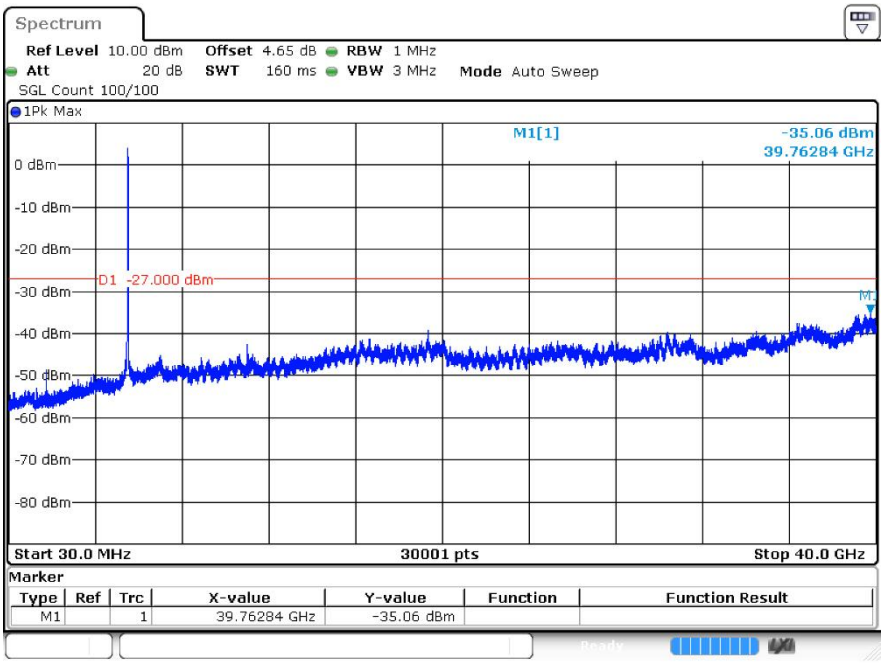
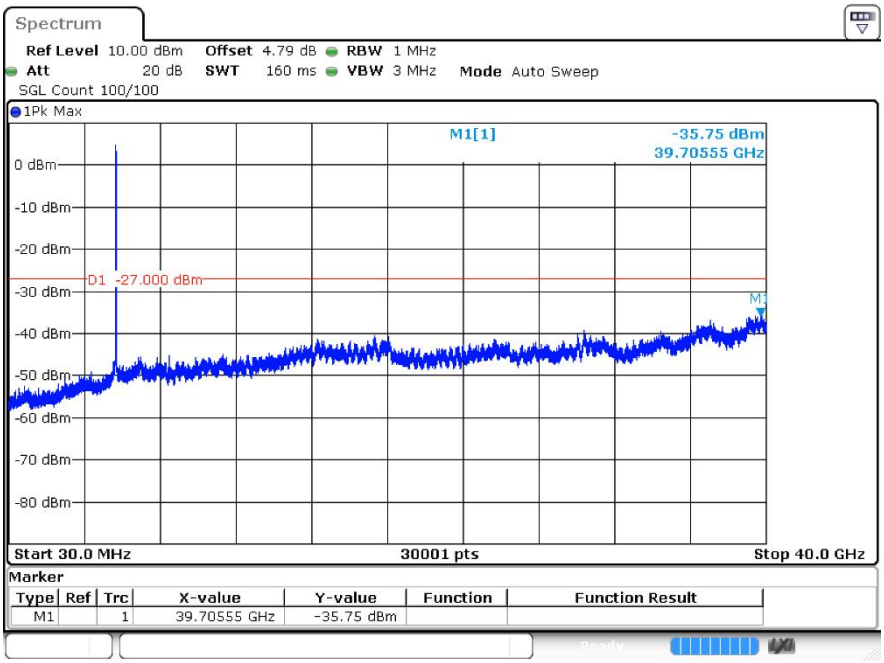
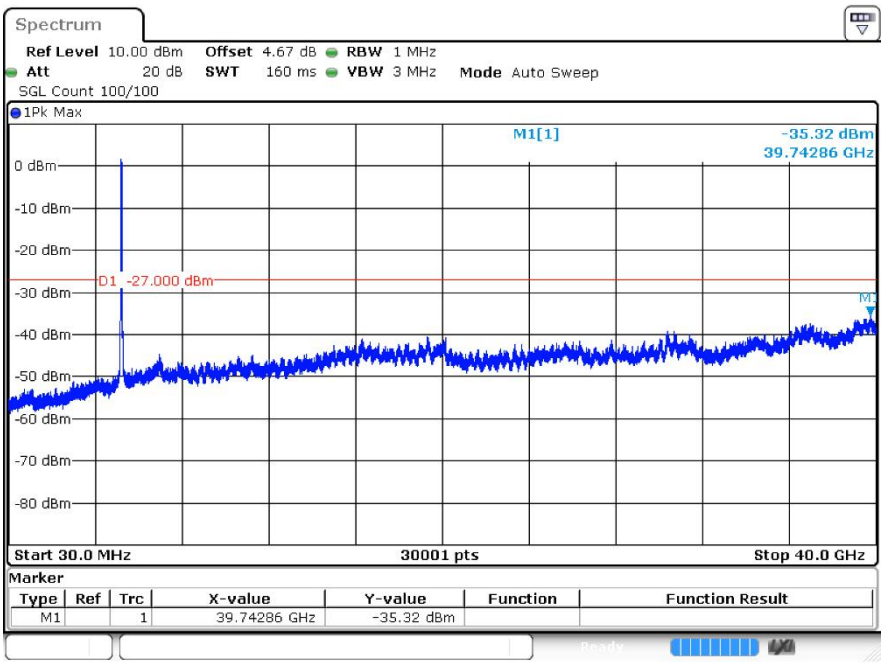
Tx. Spuriousac40 5510MHz Ant1



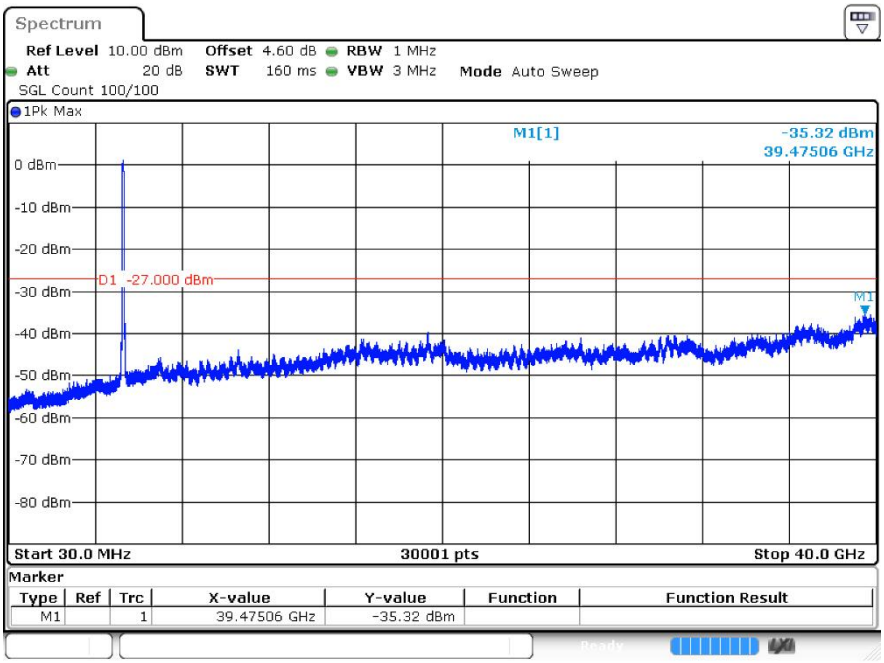
Tx. Spurious ac40 5670MHz Ant1



Tx. Spuriousac80 5210MHz Ant1



Tx. Spuriousac80 5290MHz Ant1



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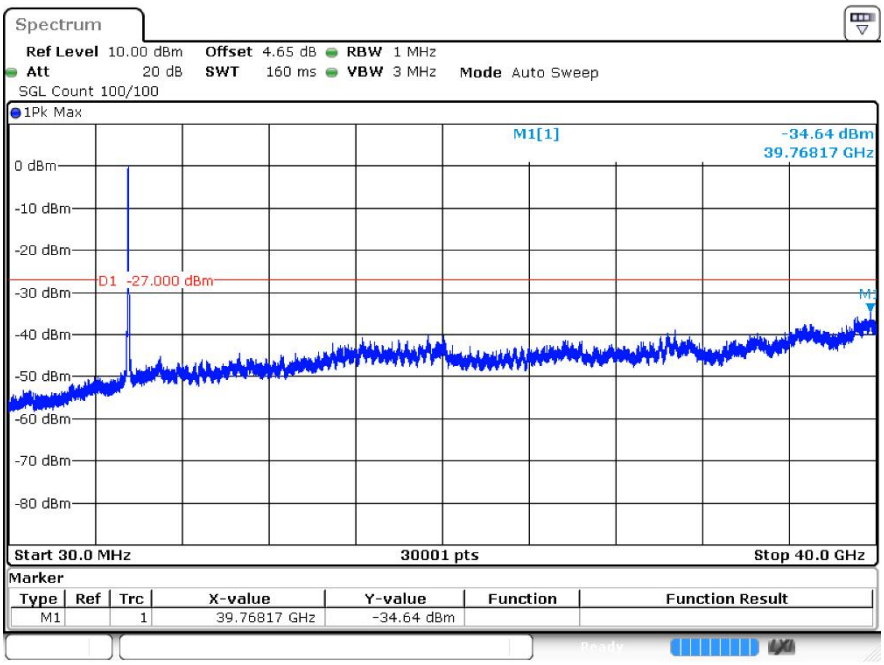
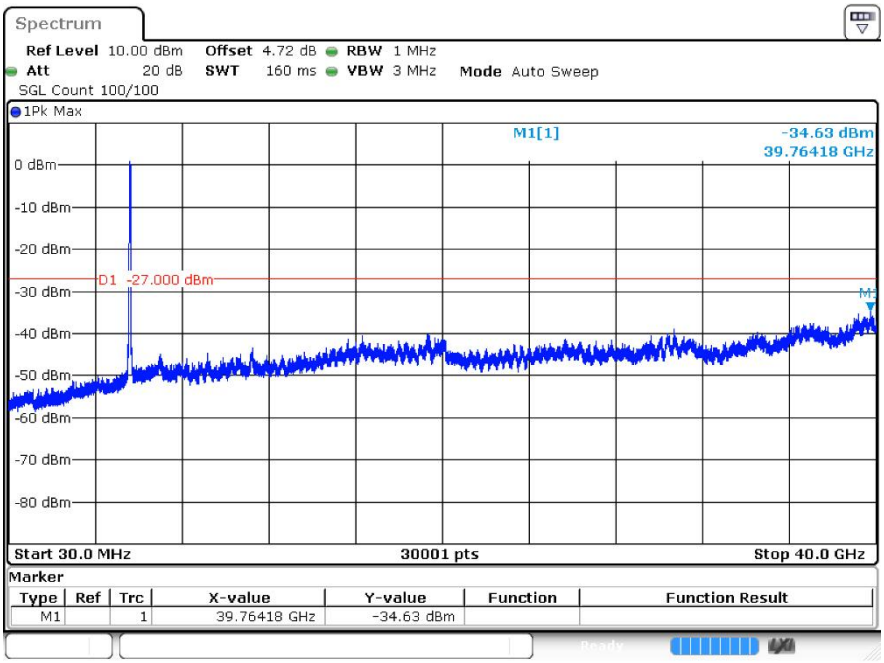


Tx. Spuriousac80 5610MHz Ant1



8 Restrict Band

8.1 Test Result

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
a	5180	Ant1	4500	-44.25	2	52.98	Peak	68.2	Pass
a	5180	Ant1	4500	-52.91	2	44.32	Average	54	Pass
a	5180	Ant1	5135.6	-40.96	2	56.27	Peak	68.2	Pass
a	5180	Ant1	5148.9	-50.22	2	47.01	Average	54	Pass
a	5180	Ant1	5150	-43.58	2	53.65	Peak	68.2	Pass
a	5180	Ant1	5150	-50.5	2	46.73	Average	54	Pass
a	5240	Ant1	5350	-44.32	2	52.91	Peak	68.2	Pass
a	5240	Ant1	5350	-52.3	2	44.93	Average	54	Pass
a	5240	Ant1	5448.24	-40.99	2	56.24	Peak	68.2	Pass
a	5240	Ant1	5449.2	-49.66	2	47.57	Average	54	Pass
a	5240	Ant1	5460	-46.6	2	50.63	Peak	68.2	Pass
a	5240	Ant1	5460	-51.91	2	45.32	Average	54	Pass
a	5260	Ant1	4500	-47.02	2	50.21	Peak	68.2	Pass
a	5260	Ant1	4500	-54.38	2	42.85	Average	54	Pass
a	5260	Ant1	4825.26	-42.18	2	55.05	Peak	68.2	Pass
a	5260	Ant1	4959.42	-51.39	2	45.84	Average	54	Pass
a	5260	Ant1	5150	-44.51	2	52.72	Peak	68.2	Pass
a	5260	Ant1	5150	-51.8	2	45.43	Average	54	Pass
a	5320	Ant1	5350	-43.11	2	54.12	Peak	68.2	Pass
a	5320	Ant1	5350	-49.89	2	47.34	Average	54	Pass
a	5320	Ant1	5350.8	-42.23	2	55	Peak	68.2	Pass
a	5320	Ant1	5447.4	-49.5	2	47.73	Average	54	Pass
a	5320	Ant1	5460	-46.69	2	50.54	Peak	68.2	Pass
a	5320	Ant1	5460	-52.53	2	44.7	Average	54	Pass
a	5500	Ant1	5460	-42.97	2	54.26	Peak	68.2	Pass
a	5500	Ant1	5460	-50.83	2	46.4	Average	54	Pass
a	5500	Ant1	5464.2	-40.53	2	56.7	Peak	68.2	Pass
a	5500	Ant1	5464	-49.48	2	47.75	Average	54	Pass
a	5500	Ant1	5470	-43.74	2	53.49	Peak	68.2	Pass
a	5500	Ant1	5470	-50.8	2	46.43	Average	54	Pass
a	5700	Ant1	5725	-46.19	2	51.04	Peak	68.2	Pass
a	5700	Ant1	5725	-54.94	2	42.29	Average	54	Pass
a	5700	Ant1	5725.6	-45.64	2	51.59	Peak	68.2	Pass
a	5700	Ant1	5727.4	-54.47	2	42.76	Average	54	Pass
a	5700	Ant1	5735	-49.96	2	47.27	Peak	68.2	Pass

