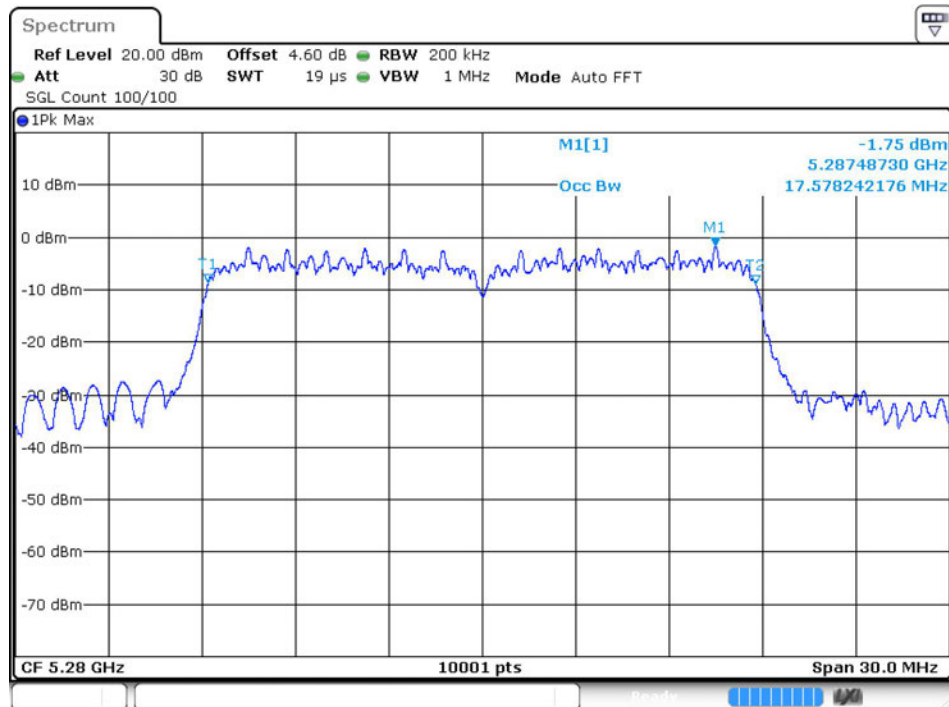
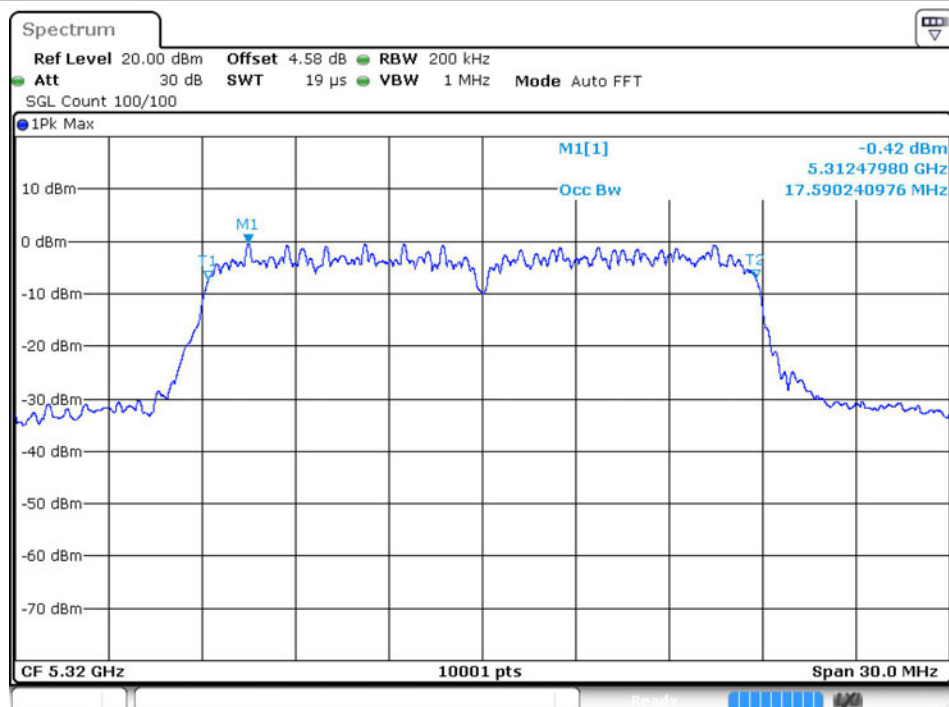


