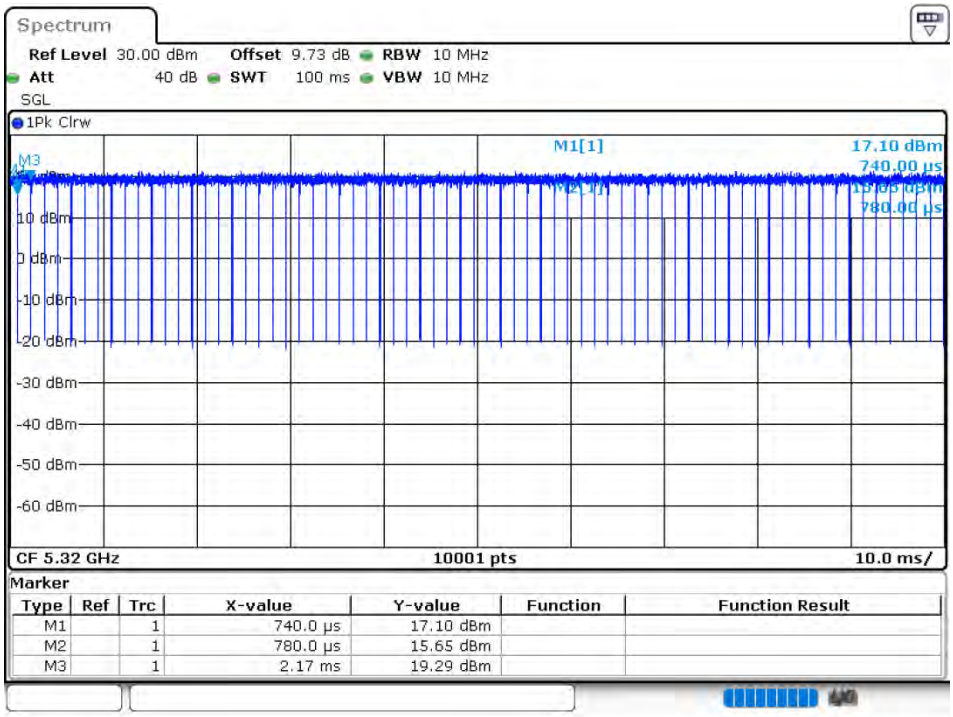
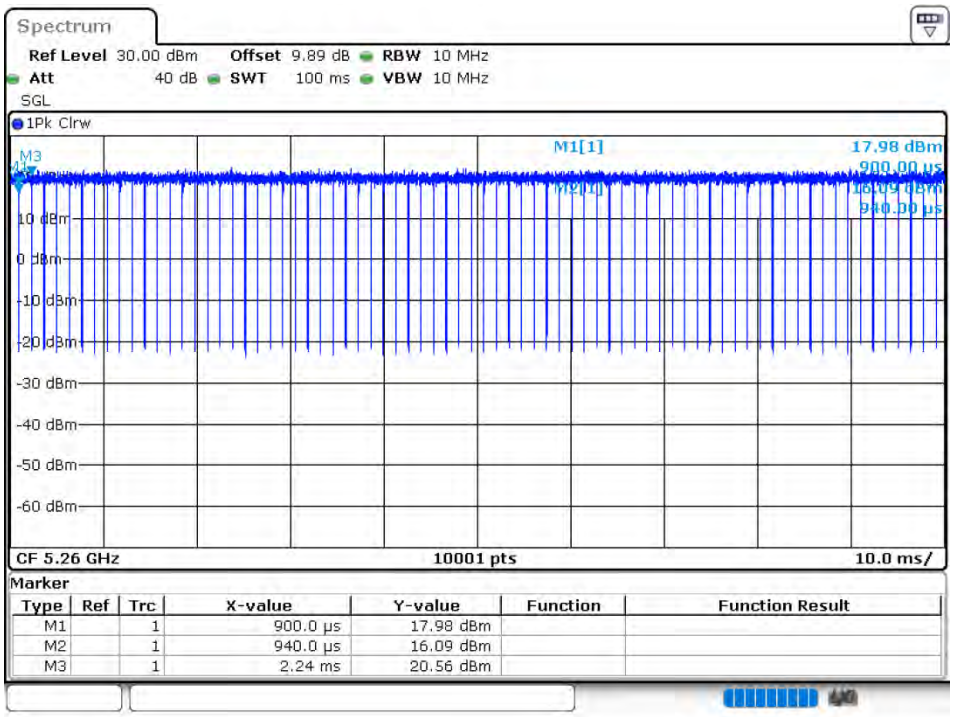
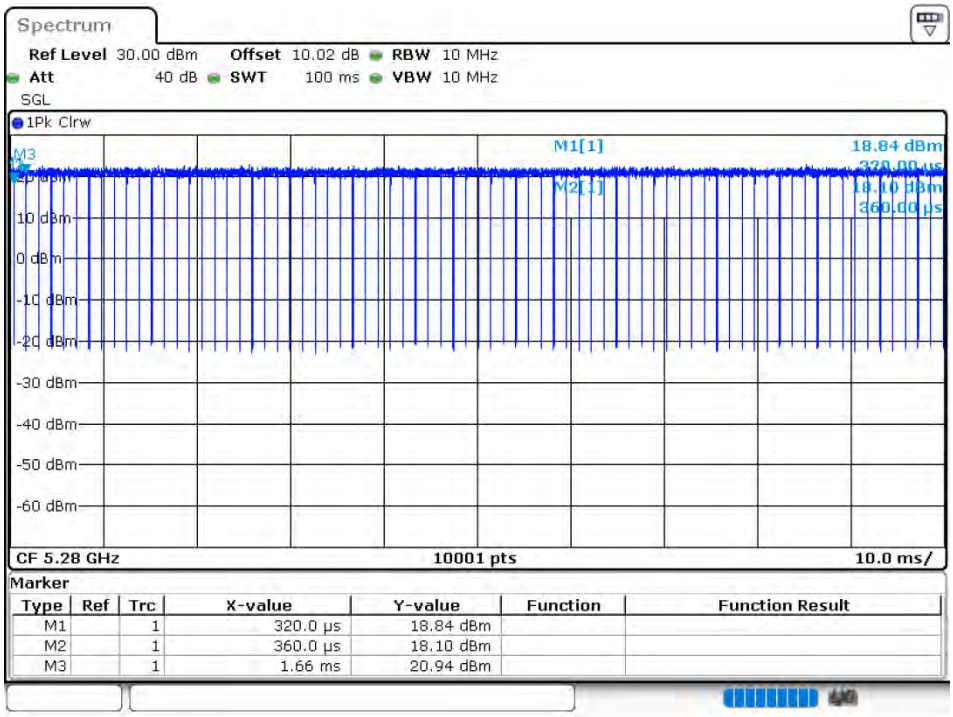
Duty Cycle NVNT a 5320MHz Ant1



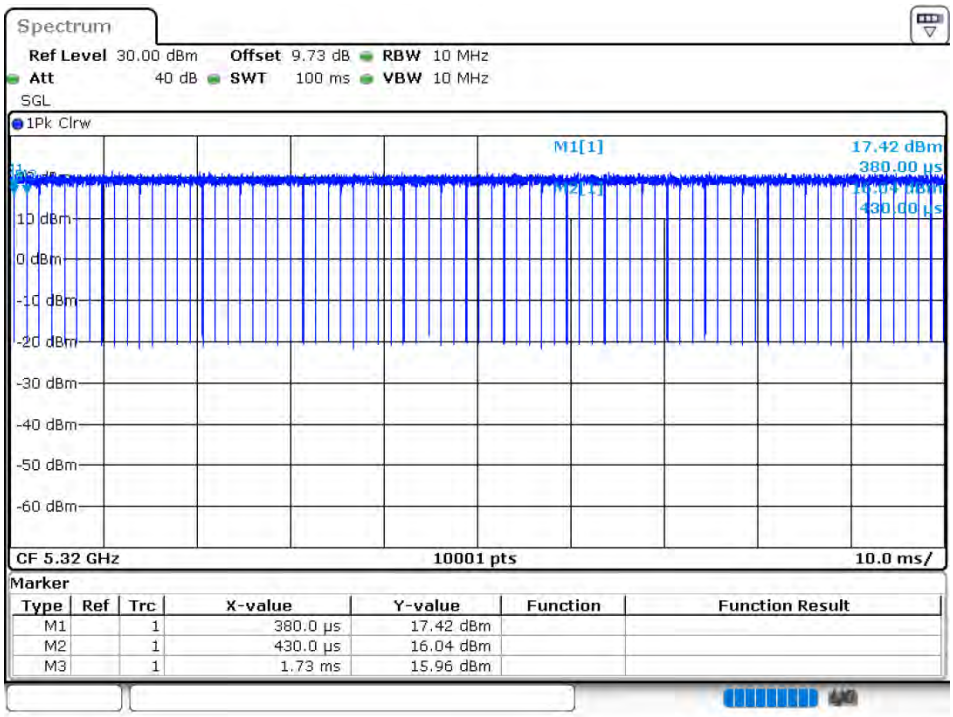
Duty Cycle NVNT n20 5260MHz Ant1



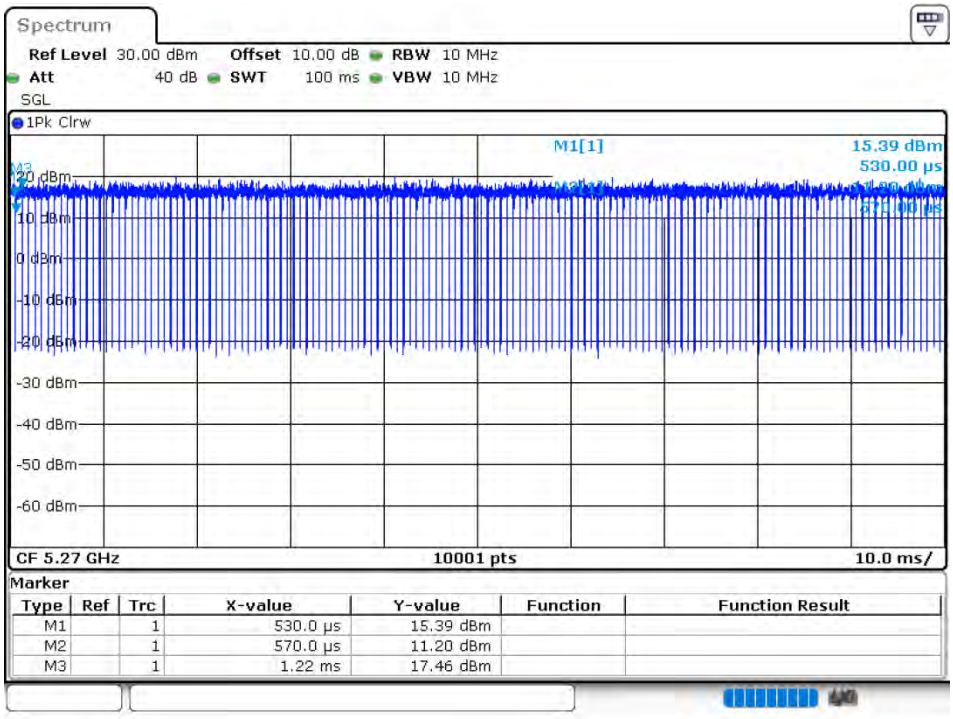
Duty Cycle NVNT n20 5280MHz Ant1



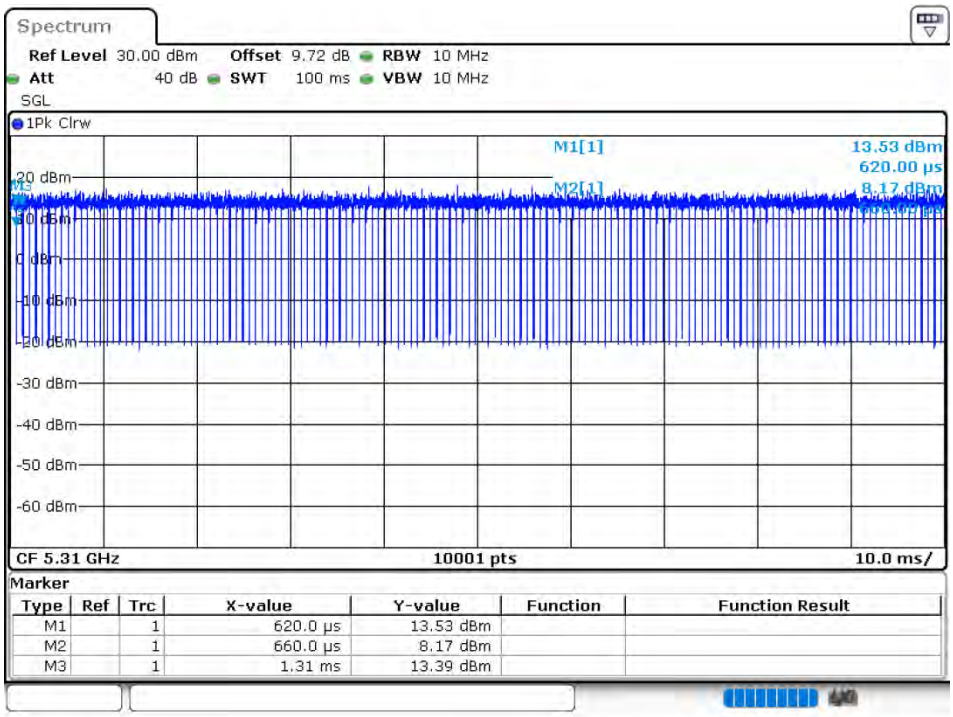
Duty Cycle NVNT n20 5320MHz Ant1



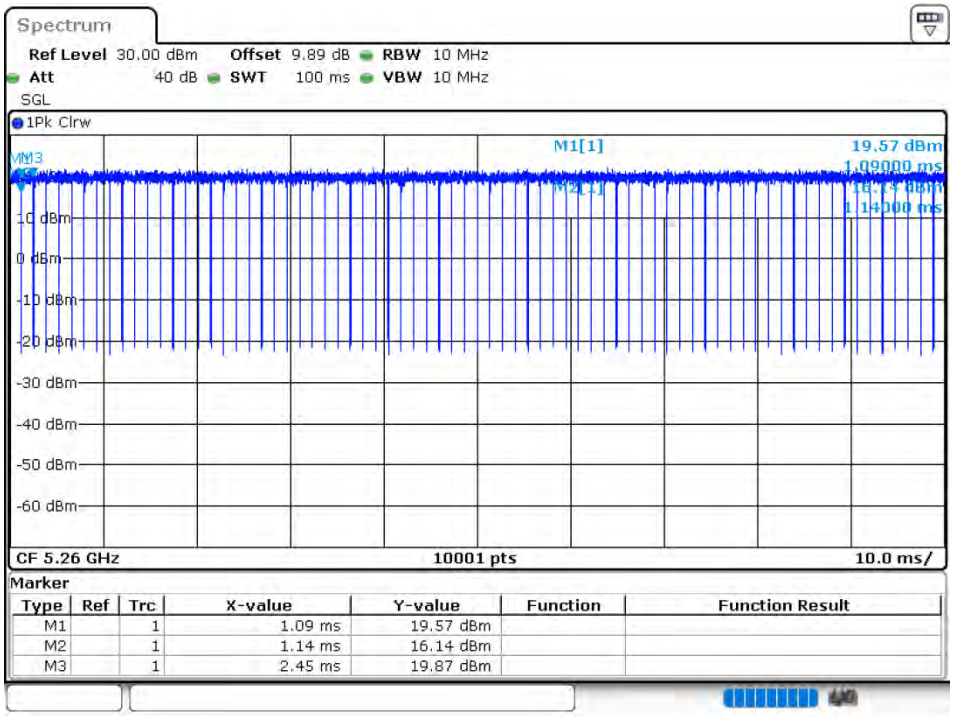
Duty Cycle NVNT n40 5270MHz Ant1



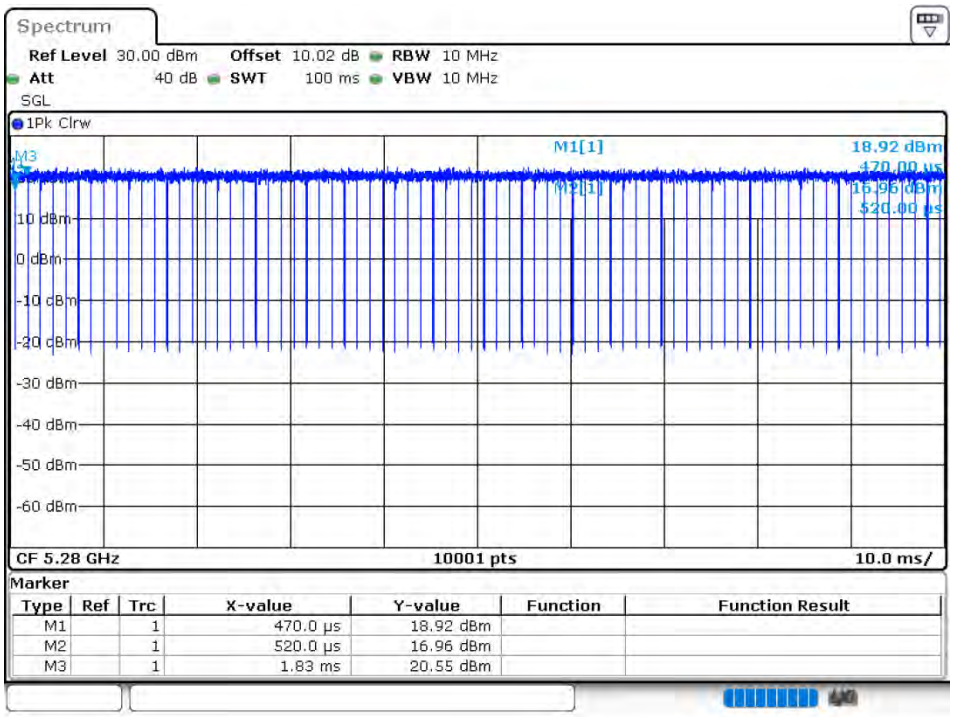
Duty Cycle NVNT n40 5310MHz Ant1



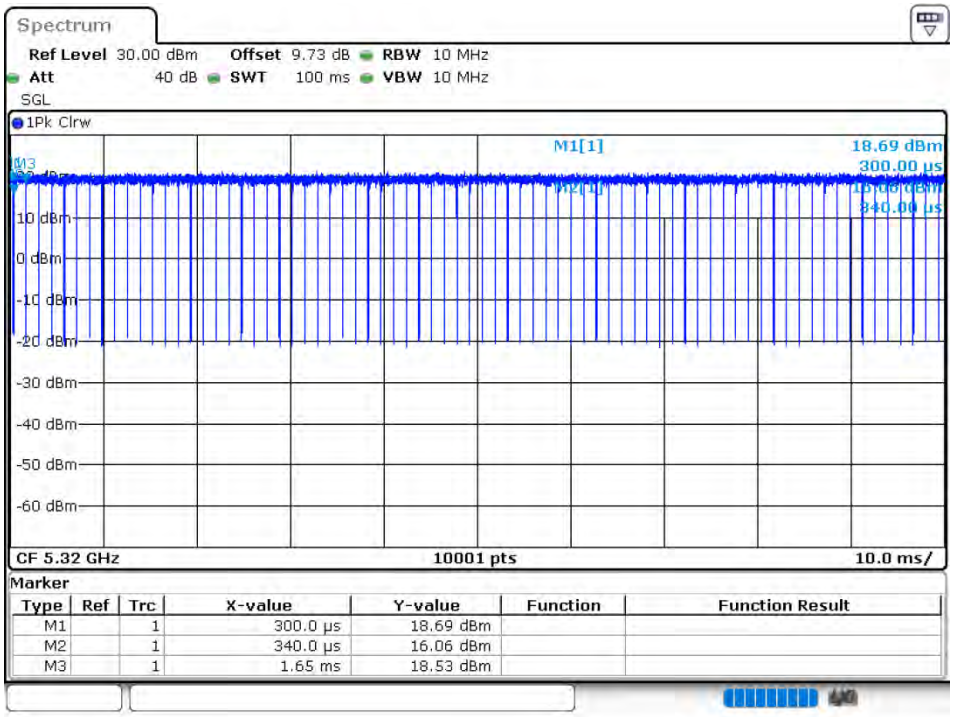
Duty Cycle NVNT ac20 5260MHz Ant1



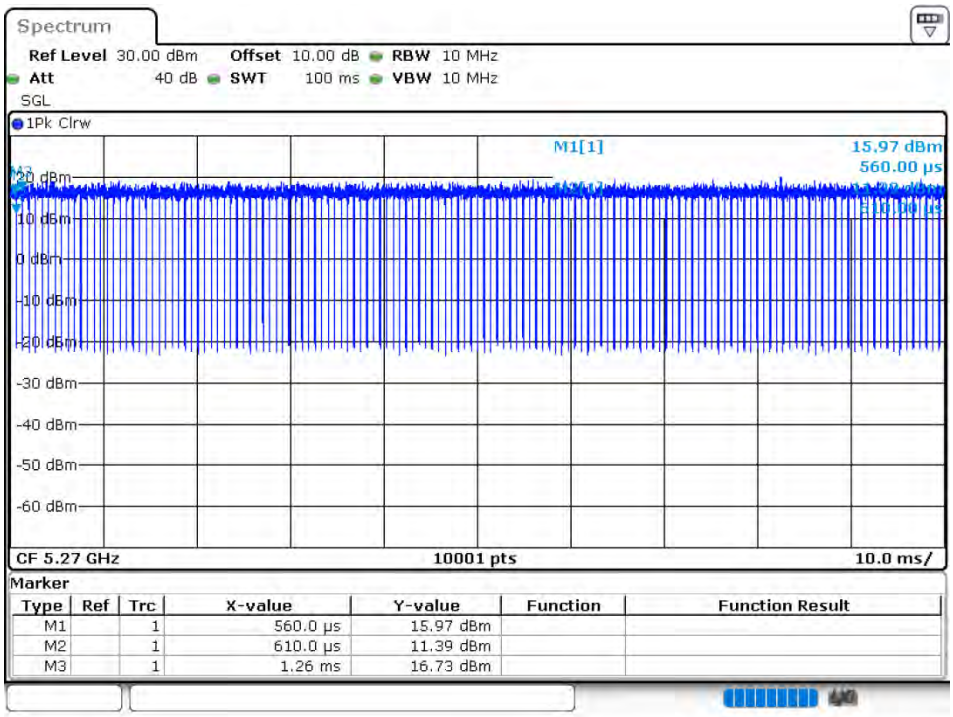
Duty Cycle NVNT ac20 5280MHz Ant1



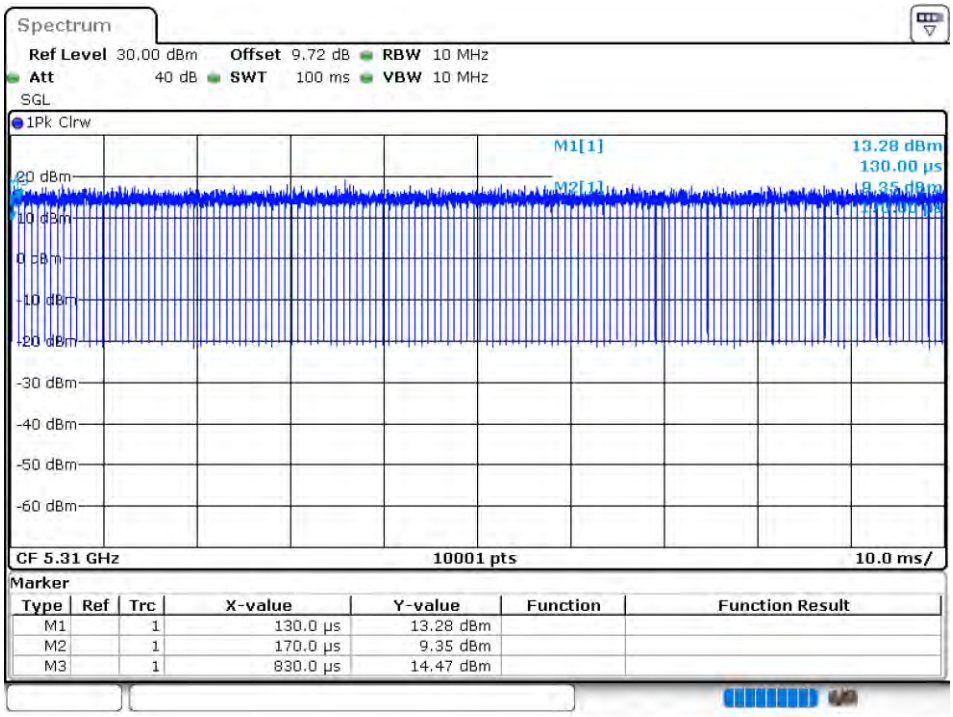
Duty Cycle NVNT ac20 5320MHz Ant1



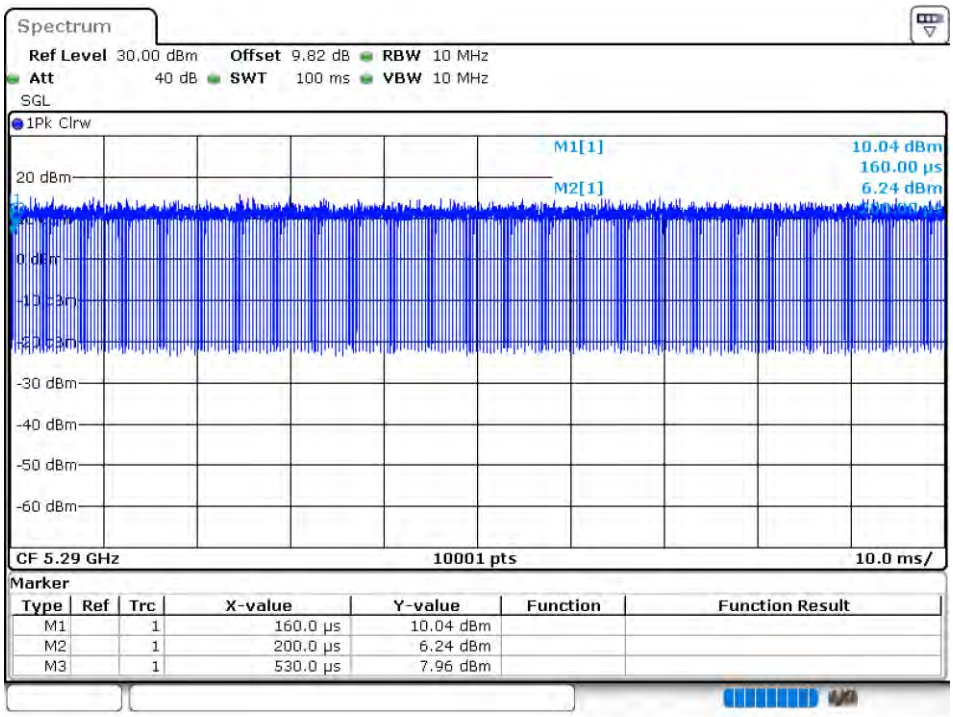
Duty Cycle NVNT ac40 5270MHz Ant1



Duty Cycle NVNT ac40 5310MHz Ant1



Duty Cycle NVNT ac80 5290MHz Ant1



Maximum Conducted Output Power

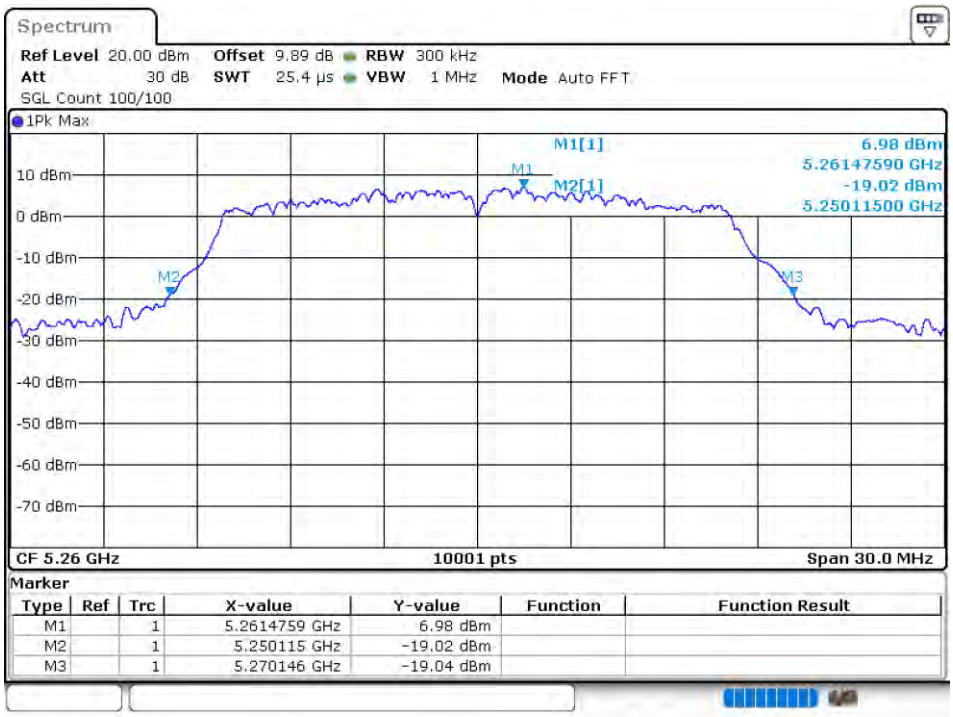
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	15.4	0.11	15.51	24	Pass
NVNT	a	5280	Ant1	15.31	0.11	15.42	24	Pass
NVNT	a	5320	Ant1	14.16	0.11	14.27	24	Pass
NVNT	n20	5260	Ant1	14.18	0.11	14.29	24	Pass
NVNT	n20	5280	Ant1	15.22	0.11	15.33	24	Pass
NVNT	n20	5320	Ant1	14.61	0.11	14.72	24	Pass
NVNT	n40	5270	Ant1	12.33	0.22	12.55	24	Pass
NVNT	n40	5310	Ant1	11.32	0.22	11.54	24	Pass
NVNT	ac20	5260	Ant1	14.21	0.11	14.32	24	Pass
NVNT	ac20	5280	Ant1	14.15	0.11	14.26	24	Pass
NVNT	ac20	5320	Ant1	14.6	0.11	14.71	24	Pass
NVNT	ac40	5270	Ant1	12.38	0.22	12.6	24	Pass
NVNT	ac40	5310	Ant1	11.88	0.22	12.1	24	Pass
NVNT	ac80	5290	Ant1	11.21	0.43	11.64	24	Pass

-26dB Bandwidth

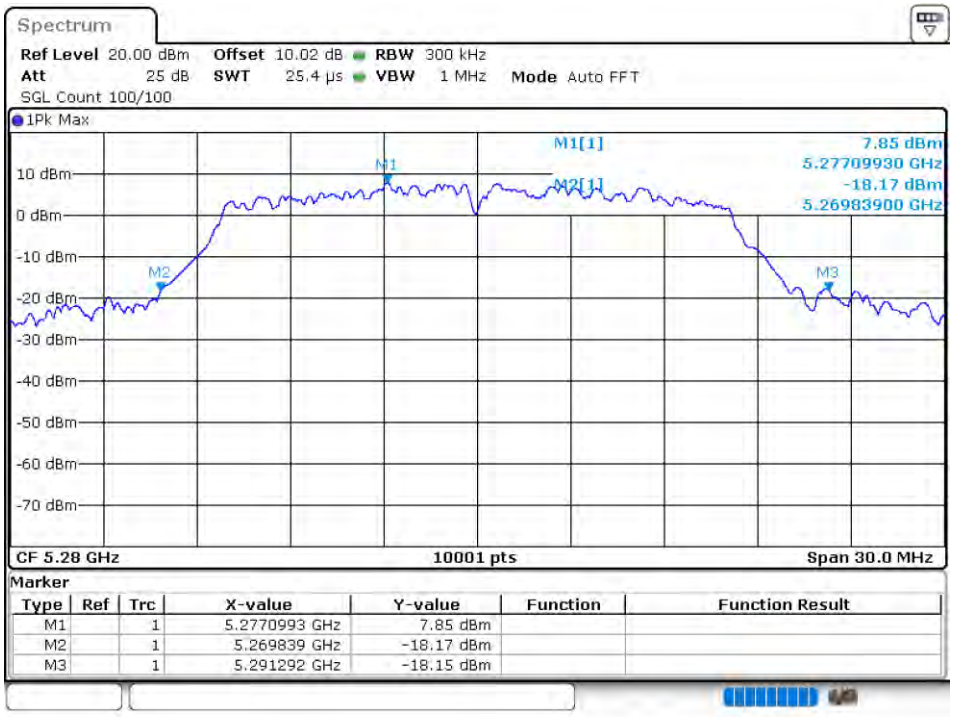
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	20.031	Pass
NVNT	a	5280	Ant1	21.453	Pass
NVNT	a	5320	Ant1	19.998	Pass
NVNT	n20	5260	Ant1	23.592	Pass
NVNT	n20	5280	Ant1	20.295	Pass
NVNT	n20	5320	Ant1	20.241	Pass
NVNT	n40	5270	Ant1	41.202	Pass
NVNT	n40	5310	Ant1	40.734	Pass
NVNT	ac20	5260	Ant1	20.337	Pass
NVNT	ac20	5280	Ant1	20.274	Pass
NVNT	ac20	5320	Ant1	23.22	Pass
NVNT	ac40	5270	Ant1	40.8	Pass
NVNT	ac40	5310	Ant1	40.974	Pass
NVNT	ac80	5290	Ant1	80.928	Pass

