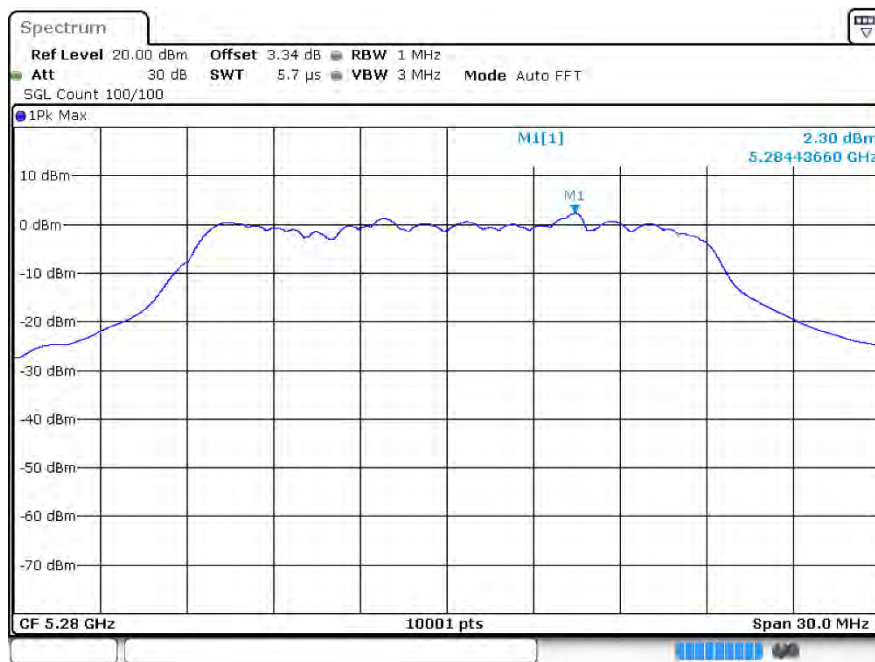
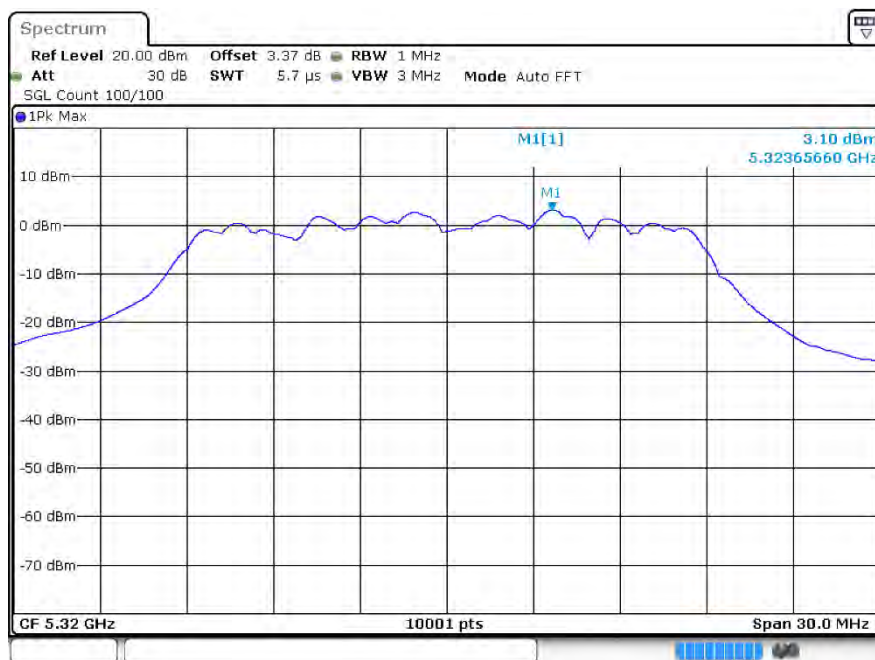


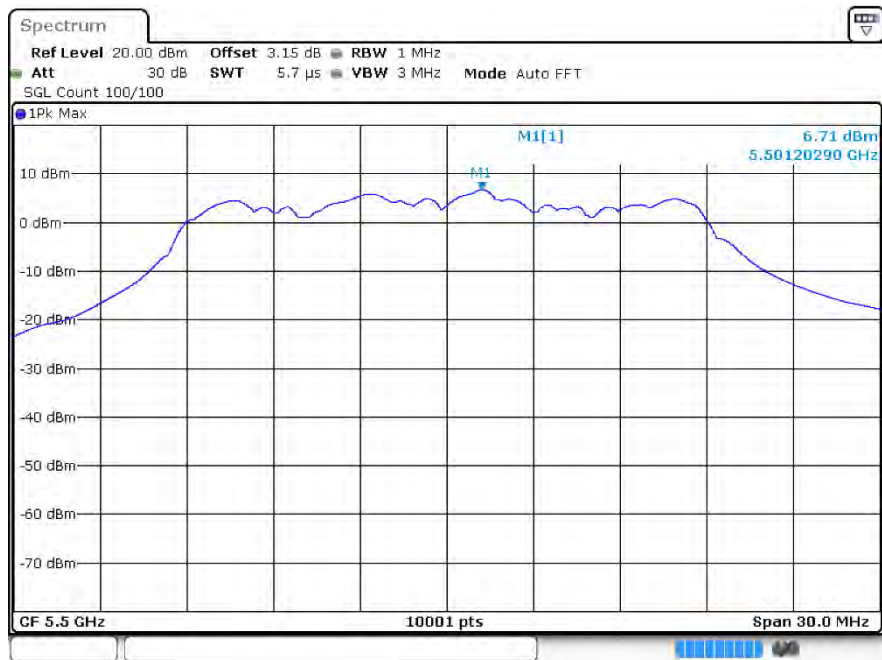
PSD n20 5280MHz Ant2



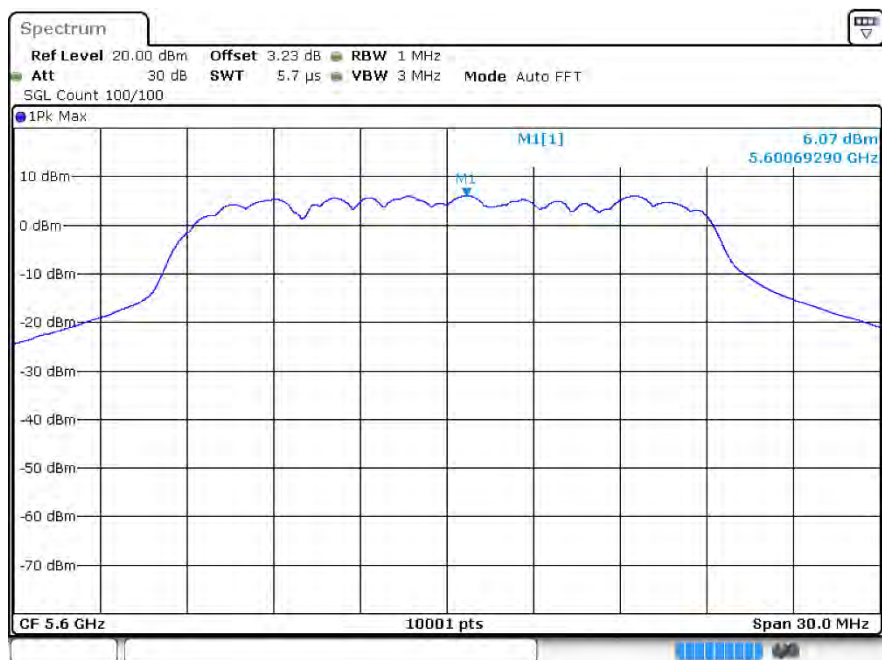
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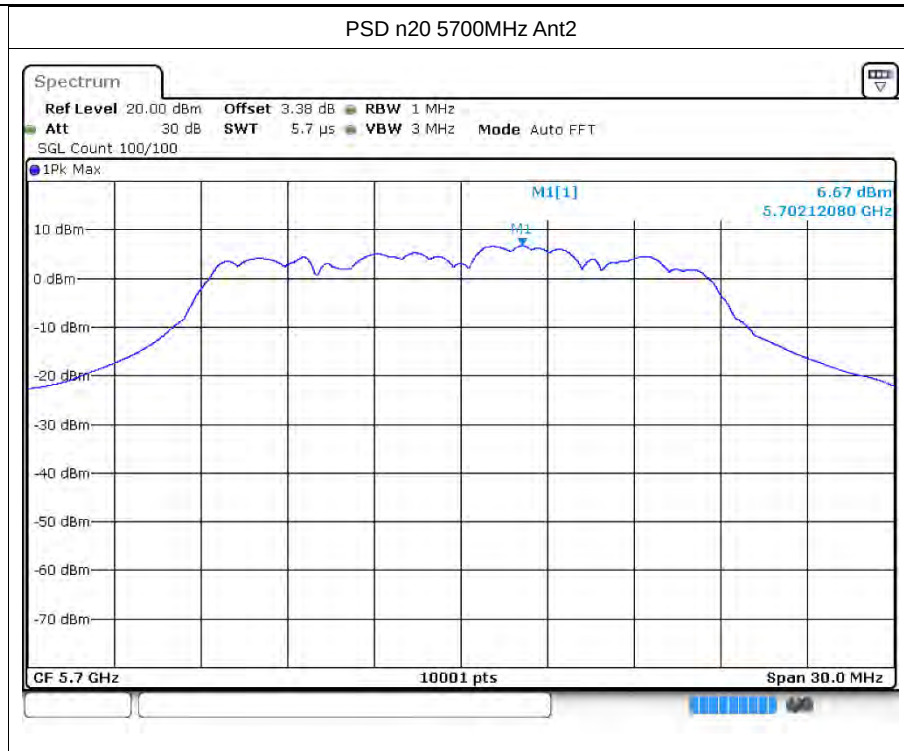


PSD n20 5500MHz Ant2

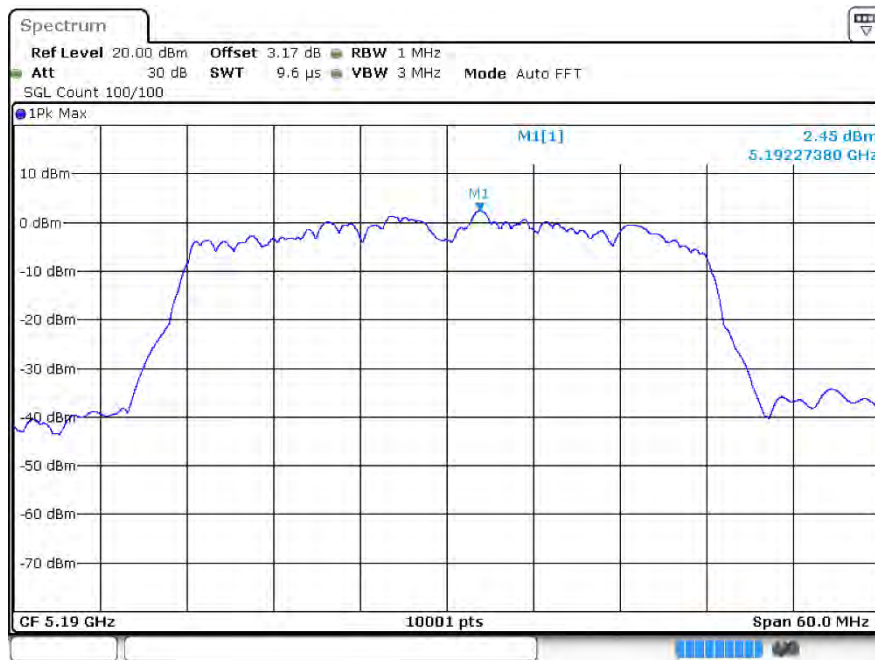


PSD n20 5600MHz Ant2

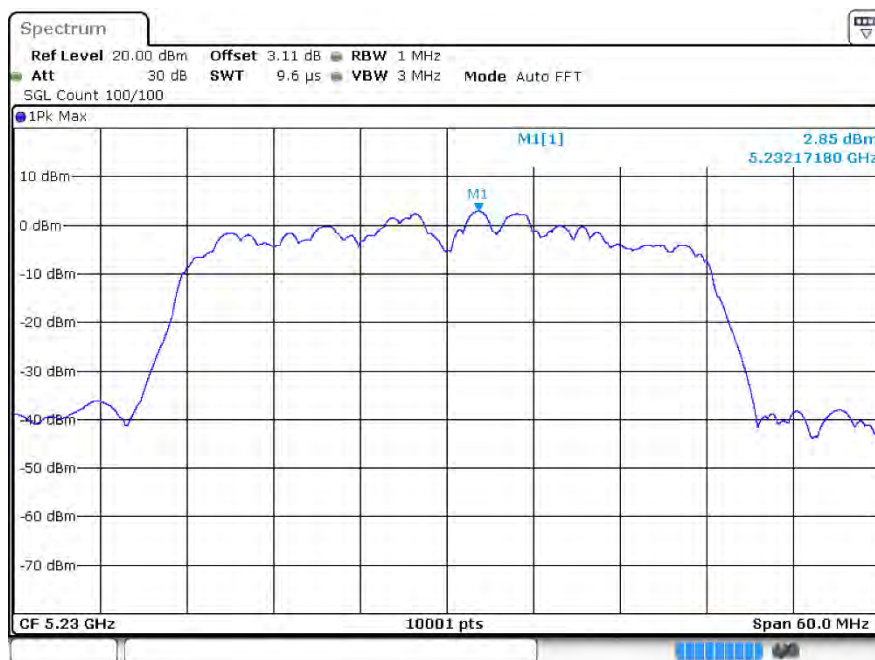




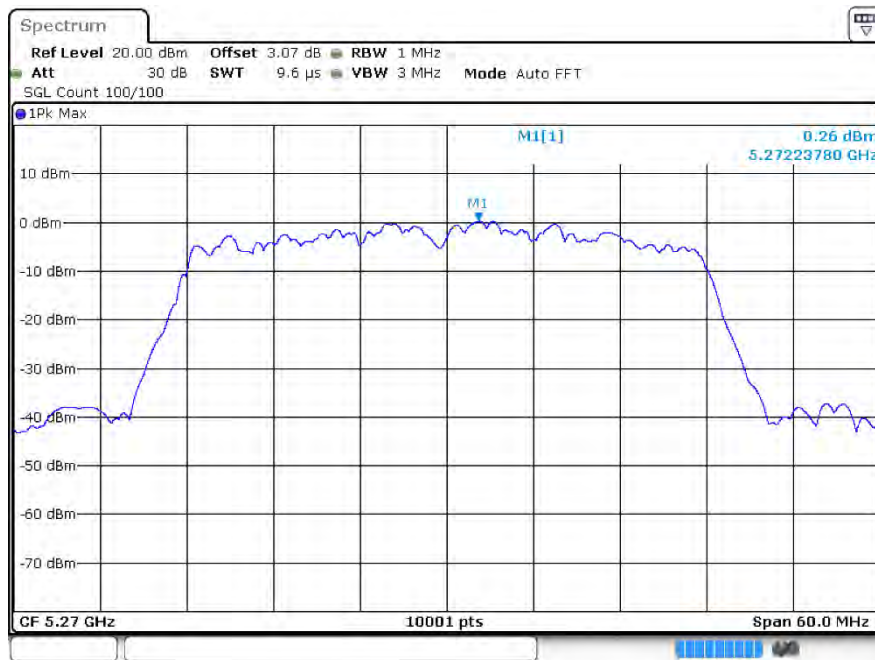
PSDn40 5190MHz Ant1



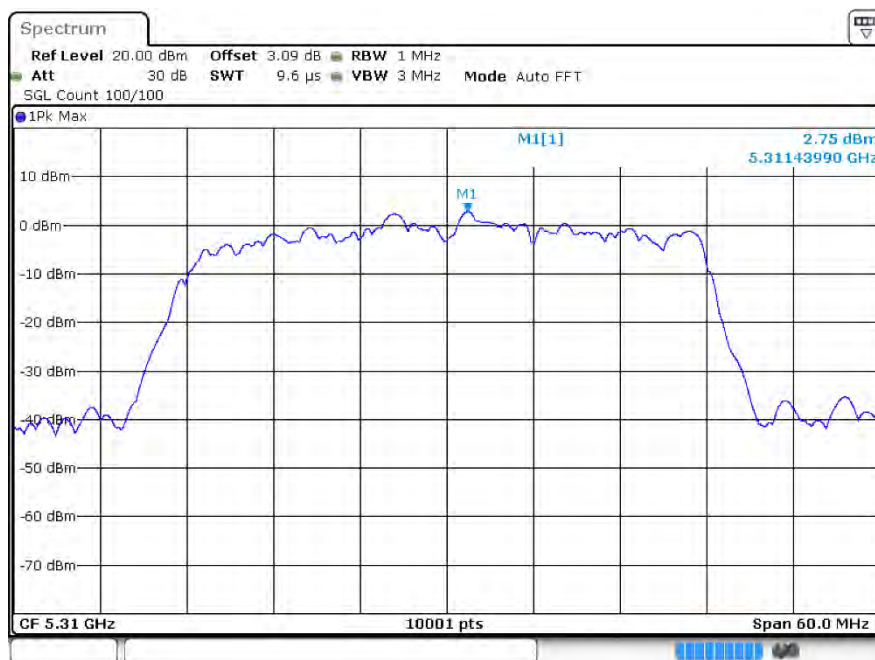
PSDn40 5230MHz Ant1



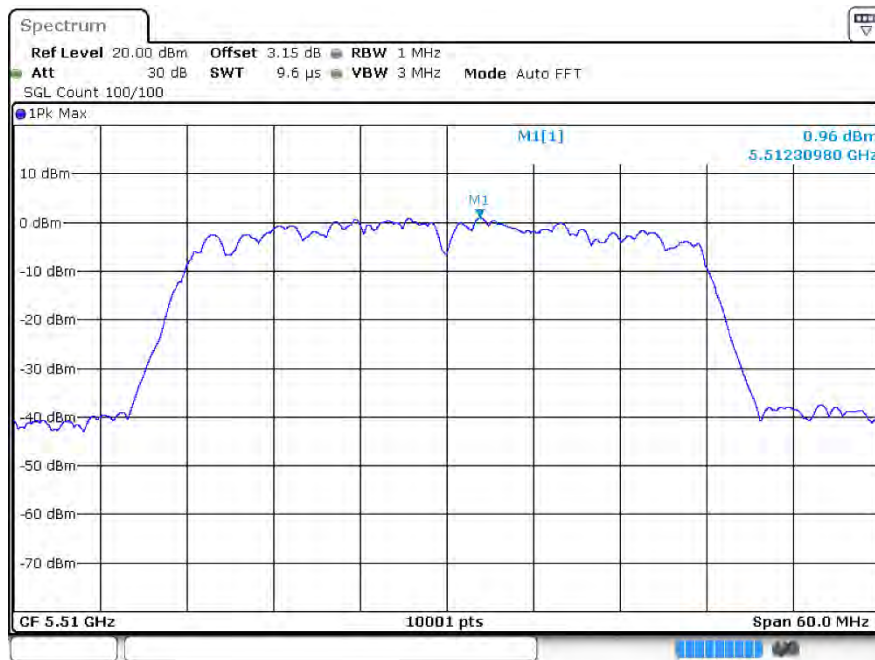
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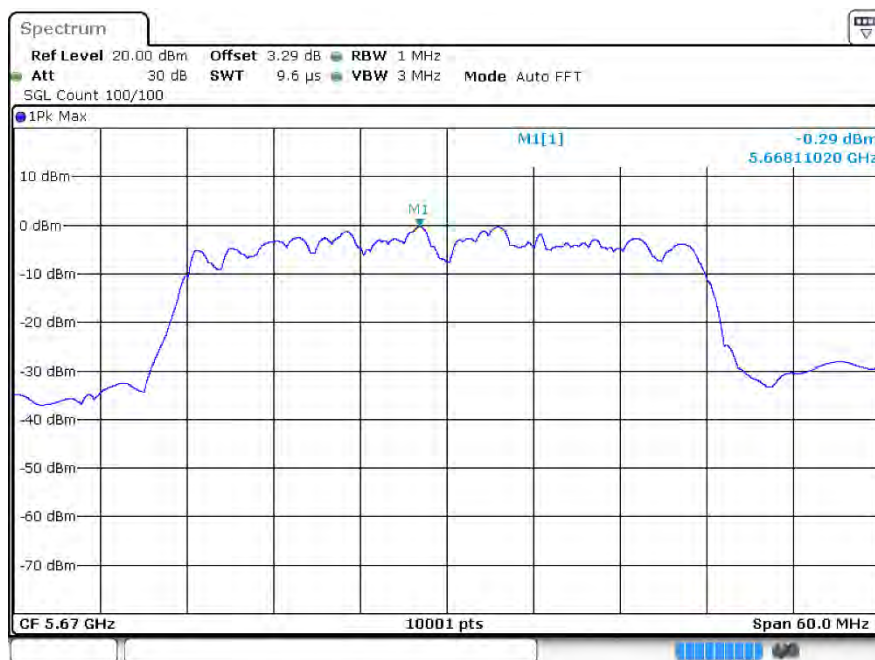
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PSDn40 5510MHz Ant1



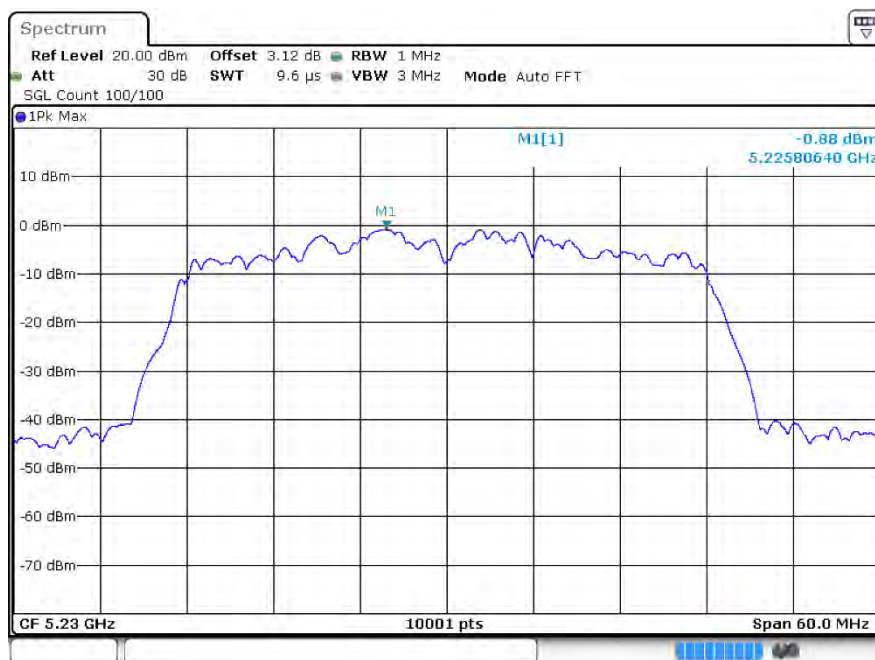
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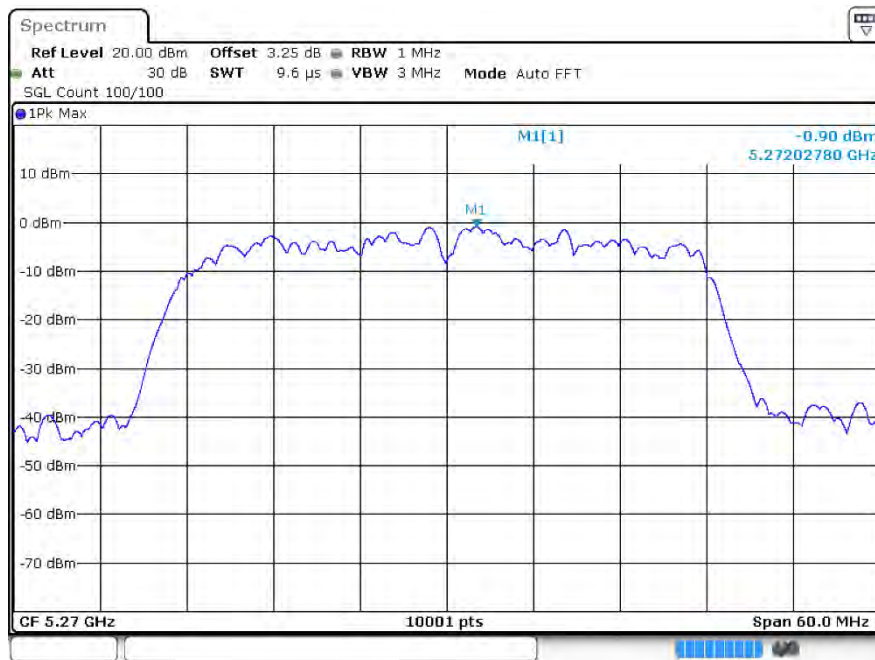
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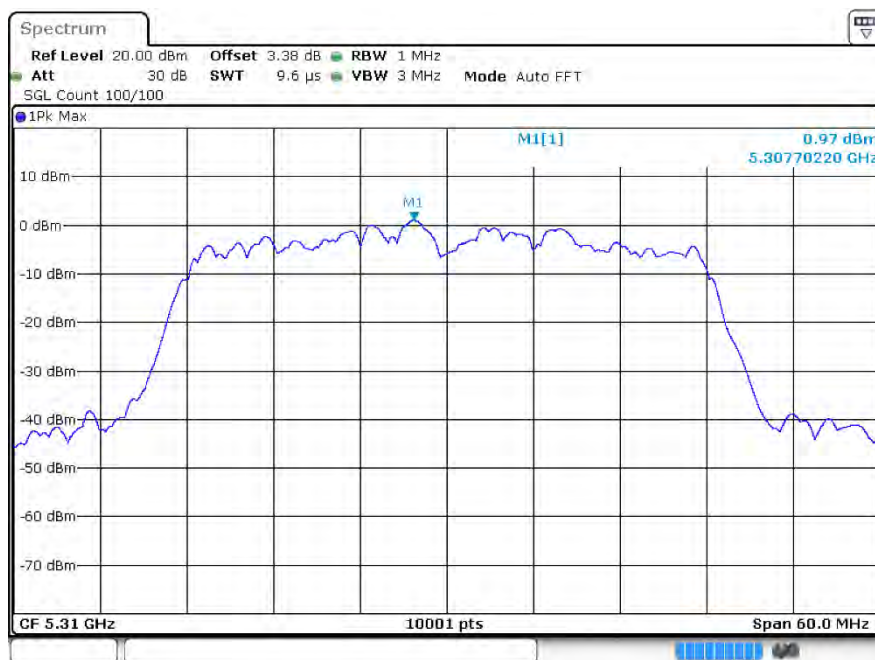
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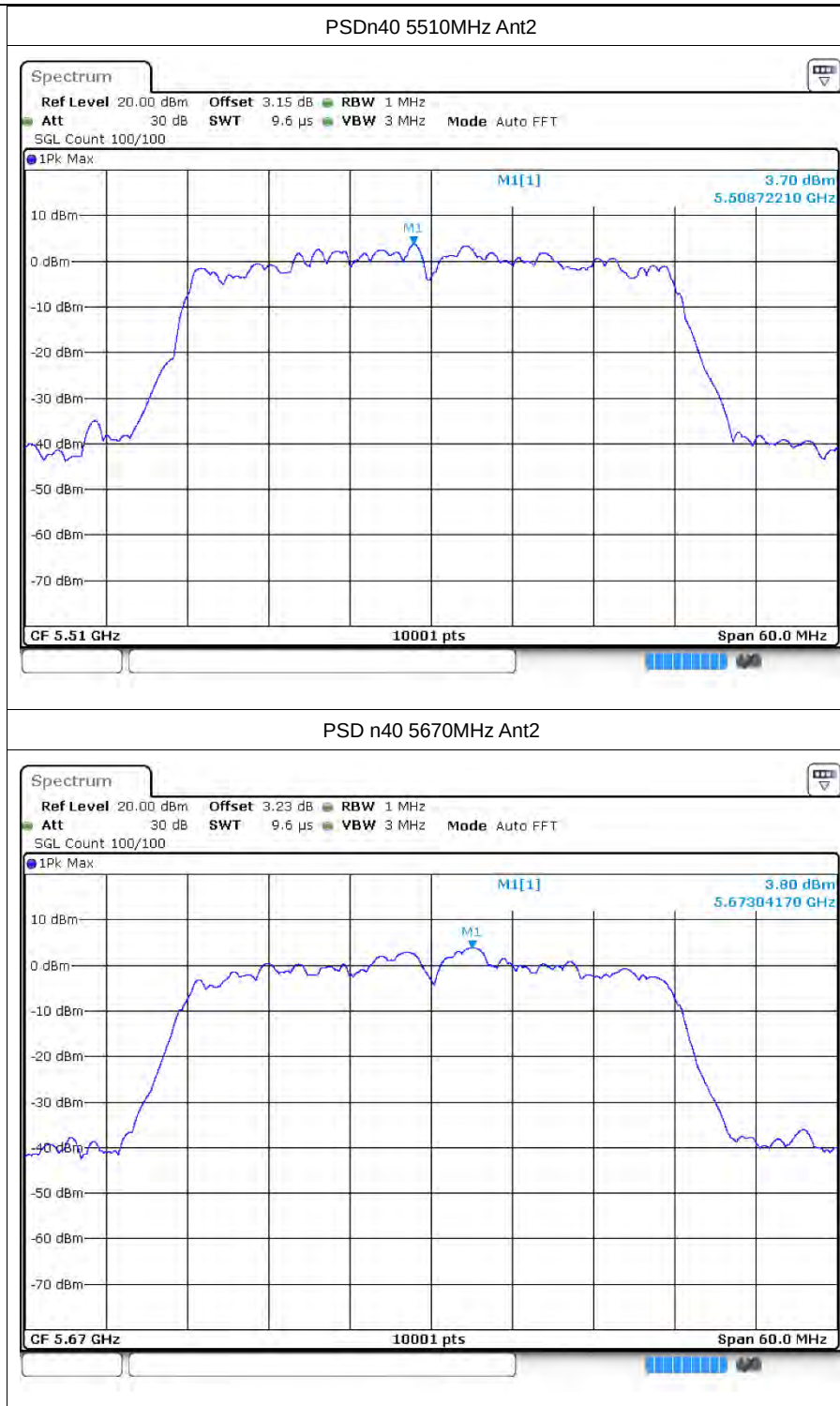


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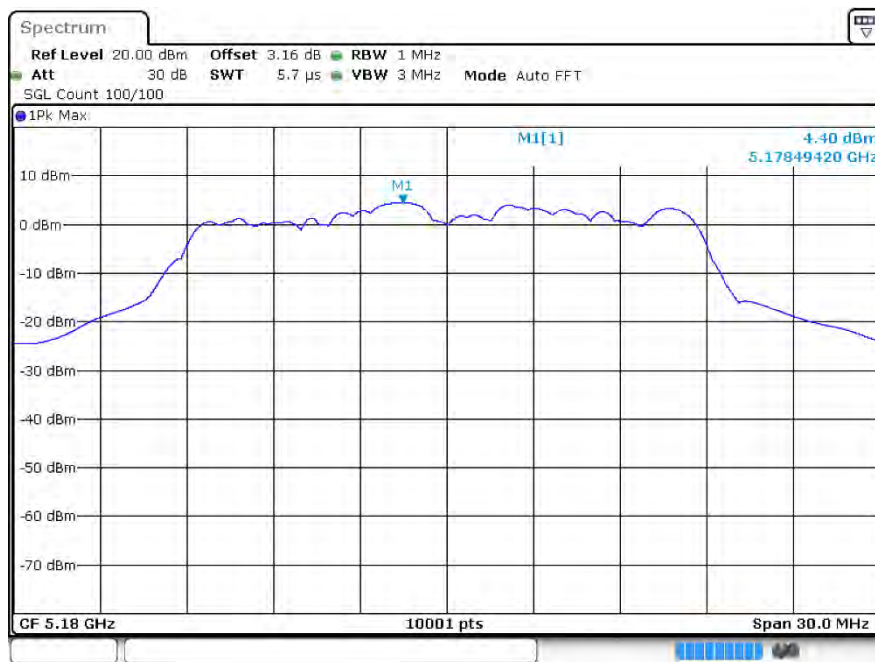


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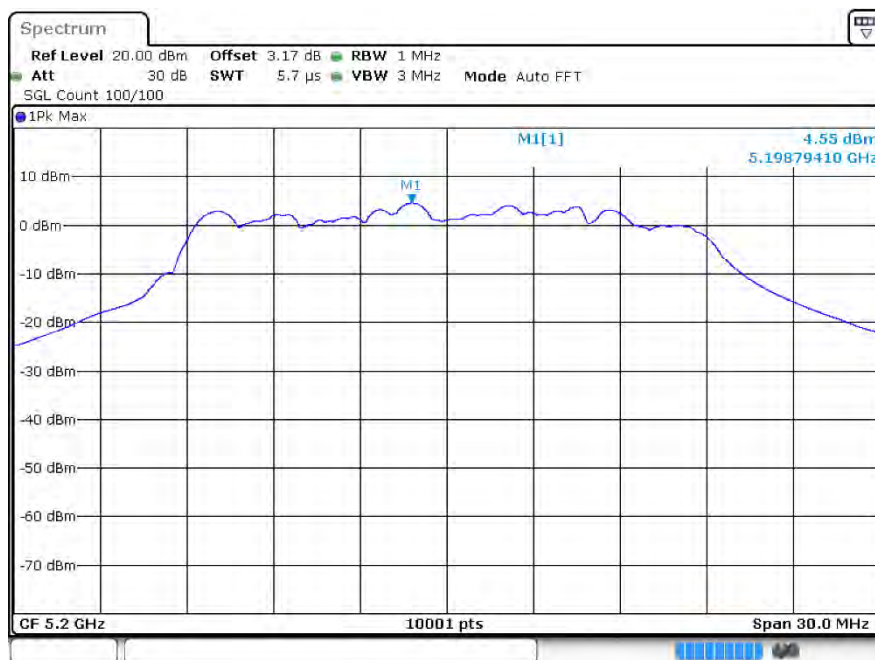




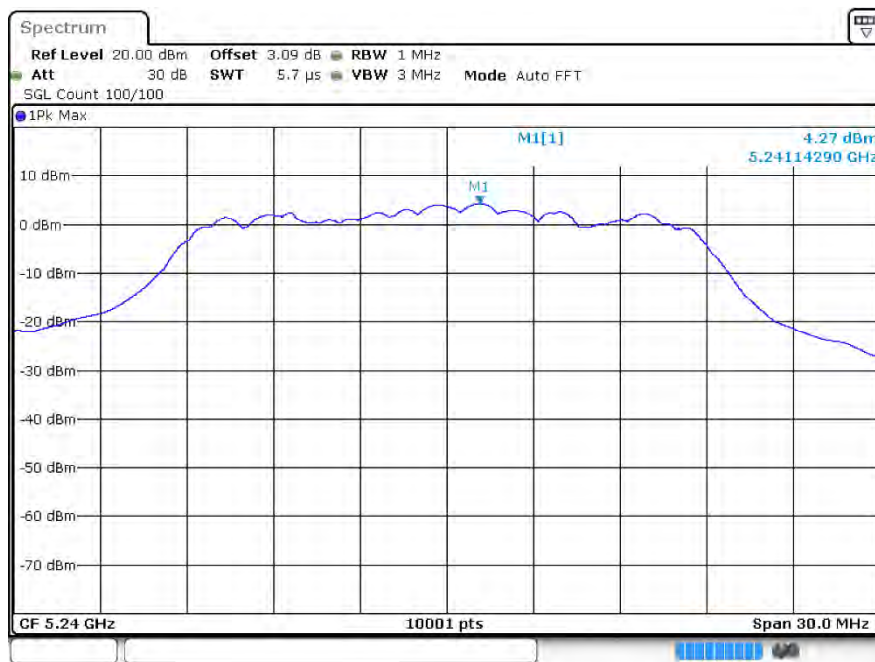
PSD ac20 5180MHz Ant1



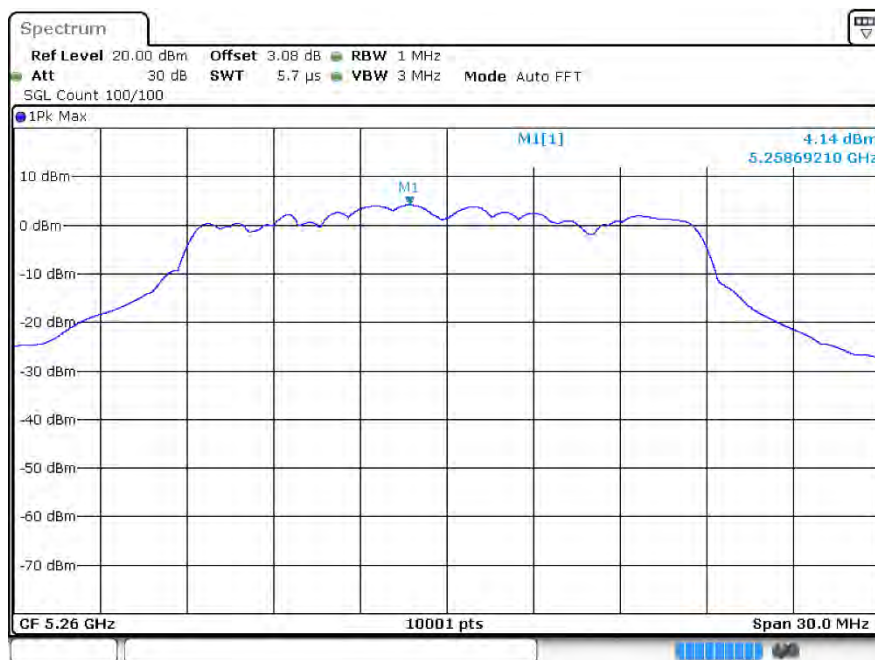
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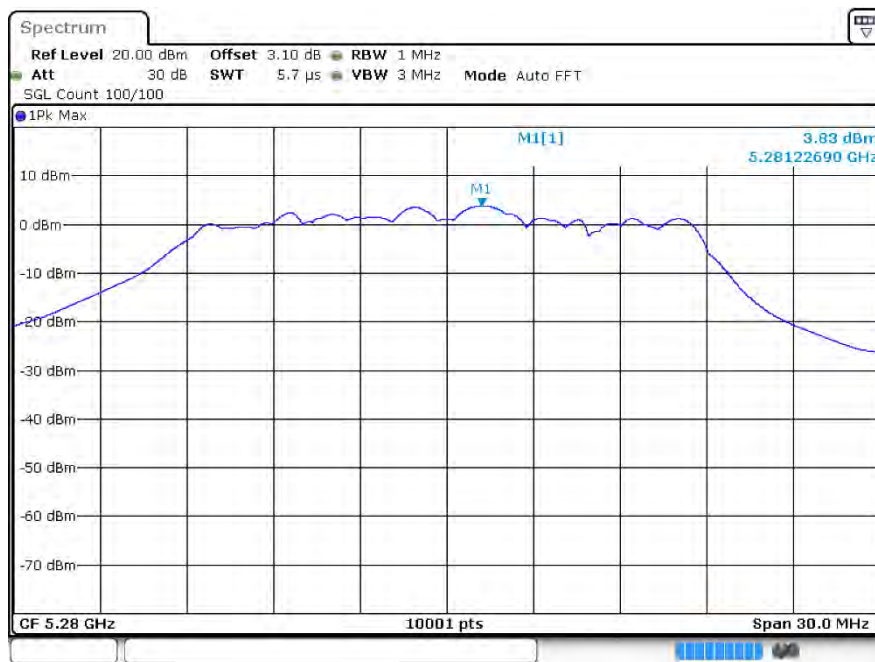
PSD ac20 5240MHz Ant1



