Test data attachment for WLAN 5.8G

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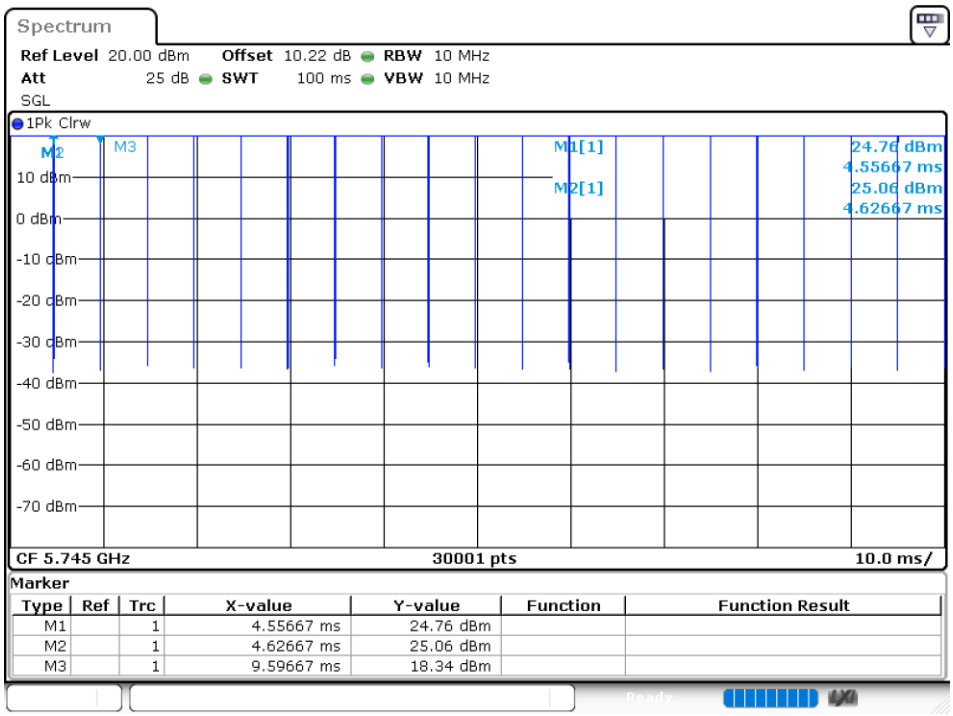
8dBi Antenna

Duty Cycle

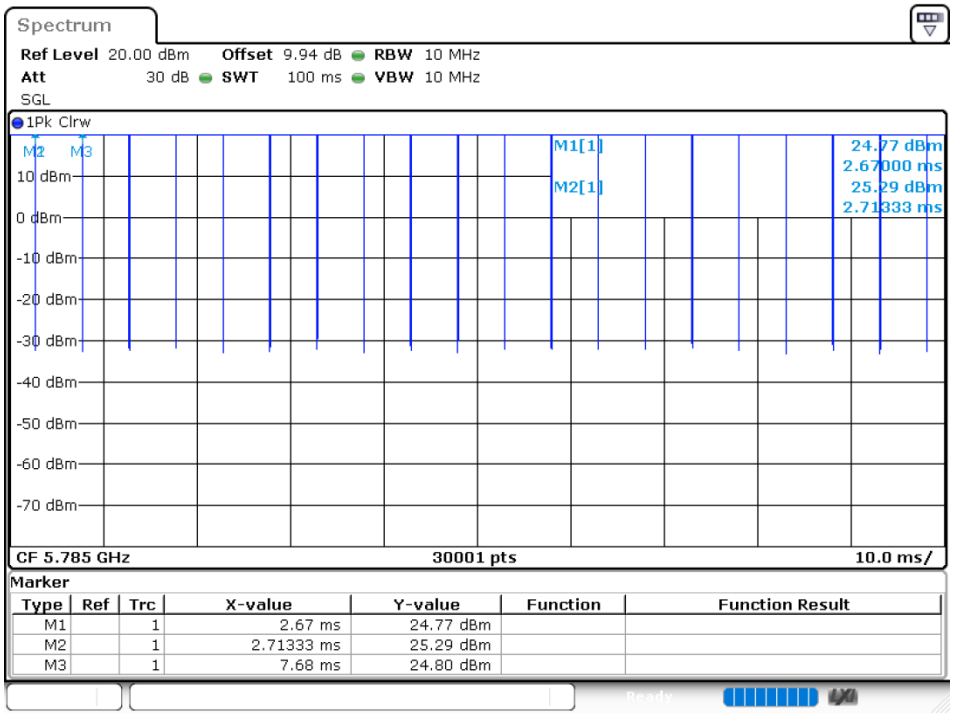
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5745	Ant1	99.03	0.04	0.2
NVNT	ac20	5785	Ant1	98.99	0.04	0.2
NVNT	ac20	5825	Ant1	98.98	0.04	0.2
NVNT	ac20	5745	Ant2	98.97	0.05	0.2
NVNT	ac20	5785	Ant2	98.92	0.05	0.2
NVNT	ac20	5825	Ant2	98.95	0.05	0.2
NVNT	ac40	5755	Ant1	97.86	0.09	0.41
NVNT	ac40	5795	Ant1	97.83	0.1	0.41
NVNT	ac40	5755	Ant2	97.78	0.1	0.41
NVNT	ac40	5795	Ant2	97.83	0.1	0.41
NVNT	ac80	5775	Ant1	95.56	0.2	0.88
NVNT	ac80	5775	Ant2	95.63	0.19	0.88
NVNT	ax20	5745	Ant1	98.71	0.06	0.25
NVNT	ax20	5785	Ant1	98.78	0.05	0.25
NVNT	ax20	5825	Ant1	98.77	0.05	0.25
NVNT	ax20	5745	Ant2	98.72	0.06	0.25
NVNT	ax20	5785	Ant2	98.75	0.05	0.25
NVNT	ax20	5825	Ant2	98.67	0.06	0.25
NVNT	ax40	5755	Ant1	97.59	0.11	0.49
NVNT	ax40	5795	Ant1	97.63	0.1	0.49
NVNT	ax40	5755	Ant2	97.59	0.11	0.49
NVNT	ax40	5795	Ant2	97.64	0.1	0.49
NVNT	ax80	5775	Ant1	95.05	0.22	1
NVNT	ax80	5775	Ant2	95.1	0.22	1