Test Graphs

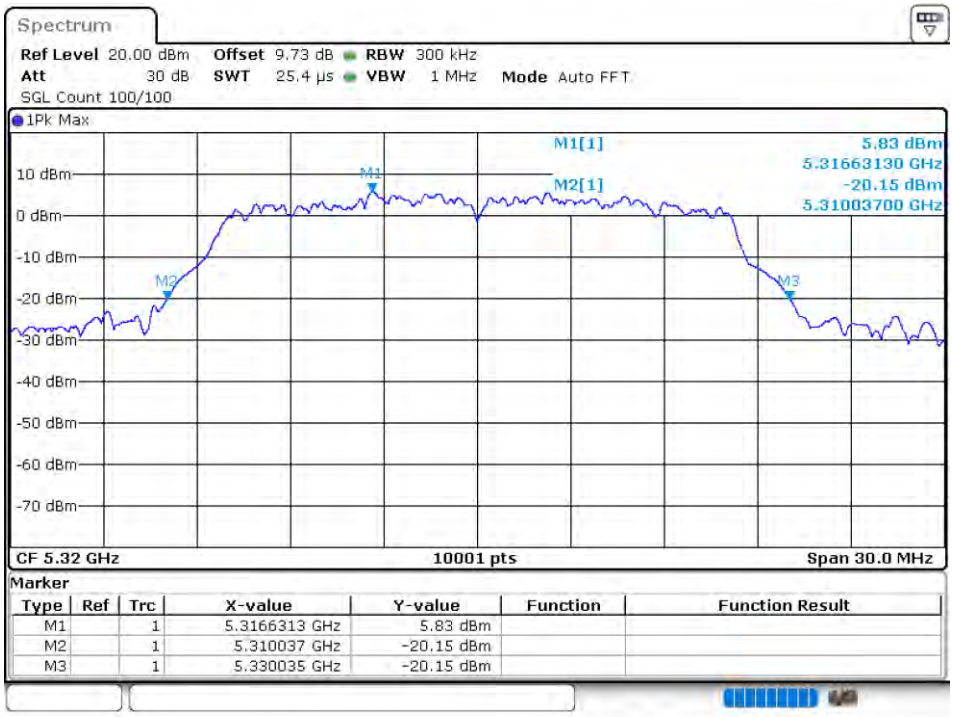
-26dB Bandwidth NVNT a 5260MHz Ant1



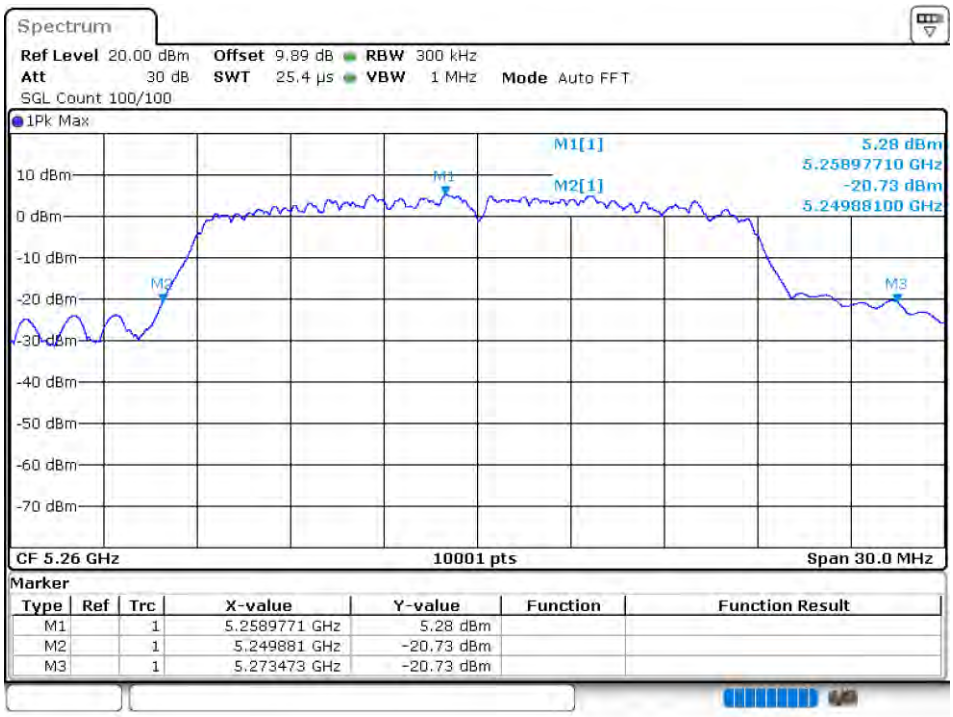
-26dB Bandwidth NVNT a 5280MHz Ant1



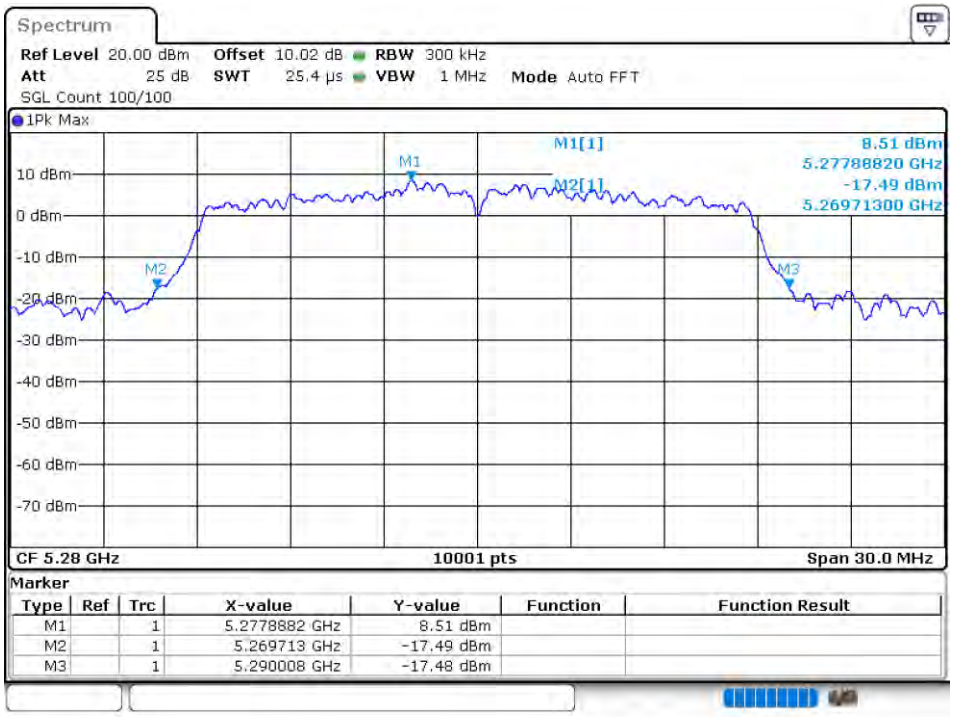
-26dB Bandwidth NVNT a 5320MHz Ant1



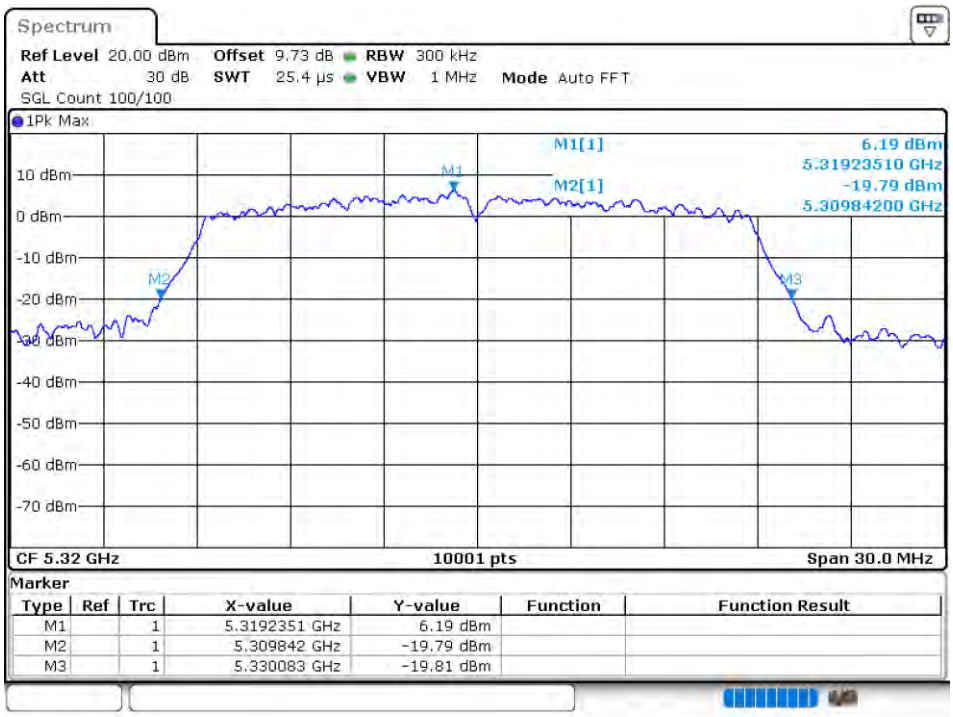
-26dB Bandwidth NVNT n20 5260MHz Ant1



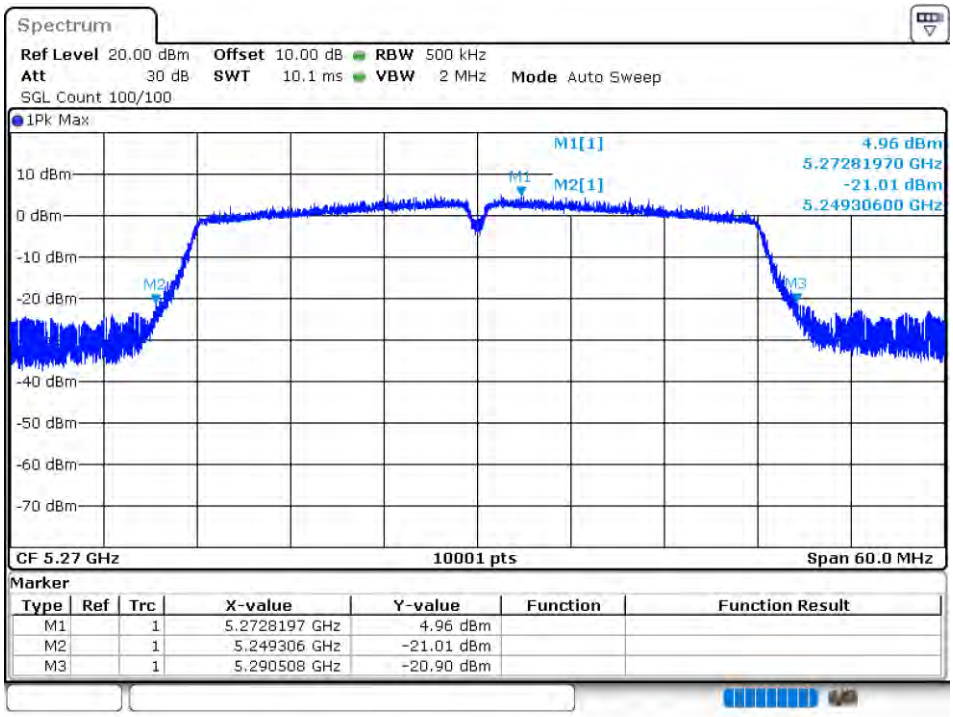
-26dB Bandwidth NVNT n20 5280MHz Ant1



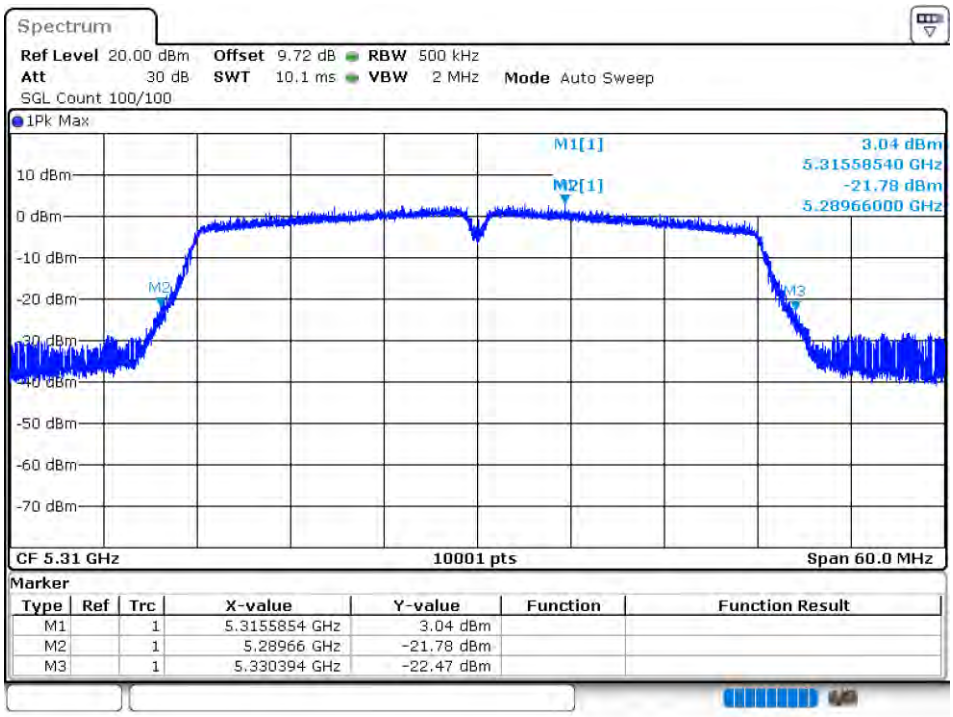
-26dB Bandwidth NVNT n20 5320MHz Ant1



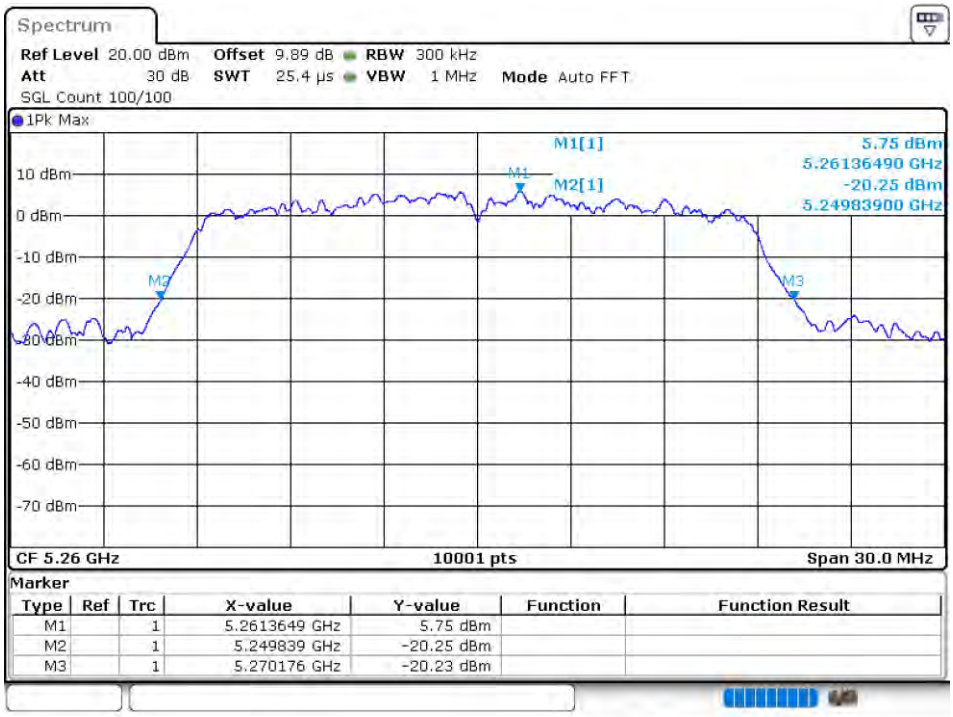
-26dB Bandwidth NVNT n40 5270MHz Ant1



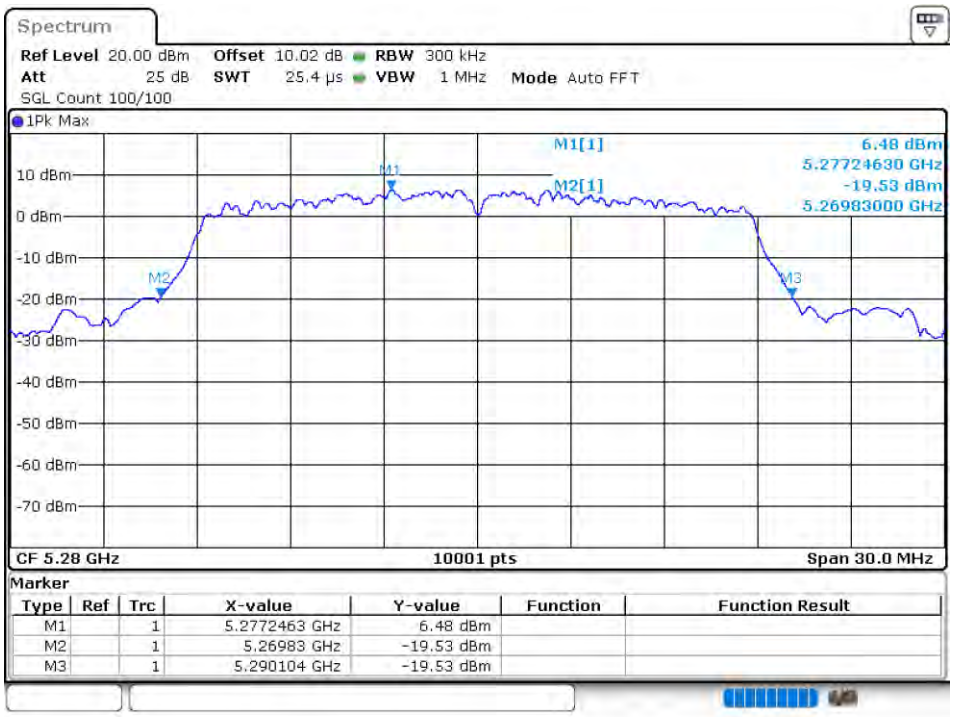
-26dB Bandwidth NVNT n40 5310MHz Ant1



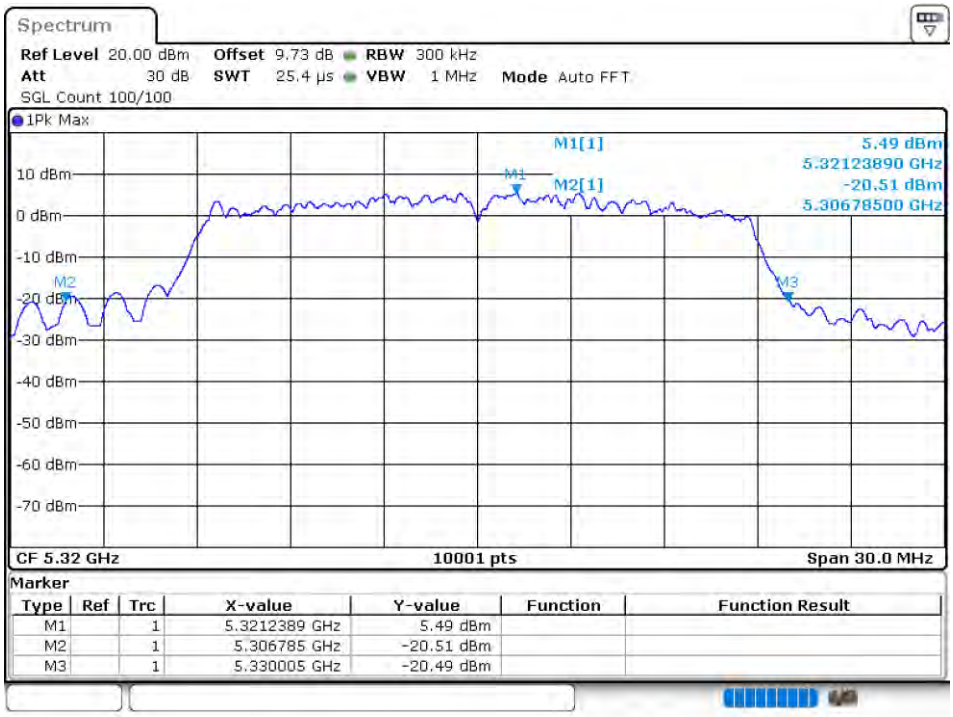
-26dB Bandwidth NVNT ac20 5260MHz Ant1



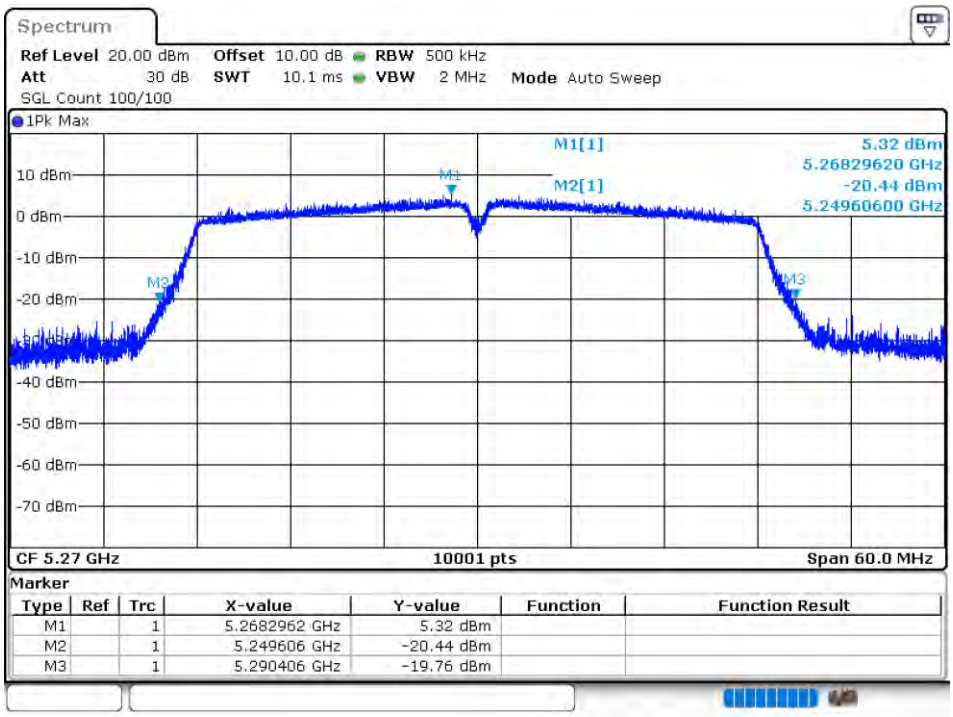
-26dB Bandwidth NVNT ac20 5280MHz Ant1



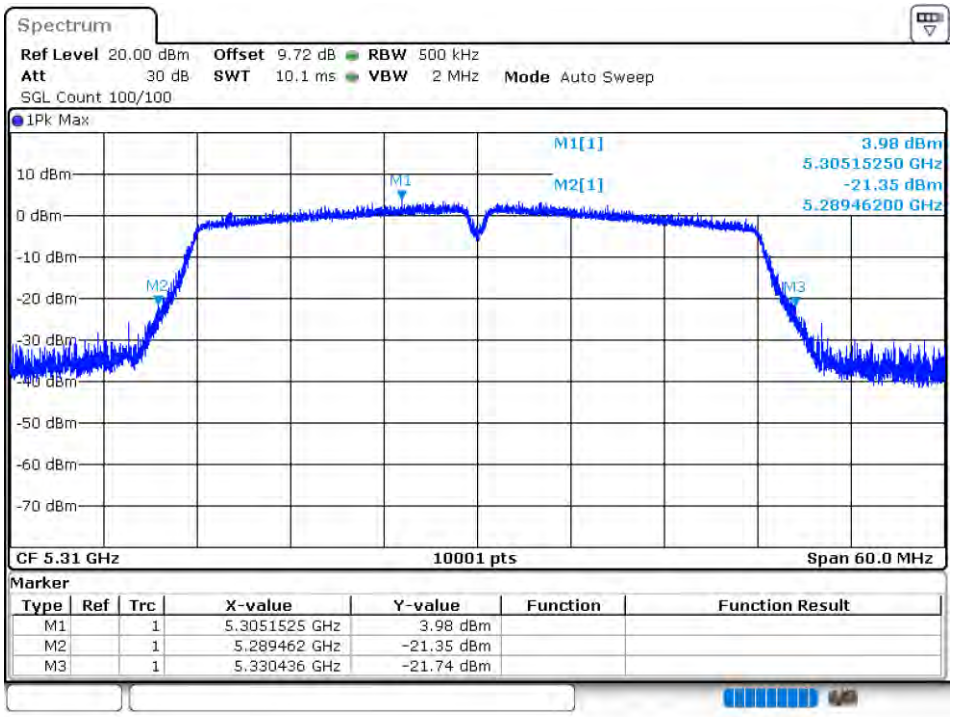
-26dB Bandwidth NVNT ac20 5320MHz Ant1



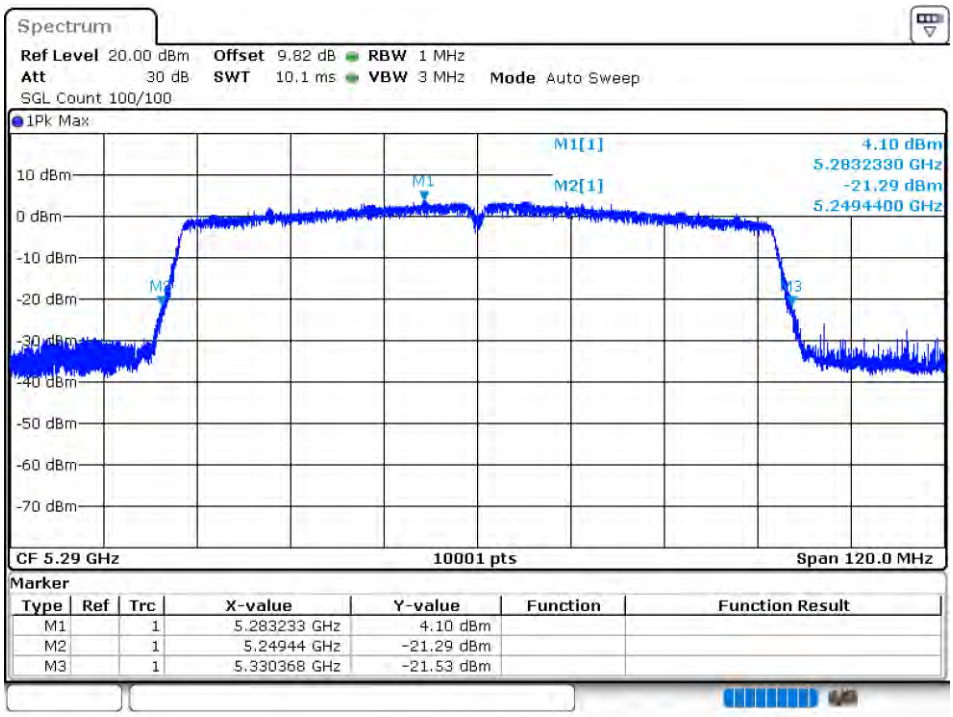
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1

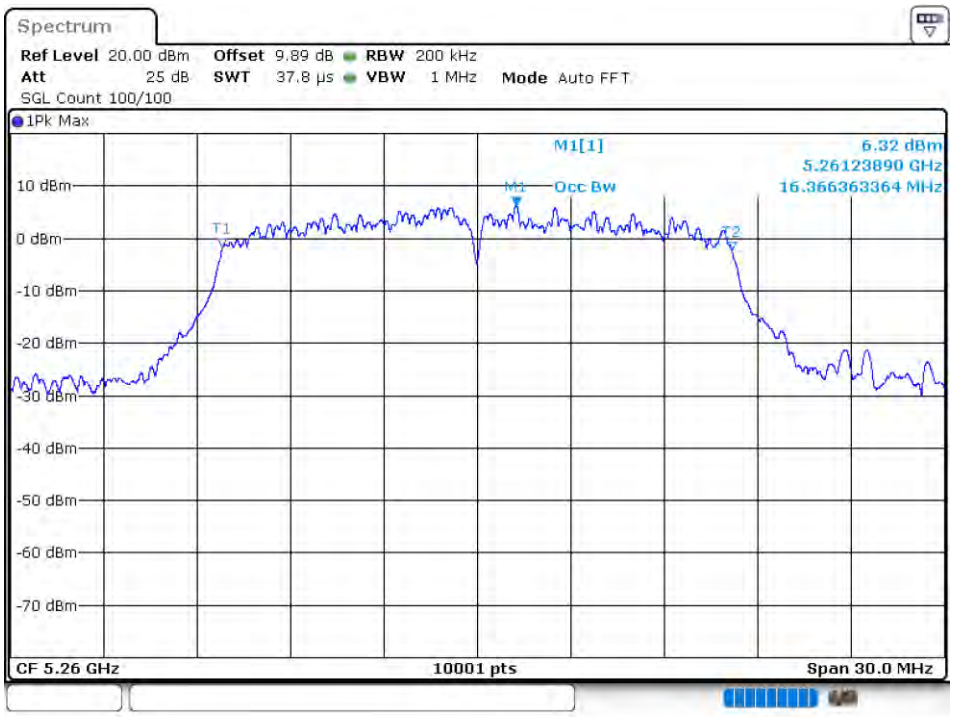


Occupied Channel Bandwidth

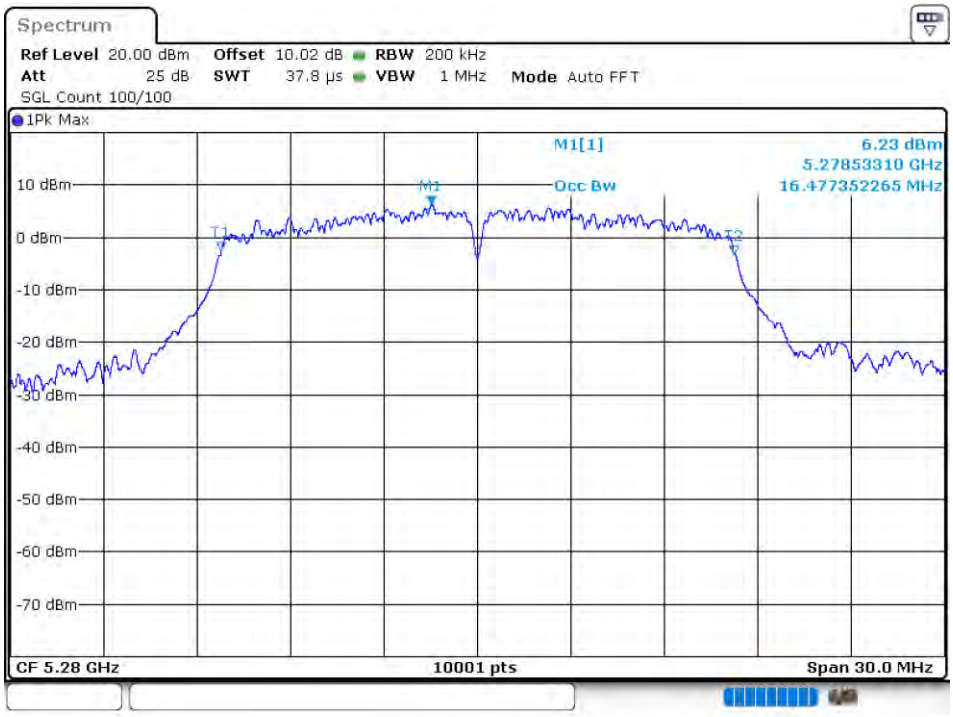
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.366
NVNT	a	5280	Ant1	16.477
NVNT	a	5320	Ant1	16.366
NVNT	n20	5260	Ant1	17.527
NVNT	n20	5280	Ant1	17.509
NVNT	n20	5320	Ant1	17.602
NVNT	n40	5270	Ant1	36.104
NVNT	n40	5310	Ant1	36.032
NVNT	ac20	5260	Ant1	17.632
NVNT	ac20	5280	Ant1	17.467
NVNT	ac20	5320	Ant1	17.524
NVNT	ac40	5270	Ant1	36.056
NVNT	ac40	5310	Ant1	36.008
NVNT	ac80	5290	Ant1	75.124

