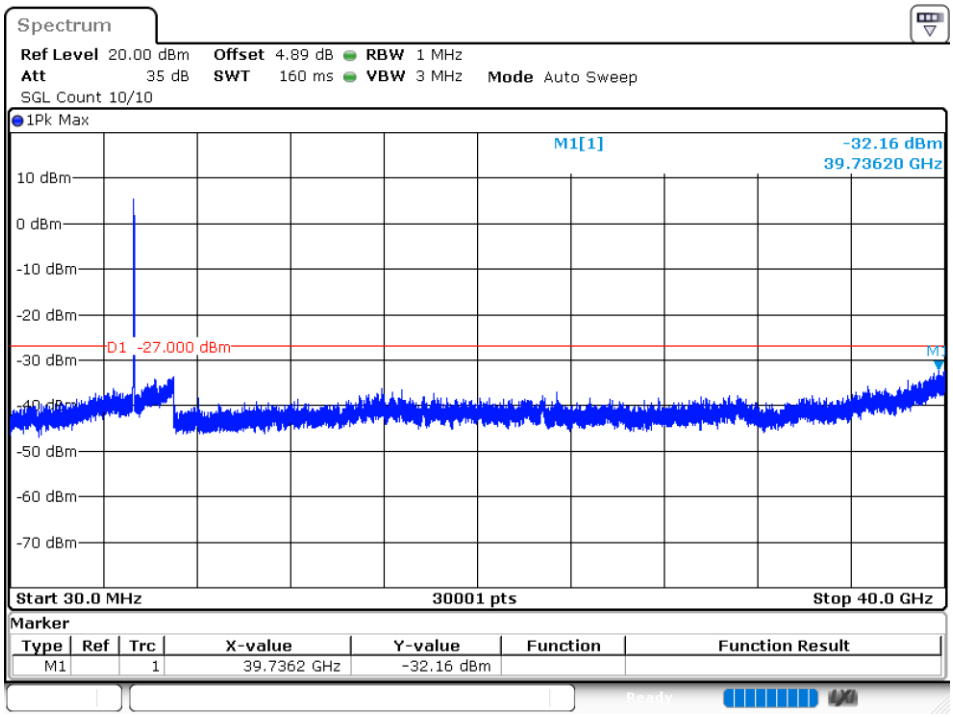
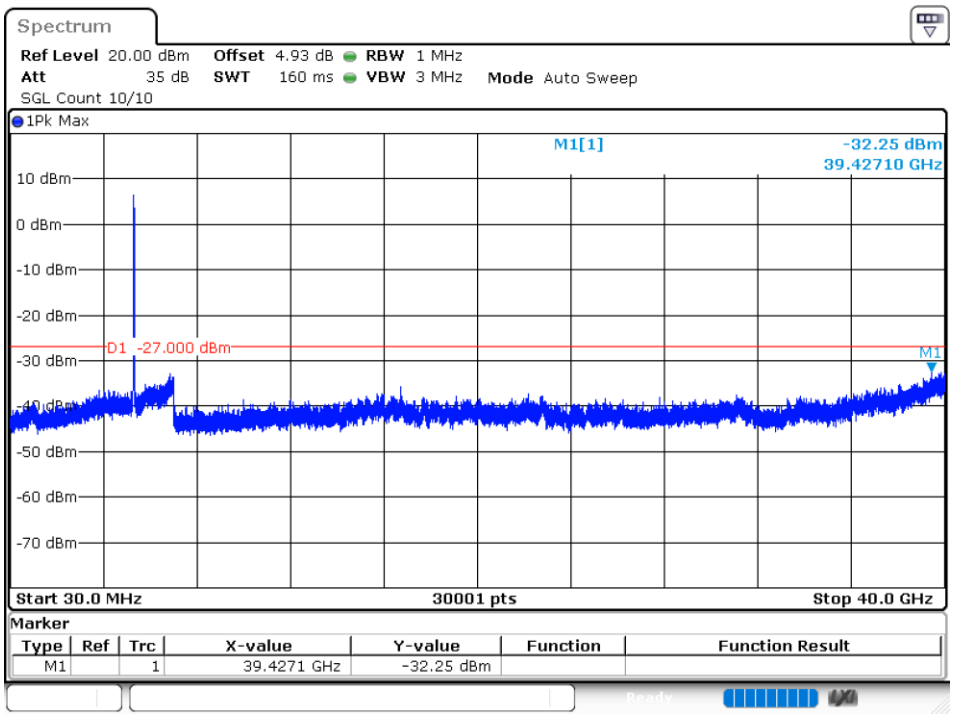
Tx. Spurious NVNT n40 5310MHz Ant1 Emission



Tx. Spurious NVNT n40 5310MHz Ant2 Emission



WIFI 5.6G

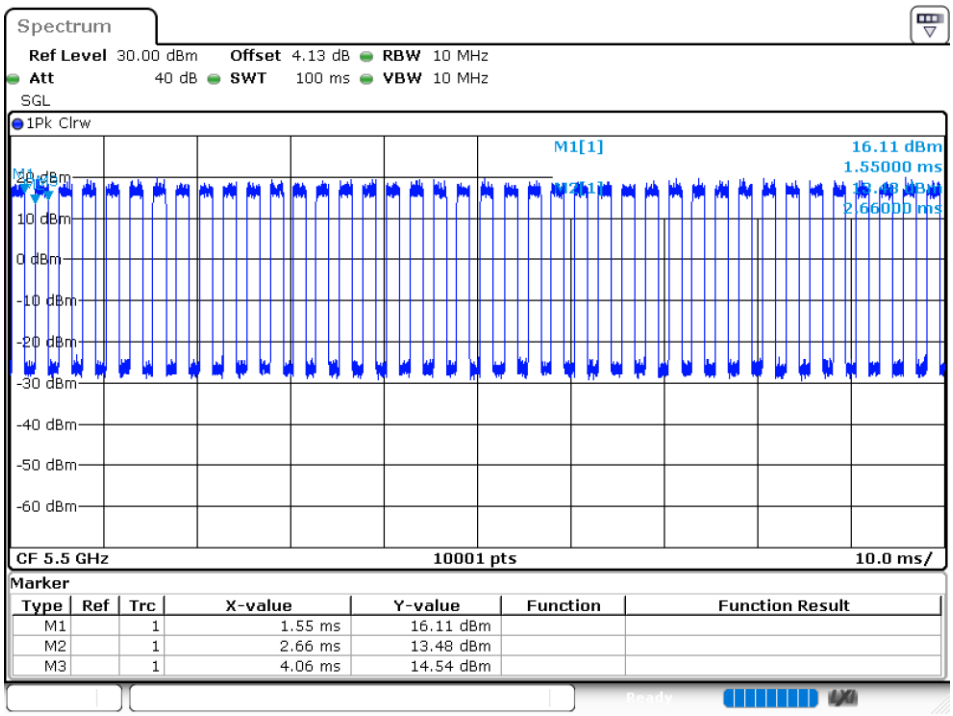
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	56.08	2.51	0.71
NVNT	a	5600	Ant1	56.08	2.51	0.72
NVNT	a	5700	Ant1	56.09	2.51	0.72
NVNT	a	5500	Ant2	55.5	2.56	0.72
NVNT	a	5600	Ant2	55.98	2.52	0.71
NVNT	a	5700	Ant2	55.87	2.53	0.71
NVNT	n20	5500	Ant1	54.17	2.66	0.77
NVNT	n20	5600	Ant1	53.78	2.69	0.77
NVNT	n20	5700	Ant1	54.48	2.64	0.77
NVNT	n20	5500	Ant2	53.71	2.7	0.77
NVNT	n20	5600	Ant2	54.58	2.63	0.77
NVNT	n20	5700	Ant2	54.31	2.65	0.77
NVNT	n40	5510	Ant1	40.58	3.92	1.56
NVNT	n40	5590	Ant1	37.26	4.29	1.54
NVNT	n40	5670	Ant1	36.99	4.32	1.54
NVNT	n40	5510	Ant2	37.4	4.27	1.56
NVNT	n40	5590	Ant2	37.92	4.21	1.56
NVNT	n40	5670	Ant2	37.26	4.29	1.54
NVNT	ac20	5500	Ant1	54	2.68	0.77
NVNT	ac20	5600	Ant1	55.35	2.57	0.77
NVNT	ac20	5700	Ant1	56.06	2.51	0.76
NVNT	ac20	5500	Ant2	53.98	2.68	0.76
NVNT	ac20	5600	Ant2	54.54	2.63	0.76
NVNT	ac20	5700	Ant2	54.53	2.63	0.77
NVNT	ac40	5510	Ant1	37.18	4.3	1.54
NVNT	ac40	5590	Ant1	37.06	4.31	1.54
NVNT	ac40	5670	Ant1	39.4	4.05	1.54
NVNT	ac40	5510	Ant2	41.58	3.81	1.54
NVNT	ac40	5590	Ant2	37.29	4.28	1.54
NVNT	ac40	5670	Ant2	37.64	4.24	1.54
NVNT	ac80	5530	Ant1	23.03	6.38	3.03
NVNT	ac80	5610	Ant1	23.11	6.36	3.03
NVNT	ac80	5530	Ant2	23.05	6.37	3.03
NVNT	ac80	5610	Ant2	23.09	6.37	3.12
NVNT	ax20	5500	Ant1	48.12	3.18	0.98
NVNT	ax20	5600	Ant1	47.69	3.22	0.99

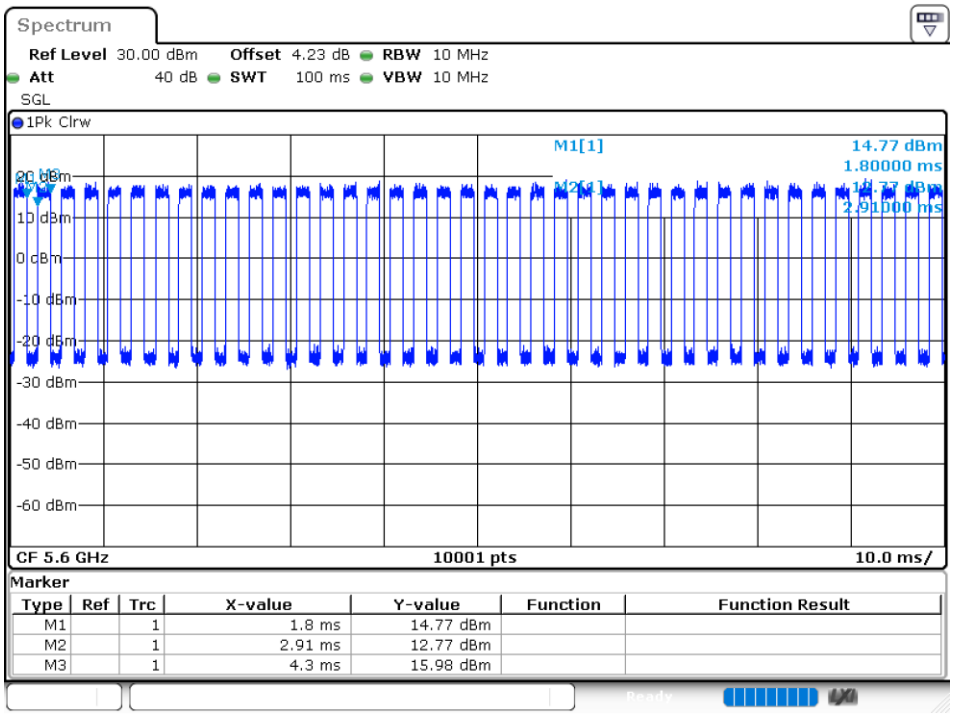
NVNT	ax20	5700	Ant1	50	3.01	0.99
NVNT	ax20	5500	Ant2	48.6	3.13	0.99
NVNT	ax20	5600	Ant2	47.92	3.2	0.99
NVNT	ax20	5700	Ant2	47.83	3.2	0.98
NVNT	ax40	5510	Ant1	32.59	4.87	1.89
NVNT	ax40	5590	Ant1	32.6	4.87	1.85
NVNT	ax40	5670	Ant1	32.59	4.87	1.85
NVNT	ax40	5510	Ant2	32.64	4.86	1.85
NVNT	ax40	5590	Ant2	33.18	4.79	1.85
NVNT	ax40	5670	Ant2	33.12	4.8	1.89
NVNT	ax80	5530	Ant1	20.83	6.81	3.57
NVNT	ax80	5610	Ant1	21.15	6.75	3.45
NVNT	ax80	5530	Ant2	21.45	6.69	3.45
NVNT	ax80	5610	Ant2	21.1	6.76	3.45

Test Graphs

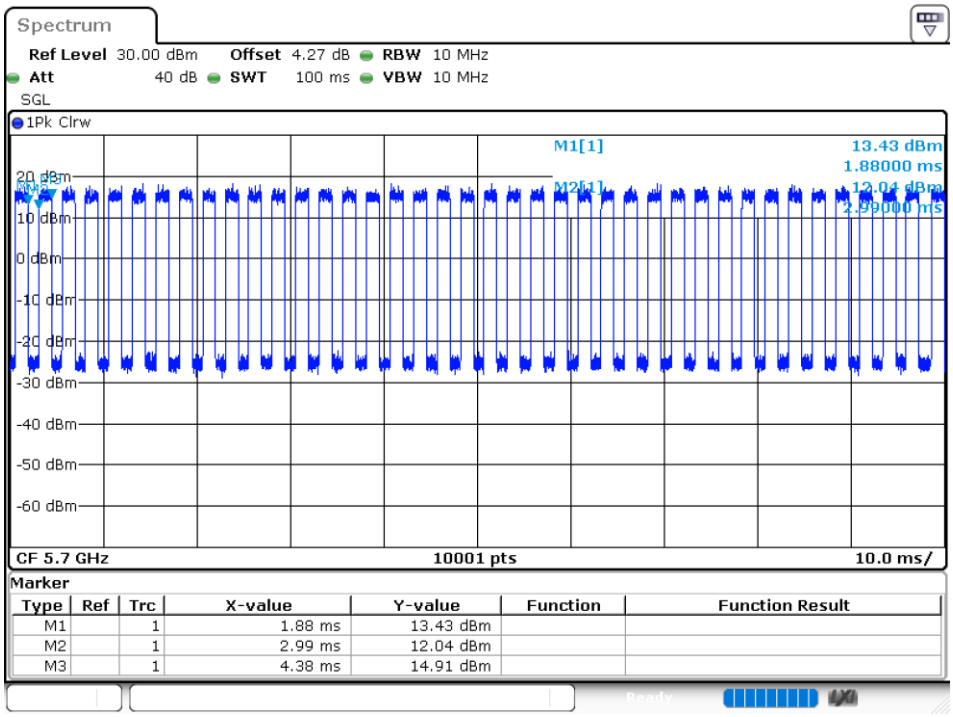
Duty Cycle NVNT a 5500MHz Ant1



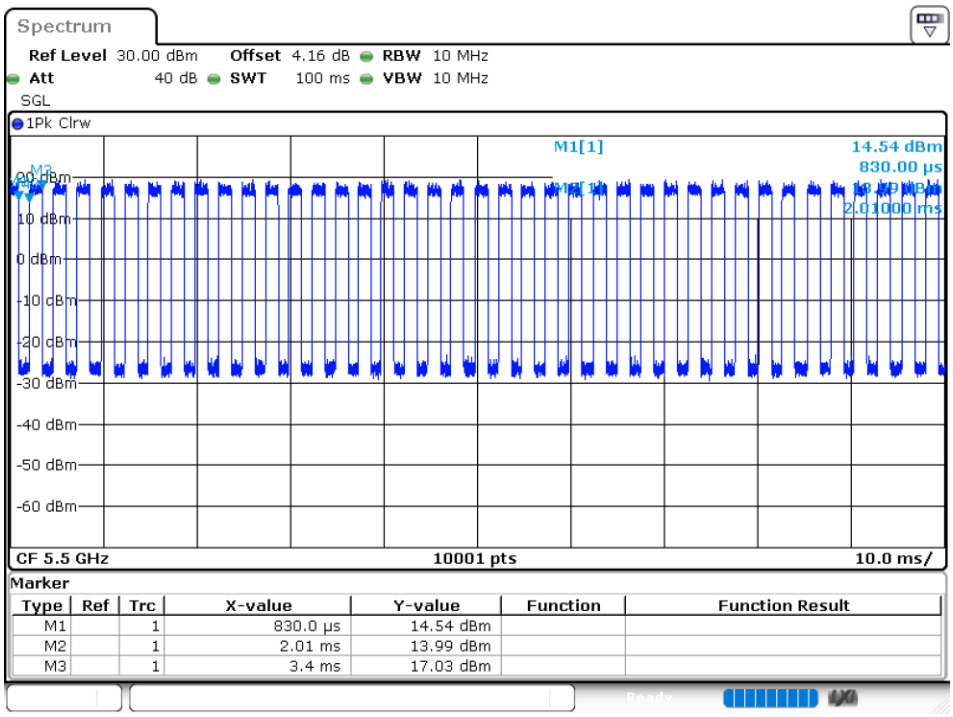
Duty Cycle NVNT a 5600MHz Ant1



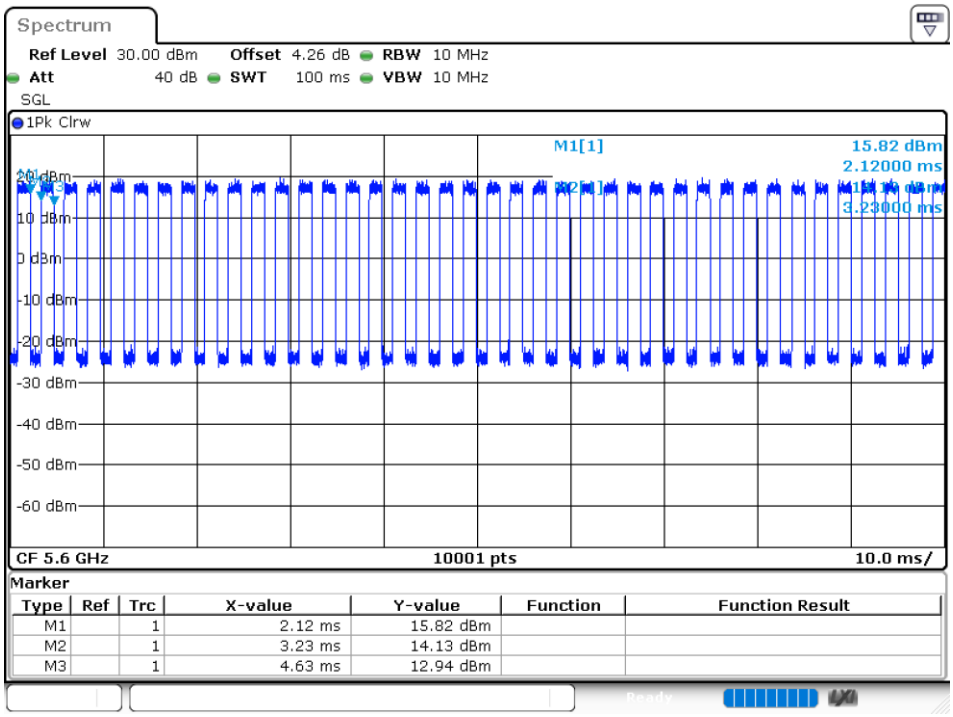
Duty Cycle NVNT a 5700MHz Ant1



Duty Cycle NVNT a 5500MHz Ant2



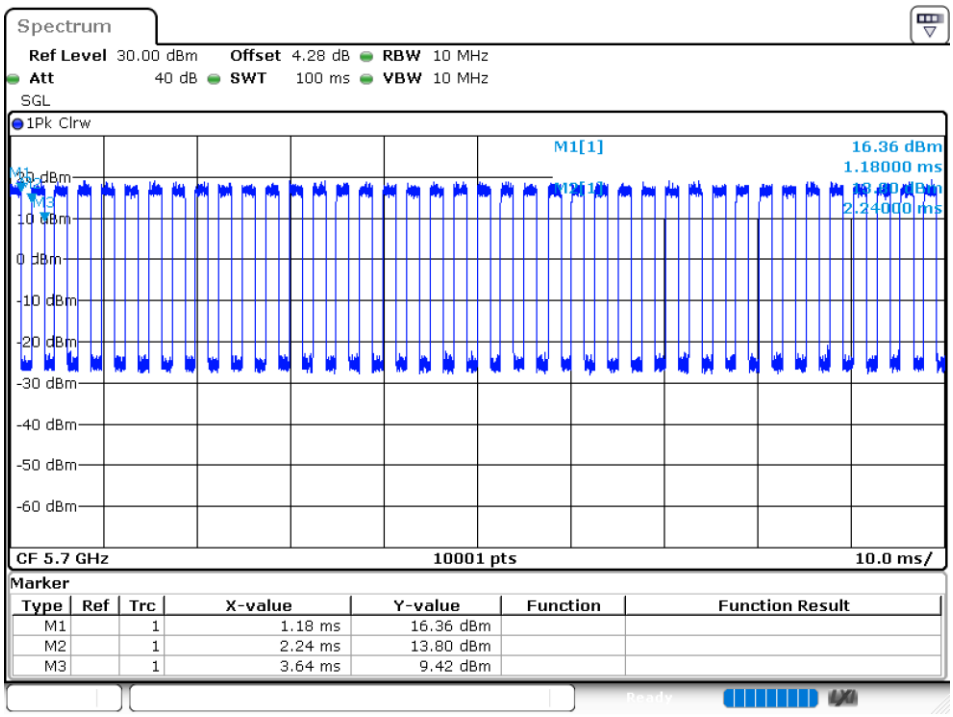
Duty Cycle NVNT a 5600MHz Ant2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.12 ms	15.82 dBm		
M2		1	3.23 ms	14.13 dBm		
M3		1	4.63 ms	12.94 dBm		