a	5700	Ant1	5735	-56.88	2	40.35	Average	54	Pass
n20	5180	Ant1	4500	-45.13	2	52.1	Peak	68.2	Pass
n20	5180	Ant1	4500	-53.62	2	43.61	Average	54	Pass
n20	5180	Ant1	5149.6	-41.11	2	56.12	Peak	68.2	Pass
n20	5180	Ant1	5146.1	-50.73	2	46.5	Average	54	Pass
n20	5180	Ant1	5150	-41.72	2	55.51	Peak	68.2	Pass
n20	5180	Ant1	5150	-51.44	2	45.79	Average	54	Pass
n20	5240	Ant1	5350	-44.72	2	52.51	Peak	68.2	Pass
n20	5240	Ant1	5350	-54.24	2	42.99	Average	54	Pass
n20	5240	Ant1	5383.68	-41.78	2	55.45	Peak	68.2	Pass
n20	5240	Ant1	5447.52	-48.97	2	48.26	Average	54	Pass
n20	5240	Ant1	5460	-44.18	2	53.05	Peak	68.2	Pass
n20	5240	Ant1	5460	-51.85	2	45.38	Average	54	Pass
n20	5260	Ant1	4500	-44.29	2	52.94	Peak	68.2	Pass
n20	5260	Ant1	4500	-52.6	2	44.63	Average	54	Pass
n20	5260	Ant1	5149.74	-40.69	2	56.54	Peak	68.2	Pass
n20	5260	Ant1	4969.56	-51.08	2	46.15	Average	54	Pass
n20	5260	Ant1	5150	-44.69	2	52.54	Peak	68.2	Pass
n20	5260	Ant1	5150	-52.7	2	44.53	Average	54	Pass
n20	5320	Ant1	5350	-44.34	2	52.89	Peak	68.2	Pass
n20	5320	Ant1	5350	-50.49	2	46.74	Average	54	Pass
n20	5320	Ant1	5449.8	-40.93	2	56.3	Peak	68.2	Pass
n20	5320	Ant1	5449	-49.91	2	47.32	Average	54	Pass
n20	5320	Ant1	5460	-46.27	2	50.96	Peak	68.2	Pass
n20	5320	Ant1	5460	-51.83	2	45.4	Average	54	Pass
n20	5500	Ant1	5460	-43.09	2	54.14	Peak	68.2	Pass
n20	5500	Ant1	5460	-50.26	2	46.97	Average	54	Pass
n20	5500	Ant1	5465.8	-40.76	2	56.47	Peak	68.2	Pass
n20	5500	Ant1	5463.4	-50.2	2	47.03	Average	54	Pass
n20	5500	Ant1	5470	-44.6	2	52.63	Peak	68.2	Pass
n20	5500	Ant1	5470	-50.95	2	46.28	Average	54	Pass
n20	5700	Ant1	5725	-43.06	2	54.17	Peak	68.2	Pass
n20	5700	Ant1	5725	-48.68	2	48.55	Average	54	Pass
n20	5700	Ant1	5730.8	-40.87	2	56.36	Peak	68.2	Pass
n20	5700	Ant1	5725.2	-48.65	2	48.58	Average	54	Pass
n20	5700	Ant1	5735	-43.2	2	54.03	Peak	68.2	Pass
n20	5700	Ant1	5735	-49.63	2	47.6	Average	54	Pass
n40	5190	Ant1	4500	-45.58	2	51.65	Peak	68.2	Pass
n40	5190	Ant1	4500	-52.47	2	44.92	Average	54	Pass
n40	5190	Ant1	5147.51	-39.36	2	57.87	Peak	68.2	Pass
n40	5190	Ant1	5149.7	-50.03	2	47.36	Average	54	Pass
n40	5190	Ant1	5150	-44.13	2	53.1	Peak	68.2	Pass
n40	5190	Ant1	5150	-50.84	2	46.55	Average	54	Pass

n40	5230	Ant1	5350	-45.01	2	52.22	Peak	68.2	Pass
n40	5230	Ant1	5350	-51.73	2	45.66	Average	54	Pass
n40	5230	Ant1	5452.44	-40.23	2	57	Peak	68.2	Pass
n40	5230	Ant1	5448.66	-49.24	2	48.15	Average	54	Pass
n40	5230	Ant1	5460	-43.62	2	53.61	Peak	68.2	Pass
n40	5230	Ant1	5460	-51.06	2	46.33	Average	54	Pass
n40	5270	Ant1	4500	-45.35	2	51.88	Peak	68.2	Pass
n40	5270	Ant1	4500	-53.01	2	44.38	Average	54	Pass
n40	5270	Ant1	5084.82	-40.78	2	56.45	Peak	68.2	Pass
n40	5270	Ant1	4970.61	-51.56	2	45.83	Average	54	Pass
n40	5270	Ant1	5150	-44.95	2	52.28	Peak	68.2	Pass
n40	5270	Ant1	5150	-52	2	45.39	Average	54	Pass
n40	5310	Ant1	5350	-44.91	2	52.32	Peak	68.2	Pass
n40	5310	Ant1	5350	-49.17	2	48.22	Average	54	Pass
n40	5310	Ant1	5351.6	-39.73	2	57.5	Peak	68.2	Pass
n40	5310	Ant1	5350.2	-49.15	2	48.24	Average	54	Pass
n40	5310	Ant1	5460	-46.43	2	50.8	Peak	68.2	Pass
n40	5310	Ant1	5460	-52.87	2	44.52	Average	54	Pass
n40	5510	Ant1	5460	-42.82	2	54.41	Peak	68.2	Pass
n40	5510	Ant1	5460	-50.32	2	47.07	Average	54	Pass
n40	5510	Ant1	5467	-41.7	2	55.53	Peak	68.2	Pass
n40	5510	Ant1	-49.96	-49.96	2	47.43	Average	54	Pass
n40	5510	Ant1	5470	-44.09	2	53.14	Peak	68.2	Pass
n40	5510	Ant1	5470	-49.96	2	47.43	Average	54	Pass
n40	5670	Ant1	5725	-45.68	2	51.55	Peak	68.2	Pass
n40	5670	Ant1	5725	-51.72	2	45.67	Average	54	Pass
n40	5670	Ant1	5732.4	-42.05	2	55.18	Peak	68.2	Pass
n40	5670	Ant1	5726.2	-49.68	2	47.71	Average	54	Pass
n40	5670	Ant1	-42.51	-42.51	2	54.72	Peak	68.2	Pass
n40	5670	Ant1	5735	-50.82	2	46.57	Average	54	Pass
ac20	5180	Ant1	4500	-44.58	2	52.65	Peak	68.2	Pass
ac20	5180	Ant1	4500	-52.95	2	44.28	Average	54	Pass
ac20	5180	Ant1	5146.8	-40.64	2	56.59	Peak	68.2	Pass
ac20	5180	Ant1	5144.7	-50.08	2	47.15	Average	54	Pass
ac20	5180	Ant1	5150	-41.91	2	55.32	Peak	68.2	Pass
ac20	5180	Ant1	5150	-50.49	2	46.74	Average	54	Pass
ac20	5240	Ant1	5350	-44.18	2	53.05	Peak	68.2	Pass
ac20	5240	Ant1	5350	-53.92	2	43.31	Average	54	Pass
ac20	5240	Ant1	5450.16	-42.41	2	54.82	Peak	68.2	Pass
ac20	5240	Ant1	5448.24	-50.07	2	47.16	Average	54	Pass
ac20	5240	Ant1	5460	-46.09	2	51.14	Peak	68.2	Pass
ac20	5240	Ant1	5460	-51.06	2	46.17	Average	54	Pass
ac20	5260	Ant1	4500	-45.37	2	51.86	Peak	68.2	Pass

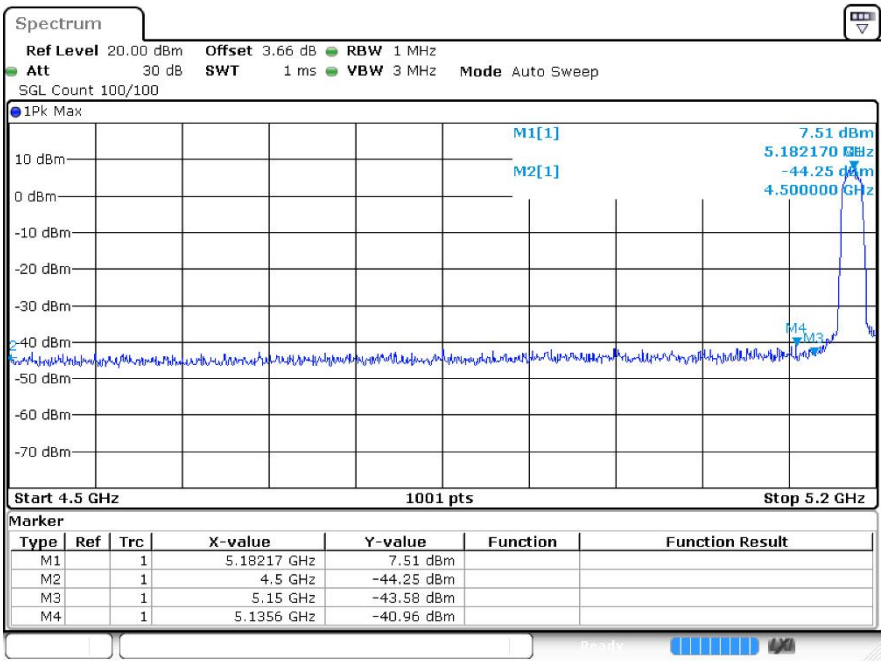
ac20	5260	Ant1	4500	-52.5	2	44.73	Average	54	Pass
ac20	5260	Ant1	4734.78	-41.47	2	55.76	Peak	68.2	Pass
ac20	5260	Ant1	5069.4	-51.49	2	45.74	Average	54	Pass
ac20	5260	Ant1	5150	-45.02	2	52.21	Peak	68.2	Pass
ac20	5260	Ant1	5150	-52.48	2	44.75	Average	54	Pass
ac20	5320	Ant1	5350	-44.08	2	53.15	Peak	68.2	Pass
ac20	5320	Ant1	5350	-51.05	2	46.18	Average	54	Pass
ac20	5320	Ant1	5451.2	-40.93	2	56.3	Peak	68.2	Pass
ac20	5320	Ant1	5447.4	-49.42	2	47.81	Average	54	Pass
ac20	5320	Ant1	5460	-45.13	2	52.1	Peak	68.2	Pass
ac20	5320	Ant1	5460	-50.93	2	46.3	Average	54	Pass
ac20	5500	Ant1	5460	-43.97	2	53.26	Peak	68.2	Pass
ac20	5500	Ant1	5460	-50.73	2	46.5	Average	54	Pass
ac20	5500	Ant1	5460.6	-41.06	2	56.17	Peak	68.2	Pass
ac20	5500	Ant1	5467.6	-49.79	2	47.44	Average	54	Pass
ac20	5500	Ant1	5470	-43.27	2	53.96	Peak	68.2	Pass
ac20	5500	Ant1	5470	-50.81	2	46.42	Average	54	Pass
ac20	5700	Ant1	5725	-42.76	2	54.47	Peak	68.2	Pass
ac20	5700	Ant1	5725	-50.13	2	47.1	Average	54	Pass
ac20	5700	Ant1	5726	-40.94	2	56.29	Peak	68.2	Pass
ac20	5700	Ant1	5731.4	-49.4	2	47.83	Average	54	Pass
ac20	5700	Ant1	5735	-42.98	2	54.25	Peak	68.2	Pass
ac20	5700	Ant1	5735	-51.47	2	45.76	Average	54	Pass
ac40	5190	Ant1	4500	-44.91	2	52.32	Peak	68.2	Pass
ac40	5190	Ant1	4500	-53.36	2	44.03	Average	54	Pass
ac40	5190	Ant1	5133.64	-41.85	2	55.38	Peak	68.2	Pass
ac40	5190	Ant1	5147.51	-50.59	2	46.8	Average	54	Pass
ac40	5190	Ant1	5150	-42.09	2	55.14	Peak	68.2	Pass
ac40	5190	Ant1	5150	-50.4	2	46.99	Average	54	Pass
ac40	5230	Ant1	5350	-44.49	2	52.74	Peak	68.2	Pass
ac40	5230	Ant1	5350	-52.31	2	45.08	Average	54	Pass
ac40	5230	Ant1	5389.26	-41.33	2	55.9	Peak	68.2	Pass
ac40	5230	Ant1	5451.36	-49.62	2	47.77	Average	54	Pass
ac40	5230	Ant1	5460	-44.61	2	52.62	Peak	68.2	Pass
ac40	5230	Ant1	5460	-51.82	2	45.57	Average	54	Pass
ac40	5270	Ant1	4500	-45.82	2	51.41	Peak	68.2	Pass
ac40	5270	Ant1	4500	-52.76	2	44.63	Average	54	Pass
ac40	5270	Ant1	4918.77	-41.83	2	55.4	Peak	68.2	Pass
ac40	5270	Ant1	5012.73	-51.32	2	46.07	Average	54	Pass
ac40	5270	Ant1	5150	-44	2	53.23	Peak	68.2	Pass
ac40	5270	Ant1	5150	-52.07	2	45.32	Average	54	Pass
ac40	5310	Ant1	5350	-44.04	2	53.19	Peak	68.2	Pass
ac40	5310	Ant1	5350	-48.76	2	48.63	Average	54	Pass

ac40	5310	Ant1	5353.6	-40.45	2	56.78	Peak	68.2	Pass
ac40	5310	Ant1	5350.2	-48.66	2	48.73	Average	54	Pass
ac40	5310	Ant1	5460	-44.61	2	52.62	Peak	68.2	Pass
ac40	5310	Ant1	5460	-52.35	2	45.04	Average	54	Pass
ac40	5510	Ant1	5460	-44.25	2	52.98	Peak	68.2	Pass
ac40	5510	Ant1	5460	-51.71	2	45.68	Average	54	Pass
ac40	5510	Ant1	5468.2	-41.3	2	55.93	Peak	68.2	Pass
ac40	5510	Ant1	-49.59	-49.59	2	47.8	Average	54	Pass
ac40	5510	Ant1	5470	-43.58	2	53.65	Peak	68.2	Pass
ac40	5510	Ant1	5470	-49.59	2	47.8	Average	54	Pass
ac40	5670	Ant1	5725	-43.62	2	53.61	Peak	68.2	Pass
ac40	5670	Ant1	5725	-50.88	2	46.51	Average	54	Pass
ac40	5670	Ant1	5727.8	-40.92	2	56.31	Peak	68.2	Pass
ac40	5670	Ant1	5726.2	-49.27	2	48.12	Average	54	Pass
ac40	5670	Ant1	-43.54	-43.54	2	53.69	Peak	68.2	Pass
ac40	5670	Ant1	5735	-50.89	2	46.5	Average	54	Pass
ac80	5210	Ant1	4500	-44.31	2	52.92	Peak	68.2	Pass
ac80	5210	Ant1	4500	-52.77	2	44.76	Average	54	Pass
ac80	5210	Ant1	5148.59	-40.86	2	56.37	Peak	68.2	Pass
ac80	5210	Ant1	5147.8	-50.37	2	47.16	Average	54	Pass
ac80	5210	Ant1	5150	-42.9	2	54.33	Peak	68.2	Pass
ac80	5210	Ant1	5150	-49.58	2	47.95	Average	54	Pass
ac80	5290	Ant1	4500	-46.06	2	51.17	Peak	68.2	Pass
ac80	5290	Ant1	4500	-53.14	2	44.4	Average	54	Pass
ac80	5290	Ant1	4990.68	-41.8	2	55.43	Peak	68.2	Pass
ac80	5290	Ant1	5142.93	-51.03	2	46.51	Average	54	Pass
ac80	5290	Ant1	5150	-45.69	2	51.54	Peak	68.2	Pass
ac80	5290	Ant1	5150	-51.82	2	45.72	Average	54	Pass
ac80	5530	Ant1	5460	-44.26	2	52.97	Peak	68.2	Pass
ac80	5530	Ant1	5460	-50.7	2	46.94	Average	54	Pass
ac80	5530	Ant1	5465.8	-39.54	2	57.69	Peak	68.2	Pass
ac80	5530	Ant1	5462.8	-48.77	2	48.87	Average	54	Pass
ac80	5530	Ant1	5470	-41.78	2	55.45	Peak	68.2	Pass
ac80	5530	Ant1	5470	-49.76	2	47.88	Average	54	Pass
ac80	5610	Ant1	5725	-44.86	2	52.37	Peak	68.2	Pass
ac80	5610	Ant1	5725	-52.84	2	44.76	Average	54	Pass
ac80	5610	Ant1	5730.695	-41.22	2	56.01	Peak	68.2	Pass
ac80	5610	Ant1	5731.515	-50.5	2	47.1	Average	54	Pass
ac80	5610	Ant1	5735	-43.68	2	53.55	Peak	68.2	Pass
ac80	5610	Ant1	5735	-50.78	2	46.82	Average	54	Pass

