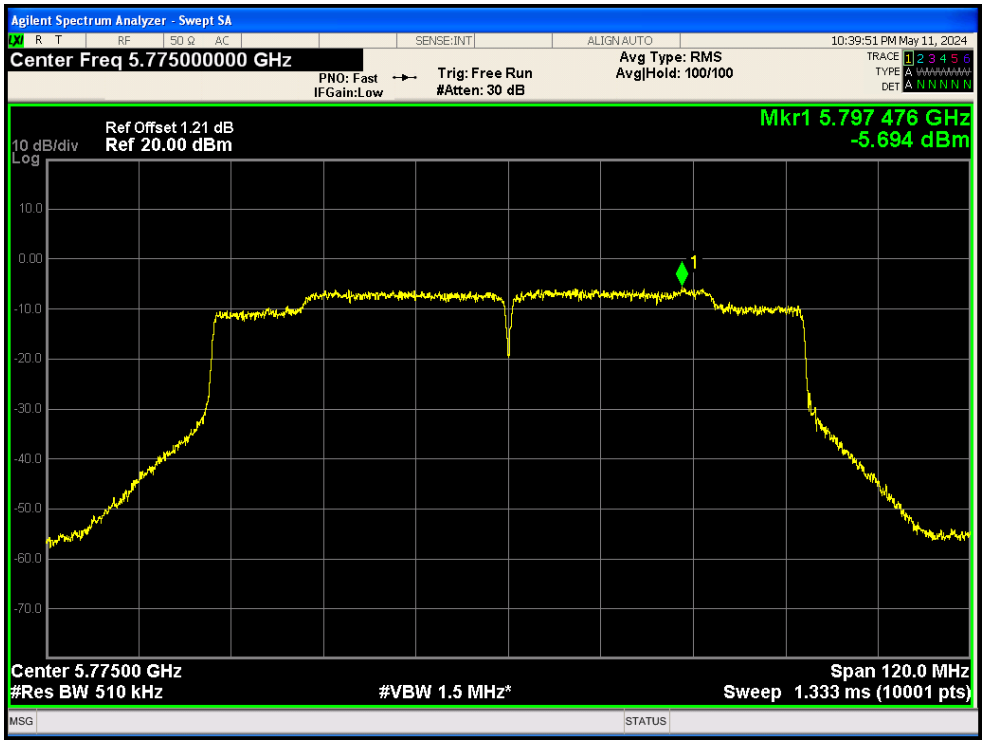
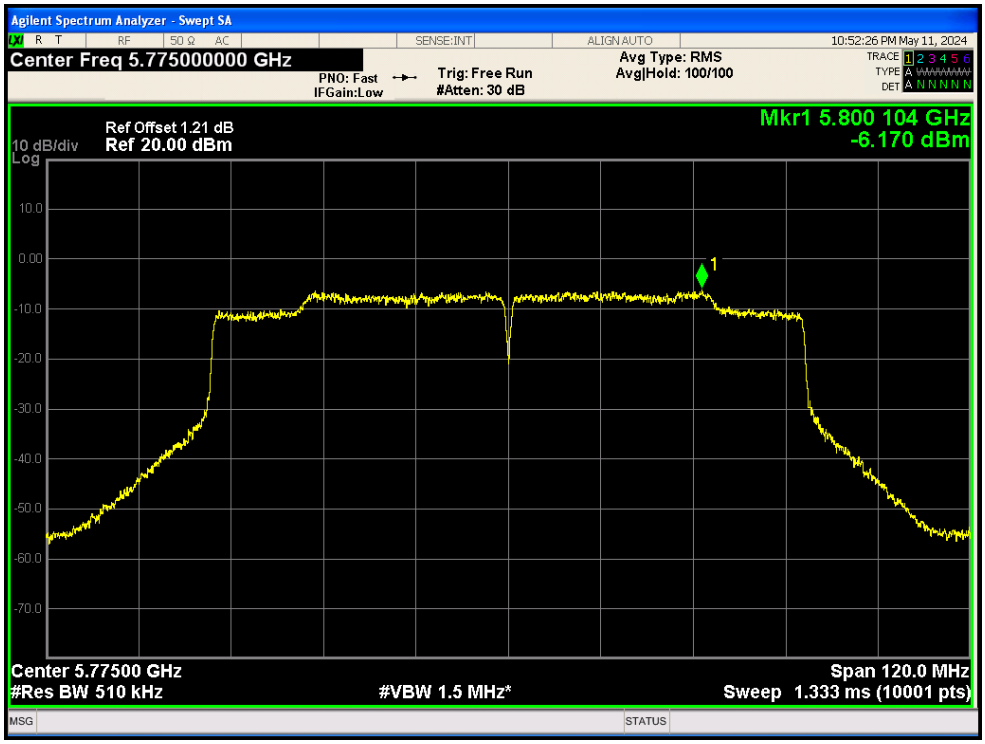
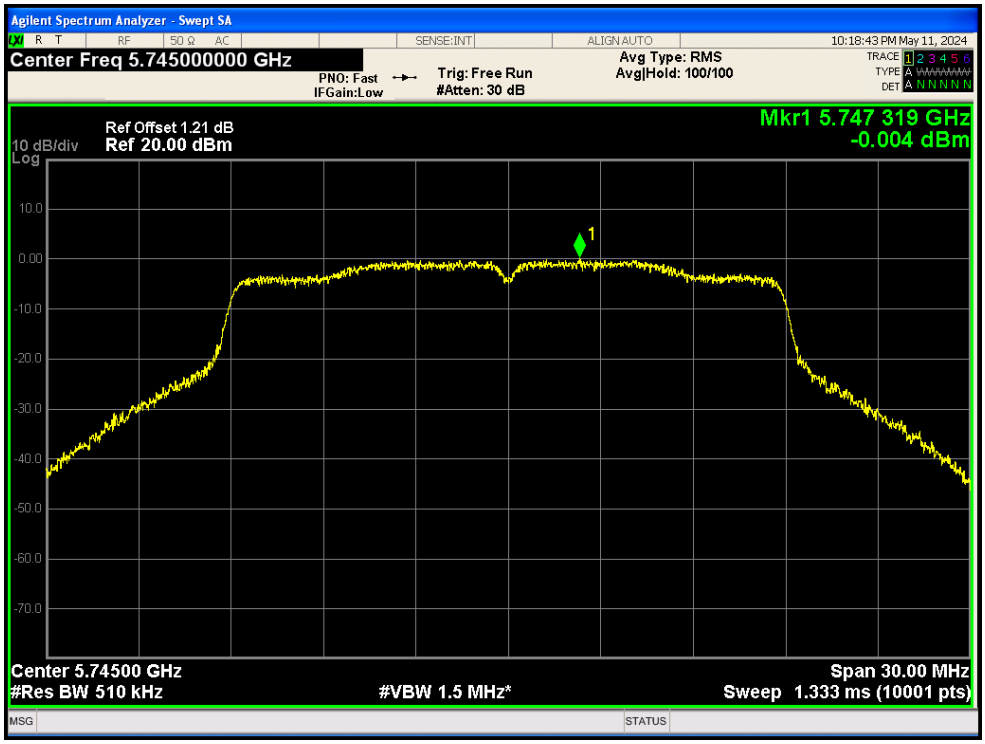


PSD NVNT ac80 5775MHz Ant2



PSD NVNT n20 5745MHz Ant1



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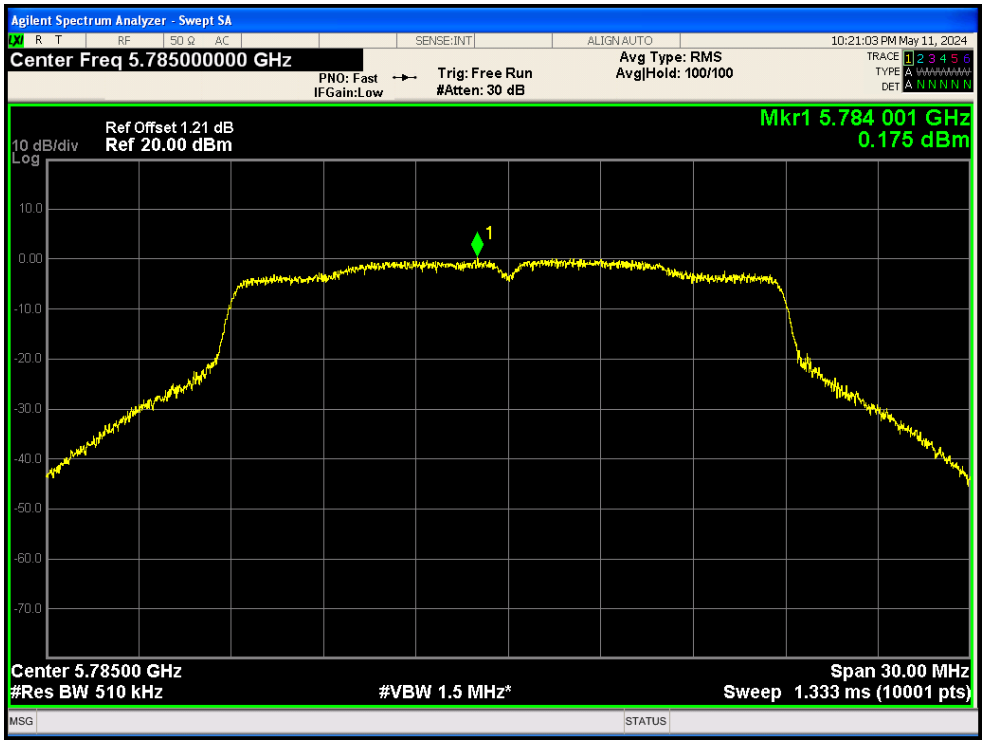

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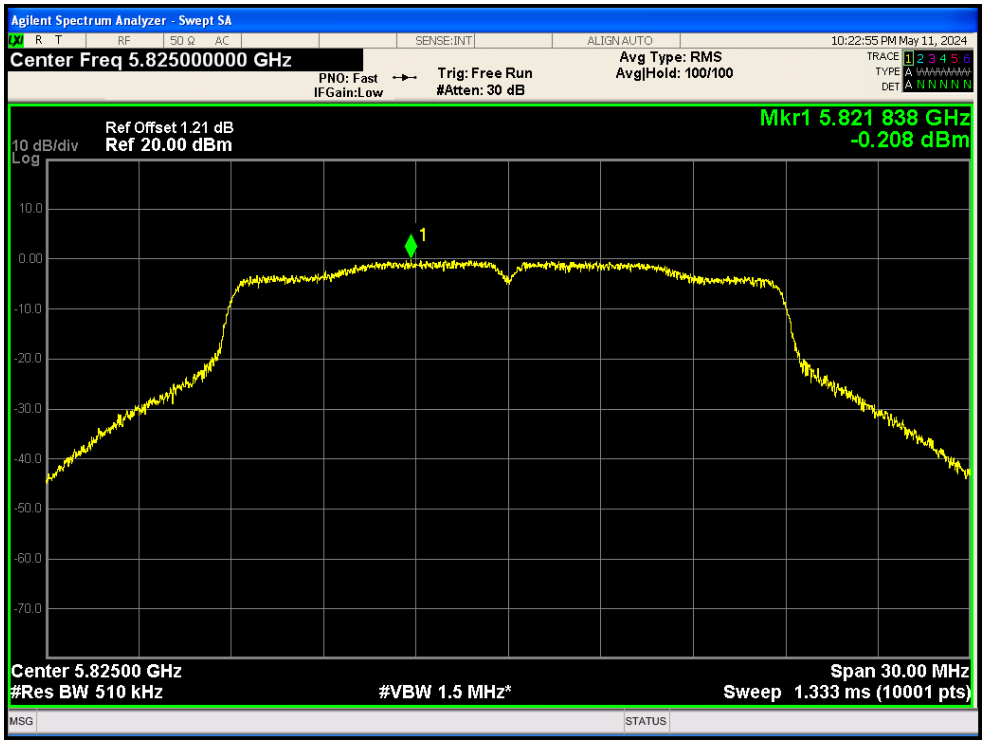
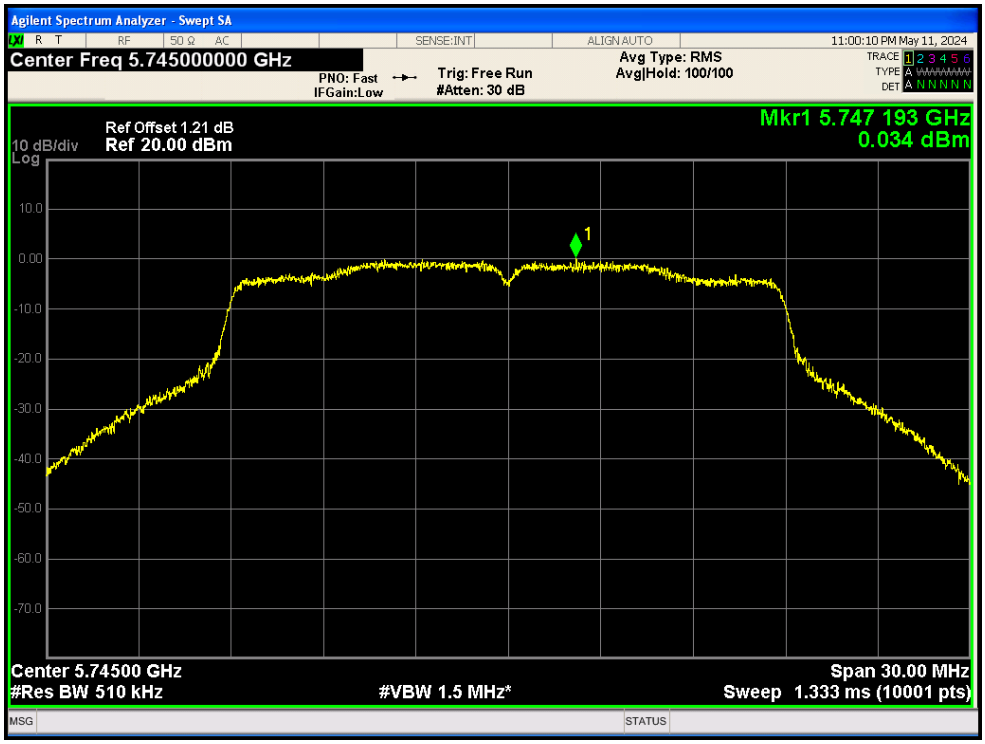
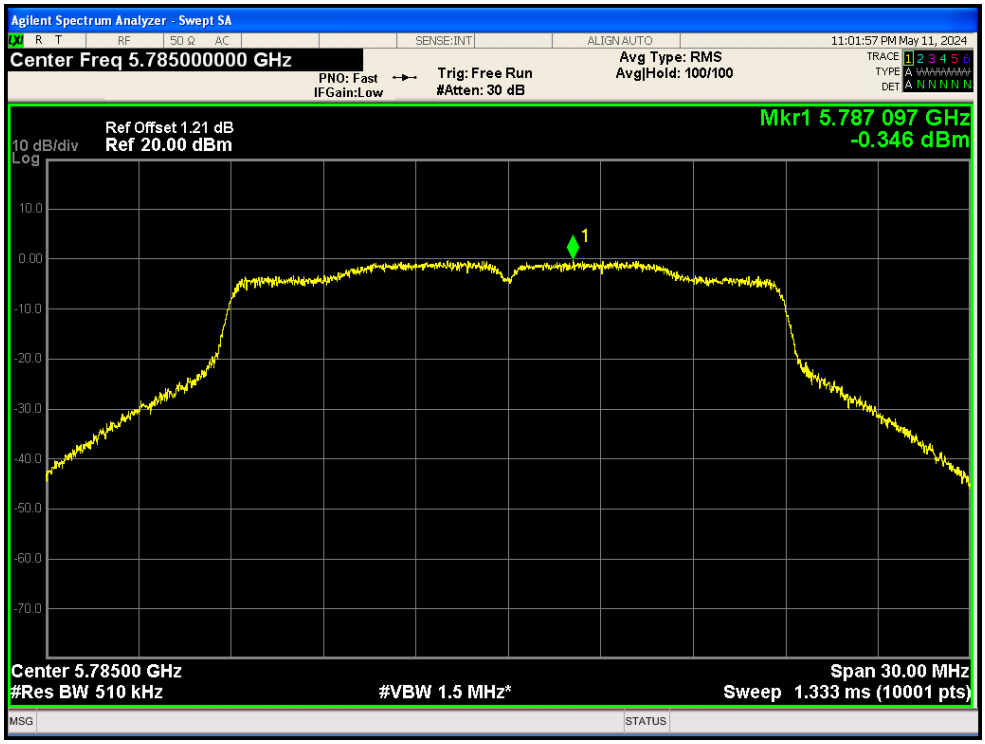


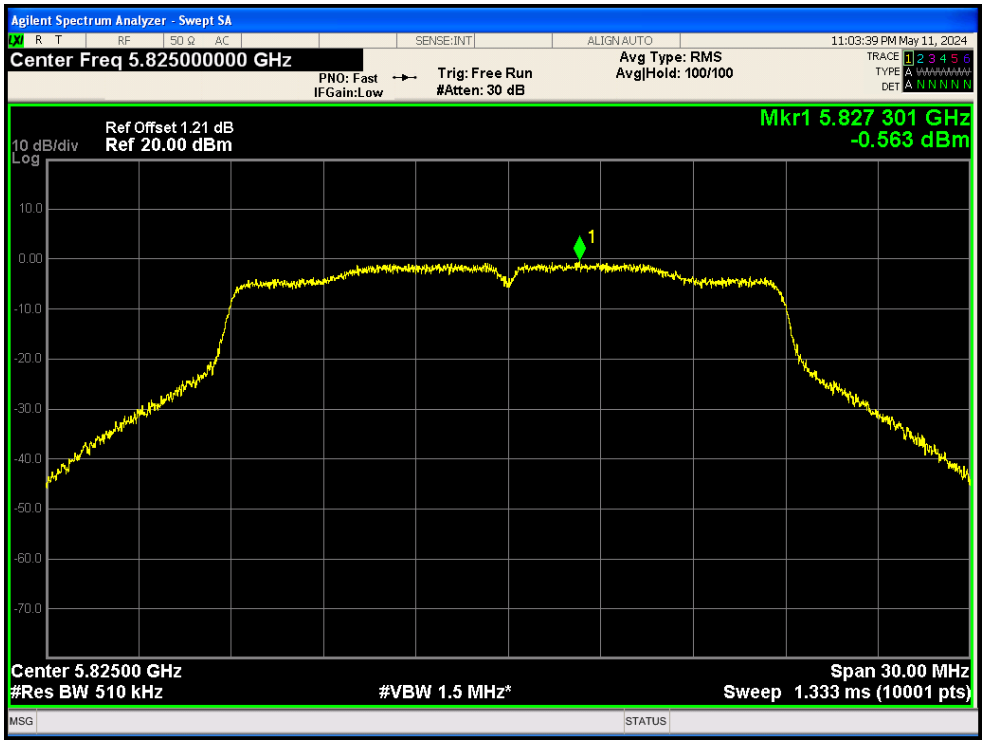
PSD NVNT n20 5745MHz Ant2



PSD NVNT n20 5785MHz Ant2



PSD NVNT n20 5825MHz Ant2



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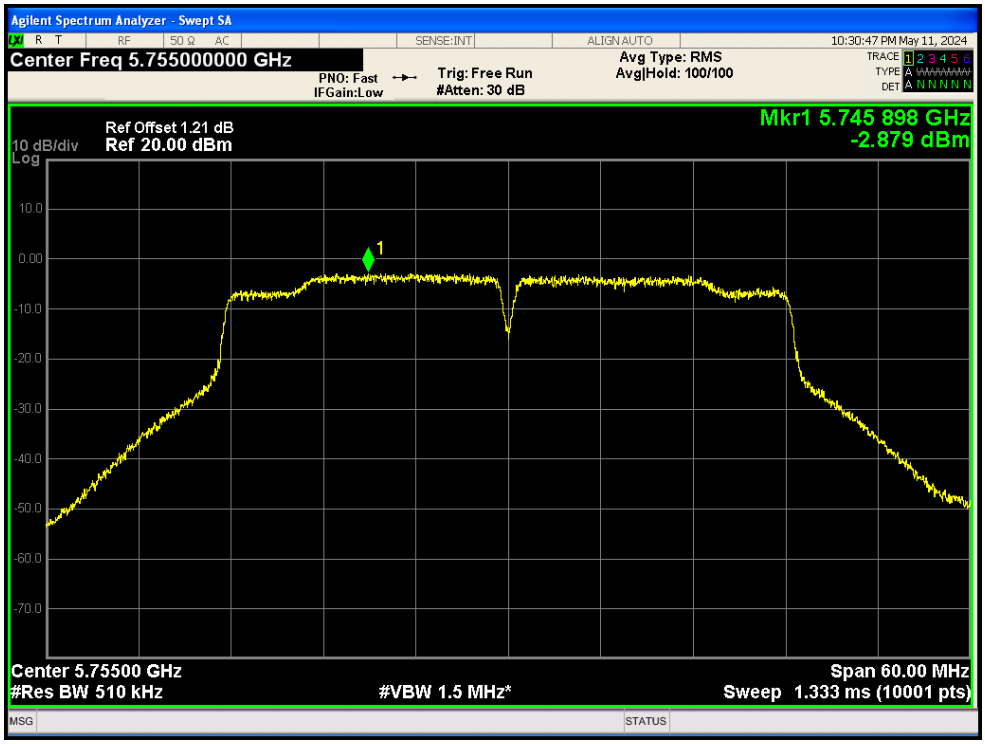
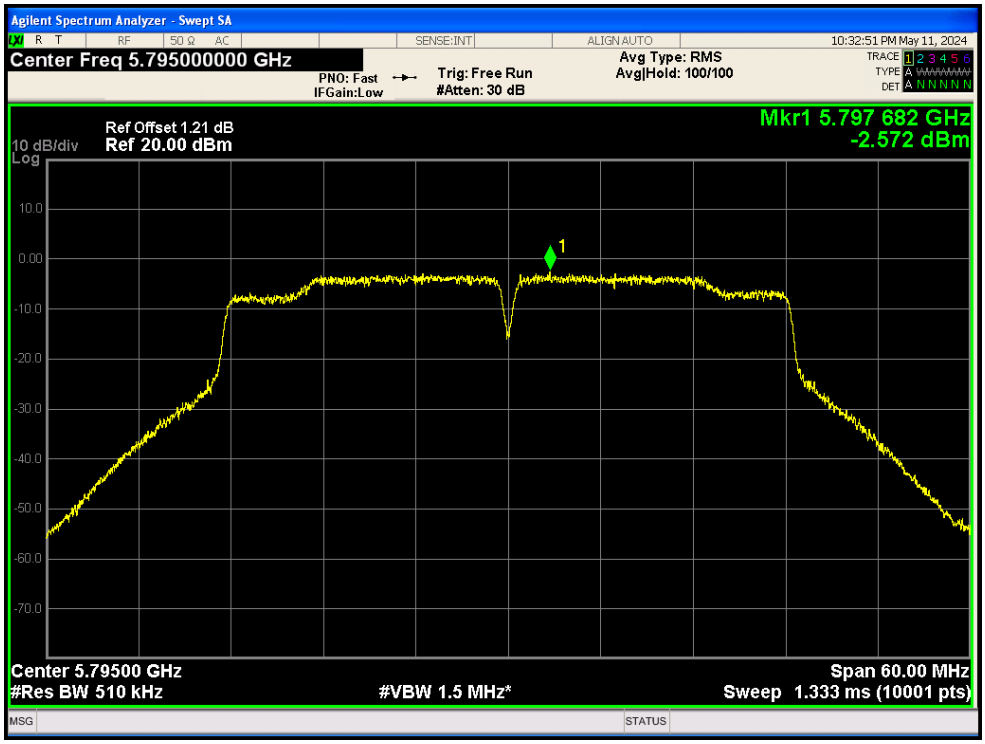
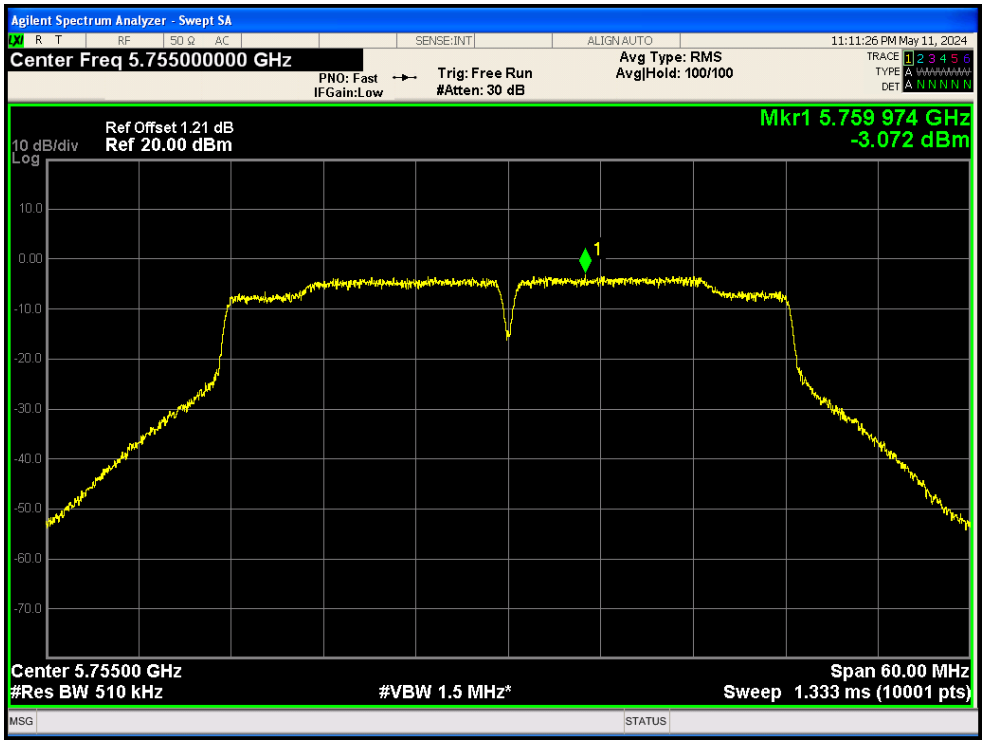


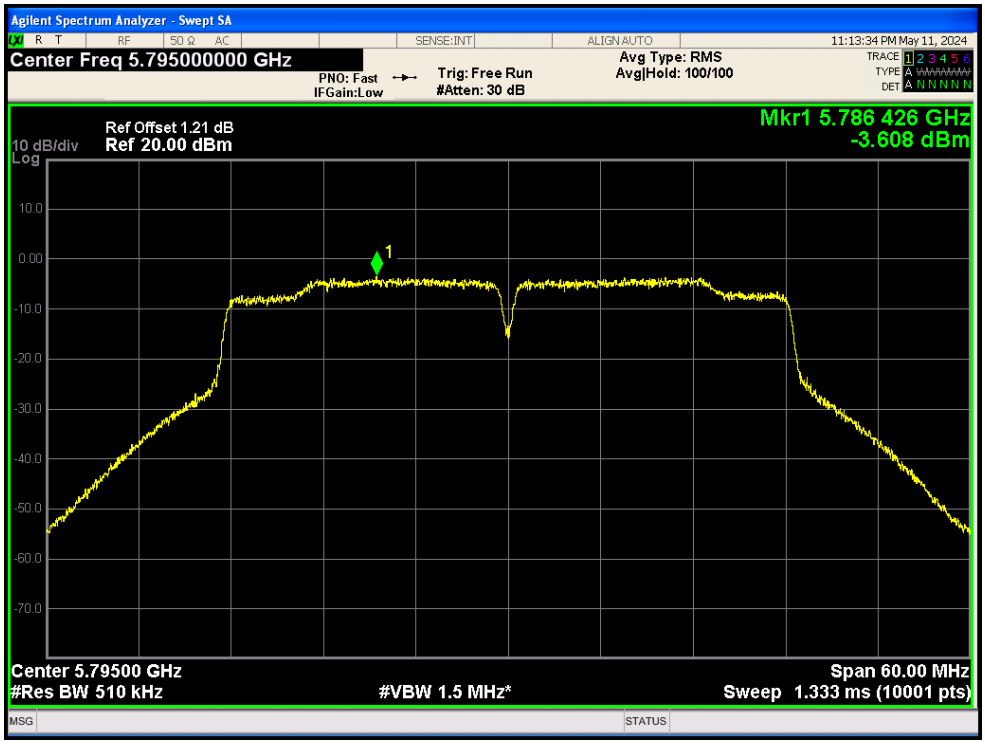
PSD NVNT n40 5795MHz Ant1



PSD NVNT n40 5755MHz Ant2



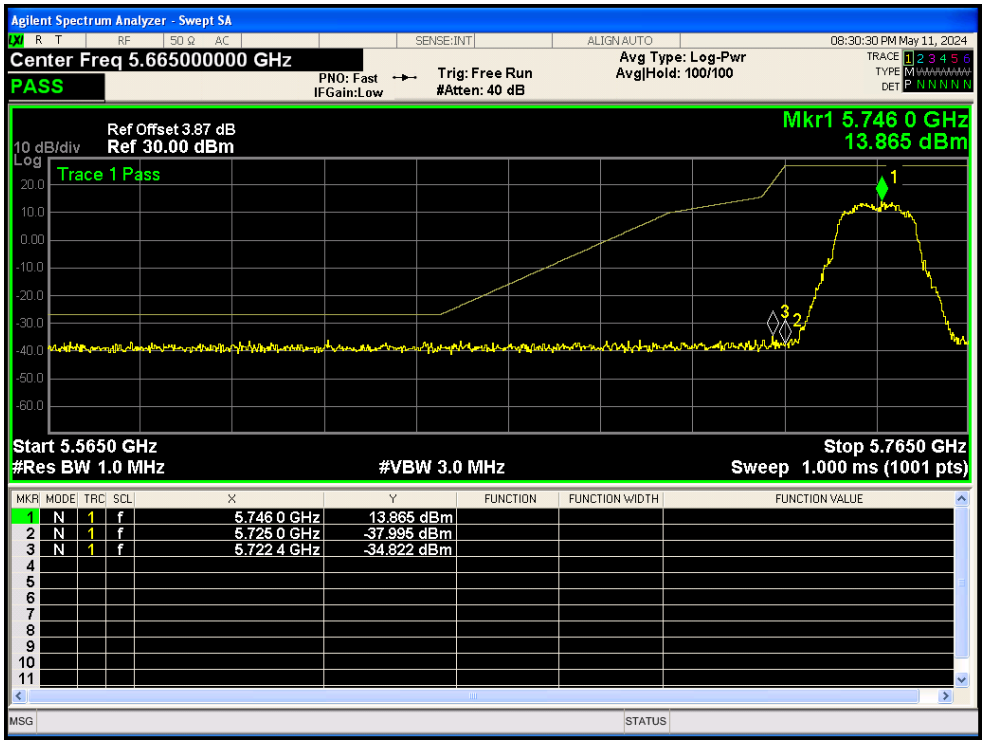
PSD NVNT n40 5795MHz Ant2



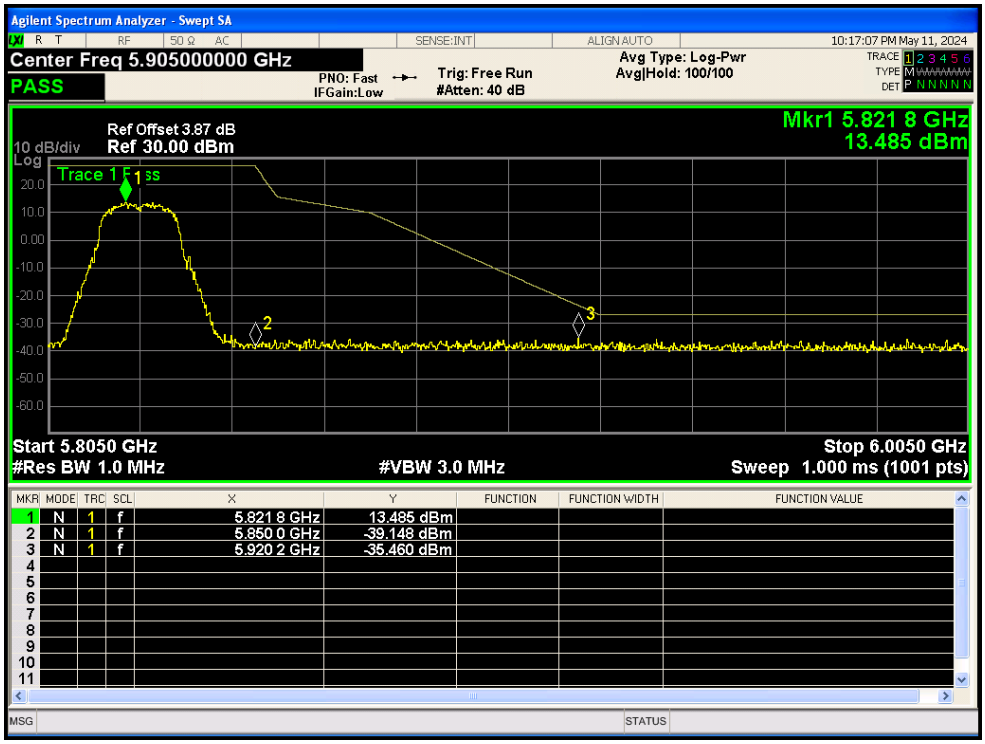
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-34.82	Pass
NVNT	a	5825	Ant1	-35.45	Pass
NVNT	a	5745	Ant2	-34.01	Pass
NVNT	a	5825	Ant2	-33.33	Pass
NVNT	ac20	5745	Ant1	-34.88	Pass
NVNT	ac20	5825	Ant1	-35.13	Pass
NVNT	ac20	5745	Ant2	-33.54	Pass
NVNT	ac20	5825	Ant2	-32.57	Pass
NVNT	ac40	5755	Ant1	-34.77	Pass
NVNT	ac40	5795	Ant1	-34.55	Pass
NVNT	ac40	5755	Ant2	-33.05	Pass
NVNT	ac40	5795	Ant2	-33.17	Pass
NVNT	ac80	5775	Ant1	-34.85	Pass
NVNT	ac80	5775	Ant2	-33.39	Pass
NVNT	n20	5745	Ant1	-35.56	Pass
NVNT	n20	5825	Ant1	-35.33	Pass
NVNT	n20	5745	Ant2	-31.94	Pass
NVNT	n20	5825	Ant2	-32.53	Pass
NVNT	n40	5755	Ant1	-35.5	Pass
NVNT	n40	5795	Ant1	-34.68	Pass
NVNT	n40	5755	Ant2	-31.31	Pass
NVNT	n40	5795	Ant2	-33.47	Pass