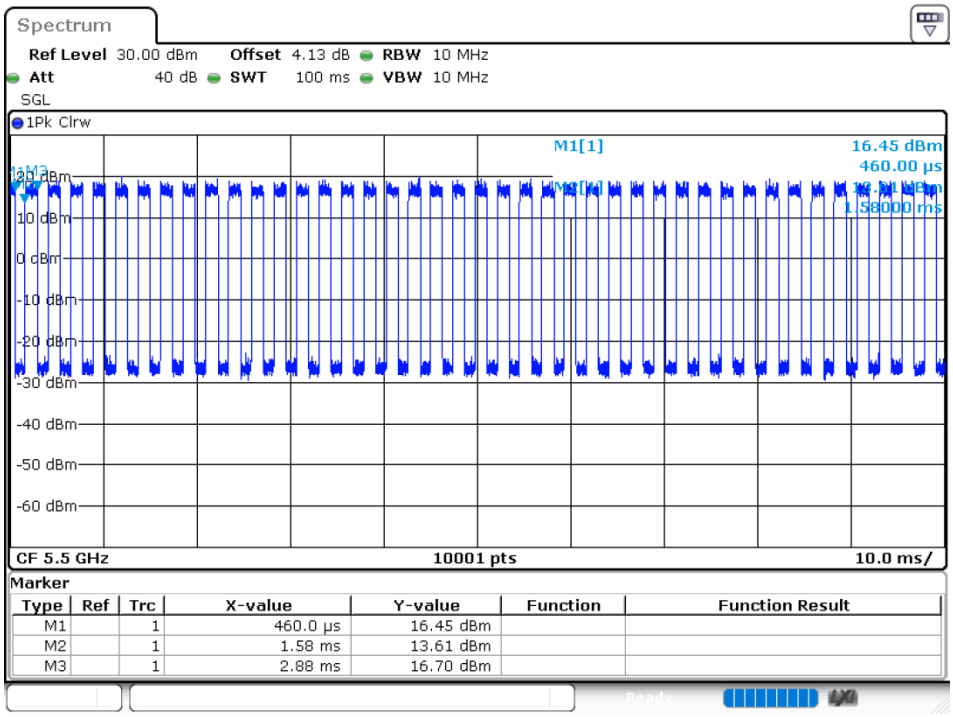
Duty Cycle NVNT a 5700MHz Ant2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.18 ms	16.36 dBm		
M2		1	2.24 ms	13.80 dBm		
M3		1	3.64 ms	9.42 dBm		

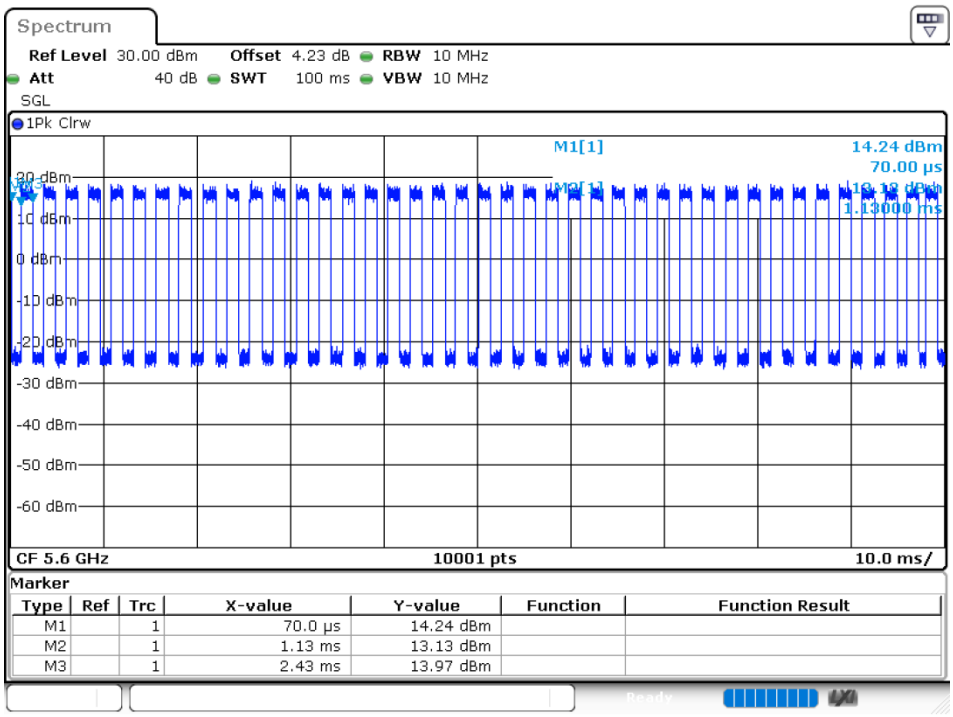
Duty Cycle NVNT n20 5500MHz Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	460.0 µs	16.45 dBm		
M2		1	1.58 ms	13.61 dBm		
M3		1	2.88 ms	16.70 dBm		

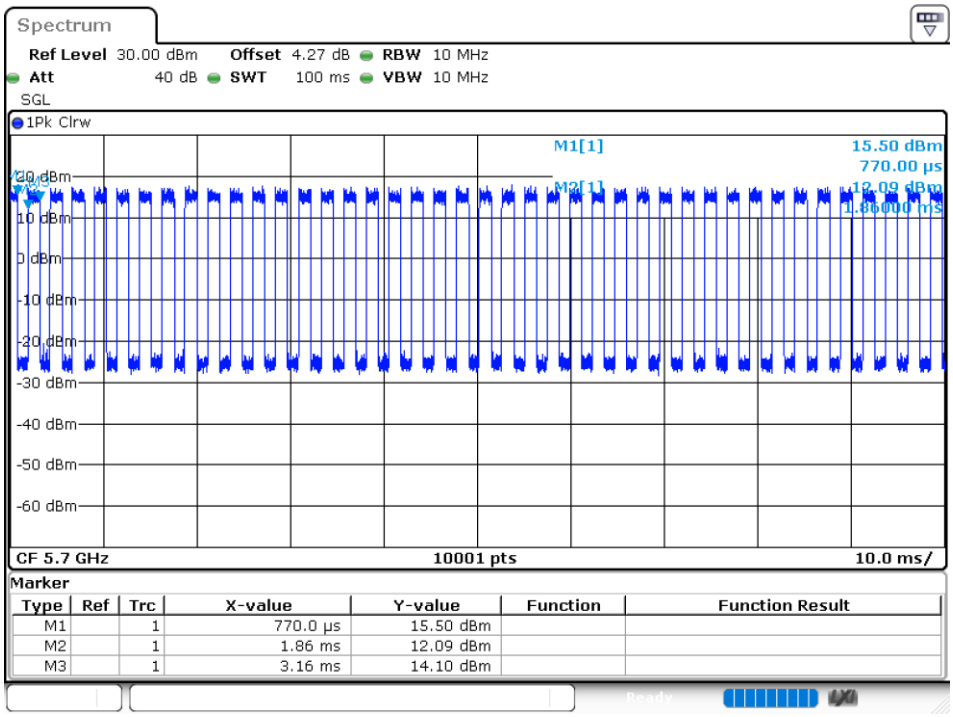
Duty Cycle NVNT n20 5600MHz Ant1



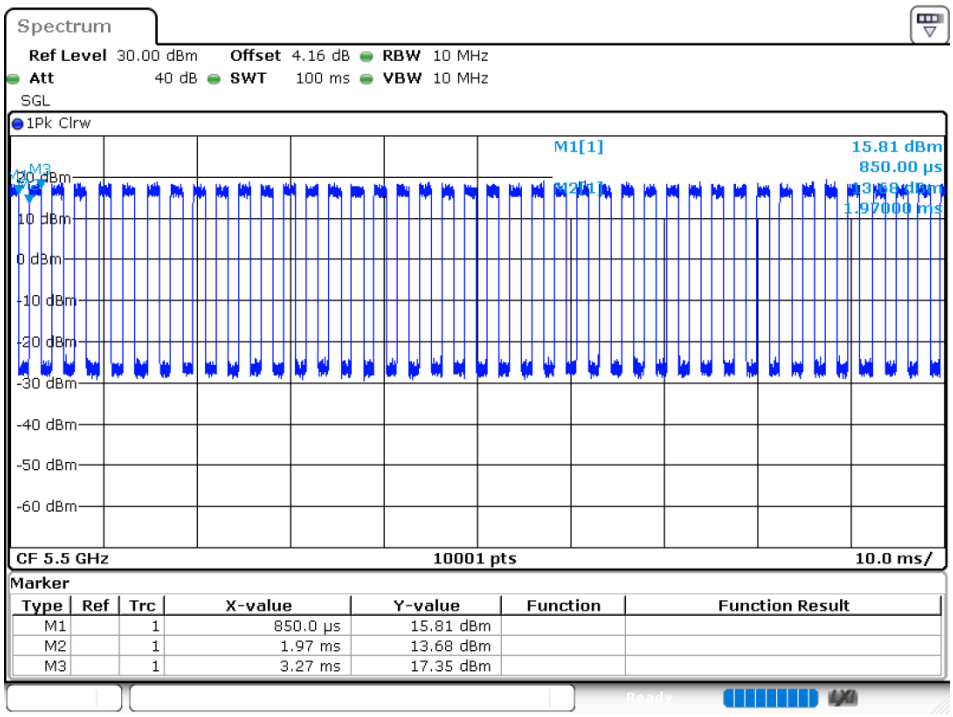
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	70.0 µs	14.24 dBm		
M2		1	1.13 ms	13.13 dBm		
M3		1	2.43 ms	13.97 dBm		

