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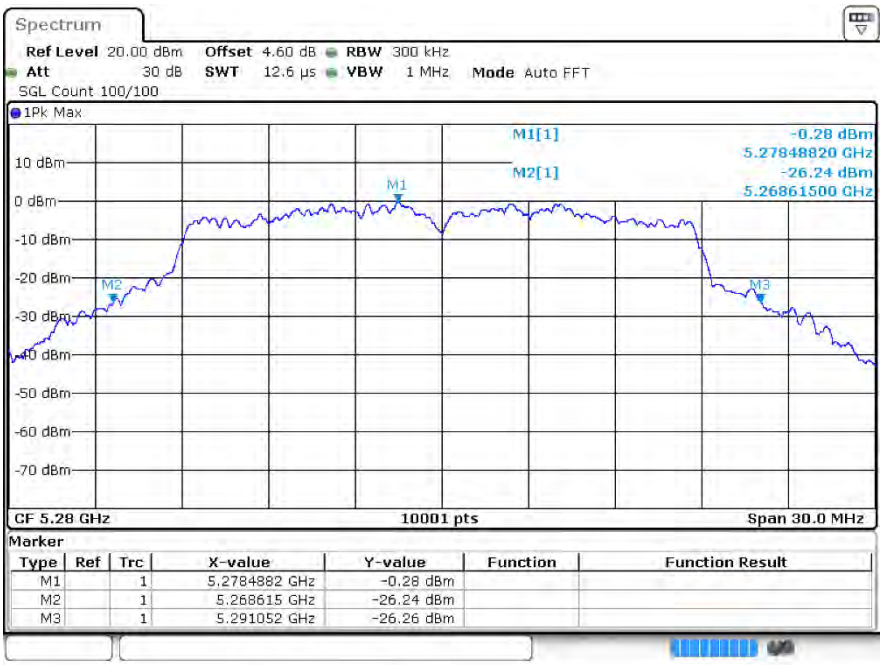
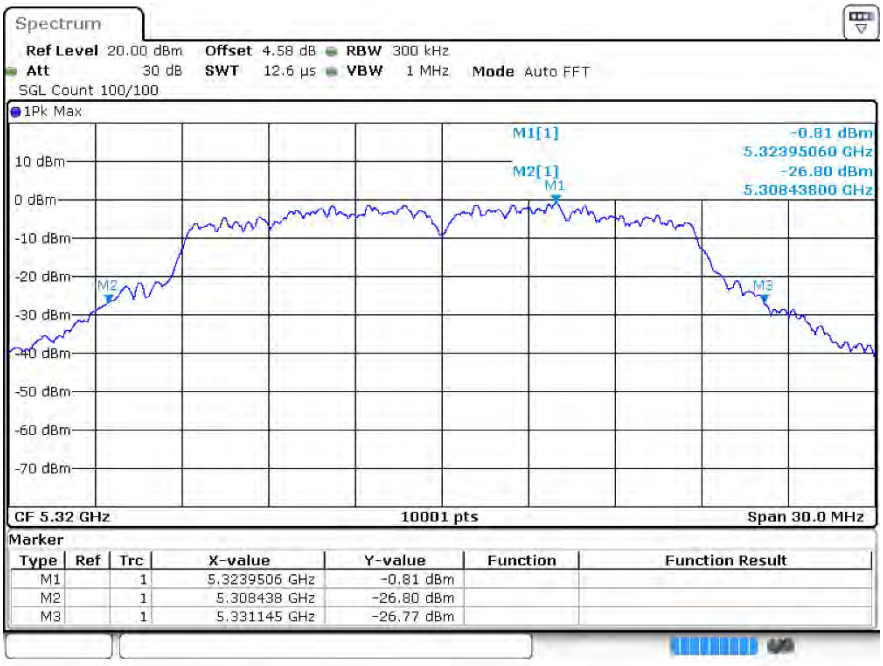
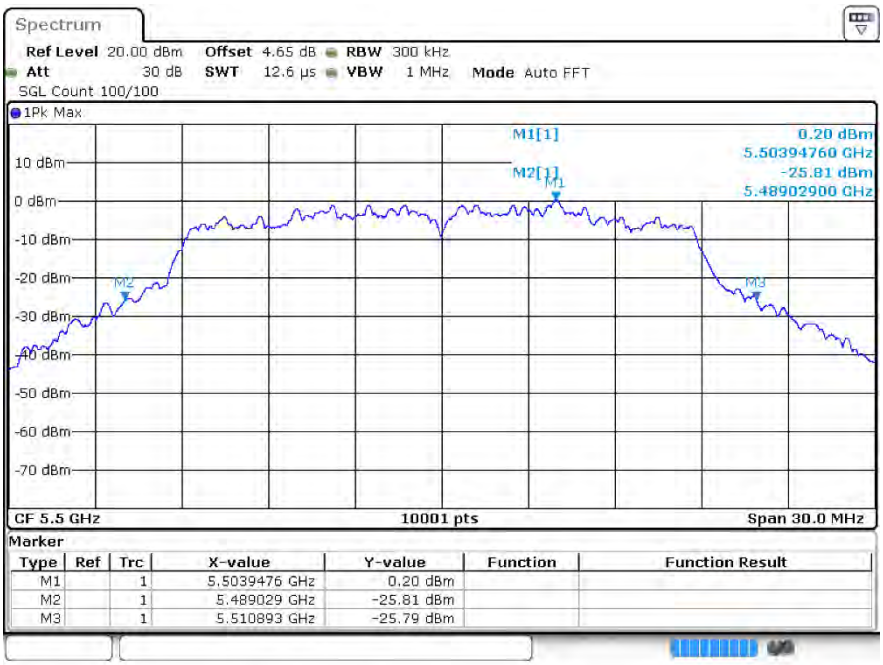


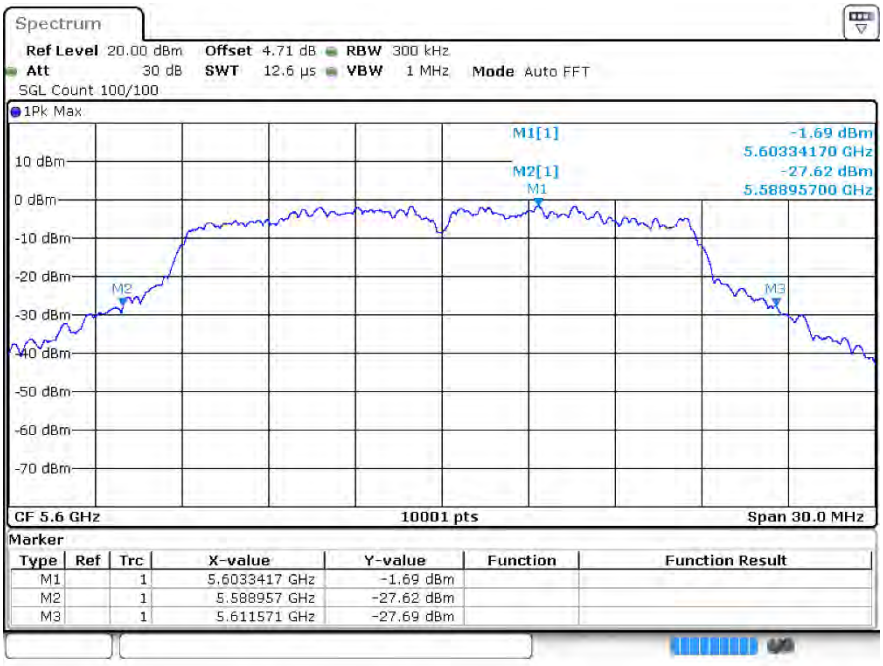
-26dB Bandwidth n20 5320MHz Ant1



-26dB Bandwidth n20 5500MHz Ant1



-26dB Bandwidth n20 5600MHz Ant1



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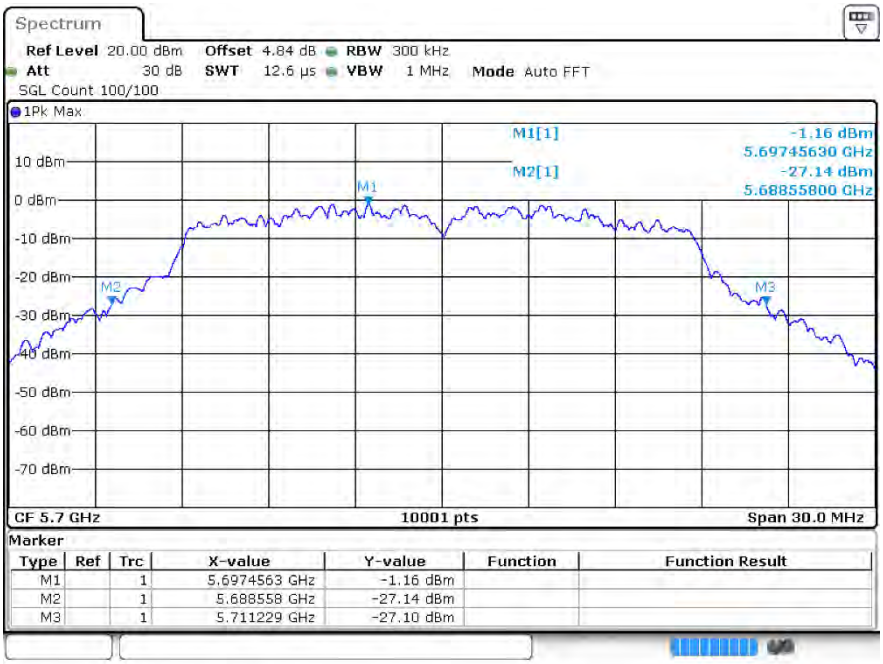
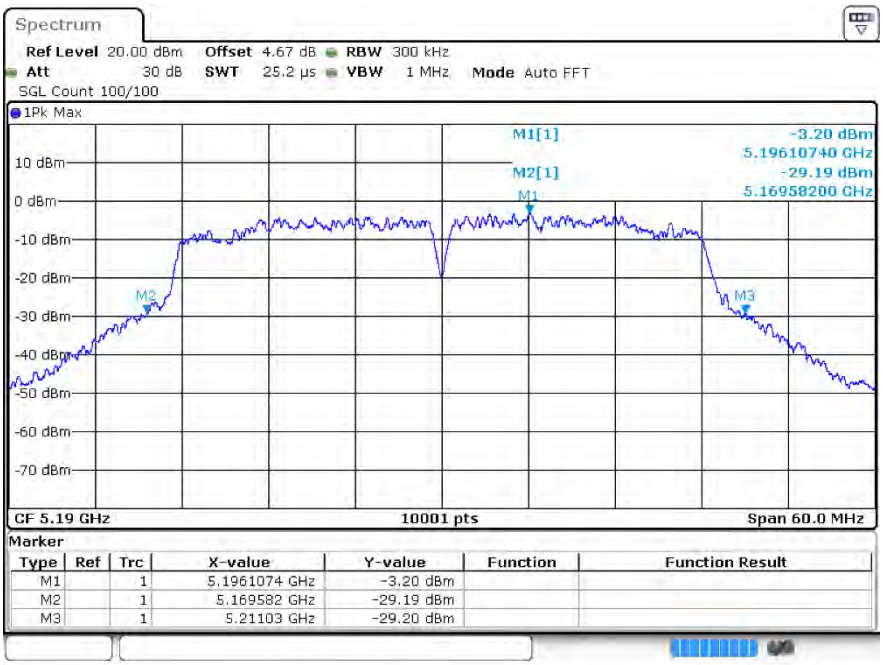
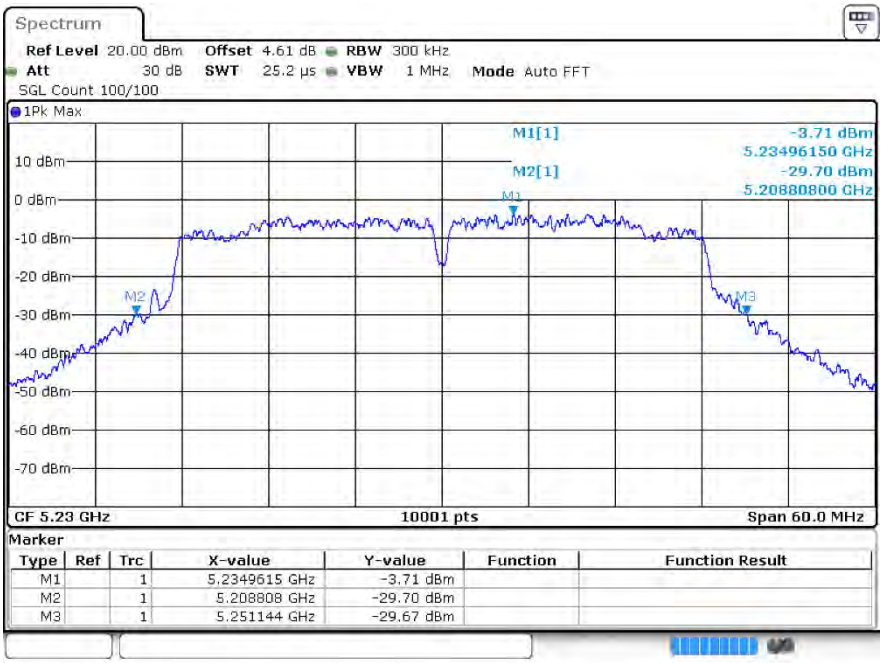


-26dB Bandwidthn40 5190MHz Ant1



-26dB Bandwidthn40 5230MHz Ant1



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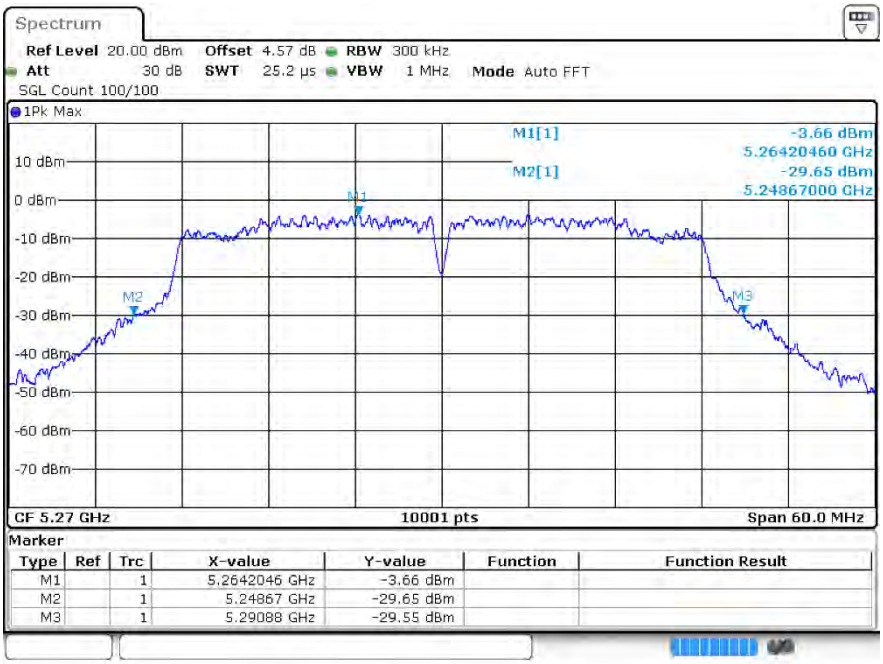
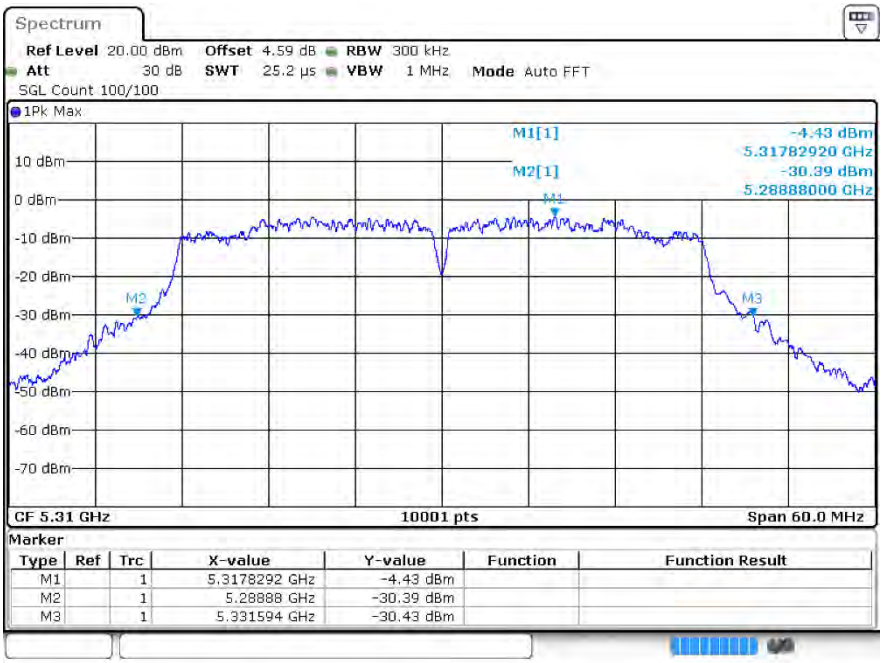
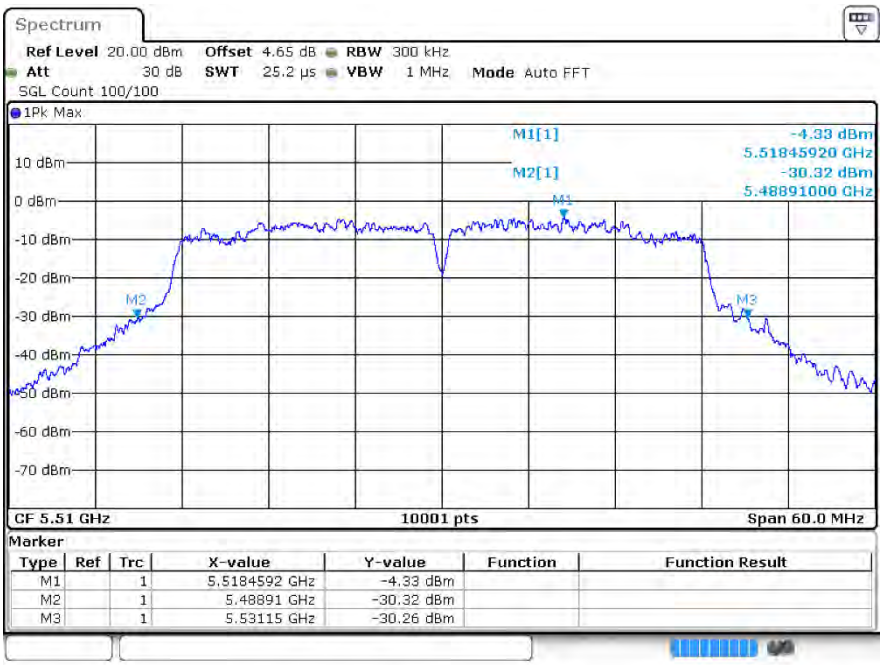


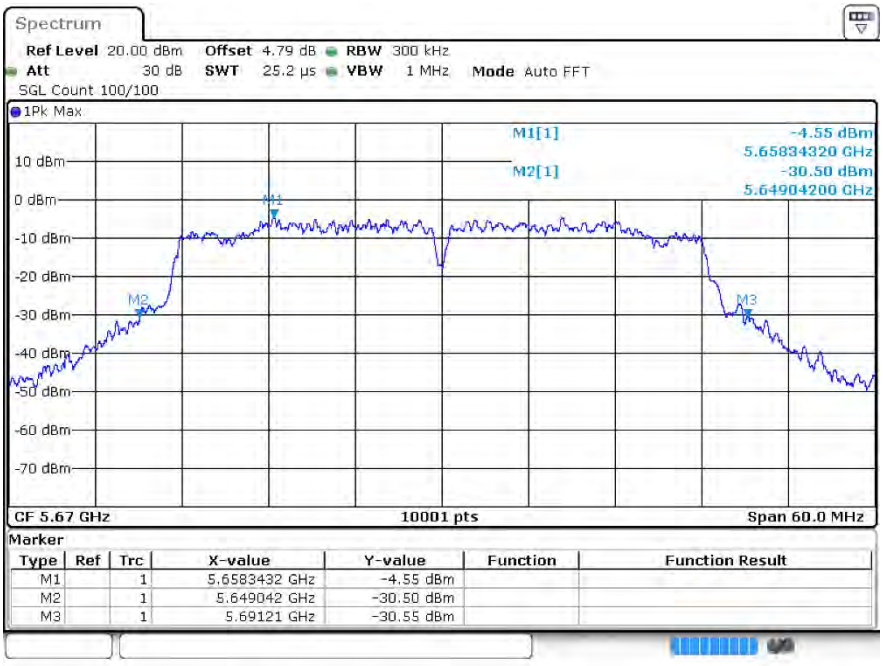
-26dB Bandwidth n40 5310MHz Ant1



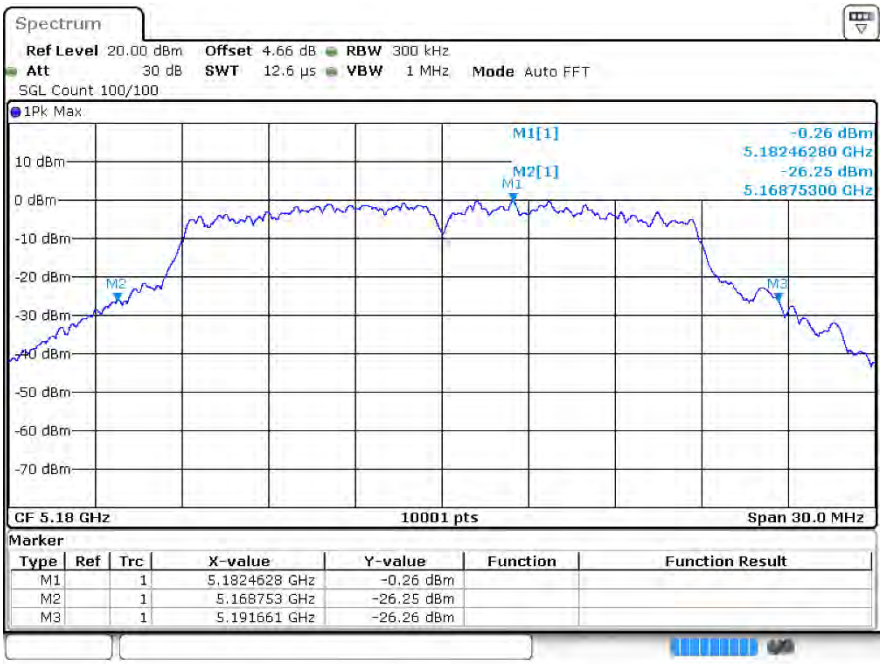
-26dB Bandwidthn40 5510MHz Ant1



-26dB Bandwidth n40 5670MHz Ant1



-26dB Bandwidth ac20 5180MHz Ant1



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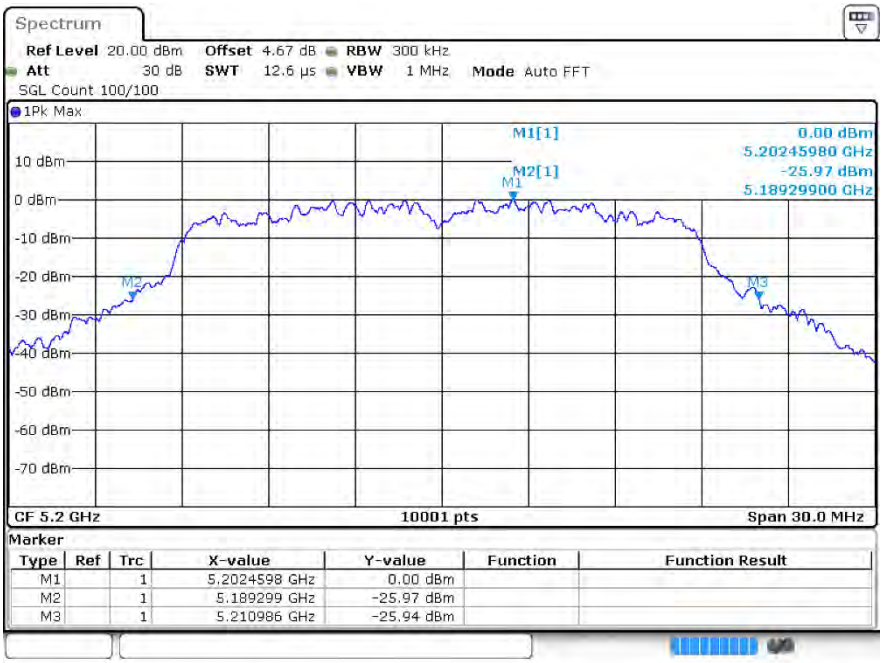
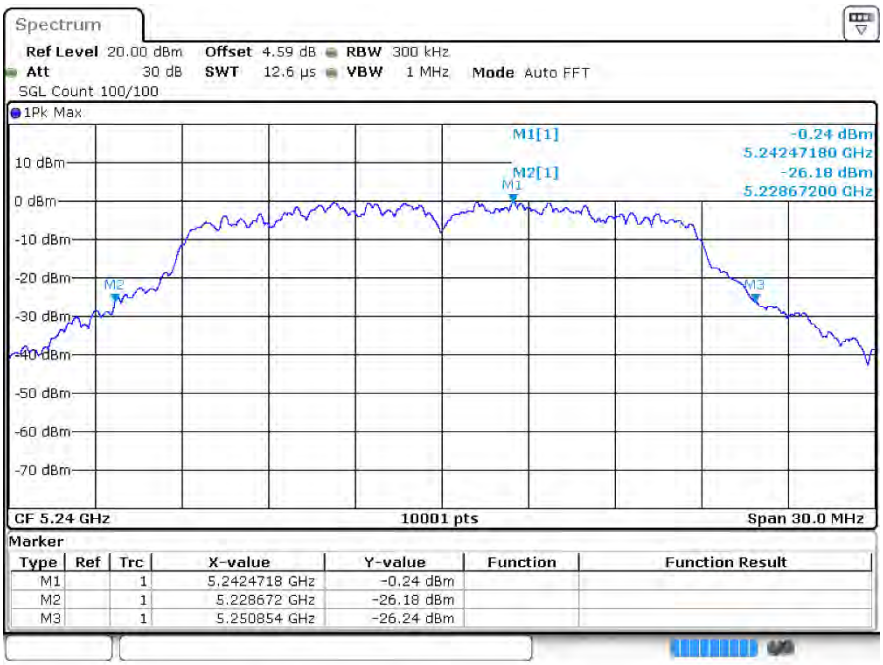
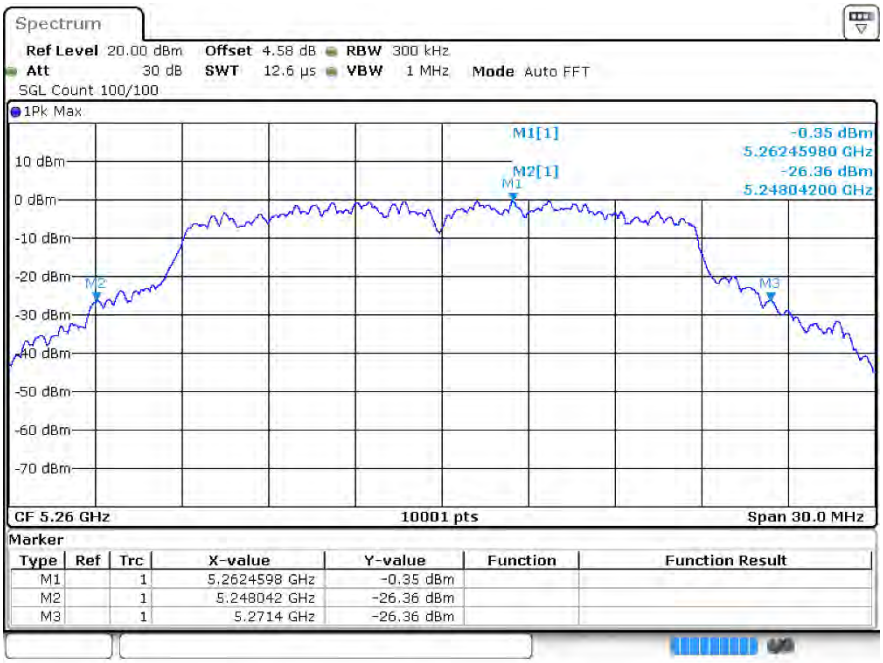


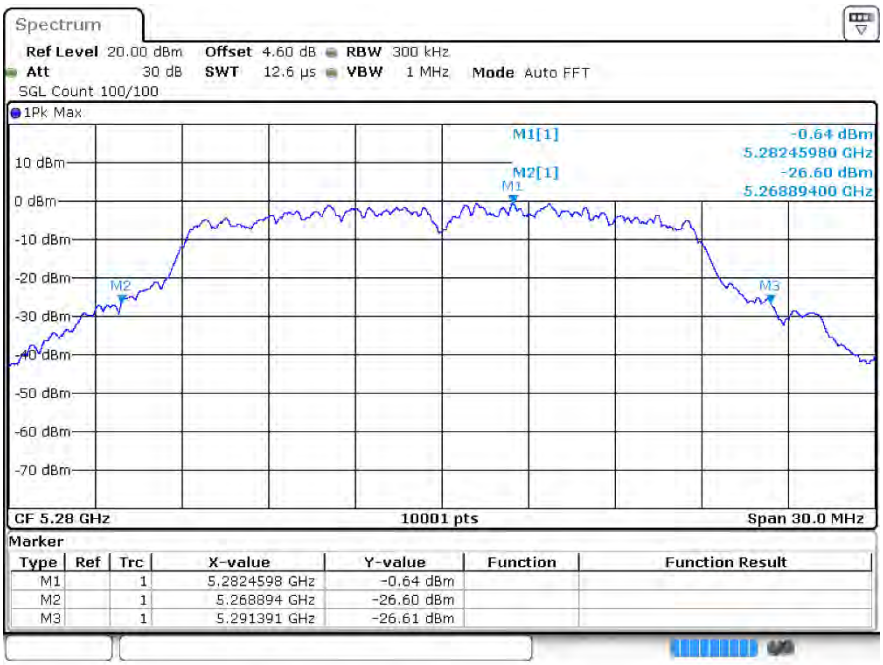
-26dB Bandwidth ac20 5240MHz Ant1



-26dB Bandwidth ac20 5260MHz Ant1



-26dB Bandwidth ac20 5280MHz Ant1



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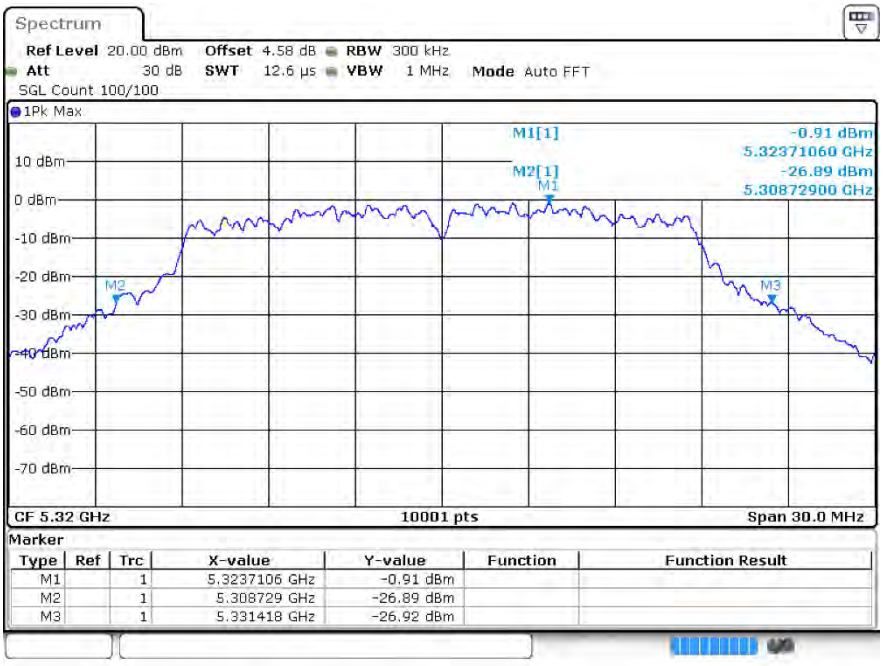

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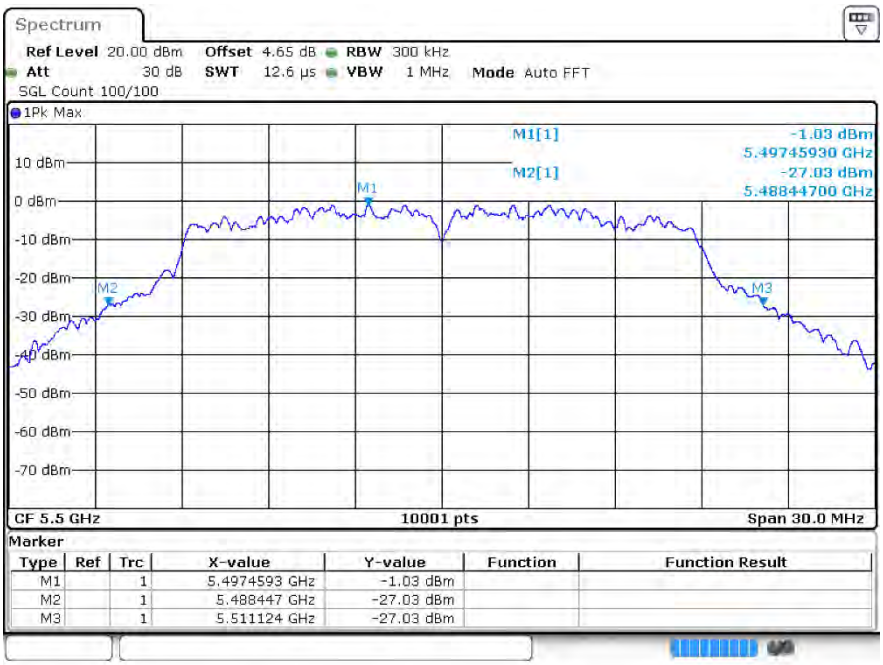

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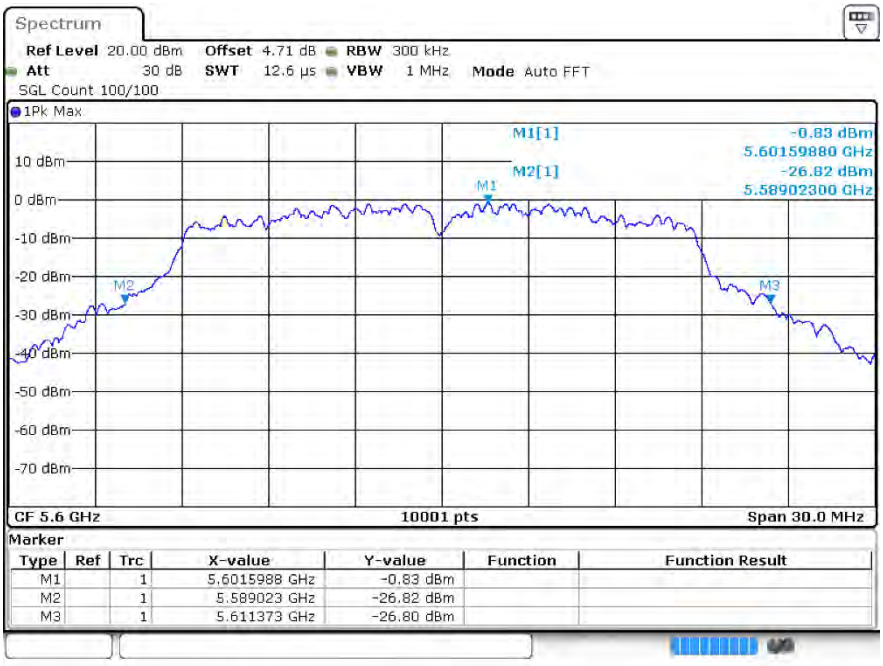

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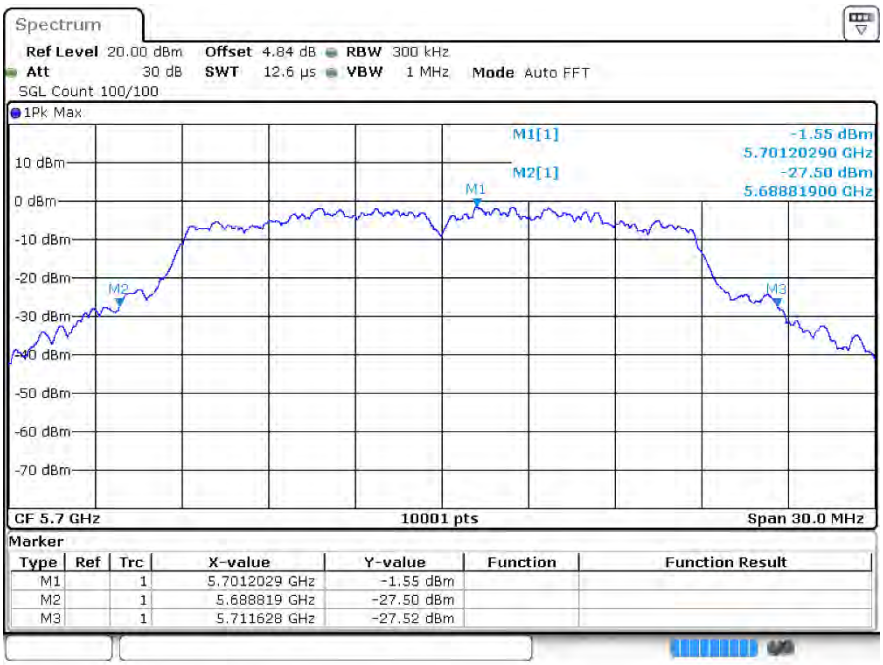
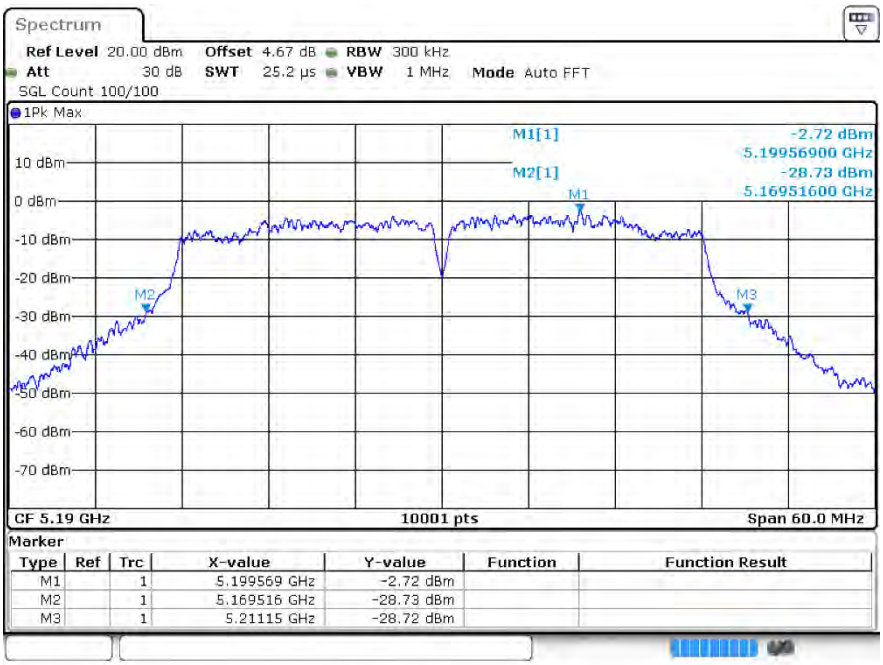