Test Graphs

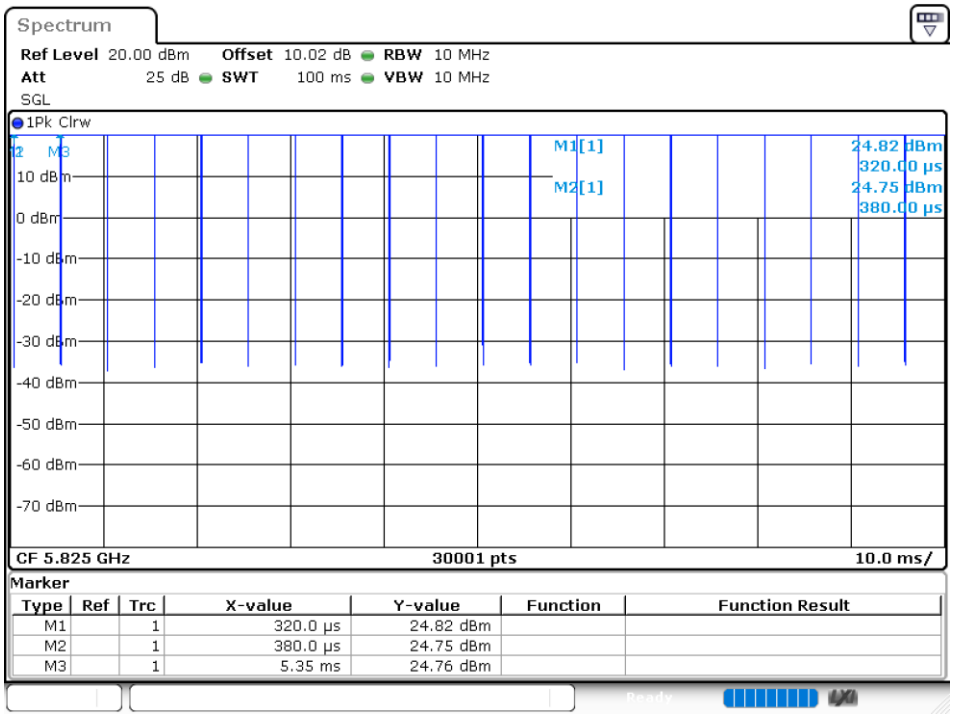
Duty Cycle NVNT ac20 5745MHz Ant1



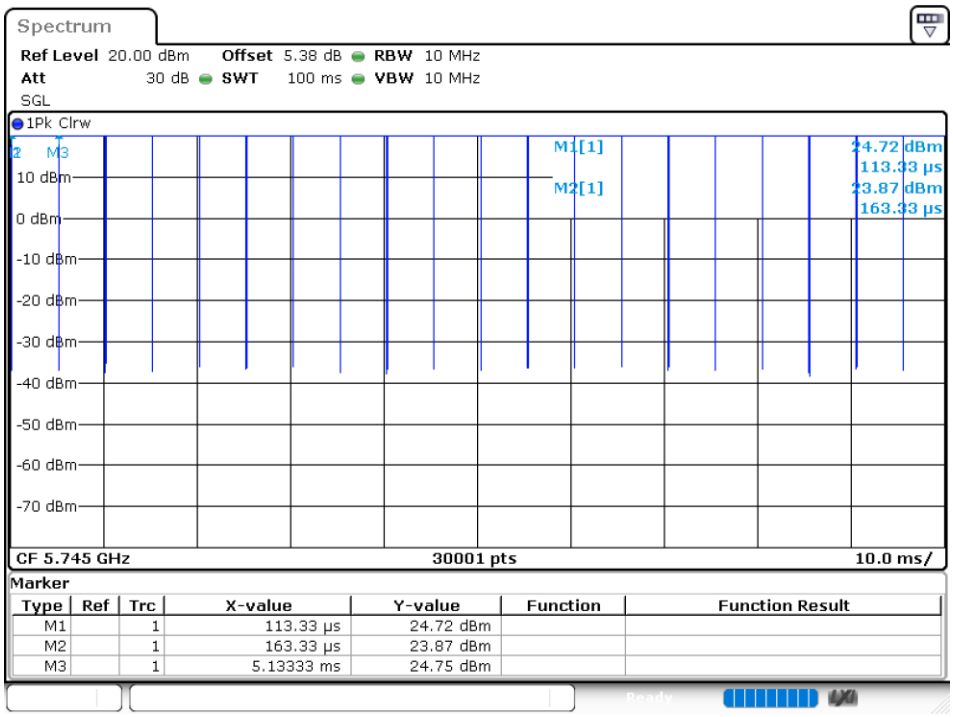
Duty Cycle NVNT ac20 5785MHz Ant1



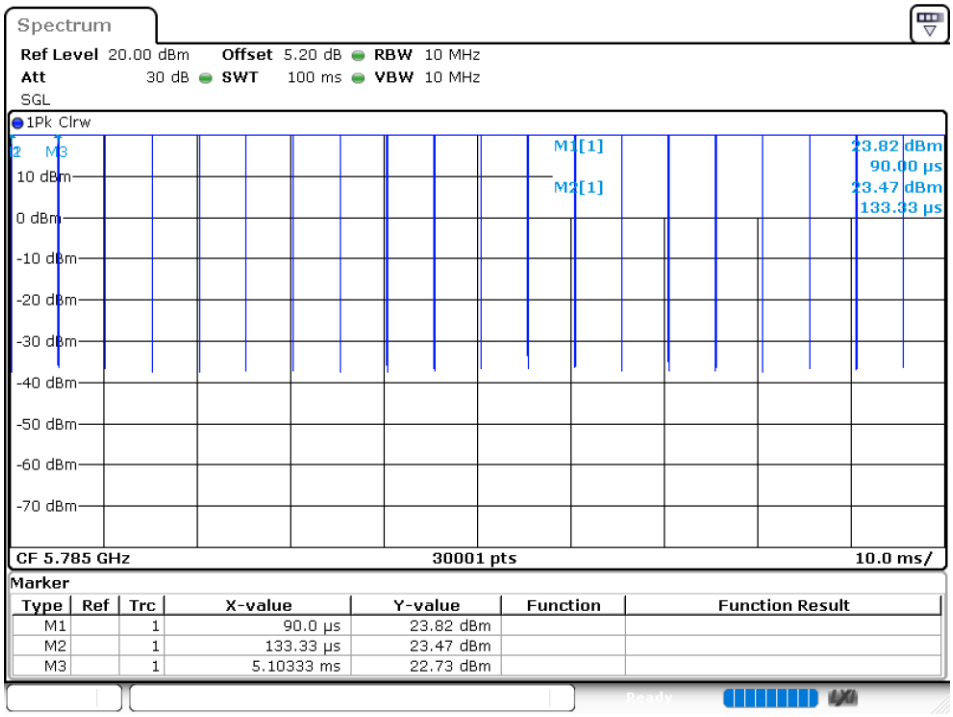
Duty Cycle NVNT ac20 5825MHz Ant1



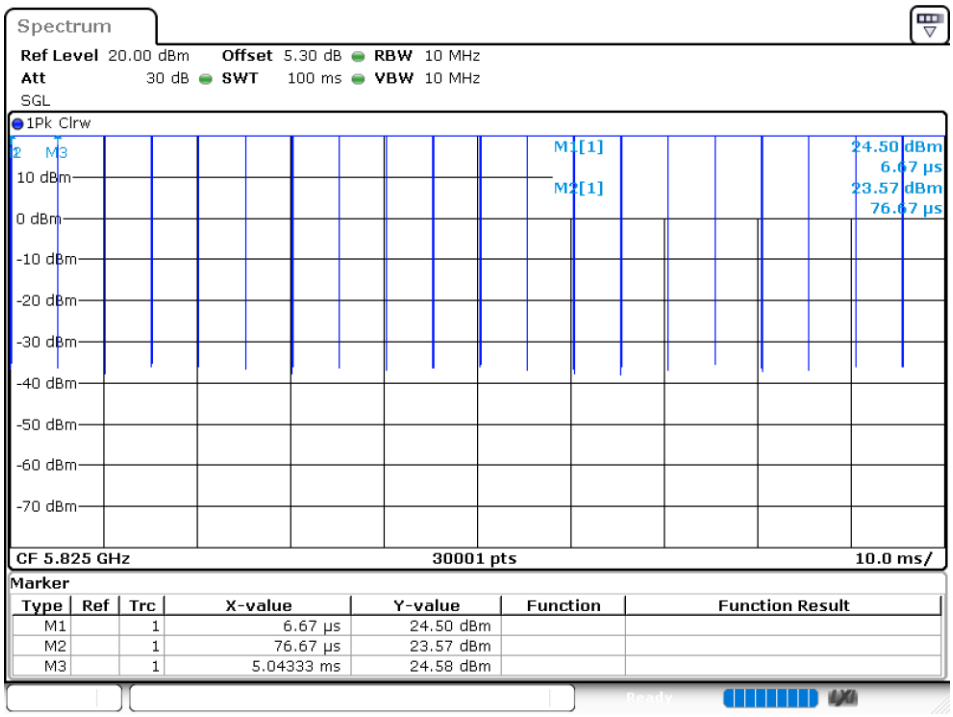
Duty Cycle NVNT ac20 5745MHz Ant2



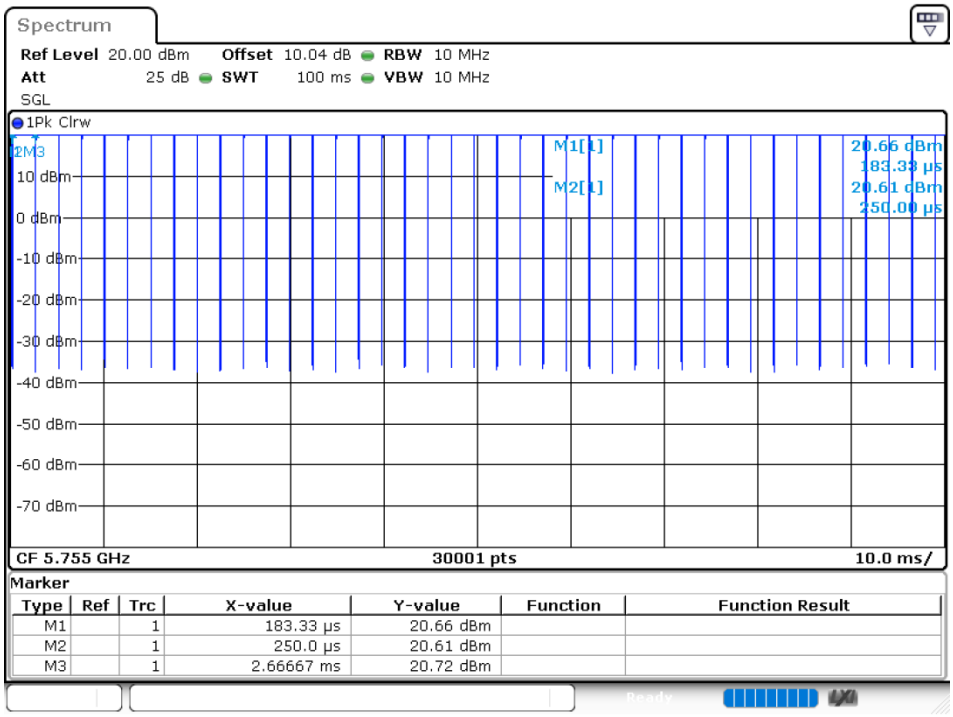
Duty Cycle NVNT ac20 5785MHz Ant2



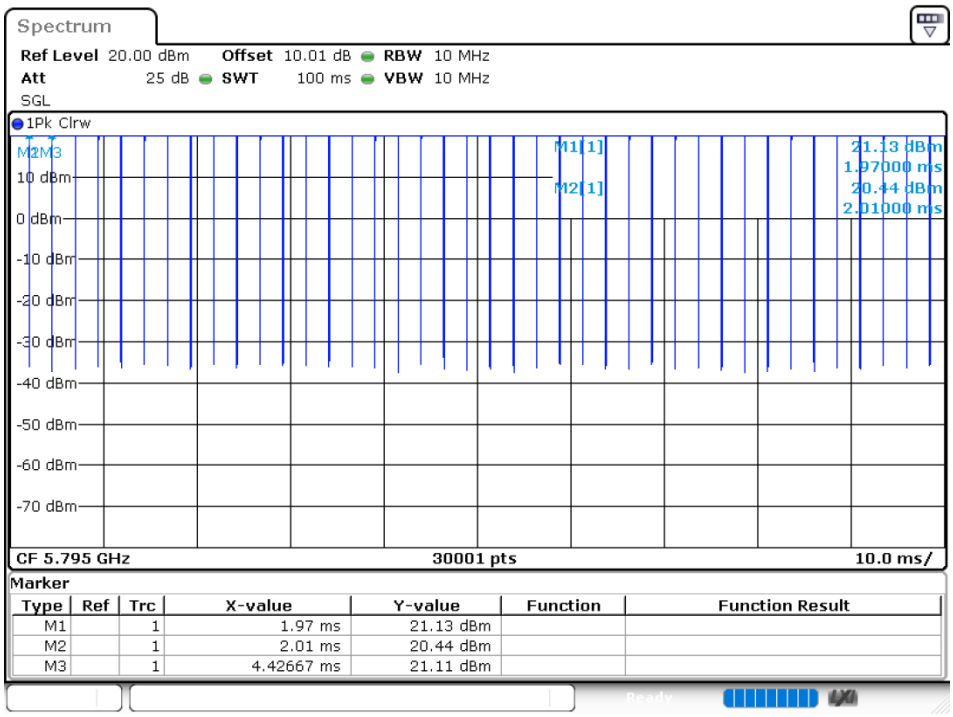
Duty Cycle NVNT ac20 5825MHz Ant2



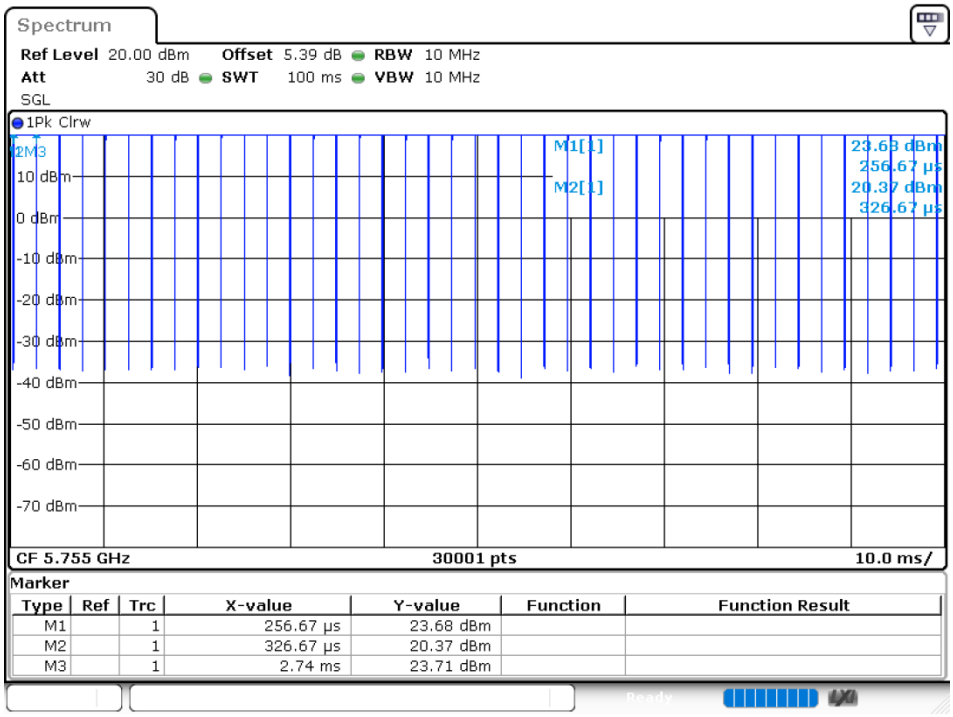
Duty Cycle NVNT ac40 5755MHz Ant1



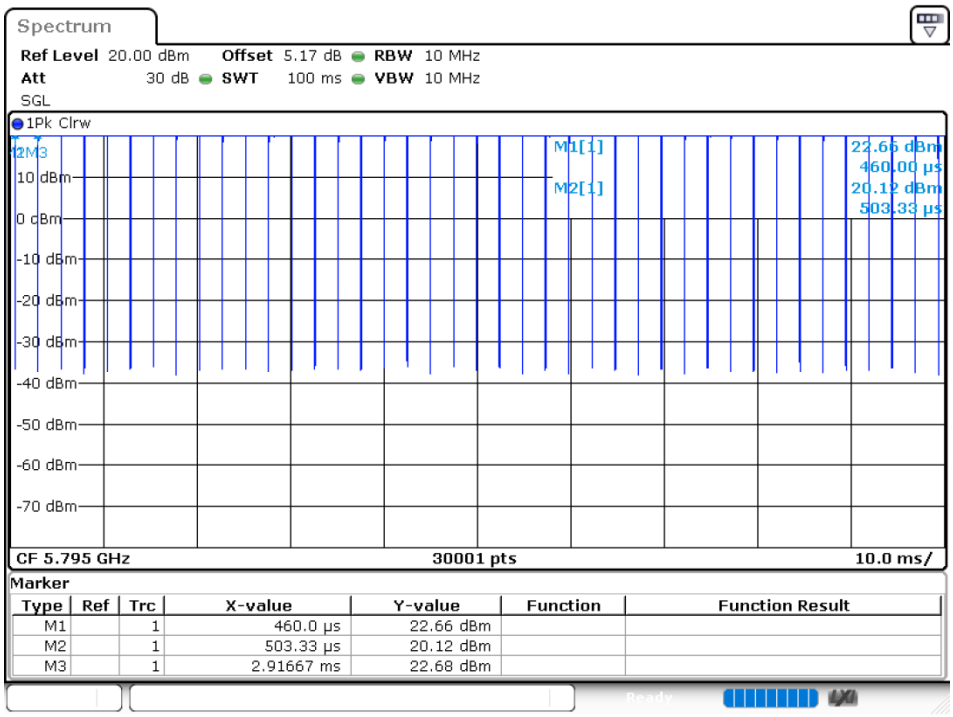
Duty Cycle NVNT ac40 5795MHz Ant1



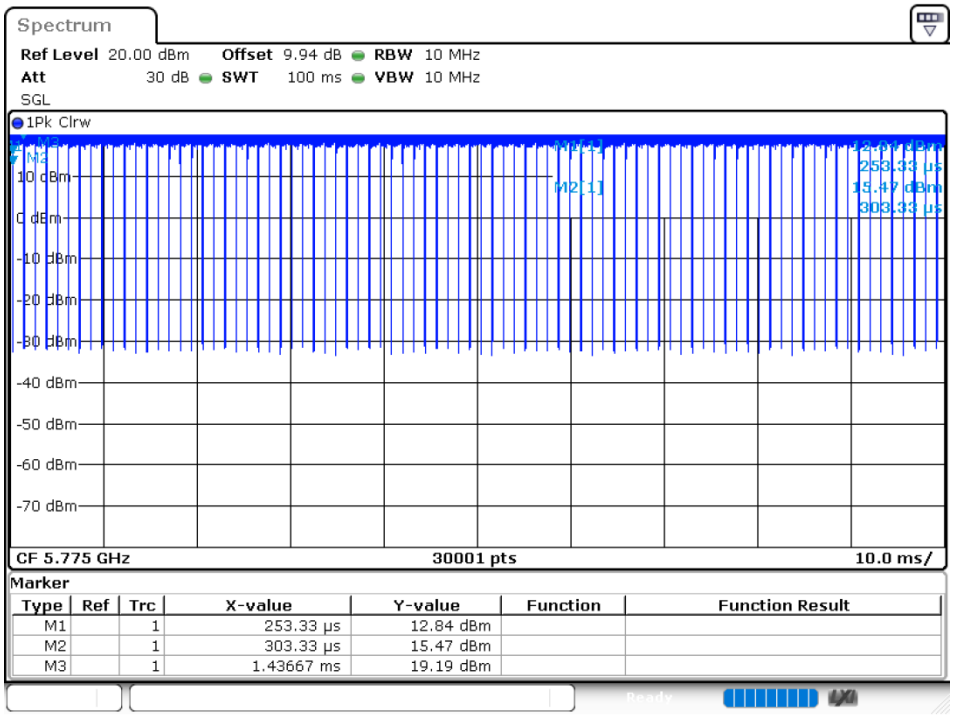
Duty Cycle NVNT ac40 5755MHz Ant2



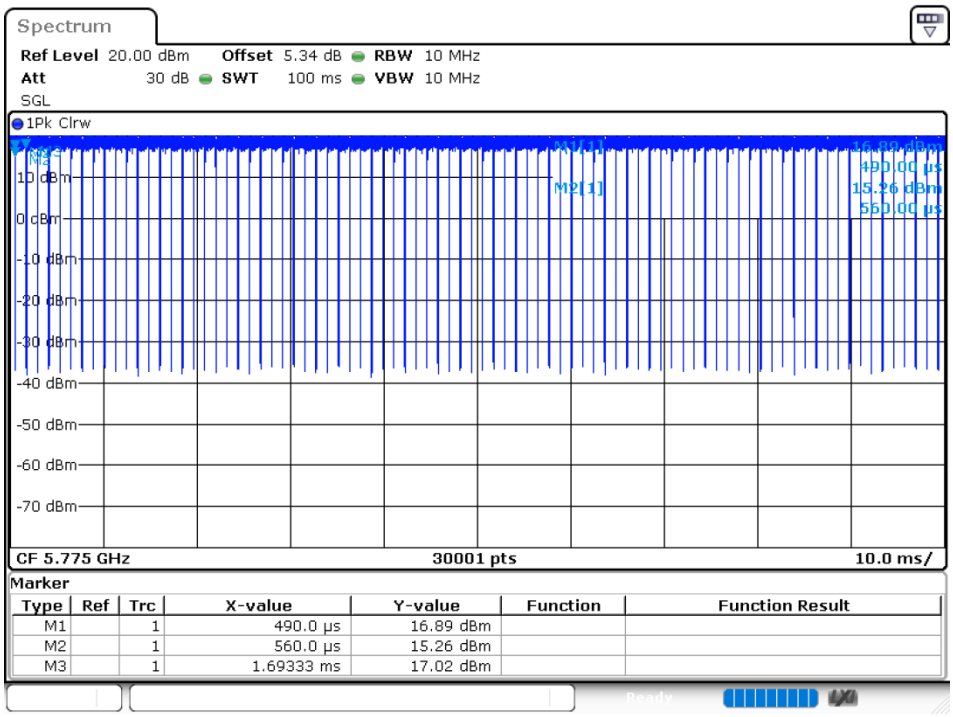
Duty Cycle NVNT ac40 5795MHz Ant2



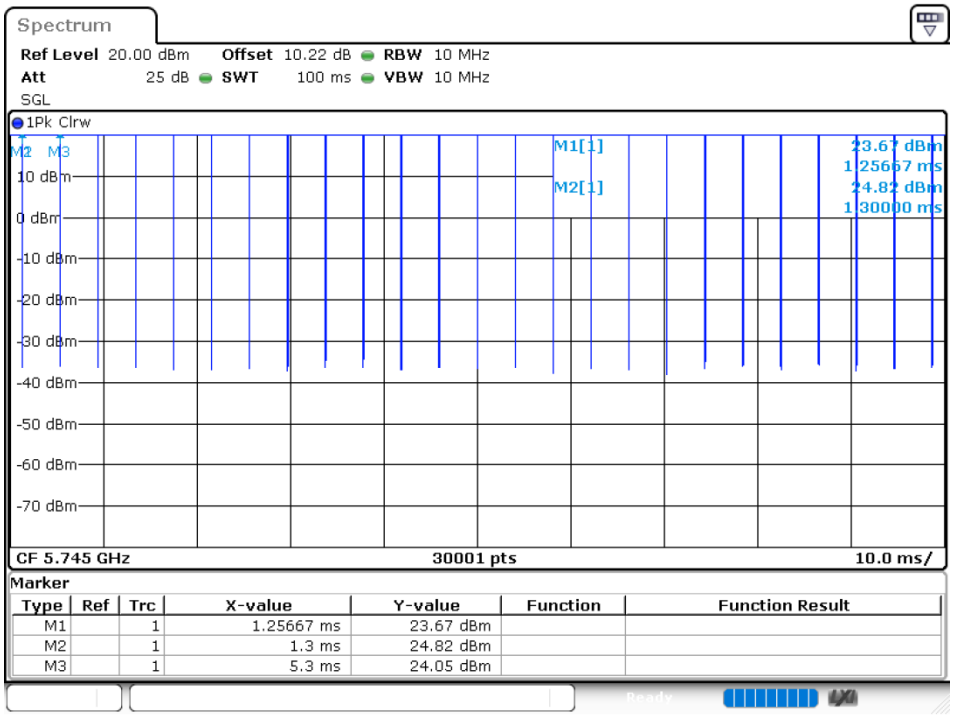
Duty Cycle NVNT ac80 5775MHz Ant1



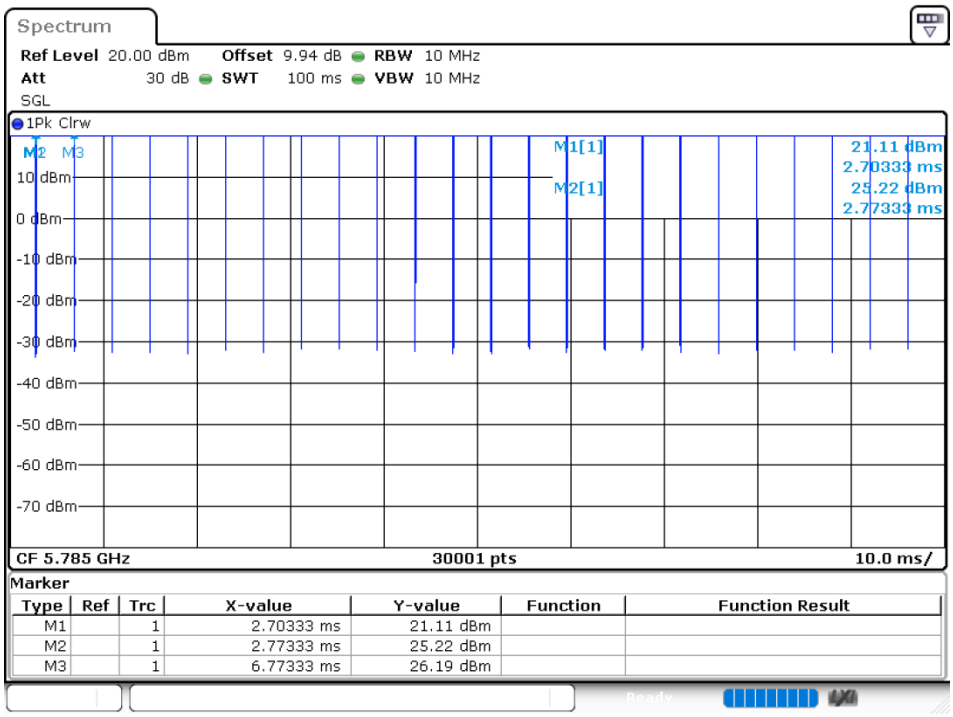
Duty Cycle NVNT ac80 5775MHz Ant2



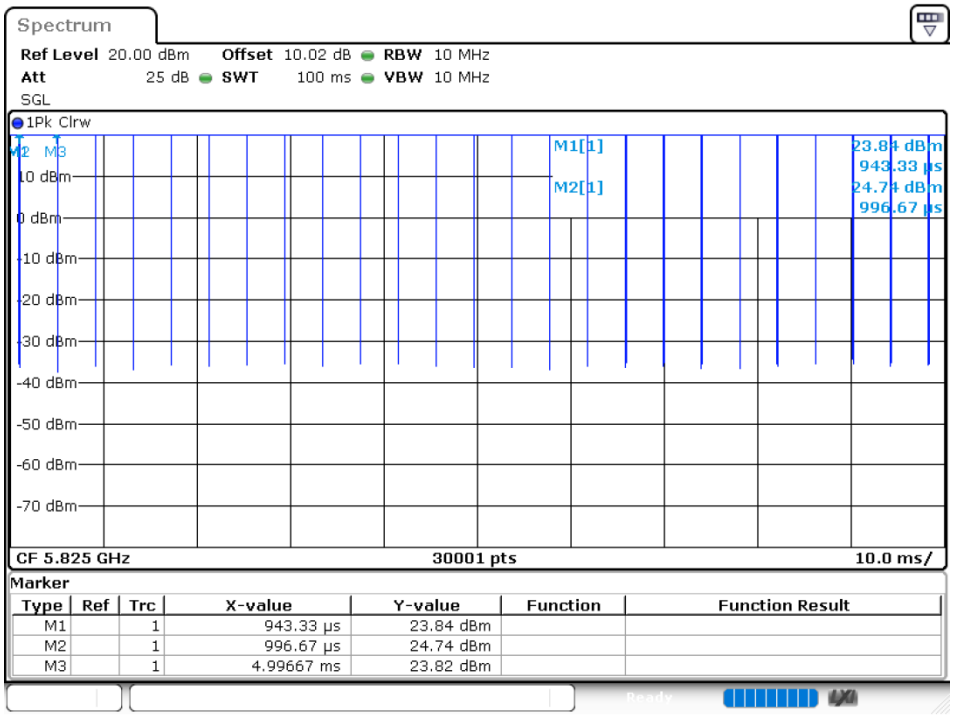
Duty Cycle NVNT ax20 5745MHz Ant1



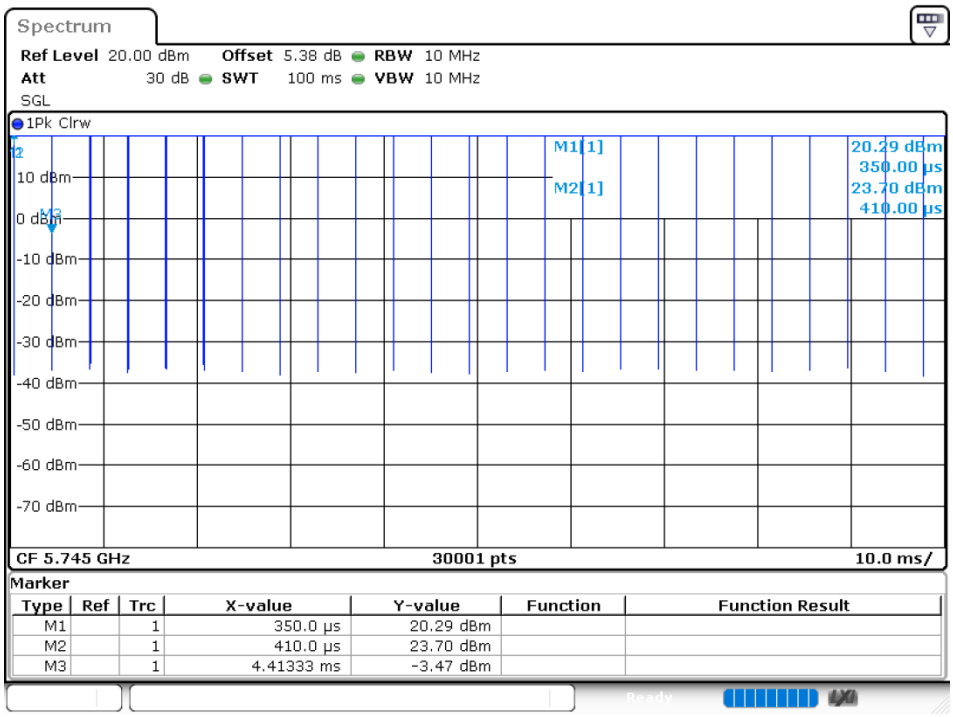
Duty Cycle NVNT ax20 5785MHz Ant1



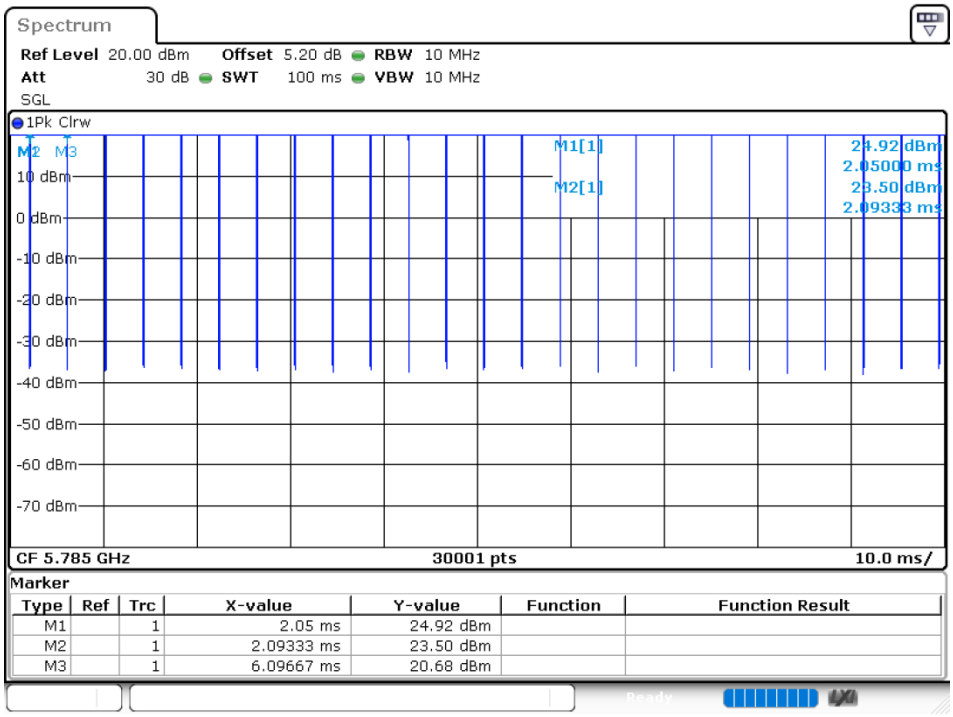
Duty Cycle NVNT ax20 5825MHz Ant1



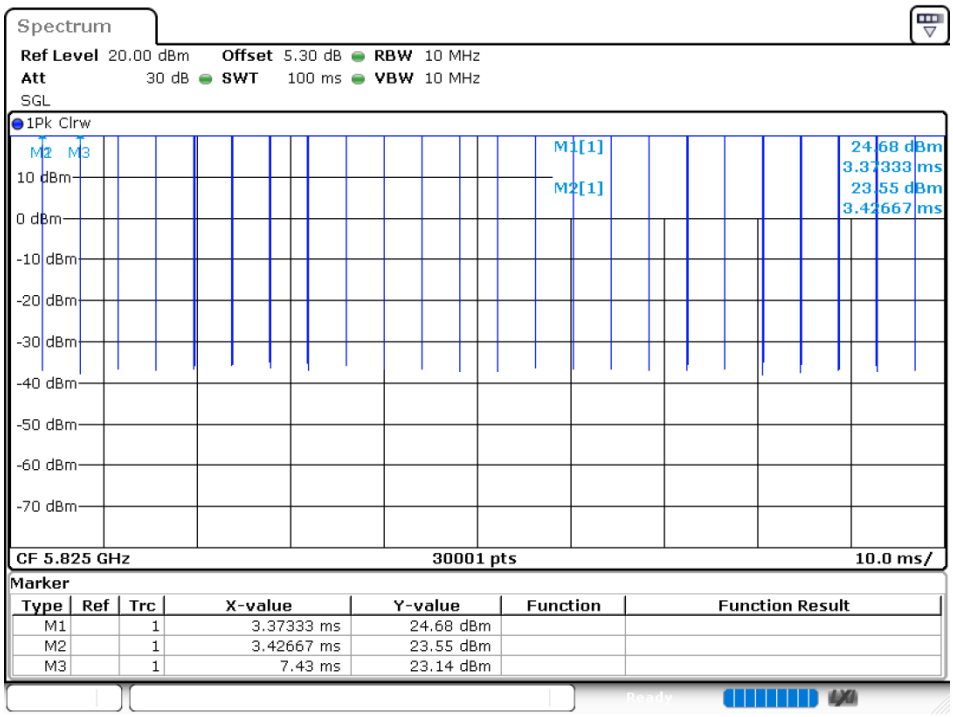
Duty Cycle NVNT ax20 5745MHz Ant2



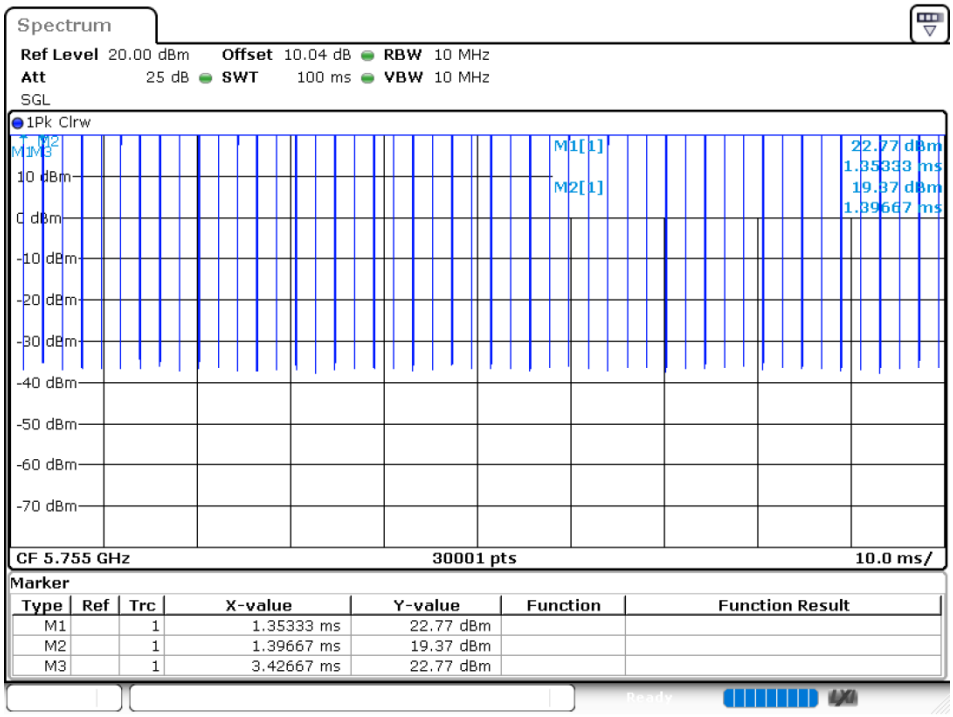
Duty Cycle NVNT ax20 5785MHz Ant2



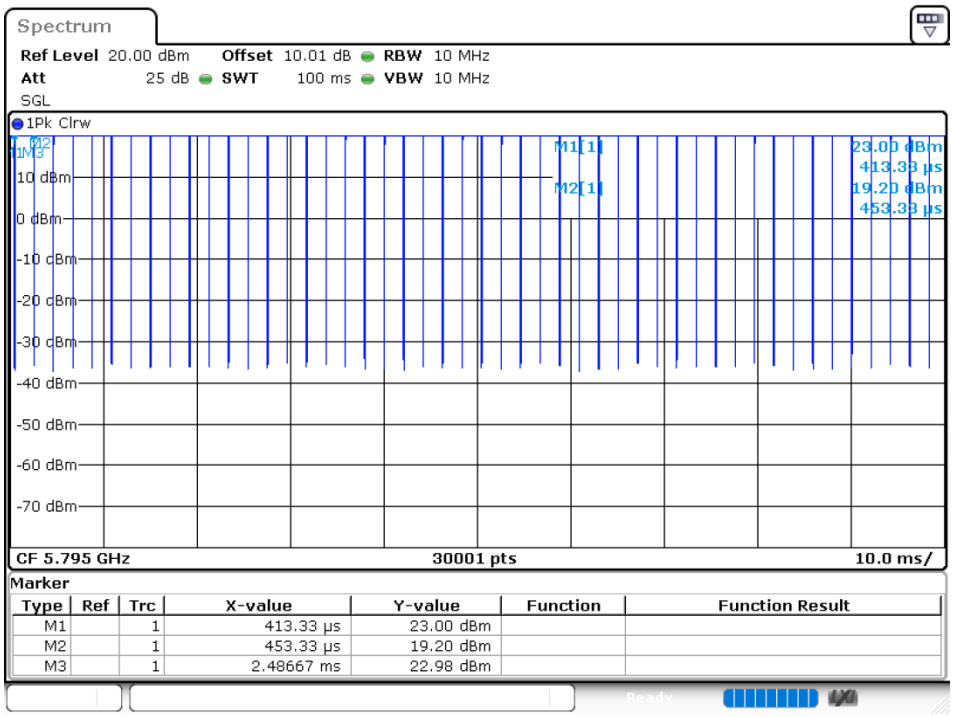
Duty Cycle NVNT ax20 5825MHz Ant2



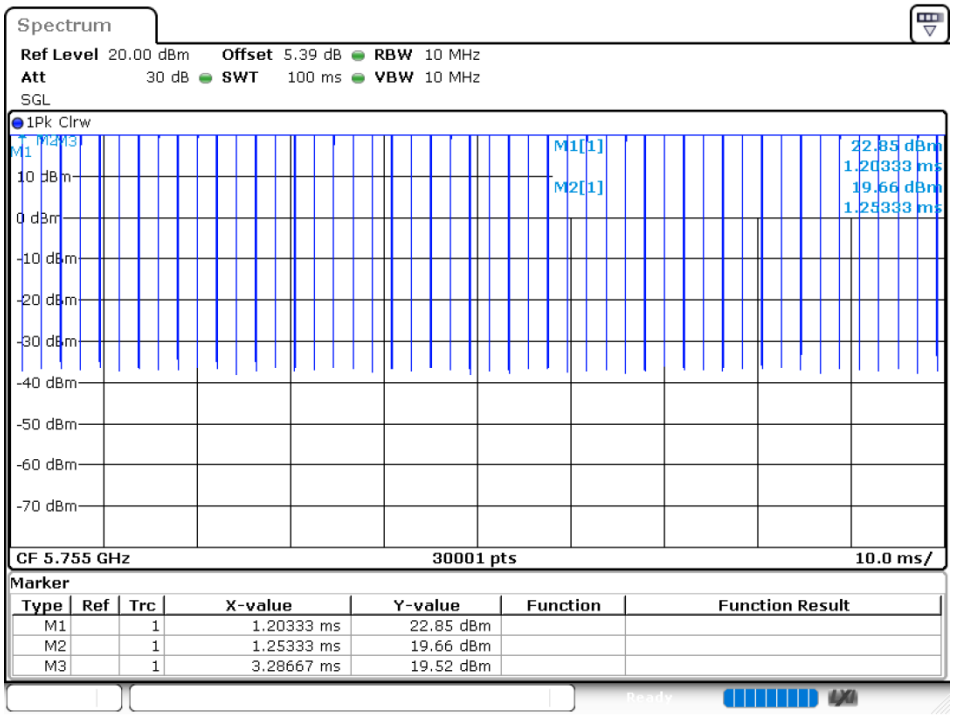
Duty Cycle NVNT ax40 5755MHz Ant1