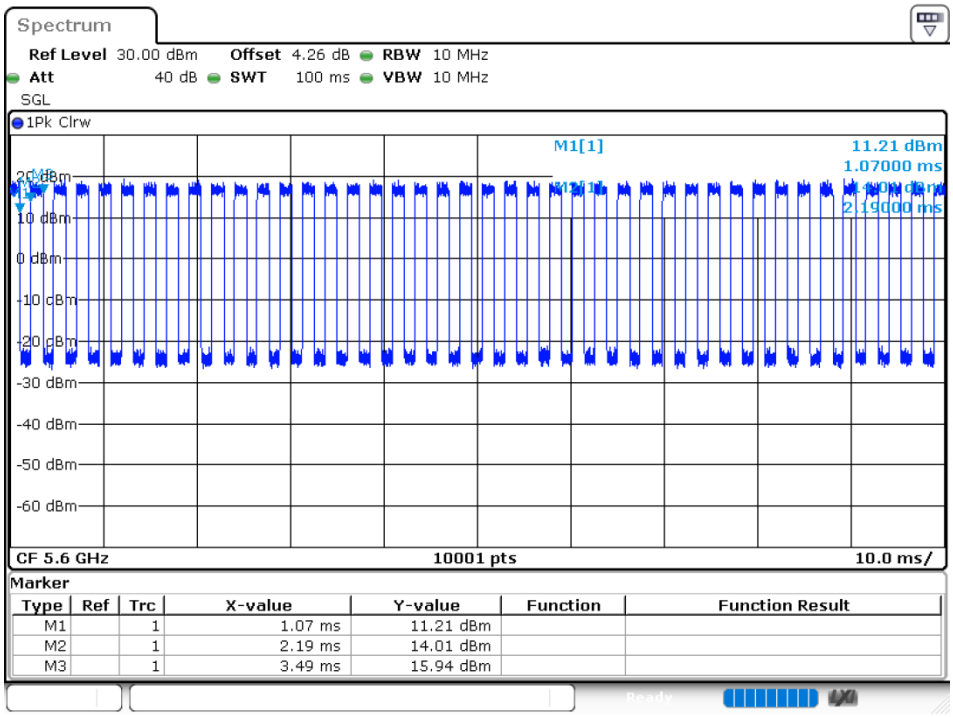
Duty Cycle NVNT n20 5700MHz Ant1



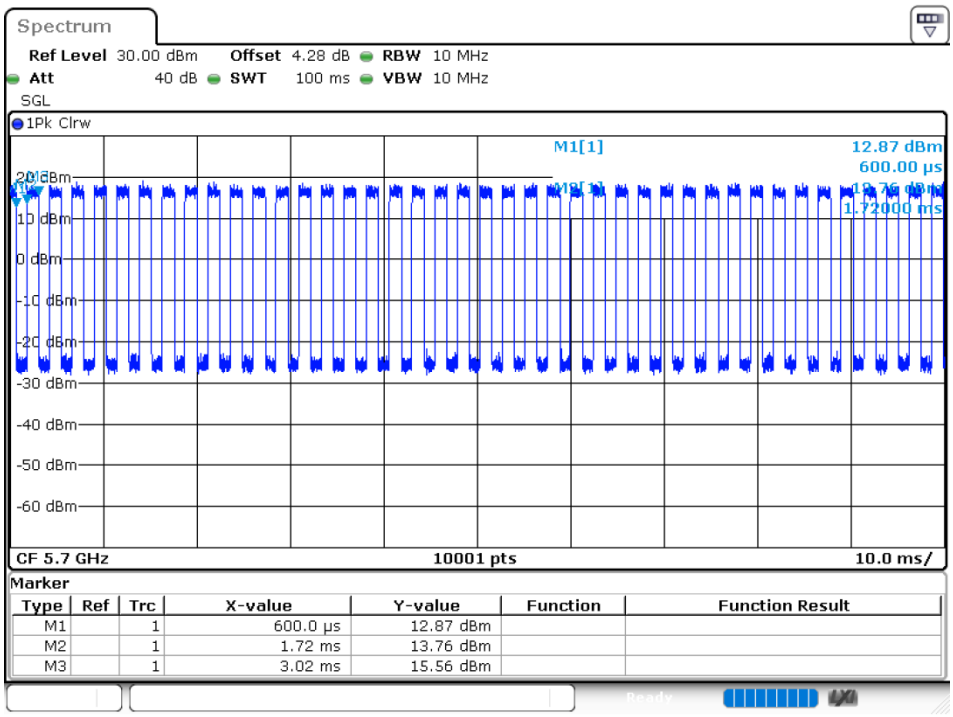
Duty Cycle NVNT n20 5500MHz Ant2



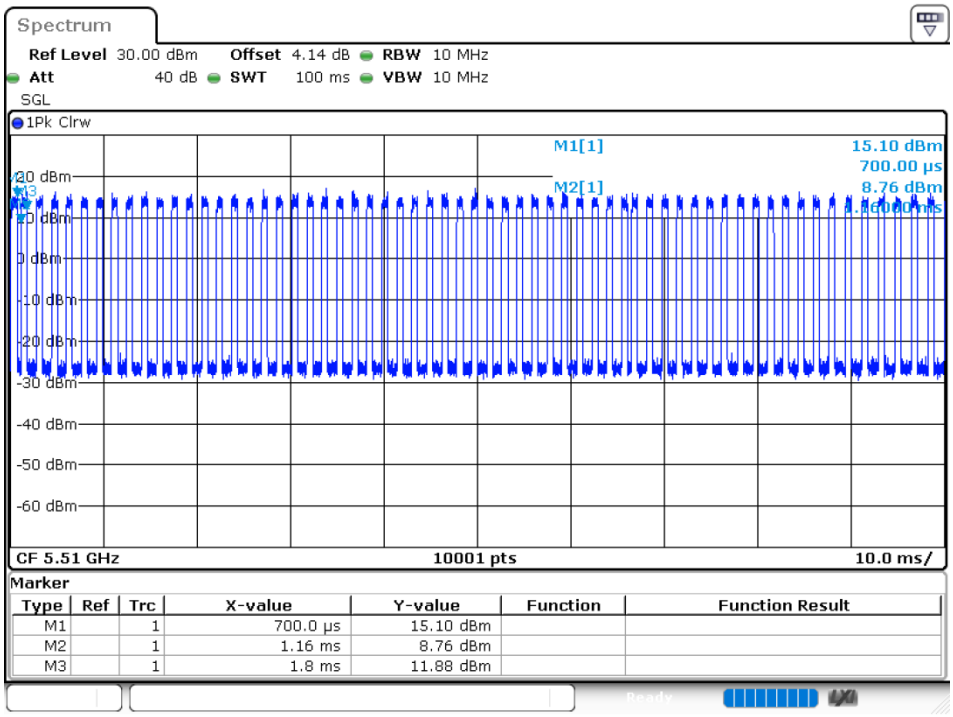
Duty Cycle NVNT n20 5600MHz Ant2



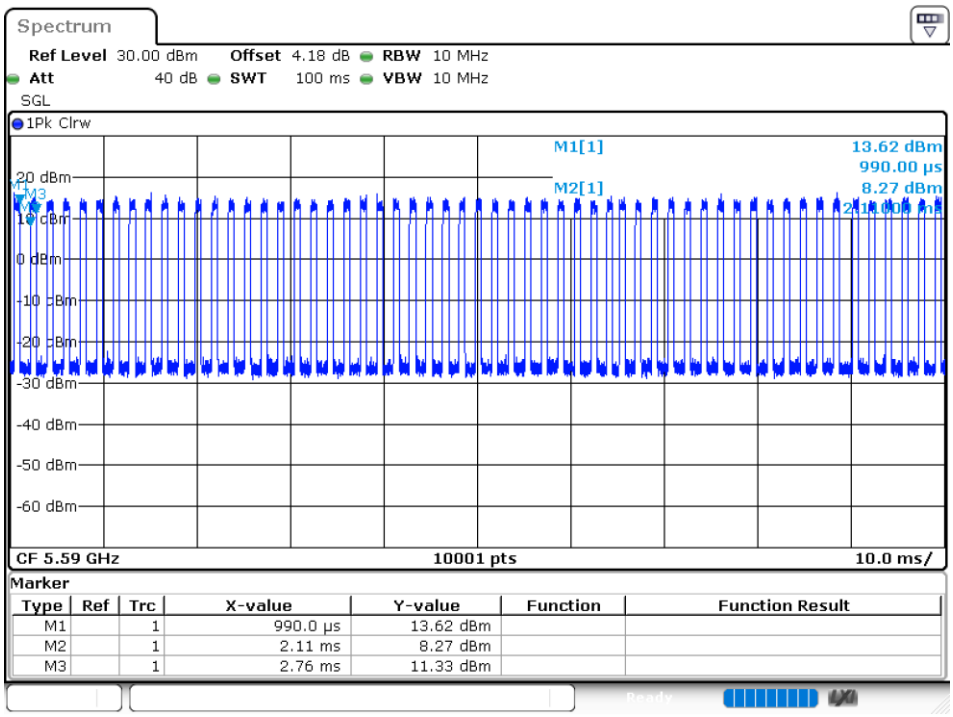
Duty Cycle NVNT n20 5700MHz Ant2



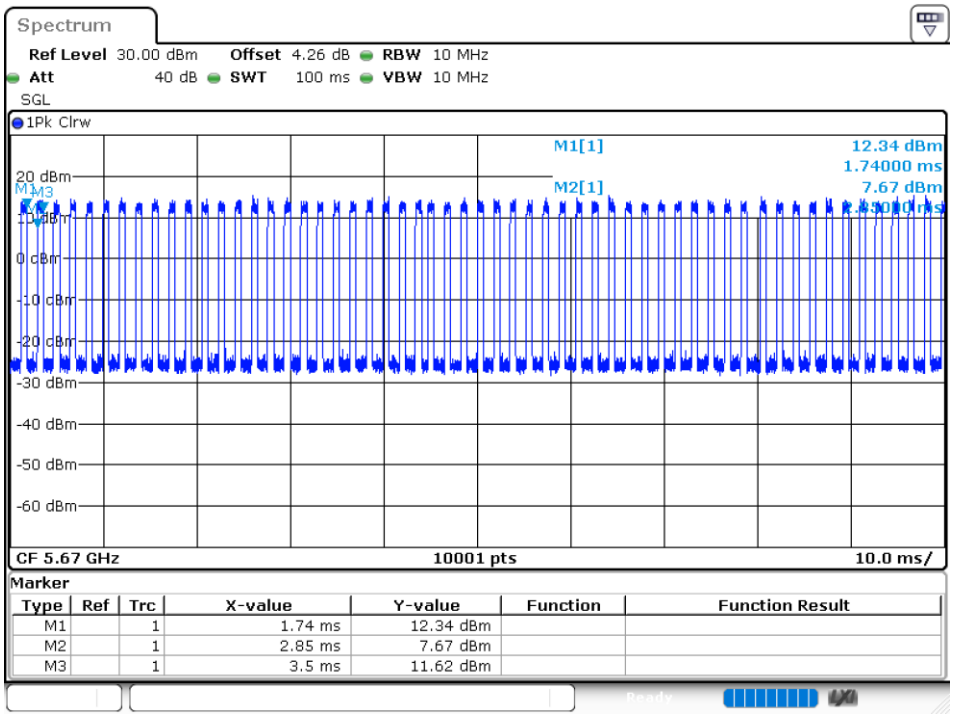
Duty Cycle NVNT n40 5510MHz Ant1



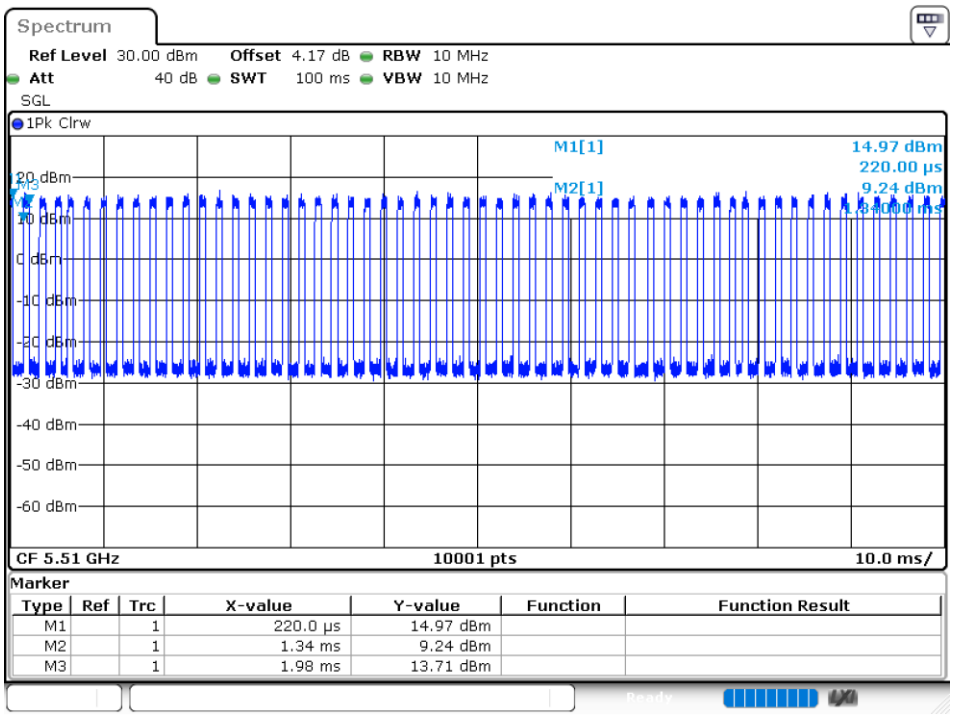
Duty Cycle NVNT n40 5590MHz Ant1



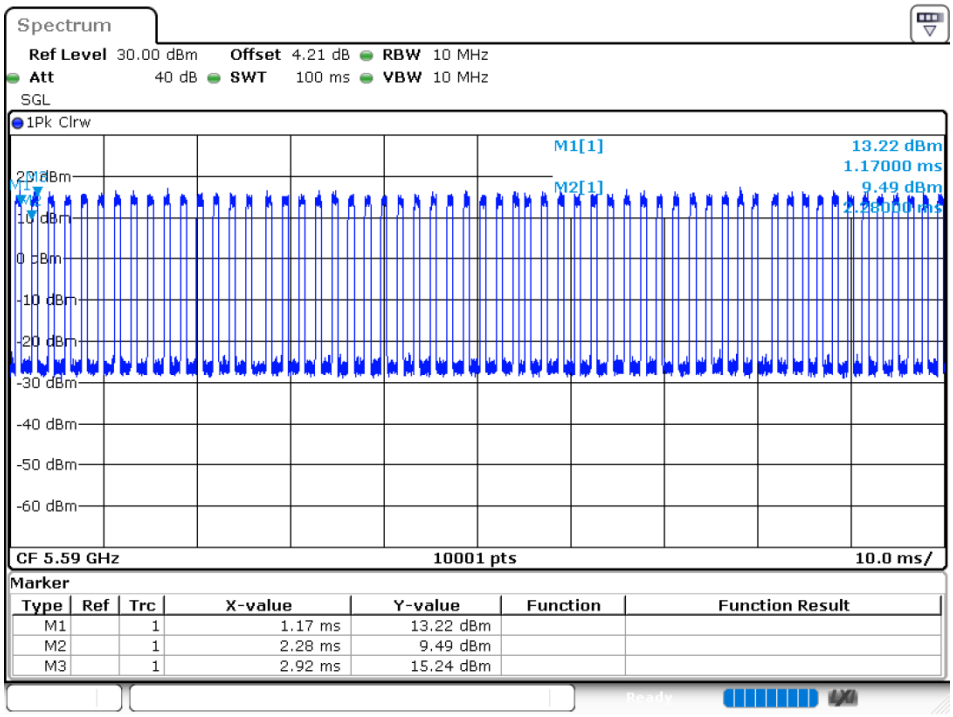
Duty Cycle NVNT n40 5670MHz Ant1



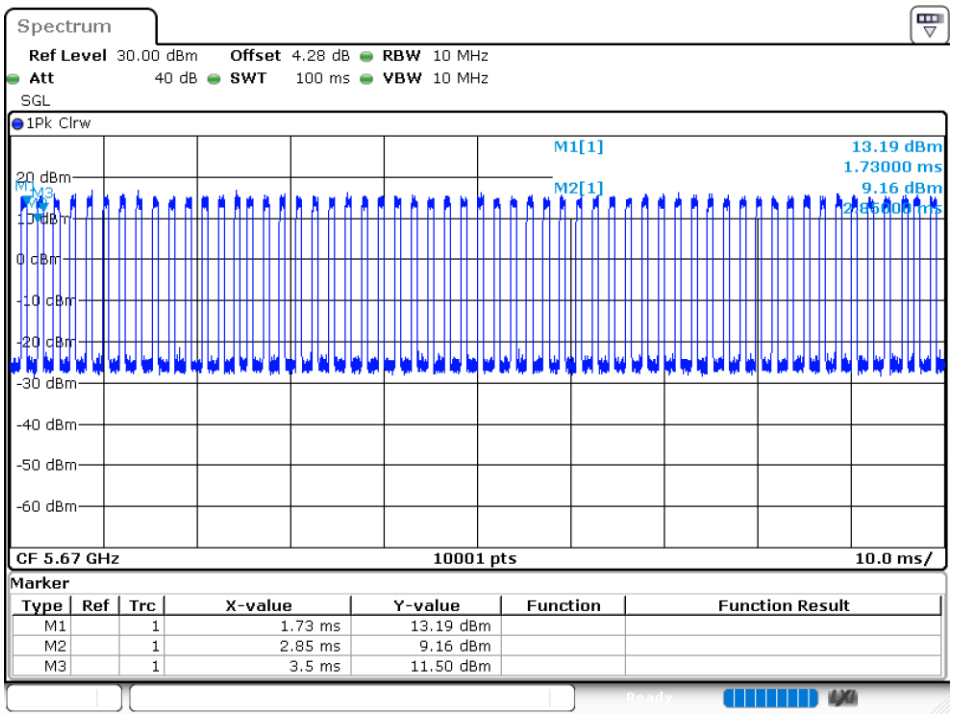
Duty Cycle NVNT n40 5510MHz Ant2



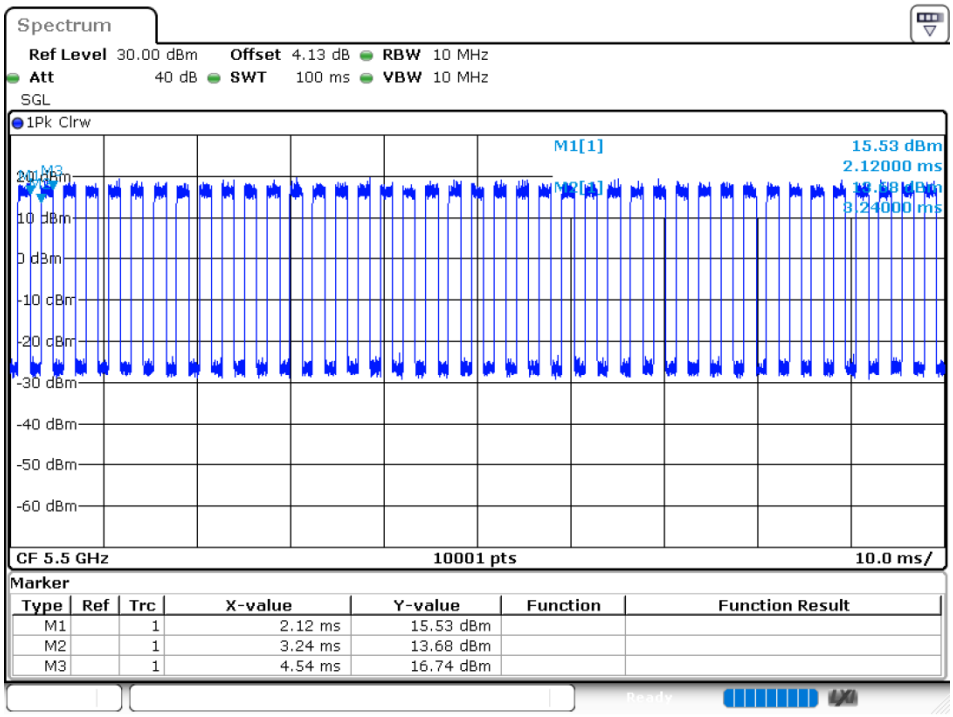
Duty Cycle NVNT n40 5590MHz Ant2



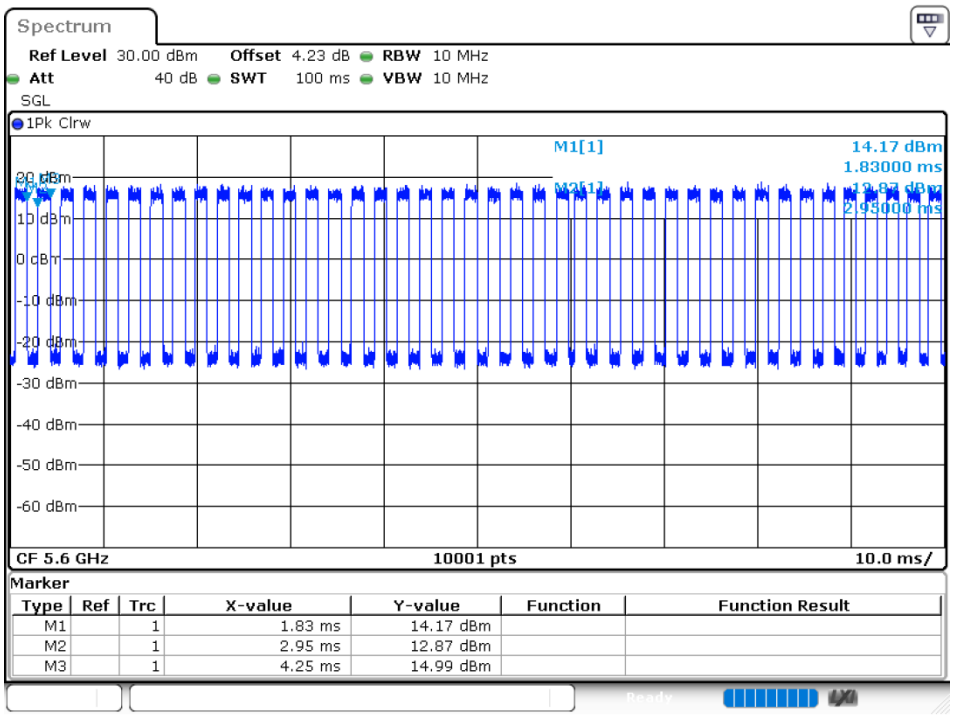
Duty Cycle NVNT n40 5670MHz Ant2



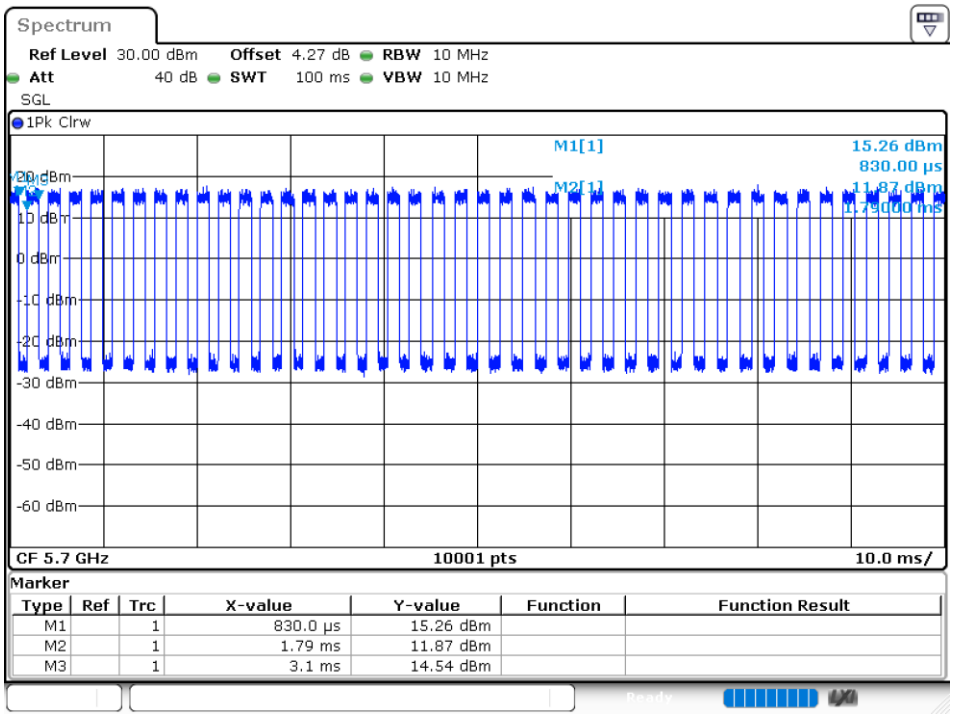
Duty Cycle NVNT ac20 5500MHz Ant1



