



Appendix D

RF Test Data for 5.2G WIFI(Conducted Measurement)

Product Name: AUTOMOTIVE DIAGNOSIS SYSTEM

Trade Mark: AUTEL

Test Model: MaxiCheck MX900

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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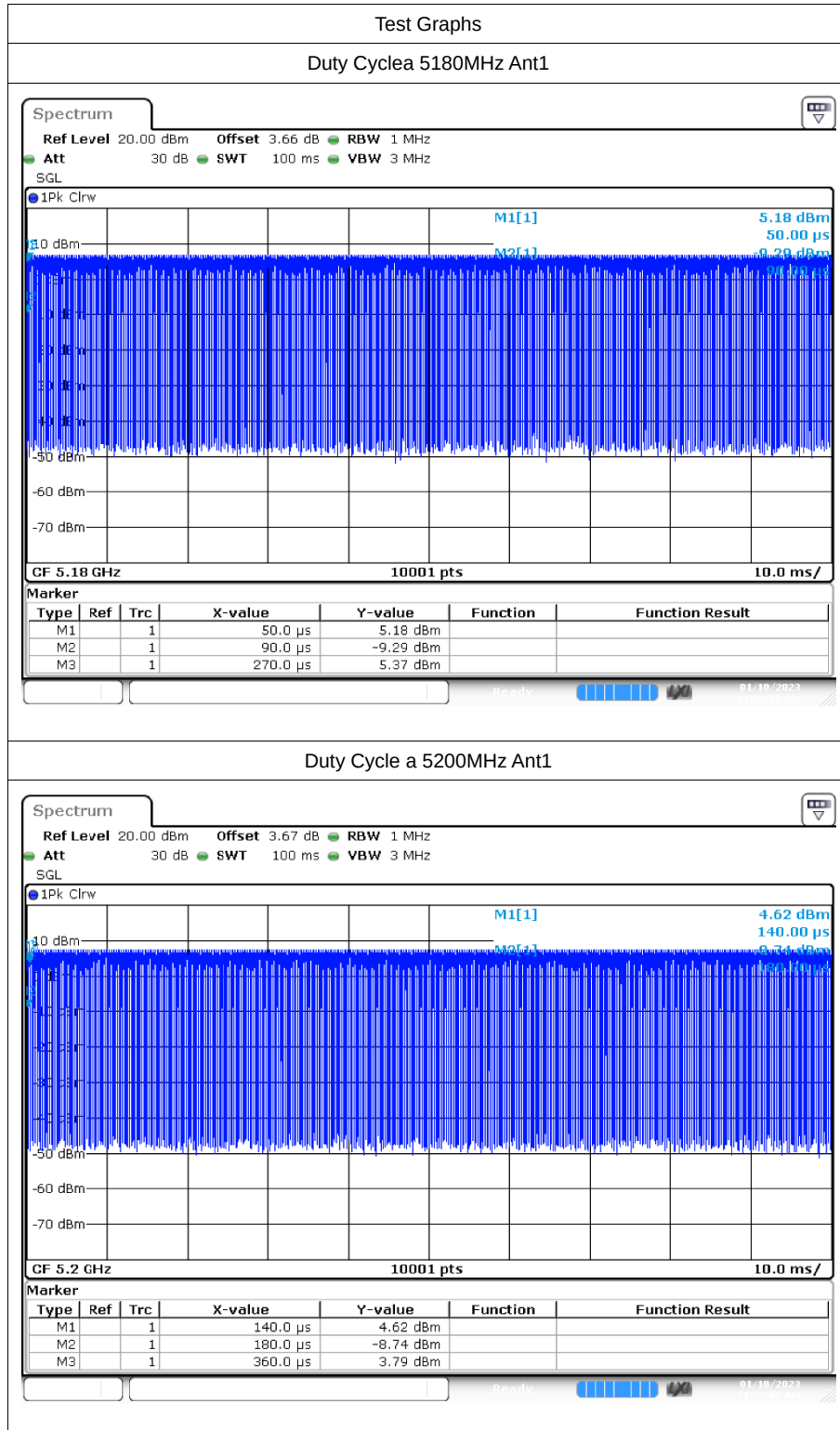
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	85.99	0.66	5.56
a	5200	Ant1	86.02	0.65	5.56
a	5240	Ant1	86.06	0.65	5.56
n20	5180	Ant1	85.22	0.69	5.88
n20	5200	Ant1	85.27	0.69	6.25
n20	5240	Ant1	85.25	0.69	5.88
n40	5190	Ant1	79.01	1.02	10
n40	5230	Ant1	79.07	1.02	10
ac20	5180	Ant1	85.47	0.68	5.88
ac20	5200	Ant1	85.75	0.67	5.88
ac20	5240	Ant1	85.51	0.68	5.88
ac40	5190	Ant1	77.75	1.09	11.11
ac40	5230	Ant1	77.81	1.09	10
ac80	5210	Ant1	68.34	1.65	14.29

