

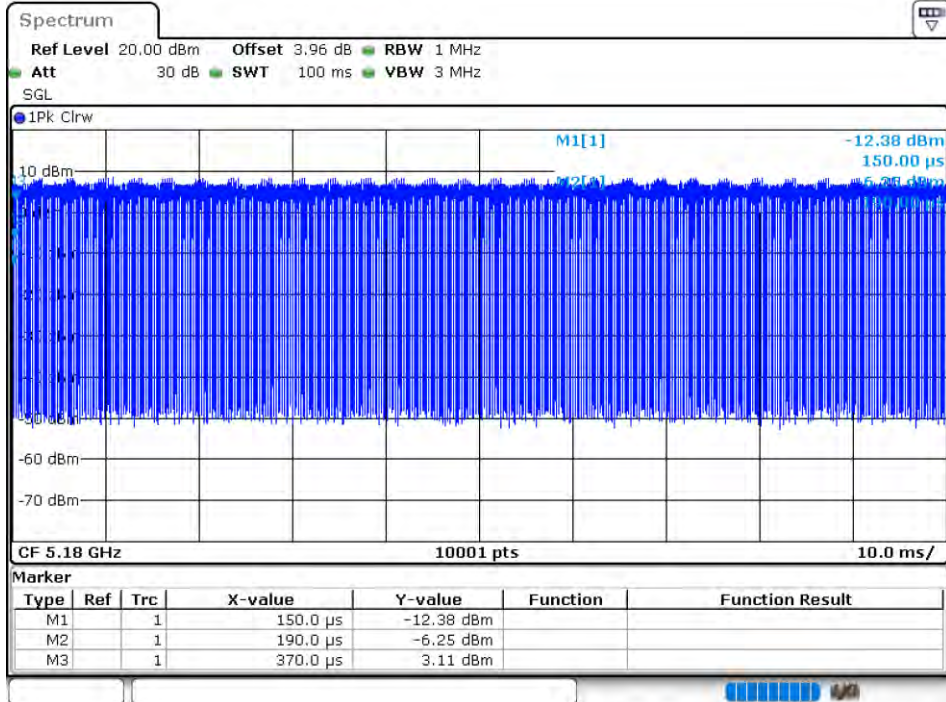
5.2G WIFI SISO

Duty Cycle

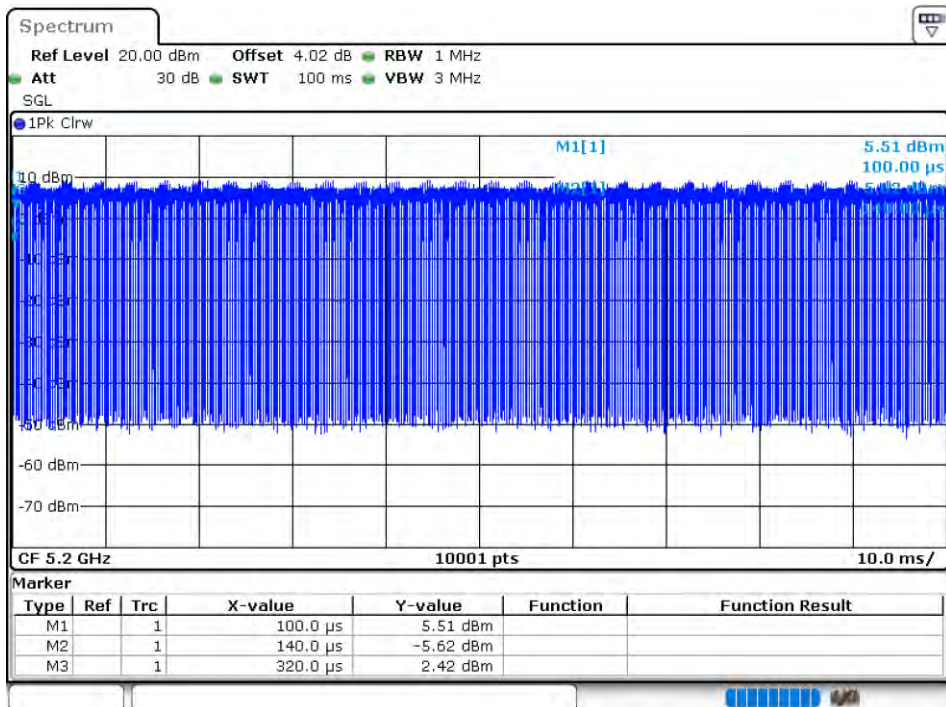
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	84.59	0.73	5.56
NVNT	a	5200	Ant1	84.56	0.73	5.56
NVNT	a	5240	Ant1	84.56	0.73	5.56
NVNT	a	5180	Ant2	84.57	0.73	5.88
NVNT	a	5200	Ant2	84.65	0.72	5.56
NVNT	a	5240	Ant2	84.65	0.72	5.56
NVNT	n20	5180	Ant1	83.68	0.77	5.88
NVNT	n20	5200	Ant1	83.68	0.77	5.88
NVNT	n20	5240	Ant1	83.67	0.77	5.88
NVNT	n20	5180	Ant2	83.71	0.77	6.25
NVNT	n20	5200	Ant2	83.72	0.77	6.25
NVNT	n20	5240	Ant2	83.72	0.77	6.25
NVNT	n40	5190	Ant1	76.41	1.17	10
NVNT	n40	5230	Ant1	77.59	1.1	10
NVNT	n40	5190	Ant2	71.37	1.46	10
NVNT	n40	5230	Ant2	71.8	1.44	11.11
NVNT	ac20	5180	Ant1	83.99	0.76	6.25
NVNT	ac20	5200	Ant1	83.97	0.76	5.88
NVNT	ac20	5240	Ant1	83.98	0.76	5.88
NVNT	ac20	5180	Ant2	84.01	0.76	5.88
NVNT	ac20	5200	Ant2	84.02	0.76	5.88
NVNT	ac20	5240	Ant2	84.04	0.76	5.88
NVNT	ac40	5190	Ant1	78.22	1.07	9.09
NVNT	ac40	5230	Ant1	77.02	1.13	9.09
NVNT	ac40	5190	Ant2	72.17	1.42	10
NVNT	ac40	5230	Ant2	71.65	1.45	11.11
NVNT	ac80	5210	Ant1	71.41	1.46	14.29
NVNT	ac80	5210	Ant2	64.45	1.91	16.67

