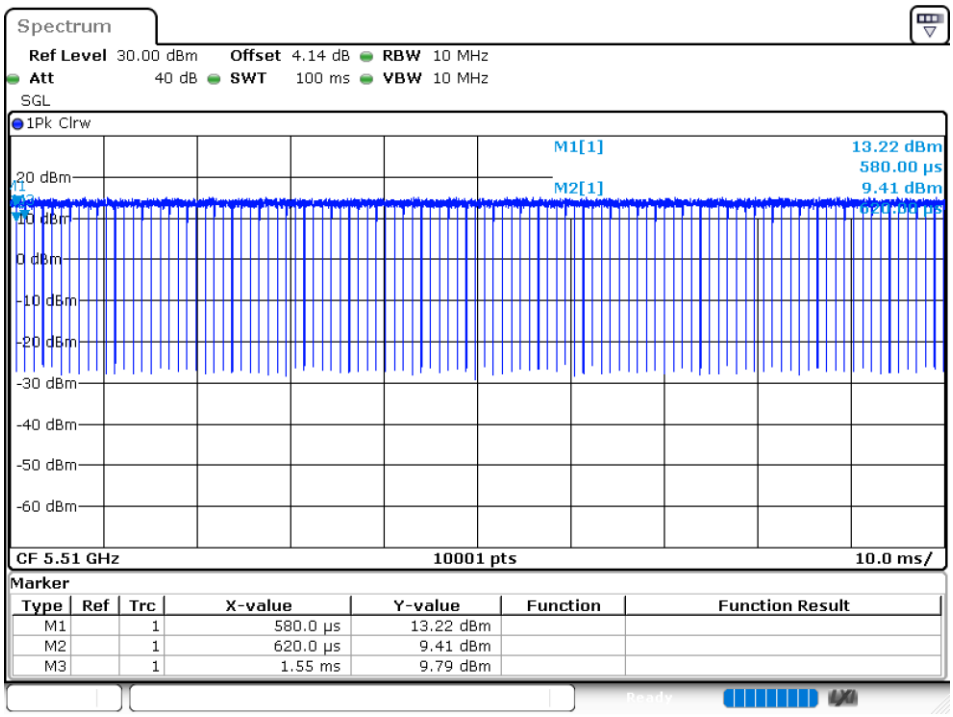
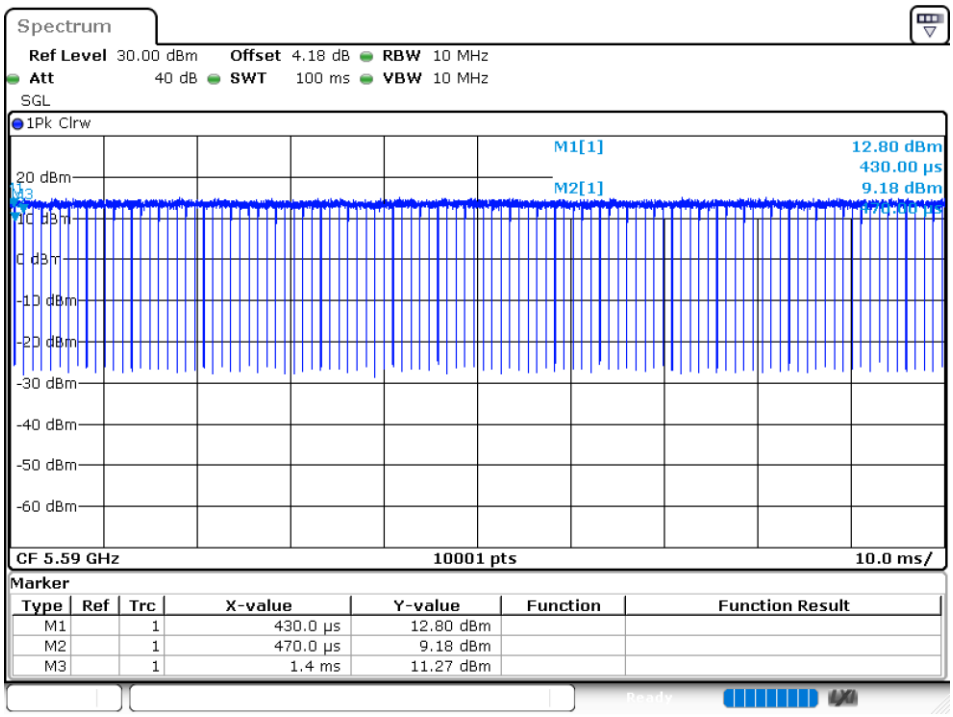
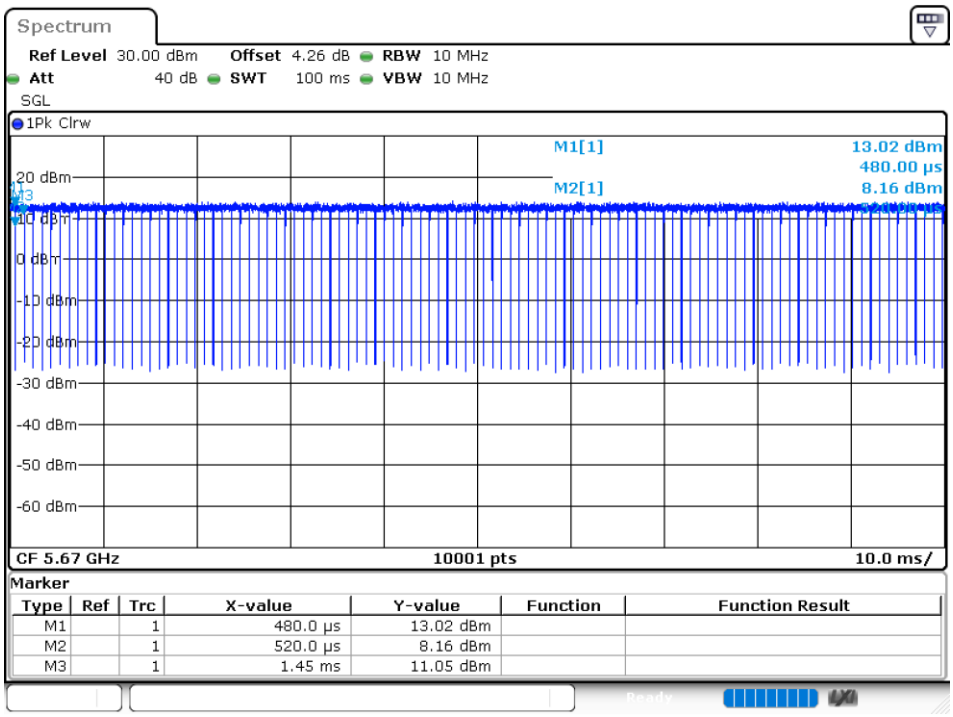
Duty Cycle NVNT n40 5510MHz Ant1



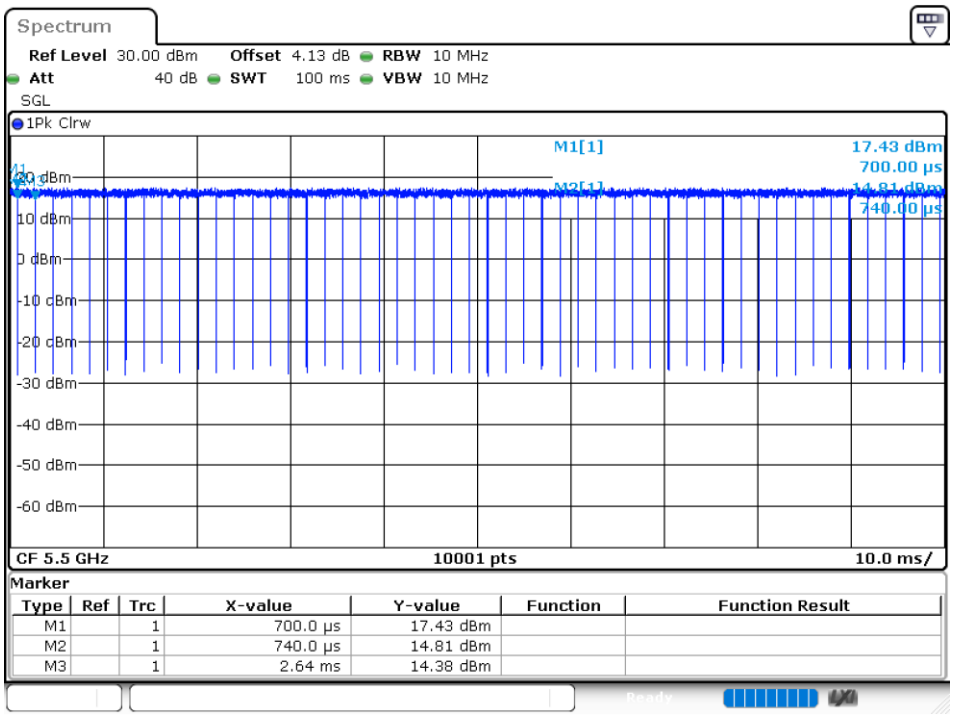
Duty Cycle NVNT n40 5590MHz Ant1



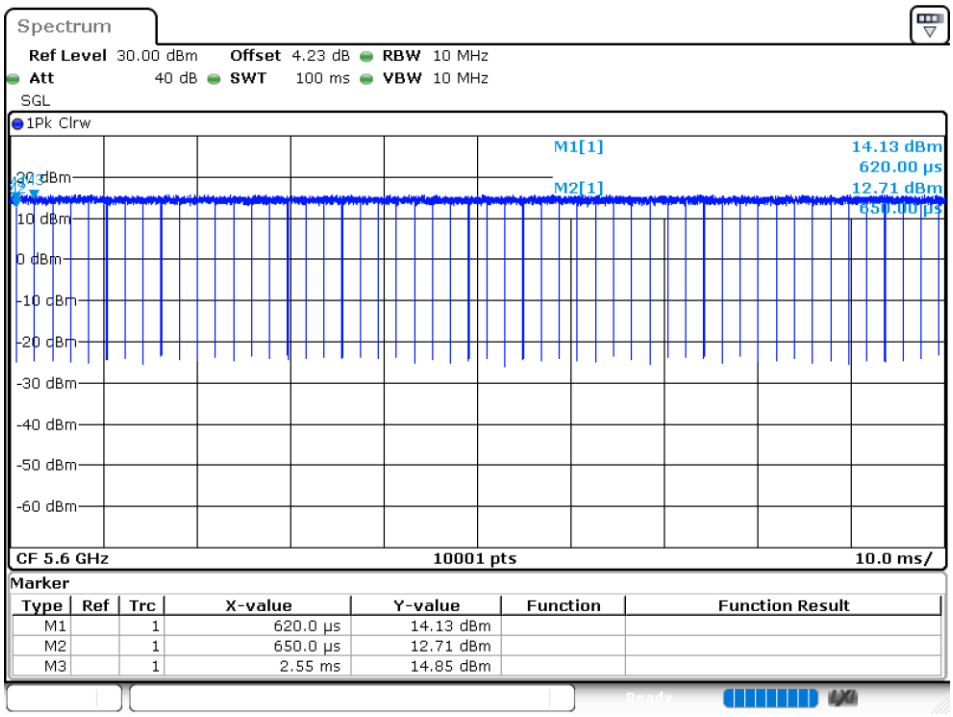
Duty Cycle NVNT n40 5670MHz Ant1



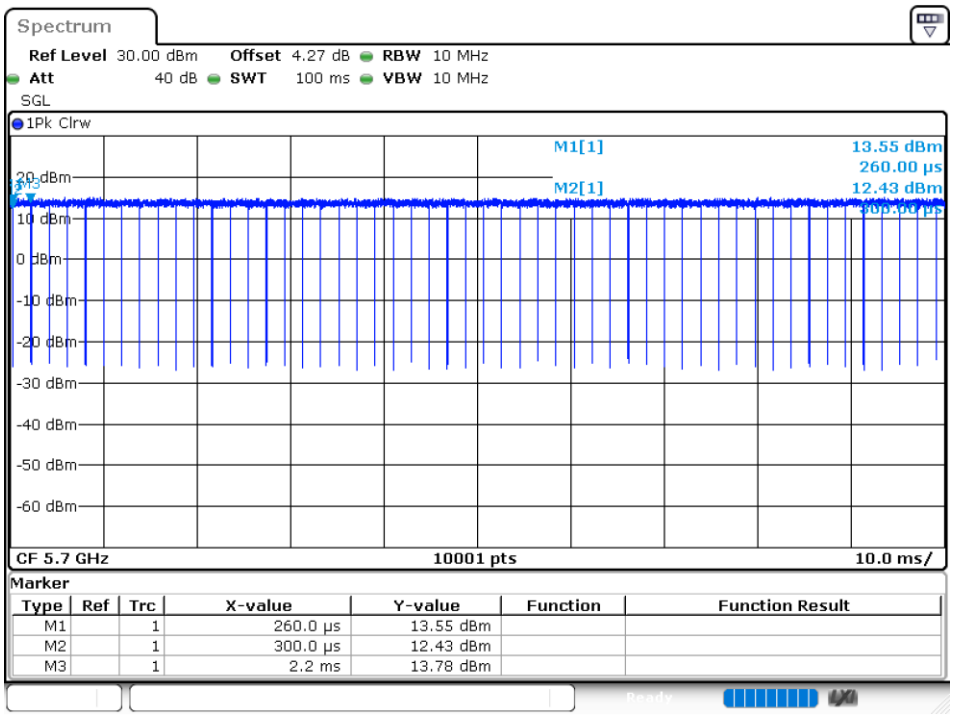
Duty Cycle NVNT ac20 5500MHz Ant1



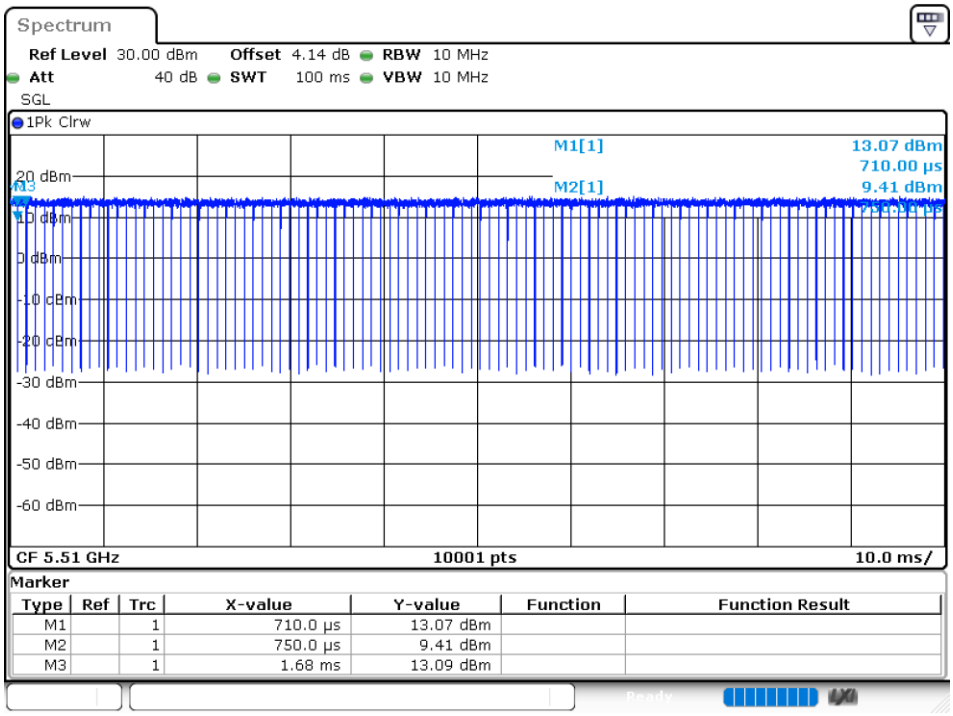
Duty Cycle NVNT ac20 5600MHz Ant1



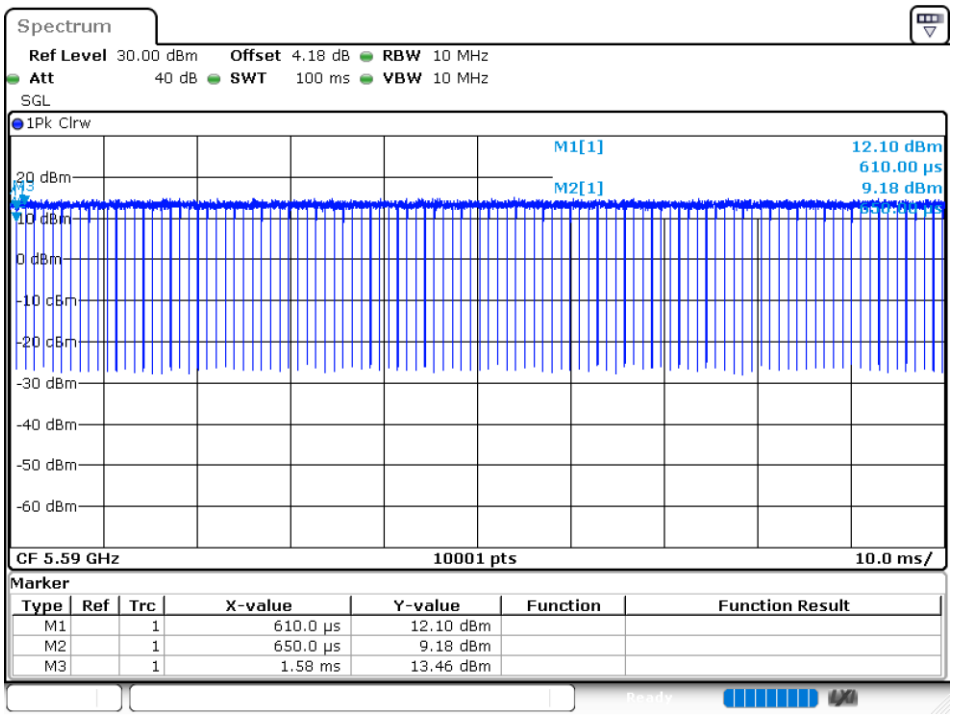
Duty Cycle NVNT ac20 5700MHz Ant1



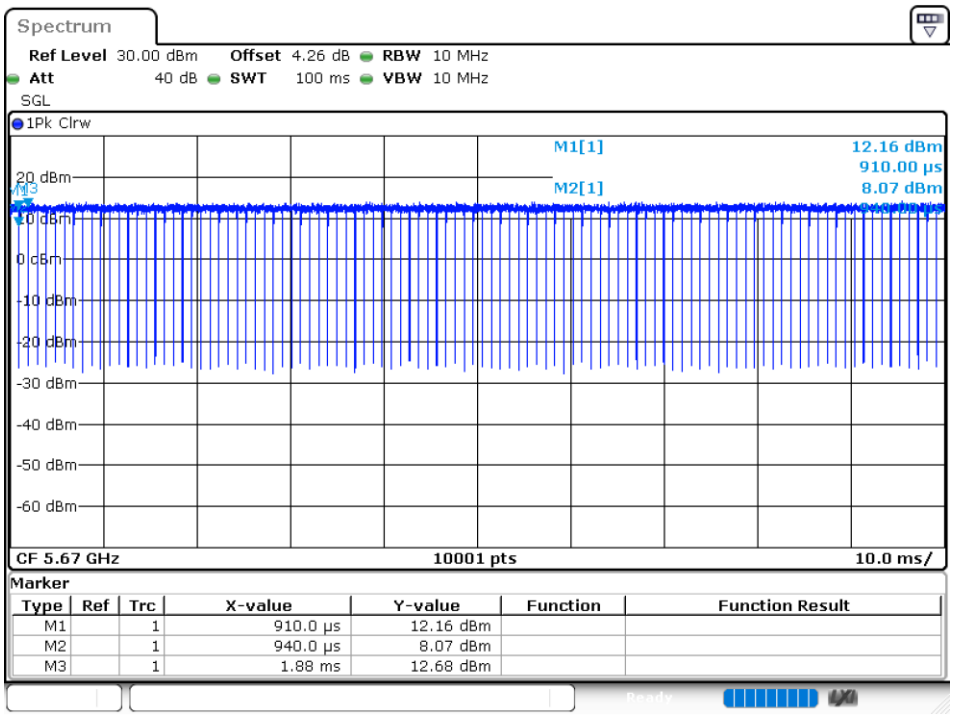
Duty Cycle NVNT ac40 5510MHz Ant1



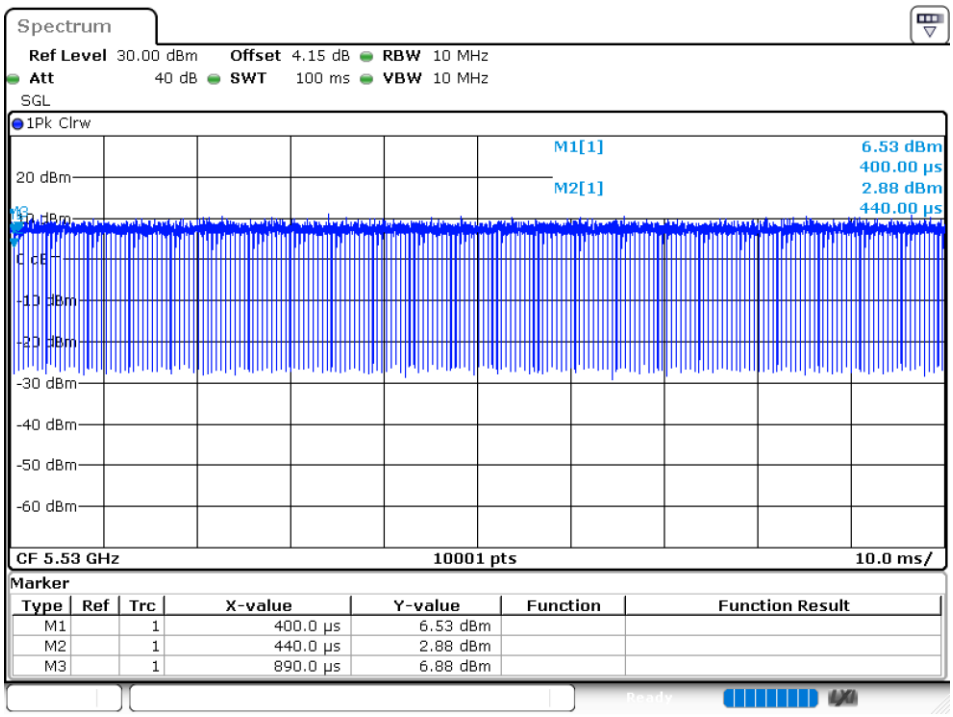
Duty Cycle NVNT ac40 5590MHz Ant1



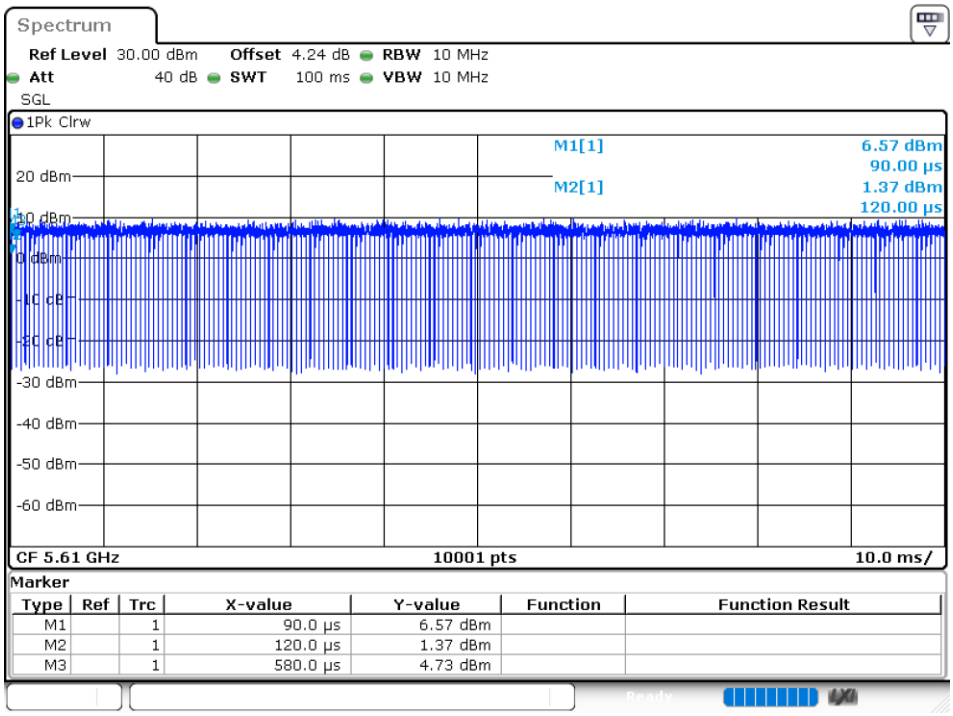
Duty Cycle NVNT ac40 5670MHz Ant1



Duty Cycle NVNT ac80 5530MHz Ant1



Duty Cycle NVNT ac80 5610MHz Ant1



Maximum Conducted Output Power

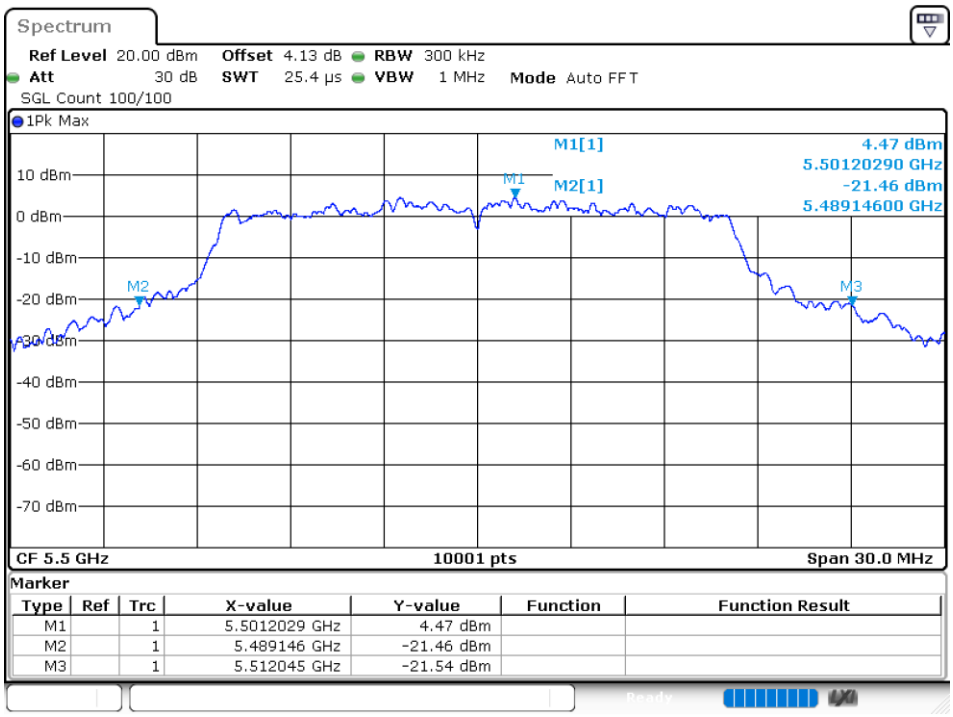
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	14.09	24	Pass
NVNT	a	5600	Ant1	12.66	24	Pass
NVNT	a	5700	Ant1	12.61	24	Pass
NVNT	n20	5500	Ant1	13.98	24	Pass
NVNT	n20	5600	Ant1	12.18	24	Pass
NVNT	n20	5700	Ant1	12.46	24	Pass
NVNT	n40	5510	Ant1	13.71	24	Pass
NVNT	n40	5590	Ant1	13.25	24	Pass
NVNT	n40	5670	Ant1	12.7	24	Pass
NVNT	ac20	5500	Ant1	13.09	24	Pass
NVNT	ac20	5600	Ant1	12.39	24	Pass
NVNT	ac20	5700	Ant1	12.32	24	Pass
NVNT	ac40	5510	Ant1	13.71	24	Pass
NVNT	ac40	5590	Ant1	13.12	24	Pass
NVNT	ac40	5670	Ant1	12.88	24	Pass
NVNT	ac80	5530	Ant1	9.25	24	Pass
NVNT	ac80	5610	Ant1	8.25	24	Pass

