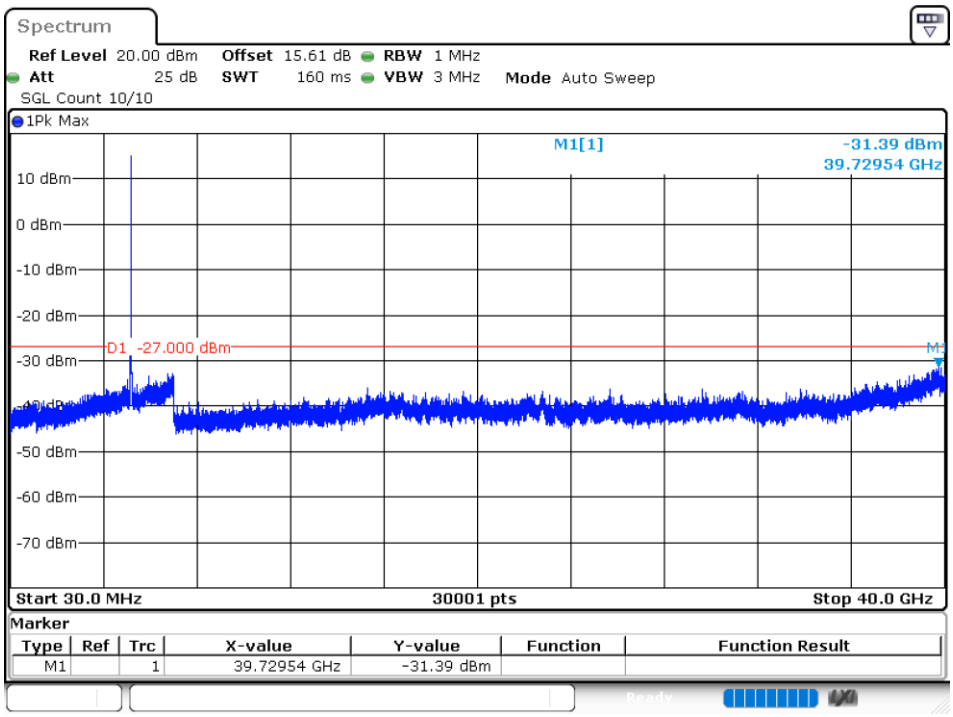
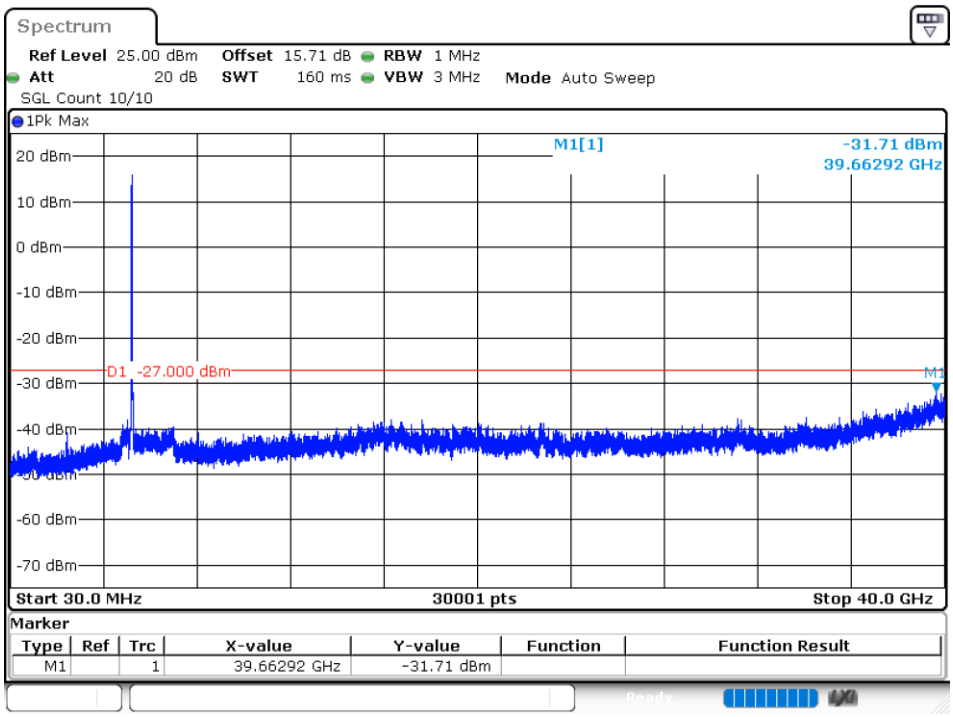
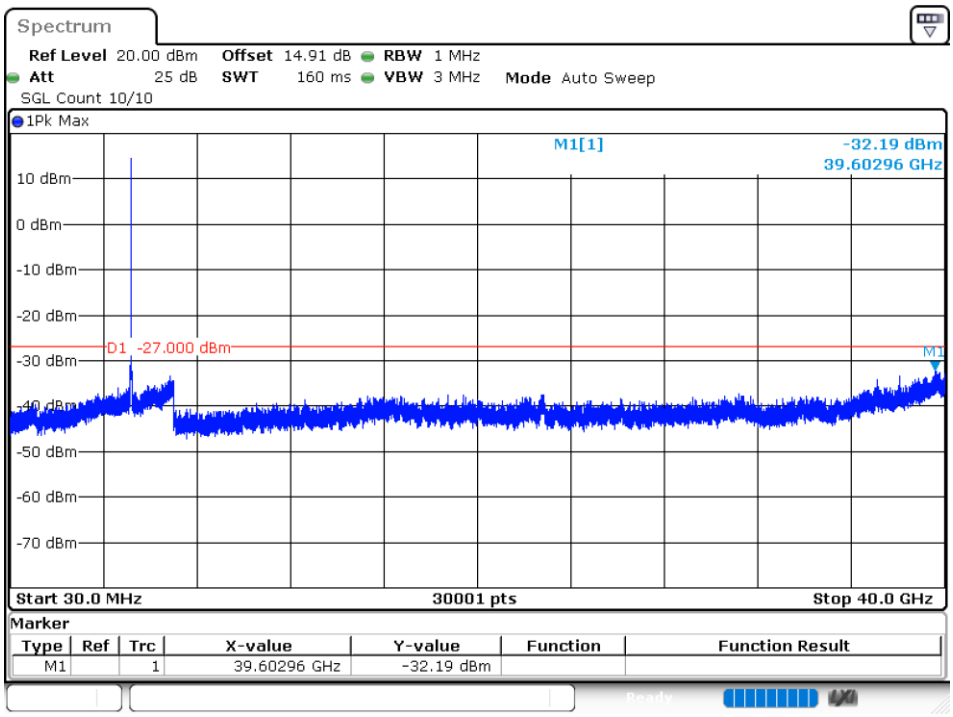


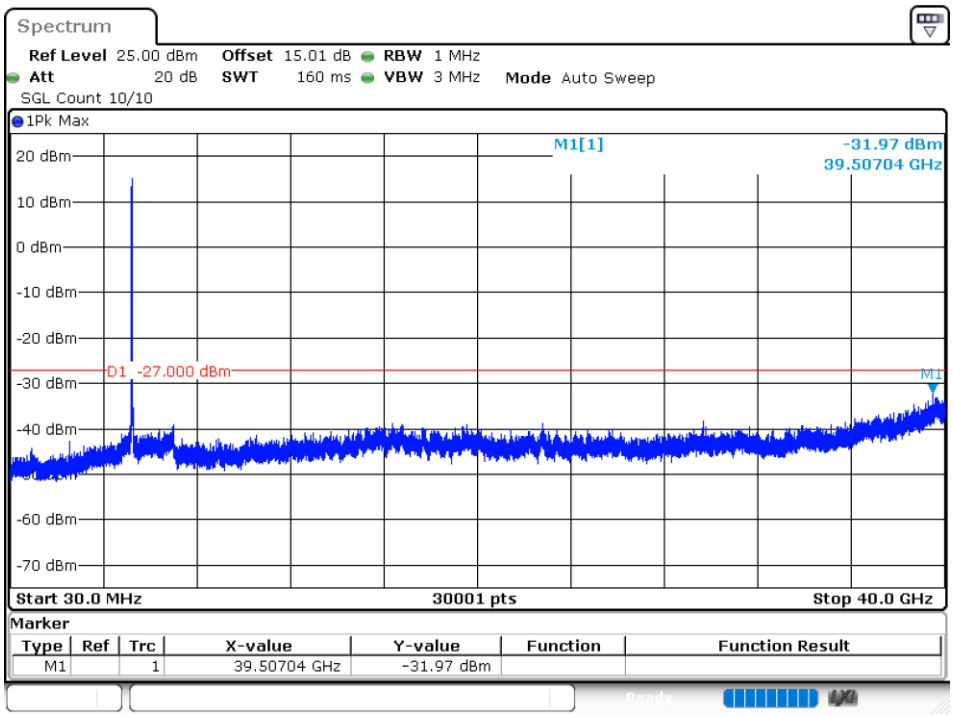
Tx. Spurious NVNT n40 5230MHz Ant 1 Emission



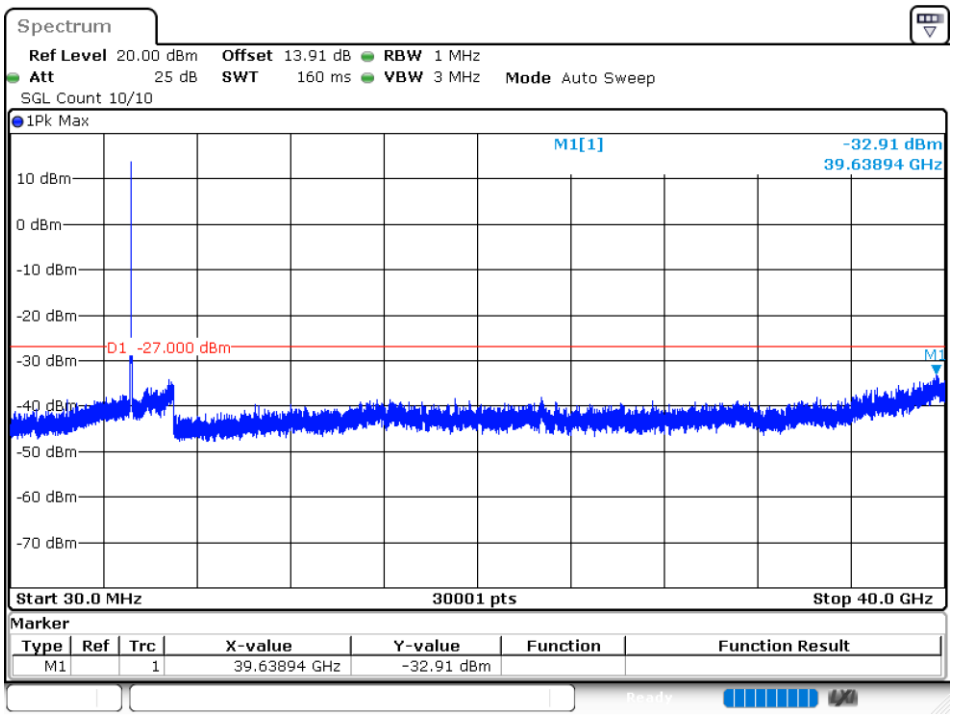
Tx. Spurious NVNT n40 5190MHz Ant 2 Emission



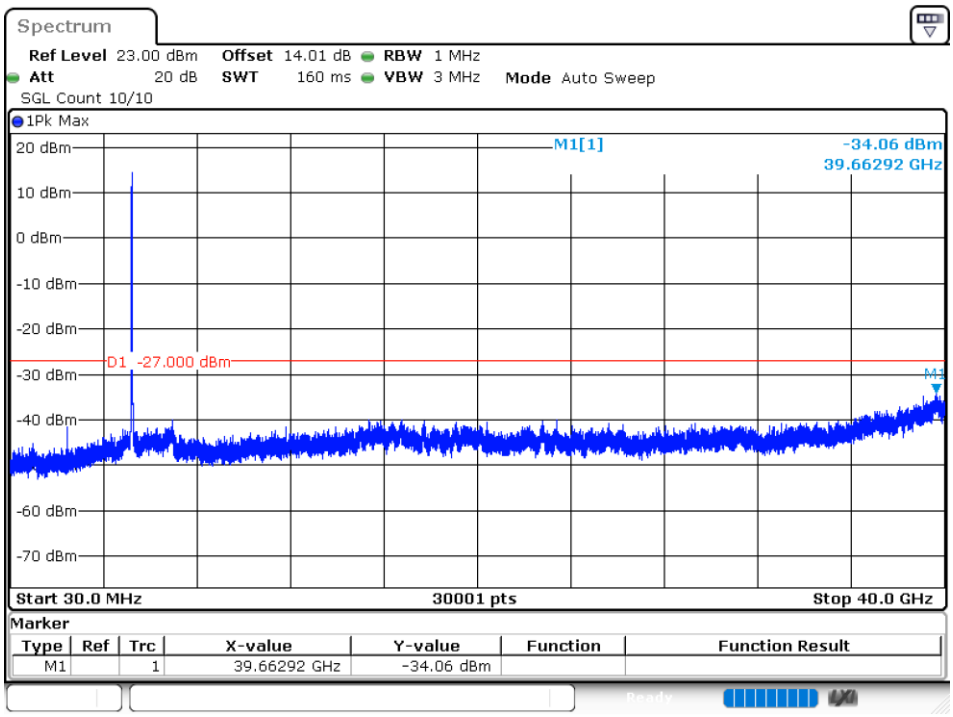
Tx. Spurious NVNT n40 5230MHz Ant 2 Emission



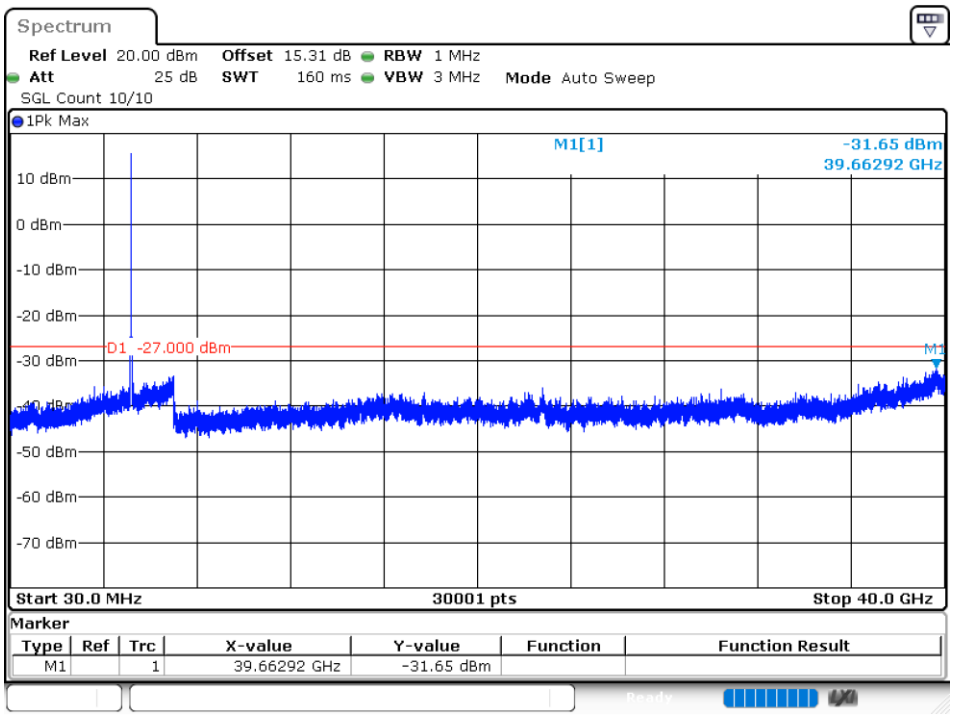
Tx. Spurious NVNT n40 5190MHz Ant 3 Emission



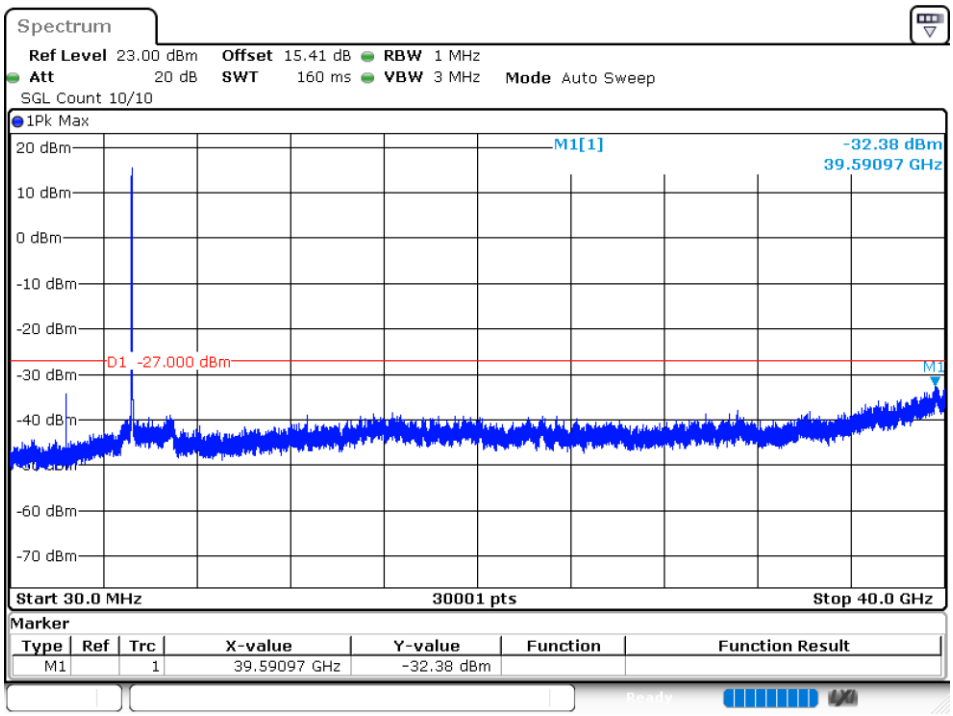
Tx. Spurious NVNT n40 5230MHz Ant 3 Emission



Tx. Spurious NVNT n40 5190MHz Ant 4 Emission



Tx. Spurious NVNT n40 5230MHz Ant 4 Emission



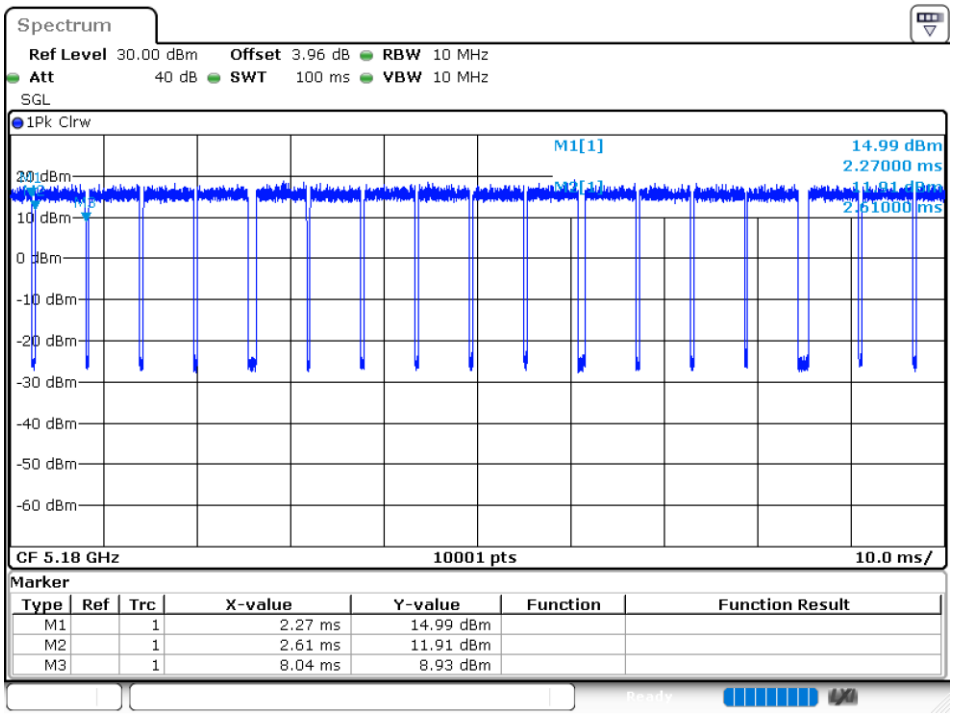
5.2G WIFI MIMO

Duty Cycle

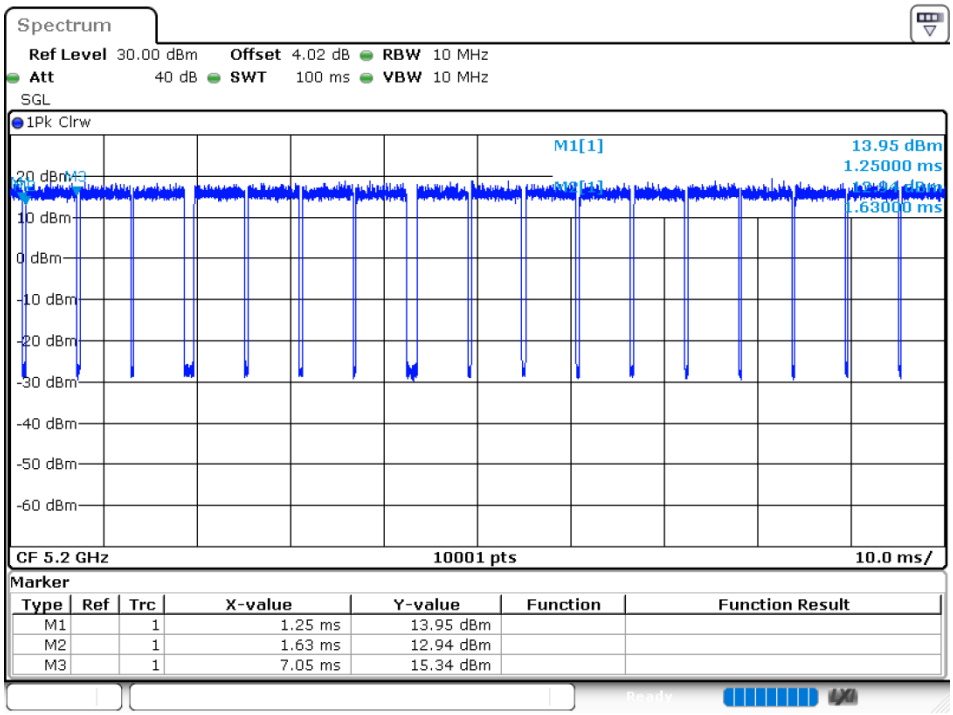
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5180	Sum	92.31	0.35	0.18
NVNT	ac20	5200	Sum	92.91	0.32	0.18
NVNT	ac20	5240	Sum	92.85	0.32	0.18
NVNT	ac40	5190	Sum	92.22	0.35	0.18
NVNT	ac40	5230	Sum	94.2	0.26	0.18
NVNT	ac80	5210	Sum	93.51	0.29	0.18
NVNT	ax20	5180	Sum	96.09	0.17	0.18
NVNT	ax20	5200	Sum	94.05	0.27	0.18
NVNT	ax20	5240	Sum	94.26	0.26	0.18
NVNT	ax40	5190	Sum	94.88	0.23	0.18
NVNT	ax40	5230	Sum	94.16	0.26	0.18
NVNT	ax80	5210	Sum	94.8	0.23	0.18
NVNT	n20	5180	Sum	92.71	0.33	0.18
NVNT	n20	5200	Sum	94.91	0.23	0.18
NVNT	n20	5240	Sum	94.13	0.26	0.18
NVNT	n40	5190	Sum	93.18	0.31	0.18
NVNT	n40	5230	Sum	92.92	0.32	0.18