Test Graphs

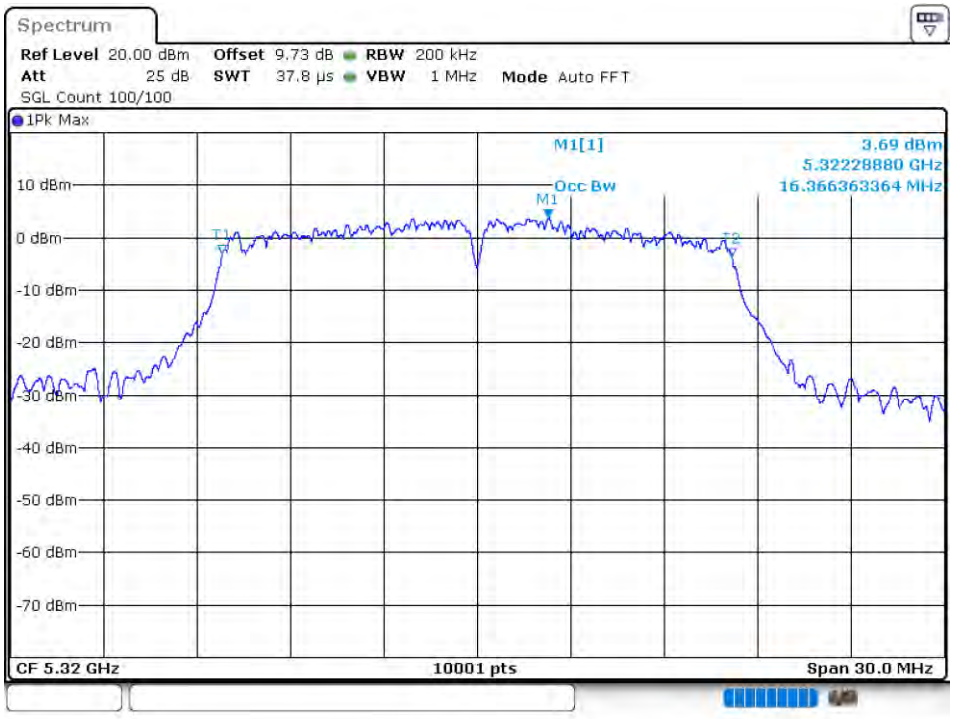
OBW NVNT a 5260MHz Ant1



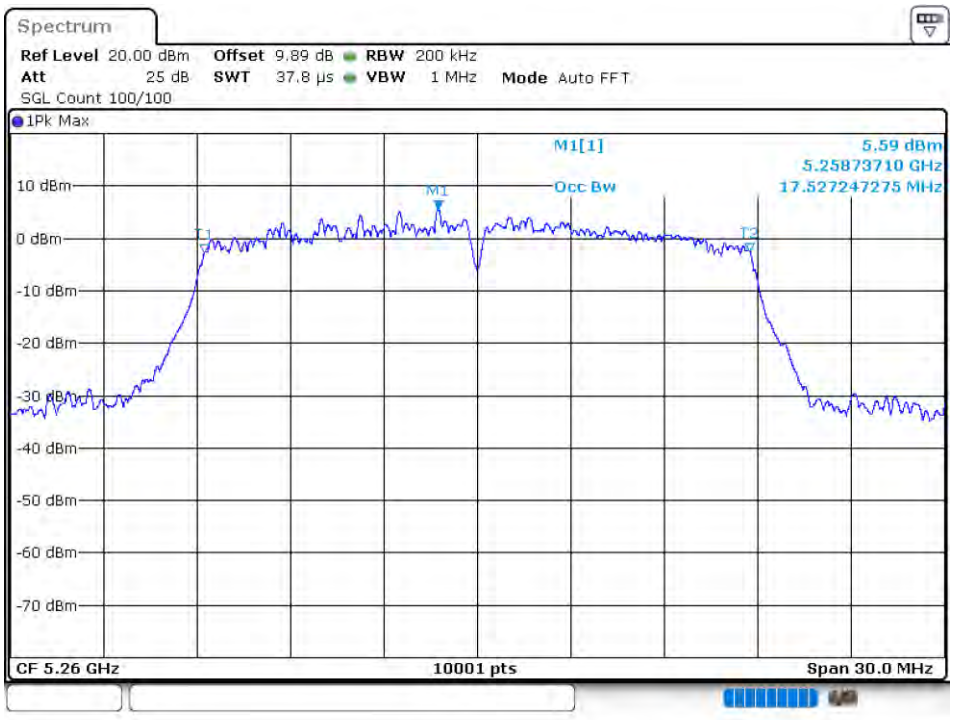
OBW NVNT a 5280MHz Ant1



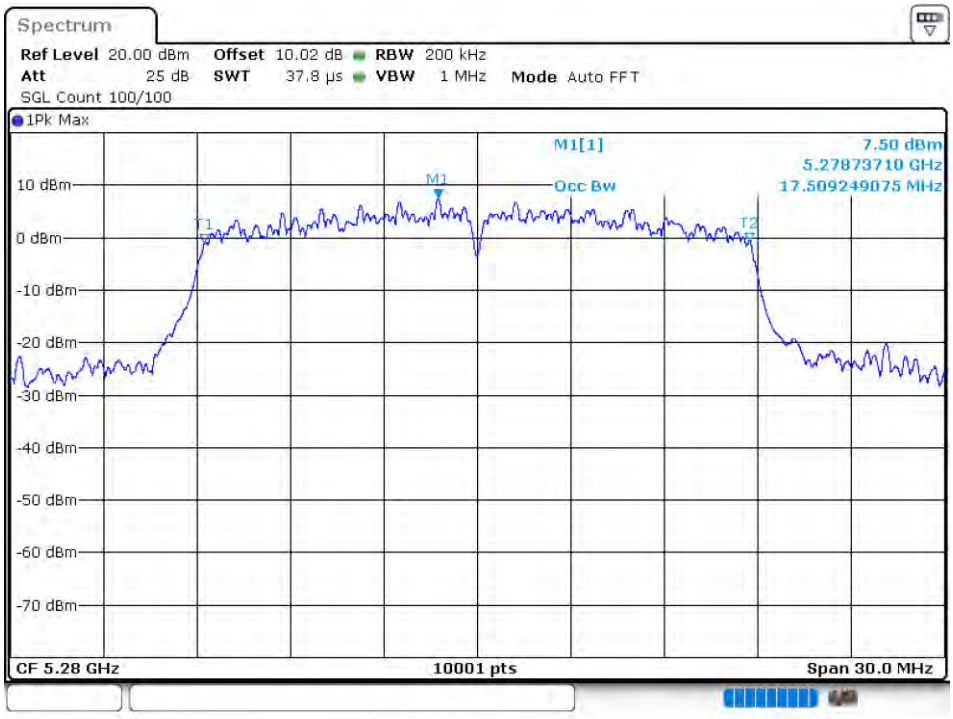
OBW NVNT a 5320MHz Ant1



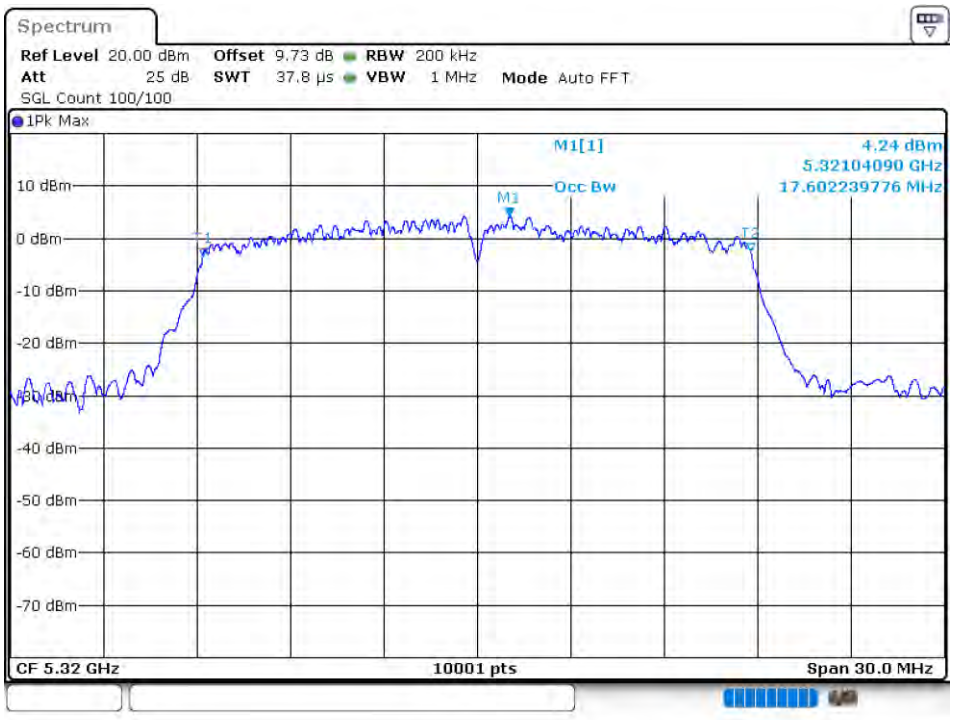
OBW NVNT n20 5260MHz Ant1



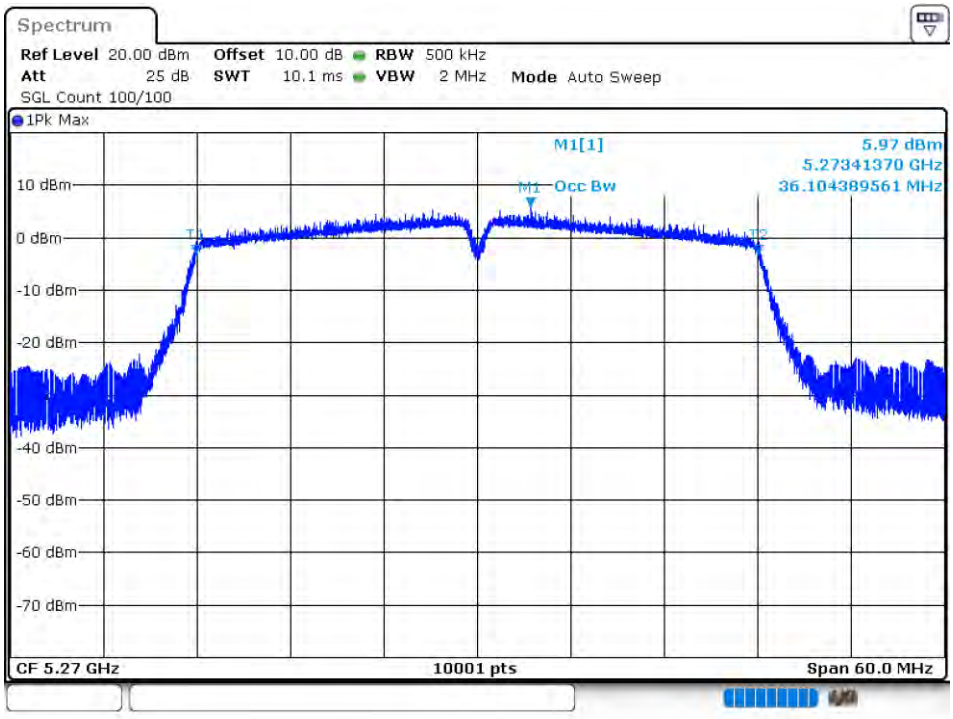
OBW NVNT n20 5280MHz Ant1



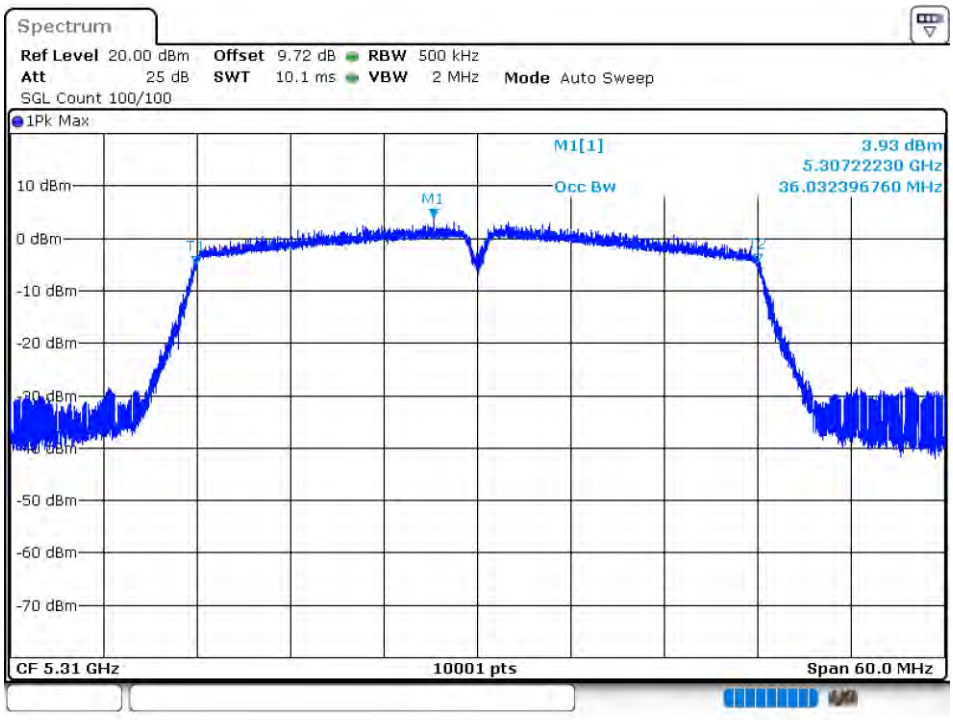
OBW NVNT n20 5320MHz Ant1



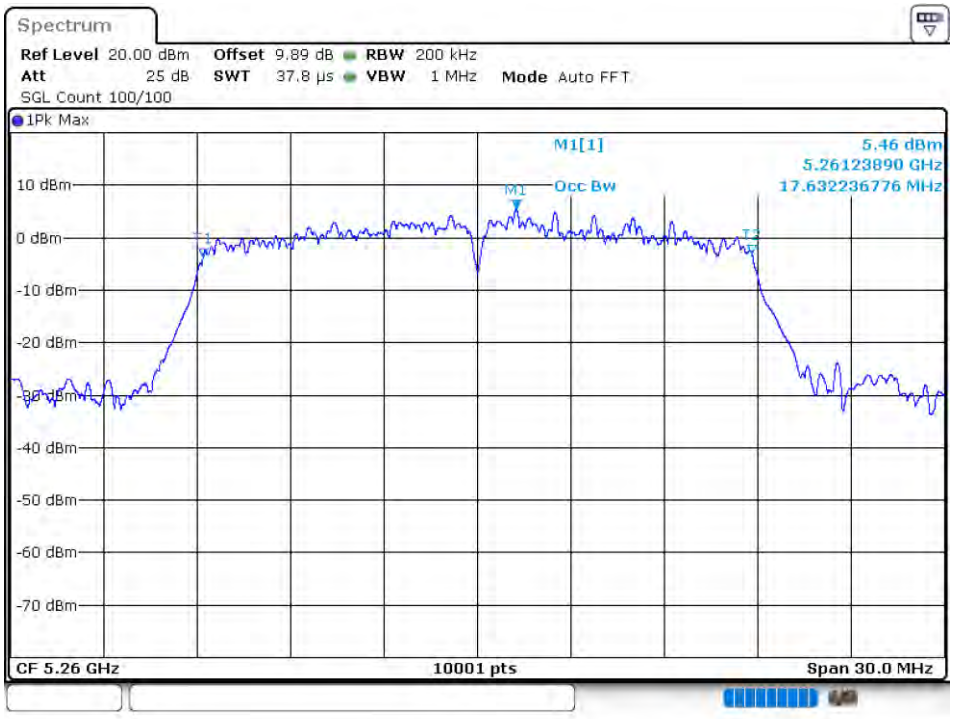
OBW NVNT n40 5270MHz Ant1



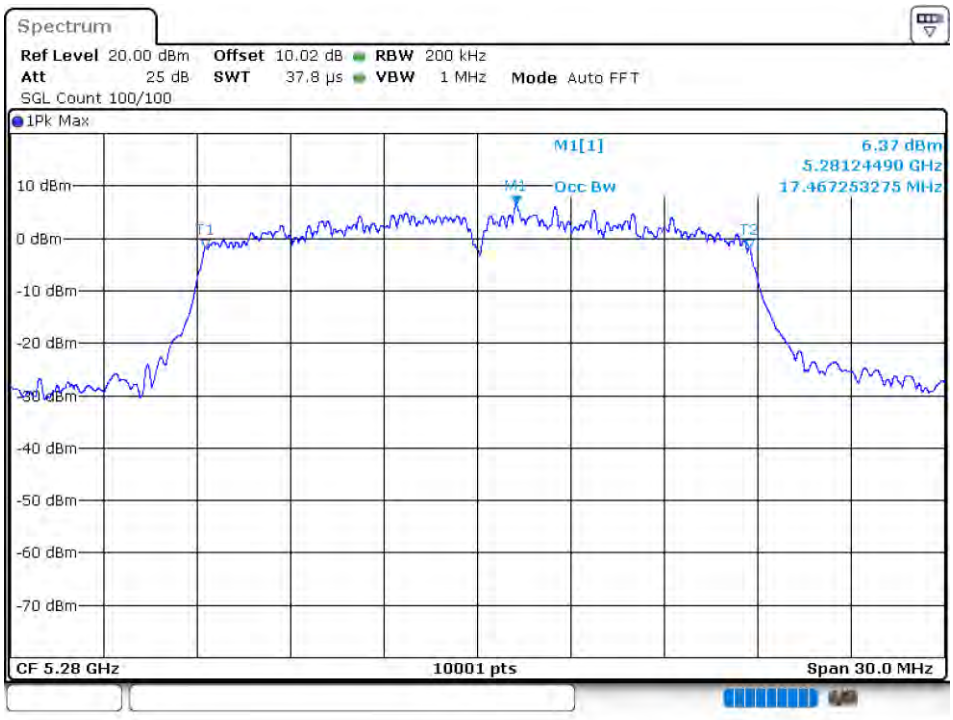
OBW NVNT n40 5310MHz Ant1



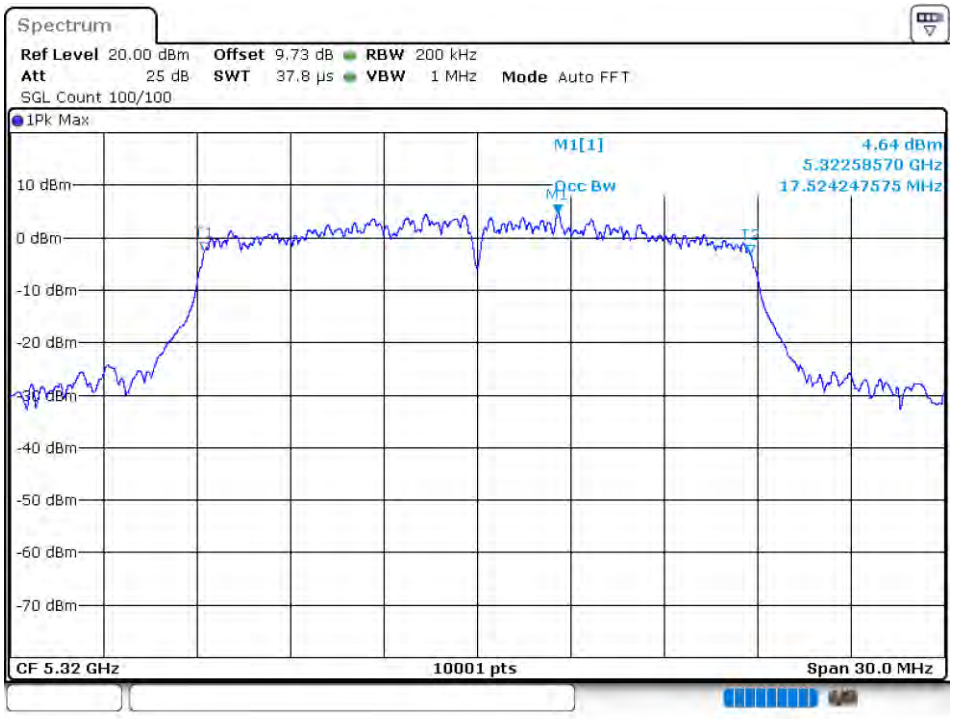
OBW NVNT ac20 5260MHz Ant1



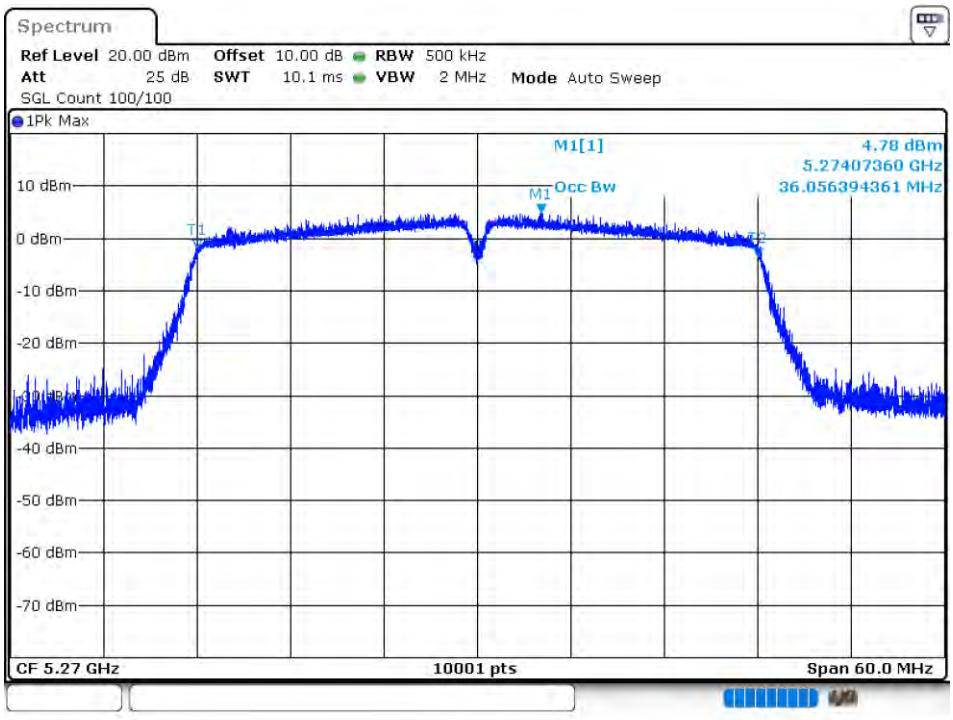
OBW NVNT ac20 5280MHz Ant1



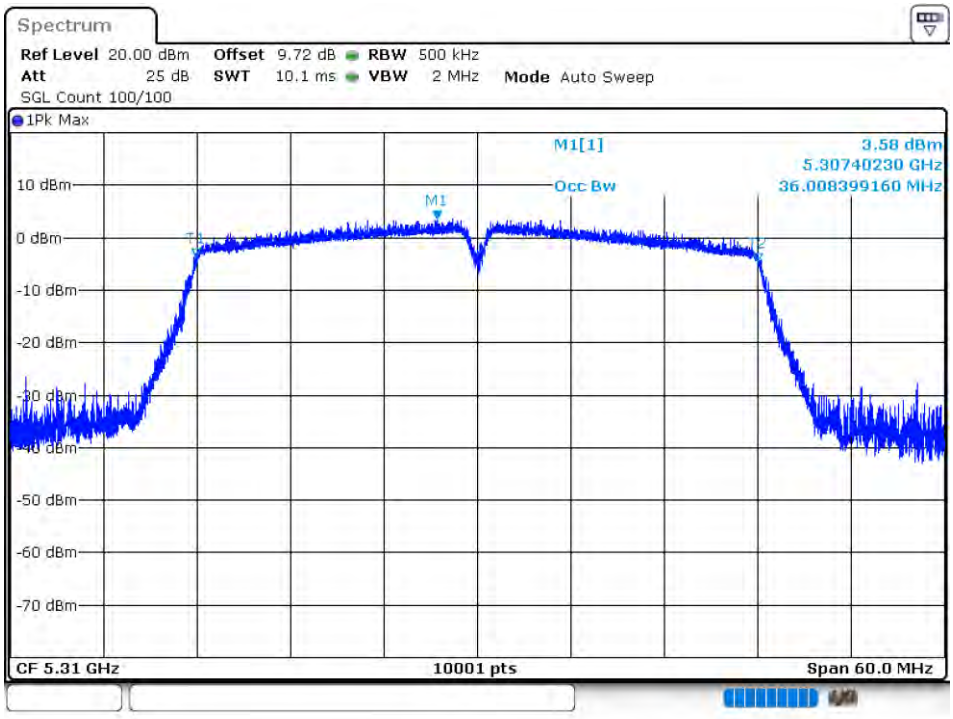
OBW NVNT ac20 5320MHz Ant1



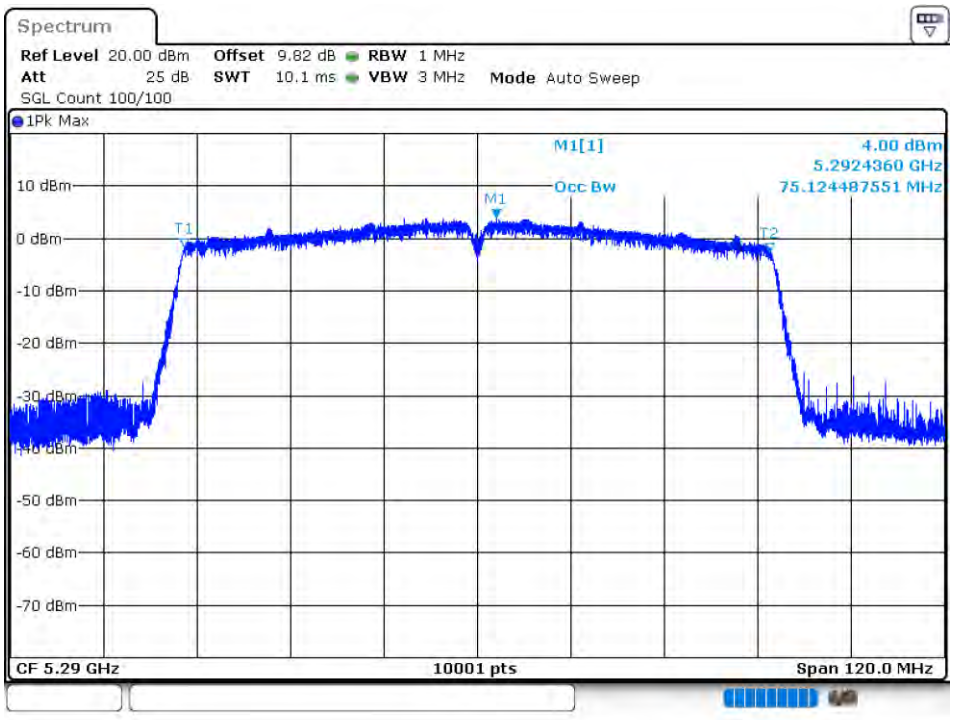
OBW NVNT ac40 5270MHz Ant1



OBW NVNT ac40 5310MHz Ant1



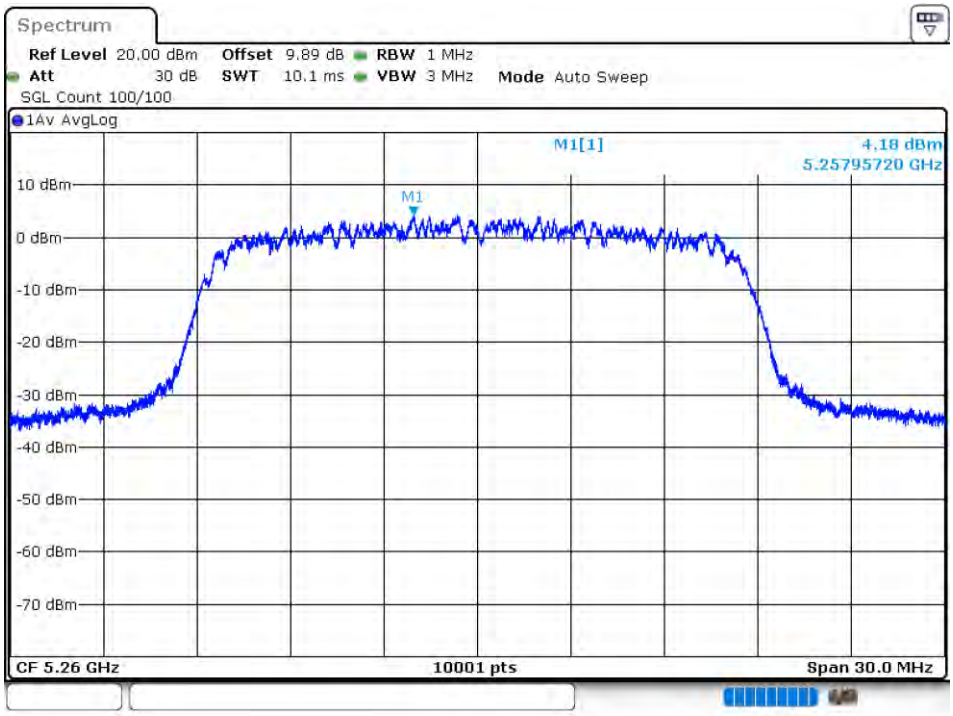
OBW NVNT ac80 5290MHz Ant1



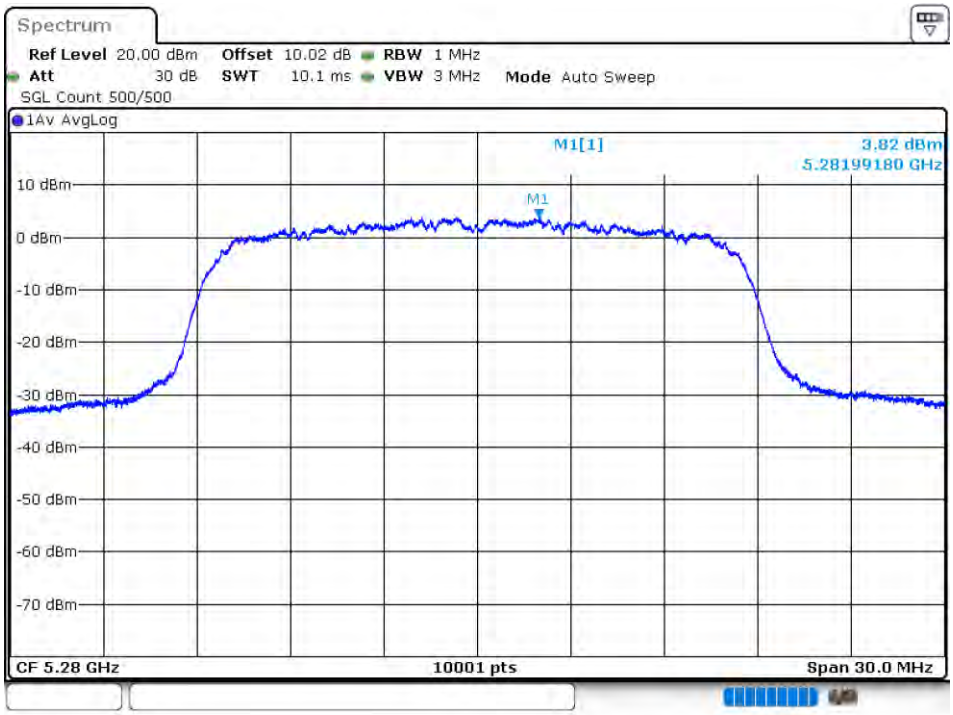
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	4.18	0.11	4.29	11	Pass
NVNT	a	5280	Ant1	3.82	0.11	3.93	11	Pass
NVNT	a	5320	Ant1	2.05	0.11	2.16	11	Pass
NVNT	n20	5260	Ant1	1.84	0.11	1.95	11	Pass
NVNT	n20	5280	Ant1	3.63	0.11	3.74	11	Pass
NVNT	n20	5320	Ant1	1.96	0.11	2.07	11	Pass
NVNT	n40	5270	Ant1	-3.49	0.22	-3.27	11	Pass
NVNT	n40	5310	Ant1	-5.23	0.22	-5.01	11	Pass
NVNT	ac20	5260	Ant1	1.8	0.11	1.91	11	Pass
NVNT	ac20	5280	Ant1	2.56	0.11	2.67	11	Pass
NVNT	ac20	5320	Ant1	1.9	0.11	2.01	11	Pass
NVNT	ac40	5270	Ant1	-3.24	0.22	-3.02	11	Pass
NVNT	ac40	5310	Ant1	-4.92	0.22	-4.7	11	Pass
NVNT	ac80	5290	Ant1	-8.68	0.43	-8.25	11	Pass