-26dB Bandwidth

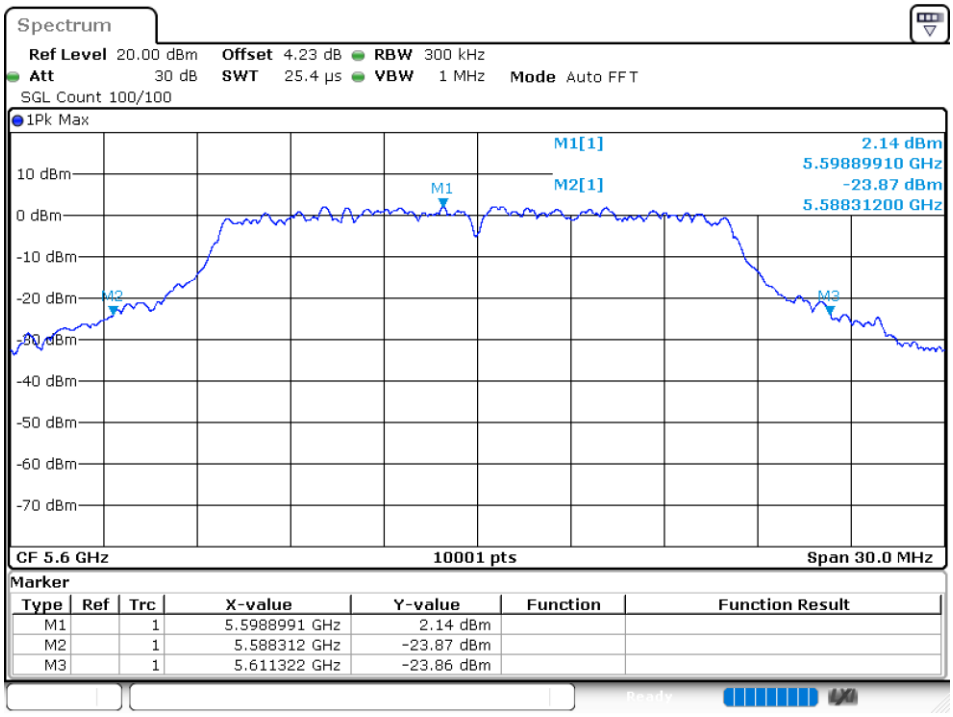
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	22.899	0.5	Pass
NVNT	a	5600	Ant1	23.01	0.5	Pass
NVNT	a	5700	Ant1	22.668	0.5	Pass
NVNT	n20	5500	Ant1	24.015	0.5	Pass
NVNT	n20	5600	Ant1	23.46	0.5	Pass
NVNT	n20	5700	Ant1	24.441	0.5	Pass
NVNT	n40	5510	Ant1	41.85	0.5	Pass
NVNT	n40	5590	Ant1	41.586	0.5	Pass
NVNT	n40	5670	Ant1	41.724	0.5	Pass
NVNT	ac20	5500	Ant1	23.346	0.5	Pass
NVNT	ac20	5600	Ant1	24.426	0.5	Pass
NVNT	ac20	5700	Ant1	24.891	0.5	Pass
NVNT	ac40	5510	Ant1	41.88	0.5	Pass
NVNT	ac40	5590	Ant1	41.574	0.5	Pass
NVNT	ac40	5670	Ant1	41.742	0.5	Pass
NVNT	ac80	5530	Ant1	83.964	0.5	Pass
NVNT	ac80	5610	Ant1	83.592	0.5	Pass