Test Graphs

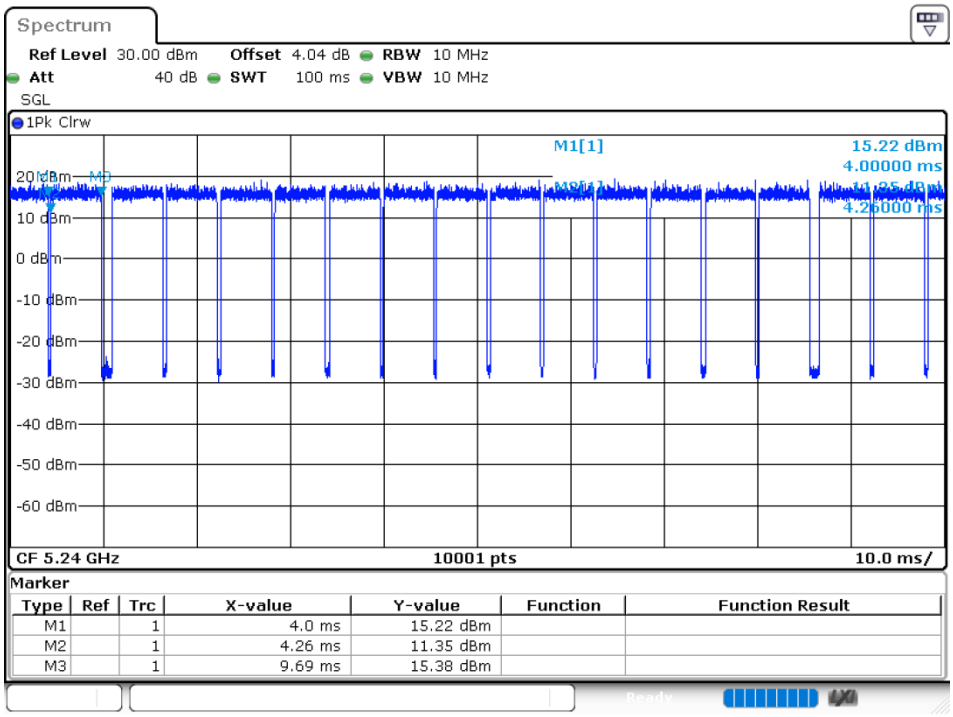
Duty Cycle NVNT ac20 5180MHz Sum



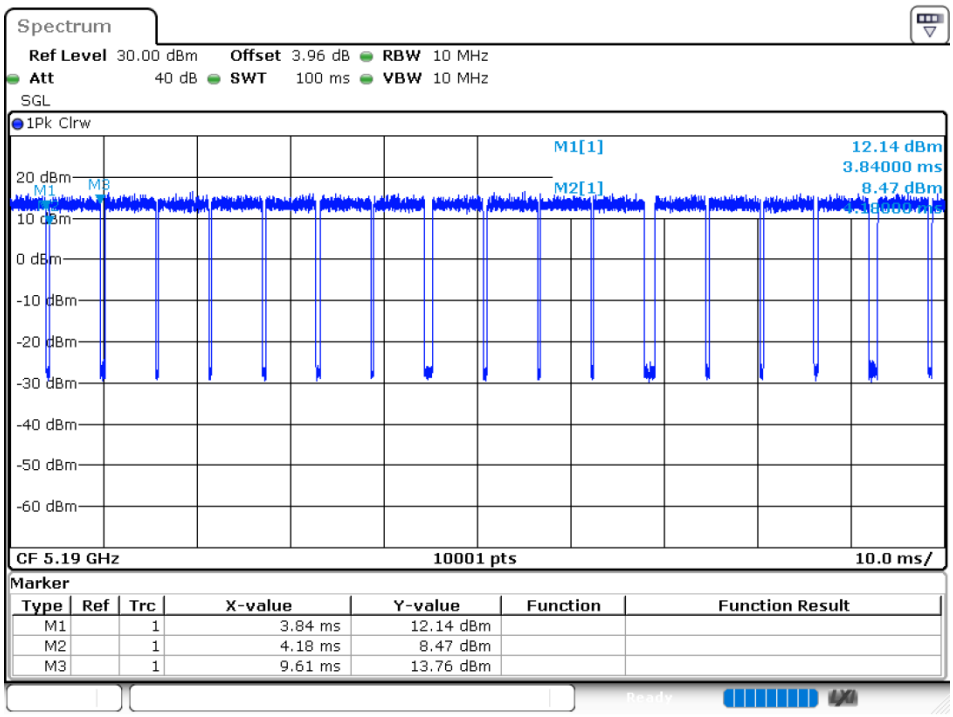
Duty Cycle NVNT ac20 5200MHz Sum



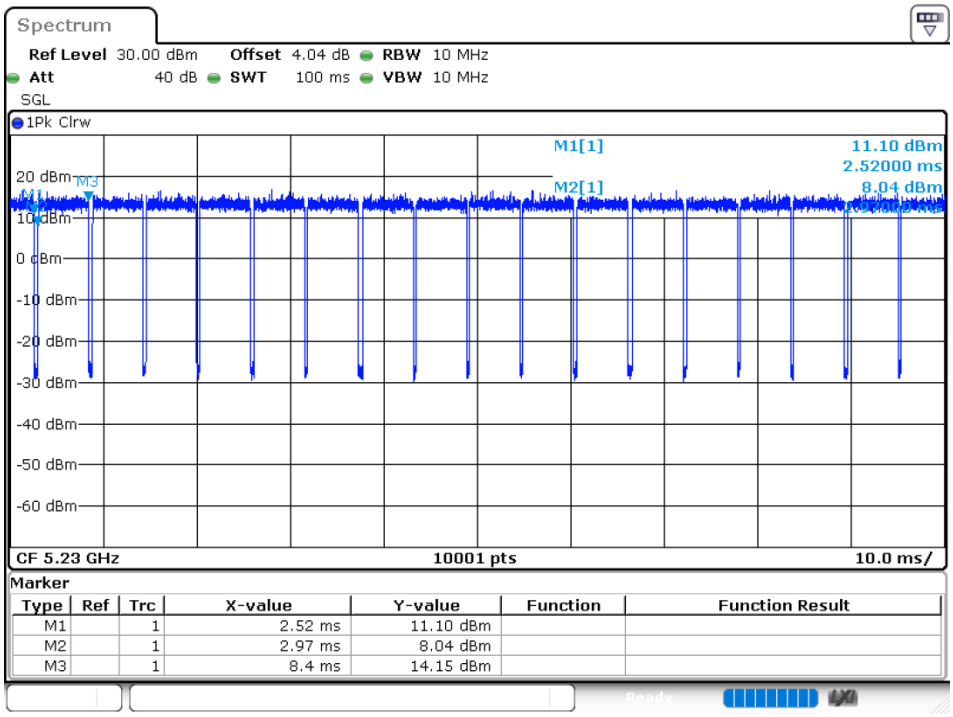
Duty Cycle NVNT ac20 5240MHz Sum



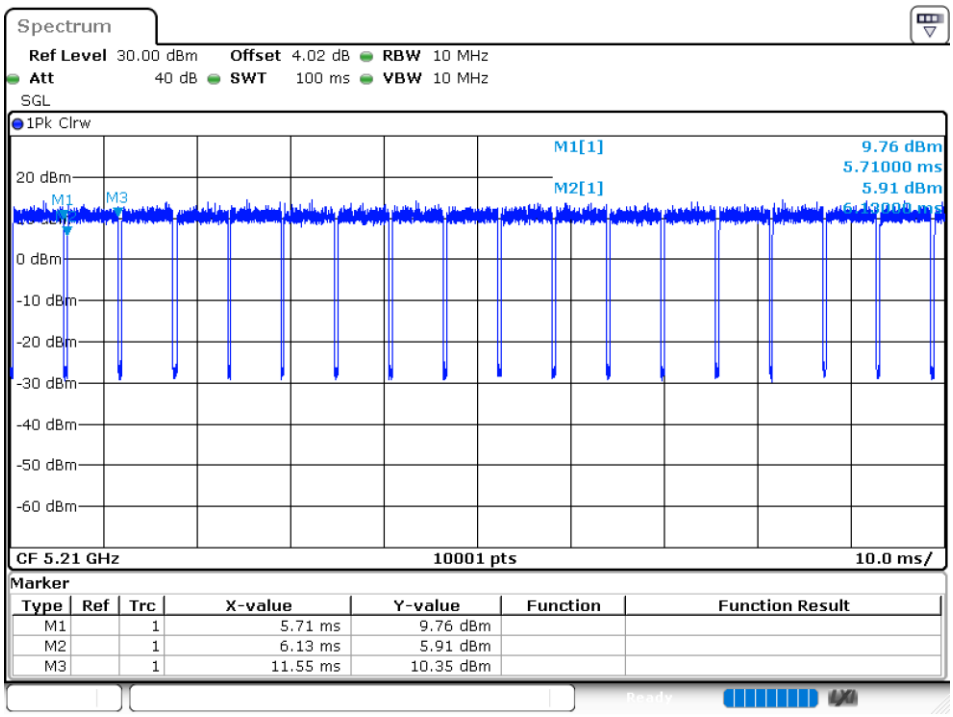
Duty Cycle NVNT ac40 5190MHz Sum



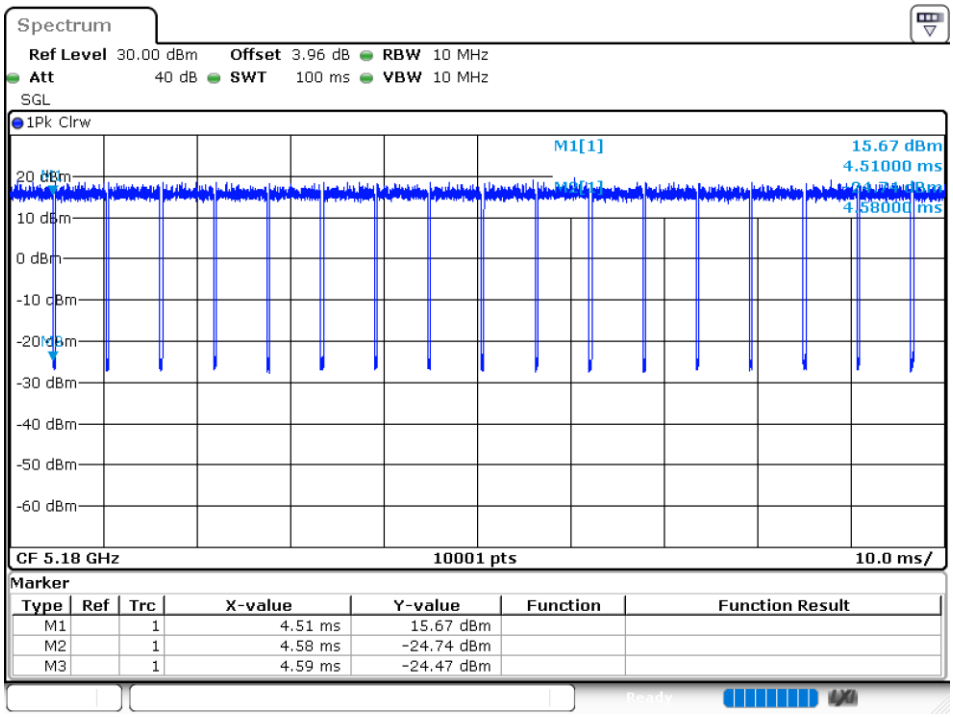
Duty Cycle NVNT ac40 5230MHz Sum



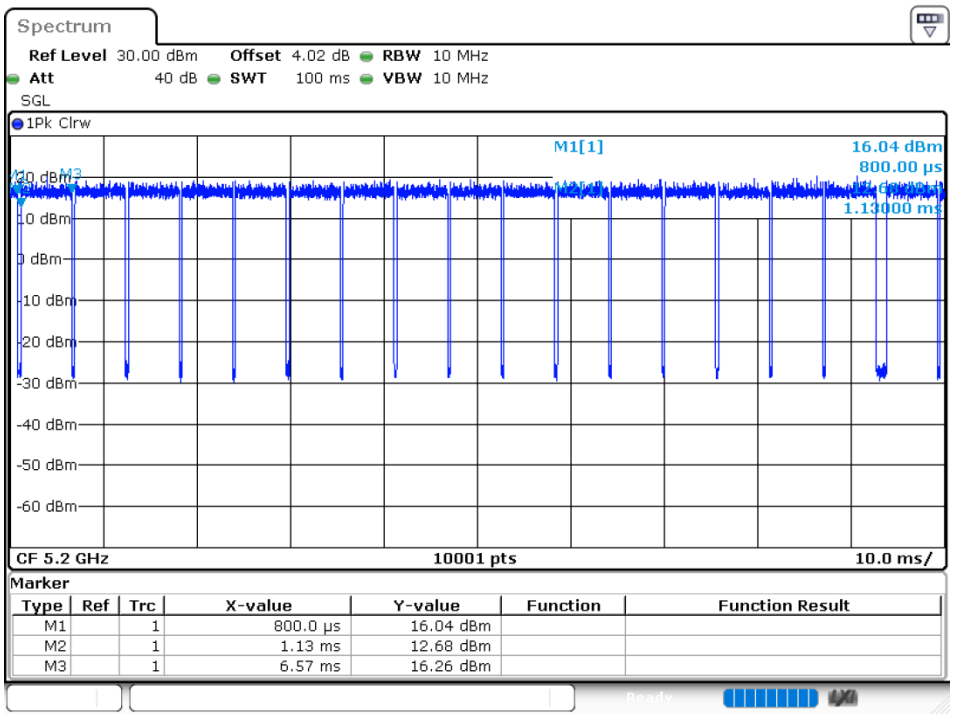
Duty Cycle NVNT ac80 5210MHz Sum



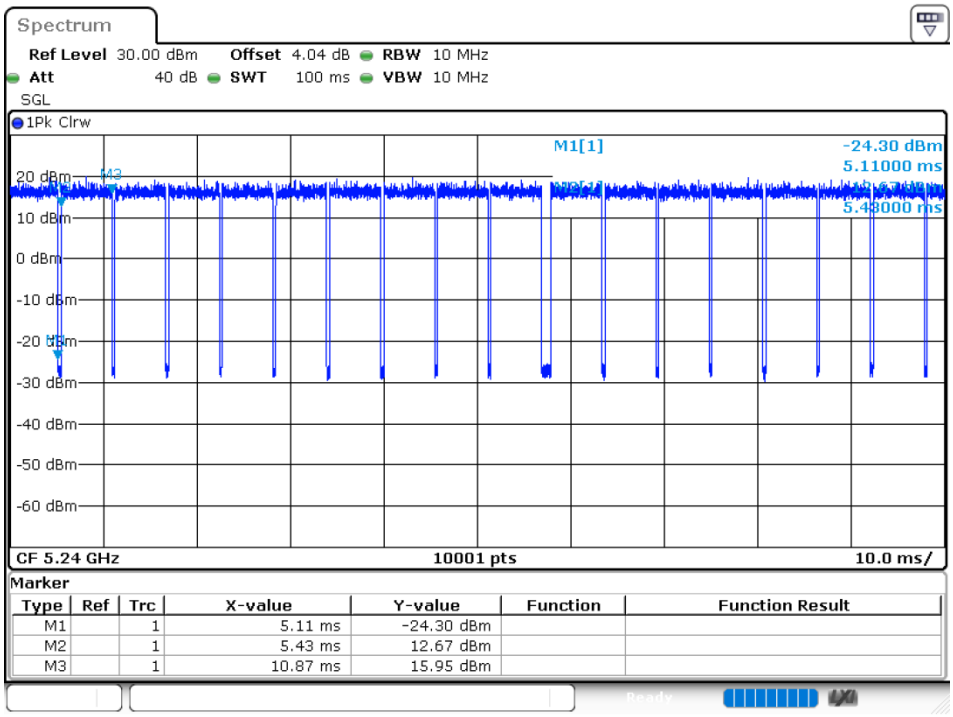
Duty Cycle NVNT ax20 5180MHz Sum



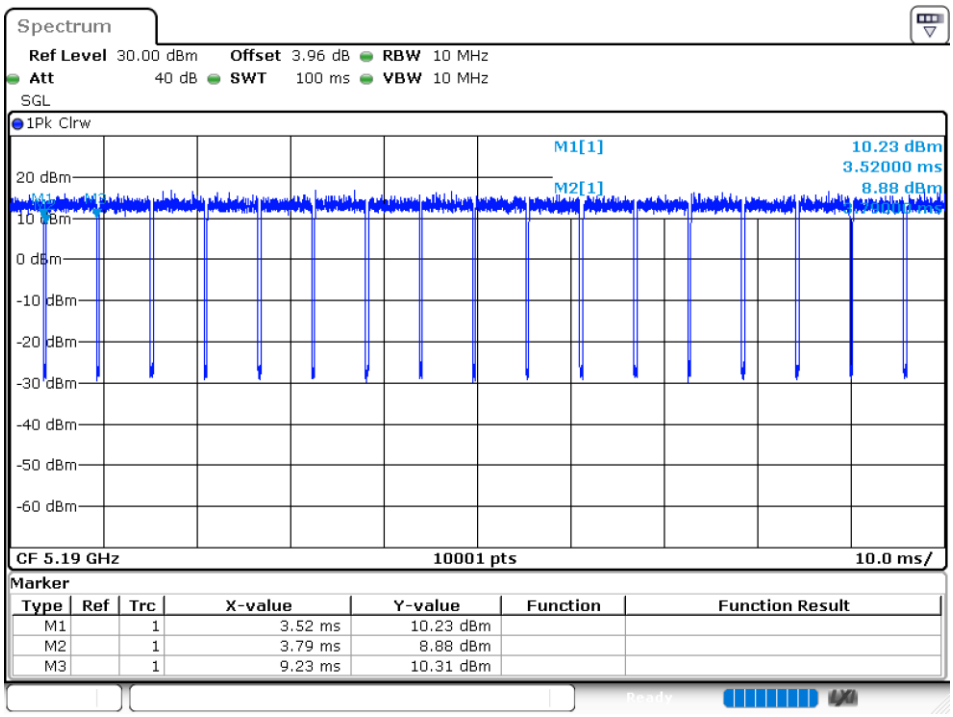
Duty Cycle NVNT ax20 5200MHz Sum



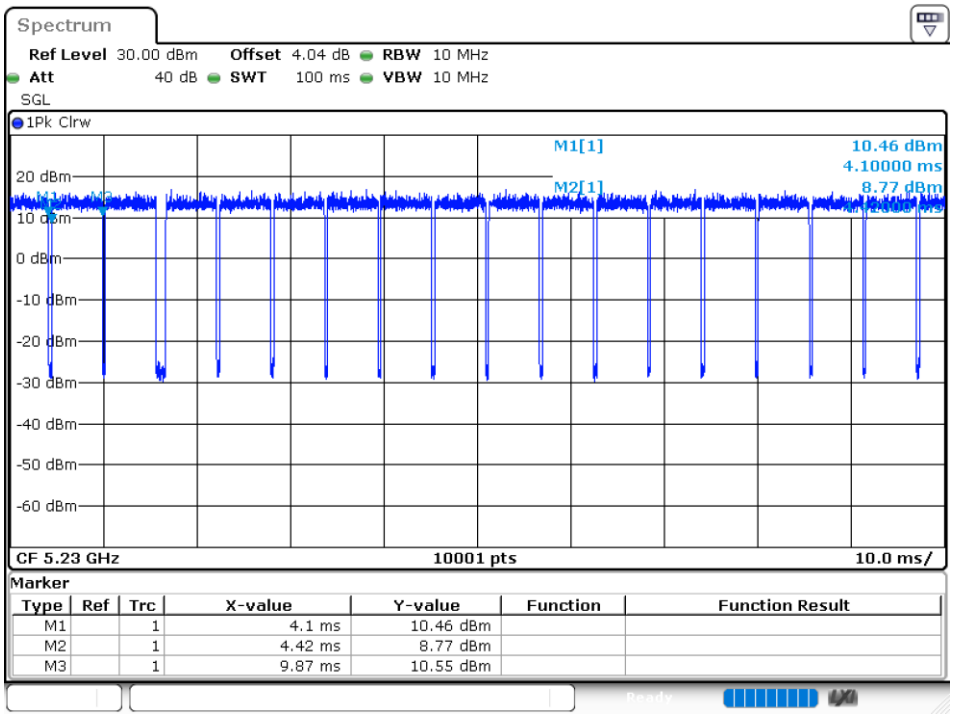
Duty Cycle NVNT ax20 5240MHz Sum



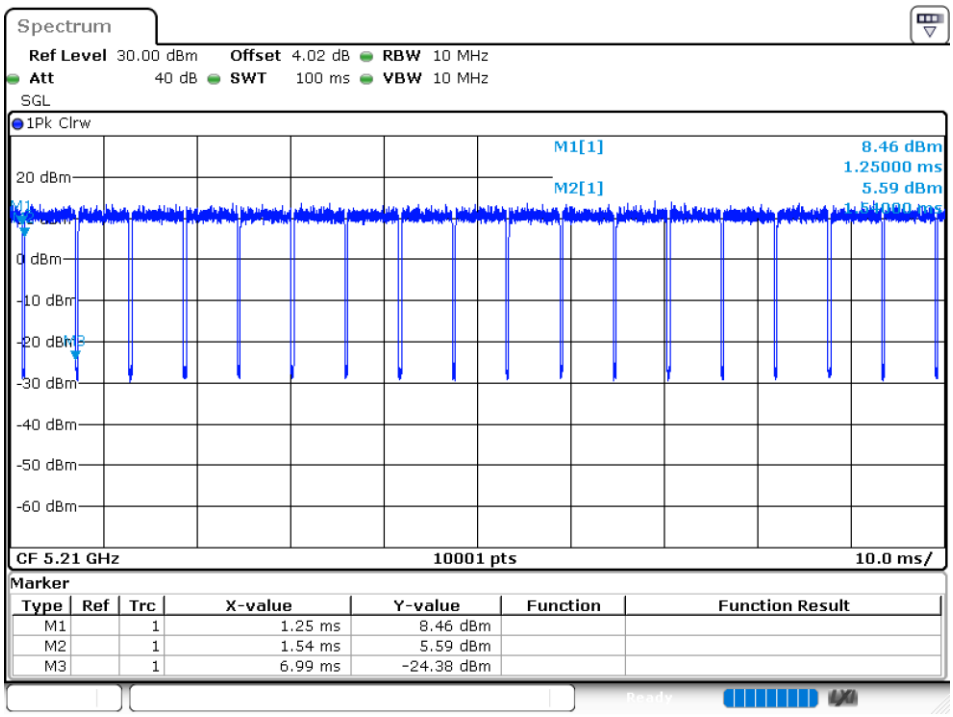
Duty Cycle NVNT ax40 5190MHz Sum



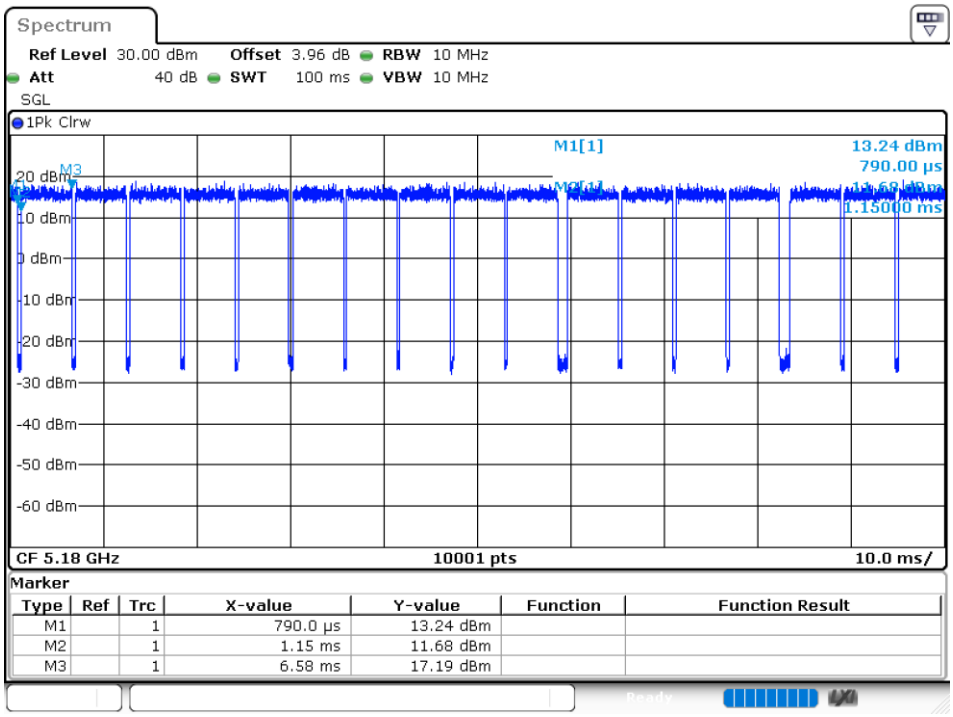
Duty Cycle NVNT ax40 5230MHz Sum



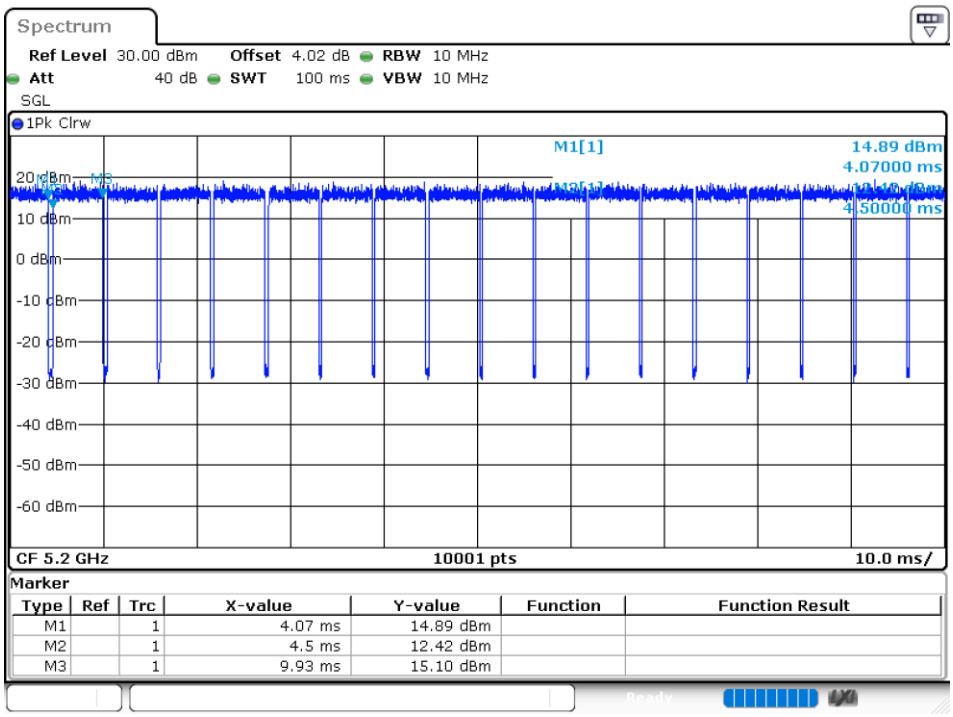
Duty Cycle NVNT ax80 5210MHz Sum



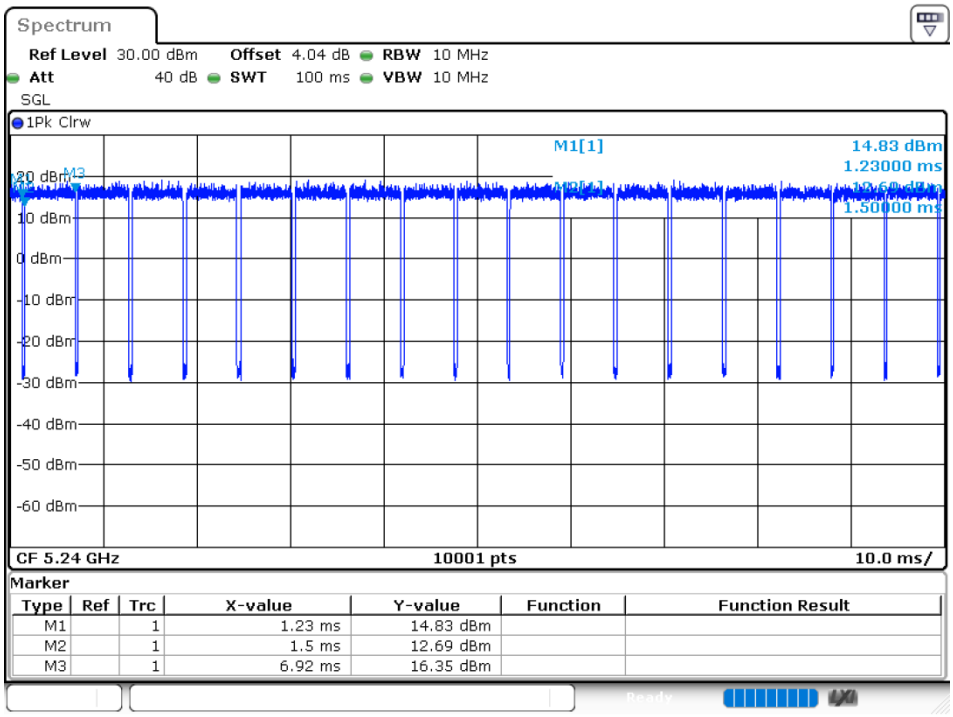
Duty Cycle NVNT n20 5180MHz Sum



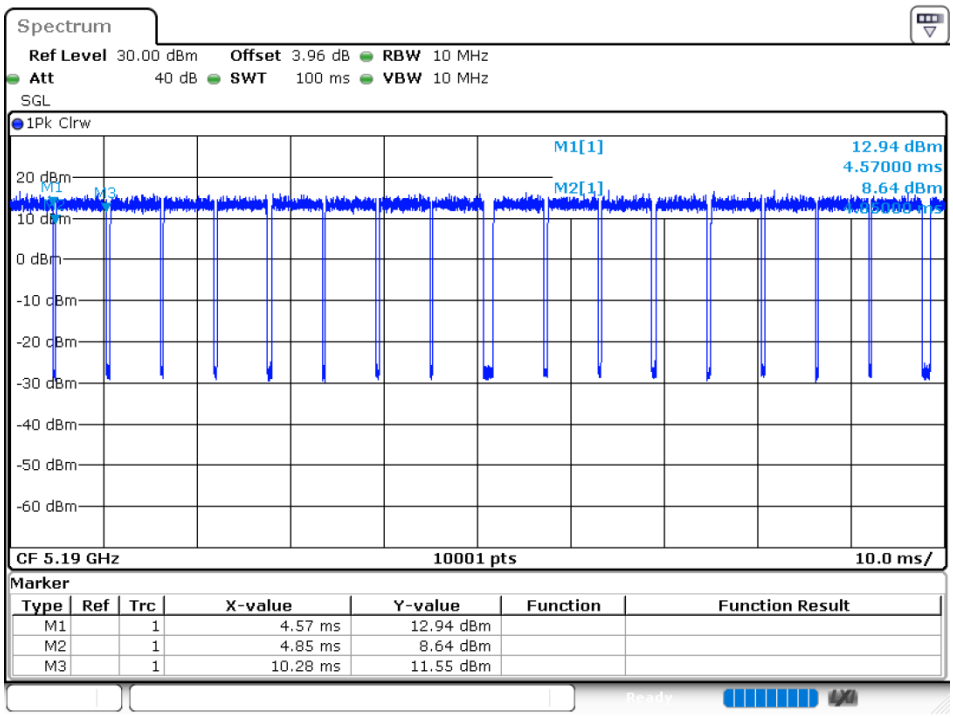
Duty Cycle NVNT n20 5200MHz Sum



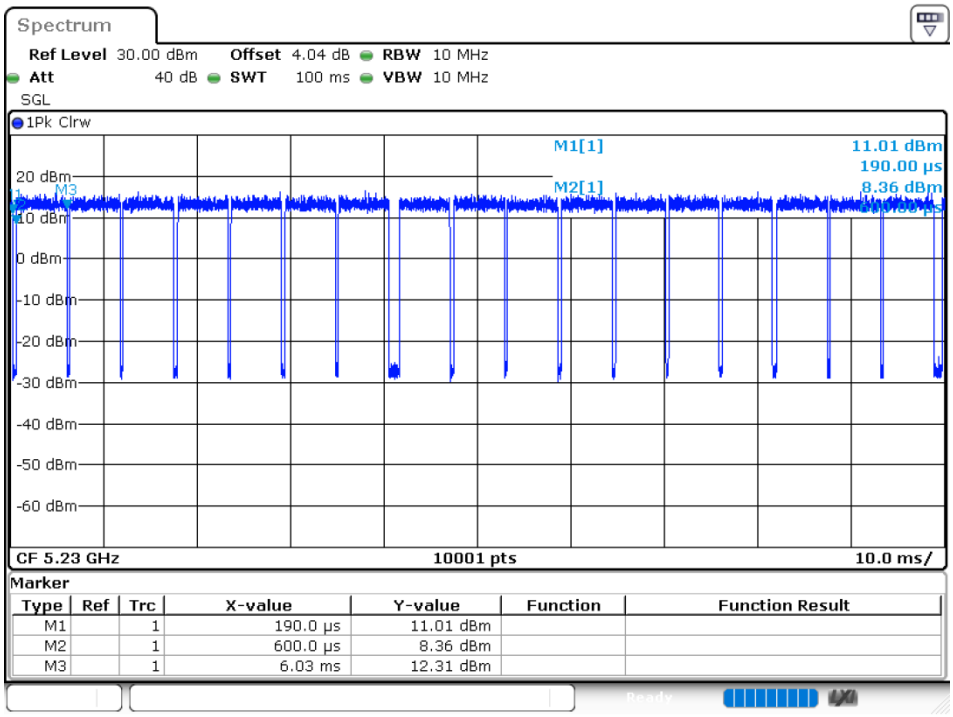
Duty Cycle NVNT n20 5240MHz Sum



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	13.32	30	Pass
NVNT	ac20	5180	Ant2	12.51	30	Pass
NVNT	ac20	5180	Ant3	12.13	30	Pass
NVNT	ac20	5180	Ant4	12.29	30	Pass
NVNT	ac20	5180	Sum	18.61	24.73	Pass
NVNT	ac20	5200	Ant1	12.79	30	Pass
NVNT	ac20	5200	Ant2	11.83	30	Pass
NVNT	ac20	5200	Ant3	12.07	30	Pass
NVNT	ac20	5200	Ant4	12.46	30	Pass
NVNT	ac20	5200	Sum	18.32	24.73	Pass
NVNT	ac20	5240	Ant1	12.91	30	Pass
NVNT	ac20	5240	Ant2	12.31	30	Pass
NVNT	ac20	5240	Ant3	12.51	30	Pass
NVNT	ac20	5240	Ant4	11.78	30	Pass
NVNT	ac20	5240	Sum	18.42	24.73	Pass
NVNT	ac40	5190	Ant1	13.26	30	Pass
NVNT	ac40	5190	Ant2	12.28	30	Pass
NVNT	ac40	5190	Ant3	12.45	30	Pass
NVNT	ac40	5190	Ant4	12.63	30	Pass
NVNT	ac40	5190	Sum	18.69	24.73	Pass
NVNT	ac40	5230	Ant1	12.89	30	Pass
NVNT	ac40	5230	Ant2	12.24	30	Pass
NVNT	ac40	5230	Ant3	12.4	30	Pass
NVNT	ac40	5230	Ant4	12.09	30	Pass
NVNT	ac40	5230	Sum	18.44	24.73	Pass
NVNT	ac80	5210	Ant1	13.11	30	Pass
NVNT	ac80	5210	Ant2	12.21	30	Pass
NVNT	ac80	5210	Ant3	12.25	30	Pass
NVNT	ac80	5210	Ant4	12.54	30	Pass
NVNT	ac80	5210	Sum	18.56	24.73	Pass
NVNT	ax20	5180	Ant1	13.26	30	Pass
NVNT	ax20	5180	Ant2	12.48	30	Pass
NVNT	ax20	5180	Ant3	12.47	30	Pass
NVNT	ax20	5180	Ant4	12.58	30	Pass
NVNT	ax20	5180	Sum	18.73	24.73	Pass
NVNT	ax20	5200	Ant1	13.29	30	Pass
NVNT	ax20	5200	Ant2	12.48	30	Pass
NVNT	ax20	5200	Ant3	12.35	30	Pass
NVNT	ax20	5200	Ant4	12.65	30	Pass

NVNT	ax20	5200	Sum	18.73	24.73	Pass
NVNT	ax20	5240	Ant1	13.06	30	Pass
NVNT	ax20	5240	Ant2	12.68	30	Pass
NVNT	ax20	5240	Ant3	12.86	30	Pass
NVNT	ax20	5240	Ant4	12	30	Pass
NVNT	ax20	5240	Sum	18.69	24.73	Pass
NVNT	ax40	5190	Ant1	12.87	30	Pass
NVNT	ax40	5190	Ant2	11.85	30	Pass
NVNT	ax40	5190	Ant3	12.06	30	Pass
NVNT	ax40	5190	Ant4	12.29	30	Pass
NVNT	ax40	5190	Sum	18.31	24.73	Pass
NVNT	ax40	5230	Ant1	12.97	30	Pass
