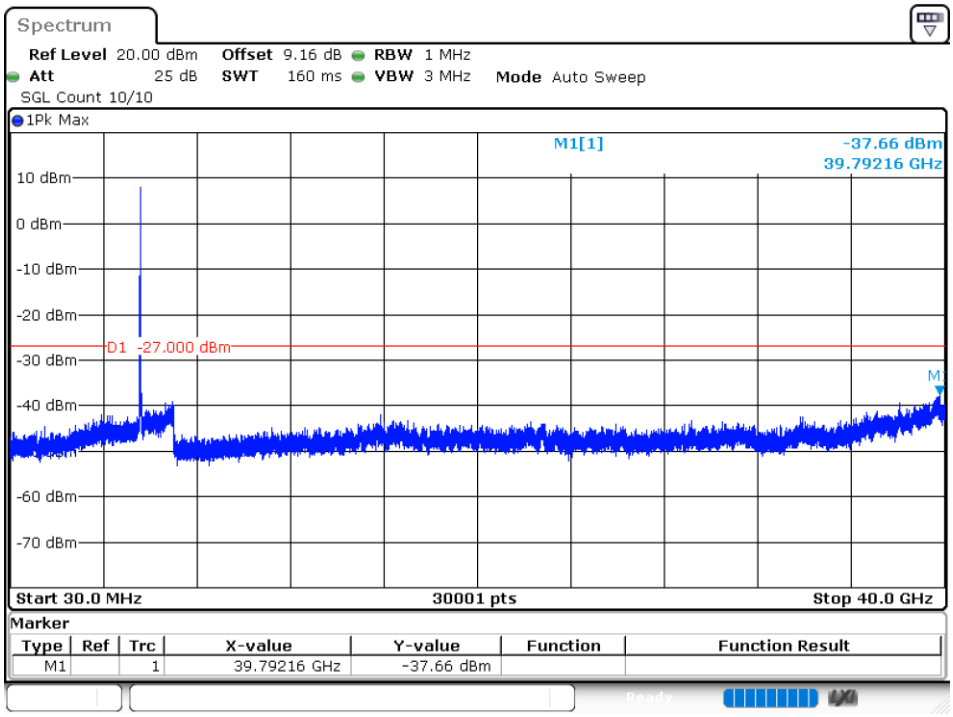
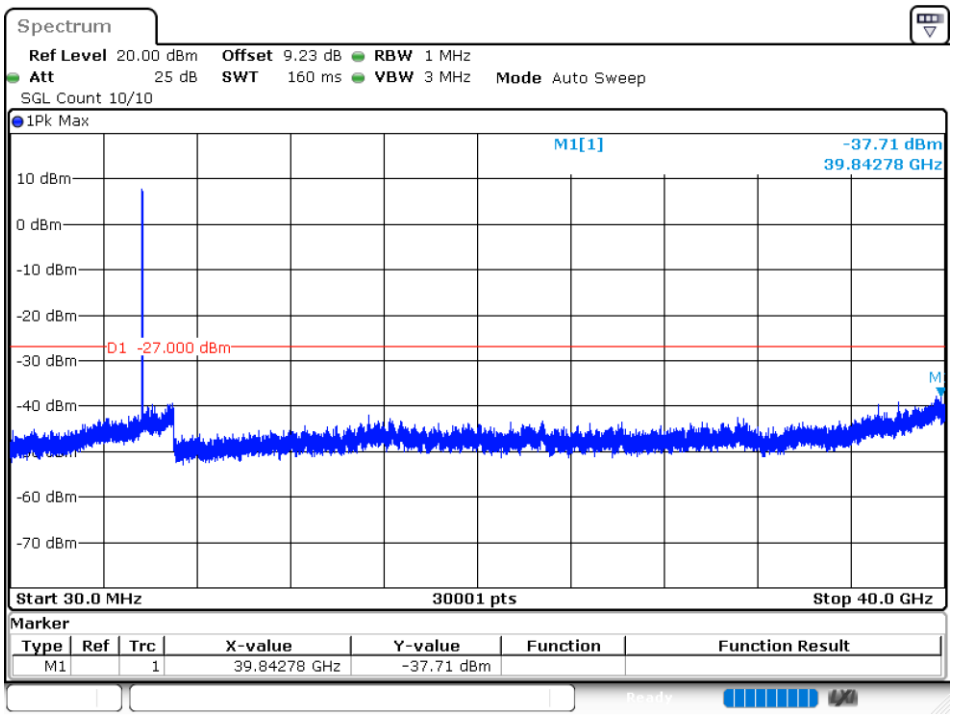
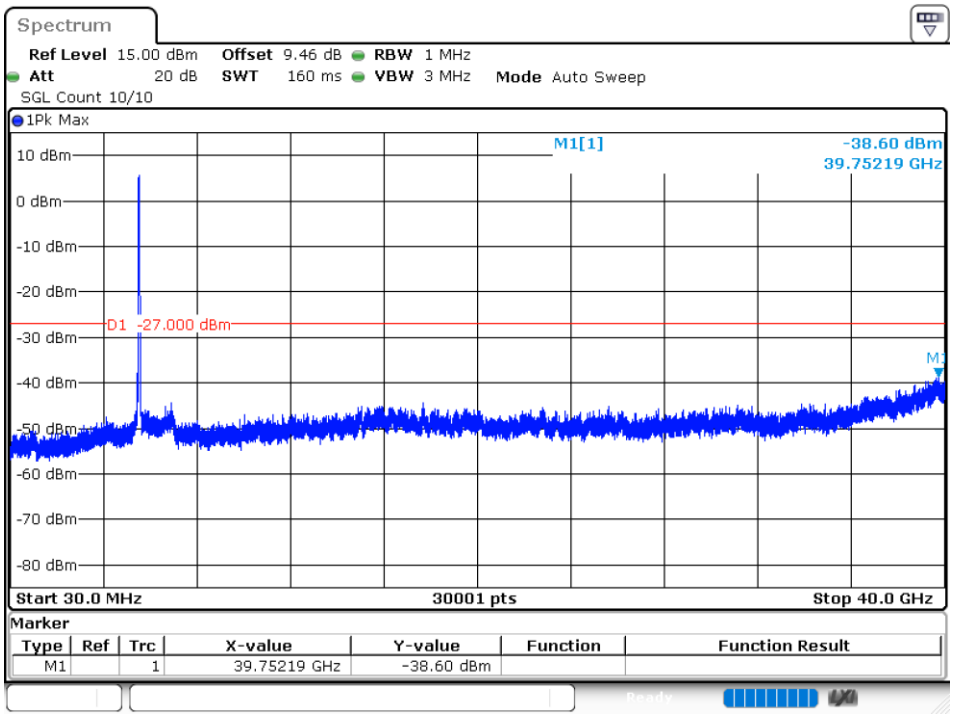
Tx. Spurious NVNT ac40 5590MHz Ant2 Emission



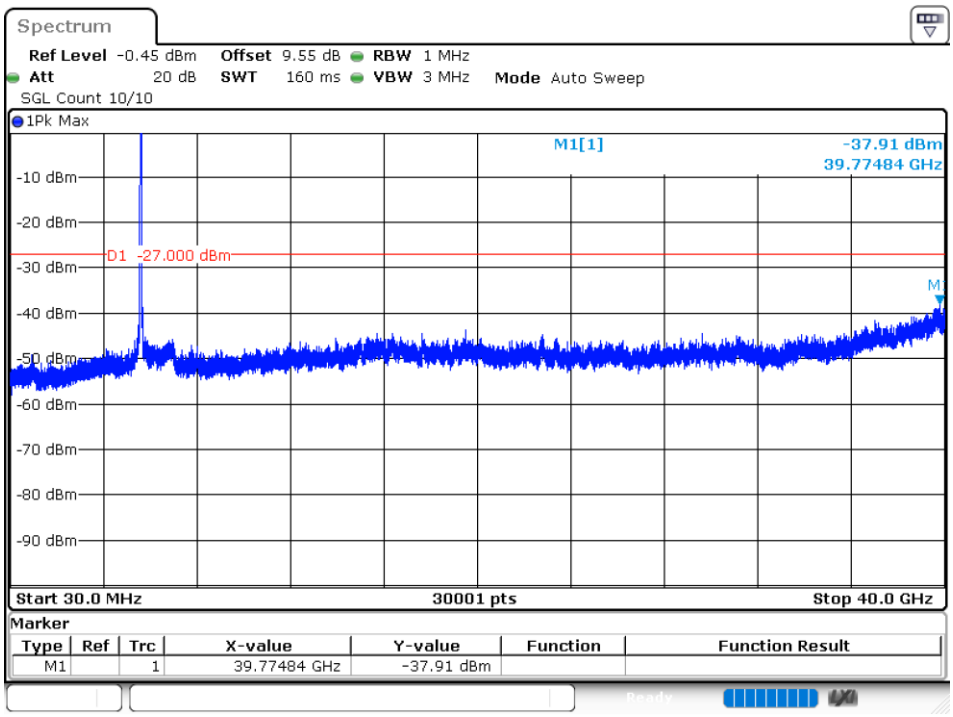
Tx. Spurious NVNT ac40 5670MHz Ant2 Emission



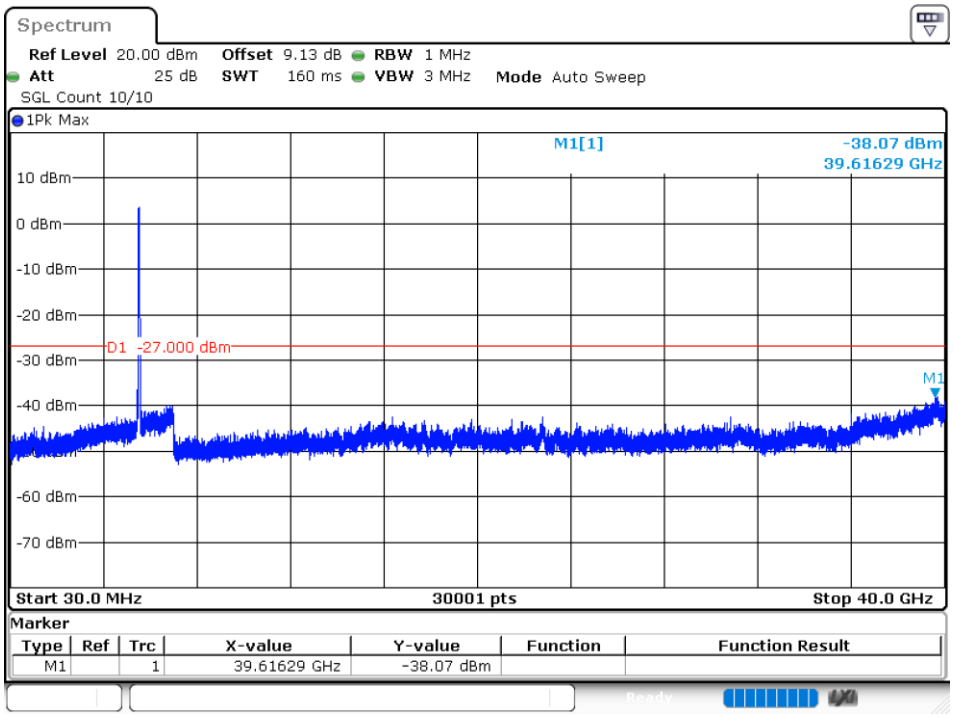
Tx. Spurious NVNT ac80 5530MHz Ant1 Emission



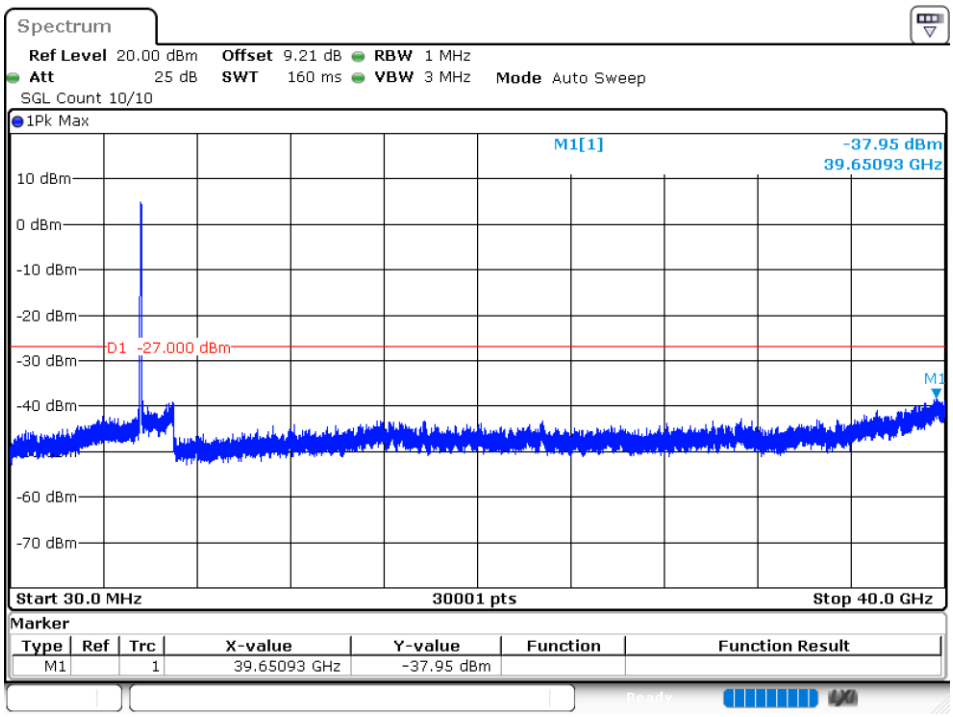
Tx. Spurious NVNT ac80 5610MHz Ant1 Emission



Tx. Spurious NVNT ac80 5530MHz Ant2 Emission



Tx. Spurious NVNT ac80 5610MHz Ant2 Emission



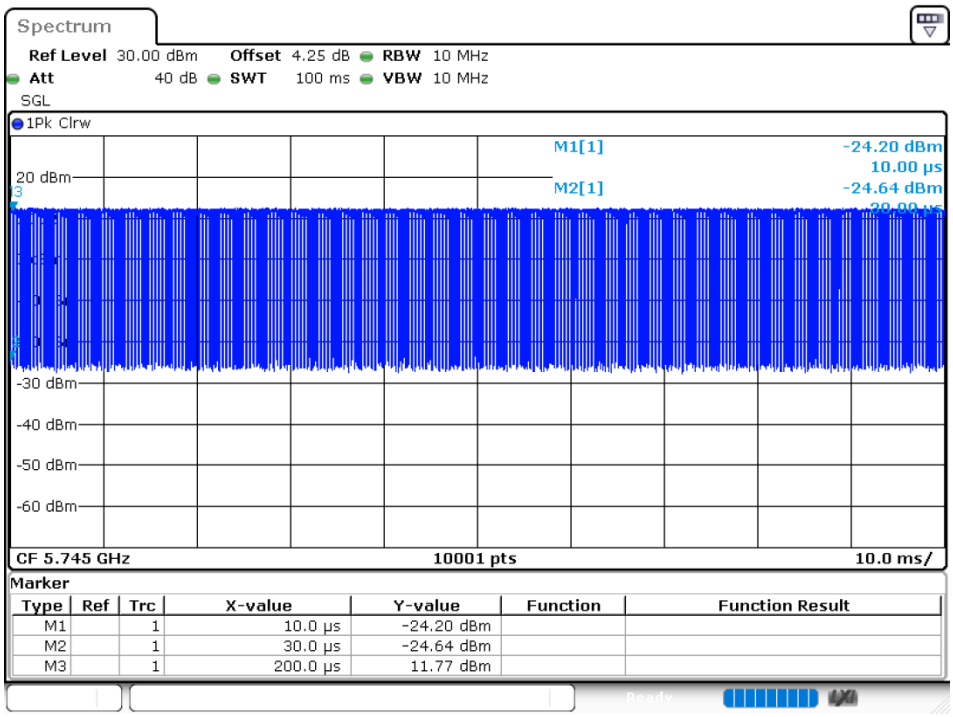
5.8G WIFI

Duty Cycle

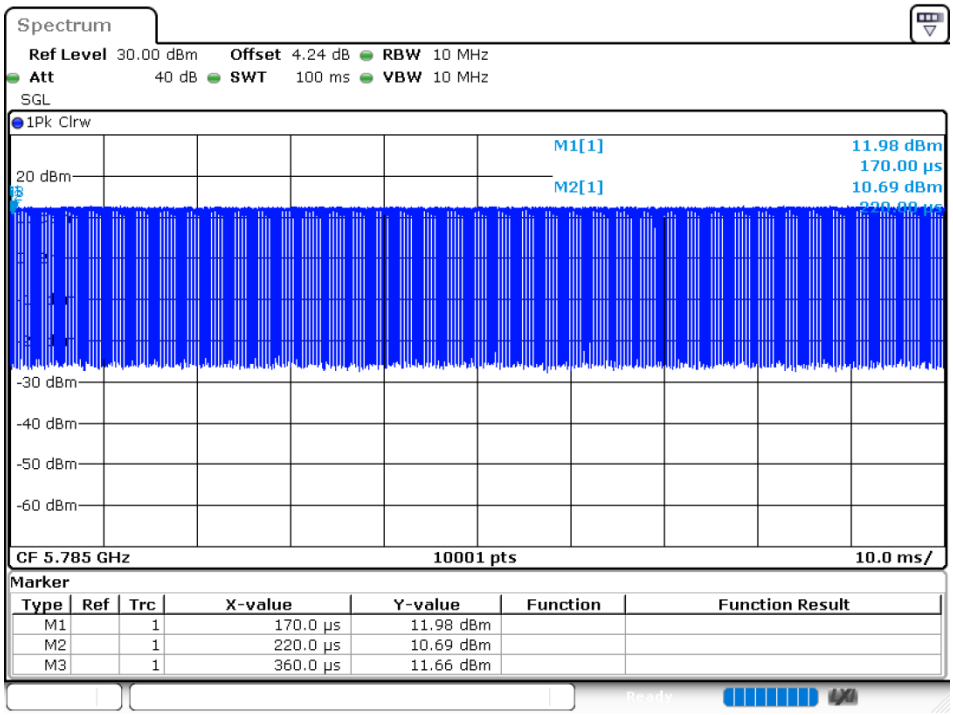
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	86.34	0.64	5.88
NVNT	a	5785	Ant1	81.14	0.91	7.14
NVNT	a	5825	Ant1	89.34	0.49	5.88
NVNT	a	5745	Ant2	81.16	0.91	6.67
NVNT	a	5785	Ant2	81.14	0.91	7.14
NVNT	a	5825	Ant2	81.14	0.91	6.67
NVNT	n20	5745	Ant1	83.21	0.8	5.56
NVNT	n20	5785	Ant1	83.24	0.8	5.88
NVNT	n20	5825	Ant1	90.09	0.45	5.26
NVNT	n20	5745	Ant2	83.37	0.79	5.56
NVNT	n20	5785	Ant2	83.35	0.79	5.56
NVNT	n20	5825	Ant2	83.37	0.79	5.56
NVNT	n40	5755	Ant1	88.87	0.51	5.56
NVNT	n40	5795	Ant1	83.72	0.77	5.56
NVNT	n40	5755	Ant2	83.53	0.78	5.56
NVNT	n40	5795	Ant2	83.64	0.78	5.56
NVNT	ac20	5745	Ant1	87.62	0.57	5.56
NVNT	ac20	5785	Ant1	82.44	0.84	6.25
NVNT	ac20	5825	Ant1	82.61	0.83	5.88
NVNT	ac20	5745	Ant2	82.42	0.84	6.25
NVNT	ac20	5785	Ant2	82.46	0.84	6.25
NVNT	ac20	5825	Ant2	82.4	0.84	6.25
NVNT	ac40	5755	Ant1	87.08	0.6	5.88
NVNT	ac40	5795	Ant1	89.01	0.51	6.25
NVNT	ac40	5755	Ant2	81.75	0.88	6.25
NVNT	ac40	5795	Ant2	81.8	0.87	6.25
NVNT	ac80	5775	Ant1	82.4	0.84	6.25
NVNT	ac80	5775	Ant2	82.07	0.86	6.25