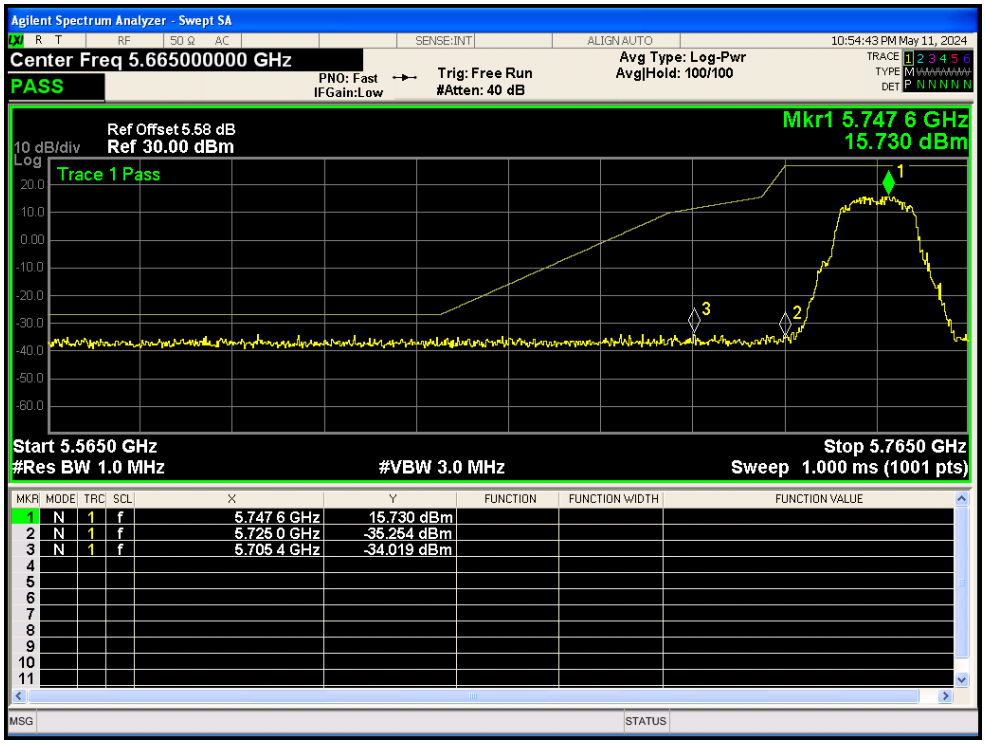
Band Edge NVNT a 5745MHz Low Ant1



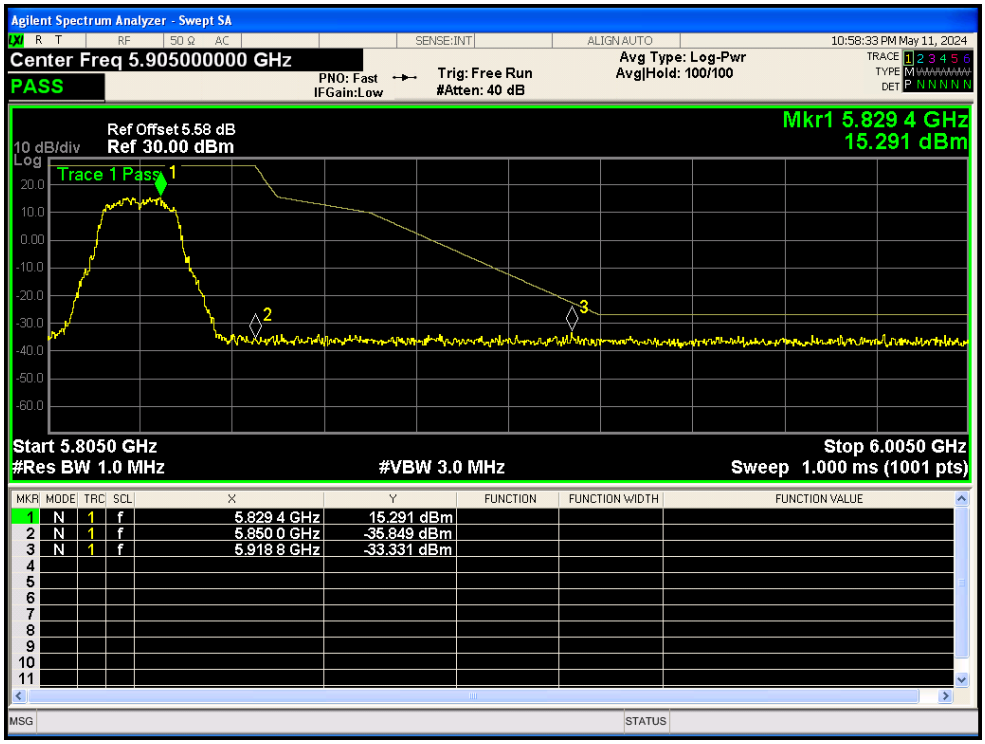
Band Edge NVNT a 5825MHz High Ant1



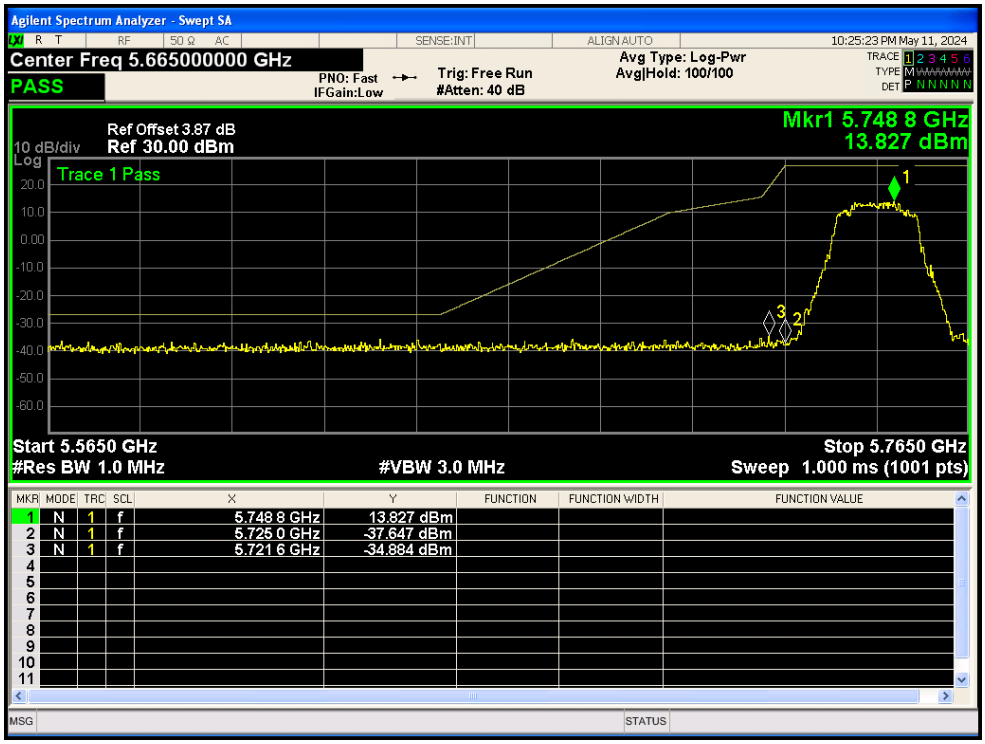
Band Edge NVNT a 5745MHz Low Ant2



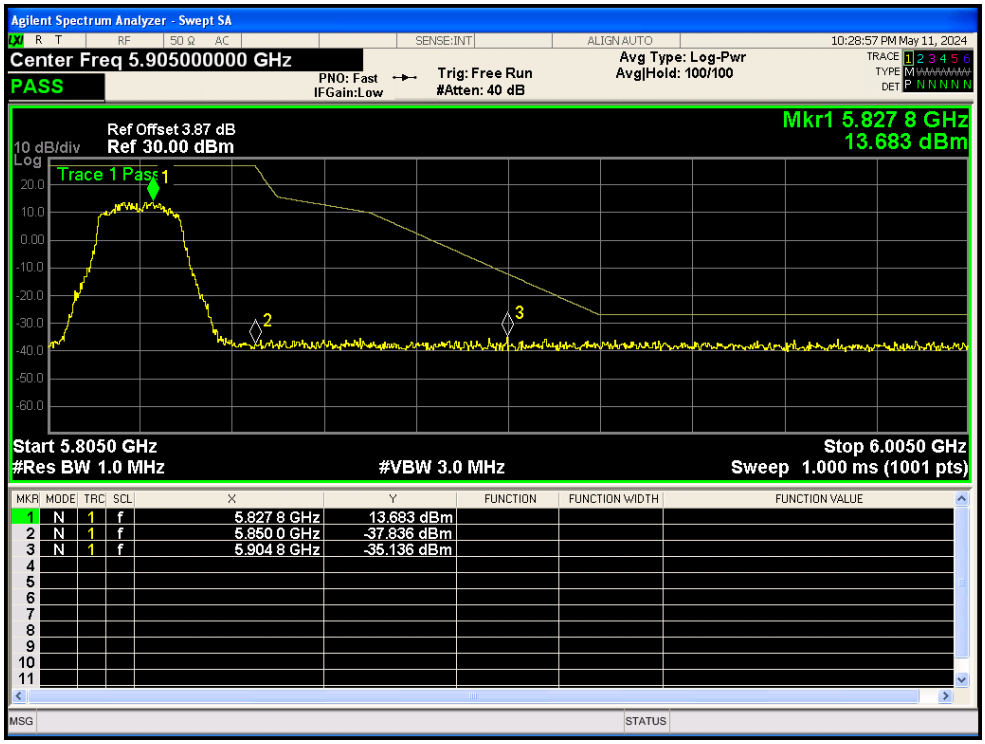
Band Edge NVNT a 5825MHz High Ant2



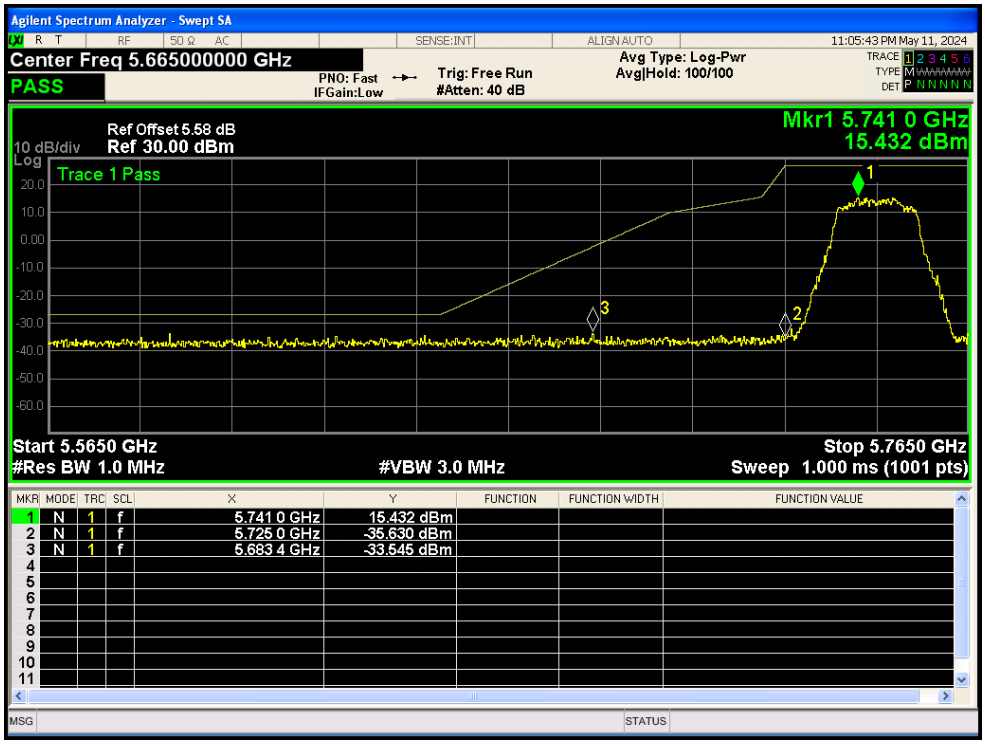
Band Edge NVNT ac20 5745MHz Low Ant1



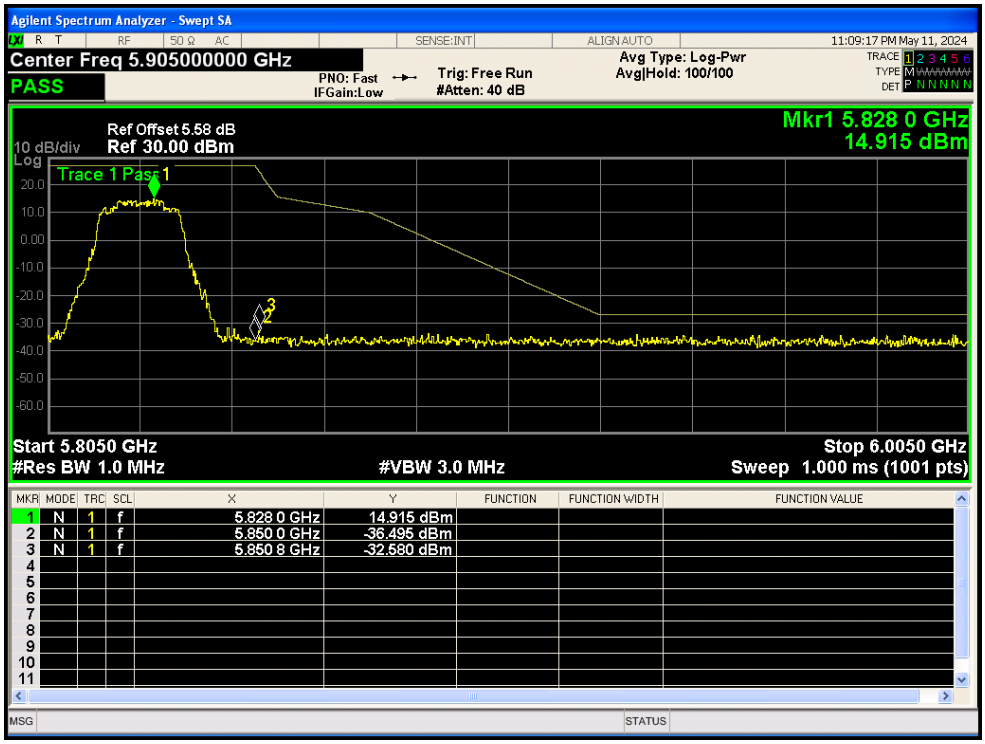
Band Edge NVNT ac20 5825MHz High Ant1



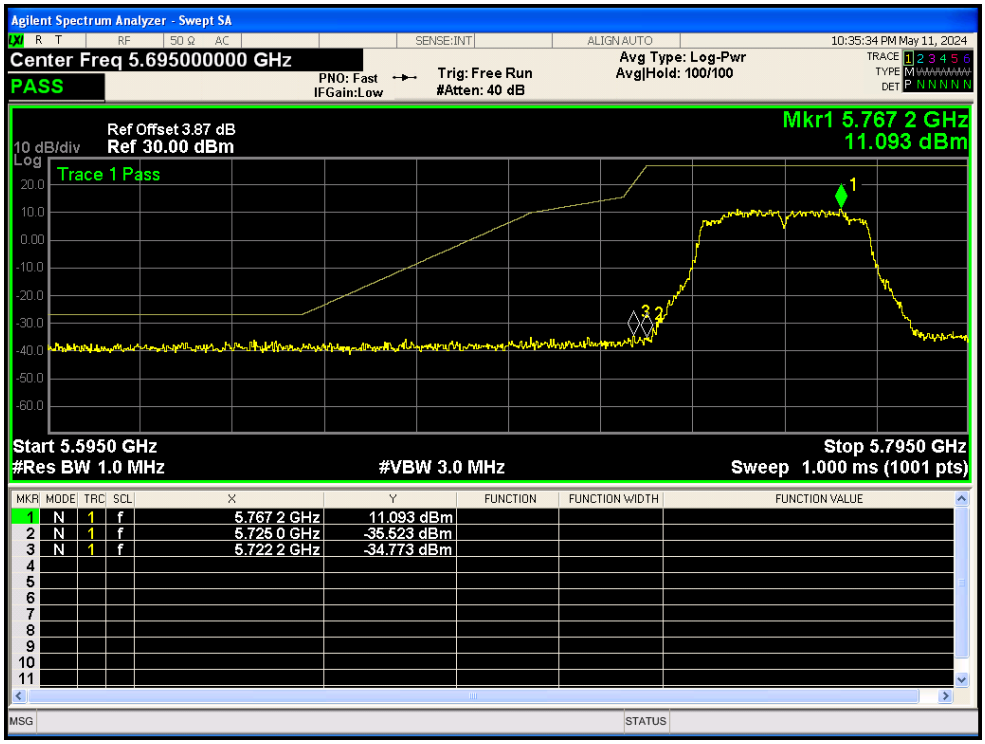
Band Edge NVNT ac20 5745MHz Low Ant2



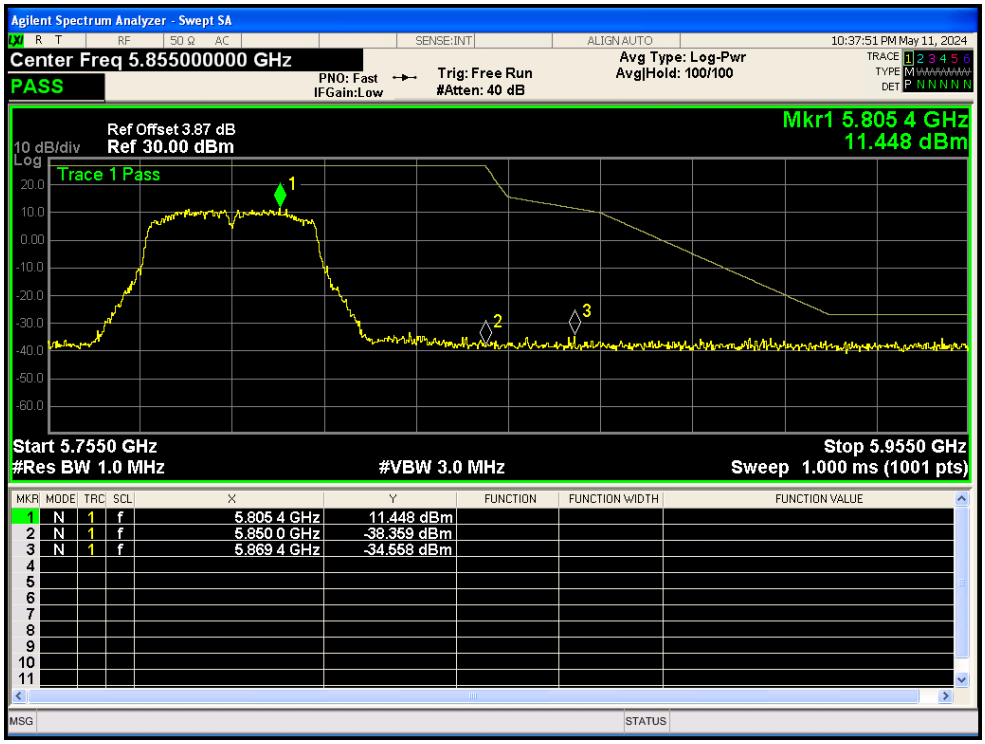
Band Edge NVNT ac20 5825MHz High Ant2



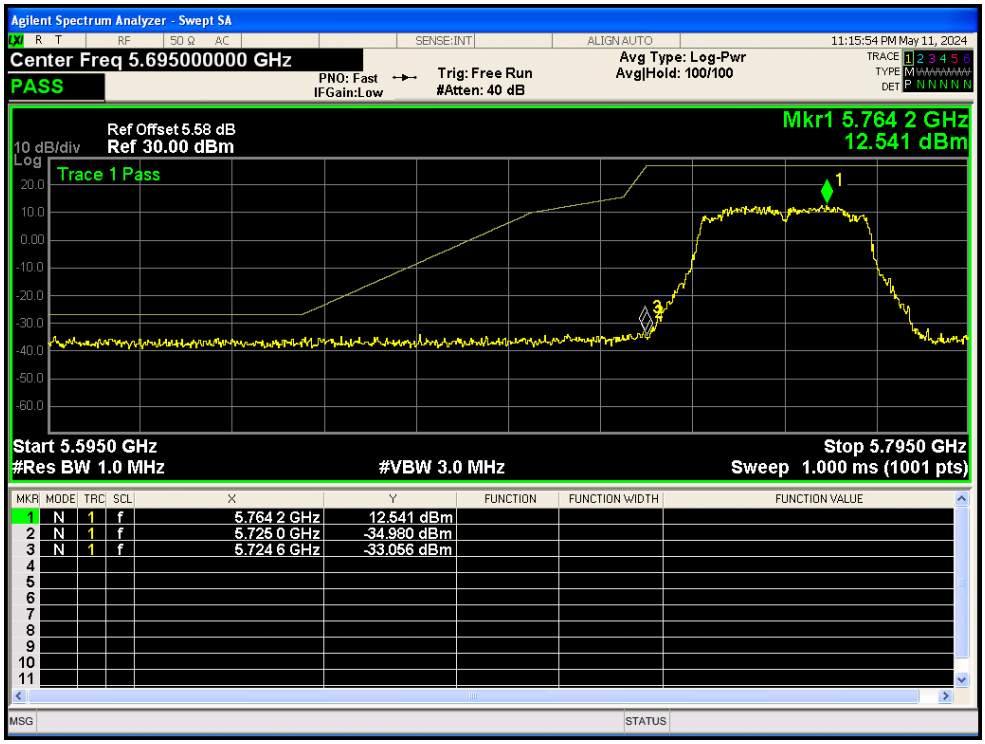
Band Edge NVNT ac40 5755MHz Low Ant1



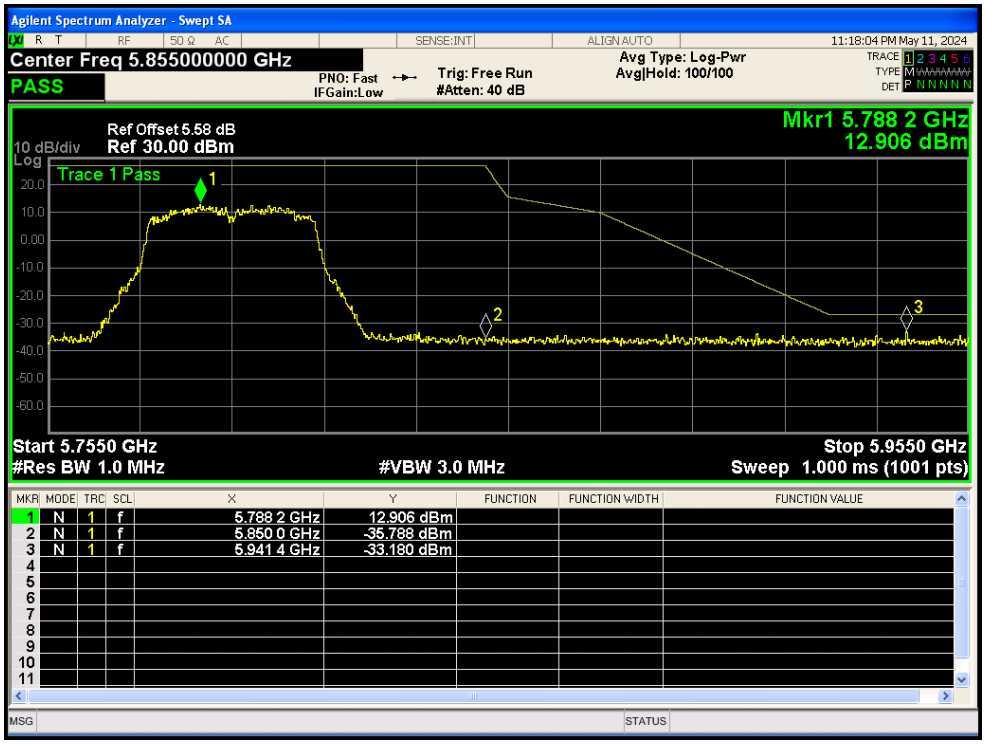
Band Edge NVNT ac40 5795MHz High Ant1



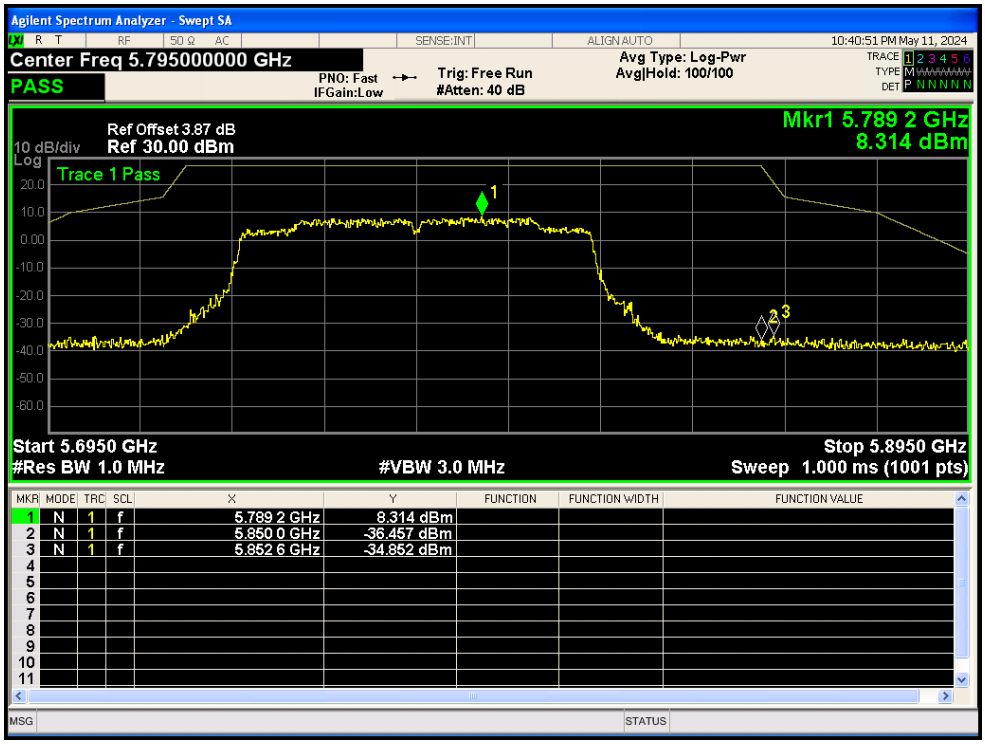
Band Edge NVNT ac40 5755MHz Low Ant2



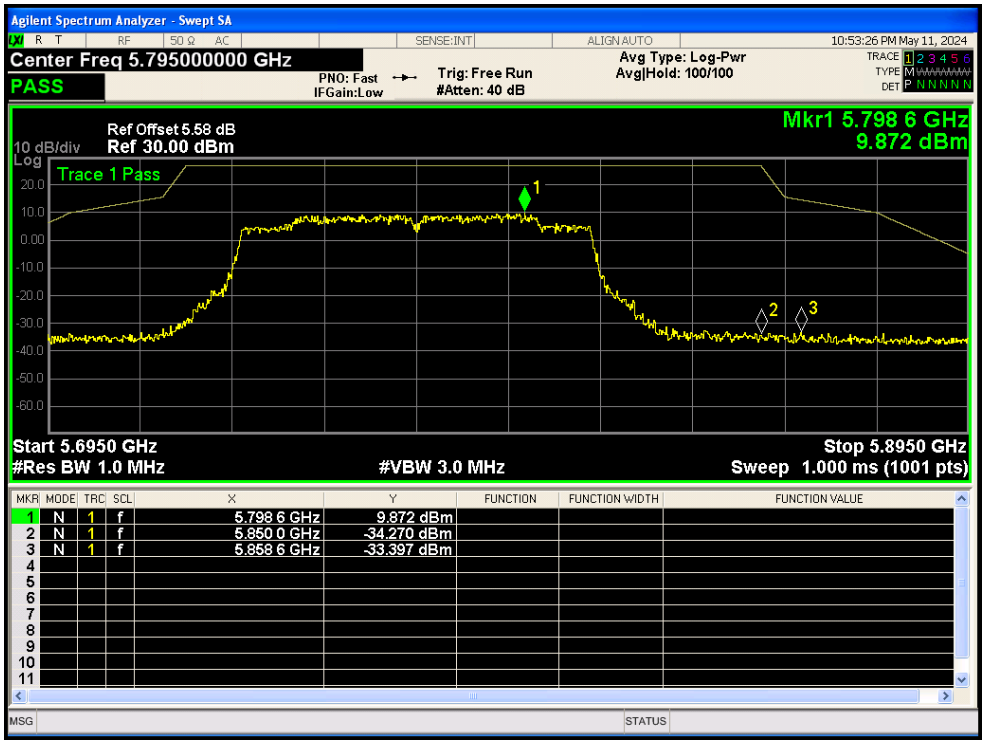
Band Edge NVNT ac40 5795MHz High Ant2



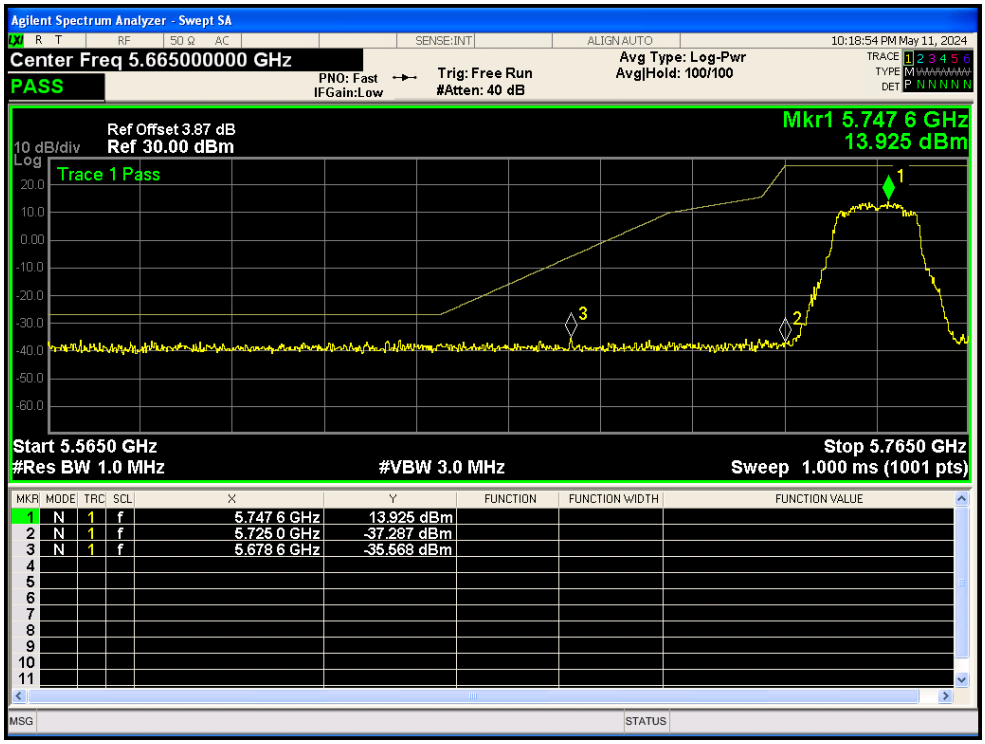
Band Edge NVNT ac80 5775MHz High Ant1



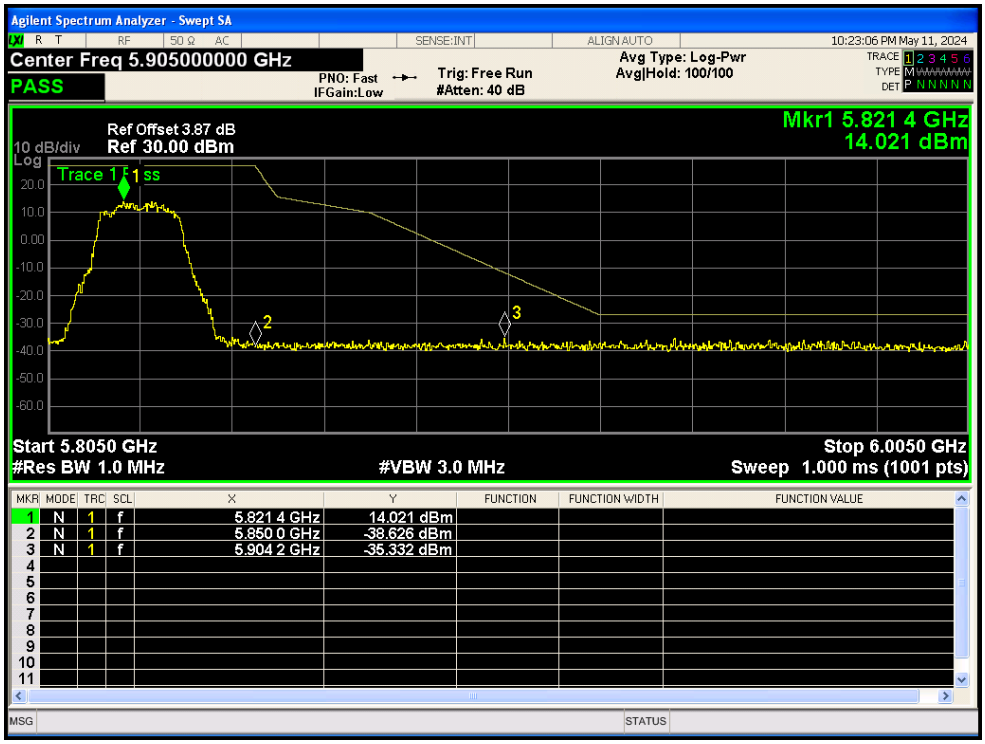
Band Edge NVNT ac80 5775MHz High Ant2



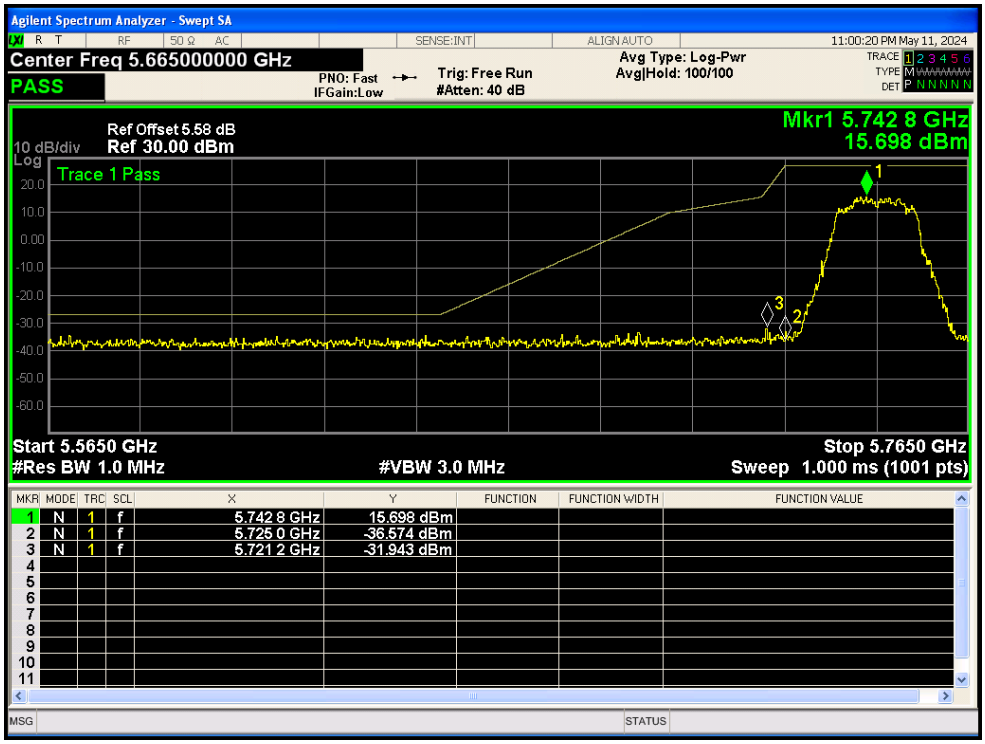
Band Edge NVNT n20 5745MHz Low Ant1



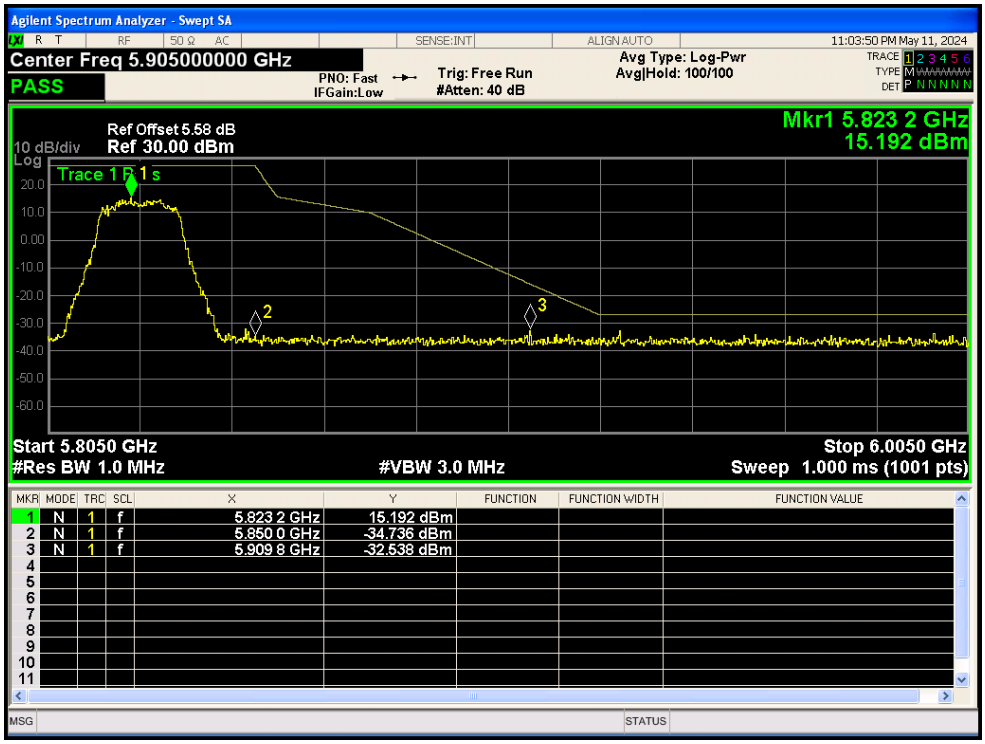
Band Edge NVNT n20 5825MHz High Ant1



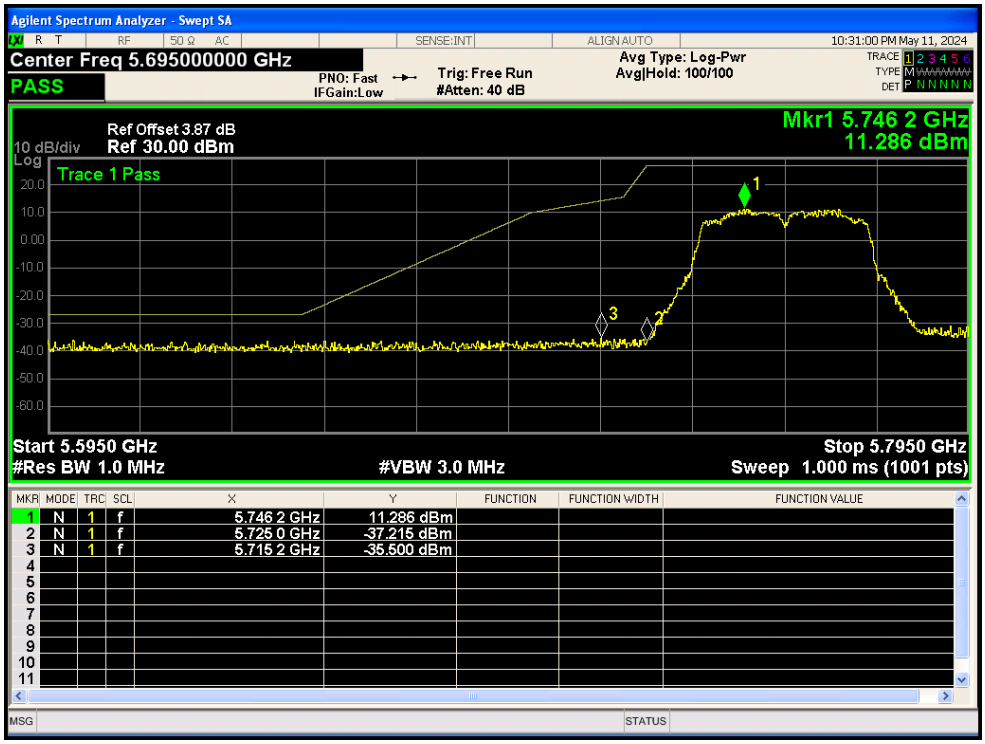
Band Edge NVNT n20 5745MHz Low Ant2



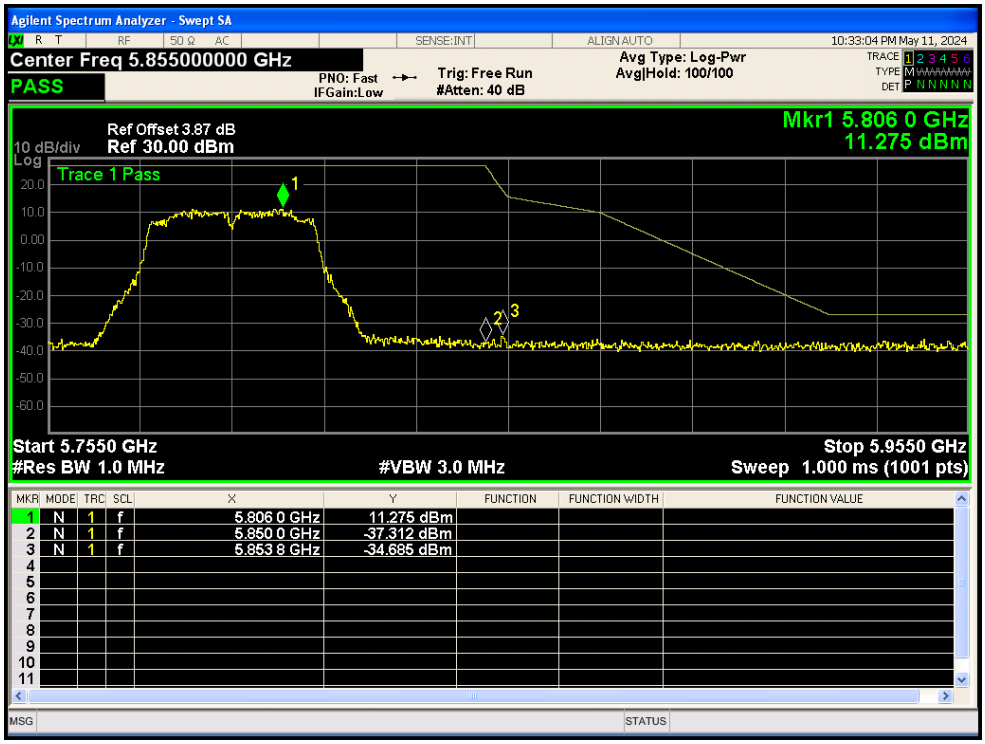
Band Edge NVNT n20 5825MHz High Ant2



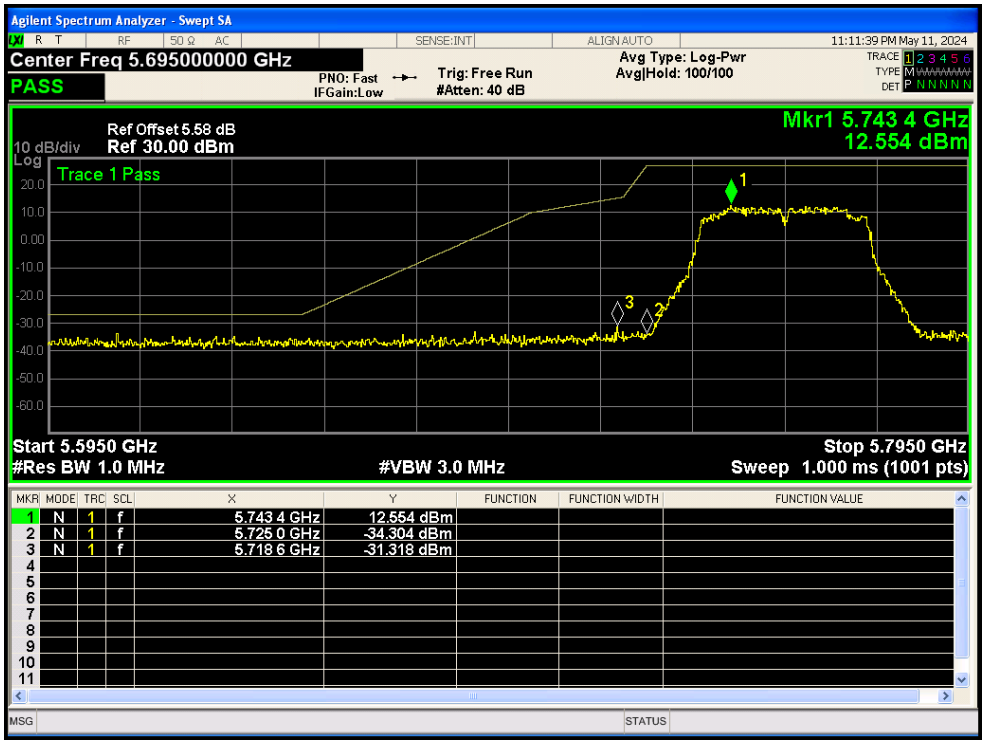
Band Edge NVNT n40 5755MHz Low Ant1