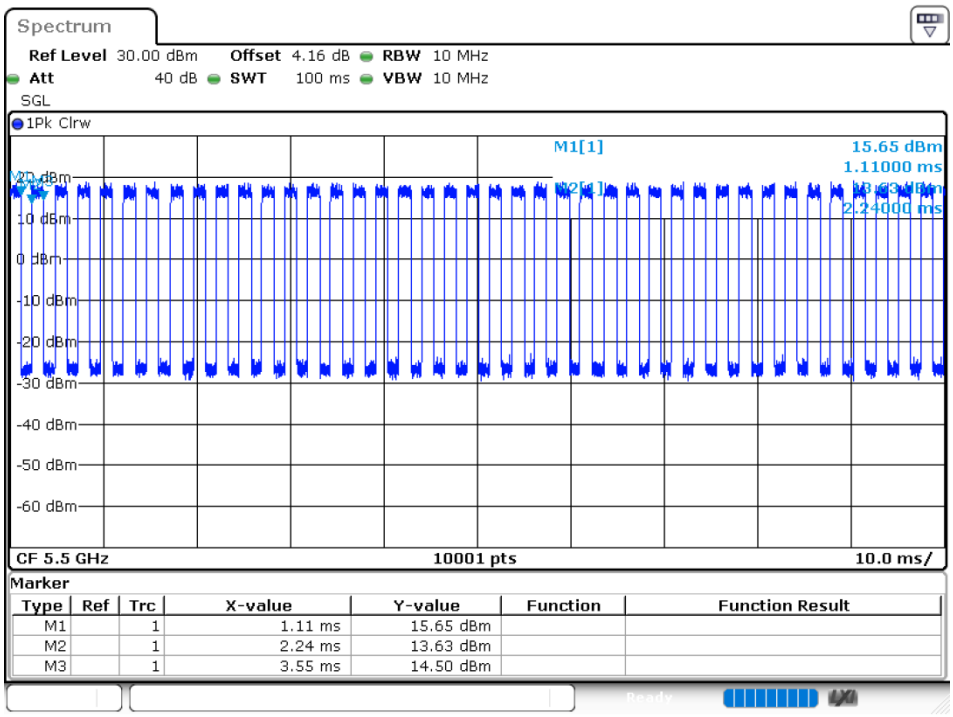
Duty Cycle NVNT ac20 5600MHz Ant1



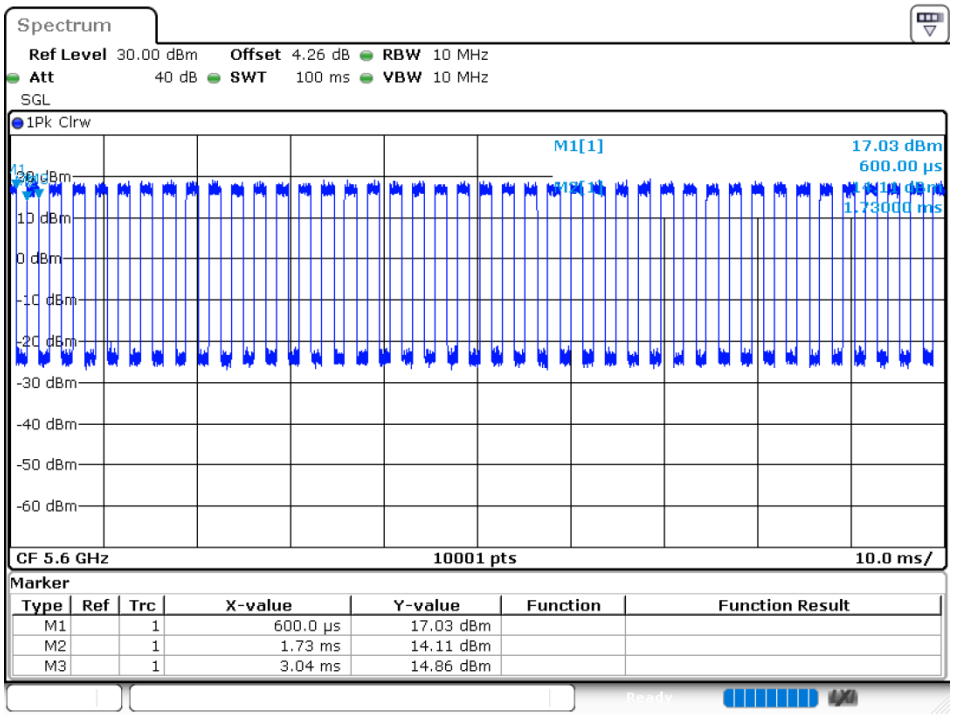
Duty Cycle NVNT ac20 5700MHz Ant1



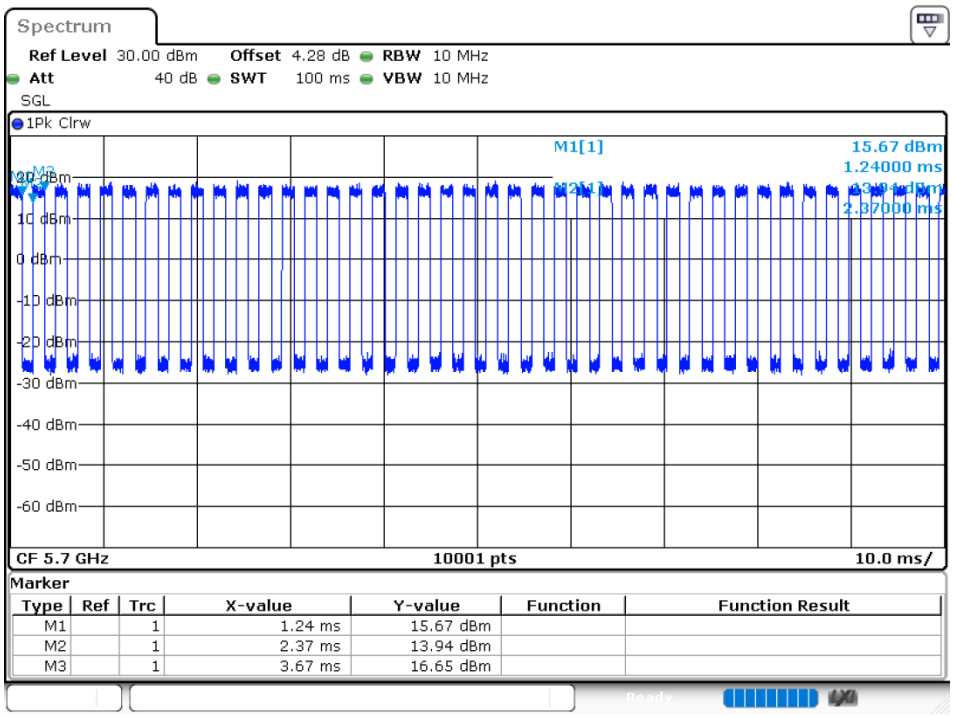
Duty Cycle NVNT ac20 5500MHz Ant2



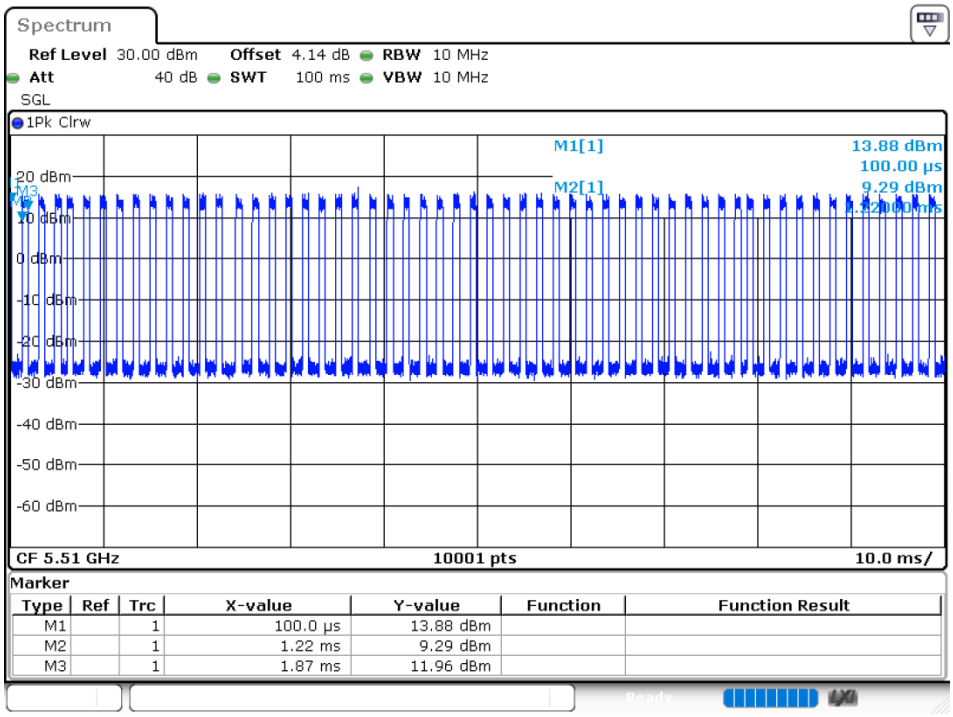
Duty Cycle NVNT ac20 5600MHz Ant2



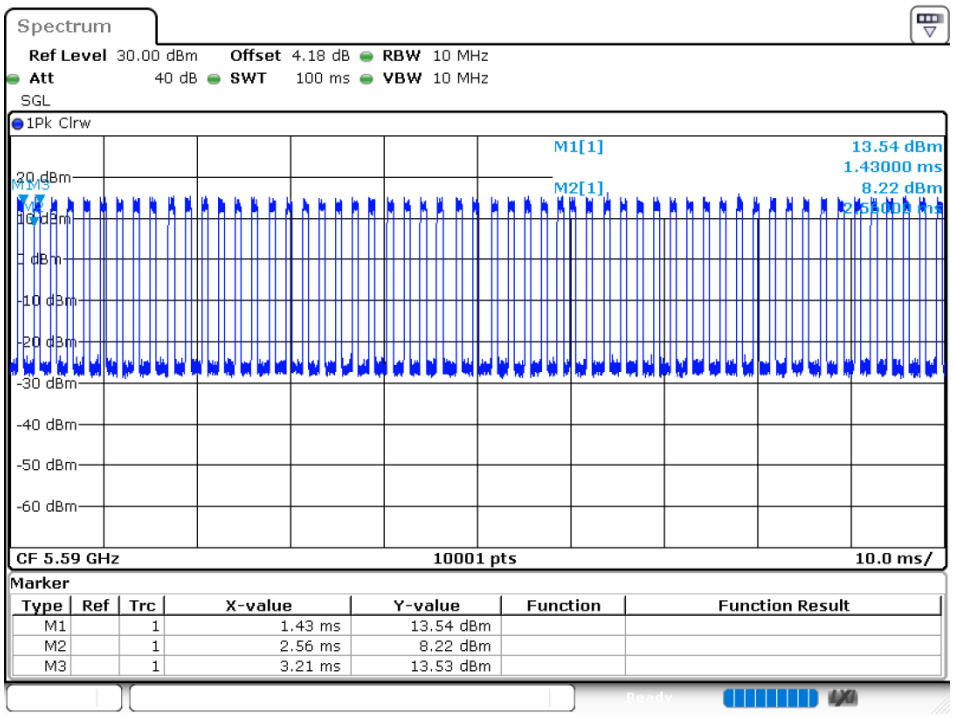
Duty Cycle NVNT ac20 5700MHz Ant2



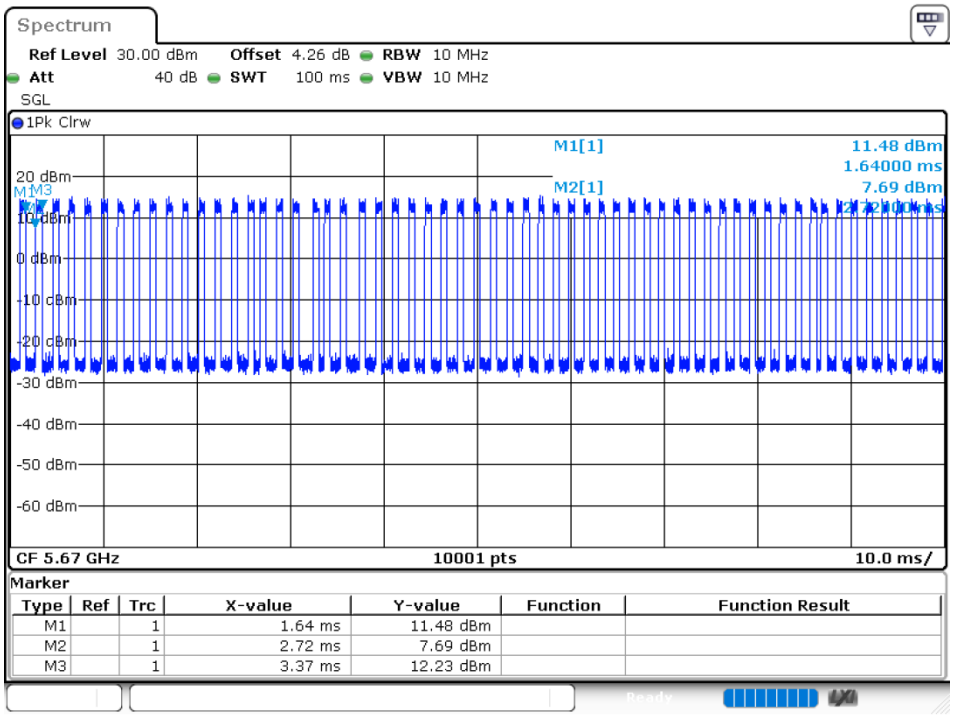
Duty Cycle NVNT ac40 5510MHz Ant1



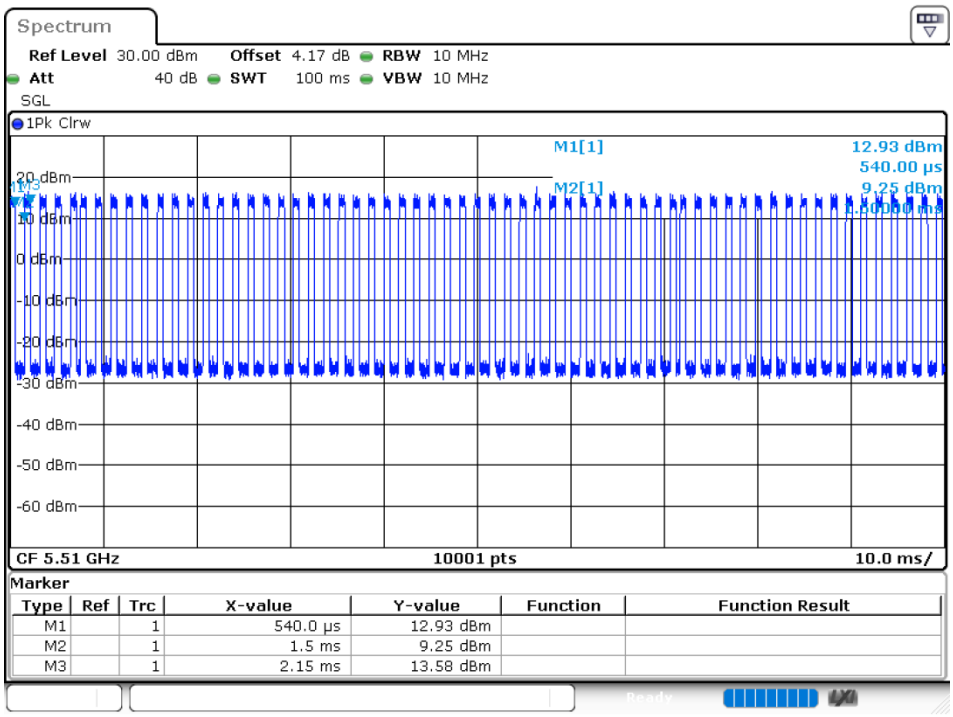
Duty Cycle NVNT ac40 5590MHz Ant1



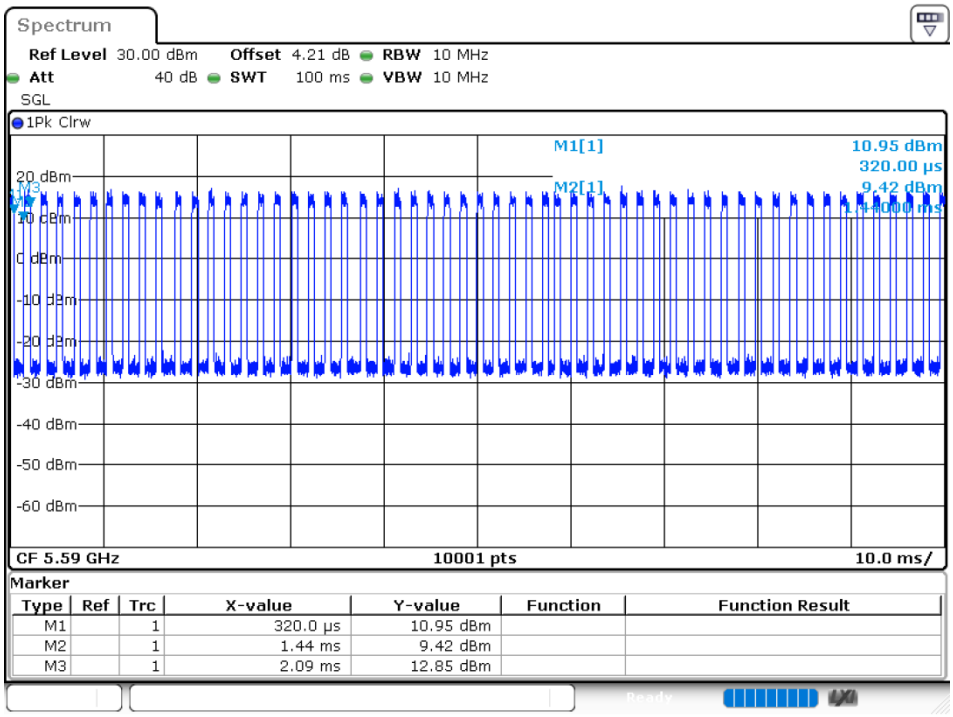
Duty Cycle NVNT ac40 5670MHz Ant1



Duty Cycle NVNT ac40 5510MHz Ant2



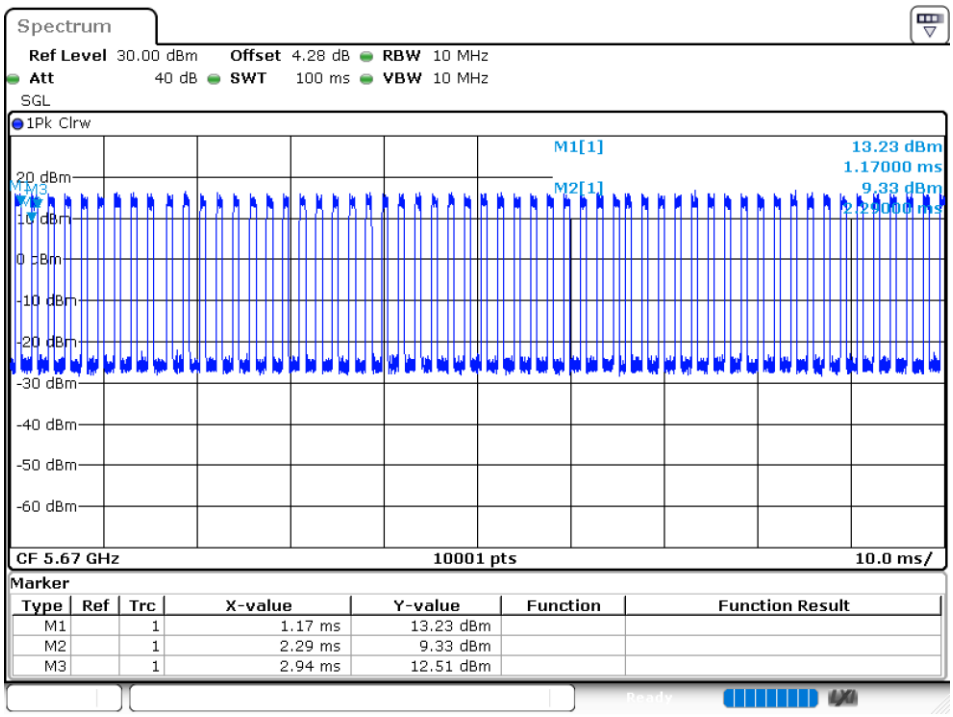
Duty Cycle NVNT ac40 5590MHz Ant2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	320.0 µs	10.95 dBm		
M2		1	1.44 ms	9.42 dBm		
M3		1	2.09 ms	12.85 dBm		

