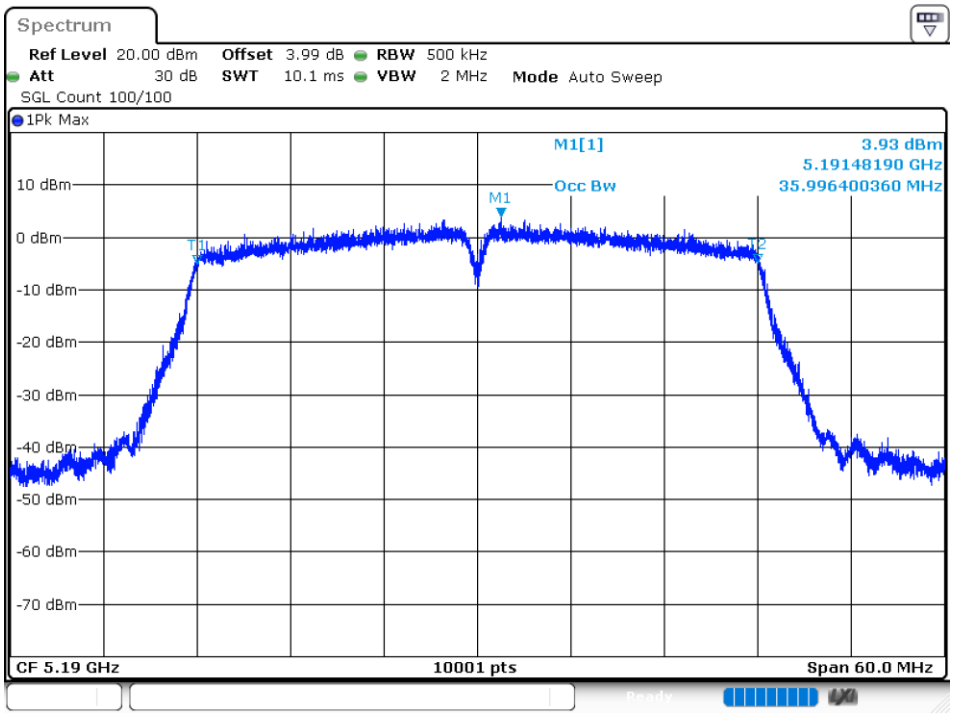
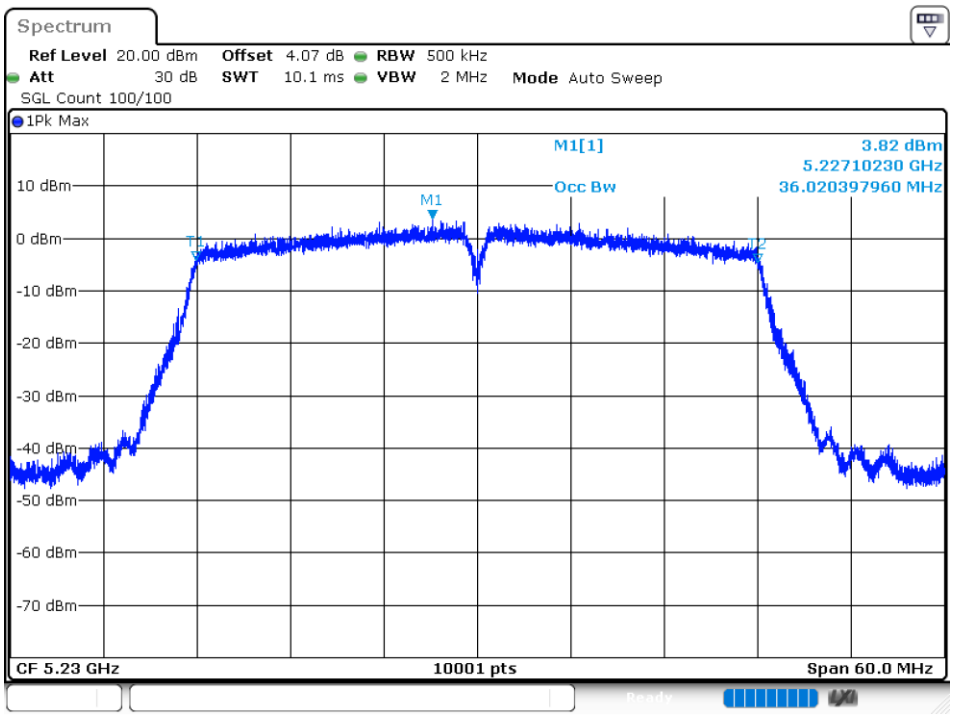
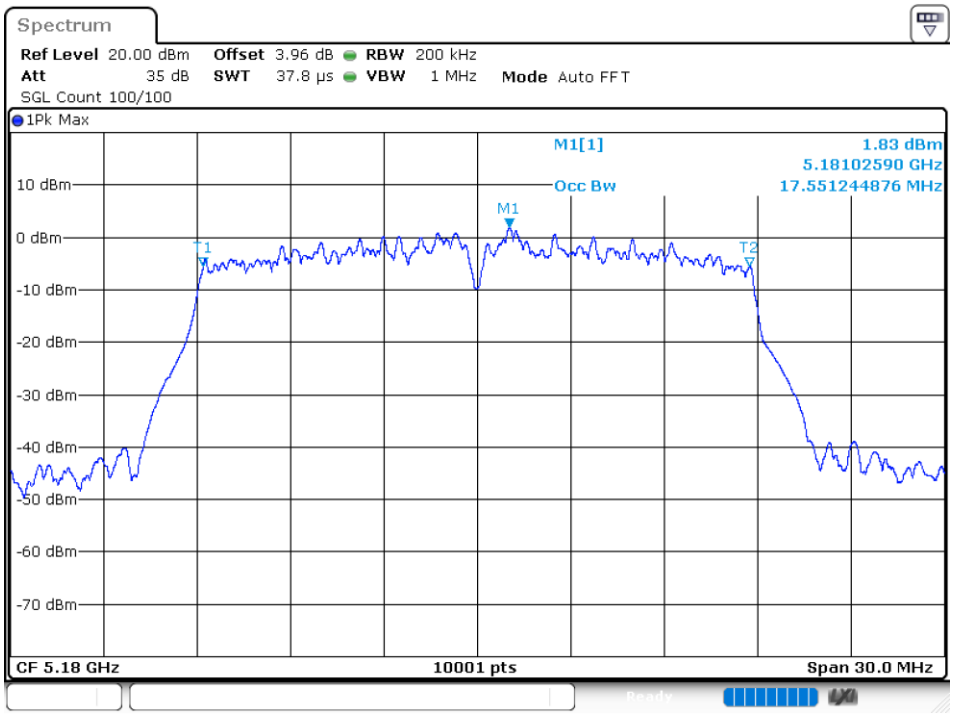
OBW NVNT n40 5190MHz Ant2