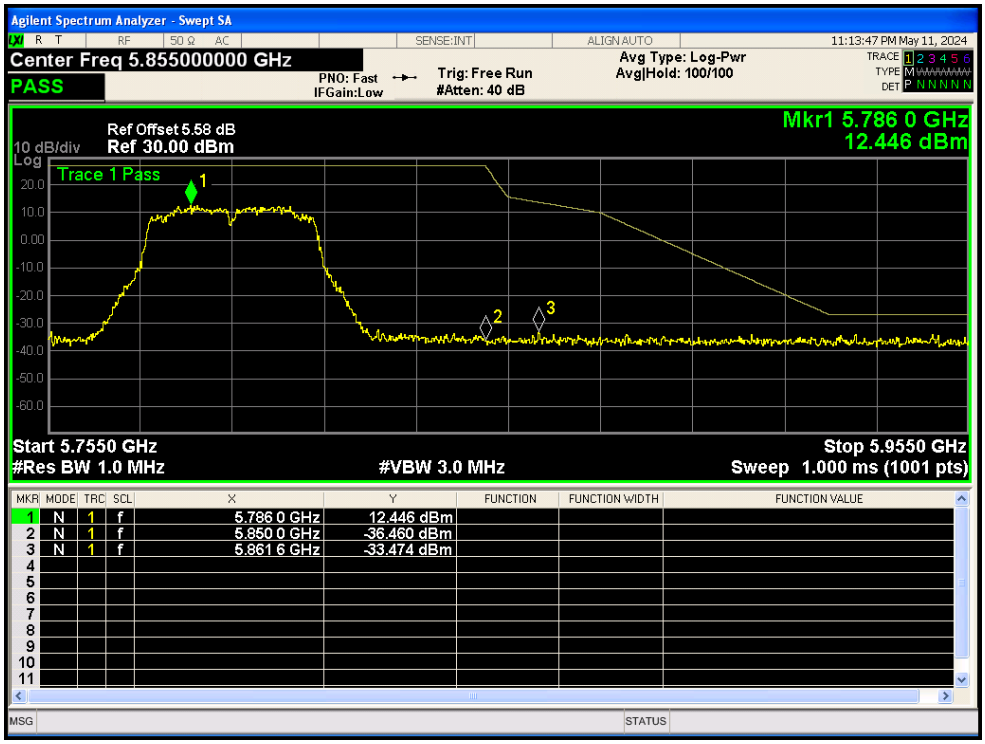
Band Edge NVNT n40 5795MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant2



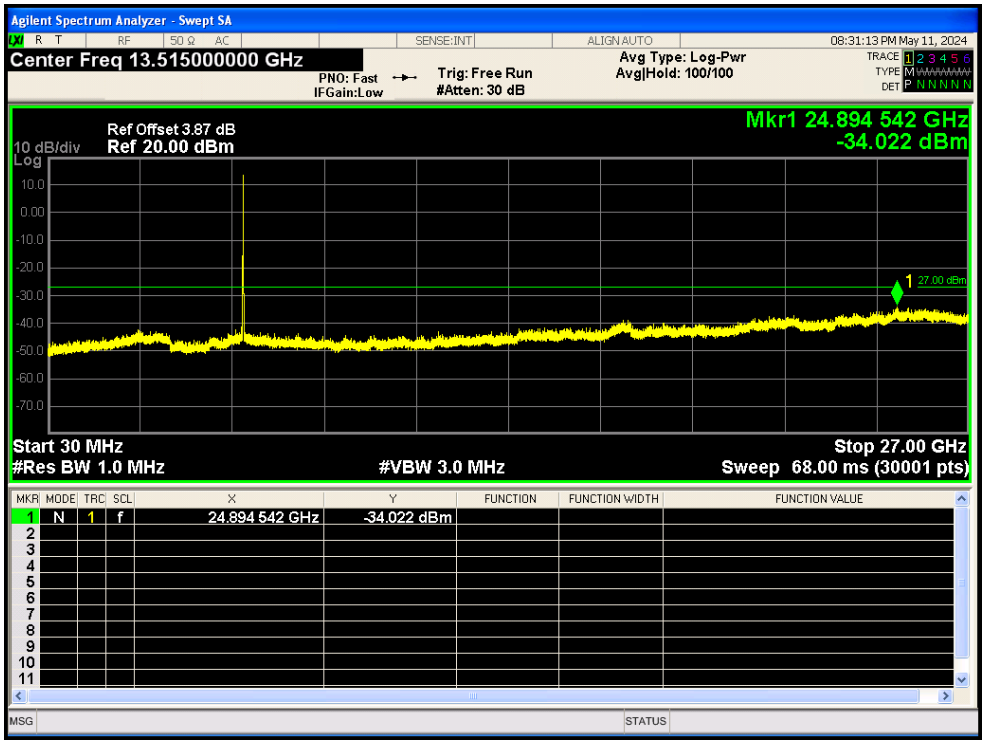
Band Edge NVNT n40 5795MHz High Ant2



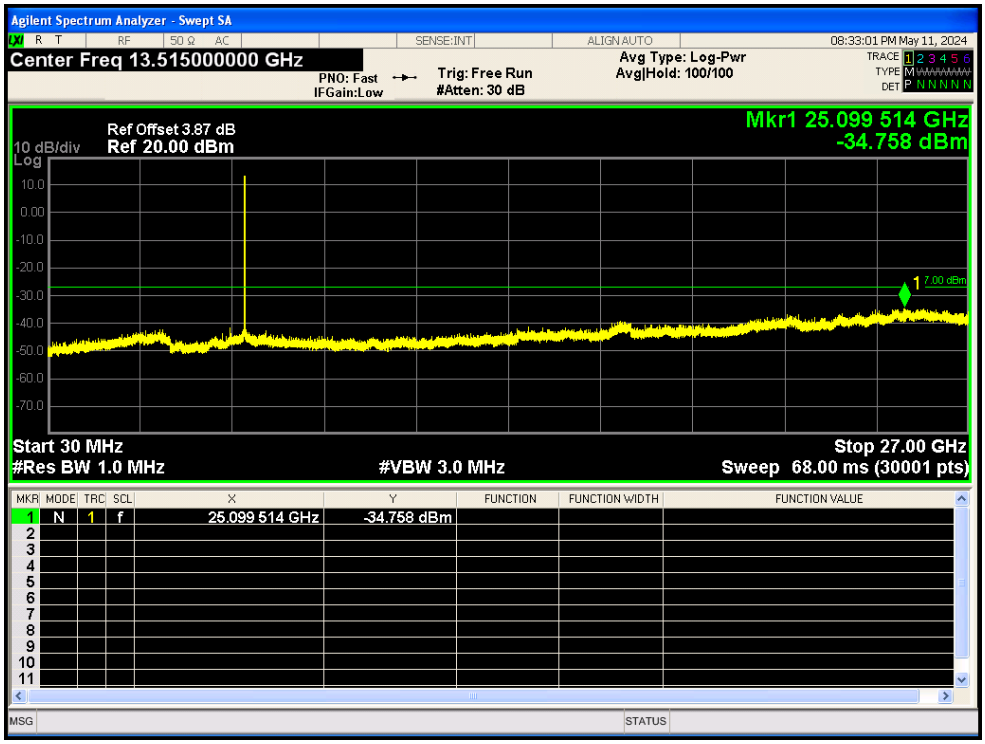
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-34.02	-27	Pass
NVNT	a	5785	Ant1	-34.75	-27	Pass
NVNT	a	5825	Ant1	-33.95	-27	Pass
NVNT	a	5745	Ant2	-32.8	-27	Pass
NVNT	a	5785	Ant2	-32.72	-27	Pass
NVNT	a	5825	Ant2	-32.01	-27	Pass
NVNT	ac20	5745	Ant1	-33.78	-27	Pass
NVNT	ac20	5785	Ant1	-33.17	-27	Pass
NVNT	ac20	5825	Ant1	-34.47	-27	Pass
NVNT	ac20	5745	Ant2	-32.05	-27	Pass
NVNT	ac20	5785	Ant2	-31.47	-27	Pass
NVNT	ac20	5825	Ant2	-32.67	-27	Pass
NVNT	ac40	5755	Ant1	-34.5	-27	Pass
NVNT	ac40	5795	Ant1	-33.57	-27	Pass
NVNT	ac40	5755	Ant2	-32.77	-27	Pass
NVNT	ac40	5795	Ant2	-32.43	-27	Pass
NVNT	ac80	5775	Ant1	-34.58	-27	Pass
NVNT	ac80	5775	Ant2	-32.35	-27	Pass
NVNT	n20	5745	Ant1	-33.9	-27	Pass
NVNT	n20	5785	Ant1	-33.82	-27	Pass
NVNT	n20	5825	Ant1	-33.81	-27	Pass
NVNT	n20	5745	Ant2	-32.67	-27	Pass
NVNT	n20	5785	Ant2	-32.62	-27	Pass
NVNT	n20	5825	Ant2	-32.07	-27	Pass
NVNT	n40	5755	Ant1	-34.56	-27	Pass
NVNT	n40	5795	Ant1	-34.34	-27	Pass
NVNT	n40	5755	Ant2	-32.23	-27	Pass
NVNT	n40	5795	Ant2	-32.72	-27	Pass

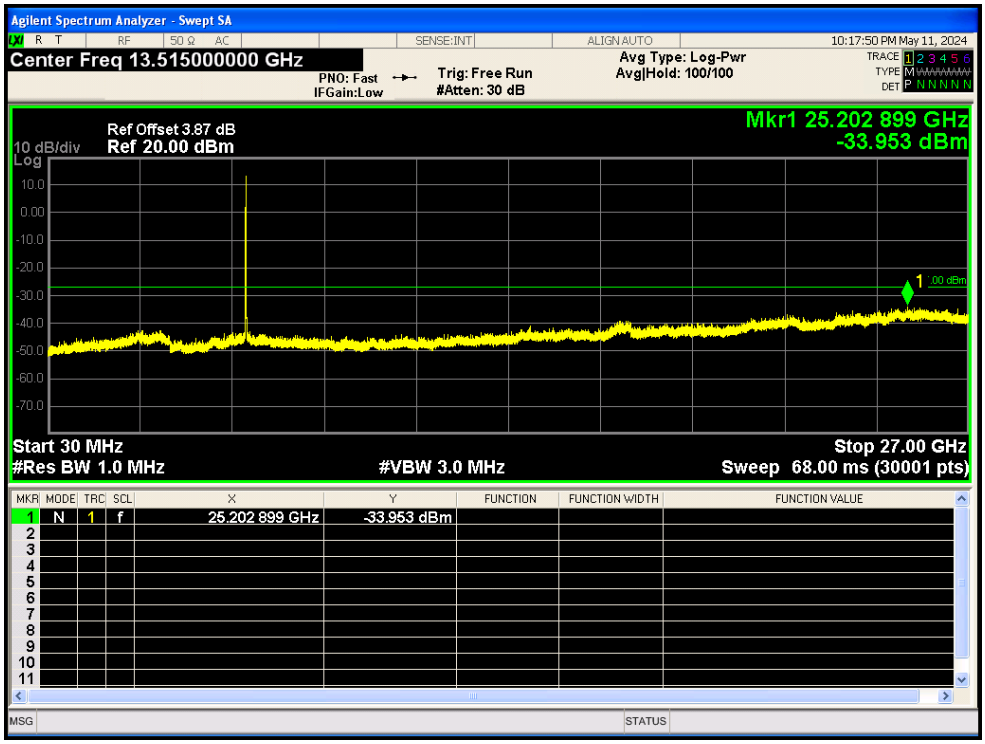
Tx. Spurious NVNT a 5745MHz Ant1 Emission



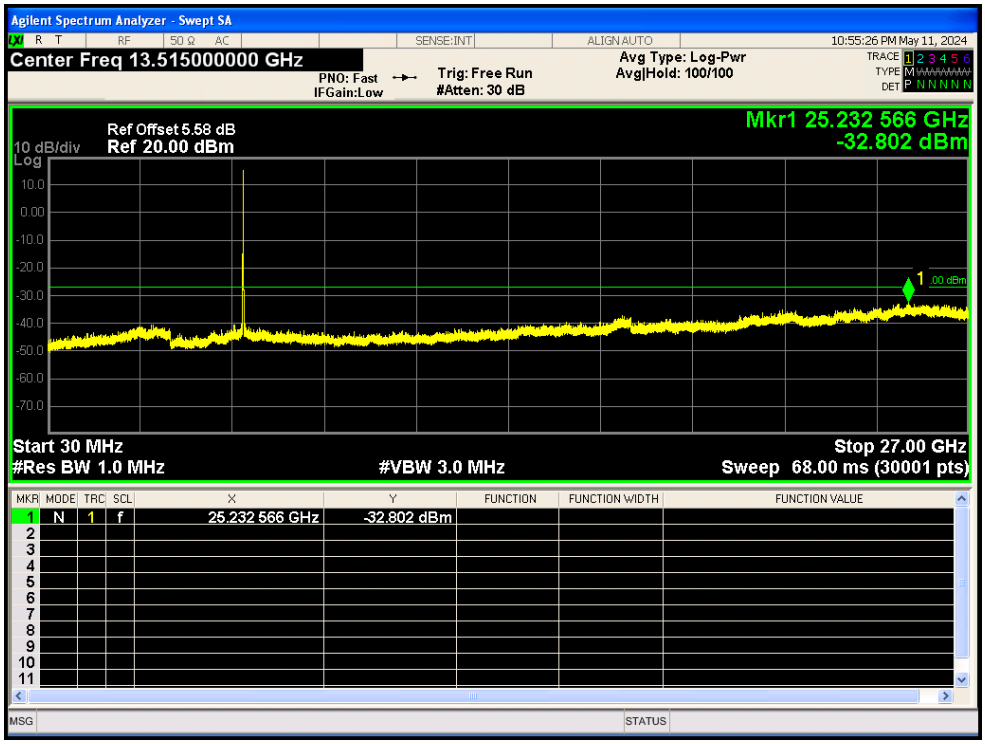
Tx. Spurious NVNT a 5785MHz Ant1 Emission



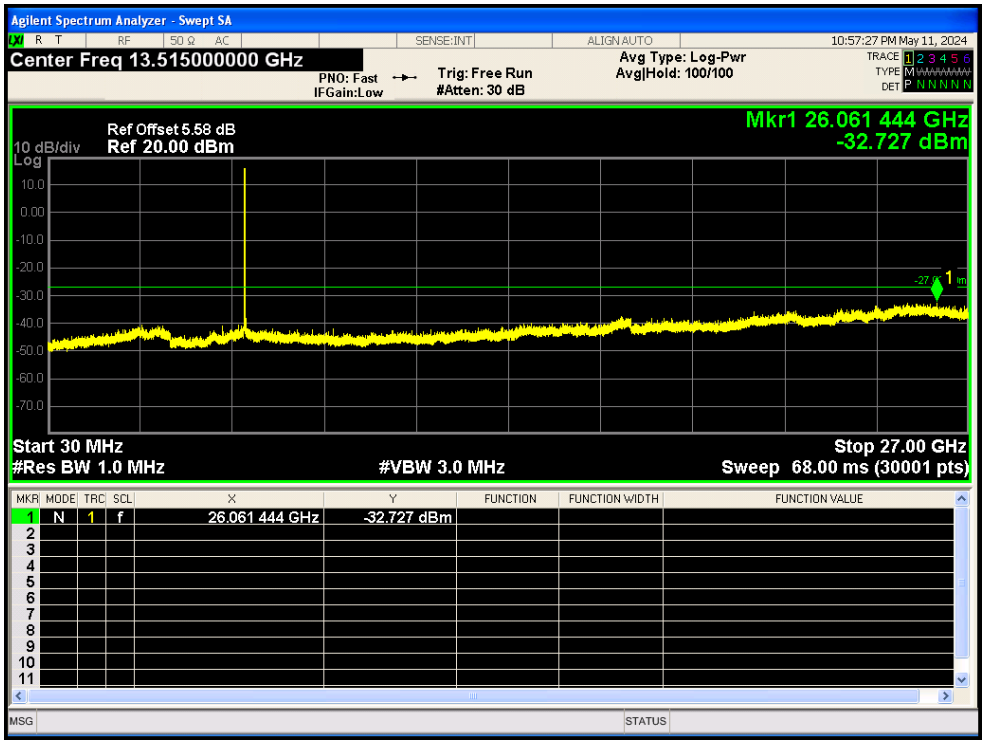
Tx. Spurious NVNT a 5825MHz Ant1 Emission



