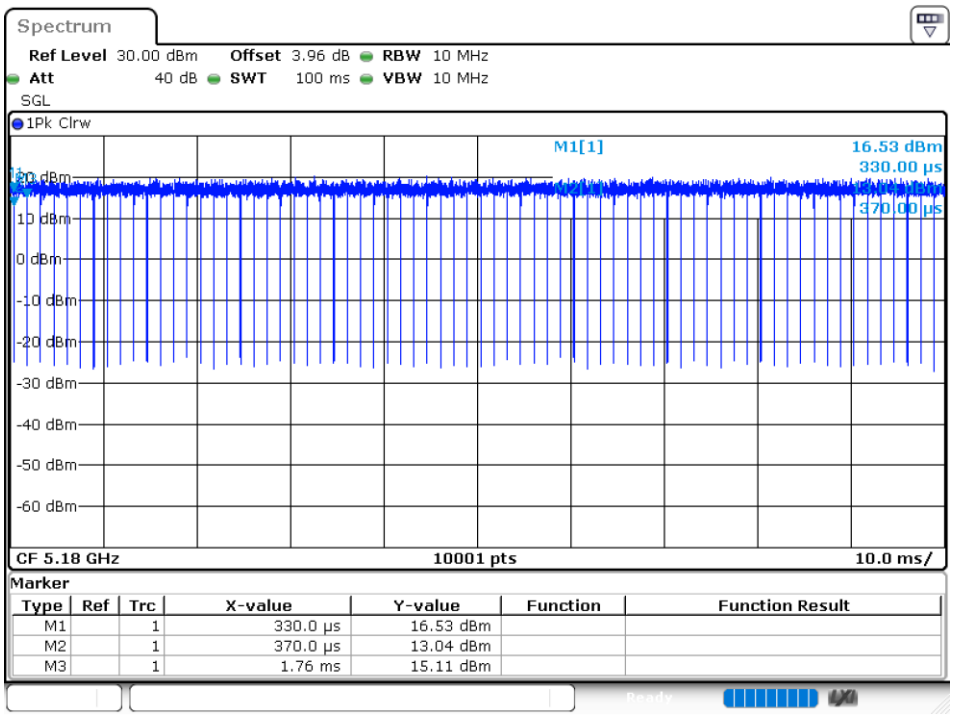
WIFI 5.2G:

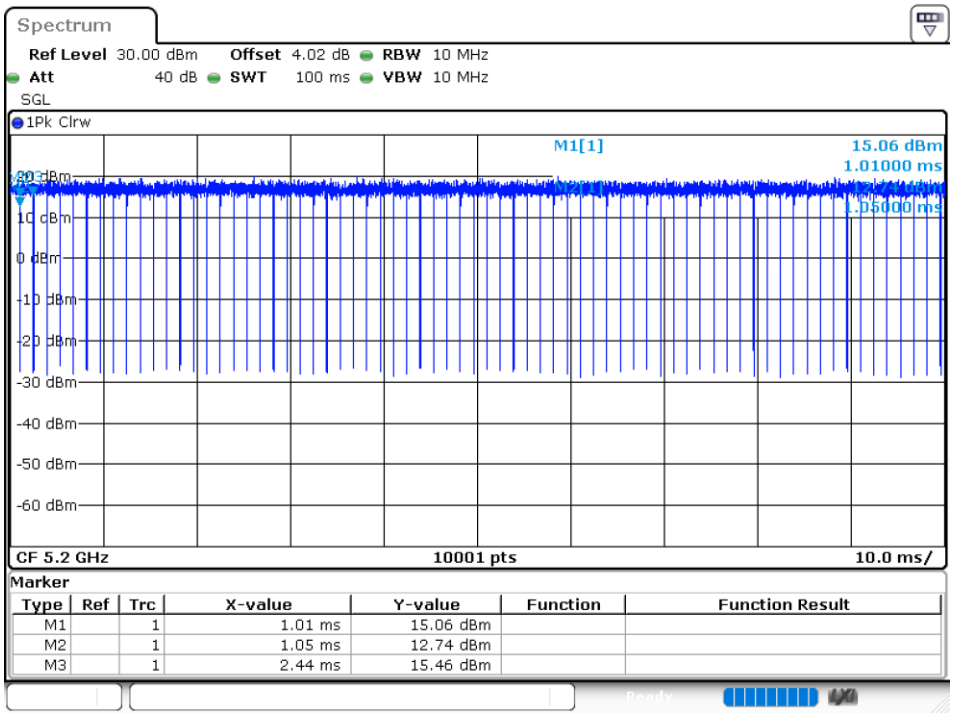
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.2	0.08	0.72
NVNT	a	5200	Ant1	98.18	0.08	0.72
NVNT	a	5240	Ant1	98.2	0.08	0.72
NVNT	n20	5180	Ant1	98.07	0.08	0.77
NVNT	n20	5200	Ant1	98.06	0.09	0.77
NVNT	n20	5240	Ant1	98.09	0.08	0.77
NVNT	n40	5190	Ant1	96.32	0.16	1.54
NVNT	n40	5230	Ant1	96.32	0.16	1.54
NVNT	ac20	5180	Ant1	98.07	0.08	0.76
NVNT	ac20	5200	Ant1	98.05	0.09	0.76
NVNT	ac20	5240	Ant1	98.06	0.09	0.76
NVNT	ac40	5190	Ant1	96.35	0.16	1.54
NVNT	ac40	5230	Ant1	96.36	0.16	1.54
NVNT	ac80	5210	Ant1	93.13	0.31	3.13
NVNT	ax20	5180	Ant1	98.05	0.09	0.76
NVNT	ax20	5200	Ant1	98.05	0.09	0.76
NVNT	ax20	5240	Ant1	98.08	0.08	0.76
NVNT	ax40	5190	Ant1	96.34	0.16	1.54
NVNT	ax40	5230	Ant1	96.41	0.16	1.54
NVNT	ax80	5210	Ant1	93.17	0.31	3.13

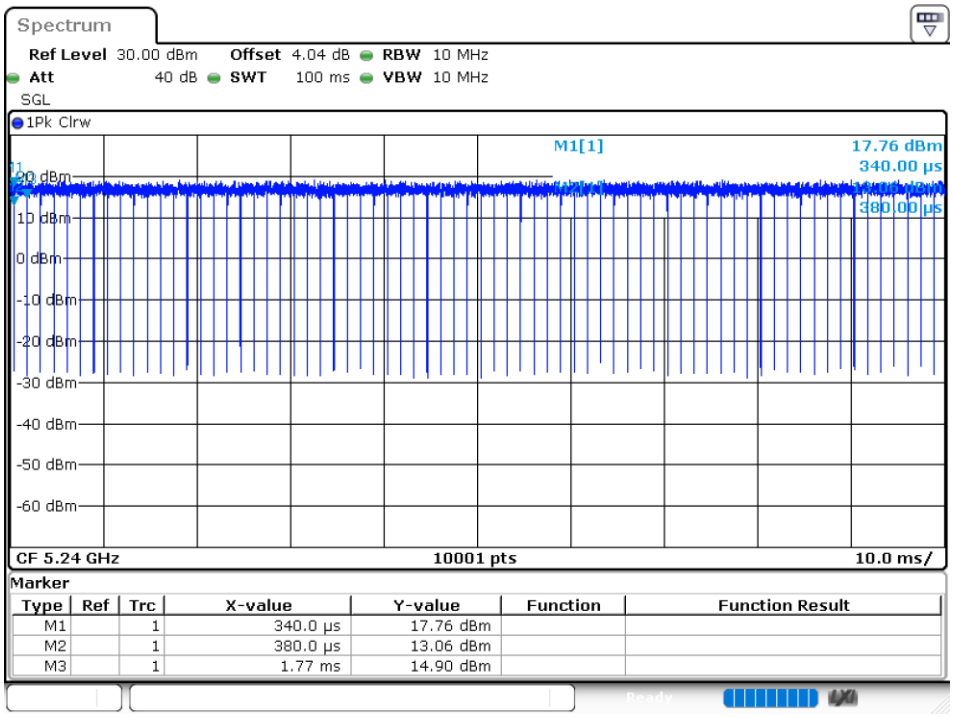
Test Graphs
Duty Cycle NVNT a 5180MHz Ant1



