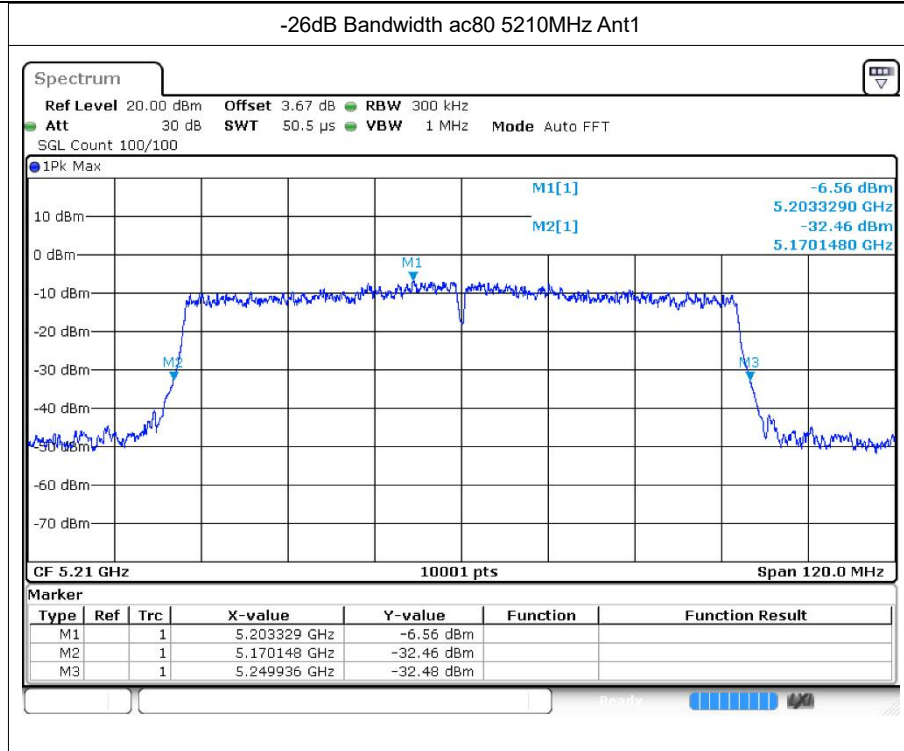
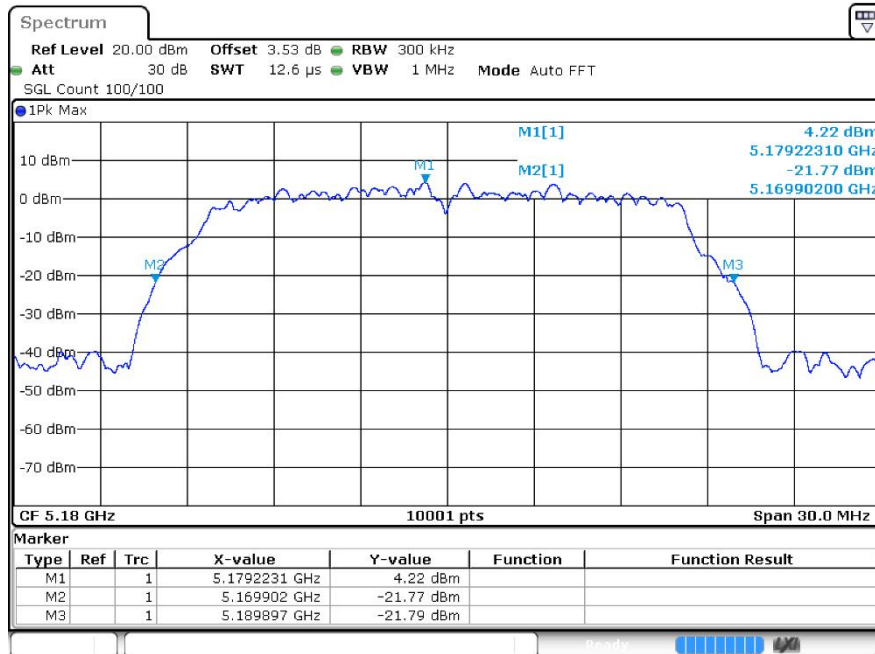
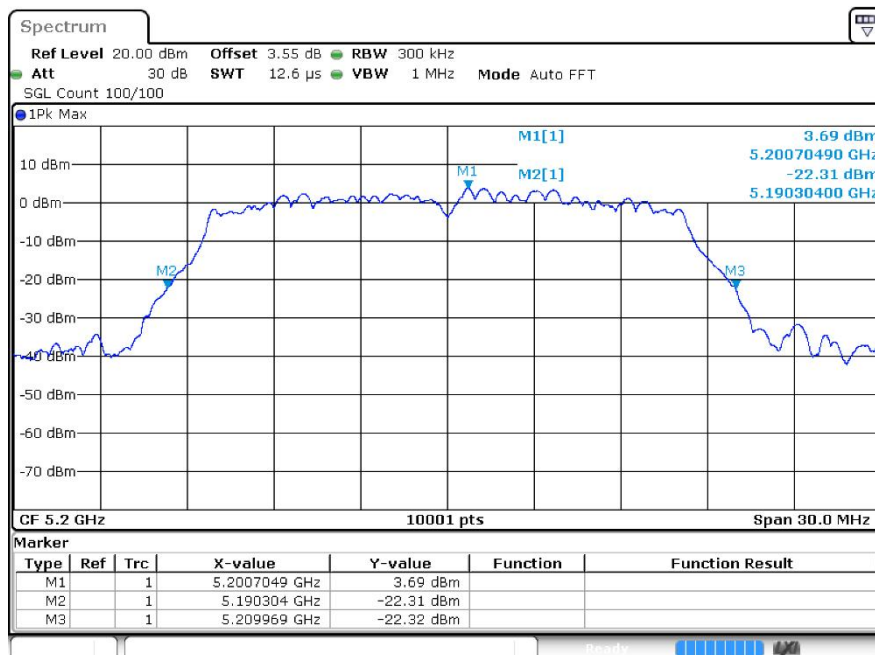