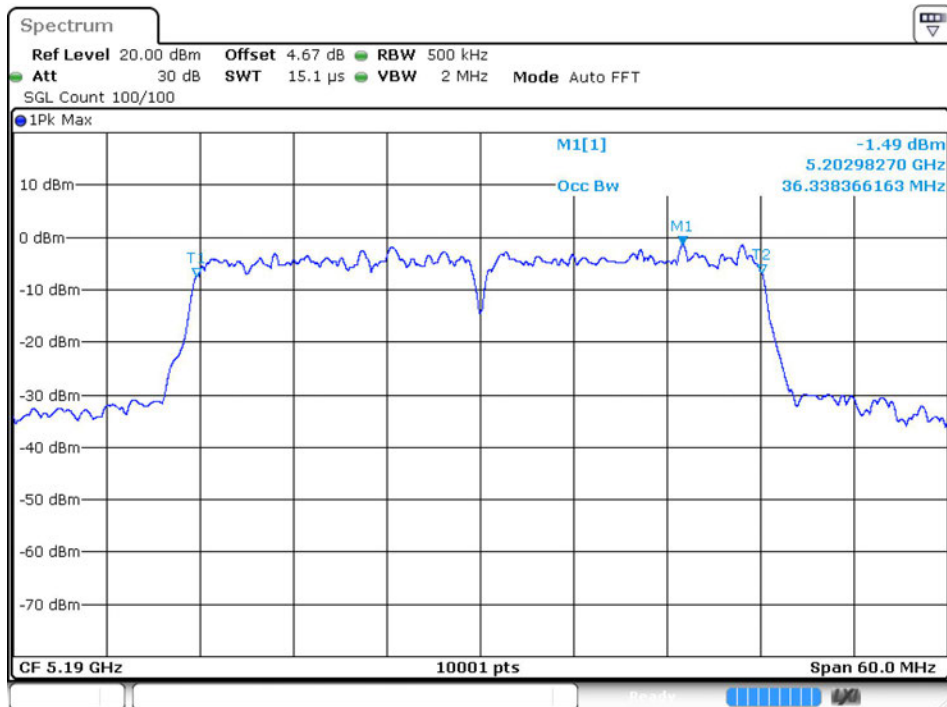
OBW NVNT n20 5280MHz Ant1



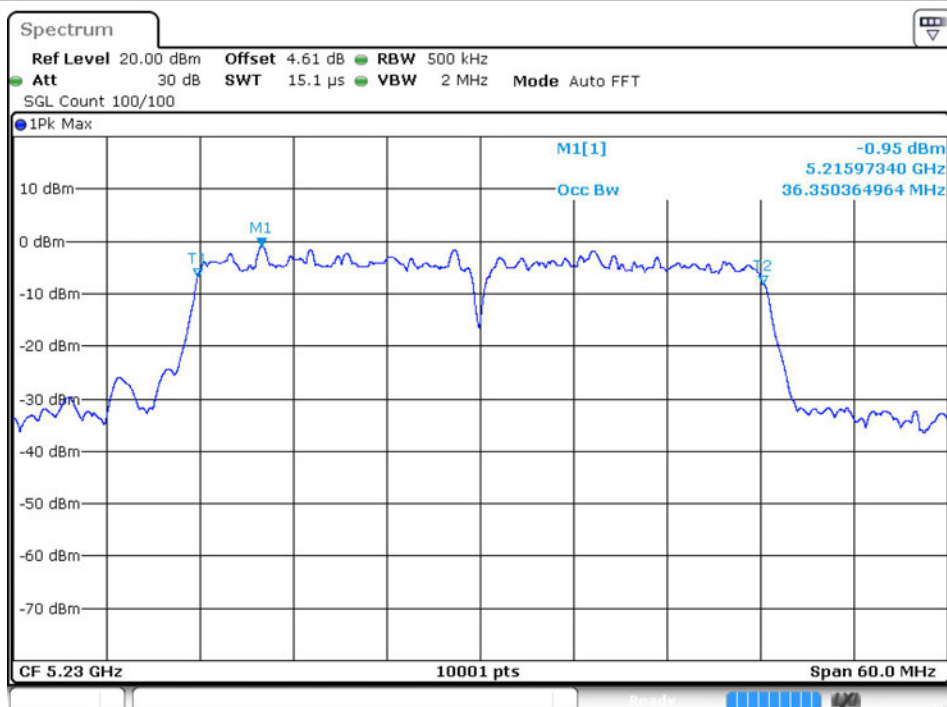
OBW NVNT n20 5320MHz Ant1



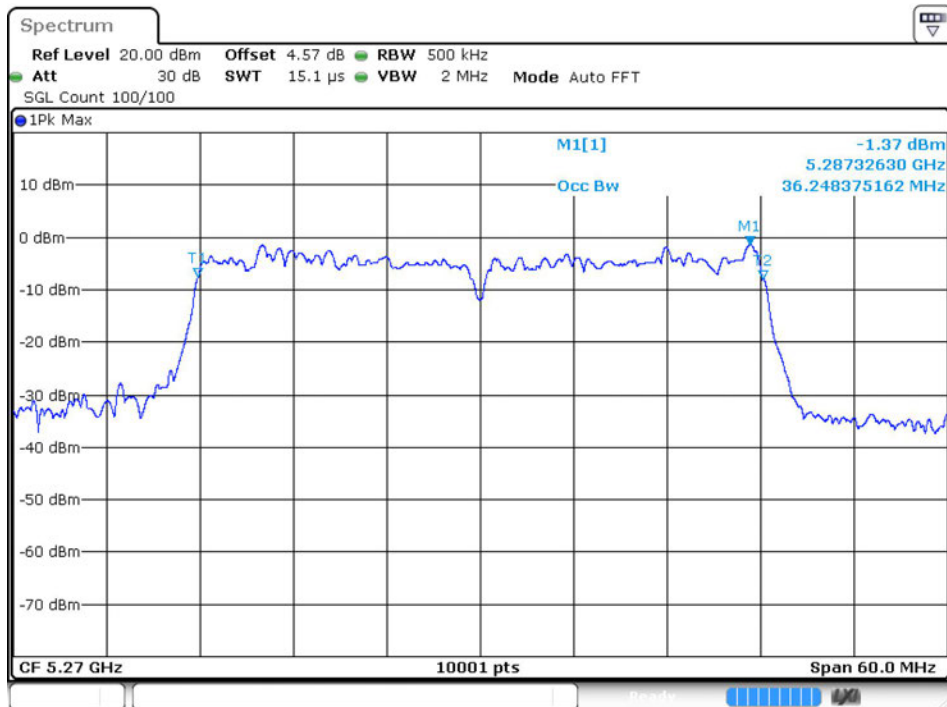
OBW NVNT n40 5190MHz Ant1



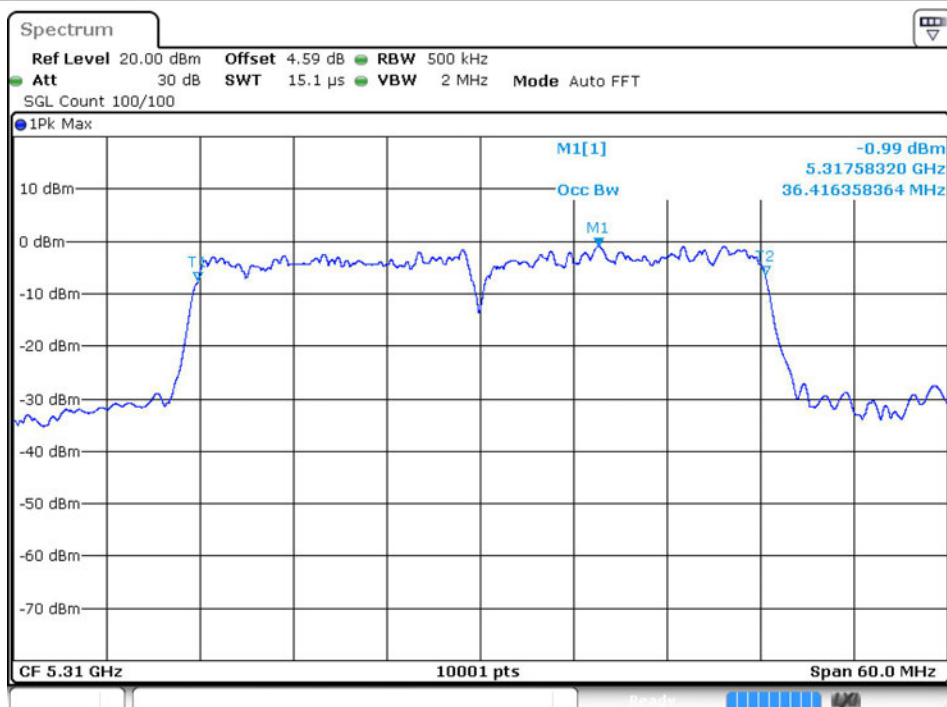
OBW NVNT n40 5230MHz Ant1



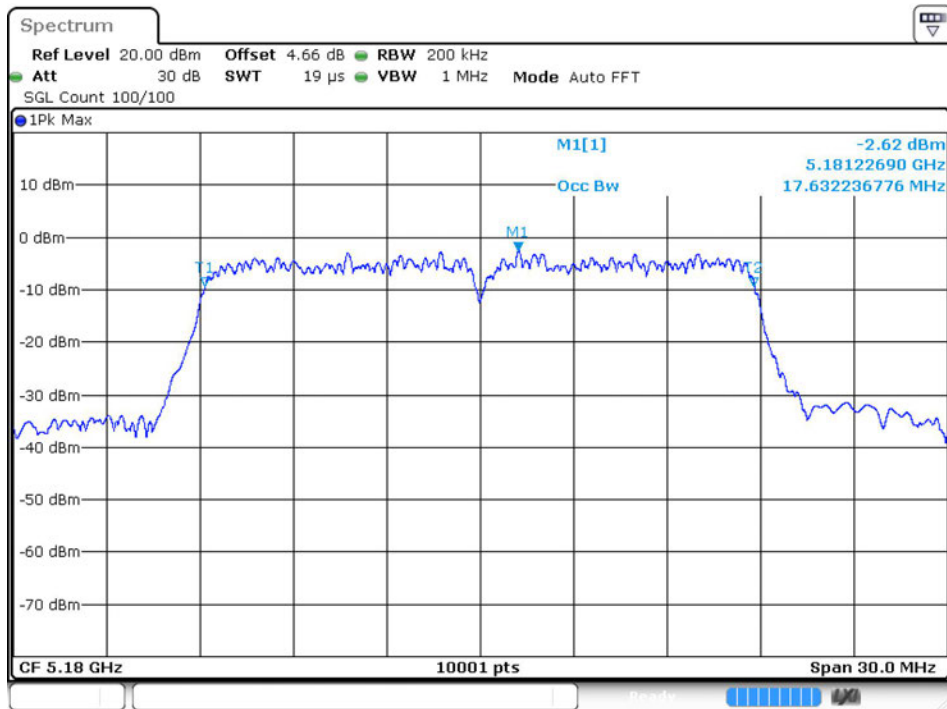
OBW NVNT n40 5270MHz Ant1



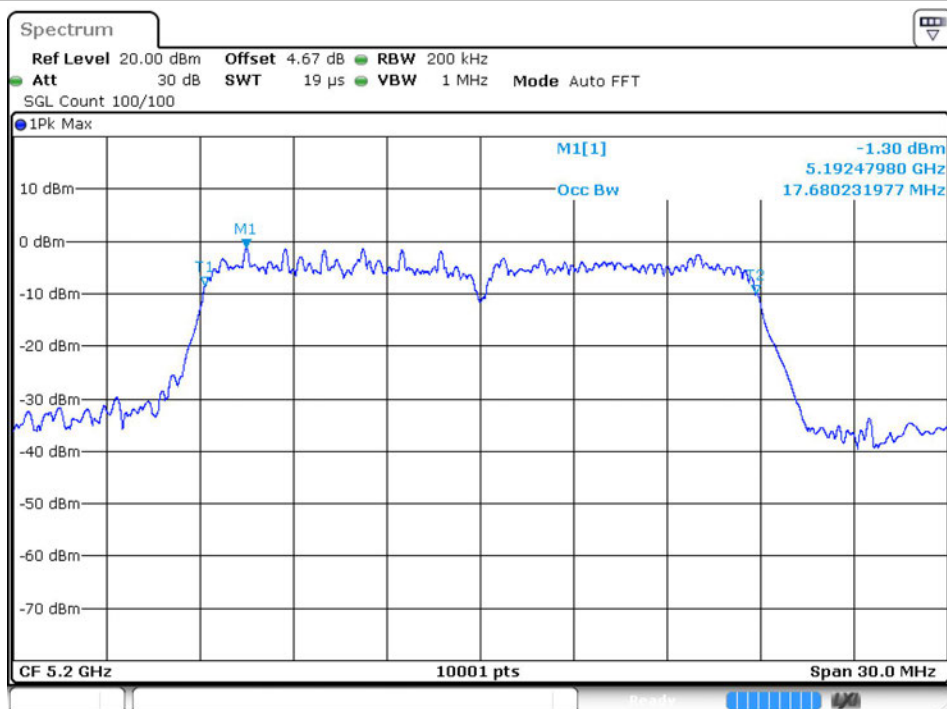
OBW NVNT n40 5310MHz Ant1



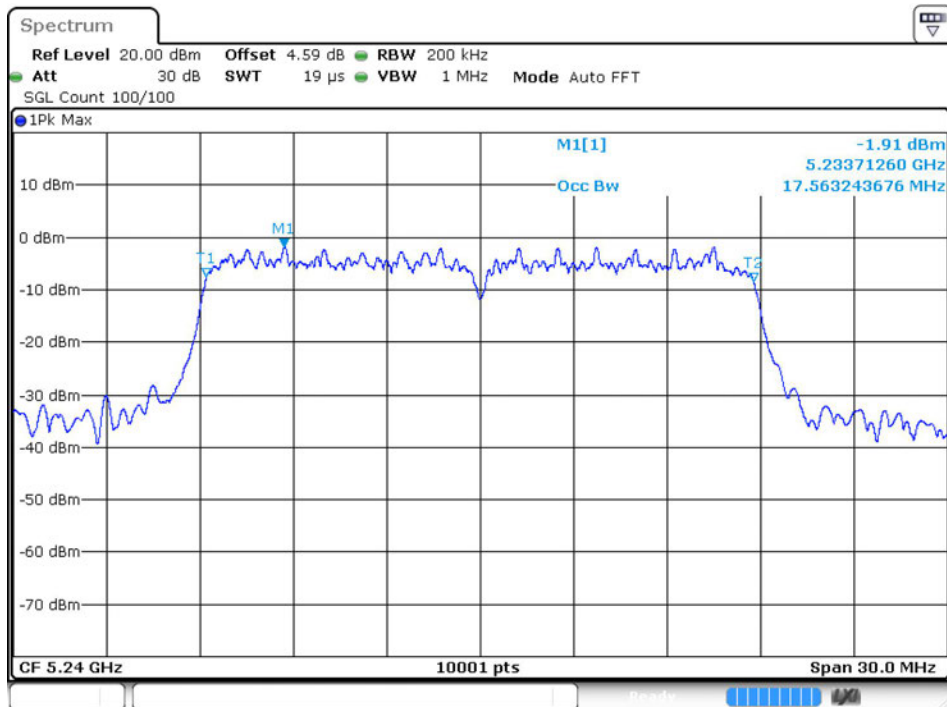
OBW NVNT ac20 5180MHz Ant1



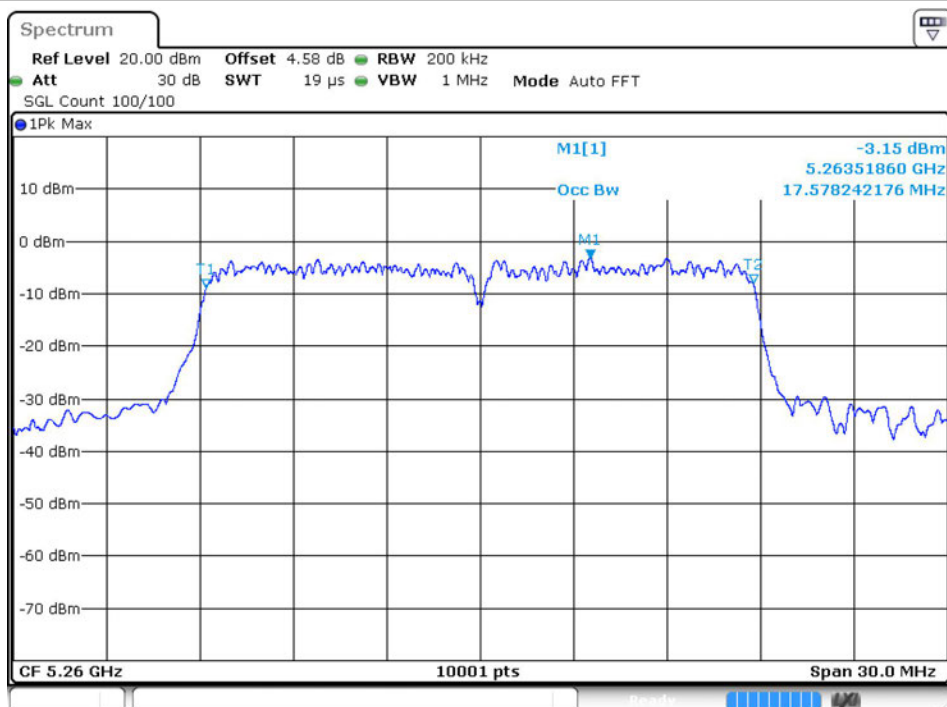
OBW NVNT ac20 5200MHz Ant1



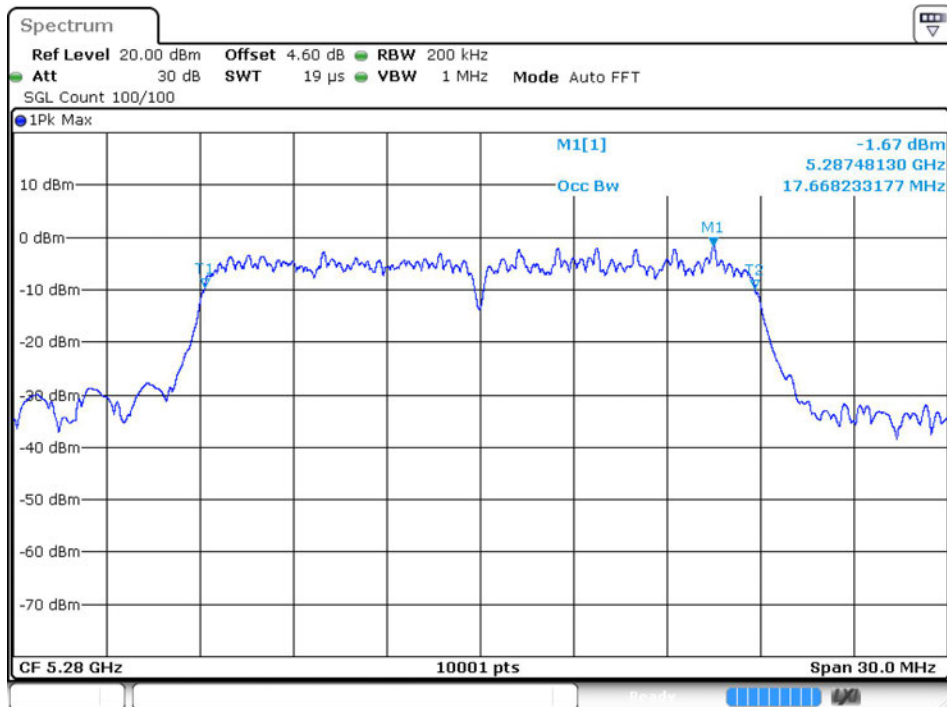
OBW NVNT ac20 5240MHz Ant1



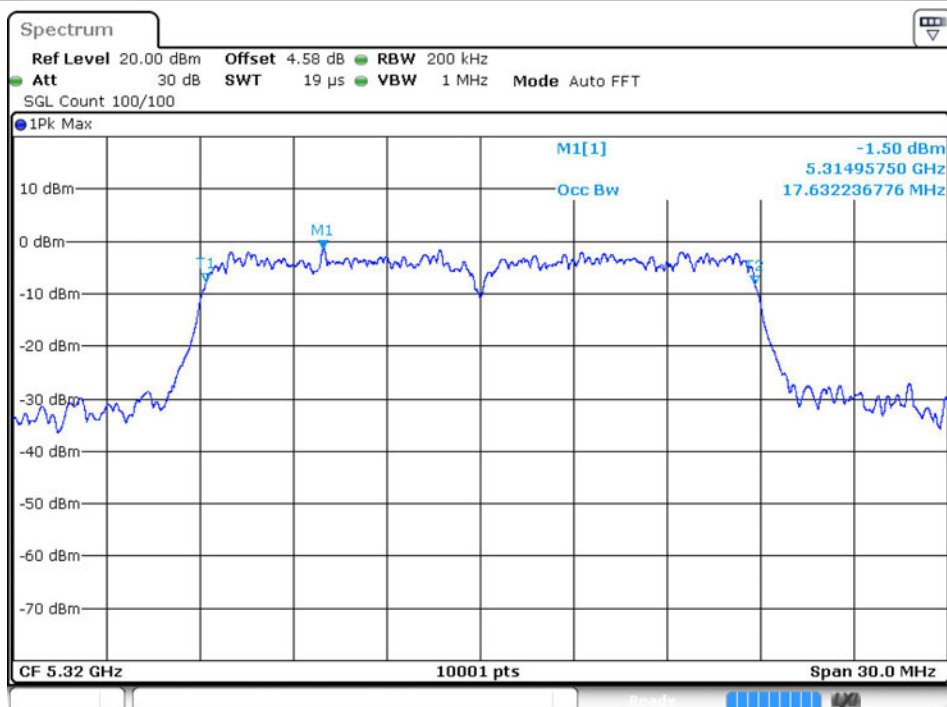
OBW NVNT ac20 5260MHz Ant1



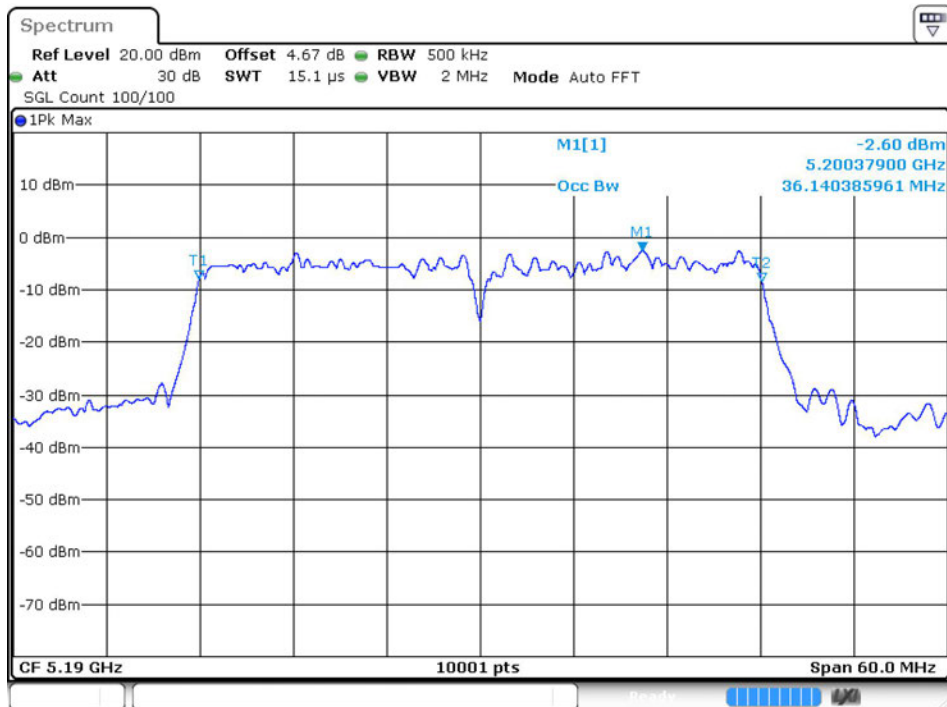
OBW NVNT ac20 5280MHz Ant1



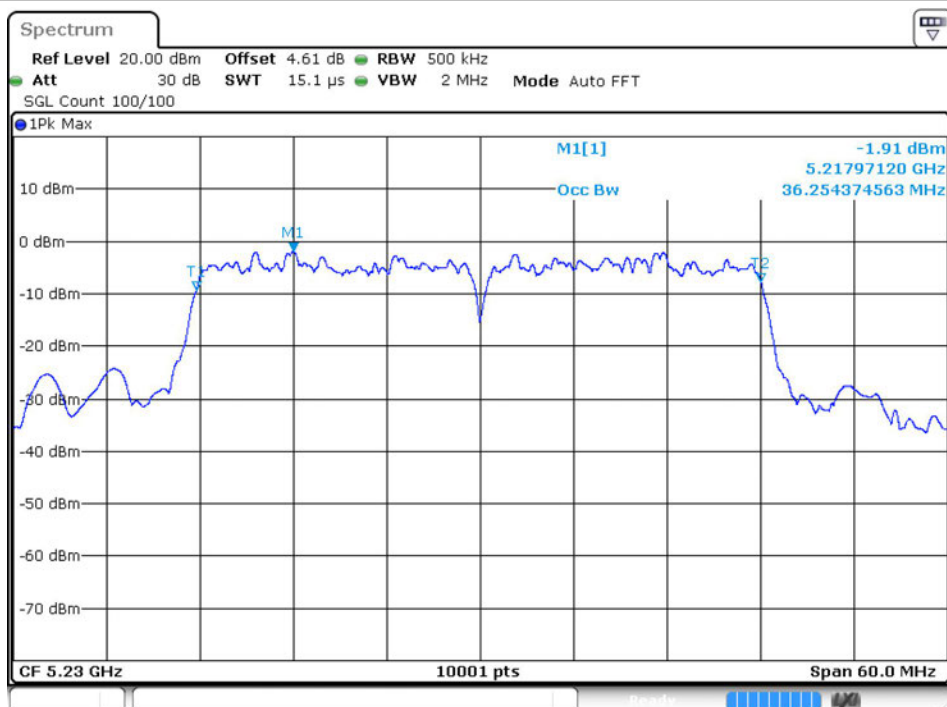
OBW NVNT ac20 5320MHz Ant1



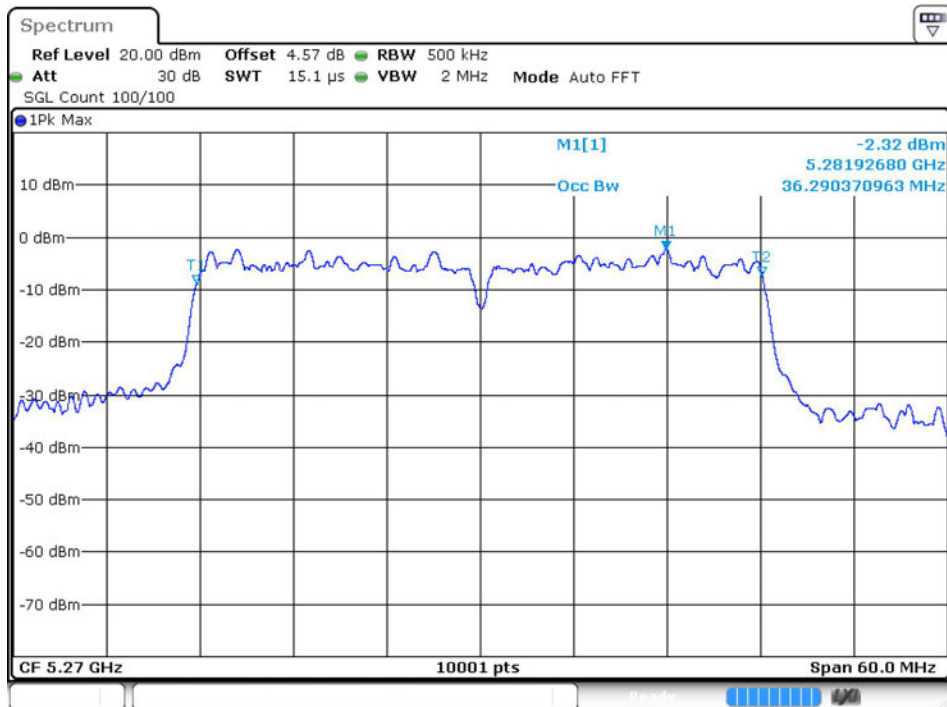
OBW NVNT ac40 5190MHz Ant1



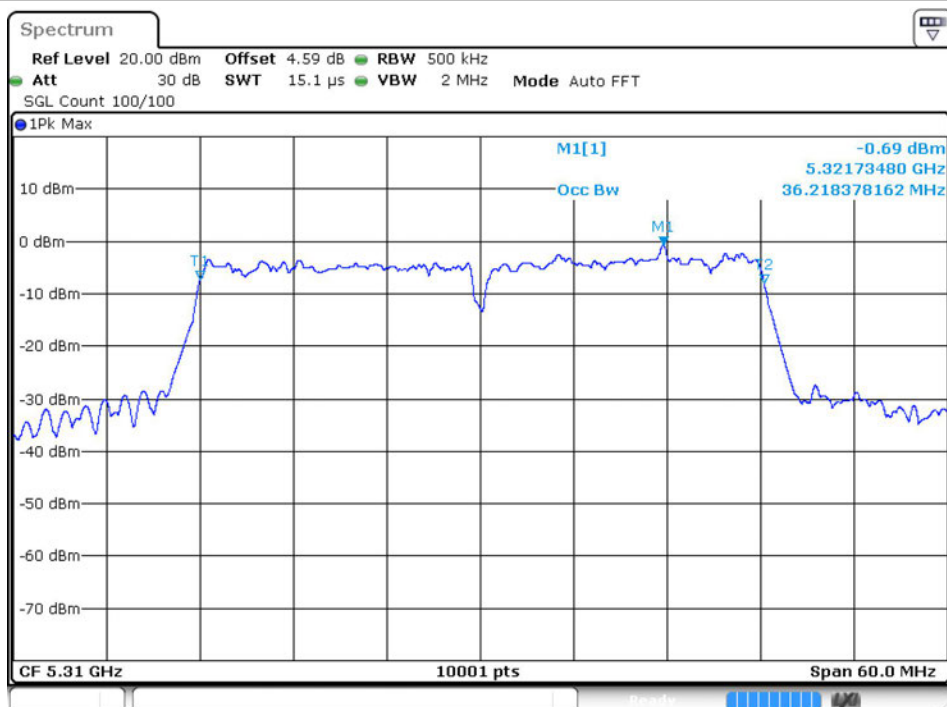
OBW NVNT ac40 5230MHz Ant1



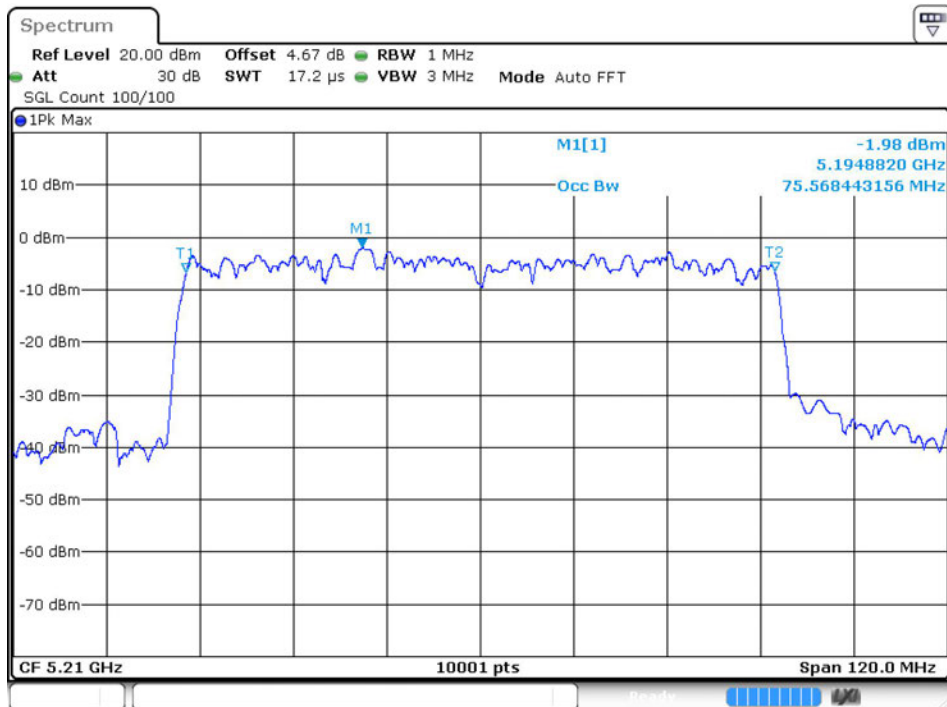
OBW NVNT ac40 5270MHz Ant1



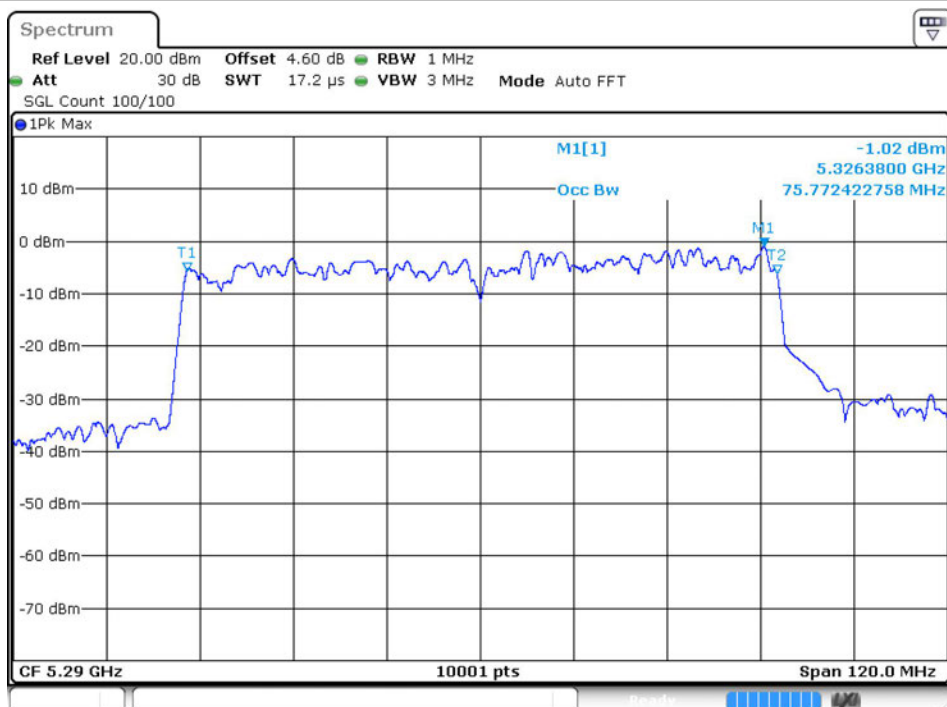
OBW NVNT ac40 5310MHz Ant1



OBW NVNT ac80 5210MHz Ant1



OBW NVNT ac80 5290MHz Ant1

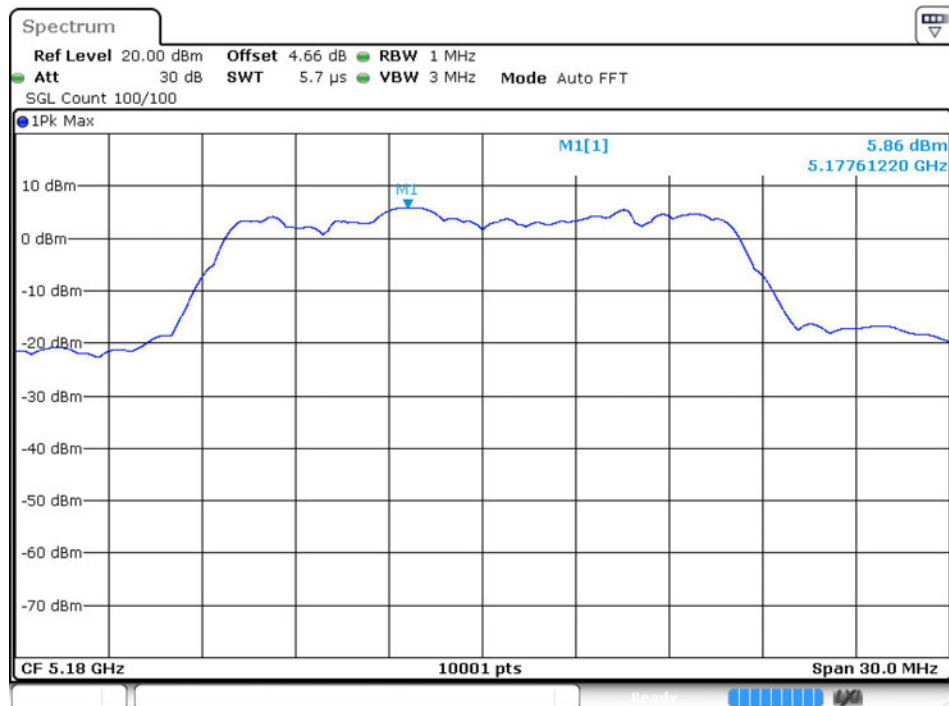