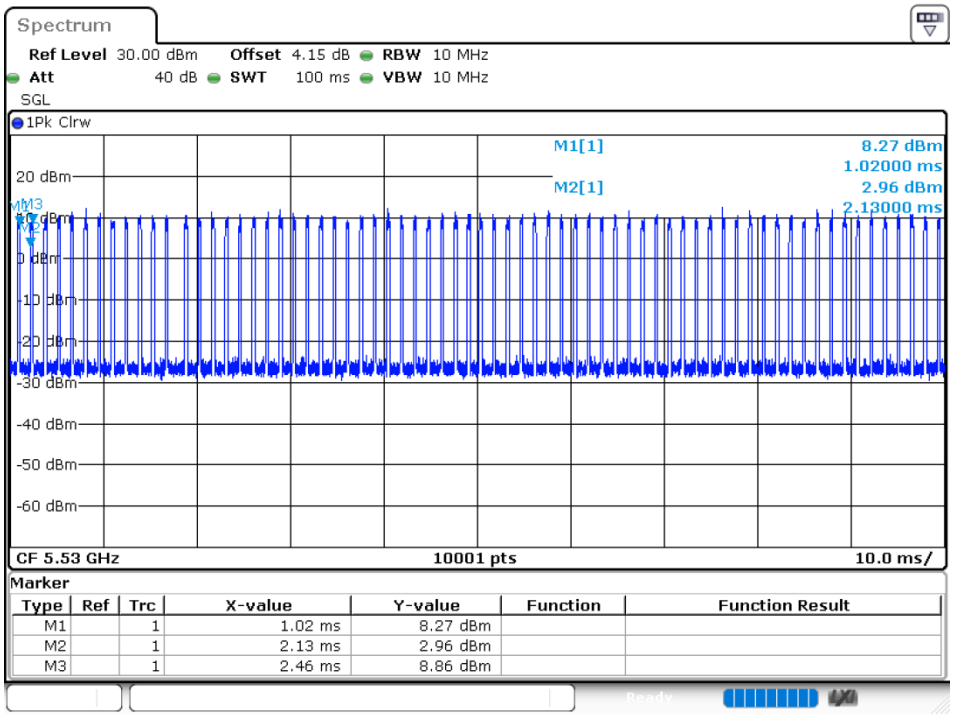
Duty Cycle NVNT ac40 5670MHz Ant2



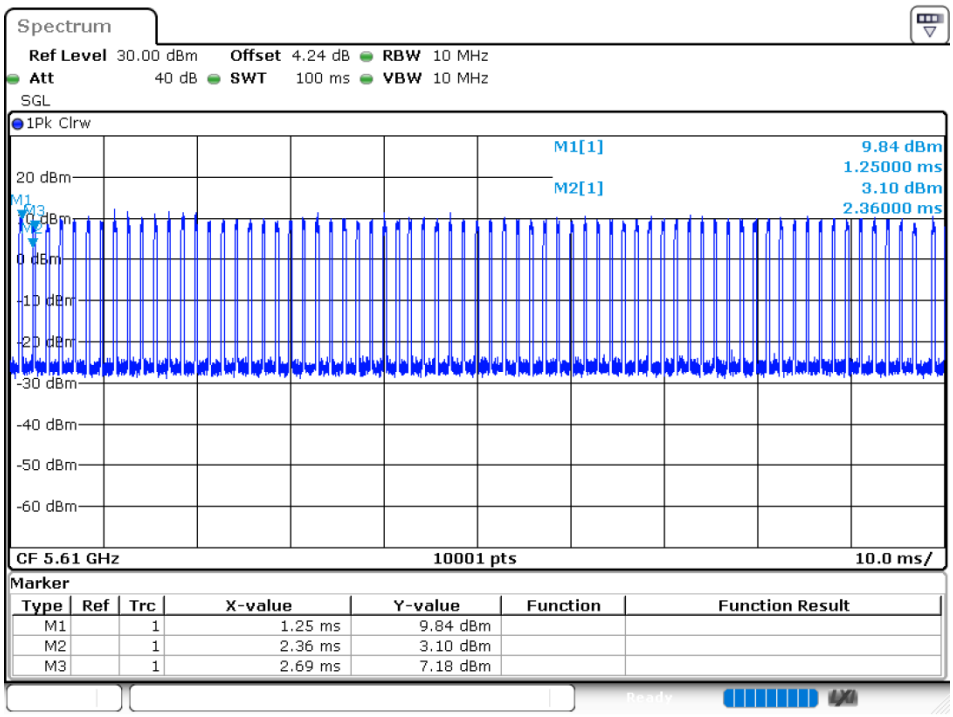
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.17 ms	13.23 dBm		
M2		1	2.29 ms	9.33 dBm		
M3		1	2.94 ms	12.51 dBm		