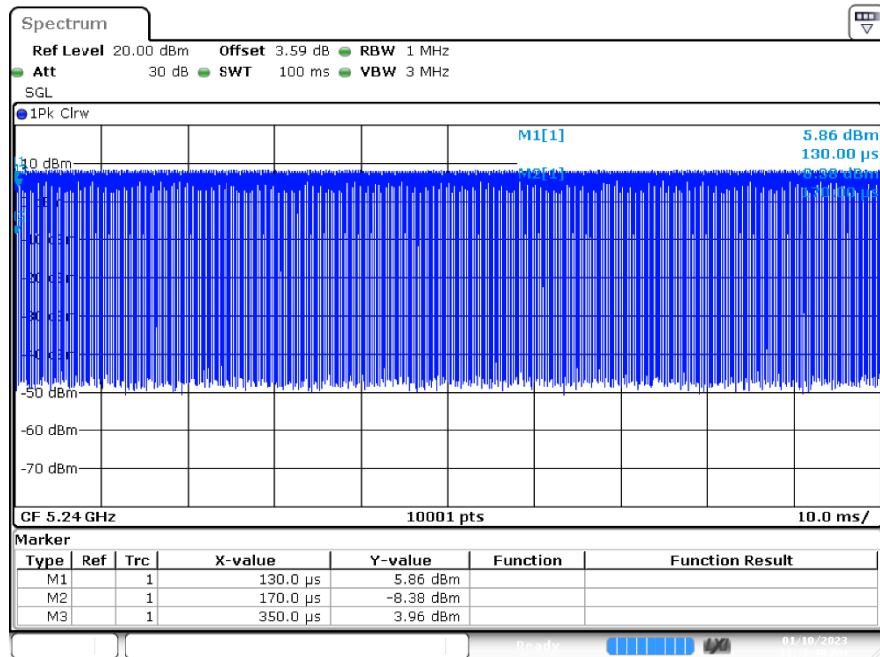


1.2 Test Graphs

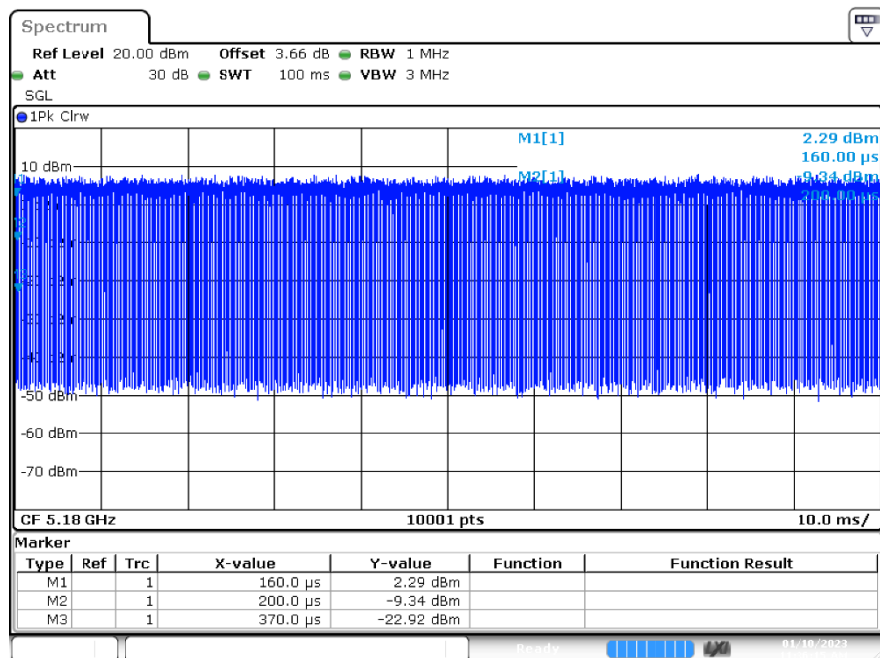


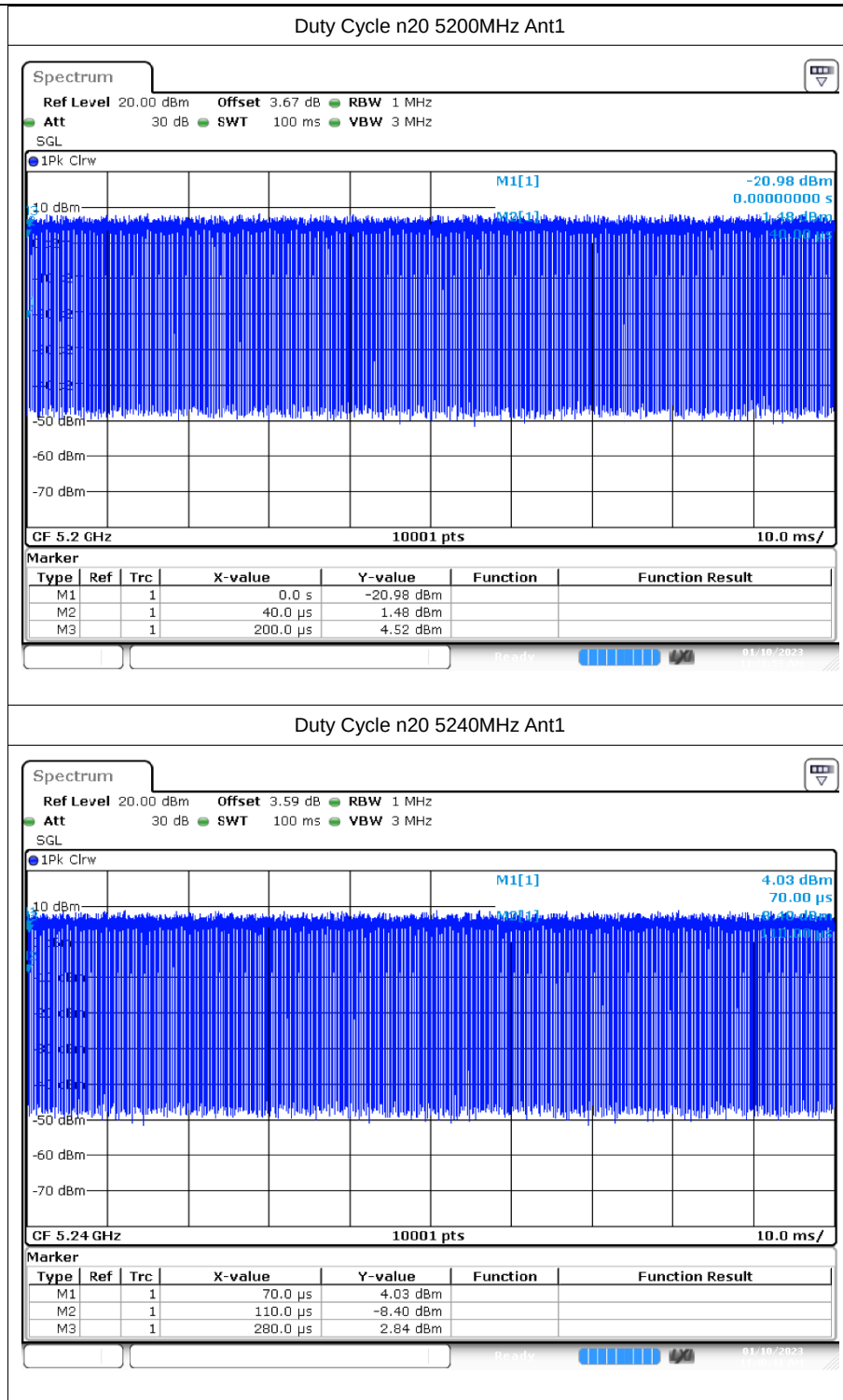


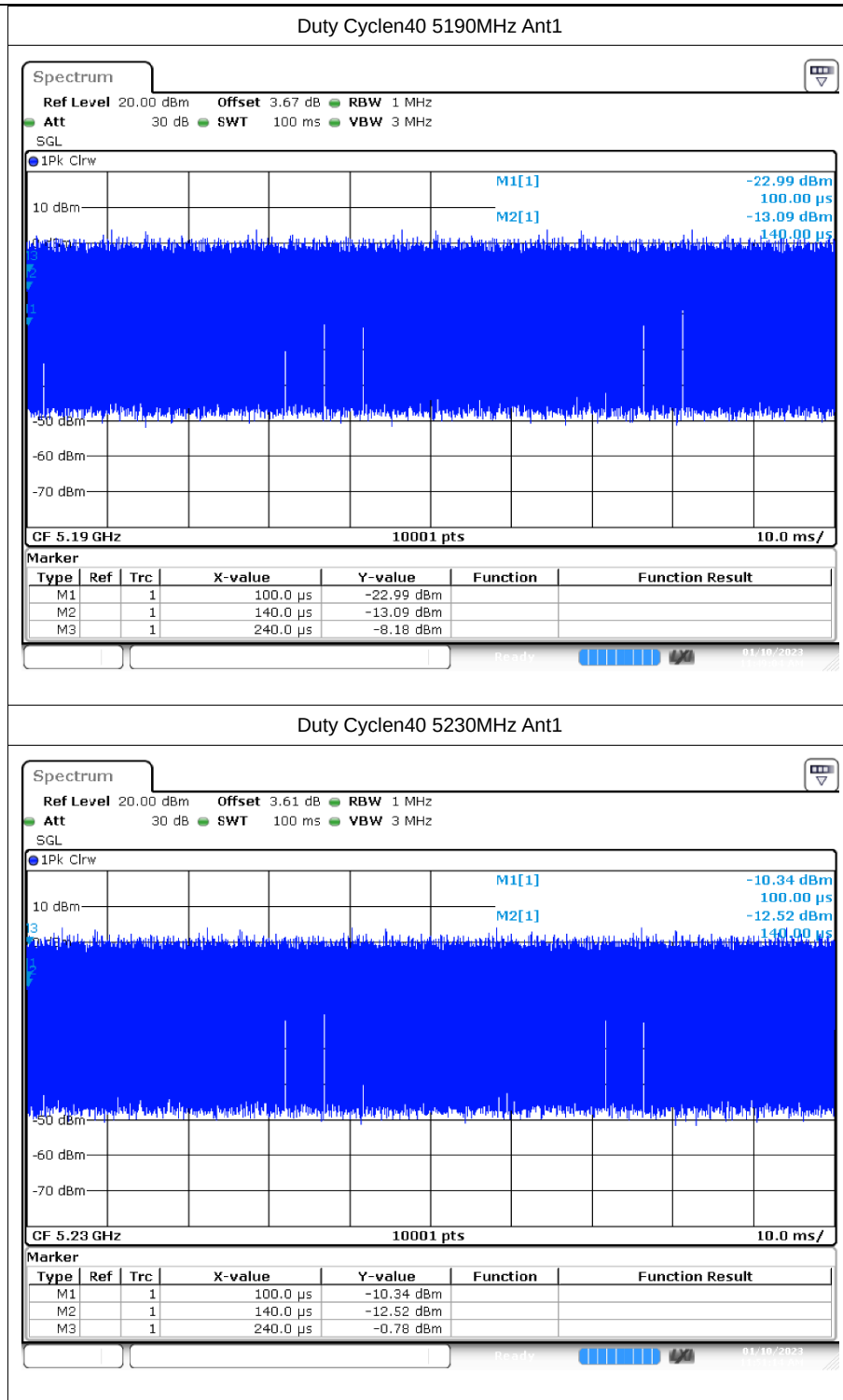
Duty Cyclea 5240MHz Ant1



Duty Cycle n20 5180MHz Ant1

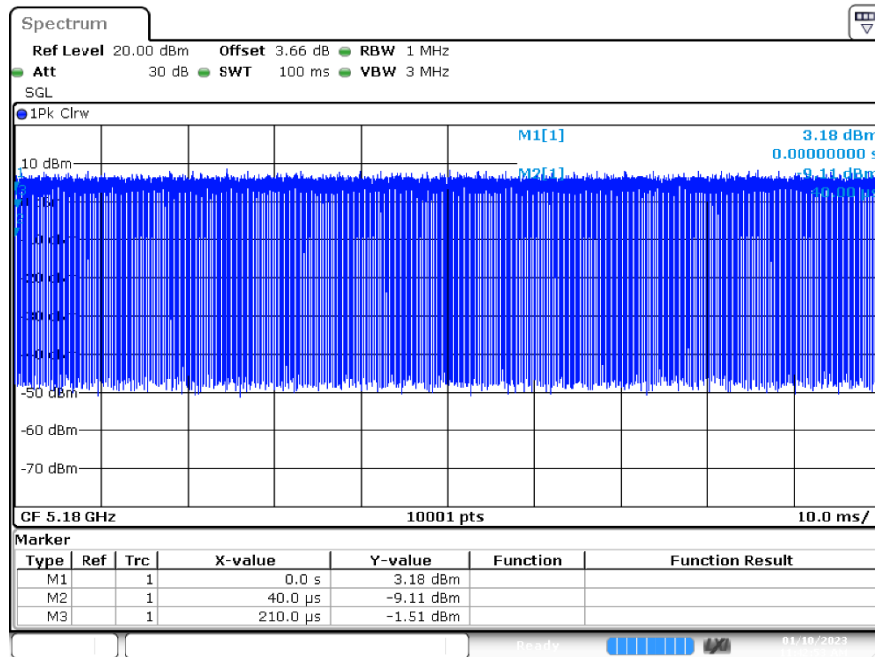




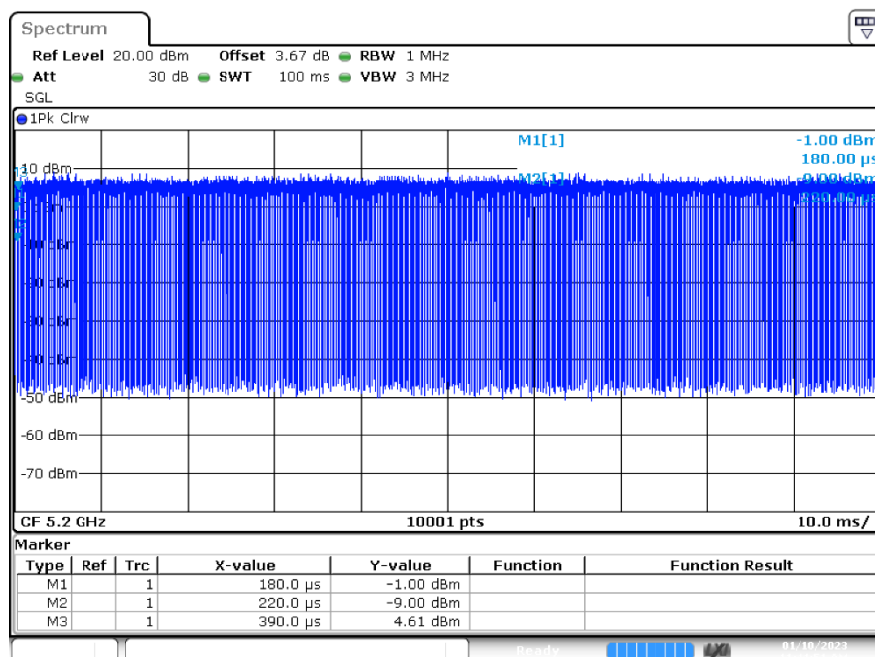




Duty Cycle ac20 5180MHz Ant1

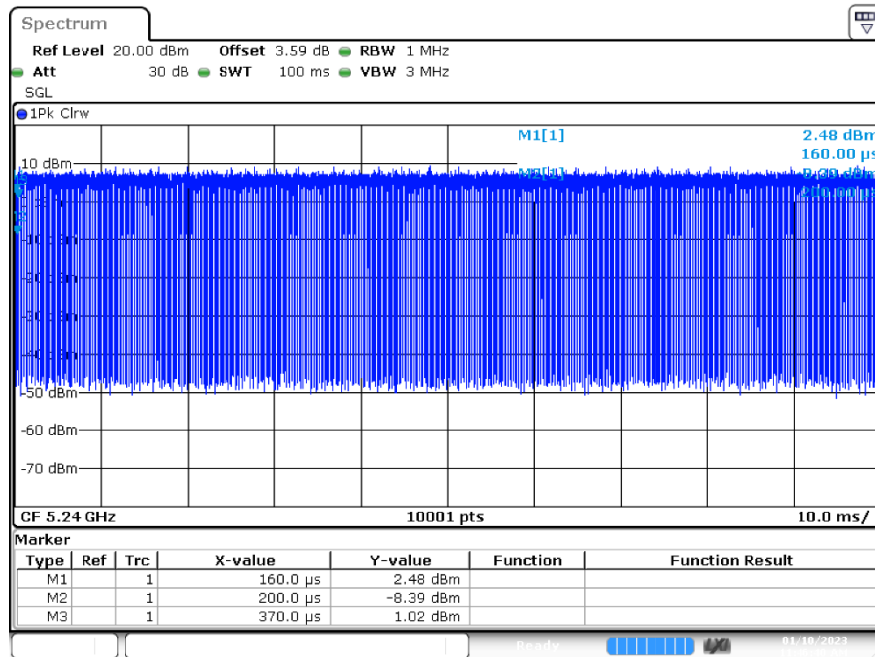


Duty Cycle ac20 5200MHz Ant1

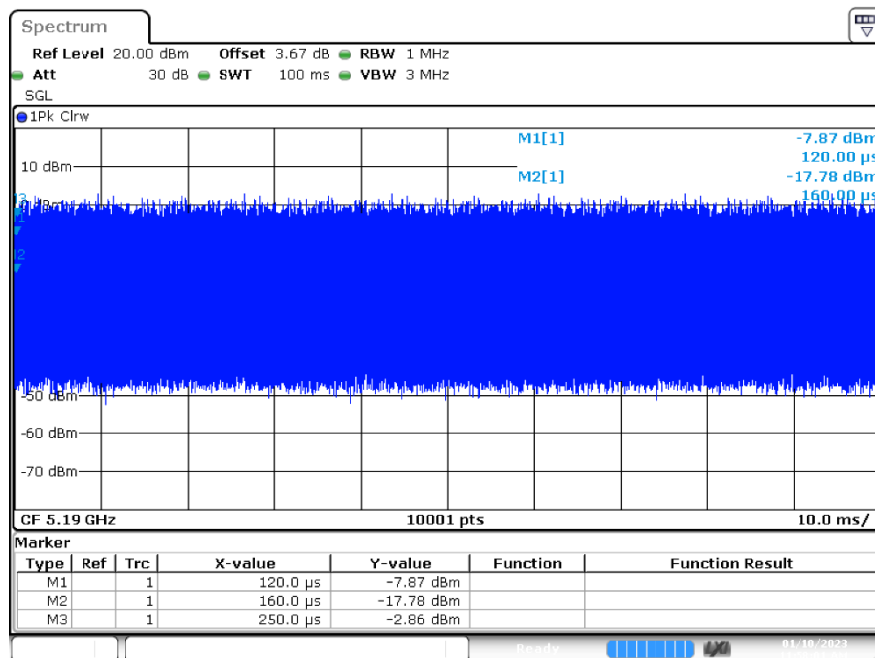


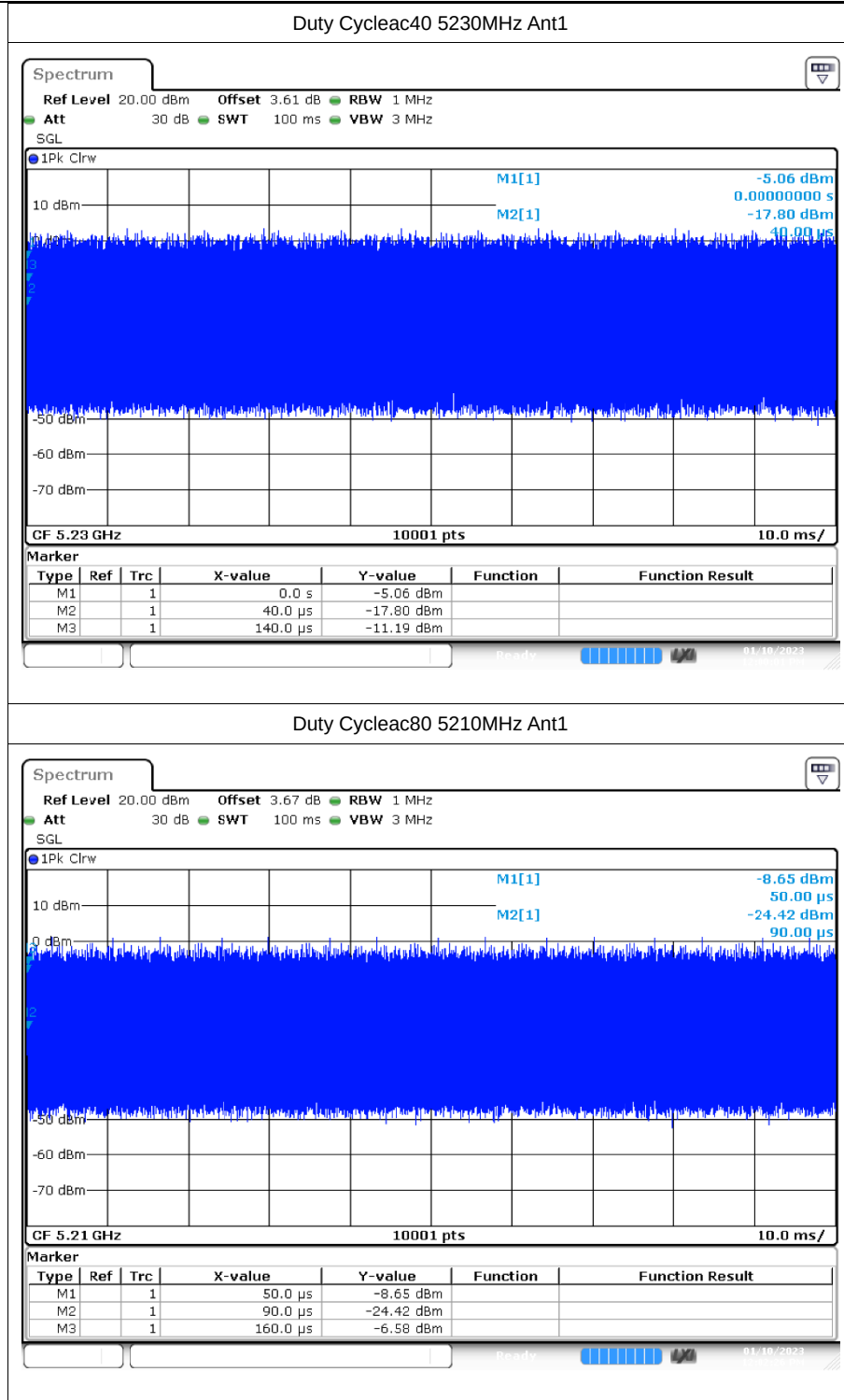


Duty Cycle ac20 5240MHz Ant1



Duty Cycleac40 5190MHz Ant1







2 Maximum Conducted Output Power

2.1 Test Result

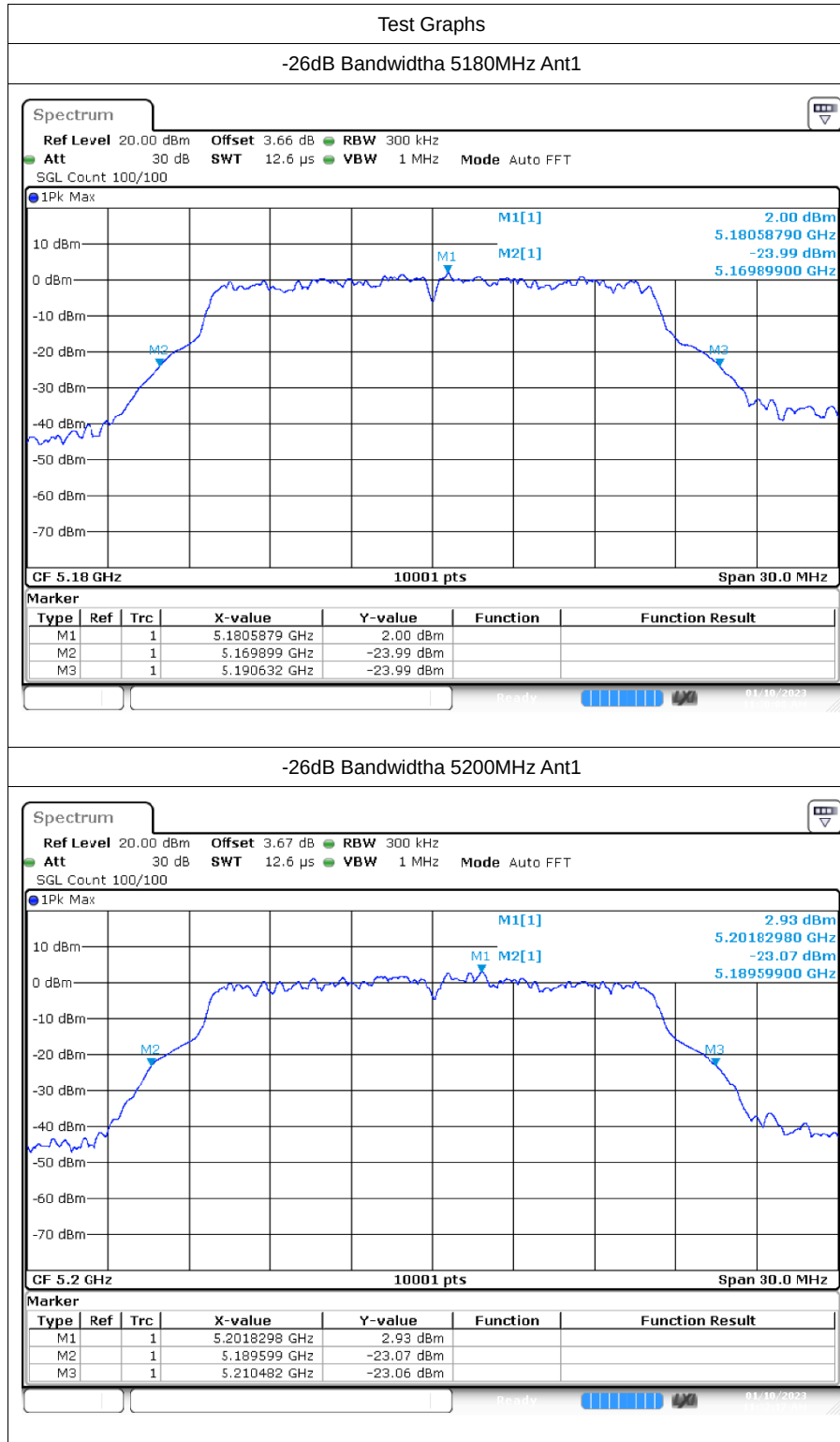
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Correction Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	13.71	0.66	14.37	24	Pass
a	5200	Ant1	14.19	0.65	14.84	24	Pass
a	5240	Ant1	14.93	0.65	15.58	24	Pass
n20	5180	Ant1	13.45	0.69	14.14	24	Pass
n20	5200	Ant1	13.78	0.69	14.47	24	Pass
n20	5240	Ant1	14.43	0.69	15.12	24	Pass
n40	5190	Ant1	12.65	1.02	13.67	24	Pass
n40	5230	Ant1	13.15	1.02	14.17	24	Pass
ac20	5180	Ant1	13.43	0.68	14.11	24	Pass
ac20	5200	Ant1	13.88	0.67	14.55	24	Pass
ac20	5240	Ant1	14.42	0.68	15.1	24	Pass
ac40	5190	Ant1	12.52	1.09	13.61	24	Pass
ac40	5230	Ant1	13.13	1.09	14.22	24	Pass
ac80	5210	Ant1	11.84	1.65	13.49	24	Pass

3 -26dB Bandwidth

3.1 Test Result

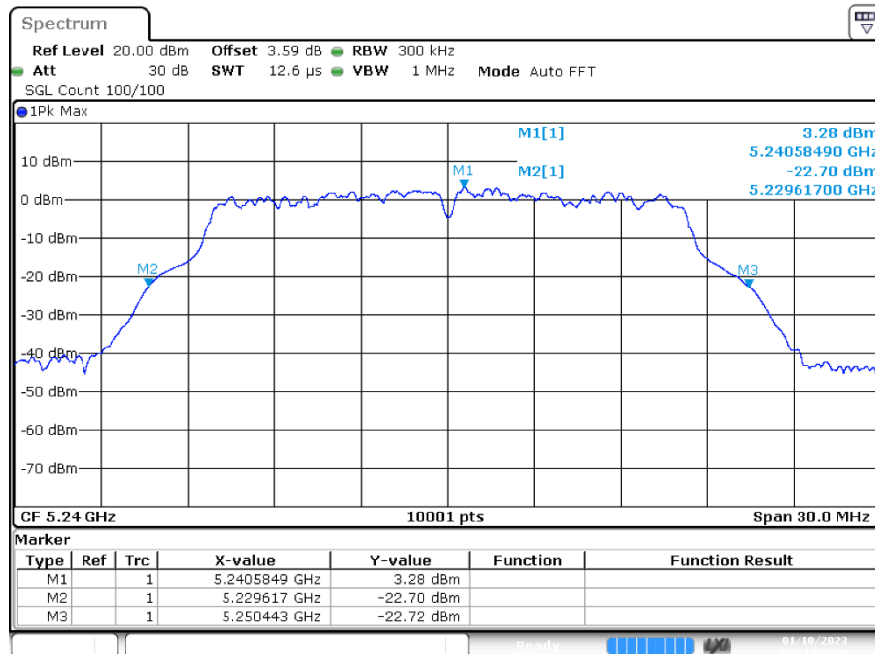
Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	20.733	/	Pass
a	5200	Ant1	20.883	/	Pass
a	5240	Ant1	20.826	/	Pass
n20	5180	Ant1	20.916	/	Pass
n20	5200	Ant1	20.778	/	Pass
n20	5240	Ant1	21.456	/	Pass
n40	5190	Ant1	39.024	/	Pass
n40	5230	Ant1	39.06	/	Pass
ac20	5180	Ant1	21.294	/	Pass
ac20	5200	Ant1	21.264	/	Pass
ac20	5240	Ant1	21.336	/	Pass
ac40	5190	Ant1	39.336	/	Pass
ac40	5230	Ant1	40.02	/	Pass
ac80	5210	Ant1	79.368	/	Pass