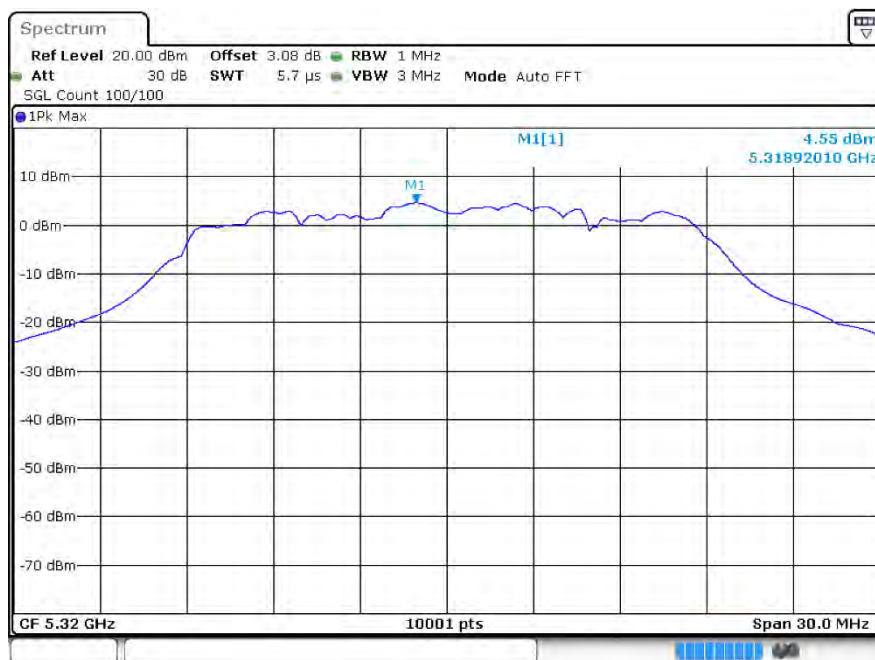
PSD ac20 5260MHz Ant1



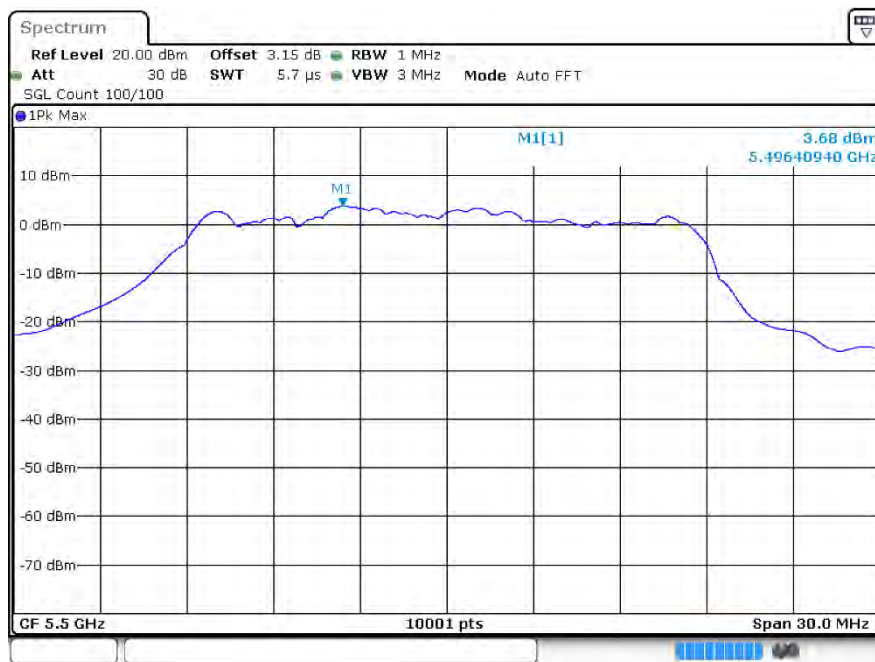
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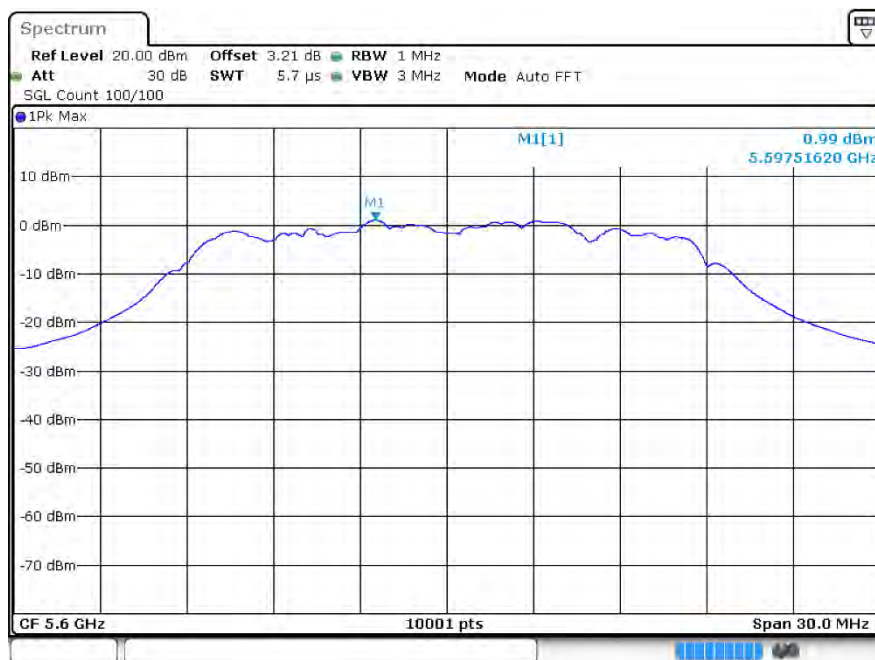
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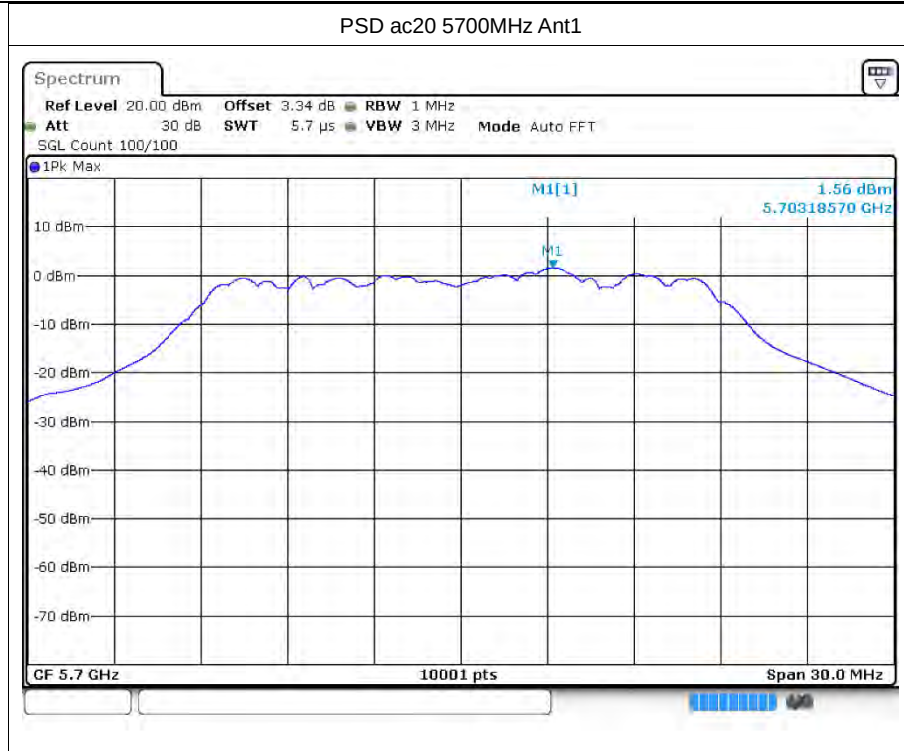


PSD ac20 5500MHz Ant1

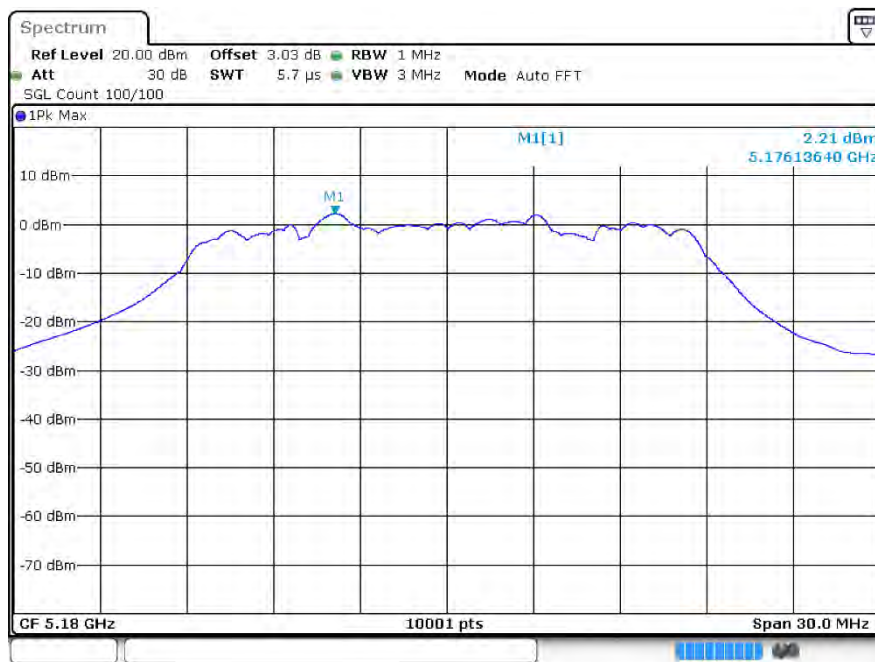


PSD ac20 5600MHz Ant1

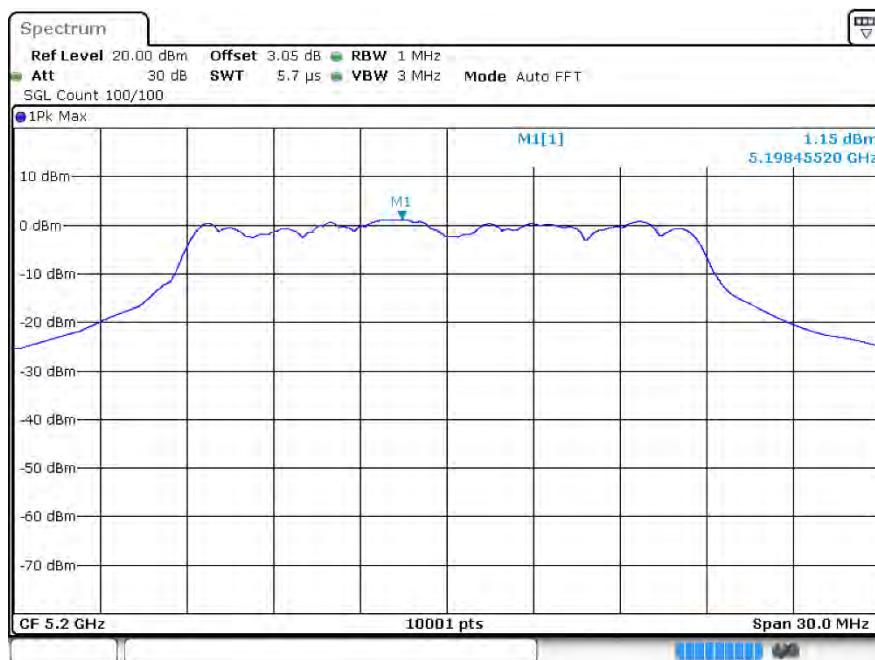




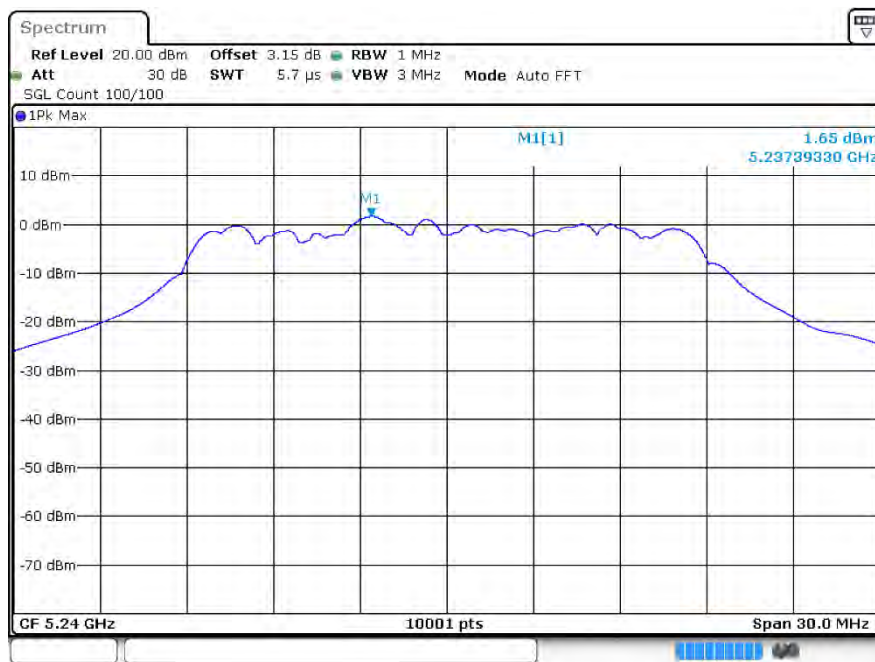
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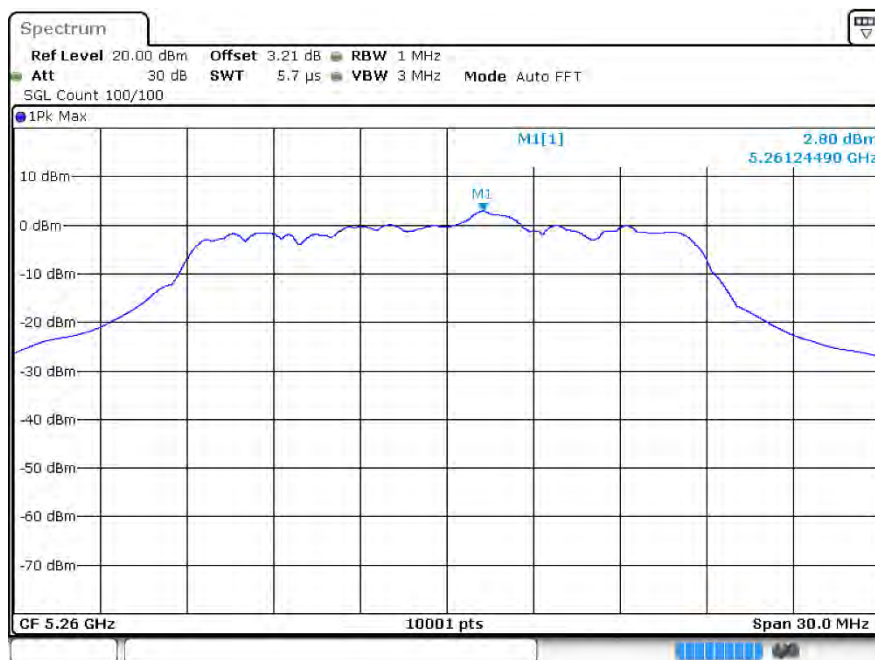
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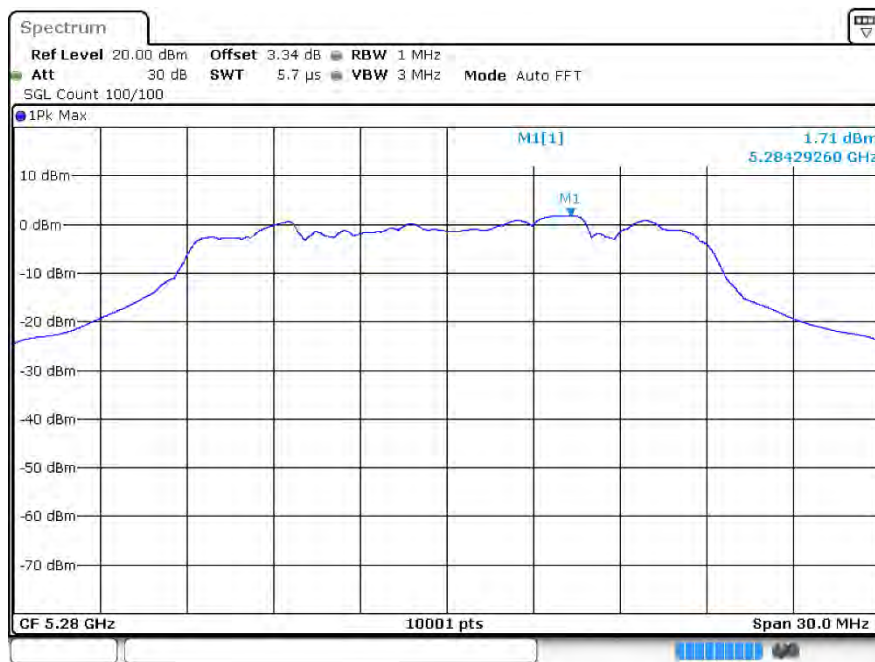
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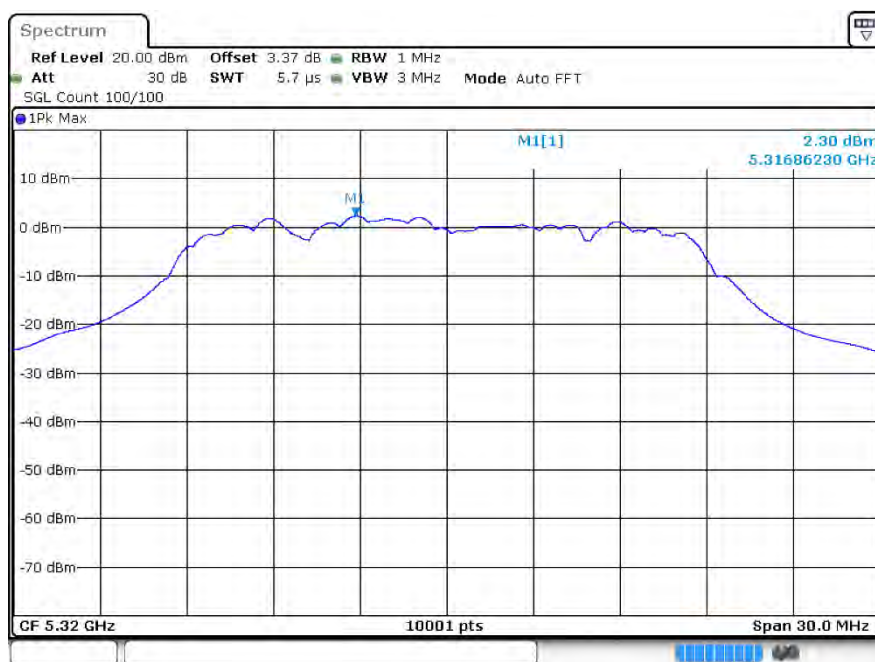
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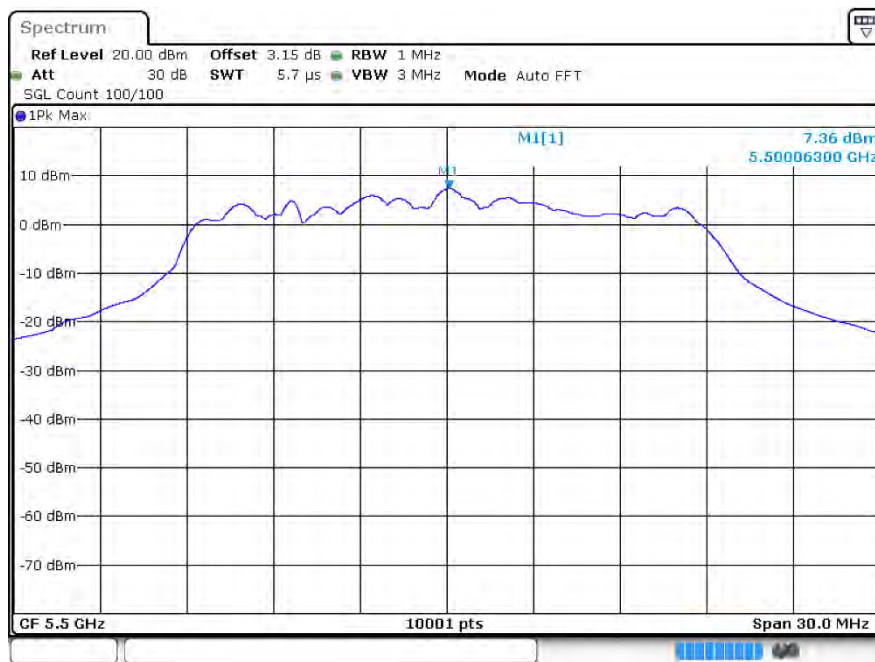
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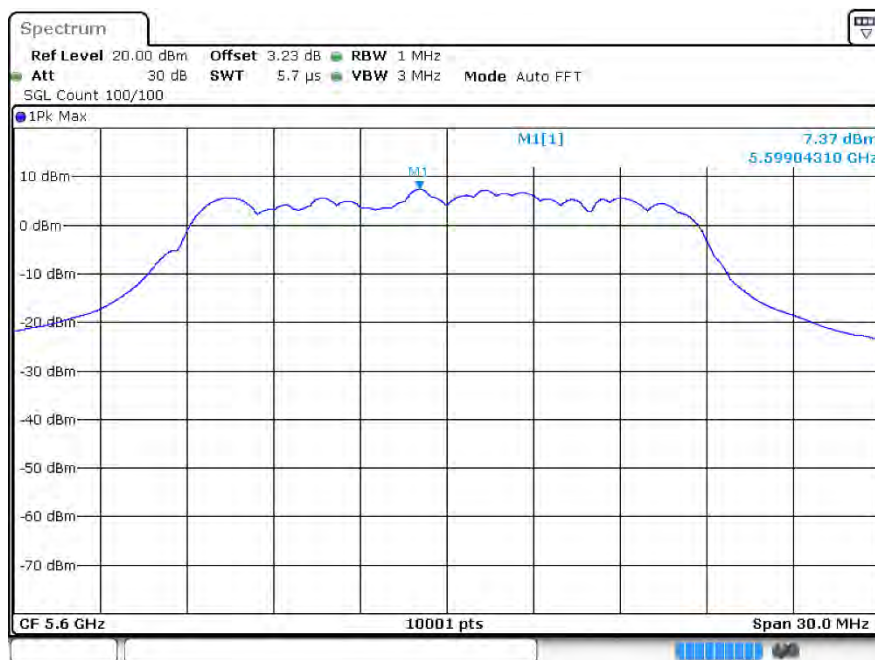
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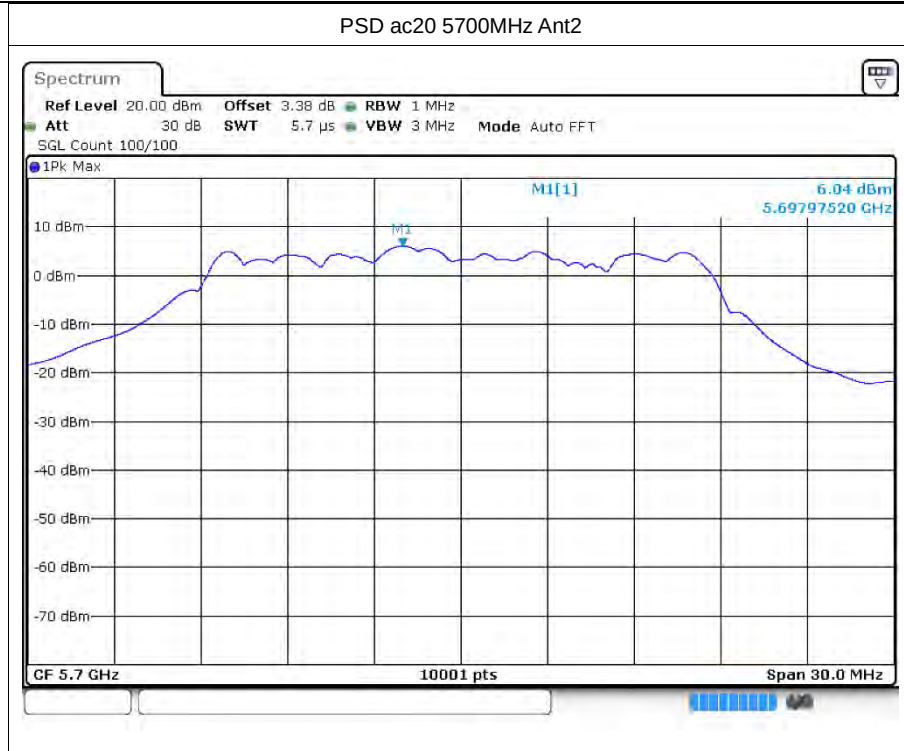


PSD ac20 5500MHz Ant2

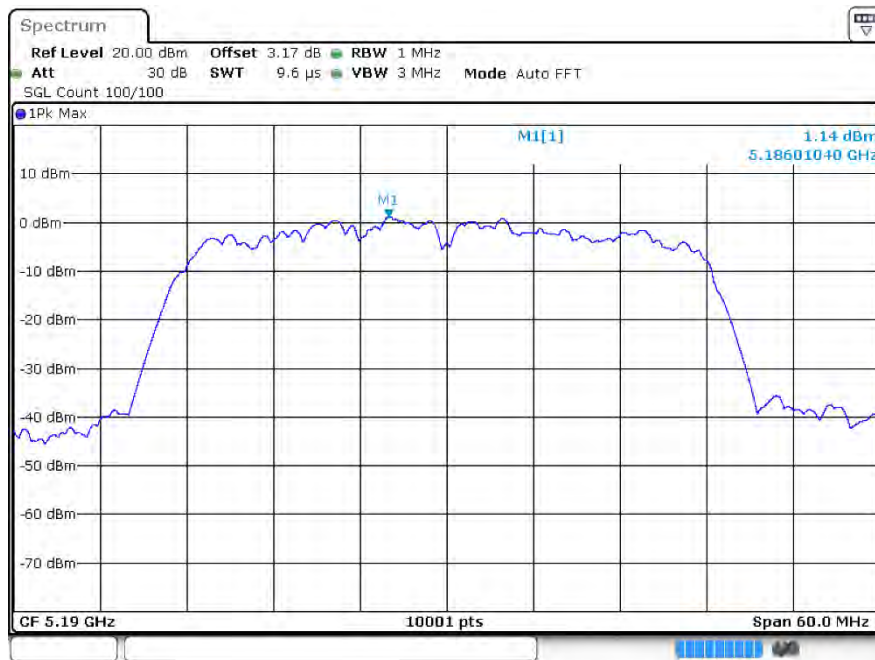


PSD ac20 5600MHz Ant2

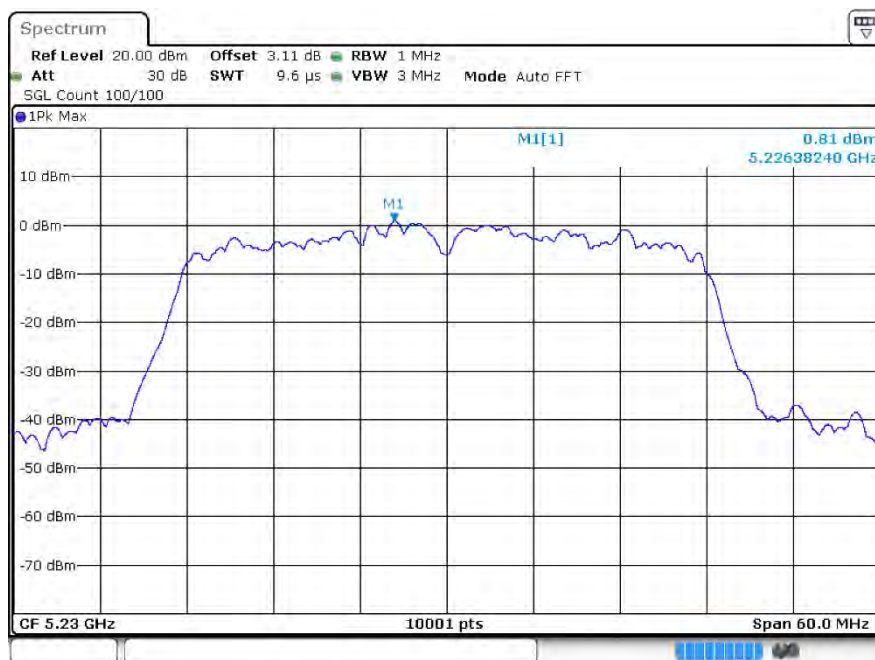




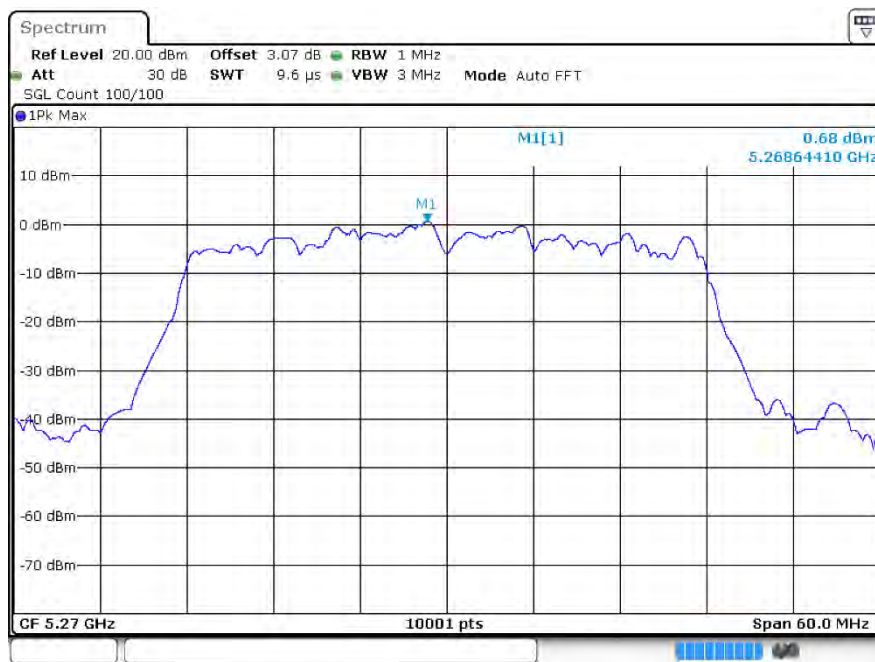
PSDac40 5190MHz Ant1



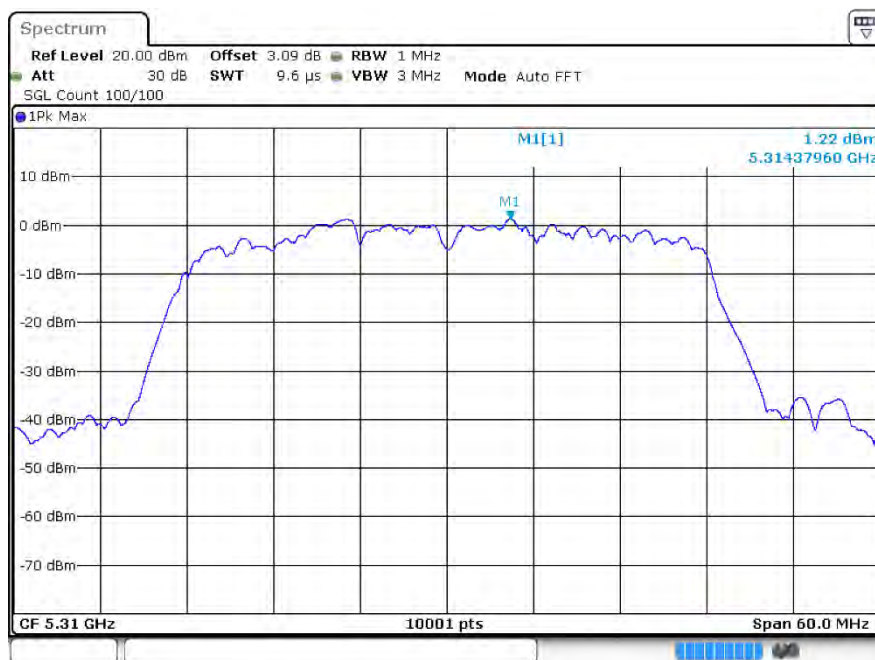
PSDac40 5230MHz Ant1



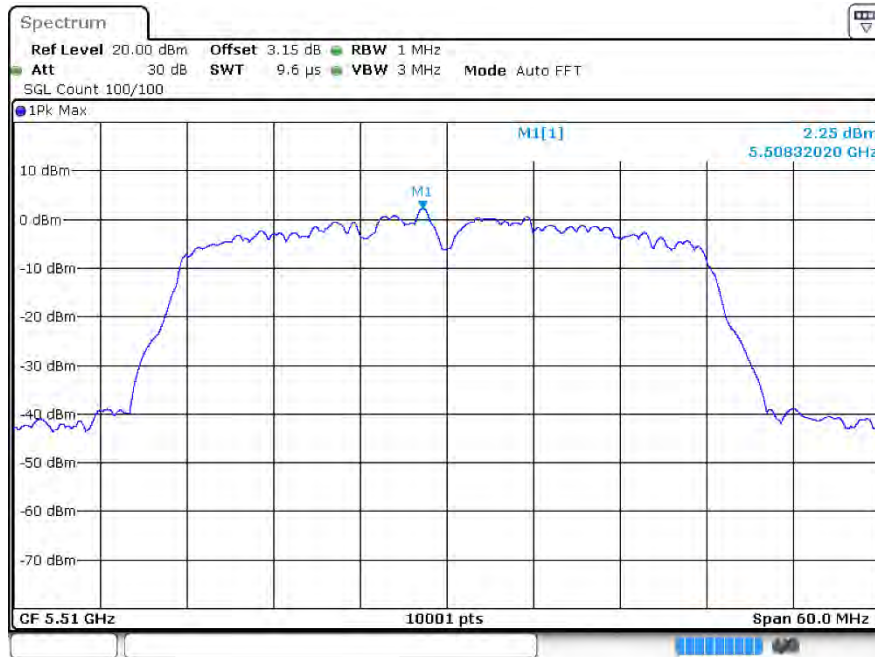
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PSD ac40 5310MHz Ant1



PSDac40 5510MHz Ant1



PSD ac40 5670MHz Ant1



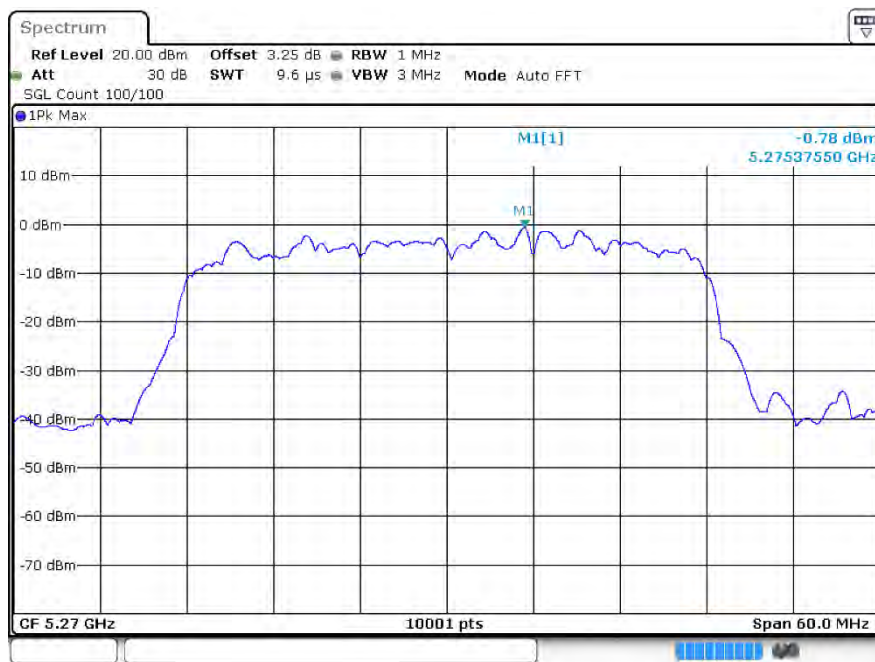
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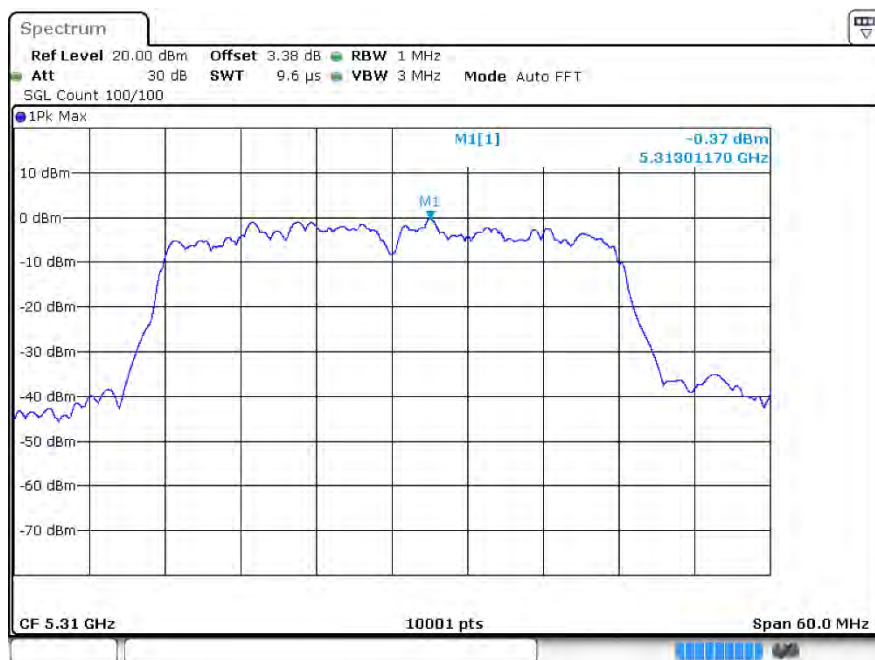
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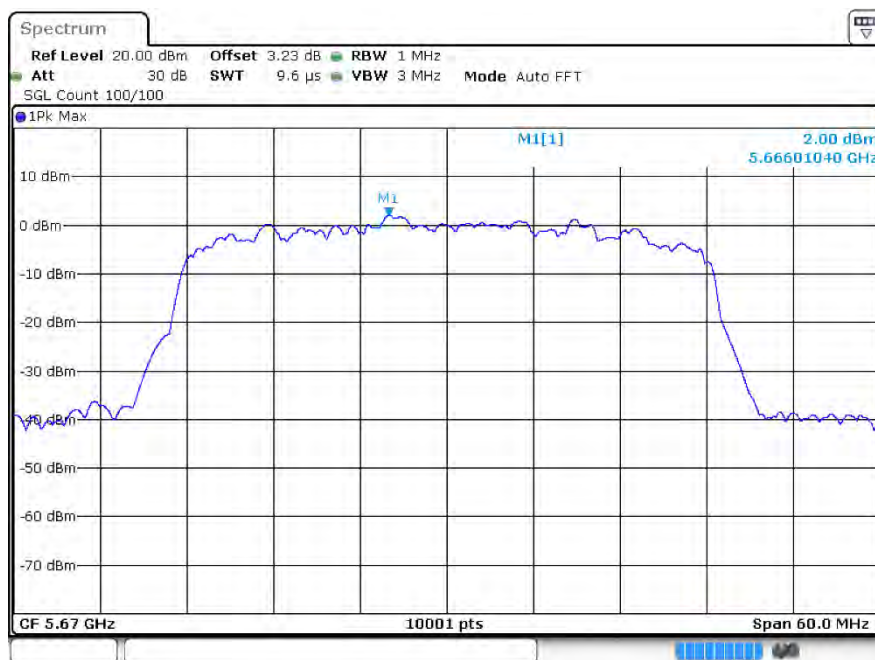
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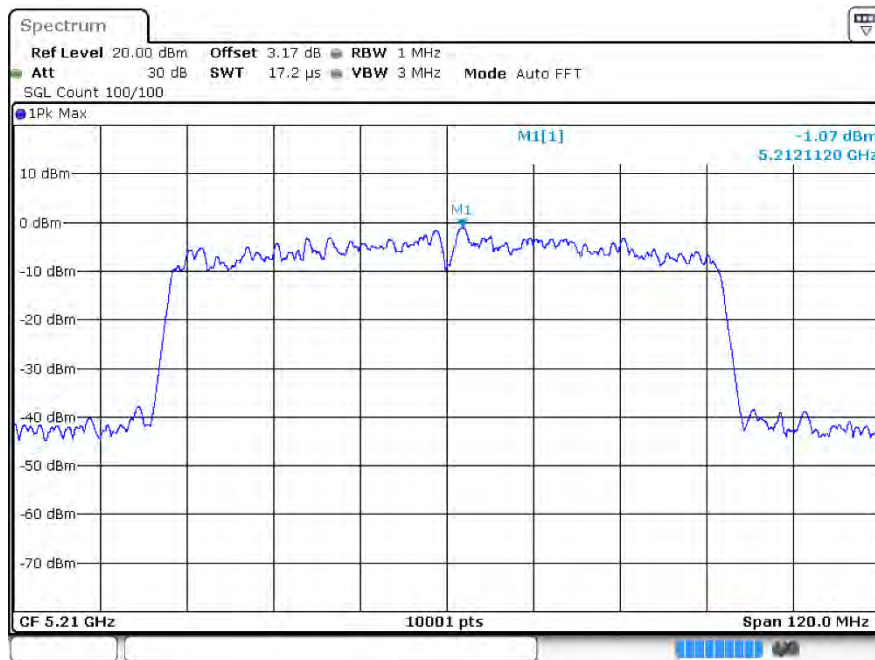
PSDac40 5510MHz Ant2