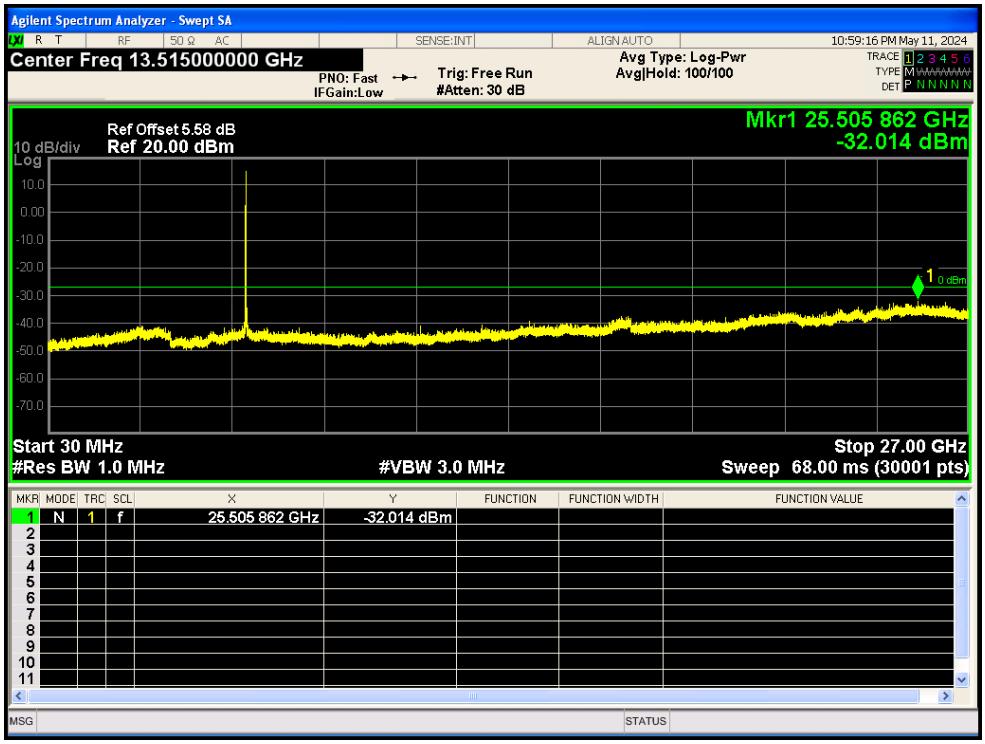
Tx. Spurious NVNT a 5745MHz Ant2 Emission



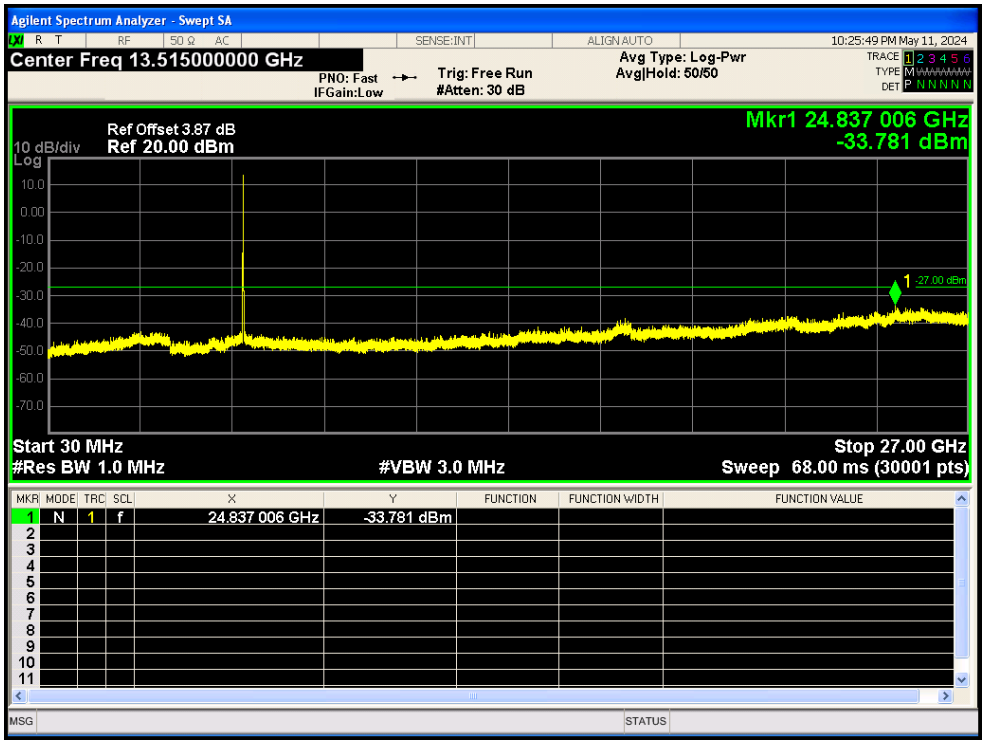
Tx. Spurious NVNT a 5785MHz Ant2 Emission



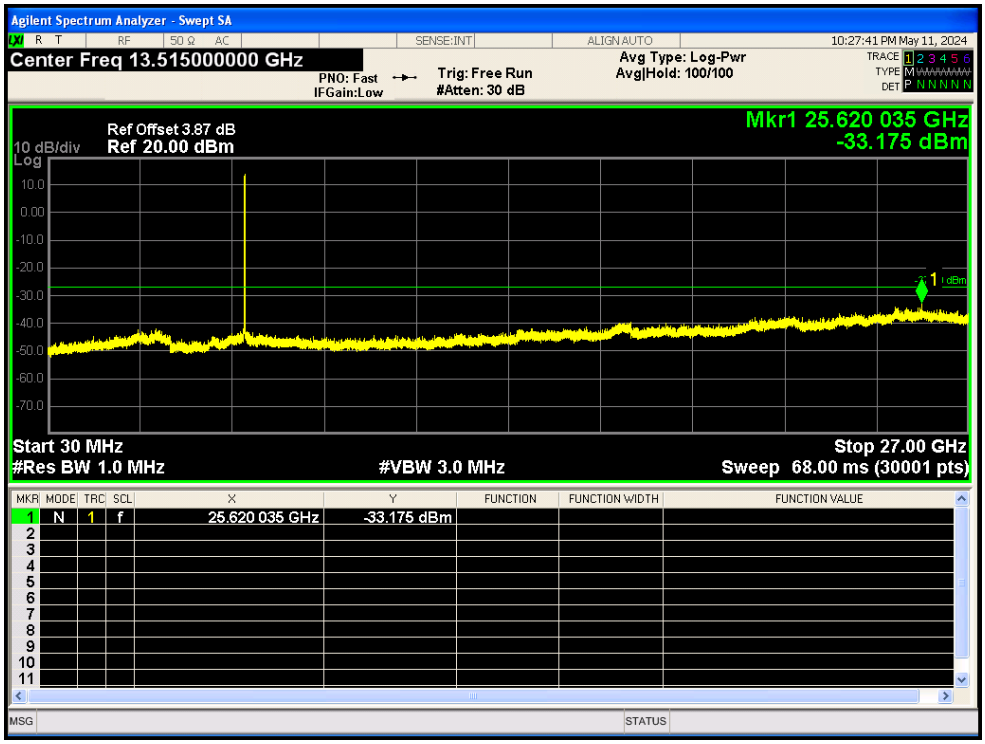
Tx. Spurious NVNT a 5825MHz Ant2 Emission



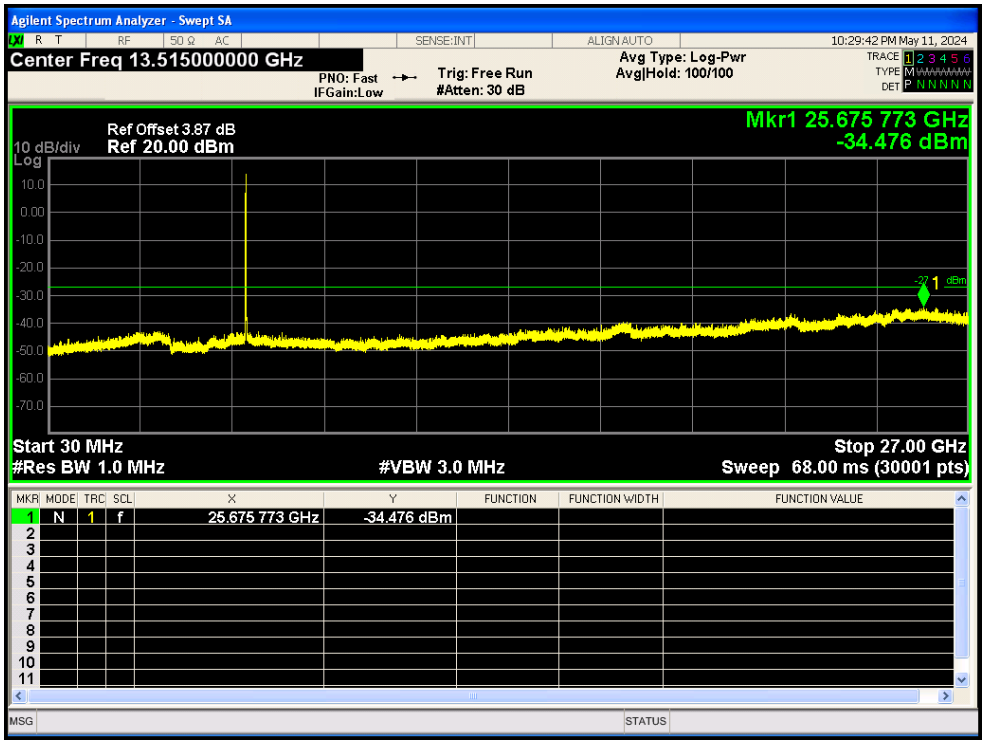
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



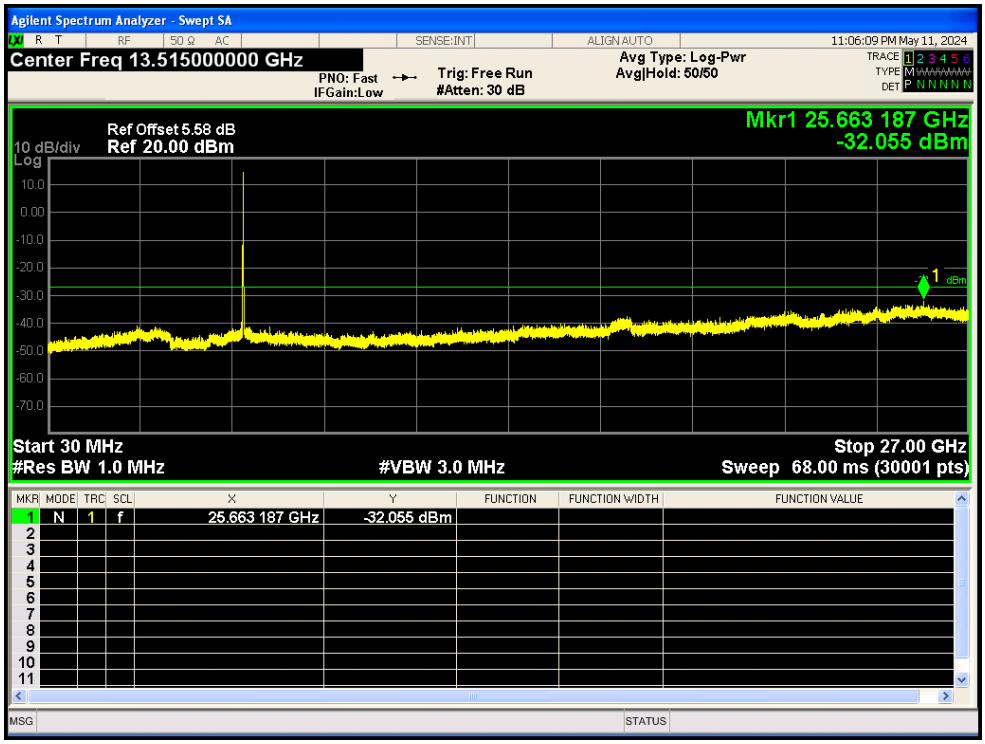
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



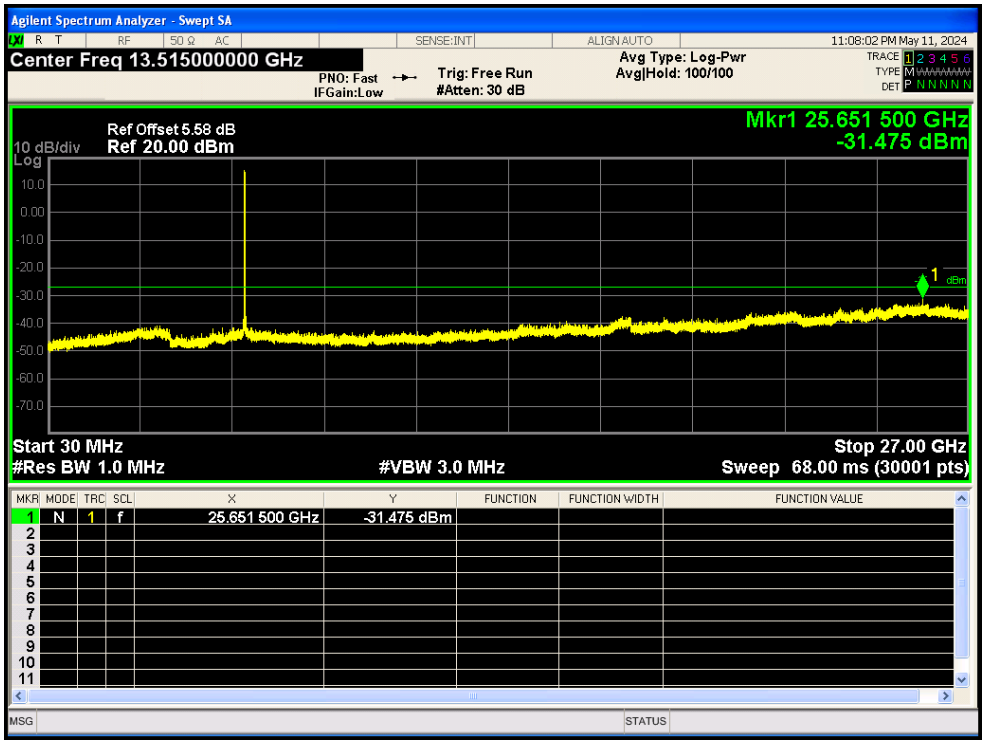
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



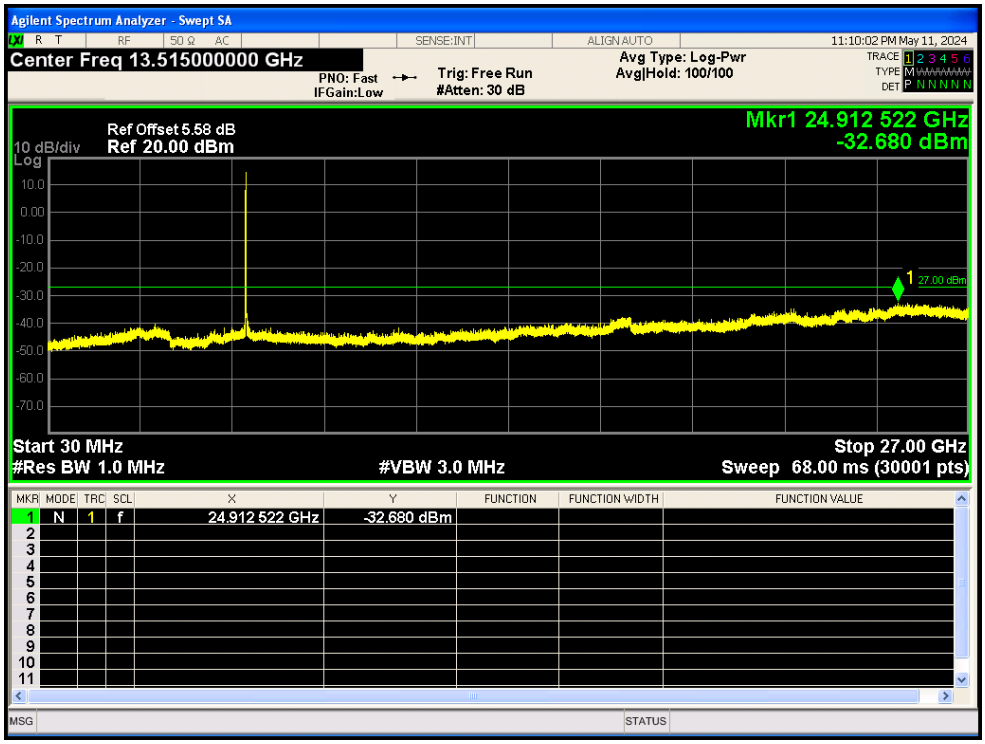
Tx. Spurious NVNT ac20 5745MHz Ant2 Emission



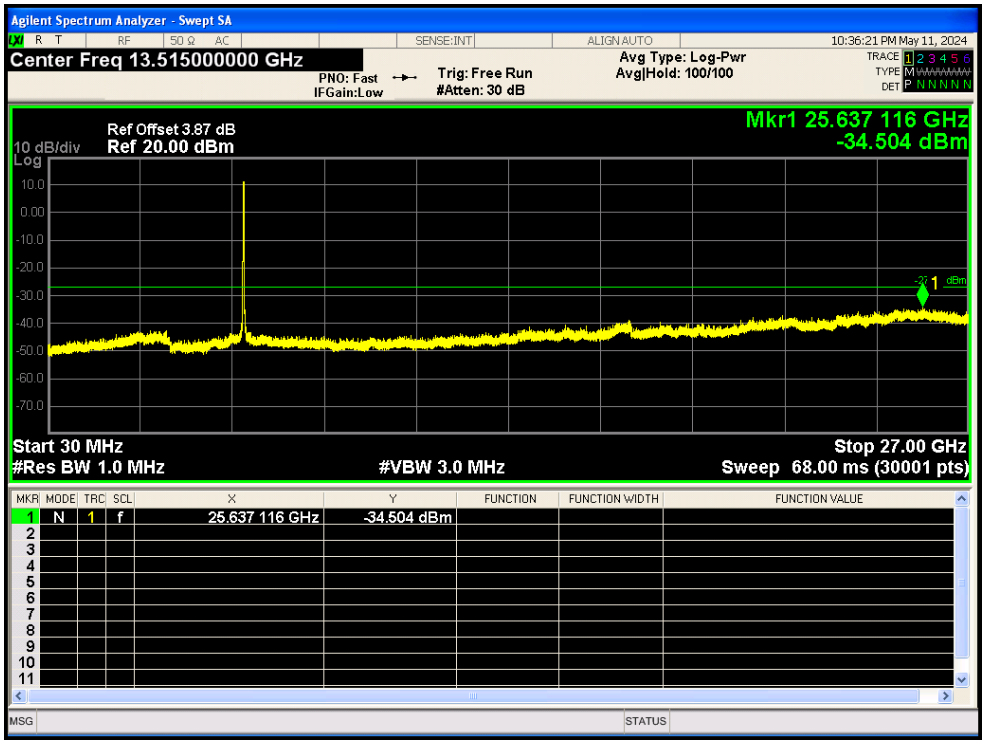
Tx. Spurious NVNT ac20 5785MHz Ant2 Emission



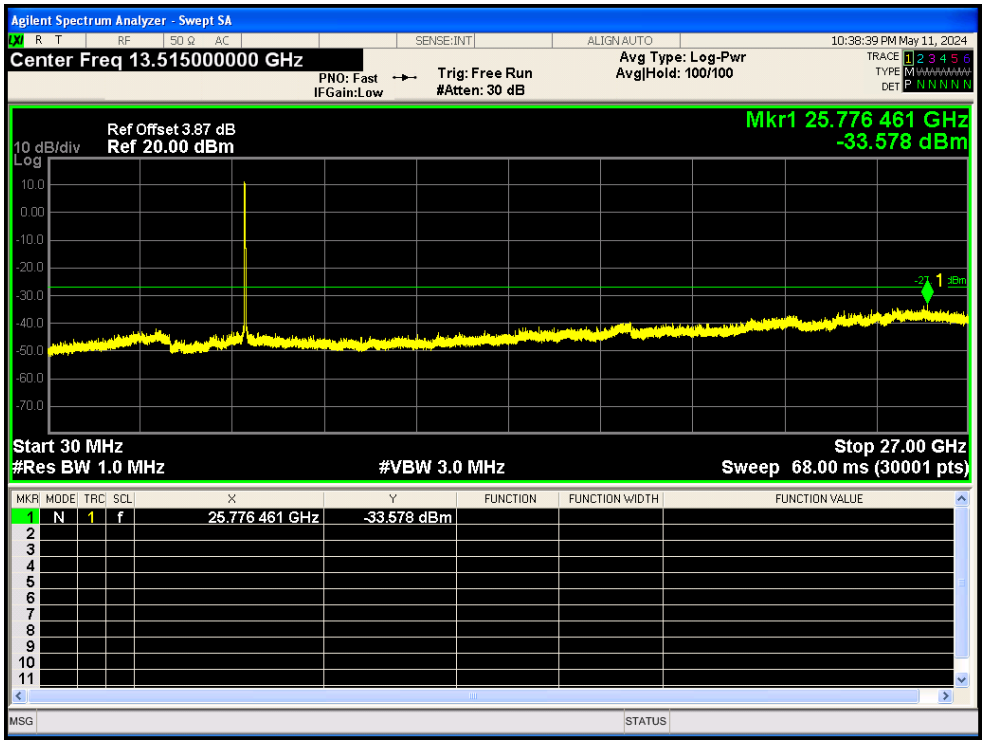
Tx. Spurious NVNT ac20 5825MHz Ant2 Emission



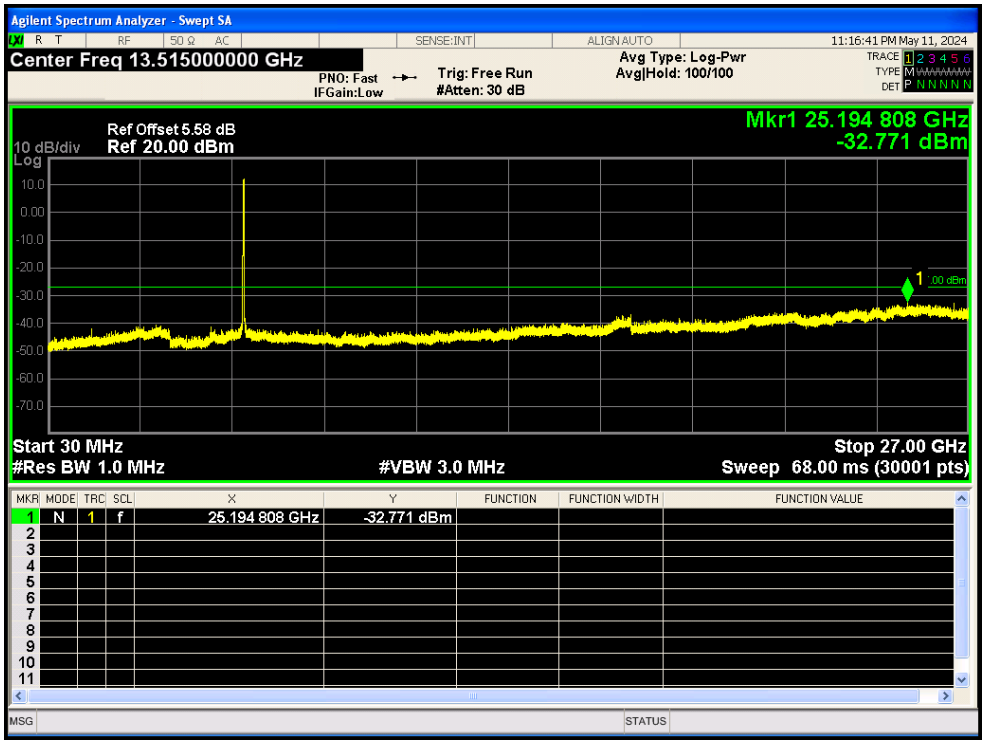
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



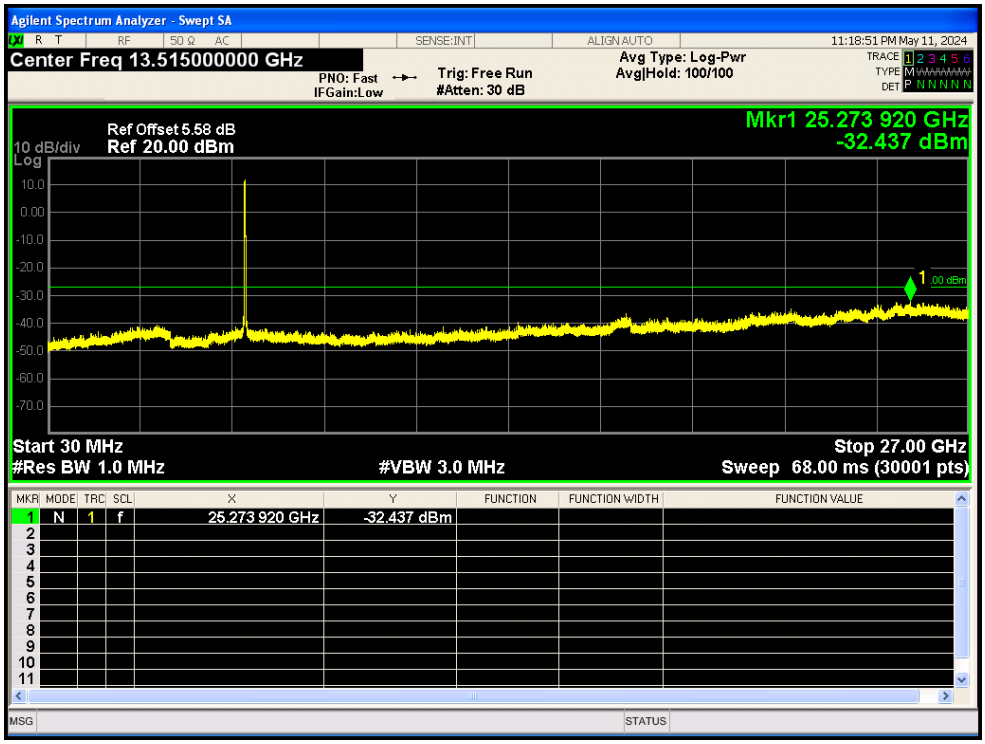
Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



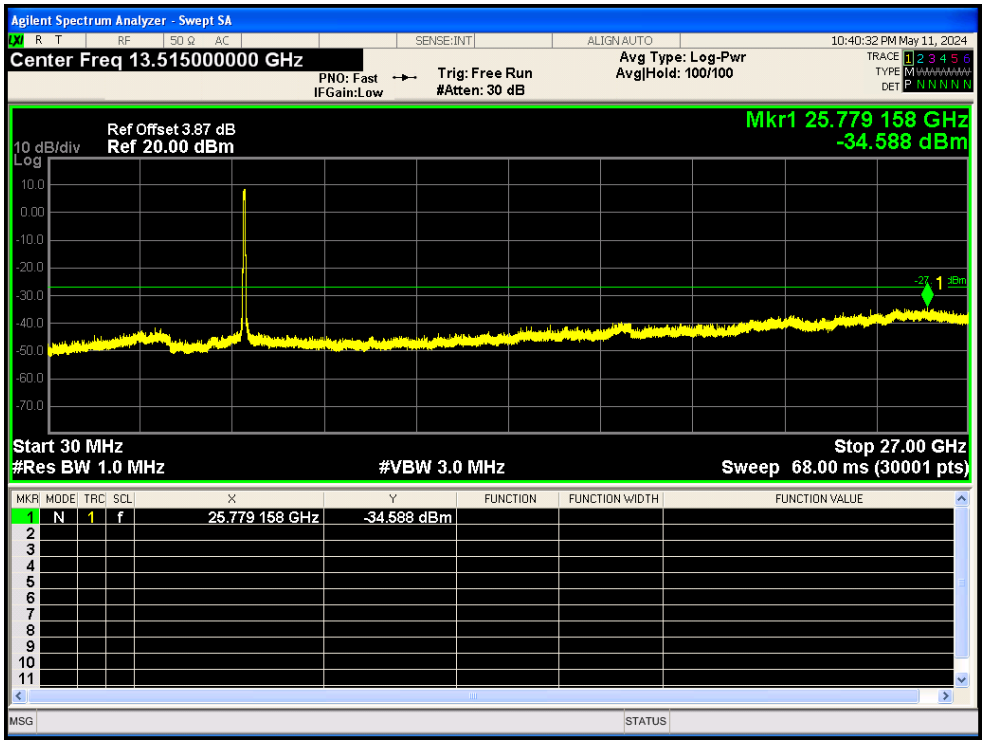
Tx. Spurious NVNT ac40 5755MHz Ant2 Emission



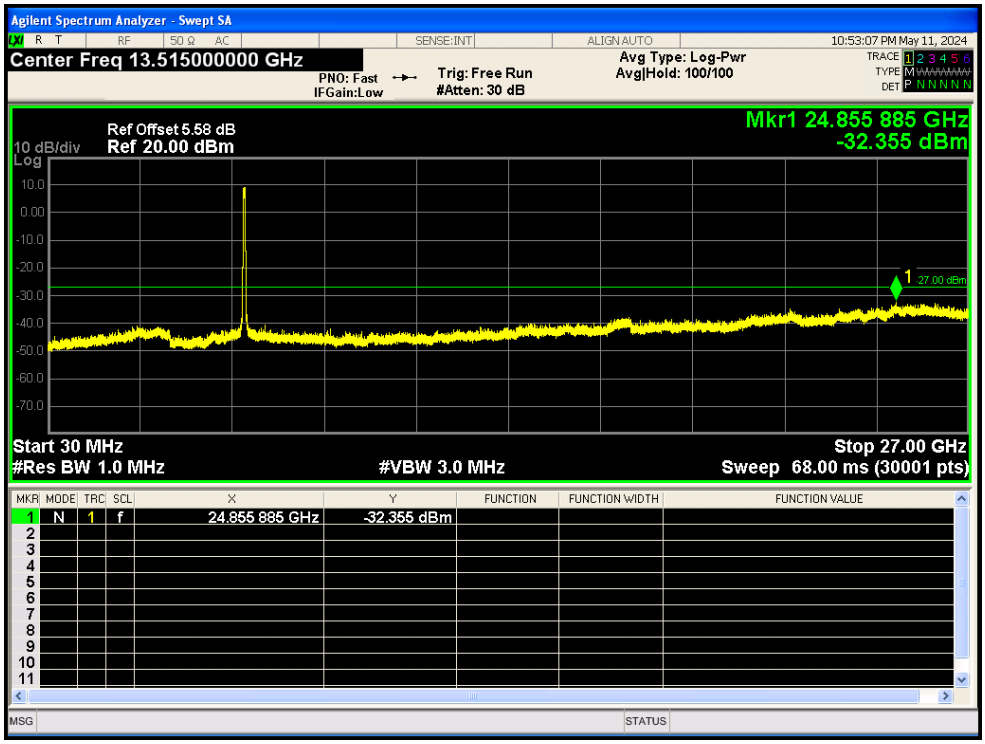
Tx. Spurious NVNT ac40 5795MHz Ant2 Emission



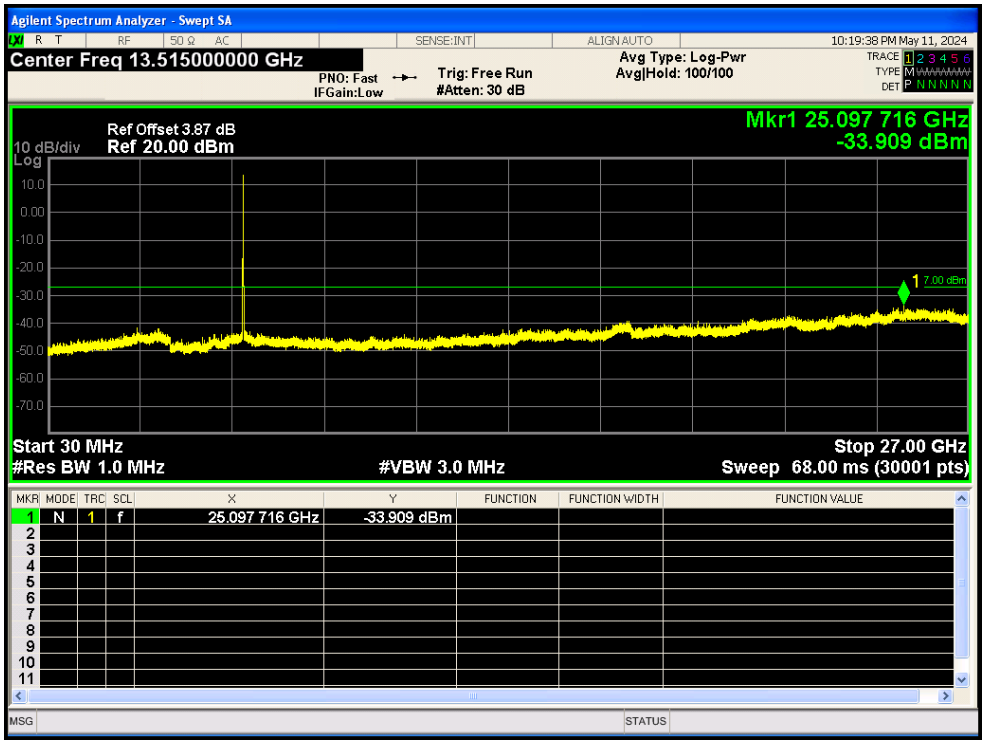
Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