3.2 Test Graphs

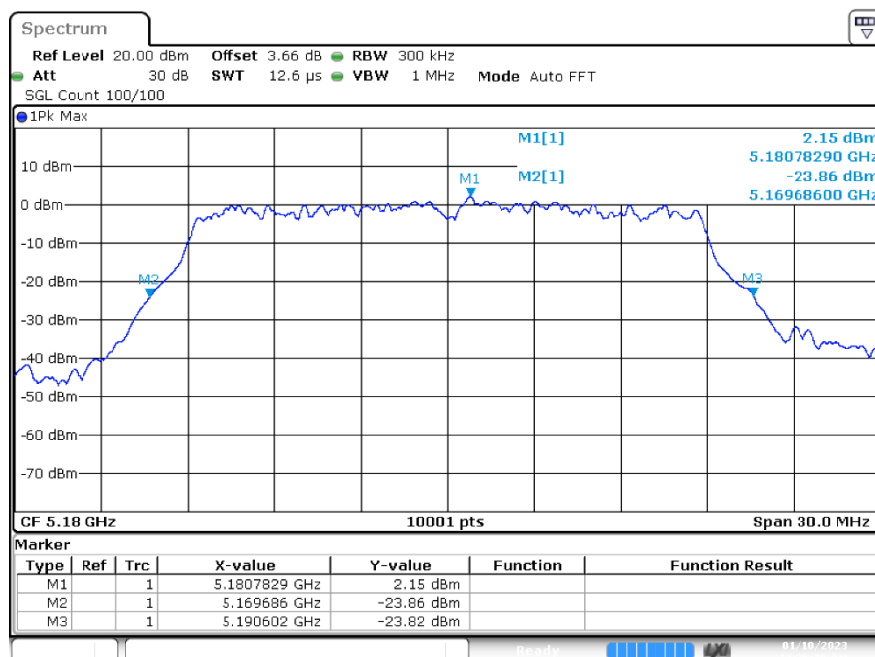




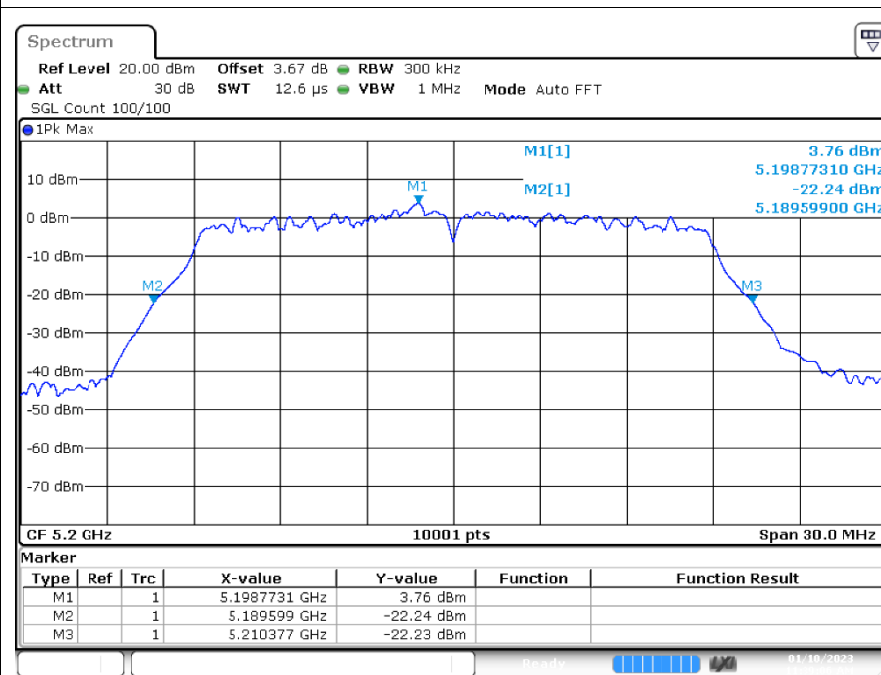
-26dB Bandwidth 5240MHz Ant1



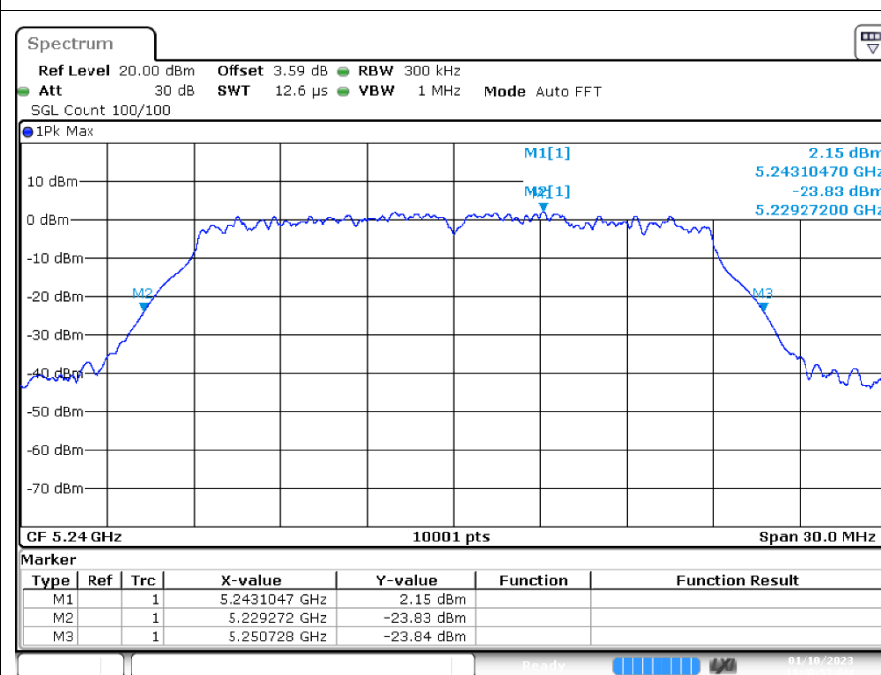
-26dB Bandwidth n20 5180MHz Ant1



-26dB Bandwidth n20 5200MHz Ant1

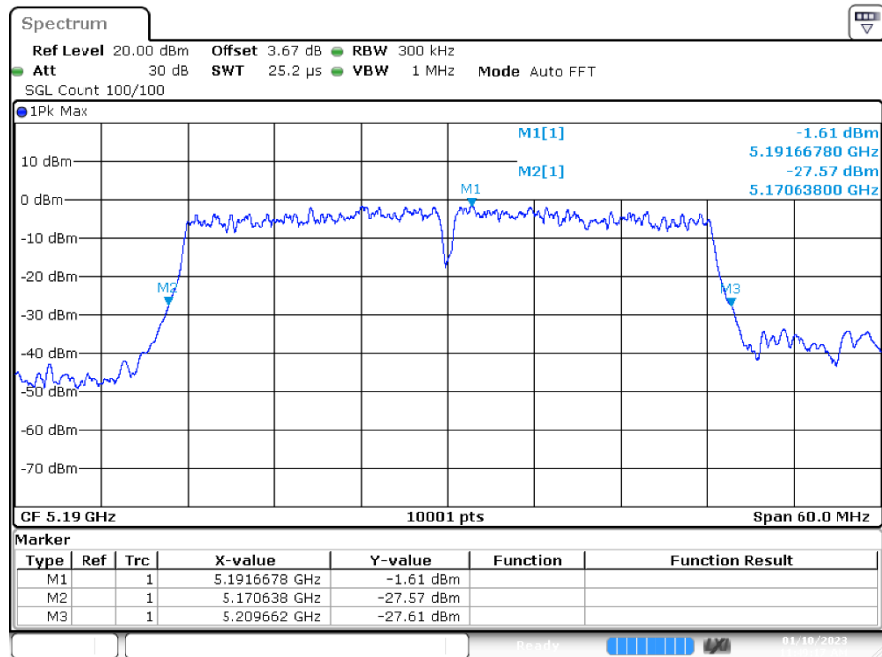


-26dB Bandwidth n20 5240MHz Ant1

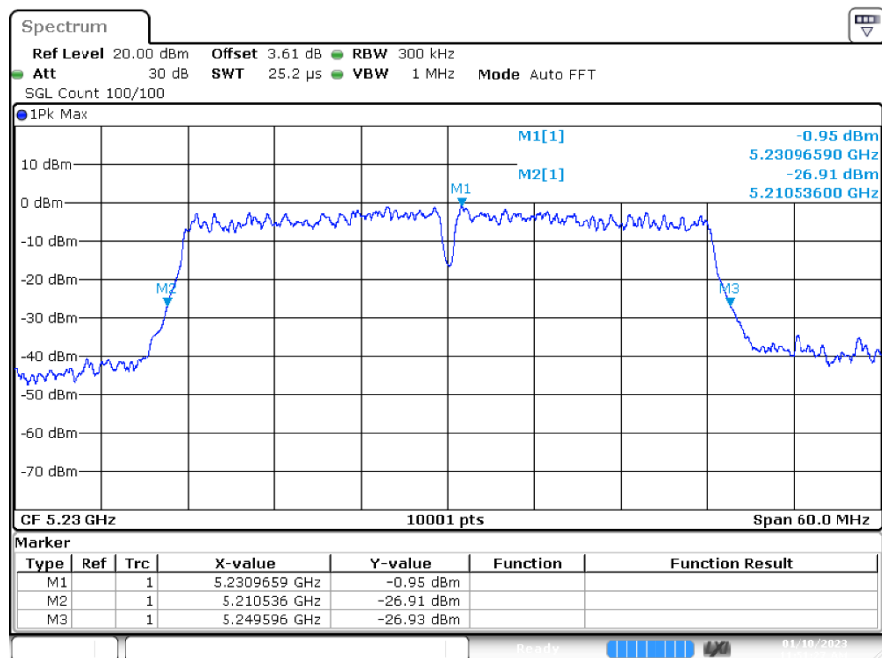




-26dB Bandwidthn40 5190MHz Ant1

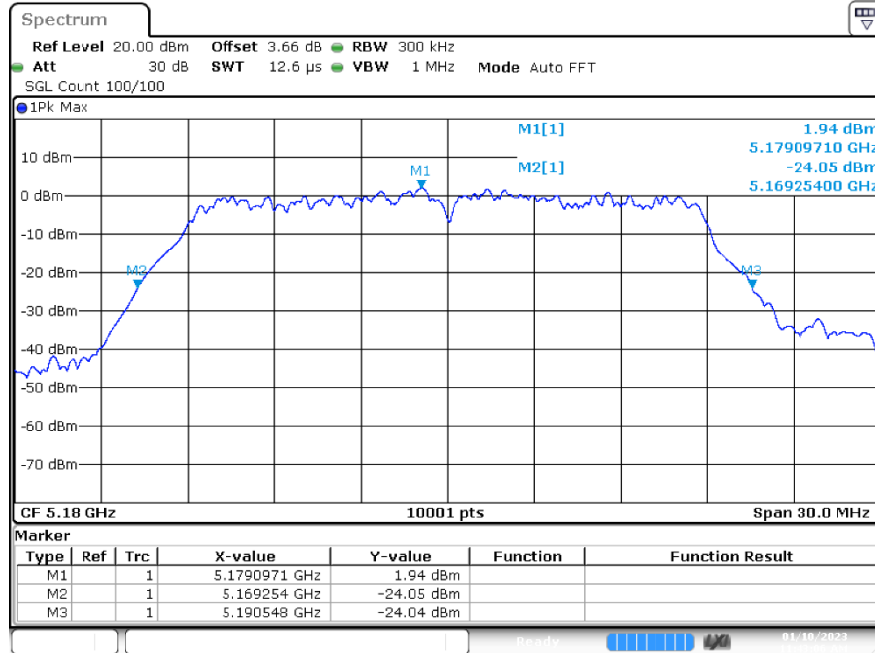


-26dB Bandwidthn40 5230MHz Ant1

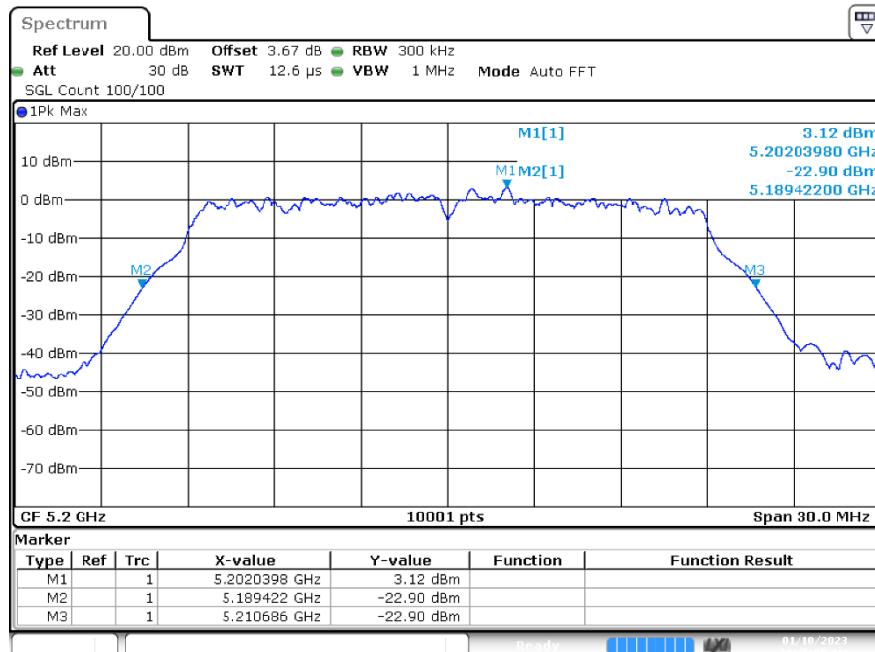




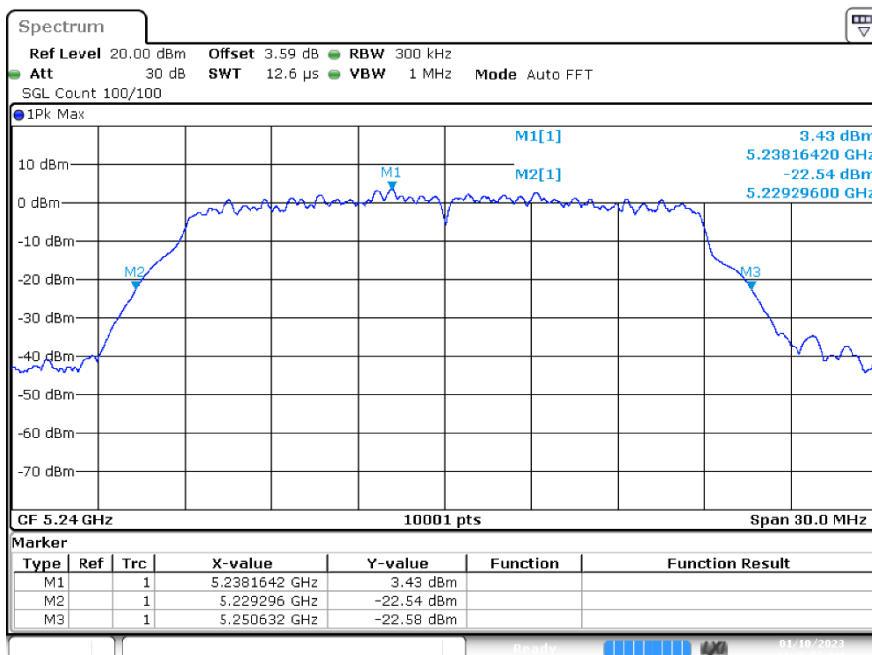
-26dB Bandwidth ac20 5180MHz Ant1



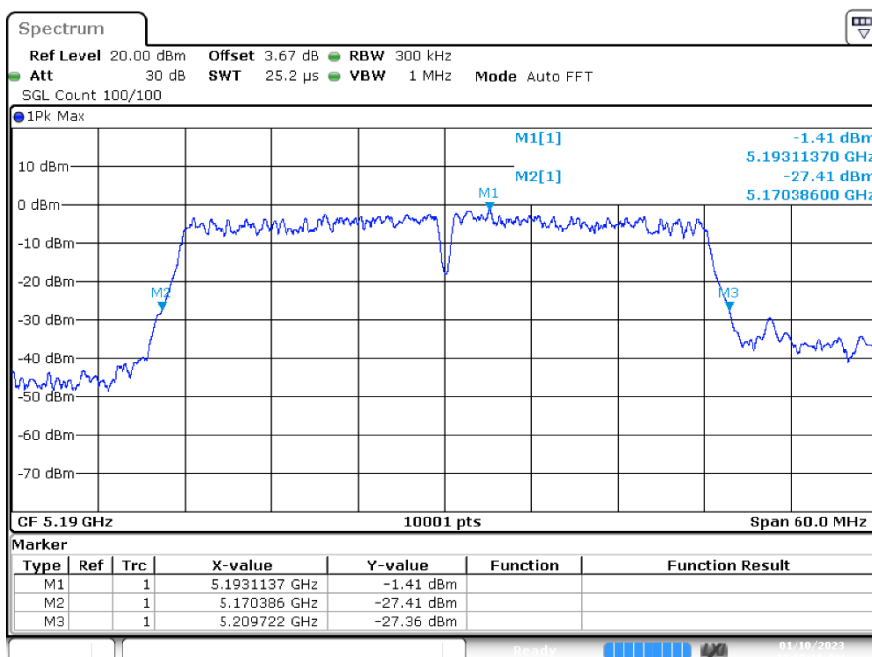
-26dB Bandwidth ac20 5200MHz Ant1



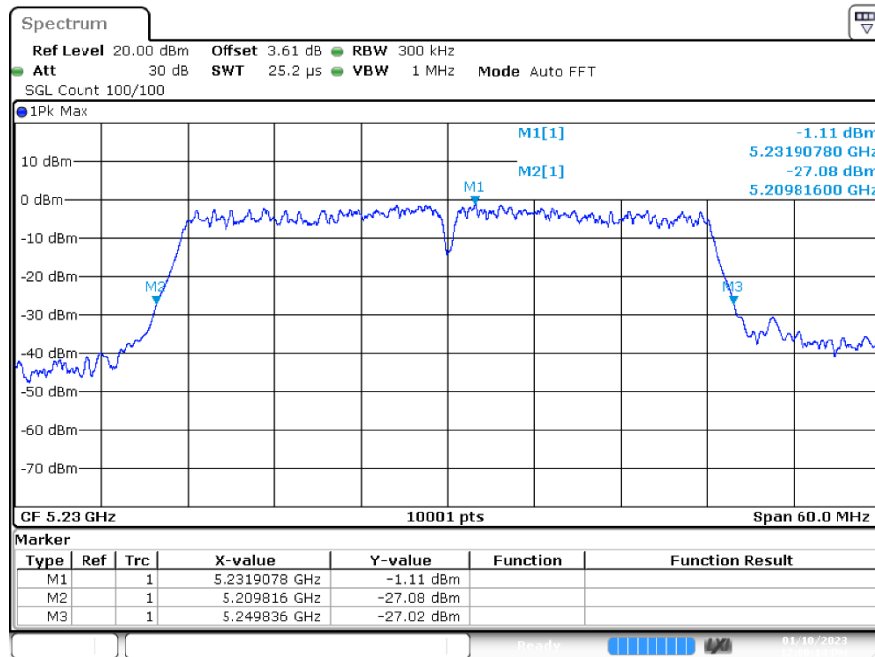
-26dB Bandwidth ac20 5240MHz Ant1



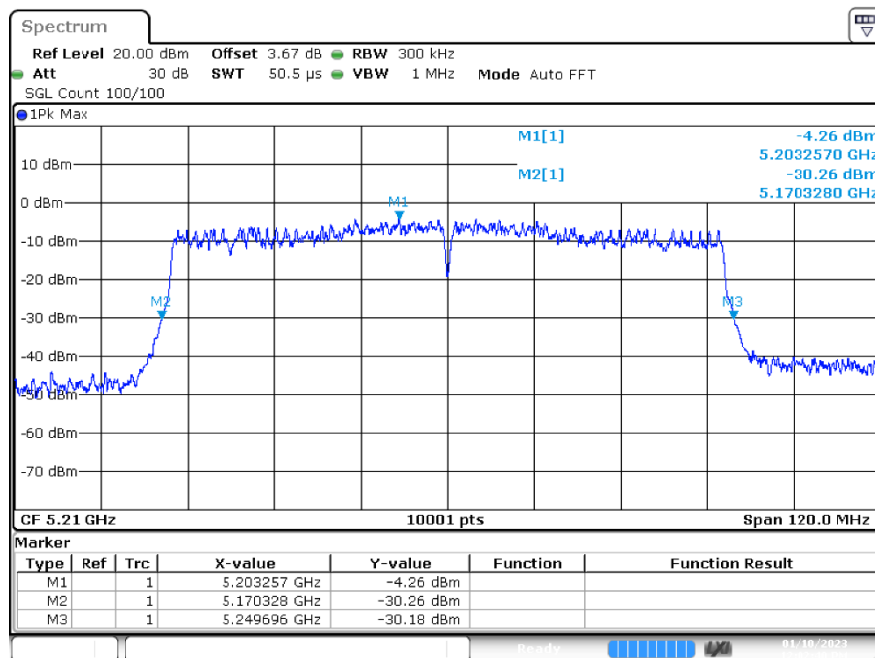
-26dB Bandwidthac40 5190MHz Ant1



-26dB Bandwidthac40 5230MHz Ant1



-26dB Bandwidthac80 5210MHz Ant1



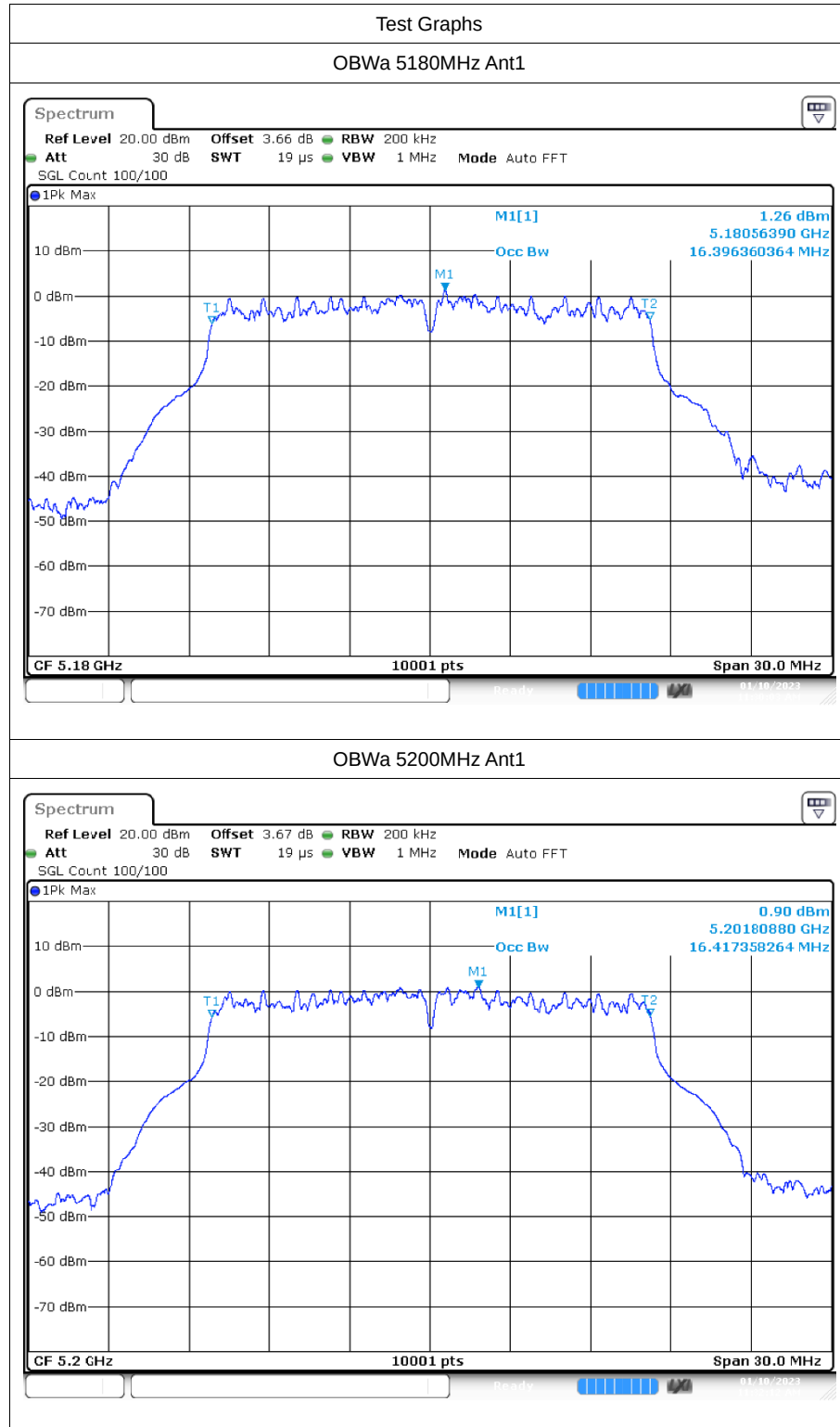


4 Occupied Channel Bandwidth

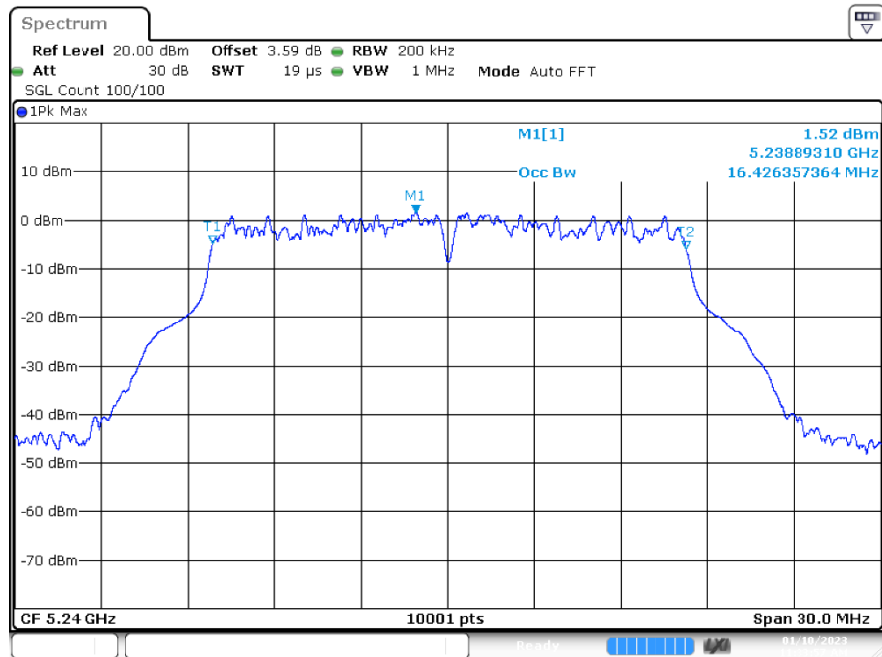
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.396
a	5200	Ant1	16.417
a	5240	Ant1	16.426
n20	5180	Ant1	17.719
n20	5200	Ant1	17.71
n20	5240	Ant1	17.683
n40	5190	Ant1	36.164
n40	5230	Ant1	36.236
ac20	5180	Ant1	17.758
ac20	5200	Ant1	17.626
ac20	5240	Ant1	17.746
ac40	5190	Ant1	36.068
ac40	5230	Ant1	36.332
ac80	5210	Ant1	75.448