Test Graphs

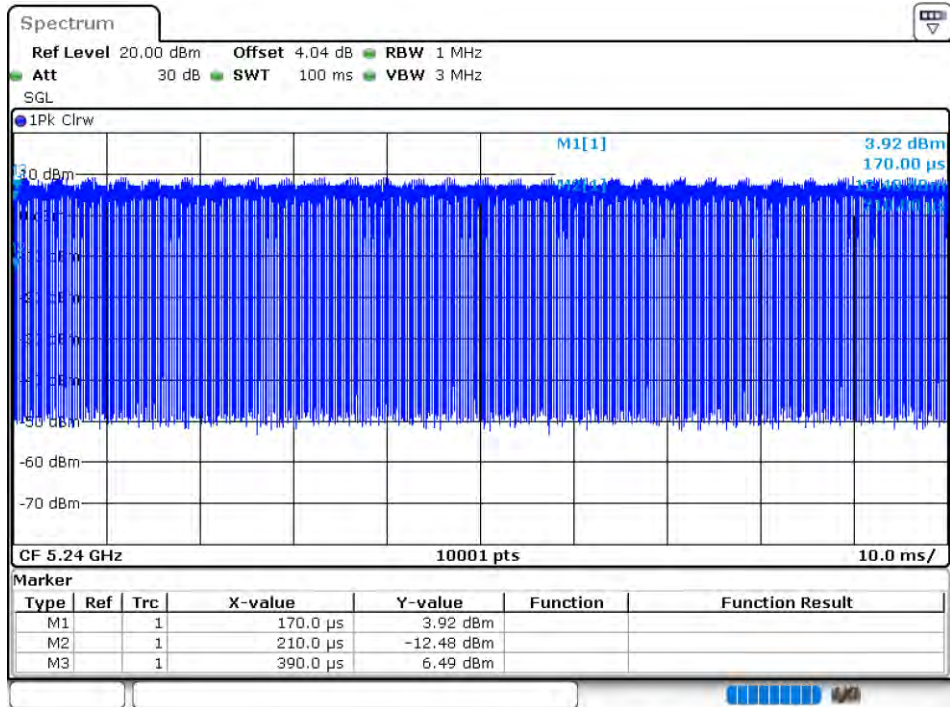
Duty Cycle NVNT a 5180MHz Ant1



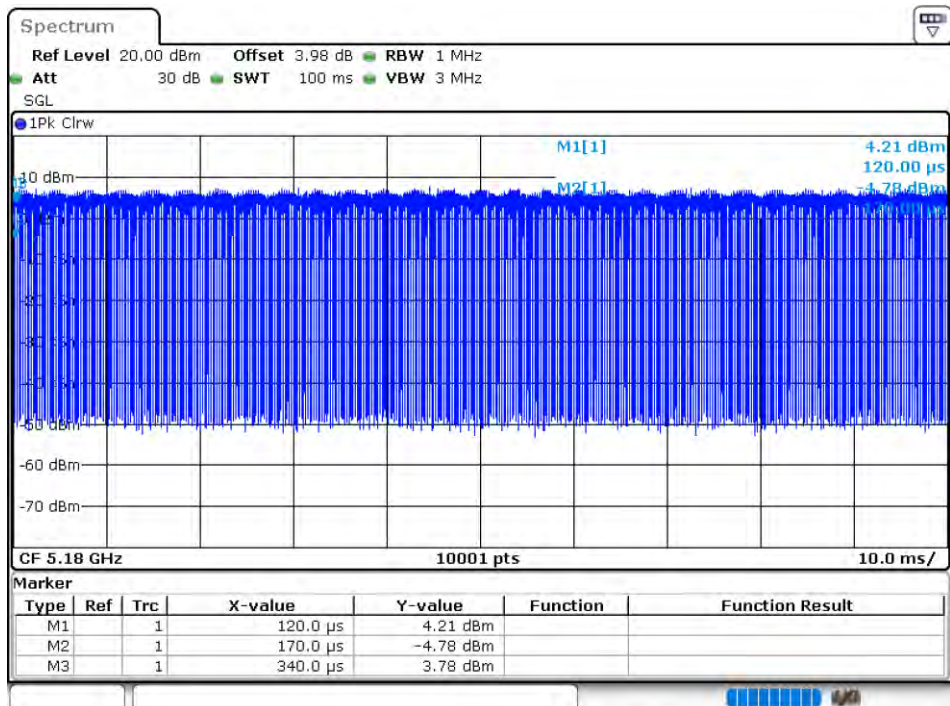
Duty Cycle NVNT a 5200MHz Ant1



Duty Cycle NVNT a 5240MHz Ant1



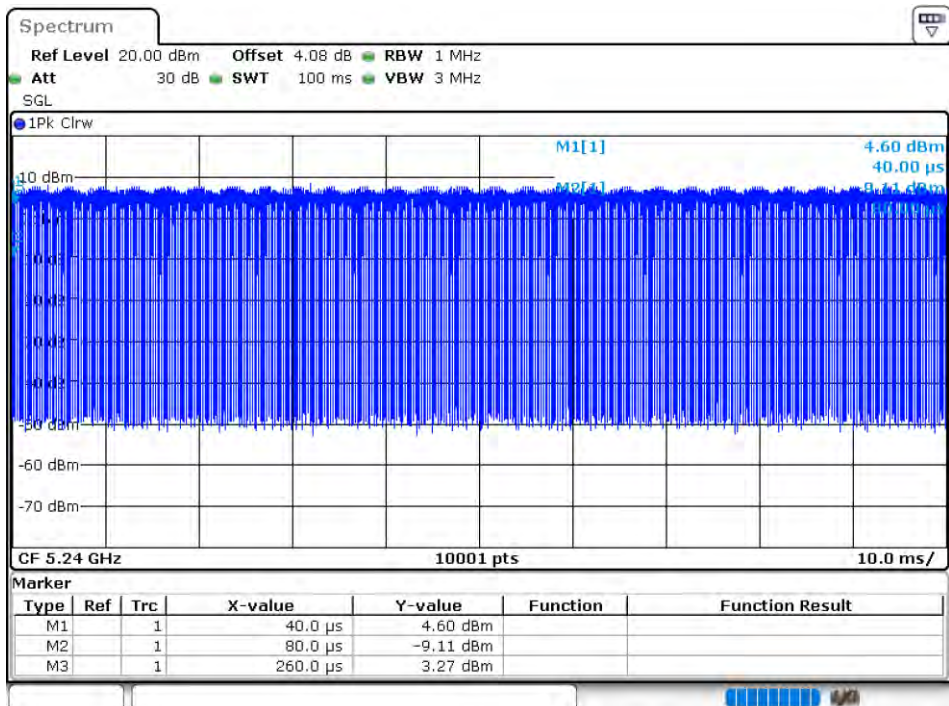
Duty Cycle NVNT a 5180MHz Ant2

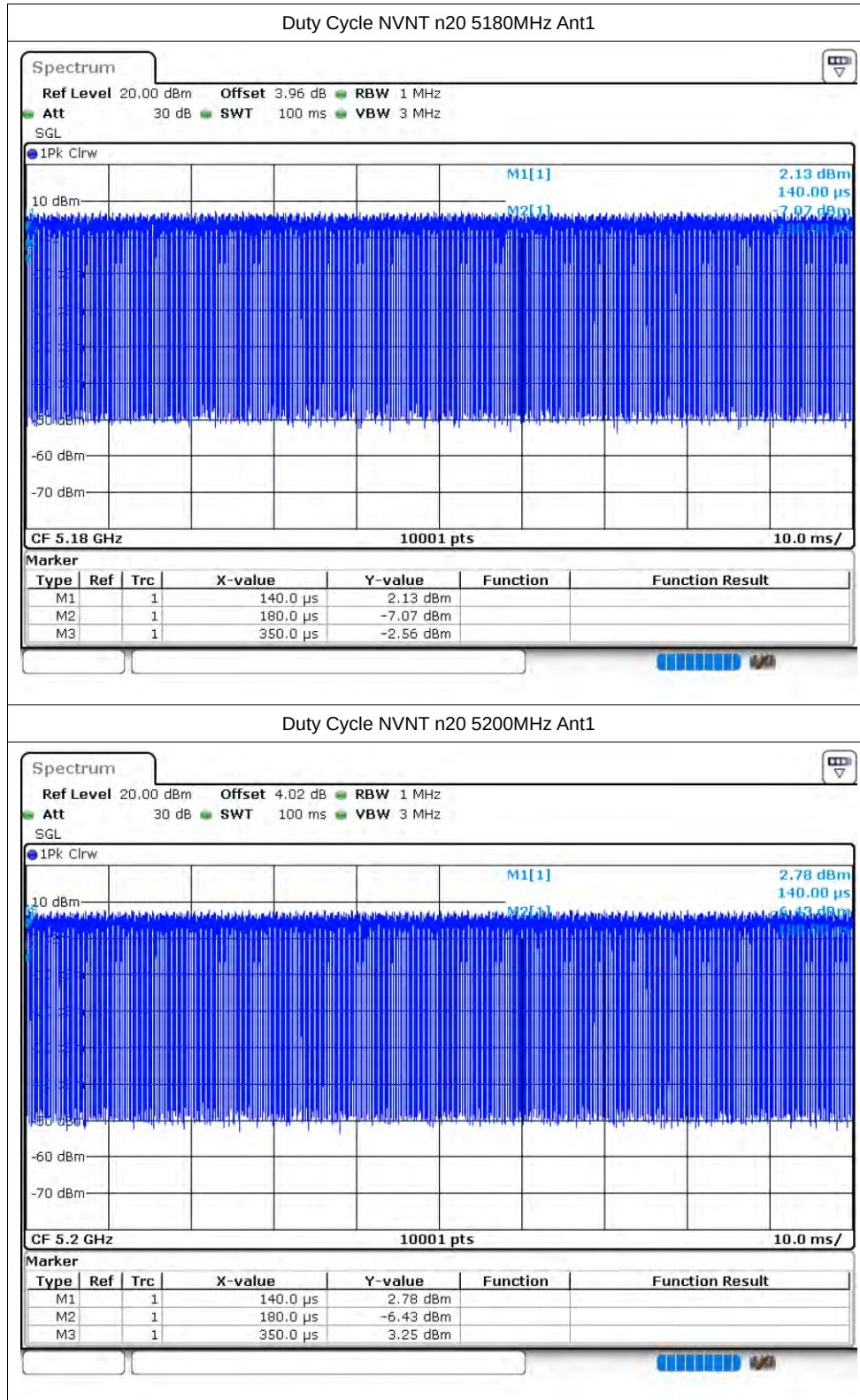


Duty Cycle NVNT a 5200MHz Ant2

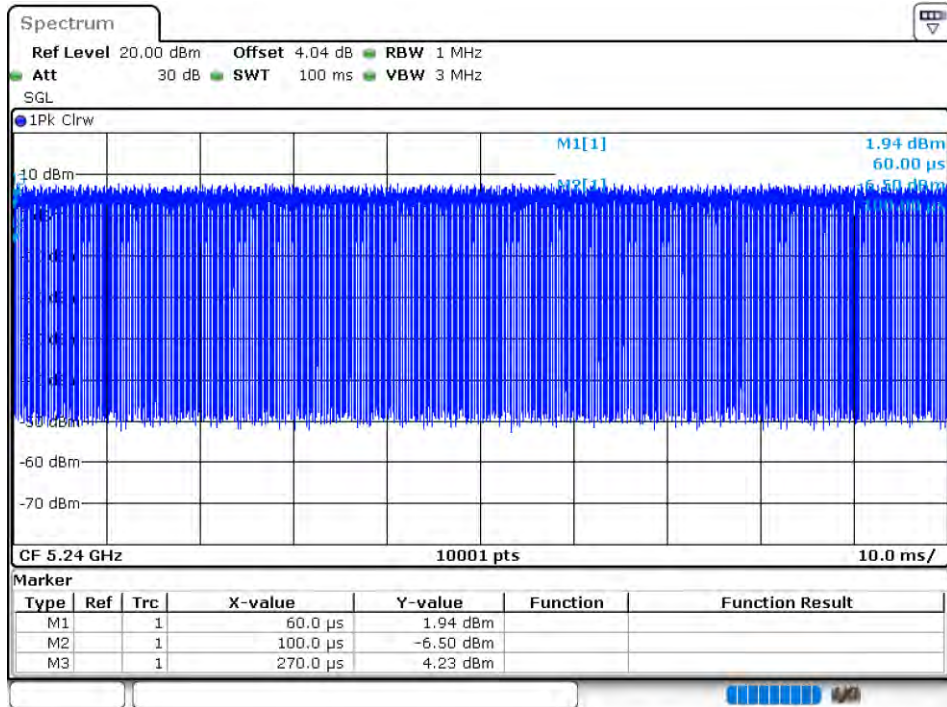


Duty Cycle NVNT a 5240MHz Ant2

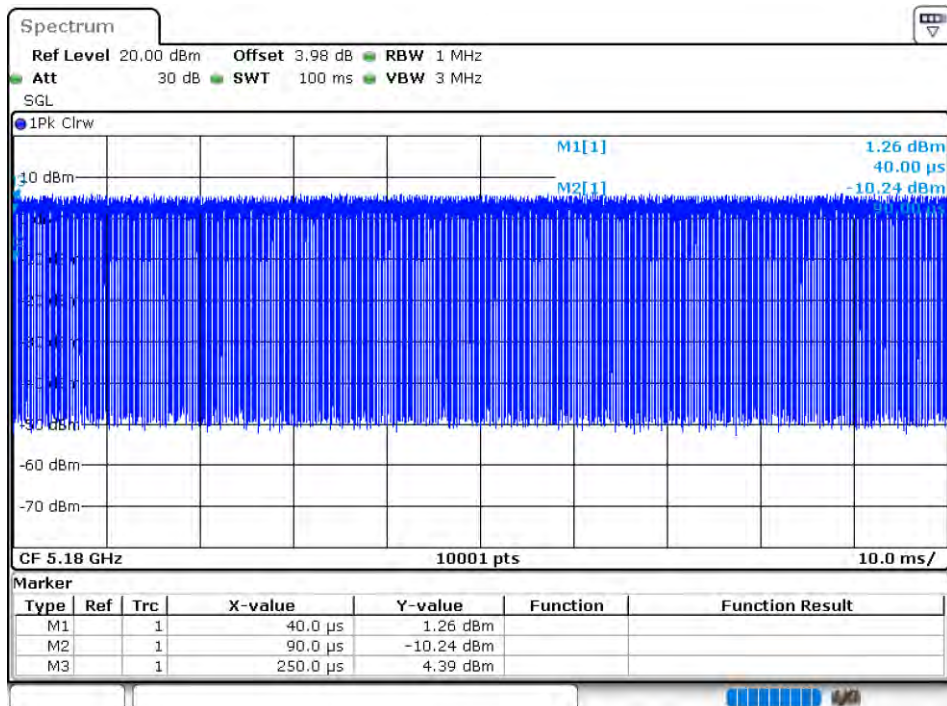


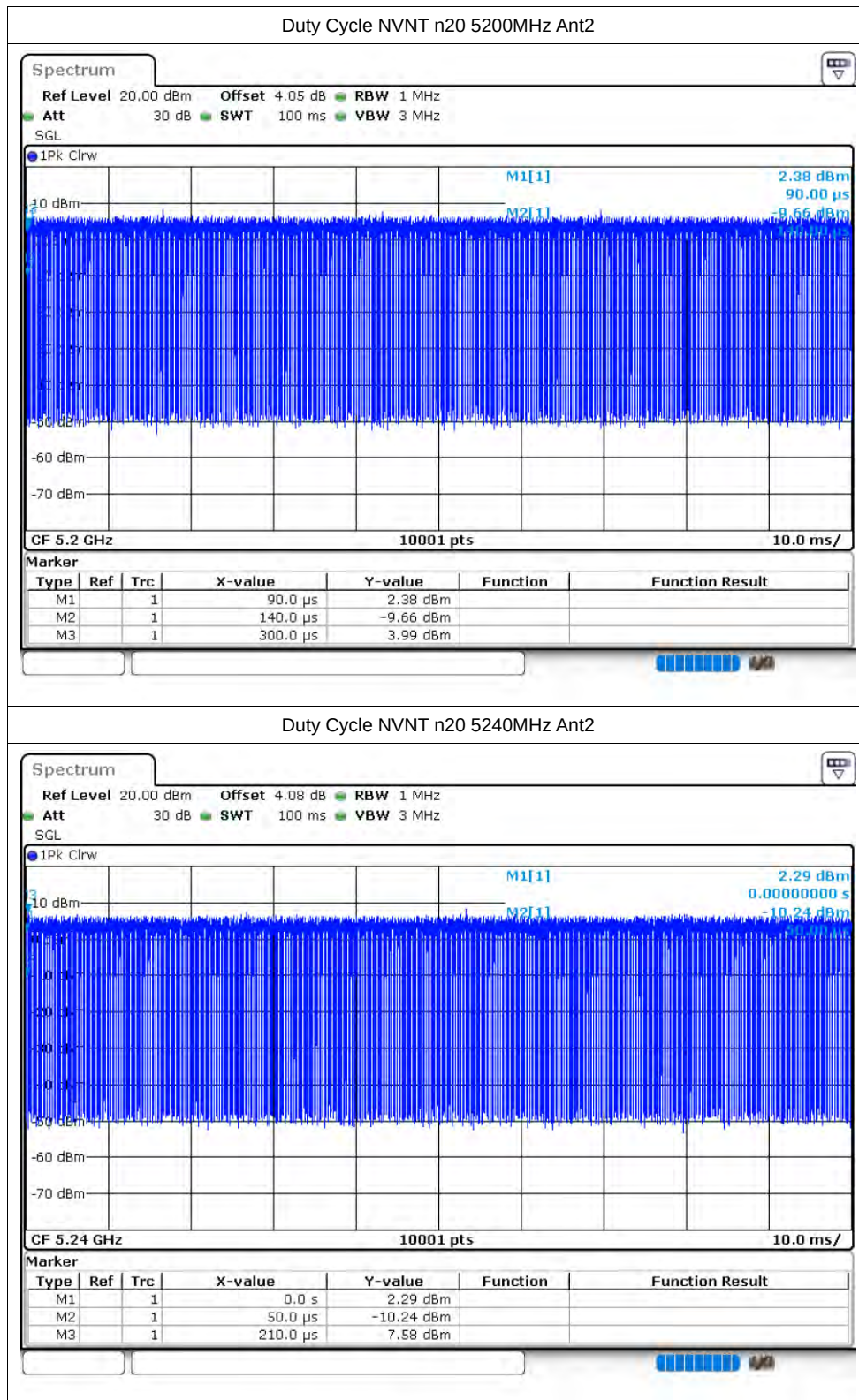


Duty Cycle NVNT n20 5240MHz Ant1

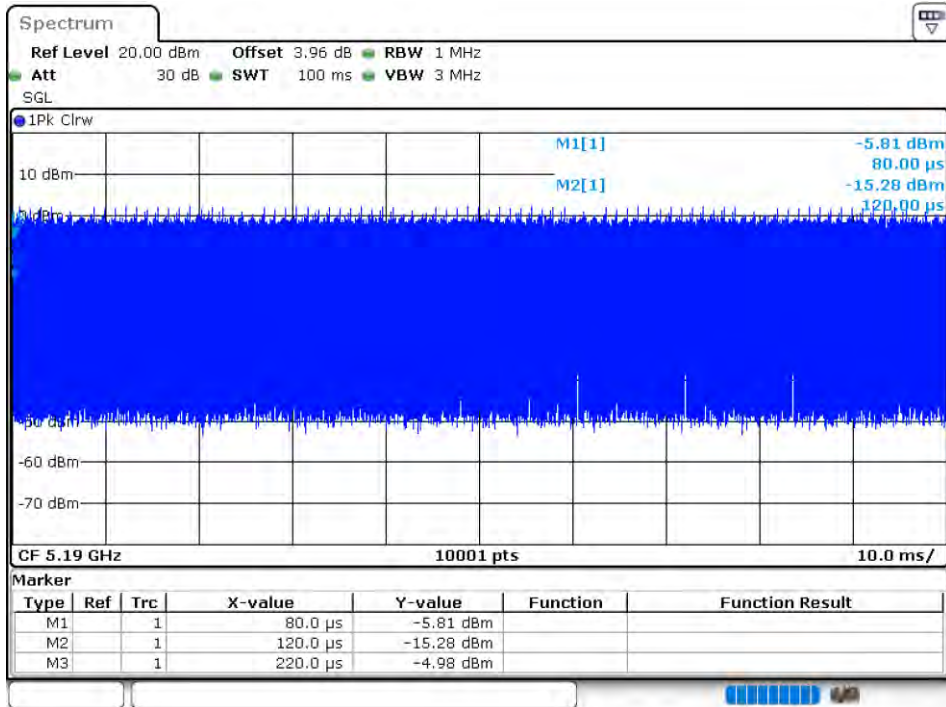


Duty Cycle NVNT n20 5180MHz Ant2

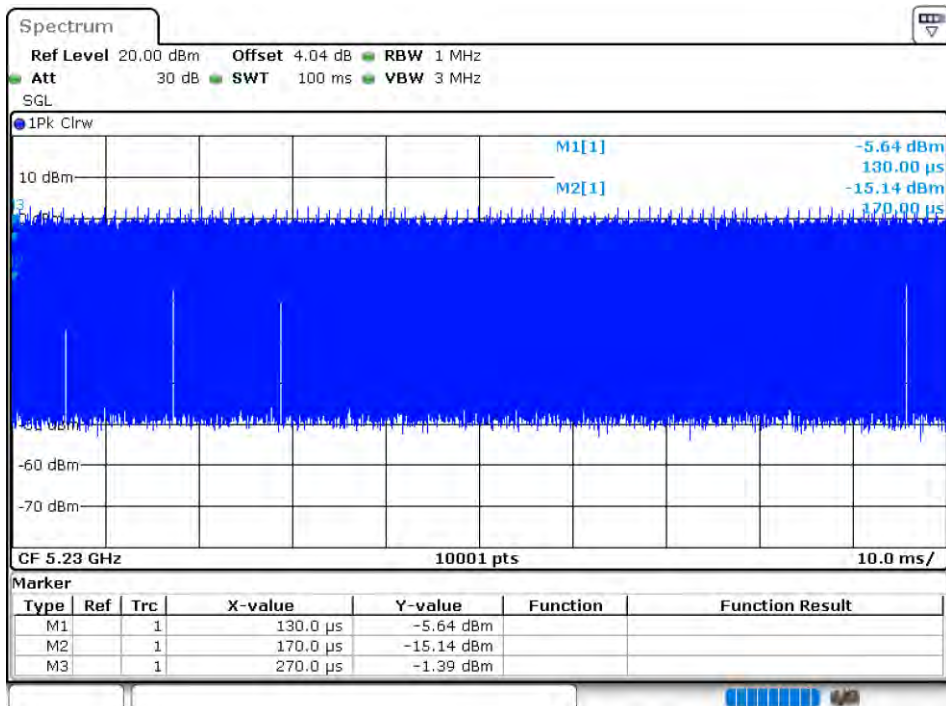


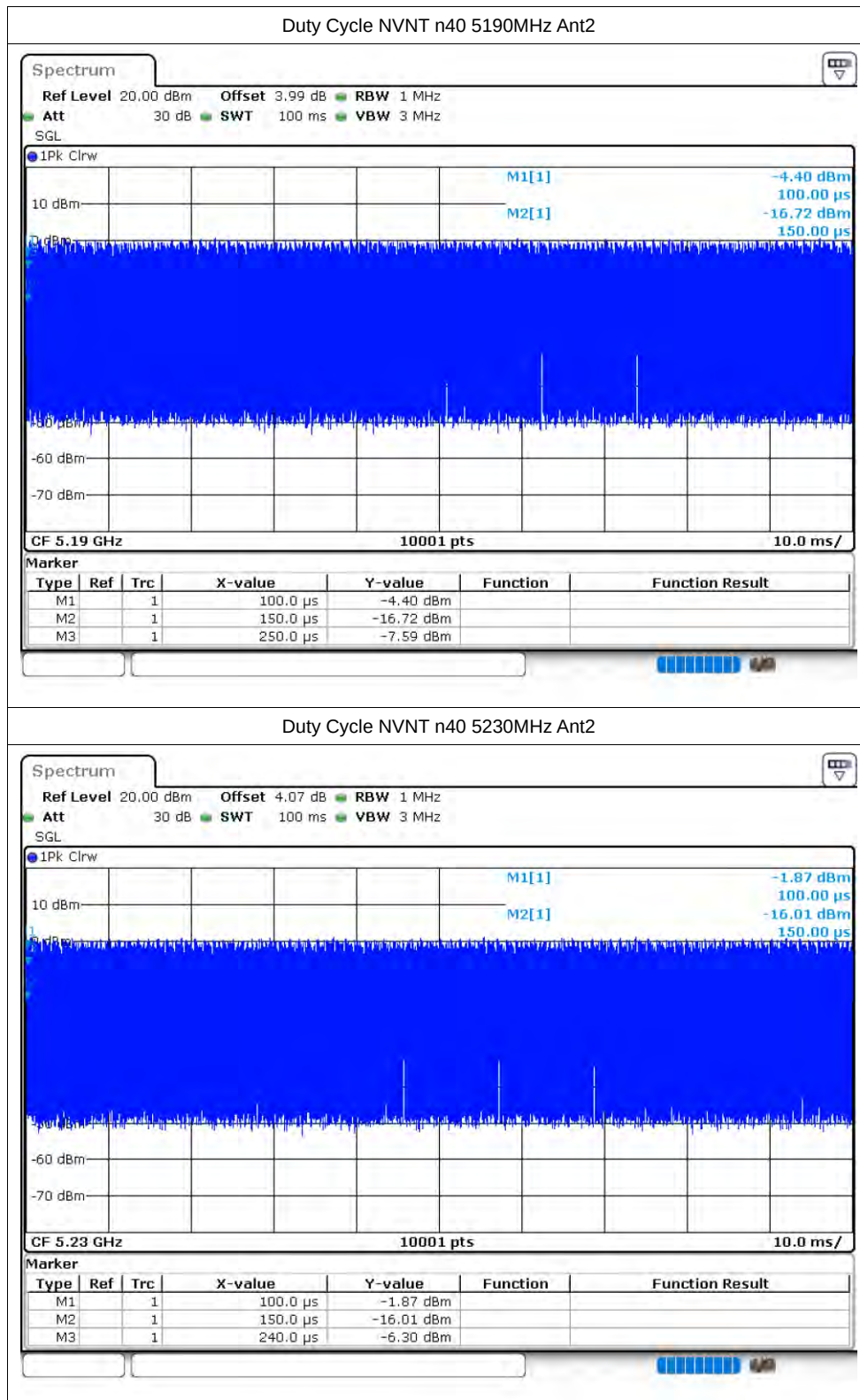


Duty Cycle NVNT n40 5190MHz Ant1

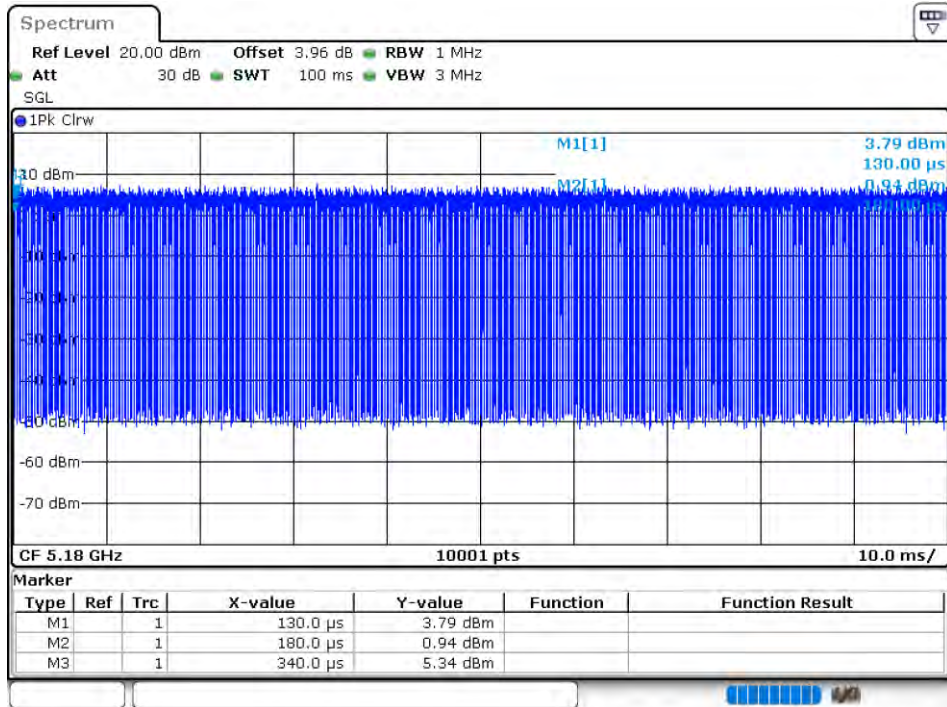


Duty Cycle NVNT n40 5230MHz Ant1

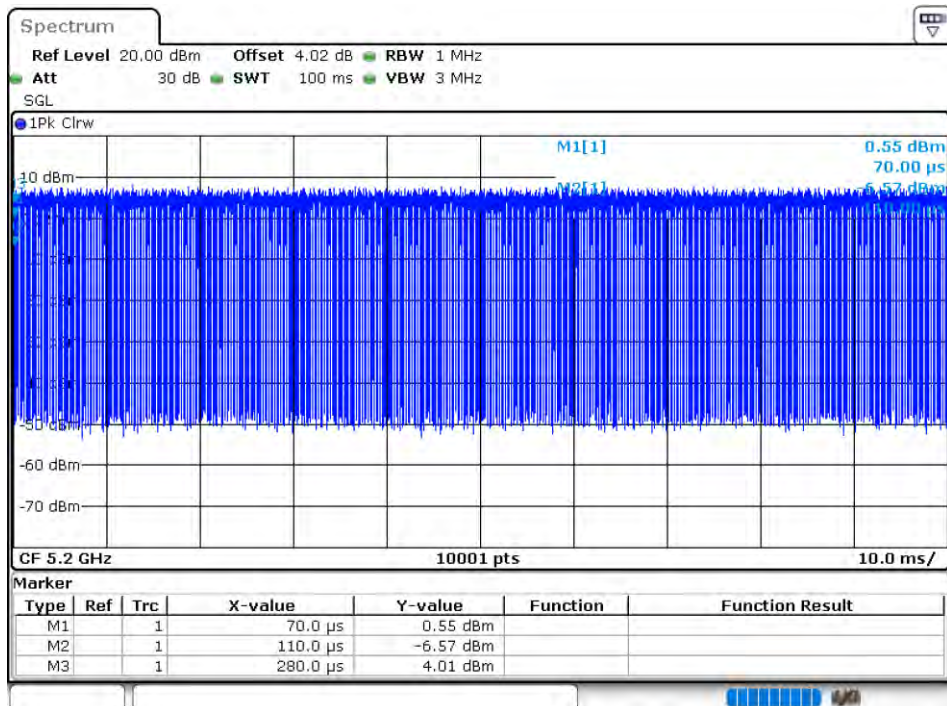




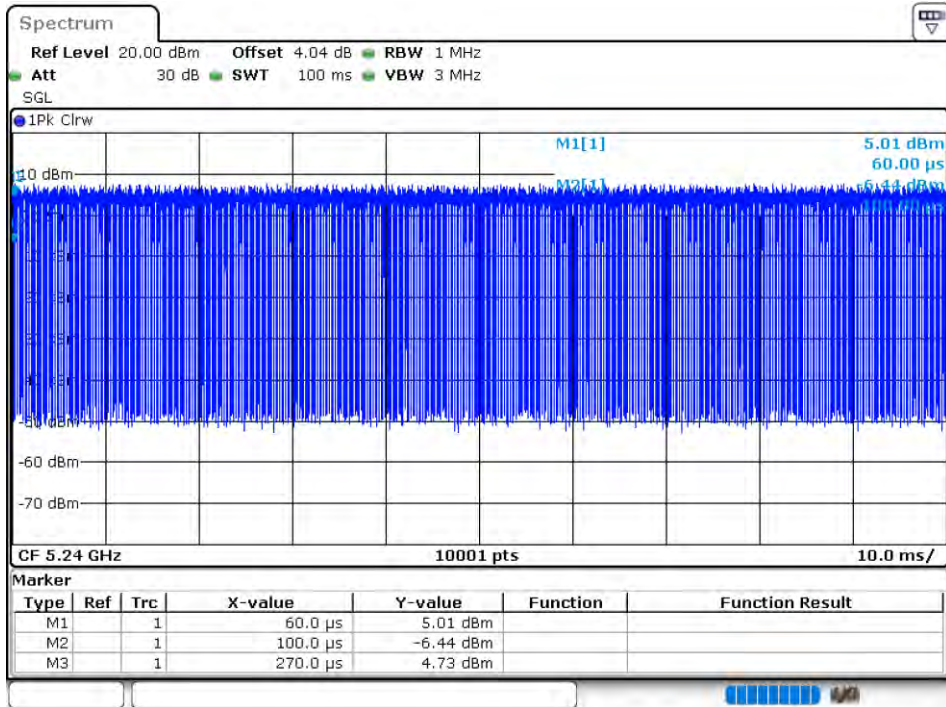
Duty Cycle NVNT ac20 5180MHz Ant1



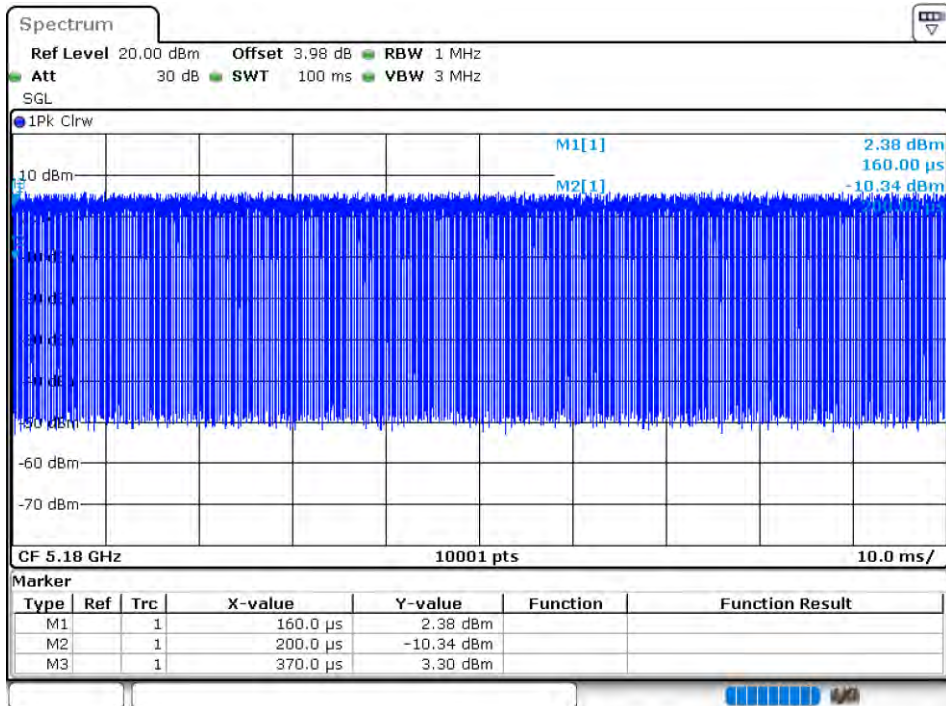
Duty Cycle NVNT ac20 5200MHz Ant1



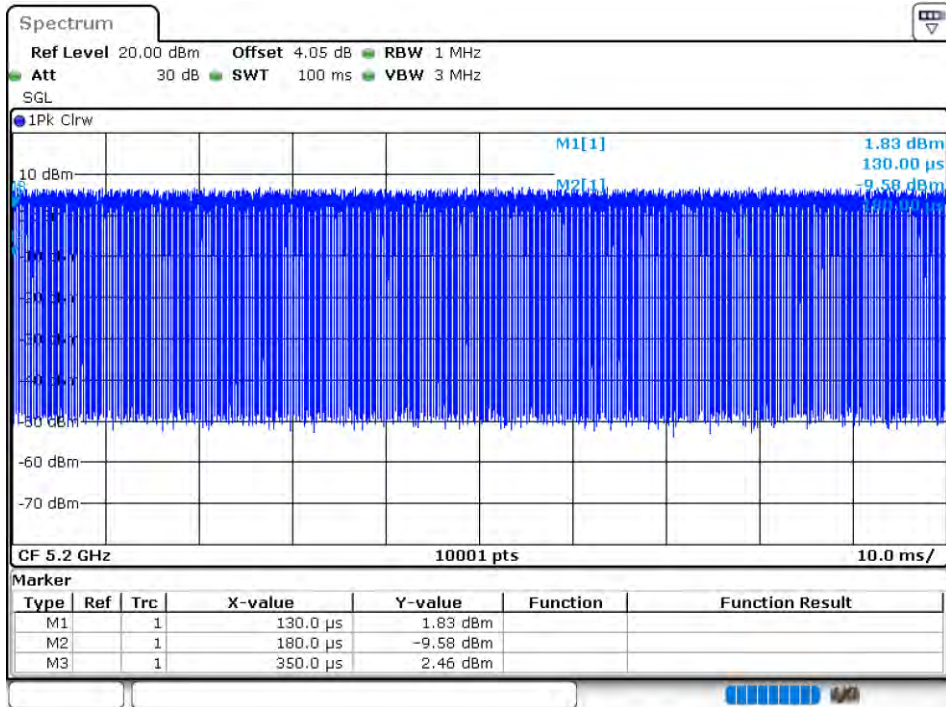
Duty Cycle NVNT ac20 5240MHz Ant1



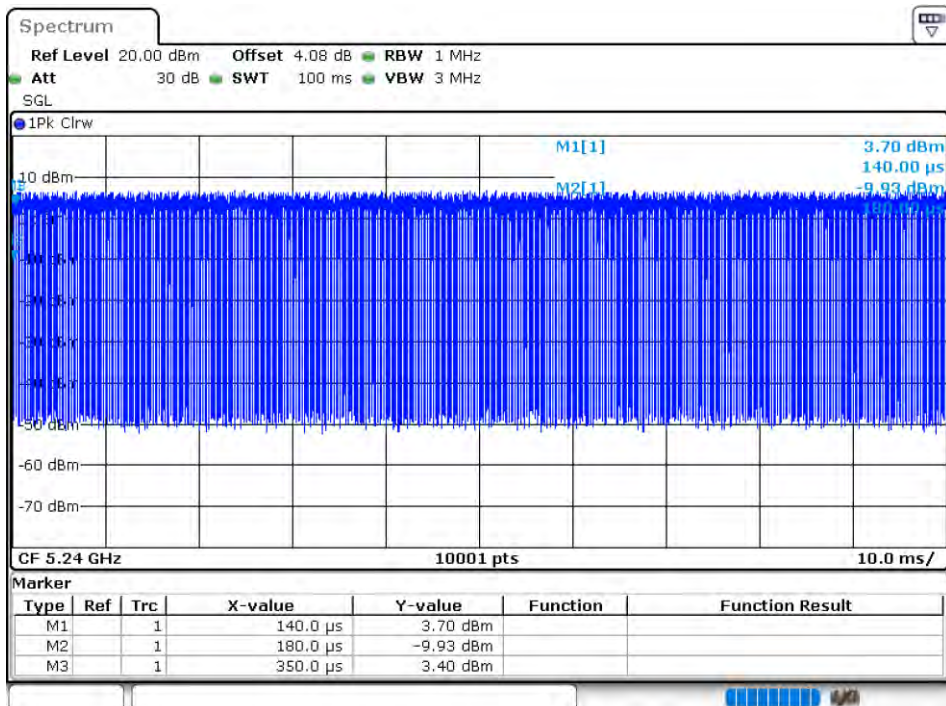
Duty Cycle NVNT ac20 5180MHz Ant2



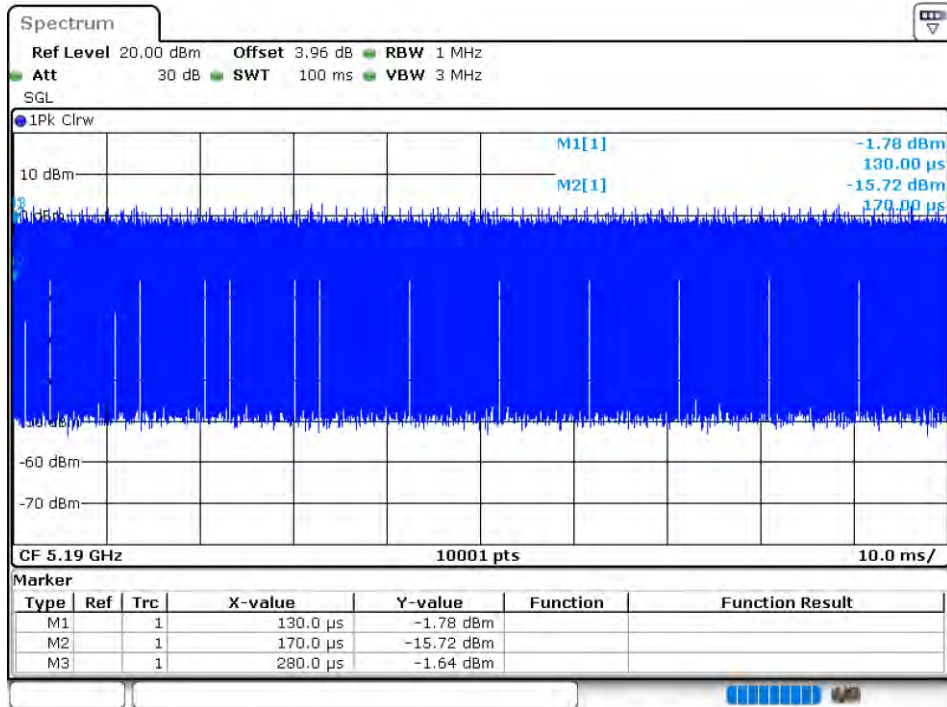
Duty Cycle NVNT ac20 5200MHz Ant2



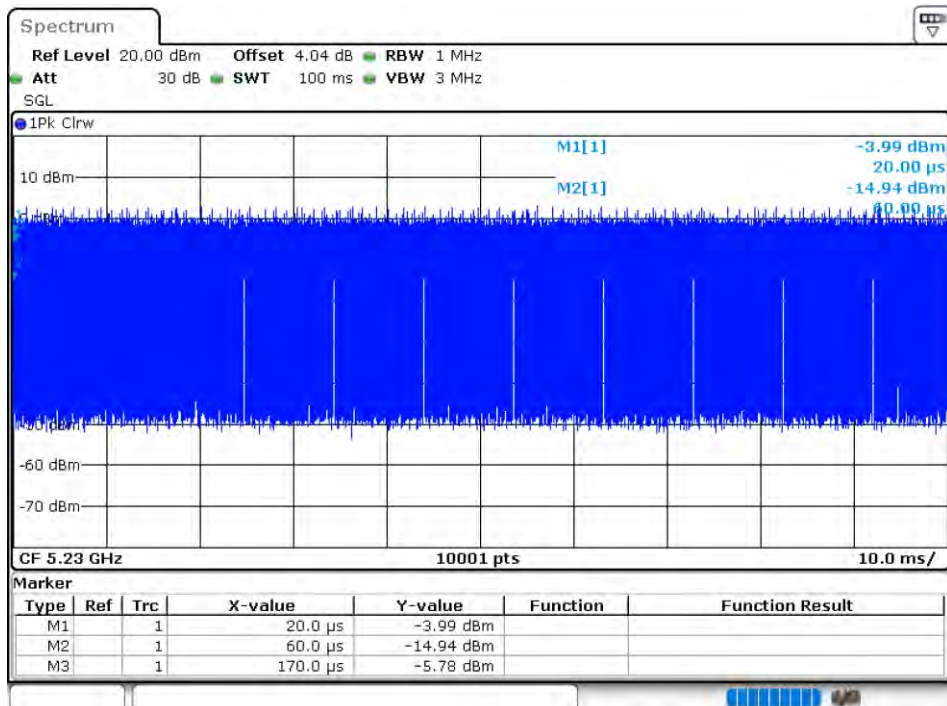
Duty Cycle NVNT ac20 5240MHz Ant2

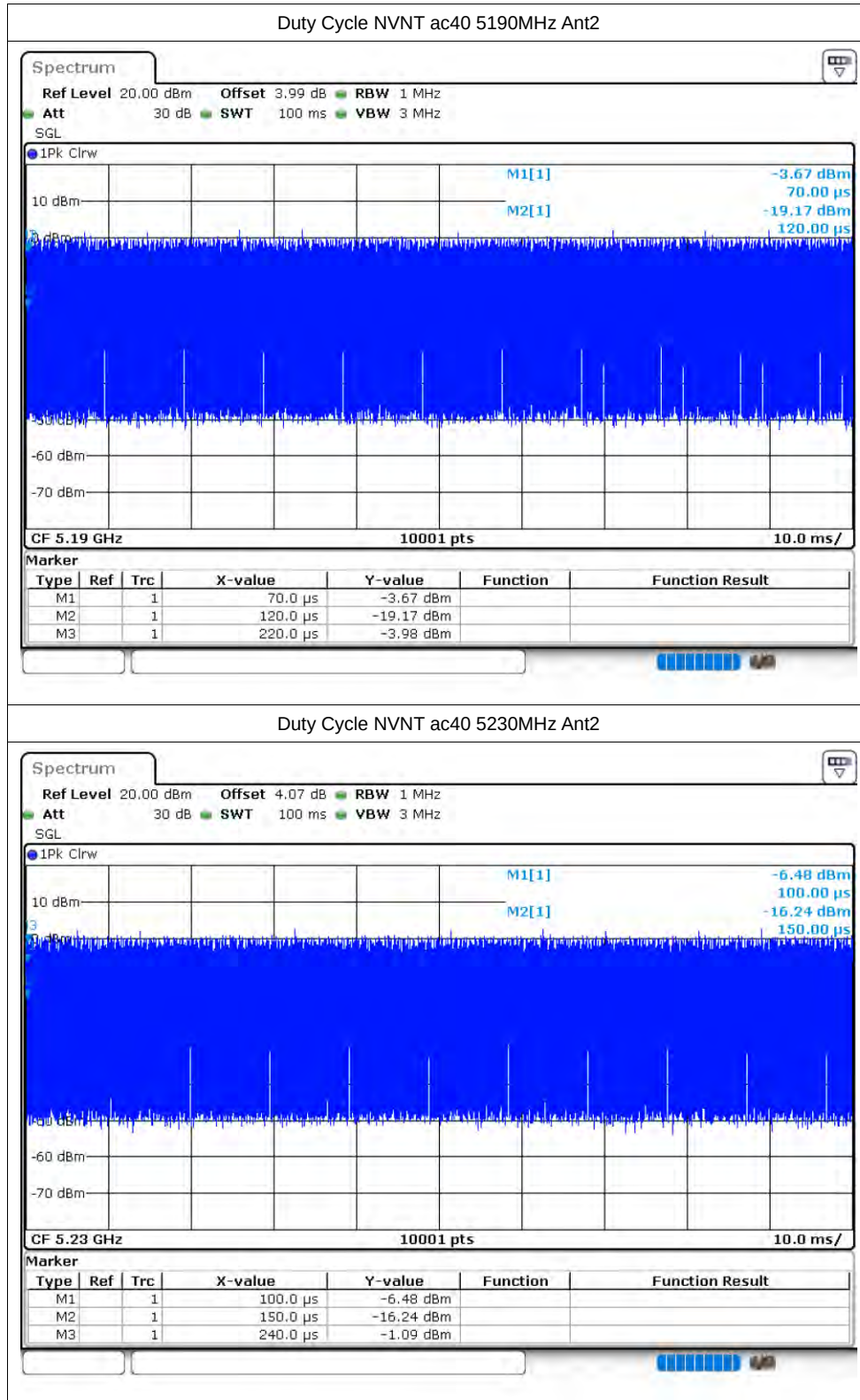


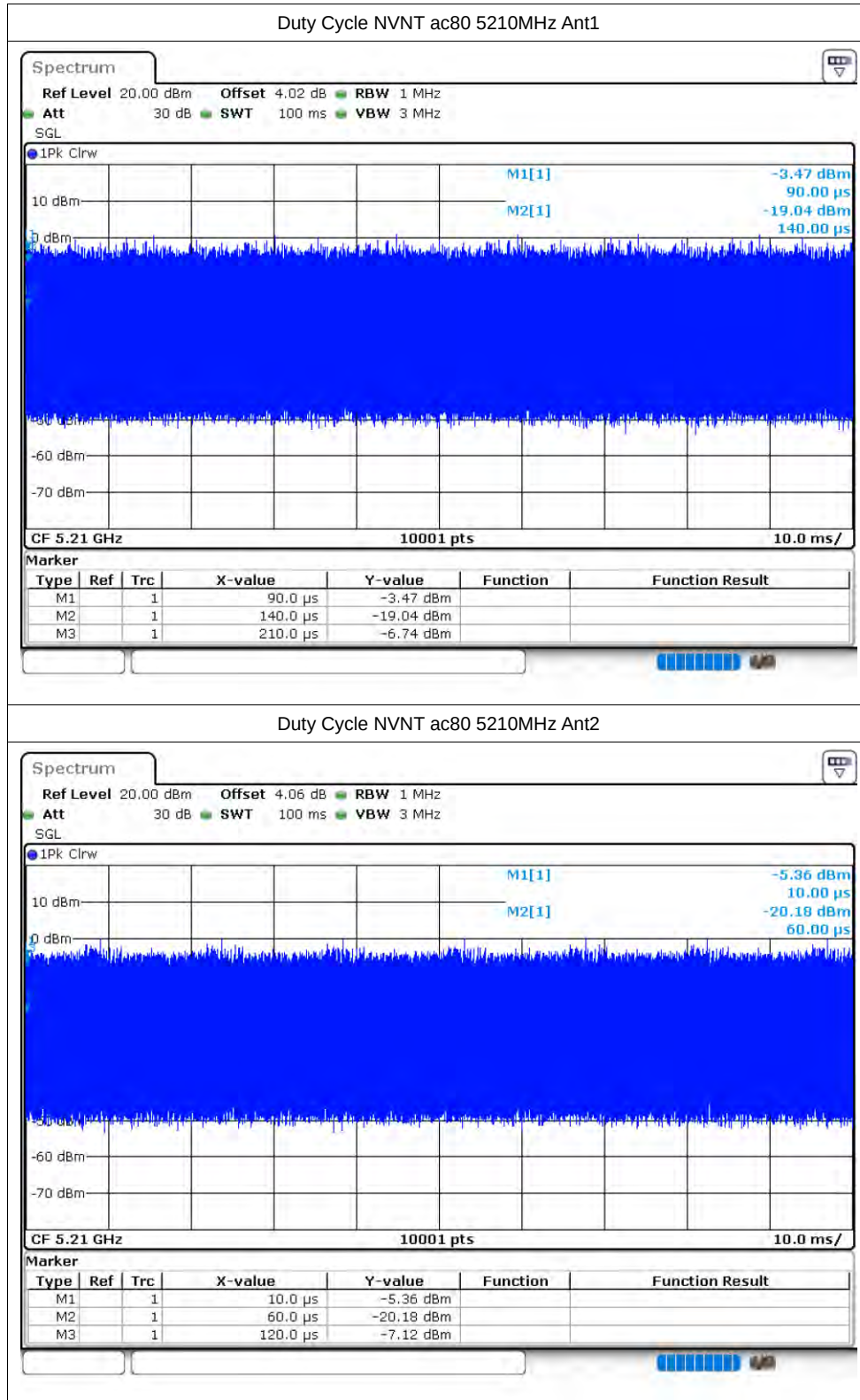
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1







Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.21	24	Pass
NVNT	a	5200	Ant1	12.26	24	Pass
NVNT	a	5240	Ant1	12.49	24	Pass
NVNT	a	5180	Ant2	12.22	24	Pass
NVNT	a	5200	Ant2	12.41	24	Pass
NVNT	a	5240	Ant2	12.41	24	Pass
NVNT	n20	5180	Ant1	11.49	24	Pass
NVNT	n20	5200	Ant1	11.18	24	Pass