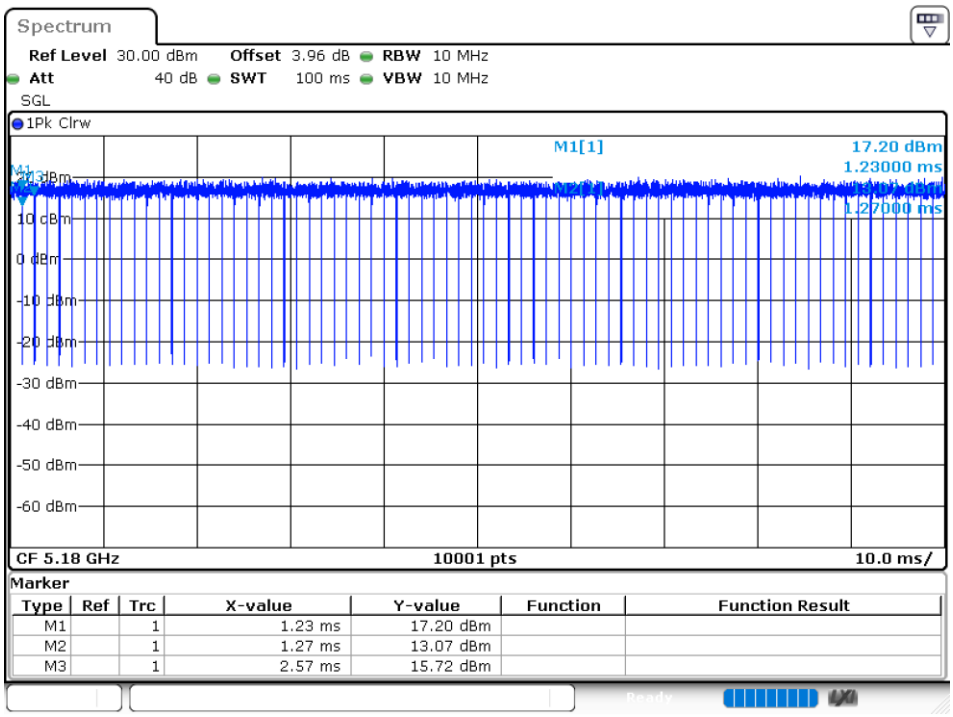
Duty Cycle NVNT a 5200MHz Ant1



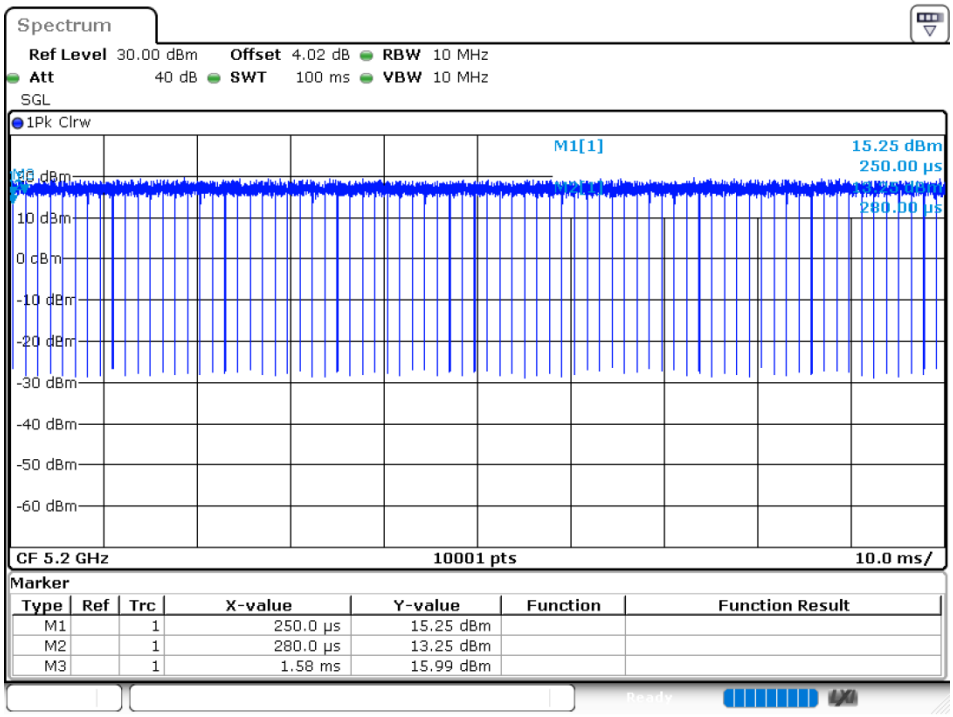
Duty Cycle NVNT a 5240MHz Ant1



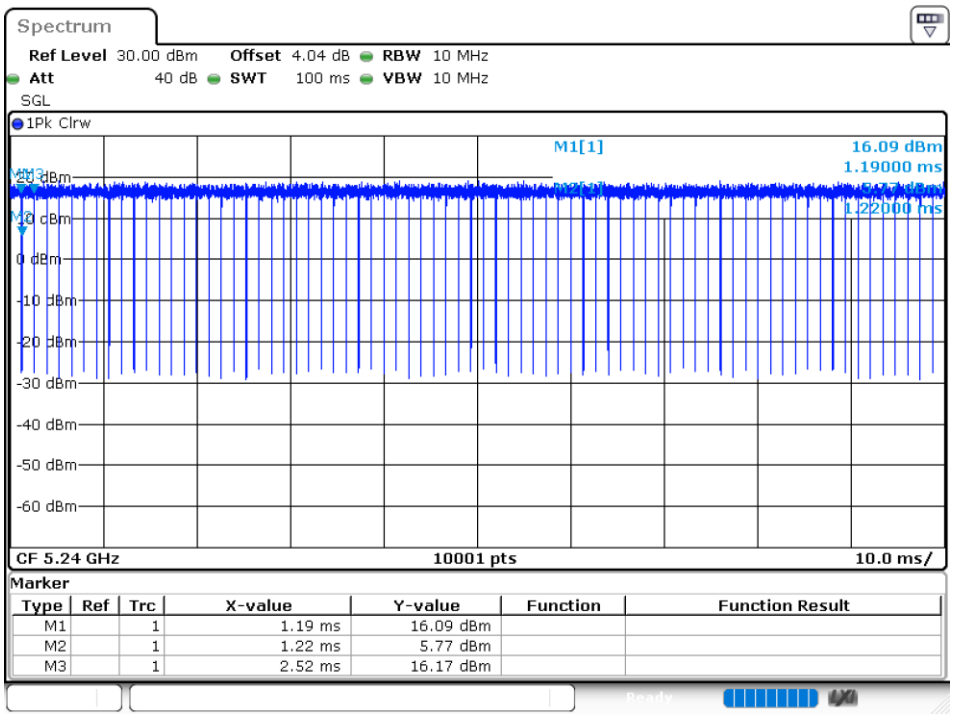
Duty Cycle NVNT n20 5180MHz Ant1



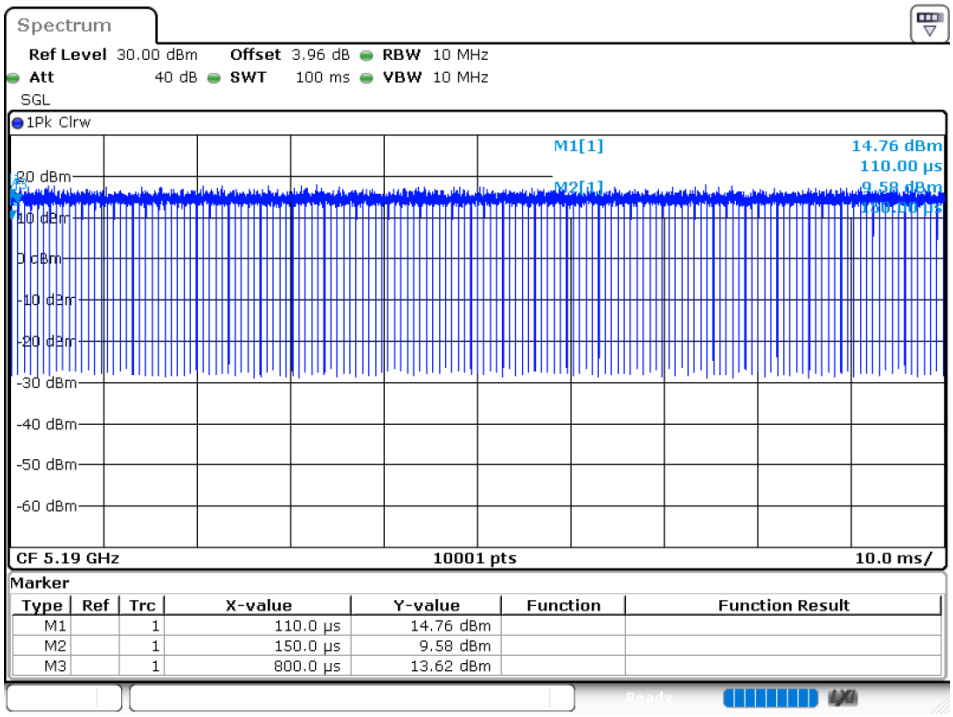
Duty Cycle NVNT n20 5200MHz Ant1



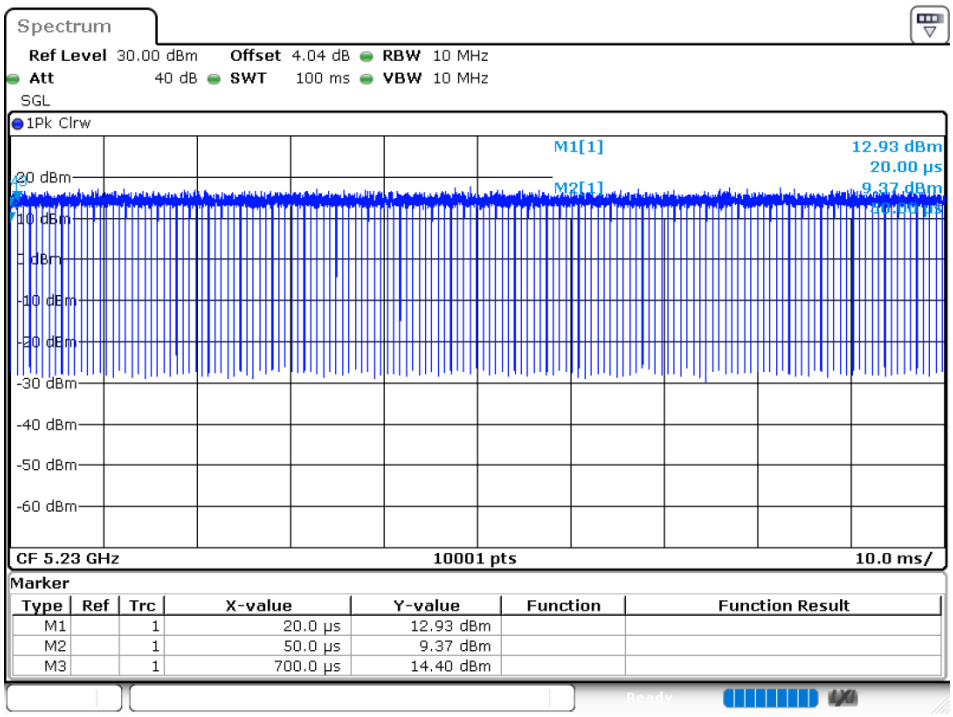
Duty Cycle NVNT n20 5240MHz Ant1



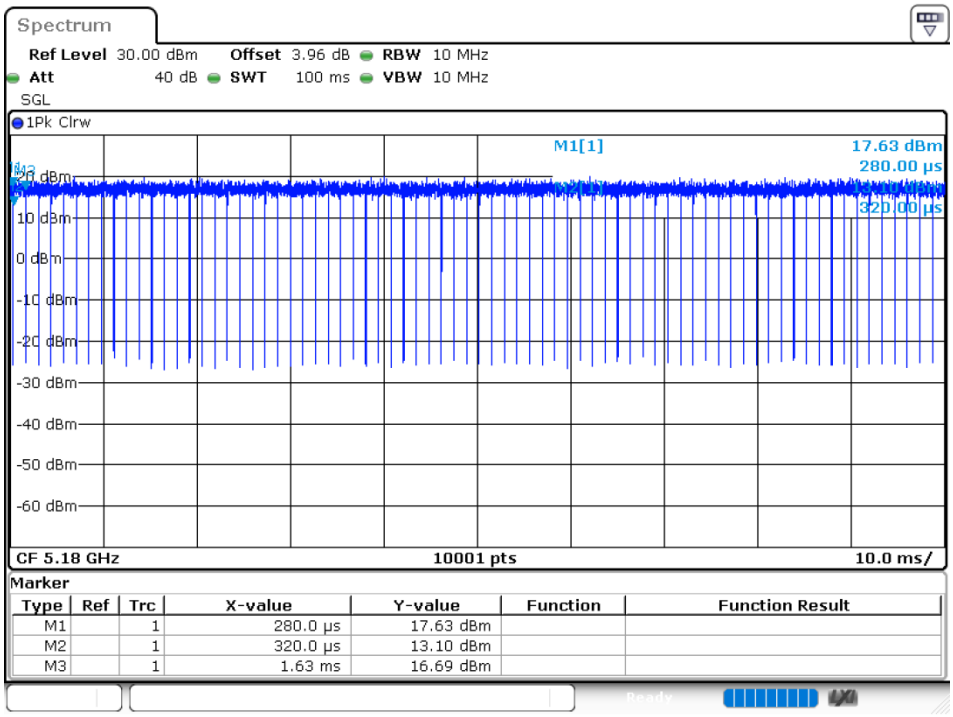
Duty Cycle NVNT n40 5190MHz Ant1



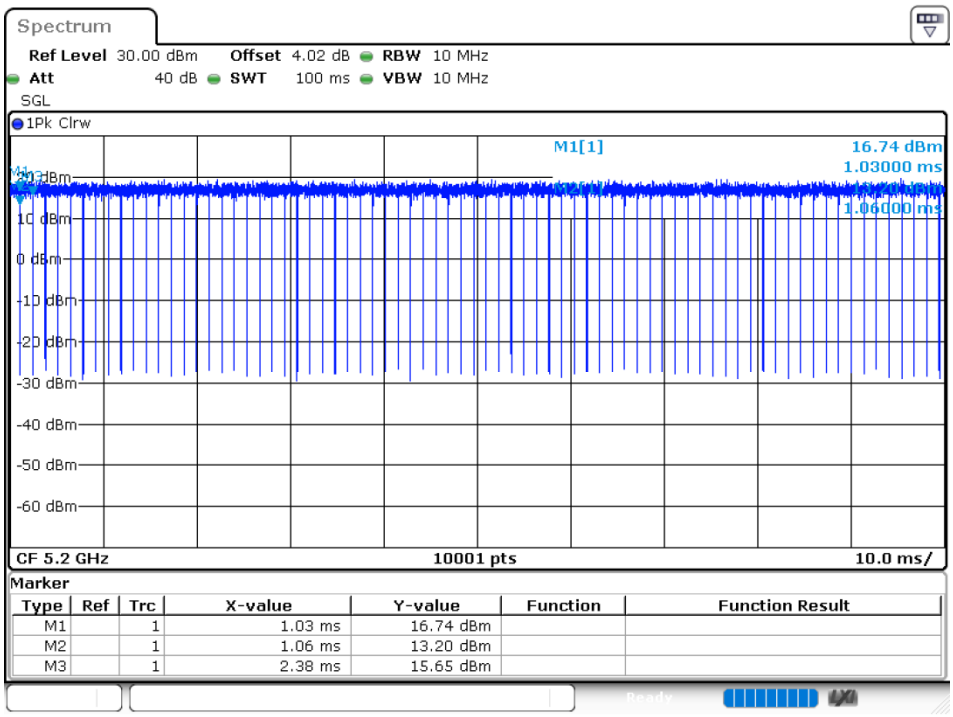
Duty Cycle NVNT n40 5230MHz Ant1



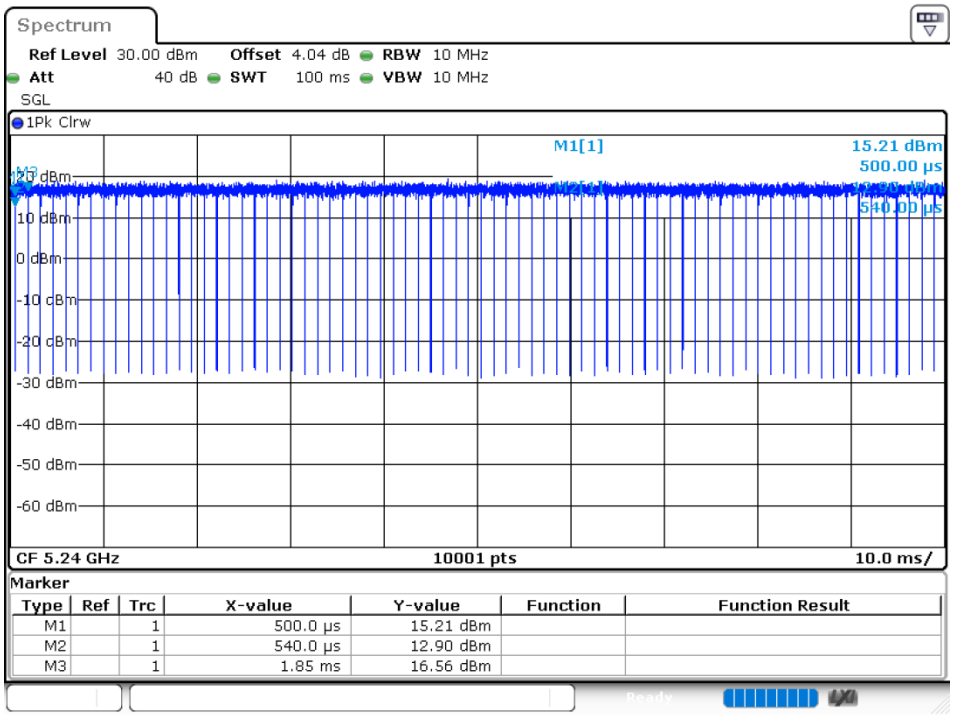
Duty Cycle NVNT ac20 5180MHz Ant1



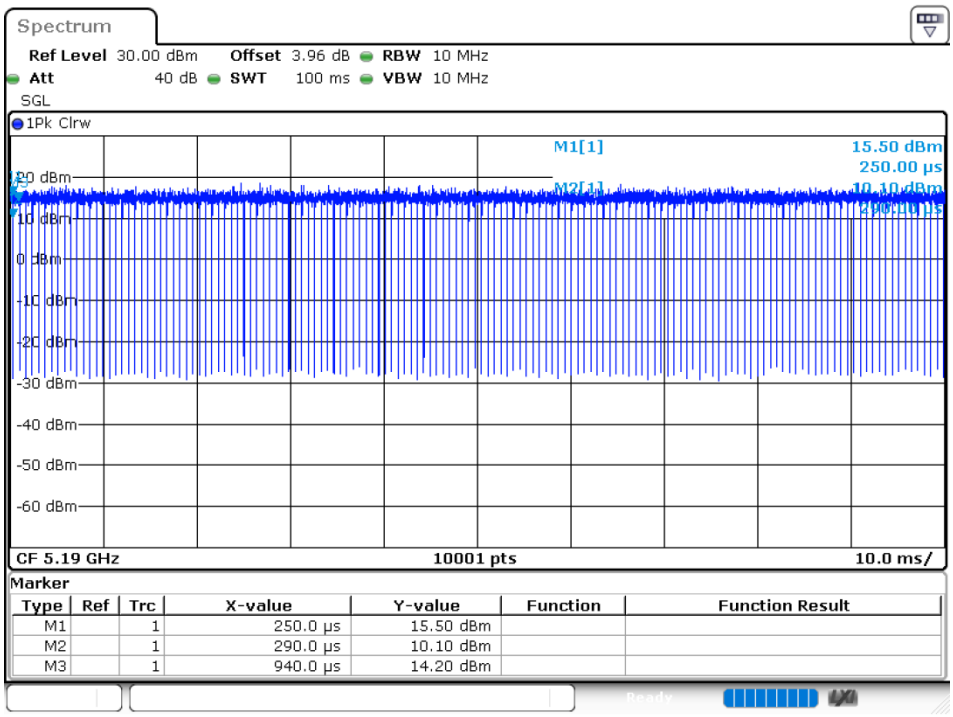
Duty Cycle NVNT ac20 5200MHz Ant1



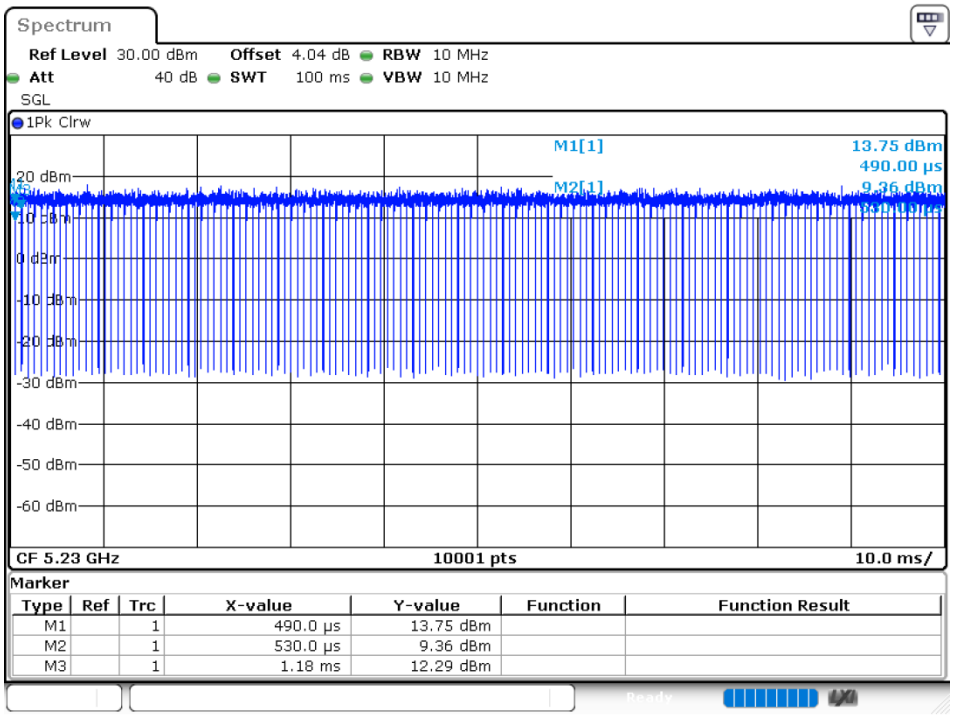
Duty Cycle NVNT ac20 5240MHz Ant1



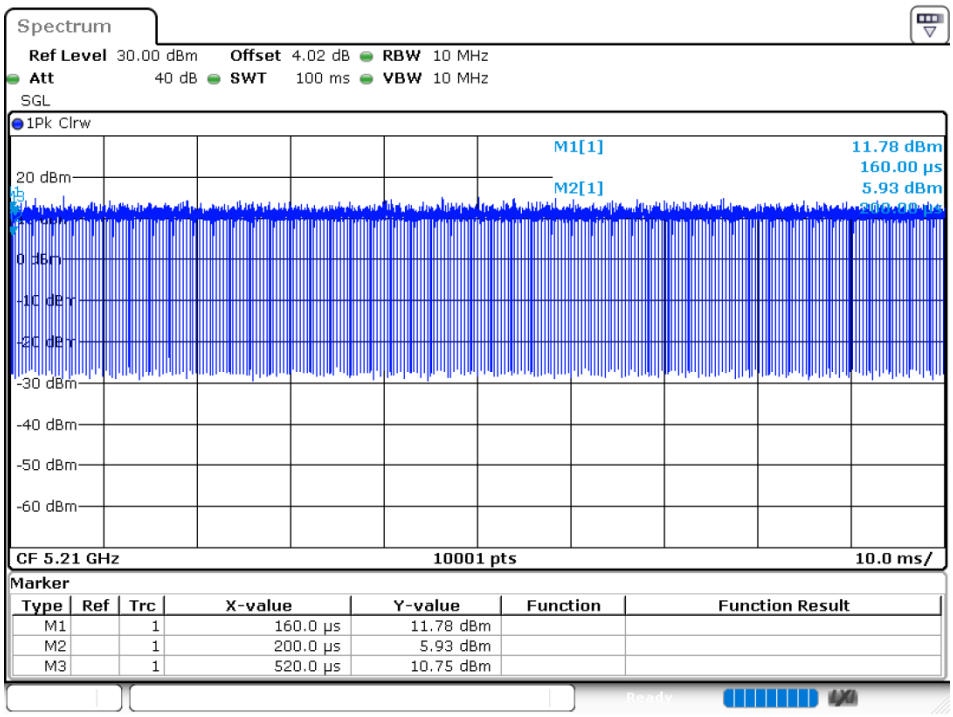
Duty Cycle NVNT ac40 5190MHz Ant1



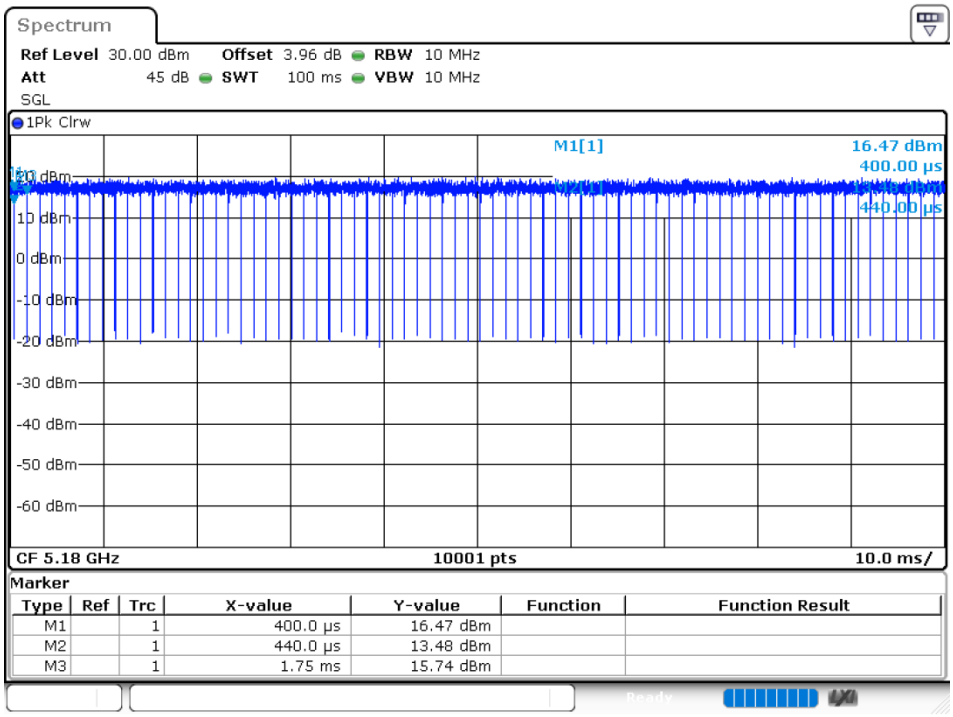
Duty Cycle NVNT ac40 5230MHz Ant1



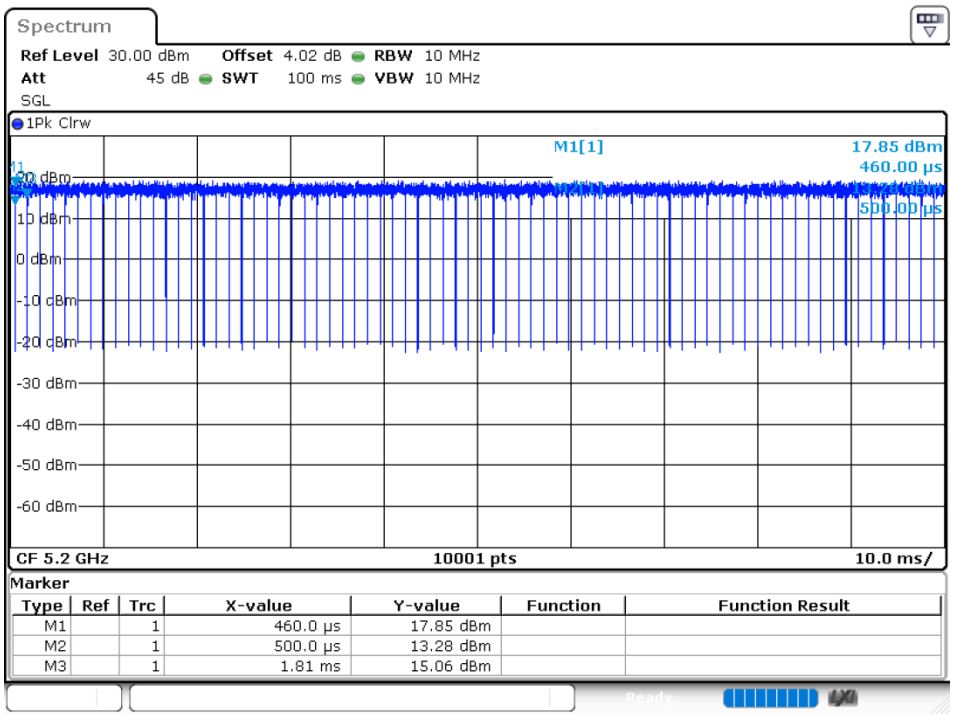
Duty Cycle NVNT ac80 5210MHz Ant1



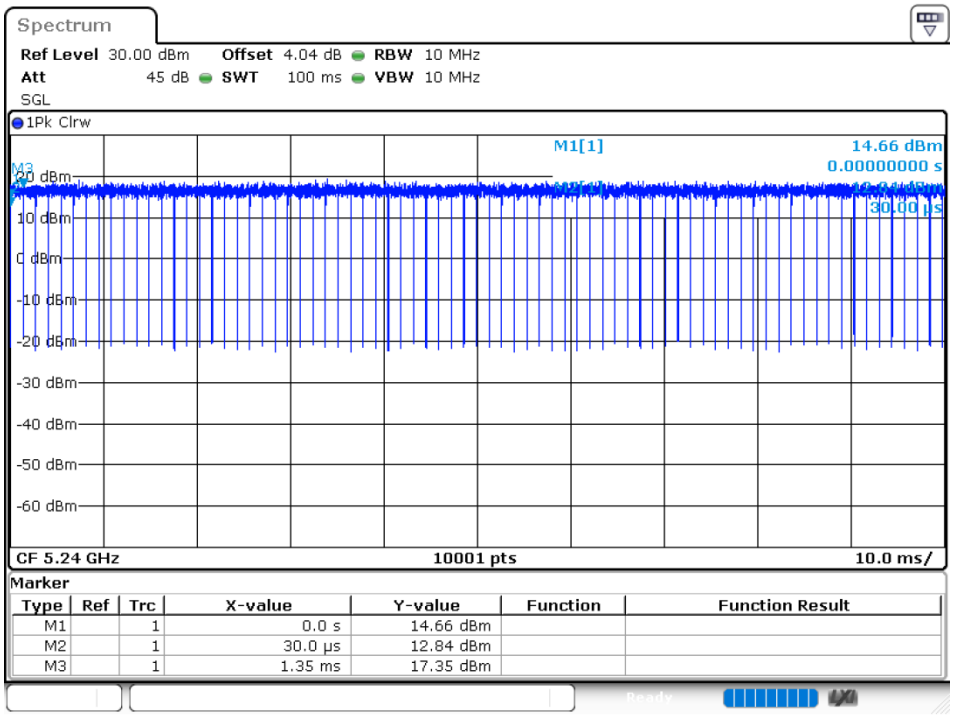
Duty Cycle NVNT ax20 5180MHz Ant1



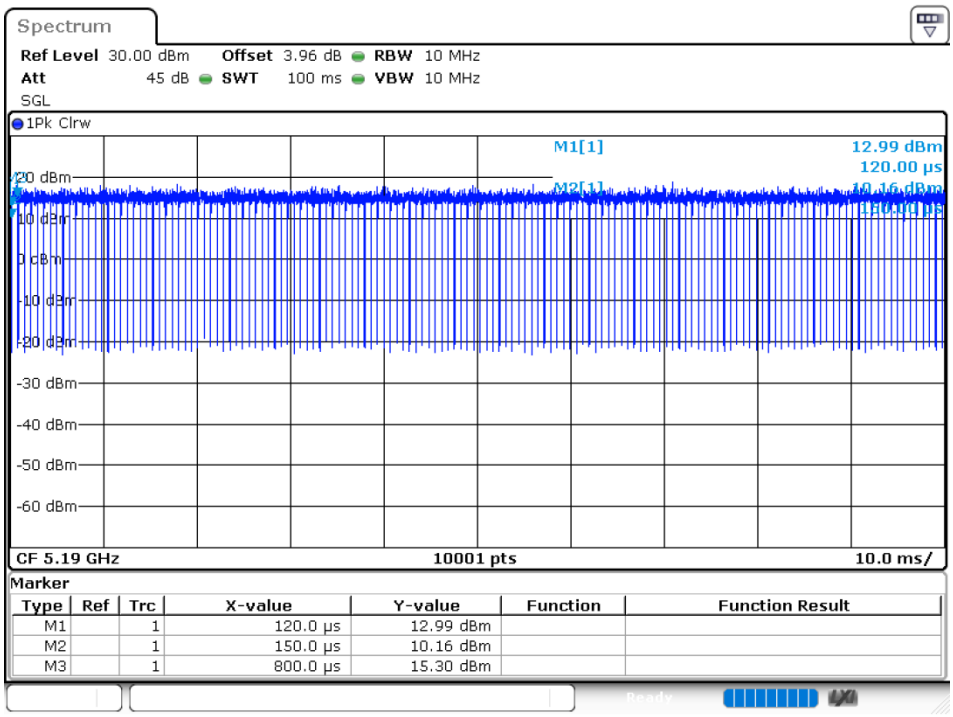
Duty Cycle NVNT ax20 5200MHz Ant1



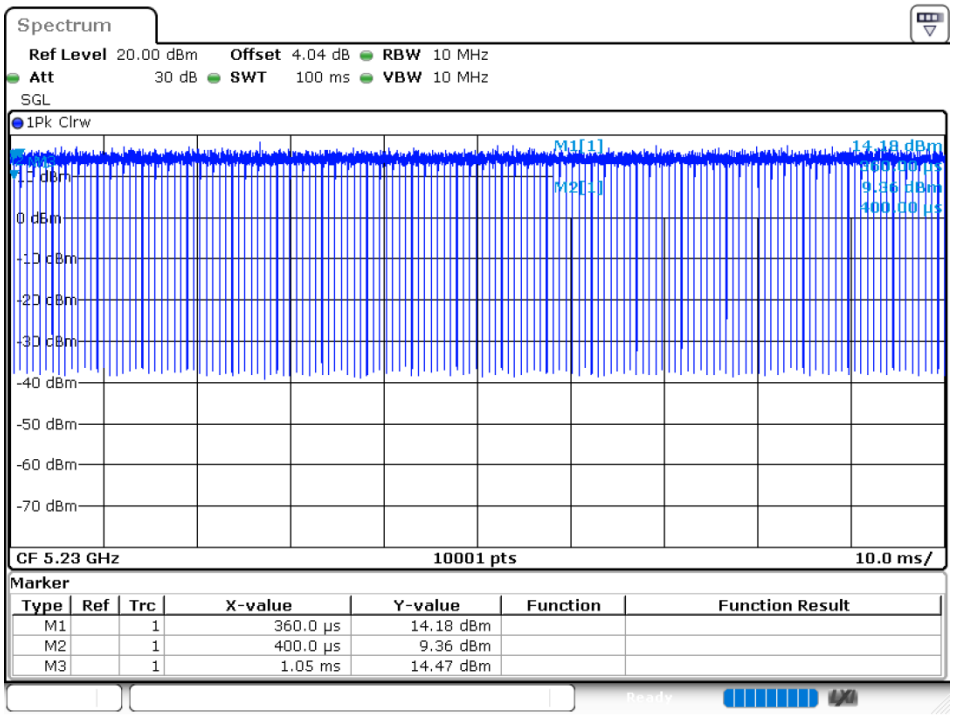
Duty Cycle NVNT ax20 5240MHz Ant1



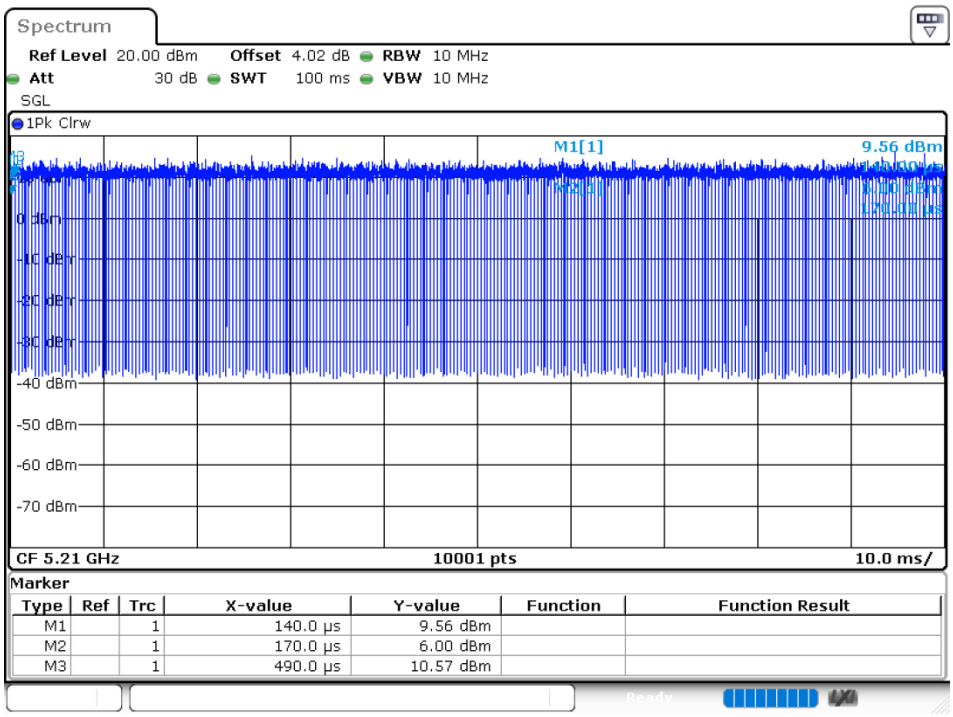
Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1