5.Maximum Power Spectral Density Level

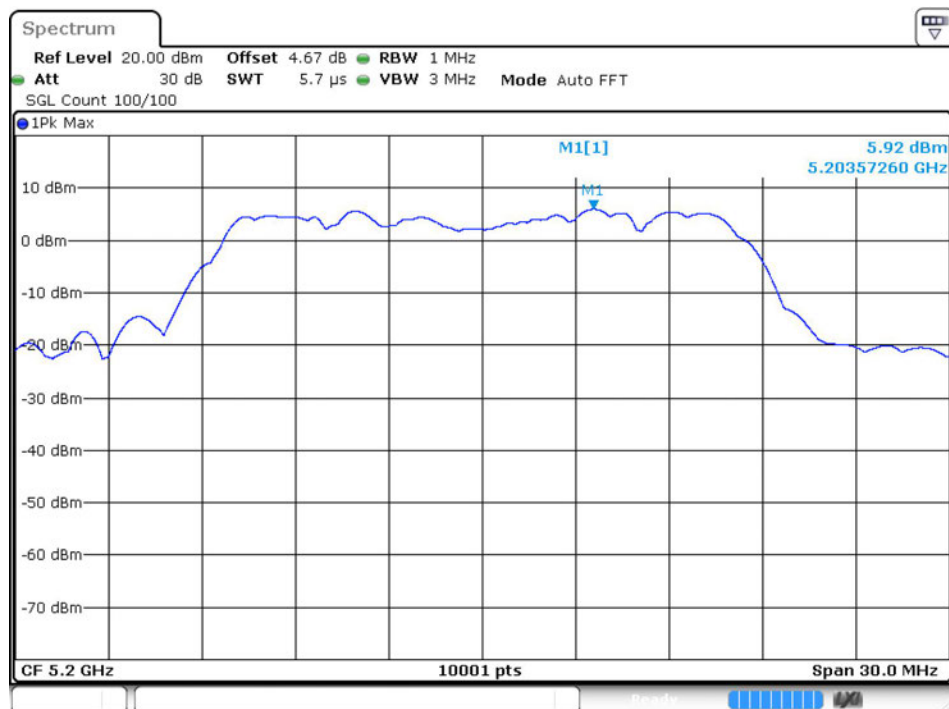
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
802.11a	5180	Ant1	5.86	0	5.86	11	Pass
802.11a	5200	Ant1	5.92	0	5.92	11	Pass
802.11a	5240	Ant1	5.54	0	5.54	11	Pass
802.11a	5260	Ant1	4.74	0	4.74	11	Pass
802.11a	5280	Ant1	7.23	0	7.23	11	Pass
802.11a	5320	Ant1	6.16	0	6.16	11	Pass
802.11n20	5180	Ant1	6.12	0	6.12	11	Pass
802.11n20	5200	Ant1	4.83	0	4.83	11	Pass
802.11n20	5240	Ant1	4.61	0	4.61	11	Pass
802.11n20	5260	Ant1	5.68	0	5.68	11	Pass
802.11n20	5280	Ant1	4.57	0	4.57	11	Pass
802.11n20	5320	Ant1	5.41	0	5.41	11	Pass
802.11n40	5190	Ant1	1.16	0	1.16	11	Pass
802.11n40	5230	Ant1	1.7	0	1.7	11	Pass
802.11n40	5270	Ant1	1.05	0	1.05	11	Pass
802.11n40	5310	Ant1	3.17	0	3.17	11	Pass
802.11ac20	5180	Ant1	4.82	0	4.82	11	Pass
802.11ac20	5200	Ant1	4.72	0	4.72	11	Pass
802.11ac20	5240	Ant1	4.87	0	4.87	11	Pass
802.11ac20	5260	Ant1	4.15	0	4.15	11	Pass
802.11ac20	5280	Ant1	4.42	0	4.42	11	Pass
802.11ac20	5320	Ant1	5.95	0	5.95	11	Pass
802.11ac40	5190	Ant1	1.38	0	1.38	11	Pass
802.11ac40	5230	Ant1	0.79	0	0.79	11	Pass
802.11ac40	5270	Ant1	0.22	0	0.22	11	Pass
802.11ac40	5310	Ant1	1.78	0	1.78	11	Pass
802.11ac80	5210	Ant1	-2.16	0	-2.16	11	Pass
802.11ac80	5290	Ant1	-1.03	0	-1.03	11	Pass