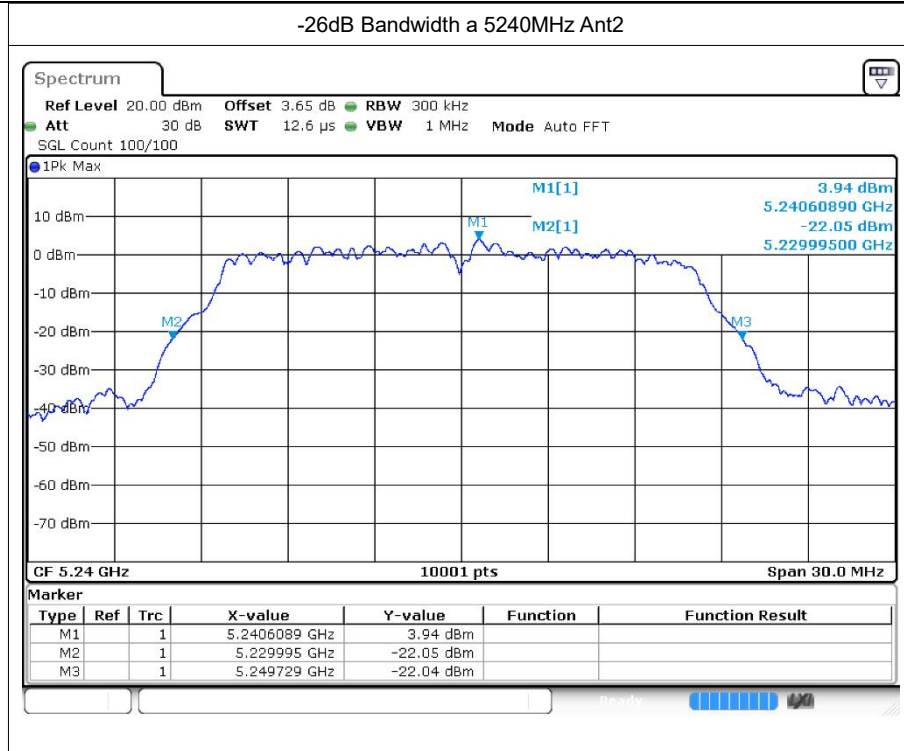


-26dB Bandwidth a 5180MHz Ant2

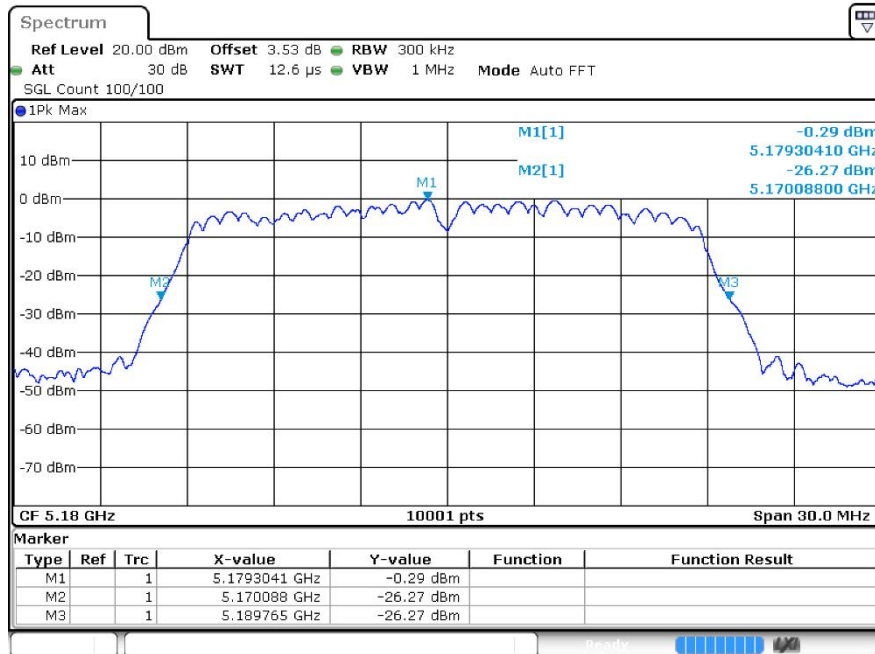


-26dB Bandwidth a 5200MHz Ant2

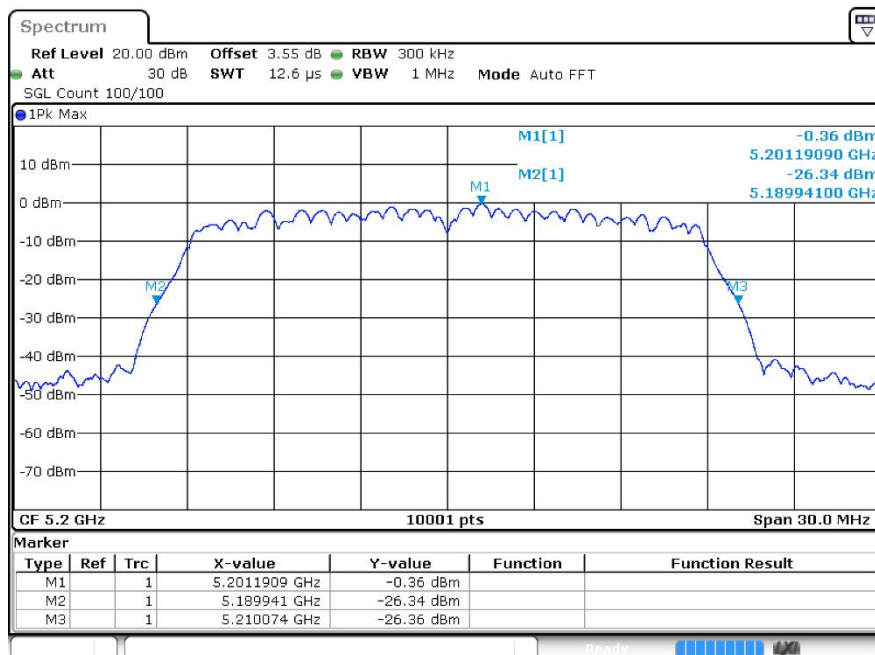


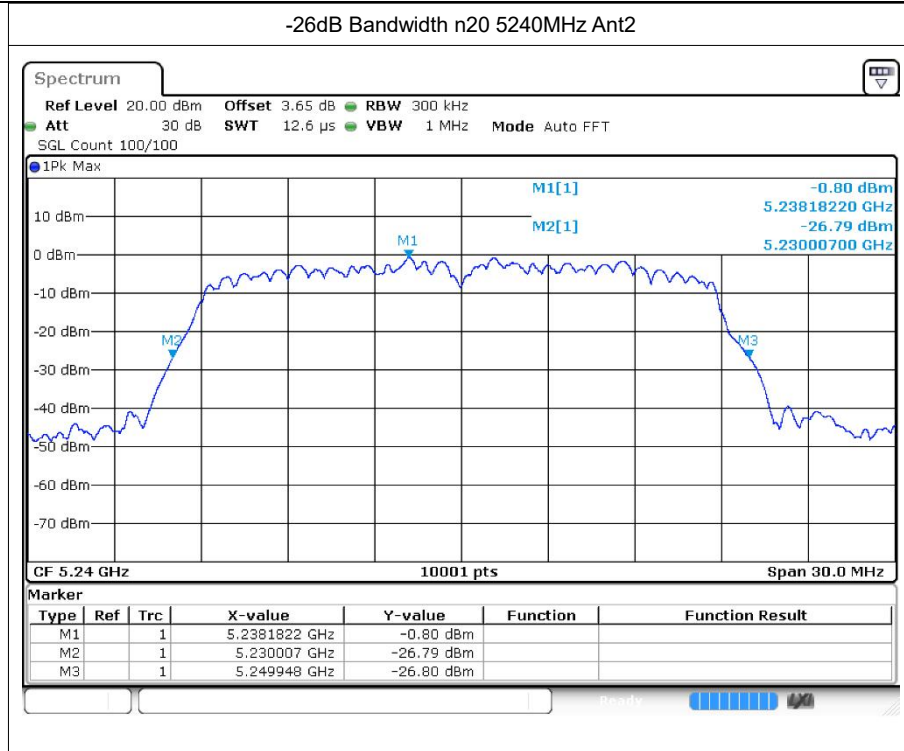


-26dB Bandwidth n20 5180MHz Ant2

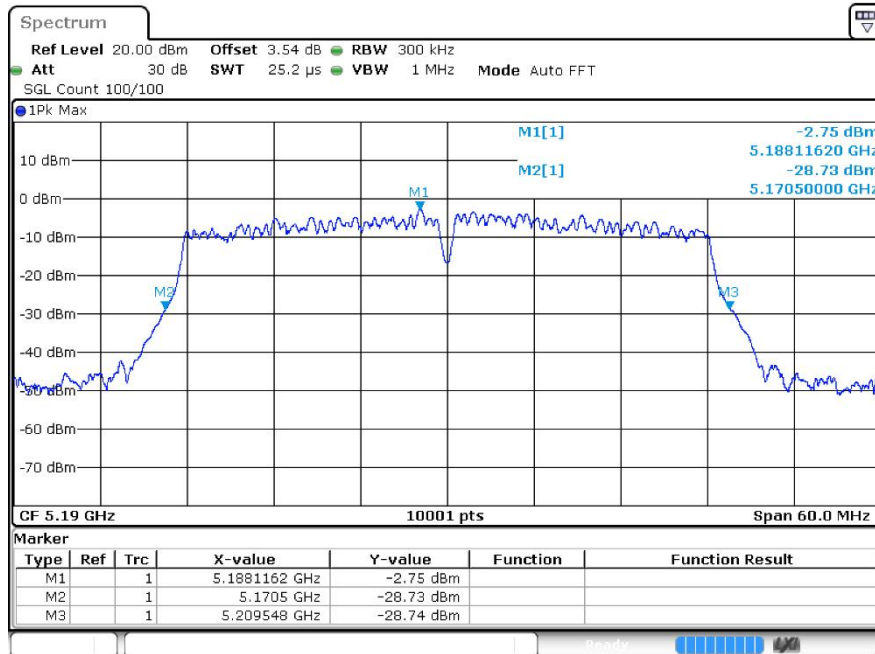


-26dB Bandwidth n20 5200MHz Ant2

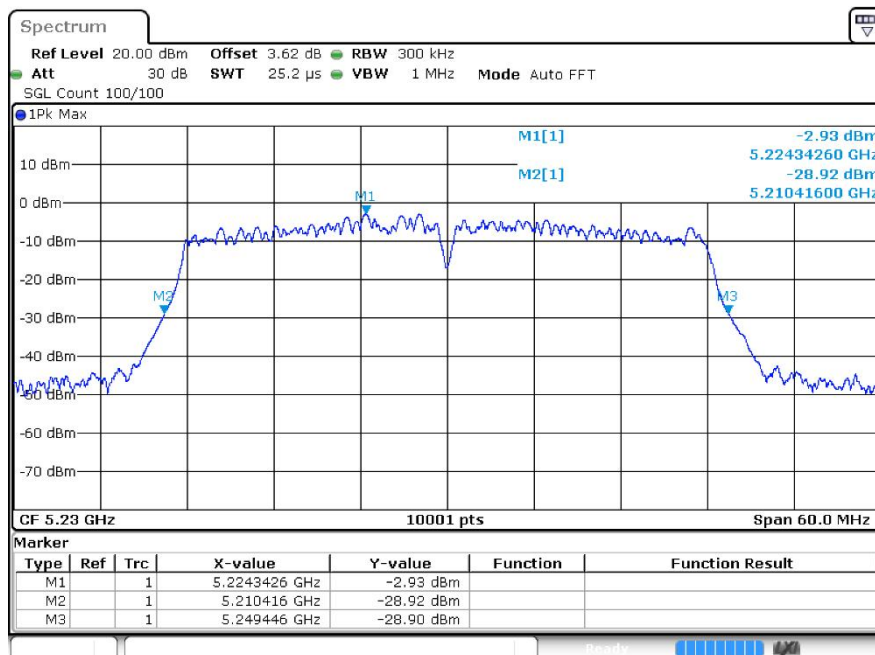




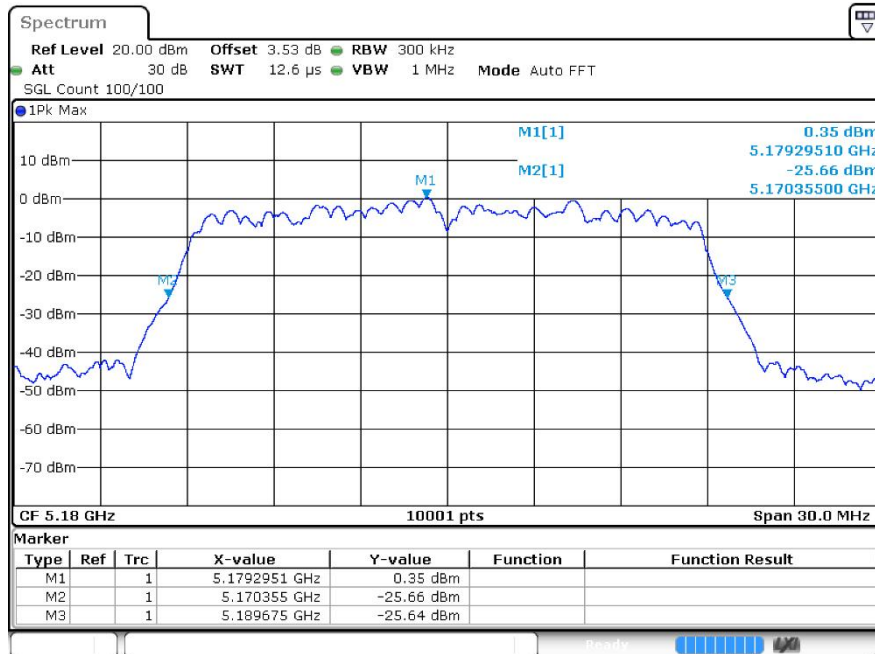
-26dB Bandwidth n40 5190MHz Ant2



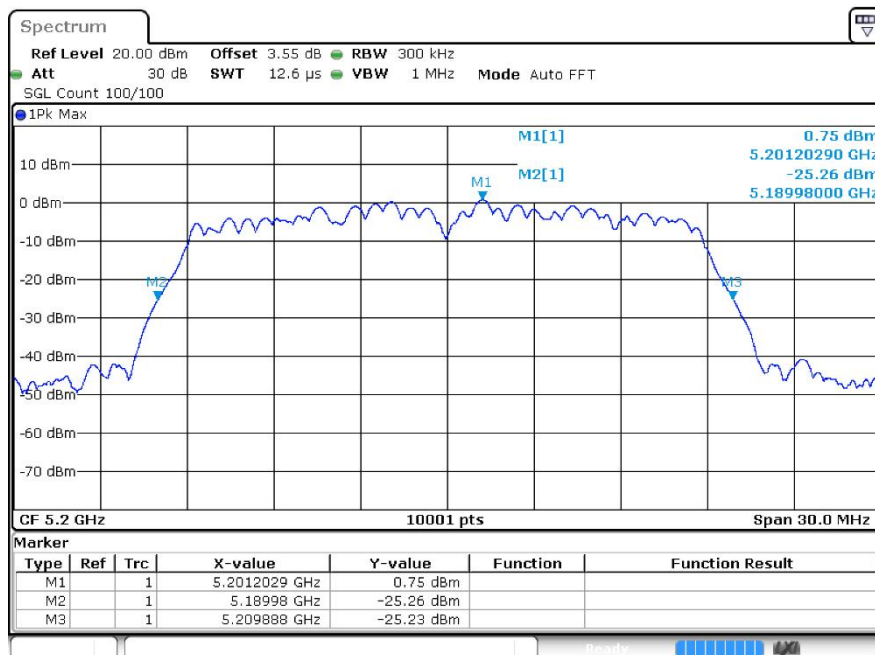
-26dB Bandwidth n40 5230MHz Ant2