Test Graphs

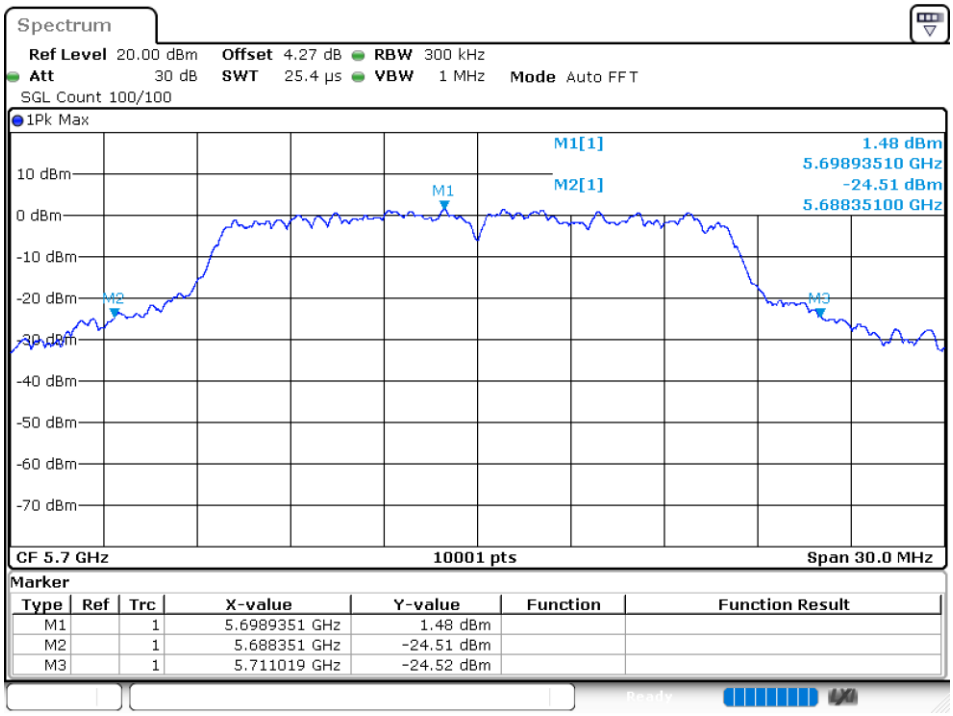
-26dB Bandwidth NVNT a 5500MHz Ant1



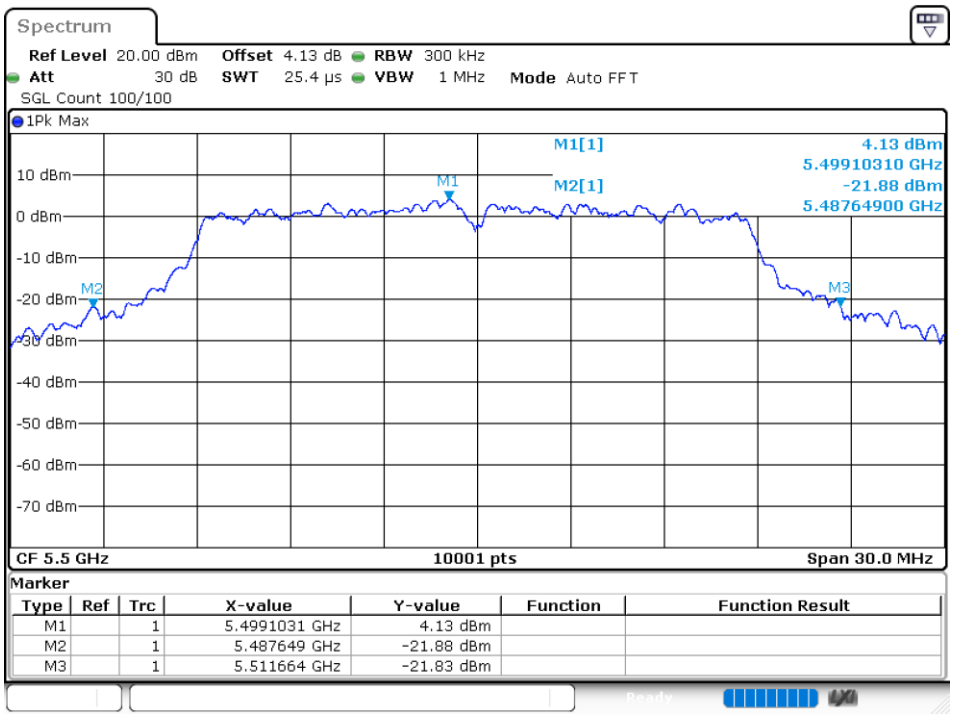
-26dB Bandwidth NVNT a 5600MHz Ant1



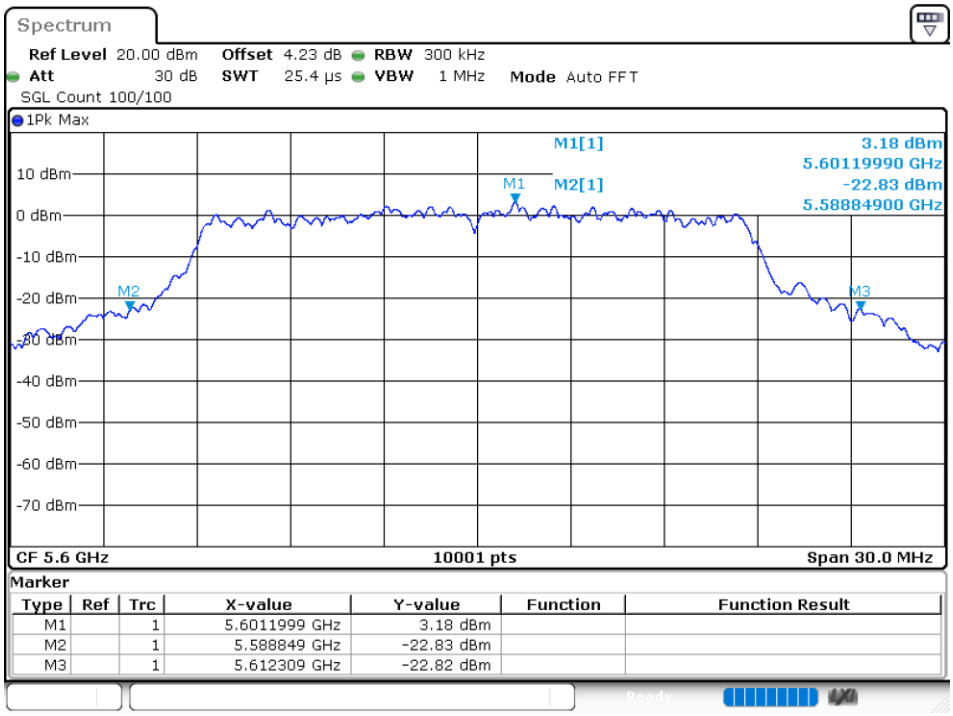
-26dB Bandwidth NVNT a 5700MHz Ant1



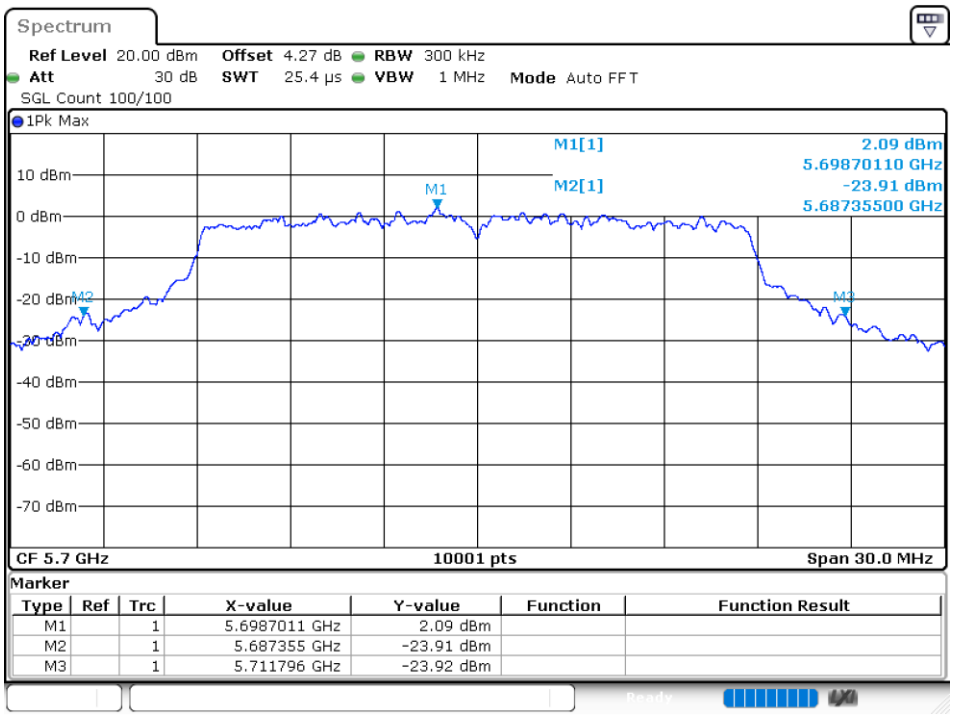
-26dB Bandwidth NVNT n20 5500MHz Ant1



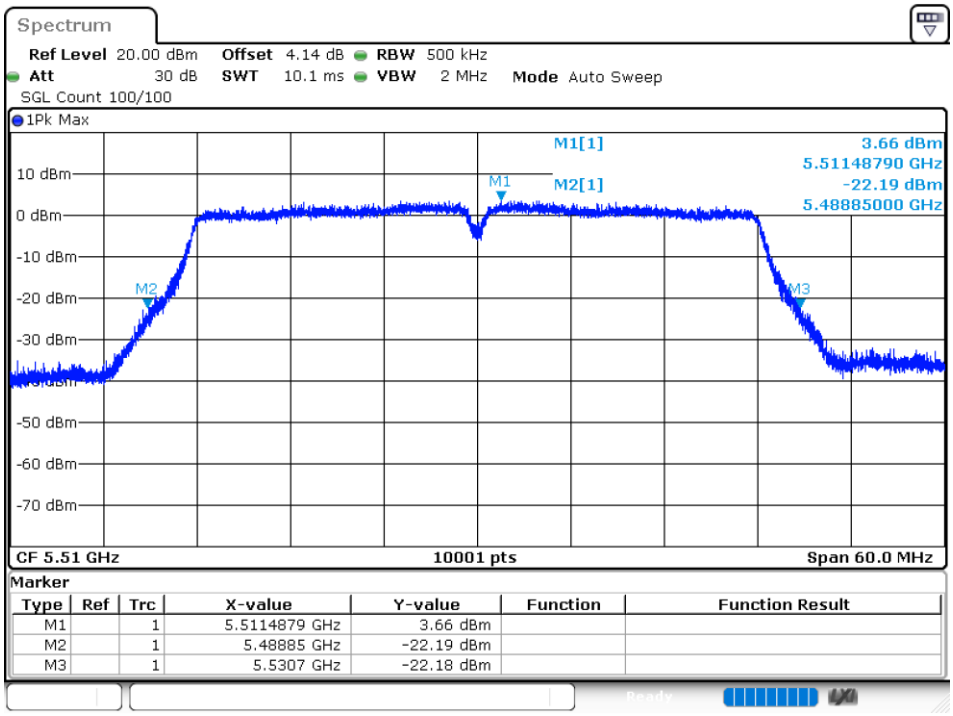
-26dB Bandwidth NVNT n20 5600MHz Ant1



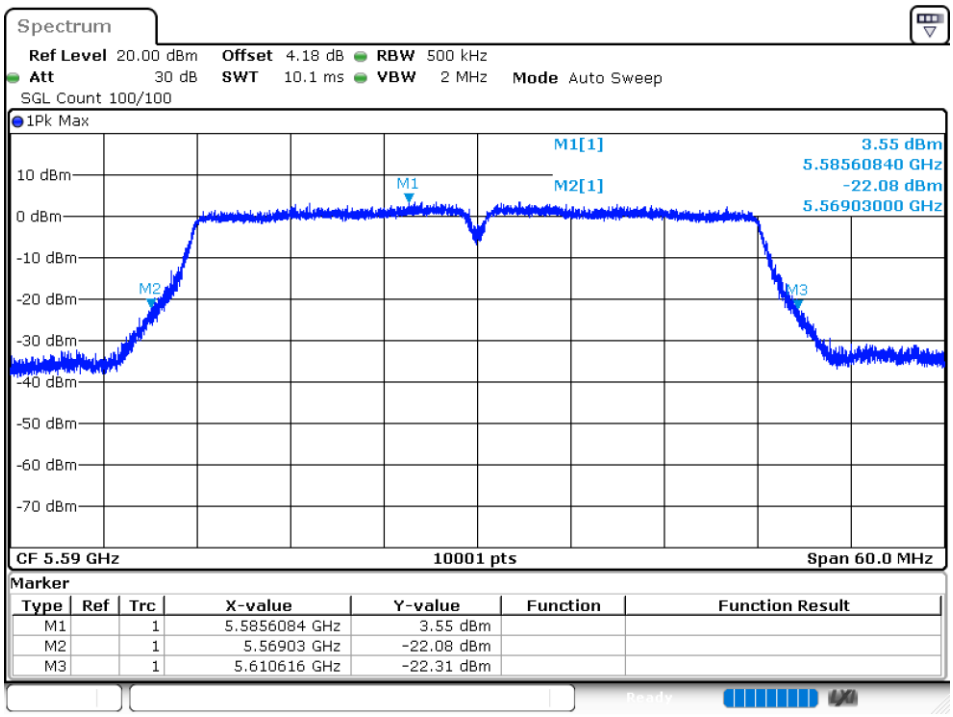
-26dB Bandwidth NVNT n20 5700MHz Ant1



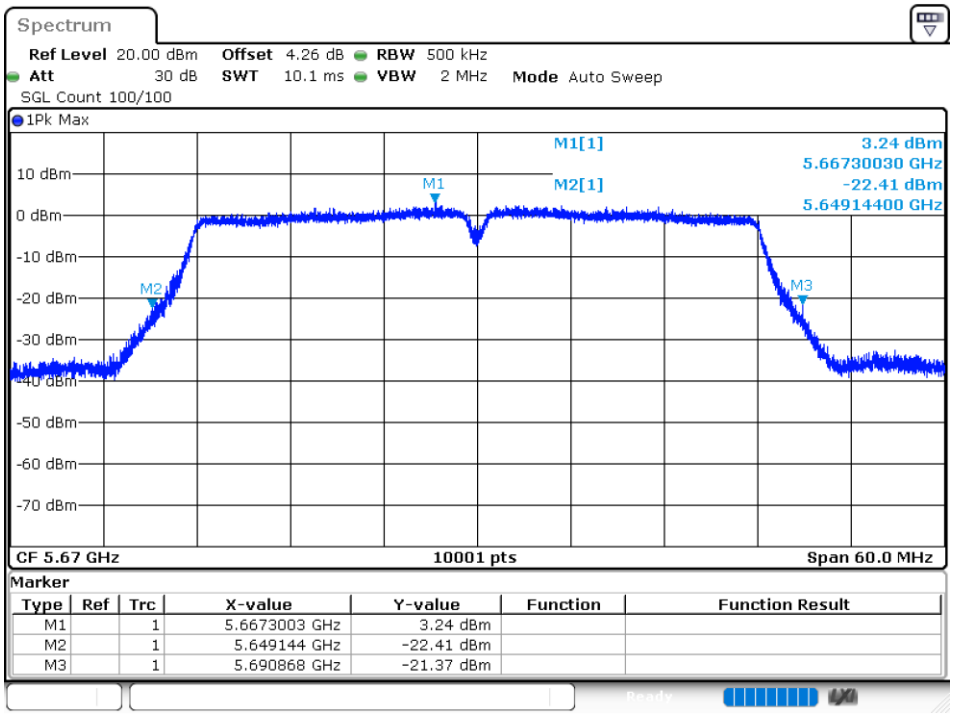
-26dB Bandwidth NVNT n40 5510MHz Ant1



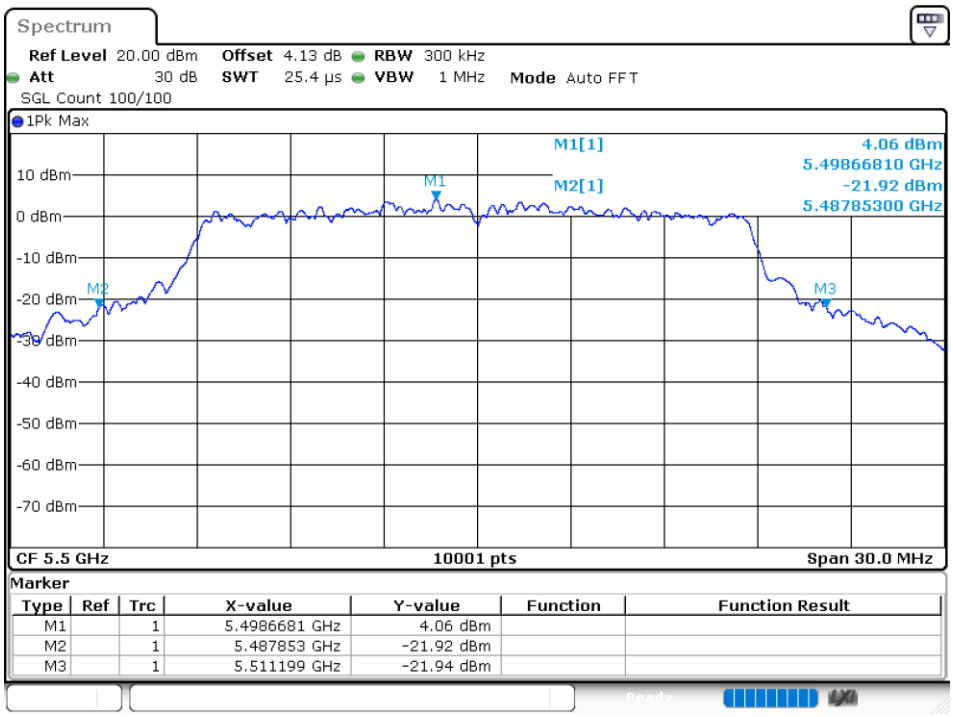
-26dB Bandwidth NVNT n40 5590MHz Ant1



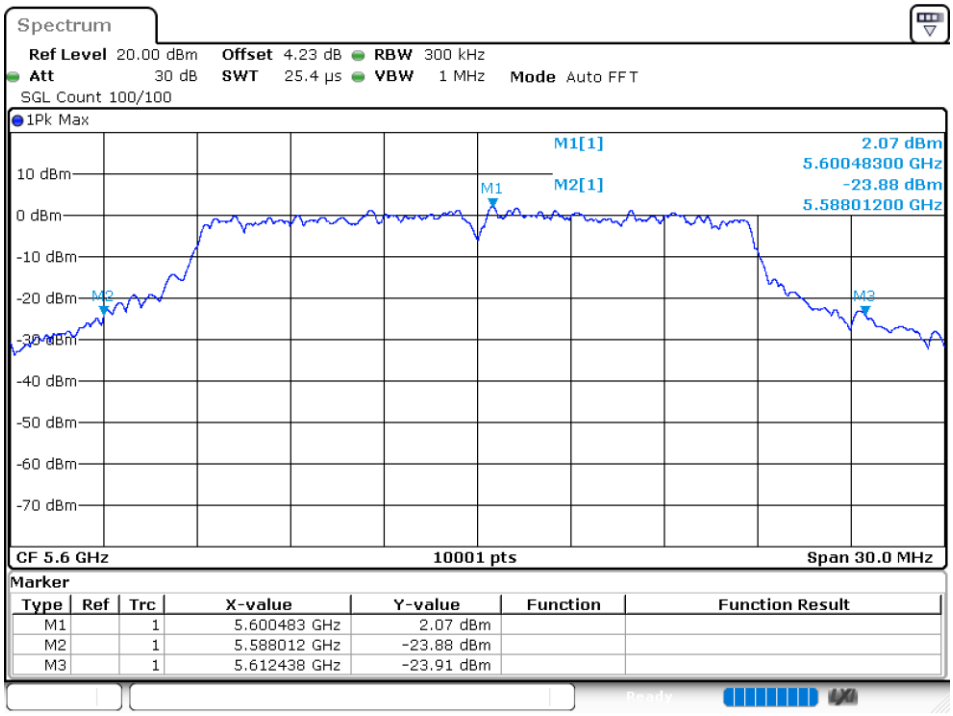
-26dB Bandwidth NVNT n40 5670MHz Ant1



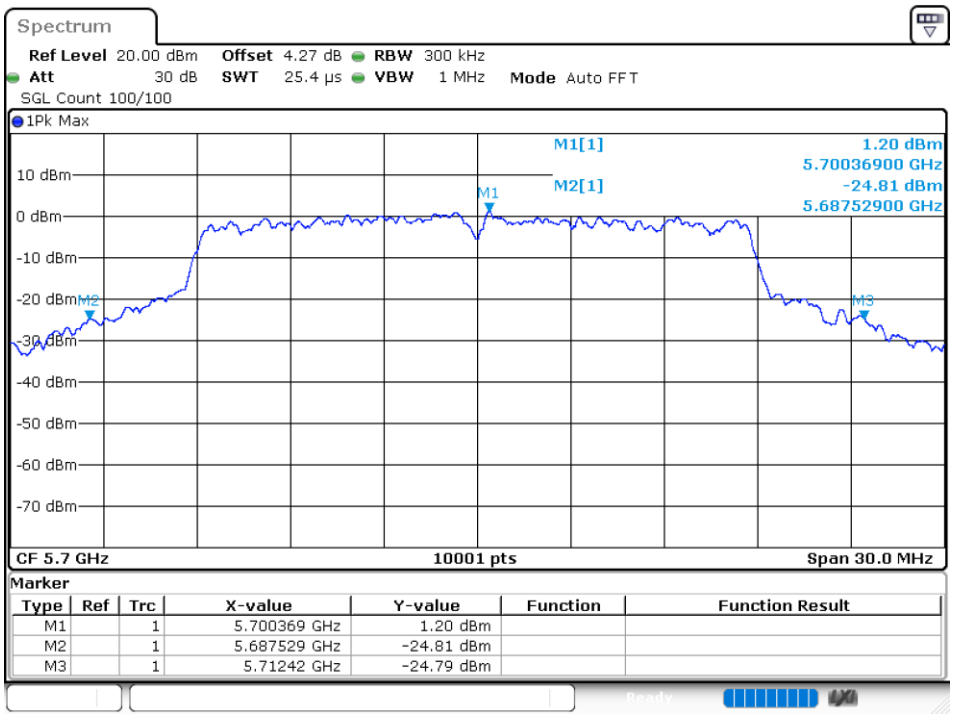
-26dB Bandwidth NVNT ac20 5500MHz Ant1



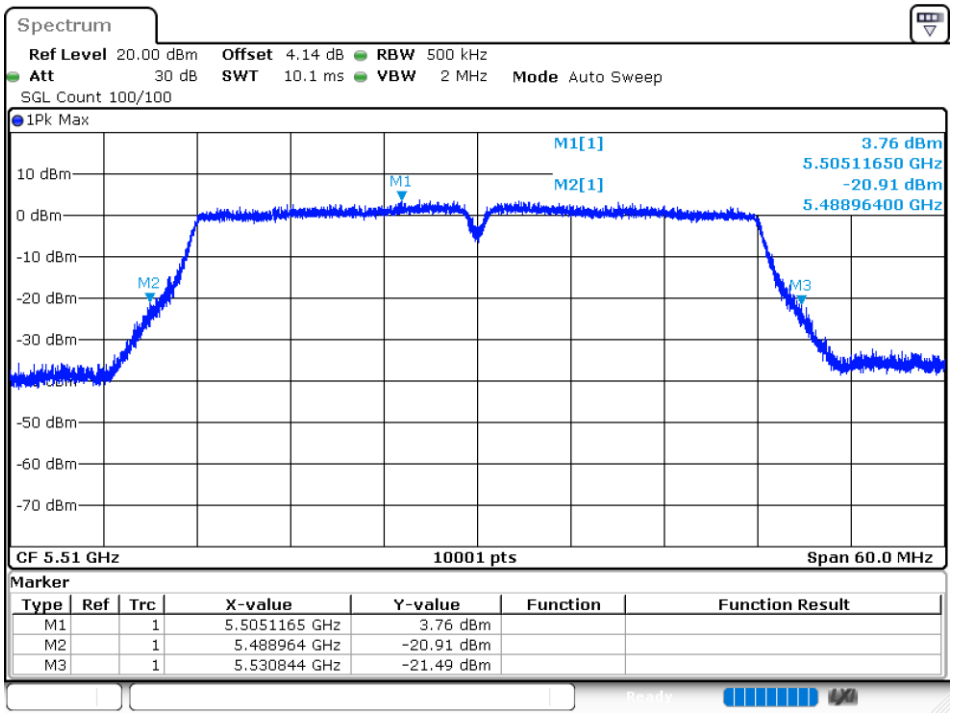
-26dB Bandwidth NVNT ac20 5600MHz Ant1



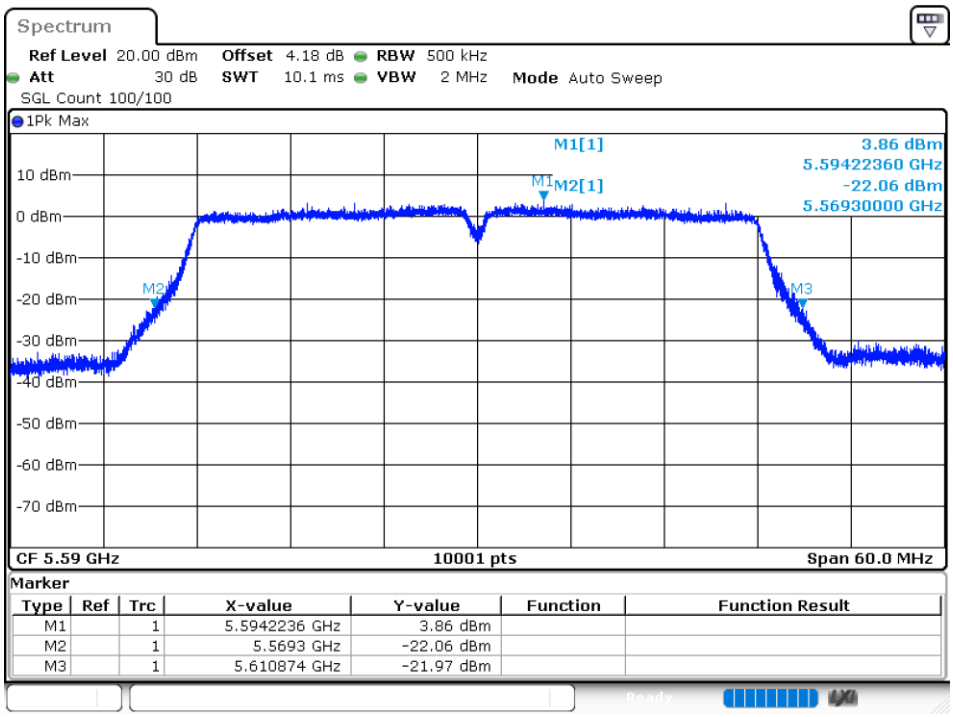
-26dB Bandwidth NVNT ac20 5700MHz Ant1



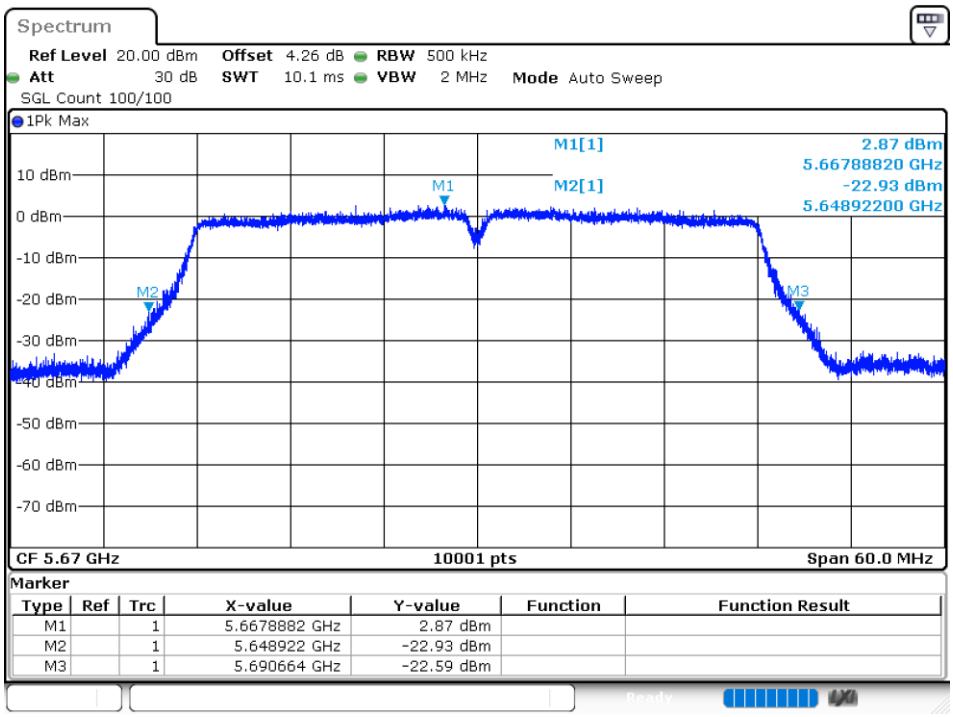
-26dB Bandwidth NVNT ac40 5510MHz Ant1



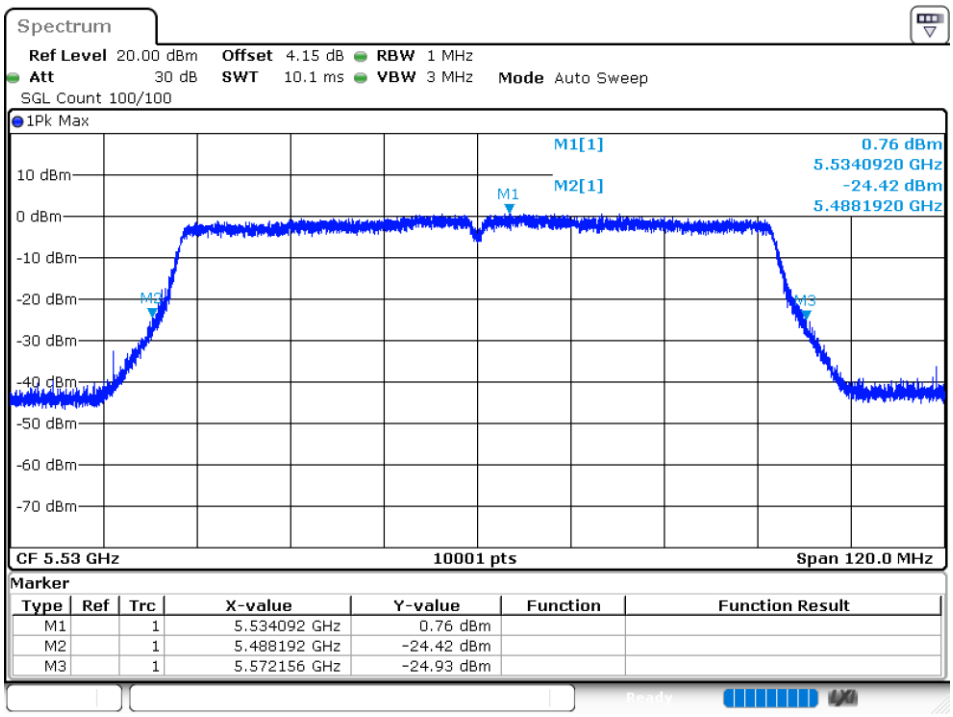
-26dB Bandwidth NVNT ac40 5590MHz Ant1



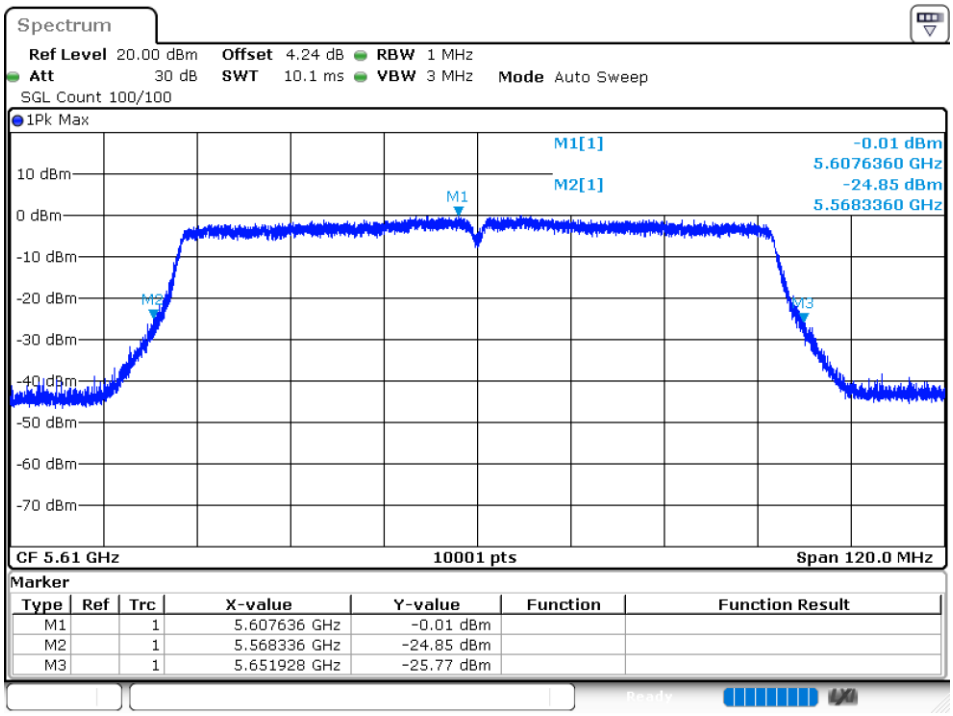
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1



-26dB Bandwidth NVNT ac80 5610MHz Ant1

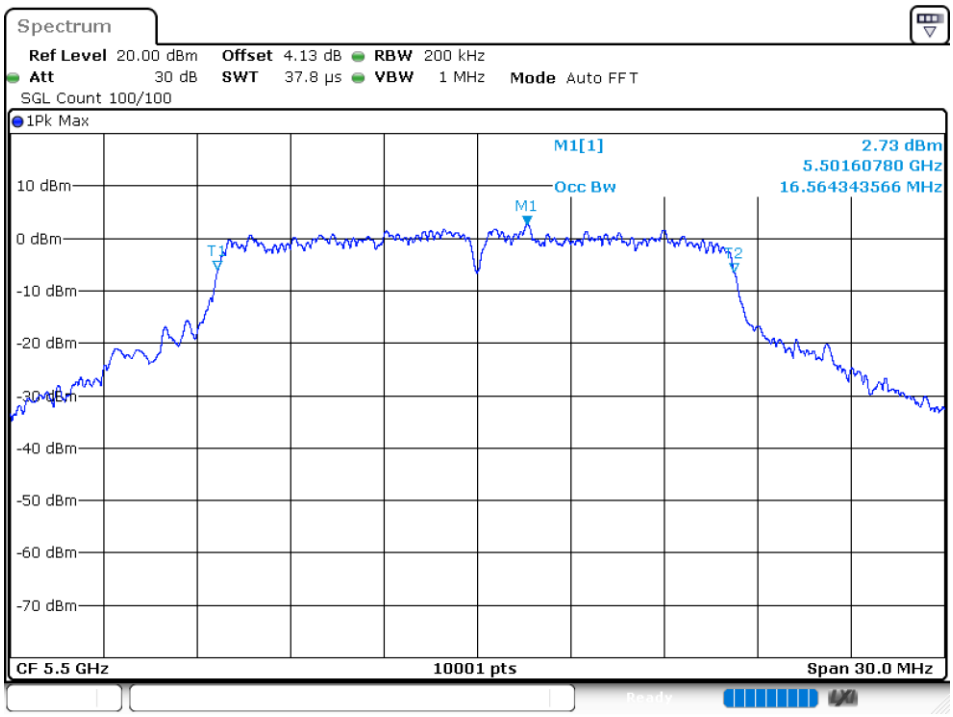


Occupied Channel Bandwidth

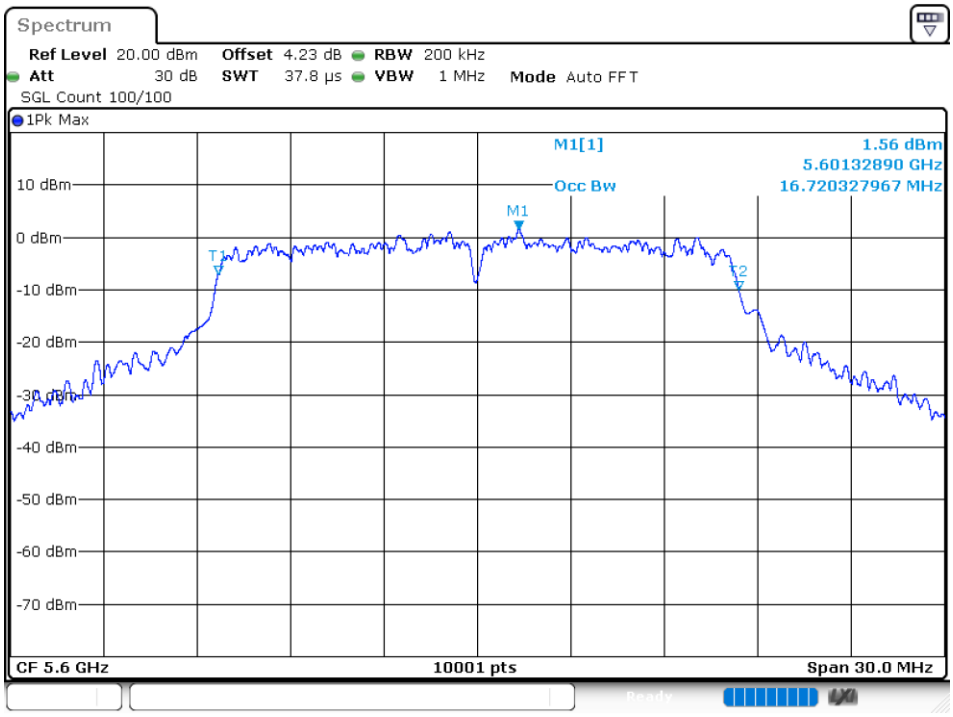
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.564
NVNT	a	5600	Ant1	16.72
NVNT	a	5700	Ant1	16.714
NVNT	n20	5500	Ant1	17.809
NVNT	n20	5600	Ant1	17.71
NVNT	n20	5700	Ant1	17.746
NVNT	n40	5510	Ant1	36.26
NVNT	n40	5590	Ant1	36.296
NVNT	n40	5670	Ant1	36.254
NVNT	ac20	5500	Ant1	17.731
NVNT	ac20	5600	Ant1	17.731
NVNT	ac20	5700	Ant1	17.713
NVNT	ac40	5510	Ant1	36.26
NVNT	ac40	5590	Ant1	36.278
NVNT	ac40	5670	Ant1	36.26
NVNT	ac80	5530	Ant1	75.676
NVNT	ac80	5610	Ant1	75.652