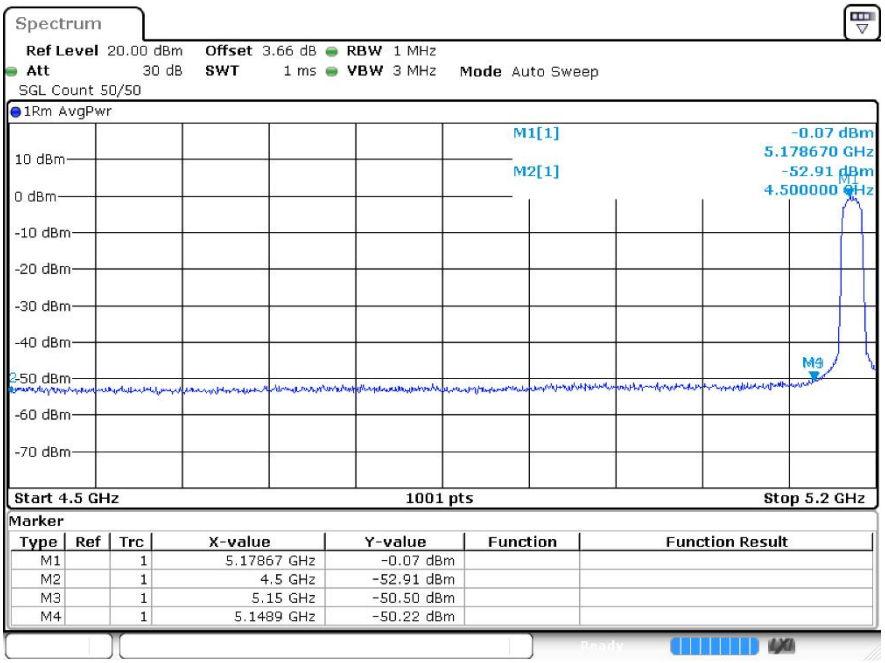
8.2 Test Graphs

Test Graphs

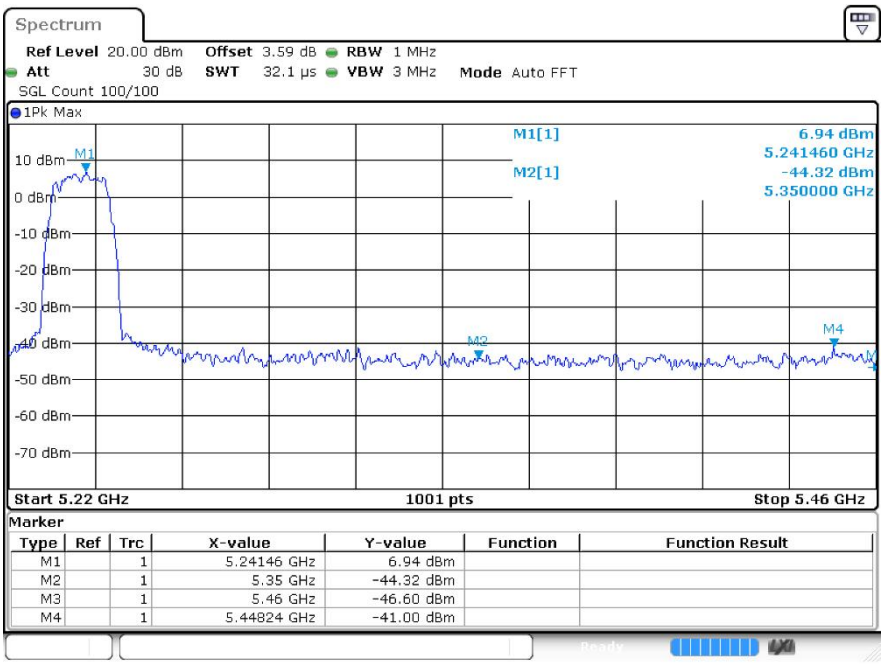
Restrict Banda 5180MHz Ant1 Peak



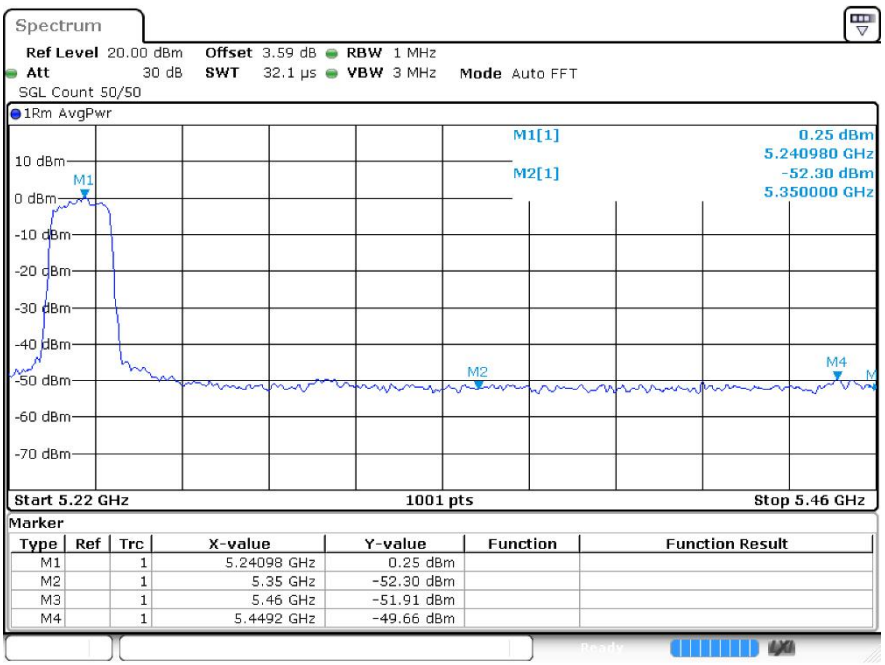
Restrict Band a 5180MHz Ant1 Average



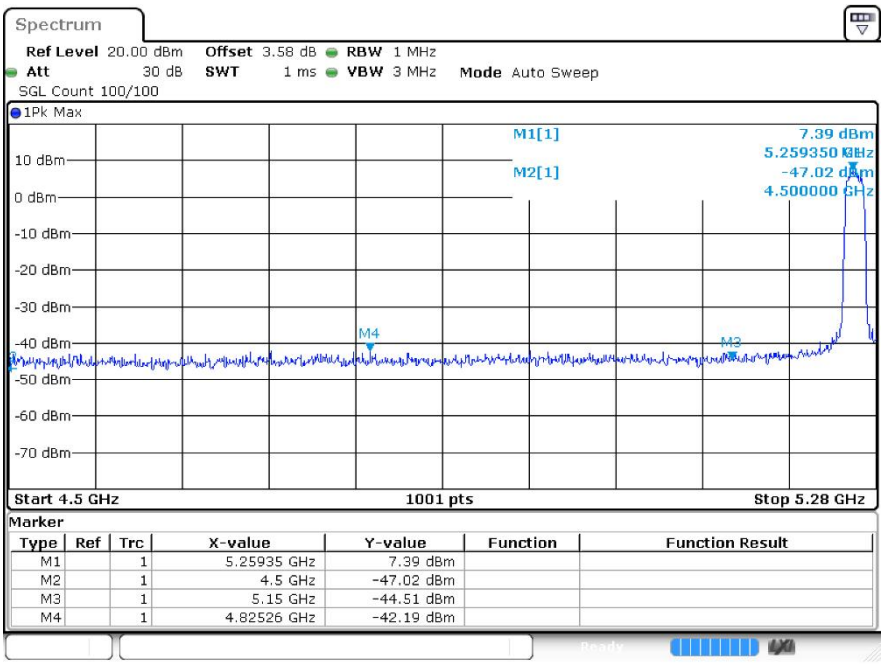
Restrict Banda 5240MHz Ant1 Peak



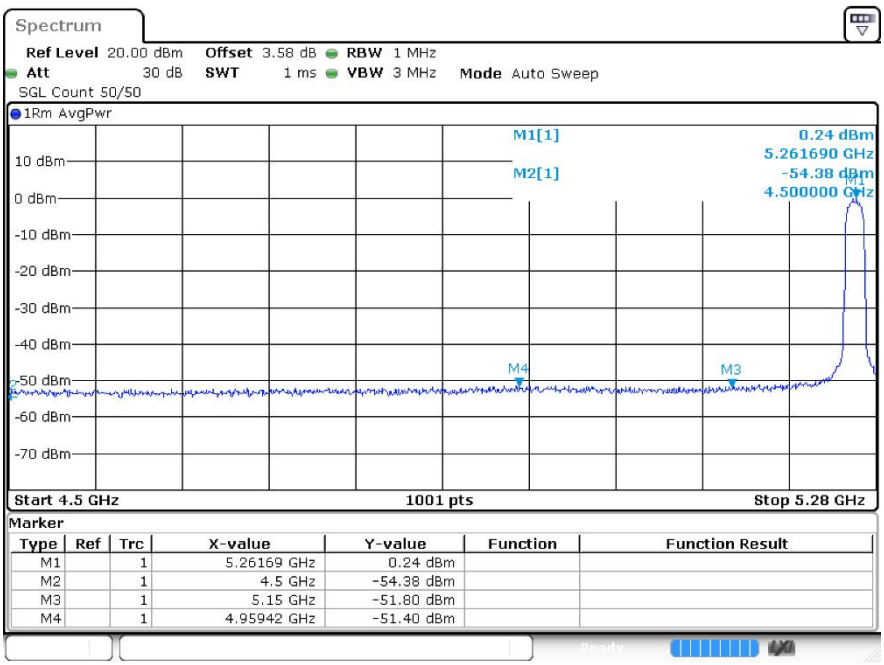
Restrict Band a 5240MHz Ant1 Average



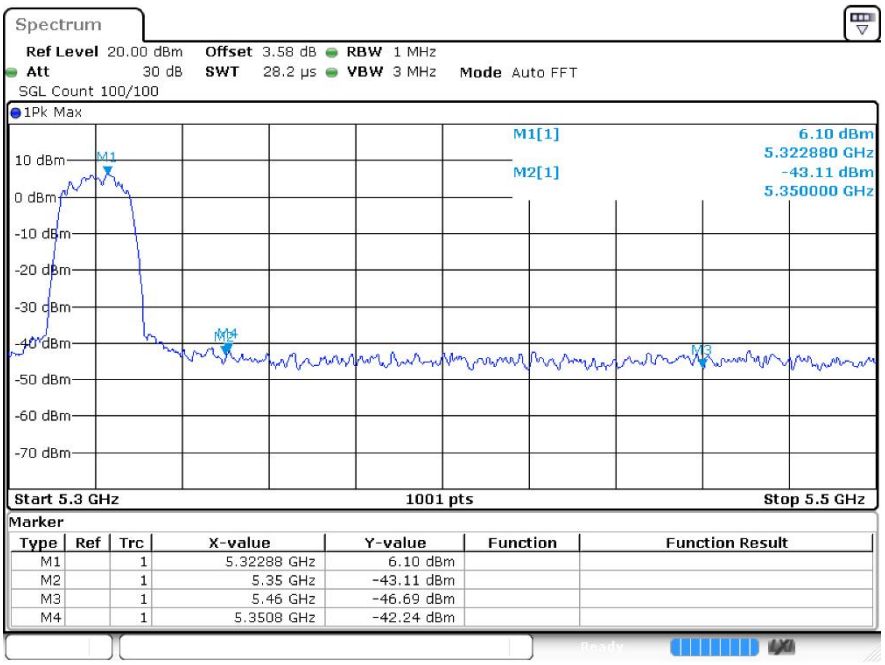
Restrict Banda 5260MHz Ant1 Peak



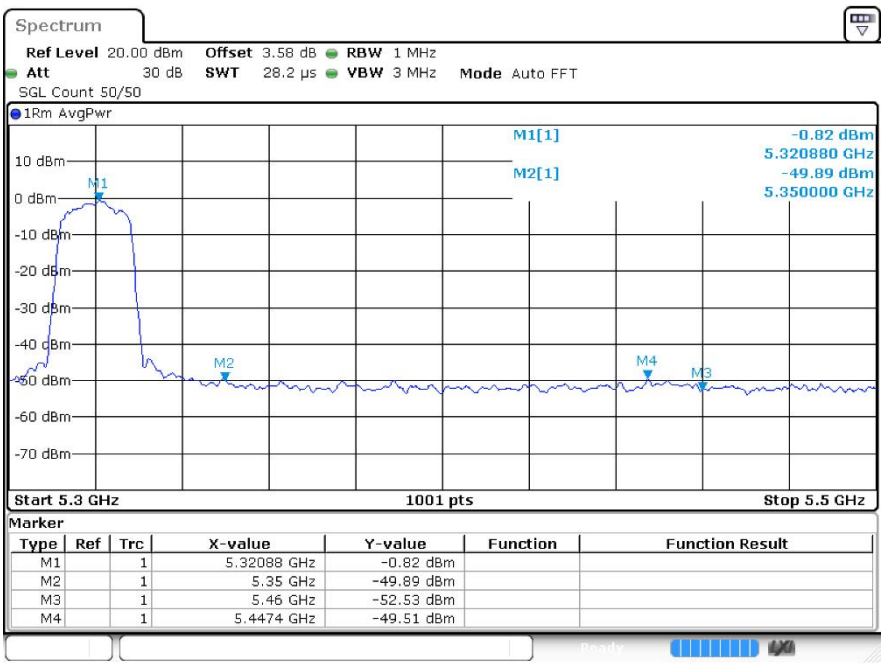
Restrict Band a 5260MHz Ant1 Average



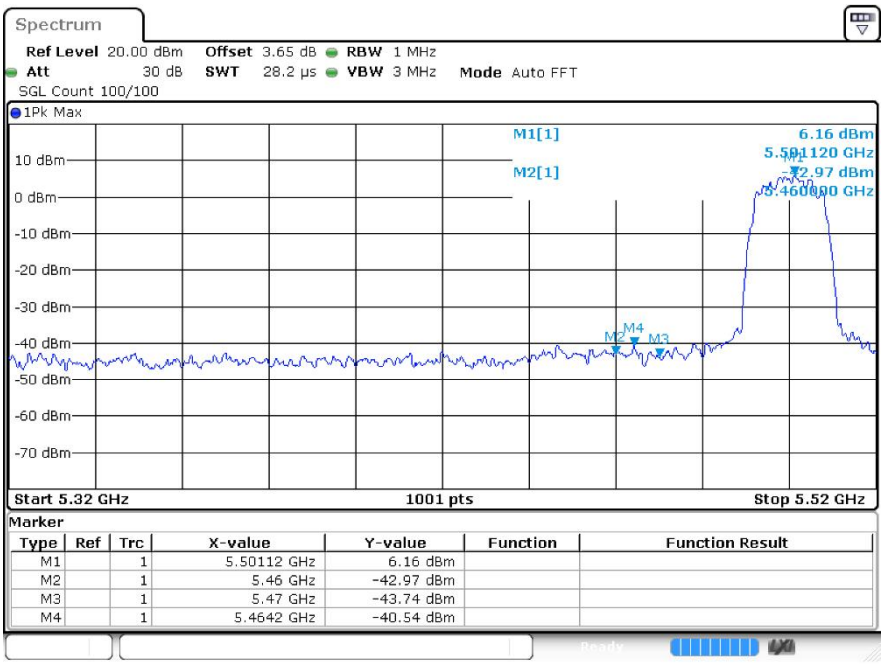
Restrict Banda 5320MHz Ant1 Peak



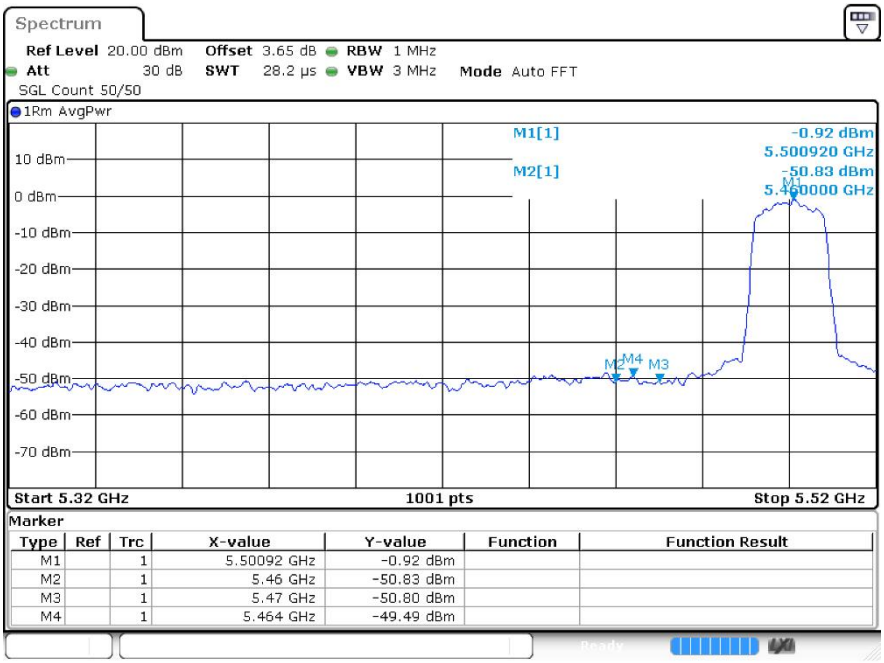
Restrict Band a 5320MHz Ant1 Average



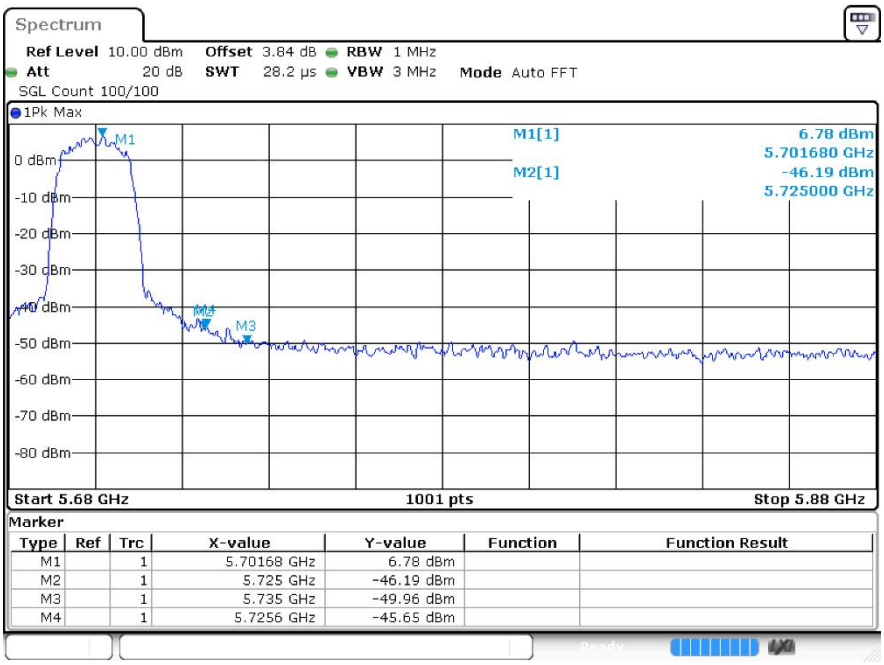
Restrict Banda 5500MHz Ant1 Peak



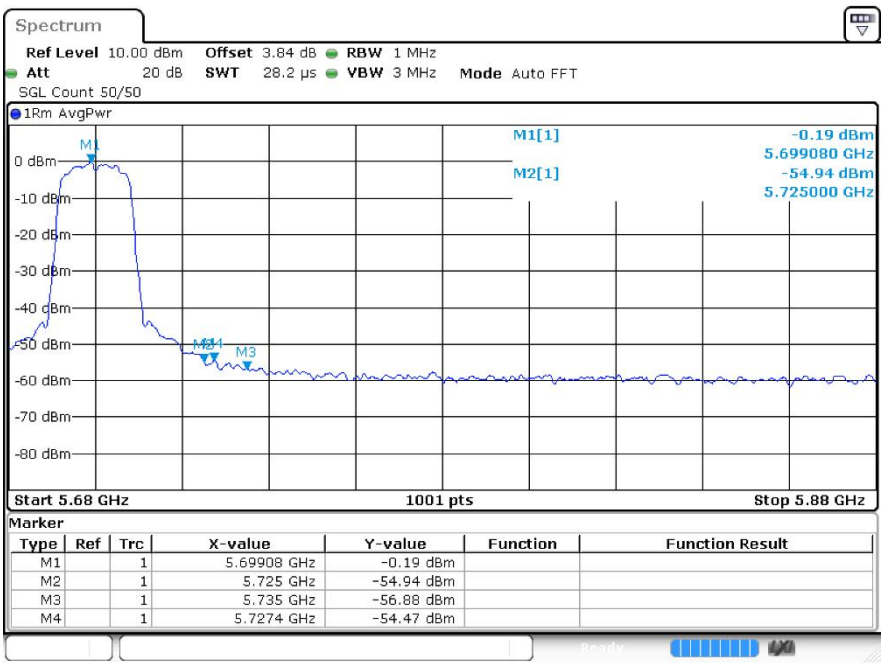