Test Graphs

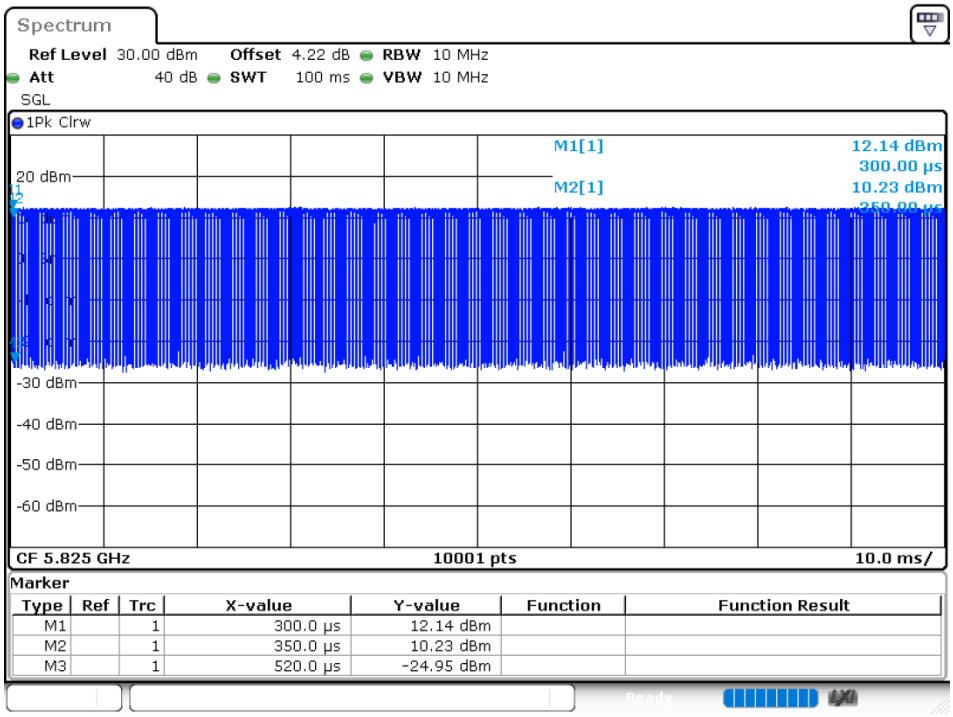
Duty Cycle NVNT a 5745MHz Ant1



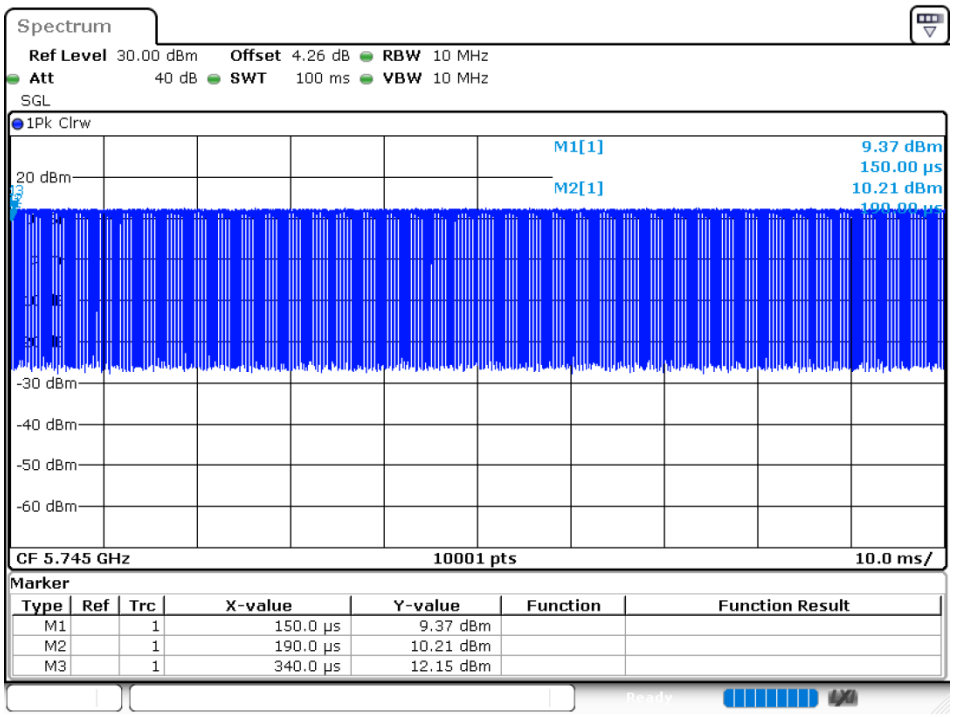
Duty Cycle NVNT a 5785MHz Ant1



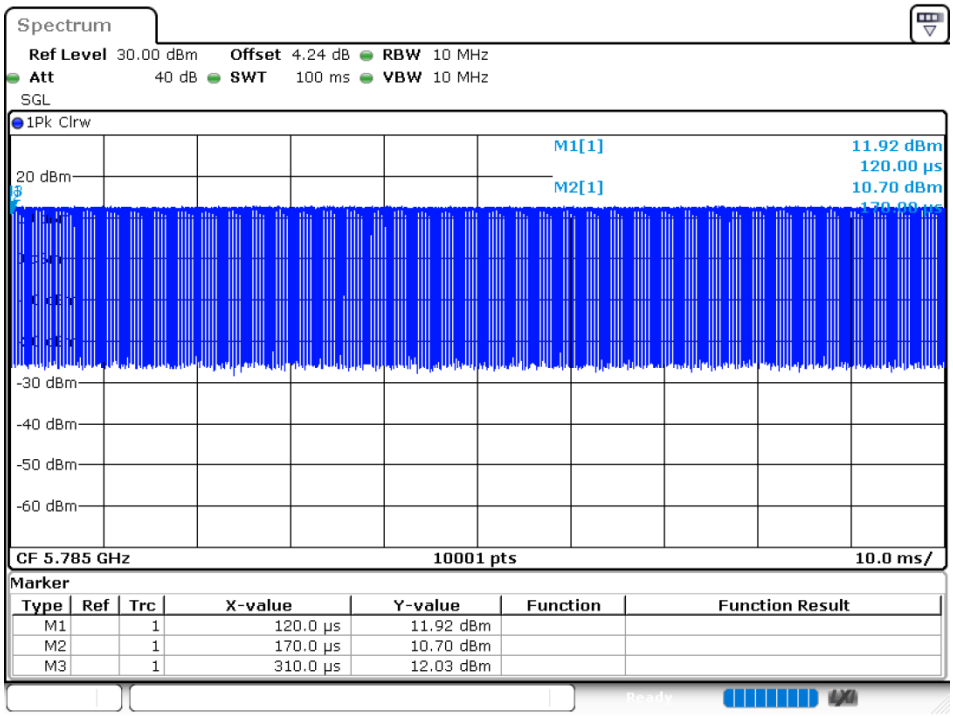
Duty Cycle NVNT a 5825MHz Ant1



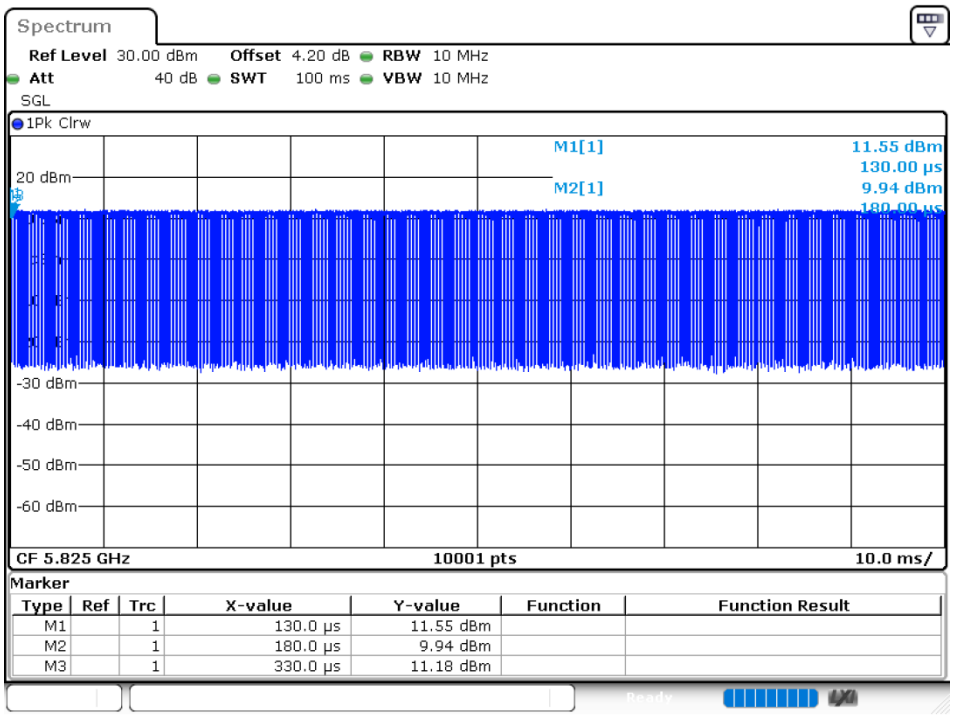
Duty Cycle NVNT a 5745MHz Ant2



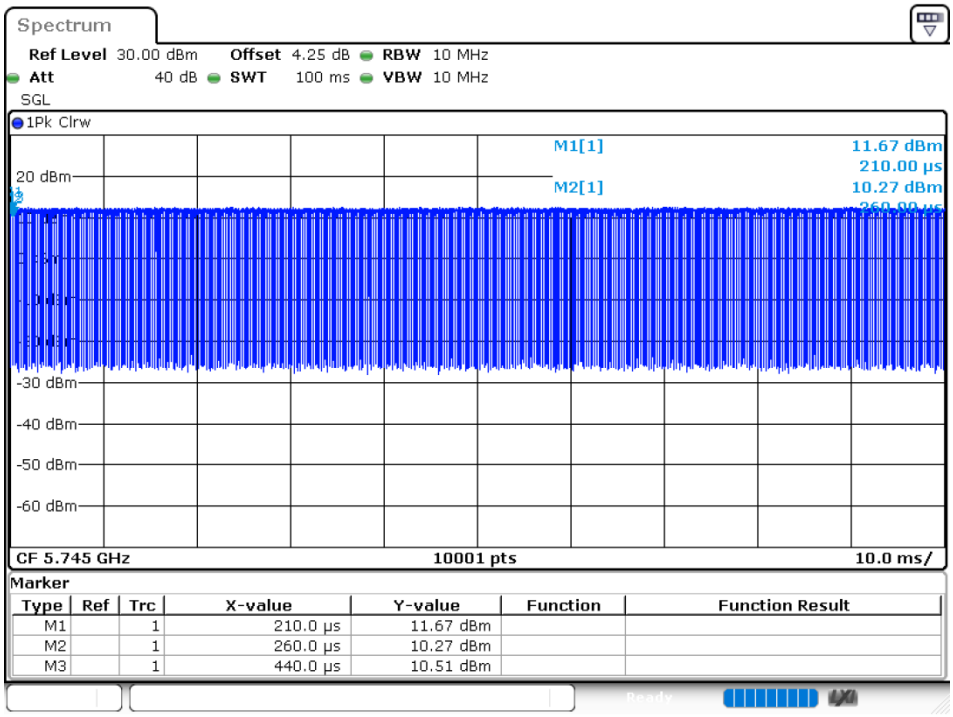
Duty Cycle NVNT a 5785MHz Ant2



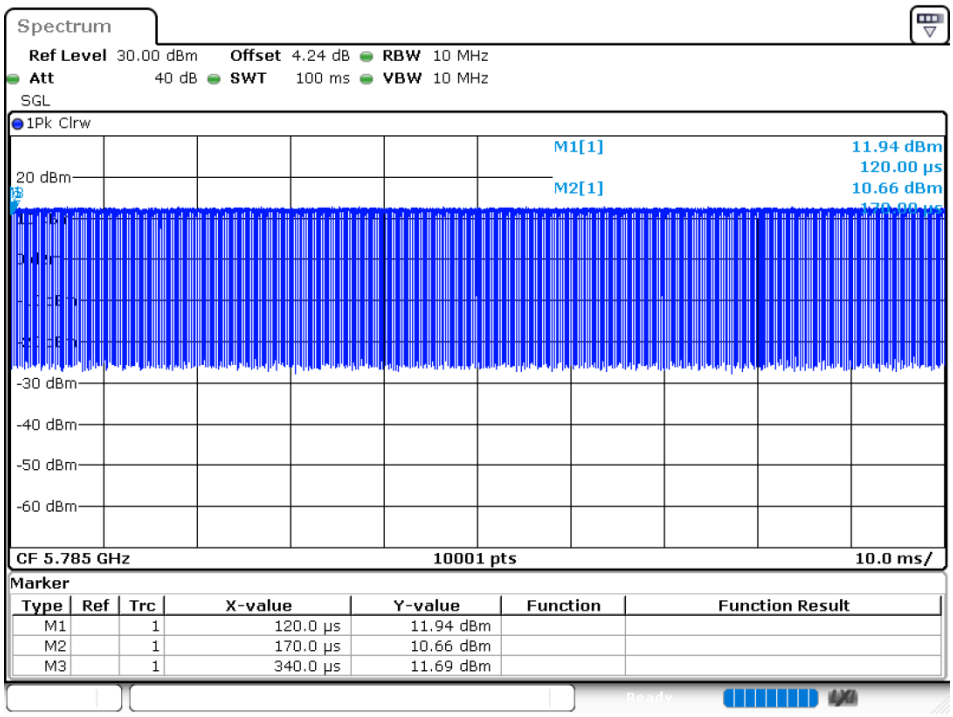
Duty Cycle NVNT a 5825MHz Ant2



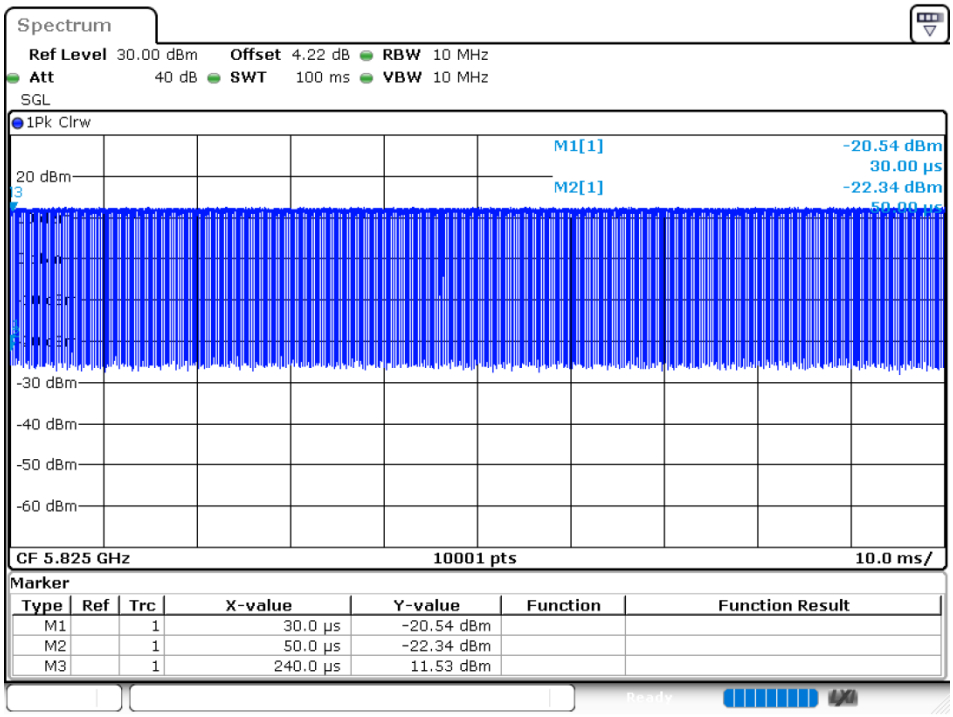
Duty Cycle NVNT n20 5745MHz Ant1



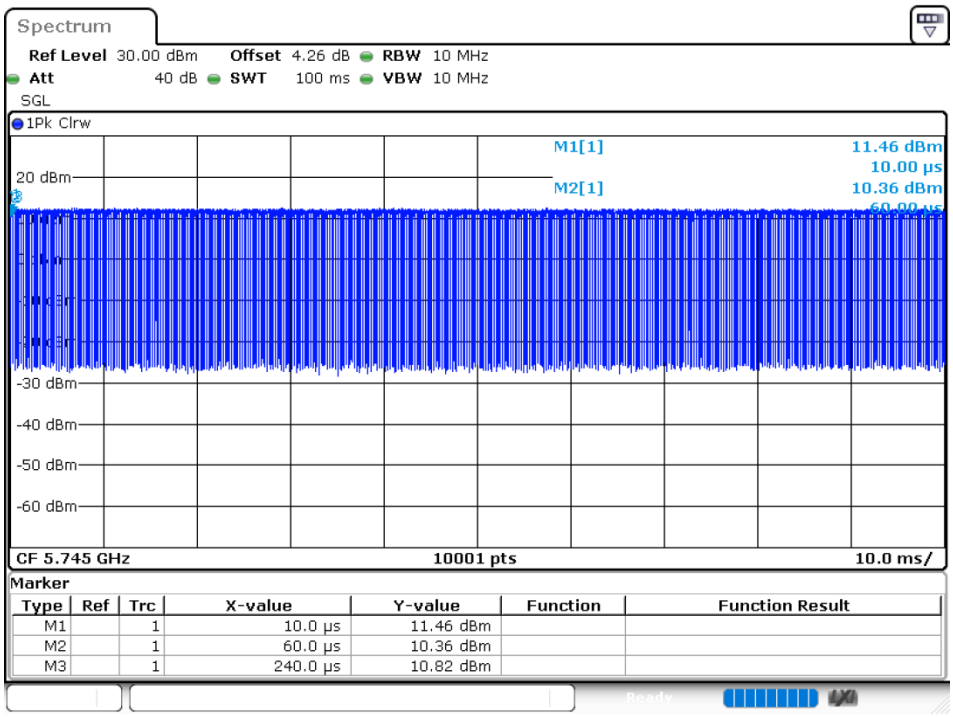
Duty Cycle NVNT n20 5785MHz Ant1



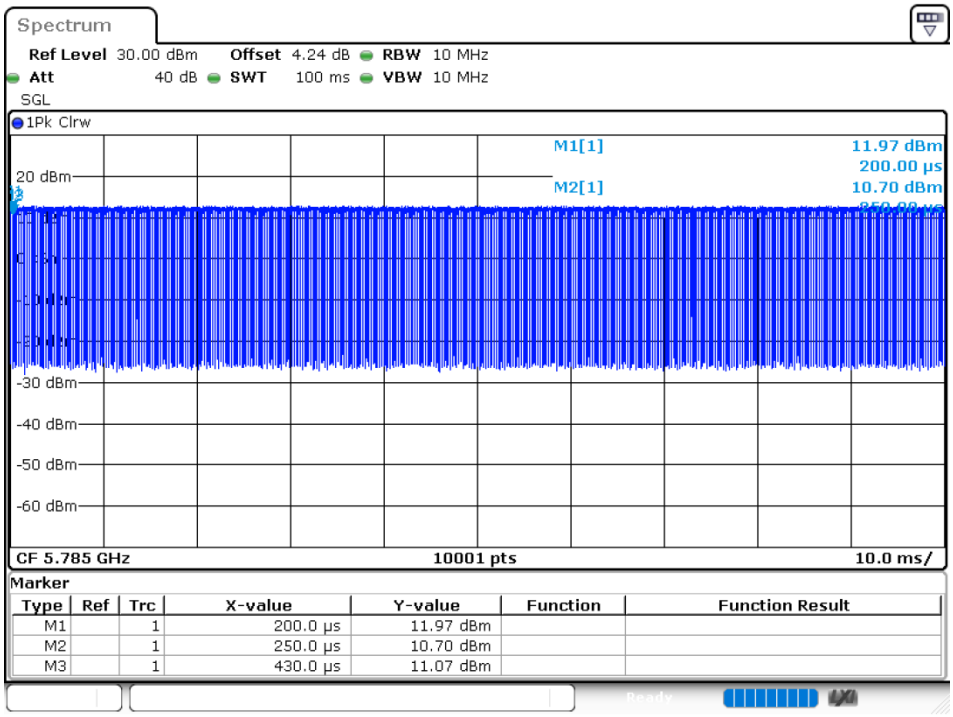
Duty Cycle NVNT n20 5825MHz Ant1



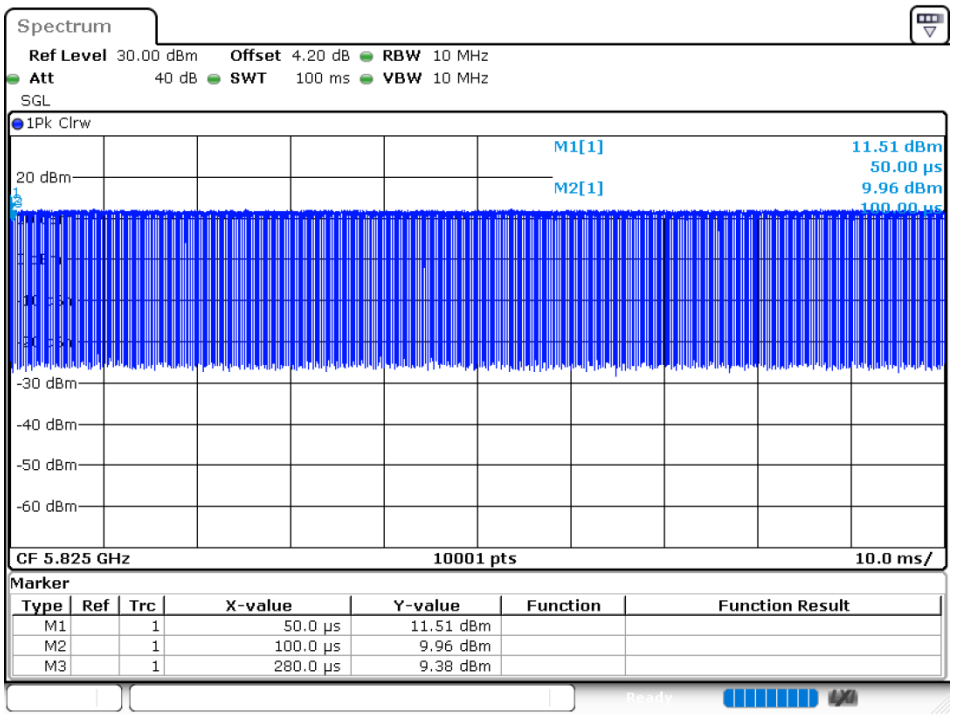
Duty Cycle NVNT n20 5745MHz Ant2