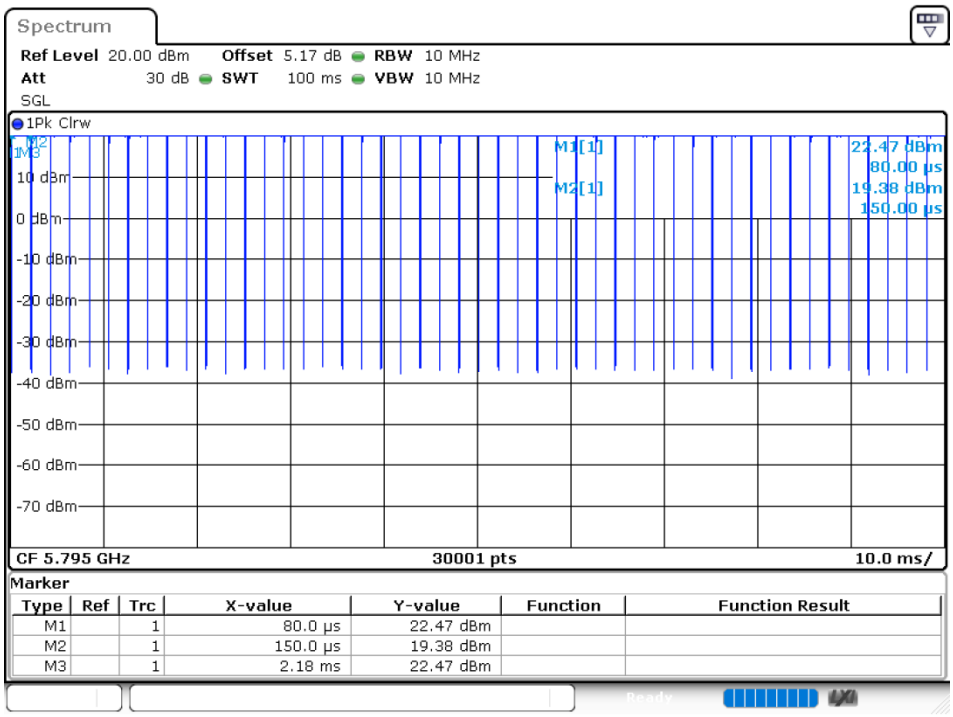
Duty Cycle NVNT ax40 5795MHz Ant1



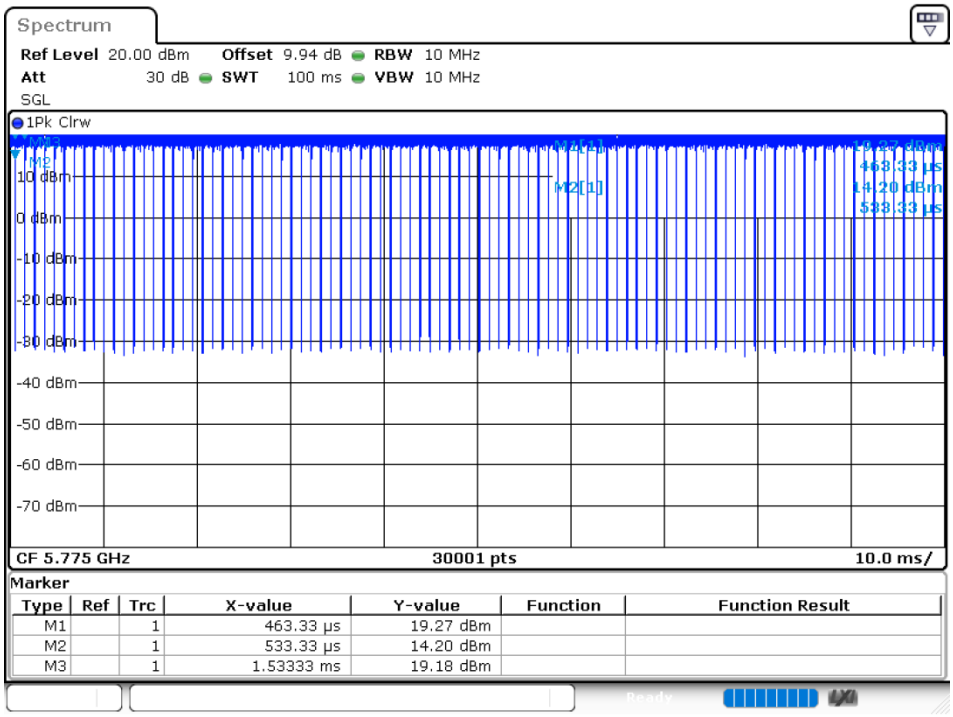
Duty Cycle NVNT ax40 5755MHz Ant2



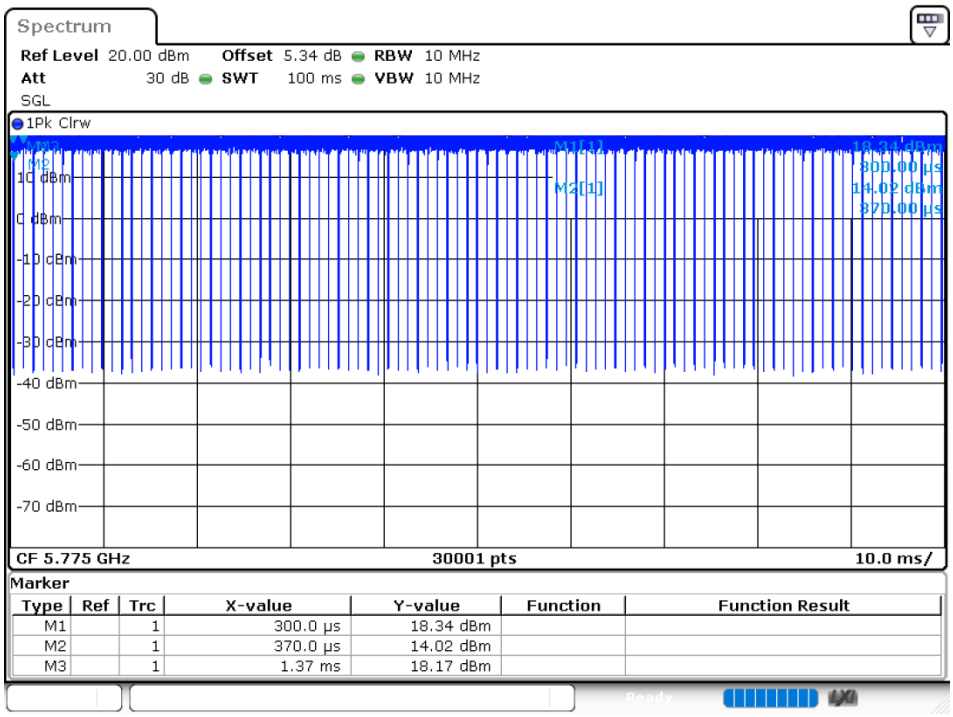
Duty Cycle NVNT ax40 5795MHz Ant2



Duty Cycle NVNT ax80 5775MHz Ant1



Duty Cycle NVNT ax80 5775MHz Ant2



Maximum Conducted Output Power

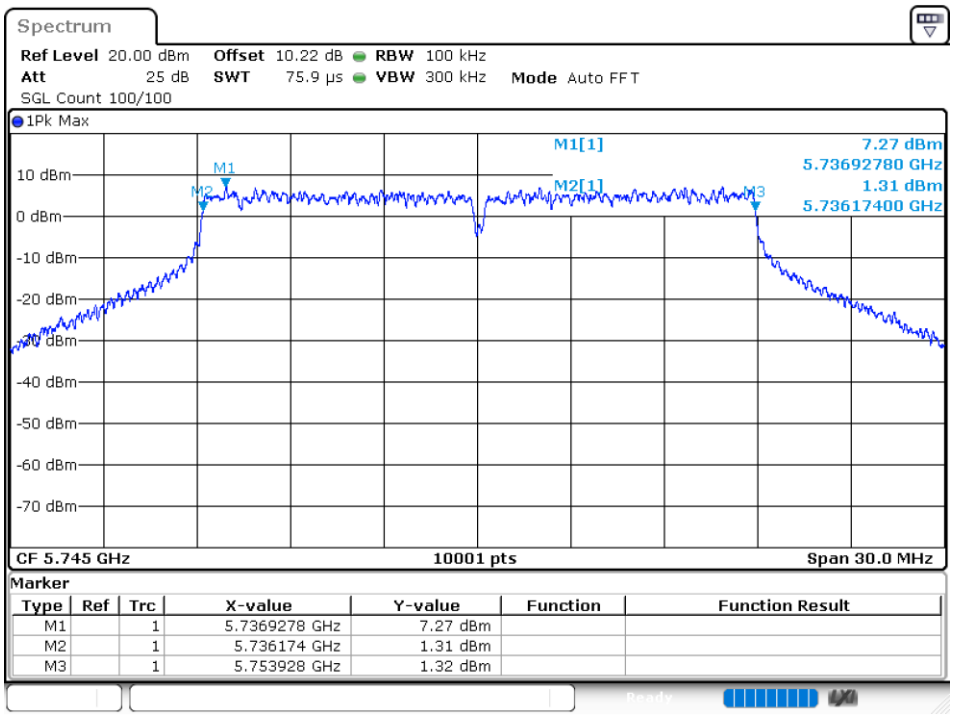
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	Ant1	18.54	0.04	18.58	21.94	28	Pass
NVNT	ac20	5745	Ant2	19.2	0.05	19.25			
NVNT	ac20	5785	Ant1	19.32	0.04	19.36	22.26	28	Pass
NVNT	ac20	5785	Ant2	19.09	0.05	19.14			
NVNT	ac20	5825	Ant1	19.27	0.04	19.31	22.41	28	Pass
NVNT	ac20	5825	Ant2	19.43	0.05	19.48			
NVNT	ac40	5755	Ant1	20.46	0.09	20.55	23.39	28	Pass
NVNT	ac40	5755	Ant2	20.1	0.1	20.2			
NVNT	ac40	5795	Ant1	20.18	0.1	20.28	23.09	28	Pass
NVNT	ac40	5795	Ant2	19.78	0.1	19.88			
NVNT	ac80	5775	Ant1	19.48	0.2	19.68	22.61	28	Pass
NVNT	ac80	5775	Ant2	19.32	0.19	19.51			
NVNT	ax20	5745	Ant1	18.7	0.06	18.76	22.10	28	Pass
NVNT	ax20	5745	Ant2	19.34	0.06	19.4			
NVNT	ax20	5785	Ant1	19.43	0.05	19.48	22.45	28	Pass
NVNT	ax20	5785	Ant2	19.35	0.05	19.4			
NVNT	ax20	5825	Ant1	19.43	0.05	19.48	22.59	28	Pass
NVNT	ax20	5825	Ant2	19.62	0.06	19.68			
NVNT	ax40	5755	Ant1	20.36	0.11	20.47	23.36	28	Pass
NVNT	ax40	5755	Ant2	20.12	0.11	20.23			
NVNT	ax40	5795	Ant1	20.22	0.1	20.32	23.12	28	Pass
NVNT	ax40	5795	Ant2	19.79	0.1	19.89			
NVNT	ax80	5775	Ant1	19.4	0.22	19.62	22.55	28	Pass
NVNT	ax80	5775	Ant2	19.24	0.22	19.46			