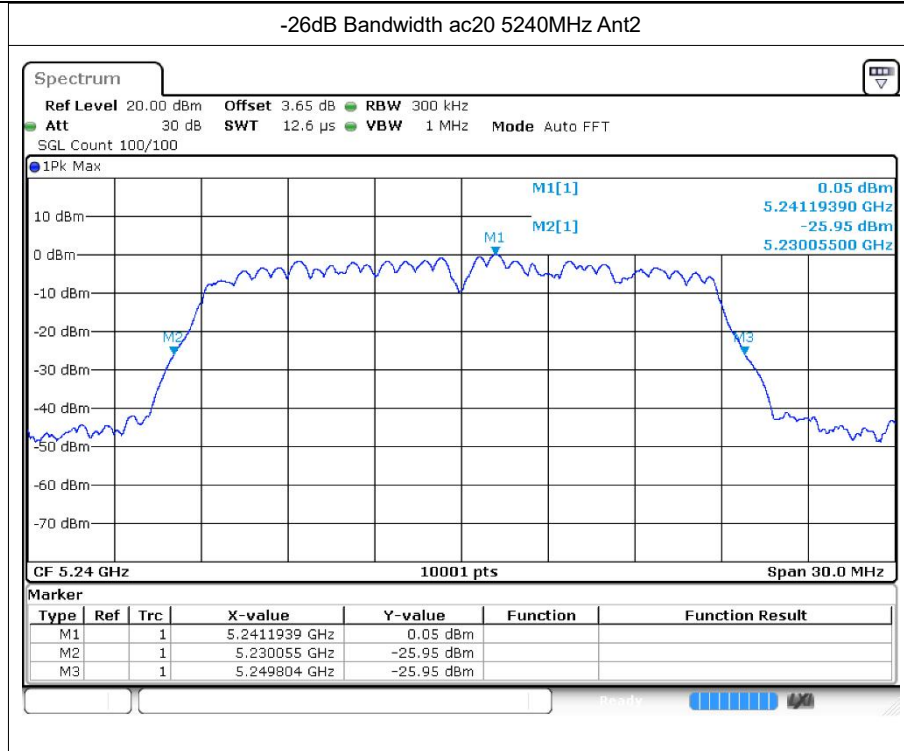


-26dB Bandwidth ac20 5180MHz Ant2

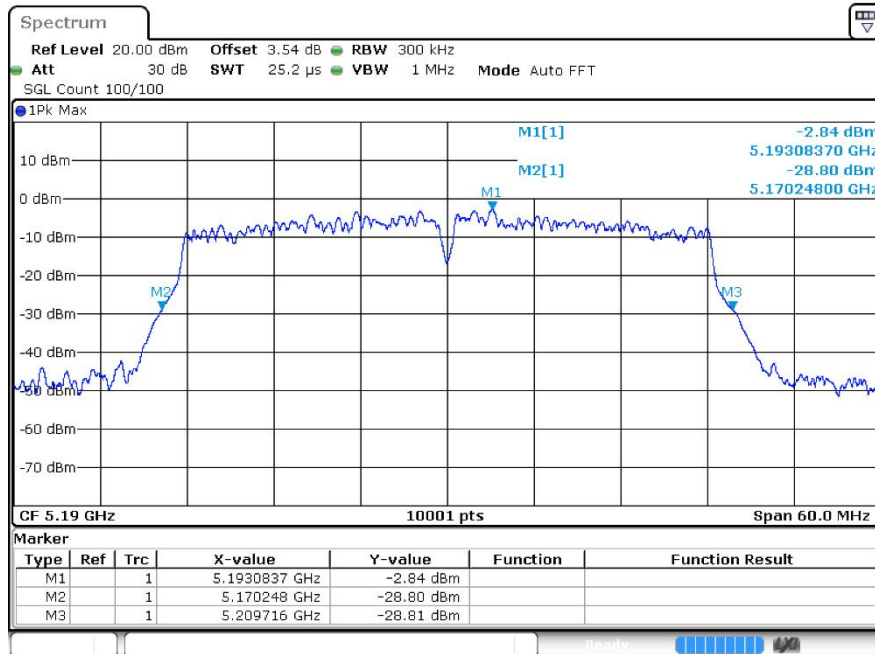


-26dB Bandwidth ac20 5200MHz Ant2

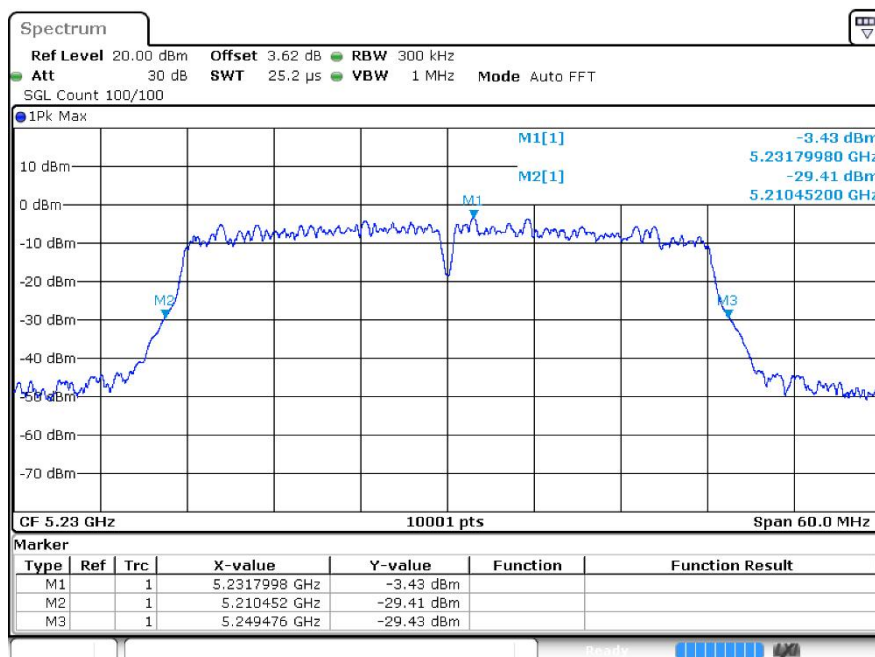


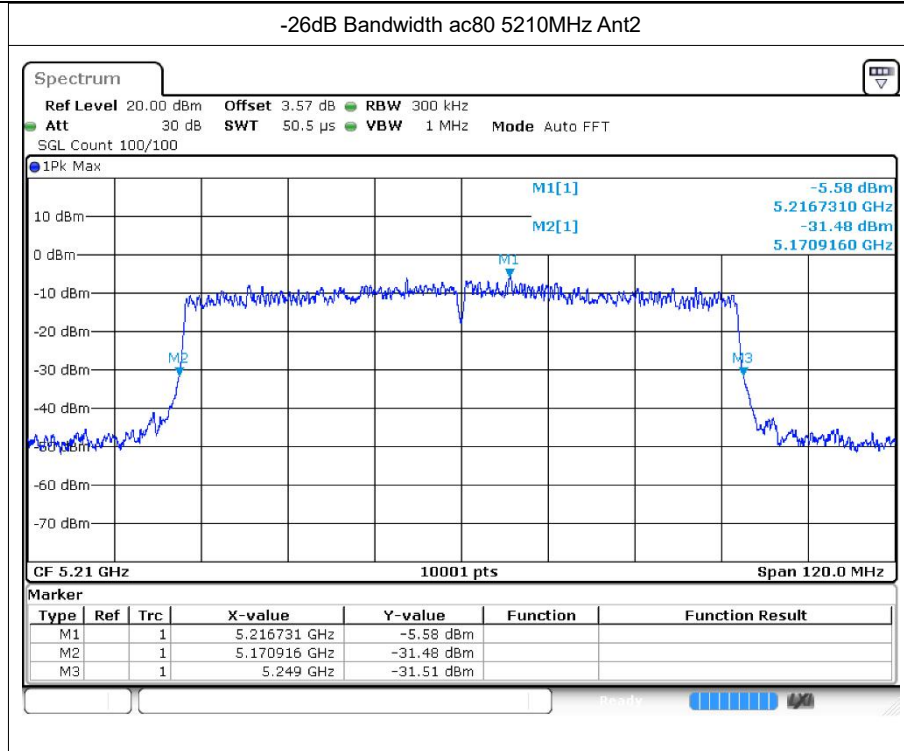


-26dB Bandwidth ac40 5190MHz Ant2



-26dB Bandwidth ac40 5230MHz Ant2



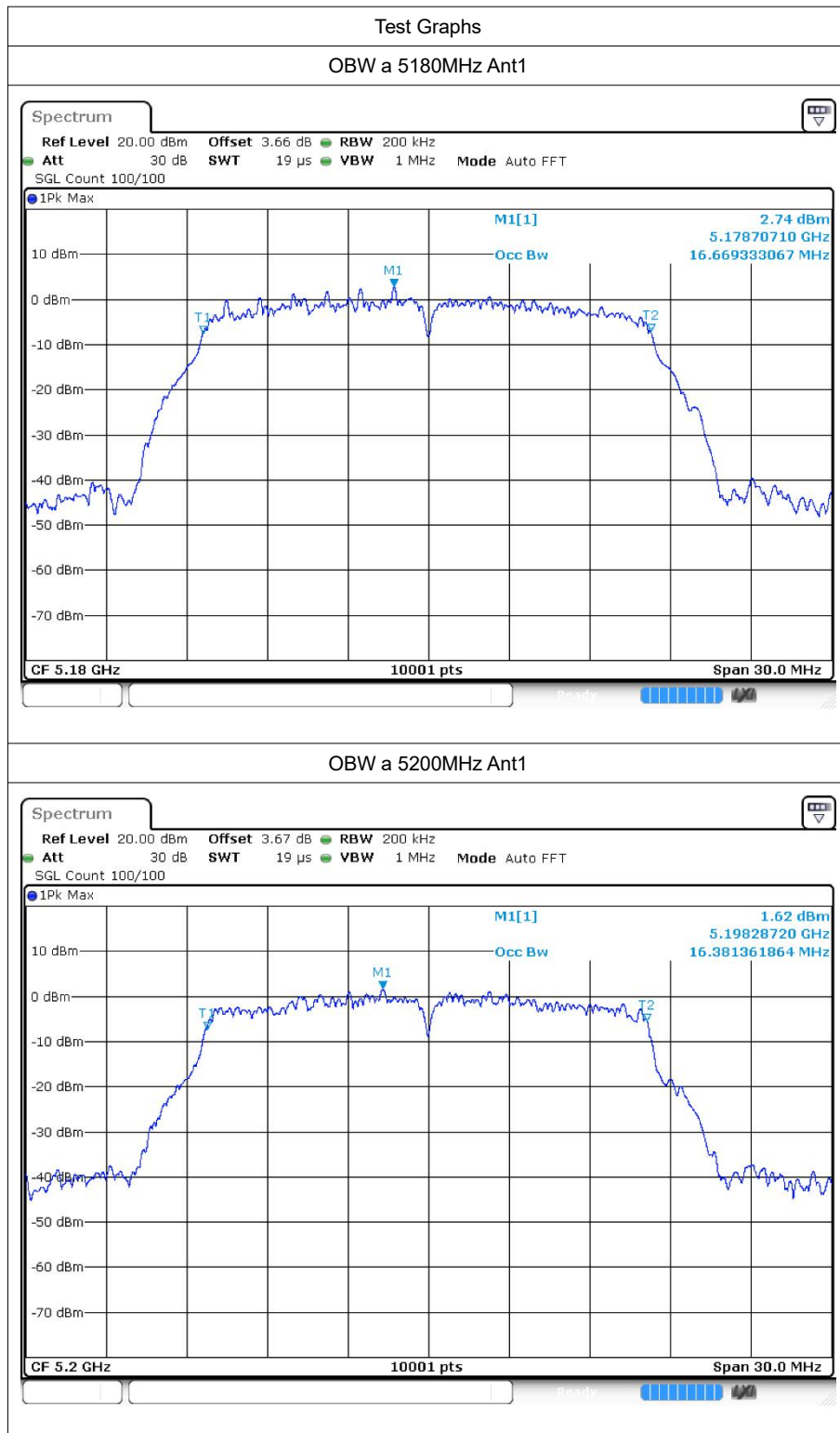


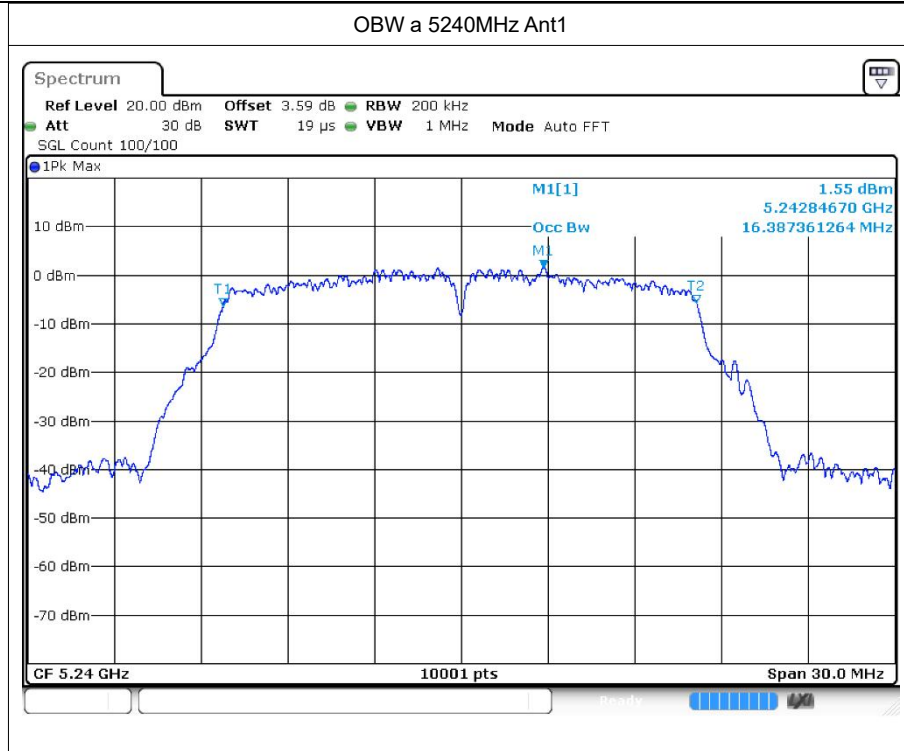
4 Occupied Channel Bandwidth

4.1 Test Result

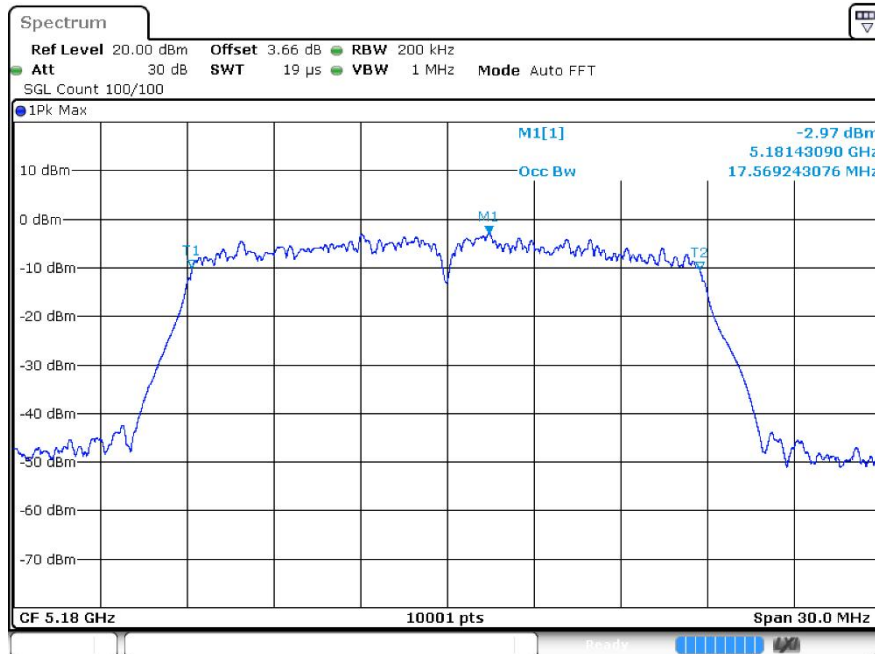
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.669
a	5200	Ant1	16.381
a	5240	Ant1	16.387
n20	5180	Ant1	17.569
n20	5200	Ant1	17.5
n20	5240	Ant1	17.548
n40	5190	Ant1	36.086
n40	5230	Ant1	36.08
ac20	5180	Ant1	17.53
ac20	5200	Ant1	17.509
ac20	5240	Ant1	17.464
ac40	5190	Ant1	36.056
ac40	5230	Ant1	35.972
ac80	5210	Ant1	75.664
a	5180	Ant2	16.354
a	5200	Ant2	16.366
a	5240	Ant2	16.384
n20	5180	Ant2	17.548
n20	5200	Ant2	17.5
n20	5240	Ant2	17.524
n40	5190	Ant2	35.876
n40	5230	Ant2	36.158
ac20	5180	Ant2	17.494
ac20	5200	Ant2	17.512
ac20	5240	Ant2	17.482
ac40	5190	Ant2	36.206
ac40	5230	Ant2	35.948
ac80	5210	Ant2	75.136