Test Graphs

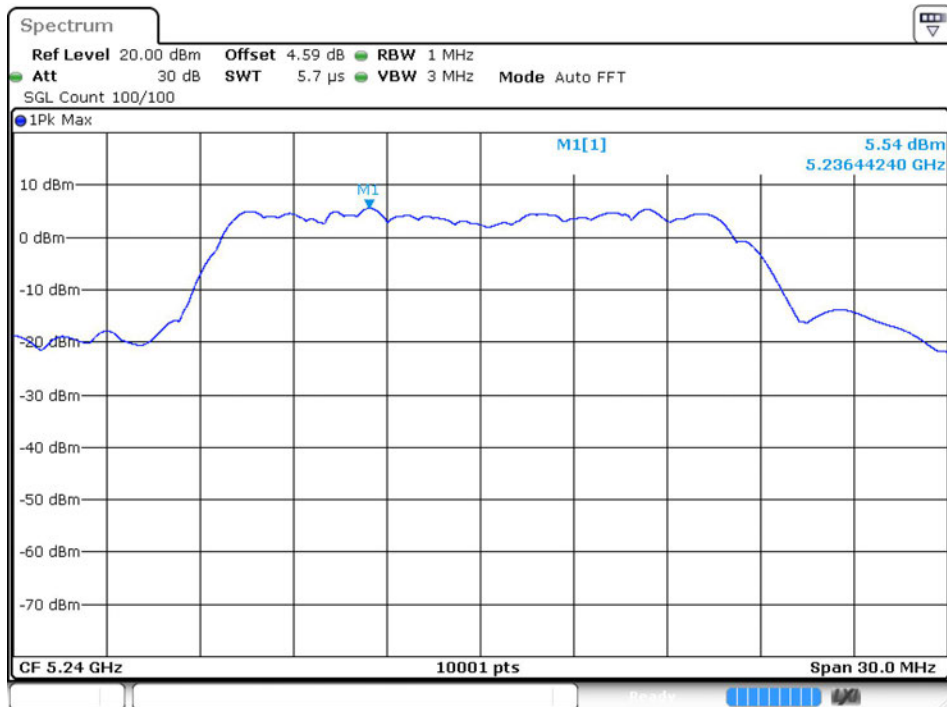
PSD NVNT a 5180MHz Ant1



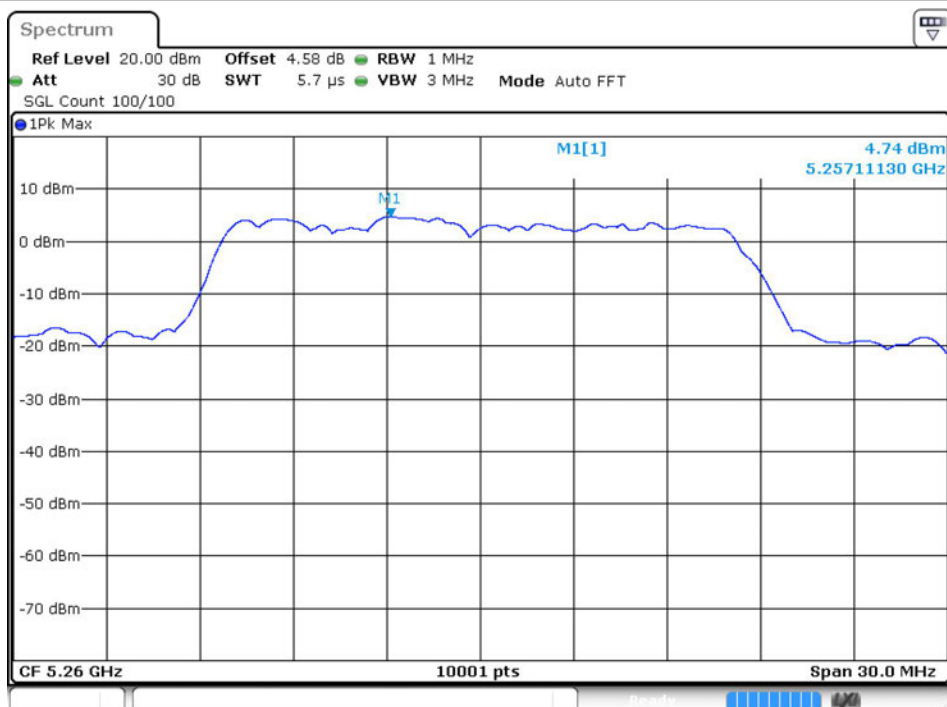
PSD NVNT a 5200MHz Ant1



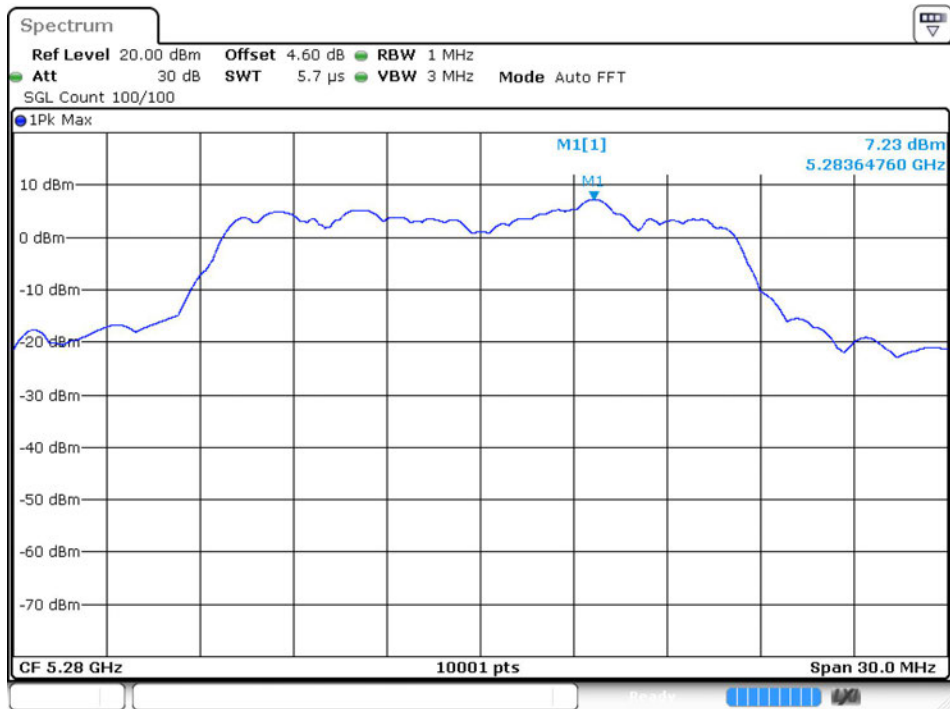
PSD NVNT a 5240MHz Ant1



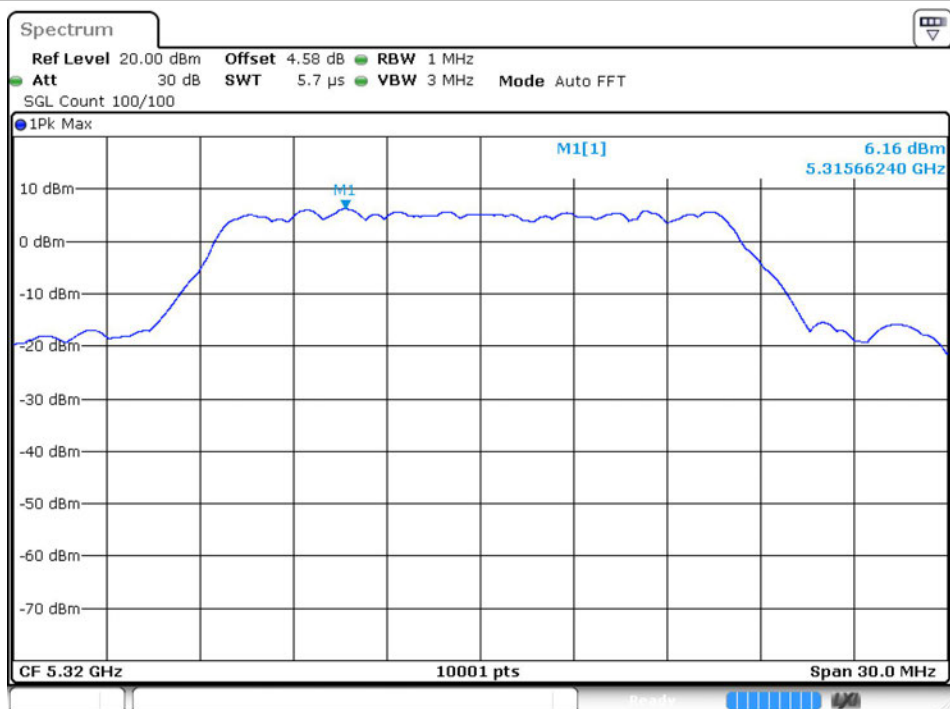
PSD NVNT a 5260MHz Ant1



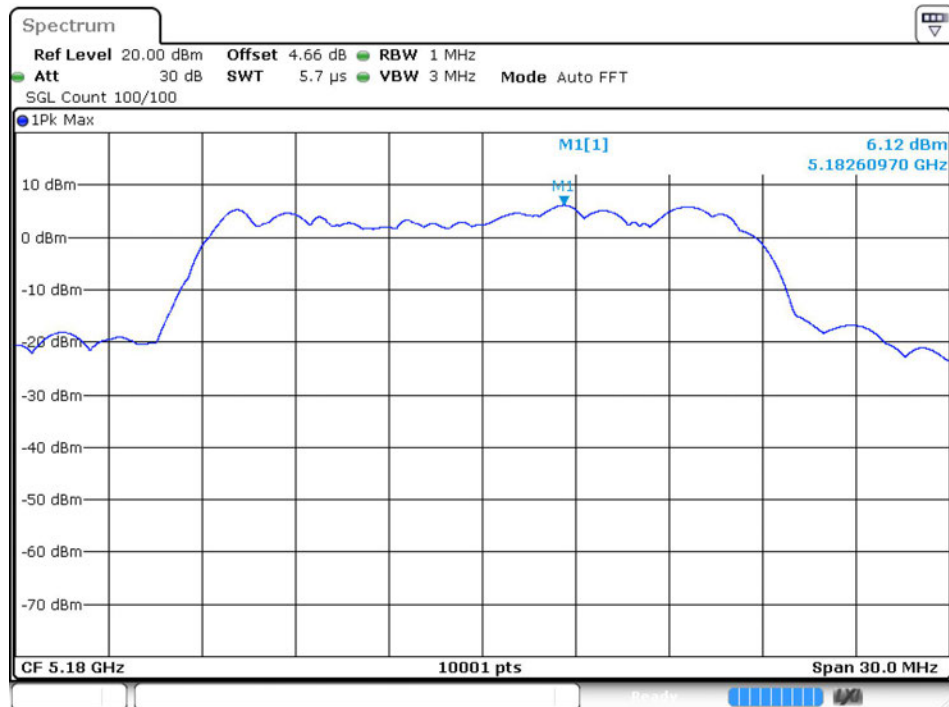
PSD NVNT a 5280MHz Ant1



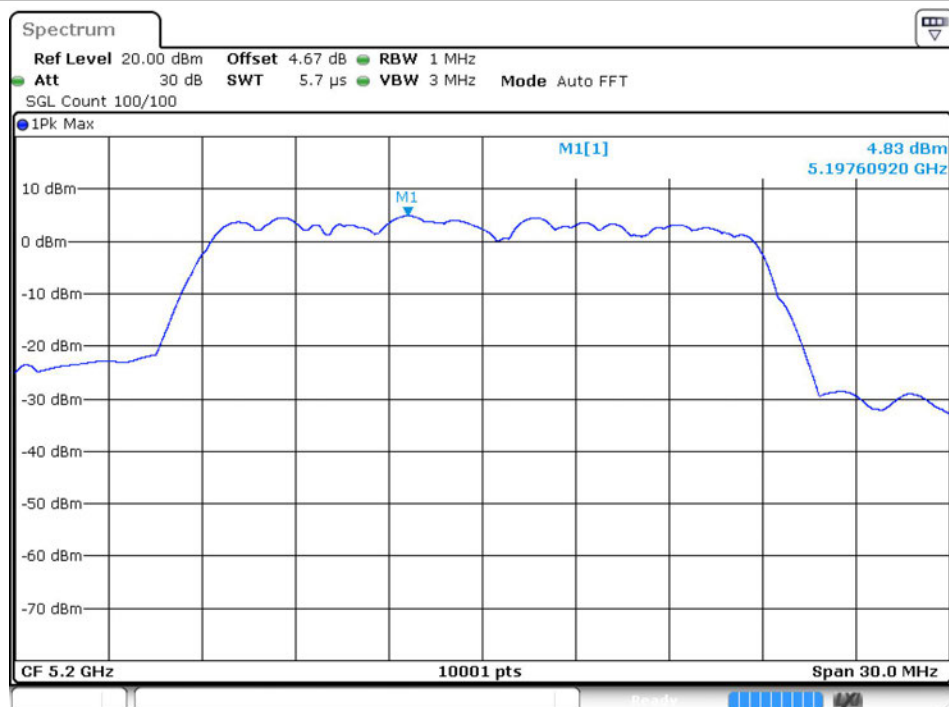
PSD NVNT a 5320MHz Ant1



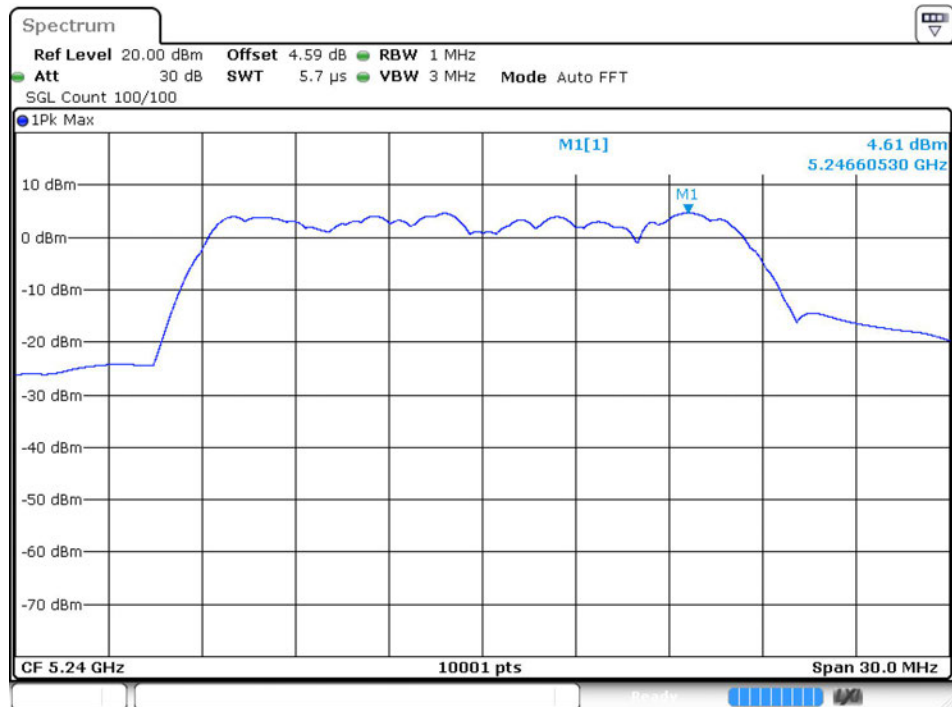
PSD NVNT n20 5180MHz Ant1



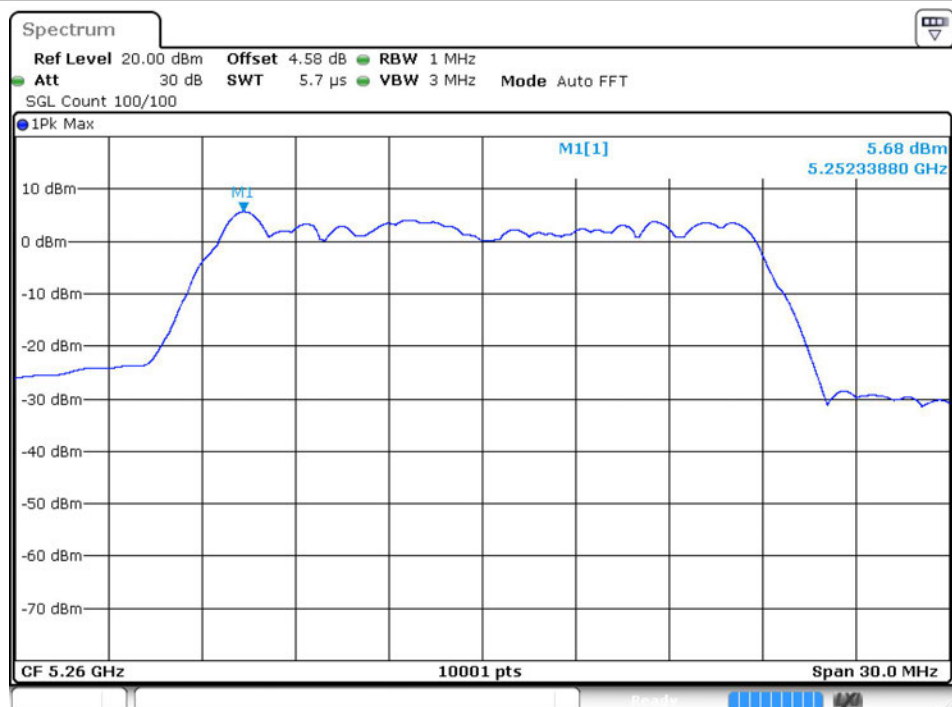
PSD NVNT n20 5200MHz Ant1



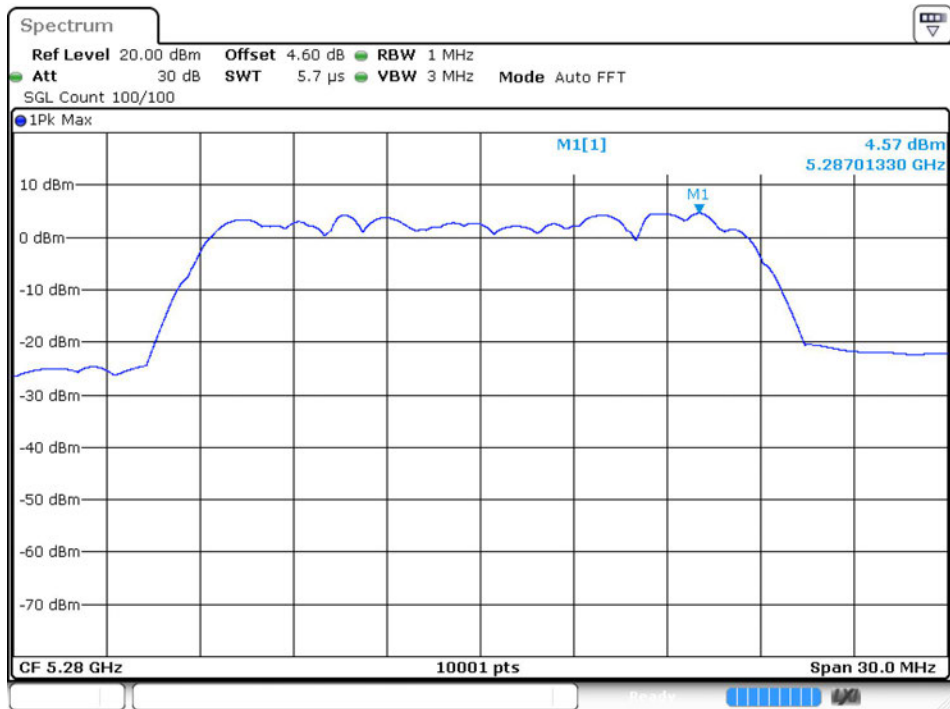
PSD NVNT n20 5240MHz Ant1



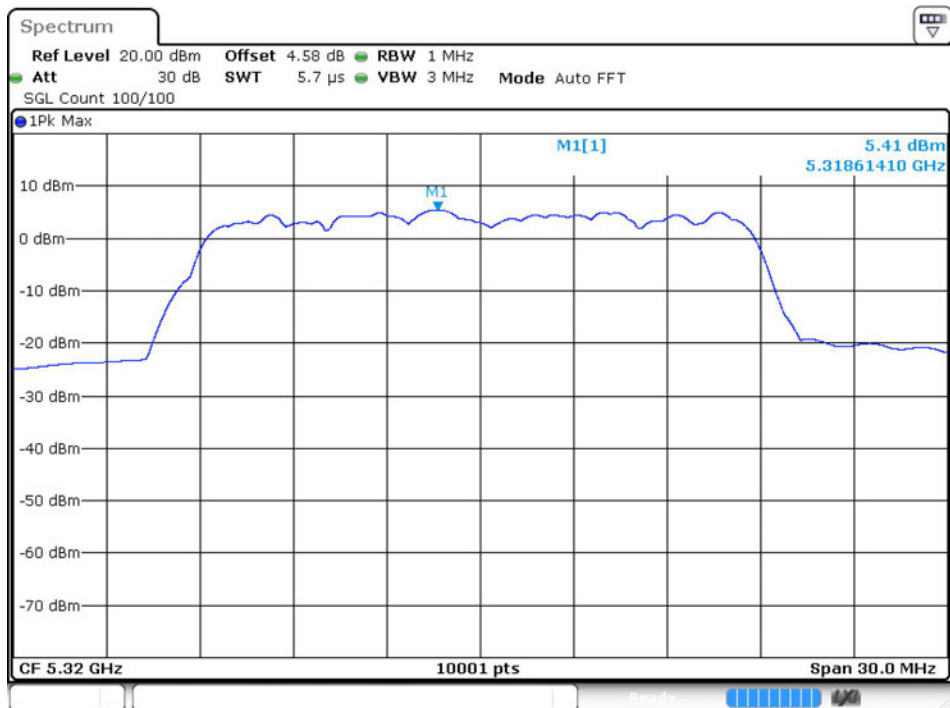
PSD NVNT n20 5260MHz Ant1



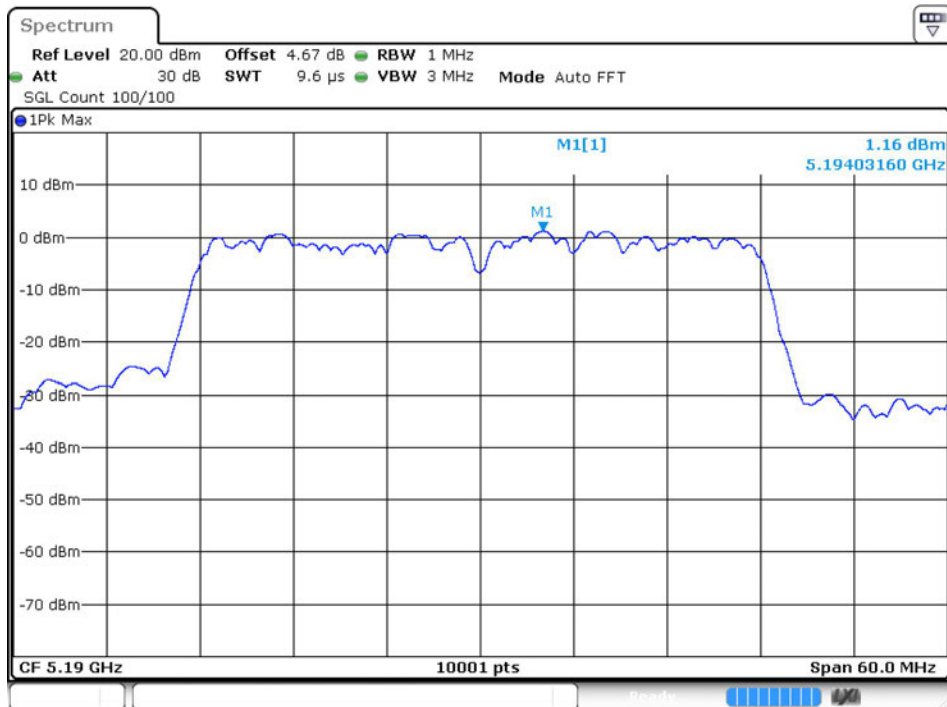
PSD NVNT n20 5280MHz Ant1



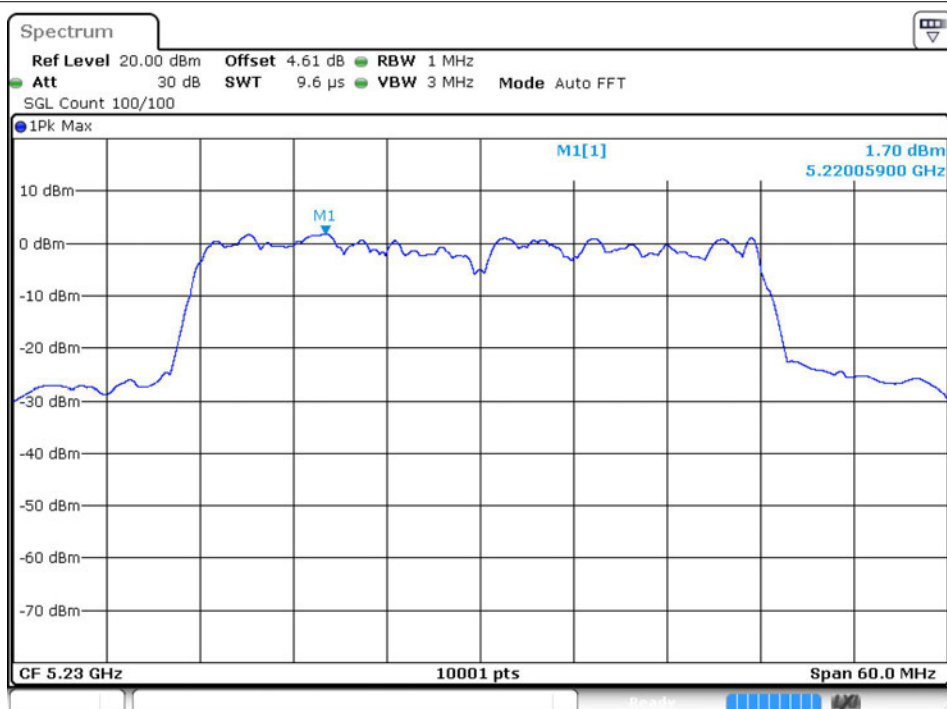
PSD NVNT n20 5320MHz Ant1



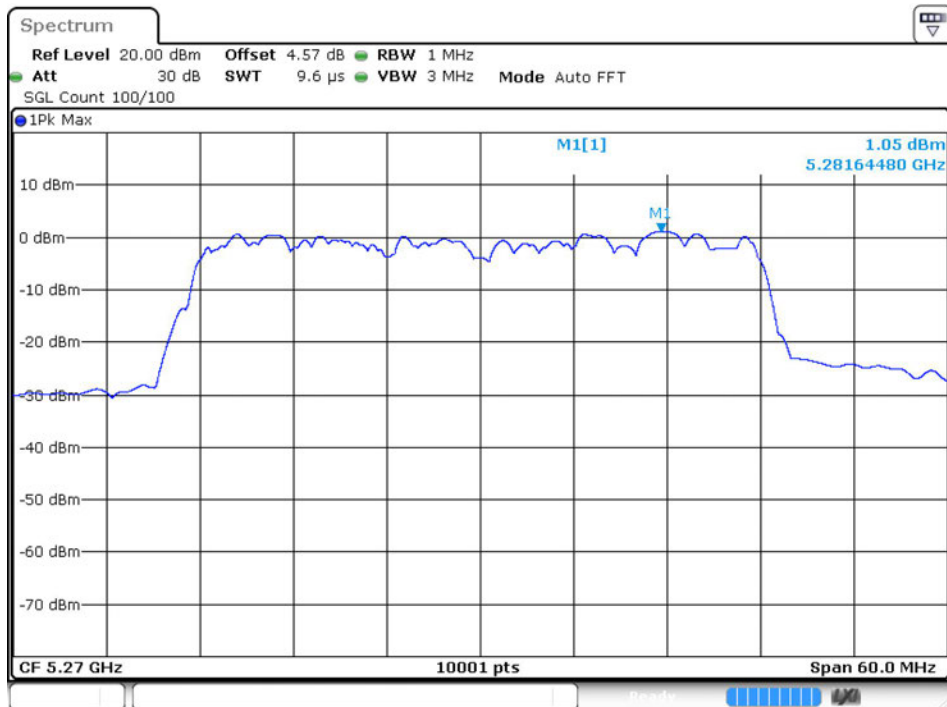
PSD NVNT n40 5190MHz Ant1



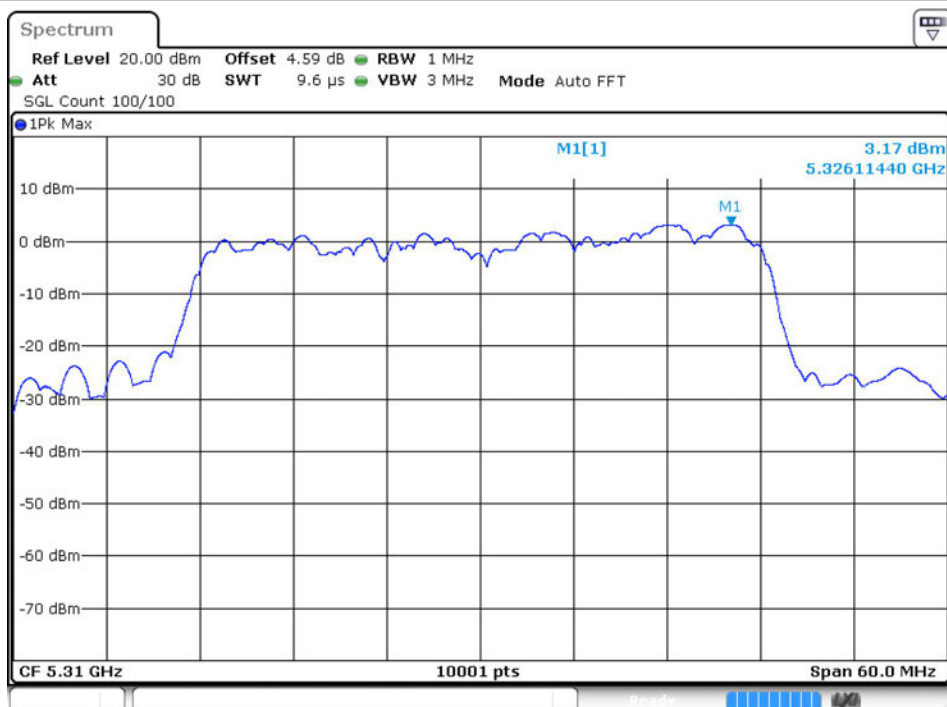