-6dB Bandwidth

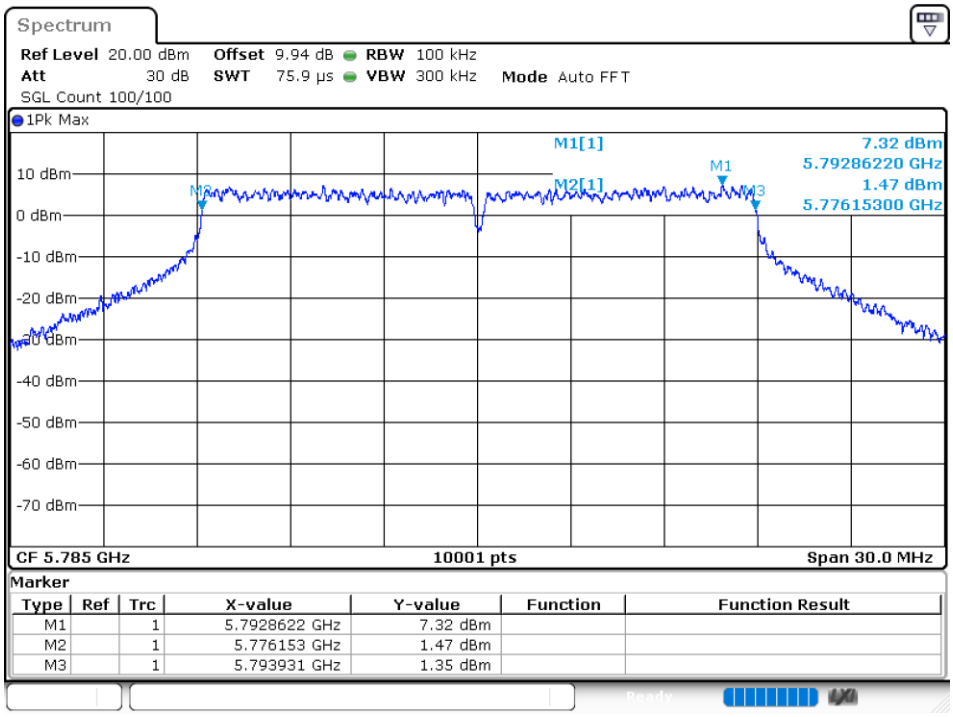
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5745	Ant1	17.754	0.5	Pass
NVNT	ac20	5785	Ant1	17.778	0.5	Pass
NVNT	ac20	5825	Ant1	17.787	0.5	Pass
NVNT	ac20	5745	Ant2	17.799	0.5	Pass
NVNT	ac20	5785	Ant2	17.781	0.5	Pass
NVNT	ac20	5825	Ant2	17.739	0.5	Pass
NVNT	ac40	5755	Ant1	36.396	0.5	Pass
NVNT	ac40	5795	Ant1	36.444	0.5	Pass
NVNT	ac40	5755	Ant2	36.522	0.5	Pass
NVNT	ac40	5795	Ant2	36.42	0.5	Pass
NVNT	ac80	5775	Ant1	76.392	0.5	Pass
NVNT	ac80	5775	Ant2	76.344	0.5	Pass
NVNT	ax20	5745	Ant1	19.095	0.5	Pass
NVNT	ax20	5785	Ant1	19.125	0.5	Pass
NVNT	ax20	5825	Ant1	19.107	0.5	Pass
NVNT	ax20	5745	Ant2	19.116	0.5	Pass
NVNT	ax20	5785	Ant2	18.666	0.5	Pass
NVNT	ax20	5825	Ant2	19.128	0.5	Pass
NVNT	ax40	5755	Ant1	38.094	0.5	Pass
NVNT	ax40	5795	Ant1	38.07	0.5	Pass
NVNT	ax40	5755	Ant2	38.13	0.5	Pass
NVNT	ax40	5795	Ant2	37.38	0.5	Pass
NVNT	ax80	5775	Ant1	77.94	0.5	Pass
NVNT	ax80	5775	Ant2	77.736	0.5	Pass