-26dB Bandwidthac40 5190MHz Ant1



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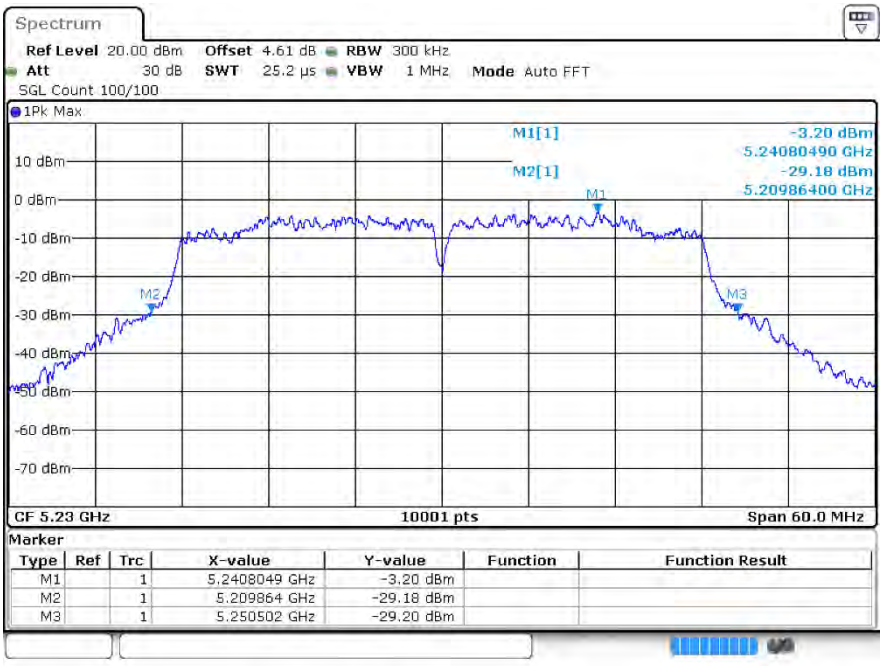

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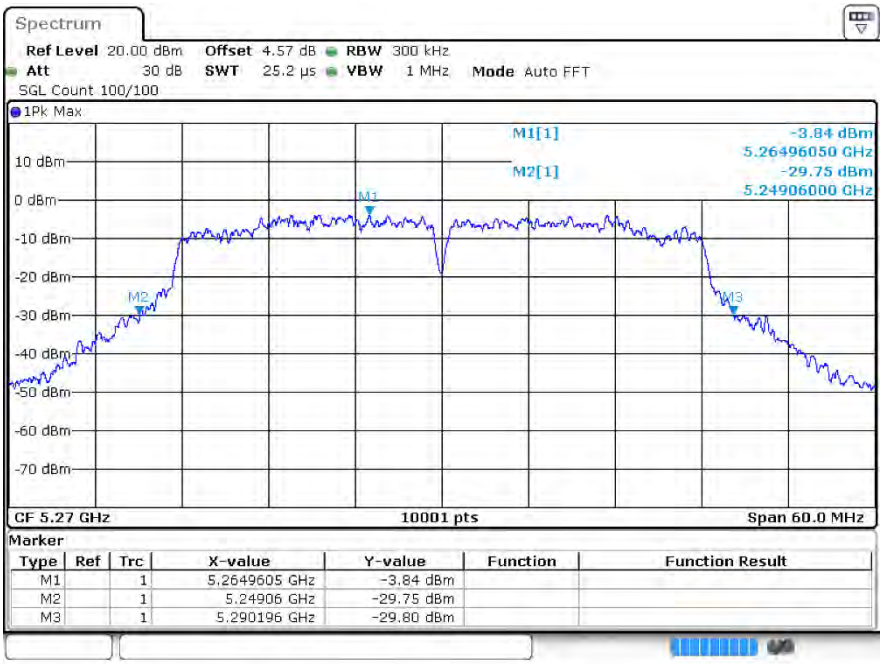
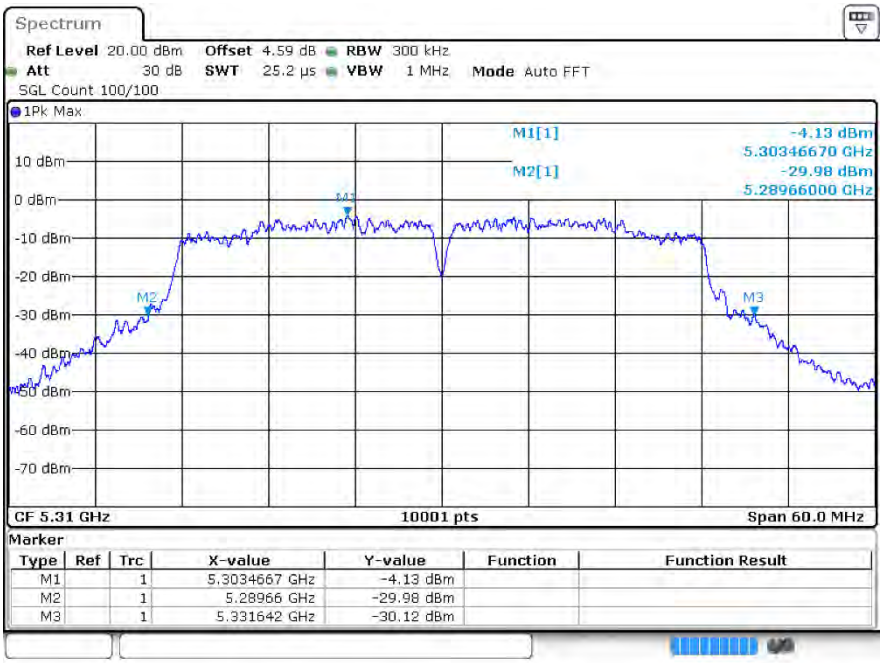


-26dB Bandwidth ac40 5310MHz Ant1



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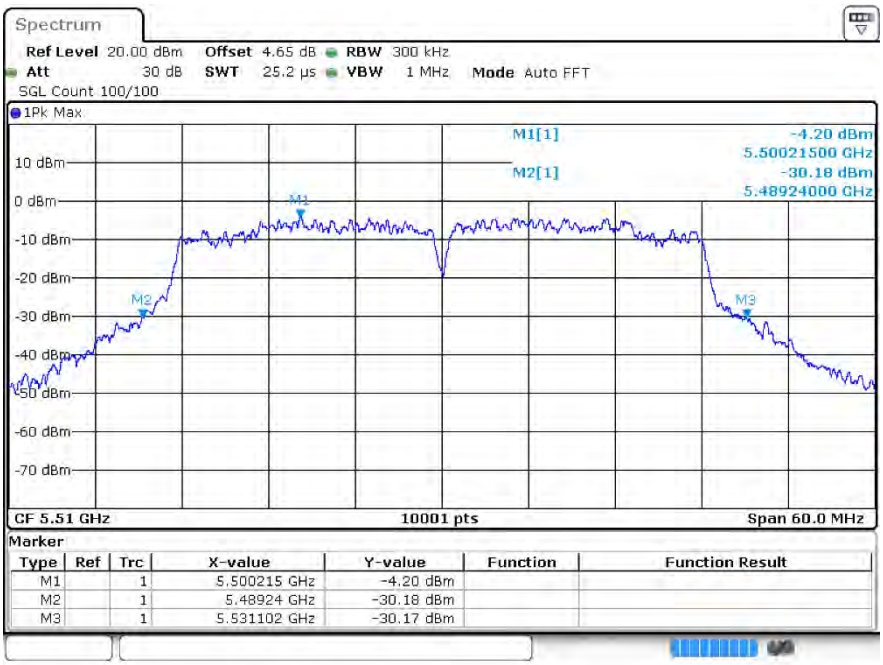
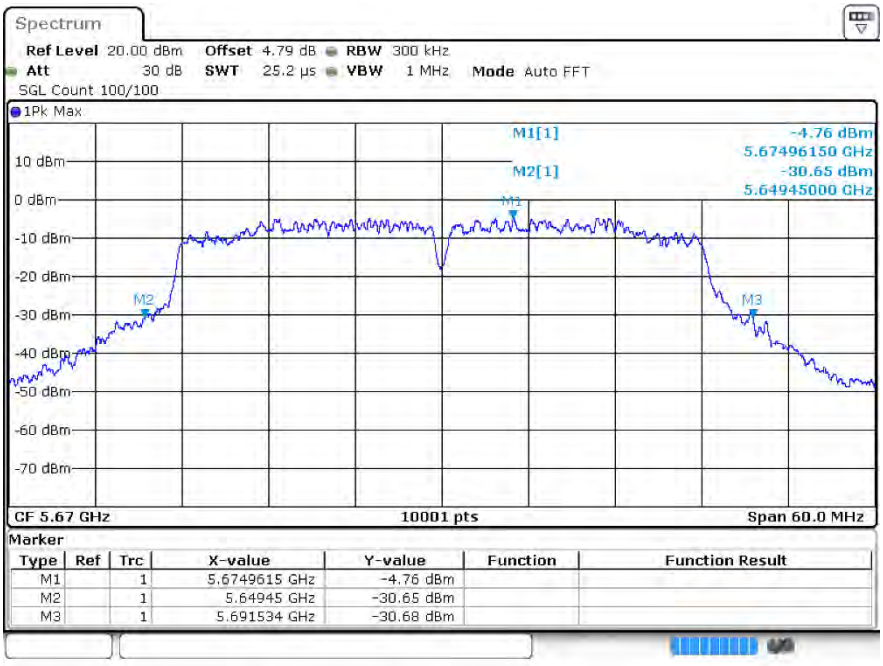
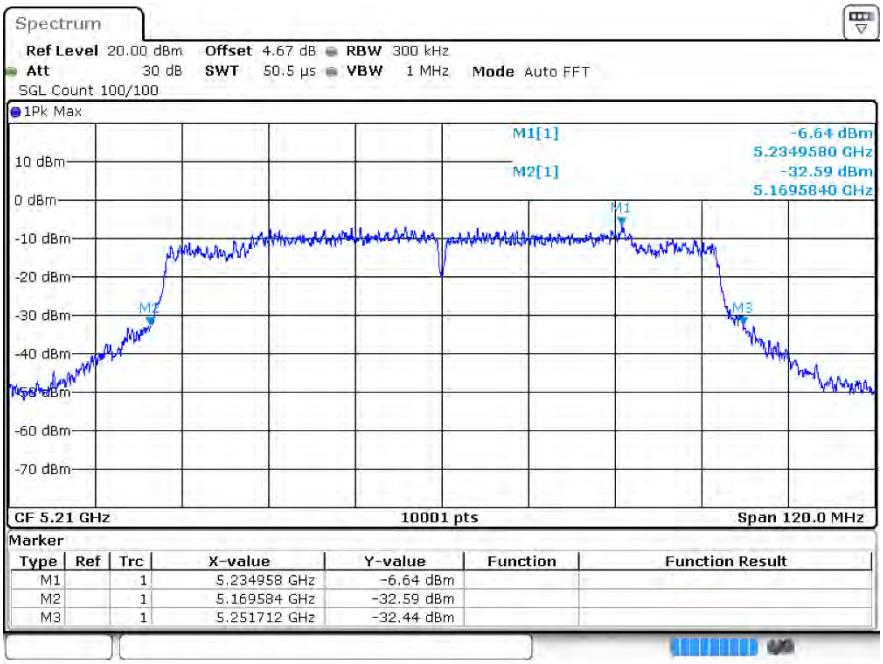


-26dB Bandwidth ac40 5670MHz Ant1



-26dB Bandwidthac80 5210MHz Ant1



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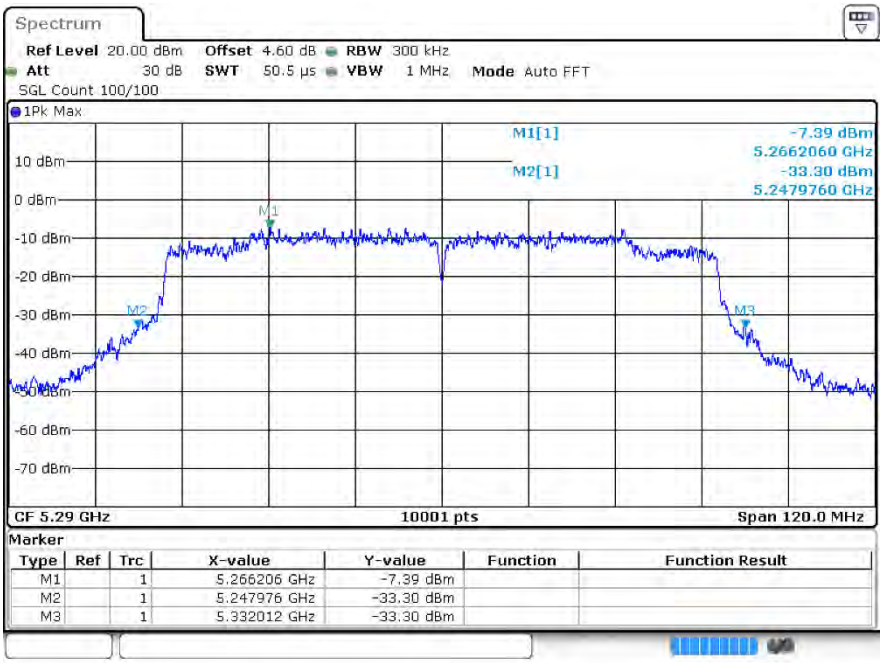
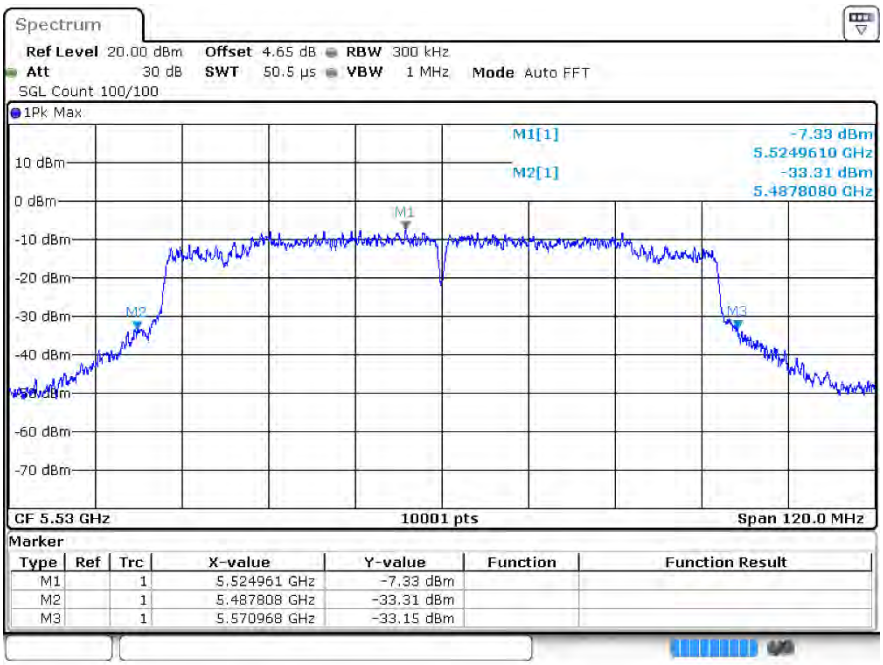
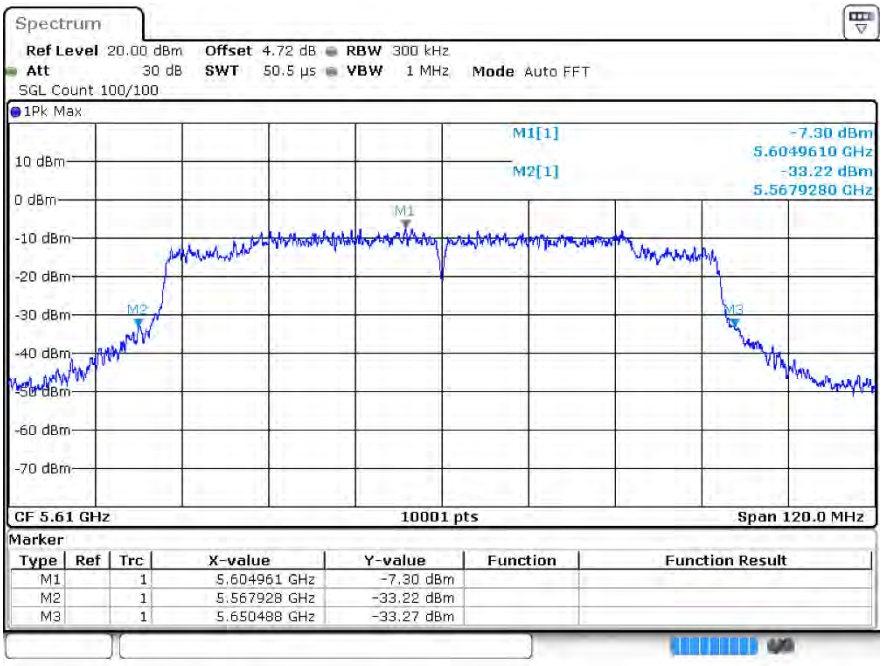


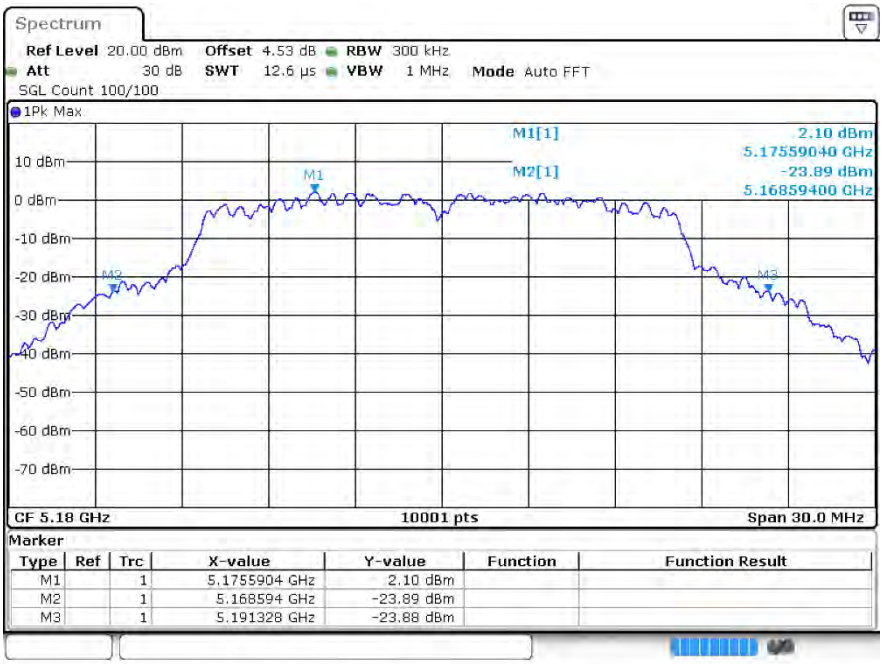
-26dB Bandwidth ac80 5530MHz Ant1



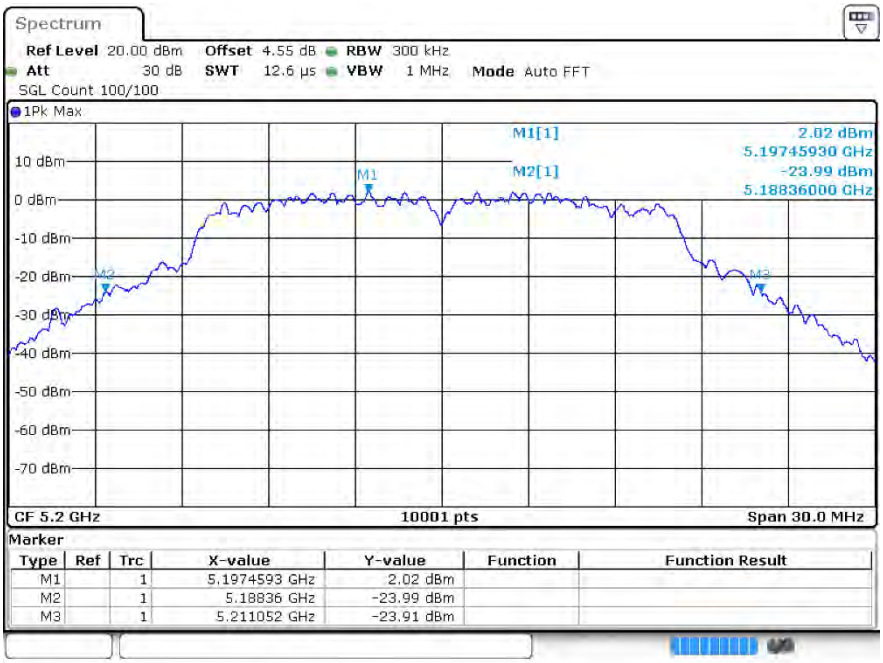
-26dB Bandwidthac80 5610MHz Ant1



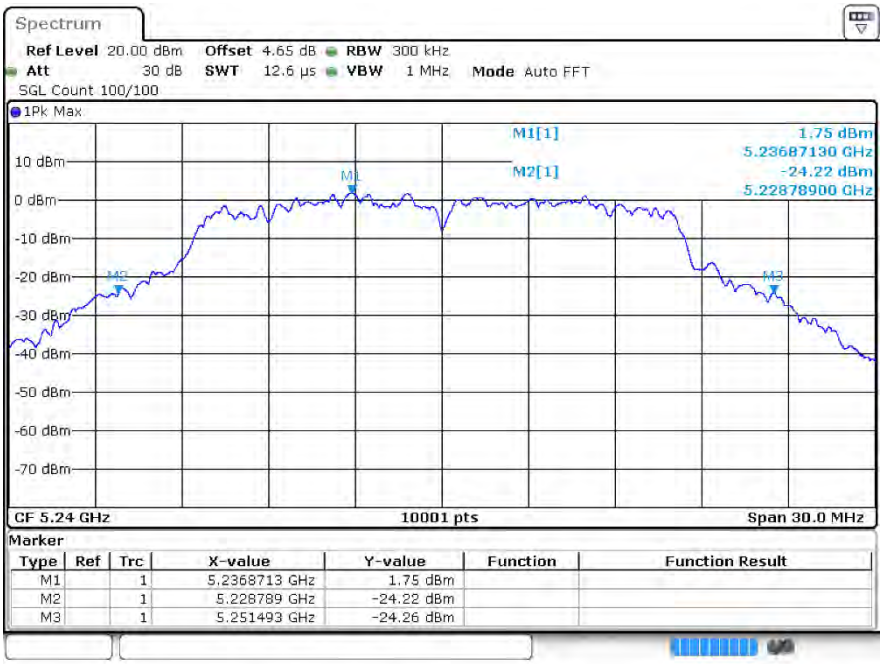
-26dB Bandwidtha 5180MHz Ant2



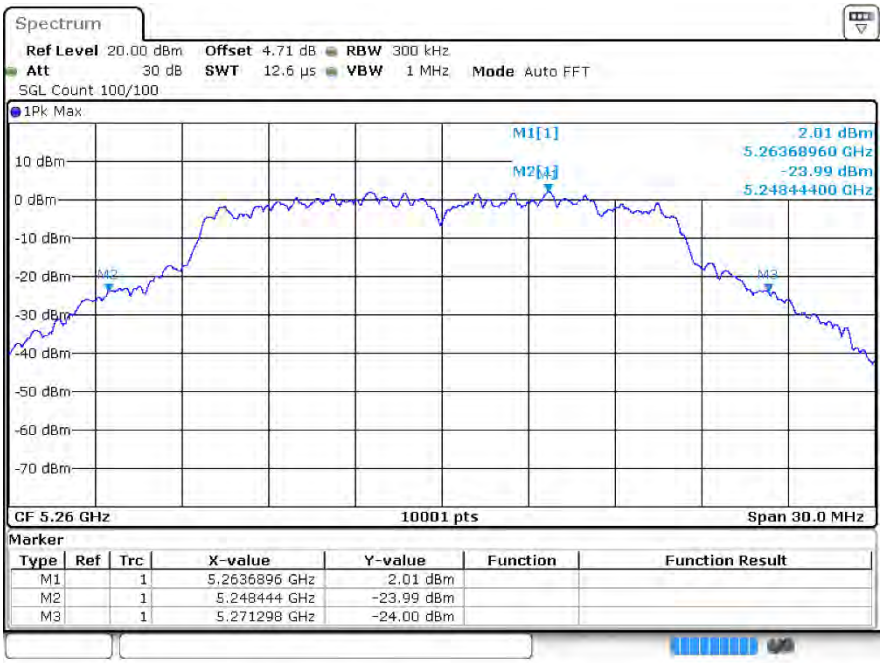
-26dB Bandwidtha 5200MHz Ant2



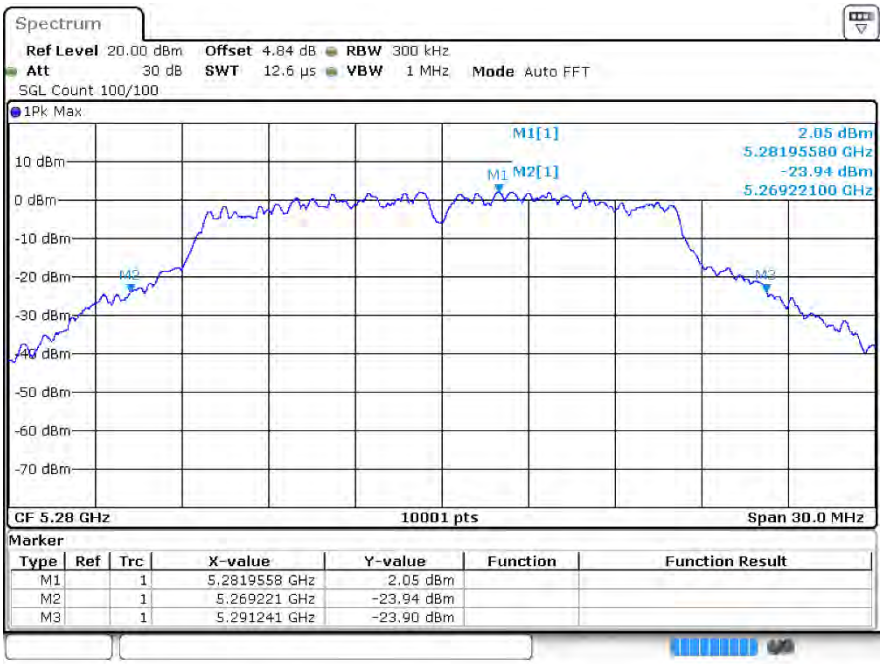
-26dB Bandwidtha 5240MHz Ant2



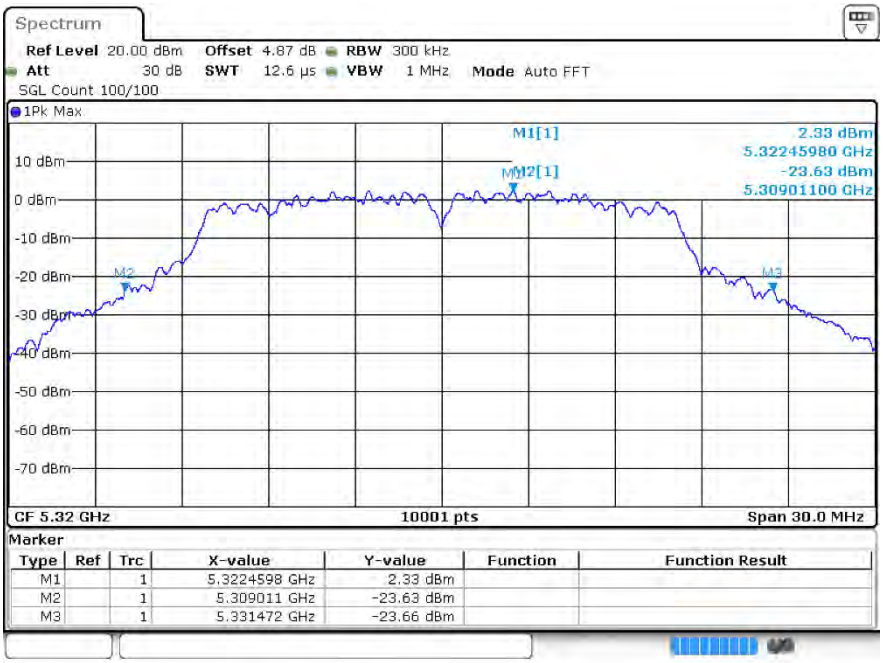
-26dB Bandwidtha 5260MHz Ant2



-26dB Bandwidtha 5280MHz Ant2



-26dB Bandwidth a 5320MHz Ant2



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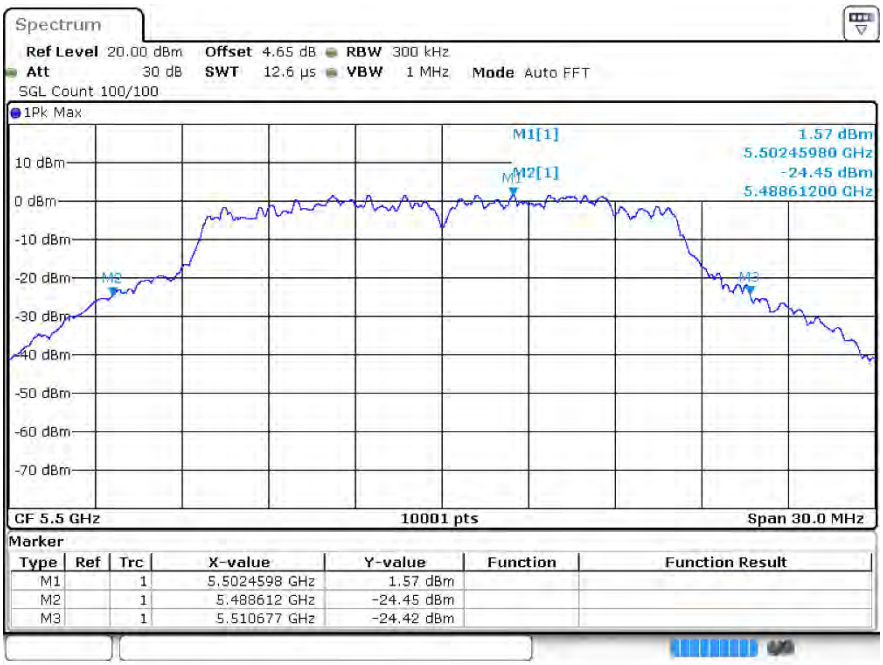
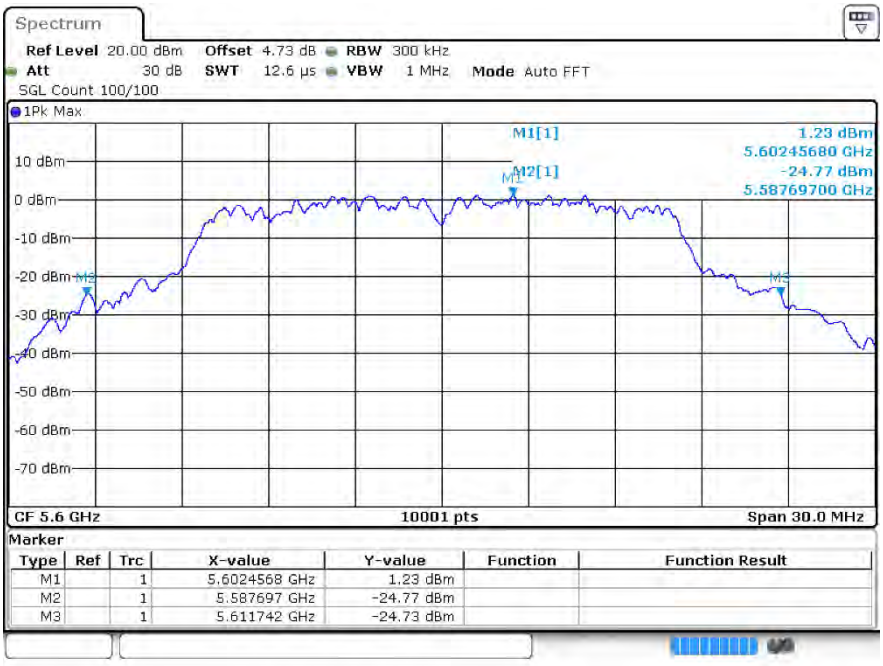
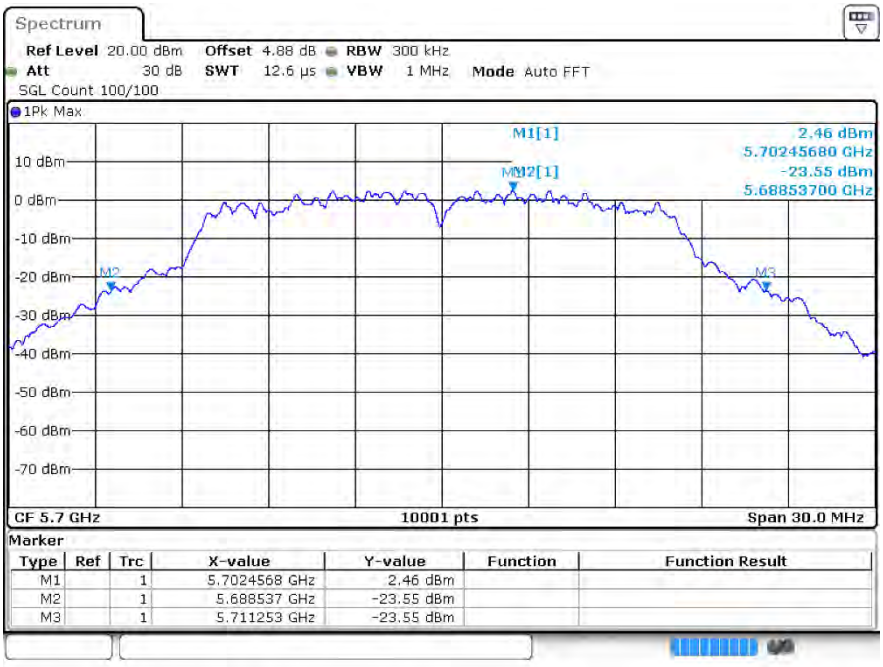


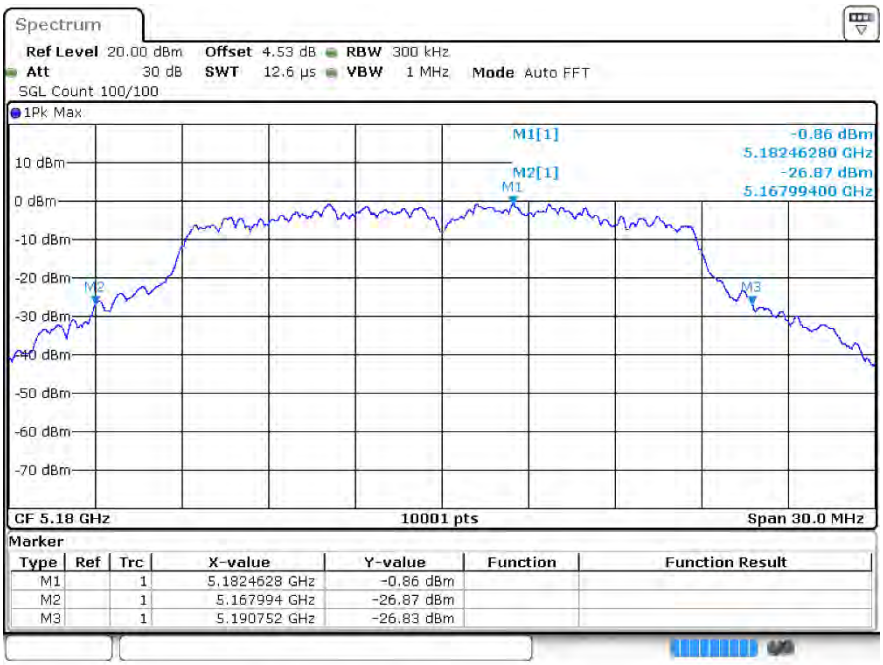
-26dB Bandwidtha 5600MHz Ant2



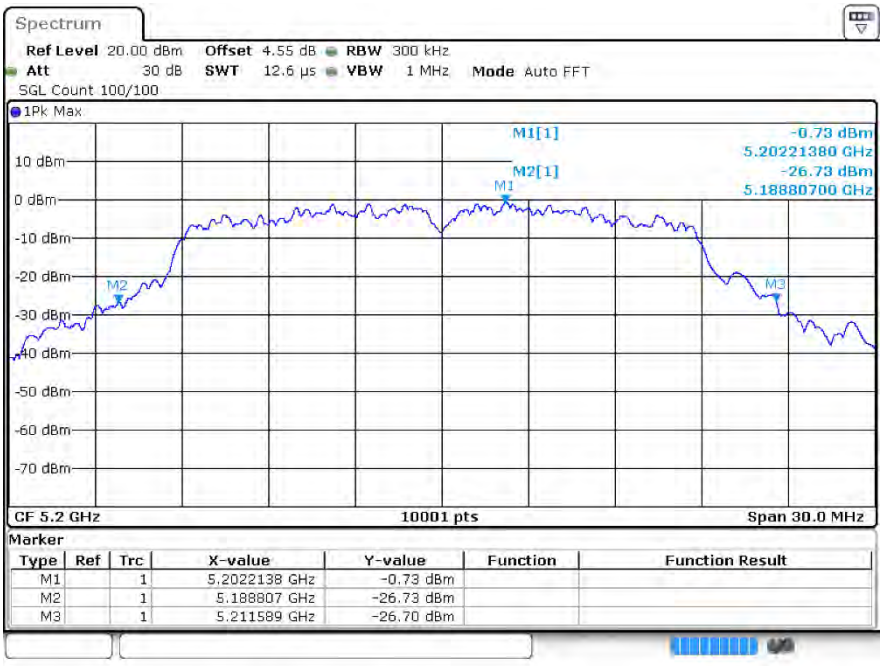
-26dB Bandwidth a 5700MHz Ant2



-26dB Bandwidth n20 5180MHz Ant2



-26dB Bandwidth n20 5200MHz Ant2



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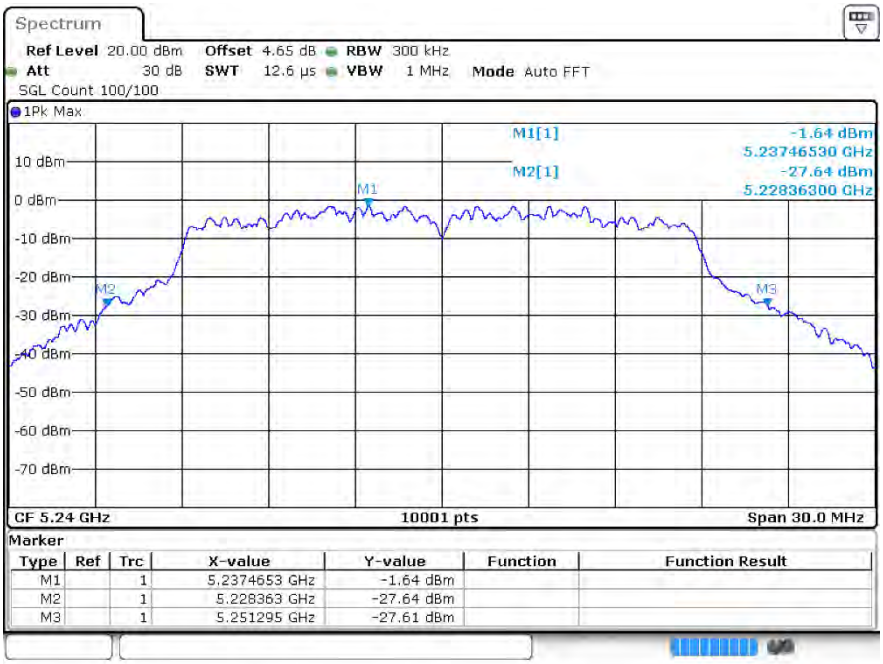
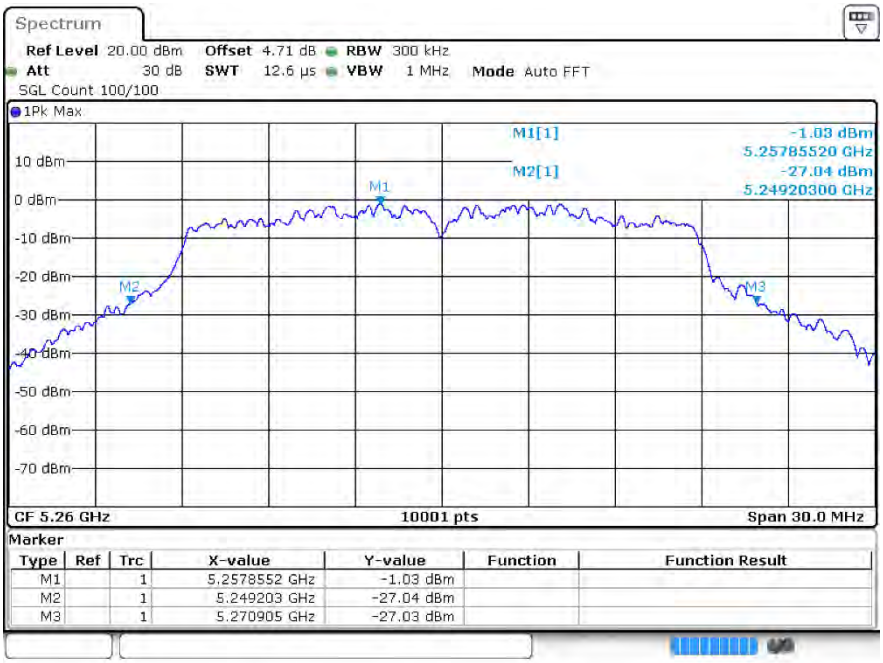