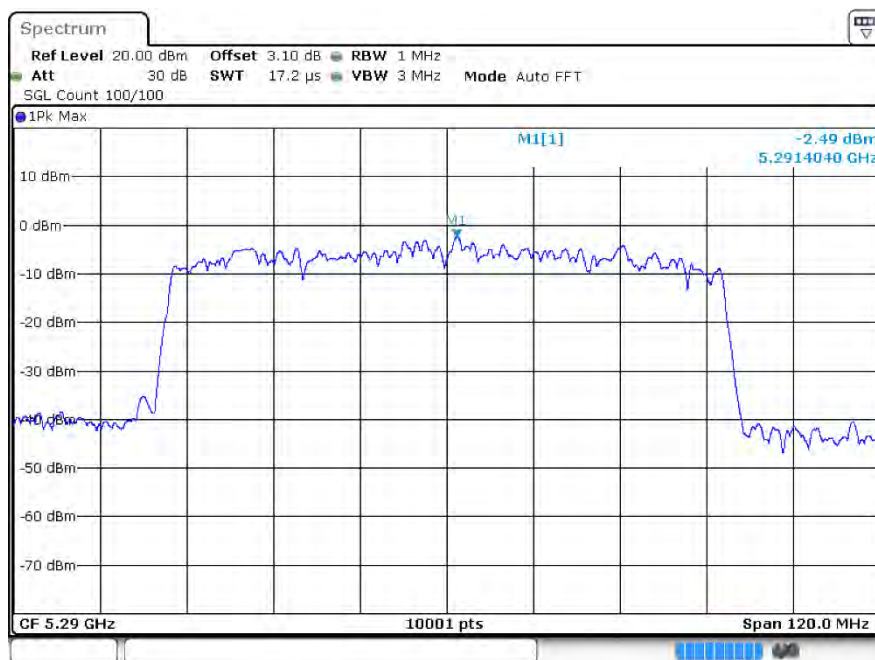
PSD ac40 5670MHz Ant2



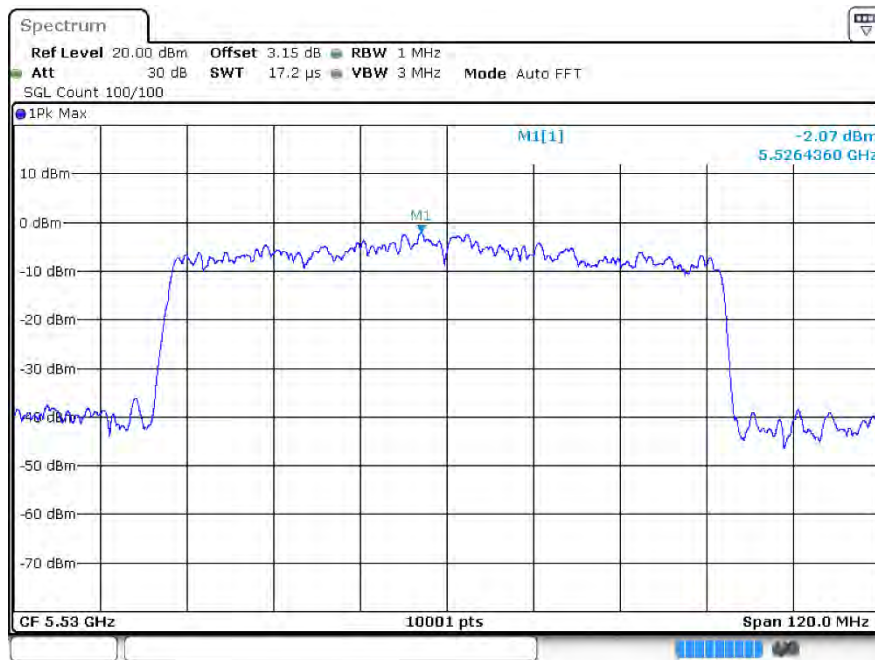
PSDac80 5210MHz Ant1



PSDac80 5290MHz Ant1



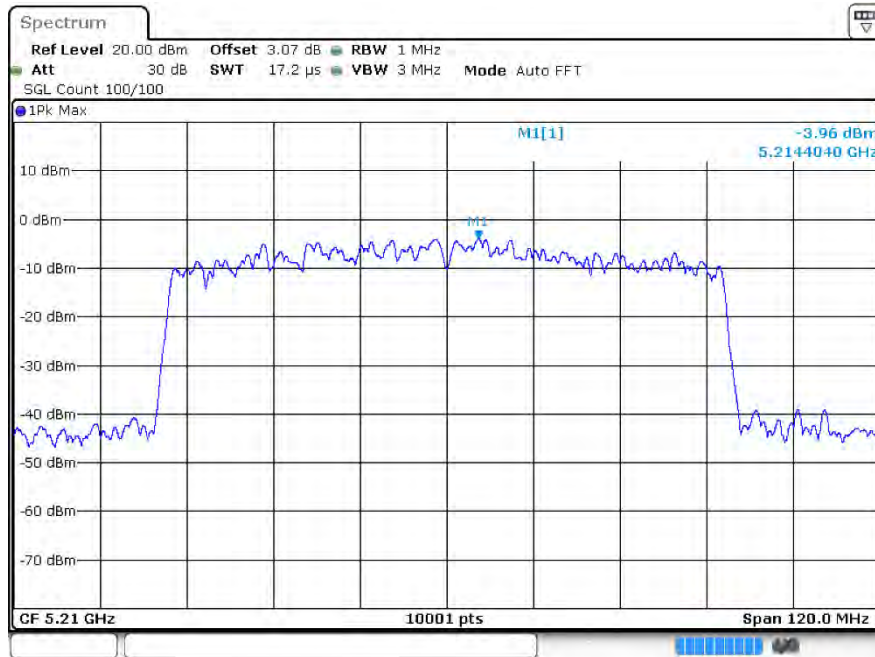
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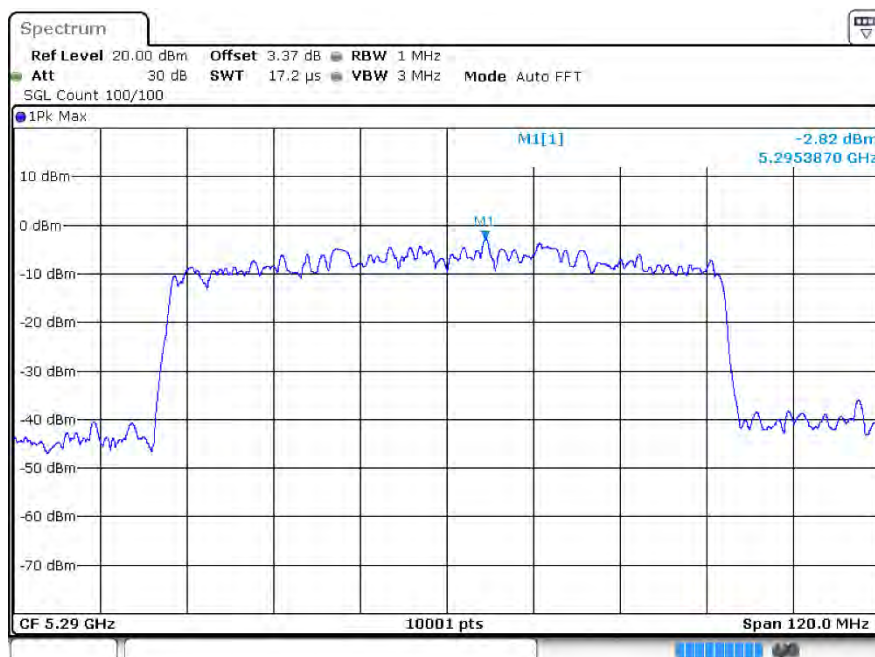
PSDac80 5610MHz Ant1



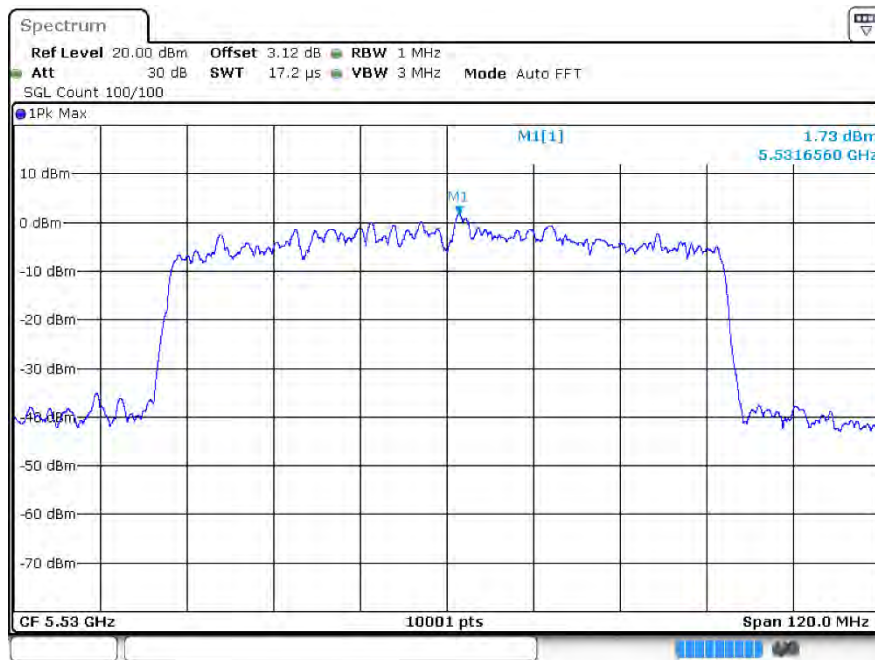
PSDac80 5210MHz Ant2



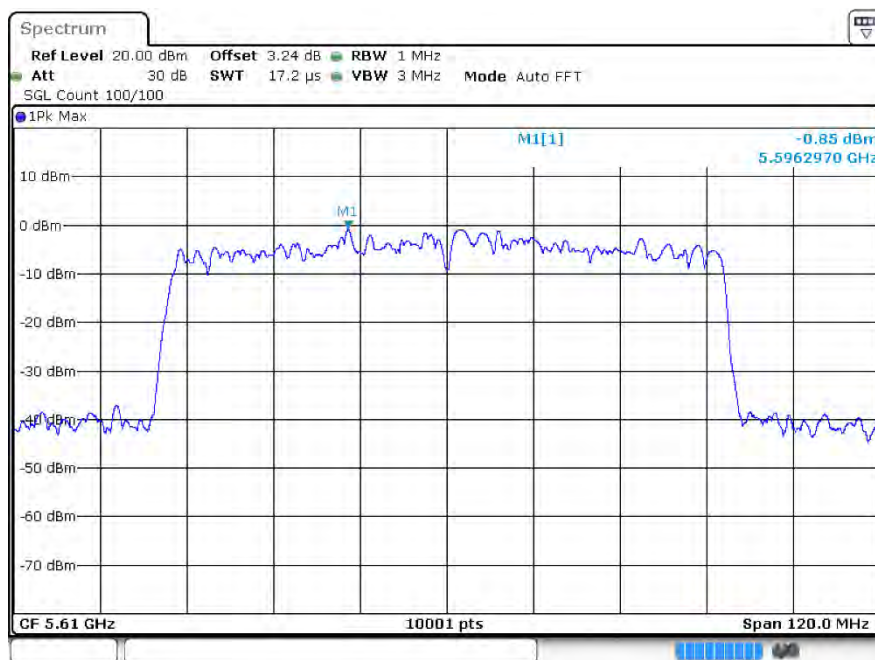
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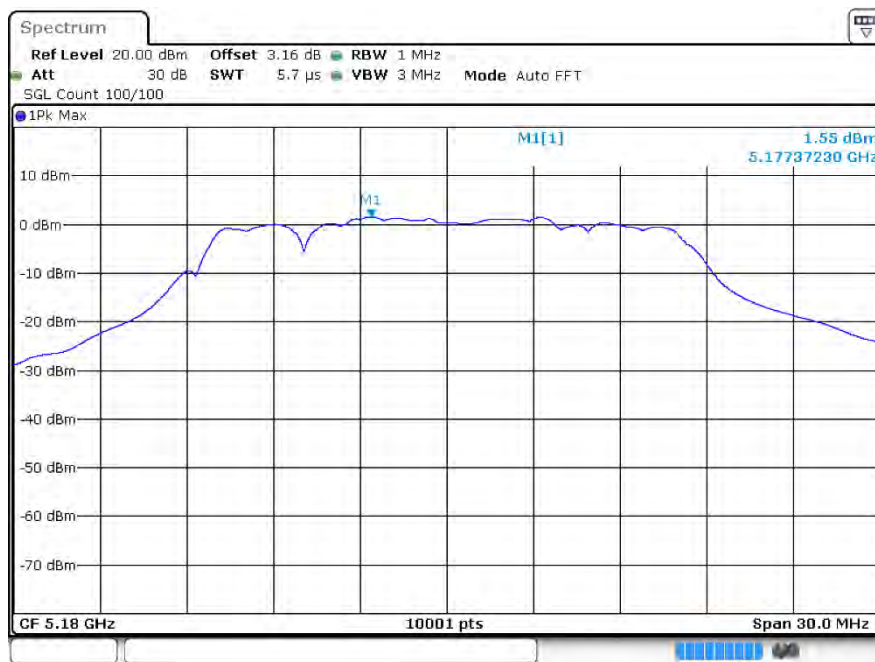
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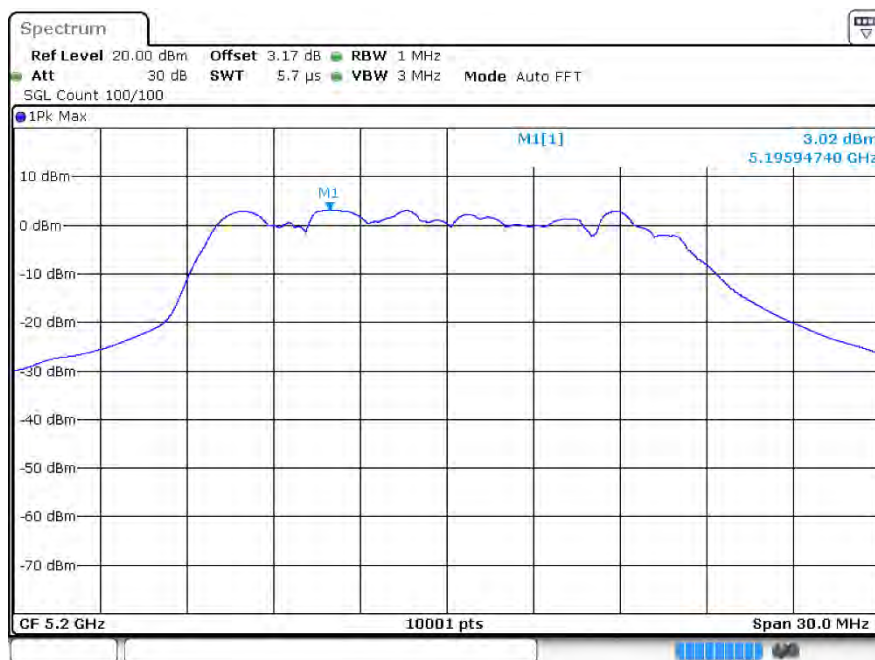
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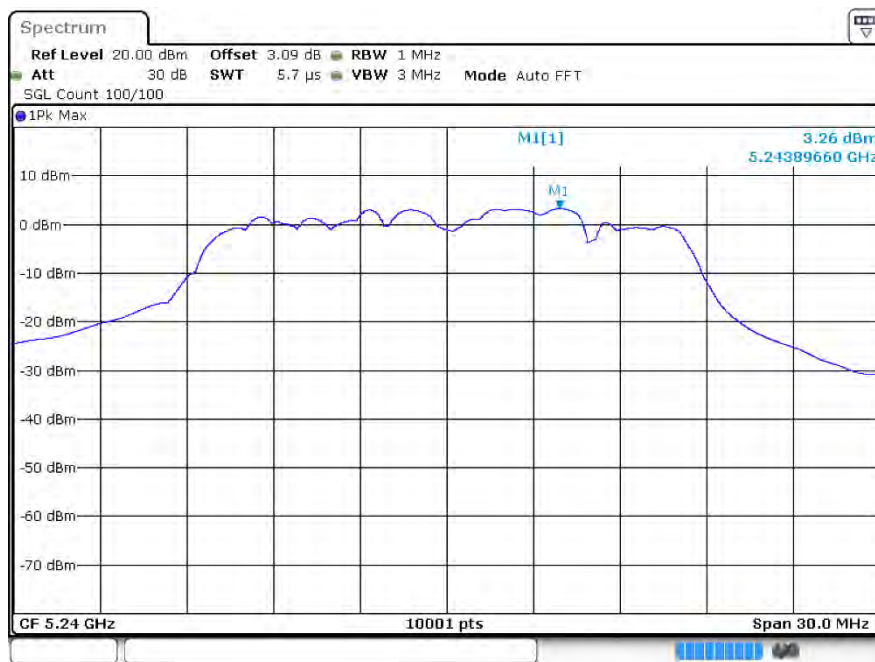
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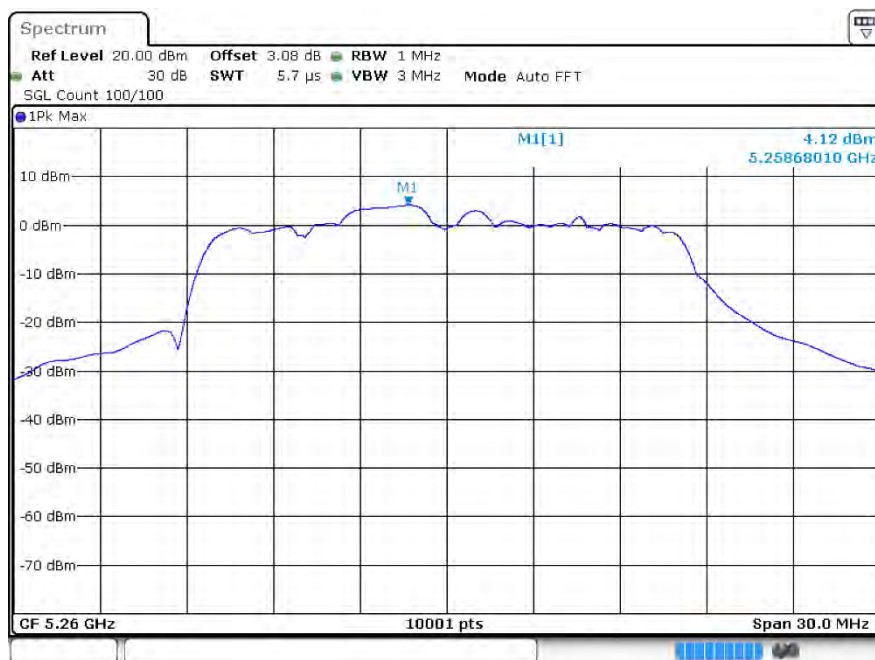
PSD ax20 5200MHz Ant1



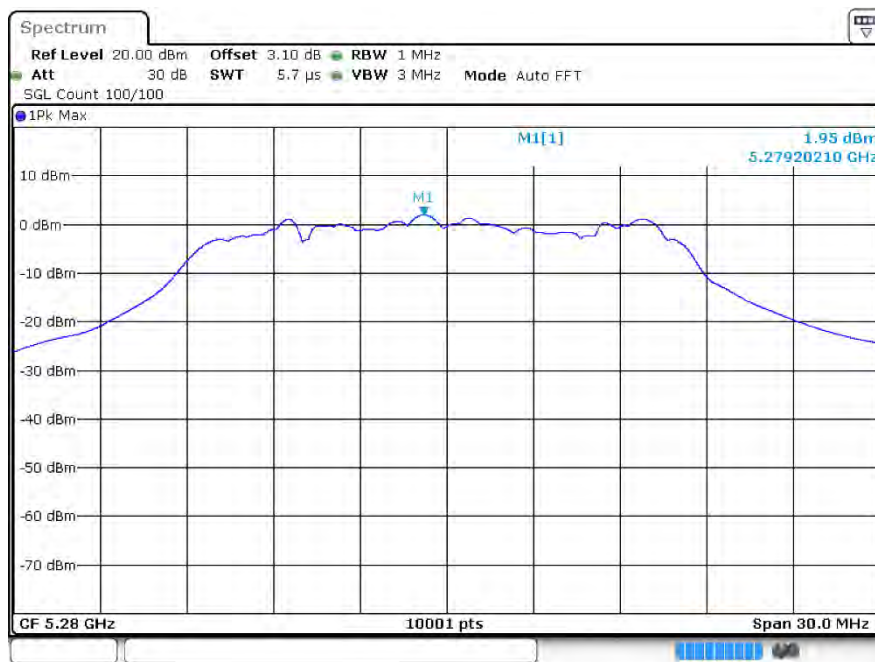
PSD ax20 5240MHz Ant1



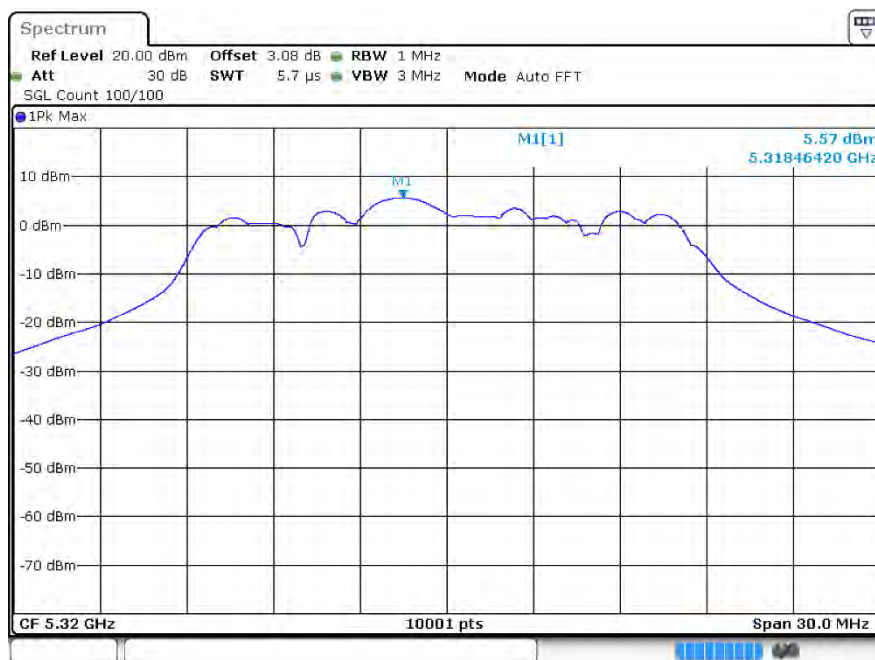
PSD ax20 5260MHz Ant1



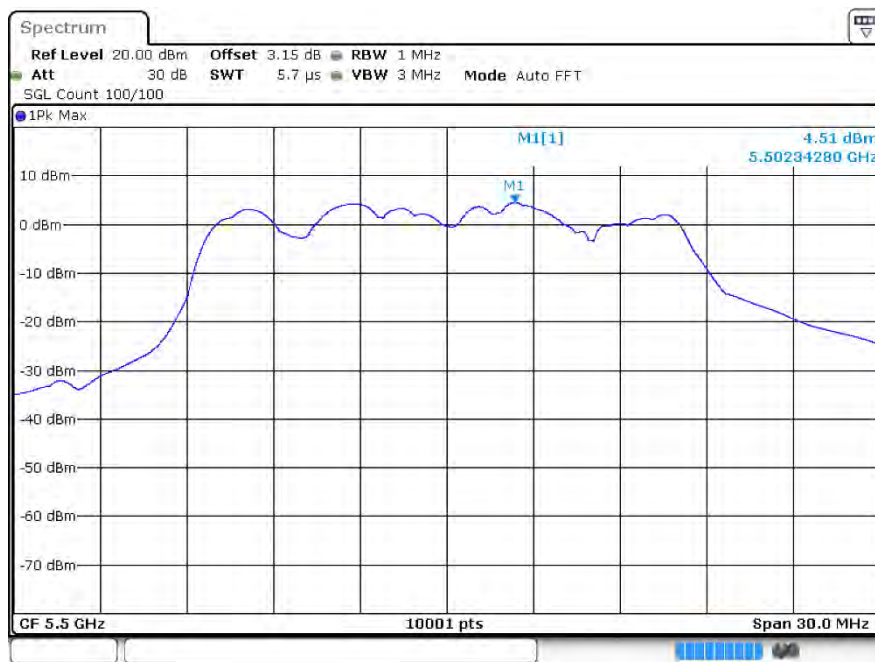
PSD ax20 5280MHz Ant1



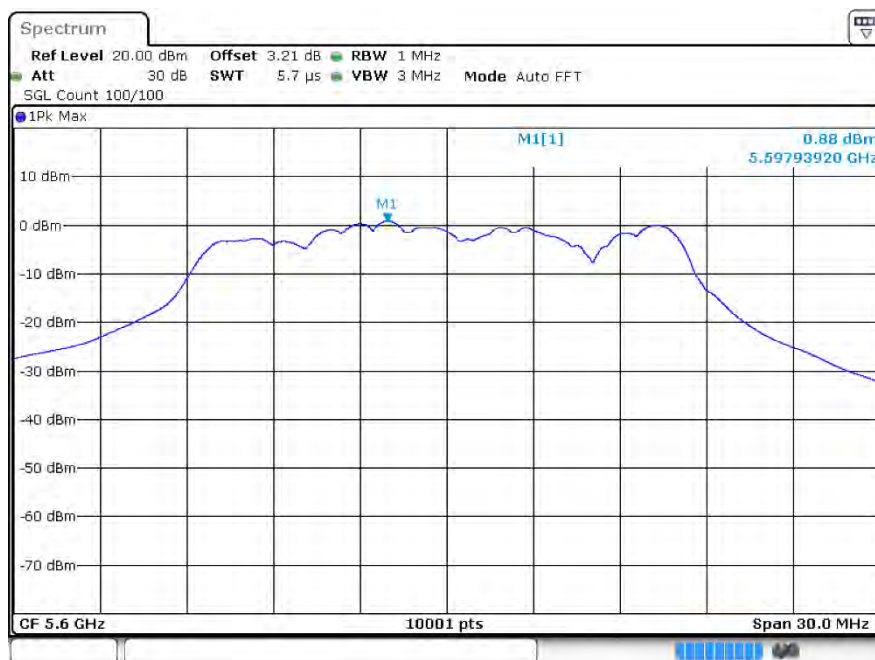
PSD ax20 5320MHz Ant1

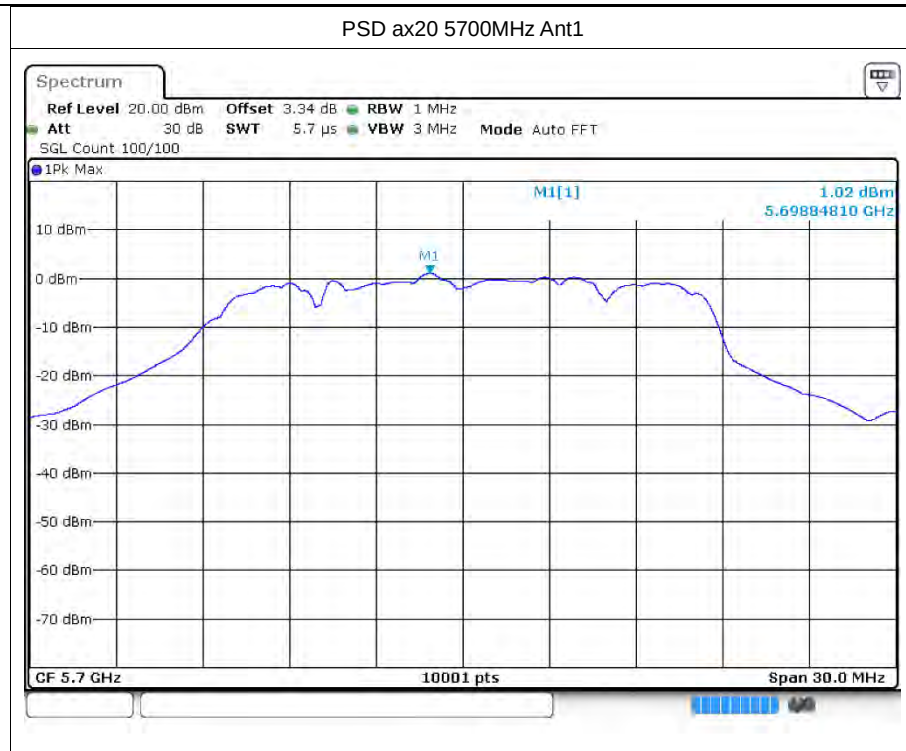


PSD ax20 5500MHz Ant1

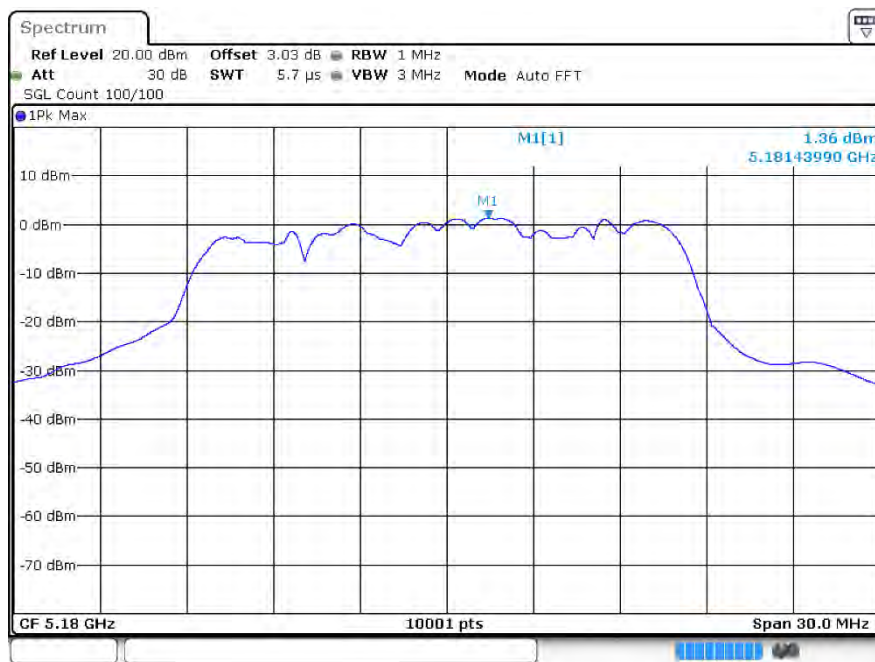


PSD ax20 5600MHz Ant1





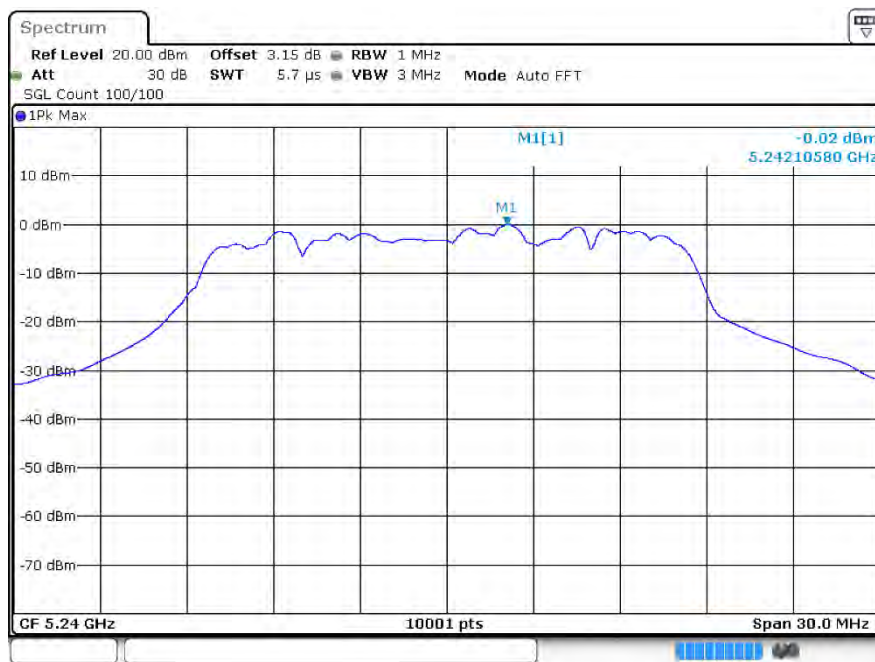
PSD ax20 5180MHz Ant2



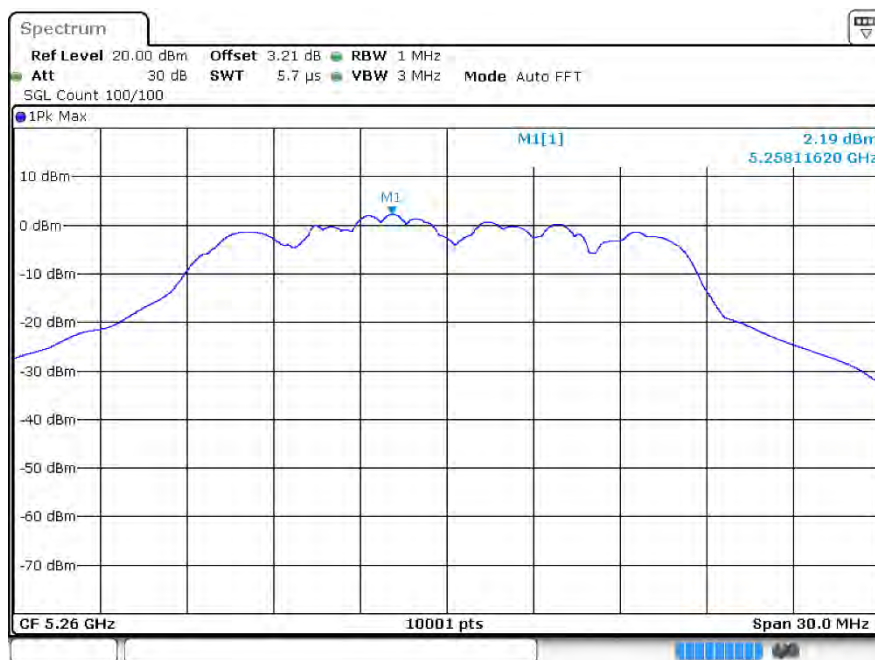
PSD ax20 5200MHz Ant2



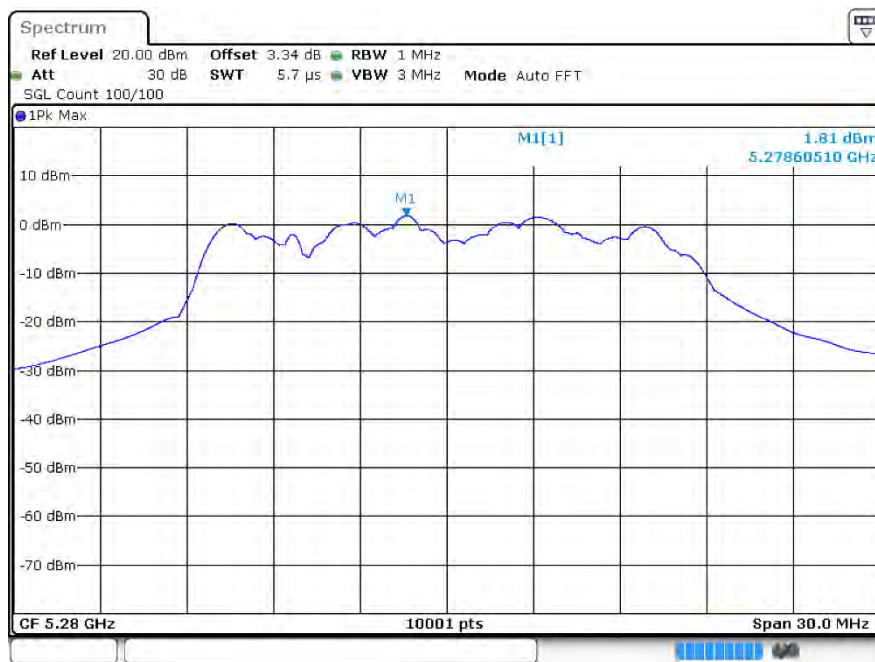
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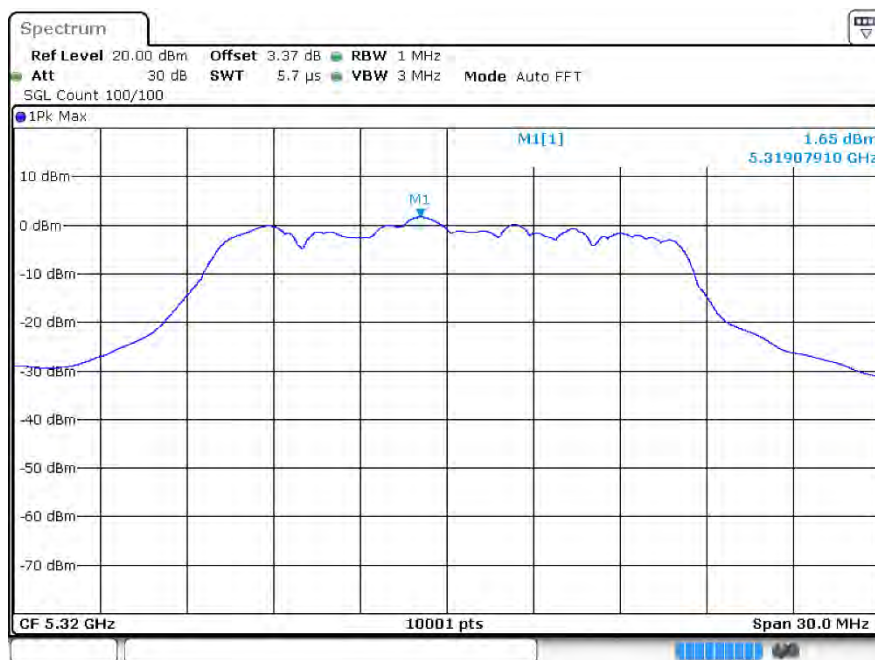
PSD ax20 5260MHz Ant2



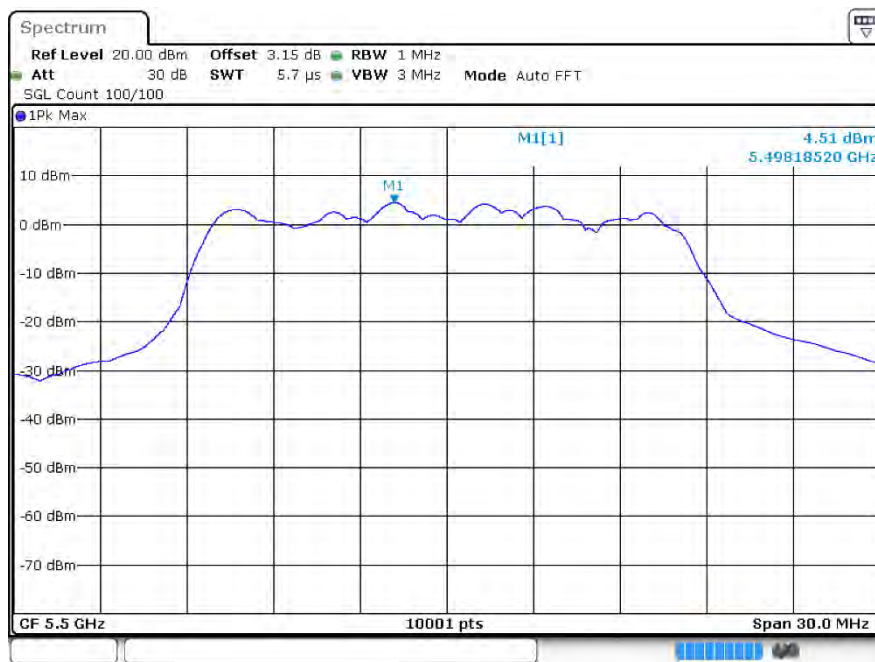
PSD ax20 5280MHz Ant2



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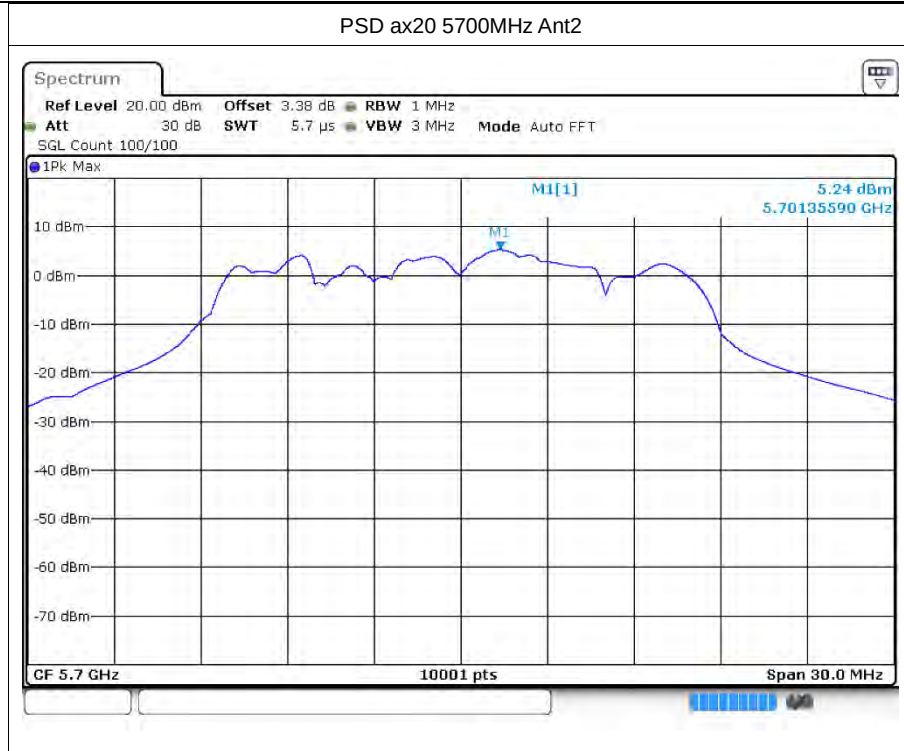