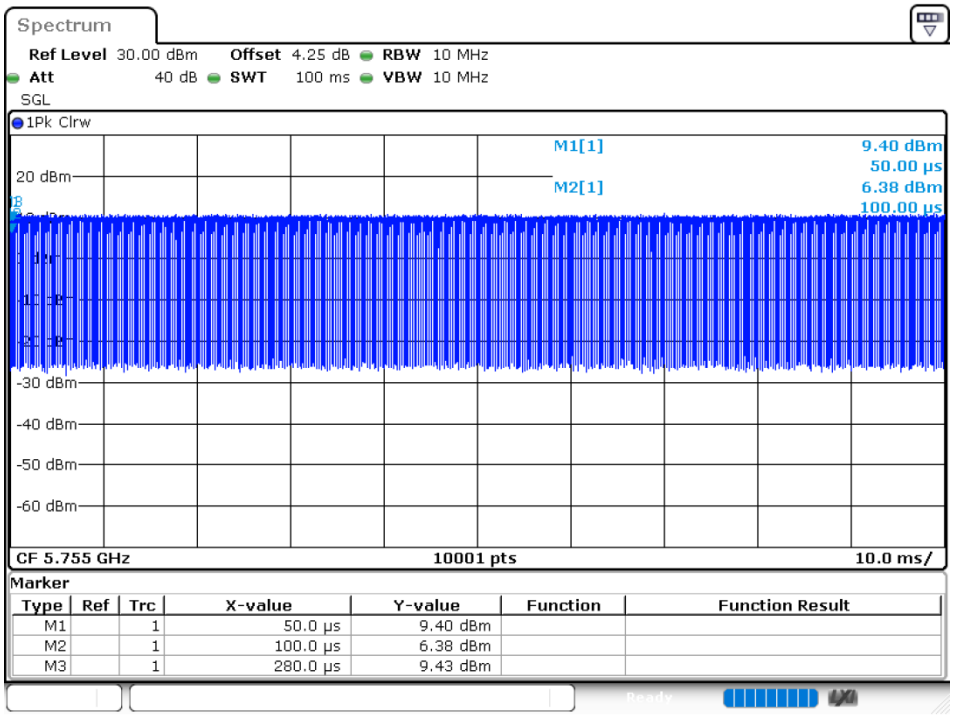
Duty Cycle NVNT n20 5785MHz Ant2



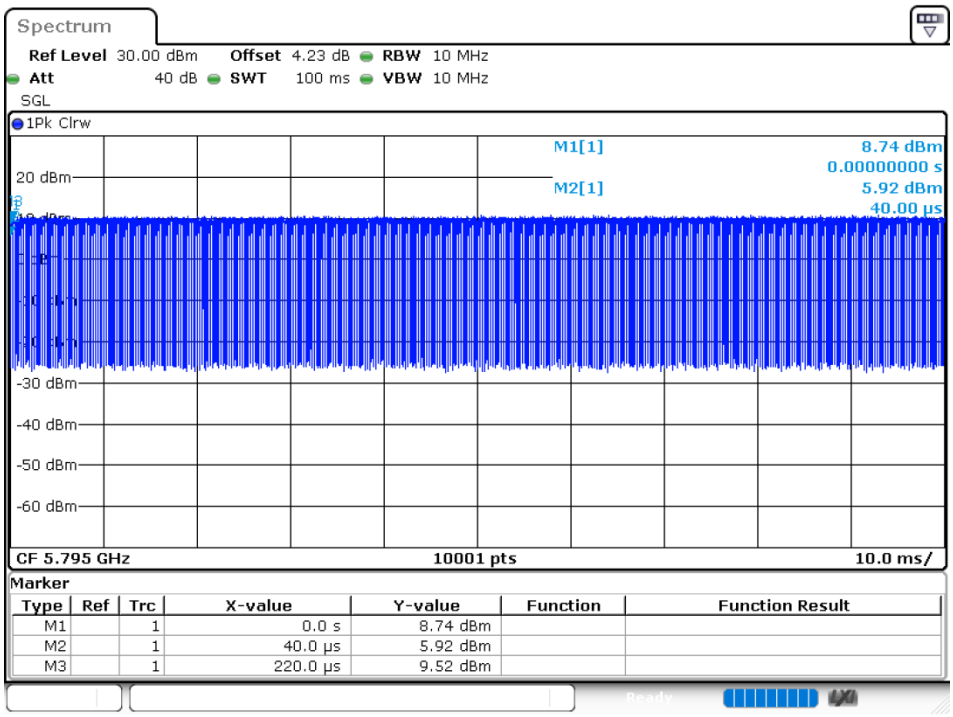
Duty Cycle NVNT n20 5825MHz Ant2



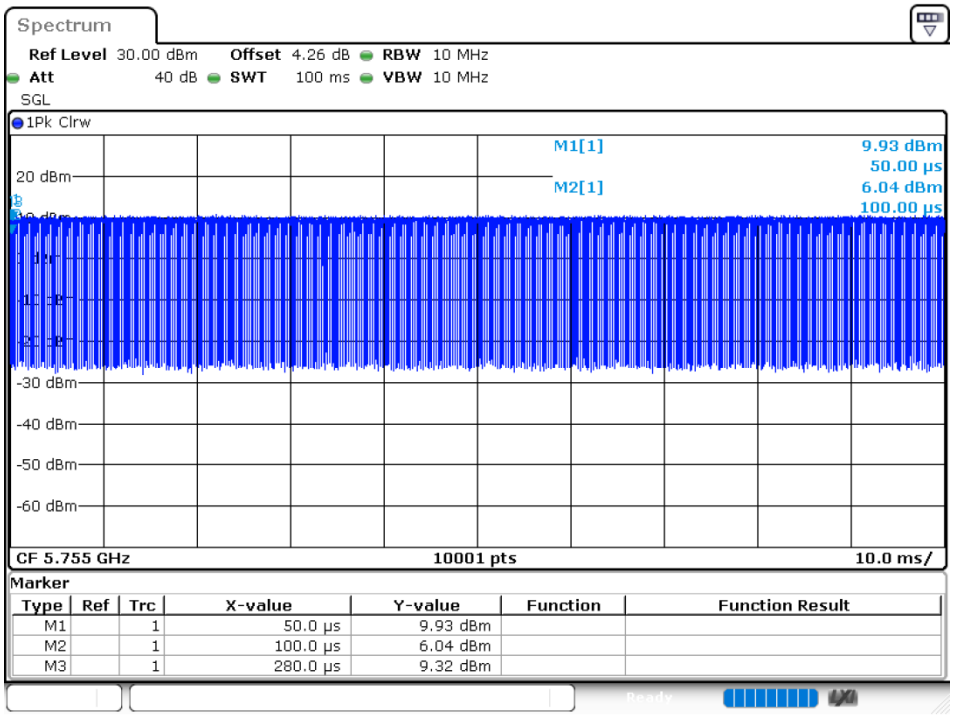
Duty Cycle NVNT n40 5755MHz Ant1



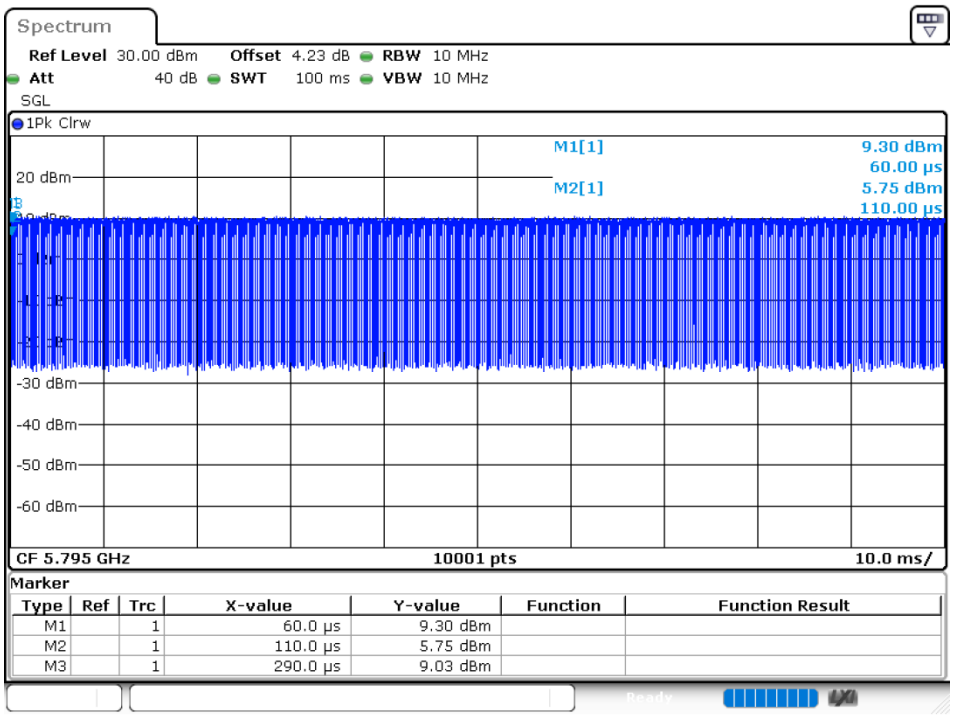
Duty Cycle NVNT n40 5795MHz Ant1



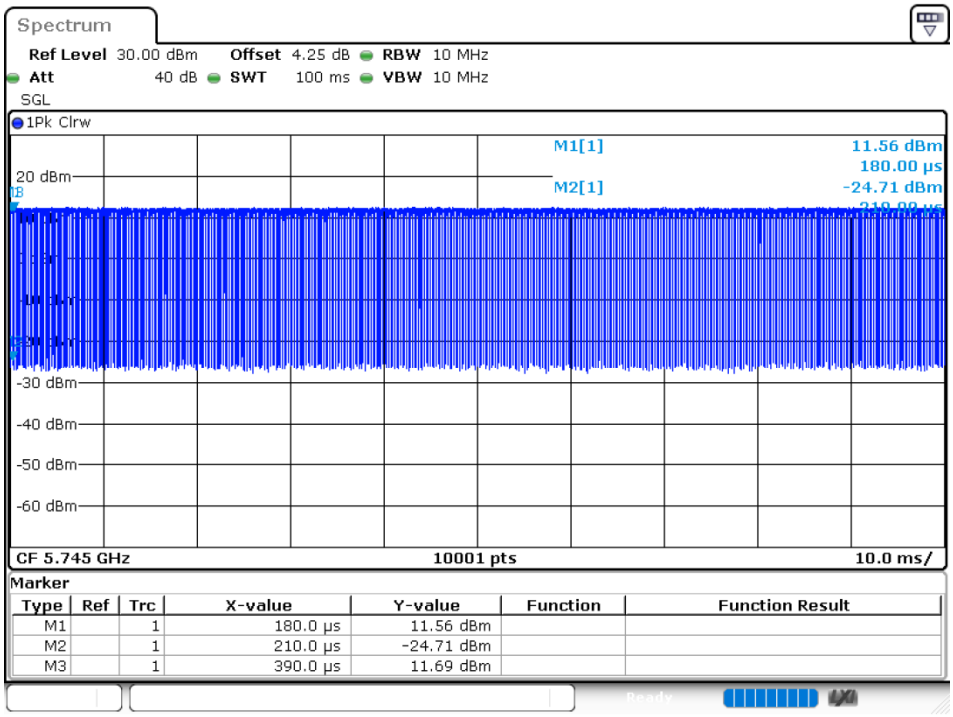
Duty Cycle NVNT n40 5755MHz Ant2



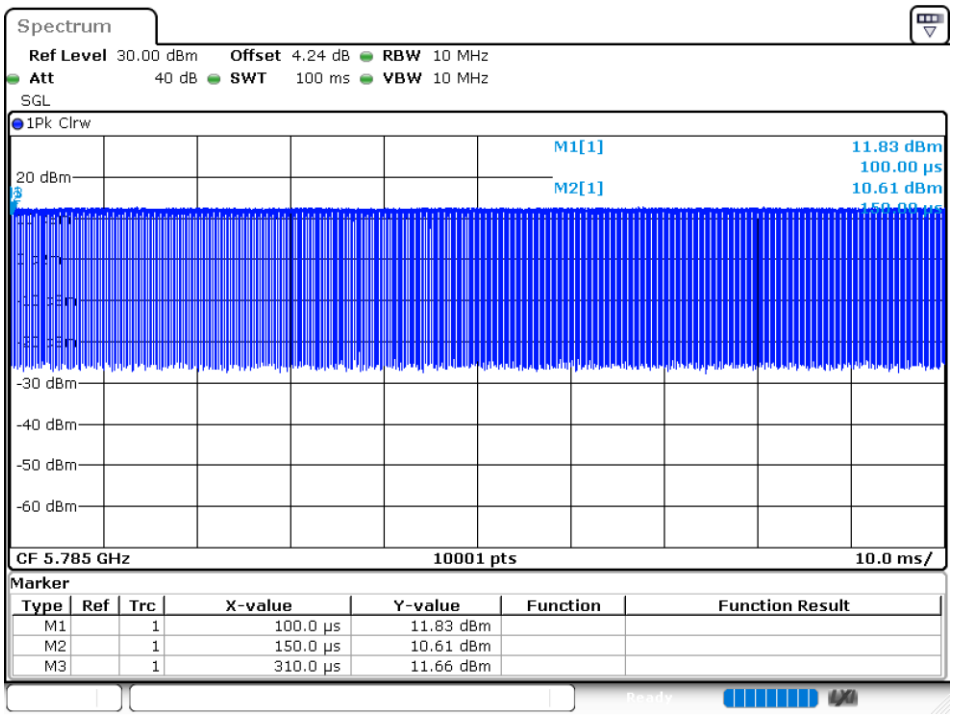
Duty Cycle NVNT n40 5795MHz Ant2



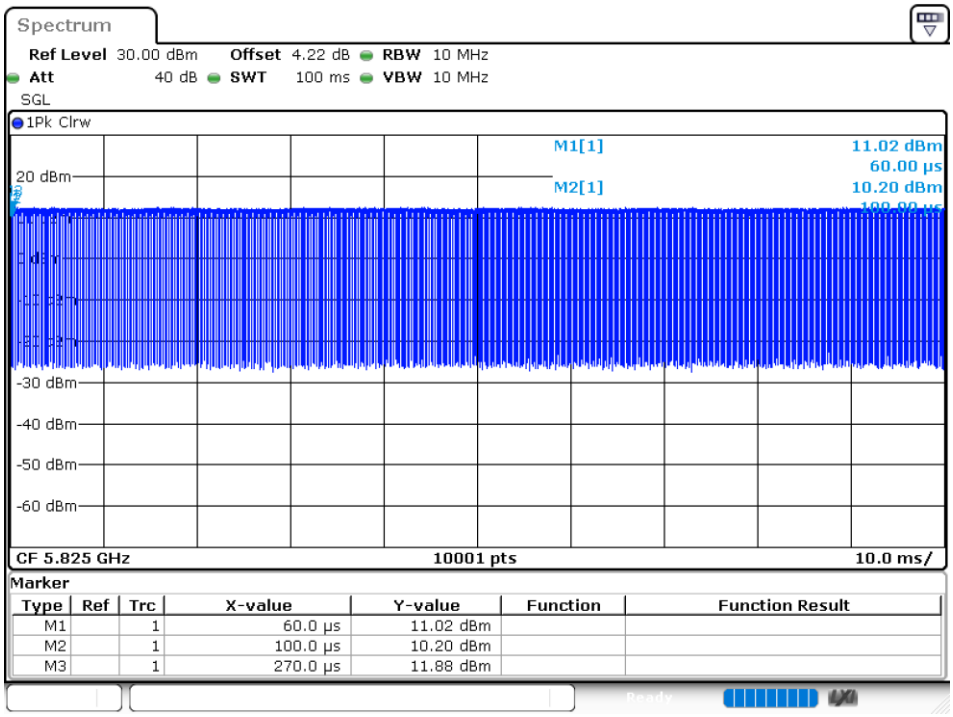
Duty Cycle NVNT ac20 5745MHz Ant1



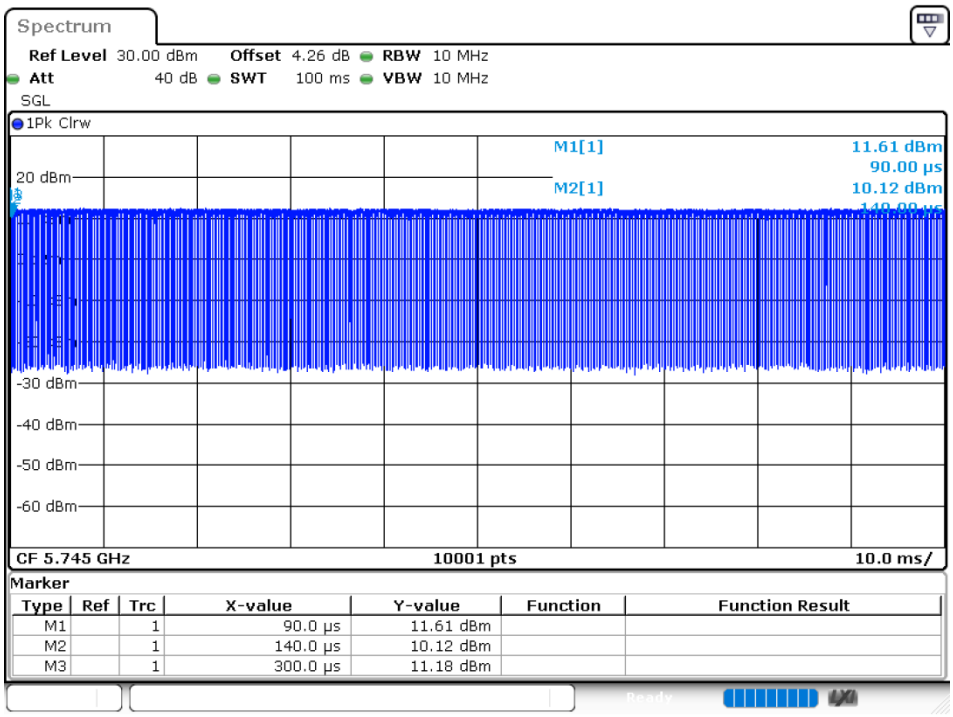
Duty Cycle NVNT ac20 5785MHz Ant1



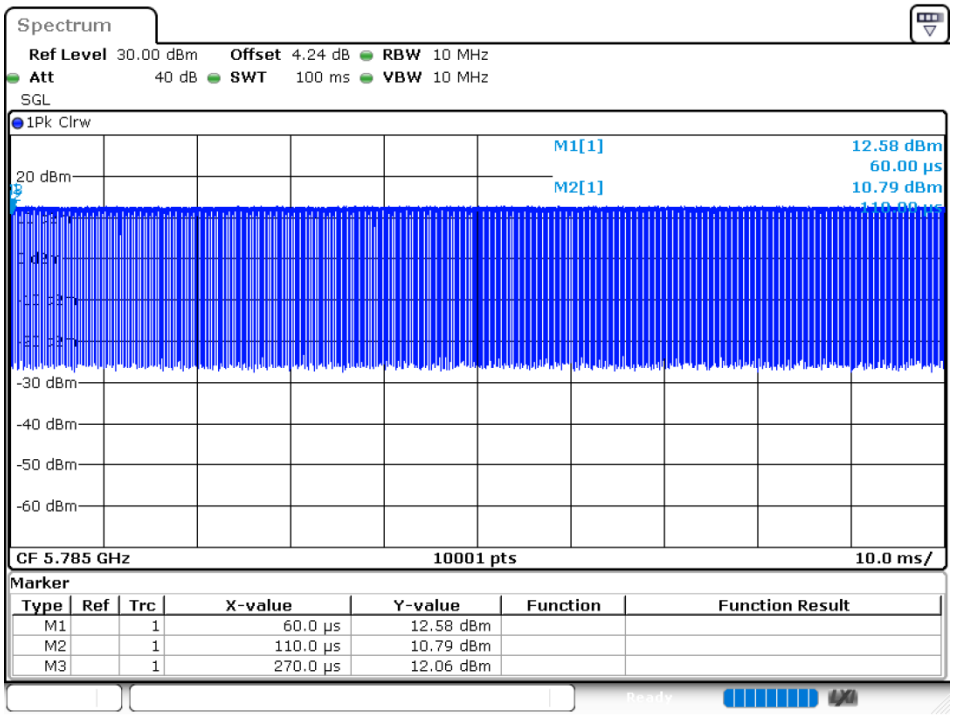
Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac20 5745MHz Ant2



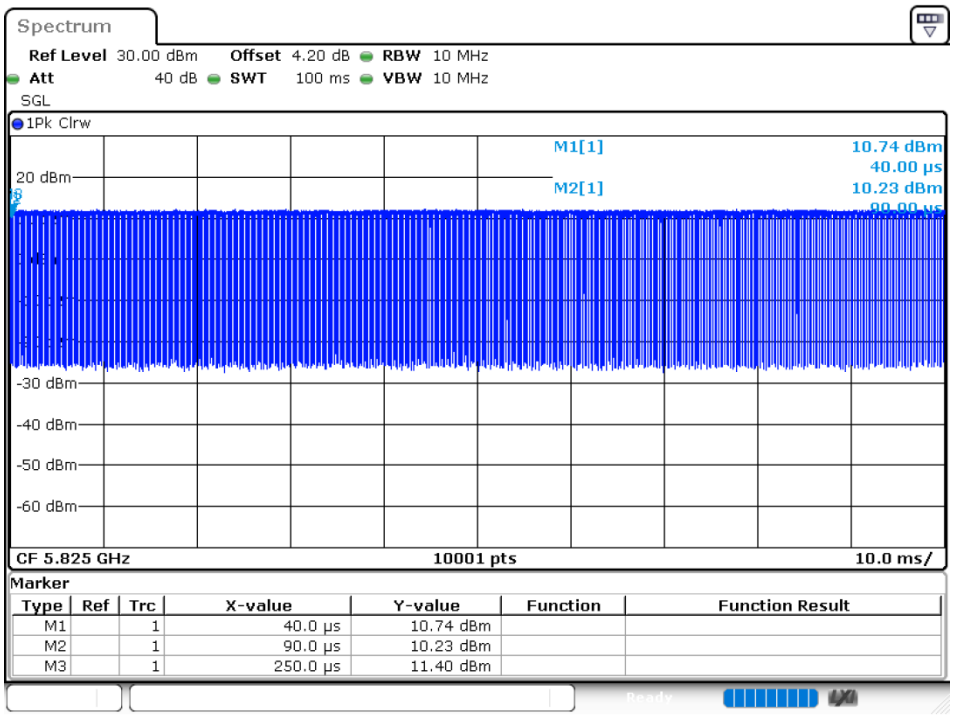