PSD NVNT n40 5230MHz Ant1



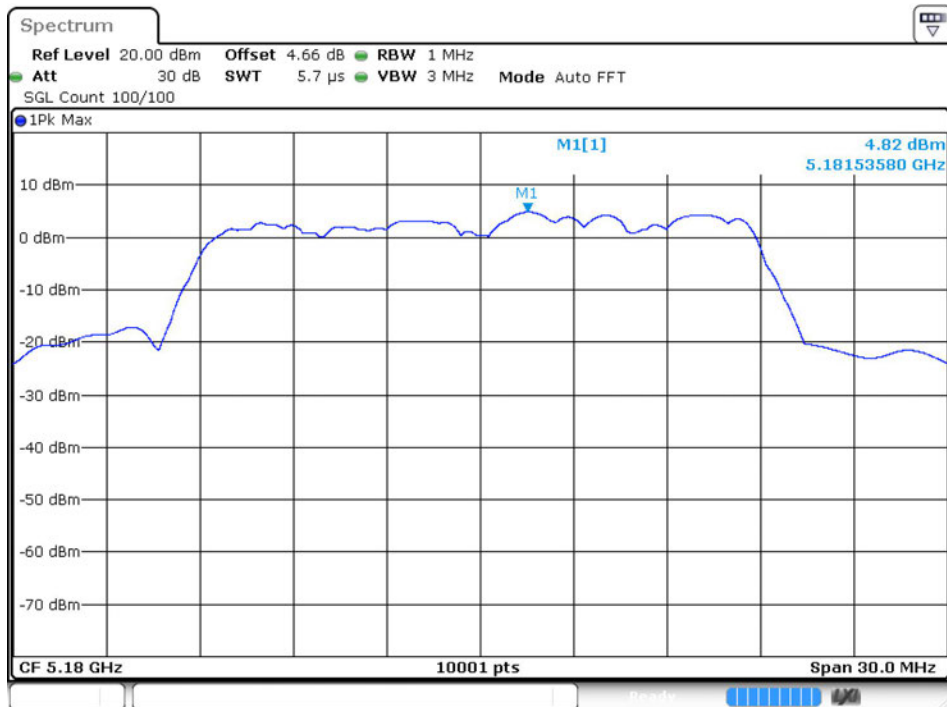
PSD NVNT n40 5270MHz Ant1



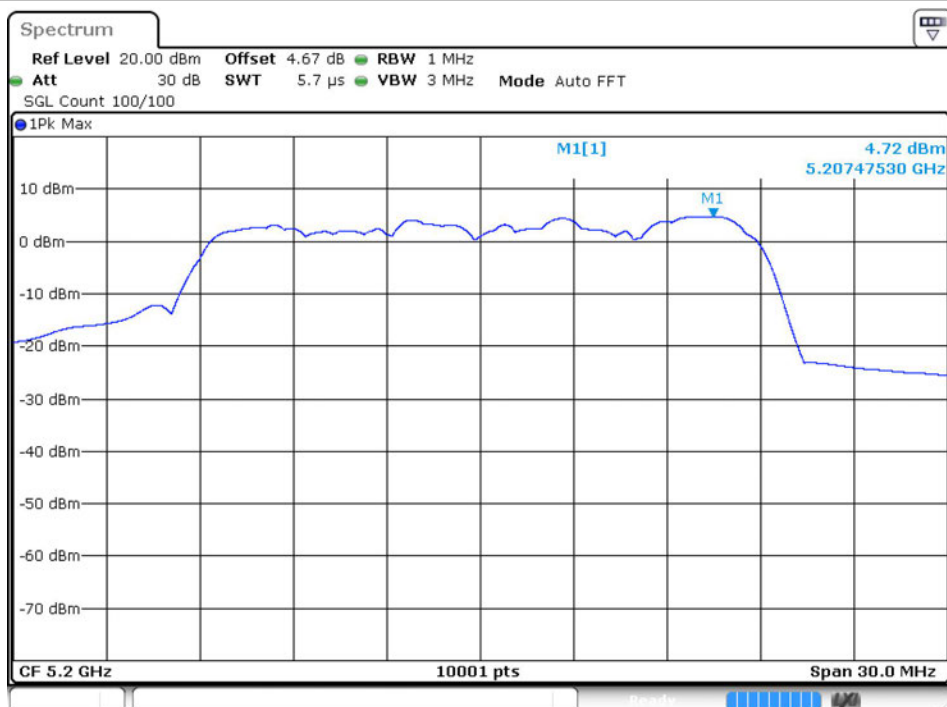
PSD NVNT n40 5310MHz Ant1



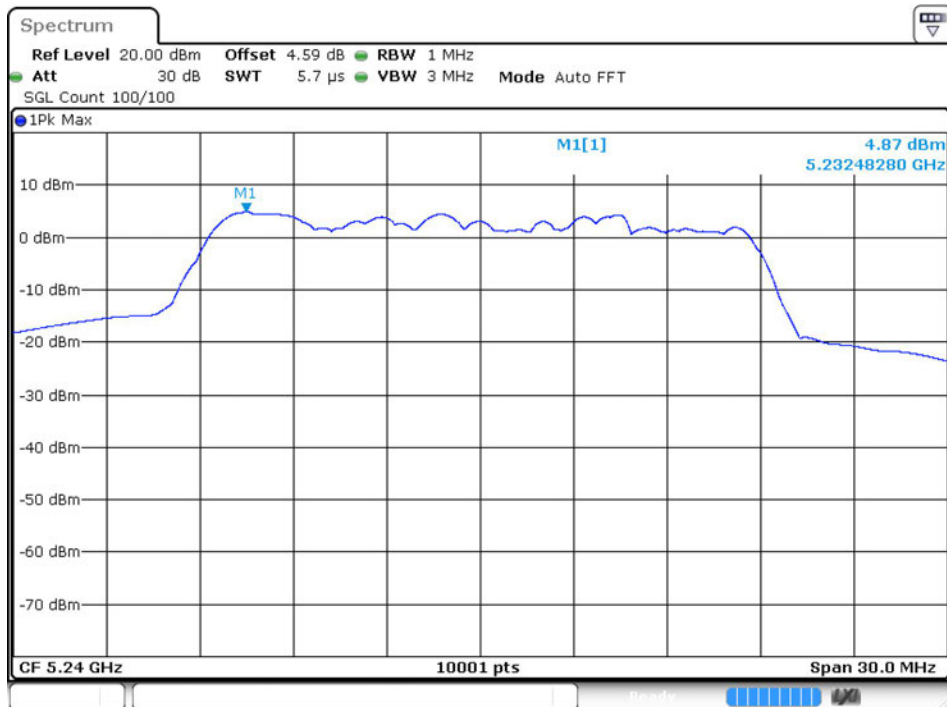
PSD NVNT ac20 5180MHz Ant1



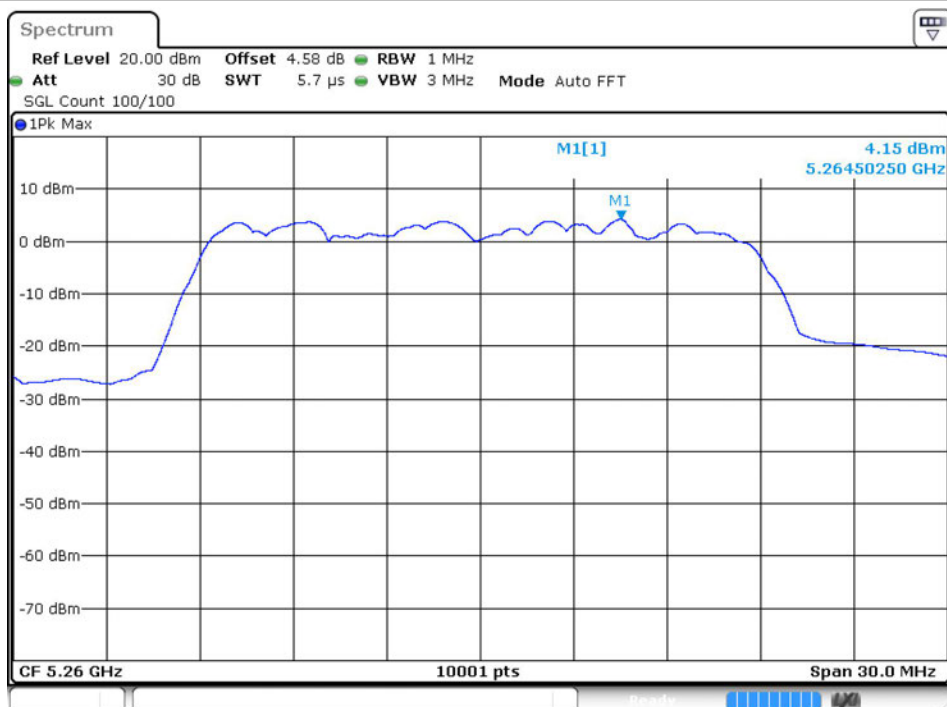
PSD NVNT ac20 5200MHz Ant1



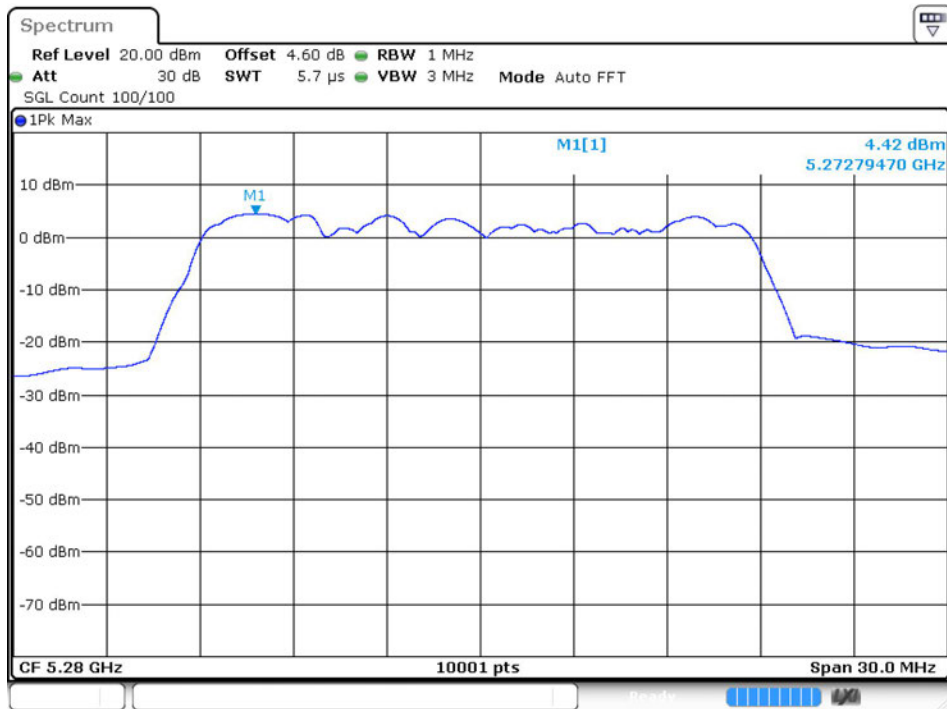
PSD NVNT ac20 5240MHz Ant1



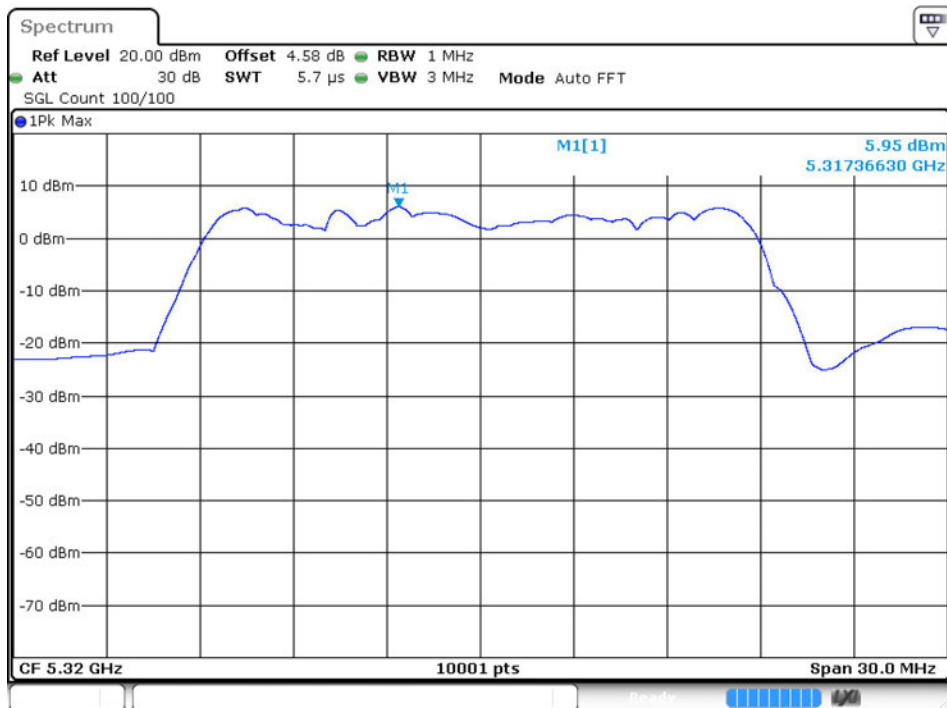
PSD NVNT ac20 5260MHz Ant1



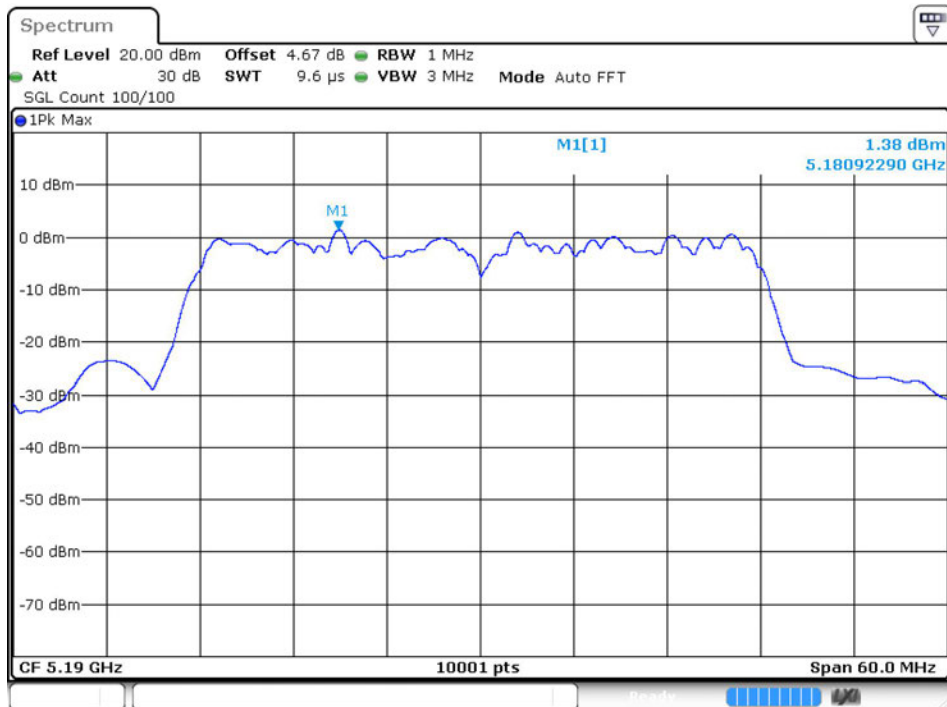
PSD NVNT ac20 5280MHz Ant1



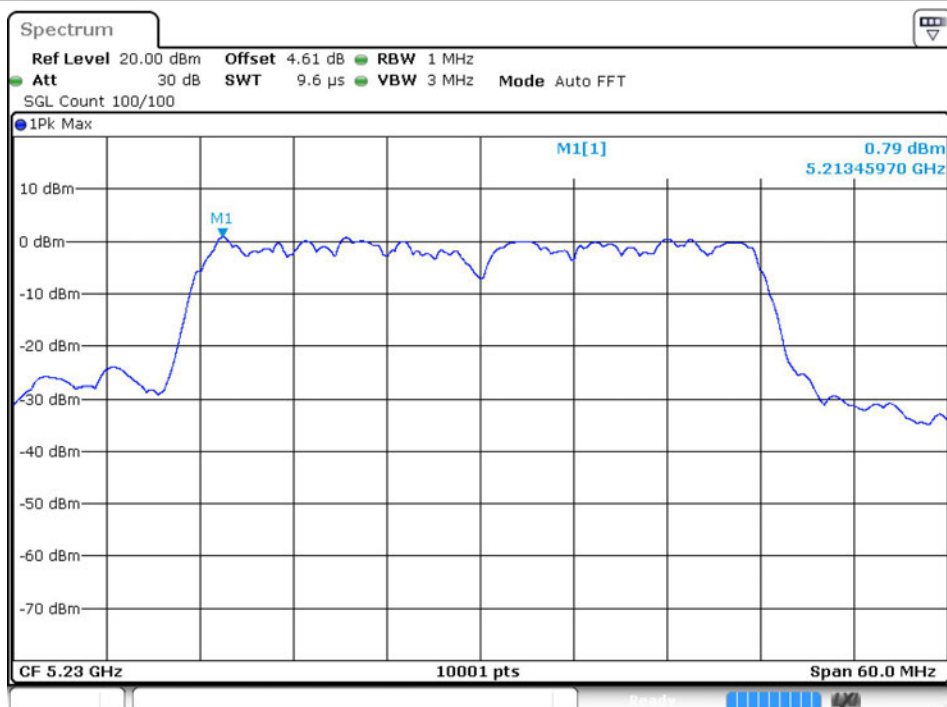
PSD NVNT ac20 5320MHz Ant1



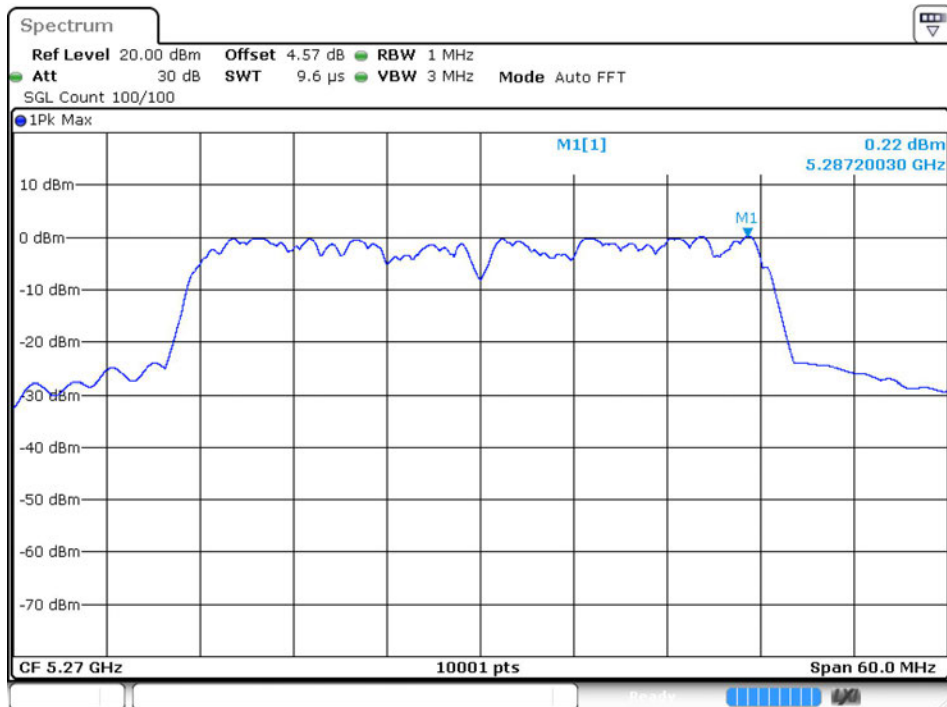
PSD NVNT ac40 5190MHz Ant1



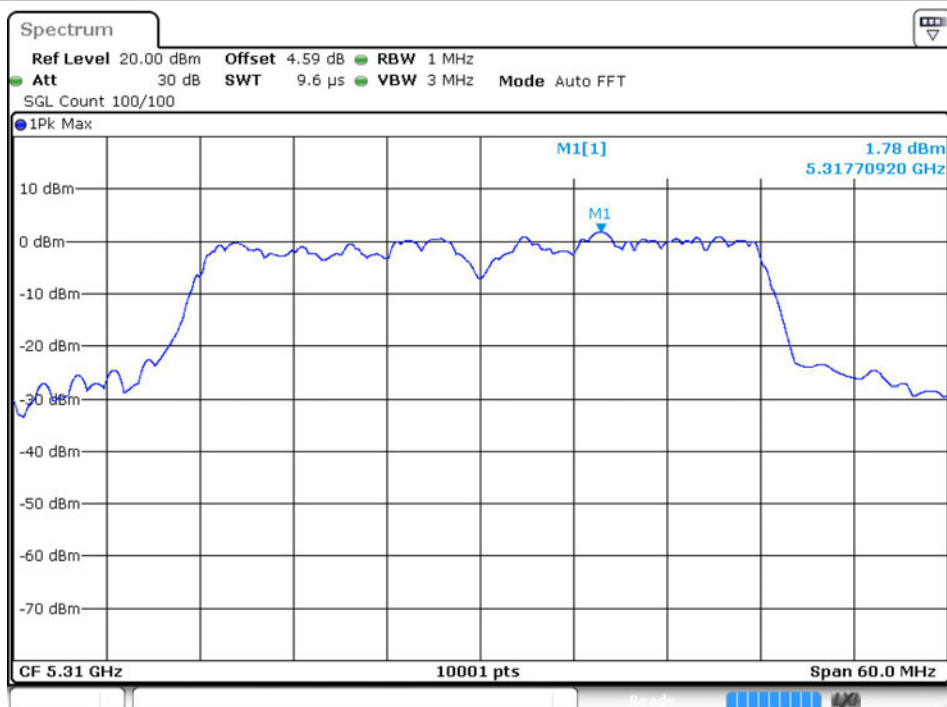
PSD NVNT ac40 5230MHz Ant1



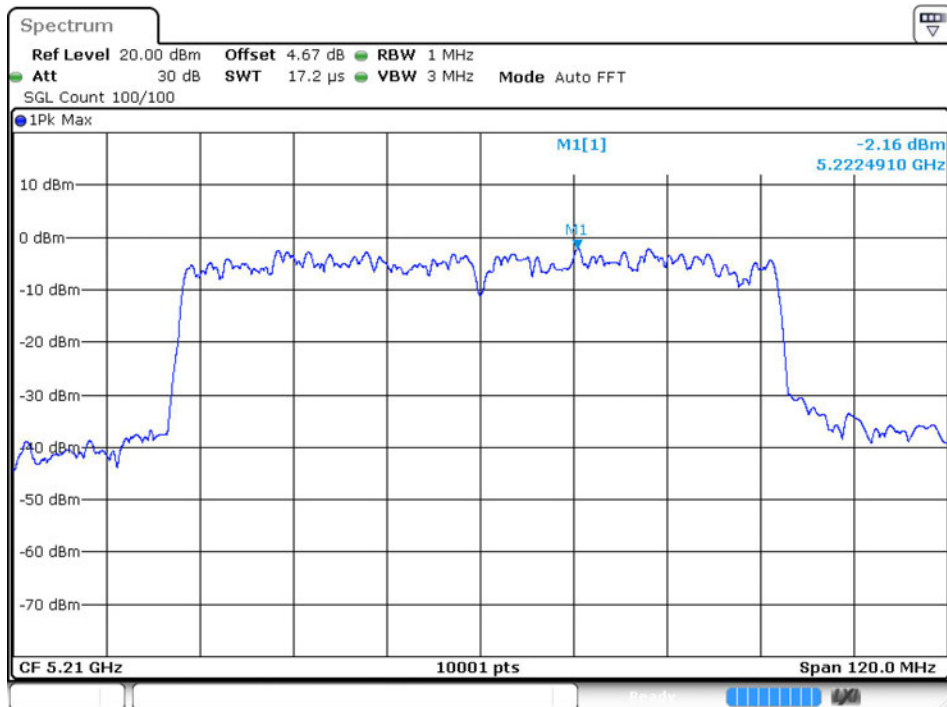
PSD NVNT ac40 5270MHz Ant1



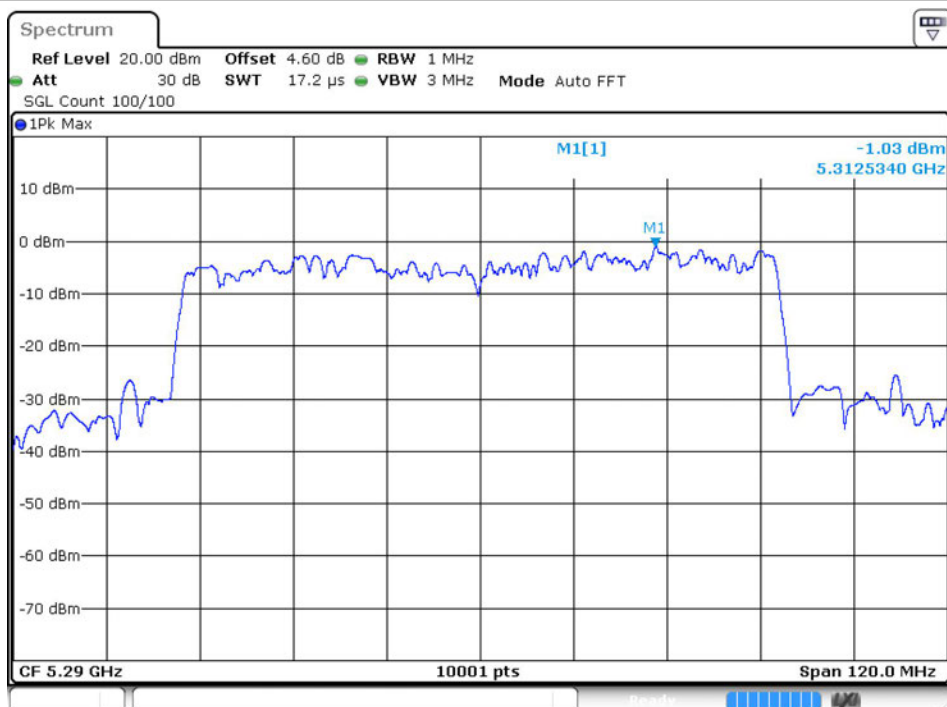
PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5290MHz Ant1