Duty Cycle NVNT ax80 5210MHz Ant1



Maximum Conducted Output Power

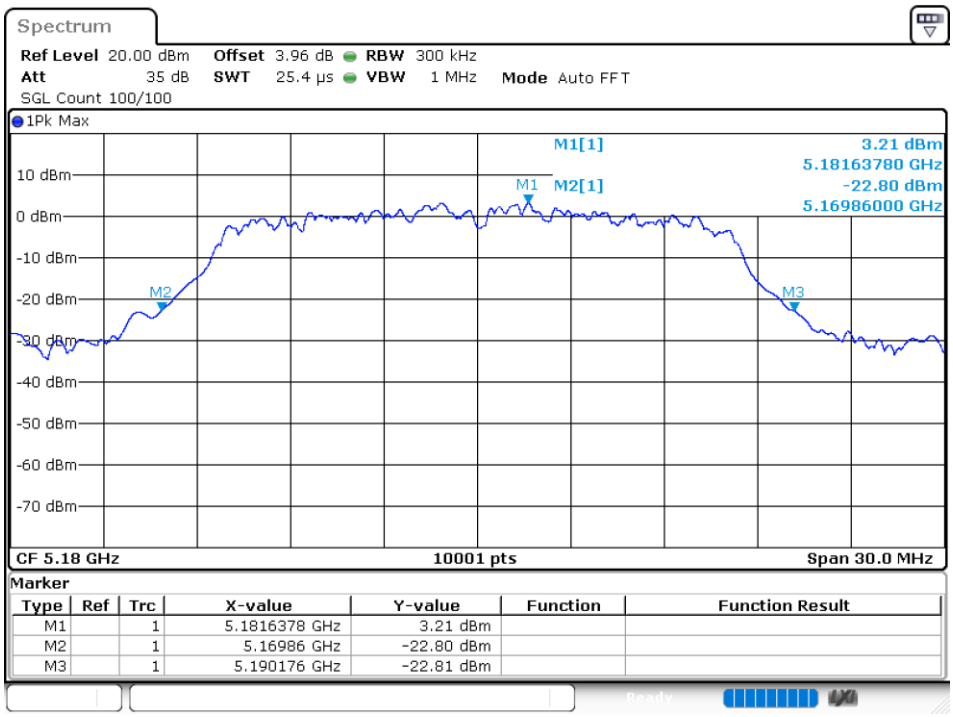
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.82	24	Pass
NVNT	a	5200	Ant1	11.84	24	Pass
NVNT	a	5240	Ant1	11.46	24	Pass
NVNT	n20	5180	Ant1	10.8	24	Pass
NVNT	n20	5200	Ant1	11.2	24	Pass
NVNT	n20	5240	Ant1	10.36	24	Pass
NVNT	n40	5190	Ant1	10.2	24	Pass
NVNT	n40	5230	Ant1	9.99	24	Pass
NVNT	ac20	5180	Ant1	10.96	24	Pass
NVNT	ac20	5200	Ant1	11.11	24	Pass
NVNT	ac20	5240	Ant1	10.54	24	Pass
NVNT	ac40	5190	Ant1	10.18	24	Pass
NVNT	ac40	5230	Ant1	9.79	24	Pass
NVNT	ac80	5210	Ant1	9.8	24	Pass
NVNT	ax20	5180	Ant1	10.88	24	Pass
NVNT	ax20	5200	Ant1	11.05	24	Pass
NVNT	ax20	5240	Ant1	10.84	24	Pass
NVNT	ax40	5190	Ant1	10.32	24	Pass
NVNT	ax40	5230	Ant1	9.87	24	Pass
NVNT	ax80	5210	Ant1	10.12	24	Pass

-26dB Bandwidth

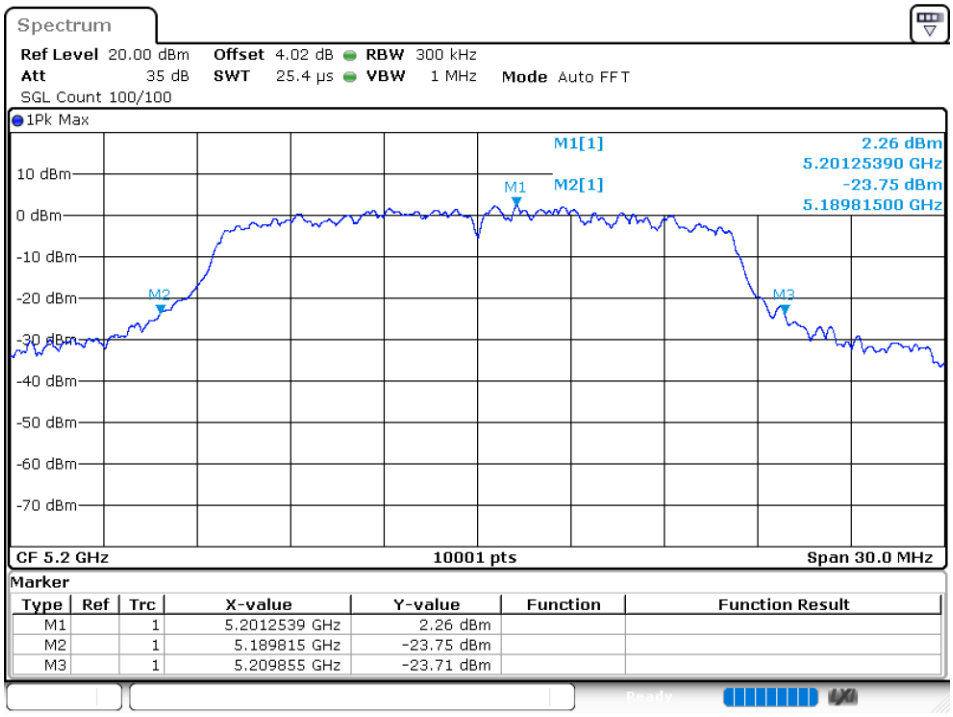
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.316	0.5	Pass
NVNT	a	5200	Ant1	20.04	0.5	Pass
NVNT	a	5240	Ant1	19.269	0.5	Pass
NVNT	n20	5180	Ant1	20.838	0.5	Pass
NVNT	n20	5200	Ant1	20.523	0.5	Pass
NVNT	n20	5240	Ant1	21.129	0.5	Pass
NVNT	n40	5190	Ant1	40.614	0.5	Pass
NVNT	n40	5230	Ant1	41.01	0.5	Pass
NVNT	ac20	5180	Ant1	20.874	0.5	Pass
NVNT	ac20	5200	Ant1	21.183	0.5	Pass
NVNT	ac20	5240	Ant1	20.097	0.5	Pass
NVNT	ac40	5190	Ant1	40.746	0.5	Pass
NVNT	ac40	5230	Ant1	40.812	0.5	Pass
NVNT	ac80	5210	Ant1	80.58	0.5	Pass
NVNT	ax20	5180	Ant1	20.91	0.5	Pass
NVNT	ax20	5200	Ant1	21.024	0.5	Pass
NVNT	ax20	5240	Ant1	21.135	0.5	Pass
NVNT	ax40	5190	Ant1	39.498	0.5	Pass
NVNT	ax40	5230	Ant1	39.648	0.5	Pass
NVNT	ax80	5210	Ant1	80.7	0.5	Pass