-26dB Bandwidth n20 5260MHz Ant2



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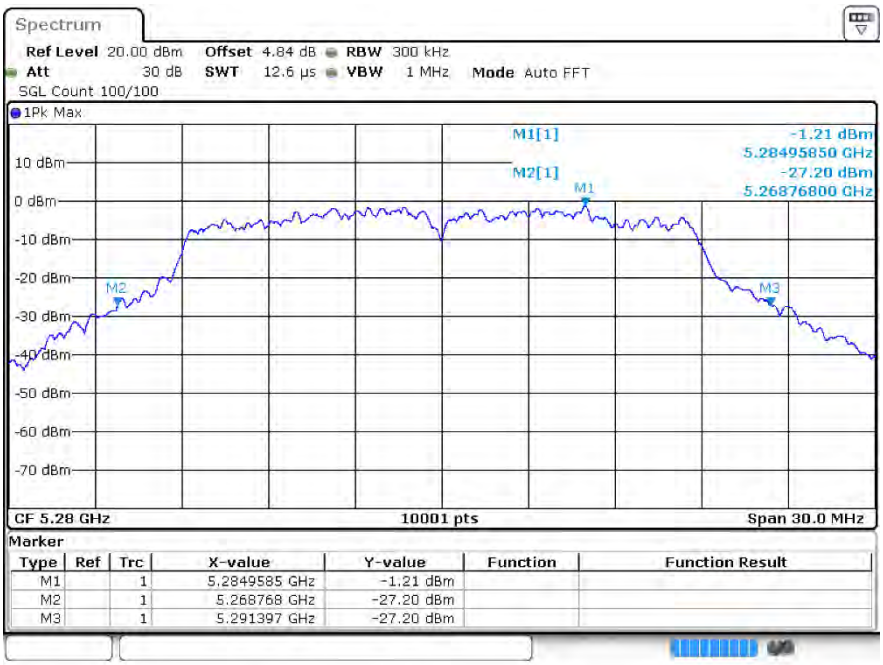

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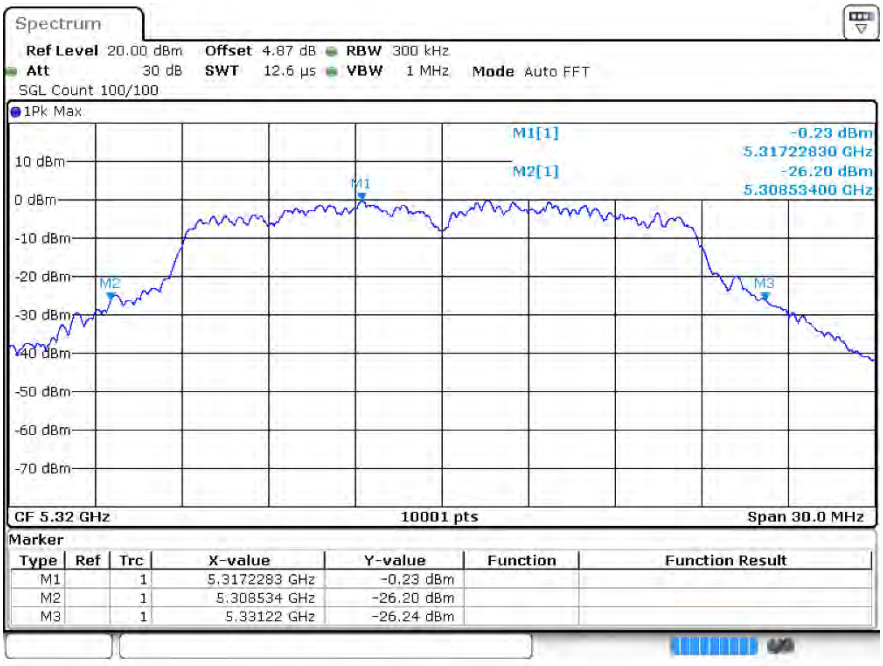

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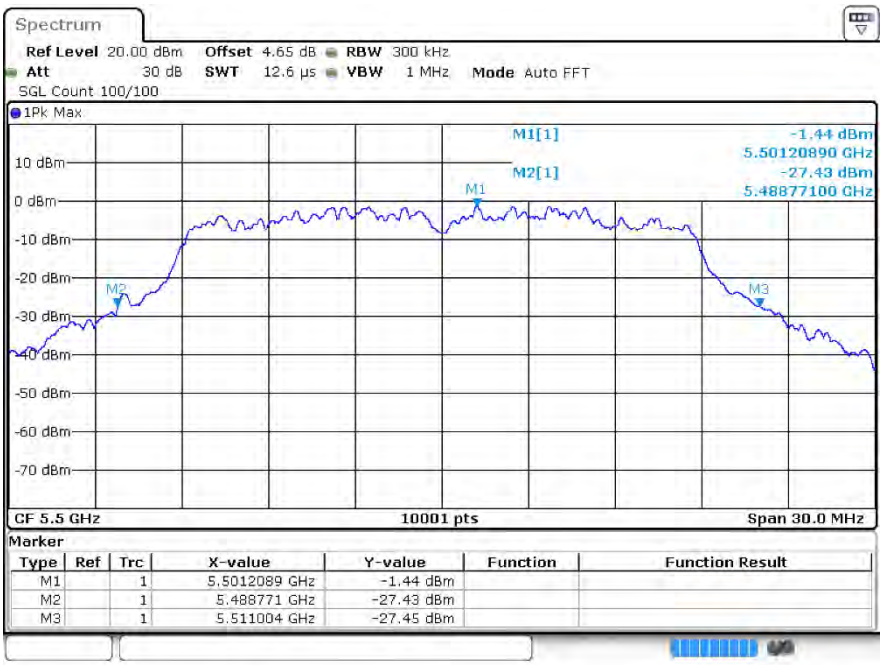

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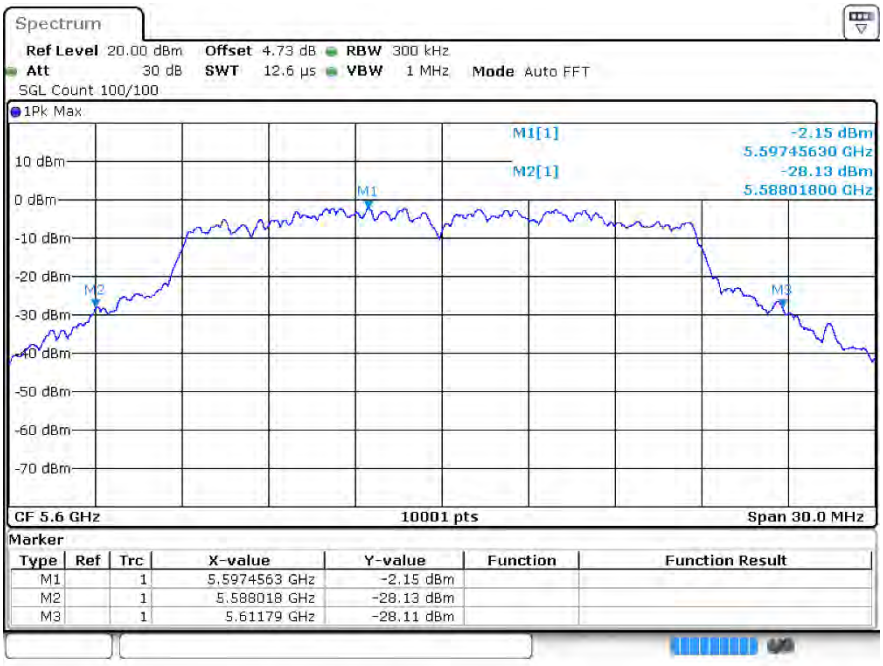

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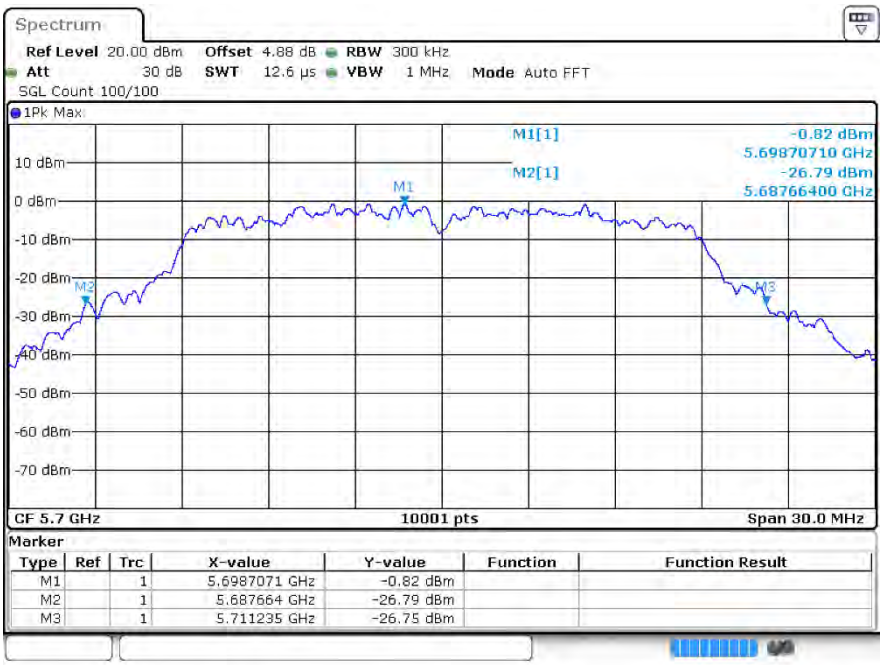
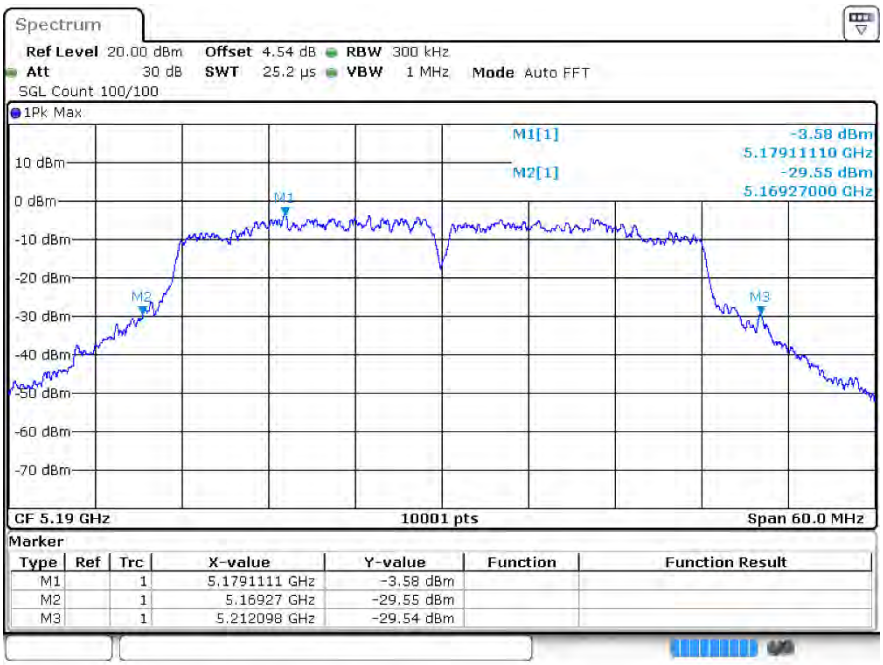


-26dB Bandwidthn40 5190MHz Ant2



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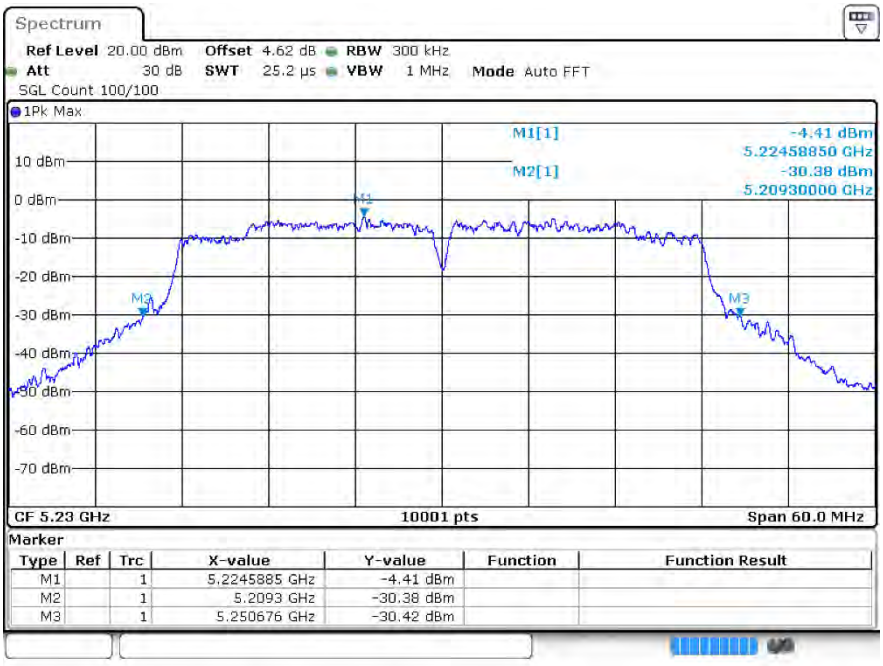

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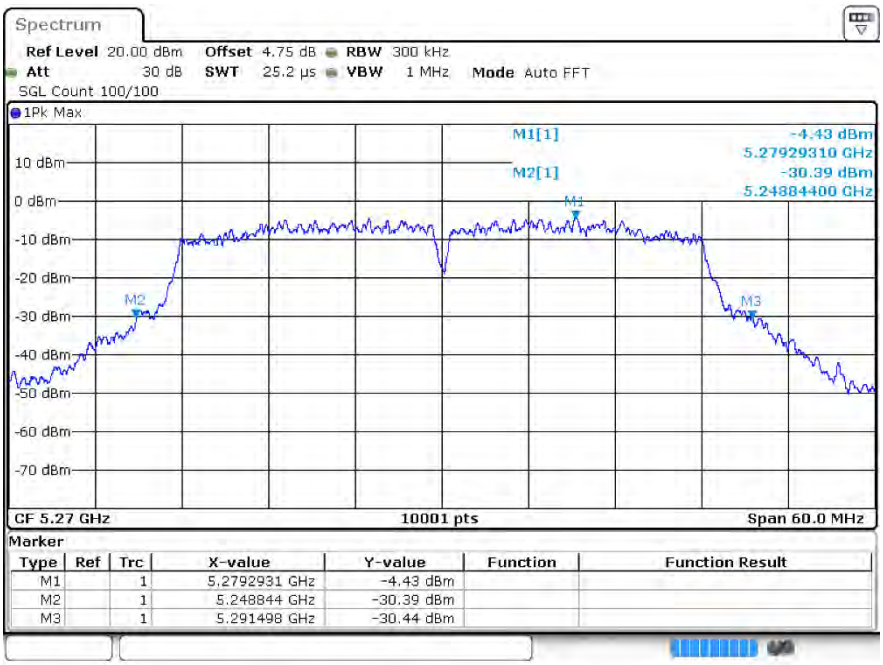

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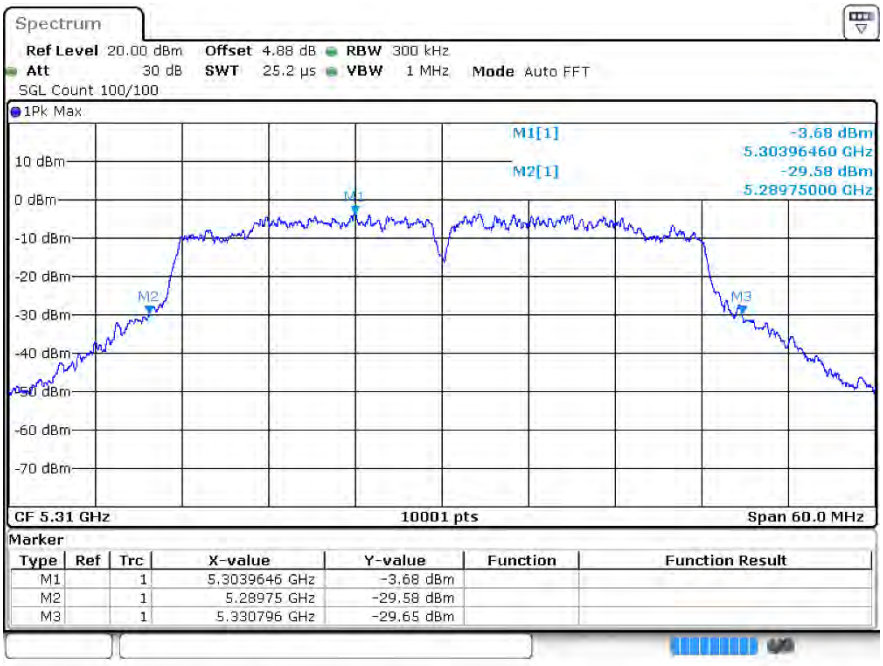
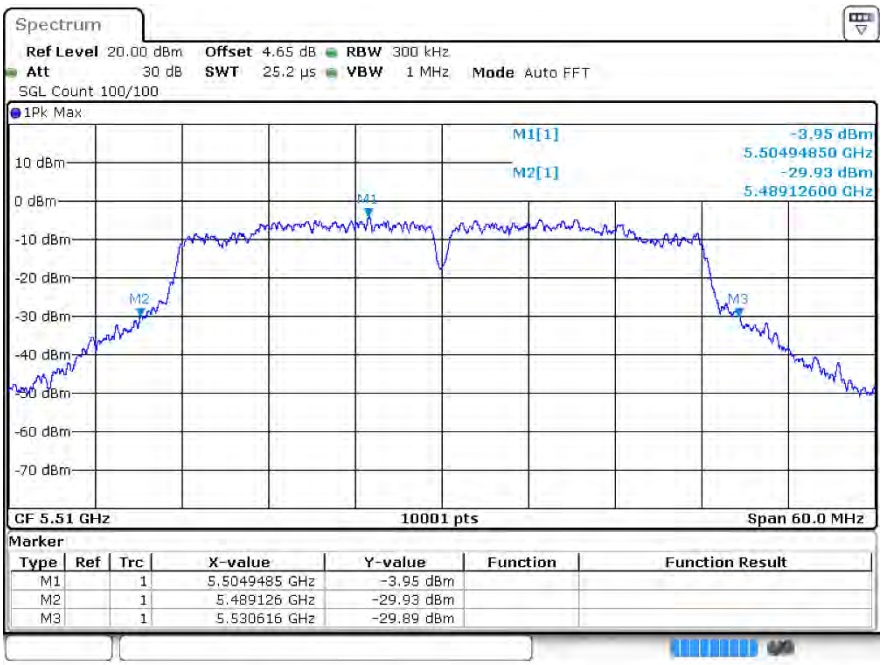
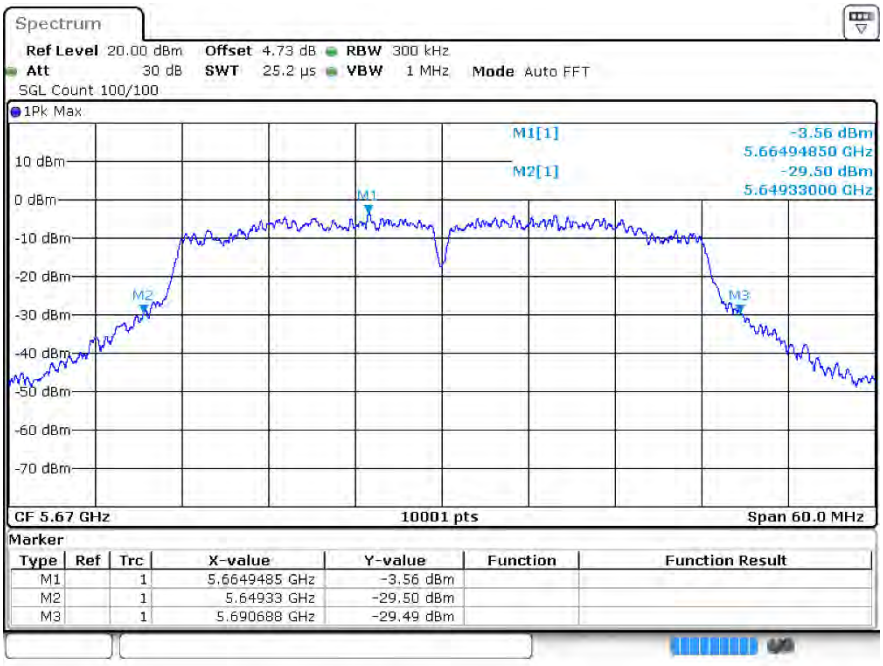


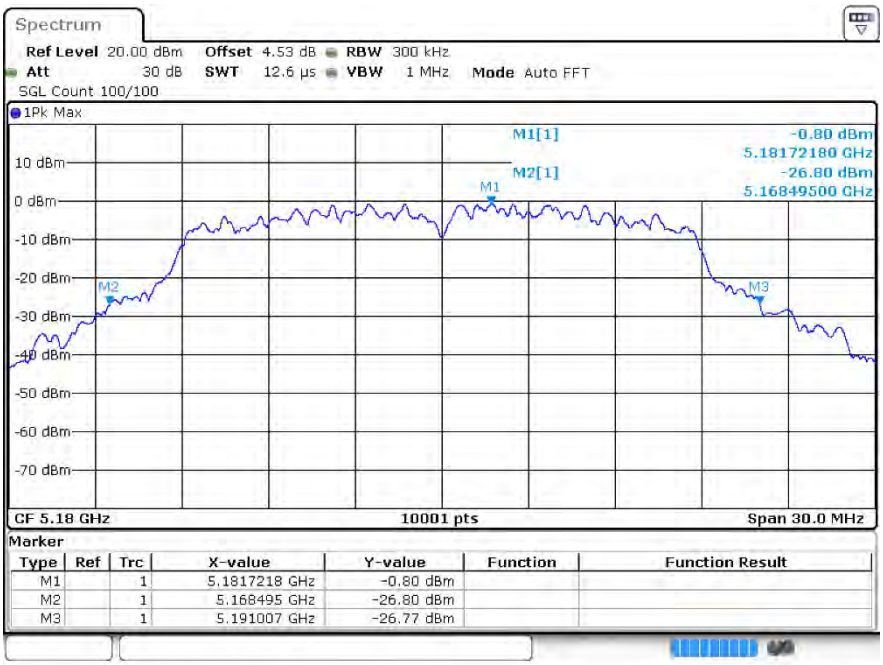
-26dB Bandwidthn40 5510MHz Ant2



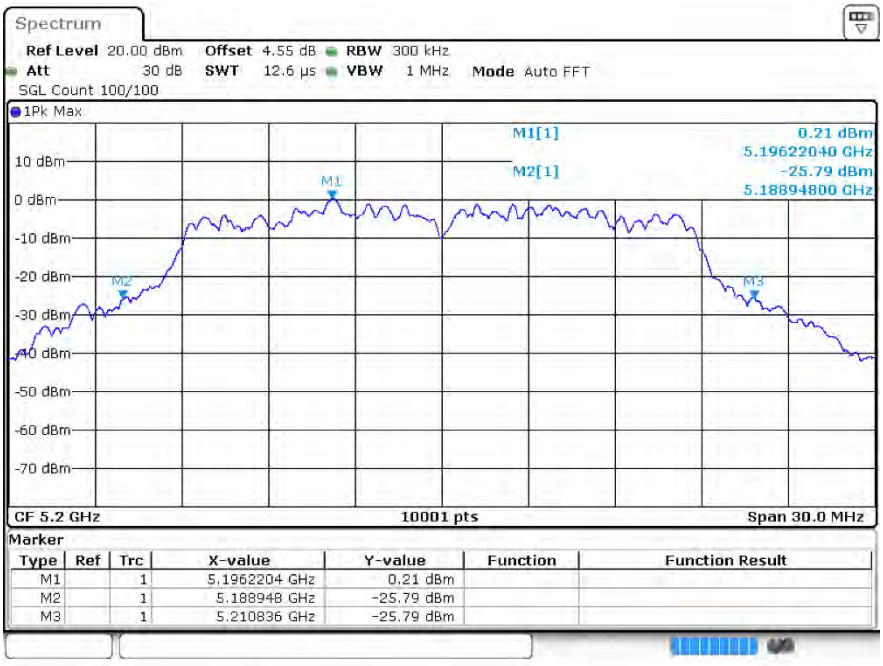
-26dB Bandwidth n40 5670MHz Ant2



-26dB Bandwidth ac20 5180MHz Ant2



-26dB Bandwidth ac20 5200MHz Ant2



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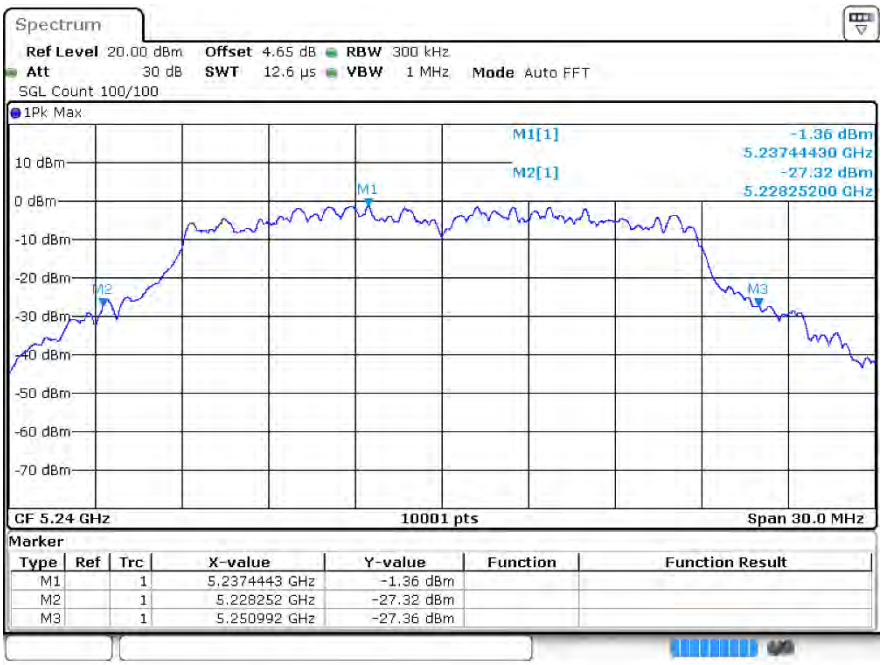
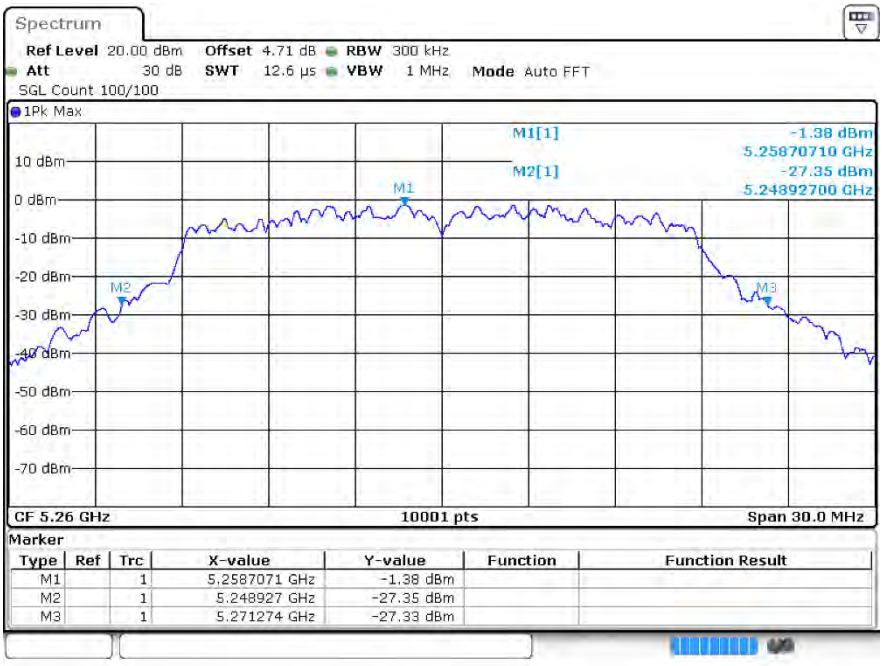
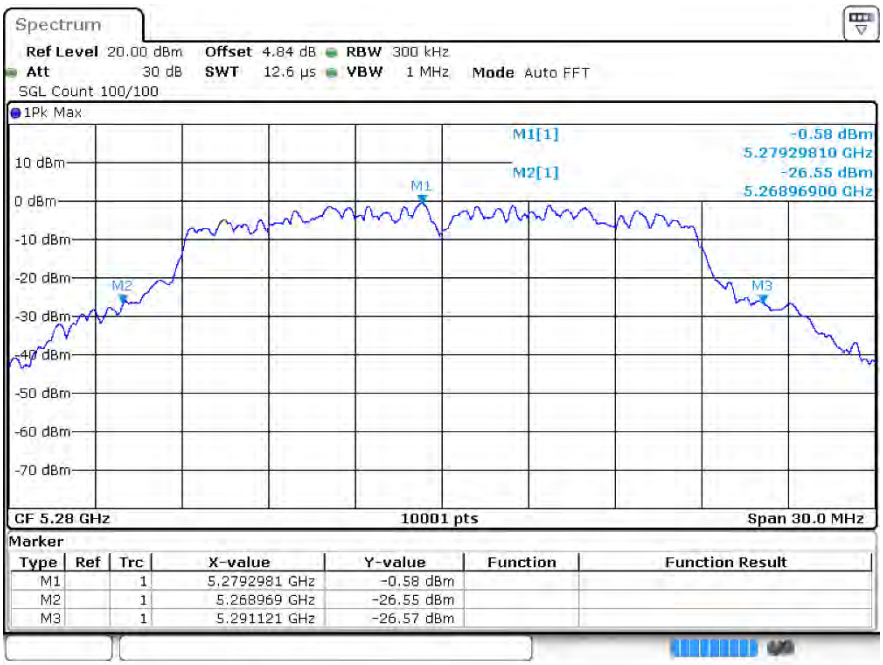