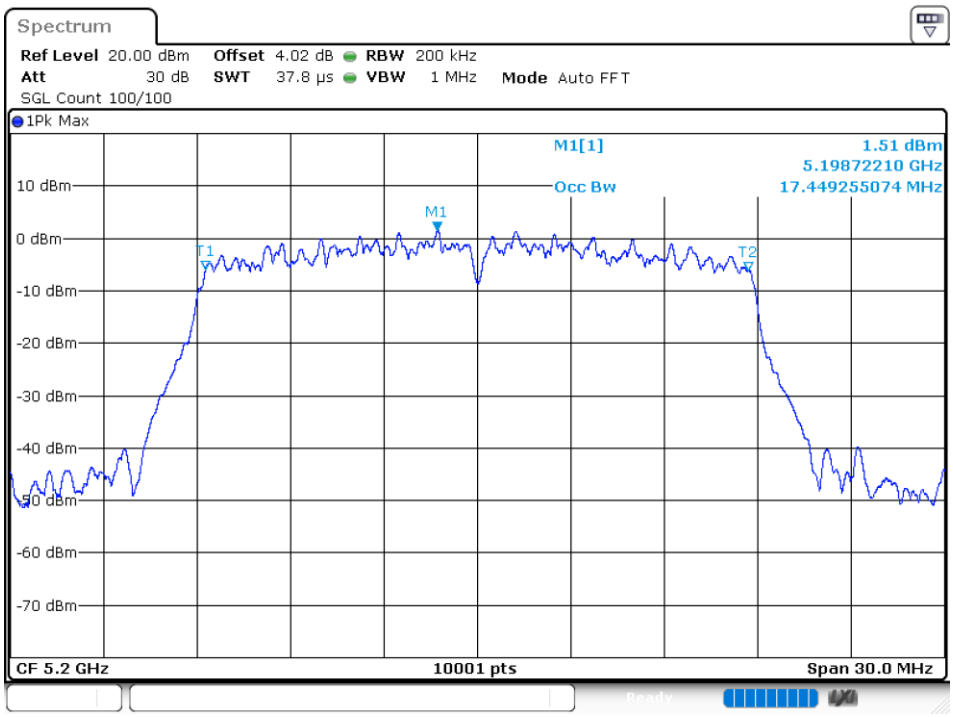
OBW NVNT n40 5230MHz Ant2



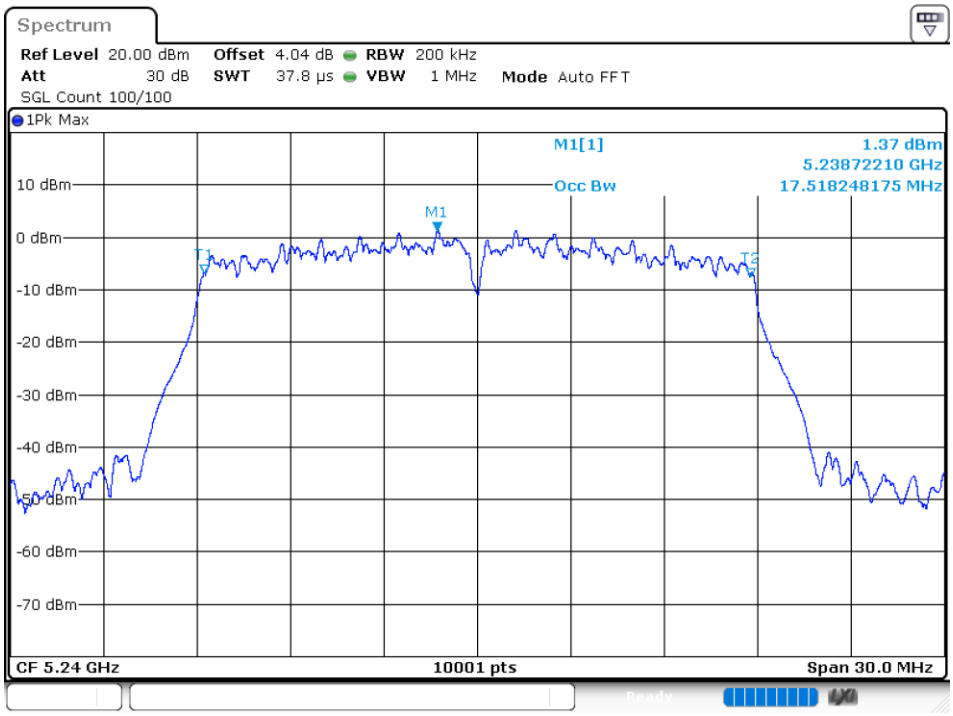
OBW NVNT ac20 5180MHz Ant1



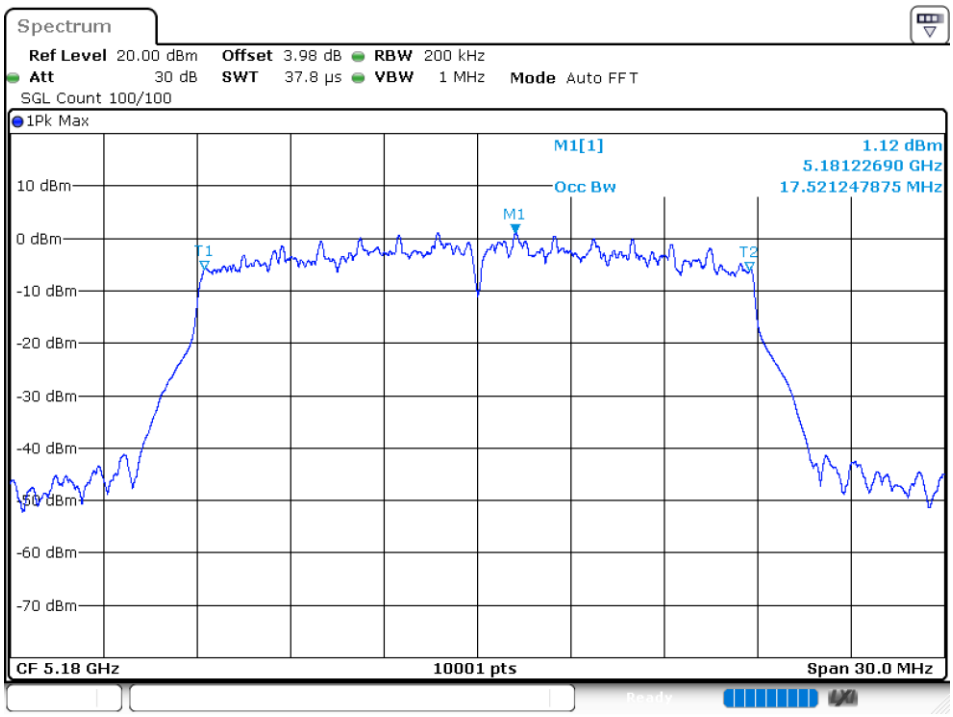
OBW NVNT ac20 5200MHz Ant1



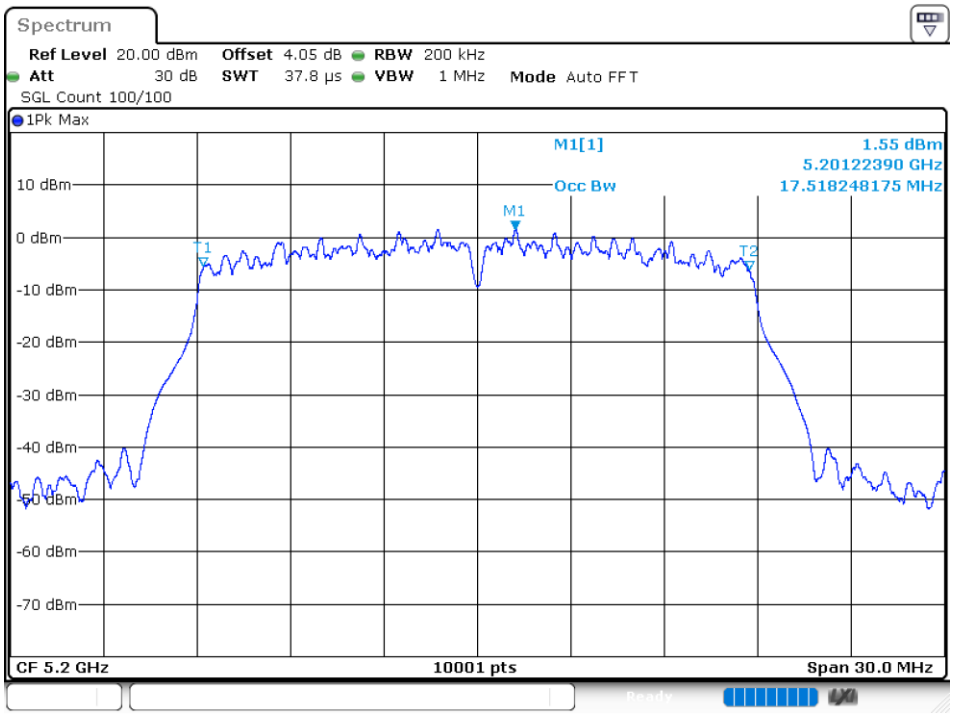
OBW NVNT ac20 5240MHz Ant1



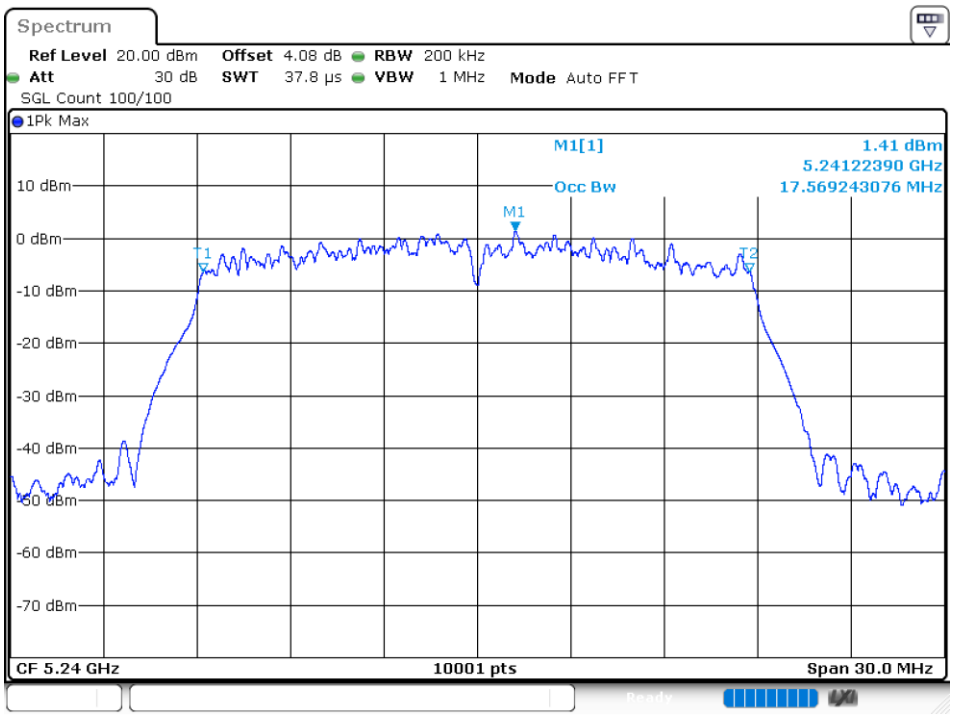
OBW NVNT ac20 5180MHz Ant2



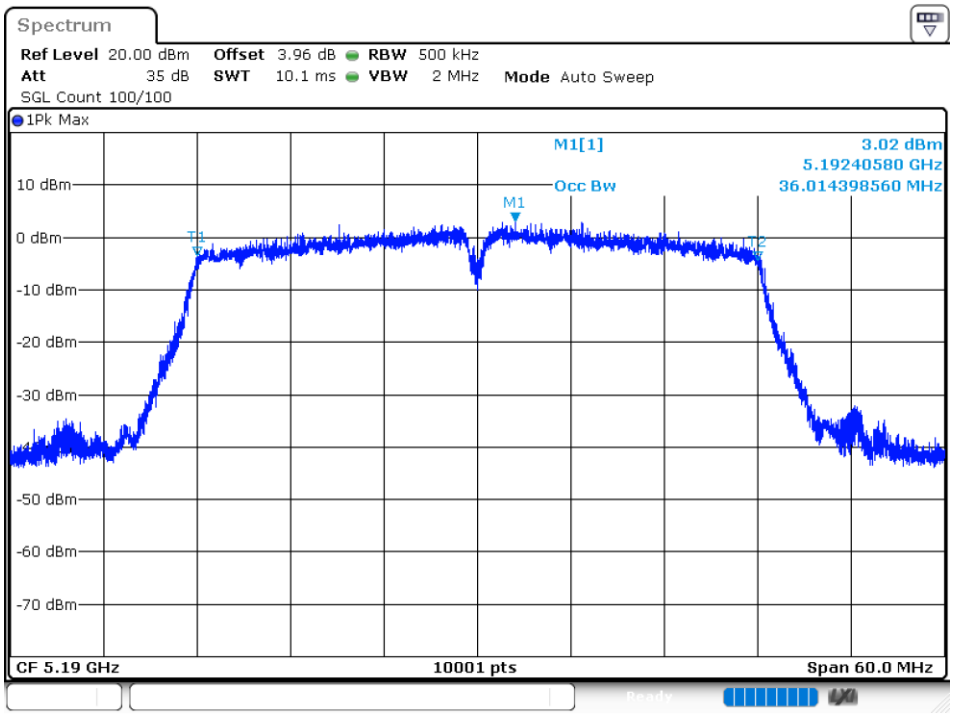
OBW NVNT ac20 5200MHz Ant2



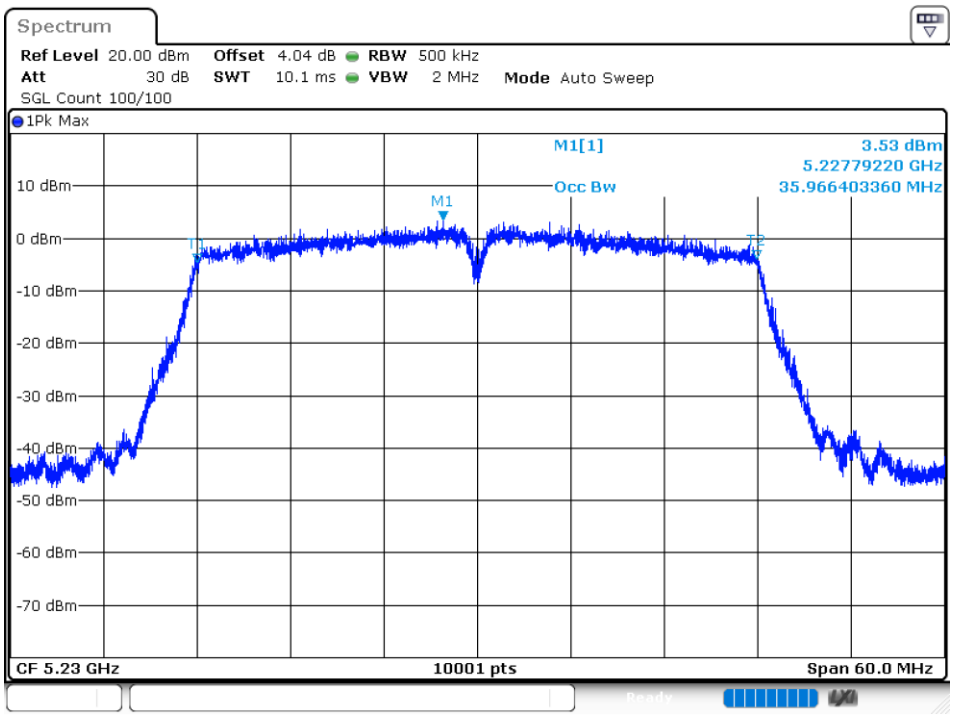
OBW NVNT ac20 5240MHz Ant2



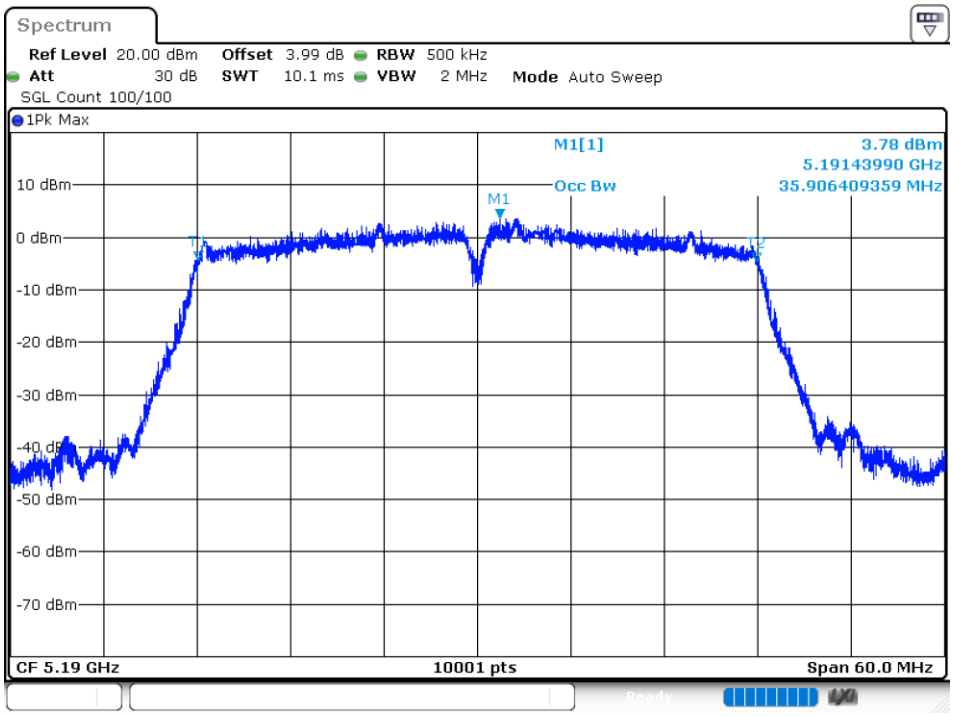
OBW NVNT ac40 5190MHz Ant1



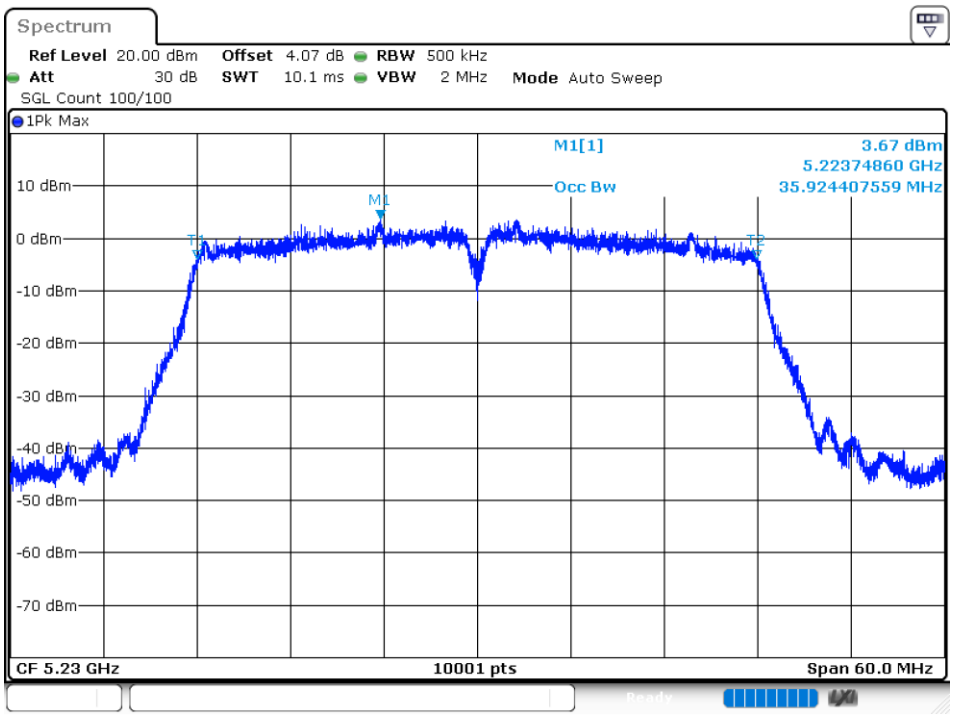
OBW NVNT ac40 5230MHz Ant1



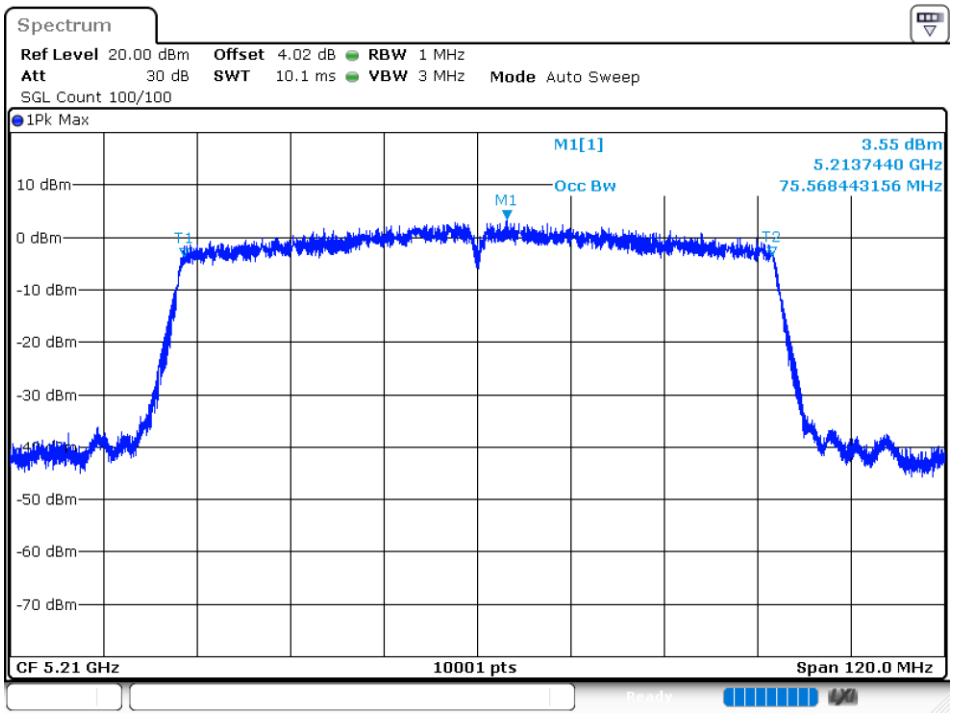
OBW NVNT ac40 5190MHz Ant2



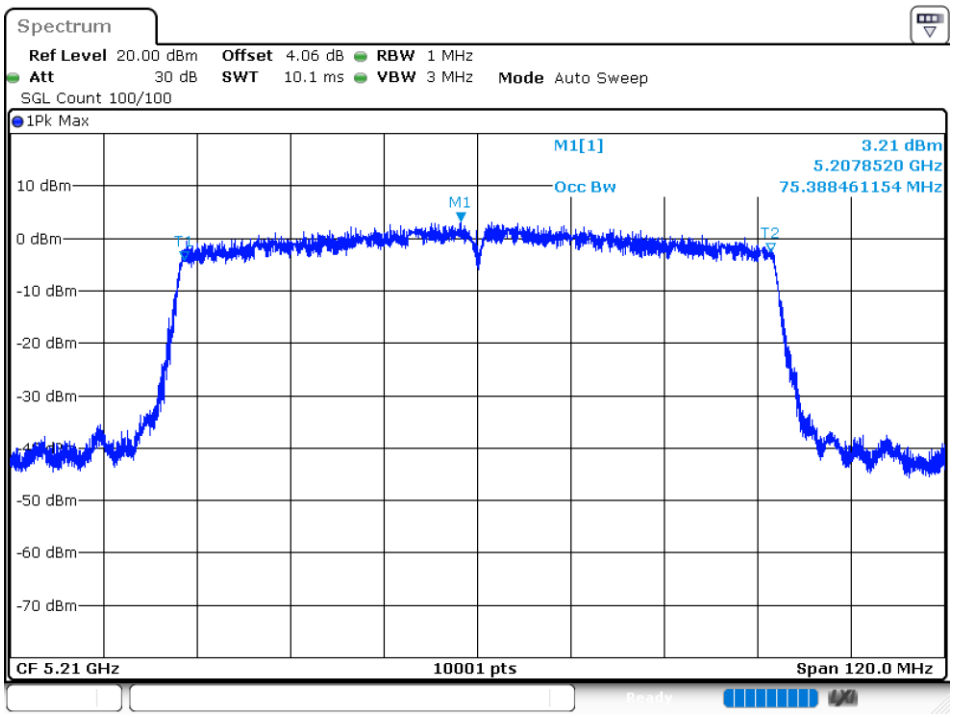
OBW NVNT ac40 5230MHz Ant2



OBW NVNT ac80 5210MHz Ant1



OBW NVNT ac80 5210MHz Ant2

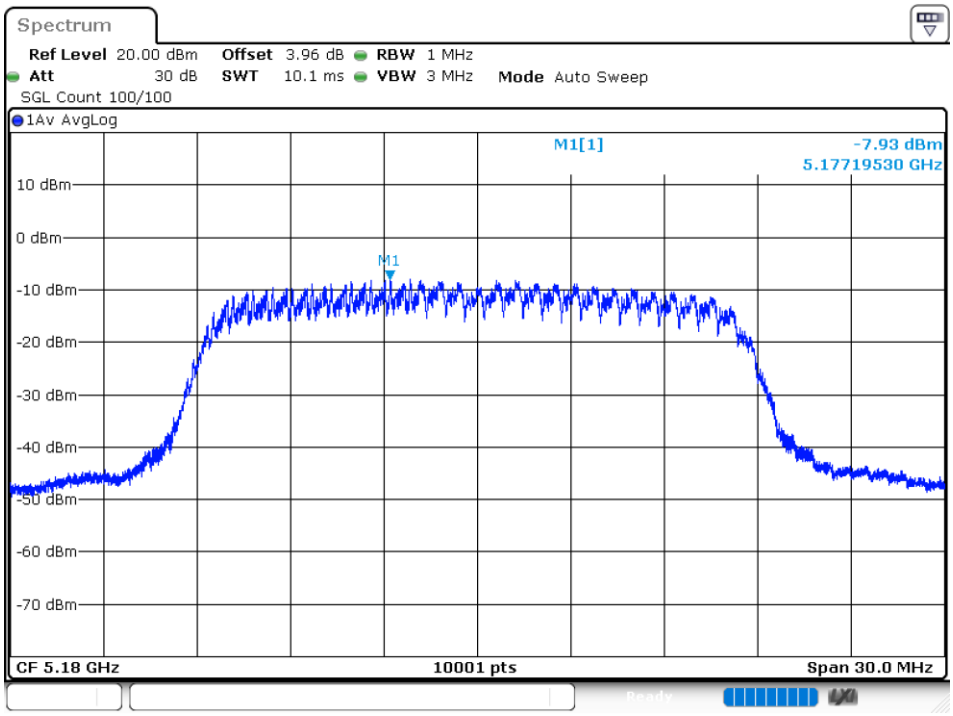


Maximum Power Spectral Density Level

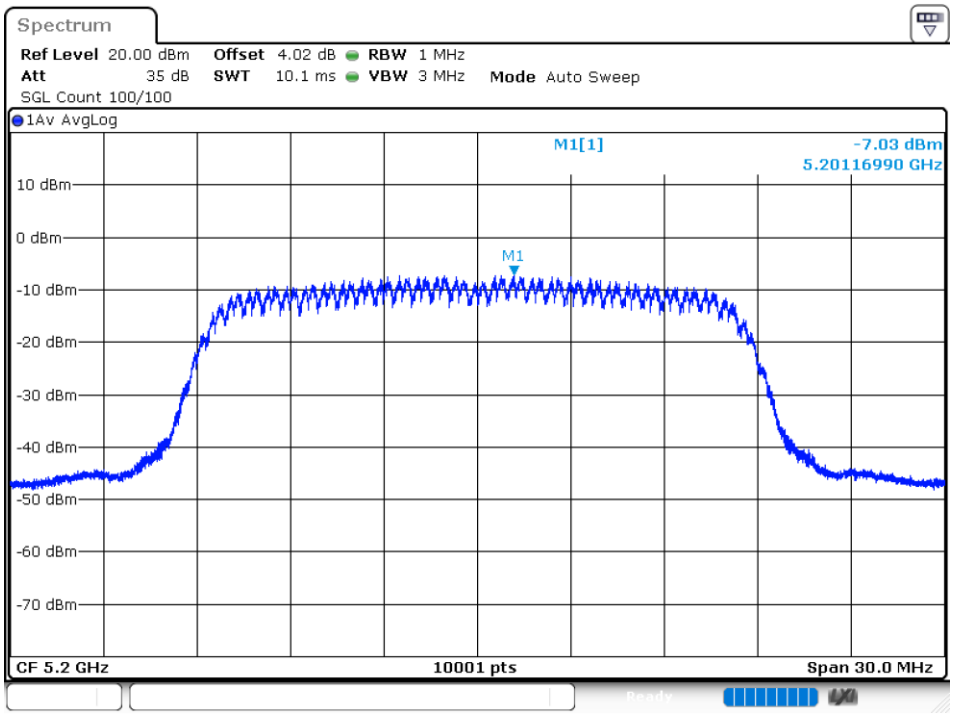
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-7.93	0.75	-7.18	11	Pass
NVNT	a	5200	Ant1	-7.03	0.75	-6.28	11	Pass
NVNT	a	5240	Ant1	-5.96	0.75	-5.21	11	Pass
NVNT	a	5180	Ant2	-5.87	0.74	-5.13	11	Pass
NVNT	a	5200	Ant2	-5.3	0.74	-4.56	11	Pass
NVNT	a	5240	Ant2	-5.44	0.74	-4.7	11	Pass
NVNT	n20	5180	Ant1	-7.13	0.79	-6.34	11	Pass
NVNT	n20	5200	Ant1	-6.32	0.79	-5.53	11	Pass
NVNT	n20	5240	Ant1	-7.43	0.79	-6.64	11	Pass
NVNT	n20	5180	Ant2	-7.3	0.79	-6.51	11	Pass
NVNT	n20	5200	Ant2	-6.74	0.79	-5.95	11	Pass
NVNT	n20	5240	Ant2	-7.4	0.79	-6.61	11	Pass
NVNT	n40	5190	Ant1	-15.2	1.17	-14.03	11	Pass
NVNT	n40	5230	Ant1	-14.3	1.17	-13.13	11	Pass
NVNT	n40	5190	Ant2	-13.57	1.17	-12.4	11	Pass
NVNT	n40	5230	Ant2	-13.74	1.17	-12.57	11	Pass
NVNT	ac20	5180	Ant1	-8.43	1.13	-7.3	11	Pass
NVNT	ac20	5200	Ant1	-11.12	1.13	-9.99	11	Pass
NVNT	ac20	5240	Ant1	-12.02	1.13	-10.89	11	Pass
NVNT	ac20	5180	Ant2	-10.08	1.12	-8.96	11	Pass
NVNT	ac20	5200	Ant2	-13.74	1.12	-12.62	11	Pass
NVNT	ac20	5240	Ant2	-11.32	1.12	-10.2	11	Pass
NVNT	ac40	5190	Ant1	-16.11	1.25	-14.86	11	Pass
NVNT	ac40	5230	Ant1	-17.47	1.76	-15.71	11	Pass
NVNT	ac40	5190	Ant2	-18.72	1.76	-16.96	11	Pass
NVNT	ac40	5230	Ant2	-16.57	1.54	-15.03	11	Pass
NVNT	ac80	5210	Ant1	-20.54	1.7	-18.84	11	Pass
NVNT	ac80	5210	Ant2	-19.85	1.54	-18.31	11	Pass