4.2 Test Graphs

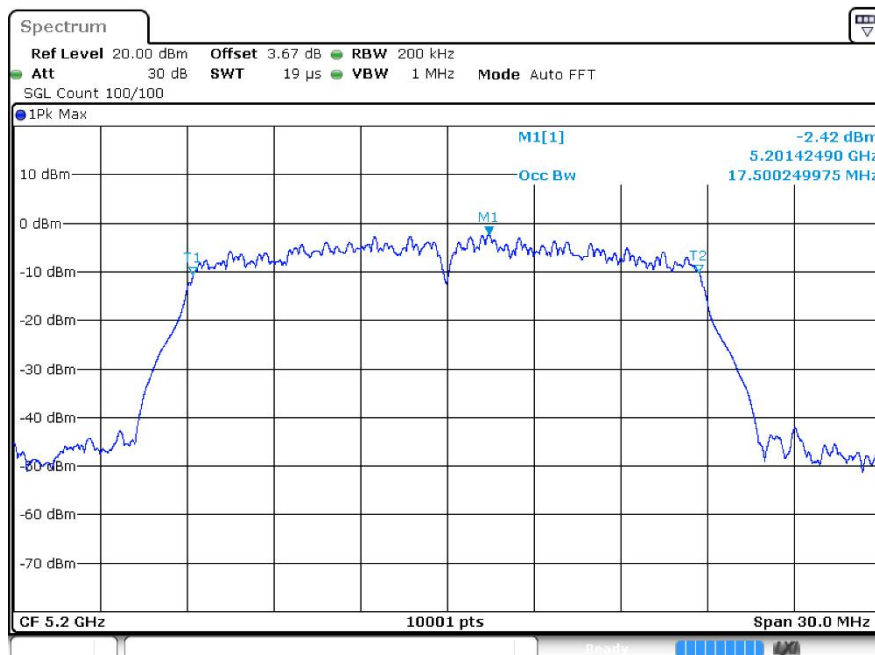


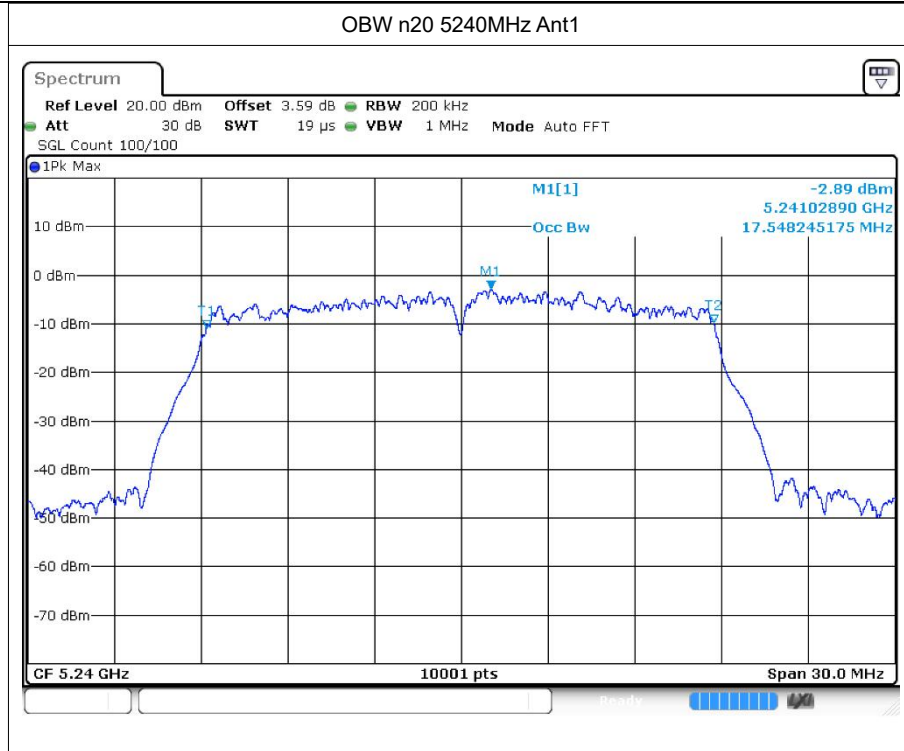


OBW n20 5180MHz Ant1

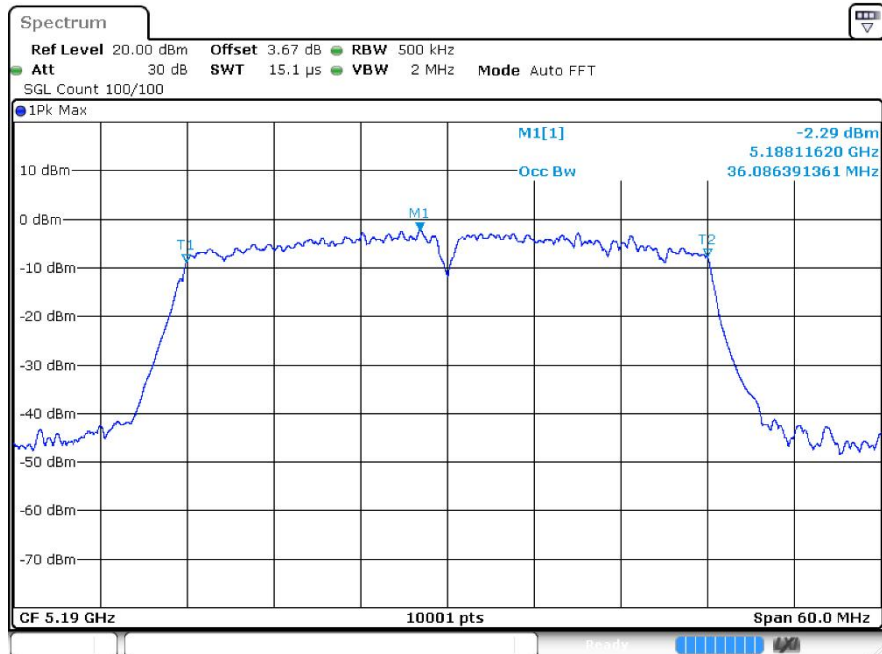


OBW n20 5200MHz Ant1

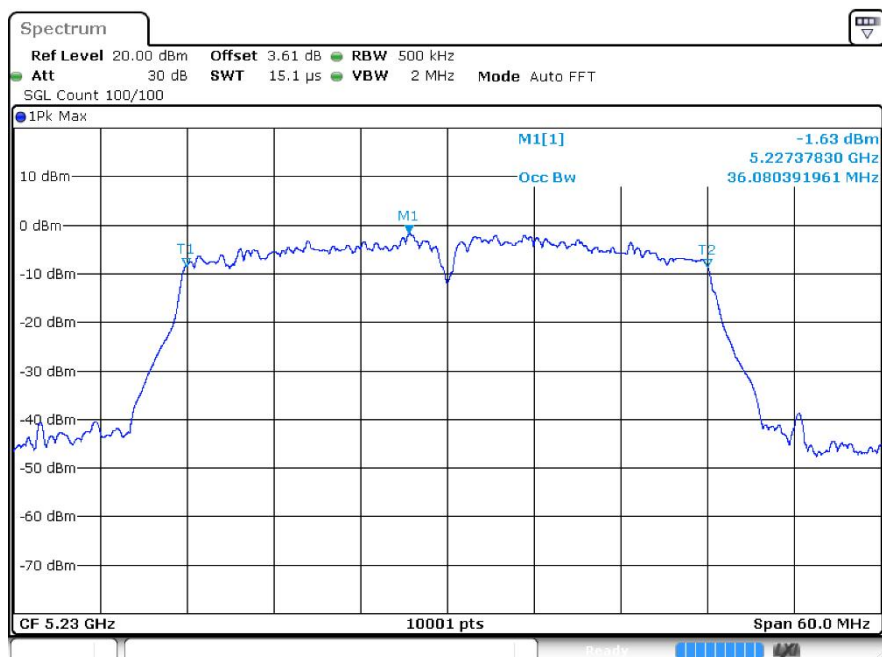




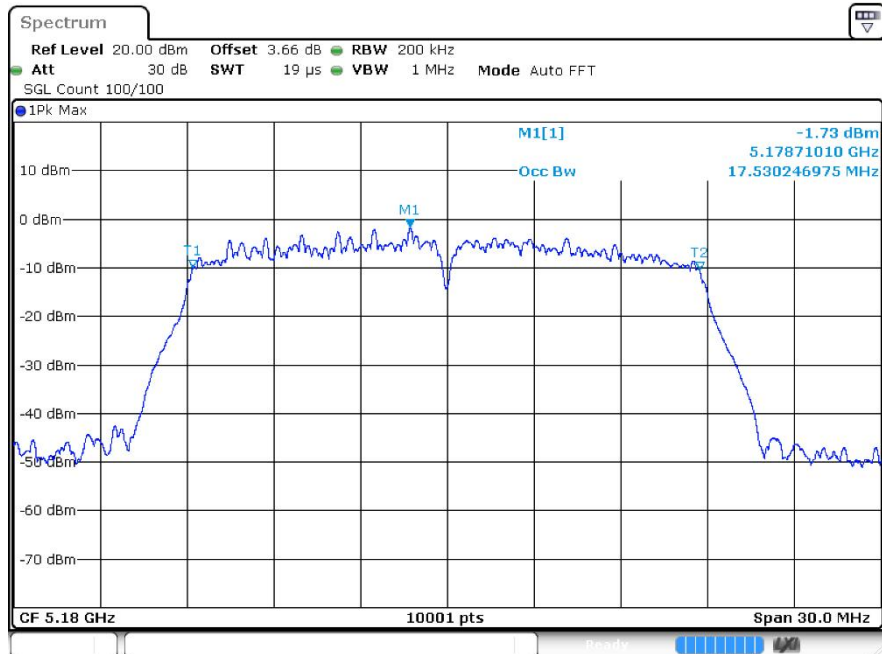
OBW n40 5190MHz Ant1



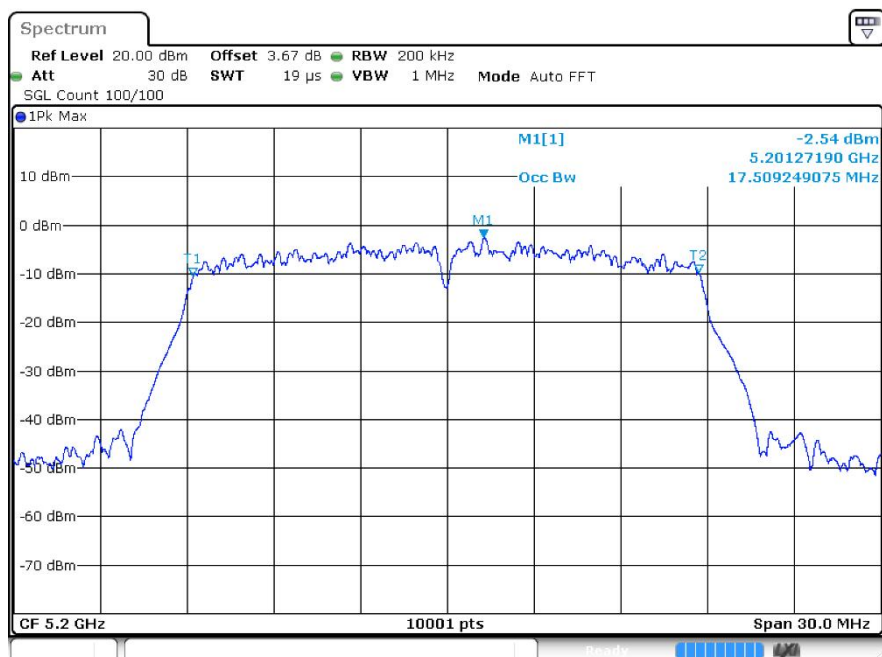
OBW n40 5230MHz Ant1

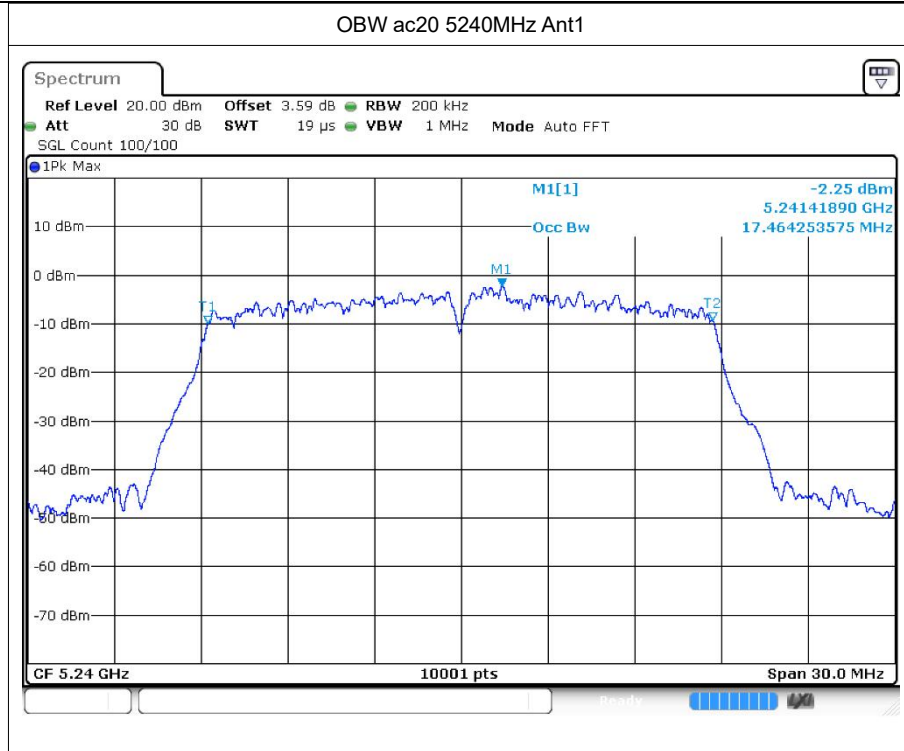


OBW ac20 5180MHz Ant1

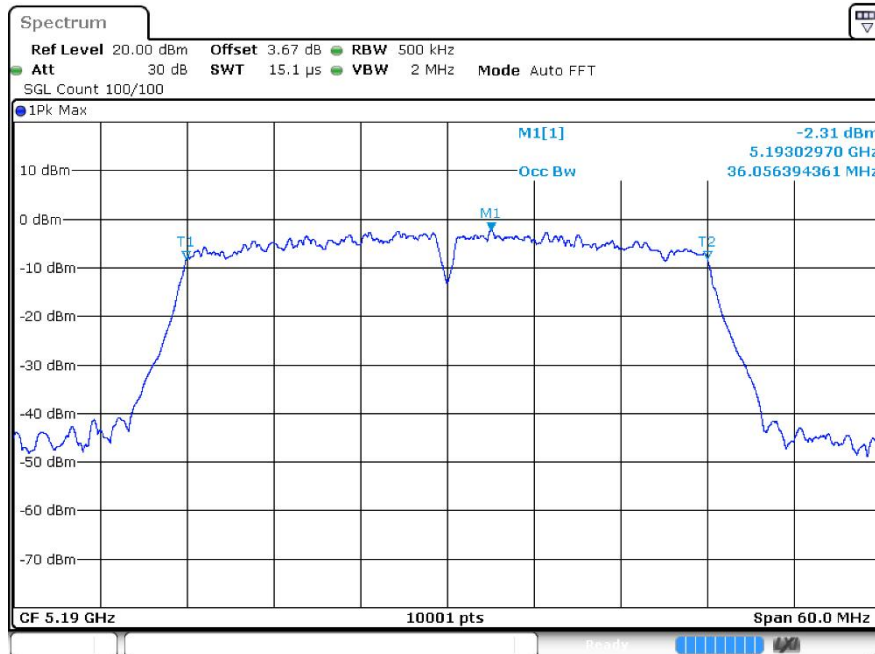


OBW ac20 5200MHz Ant1

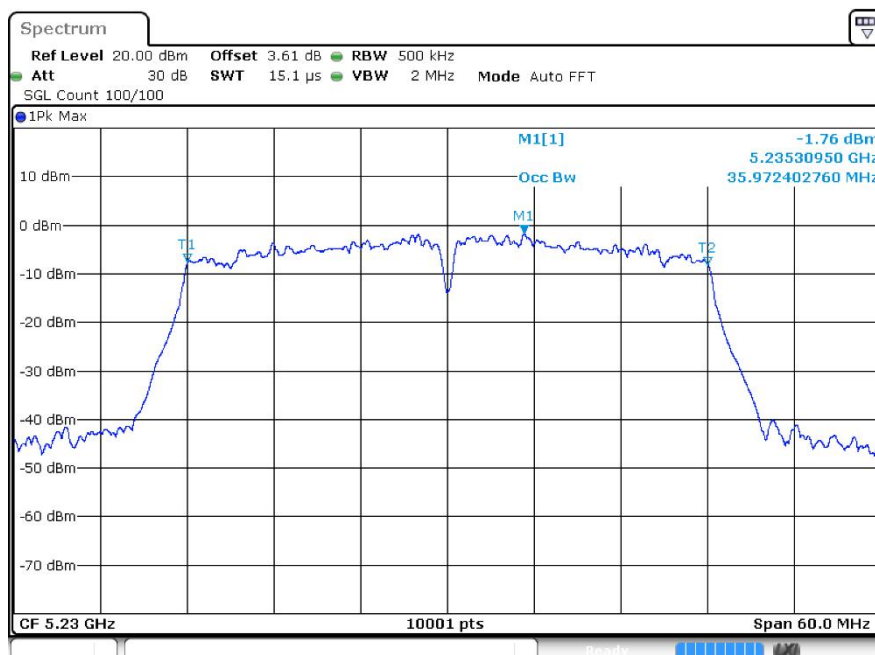


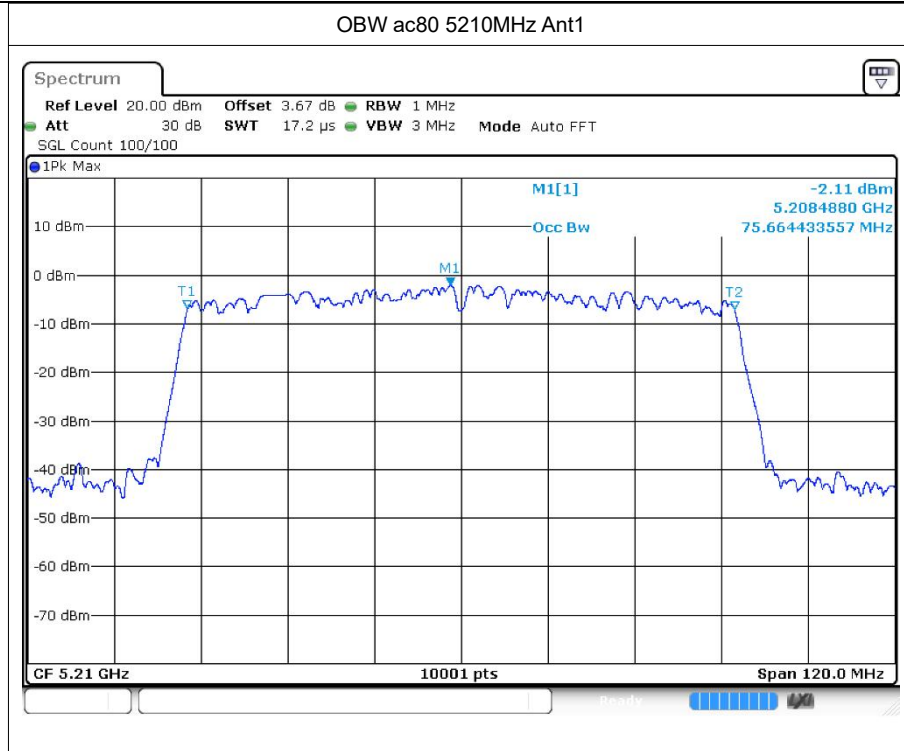


OBW ac40 5190MHz Ant1

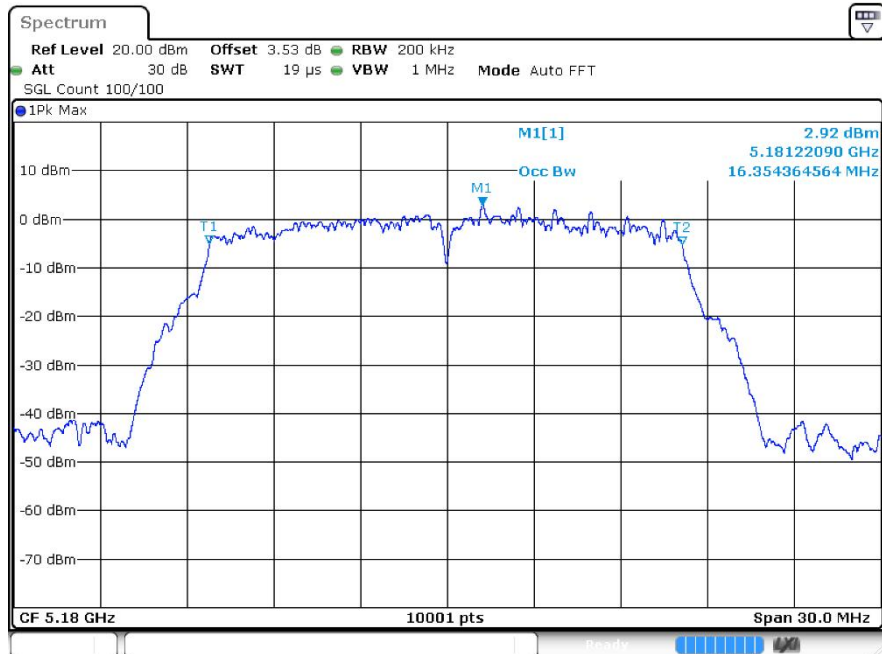


OBW ac40 5230MHz Ant1

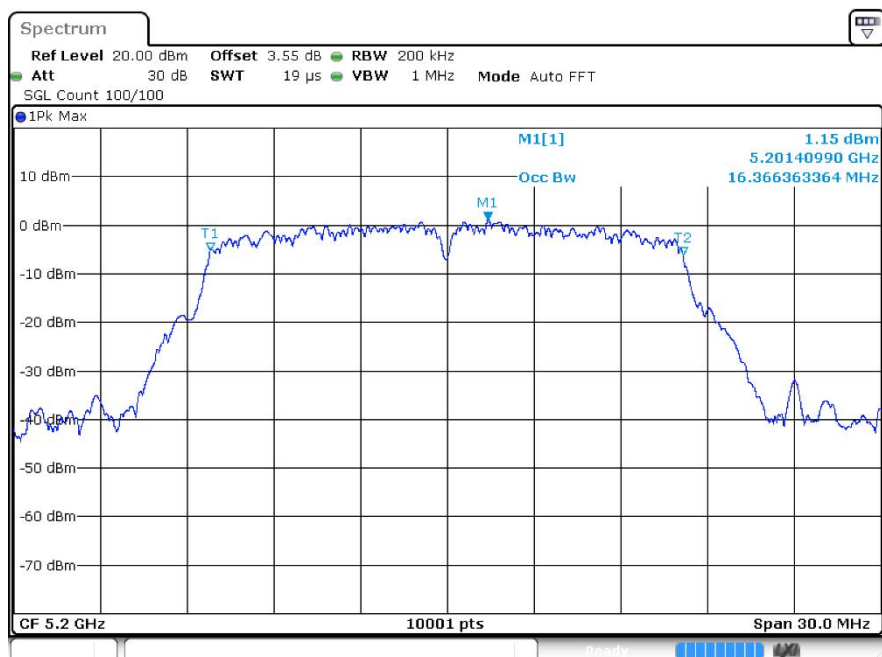


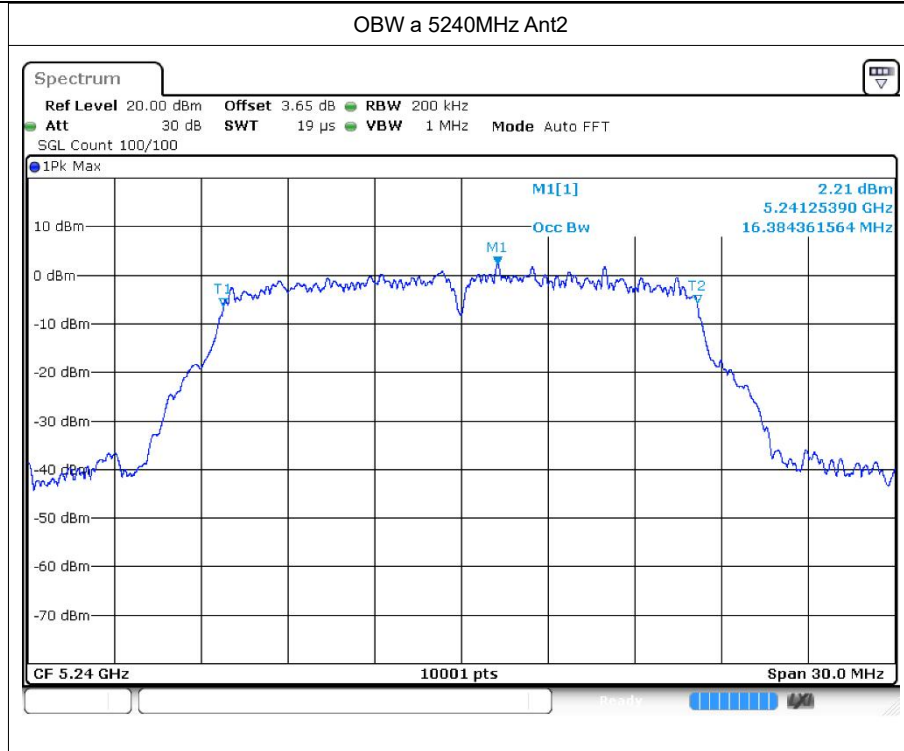


OBW a 5180MHz Ant2