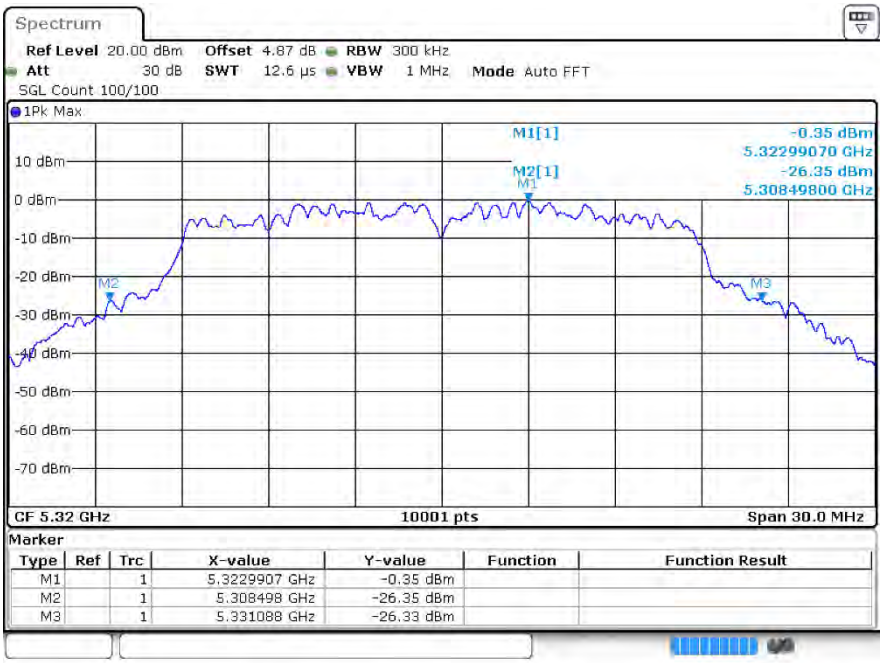
-26dB Bandwidth ac20 5260MHz Ant2



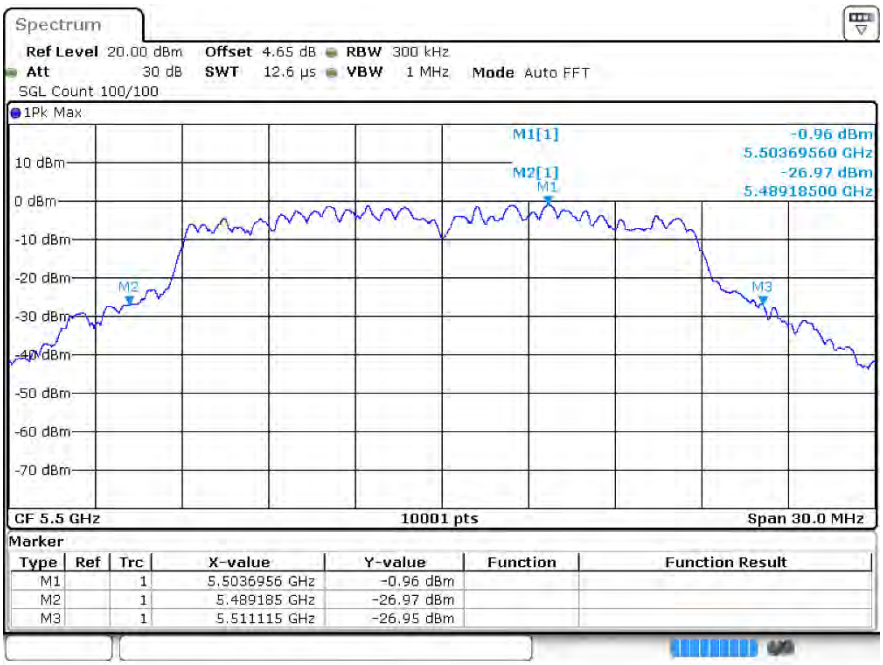
-26dB Bandwidth ac20 5280MHz Ant2



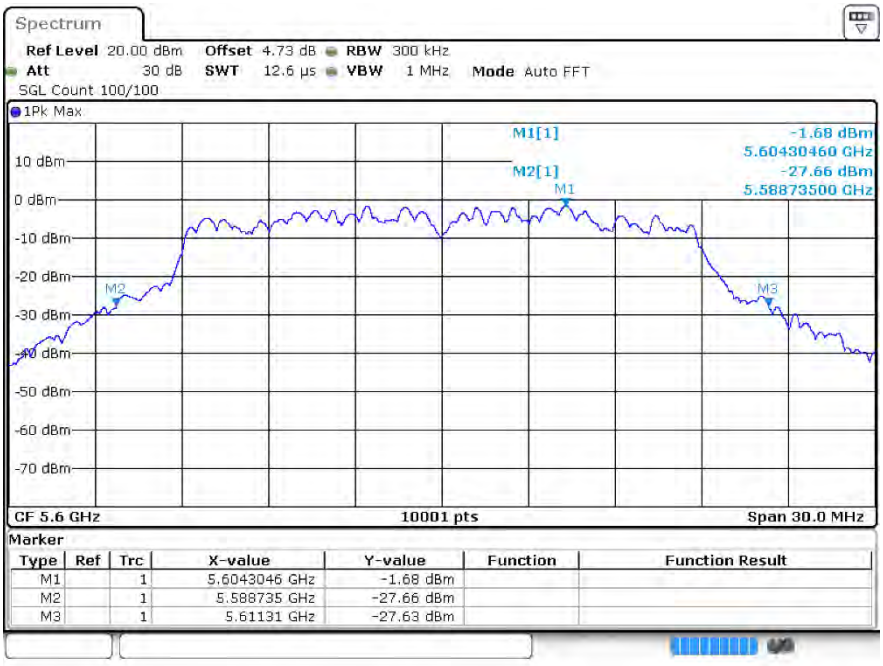
-26dB Bandwidth ac20 5320MHz Ant2



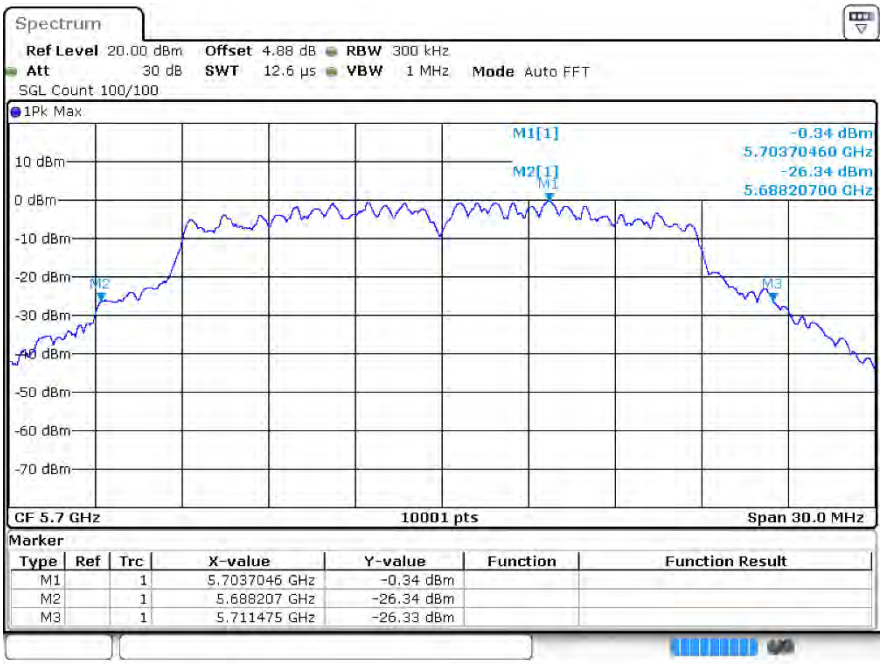
-26dB Bandwidth ac20 5500MHz Ant2



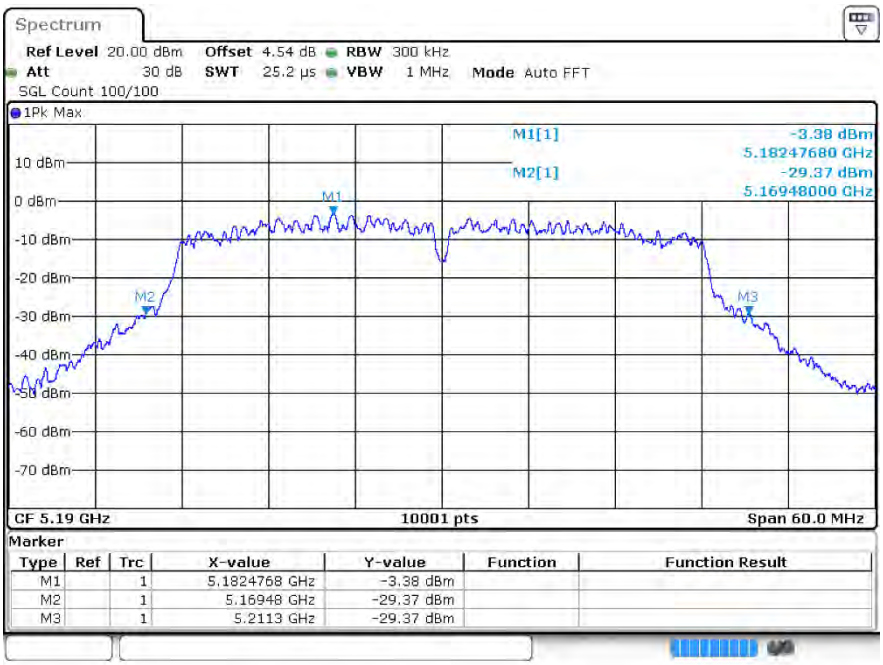
-26dB Bandwidth ac20 5600MHz Ant2



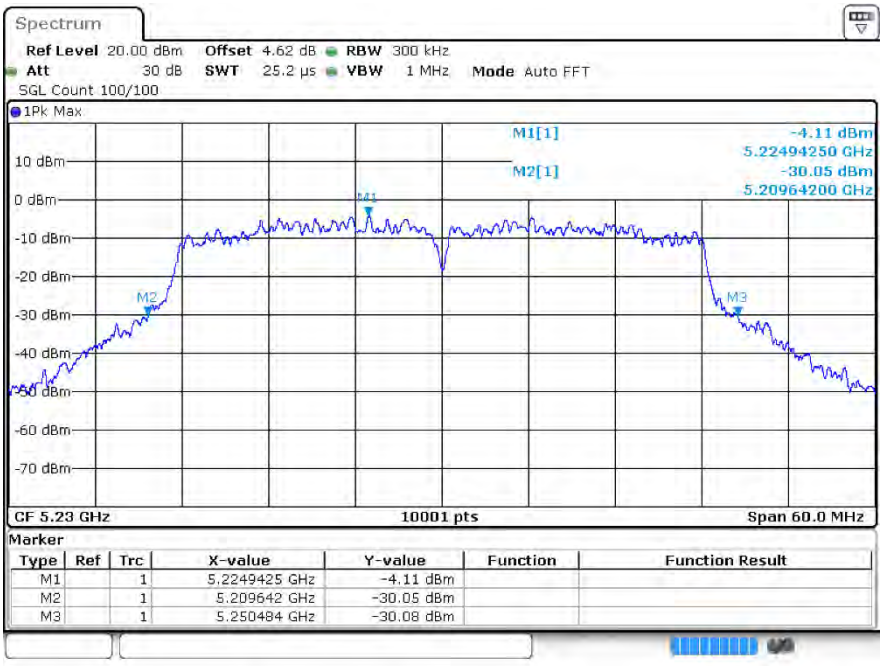
-26dB Bandwidth ac20 5700MHz Ant2



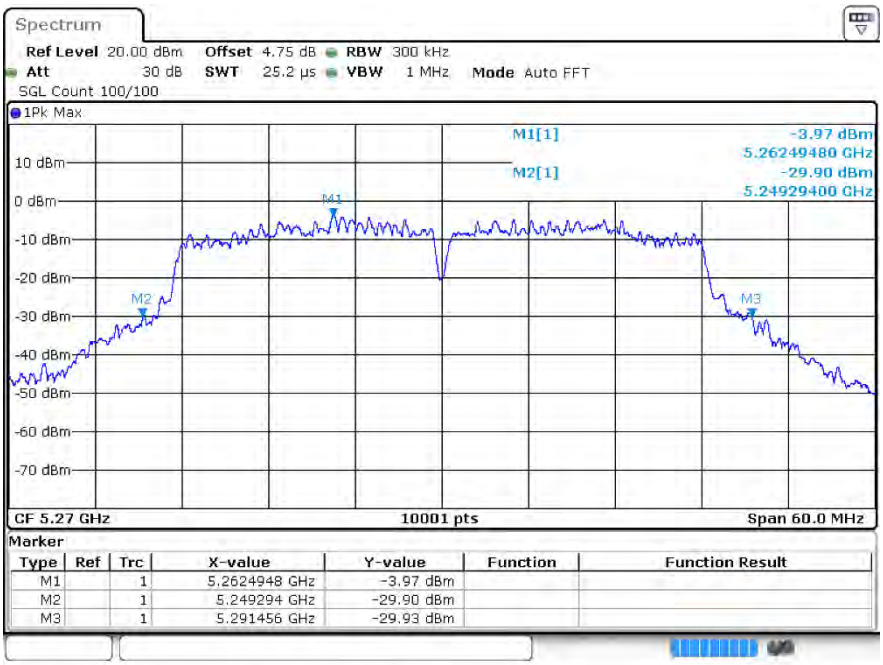
-26dB Bandwidthac40 5190MHz Ant2



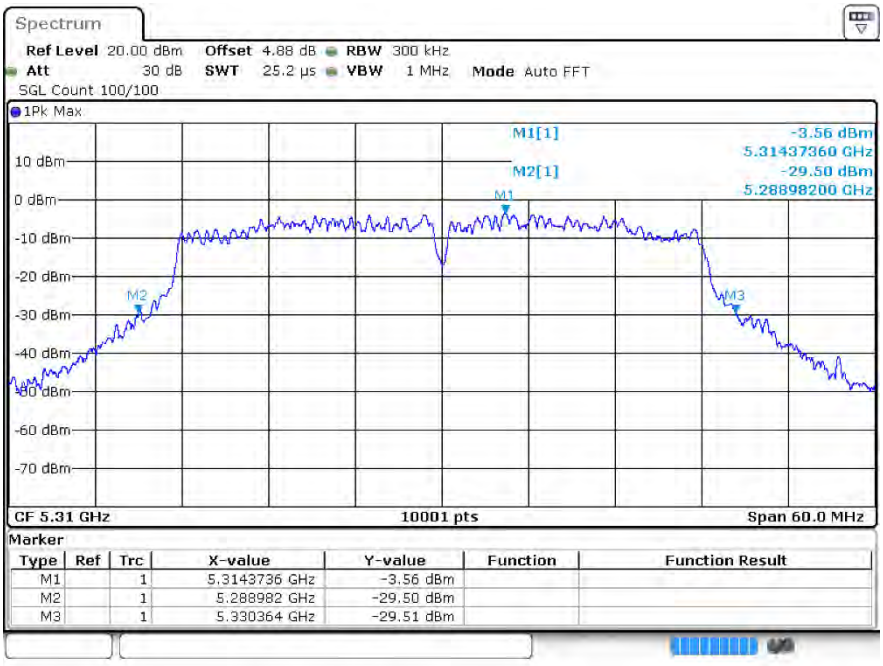
-26dB Bandwidthac40 5230MHz Ant2



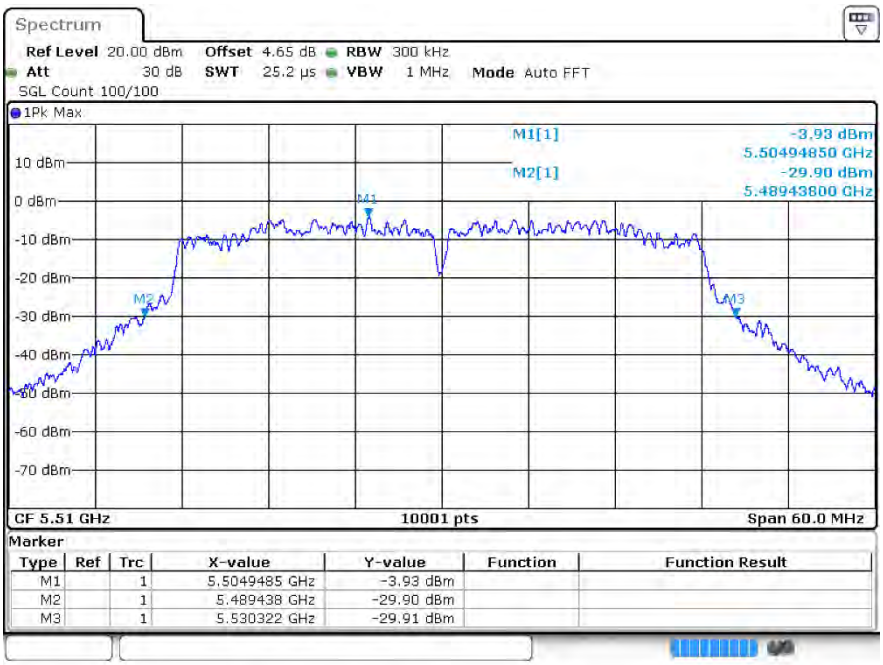
-26dB Bandwidth ac40 5270MHz Ant2



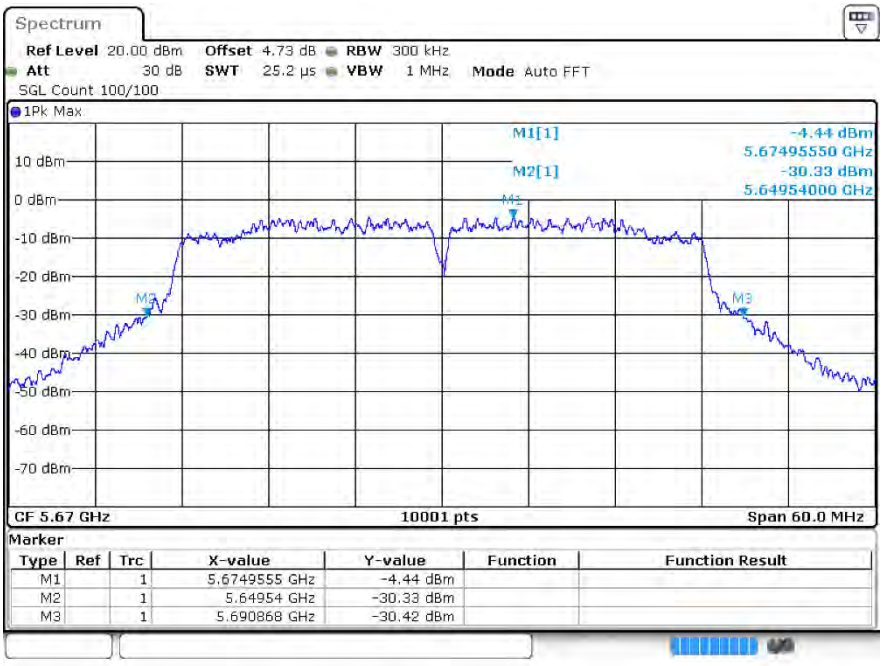
-26dB Bandwidth ac40 5310MHz Ant2



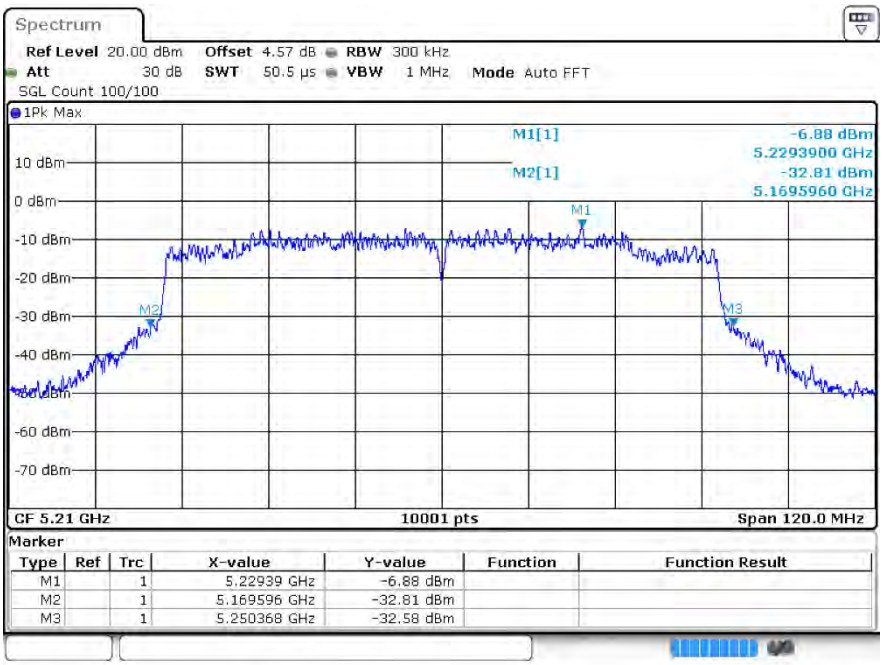
-26dB Bandwidthac40 5510MHz Ant2



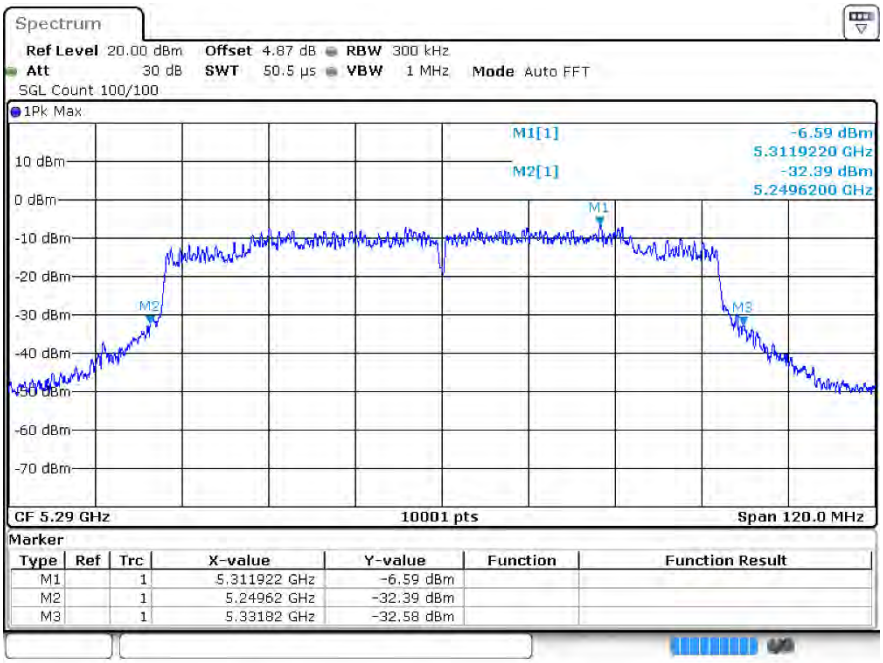
-26dB Bandwidth ac40 5670MHz Ant2



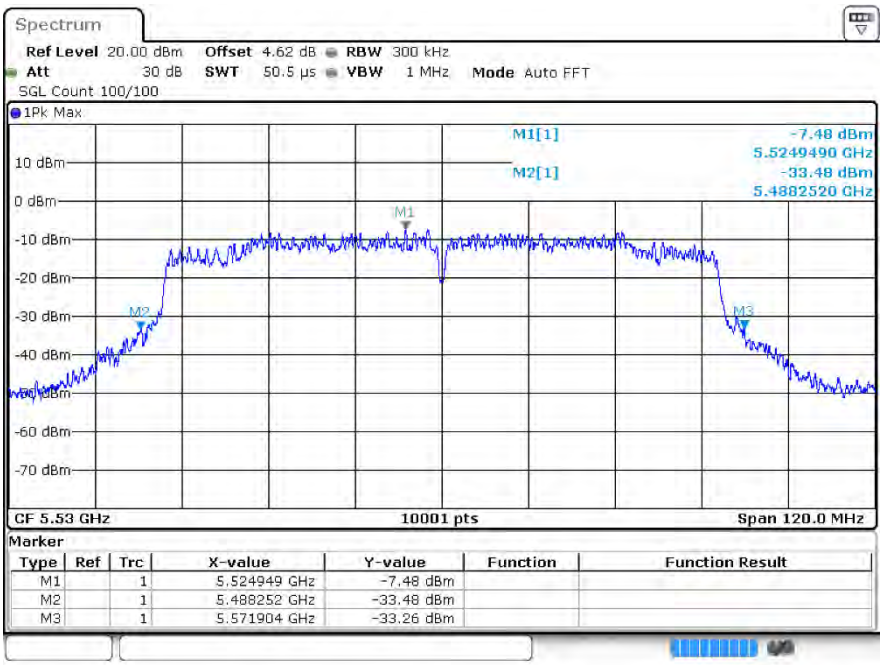
-26dB Bandwidthac80 5210MHz Ant2



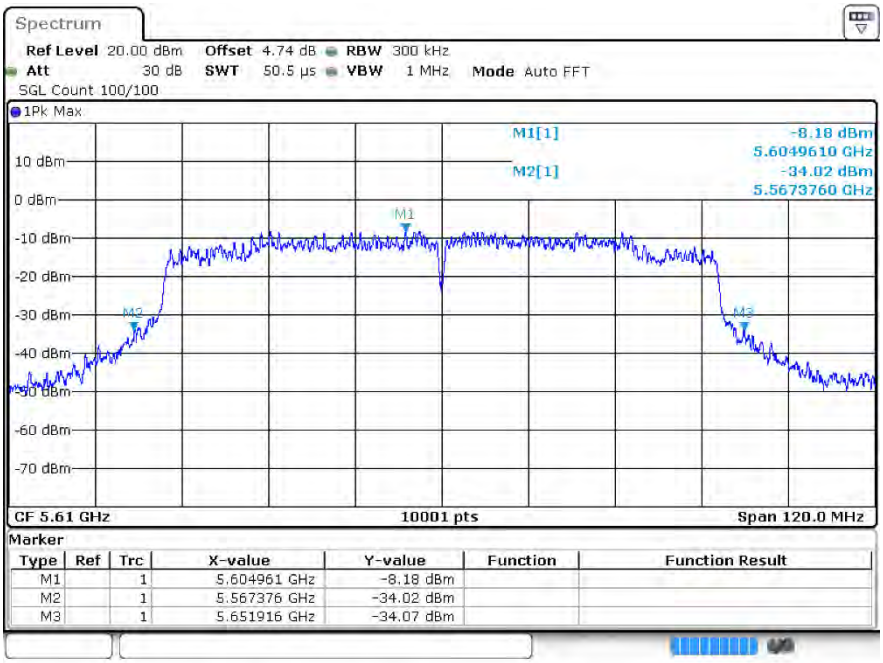
-26dB Bandwidthac80 5290MHz Ant2



-26dB Bandwidth ac80 5530MHz Ant2



-26dB Bandwidthac80 5610MHz Ant2



4 Occupied Channel Bandwidth

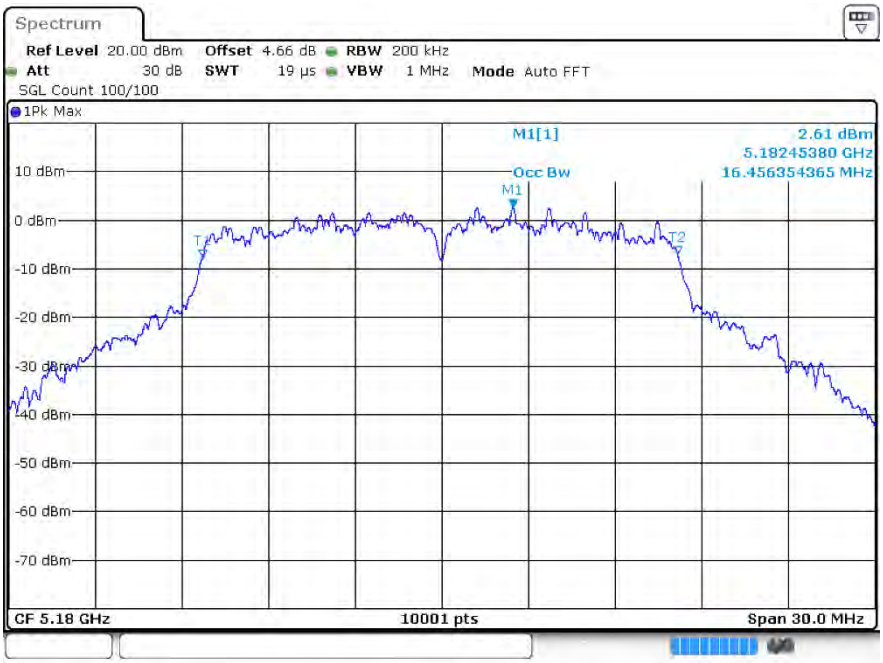
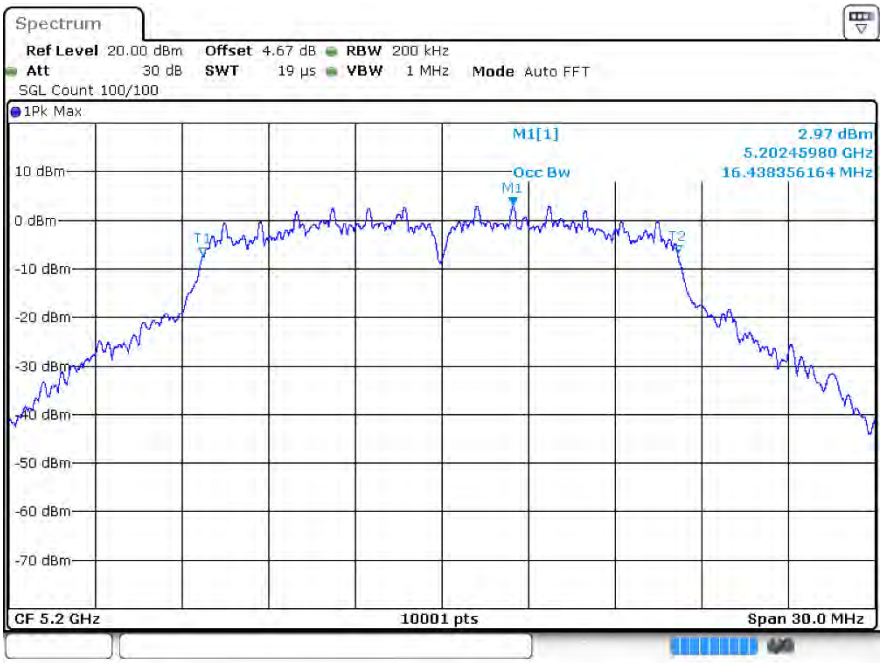
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.456
a	5200	Ant1	16.438
a	5240	Ant1	16.432
a	5260	Ant1	16.471
a	5280	Ant1	16.402
a	5320	Ant1	16.492
a	5500	Ant1	16.462
a	5600	Ant1	16.372
a	5700	Ant1	16.603
n20	5180	Ant1	17.671
n20	5200	Ant1	17.683
n20	5240	Ant1	17.599
n20	5260	Ant1	17.713
n20	5280	Ant1	17.725
n20	5320	Ant1	17.605
n20	5500	Ant1	17.596
n20	5600	Ant1	17.638
n20	5700	Ant1	17.596
n40	5190	Ant1	35.93
n40	5230	Ant1	36.176
n40	5270	Ant1	36.356
n40	5310	Ant1	35.966
n40	5510	Ant1	36.056
n40	5670	Ant1	36.068
ac20	5180	Ant1	17.686
ac20	5200	Ant1	17.593
ac20	5240	Ant1	17.608
ac20	5260	Ant1	17.623
ac20	5280	Ant1	17.593
ac20	5320	Ant1	17.569
ac20	5500	Ant1	17.707
ac20	5600	Ant1	17.638
ac20	5700	Ant1	17.65
ac40	5190	Ant1	36.008
ac40	5230	Ant1	35.99
ac40	5270	Ant1	35.978

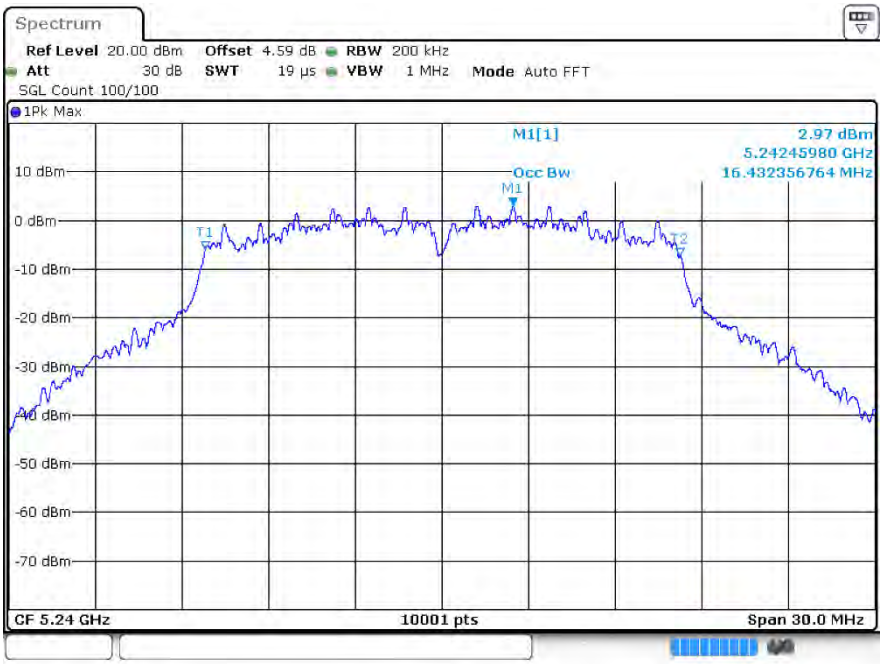
ac40	5310	Ant1	36.026
ac40	5510	Ant1	36.11
ac40	5670	Ant1	36.134
ac80	5210	Ant1	75.388
ac80	5290	Ant1	75.148
ac80	5530	Ant1	75.412
ac80	5610	Ant1	75.136
a	5180	Ant2	16.39
a	5200	Ant2	16.513
a	5240	Ant2	16.474
a	5260	Ant2	16.435
a	5280	Ant2	16.432
a	5320	Ant2	16.423
a	5500	Ant2	16.465
a	5600	Ant2	16.441
a	5700	Ant2	16.438
n20	5180	Ant2	17.59
n20	5200	Ant2	17.59
n20	5240	Ant2	17.587
n20	5260	Ant2	17.614
n20	5280	Ant2	17.692
n20	5320	Ant2	17.587
n20	5500	Ant2	17.635
n20	5600	Ant2	17.59
n20	5700	Ant2	17.593
n40	5190	Ant2	35.87
n40	5230	Ant2	36.062
n40	5270	Ant2	35.978
n40	5310	Ant2	35.936
n40	5510	Ant2	35.99
n40	5670	Ant2	35.972
ac20	5180	Ant2	17.605
ac20	5200	Ant2	17.611
ac20	5240	Ant2	17.629
ac20	5260	Ant2	17.572
ac20	5280	Ant2	17.659
ac20	5320	Ant2	17.59
ac20	5500	Ant2	17.626
ac20	5600	Ant2	17.587
ac20	5700	Ant2	17.668
ac40	5190	Ant2	36.014
ac40	5230	Ant2	36.044
ac40	5270	Ant2	36.104

ac40	5310	Ant2	36.134
ac40	5510	Ant2	35.852
ac40	5670	Ant2	35.9
ac80	5210	Ant2	75.136
ac80	5290	Ant2	75.196
ac80	5530	Ant2	75.064
ac80	5610	Ant2	74.501