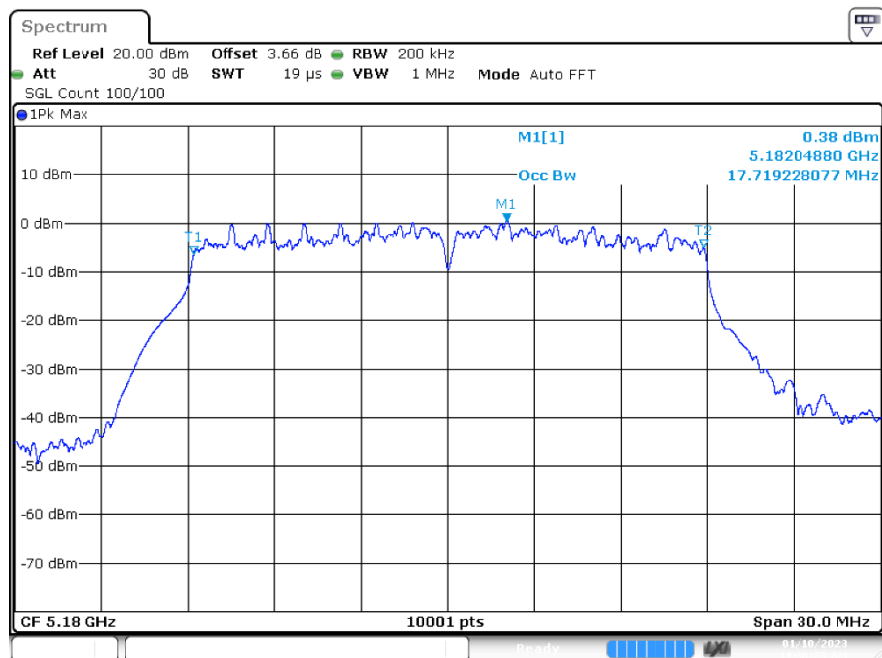
4.2 Test Graphs



OBWa 5240MHz Ant1

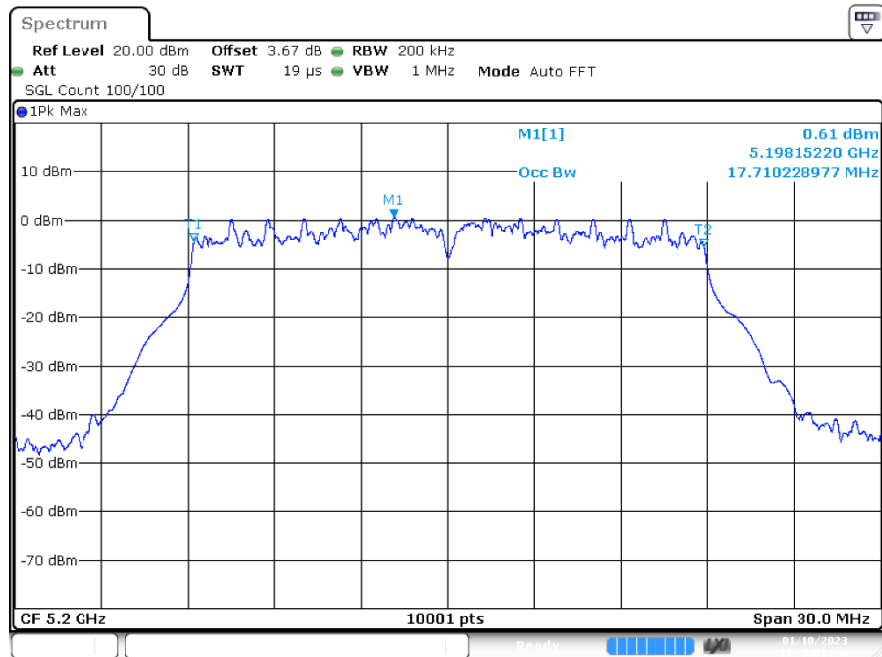


OBW n20 5180MHz Ant1

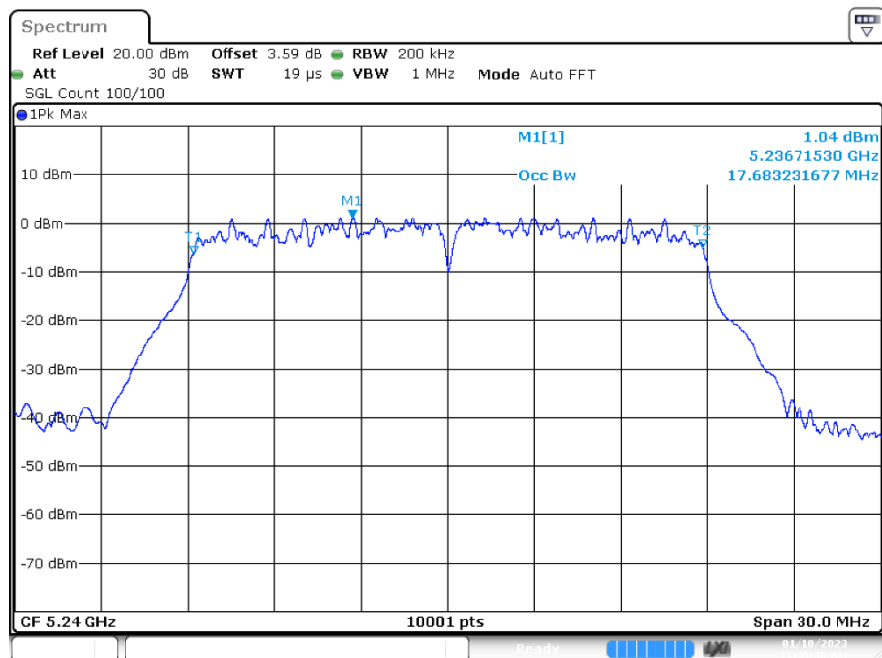




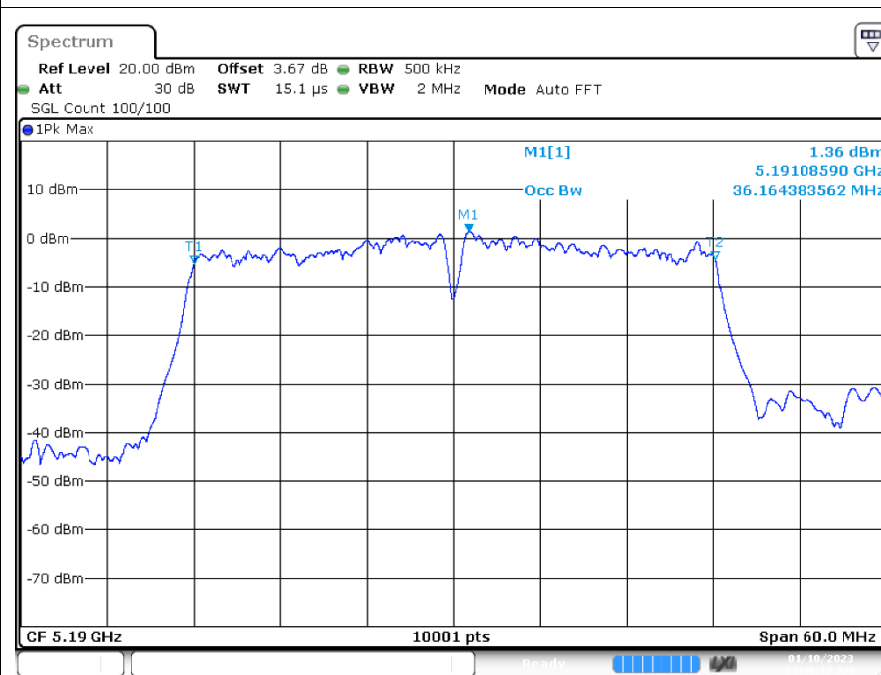
OBW n20 5200MHz Ant1



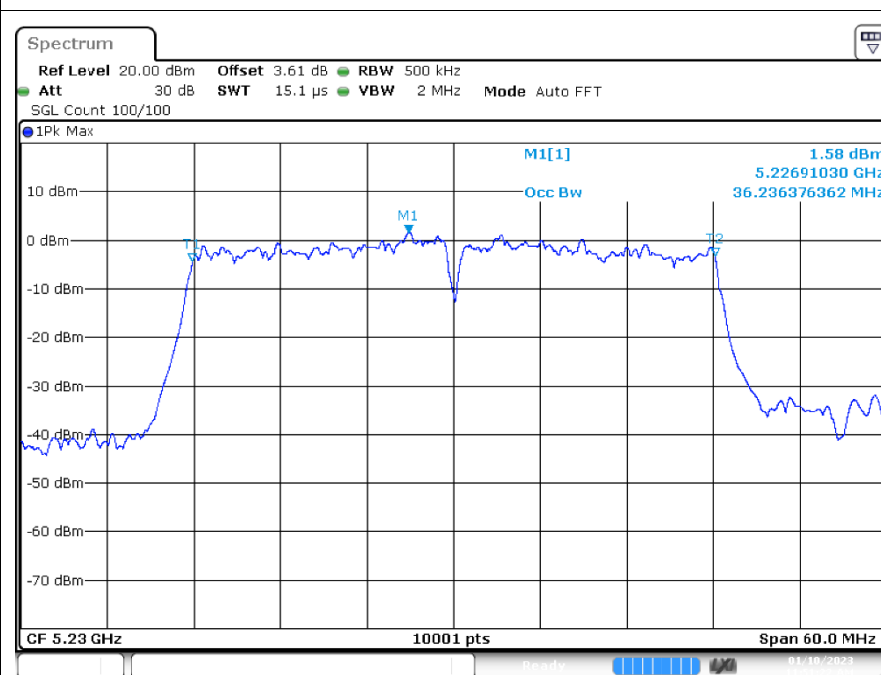
OBW n20 5240MHz Ant1



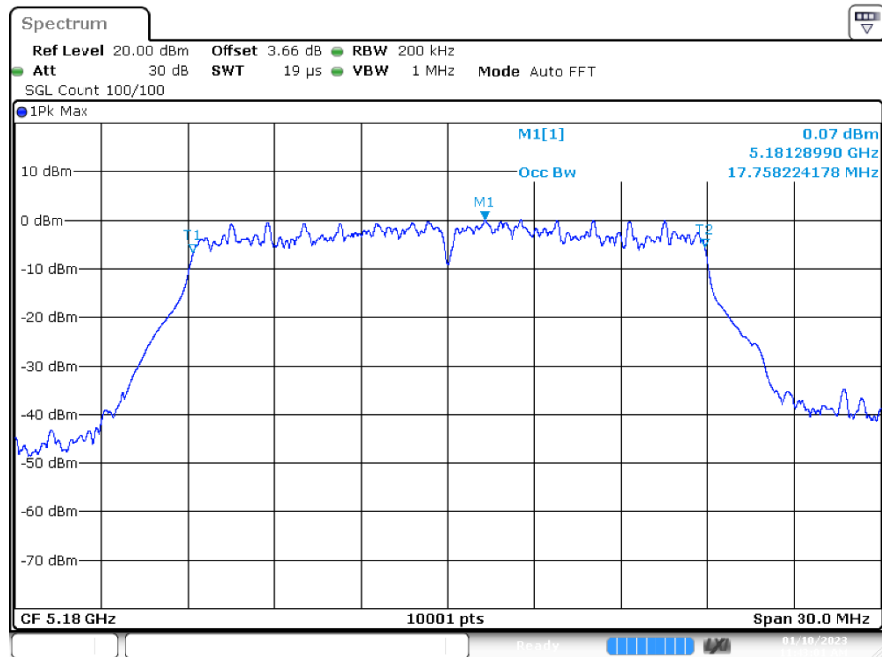
OBWn40 5190MHz Ant1



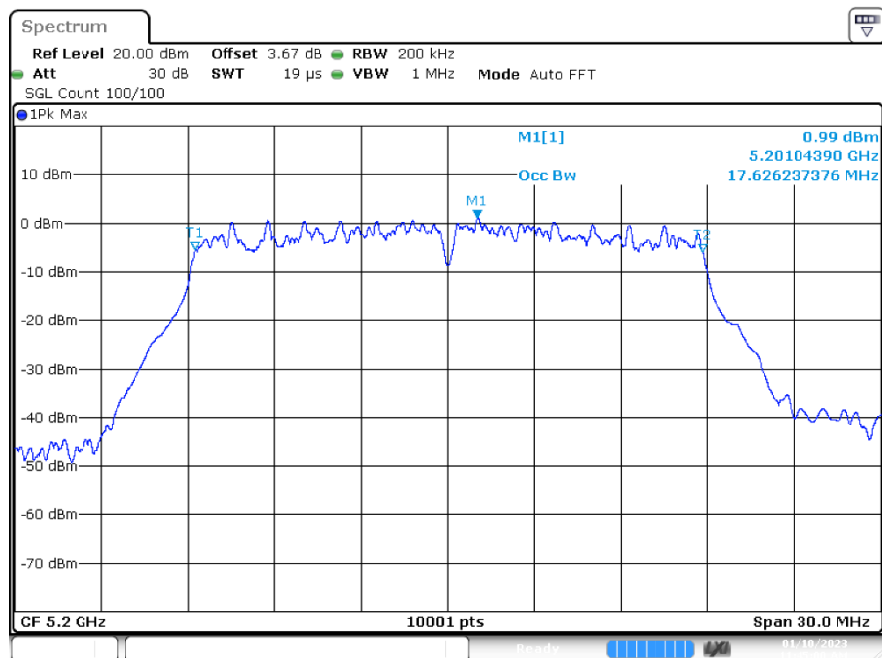
OBWn40 5230MHz Ant1

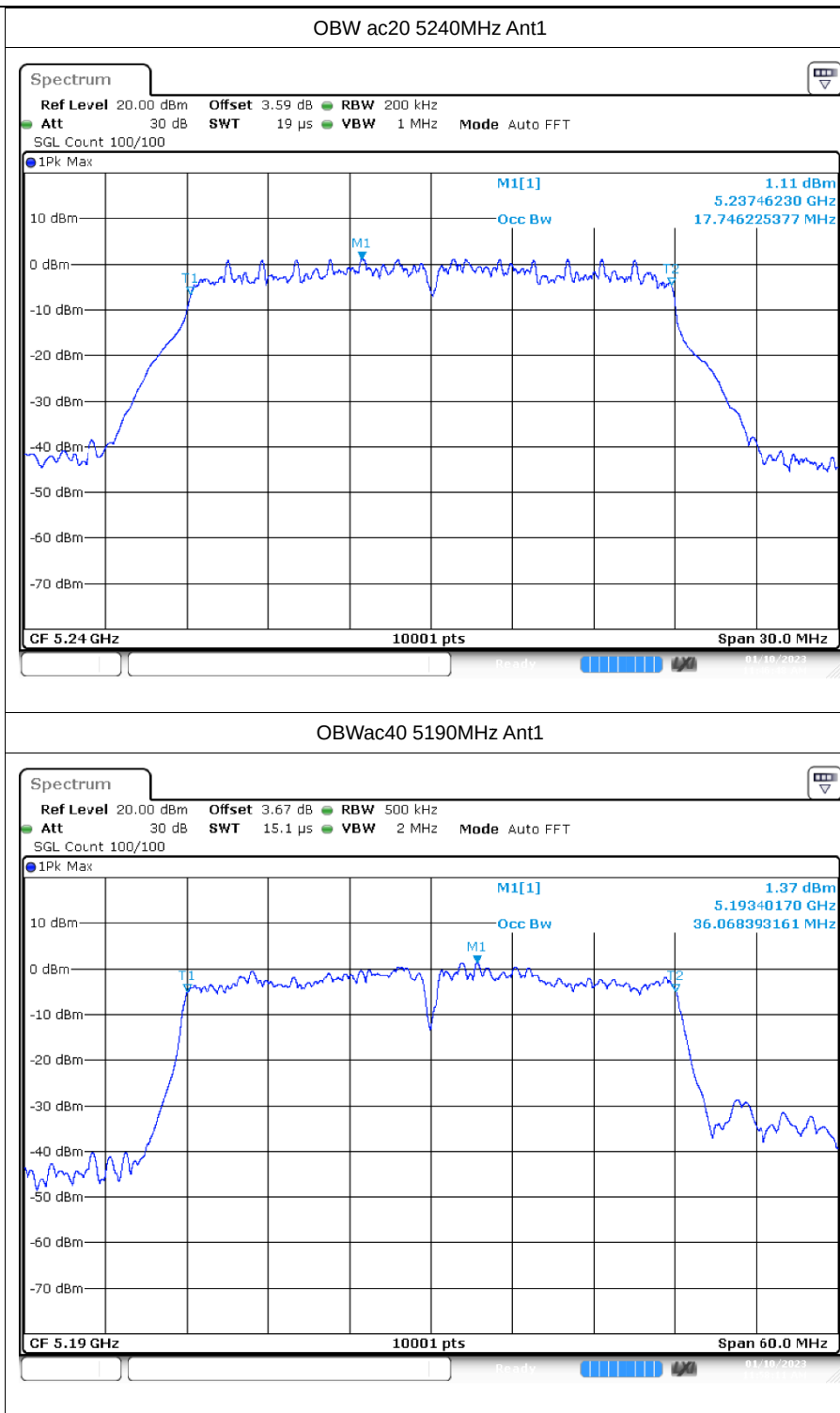


OBW ac20 5180MHz Ant1

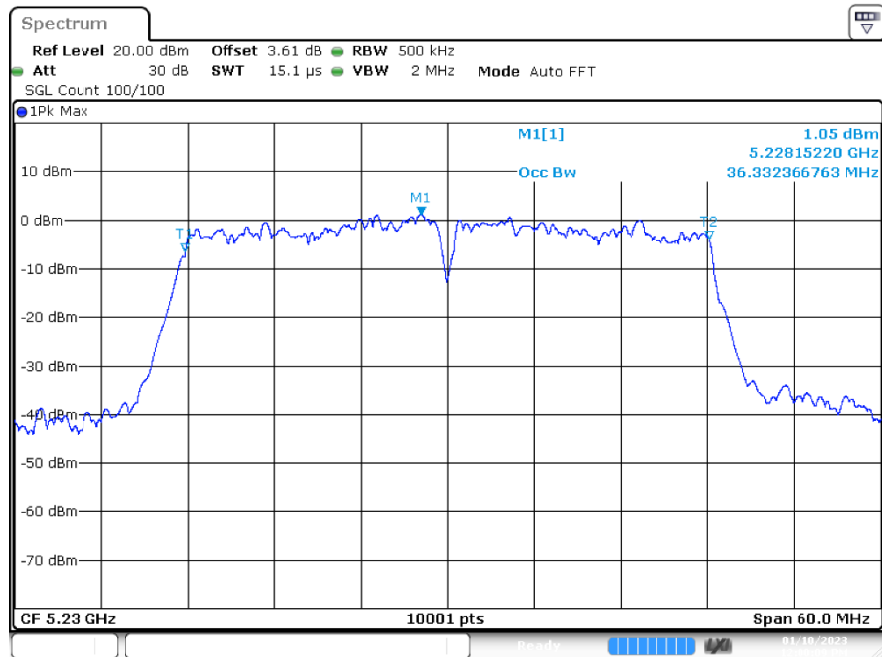


OBW ac20 5200MHz Ant1

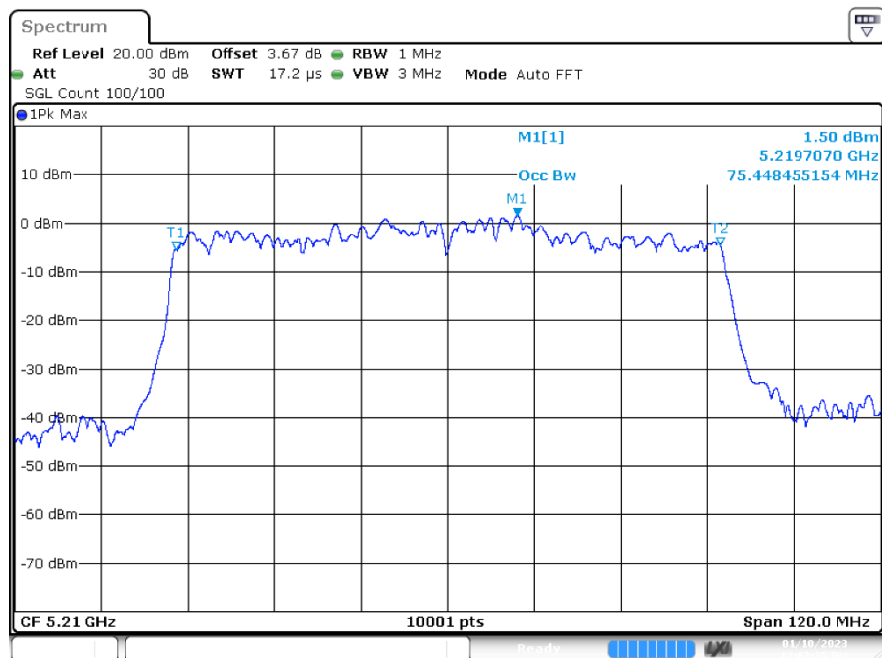




OBWac40 5230MHz Ant1



OBWac80 5210MHz Ant1



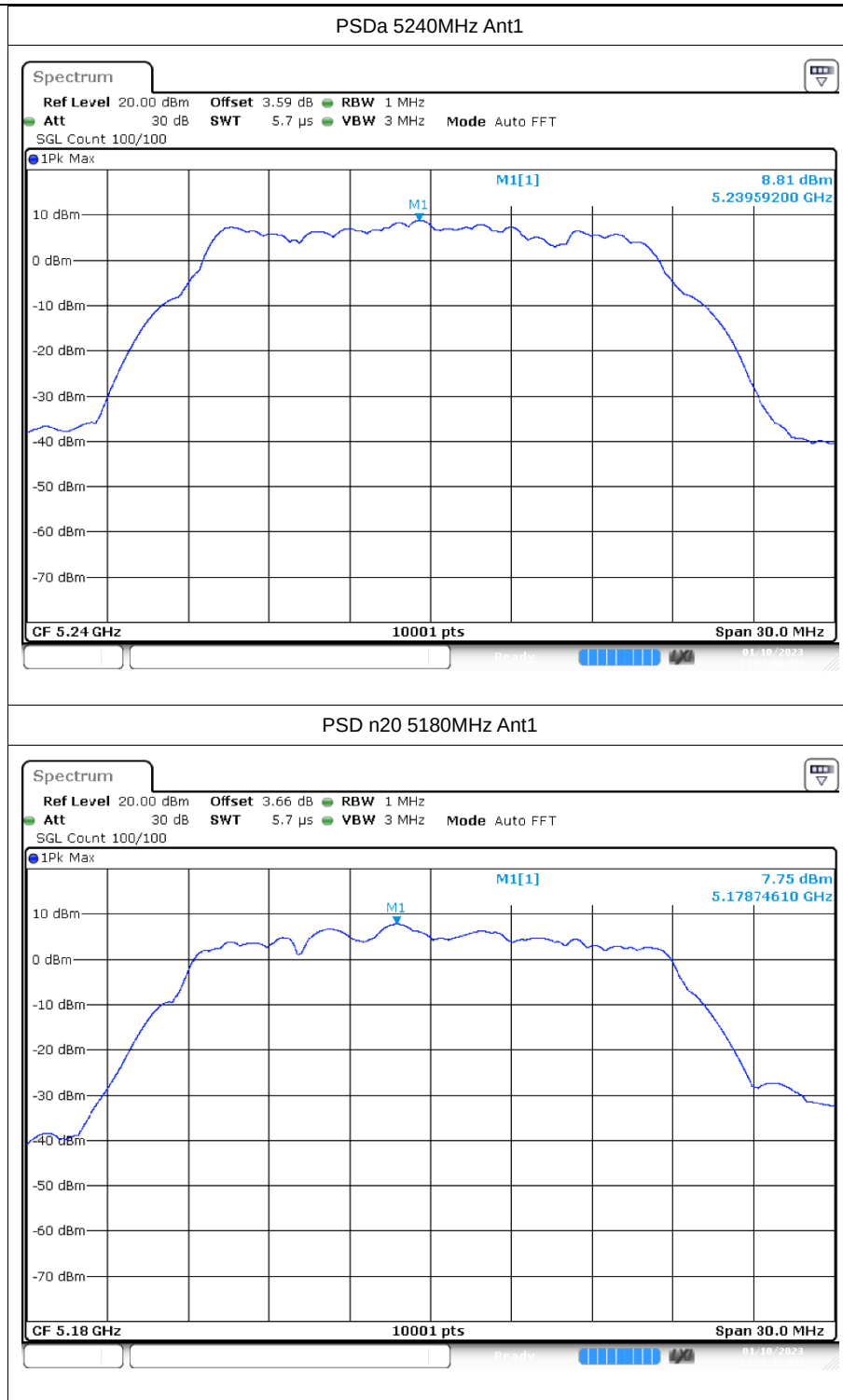
5 Maximum Power Spectral Density Level

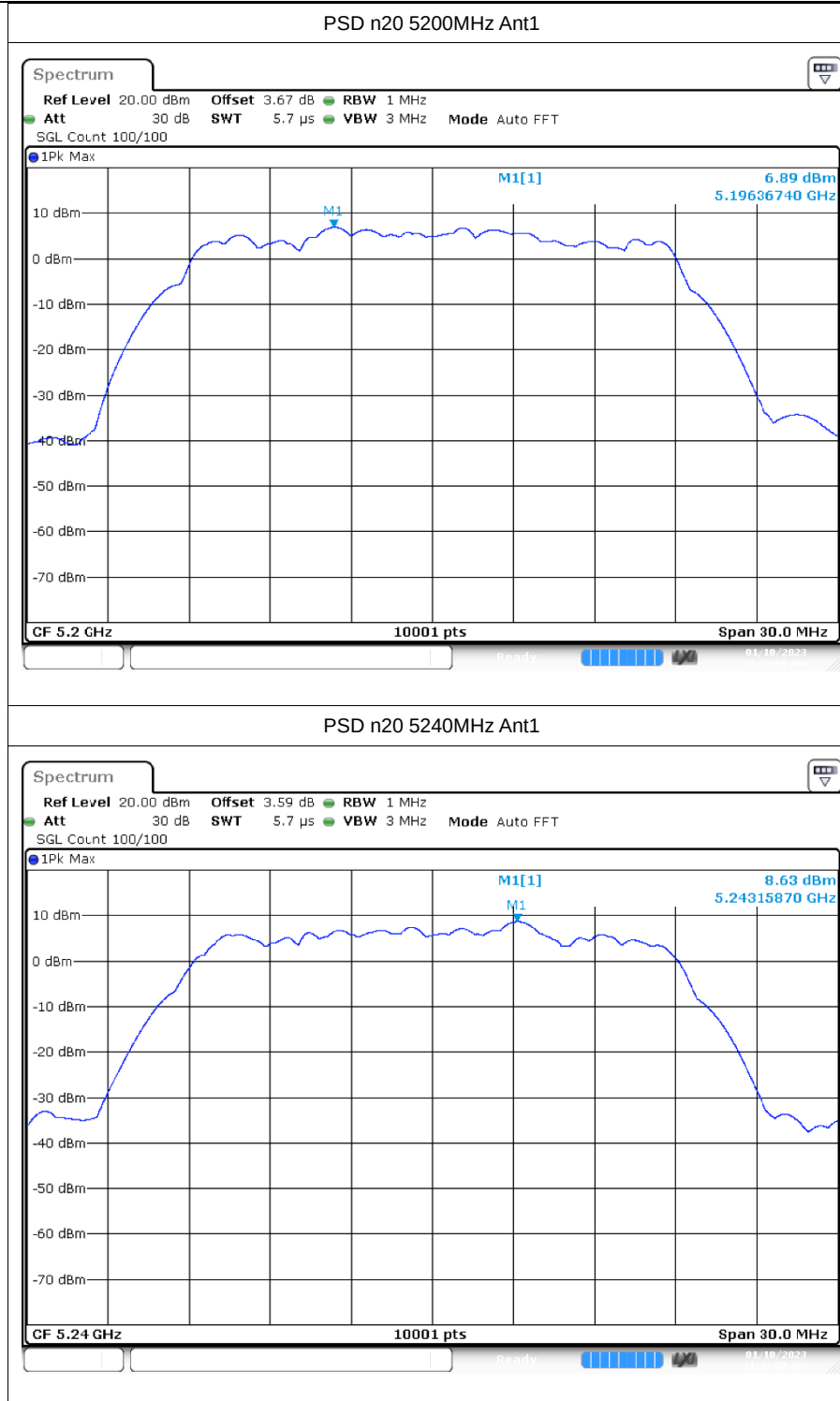
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	8.05	0.66	8.71	11	Pass
a	5200	Ant1	7.79	0.65	8.44	11	Pass
a	5240	Ant1	8.81	0.65	9.46	11	Pass
n20	5180	Ant1	7.75	0.69	8.44	11	Pass
n20	5200	Ant1	6.89	0.69	7.58	11	Pass
n20	5240	Ant1	8.63	0.69	9.32	11	Pass
n40	5190	Ant1	4.27	1.02	5.29	11	Pass
n40	5230	Ant1	5.46	1.02	6.48	11	Pass
ac20	5180	Ant1	7.72	0.68	8.40	11	Pass
ac20	5200	Ant1	8.66	0.67	9.33	11	Pass
ac20	5240	Ant1	8.52	0.68	9.20	11	Pass
ac40	5190	Ant1	3.61	1.09	4.70	11	Pass
ac40	5230	Ant1	4.31	1.09	5.40	11	Pass
ac80	5210	Ant1	2.09	1.65	3.74	11	Pass