NVNT	n20	5240	Ant1	11.49	24	Pass
NVNT	n20	5180	Ant2	11.01	24	Pass
NVNT	n20	5200	Ant2	11.3	24	Pass
NVNT	n20	5240	Ant2	11.31	24	Pass
NVNT	n40	5190	Ant1	10.96	24	Pass
NVNT	n40	5230	Ant1	11.2	24	Pass
NVNT	n40	5190	Ant2	11.14	24	Pass
NVNT	n40	5230	Ant2	11.19	24	Pass
NVNT	ac20	5180	Ant1	11.24	24	Pass
NVNT	ac20	5200	Ant1	11.1	24	Pass
NVNT	ac20	5240	Ant1	11.38	24	Pass
NVNT	ac20	5180	Ant2	11.08	24	Pass
NVNT	ac20	5200	Ant2	11.25	24	Pass
NVNT	ac20	5240	Ant2	11.32	24	Pass
NVNT	ac40	5190	Ant1	10.97	24	Pass
NVNT	ac40	5230	Ant1	11.41	24	Pass
NVNT	ac40	5190	Ant2	11.14	24	Pass
NVNT	ac40	5230	Ant2	11.18	24	Pass
NVNT	ac80	5210	Ant1	11.05	24	Pass
NVNT	ac80	5210	Ant2	11.15	24	Pass

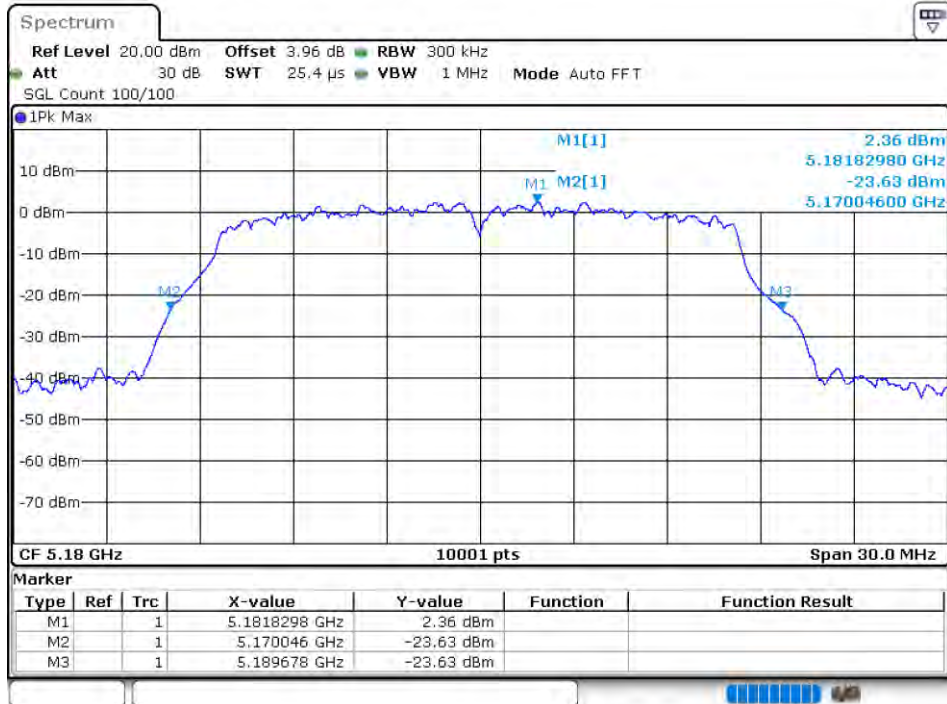
Note: The average power value already includes the duty cycle factor

-26dB Bandwidth

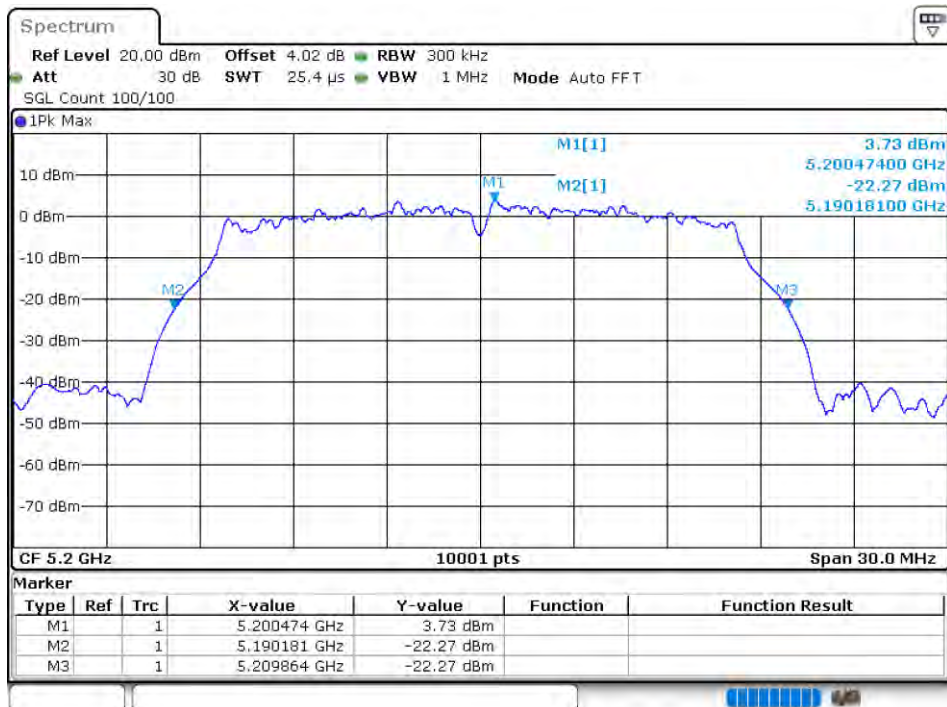
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.632	Pass
NVNT	a	5200	Ant1	19.683	Pass
NVNT	a	5240	Ant1	19.524	Pass
NVNT	a	5180	Ant2	19.728	Pass
NVNT	a	5200	Ant2	19.518	Pass
NVNT	a	5240	Ant2	19.254	Pass
NVNT	n20	5180	Ant1	20.106	Pass
NVNT	n20	5200	Ant1	20.187	Pass
NVNT	n20	5240	Ant1	20.001	Pass
NVNT	n20	5180	Ant2	19.641	Pass
NVNT	n20	5200	Ant2	19.857	Pass
NVNT	n20	5240	Ant2	20.085	Pass
NVNT	n40	5190	Ant1	40.488	Pass
NVNT	n40	5230	Ant1	40.374	Pass
NVNT	n40	5190	Ant2	40.404	Pass
NVNT	n40	5230	Ant2	40.398	Pass
NVNT	ac20	5180	Ant1	19.899	Pass
NVNT	ac20	5200	Ant1	20.064	Pass
NVNT	ac20	5240	Ant1	19.746	Pass
NVNT	ac20	5180	Ant2	19.887	Pass
NVNT	ac20	5200	Ant2	19.839	Pass
NVNT	ac20	5240	Ant2	19.878	Pass
NVNT	ac40	5190	Ant1	40.266	Pass
NVNT	ac40	5230	Ant1	40.248	Pass
NVNT	ac40	5190	Ant2	40.104	Pass
NVNT	ac40	5230	Ant2	39.222	Pass
NVNT	ac80	5210	Ant1	81.264	Pass
NVNT	ac80	5210	Ant2	80.4	Pass