Test Graphs

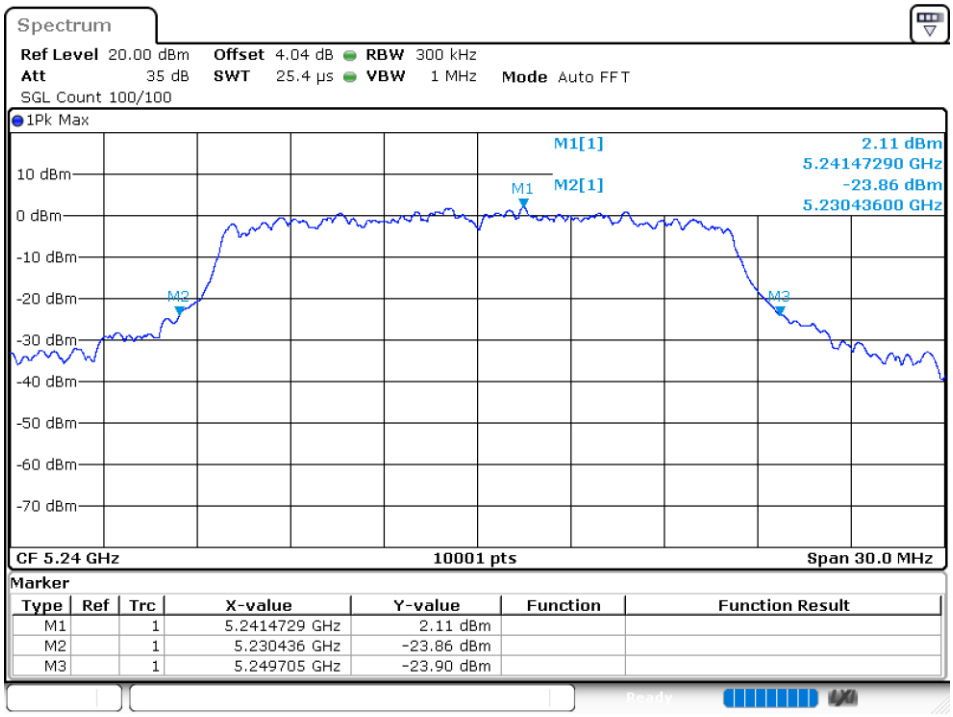
-26dB Bandwidth NVNT a 5180MHz Ant1



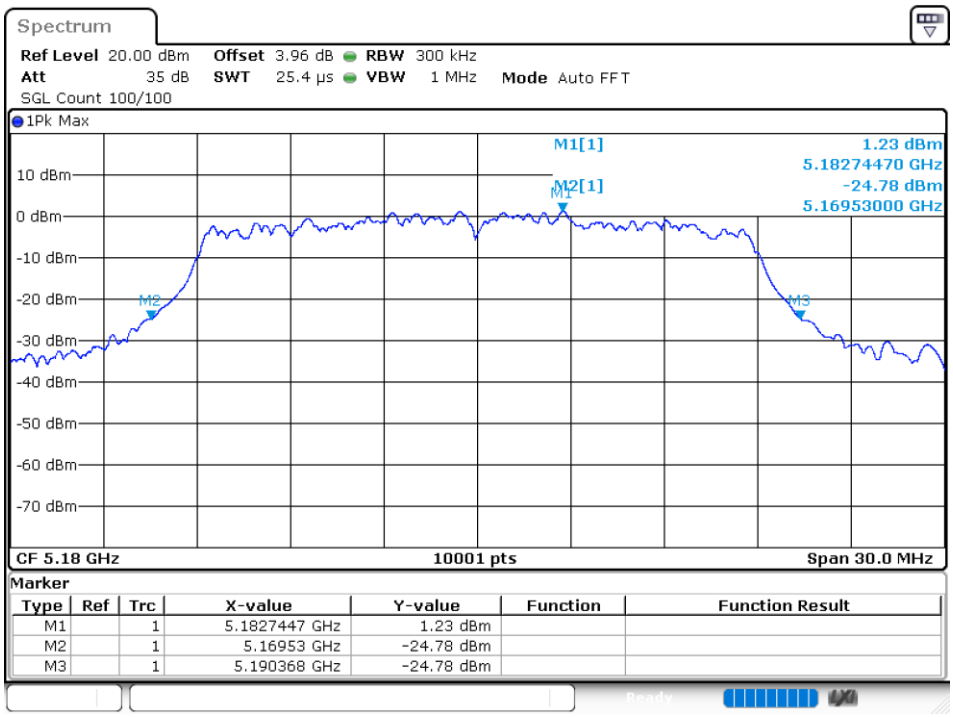
-26dB Bandwidth NVNT a 5200MHz Ant1



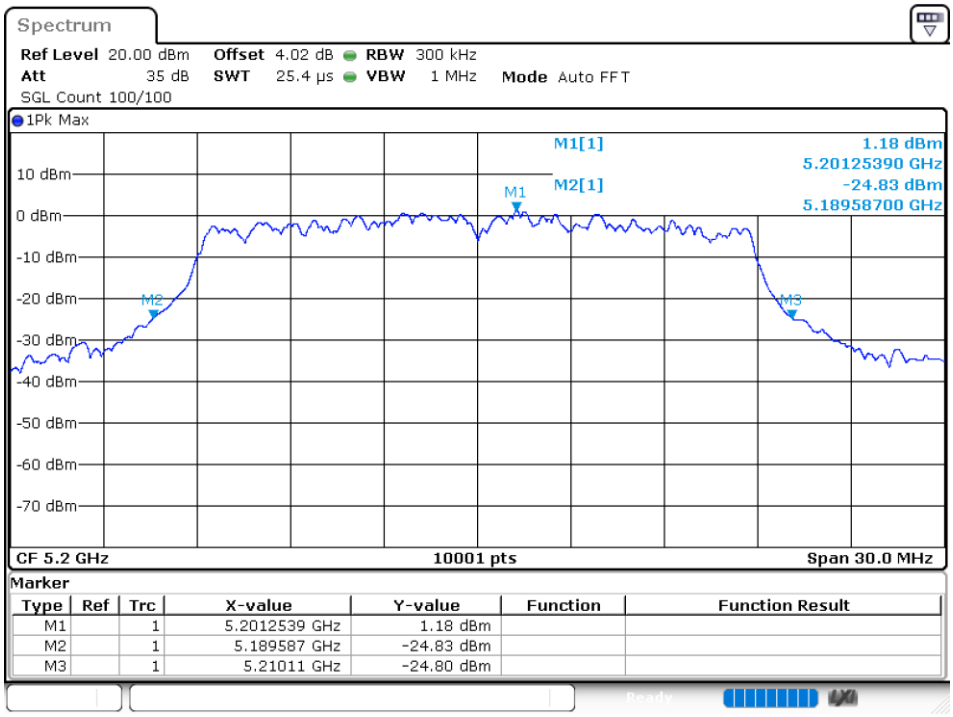
-26dB Bandwidth NVNT a 5240MHz Ant1



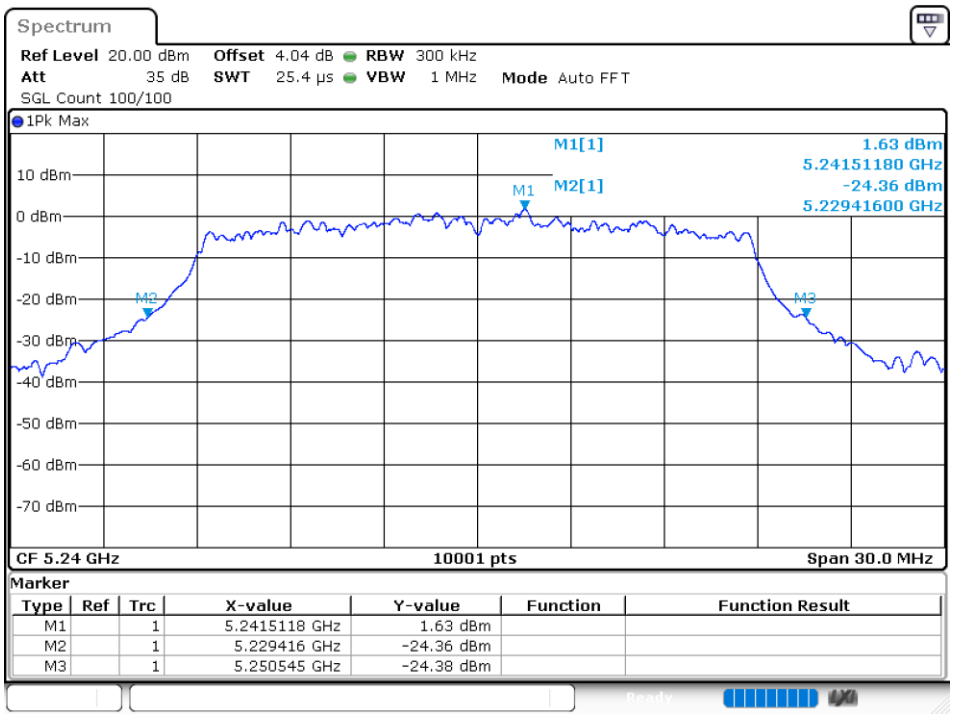
-26dB Bandwidth NVNT n20 5180MHz Ant1



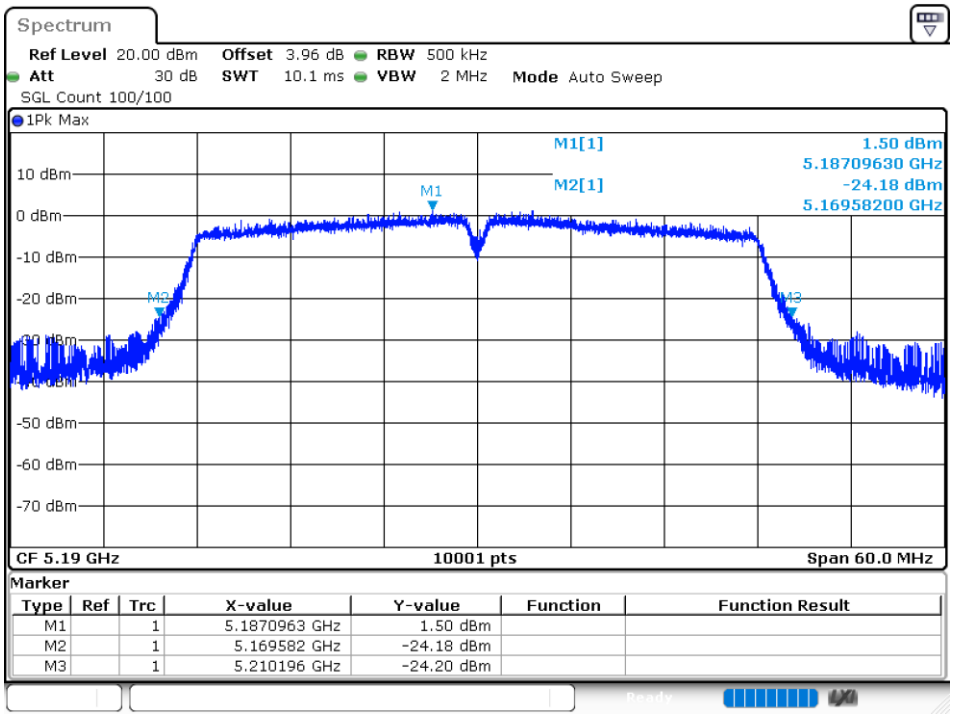
-26dB Bandwidth NVNT n20 5200MHz Ant1



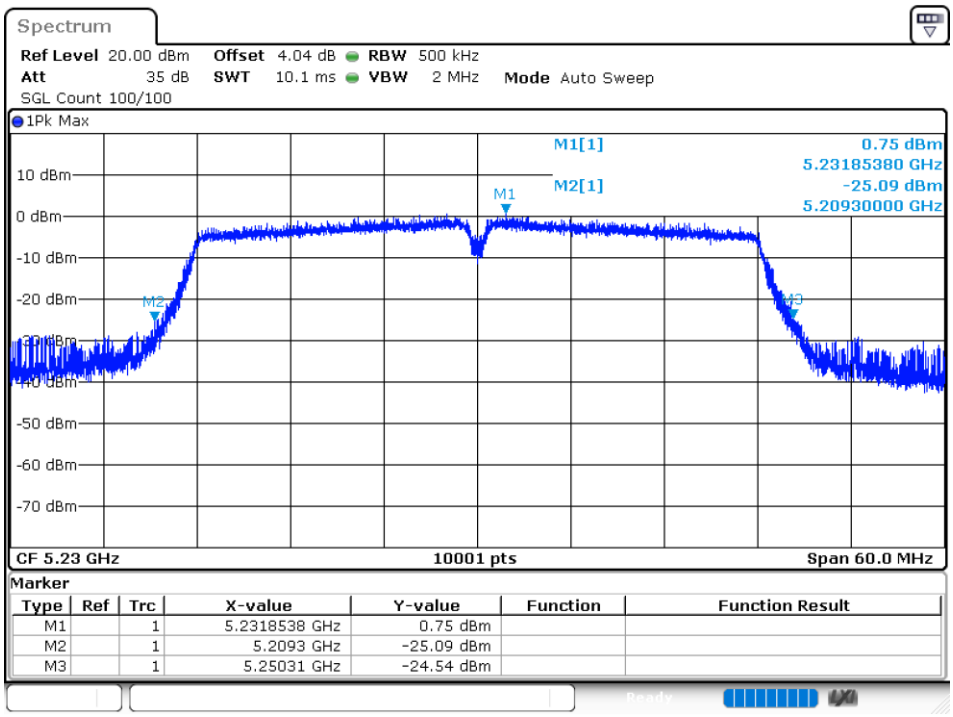
-26dB Bandwidth NVNT n20 5240MHz Ant1



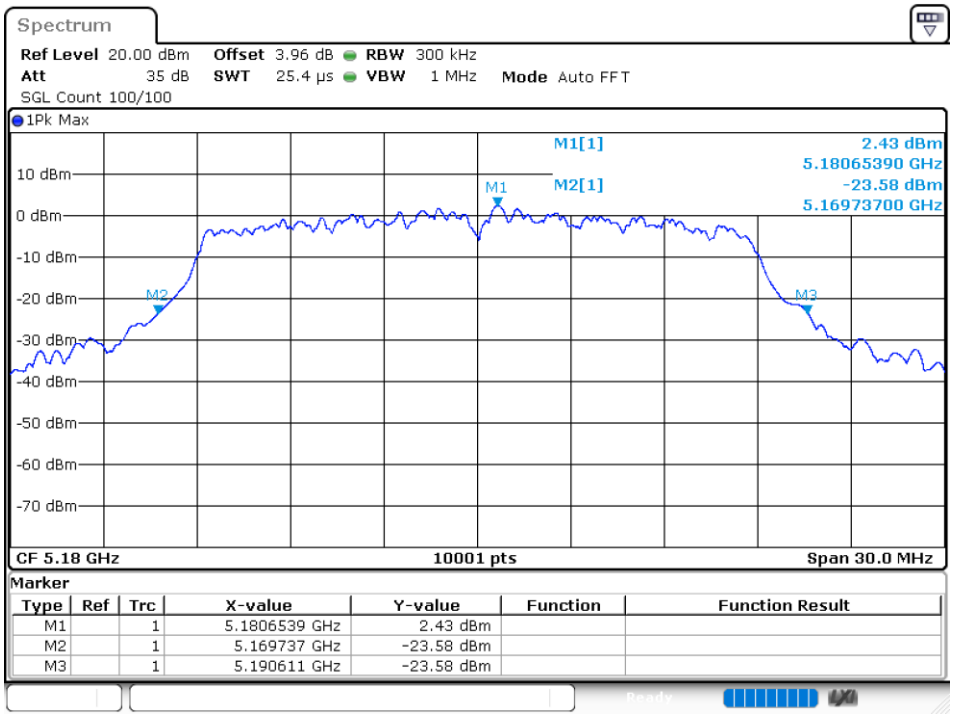
-26dB Bandwidth NVNT n40 5190MHz Ant1



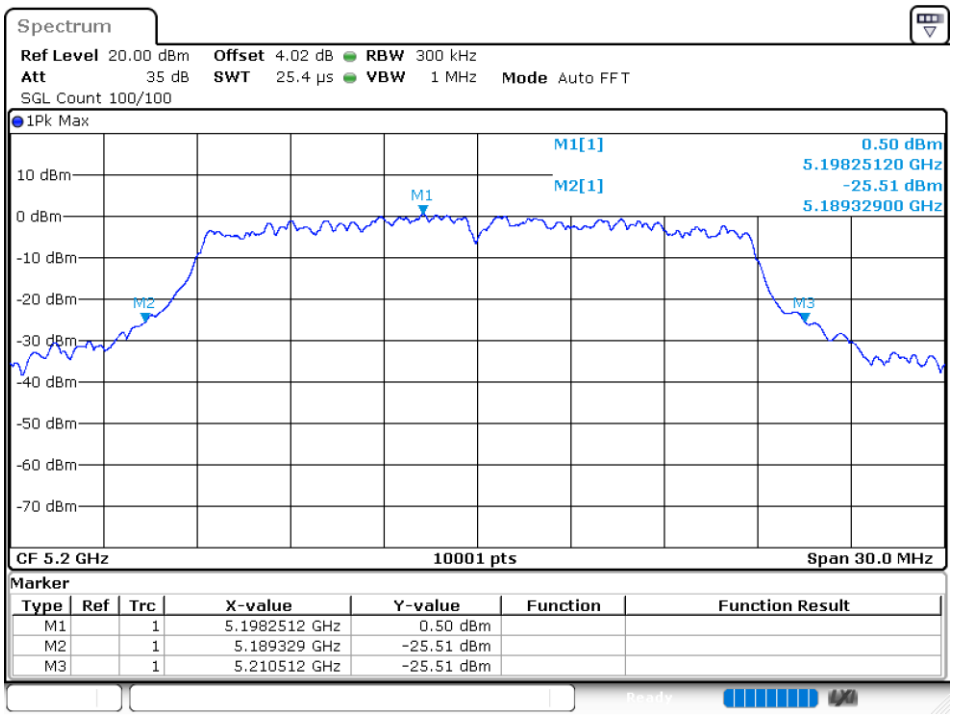
-26dB Bandwidth NVNT n40 5230MHz Ant1



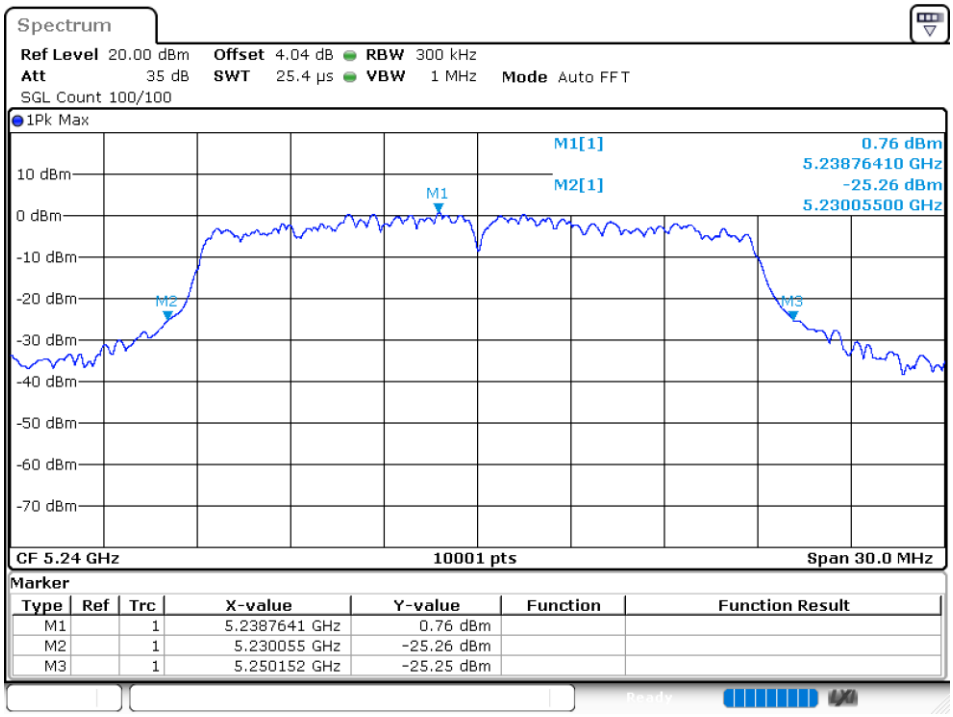
-26dB Bandwidth NVNT ac20 5180MHz Ant1



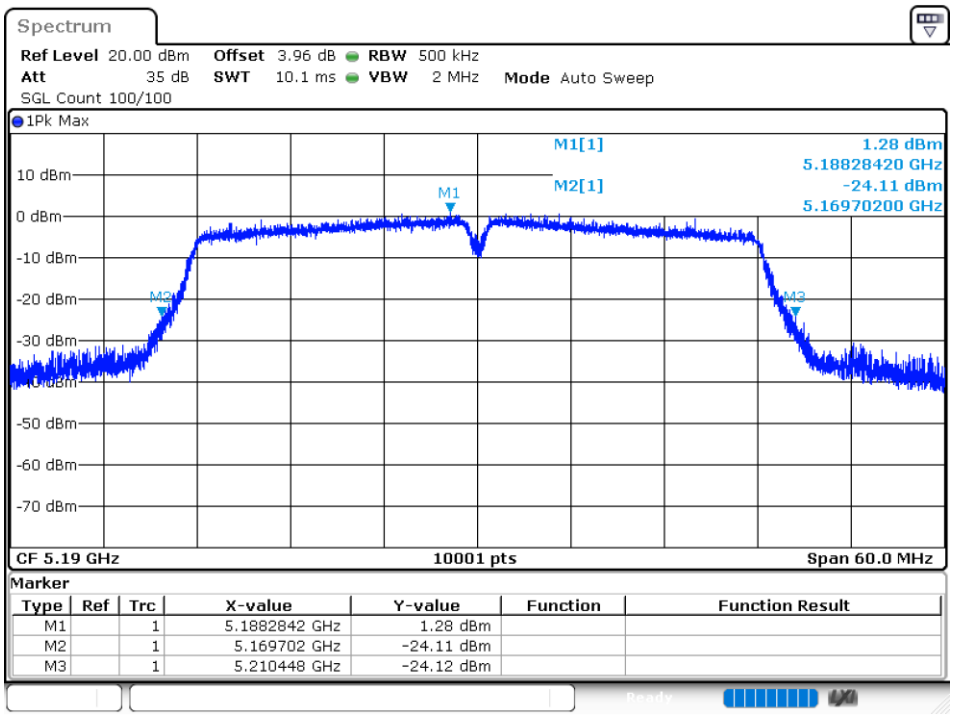
-26dB Bandwidth NVNT ac20 5200MHz Ant1



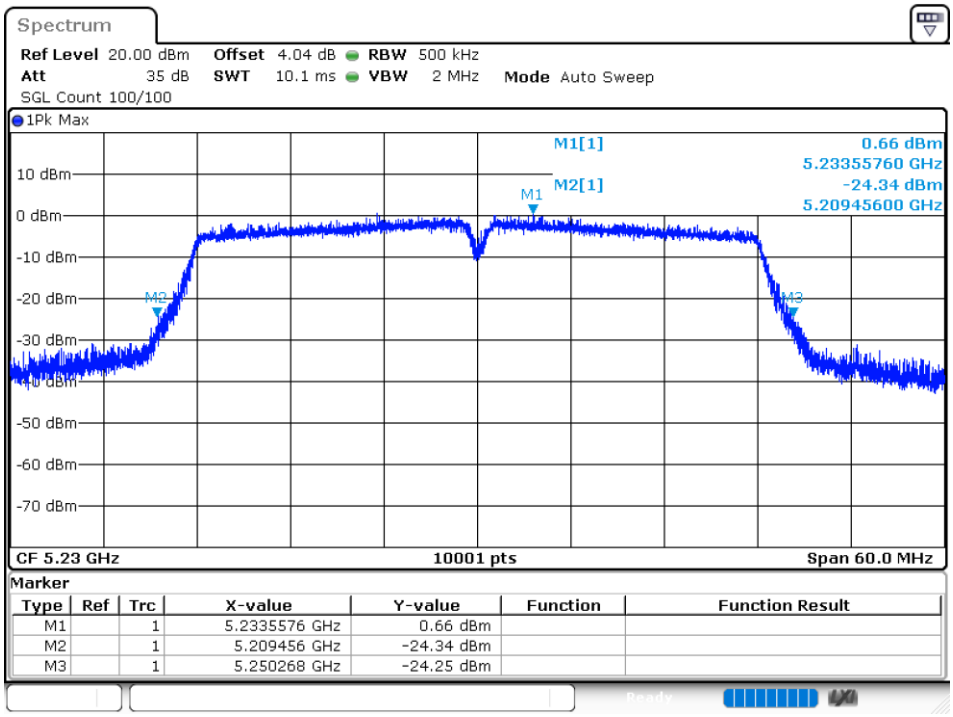
-26dB Bandwidth NVNT ac20 5240MHz Ant1



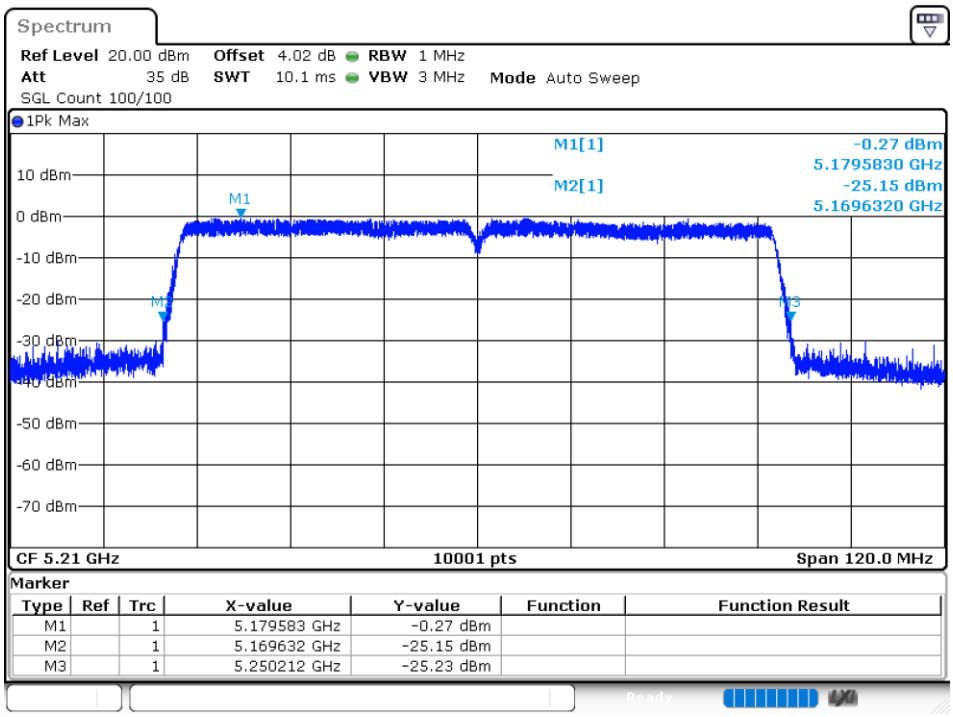
-26dB Bandwidth NVNT ac40 5190MHz Ant1



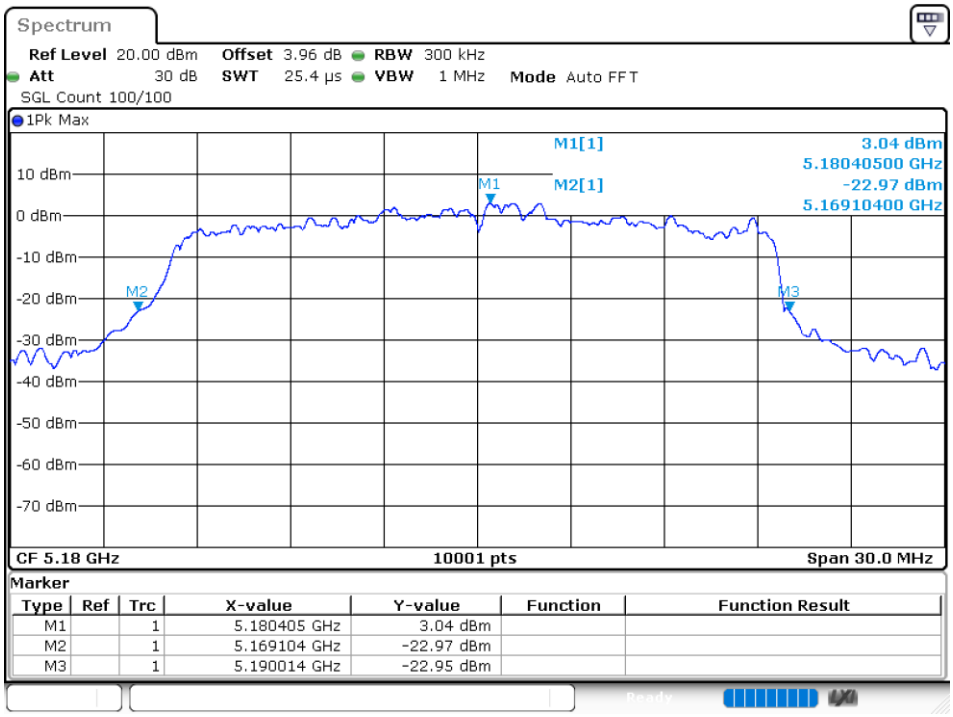
-26dB Bandwidth NVNT ac40 5230MHz Ant1



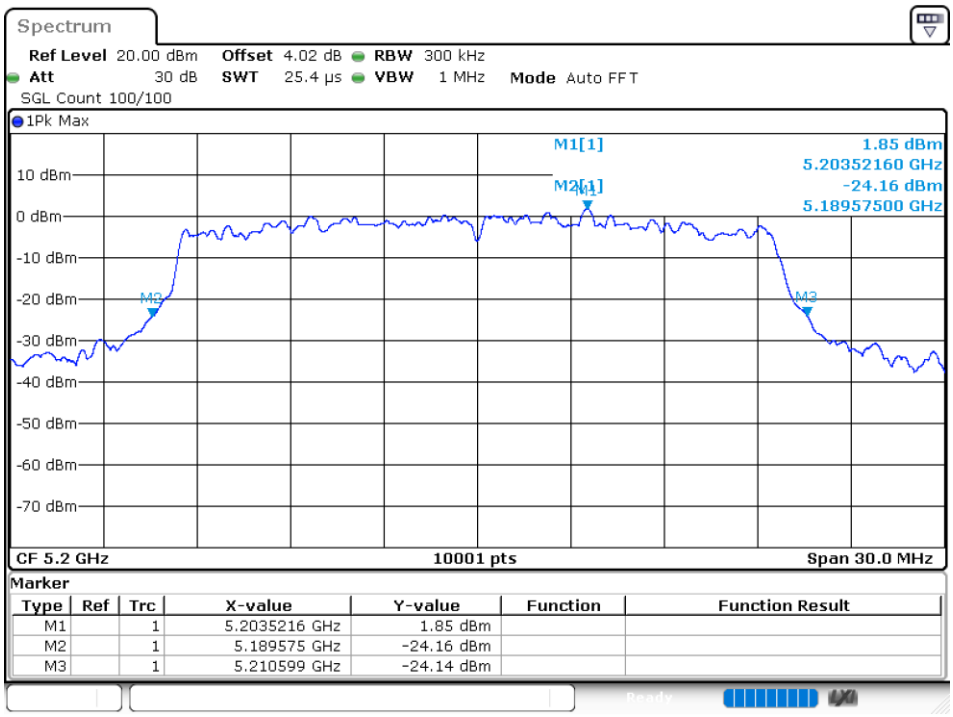
-26dB Bandwidth NVNT ac80 5210MHz Ant1



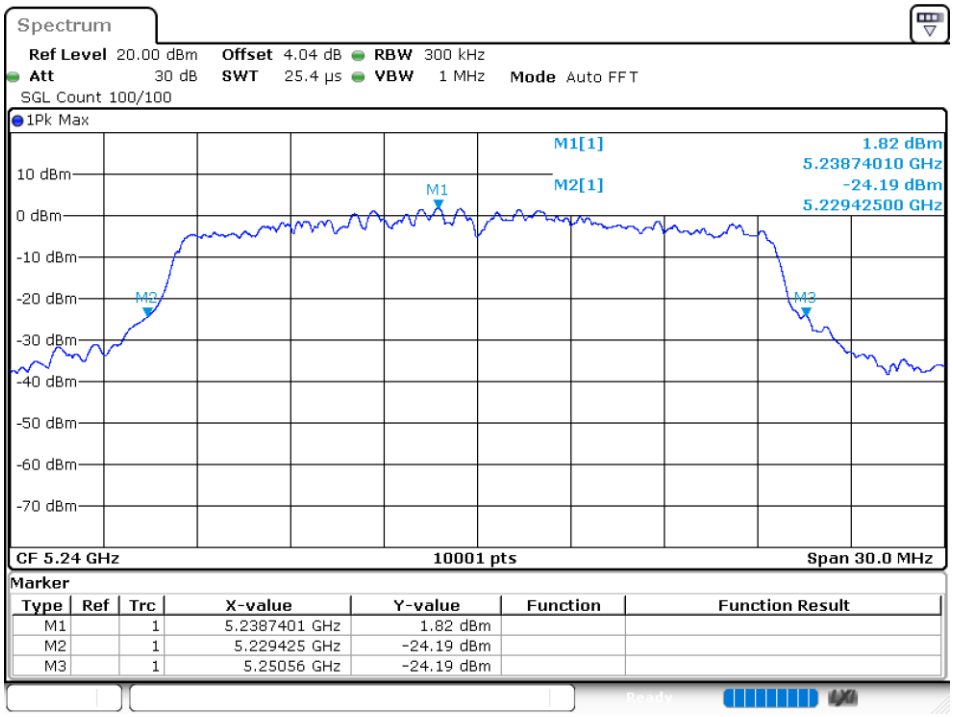
-26dB Bandwidth NVNT ax20 5180MHz Ant1



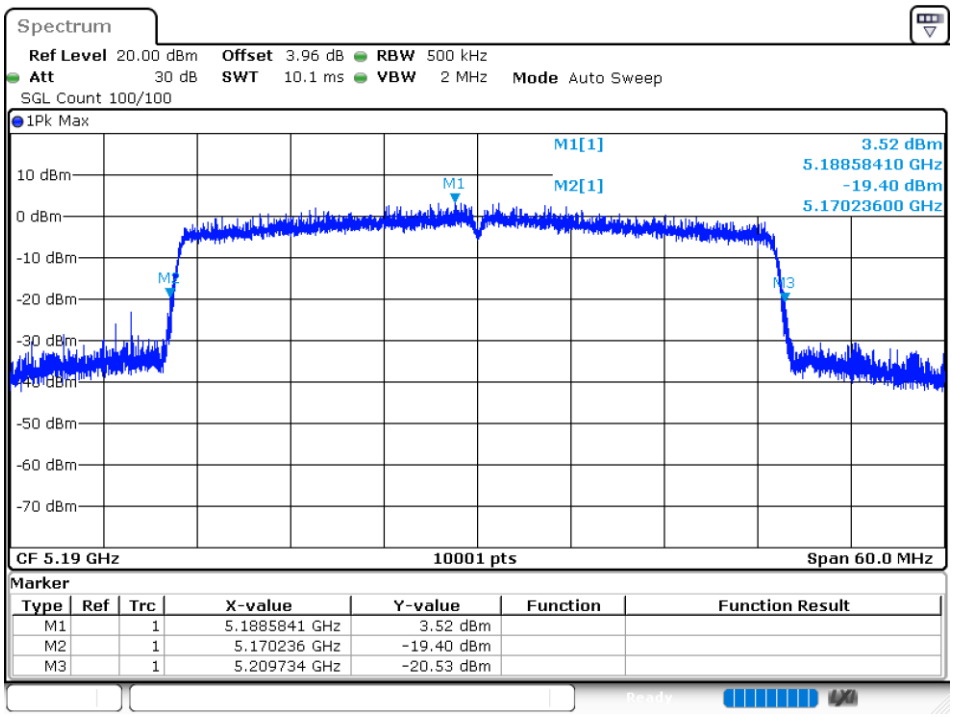
-26dB Bandwidth NVNT ax20 5200MHz Ant1



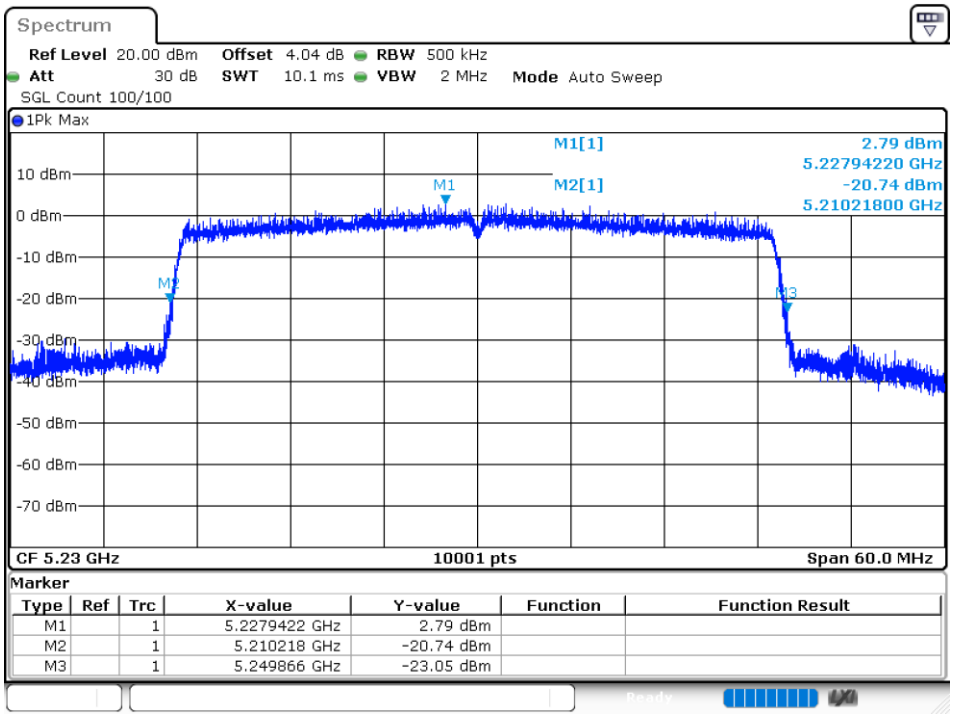
-26dB Bandwidth NVNT ax20 5240MHz Ant1



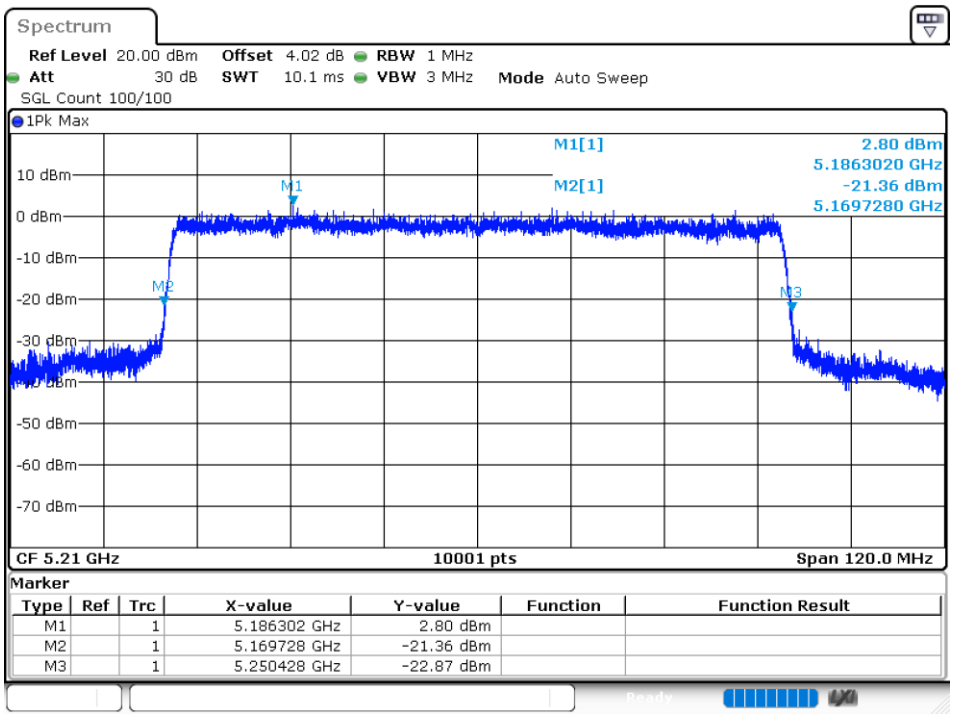
-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1