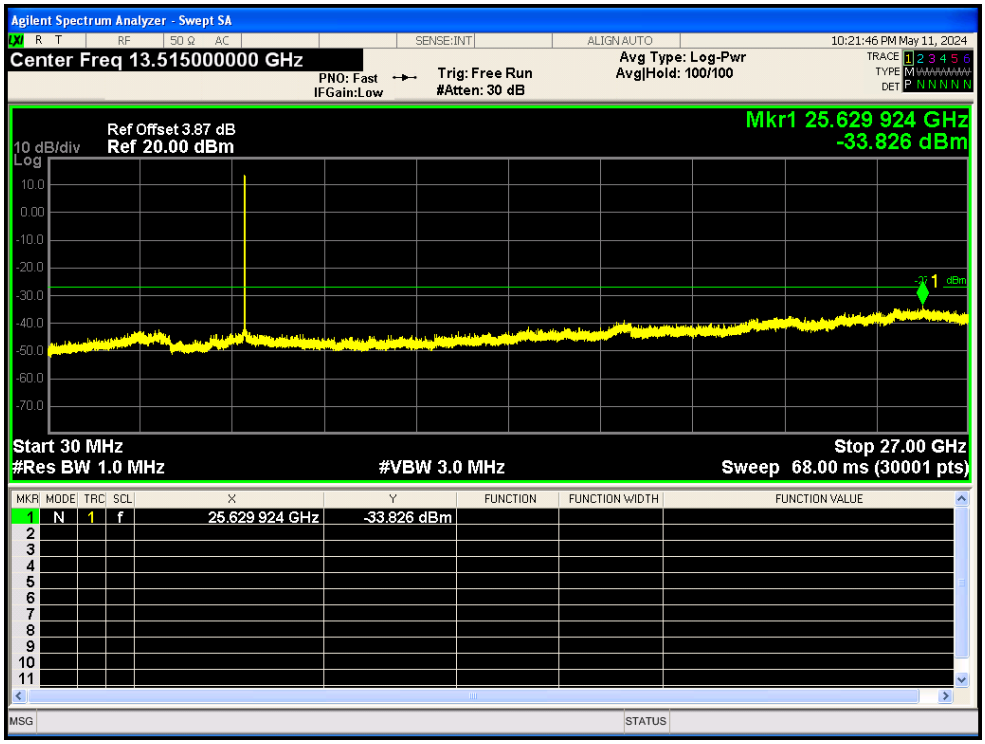
Tx. Spurious NVNT ac80 5775MHz Ant2 Emission



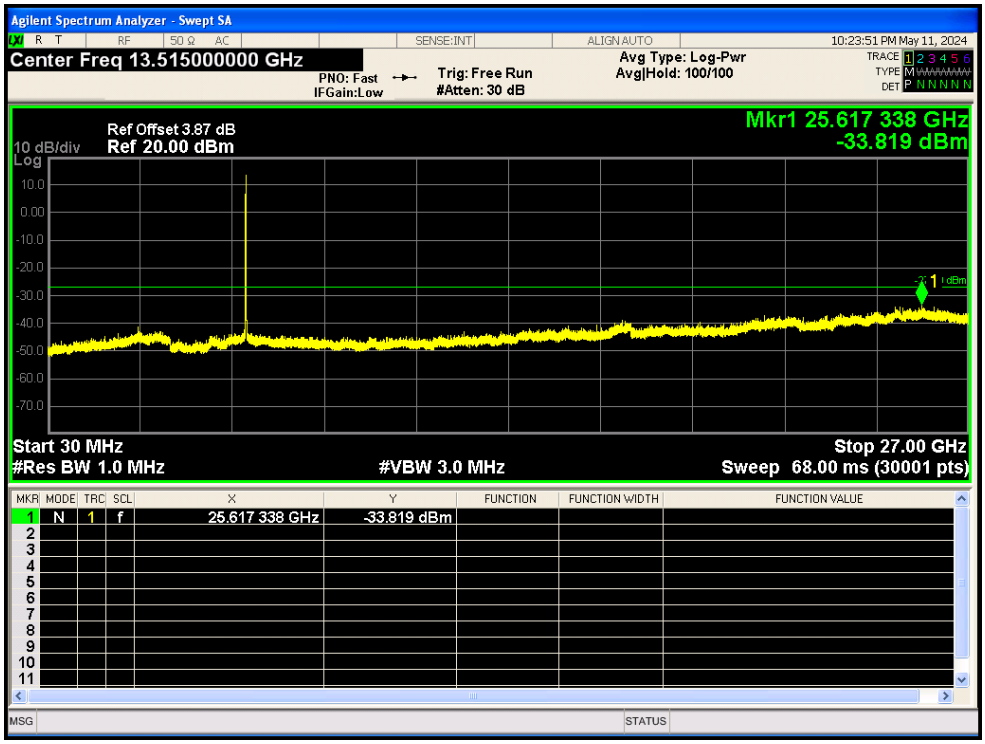
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



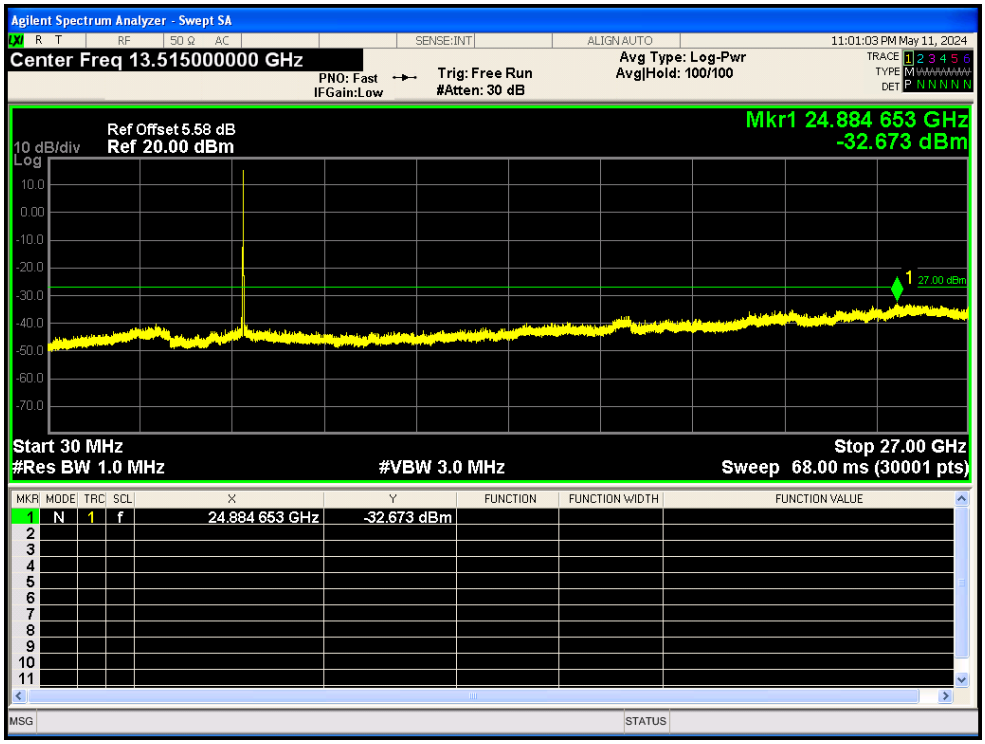
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



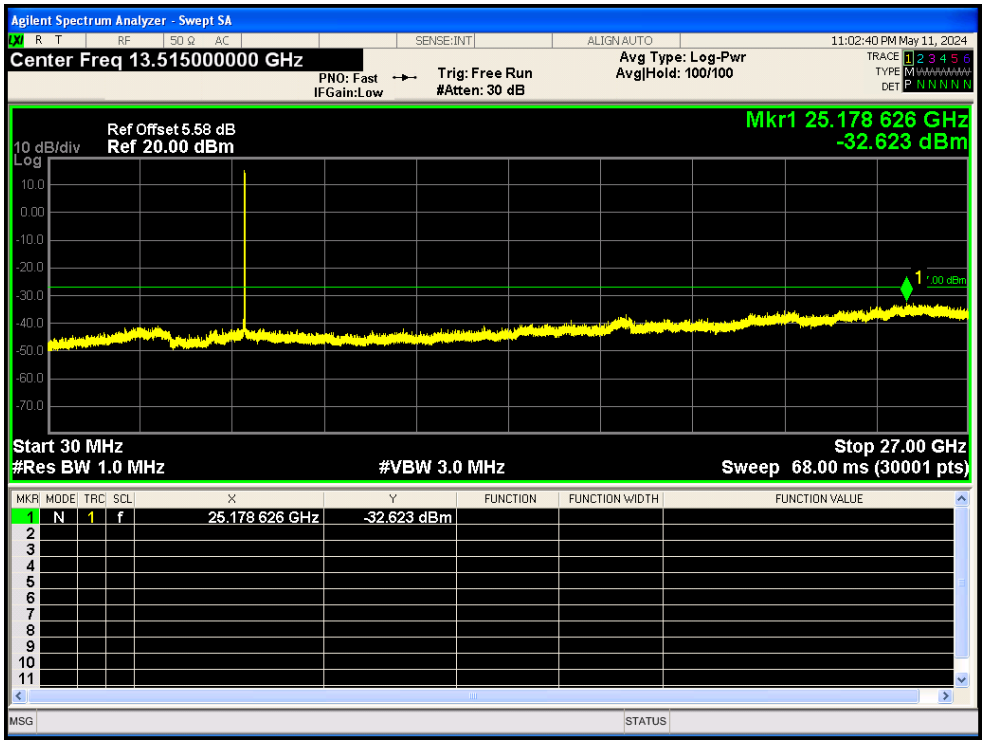
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



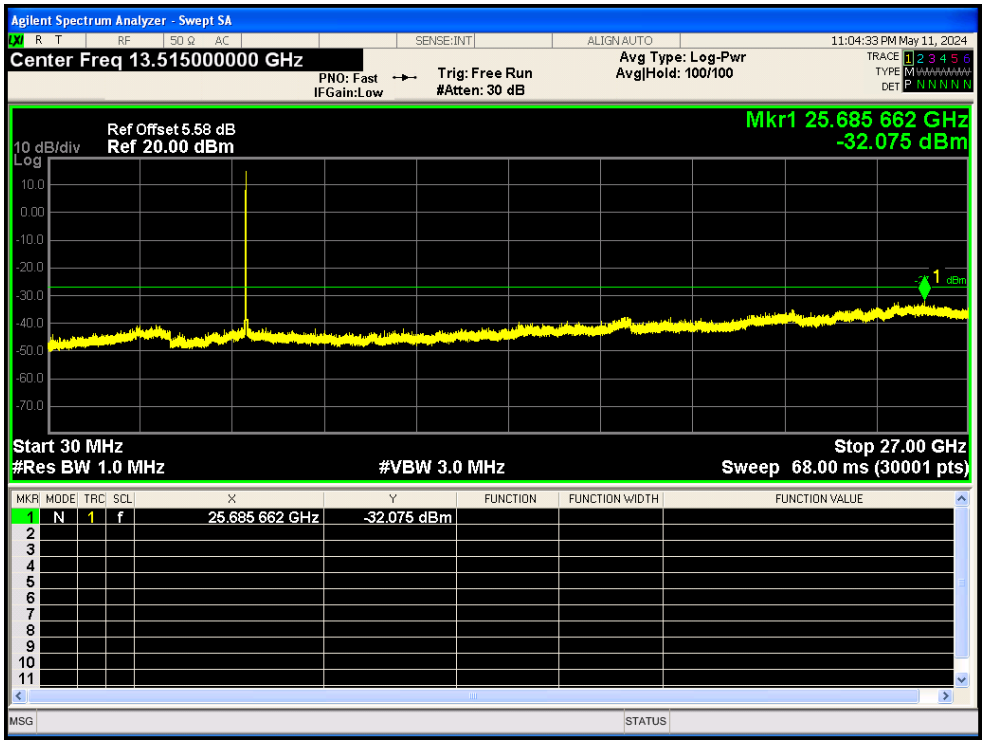
Tx. Spurious NVNT n20 5745MHz Ant2 Emission



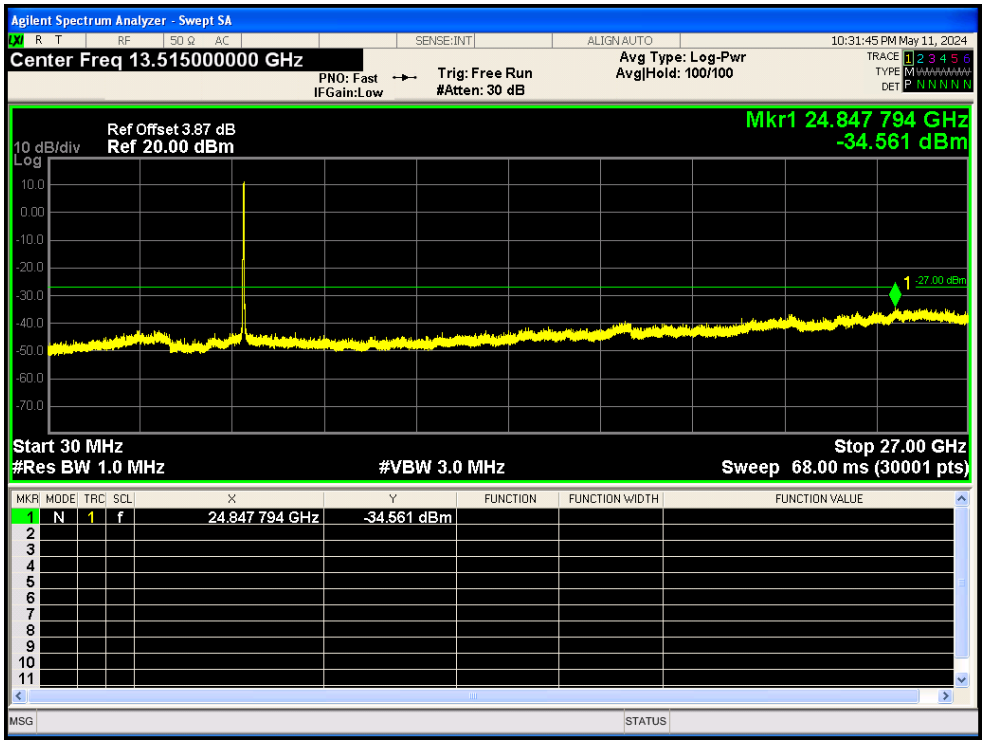
Tx. Spurious NVNT n20 5785MHz Ant2 Emission



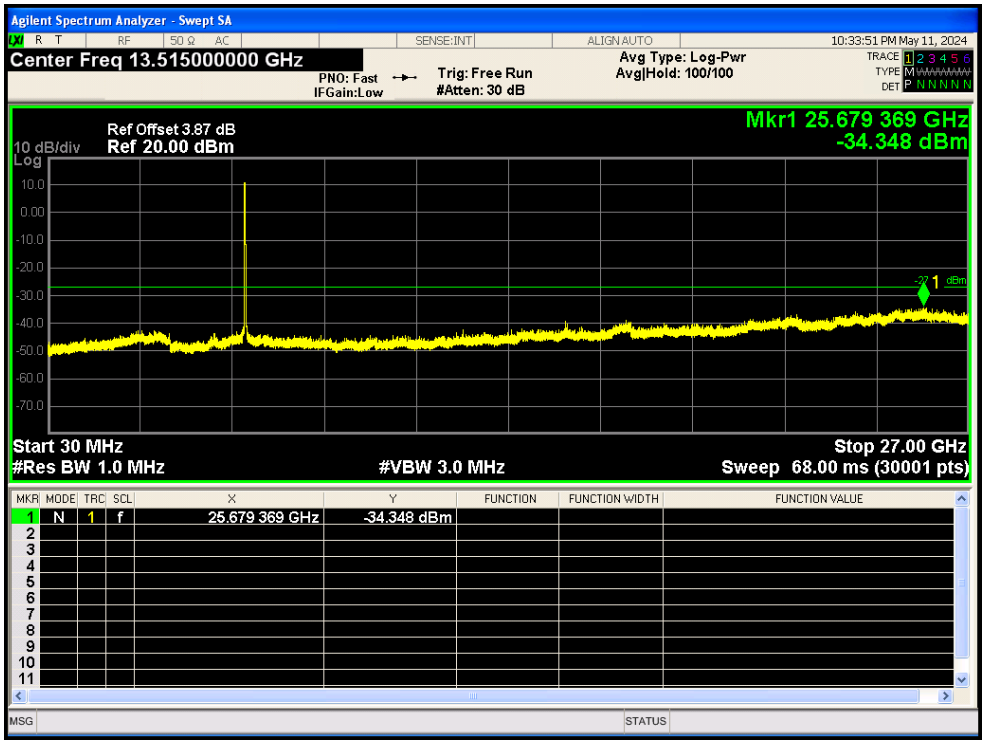
Tx. Spurious NVNT n20 5825MHz Ant2 Emission



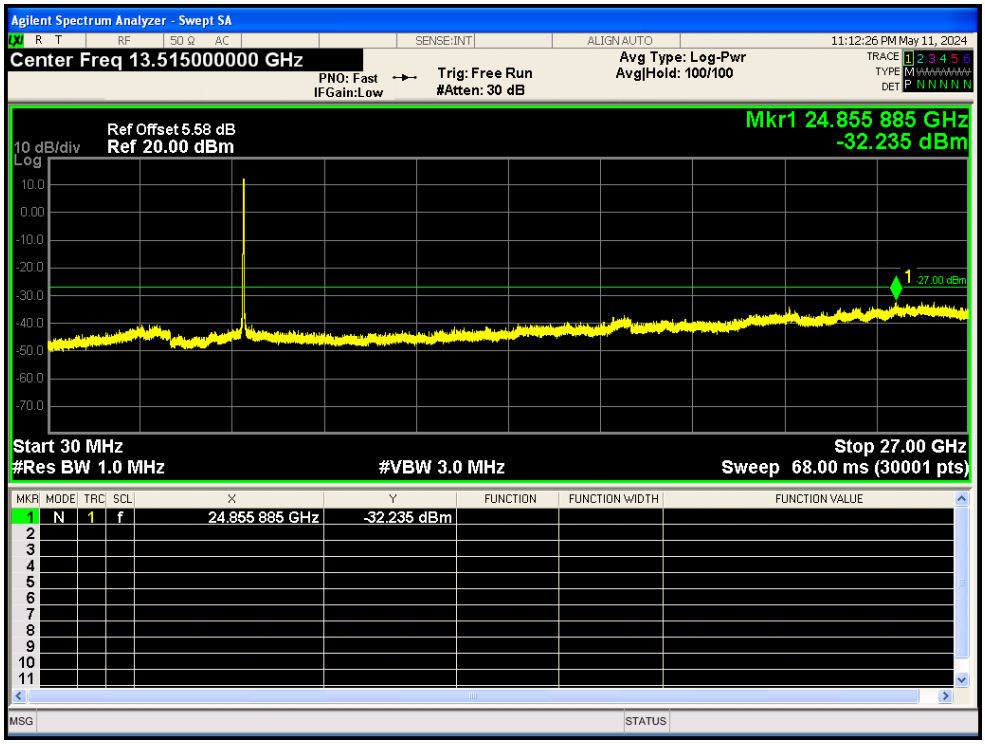
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



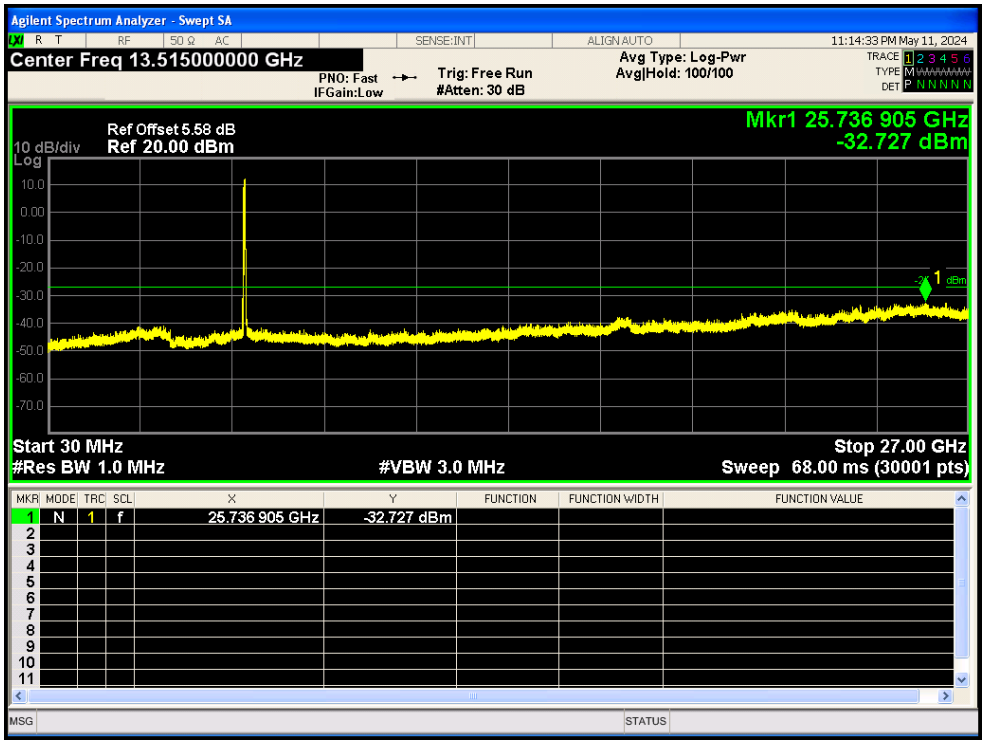
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant2 Emission



Tx. Spurious NVNT n40 5795MHz Ant2 Emission



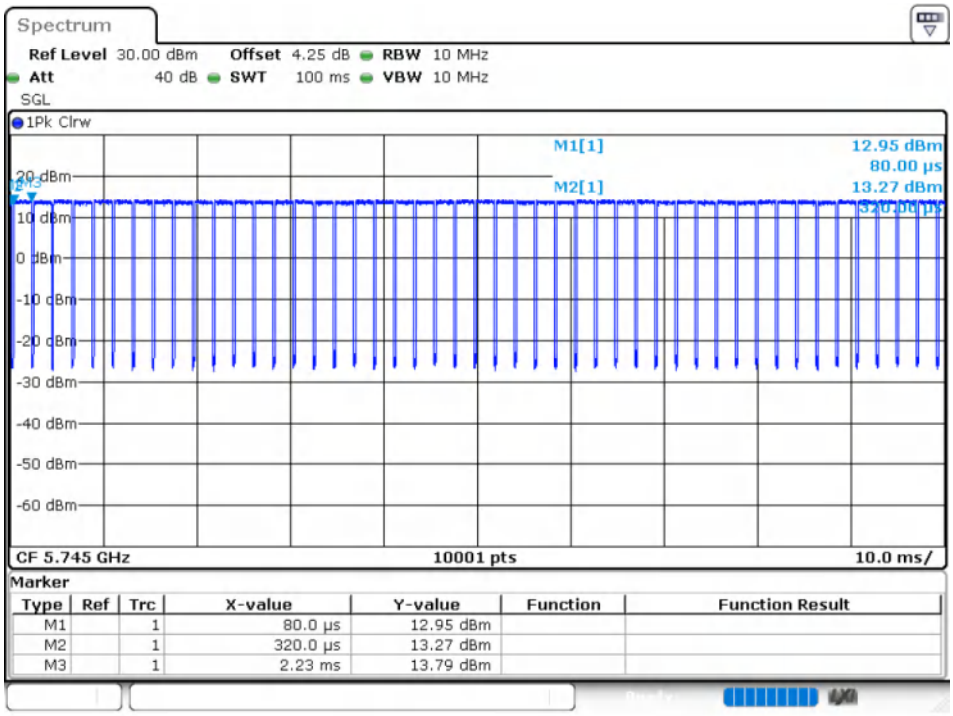
5.8GMIMO

Duty Cycle

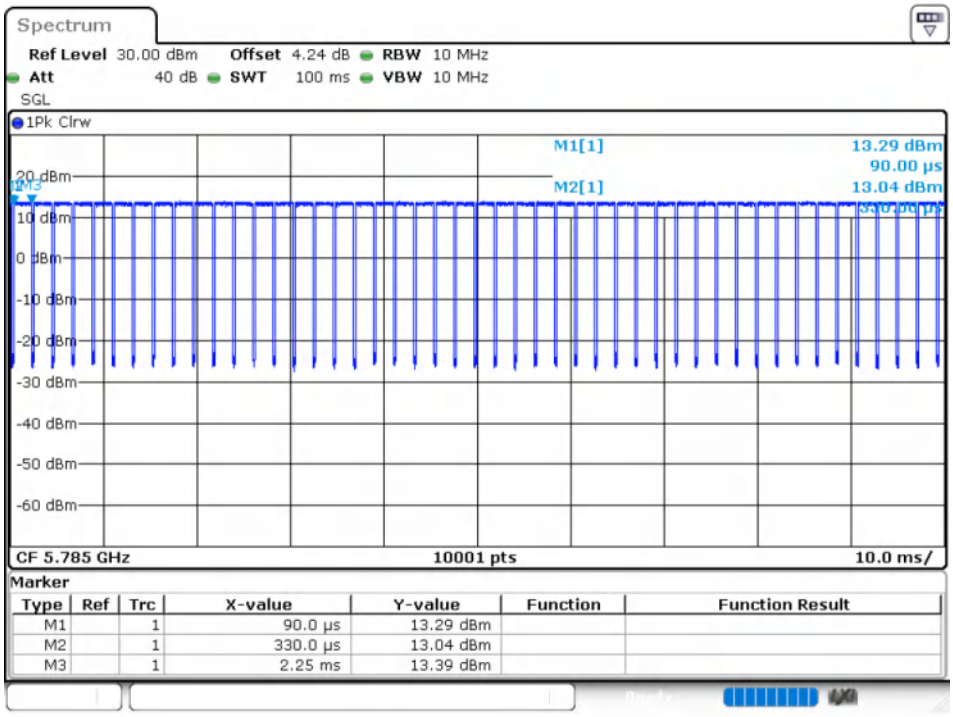
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5745	Sum	89.32	0.49	0.52
NVNT	ac20	5785	Sum	89.31	0.49	0.52
NVNT	ac20	5825	Sum	89.29	0.49	0.52
NVNT	ac40	5755	Sum	89.47	0.48	1.06
NVNT	ac40	5795	Sum	89.29	0.49	1.06
NVNT	ac80	5775	Sum	89.55	0.48	2.17
NVNT	n20	5745	Sum	81.78	0.87	0.52
NVNT	n20	5785	Sum	94.66	0.24	25
NVNT	n20	5825	Sum	81.35	0.9	0.52
NVNT	n40	5755	Sum	81.33	0.9	1.08
NVNT	n40	5795	Sum	81.37	0.9	1.06