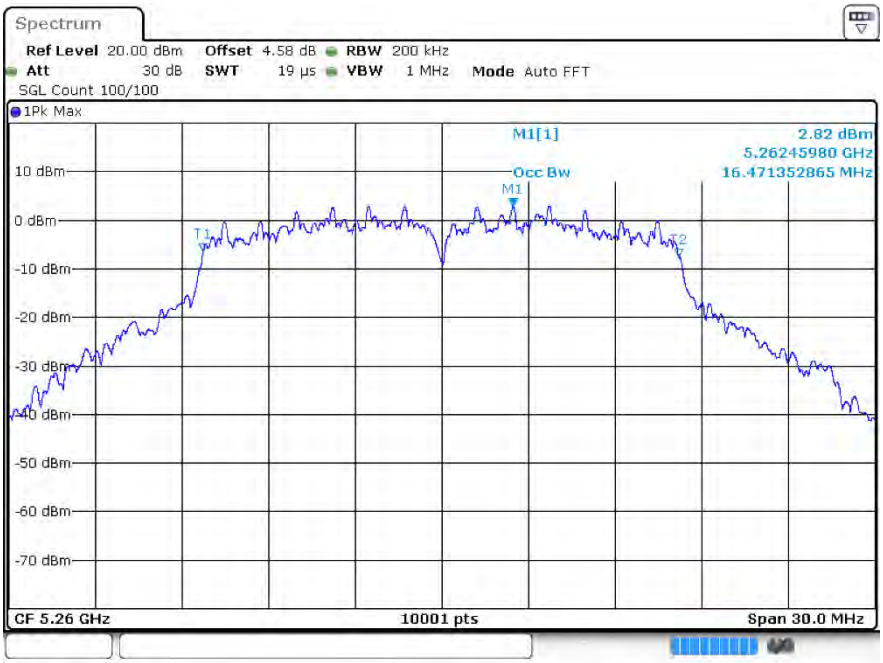
4.2 Test Graphs

Test Graphs
OBWa 5180MHz Ant1

OBWa 5200MHz Ant1


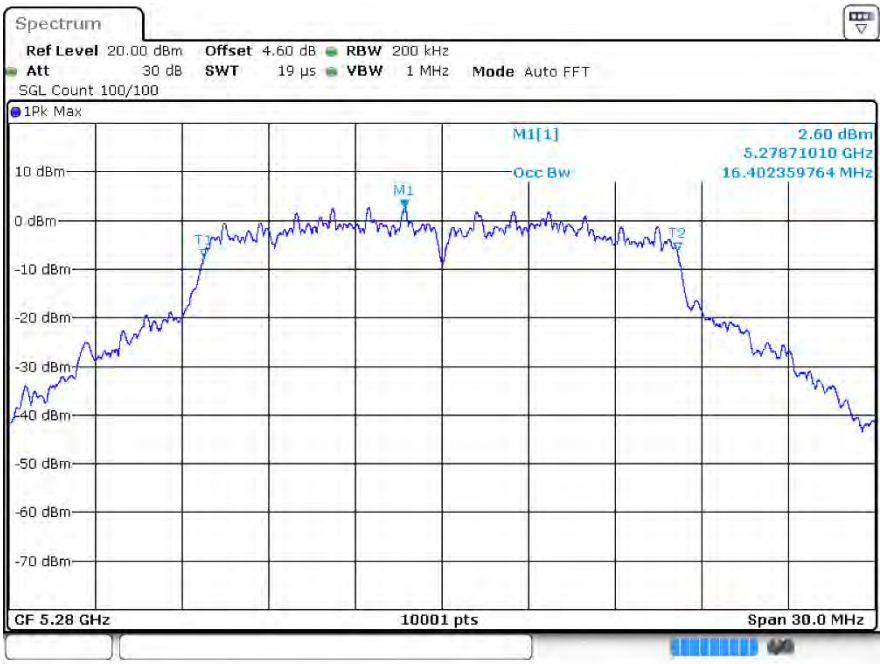
OBWa 5240MHz Ant1



OBWa 5260MHz Ant1

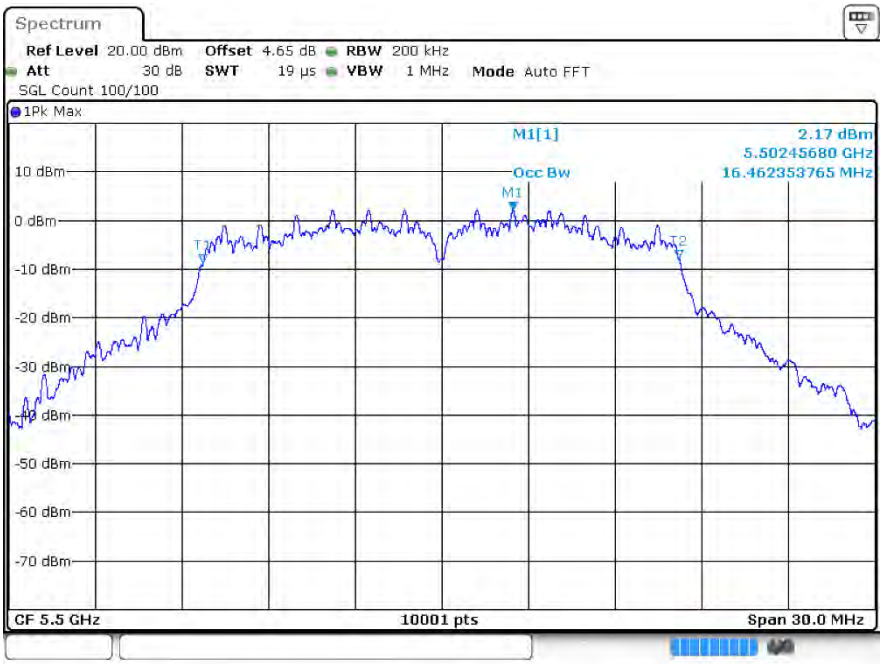


OBWa 5280MHz Ant1

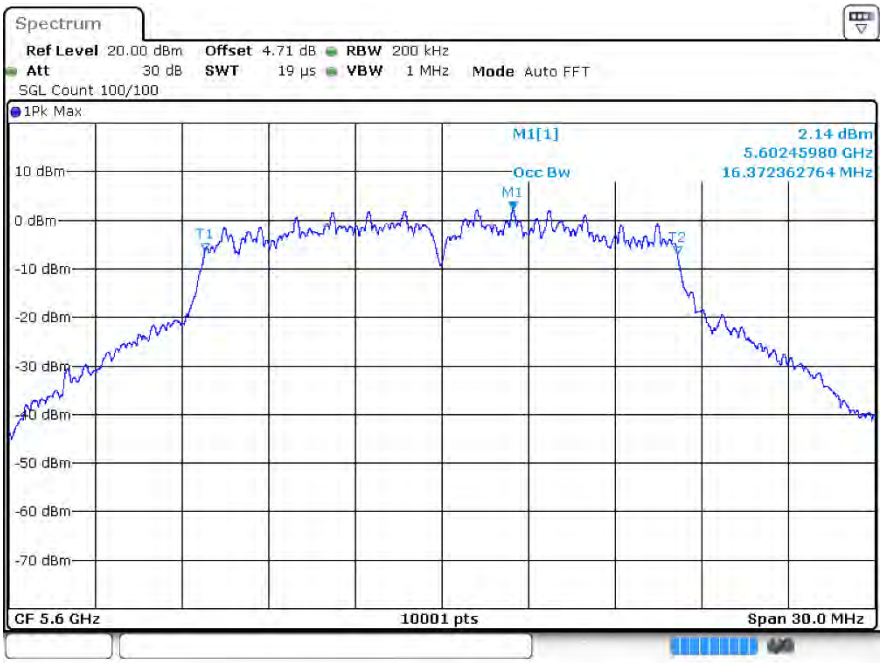


OBW a 5320MHz Ant1

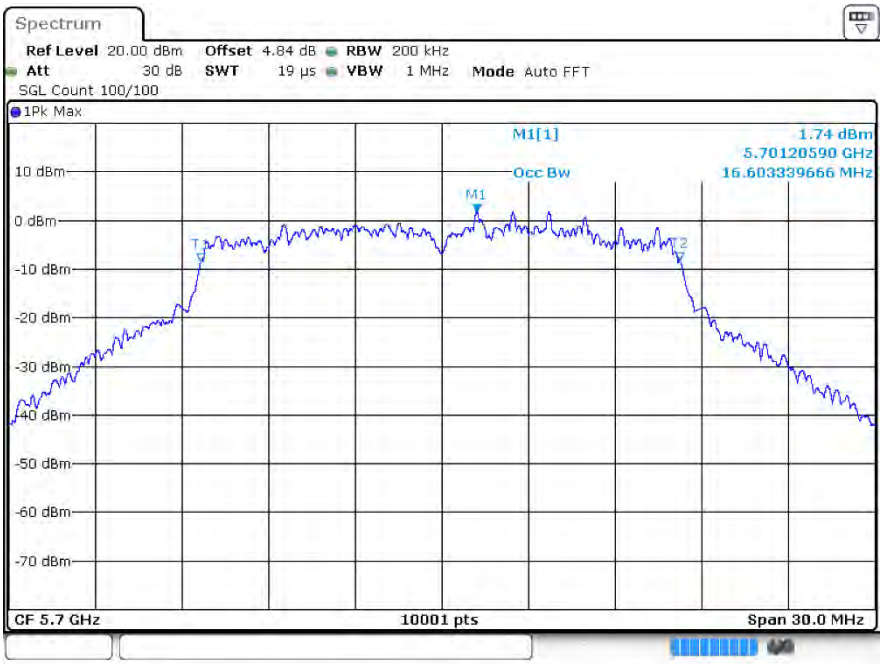
OBWa 5500MHz Ant1



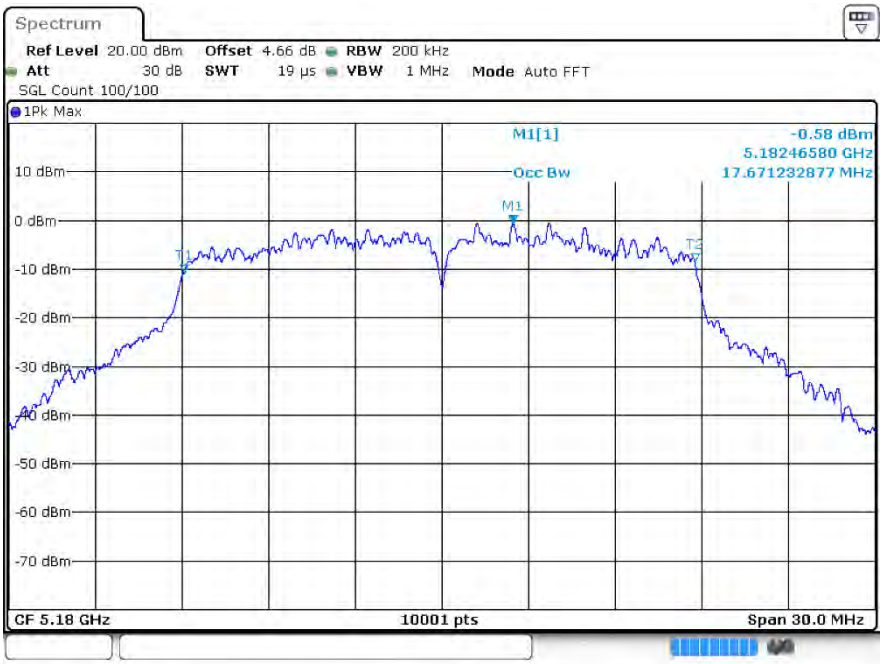
OBWa 5600MHz Ant1



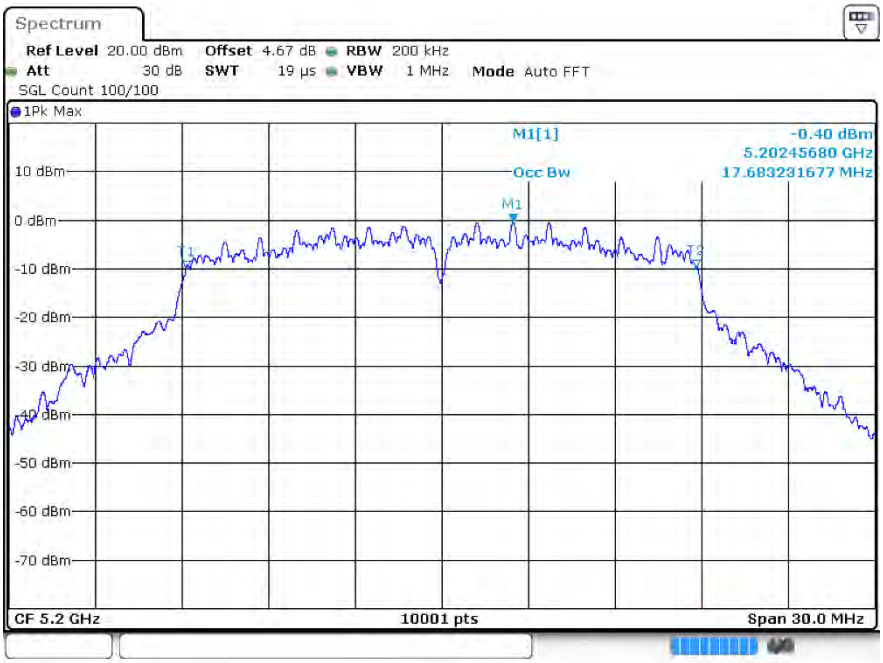
OBW a 5700MHz Ant1



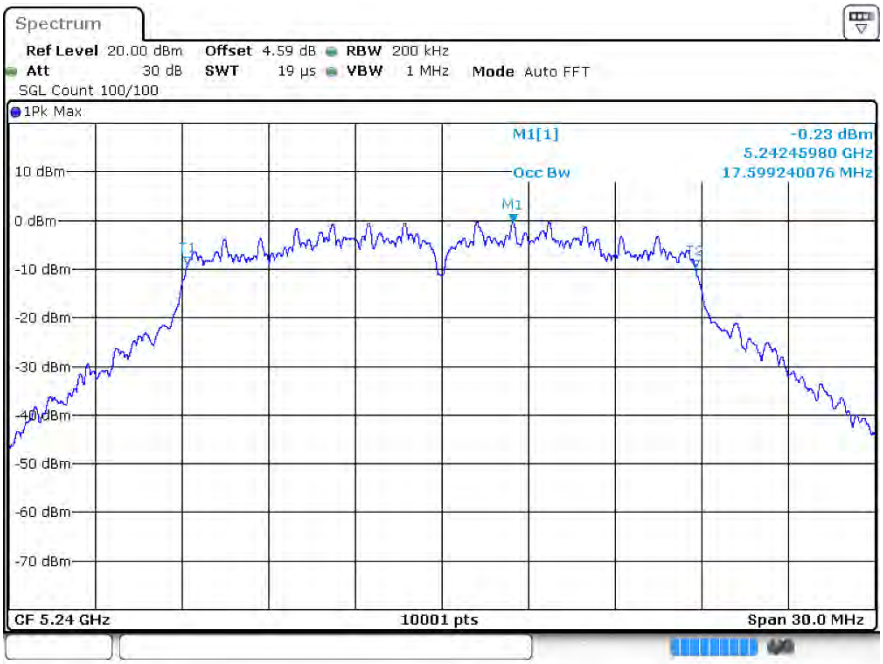
OBW n20 5180MHz Ant1



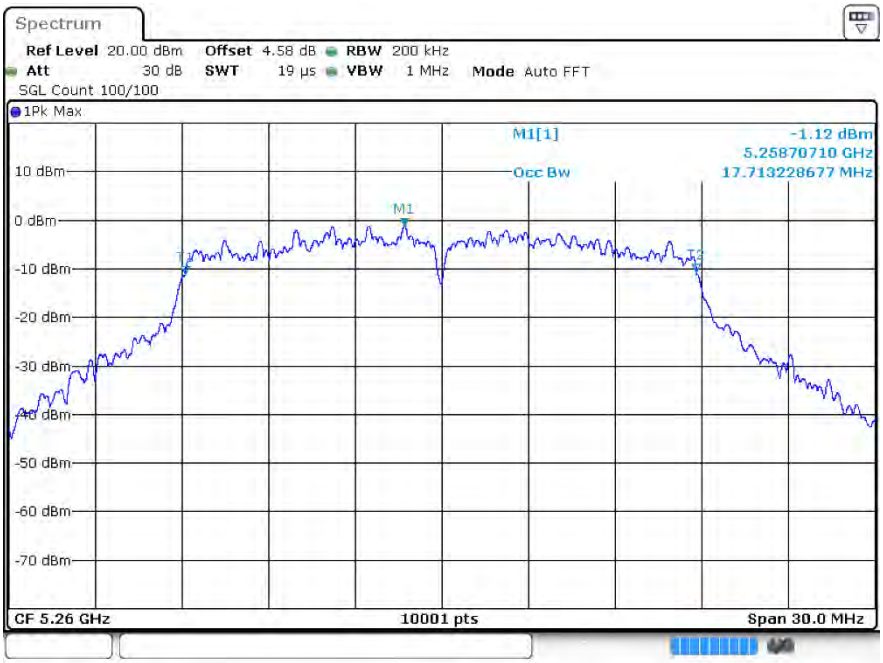
OBW n20 5200MHz Ant1



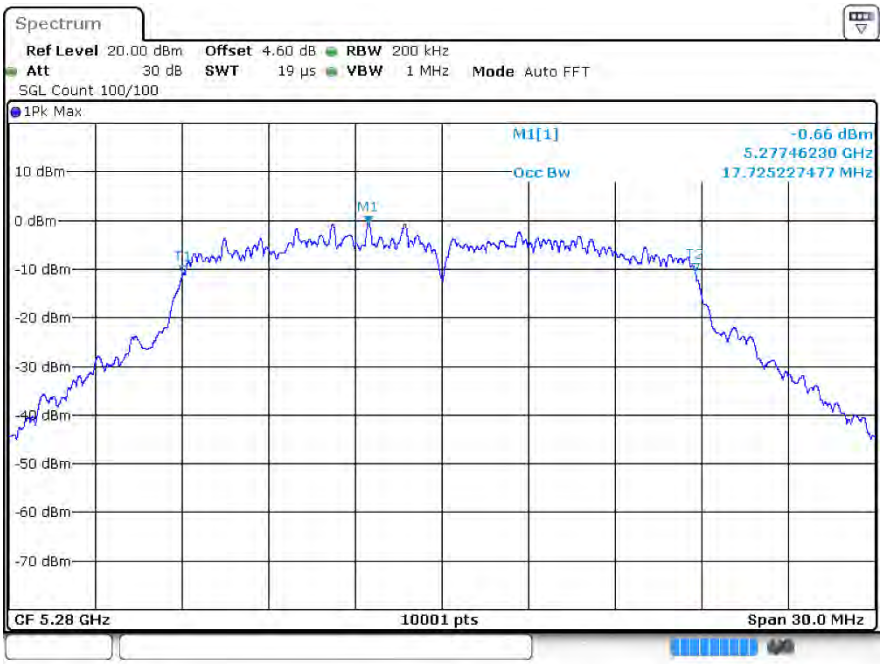
OBW n20 5240MHz Ant1



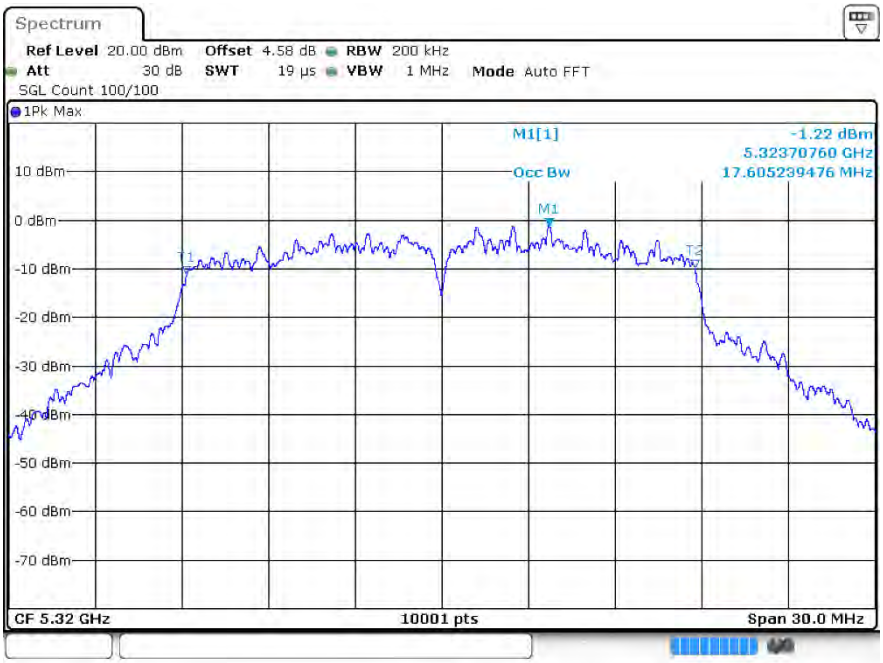
OBW n20 5260MHz Ant1



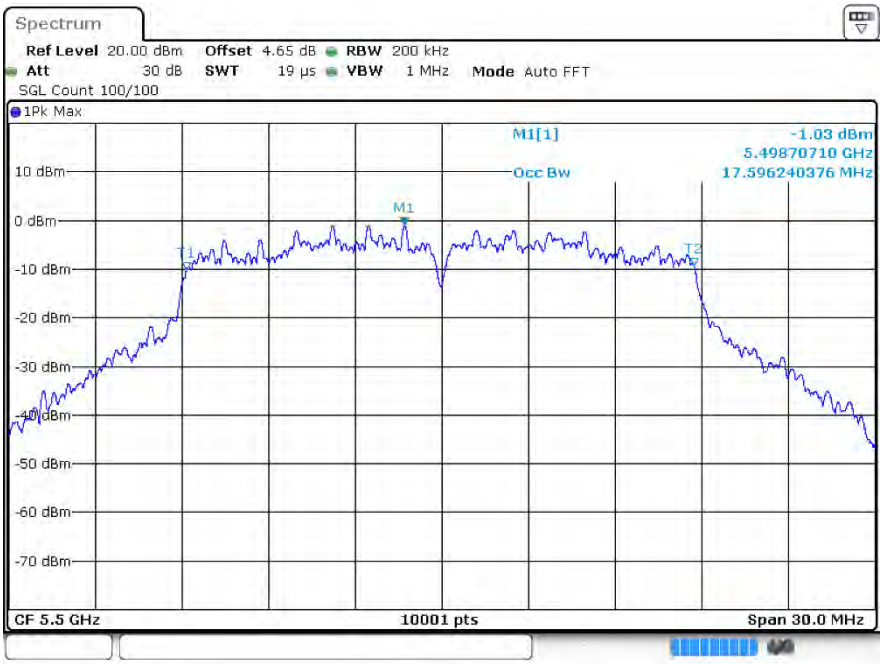
OBW n20 5280MHz Ant1



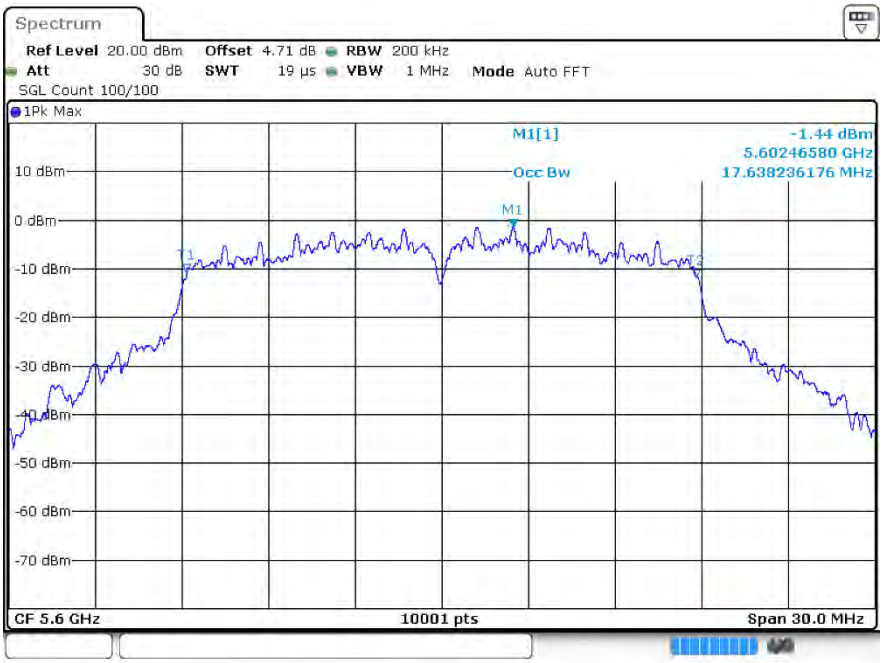
OBW n20 5320MHz Ant1



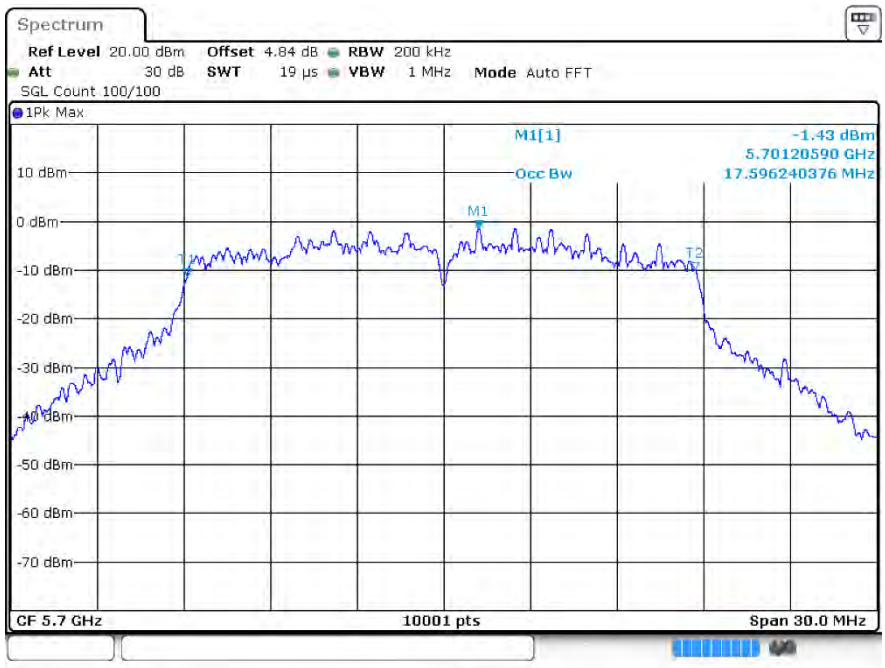
OBW n20 5500MHz Ant1



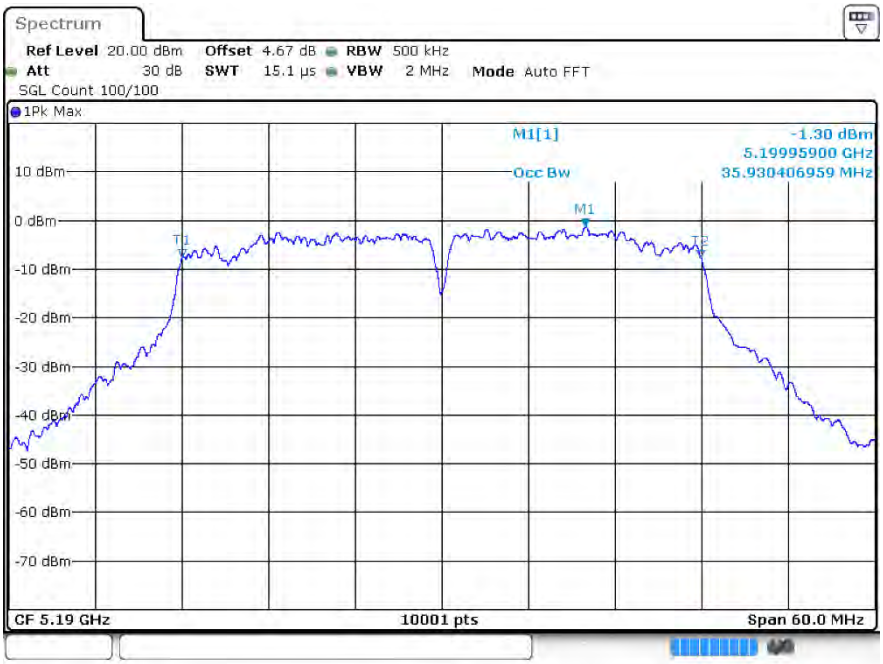
OBW n20 5600MHz Ant1



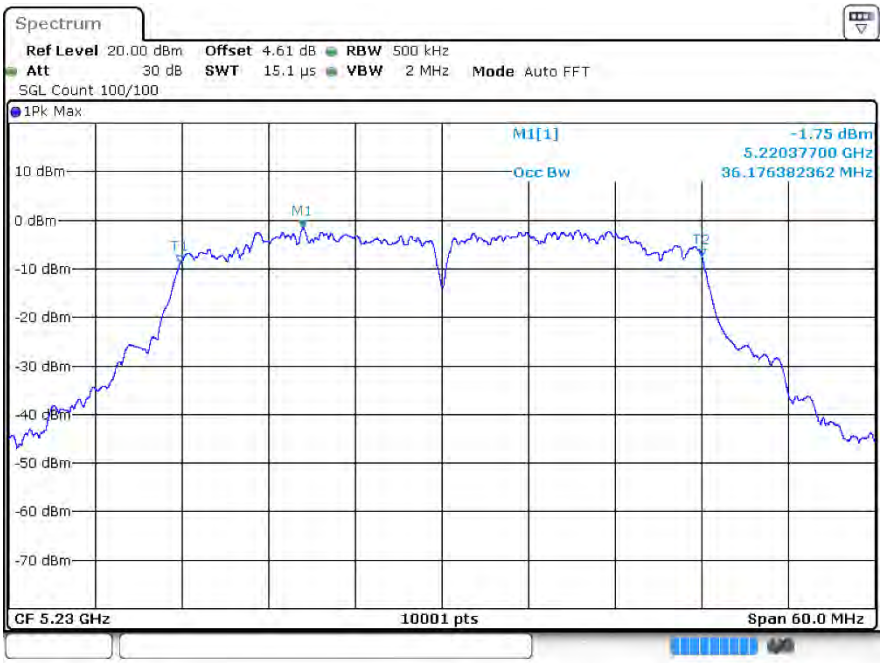
OBW n20 5700MHz Ant1



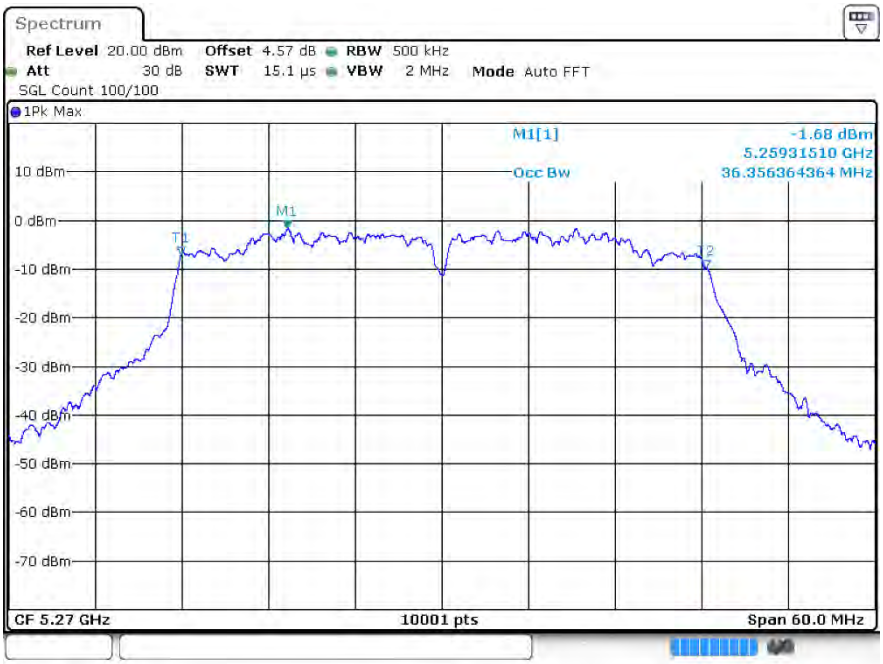
OBWn40 5190MHz Ant1



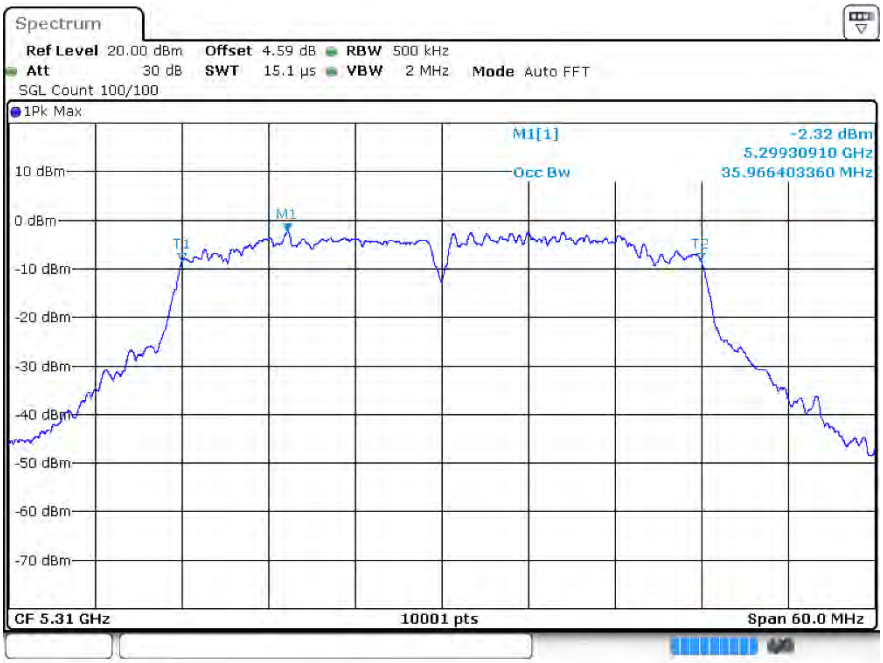
OBWn40 5230MHz Ant1



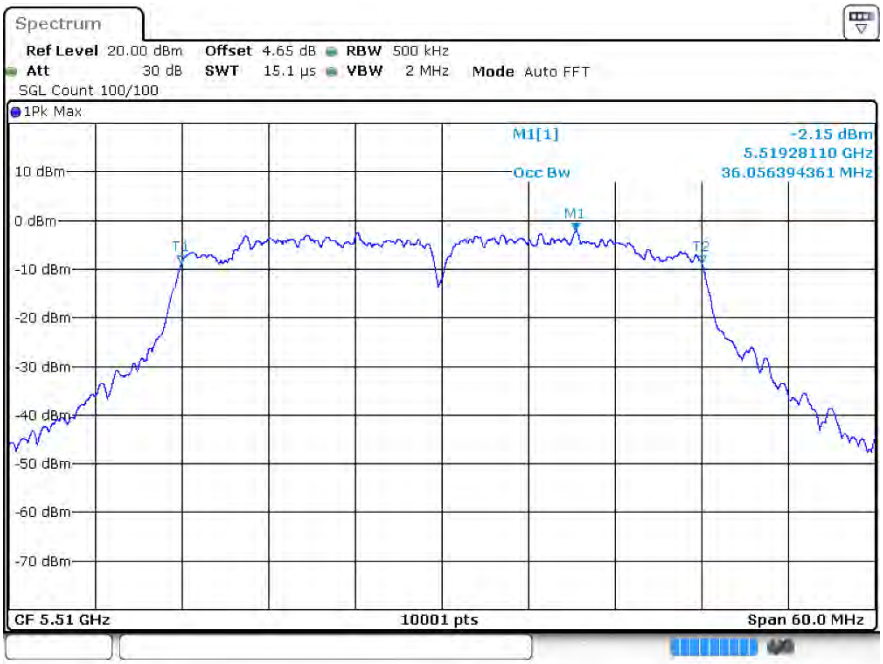
OBW n40 5270MHz Ant1



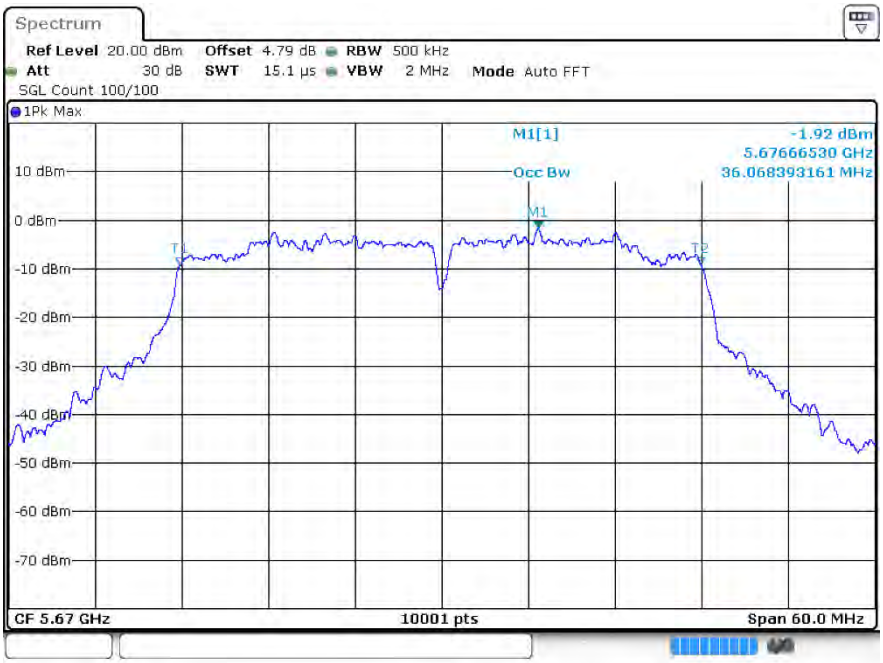
OBW n40 5310MHz Ant1



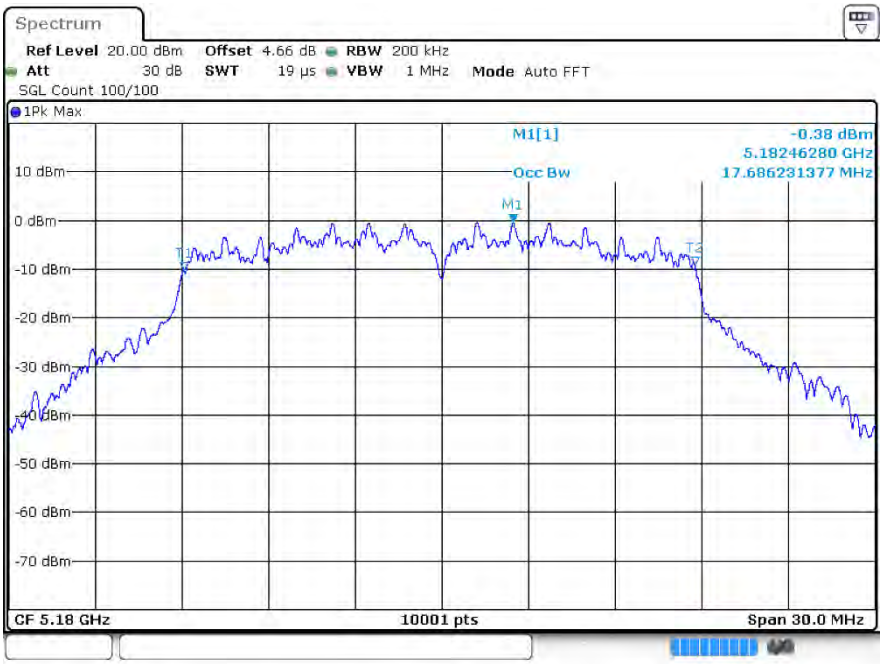
OBWn40 5510MHz Ant1



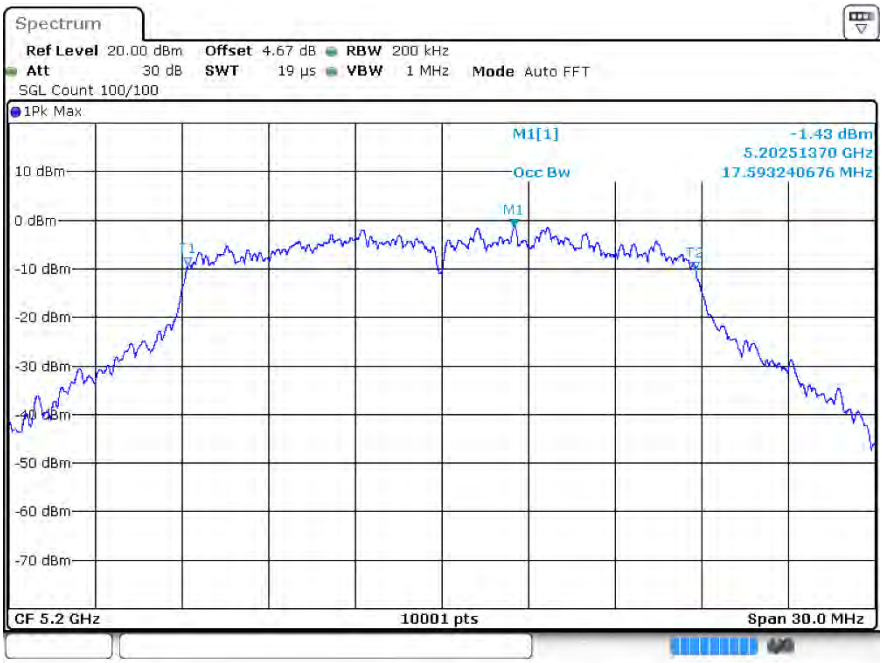
OBW n40 5670MHz Ant1



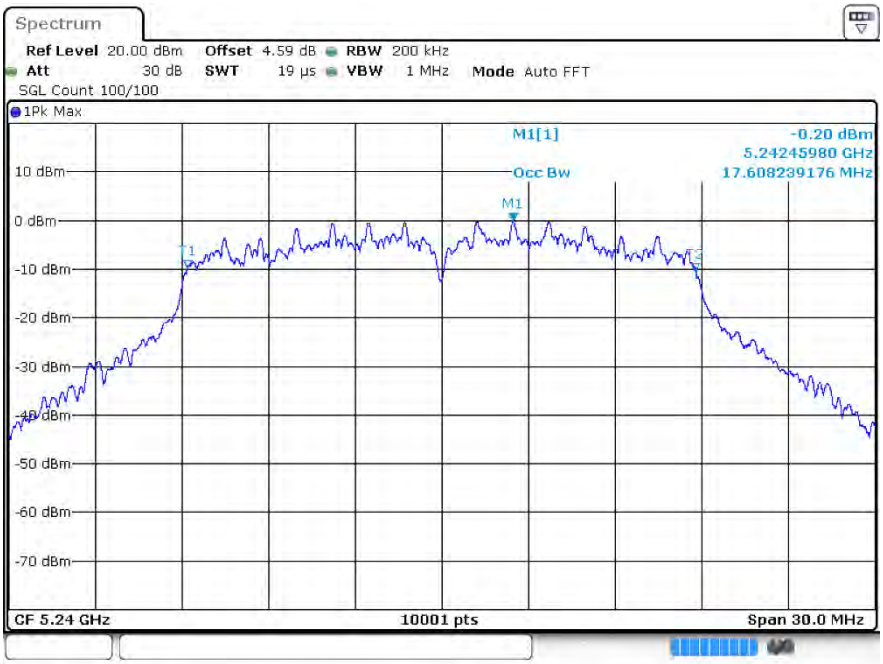
OBW ac20 5180MHz Ant1



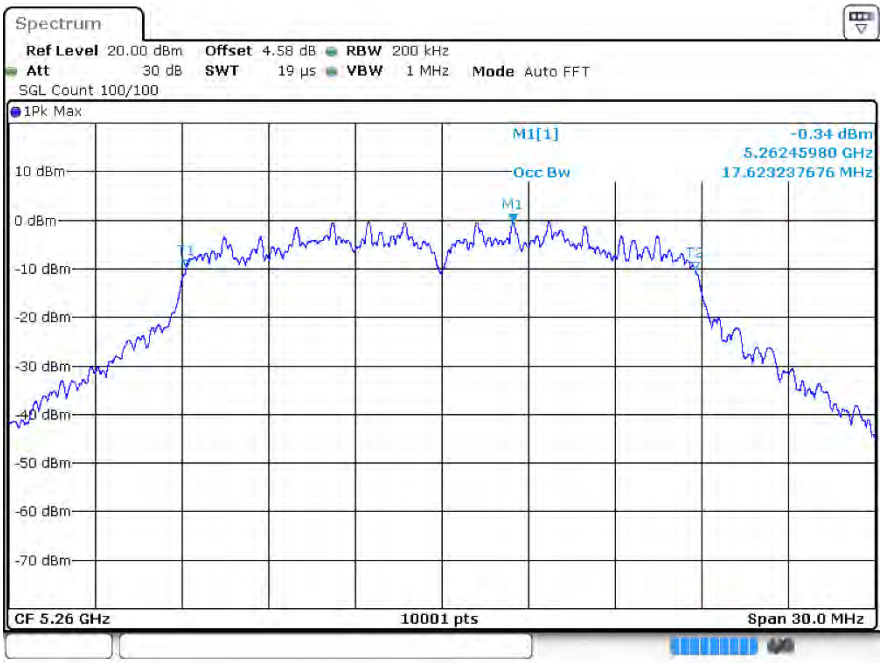
OBW ac20 5200MHz Ant1



OBW ac20 5240MHz Ant1



OBW ac20 5260MHz Ant1



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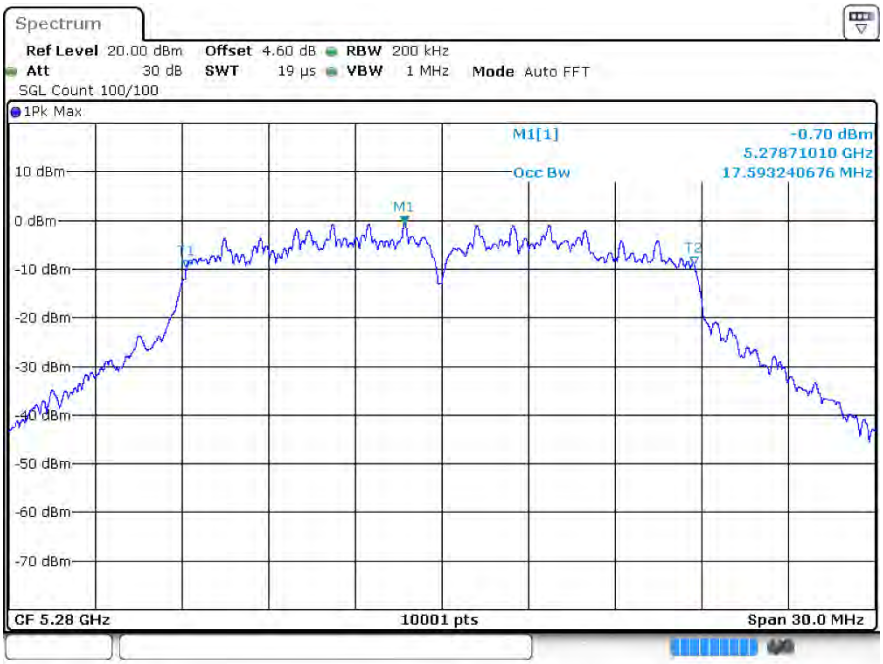
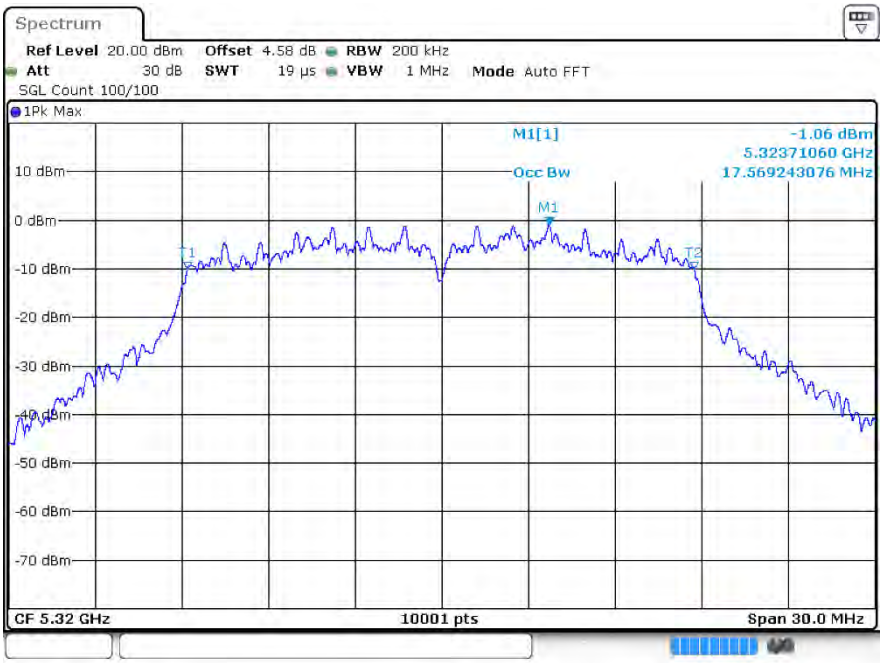
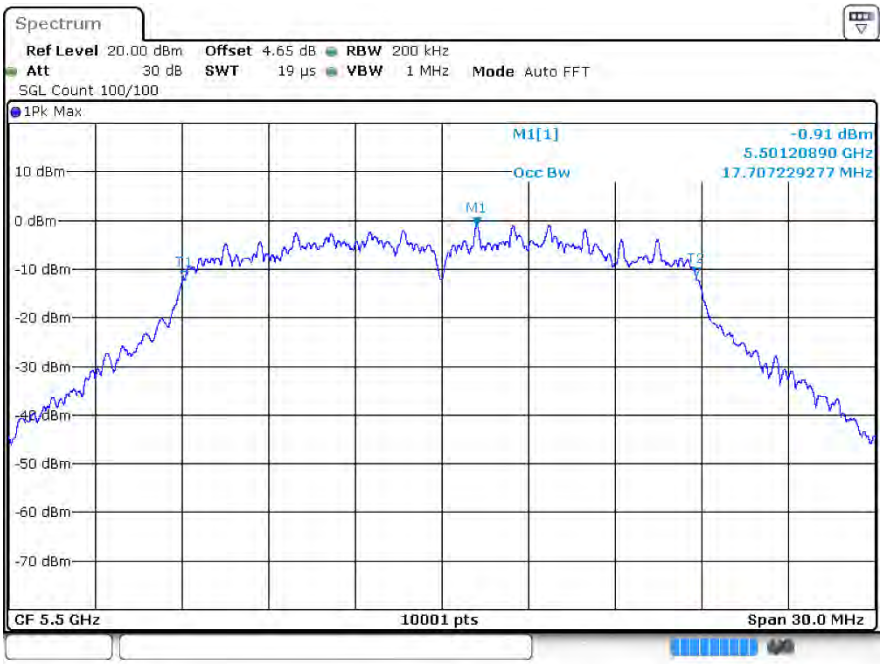