Duty Cycle NVNT ac20 5785MHz Ant2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	60.0 µs	12.58 dBm		
M2		1	110.0 µs	10.79 dBm		
M3		1	270.0 µs	12.06 dBm		

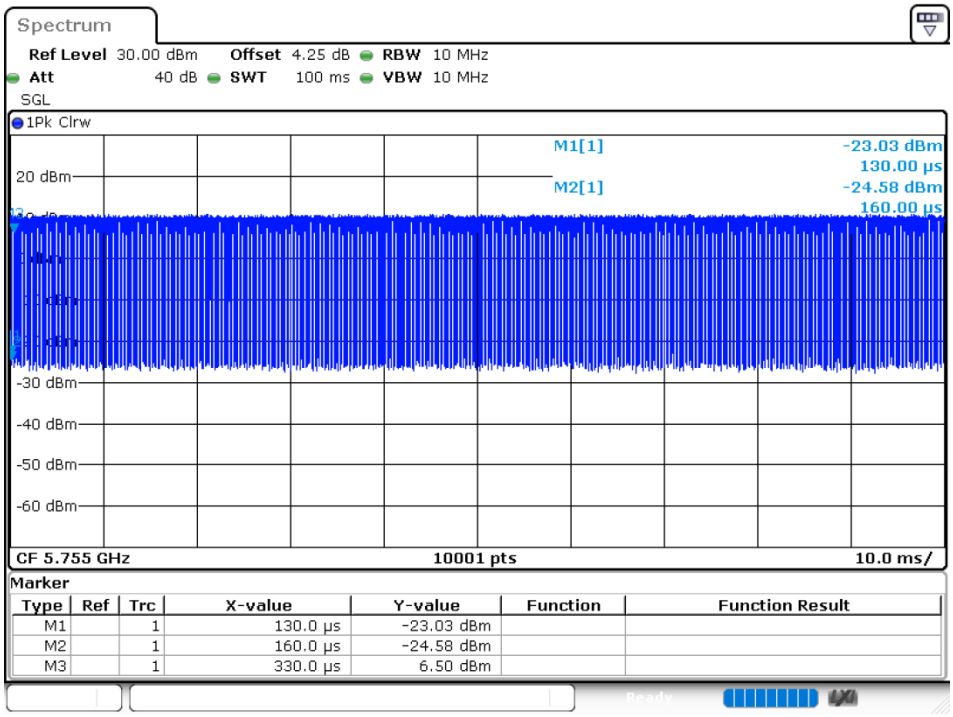
Duty Cycle NVNT ac20 5825MHz Ant2



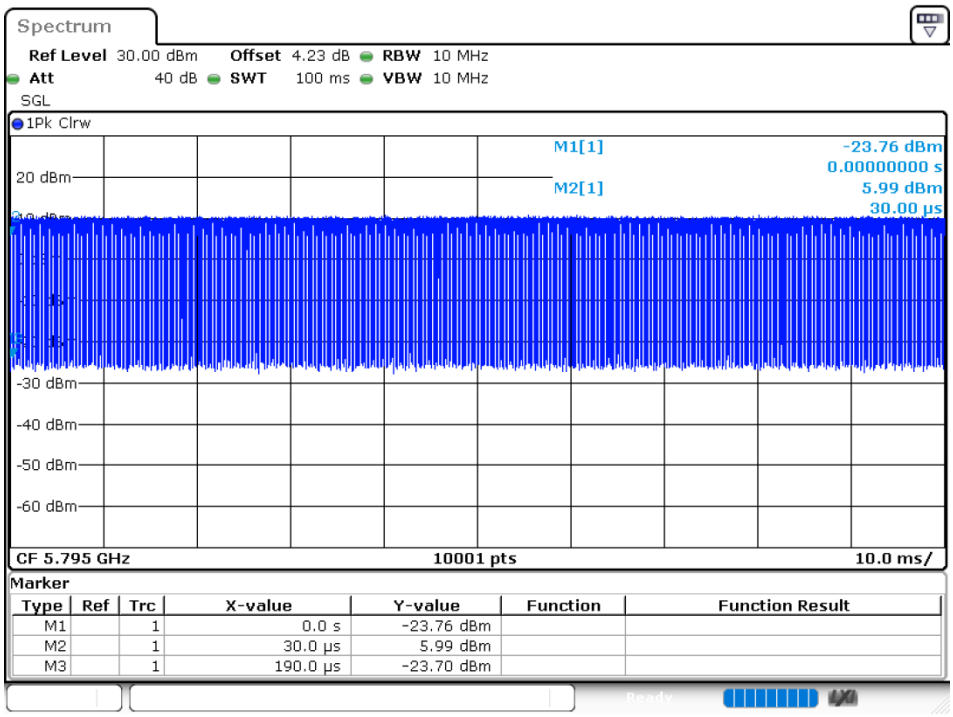
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	40.0 µs	10.74 dBm		
M2		1	90.0 µs	10.23 dBm		
M3		1	250.0 µs	11.40 dBm		

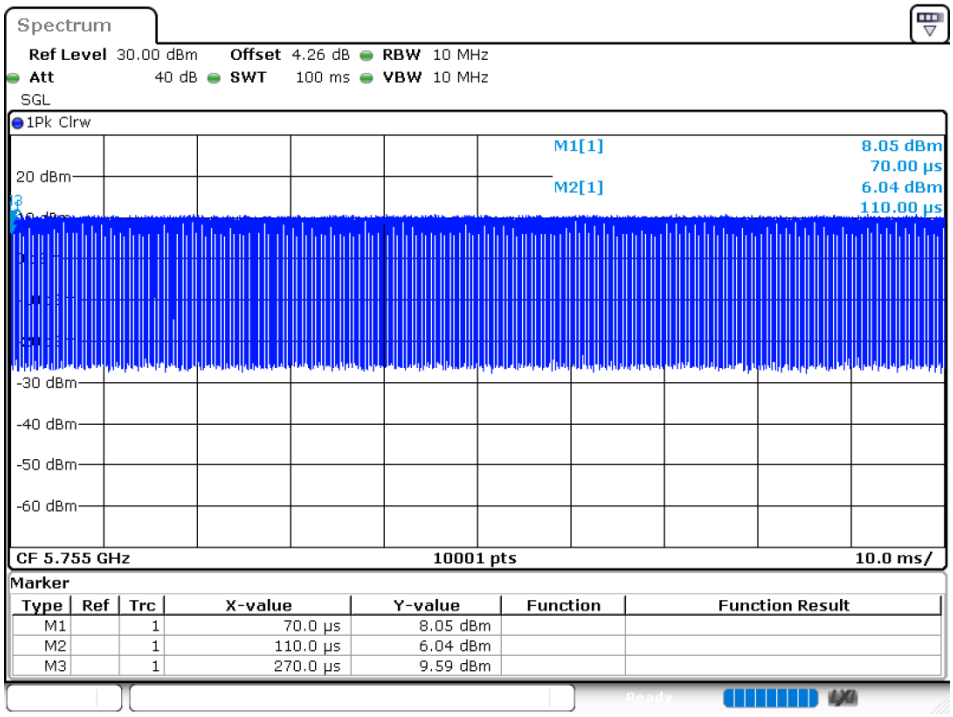
Duty Cycle NVNT ac40 5755MHz Ant1



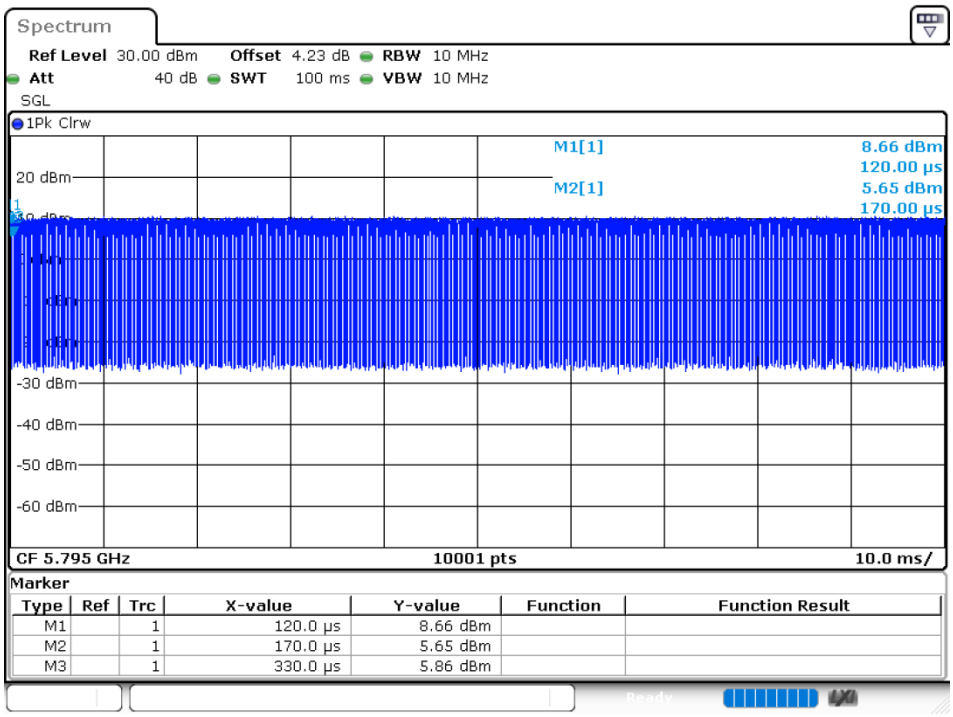
Duty Cycle NVNT ac40 5795MHz Ant1



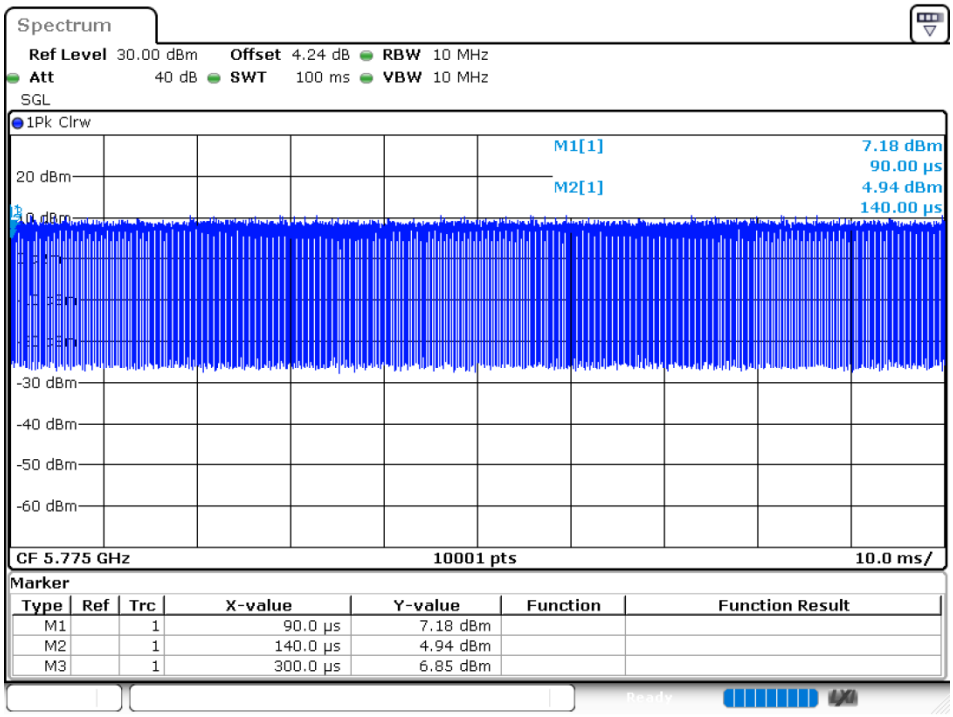
Duty Cycle NVNT ac40 5755MHz Ant2



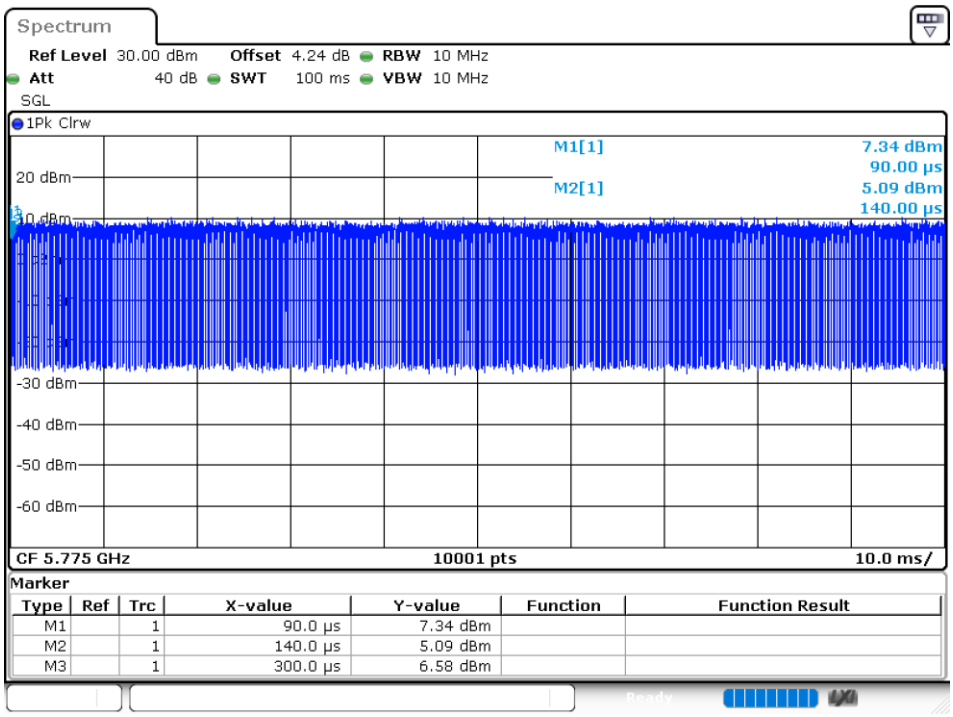
Duty Cycle NVNT ac40 5795MHz Ant2



Duty Cycle NVNT ac80 5775MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant2