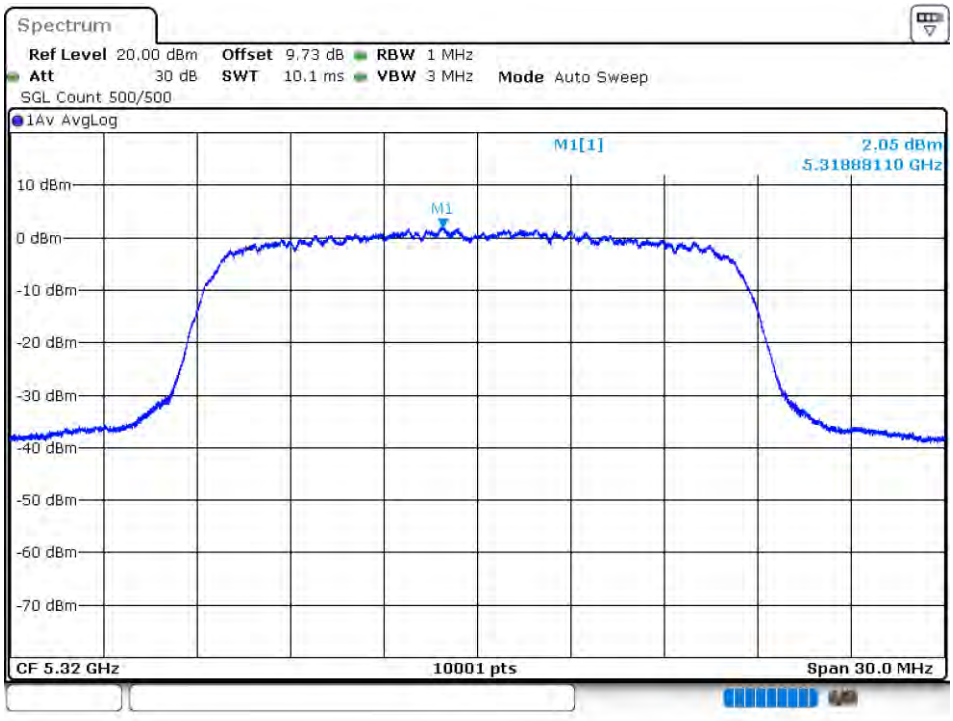
Test Graphs
PSD NVNT a 5260MHz Ant1



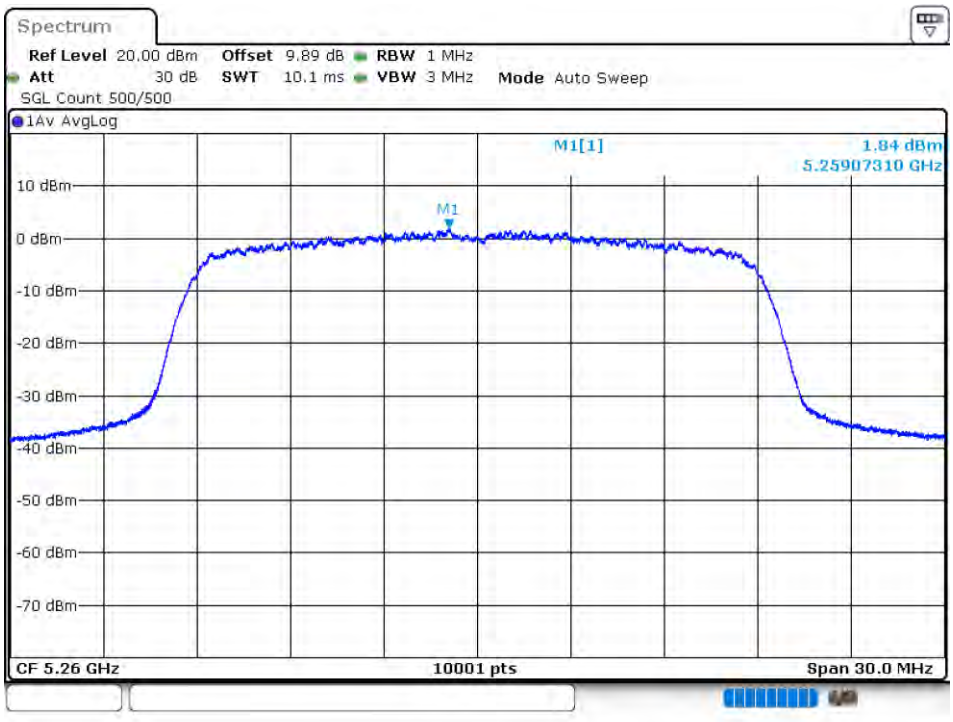
PSD NVNT a 5280MHz Ant1



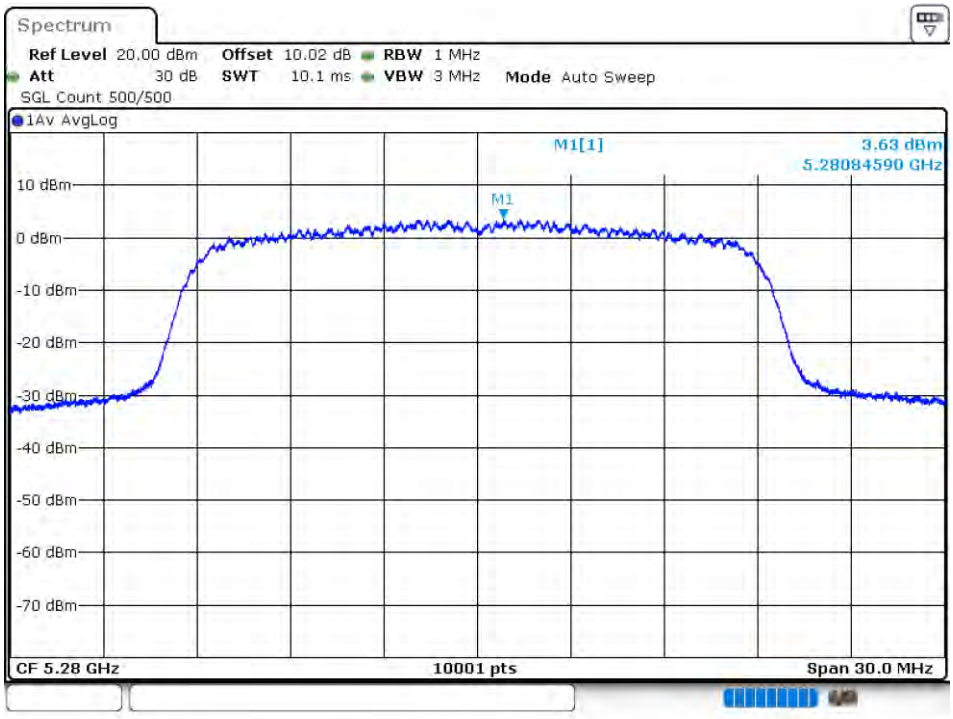
PSD NVNT a 5320MHz Ant1



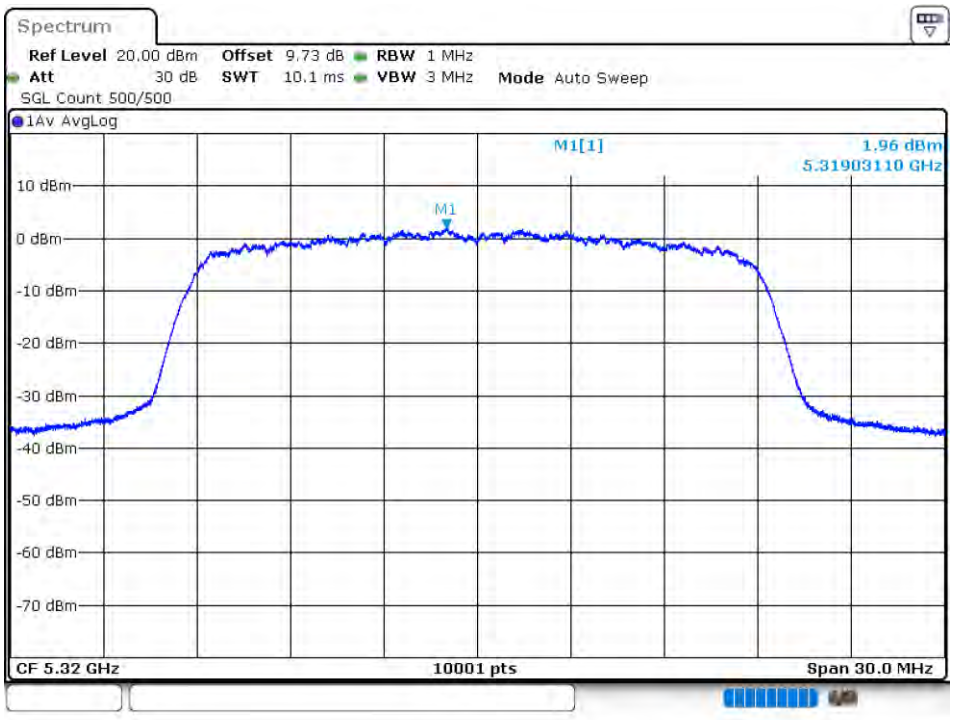
PSD NVNT n20 5260MHz Ant1



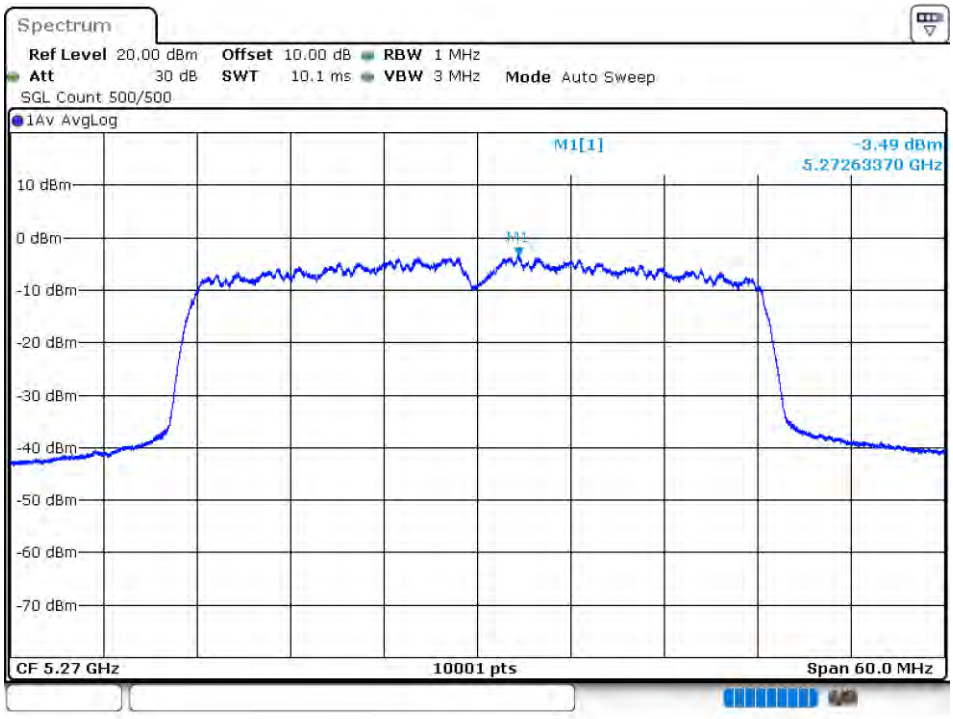
PSD NVNT n20 5280MHz Ant1



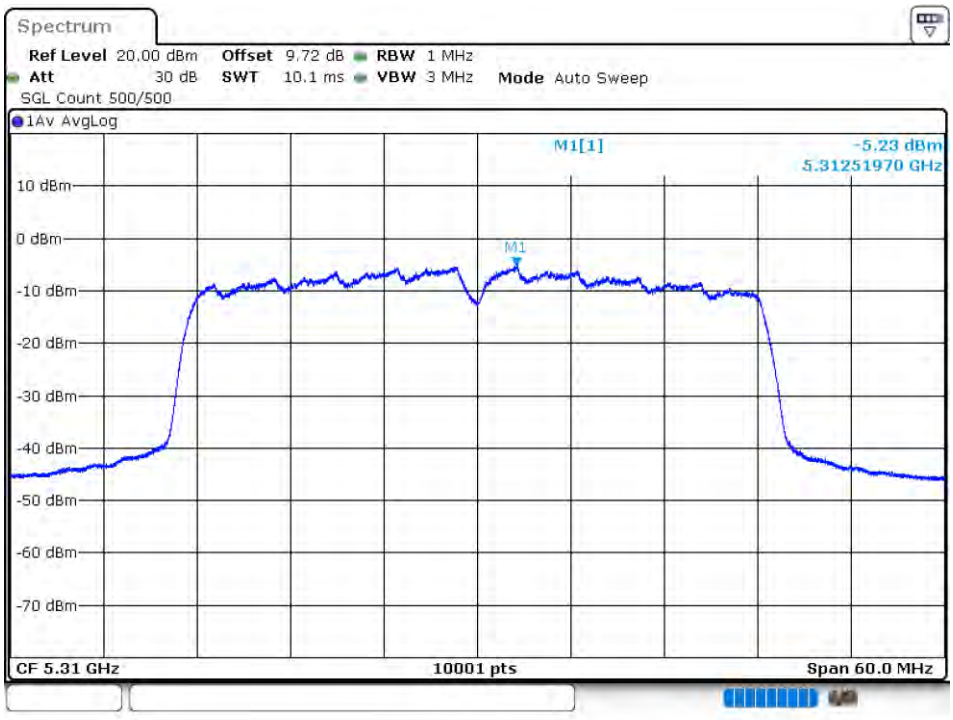
PSD NVNT n20 5320MHz Ant1



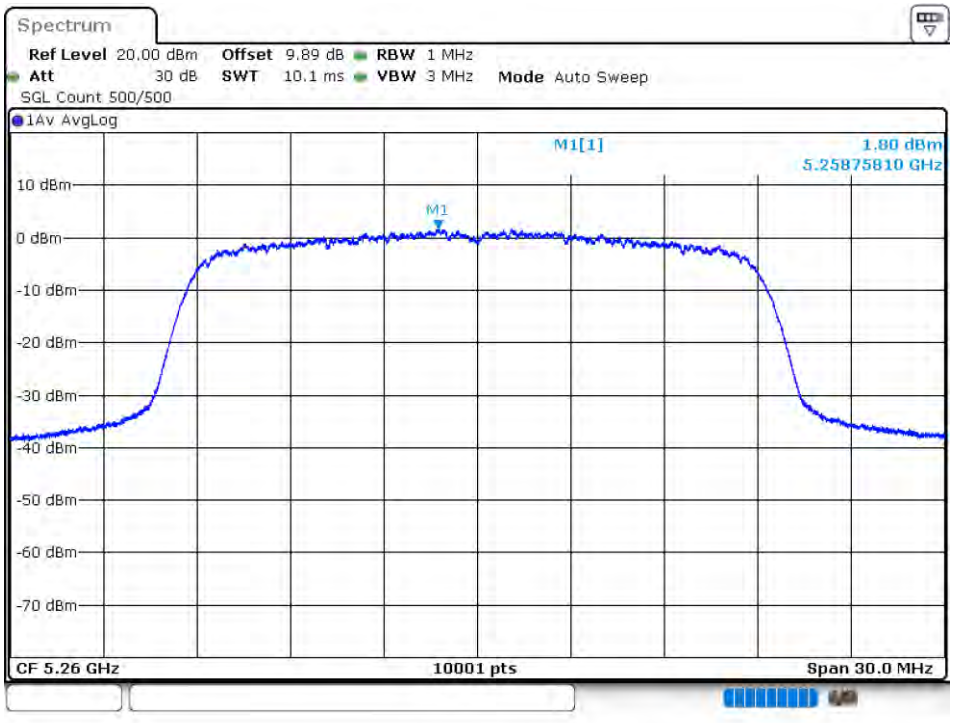
PSD NVNT n40 5270MHz Ant1



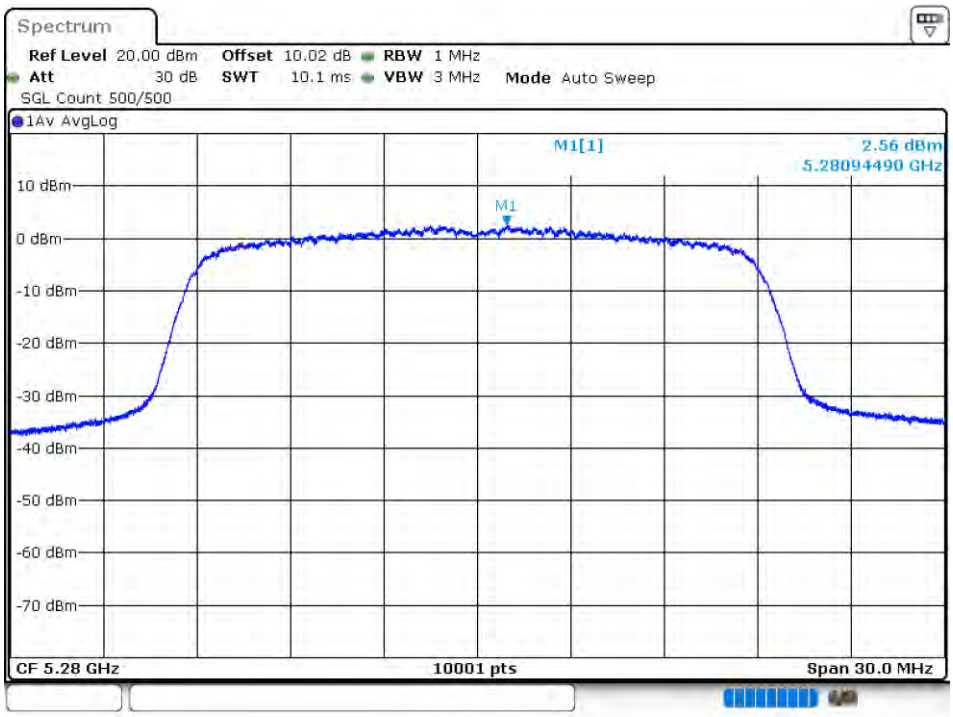
PSD NVNT n40 5310MHz Ant1



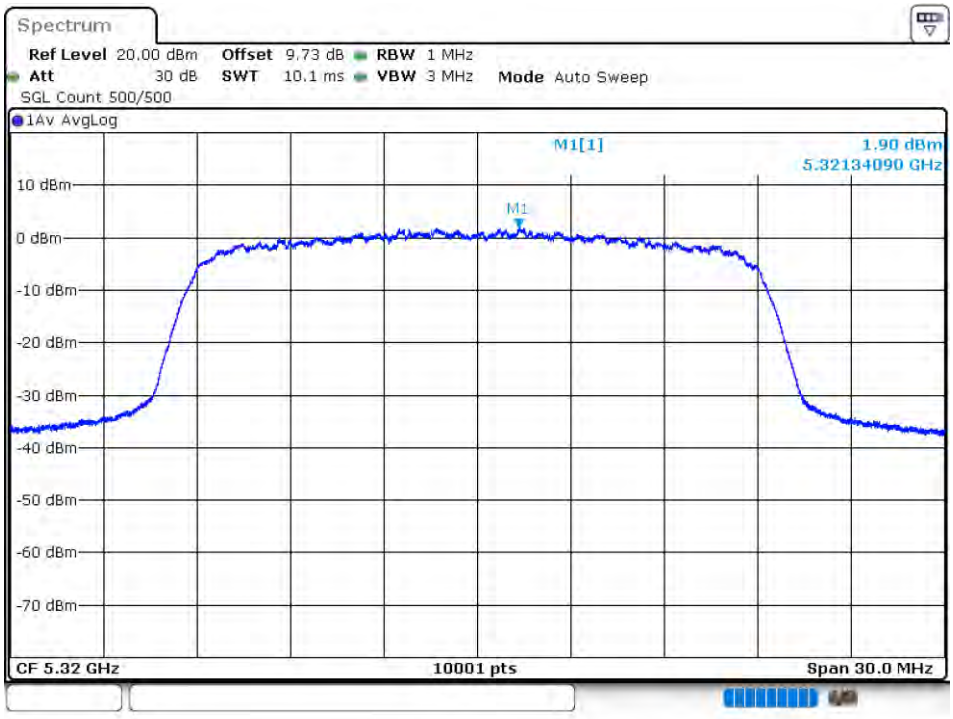
PSD NVNT ac20 5260MHz Ant1



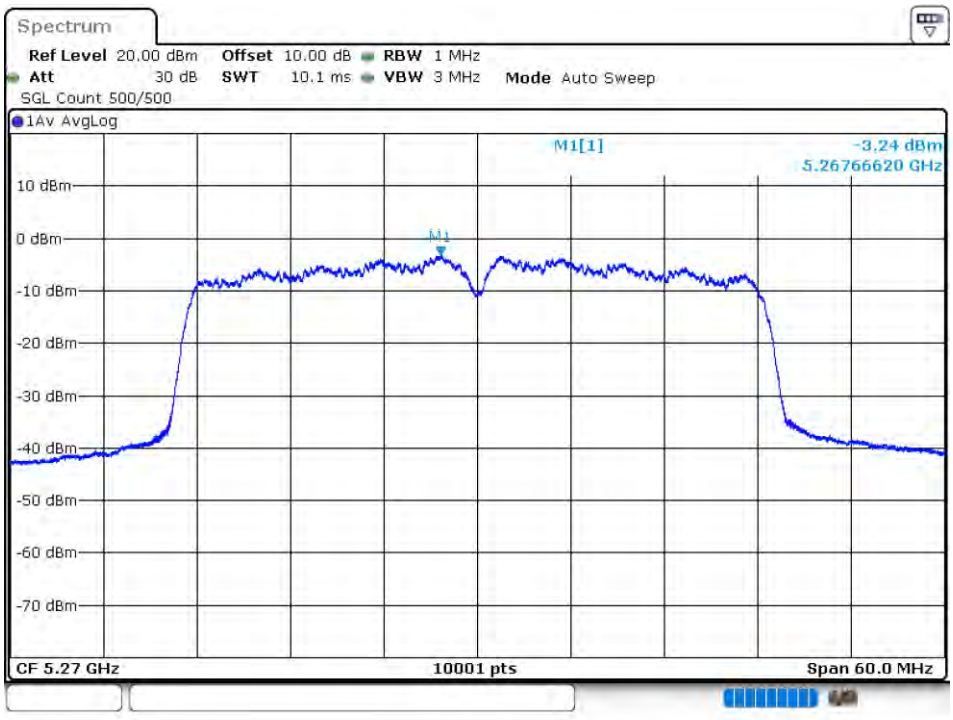
PSD NVNT ac20 5280MHz Ant1



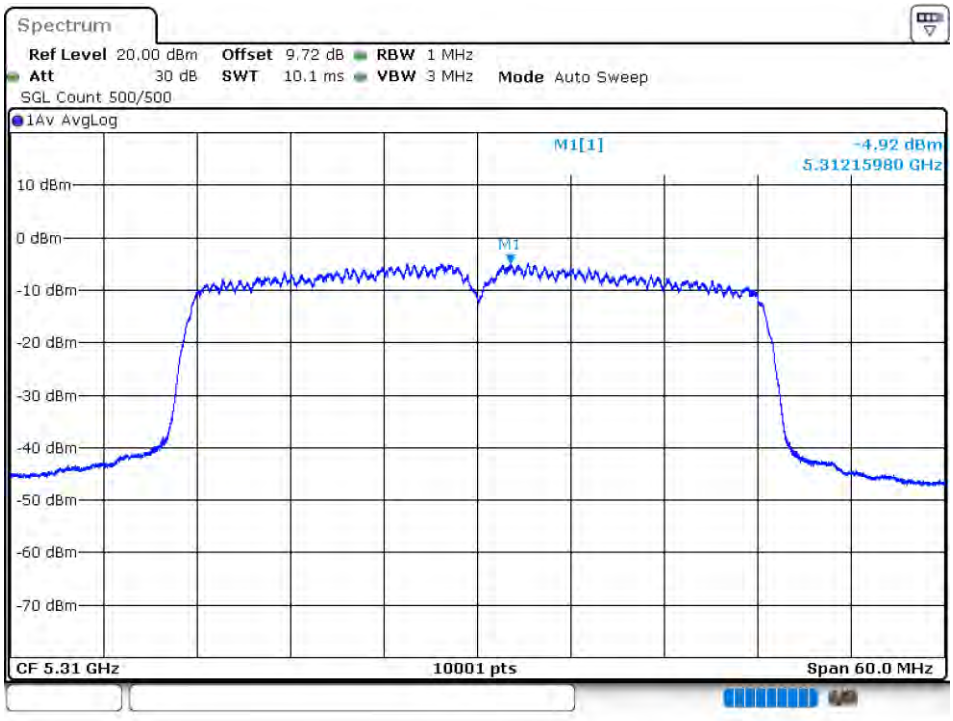
PSD NVNT ac20 5320MHz Ant1



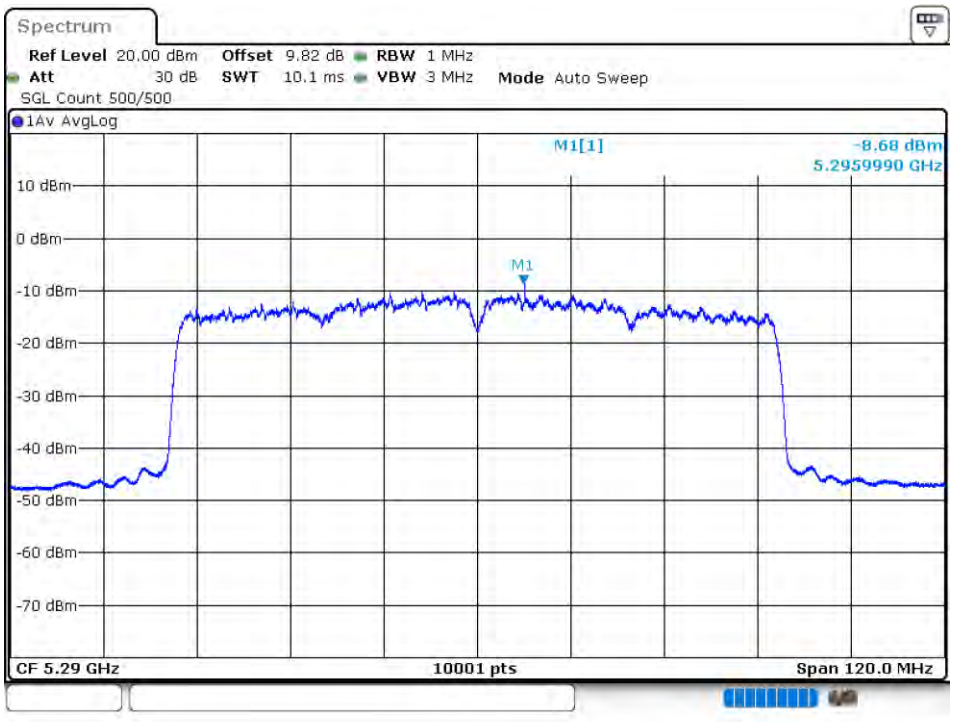
PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5290MHz Ant1

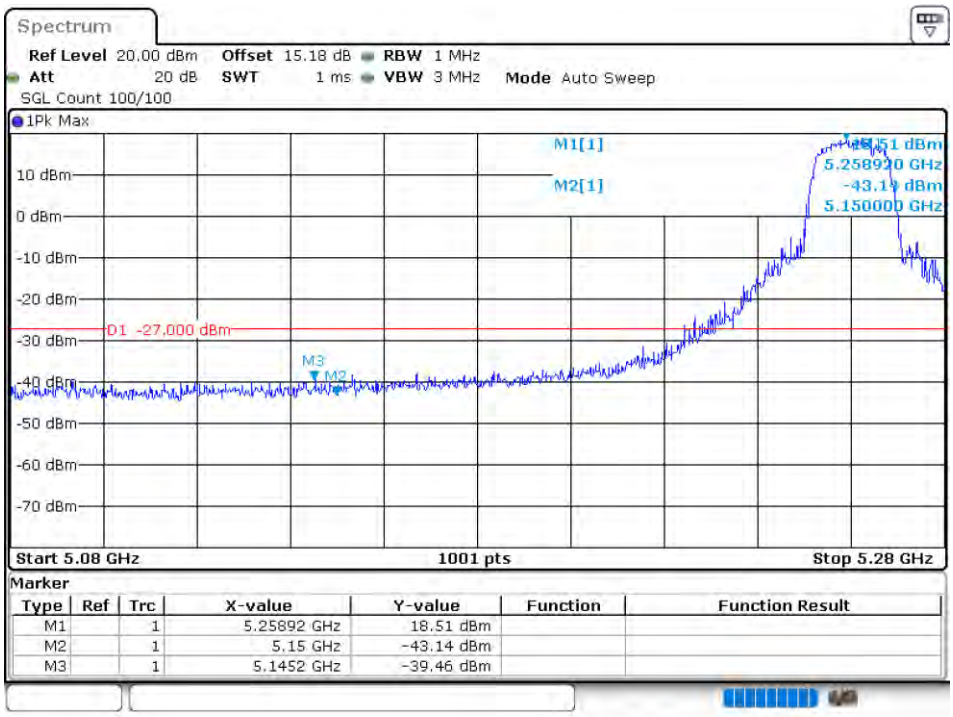


Band Edge

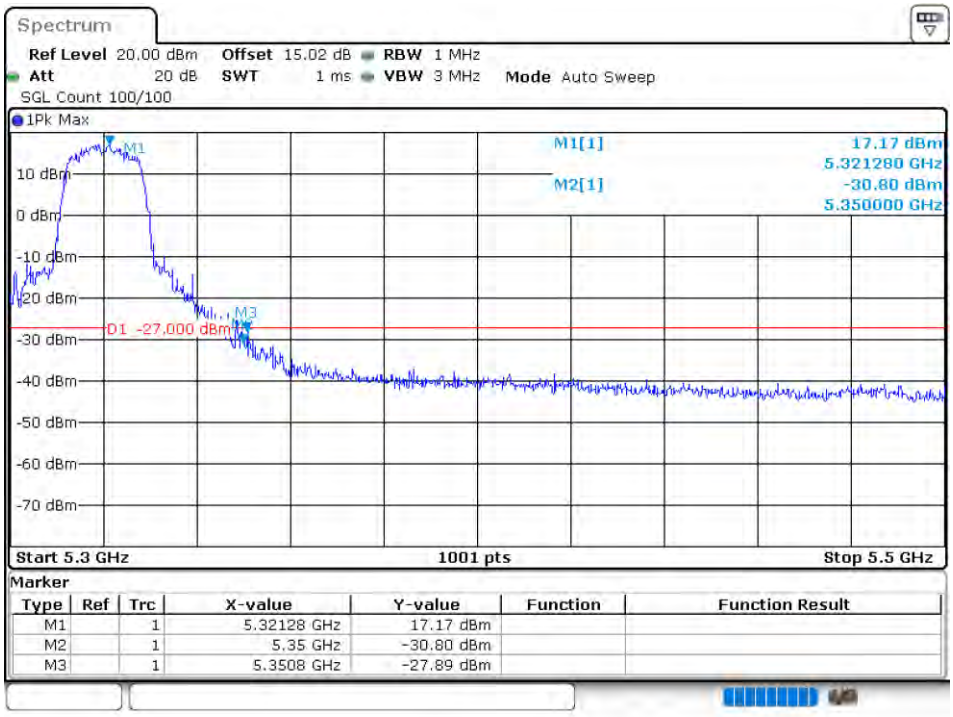
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-39.45	-27	Pass
NVNT	a	5320	Ant1	-27.88	-27	Pass
NVNT	n20	5260	Ant1	-39.7	-27	Pass
NVNT	n20	5320	Ant1	-27.17	-27	Pass
NVNT	n40	5270	Ant1	-39.78	-27	Pass
NVNT	n40	5310	Ant1	-29.05	-27	Pass
NVNT	ac20	5260	Ant1	-40.28	-27	Pass
NVNT	ac20	5320	Ant1	-27.13	-27	Pass
NVNT	ac40	5270	Ant1	-39.79	-27	Pass
NVNT	ac40	5310	Ant1	-28.42	-27	Pass
NVNT	ac80	5290	Ant1	-28.01	-27	Pass

Test Graphs

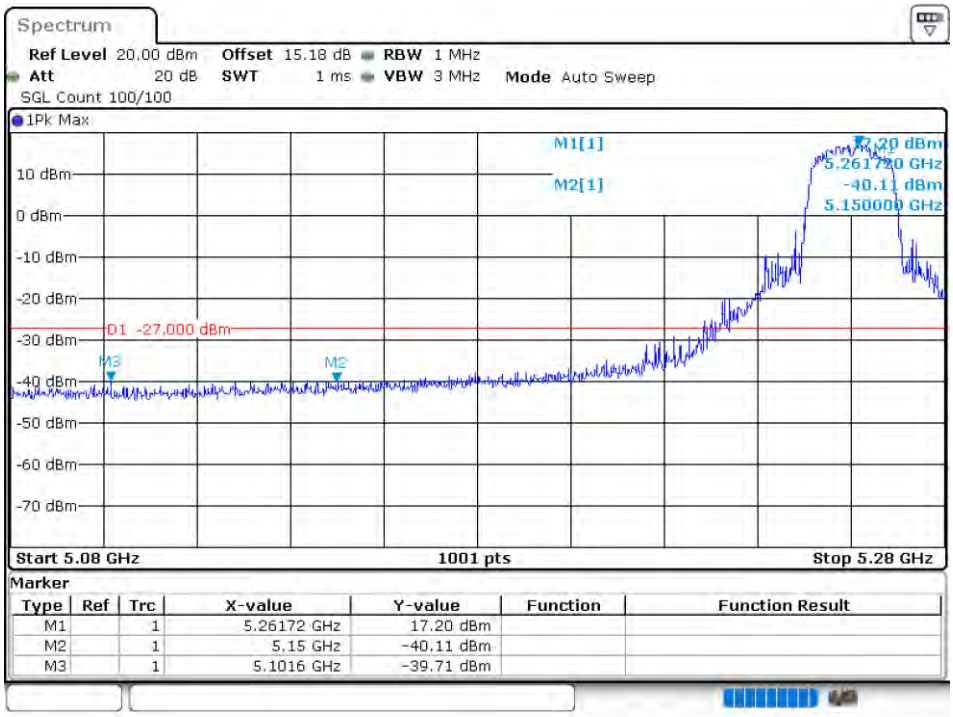
Band Edge NVNT a 5260MHz Low Ant1



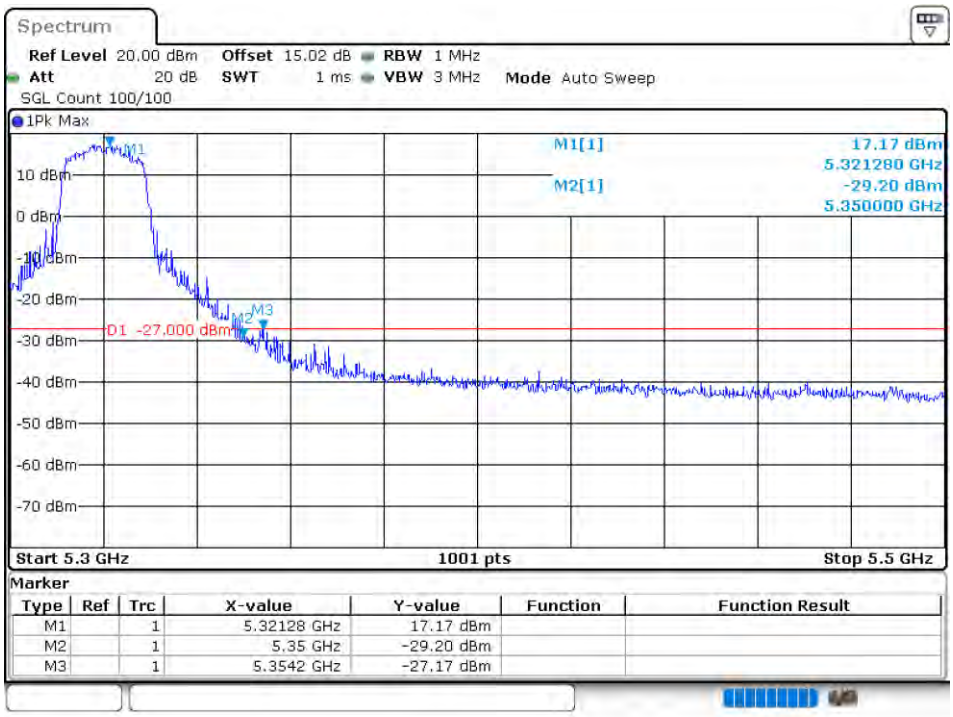
Band Edge NVNT a 5320MHz High Ant1



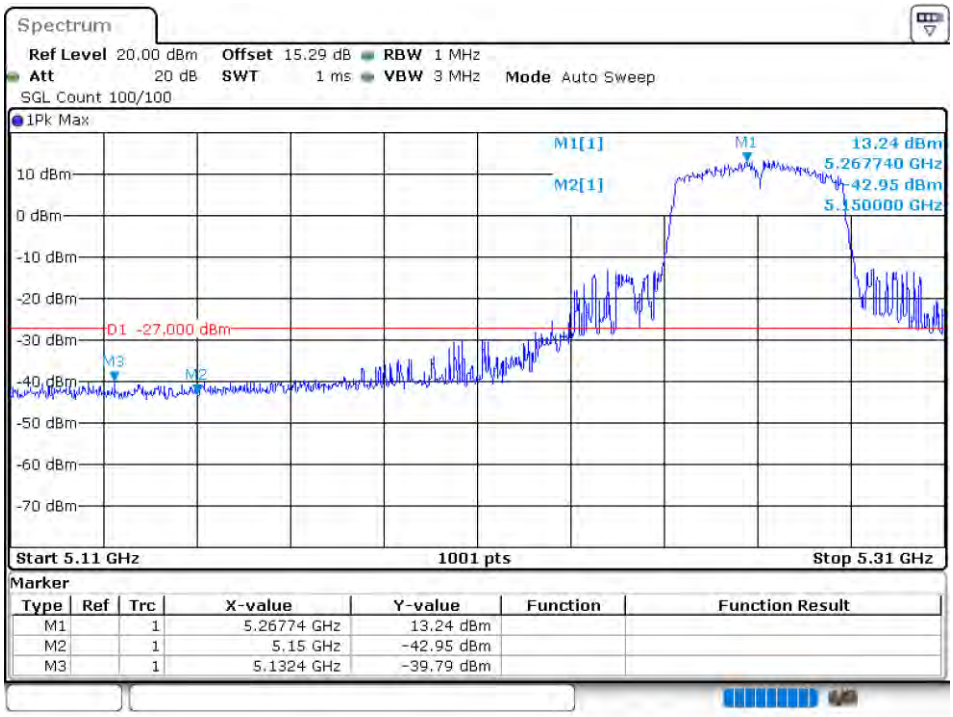
Band Edge NVNT n20 5260MHz Low Ant1



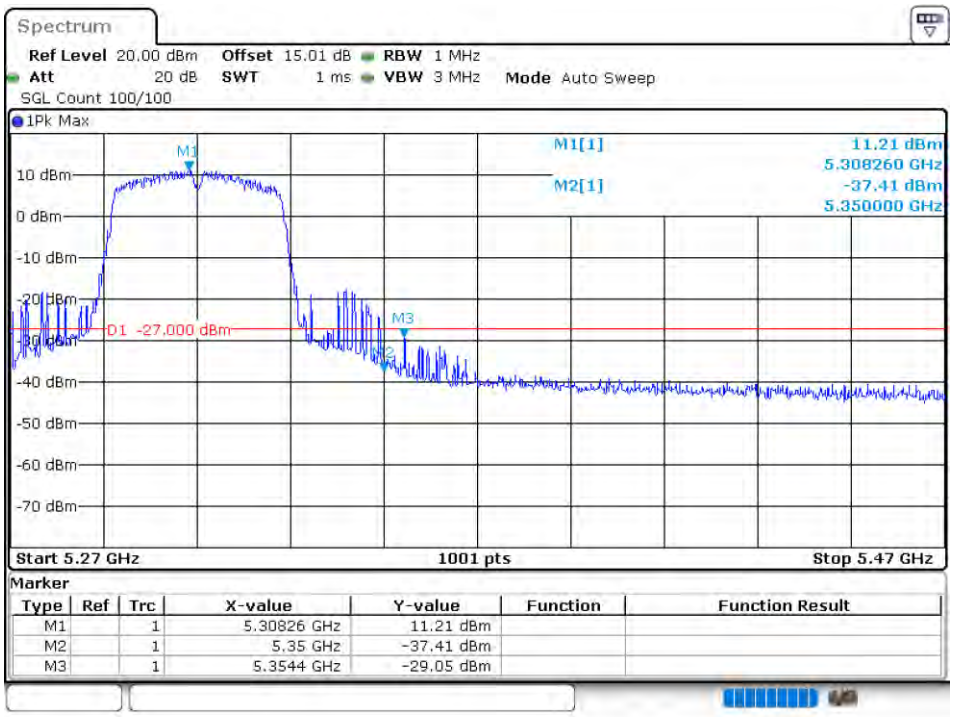
Band Edge NVNT n20 5320MHz High Ant1



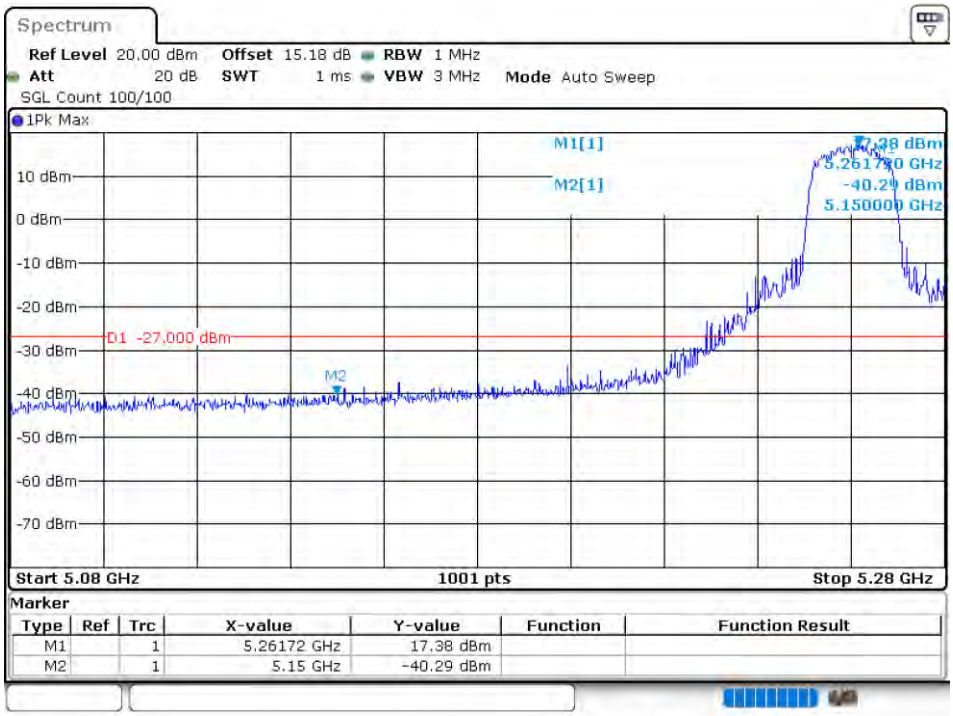
Band Edge NVNT n40 5270MHz Low Ant1



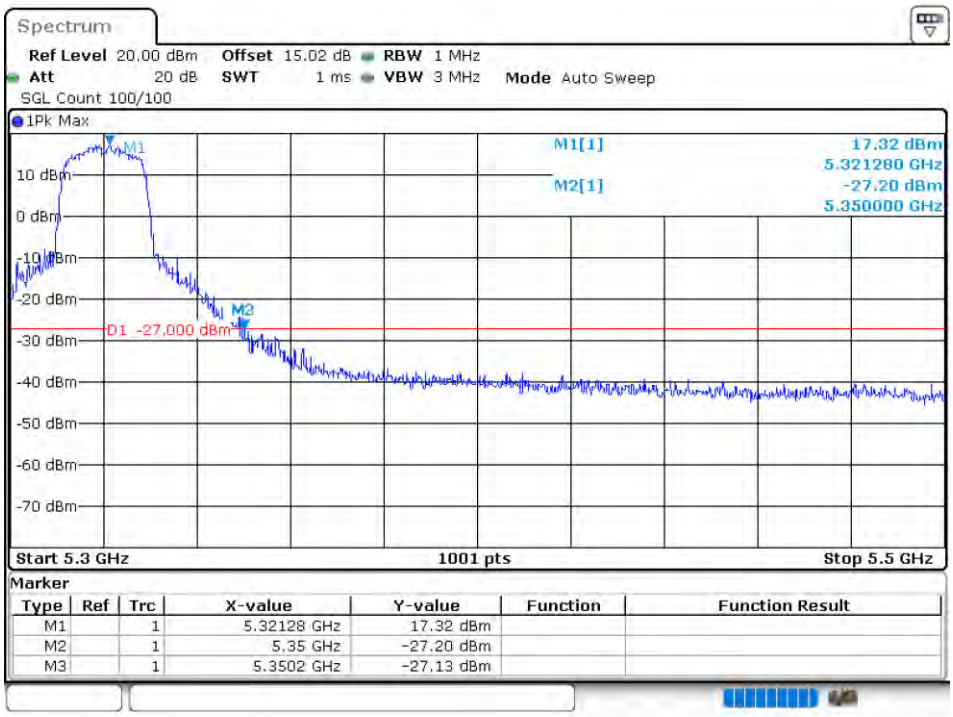
Band Edge NVNT n40 5310MHz High Ant1



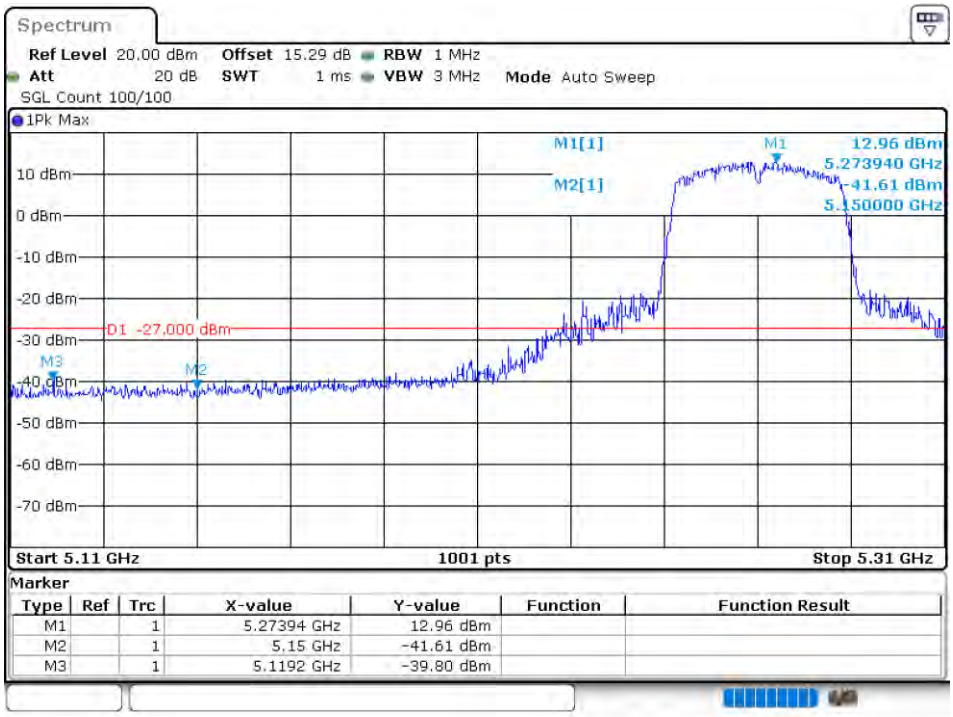
Band Edge NVNT ac20 5260MHz Low Ant1



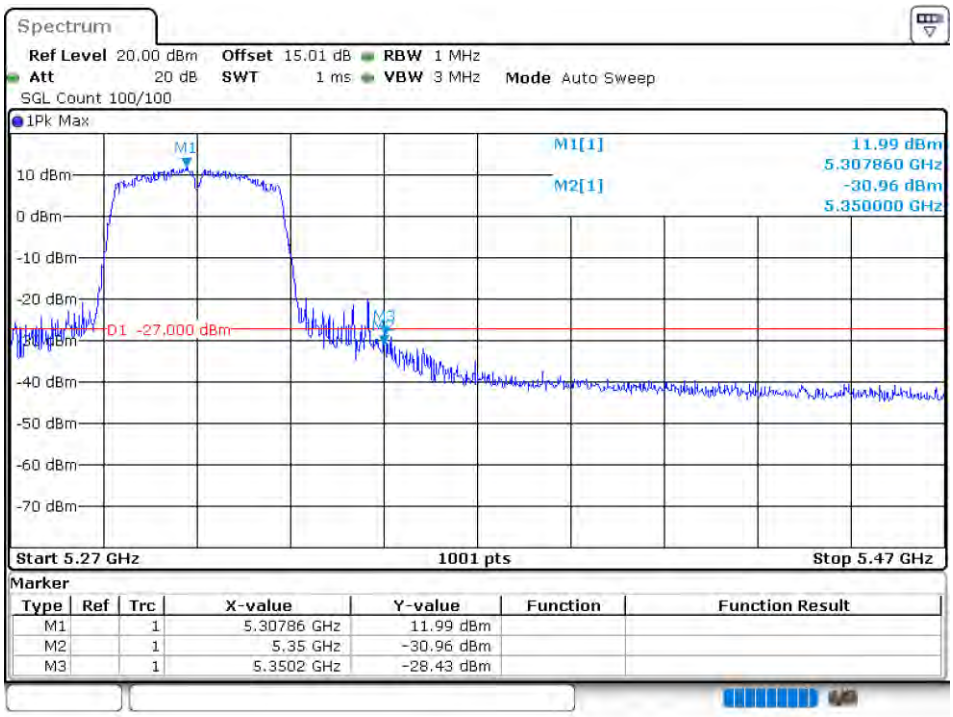
Band Edge NVNT ac20 5320MHz High Ant1



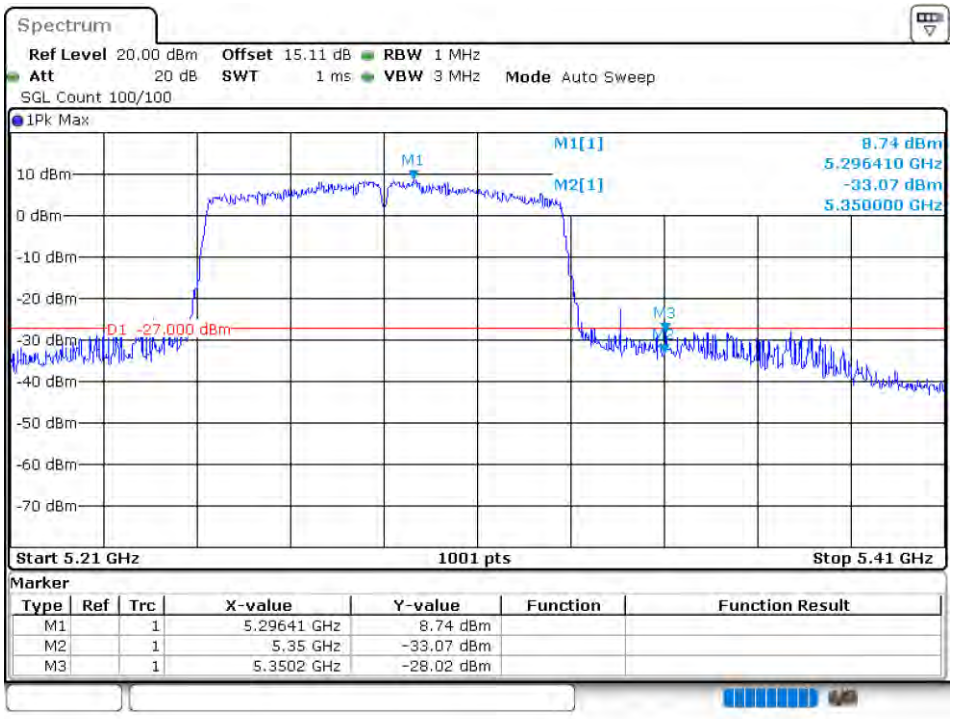
Band Edge NVNT ac40 5270MHz Low Ant1



Band Edge NVNT ac40 5310MHz High Ant1



Band Edge NVNT ac80 5290MHz High Ant1



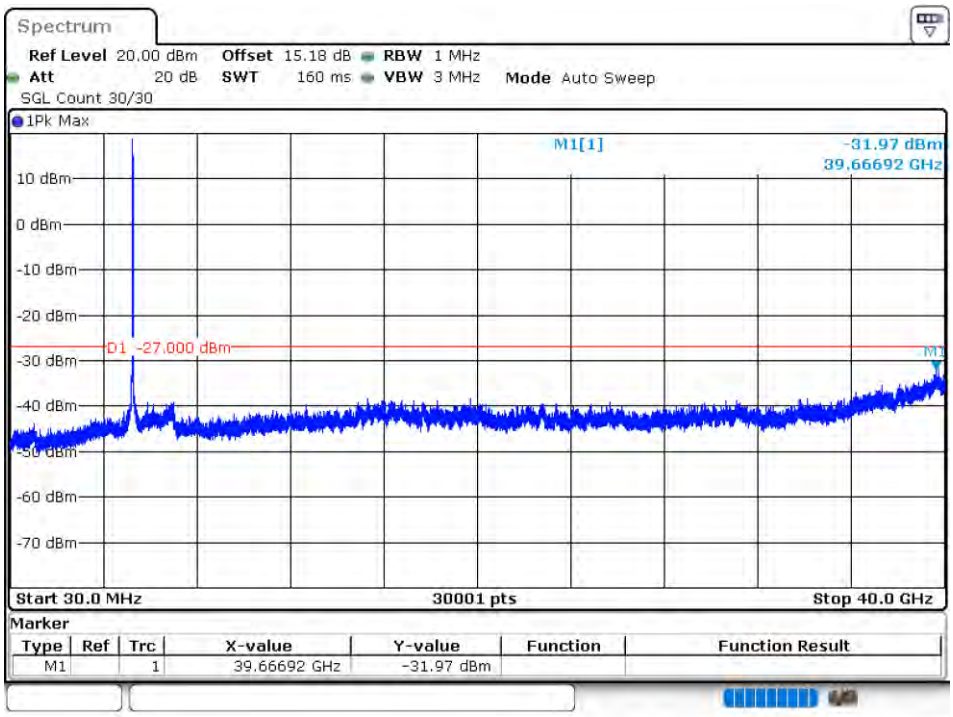
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.29641 GHz	8.74 dBm		
M2		1	5.35 GHz	-33.07 dBm		
M3		1	5.3502 GHz	-28.02 dBm		

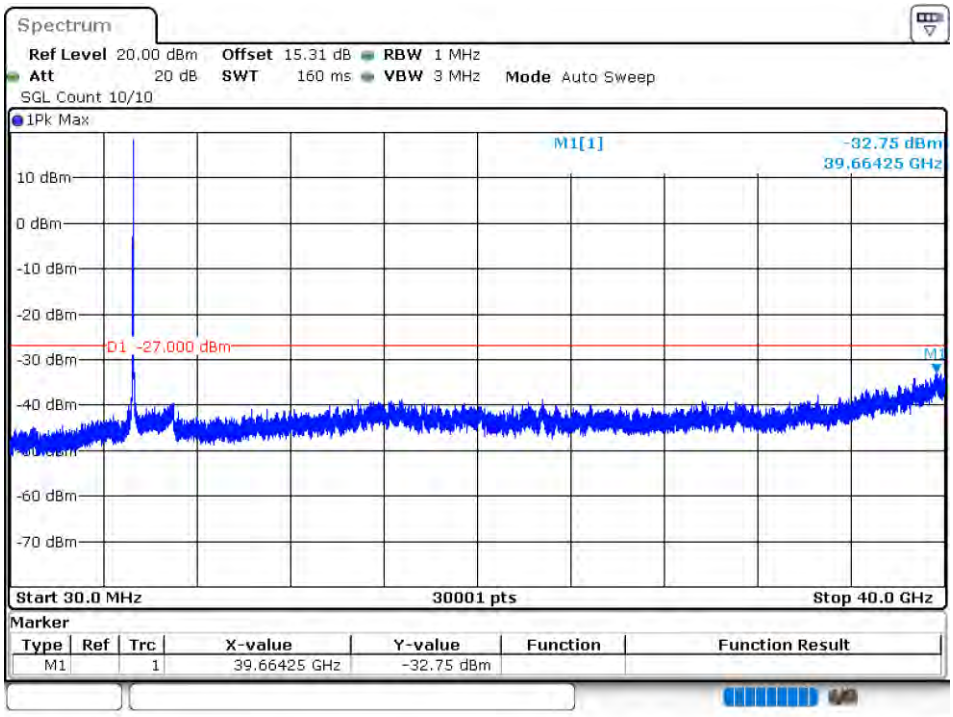
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-31.97	-27	Pass
NVNT	a	5280	Ant1	-32.74	-27	Pass
NVNT	a	5320	Ant1	-31.89	-27	Pass
NVNT	n20	5260	Ant1	-33.1	-27	Pass
NVNT	n20	5280	Ant1	-32.66	-27	Pass
NVNT	n20	5320	Ant1	-32.8	-27	Pass
NVNT	n40	5270	Ant1	-32.93	-27	Pass
NVNT	n40	5310	Ant1	-33.02	-27	Pass
NVNT	ac20	5260	Ant1	-33.04	-27	Pass
NVNT	ac20	5280	Ant1	-31.82	-27	Pass
NVNT	ac20	5320	Ant1	-32.67	-27	Pass
NVNT	ac40	5270	Ant1	-32.2	-27	Pass
NVNT	ac40	5310	Ant1	-33.29	-27	Pass
NVNT	ac80	5290	Ant1	-33.45	-27	Pass