Test Graphs

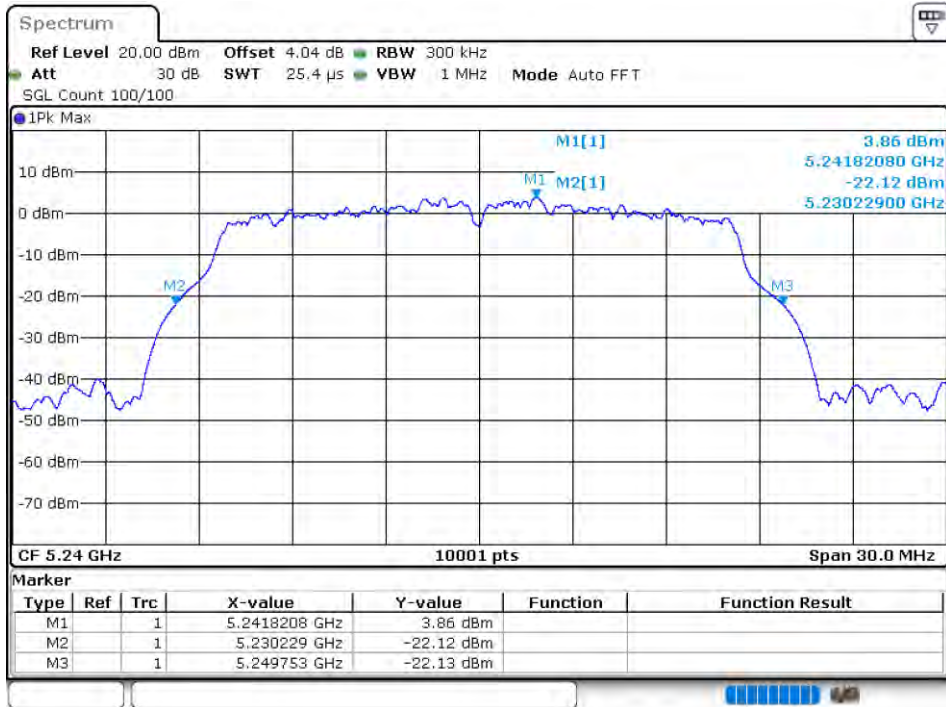
-26dB Bandwidth NVNT a 5180MHz Ant1



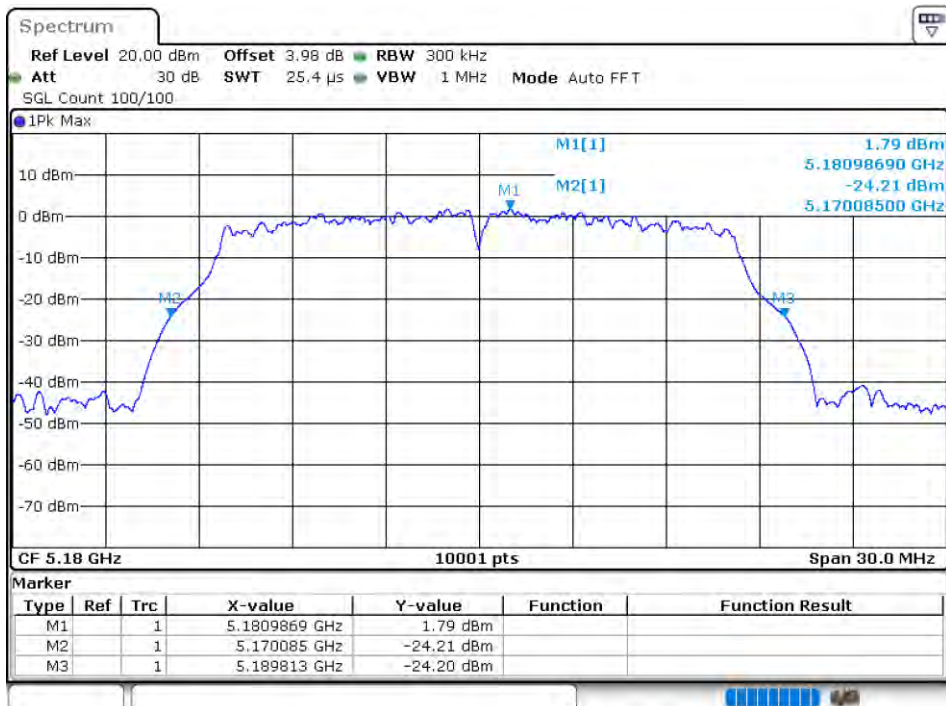
-26dB Bandwidth NVNT a 5200MHz Ant1



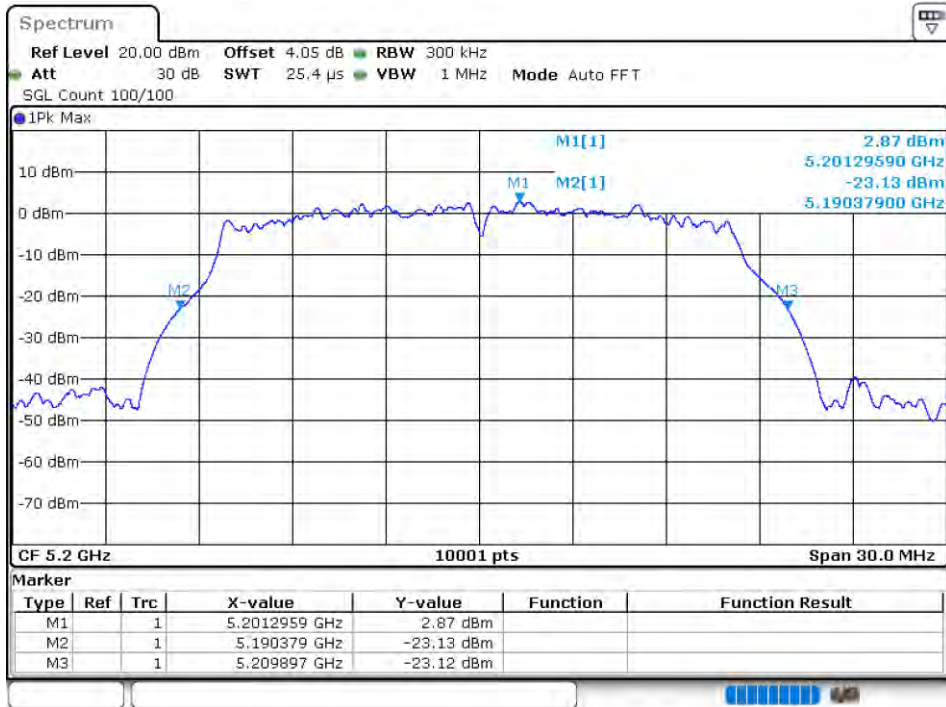
-26dB Bandwidth NVNT a 5240MHz Ant1



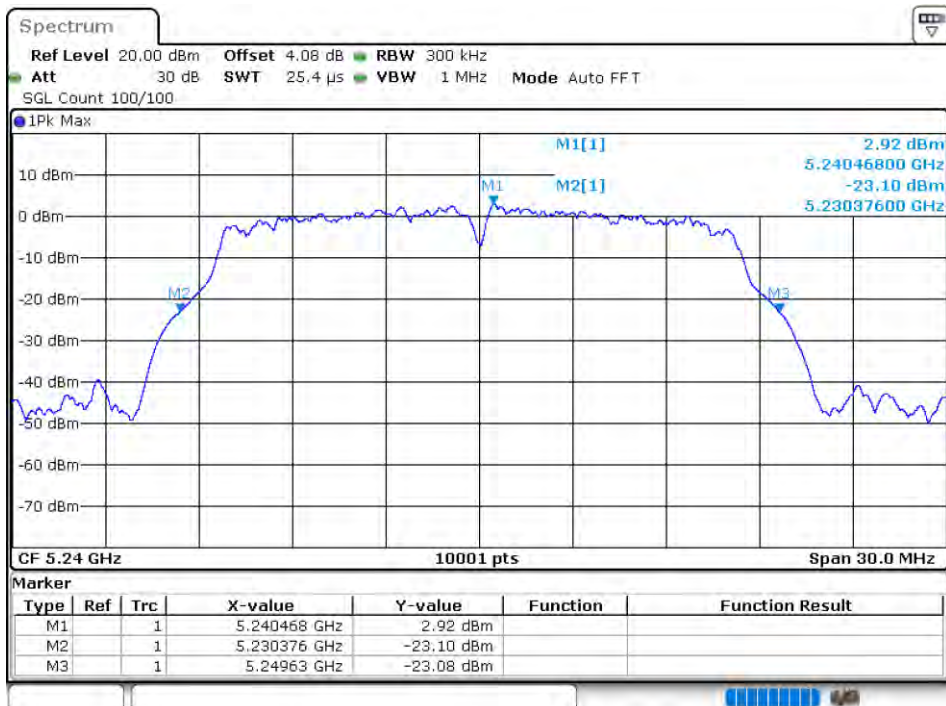
-26dB Bandwidth NVNT a 5180MHz Ant2

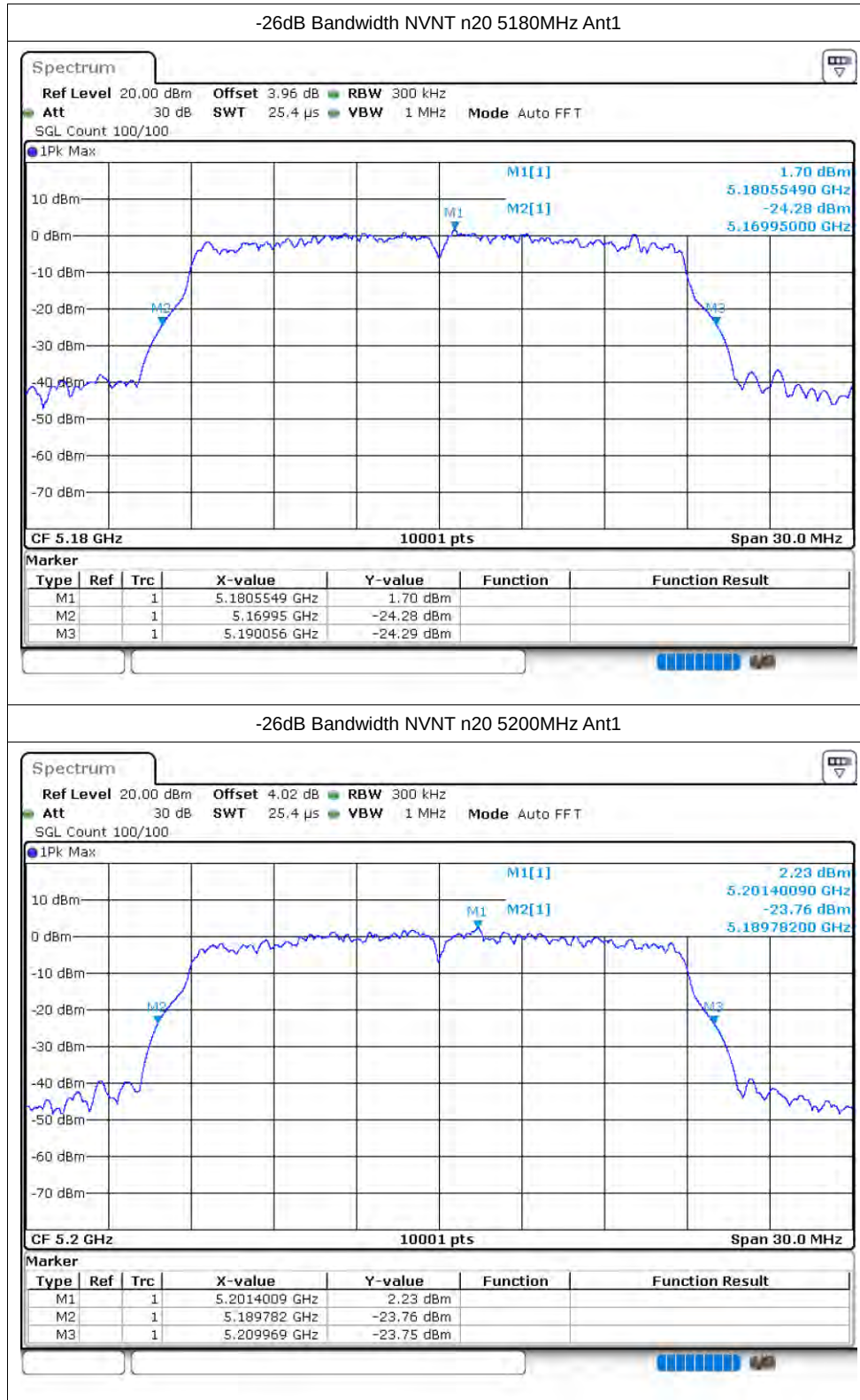


-26dB Bandwidth NVNT a 5200MHz Ant2

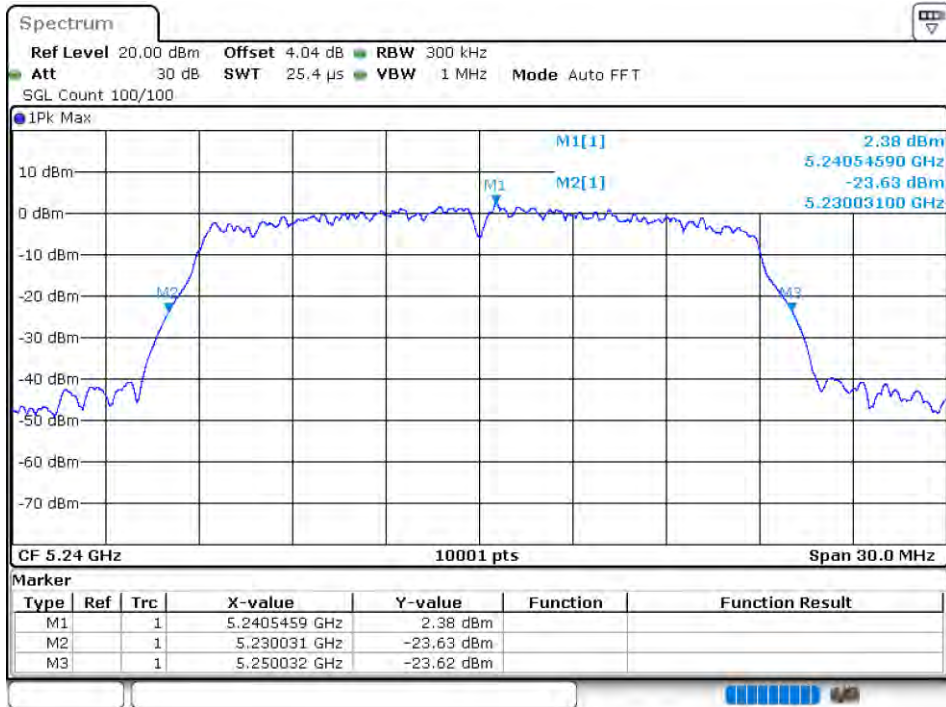


-26dB Bandwidth NVNT a 5240MHz Ant2

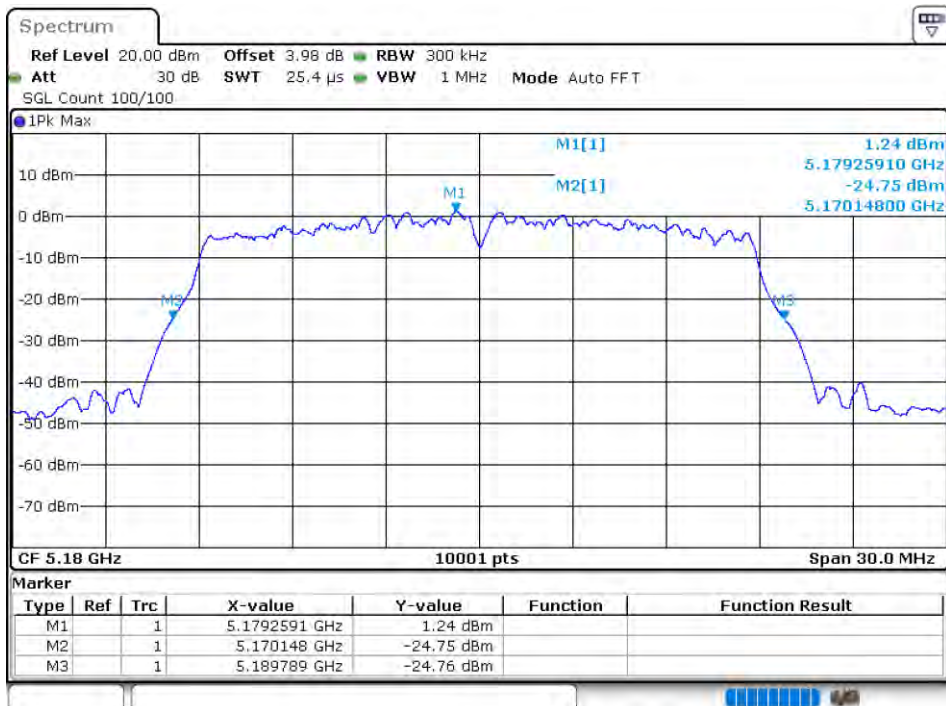




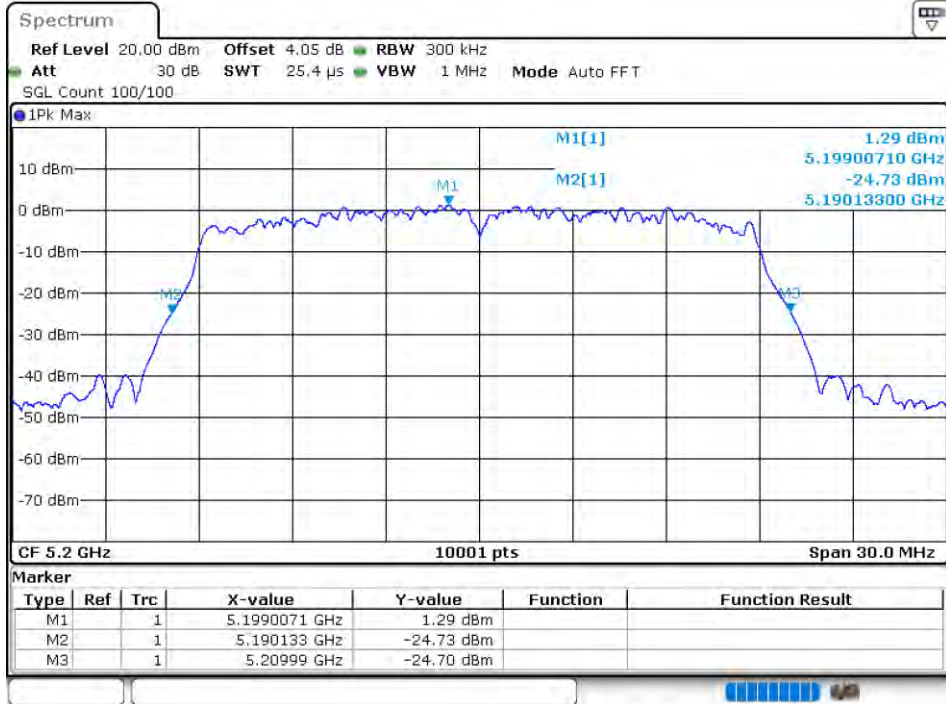
-26dB Bandwidth NVNT n20 5240MHz Ant1



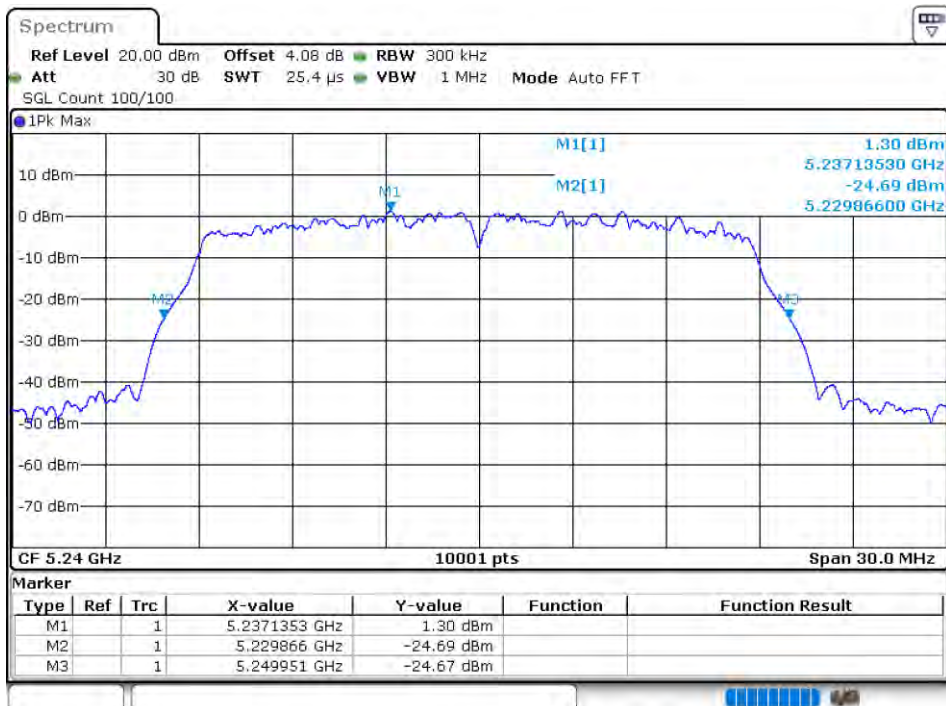
-26dB Bandwidth NVNT n20 5180MHz Ant2



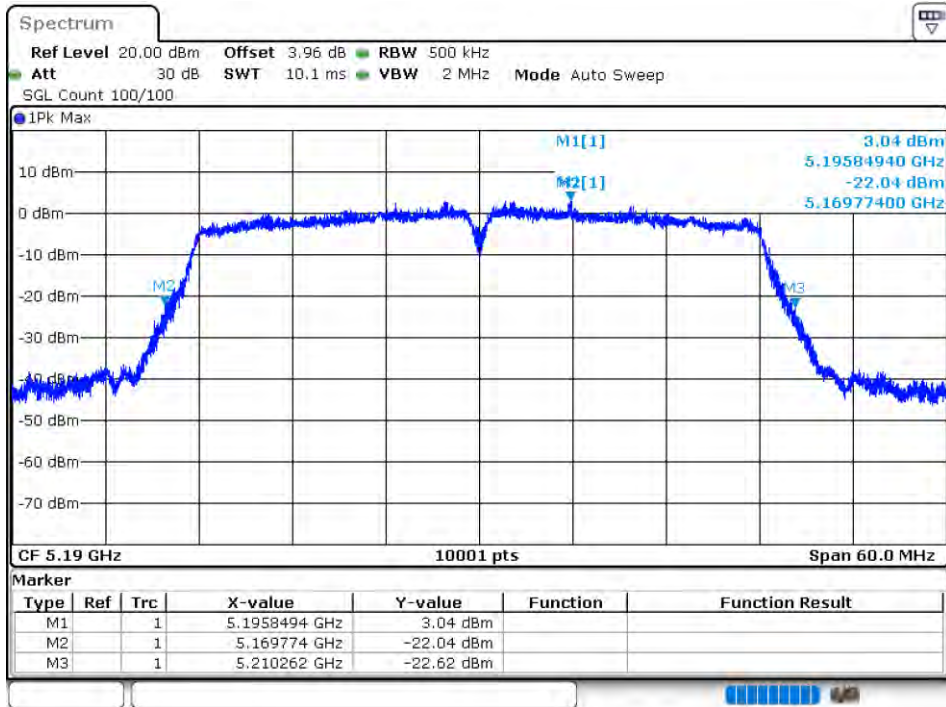
-26dB Bandwidth NVNT n20 5200MHz Ant2



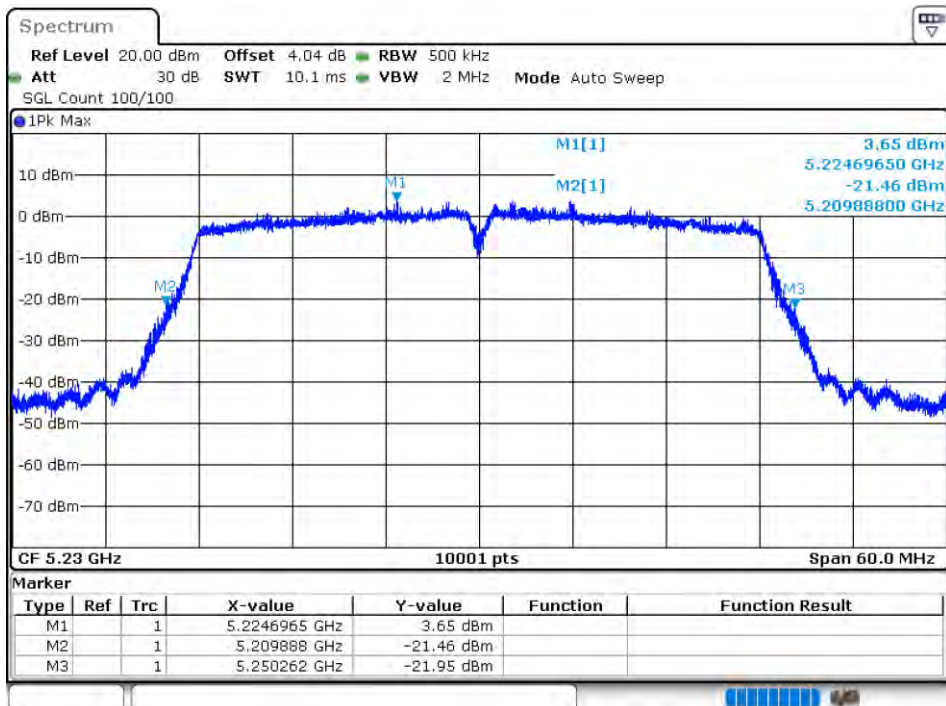
-26dB Bandwidth NVNT n20 5240MHz Ant2



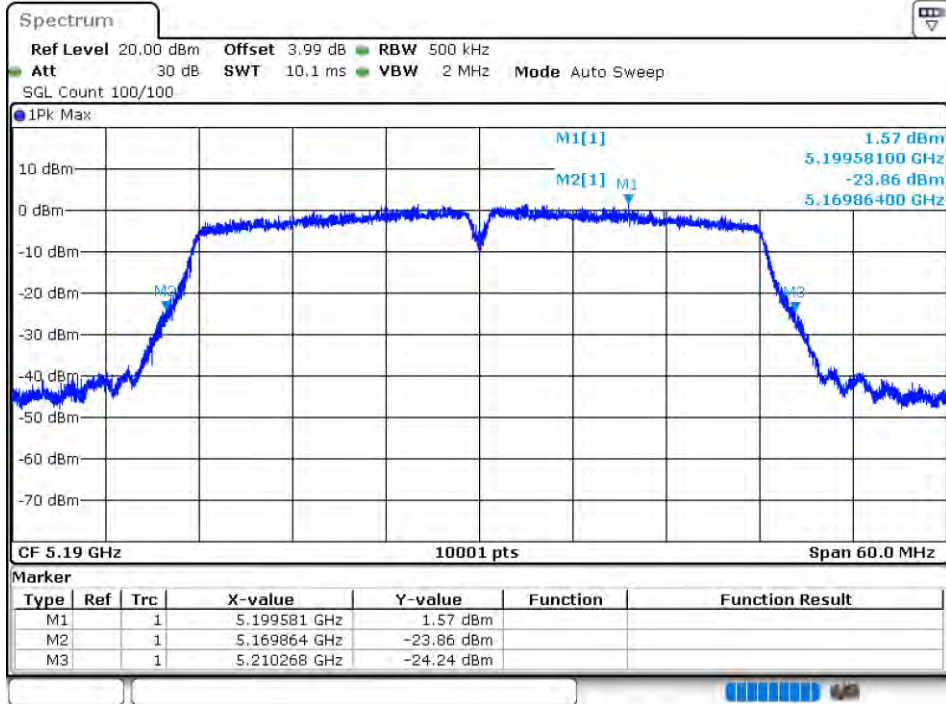
-26dB Bandwidth NVNT n40 5190MHz Ant1



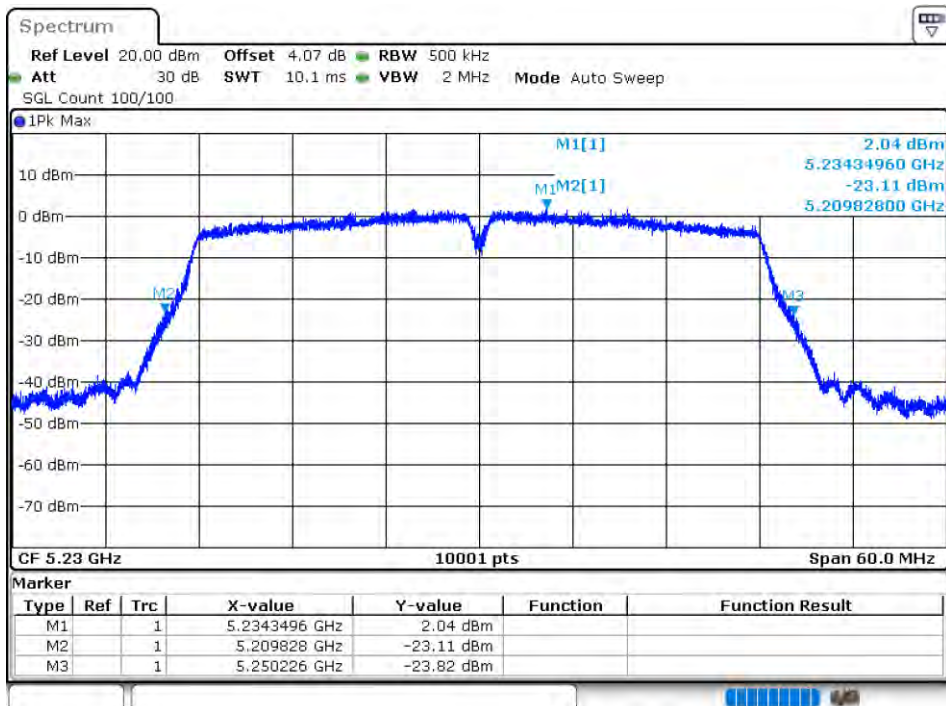
-26dB Bandwidth NVNT n40 5230MHz Ant1



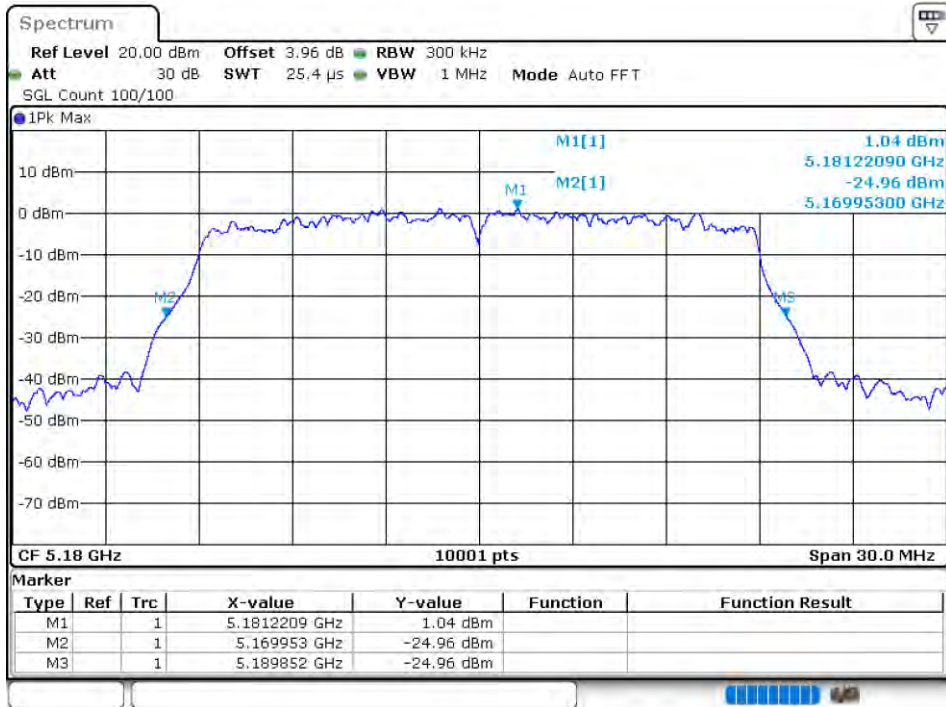
-26dB Bandwidth NVNT n40 5190MHz Ant2



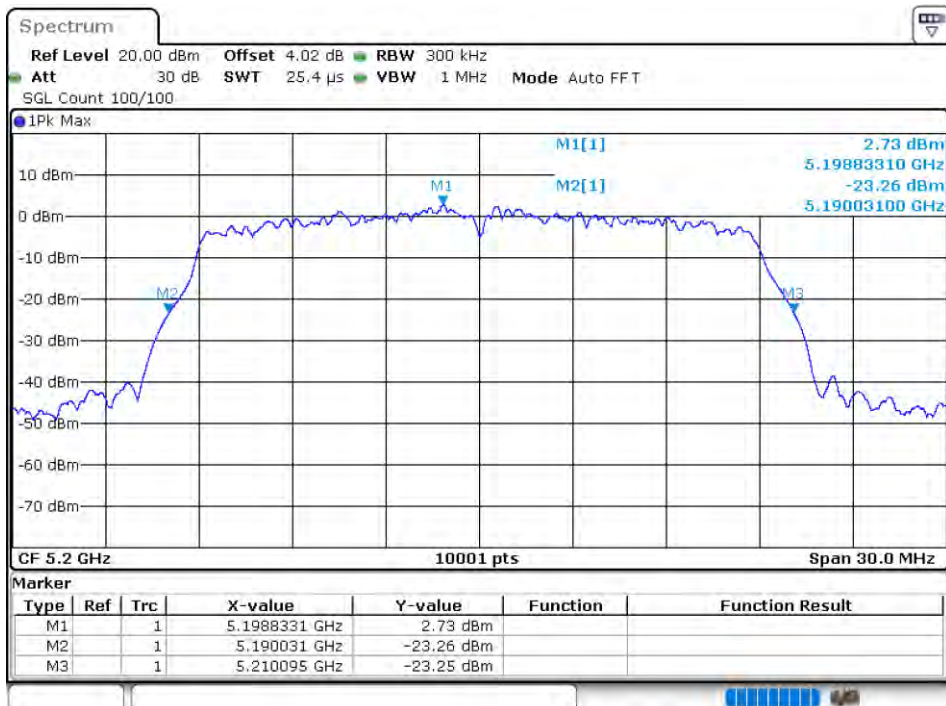
-26dB Bandwidth NVNT n40 5230MHz Ant2



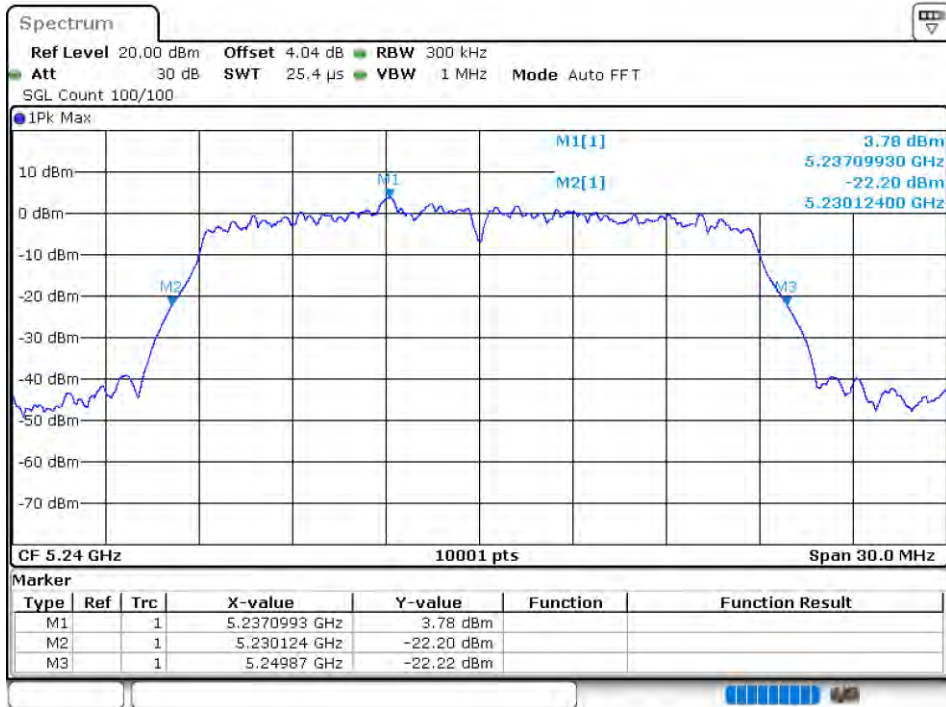
-26dB Bandwidth NVNT ac20 5180MHz Ant1



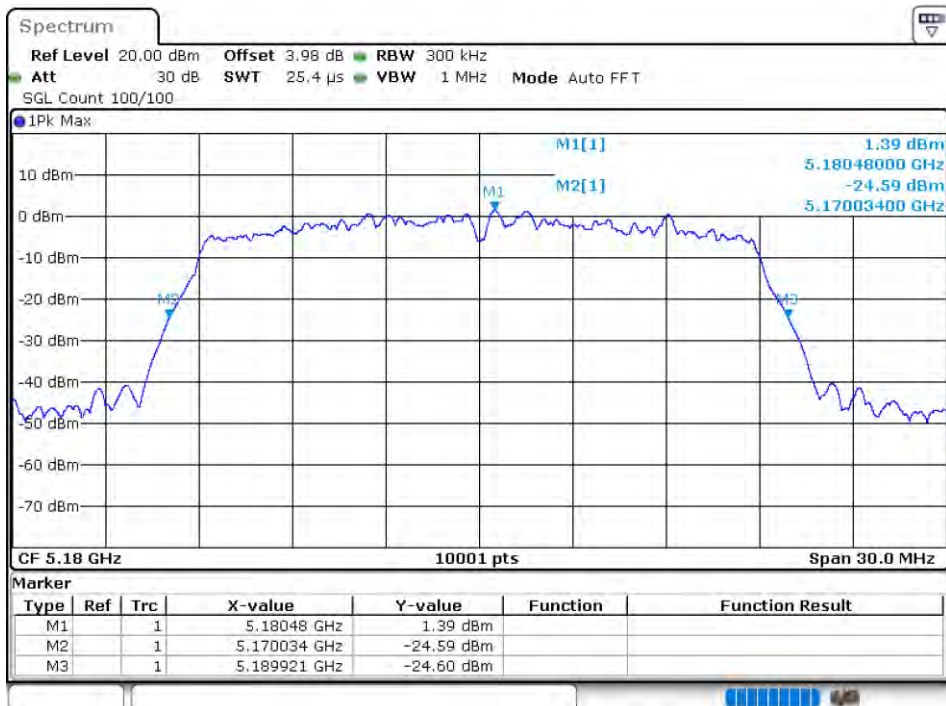
-26dB Bandwidth NVNT ac20 5200MHz Ant1



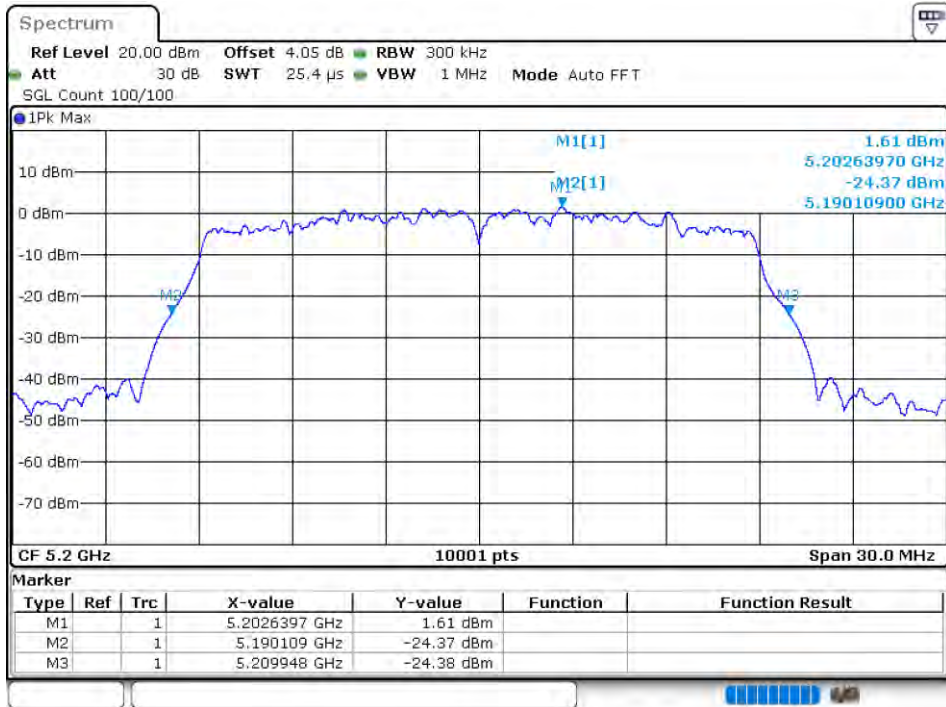
-26dB Bandwidth NVNT ac20 5240MHz Ant1