Maximum Conducted Output Power

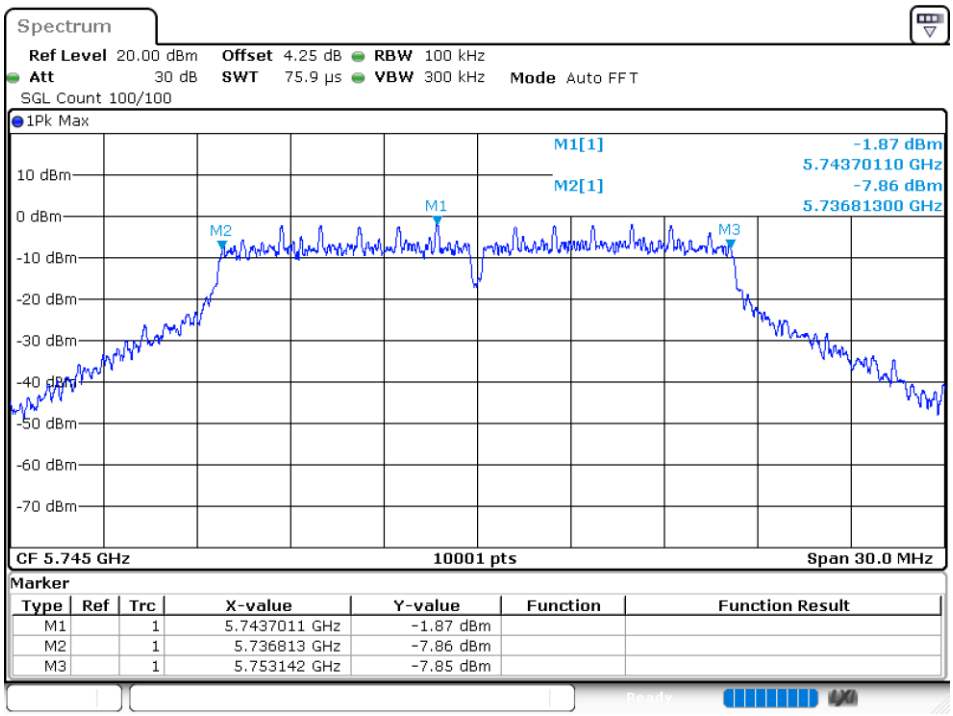
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.52	0	10.52	30	Pass
NVNT	a	5785	Ant1	10.77	0	10.77	30	Pass
NVNT	a	5825	Ant1	10.72	0	10.72	30	Pass
NVNT	a	5745	Ant2	10.62	0	10.62	30	Pass
NVNT	a	5785	Ant2	10.82	0	10.82	30	Pass
NVNT	a	5825	Ant2	10.65	0	10.65	30	Pass
NVNT	n20	5745	Ant1	10.5	0	10.5	30	Pass
NVNT	n20	5785	Ant1	10.75	0	10.75	30	Pass
NVNT	n20	5825	Ant1	10.72	0	10.72	30	Pass
NVNT	n20	5745	Ant2	10.7	0	10.7	30	Pass
NVNT	n20	5785	Ant2	10.81	0	10.81	30	Pass
NVNT	n20	5825	Ant2	10.61	0	10.61	30	Pass
NVNT	n40	5755	Ant1	10.54	0	10.54	30	Pass
NVNT	n40	5795	Ant1	10.72	0	10.72	30	Pass
NVNT	n40	5755	Ant2	10.32	0	10.32	30	Pass
NVNT	n40	5795	Ant2	10.43	0	10.43	30	Pass
NVNT	ac20	5745	Ant1	10.47	0	10.47	30	Pass
NVNT	ac20	5785	Ant1	10.83	0	10.83	30	Pass
NVNT	ac20	5825	Ant1	10.64	0	10.64	30	Pass
NVNT	ac20	5745	Ant2	10.64	0	10.64	30	Pass
NVNT	ac20	5785	Ant2	10.75	0	10.75	30	Pass
NVNT	ac20	5825	Ant2	10.61	0	10.61	30	Pass
NVNT	ac40	5755	Ant1	10.4	0	10.4	30	Pass
NVNT	ac40	5795	Ant1	10.71	0	10.71	30	Pass
NVNT	ac40	5755	Ant2	10.25	0	10.25	30	Pass
NVNT	ac40	5795	Ant2	10.43	0	10.43	30	Pass
NVNT	ac80	5775	Ant1	10.77	0	10.77	30	Pass
NVNT	ac80	5775	Ant2	10.46	0	10.46	30	Pass

-6dB Bandwidth

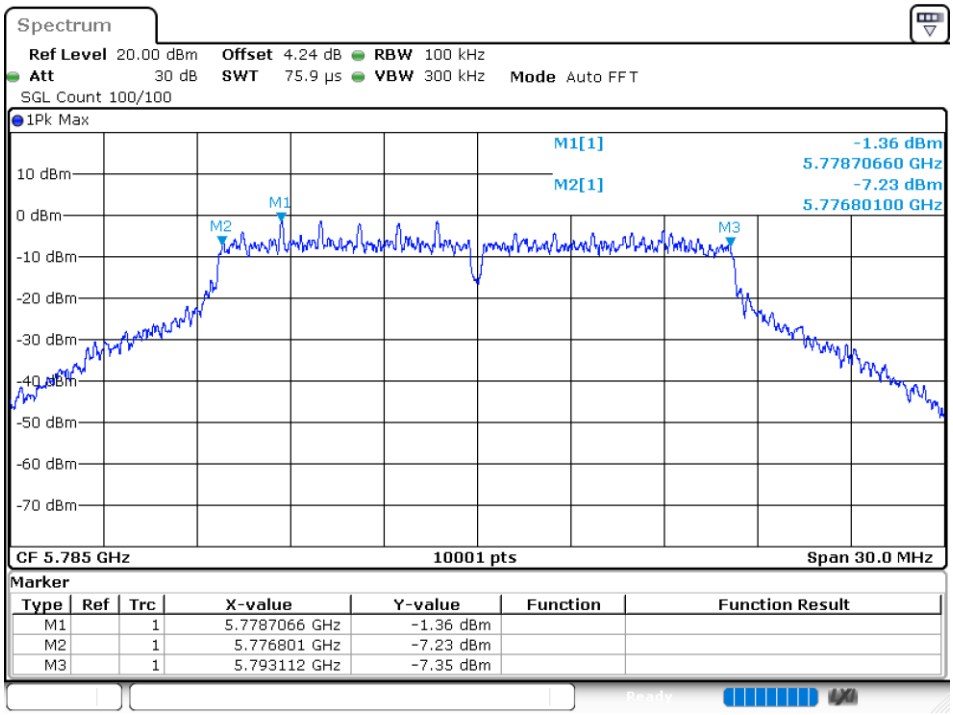
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.329	0.5	Pass
NVNT	a	5785	Ant1	16.311	0.5	Pass
NVNT	a	5825	Ant1	16.311	0.5	Pass
NVNT	a	5745	Ant2	15.924	0.5	Pass
NVNT	a	5785	Ant2	16.302	0.5	Pass
NVNT	a	5825	Ant2	16.299	0.5	Pass
NVNT	n20	5745	Ant1	16.935	0.5	Pass
NVNT	n20	5785	Ant1	17.565	0.5	Pass
NVNT	n20	5825	Ant1	17.571	0.5	Pass
NVNT	n20	5745	Ant2	17.154	0.5	Pass
NVNT	n20	5785	Ant2	17.562	0.5	Pass
NVNT	n20	5825	Ant2	17.565	0.5	Pass
NVNT	n40	5755	Ant1	35.694	0.5	Pass
NVNT	n40	5795	Ant1	36.312	0.5	Pass
NVNT	n40	5755	Ant2	35.736	0.5	Pass
NVNT	n40	5795	Ant2	36.3	0.5	Pass
NVNT	ac20	5745	Ant1	17.172	0.5	Pass
NVNT	ac20	5785	Ant1	17.532	0.5	Pass
NVNT	ac20	5825	Ant1	17.562	0.5	Pass
NVNT	ac20	5745	Ant2	17.169	0.5	Pass
NVNT	ac20	5785	Ant2	17.31	0.5	Pass
NVNT	ac20	5825	Ant2	17.553	0.5	Pass
NVNT	ac40	5755	Ant1	35.988	0.5	Pass
NVNT	ac40	5795	Ant1	36.312	0.5	Pass
NVNT	ac40	5755	Ant2	35.724	0.5	Pass
NVNT	ac40	5795	Ant2	36.3	0.5	Pass
NVNT	ac80	5775	Ant1	73.8	0.5	Pass
NVNT	ac80	5775	Ant2	71.28	0.5	Pass