Test Graphs

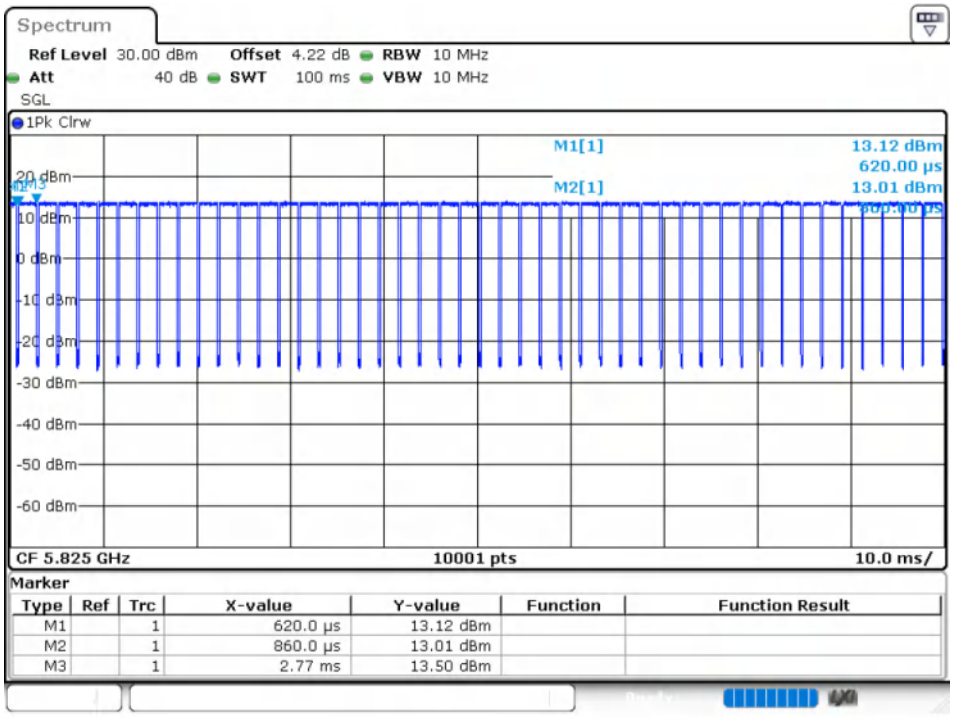
Duty Cycle NVNT ac20 5745MHz Sum



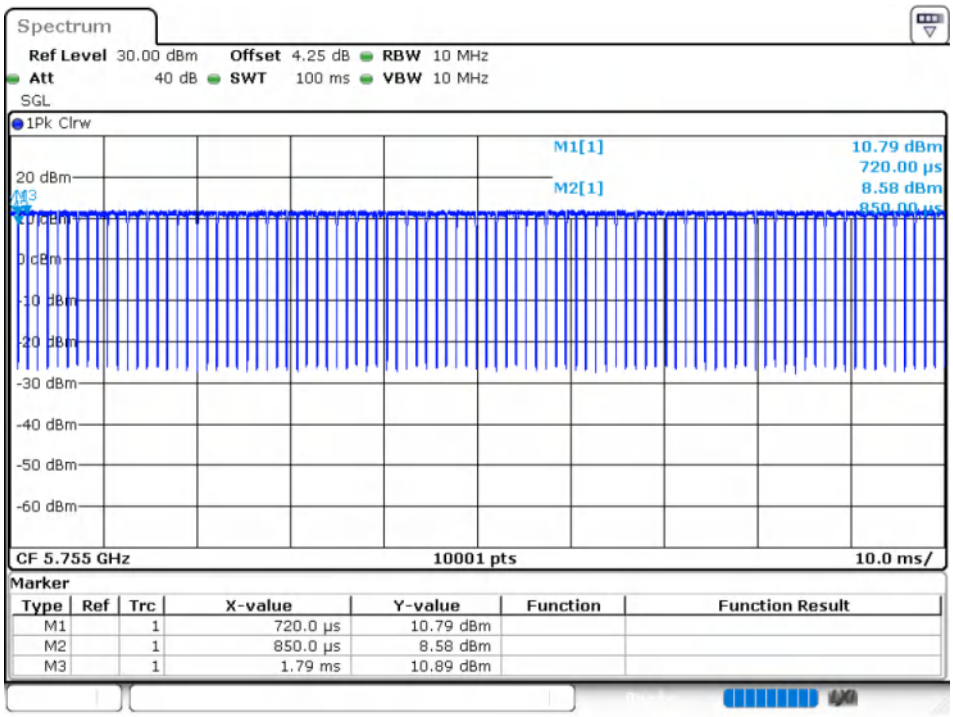
Duty Cycle NVNT ac20 5785MHz Sum



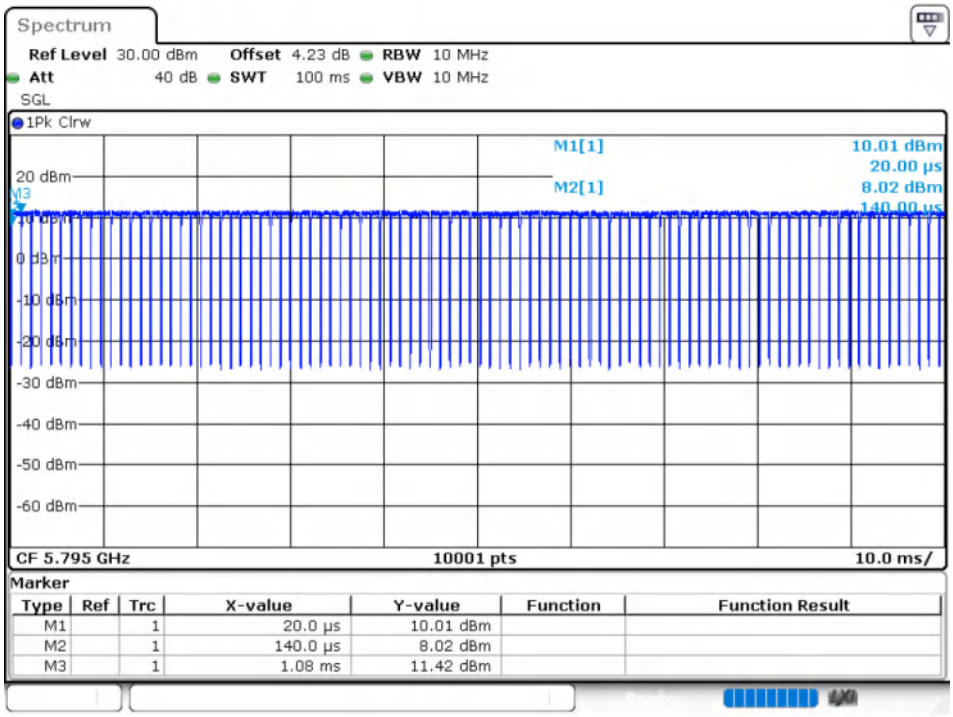
Duty Cycle NVNT ac20 5825MHz Sum



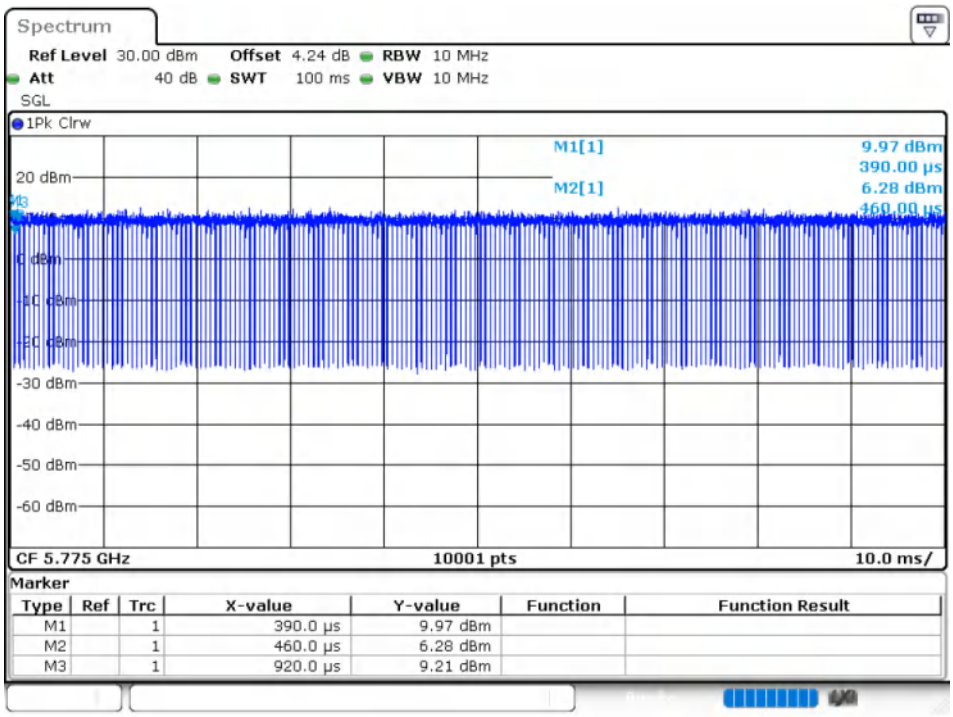
Duty Cycle NVNT ac40 5755MHz Sum



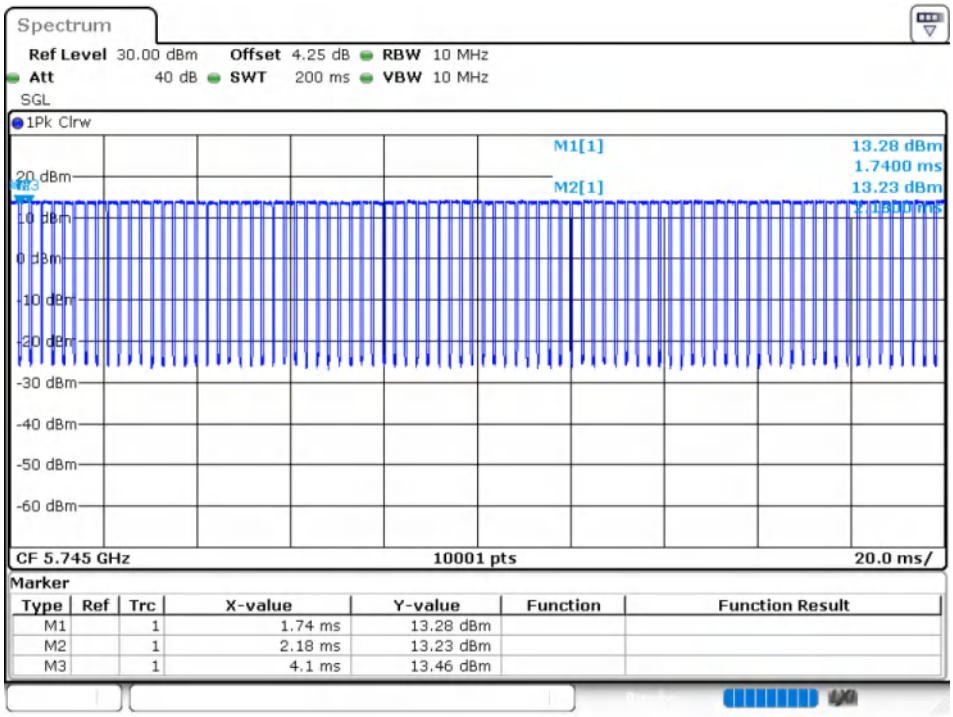
Duty Cycle NVNT ac40 5795MHz Sum



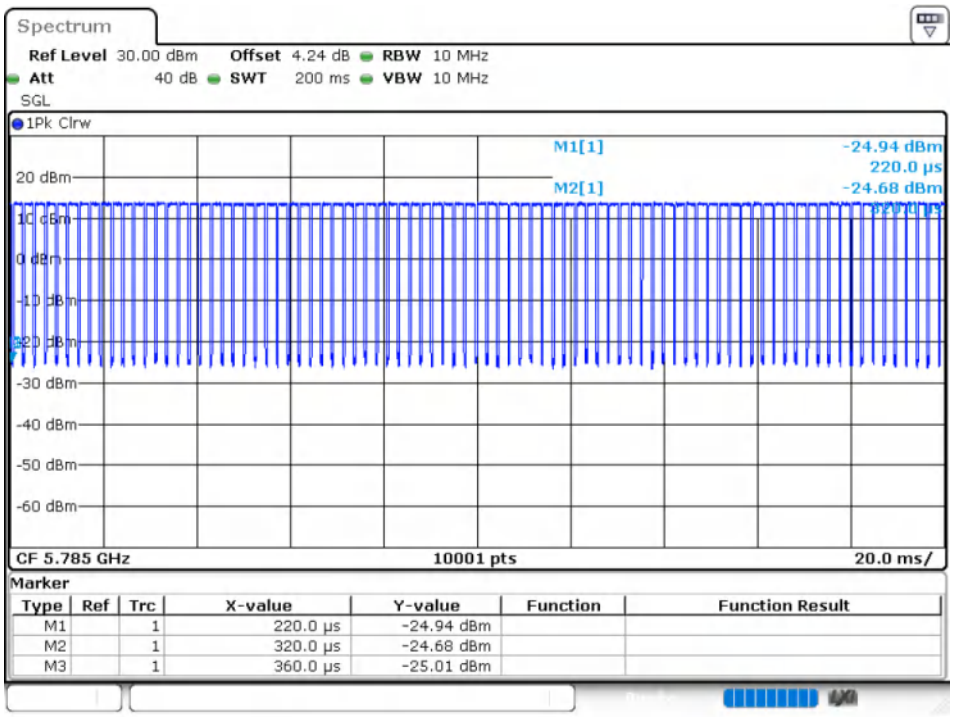
Duty Cycle NVNT ac80 5775MHz Sum



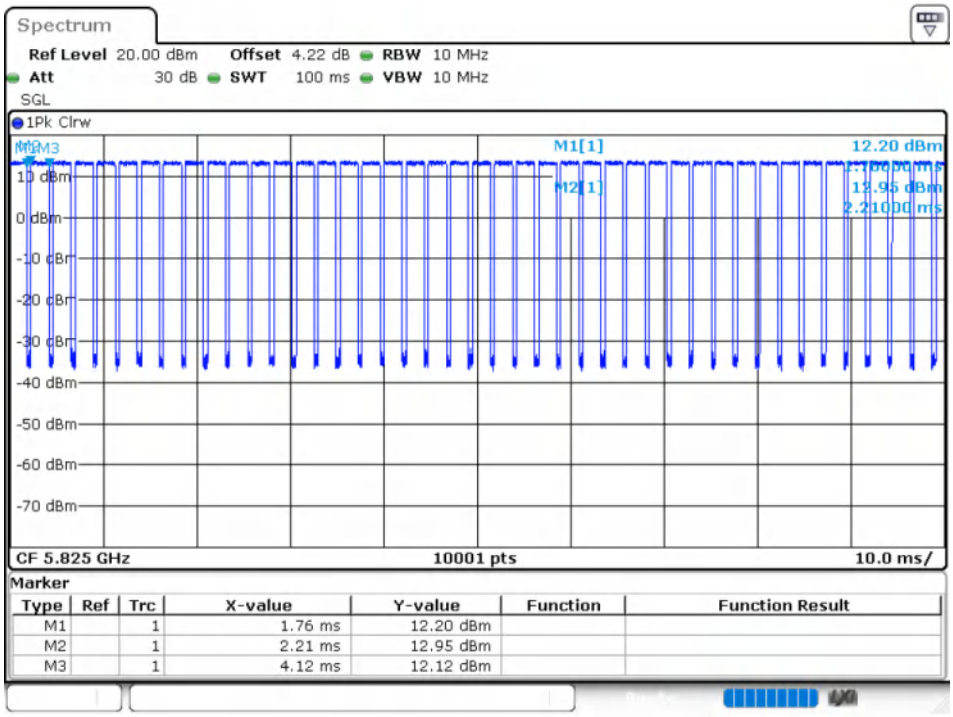
Duty Cycle NVNT n20 5745MHz Sum



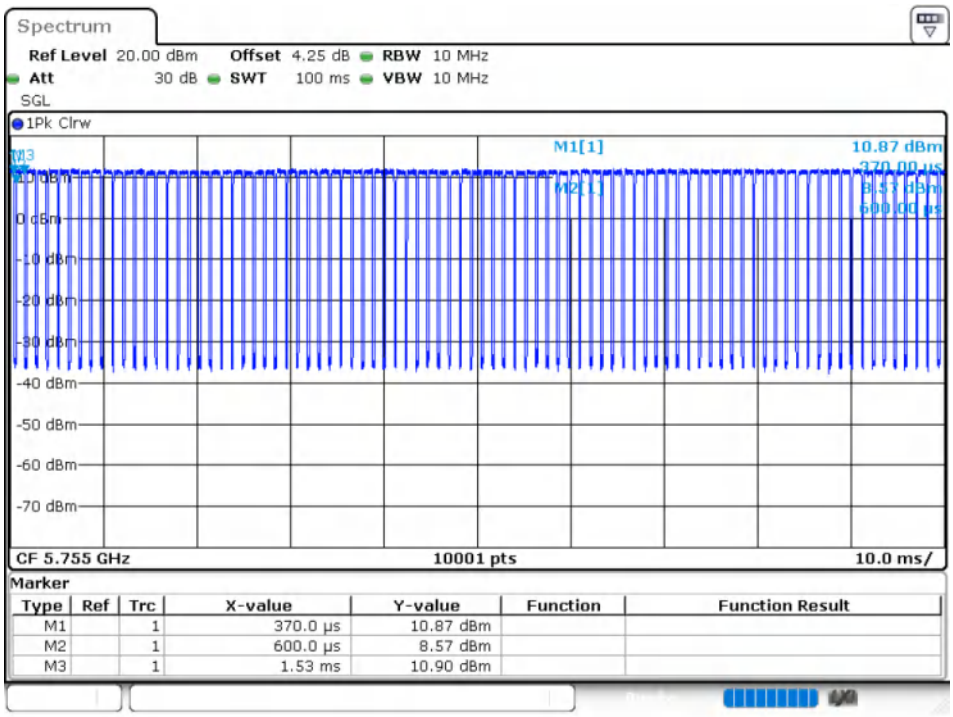
Duty Cycle NVNT n20 5785MHz Sum



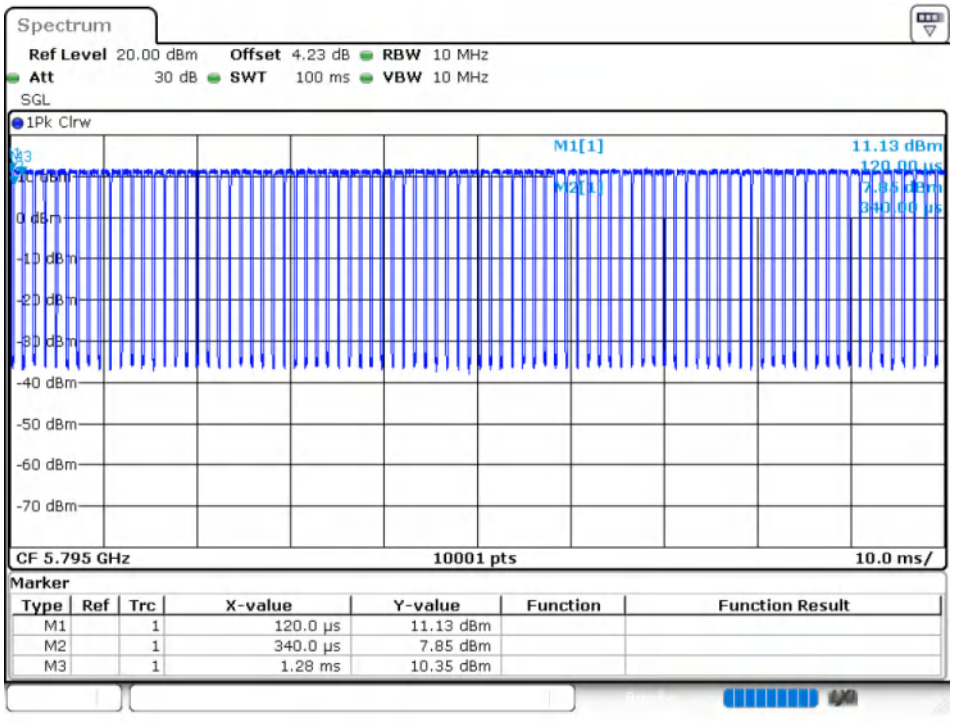
Duty Cycle NVNT n20 5825MHz Sum



Duty Cycle NVNT n40 5755MHz Sum



Duty Cycle NVNT n40 5795MHz Sum



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	Ant1	11.6	29.44	Pass
NVNT	ac20	5745	Ant2	11.78	29.44	Pass
NVNT	ac20	5745	Sum	14.7	29.44	Pass
NVNT	ac20	5785	Ant1	11.81	29.44	Pass
NVNT	ac20	5785	Ant2	11.64	29.44	Pass
NVNT	ac20	5785	Sum	14.74	29.44	Pass
NVNT	ac20	5825	Ant1	11.73	29.44	Pass
NVNT	ac20	5825	Ant2	11.74	29.44	Pass
NVNT	ac20	5825	Sum	14.75	29.44	Pass
NVNT	ac40	5755	Ant1	11.95	29.44	Pass
NVNT	ac40	5755	Ant2	11.98	29.44	Pass
NVNT	ac40	5755	Sum	14.98	29.44	Pass
NVNT	ac40	5795	Ant1	12.13	29.44	Pass
NVNT	ac40	5795	Ant2	11.93	29.44	Pass
NVNT	ac40	5795	Sum	15.04	29.44	Pass
NVNT	ac80	5775	Ant1	11.95	29.44	Pass
NVNT	ac80	5775	Ant2	11.75	29.44	Pass
NVNT	ac80	5775	Sum	14.86	29.44	Pass
NVNT	n20	5745	Ant1	11.46	29.44	Pass
NVNT	n20	5745	Ant2	11.78	29.44	Pass
NVNT	n20	5745	Sum	14.63	29.44	Pass
NVNT	n20	5785	Ant1	11.73	29.44	Pass
NVNT	n20	5785	Ant2	11.59	29.44	Pass
NVNT	n20	5785	Sum	14.67	29.44	Pass
NVNT	n20	5825	Ant1	11.75	29.44	Pass
NVNT	n20	5825	Ant2	11.74	29.44	Pass
NVNT	n20	5825	Sum	14.76	29.44	Pass
NVNT	n40	5755	Ant1	11.79	29.44	Pass
NVNT	n40	5755	Ant2	11.94	29.44	Pass
NVNT	n40	5755	Sum	14.88	29.44	Pass
NVNT	n40	5795	Ant1	12.16	29.44	Pass
NVNT	n40	5795	Ant2	11.86	29.44	Pass
NVNT	n40	5795	Sum	15.02	29.44	Pass

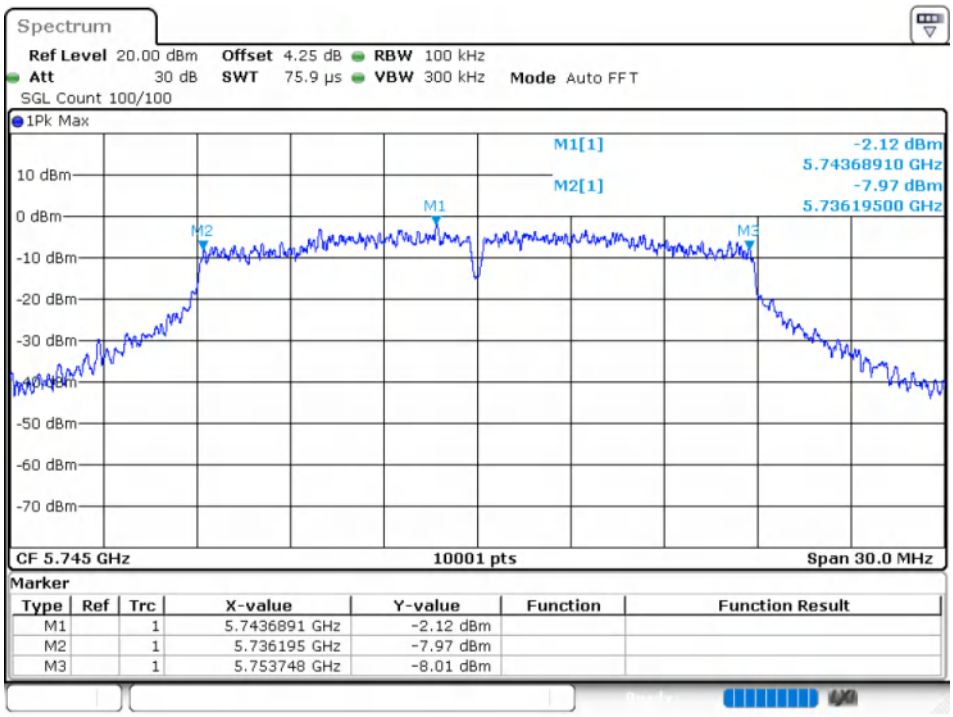
Note:The test has added Duty Factor.

-6dB Bandwidth

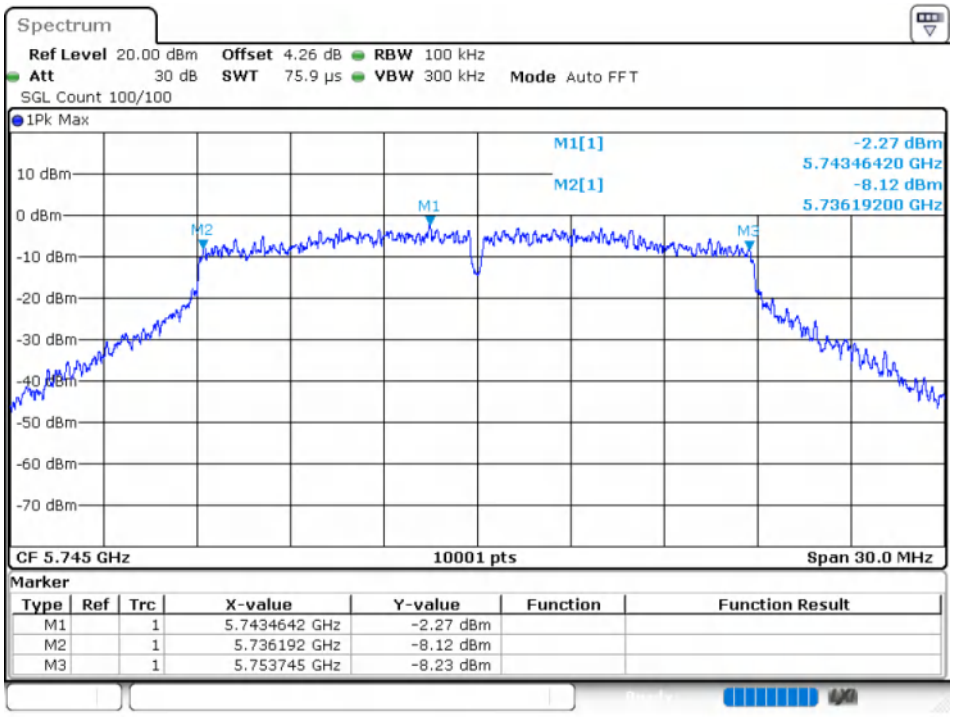
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5745	Ant1	17.553	0.5	Pass
NVNT	ac20	5745	Ant2	17.553	0.5	Pass
NVNT	ac20	5785	Ant1	17.574	0.5	Pass
NVNT	ac20	5785	Ant2	15.069	0.5	Pass
NVNT	ac20	5825	Ant1	17.58	0.5	Pass
NVNT	ac20	5825	Ant2	17.601	0.5	Pass
NVNT	ac40	5755	Ant1	31.926	0.5	Pass
NVNT	ac40	5755	Ant2	32.586	0.5	Pass
NVNT	ac40	5795	Ant1	30.924	0.5	Pass
NVNT	ac40	5795	Ant2	35.286	0.5	Pass
NVNT	ac80	5775	Ant1	72.54	0.5	Pass
NVNT	ac80	5775	Ant2	71.328	0.5	Pass
NVNT	n20	5745	Ant1	17.571	0.5	Pass
NVNT	n20	5745	Ant2	13.197	0.5	Pass
NVNT	n20	5785	Ant1	17.586	0.5	Pass
NVNT	n20	5785	Ant2	17.553	0.5	Pass
NVNT	n20	5825	Ant1	17.574	0.5	Pass
NVNT	n20	5825	Ant2	17.589	0.5	Pass
NVNT	n40	5755	Ant1	32.562	0.5	Pass
NVNT	n40	5755	Ant2	35.328	0.5	Pass
NVNT	n40	5795	Ant1	35.094	0.5	Pass
NVNT	n40	5795	Ant2	31.95	0.5	Pass