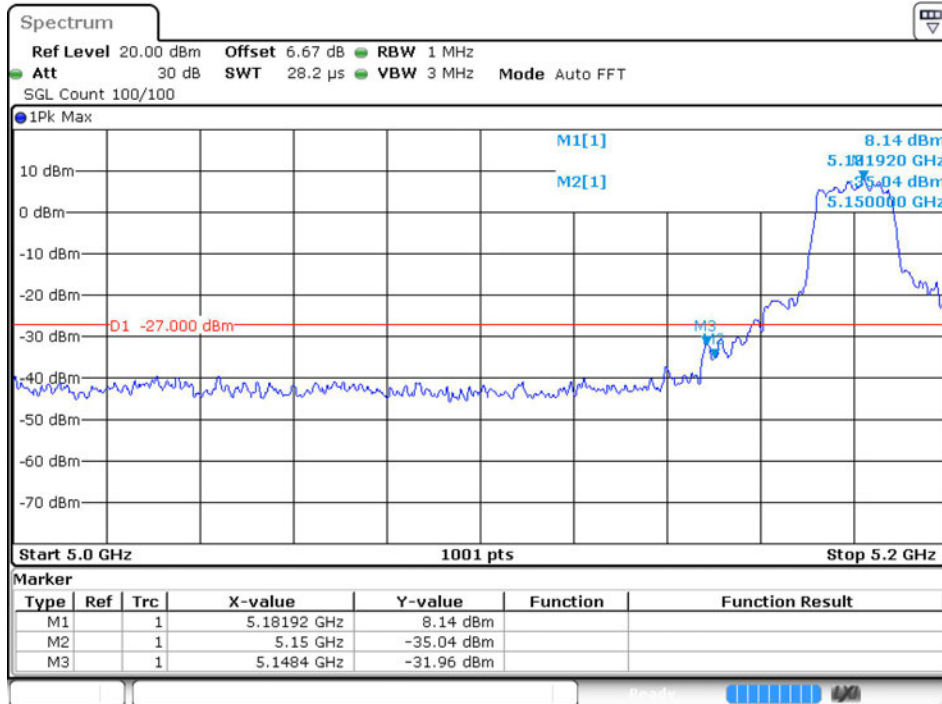


6.Band Edge

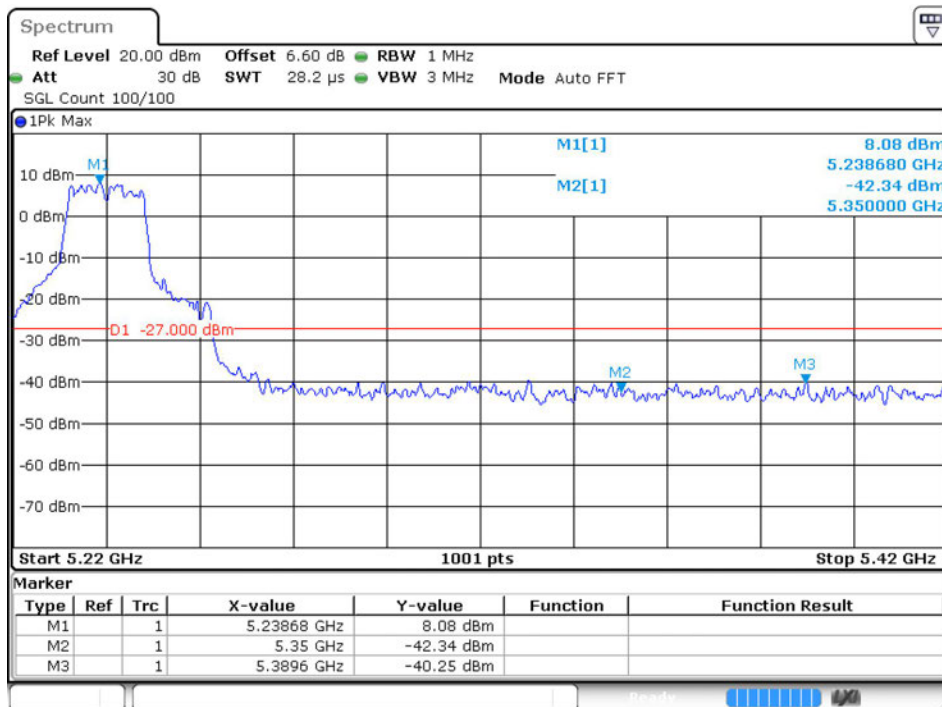
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
802.11a	5180	Ant1	-31.95	-27	Pass
802.11a	5240	Ant1	-40.25	-27	Pass
802.11a	5260	Ant1	-40.38	-27	Pass
802.11a	5320	Ant1	-37.48	-27	Pass
802.11n20	5180	Ant1	-35.3	-27	Pass
802.11n20	5240	Ant1	-40.2	-27	Pass
802.11n20	5260	Ant1	-40.47	-27	Pass
802.11n20	5320	Ant1	-33.82	-27	Pass
802.11n40	5190	Ant1	-33.62	-27	Pass
802.11n40	5230	Ant1	-39.57	-27	Pass
802.11n40	5270	Ant1	-40.43	-27	Pass
802.11n40	5310	Ant1	-28.09	-27	Pass
802.11ac20	5180	Ant1	-36.1	-27	Pass
802.11ac20	5240	Ant1	-40.05	-27	Pass
802.11ac20	5260	Ant1	-39.99	-27	Pass
802.11ac20	5320	Ant1	-36.24	-27	Pass
802.11ac40	5190	Ant1	-37.12	-27	Pass
802.11ac40	5230	Ant1	-40.29	-27	Pass
802.11ac40	5270	Ant1	-41.08	-27	Pass
802.11ac40	5310	Ant1	-31.4	-27	Pass
802.11ac80	5210	Ant1	-37.99	-27	Pass
802.11ac80	5290	Ant1	-33.25	-27	Pass

Test Graphs

Band Edge NVNT a 5180MHz Low Ant1



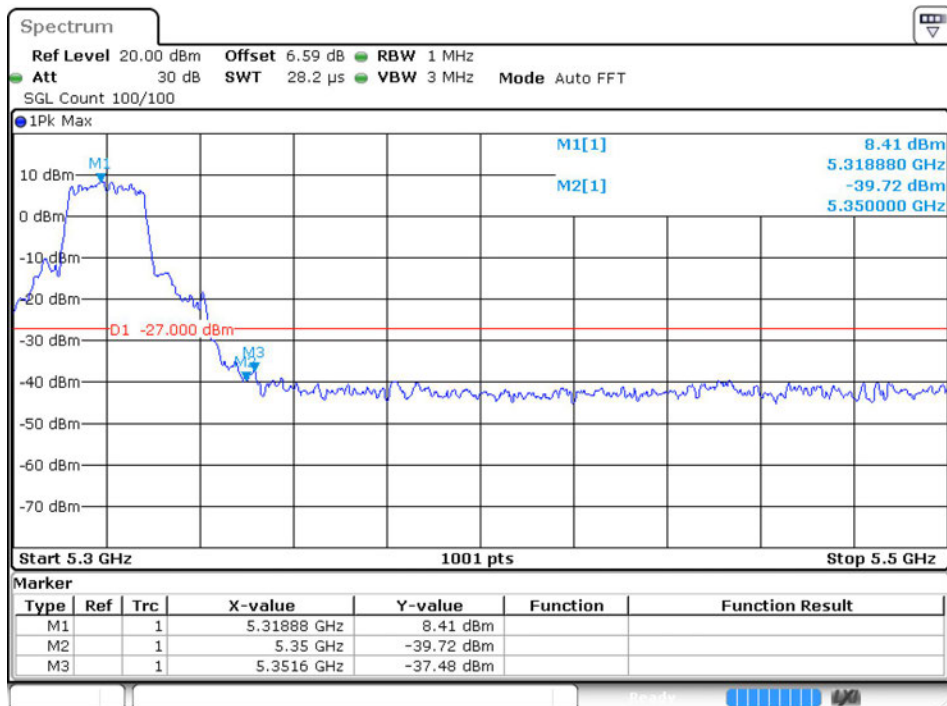
Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT a 5260MHz Low Ant1