Test Graphs

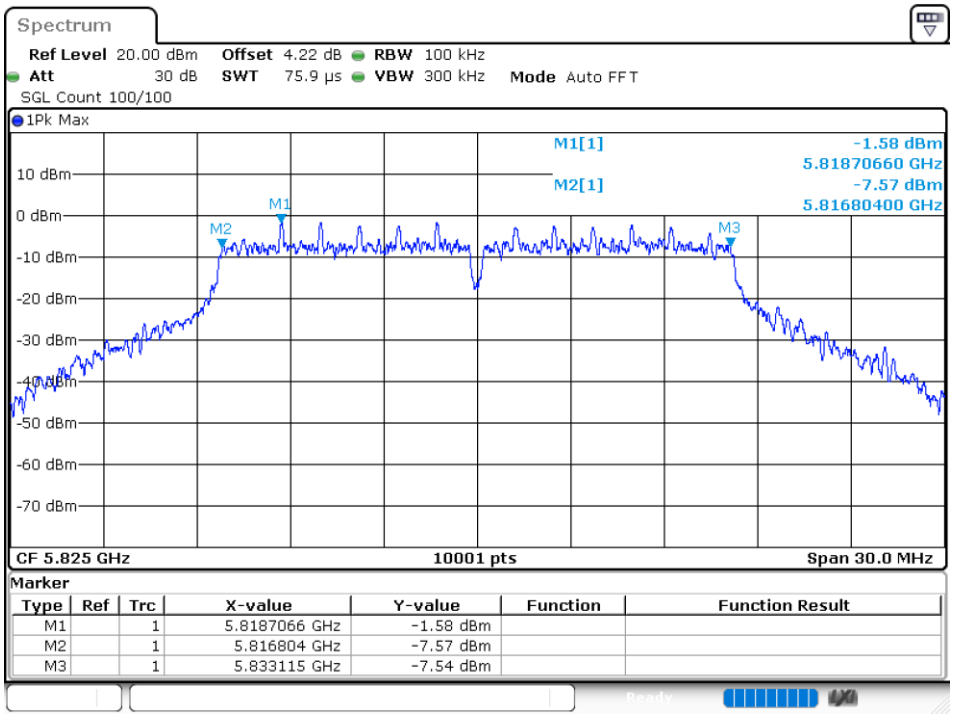
-6dB Bandwidth NVNT a 5745MHz Ant1



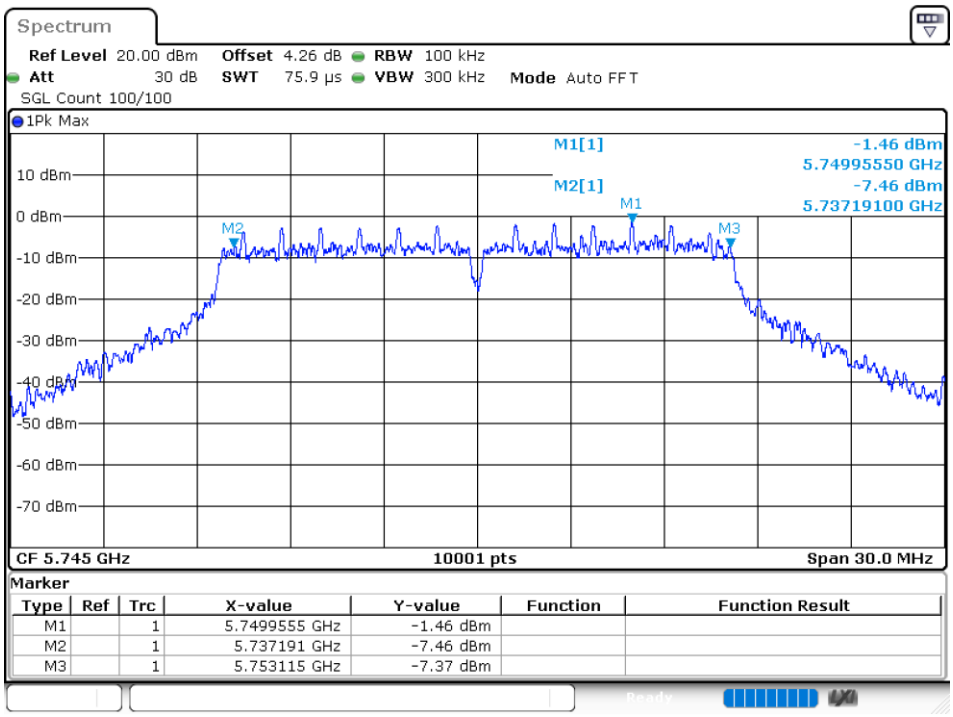
-6dB Bandwidth NVNT a 5785MHz Ant1



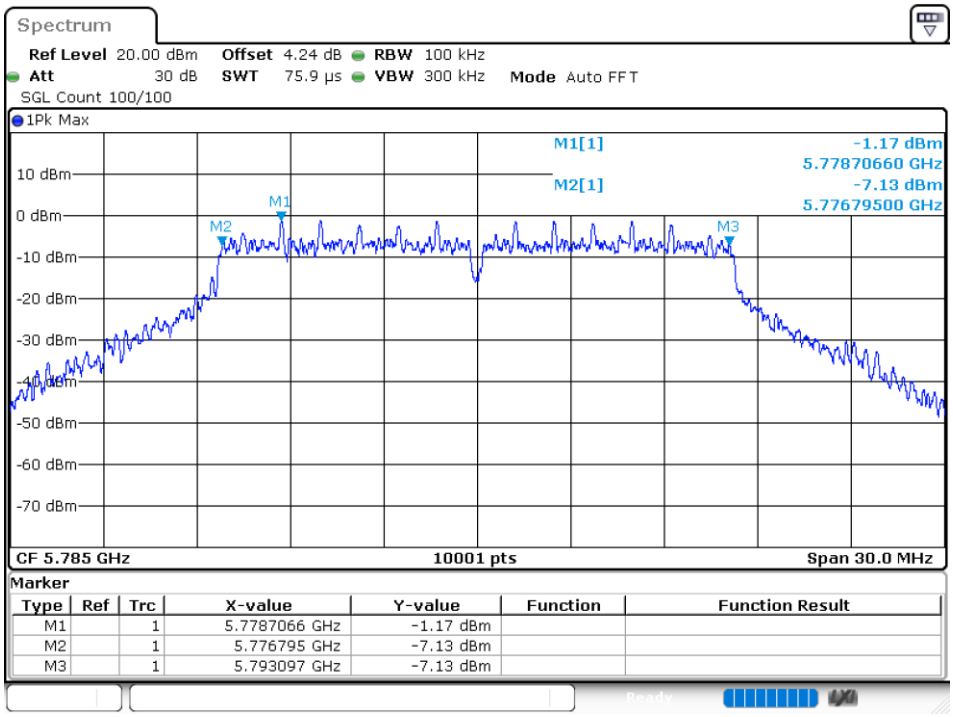
-6dB Bandwidth NVNT a 5825MHz Ant1



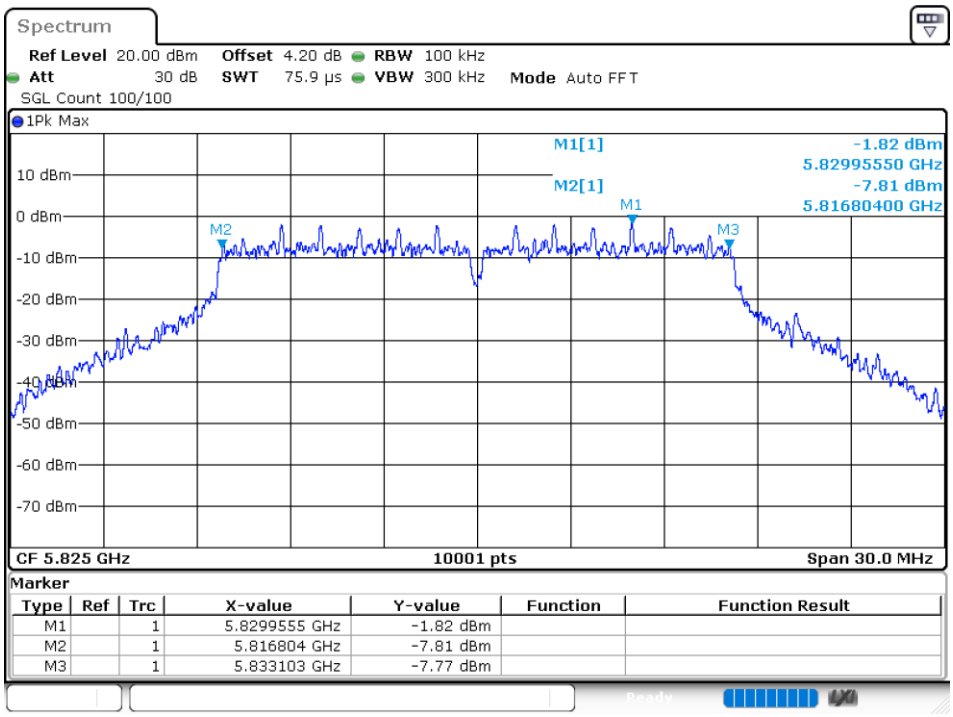
-6dB Bandwidth NVNT a 5745MHz Ant2



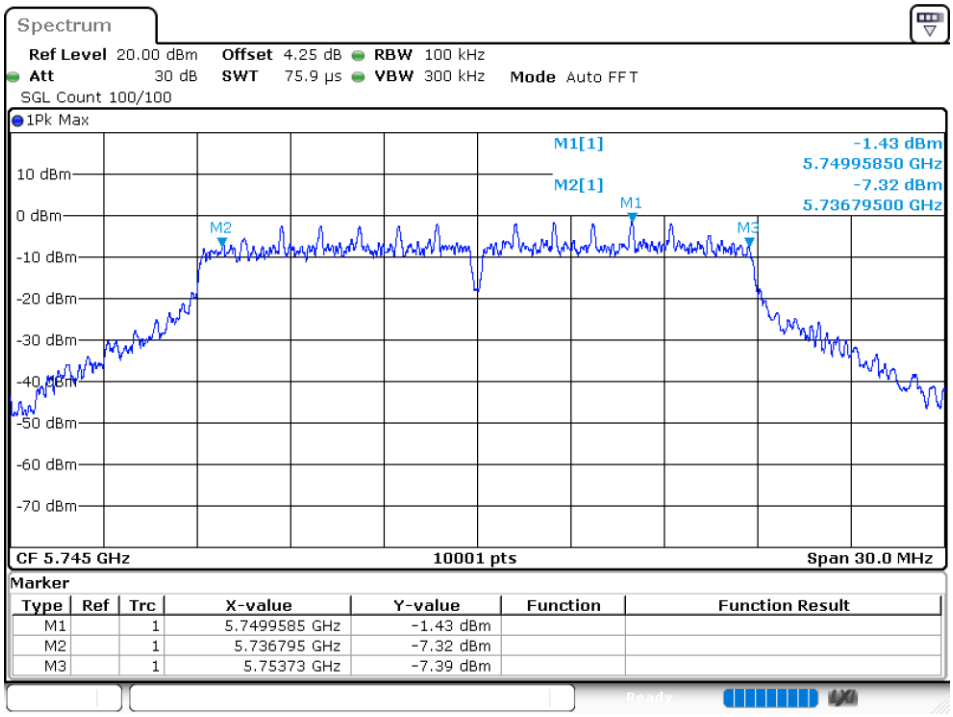
-6dB Bandwidth NVNT a 5785MHz Ant2



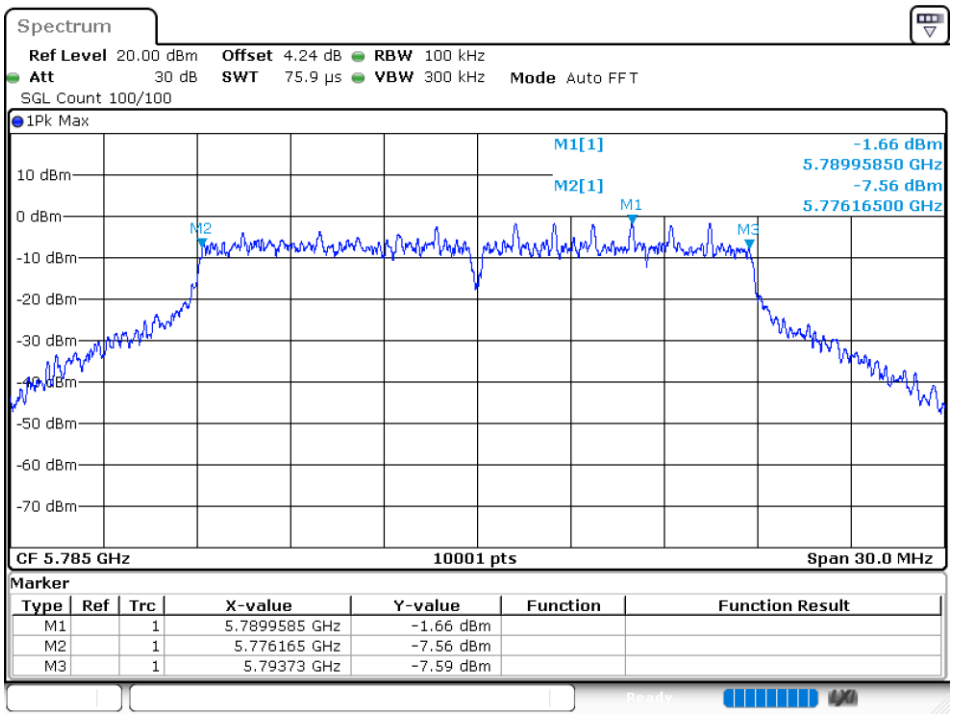
-6dB Bandwidth NVNT a 5825MHz Ant2



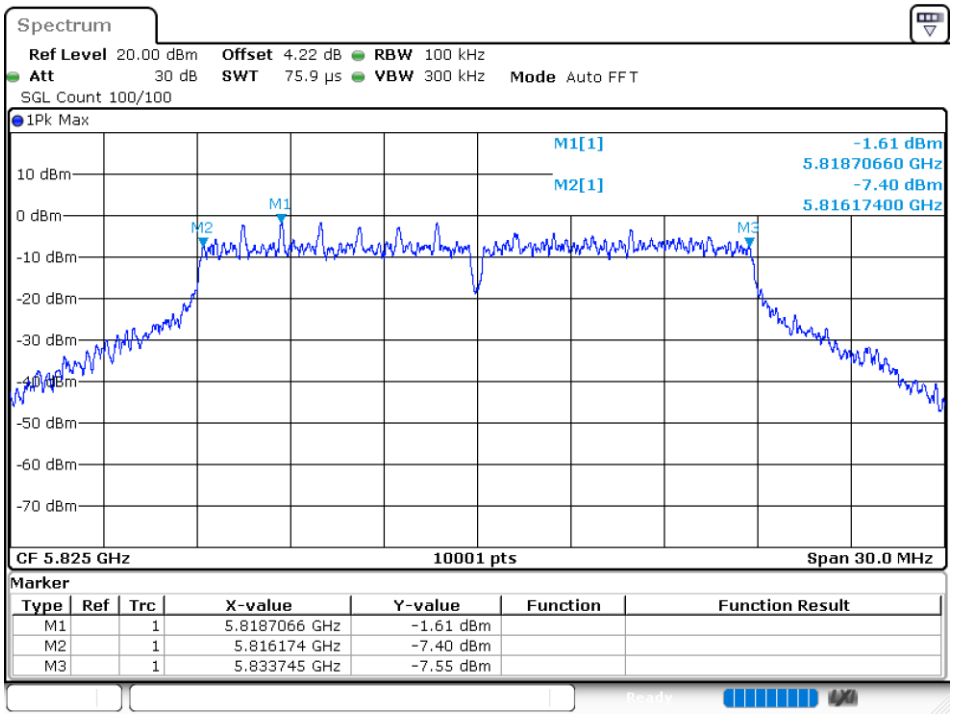
-6dB Bandwidth NVNT n20 5745MHz Ant1



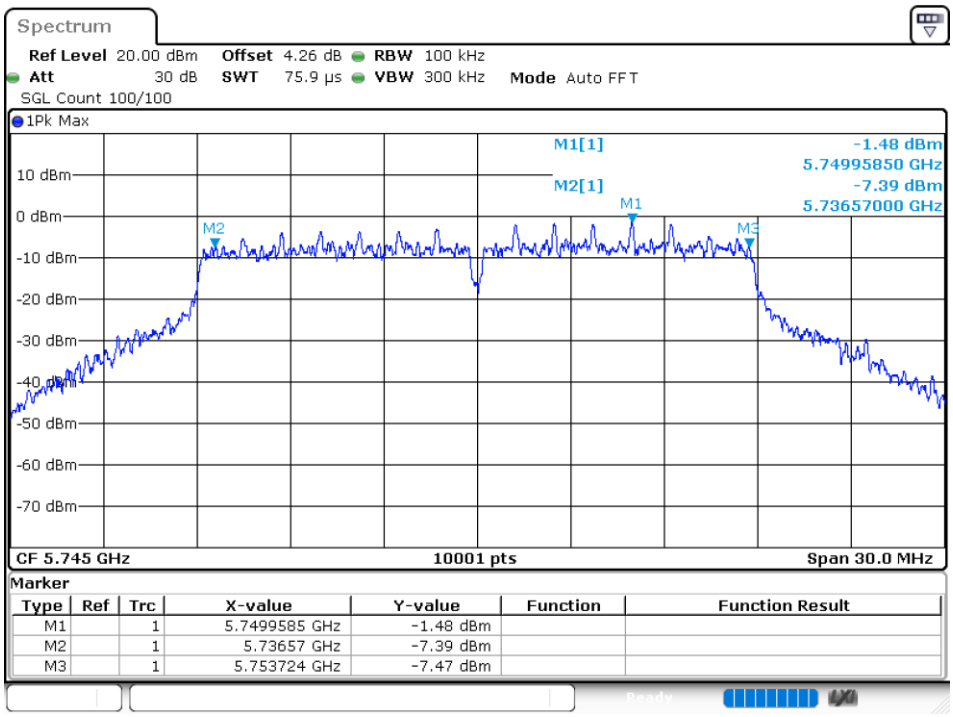
-6dB Bandwidth NVNT n20 5785MHz Ant1



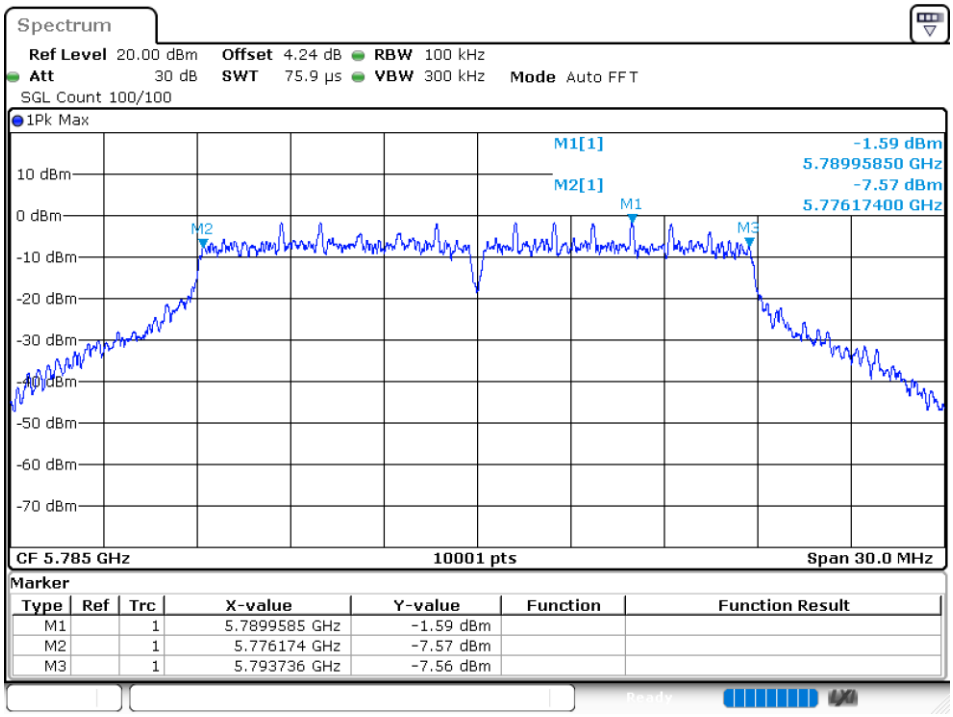
-6dB Bandwidth NVNT n20 5825MHz Ant1



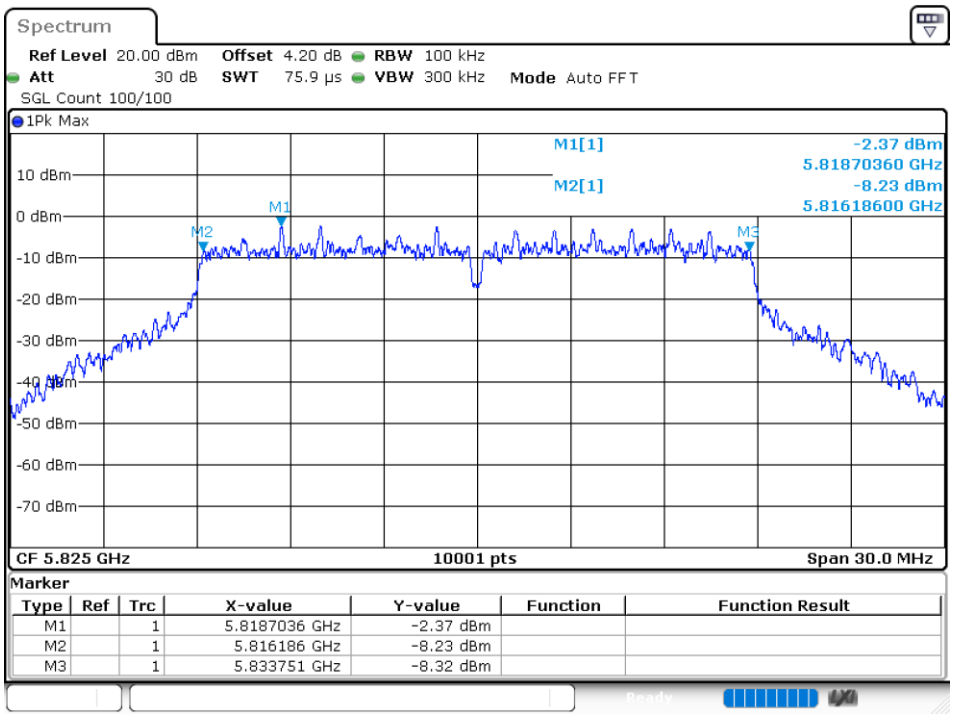
-6dB Bandwidth NVNT n20 5745MHz Ant2



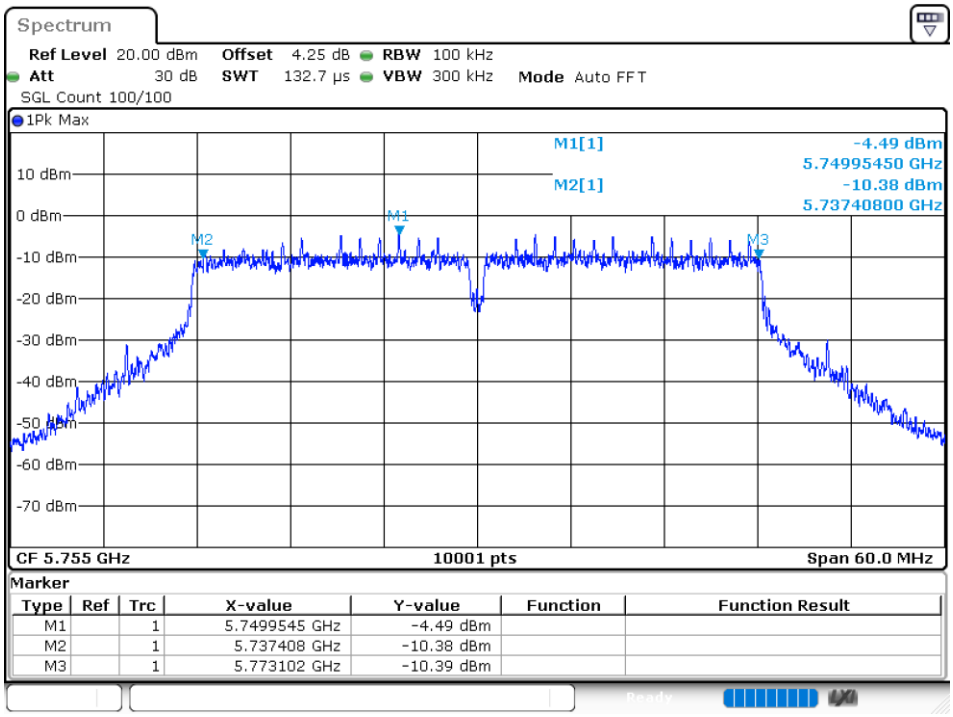
-6dB Bandwidth NVNT n20 5785MHz Ant2



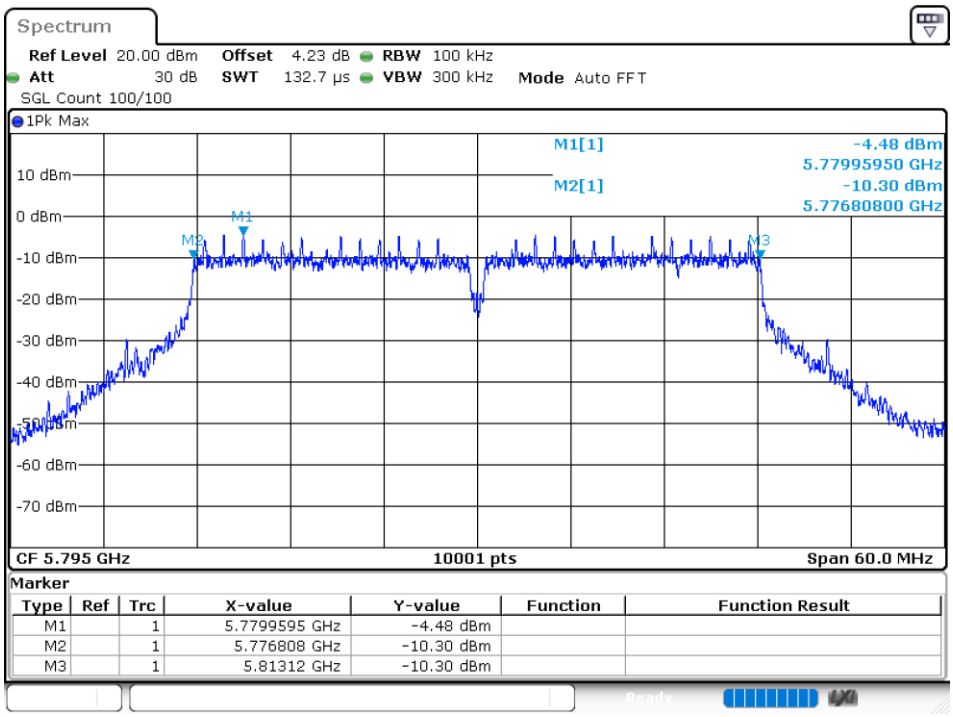
-6dB Bandwidth NVNT n20 5825MHz Ant2



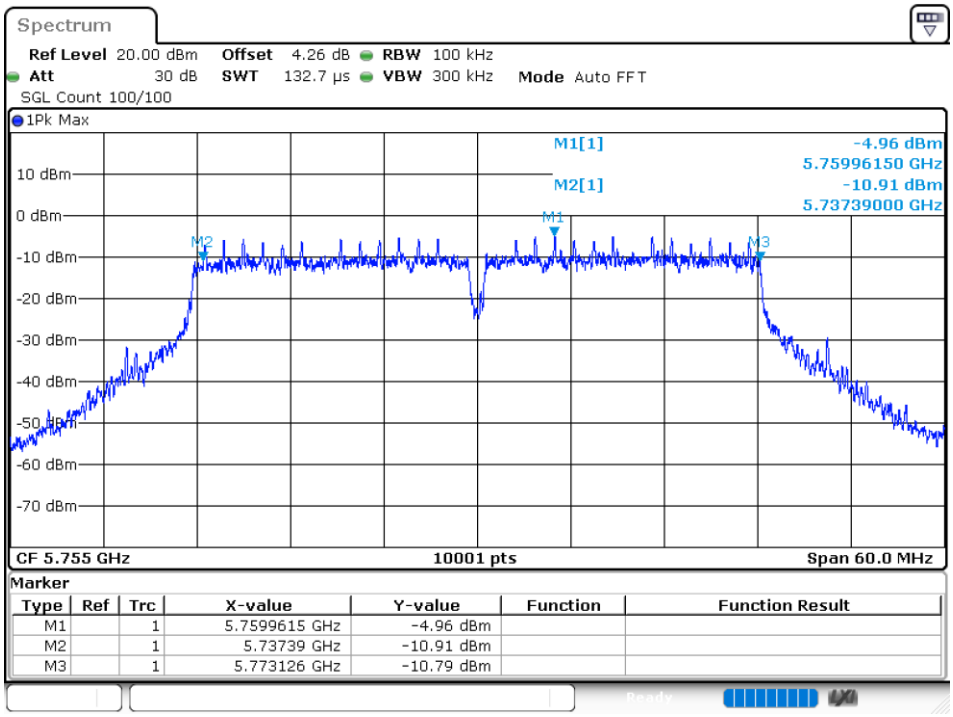
-6dB Bandwidth NVNT n40 5755MHz Ant1



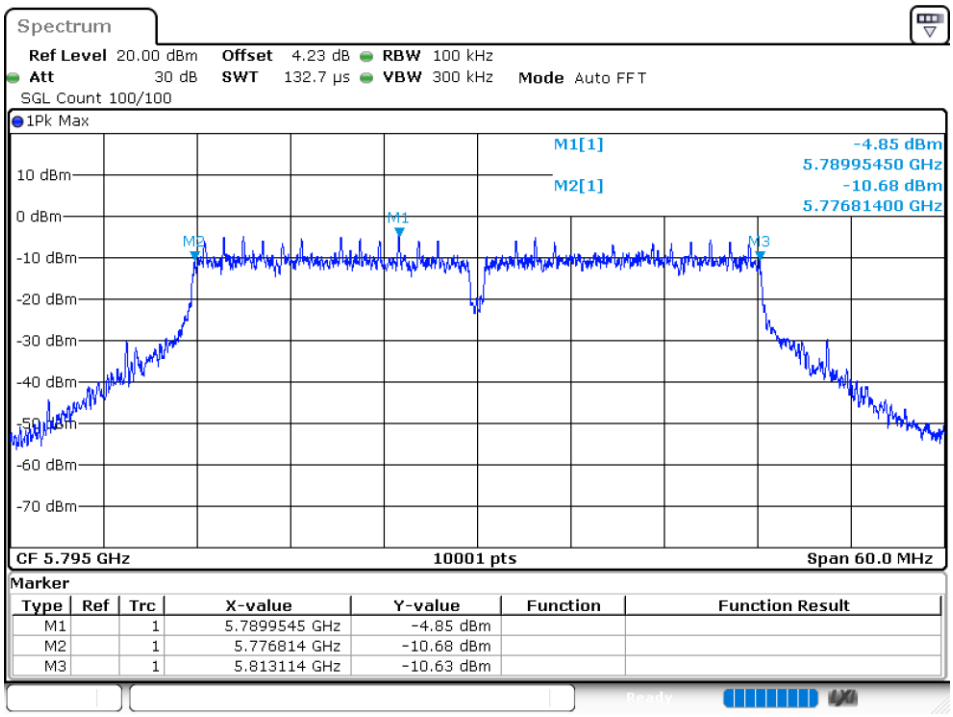