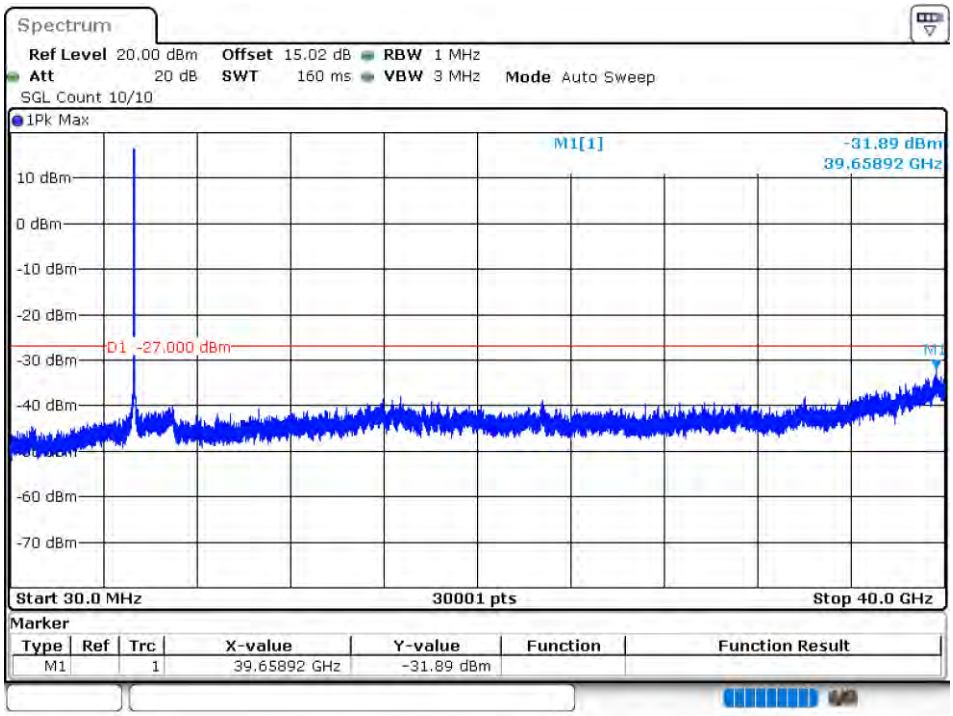
Test Graphs
Tx. Spurious NVNT a 5260MHz Ant1 Emission



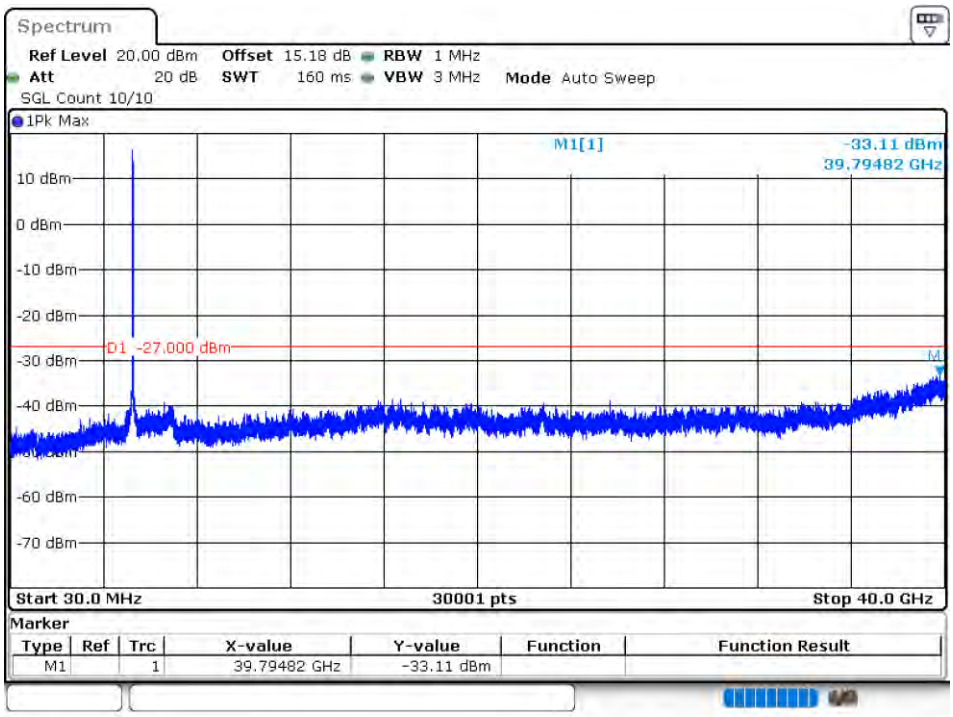
Tx. Spurious NVNT a 5280MHz Ant1 Emission



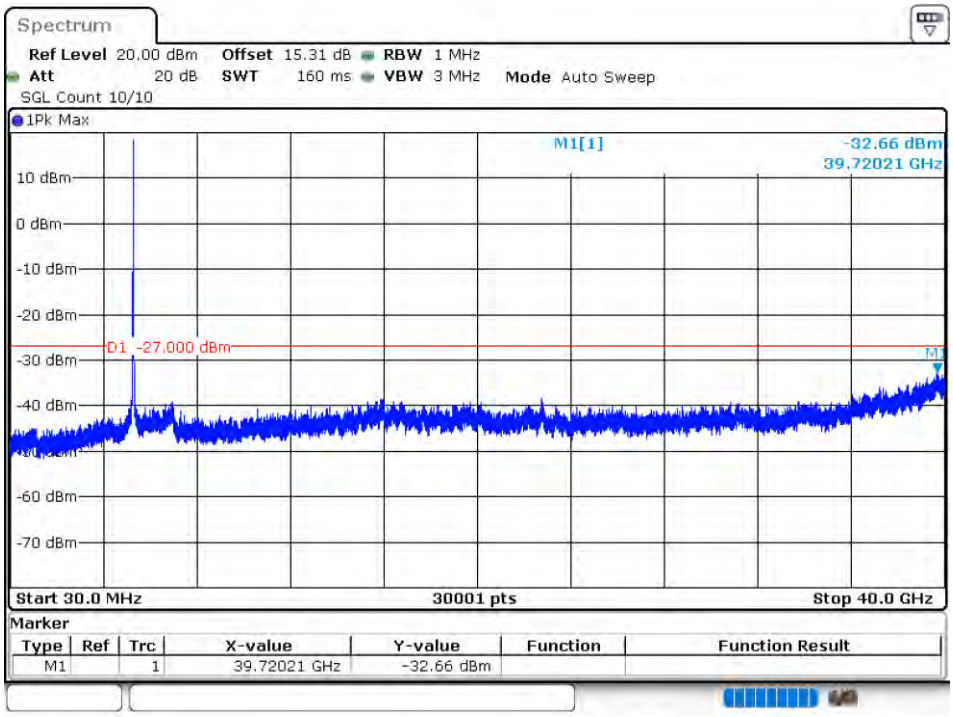
Tx. Spurious NVNT a 5320MHz Ant1 Emission



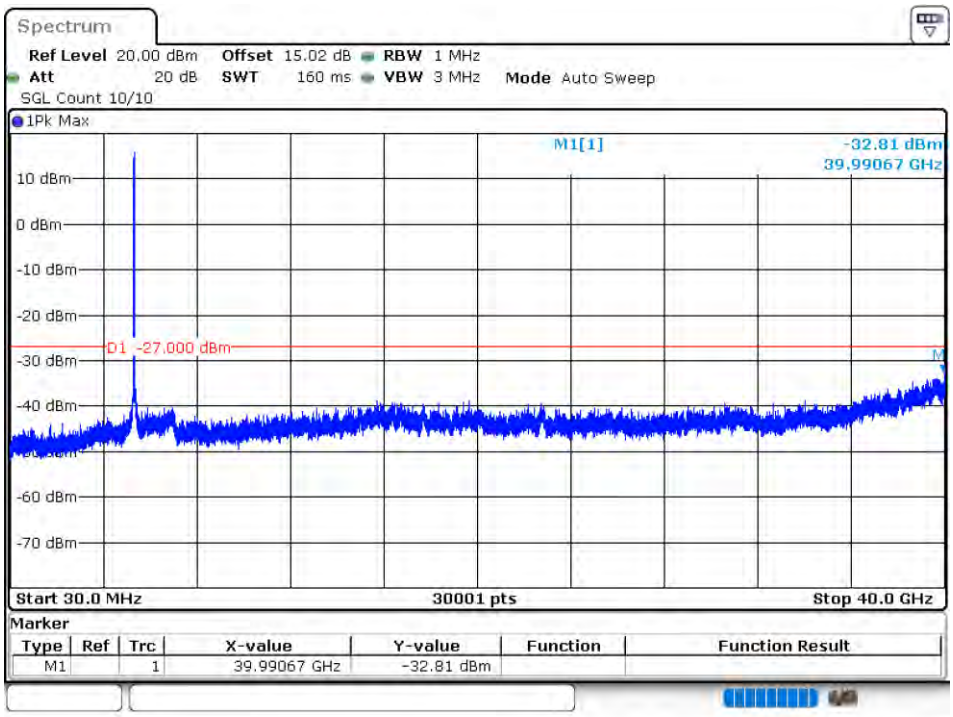
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



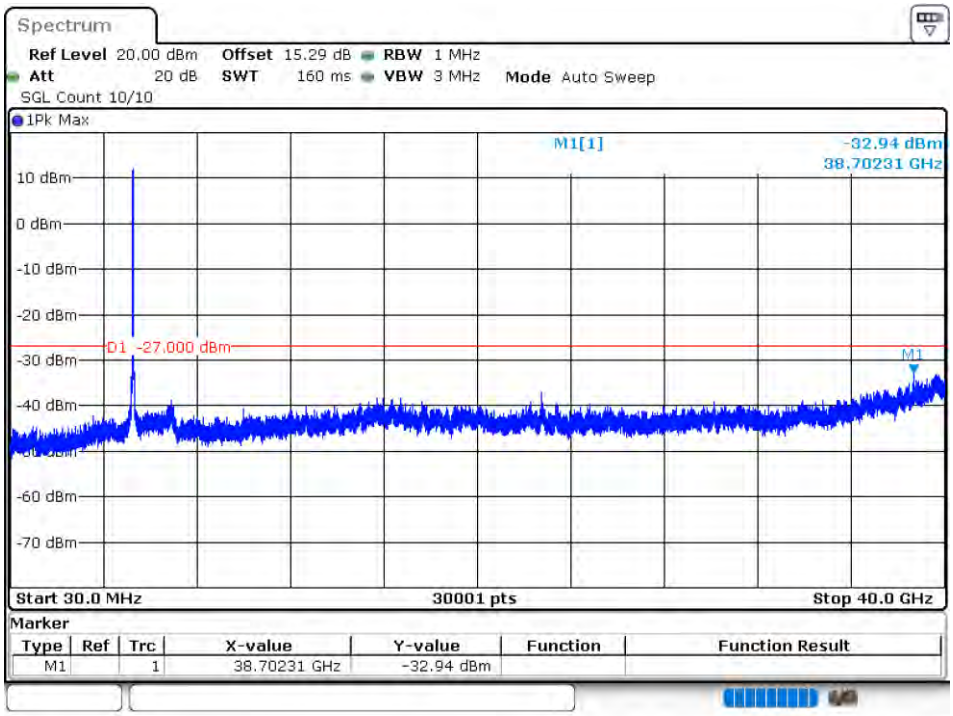
Tx. Spurious NVNT n20 5280MHz Ant1 Emission



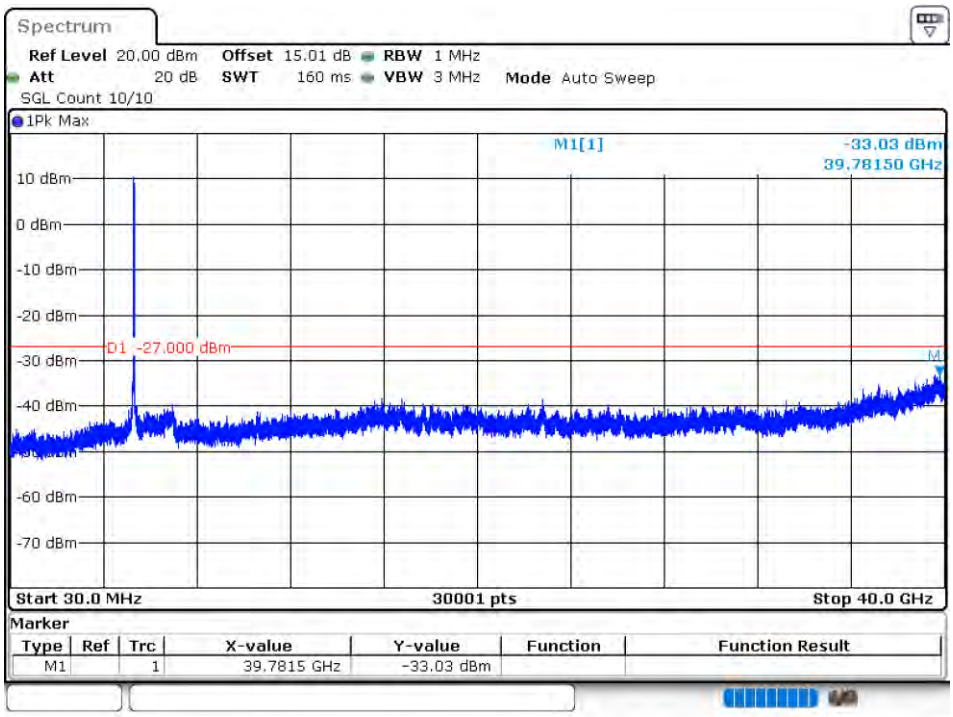
Tx. Spurious NVNT n20 5320MHz Ant1 Emission



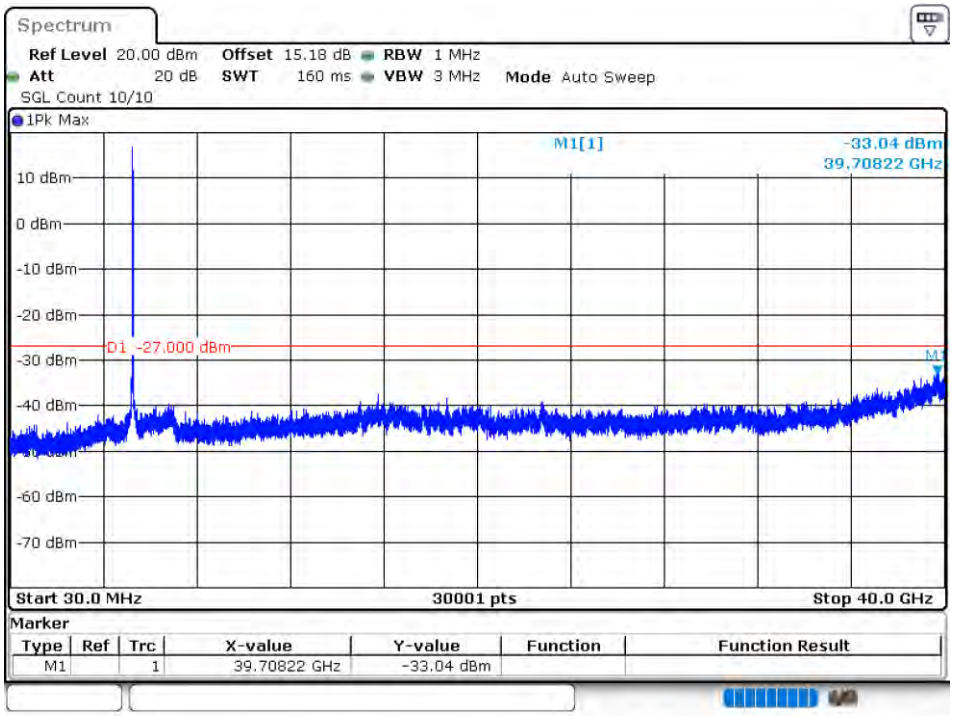
Tx. Spurious NVNT n40 5270MHz Ant1 Emission



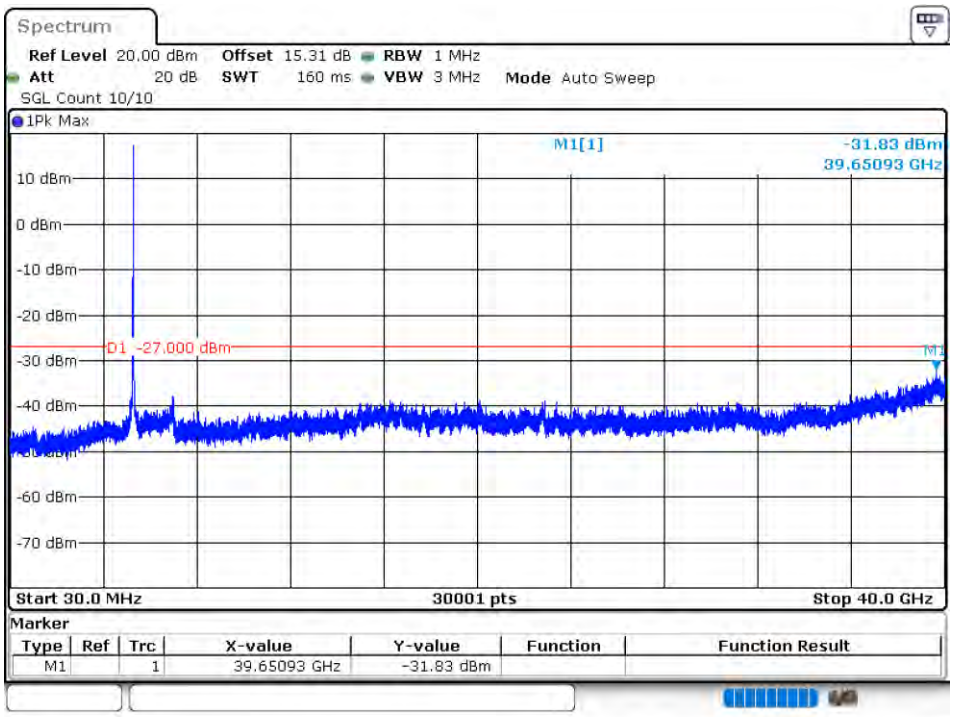
Tx. Spurious NVNT n40 5310MHz Ant1 Emission



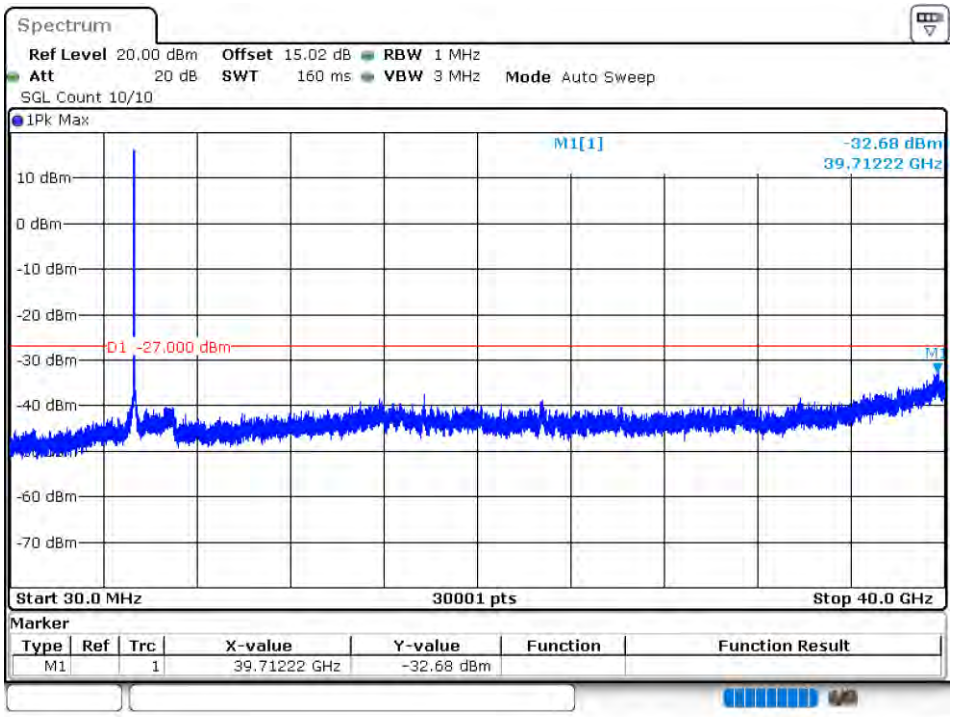
Tx. Spurious NVNT ac20 5260MHz Ant1 Emission



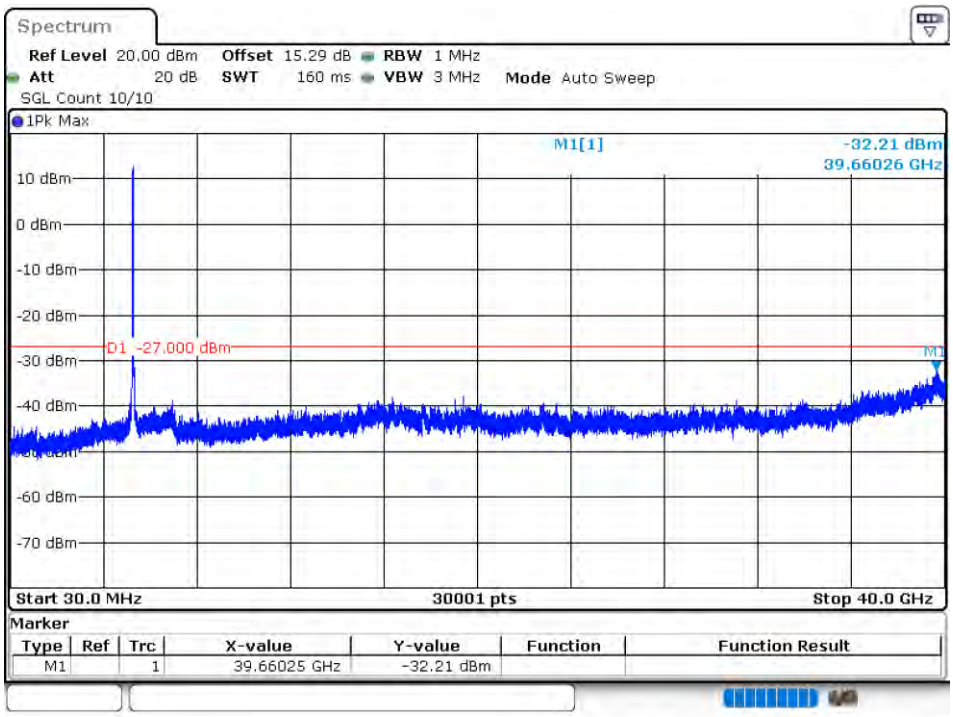
Tx. Spurious NVNT ac20 5280MHz Ant1 Emission



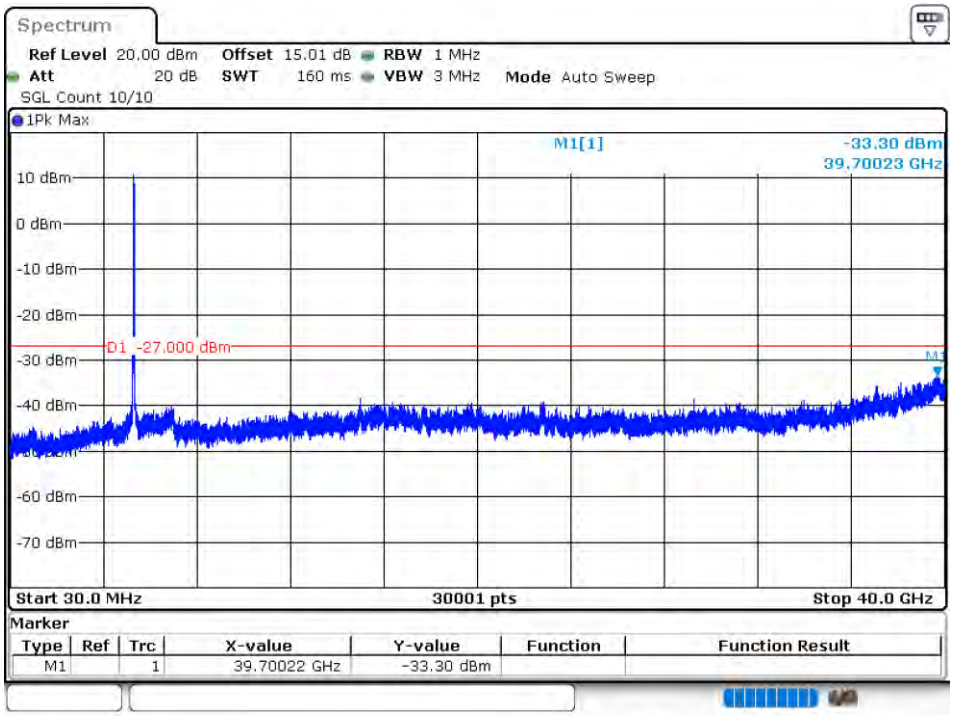
Tx. Spurious NVNT ac20 5320MHz Ant1 Emission



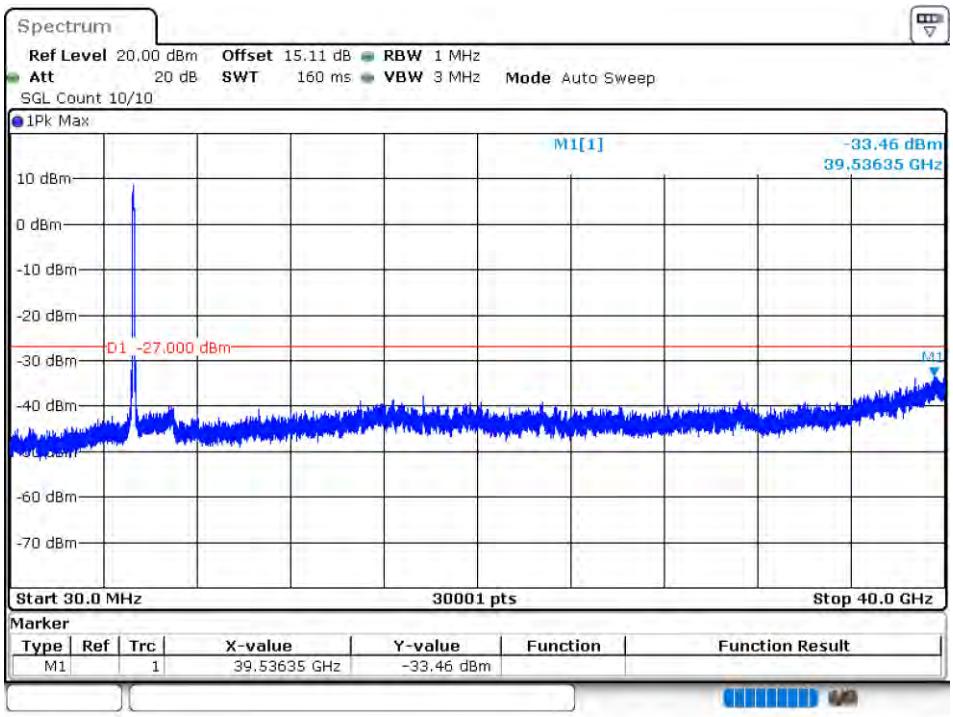
Tx. Spurious NVNT ac40 5270MHz Ant1 Emission



Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



Tx. Spurious NVNT ac80 5290MHz Ant1 Emission



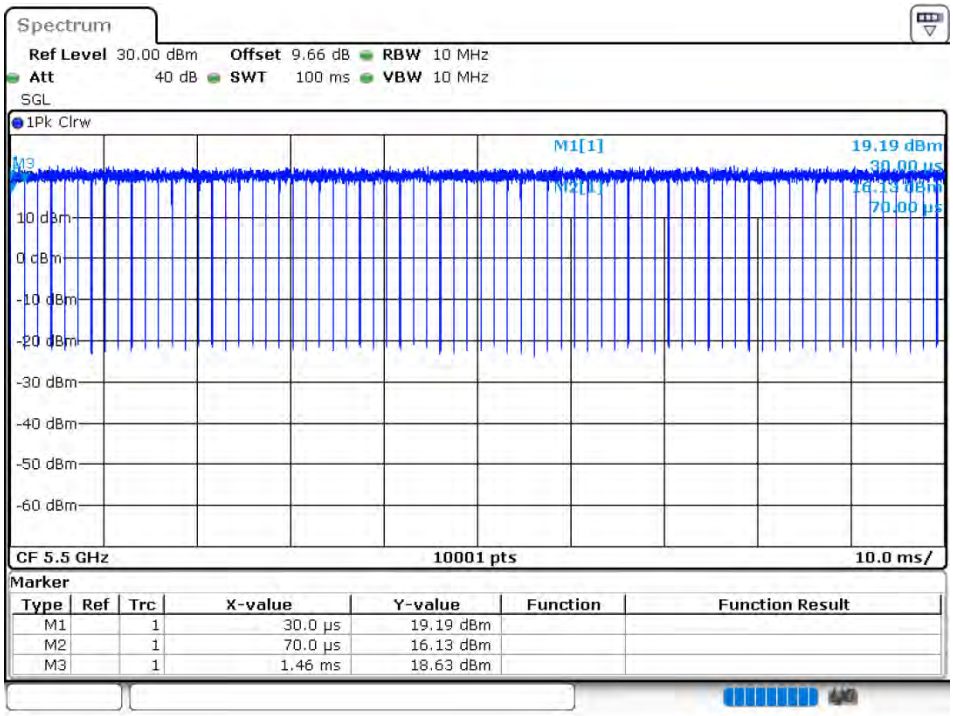
5.6G WIFI

Duty Cycle

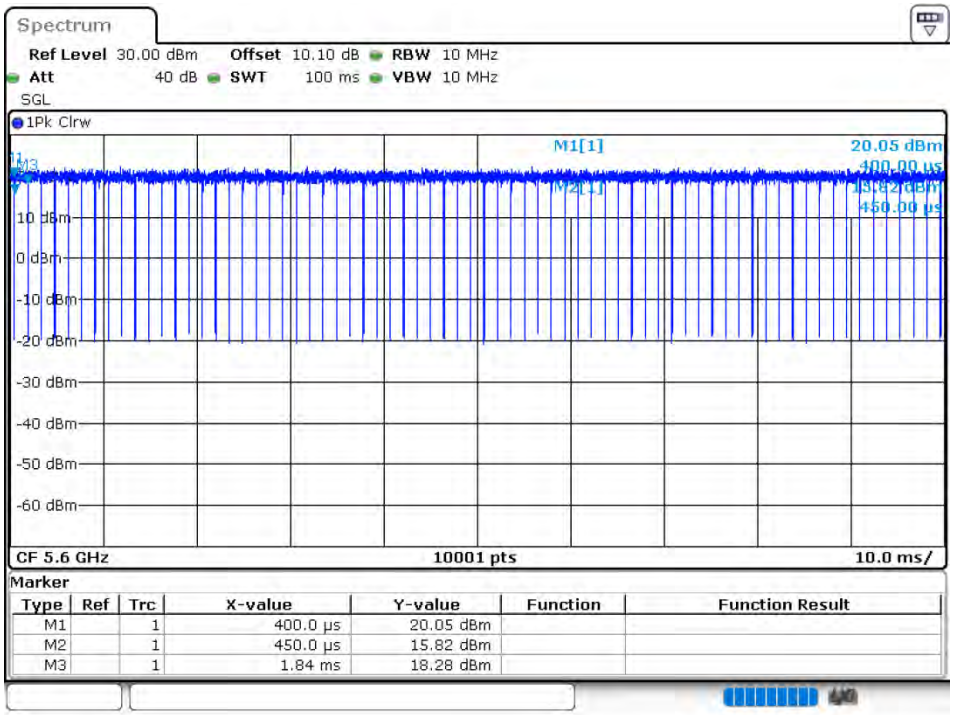
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	97.6	0.11	0.72
NVNT	a	5600	Ant1	97.54	0.11	0.72
NVNT	a	5700	Ant1	97.62	0.1	0.72
NVNT	n20	5500	Ant1	97.45	0.11	0.77
NVNT	n20	5600	Ant1	97.44	0.11	0.77
NVNT	n20	5700	Ant1	97.45	0.11	0.77
NVNT	n40	5510	Ant1	95.1	0.22	1.54
NVNT	n40	5590	Ant1	95.05	0.22	1.54
NVNT	n40	5670	Ant1	95.05	0.22	1.54
NVNT	ac20	5500	Ant1	97.42	0.11	0.76
NVNT	ac20	5600	Ant1	97.44	0.11	0.76
NVNT	ac20	5700	Ant1	97.5	0.11	0.76
NVNT	ac40	5510	Ant1	95.09	0.22	1.54
NVNT	ac40	5590	Ant1	95.09	0.22	1.54
NVNT	ac40	5670	Ant1	95.1	0.22	1.54
NVNT	ac80	5530	Ant1	90.7	0.42	3.13
NVNT	ac80	5610	Ant1	90.57	0.43	3.13