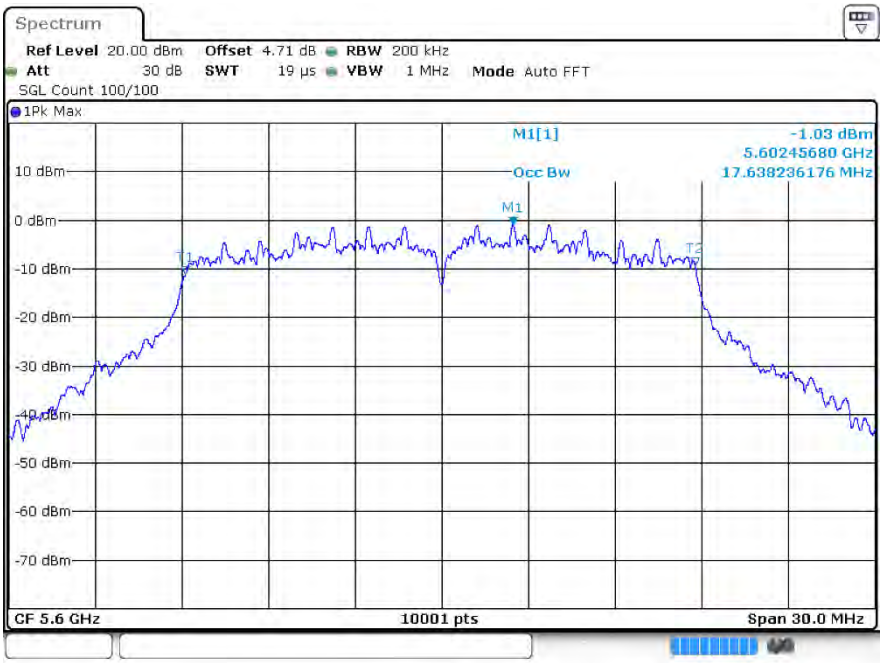
OBW ac20 5320MHz Ant1



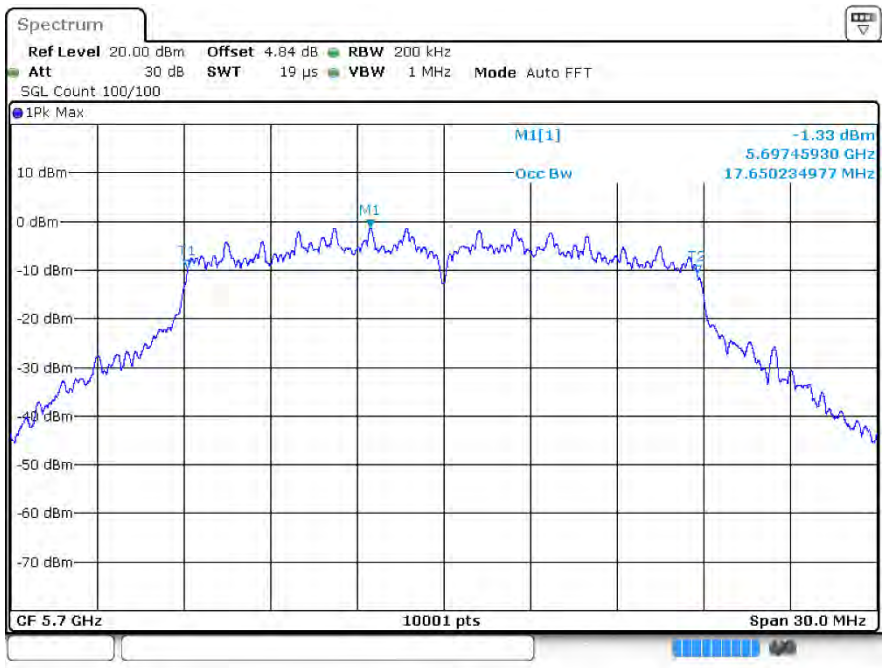
OBW ac20 5500MHz Ant1



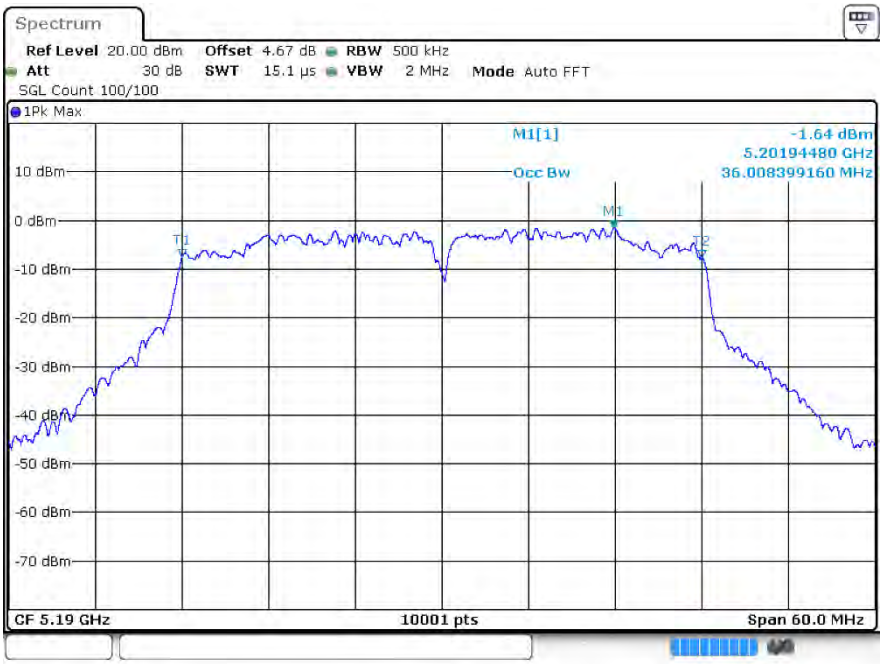
OBW ac20 5600MHz Ant1



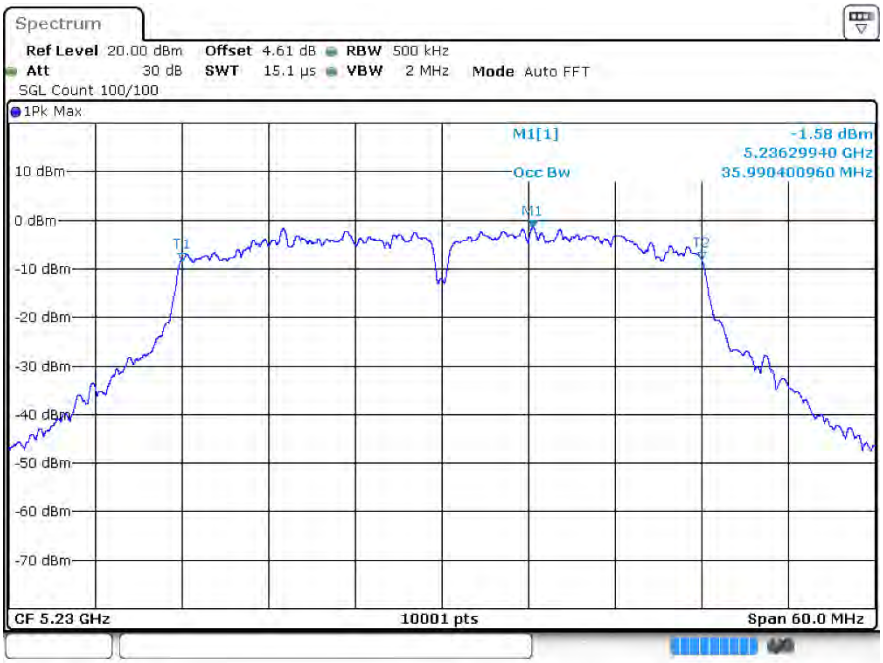
OBW ac20 5700MHz Ant1



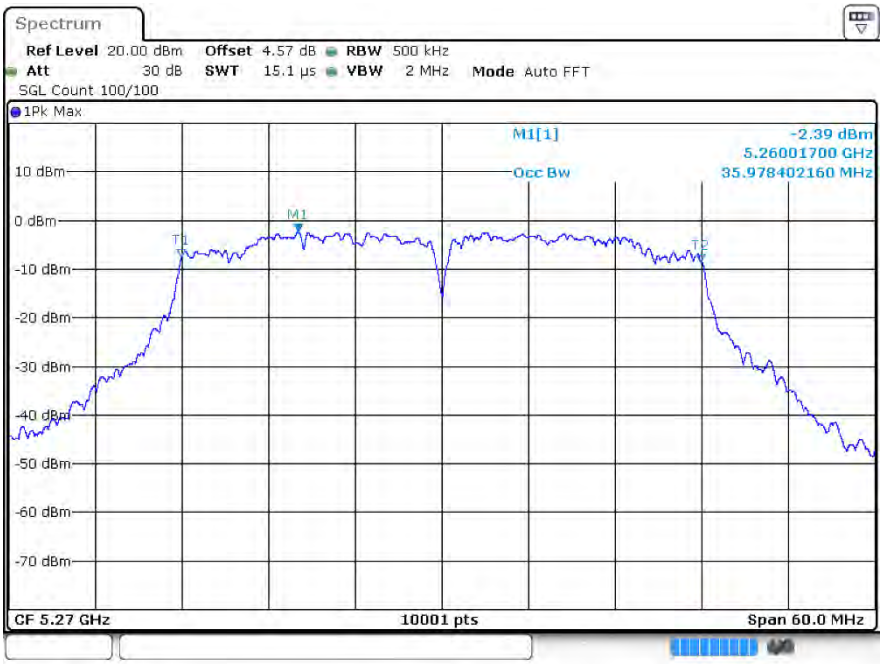
OBWac40 5190MHz Ant1



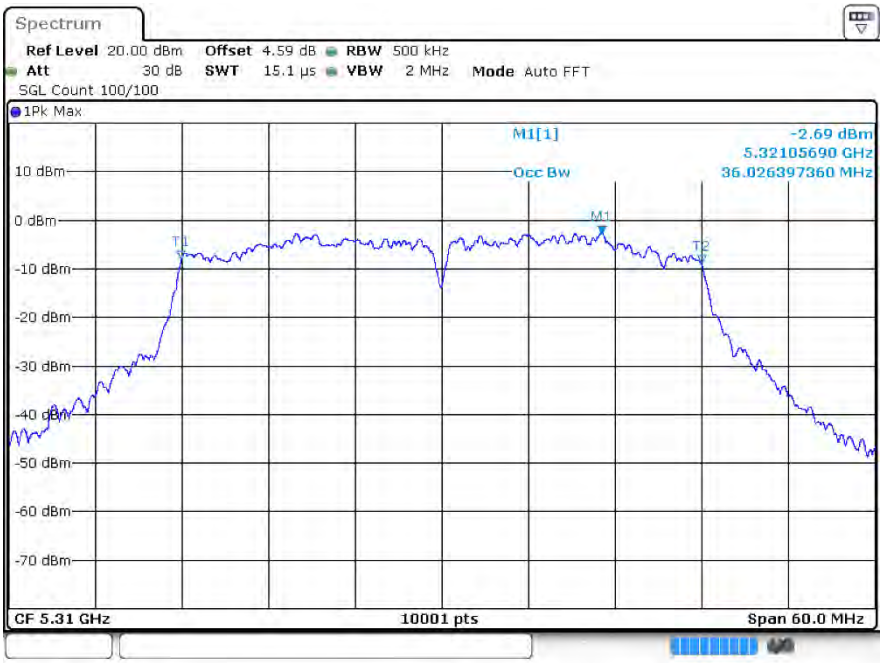
OBWac40 5230MHz Ant1



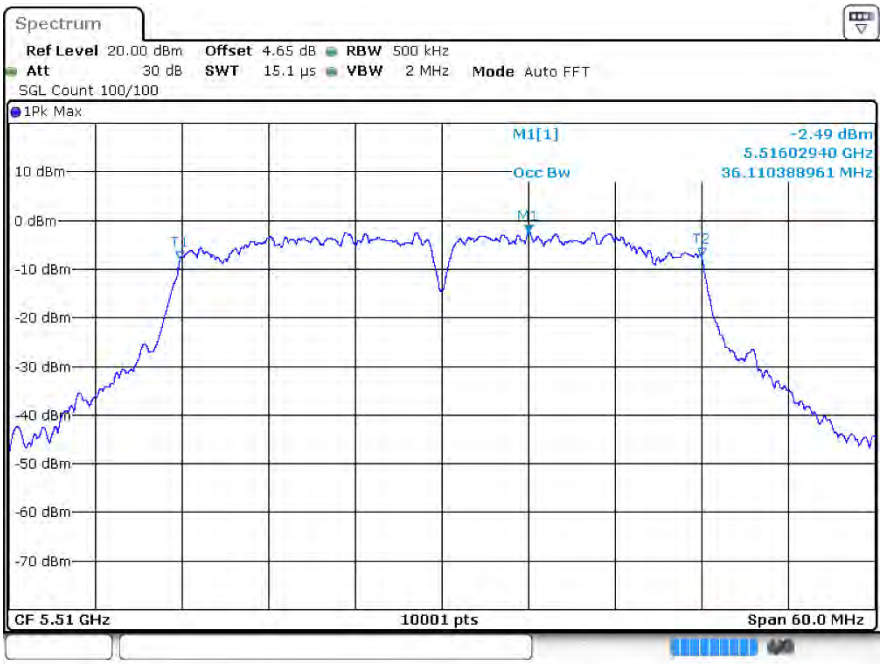
OBW ac40 5270MHz Ant1



OBW ac40 5310MHz Ant1



OBWac40 5510MHz Ant1



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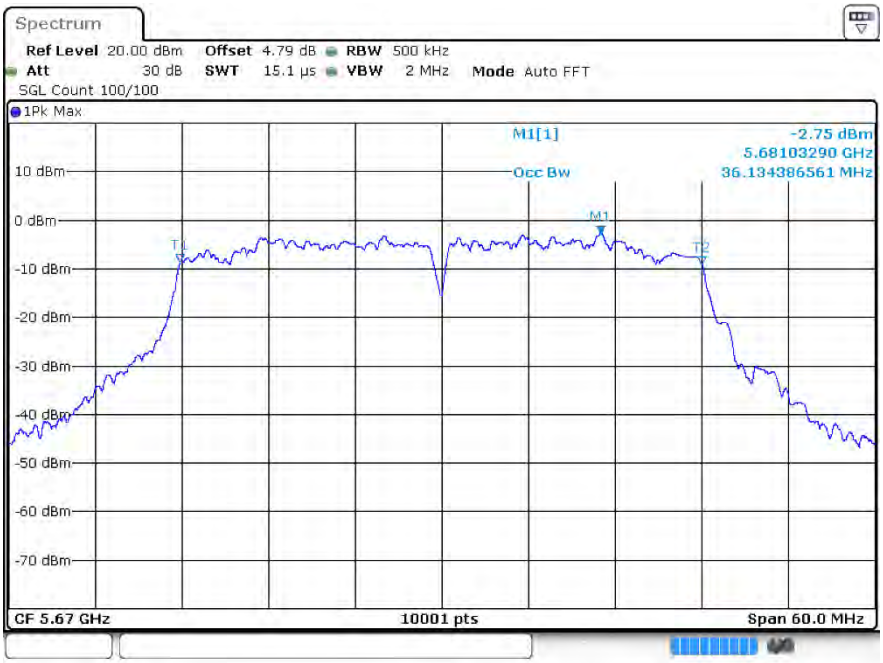
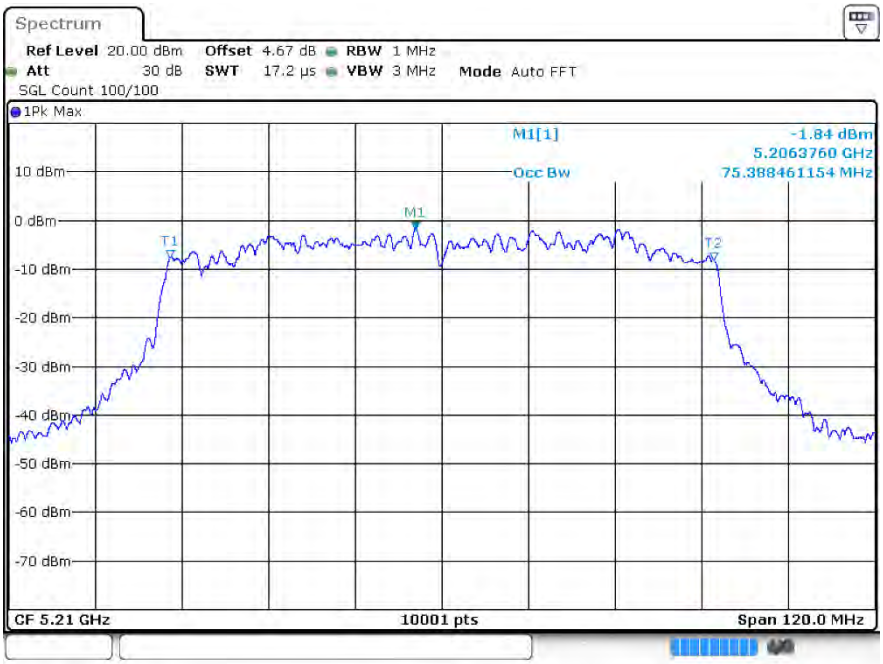


OBWac80 5210MHz Ant1



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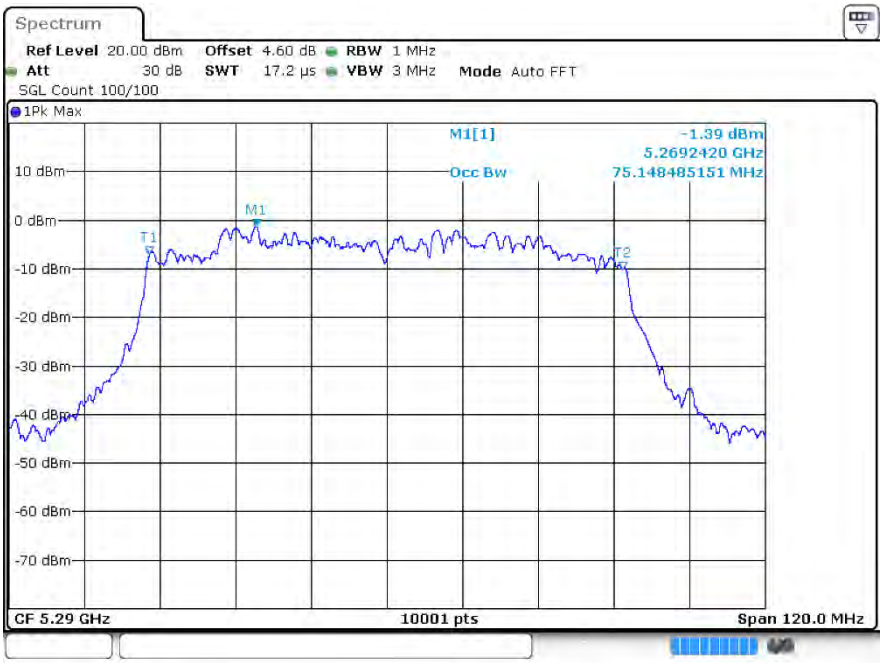

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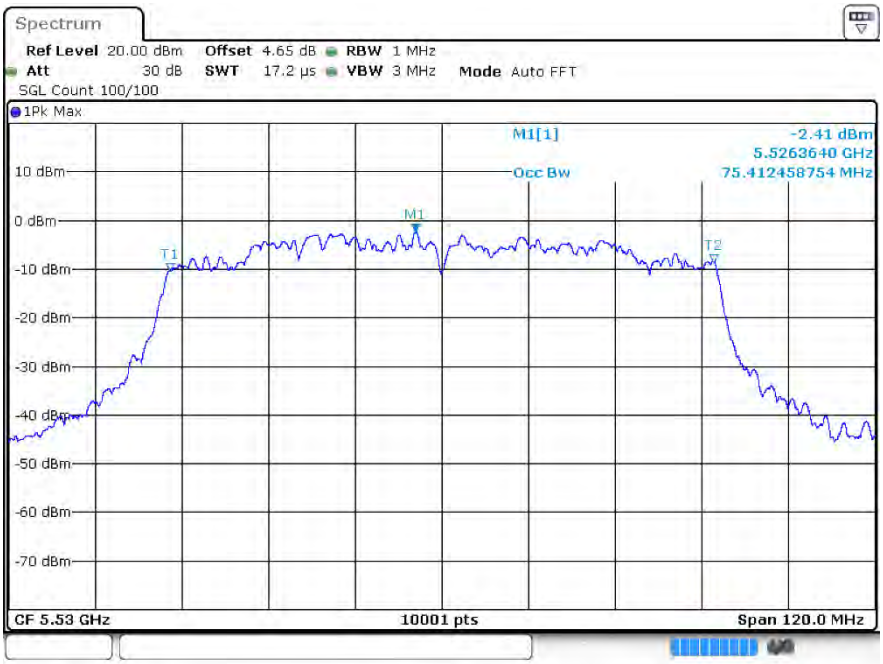
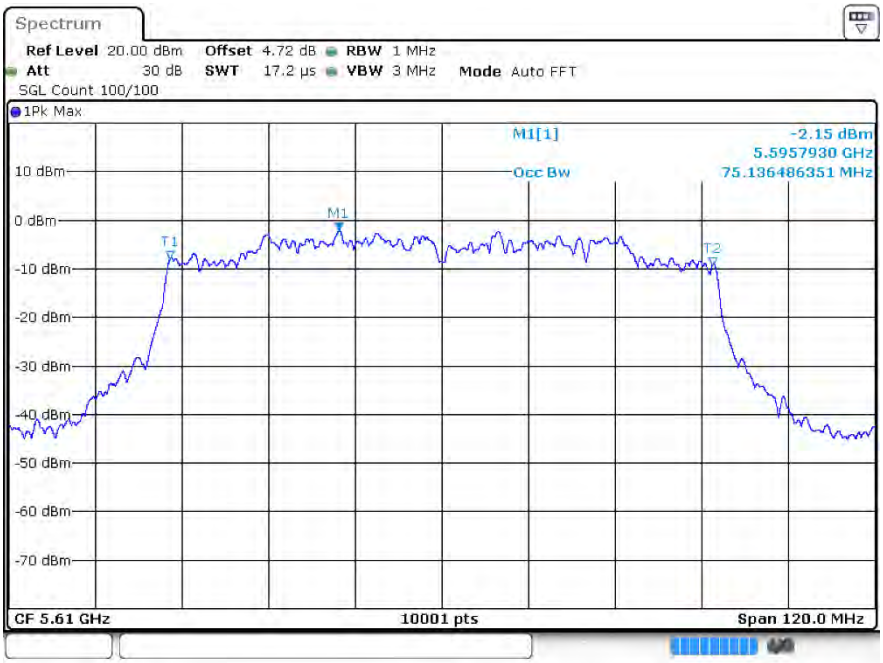
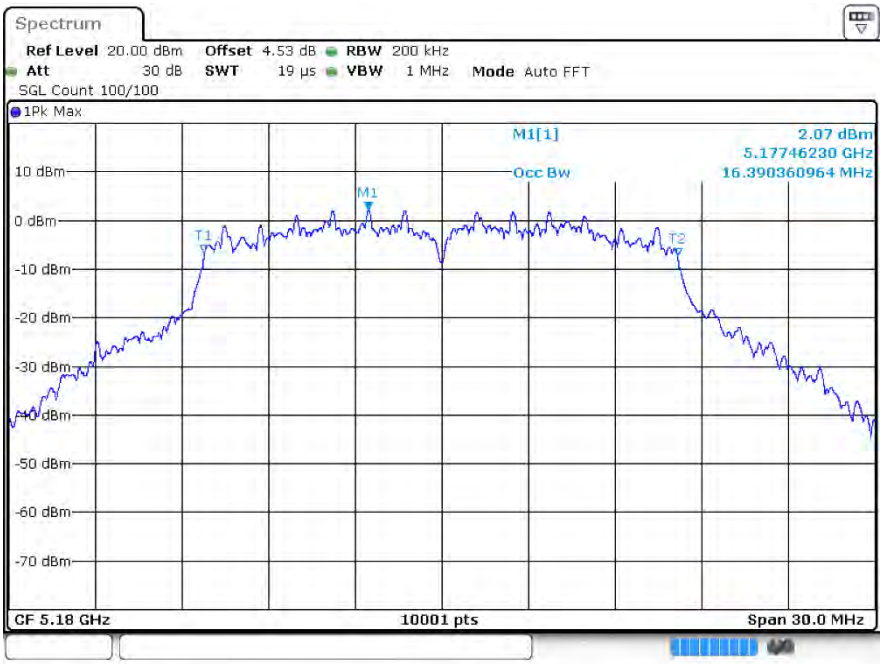