Test Graphs

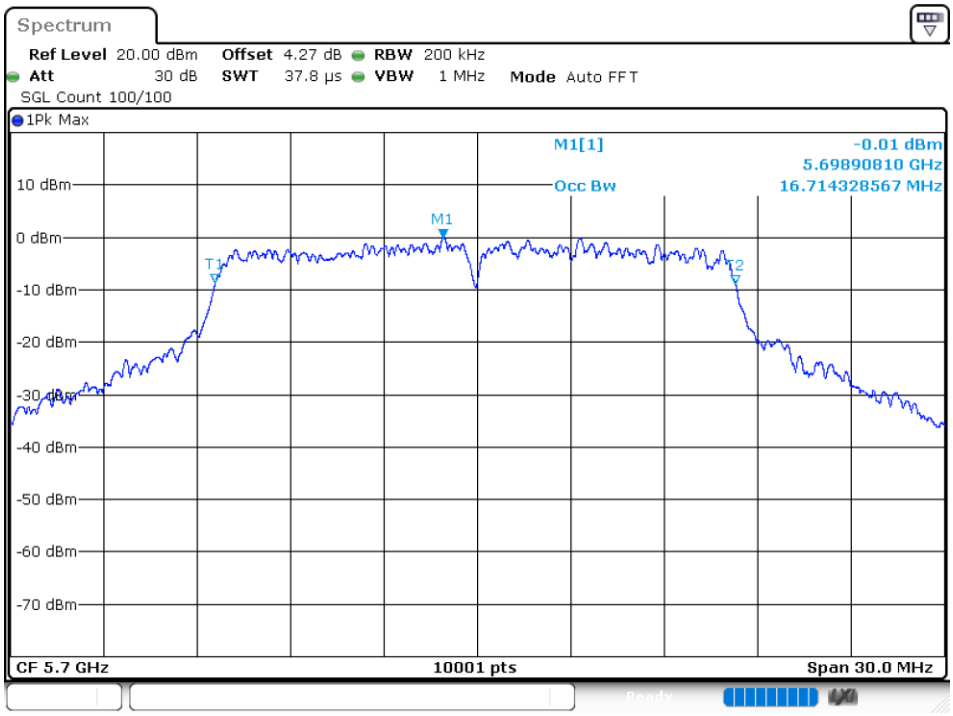
OBW NVNT a 5500MHz Ant1



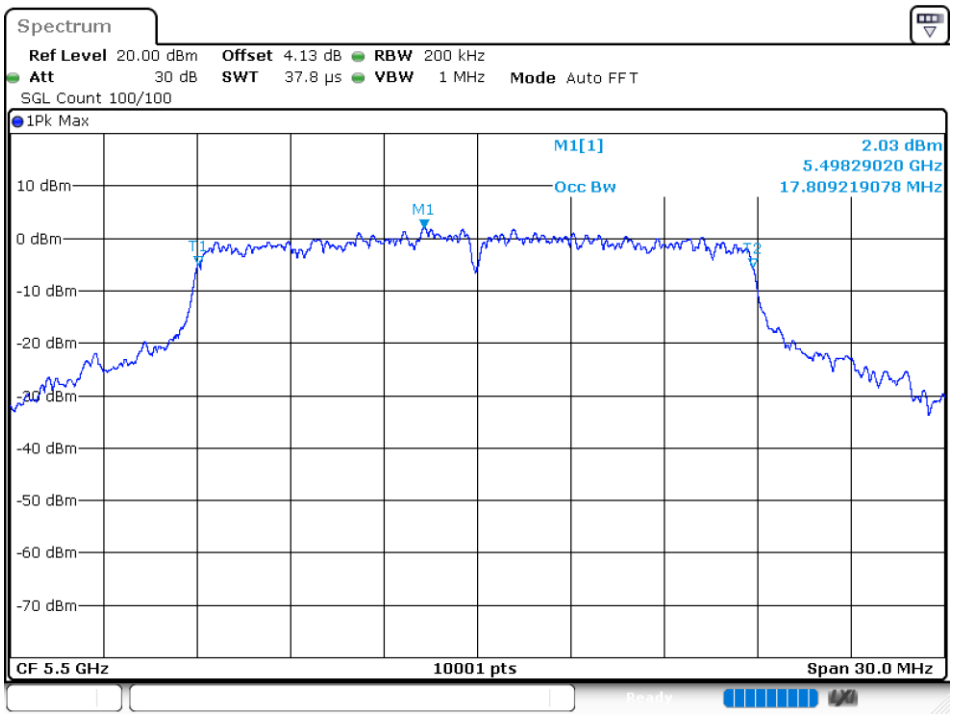
OBW NVNT a 5600MHz Ant1



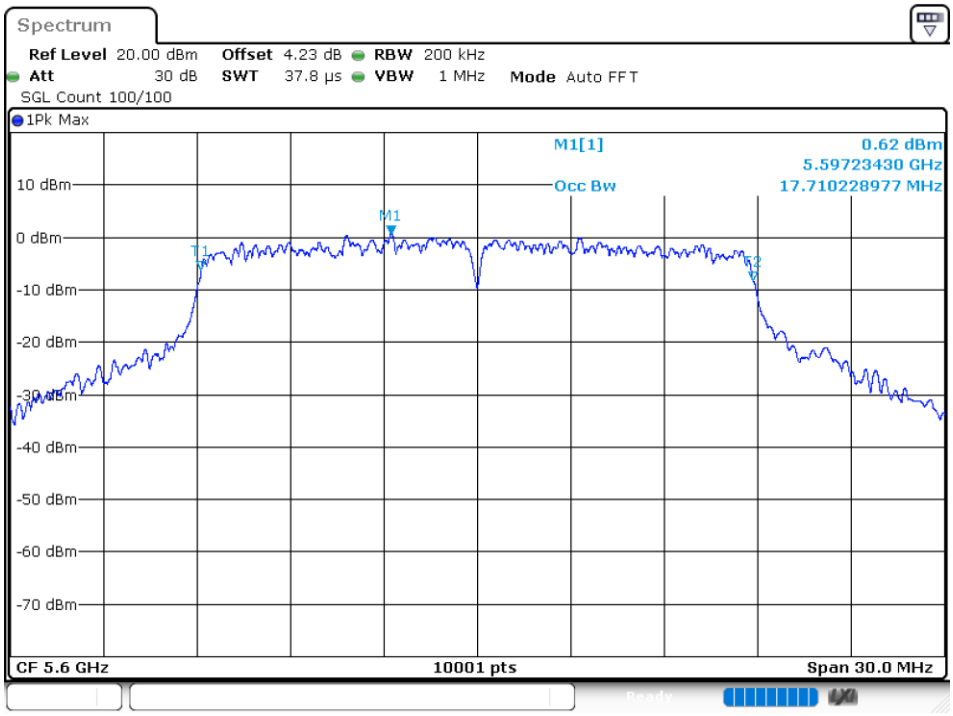
OBW NVNT a 5700MHz Ant1



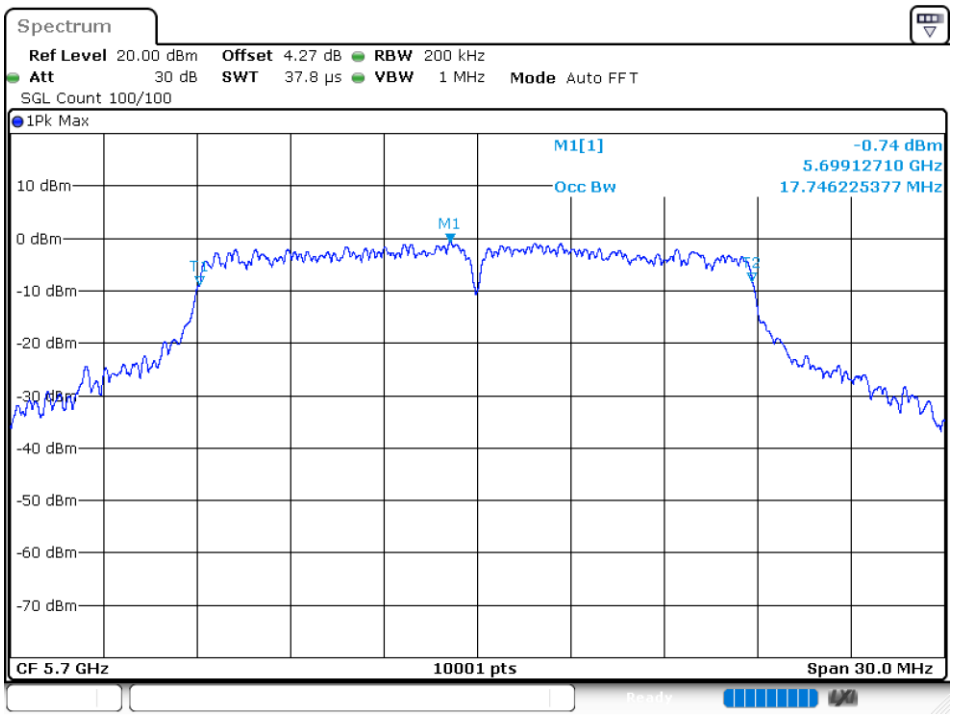
OBW NVNT n20 5500MHz Ant1



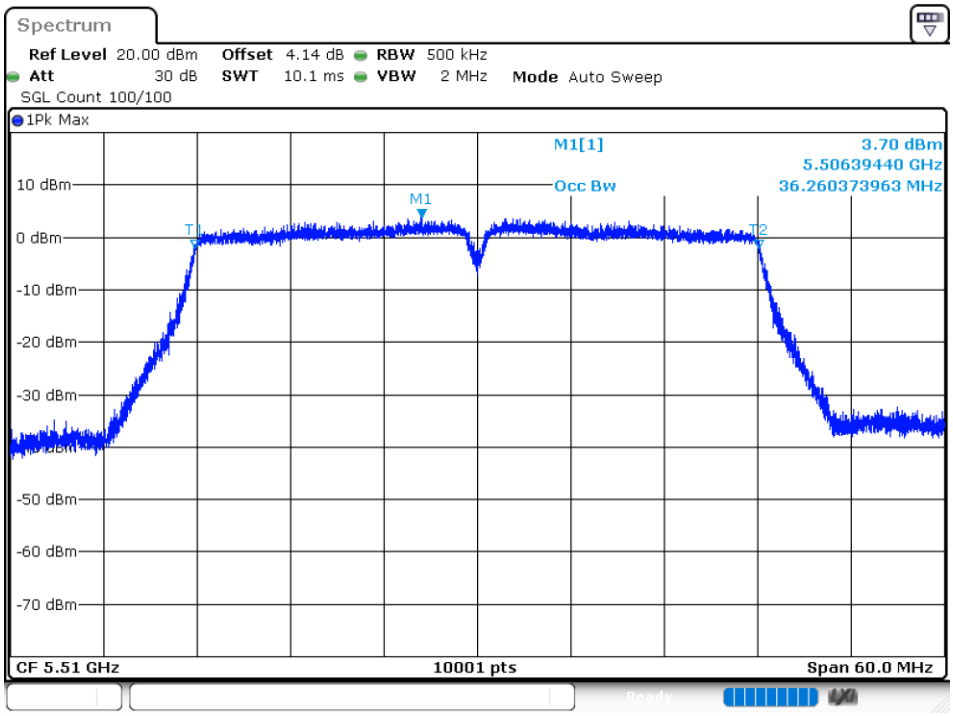
OBW NVNT n20 5600MHz Ant1



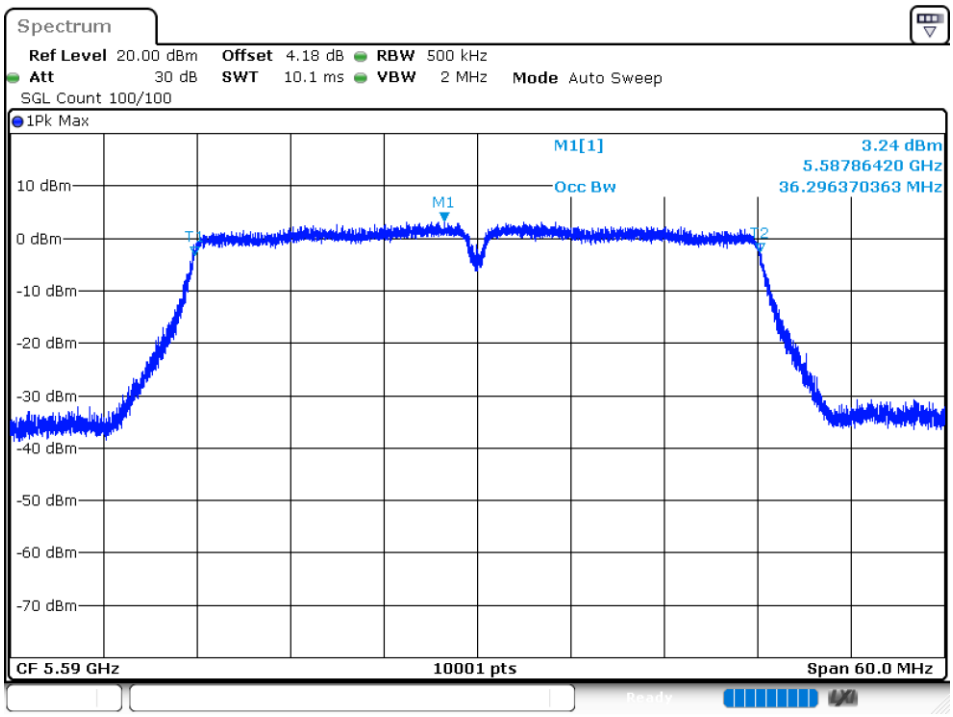
OBW NVNT n20 5700MHz Ant1



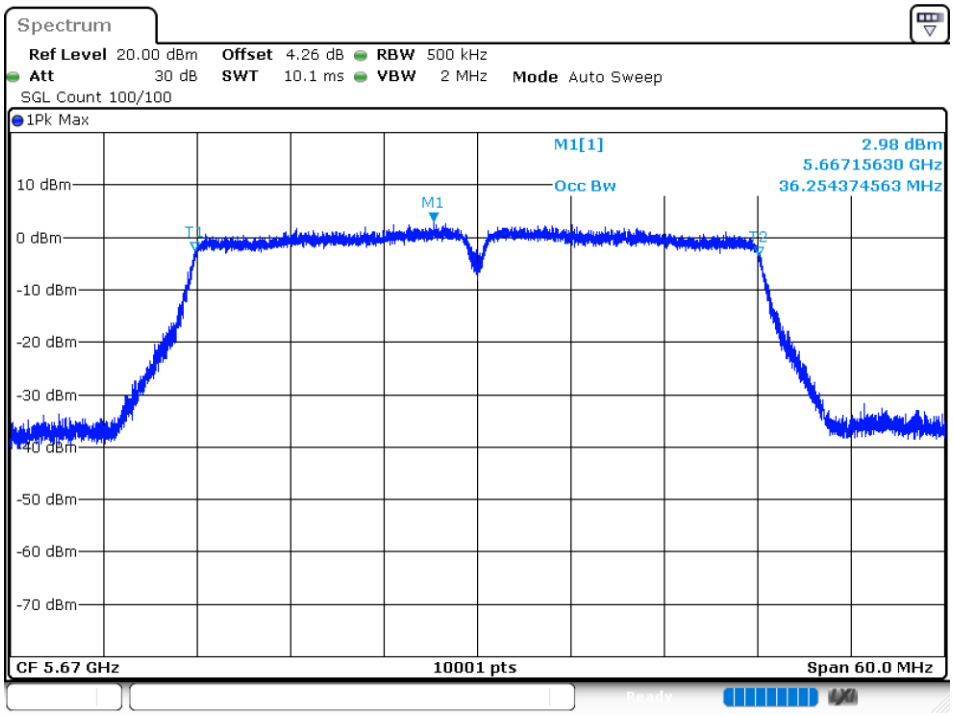
OBW NVNT n40 5510MHz Ant1



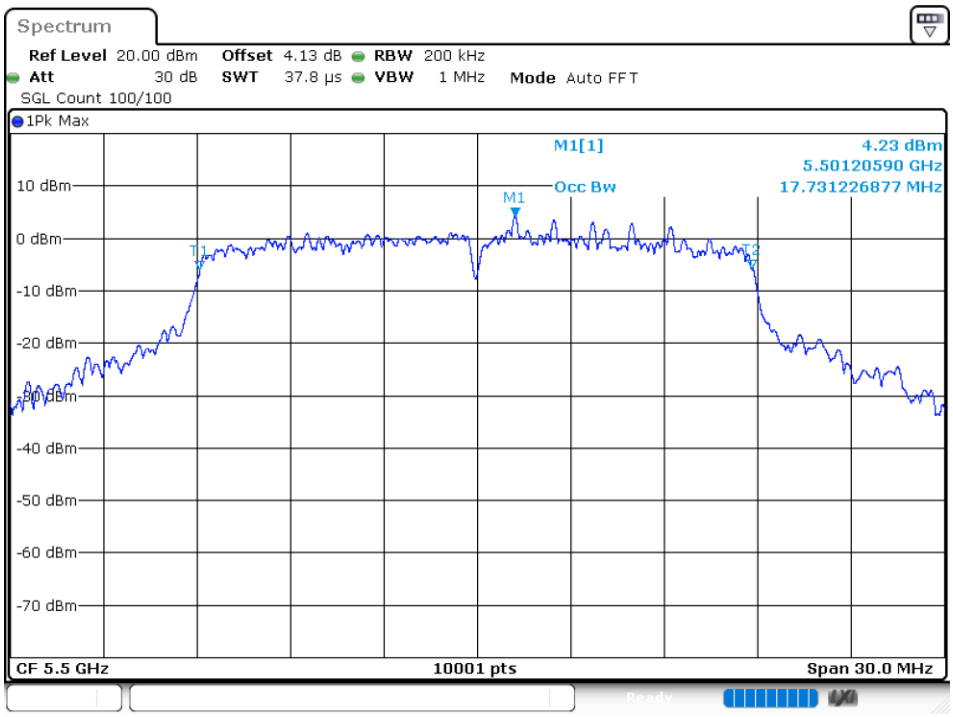
OBW NVNT n40 5590MHz Ant1



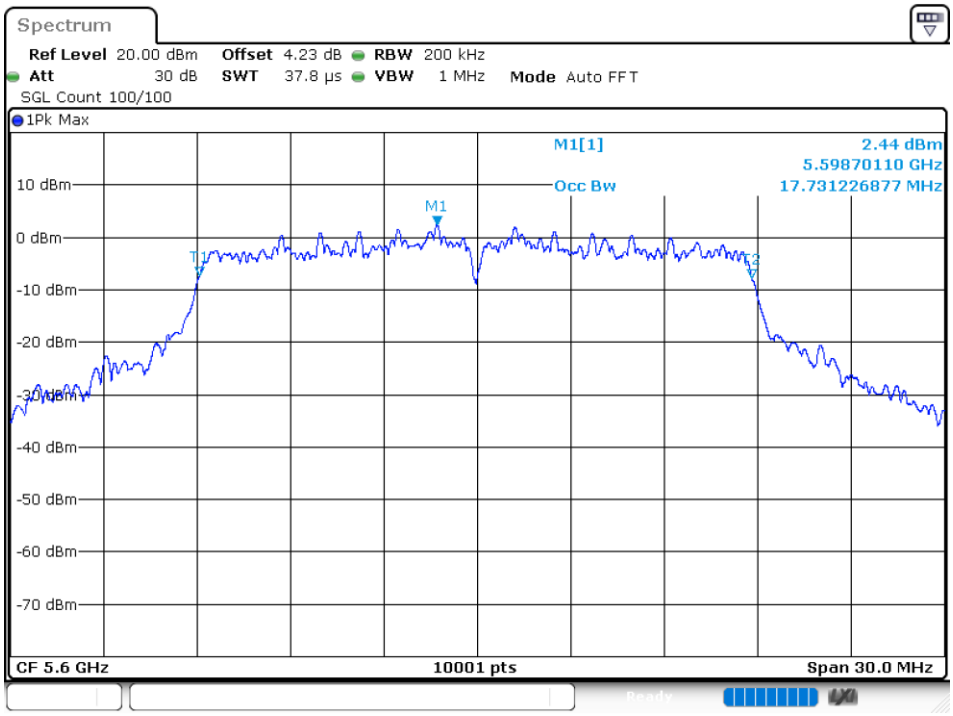
OBW NVNT n40 5670MHz Ant1



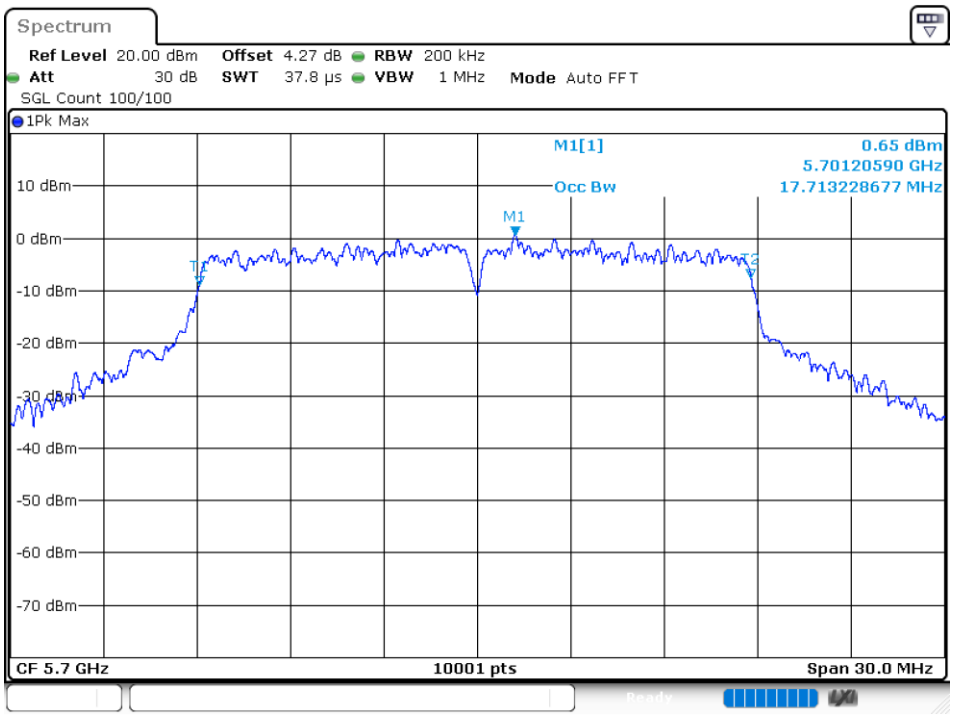
OBW NVNT ac20 5500MHz Ant1



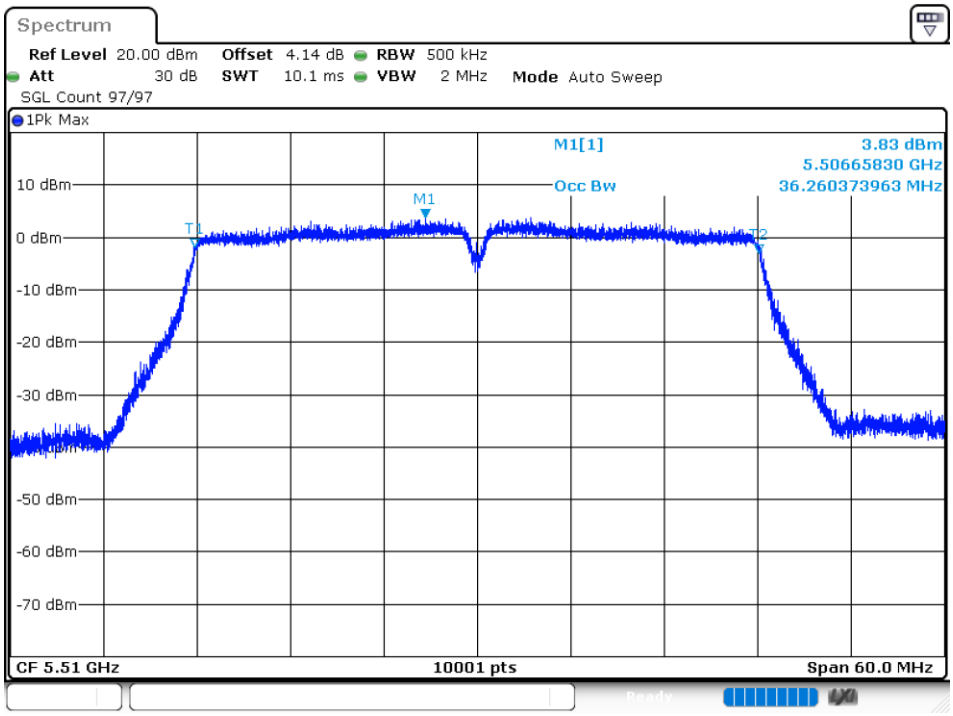
OBW NVNT ac20 5600MHz Ant1



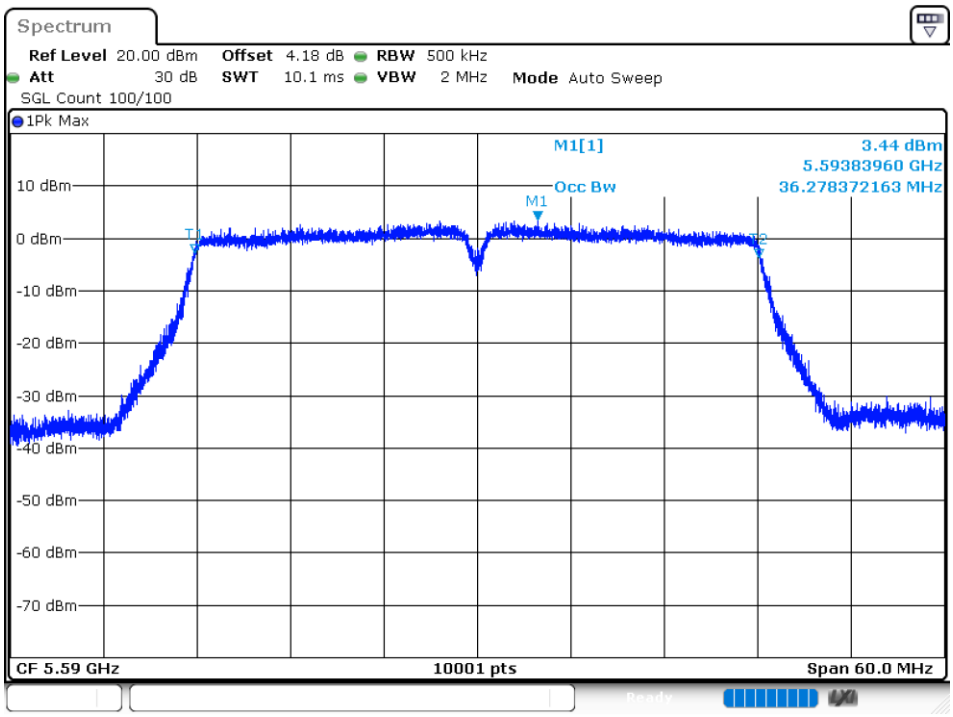
OBW NVNT ac20 5700MHz Ant1



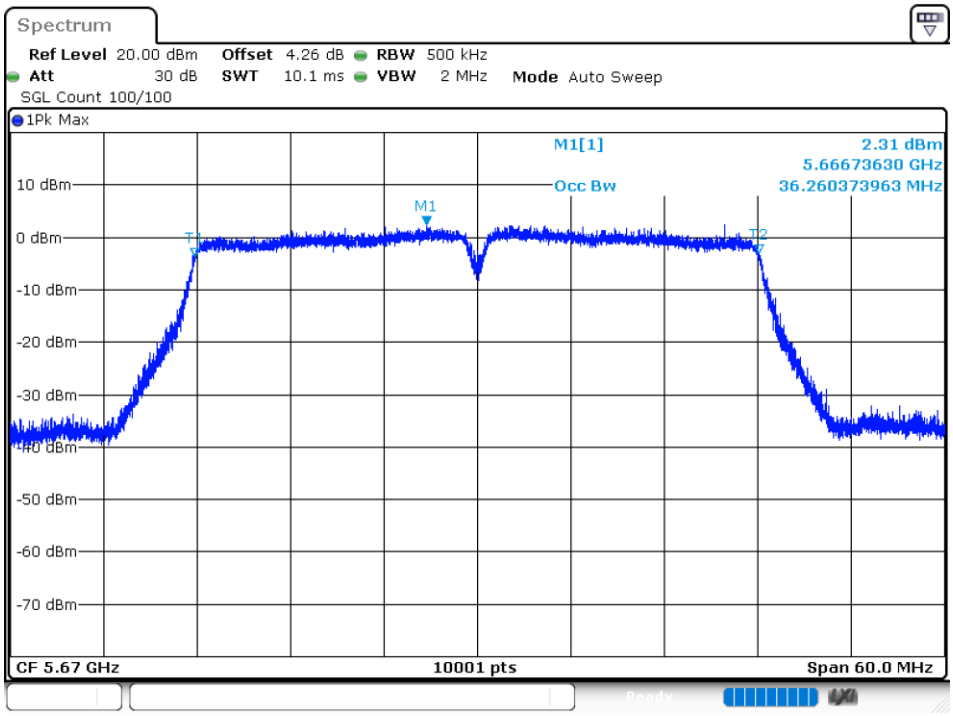
OBW NVNT ac40 5510MHz Ant1



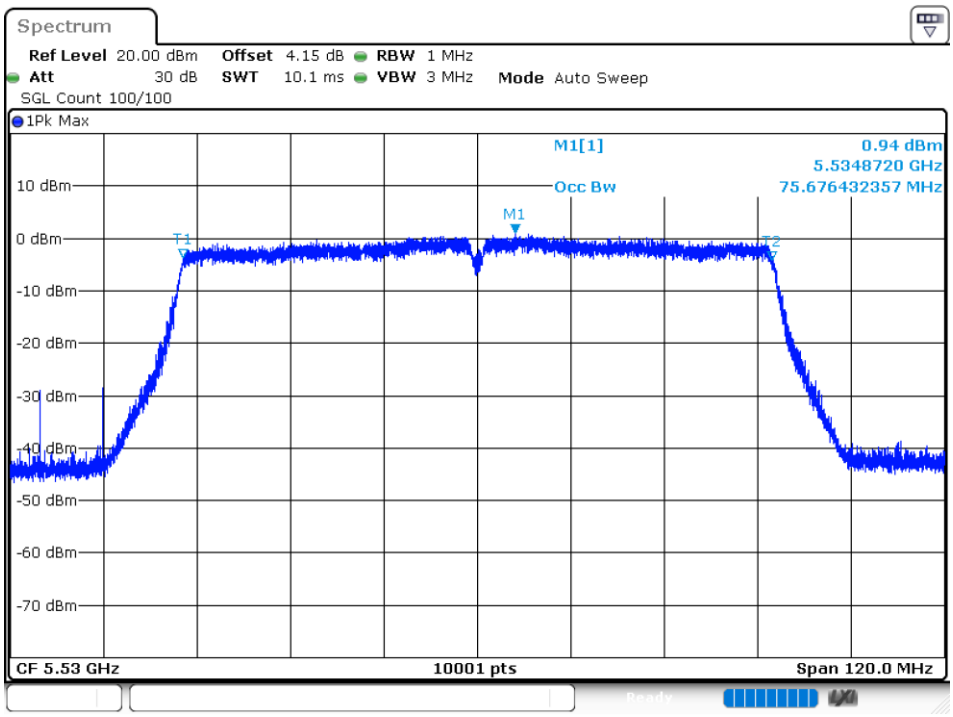
OBW NVNT ac40 5590MHz Ant1



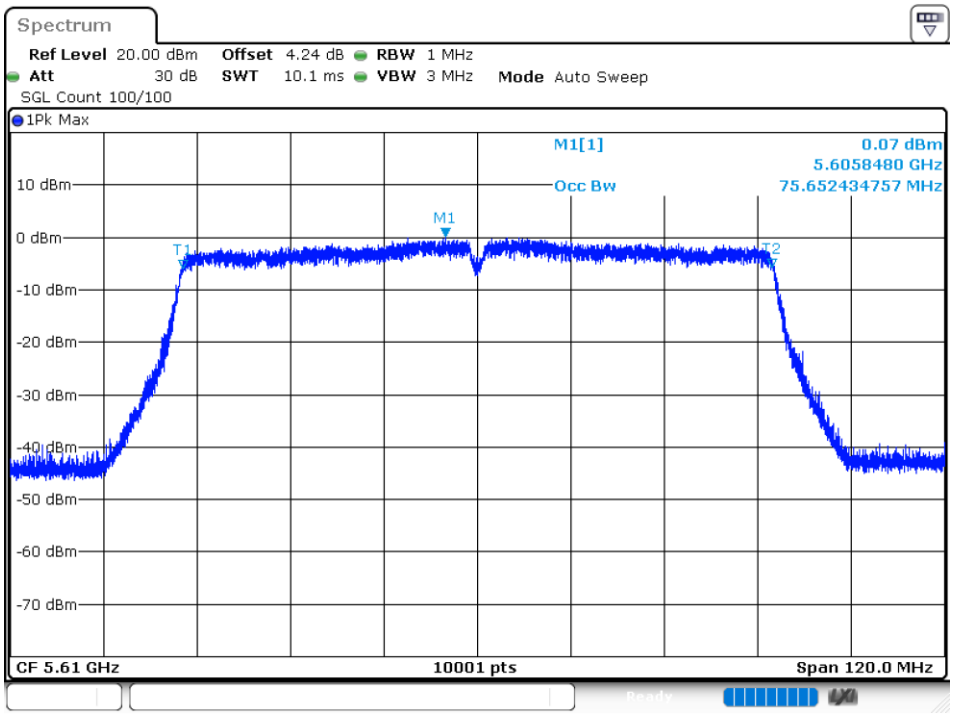