PSD ax20 5500MHz Ant2

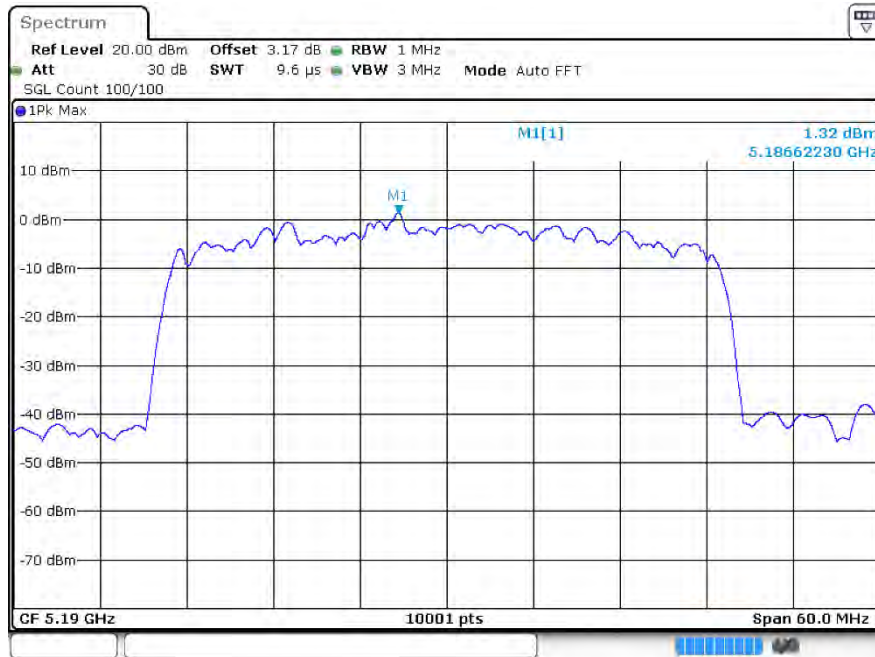


PSD ax20 5600MHz Ant2

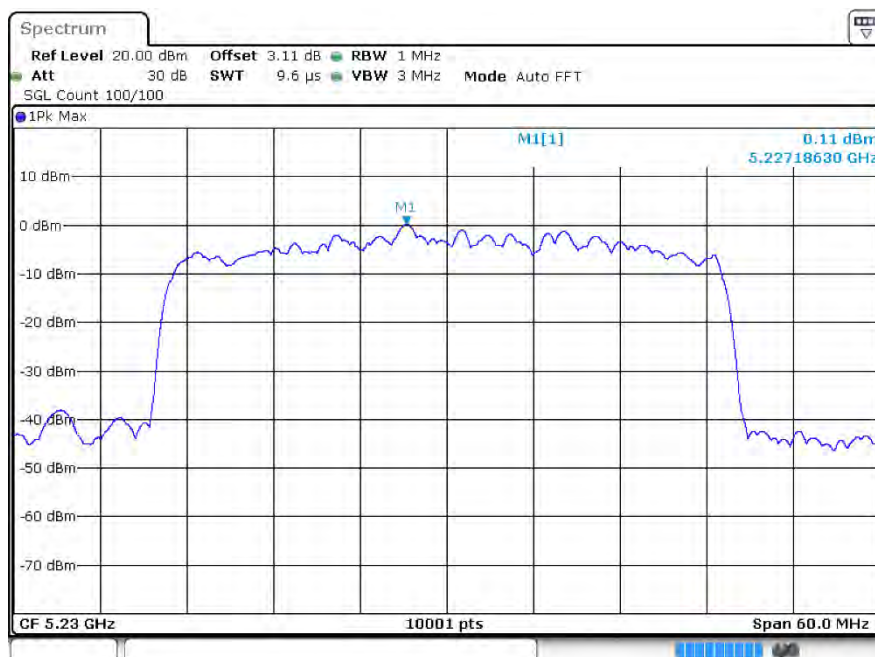




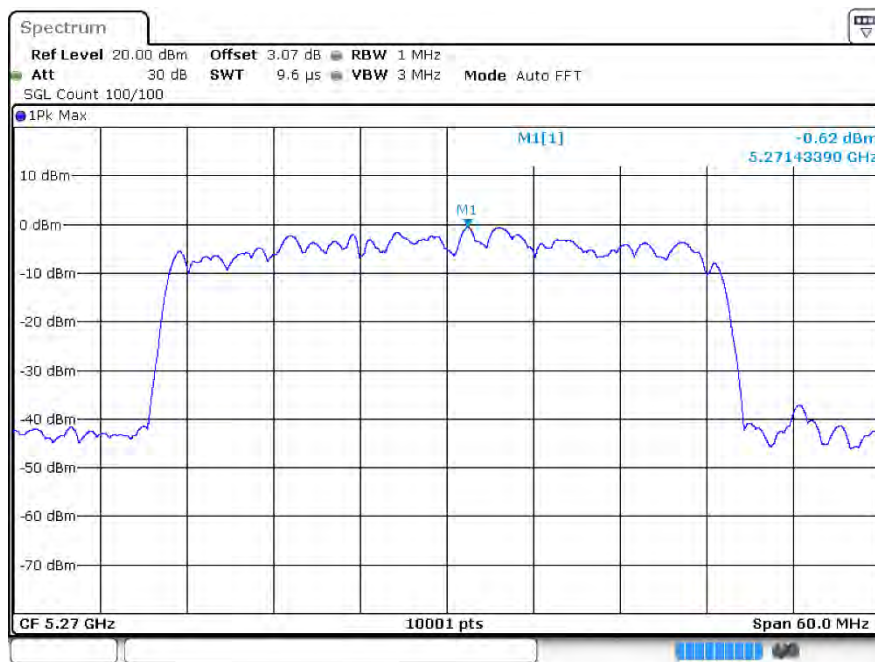
PSDax40 5190MHz Ant1



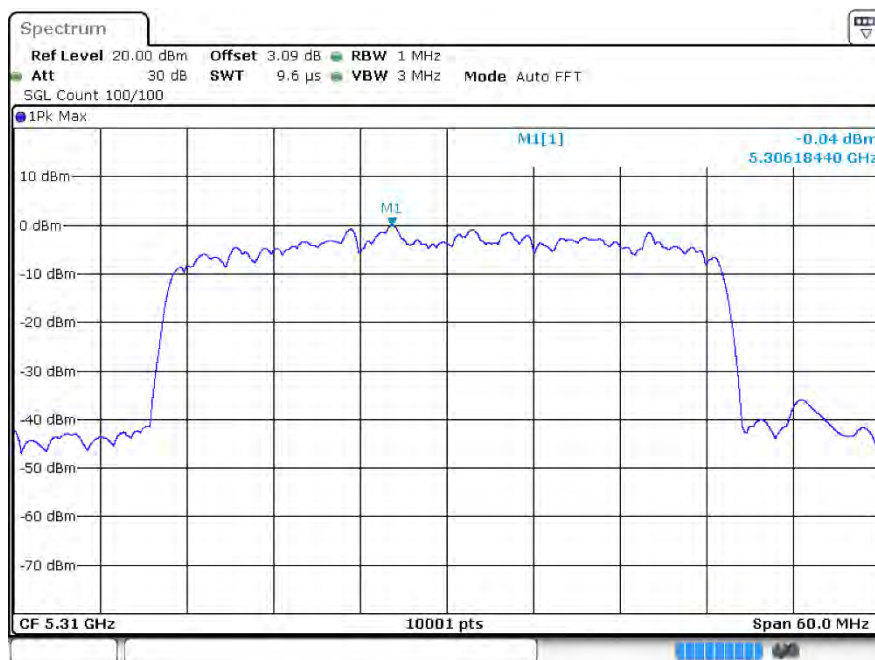
PSDax40 5230MHz Ant1



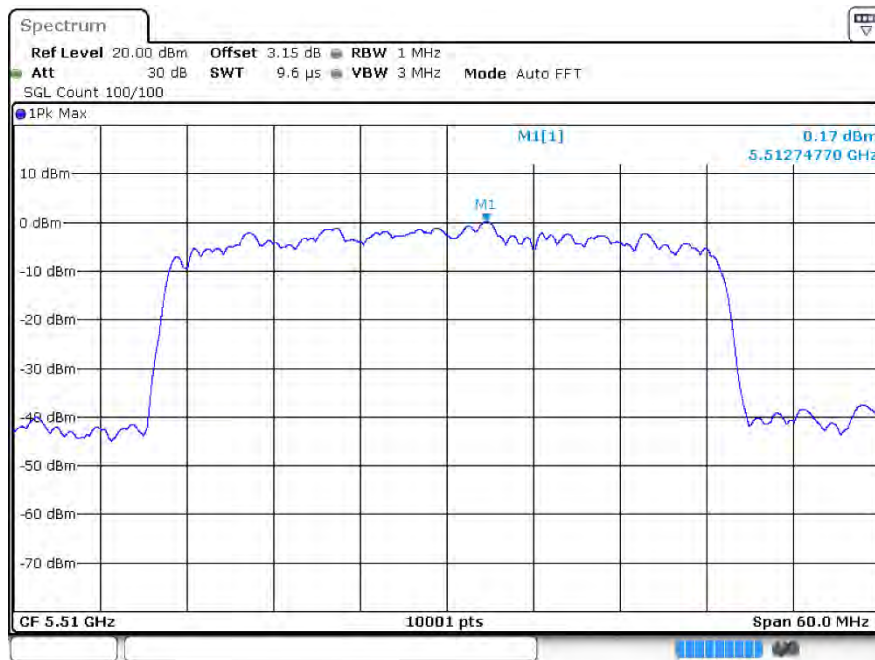
PSD ax40 5270MHz Ant1



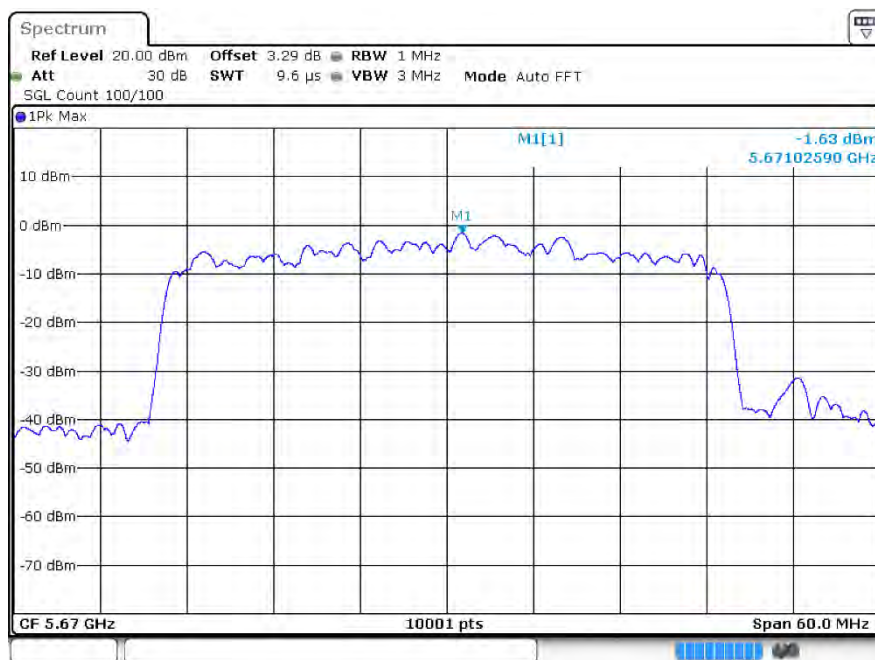
PSD ax40 5310MHz Ant1



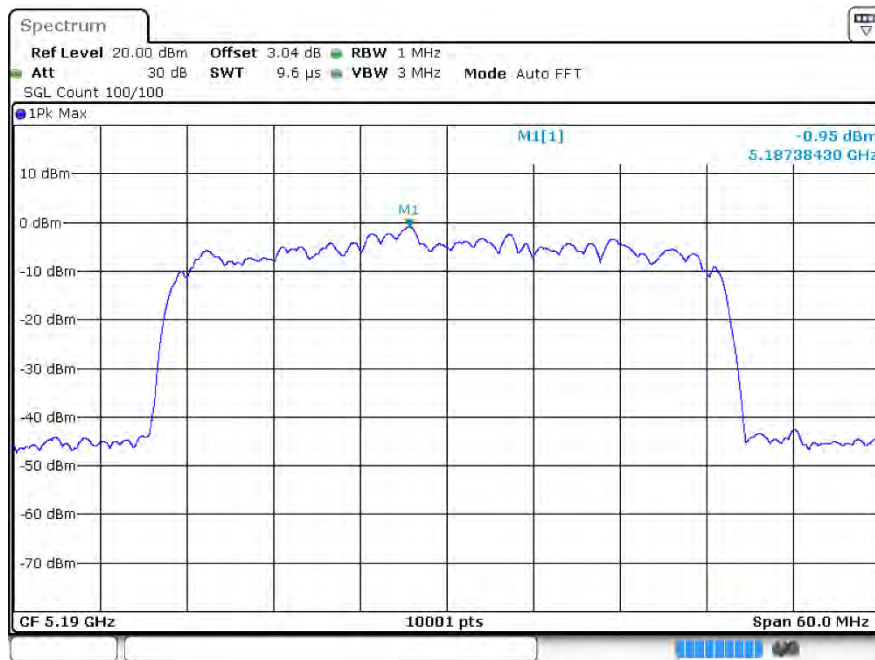
PSDax40 5510MHz Ant1



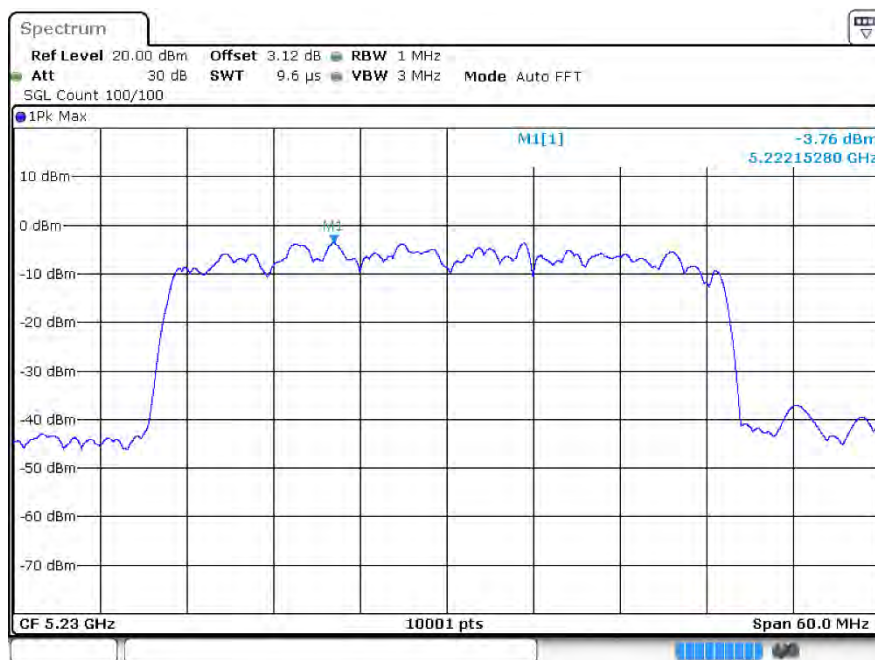
PSD ax40 5670MHz Ant1



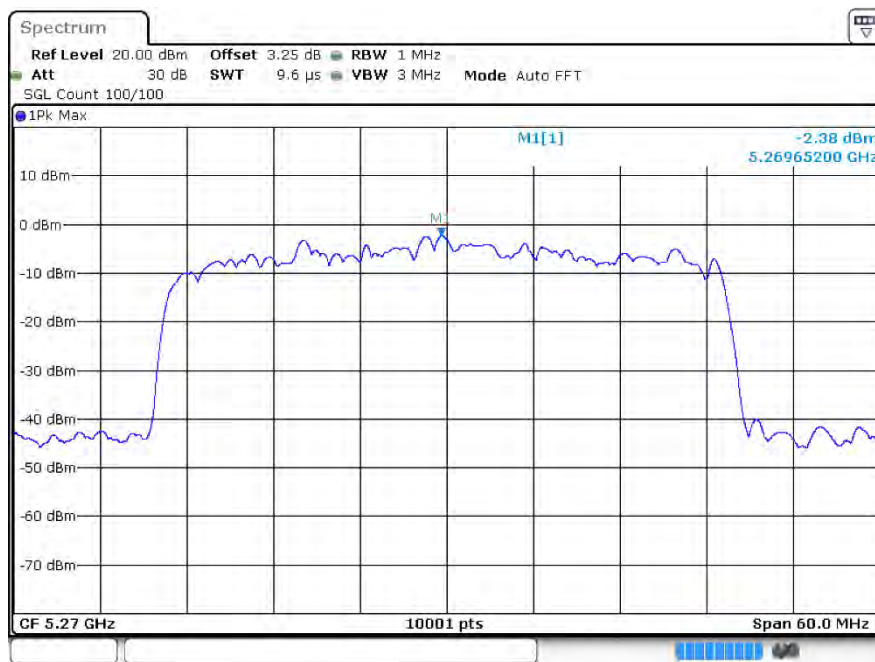
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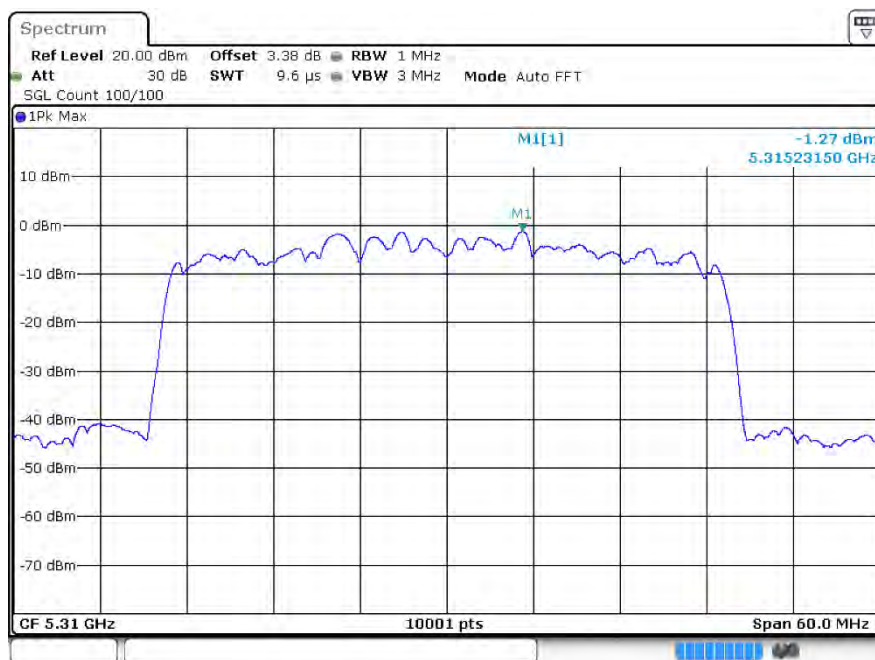
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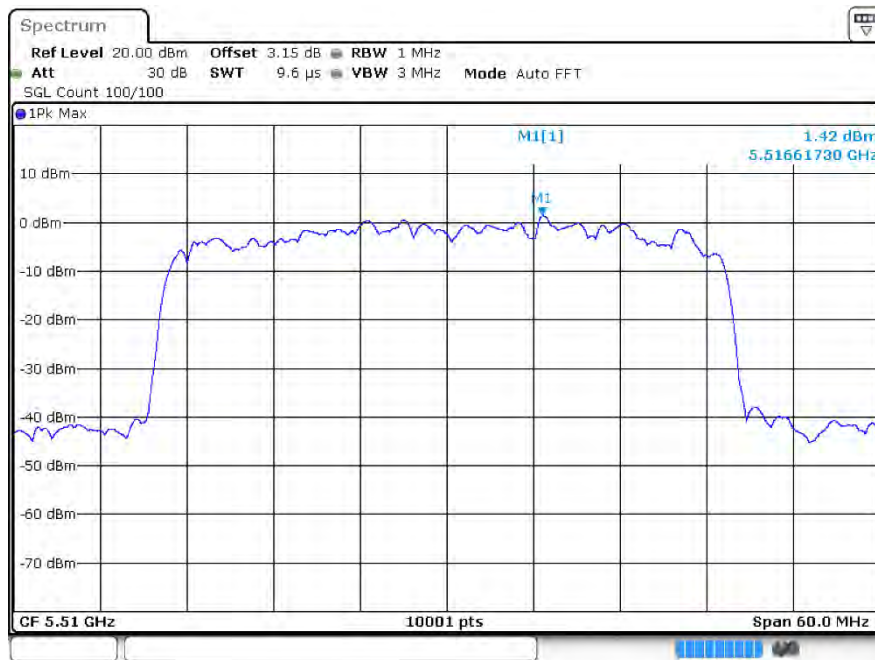
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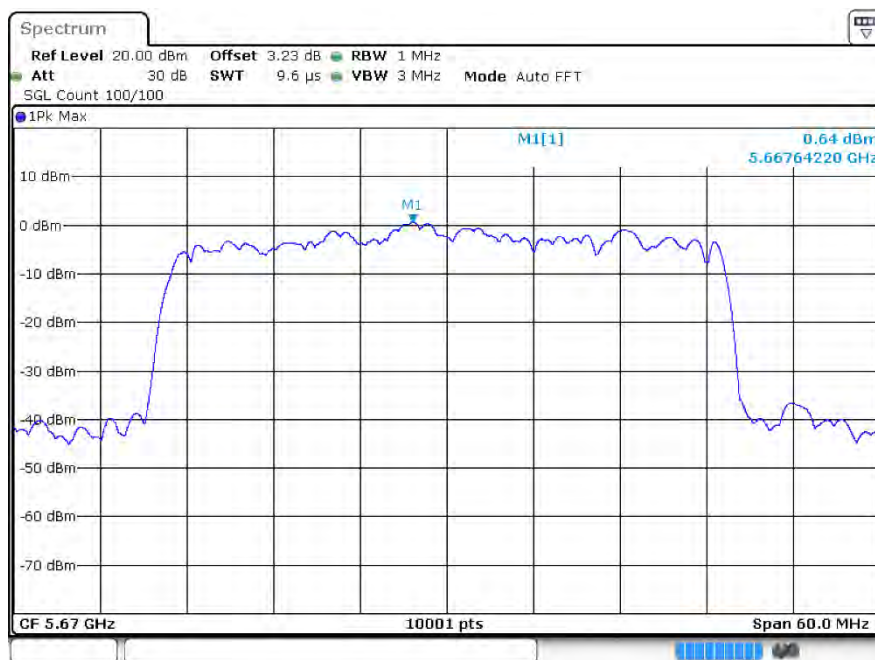
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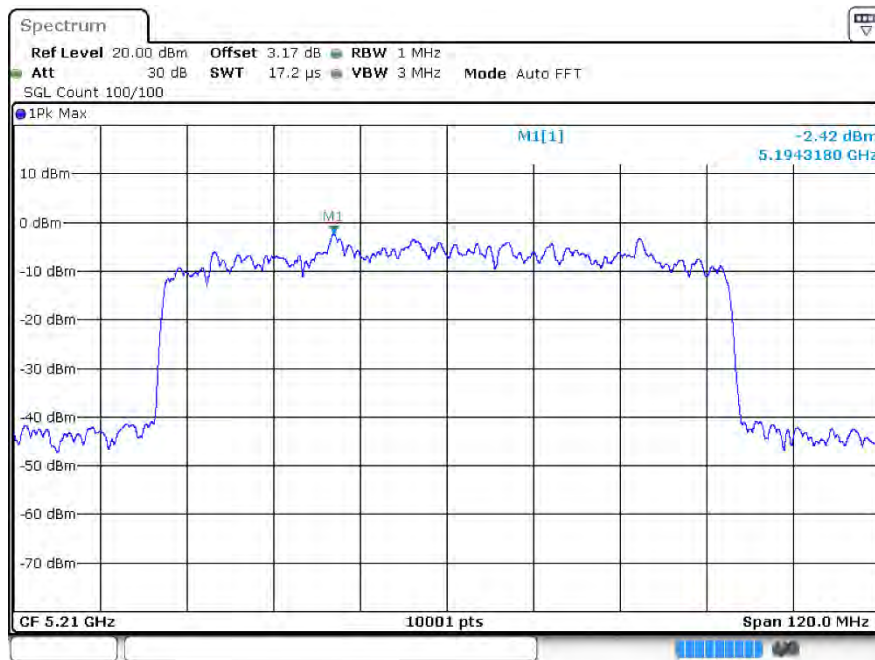
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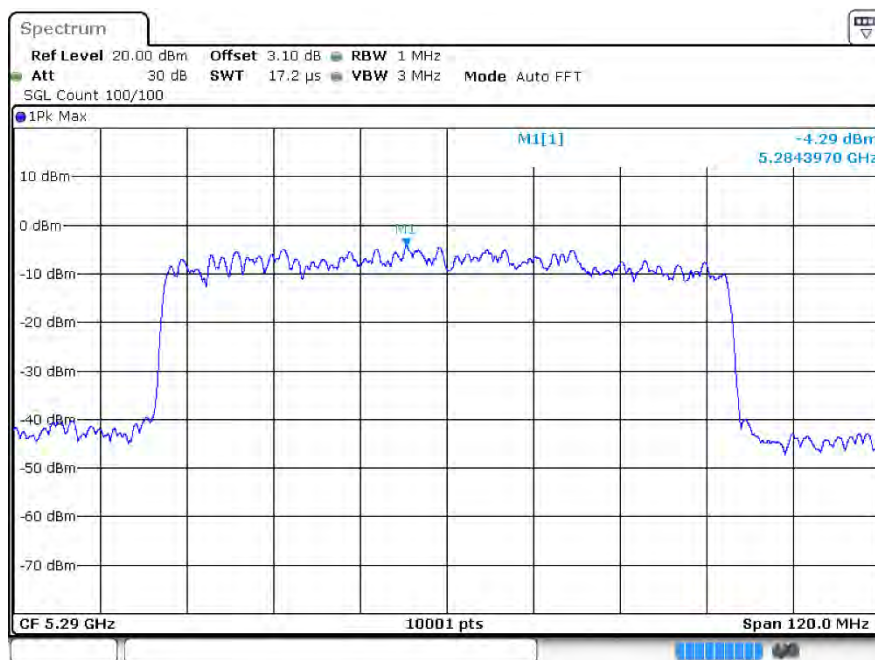
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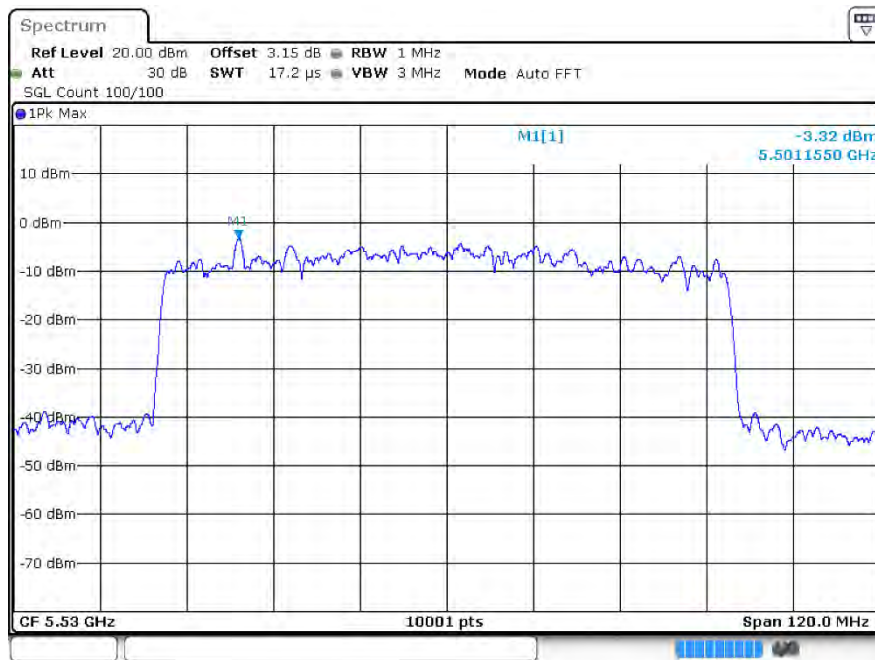
PSDax80 5210MHz Ant1



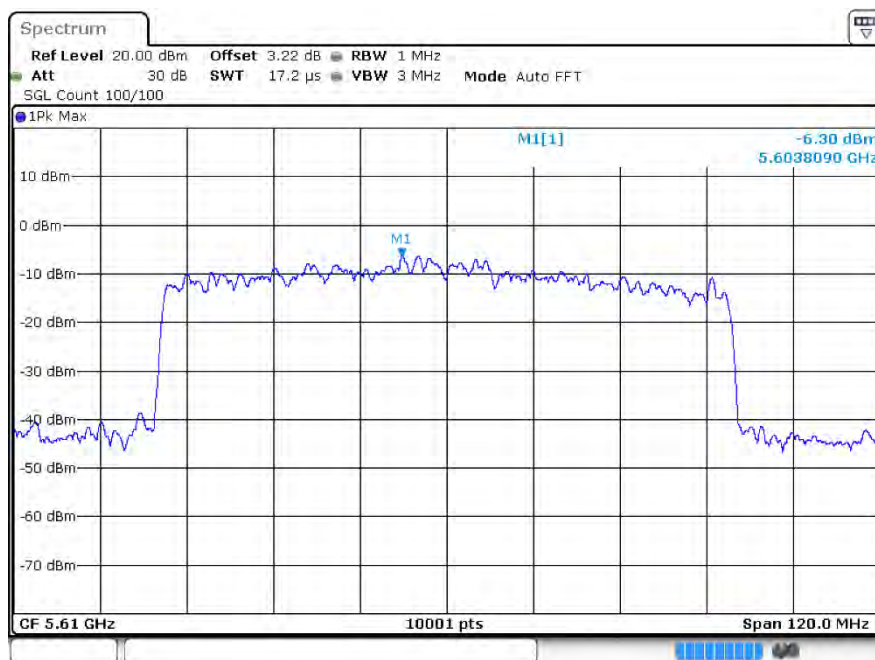
PSDax80 5290MHz Ant1



PSD ax80 5530MHz Ant1



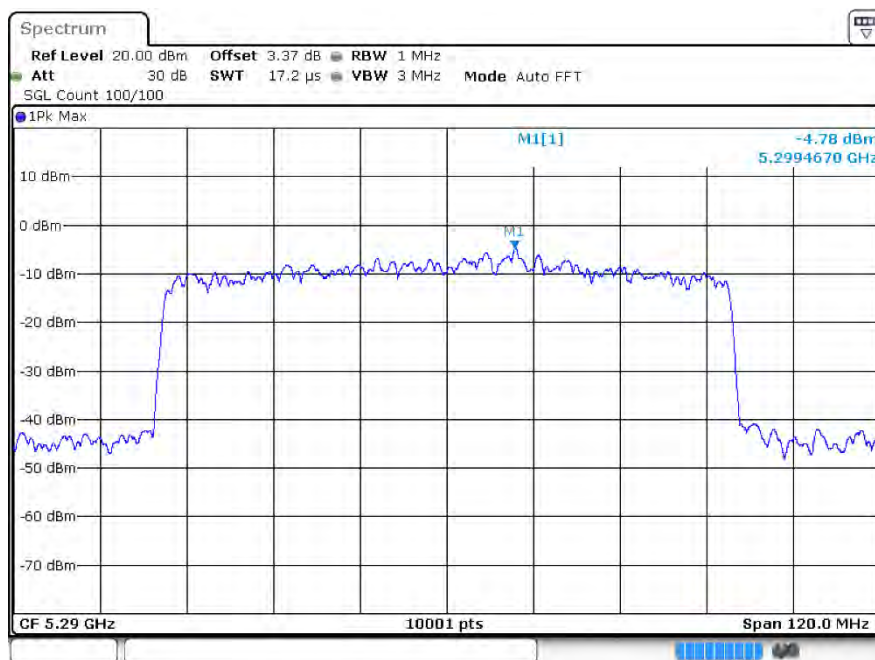
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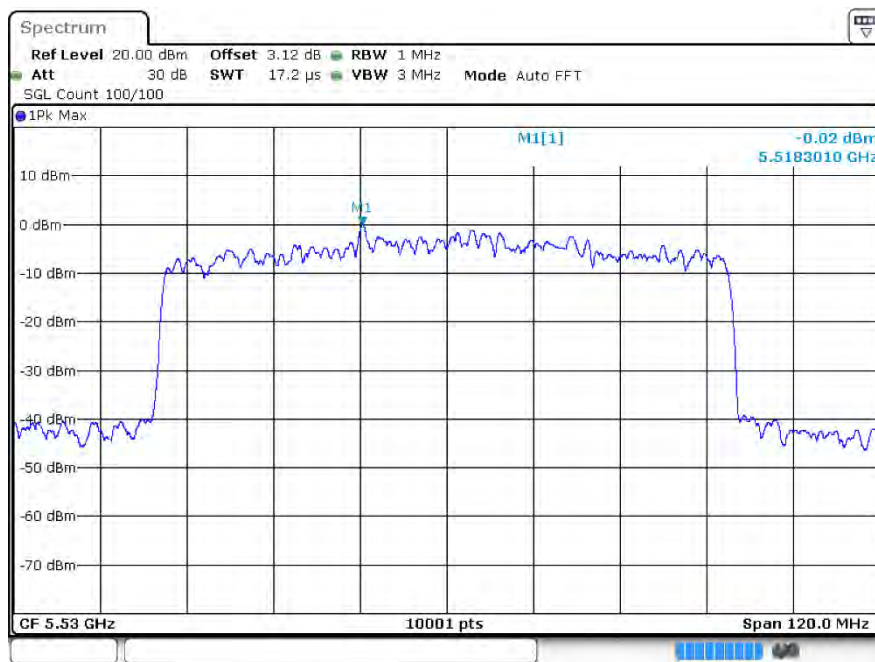
PSDax80 5210MHz Ant2



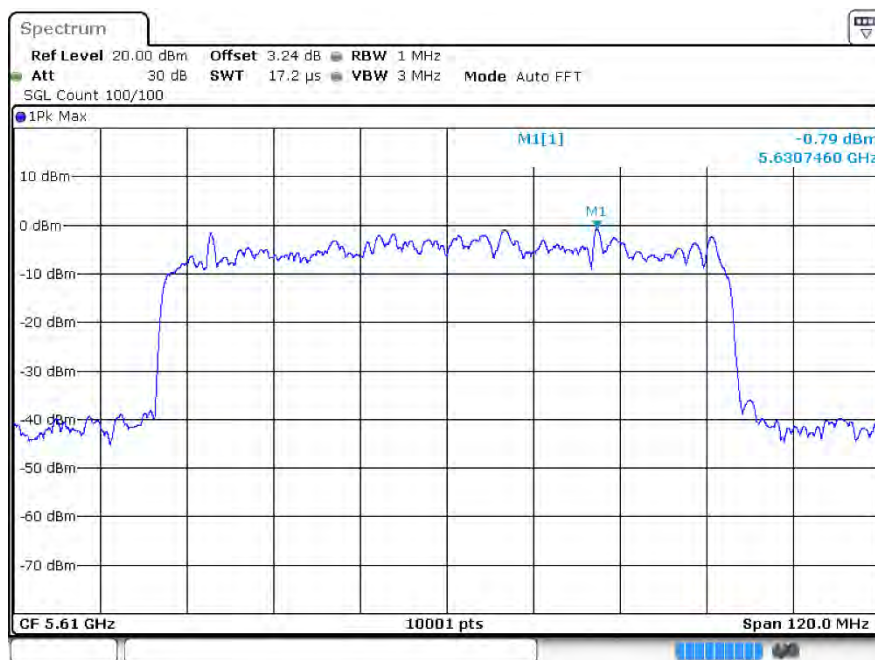
PSDax80 5290MHz Ant2



PSD ax80 5530MHz Ant2



PSDax80 5610MHz Ant2





6 Frequency Stability

6.1 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5180	Ant1	5180	0	0	25	Pass
20C 120V	a	5180	Ant1	5180	0	0	25	Pass
20C 138V	a	5180	Ant1	5180	0	0	25	Pass
-20C 120V	a	5180	Ant1	5180	0	0	25	Pass
-10C 120V	a	5180	Ant1	5180	0	0	25	Pass
0C 120V	a	5180	Ant1	5180	0	0	25	Pass
10C 120V	a	5180	Ant1	5180	0	0	25	Pass
30C 120V	a	5180	Ant1	5180	0	0	25	Pass
40C 120V	a	5180	Ant1	5180	0	0	25	Pass
50C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	a	5200	Ant1	5200	0	0	25	Pass
20C 120V	a	5200	Ant1	5200	0	0	25	Pass
20C 138V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
-20C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 120V	a	5200	Ant1	5200	0	0	25	Pass
10C 120V	a	5200	Ant1	5200	0	0	25	Pass
30C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
40C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 102V	a	5200	Ant1	5200	0	0	25	Pass
20C 102V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 138V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	a	5240	Ant1	5240	0	0	25	Pass
-10C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
0C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
10C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 120V	a	5240	Ant1	5240	0	0	25	Pass
40C 120V	a	5240	Ant1	5240	0	0	25	Pass
50C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 102V	a	5260	Ant1	5260	0	0	25	Pass
20C 120V	a	5260	Ant1	5260	0	0	25	Pass
20C 138V	a	5260	Ant1	5260	0	0	25	Pass
-20C 120V	a	5260	Ant1	5260.02	20000	3.8	25	Pass
-10C 120V	a	5260	Ant1	5260	0	0	25	Pass
0C 120V	a	5260	Ant1	5260	0	0	25	Pass



10C 120V	a	5260	Ant1	5260	0	0	25	Pass
30C 120V	a	5260	Ant1	5260.02	20000	3.8	25	Pass
40C 120V	a	5260	Ant1	5260.02	20000	3.8	25	Pass
50C 120V	a	5260	Ant1	5260.02	20000	3.8	25	Pass
20C 102V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 120V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 138V	a	5280	Ant1	5280	0	0	25	Pass
-20C 120V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-10C 120V	a	5280	Ant1	5280	0	0	25	Pass
0C 120V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
10C 120V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
30C 120V	a	5280	Ant1	5280	0	0	25	Pass
40C 120V	a	5280	Ant1	5280	0	0	25	Pass
50C 120V	a	5280	Ant1	5280.02	20000	3.79	25	Pass
20C 102V	a	5320	Ant1	5320	0	0	25	Pass
20C 120V	a	5320	Ant1	5320.02	20000	3.76	25	Pass
20C 138V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-20C 120V	a	5320	Ant1	5320	0	0	25	Pass
-10C 120V	a	5320	Ant1	5320	0	0	25	Pass
0C 120V	a	5320	Ant1	5320.02	20000	3.76	25	Pass
10C 120V	a	5320	Ant1	5320	0	0	25	Pass
30C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
40C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
50C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 102V	a	5500	Ant1	5500	0	0	25	Pass
20C 120V	a	5500	Ant1	5500	0	0	25	Pass
20C 138V	a	5500	Ant1	5500.02	20000	3.64	25	Pass
-20C 120V	a	5500	Ant1	5500	0	0	25	Pass
-10C 120V	a	5500	Ant1	5500.02	20000	3.64	25	Pass
0C 120V	a	5500	Ant1	5500	0	0	25	Pass
10C 120V	a	5500	Ant1	5500	0	0	25	Pass
30C 120V	a	5500	Ant1	5500	0	0	25	Pass
40C 120V	a	5500	Ant1	5500.02	20000	3.64	25	Pass
50C 120V	a	5500	Ant1	5500.04	40000	7.27	25	Pass
20C 102V	a	5600	Ant1	5600	0	0	25	Pass
20C 120V	a	5600	Ant1	5599.98	-20000	-3.57	25	Pass
20C 138V	a	5600	Ant1	5600	0	0	25	Pass
-20C 120V	a	5600	Ant1	5600	0	0	25	Pass
-10C 120V	a	5600	Ant1	5600	0	0	25	Pass
0C 120V	a	5600	Ant1	5600	0	0	25	Pass
10C 120V	a	5600	Ant1	5599.98	-20000	-3.57	25	Pass
30C 120V	a	5600	Ant1	5600	0	0	25	Pass
40C 120V	a	5600	Ant1	5599.98	-20000	-3.57	25	Pass



50C 120V	a	5600	Ant1	5600	0	0	25	Pass
20C 102V	a	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20C 120V	a	5700	Ant1	5700.02	20000	3.51	25	Pass
20C 138V	a	5700	Ant1	5700	0	0	25	Pass
-20C 120V	a	5700	Ant1	5700	0	0	25	Pass
-10C 120V	a	5700	Ant1	5700	0	0	25	Pass
0C 120V	a	5700	Ant1	5700	0	0	25	Pass
10C 120V	a	5700	Ant1	5699.98	-20000	-3.51	25	Pass
30C 120V	a	5700	Ant1	5699.98	-20000	-3.51	25	Pass
40C 120V	a	5700	Ant1	5699.96	-40000	-7.02	25	Pass
50C 120V	a	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20C 102V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	n20	5180	Ant1	5180	0	0	25	Pass
0C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
10C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	n20	5180	Ant1	5180	0	0	25	Pass
20C 102V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	n20	5200	Ant1	5200	0	0	25	Pass
40C 120V	n20	5200	Ant1	5200	0	0	25	Pass
50C 120V	n20	5200	Ant1	5200	0	0	25	Pass
20C 102V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant1	5240	0	0	25	Pass
10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
20C 120V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass



20C 138V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
-20C 120V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
-10C 120V	n20	5260	Ant1	5260	0	0	25	Pass
0C 120V	n20	5260	Ant1	5260	0	0	25	Pass
10C 120V	n20	5260	Ant1	5260	0	0	25	Pass
30C 120V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
40C 120V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
50C 120V	n20	5260	Ant1	5260	0	0	25	Pass
20C 102V	n20	5280	Ant1	5280	0	0	25	Pass
20C 120V	n20	5280	Ant1	5280	0	0	25	Pass
20C 138V	n20	5280	Ant1	5280	0	0	25	Pass
-20C 120V	n20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
-10C 120V	n20	5280	Ant1	5280	0	0	25	Pass
0C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
10C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
30C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
40C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
50C 120V	n20	5280	Ant1	5280	0	0	25	Pass
20C 102V	n20	5320	Ant1	5320	0	0	25	Pass
20C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 138V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
-20C 120V	n20	5320	Ant1	5320	0	0	25	Pass
-10C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
0C 120V	n20	5320	Ant1	5320	0	0	25	Pass
10C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
30C 120V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
40C 120V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
50C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 102V	n20	5500	Ant1	5500	0	0	25	Pass
20C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 138V	n20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-20C 120V	n20	5500	Ant1	5500	0	0	25	Pass
-10C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
0C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
10C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
30C 120V	n20	5500	Ant1	5500	0	0	25	Pass
40C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
50C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 102V	n20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
20C 120V	n20	5600	Ant1	5600.02	20000	3.57	25	Pass
20C 138V	n20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
-20C 120V	n20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
-10C 120V	n20	5600	Ant1	5599.98	-20000	-3.57	25	Pass



0C 120V	n20	5600	Ant1	5600	0	0	25	Pass
10C 120V	n20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
30C 120V	n20	5600	Ant1	5599.94	-60000	-10.71	25	Pass
40C 120V	n20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
50C 120V	n20	5600	Ant1	5600	0	0	25	Pass
20C 102V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 120V	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20C 138V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-20C 120V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-10C 120V	n20	5700	Ant1	5700	0	0	25	Pass
0C 120V	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
10C 120V	n20	5700	Ant1	5700	0	0	25	Pass
30C 120V	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
40C 120V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
50C 120V	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20C 102V	n40	5190	Ant1	5190	0	0	25	Pass
20C 120V	n40	5190	Ant1	5190.24	240000	46.24	25	Pass
20C 138V	n40	5190	Ant1	5190.76	760000	146.44	25	Pass
-20C 120V	n40	5190	Ant1	5190.32	320000	61.66	25	Pass
-10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant1	5189.64	-360000	-69.36	25	Pass
50C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	Ant1	5229.64	-360000	-68.83	25	Pass
20C 120V	n40	5230	Ant1	5230.28	280000	53.54	25	Pass
20C 138V	n40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	n40	5230	Ant1	5230.28	280000	53.54	25	Pass
0C 120V	n40	5230	Ant1	5229.68	-320000	-61.19	25	Pass
10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	n40	5230	Ant1	5229.8	-200000	-38.24	25	Pass
40C 120V	n40	5230	Ant1	5229.68	-320000	-61.19	25	Pass
50C 120V	n40	5230	Ant1	5230.08	80000	15.3	25	Pass
20C 102V	n40	5270	Ant1	5270.28	280000	53.13	25	Pass
20C 120V	n40	5270	Ant1	5269.64	-360000	-68.31	25	Pass
20C 138V	n40	5270	Ant1	5269.92	-80000	-15.18	25	Pass
-20C 120V	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
-10C 120V	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
0C 120V	n40	5270	Ant1	5269.88	-120000	-22.77	25	Pass
10C 120V	n40	5270	Ant1	5269.88	-120000	-22.77	25	Pass
30C 120V	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass



40C 120V	n40	5270	Ant1	5269.6	-400000	-75.9	25	Pass
50C 120V	n40	5270	Ant1	5269.92	-80000	-15.18	25	Pass
20C 102V	n40	5310	Ant1	5310.12	120000	22.6	25	Pass
20C 120V	n40	5310	Ant1	5310.32	320000	60.26	25	Pass
20C 138V	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
-20C 120V	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
-10C 120V	n40	5310	Ant1	5310.44	440000	82.86	25	Pass
0C 120V	n40	5310	Ant1	5310	0	0	25	Pass
10C 120V	n40	5310	Ant1	5310.28	280000	52.73	25	Pass
30C 120V	n40	5310	Ant1	5310	0	0	25	Pass
40C 120V	n40	5310	Ant1	5310.2	200000	37.66	25	Pass
50C 120V	n40	5310	Ant1	5310	0	0	25	Pass
20C 102V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
20C 120V	n40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
20C 138V	n40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
-20C 120V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-10C 120V	n40	5510	Ant1	5510	0	0	25	Pass
0C 120V	n40	5510	Ant1	5509.64	-360000	-65.34	25	Pass
10C 120V	n40	5510	Ant1	5510	0	0	25	Pass
30C 120V	n40	5510	Ant1	5509.64	-360000	-65.34	25	Pass
40C 120V	n40	5510	Ant1	5510.12	120000	21.78	25	Pass
50C 120V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
20C 102V	n40	5670	Ant1	5670.12	120000	21.16	25	Pass
20C 120V	n40	5670	Ant1	5669.64	-360000	-63.49	25	Pass
20C 138V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
-20C 120V	n40	5670	Ant1	5670.28	280000	49.38	25	Pass
-10C 120V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
0C 120V	n40	5670	Ant1	5669.8	-200000	-35.27	25	Pass
10C 120V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
30C 120V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
40C 120V	n40	5670	Ant1	5670.28	280000	49.38	25	Pass
50C 120V	n40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
20C 102V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
-10C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass



20C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
20C 138V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
-10C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
30C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
20C 120V	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
20C 138V	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
-20C 120V	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
-10C 120V	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
0C 120V	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
10C 120V	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
30C 120V	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
40C 120V	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
50C 120V	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
20C 102V	ac20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
20C 120V	ac20	5280	Ant1	5280	0	0	25	Pass
20C 138V	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-20C 120V	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-10C 120V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
0C 120V	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
10C 120V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
30C 120V	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
40C 120V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
50C 120V	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 102V	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
20C 138V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
-20C 120V	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass



-10C 120V	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
0C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
10C 120V	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
30C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
40C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
50C 120V	ac20	5320	Ant1	5320	0	0	25	Pass
20C 102V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 120V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 138V	ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-20C 120V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
-10C 120V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
0C 120V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
10C 120V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
30C 120V	ac20	5500	Ant1	5500	0	0	25	Pass
40C 120V	ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
50C 120V	ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
20C 102V	ac20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
20C 120V	ac20	5600	Ant1	5600	0	0	25	Pass
20C 138V	ac20	5600	Ant1	5599.96	-40000	-7.14	25	Pass
-20C 120V	ac20	5600	Ant1	5599.94	-60000	-10.71	25	Pass
-10C 120V	ac20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
0C 120V	ac20	5600	Ant1	5599.96	-40000	-7.14	25	Pass
10C 120V	ac20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
30C 120V	ac20	5600	Ant1	5599.98	-20000	-3.57	25	Pass
40C 120V	ac20	5600	Ant1	5599.96	-40000	-7.14	25	Pass
50C 120V	ac20	5600	Ant1	5599.96	-40000	-7.14	25	Pass
20C 102V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 120V	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20C 138V	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
-20C 120V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-10C 120V	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
0C 120V	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
10C 120V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
30C 120V	ac20	5700	Ant1	5700	0	0	25	Pass
40C 120V	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
50C 120V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 102V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 138V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	ac40	5190	Ant1	5189.64	-360000	-69.36	25	Pass
10C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass



30C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
40C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
50C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 102V	ac40	5230	Ant1	5230	0	0	25	Pass
20C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
20C 138V	ac40	5230	Ant1	5230.12	120000	22.94	25	Pass
-20C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
30C 120V	ac40	5230	Ant1	5230.12	120000	22.94	25	Pass
40C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 102V	ac40	5270	Ant1	5269.76	-240000	-45.54	25	Pass
20C 120V	ac40	5270	Ant1	5269.64	-360000	-68.31	25	Pass
20C 138V	ac40	5270	Ant1	5269.92	-80000	-15.18	25	Pass
-20C 120V	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
-10C 120V	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
0C 120V	ac40	5270	Ant1	5269.68	-320000	-60.72	25	Pass
10C 120V	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
30C 120V	ac40	5270	Ant1	5269.92	-80000	-15.18	25	Pass
40C 120V	ac40	5270	Ant1	5269	-1000000	-189.75	25	Pass
50C 120V	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
20C 102V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
20C 120V	ac40	5310	Ant1	5310.28	280000	52.73	25	Pass
20C 138V	ac40	5310	Ant1	5310	0	0	25	Pass
-20C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
-10C 120V	ac40	5310	Ant1	5310	0	0	25	Pass
0C 120V	ac40	5310	Ant1	5310	0	0	25	Pass
10C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
30C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
40C 120V	ac40	5310	Ant1	5310.28	280000	52.73	25	Pass
50C 120V	ac40	5310	Ant1	5310.08	80000	15.07	25	Pass
20C 102V	ac40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
20C 120V	ac40	5510	Ant1	5509.76	-240000	-43.56	25	Pass
20C 138V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-20C 120V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-10C 120V	ac40	5510	Ant1	5509.64	-360000	-65.34	25	Pass
0C 120V	ac40	5510	Ant1	5510.28	280000	50.82	25	Pass
10C 120V	ac40	5510	Ant1	5510.08	80000	14.52	25	Pass
30C 120V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
40C 120V	ac40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
50C 120V	ac40	5510	Ant1	5509.92	-80000	-14.52	25	Pass



20C 102V	ac40	5670	Ant1	5670.12	120000	21.16	25	Pass
20C 120V	ac40	5670	Ant1	5669.76	-240000	-42.33	25	Pass
20C 138V	ac40	5670	Ant1	5669.76	-240000	-42.33	25	Pass
-20C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
-10C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
0C 120V	ac40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
10C 120V	ac40	5670	Ant1	5670.12	120000	21.16	25	Pass
30C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
40C 120V	ac40	5670	Ant1	5669.76	-240000	-42.33	25	Pass
50C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
20C 102V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 138V	ac80	5210	Ant1	5210	0	0	25	Pass
-20C 120V	ac80	5210	Ant1	5210.16	160000	30.71	25	Pass
-10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
30C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
40C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 102V	ac80	5290	Ant1	5290	0	0	25	Pass
20C 120V	ac80	5290	Ant1	5290	0	0	25	Pass
20C 138V	ac80	5290	Ant1	5290	0	0	25	Pass
-20C 120V	ac80	5290	Ant1	5290	0	0	25	Pass
-10C 120V	ac80	5290	Ant1	5290	0	0	25	Pass
0C 120V	ac80	5290	Ant1	5289.84	-160000	-30.25	25	Pass
10C 120V	ac80	5290	Ant1	5290	0	0	25	Pass
30C 120V	ac80	5290	Ant1	5290	0	0	25	Pass
40C 120V	ac80	5290	Ant1	5290	0	0	25	Pass
50C 120V	ac80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
20C 102V	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
20C 120V	ac80	5530	Ant1	5529.68	-320000	-57.87	25	Pass
20C 138V	ac80	5530	Ant1	5530	0	0	25	Pass
-20C 120V	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
-10C 120V	ac80	5530	Ant1	5529.76	-240000	-43.4	25	Pass
0C 120V	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
10C 120V	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
30C 120V	ac80	5530	Ant1	5530	0	0	25	Pass
40C 120V	ac80	5530	Ant1	5529.84	-160000	-28.93	25	Pass
50C 120V	ac80	5530	Ant1	5530	0	0	25	Pass
20C 102V	ac80	5610	Ant1	5609.76	-240000	-42.78	25	Pass
20C 120V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
20C 138V	ac80	5610	Ant1	5610	0	0	25	Pass



-20C 120V	ac80	5610	Ant1	5610	0	0	25	Pass
-10C 120V	ac80	5610	Ant1	5609.84	-160000	-28.52	25	Pass
0C 120V	ac80	5610	Ant1	5610	0	0	25	Pass
10C 120V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
30C 120V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
40C 120V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
50C 120V	ac80	5610	Ant1	5610	0	0	25	Pass
20C 102V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
10C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
30C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
50C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 102V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-10C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	ax20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
20C 120V	ax20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
20C 138V	ax20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
-20C 120V	ax20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
-10C 120V	ax20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
0C 120V	ax20	5260	Ant1	5259.92	-80000	-15.21	25	Pass



10C 120V	ax20	5260	Ant1	5259.94	-60000	-11.41	25	Pass
30C 120V	ax20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
40C 120V	ax20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
50C 120V	ax20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
20C 102V	ax20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
20C 120V	ax20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 138V	ax20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-20C 120V	ax20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-10C 120V	ax20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
0C 120V	ax20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
10C 120V	ax20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
30C 120V	ax20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
40C 120V	ax20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
50C 120V	ax20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
20C 102V	ax20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 120V	ax20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 138V	ax20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-20C 120V	ax20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-10C 120V	ax20	5320	Ant1	5320	0	0	25	Pass
0C 120V	ax20	5320	Ant1	5320.98	980000	184.21	25	Pass
10C 120V	ax20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
30C 120V	ax20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
40C 120V	ax20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
50C 120V	ax20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
20C 102V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
20C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
20C 138V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-20C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-10C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
0C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
10C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
30C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
40C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
50C 120V	ax20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
20C 102V	ax20	5600	Ant1	5599.94	-60000	-10.71	25	Pass
20C 120V	ax20	5600	Ant1	5599.96	-40000	-7.14	25	Pass
20C 138V	ax20	5600	Ant1	5599.96	-40000	-7.14	25	Pass
-20C 120V	ax20	5600	Ant1	5599.92	-80000	-14.29	25	Pass
-10C 120V	ax20	5600	Ant1	5601	1000000	178.57	25	Pass
0C 120V	ax20	5600	Ant1	5599.94	-60000	-10.71	25	Pass
10C 120V	ax20	5600	Ant1	5599.94	-60000	-10.71	25	Pass
30C 120V	ax20	5600	Ant1	5599.94	-60000	-10.71	25	Pass
40C 120V	ax20	5600	Ant1	5599.94	-60000	-10.71	25	Pass



50C 120V	ax20	5600	Ant1	5599.94	-60000	-10.71	25	Pass
20C 102V	ax20	5700	Ant1	5699.94	-60000	-10.53	25	Pass
20C 120V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 138V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-20C 120V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-10C 120V	ax20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
0C 120V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
10C 120V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
30C 120V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
40C 120V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
50C 120V	ax20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 102V	ax40	5190	Ant1	5189.56	-440000	-84.78	25	Pass
20C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
10C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 102V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 138V	ax40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	ax40	5230	Ant1	5230.12	120000	22.94	25	Pass
30C 120V	ax40	5230	Ant1	5229.84	-160000	-30.59	25	Pass
40C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
50C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ax40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
20C 120V	ax40	5270	Ant1	5269.92	-80000	-15.18	25	Pass
20C 138V	ax40	5270	Ant1	5270	0	0	25	Pass
-20C 120V	ax40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
-10C 120V	ax40	5270	Ant1	5269.92	-80000	-15.18	25	Pass
0C 120V	ax40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
10C 120V	ax40	5270	Ant1	5270	0	0	25	Pass
30C 120V	ax40	5270	Ant1	5270	0	0	25	Pass
40C 120V	ax40	5270	Ant1	5269.68	-320000	-60.72	25	Pass
50C 120V	ax40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
20C 102V	ax40	5310	Ant1	5310.32	320000	60.26	25	Pass
20C 120V	ax40	5310	Ant1	5310.04	40000	7.53	25	Pass



20C 138V	ax40	5310	Ant1	5310	0	0	25	Pass
-20C 120V	ax40	5310	Ant1	5310.24	240000	45.2	25	Pass
-10C 120V	ax40	5310	Ant1	5310	0	0	25	Pass
0C 120V	ax40	5310	Ant1	5310	0	0	25	Pass
10C 120V	ax40	5310	Ant1	5310.04	40000	7.53	25	Pass
30C 120V	ax40	5310	Ant1	5310.12	120000	22.6	25	Pass
40C 120V	ax40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
50C 120V	ax40	5310	Ant1	5310.08	80000	15.07	25	Pass
20C 102V	ax40	5510	Ant1	5509.84	-160000	-29.04	25	Pass
20C 120V	ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
20C 138V	ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-20C 120V	ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-10C 120V	ax40	5510	Ant1	5509.76	-240000	-43.56	25	Pass
0C 120V	ax40	5510	Ant1	5509.88	-120000	-21.78	25	Pass
10C 120V	ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
30C 120V	ax40	5510	Ant1	5510	0	0	25	Pass
40C 120V	ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
50C 120V	ax40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
20C 102V	ax40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
20C 120V	ax40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
20C 138V	ax40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
-20C 120V	ax40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
-10C 120V	ax40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
0C 120V	ax40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
10C 120V	ax40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
30C 120V	ax40	5670	Ant1	5669.88	-120000	-21.16	25	Pass
40C 120V	ax40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
50C 120V	ax40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
20C 102V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 138V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ax80	5210	Ant1	5210.08	80000	15.36	25	Pass
10C 120V	ax80	5210	Ant1	5210.08	80000	15.36	25	Pass
30C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
40C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 102V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
20C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
20C 138V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
-20C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
-10C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass



0C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
10C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
30C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
40C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
50C 120V	ax80	5290	Ant1	5289.92	-80000	-15.12	25	Pass
20C 102V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
20C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
20C 138V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
-20C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
-10C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
0C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
10C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
30C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
40C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
50C 120V	ax80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
20C 102V	ax80	5610	Ant1	5609.6	-400000	-71.3	25	Pass
20C 120V	ax80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
20C 138V	ax80	5610	Ant1	5609.84	-160000	-28.52	25	Pass
-20C 120V	ax80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
-10C 120V	ax80	5610	Ant1	5609.68	-320000	-57.04	25	Pass
0C 120V	ax80	5610	Ant1	5609.76	-240000	-42.78	25	Pass
10C 120V	ax80	5610	Ant1	5609.68	-320000	-57.04	25	Pass
30C 120V	ax80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
40C 120V	ax80	5610	Ant1	5609.12	-880000	-156.86	25	Pass
50C 120V	ax80	5610	Ant1	5609.92	-80000	-14.26	25	Pass



7 Conducted RF Spurious Emission

7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-33.38	-27	Pass
a	5200	Ant1	-33.22	-27	Pass
a	5240	Ant1	-33.92	-27	Pass
a	5260	Ant1	-33.43	-27	Pass
a	5280	Ant1	-33.95	-27	Pass
a	5320	Ant1	-33.63	-27	Pass
a	5500	Ant1	-33.7	-27	Pass
a	5600	Ant1	-33.44	-27	Pass
a	5700	Ant1	-33.1	-27	Pass
n20	5180	Ant1	-33.23	-27	Pass
n20	5200	Ant1	-33.18	-27	Pass
n20	5240	Ant1	-33.93	-27	Pass
n20	5260	Ant1	-34.07	-27	Pass
n20	5280	Ant1	-32.8	-27	Pass
n20	5320	Ant1	-33.11	-27	Pass
n20	5500	Ant1	-33.44	-27	Pass
n20	5600	Ant1	-33.47	-27	Pass
n20	5700	Ant1	-33.07	-27	Pass
n40	5190	Ant1	-32.95	-27	Pass
n40	5230	Ant1	-33.92	-27	Pass
n40	5270	Ant1	-33.25	-27	Pass
n40	5310	Ant1	-33.61	-27	Pass
n40	5510	Ant1	-32.96	-27	Pass
n40	5670	Ant1	-33.41	-27	Pass
ac20	5180	Ant1	-33.64	-27	Pass
ac20	5200	Ant1	-33.34	-27	Pass
ac20	5240	Ant1	-33.62	-27	Pass
ac20	5260	Ant1	-33.84	-27	Pass
ac20	5280	Ant1	-32.34	-27	Pass
ac20	5320	Ant1	-33.19	-27	Pass
ac20	5500	Ant1	-33.45	-27	Pass
ac20	5600	Ant1	-33.03	-27	Pass
ac20	5700	Ant1	-33	-27	Pass
ac40	5190	Ant1	-33.96	-27	Pass
ac40	5230	Ant1	-33.66	-27	Pass
ac40	5270	Ant1	-33.56	-27	Pass
ac40	5310	Ant1	-32.9	-27	Pass



ac40	5510	Ant1	-32.81	-27	Pass
ac40	5670	Ant1	-32.33	-27	Pass
ac80	5210	Ant1	-32.73	-27	Pass
ac80	5290	Ant1	-33.43	-27	Pass
ac80	5530	Ant1	-33.32	-27	Pass
ac80	5610	Ant1	-33.12	-27	Pass
ax20	5180	Ant1	-32.92	-27	Pass
ax20	5200	Ant1	-32.99	-27	Pass
ax20	5240	Ant1	-33.12	-27	Pass
ax20	5260	Ant1	-33.95	-27	Pass
ax20	5280	Ant1	-33.8	-27	Pass
ax20	5320	Ant1	-33.1	-27	Pass
ax20	5500	Ant1	-33.29	-27	Pass
ax20	5600	Ant1	-33.48	-27	Pass
ax20	5700	Ant1	-33.17	-27	Pass
ax40	5190	Ant1	-33.78	-27	Pass
ax40	5230	Ant1	-30.88	-27	Pass
ax40	5270	Ant1	-33.24	-27	Pass
ax40	5310	Ant1	-33.18	-27	Pass
ax40	5510	Ant1	-33.47	-27	Pass
ax40	5670	Ant1	-33.67	-27	Pass
ax80	5210	Ant1	-33.69	-27	Pass
ax80	5290	Ant1	-33.39	-27	Pass
ax80	5530	Ant1	-32.83	-27	Pass
ax80	5610	Ant1	-33.49	-27	Pass
a	5180	Ant2	-33.5	-27	Pass
a	5200	Ant2	-33.24	-27	Pass
a	5240	Ant2	-33.66	-27	Pass
a	5260	Ant2	-33.25	-27	Pass
a	5280	Ant2	-32.93	-27	Pass
a	5320	Ant2	-33.12	-27	Pass
a	5500	Ant2	-32.74	-27	Pass
a	5600	Ant2	-32.83	-27	Pass
a	5700	Ant2	-33.18	-27	Pass
n20	5180	Ant2	-32.76	-27	Pass
n20	5200	Ant2	-33.55	-27	Pass
n20	5240	Ant2	-33.19	-27	Pass
n20	5260	Ant2	-33.29	-27	Pass
n20	5280	Ant2	-33.13	-27	Pass
n20	5320	Ant2	-32.75	-27	Pass
n20	5500	Ant2	-33.32	-27	Pass
n20	5600	Ant2	-33.67	-27	Pass
n20	5700	Ant2	-33.36	-27	Pass

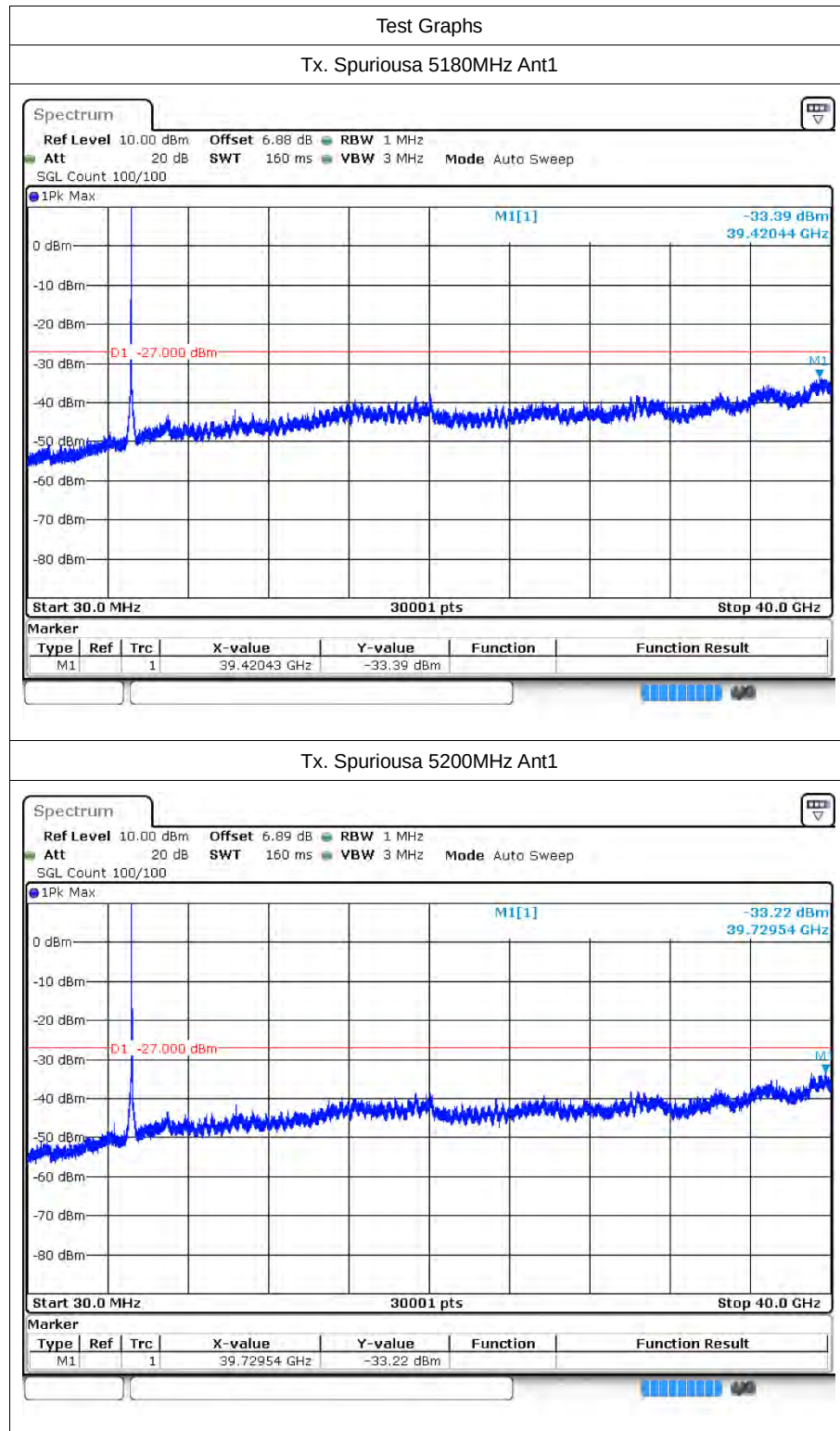


n40	5190	Ant2	-33.28	-27	Pass
n40	5230	Ant2	-32.75	-27	Pass
n40	5270	Ant2	-33.31	-27	Pass
n40	5310	Ant2	-33.21	-27	Pass
n40	5510	Ant2	-33.14	-27	Pass
n40	5670	Ant2	-32.87	-27	Pass
ac20	5180	Ant2	-33.29	-27	Pass
ac20	5200	Ant2	-33.51	-27	Pass
ac20	5240	Ant2	-33	-27	Pass
ac20	5260	Ant2	-32.92	-27	Pass
ac20	5280	Ant2	-32.88	-27	Pass
ac20	5320	Ant2	-33.31	-27	Pass
ac20	5500	Ant2	-32.55	-27	Pass
ac20	5600	Ant2	-33.54	-27	Pass
ac20	5700	Ant2	-32.97	-27	Pass
ac40	5190	Ant2	-33.47	-27	Pass
ac40	5230	Ant2	-32.35	-27	Pass
ac40	5270	Ant2	-33.12	-27	Pass
ac40	5310	Ant2	-32.78	-27	Pass
ac40	5510	Ant2	-32.57	-27	Pass
ac40	5670	Ant2	-33.82	-27	Pass
ac80	5210	Ant2	-33.27	-27	Pass
ac80	5290	Ant2	-32.14	-27	Pass
ac80	5530	Ant2	-33.26	-27	Pass
ac80	5610	Ant2	-32.84	-27	Pass
ax20	5180	Ant2	-33.2	-27	Pass
ax20	5200	Ant2	-33.4	-27	Pass
ax20	5240	Ant2	-33.58	-27	Pass
ax20	5260	Ant2	-32.8	-27	Pass
ax20	5280	Ant2	-31.66	-27	Pass
ax20	5320	Ant2	-33.45	-27	Pass
ax20	5500	Ant2	-33.07	-27	Pass
ax20	5600	Ant2	-33.05	-27	Pass
ax20	5700	Ant2	-32.87	-27	Pass
ax40	5190	Ant2	-33.83	-27	Pass
ax40	5230	Ant2	-33.55	-27	Pass
ax40	5270	Ant2	-33.19	-27	Pass
ax40	5310	Ant2	-33.6	-27	Pass
ax40	5510	Ant2	-32.93	-27	Pass
ax40	5670	Ant2	-31.54	-27	Pass
ax80	5210	Ant2	-33.15	-27	Pass
ax80	5290	Ant2	-33.49	-27	Pass
ax80	5530	Ant2	-33.6	-27	Pass

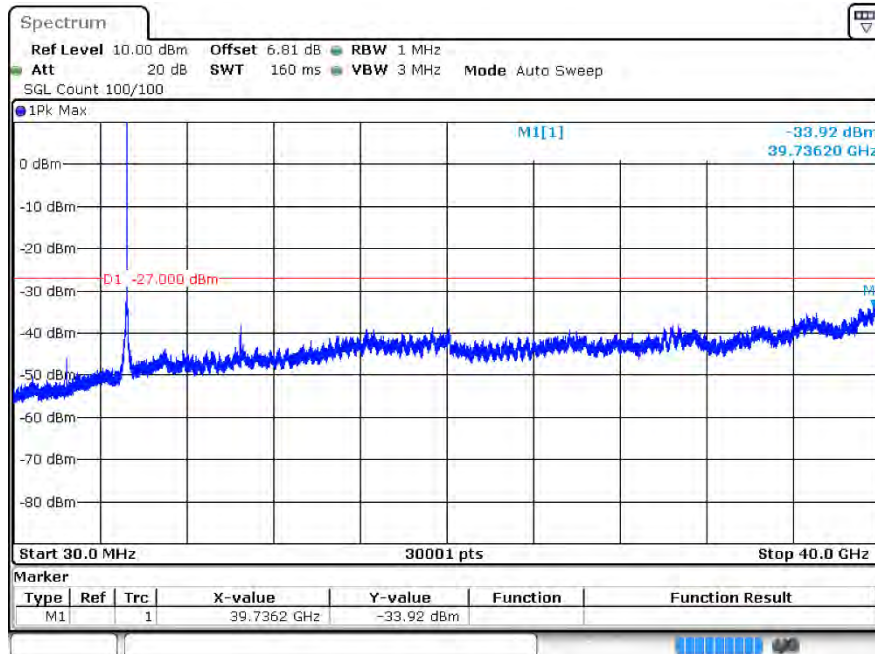


ax80	5610	Ant2	-33.3	-27	Pass
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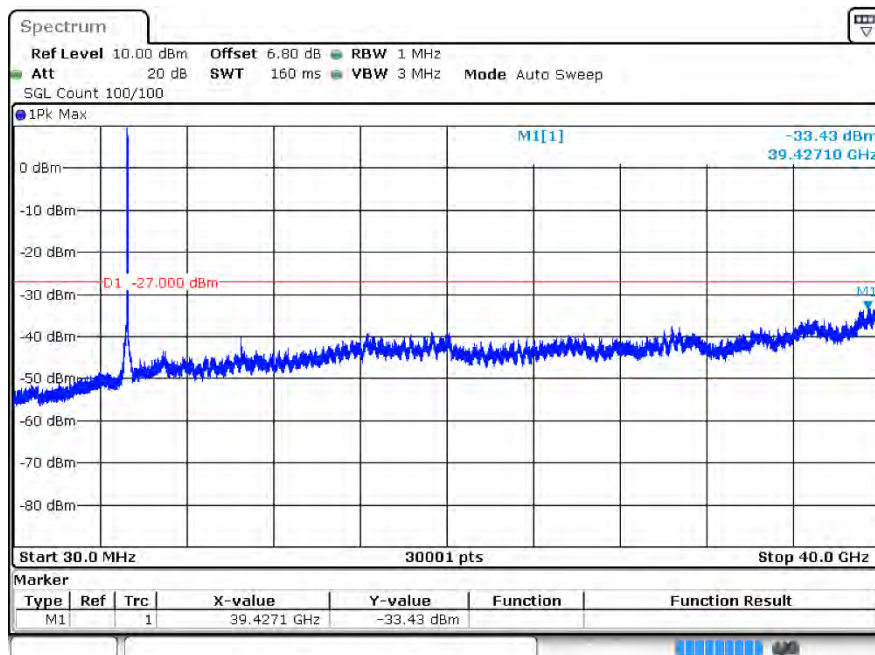
7.2 Test Graphs



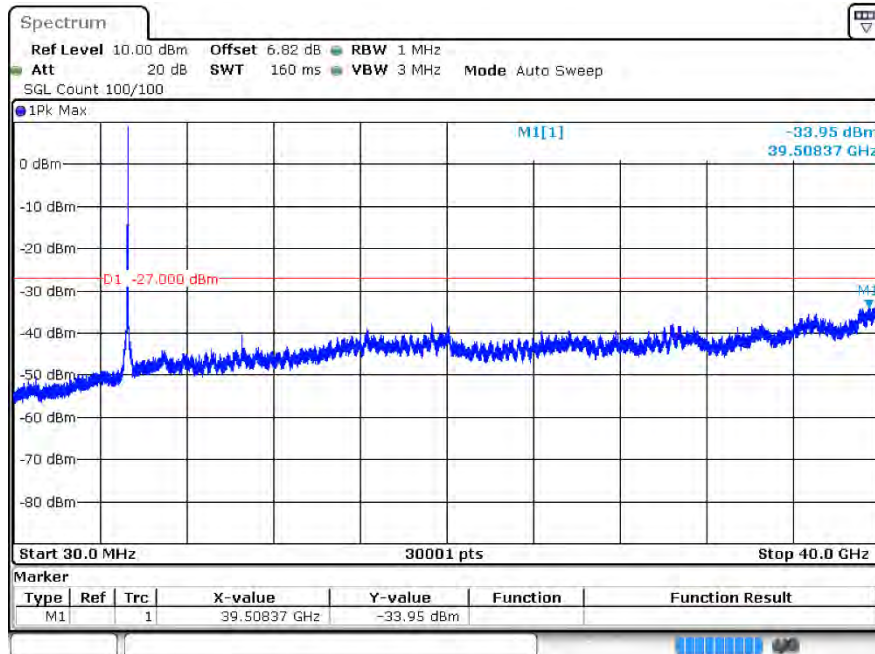
Tx. Spuriousa 5240MHz Ant1



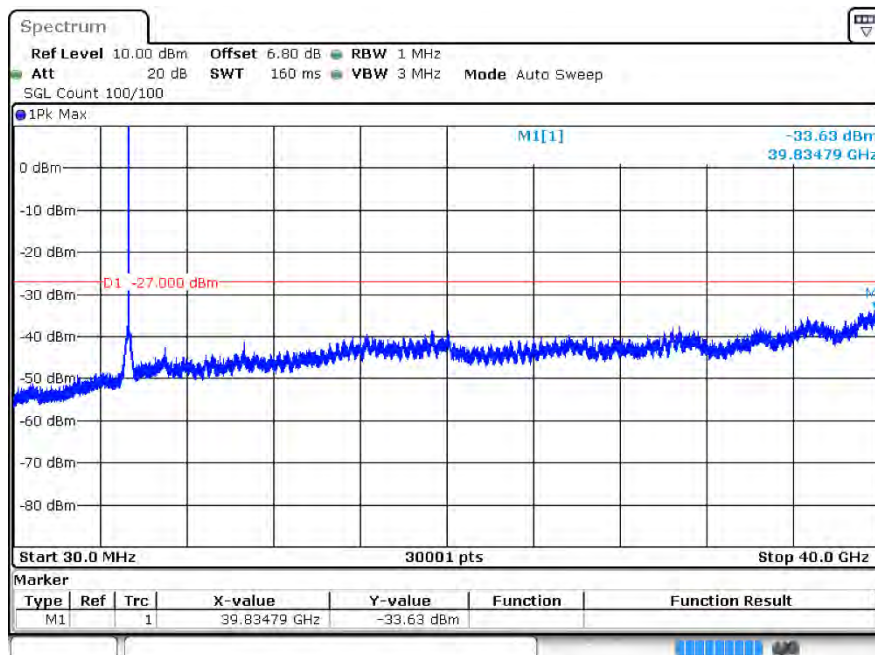
Tx. Spuriousa 5260MHz Ant1



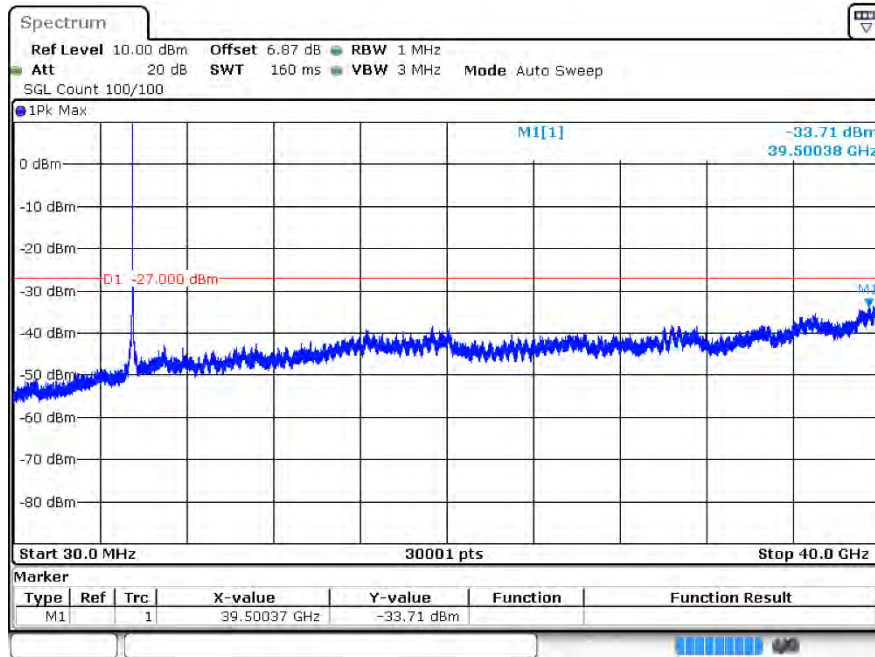
Tx. Spurious 5280MHz Ant1



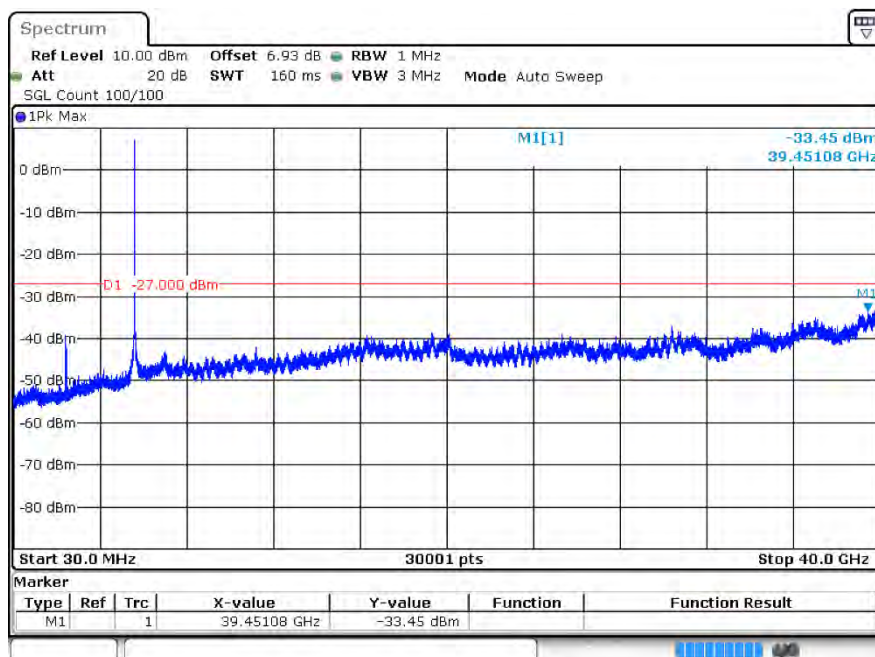
Tx. Spurious a 5320MHz Ant1

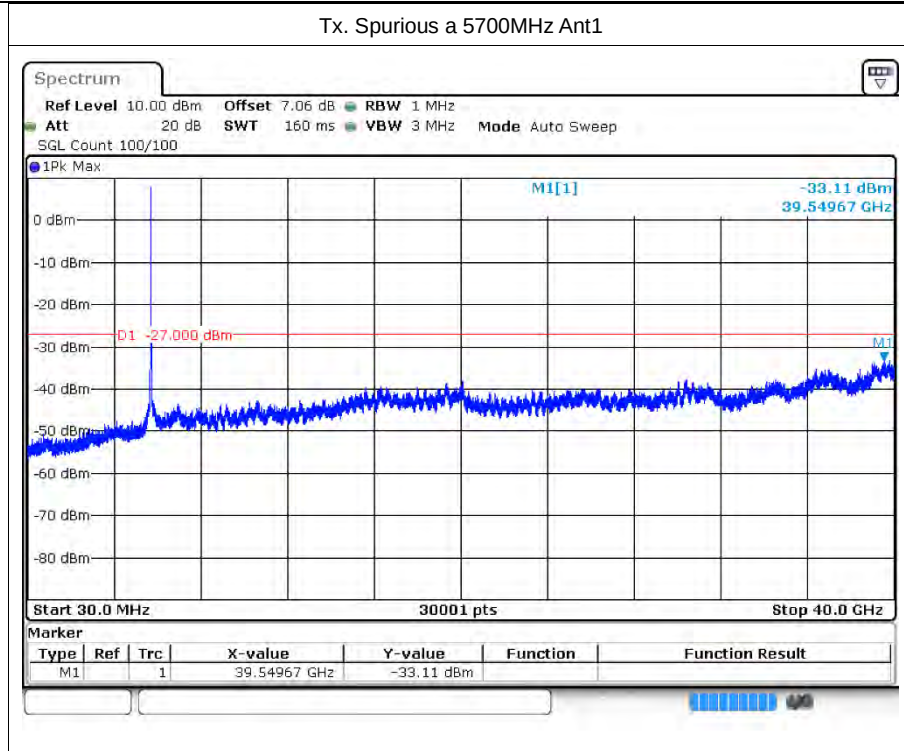


Tx. Spuriousa 5500MHz Ant1

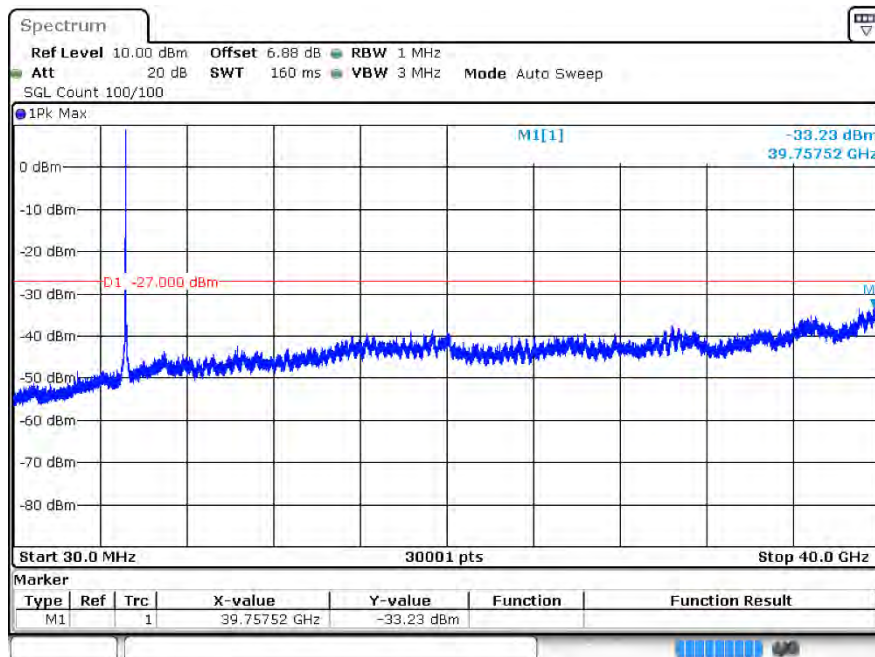


Tx. Spuriousa 5600MHz Ant1

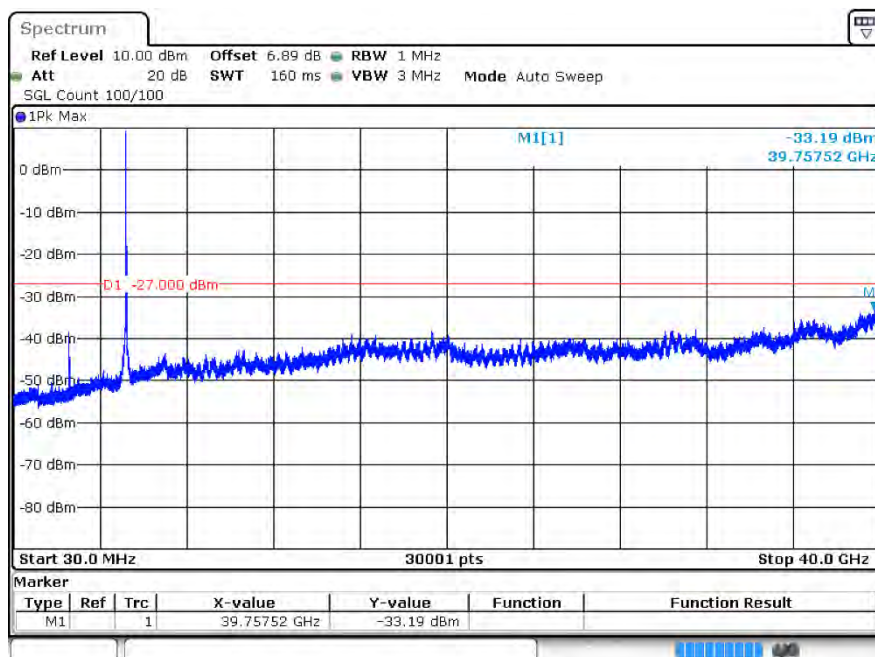




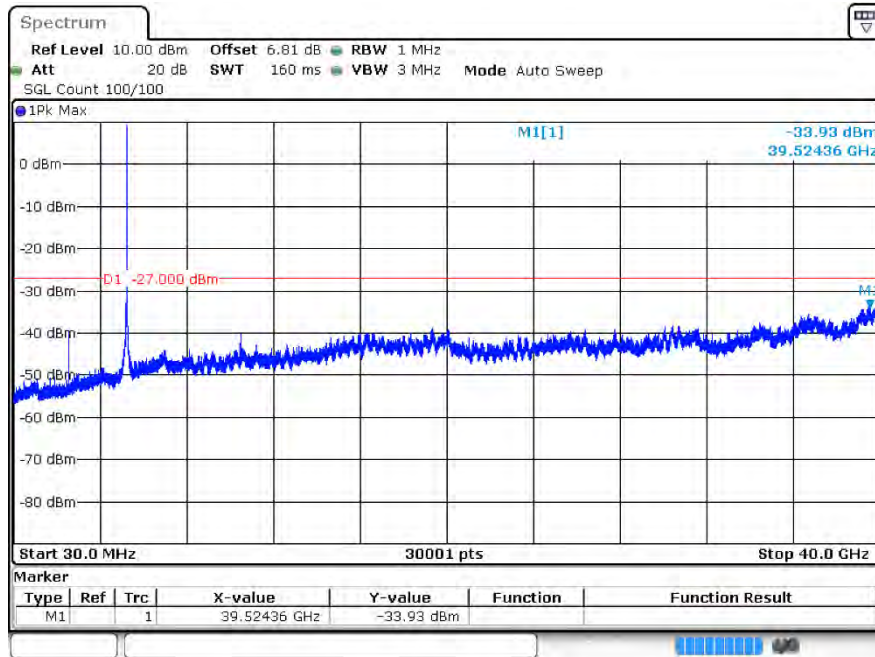
Tx. Spurious n20 5180MHz Ant1



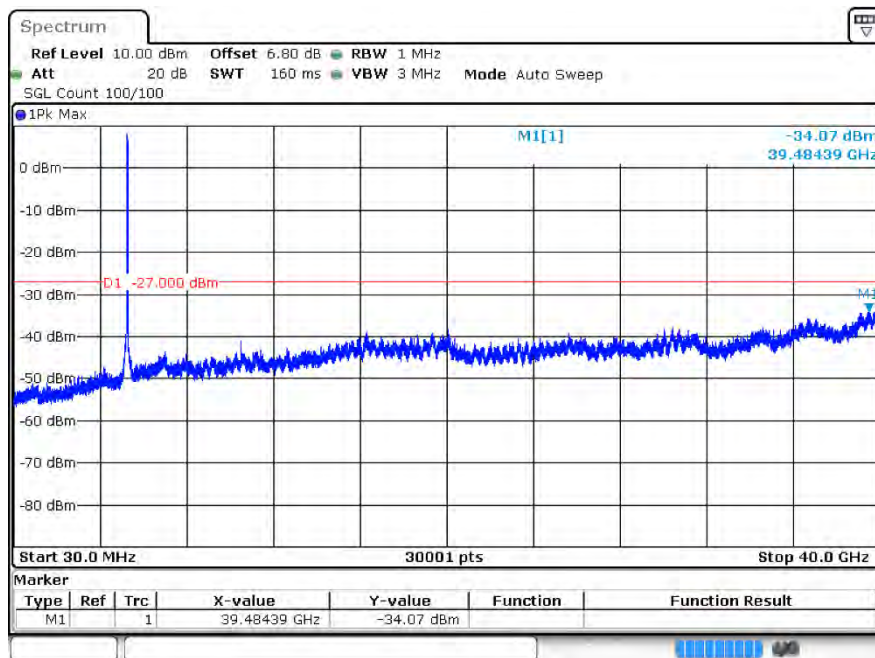
Tx. Spurious n20 5200MHz Ant1



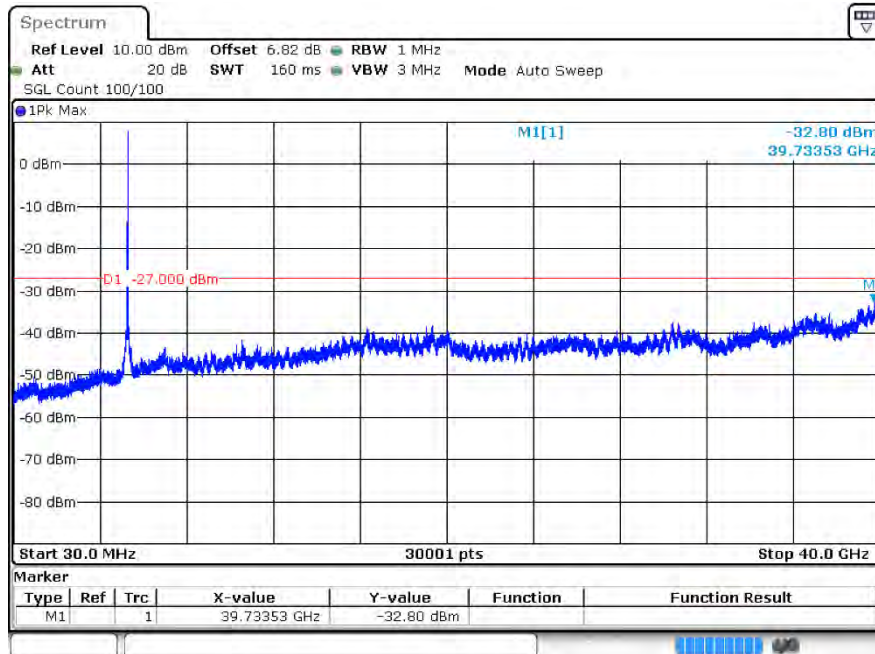
Tx. Spurious n20 5240MHz Ant1



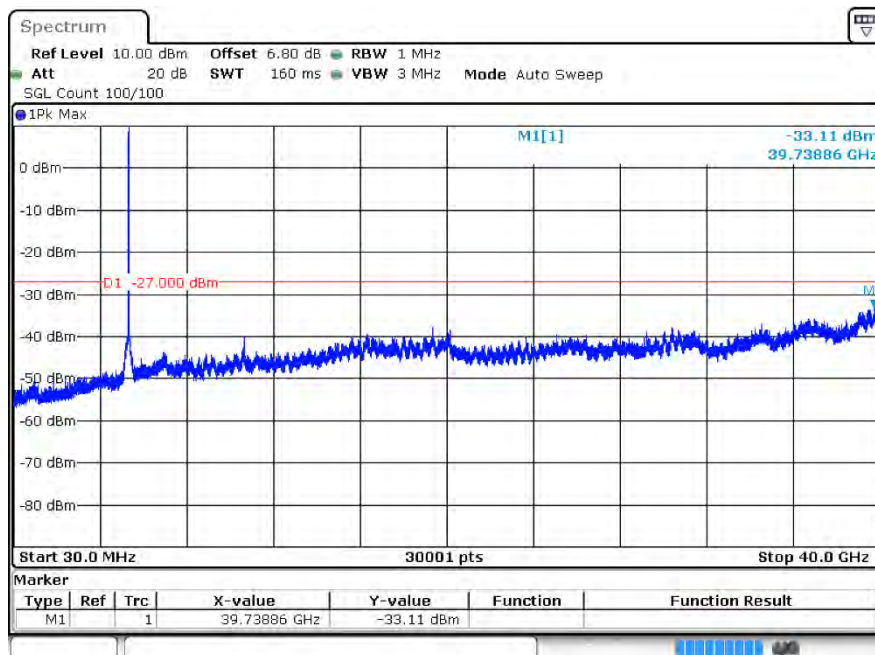
Tx. Spurious n20 5260MHz Ant1



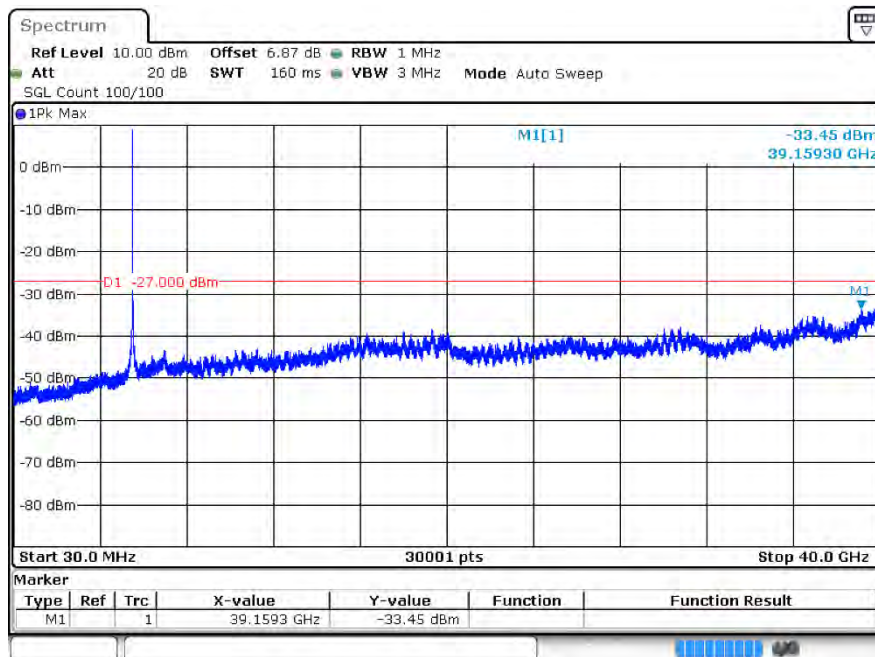
Tx. Spurious n20 5280MHz Ant1



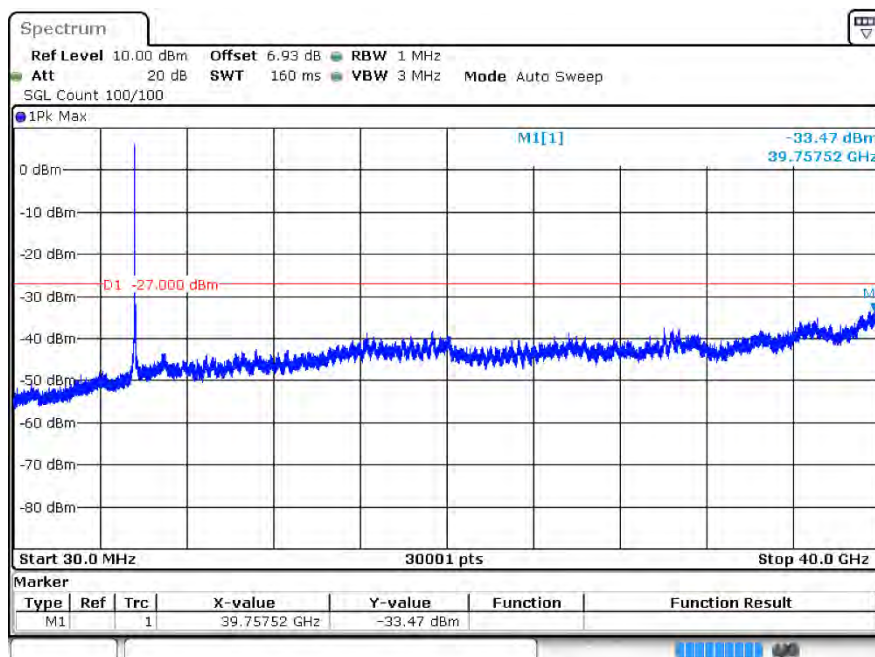
Tx. Spurious n20 5320MHz Ant1

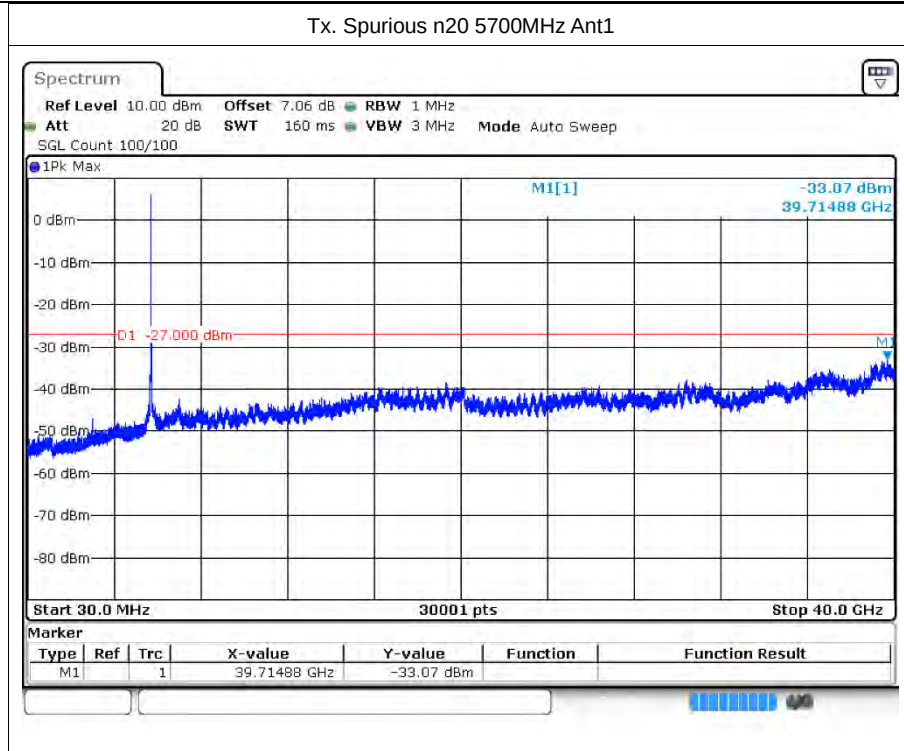


Tx. Spurious n20 5500MHz Ant1

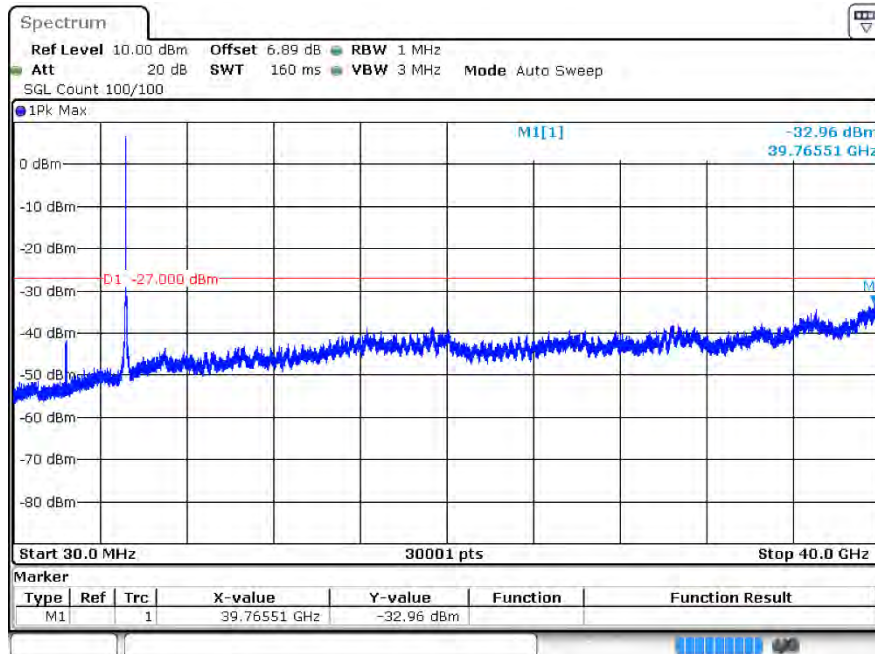


Tx. Spurious n20 5600MHz Ant1

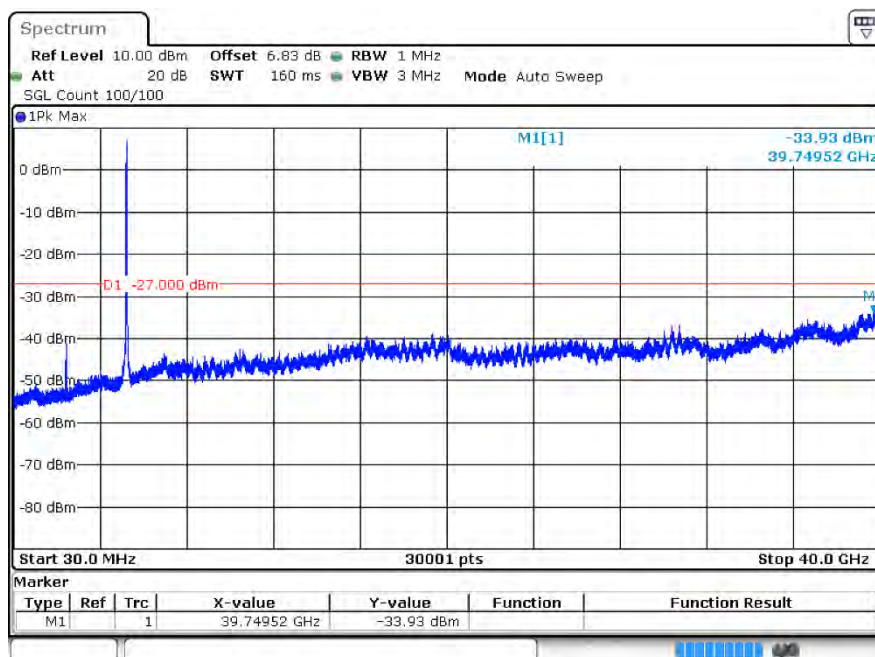




Tx. Spuriousn40 5190MHz Ant1

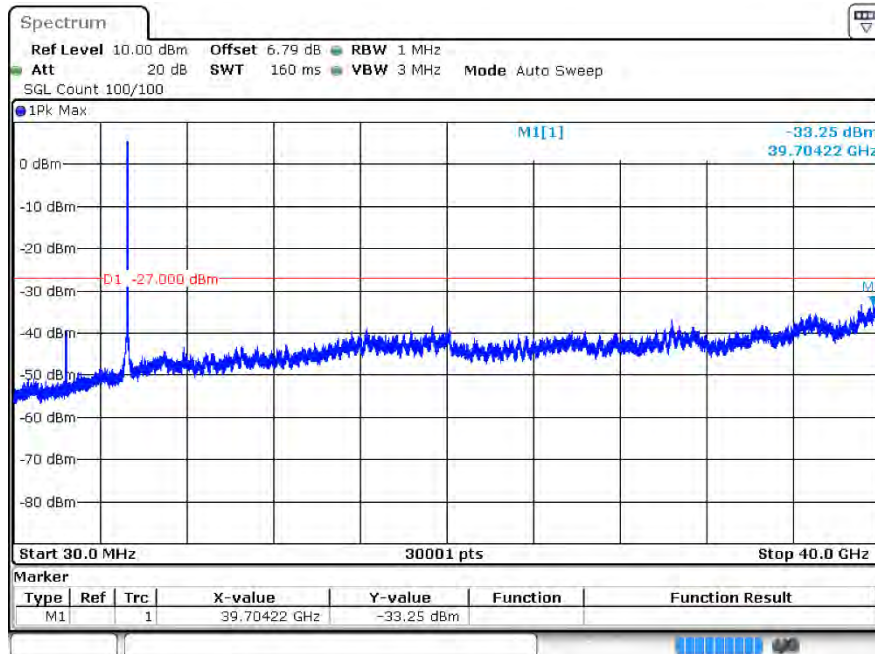


Tx. Spuriousn40 5230MHz Ant1

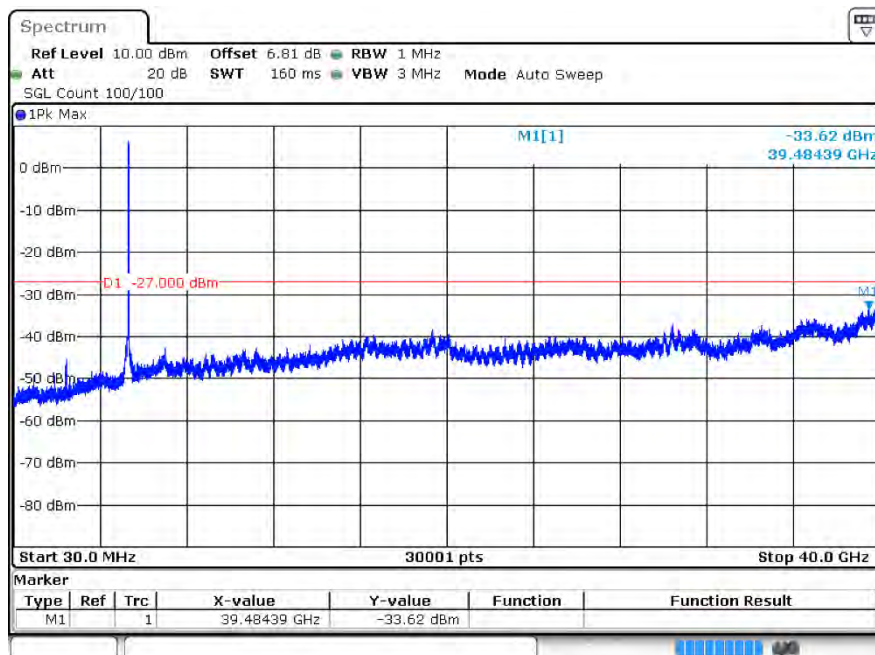




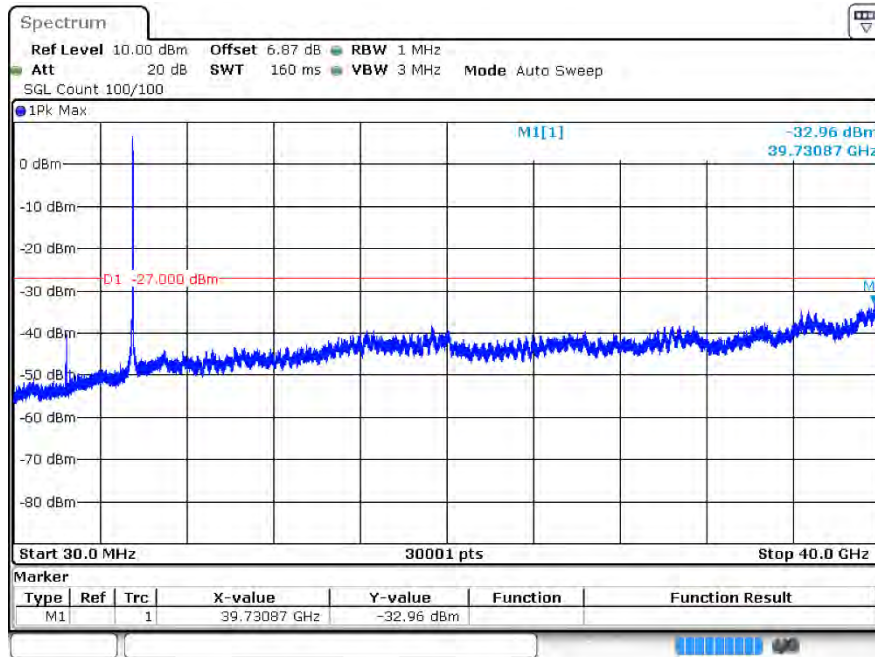
Tx. Spurious n40 5270MHz Ant1



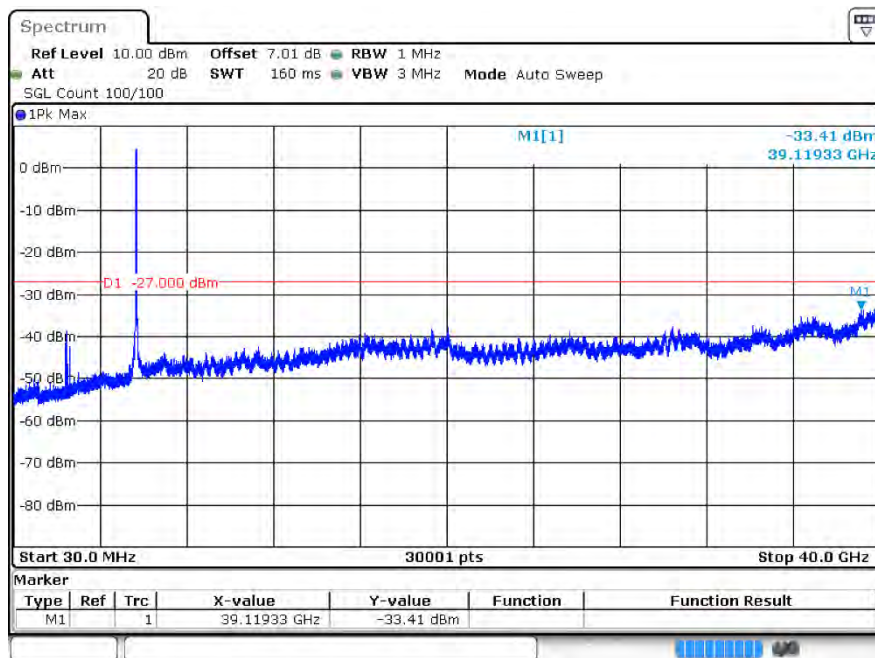
Tx. Spurious n40 5310MHz Ant1



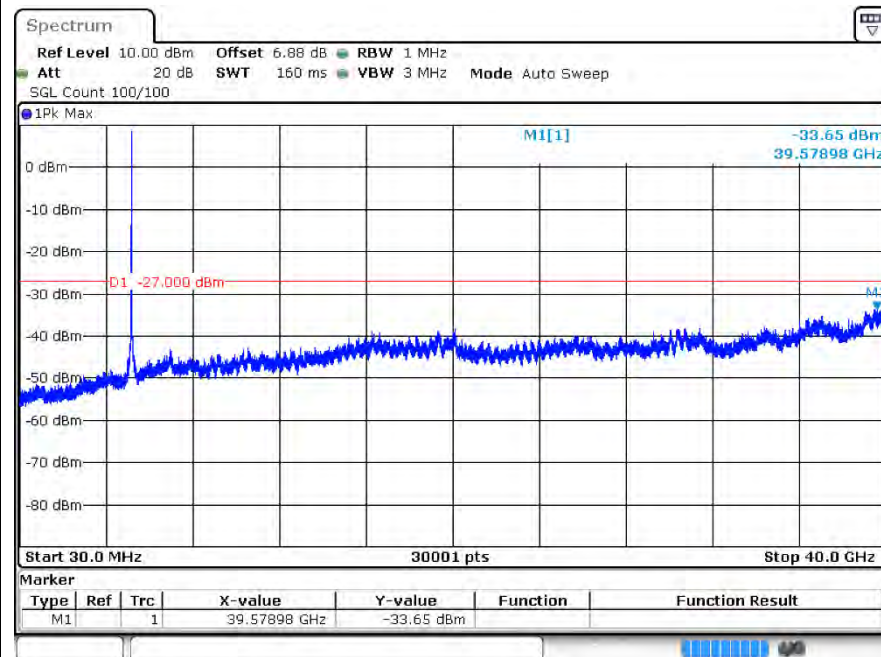
Tx. Spuriousn40 5510MHz Ant1



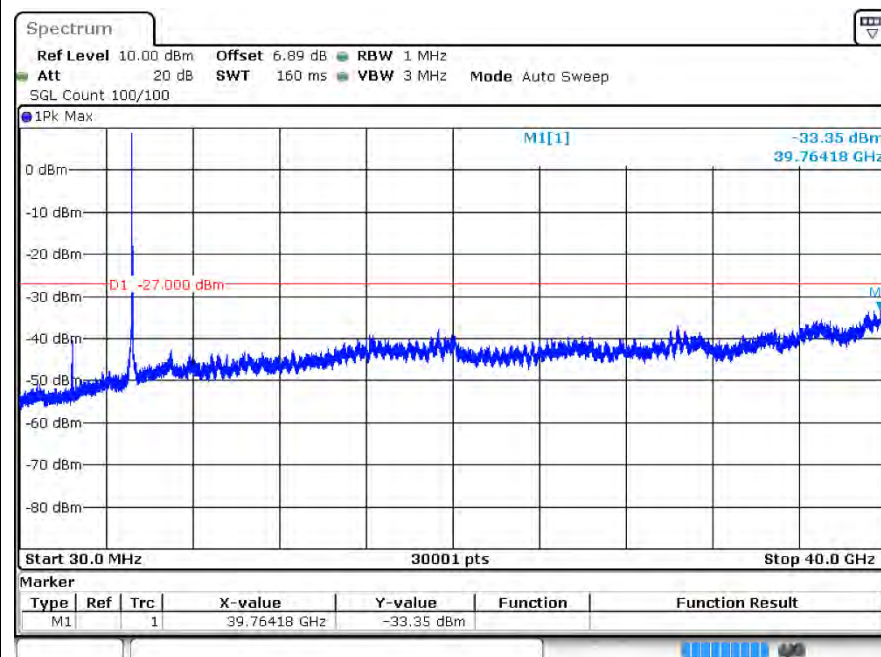
Tx. Spurious n40 5670MHz Ant1



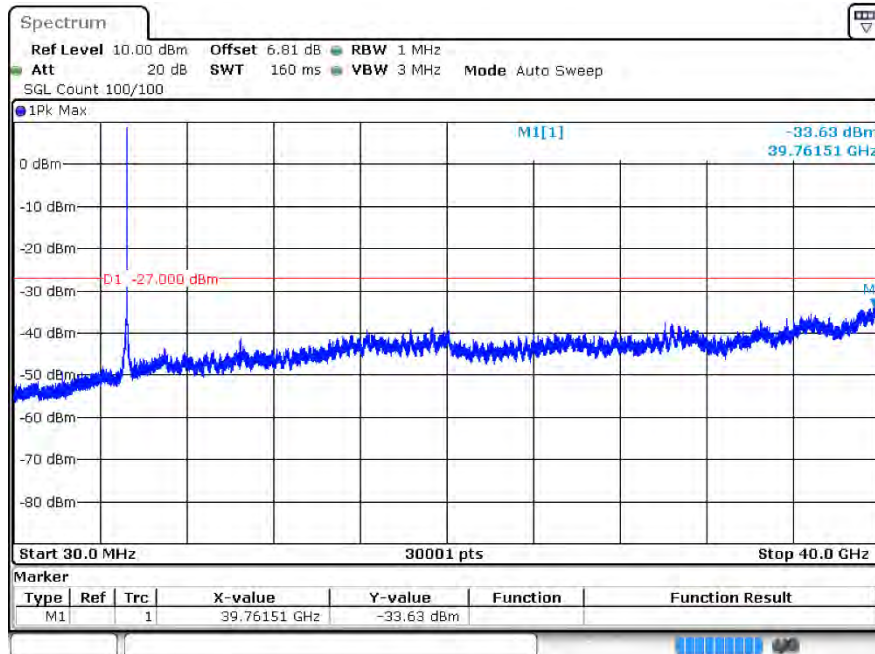
Tx. Spurious ac20 5180MHz Ant1



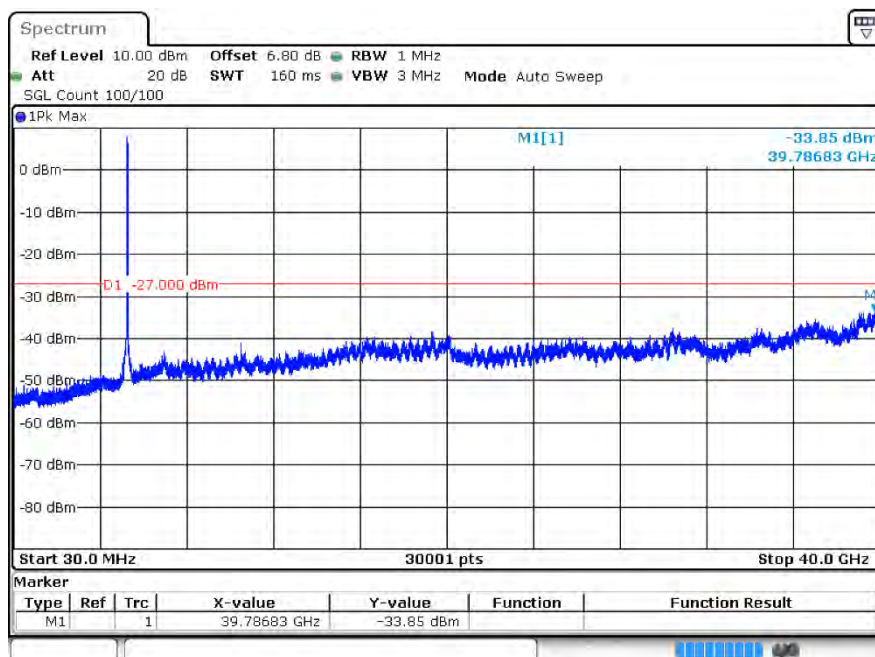
Tx. Spurious ac20 5200MHz Ant1



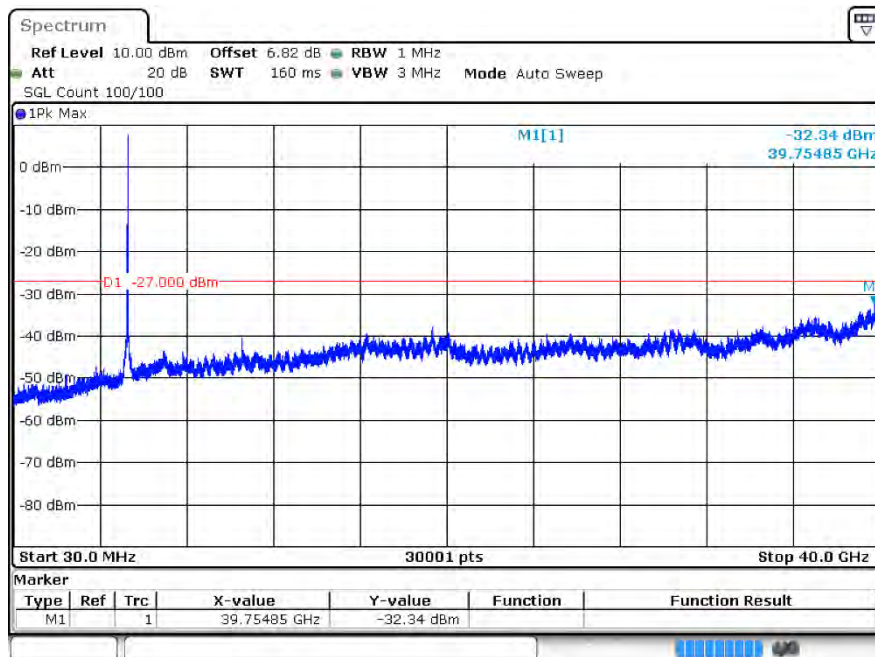
Tx. Spurious ac20 5240MHz Ant1



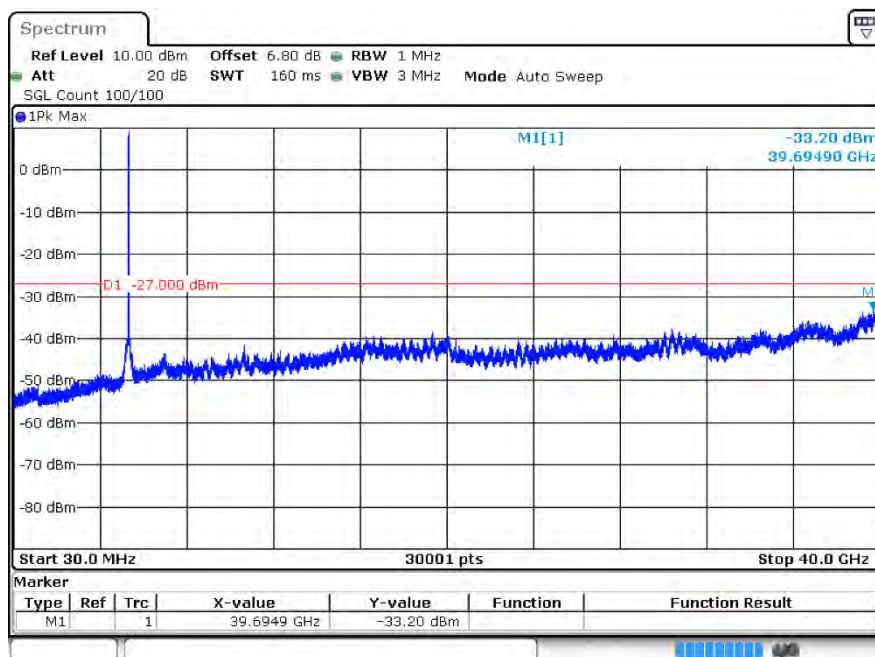
Tx. Spurious ac20 5260MHz Ant1



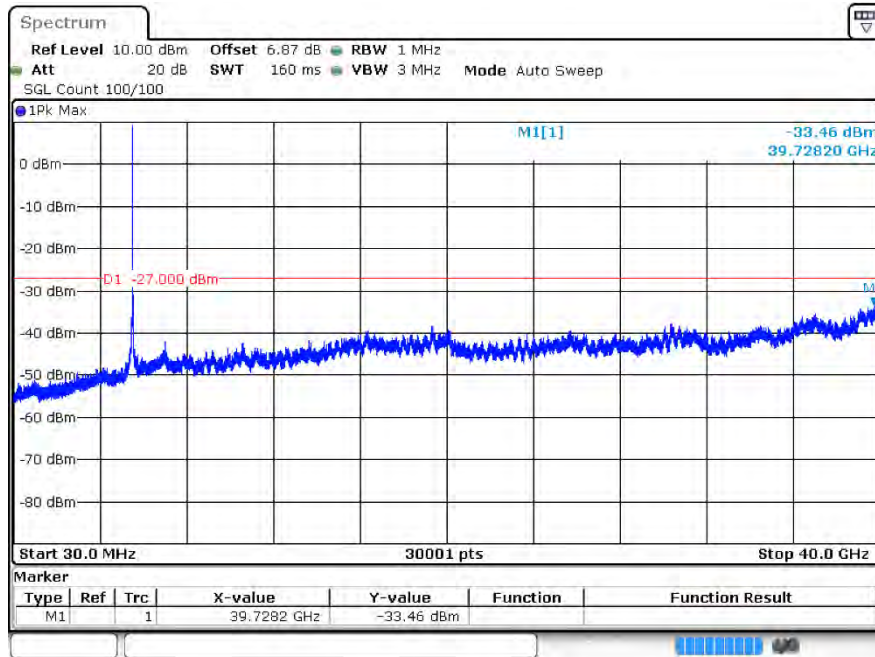
Tx. Spurious ac20 5280MHz Ant1



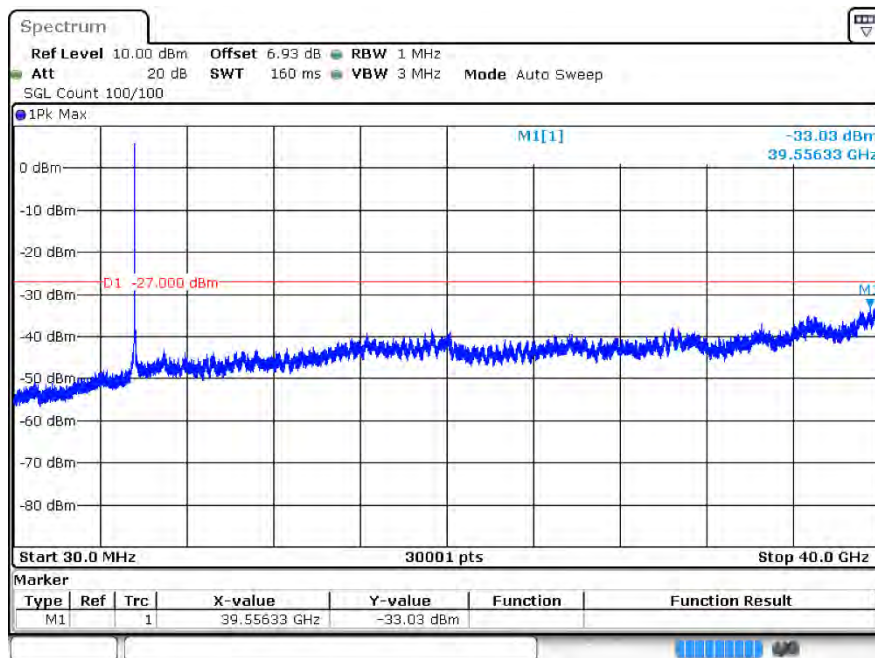
Tx. Spurious ac20 5320MHz Ant1

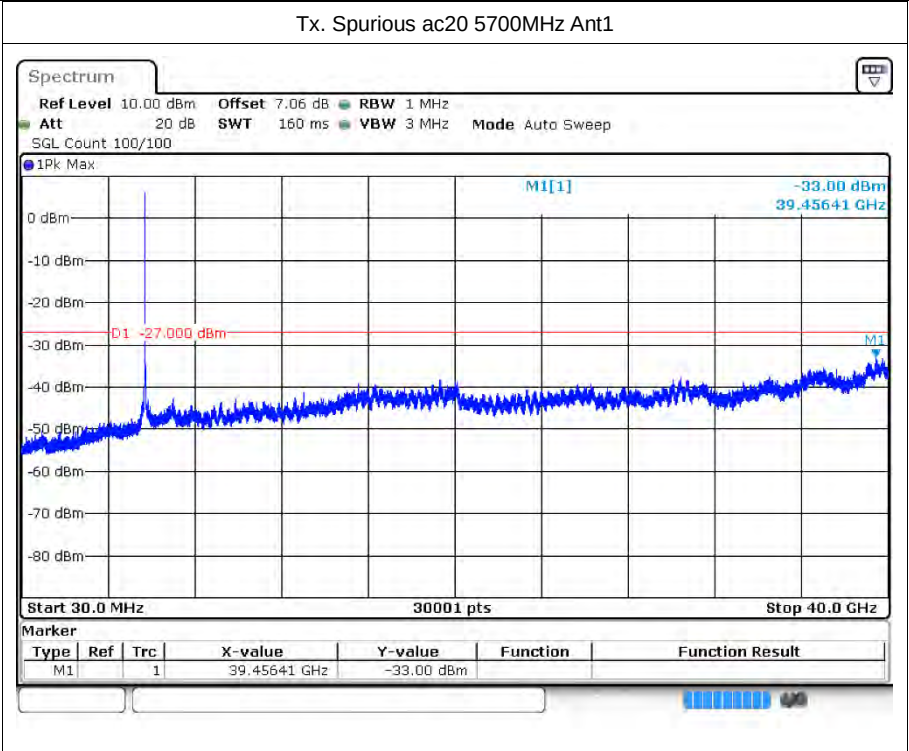


Tx. Spurious ac20 5500MHz Ant1

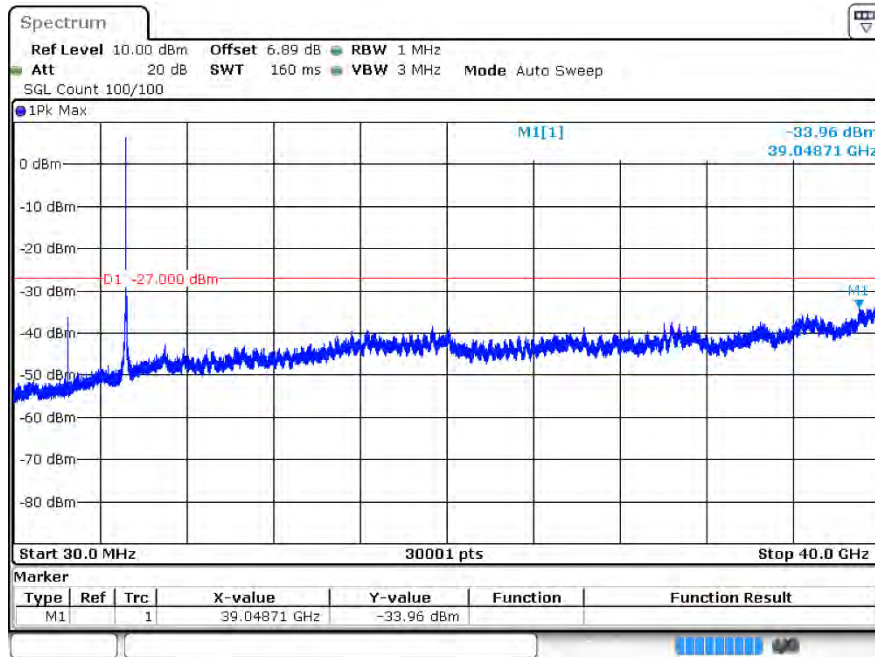


Tx. Spurious ac20 5600MHz Ant1

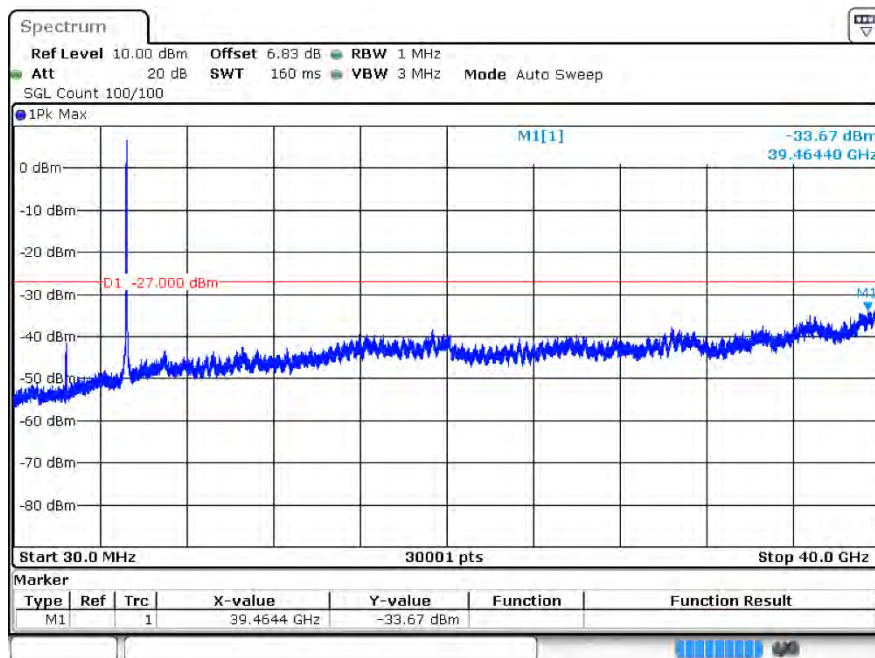




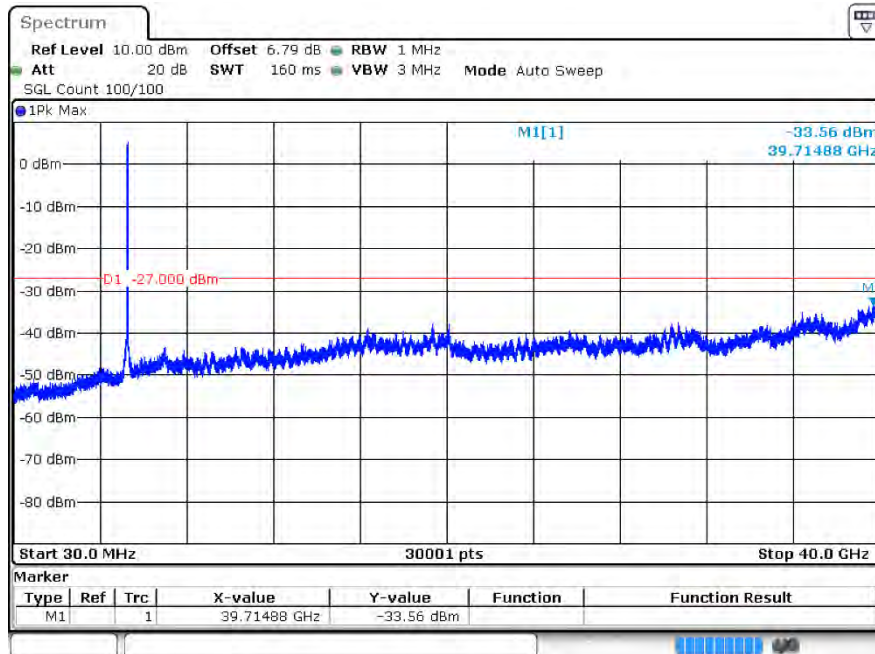
Tx. Spuriousac40 5190MHz Ant1



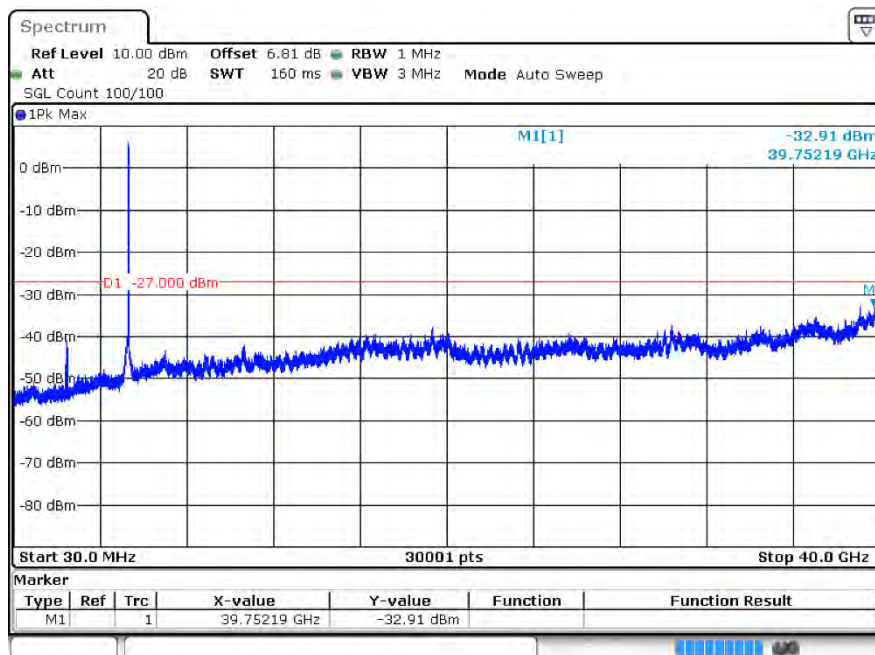
Tx. Spuriousac40 5230MHz Ant1



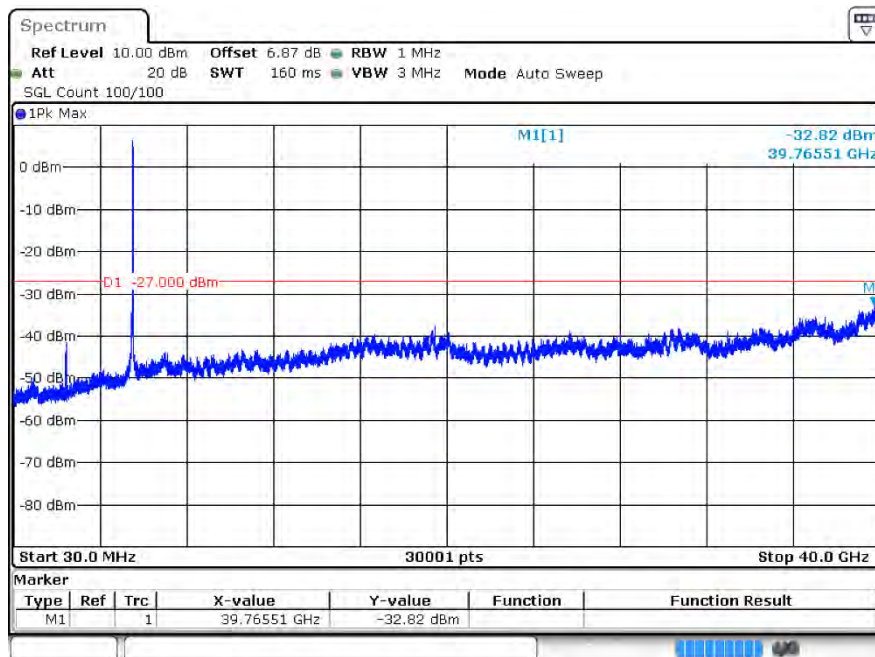
Tx. Spurious ac40 5270MHz Ant1



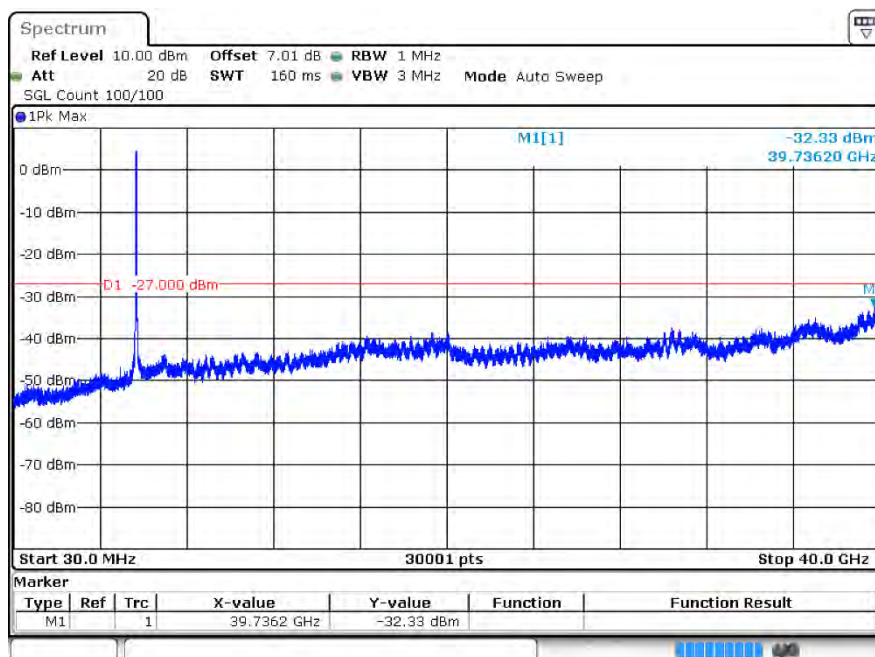
Tx. Spurious ac40 5310MHz Ant1



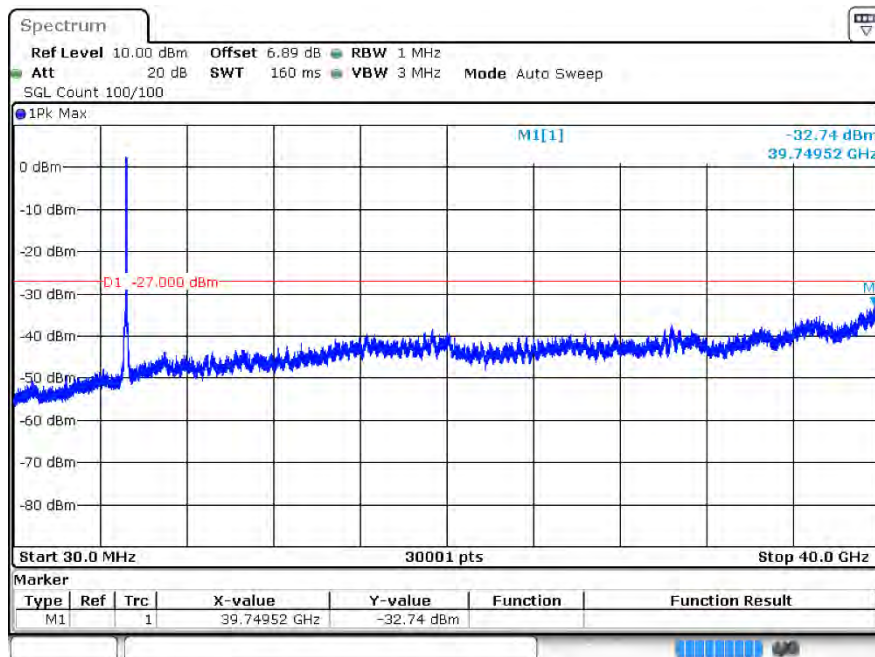
Tx. Spuriousac40 5510MHz Ant1



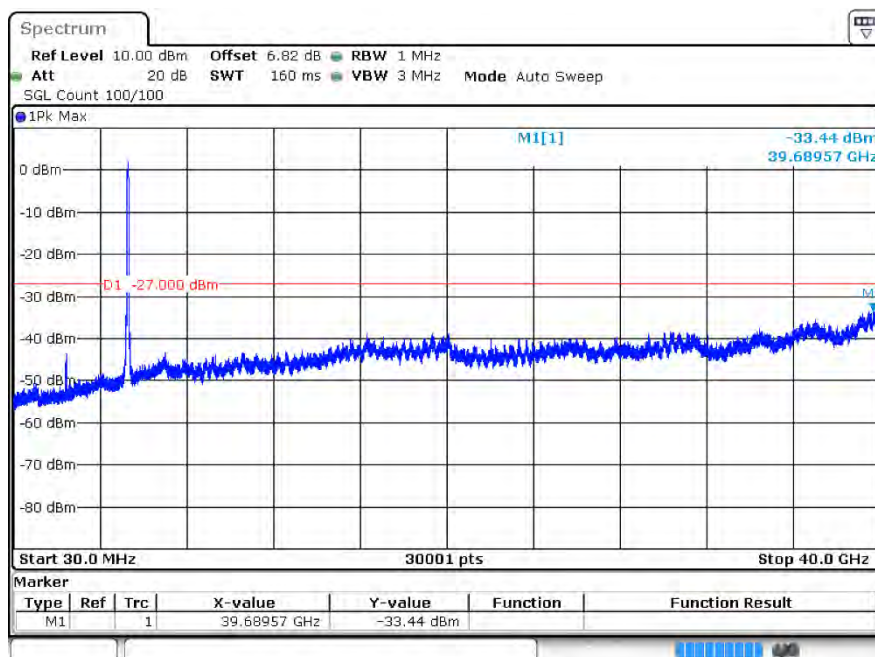
Tx. Spurious ac40 5670MHz Ant1



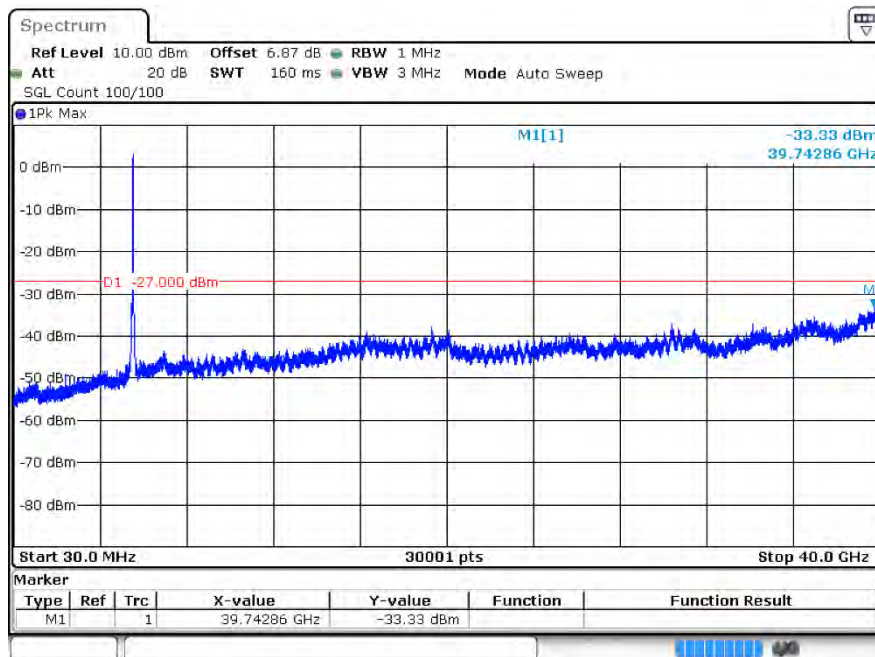
Tx. Spuriousac80 5210MHz Ant1



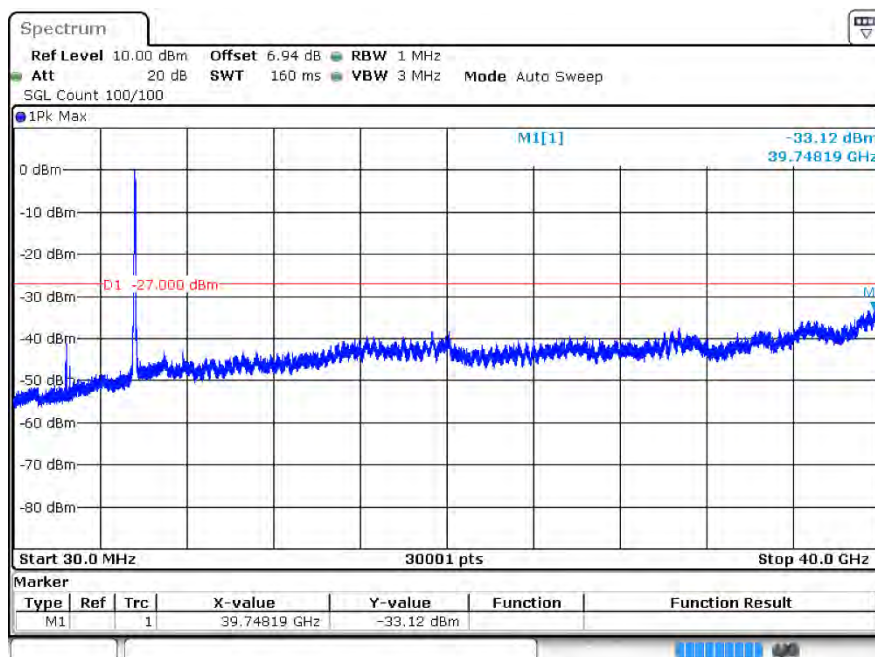
Tx. Spuriousac80 5290MHz Ant1



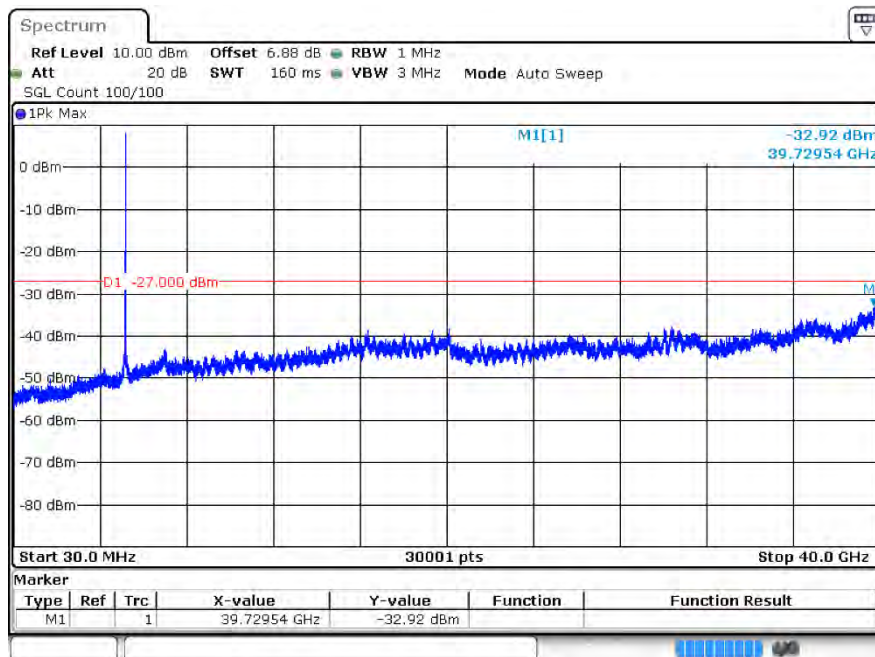
Tx. Spurious ac80 5530MHz Ant1



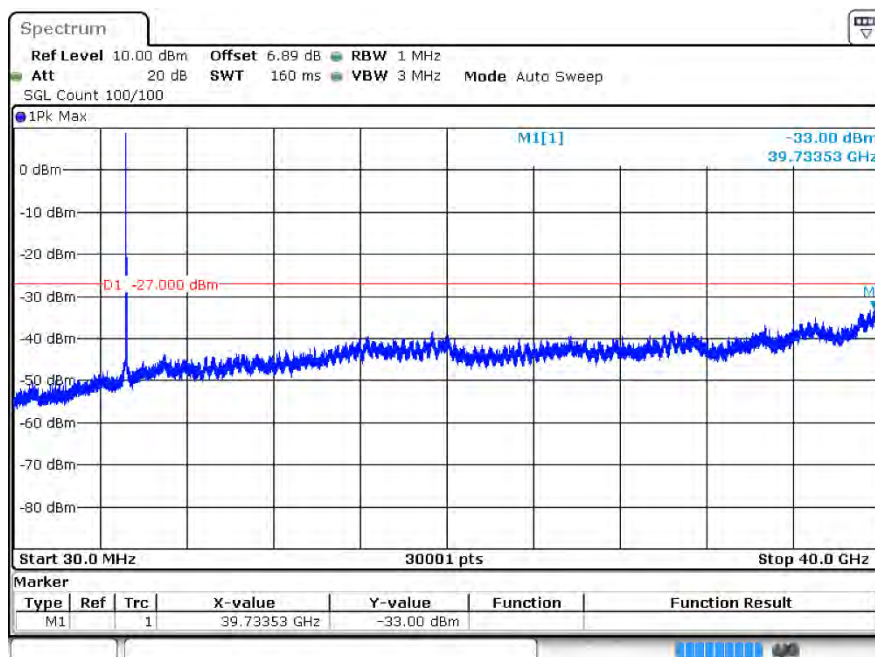
Tx. Spuriousac80 5610MHz Ant1



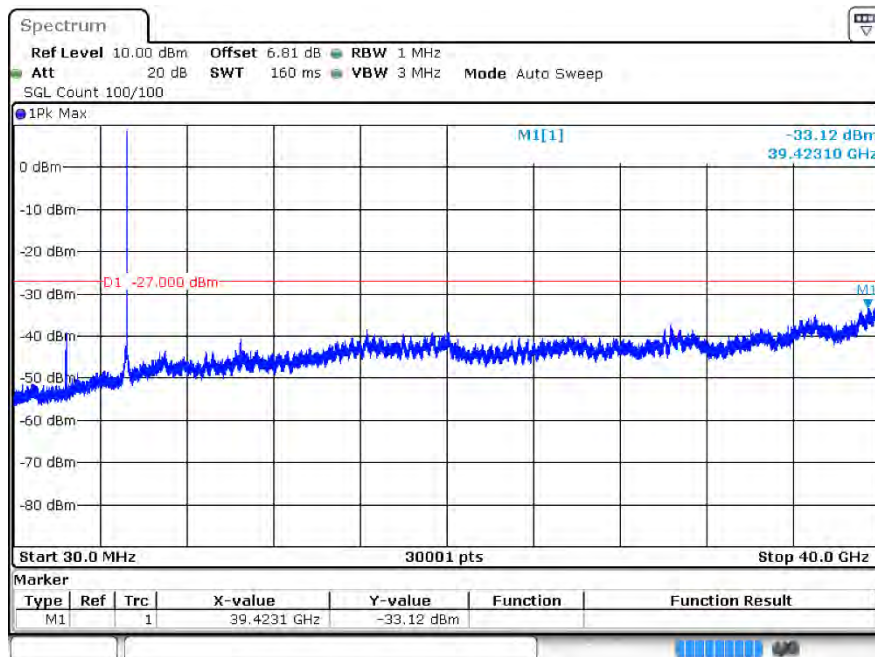
Tx. Spurious ax20 5180MHz Ant1



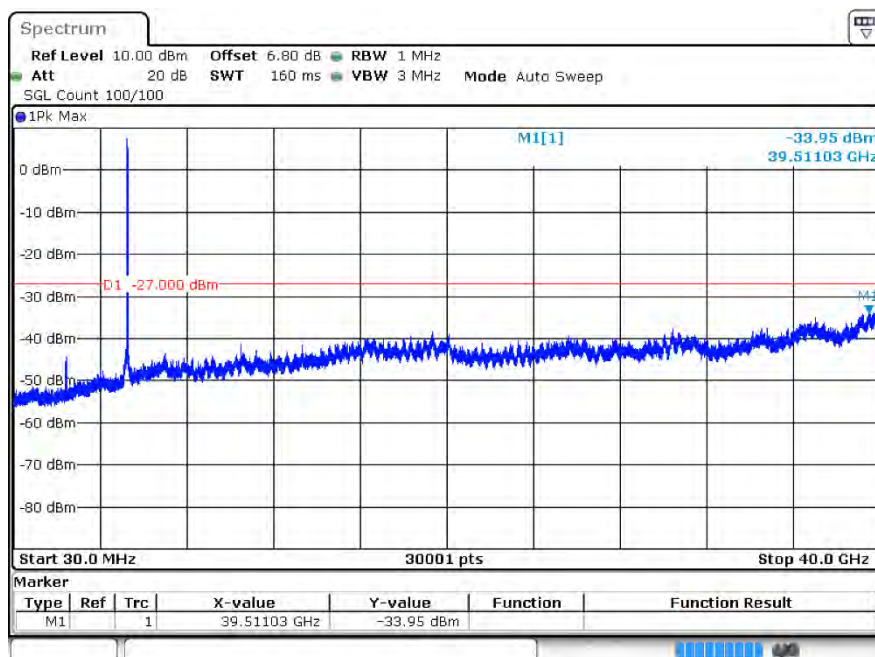
Tx. Spurious ax20 5200MHz Ant1



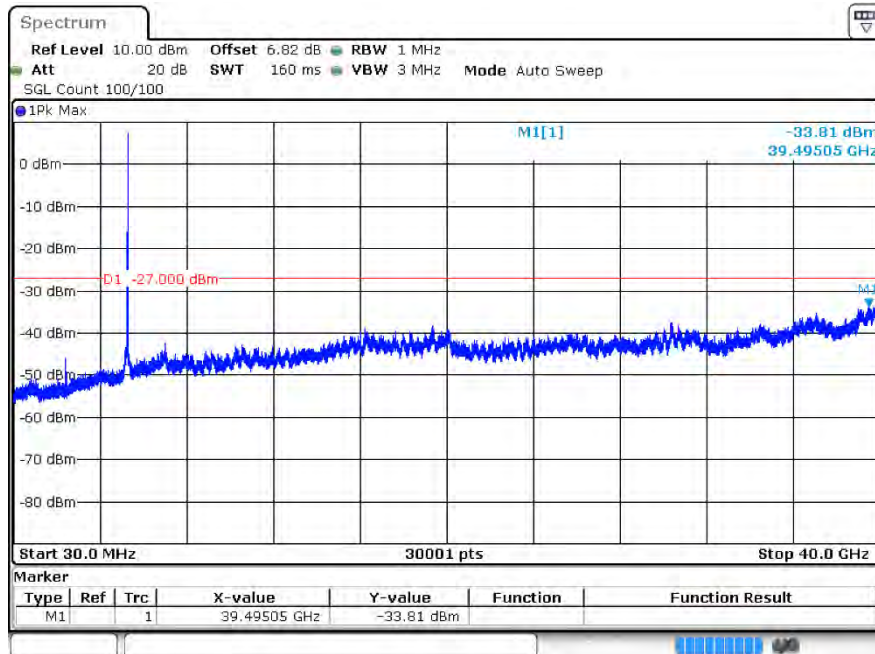
Tx. Spurious ax20 5240MHz Ant1



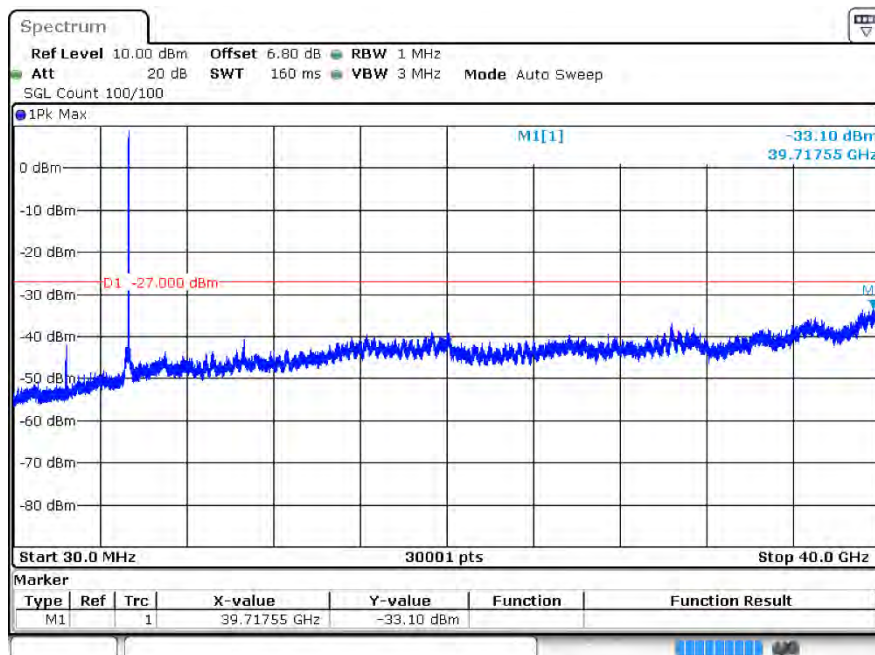
Tx. Spurious ax20 5260MHz Ant1



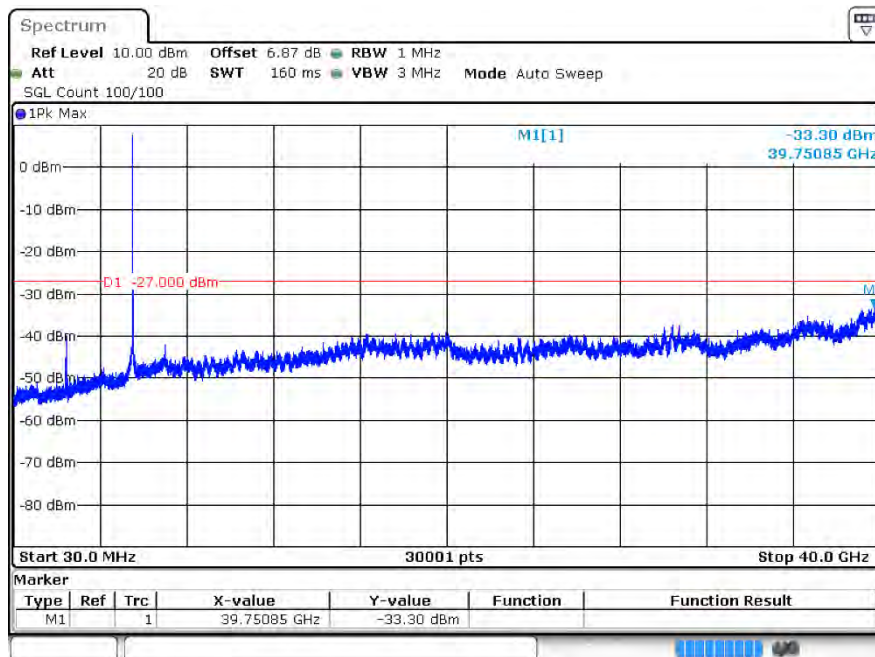
Tx. Spurious ax20 5280MHz Ant1



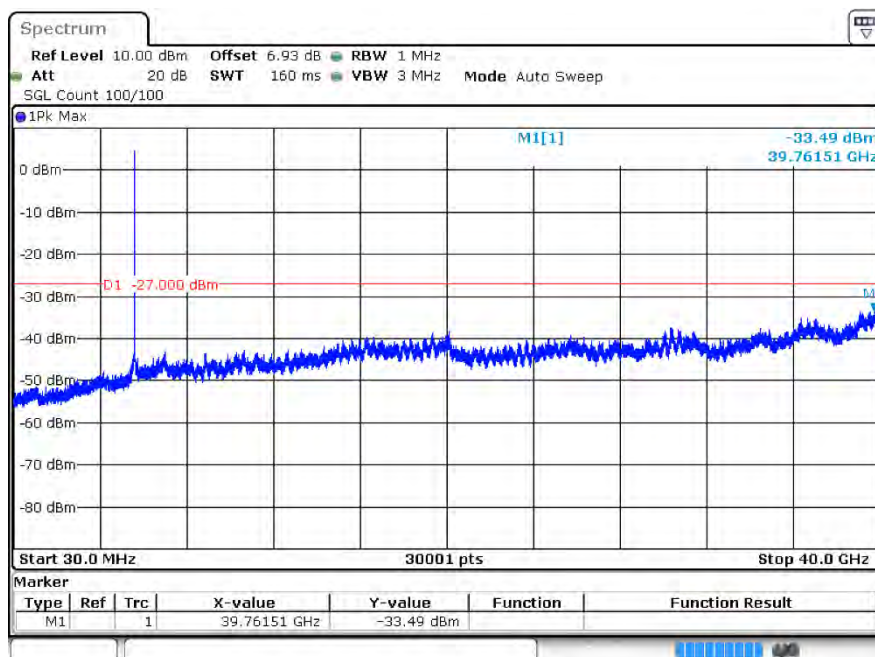
Tx. Spurious ax20 5320MHz Ant1

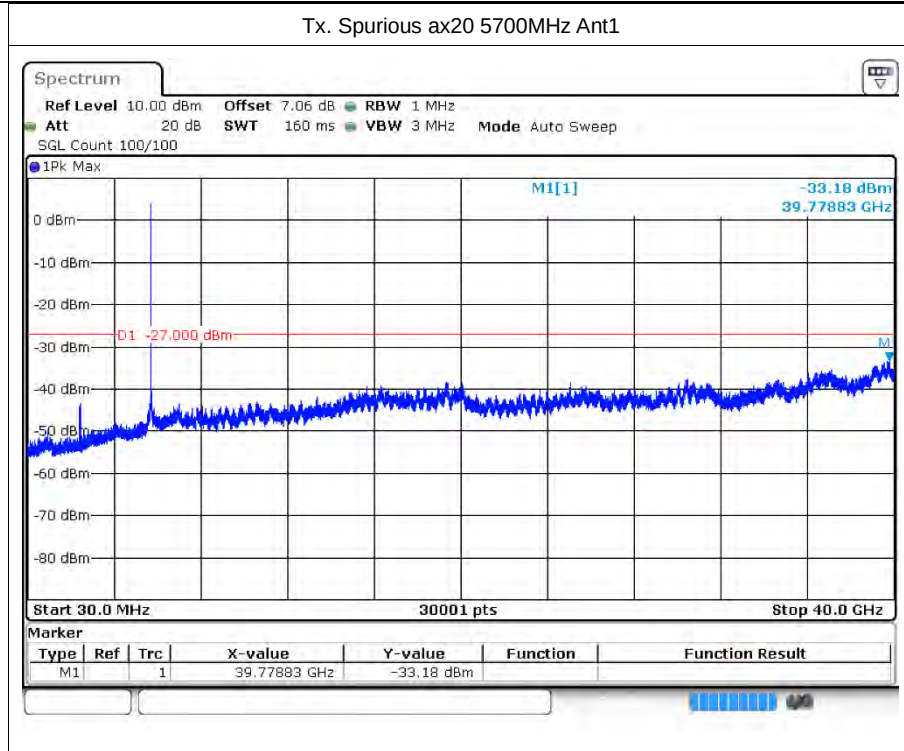


Tx. Spurious ax20 5500MHz Ant1

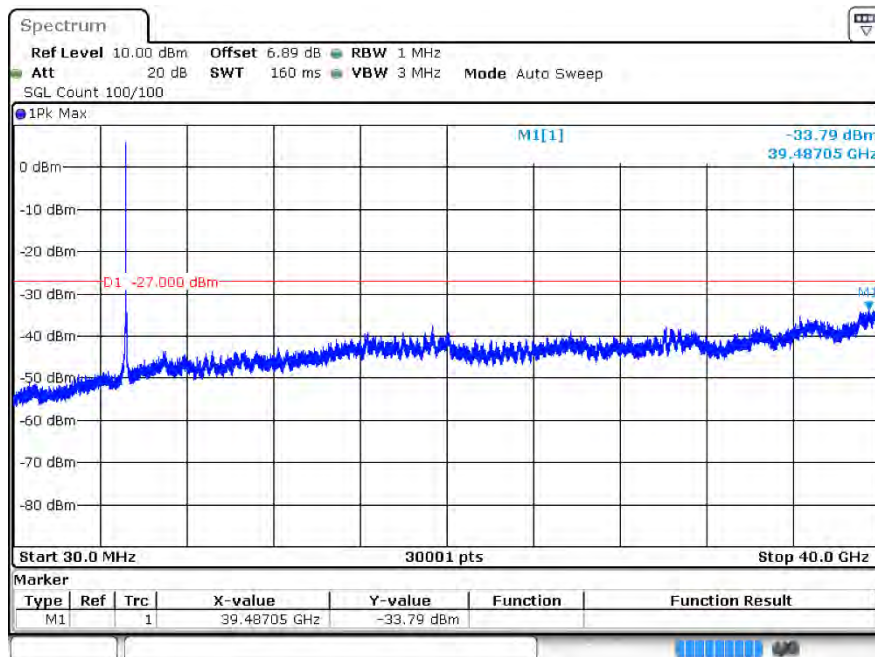


Tx. Spurious ax20 5600MHz Ant1

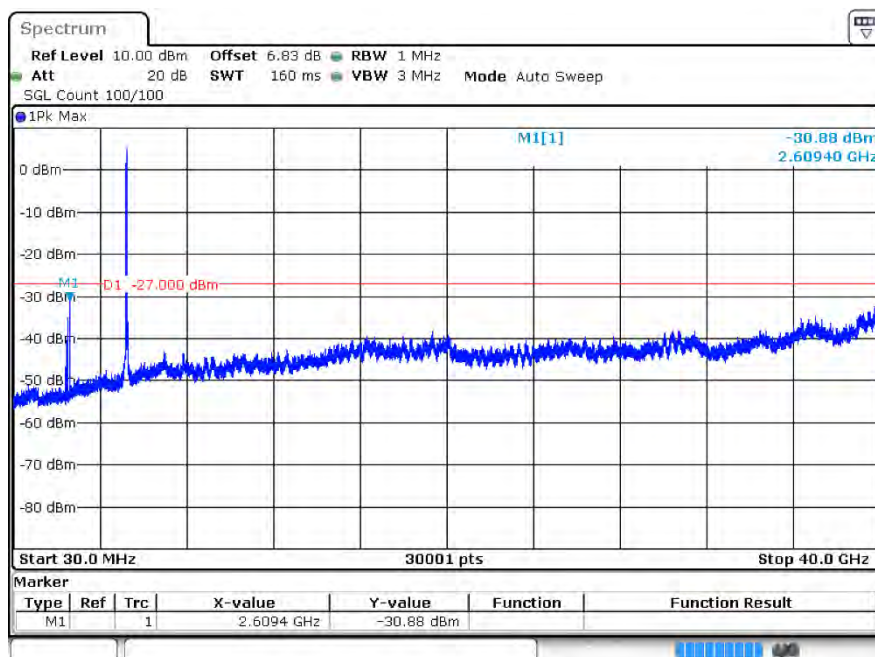




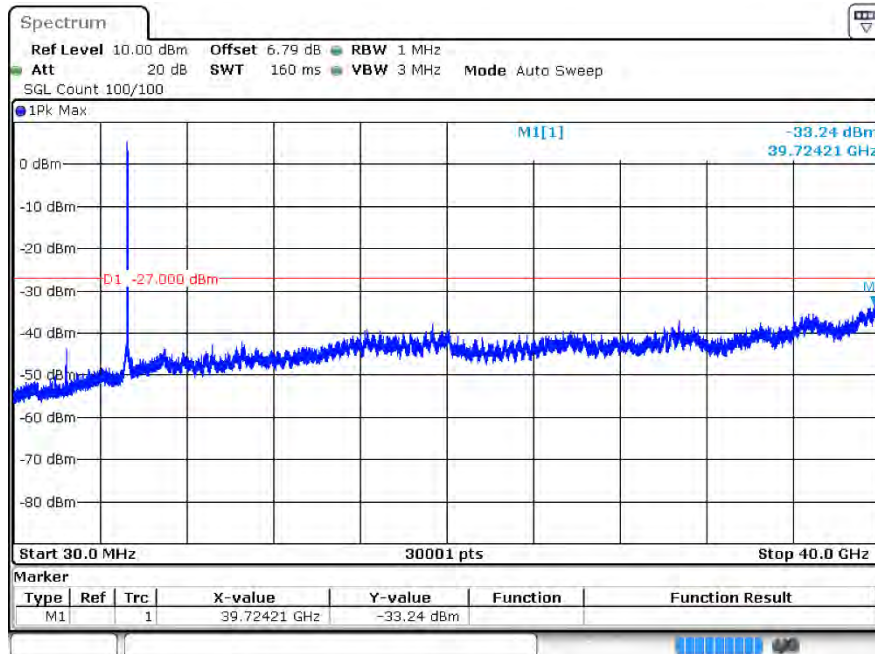
Tx. Spuriousax40 5190MHz Ant1



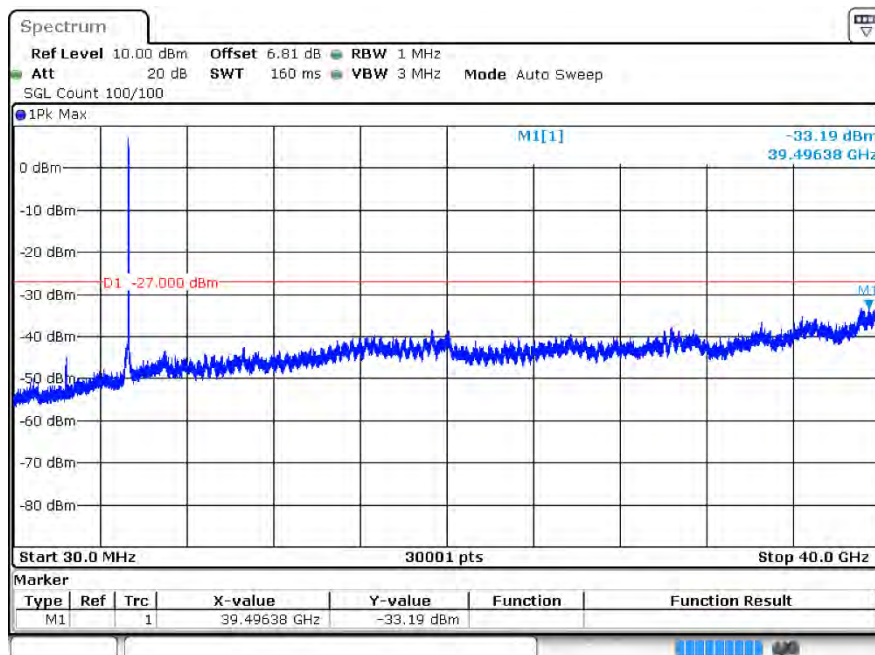
Tx. Spuriousax40 5230MHz Ant1



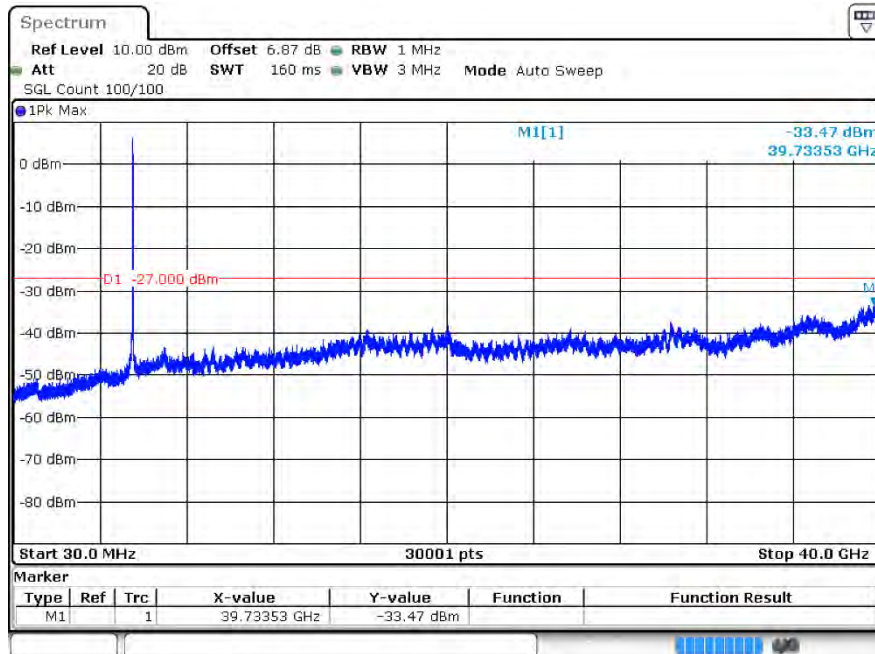
Tx. Spurious ax40 5270MHz Ant1



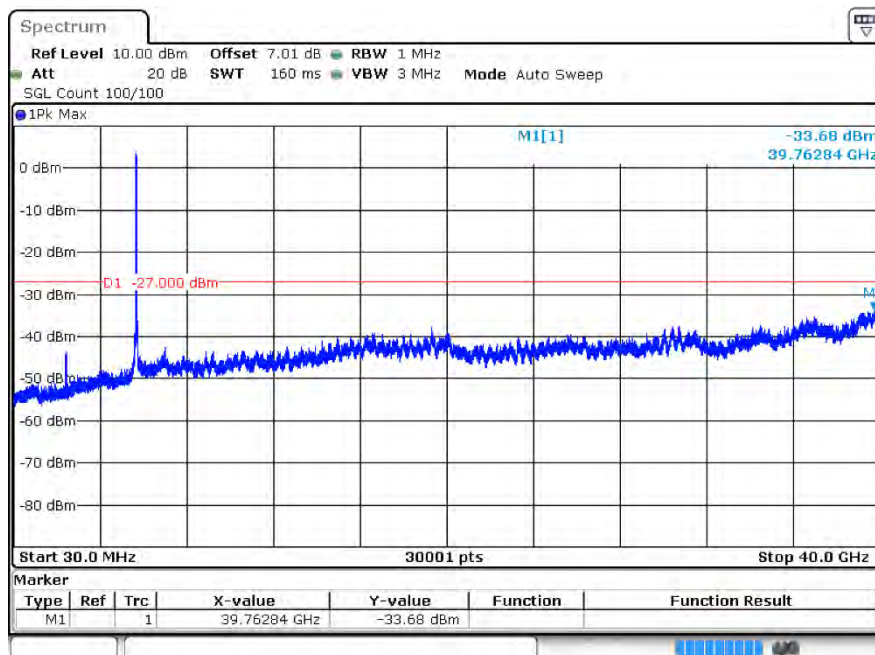
Tx. Spurious ax40 5310MHz Ant1



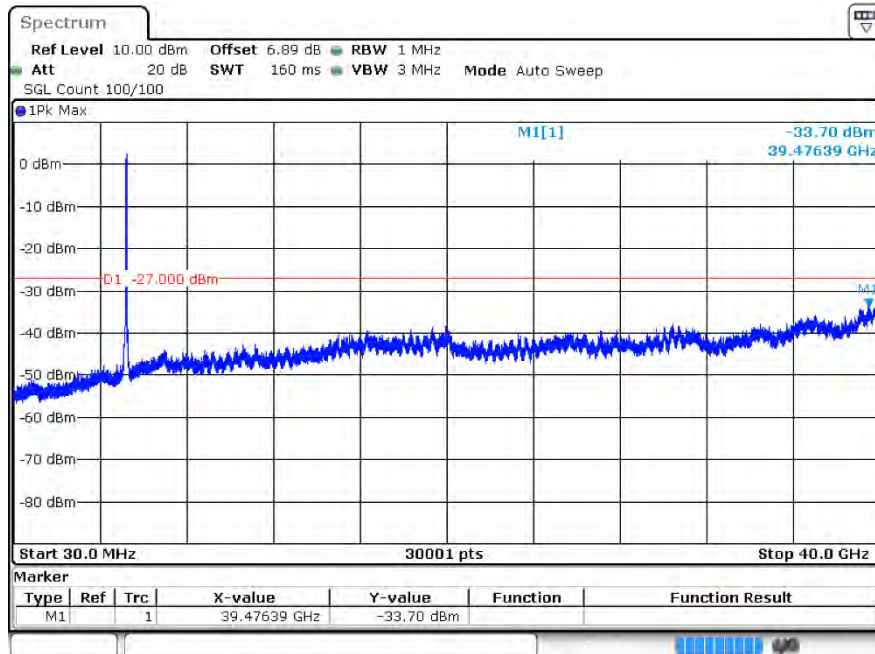
Tx. Spurious ax40 5510MHz Ant1



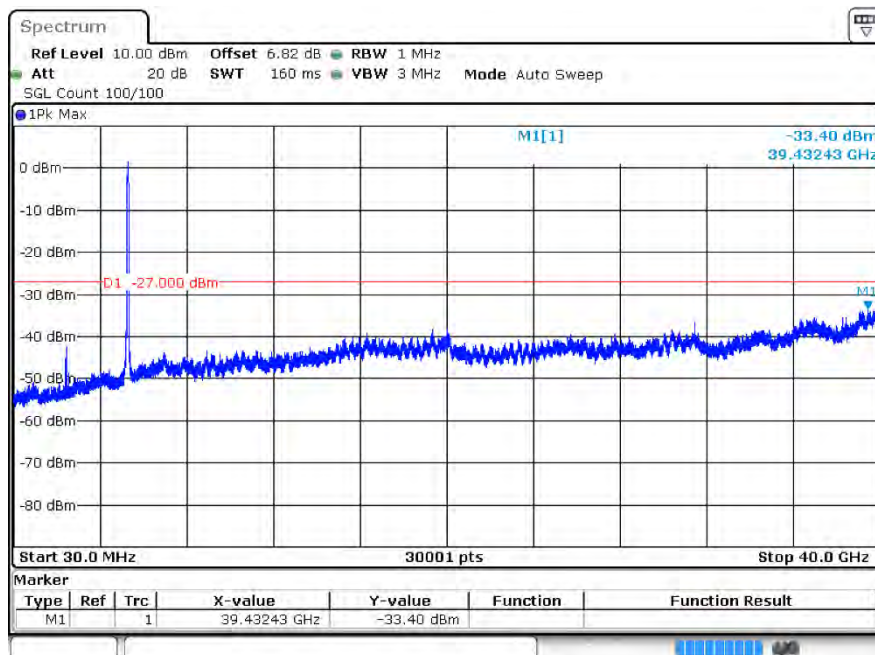
Tx. Spurious ax40 5670MHz Ant1



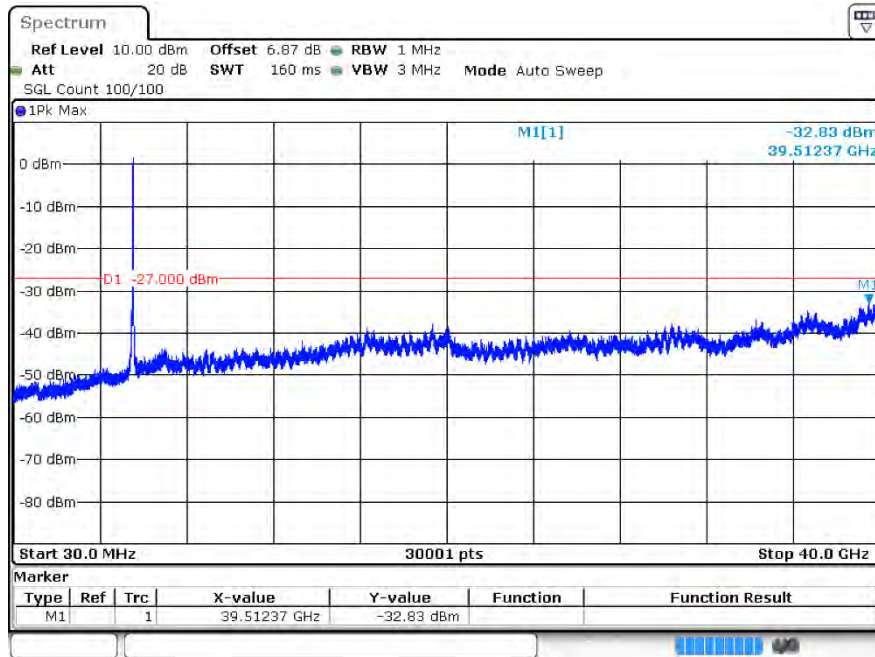
Tx. Spuriousax80 5210MHz Ant1



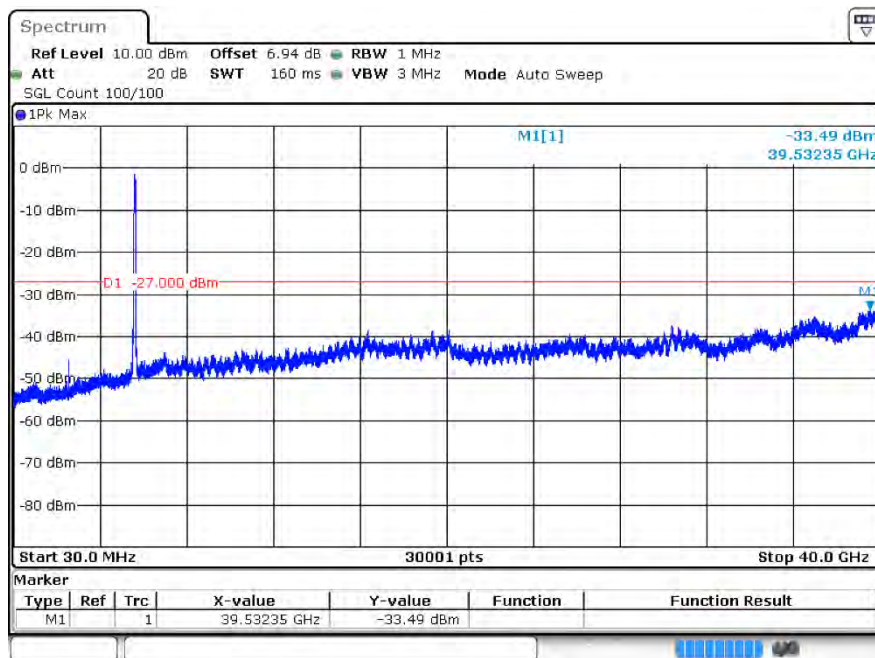
Tx. Spuriousax80 5290MHz Ant1



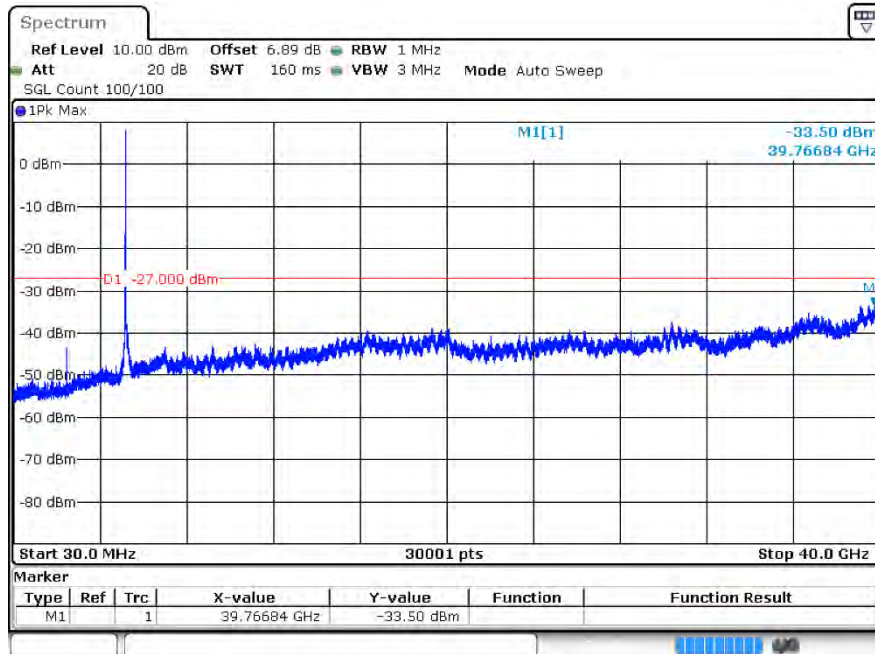
Tx. Spurious ax80 5530MHz Ant1



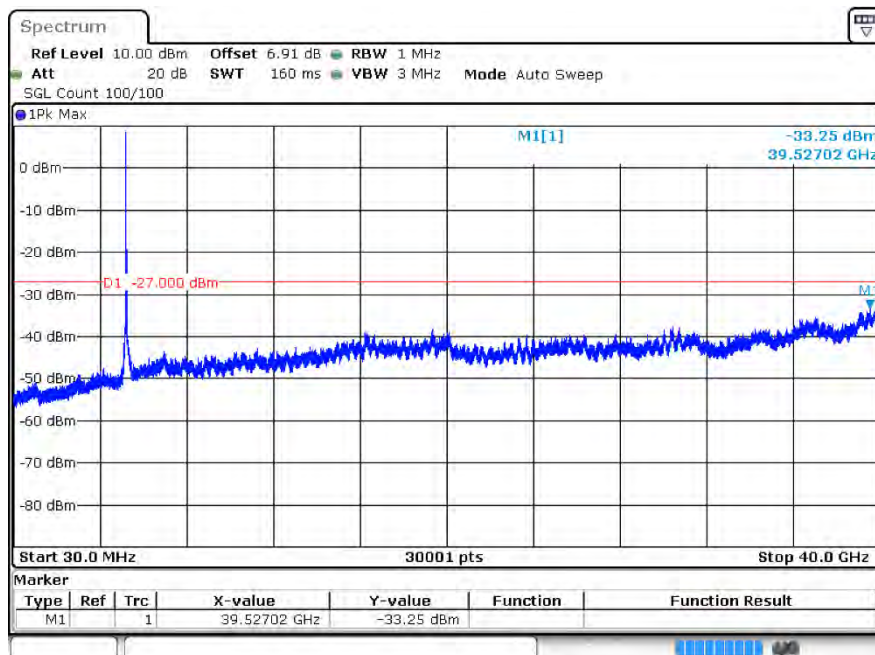
Tx. Spuriousax80 5610MHz Ant1



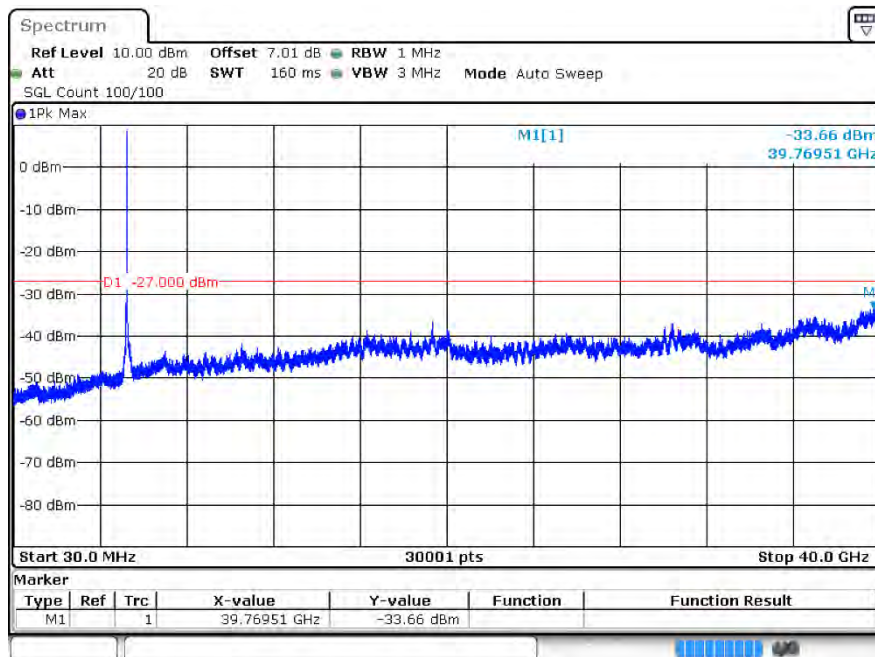
Tx. Spuriousa 5180MHz Ant2



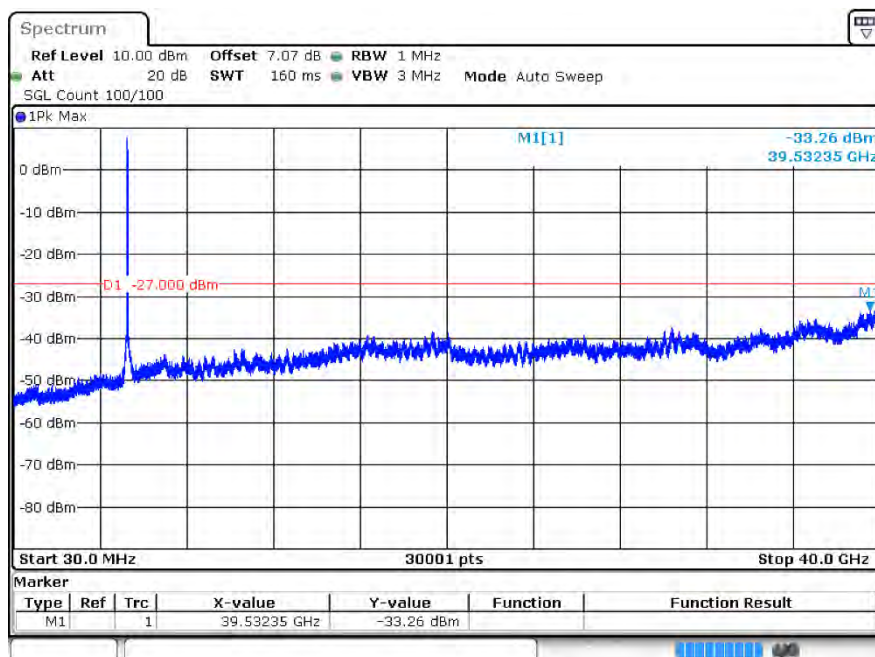
Tx. Spuriousa 5200MHz Ant2



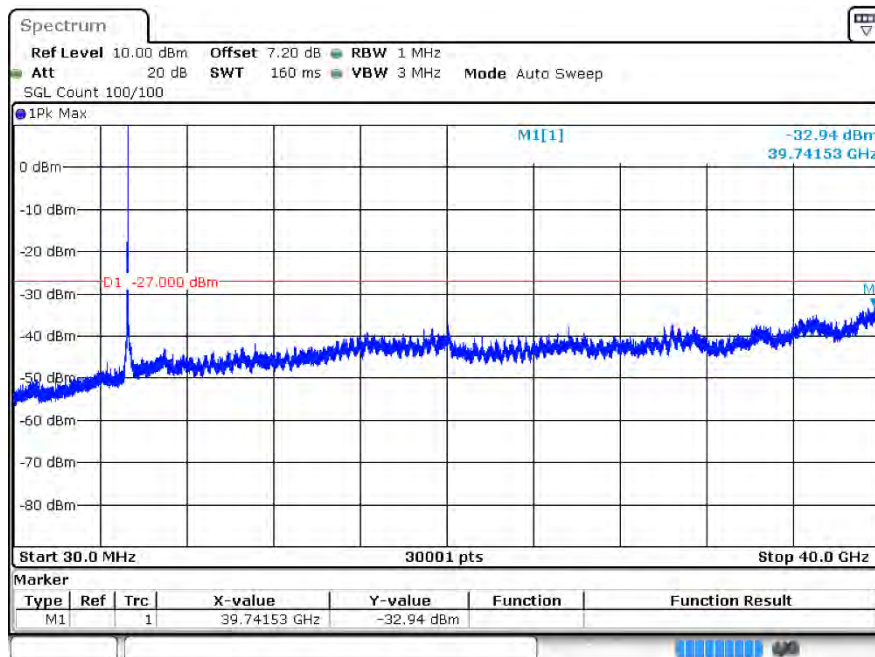
Tx. Spuriousa 5240MHz Ant2



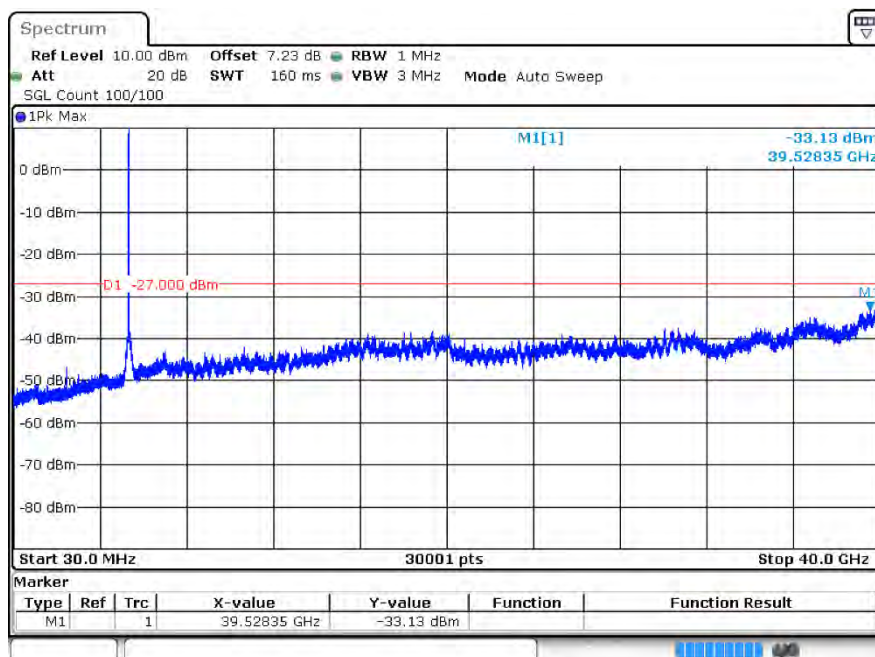
Tx. Spuriousa 5260MHz Ant2



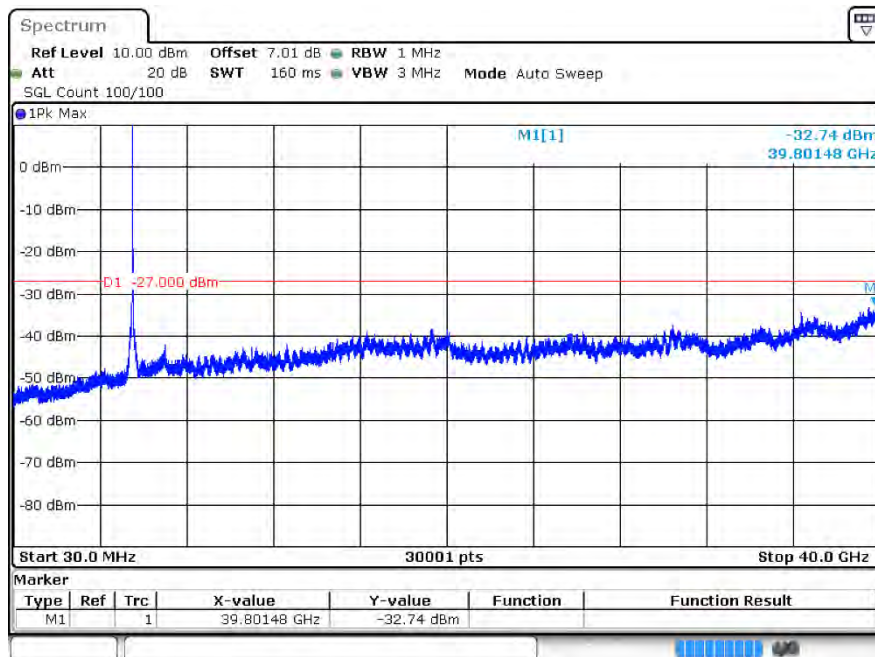
Tx. Spurious 5280MHz Ant2



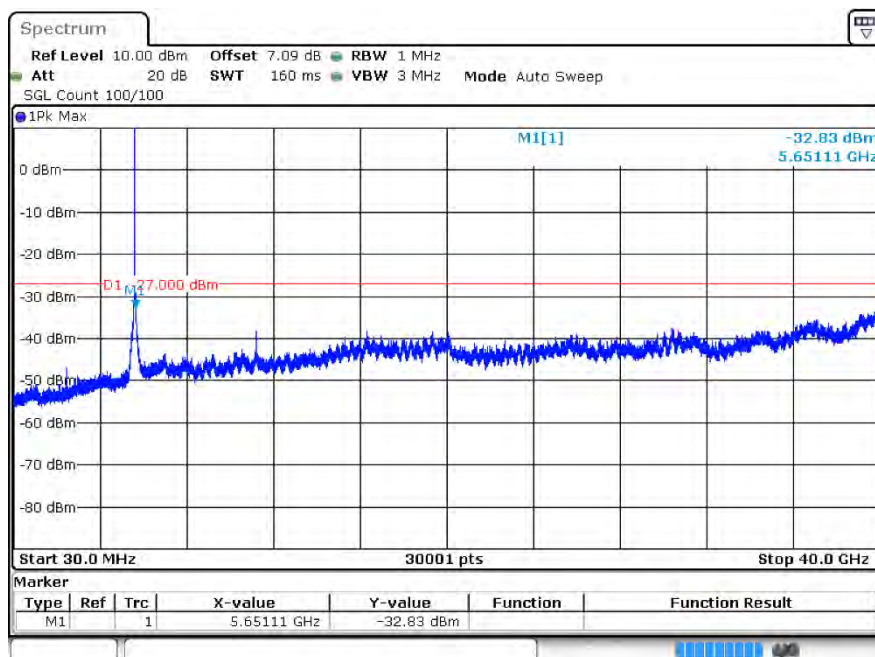
Tx. Spurious a 5320MHz Ant2

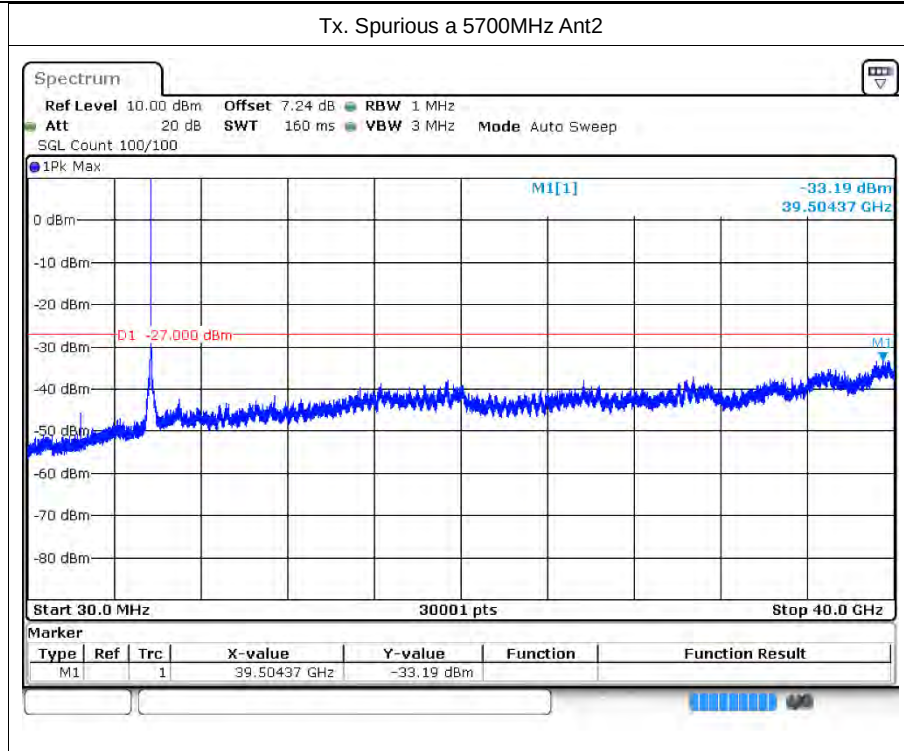


Tx. Spuriousa 5500MHz Ant2

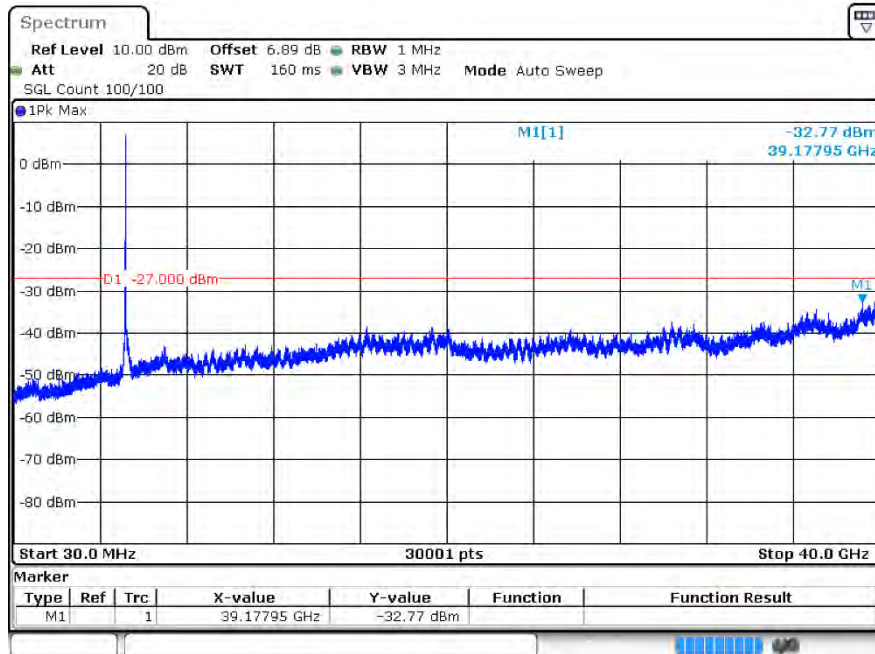


Tx. Spuriousa 5600MHz Ant2





Tx. Spurious n20 5180MHz Ant2



Tx. Spurious n20 5200MHz Ant2