-6dB Bandwidth NVNT n40 5795MHz Ant1



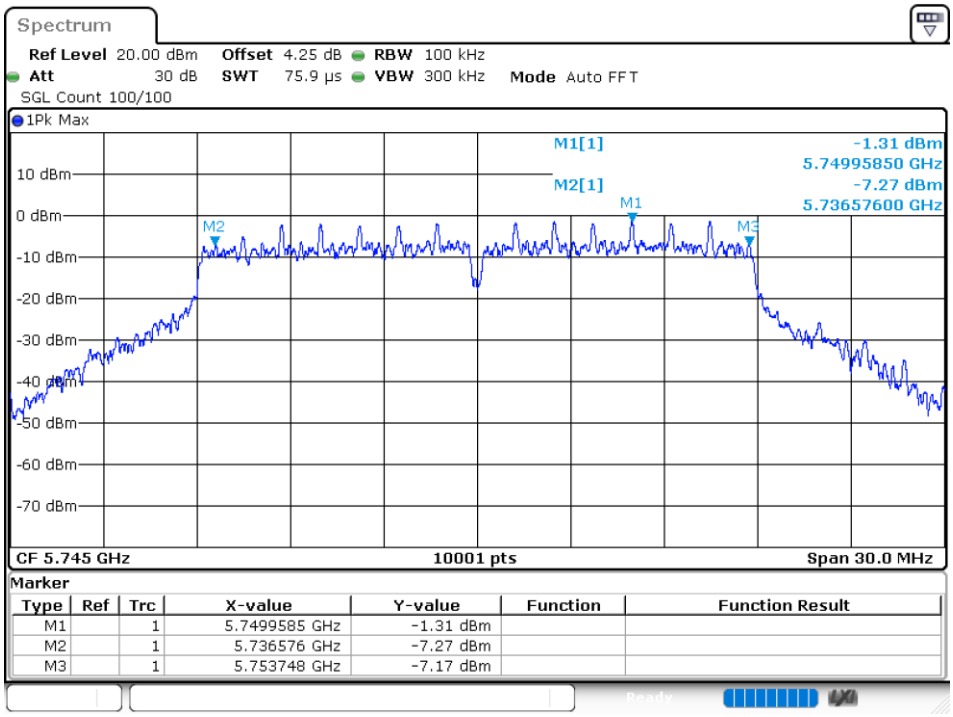
-6dB Bandwidth NVNT n40 5755MHz Ant2



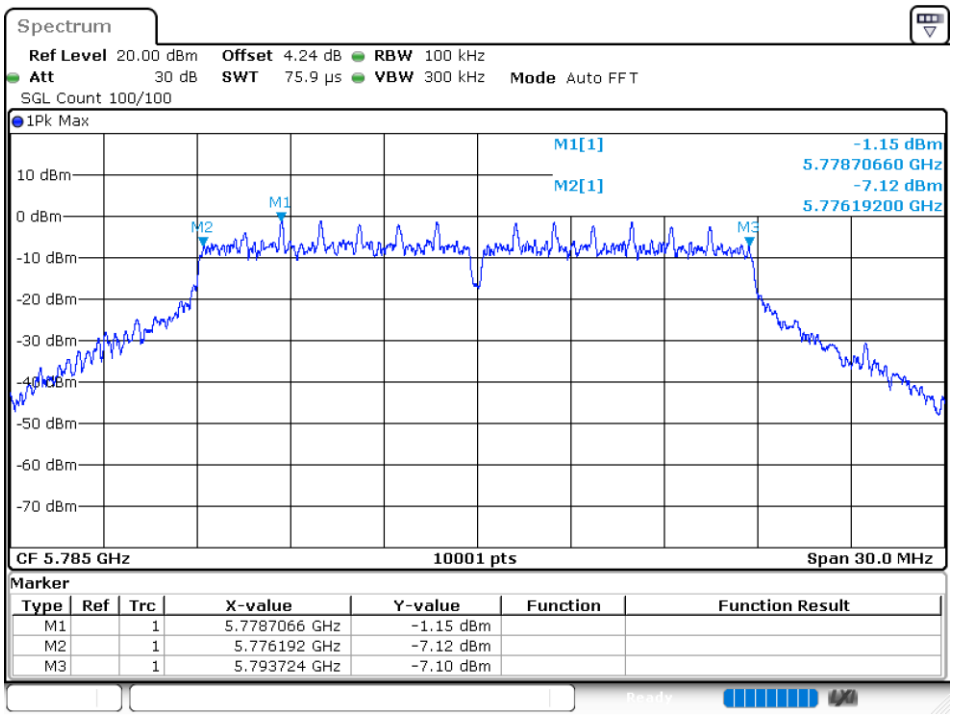
-6dB Bandwidth NVNT n40 5795MHz Ant2



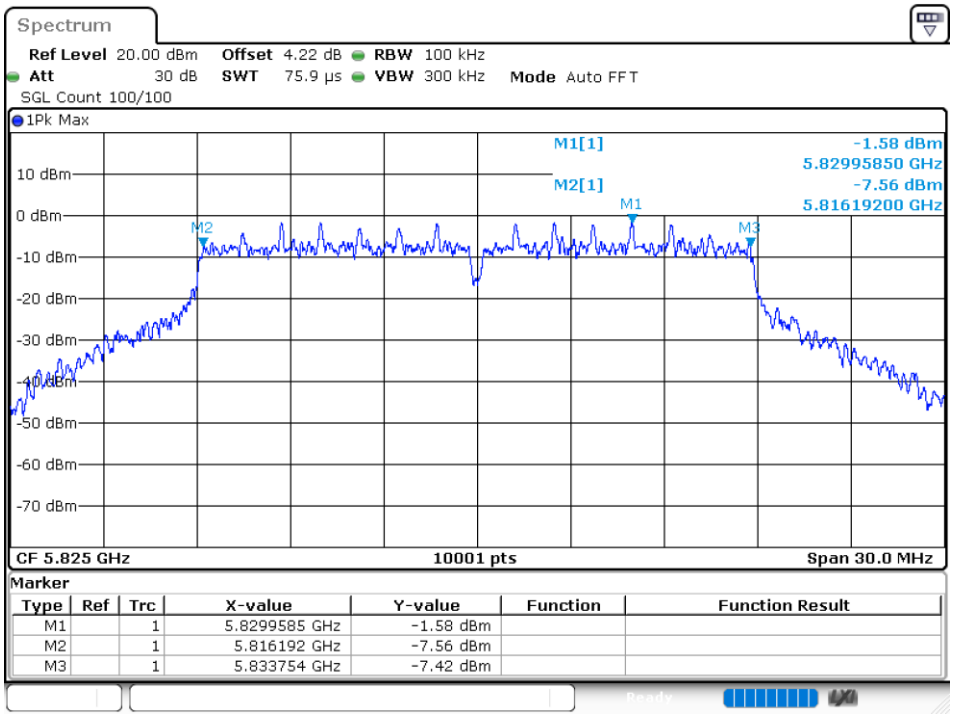
-6dB Bandwidth NVNT ac20 5745MHz Ant1



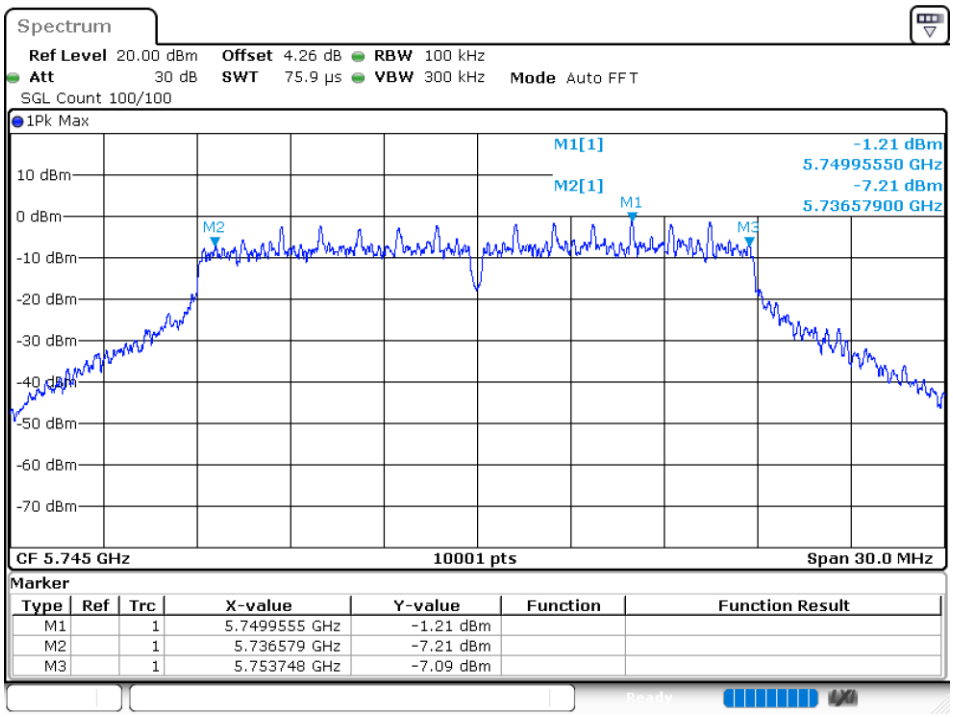
-6dB Bandwidth NVNT ac20 5785MHz Ant1



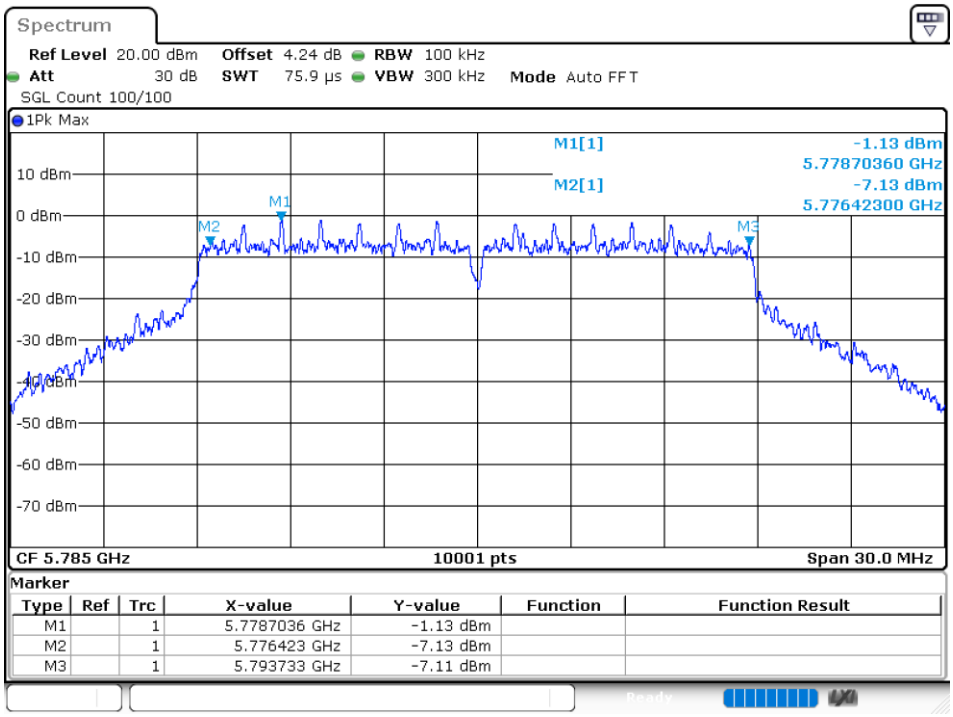
-6dB Bandwidth NVNT ac20 5825MHz Ant1



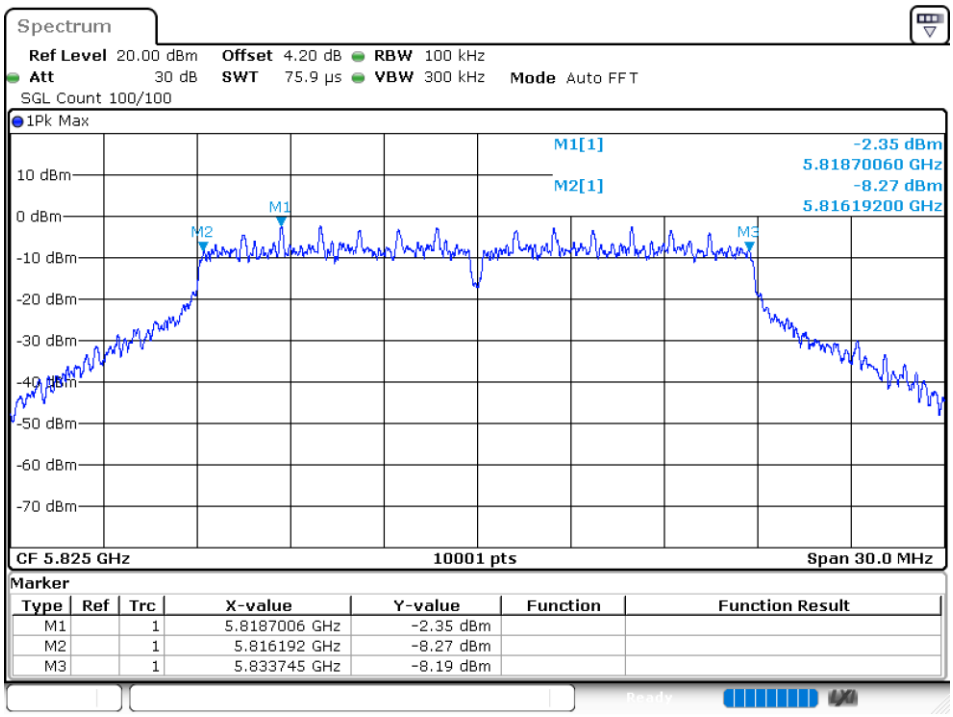
-6dB Bandwidth NVNT ac20 5745MHz Ant2



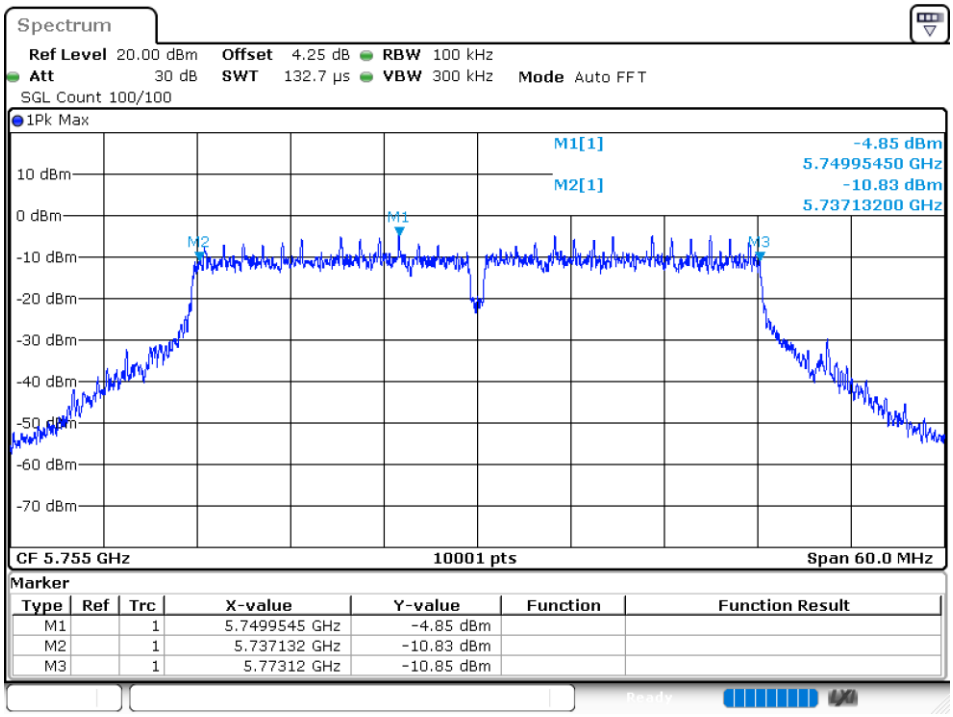
-6dB Bandwidth NVNT ac20 5785MHz Ant2



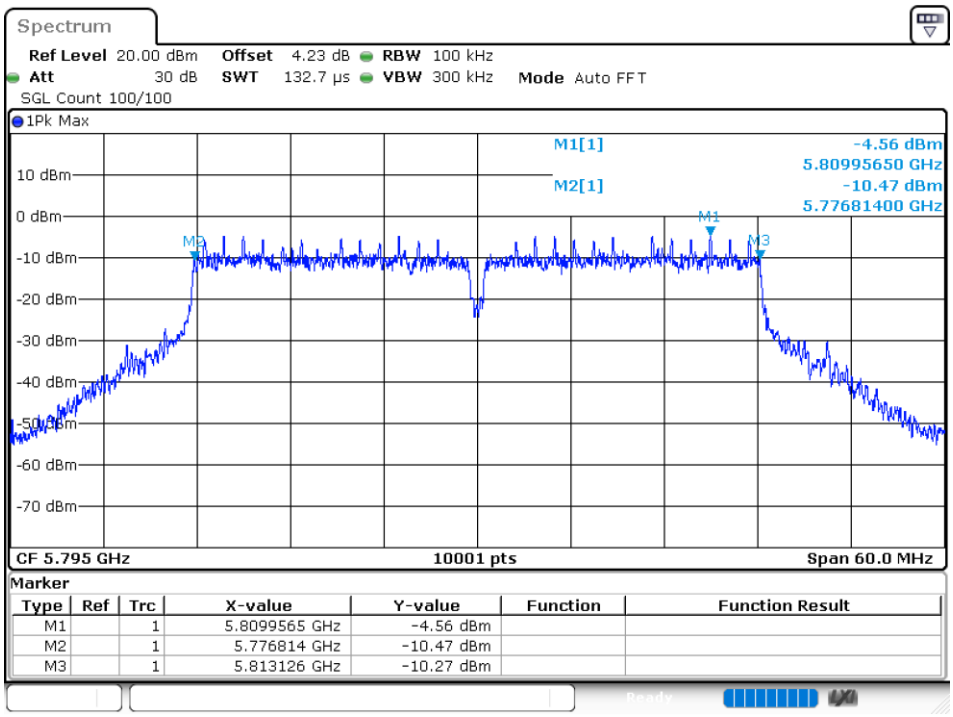
-6dB Bandwidth NVNT ac20 5825MHz Ant2



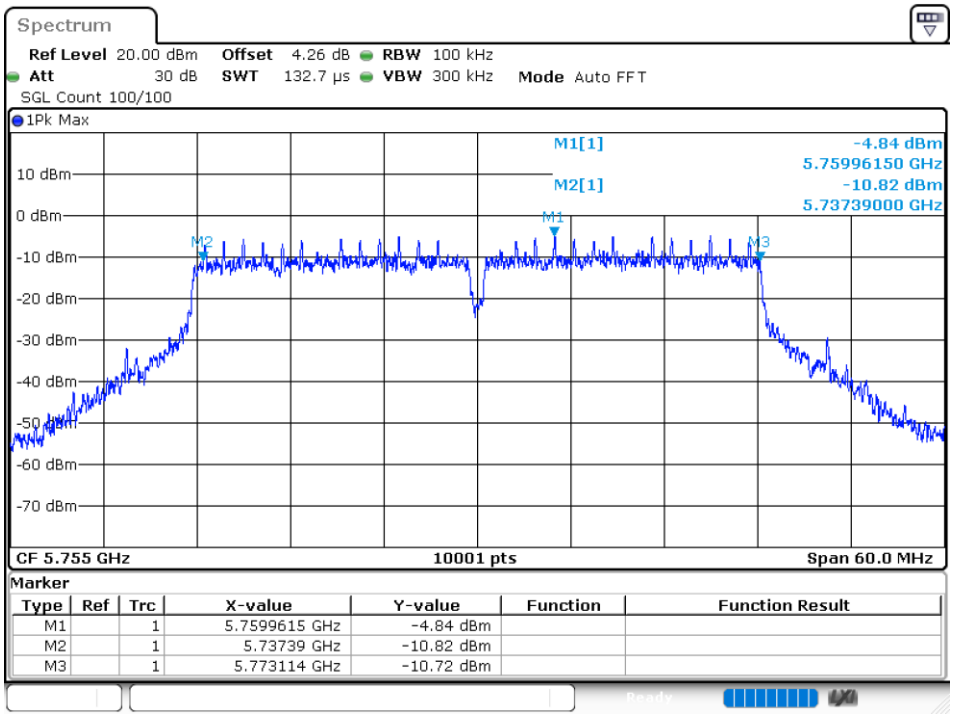
-6dB Bandwidth NVNT ac40 5755MHz Ant1



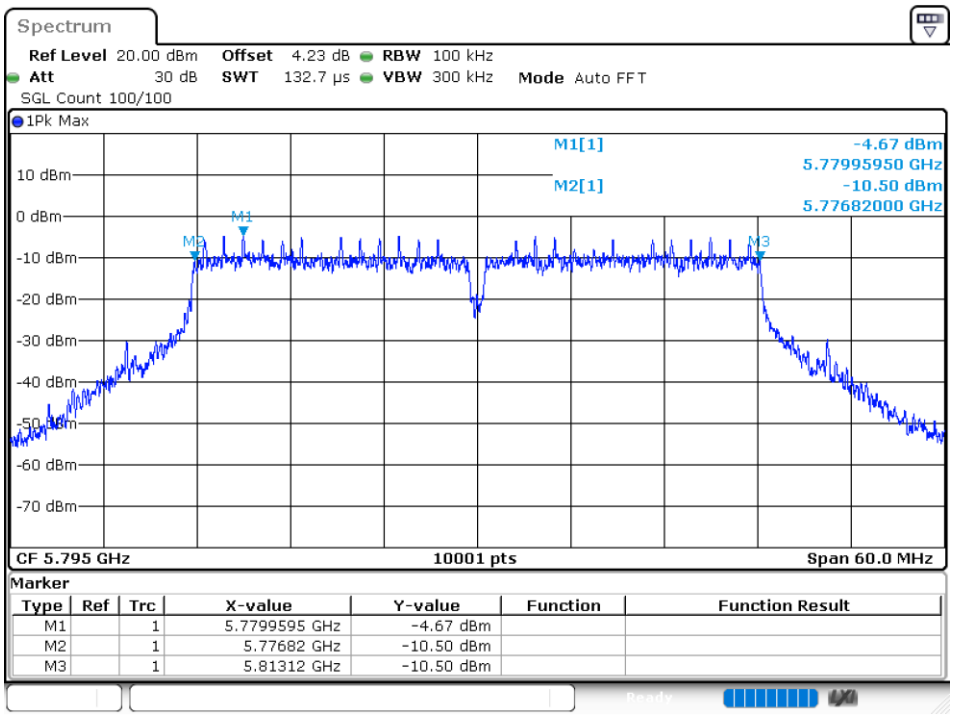
-6dB Bandwidth NVNT ac40 5795MHz Ant1



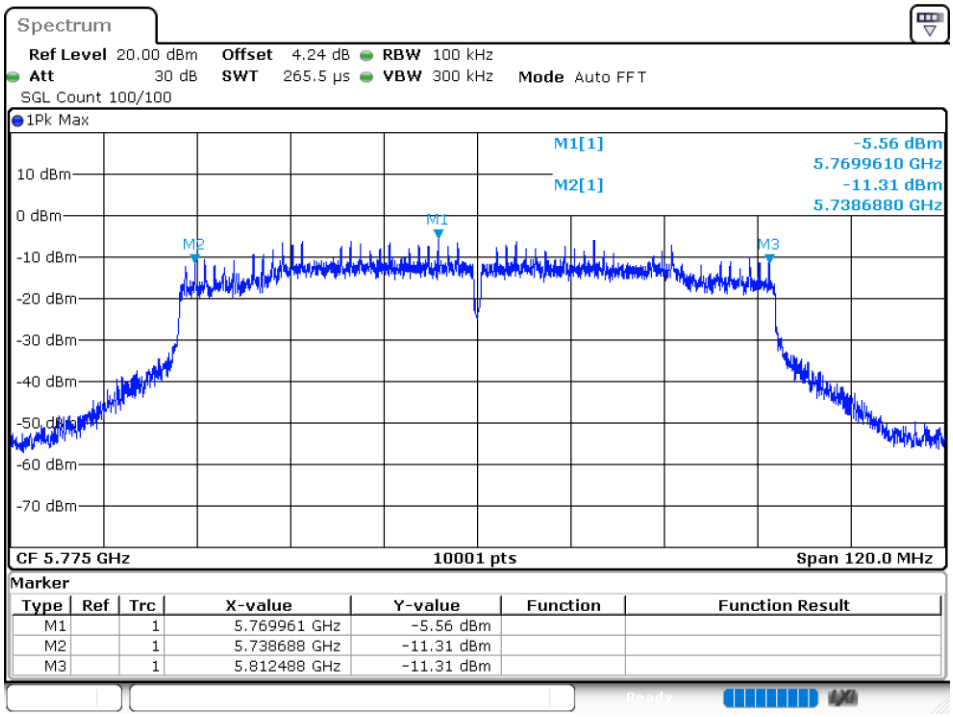
-6dB Bandwidth NVNT ac40 5755MHz Ant2



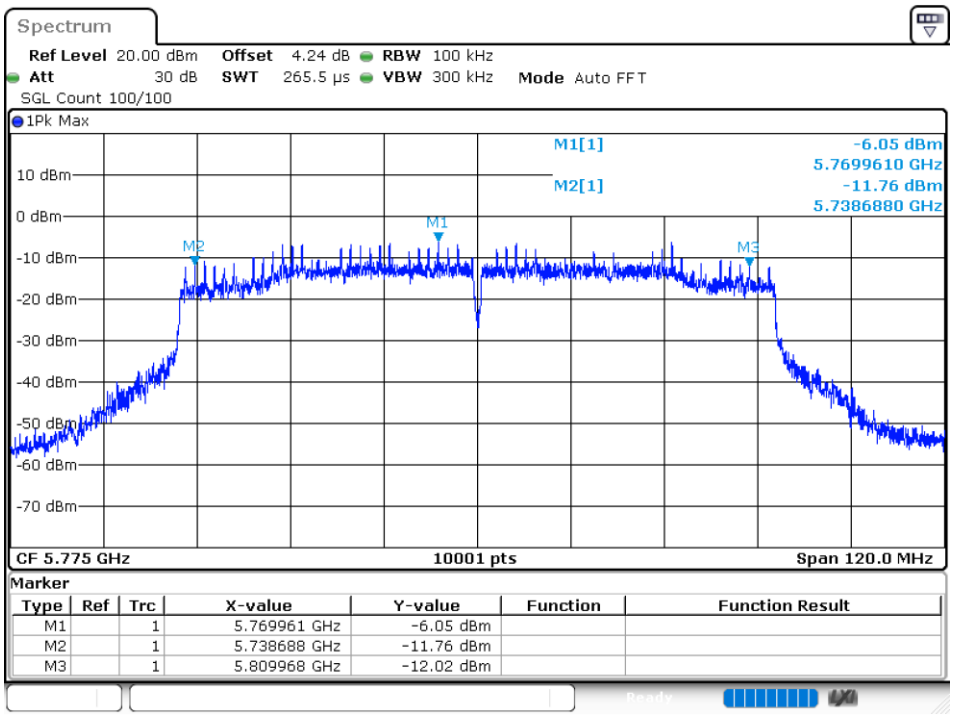
-6dB Bandwidth NVNT ac40 5795MHz Ant2



-6dB Bandwidth NVNT ac80 5775MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant2