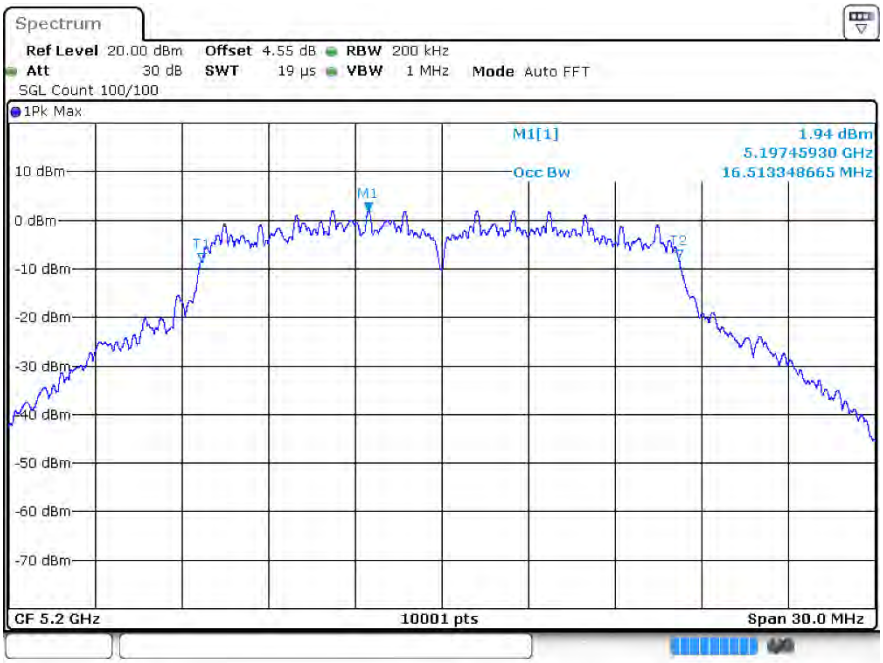
OBWac80 5610MHz Ant1



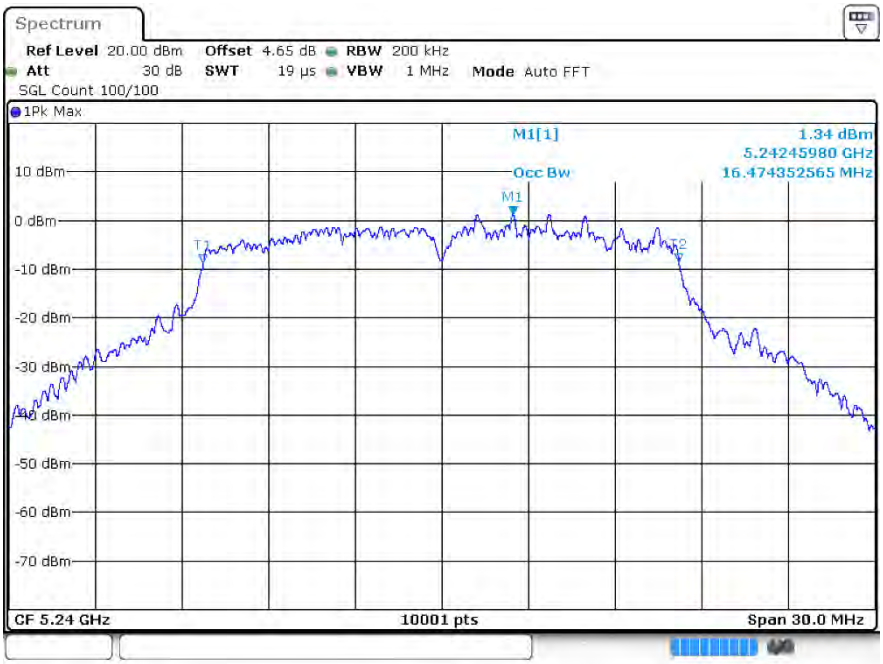
OBWa 5180MHz Ant2



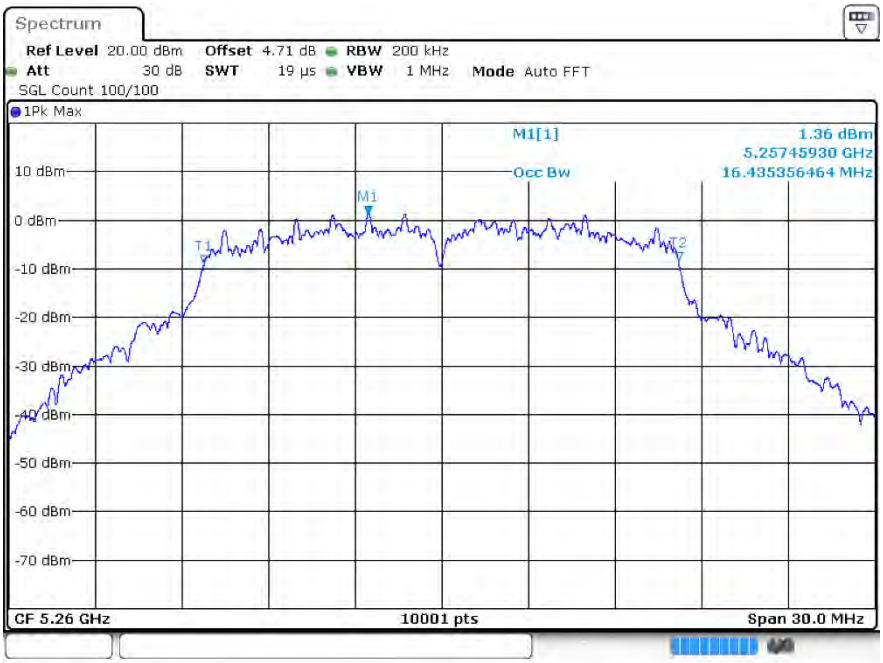
OBWa 5200MHz Ant2



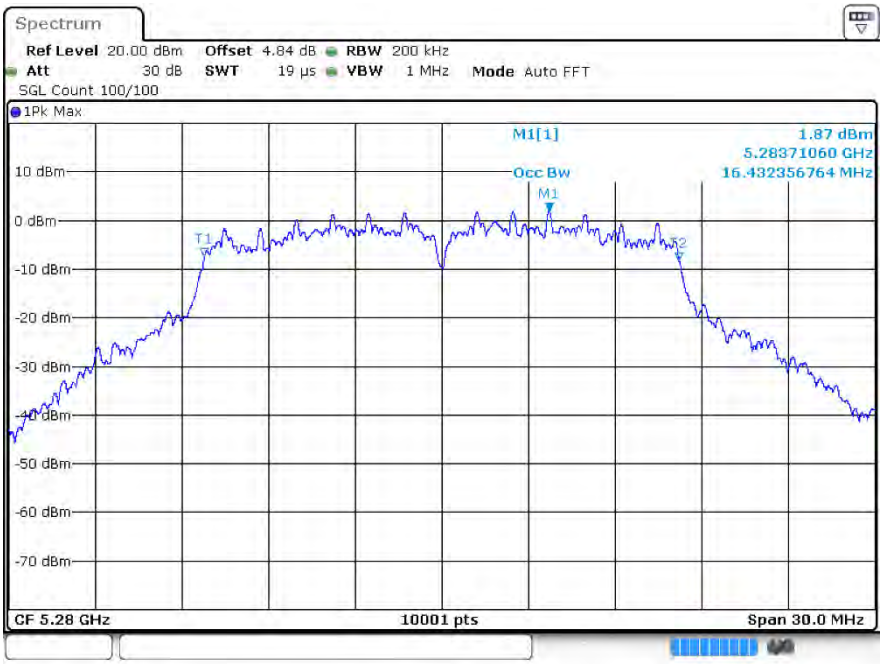
OBWa 5240MHz Ant2



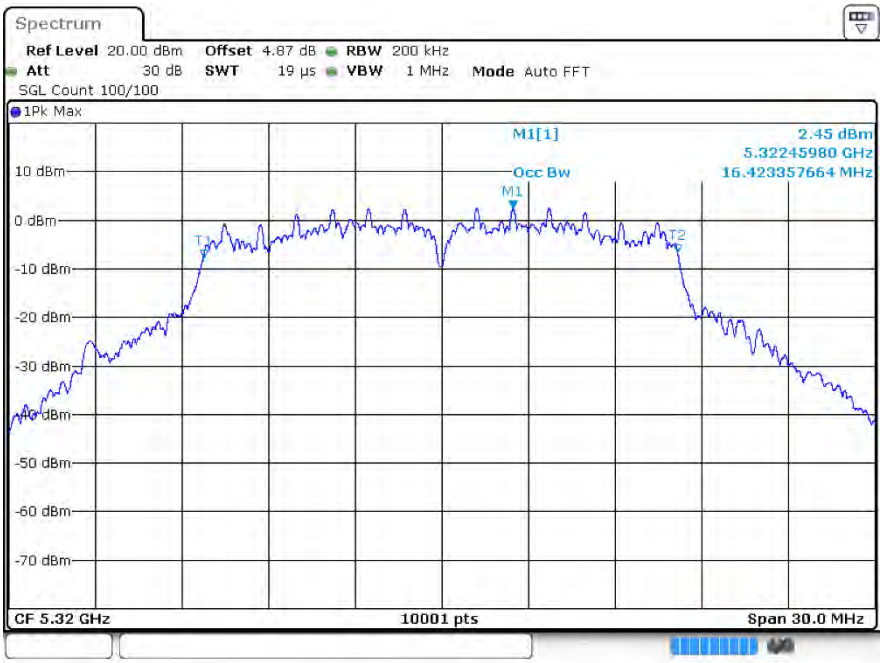
OBWa 5260MHz Ant2



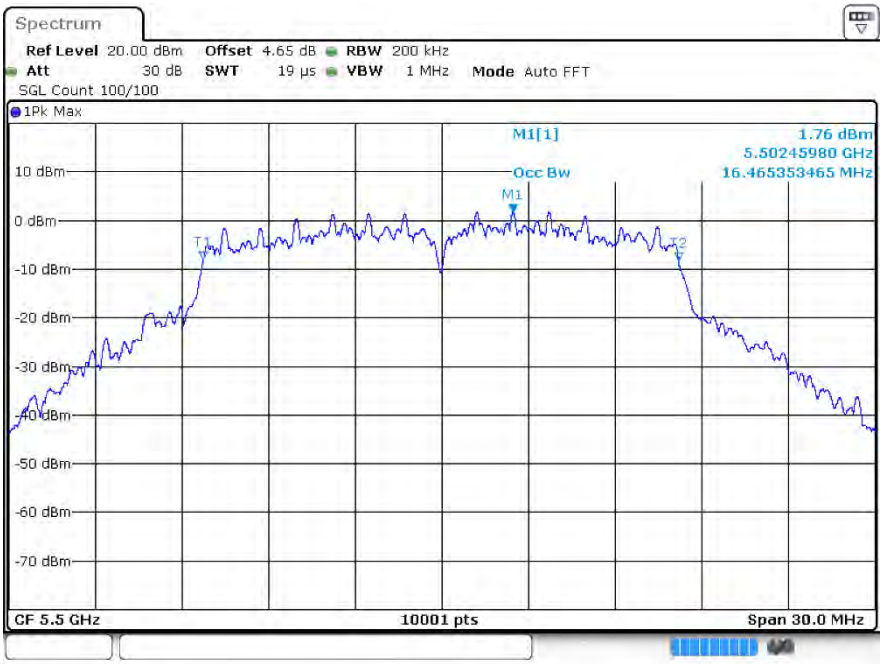
OBWa 5280MHz Ant2



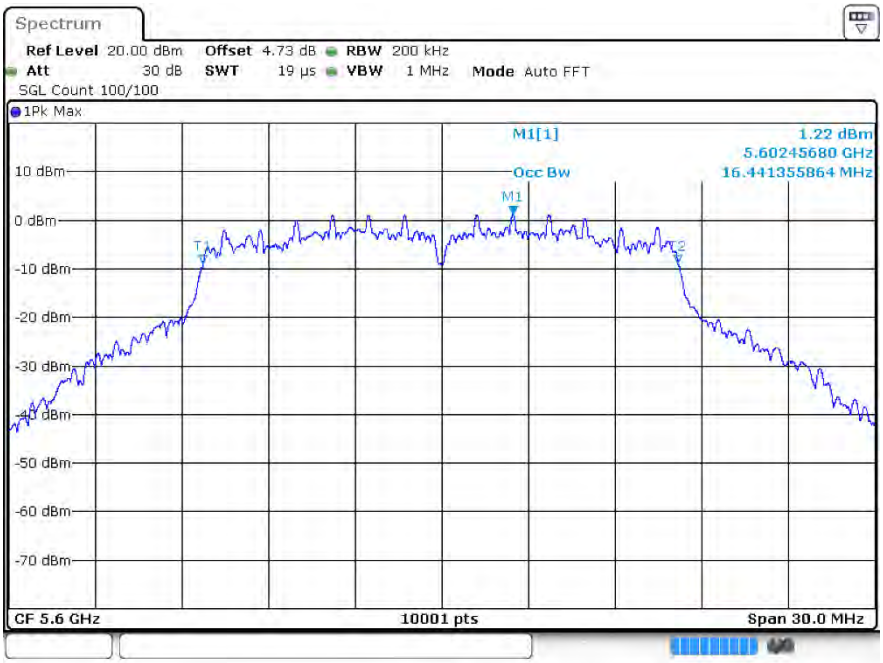
OBW a 5320MHz Ant2



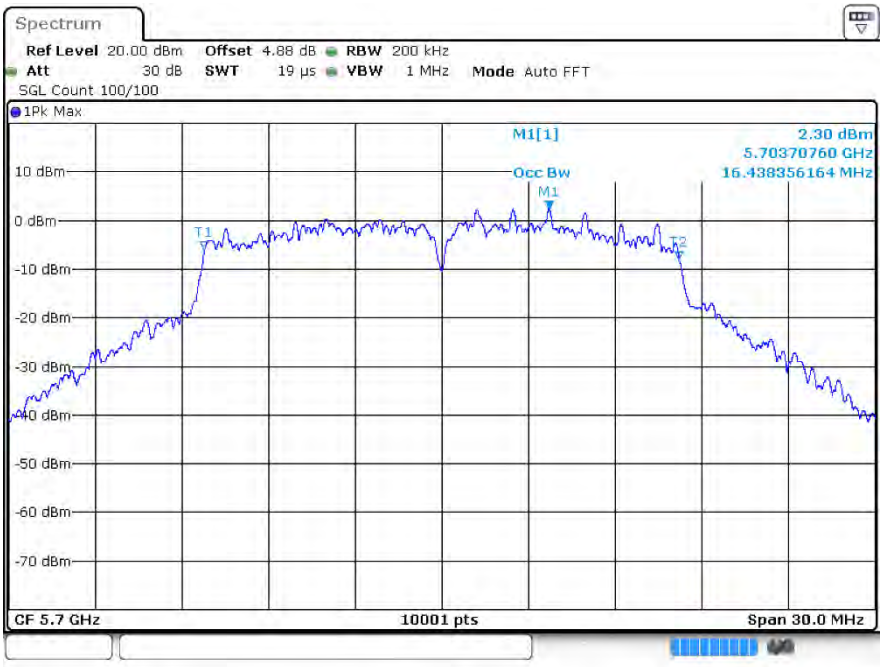
OBWa 5500MHz Ant2



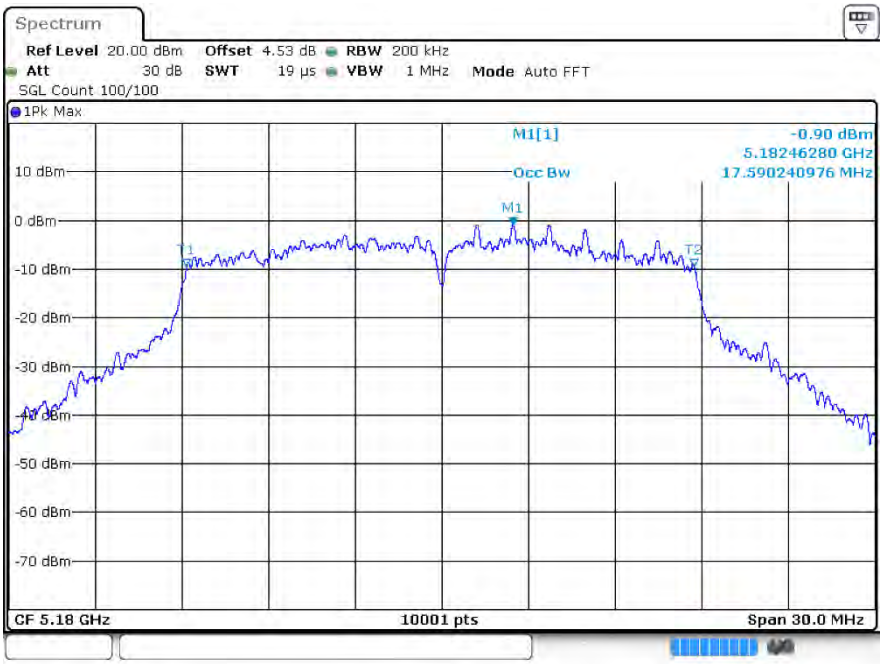
OBWa 5600MHz Ant2



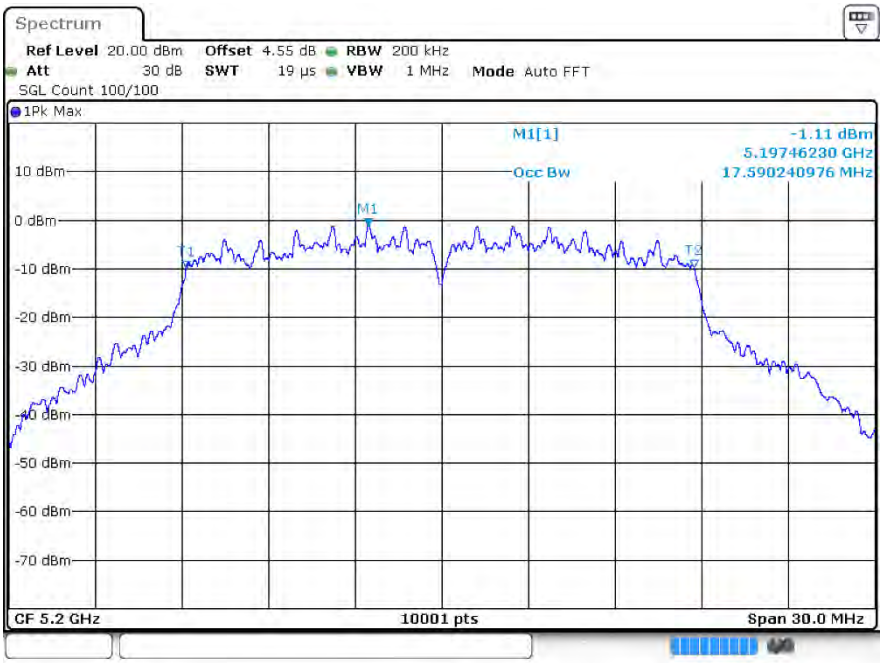
OBW a 5700MHz Ant2



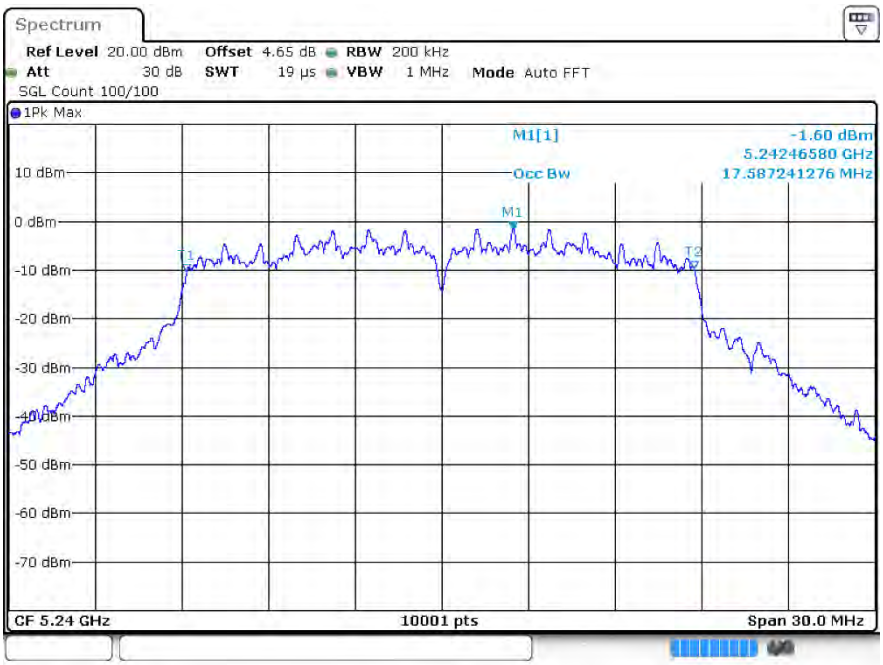
OBW n20 5180MHz Ant2



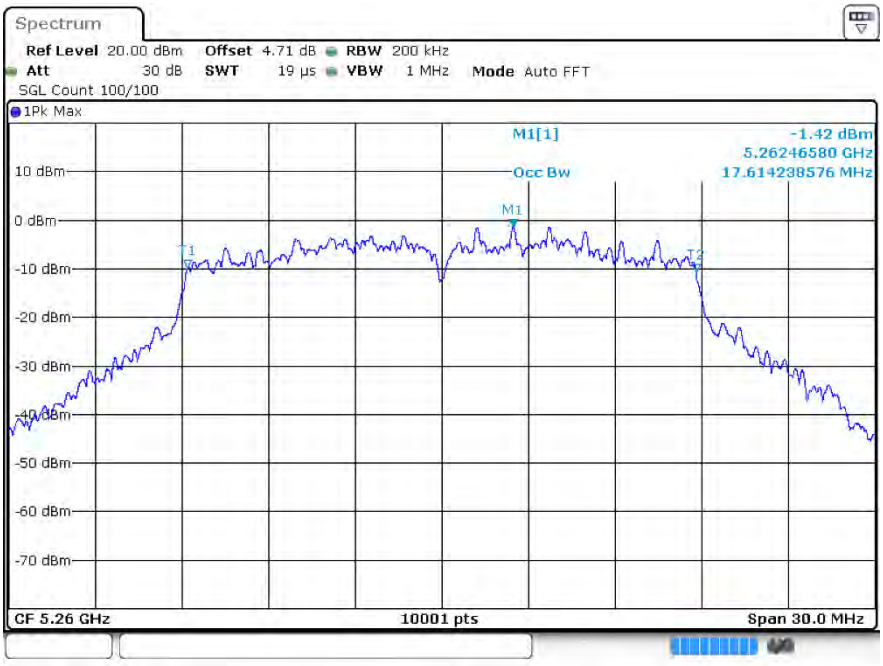
OBW n20 5200MHz Ant2



OBW n20 5240MHz Ant2



OBW n20 5260MHz Ant2



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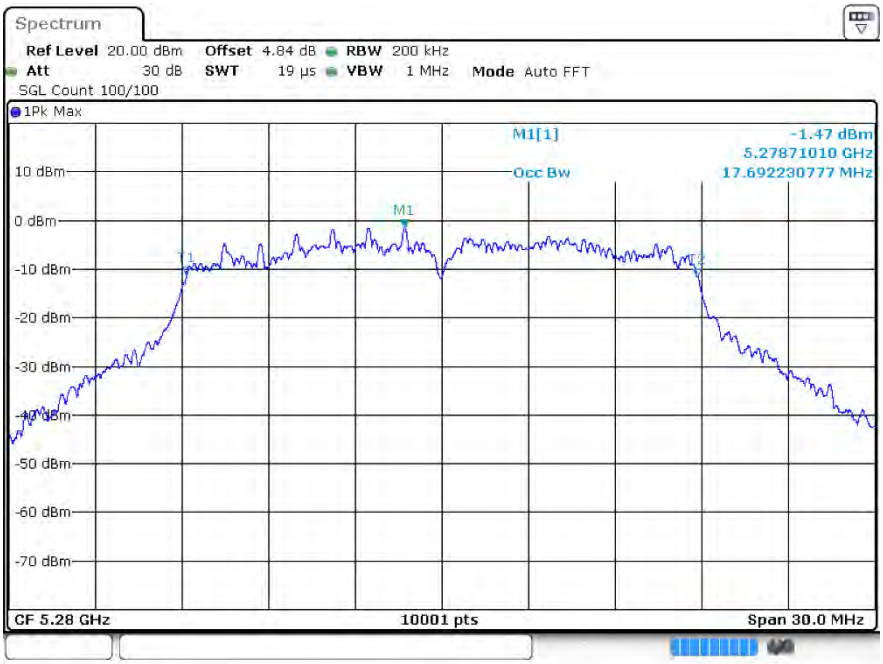
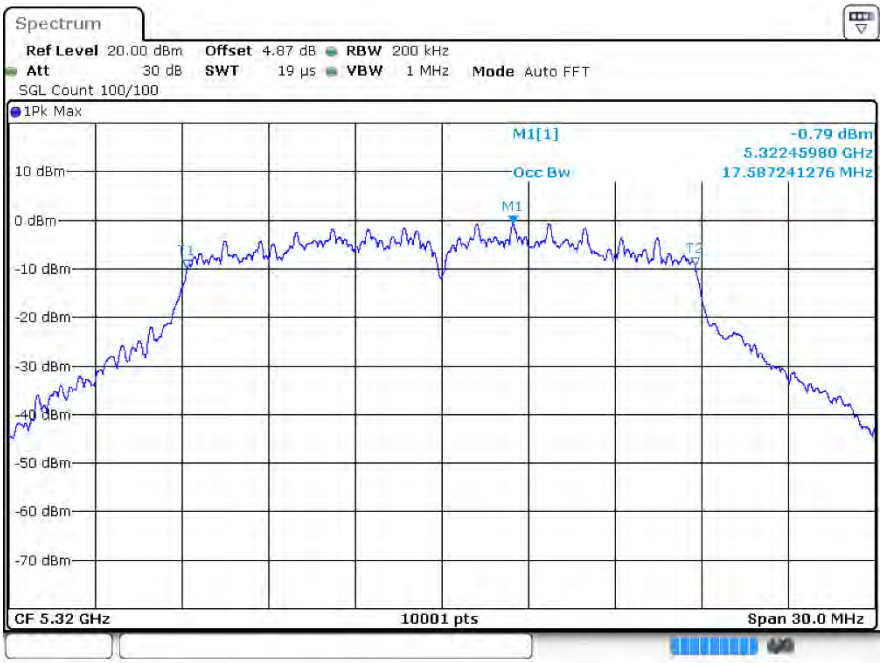
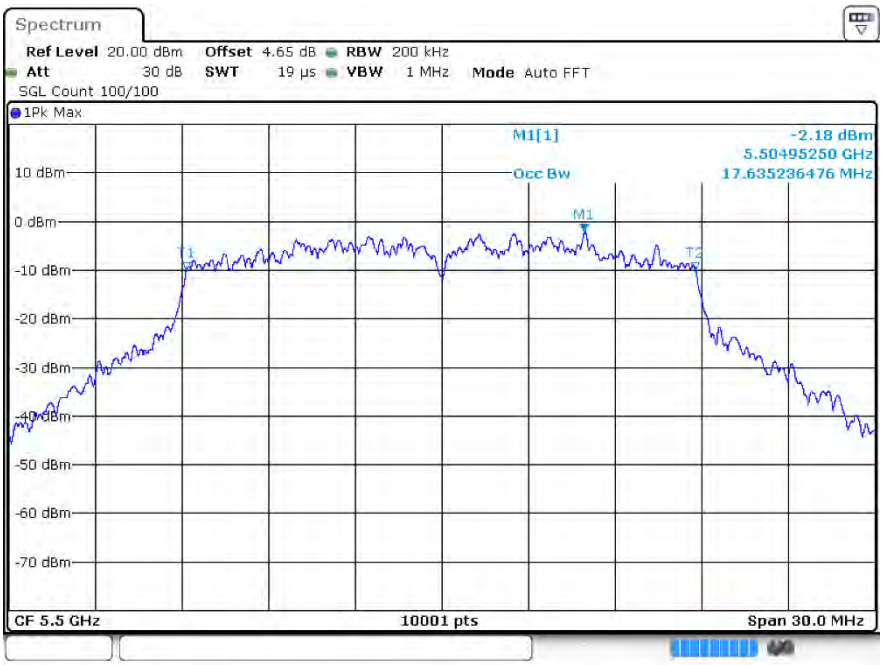


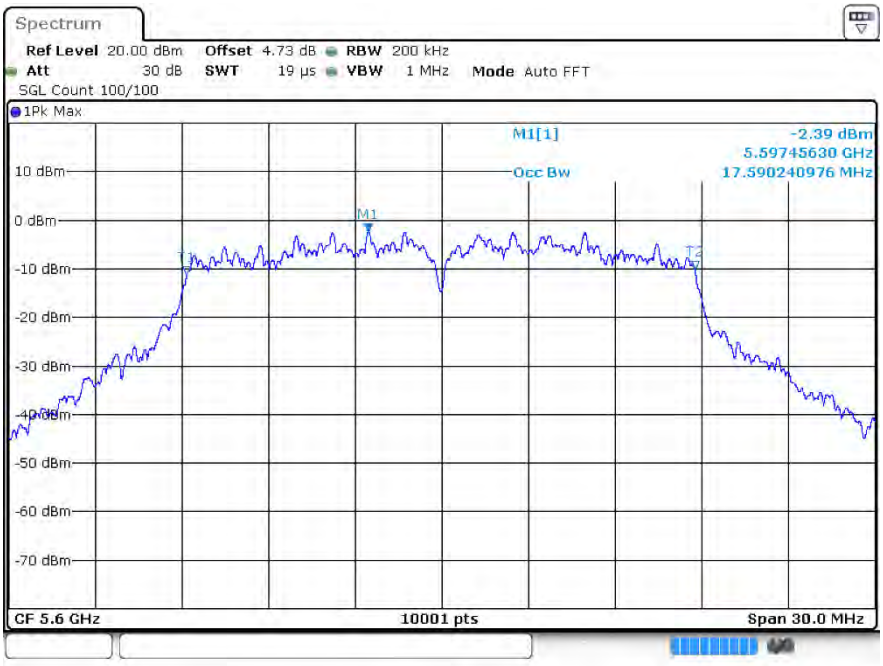
OBW n20 5320MHz Ant2



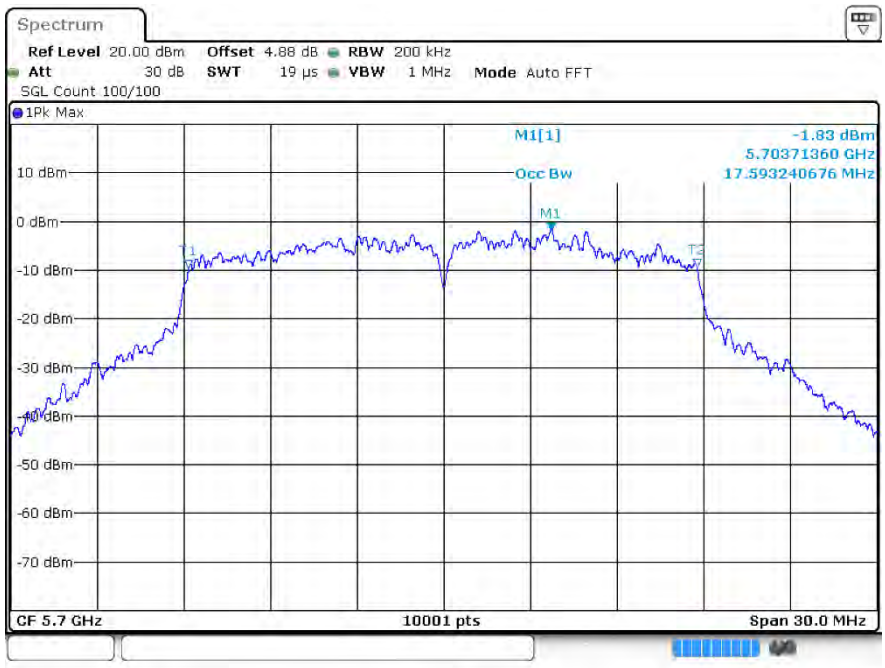
OBW n20 5500MHz Ant2



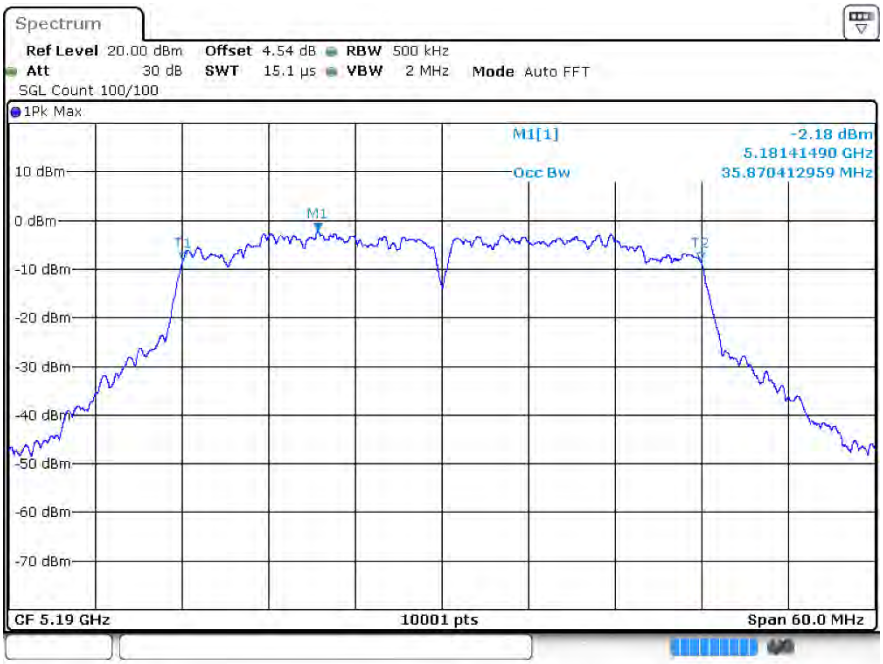
OBW n20 5600MHz Ant2



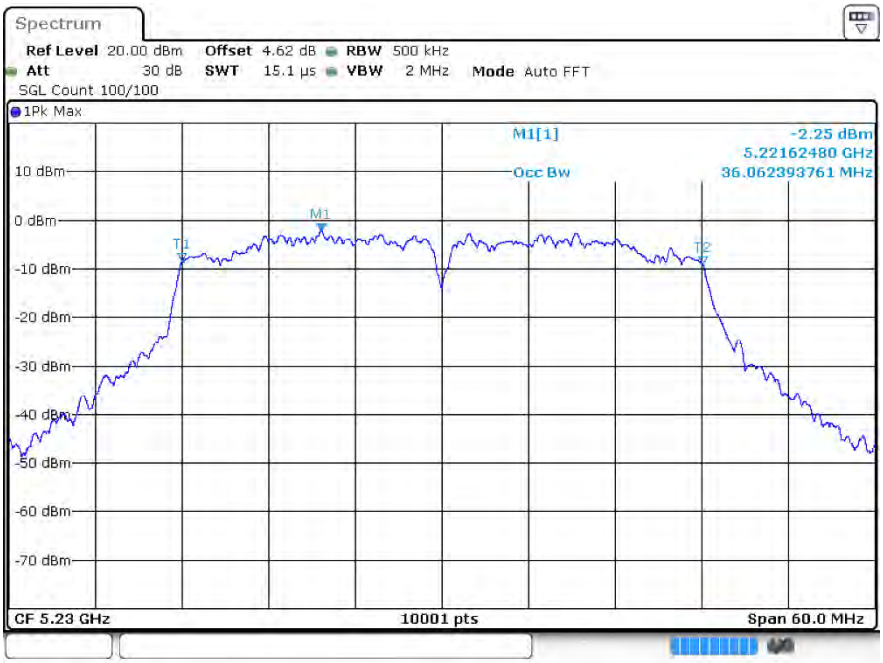
OBW n20 5700MHz Ant2



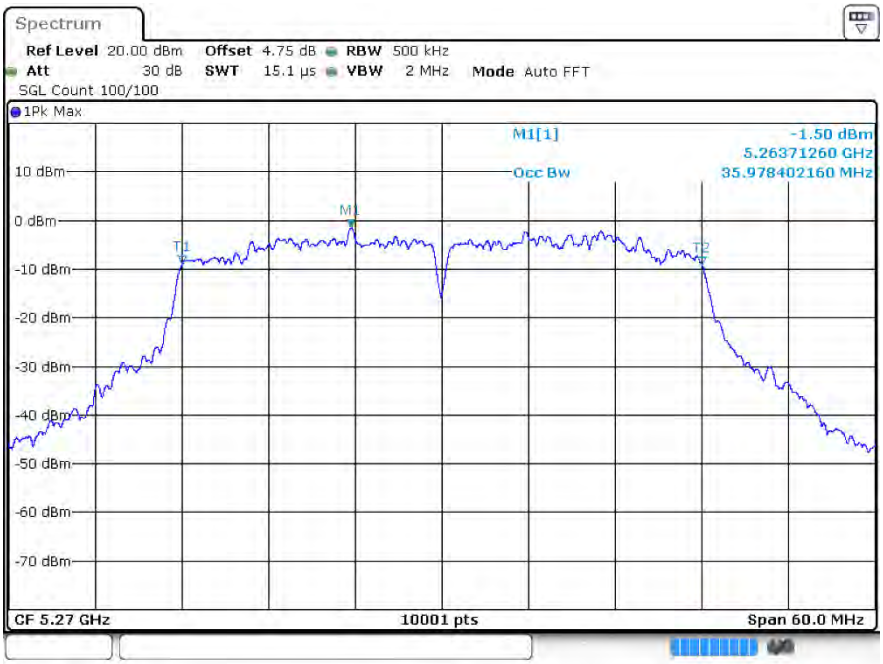
OBWn40 5190MHz Ant2



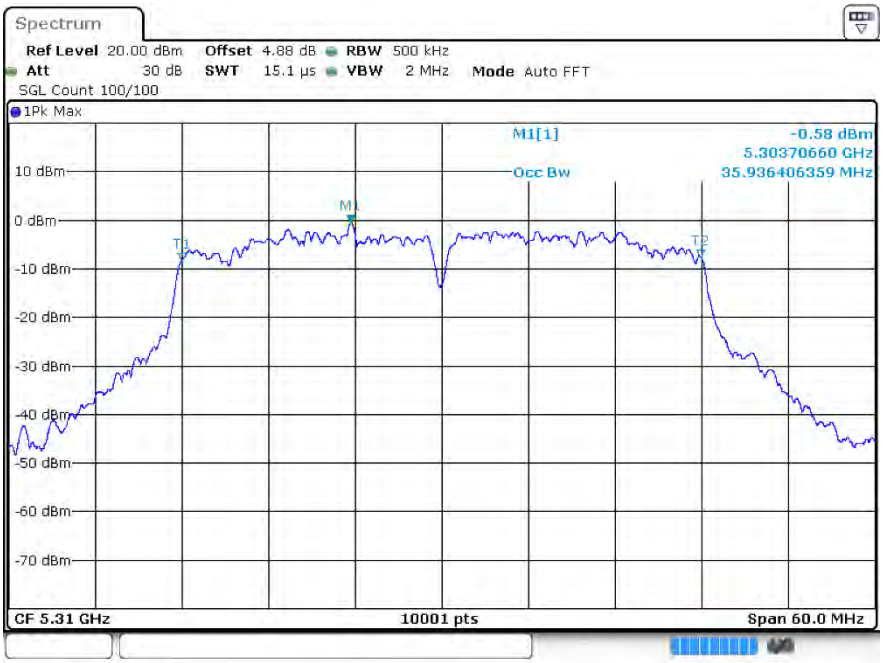
OBWn40 5230MHz Ant2



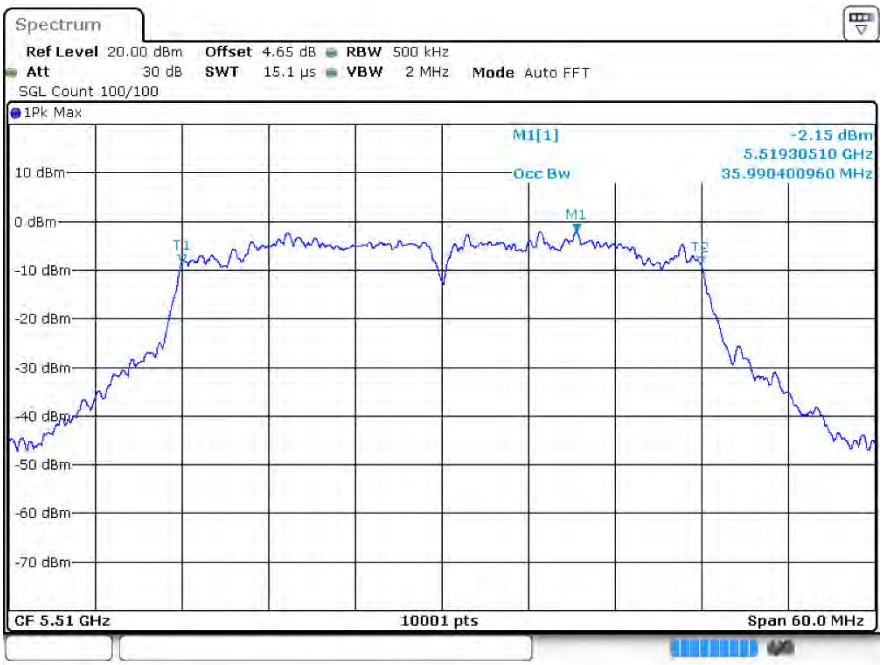
OBW n40 5270MHz Ant2



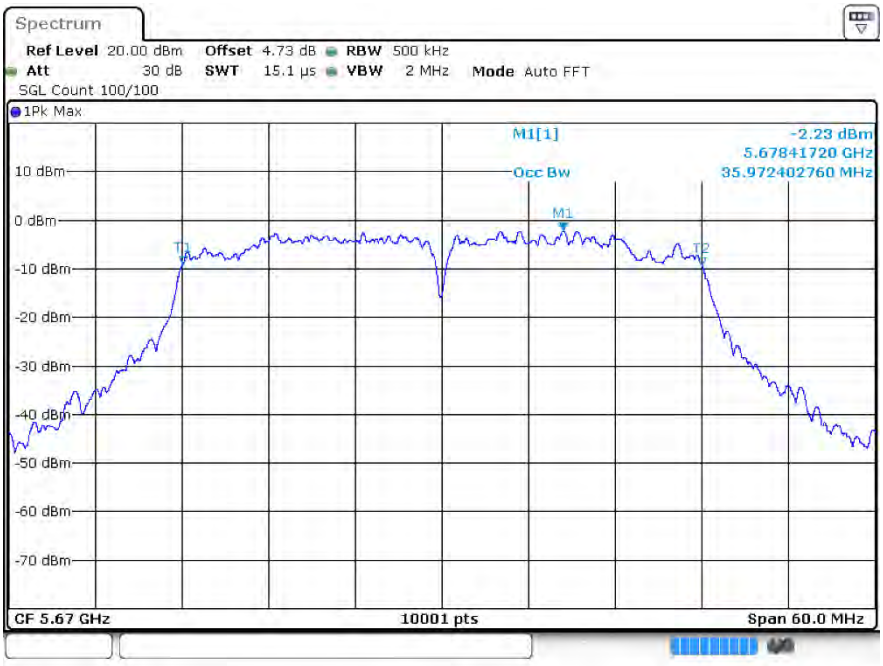
OBW n40 5310MHz Ant2



OBWn40 5510MHz Ant2



OBW n40 5670MHz Ant2



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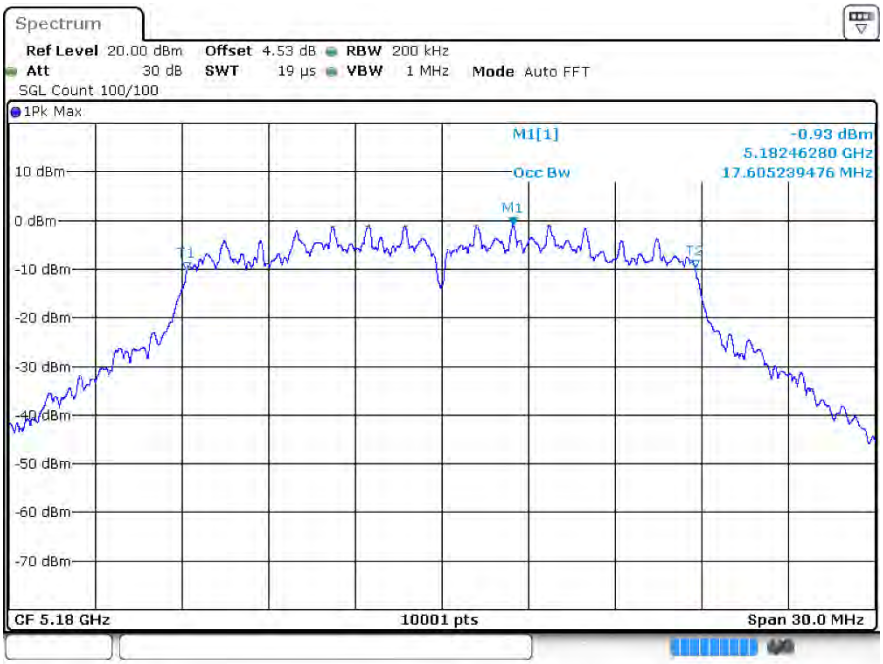
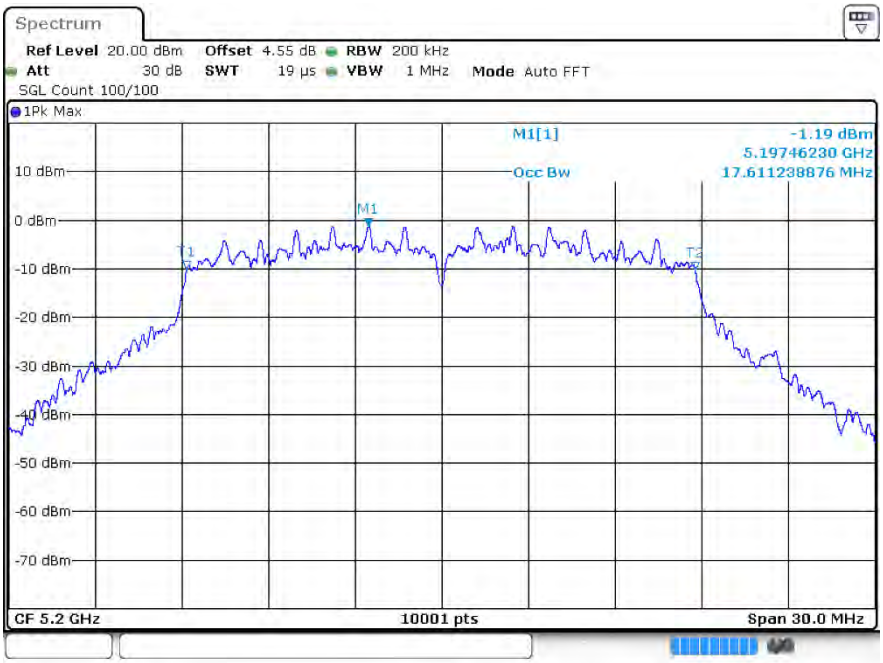


OBW ac20 5200MHz Ant2



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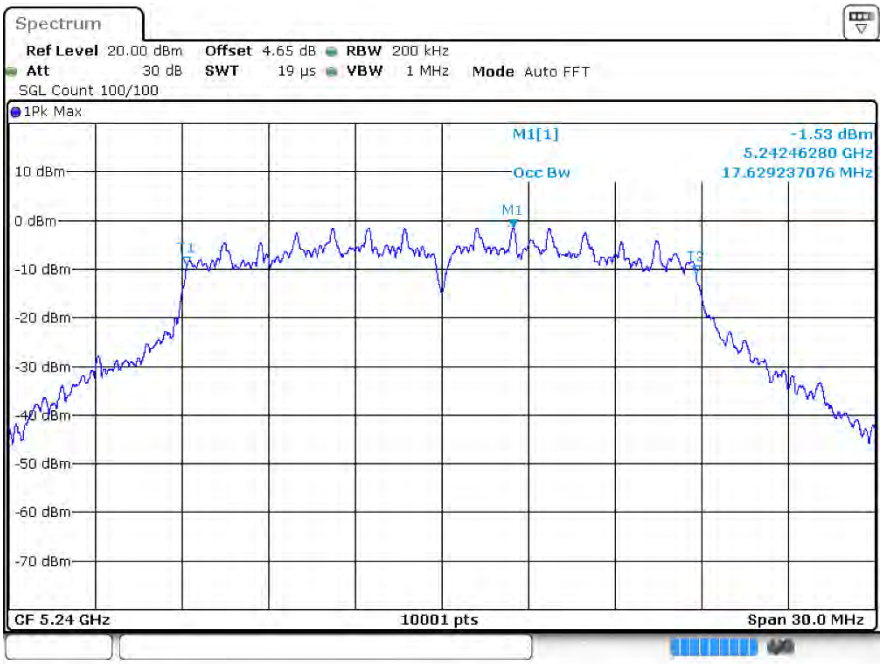