OBW NVNT ac40 5670MHz Ant1



OBW NVNT ac80 5530MHz Ant1



OBW NVNT ac80 5610MHz Ant1

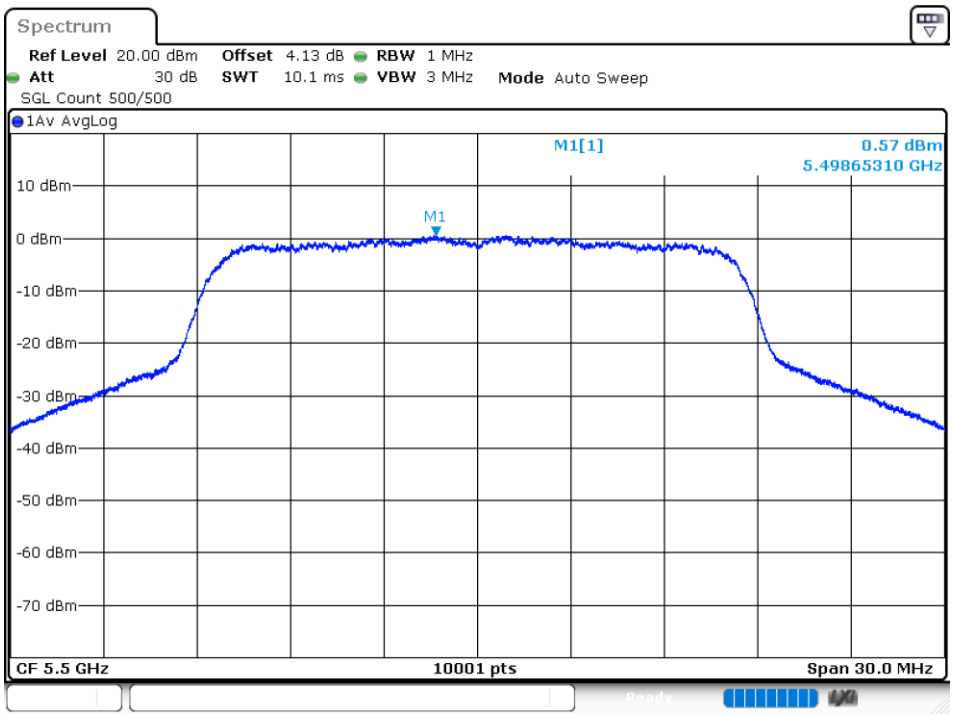


Maximum Power Spectral Density Level

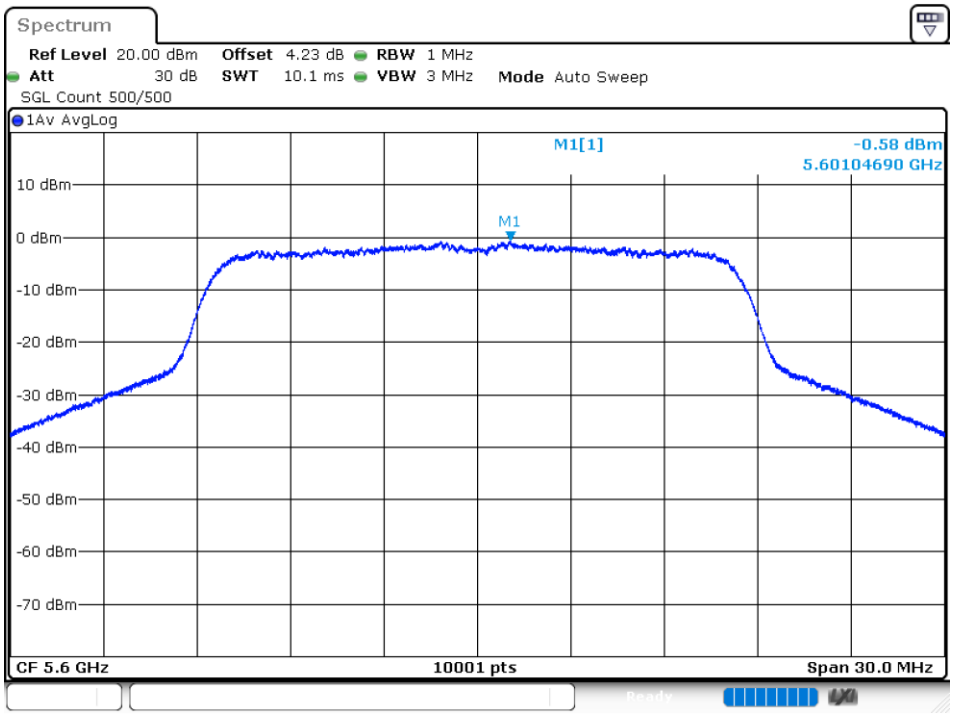
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	0.57	0.06	0.63	11	Pass
NVNT	a	5600	Ant1	-0.58	0.06	-0.52	11	Pass
NVNT	a	5700	Ant1	-1.84	0.05	-1.79	11	Pass
NVNT	n20	5500	Ant1	0.27	0.06	0.33	11	Pass
NVNT	n20	5600	Ant1	-1.34	0.07	-1.27	11	Pass
NVNT	n20	5700	Ant1	-2.3	0.06	-2.24	11	Pass
NVNT	n40	5510	Ant1	-3.9	0.12	-3.78	11	Pass
NVNT	n40	5590	Ant1	-3.95	0.12	-3.83	11	Pass
NVNT	n40	5670	Ant1	-4.8	0.12	-4.68	11	Pass
NVNT	ac20	5500	Ant1	-0.16	0.06	-0.1	11	Pass
NVNT	ac20	5600	Ant1	-1.58	0.06	-1.52	11	Pass
NVNT	ac20	5700	Ant1	-2.24	0.06	-2.18	11	Pass
NVNT	ac40	5510	Ant1	-4.15	0.12	-4.03	11	Pass
NVNT	ac40	5590	Ant1	-4.09	0.12	-3.97	11	Pass
NVNT	ac40	5670	Ant1	-5.03	0.12	-4.91	11	Pass
NVNT	ac80	5530	Ant1	-12.23	0.24	-11.99	11	Pass
NVNT	ac80	5610	Ant1	-12.85	0.24	-12.61	11	Pass