Test Graphs

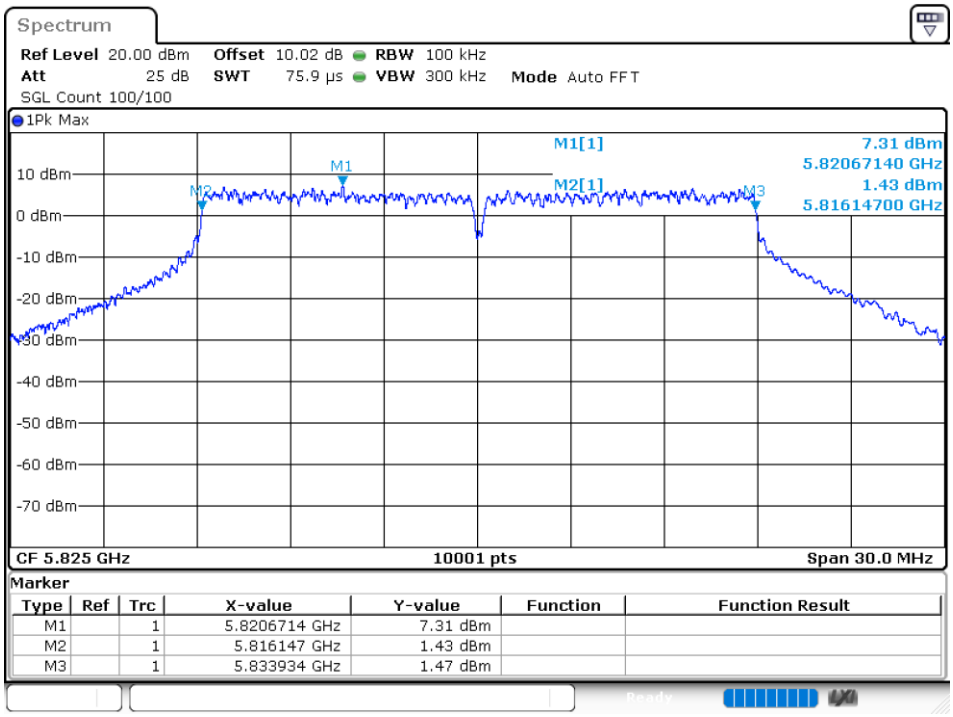
-6dB Bandwidth NVNT ac20 5745MHz Ant1



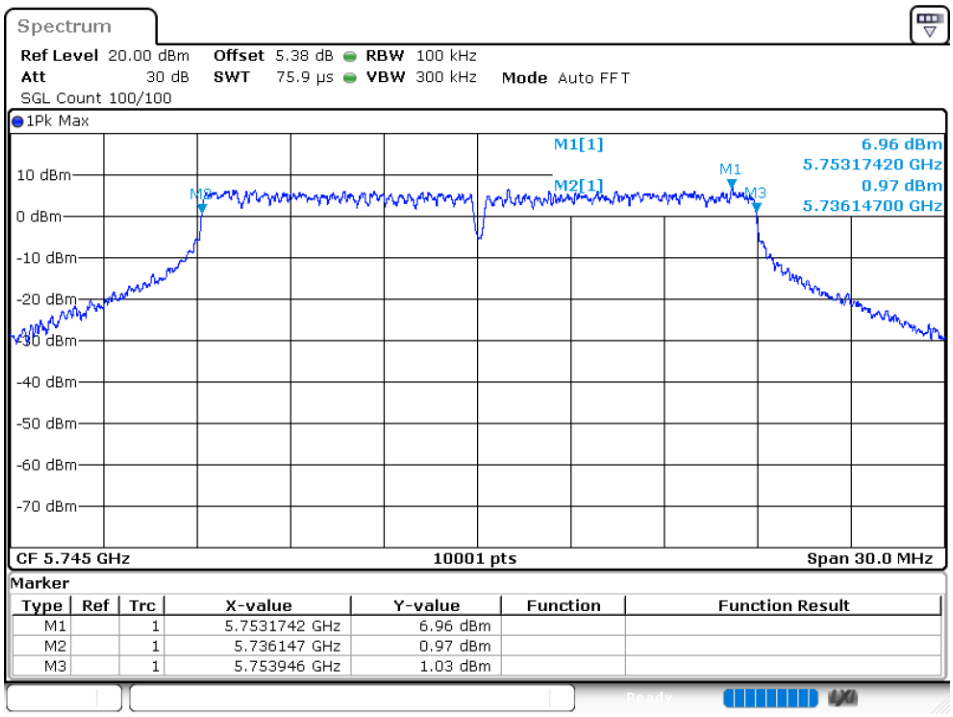
-6dB Bandwidth NVNT ac20 5785MHz Ant1



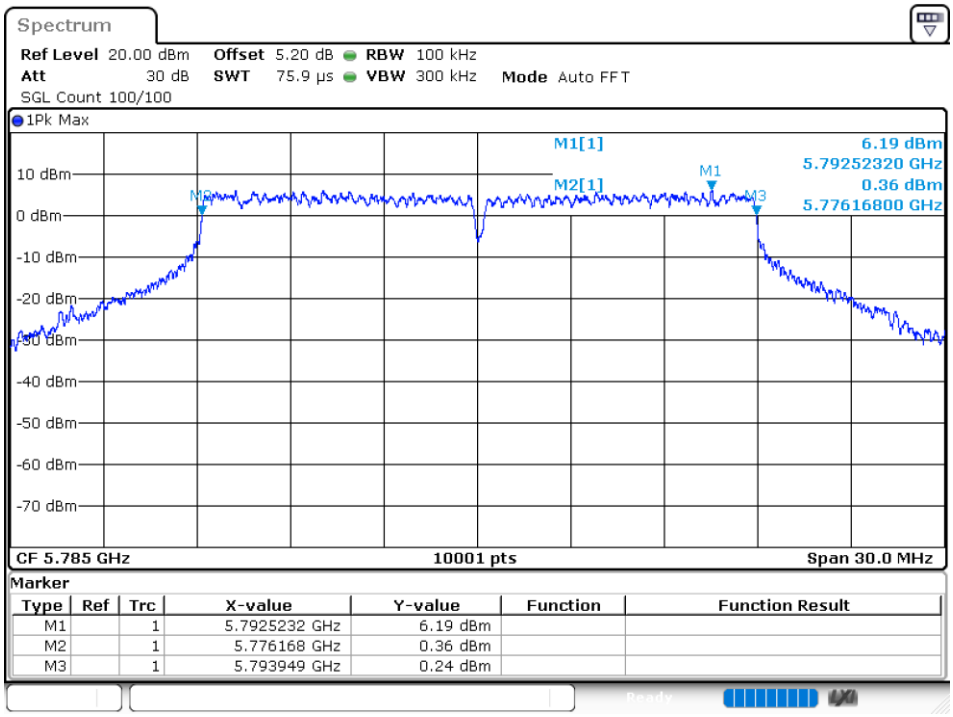
-6dB Bandwidth NVNT ac20 5825MHz Ant1



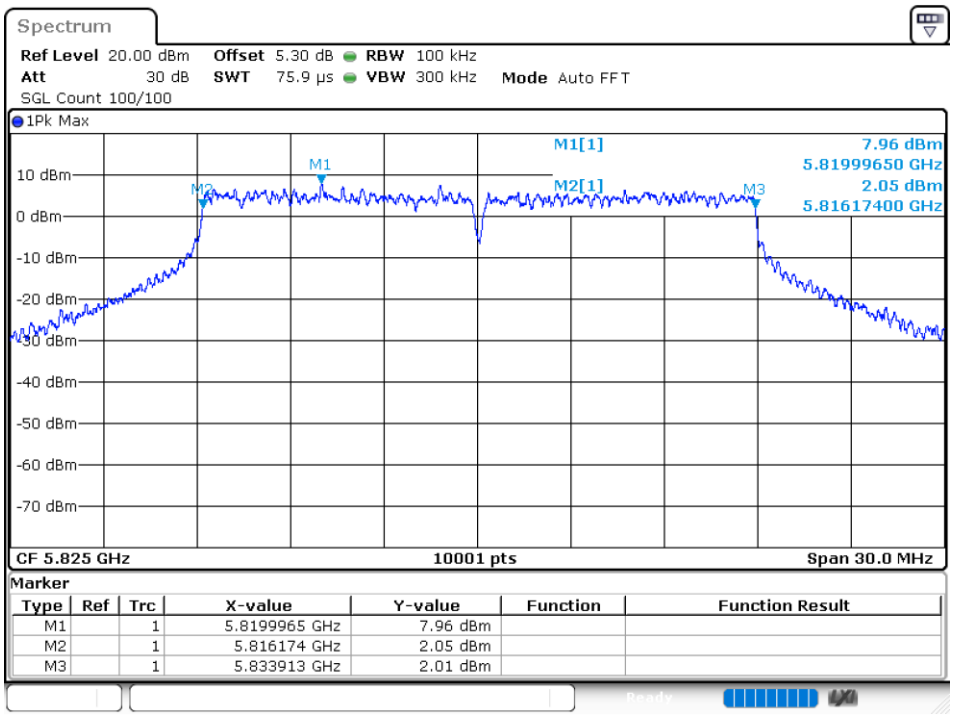
-6dB Bandwidth NVNT ac20 5745MHz Ant2



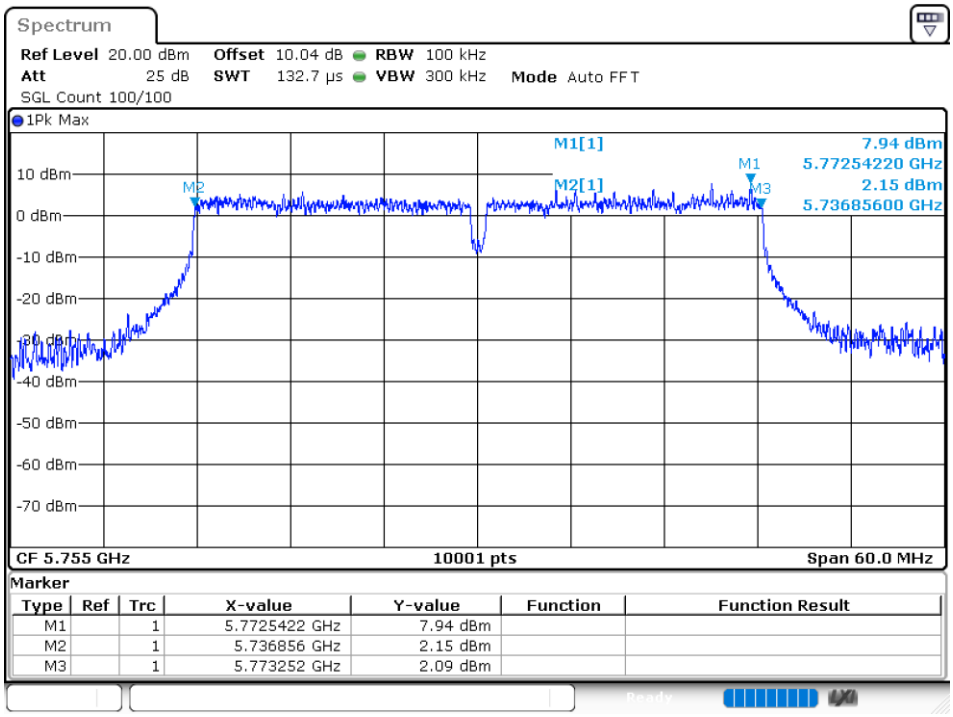
-6dB Bandwidth NVNT ac20 5785MHz Ant2



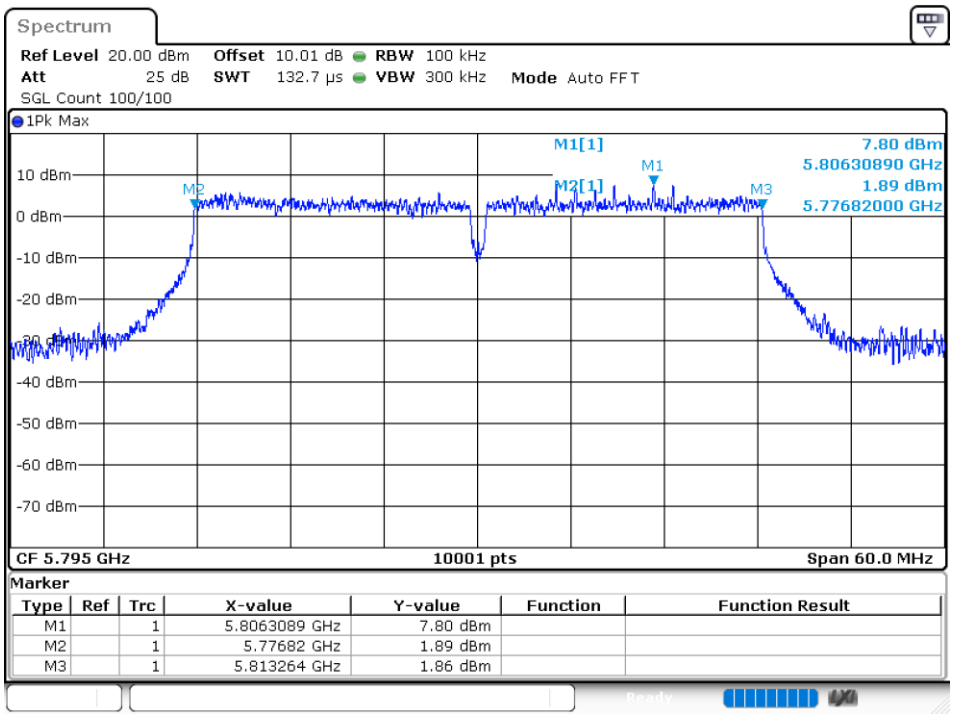
-6dB Bandwidth NVNT ac20 5825MHz Ant2



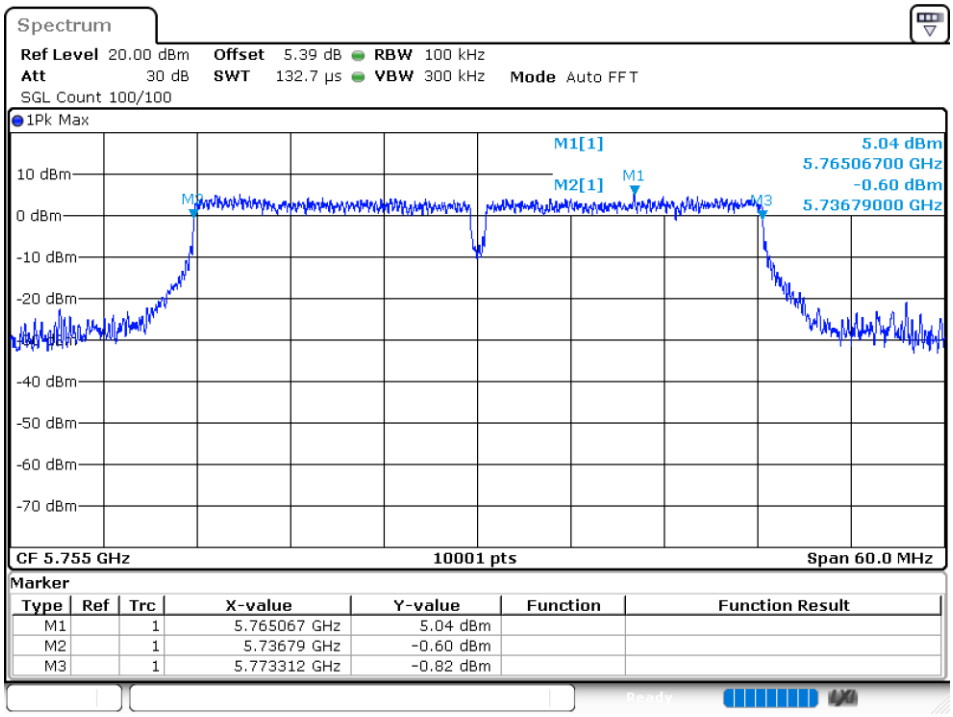
-6dB Bandwidth NVNT ac40 5755MHz Ant1



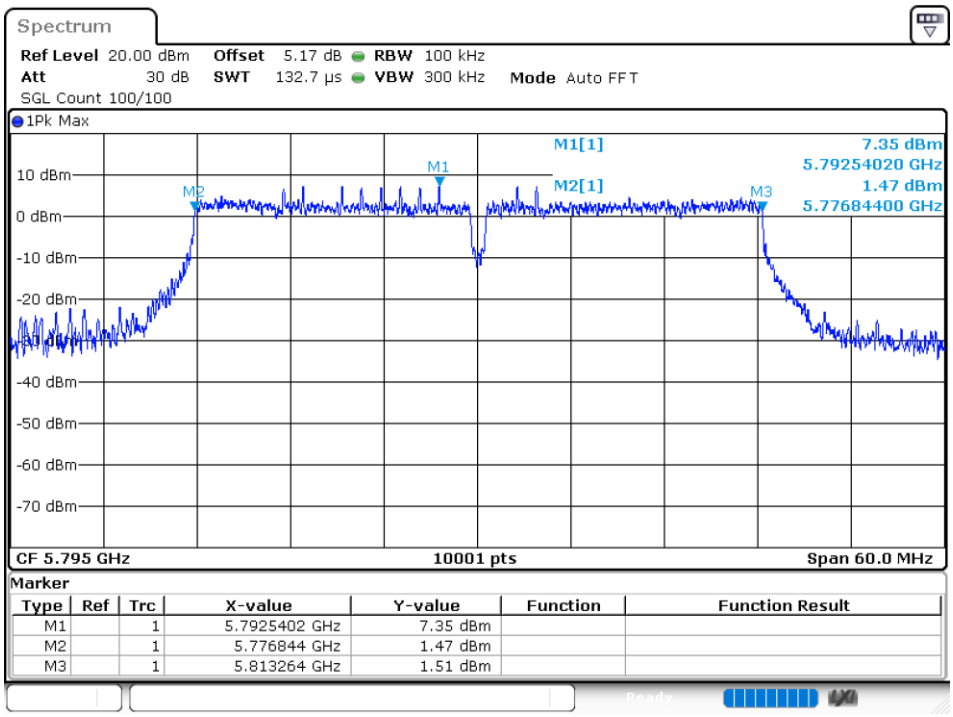
-6dB Bandwidth NVNT ac40 5795MHz Ant1



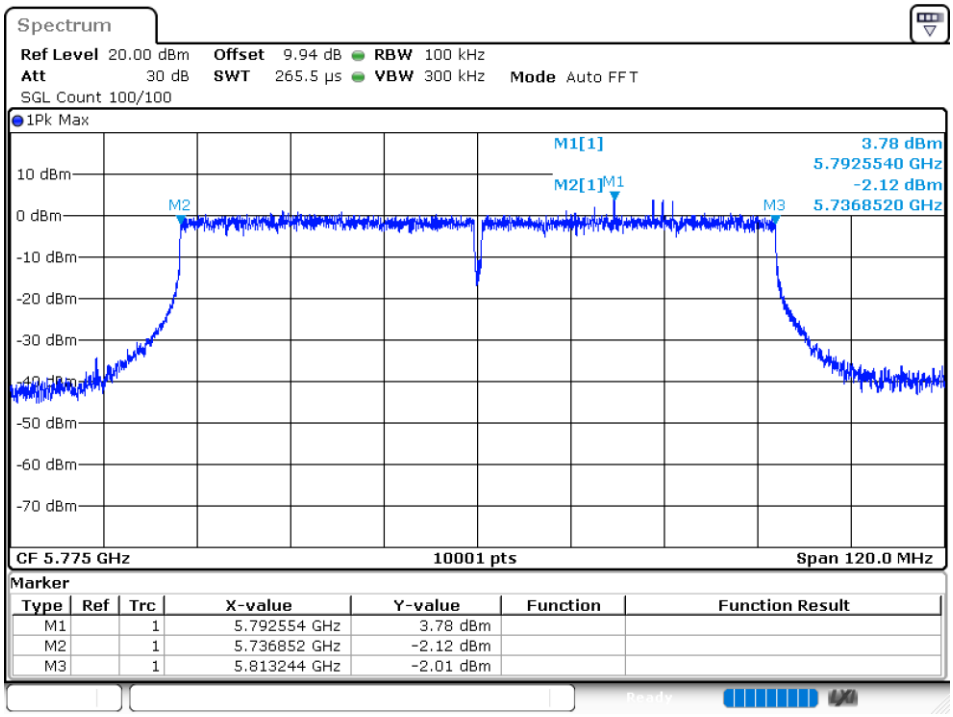
-6dB Bandwidth NVNT ac40 5755MHz Ant2



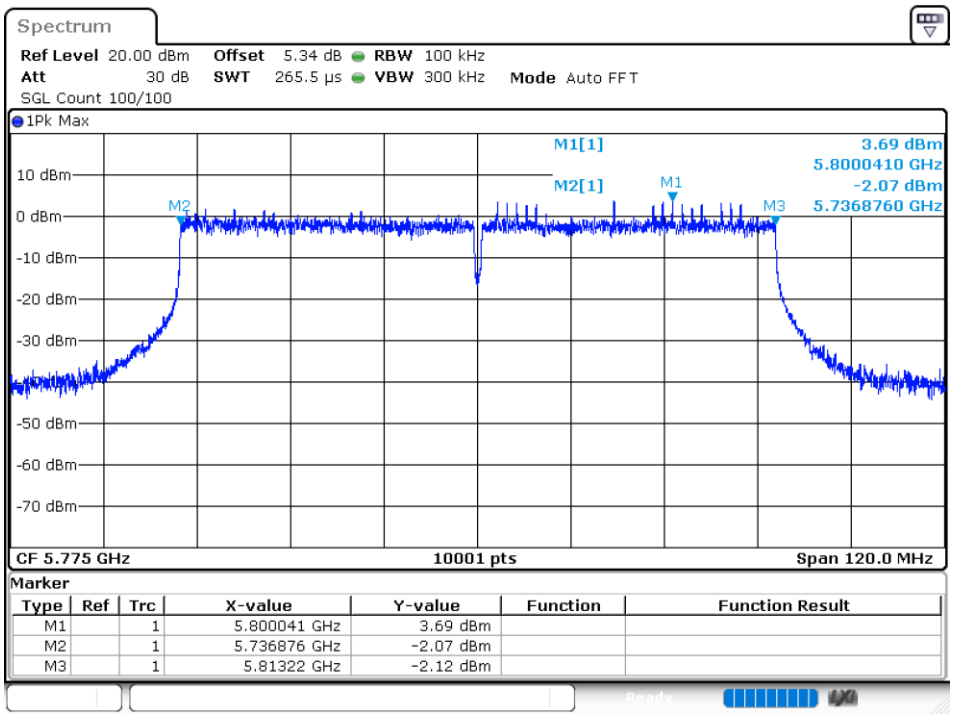
-6dB Bandwidth NVNT ac40 5795MHz Ant2



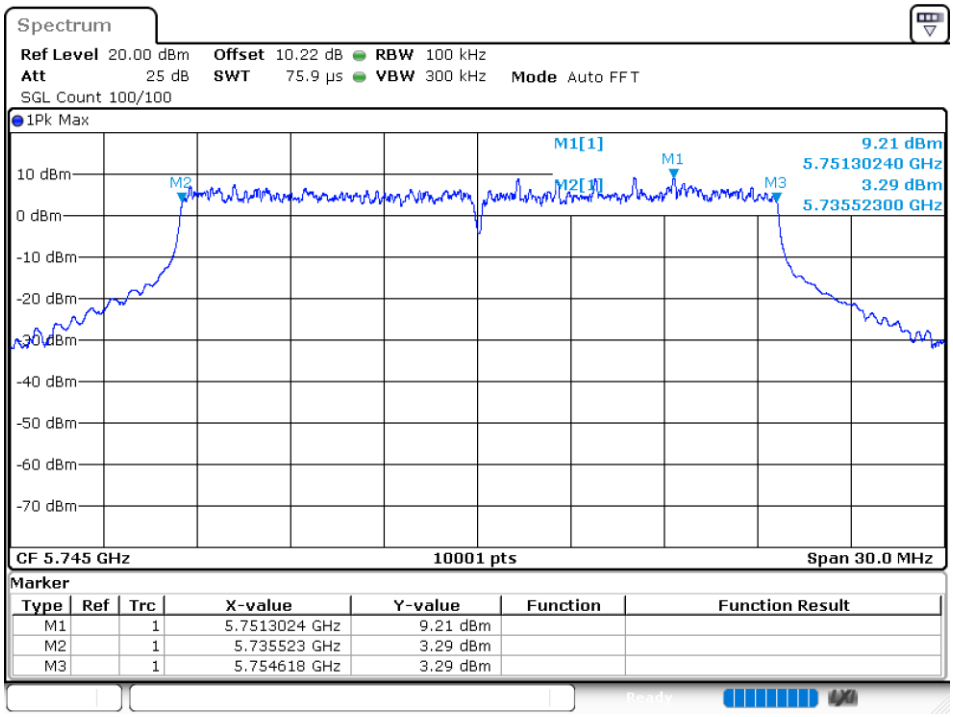
-6dB Bandwidth NVNT ac80 5775MHz Ant1



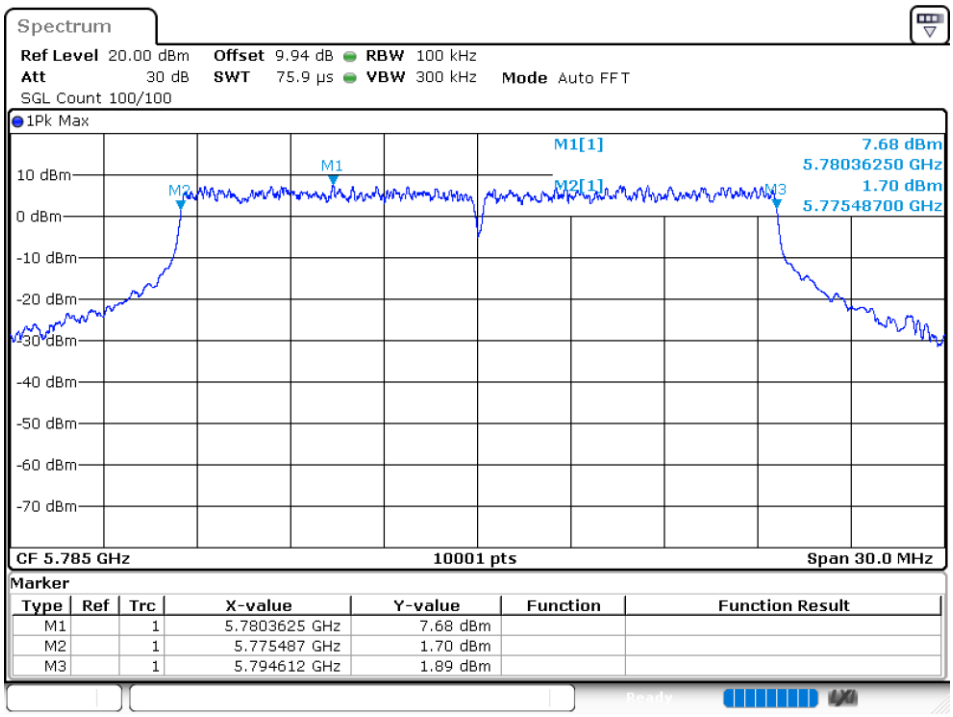
-6dB Bandwidth NVNT ac80 5775MHz Ant2



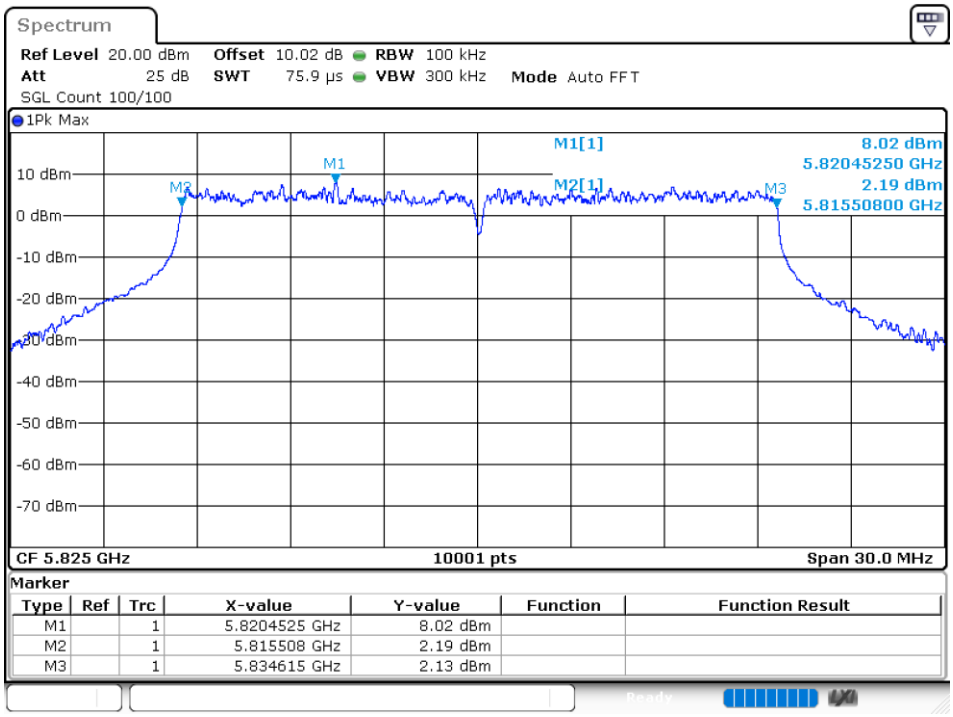
-6dB Bandwidth NVNT ax20 5745MHz Ant1



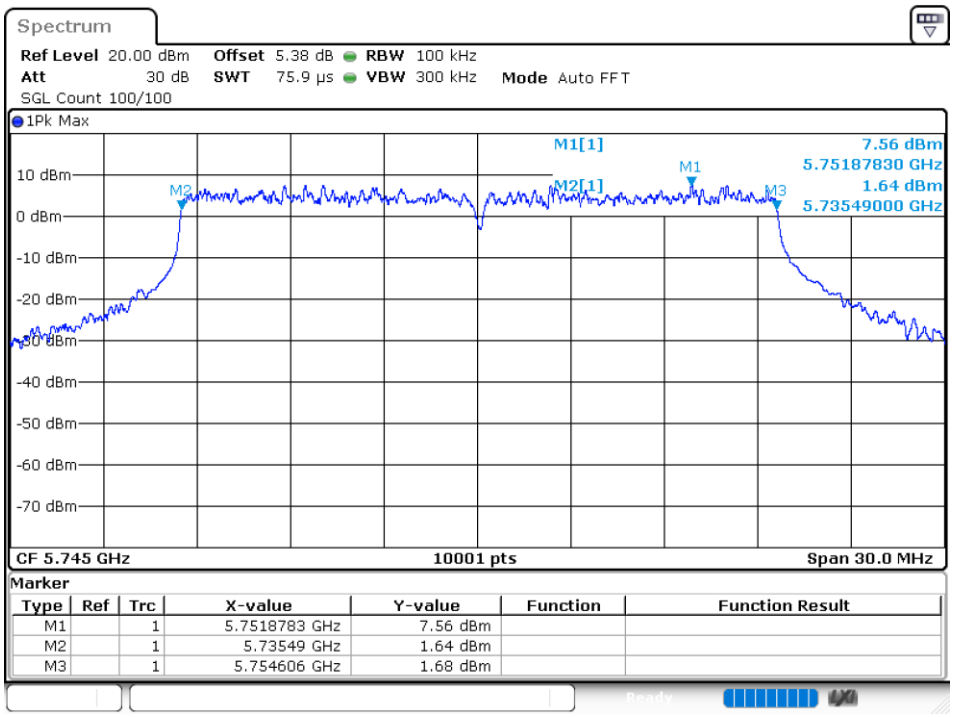
-6dB Bandwidth NVNT ax20 5785MHz Ant1



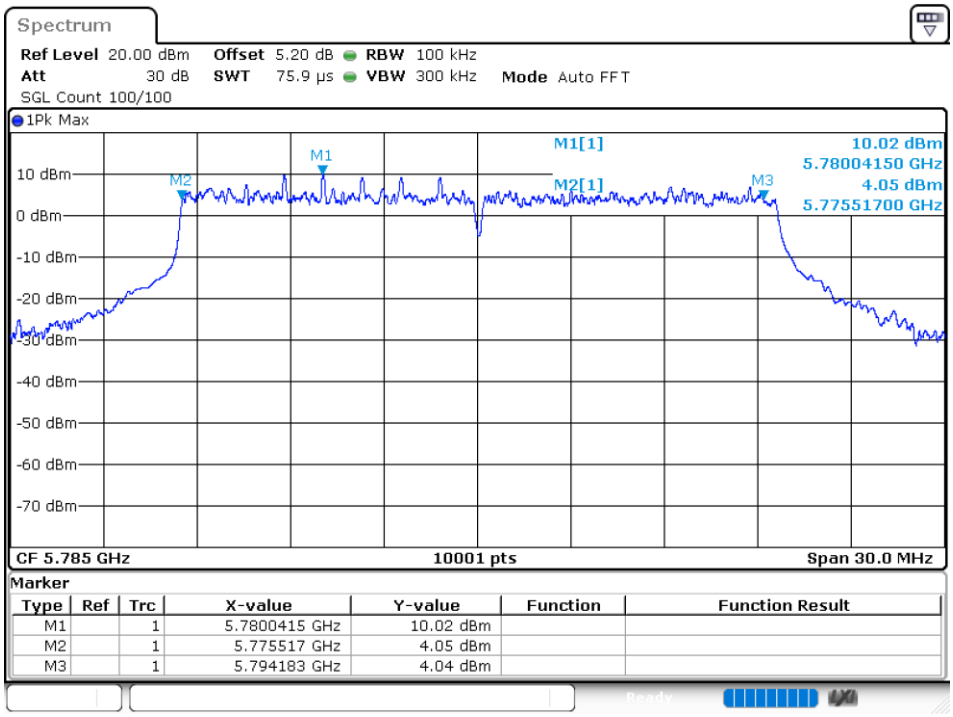
-6dB Bandwidth NVNT ax20 5825MHz Ant1



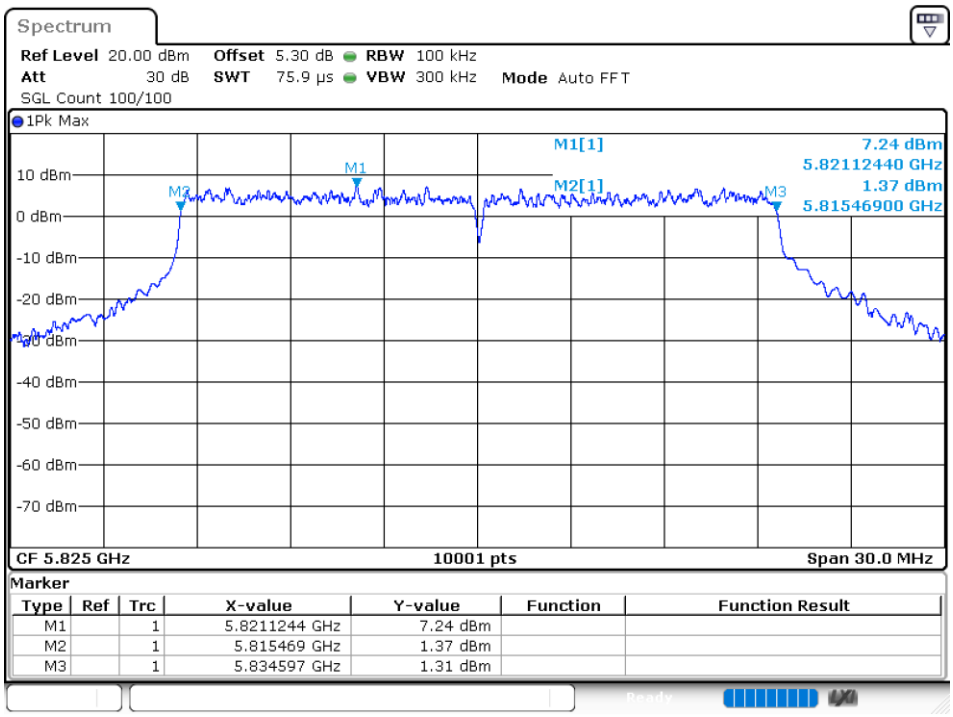
-6dB Bandwidth NVNT ax20 5745MHz Ant2



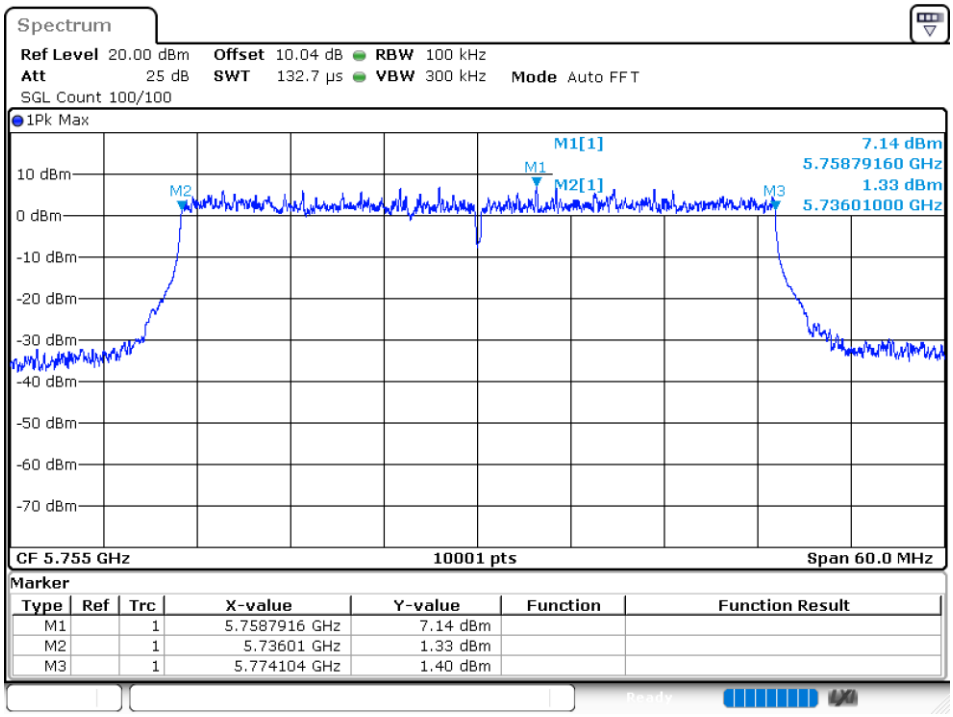