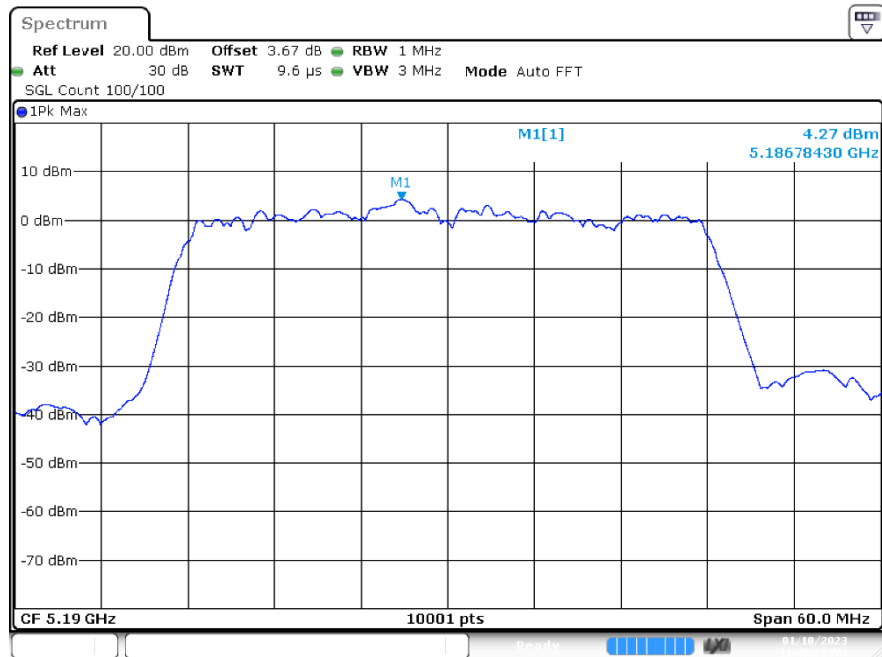
5.2 Test Graphs



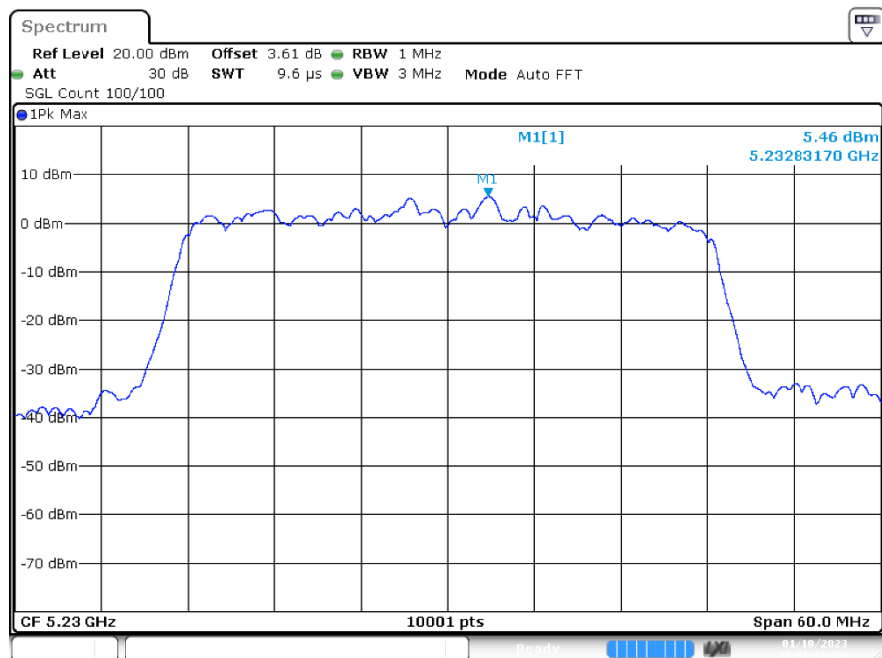




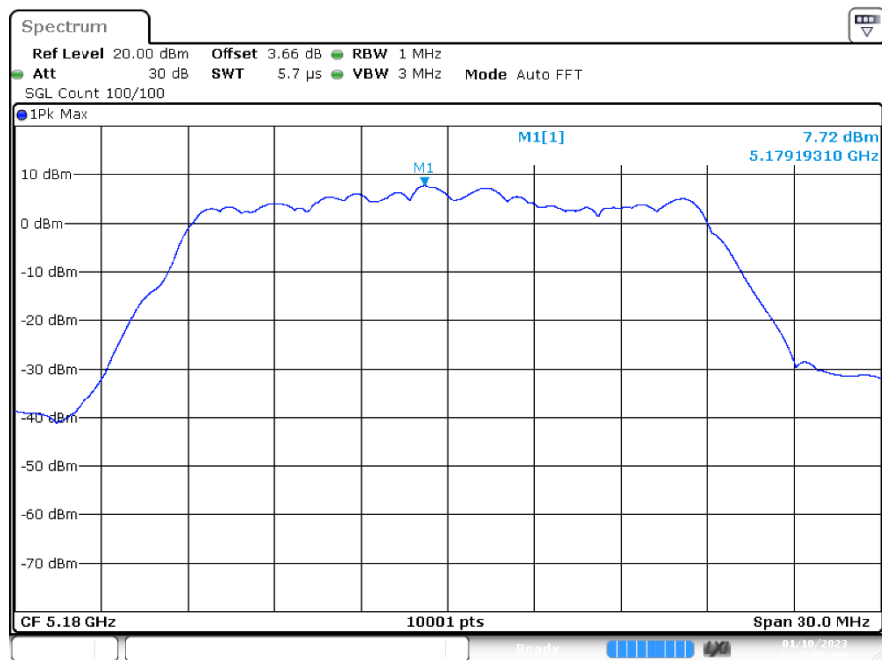
PSDn40 5190MHz Ant1



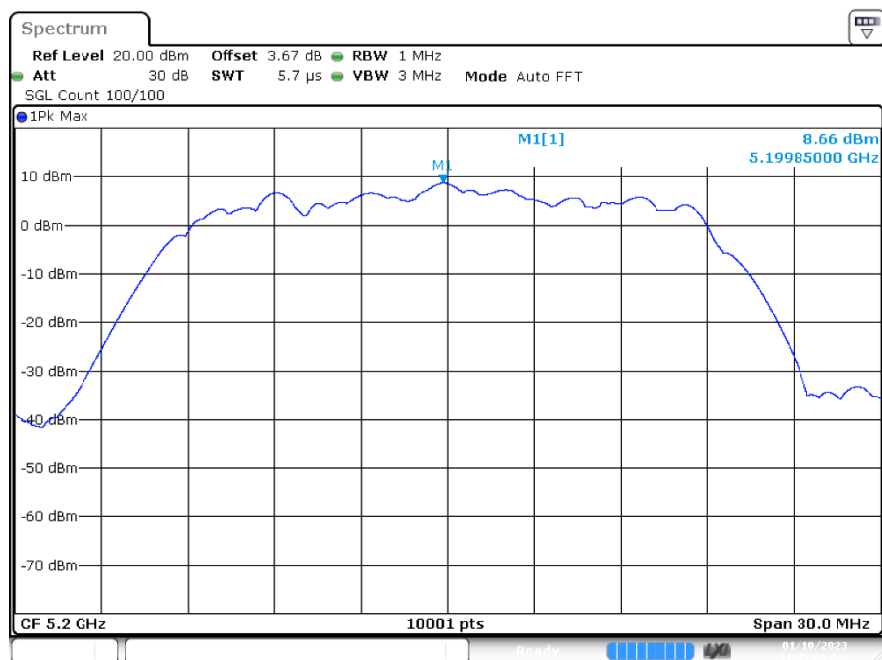
PSDn40 5230MHz Ant1



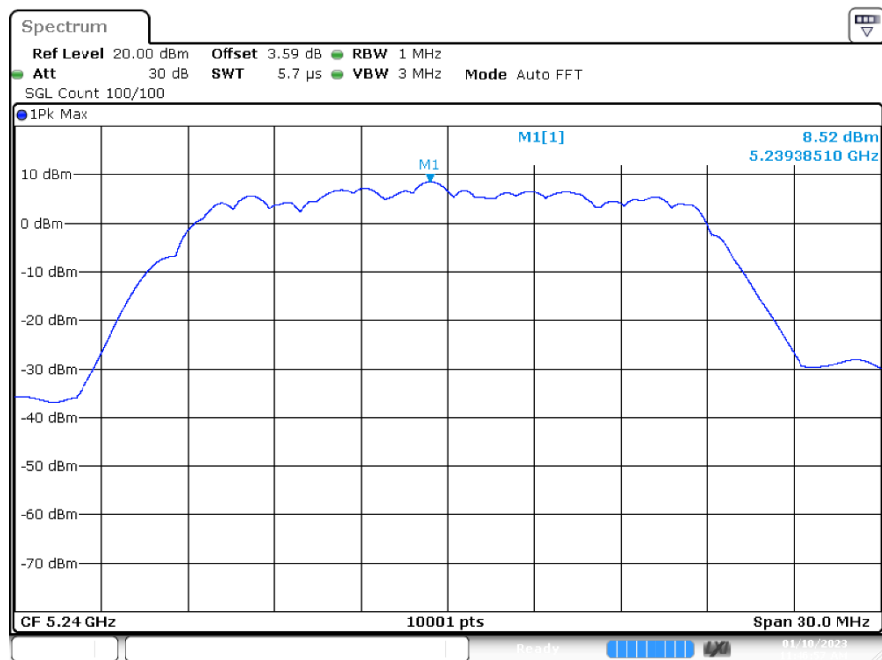
PSD ac20 5180MHz Ant1



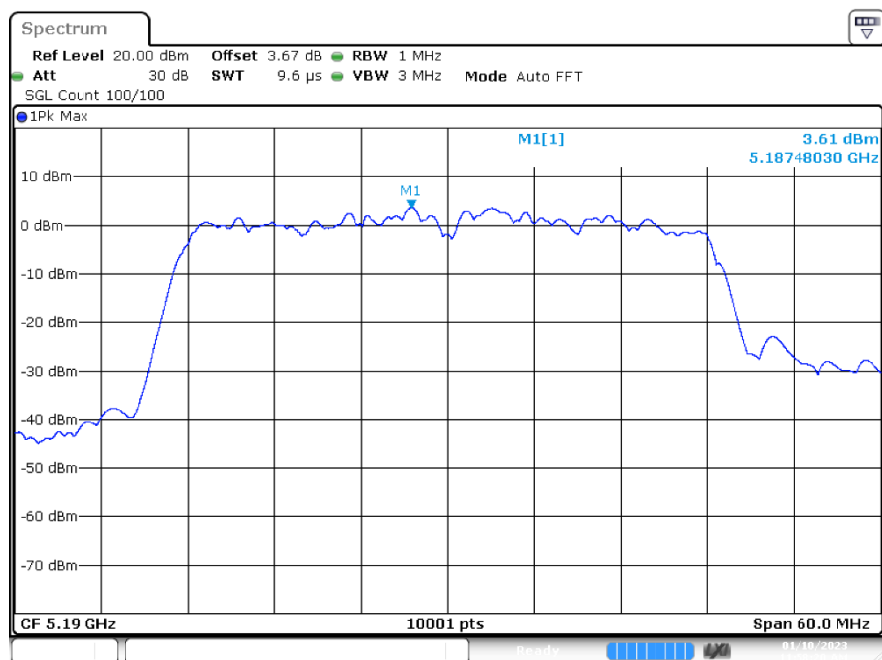
PSD ac20 5200MHz Ant1



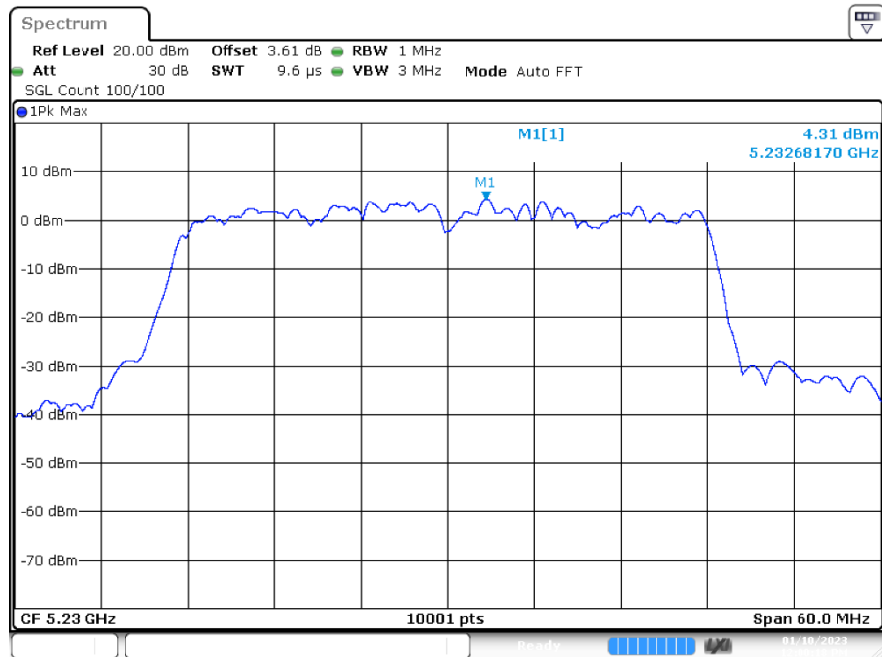
PSD ac20 5240MHz Ant1



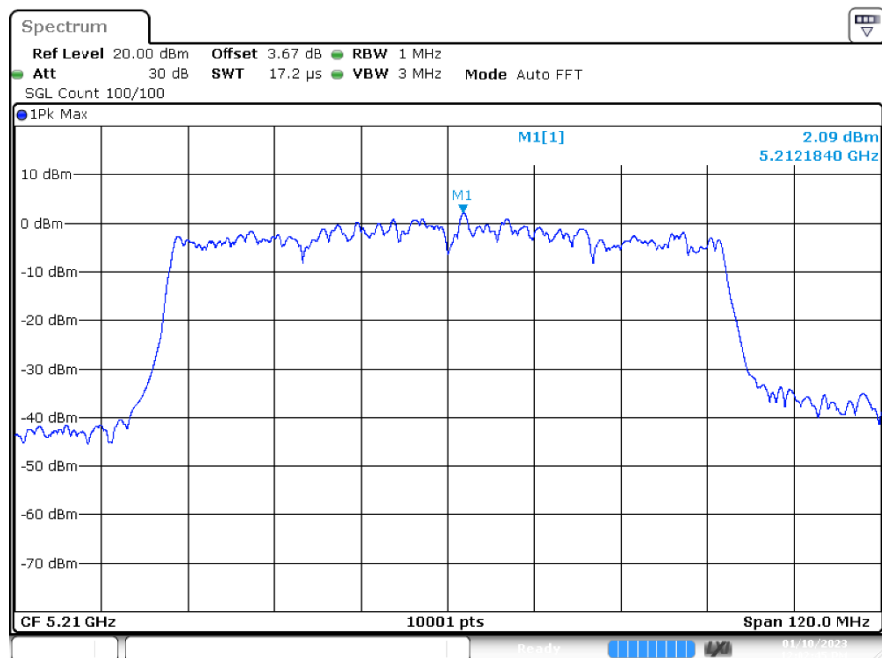
PSDac40 5190MHz Ant1



PSDac40 5230MHz Ant1



PSDac80 5210MHz Ant1





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	5180.02	20000	3.86	25	Pass
20C 120V	a	5180	Ant1	5180.04	40000	7.72	25	Pass
20C 138V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
-10C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
0C 120V	a	5180	Ant1	5180.06	60000	11.58	25	Pass
10C 120V	a	5180	Ant1	5180.04	40000	7.72	25	Pass
30C 120V	a	5180	Ant1	5180.06	60000	11.58	25	Pass
40C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
50C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 102V	a	5200	Ant1	5200	0	0	25	Pass
20C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 138V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
-20C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
-10C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 120V	a	5200	Ant1	5200.06	60000	11.54	25	Pass
10C 120V	a	5200	Ant1	5200.06	60000	11.54	25	Pass
30C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
40C 120V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 102V	a	5200	Ant1	5200	0	0	25	Pass
20C 102V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
20C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 138V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
-20C 120V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
-10C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
0C 120V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
10C 120V	a	5240	Ant1	5240	0	0	25	Pass
30C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 120V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
50C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 102V	n20	5180	Ant1	5180.06	60000	11.58	25	Pass
20C 120V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 138V	n20	5180	Ant1	5180.06	60000	11.58	25	Pass
-20C 120V	n20	5180	Ant1	5180.04	40000	7.72	25	Pass
-10C 120V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass



0C 120V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
10C 120V	n20	5180	Ant1	5180.04	40000	7.72	25	Pass
30C 120V	n20	5180	Ant1	5180.06	60000	11.58	25	Pass
40C 120V	n20	5180	Ant1	5180.04	40000	7.72	25	Pass
50C 120V	n20	5180	Ant1	5180.06	60000	11.58	25	Pass
20C 102V	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 120V	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 138V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
-20C 120V	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
-10C 120V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 120V	n20	5200	Ant1	5200.06	60000	11.54	25	Pass
10C 120V	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
30C 120V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
40C 120V	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
50C 120V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 102V	n20	5240	Ant1	5240	0	0	25	Pass
20C 120V	n20	5240	Ant1	5240.04	40000	7.63	25	Pass
20C 138V	n20	5240	Ant1	5240.04	40000	7.63	25	Pass
-20C 120V	n20	5240	Ant1	5240.04	40000	7.63	25	Pass
-10C 120V	n20	5240	Ant1	5240	0	0	25	Pass
0C 120V	n20	5240	Ant1	5240.04	40000	7.63	25	Pass
10C 120V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 120V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 120V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
50C 120V	n20	5240	Ant1	5240.04	40000	7.63	25	Pass
20C 102V	n40	5190	Ant1	5190	0	0	25	Pass
20C 120V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 138V	n40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	n40	5190	Ant1	5190.08	80000	15.41	25	Pass
-10C 120V	n40	5190	Ant1	5190	0	0	25	Pass
0C 120V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 120V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
30C 120V	n40	5190	Ant1	5190.08	80000	15.41	25	Pass
40C 120V	n40	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 102V	n40	5230	Ant1	5230	0	0	25	Pass
20C 120V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 138V	n40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
-10C 120V	n40	5230	Ant1	5230.08	80000	15.3	25	Pass
0C 120V	n40	5230	Ant1	5230.08	80000	15.3	25	Pass
10C 120V	n40	5230	Ant1	5230.08	80000	15.3	25	Pass
30C 120V	n40	5230	Ant1	5230.08	80000	15.3	25	Pass



40C 120V	n40	5230	Ant1	5230.08	80000	15.3	25	Pass
50C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 102V	ac20	5180	Ant1	5180.04	40000	7.72	25	Pass
20C 120V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 138V	ac20	5180	Ant1	5180.06	60000	11.58	25	Pass
-20C 120V	ac20	5180	Ant1	5180.04	40000	7.72	25	Pass
-10C 120V	ac20	5180	Ant1	5180.04	40000	7.72	25	Pass
0C 120V	ac20	5180	Ant1	5180.04	40000	7.72	25	Pass
10C 120V	ac20	5180	Ant1	5180.04	40000	7.72	25	Pass
30C 120V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 120V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
50C 120V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 102V	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 120V	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 138V	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
-20C 120V	ac20	5200	Ant1	5200.06	60000	11.54	25	Pass
-10C 120V	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
0C 120V	ac20	5200	Ant1	5200.06	60000	11.54	25	Pass
10C 120V	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
30C 120V	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
40C 120V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
50C 120V	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 102V	ac20	5240	Ant1	5240.06	60000	11.45	25	Pass
20C 120V	ac20	5240	Ant1	5240.06	60000	11.45	25	Pass
20C 138V	ac20	5240	Ant1	5240.04	40000	7.63	25	Pass
-20C 120V	ac20	5240	Ant1	5240.04	40000	7.63	25	Pass
-10C 120V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
0C 120V	ac20	5240	Ant1	5240.06	60000	11.45	25	Pass
10C 120V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 120V	ac20	5240	Ant1	5240.06	60000	11.45	25	Pass
40C 120V	ac20	5240	Ant1	5240.04	40000	7.63	25	Pass
50C 120V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 102V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 138V	ac40	5190	Ant1	5190.08	80000	15.41	25	Pass
-20C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
-10C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
0C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
30C 120V	ac40	5190	Ant1	5190.08	80000	15.41	25	Pass
40C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
50C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 102V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass



20C 120V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 138V	ac40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	ac40	5230	Ant1	5230.08	80000	15.3	25	Pass
-10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
10C 120V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
30C 120V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
40C 120V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
50C 120V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 102V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
20C 120V	ac80	5210	Ant1	5210.08	80000	15.36	25	Pass
20C 138V	ac80	5210	Ant1	5210	0	0	25	Pass
-20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
-10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
30C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
40C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass

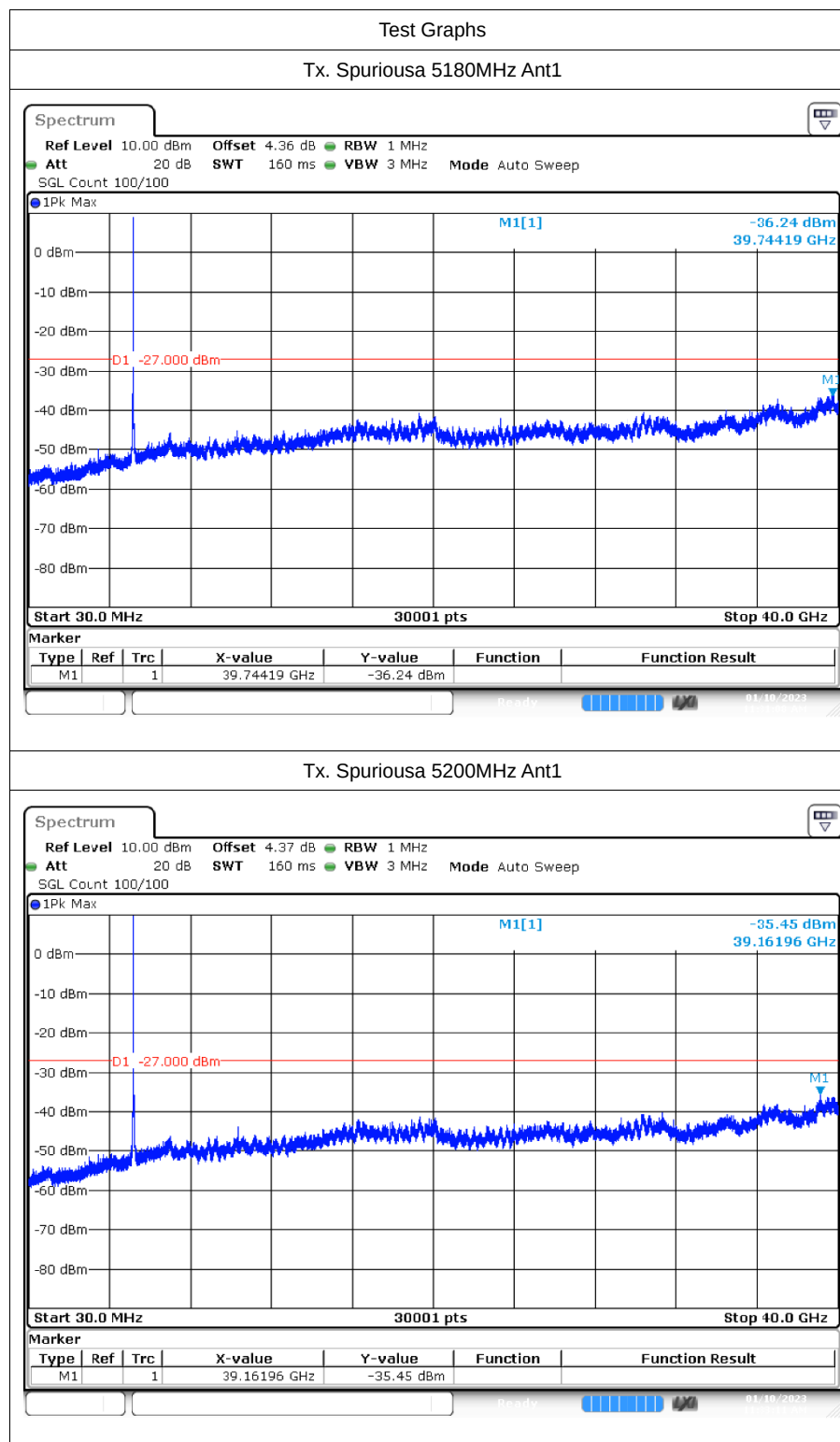


7 Conducted RF Spurious Emission

7.1 Test Result

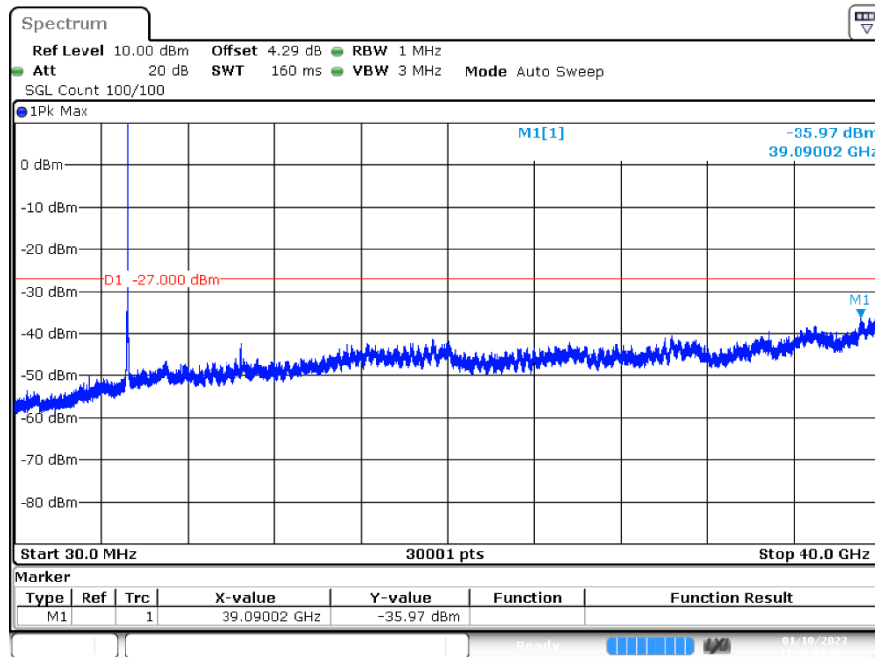
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-36.24	-27	Pass
a	5200	Ant1	-35.45	-27	Pass
a	5240	Ant1	-35.97	-27	Pass
n20	5180	Ant1	-36.04	-27	Pass
n20	5200	Ant1	-35.46	-27	Pass
n20	5240	Ant1	-35.71	-27	Pass
n40	5190	Ant1	-36.44	-27	Pass
n40	5230	Ant1	-35.95	-27	Pass
ac20	5180	Ant1	-36.07	-27	Pass
ac20	5200	Ant1	-35.45	-27	Pass
ac20	5240	Ant1	-35.93	-27	Pass
ac40	5190	Ant1	-36.41	-27	Pass
ac40	5230	Ant1	-35.91	-27	Pass
ac80	5210	Ant1	-36.33	-27	Pass