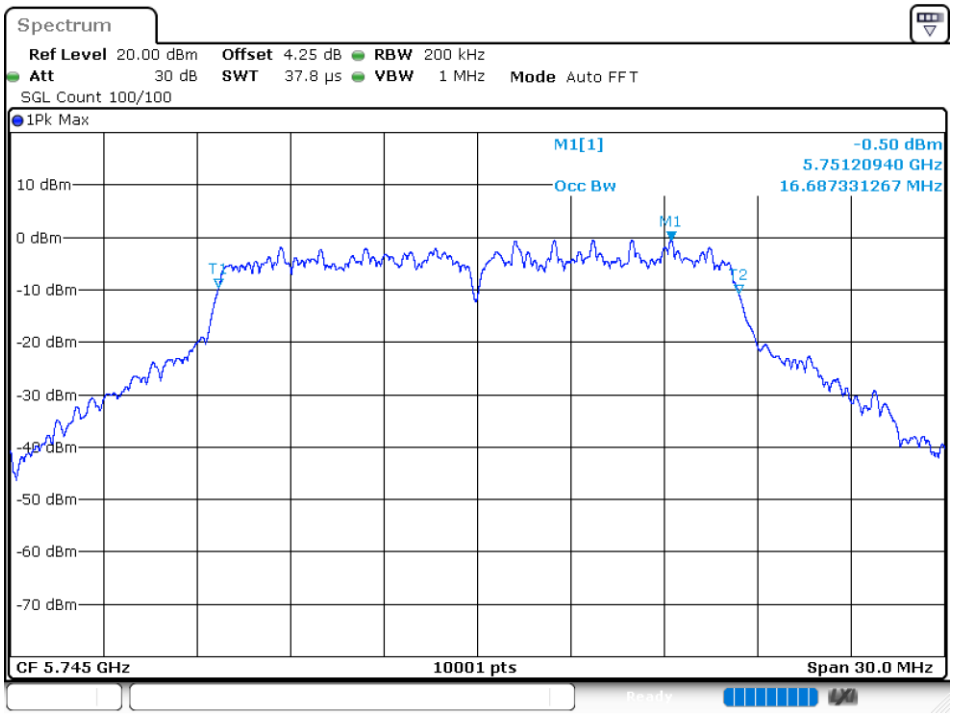


Occupied Channel Bandwidth

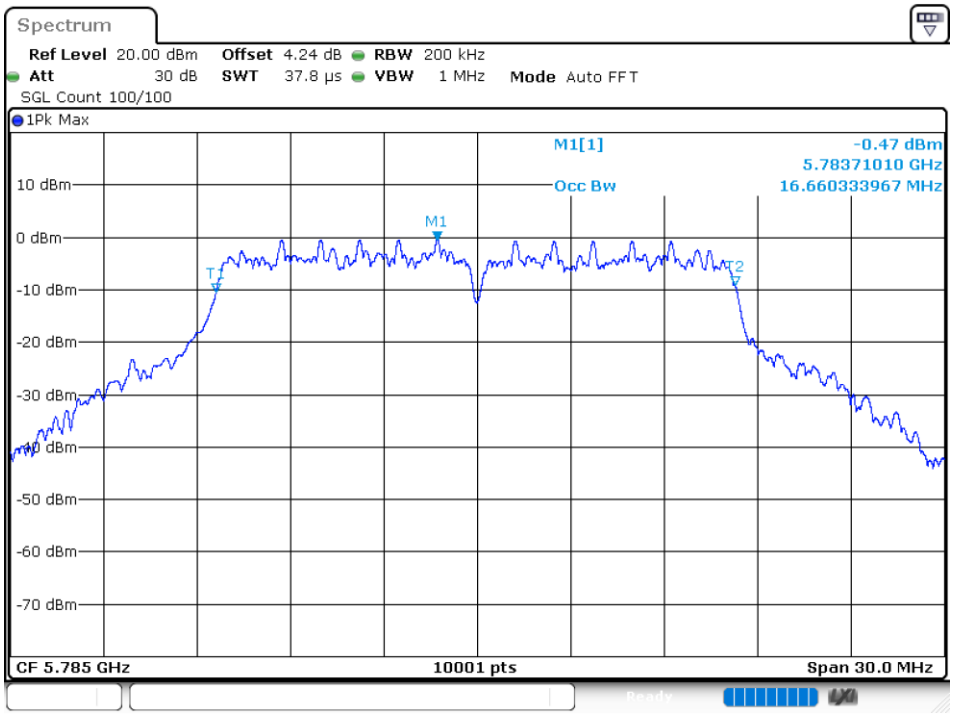
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.687
NVNT	a	5785	Ant1	16.66
NVNT	a	5825	Ant1	16.618
NVNT	a	5745	Ant2	16.669
NVNT	a	5785	Ant2	16.756
NVNT	a	5825	Ant2	16.621
NVNT	n20	5745	Ant1	17.797
NVNT	n20	5785	Ant1	17.866
NVNT	n20	5825	Ant1	17.758
NVNT	n20	5745	Ant2	17.809
NVNT	n20	5785	Ant2	17.881
NVNT	n20	5825	Ant2	17.803
NVNT	n40	5755	Ant1	36.386
NVNT	n40	5795	Ant1	36.494
NVNT	n40	5755	Ant2	36.41
NVNT	n40	5795	Ant2	36.47
NVNT	ac20	5745	Ant1	17.818
NVNT	ac20	5785	Ant1	17.728
NVNT	ac20	5825	Ant1	17.785
NVNT	ac20	5745	Ant2	17.833
NVNT	ac20	5785	Ant2	17.773
NVNT	ac20	5825	Ant2	17.791
NVNT	ac40	5755	Ant1	36.398
NVNT	ac40	5795	Ant1	36.488
NVNT	ac40	5755	Ant2	36.368
NVNT	ac40	5795	Ant2	36.494
NVNT	ac80	5775	Ant1	75.004
NVNT	ac80	5775	Ant2	74.921

Test Graphs

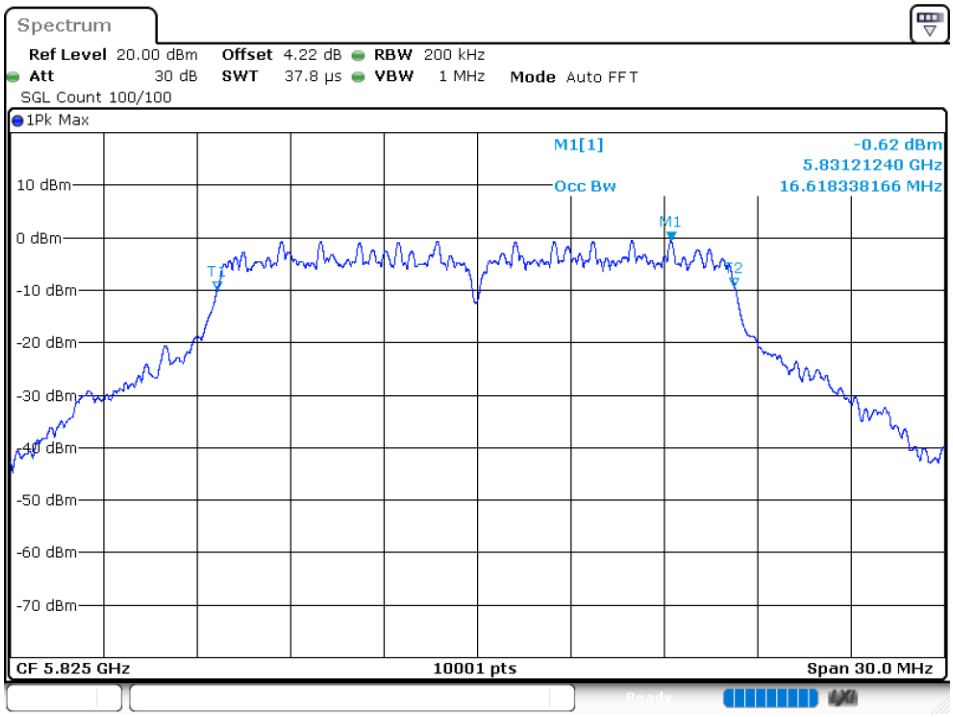
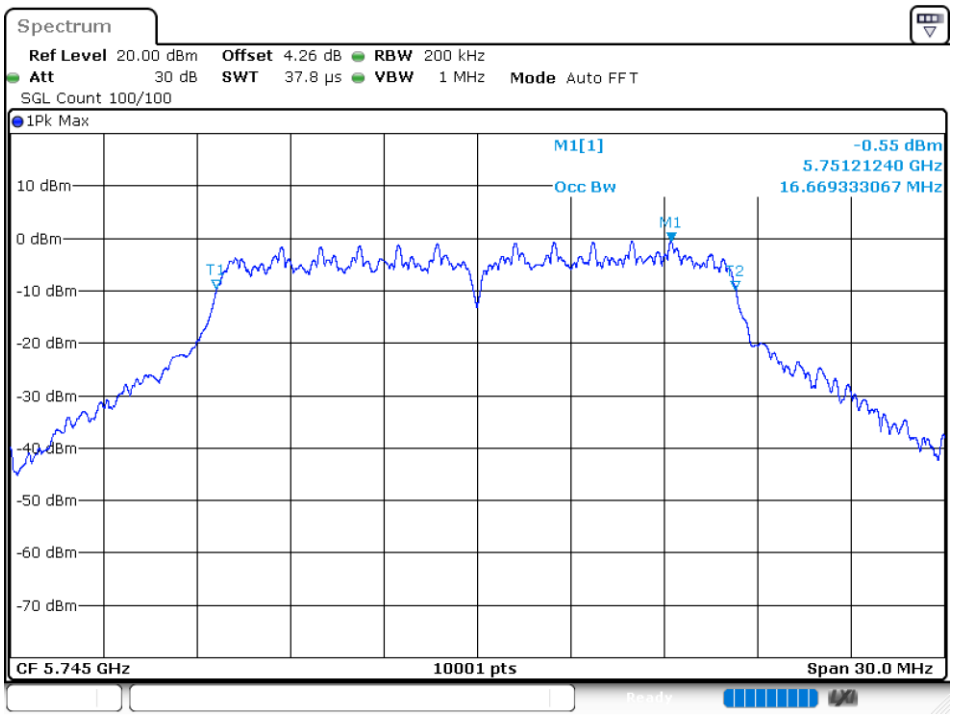
OBW NVNT a 5745MHz Ant1



OBW NVNT a 5785MHz Ant1



OBW NVNT a 5825MHz Ant1



OBW NVNT a 5745MHz Ant2