-6dB Bandwidth NVNT ax20 5785MHz Ant2



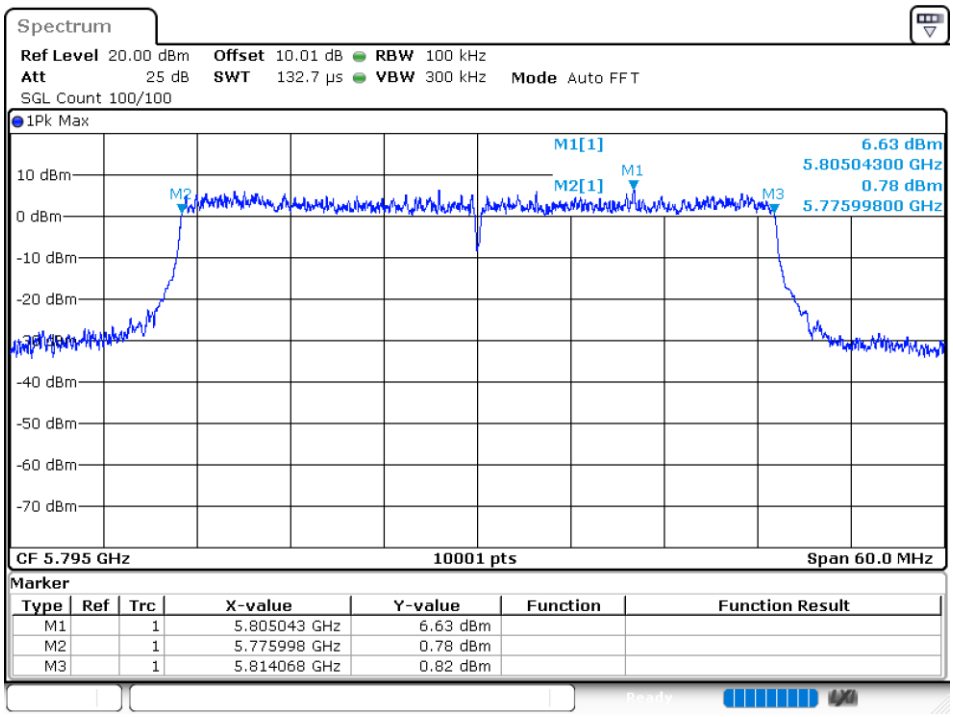
-6dB Bandwidth NVNT ax20 5825MHz Ant2



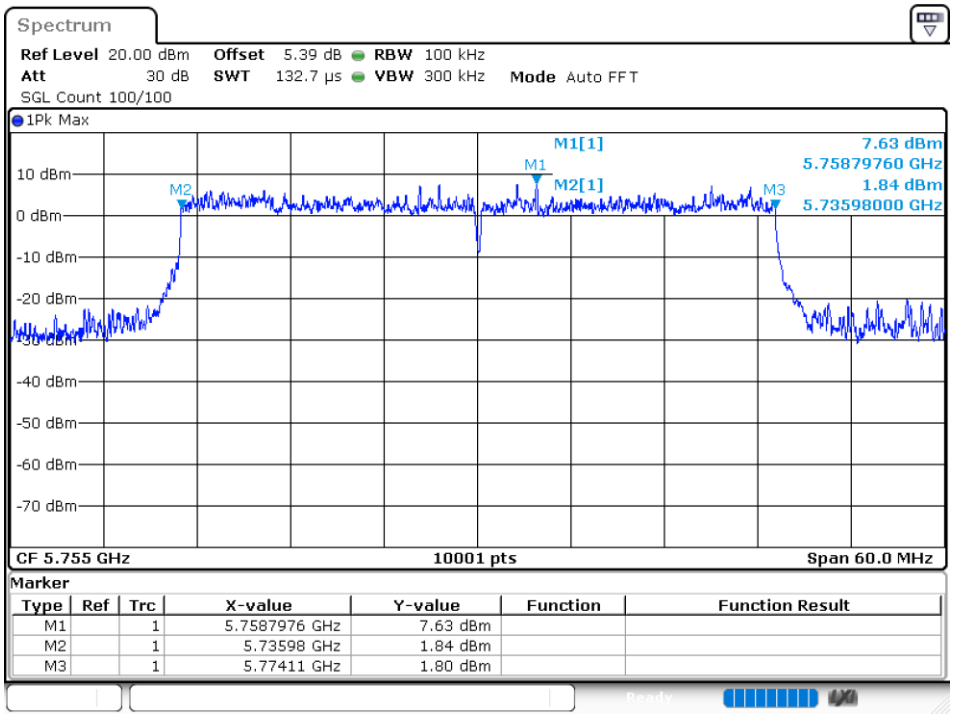
-6dB Bandwidth NVNT ax40 5755MHz Ant1



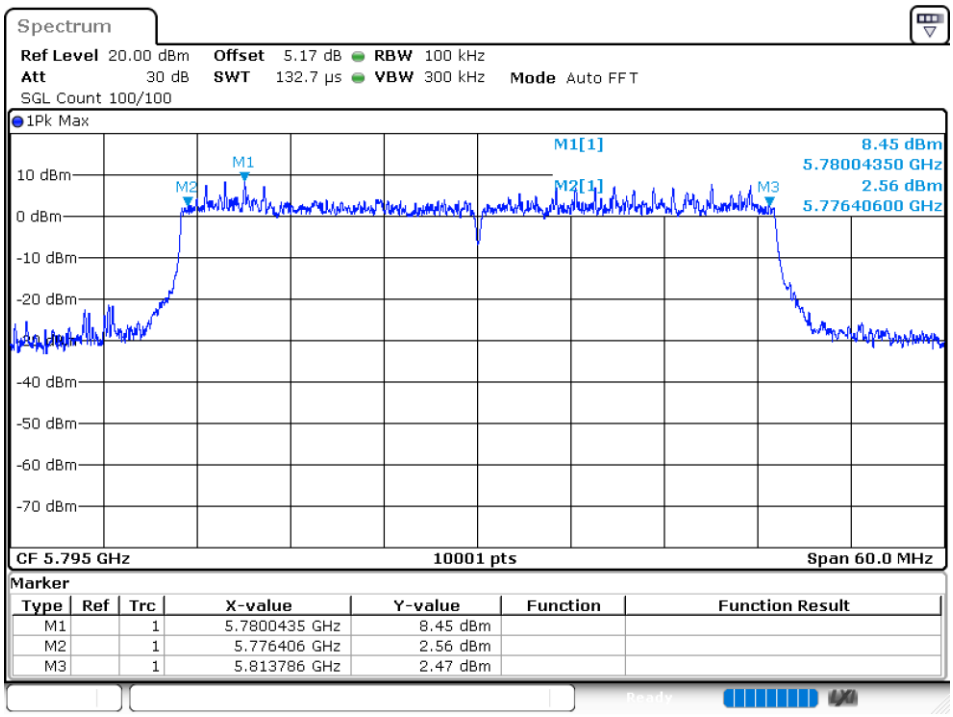
-6dB Bandwidth NVNT ax40 5795MHz Ant1



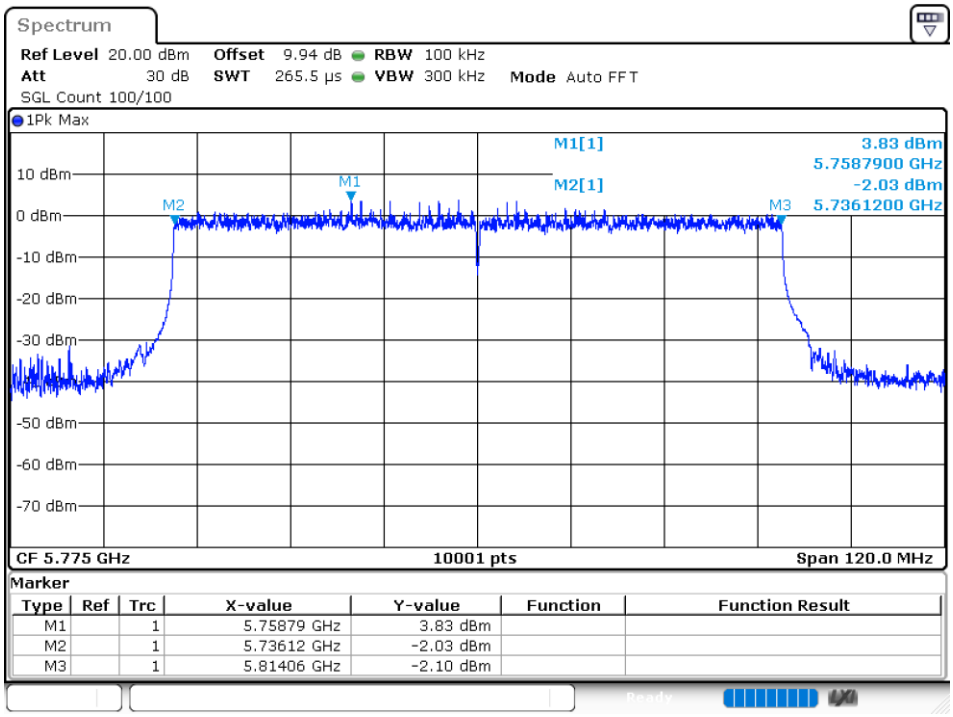
-6dB Bandwidth NVNT ax40 5755MHz Ant2



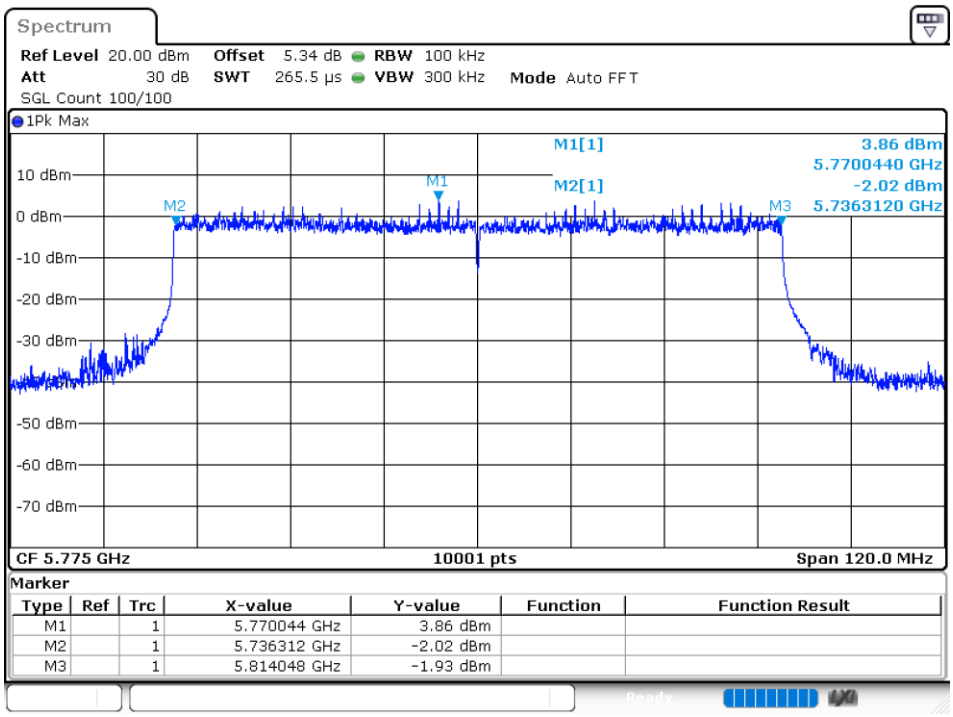
-6dB Bandwidth NVNT ax40 5795MHz Ant2



-6dB Bandwidth NVNT ax80 5775MHz Ant1



-6dB Bandwidth NVNT ax80 5775MHz Ant2

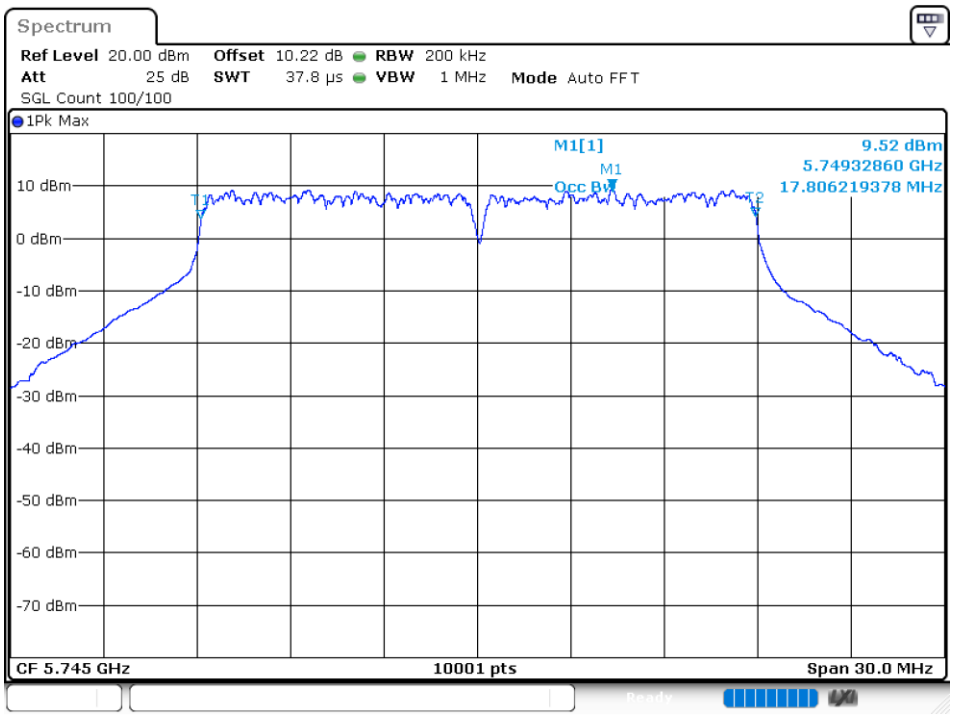


Occupied Channel Bandwidth

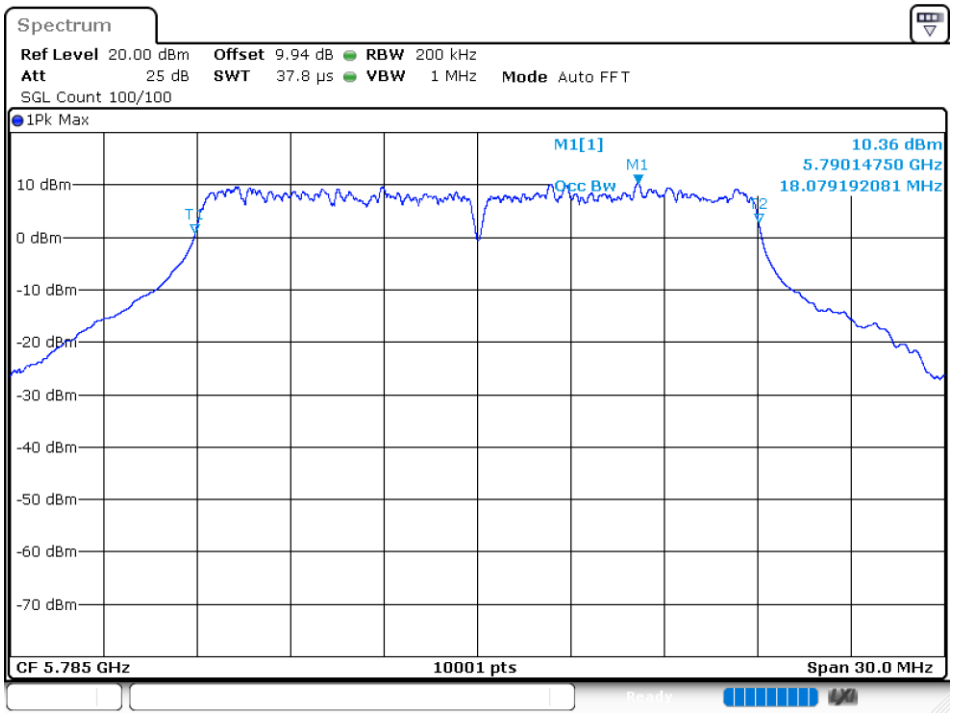
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5745	Ant1	17.806
NVNT	ac20	5785	Ant1	18.079
NVNT	ac20	5825	Ant1	17.836
NVNT	ac20	5745	Ant2	17.869
NVNT	ac20	5785	Ant2	17.833
NVNT	ac20	5825	Ant2	17.911
NVNT	ac40	5755	Ant1	36.644
NVNT	ac40	5795	Ant1	36.734
NVNT	ac40	5755	Ant2	36.686
NVNT	ac40	5795	Ant2	36.722
NVNT	ac80	5775	Ant1	76.12
NVNT	ac80	5775	Ant2	76.168
NVNT	ax20	5745	Ant1	19.072
NVNT	ax20	5785	Ant1	19.135
NVNT	ax20	5825	Ant1	19.048
NVNT	ax20	5745	Ant2	19.054
NVNT	ax20	5785	Ant2	18.997
NVNT	ax20	5825	Ant2	19.042
NVNT	ax40	5755	Ant1	37.892
NVNT	ax40	5795	Ant1	37.904
NVNT	ax40	5755	Ant2	37.958
NVNT	ax40	5795	Ant2	37.91
NVNT	ax80	5775	Ant1	77.572
NVNT	ax80	5775	Ant2	77.656