Restrict Band a 5500MHz Ant1 Average



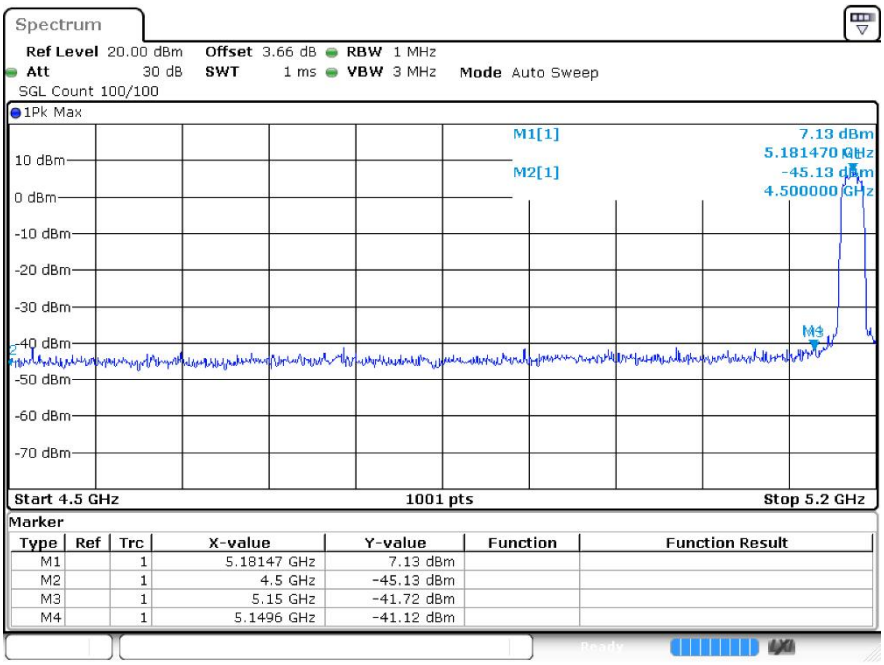
Restrict Banda 5700MHz Ant1 Peak



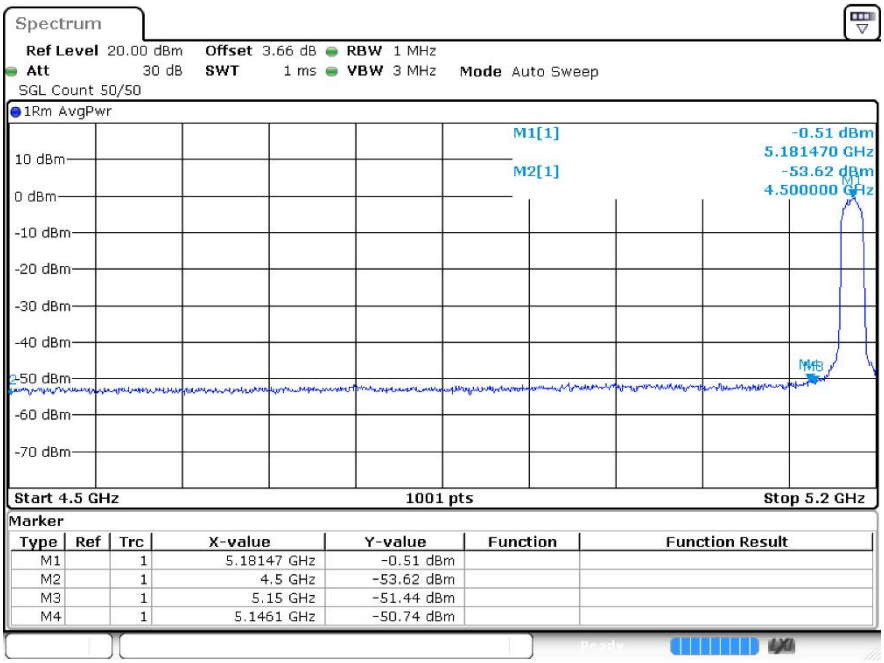
Restrict Band a 5700MHz Ant1 Average



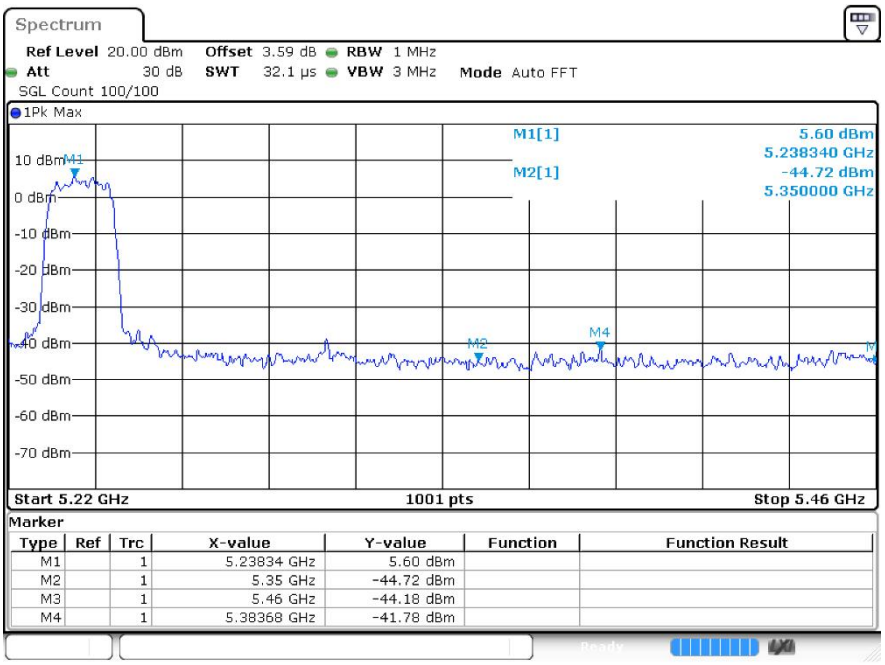
Restrict Bandn20 5180MHz Ant1 Peak



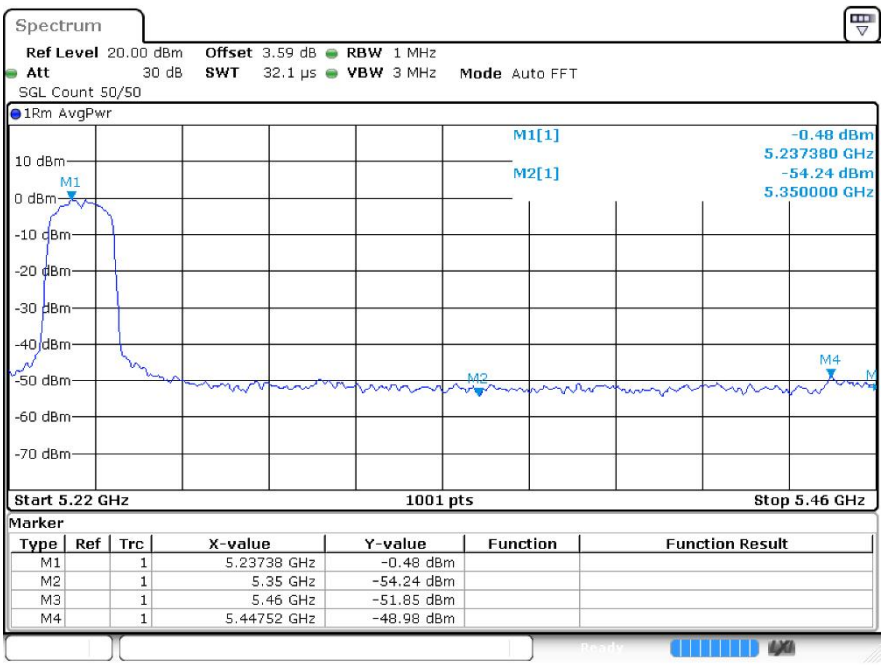
Restrict Band n20 5180MHz Ant1 Average



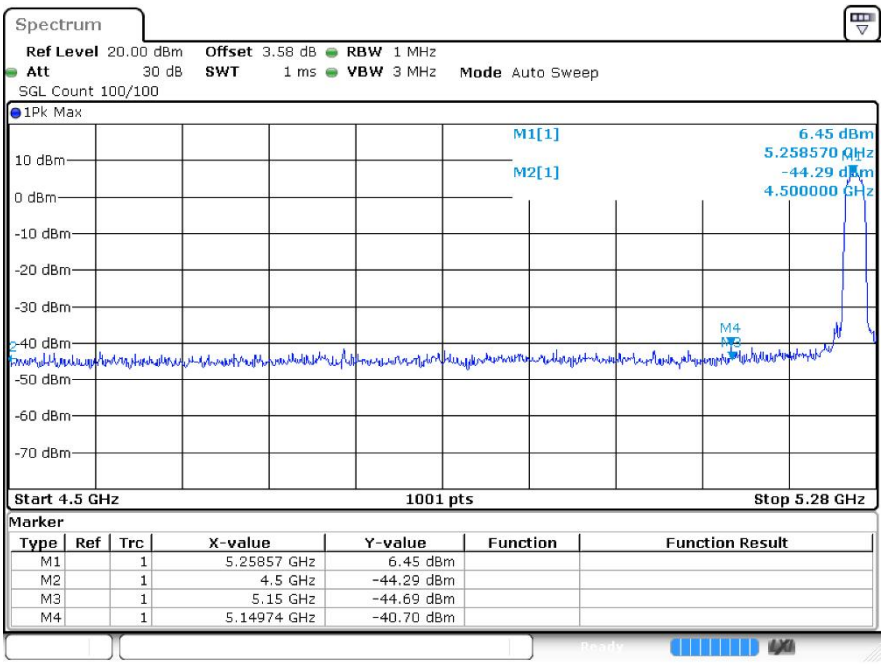
Restrict Bandn20 5240MHz Ant1 Peak



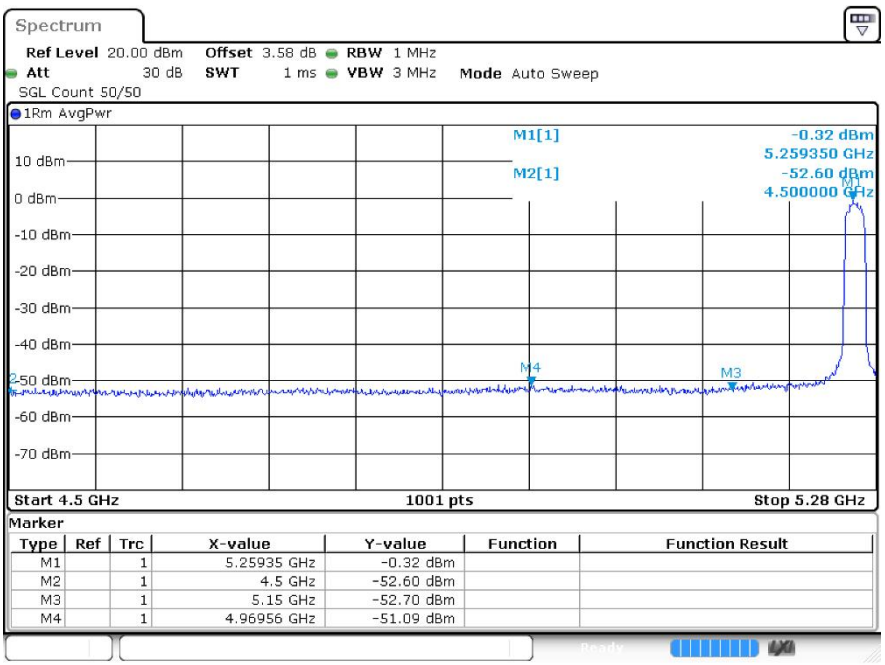
Restrict Band n20 5240MHz Ant1 Average



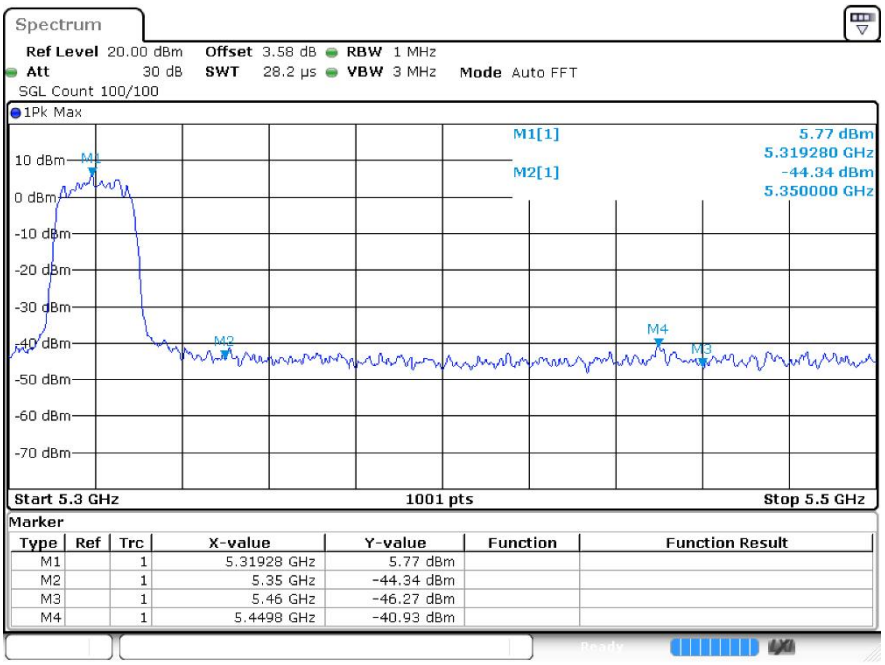
Restrict Bandn20 5260MHz Ant1 Peak



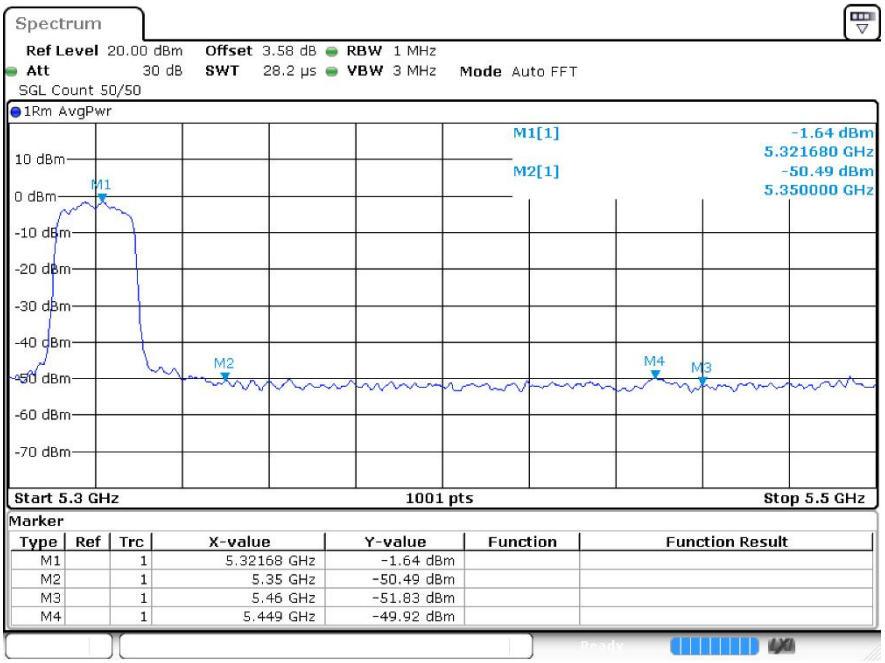
Restrict Band n20 5260MHz Ant1 Average



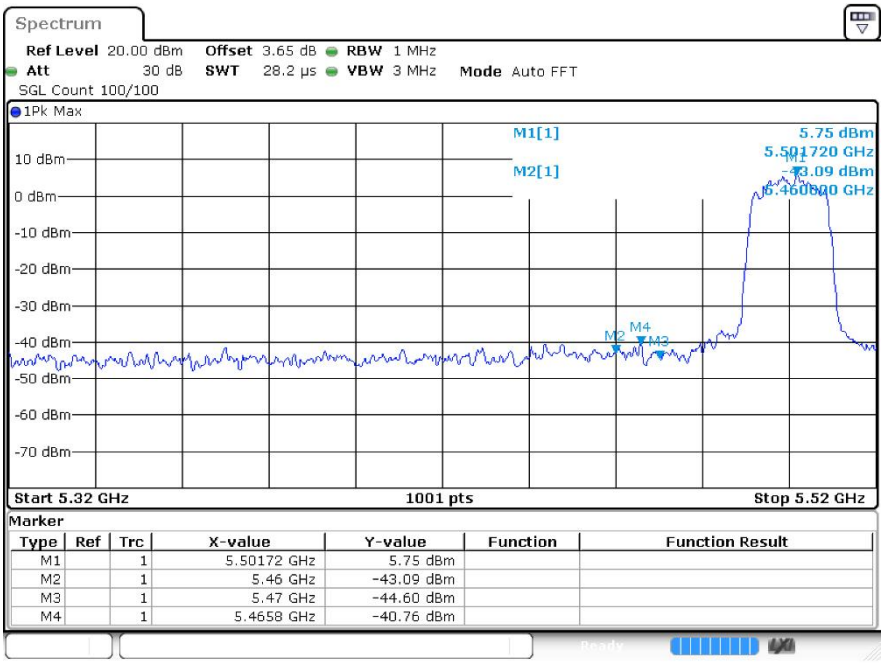
Restrict Bandn20 5320MHz Ant1 Peak



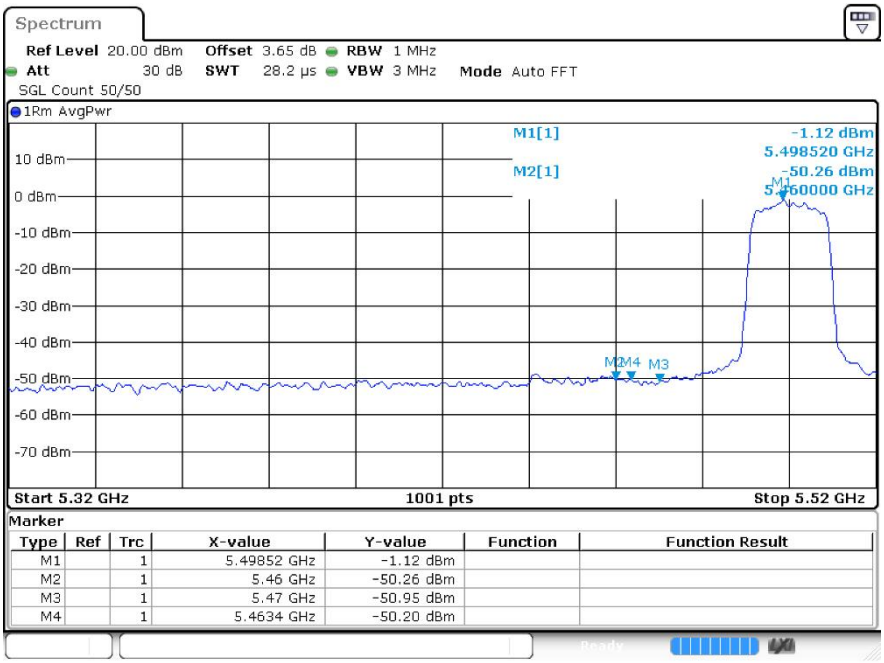
Restrict Band n20 5320MHz Ant1 Average