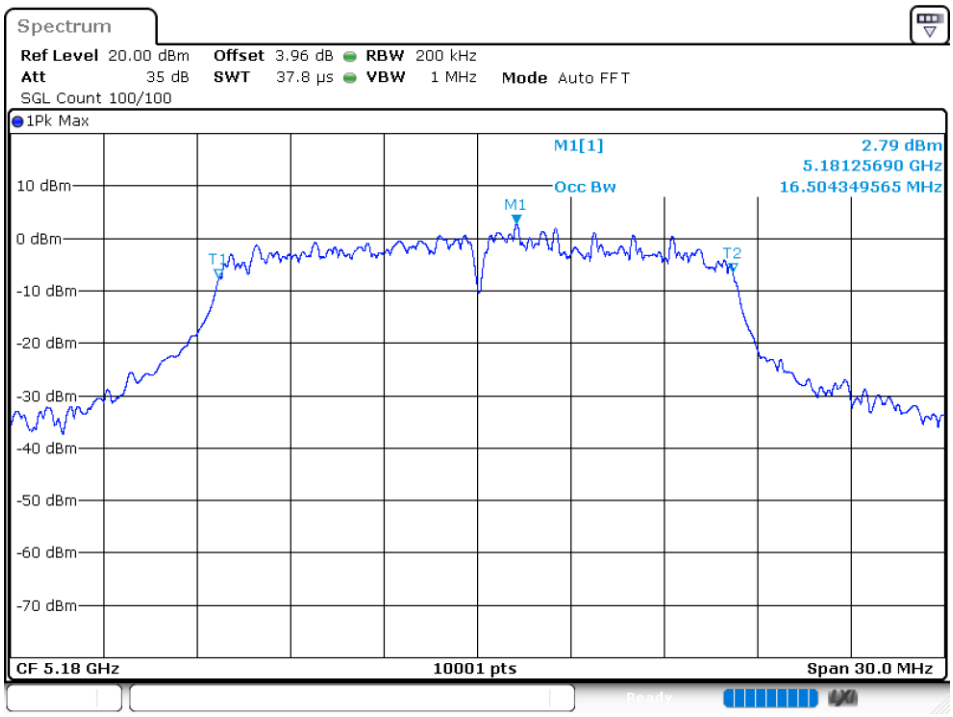
-26dB Bandwidth NVNT ax80 5210MHz Ant1



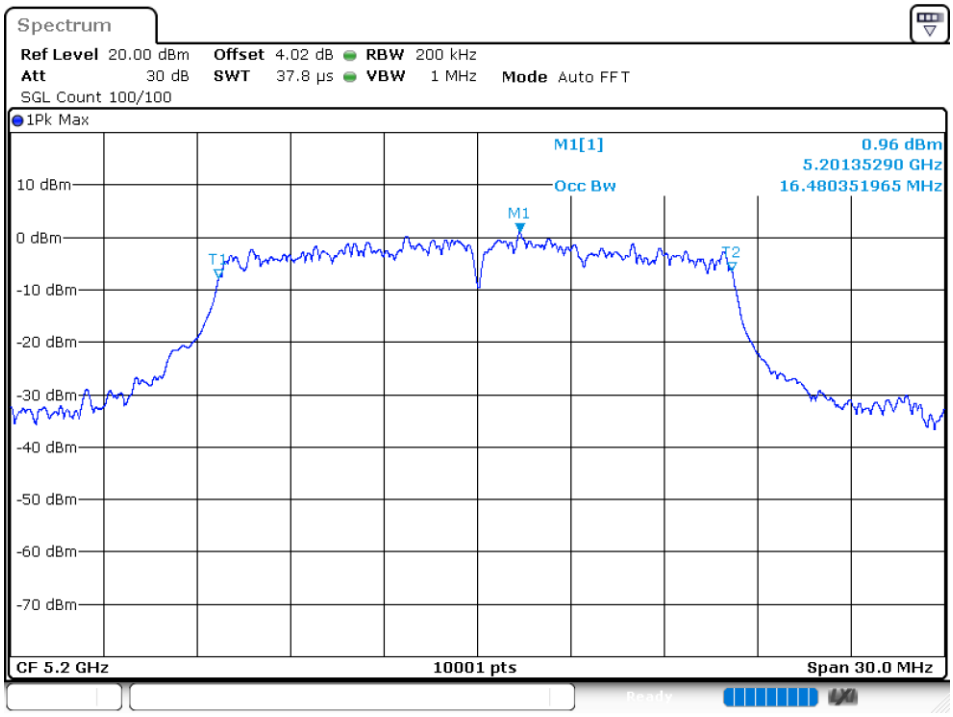
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.504
NVNT	a	5200	Ant1	16.48
NVNT	a	5240	Ant1	16.552
NVNT	n20	5180	Ant1	17.653
NVNT	n20	5200	Ant1	17.65
NVNT	n20	5240	Ant1	17.542
NVNT	n40	5190	Ant1	36.074
NVNT	n40	5230	Ant1	36.17
NVNT	ac20	5180	Ant1	17.572
NVNT	ac20	5200	Ant1	17.602
NVNT	ac20	5240	Ant1	17.632
NVNT	ac40	5190	Ant1	36.086
NVNT	ac40	5230	Ant1	36.17
NVNT	ac80	5210	Ant1	75.748
NVNT	ax20	5180	Ant1	18.841
NVNT	ax20	5200	Ant1	18.916
NVNT	ax20	5240	Ant1	18.853
NVNT	ax40	5190	Ant1	37.556
NVNT	ax40	5230	Ant1	37.586
NVNT	ax80	5210	Ant1	77.224

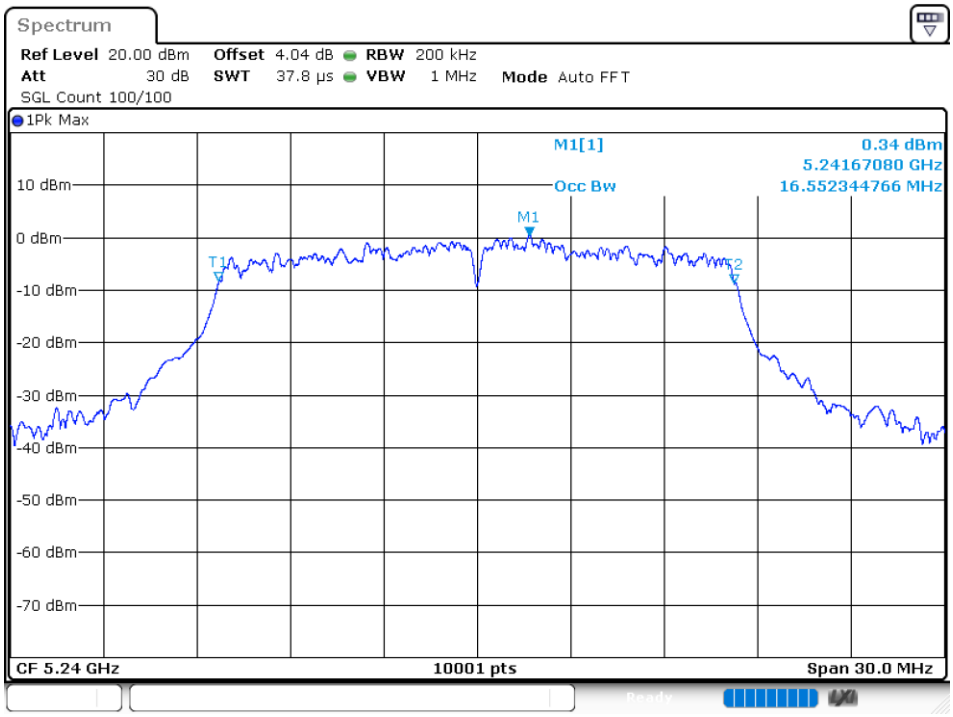
Test Graphs
OBW NVNT a 5180MHz Ant1



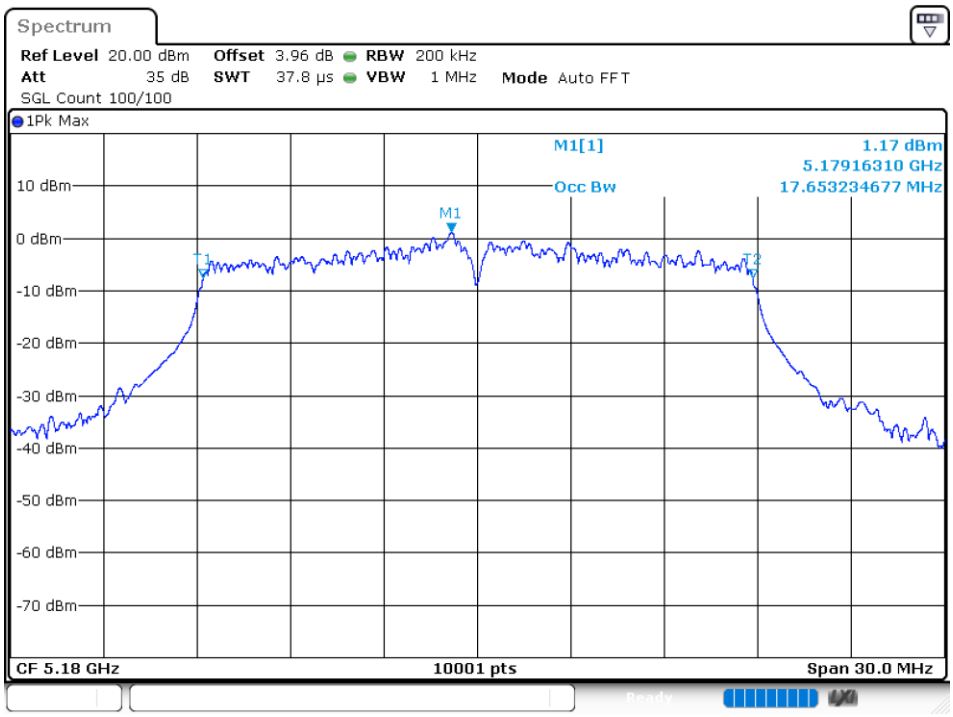
OBW NVNT a 5200MHz Ant1



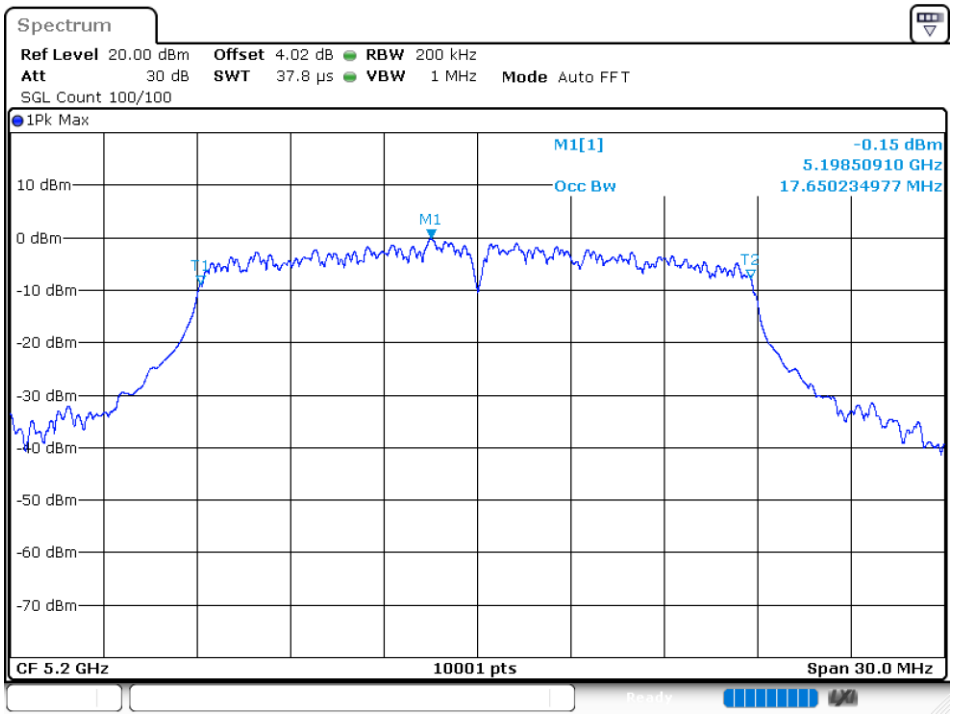
OBW NVNT a 5240MHz Ant1



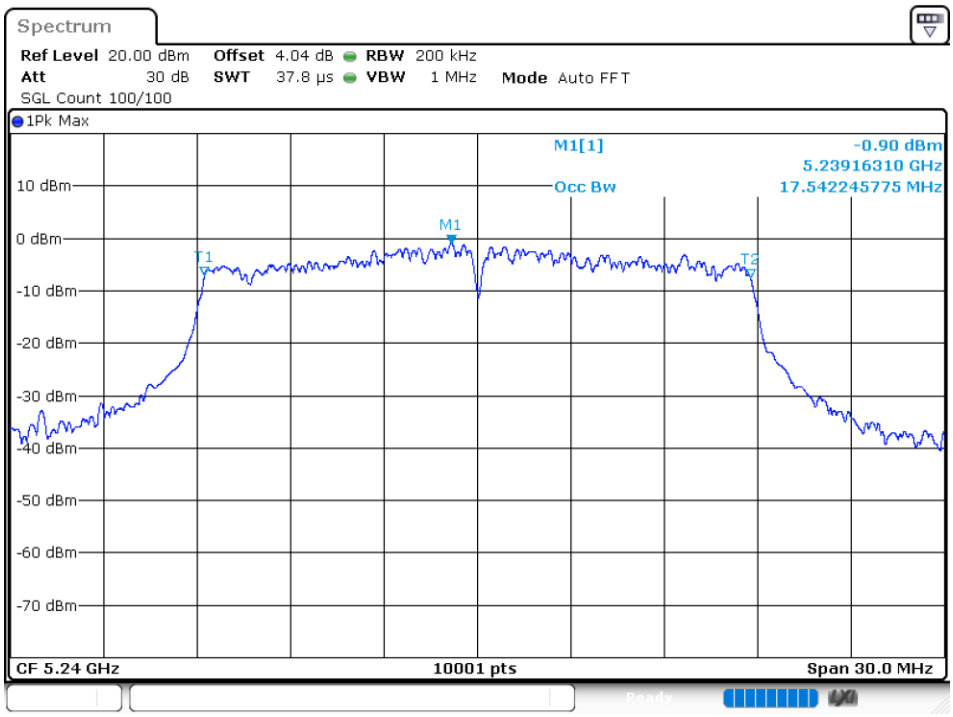
OBW NVNT n20 5180MHz Ant1



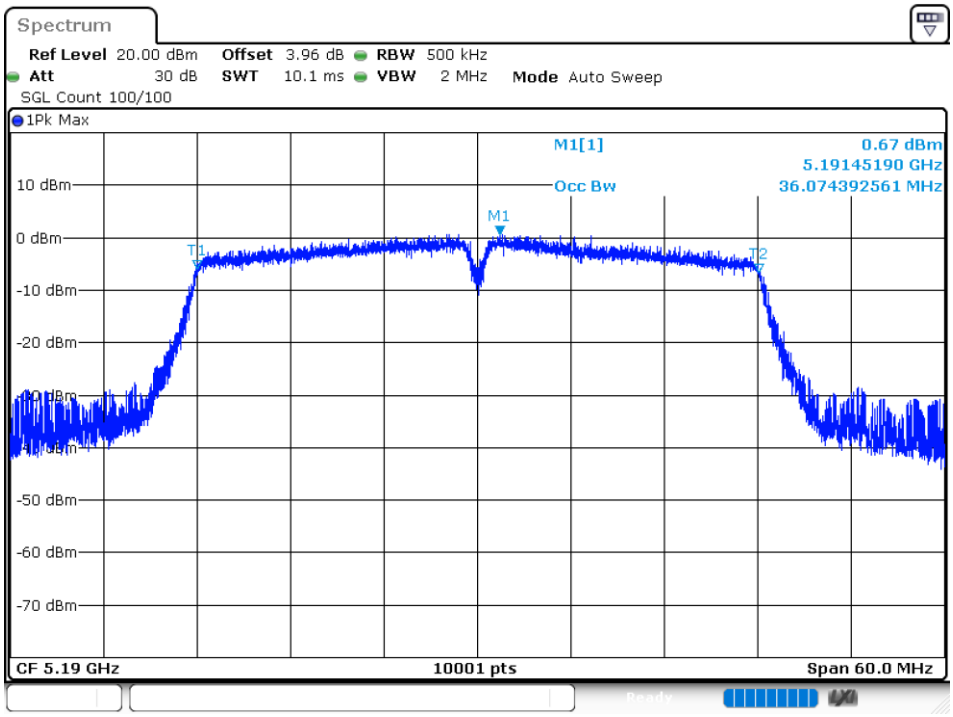
OBW NVNT n20 5200MHz Ant1



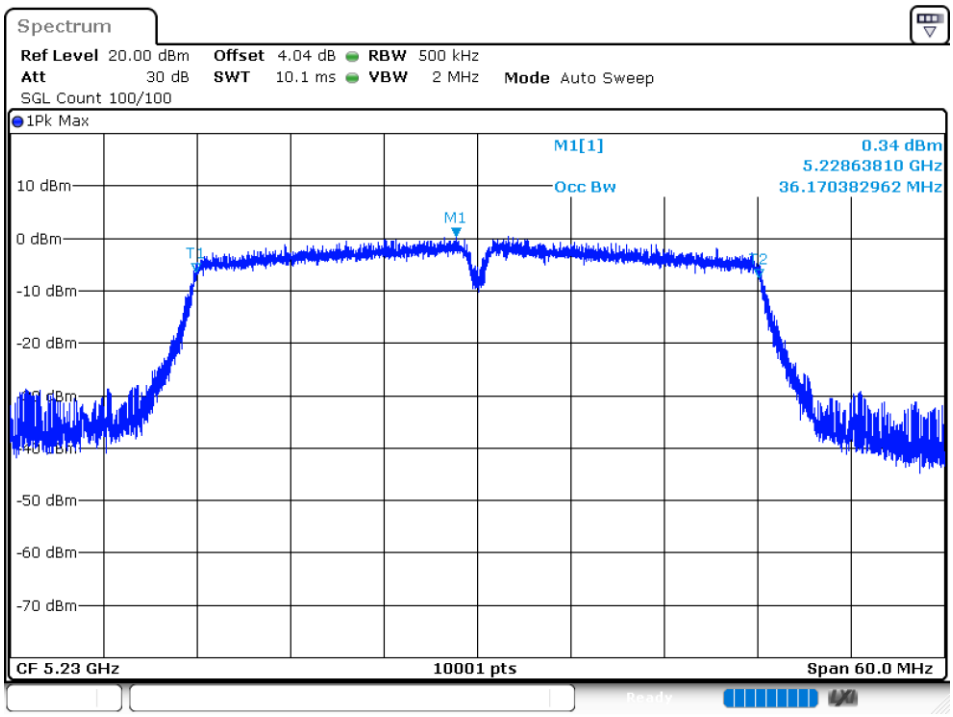
OBW NVNT n20 5240MHz Ant1



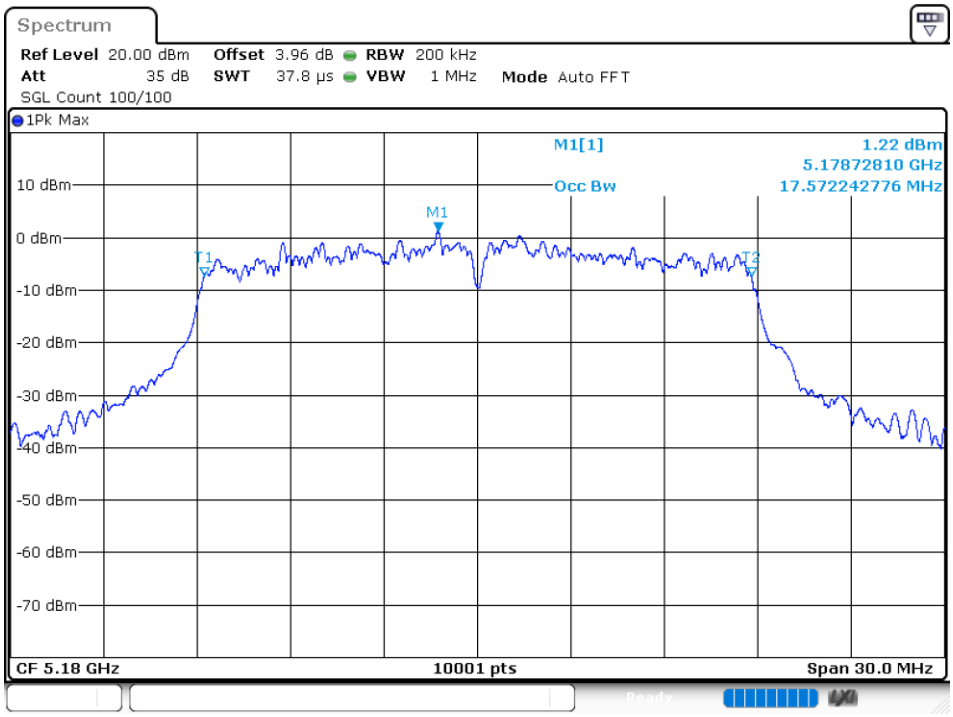
OBW NVNT n40 5190MHz Ant1



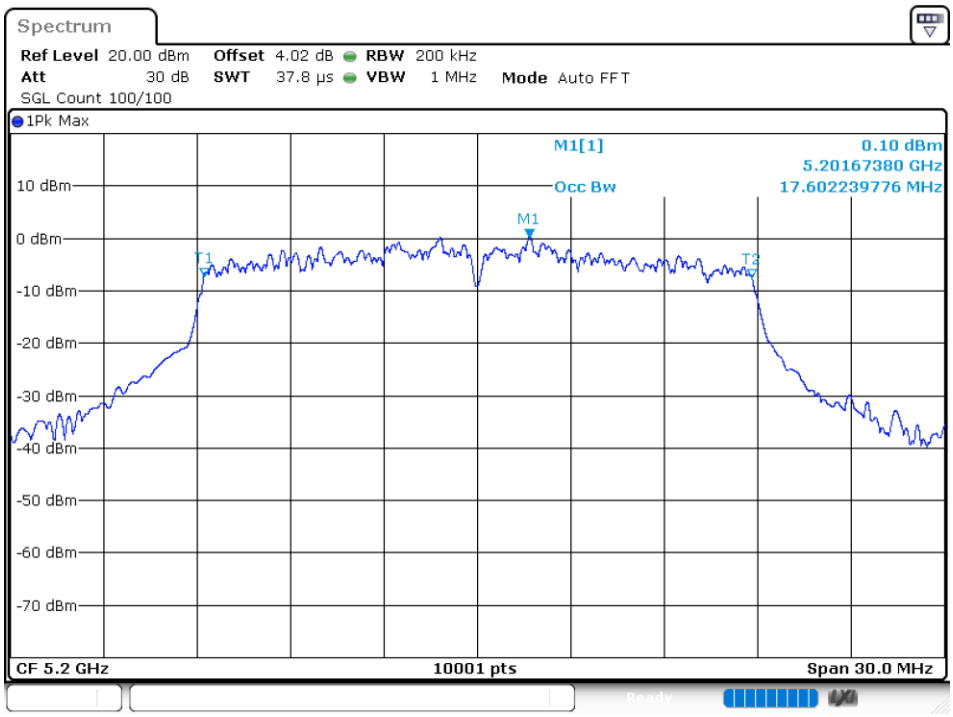
OBW NVNT n40 5230MHz Ant1



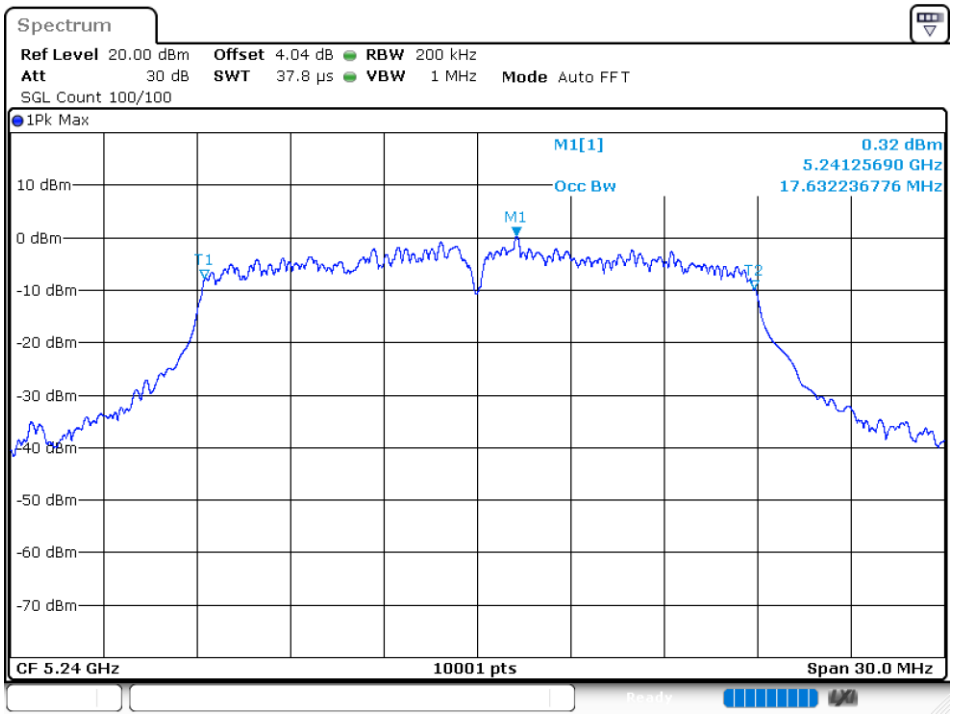
OBW NVNT ac20 5180MHz Ant1



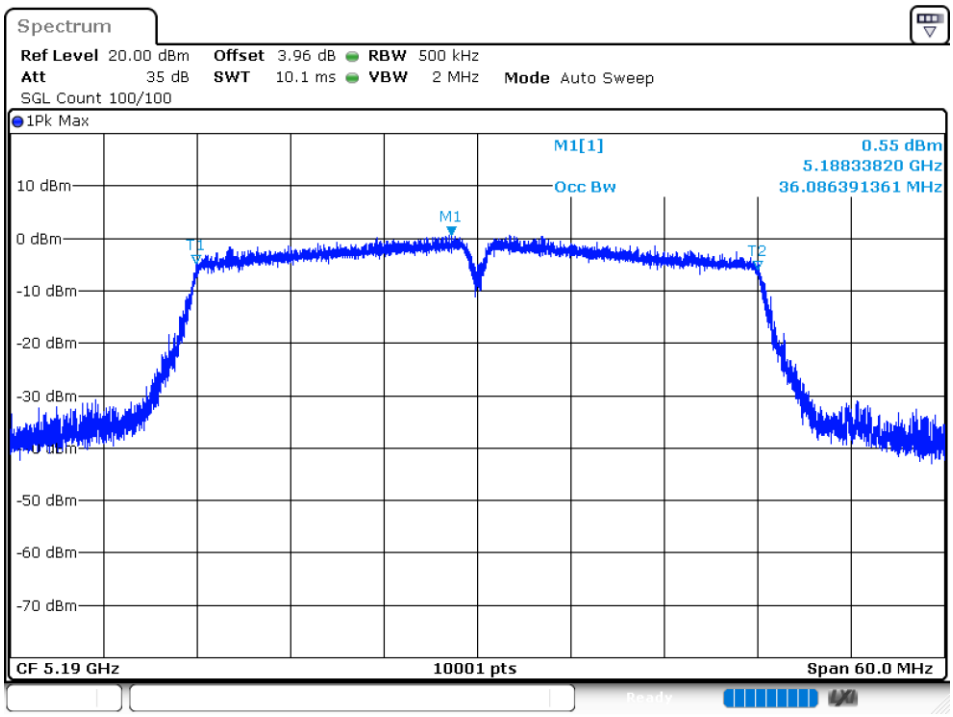
OBW NVNT ac20 5200MHz Ant1



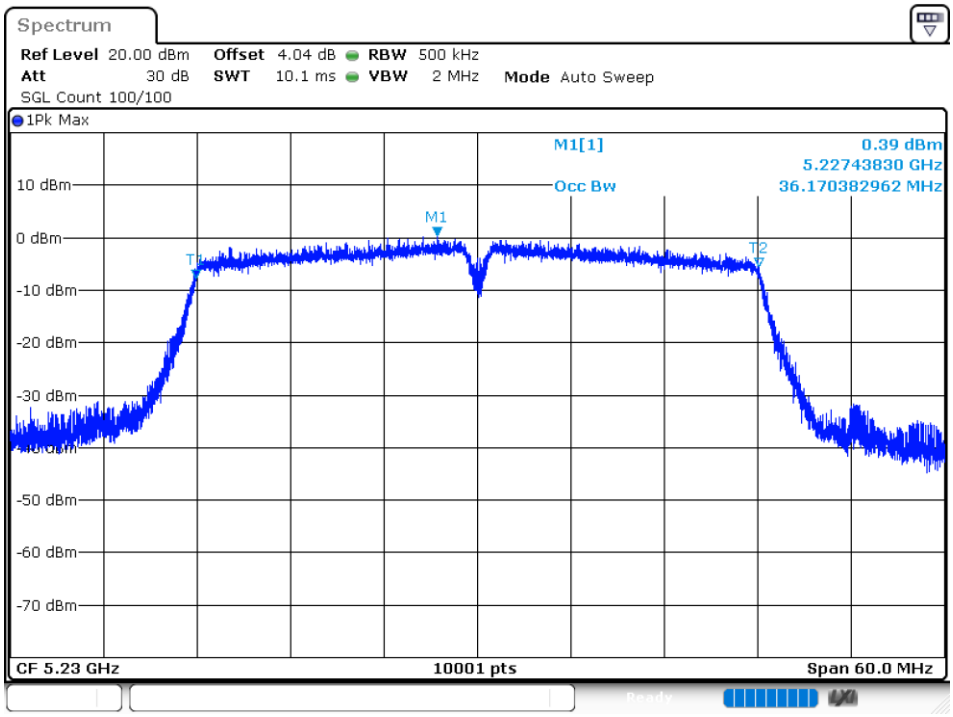
OBW NVNT ac20 5240MHz Ant1



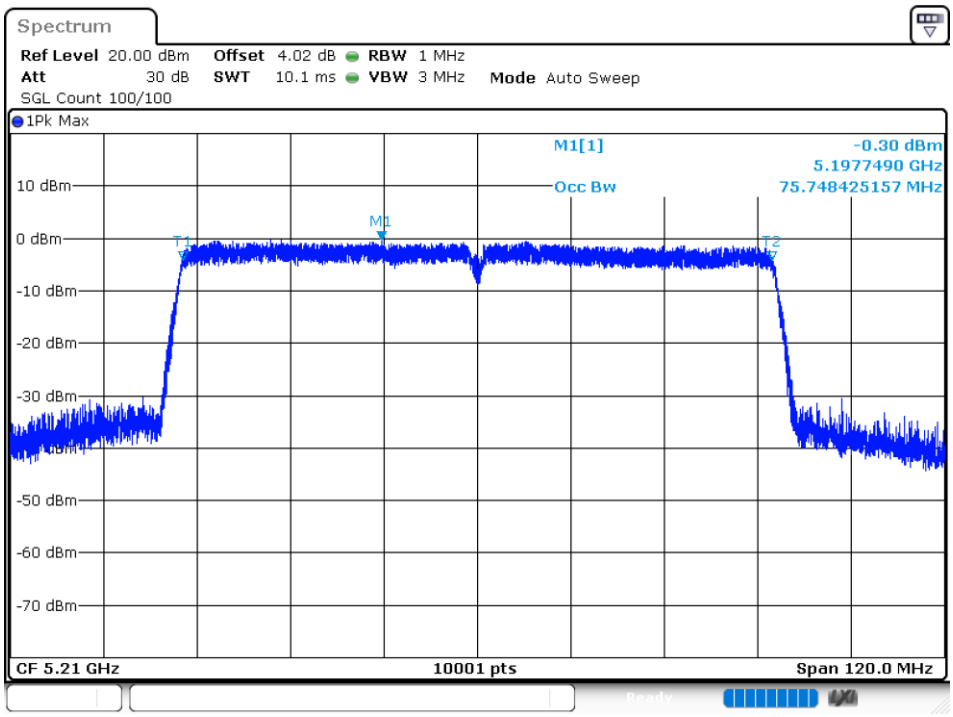
OBW NVNT ac40 5190MHz Ant1



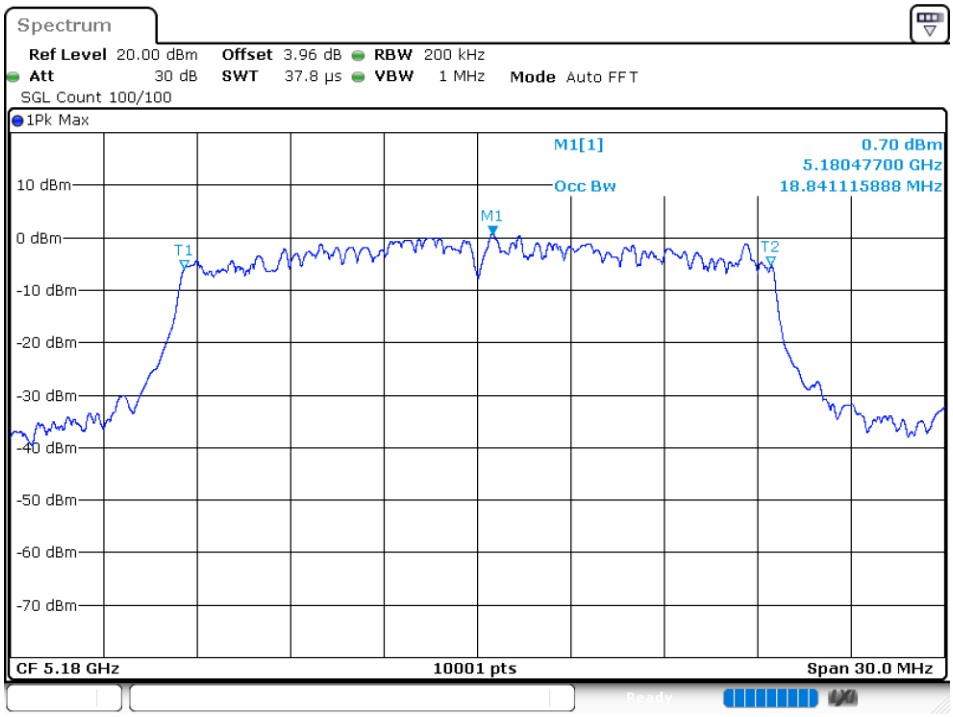
OBW NVNT ac40 5230MHz Ant1



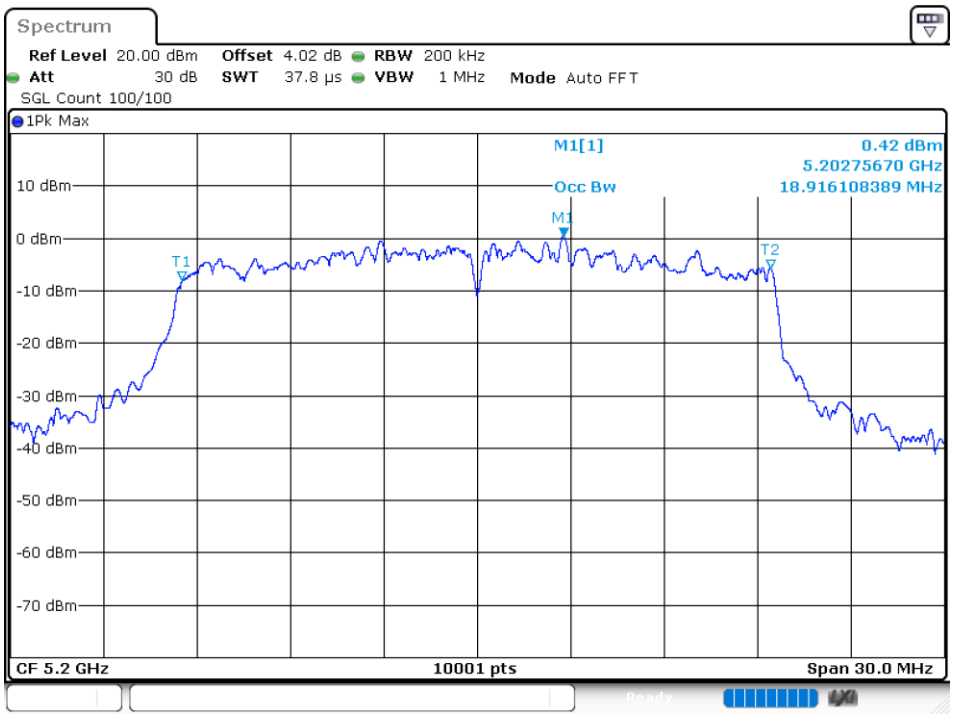
OBW NVNT ac80 5210MHz Ant1



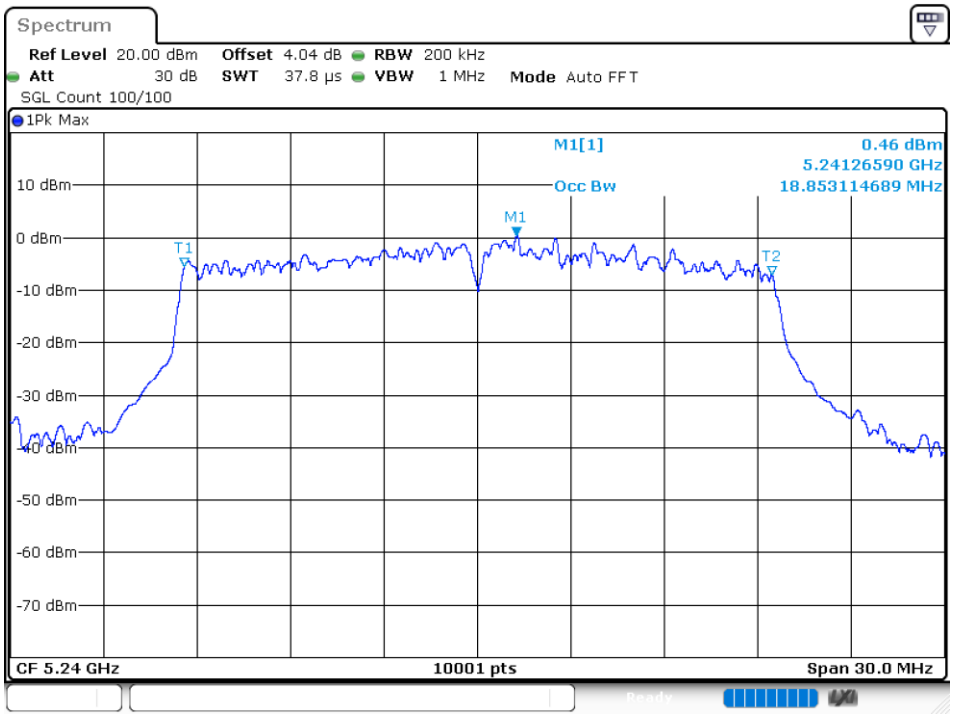
OBW NVNT ax20 5180MHz Ant1



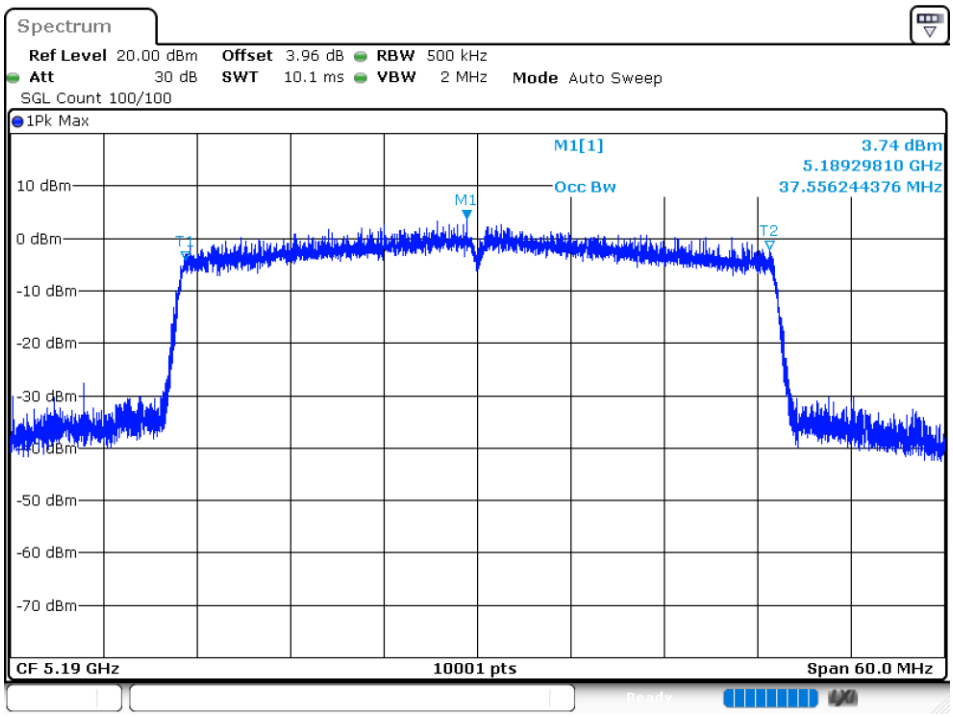
OBW NVNT ax20 5200MHz Ant1



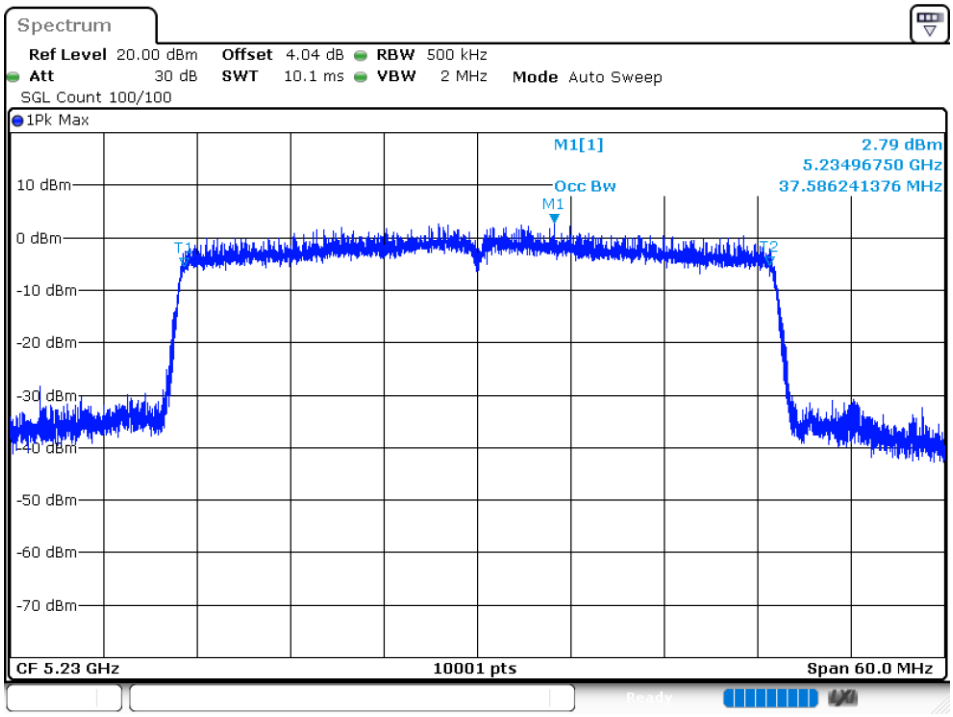
OBW NVNT ax20 5240MHz Ant1



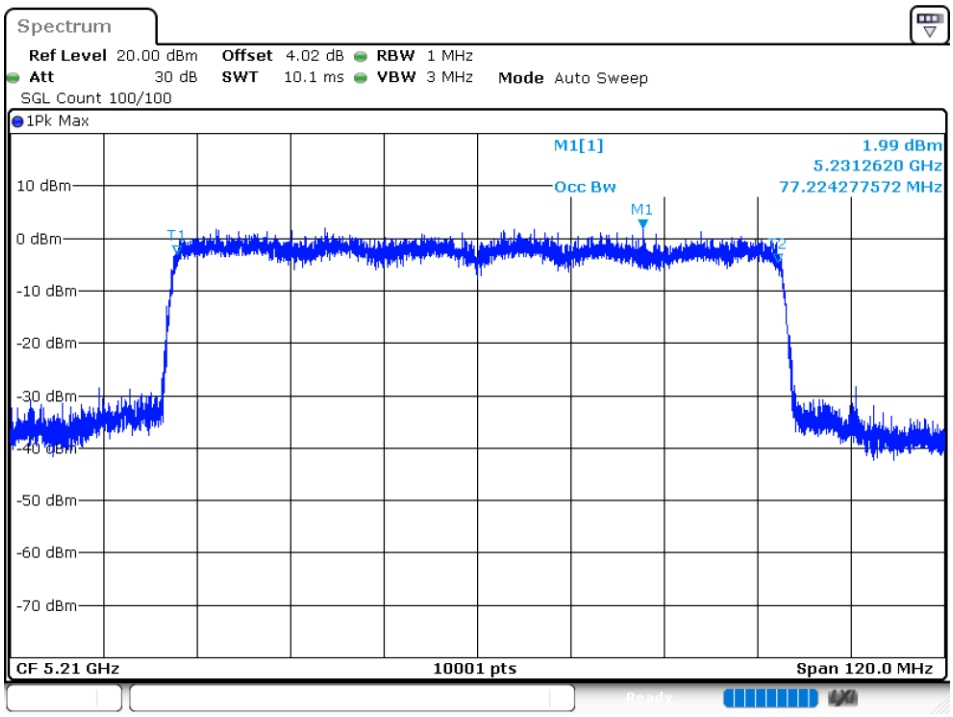
OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1



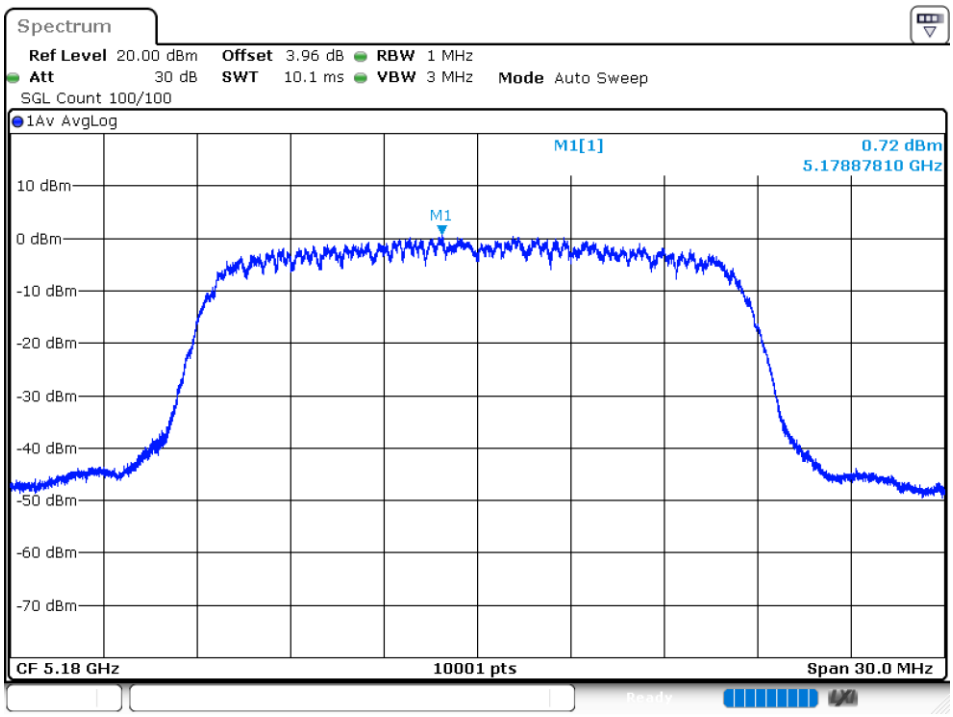
OBW NVNT ax80 5210MHz Ant1



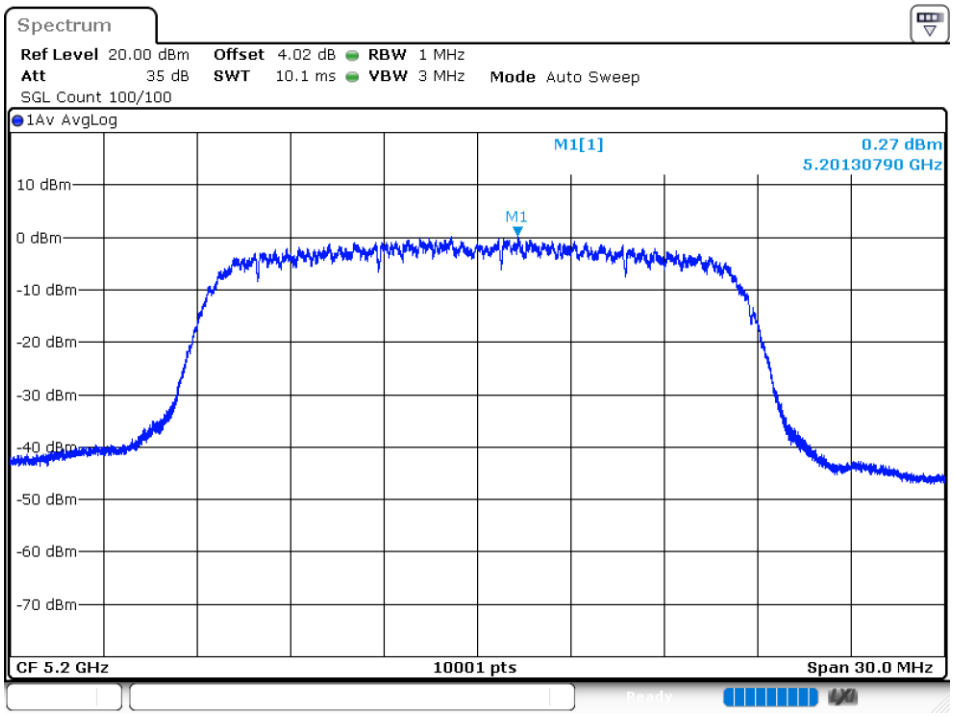
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.72	0.08	0.8	11	Pass
NVNT	a	5200	Ant1	0.27	0.08	0.35	11	Pass
NVNT	a	5240	Ant1	-0.18	0.08	-0.1	11	Pass
NVNT	n20	5180	Ant1	0.28	0.08	0.36	11	Pass
NVNT	n20	5200	Ant1	0.03	0.09	0.12	11	Pass
NVNT	n20	5240	Ant1	0.06	0.08	0.14	11	Pass
NVNT	n40	5190	Ant1	-3.23	0.16	-3.07	11	Pass
NVNT	n40	5230	Ant1	-3.59	0.16	-3.43	11	Pass
NVNT	ac20	5180	Ant1	0.58	0.08	0.66	11	Pass
NVNT	ac20	5200	Ant1	0.18	0.09	0.27	11	Pass
NVNT	ac20	5240	Ant1	-0.21	0.09	-0.12	11	Pass
NVNT	ac40	5190	Ant1	-3.49	0.16	-3.33	11	Pass
NVNT	ac40	5230	Ant1	-4	0.16	-3.84	11	Pass
NVNT	ac80	5210	Ant1	-8.15	0.31	-7.84	11	Pass
NVNT	ax20	5180	Ant1	0.89	0.09	0.98	11	Pass
NVNT	ax20	5200	Ant1	0.57	0.09	0.66	11	Pass
NVNT	ax20	5240	Ant1	-0.42	0.08	-0.34	11	Pass
NVNT	ax40	5190	Ant1	-3.14	0.16	-2.98	11	Pass
NVNT	ax40	5230	Ant1	-3.44	0.16	-3.28	11	Pass
NVNT	ax80	5210	Ant1	-8.42	0.31	-8.11	11	Pass

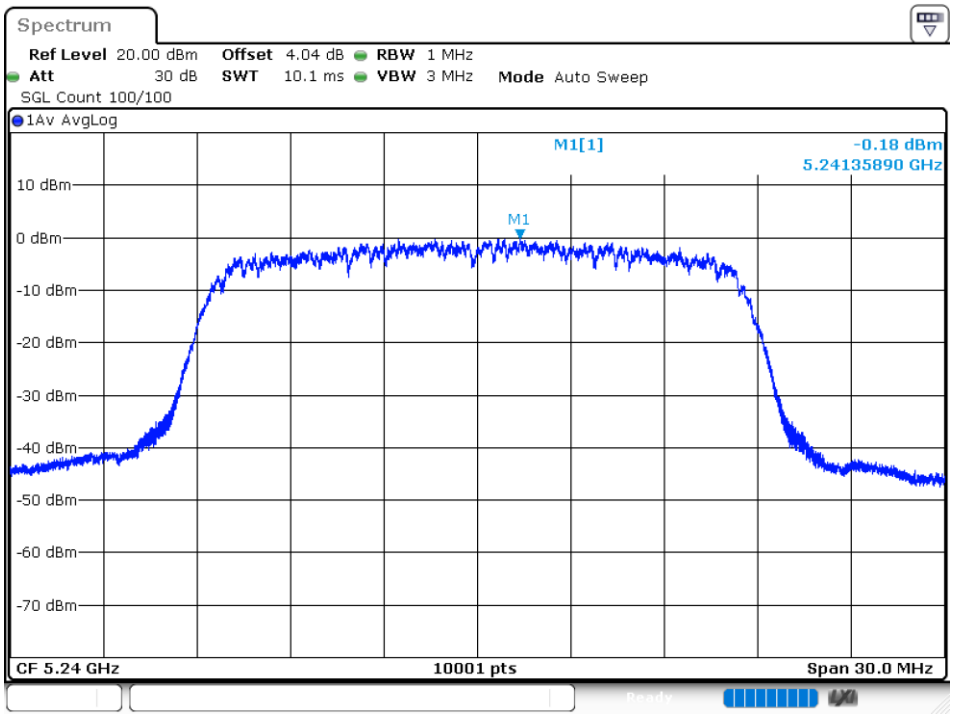
Test Graphs
PSD NVNT a 5180MHz Ant1



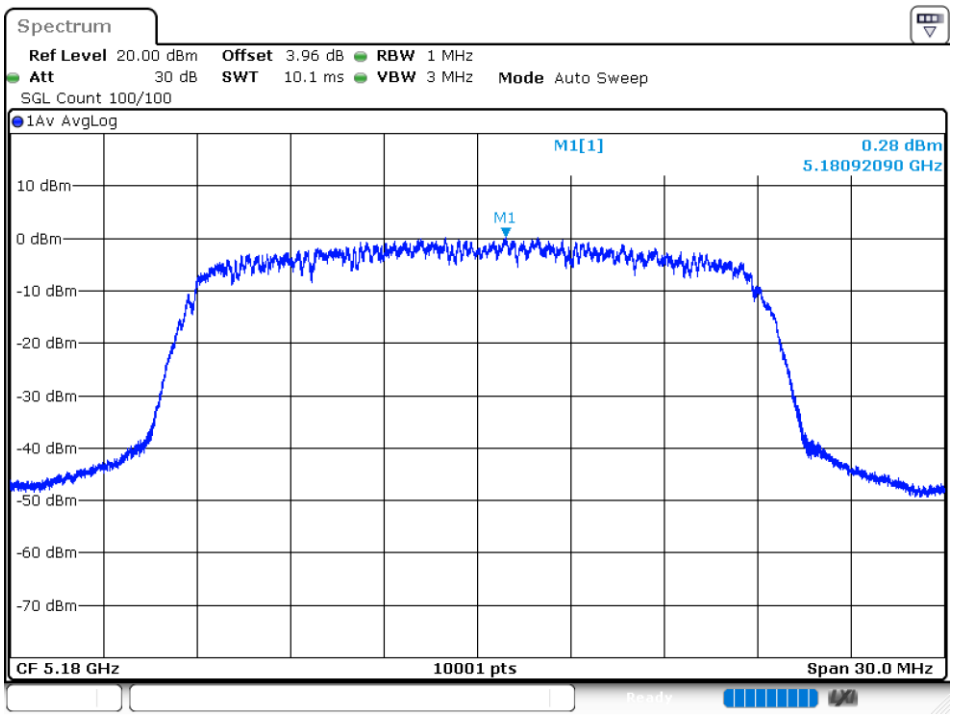
PSD NVNT a 5200MHz Ant1



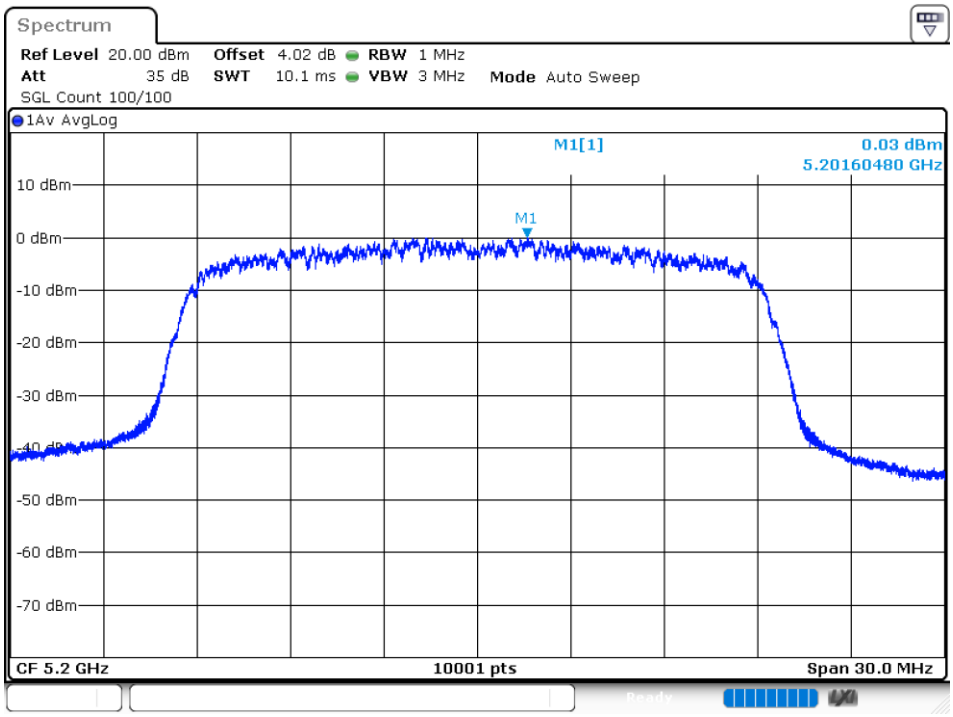
PSD NVNT a 5240MHz Ant1



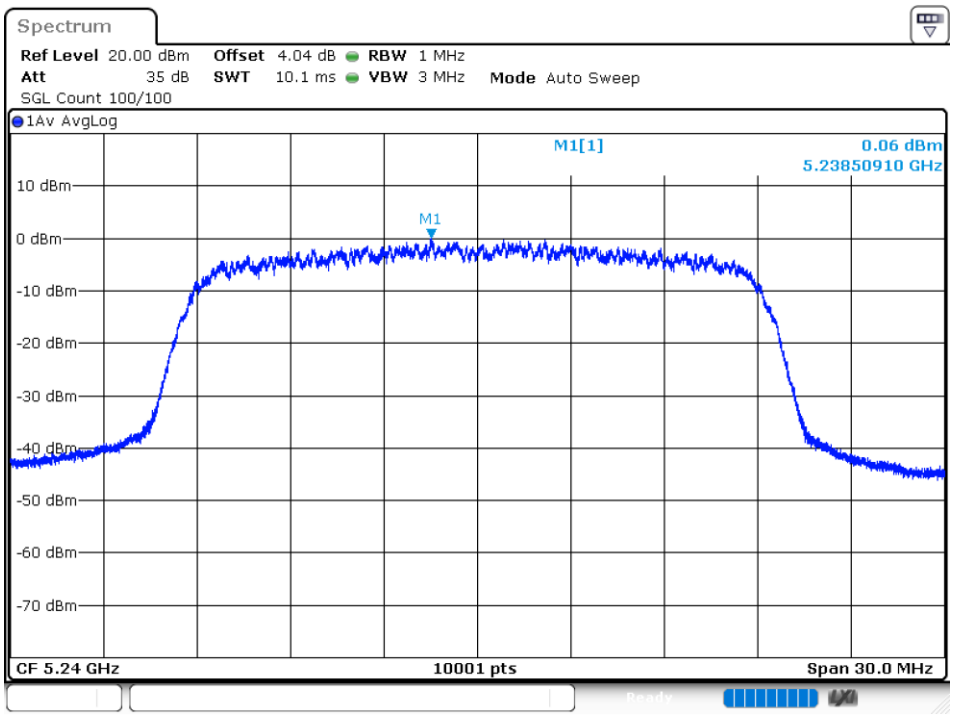
PSD NVNT n20 5180MHz Ant1



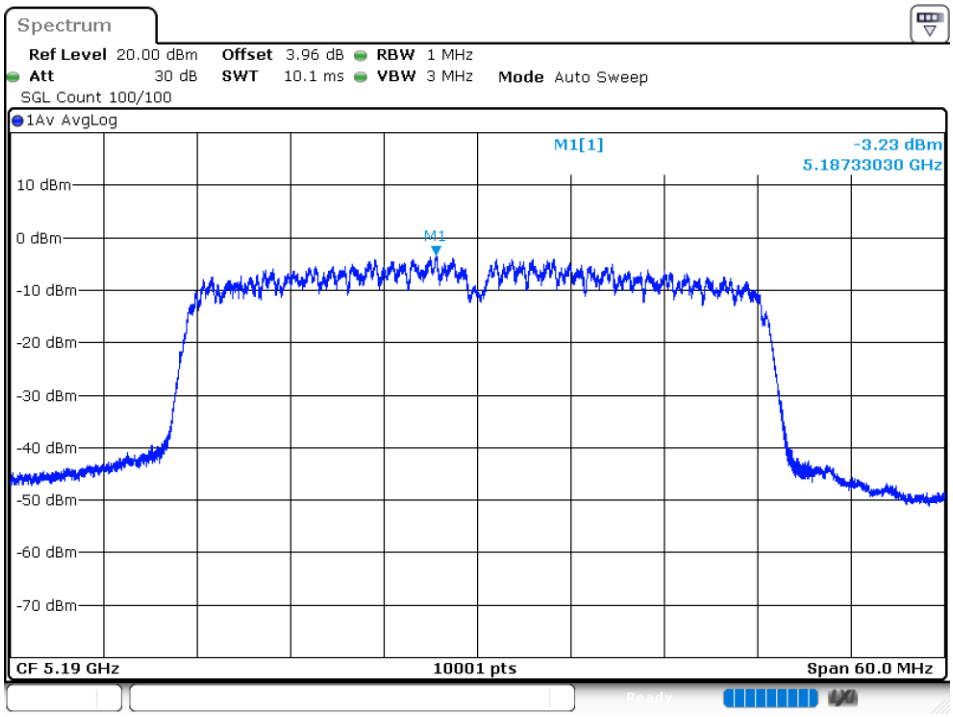
PSD NVNT n20 5200MHz Ant1



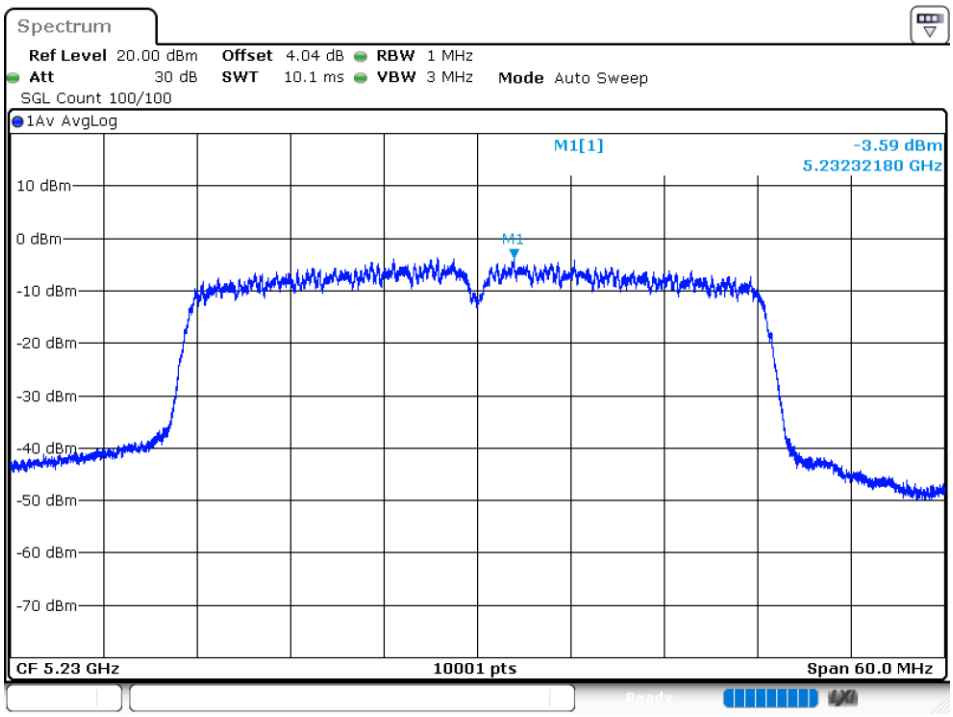
PSD NVNT n20 5240MHz Ant1



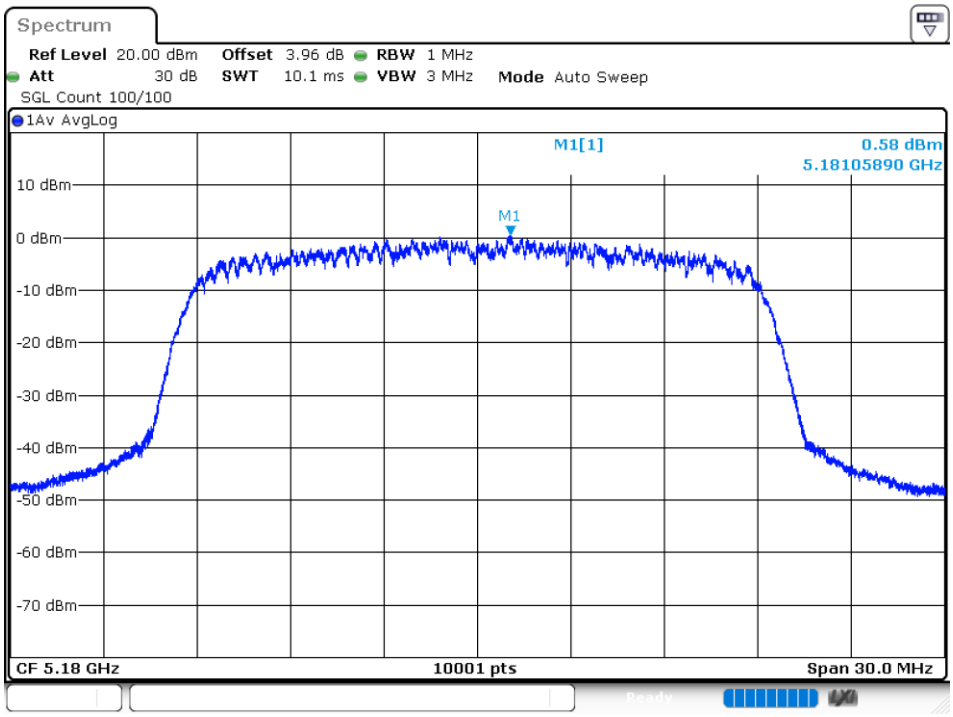
PSD NVNT n40 5190MHz Ant1



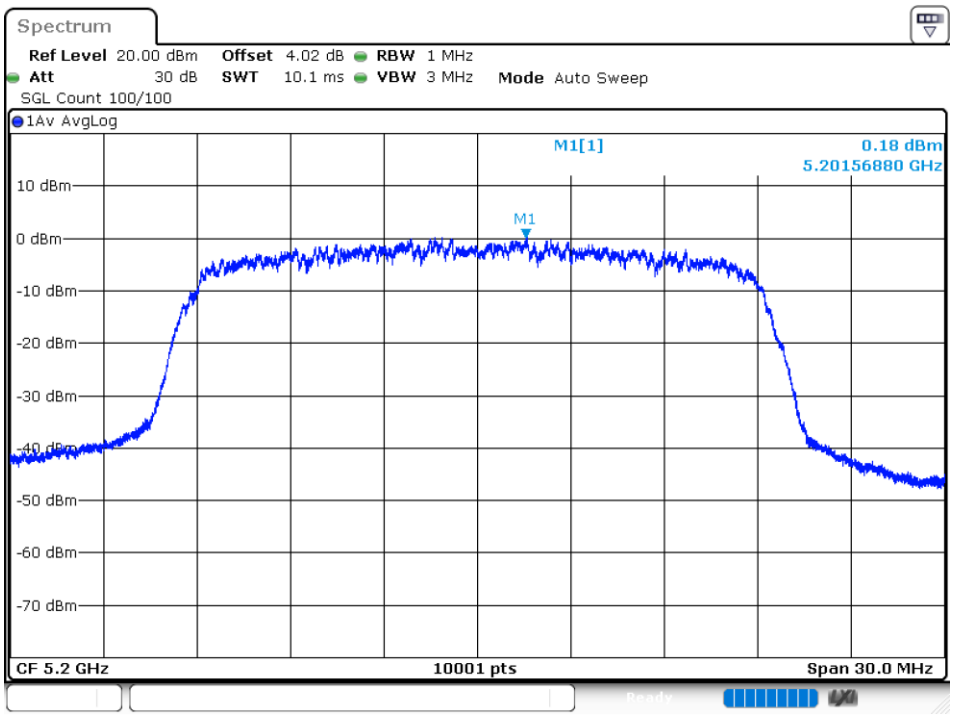
PSD NVNT n40 5230MHz Ant1



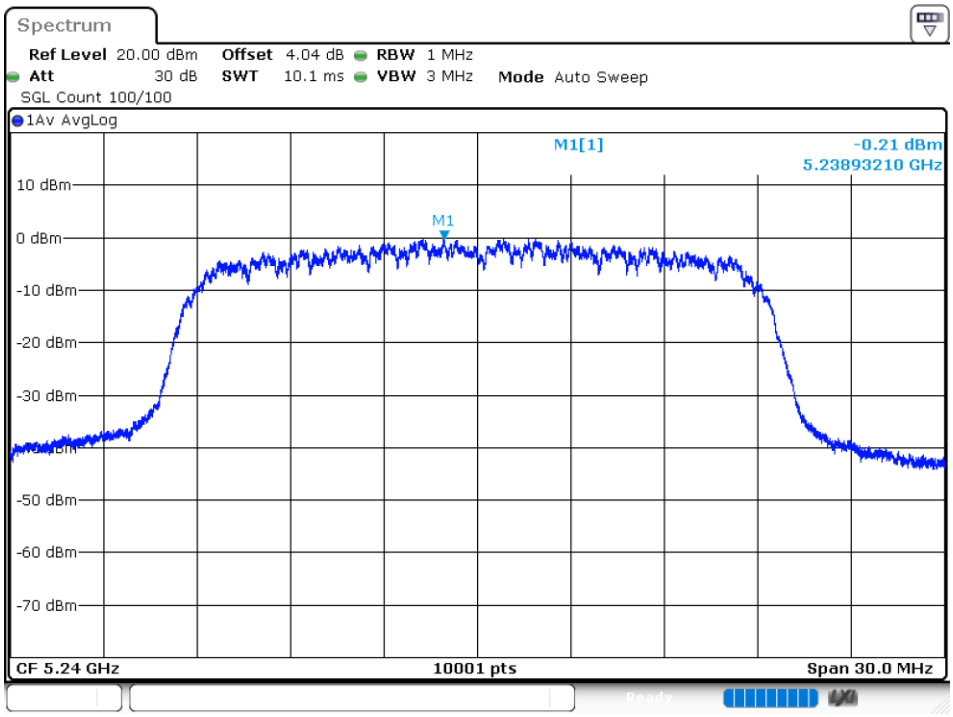
PSD NVNT ac20 5180MHz Ant1



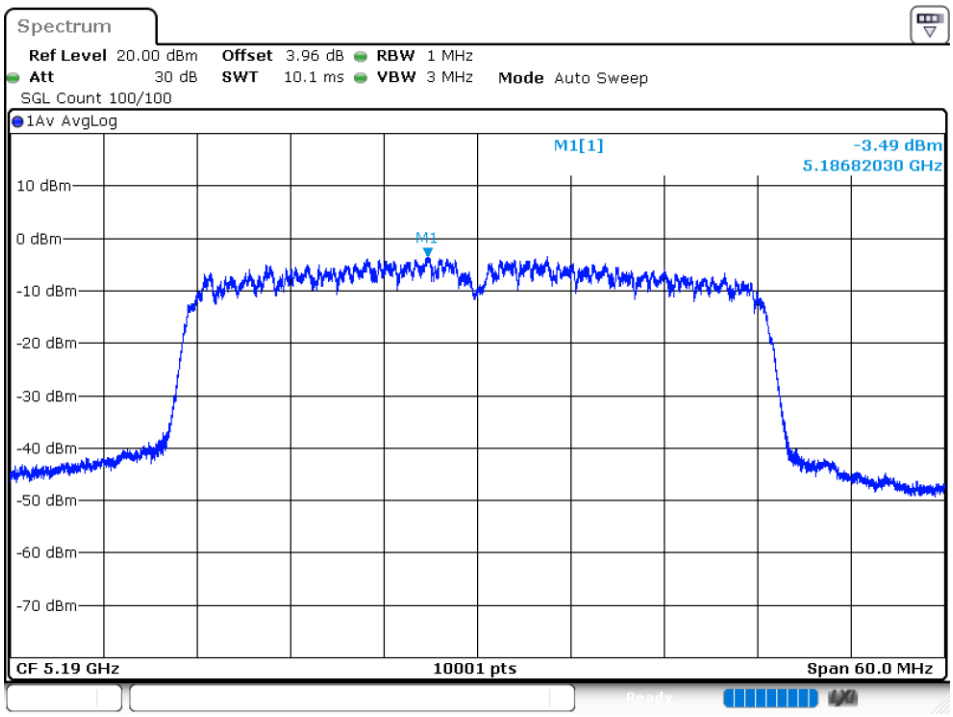
PSD NVNT ac20 5200MHz Ant1



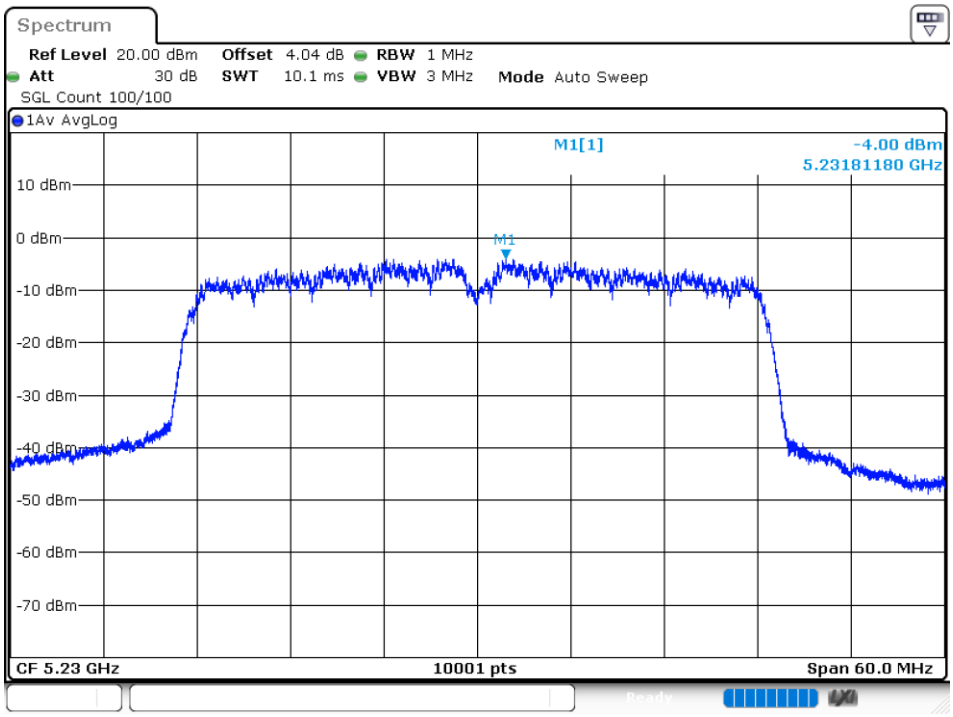
PSD NVNT ac20 5240MHz Ant1



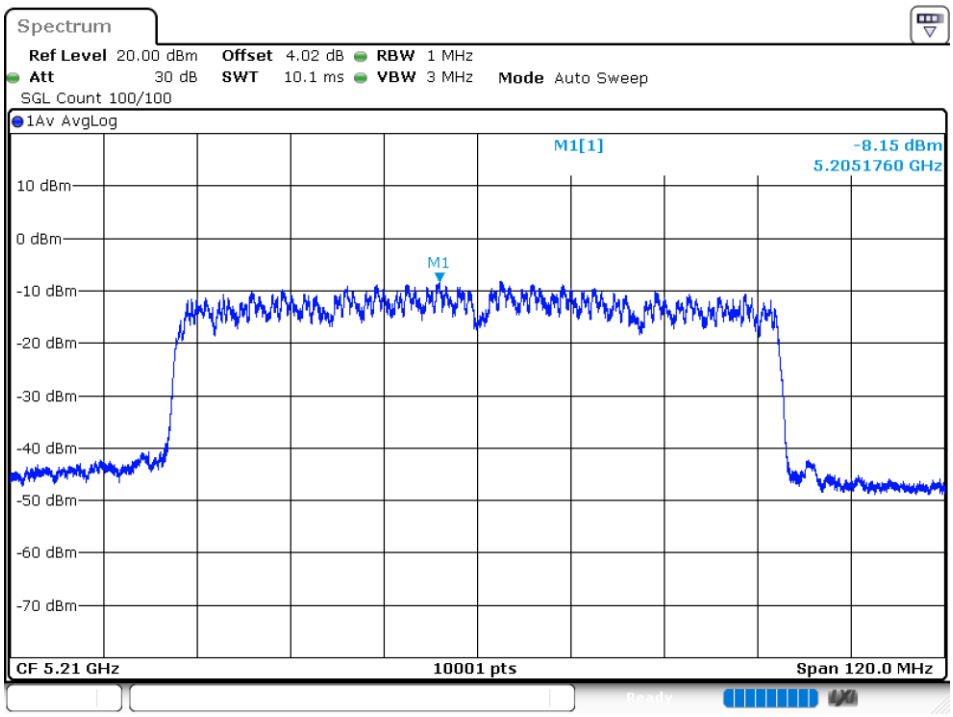
PSD NVNT ac40 5190MHz Ant1



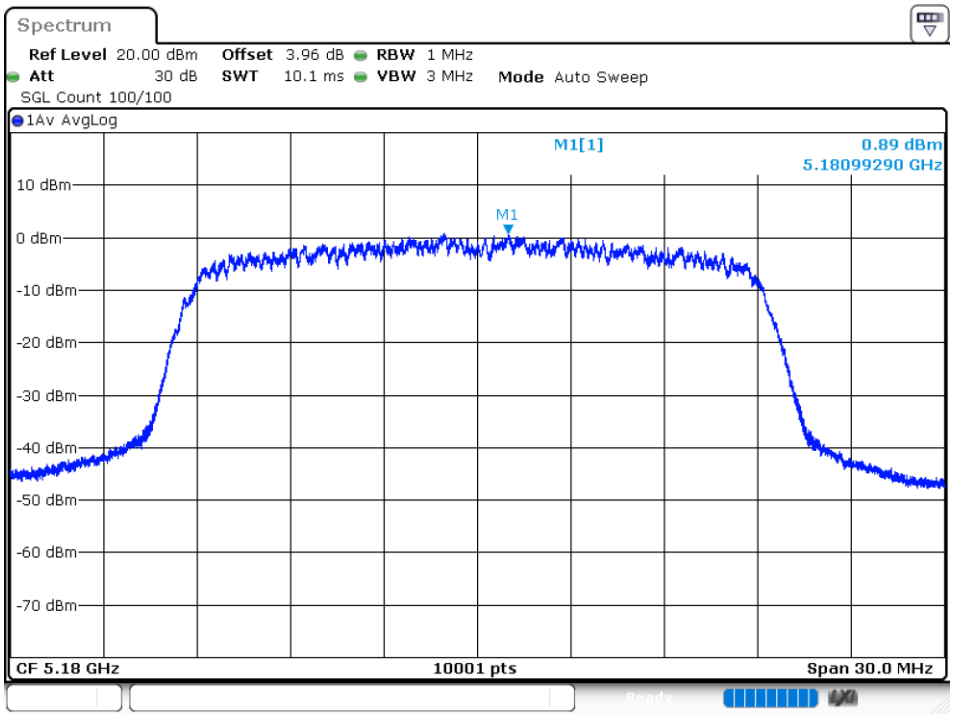
PSD NVNT ac40 5230MHz Ant1



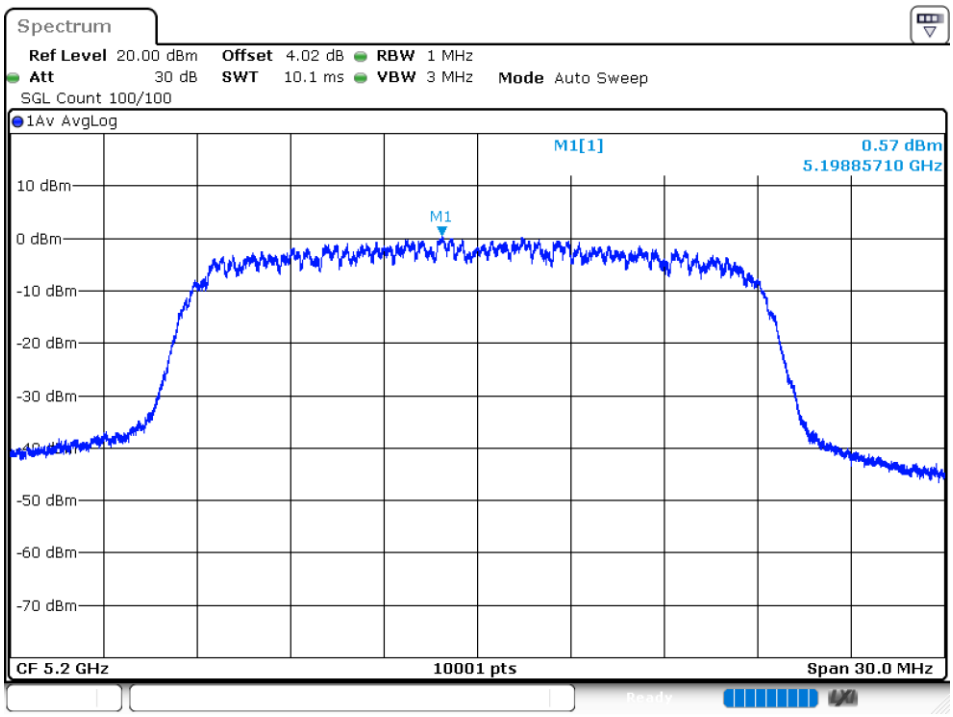
PSD NVNT ac80 5210MHz Ant1



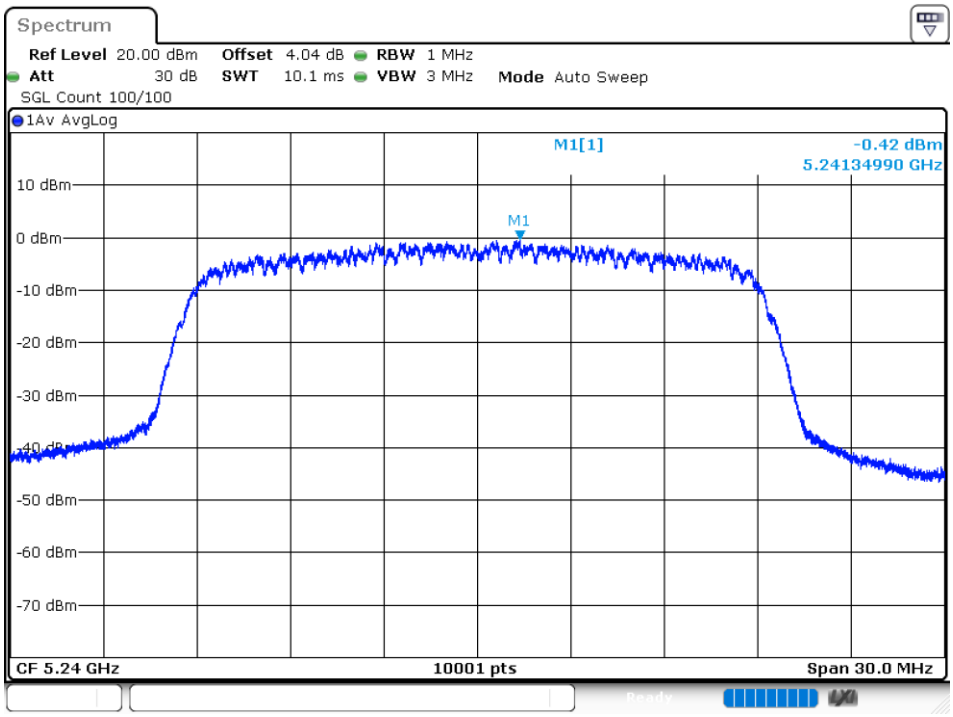
PSD NVNT ax20 5180MHz Ant1



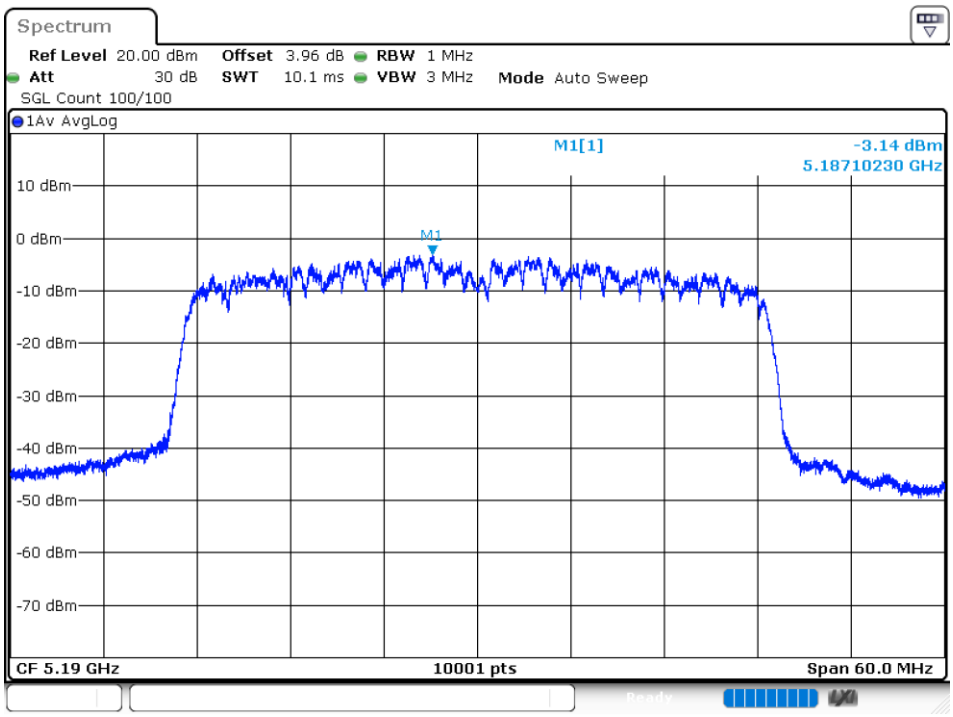
PSD NVNT ax20 5200MHz Ant1



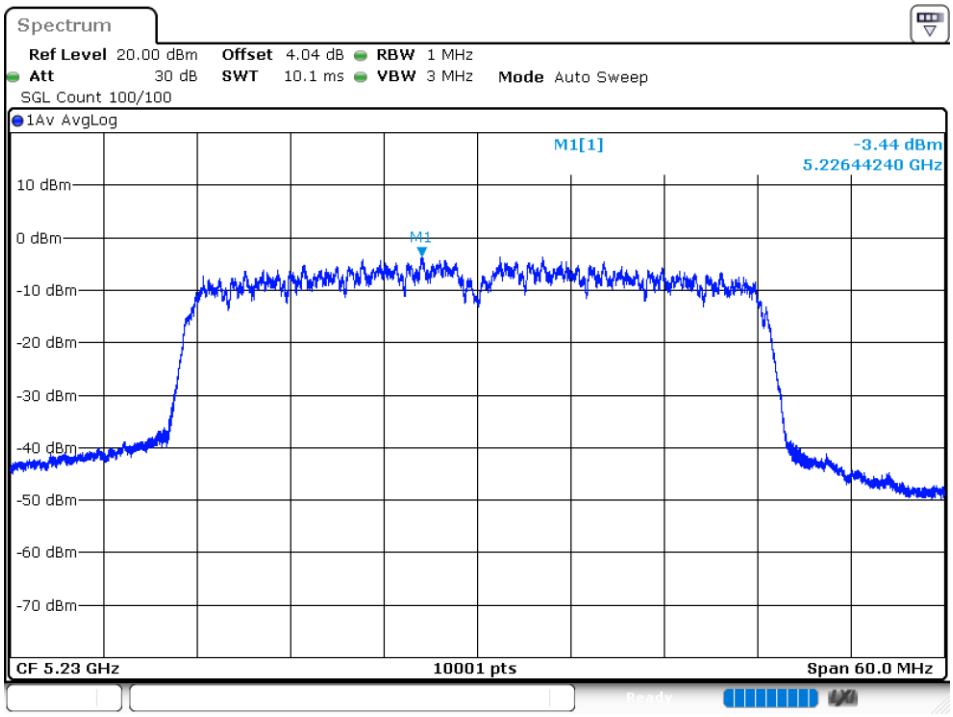
PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1



PSD NVNT ax80 5210MHz Ant1