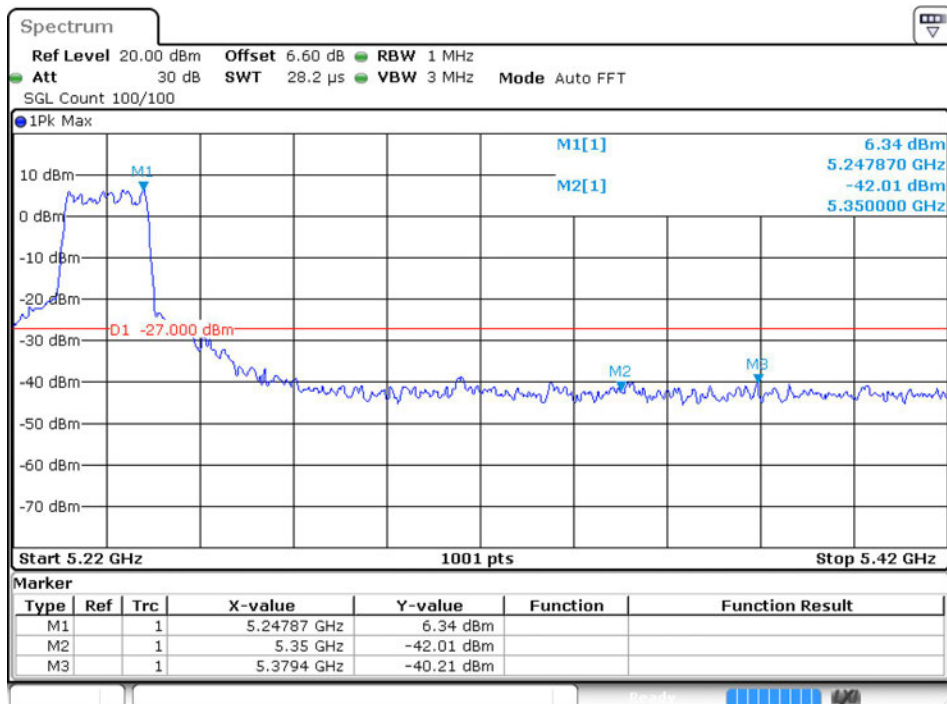
Band Edge NVNT a 5320MHz High Ant1



Band Edge NVNT n20 5180MHz Low Ant1



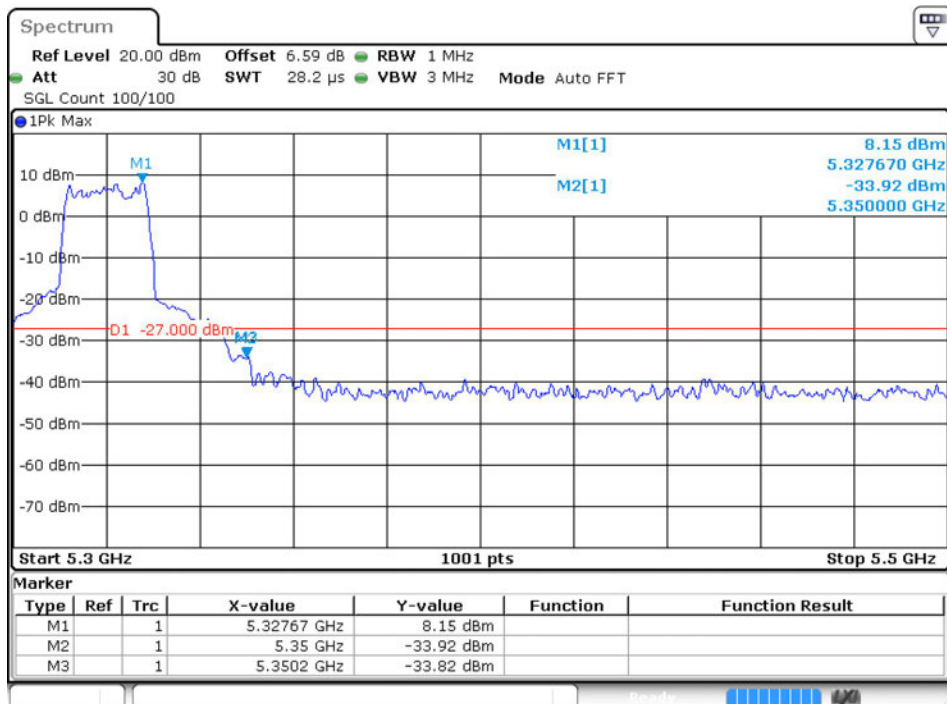
Band Edge NVNT n20 5240MHz High Ant1



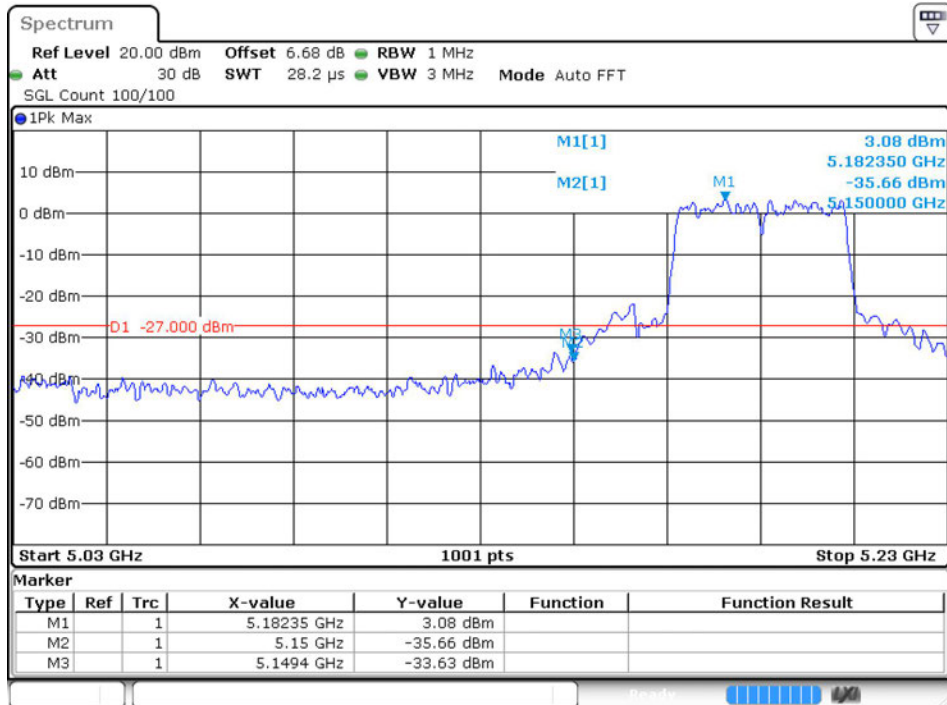
Band Edge NVNT n20 5260MHz Low Ant1



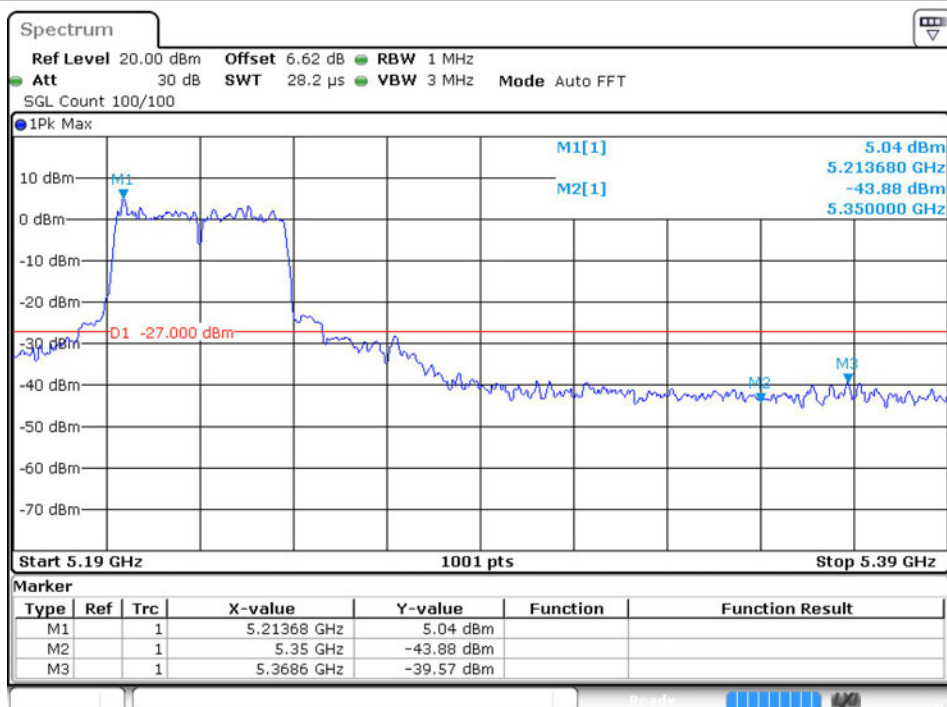
Band Edge NVNT n20 5320MHz High Ant1



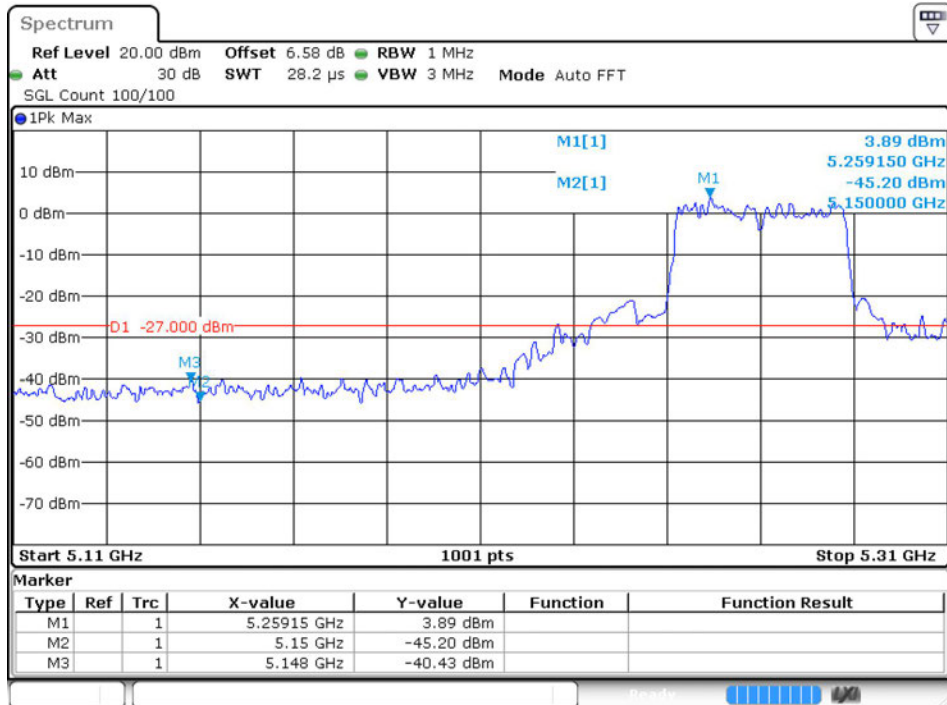
Band Edge NVNT n40 5190MHz Low Ant1



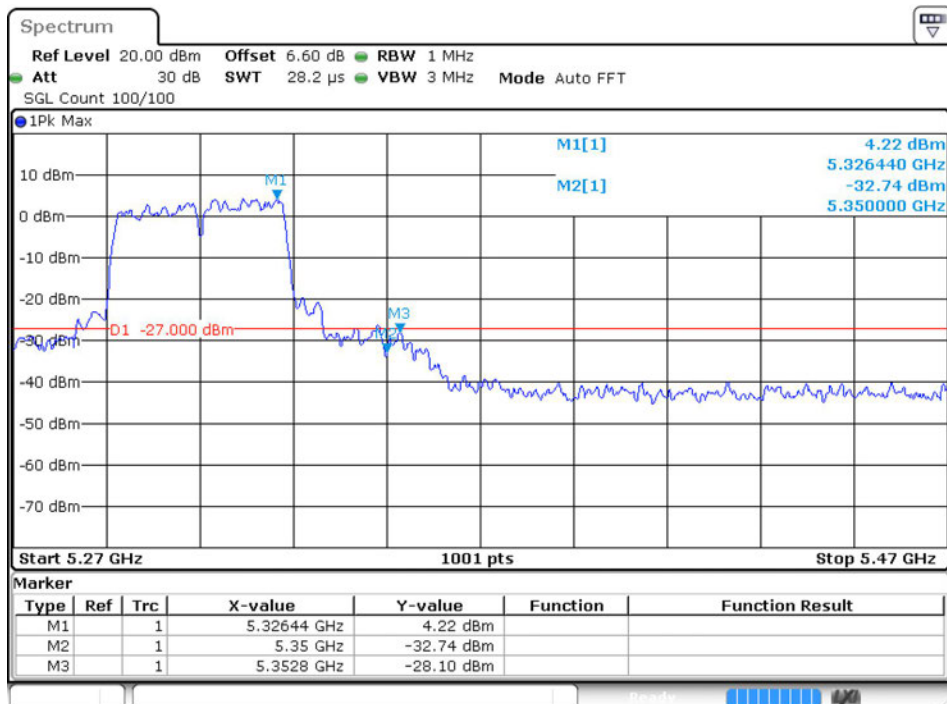
Band Edge NVNT n40 5230MHz High Ant1



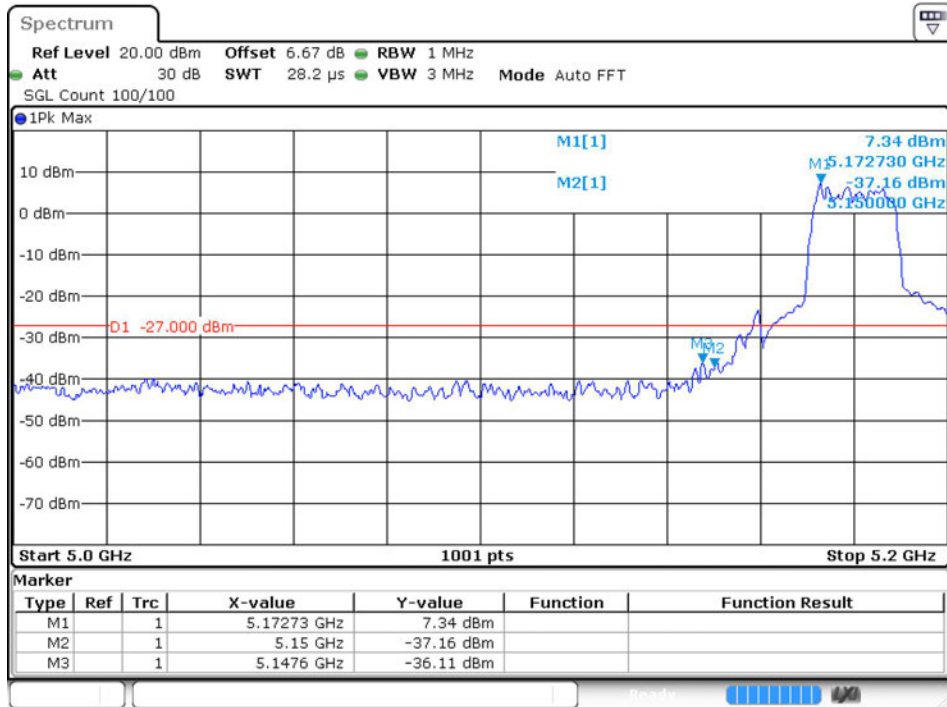
Band Edge NVNT n40 5270MHz Low Ant1



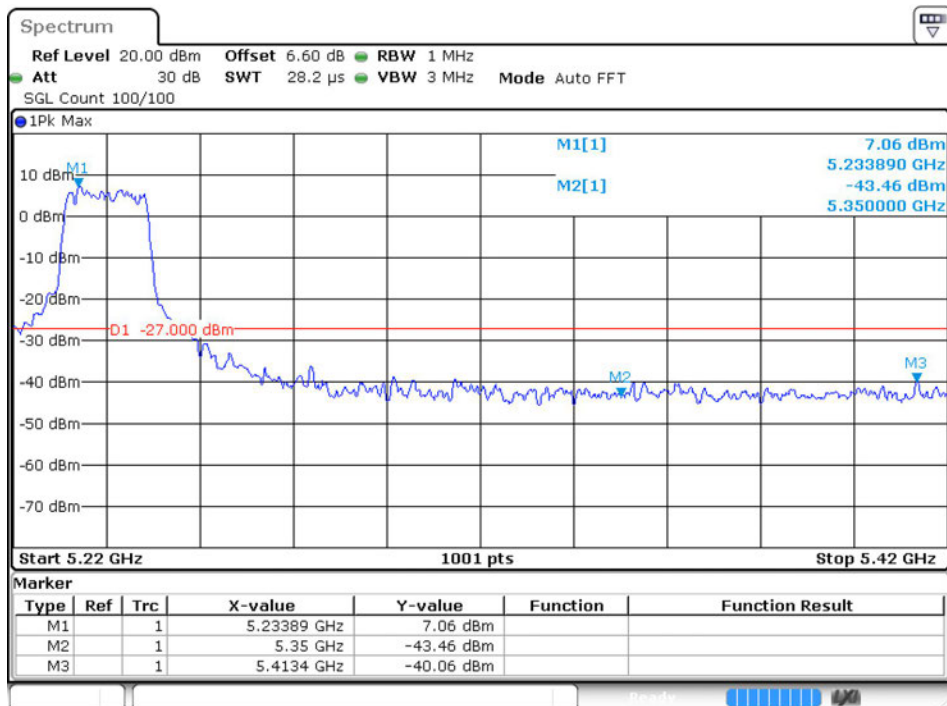
Band Edge NVNT n40 5310MHz High Ant1



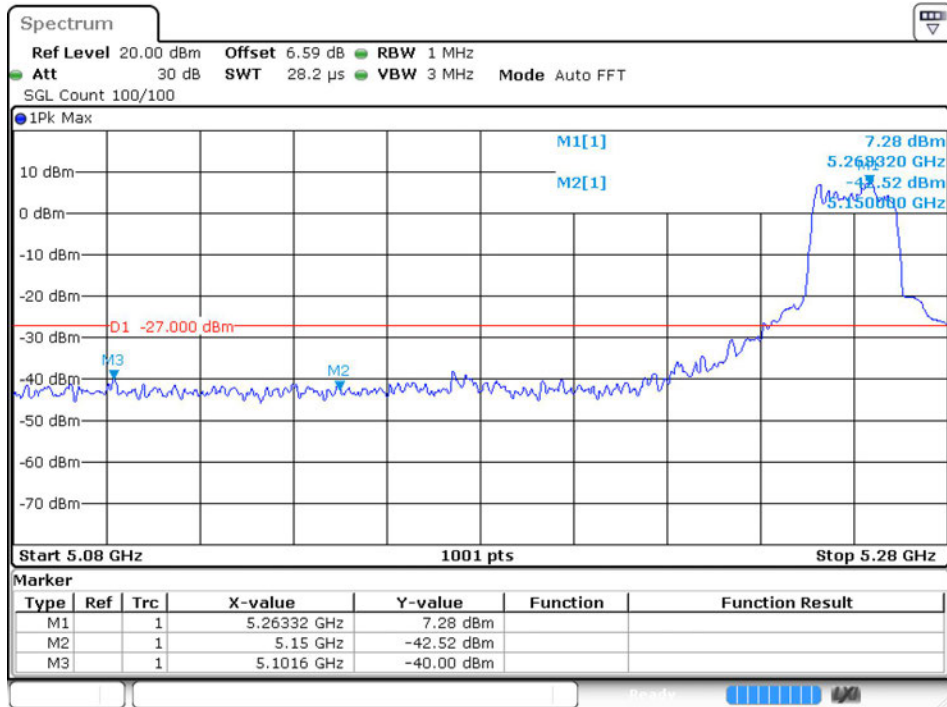
Band Edge NVNT ac20 5180MHz Low Ant1



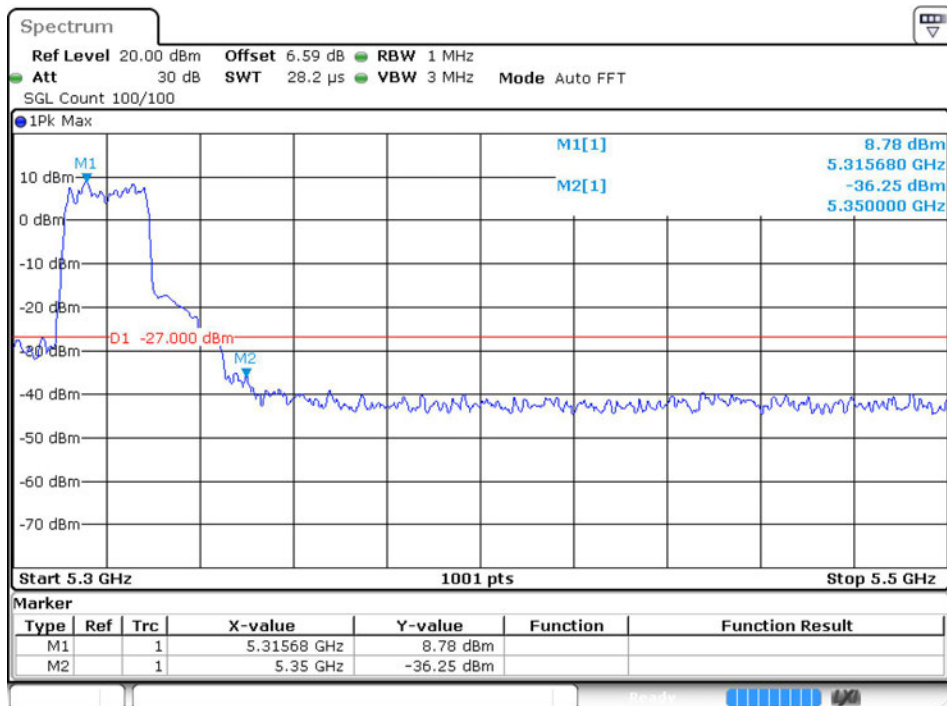
Band Edge NVNT ac20 5240MHz High Ant1



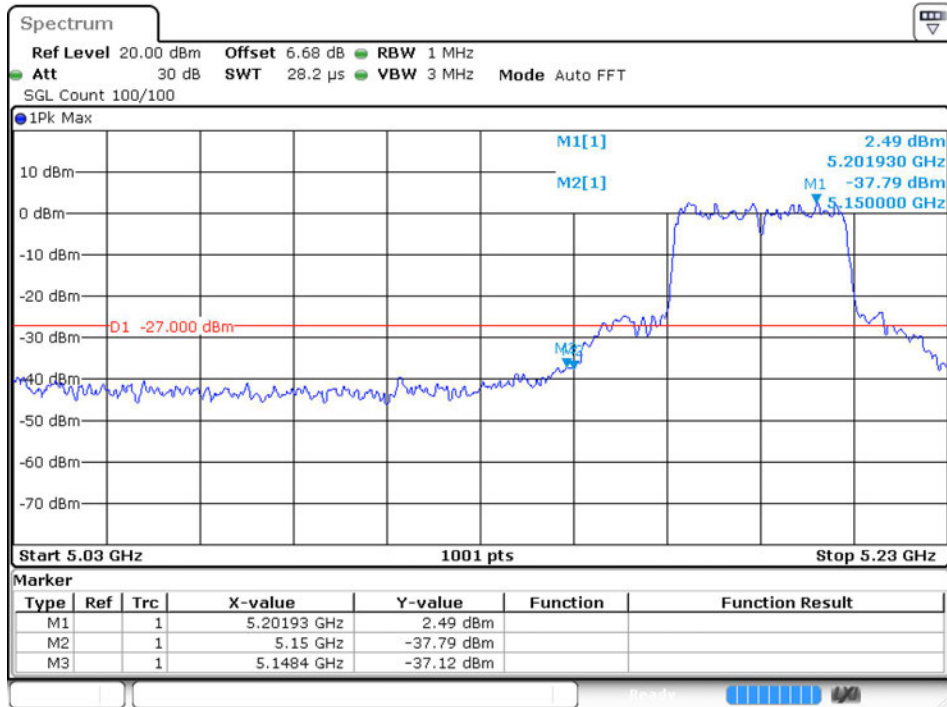
Band Edge NVNT ac20 5260MHz Low Ant1



Band Edge NVNT ac20 5320MHz High Ant1



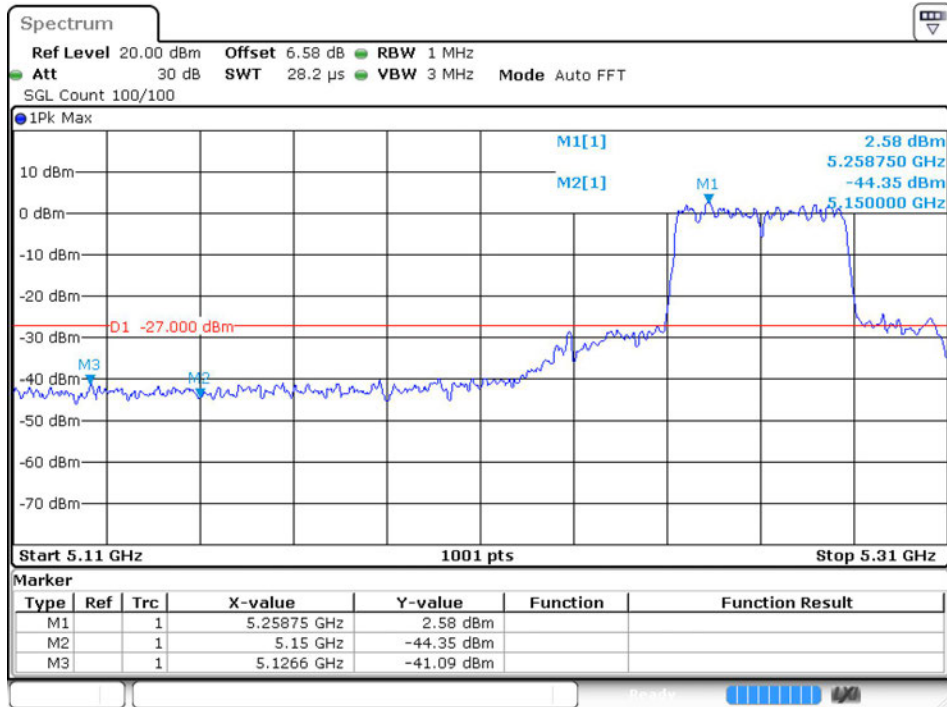
Band Edge NVNT ac40 5190MHz Low Ant1



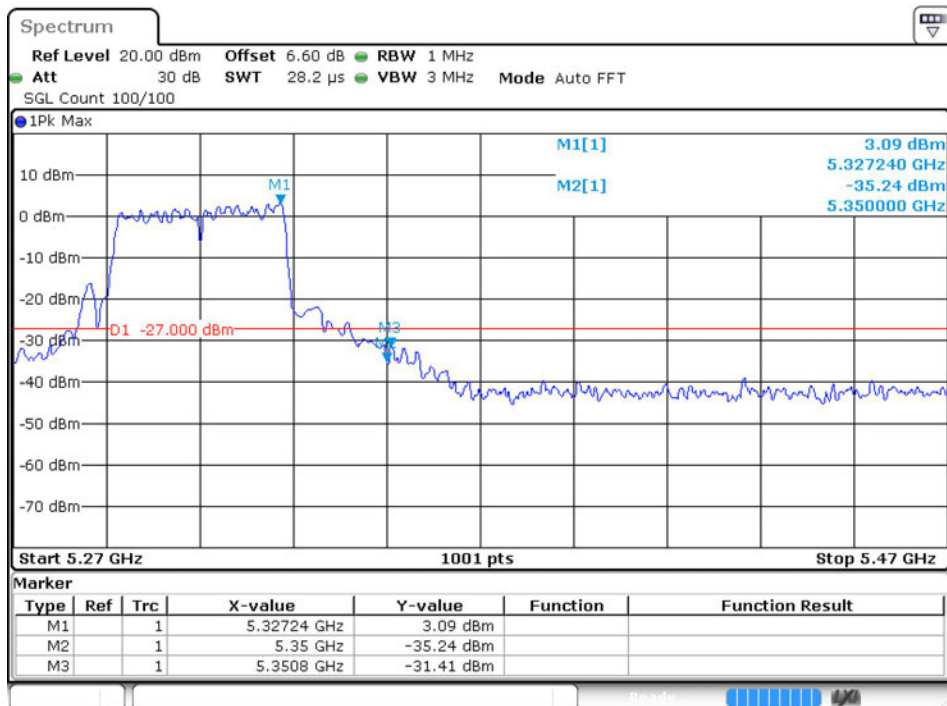
Band Edge NVNT ac40 5230MHz High Ant1



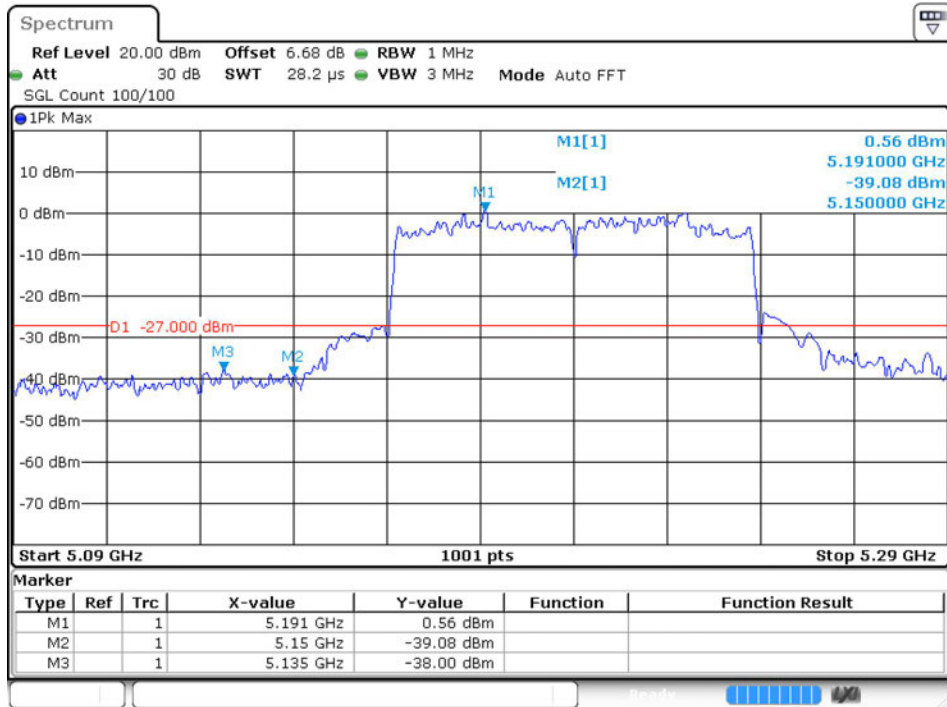
Band Edge NVNT ac40 5270MHz Low Ant1



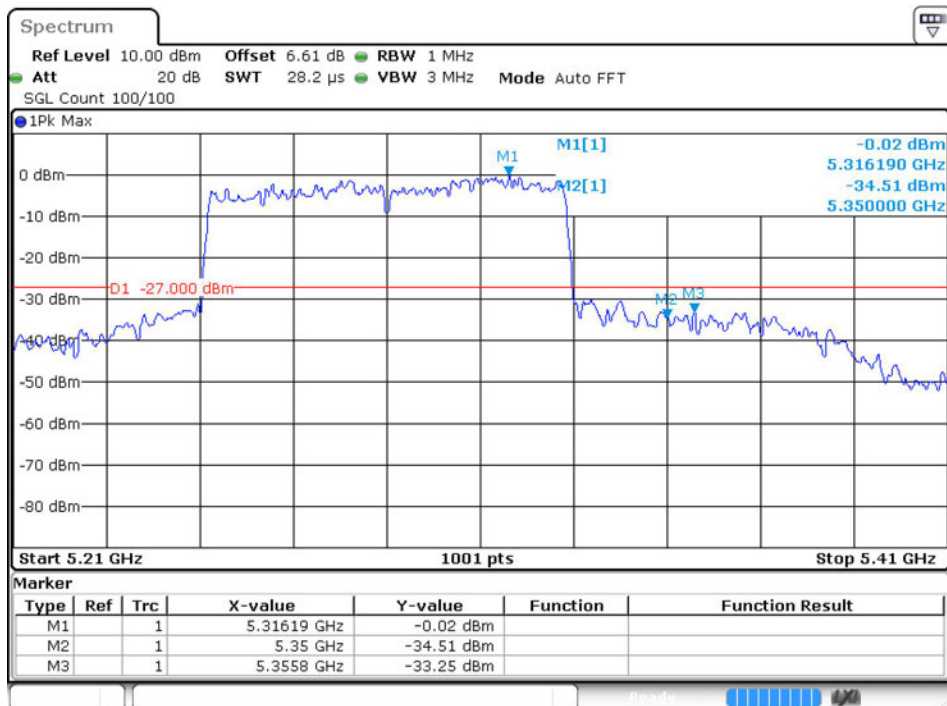
Band Edge NVNT ac40 5310MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant1