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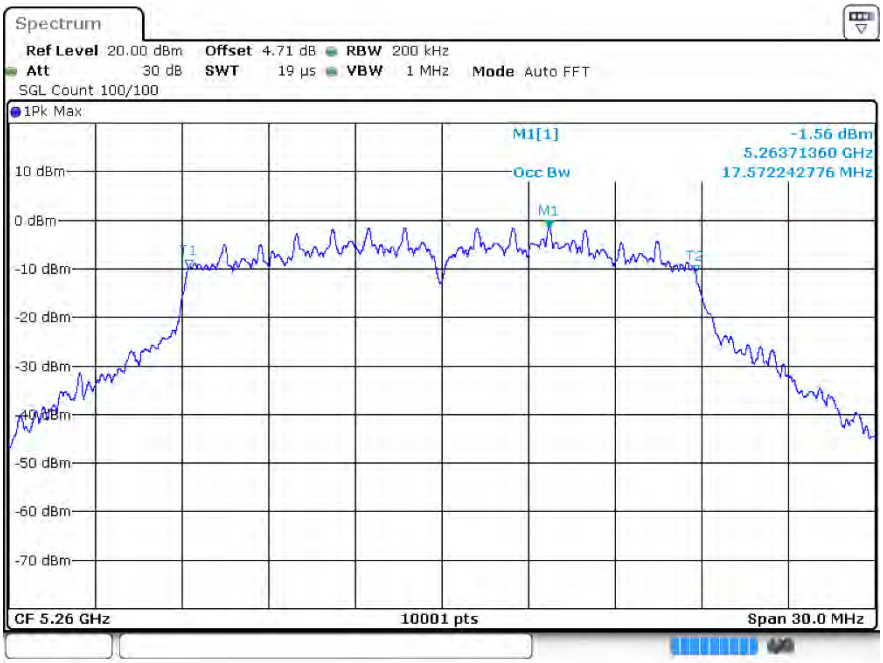

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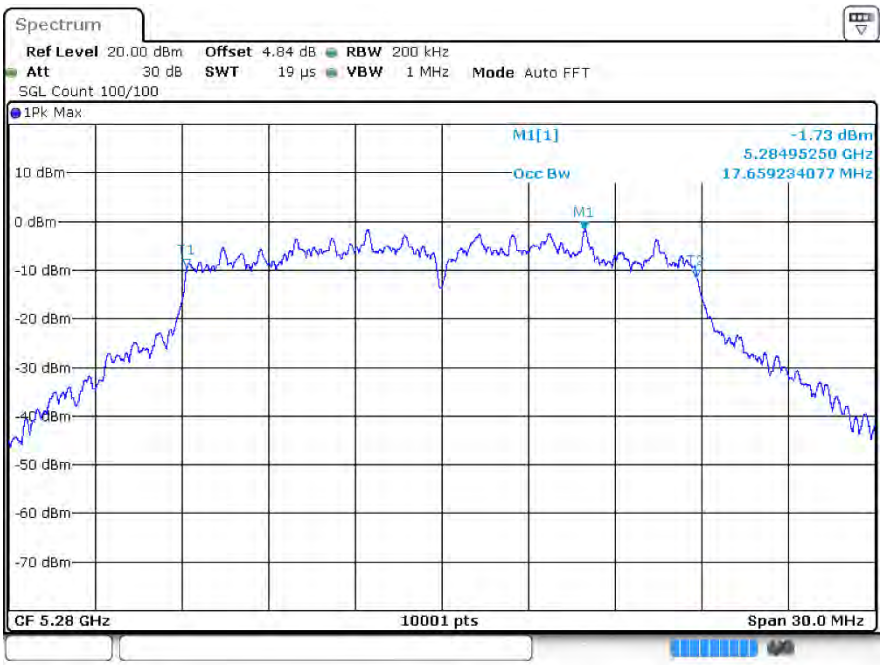
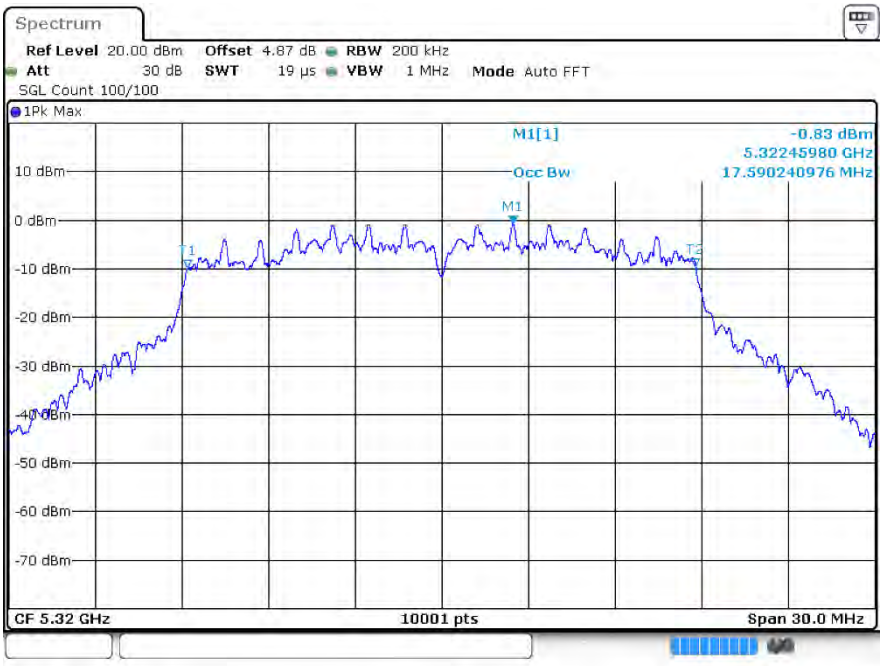


OBW ac20 5320MHz Ant2



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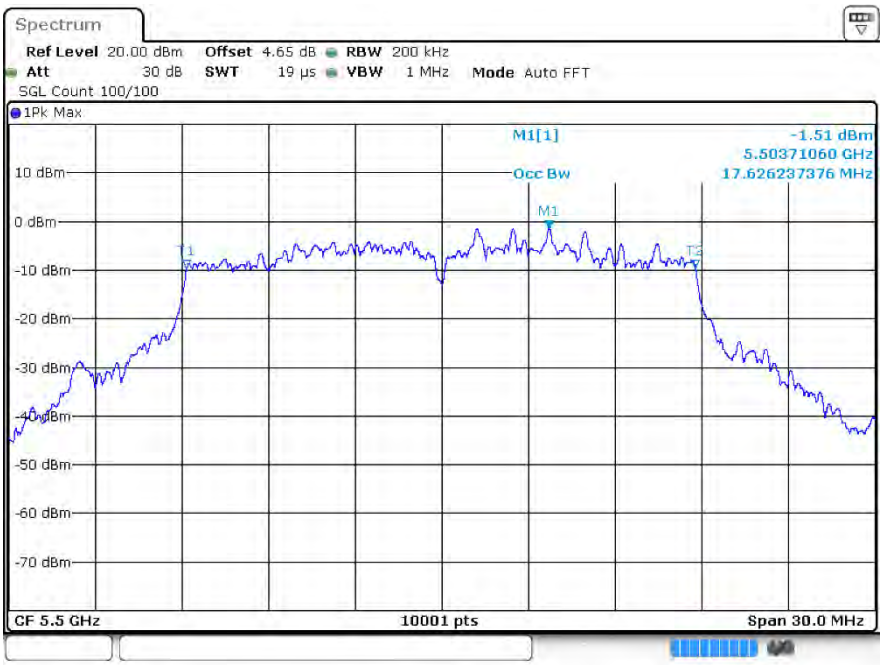
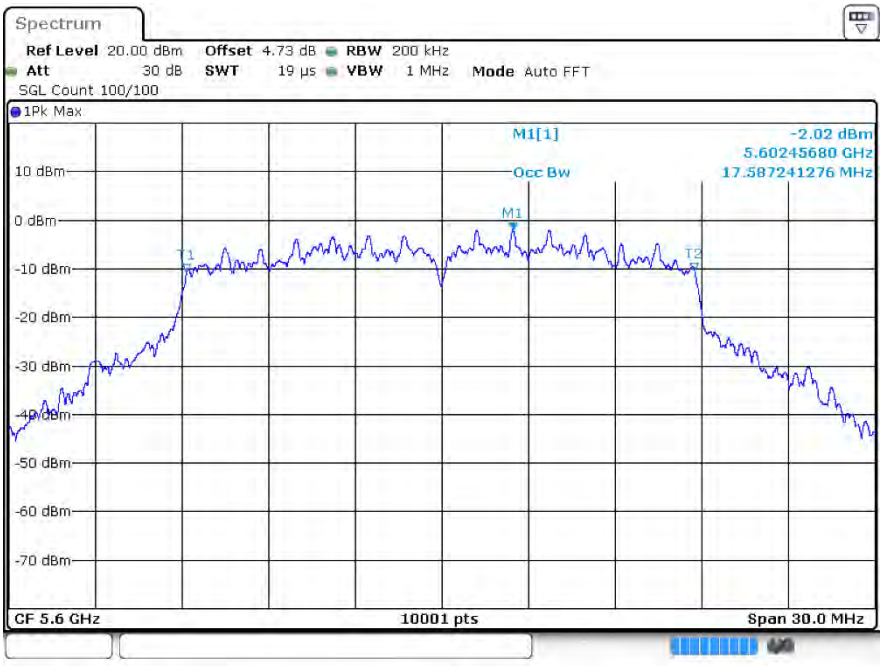


OBW ac20 5600MHz Ant2



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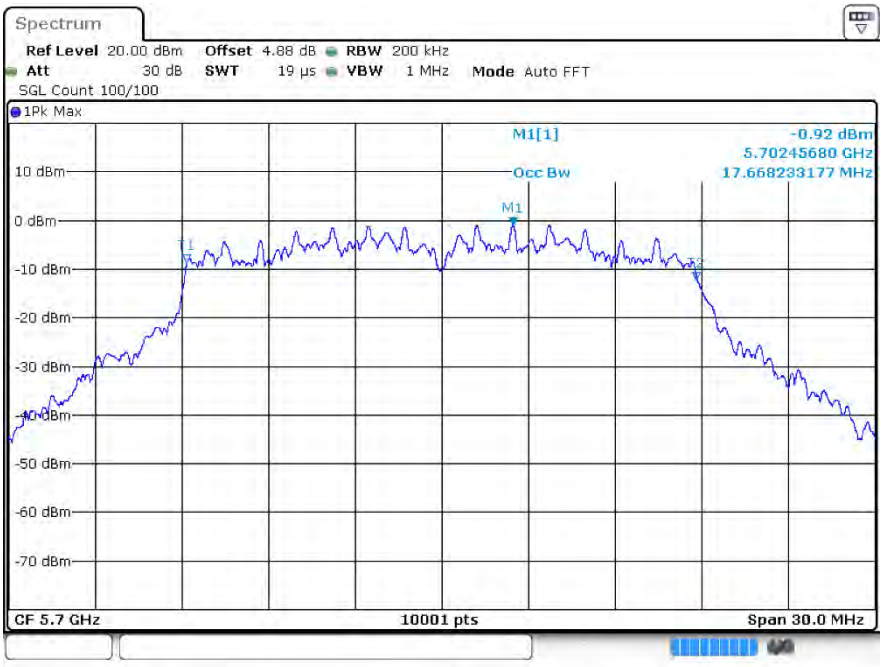

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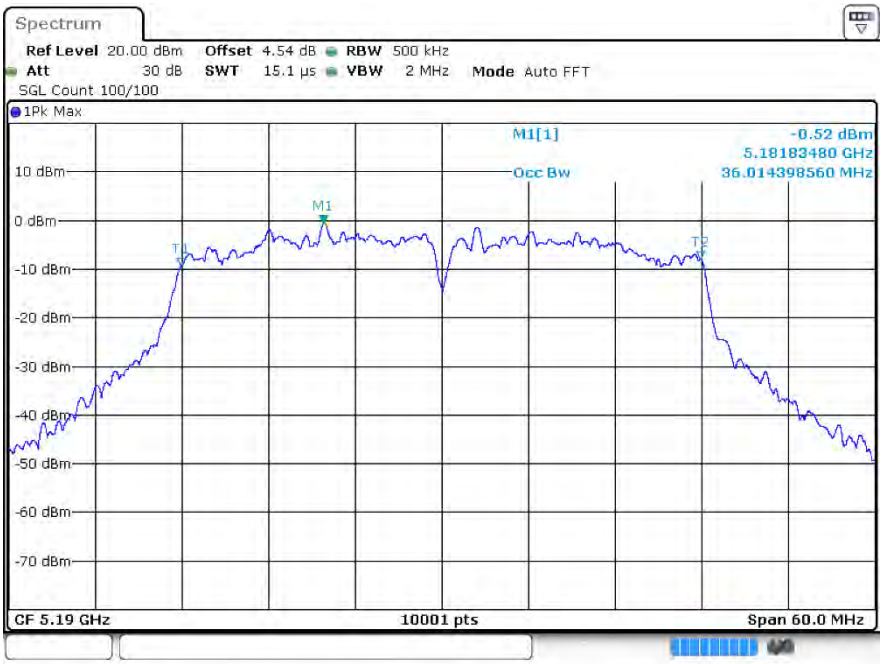

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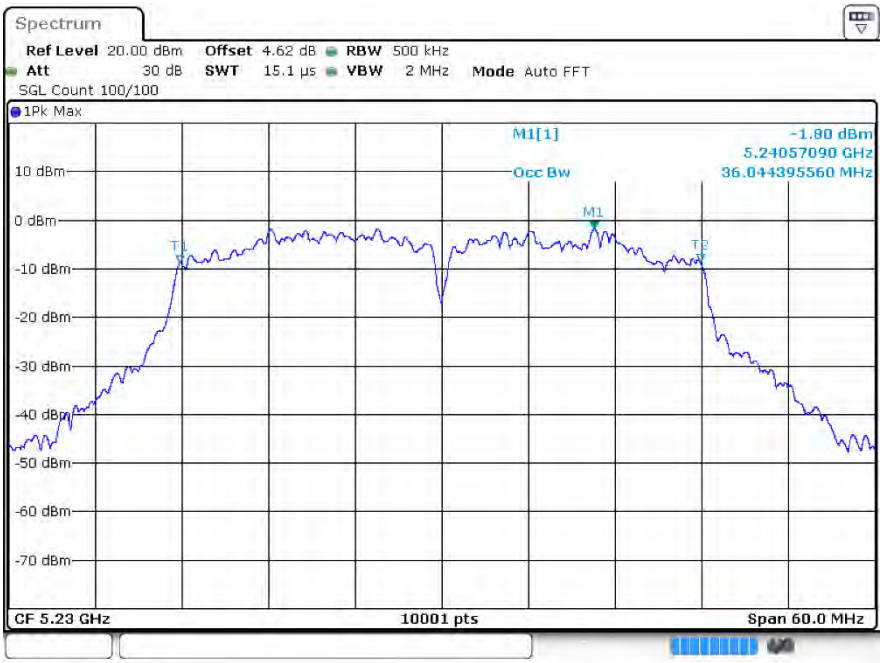
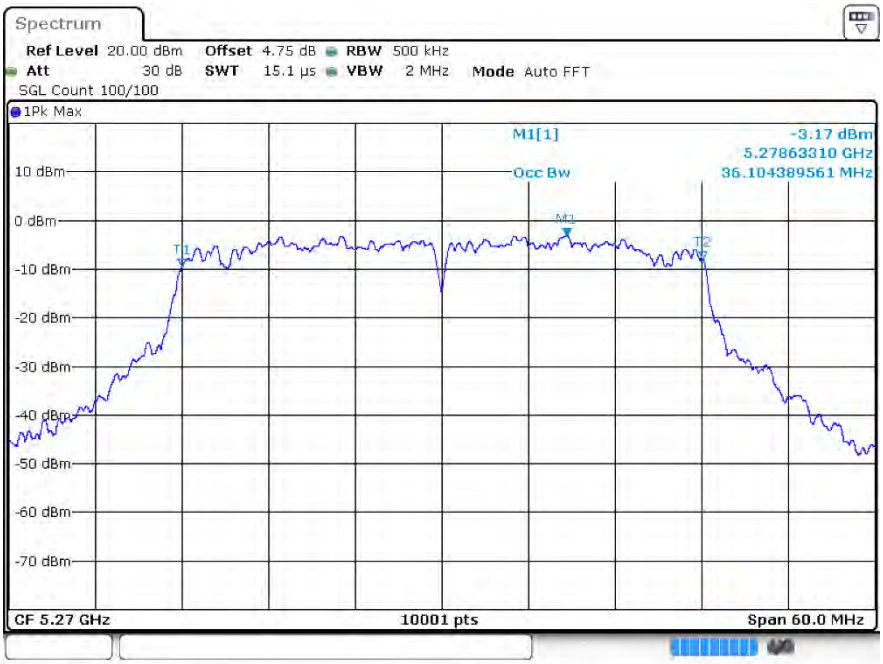
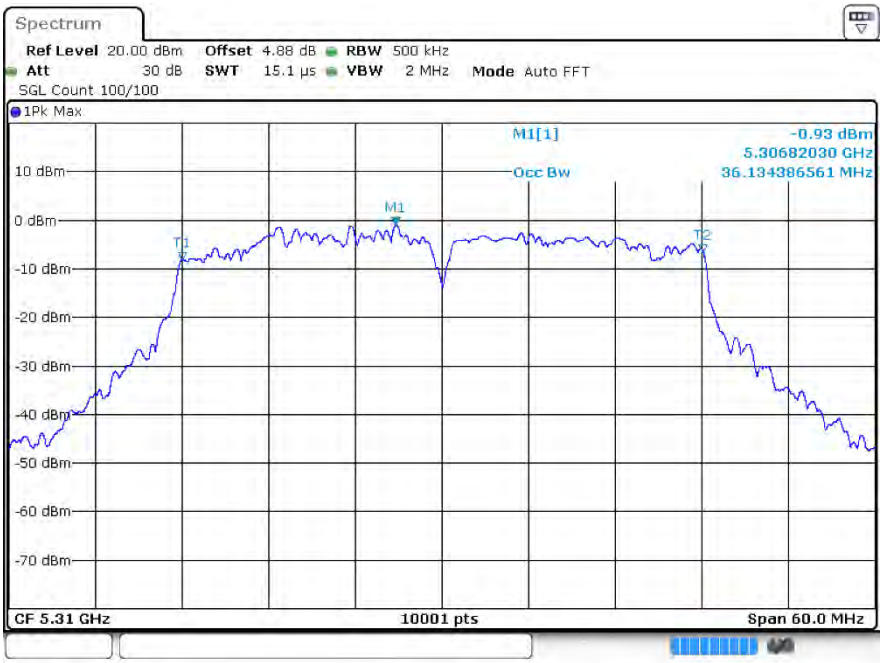


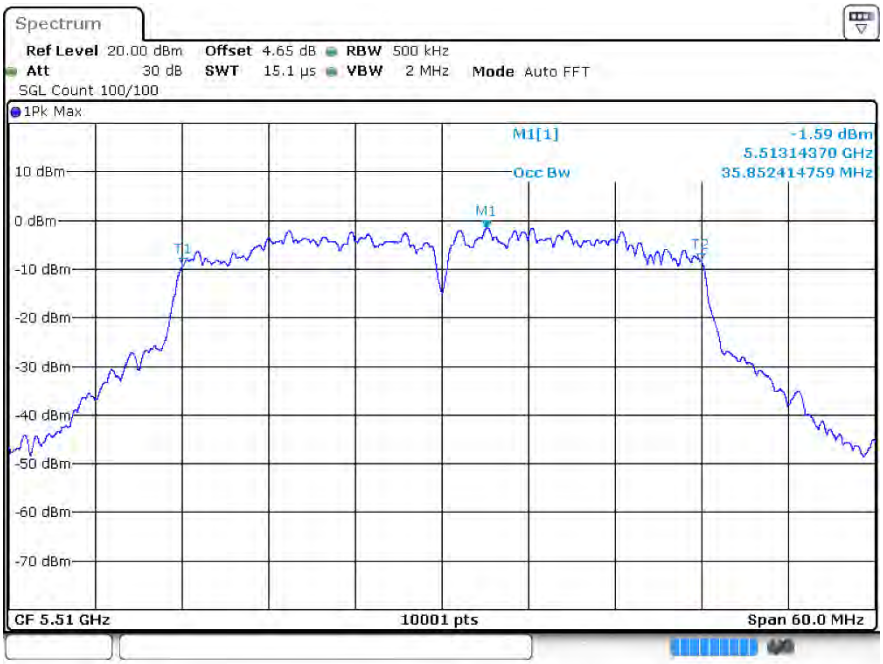
OBW ac40 5270MHz Ant2



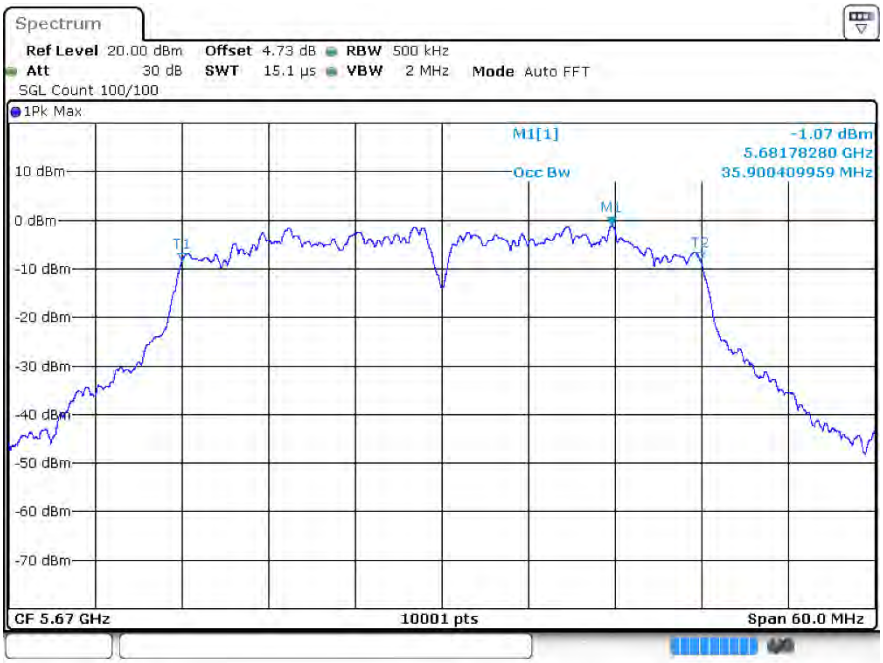
OBW ac40 5310MHz Ant2



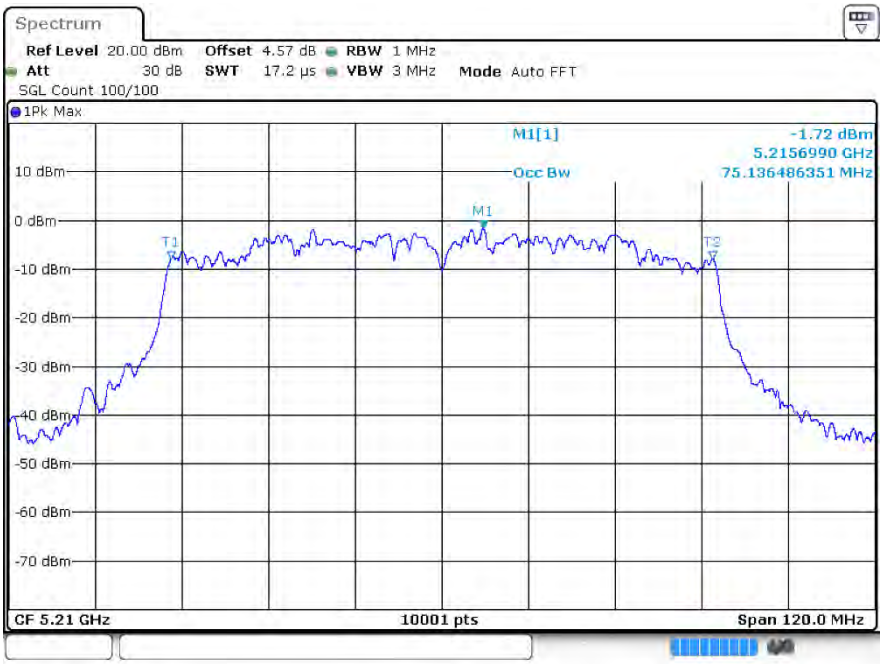
OBWac40 5510MHz Ant2



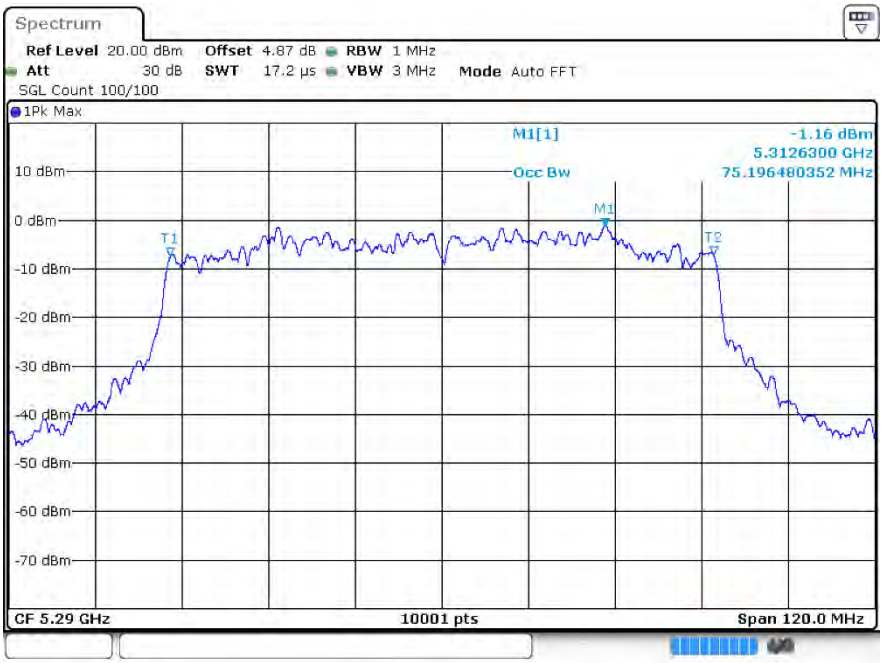
OBW ac40 5670MHz Ant2



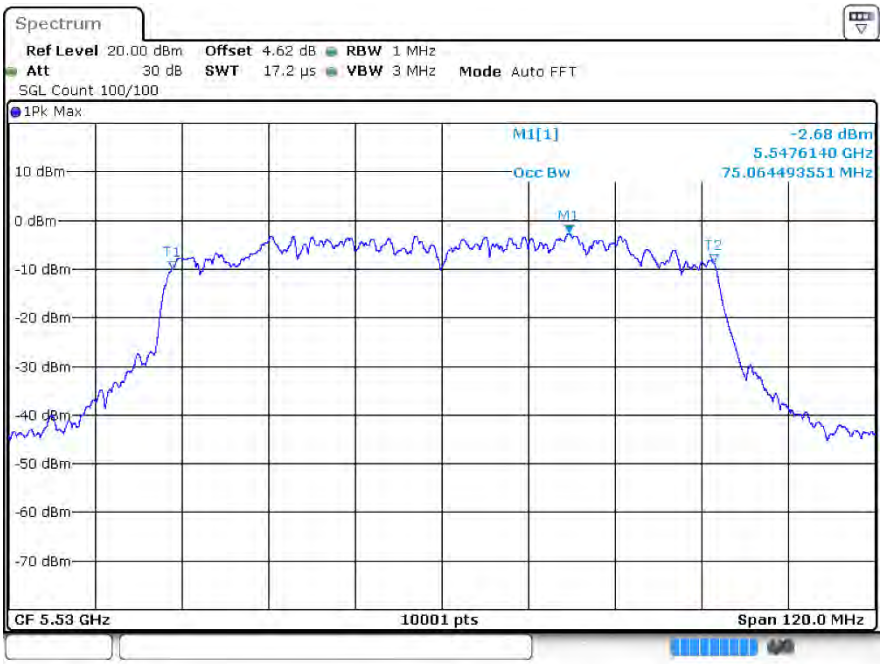
OBWac80 5210MHz Ant2



OBWac80 5290MHz Ant2



OBW ac80 5530MHz Ant2



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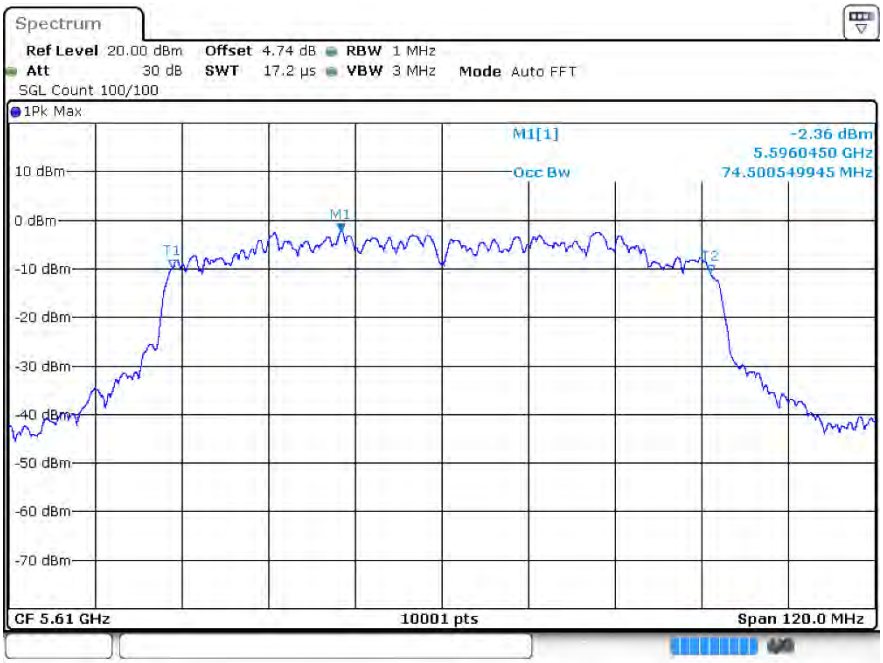

5 Maximum Power Spectral Density Level

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	7.97	0.61	8.58	11	Pass
a	5200	Ant1	7.85	0.6	8.45	11	Pass
a	5240	Ant1	8.57	0.6	9.17	11	Pass
a	5260	Ant1	8.32	0.61	8.93	11	Pass
a	5280	Ant1	8.93	0.61	9.54	11	Pass
a	5320	Ant1	7.28	0.6	7.88	11	Pass
a	5500	Ant1	8.13	0.6	8.73	11	Pass
a	5600	Ant1	6.84	0.61	7.45	11	Pass
a	5700	Ant1	8.11	0.6	8.71	11	Pass
a	5180	Ant2	7.86	0.6	8.46	11	Pass
a	5200	Ant2	7.42	0.6	8.02	11	Pass
a	5240	Ant2	7.68	0.61	8.29	11	Pass
a	5260	Ant2	7.62	0.6	8.22	11	Pass
a	5280	Ant2	7.72	0.61	8.33	11	Pass
a	5320	Ant2	7.91	0.59	8.5	11	Pass
a	5500	Ant2	7.37	0.61	7.98	11	Pass
a	5600	Ant2	6.43	0.6	7.03	11	Pass
a	5700	Ant2	8.15	0.59	8.74	11	Pass
n20	5180	Ant1	5.14	0.31	5.45	11	Pass
n20	5180	Ant2	4.27	0.31	4.58	11	Pass
n20	5180	Sum	7.74	0.31	8.05	9.49	Pass
n20	5200	Ant1	4.64	0.31	4.95	11	Pass
n20	5200	Ant2	3.93	0.31	4.24	11	Pass
n20	5200	Sum	7.31	0.31	7.62	9.49	Pass
n20	5240	Ant1	5.31	0.32	5.63	11	Pass
n20	5240	Ant2	3.12	0.31	3.43	11	Pass
n20	5240	Sum	7.36	0.31	7.67	9.49	Pass
n20	5280	Ant1	3.75	0.31	4.06	11	Pass
n20	5280	Ant2	4.29	0.31	4.6	11	Pass
n20	5280	Sum	7.04	0.31	7.35	9.49	Pass
n20	5320	Ant1	4.54	0.31	4.85	11	Pass
n20	5320	Ant2	4.92	0.31	5.23	11	Pass
n20	5320	Sum	7.74	0.31	8.05	9.49	Pass
n20	5500	Ant1	3.8	0.31	4.11	11	Pass
n20	5500	Ant2	3.29	0.31	3.6	11	Pass
n20	5500	Sum	6.56	0.31	6.87	9.49	Pass

n20	5600	Ant1	3.66	0.31	3.97	11	Pass
n20	5600	Ant2	3.75	0.31	4.06	11	Pass
n20	5600	Sum	6.72	0.31	7.03	9.49	Pass
n20	5700	Ant1	3.98	0.31	4.29	11	Pass
n20	5700	Ant2	4.72	0.31	5.03	11	Pass
n20	5700	Sum	7.38	0.31	7.69	9.49	Pass
n40	5190	Ant1	1.54	0.32	1.86	11	Pass
n40	5190	Ant2	1.28	0.32	1.6	11	Pass
n40	5190	Sum	4.42	0.32	4.74	9.49	Pass
n40	5230	Ant1	3.09	0.32	3.41	11	Pass
n40	5230	Ant2	0.97	0.33	1.3	11	Pass
n40	5230	Sum	5.17	0.33	5.5	9.49	Pass
n40	5270	Ant1	1.9	0.32	2.22	11	Pass
n40	5270	Ant2	0.23	0.32	0.55	11	Pass
n40	5270	Sum	4.16	0.32	4.48	9.49	Pass
n40	5310	Ant1	1.07	0.32	1.39	11	Pass
n40	5310	Ant2	1.23	0.32	1.55	11	Pass
n40	5310	Sum	4.16	0.32	4.48	9.49	Pass
n40	5510	Ant1	1.42	0.32	1.74	11	Pass
n40	5510	Ant2	0.92	0.32	1.24	11	Pass
n40	5510	Sum	4.19	0.32	4.51	9.49	Pass
n40	5670	Ant1	1.44	0.32	1.76	11	Pass
n40	5670	Ant2	1.08	0.32	1.4	11	Pass
n40	5670	Sum	4.27	0.32	4.59	9.49	Pass
ac20	5180	Ant1	5.19	0.6	5.79	11	Pass
ac20	5180	Ant2	4.86	0.6	5.46	11	Pass
ac20	5180	Sum	8.04	0.6	8.64	9.49	Pass
ac20	5200	Ant1	4.77	0.6	5.37	11	Pass
ac20	5200	Ant2	4.74	0.6	5.34	11	Pass
ac20	5200	Sum	7.77	0.6	8.37	9.49	Pass
ac20	5240	Ant1	5.49	0.59	6.08	11	Pass
ac20	5240	Ant2	4.08	0.6	4.68	11	Pass
ac20	5240	Sum	7.85	0.6	8.45	9.49	Pass
ac20	5280	Ant1	4.66	0.6	5.26	11	Pass
ac20	5280	Ant2	3.8	0.51	4.31	11	Pass
ac20	5280	Sum	7.26	0.51	7.77	9.49	Pass
ac20	5320	Ant1	3.26	0.51	3.77	11	Pass
ac20	5320	Ant2	5.1	0.6	5.7	11	Pass
ac20	5320	Sum	7.29	0.6	7.89	9.49	Pass
ac20	5500	Ant1	3.83	0.6	4.43	11	Pass
ac20	5500	Ant2	3.59	0.6	4.19	11	Pass
ac20	5500	Sum	6.72	0.6	7.32	9.49	Pass
ac20	5600	Ant1	4.03	0.6	4.63	11	Pass

ac20	5600	Ant2	4.34	0.59	4.93	11	Pass
ac20	5600	Sum	7.2	0.59	7.79	9.49	Pass
ac20	5700	Ant1	3.31	0.59	3.9	11	Pass
ac20	5700	Ant2	4.87	0.6	5.47	11	Pass
ac20	5700	Sum	7.17	0.6	7.77	9.49	Pass
ac40	5190	Ant1	1.62	0.58	2.2	11	Pass
ac40	5190	Ant2	1.95	0.6	2.55	11	Pass
ac40	5190	Sum	4.8	0.6	5.4	9.49	Pass
ac40	5230	Ant1	1.98	0.59	2.57	11	Pass
ac40	5230	Ant2	1.03	0.61	1.64	11	Pass
ac40	5230	Sum	4.54	0.61	5.15	9.49	Pass
ac40	5270	Ant1	1.66	0.59	2.25	11	Pass
ac40	5270	Ant2	1.05	0.59	1.64	11	Pass
ac40	5270	Sum	4.38	0.59	4.97	9.49	Pass
ac40	5310	Ant1	1.4	0.58	1.98	11	Pass
ac40	5310	Ant2	2.86	0.6	3.46	11	Pass
ac40	5310	Sum	5.2	0.6	5.8	9.49	Pass
ac40	5510	Ant1	0.83	0.59	1.42	11	Pass
ac40	5510	Ant2	1.36	0.59	1.95	11	Pass
ac40	5510	Sum	4.11	0.59	4.7	9.49	Pass
ac40	5670	Ant1	0.73	0.6	1.33	11	Pass
ac40	5670	Ant2	3.01	0.59	3.6	11	Pass
ac40	5670	Sum	5.03	0.59	5.62	9.49	Pass
ac80	5210	Ant1	-1.93	0.58	-1.35	11	Pass
ac80	5210	Ant2	-2.19	0.72	-1.47	11	Pass
ac80	5210	Sum	0.95	0.72	1.67	9.49	Pass
ac80	5290	Ant1	-2.48	0.59	-1.89	11	Pass
ac80	5290	Ant2	-1.87	0.59	-1.28	11	Pass
ac80	5290	Sum	0.85	0.59	1.44	9.49	Pass
ac80	5530	Ant1	-2.99	0.58	-2.41	11	Pass
ac80	5530	Ant2	-2.43	0.7	-1.73	11	Pass
ac80	5530	Sum	0.31	0.7	1.01	9.49	Pass
ac80	5610	Ant1	-2.89	0.59	-2.3	11	Pass
ac80	5610	Ant2	-2.91	0.65	-2.26	11	Pass
ac80	5610	Sum	0.11	0.65	0.76	9.49	Pass