Test Graphs

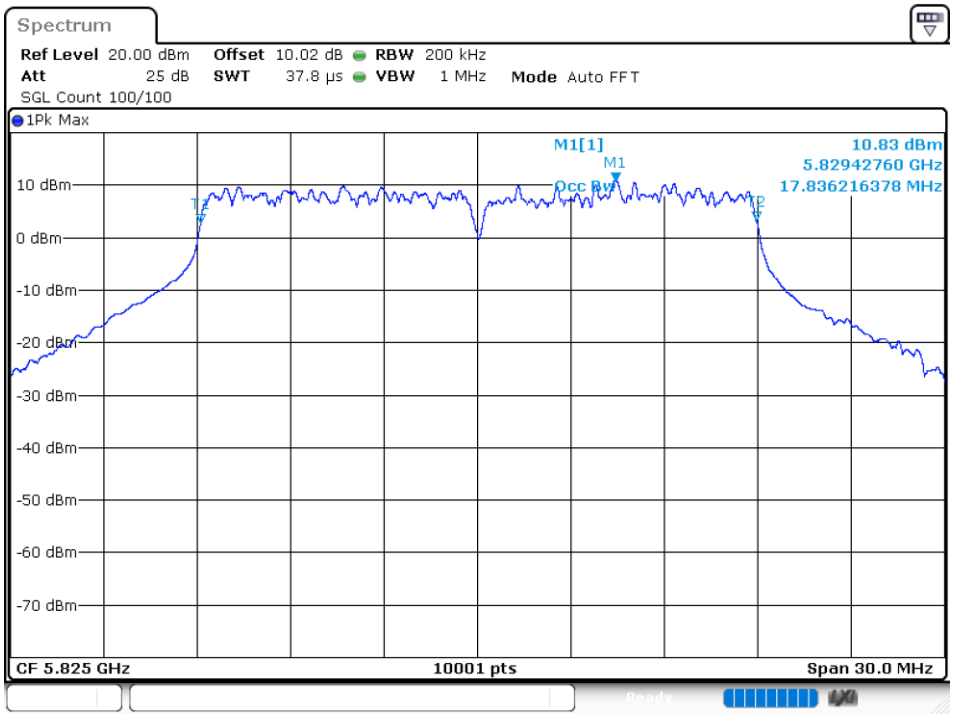
OBW NVNT ac20 5745MHz Ant1



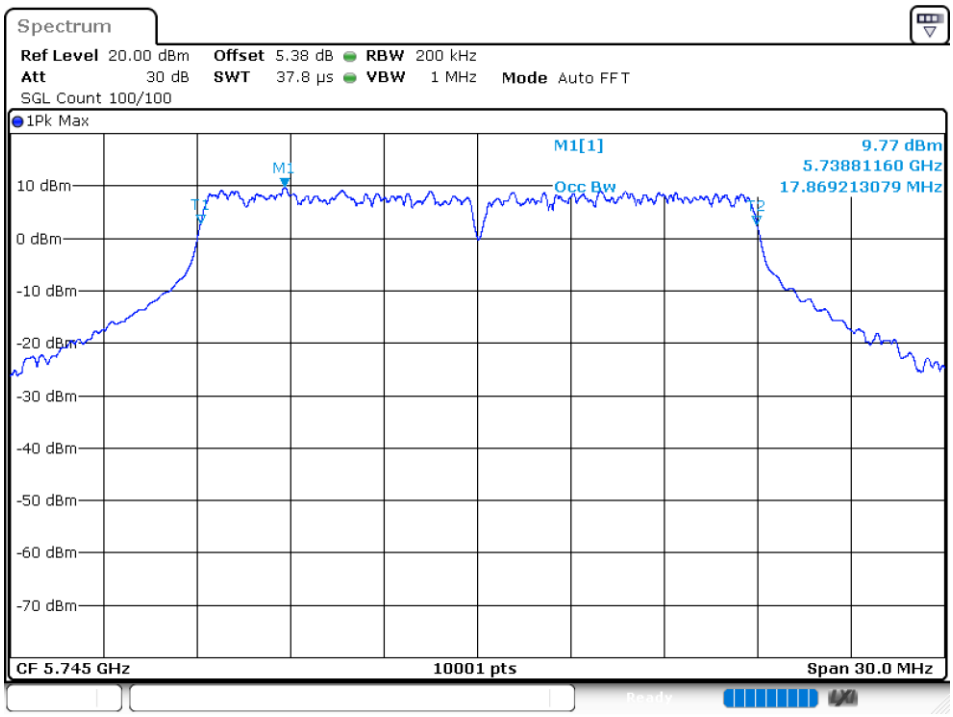
OBW NVNT ac20 5785MHz Ant1



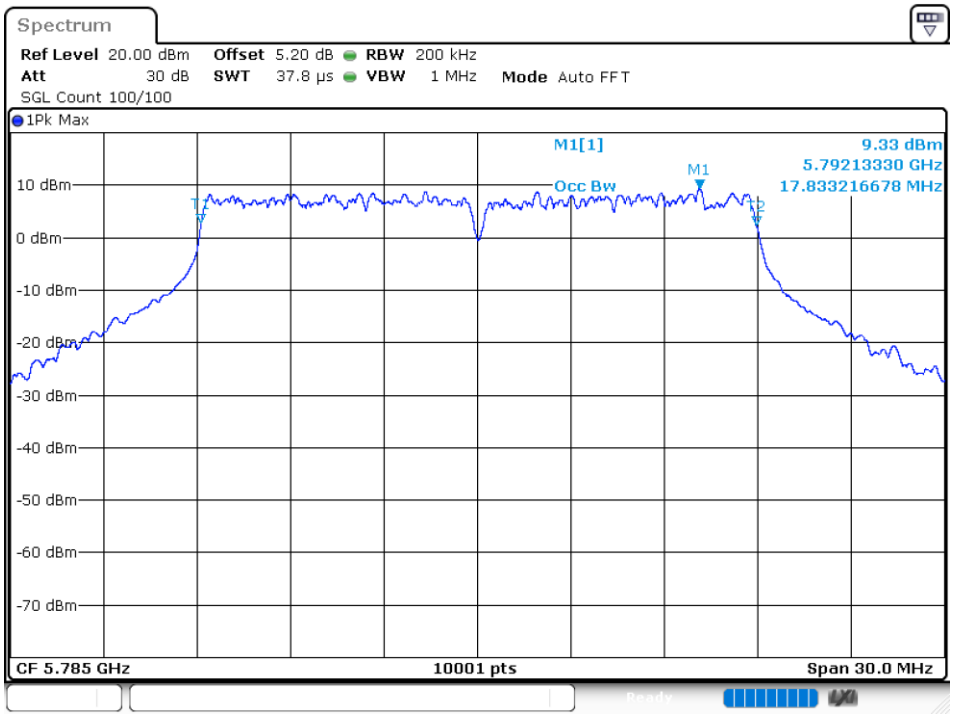
OBW NVNT ac20 5825MHz Ant1



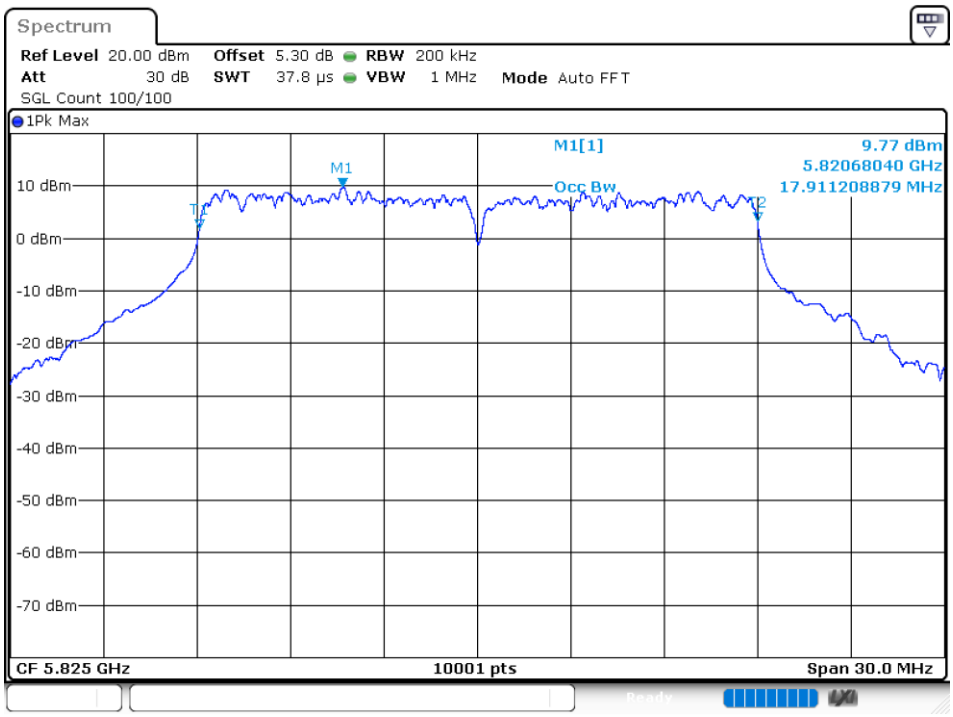
OBW NVNT ac20 5745MHz Ant2



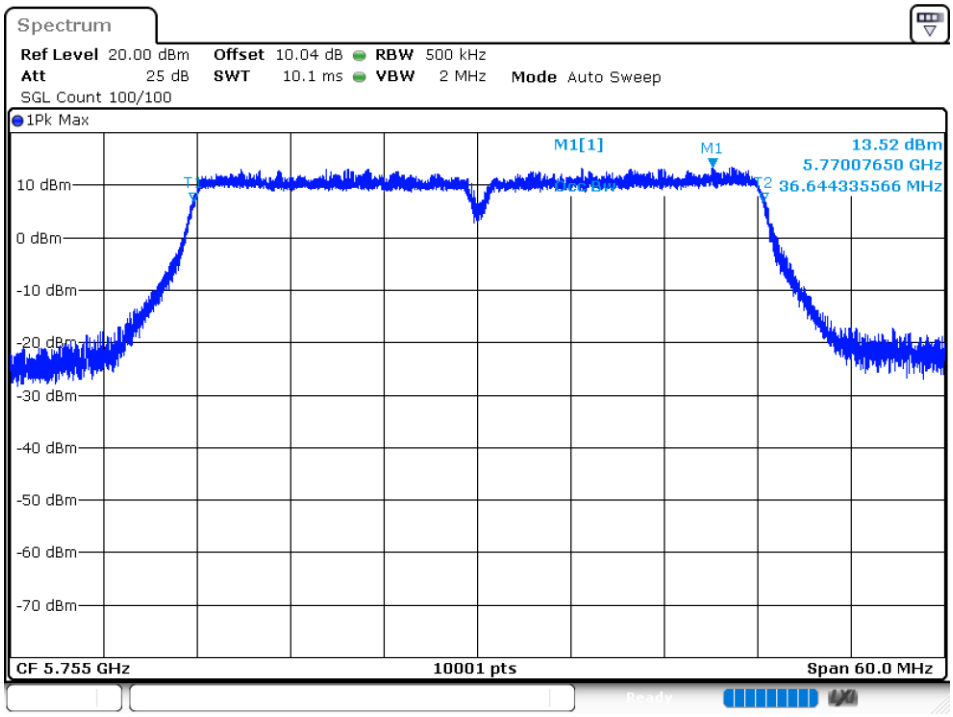
OBW NVNT ac20 5785MHz Ant2



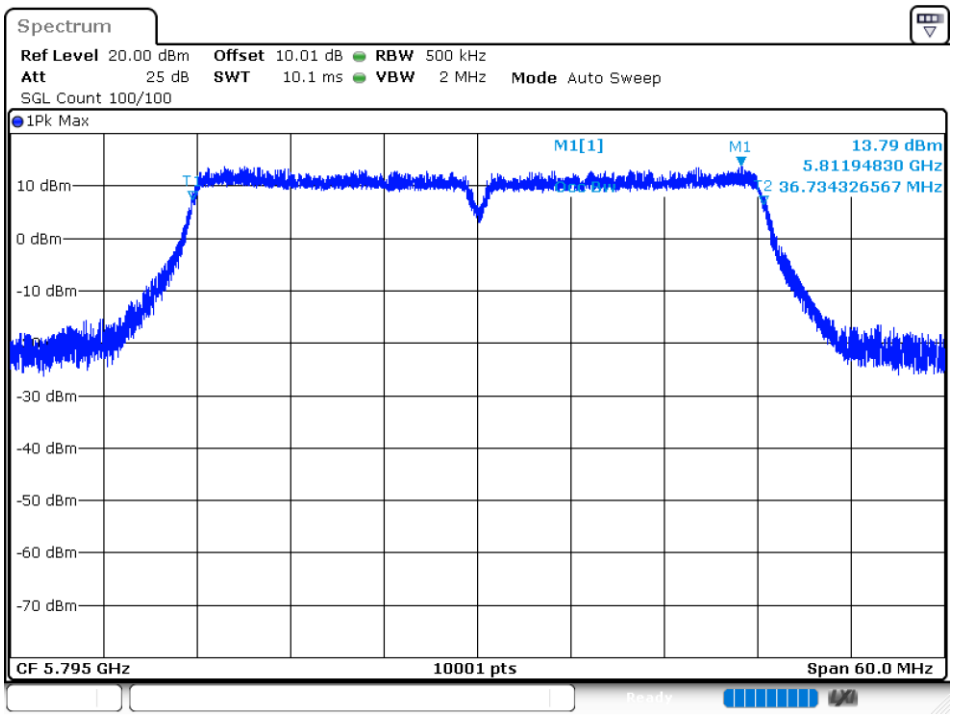
OBW NVNT ac20 5825MHz Ant2



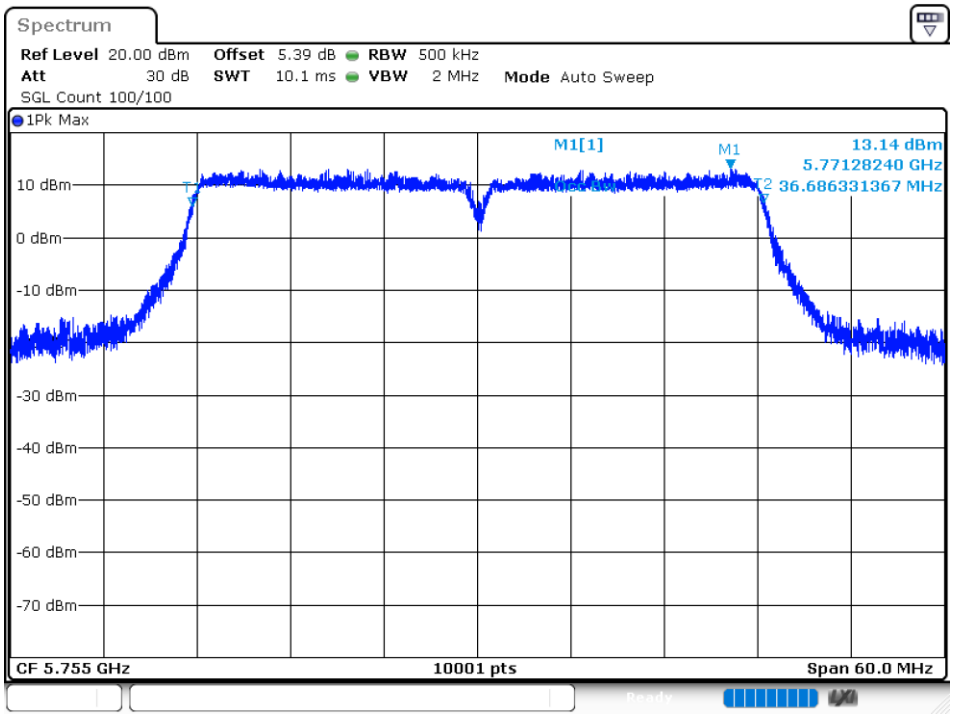
OBW NVNT ac40 5755MHz Ant1



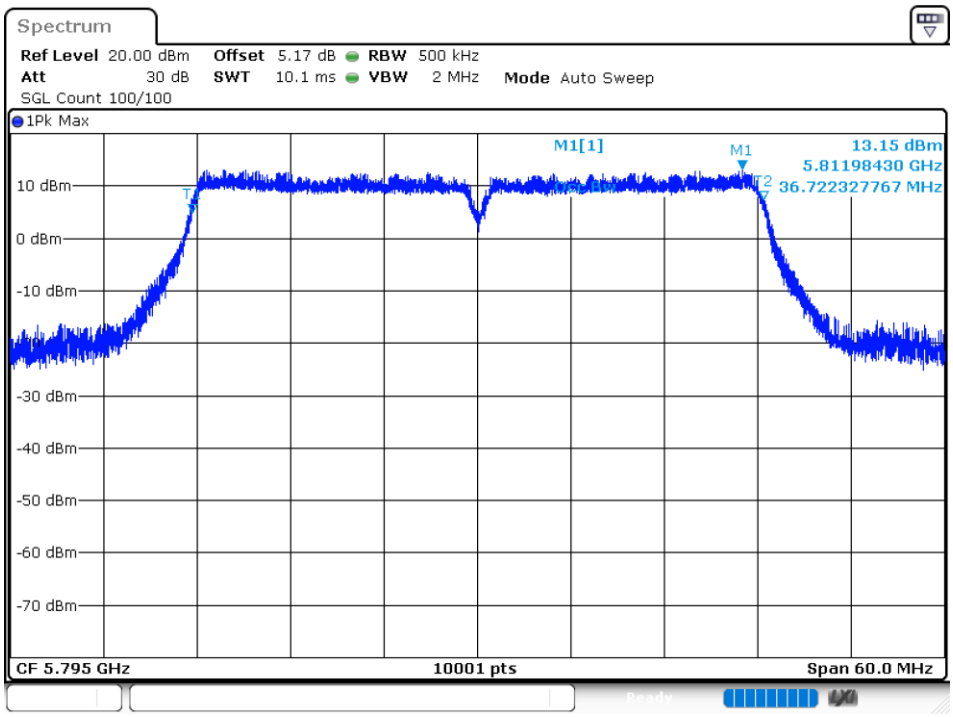
OBW NVNT ac40 5795MHz Ant1



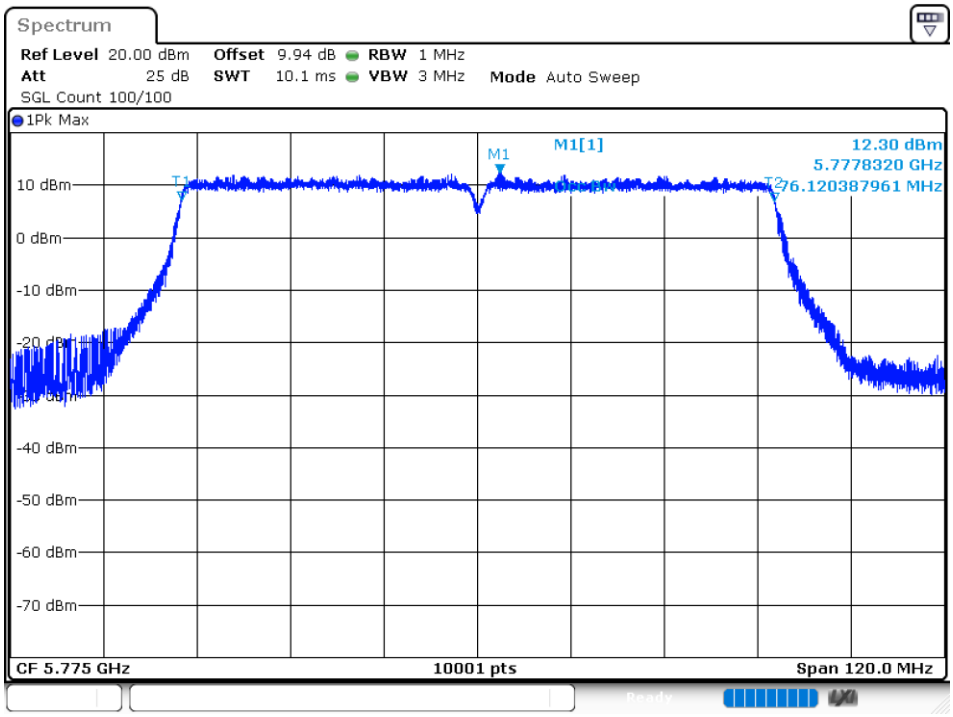
OBW NVNT ac40 5755MHz Ant2



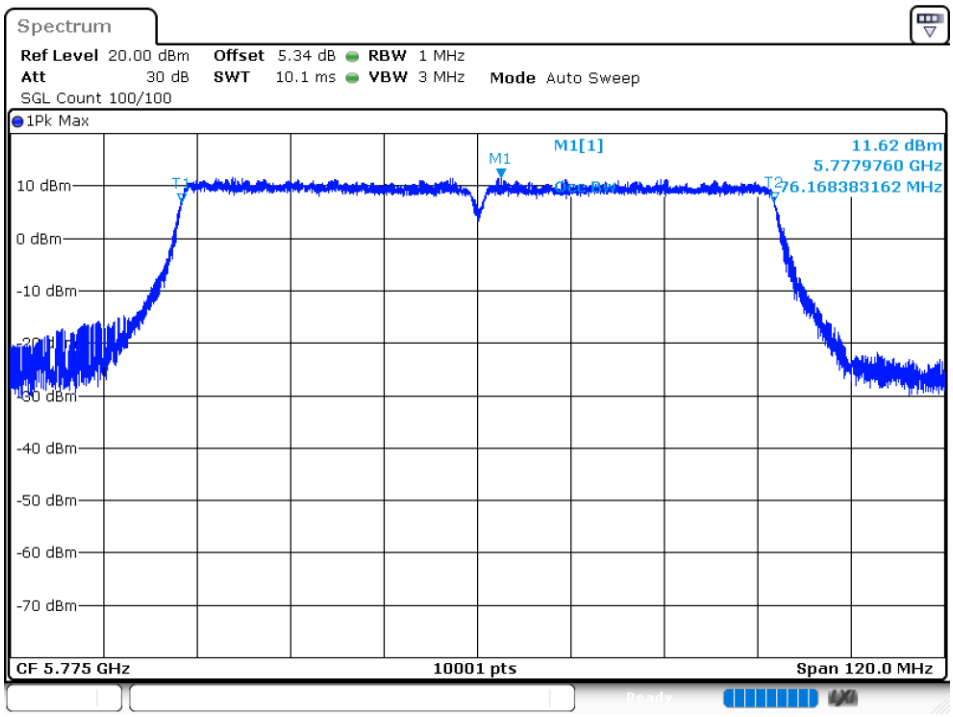