7.2 Test Graphs

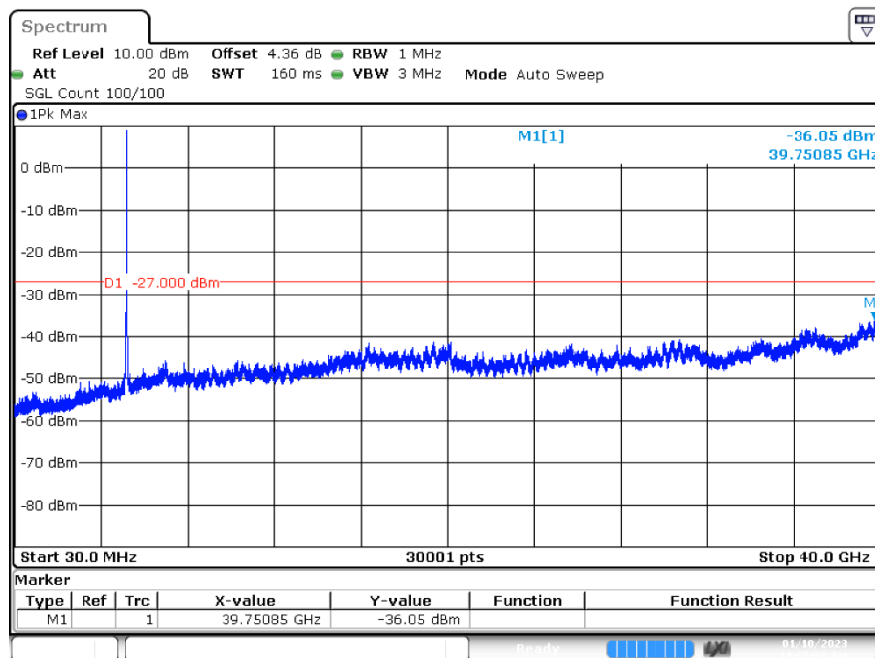




Tx. Spurious 5240MHz Ant1

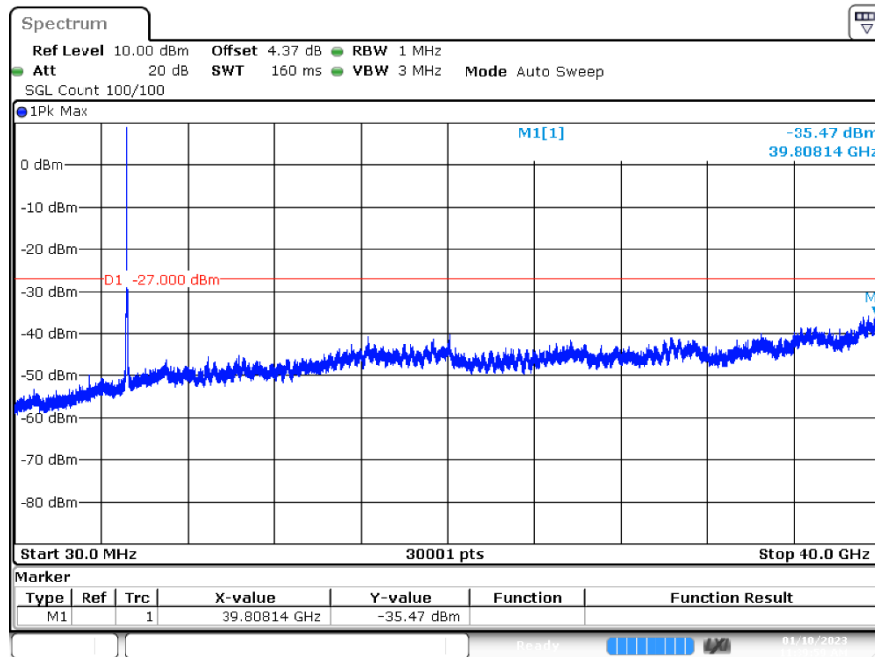


Tx. Spurious n20 5180MHz Ant1

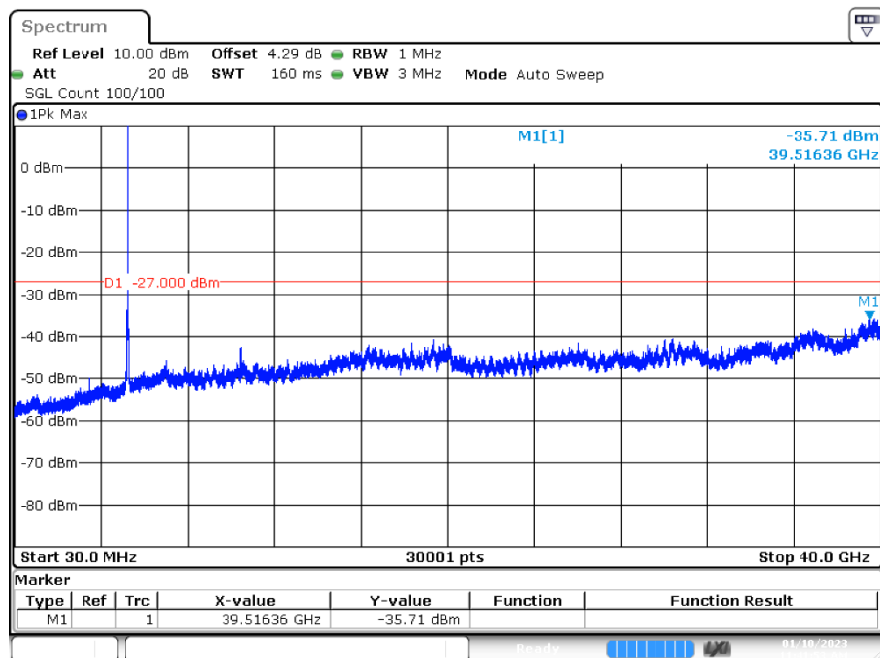




Tx. Spurious n20 5200MHz Ant1

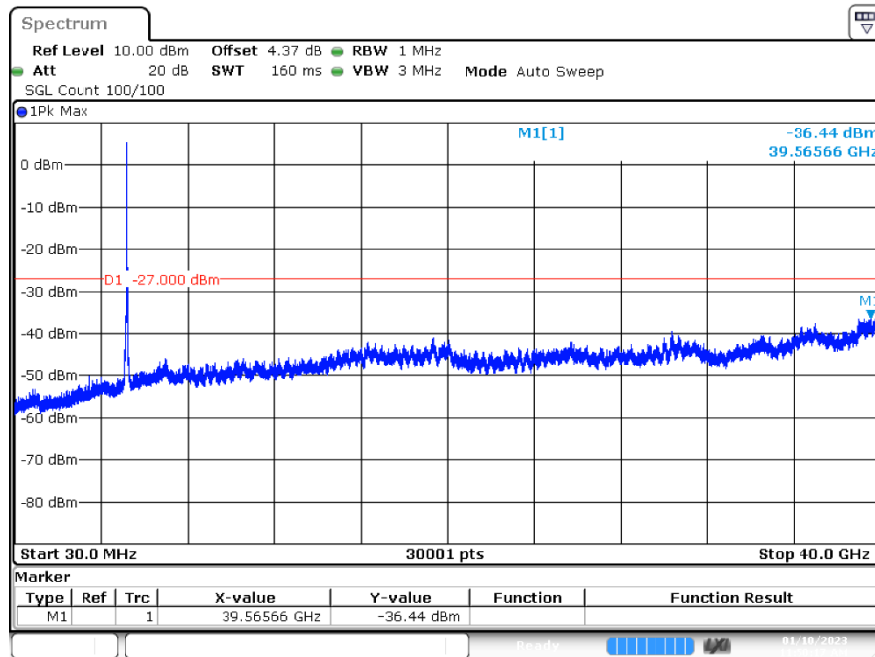


Tx. Spurious n20 5240MHz Ant1

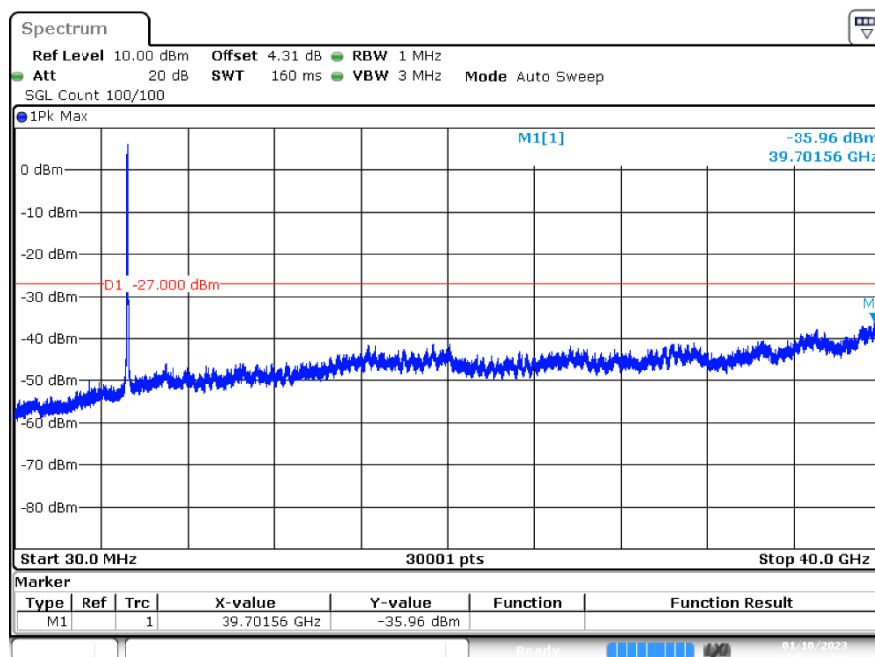




Tx. Spuriousn40 5190MHz Ant1

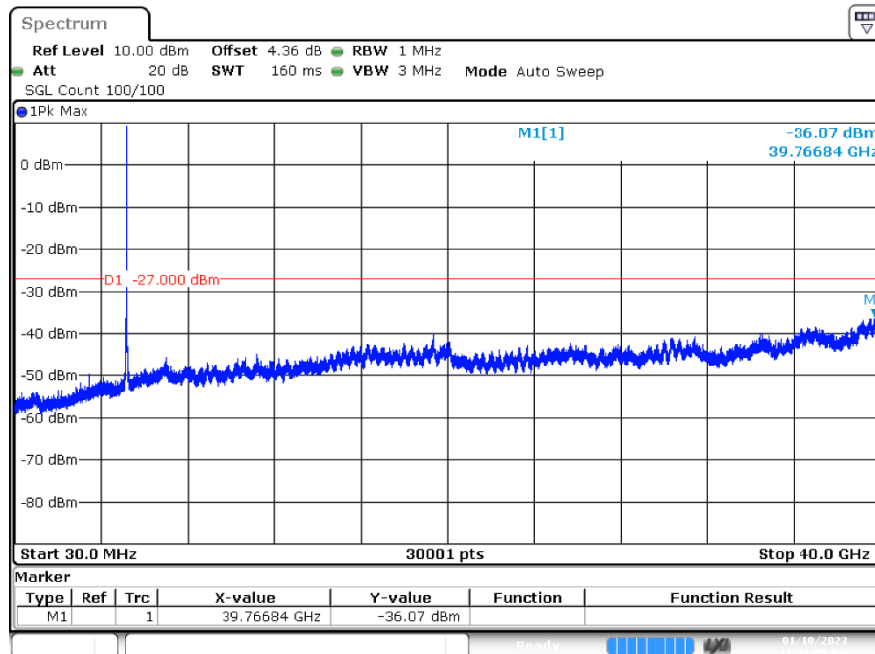


Tx. Spuriousn40 5230MHz Ant1

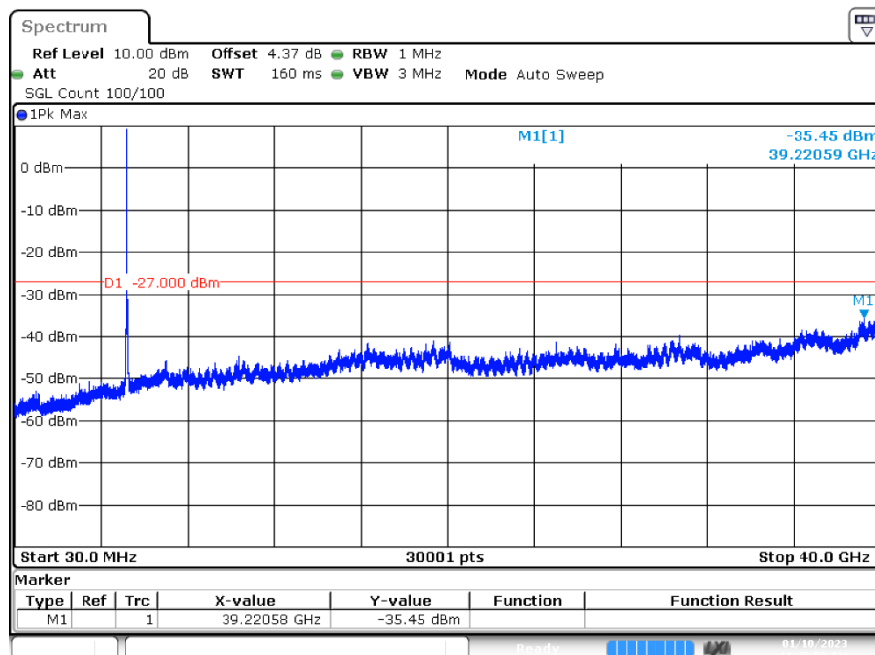




Tx. Spurious ac20 5180MHz Ant1

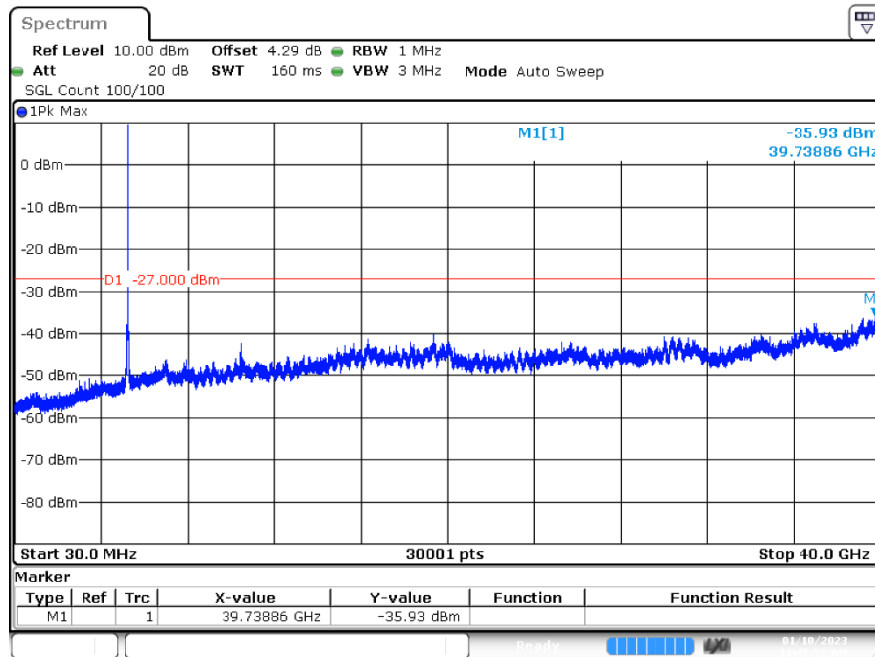


Tx. Spurious ac20 5200MHz Ant1

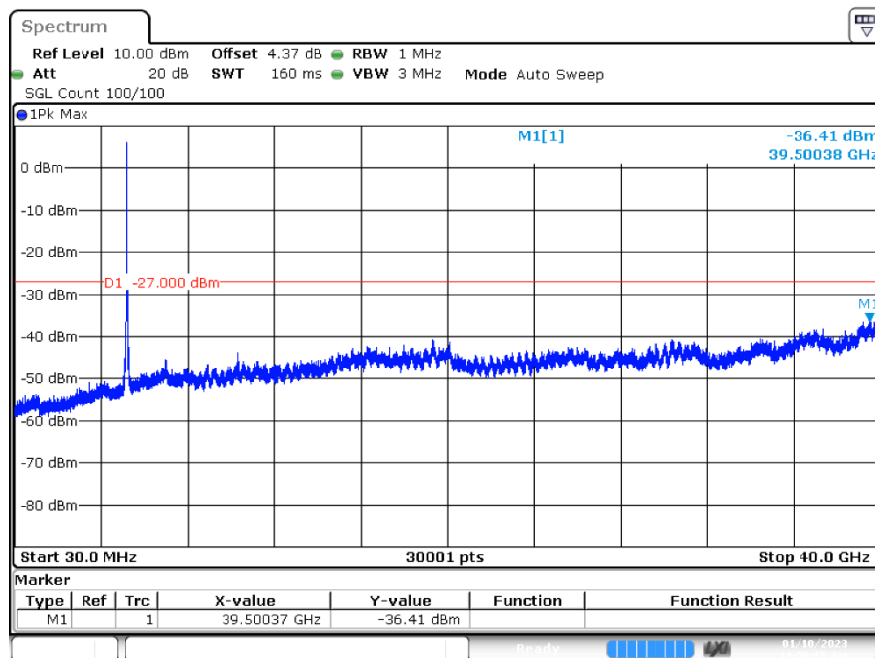




Tx. Spurious ac20 5240MHz Ant1

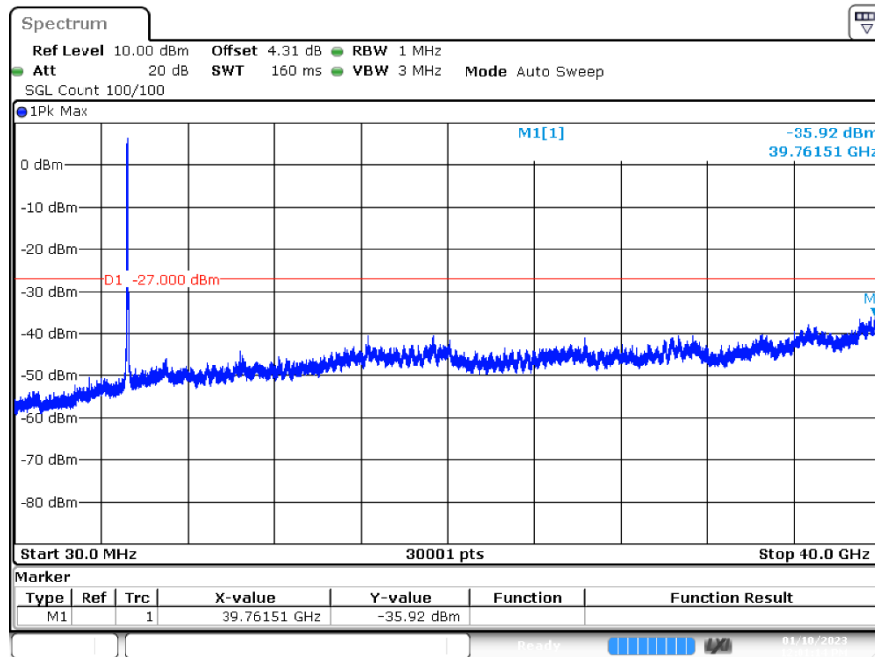


Tx. Spuriousac40 5190MHz Ant1

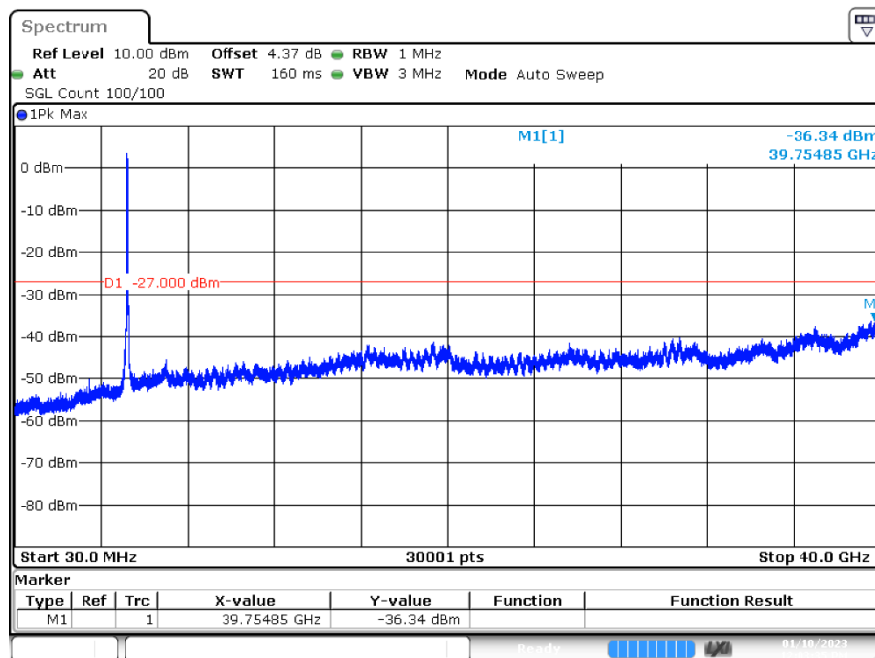




Tx. Spuriousac40 5230MHz Ant1



Tx. Spuriousac80 5210MHz Ant1





8 Restrict Band

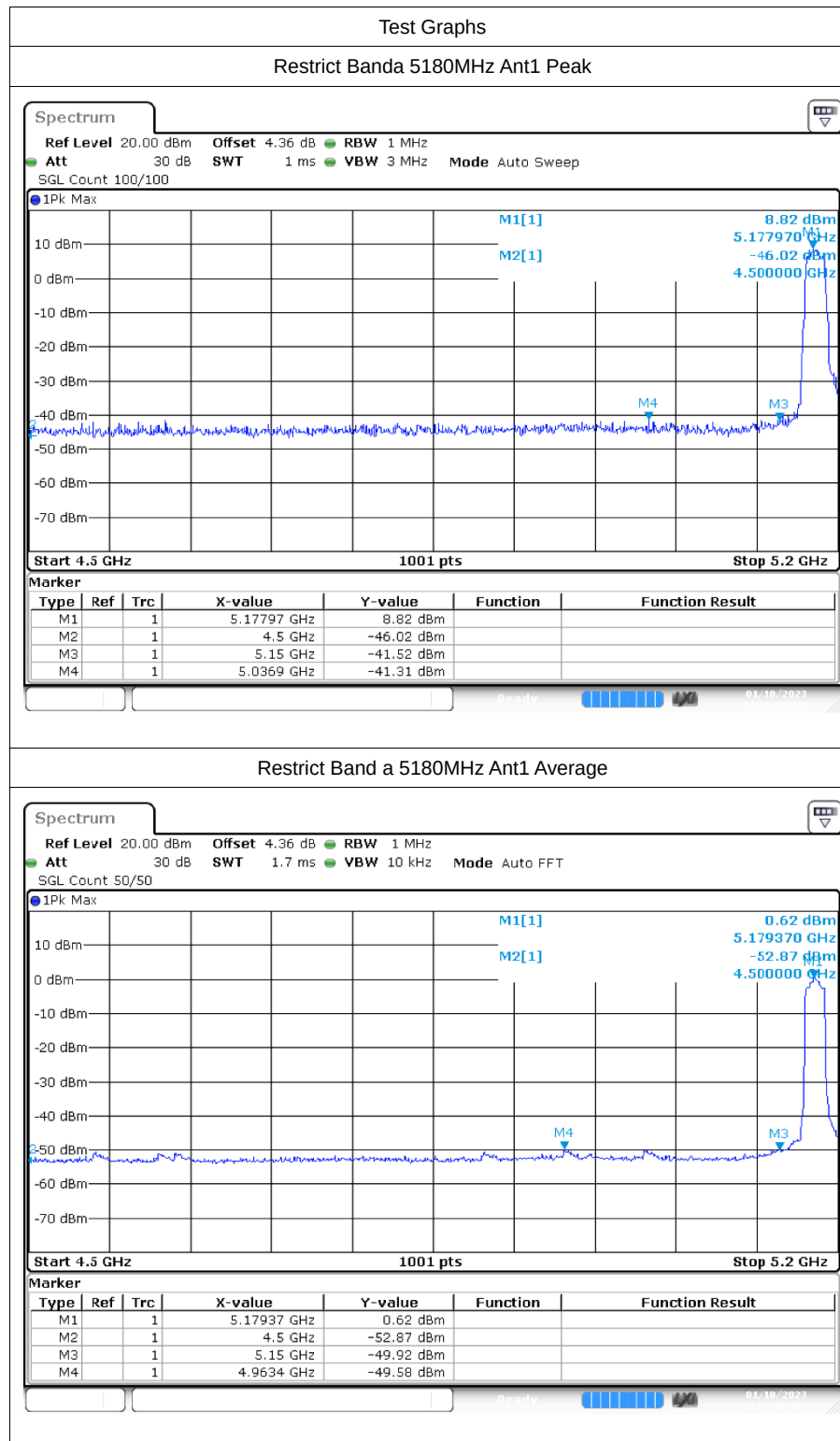
8.1 Test Result

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
a	5180	Ant1	4500	-46.02	2	51.21	Peak	68.2	Pass
a	5180	Ant1	4500	-52.87	2	44.36	Average	54	Pass
a	5180	Ant1	5036.9	-41.31	2	55.92	Peak	68.2	Pass
a	5180	Ant1	4963.4	-49.58	2	47.65	Average	54	Pass
a	5180	Ant1	5150	-41.51	2	55.72	Peak	68.2	Pass
a	5180	Ant1	5150	-49.92	2	47.31	Average	54	Pass
a	5240	Ant1	5350	-43.12	2	54.11	Peak	68.2	Pass
a	5240	Ant1	5350	-53.23	2	44	Average	54	Pass
a	5240	Ant1	5408.64	-40.57	2	56.66	Peak	68.2	Pass
a	5240	Ant1	5446.56	-50.09	2	47.14	Average	54	Pass
a	5240	Ant1	5460	-41.43	2	55.8	Peak	68.2	Pass
a	5240	Ant1	5460	-51.83	2	45.4	Average	54	Pass
n20	5180	Ant1	4500	-44.97	2	52.26	Peak	68.2	Pass
n20	5180	Ant1	4500	-52.66	2	44.57	Average	54	Pass
n20	5180	Ant1	5148.2	-35.21	2	62.02	Peak	68.2	Pass
n20	5180	Ant1	5148.9	-49.69	2	47.54	Average	54	Pass
n20	5180	Ant1	5150	-36.51	2	60.72	Peak	68.2	Pass
n20	5180	Ant1	5150	-50.76	2	46.47	Average	54	Pass
n20	5240	Ant1	5350	-44.83	2	52.4	Peak	68.2	Pass
n20	5240	Ant1	5350	-52.63	2	44.6	Average	54	Pass
n20	5240	Ant1	5450.64	-40.92	2	56.31	Peak	68.2	Pass
n20	5240	Ant1	5448.48	-49.65	2	47.58	Average	54	Pass
n20	5240	Ant1	5460	-44.98	2	52.25	Peak	68.2	Pass
n20	5240	Ant1	5460	-53.03	2	44.2	Average	54	Pass
n40	5190	Ant1	4500	-45.31	2	51.92	Peak	68.2	Pass
n40	5190	Ant1	4500	-53.22	2	44.01	Average	54	Pass
n40	5190	Ant1	5148.97	-37.43	2	59.8	Peak	68.2	Pass
n40	5190	Ant1	4965.74	-50.15	2	47.08	Average	54	Pass
n40	5190	Ant1	5150	-41.5	2	55.73	Peak	68.2	Pass
n40	5190	Ant1	5150	-50.31	2	46.92	Average	54	Pass
n40	5230	Ant1	5350	-45.13	2	52.1	Peak	68.2	Pass
n40	5230	Ant1	5350	-52.19	2	45.04	Average	54	Pass
n40	5230	Ant1	5452.44	-40.58	2	56.65	Peak	68.2	Pass
n40	5230	Ant1	5447.31	-50.1	2	47.13	Average	54	Pass
n40	5230	Ant1	5460	-44.44	2	52.79	Peak	68.2	Pass

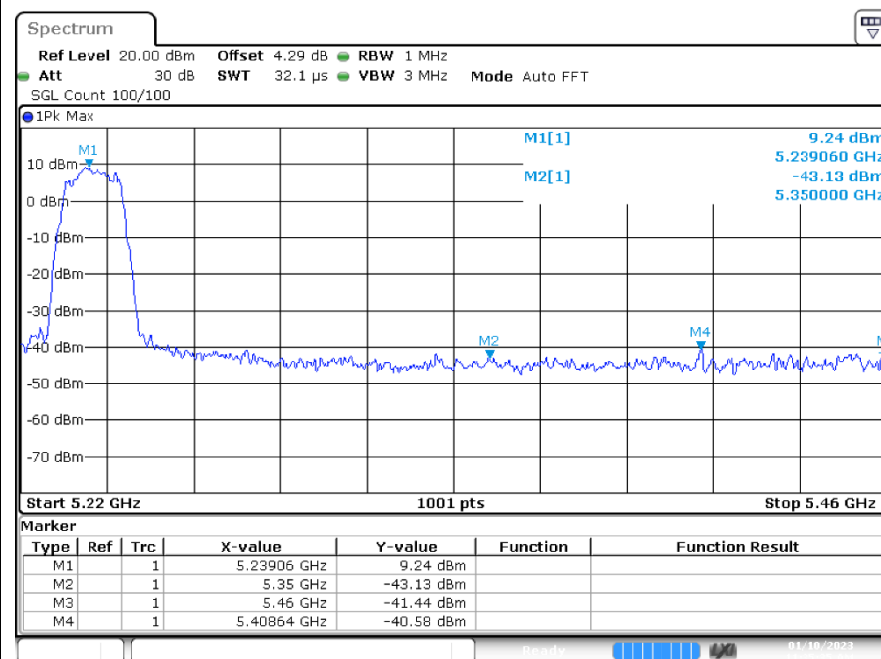


n40	5230	Ant1	5460	-51.93	2	45.3	Average	54	Pass
ac20	5180	Ant1	4500	-45.37	2	51.86	Peak	68.2	Pass
ac20	5180	Ant1	4500	-52.2	2	45.03	Average	54	Pass
ac20	5180	Ant1	5148.2	-37.28	2	59.95	Peak	68.2	Pass
ac20	5180	Ant1	4963.4	-50.11	2	47.12	Average	54	Pass
ac20	5180	Ant1	5150	-41.88	2	55.35	Peak	68.2	Pass
ac20	5180	Ant1	5150	-50.29	2	46.94	Average	54	Pass
ac20	5240	Ant1	5350	-44.91	2	52.32	Peak	68.2	Pass
ac20	5240	Ant1	5350	-53.19	2	44.04	Average	54	Pass
ac20	5240	Ant1	5446.56	-41.24	2	55.99	Peak	68.2	Pass
ac20	5240	Ant1	5449.2	-49.73	2	47.5	Average	54	Pass
ac20	5240	Ant1	5460	-45.09	2	52.14	Peak	68.2	Pass
ac20	5240	Ant1	5460	-51.1	2	46.13	Average	54	Pass
ac40	5190	Ant1	4500	-45.47	2	51.76	Peak	68.2	Pass
ac40	5190	Ant1	4500	-51.69	2	45.54	Average	54	Pass
ac40	5190	Ant1	5149.7	-40.39	2	56.84	Peak	68.2	Pass
ac40	5190	Ant1	4965.74	-49	2	48.23	Average	54	Pass
ac40	5190	Ant1	5150	-42.38	2	54.85	Peak	68.2	Pass
ac40	5190	Ant1	5150	-49.86	2	47.37	Average	54	Pass
ac40	5230	Ant1	5350	-45.26	2	51.97	Peak	68.2	Pass
ac40	5230	Ant1	5350	-51.39	2	45.84	Average	54	Pass
ac40	5230	Ant1	5449.47	-41.17	2	56.06	Peak	68.2	Pass
ac40	5230	Ant1	5448.39	-50.19	2	47.04	Average	54	Pass
ac40	5230	Ant1	5460	-43.7	2	53.53	Peak	68.2	Pass
ac40	5230	Ant1	5460	-51.83	2	45.4	Average	54	Pass
ac80	5210	Ant1	4500	-44.44	2	52.79	Peak	68.2	Pass
ac80	5210	Ant1	4500	-52.42	2	44.81	Average	54	Pass
ac80	5210	Ant1	5143.06	-37.95	2	59.28	Peak	68.2	Pass
ac80	5210	Ant1	5143.85	-48.34	2	48.89	Average	54	Pass
ac80	5210	Ant1	5150	-40.22	2	57.01	Peak	68.2	Pass
ac80	5210	Ant1	5150	-49.23	2	48	Average	54	Pass

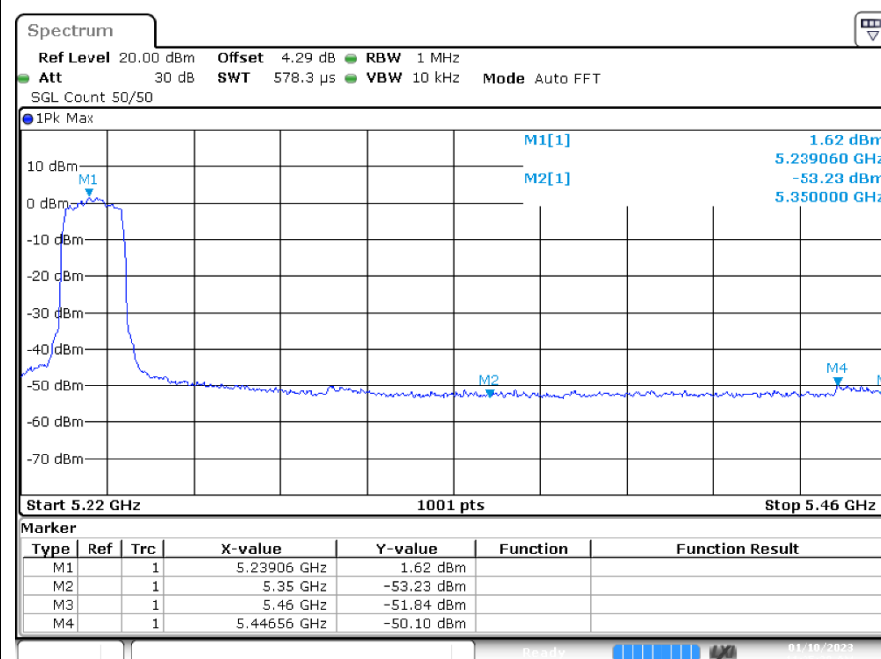
8.2 Test Graphs



Restrict Banda 5240MHz Ant1 Peak

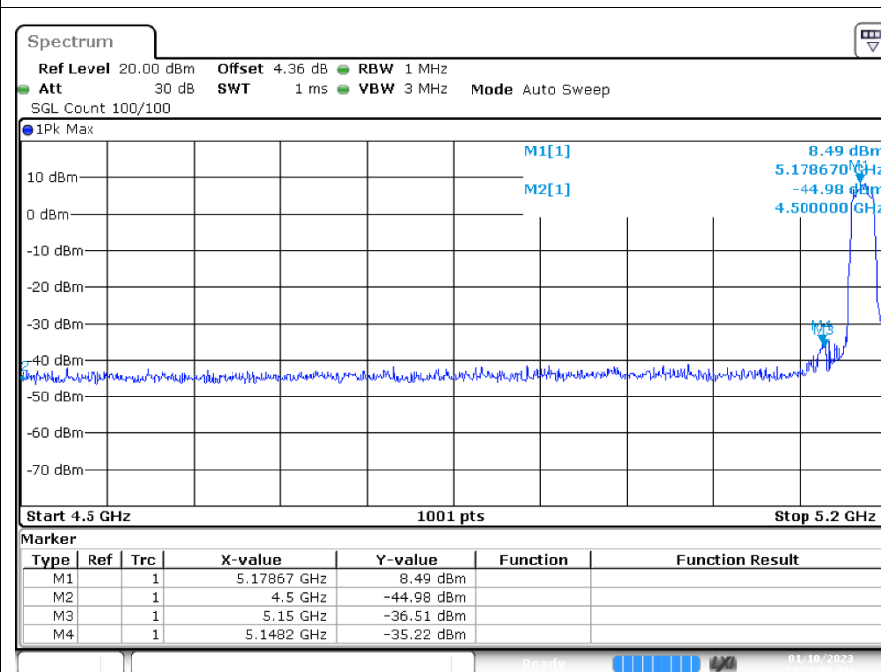


Restrict Band a 5240MHz Ant1 Average

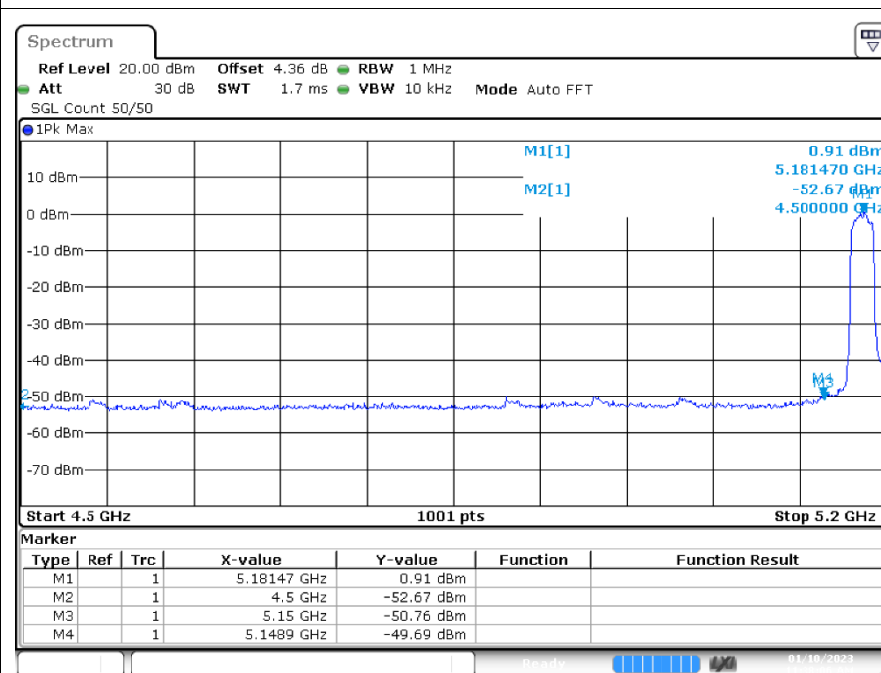




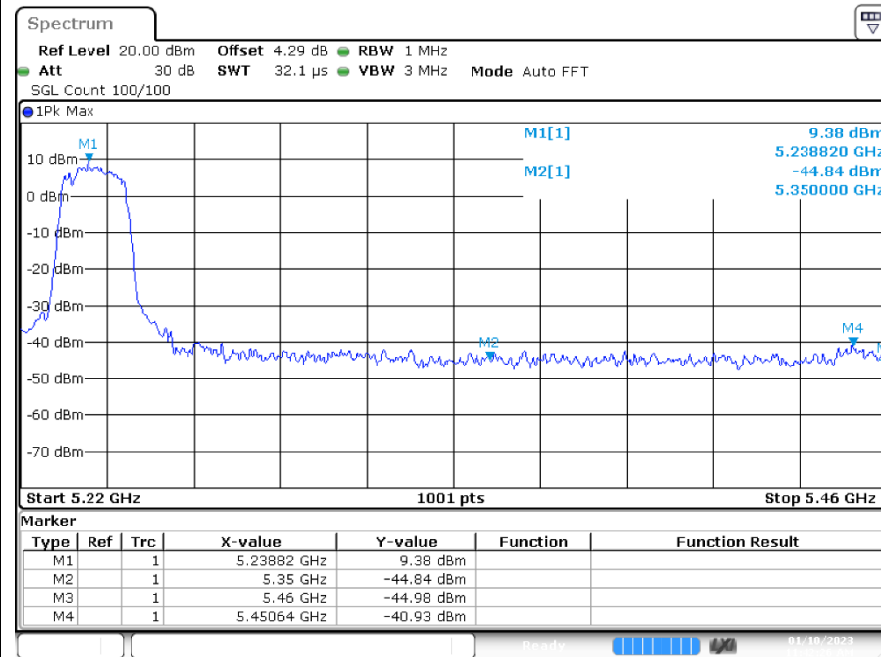
Restrict Bandn20 5180MHz Ant1 Peak



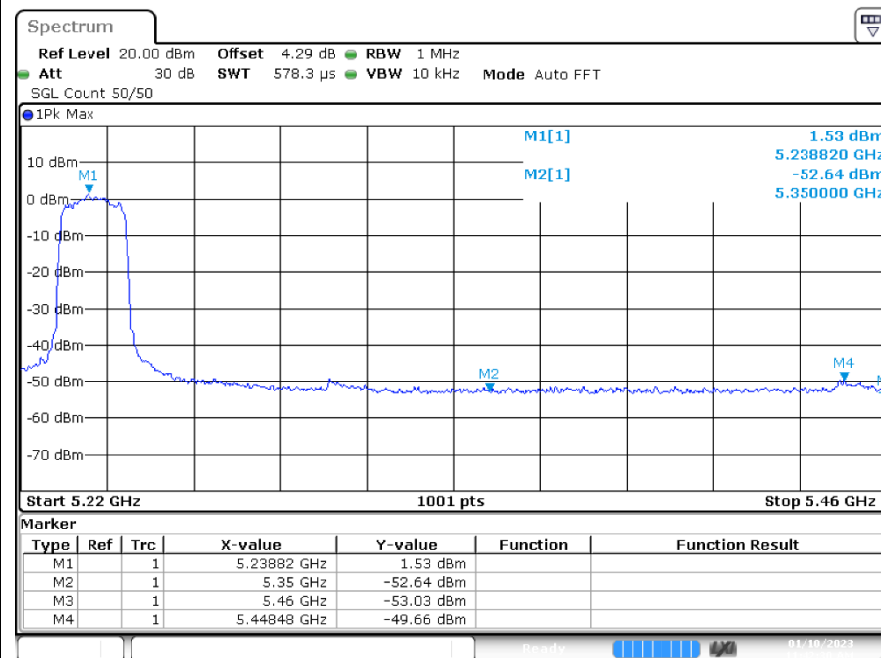
Restrict Band n20 5180MHz Ant1 Average



Restrict Bandn20 5240MHz Ant1 Peak

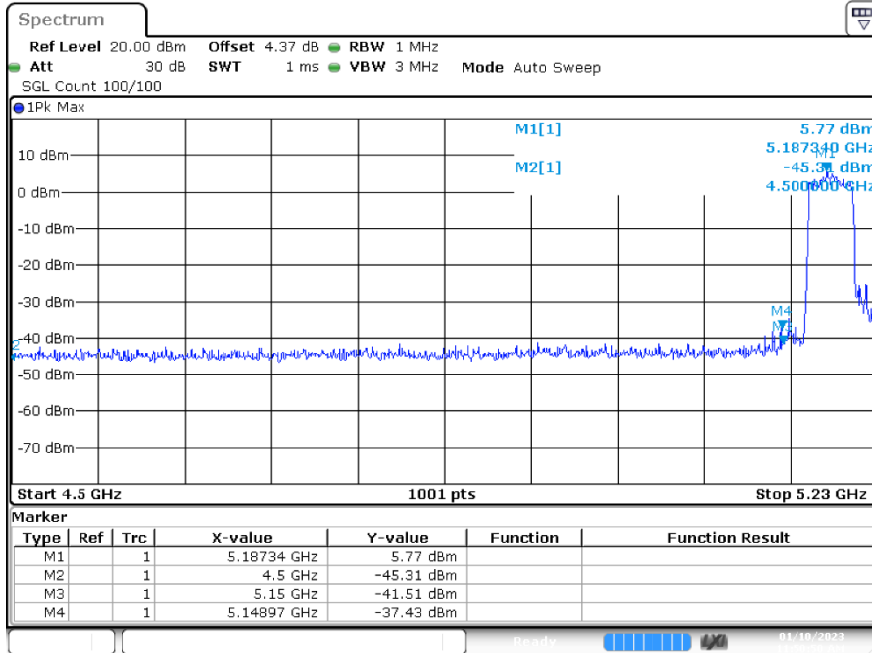


Restrict Band n20 5240MHz Ant1 Average

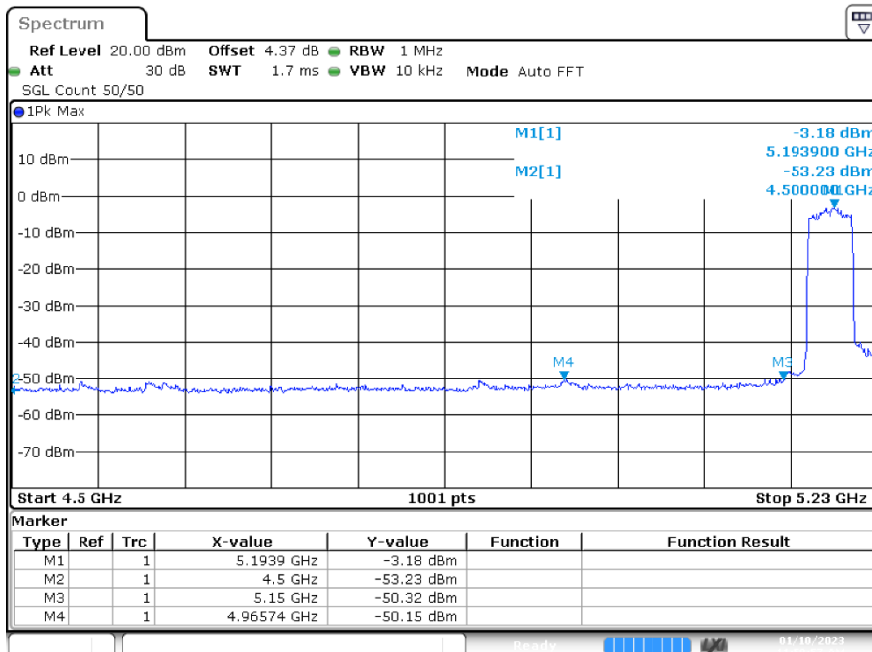




Restrict Bandn40 5190MHz Ant1 Peak

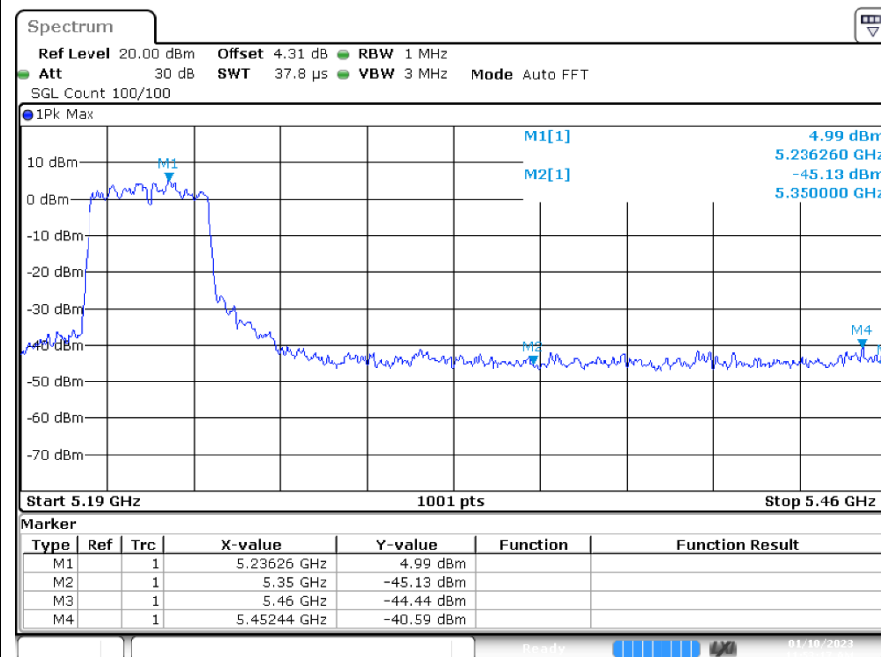


Restrict Band n40 5190MHz Ant1 Average

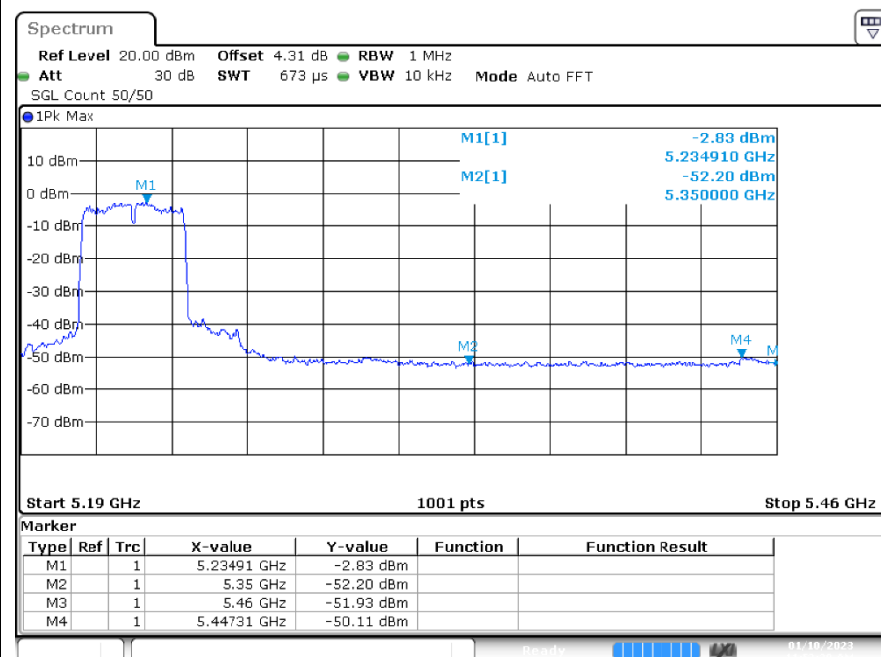




Restrict Bandn40 5230MHz Ant1 Peak

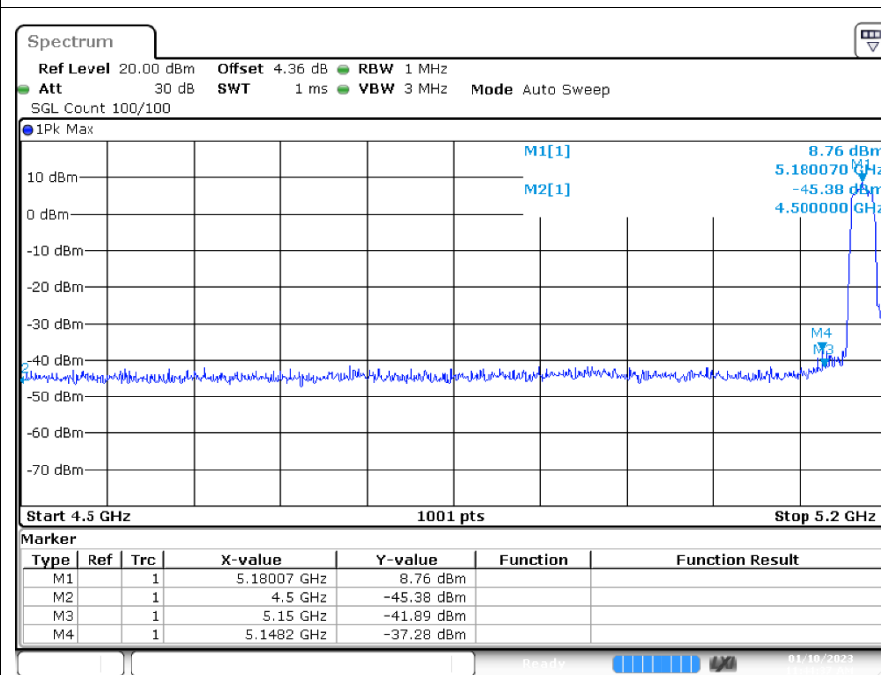


Restrict Band n40 5230MHz Ant1 Average

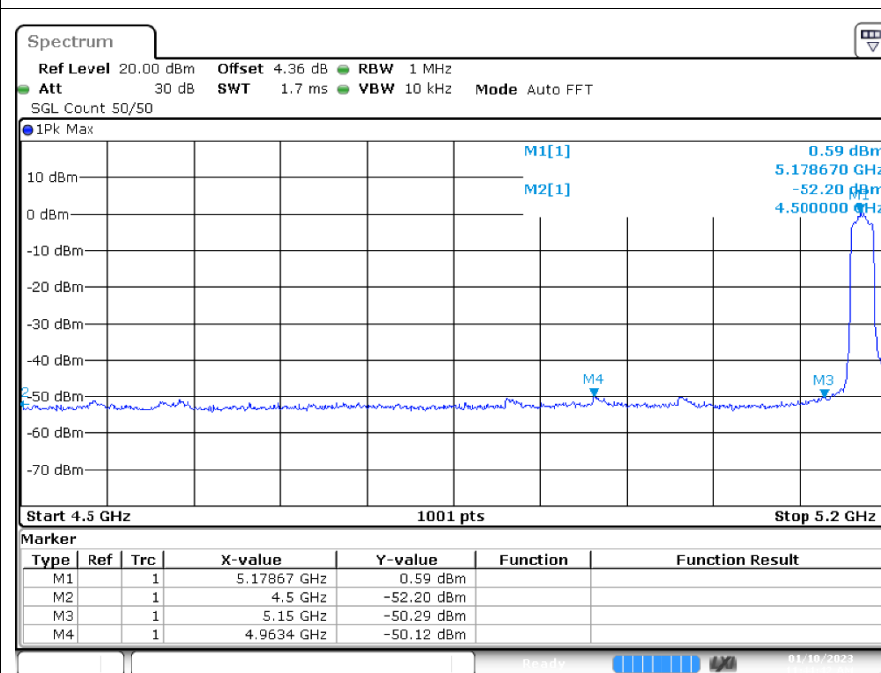




Restrict Bandac20 5180MHz Ant1 Peak

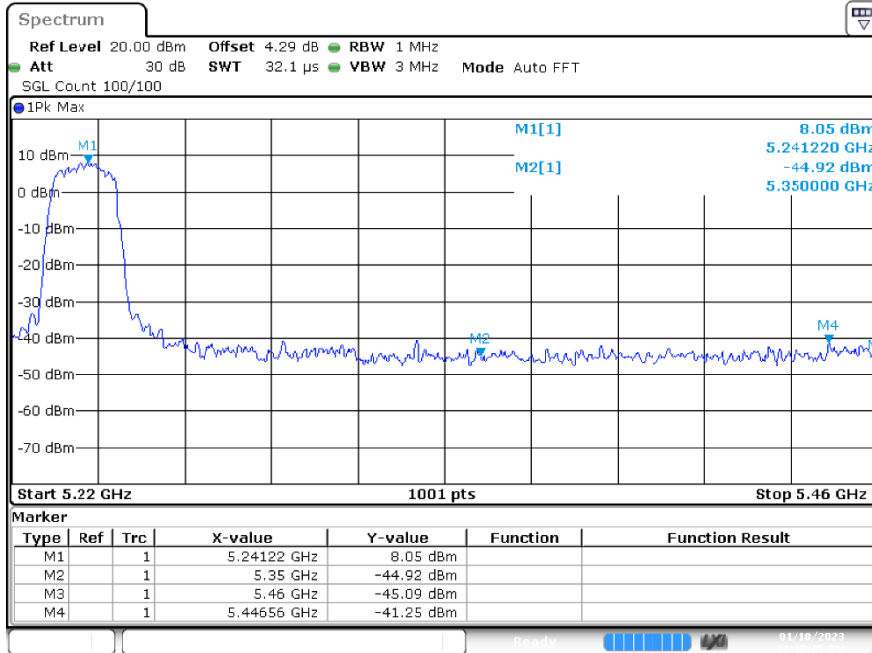


Restrict Band ac20 5180MHz Ant1 Average

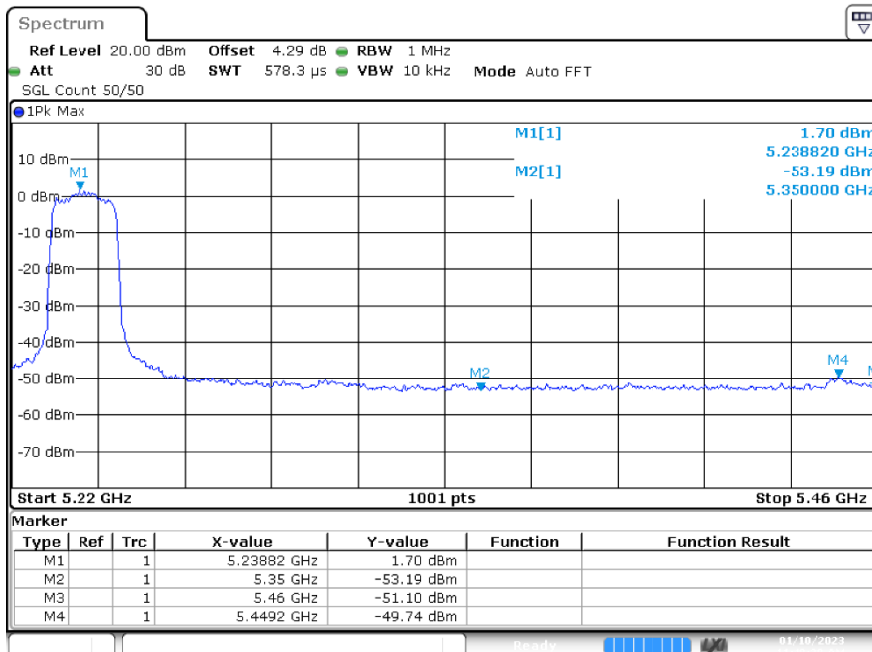




Restrict Bandac20 5240MHz Ant1 Peak

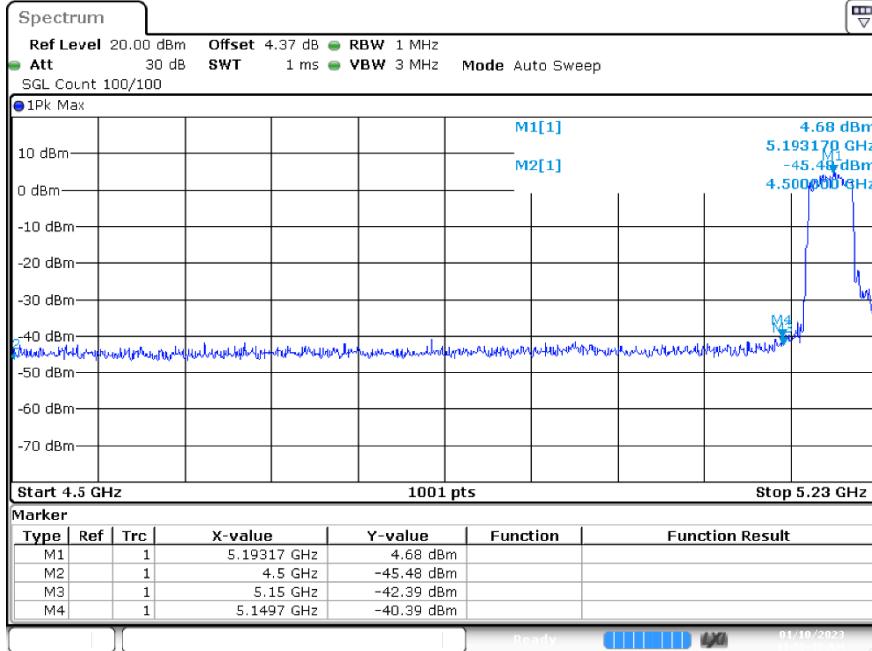


Restrict Band ac20 5240MHz Ant1 Average

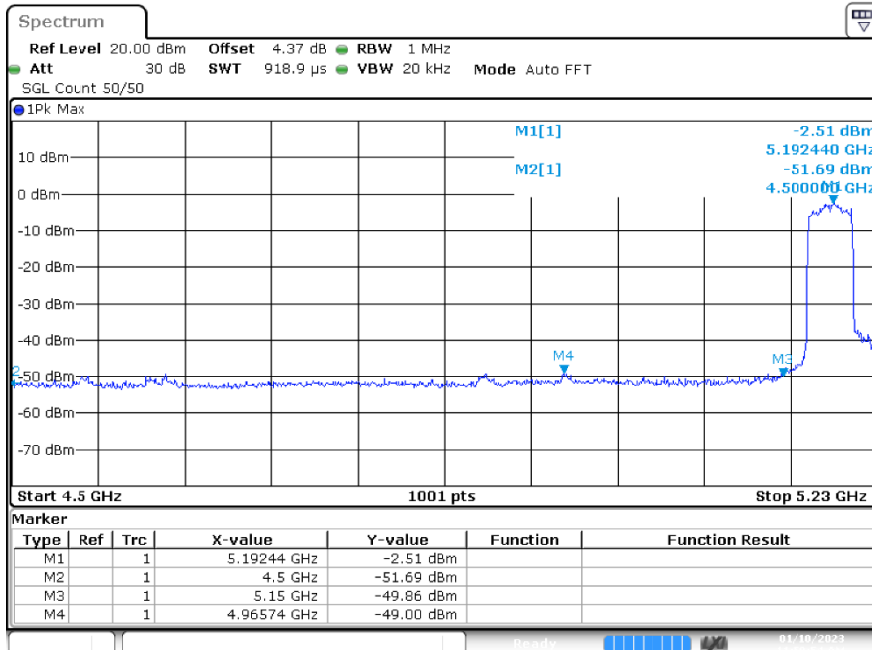




Restrict Bandac40 5190MHz Ant1 Peak

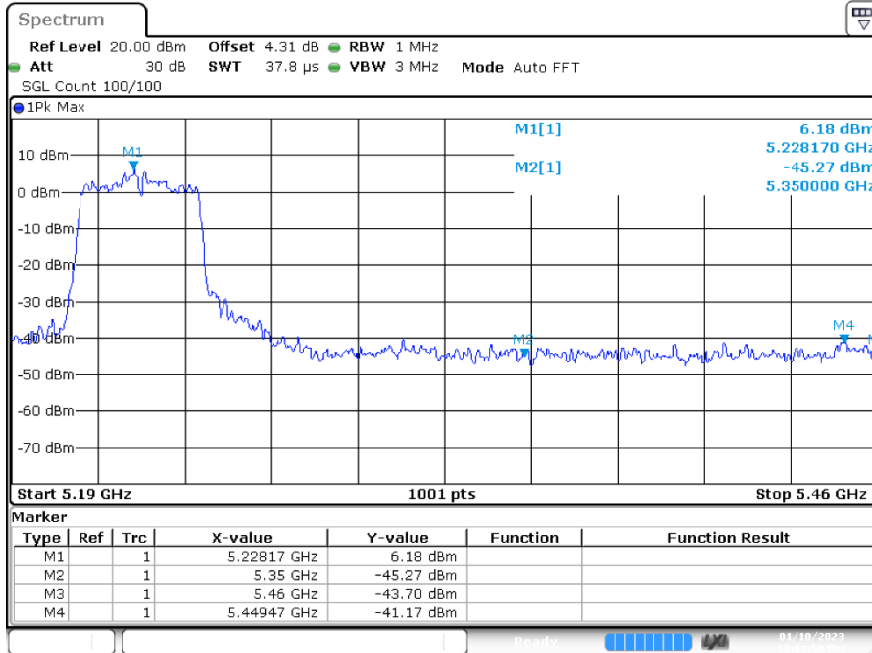


Restrict Band ac40 5190MHz Ant1 Average

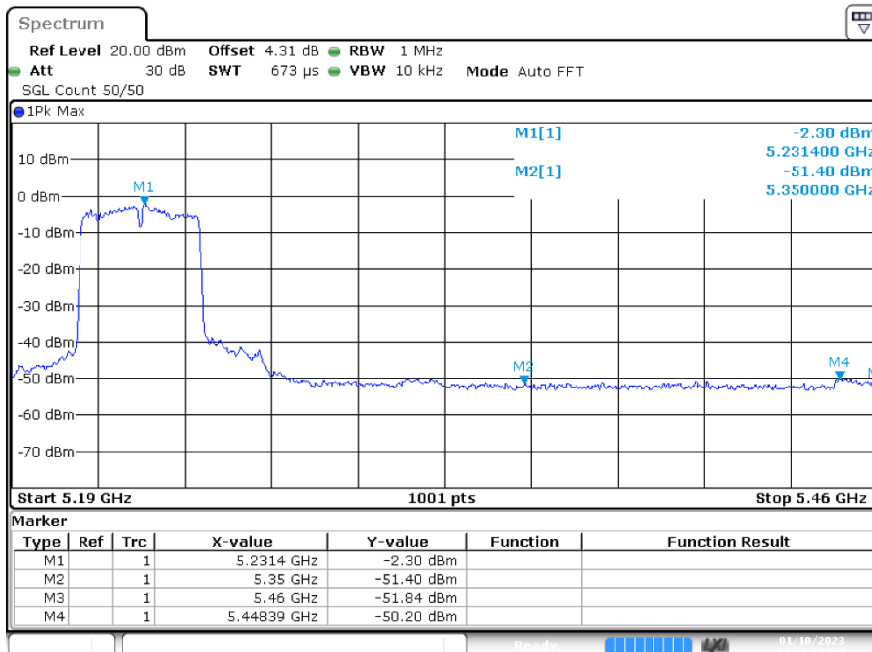




Restrict Bandac40 5230MHz Ant1 Peak

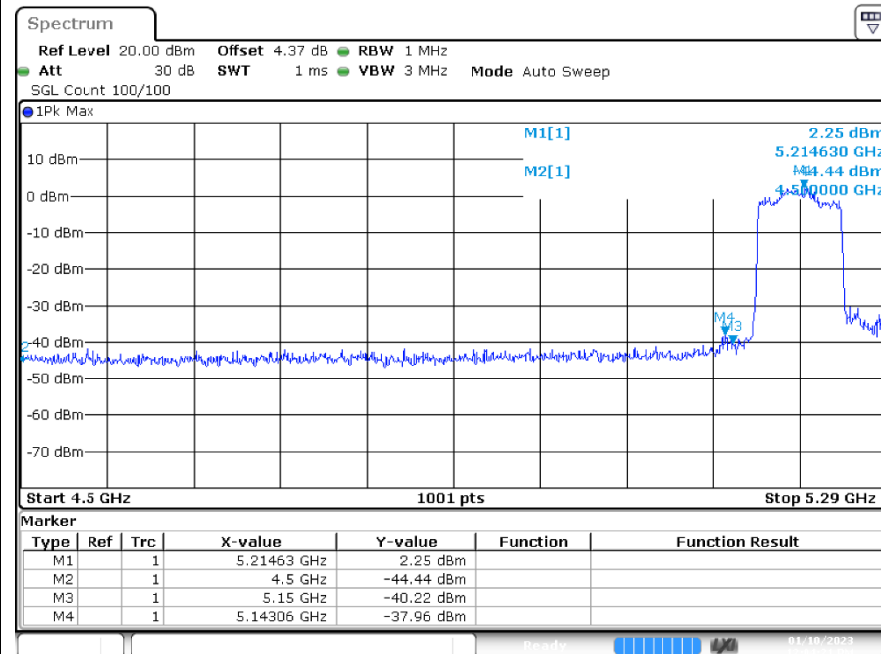


Restrict Band ac40 5230MHz Ant1 Average





Restrict Bandac80 5210MHz Ant1 Peak



Restrict Band ac80 5210MHz Ant1 Average