NVNT	ax40	5230	Ant2	12.33	30	Pass
NVNT	ax40	5230	Ant3	12.59	30	Pass
NVNT	ax40	5230	Ant4	12.31	30	Pass
NVNT	ax40	5230	Sum	18.58	24.73	Pass
NVNT	ax80	5210	Ant1	12.83	30	Pass
NVNT	ax80	5210	Ant2	11.88	30	Pass
NVNT	ax80	5210	Ant3	12.07	30	Pass
NVNT	ax80	5210	Ant4	12.38	30	Pass
NVNT	ax80	5210	Sum	18.33	24.73	Pass
NVNT	n20	5180	Ant1	13.31	30	Pass
NVNT	n20	5180	Ant2	12.47	30	Pass
NVNT	n20	5180	Ant3	12.27	30	Pass
NVNT	n20	5180	Ant4	12.29	30	Pass
NVNT	n20	5180	Sum	18.63	24.73	Pass
NVNT	n20	5200	Ant1	12.76	30	Pass
NVNT	n20	5200	Ant2	12.15	30	Pass
NVNT	n20	5200	Ant3	12.15	30	Pass
NVNT	n20	5200	Ant4	12.38	30	Pass
NVNT	n20	5200	Sum	18.39	24.73	Pass
NVNT	n20	5240	Ant1	13.11	30	Pass
NVNT	n20	5240	Ant2	12.71	30	Pass
NVNT	n20	5240	Ant3	12.35	30	Pass
NVNT	n20	5240	Ant4	11.73	30	Pass
NVNT	n20	5240	Sum	18.52	24.73	Pass
NVNT	n40	5190	Ant1	13.24	30	Pass
NVNT	n40	5190	Ant2	12.28	30	Pass
NVNT	n40	5190	Ant3	12.37	30	Pass
NVNT	n40	5190	Ant4	12.64	30	Pass
NVNT	n40	5190	Sum	18.67	24.73	Pass
NVNT	n40	5230	Ant1	12.99	30	Pass
NVNT	n40	5230	Ant2	12.22	30	Pass
NVNT	n40	5230	Ant3	12.48	30	Pass

NVNT	n40	5230	Ant4	12.19	30	Pass
NVNT	n40	5230	Sum	18.5	24.73	Pass

Maximum Power Spectral Density Level

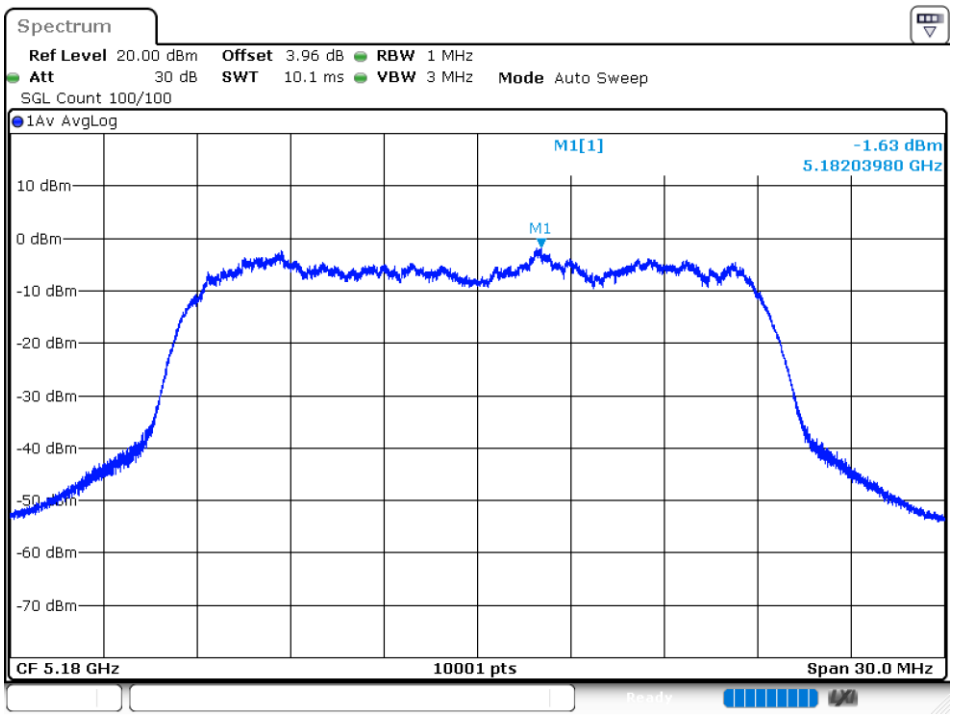
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-1.63	0.35	-1.28	17	Pass
NVNT	ac20	5180	Ant2	-3.91	0.35	-3.56	17	Pass
NVNT	ac20	5180	Ant3	-3.68	0.35	-3.33	17	Pass
NVNT	ac20	5180	Ant4	-4.31	0.35	-3.96	17	Pass
NVNT	ac20	5180	Sum	2.77	0.35	3.12	11.73	Pass
NVNT	ac20	5200	Ant1	-2.37	0.32	-2.05	17	Pass
NVNT	ac20	5200	Ant2	-3.38	0.32	-3.06	17	Pass
NVNT	ac20	5200	Ant3	-3.24	0.32	-2.92	17	Pass
NVNT	ac20	5200	Ant4	-2.89	0.32	-2.57	17	Pass
NVNT	ac20	5200	Sum	3.07	0.32	3.39	11.73	Pass
NVNT	ac20	5240	Ant1	-2.95	0.32	-2.63	17	Pass
NVNT	ac20	5240	Ant2	-3.43	0.32	-3.11	17	Pass
NVNT	ac20	5240	Ant3	-3.1	0.32	-2.78	17	Pass
NVNT	ac20	5240	Ant4	-4.75	0.32	-4.43	17	Pass
NVNT	ac20	5240	Sum	2.52	0.32	2.84	11.73	Pass
NVNT	ac40	5190	Ant1	-6.1	0.35	-5.75	17	Pass
NVNT	ac40	5190	Ant2	-6.76	0.35	-6.41	17	Pass
NVNT	ac40	5190	Ant3	-6.69	0.35	-6.34	17	Pass
NVNT	ac40	5190	Ant4	-6.08	0.35	-5.73	17	Pass
NVNT	ac40	5190	Sum	-0.38	0.35	-0.03	11.73	Pass
NVNT	ac40	5230	Ant1	-4.51	0.26	-4.25	17	Pass
NVNT	ac40	5230	Ant2	-5.93	0.26	-5.67	17	Pass
NVNT	ac40	5230	Ant3	-5.25	0.26	-4.99	17	Pass
NVNT	ac40	5230	Ant4	-7.15	0.26	-6.89	17	Pass
NVNT	ac40	5230	Sum	0.42	0.26	0.68	11.73	Pass
NVNT	ac80	5210	Ant1	-7.78	0.29	-7.49	17	Pass
NVNT	ac80	5210	Ant2	-7.76	0.29	-7.47	17	Pass
NVNT	ac80	5210	Ant3	-8.58	0.29	-8.29	17	Pass
NVNT	ac80	5210	Ant4	-8.88	0.29	-8.59	17	Pass
NVNT	ac80	5210	Sum	-2.2	0.29	-1.91	11.73	Pass
NVNT	ax20	5180	Ant1	-1.92	0.17	-1.75	17	Pass
NVNT	ax20	5180	Ant2	-2.76	0.17	-2.59	17	Pass
NVNT	ax20	5180	Ant3	-1.7	0.17	-1.53	17	Pass
NVNT	ax20	5180	Ant4	-2.7	0.17	-2.53	17	Pass
NVNT	ax20	5180	Sum	3.78	0.17	3.95	11.73	Pass
NVNT	ax20	5200	Ant1	-1.76	0.27	-1.49	17	Pass
NVNT	ax20	5200	Ant2	-2.61	0.27	-2.34	17	Pass
NVNT	ax20	5200	Ant3	-3.24	0.27	-2.97	17	Pass