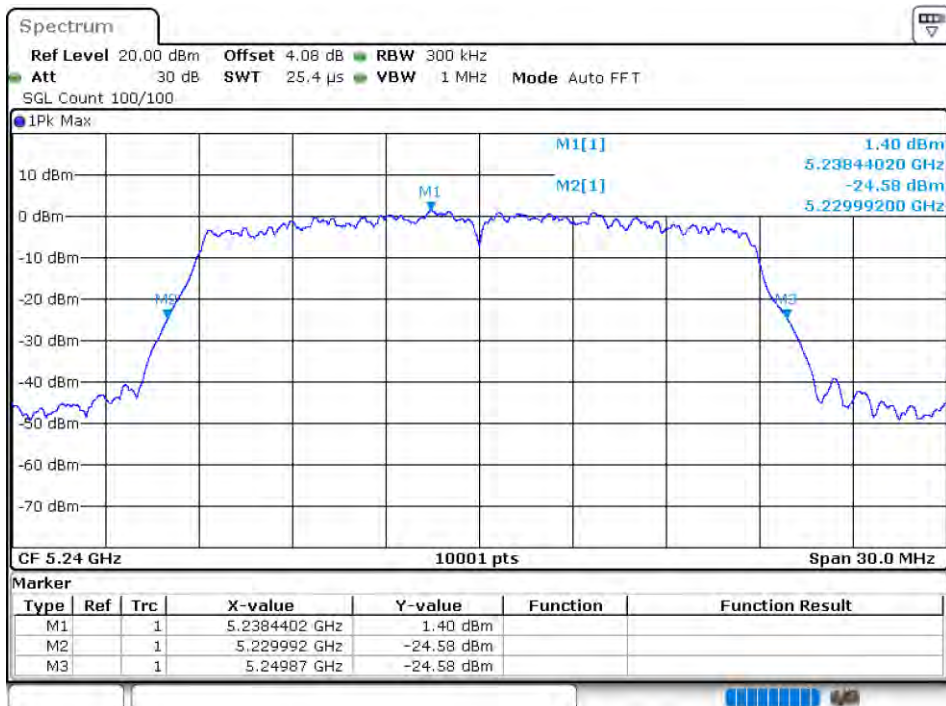
-26dB Bandwidth NVNT ac20 5180MHz Ant2



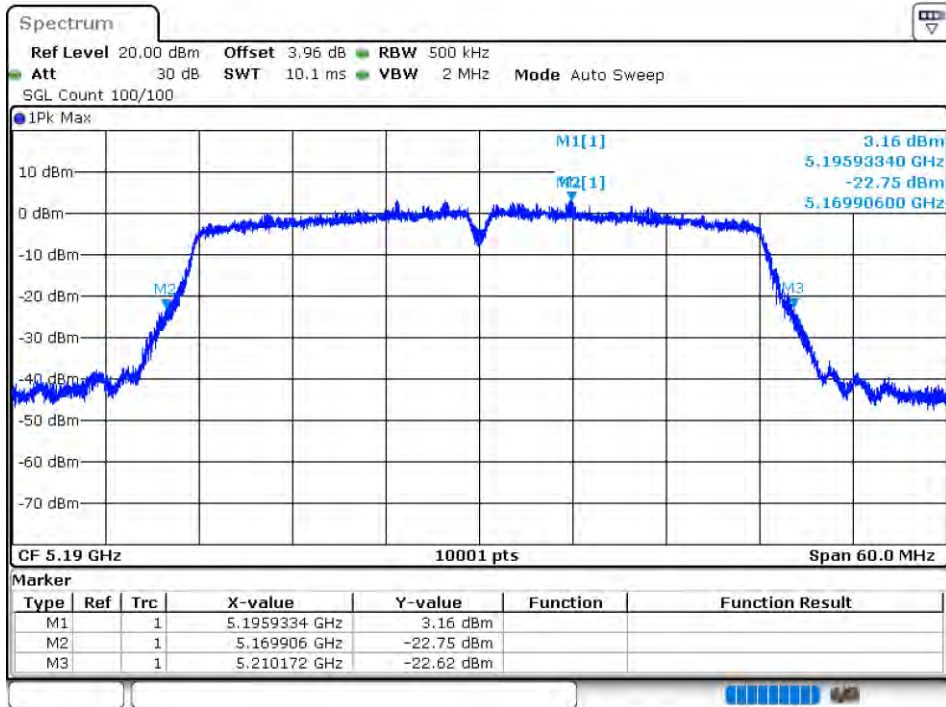
-26dB Bandwidth NVNT ac20 5200MHz Ant2



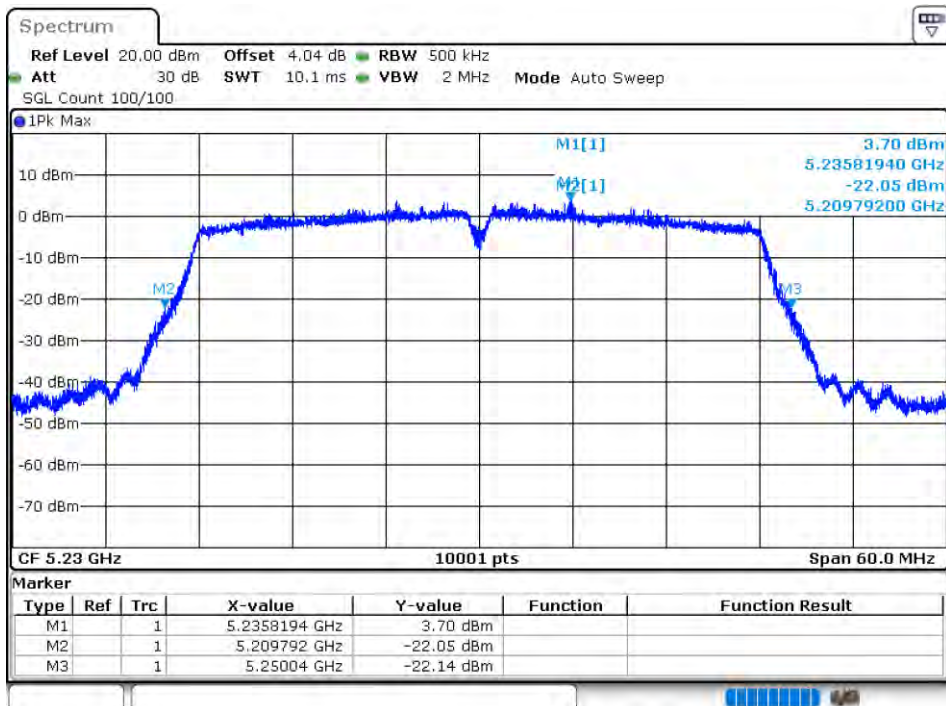
-26dB Bandwidth NVNT ac20 5240MHz Ant2



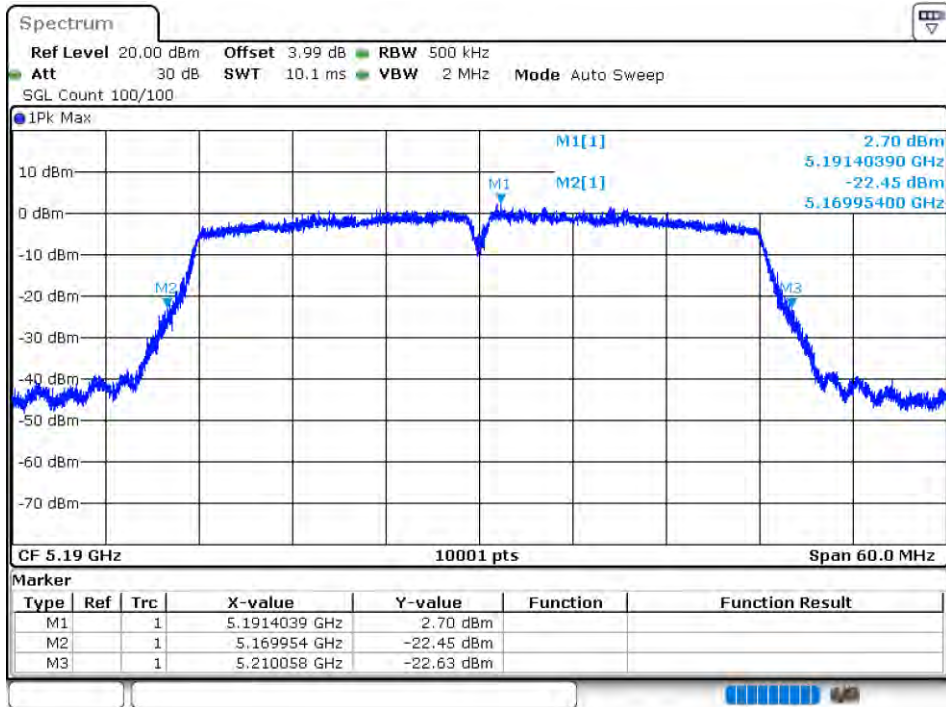
-26dB Bandwidth NVNT ac40 5190MHz Ant1



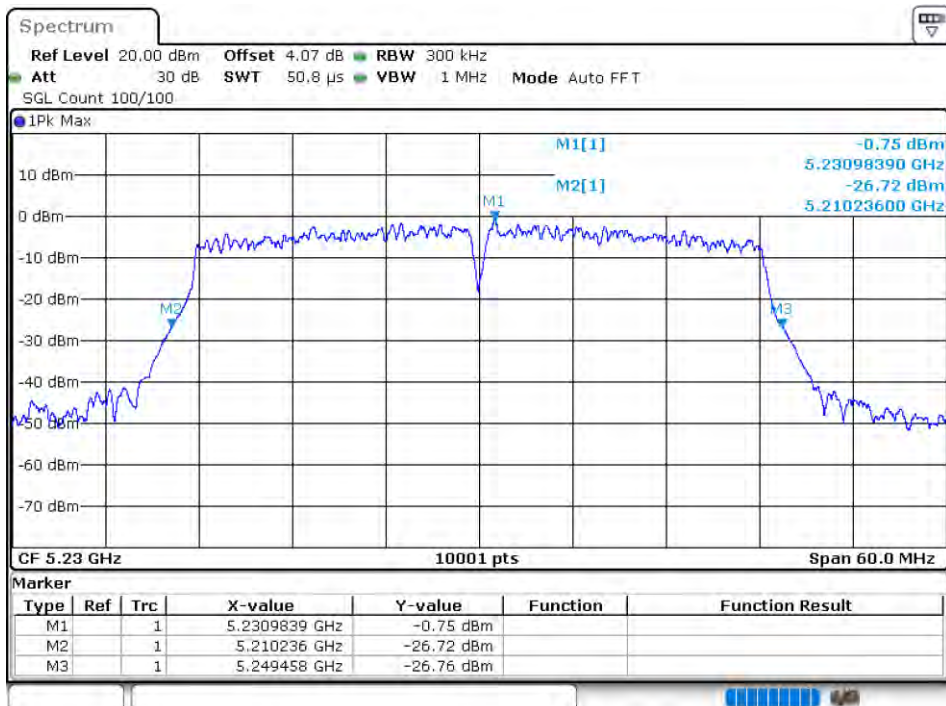
-26dB Bandwidth NVNT ac40 5230MHz Ant1



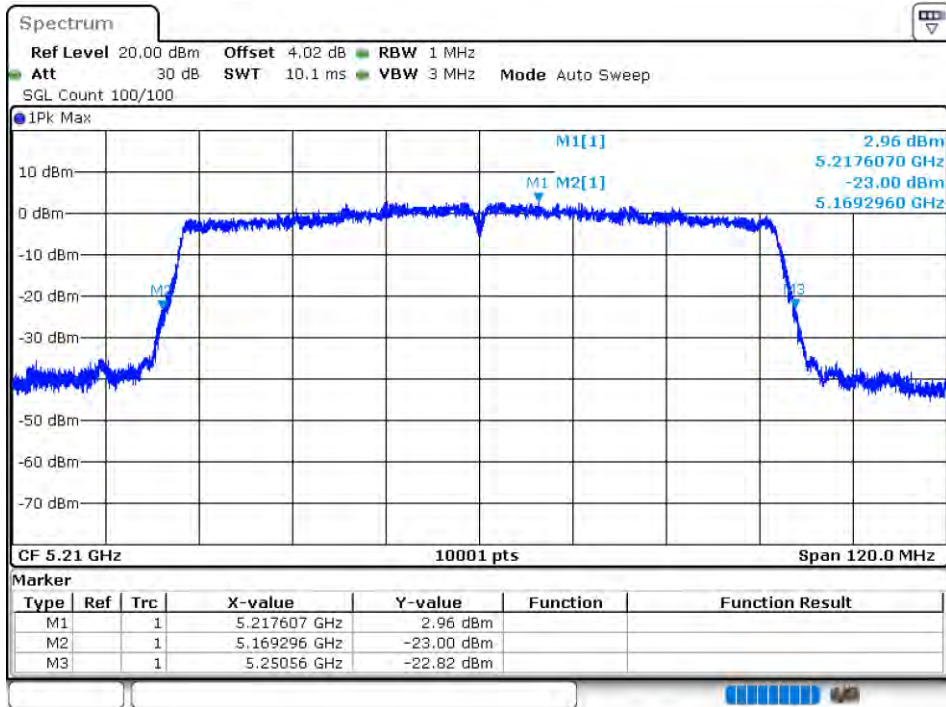
-26dB Bandwidth NVNT ac40 5190MHz Ant2



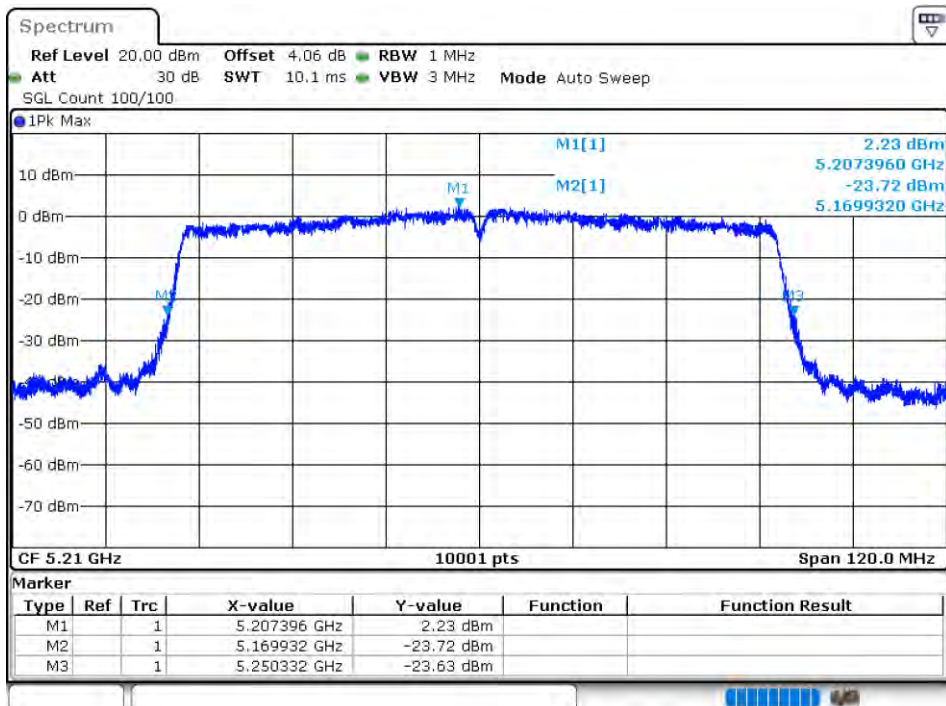
-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant2

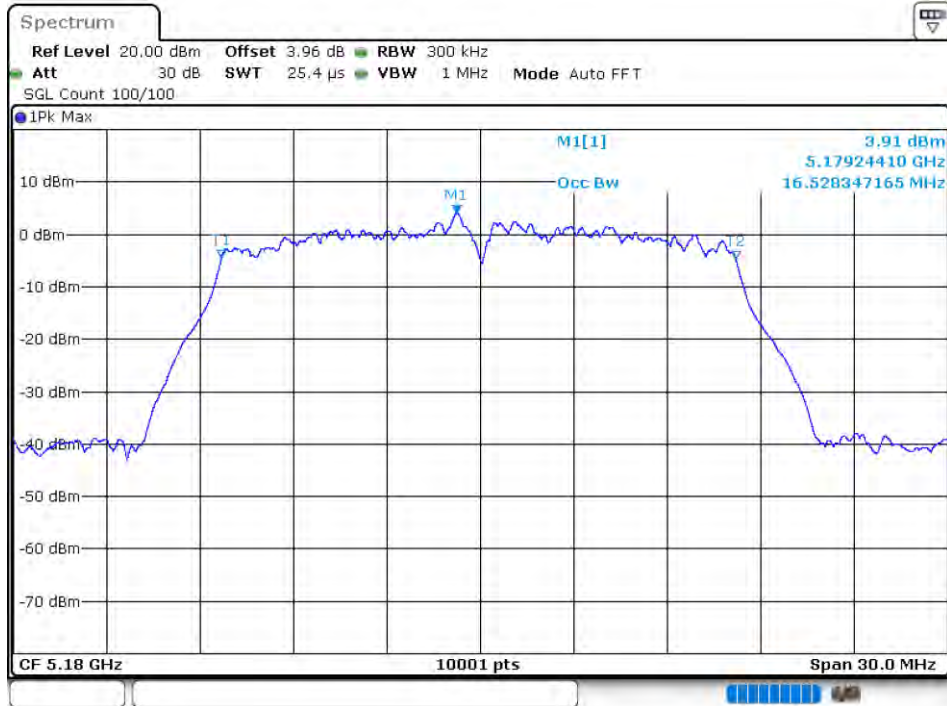


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.528
NVNT	a	5200	Ant1	16.522
NVNT	a	5240	Ant1	16.432
NVNT	a	5180	Ant2	16.459
NVNT	a	5200	Ant2	16.384
NVNT	a	5240	Ant2	16.411
NVNT	n20	5180	Ant1	17.533
NVNT	n20	5200	Ant1	17.557
NVNT	n20	5240	Ant1	17.545
NVNT	n20	5180	Ant2	17.587
NVNT	n20	5200	Ant2	17.593
NVNT	n20	5240	Ant2	17.491
NVNT	n40	5190	Ant1	36.038
NVNT	n40	5230	Ant1	35.996
NVNT	n40	5190	Ant2	36.056
NVNT	n40	5230	Ant2	36.014
NVNT	ac20	5180	Ant1	17.506
NVNT	ac20	5200	Ant1	17.569
NVNT	ac20	5240	Ant1	17.662
NVNT	ac20	5180	Ant2	17.587
NVNT	ac20	5200	Ant2	17.515
NVNT	ac20	5240	Ant2	17.593
NVNT	ac40	5190	Ant1	36.002
NVNT	ac40	5230	Ant1	35.966
NVNT	ac40	5190	Ant2	36.008
NVNT	ac40	5230	Ant2	36.038
NVNT	ac80	5210	Ant1	75.4
NVNT	ac80	5210	Ant2	75.376