Test Graphs

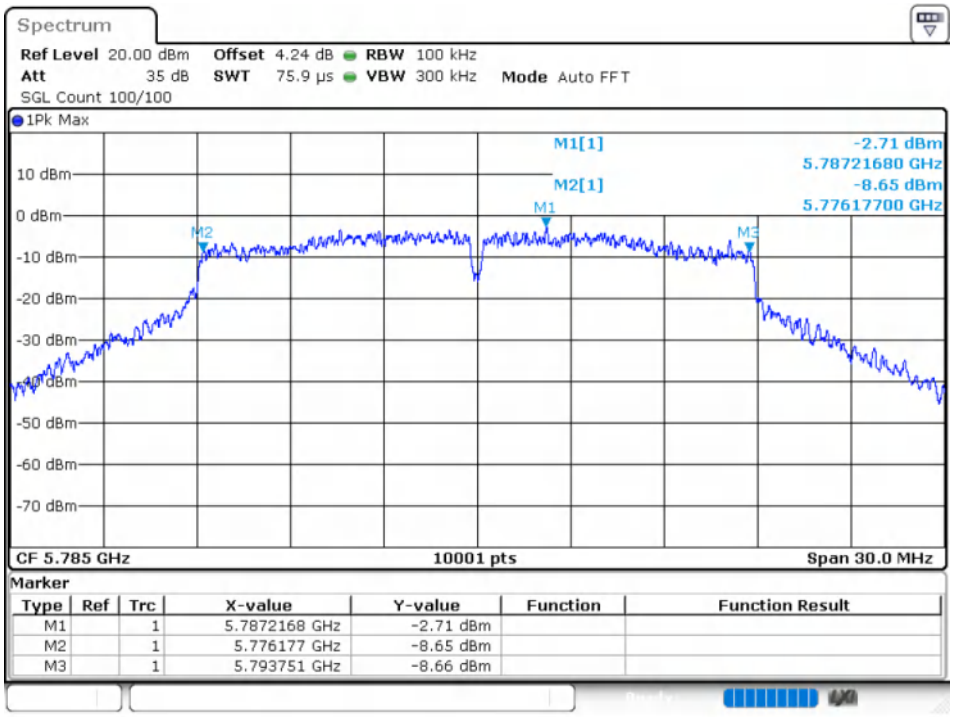
-6dB Bandwidth NVNT ac20 5745MHz Ant1



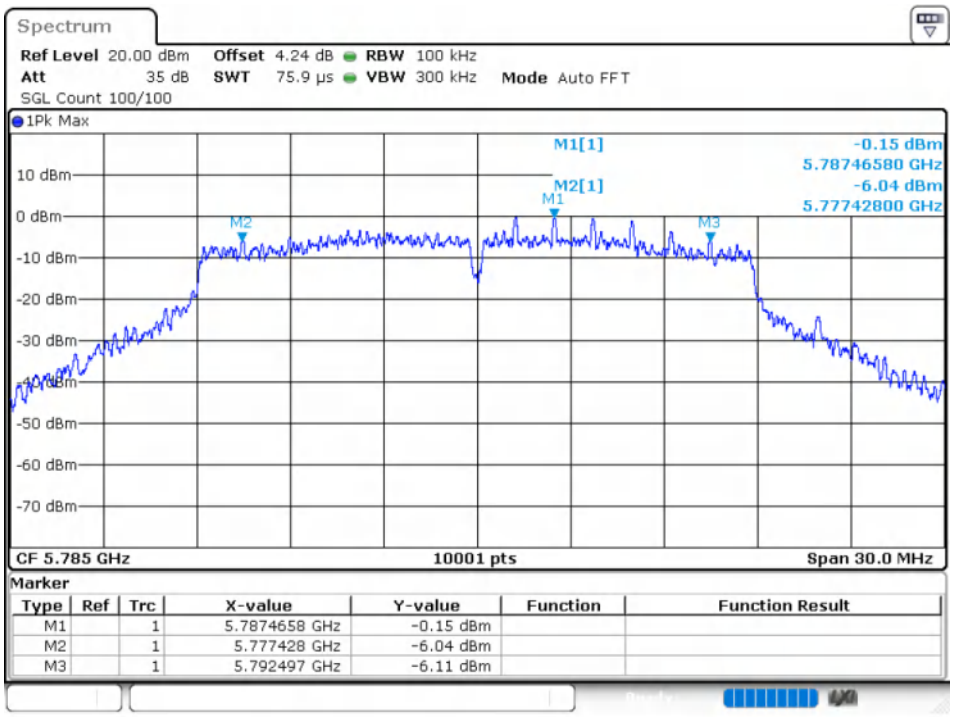
-6dB Bandwidth NVNT ac20 5745MHz Ant2



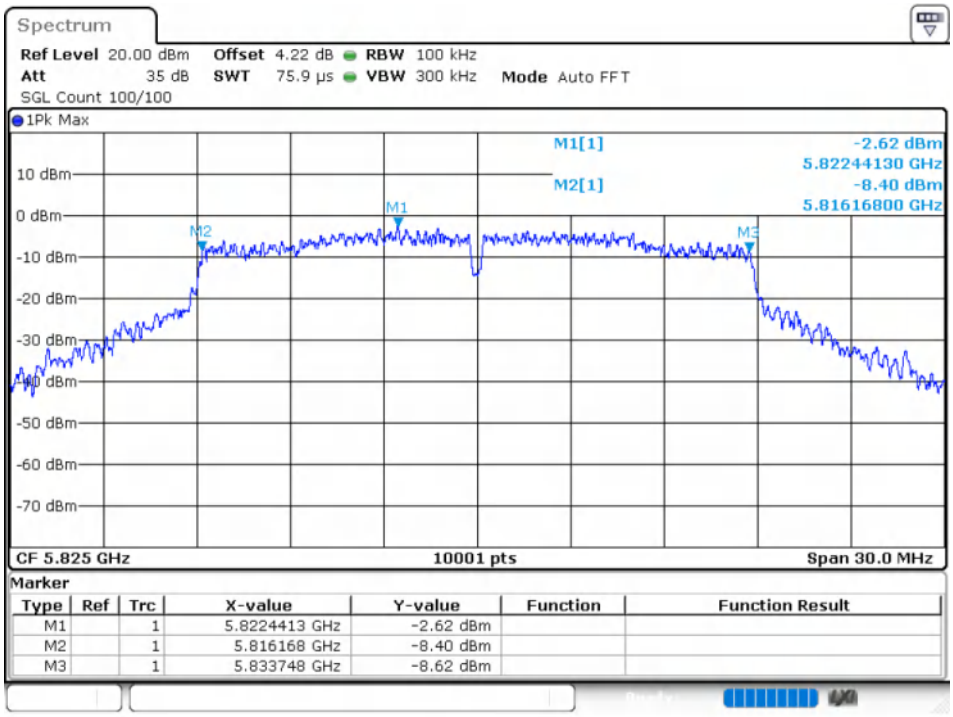
-6dB Bandwidth NVNT ac20 5785MHz Ant1



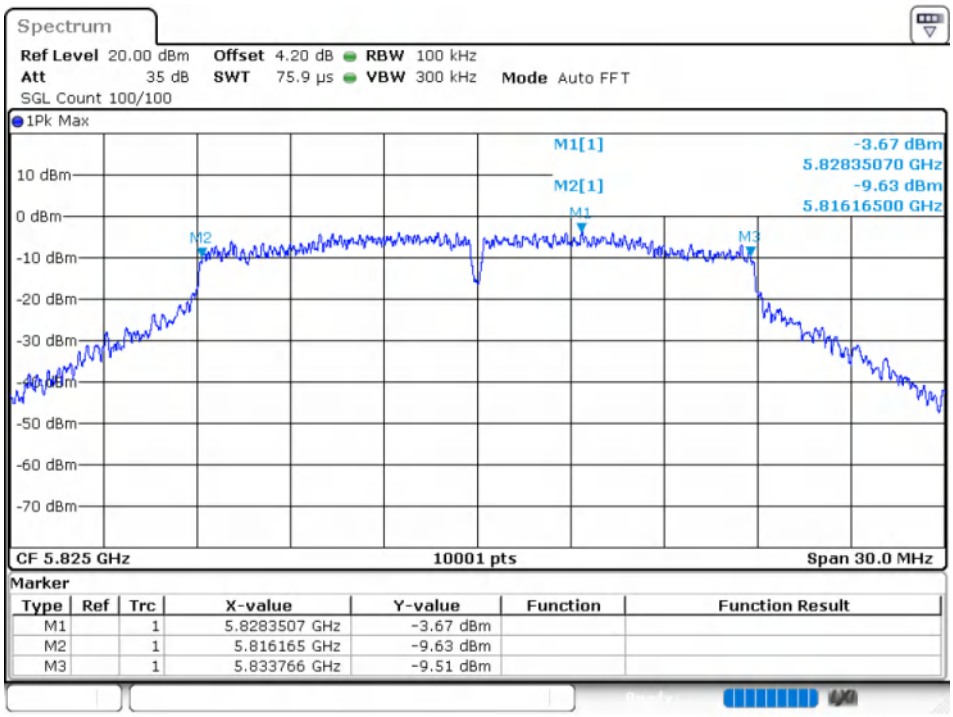
-6dB Bandwidth NVNT ac20 5785MHz Ant2



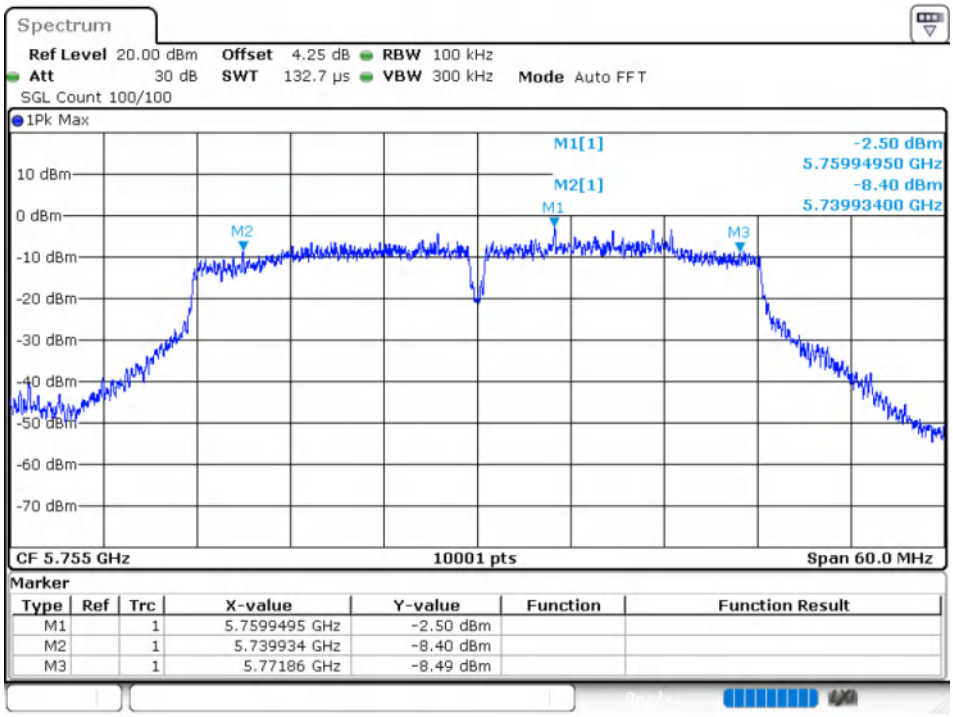
-6dB Bandwidth NVNT ac20 5825MHz Ant1



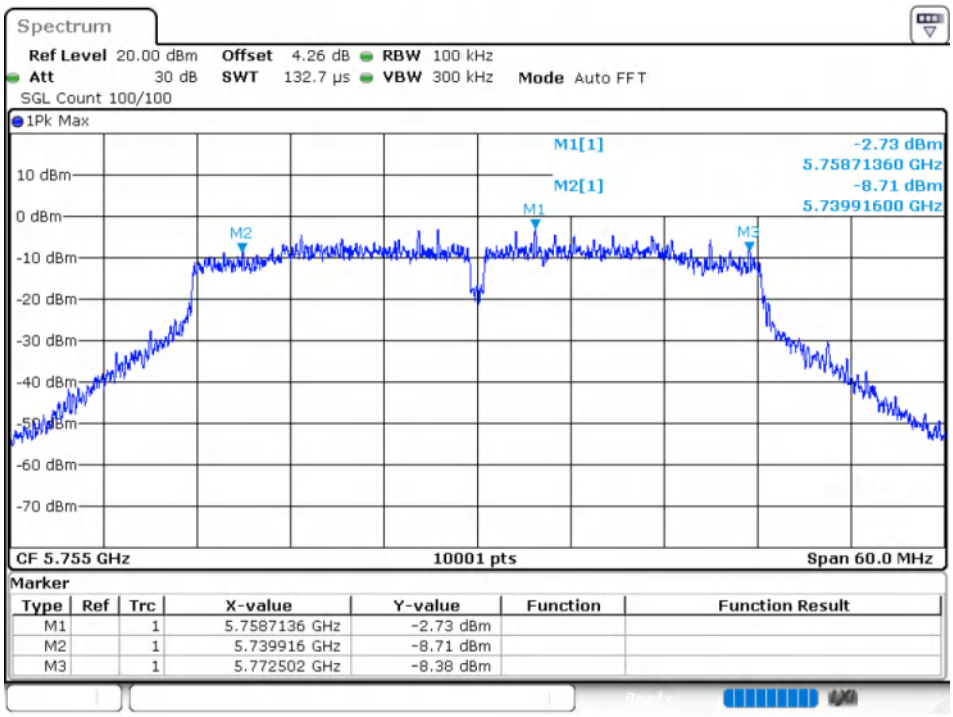
-6dB Bandwidth NVNT ac20 5825MHz Ant2



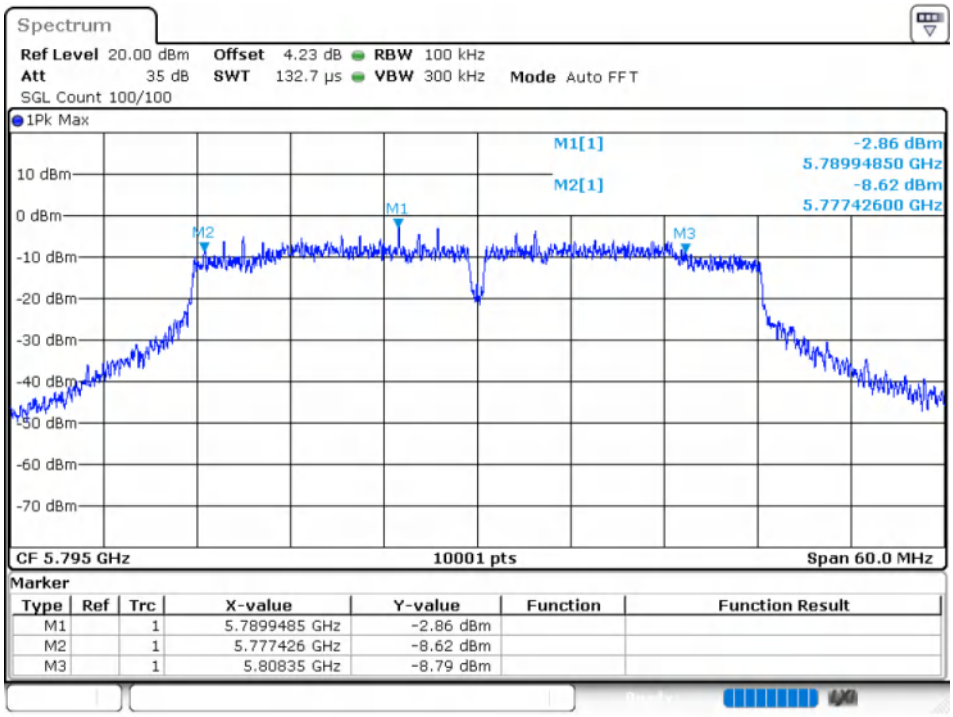
-6dB Bandwidth NVNT ac40 5755MHz Ant1



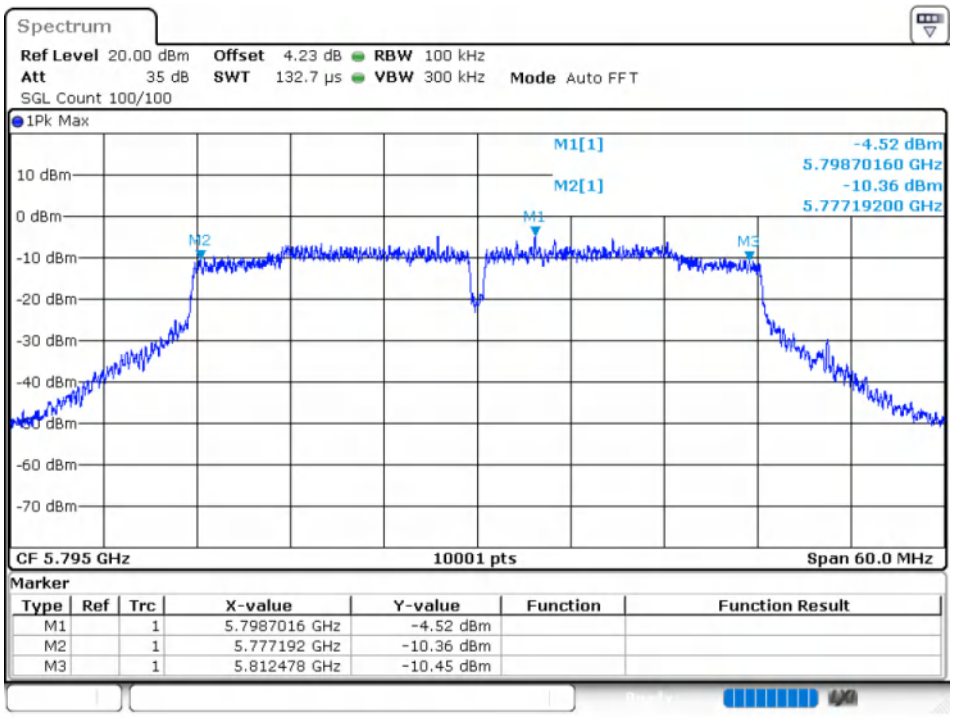
-6dB Bandwidth NVNT ac40 5755MHz Ant2



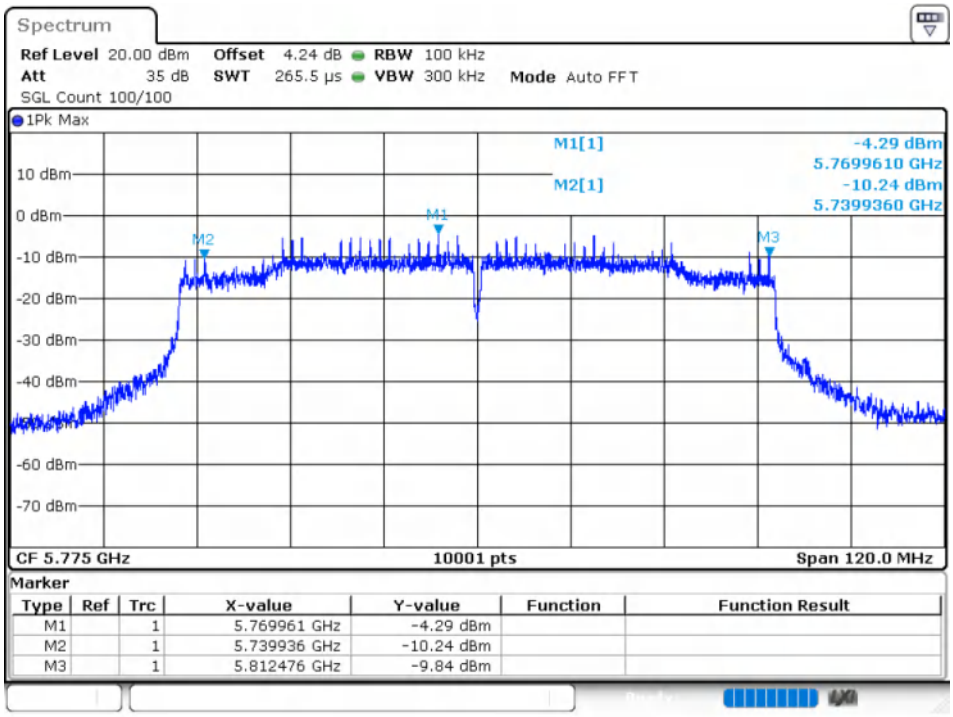
-6dB Bandwidth NVNT ac40 5795MHz Ant1



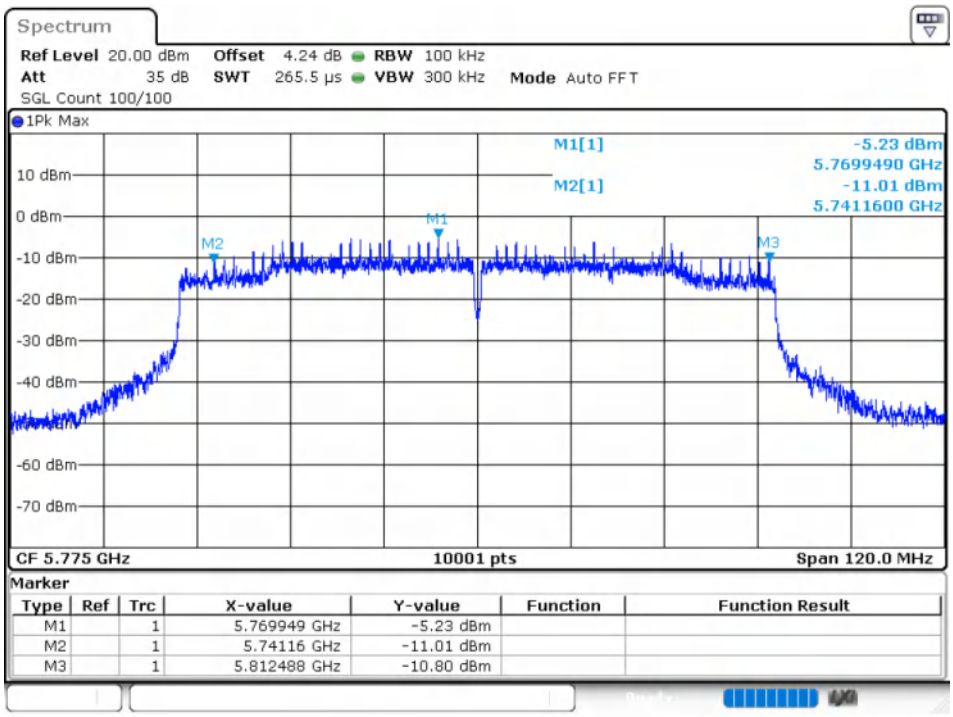
-6dB Bandwidth NVNT ac40 5795MHz Ant2



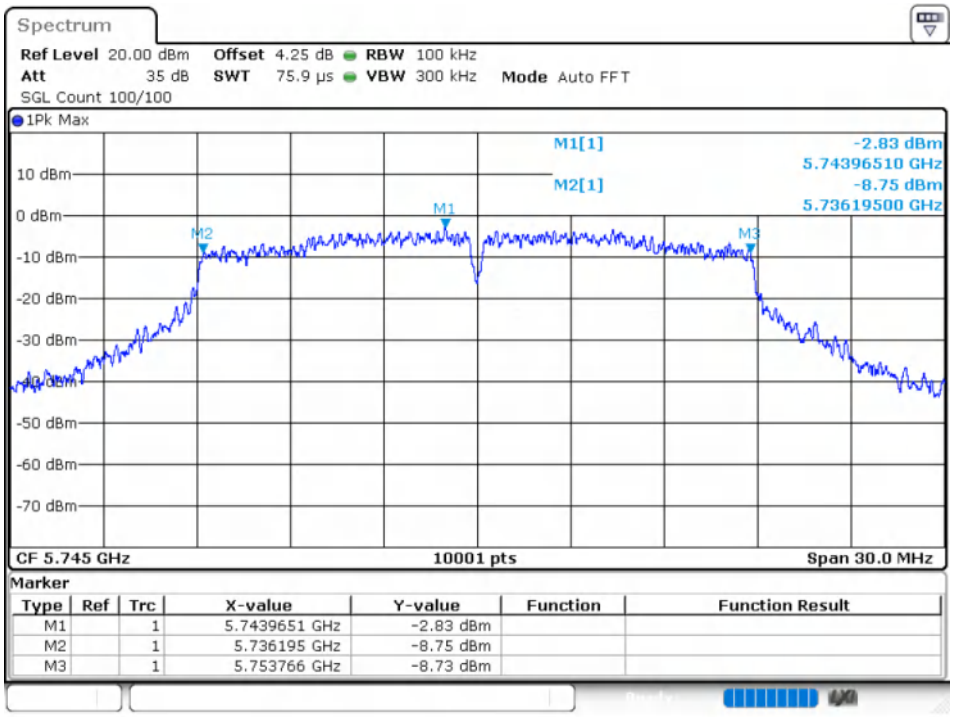
-6dB Bandwidth NVNT ac80 5775MHz Ant1



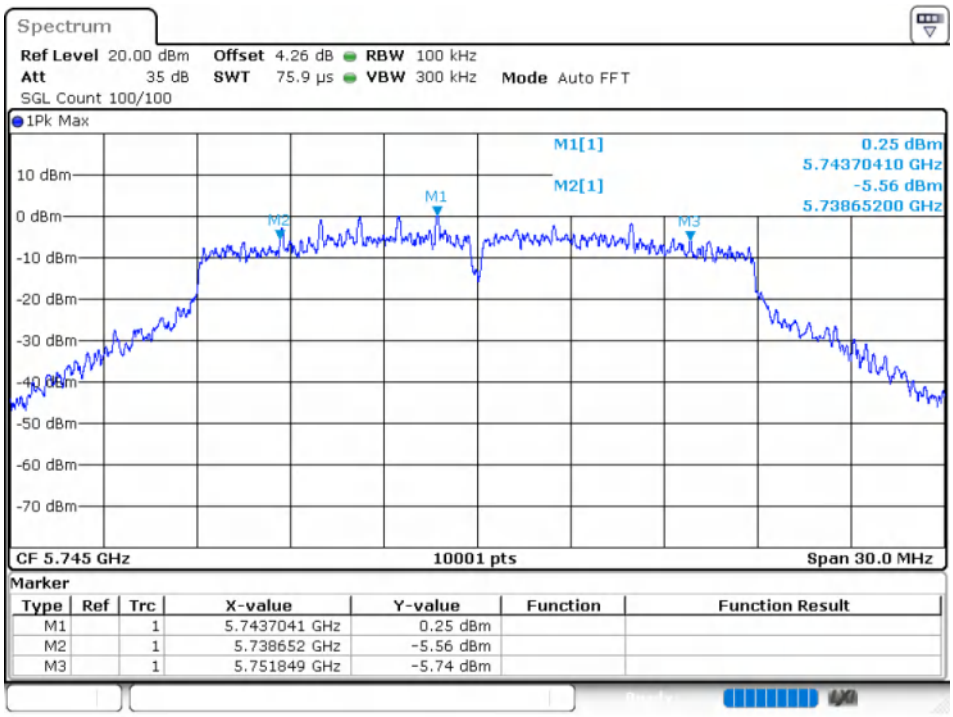
-6dB Bandwidth NVNT ac80 5775MHz Ant2



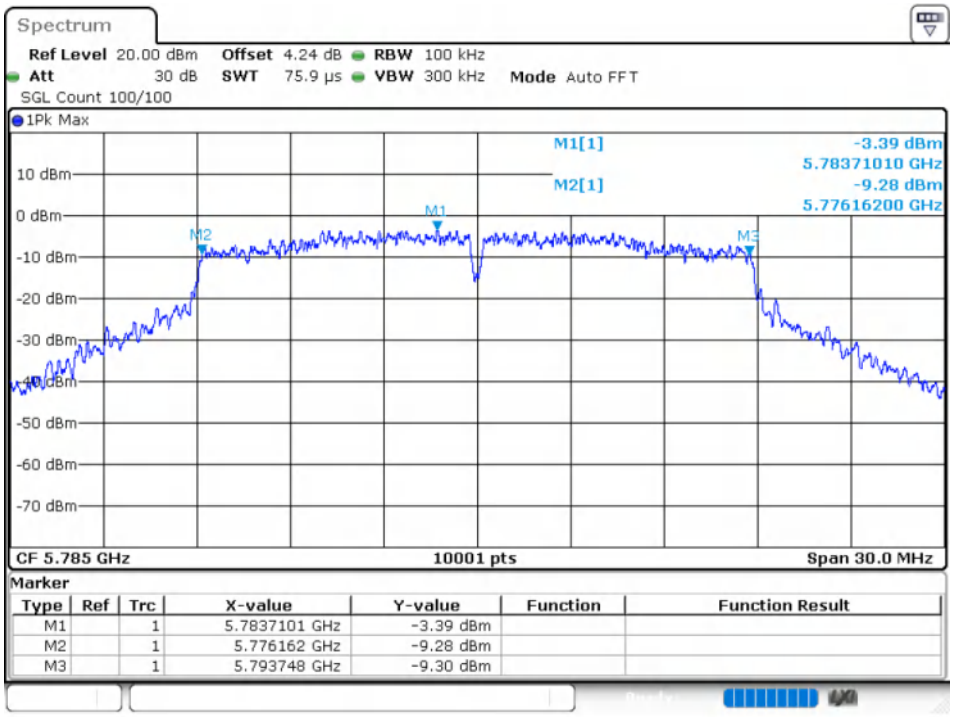
-6dB Bandwidth NVNT n20 5745MHz Ant1



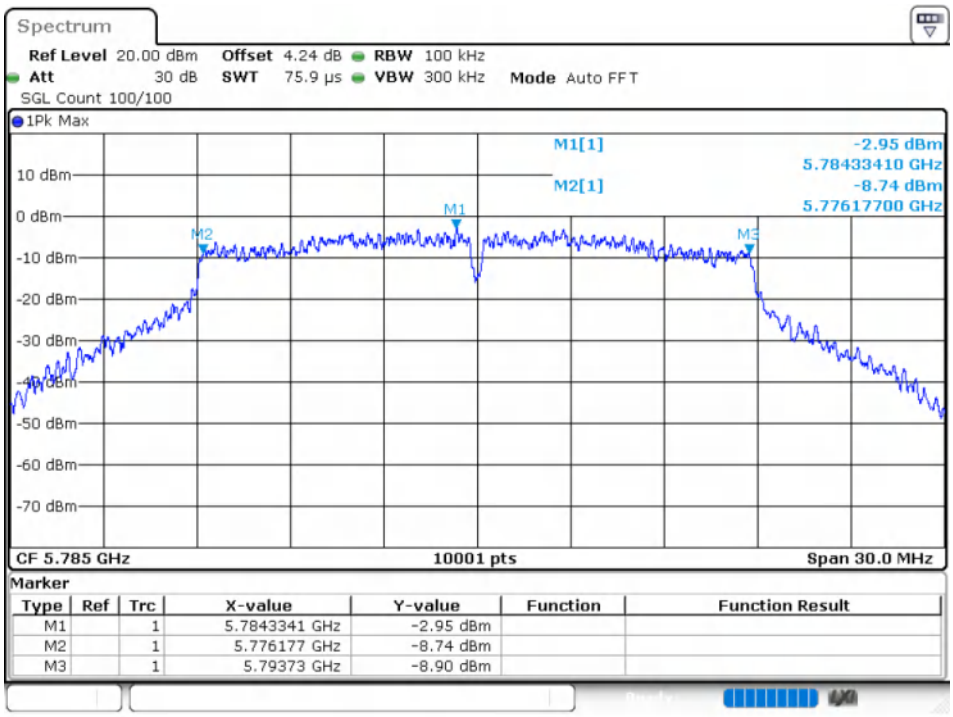
-6dB Bandwidth NVNT n20 5745MHz Ant2



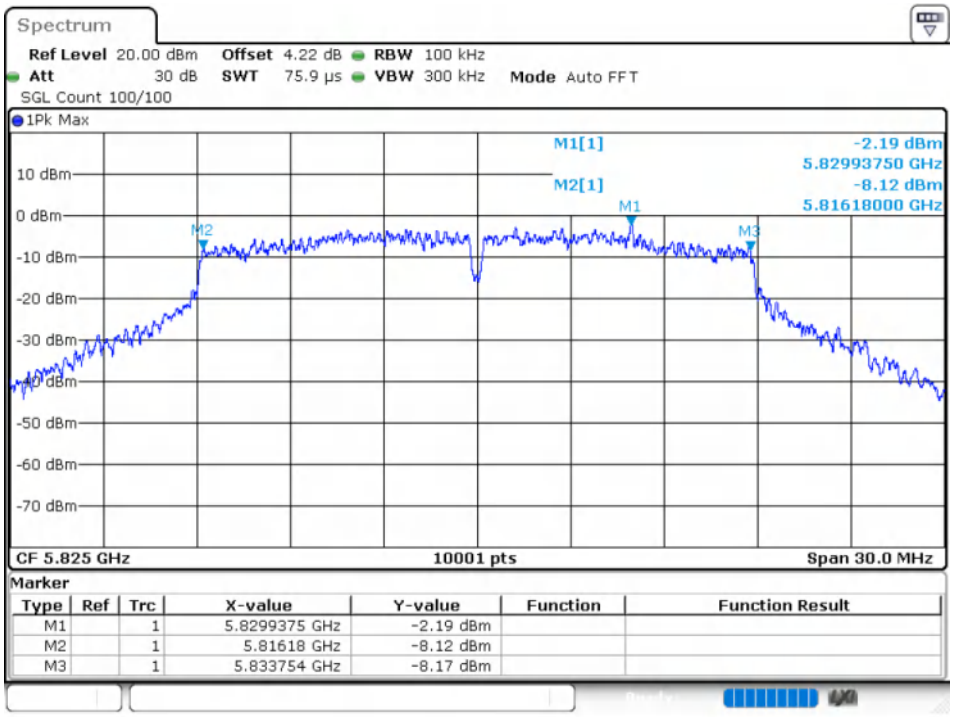
-6dB Bandwidth NVNT n20 5785MHz Ant1



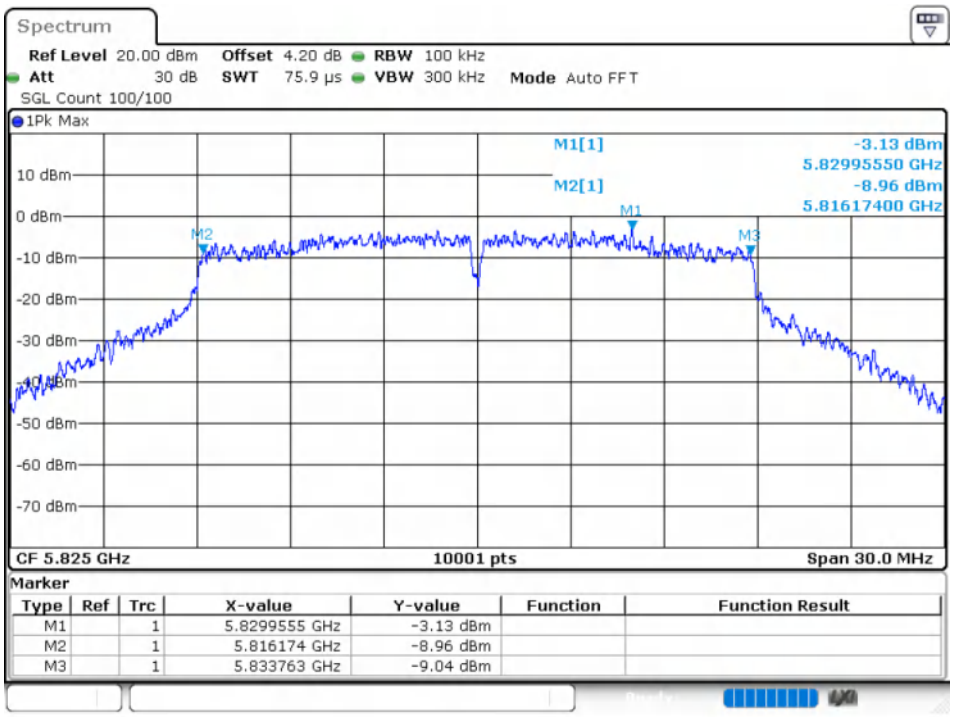
-6dB Bandwidth NVNT n20 5785MHz Ant2



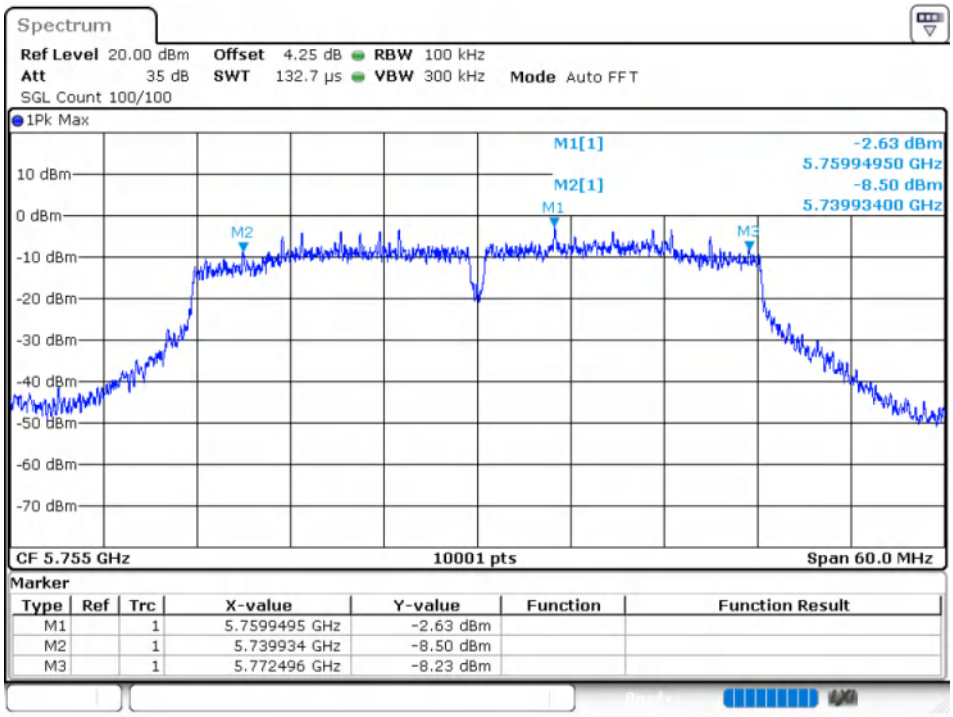
-6dB Bandwidth NVNT n20 5825MHz Ant1



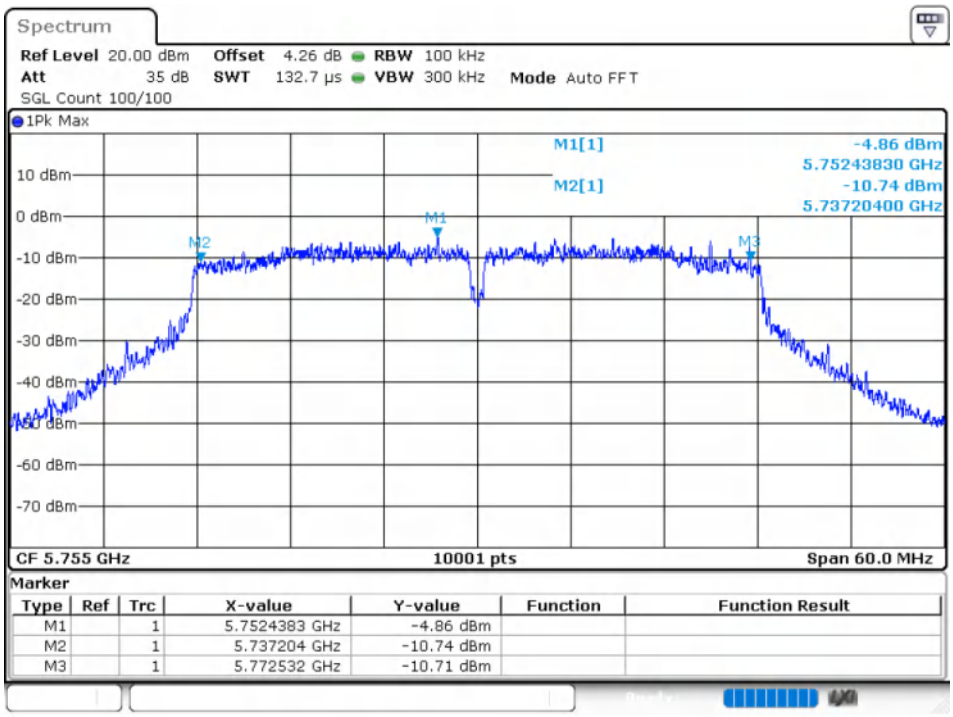
-6dB Bandwidth NVNT n20 5825MHz Ant2



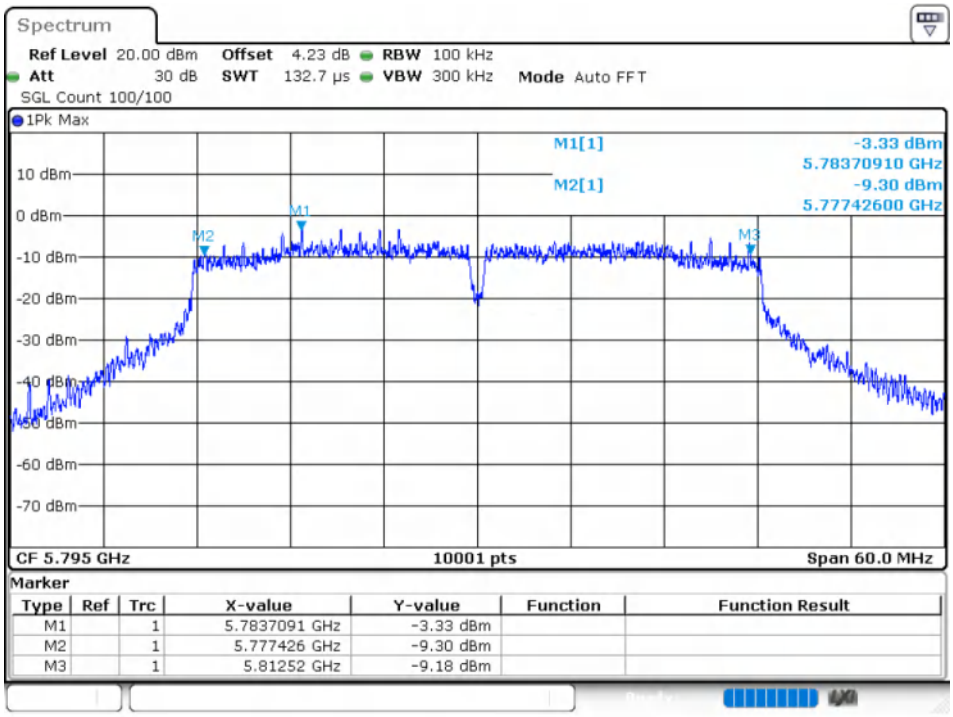
-6dB Bandwidth NVNT n40 5755MHz Ant1



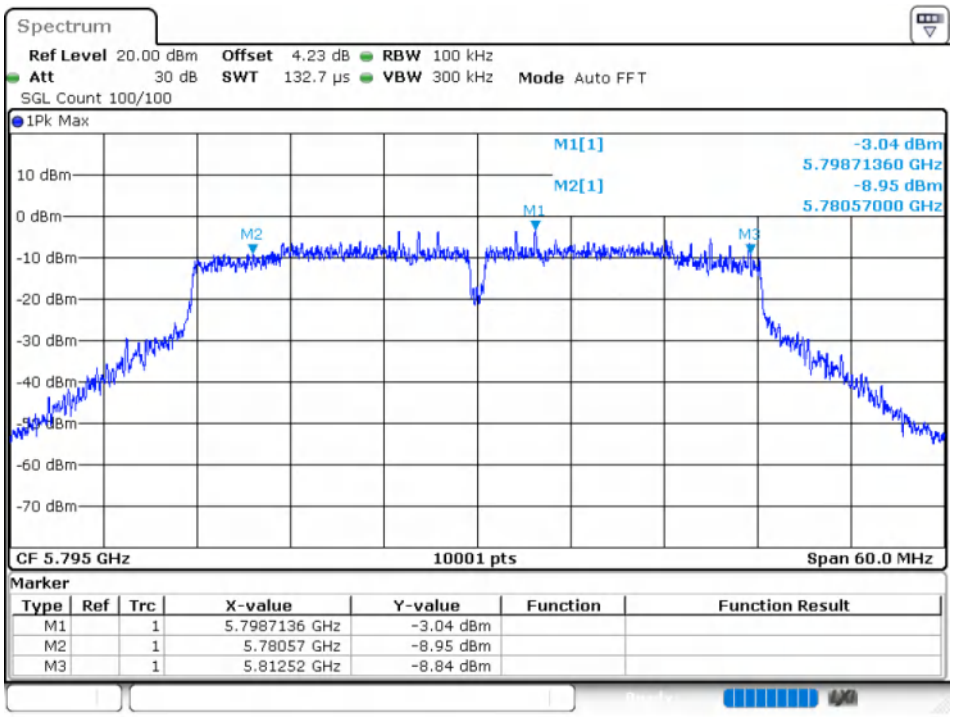
-6dB Bandwidth NVNT n40 5755MHz Ant2



-6dB Bandwidth NVNT n40 5795MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant2