Band Edge NVNT ac80 5290MHz High Ant1



7.Frequency Stability

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5180	5179.96	-40000	-7.72	25	Pass
20C 120V	a	5180	5179.98	-20000	-3.86	25	Pass
20C 138V	a	5180	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	5180	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	5179.96	-40000	-7.72	25	Pass
0C 120V	a	5180	5180	0	0	25	Pass
10C 120V	a	5180	5179.96	-40000	-7.72	25	Pass
30C 120V	a	5180	5179.98	-20000	-3.86	25	Pass
40C 120V	a	5180	5179.98	-20000	-3.86	25	Pass
50C 120V	a	5180	5179.98	-20000	-3.86	25	Pass
20C 102V	a	5200	5200	0	0	25	Pass
20C 120V	a	5200	5199.98	-20000	-3.85	25	Pass
20C 138V	a	5200	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	5200	5199.98	-20000	-3.85	25	Pass
-10C 120V	a	5200	5199.98	-20000	-3.85	25	Pass
0C 120V	a	5200	5199.98	-20000	-3.85	25	Pass
10C 120V	a	5200	5199.96	-40000	-7.69	25	Pass
30C 120V	a	5200	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	5200	0	0	25	Pass
50C 120V	a	5200	5200	0	0	25	Pass
20C 102V	a	5240	5239.96	-40000	-7.63	25	Pass
20C 120V	a	5240	5240	0	0	25	Pass
20C 138V	a	5240	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	5240	5240	0	0	25	Pass
-10C 120V	a	5240	5239.98	-20000	-3.82	25	Pass
0C 120V	a	5240	5240	0	0	25	Pass
10C 120V	a	5240	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	5239.98	-20000	-3.82	25	Pass
20C 102V	a	5260	5260	0	0	25	Pass
20C 120V	a	5260	5260	0	0	25	Pass
20C 138V	a	5260	5259.98	-20000	-3.8	25	Pass
-20C 120V	a	5260	5260	0	0	25	Pass
-10C 120V	a	5260	5259.98	-20000	-3.8	25	Pass
0C 120V	a	5260	5259.98	-20000	-3.8	25	Pass
10C 120V	a	5260	5259.96	-40000	-7.6	25	Pass
30C 120V	a	5260	5260	0	0	25	Pass
40C 120V	a	5260	5260	0	0	25	Pass

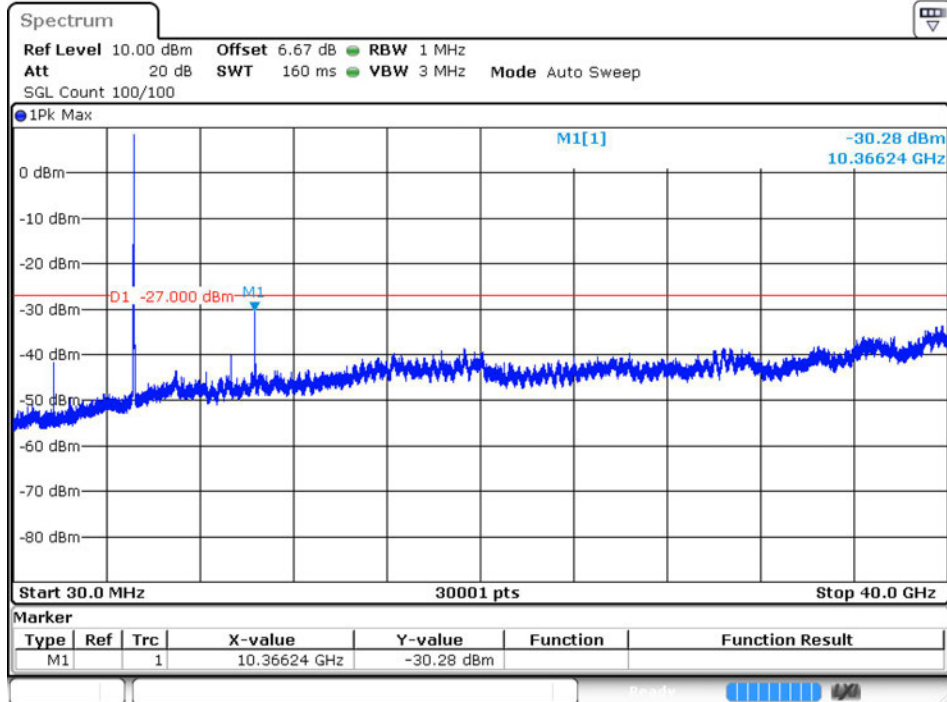
50C 120V	a	5260	5259.98	-20000	-3.8	25	Pass
20C 102V	a	5280	5279.96	-40000	-7.58	25	Pass
20C 120V	a	5280	5280	0	0	25	Pass
20C 138V	a	5280	5280	0	0	25	Pass
-20C 120V	a	5280	5279.96	-40000	-7.58	25	Pass
-10C 120V	a	5280	5279.96	-40000	-7.58	25	Pass
0C 120V	a	5280	5280	0	0	25	Pass
10C 120V	a	5280	5279.98	-20000	-3.79	25	Pass
30C 120V	a	5280	5279.98	-20000	-3.79	25	Pass
40C 120V	a	5280	5280	0	0	25	Pass
50C 120V	a	5280	5279.96	-40000	-7.58	25	Pass
20C 102V	a	5320	5319.98	-20000	-3.76	25	Pass
20C 120V	a	5320	5319.98	-20000	-3.76	25	Pass
20C 138V	a	5320	5320	0	0	25	Pass
-20C 120V	a	5320	5319.96	-40000	-7.52	25	Pass
-10C 120V	a	5320	5319.96	-40000	-7.52	25	Pass
0C 120V	a	5320	5319.98	-20000	-3.76	25	Pass
10C 120V	a	5320	5319.96	-40000	-7.52	25	Pass
30C 120V	a	5320	5319.98	-20000	-3.76	25	Pass
40C 120V	a	5320	5320	0	0	25	Pass
50C 120V	a	5320	5319.98	-20000	-3.76	25	Pass

8. Conducted RF Spurious Emission

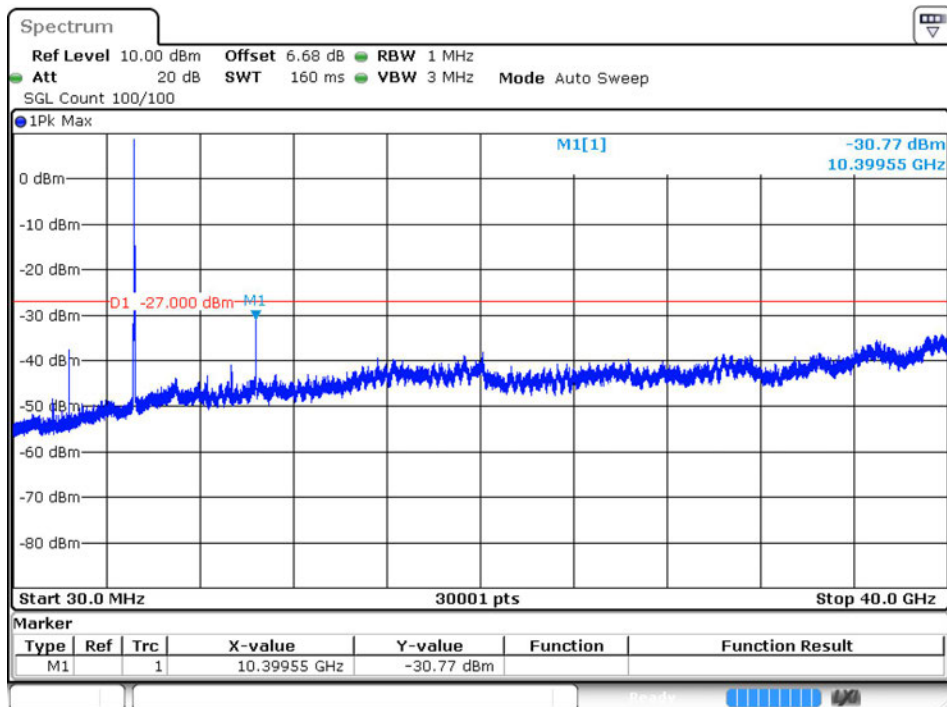
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
802.11a	5180	Ant1	-30.28	-27	Pass
802.11a	5200	Ant1	-30.77	-27	Pass
802.11a	5240	Ant1	-30.39	-27	Pass
802.11a	5260	Ant1	-31.4	-27	Pass
802.11a	5280	Ant1	-33.96	-27	Pass
802.11a	5320	Ant1	-33.71	-27	Pass
802.11n20	5180	Ant1	-30.3	-27	Pass
802.11n20	5200	Ant1	-31.84	-27	Pass
802.11n20	5240	Ant1	-31.15	-27	Pass
802.11n20	5260	Ant1	-32.7	-27	Pass
802.11n20	5280	Ant1	-33.88	-27	Pass
802.11n20	5320	Ant1	-33.95	-27	Pass
802.11n40	5190	Ant1	-33.4	-27	Pass
802.11n40	5230	Ant1	-33.57	-27	Pass
802.11n40	5270	Ant1	-33.47	-27	Pass
802.11n40	5310	Ant1	-33.53	-27	Pass
802.11ac20	5180	Ant1	-31.21	-27	Pass
802.11ac20	5200	Ant1	-31.4	-27	Pass
802.11ac20	5240	Ant1	-30.01	-27	Pass
802.11ac20	5260	Ant1	-33.12	-27	Pass
802.11ac20	5280	Ant1	-33.77	-27	Pass
802.11ac20	5320	Ant1	-33.43	-27	Pass
802.11ac40	5190	Ant1	-33.26	-27	Pass
802.11ac40	5230	Ant1	-33.95	-27	Pass
802.11ac40	5270	Ant1	-33.36	-27	Pass
802.11ac40	5310	Ant1	-33.56	-27	Pass
802.11ac80	5210	Ant1	-31.45	-27	Pass
802.11ac80	5290	Ant1	-33.45	-27	Pass

Test Graphs

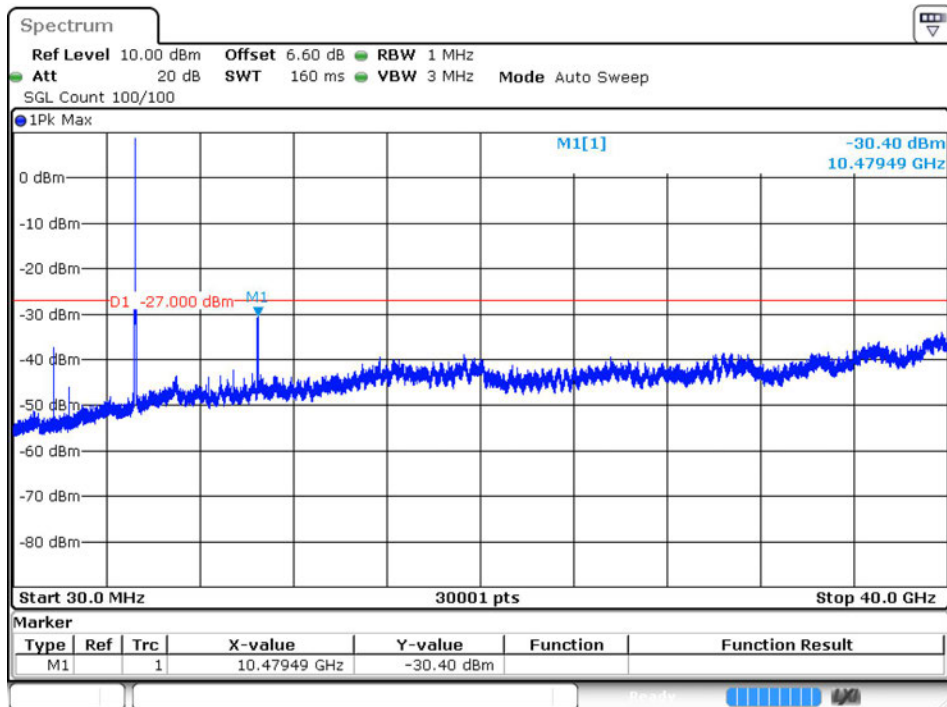
Tx. Spurious NVNT a 5180MHz Ant1 Emission



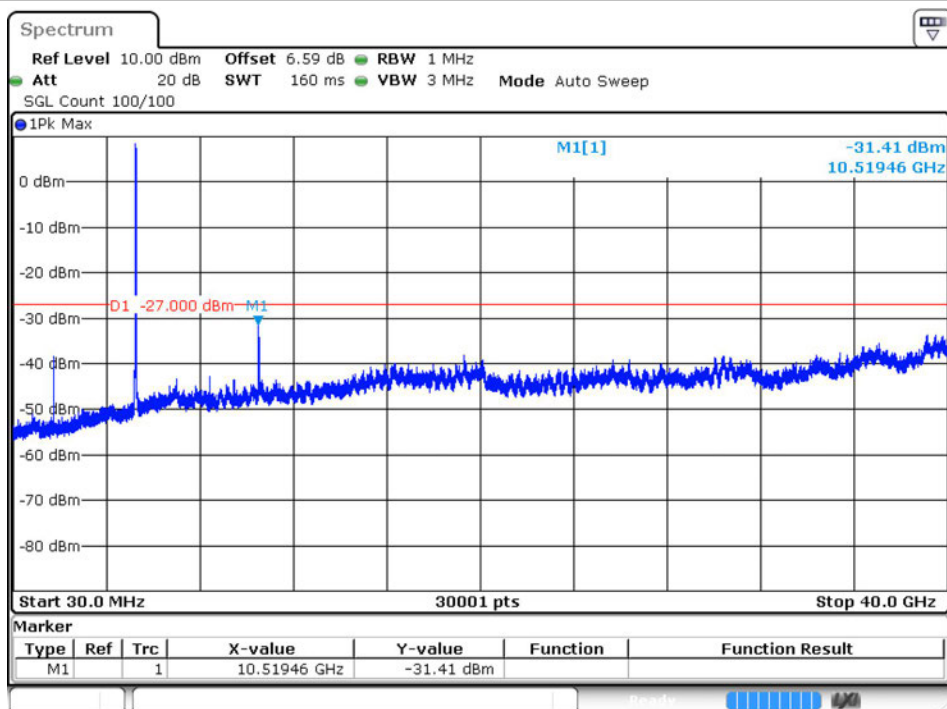
Tx. Spurious NVNT a 5200MHz Ant1 Emission



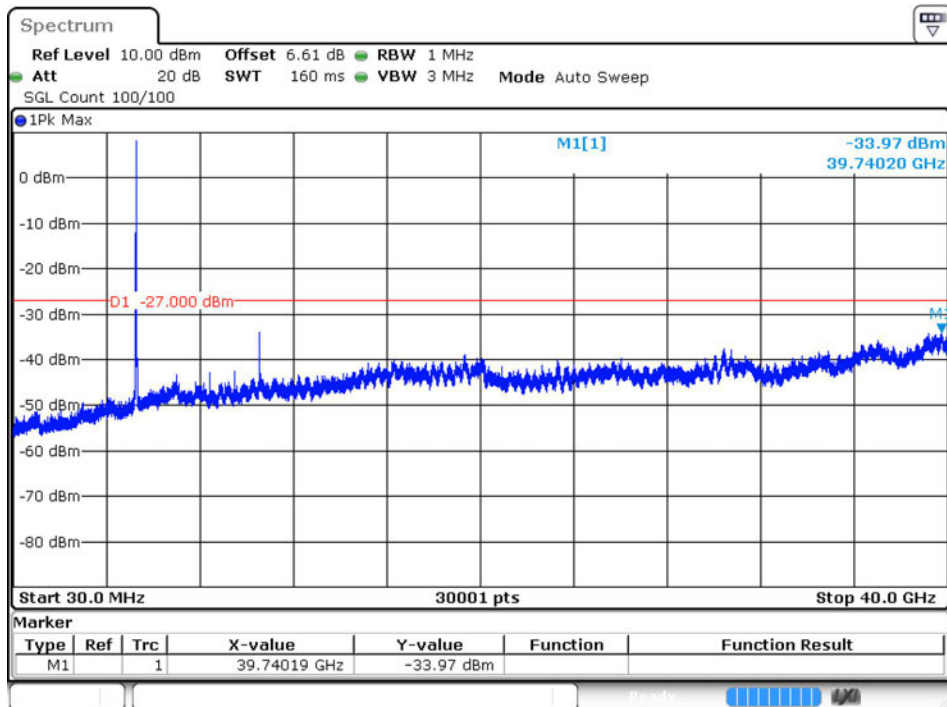
Tx. Spurious NVNT a 5240MHz Ant1 Emission



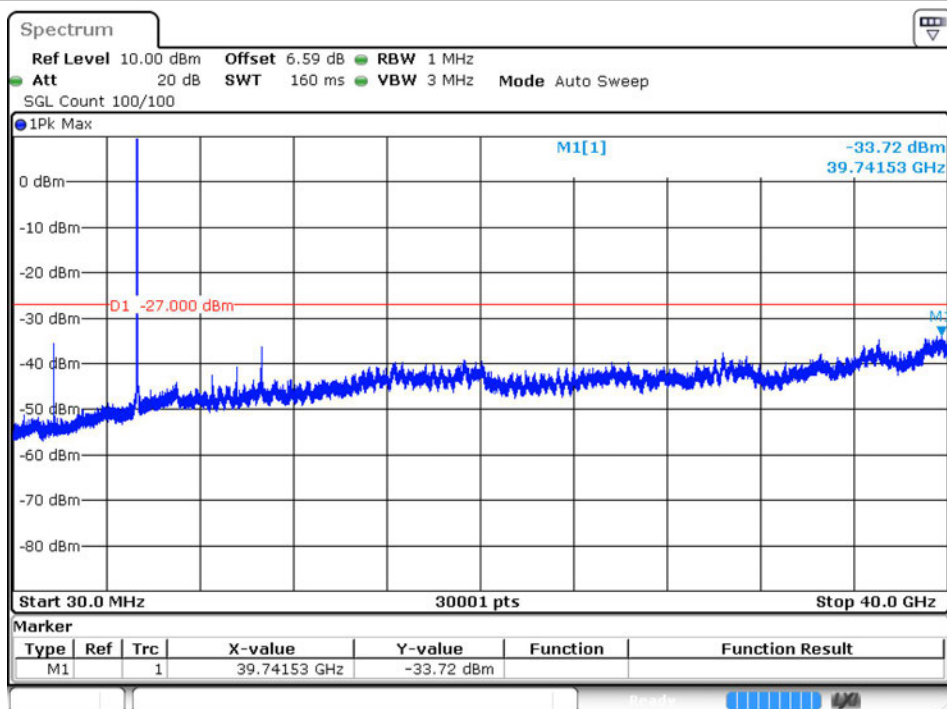
Tx. Spurious NVNT a 5260MHz Ant1 Emission



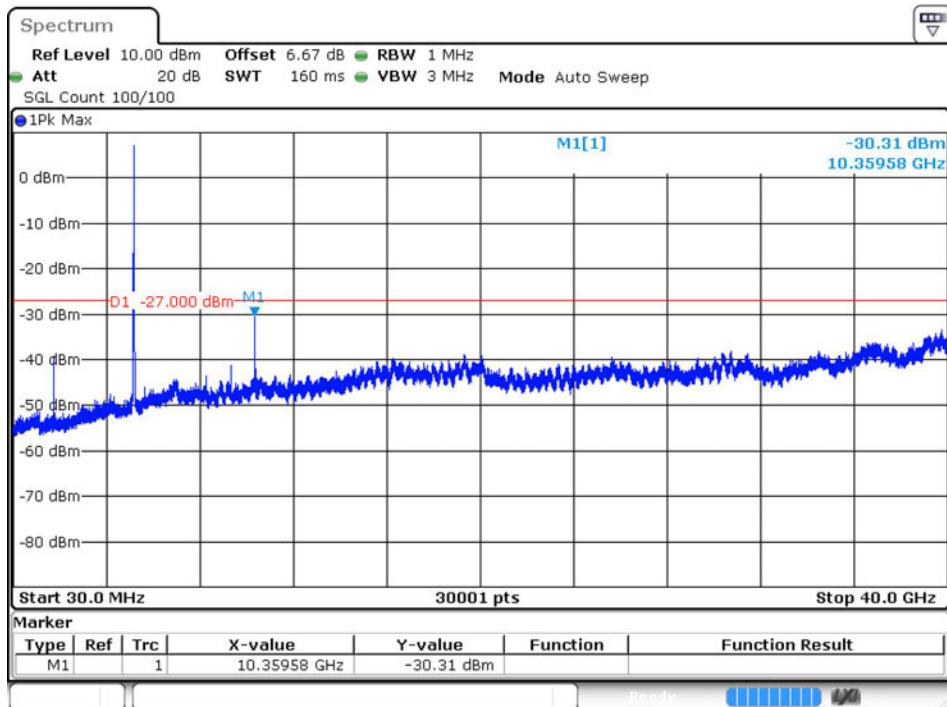
Tx. Spurious NVNT a 5280MHz Ant1 Emission



Tx. Spurious NVNT a 5320MHz Ant1 Emission



Tx. Spurious NVNT n20 5180MHz Ant1 Emission



Tx. Spurious NVNT n20 5200MHz Ant1 Emission