Test Graphs

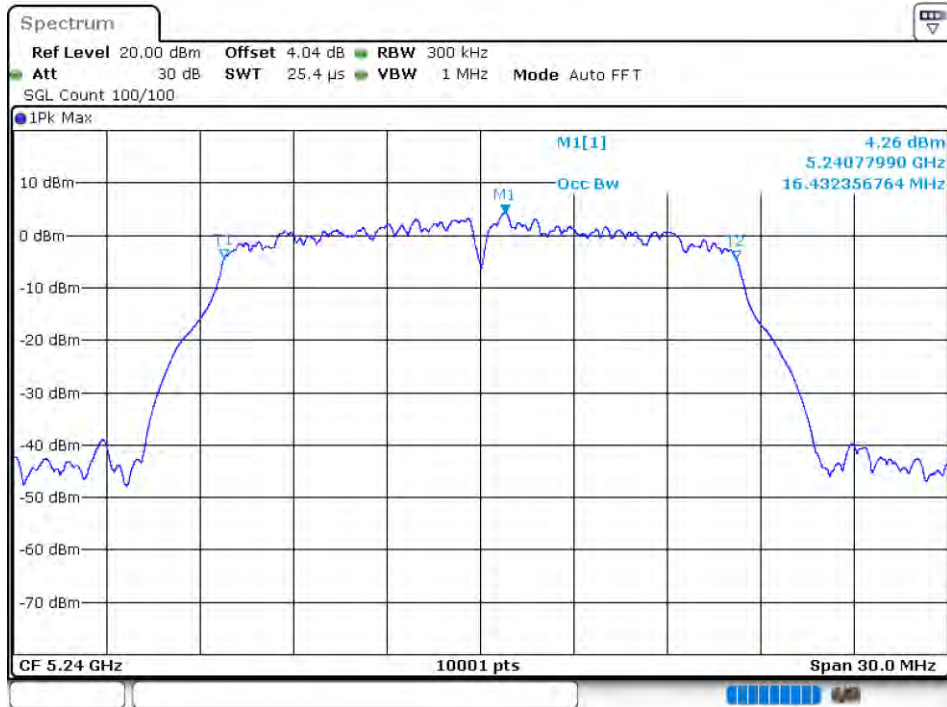
OBW NVNT a 5180MHz Ant1



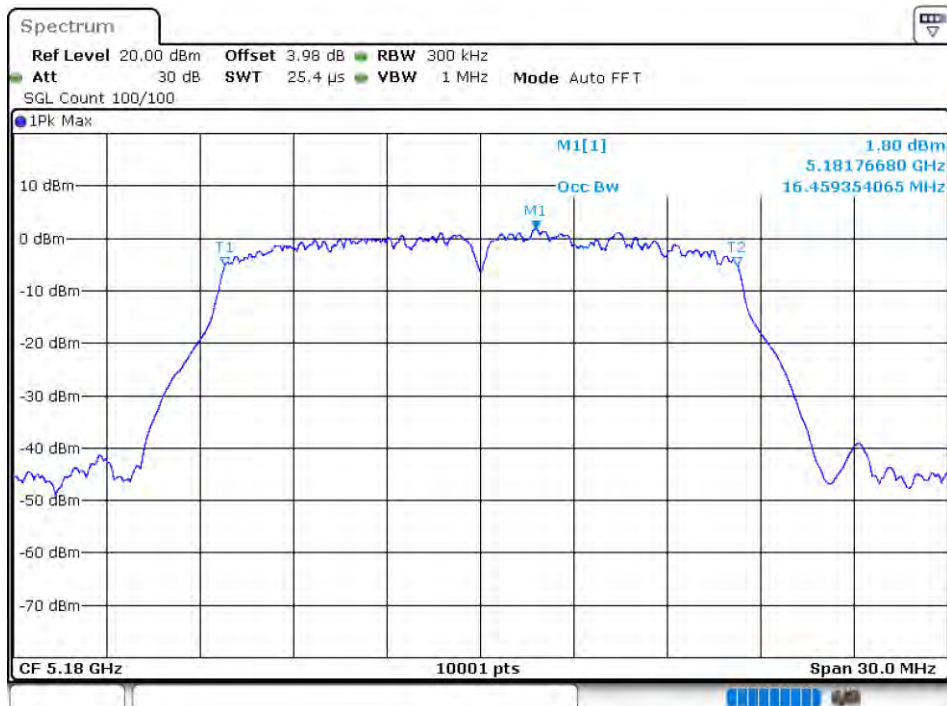
OBW NVNT a 5200MHz Ant1



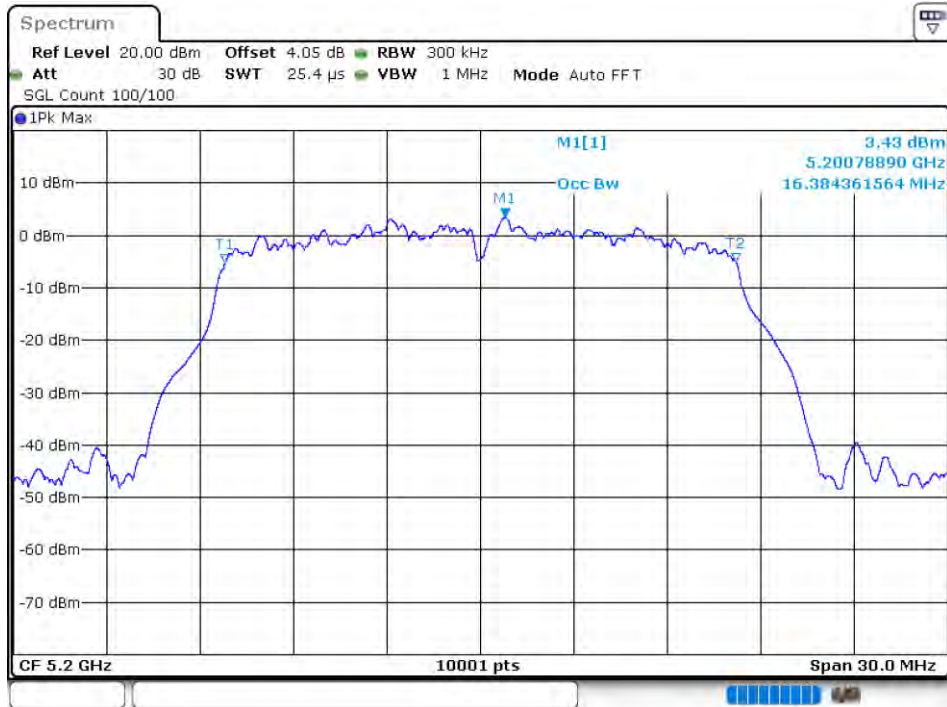
OBW NVNT a 5240MHz Ant1



OBW NVNT a 5180MHz Ant2

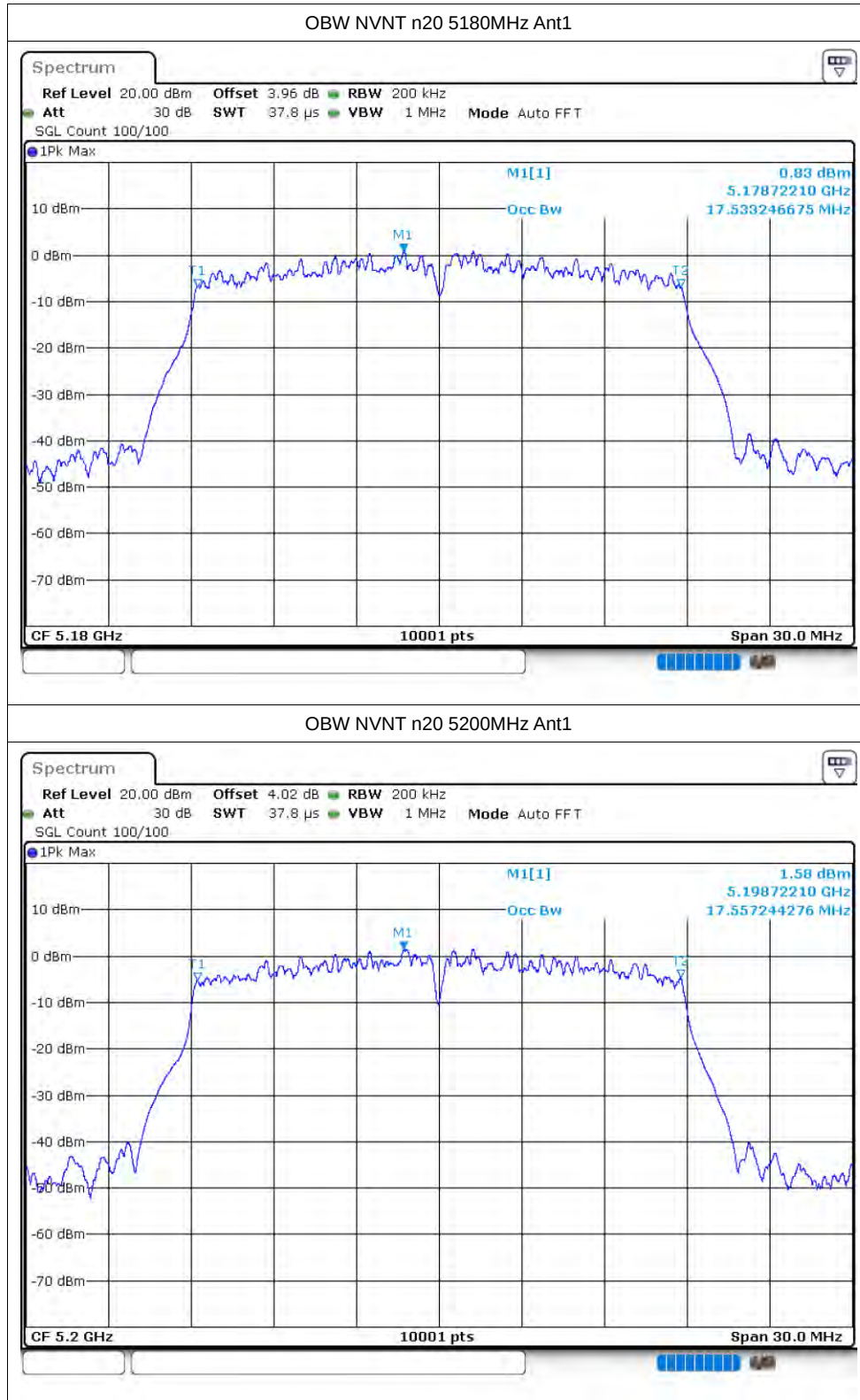


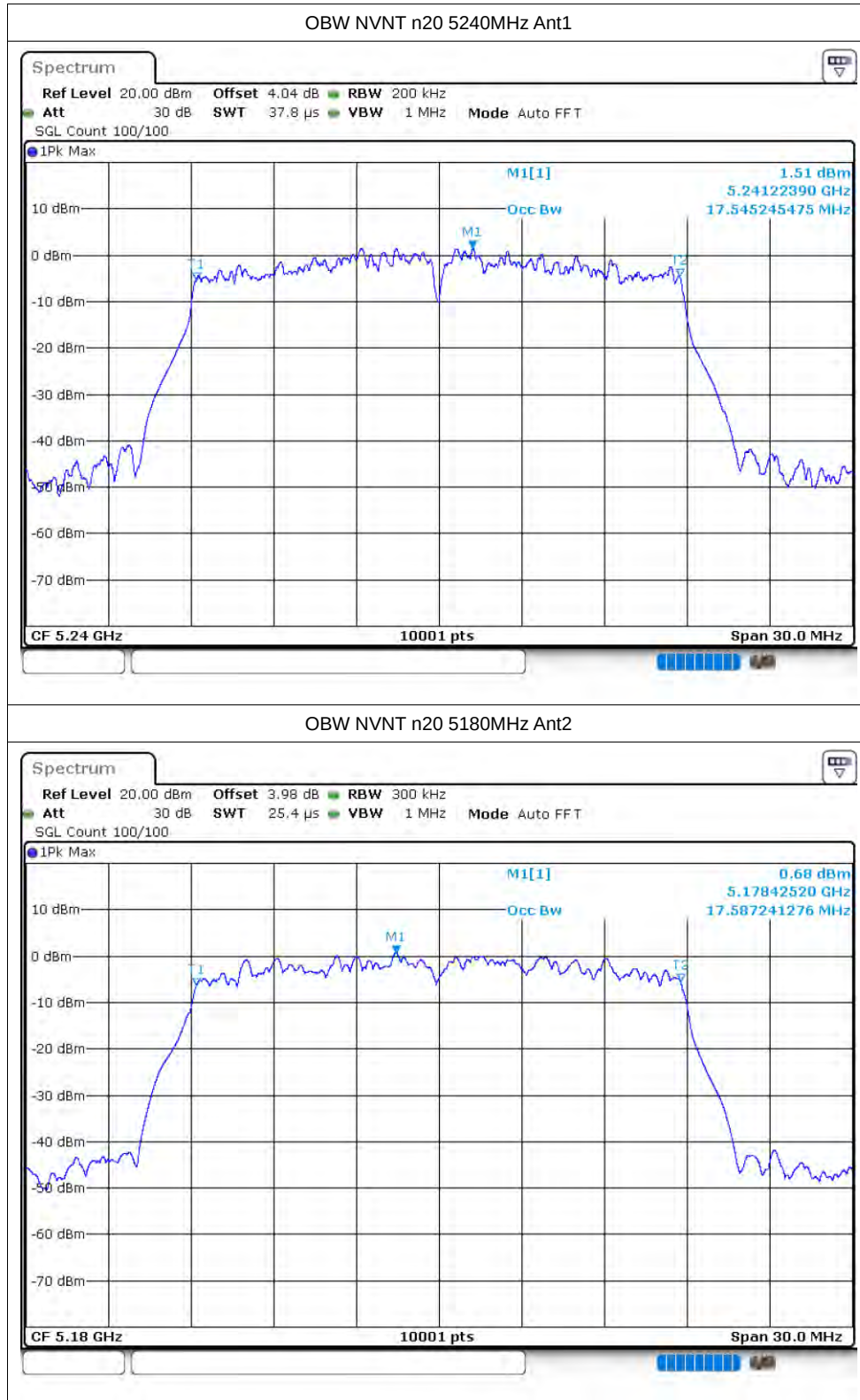
OBW NVNT a 5200MHz Ant2

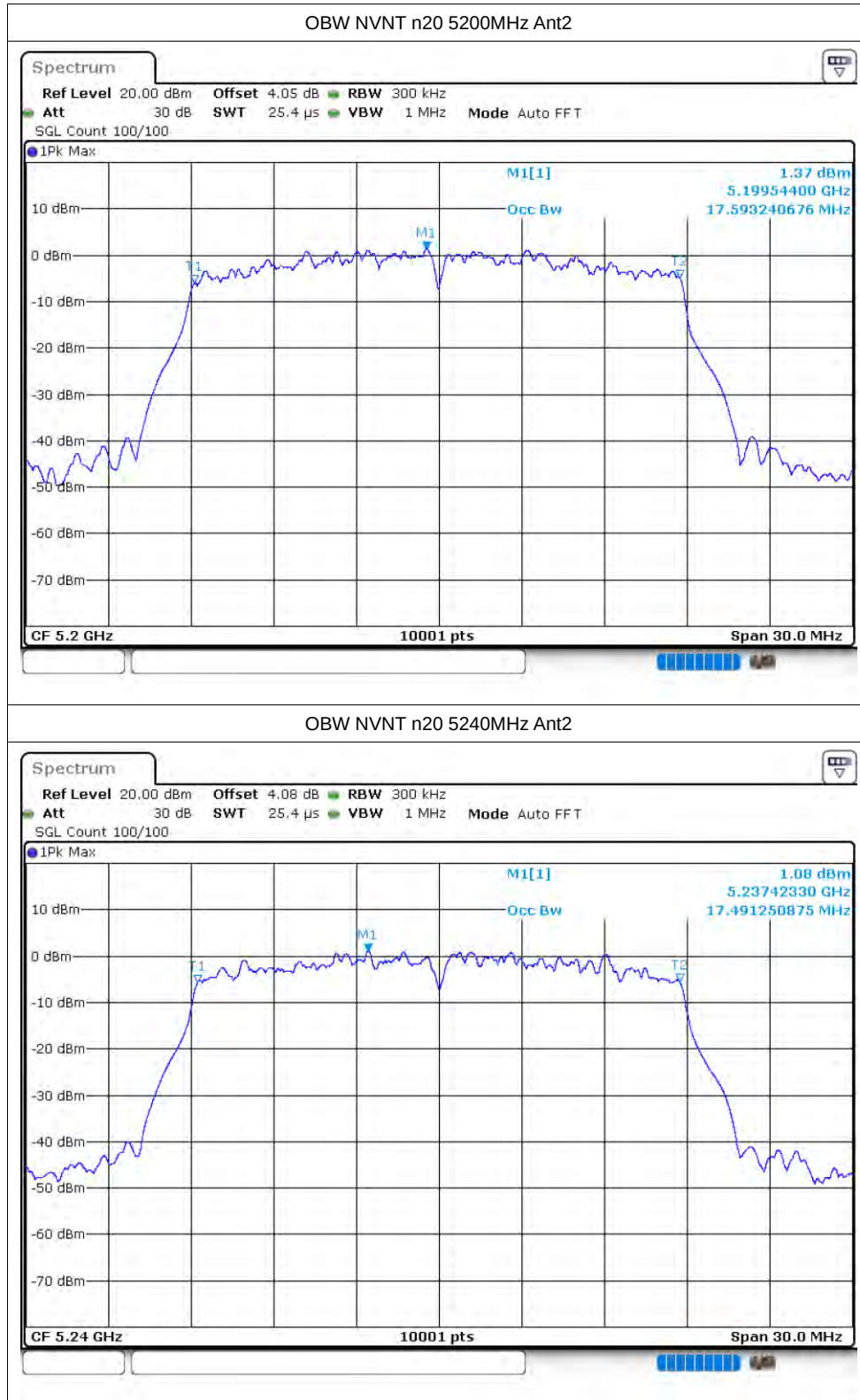


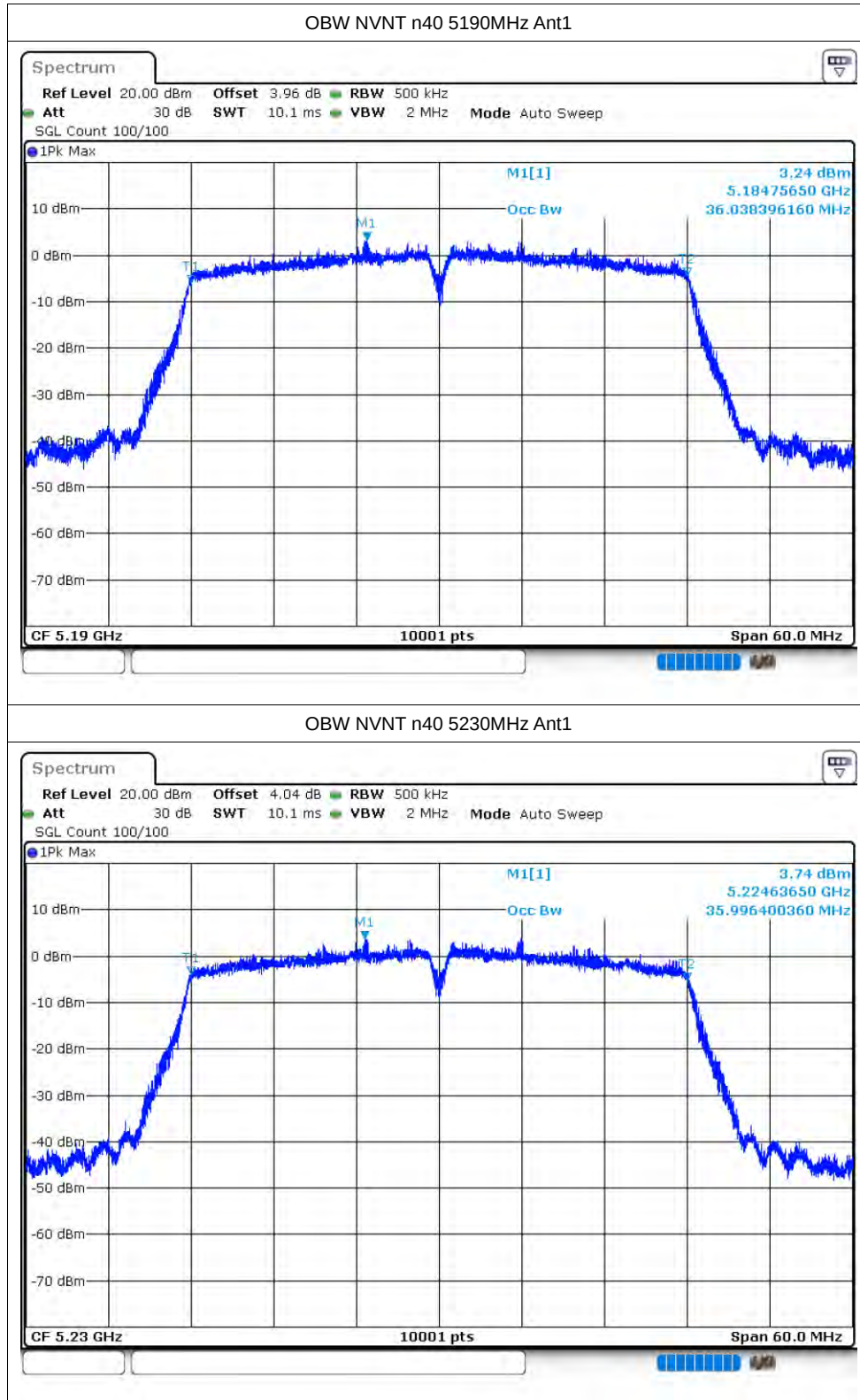
OBW NVNT a 5240MHz Ant2

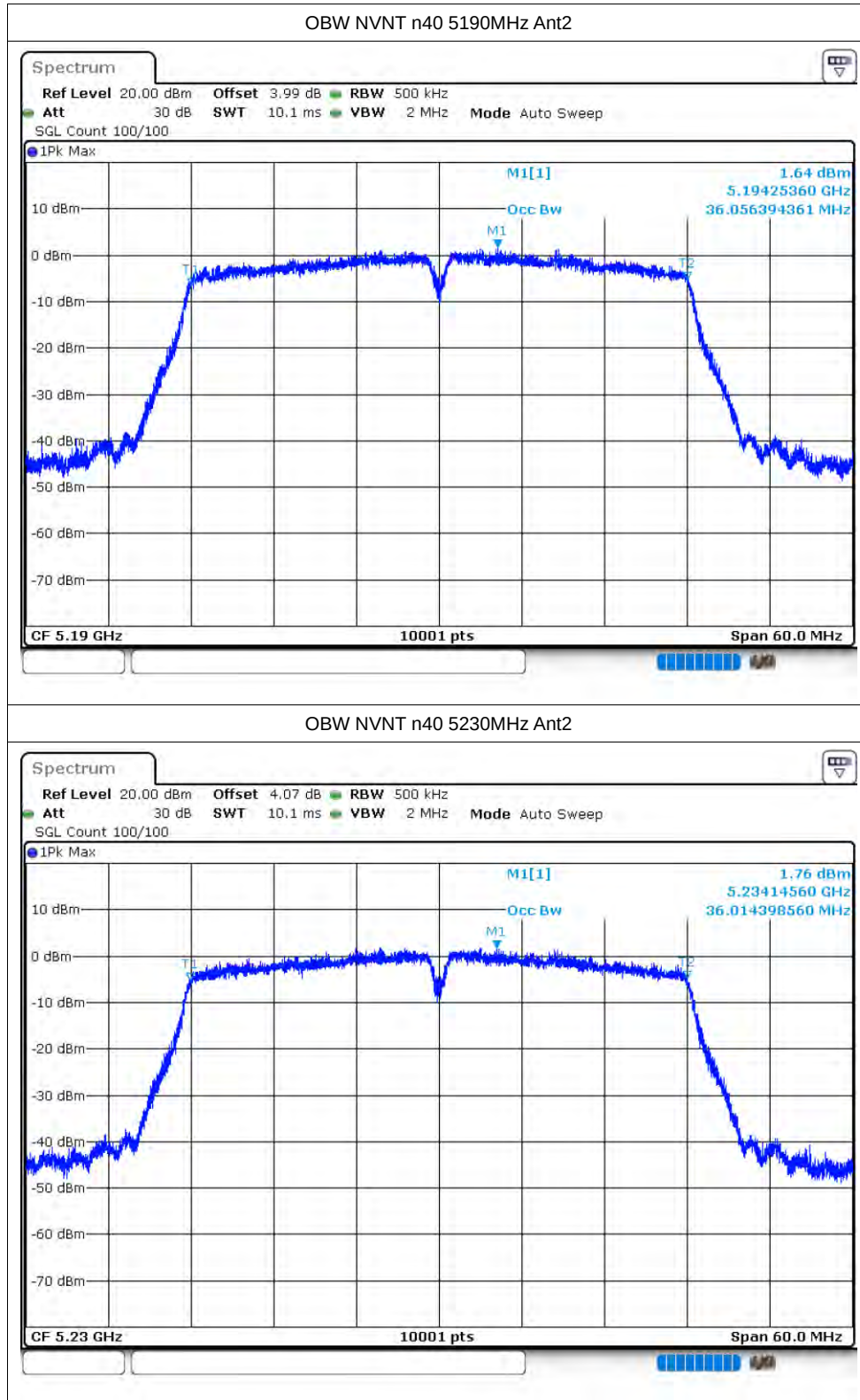


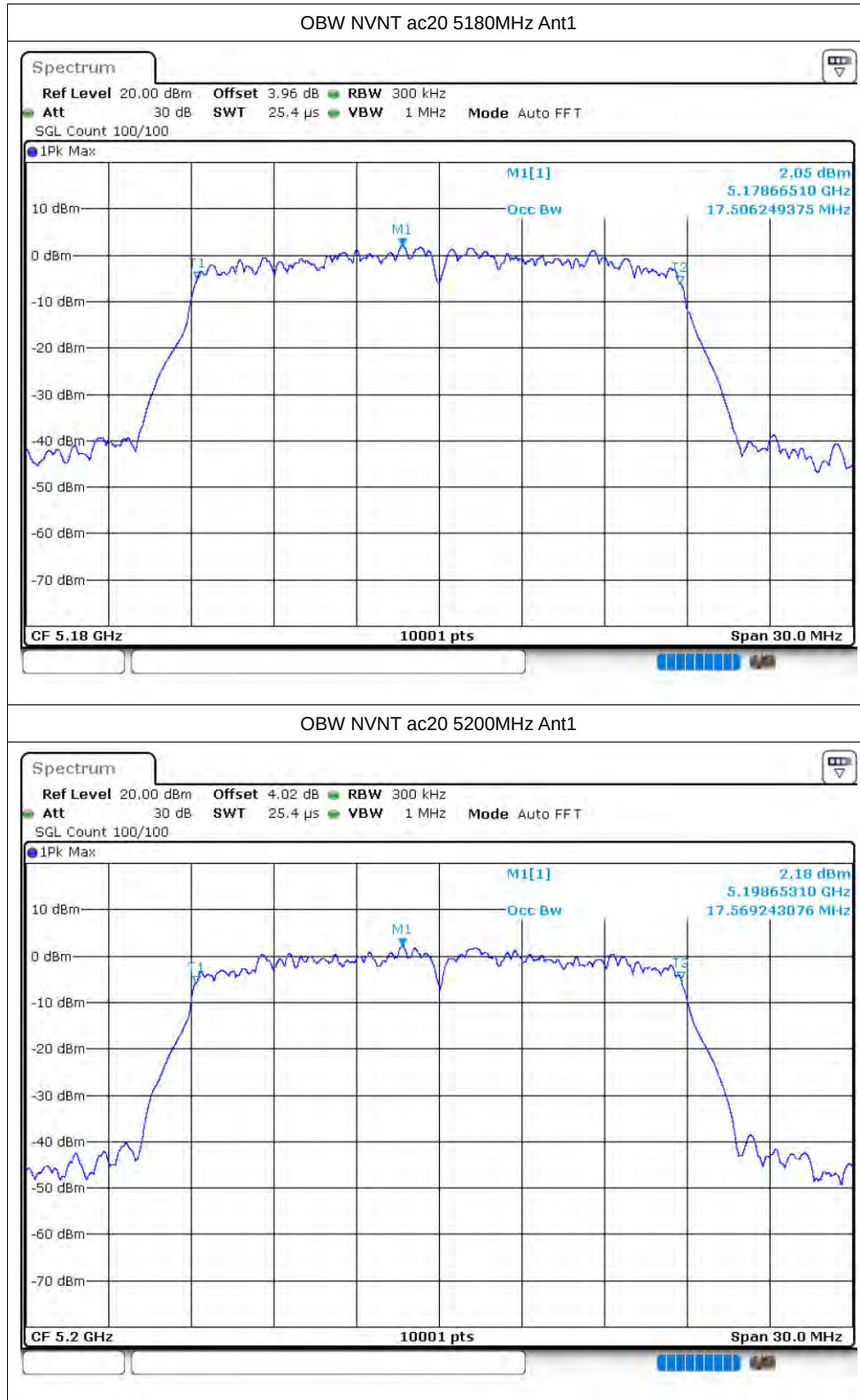




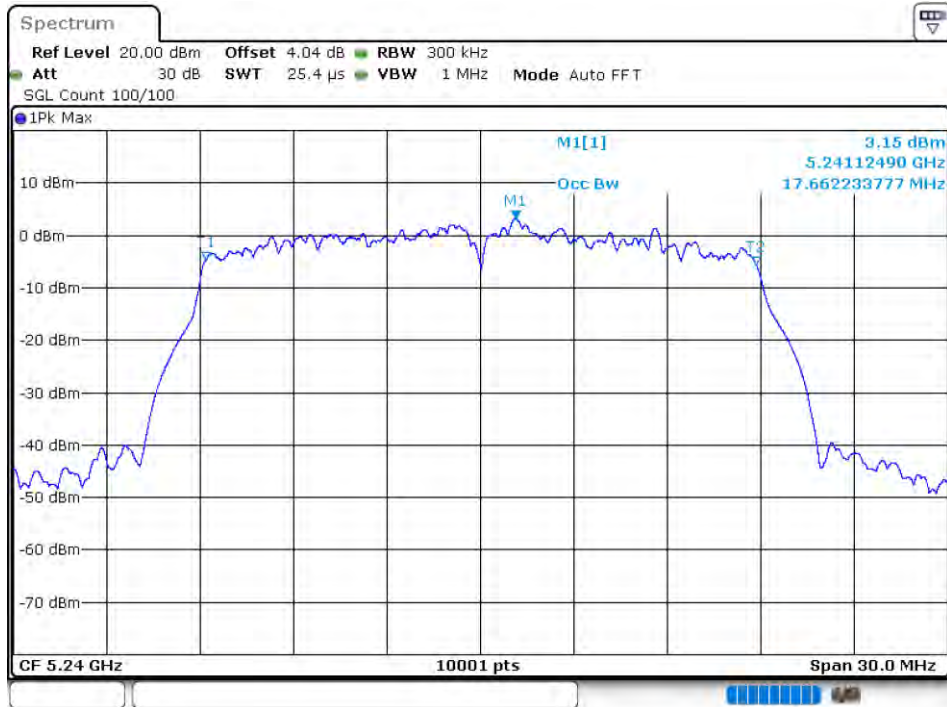




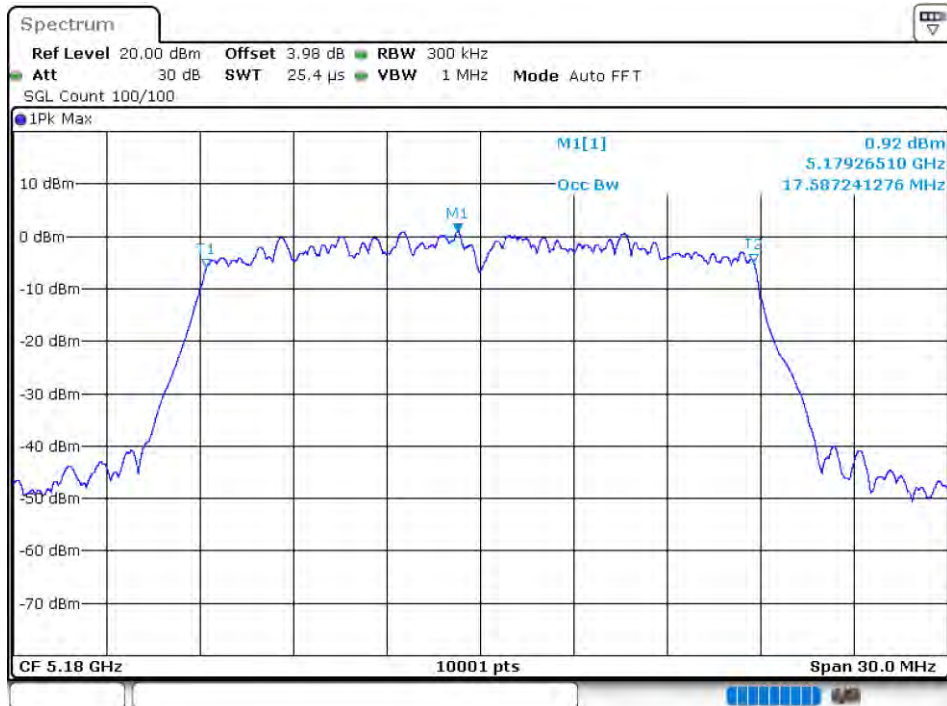




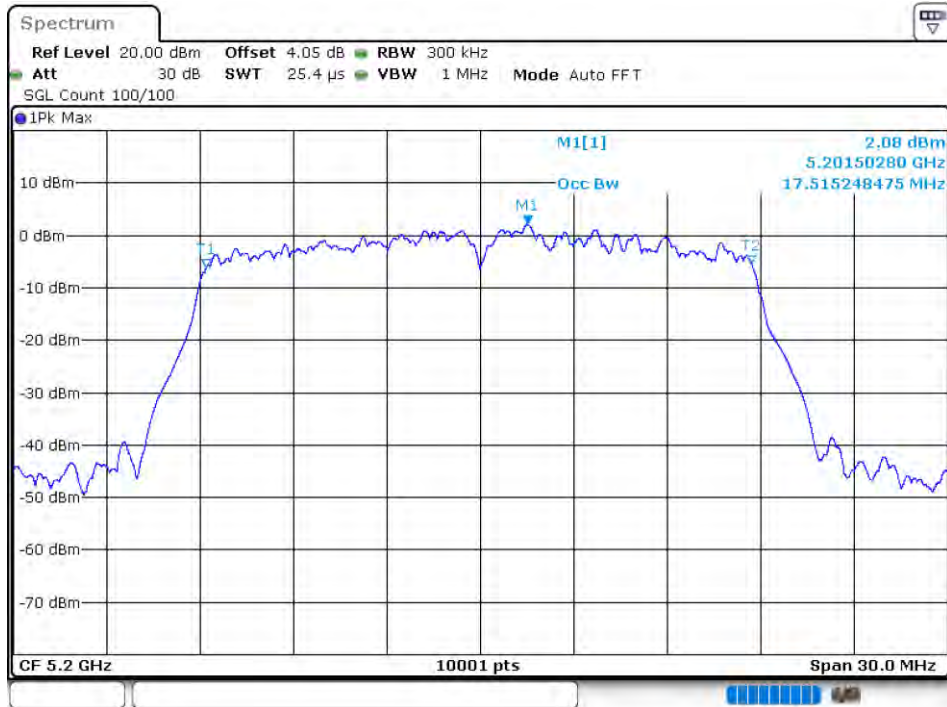
OBW NVNT ac20 5240MHz Ant1



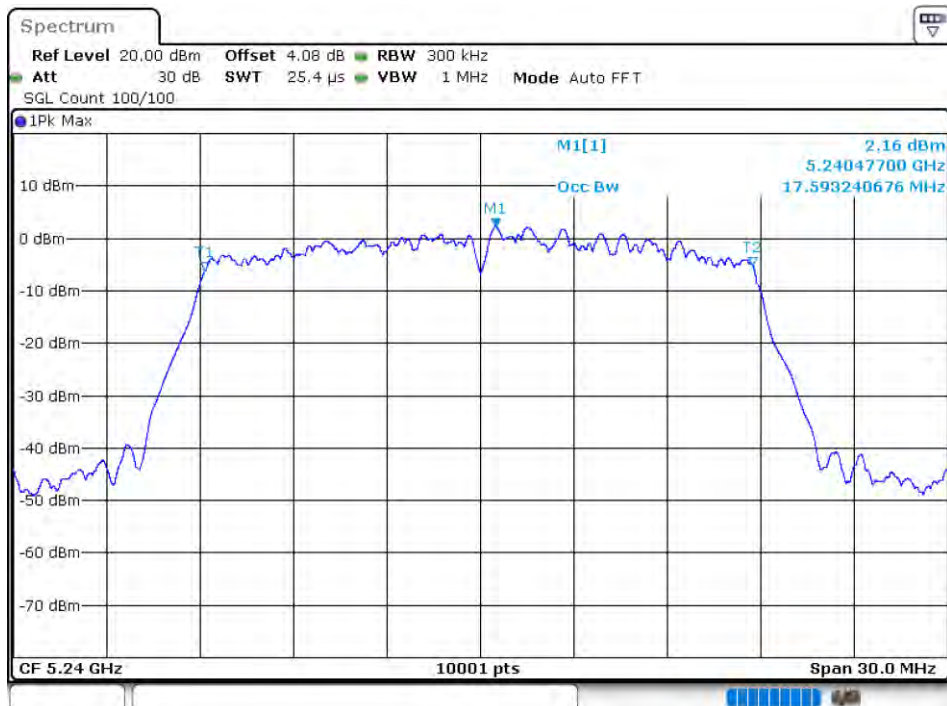
OBW NVNT ac20 5180MHz Ant2



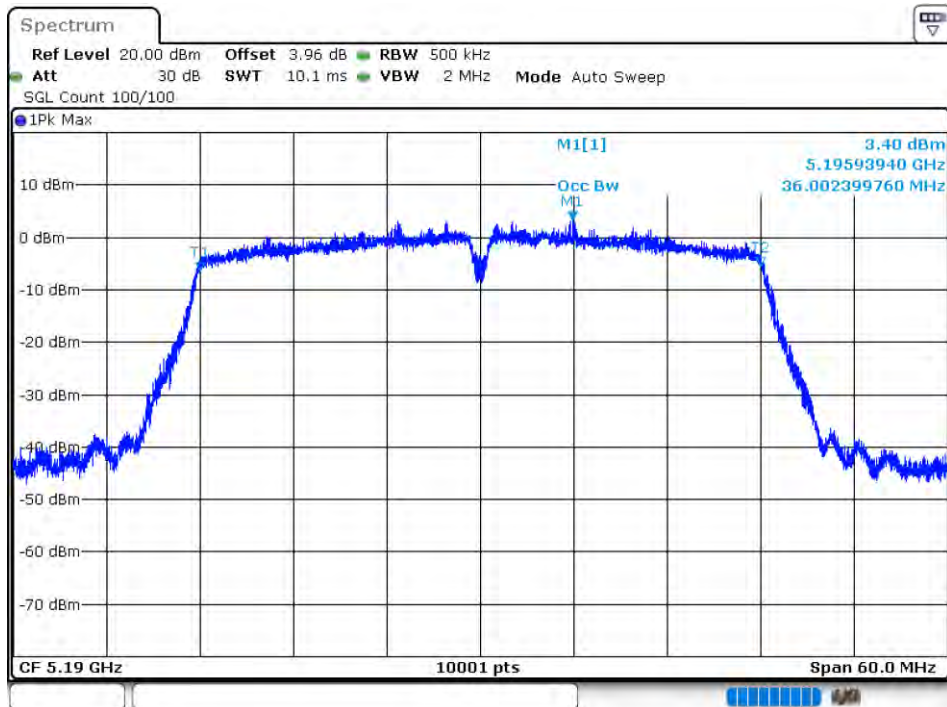
OBW NVNT ac20 5200MHz Ant2



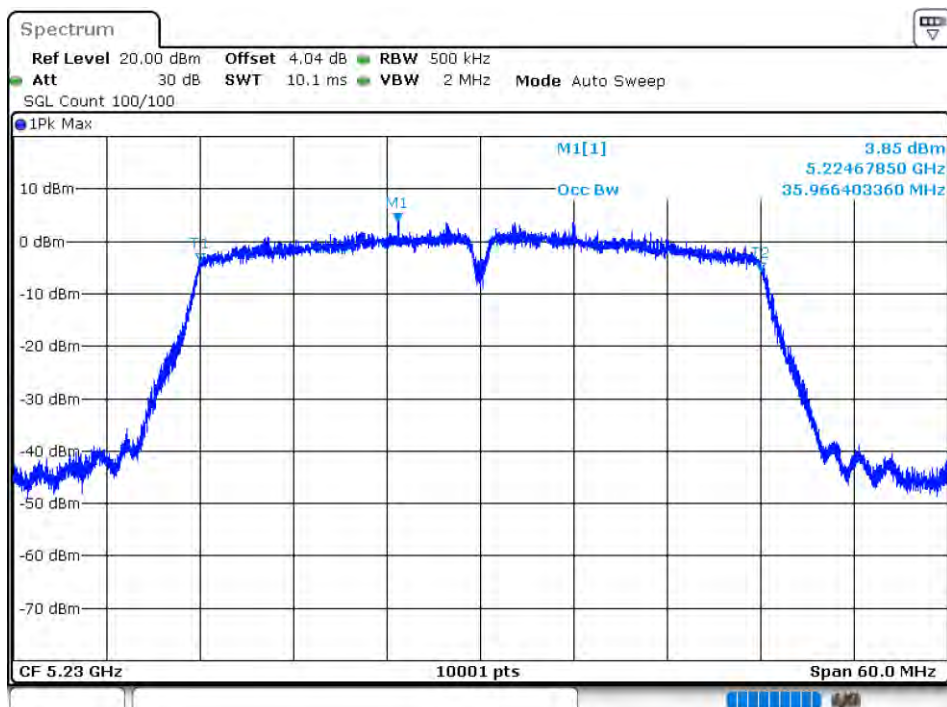
OBW NVNT ac20 5240MHz Ant2

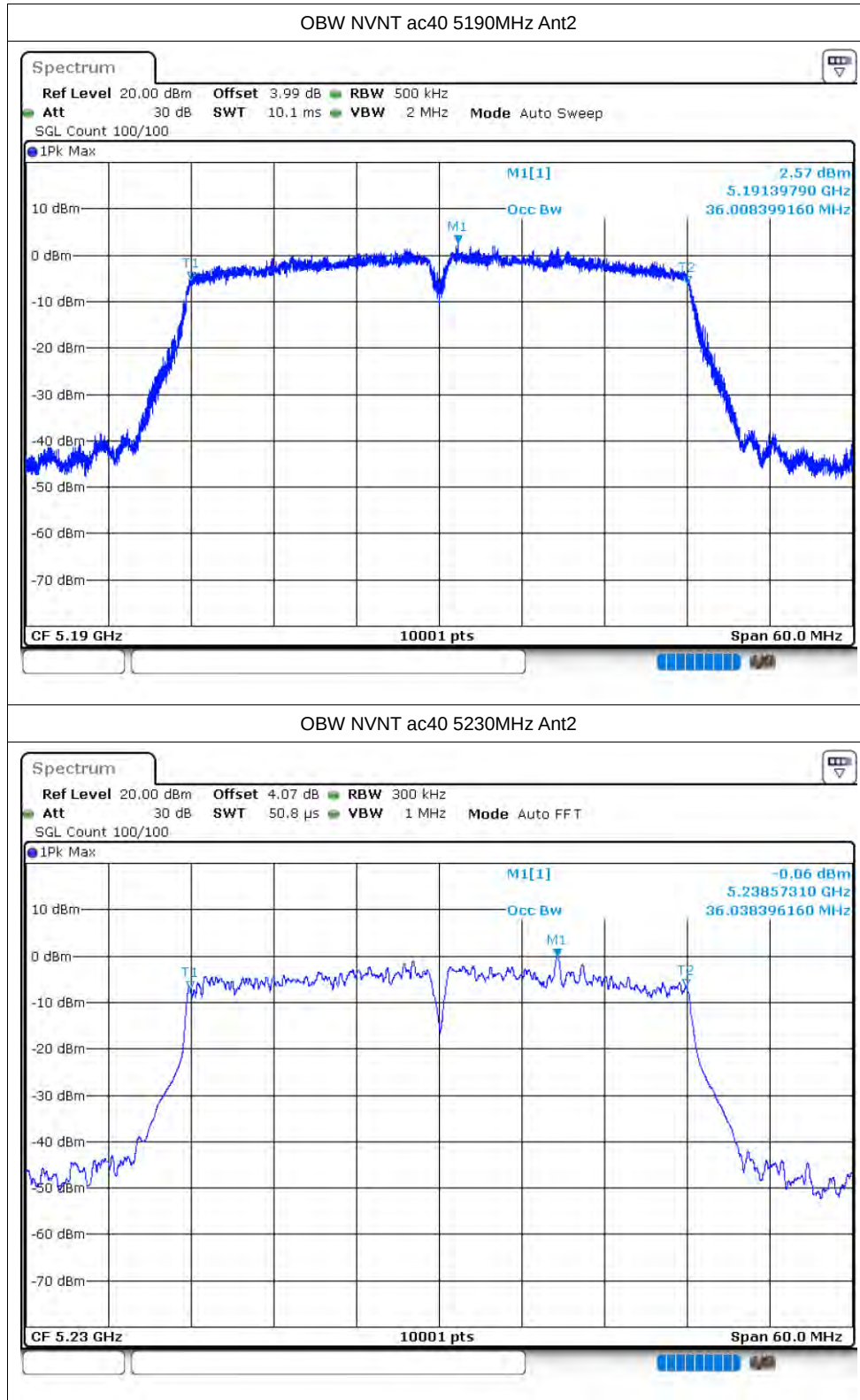


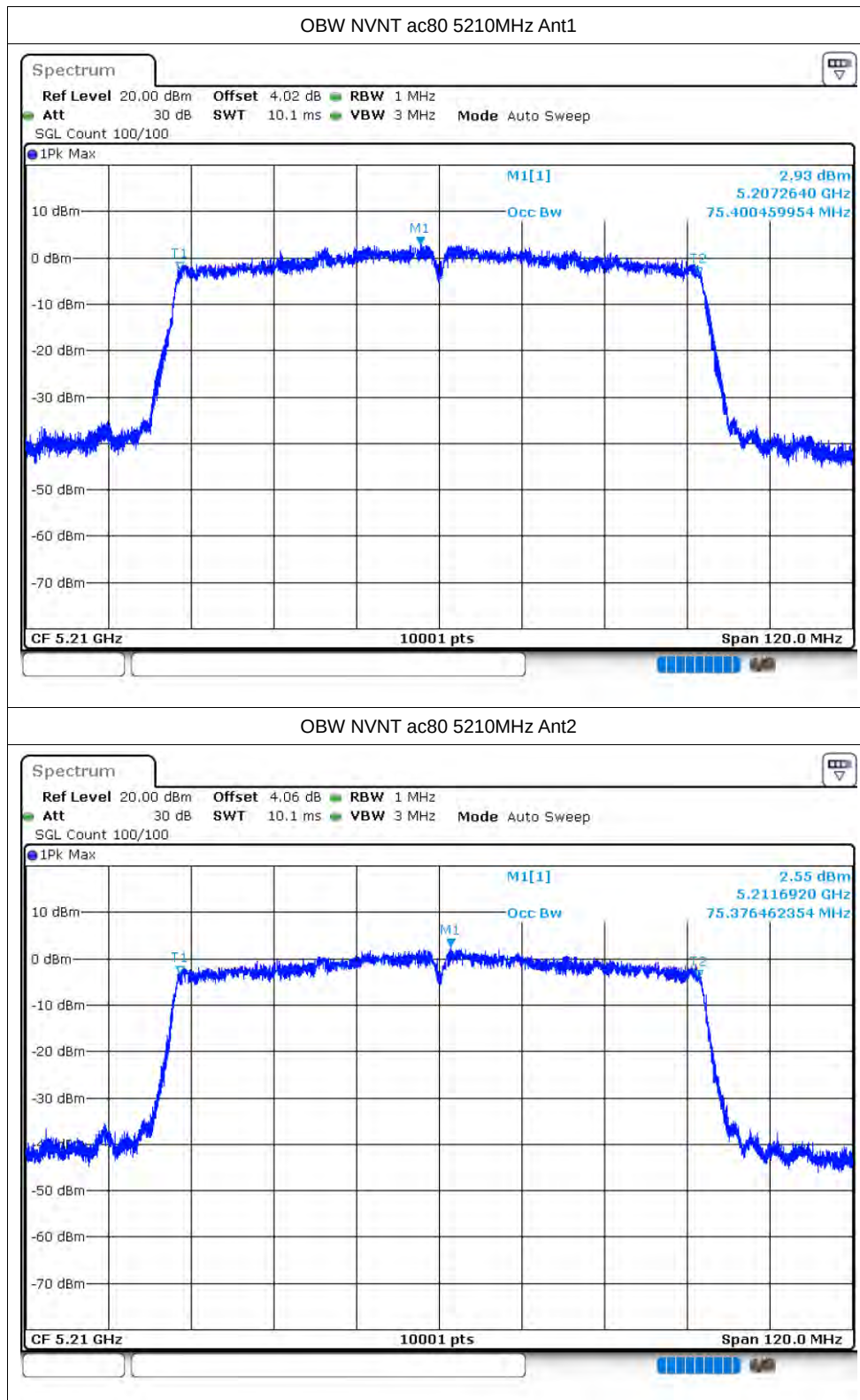
OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1





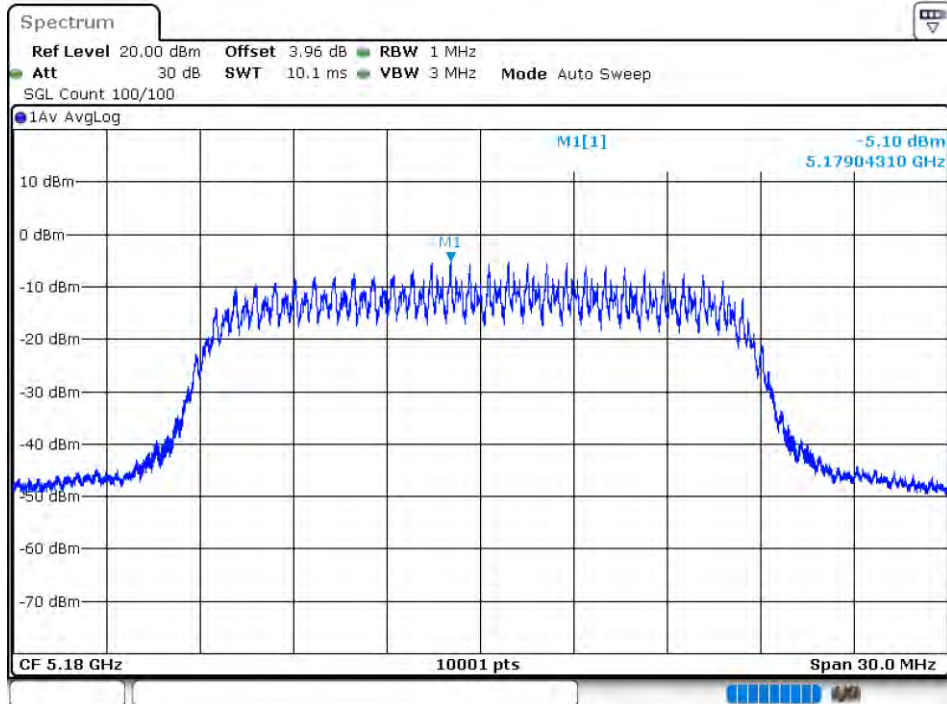


Maximum Power Spectral Density Level

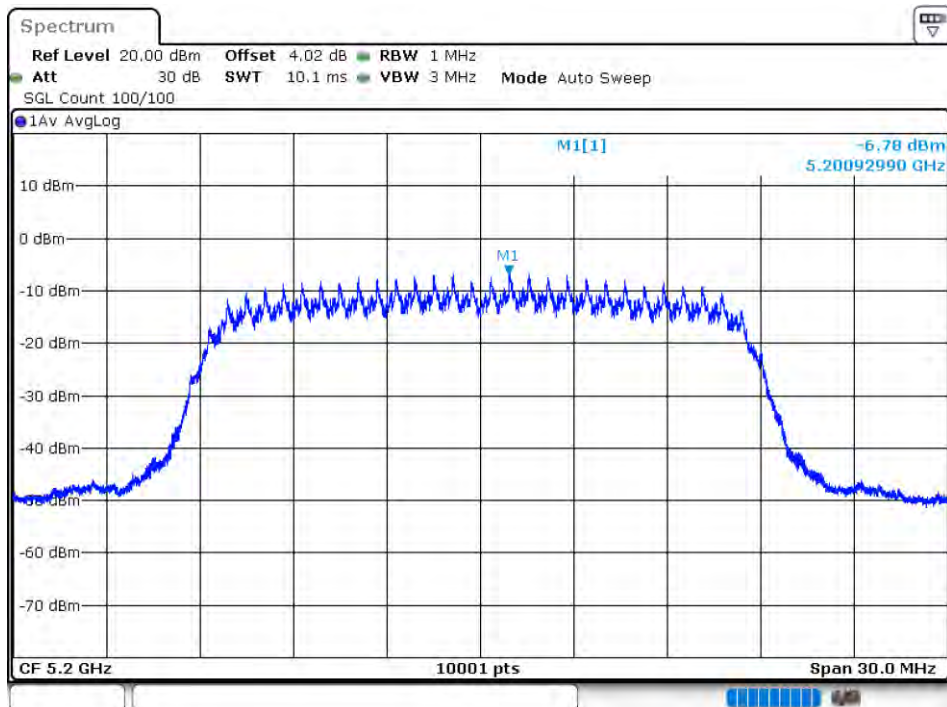
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-5.1	0.73	-4.37	11	Pass
NVNT	a	5200	Ant1	-6.78	0.73	-6.05	11	Pass
NVNT	a	5240	Ant1	-5.9	0.73	-5.17	11	Pass
NVNT	a	5180	Ant2	-9.05	0.73	-8.32	11	Pass
NVNT	a	5200	Ant2	-7.13	0.72	-6.41	11	Pass
NVNT	a	5240	Ant2	-5.31	0.72	-4.59	11	Pass
NVNT	n20	5180	Ant1	-8.66	0.77	-7.89	11	Pass
NVNT	n20	5200	Ant1	-8.05	0.77	-7.28	11	Pass
NVNT	n20	5240	Ant1	-8.61	0.77	-7.84	11	Pass
NVNT	n20	5180	Ant2	-7.96	0.77	-7.19	11	Pass
NVNT	n20	5200	Ant2	-7.37	0.77	-6.6	11	Pass
NVNT	n20	5240	Ant2	-8.22	0.77	-7.45	11	Pass
NVNT	n40	5190	Ant1	-14.22	1.17	-13.05	11	Pass
NVNT	n40	5230	Ant1	-13	1.1	-11.9	11	Pass
NVNT	n40	5190	Ant2	-15.89	1.46	-14.43	11	Pass
NVNT	n40	5230	Ant2	-14.16	1.44	-12.72	11	Pass
NVNT	ac20	5180	Ant1	-5.69	0.76	-4.93	11	Pass
NVNT	ac20	5200	Ant1	-4.86	0.76	-4.1	11	Pass
NVNT	ac20	5240	Ant1	-8.63	0.76	-7.87	11	Pass
NVNT	ac20	5180	Ant2	-9.05	0.76	-8.29	11	Pass
NVNT	ac20	5200	Ant2	-7.36	0.76	-6.6	11	Pass
NVNT	ac20	5240	Ant2	-9.08	0.76	-8.32	11	Pass
NVNT	ac40	5190	Ant1	-12.69	1.07	-11.62	11	Pass
NVNT	ac40	5230	Ant1	-13.85	1.13	-12.72	11	Pass
NVNT	ac40	5190	Ant2	-14.83	1.42	-13.41	11	Pass
NVNT	ac40	5230	Ant2	-16.15	1.45	-14.7	11	Pass
NVNT	ac80	5210	Ant1	-20.07	1.46	-18.61	11	Pass
NVNT	ac80	5210	Ant2	-17.69	1.91	-15.78	11	Pass