Test Graphs

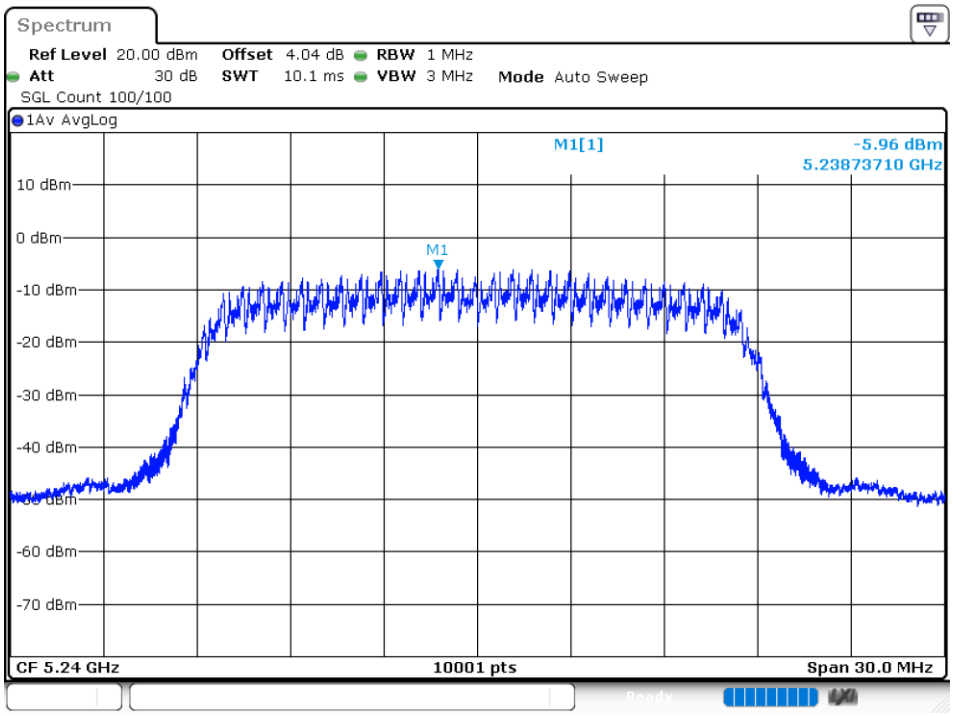
PSD NVNT a 5180MHz Ant1



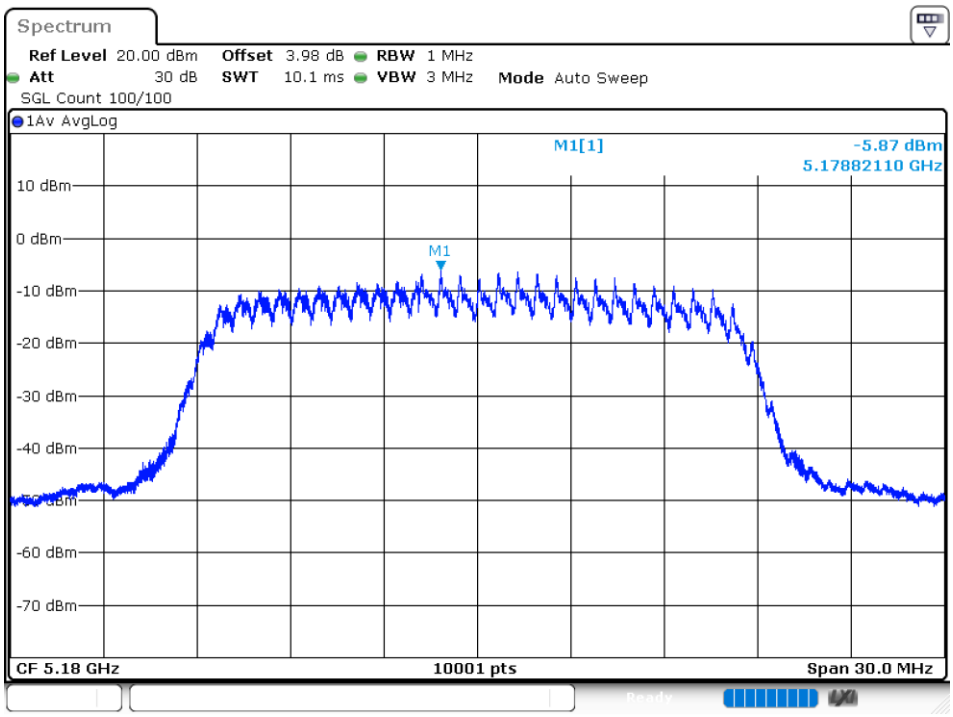
PSD NVNT a 5200MHz Ant1



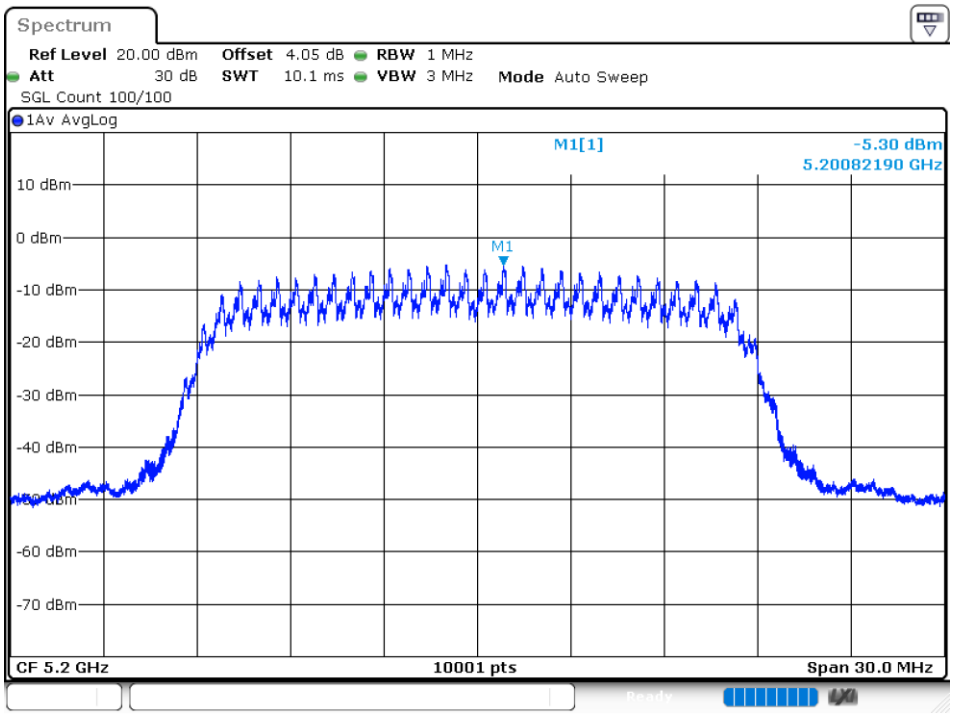
PSD NVNT a 5240MHz Ant1



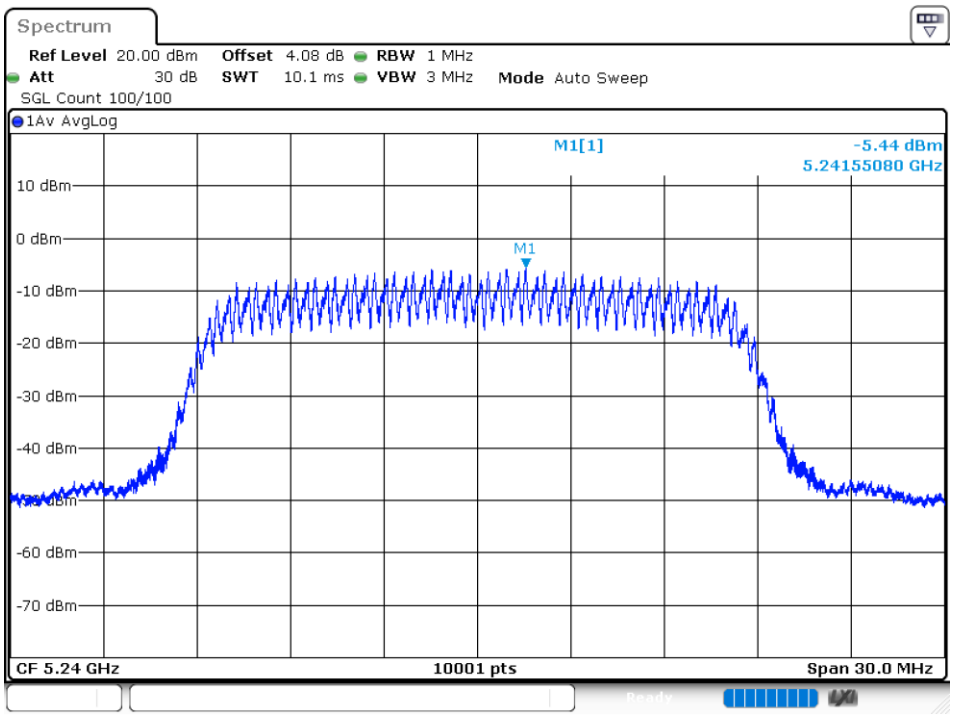
PSD NVNT a 5180MHz Ant2



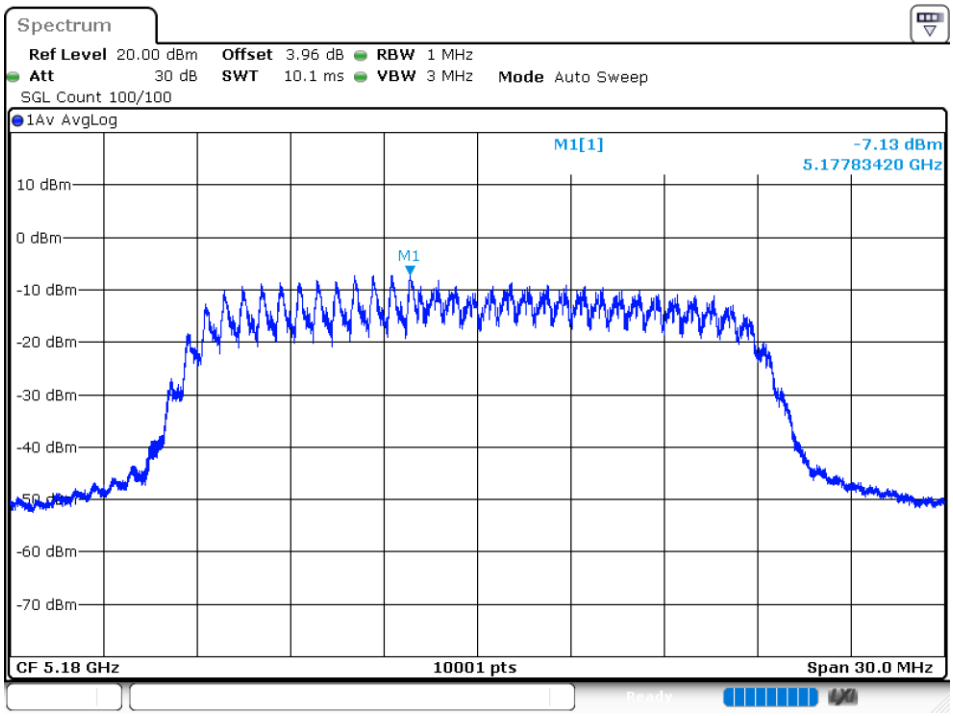
PSD NVNT a 5200MHz Ant2



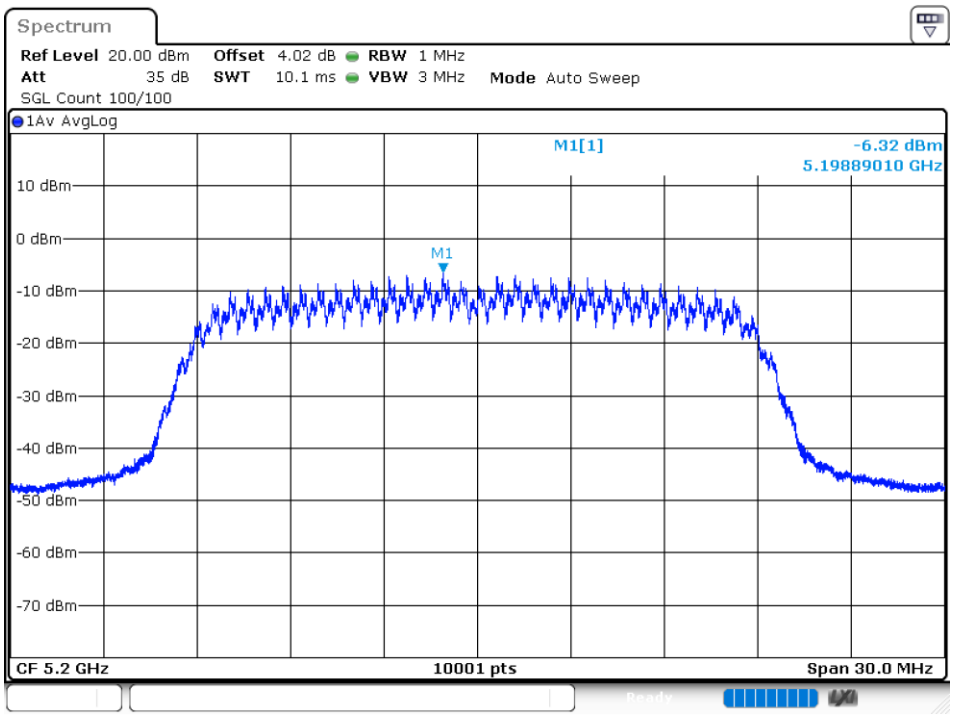
PSD NVNT a 5240MHz Ant2



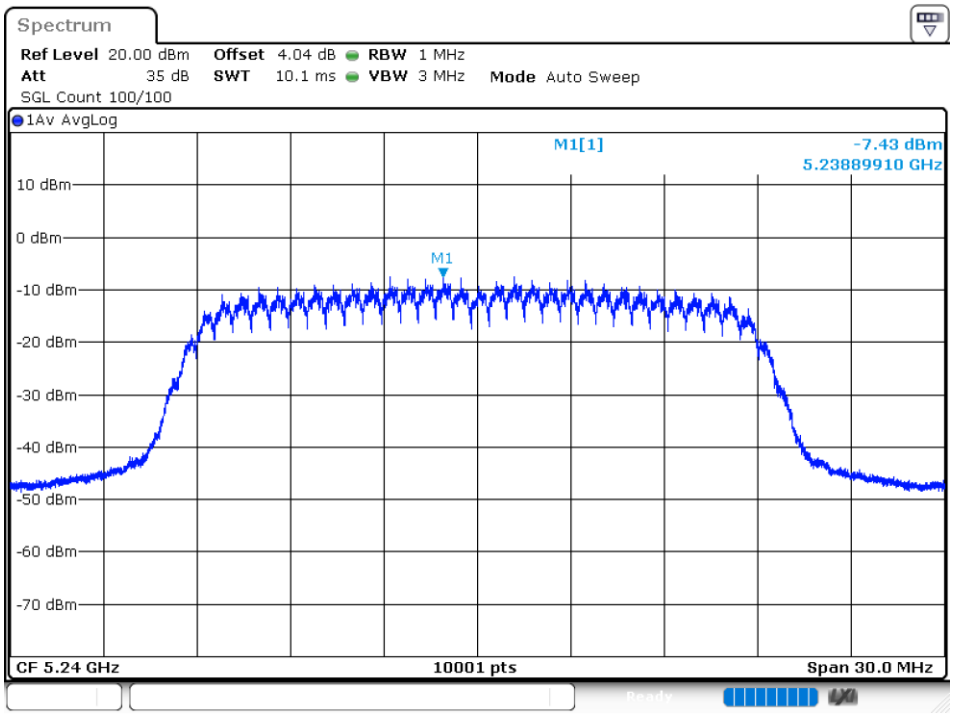
PSD NVNT n20 5180MHz Ant1



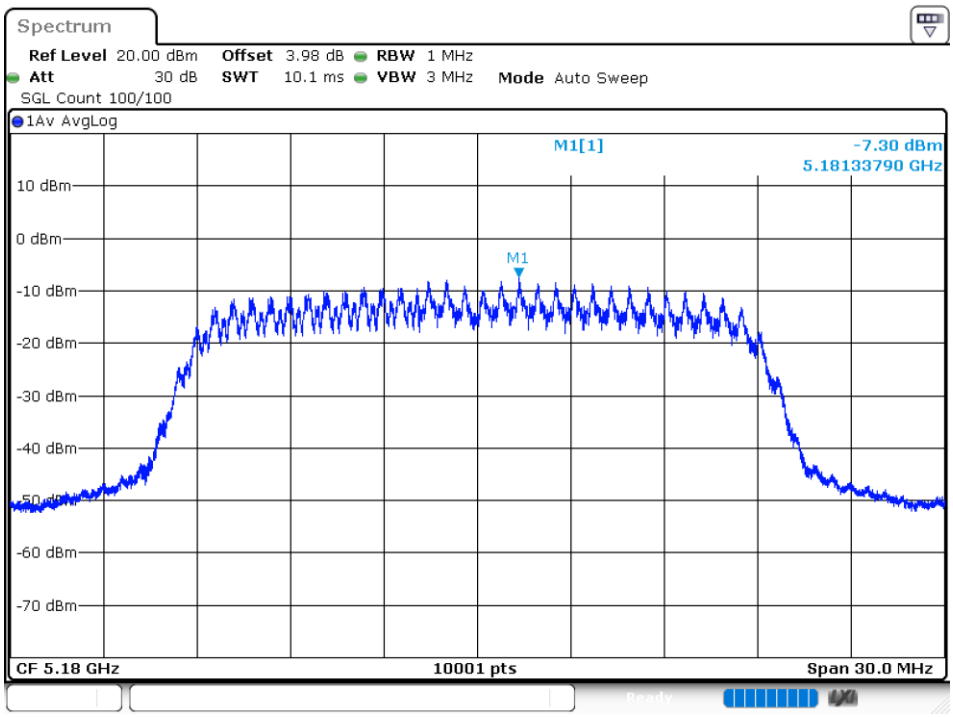
PSD NVNT n20 5200MHz Ant1



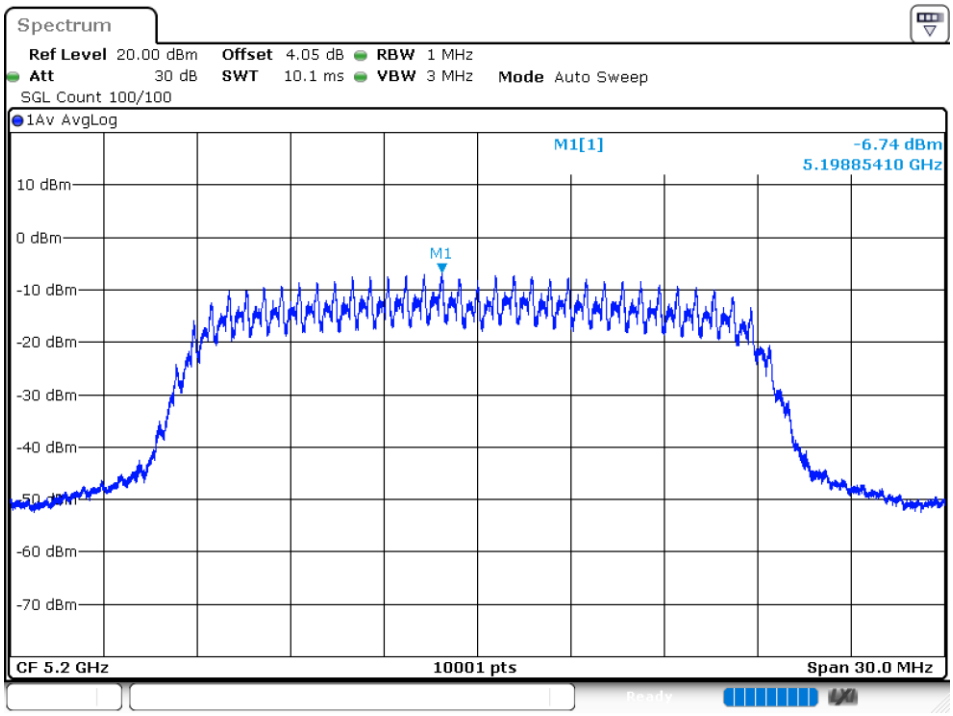
PSD NVNT n20 5240MHz Ant1



PSD NVNT n20 5180MHz Ant2



PSD NVNT n20 5200MHz Ant2



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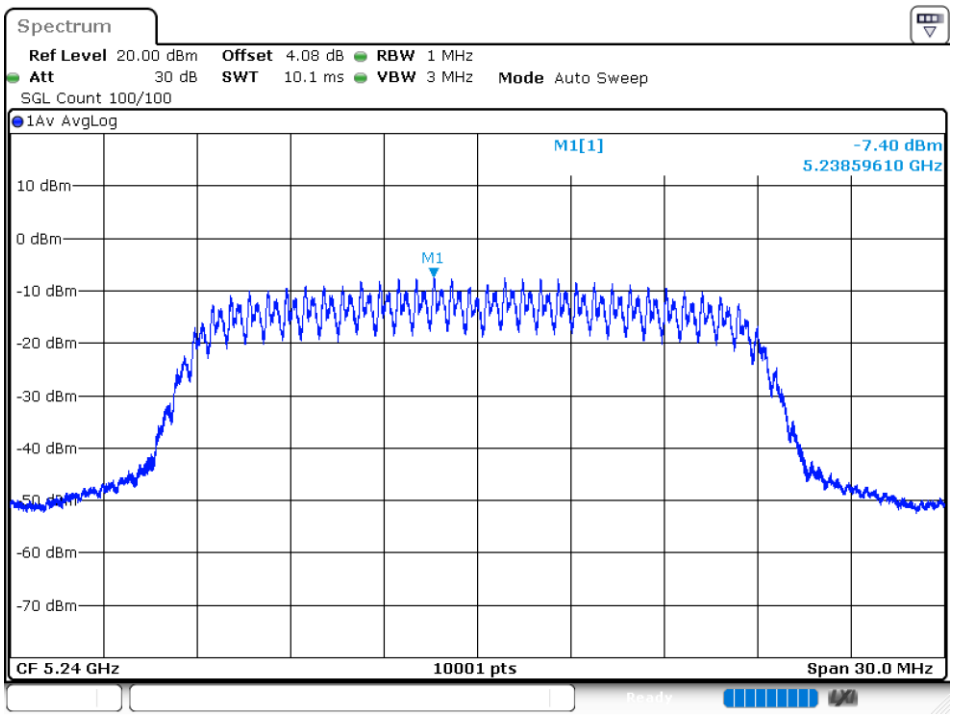
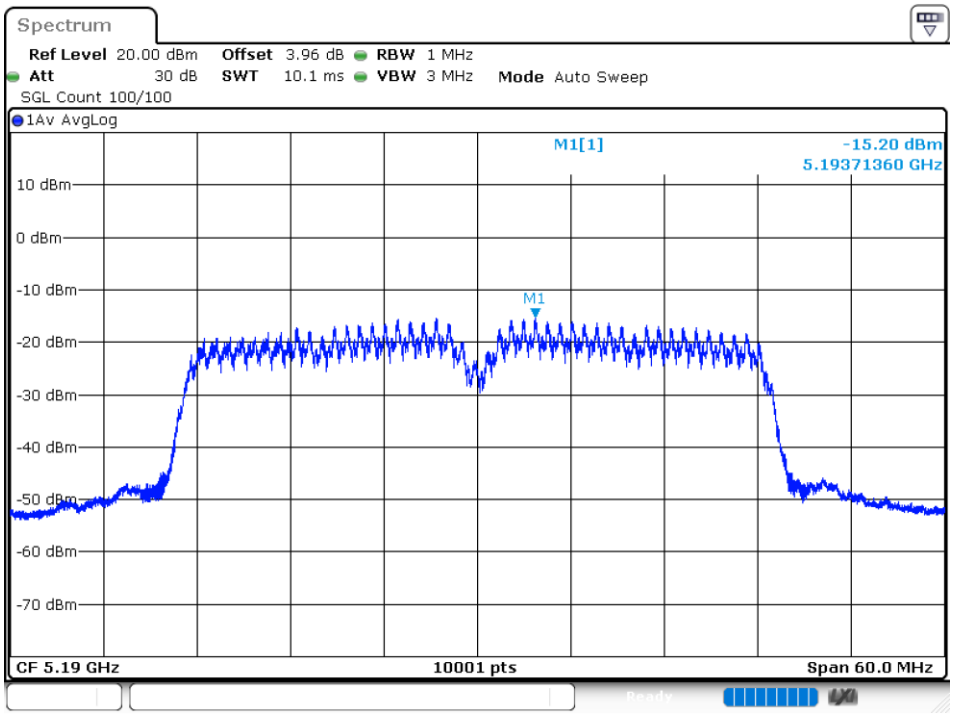
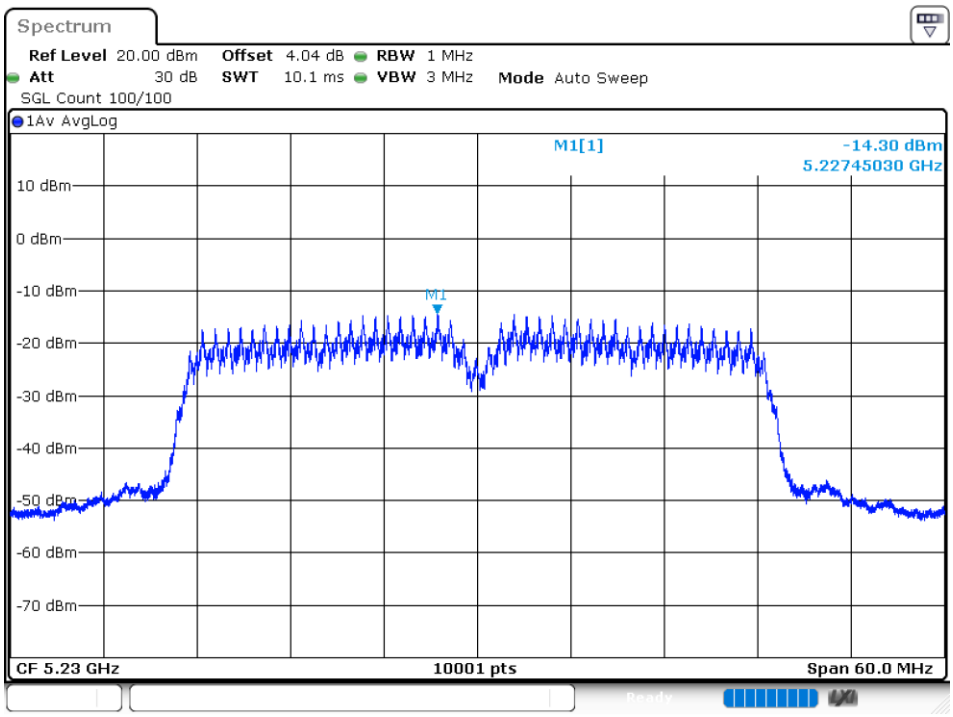