Test Graphs

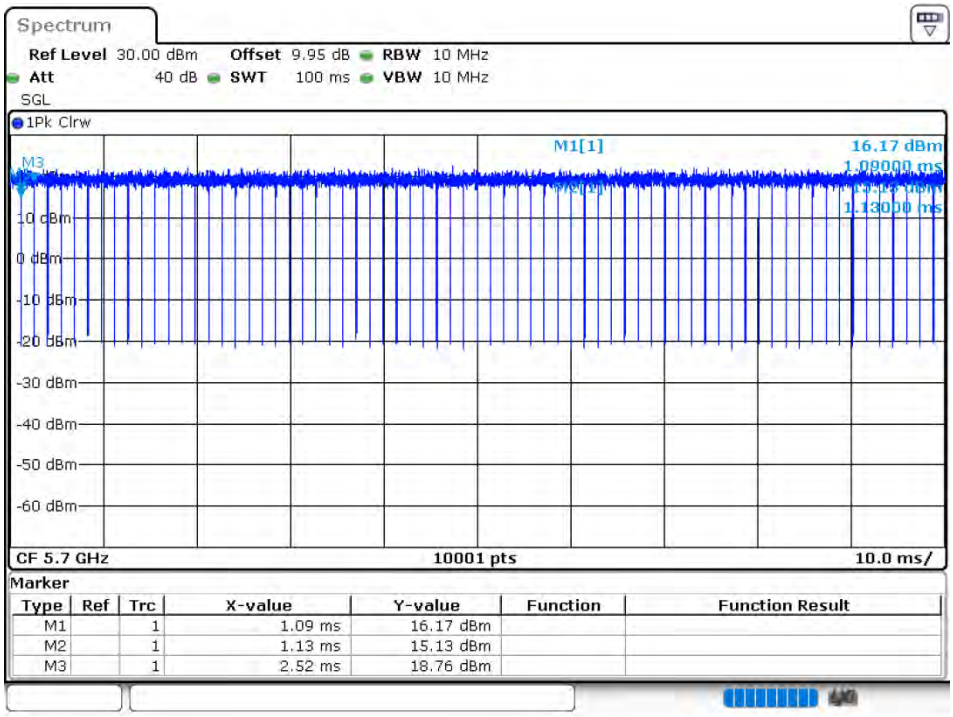
Duty Cycle NVNT a 5500MHz Ant1



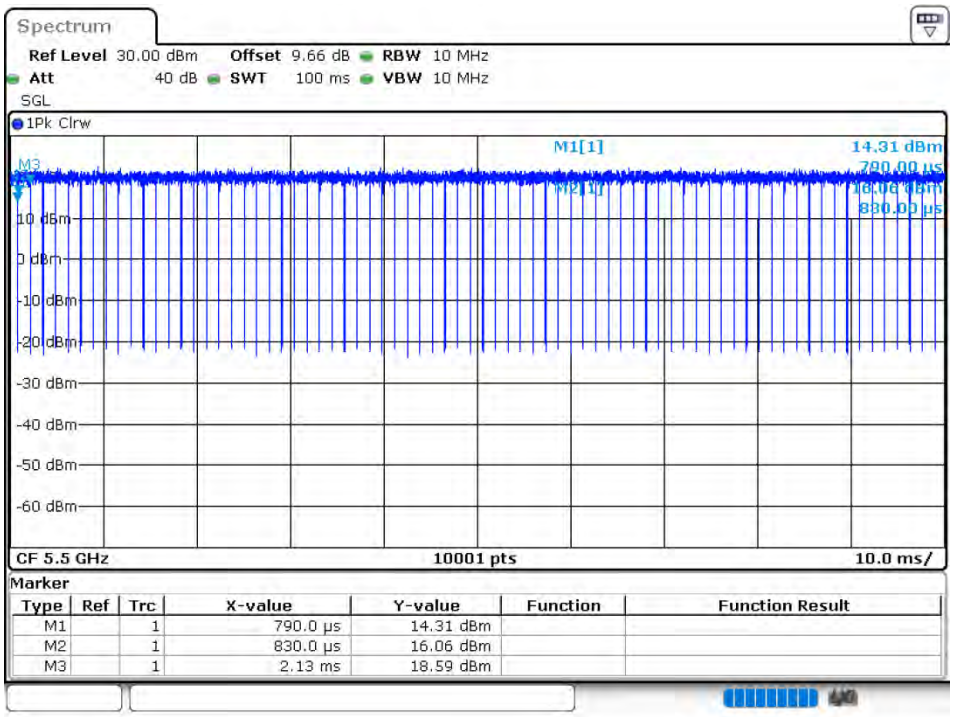
Duty Cycle NVNT a 5600MHz Ant1



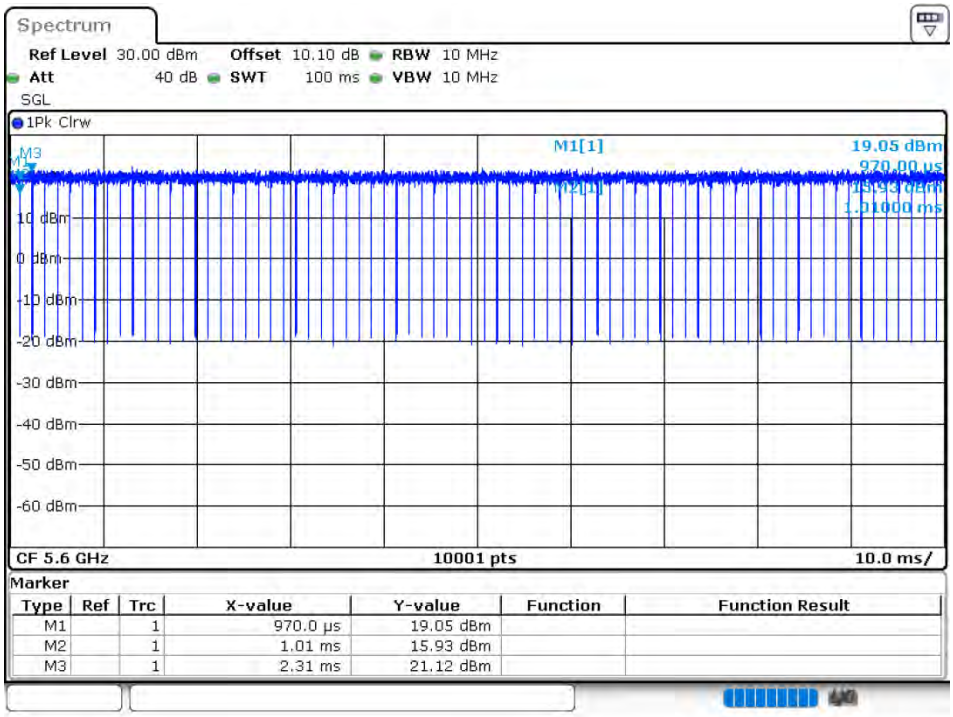
Duty Cycle NVNT a 5700MHz Ant1



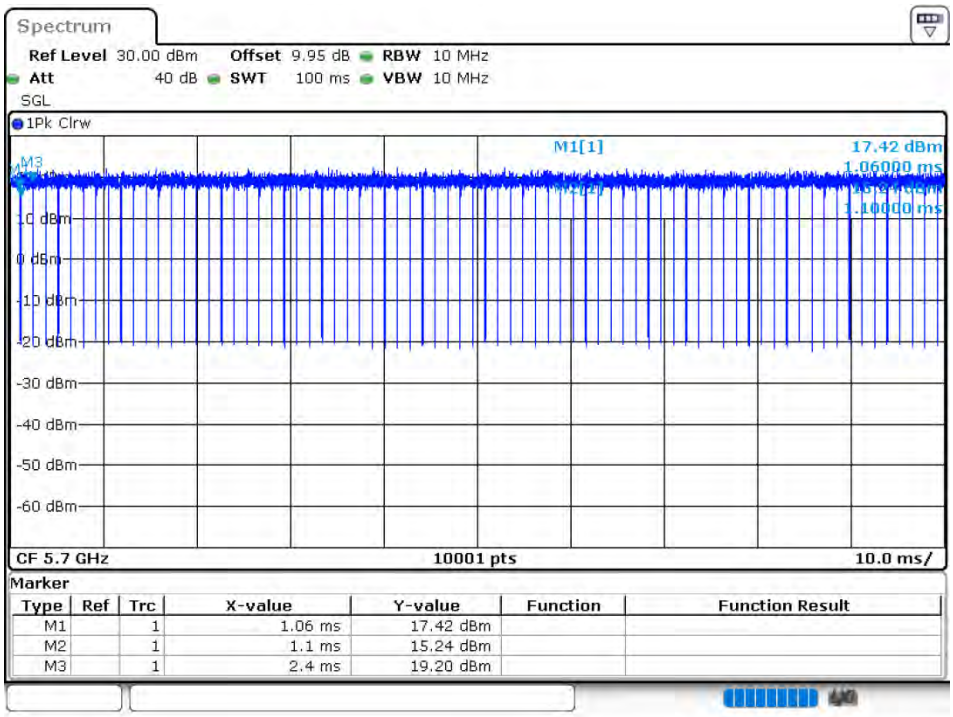
Duty Cycle NVNT n20 5500MHz Ant1



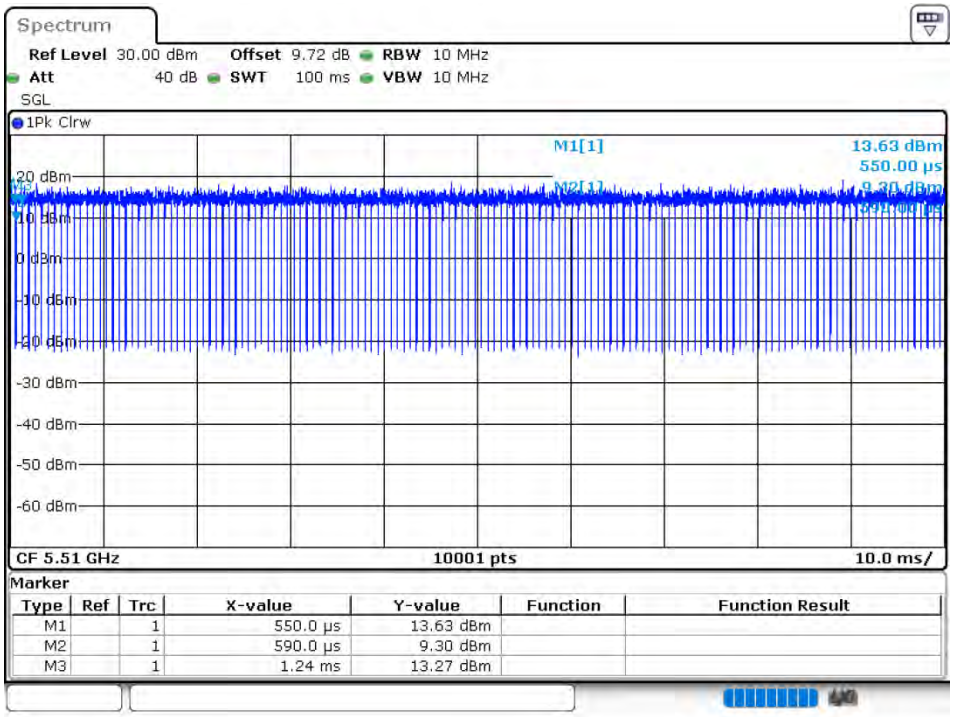
Duty Cycle NVNT n20 5600MHz Ant1



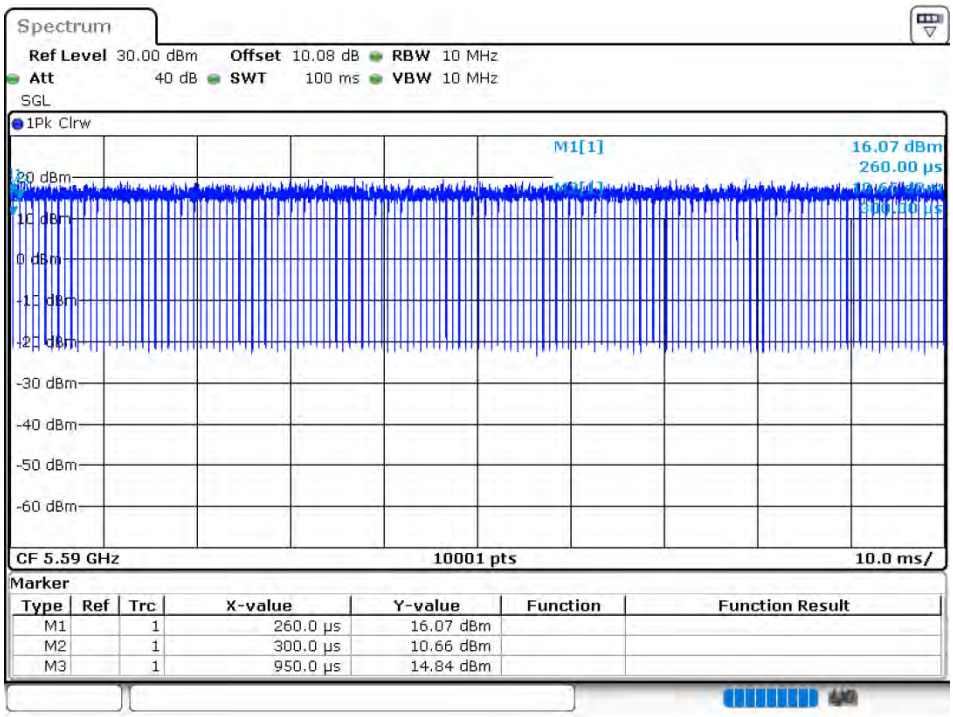
Duty Cycle NVNT n20 5700MHz Ant1



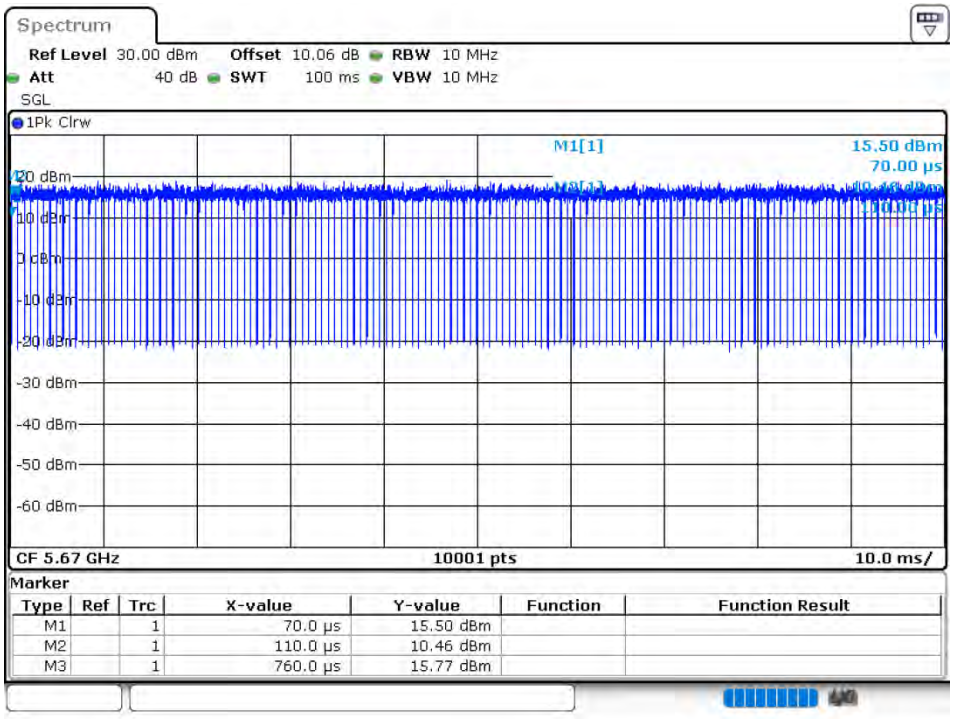
Duty Cycle NVNT n40 5510MHz Ant1



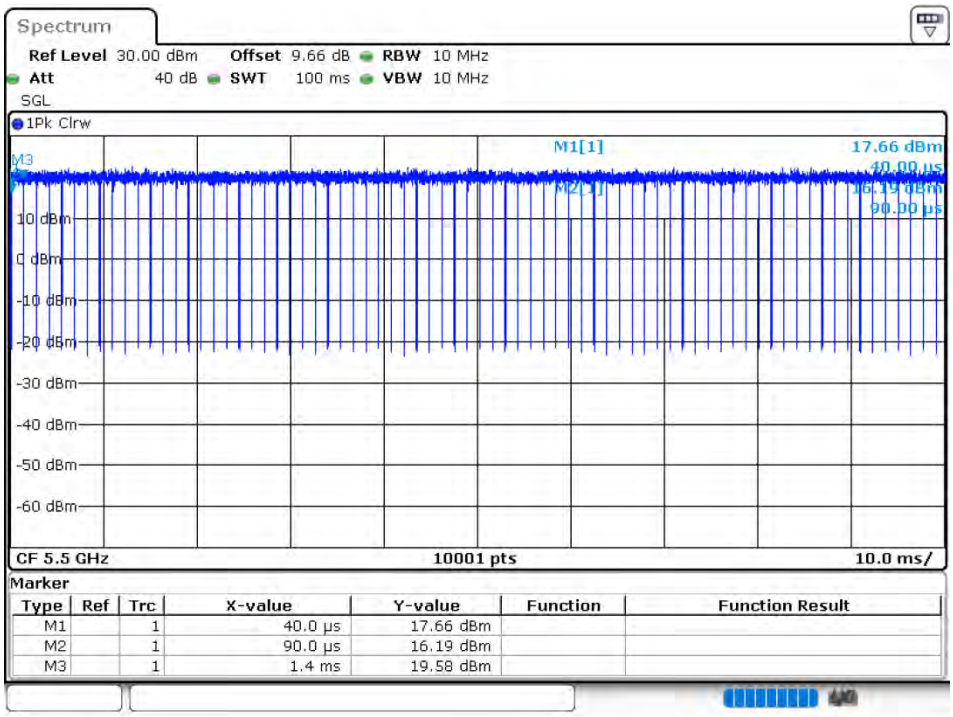
Duty Cycle NVNT n40 5590MHz Ant1



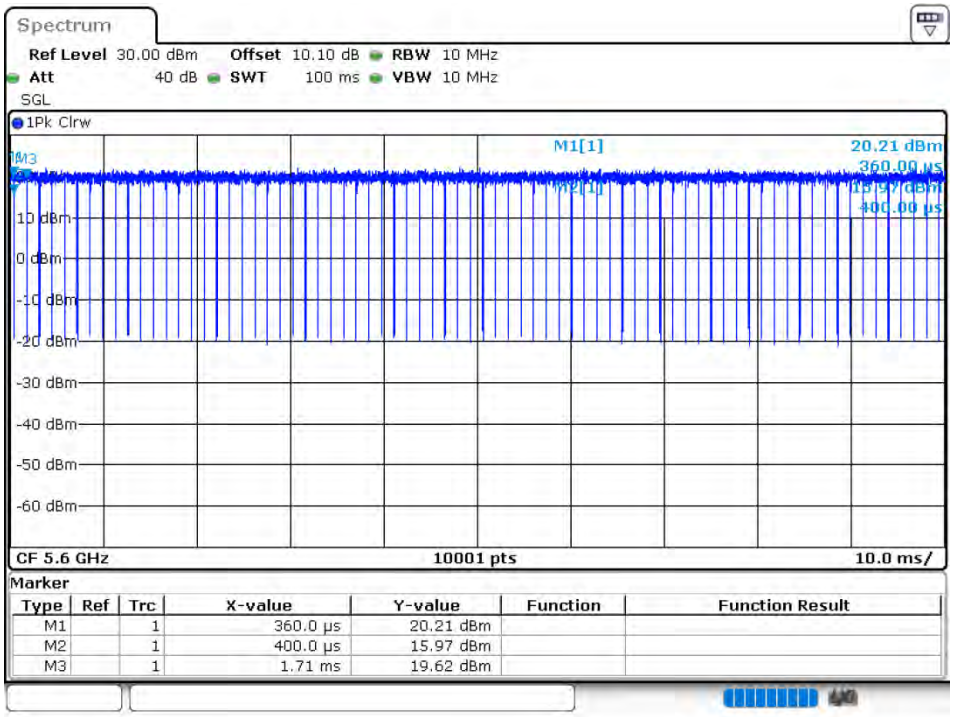
Duty Cycle NVNT n40 5670MHz Ant1



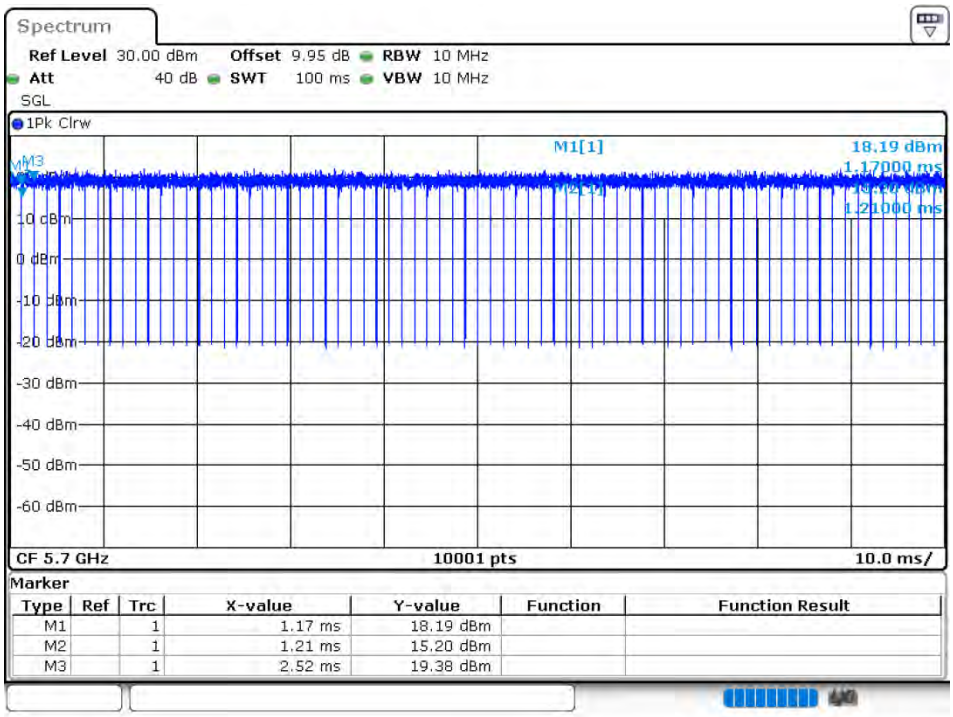
Duty Cycle NVNT ac20 5500MHz Ant1



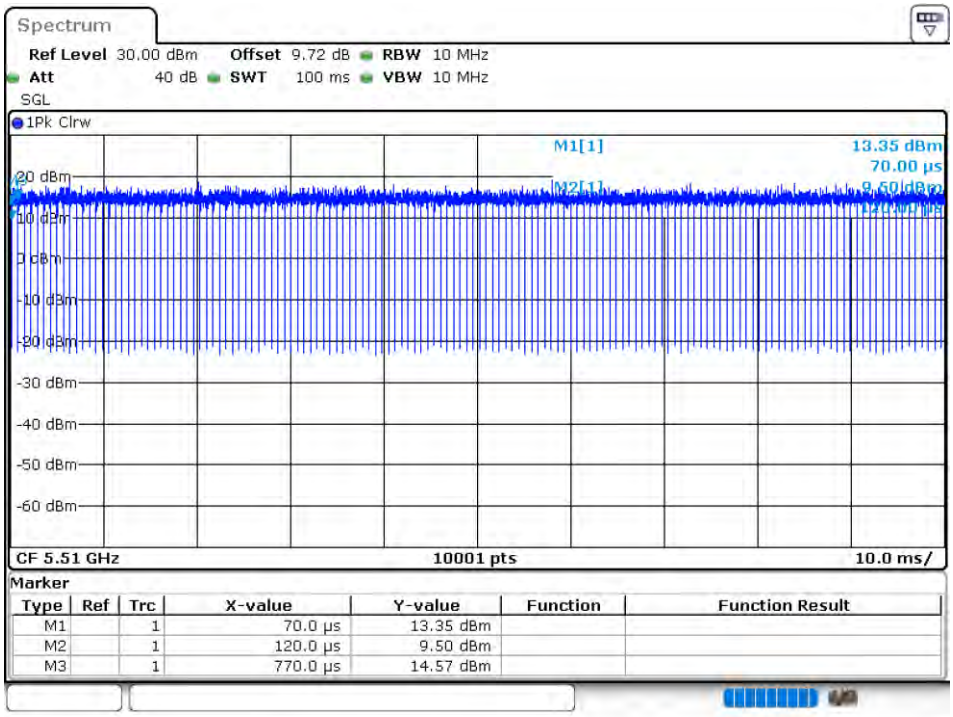
Duty Cycle NVNT ac20 5600MHz Ant1



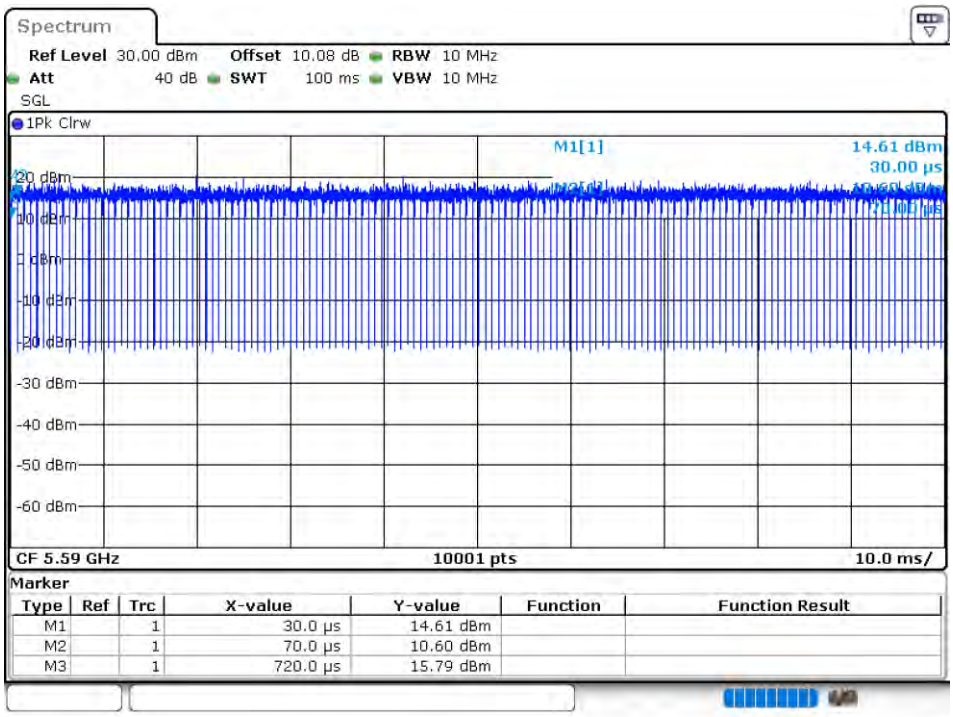
Duty Cycle NVNT ac20 5700MHz Ant1



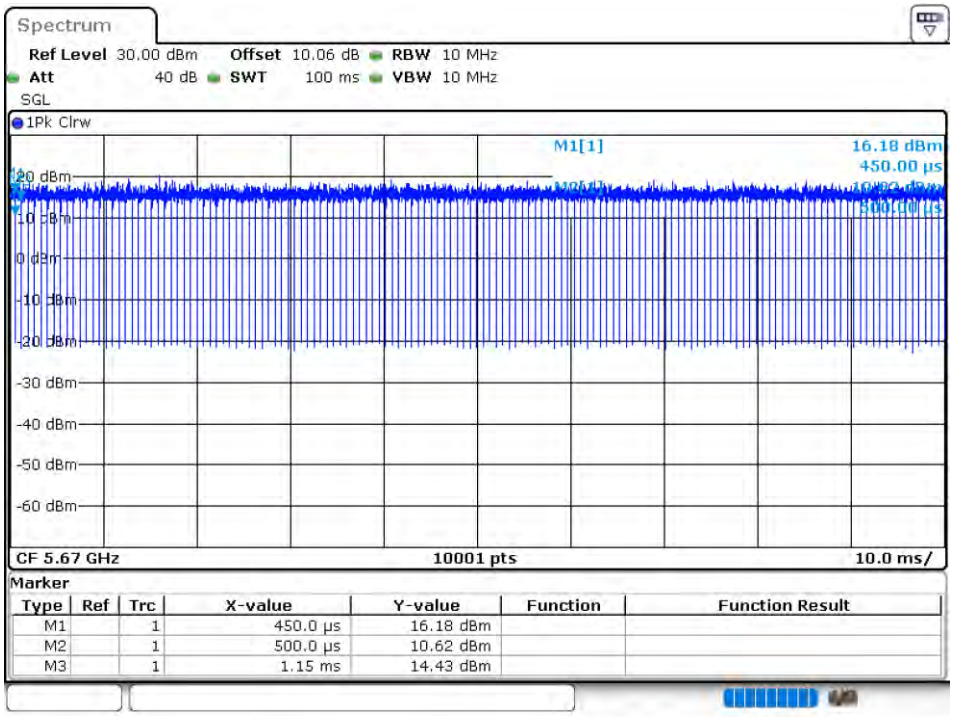
Duty Cycle NVNT ac40 5510MHz Ant1



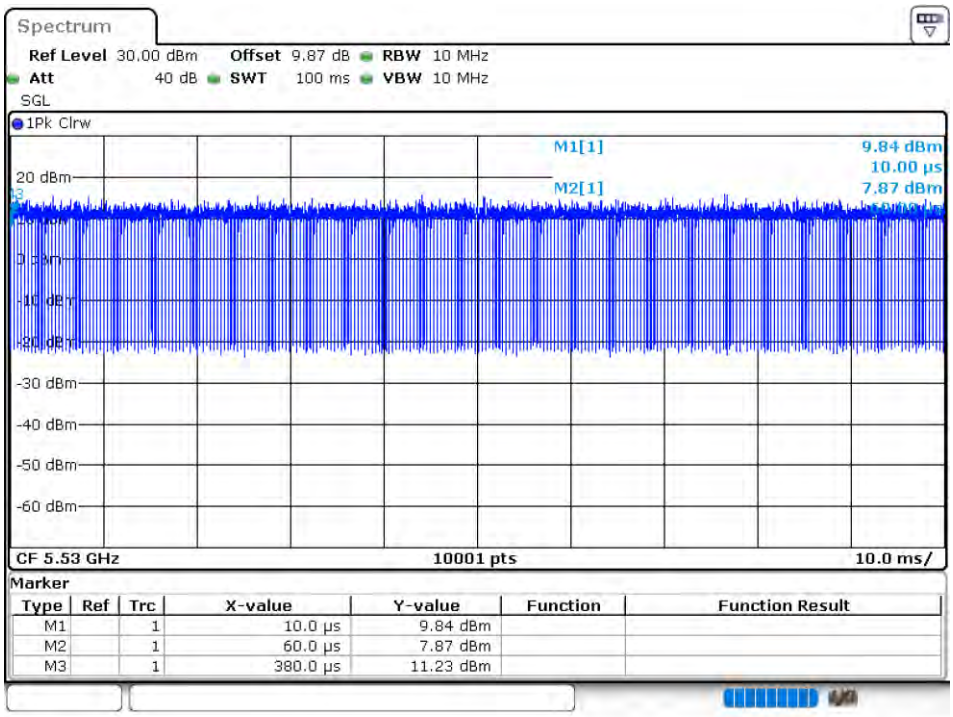
Duty Cycle NVNT ac40 5590MHz Ant1



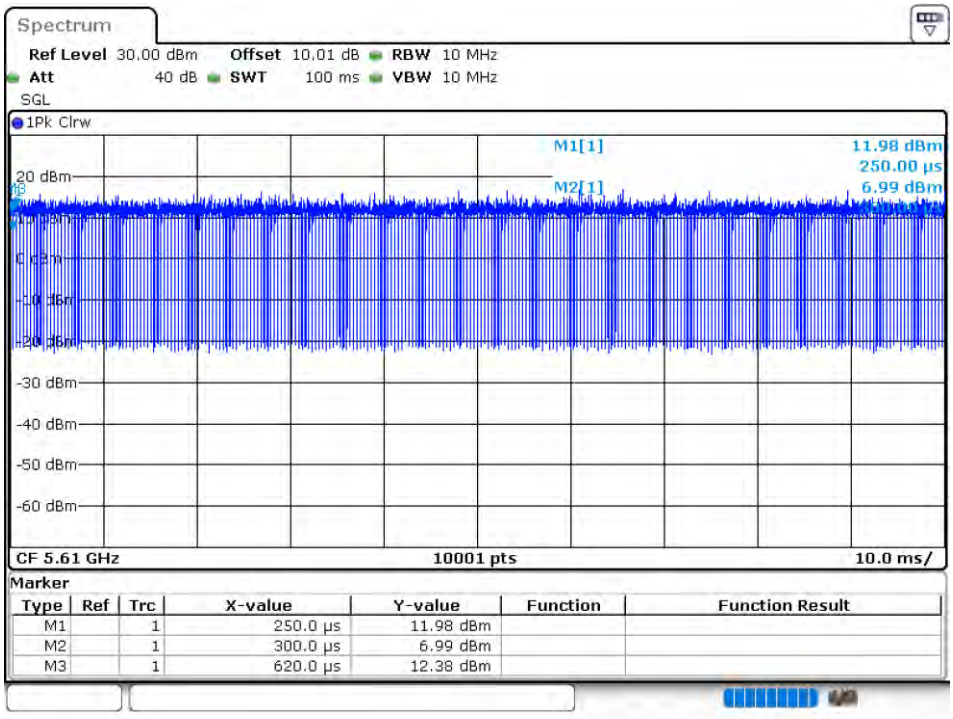
Duty Cycle NVNT ac40 5670MHz Ant1



Duty Cycle NVNT ac80 5530MHz Ant1



Duty Cycle NVNT ac80 5610MHz Ant1



Maximum Conducted Output Power

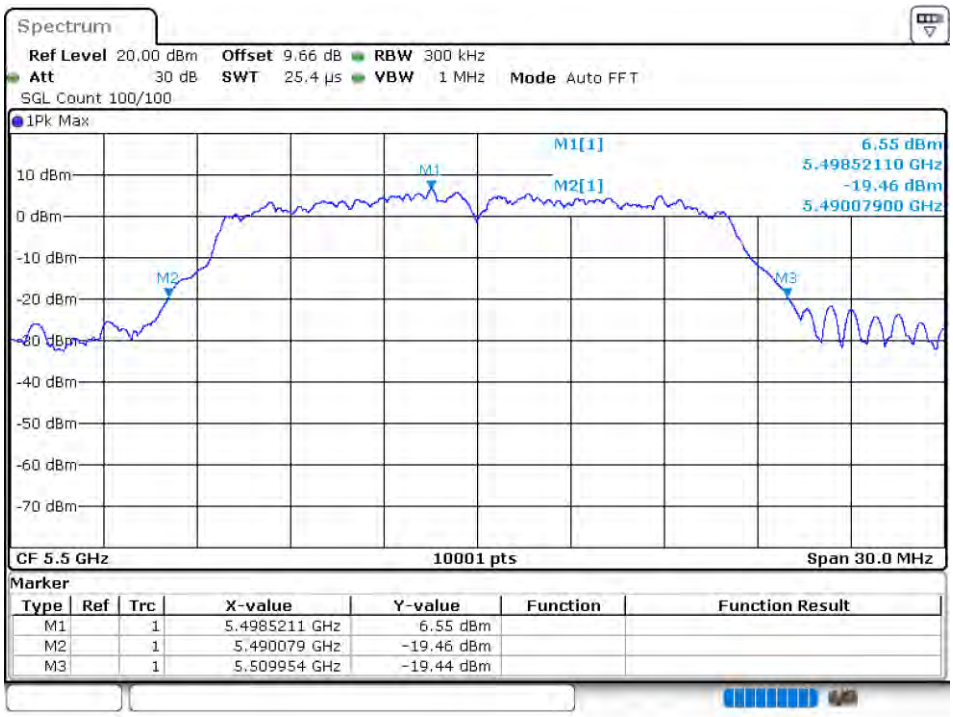
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	13.82	0.11	13.93	24	Pass
NVNT	a	5600	Ant1	13.93	0.11	14.04	24	Pass
NVNT	a	5700	Ant1	12.53	0.1	12.63	24	Pass
NVNT	n20	5500	Ant1	13.6	0.11	13.71	24	Pass
NVNT	n20	5600	Ant1	13.68	0.11	13.79	24	Pass
NVNT	n20	5700	Ant1	12.49	0.11	12.6	24	Pass
NVNT	n40	5510	Ant1	10.33	0.22	10.55	24	Pass
NVNT	n40	5590	Ant1	12.02	0.22	12.24	24	Pass
NVNT	n40	5670	Ant1	12.09	0.22	12.31	24	Pass
NVNT	ac20	5500	Ant1	13.72	0.11	13.83	24	Pass
NVNT	ac20	5600	Ant1	13.76	0.11	13.87	24	Pass
NVNT	ac20	5700	Ant1	12.52	0.11	12.63	24	Pass
NVNT	ac40	5510	Ant1	10.34	0.22	10.56	24	Pass
NVNT	ac40	5590	Ant1	11.94	0.22	12.16	24	Pass
NVNT	ac40	5670	Ant1	12.15	0.22	12.37	24	Pass
NVNT	ac80	5530	Ant1	10.56	0.42	10.98	24	Pass
NVNT	ac80	5610	Ant1	11.96	0.43	12.39	24	Pass

-26dB Bandwidth

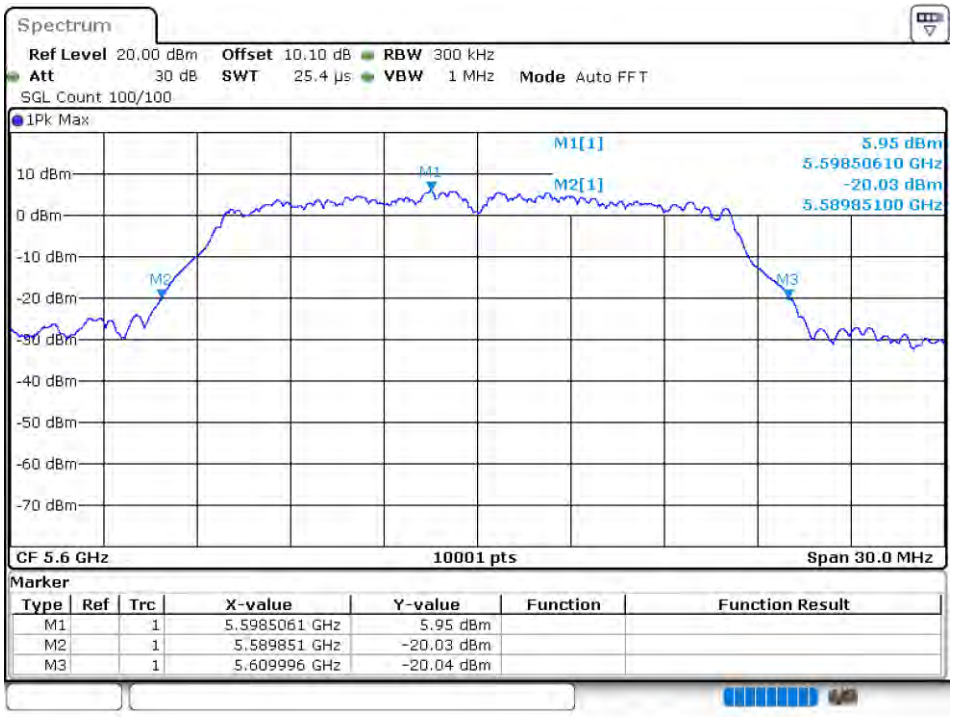
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	19.875	Pass
NVNT	a	5600	Ant1	20.145	Pass
NVNT	a	5700	Ant1	19.989	Pass
NVNT	n20	5500	Ant1	20.082	Pass
NVNT	n20	5600	Ant1	20.328	Pass
NVNT	n20	5700	Ant1	20.397	Pass
NVNT	n40	5510	Ant1	40.596	Pass
NVNT	n40	5590	Ant1	40.908	Pass
NVNT	n40	5670	Ant1	40.77	Pass
NVNT	ac20	5500	Ant1	20.226	Pass
NVNT	ac20	5600	Ant1	20.034	Pass
NVNT	ac20	5700	Ant1	20.136	Pass
NVNT	ac40	5510	Ant1	40.944	Pass
NVNT	ac40	5590	Ant1	40.812	Pass
NVNT	ac40	5670	Ant1	40.512	Pass
NVNT	ac80	5530	Ant1	81.252	Pass
NVNT	ac80	5610	Ant1	84.468	Pass