Test Graphs

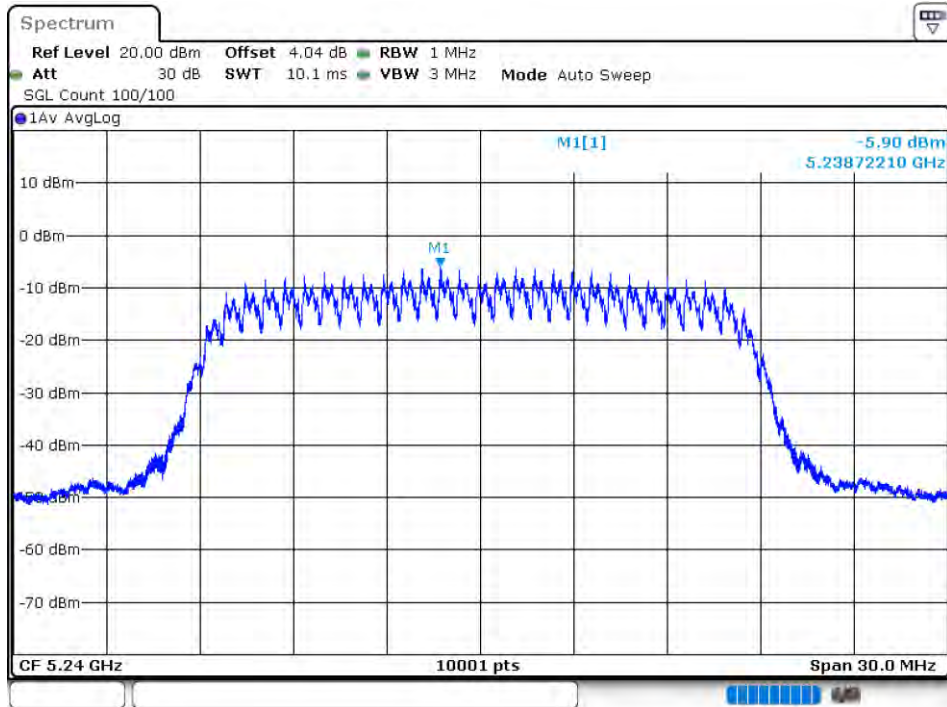
PSD NVNT a 5180MHz Ant1



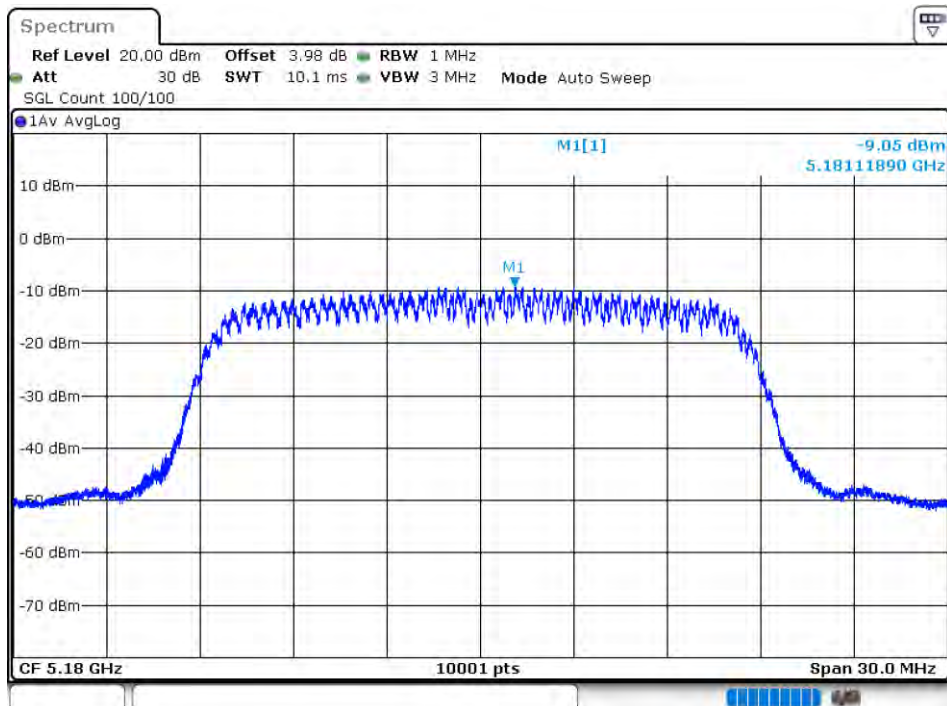
PSD NVNT a 5200MHz Ant1



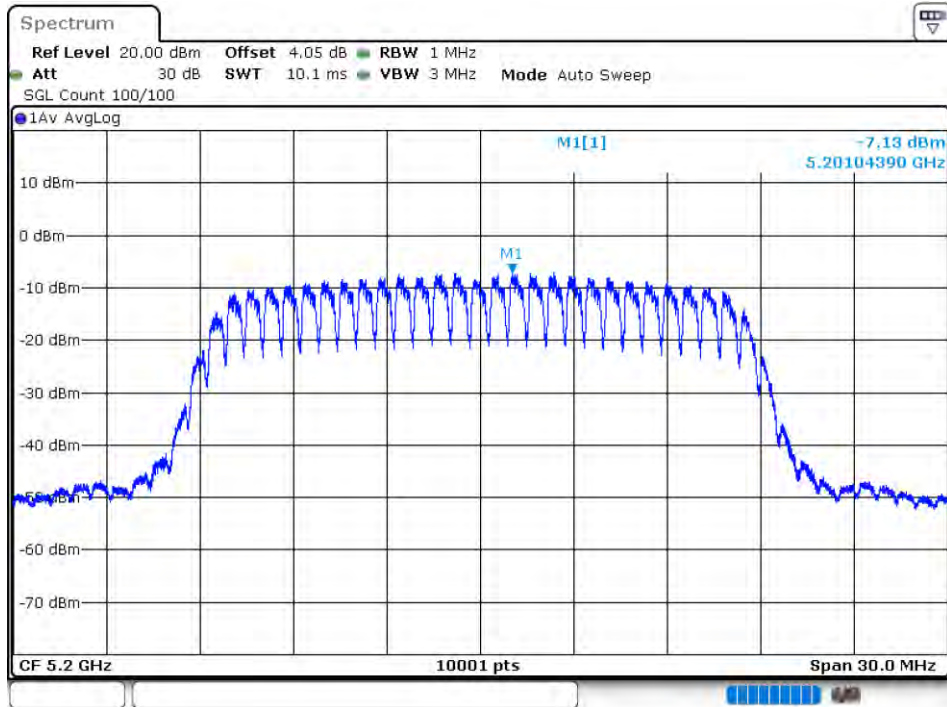
PSD NVNT a 5240MHz Ant1



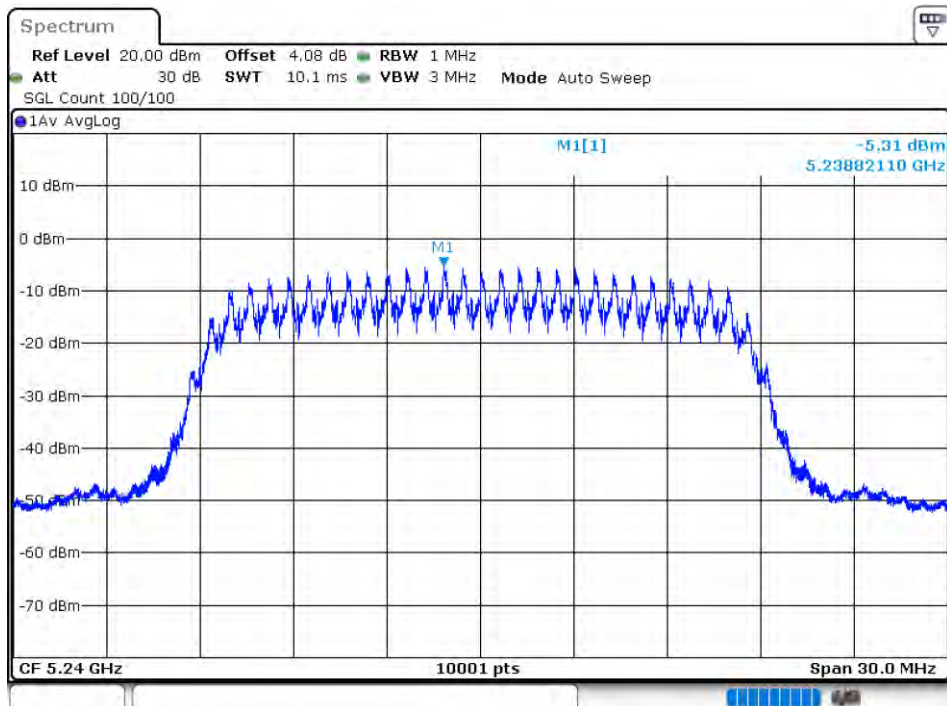
PSD NVNT a 5180MHz Ant2

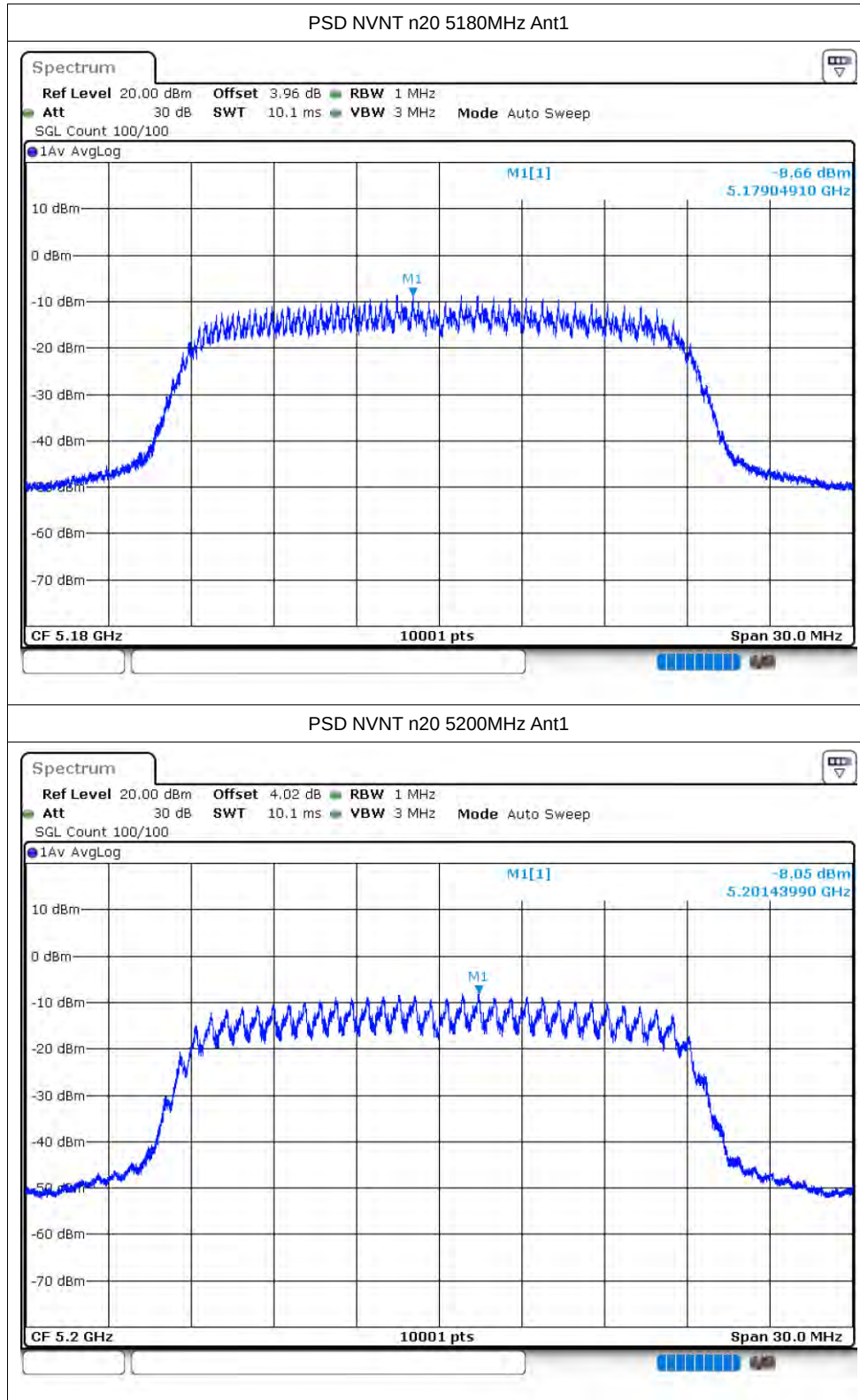


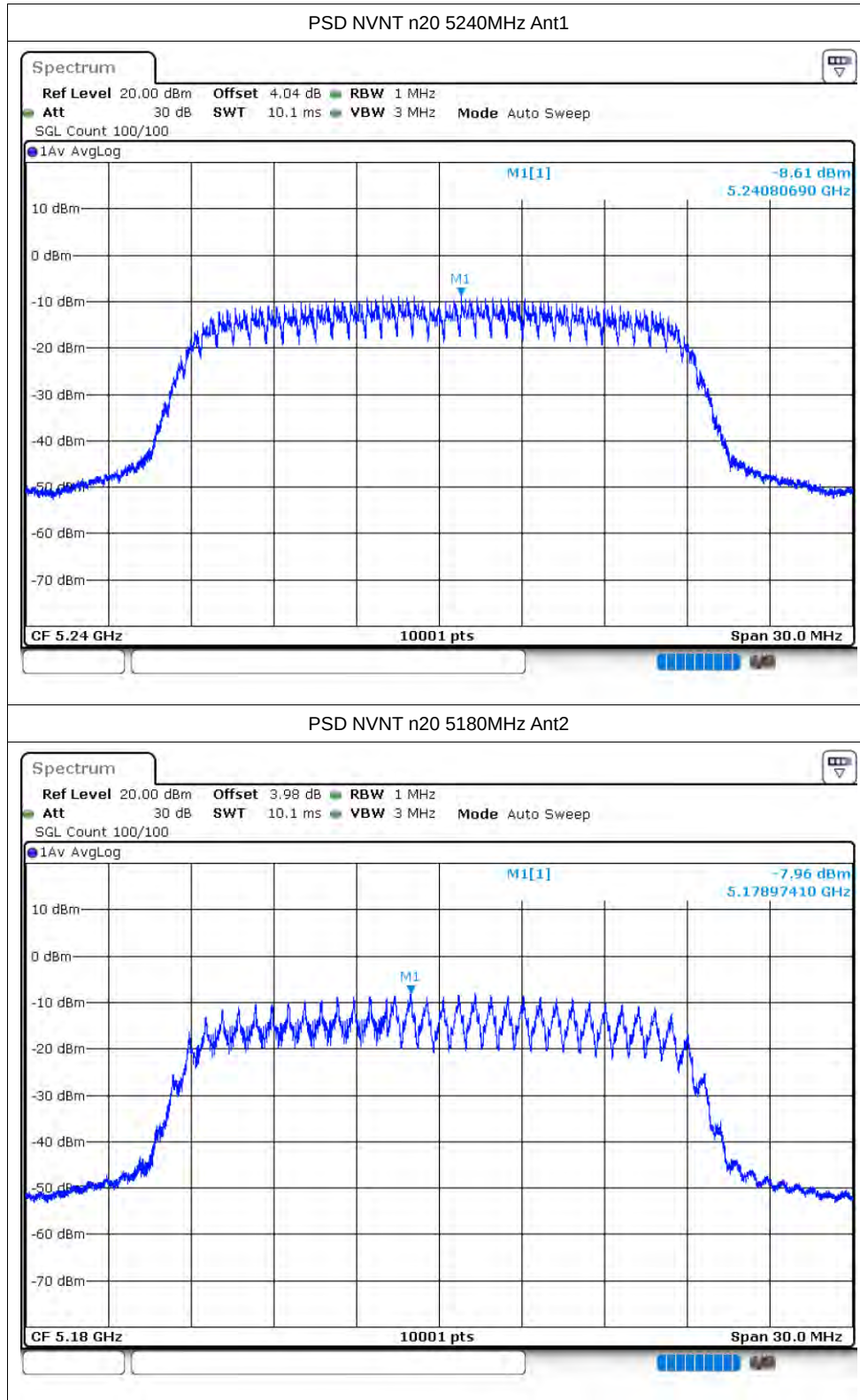
PSD NVNT a 5200MHz Ant2

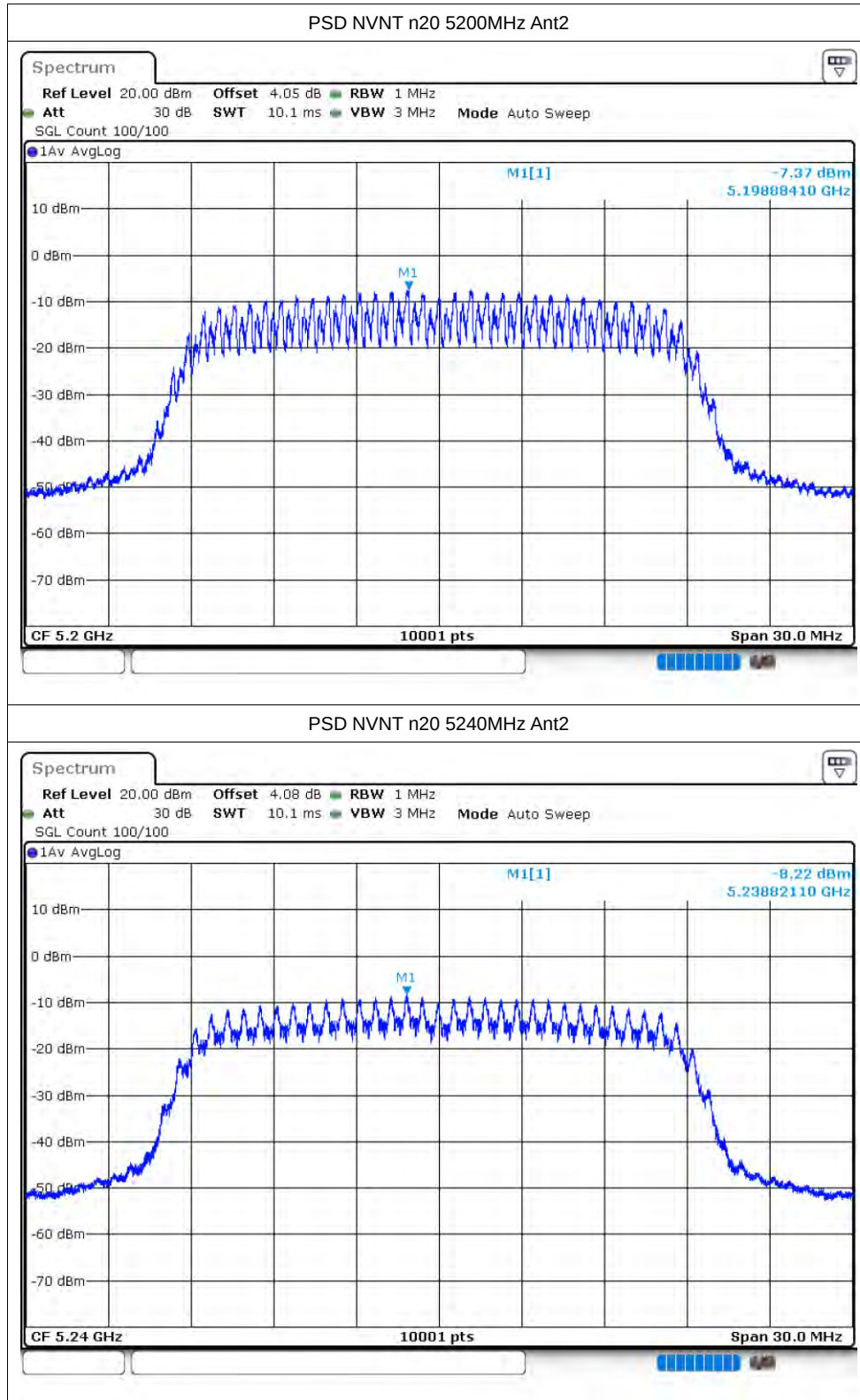


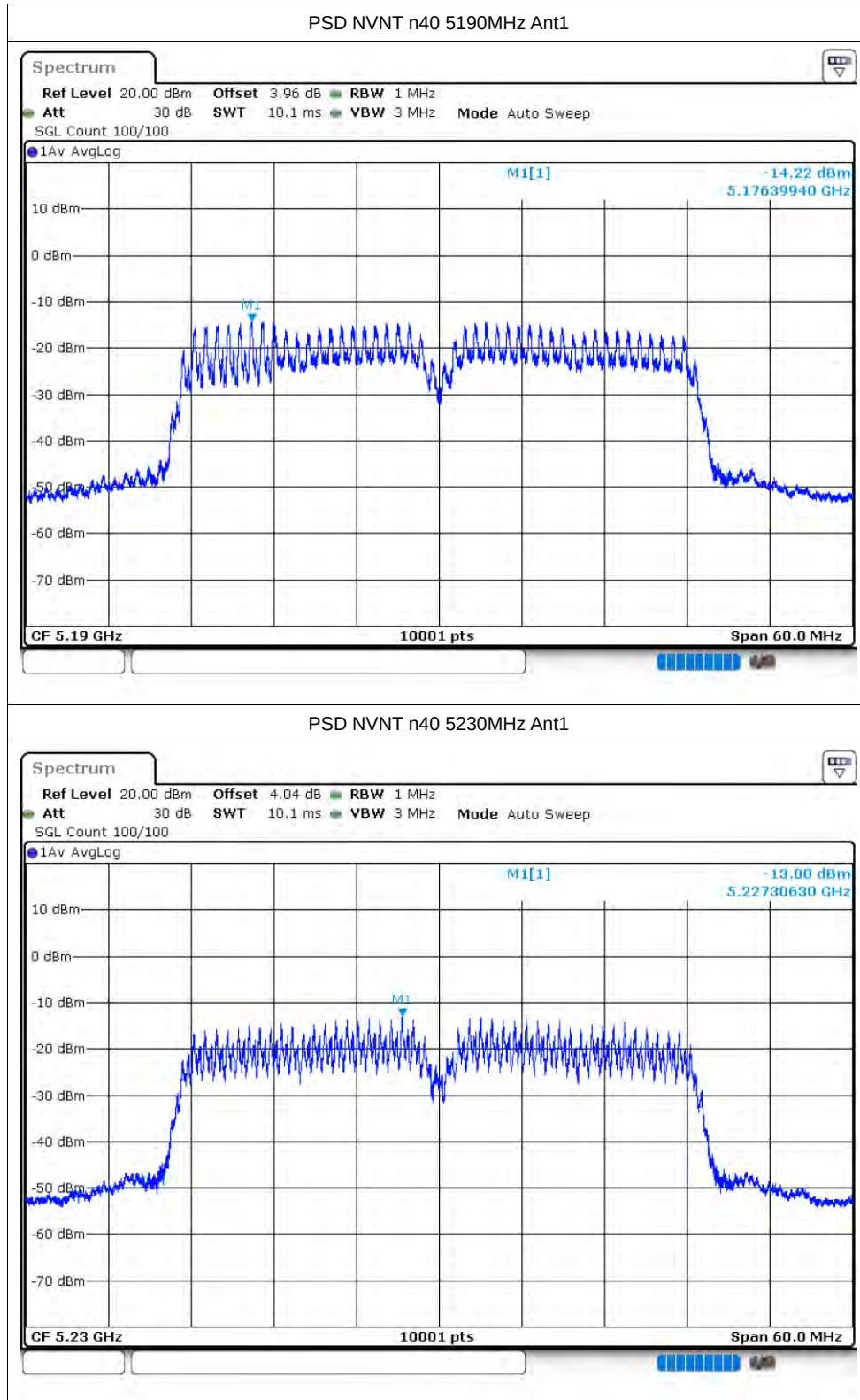
PSD NVNT a 5240MHz Ant2

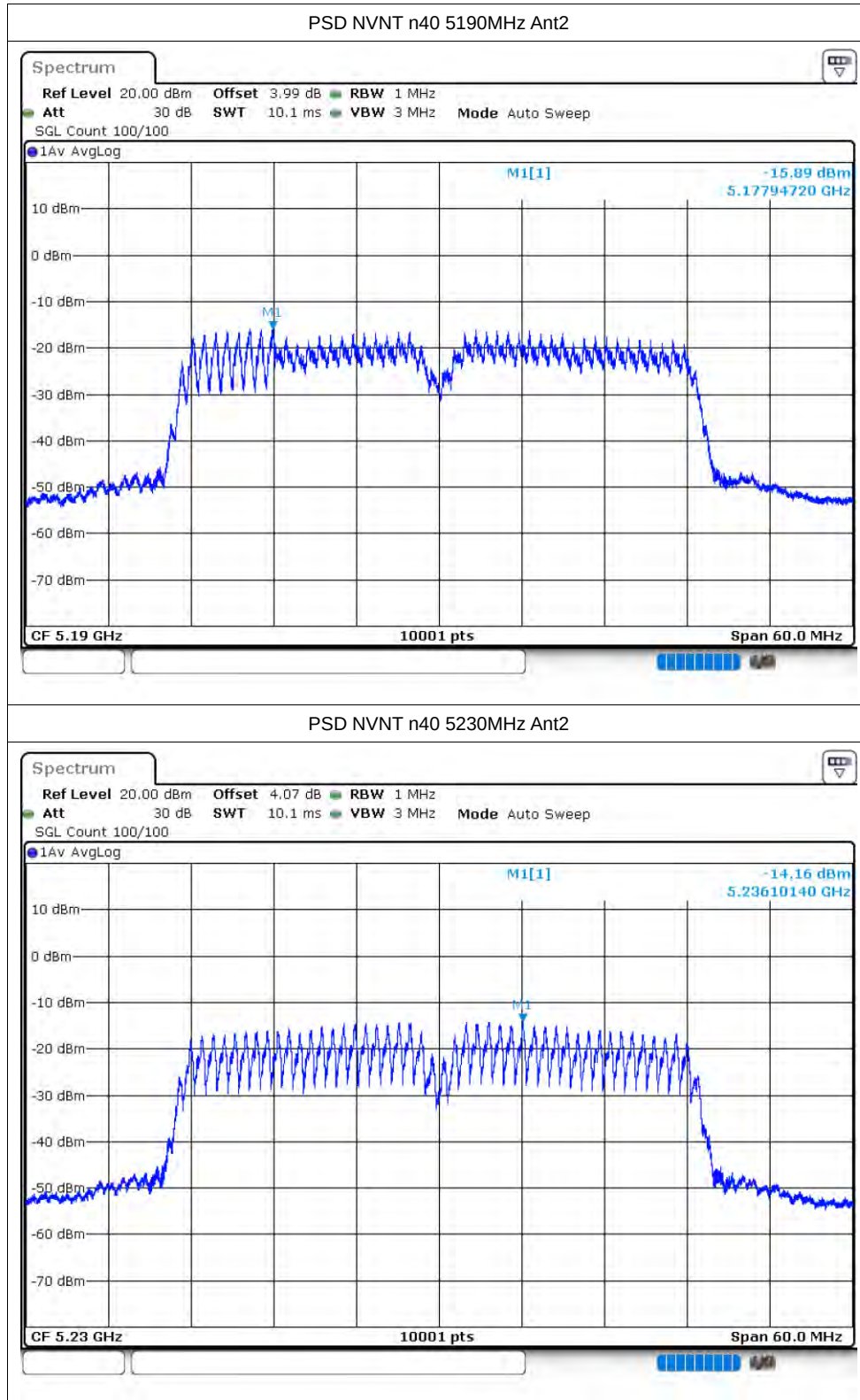


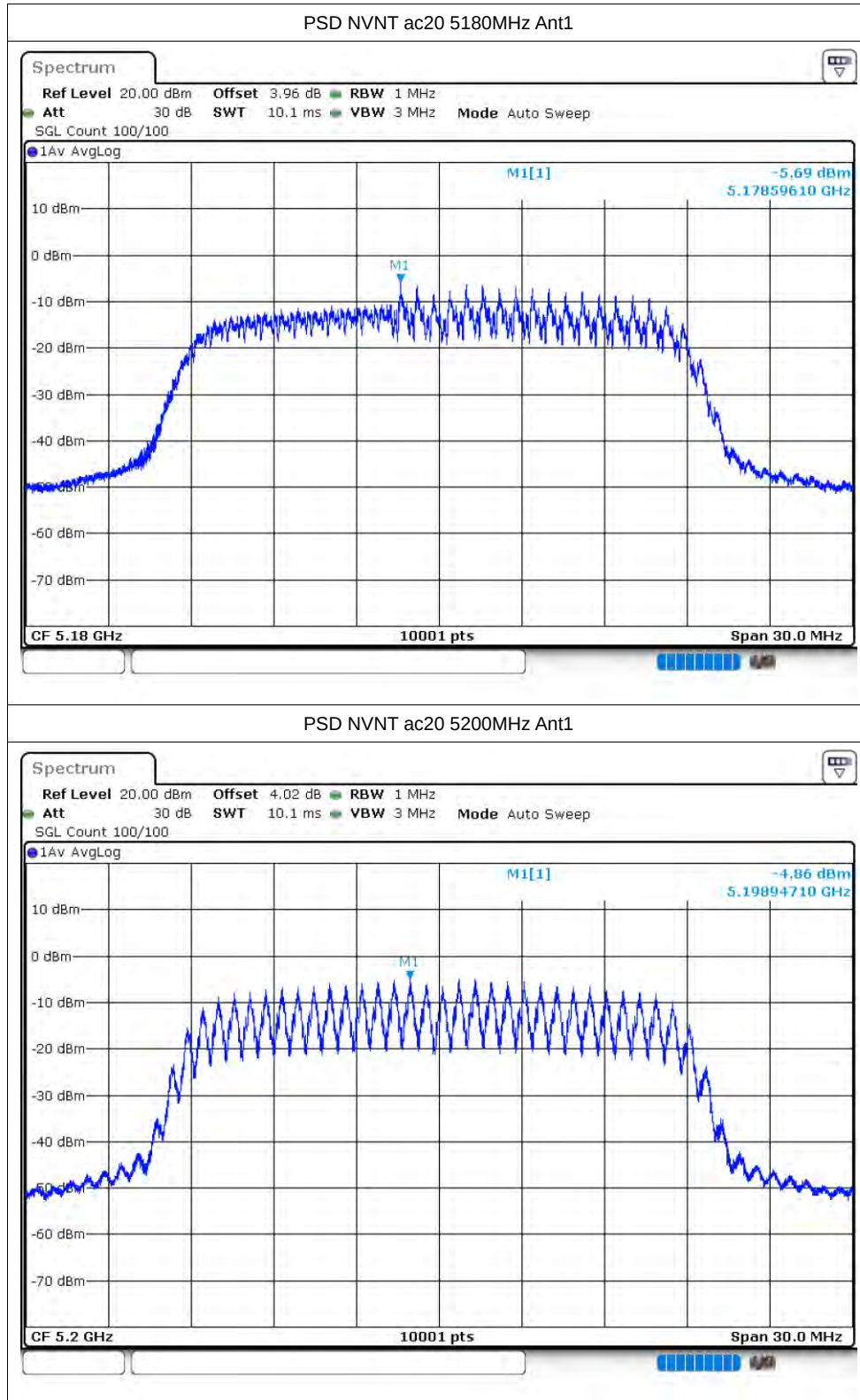




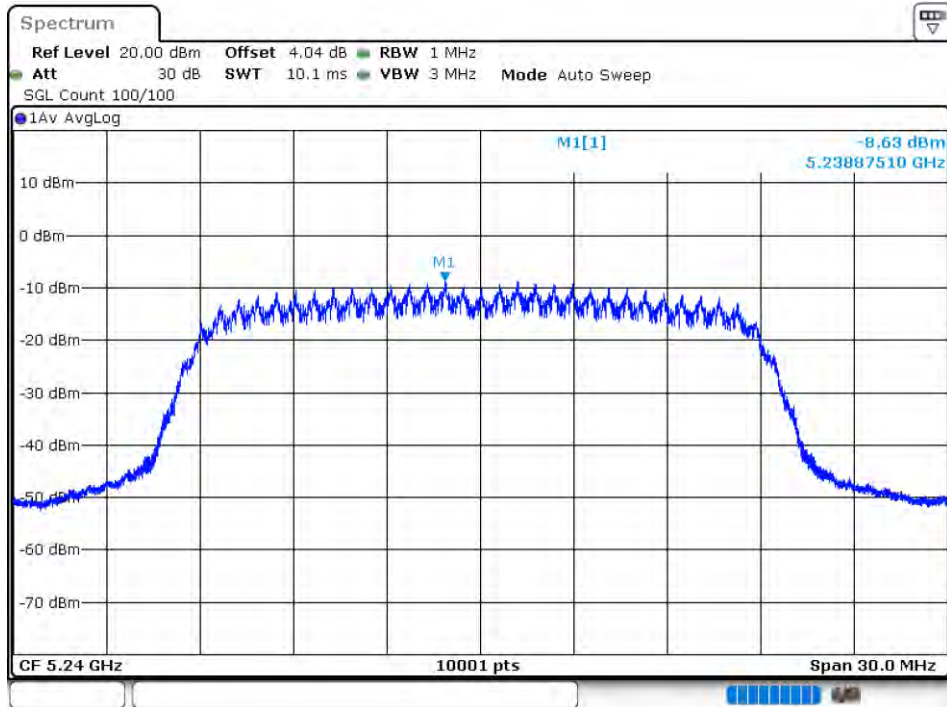




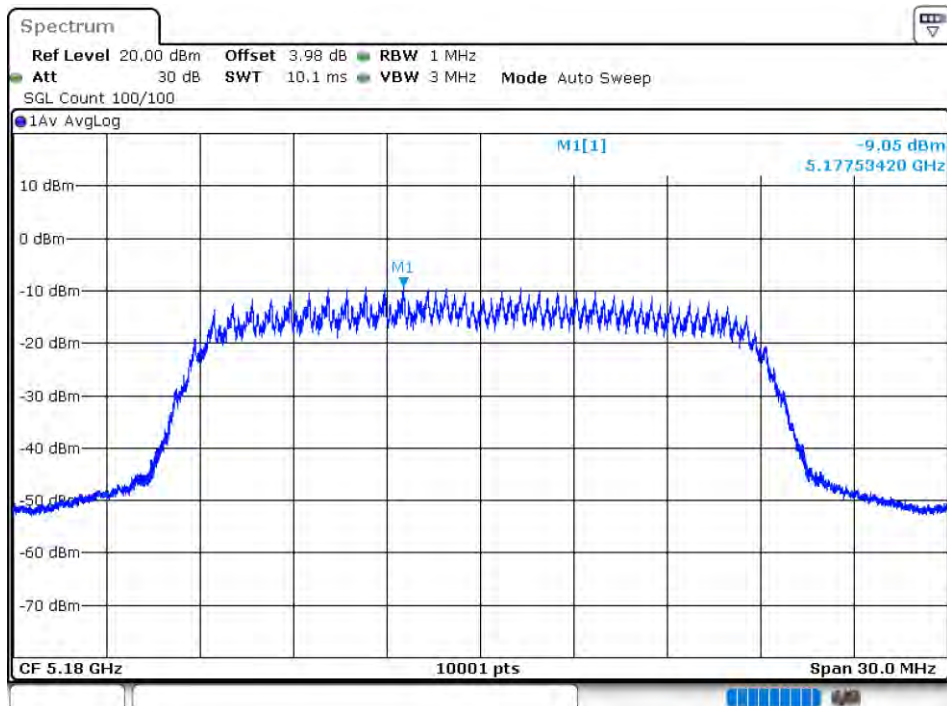


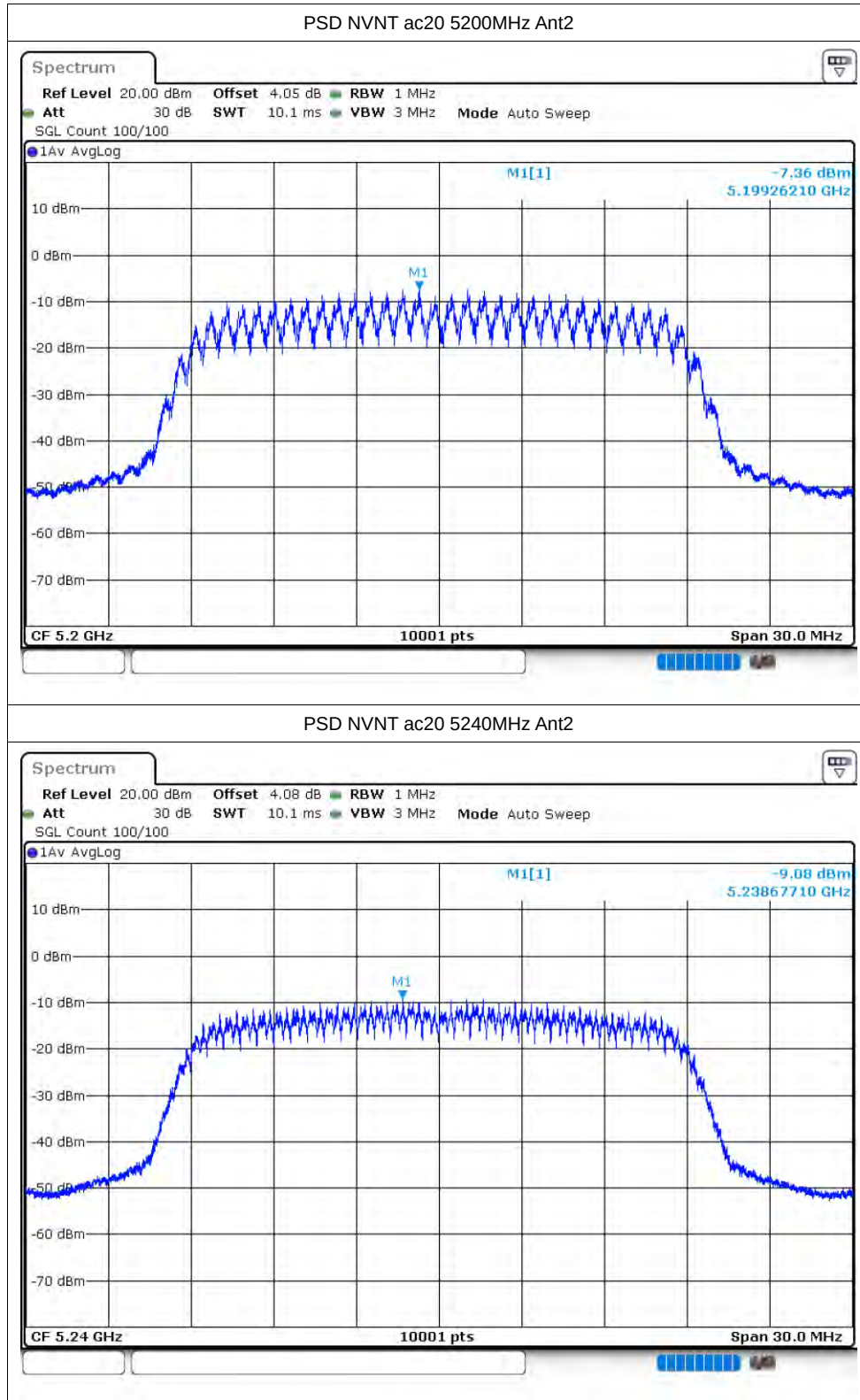


PSD NVNT ac20 5240MHz Ant1

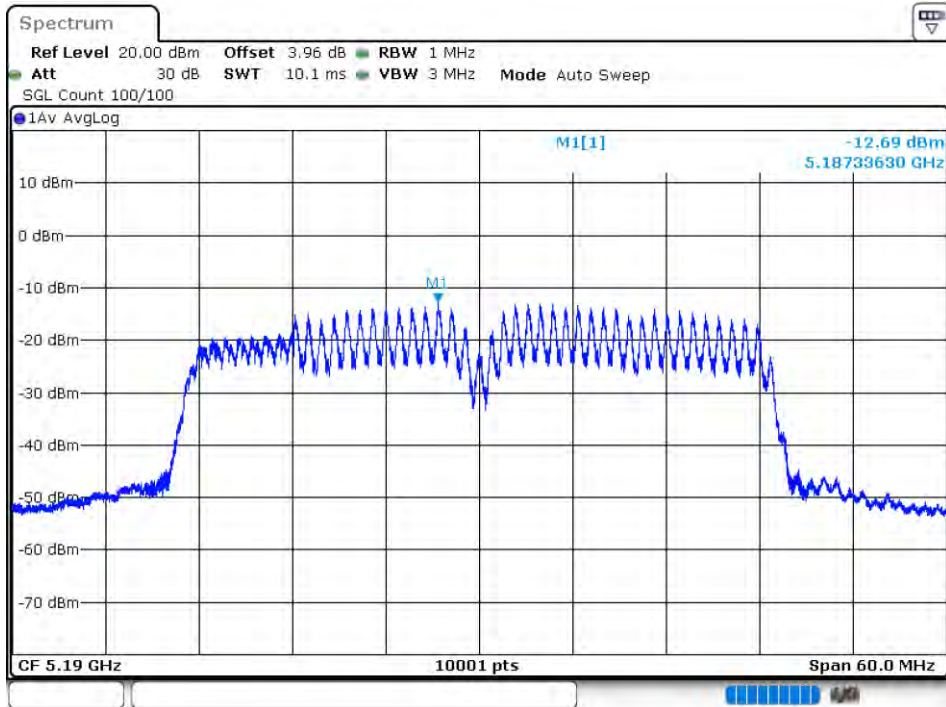


PSD NVNT ac20 5180MHz Ant2

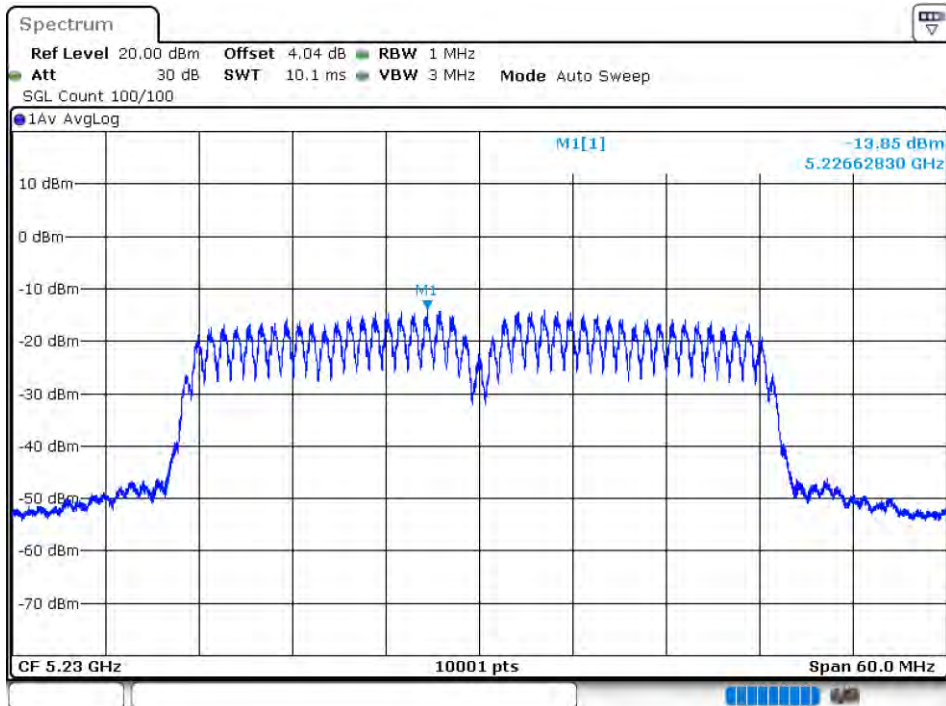




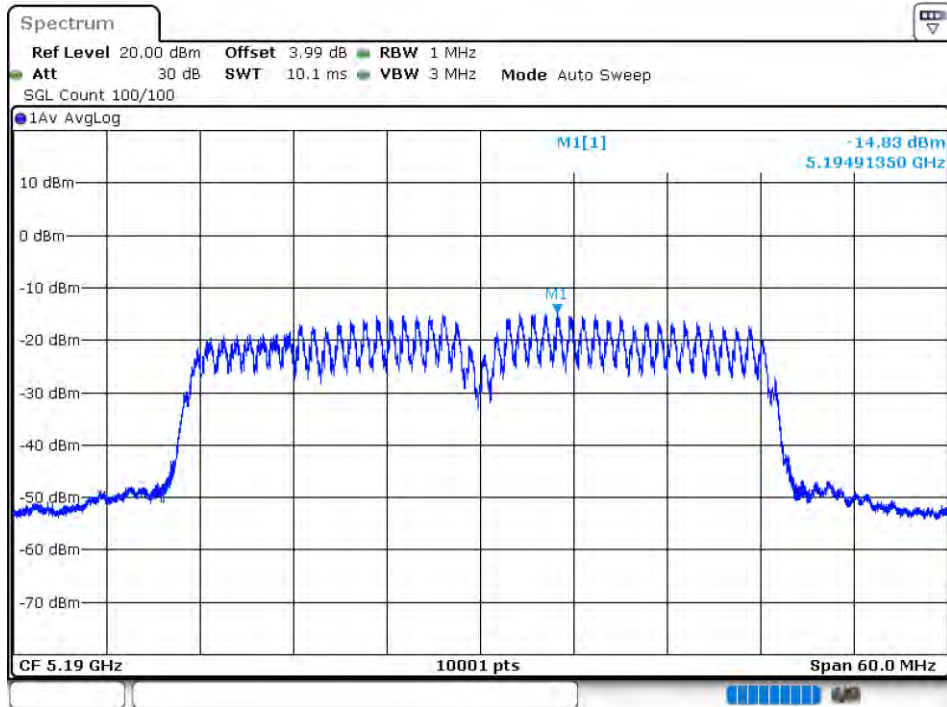
PSD NVNT ac40 5190MHz Ant1



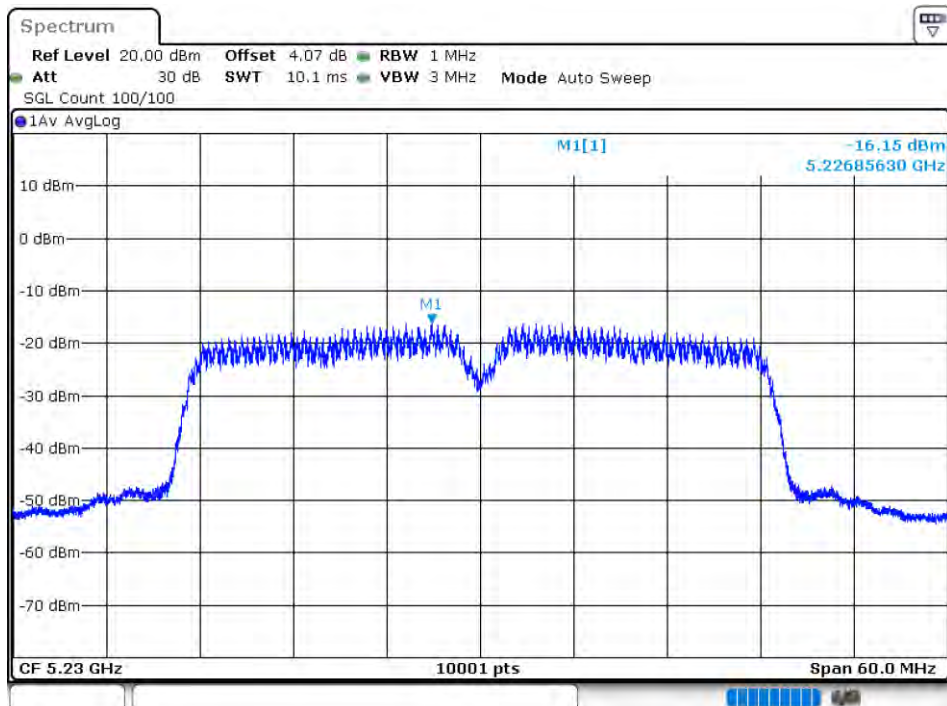
PSD NVNT ac40 5230MHz Ant1

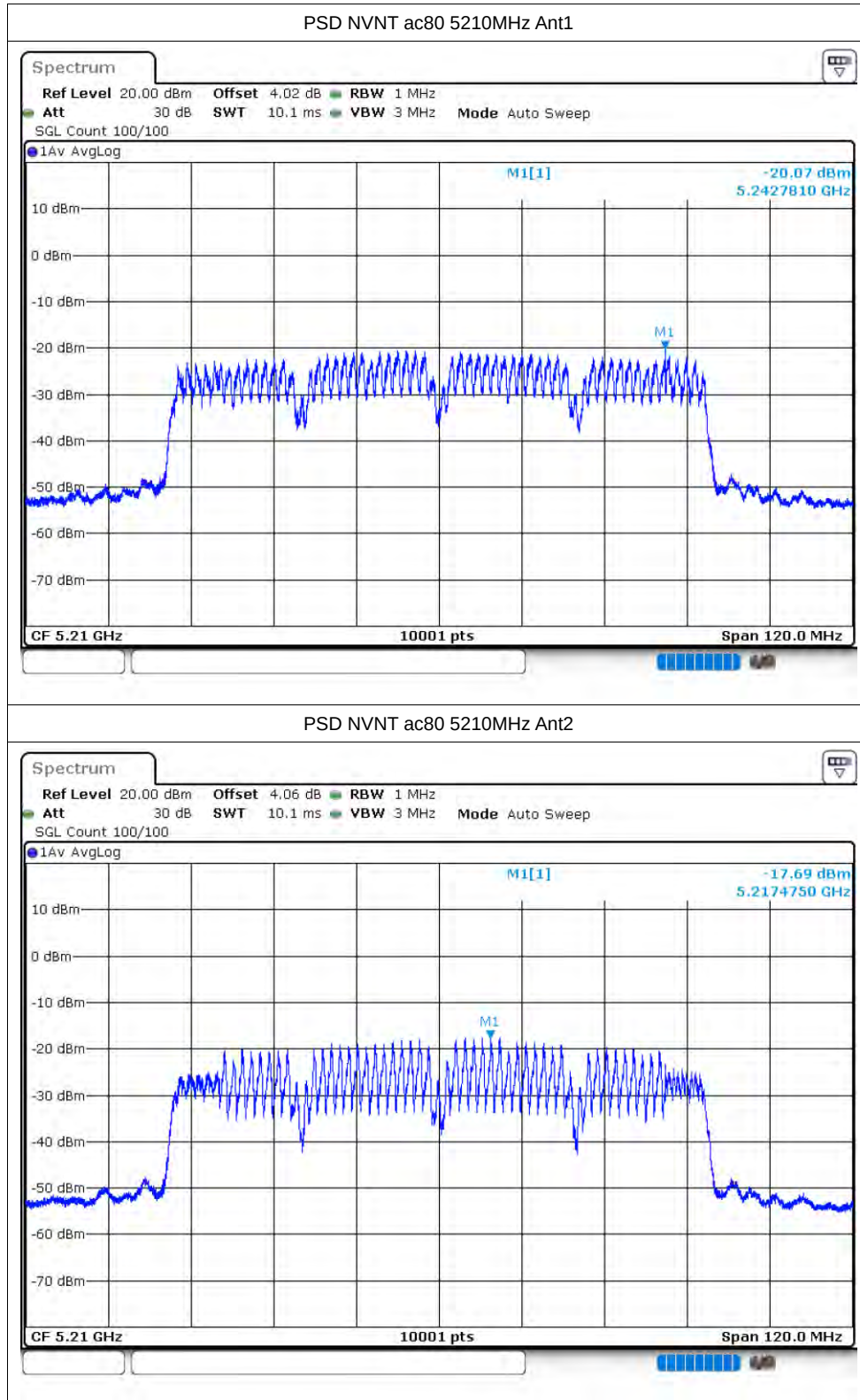


PSD NVNT ac40 5190MHz Ant2



PSD NVNT ac40 5230MHz Ant2



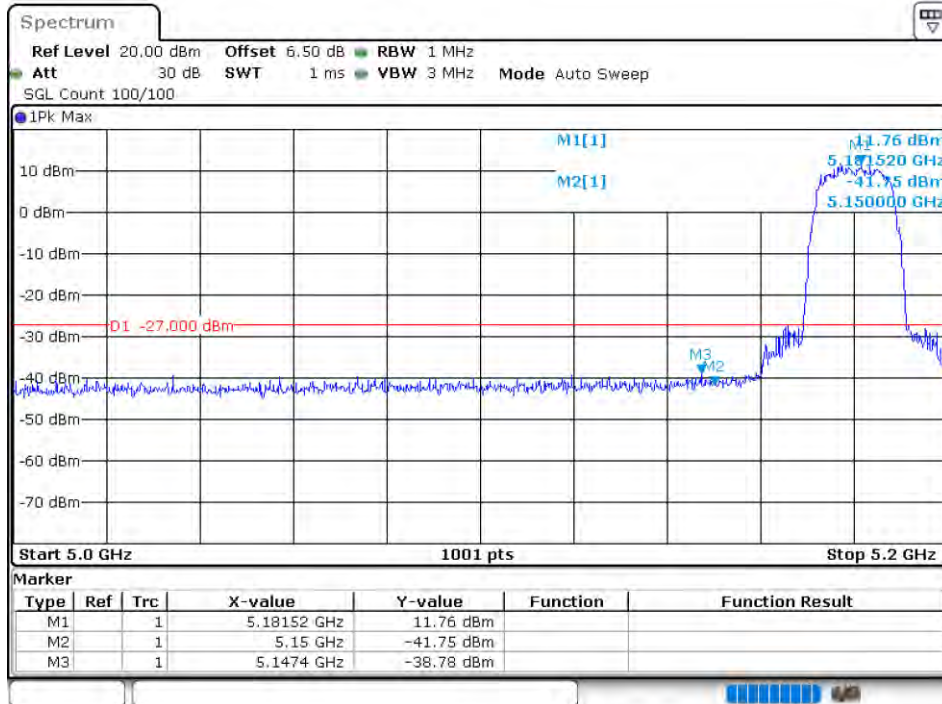


Band Edge

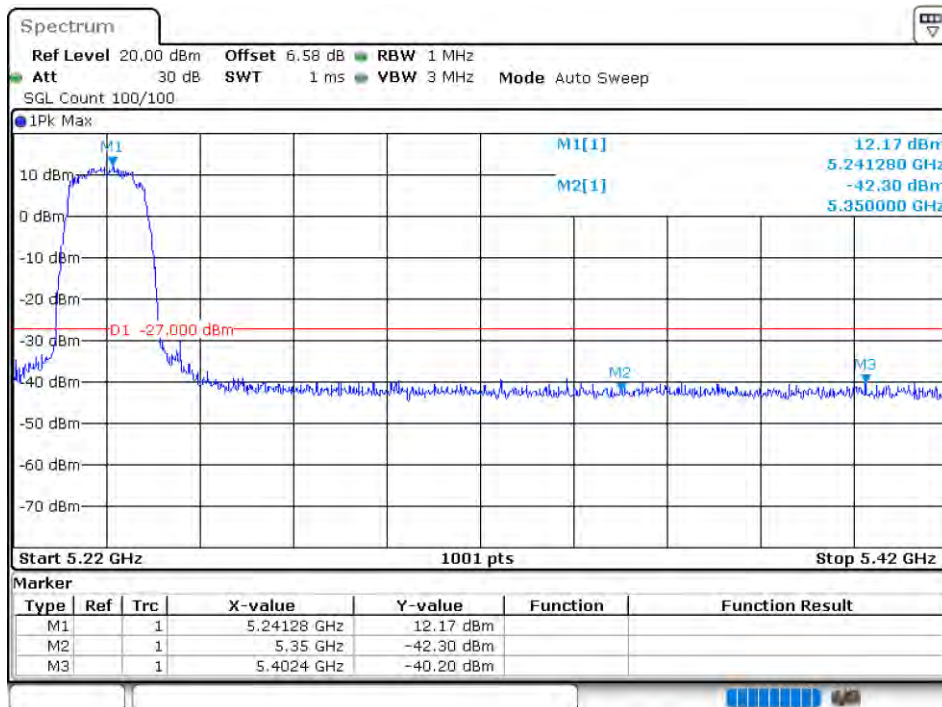
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-38.77	-27	Pass
NVNT	a	5240	Ant1	-40.19	-27	Pass
NVNT	a	5180	Ant2	-39.03	-27	Pass
NVNT	a	5240	Ant2	-40.08	-27	Pass
NVNT	n20	5180	Ant1	-39.27	-27	Pass
NVNT	n20	5240	Ant1	-40.02	-27	Pass
NVNT	n20	5180	Ant2	-39.59	-27	Pass