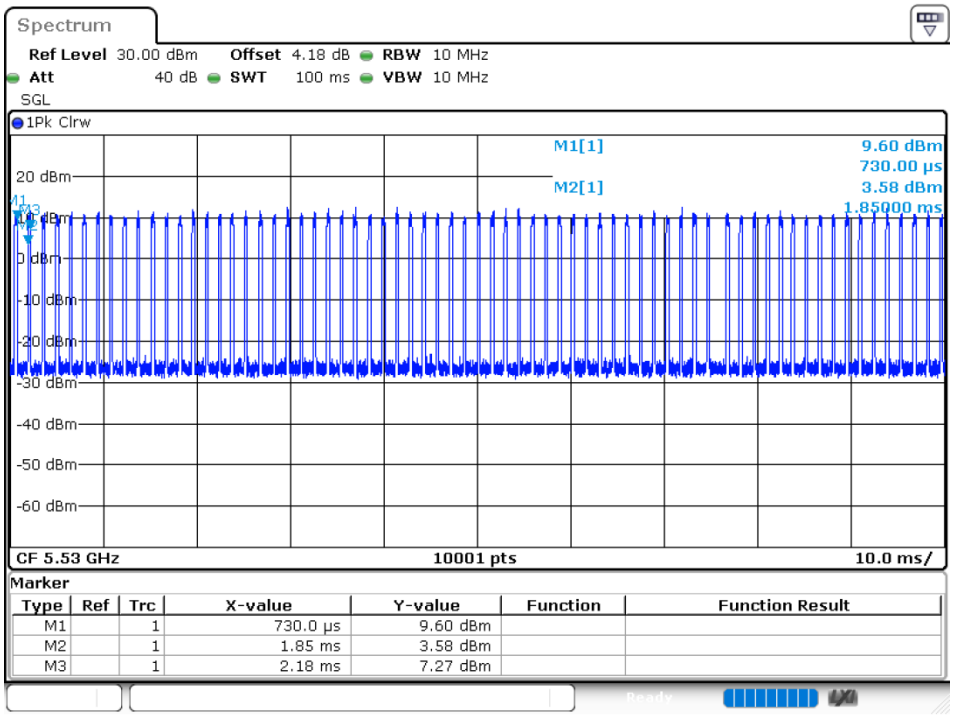
Duty Cycle NVNT ac80 5530MHz Ant1



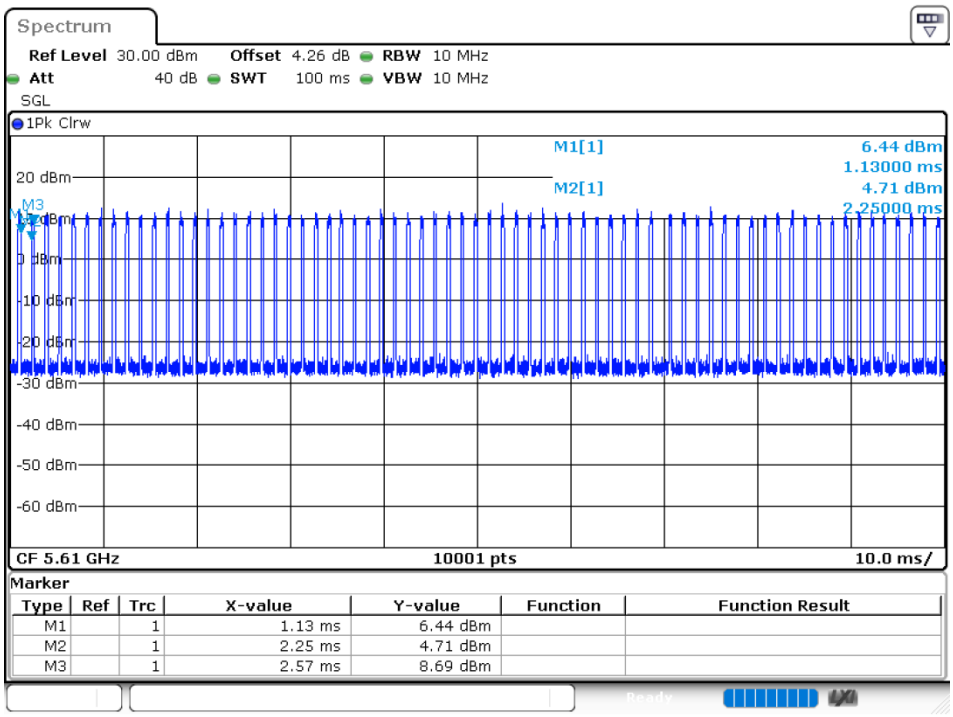
Duty Cycle NVNT ac80 5610MHz Ant1



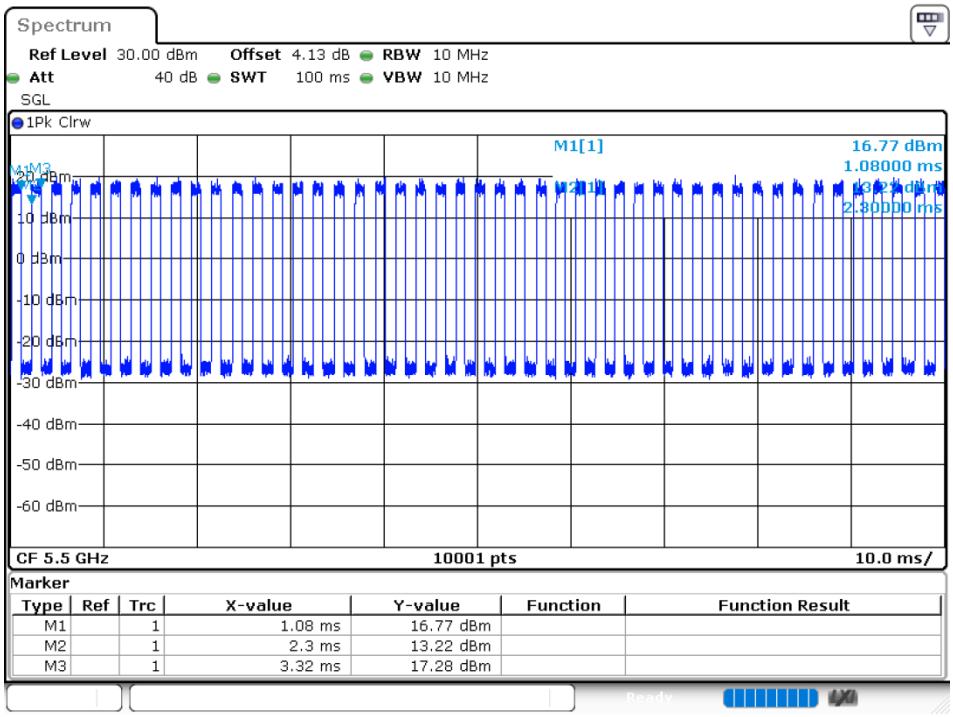
Duty Cycle NVNT ac80 5530MHz Ant2



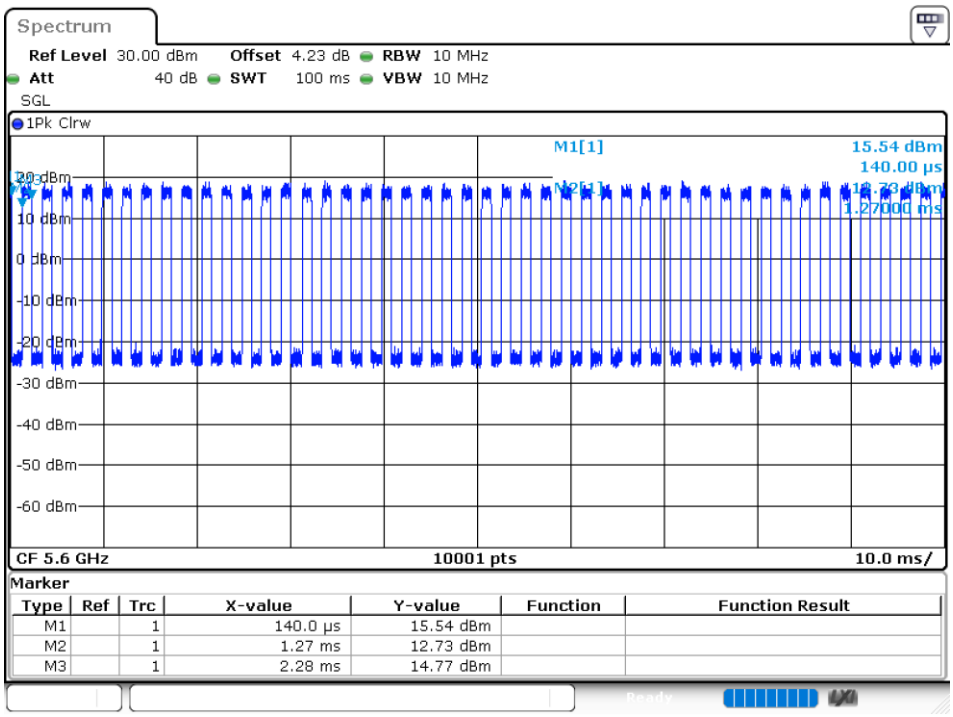
Duty Cycle NVNT ac80 5610MHz Ant2



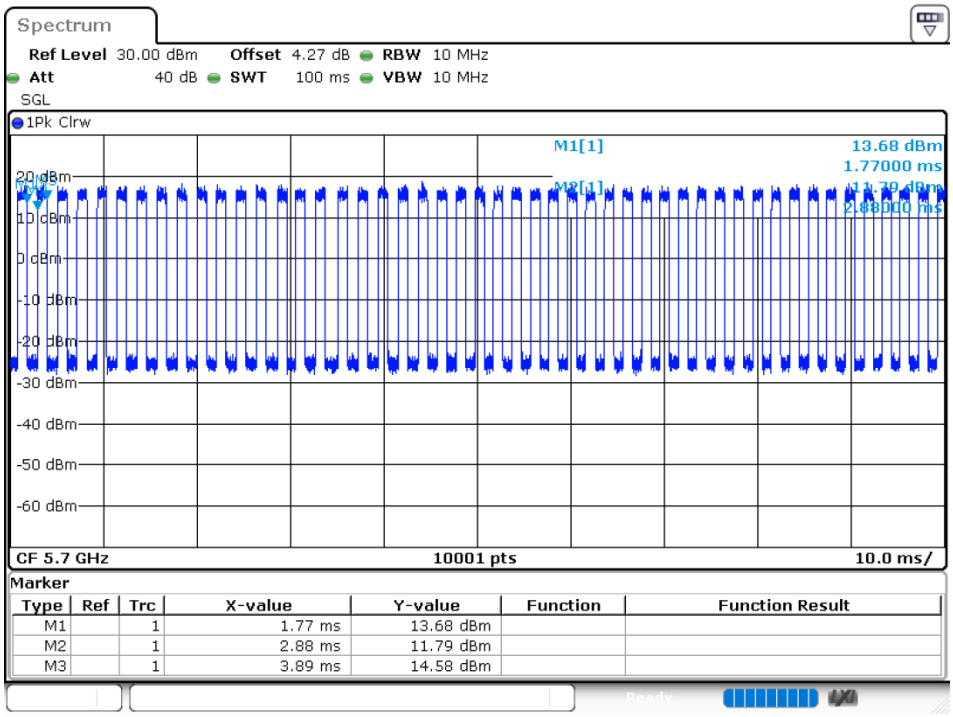
Duty Cycle NVNT ax20 5500MHz Ant1



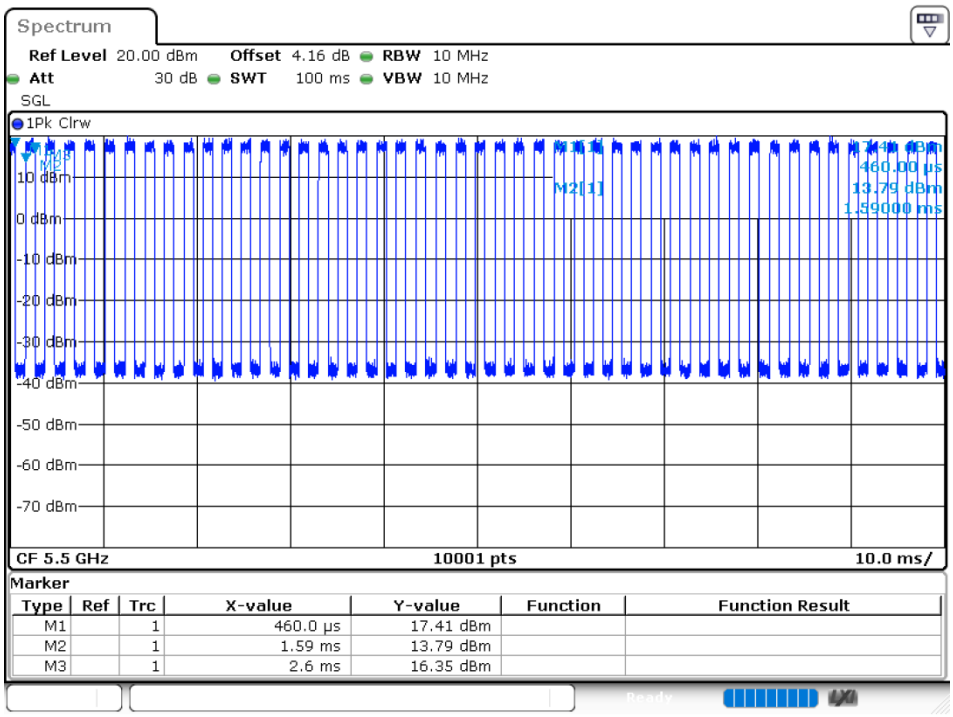
Duty Cycle NVNT ax20 5600MHz Ant1



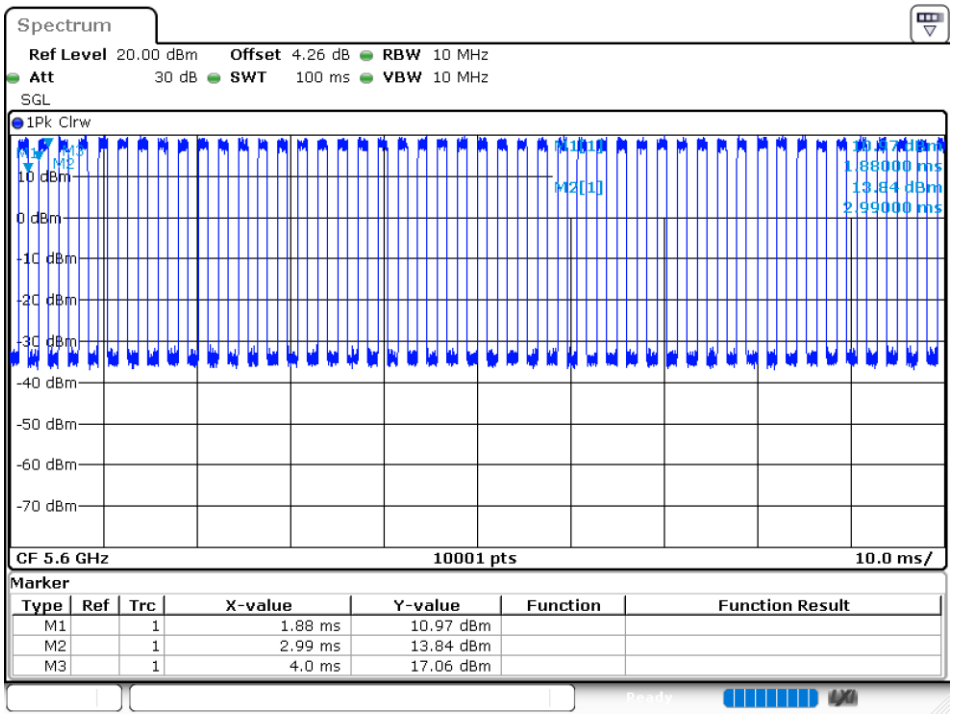
Duty Cycle NVNT ax20 5700MHz Ant1



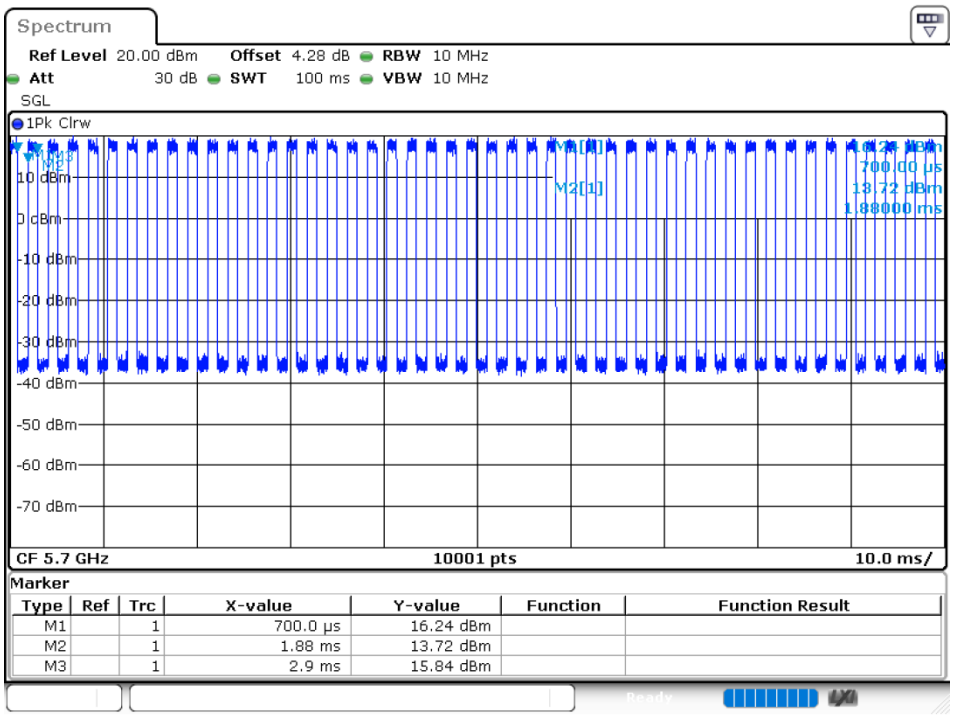
Duty Cycle NVNT ax20 5500MHz Ant2



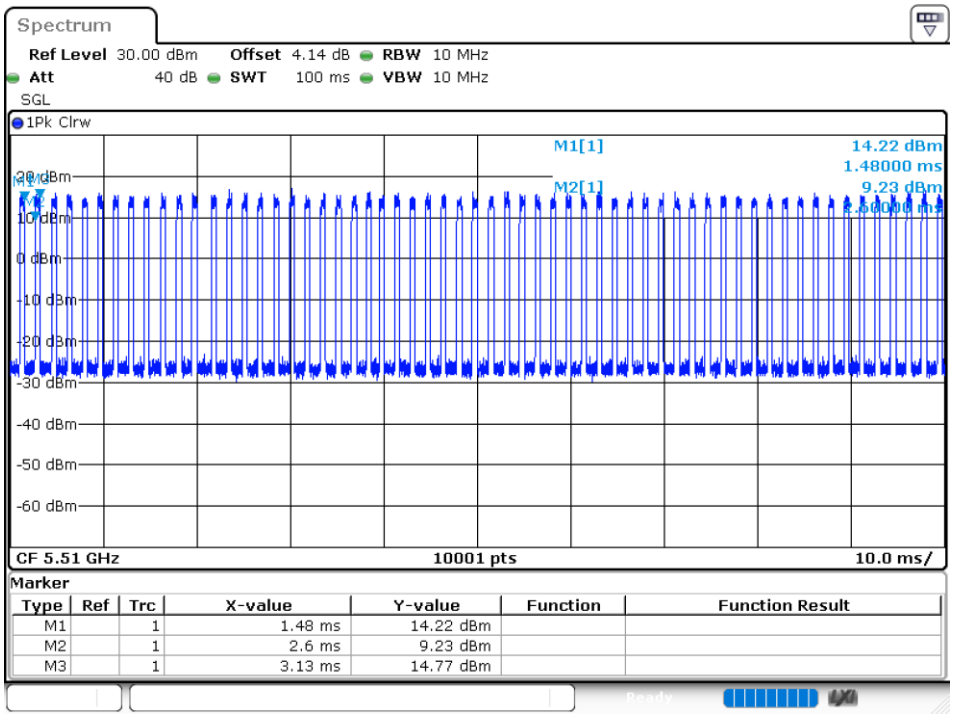
Duty Cycle NVNT ax20 5600MHz Ant2



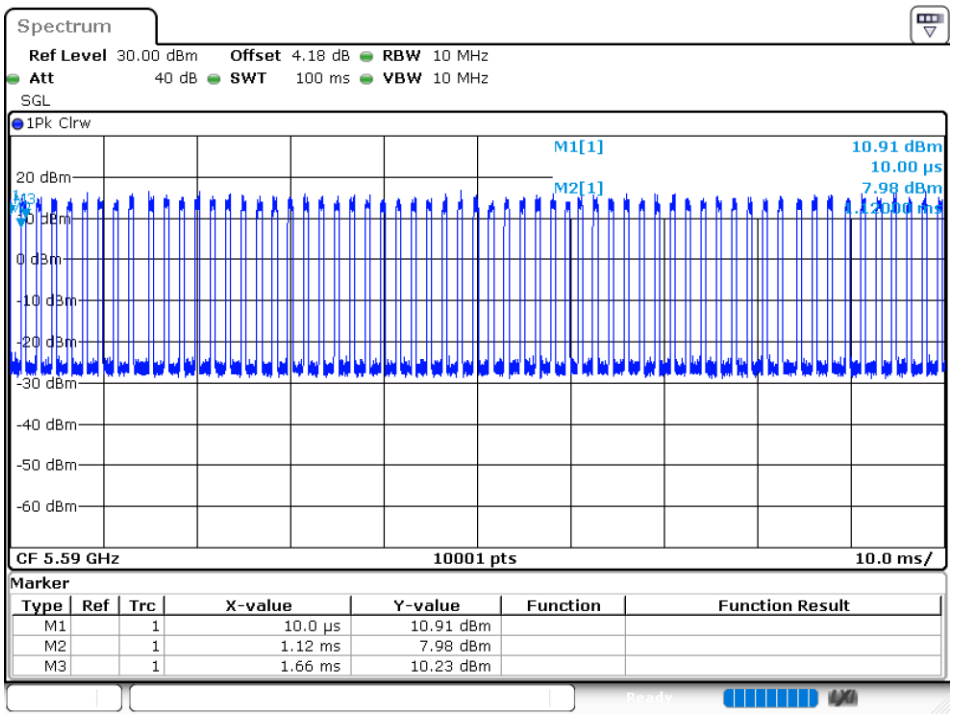
Duty Cycle NVNT ax20 5700MHz Ant2



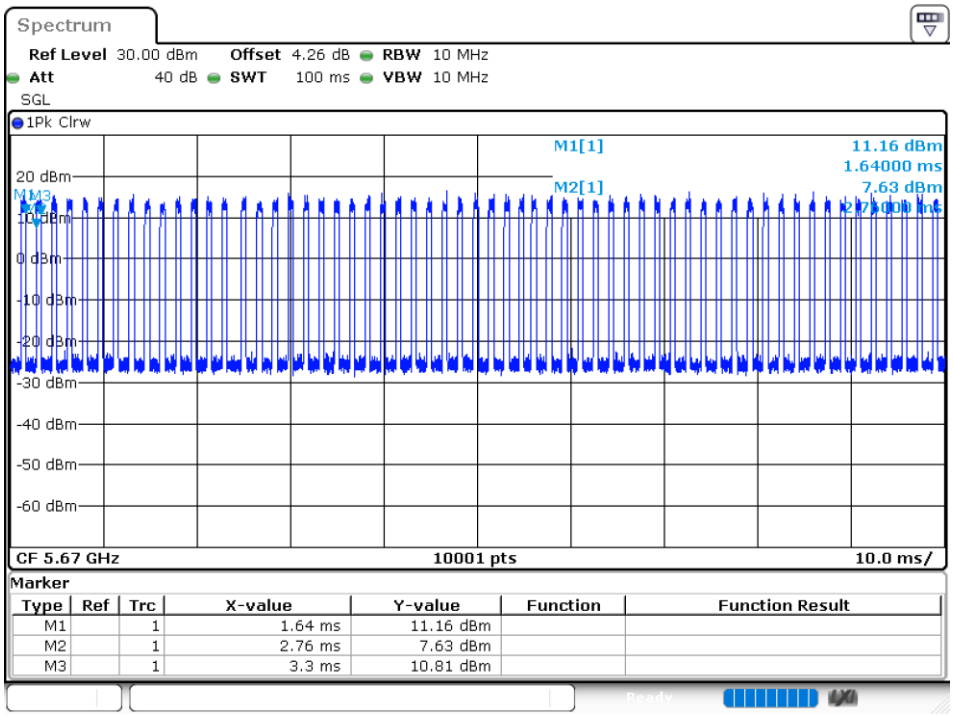
Duty Cycle NVNT ax40 5510MHz Ant1



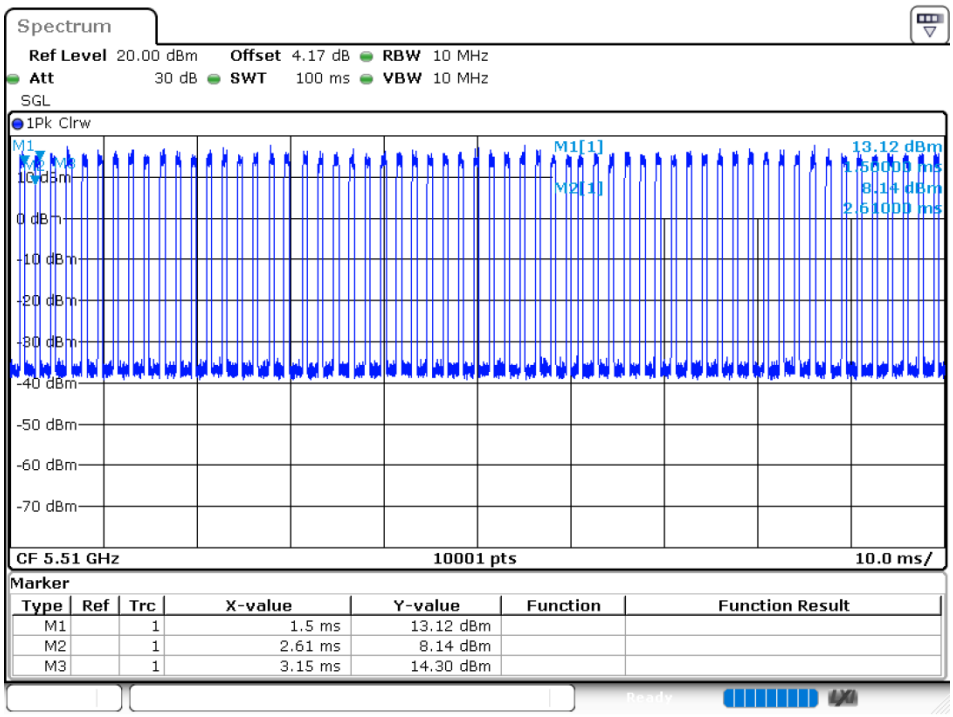
Duty Cycle NVNT ax40 5590MHz Ant1



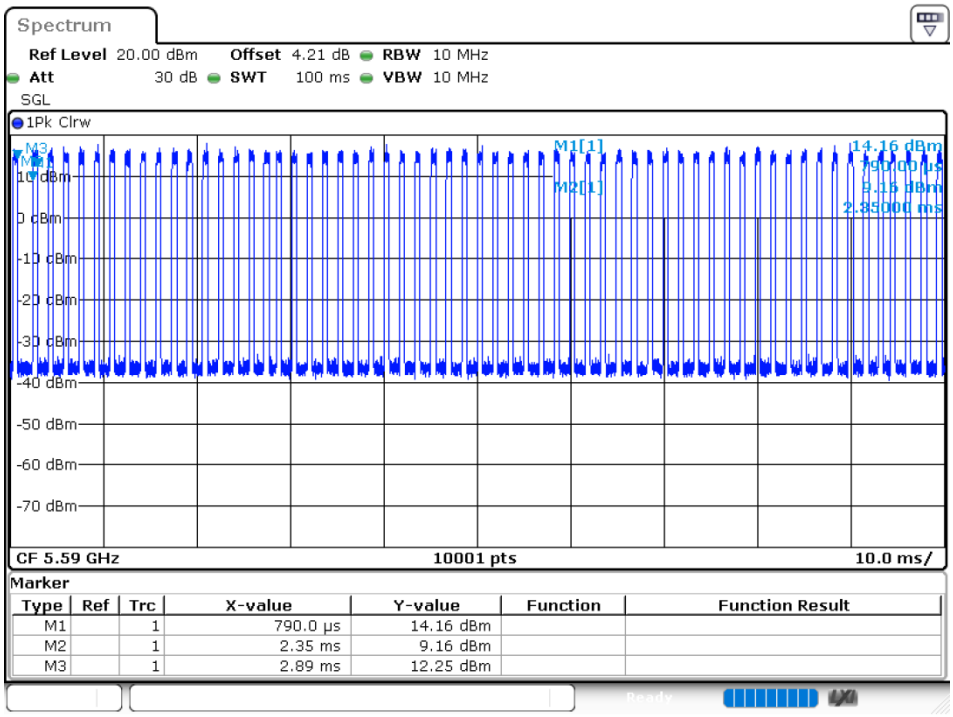
Duty Cycle NVNT ax40 5670MHz Ant1



Duty Cycle NVNT ax40 5510MHz Ant2



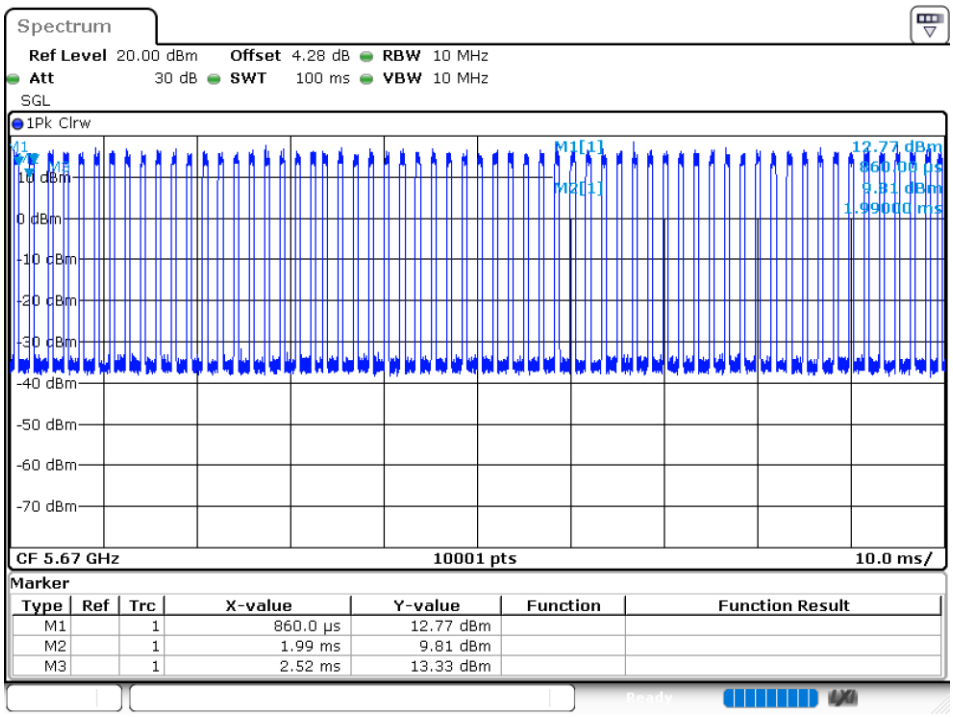
Duty Cycle NVNT ax40 5590MHz Ant2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	790.0 µs	14.16 dBm		
M2		1	2.35 ms	9.16 dBm		
M3		1	2.89 ms	12.25 dBm		

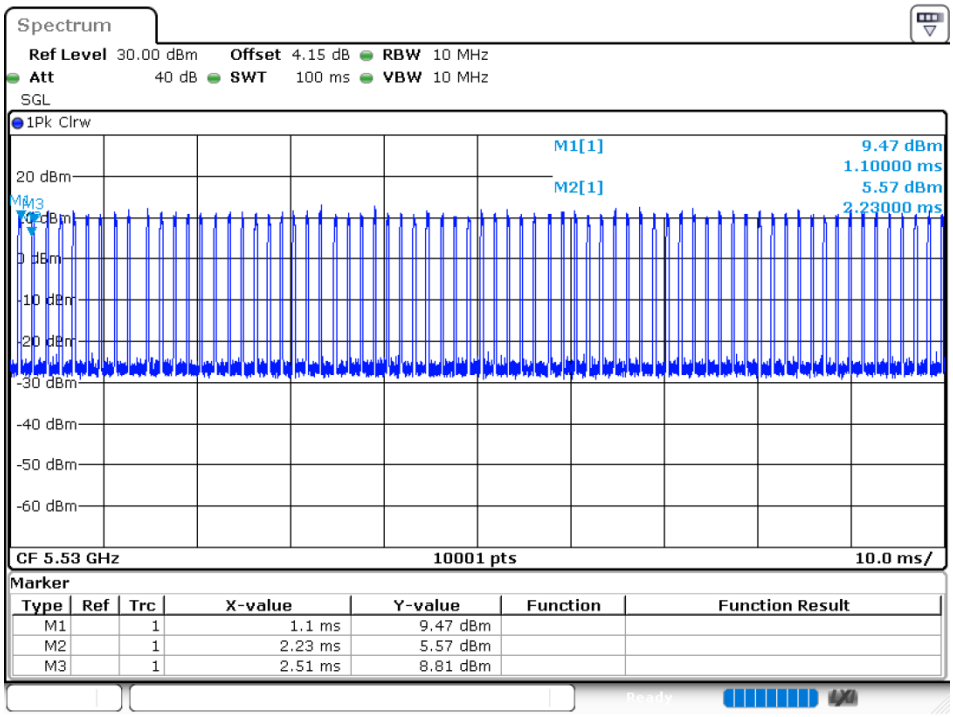
Duty Cycle NVNT ax40 5670MHz Ant2



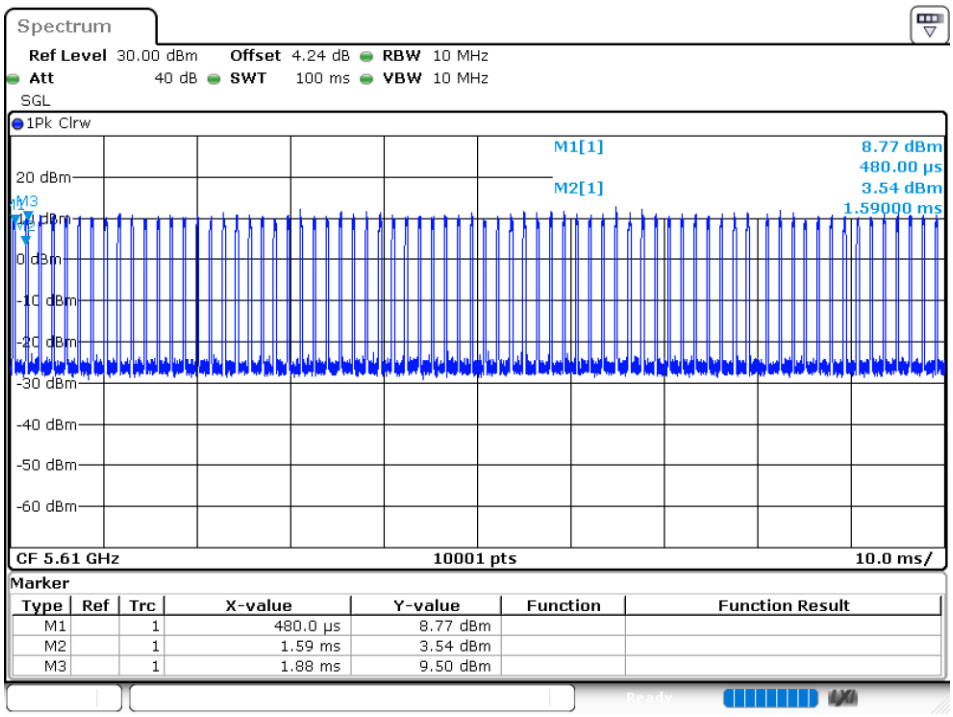
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	860.0 µs	12.77 dBm		
M2		1	1.99 ms	9.81 dBm		
M3		1	2.52 ms	13.33 dBm		