Test Graphs

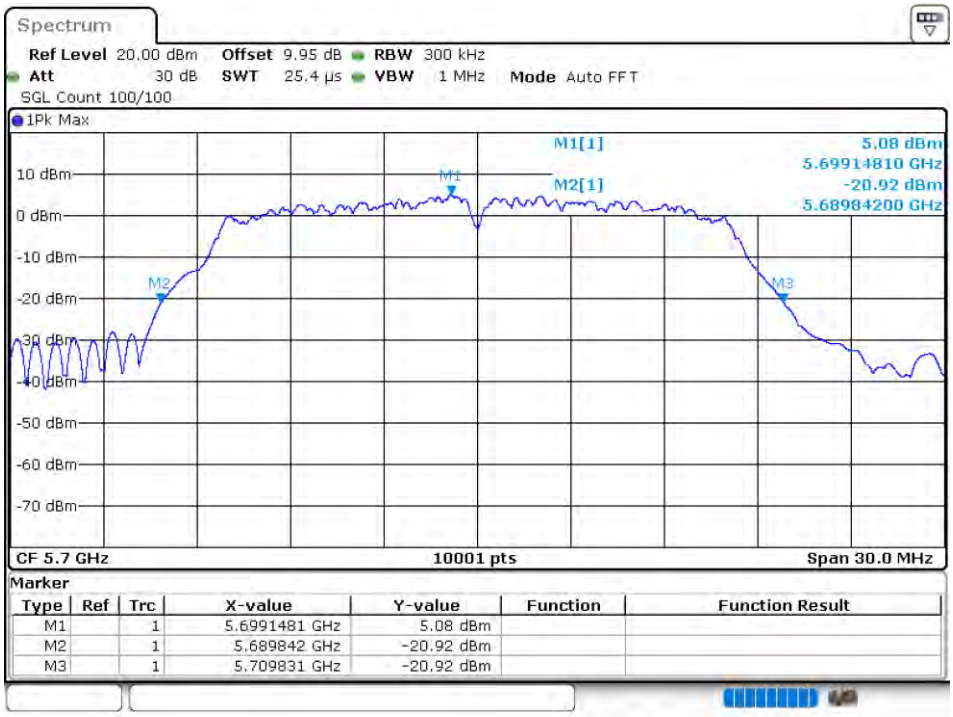
-26dB Bandwidth NVNT a 5500MHz Ant1



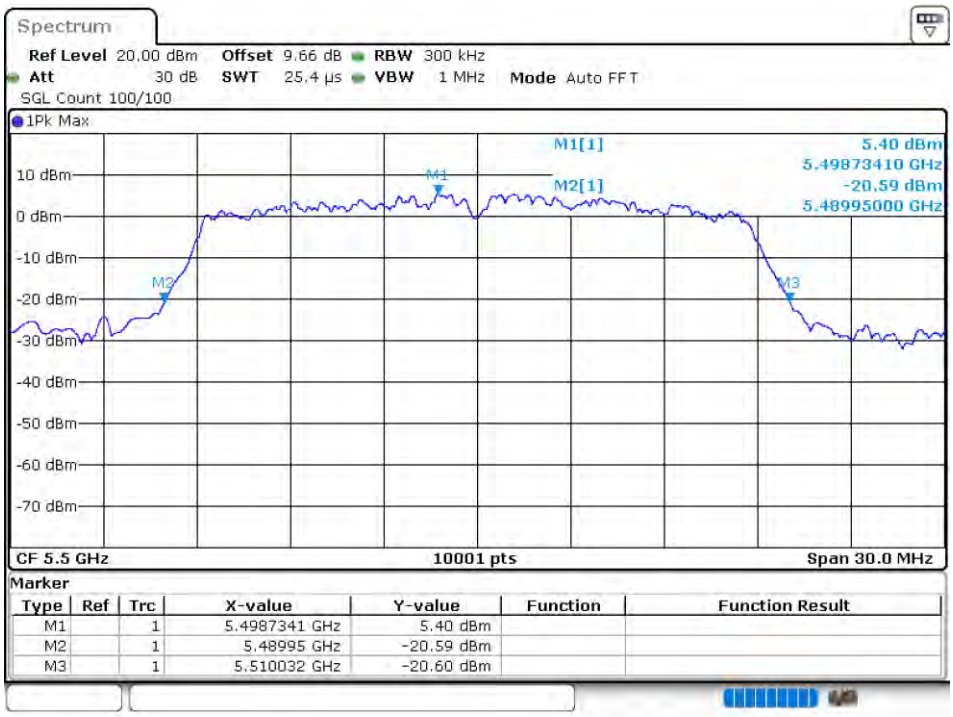
-26dB Bandwidth NVNT a 5600MHz Ant1



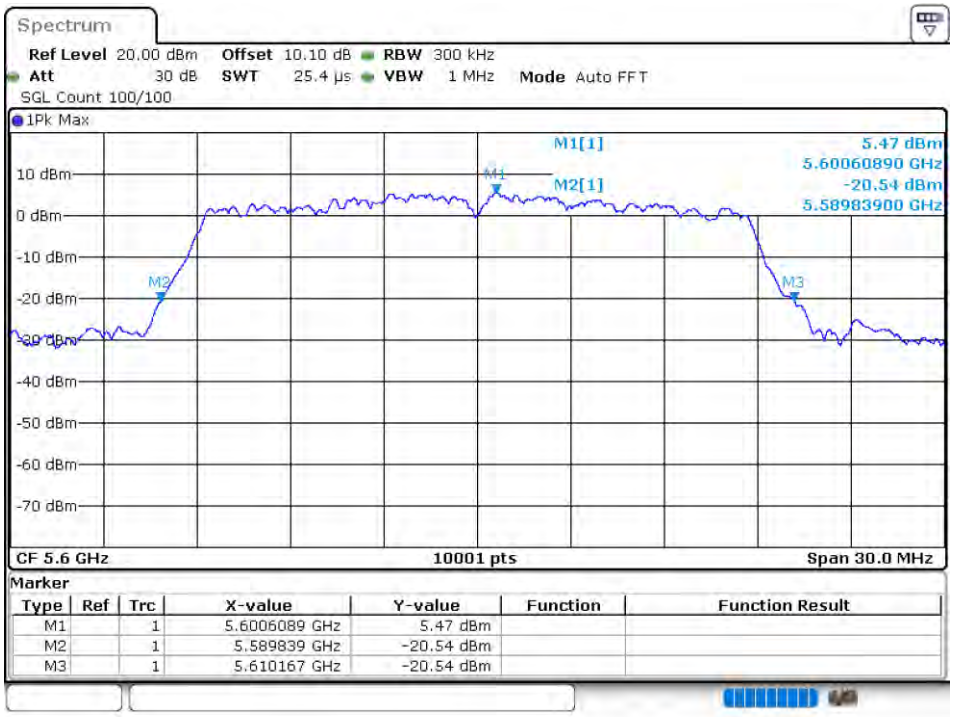
-26dB Bandwidth NVNT a 5700MHz Ant1



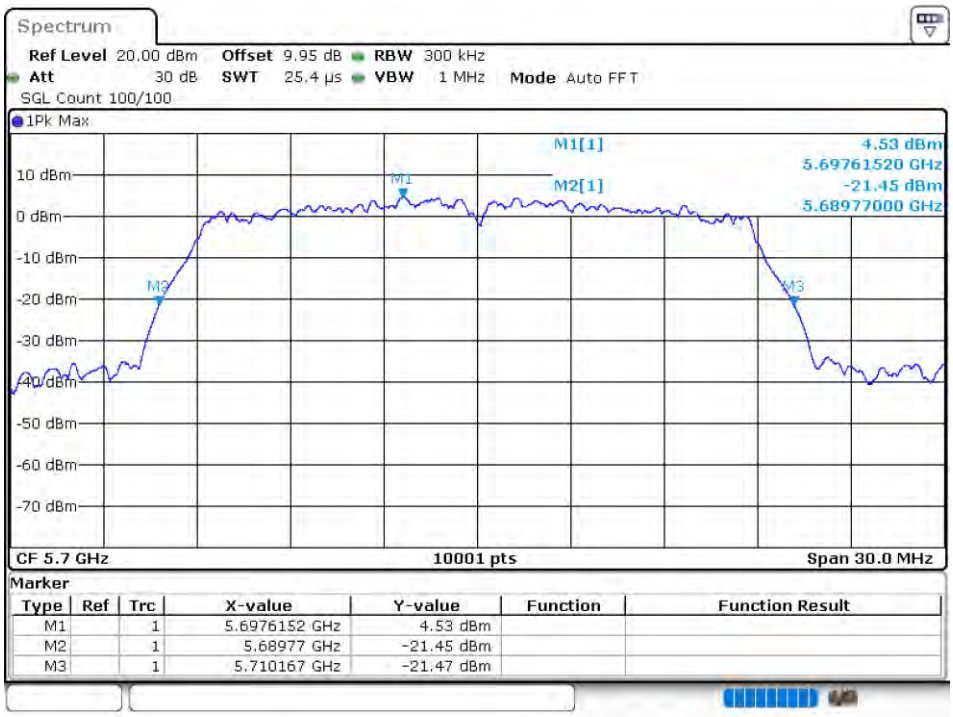
-26dB Bandwidth NVNT n20 5500MHz Ant1



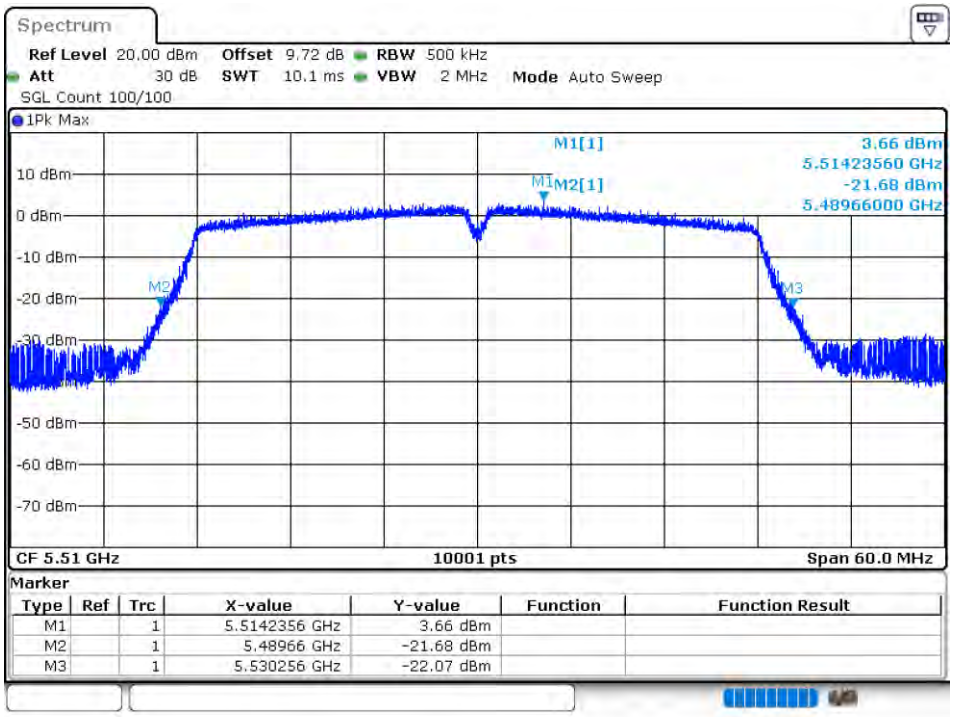
-26dB Bandwidth NVNT n20 5600MHz Ant1



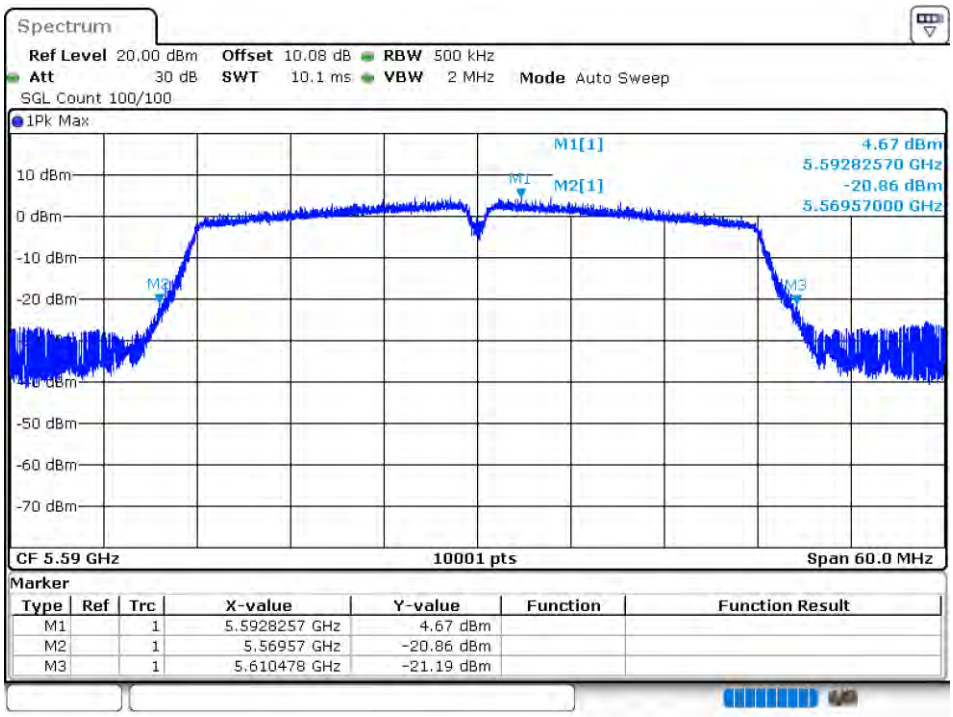
-26dB Bandwidth NVNT n20 5700MHz Ant1



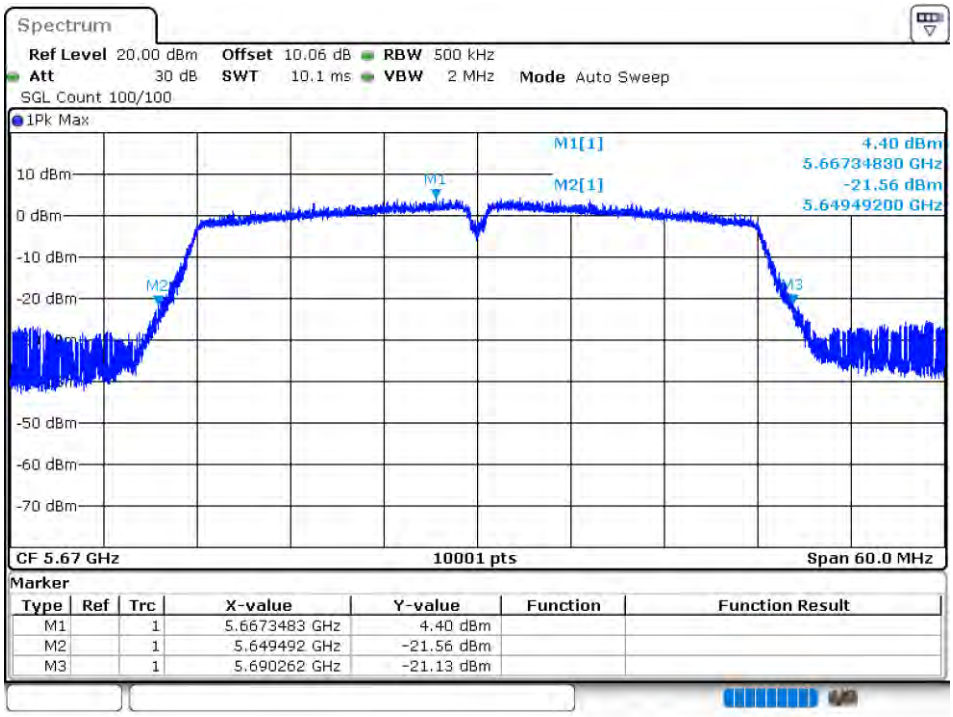
-26dB Bandwidth NVNT n40 5510MHz Ant1



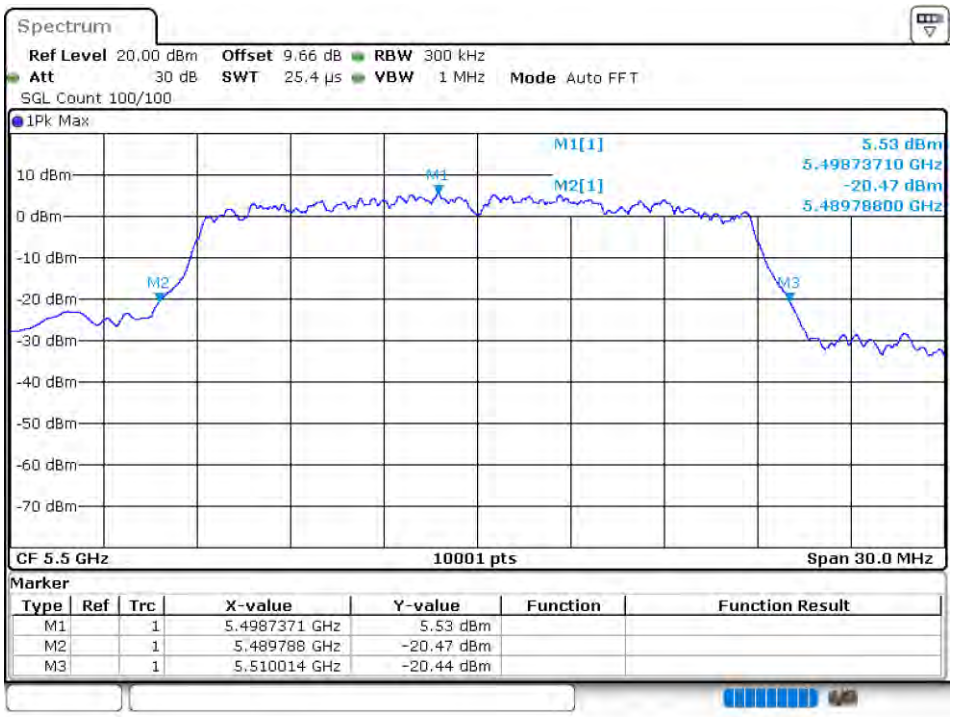
-26dB Bandwidth NVNT n40 5590MHz Ant1



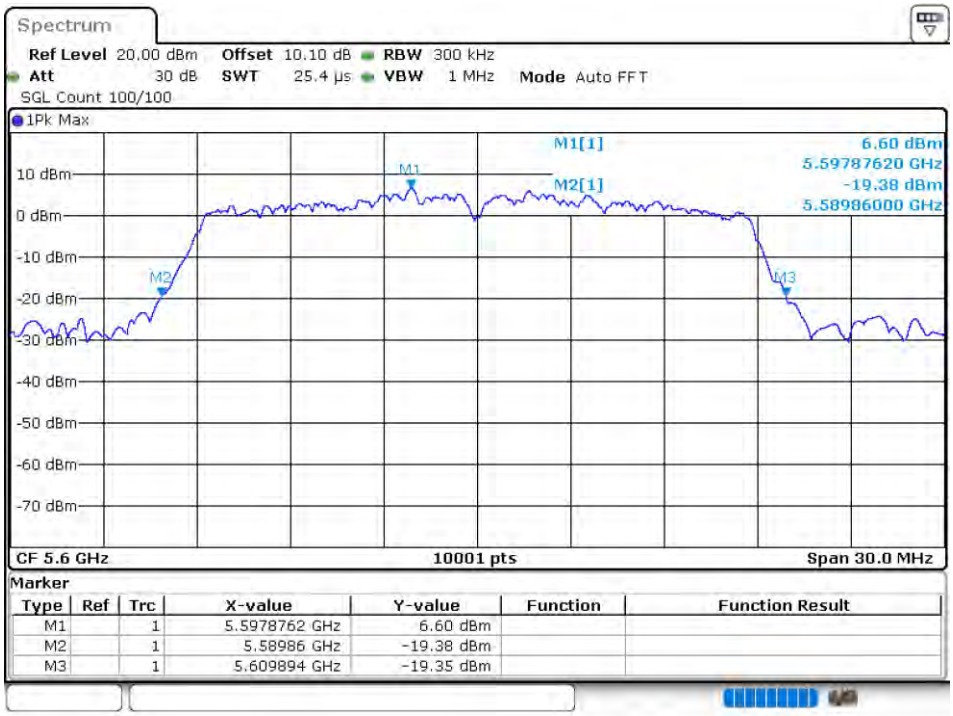
-26dB Bandwidth NVNT n40 5670MHz Ant1



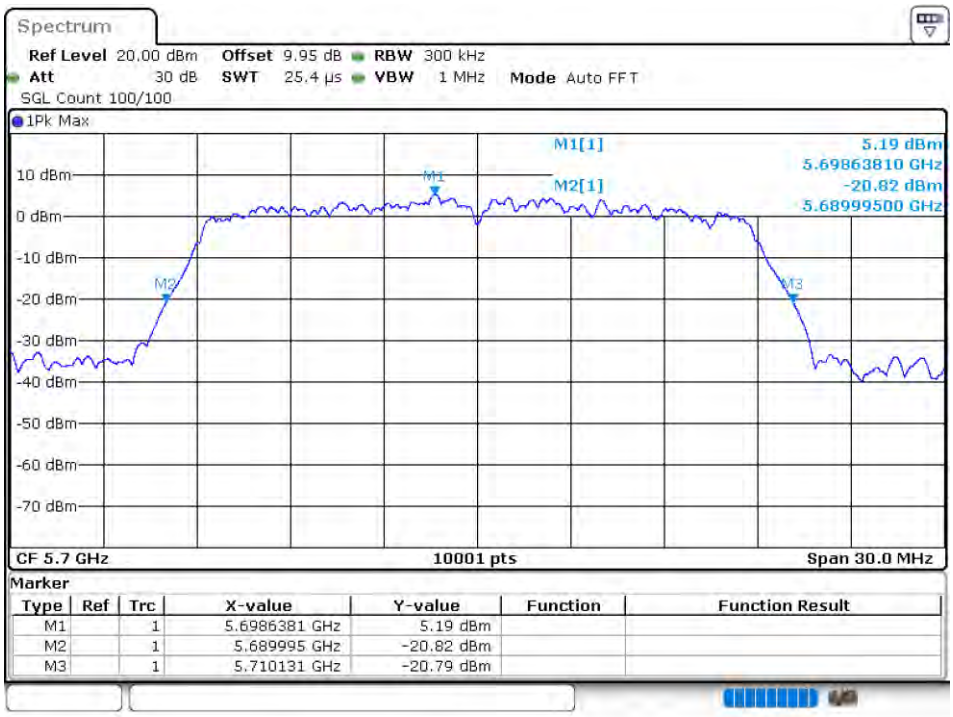
-26dB Bandwidth NVNT ac20 5500MHz Ant1



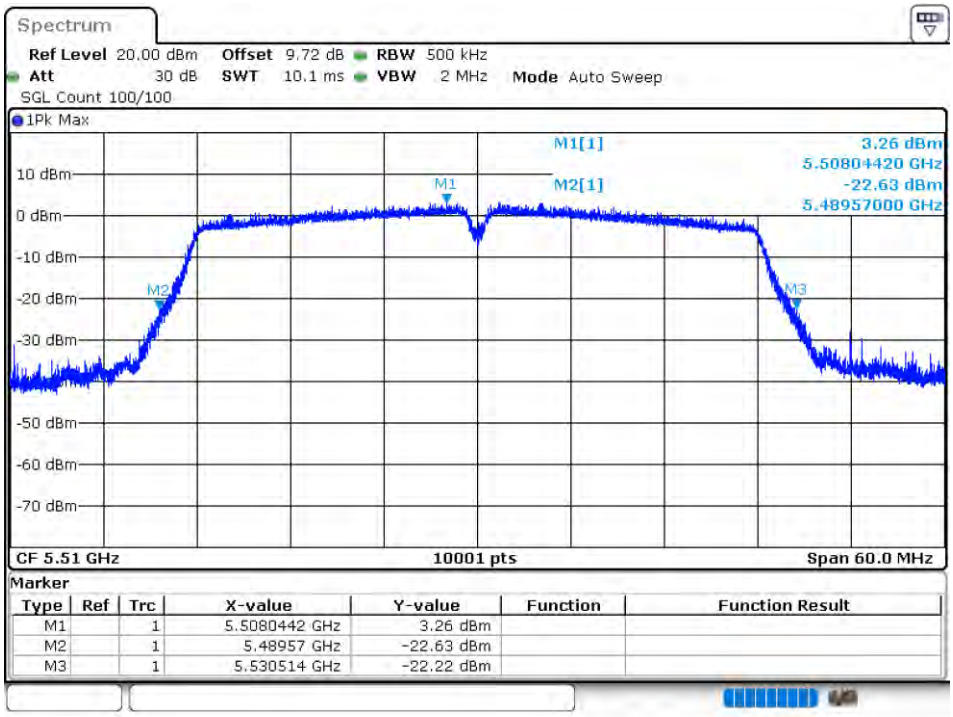
-26dB Bandwidth NVNT ac20 5600MHz Ant1



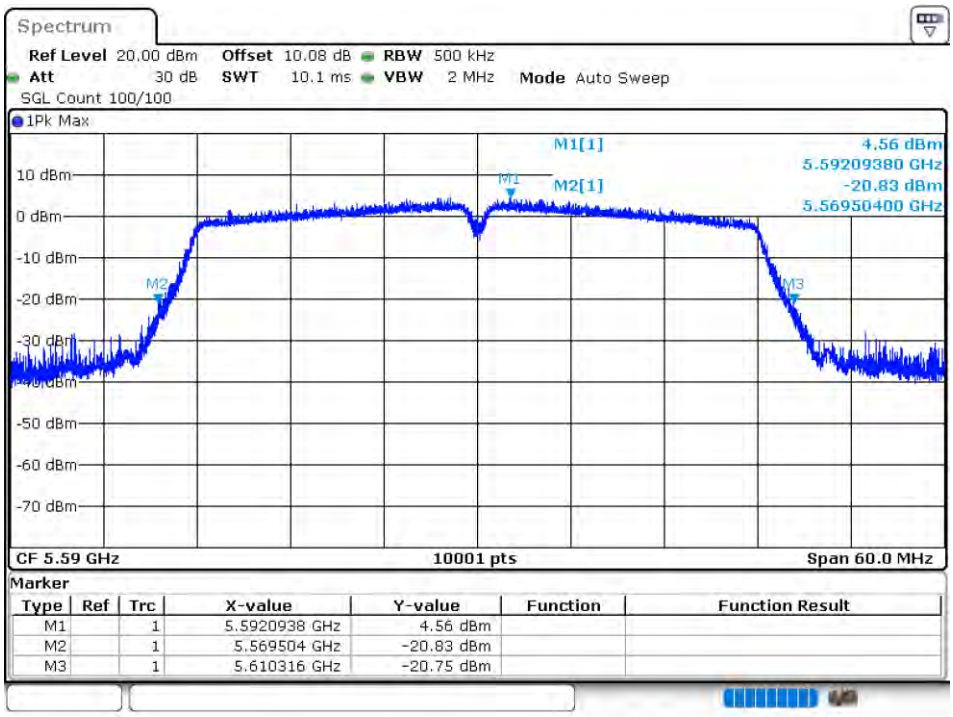
-26dB Bandwidth NVNT ac20 5700MHz Ant1



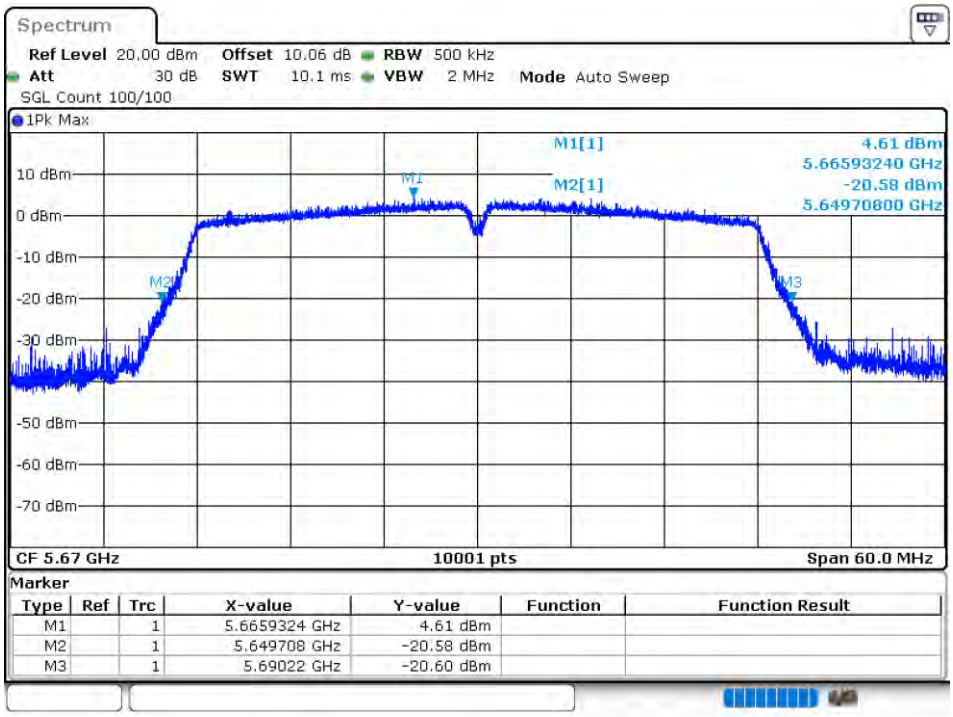
-26dB Bandwidth NVNT ac40 5510MHz Ant1



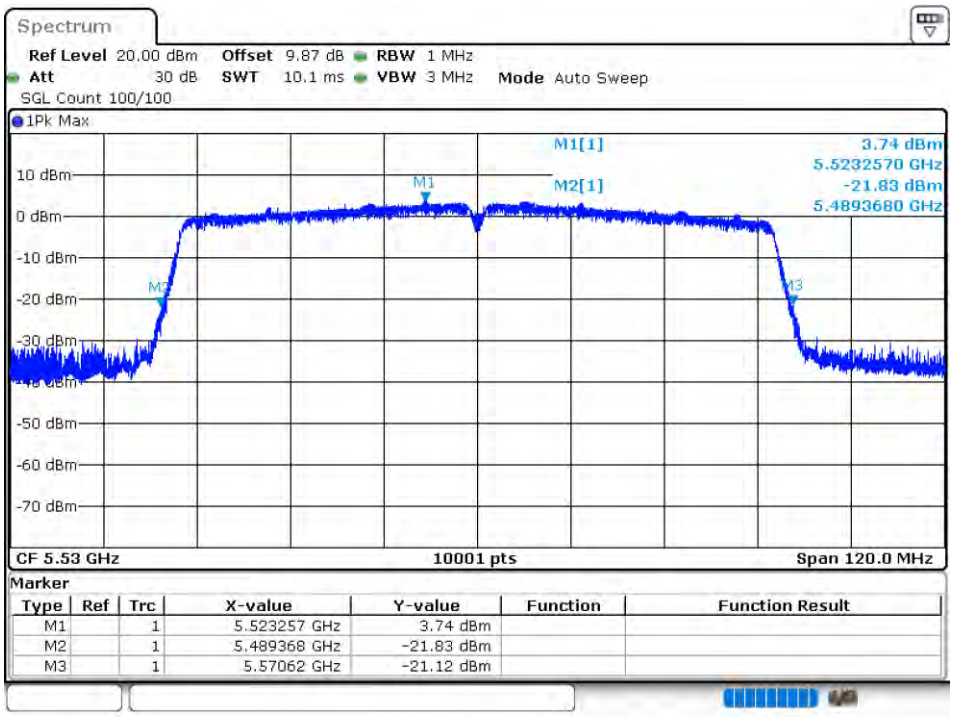
-26dB Bandwidth NVNT ac40 5590MHz Ant1



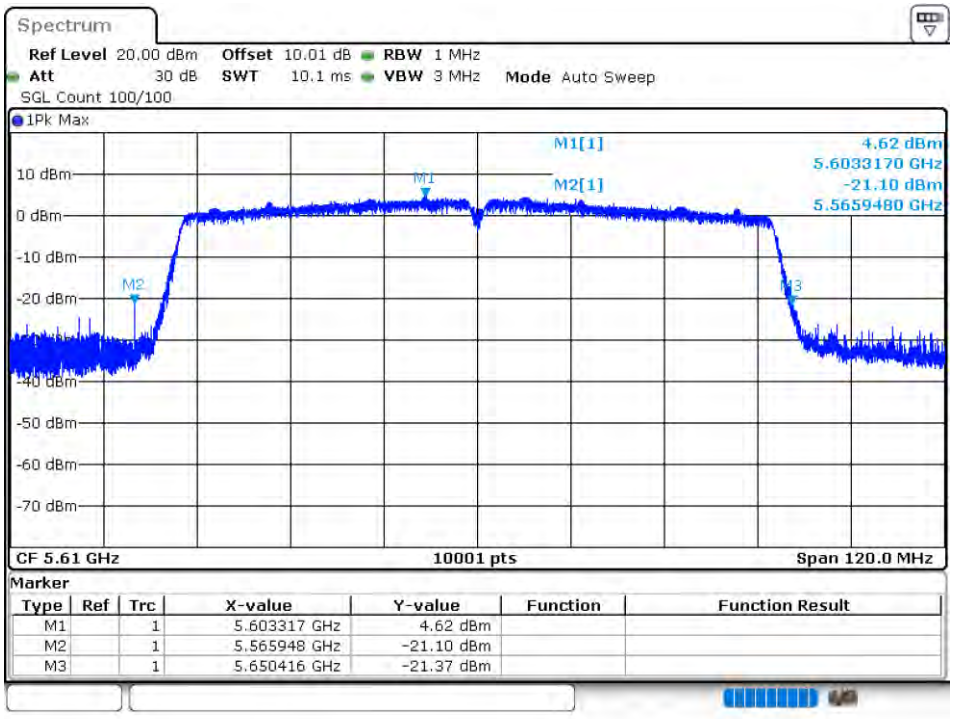
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1



-26dB Bandwidth NVNT ac80 5610MHz Ant1

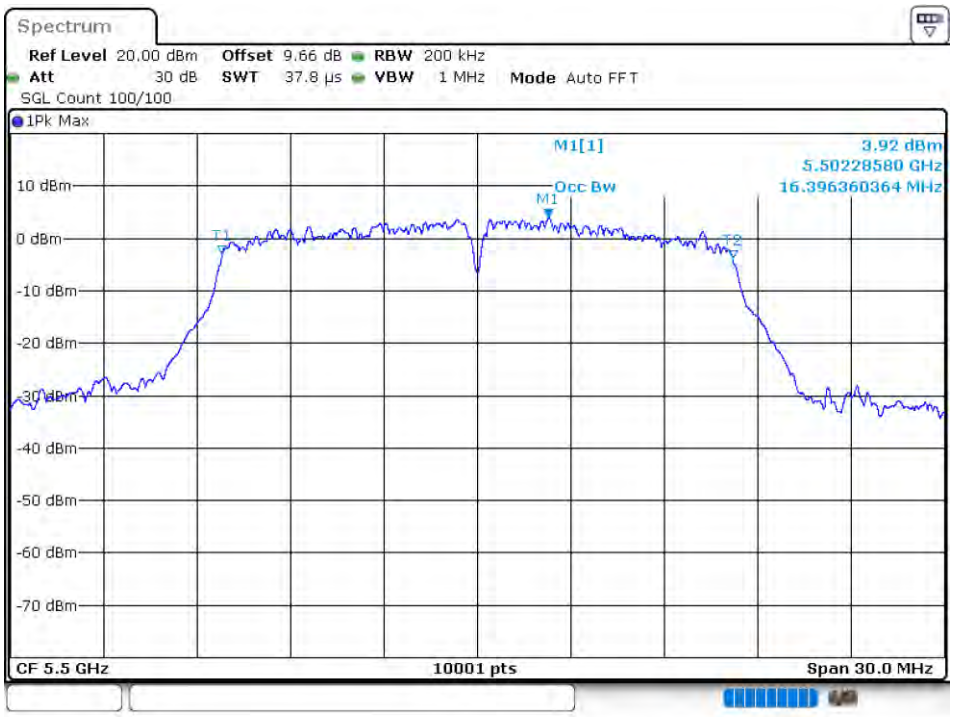


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.603317 GHz	4.62 dBm		
M2		1	5.565948 GHz	-21.10 dBm		
M3		1	5.650416 GHz	-21.37 dBm		

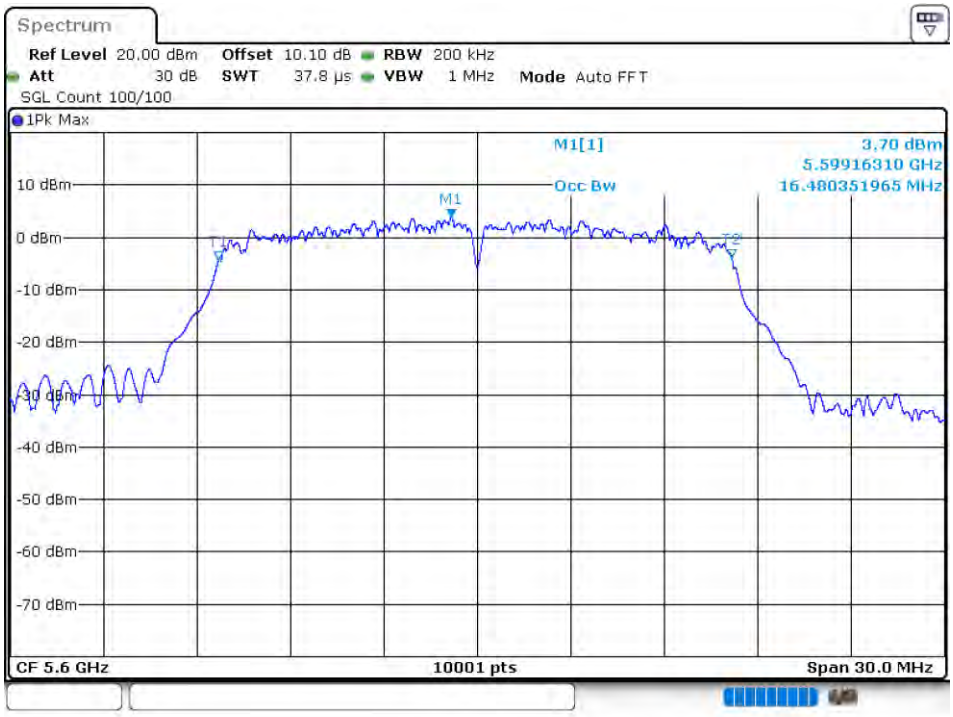
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.396
NVNT	a	5600	Ant1	16.48
NVNT	a	5700	Ant1	16.423
NVNT	n20	5500	Ant1	17.566
NVNT	n20	5600	Ant1	17.581
NVNT	n20	5700	Ant1	17.56
NVNT	n40	5510	Ant1	36.02
NVNT	n40	5590	Ant1	36.02
NVNT	n40	5670	Ant1	36.02
NVNT	ac20	5500	Ant1	17.518
NVNT	ac20	5600	Ant1	17.551
NVNT	ac20	5700	Ant1	17.473
NVNT	ac40	5510	Ant1	36.02
NVNT	ac40	5590	Ant1	35.972
NVNT	ac40	5670	Ant1	36.032
NVNT	ac80	5530	Ant1	75.172
NVNT	ac80	5610	Ant1	75.232