Test Graphs

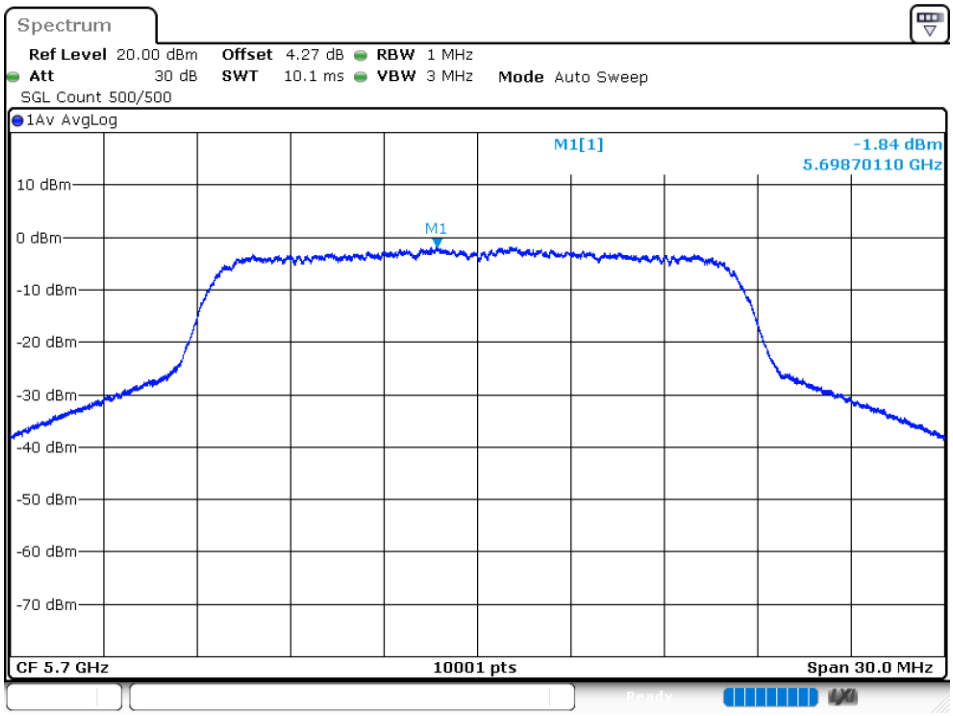
PSD NVNT a 5500MHz Ant1



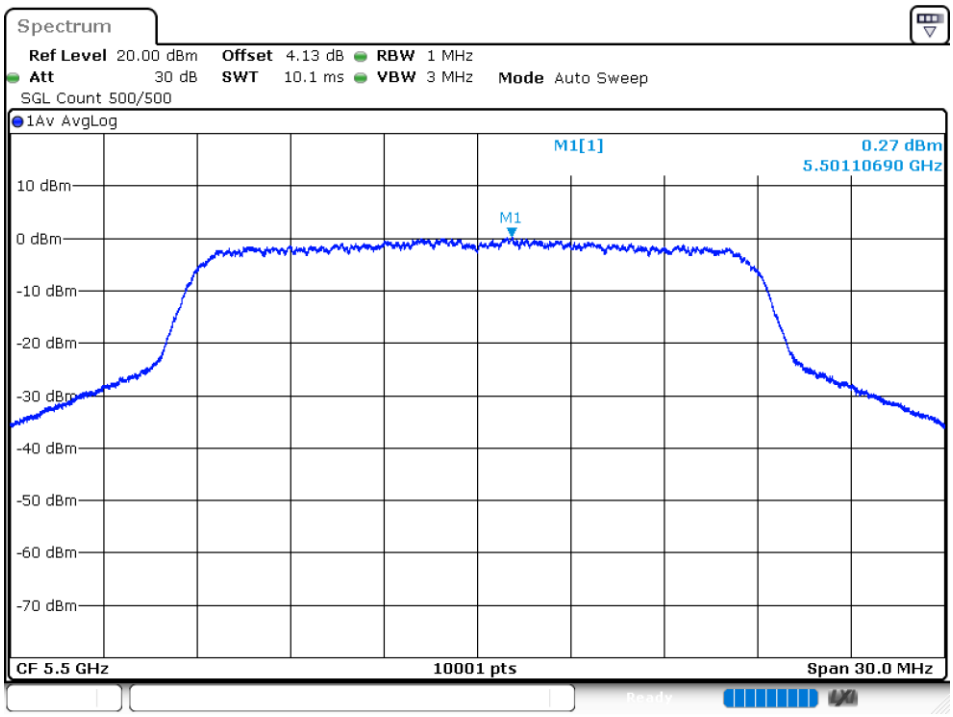
PSD NVNT a 5600MHz Ant1



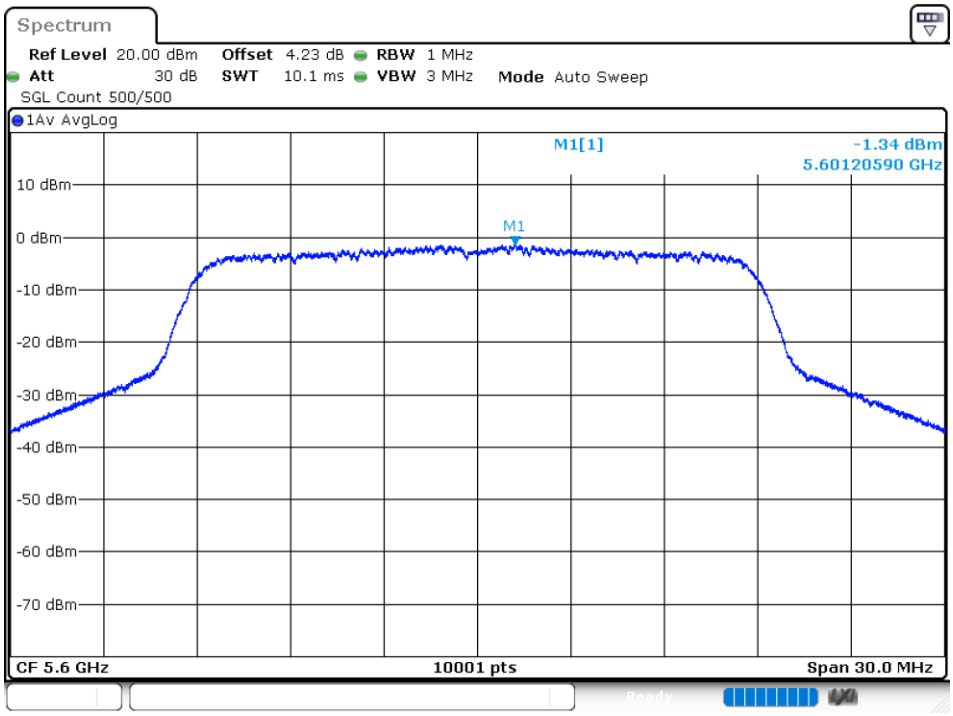
PSD NVNT a 5700MHz Ant1



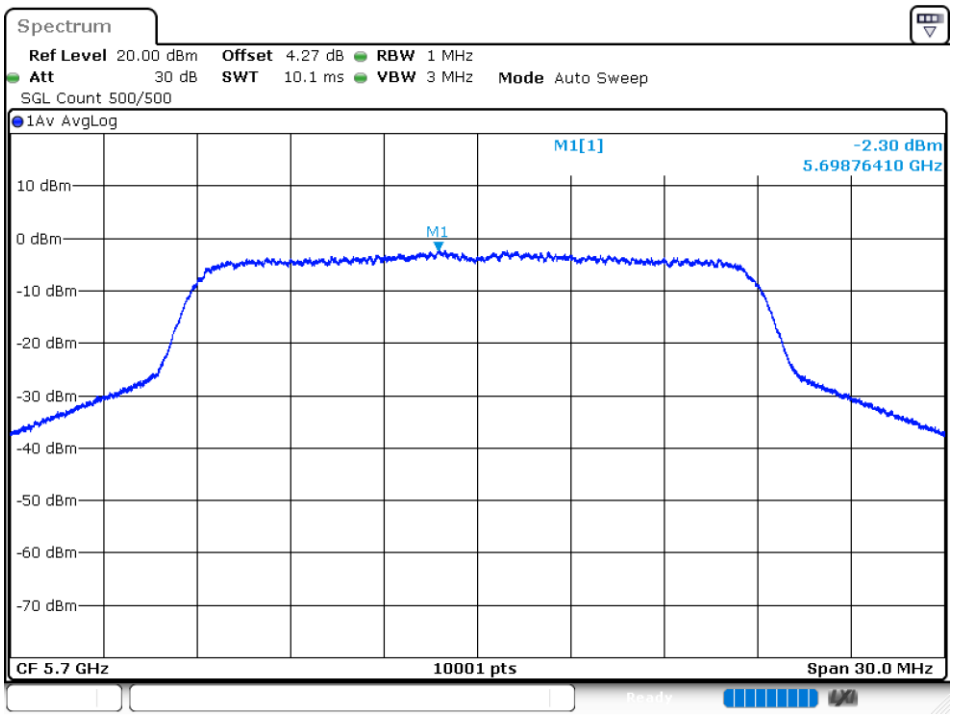
PSD NVNT n20 5500MHz Ant1



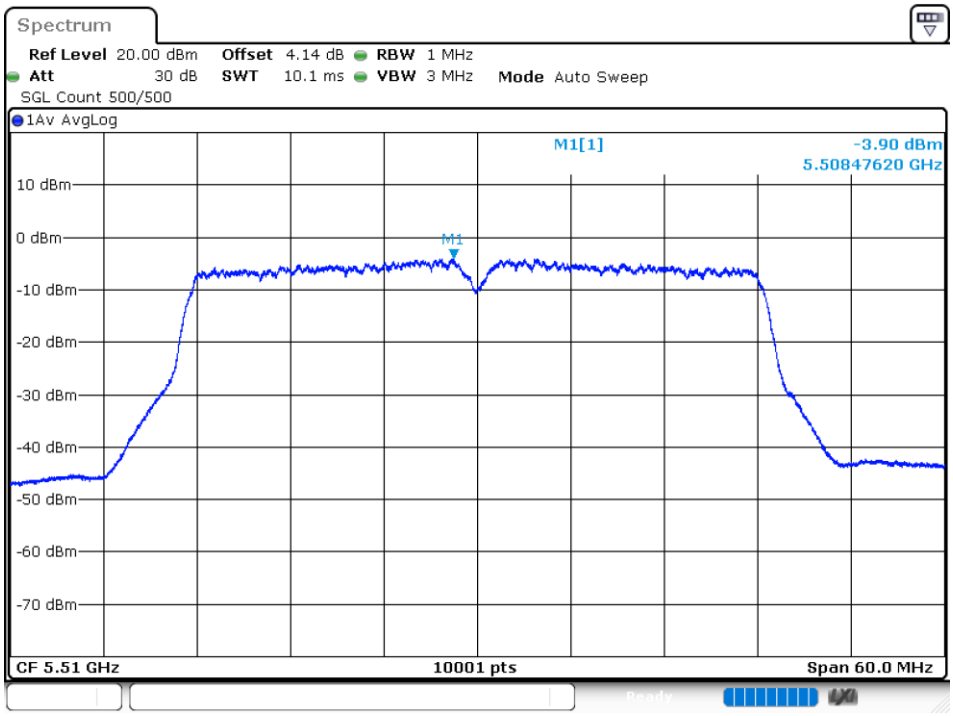
PSD NVNT n20 5600MHz Ant1



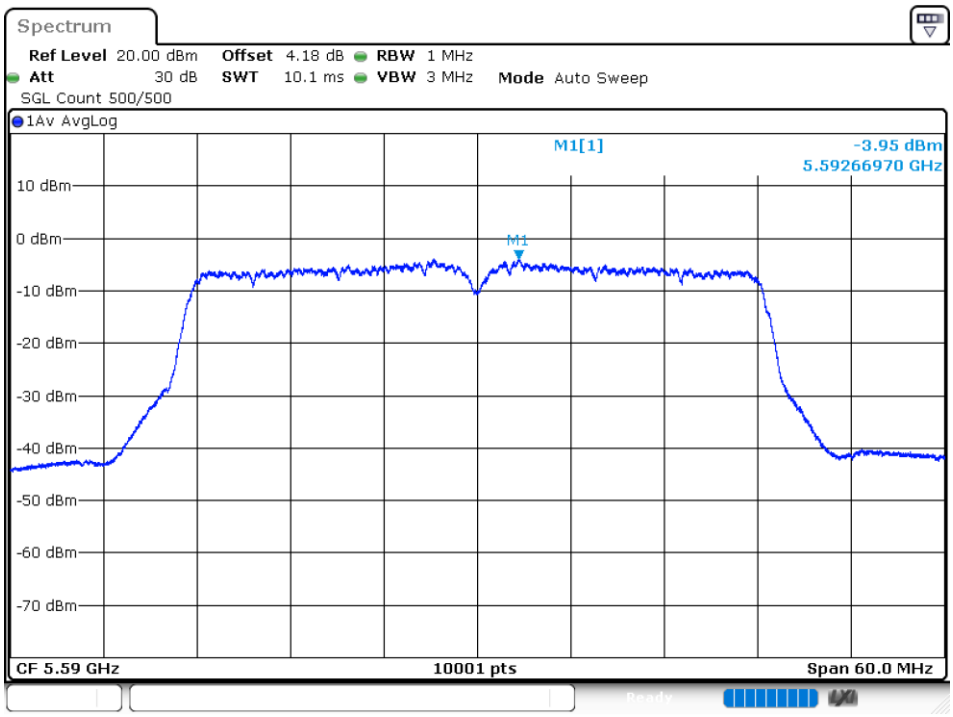
PSD NVNT n20 5700MHz Ant1



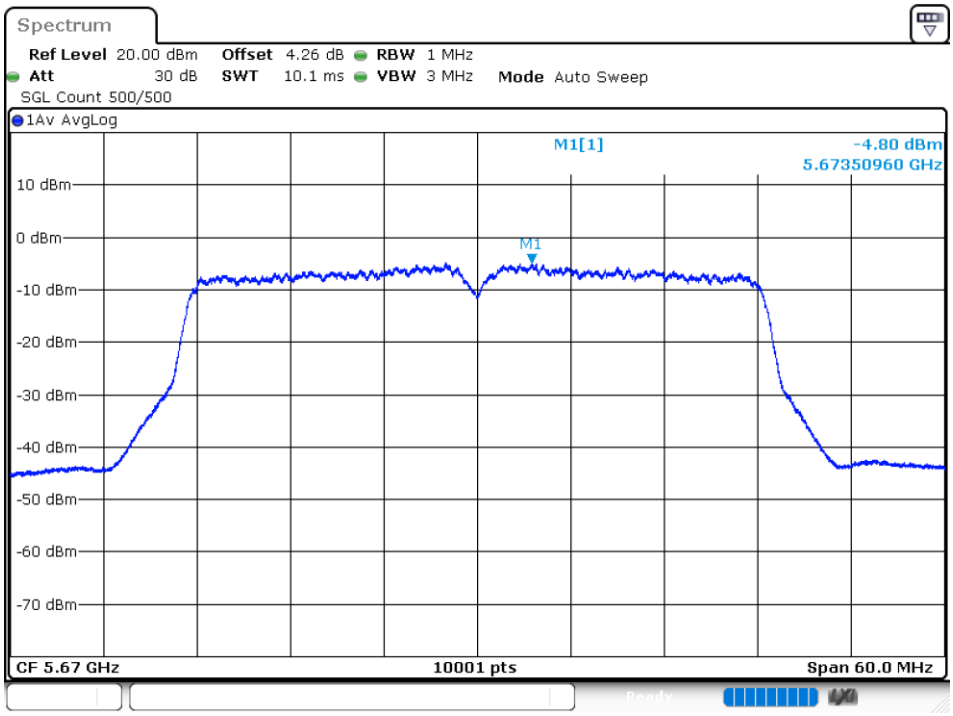
PSD NVNT n40 5510MHz Ant1



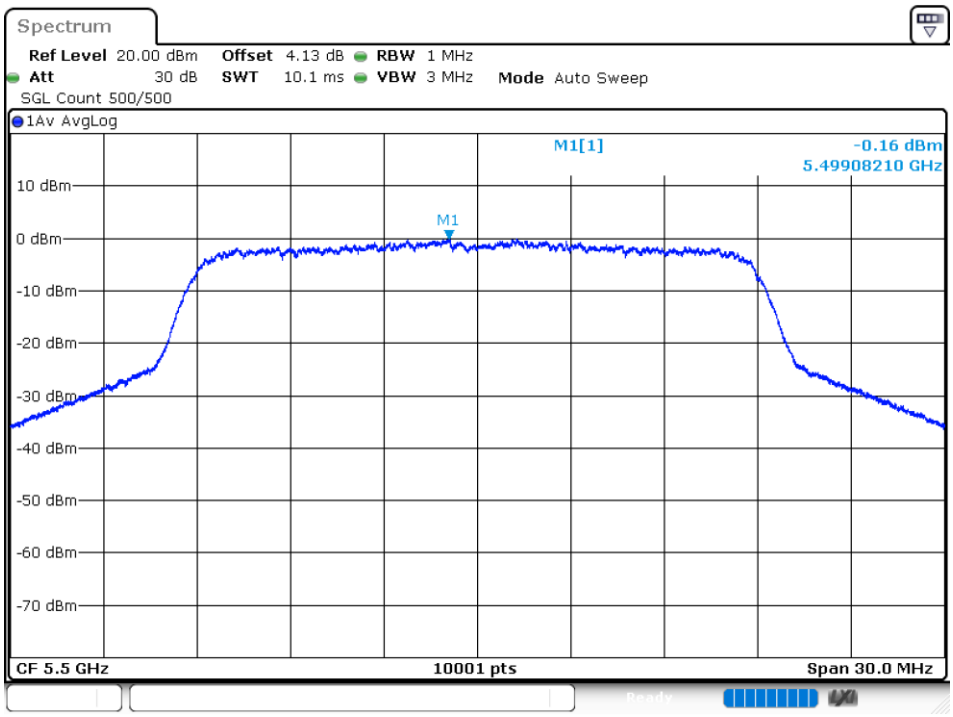
PSD NVNT n40 5590MHz Ant1



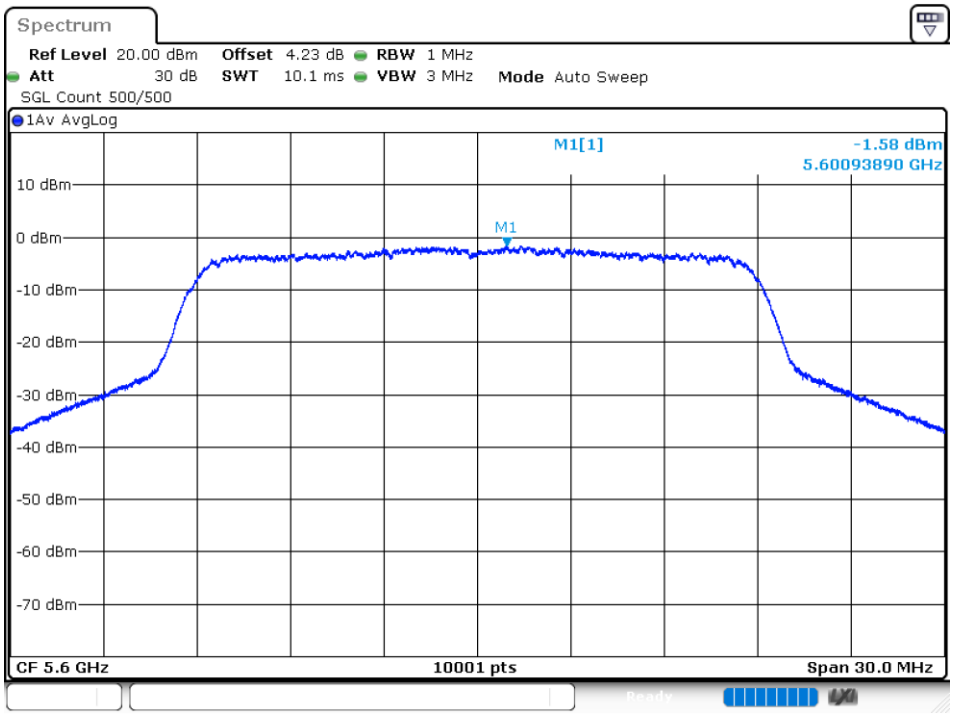
PSD NVNT n40 5670MHz Ant1



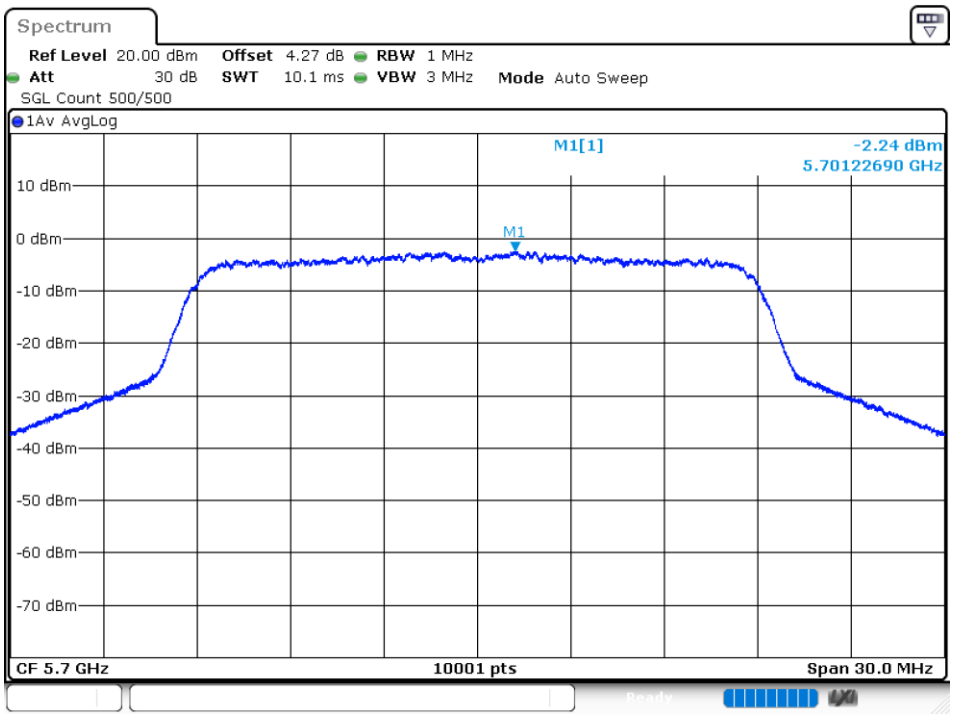
PSD NVNT ac20 5500MHz Ant1



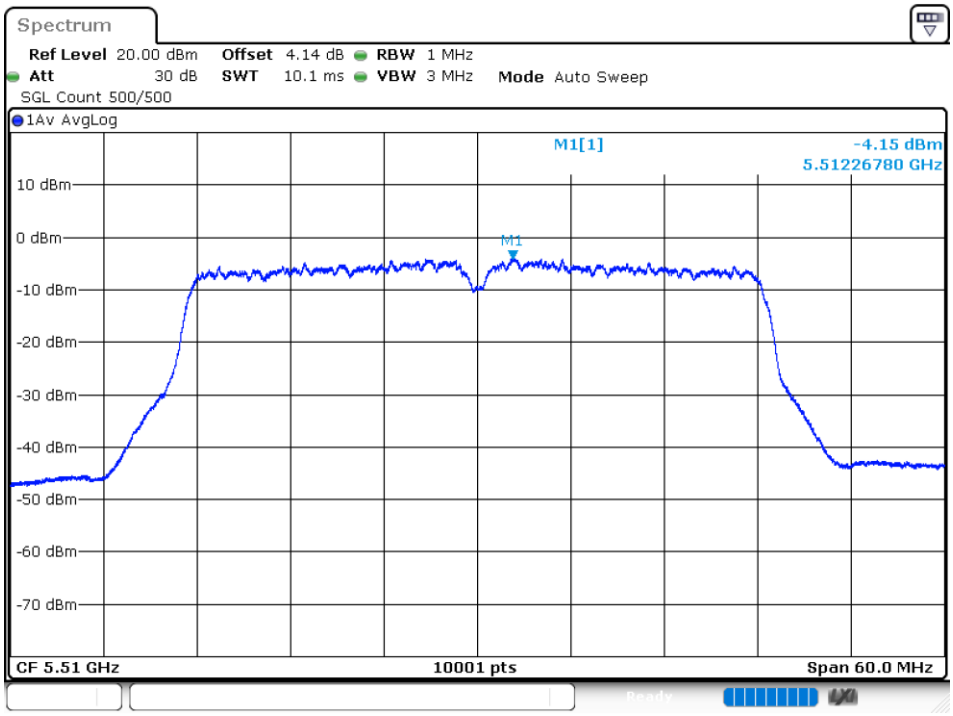
PSD NVNT ac20 5600MHz Ant1



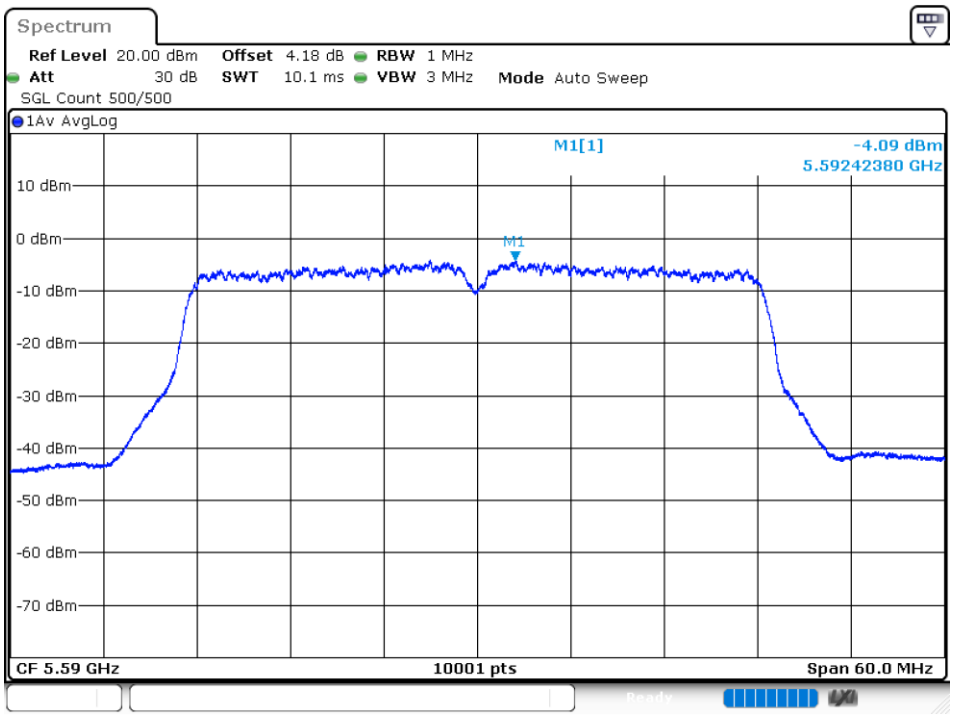
PSD NVNT ac20 5700MHz Ant1



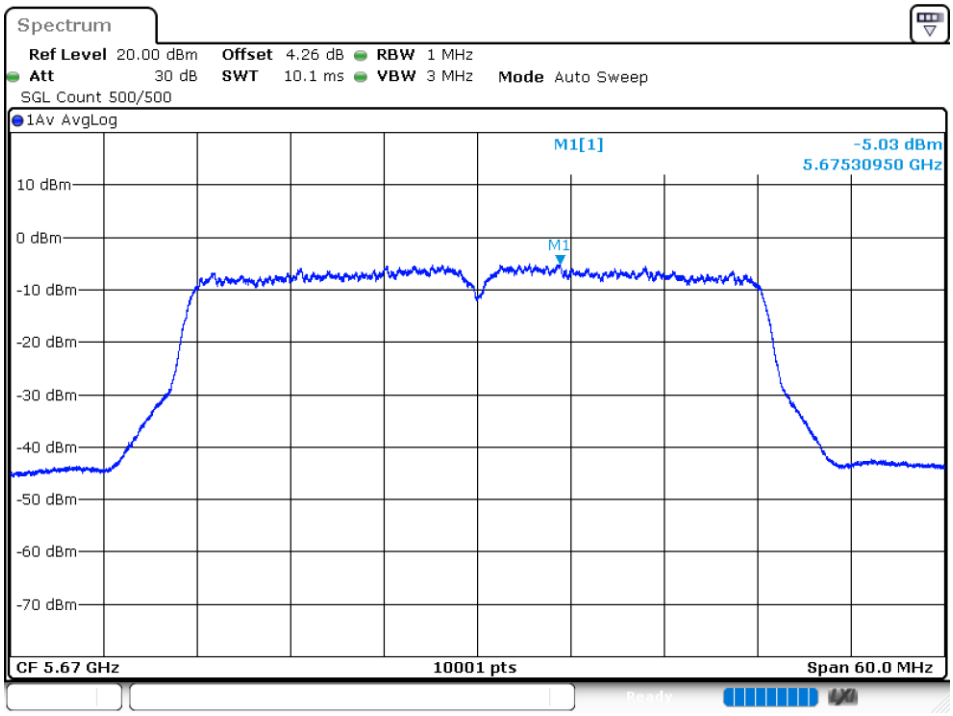
PSD NVNT ac40 5510MHz Ant1



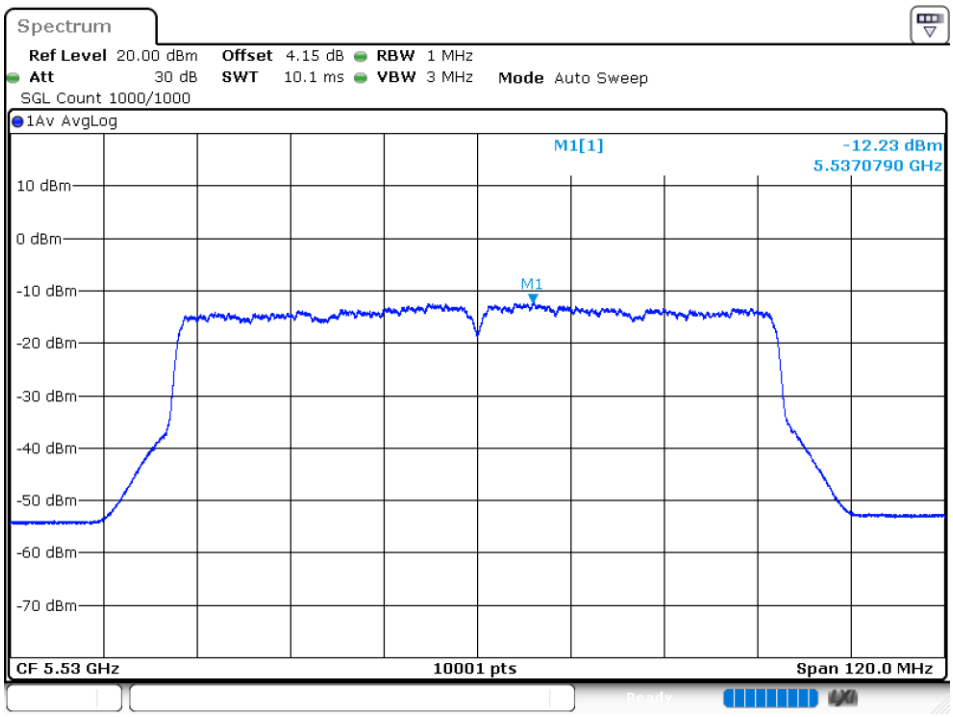
PSD NVNT ac40 5590MHz Ant1



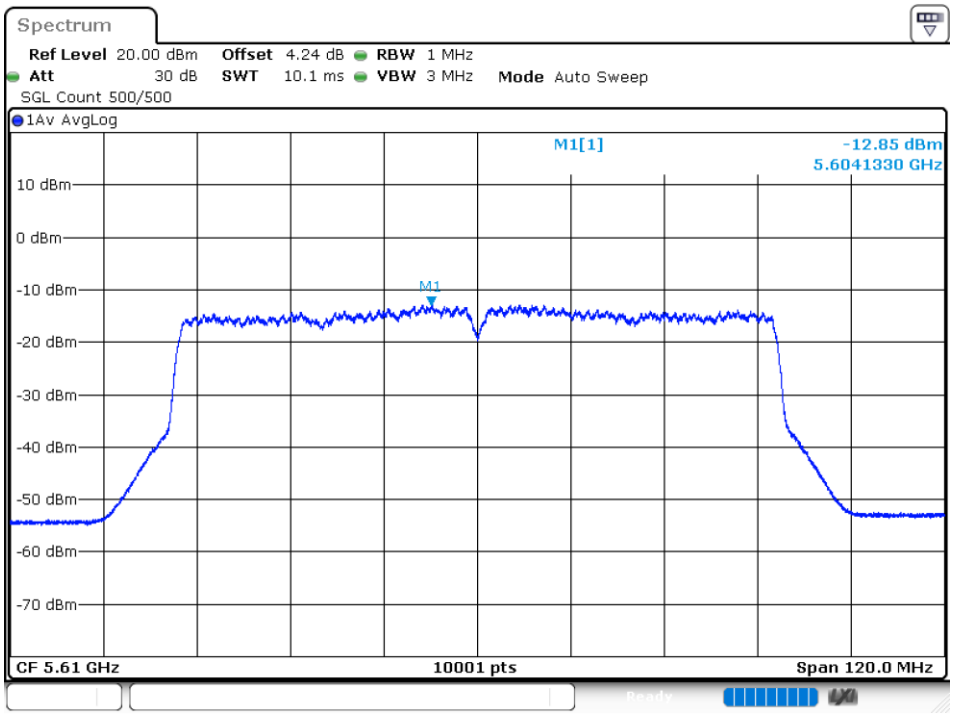
PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac80 5530MHz Ant1



PSD NVNT ac80 5610MHz Ant1

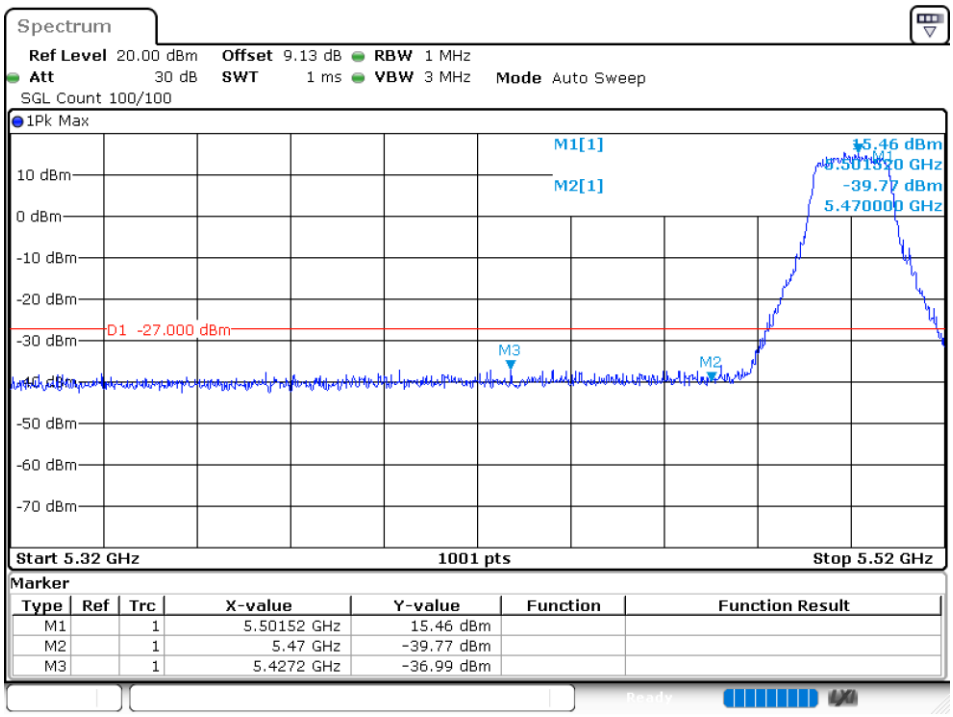


Band Edge

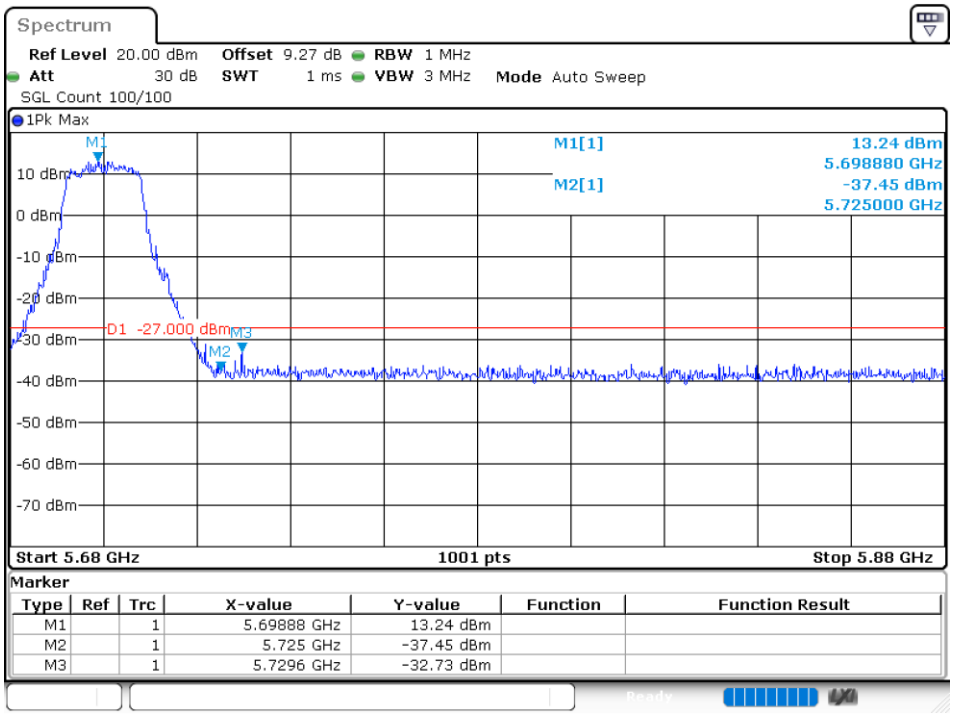
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-36.98	-27	Pass
NVNT	a	5700	Ant1	-32.73	-27	Pass
NVNT	n20	5500	Ant1	-37.2	-27	Pass
NVNT	n20	5700	Ant1	-33.9	-27	Pass
NVNT	n40	5510	Ant1	-33.18	-27	Pass
NVNT	n40	5670	Ant1	-34.49	-27	Pass
NVNT	ac20	5500	Ant1	-37.2	-27	Pass
NVNT	ac20	5700	Ant1	-35.63	-27	Pass
NVNT	ac40	5510	Ant1	-34.77	-27	Pass
NVNT	ac40	5670	Ant1	-35.15	-27	Pass
NVNT	ac80	5530	Ant1	-37.39	-27	Pass
NVNT	ac80	5610	Ant1	-37.98	-27	Pass