NVNT	n20	5240	Ant2	-39.61	-27	Pass
NVNT	n40	5190	Ant1	-38.97	-27	Pass
NVNT	n40	5230	Ant1	-40.36	-27	Pass
NVNT	n40	5190	Ant2	-40.3	-27	Pass
NVNT	n40	5230	Ant2	-41.23	-27	Pass
NVNT	ac20	5180	Ant1	-39.33	-27	Pass
NVNT	ac20	5240	Ant1	-39.94	-27	Pass
NVNT	ac20	5180	Ant2	-40.13	-27	Pass
NVNT	ac20	5240	Ant2	-39.92	-27	Pass
NVNT	ac40	5190	Ant1	-39.49	-27	Pass
NVNT	ac40	5230	Ant1	-40.77	-27	Pass
NVNT	ac40	5190	Ant2	-40.19	-27	Pass
NVNT	ac40	5230	Ant2	-40.26	-27	Pass
NVNT	ac80	5210	Ant1	-41.34	-27	Pass
NVNT	ac80	5210	Ant1	-36.48	-27	Pass
NVNT	ac80	5210	Ant2	-40.95	-27	Pass
NVNT	ac80	5210	Ant2	-38.24	-27	Pass

Test Graphs

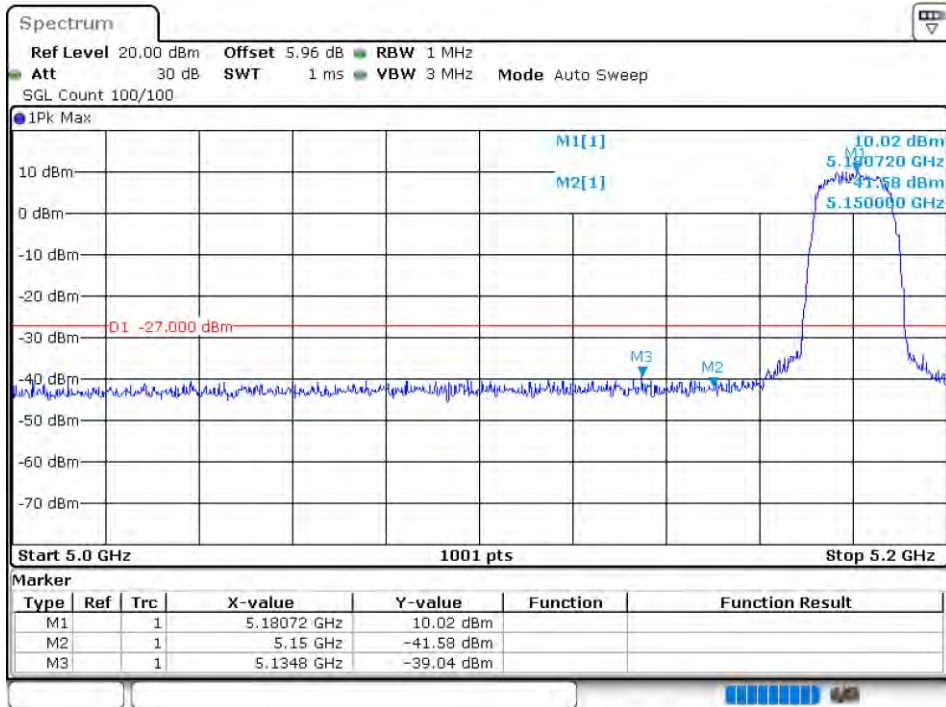
Band Edge NVNT a 5180MHz Low Ant1



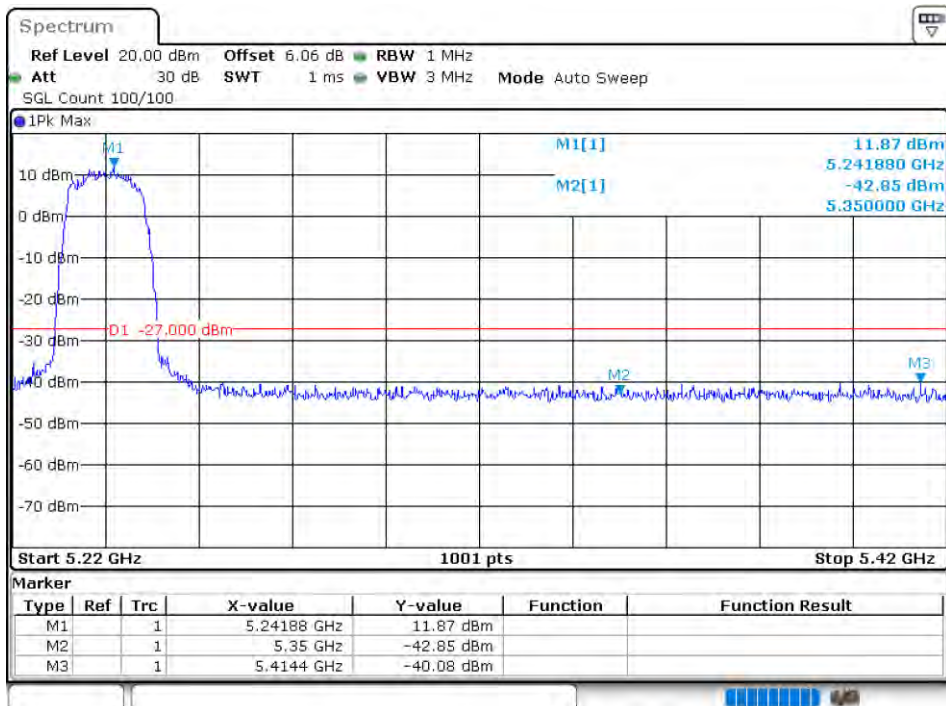
Band Edge NVNT a 5240MHz High Ant1



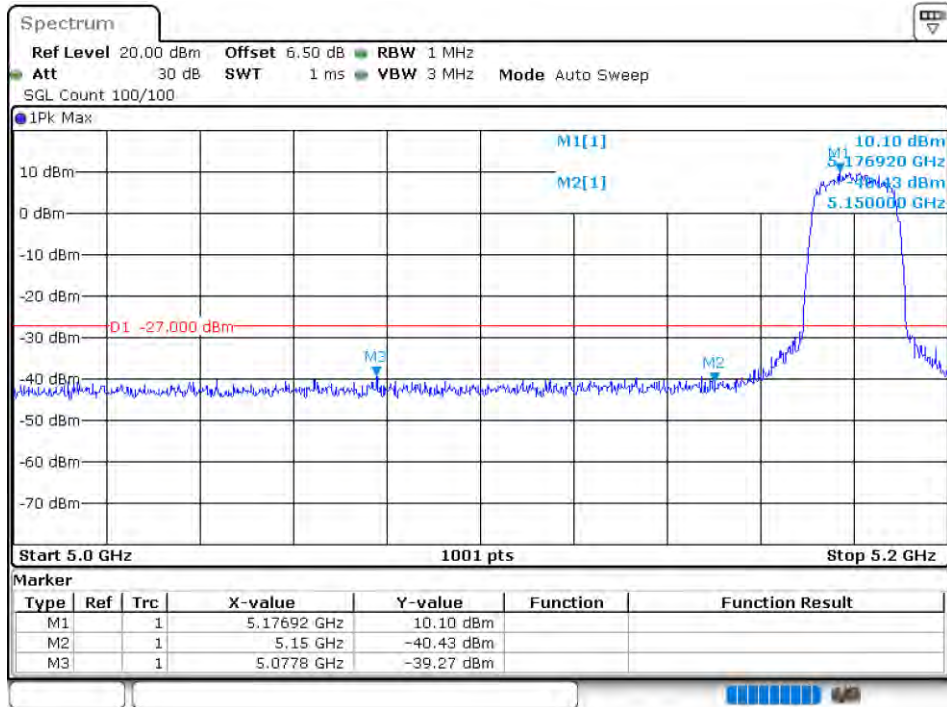
Band Edge NVNT a 5180MHz Low Ant2



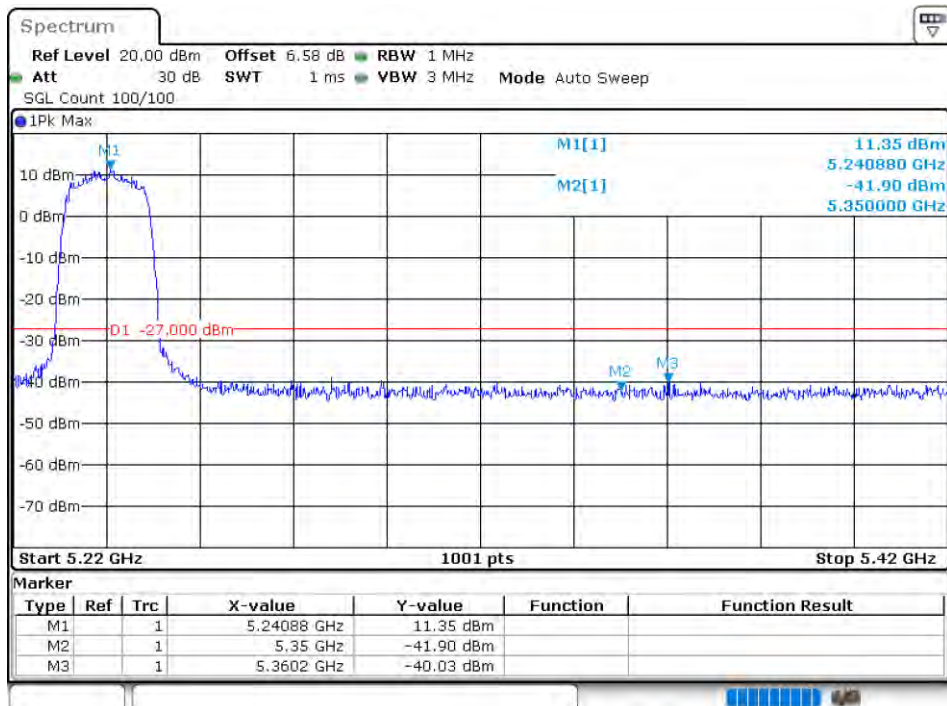
Band Edge NVNT a 5240MHz High Ant2



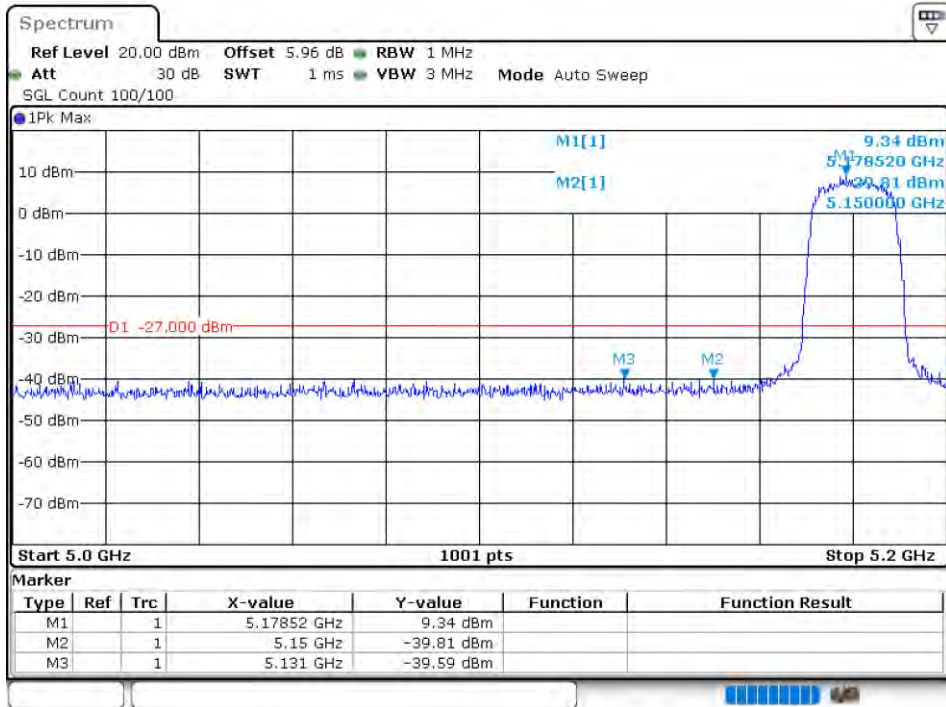
Band Edge NVNT n20 5180MHz Low Ant1



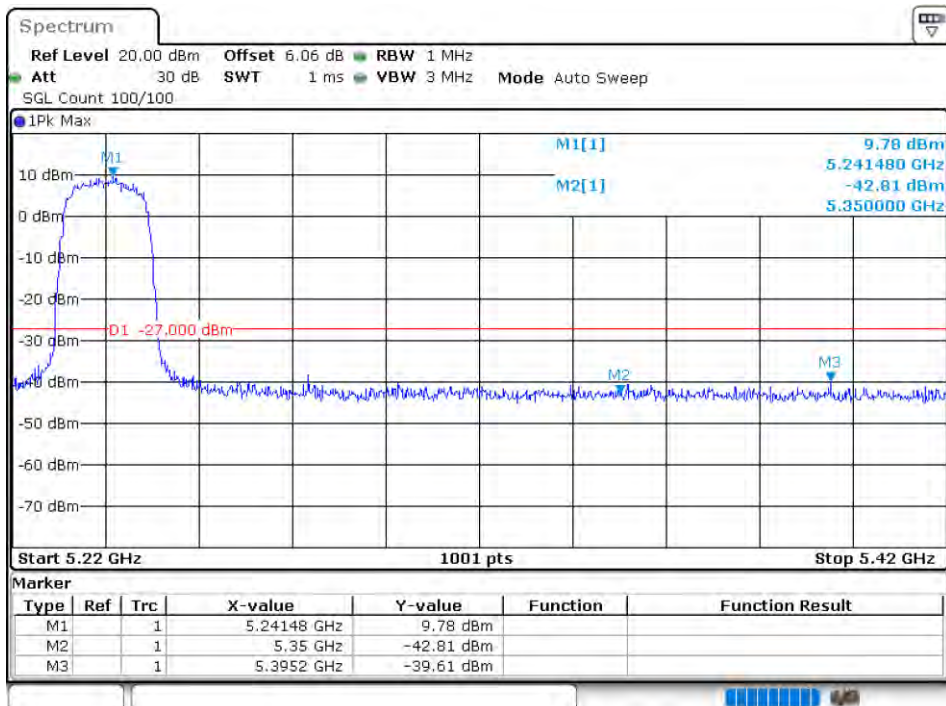
Band Edge NVNT n20 5240MHz High Ant1



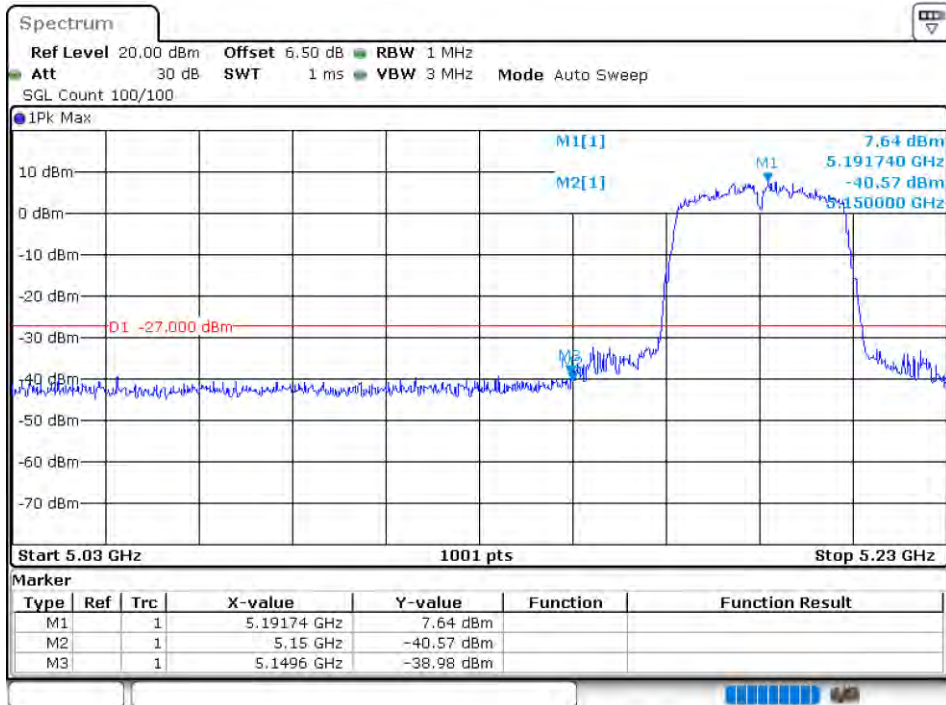
Band Edge NVNT n20 5180MHz Low Ant2



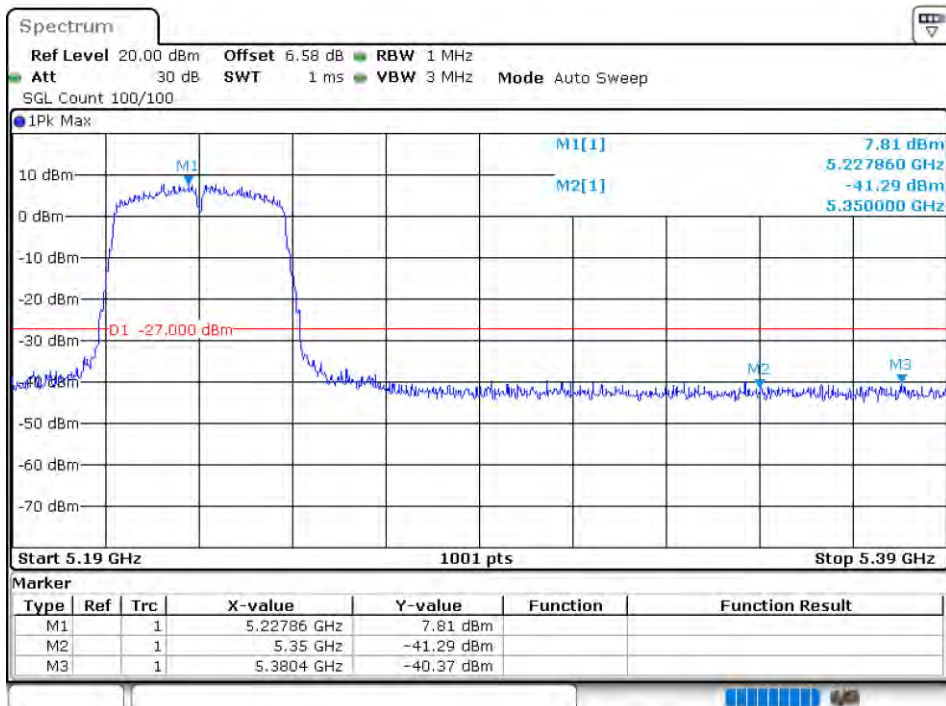
Band Edge NVNT n20 5240MHz High Ant2



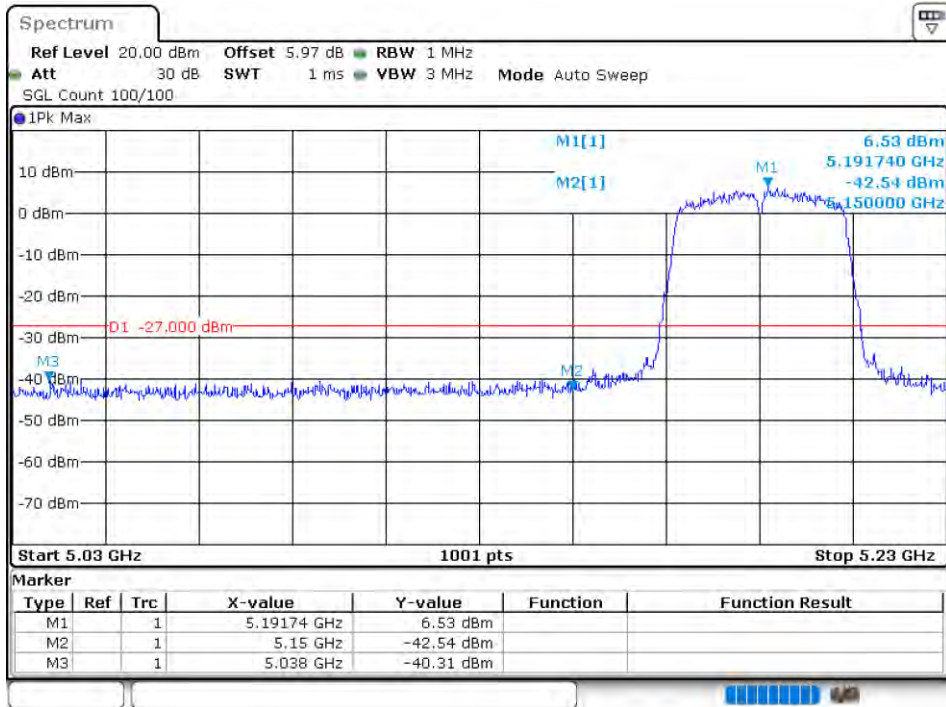
Band Edge NVNT n40 5190MHz Low Ant1



Band Edge NVNT n40 5230MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant2



Band Edge NVNT n40 5230MHz High Ant2