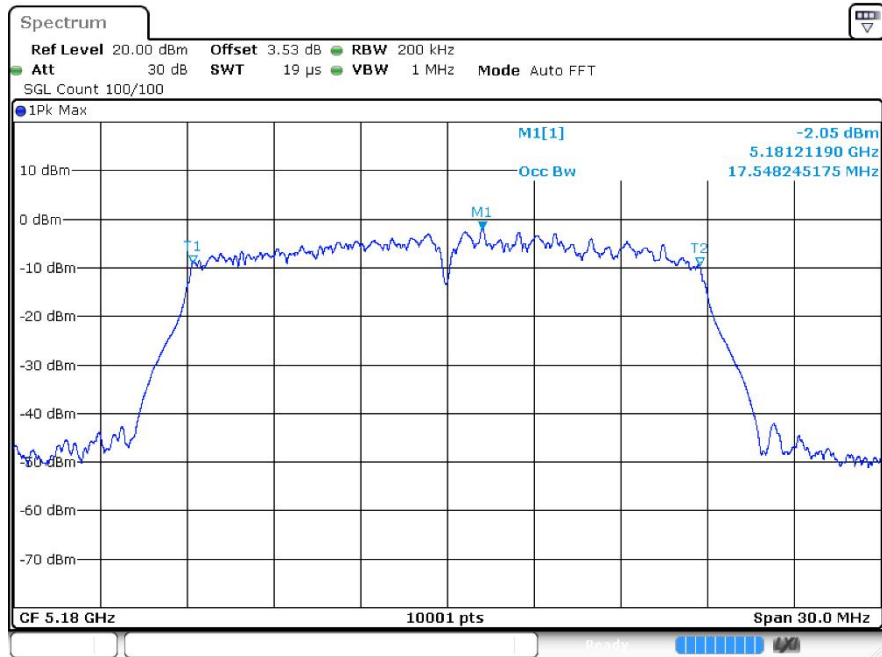


OBW a 5200MHz Ant2

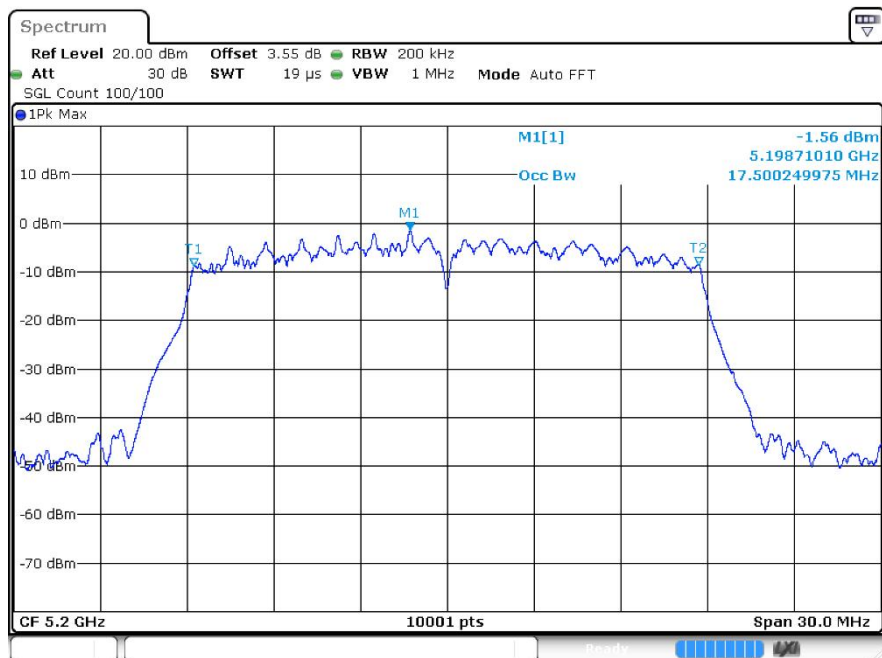


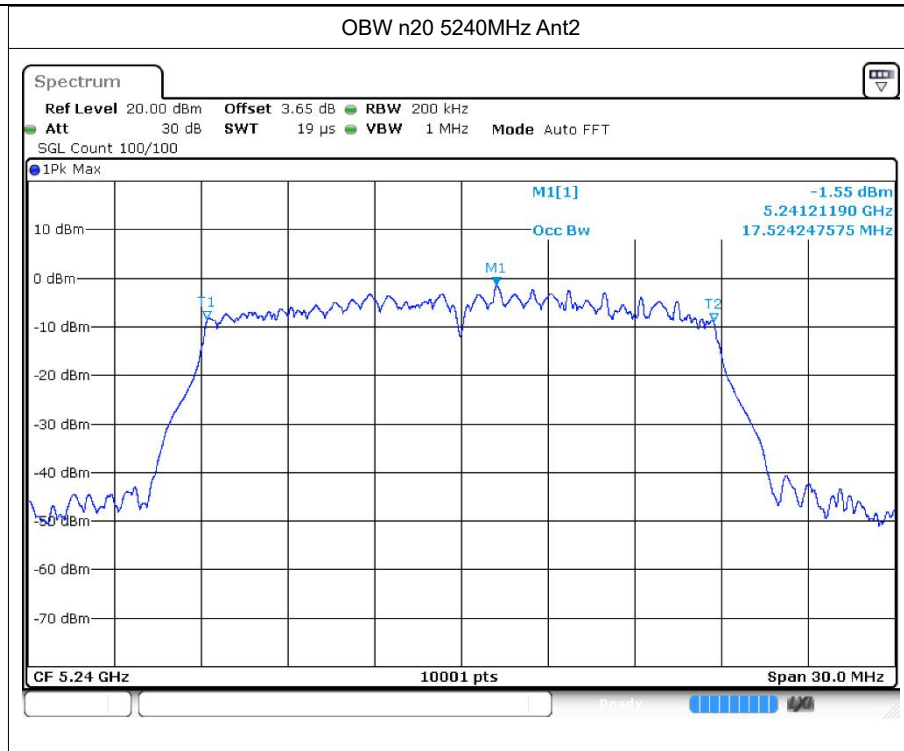


OBW n20 5180MHz Ant2

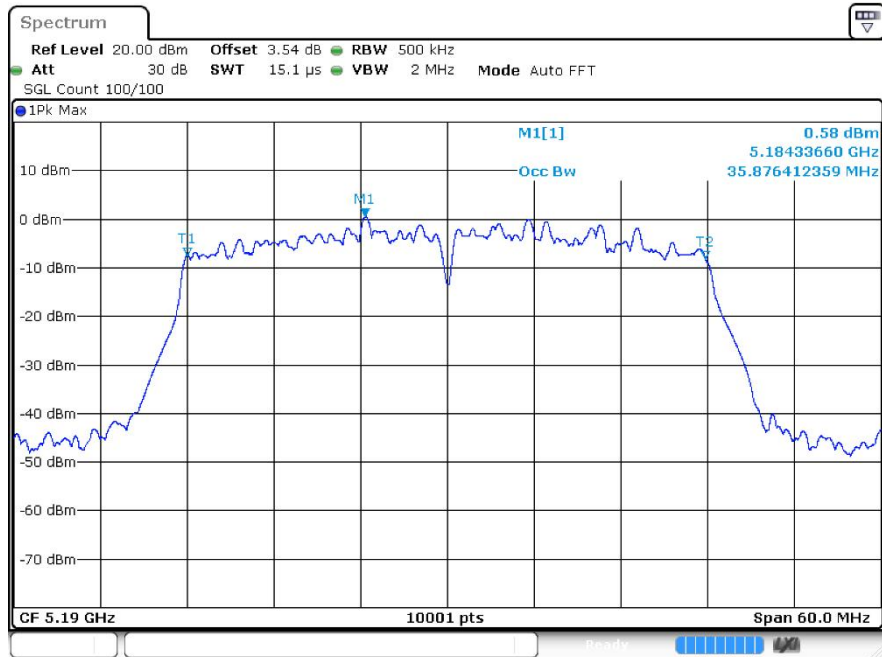


OBW n20 5200MHz Ant2

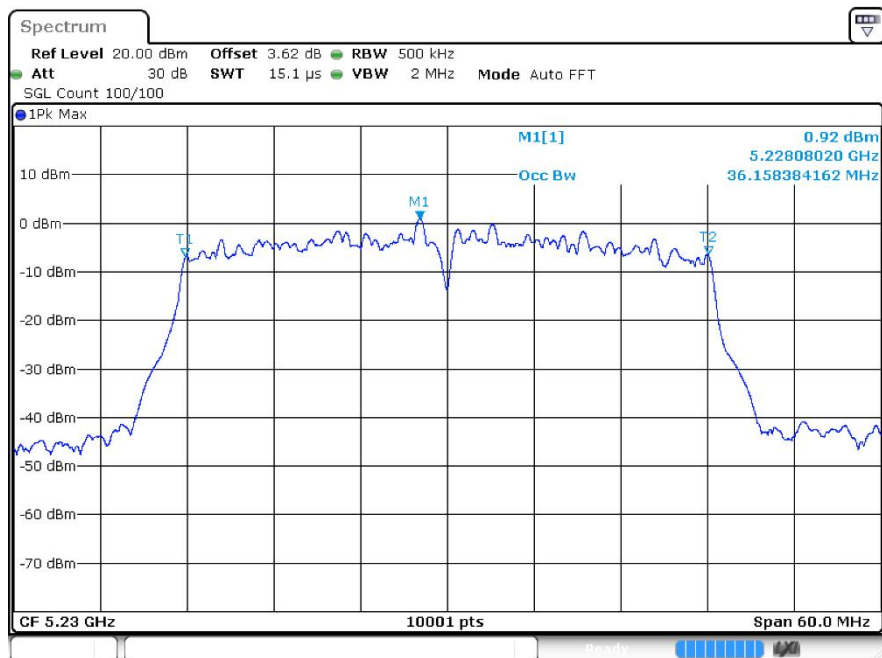




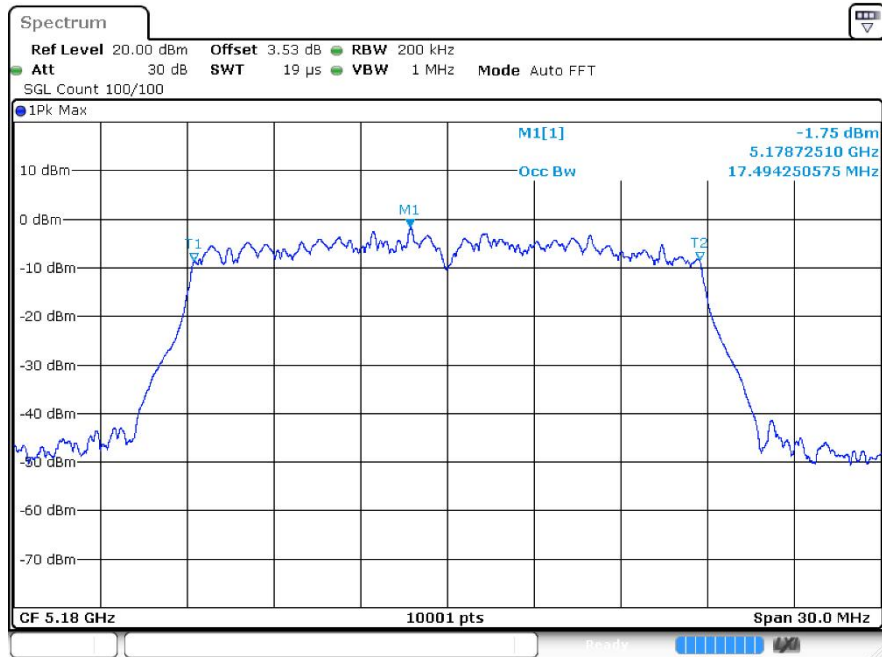
OBW n40 5190MHz Ant2



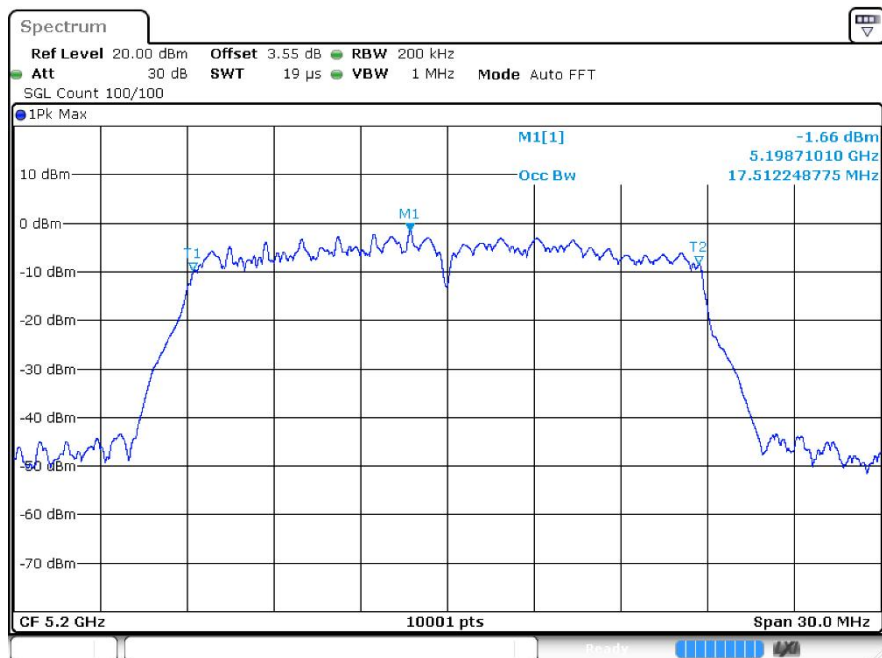
OBW n40 5230MHz Ant2

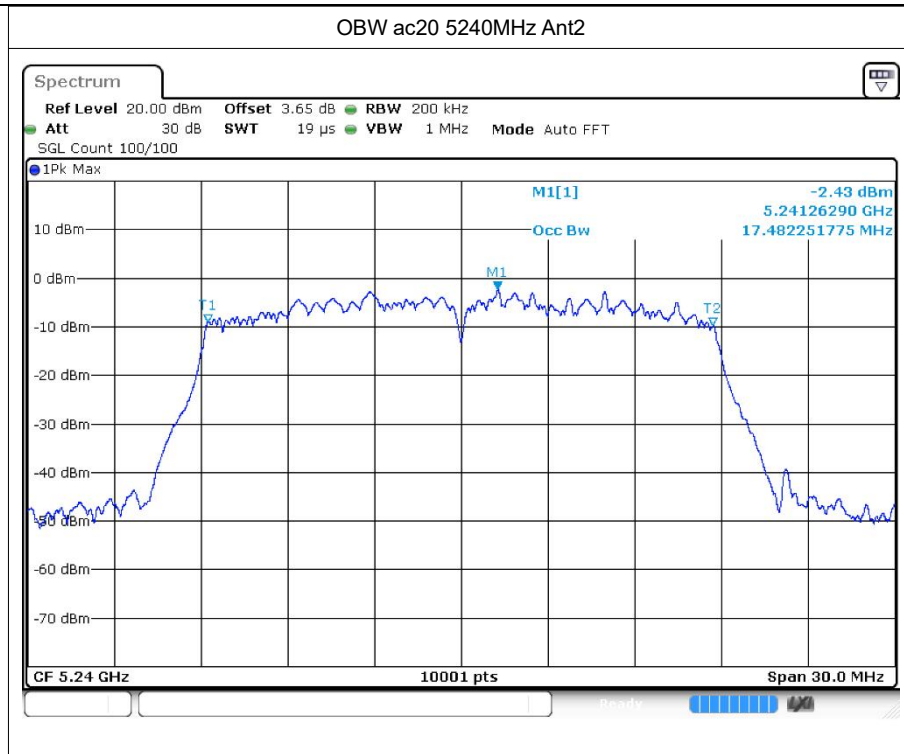


OBW ac20 5180MHz Ant2

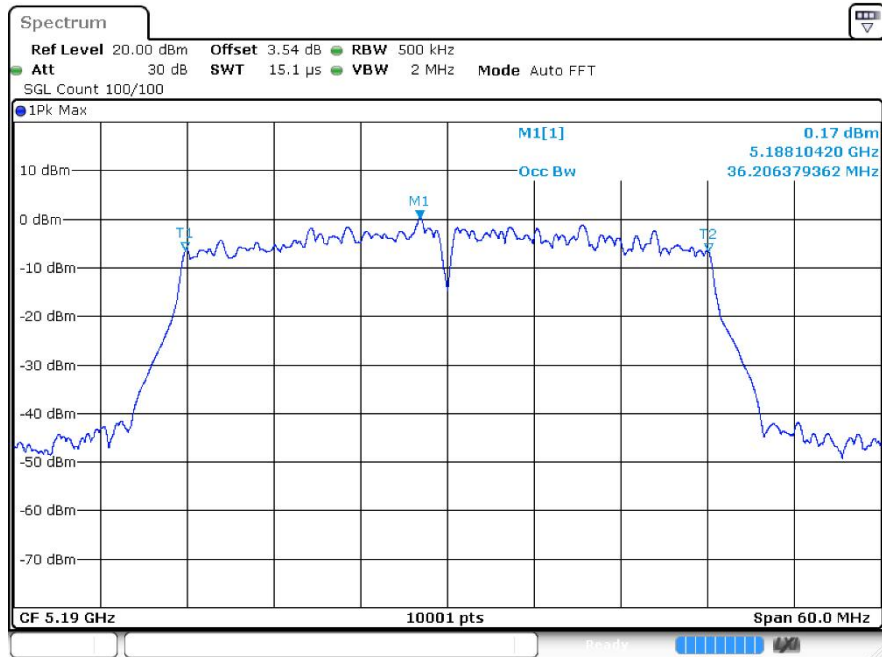


OBW ac20 5200MHz Ant2

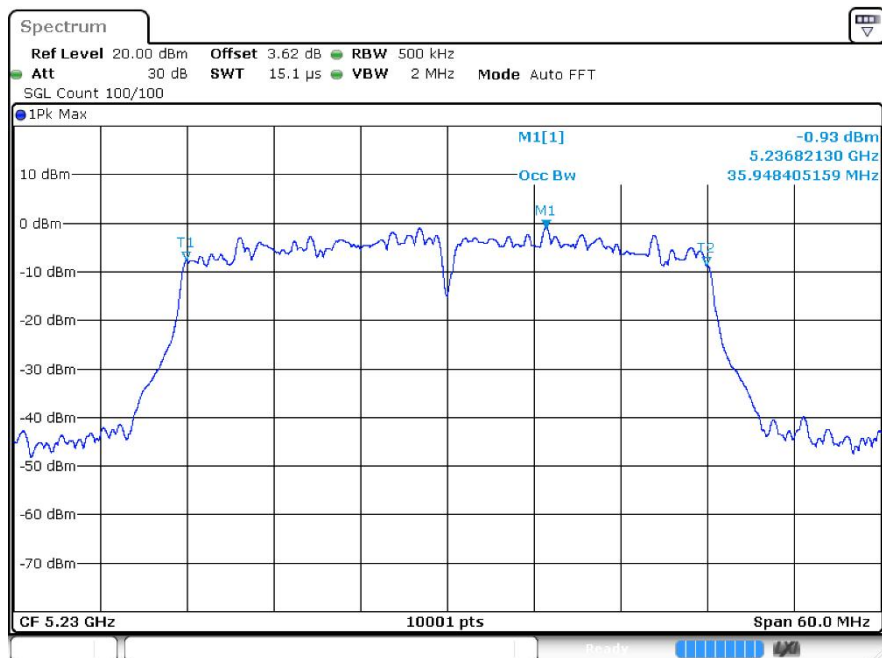


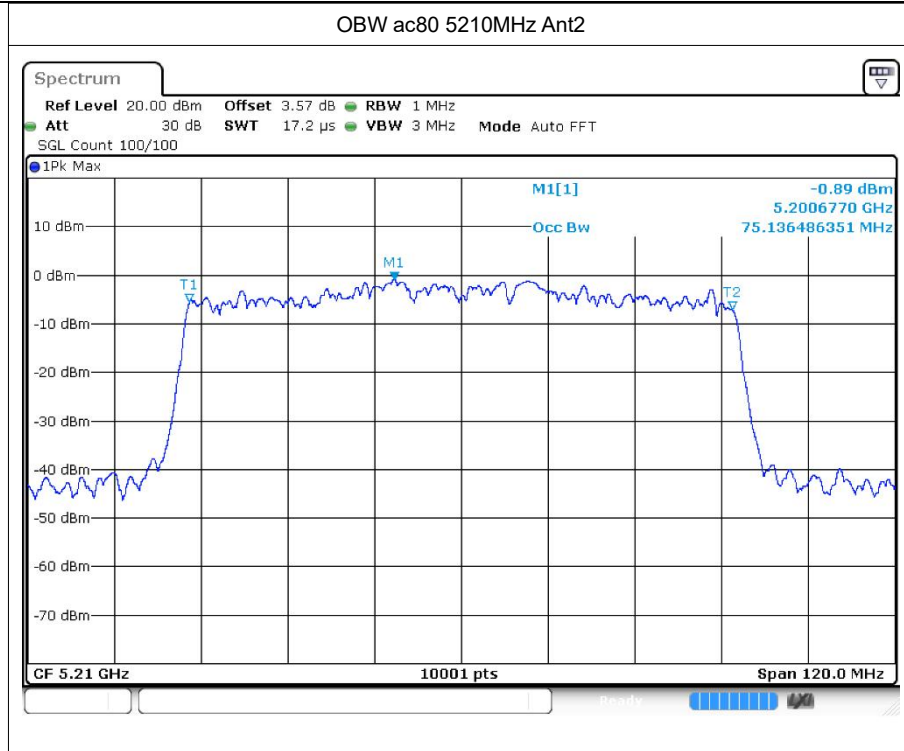


OBW ac40 5190MHz Ant2



OBW ac40 5230MHz Ant2





5 Maximum Power Spectral Density Level

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	1.31	0.11	1.42	11	Pass