NVNT	ax20	5200	Ant4	-3.1	0.27	-2.83	17	Pass
NVNT	ax20	5200	Sum	3.38	0.27	3.65	11.73	Pass
NVNT	ax20	5240	Ant1	-1.61	0.26	-1.35	17	Pass
NVNT	ax20	5240	Ant2	-2.47	0.26	-2.21	17	Pass
NVNT	ax20	5240	Ant3	-2.6	0.26	-2.34	17	Pass
NVNT	ax20	5240	Ant4	-2.78	0.26	-2.52	17	Pass
NVNT	ax20	5240	Sum	3.68	0.26	3.94	11.73	Pass
NVNT	ax40	5190	Ant1	-5.39	0.23	-5.16	17	Pass
NVNT	ax40	5190	Ant2	-6.37	0.23	-6.14	17	Pass
NVNT	ax40	5190	Ant3	-6.3	0.23	-6.07	17	Pass
NVNT	ax40	5190	Ant4	-6.5	0.23	-6.27	17	Pass
NVNT	ax40	5190	Sum	-0.1	0.23	0.13	11.73	Pass
NVNT	ax40	5230	Ant1	-4.79	0.26	-4.53	17	Pass
NVNT	ax40	5230	Ant2	-6.02	0.26	-5.76	17	Pass
NVNT	ax40	5230	Ant3	-5.64	0.26	-5.38	17	Pass
NVNT	ax40	5230	Ant4	-6.06	0.26	-5.8	17	Pass
NVNT	ax40	5230	Sum	0.42	0.26	0.68	11.73	Pass
NVNT	ax80	5210	Ant1	-7.71	0.23	-7.48	17	Pass
NVNT	ax80	5210	Ant2	-8.67	0.23	-8.44	17	Pass
NVNT	ax80	5210	Ant3	-8.81	0.23	-8.58	17	Pass
NVNT	ax80	5210	Ant4	-8.93	0.23	-8.7	17	Pass
NVNT	ax80	5210	Sum	-2.48	0.23	-2.25	11.73	Pass
NVNT	n20	5180	Ant1	-4.89	0	-4.89	17	Pass
NVNT	n20	5180	Ant2	-5.12	0	-5.12	17	Pass
NVNT	n20	5180	Ant3	-5.63	0	-5.63	17	Pass
NVNT	n20	5180	Ant4	-5.38	0	-5.38	17	Pass
NVNT	n20	5180	Sum	0.77	0	0.77	11.73	Pass
NVNT	n20	5200	Ant1	-2.86	0.23	-2.63	17	Pass
NVNT	n20	5200	Ant2	-3.23	0.23	-3	17	Pass
NVNT	n20	5200	Ant3	-3.41	0.23	-3.18	17	Pass
NVNT	n20	5200	Ant4	-2.97	0.23	-2.74	17	Pass
NVNT	n20	5200	Sum	2.91	0.23	3.14	11.73	Pass
NVNT	n20	5240	Ant1	-2.37	0.26	-2.11	17	Pass
NVNT	n20	5240	Ant2	-2.17	0.26	-1.91	17	Pass
NVNT	n20	5240	Ant3	-3.3	0.26	-3.04	17	Pass
NVNT	n20	5240	Ant4	-2.96	0.26	-2.7	17	Pass
NVNT	n20	5240	Sum	3.34	0.26	3.6	11.73	Pass
NVNT	n40	5190	Ant1	-6.29	0.31	-5.98	17	Pass
NVNT	n40	5190	Ant2	-5.89	0.31	-5.58	17	Pass
NVNT	n40	5190	Ant3	-6.63	0.31	-6.32	17	Pass
NVNT	n40	5190	Ant4	-5.62	0.31	-5.31	17	Pass
NVNT	n40	5190	Sum	-0.07	0.31	0.24	11.73	Pass
NVNT	n40	5230	Ant1	-6.39	0.32	-6.07	17	Pass
NVNT	n40	5230	Ant2	-7.58	0.32	-7.26	17	Pass

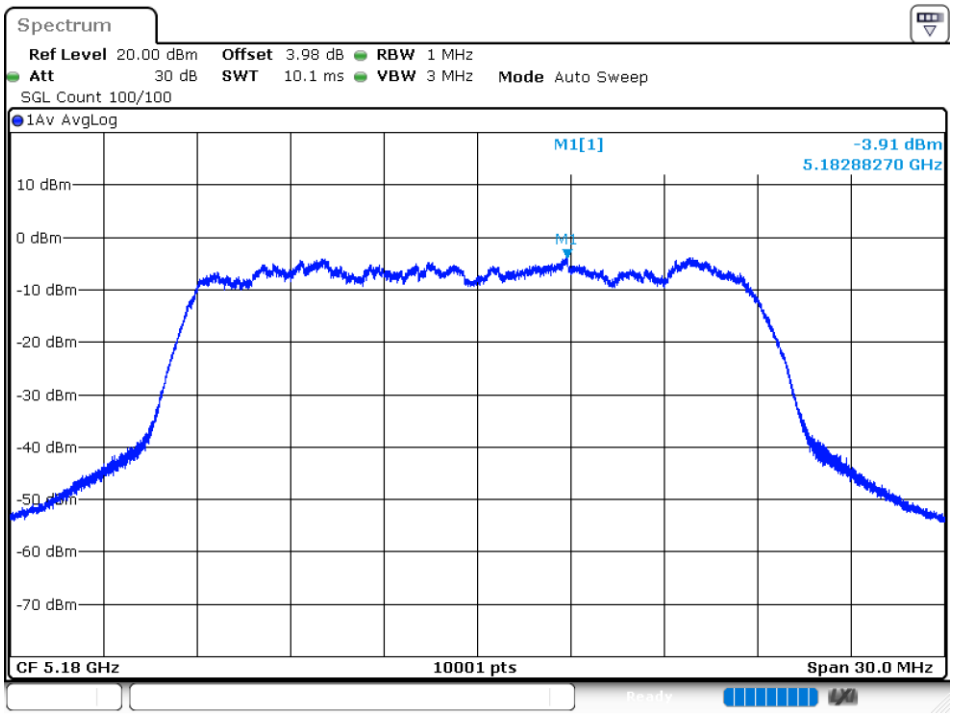
NVNT	n40	5230	Ant3	-7.01	0.32	-6.69	17	Pass
NVNT	n40	5230	Ant4	-7.82	0.32	-7.5	17	Pass
NVNT	n40	5230	Sum	-1.14	0.32	-0.82	11.73	Pass