OBW NVNT ac40 5795MHz Ant2



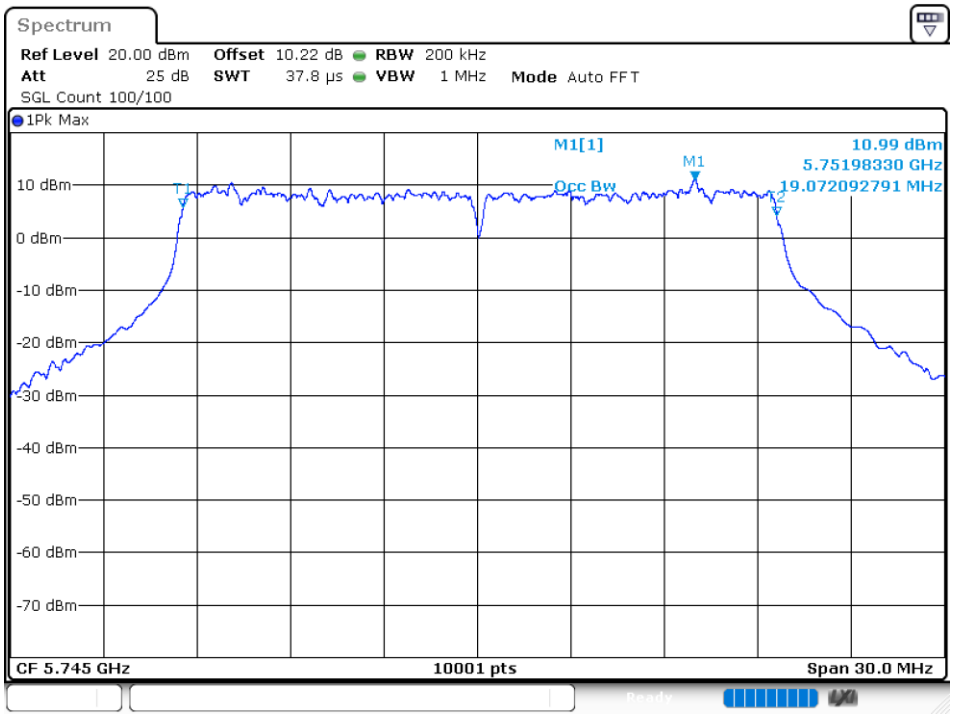
OBW NVNT ac80 5775MHz Ant1



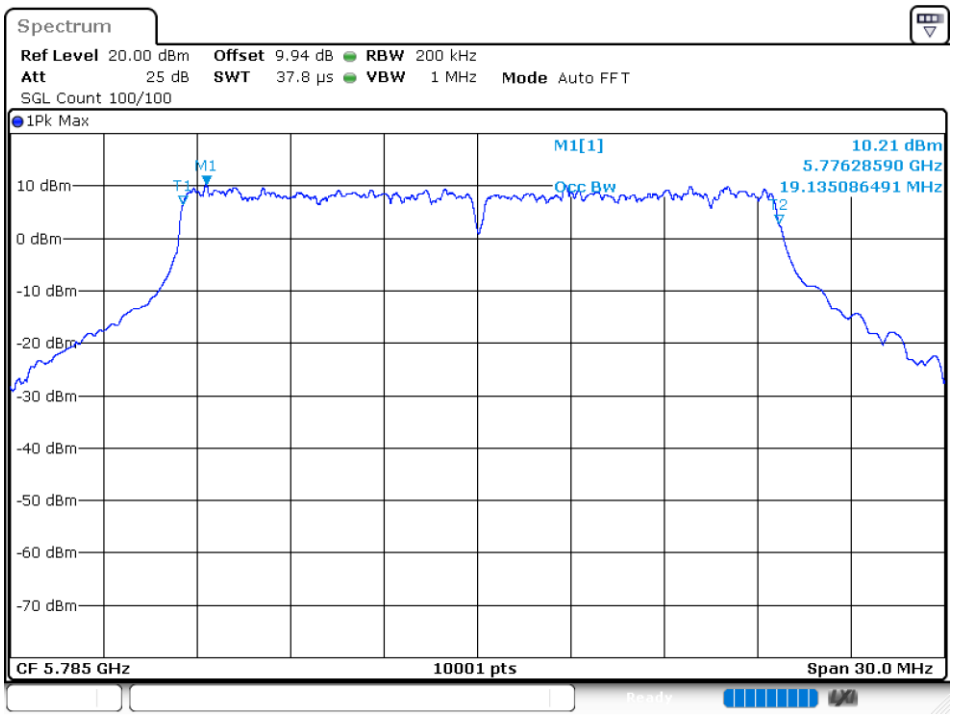
OBW NVNT ac80 5775MHz Ant2



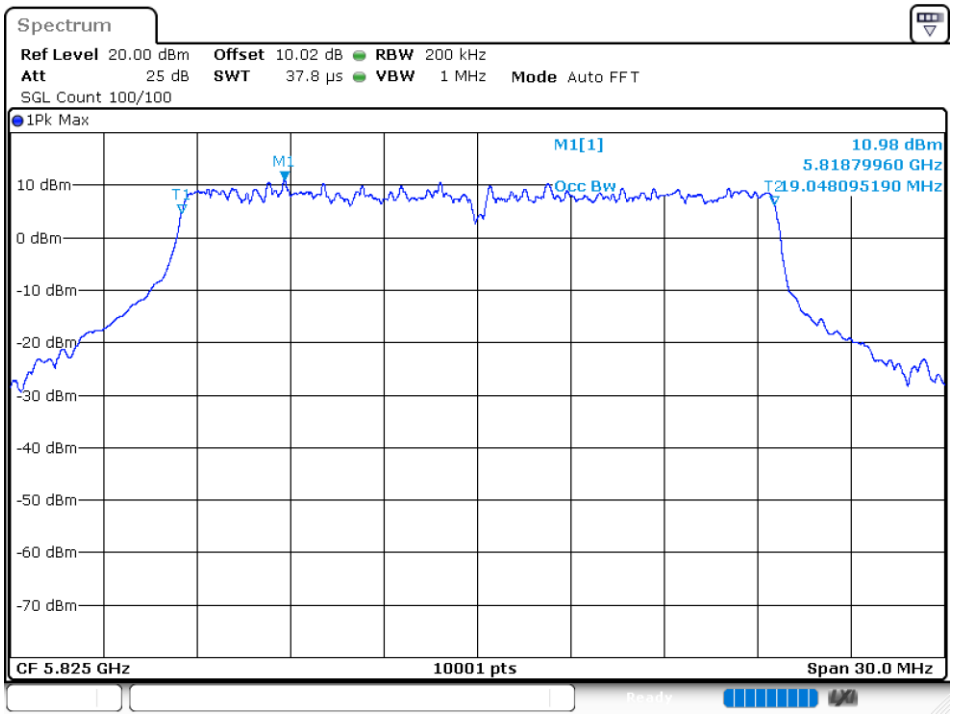
OBW NVNT ax20 5745MHz Ant1



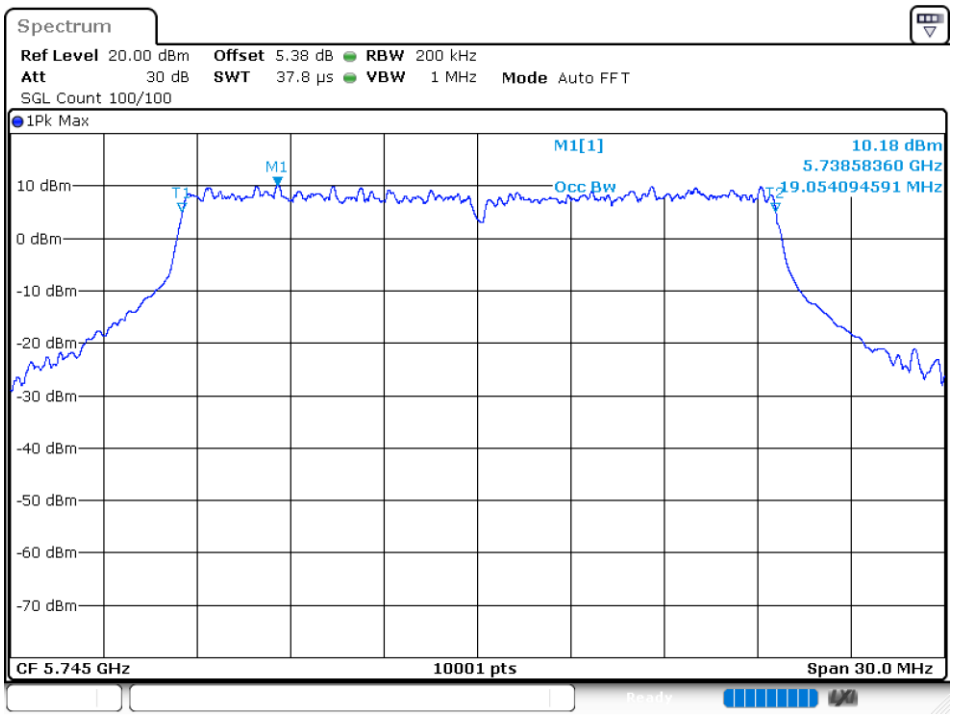
OBW NVNT ax20 5785MHz Ant1



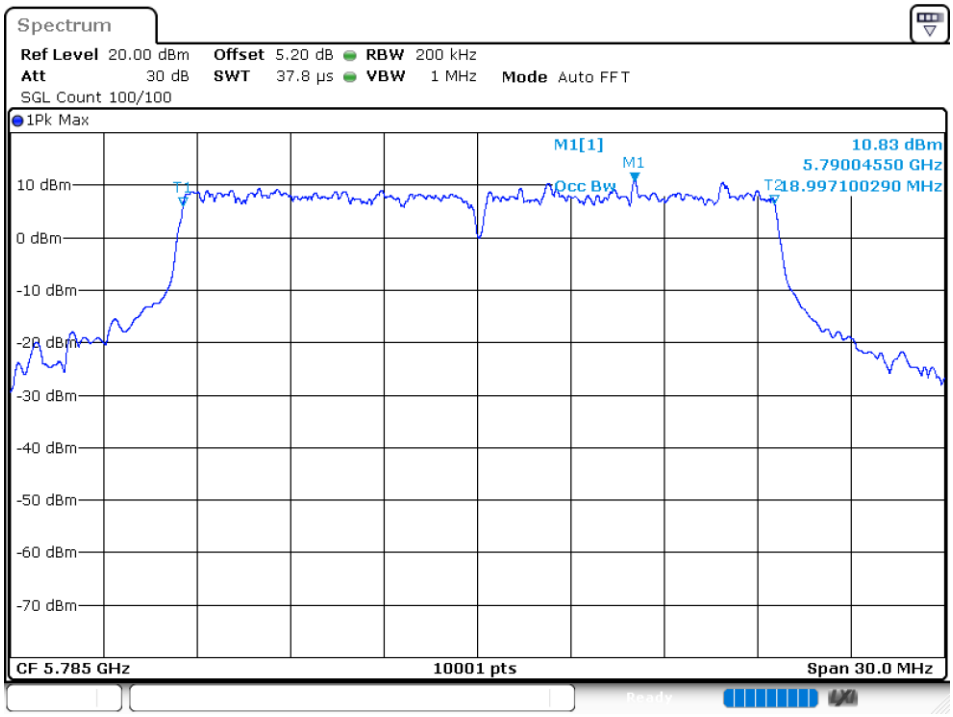
OBW NVNT ax20 5825MHz Ant1



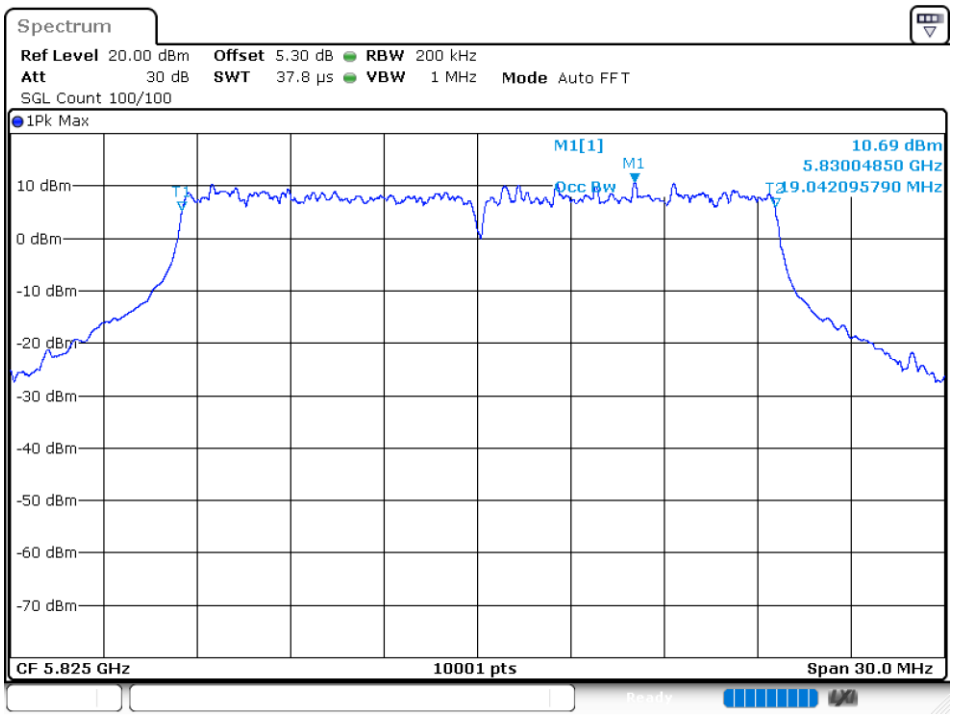
OBW NVNT ax20 5745MHz Ant2



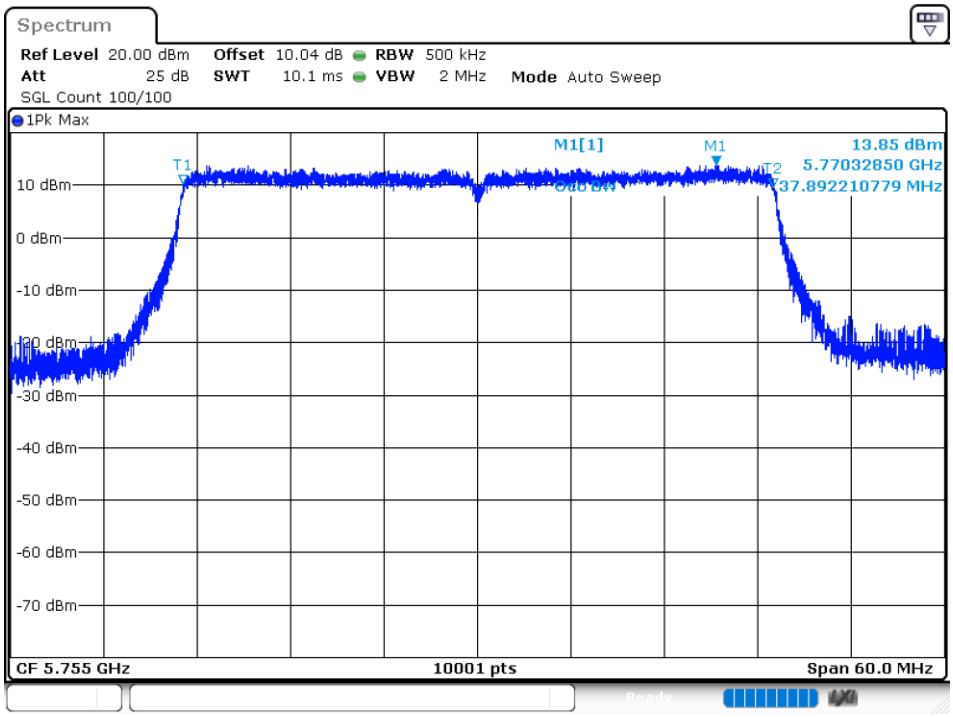
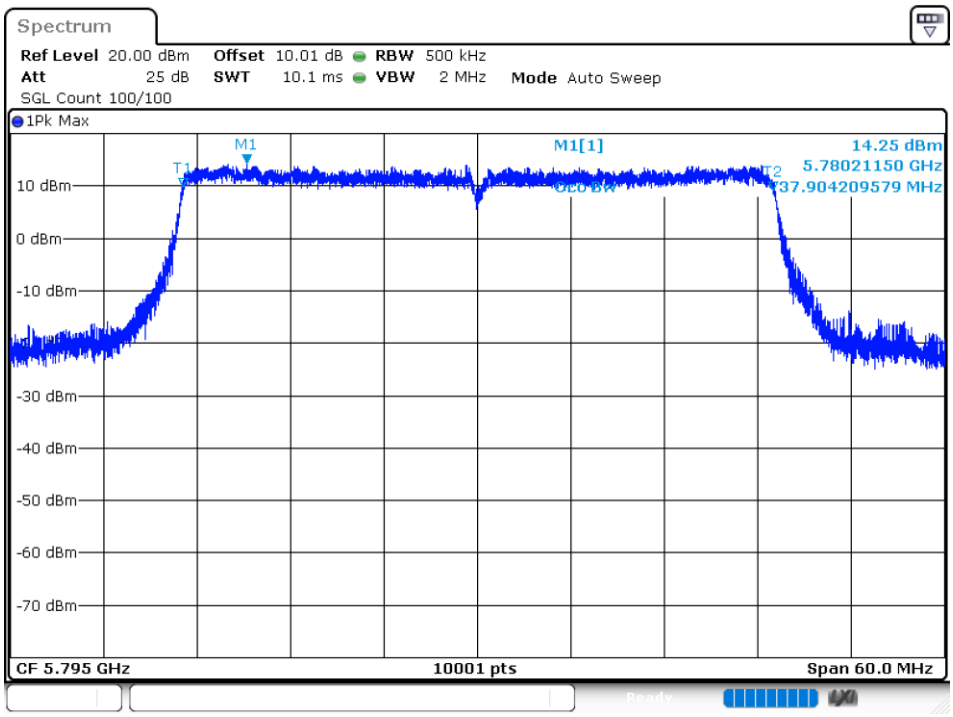
OBW NVNT ax20 5785MHz Ant2



OBW NVNT ax20 5825MHz Ant2



OBW NVNT ax40 5755MHz Ant1



OBW NVNT ax40 5795MHz Ant1