a	5200	Ant1	1.5	0.11	1.61	11	Pass
a	5240	Ant1	1.83	0.11	1.94	11	Pass
a	5180	Ant2	1.81	0.11	1.92	11	Pass
a	5200	Ant2	2.04	0.11	2.15	11	Pass
a	5240	Ant2	1.08	0.11	1.19	11	Pass
n20	5180	Ant1	-3.09	0.11	-2.98	11	Pass
n20	5180	Ant2	-2.5	0.11	-2.39	11	Pass
n20	5180	Sum	-	-	0.34	9.43	Pass
n20	5200	Ant1	-2.36	0.11	-2.25	11	Pass
n20	5200	Ant2	-2.63	0.11	-2.52	11	Pass
n20	5200	Sum	-	-	0.63	9.43	Pass
n20	5240	Ant1	-2.61	0.11	-2.5	11	Pass
n20	5240	Ant2	-2.61	0.11	-2.5	11	Pass
n20	5240	Sum	-	-	0.51	9.43	Pass
n40	5190	Ant1	-5.64	0.22	-5.42	11	Pass
n40	5190	Ant2	-5.84	0.22	-5.62	11	Pass
n40	5190	Sum	-	-	-2.51	9.43	Pass
n40	5230	Ant1	-5.45	0.22	-5.23	11	Pass
n40	5230	Ant2	-6.04	0.22	-5.82	11	Pass
n40	5230	Sum	-	-	-2.50	9.43	Pass
ac20	5180	Ant1	-2.97	0.11	-2.86	11	Pass