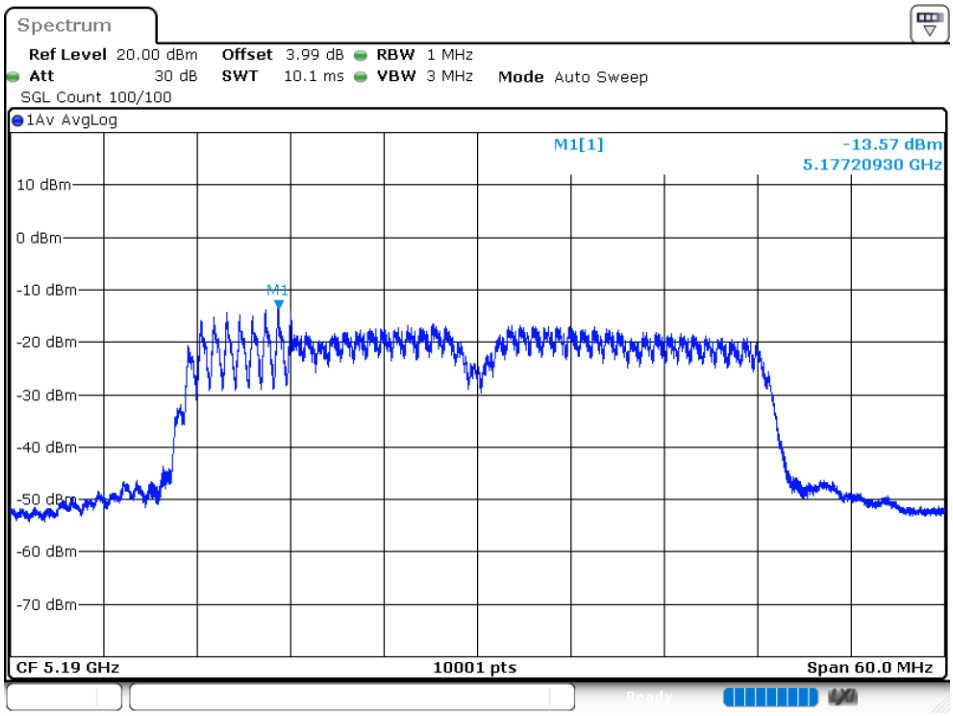
PSD NVNT n40 5190MHz Ant1



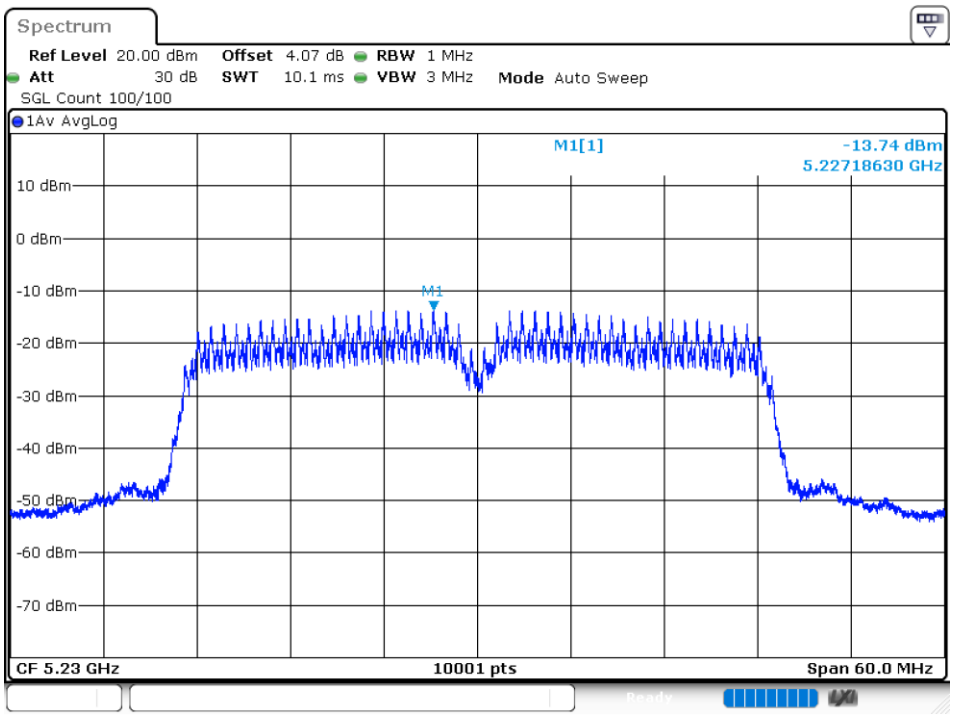
PSD NVNT n40 5230MHz Ant1



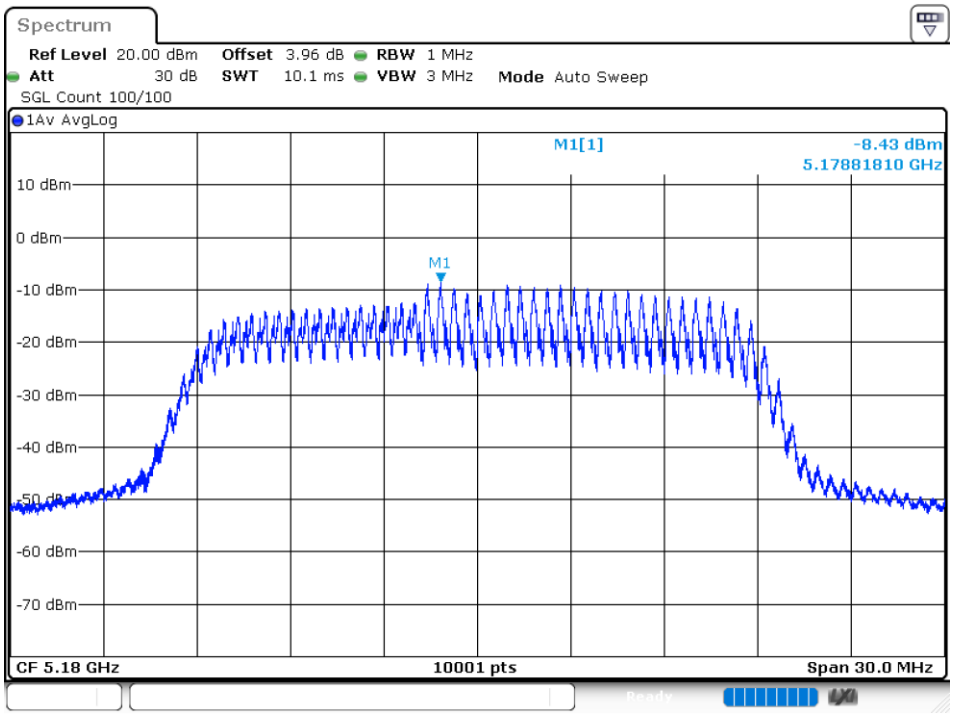
PSD NVNT n40 5190MHz Ant2



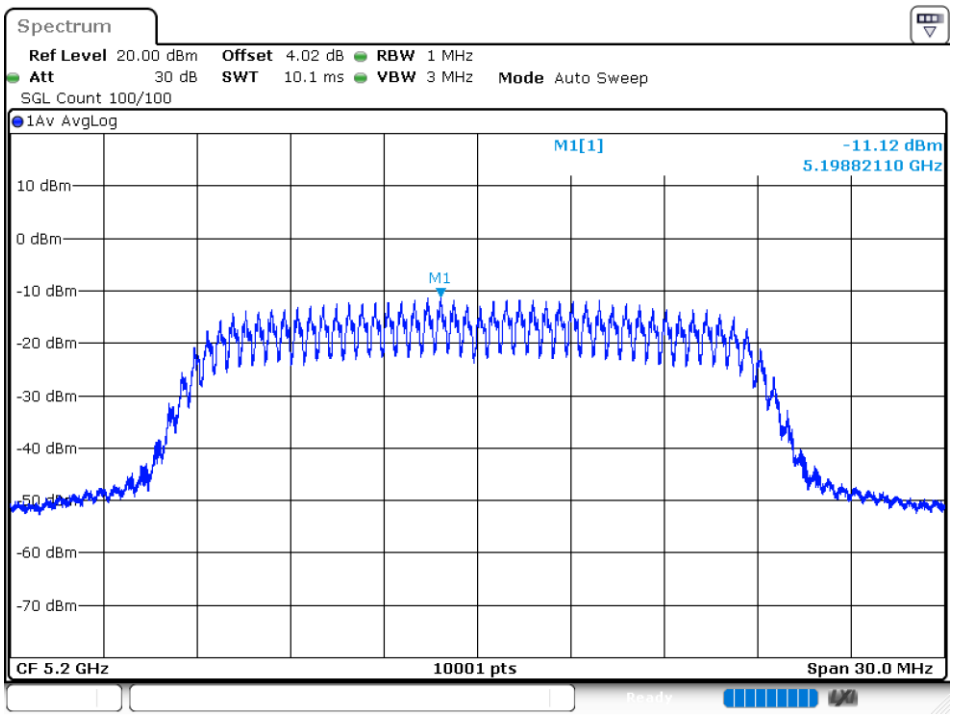
PSD NVNT n40 5230MHz Ant2



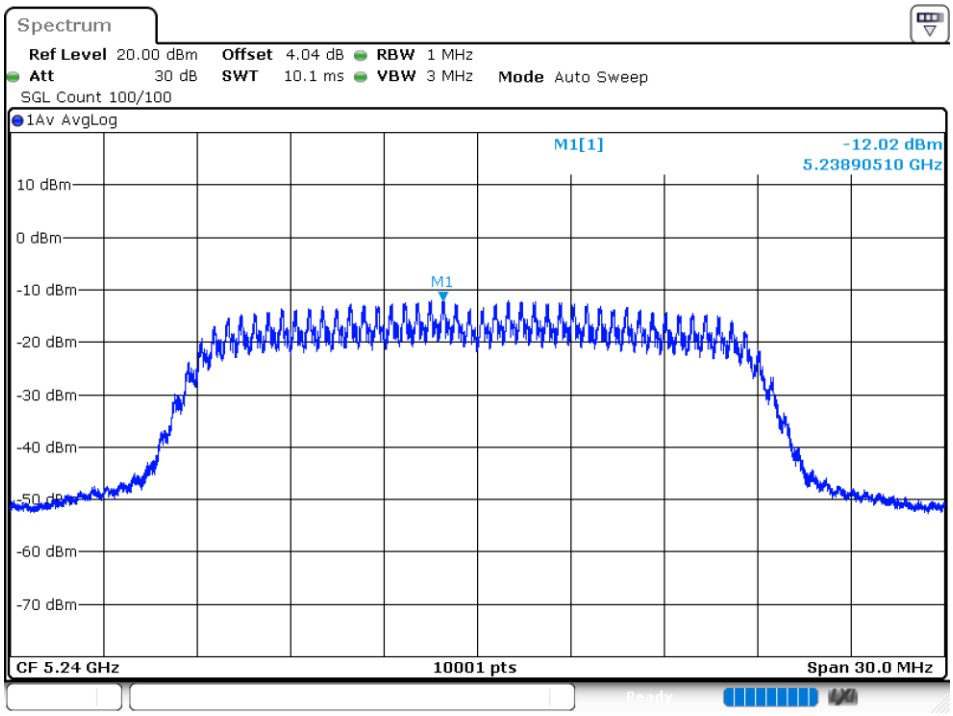
PSD NVNT ac20 5180MHz Ant1



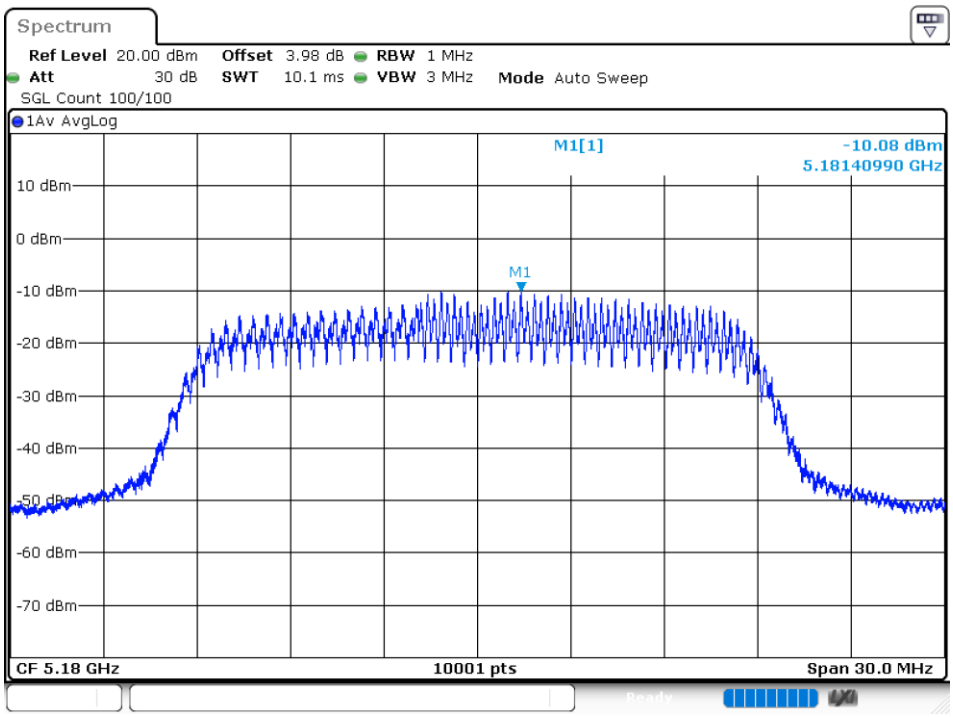
PSD NVNT ac20 5200MHz Ant1



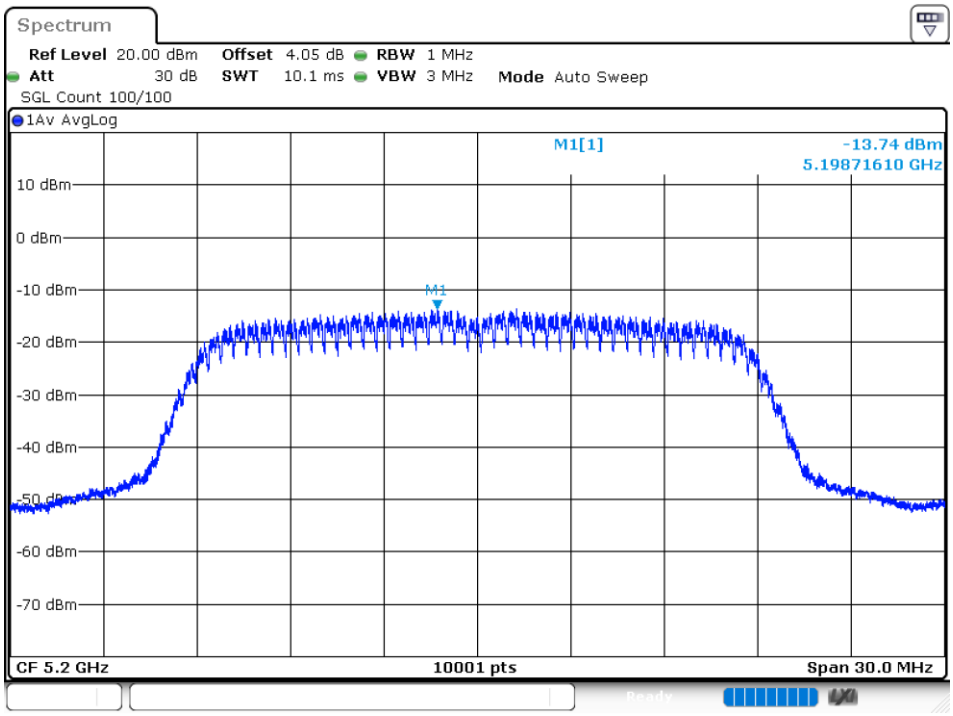
PSD NVNT ac20 5240MHz Ant1



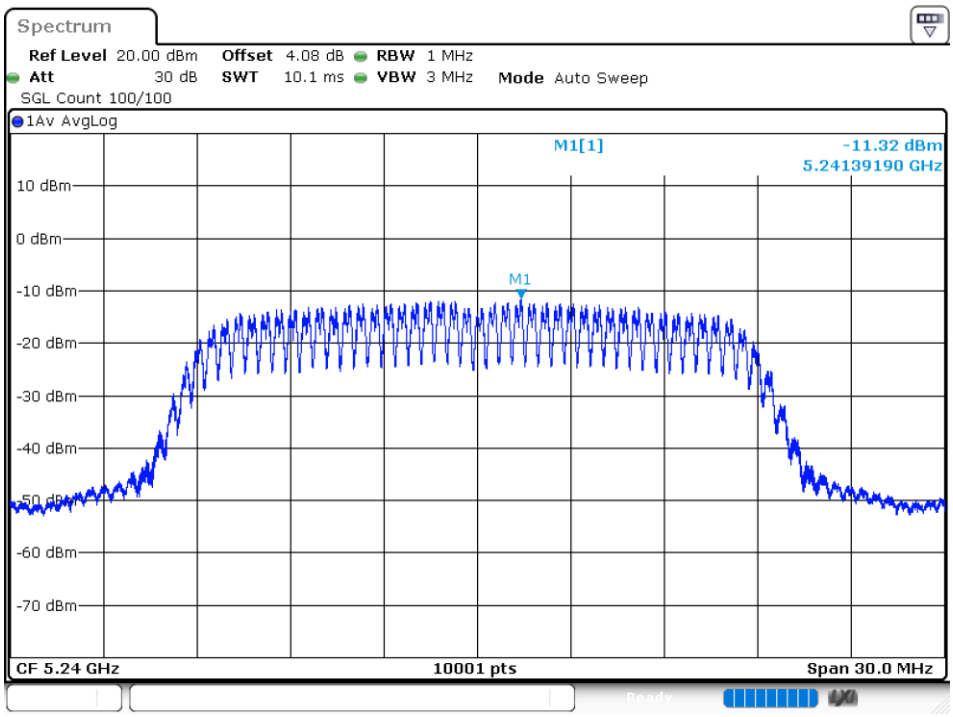
PSD NVNT ac20 5180MHz Ant2



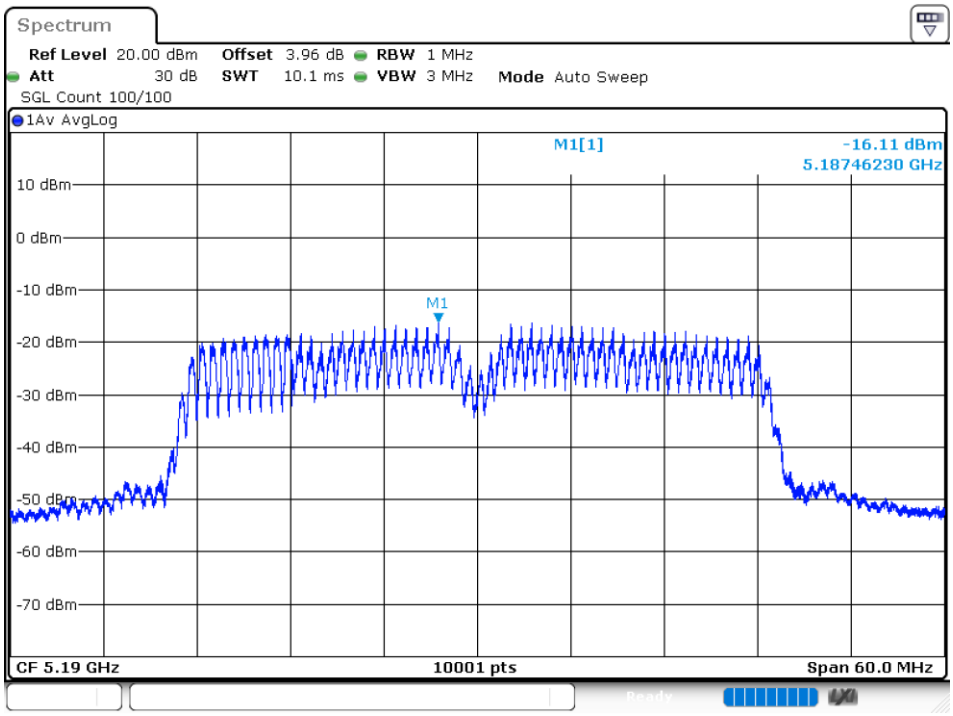
PSD NVNT ac20 5200MHz Ant2



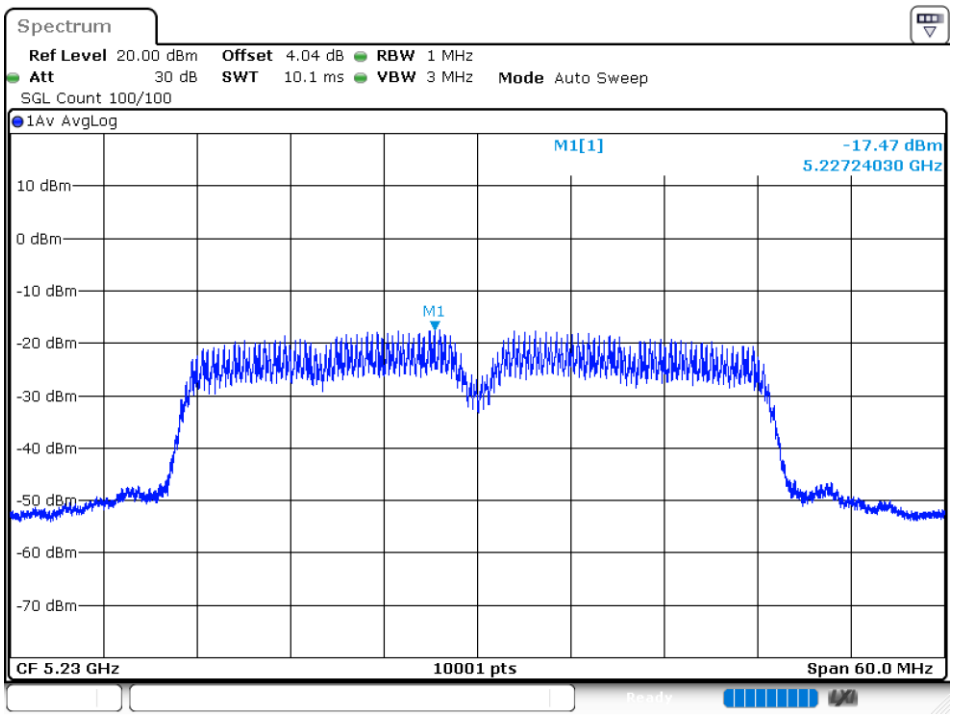
PSD NVNT ac20 5240MHz Ant2



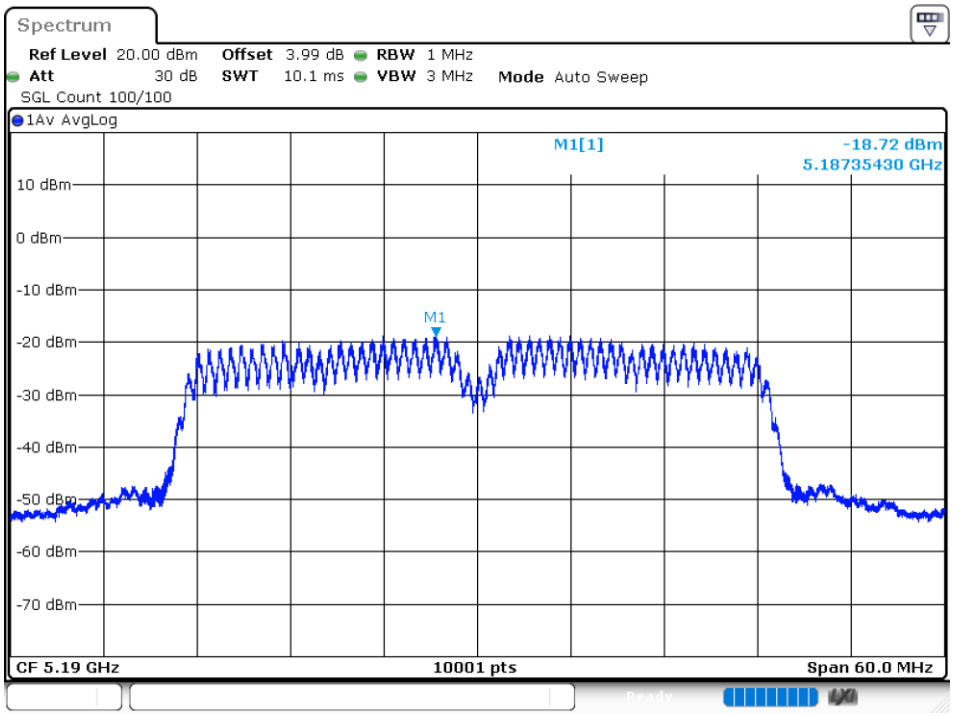
PSD NVNT ac40 5190MHz Ant1



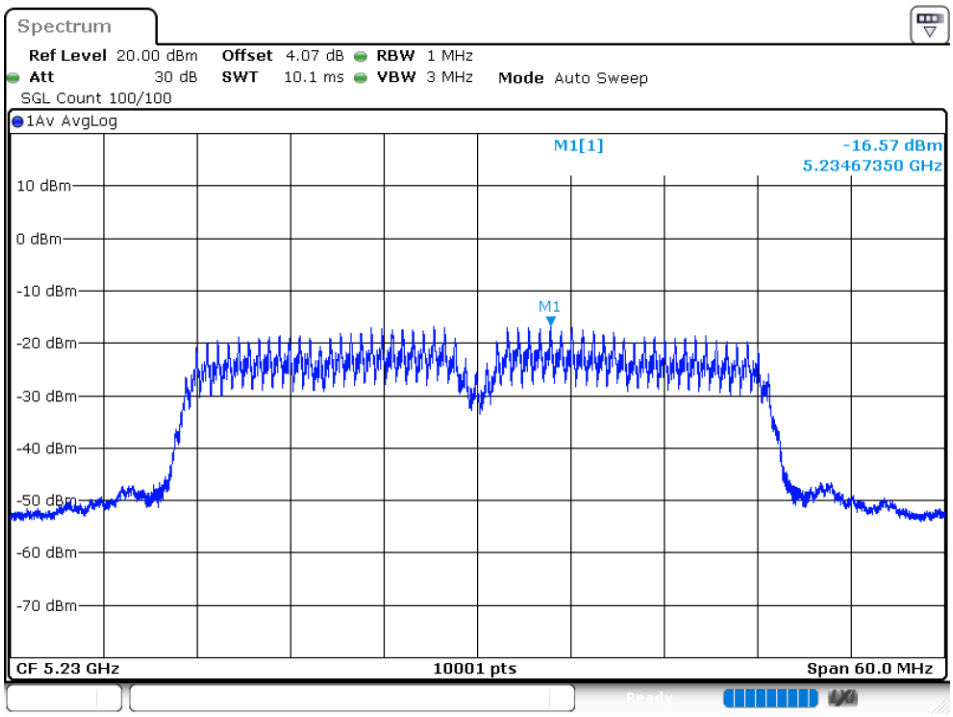
PSD NVNT ac40 5230MHz Ant1



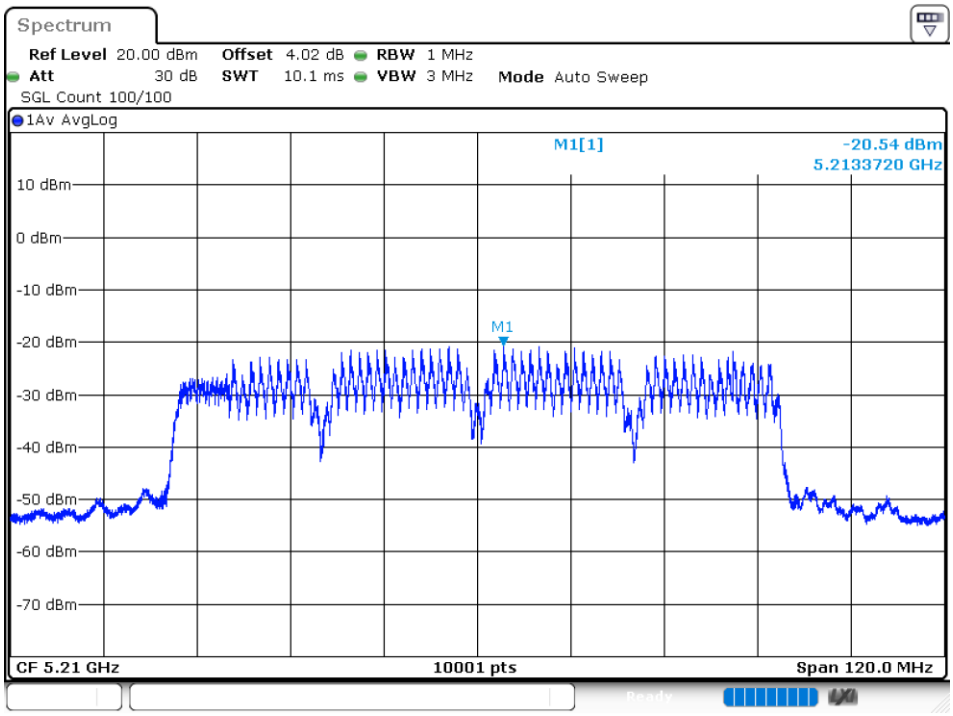
PSD NVNT ac40 5190MHz Ant2



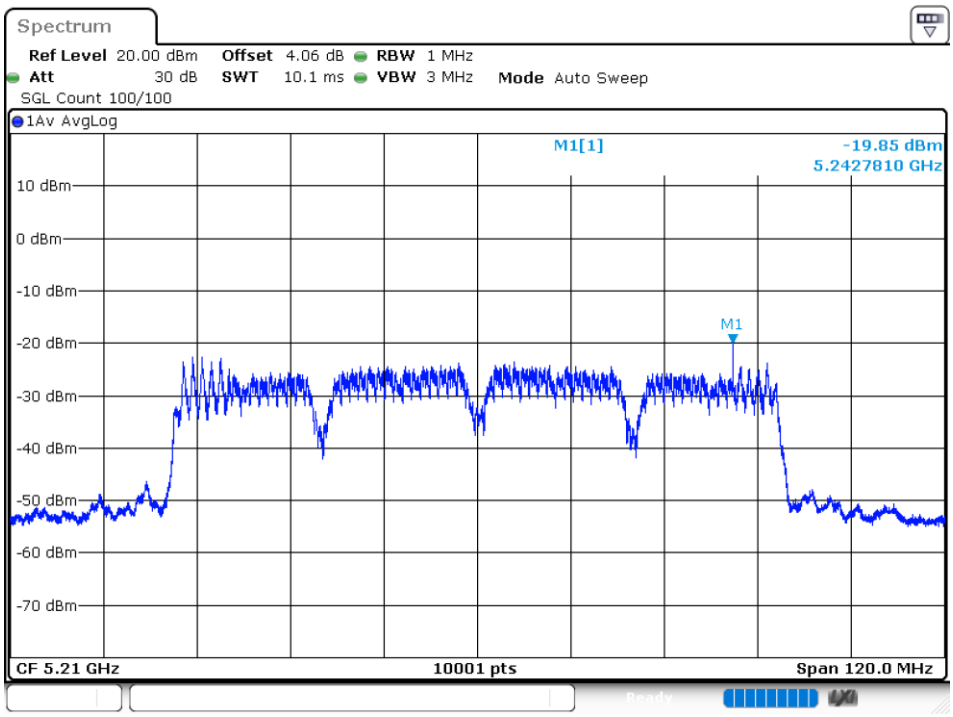
PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5210MHz Ant2



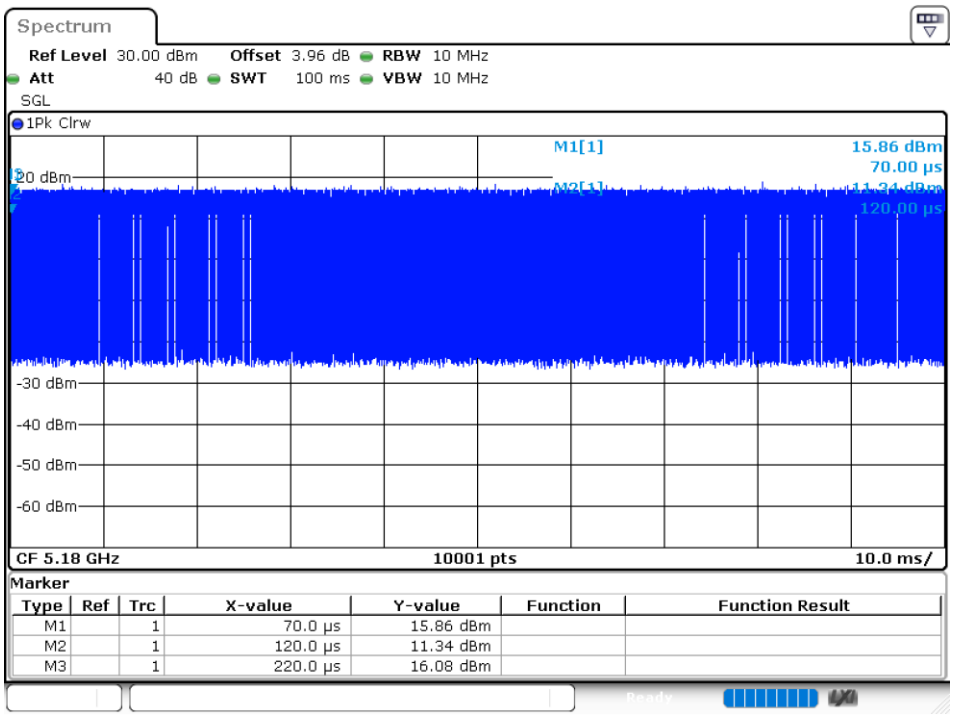
5.2G WIFI MIMO

Duty Cycle

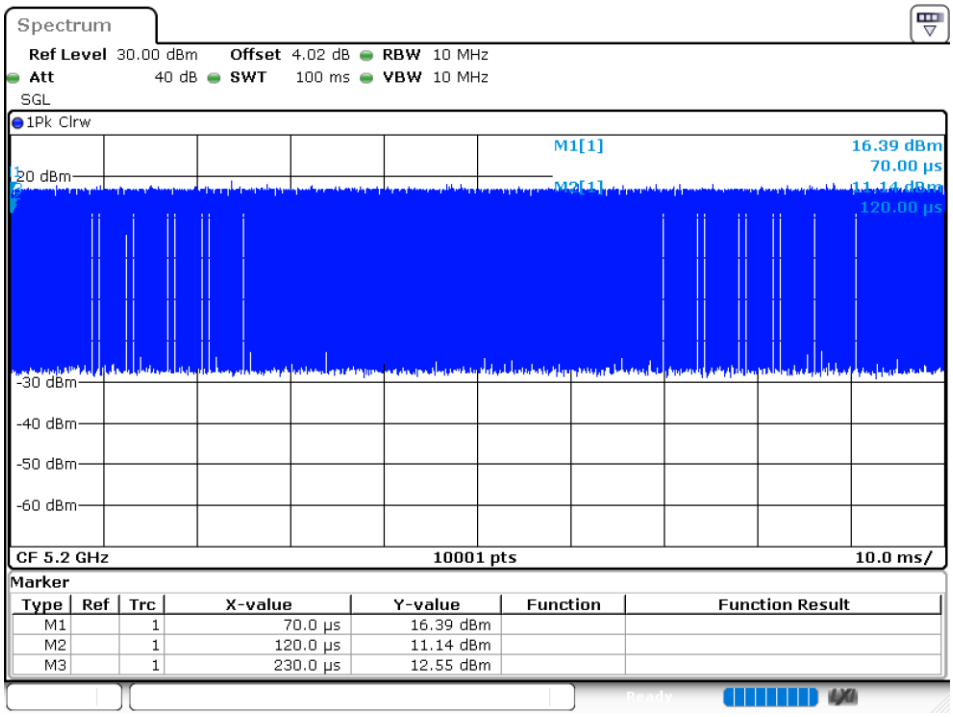
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5180	Sum	77.17	1.13	10
NVNT	ac20	5200	Sum	77.17	1.13	9.09
NVNT	ac20	5240	Sum	77.18	1.12	9.09
NVNT	ac40	5190	Sum	66.68	1.76	14.29
NVNT	ac40	5230	Sum	75.01	1.25	12.5
NVNT	ac80	5210	Sum	67.5	1.71	16.67
NVNT	n20	5180	Sum	83.32	0.79	5.88
NVNT	n20	5200	Sum	83.28	0.79	6.25
NVNT	n20	5240	Sum	83.28	0.79	5.88
NVNT	n40	5190	Sum	76.29	1.18	10
NVNT	n40	5230	Sum	76.37	1.17	10