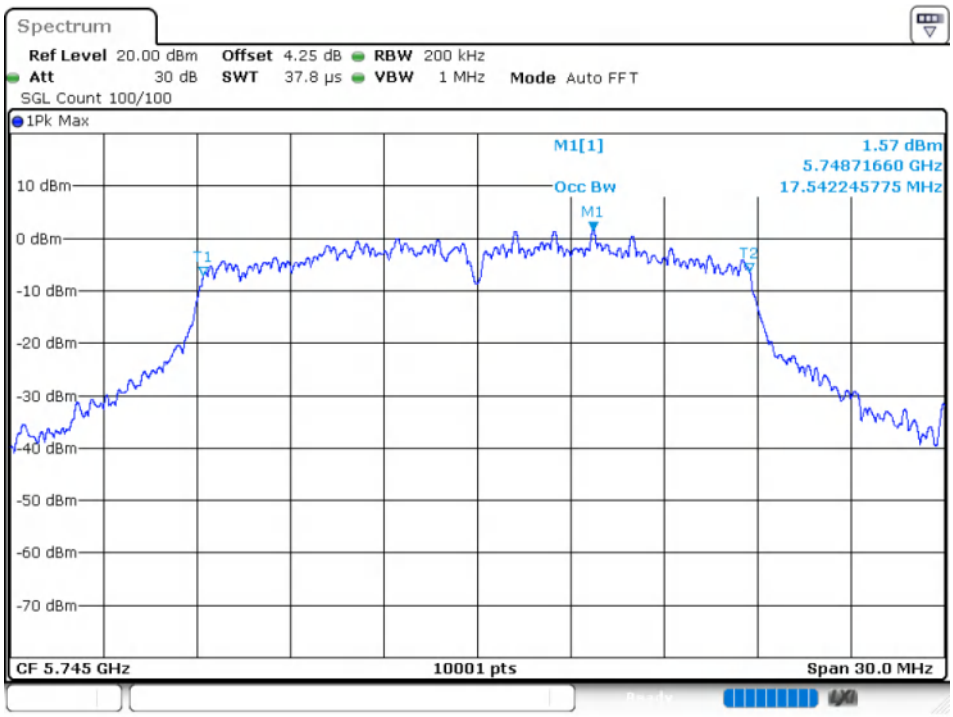


Occupied Channel Bandwidth

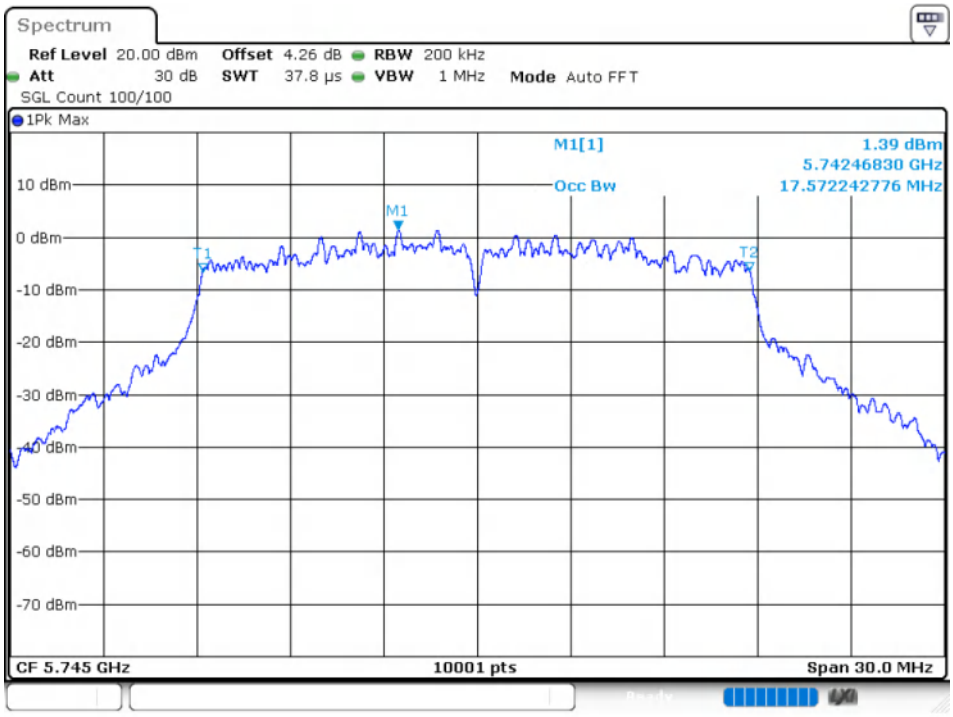
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5745	Ant1	17.542
NVNT	ac20	5745	Ant2	17.572
NVNT	ac20	5785	Ant1	17.731
NVNT	ac20	5785	Ant2	17.578
NVNT	ac20	5825	Ant1	17.68
NVNT	ac20	5825	Ant2	17.635
NVNT	ac40	5755	Ant1	35.972
NVNT	ac40	5755	Ant2	36.056
NVNT	ac40	5795	Ant1	36.134
NVNT	ac40	5795	Ant2	36.116
NVNT	ac80	5775	Ant1	74.969
NVNT	ac80	5775	Ant2	75.064
NVNT	n20	5745	Ant1	17.638
NVNT	n20	5745	Ant2	17.611
NVNT	n20	5785	Ant1	17.635
NVNT	n20	5785	Ant2	17.671
NVNT	n20	5825	Ant1	17.686
NVNT	n20	5825	Ant2	17.623
NVNT	n40	5755	Ant1	36.008
NVNT	n40	5755	Ant2	36.044
NVNT	n40	5795	Ant1	36.116
NVNT	n40	5795	Ant2	36.116

Test Graphs

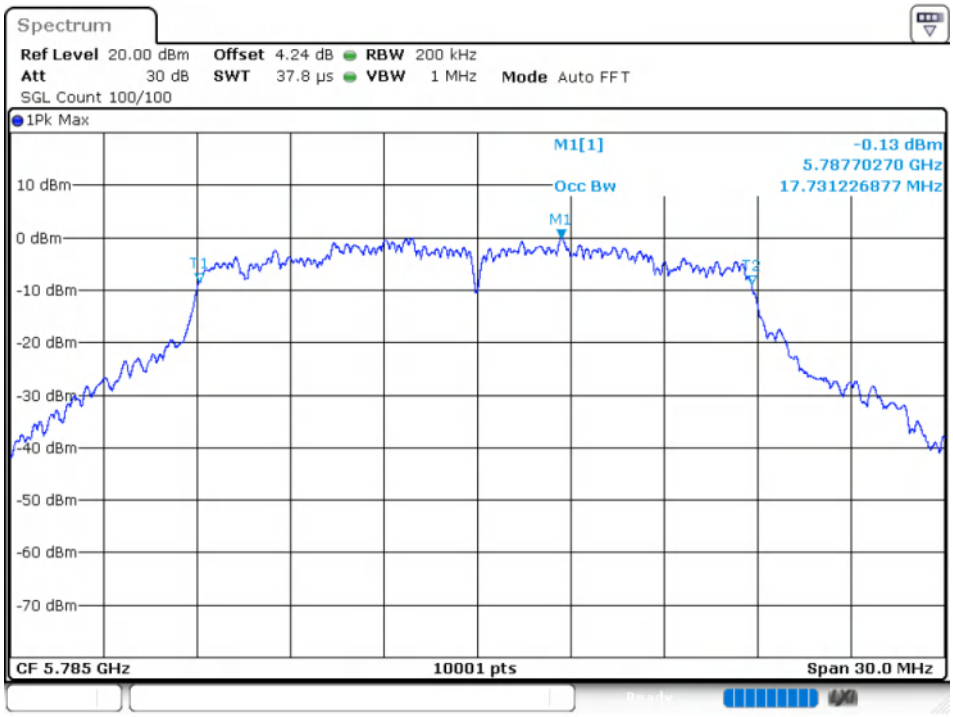
OBW NVNT ac20 5745MHz Ant1



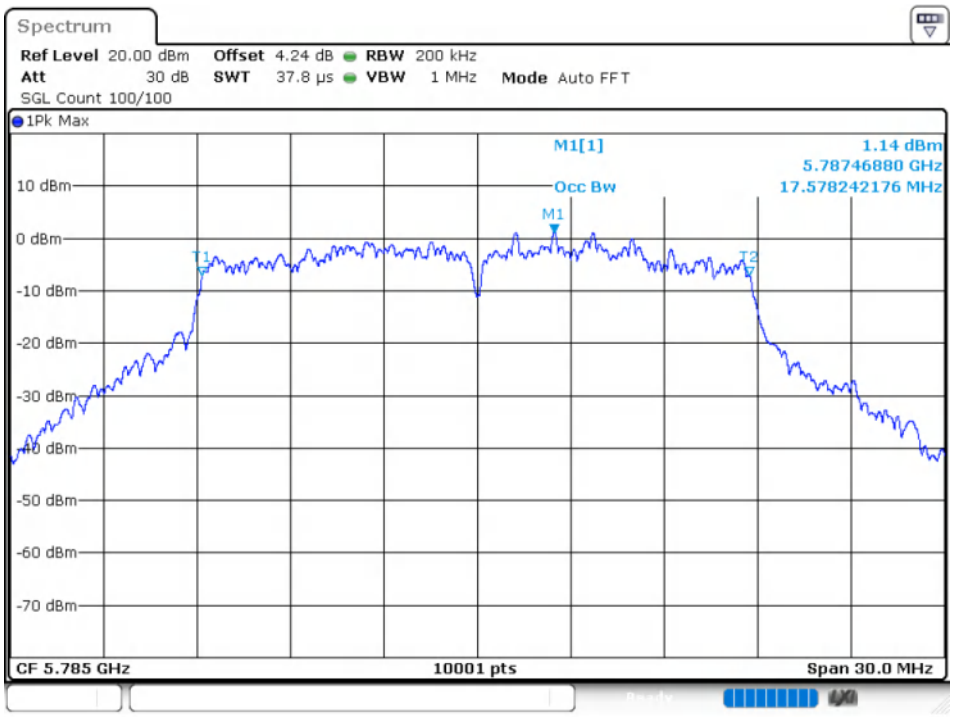
OBW NVNT ac20 5745MHz Ant2



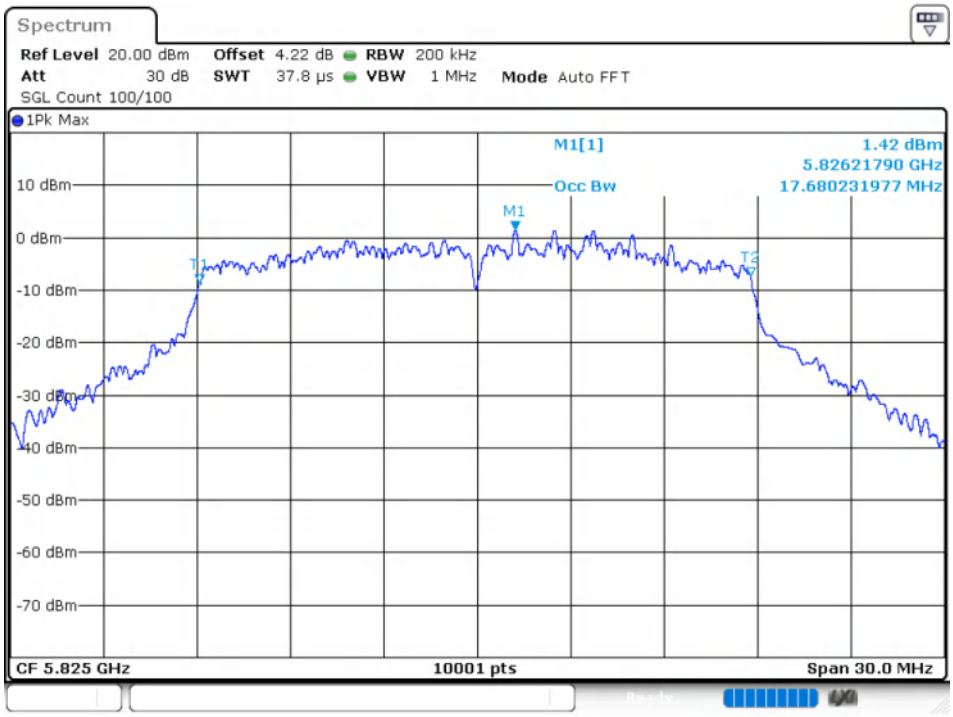
OBW NVNT ac20 5785MHz Ant1



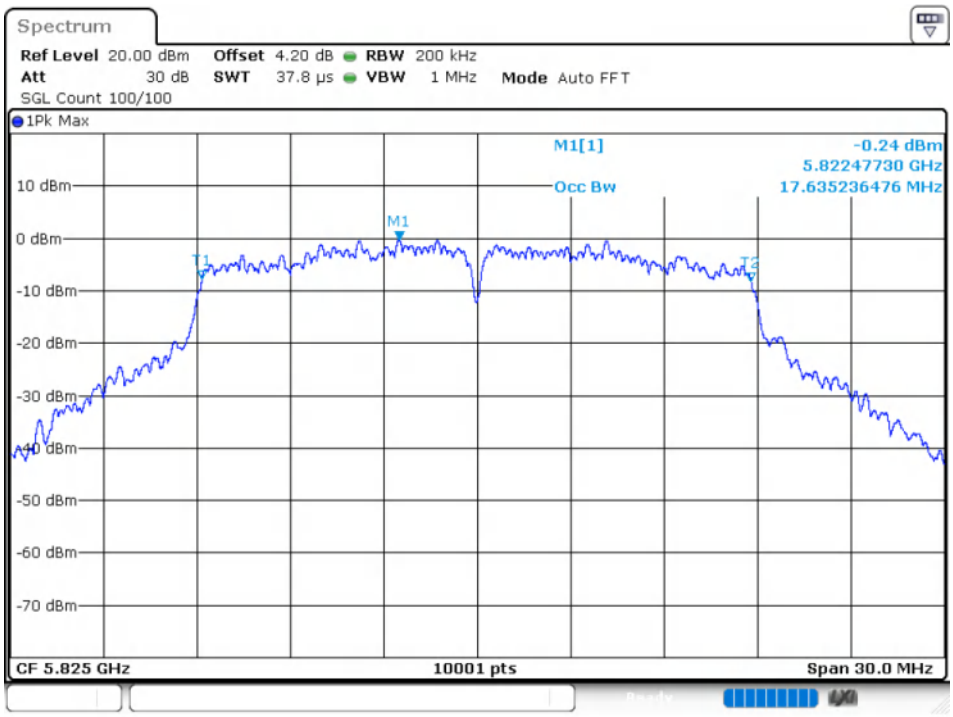
OBW NVNT ac20 5785MHz Ant2



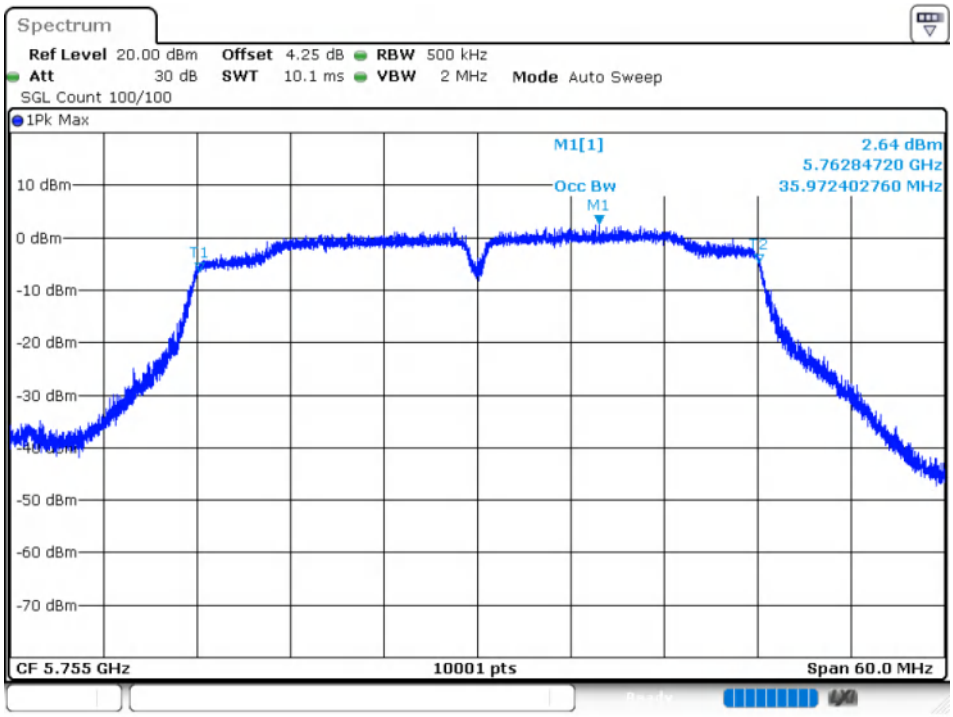
OBW NVNT ac20 5825MHz Ant1



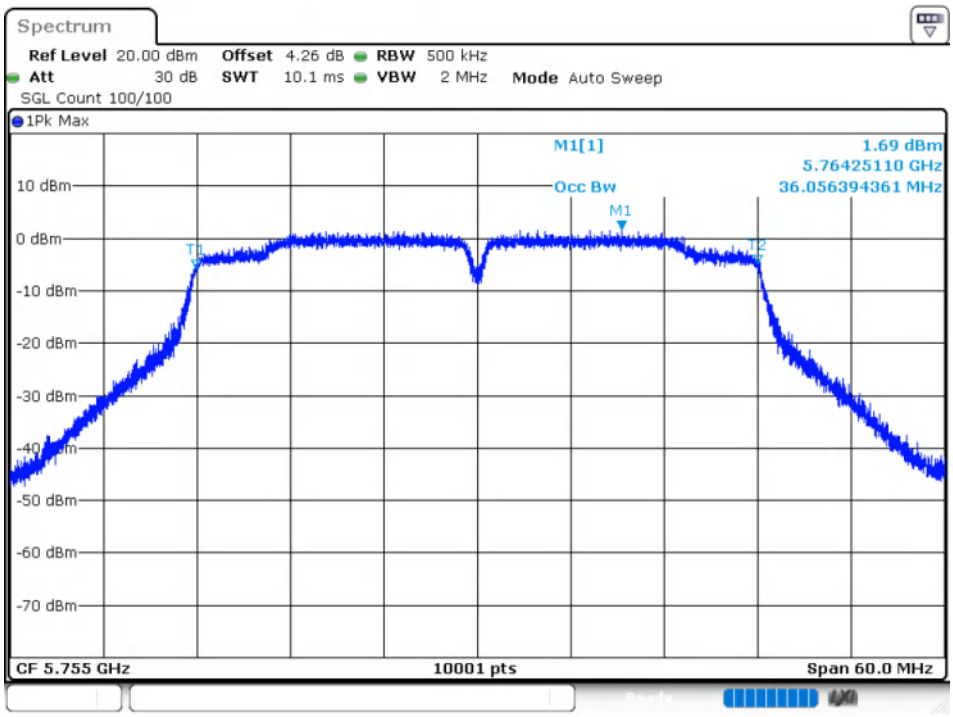
OBW NVNT ac20 5825MHz Ant2



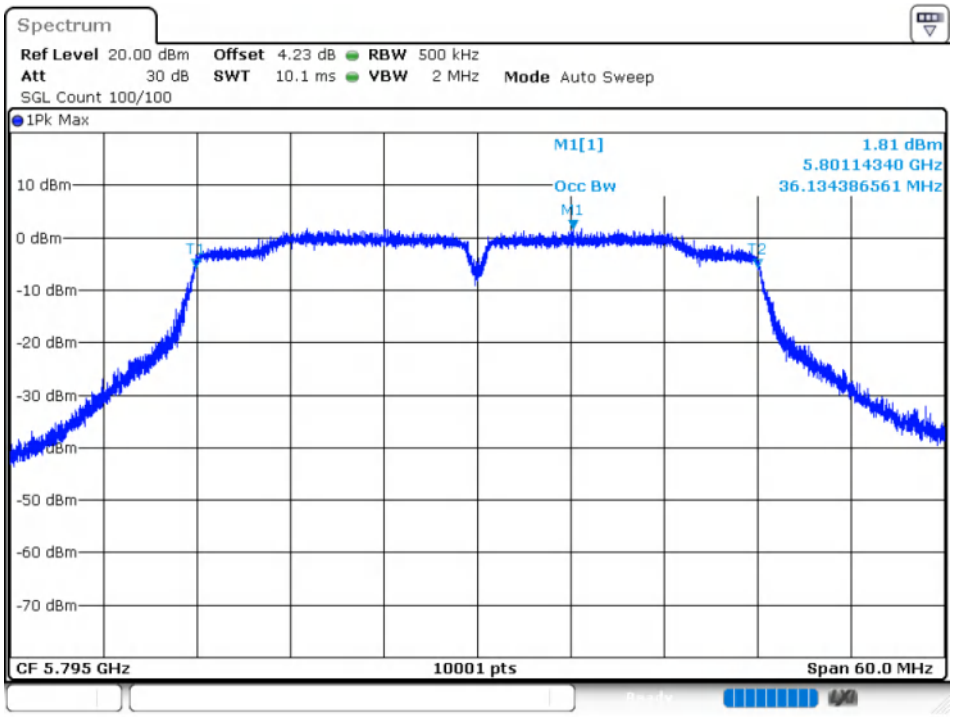
OBW NVNT ac40 5755MHz Ant1



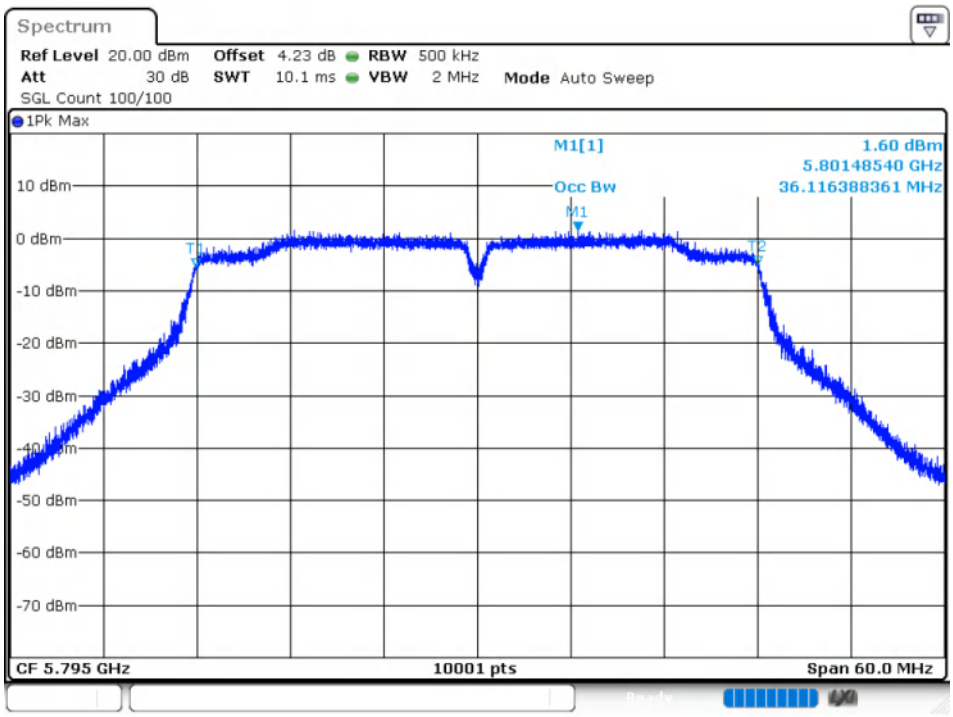
OBW NVNT ac40 5755MHz Ant2



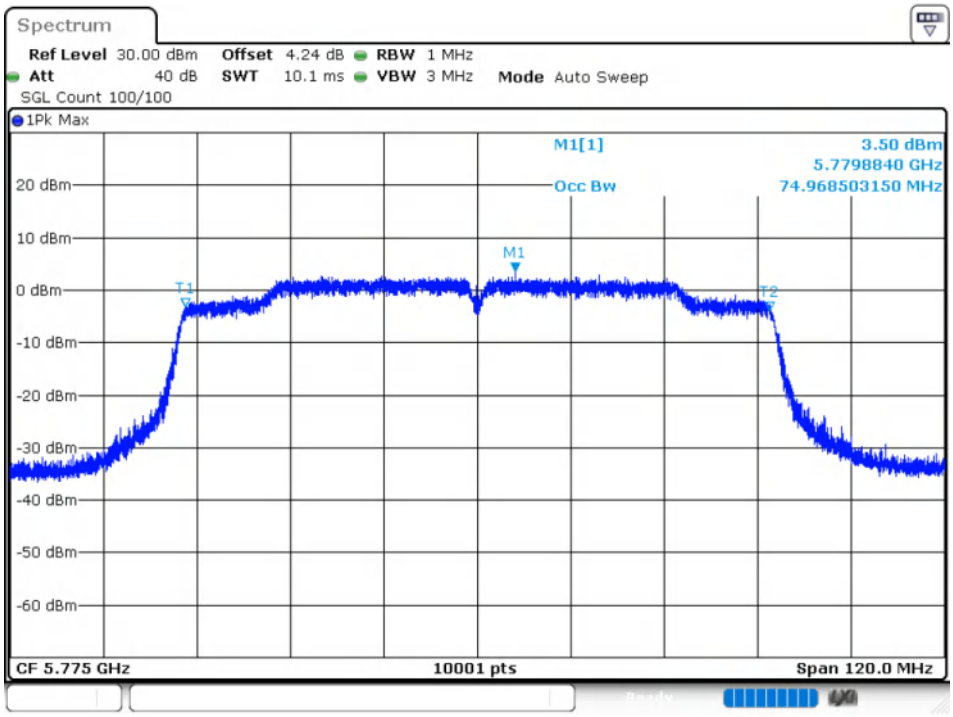
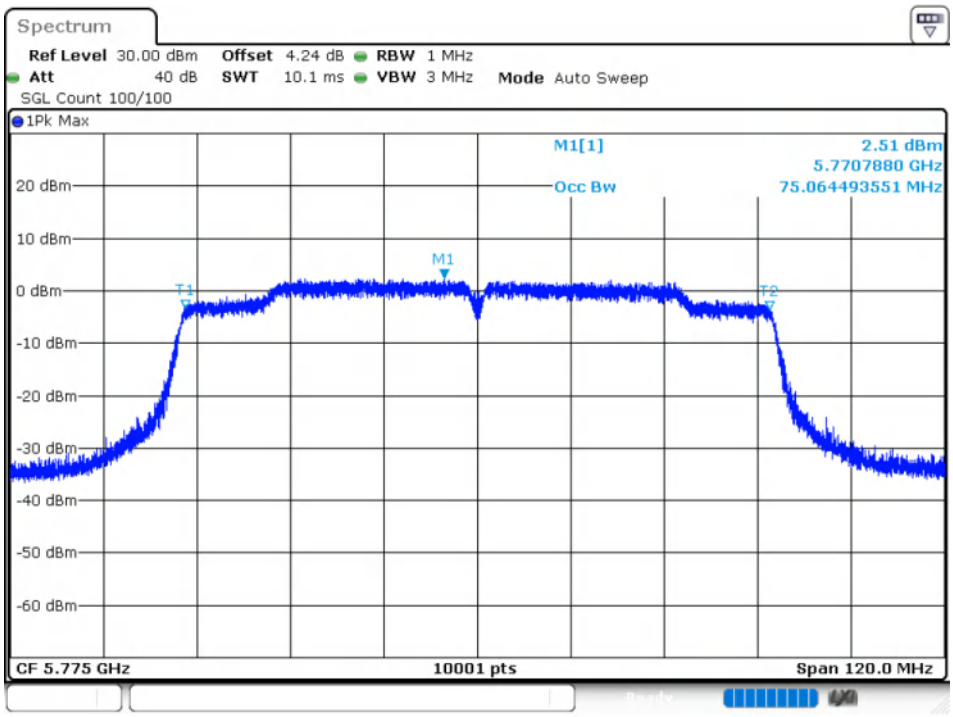
OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac40 5795MHz Ant2



OBW NVNT ac80 5775MHz Ant1



OBW NVNT ac80 5775MHz Ant2