ac20	5180	Ant2	-2.53	0.11	-2.42	11	Pass
ac20	5180	Sum	-	-	0.38	9.43	Pass
ac20	5200	Ant1	-3.21	0.11	-3.1	11	Pass
ac20	5200	Ant2	-2.72	0.11	-2.61	11	Pass
ac20	5200	Sum	-	-	0.16	9.43	Pass
ac20	5240	Ant1	-2.34	0.11	-2.23	11	Pass
ac20	5240	Ant2	-2.34	0.11	-2.23	11	Pass
ac20	5240	Sum	-	-	0.78	9.43	Pass
ac40	5190	Ant1	-5.69	0.22	-5.47	11	Pass
ac40	5190	Ant2	-5.43	0.22	-5.21	11	Pass
ac40	5190	Sum	-	-	-2.33	9.43	Pass
ac40	5230	Ant1	-5.9	0.22	-5.68	11	Pass
ac40	5230	Ant2	-5.45	0.22	-5.23	11	Pass
ac40	5230	Sum	-	-	-2.44	9.43	Pass



ac80	5210	Ant1	-8.79	0.41	-8.38	11	Pass
ac80	5210	Ant2	-8.69	0.41	-8.28	11	Pass
ac80	5210	Sum	-	-	-5.32	9.43	Pass

Note: The MIMO gain of antenna is 7.57 dBi, which exceeds 6 dBi. Limit = 11 - (7.57 - 6) = 9.43 dBm

5.2 Test Graphs