Test Graphs

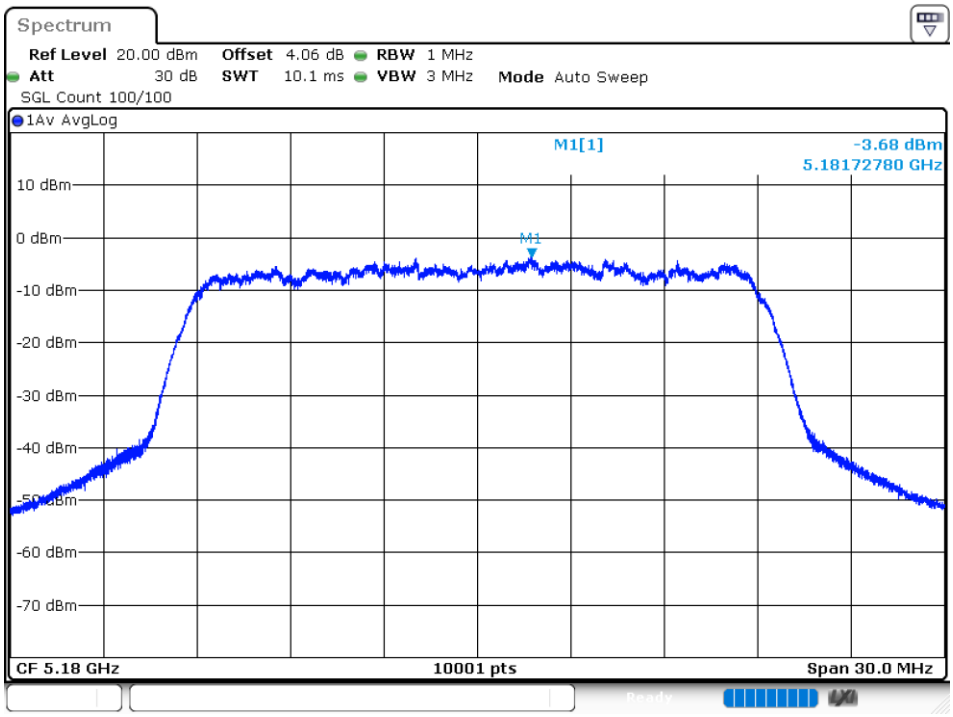
PSD NVNT ac20 5180MHz Ant1



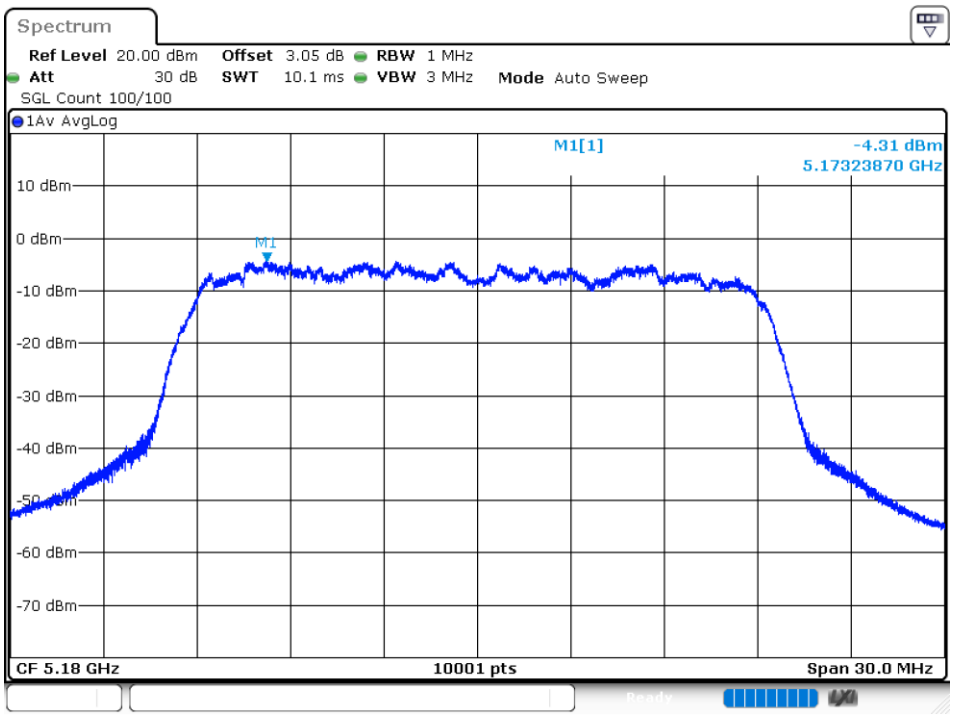
PSD NVNT ac20 5180MHz Ant2



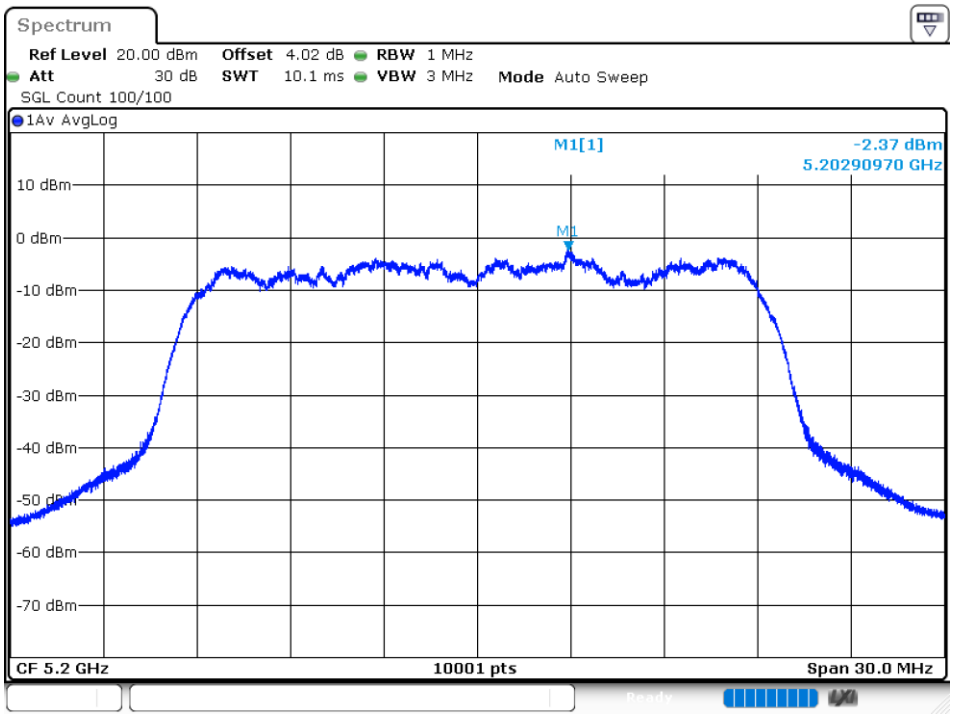
PSD NVNT ac20 5180MHz Ant3



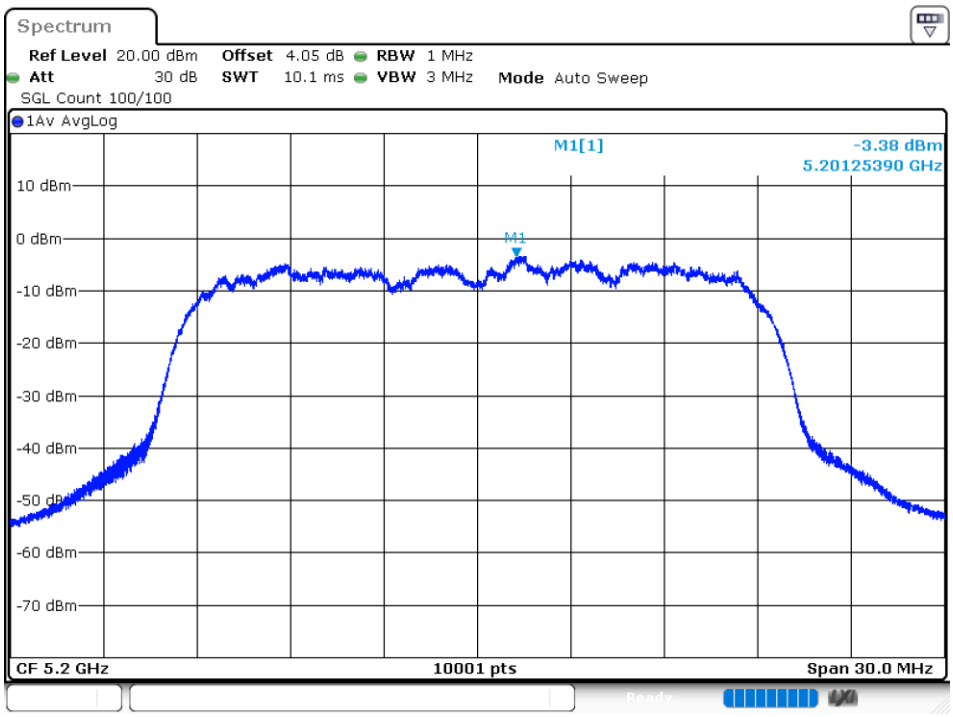
PSD NVNT ac20 5180MHz Ant4



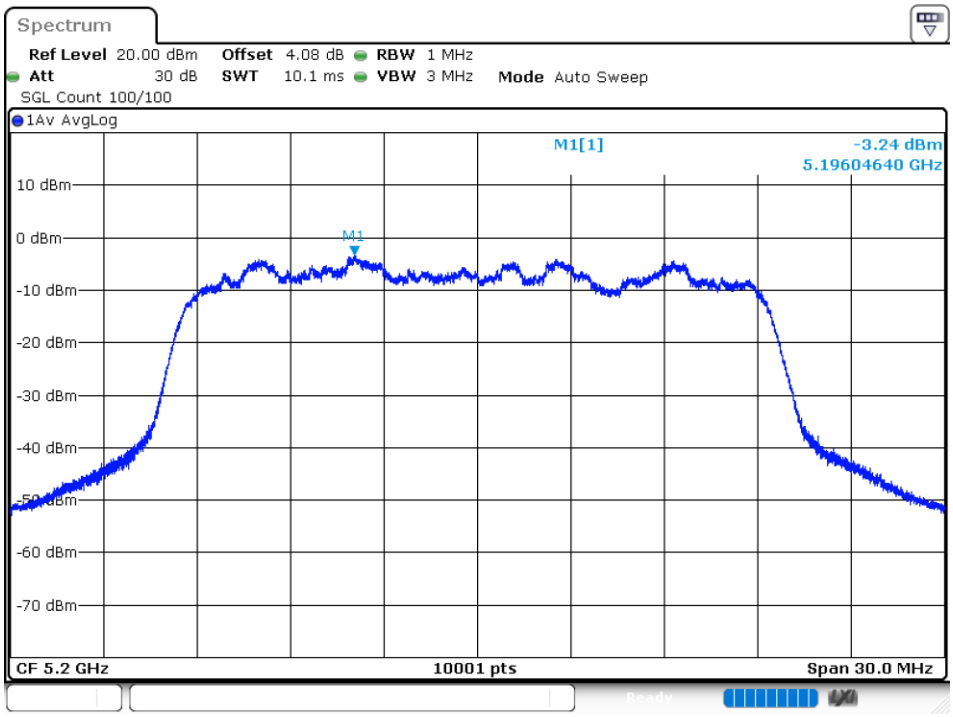
PSD NVNT ac20 5200MHz Ant1



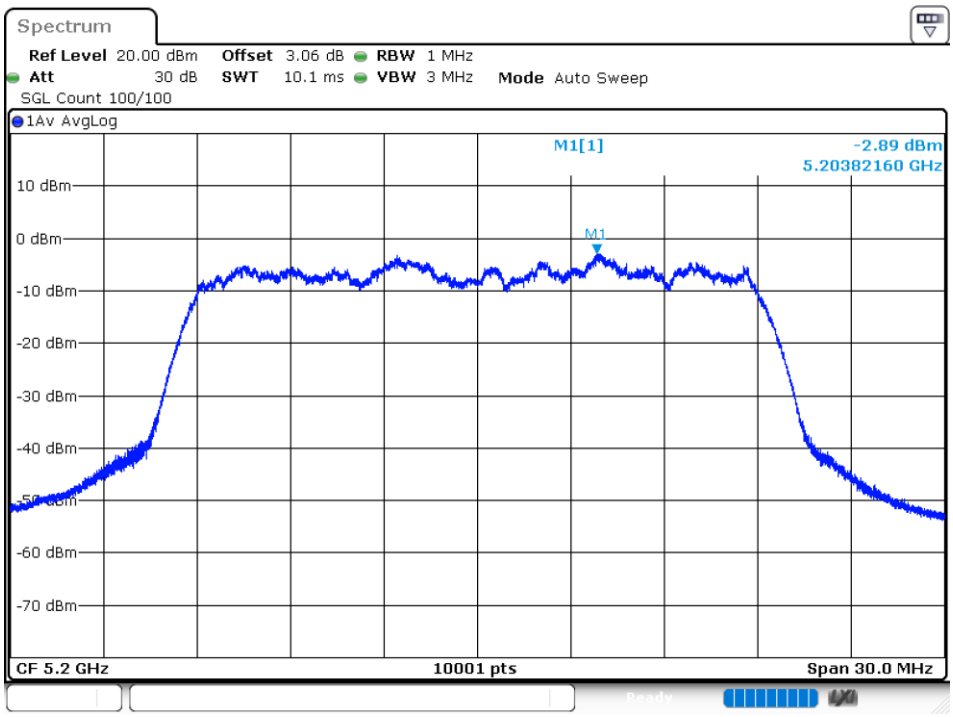
PSD NVNT ac20 5200MHz Ant2



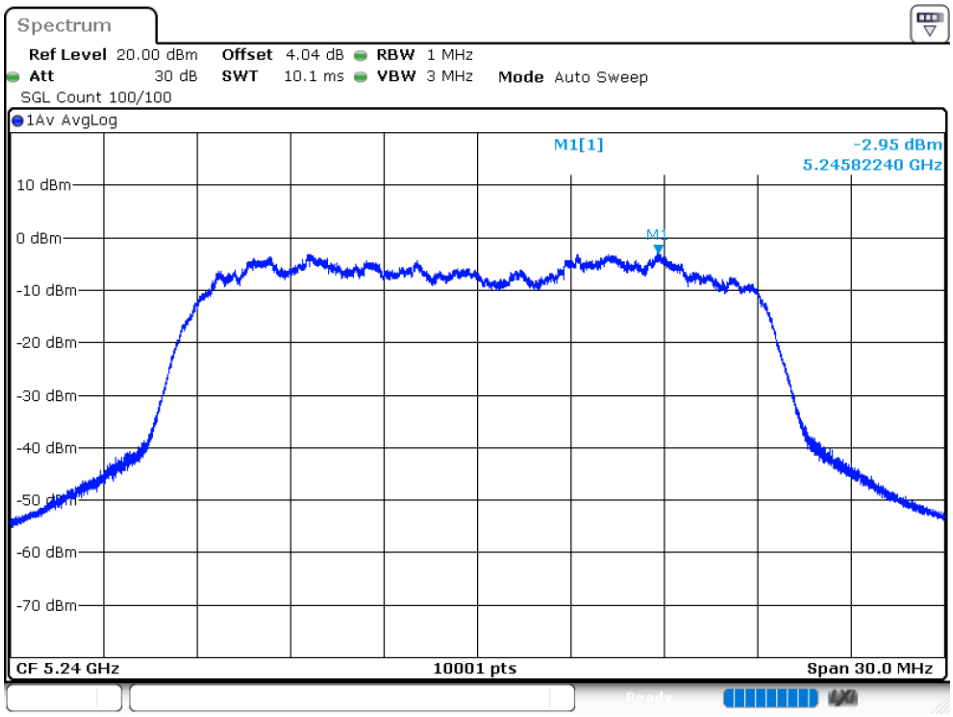
PSD NVNT ac20 5200MHz Ant3



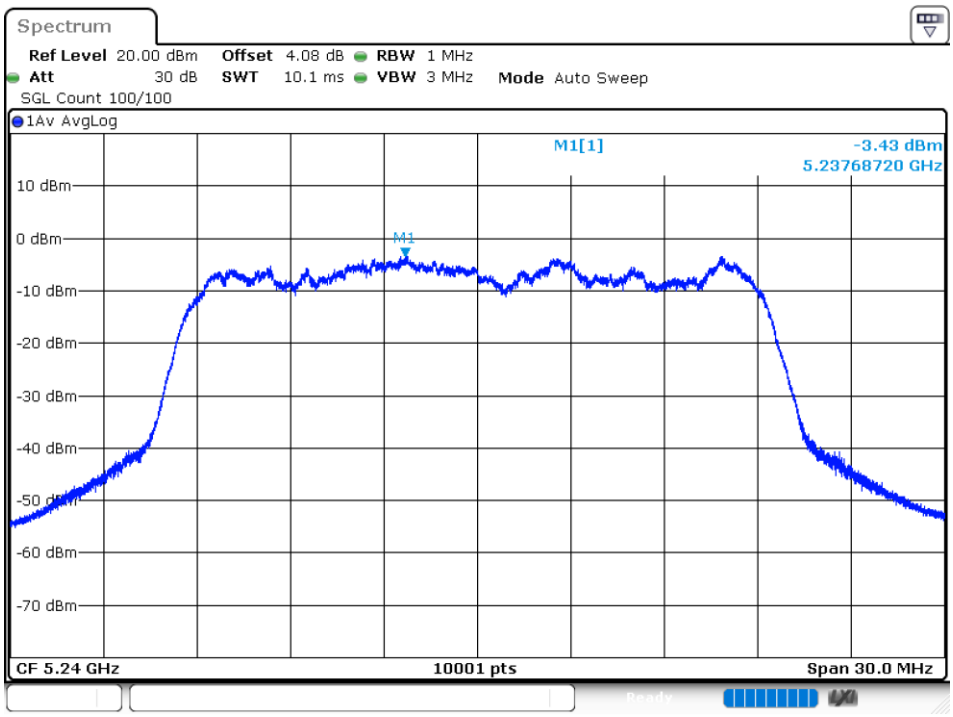
PSD NVNT ac20 5200MHz Ant4



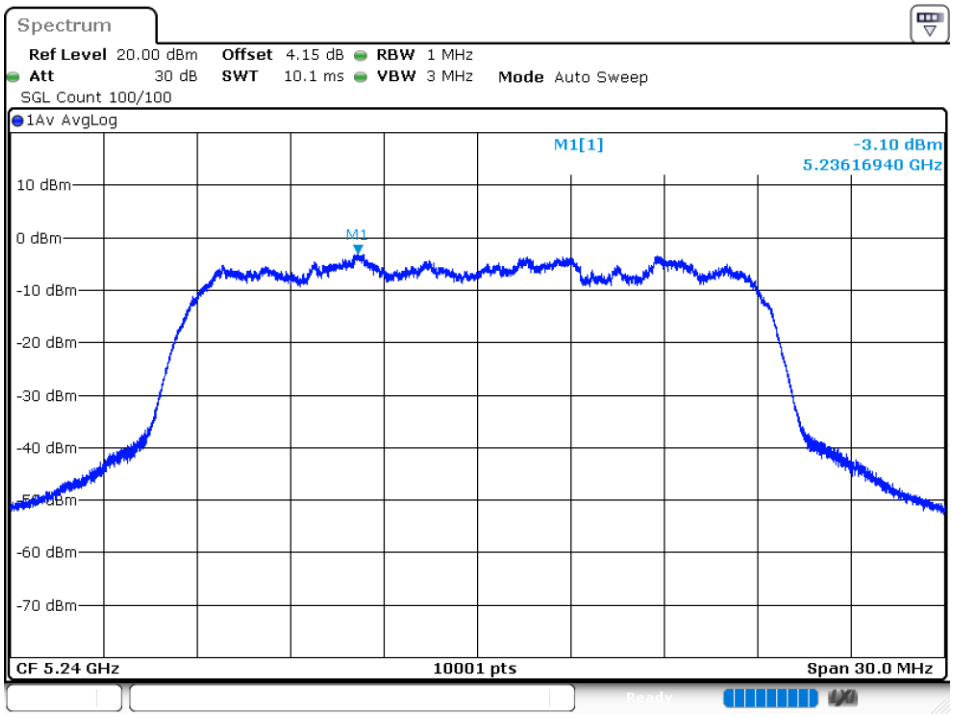
PSD NVNT ac20 5240MHz Ant1



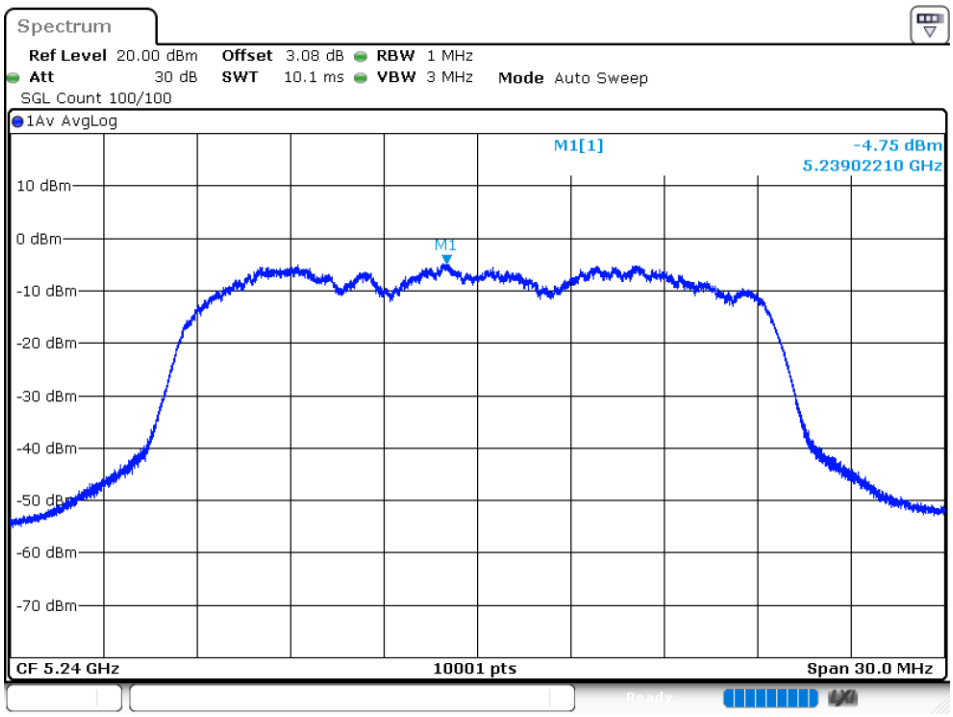
PSD NVNT ac20 5240MHz Ant2



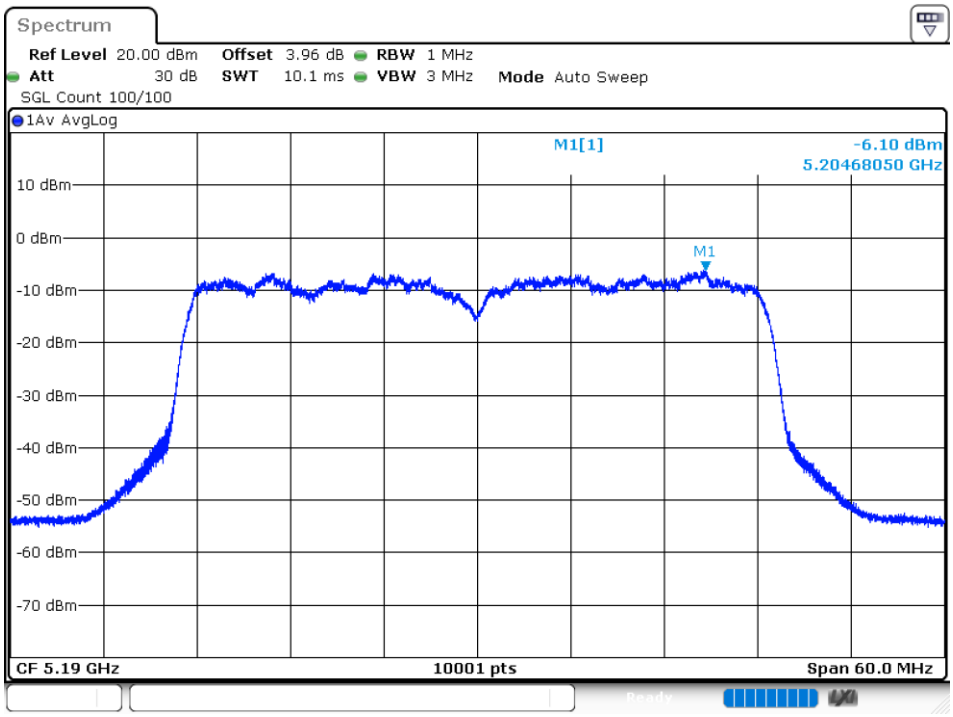
PSD NVNT ac20 5240MHz Ant3



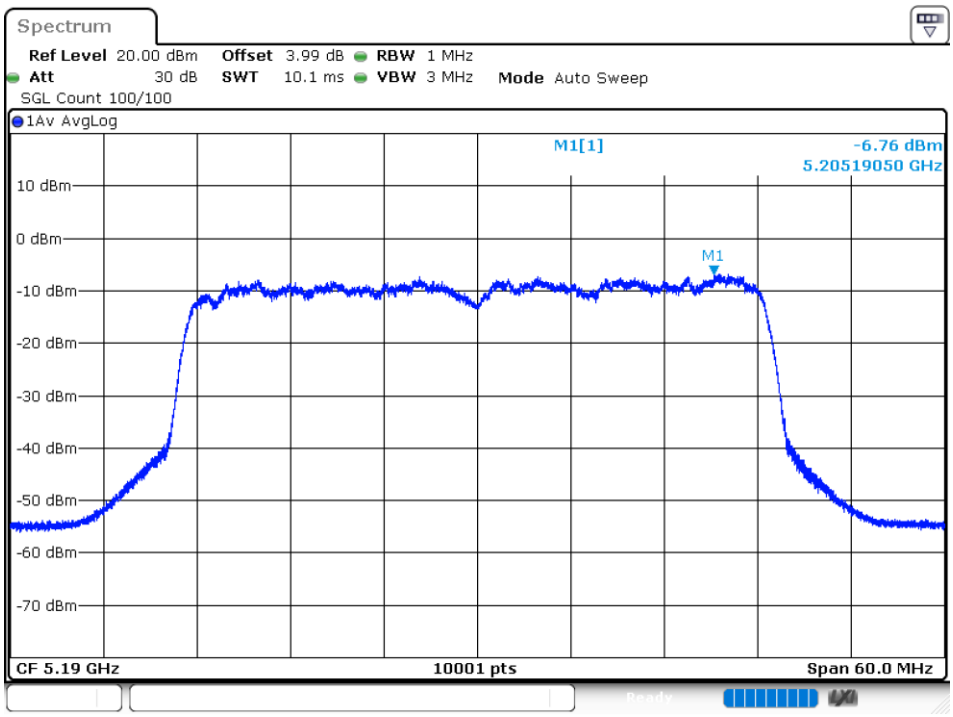
PSD NVNT ac20 5240MHz Ant4



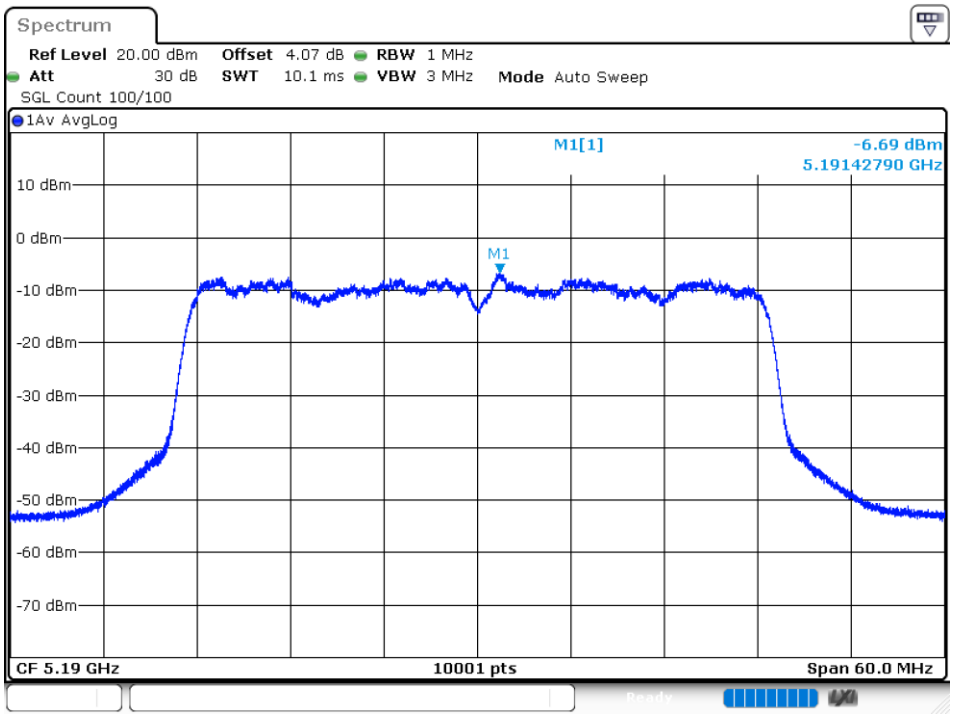
PSD NVNT ac40 5190MHz Ant1



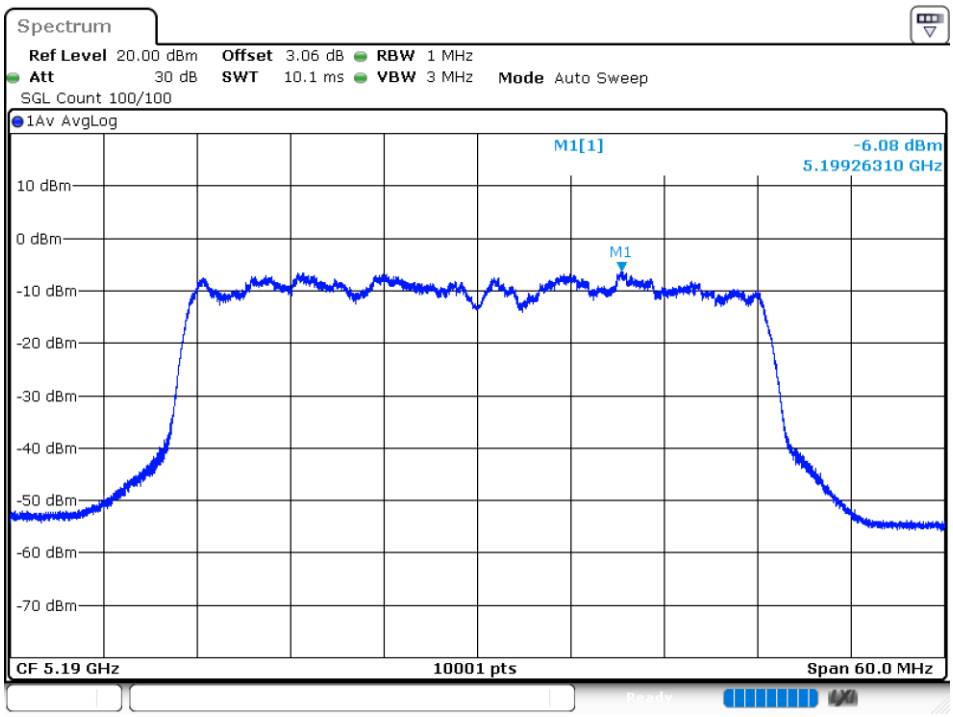
PSD NVNT ac40 5190MHz Ant2



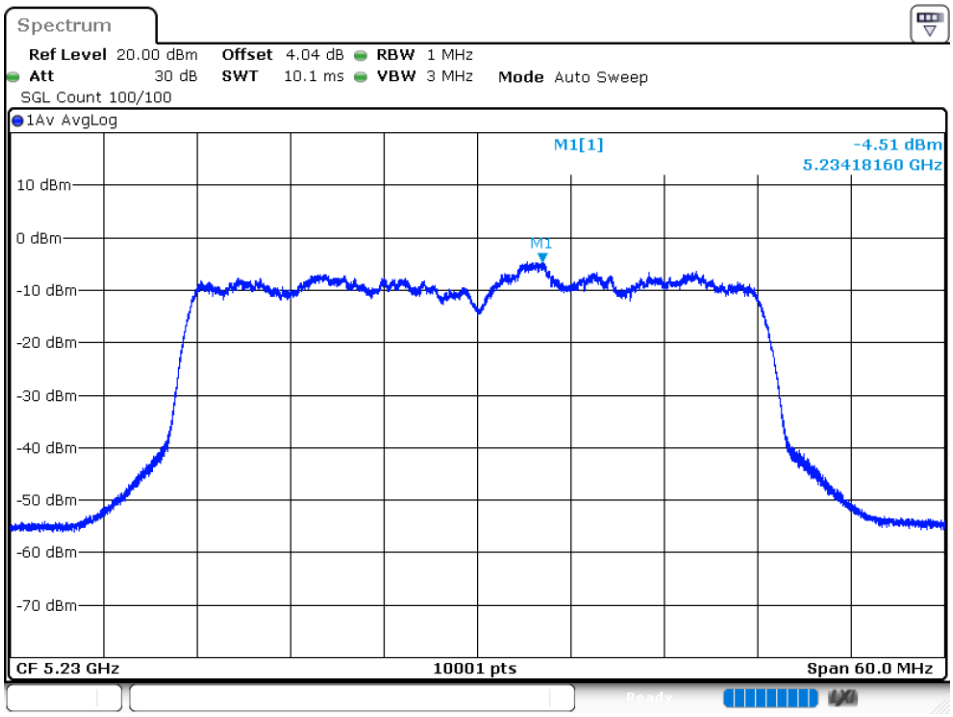
PSD NVNT ac40 5190MHz Ant3



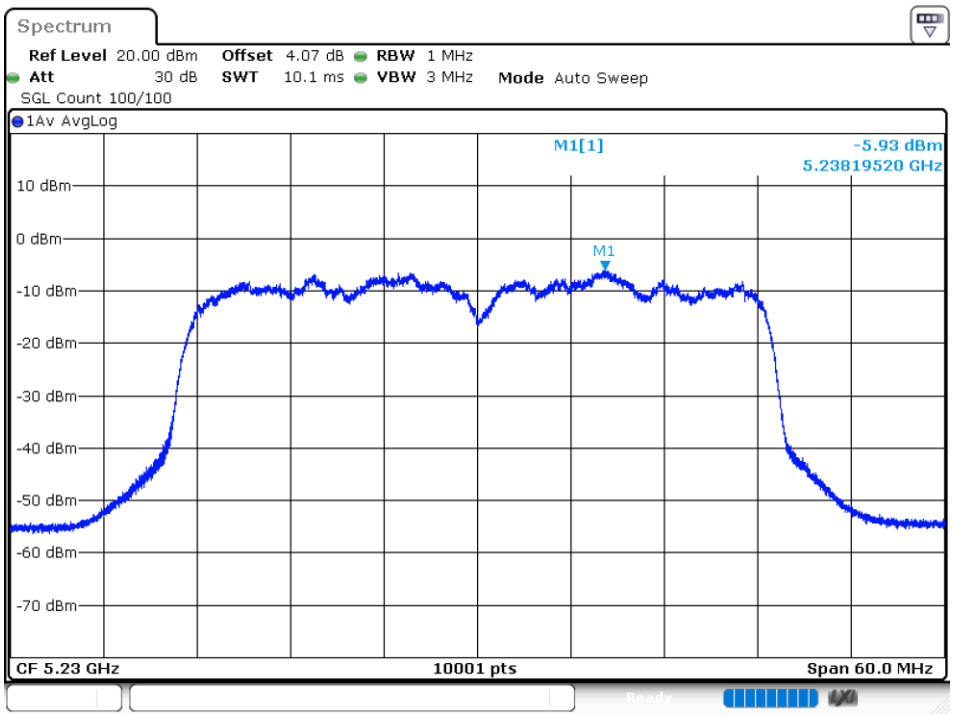
PSD NVNT ac40 5190MHz Ant4



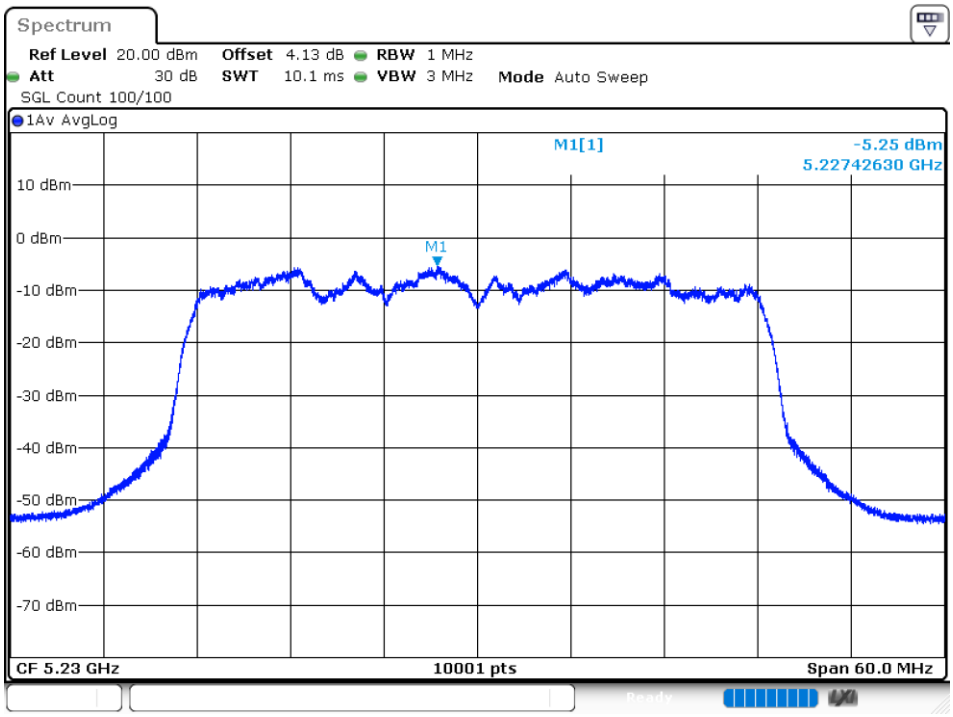
PSD NVNT ac40 5230MHz Ant1



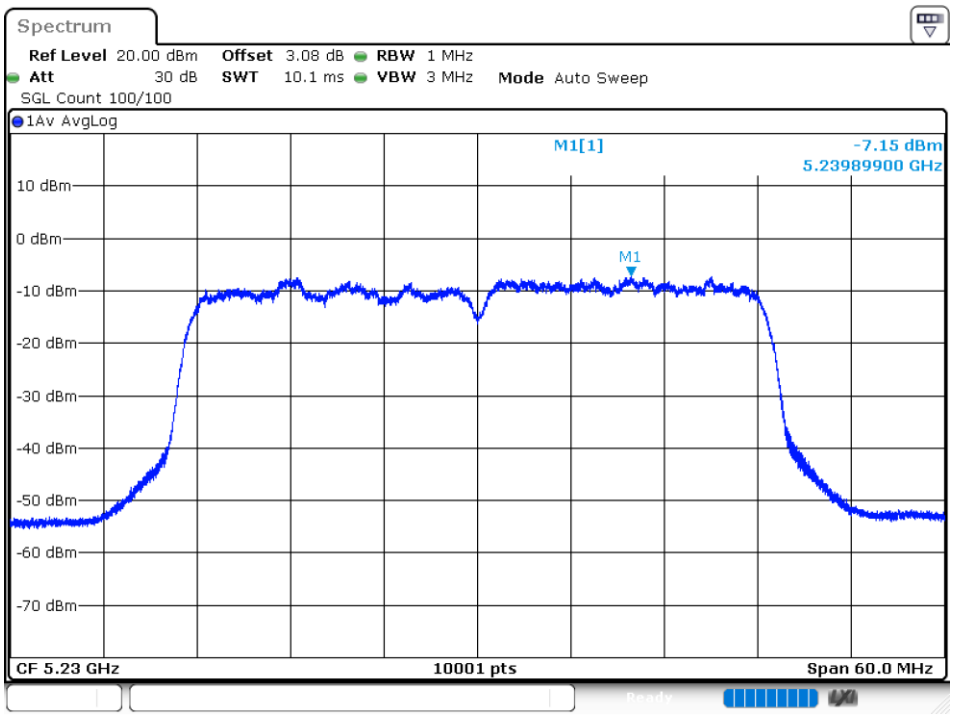
PSD NVNT ac40 5230MHz Ant2



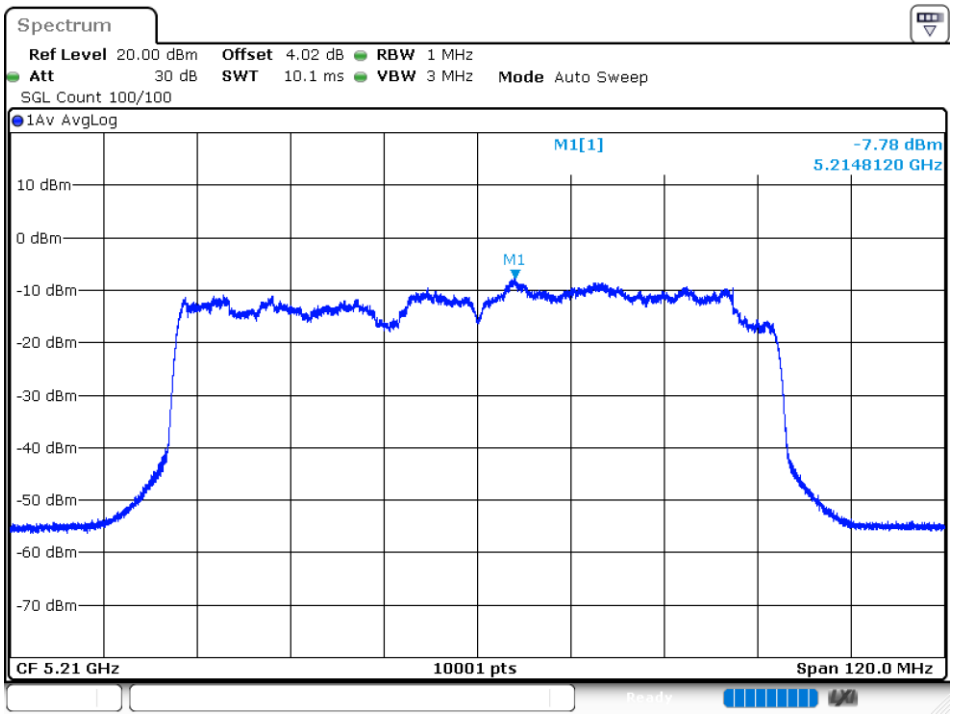
PSD NVNT ac40 5230MHz Ant3



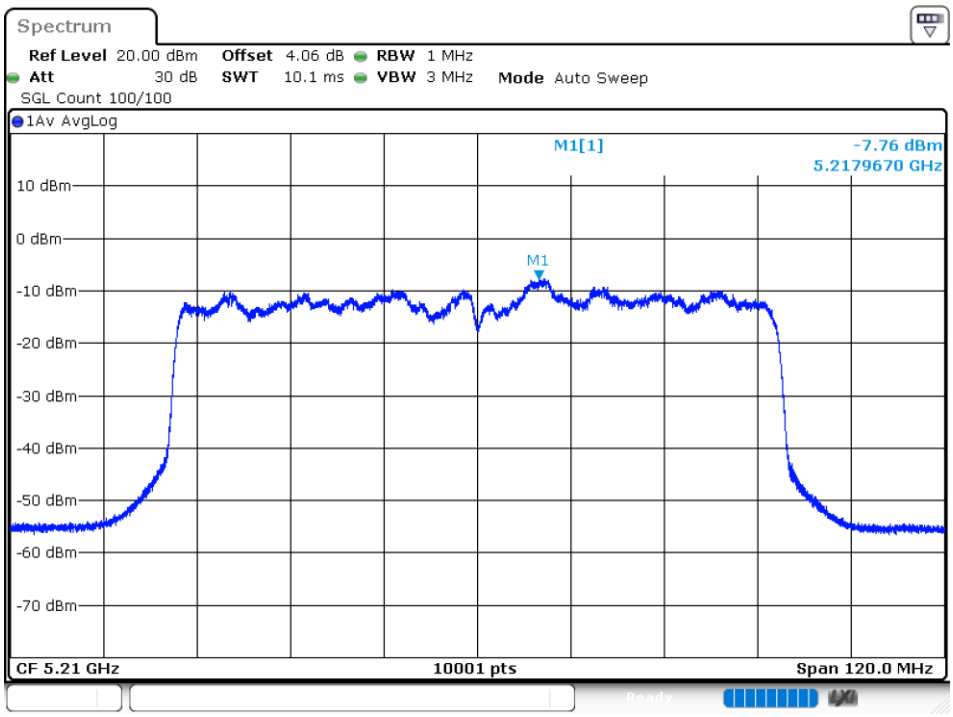
PSD NVNT ac40 5230MHz Ant4



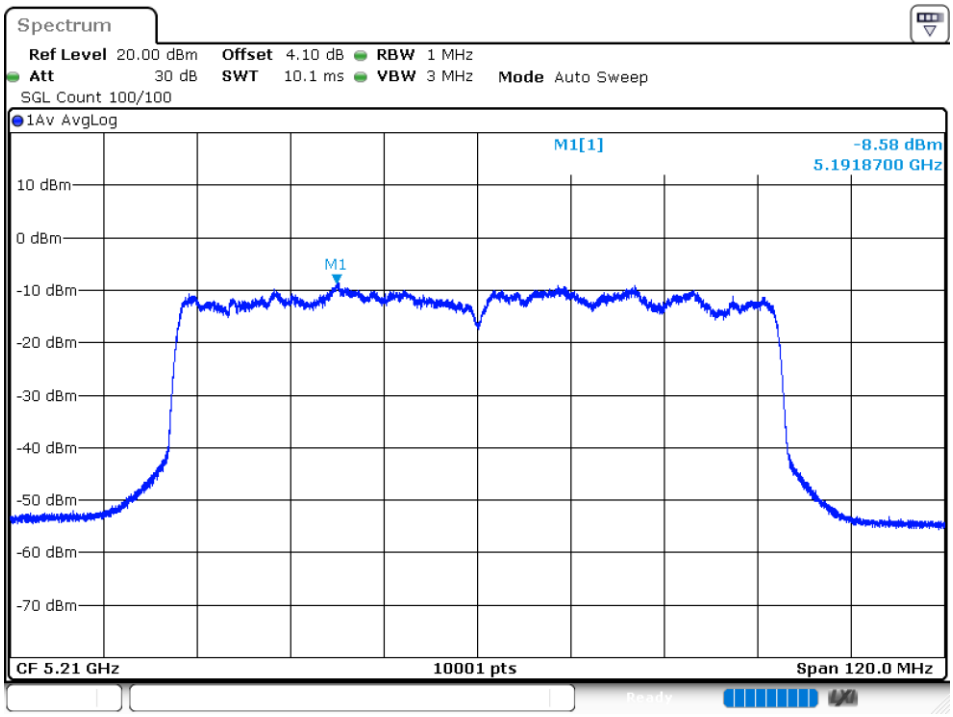
PSD NVNT ac80 5210MHz Ant1



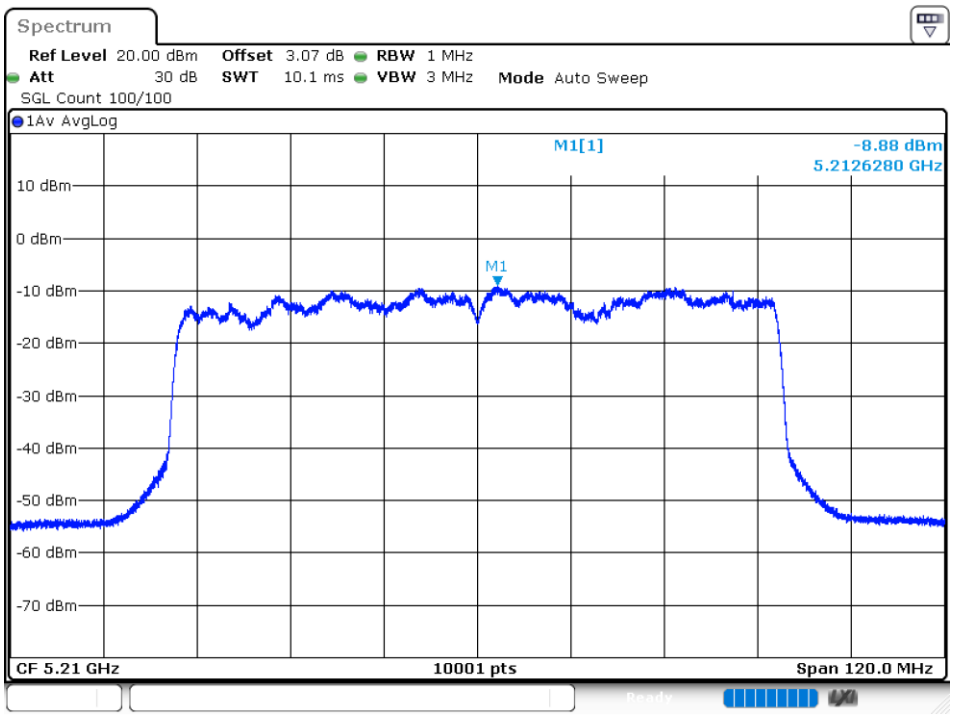
PSD NVNT ac80 5210MHz Ant2



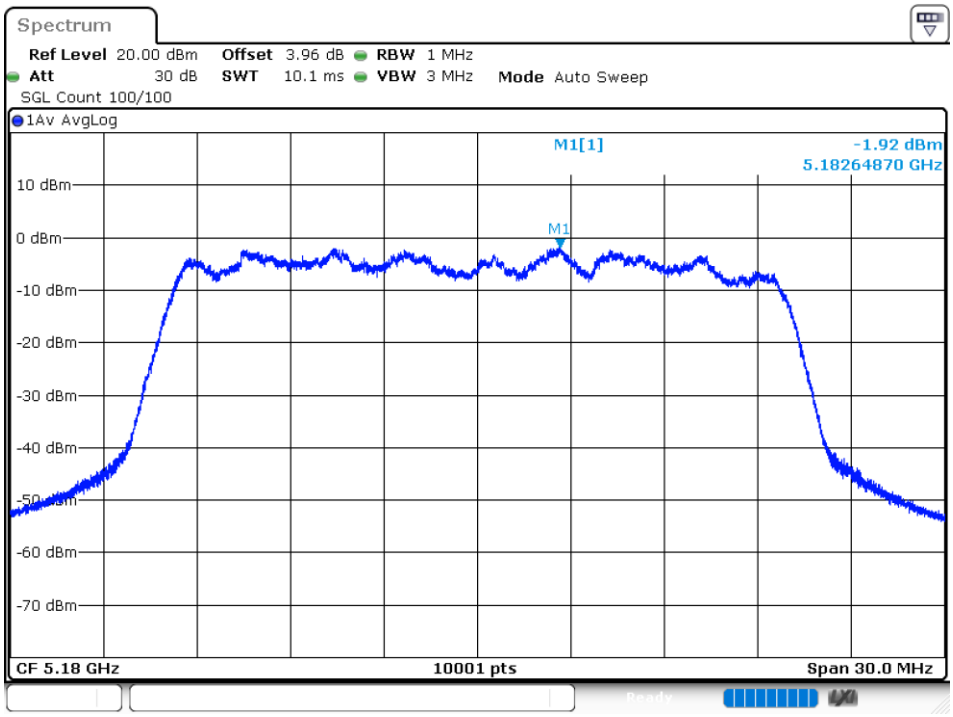
PSD NVNT ac80 5210MHz Ant3



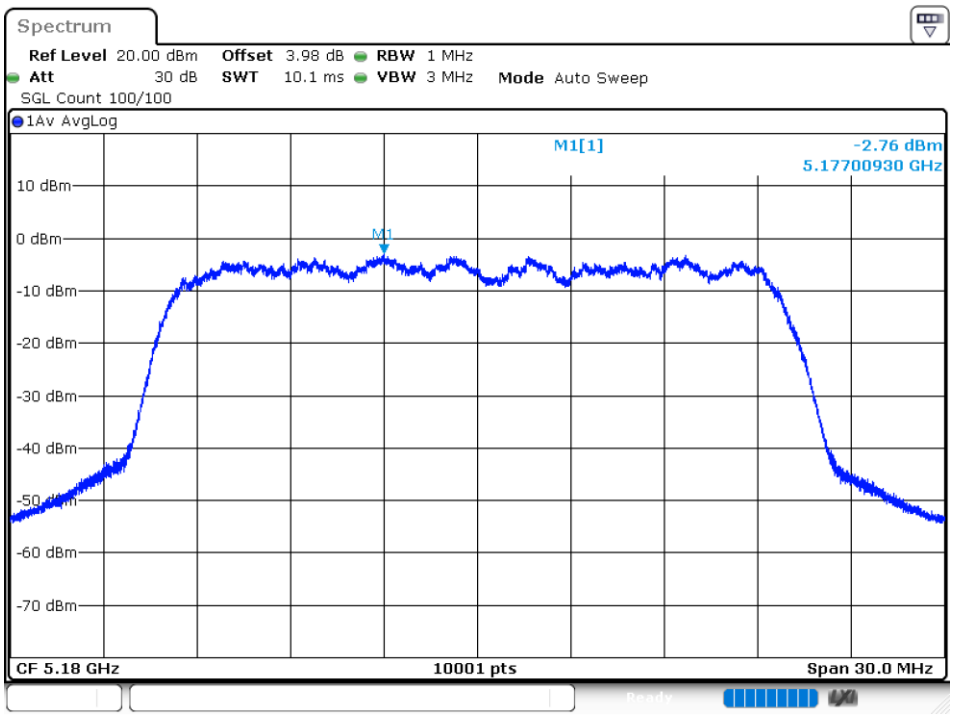
PSD NVNT ac80 5210MHz Ant4



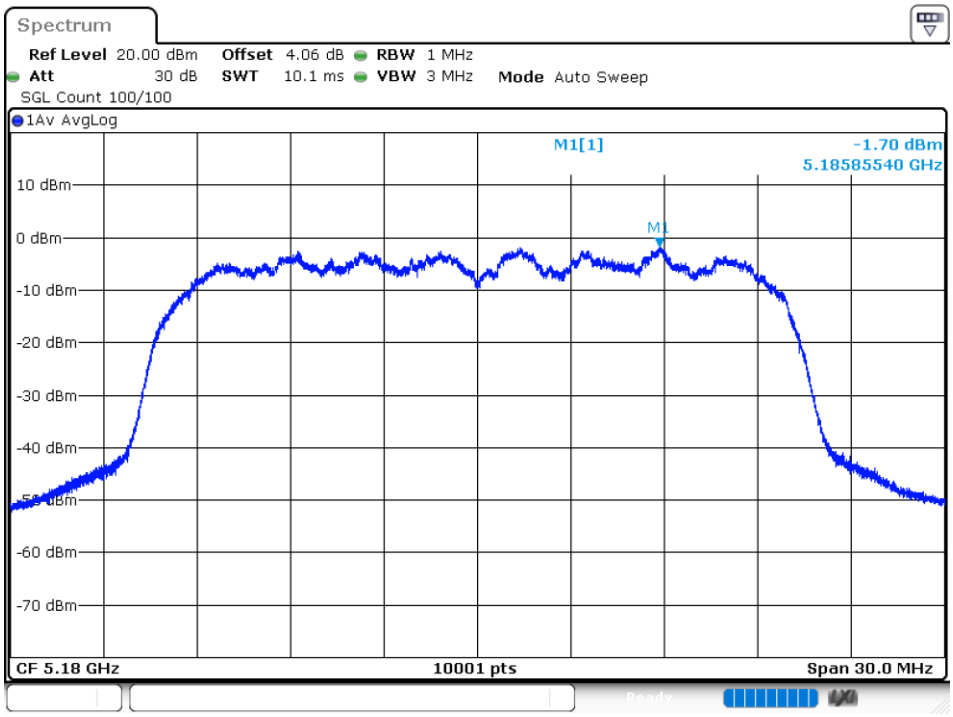
PSD NVNT ax20 5180MHz Ant1



PSD NVNT ax20 5180MHz Ant2



PSD NVNT ax20 5180MHz Ant3



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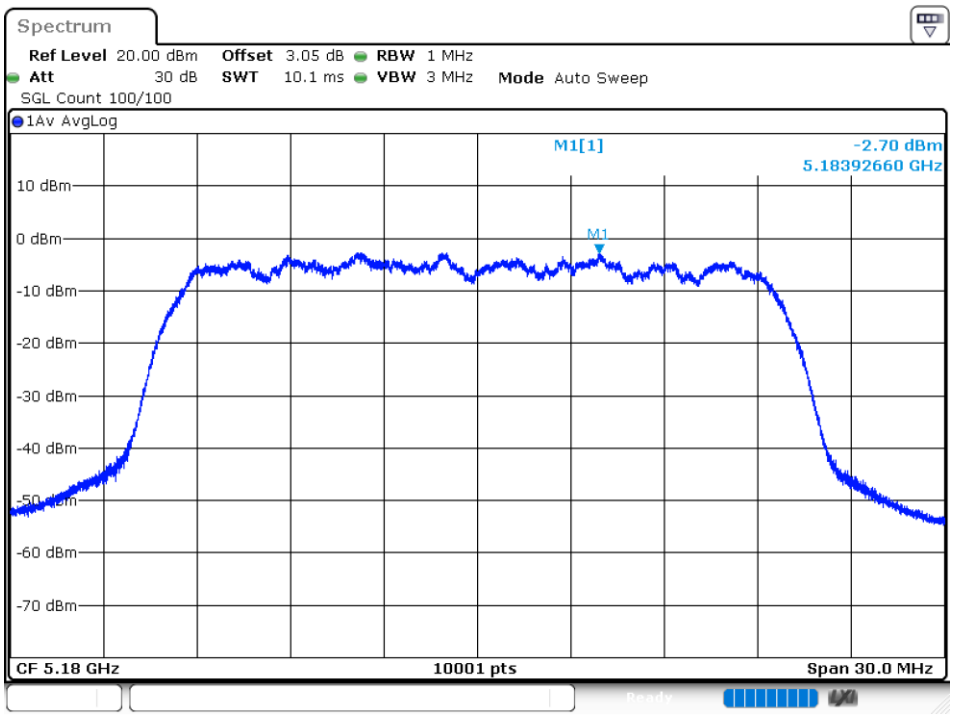
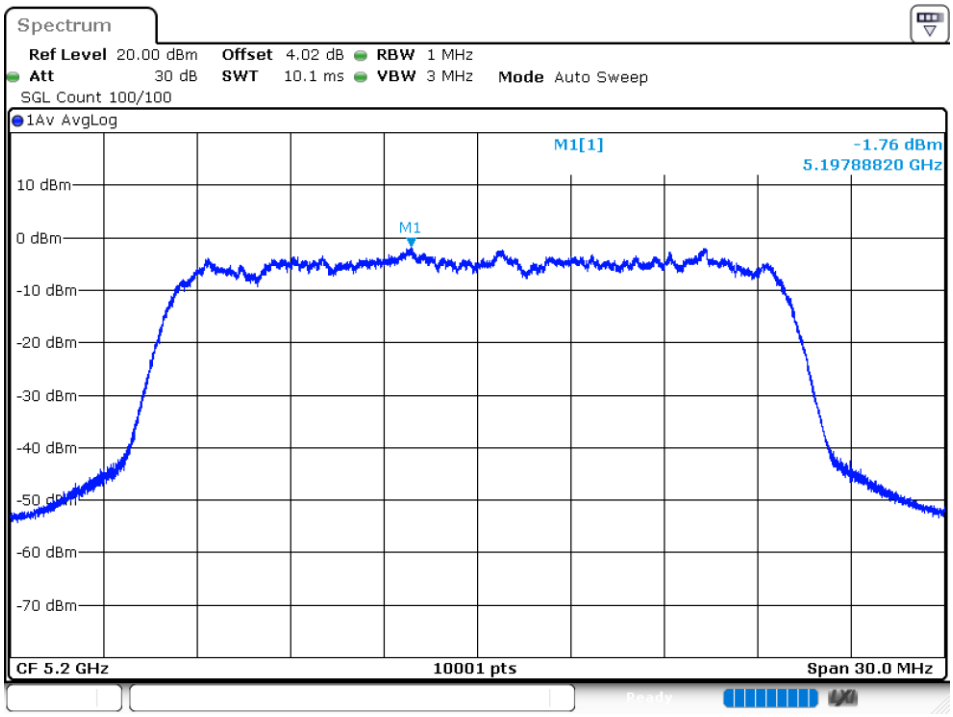
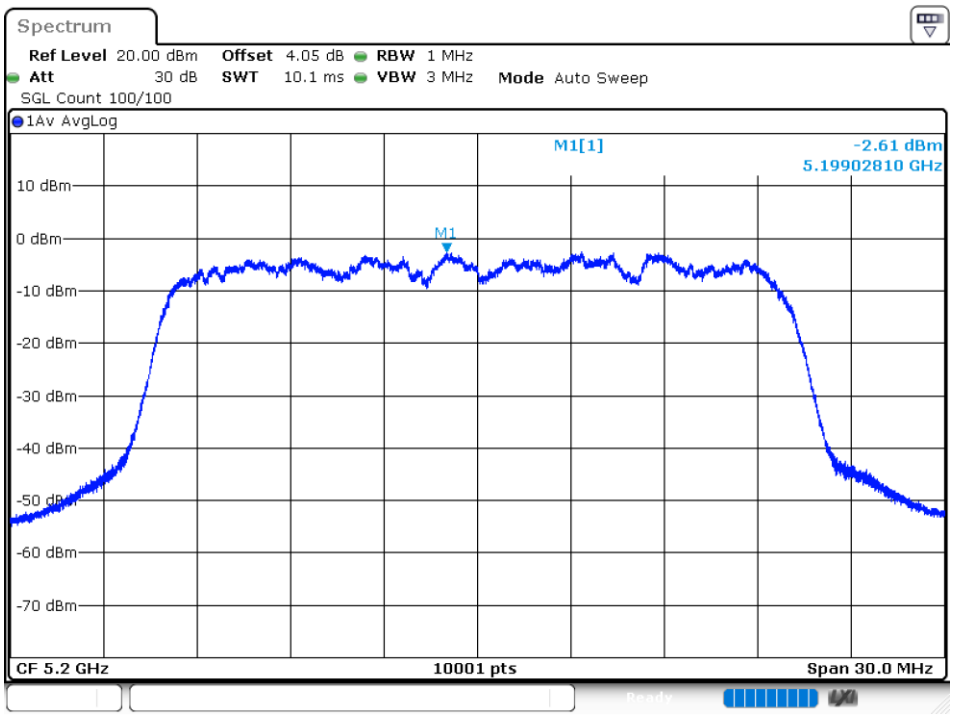


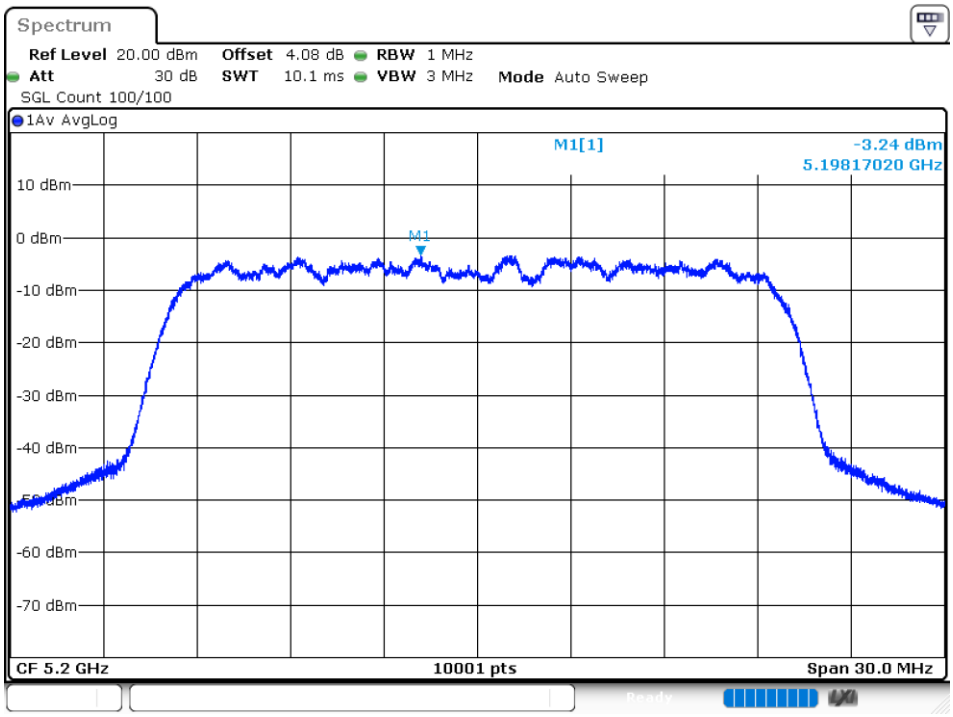
PSD NVNT ax20 5200MHz Ant1



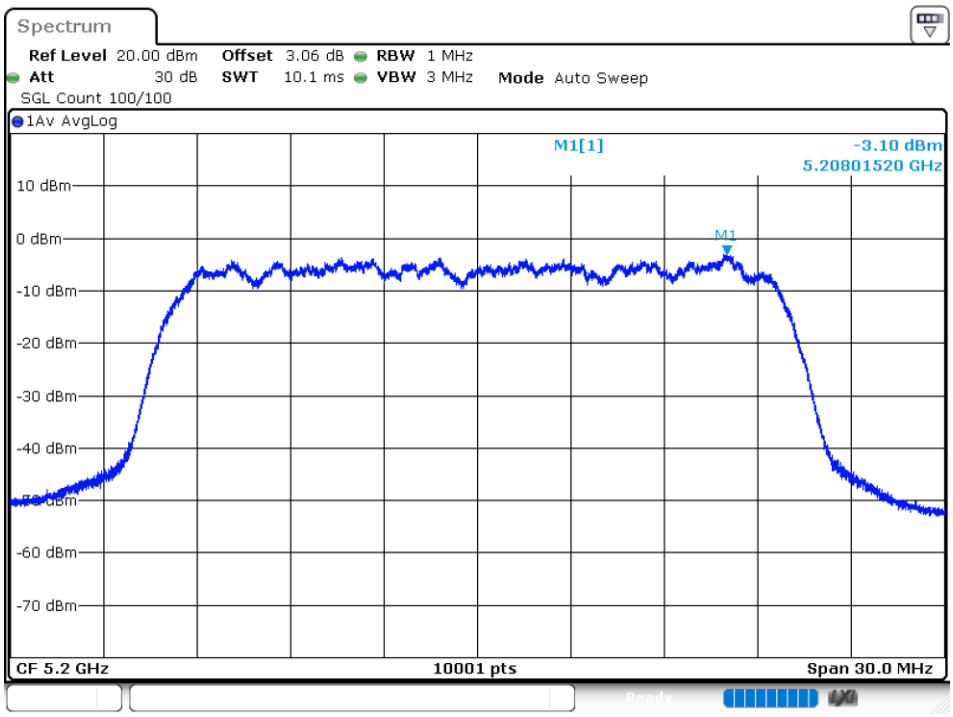
PSD NVNT ax20 5200MHz Ant2



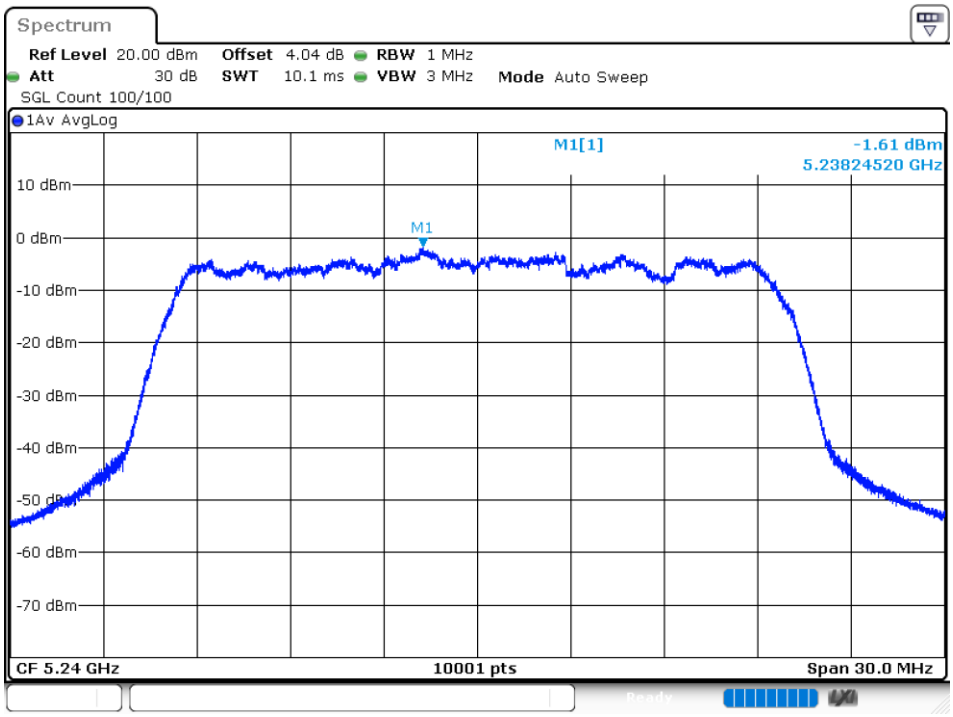
PSD NVNT ax20 5200MHz Ant3



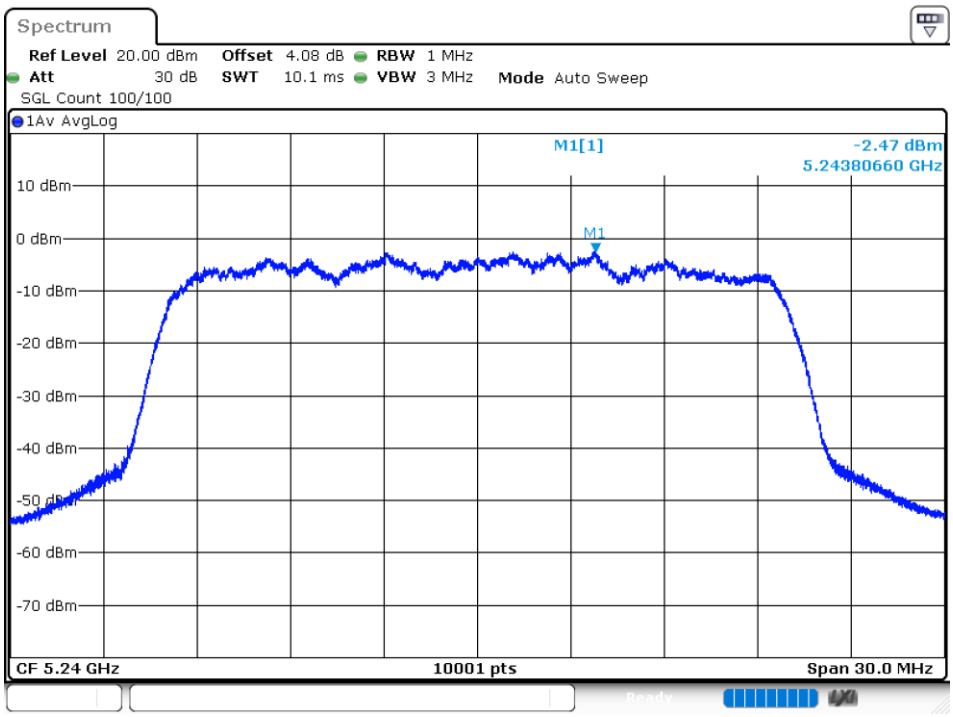
PSD NVNT ax20 5200MHz Ant4



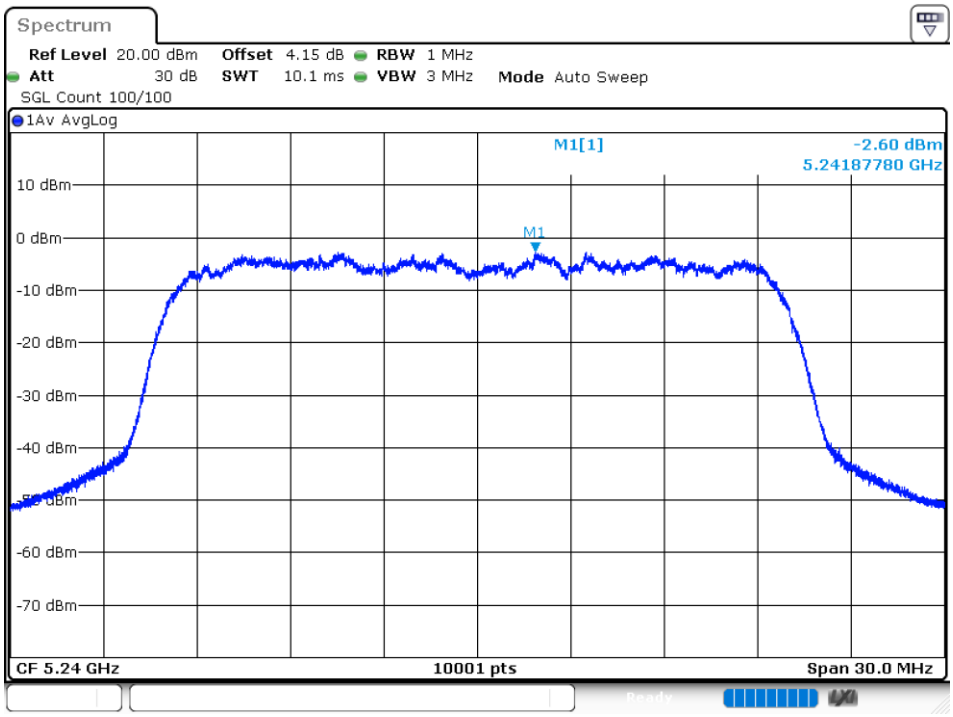
PSD NVNT ax20 5240MHz Ant1



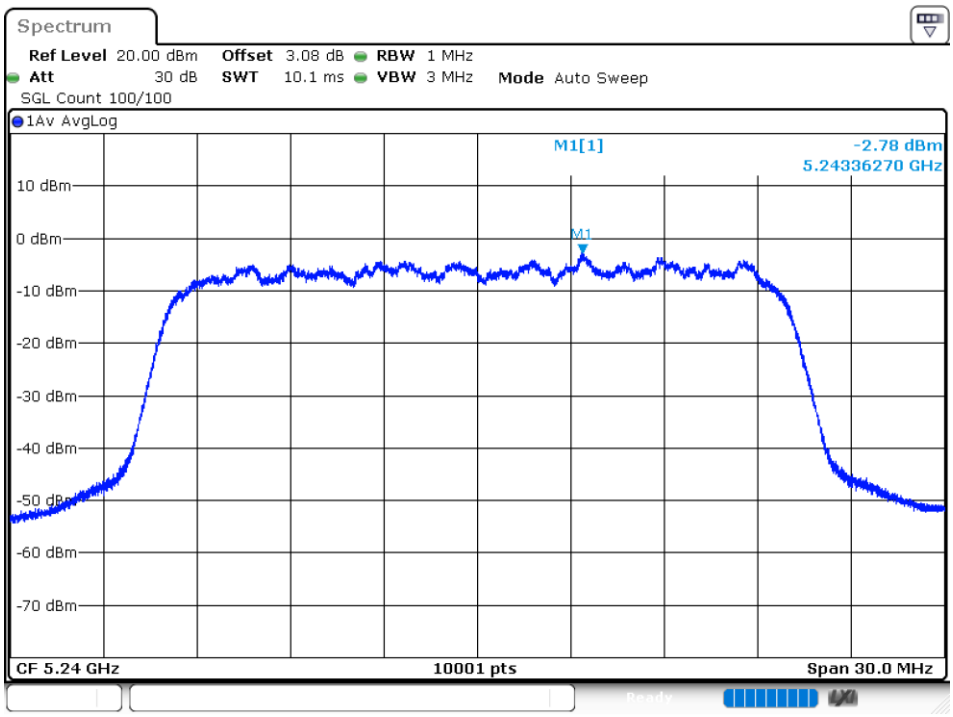
PSD NVNT ax20 5240MHz Ant2



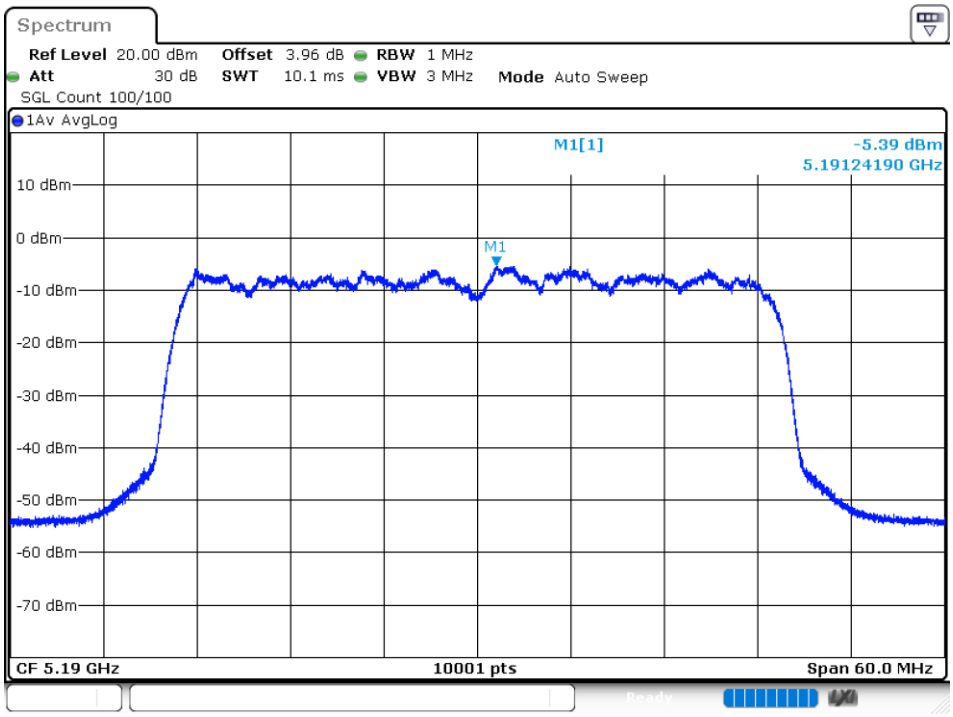
PSD NVNT ax20 5240MHz Ant3



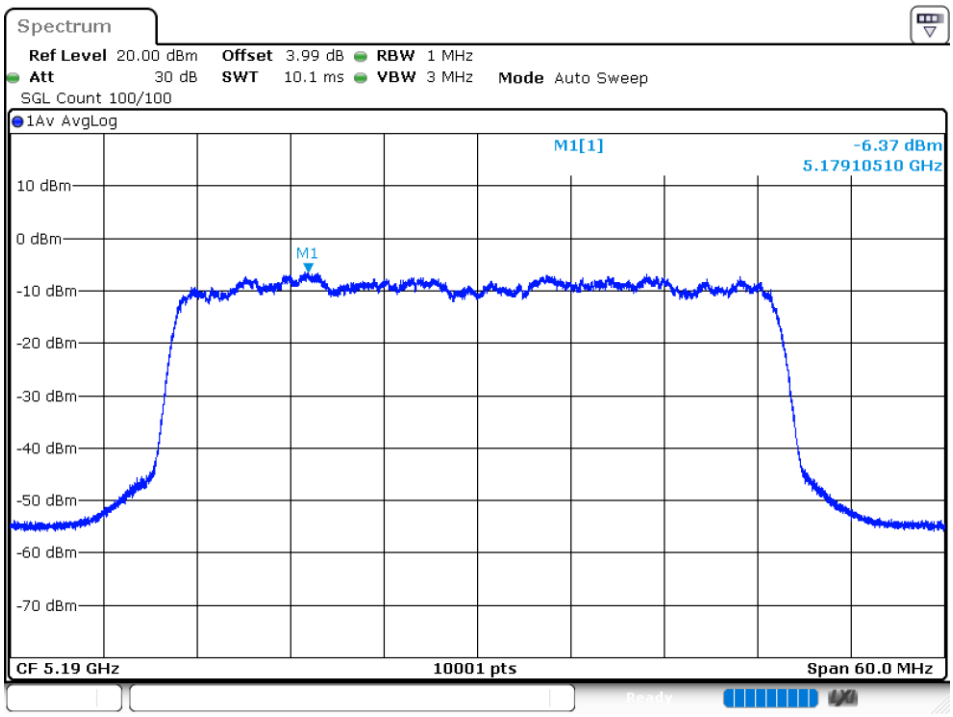
PSD NVNT ax20 5240MHz Ant4



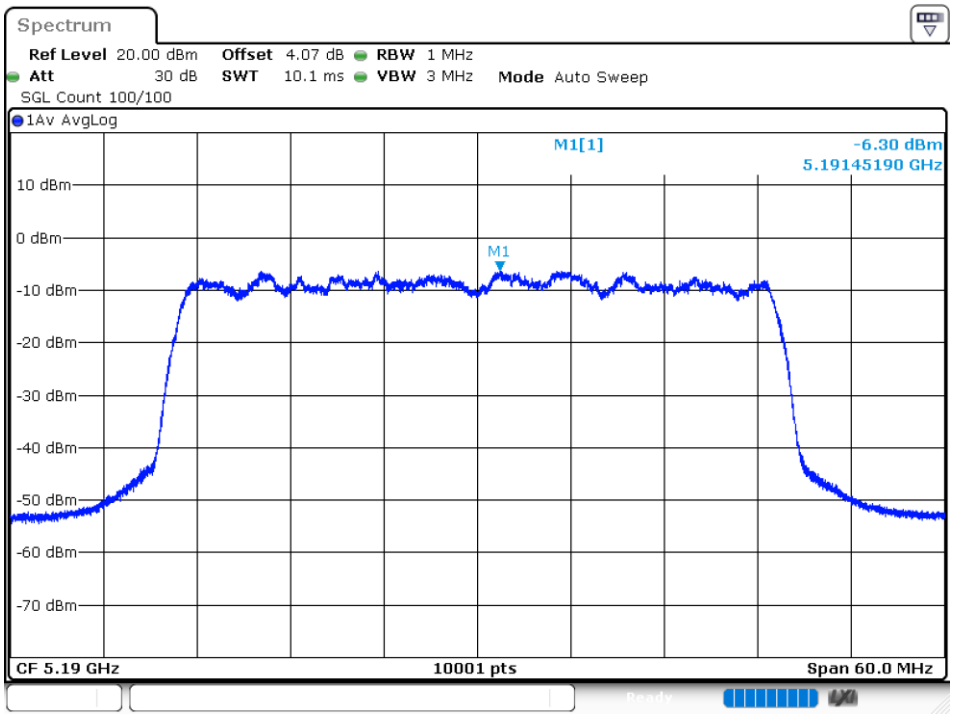
PSD NVNT ax40 5190MHz Ant1



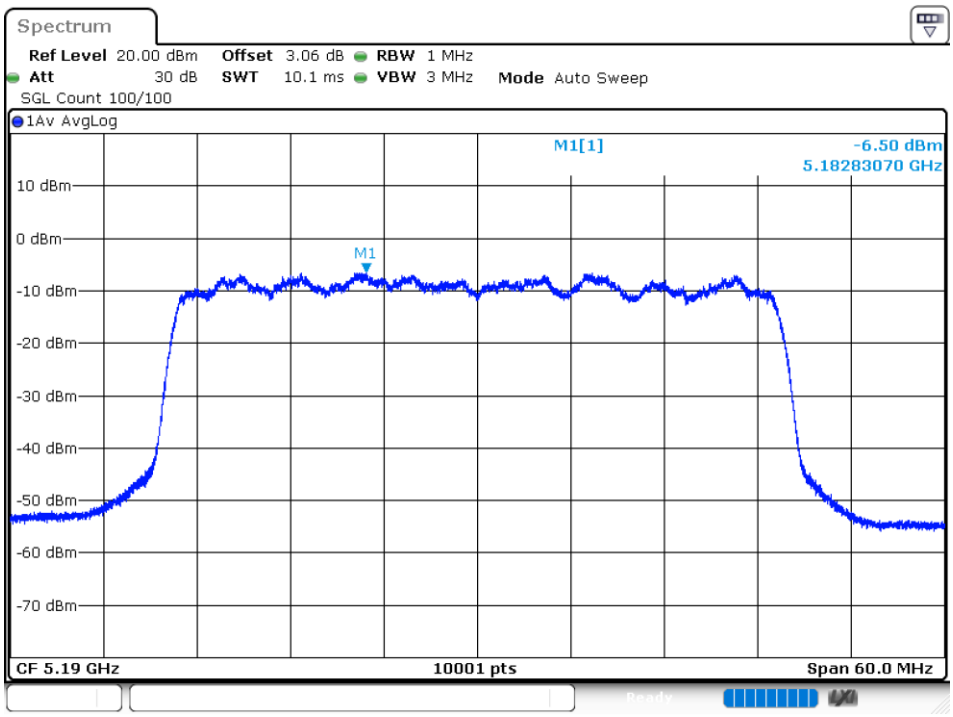
PSD NVNT ax40 5190MHz Ant2



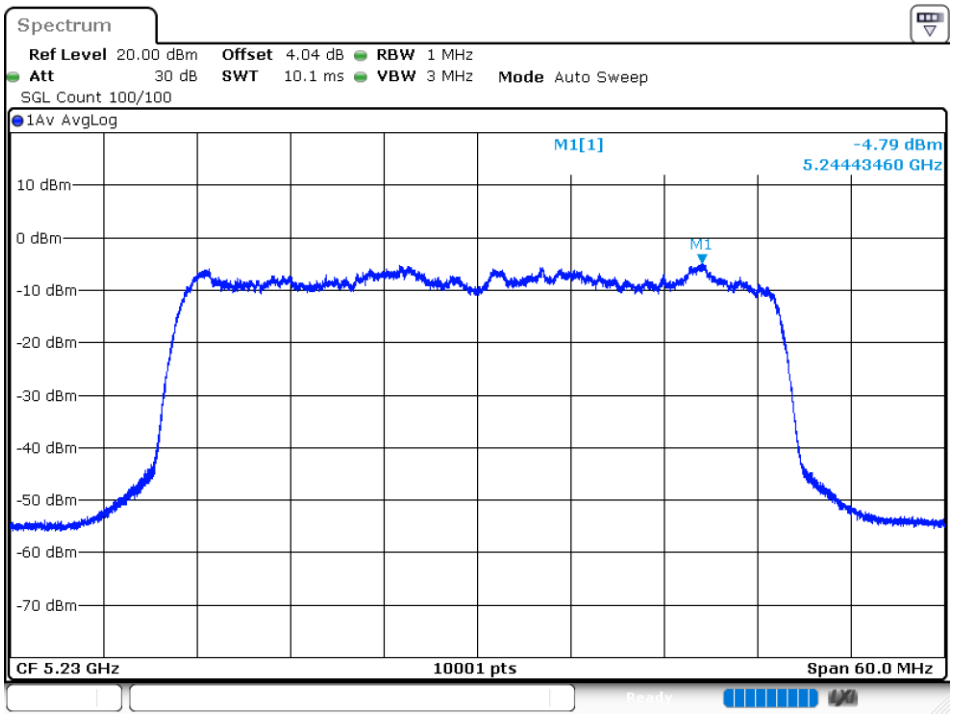
PSD NVNT ax40 5190MHz Ant3



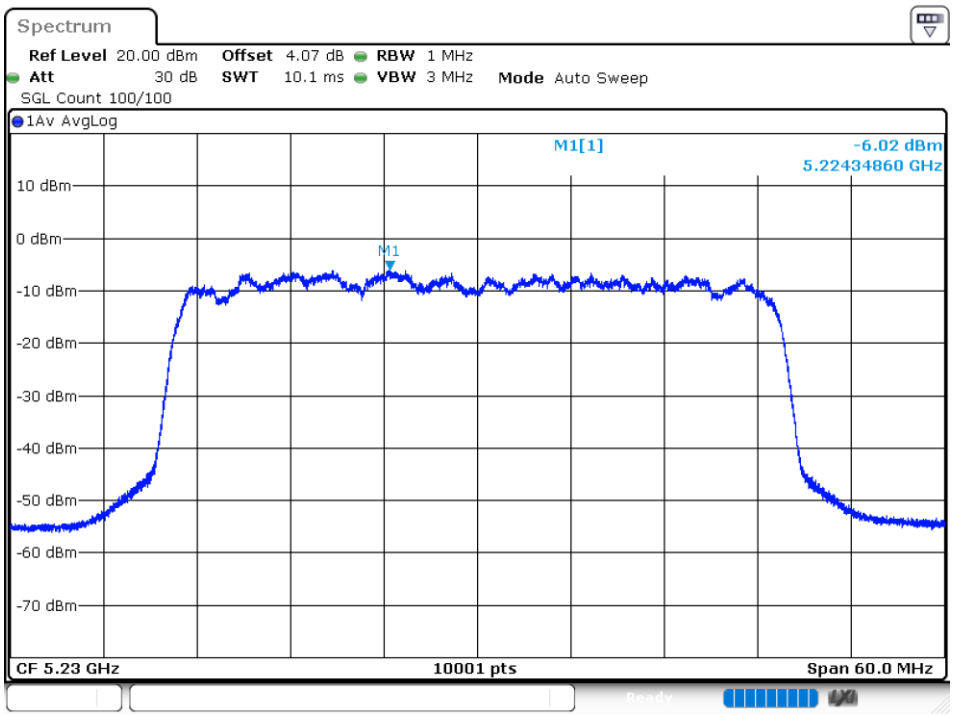
PSD NVNT ax40 5190MHz Ant4



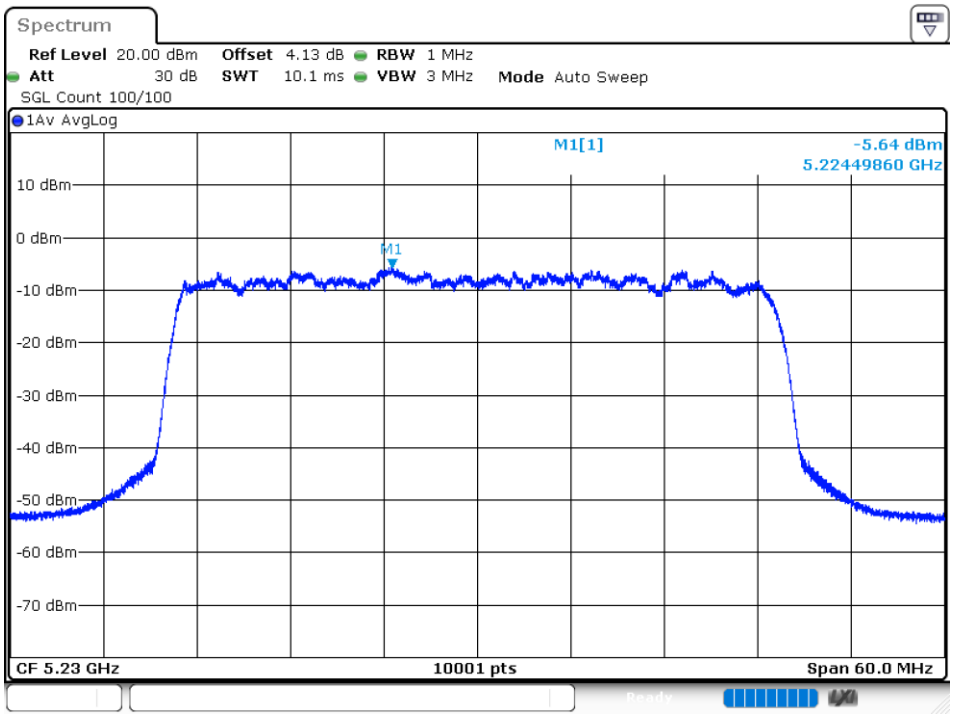
PSD NVNT ax40 5230MHz Ant1



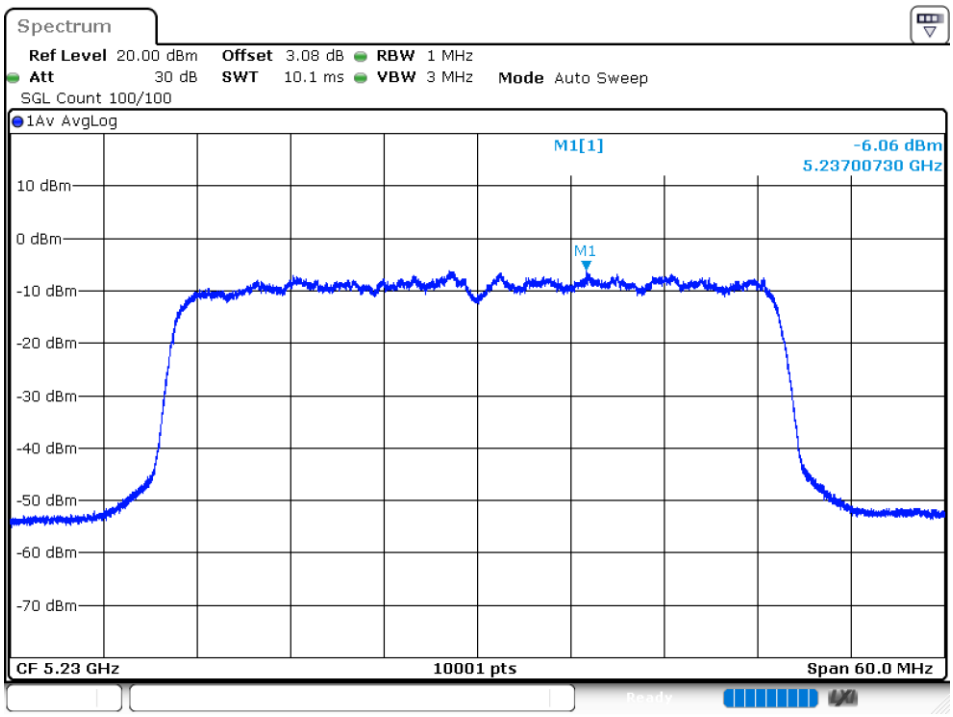
PSD NVNT ax40 5230MHz Ant2



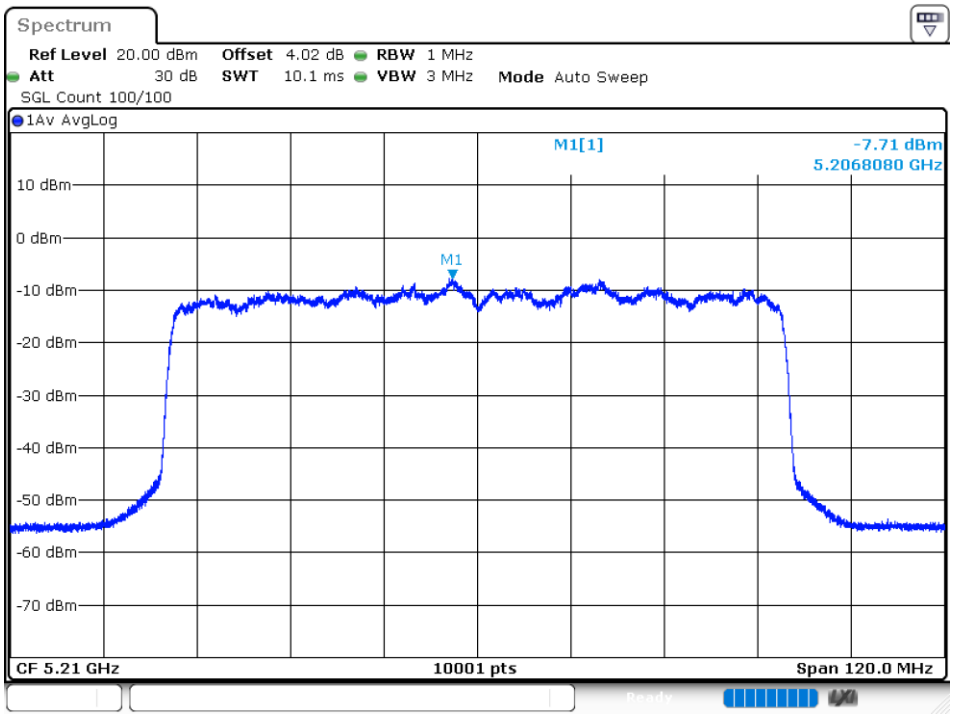
PSD NVNT ax40 5230MHz Ant3



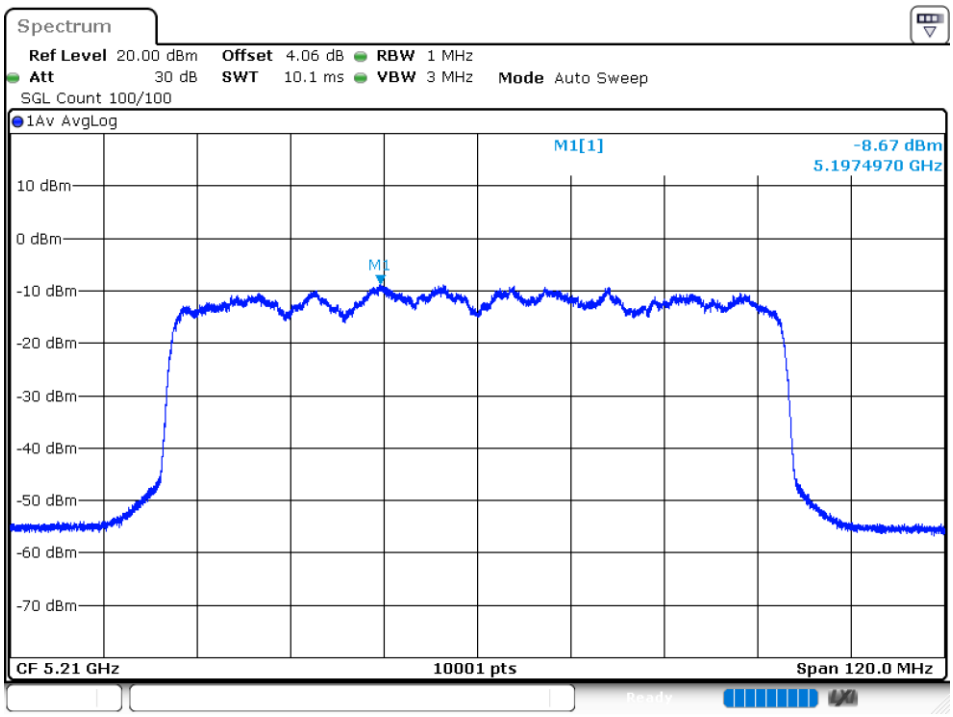
PSD NVNT ax40 5230MHz Ant4



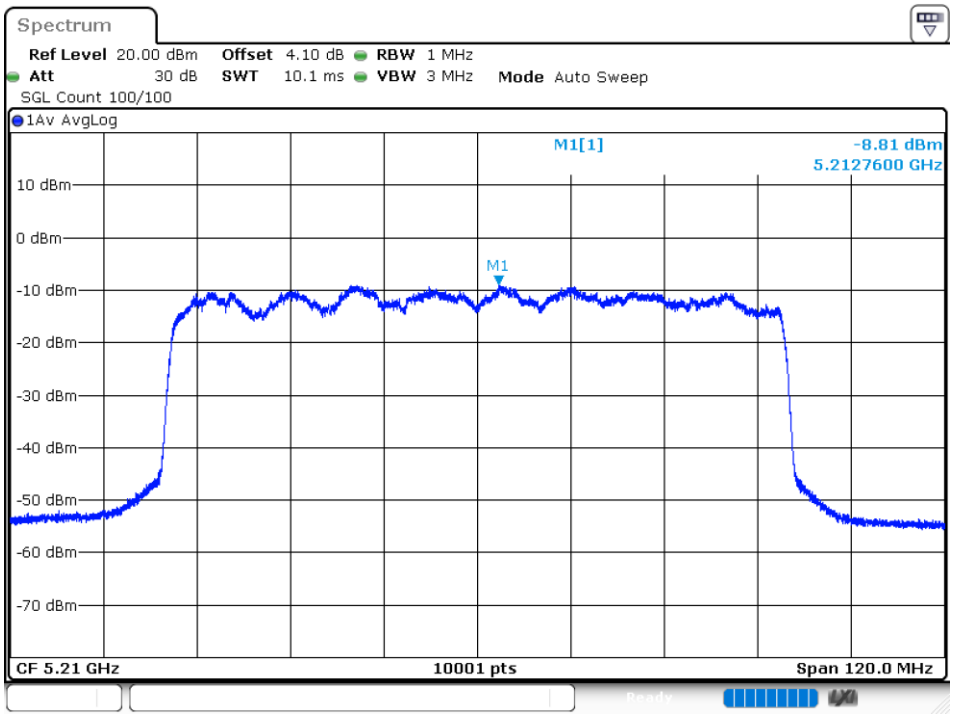
PSD NVNT ax80 5210MHz Ant1



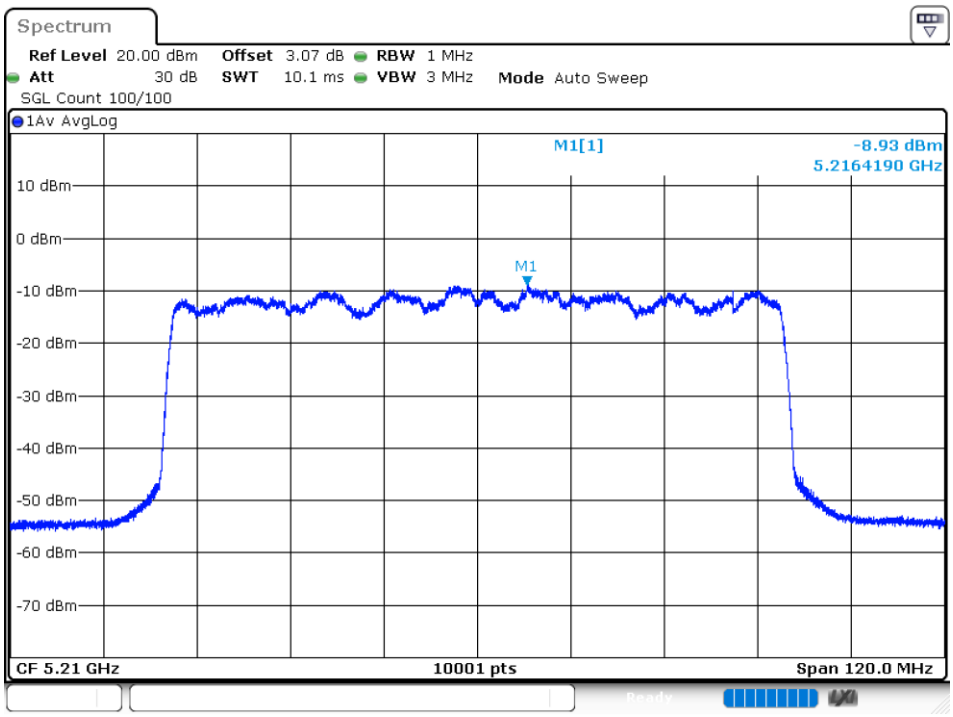
PSD NVNT ax80 5210MHz Ant2



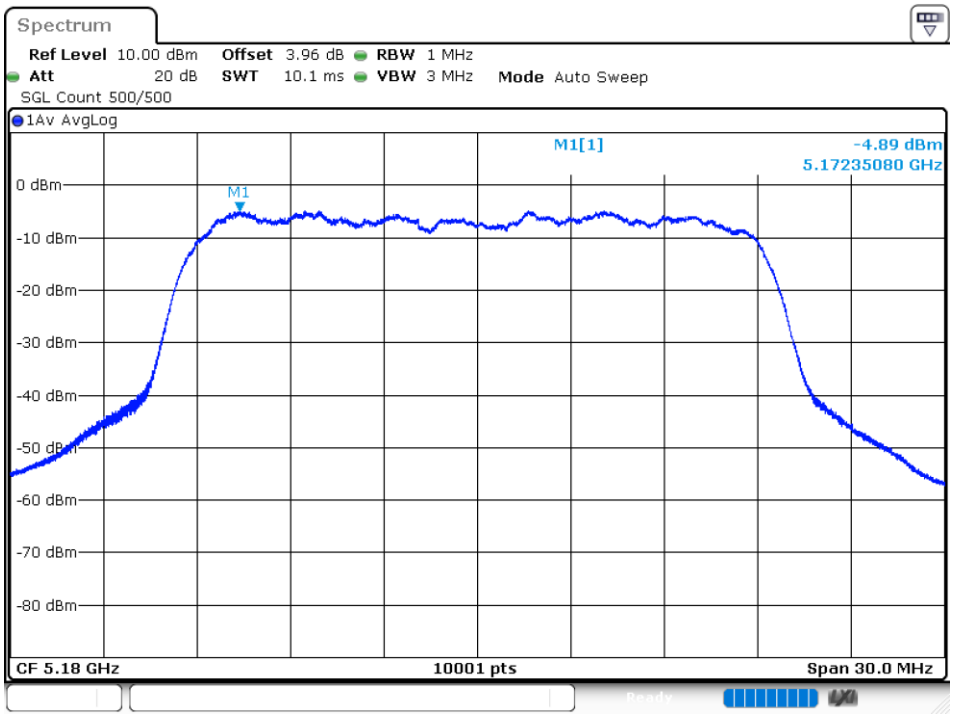
PSD NVNT ax80 5210MHz Ant3



PSD NVNT ax80 5210MHz Ant4



PSD NVNT n20 5180MHz Ant1



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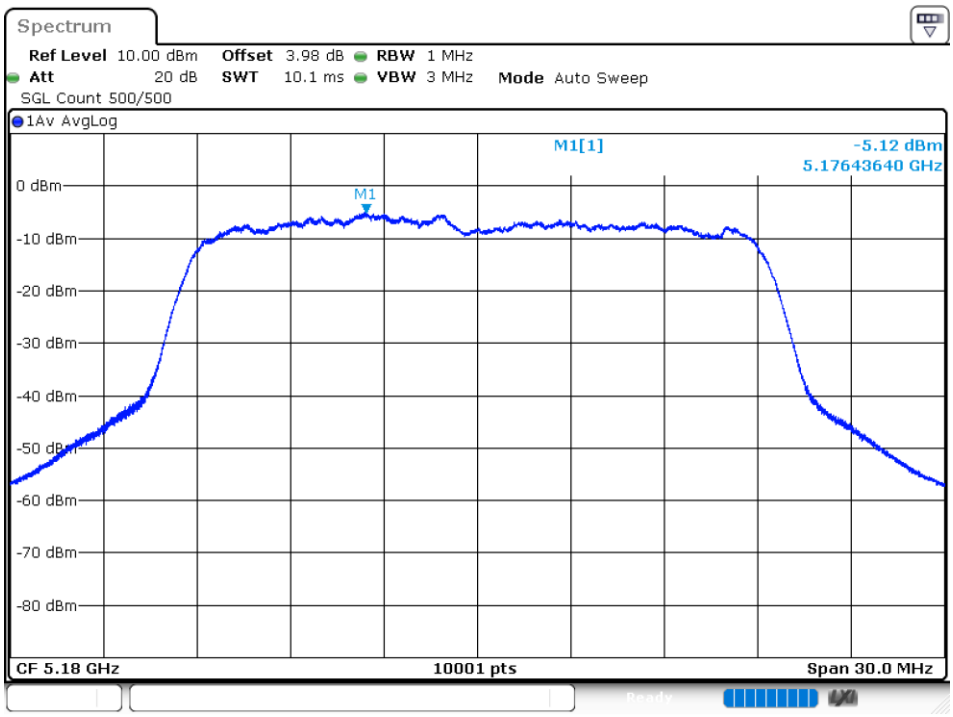
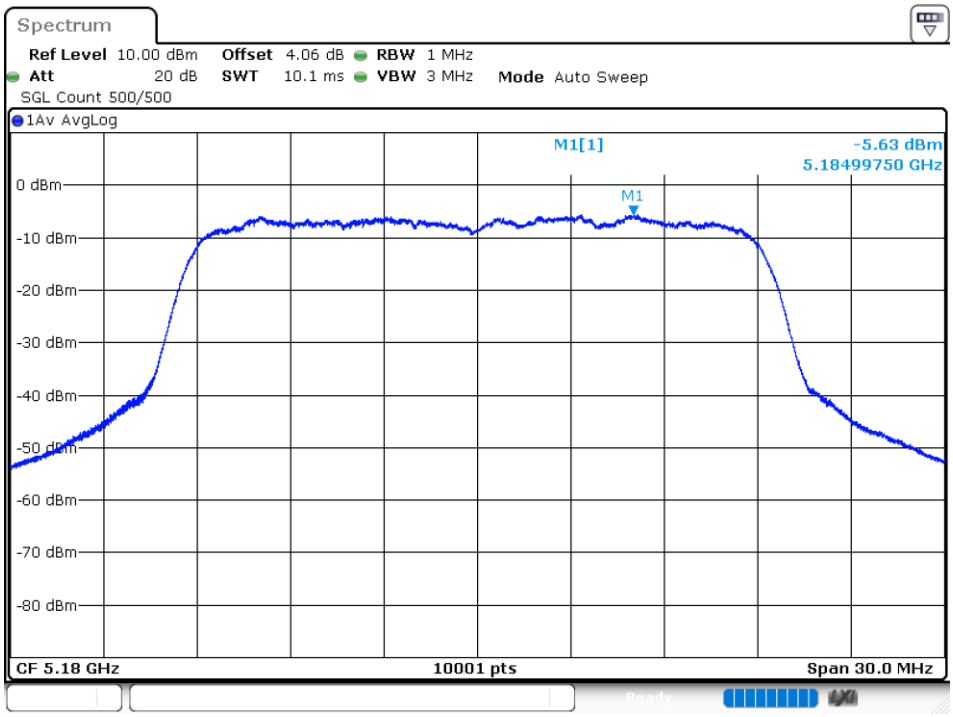
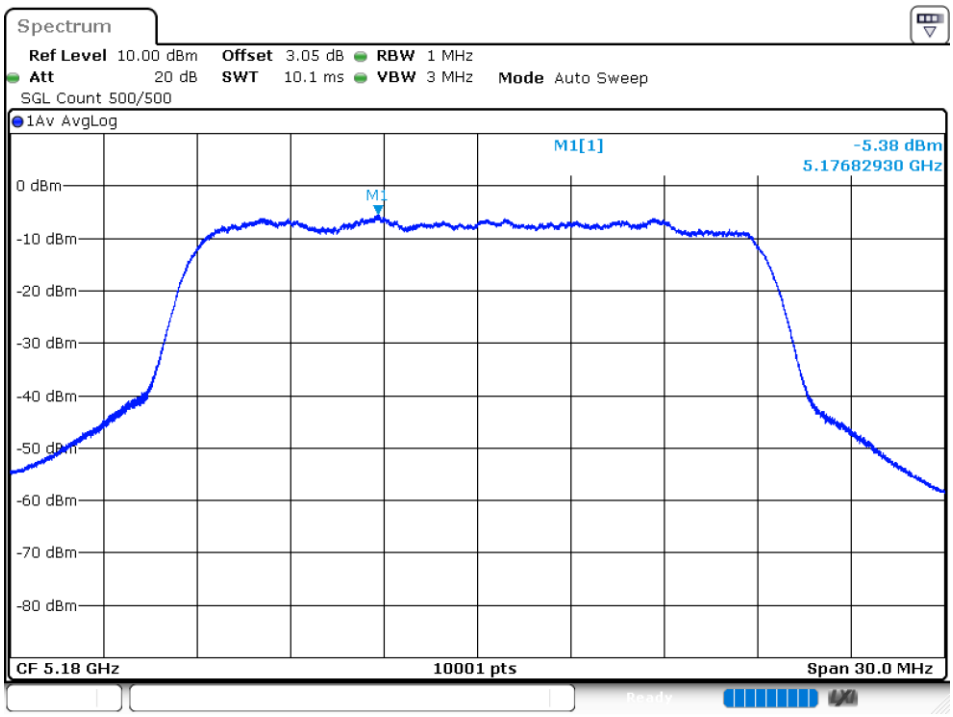


PSD NVNT n20 5180MHz Ant3



PSD NVNT n20 5180MHz Ant4