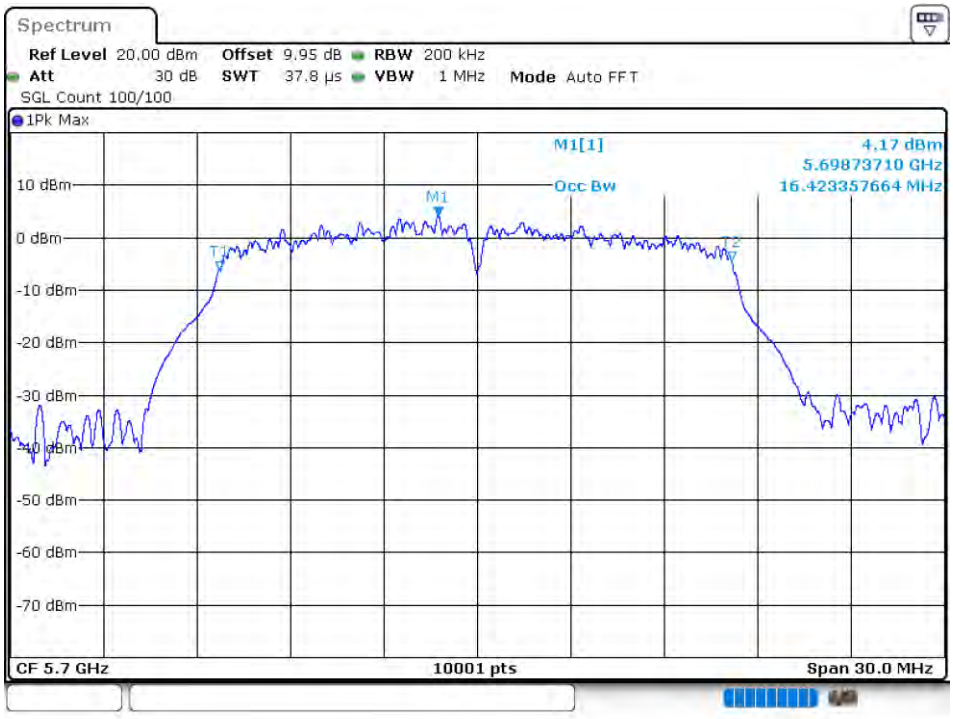
Test Graphs
OBW NVNT a 5500MHz Ant1



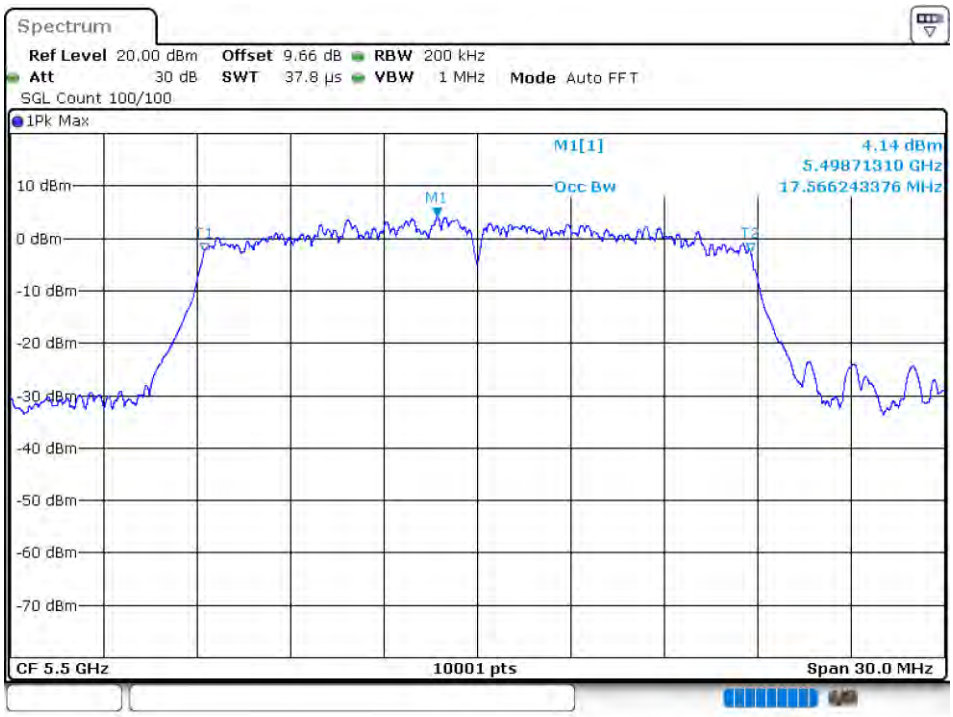
OBW NVNT a 5600MHz Ant1



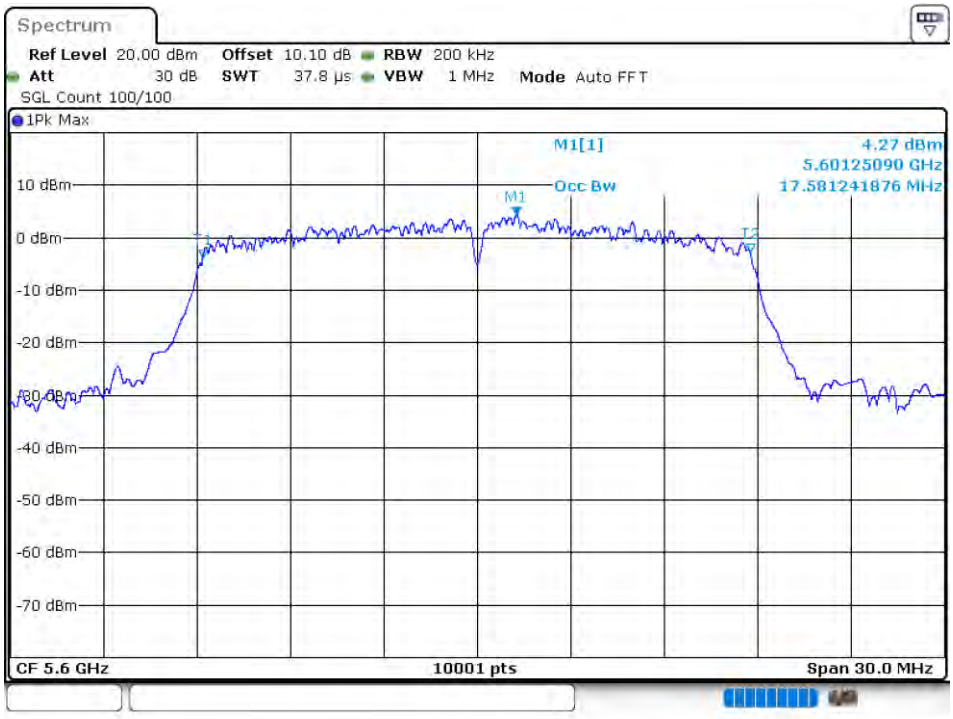
OBW NVNT a 5700MHz Ant1



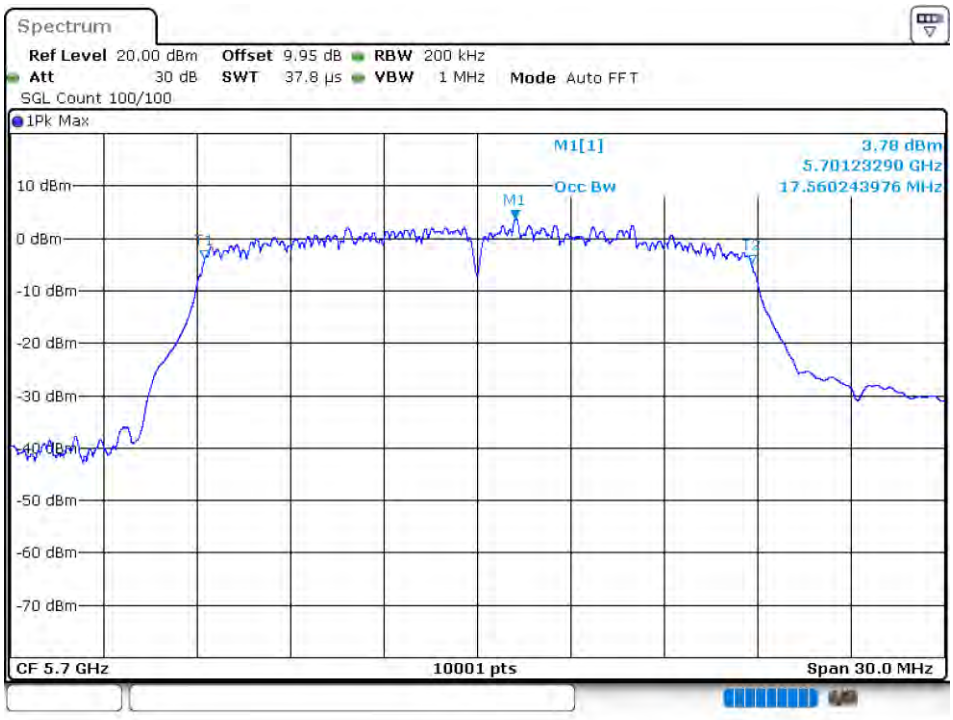
OBW NVNT n20 5500MHz Ant1



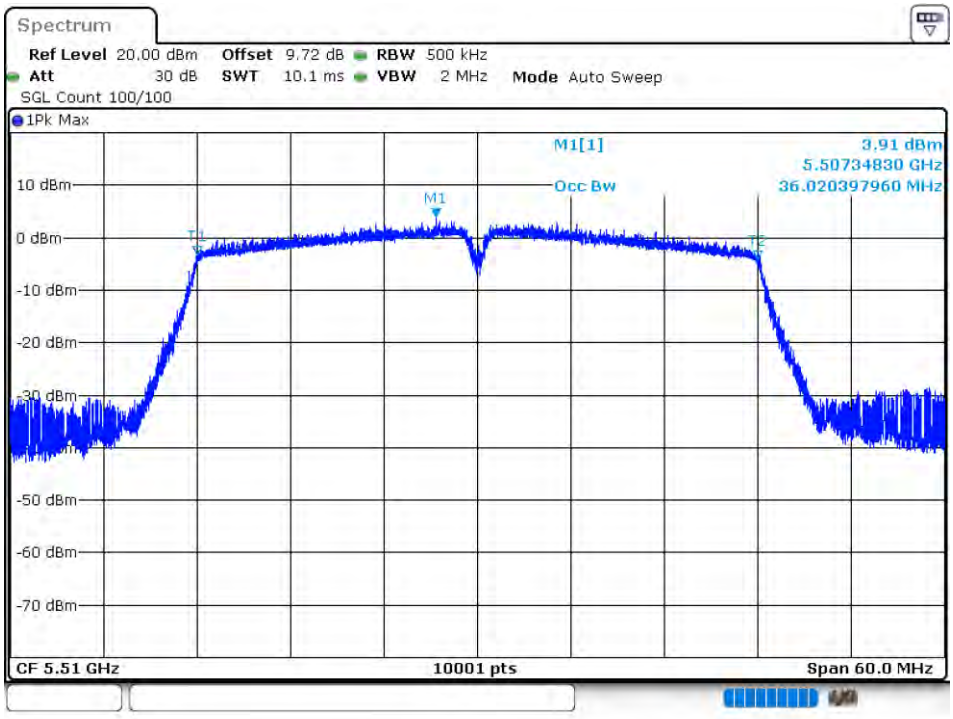
OBW NVNT n20 5600MHz Ant1



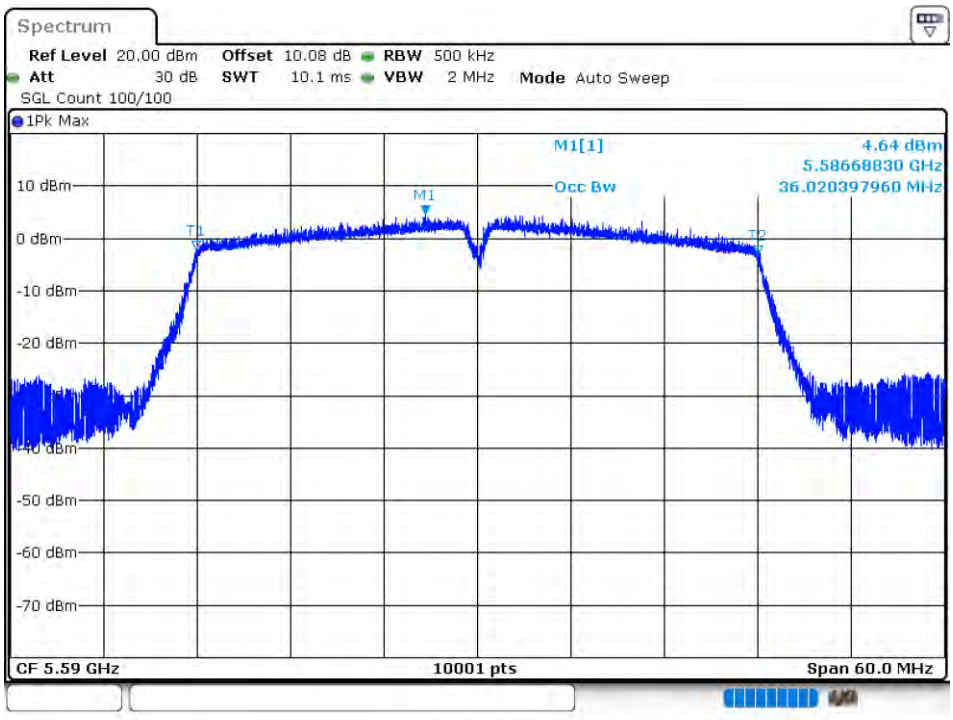
OBW NVNT n20 5700MHz Ant1



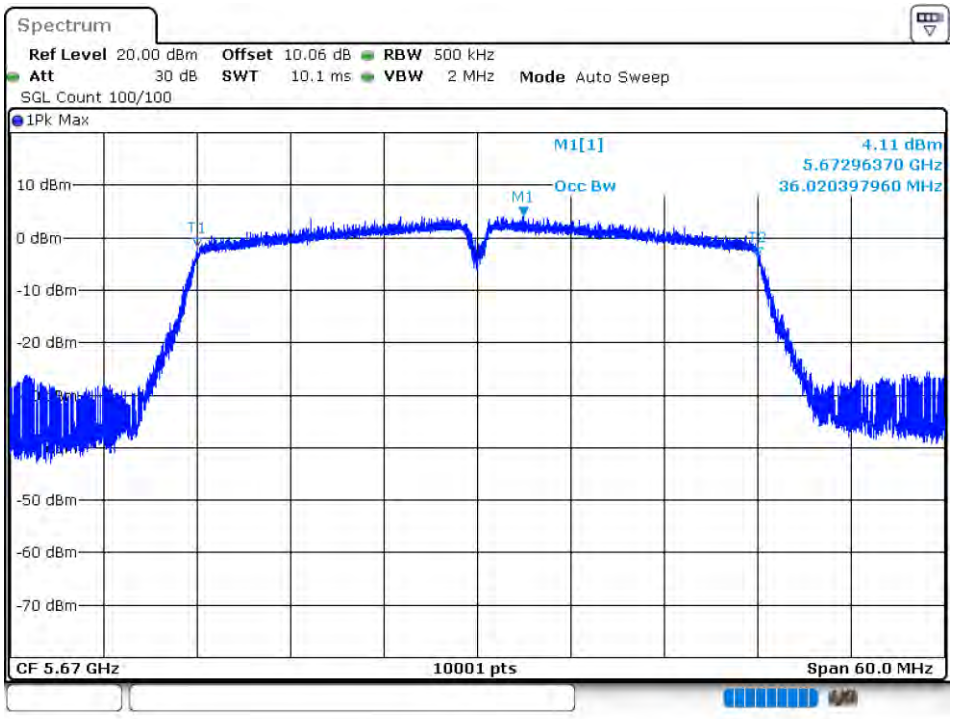
OBW NVNT n40 5510MHz Ant1



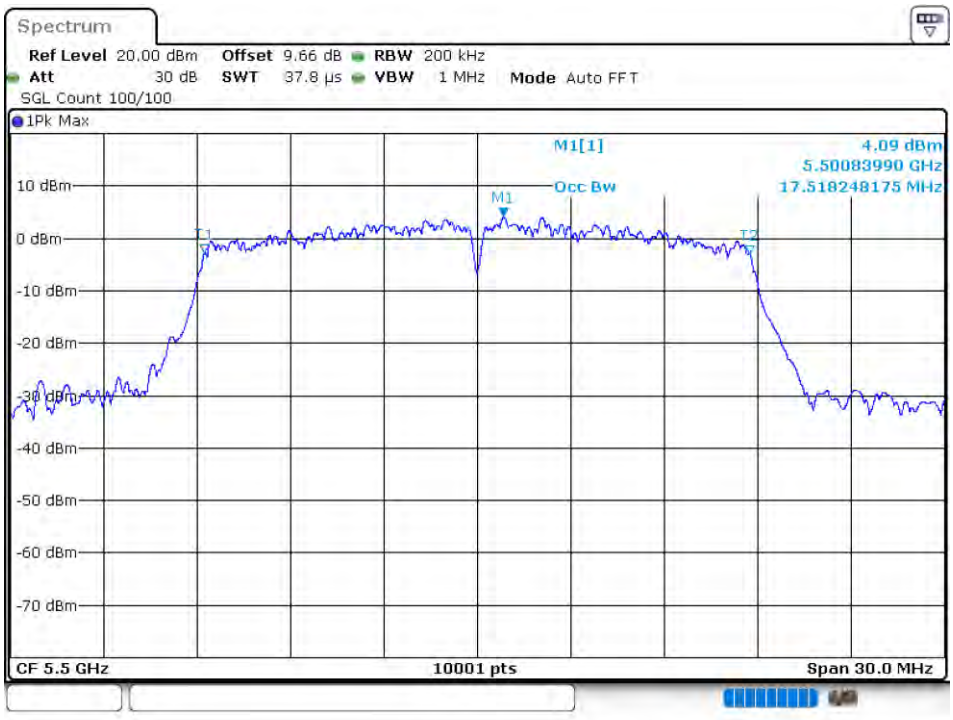
OBW NVNT n40 5590MHz Ant1



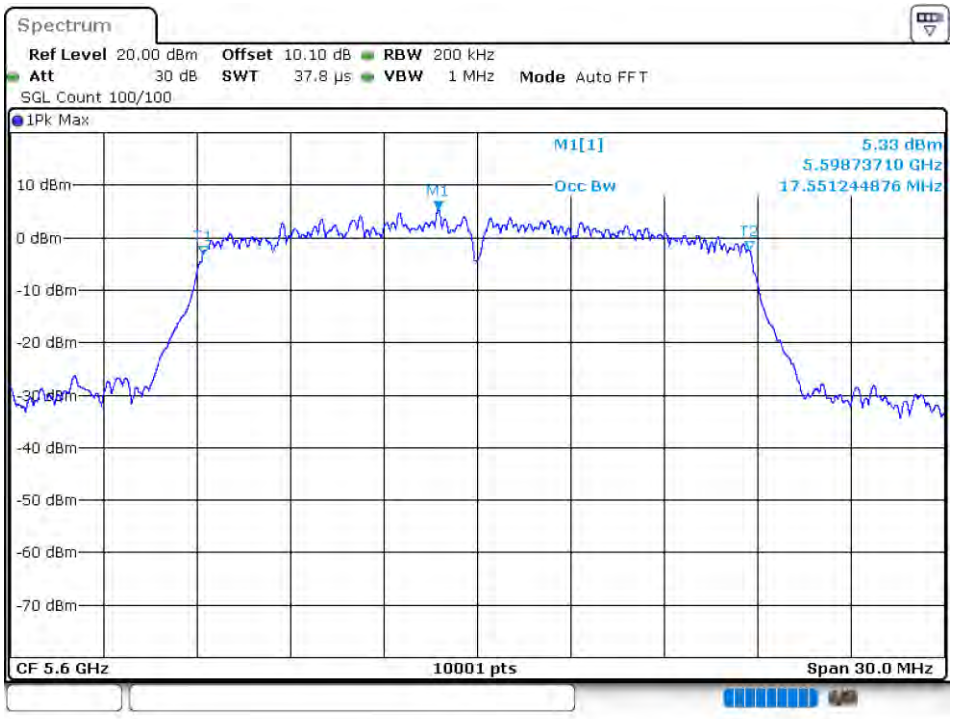
OBW NVNT n40 5670MHz Ant1



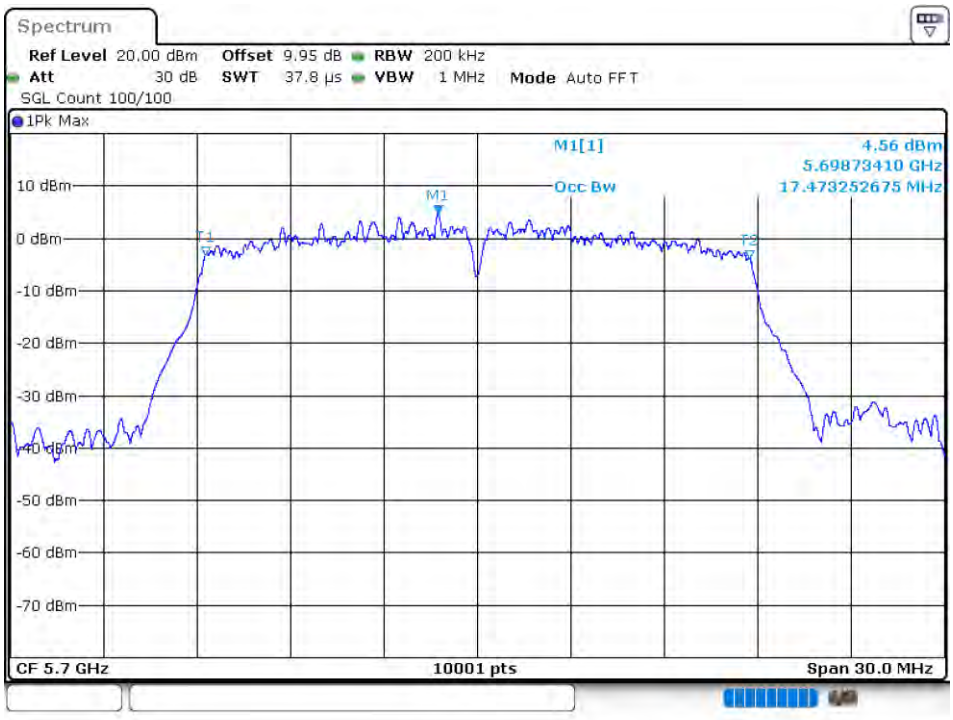
OBW NVNT ac20 5500MHz Ant1



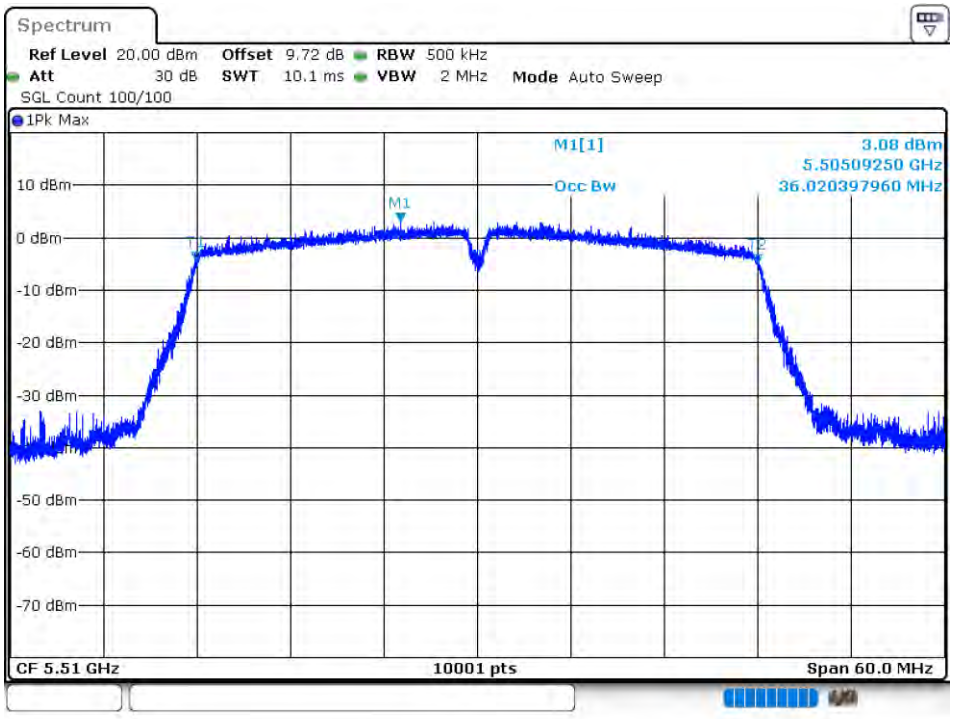
OBW NVNT ac20 5600MHz Ant1



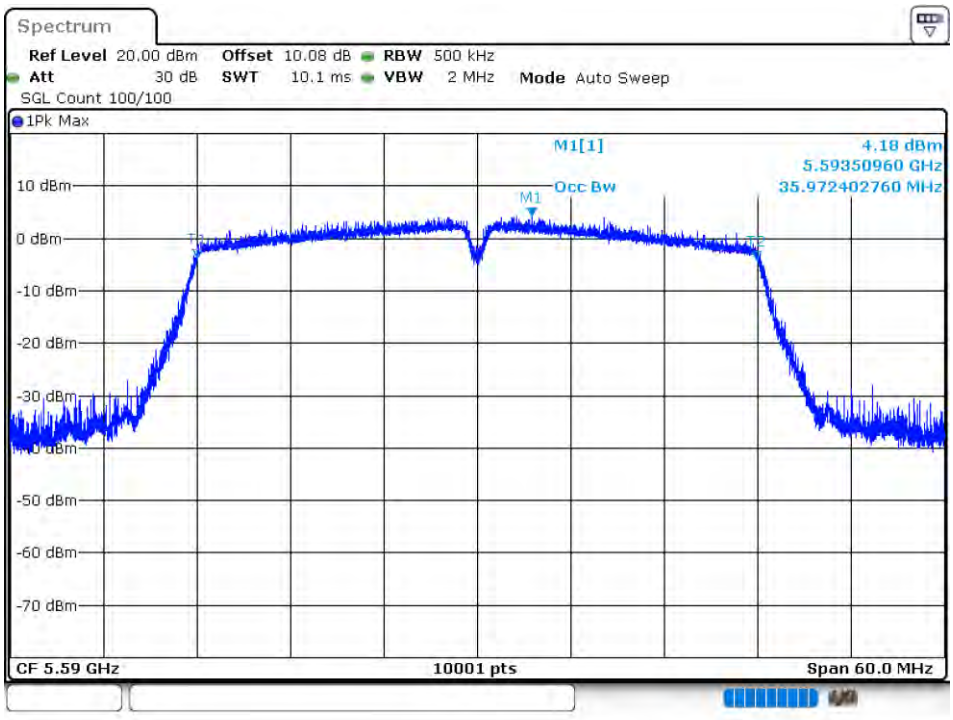
OBW NVNT ac20 5700MHz Ant1



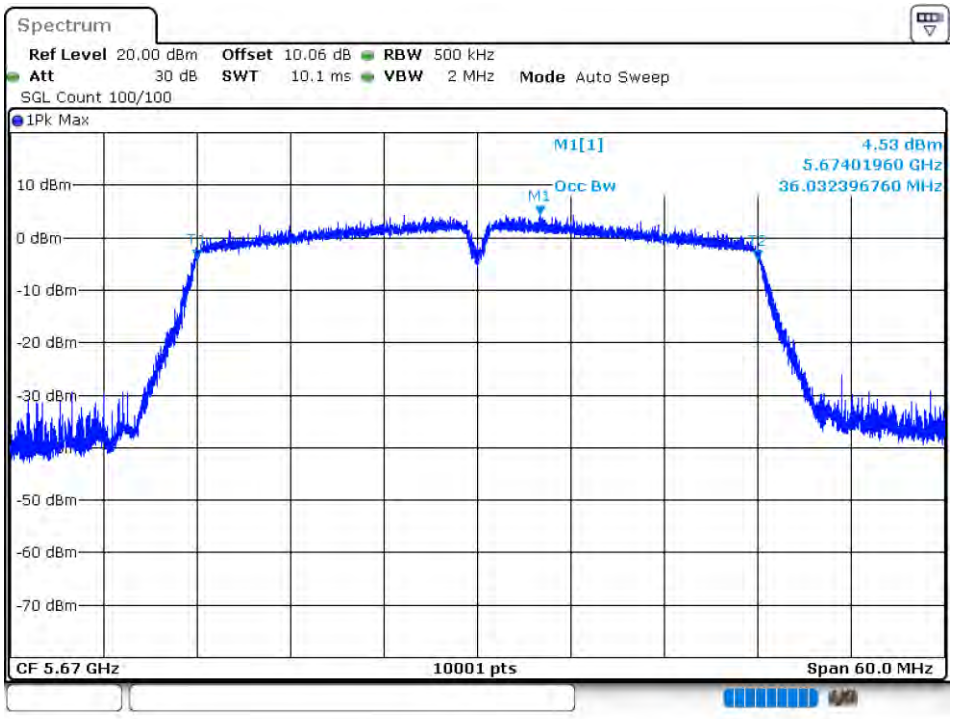
OBW NVNT ac40 5510MHz Ant1



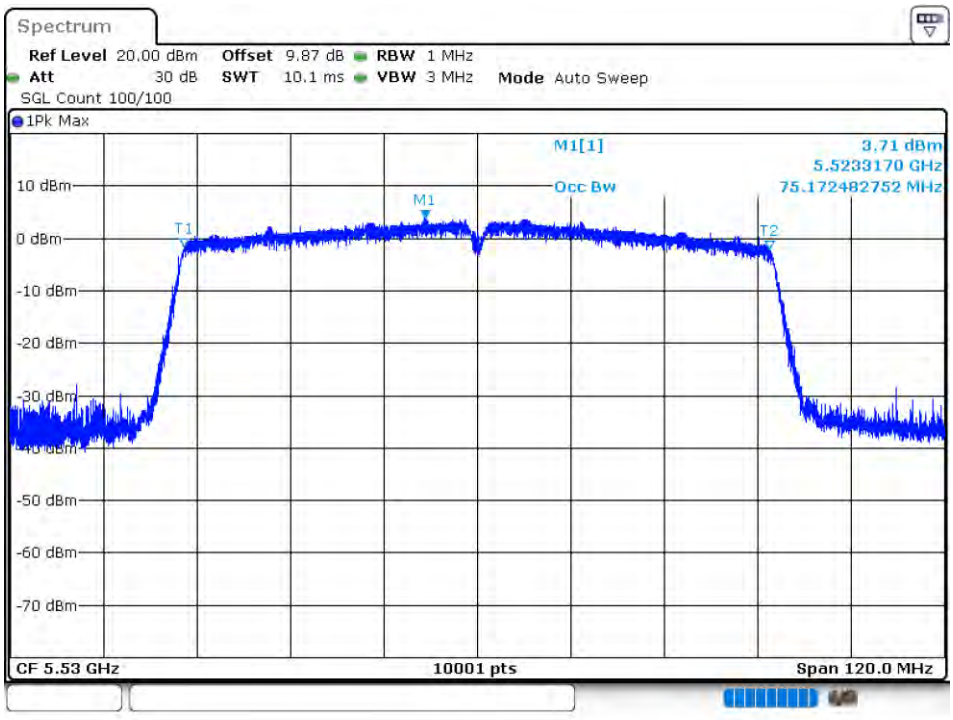
OBW NVNT ac40 5590MHz Ant1



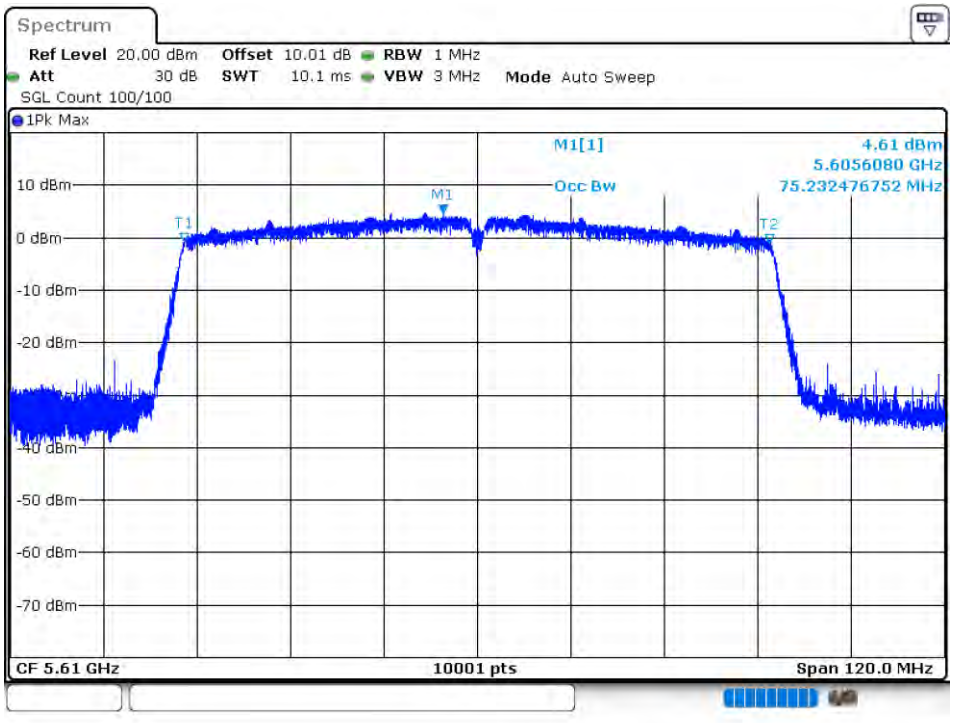
OBW NVNT ac40 5670MHz Ant1



OBW NVNT ac80 5530MHz Ant1



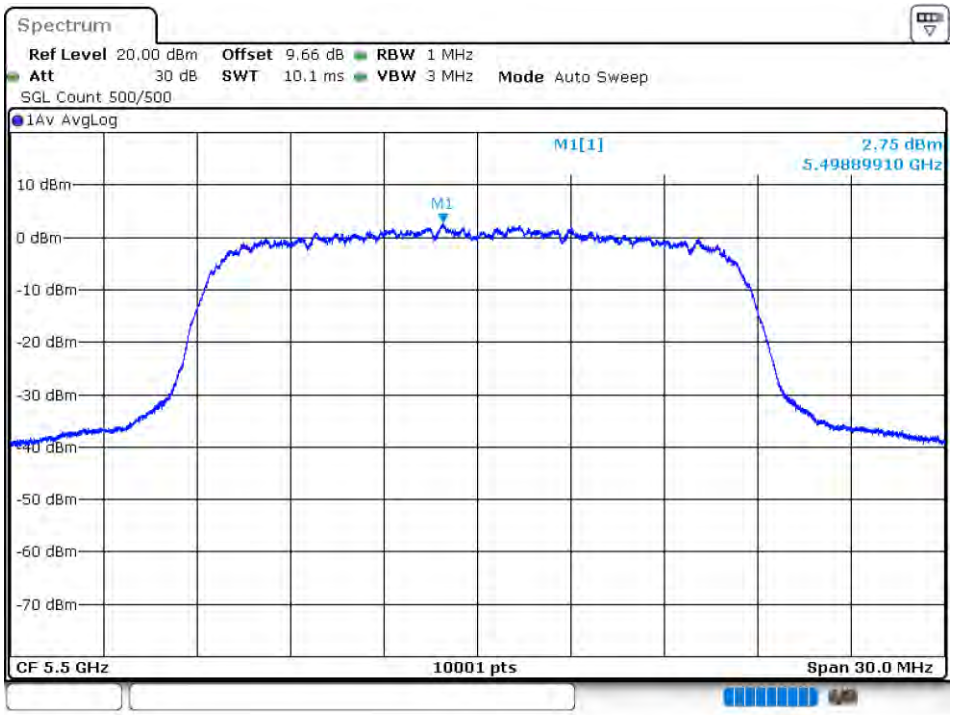
OBW NVNT ac80 5610MHz Ant1



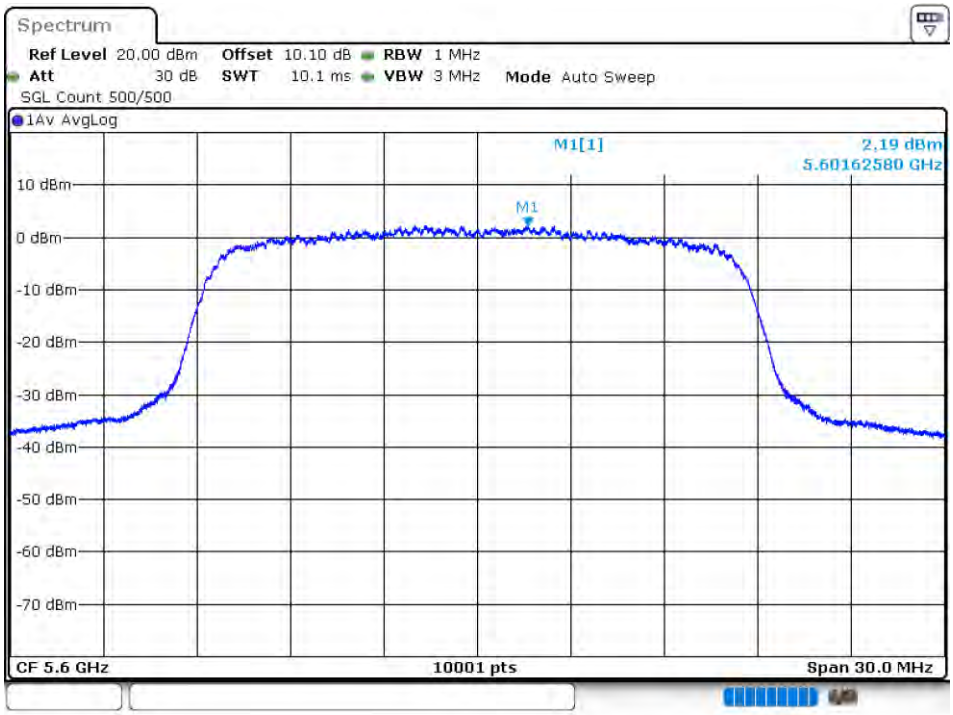
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	2.75	0.11	2.86	11	Pass
NVNT	a	5600	Ant1	2.19	0.11	2.3	11	Pass
NVNT	a	5700	Ant1	1.26	0.1	1.36	11	Pass
NVNT	n20	5500	Ant1	1.78	0.11	1.89	11	Pass
NVNT	n20	5600	Ant1	1.87	0.11	1.98	11	Pass
NVNT	n20	5700	Ant1	0.81	0.11	0.92	11	Pass
NVNT	n40	5510	Ant1	-5.49	0.22	-5.27	11	Pass
NVNT	n40	5590	Ant1	-4.29	0.22	-4.07	11	Pass
NVNT	n40	5670	Ant1	-4.32	0.22	-4.1	11	Pass
NVNT	ac20	5500	Ant1	1.82	0.11	1.93	11	Pass
NVNT	ac20	5600	Ant1	2.11	0.11	2.22	11	Pass
NVNT	ac20	5700	Ant1	1.04	0.11	1.15	11	Pass
NVNT	ac40	5510	Ant1	-5.14	0.22	-4.92	11	Pass
NVNT	ac40	5590	Ant1	-4.31	0.22	-4.09	11	Pass
NVNT	ac40	5670	Ant1	-4.19	0.22	-3.97	11	Pass
NVNT	ac80	5530	Ant1	-10.56	0.42	-10.14	11	Pass
NVNT	ac80	5610	Ant1	-9.79	0.43	-9.36	11	Pass

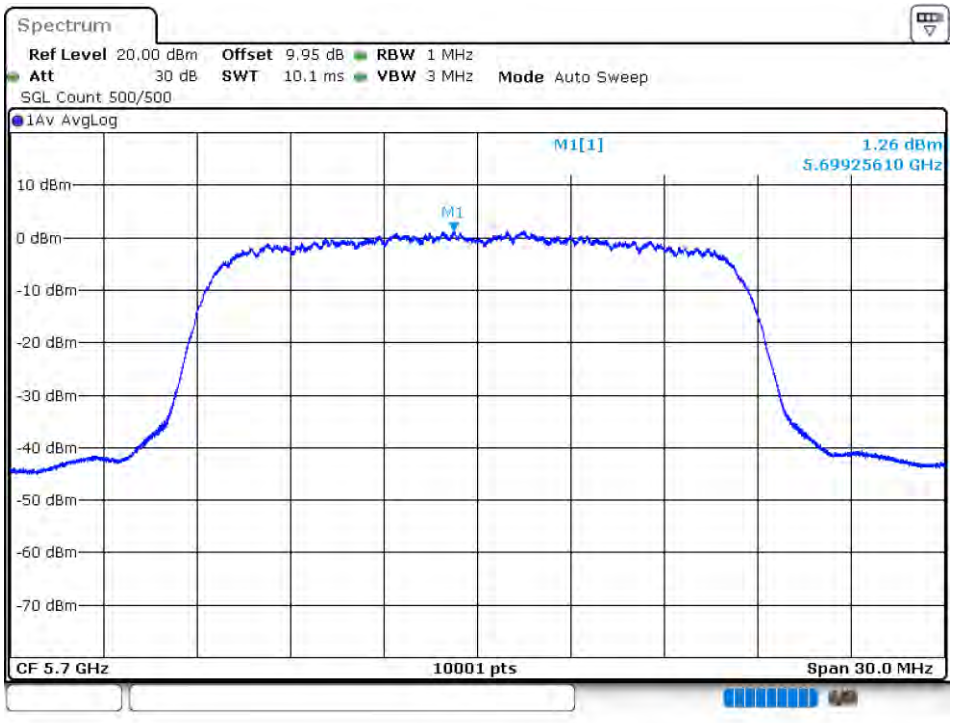
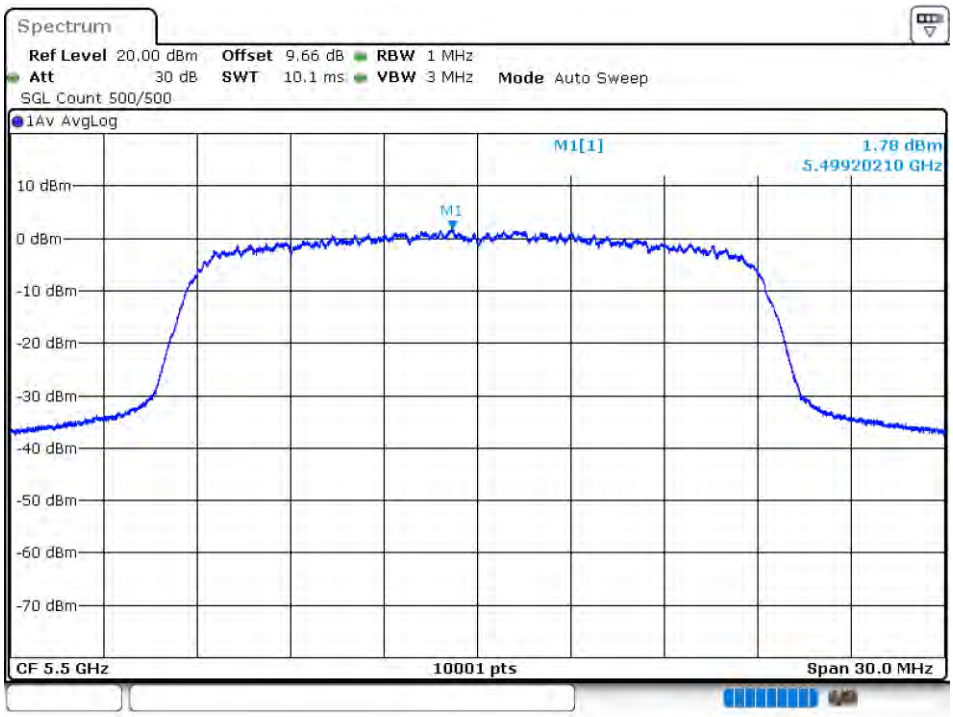
Test Graphs
PSD NVNT a 5500MHz Ant1



PSD NVNT a 5600MHz Ant1



PSD NVNT a 5700MHz Ant1



PSD NVNT n20 5500MHz Ant1