Test Graphs

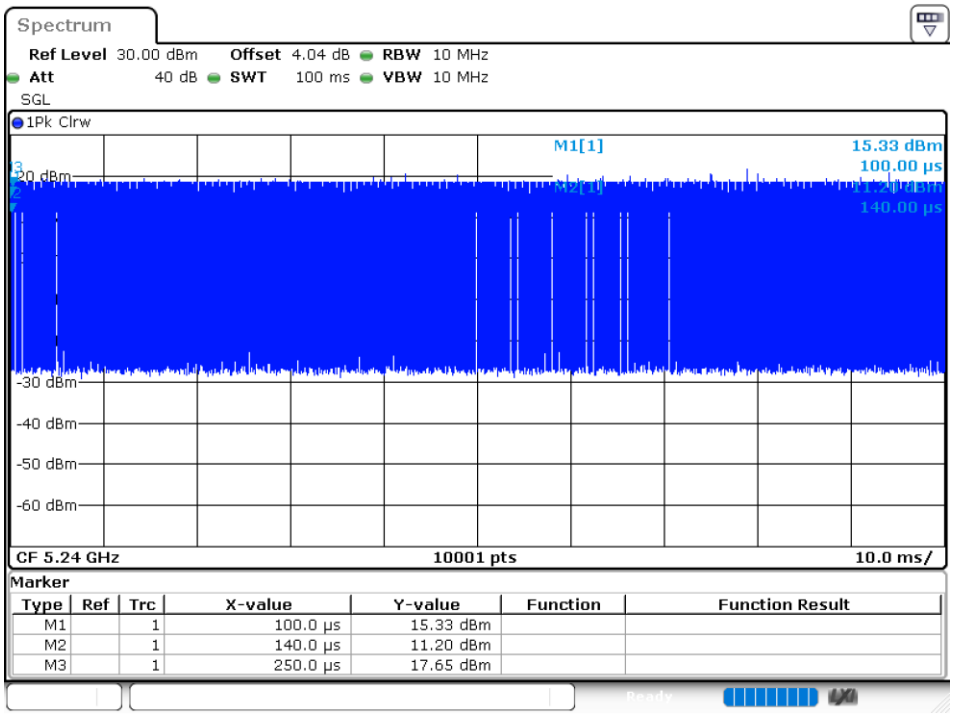
Duty Cycle NVNT ac20 5180MHz Sum



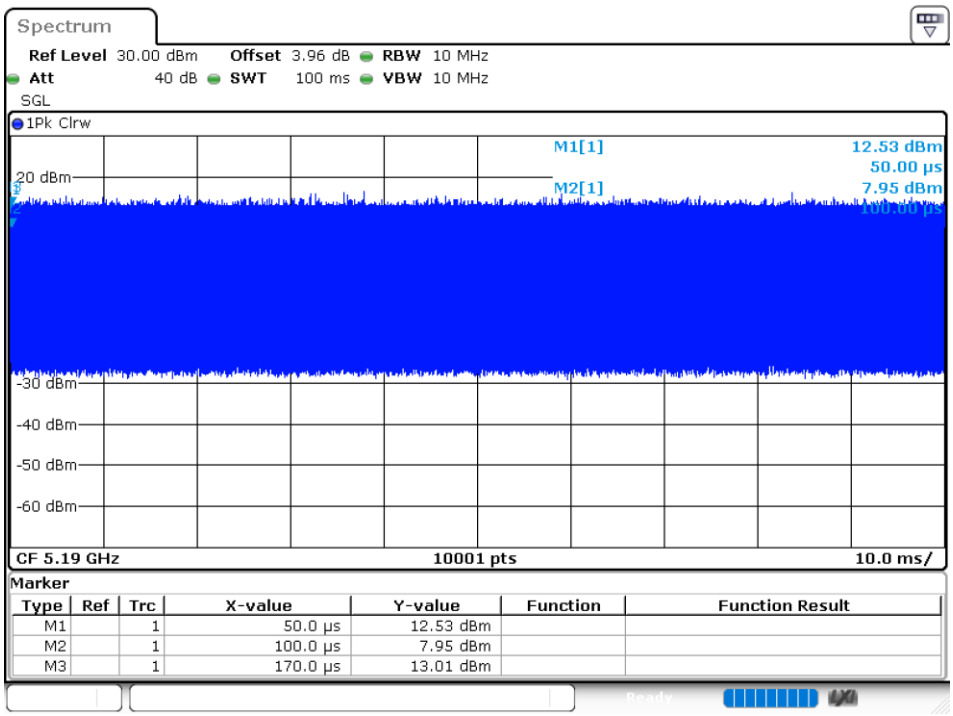
Duty Cycle NVNT ac20 5200MHz Sum



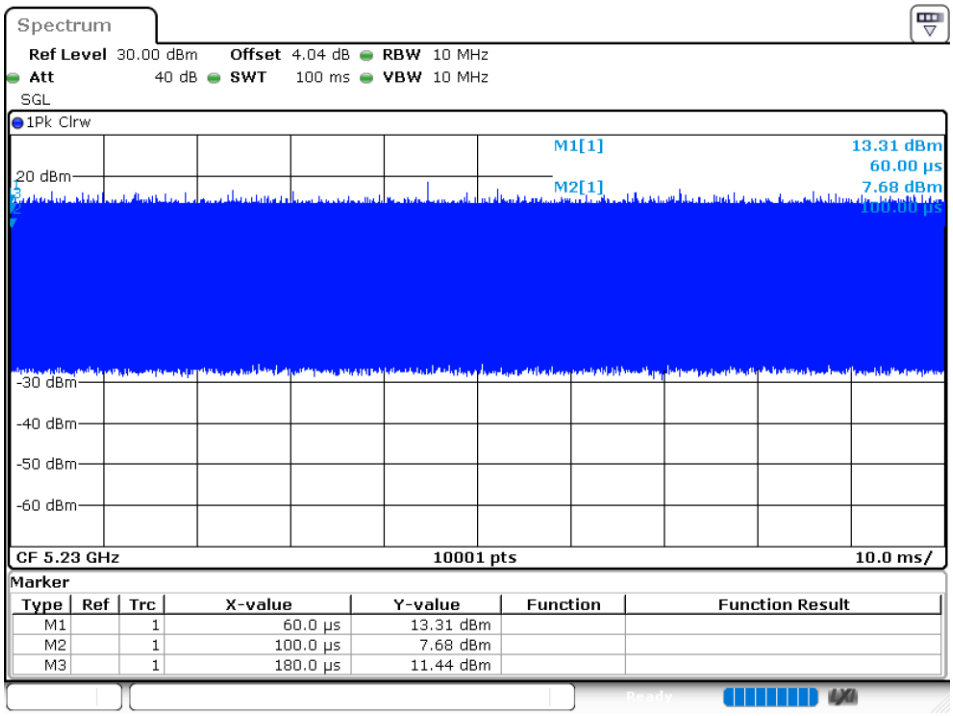
Duty Cycle NVNT ac20 5240MHz Sum



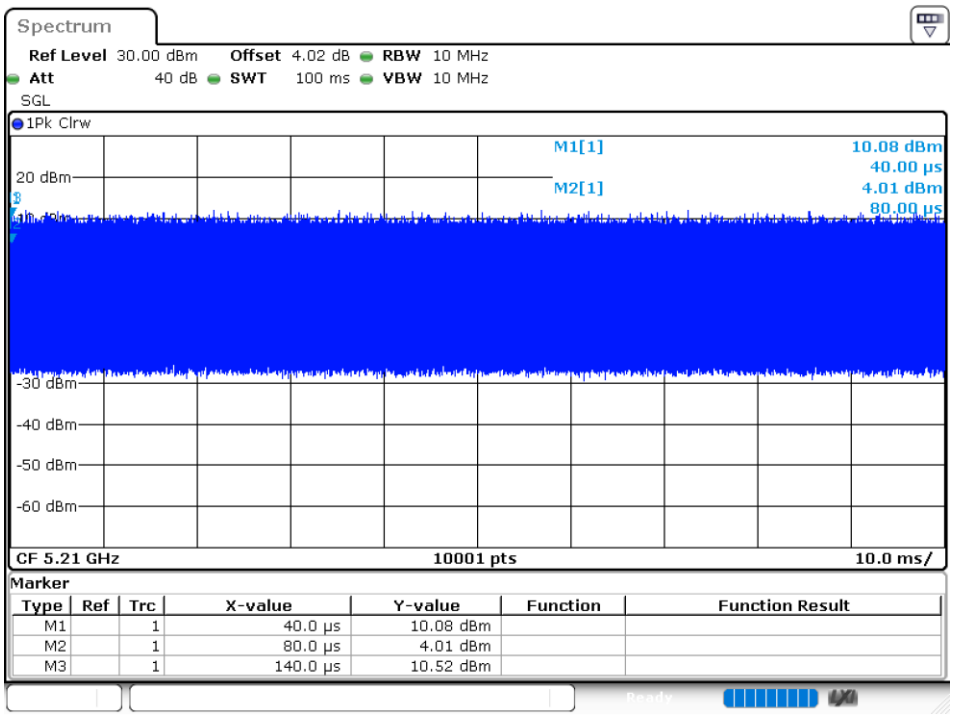
Duty Cycle NVNT ac40 5190MHz Sum



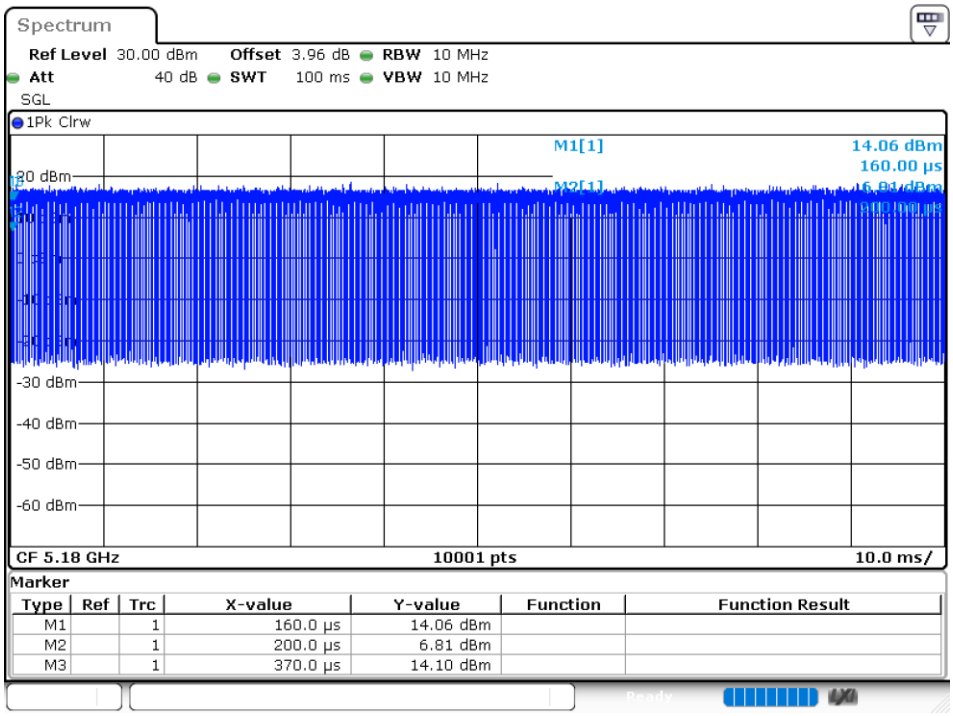
Duty Cycle NVNT ac40 5230MHz Sum



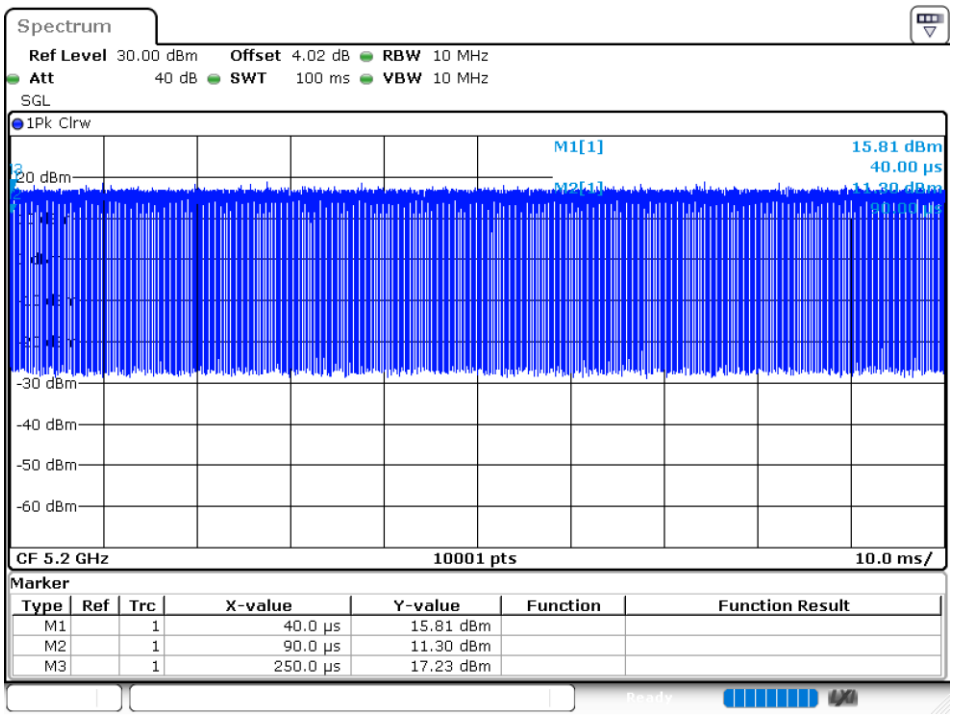
Duty Cycle NVNT ac80 5210MHz Sum



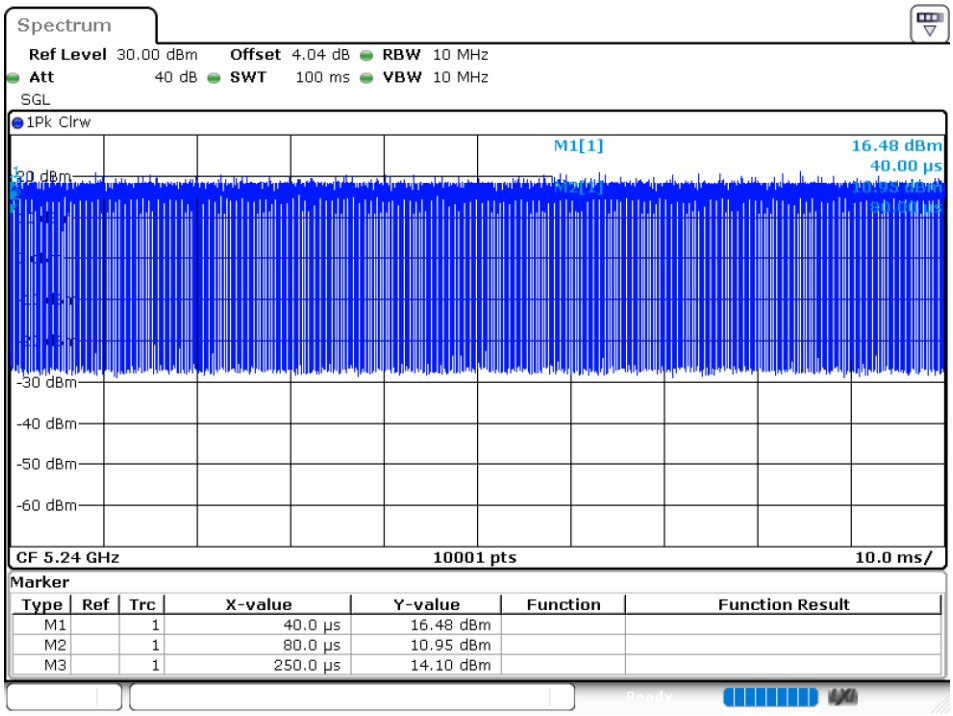
Duty Cycle NVNT n20 5180MHz Sum



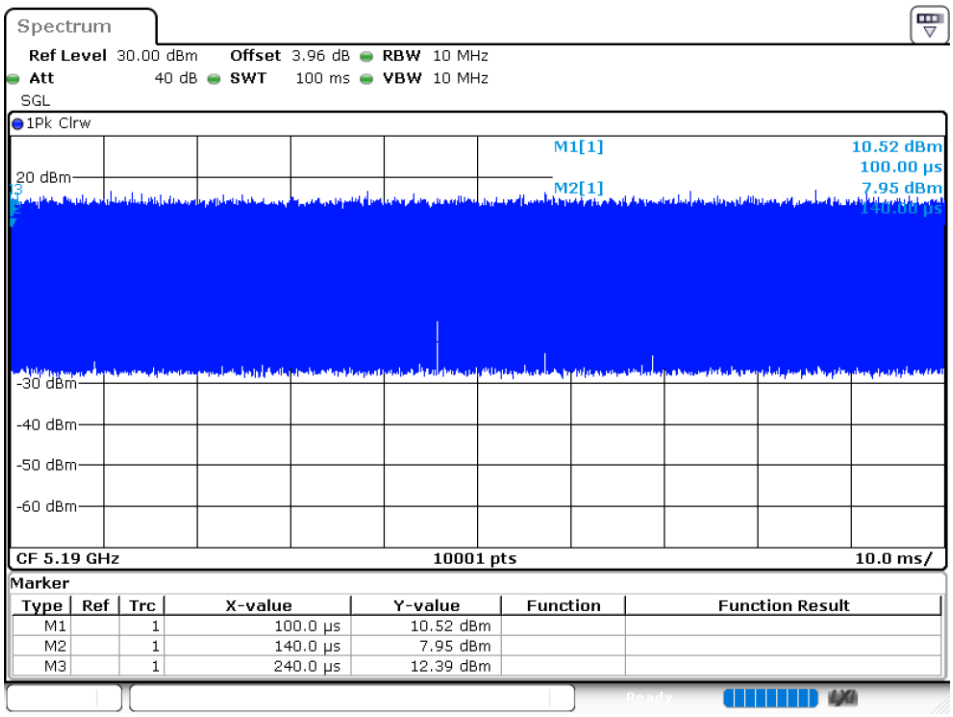
Duty Cycle NVNT n20 5200MHz Sum



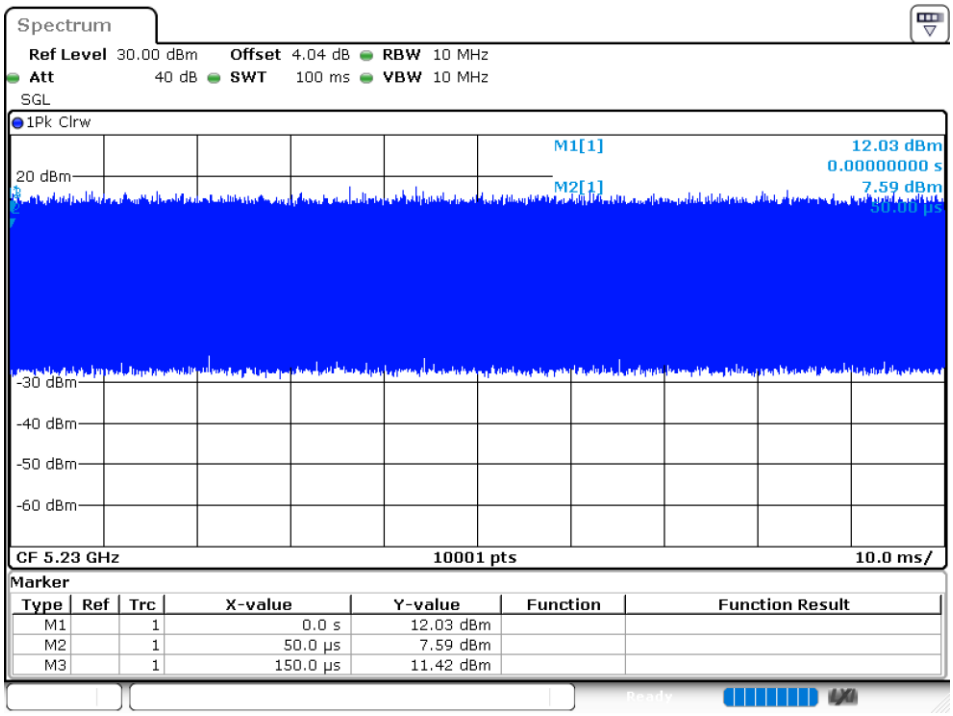
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



Maximum Conducted Output Power

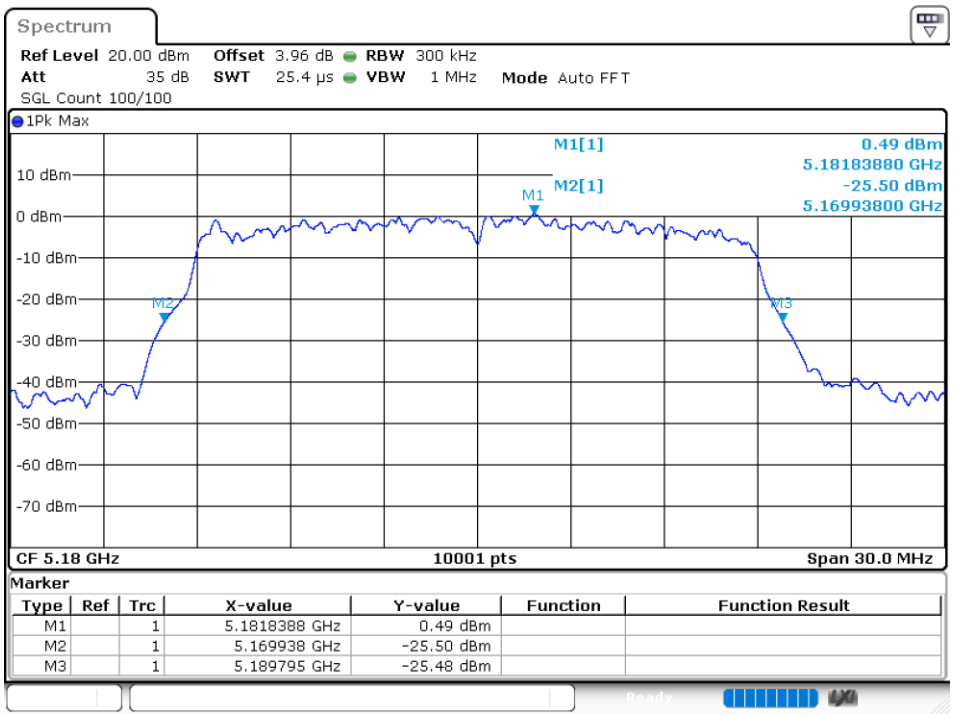
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	10.1	22.05	Pass
NVNT	ac20	5180	Ant2	10.17	22.05	Pass
NVNT	ac20	5180	Sum	13.15	22.05	Pass
NVNT	ac20	5200	Ant1	9.75	22.05	Pass
NVNT	ac20	5200	Ant2	10.17	22.05	Pass
NVNT	ac20	5200	Sum	12.98	22.05	Pass
NVNT	ac20	5240	Ant1	9.74	22.05	Pass
NVNT	ac20	5240	Ant2	10.16	22.05	Pass
NVNT	ac20	5240	Sum	12.97	22.05	Pass
NVNT	ac40	5190	Ant1	9.78	22.05	Pass
NVNT	ac40	5190	Ant2	10.22	22.05	Pass
NVNT	ac40	5190	Sum	13.02	22.05	Pass
NVNT	ac40	5230	Ant1	9.77	22.05	Pass
NVNT	ac40	5230	Ant2	10.02	22.05	Pass
NVNT	ac40	5230	Sum	12.91	22.05	Pass
NVNT	ac80	5210	Ant1	9.77	22.05	Pass
NVNT	ac80	5210	Ant2	10.08	22.05	Pass
NVNT	ac80	5210	Sum	12.94	22.05	Pass
NVNT	n20	5180	Ant1	9.92	22.05	Pass
NVNT	n20	5180	Ant2	9.98	22.05	Pass
NVNT	n20	5180	Sum	12.96	22.05	Pass
NVNT	n20	5200	Ant1	9.81	22.05	Pass
NVNT	n20	5200	Ant2	10.15	22.05	Pass
NVNT	n20	5200	Sum	12.99	22.05	Pass
NVNT	n20	5240	Ant1	10.14	22.05	Pass
NVNT	n20	5240	Ant2	10.19	22.05	Pass
NVNT	n20	5240	Sum	13.18	22.05	Pass
NVNT	n40	5190	Ant1	10.01	22.05	Pass
NVNT	n40	5190	Ant2	10.23	22.05	Pass
NVNT	n40	5190	Sum	13.13	22.05	Pass
NVNT	n40	5230	Ant1	10.04	22.05	Pass
NVNT	n40	5230	Ant2	10.15	22.05	Pass
NVNT	n40	5230	Sum	13.11	22.05	Pass