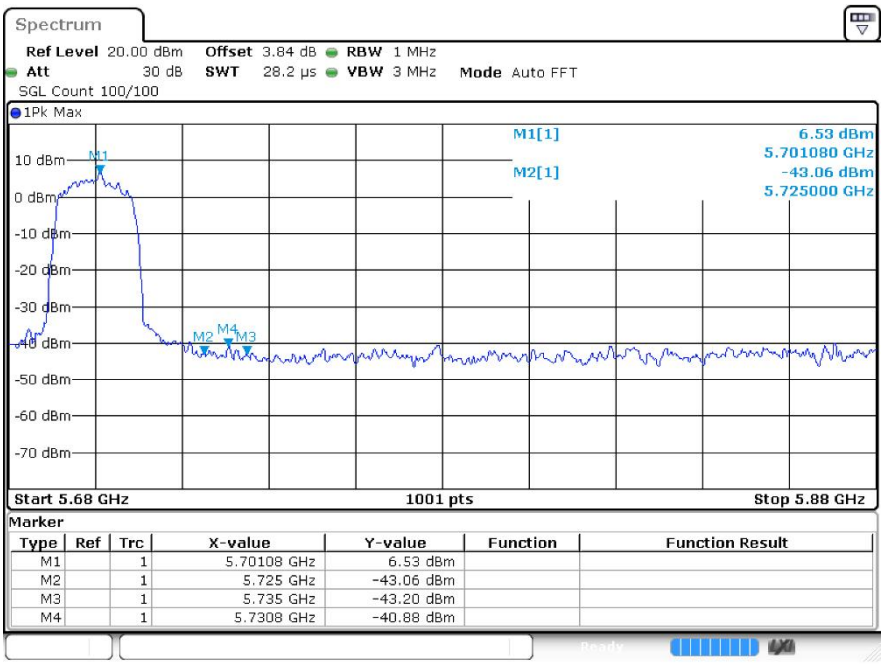
Restrict Bandn20 5500MHz Ant1 Peak



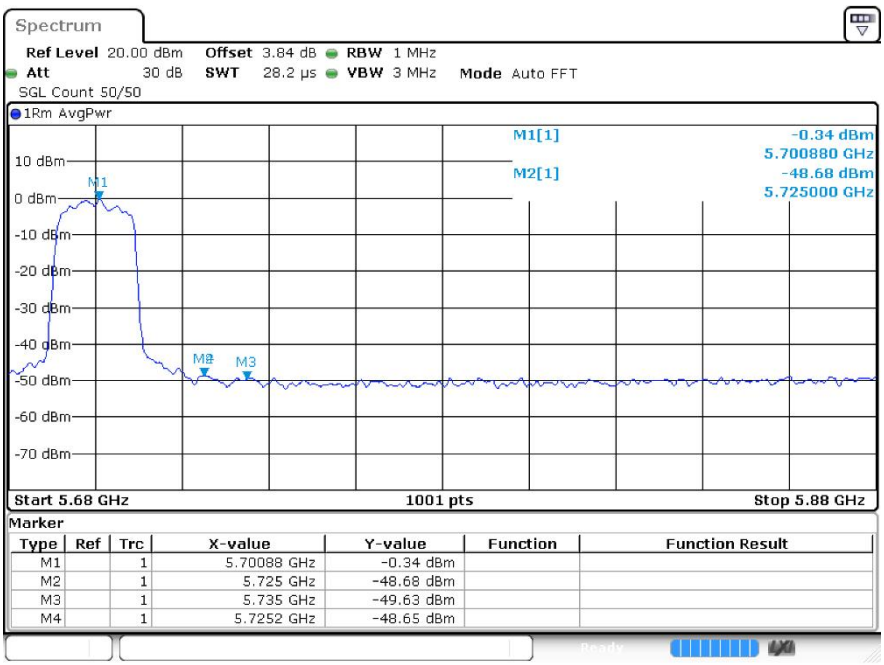
Restrict Band n20 5500MHz Ant1 Average



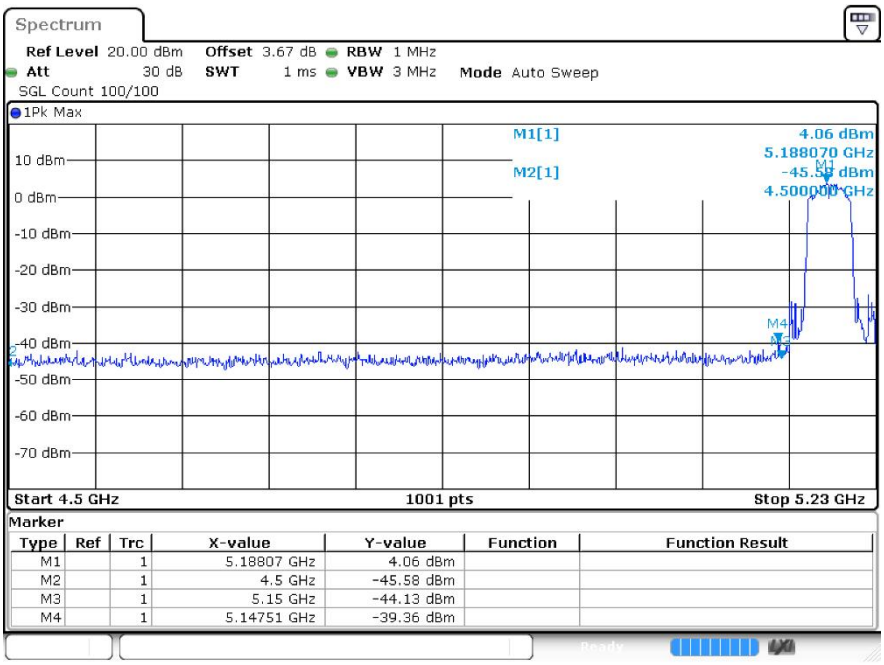
Restrict Bandn20 5700MHz Ant1 Peak



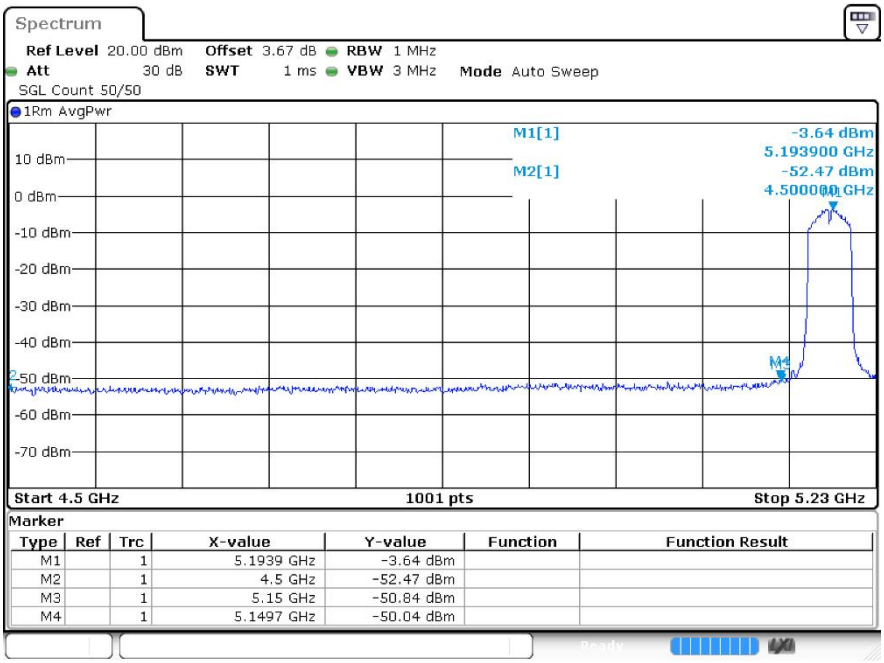
Restrict Band n20 5700MHz Ant1 Average



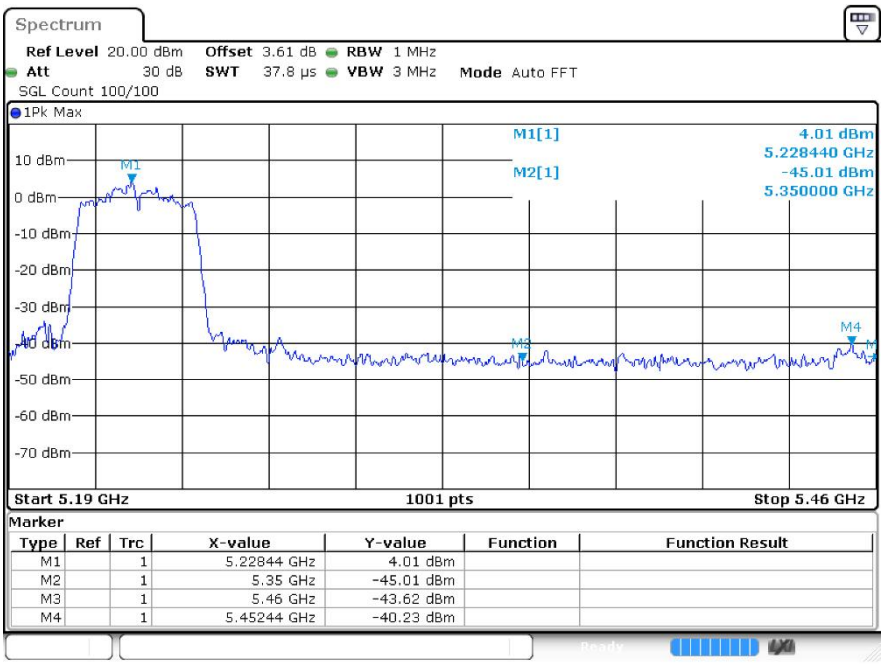
Restrict Bandn40 5190MHz Ant1 Peak



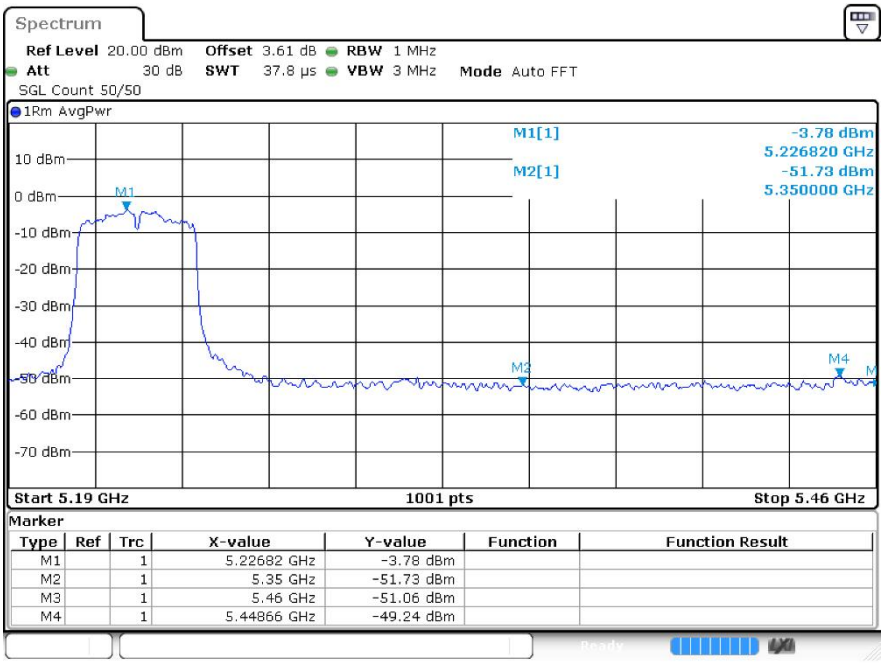
Restrict Band n40 5190MHz Ant1 Average



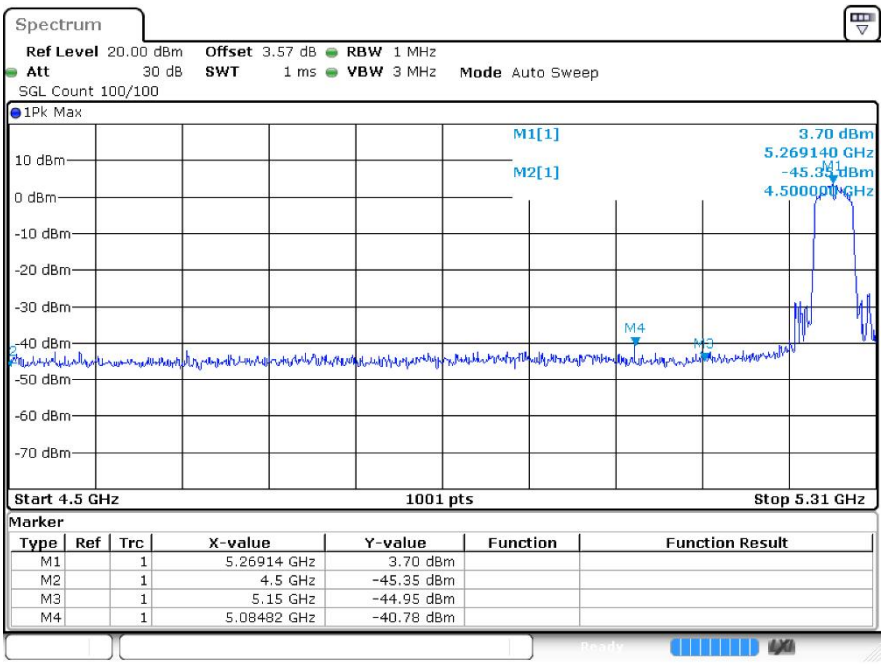
Restrict Bandn40 5230MHz Ant1 Peak



Restrict Band n40 5230MHz Ant1 Average



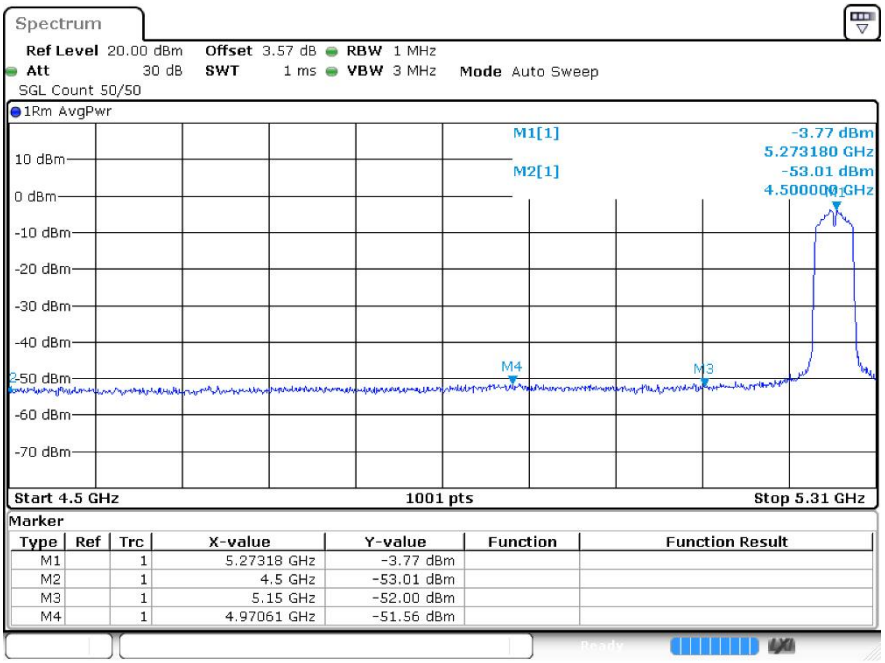
Restrict Bandn40 5270MHz Ant1 Peak



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.26914 GHz	3.70 dBm		
M2		1	4.5 GHz	-45.35 dBm		
M3		1	5.15 GHz	-44.95 dBm		
M4		1	5.08482 GHz	-40.78 dBm		

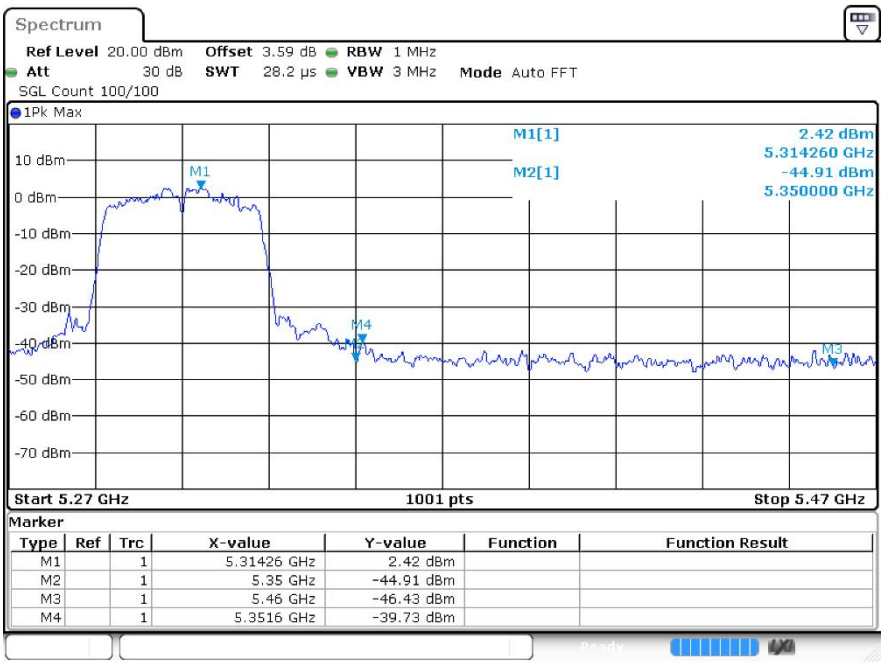
Restrict Band n40 5270MHz Ant1 Average



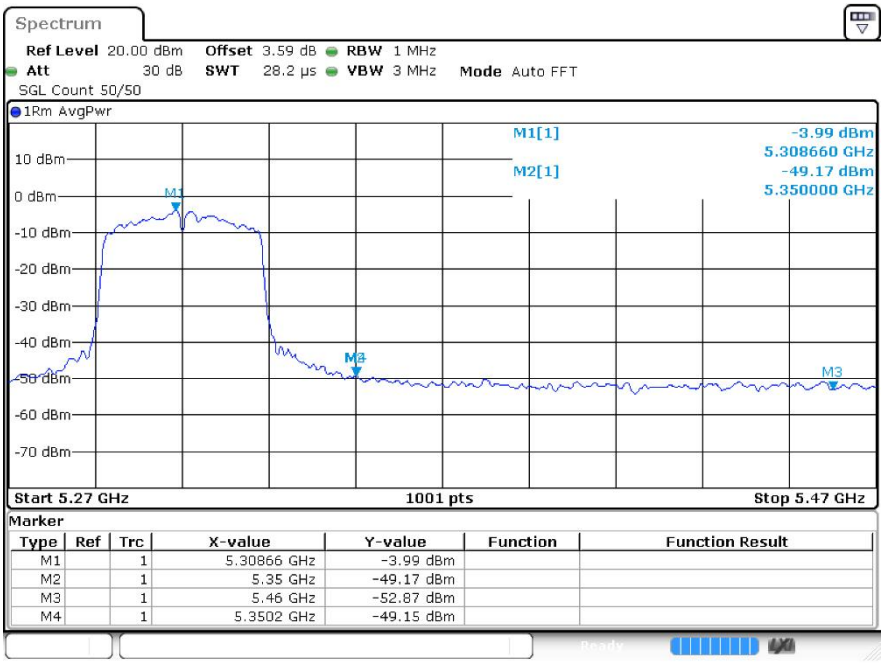
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.27318 GHz	-3.77 dBm		
M2		1	4.5 GHz	-53.01 dBm		
M3		1	5.15 GHz	-52.00 dBm		
M4		1	4.97061 GHz	-51.56 dBm		

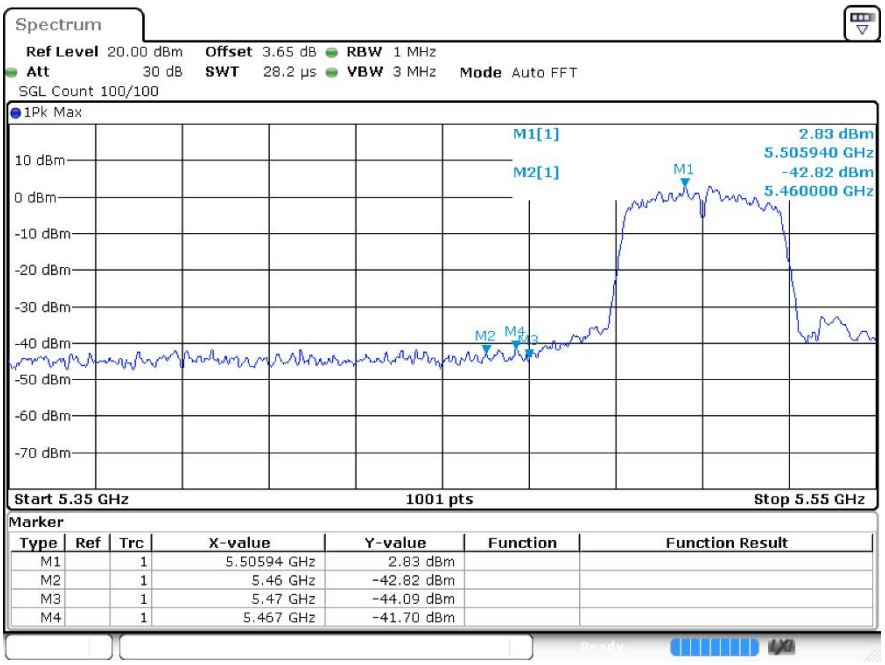
Restrict Bandn40 5310MHz Ant1 Peak



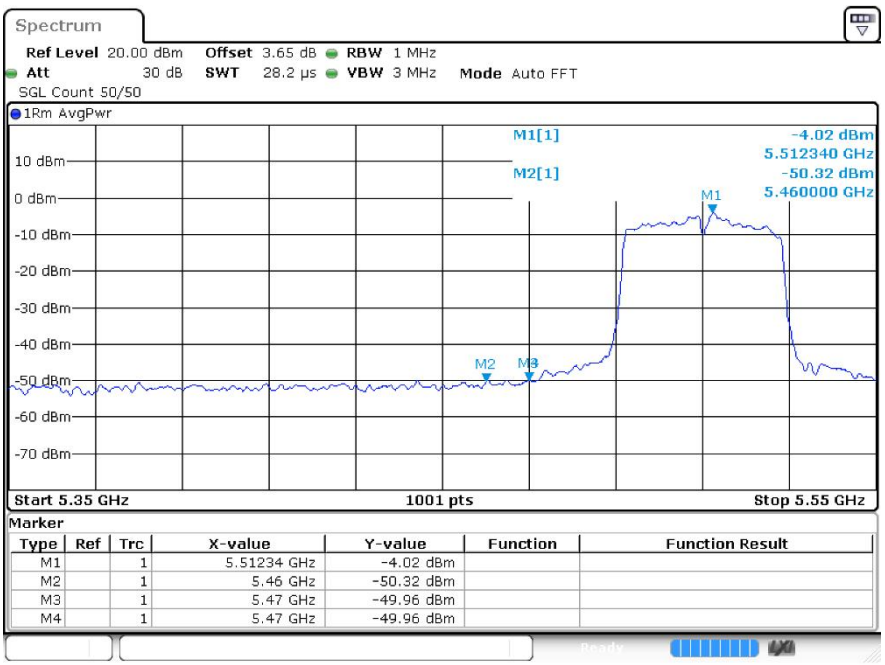
Restrict Band n40 5310MHz Ant1 Average



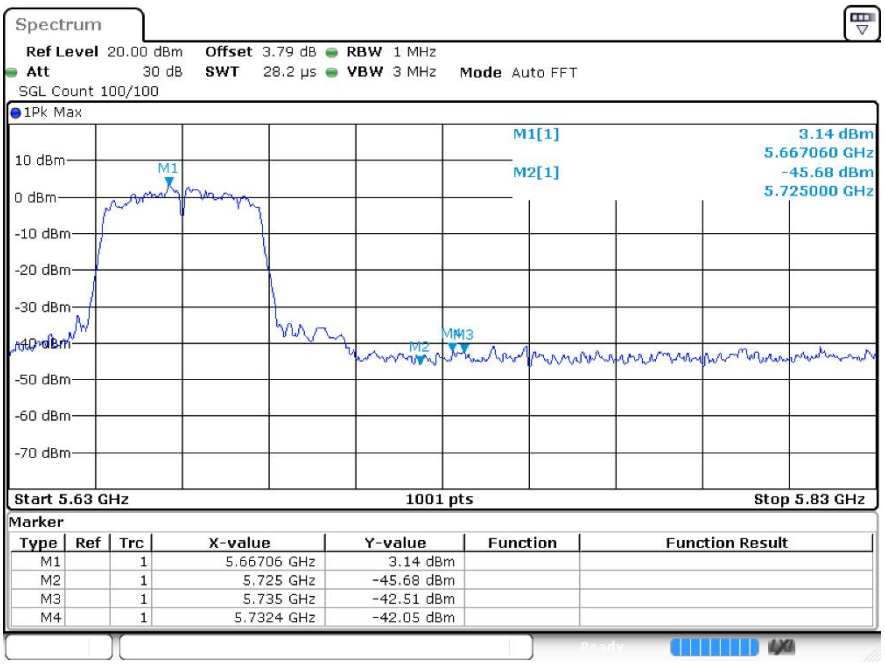
Restrict Bandn40 5510MHz Ant1 Peak



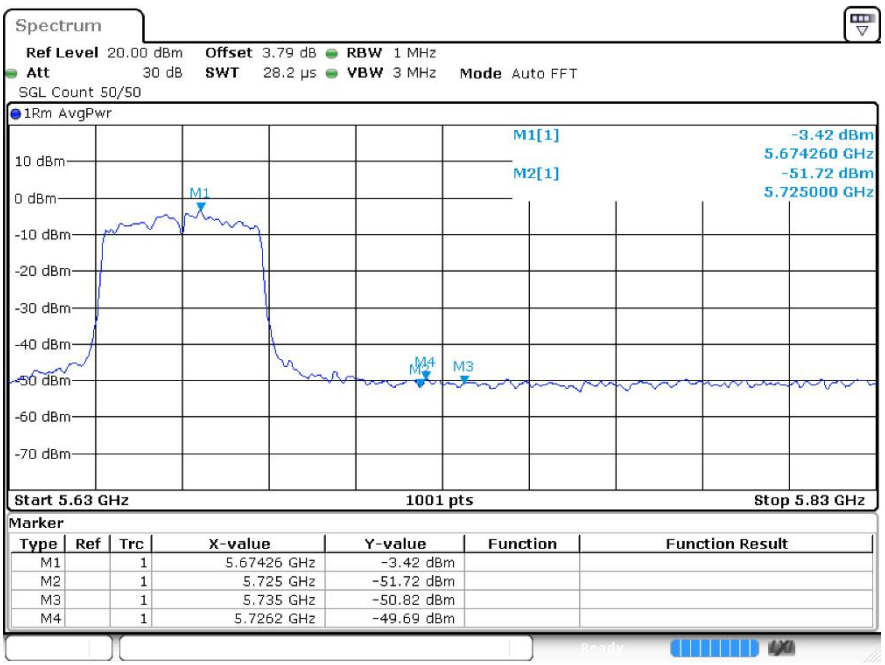
Restrict Band n40 5510MHz Ant1 Average



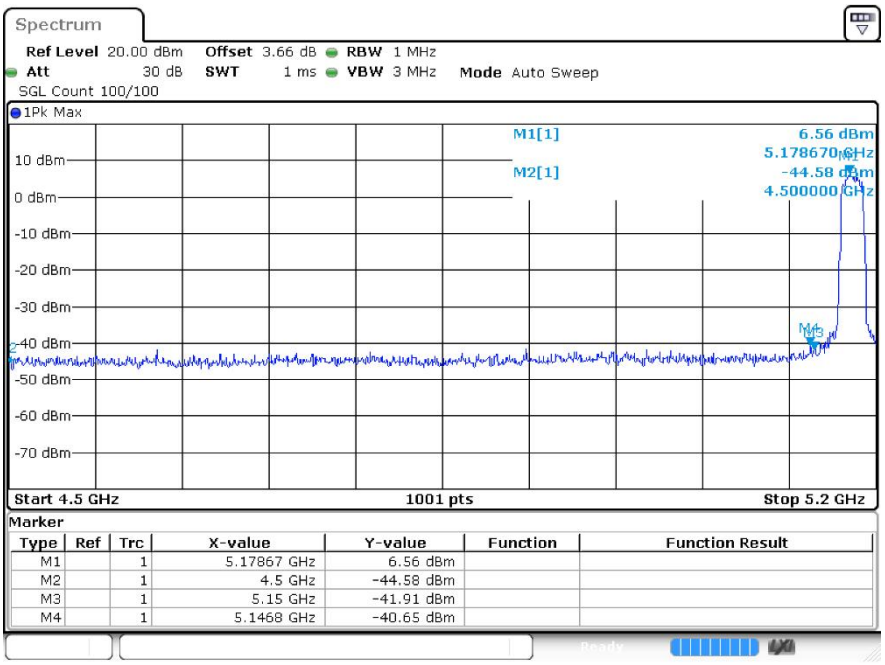
Restrict Bandn40 5670MHz Ant1 Peak



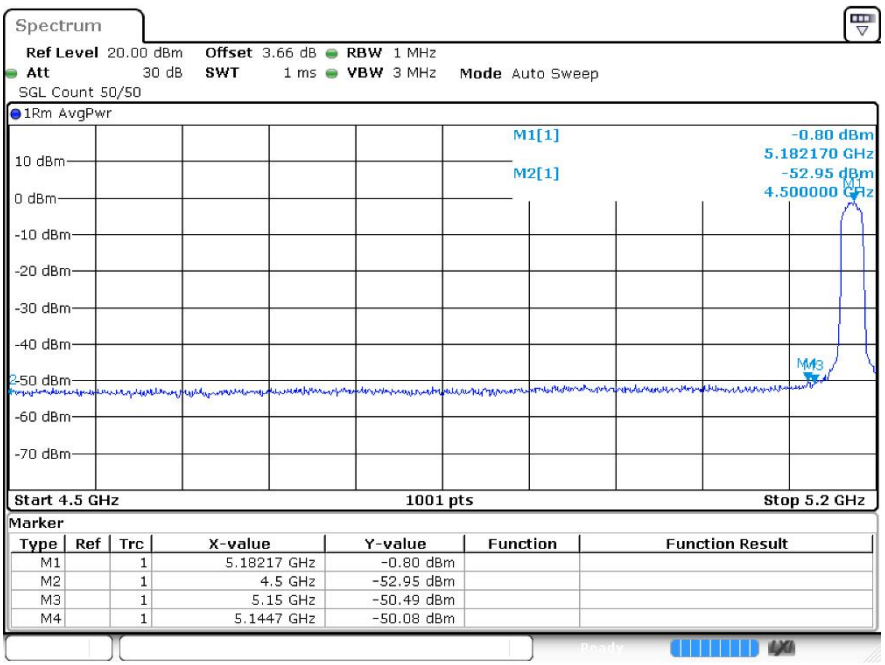
Restrict Band n40 5670MHz Ant1 Average



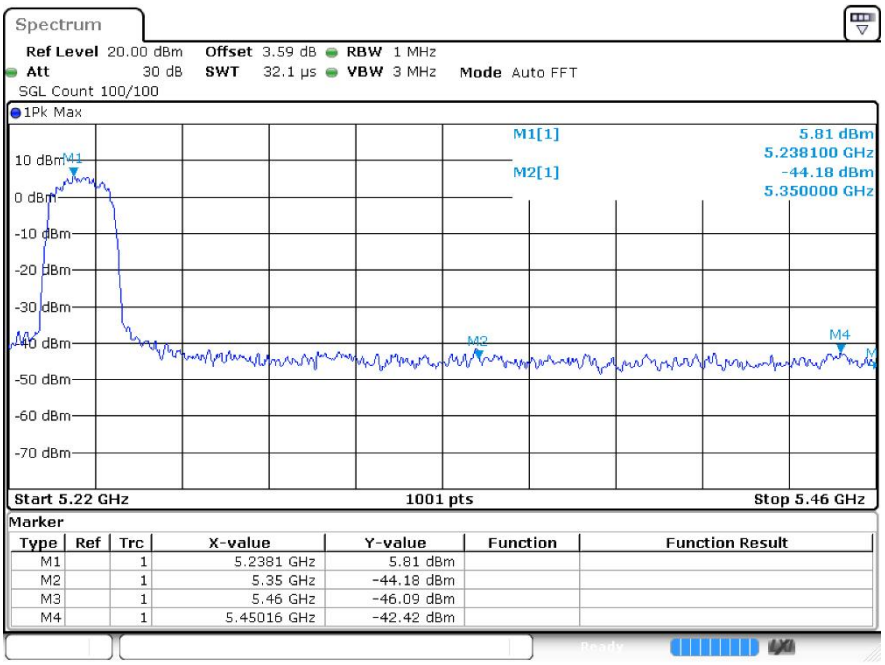
Restrict Bandac20 5180MHz Ant1 Peak



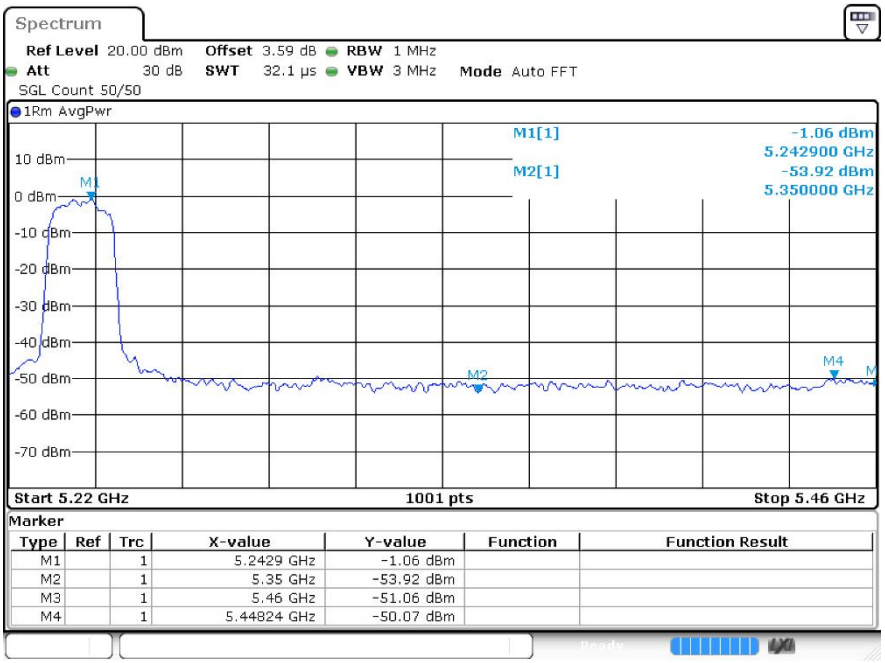
Restrict Band ac20 5180MHz Ant1 Average



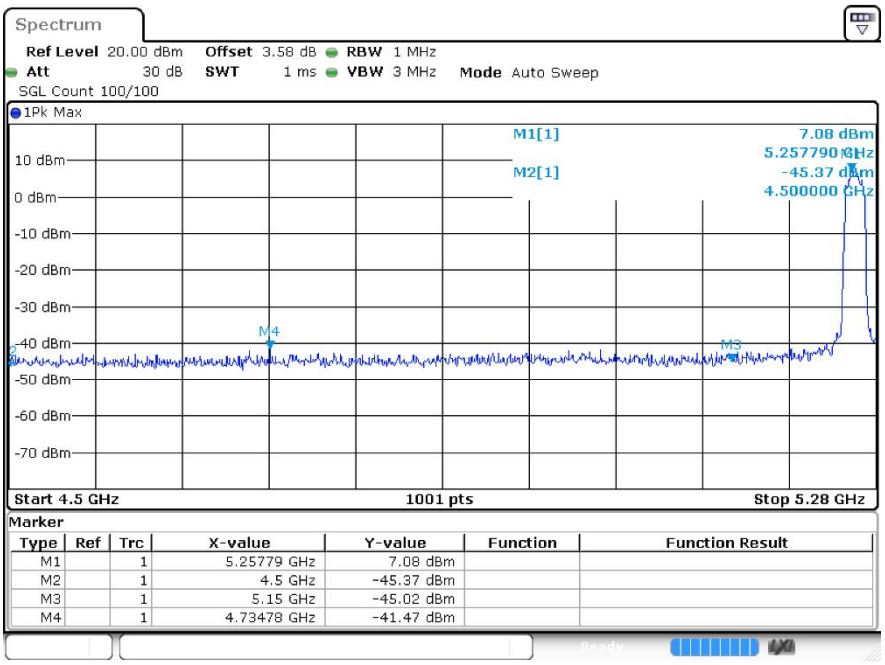
Restrict Bandac20 5240MHz Ant1 Peak



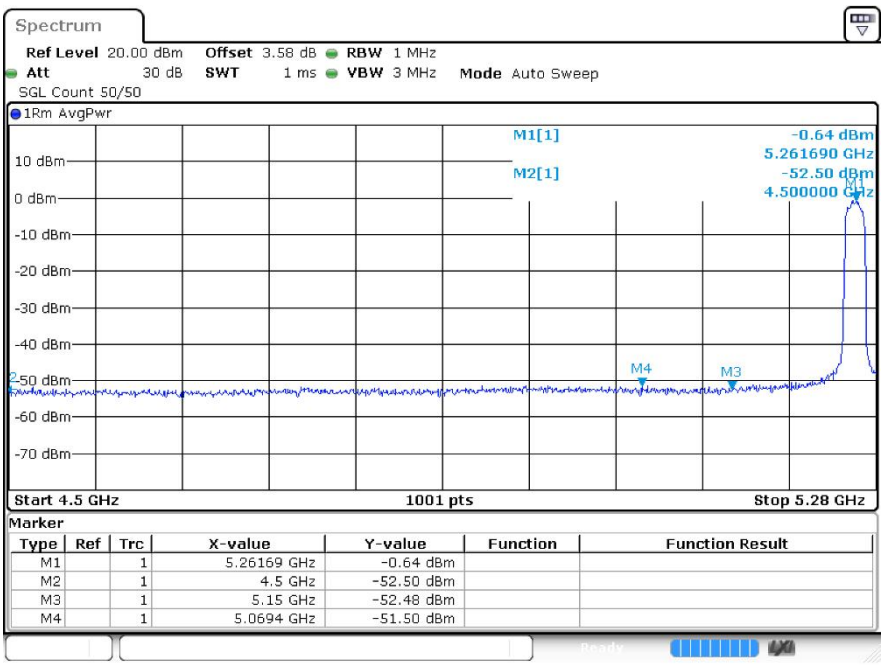
Restrict Band ac20 5240MHz Ant1 Average



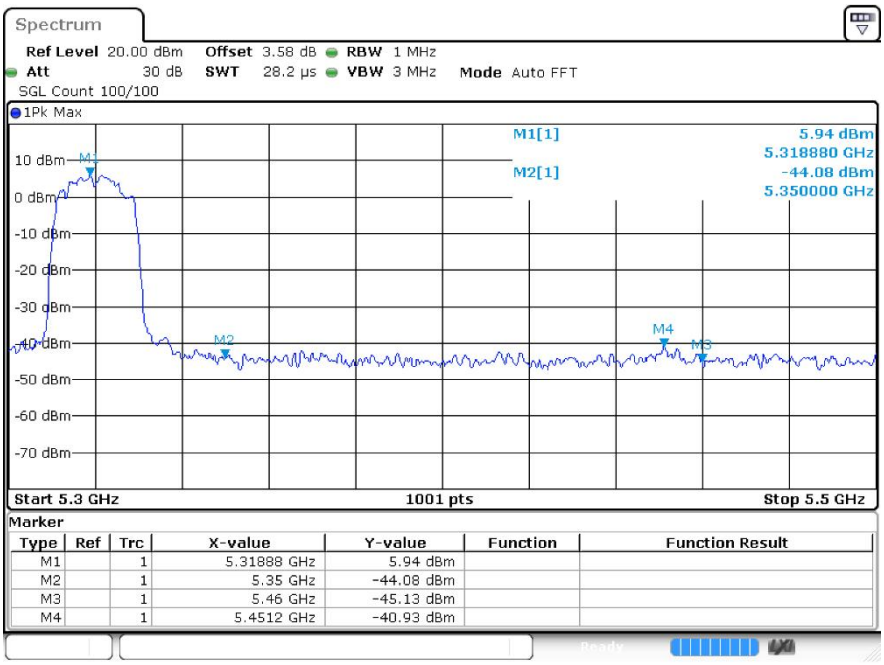
Restrict Bandac20 5260MHz Ant1 Peak



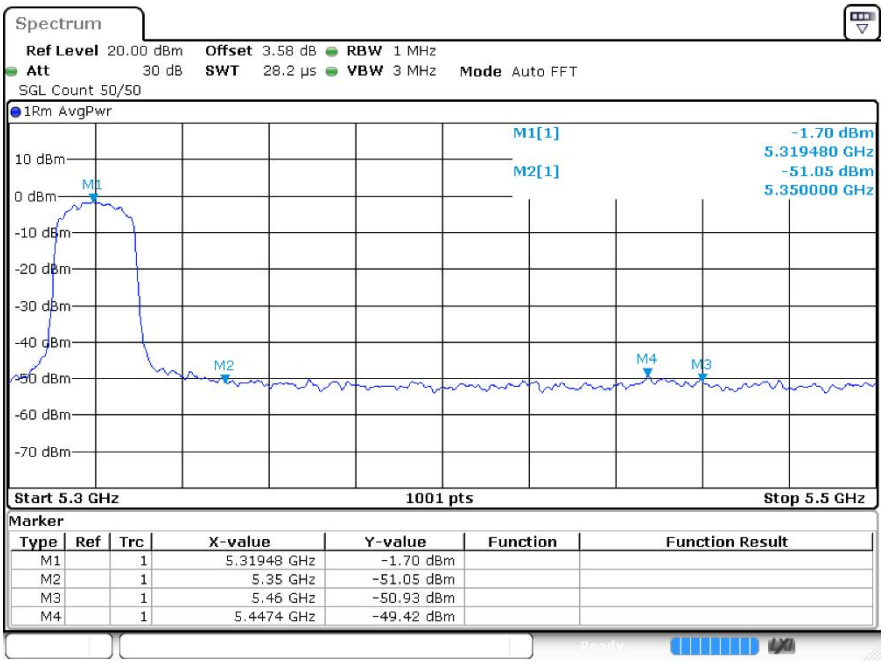
Restrict Band ac20 5260MHz Ant1 Average



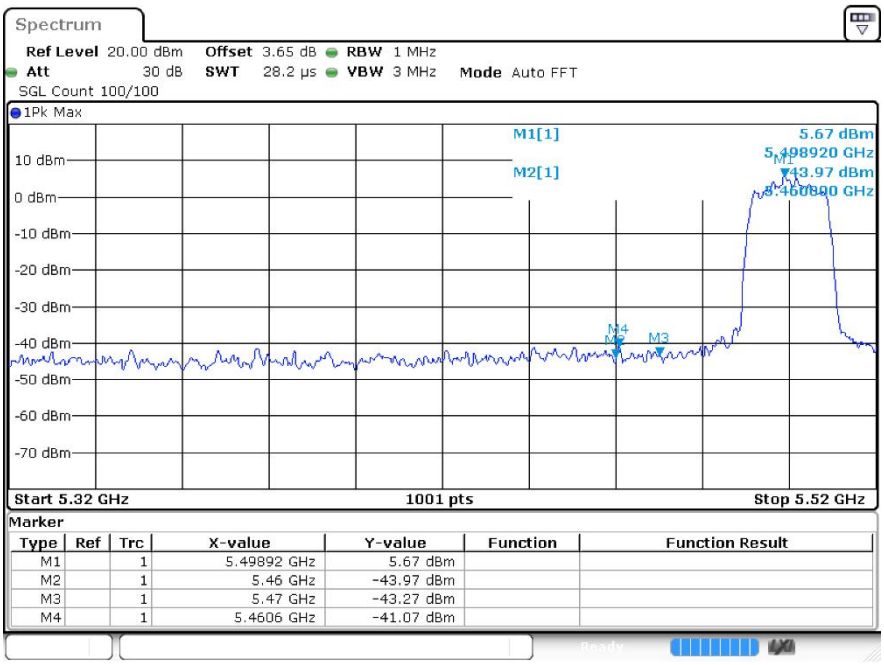
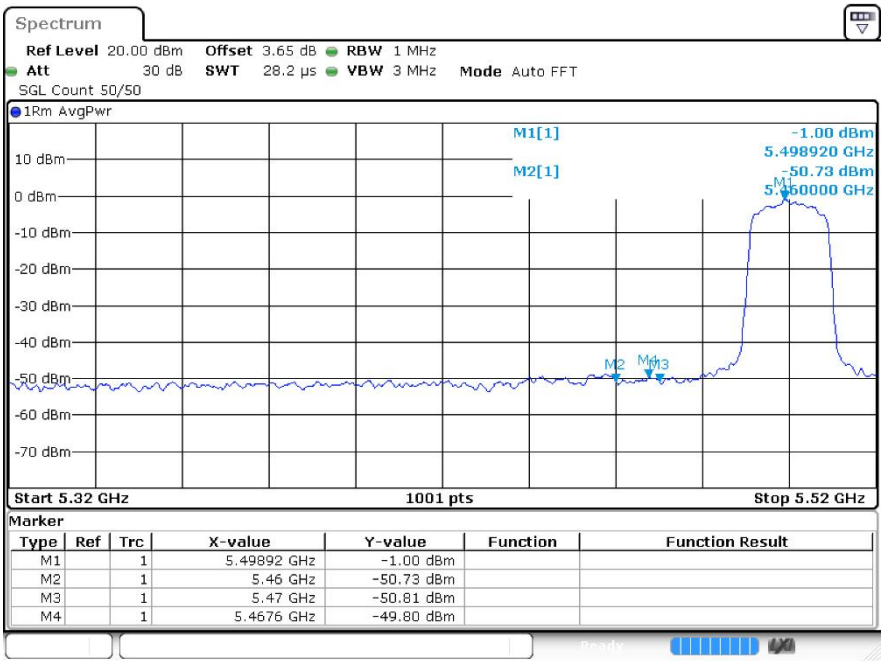
Restrict Bandac20 5320MHz Ant1 Peak



Restrict Band ac20 5320MHz Ant1 Average



Restrict Bandac20 5500MHz Ant1 Peak



Restrict Band ac20 5500MHz Ant1 Average