Test Graphs

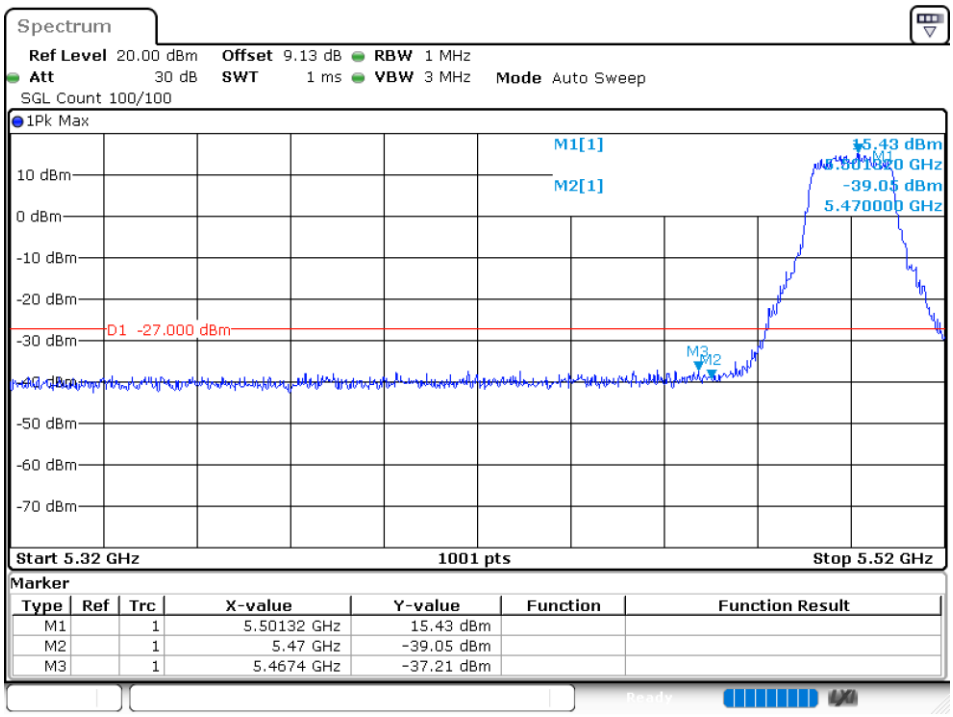
Band Edge NVNT a 5500MHz Low Ant1



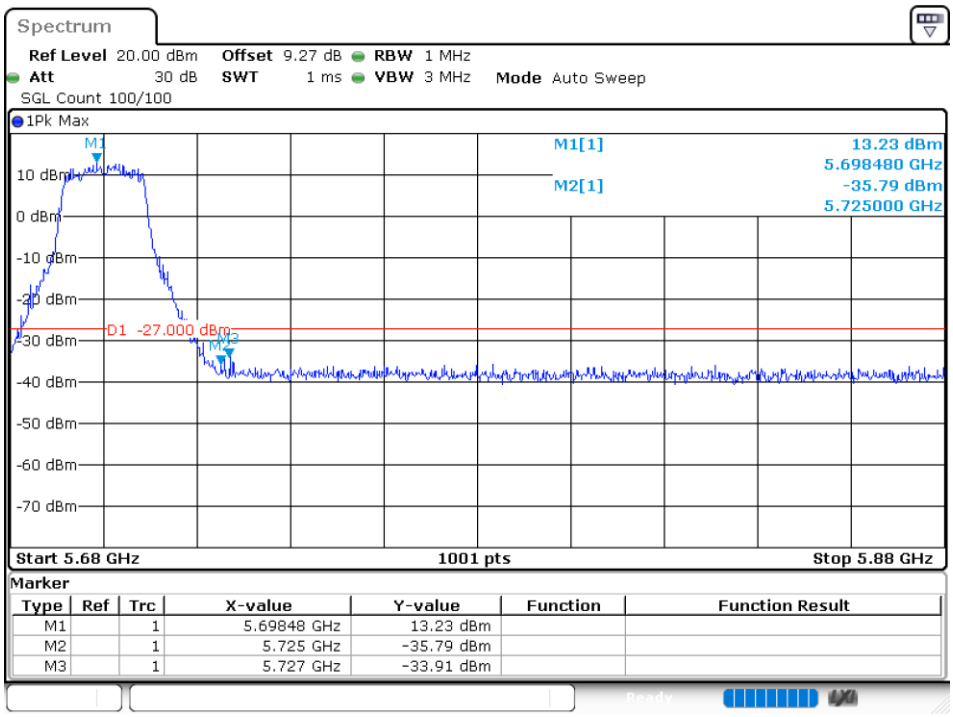
Band Edge NVNT a 5700MHz High Ant1



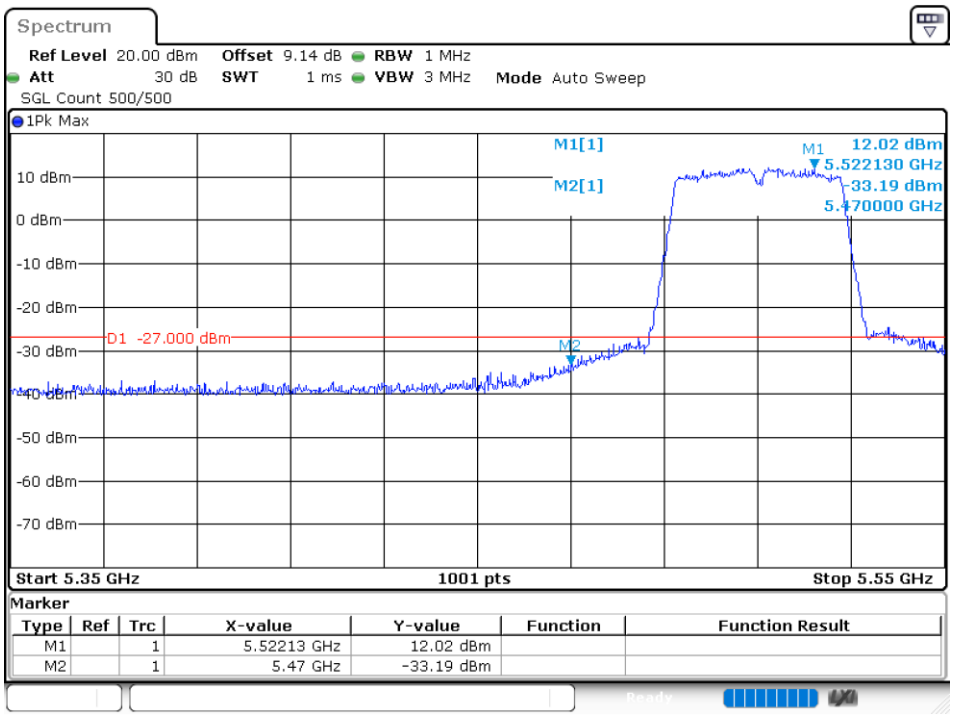
Band Edge NVNT n20 5500MHz Low Ant1



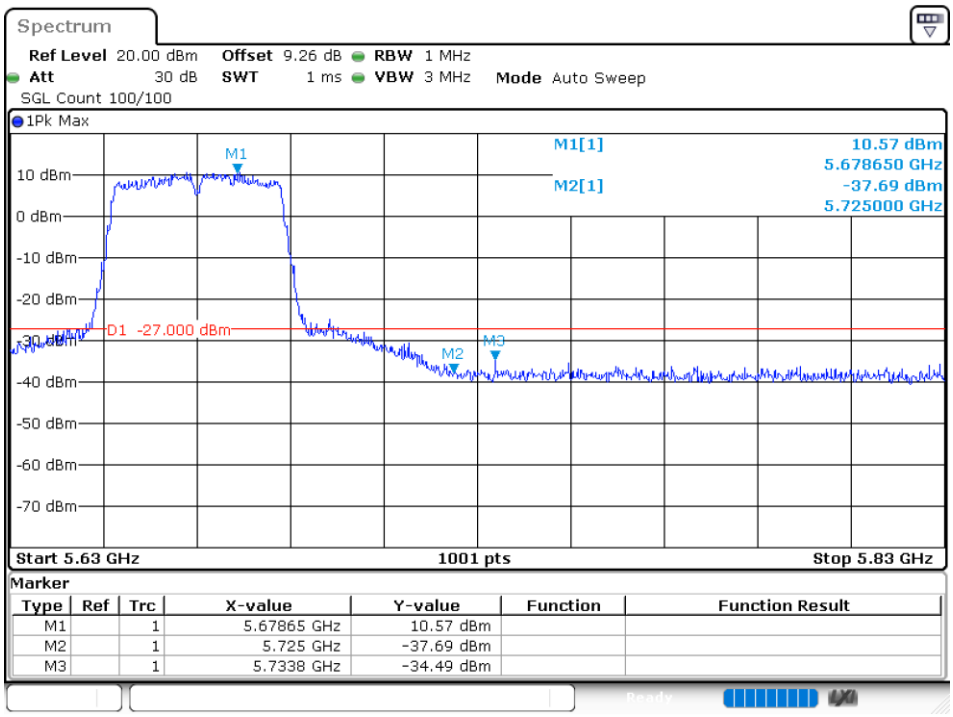
Band Edge NVNT n20 5700MHz High Ant1



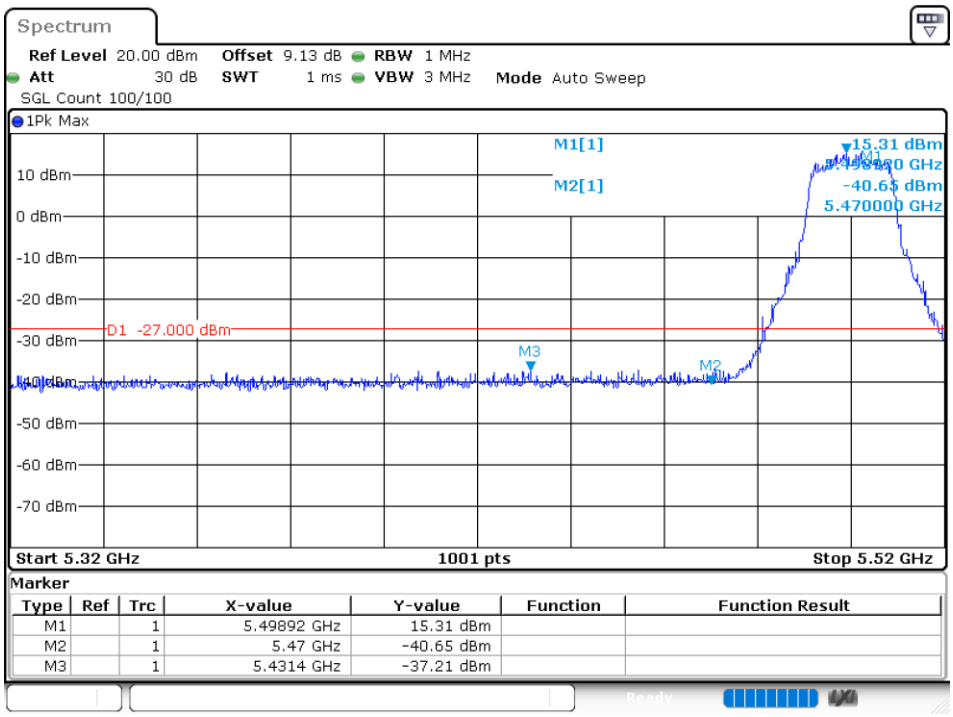
Band Edge NVNT n40 5510MHz Low Ant1



Band Edge NVNT n40 5670MHz High Ant1



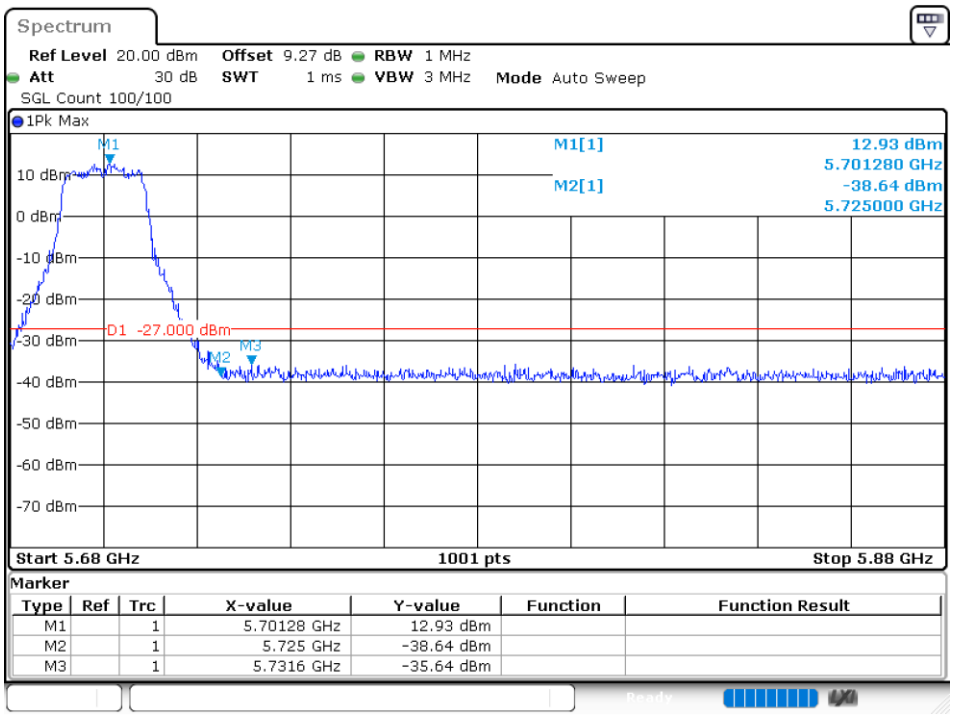
Band Edge NVNT ac20 5500MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.49892 GHz	15.31 dBm		
M2		1	5.47 GHz	-40.65 dBm		
M3		1	5.4314 GHz	-37.21 dBm		

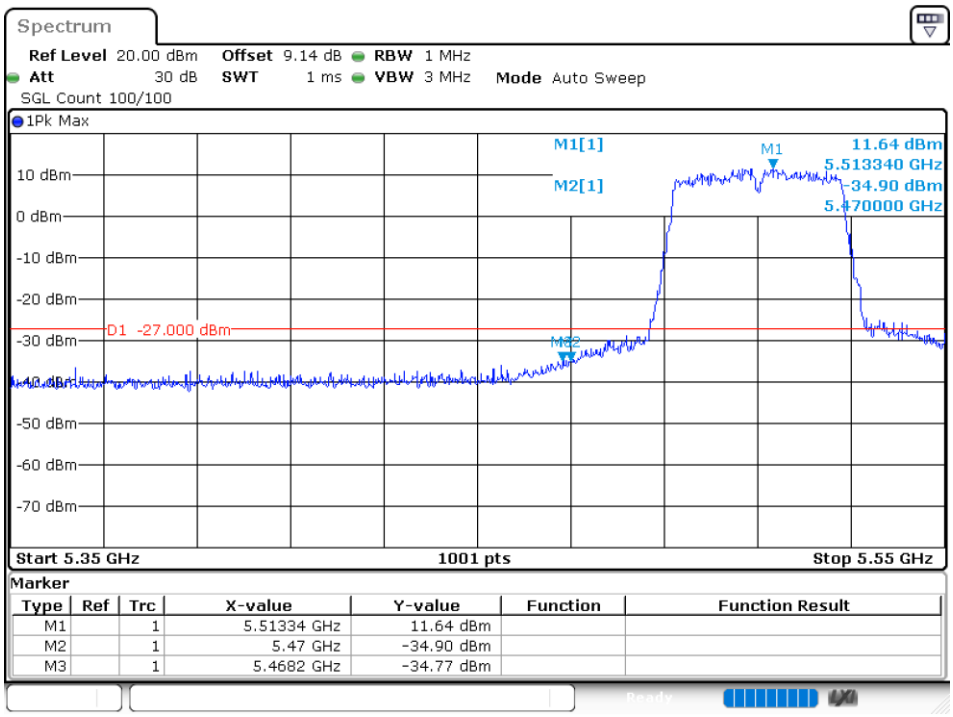
Band Edge NVNT ac20 5700MHz High Ant1



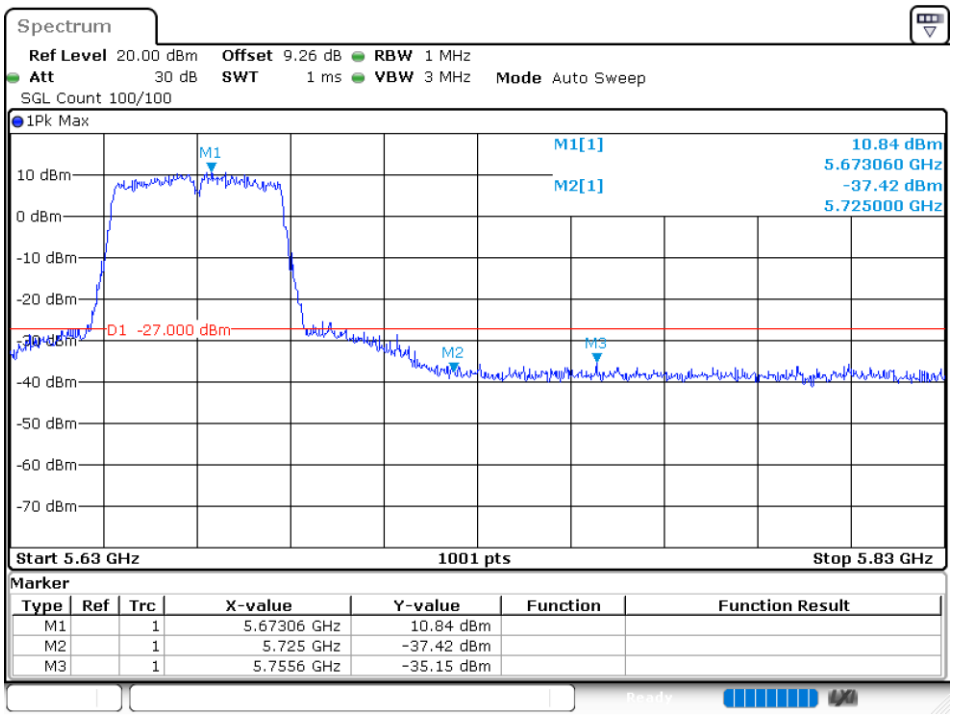
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.70128 GHz	12.93 dBm		
M2		1	5.725 GHz	-38.64 dBm		
M3		1	5.7316 GHz	-35.64 dBm		