-26dB Bandwidth

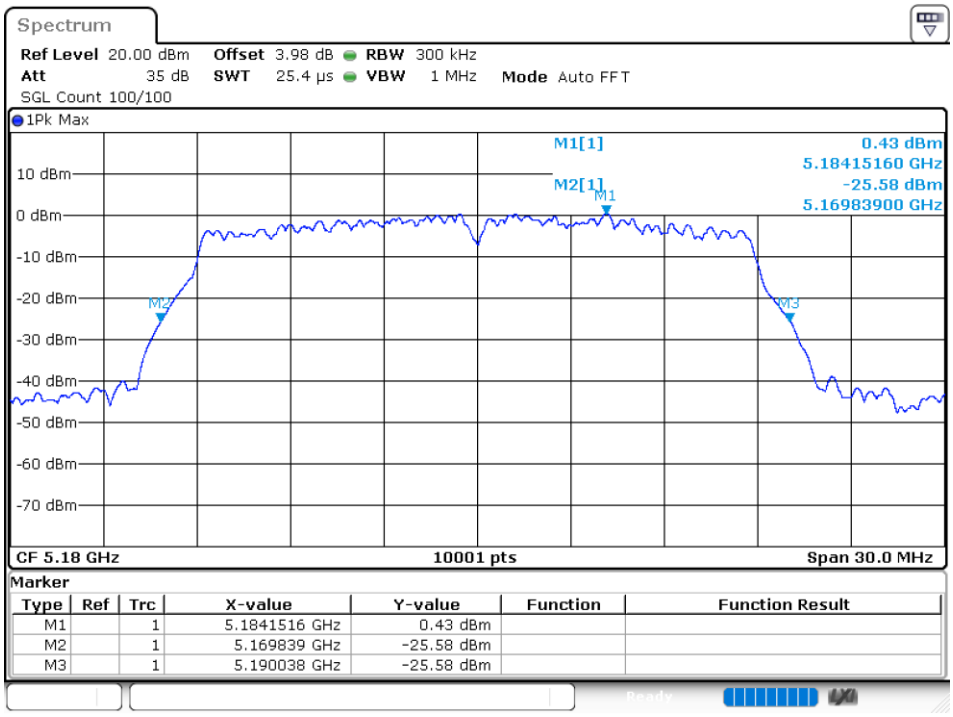
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5180	Ant1	19.857	Pass
NVNT	ac20	5180	Ant2	20.199	Pass
NVNT	ac20	5200	Ant1	19.944	Pass
NVNT	ac20	5200	Ant2	19.836	Pass
NVNT	ac20	5240	Ant1	20.013	Pass
NVNT	ac20	5240	Ant2	19.935	Pass
NVNT	ac40	5190	Ant1	40.062	Pass
NVNT	ac40	5190	Ant2	40.134	Pass
NVNT	ac40	5230	Ant1	50.838	Pass
NVNT	ac40	5230	Ant2	40.266	Pass
NVNT	ac80	5210	Ant1	81.408	Pass
NVNT	ac80	5210	Ant2	80.16	Pass
NVNT	n20	5180	Ant1	19.515	Pass
NVNT	n20	5180	Ant2	19.929	Pass
NVNT	n20	5200	Ant1	19.932	Pass
NVNT	n20	5200	Ant2	19.869	Pass
NVNT	n20	5240	Ant1	20.22	Pass
NVNT	n20	5240	Ant2	20.157	Pass
NVNT	n40	5190	Ant1	40.206	Pass
NVNT	n40	5190	Ant2	40.404	Pass
NVNT	n40	5230	Ant1	47.922	Pass
NVNT	n40	5230	Ant2	39.888	Pass