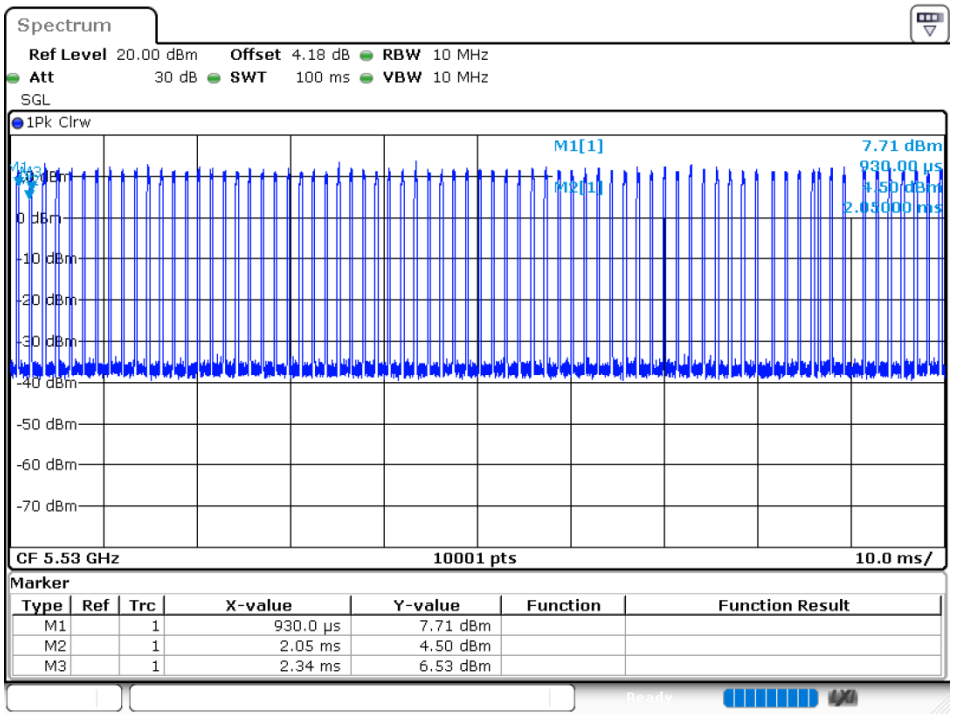
Duty Cycle NVNT ax80 5530MHz Ant1



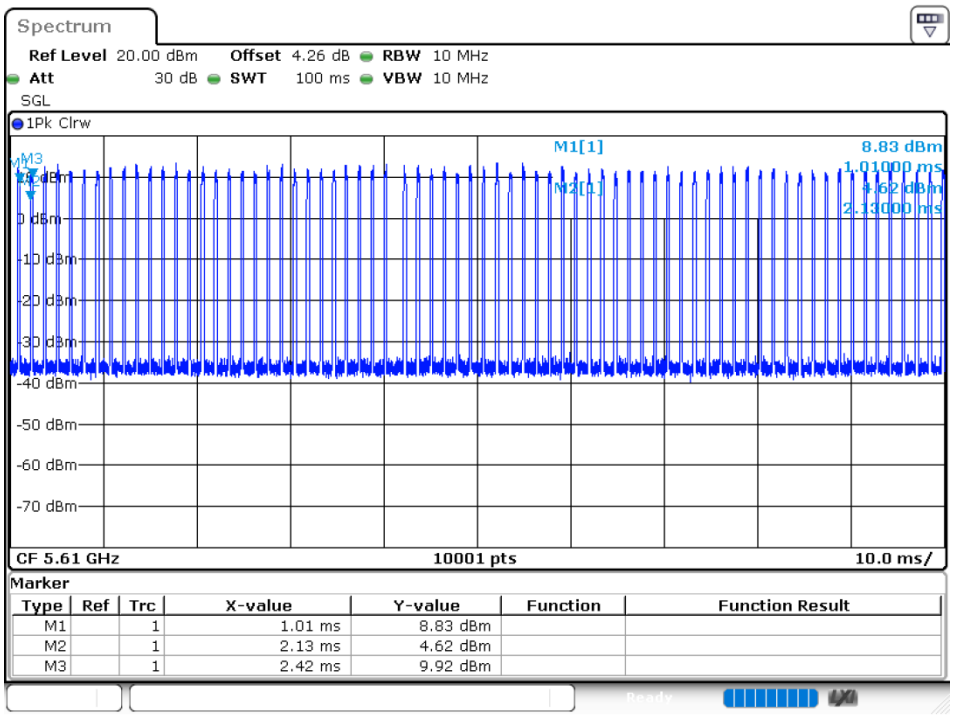
Duty Cycle NVNT ax80 5610MHz Ant1



Duty Cycle NVNT ax80 5530MHz Ant2



Duty Cycle NVNT ax80 5610MHz Ant2



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	12.65	24	Pass
NVNT	a	5600	Ant1	11.91	24	Pass
NVNT	a	5700	Ant1	11.64	24	Pass
NVNT	a	5500	Ant2	13.28	24	Pass
NVNT	a	5600	Ant2	13.44	24	Pass
NVNT	a	5700	Ant2	13.24	24	Pass
NVNT	n20	5500	Ant1	12.26	24	Pass
NVNT	n20	5600	Ant1	11.6	24	Pass
NVNT	n20	5700	Ant1	11.51	24	Pass
NVNT	n20	5500	Ant2	13.23	24	Pass
NVNT	n20	5600	Ant2	13.41	24	Pass
NVNT	n20	5700	Ant2	13.01	24	Pass
NVNT	n40	5510	Ant1	11.61	24	Pass
NVNT	n40	5590	Ant1	10.82	24	Pass
NVNT	n40	5670	Ant1	10.88	24	Pass
NVNT	n40	5510	Ant2	12.33	24	Pass
NVNT	n40	5590	Ant2	12.44	24	Pass
NVNT	n40	5670	Ant2	12.39	24	Pass
NVNT	ac20	5500	Ant1	12.27	24	Pass
NVNT	ac20	5600	Ant1	11.71	24	Pass
NVNT	ac20	5700	Ant1	11.72	24	Pass
NVNT	ac20	5500	Ant2	13.18	24	Pass
NVNT	ac20	5600	Ant2	13.31	24	Pass
NVNT	ac20	5700	Ant2	13.22	24	Pass
NVNT	ac40	5510	Ant1	11.57	24	Pass
NVNT	ac40	5590	Ant1	11.04	24	Pass
NVNT	ac40	5670	Ant1	10.64	24	Pass
NVNT	ac40	5510	Ant2	12.51	24	Pass
NVNT	ac40	5590	Ant2	12.58	24	Pass
NVNT	ac40	5670	Ant2	12.62	24	Pass
NVNT	ac80	5530	Ant1	11.27	24	Pass
NVNT	ac80	5610	Ant1	10.61	24	Pass
NVNT	ac80	5530	Ant2	12.21	24	Pass
NVNT	ac80	5610	Ant2	12.39	24	Pass
NVNT	ax20	5500	Ant1	12.31	24	Pass
NVNT	ax20	5600	Ant1	11.71	24	Pass
NVNT	ax20	5700	Ant1	11.67	24	Pass
NVNT	ax20	5500	Ant2	13.5	24	Pass
NVNT	ax20	5600	Ant2	13.66	24	Pass
NVNT	ax20	5700	Ant2	13.46	24	Pass

NVNT	ax40	5510	Ant1	11.64	24	Pass
NVNT	ax40	5590	Ant1	11.35	24	Pass
NVNT	ax40	5670	Ant1	11.12	24	Pass
NVNT	ax40	5510	Ant2	12.65	24	Pass
NVNT	ax40	5590	Ant2	13.09	24	Pass
NVNT	ax40	5670	Ant2	12.73	24	Pass
NVNT	ax80	5530	Ant1	11.73	24	Pass
NVNT	ax80	5610	Ant1	10.88	24	Pass
NVNT	ax80	5530	Ant2	12.67	24	Pass
NVNT	ax80	5610	Ant2	12.65	24	Pass

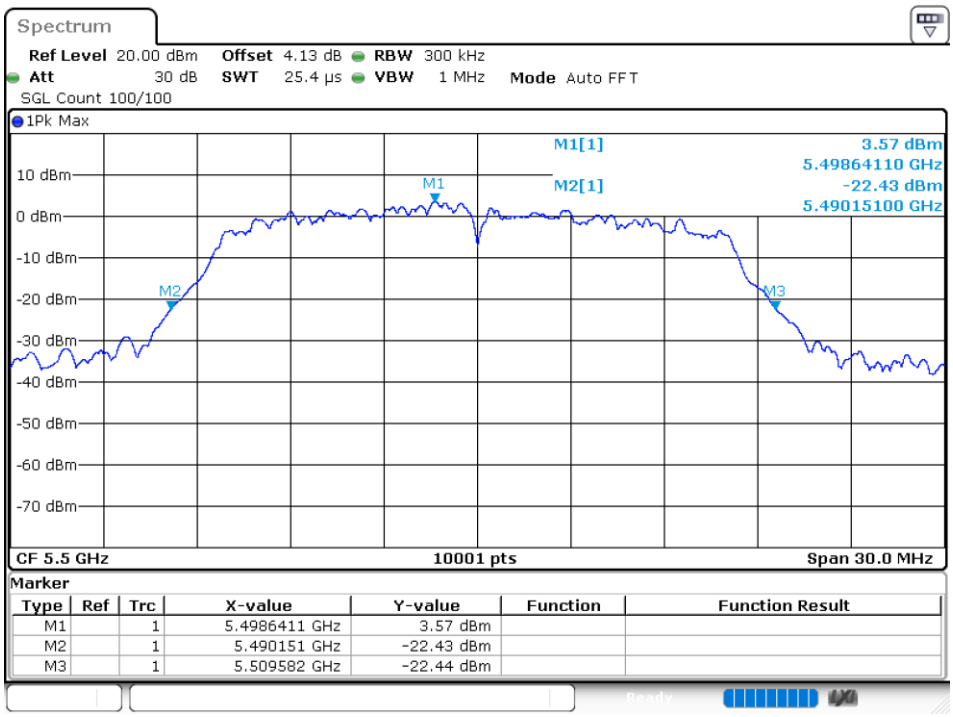
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	19.431	Pass
NVNT	a	5600	Ant1	19.707	Pass
NVNT	a	5700	Ant1	19.476	Pass
NVNT	a	5500	Ant2	19.218	Pass
NVNT	a	5600	Ant2	19.569	Pass
NVNT	a	5700	Ant2	19.374	Pass
NVNT	n20	5500	Ant1	19.614	Pass
NVNT	n20	5600	Ant1	19.197	Pass
NVNT	n20	5700	Ant1	19.566	Pass
NVNT	n20	5500	Ant2	20.685	Pass
NVNT	n20	5600	Ant2	19.935	Pass
NVNT	n20	5700	Ant2	20.028	Pass
NVNT	n40	5510	Ant1	40.734	Pass
NVNT	n40	5590	Ant1	41.028	Pass
NVNT	n40	5670	Ant1	40.536	Pass
NVNT	n40	5510	Ant2	41.784	Pass
NVNT	n40	5590	Ant2	41.058	Pass
NVNT	n40	5670	Ant2	41.988	Pass
NVNT	ac20	5500	Ant1	19.989	Pass
NVNT	ac20	5600	Ant1	19.974	Pass
NVNT	ac20	5700	Ant1	19.977	Pass
NVNT	ac20	5500	Ant2	19.791	Pass
NVNT	ac20	5600	Ant2	19.767	Pass
NVNT	ac20	5700	Ant2	20.079	Pass
NVNT	ac40	5510	Ant1	40.728	Pass
NVNT	ac40	5590	Ant1	40.644	Pass
NVNT	ac40	5670	Ant1	40.524	Pass
NVNT	ac40	5510	Ant2	40.554	Pass
NVNT	ac40	5590	Ant2	40.518	Pass
NVNT	ac40	5670	Ant2	40.434	Pass
NVNT	ac80	5530	Ant1	92.268	Pass
NVNT	ac80	5610	Ant1	80.604	Pass
NVNT	ac80	5530	Ant2	88.452	Pass
NVNT	ac80	5610	Ant2	85.416	Pass
NVNT	ax20	5500	Ant1	19.857	Pass
NVNT	ax20	5600	Ant1	19.842	Pass
NVNT	ax20	5700	Ant1	19.803	Pass
NVNT	ax20	5500	Ant2	19.899	Pass
NVNT	ax20	5600	Ant2	19.818	Pass
NVNT	ax20	5700	Ant2	19.827	Pass
NVNT	ax40	5510	Ant1	39.444	Pass

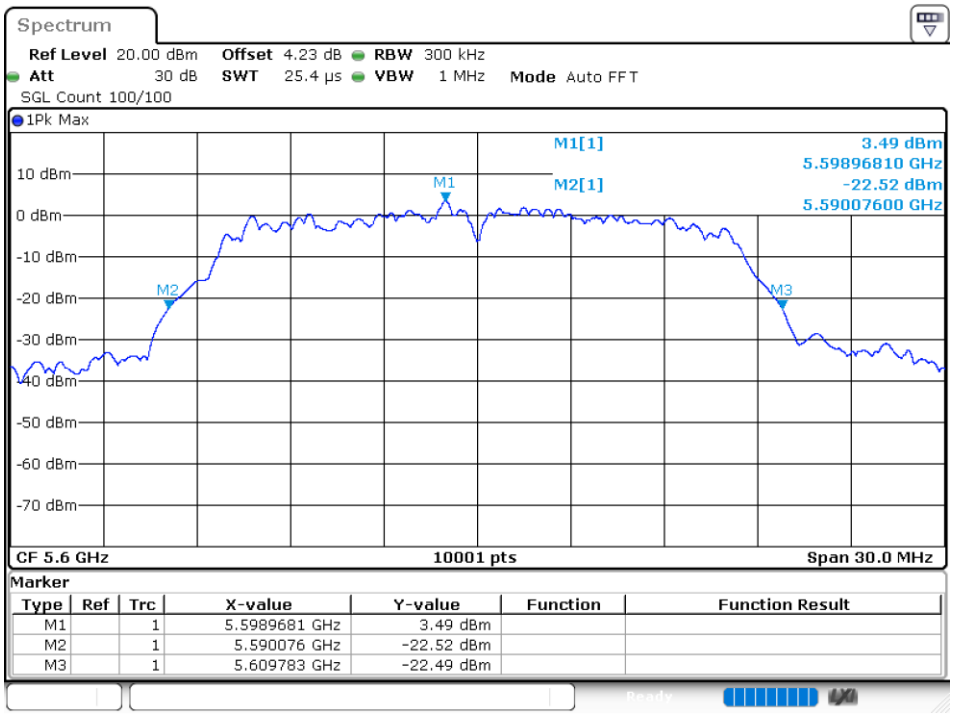
NVNT	ax40	5590	Ant1	39.702	Pass
NVNT	ax40	5670	Ant1	39.528	Pass
NVNT	ax40	5510	Ant2	39.57	Pass
NVNT	ax40	5590	Ant2	39.672	Pass
NVNT	ax40	5670	Ant2	39.48	Pass
NVNT	ax80	5530	Ant1	80.664	Pass
NVNT	ax80	5610	Ant1	80.412	Pass
NVNT	ax80	5530	Ant2	80.472	Pass
NVNT	ax80	5610	Ant2	80.208	Pass

Test Graphs

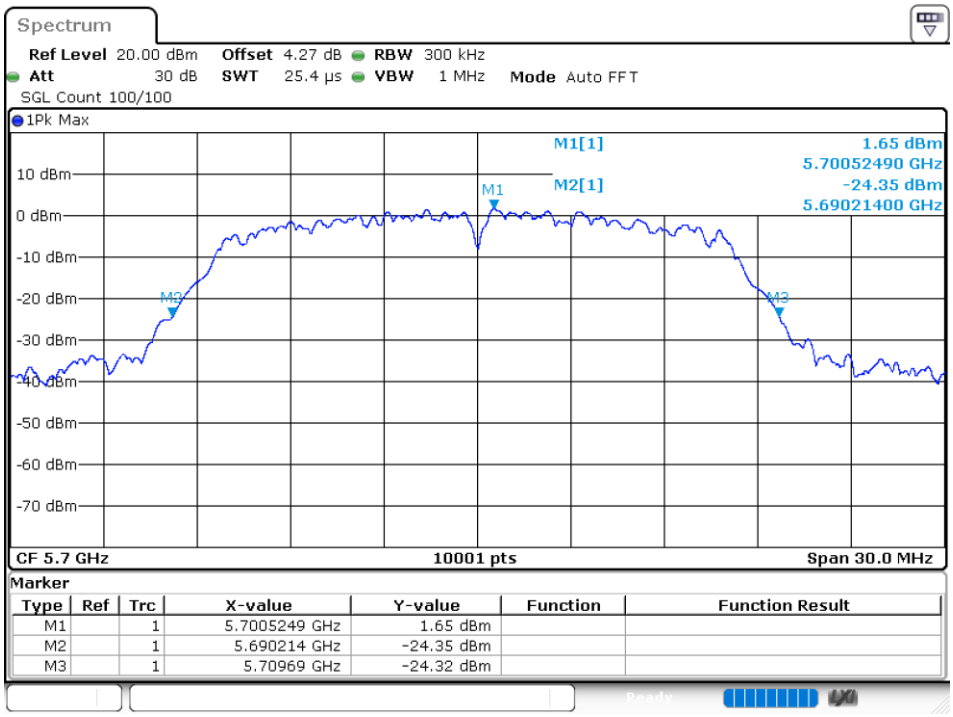
-26dB Bandwidth NVNT a 5500MHz Ant1



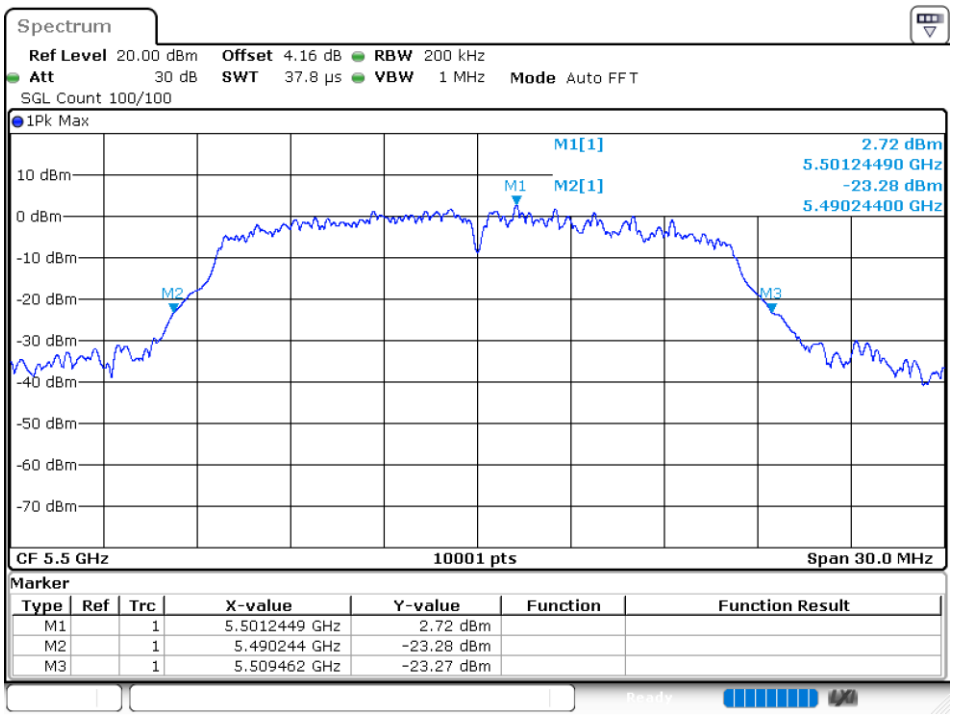
-26dB Bandwidth NVNT a 5600MHz Ant1



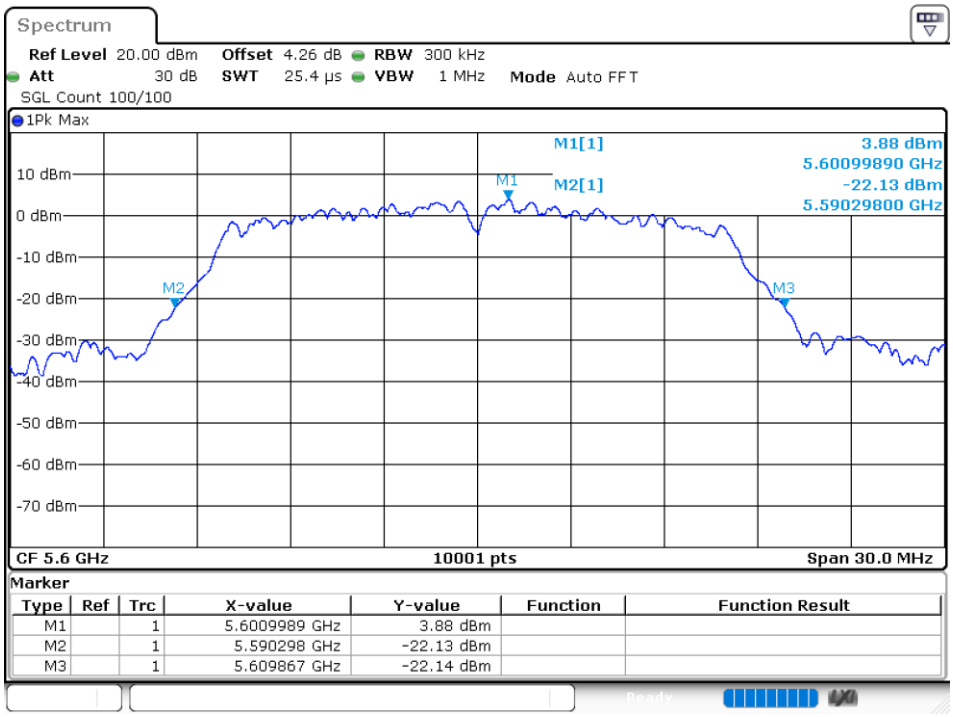
-26dB Bandwidth NVNT a 5700MHz Ant1



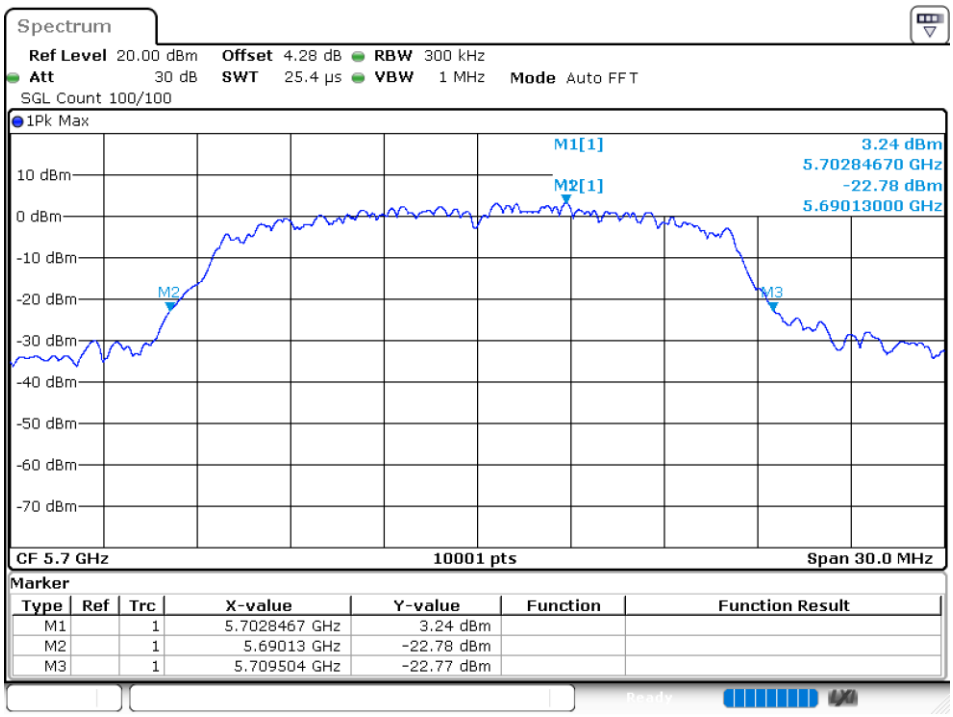
-26dB Bandwidth NVNT a 5500MHz Ant2



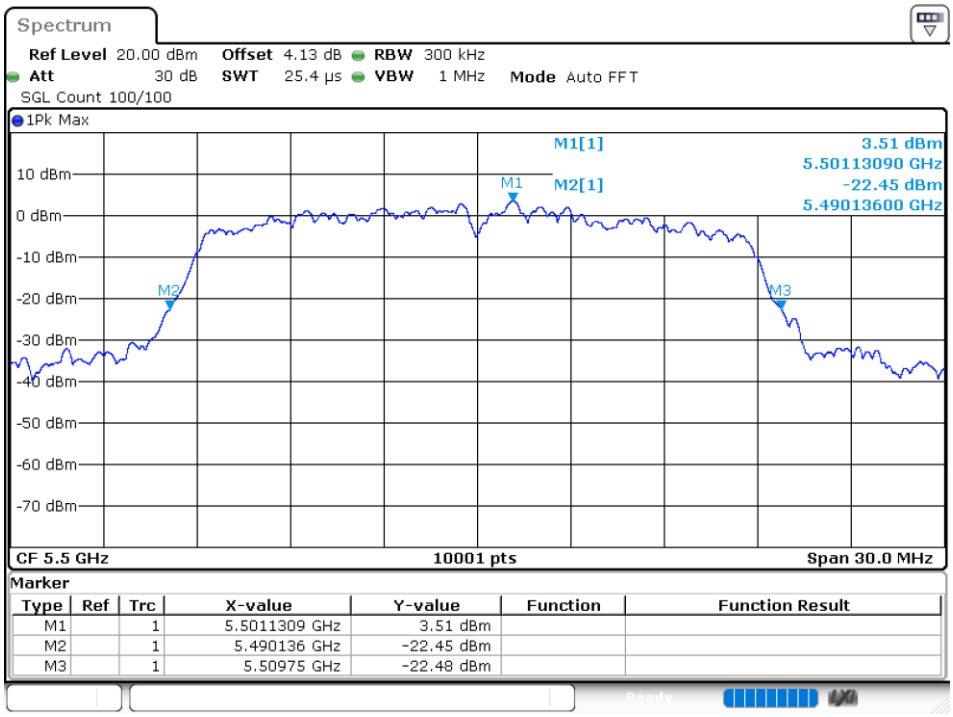
-26dB Bandwidth NVNT a 5600MHz Ant2



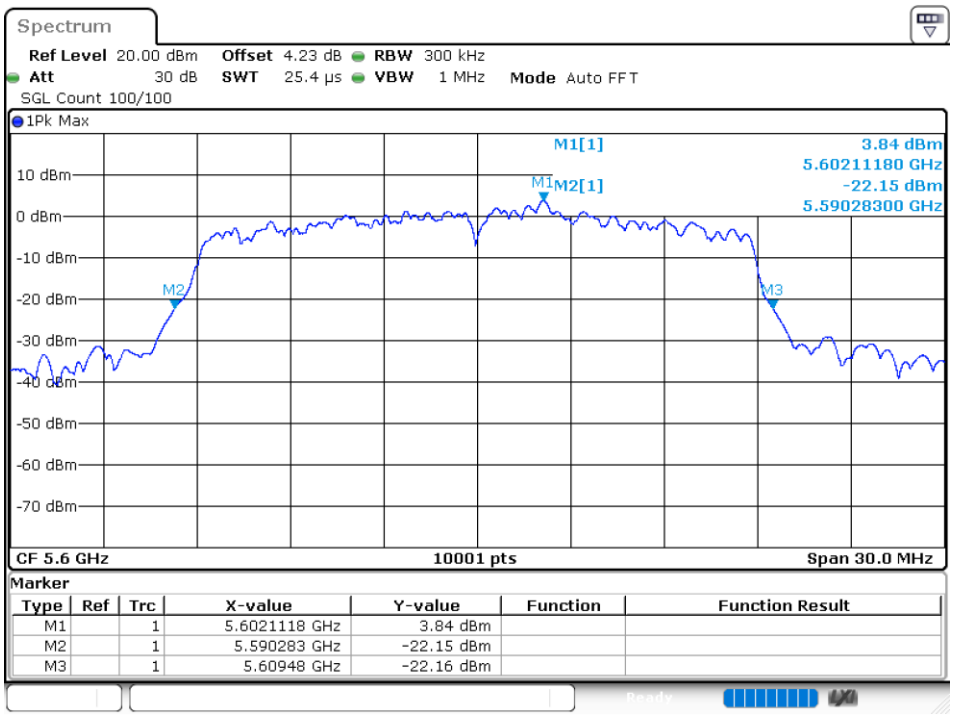
-26dB Bandwidth NVNT a 5700MHz Ant2



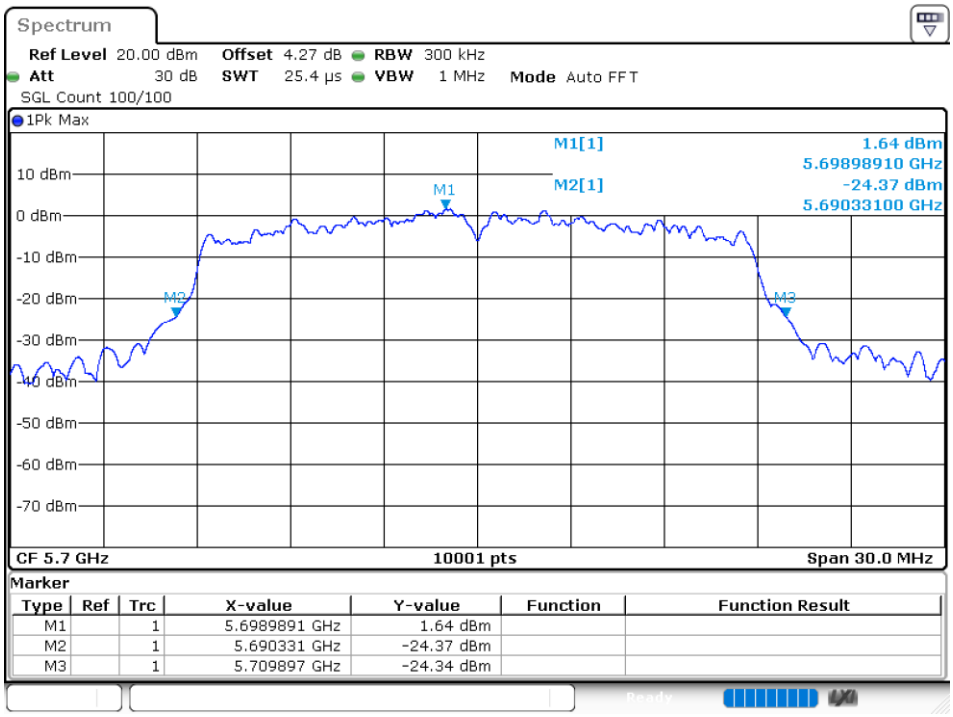
-26dB Bandwidth NVNT n20 5500MHz Ant1



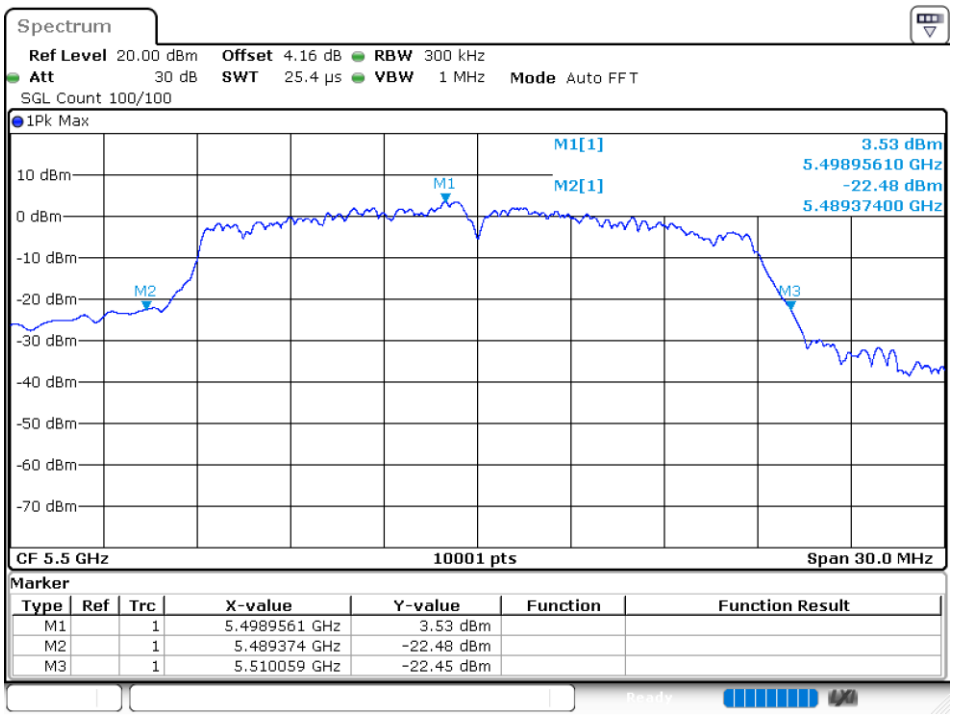
-26dB Bandwidth NVNT n20 5600MHz Ant1



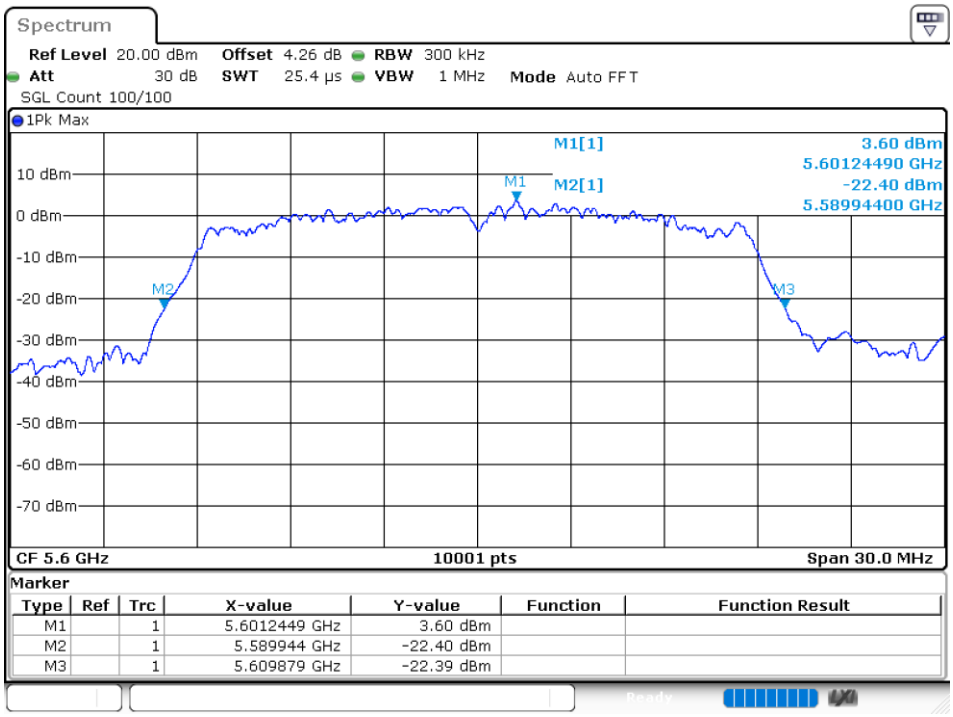
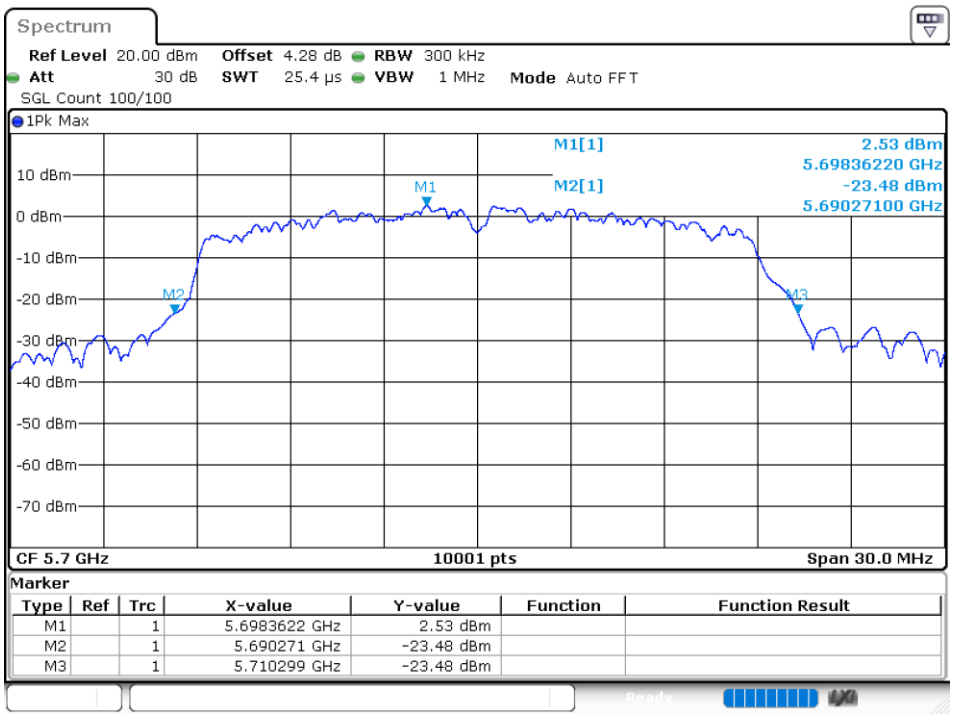
-26dB Bandwidth NVNT n20 5700MHz Ant1



-26dB Bandwidth NVNT n20 5500MHz Ant2



-26dB Bandwidth NVNT n20 5600MHz Ant2



-26dB Bandwidth NVNT n20 5700MHz Ant2