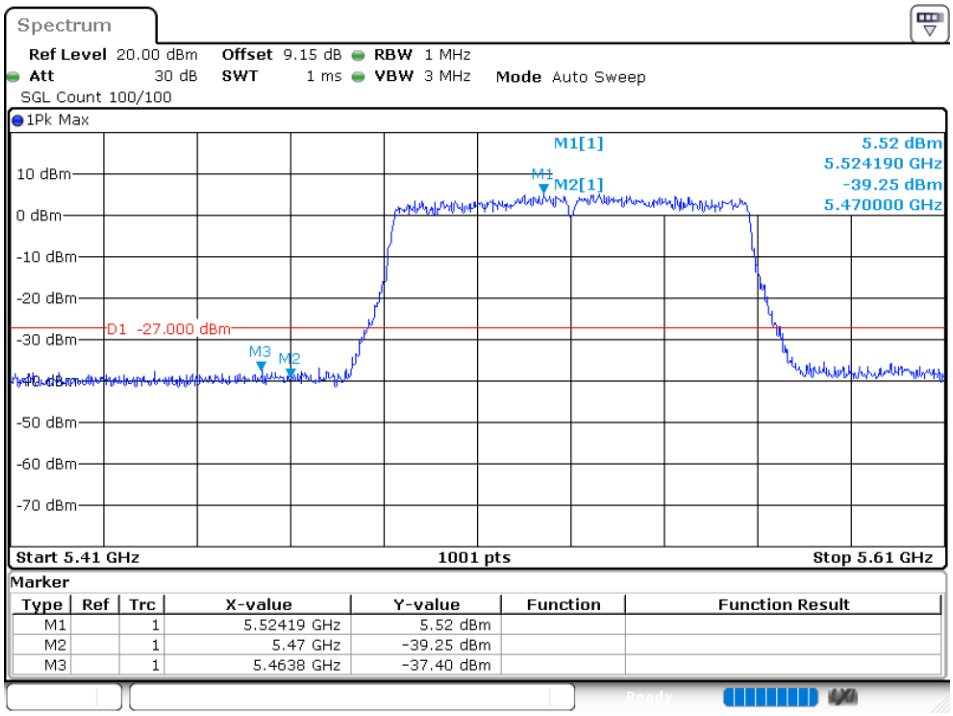
Band Edge NVNT ac40 5510MHz Low Ant1



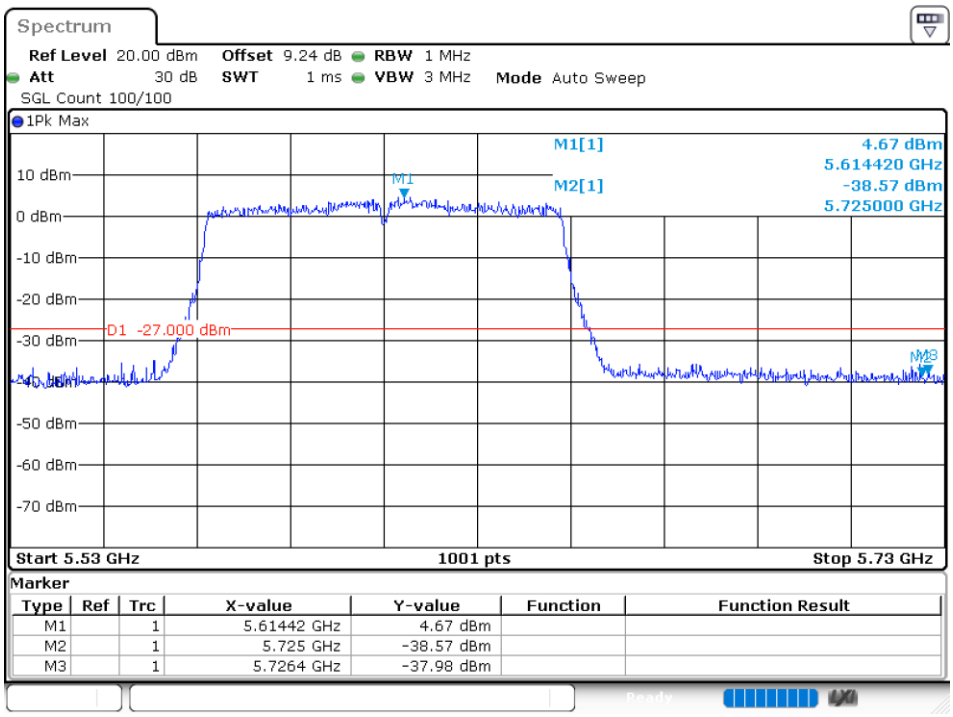
Band Edge NVNT ac40 5670MHz High Ant1



Band Edge NVNT ac80 5530MHz Low Ant1



Band Edge NVNT ac80 5610MHz High Ant1

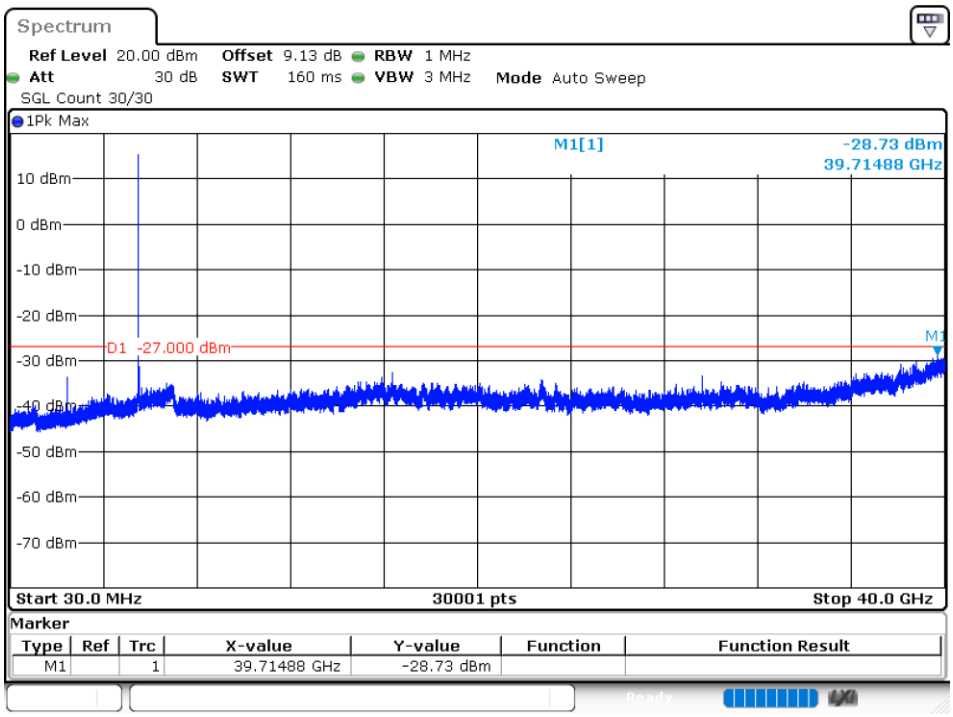


Conducted RF Spurious Emission

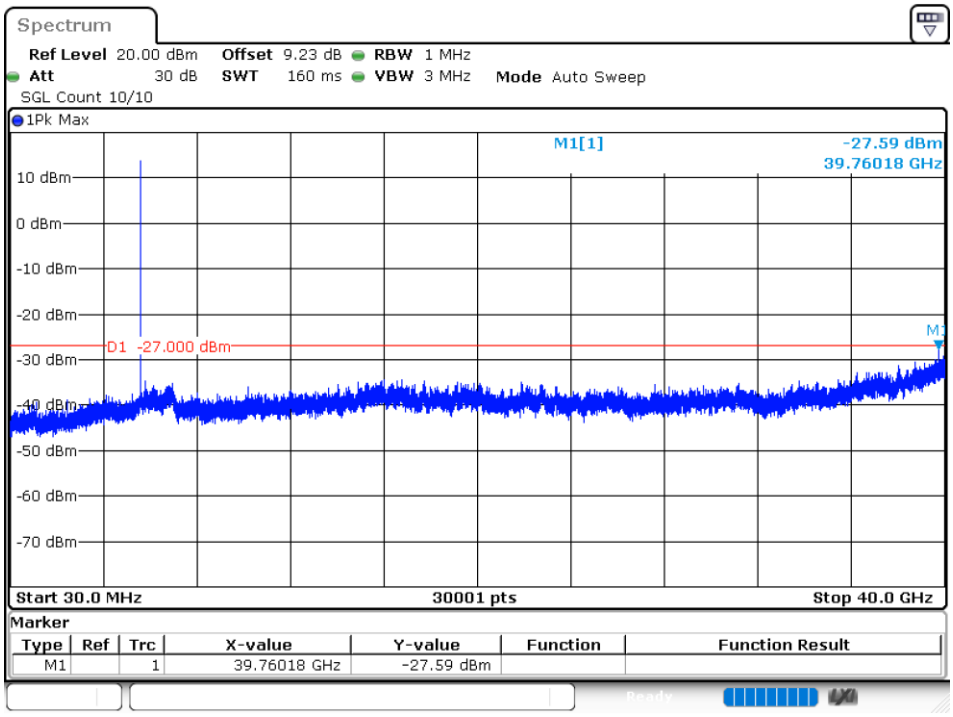
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-28.73	-27	Pass
NVNT	a	5600	Ant1	-27.59	-27	Pass
NVNT	a	5700	Ant1	-29.12	-27	Pass
NVNT	n20	5500	Ant1	-29.66	-27	Pass
NVNT	n20	5600	Ant1	-28.5	-27	Pass
NVNT	n20	5700	Ant1	-29.13	-27	Pass
NVNT	n40	5510	Ant1	-29.31	-27	Pass
NVNT	n40	5590	Ant1	-29.85	-27	Pass
NVNT	n40	5670	Ant1	-29.6	-27	Pass
NVNT	ac20	5500	Ant1	-28.67	-27	Pass
NVNT	ac20	5600	Ant1	-28.77	-27	Pass
NVNT	ac20	5700	Ant1	-28.62	-27	Pass
NVNT	ac40	5510	Ant1	-29.44	-27	Pass
NVNT	ac40	5590	Ant1	-29.5	-27	Pass
NVNT	ac40	5670	Ant1	-29.27	-27	Pass
NVNT	ac80	5530	Ant1	-29.04	-27	Pass
NVNT	ac80	5610	Ant1	-29.41	-27	Pass

Test Graphs

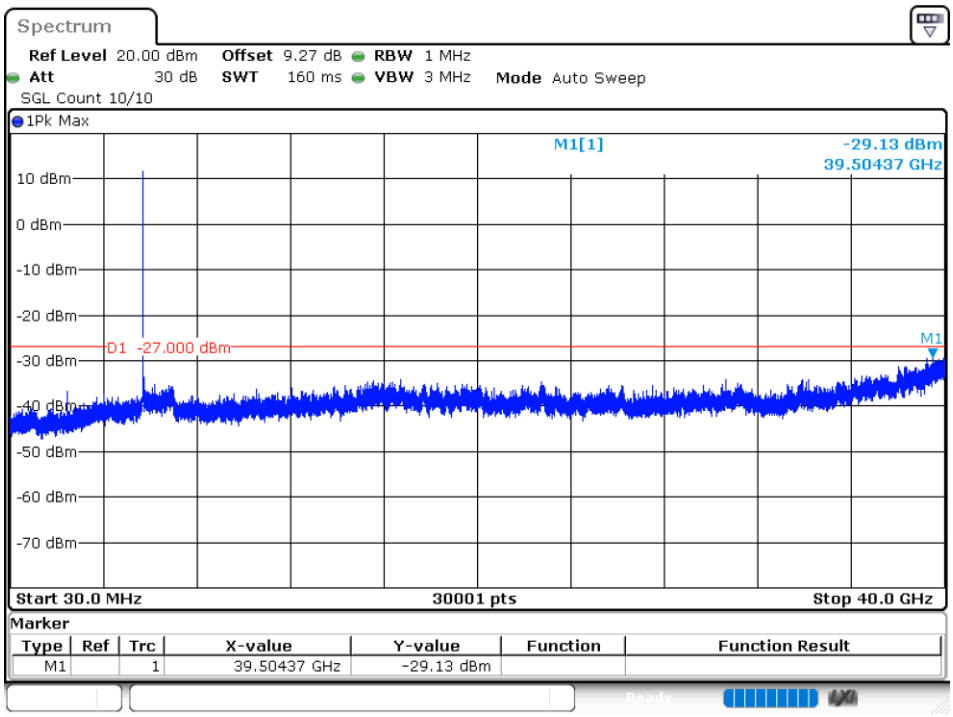
Tx. Spurious NVNT a 5500MHz Ant1 Emission



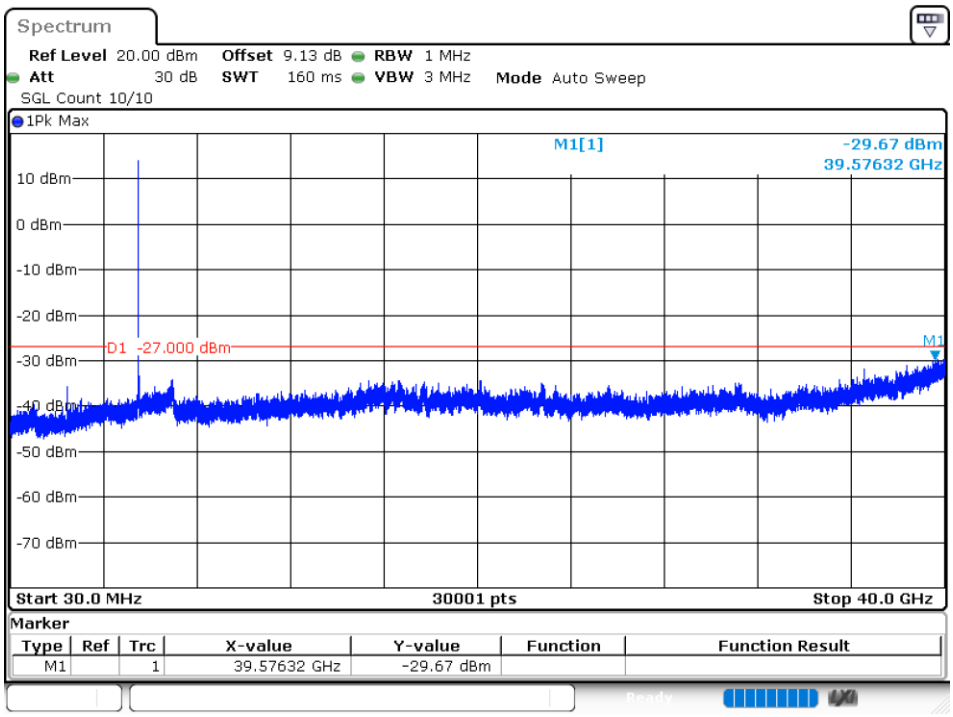
Tx. Spurious NVNT a 5600MHz Ant1 Emission



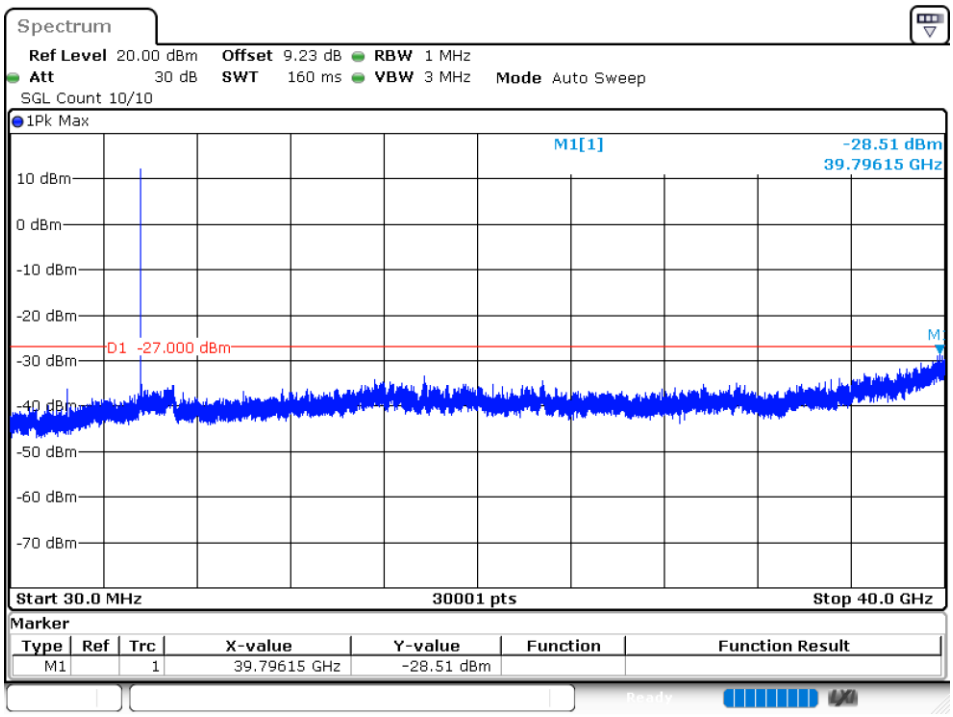
Tx. Spurious NVNT a 5700MHz Ant1 Emission



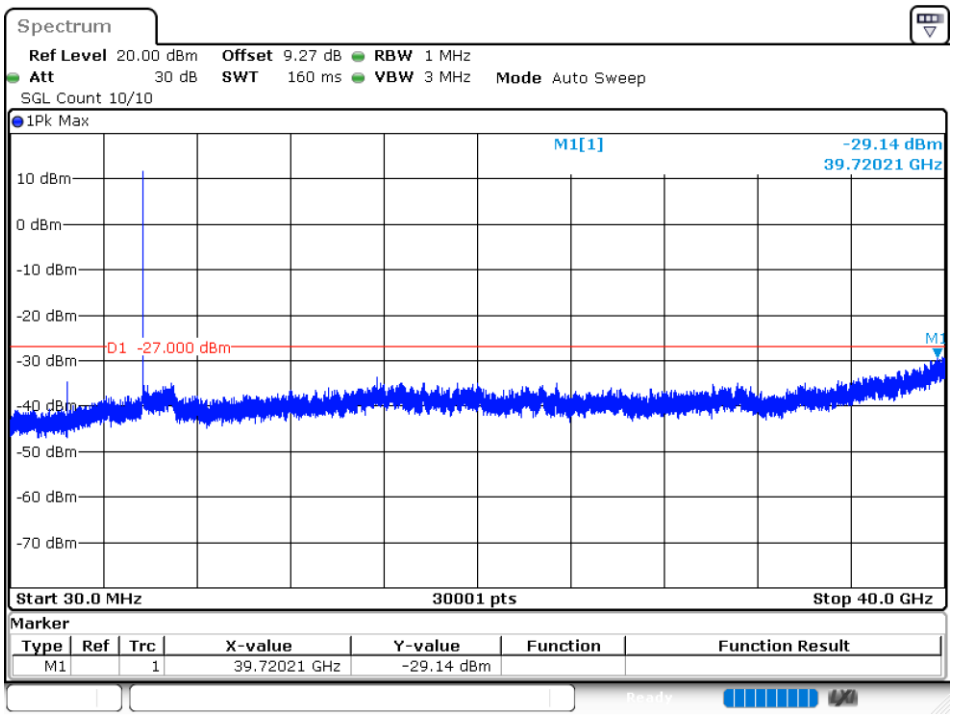
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



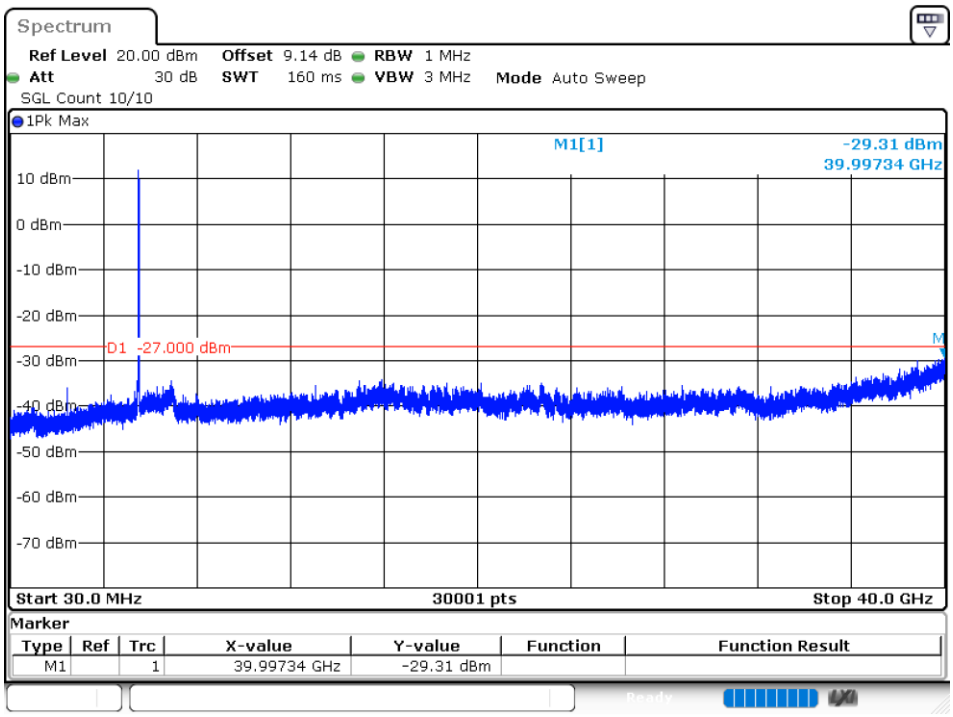
Tx. Spurious NVNT n20 5600MHz Ant1 Emission



Tx. Spurious NVNT n20 5700MHz Ant1 Emission



Tx. Spurious NVNT n40 5510MHz Ant1 Emission



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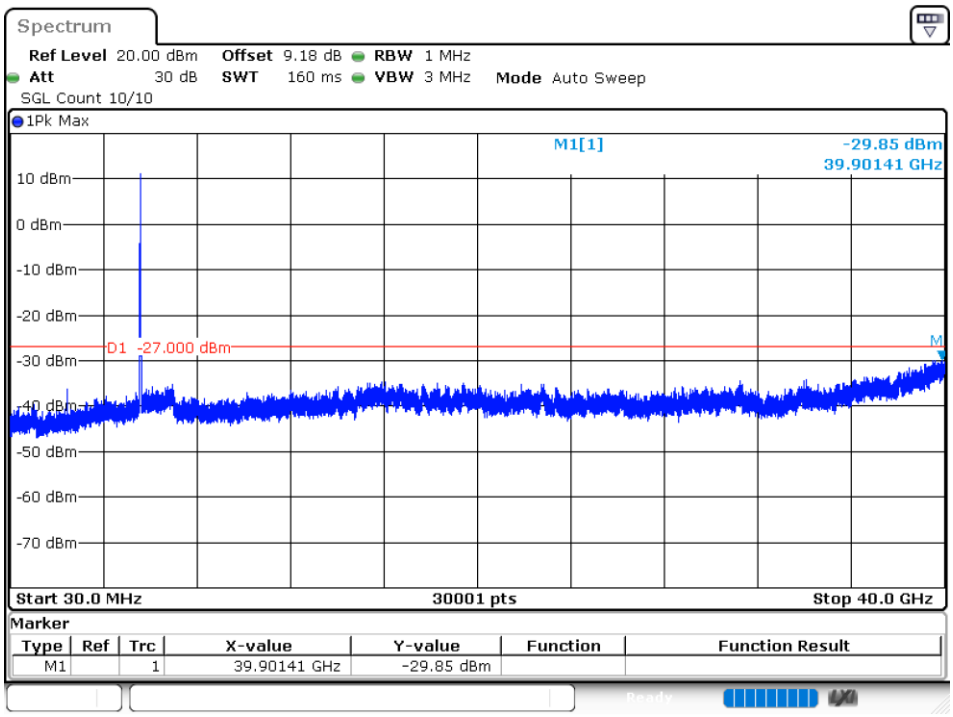
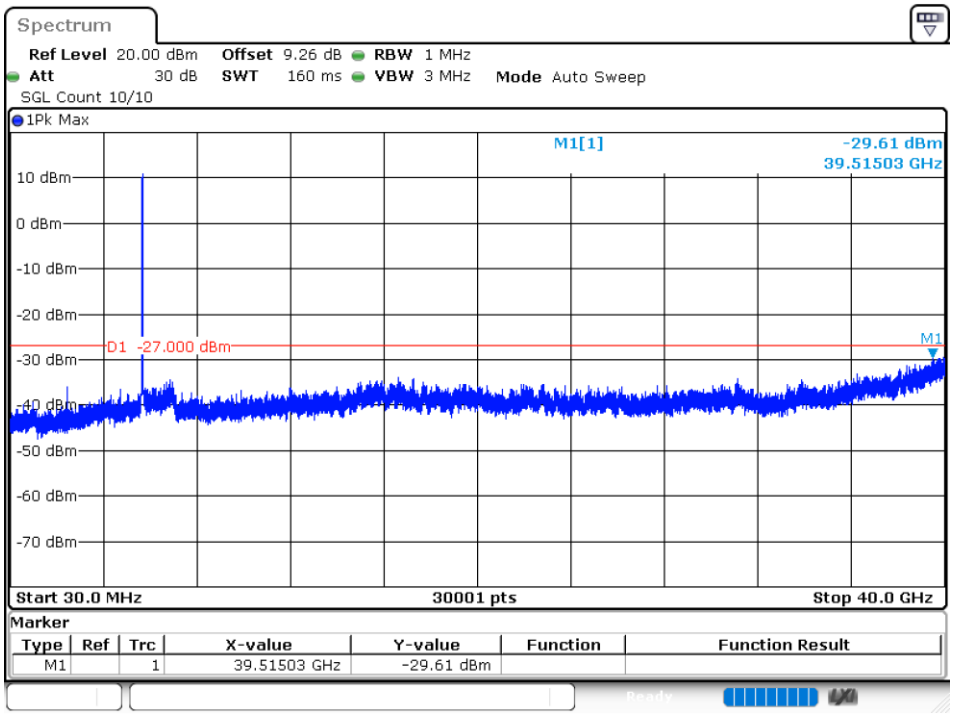
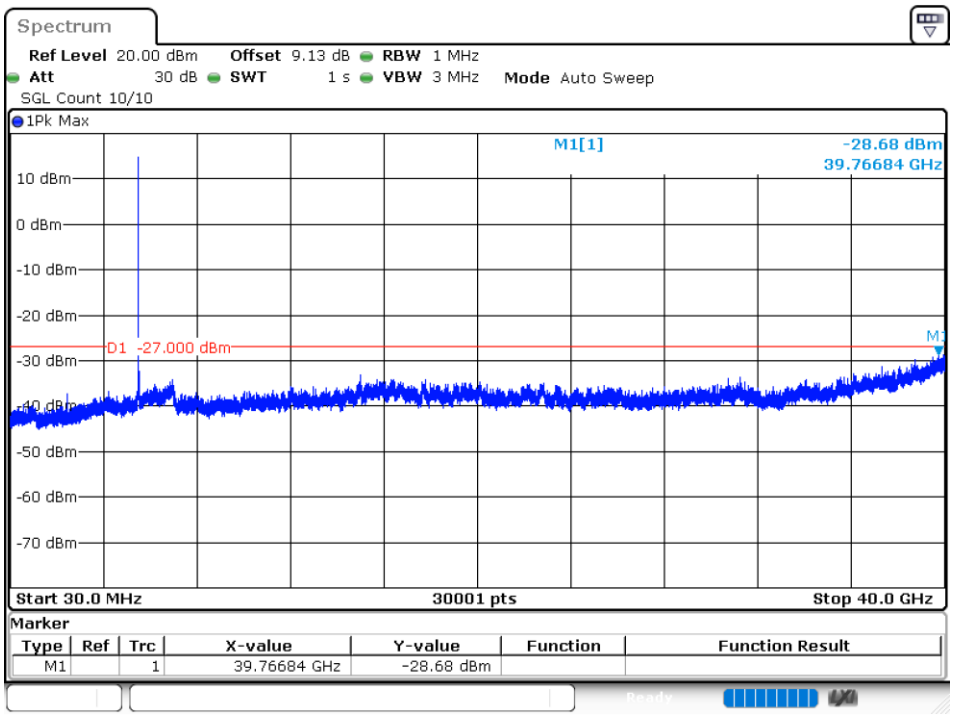


Tx. Spurious NVNT n40 5670MHz Ant1 Emission



Tx. Spurious NVNT ac20 5500MHz Ant1 Emission