Test Graphs

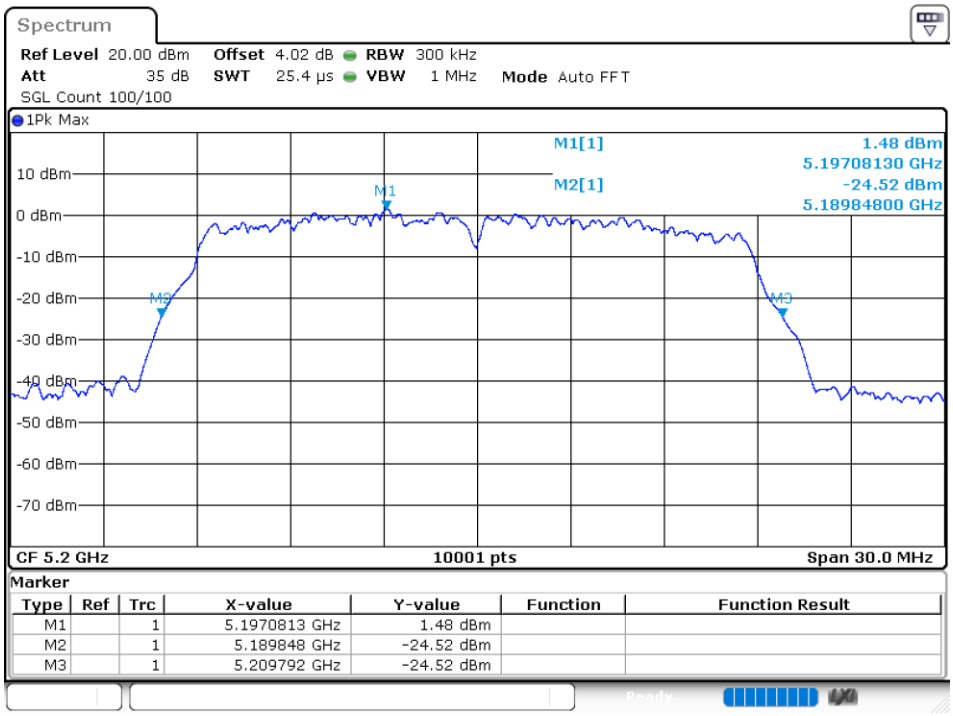
-26dB Bandwidth NVNT ac20 5180MHz Ant1



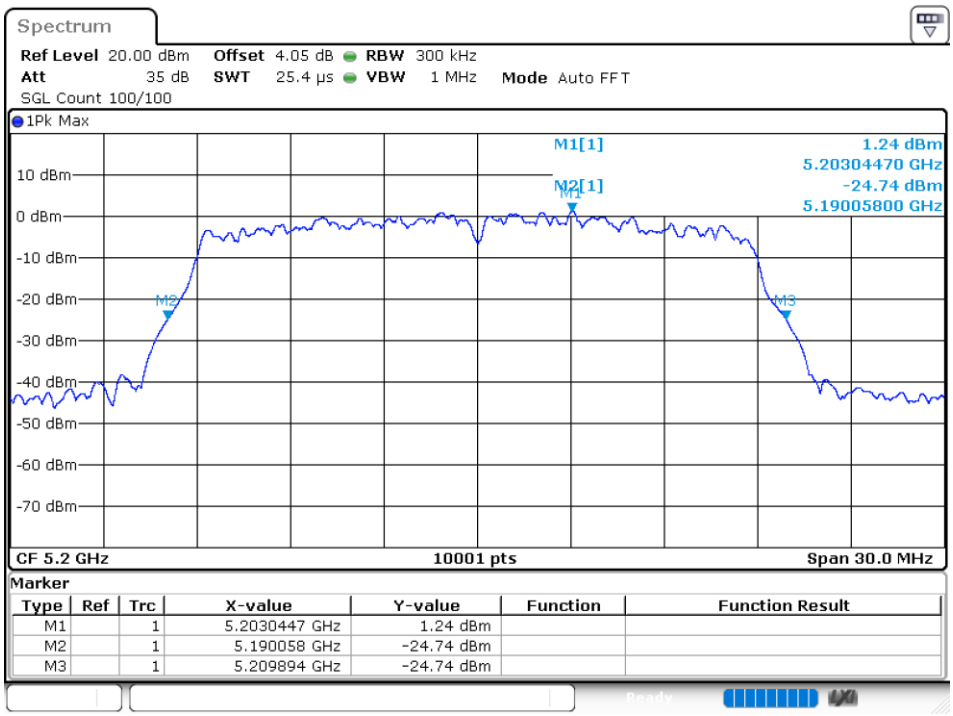
-26dB Bandwidth NVNT ac20 5180MHz Ant2



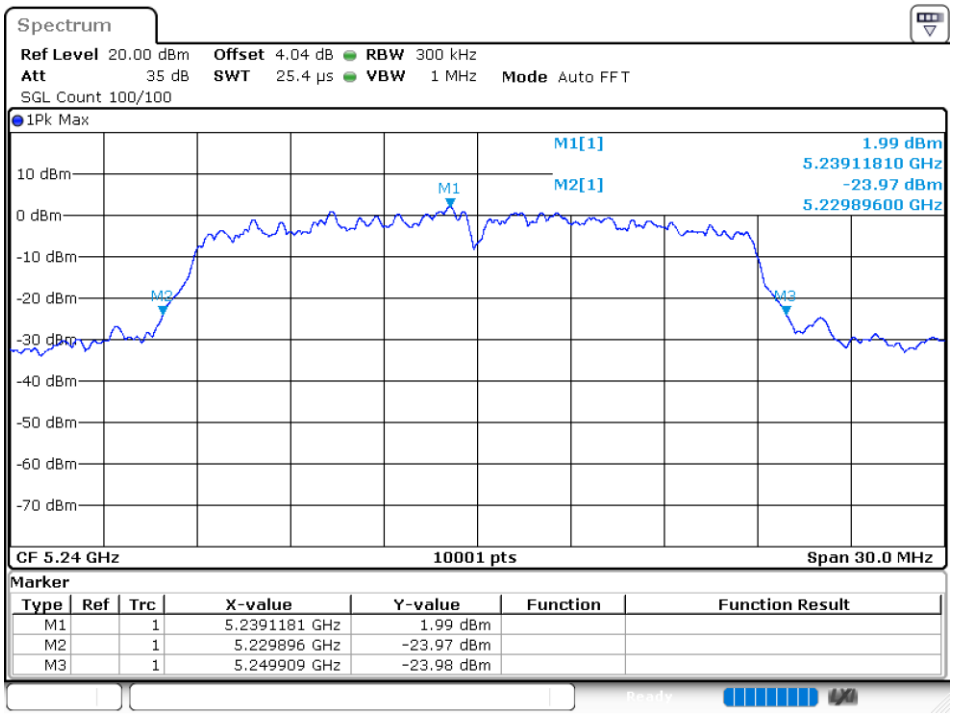
-26dB Bandwidth NVNT ac20 5200MHz Ant1



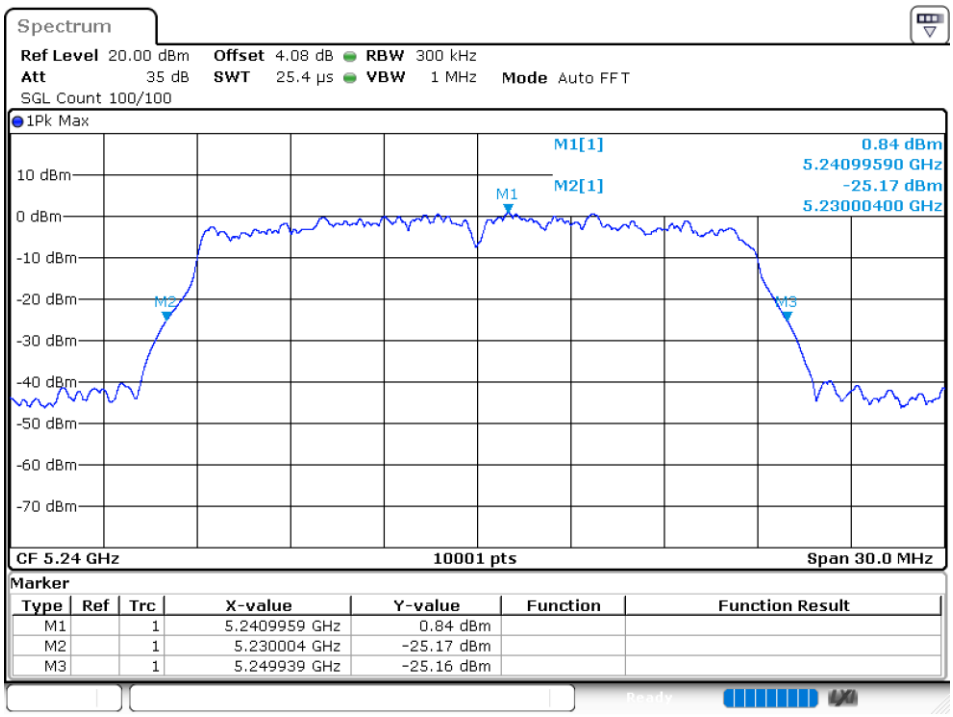
-26dB Bandwidth NVNT ac20 5200MHz Ant2



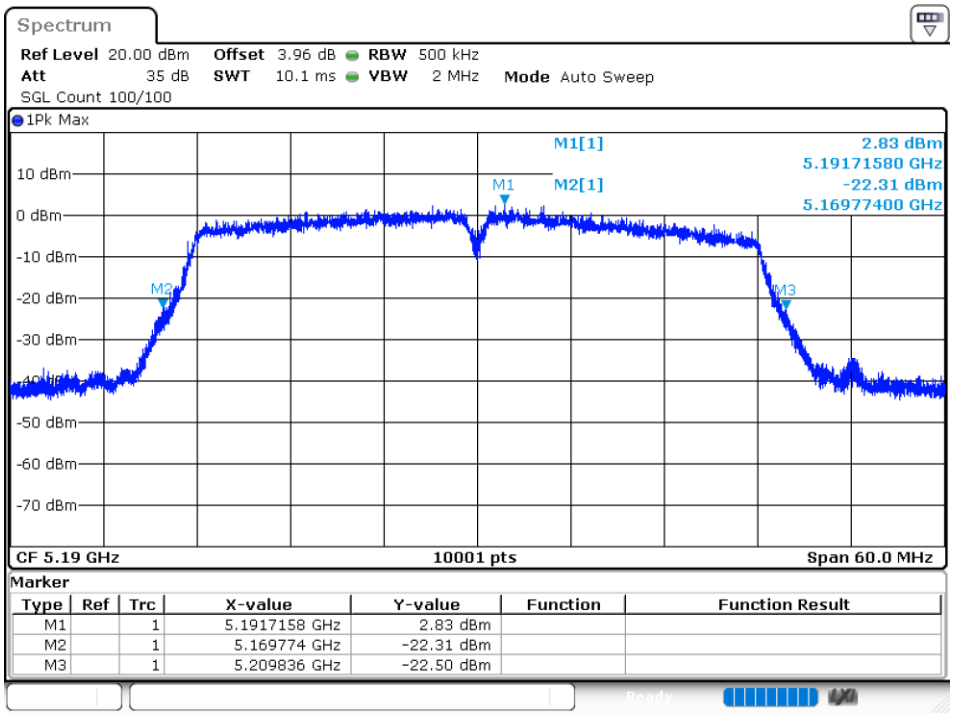
-26dB Bandwidth NVNT ac20 5240MHz Ant1



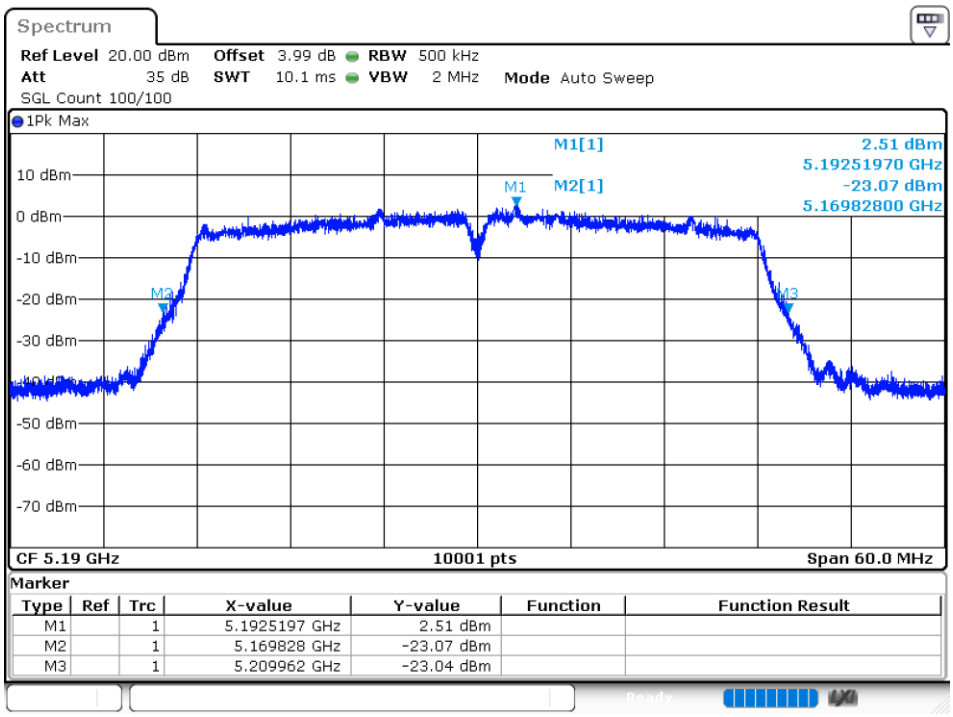
-26dB Bandwidth NVNT ac20 5240MHz Ant2



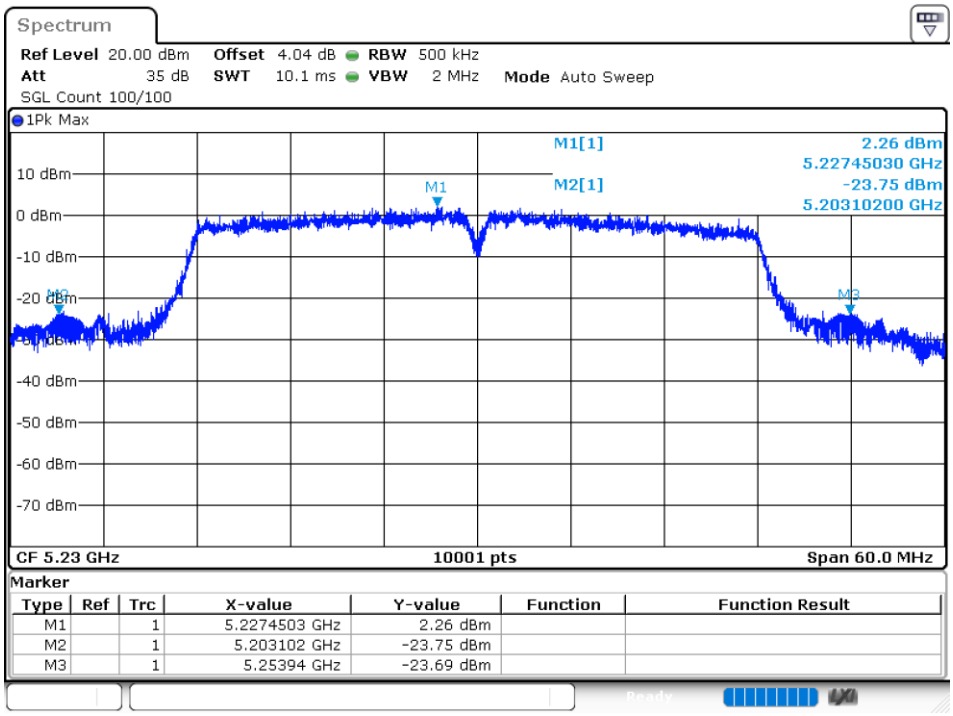
-26dB Bandwidth NVNT ac40 5190MHz Ant1



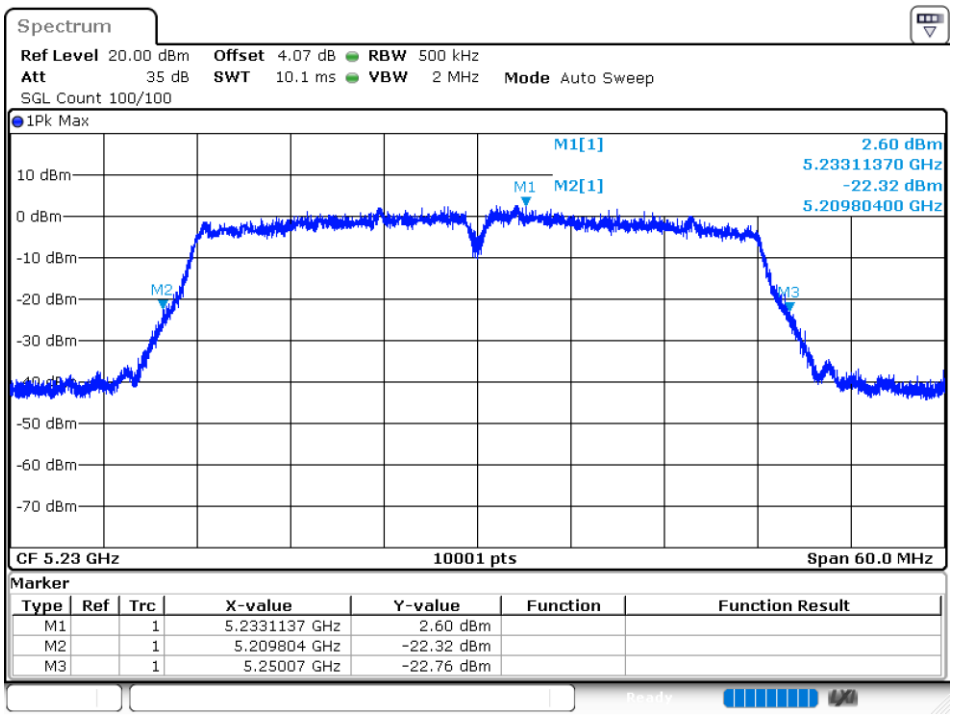
-26dB Bandwidth NVNT ac40 5190MHz Ant2



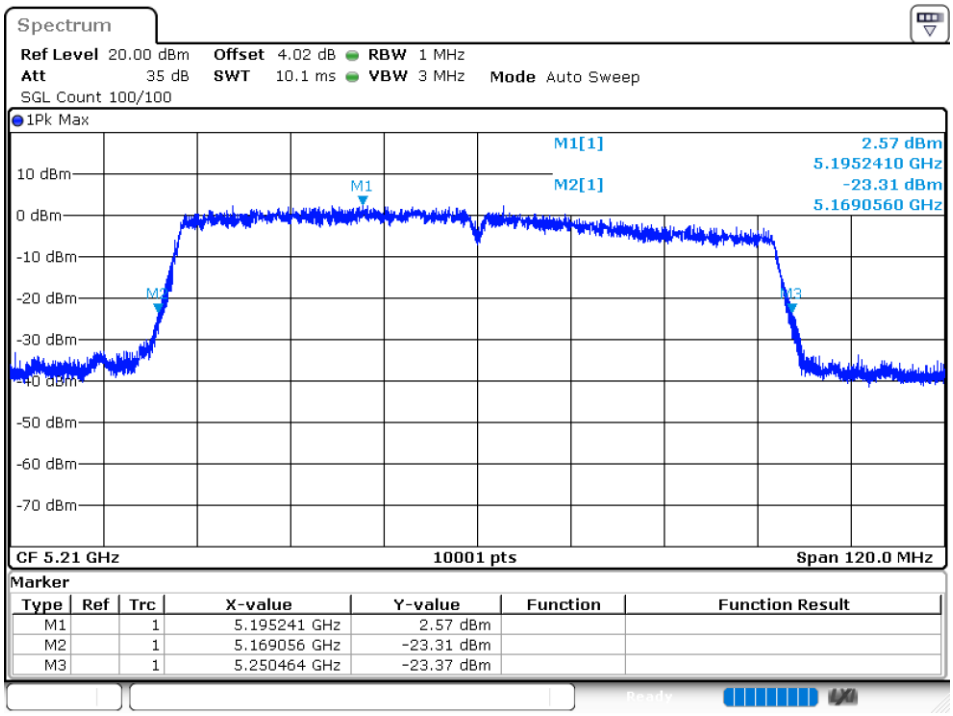
-26dB Bandwidth NVNT ac40 5230MHz Ant1



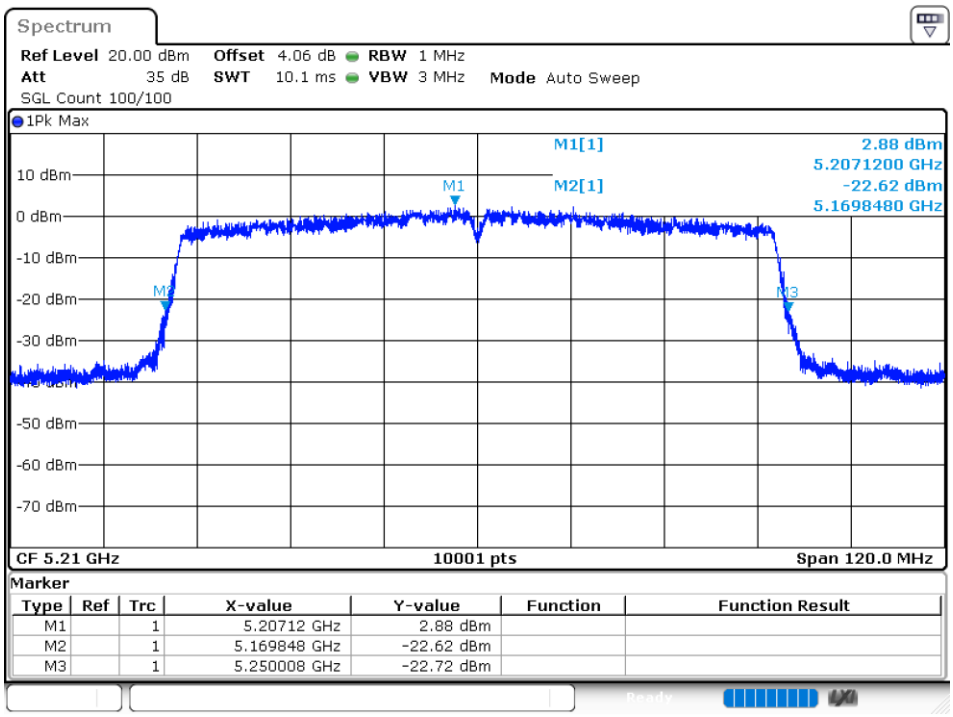
-26dB Bandwidth NVNT ac40 5230MHz Ant2



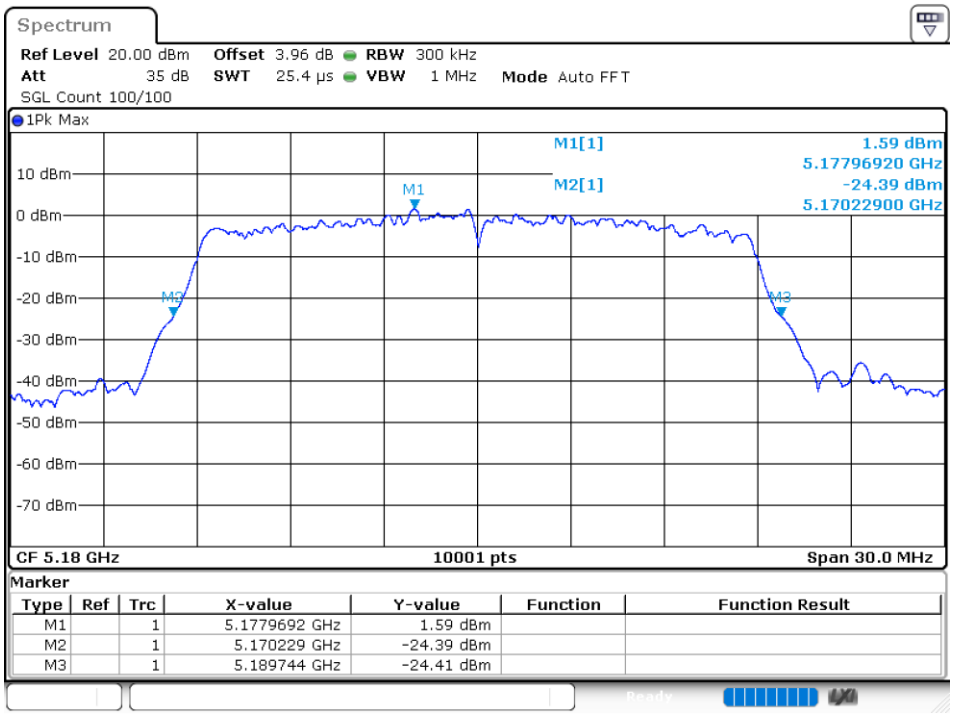
-26dB Bandwidth NVNT ac80 5210MHz Ant1



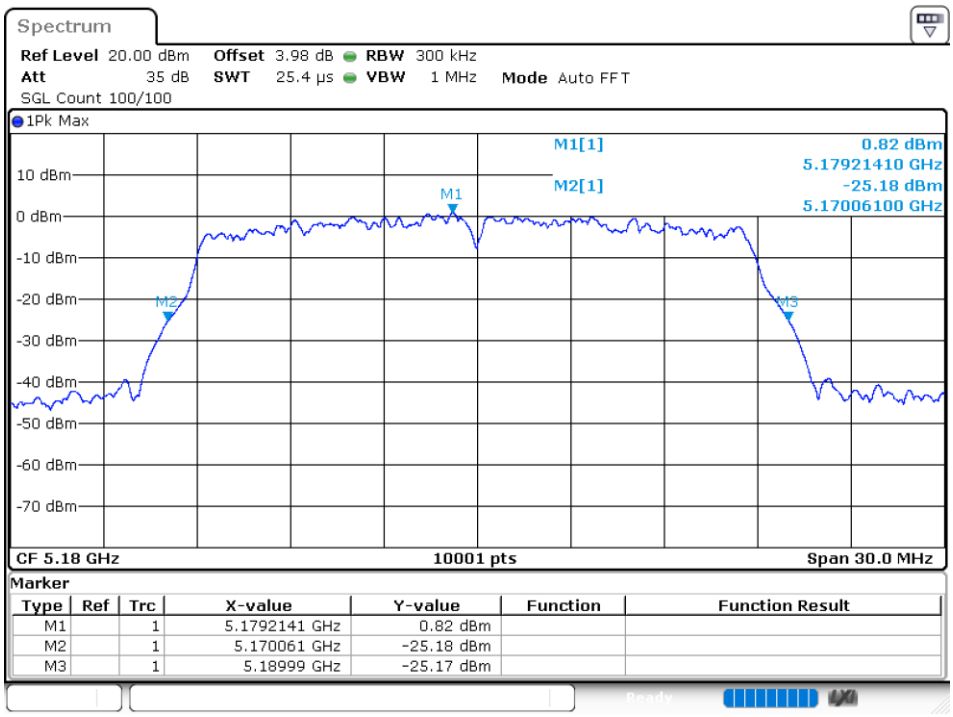
-26dB Bandwidth NVNT ac80 5210MHz Ant2



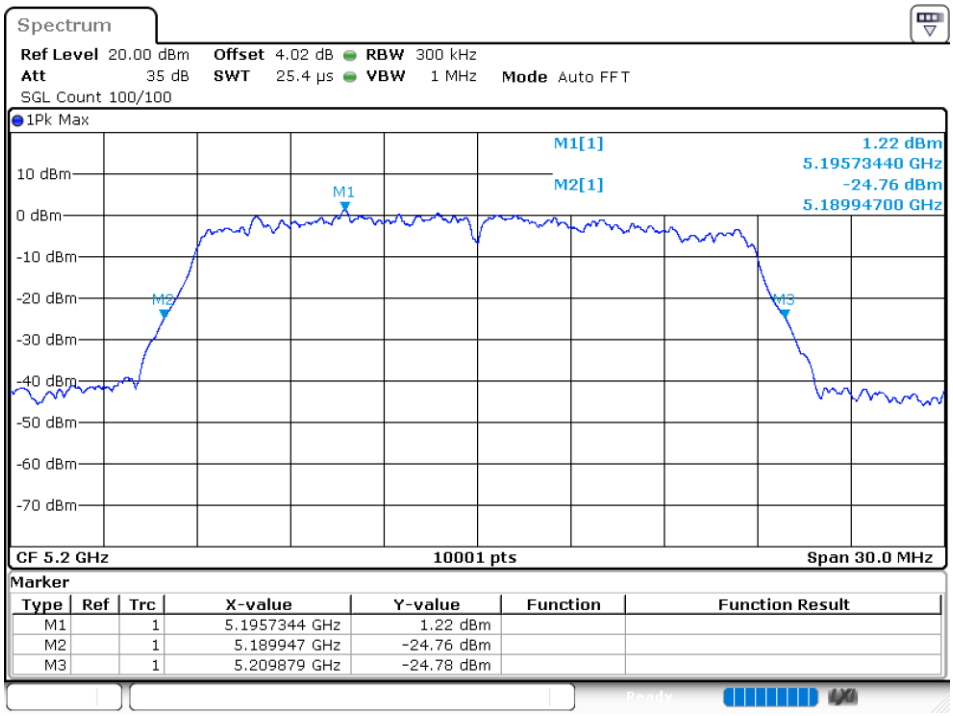
-26dB Bandwidth NVNT n20 5180MHz Ant1



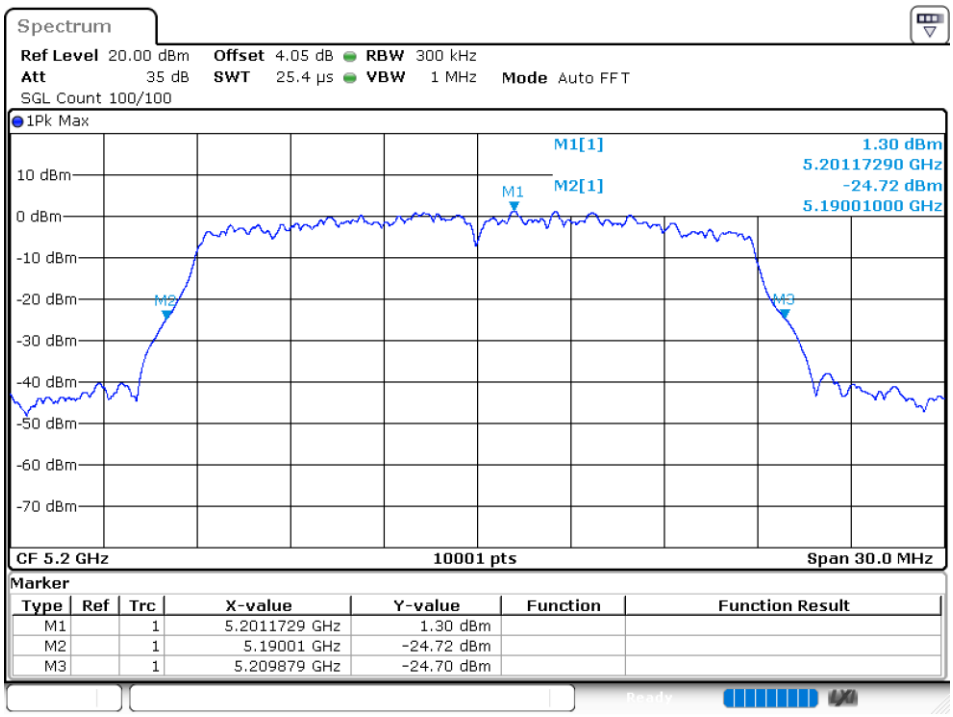
-26dB Bandwidth NVNT n20 5180MHz Ant2



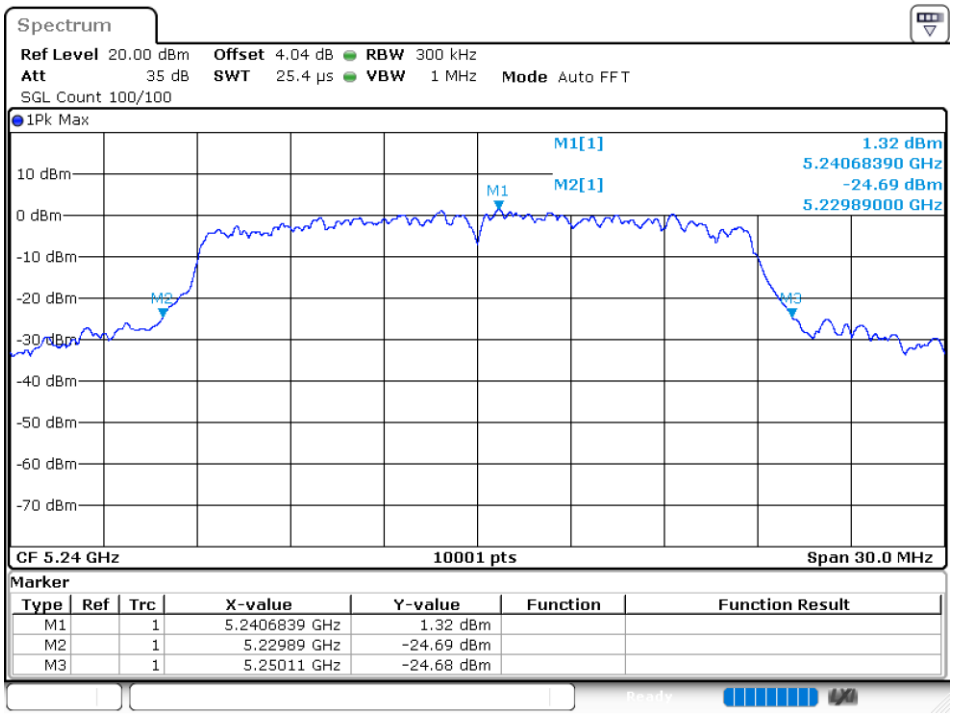
-26dB Bandwidth NVNT n20 5200MHz Ant1



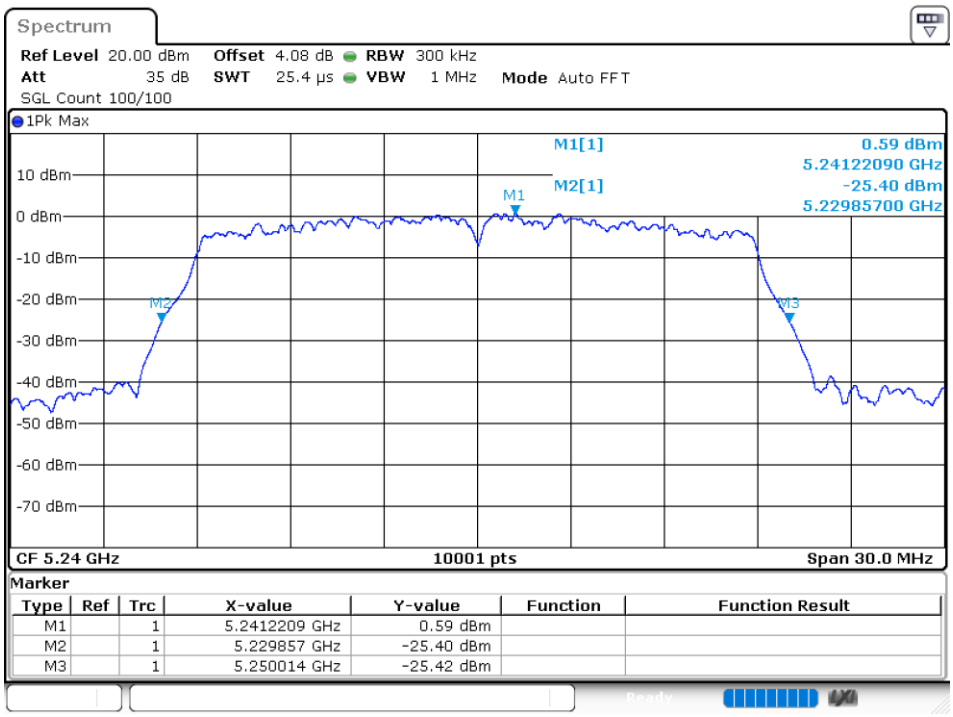
-26dB Bandwidth NVNT n20 5200MHz Ant2



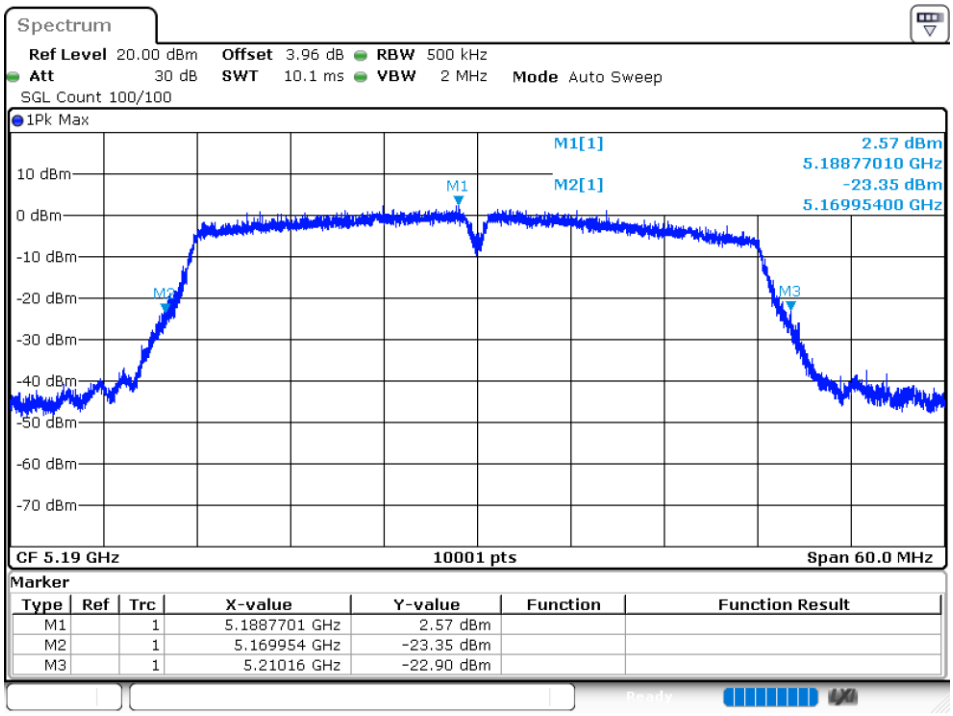
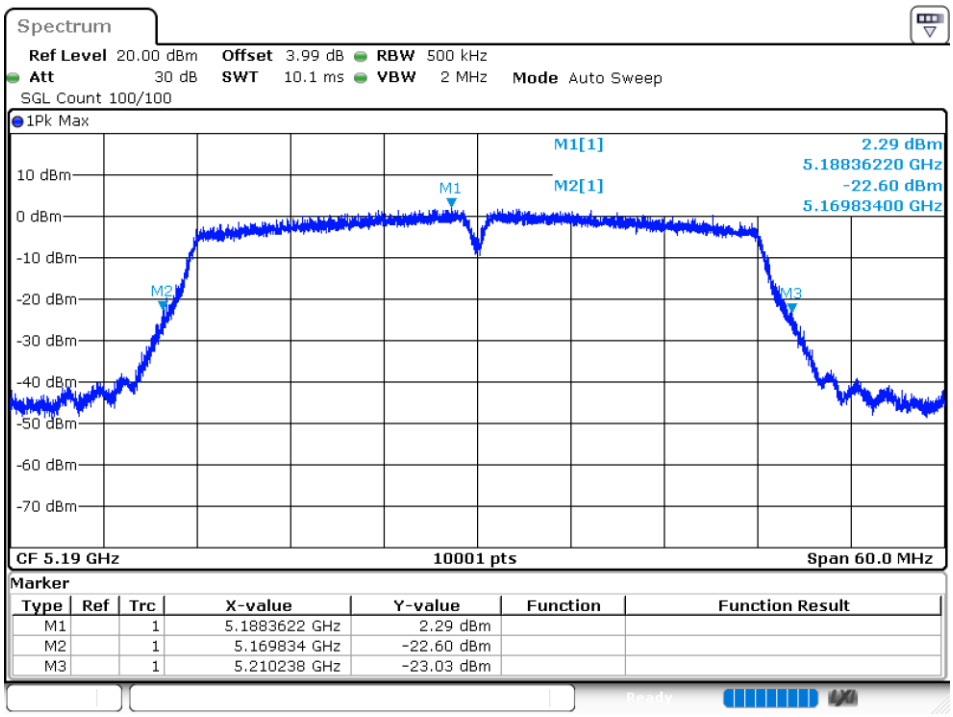
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant2



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant2