Appendix D

RF Test Data for B1 WIFI(Conducted Measurement)

Product Name: AUTOMOTIVE DIAGNOSIS SYSTEM

Trade Mark: AUTEL

Test Model: MaxiCheck MX900-BT

Environmental Conditions

Temperature:	25.2℃
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

Contents

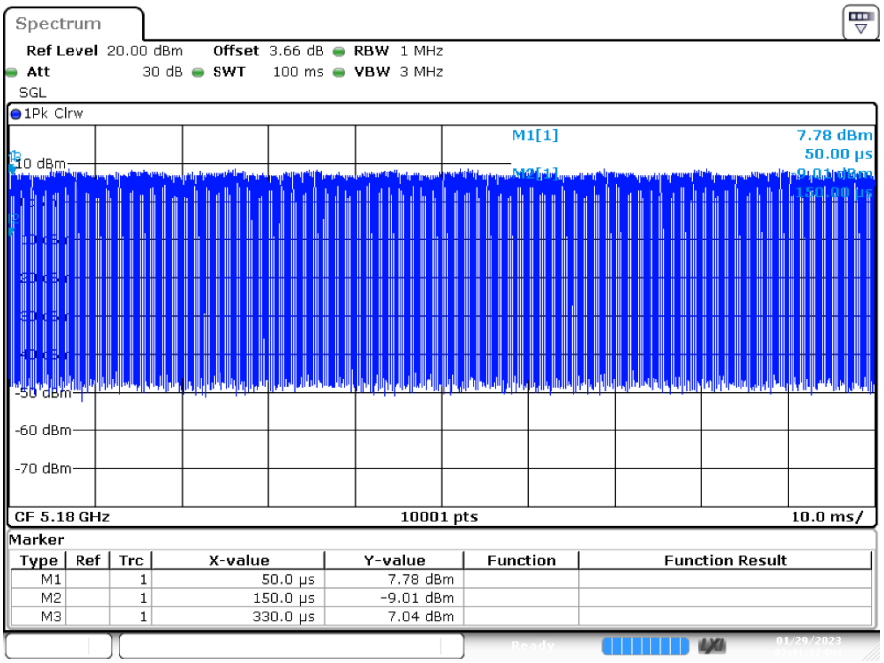
1 Duty Cycle

1.1 Test Result

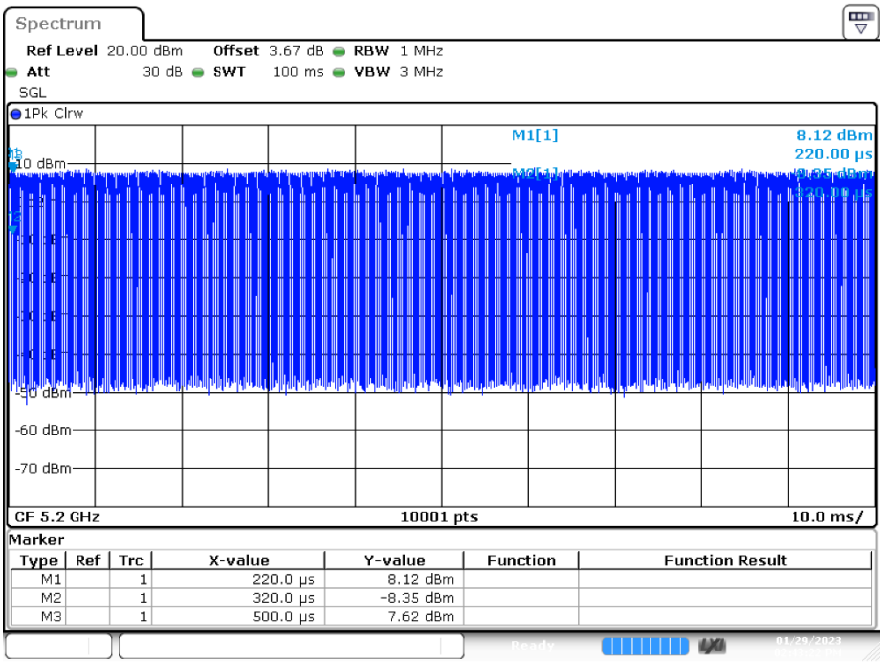
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	67.76	1.69	5.56
a	5200	Ant1	67.84	1.68	5.56
a	5240	Ant1	67.88	1.68	5.56
n20	5180	Ant1	66.34	1.78	5.88
n20	5200	Ant1	66.35	1.78	5.88
n20	5240	Ant1	66.31	1.78	5.88
n40	5190	Ant1	55.5	2.56	10
n40	5230	Ant1	55.49	2.56	10
ac20	5180	Ant1	64.13	1.93	6.67
ac20	5200	Ant1	64.52	1.9	6.67
ac20	5240	Ant1	64.24	1.92	6.67
ac40	5190	Ant1	52.73	2.78	11.11
ac40	5230	Ant1	52.71	2.78	11.11
ac80	5210	Ant1	45.21	3.45	20

1.2 Test Graphs

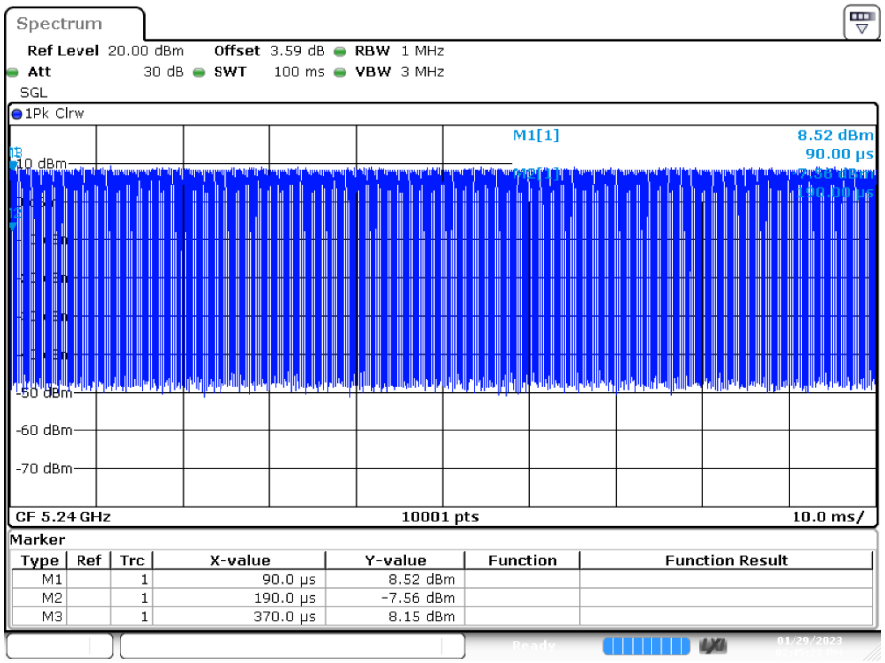
Test Graphs
Duty Cyclea 5180MHz Ant1



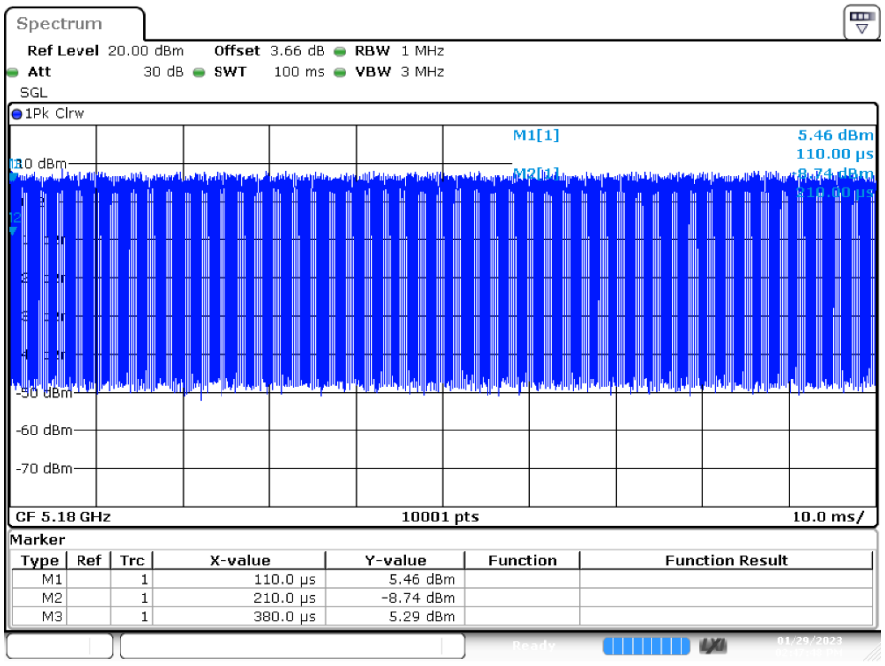
Duty Cycle a 5200MHz Ant1



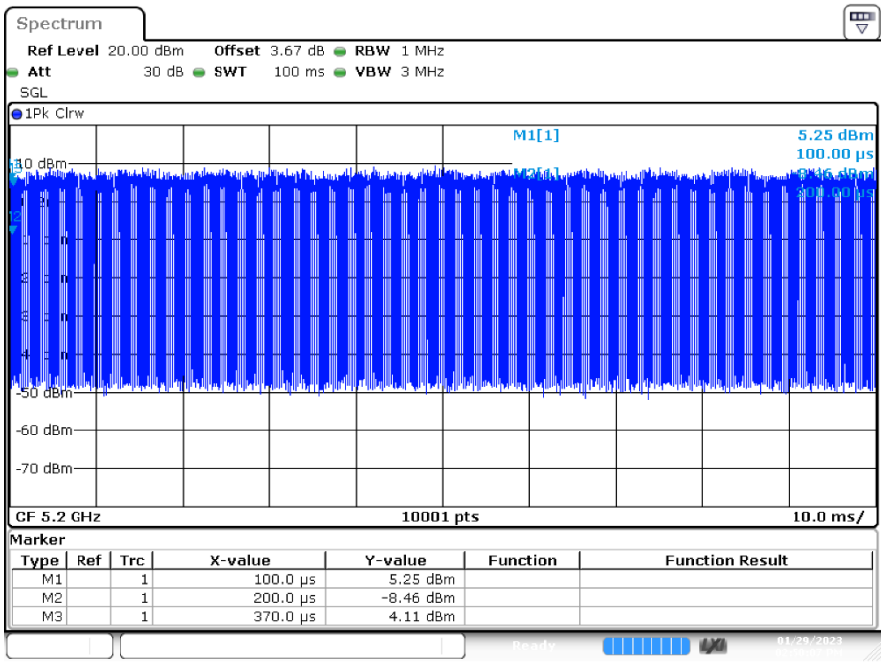
Duty Cyclea 5240MHz Ant1



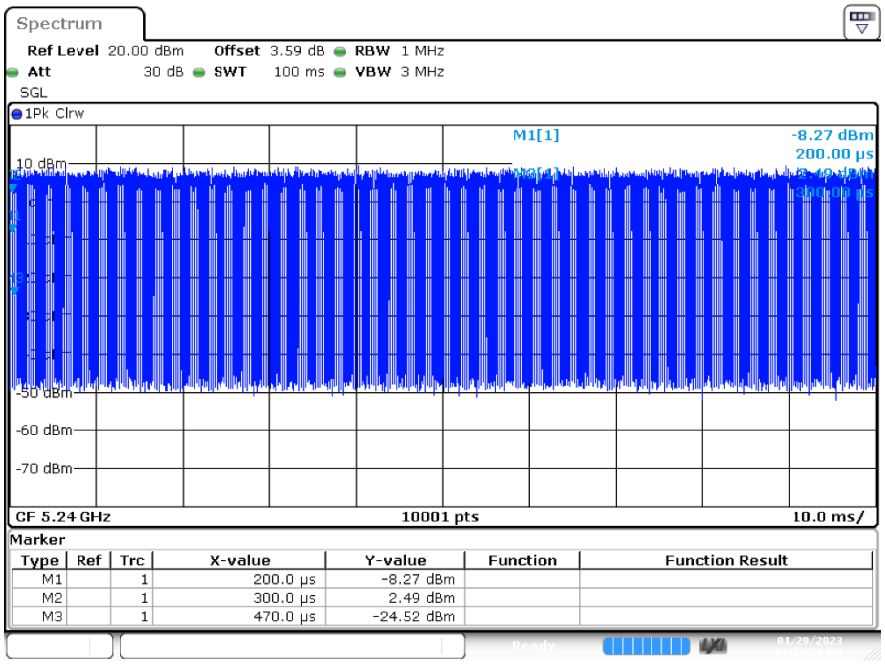
Duty Cycle n20 5180MHz Ant1



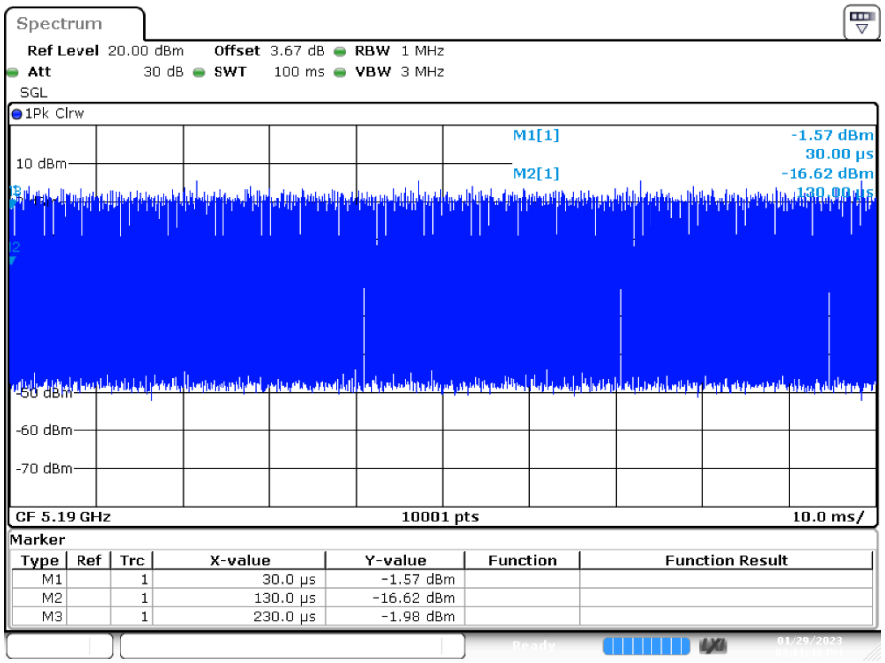
Duty Cycle n20 5200MHz Ant1



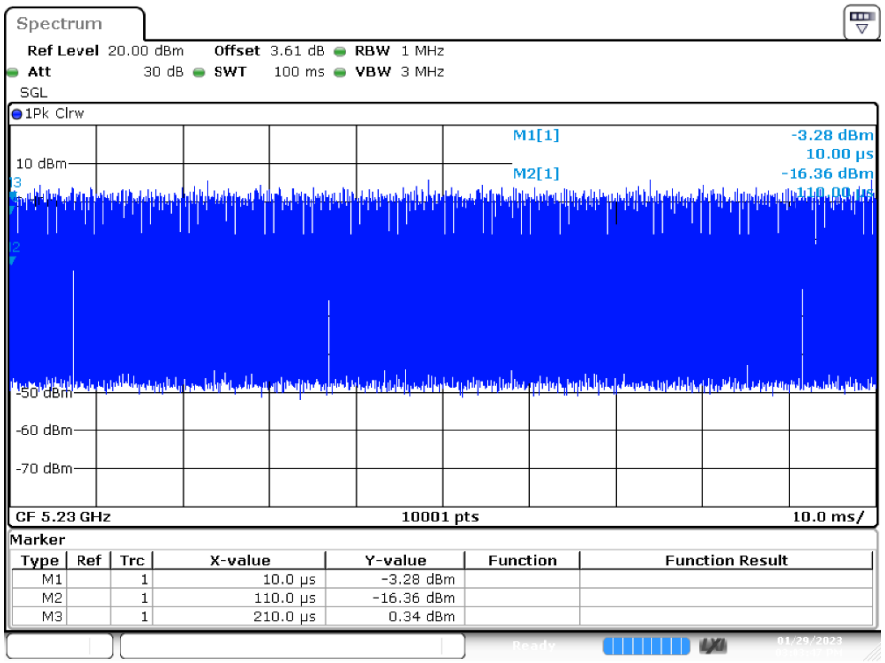
Duty Cycle n20 5240MHz Ant1



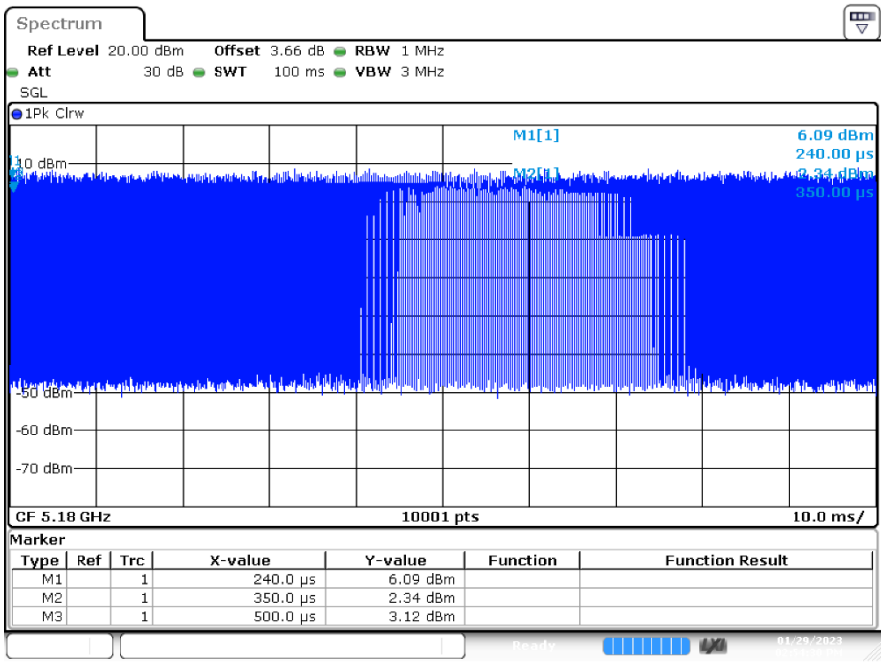
Duty Cyclen40 5190MHz Ant1



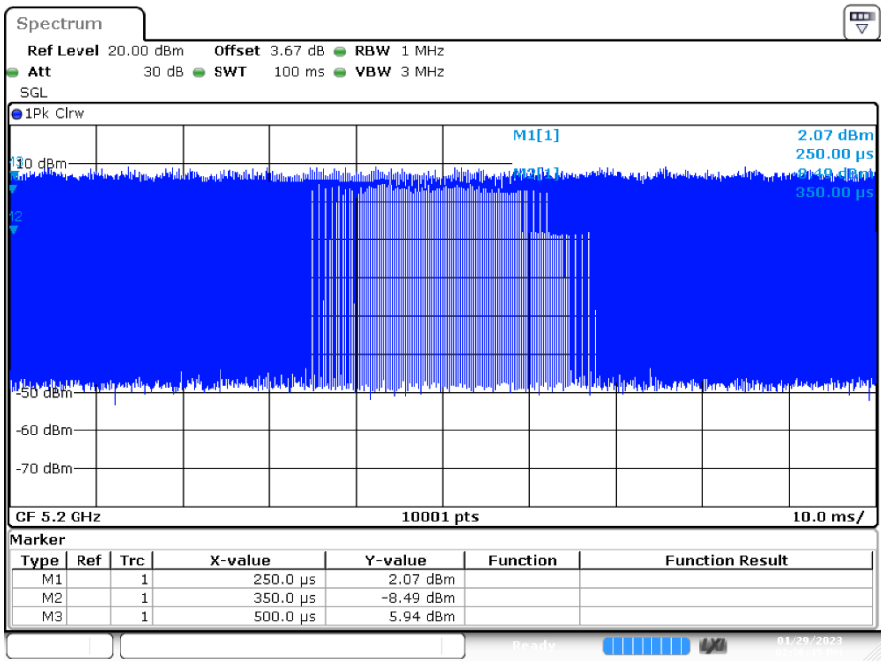
Duty Cyclen40 5230MHz Ant1



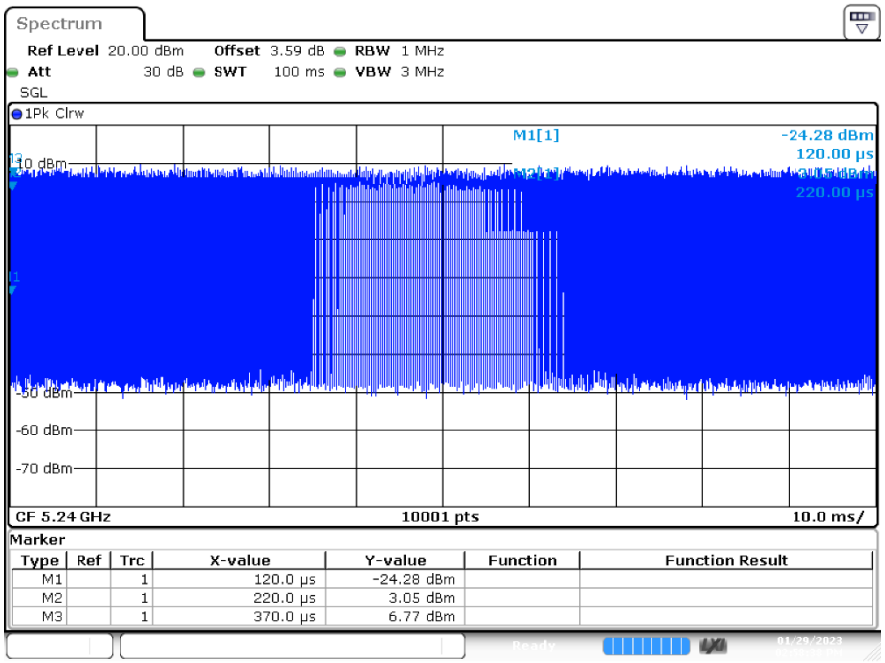
Duty Cycle ac20 5180MHz Ant1



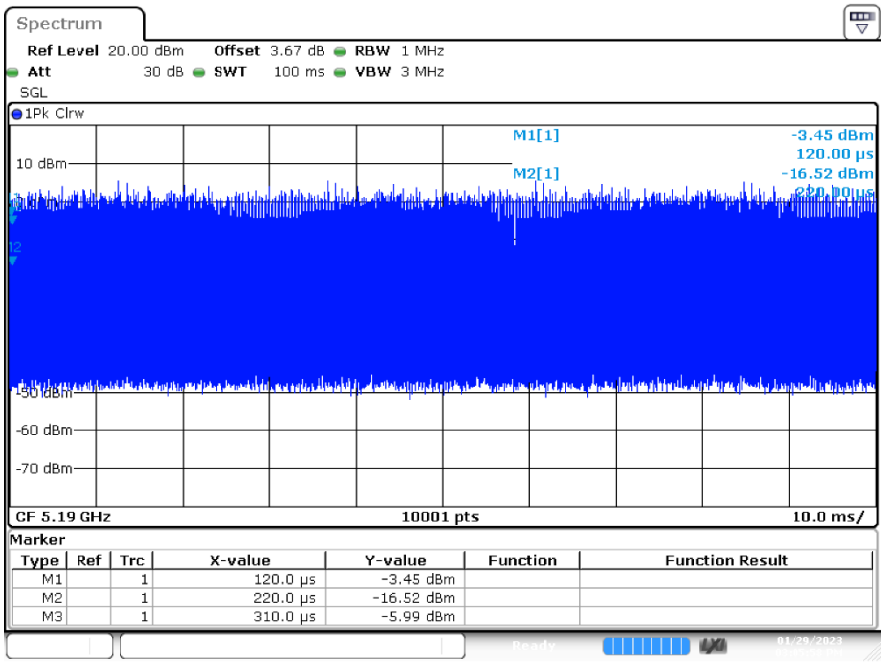
Duty Cycle ac20 5200MHz Ant1



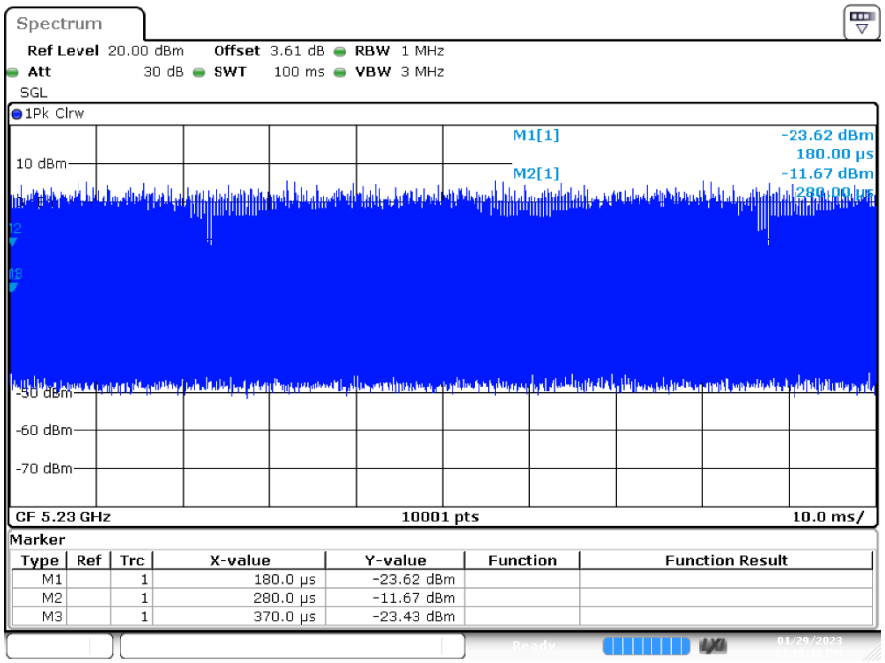
Duty Cycle ac20 5240MHz Ant1



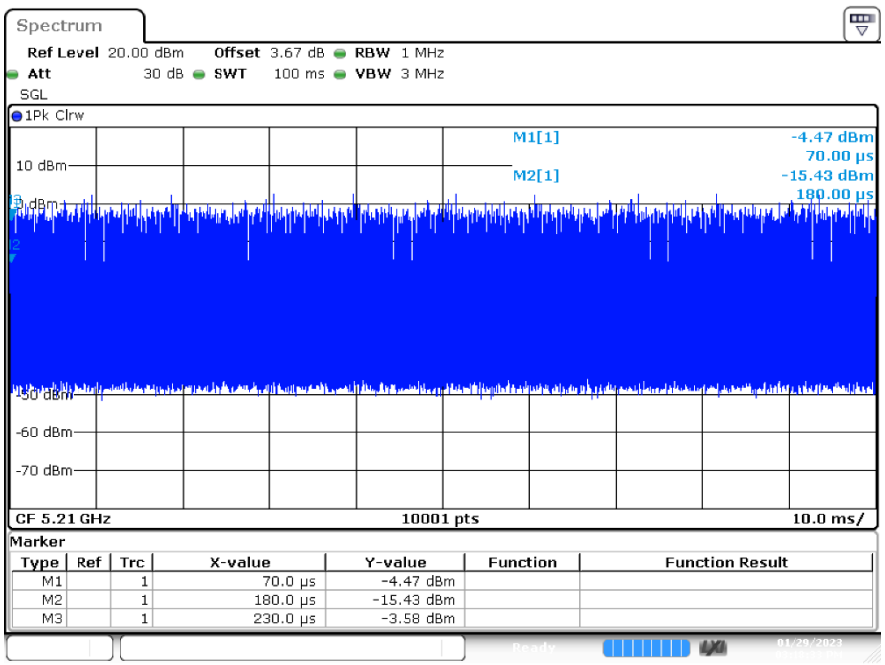
Duty Cycleac40 5190MHz Ant1



Duty Cycleac40 5230MHz Ant1



Duty Cycleac80 5210MHz 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	13.19	1.69	14.88	24	Pass
a	5200	Ant1	13.32	1.68	15	24	Pass
a	5240	Ant1	14.02	1.68	15.7	24	Pass
n20	5180	Ant1	12.7	1.78	14.48	24	Pass
n20	5200	Ant1	13.27	1.78	15.05	24	Pass
n20	5240	Ant1	13.61	1.78	15.39	24	Pass
n40	5190	Ant1	12.52	2.56	15.08	24	Pass
n40	5230	Ant1	12.94	2.56	15.5	24	Pass
ac20	5180	Ant1	12.46	1.93	14.39	24	Pass
ac20	5200	Ant1	12.96	1.9	14.86	24	Pass
ac20	5240	Ant1	13.51	1.92	15.43	24	Pass
ac40	5190	Ant1	12.17	2.78	14.95	24	Pass
ac40	5230	Ant1	12.64	2.78	15.42	24	Pass
ac80	5210	Ant1	11.32	3.45	14.77	24	Pass

3 -26dB Bandwidth

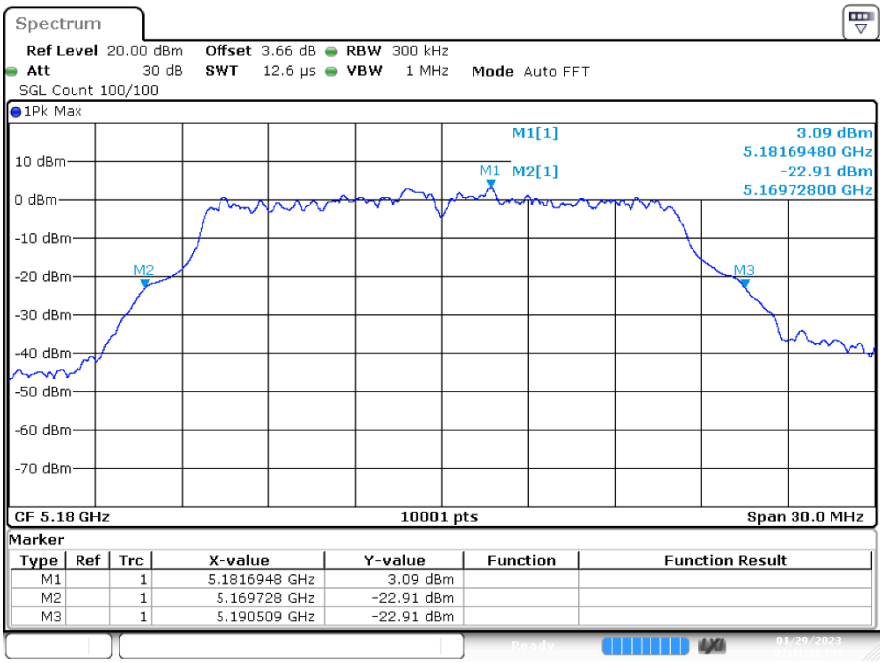
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	20.781	/	Pass
a	5200	Ant1	21.18	/	Pass
a	5240	Ant1	21.057	/	Pass
n20	5180	Ant1	21.039	/	Pass
n20	5200	Ant1	21.099	/	Pass
n20	5240	Ant1	21.099	/	Pass
n40	5190	Ant1	39.042	/	Pass
n40	5230	Ant1	38.712	/	Pass
ac20	5180	Ant1	21.105	/	Pass
ac20	5200	Ant1	21.012	/	Pass
ac20	5240	Ant1	21.123	/	Pass
ac40	5190	Ant1	39.282	/	Pass
ac40	5230	Ant1	39.138	/	Pass
ac80	5210	Ant1	79.092	/	Pass

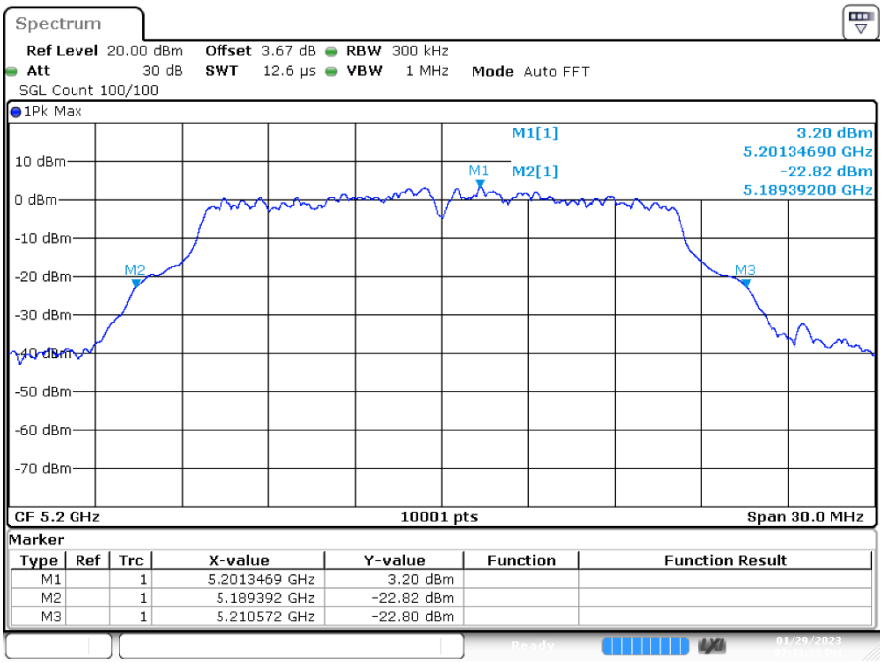
3.2 Test Graphs

Test Graphs

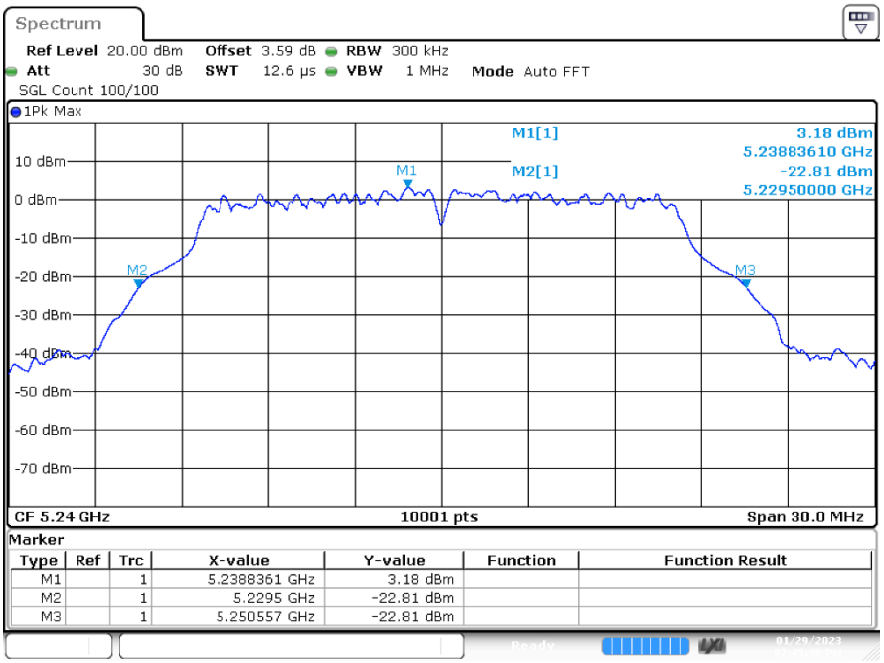
-26dB Bandwidtha 5180MHz Ant1



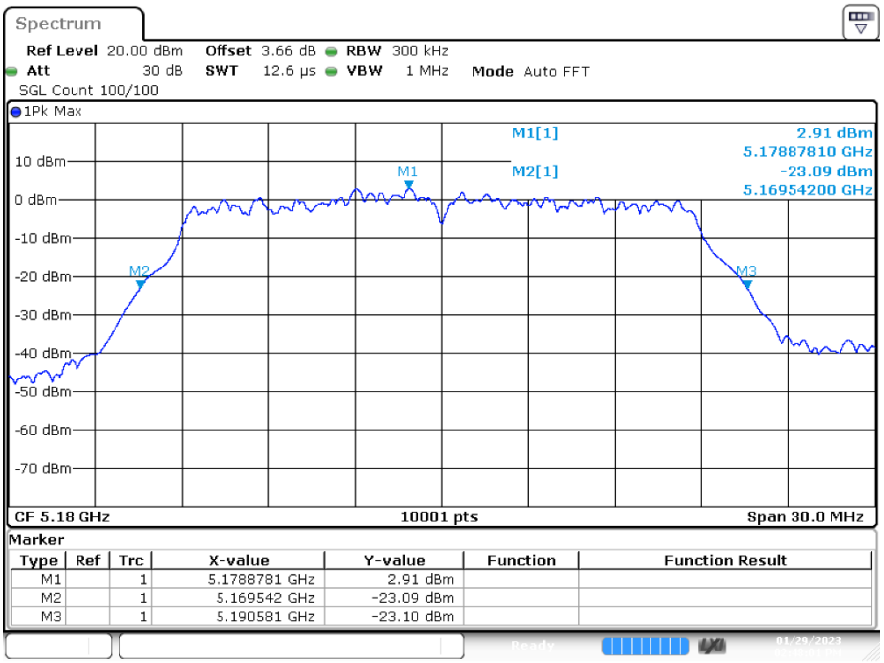
-26dB Bandwidtha 5200MHz Ant1



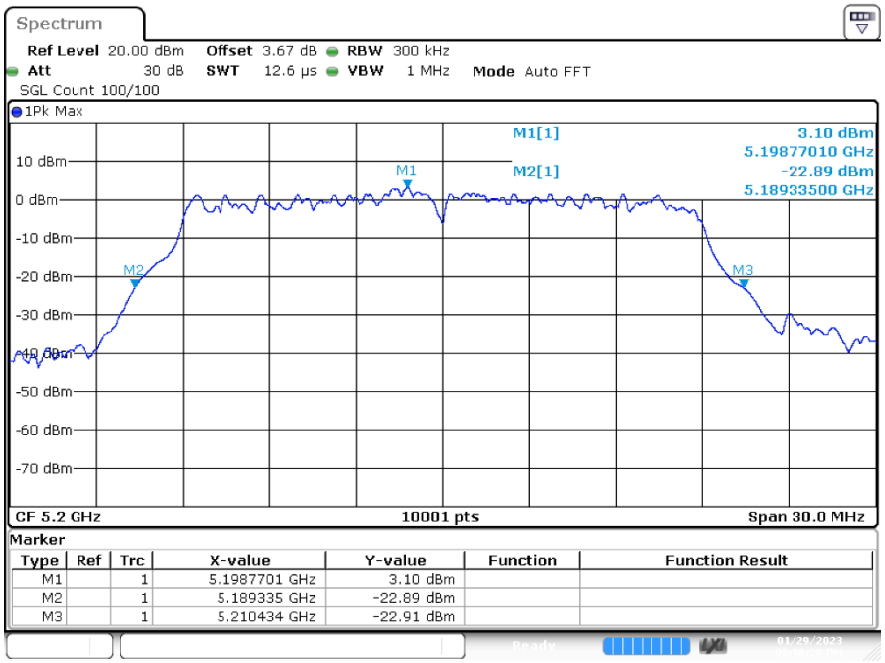
-26dB Bandwidtha 5240MHz Ant1



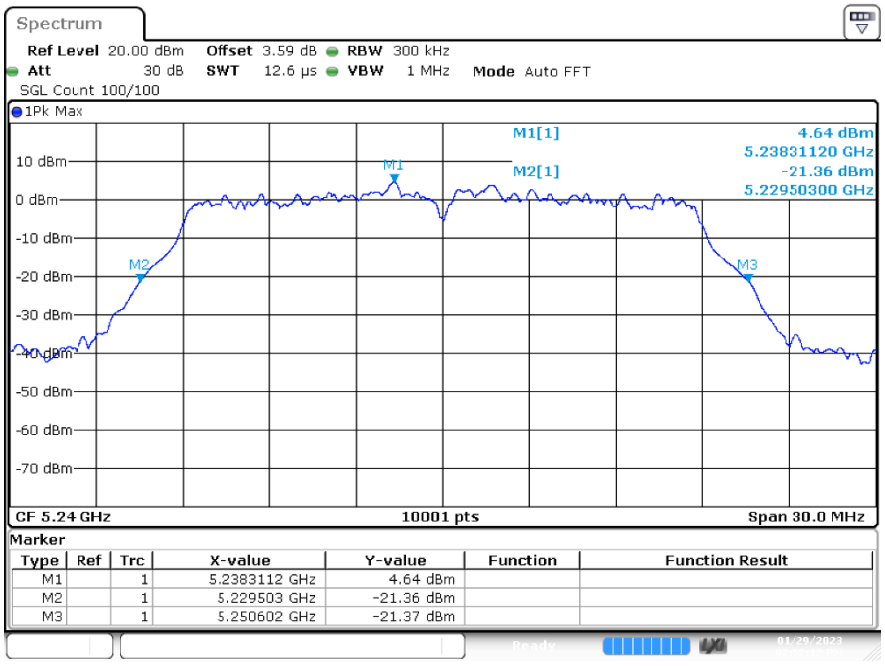
-26dB Bandwidth n20 5180MHz Ant1



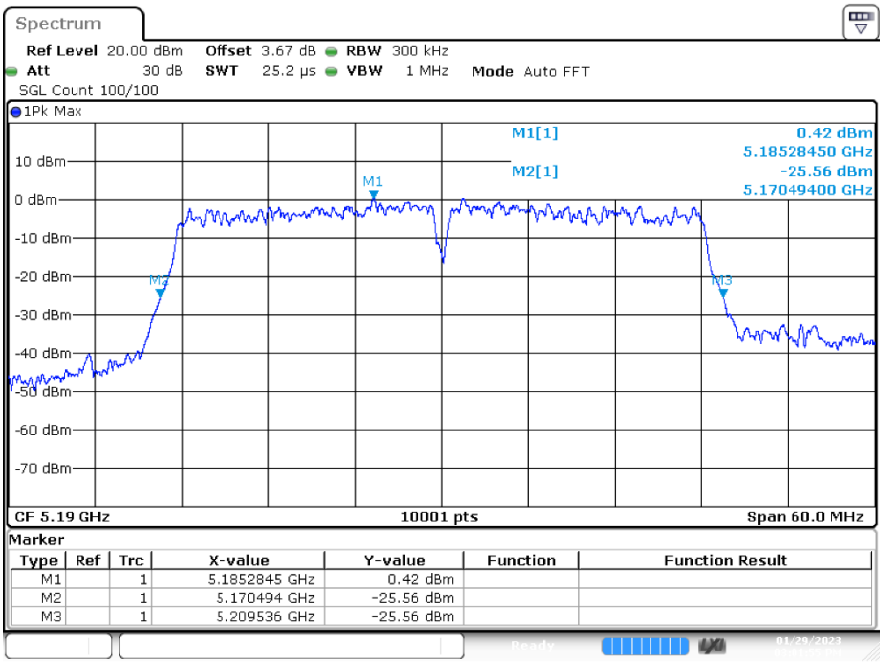
-26dB Bandwidth n20 5200MHz Ant1



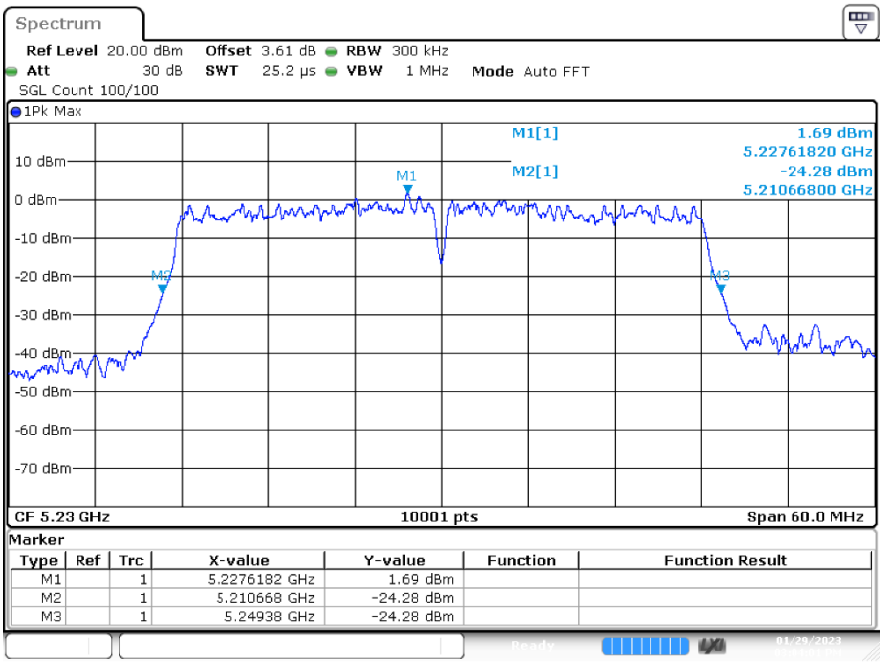
-26dB Bandwidth n20 5240MHz Ant1



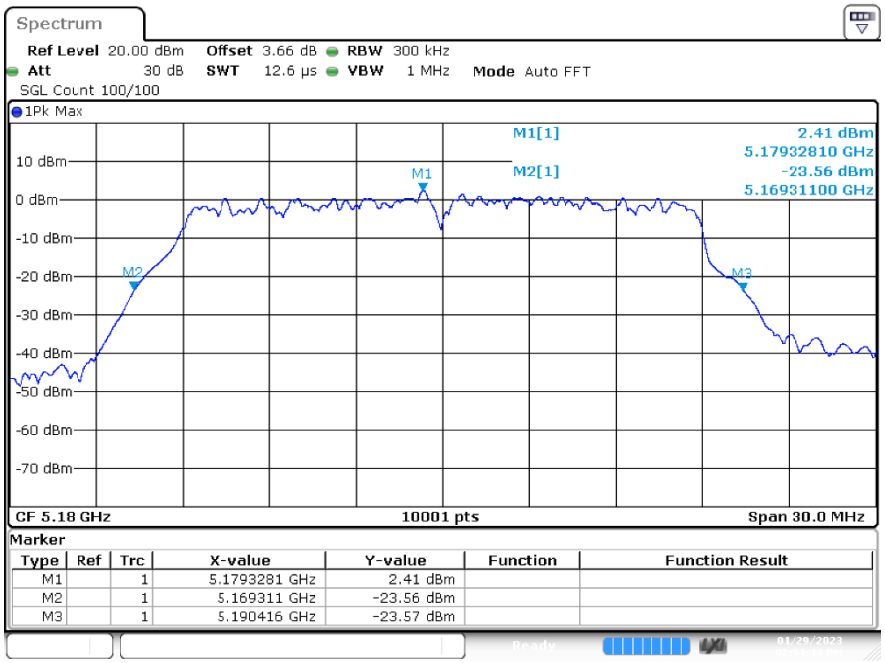
-26dB Bandwidthn40 5190MHz Ant1



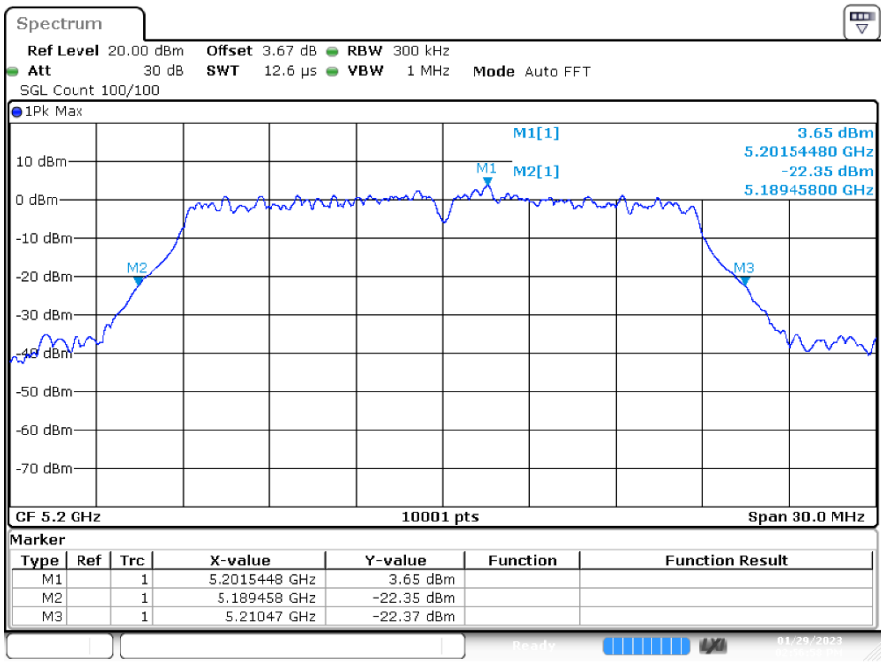
-26dB Bandwidthn40 5230MHz Ant1



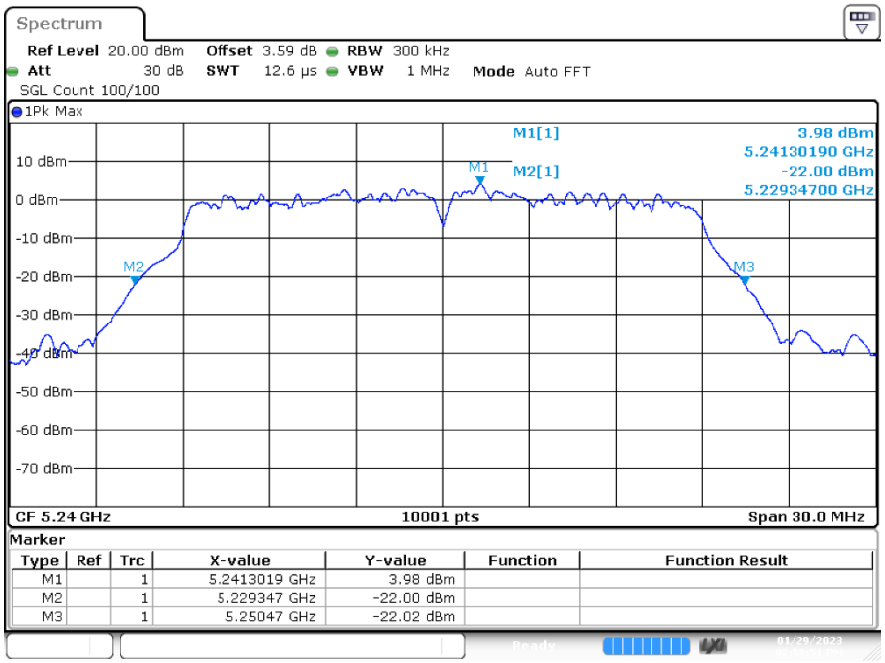
-26dB Bandwidth ac20 5180MHz Ant1



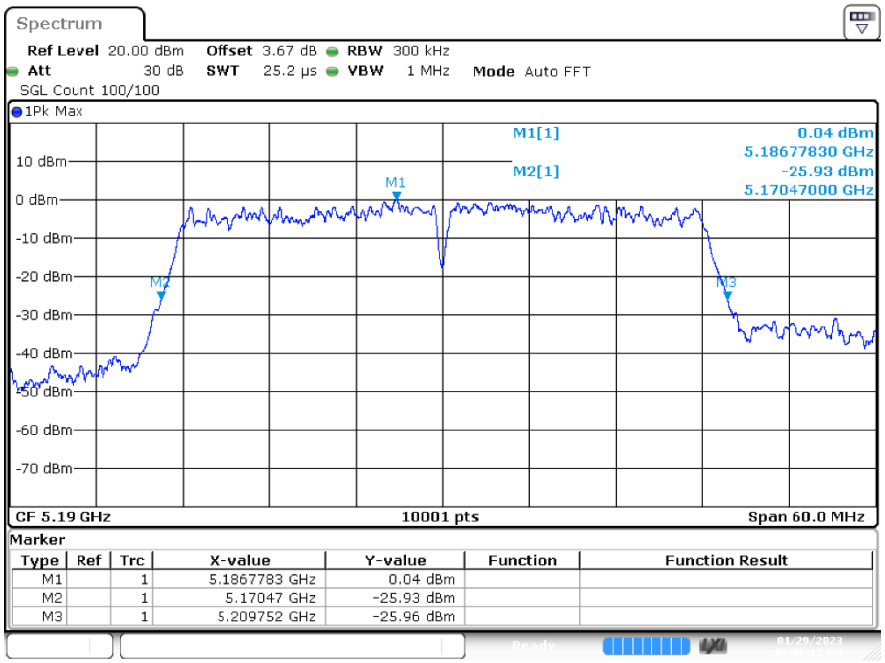
-26dB Bandwidth ac20 5200MHz Ant1



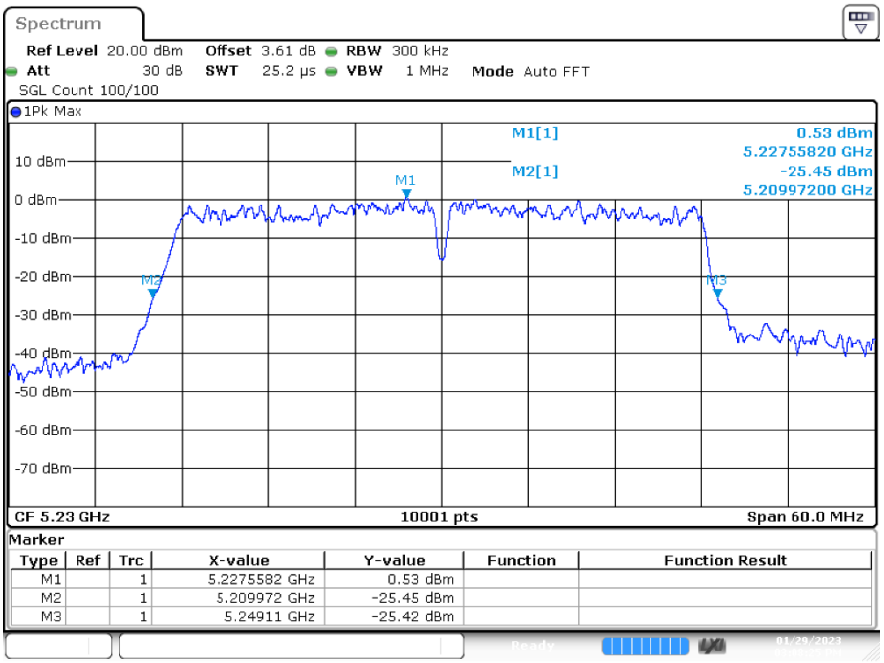
-26dB Bandwidth ac20 5240MHz Ant1



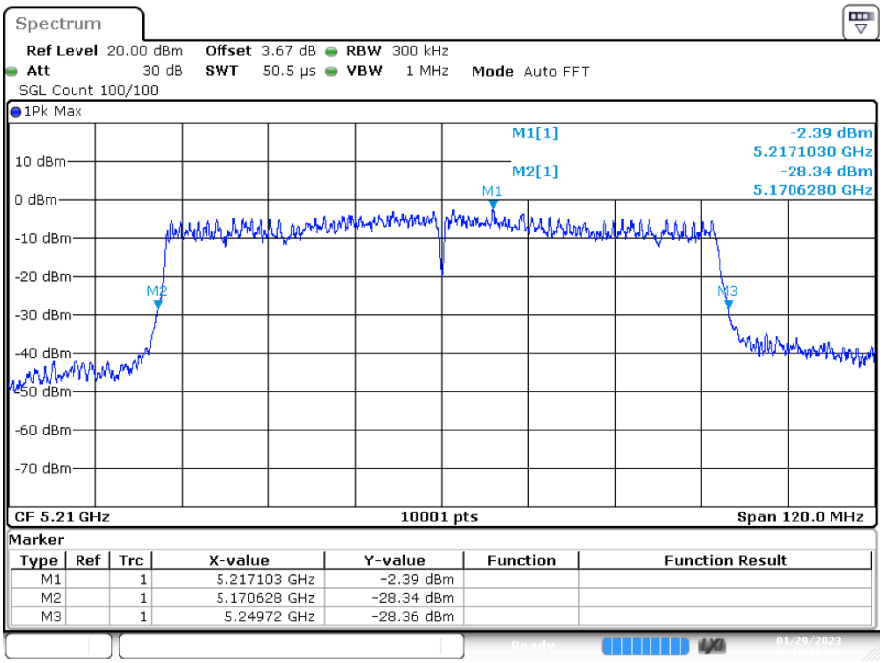
-26dB Bandwidthac40 5190MHz Ant1



-26dB Bandwidthac40 5230MHz Ant1



-26dB Bandwidthac80 5210MHz Ant1

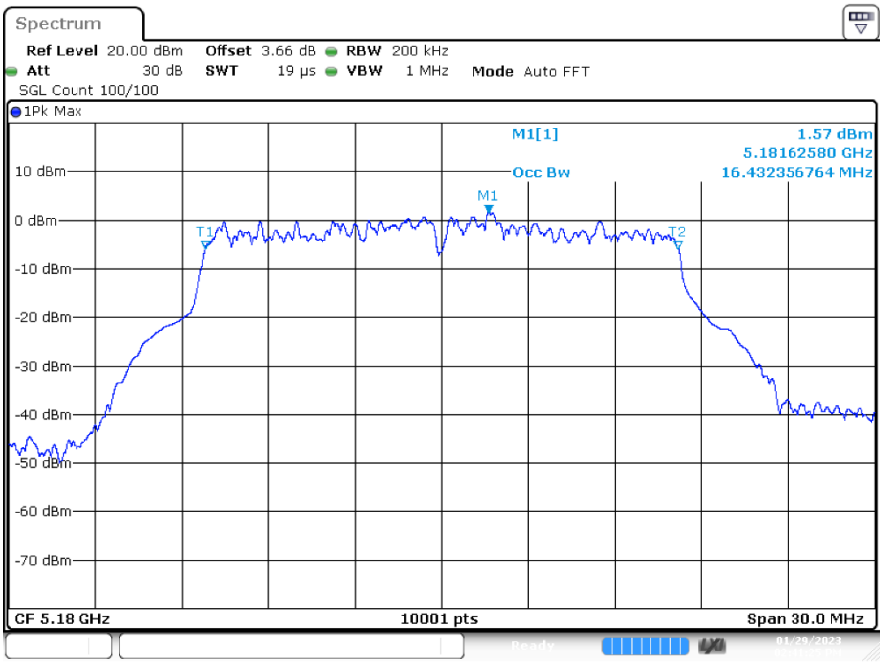
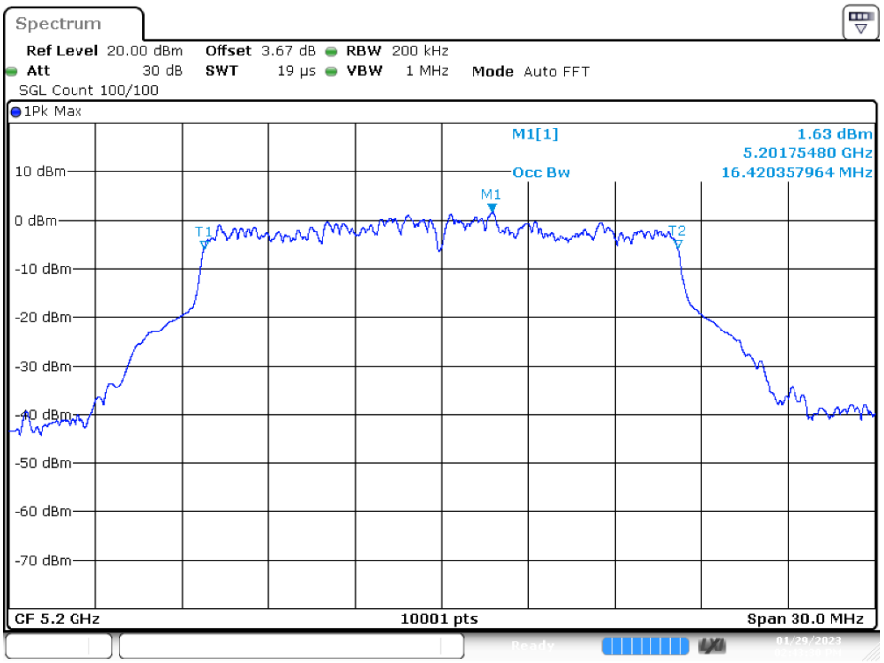


4 Occupied Channel Bandwidth

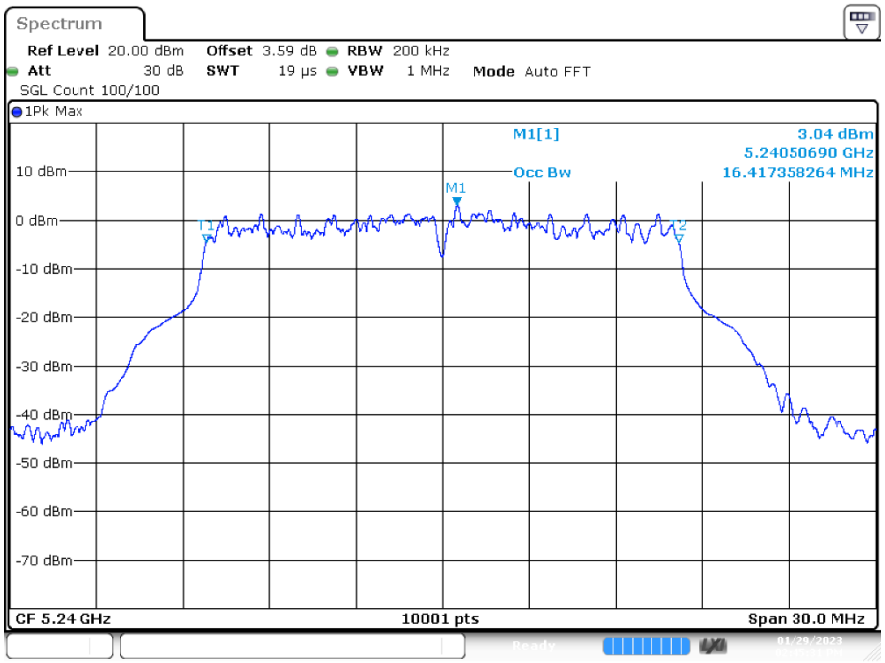
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.432
a	5200	Ant1	16.42
a	5240	Ant1	16.417
n20	5180	Ant1	17.59
n20	5200	Ant1	17.599
n20	5240	Ant1	17.701
n40	5190	Ant1	36.146
n40	5230	Ant1	36.2
ac20	5180	Ant1	17.671
ac20	5200	Ant1	17.794
ac20	5240	Ant1	17.686
ac40	5190	Ant1	36.404
ac40	5230	Ant1	36.662
ac80	5210	Ant1	75.784

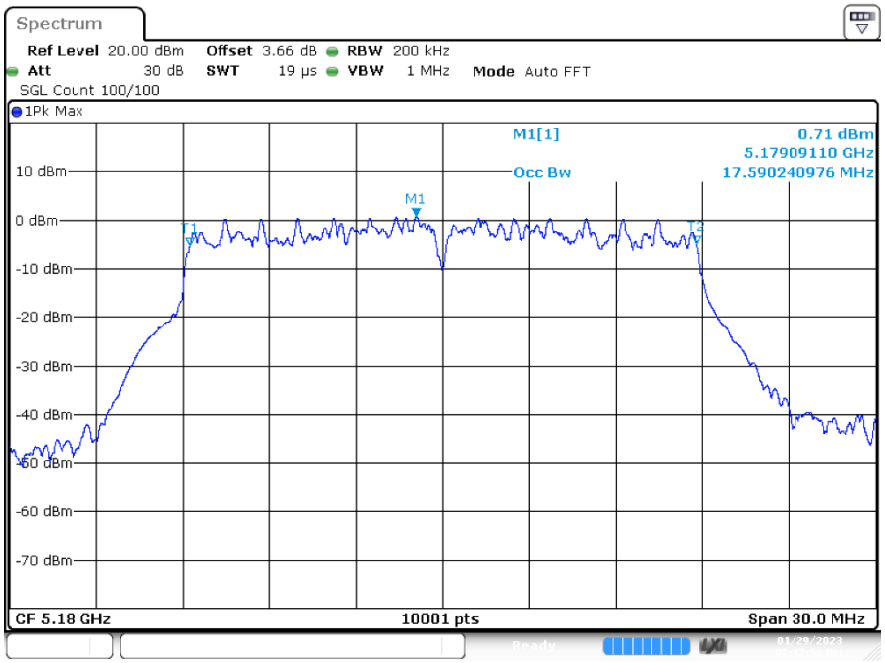
4.2 Test Graphs

Test Graphs
OBWa 5180MHz Ant1

OBWa 5200MHz Ant1


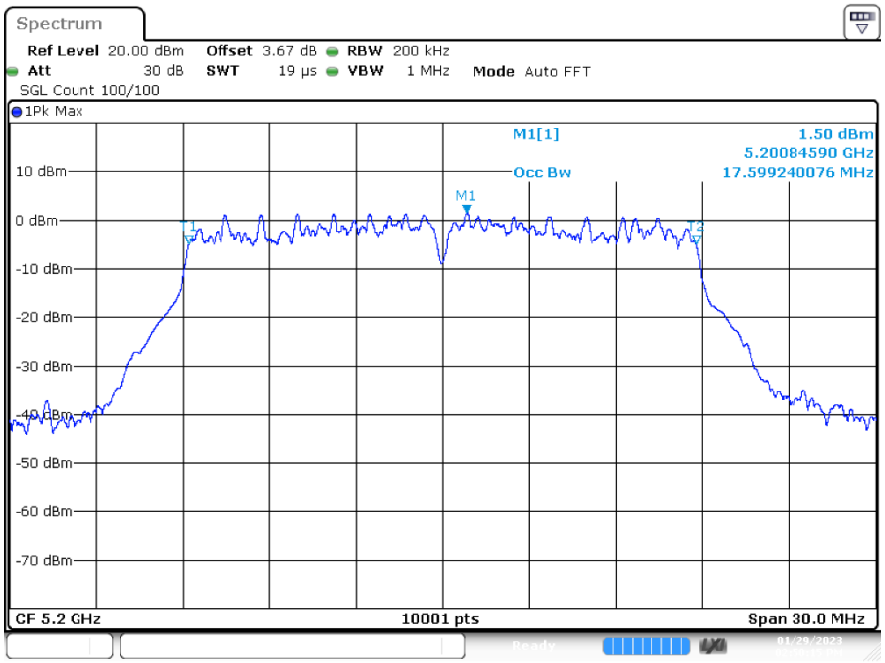
OBWa 5240MHz Ant1



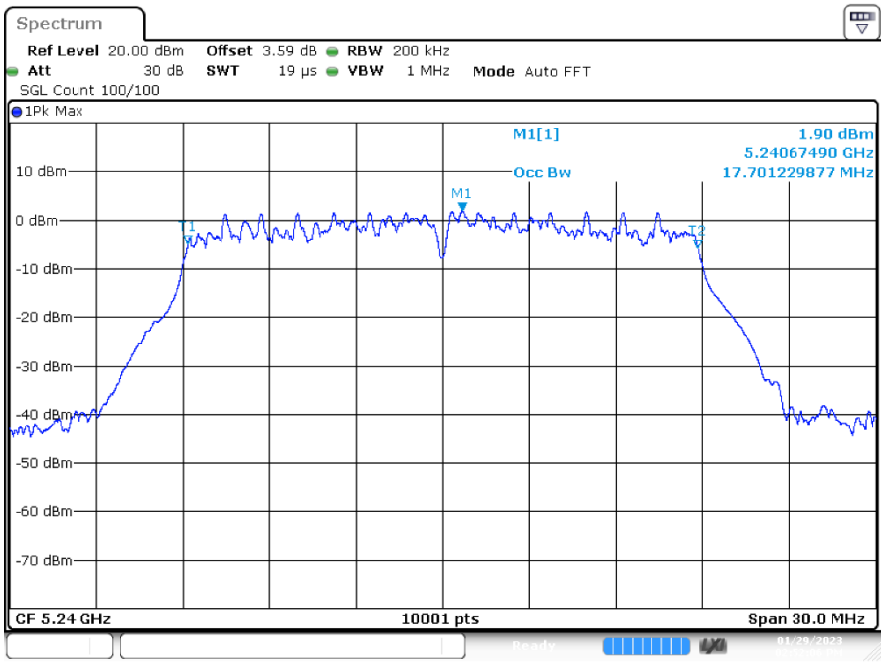
OBW n20 5180MHz Ant1



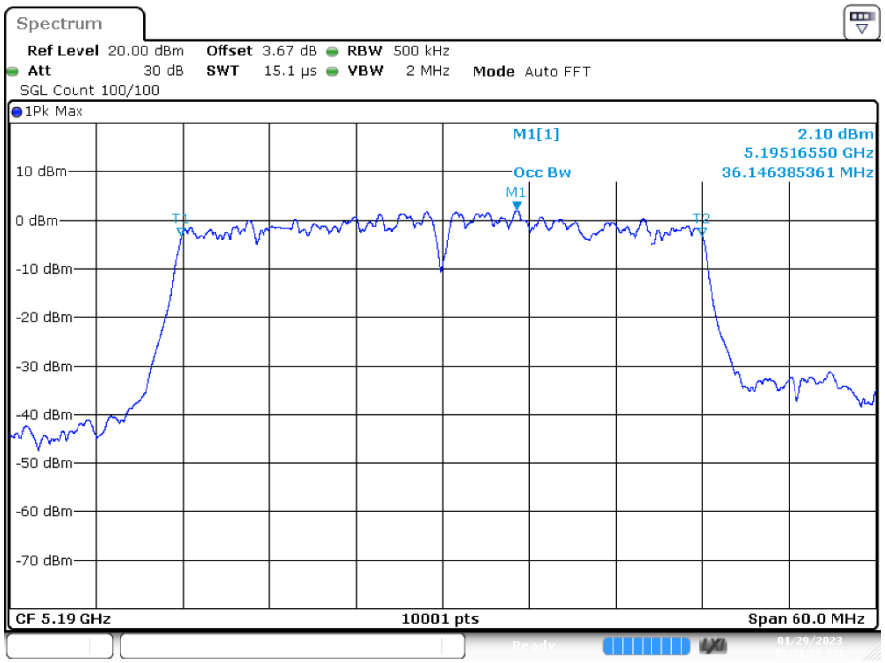
OBW n20 5200MHz Ant1



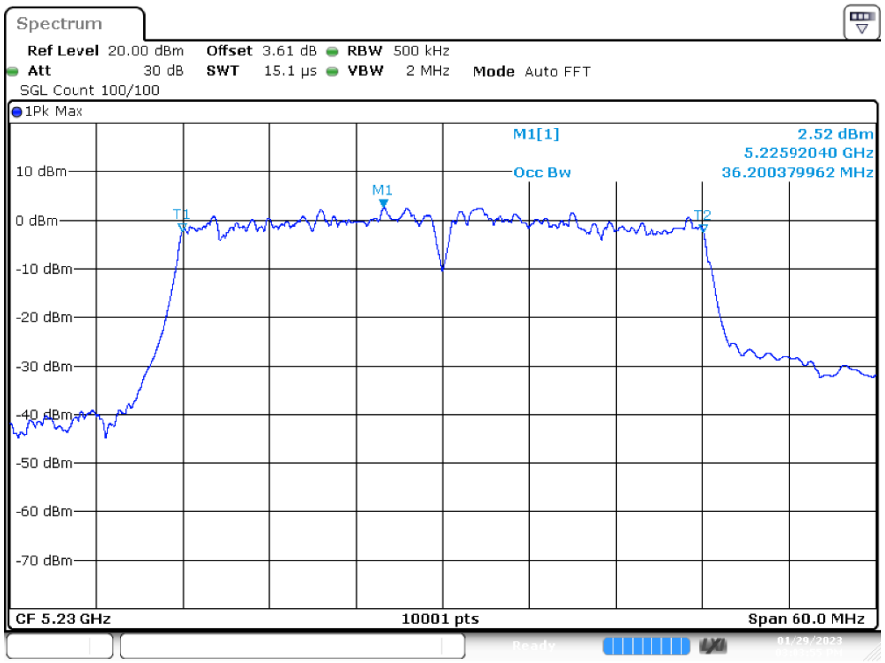
OBW n20 5240MHz Ant1



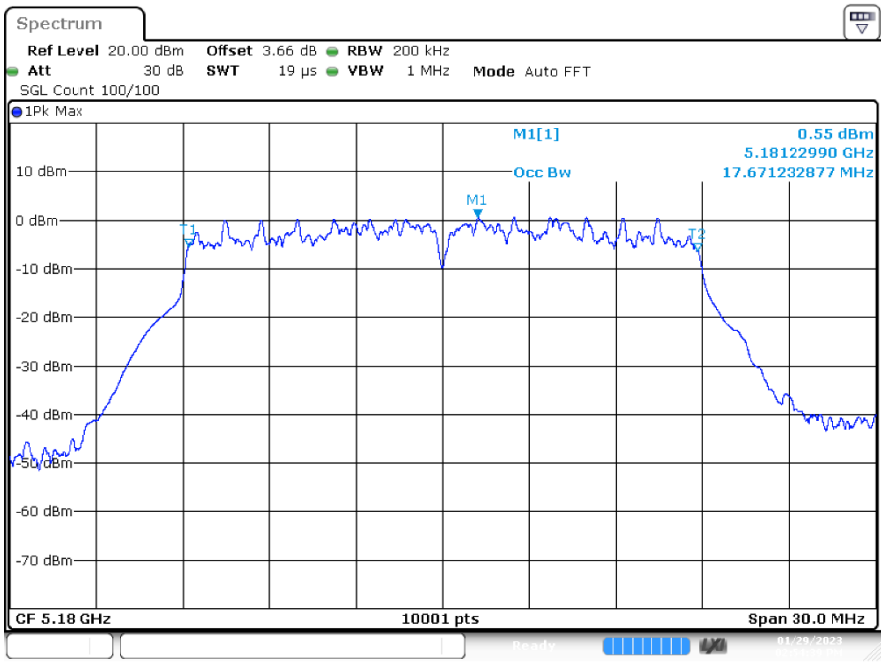
OBWn40 5190MHz Ant1



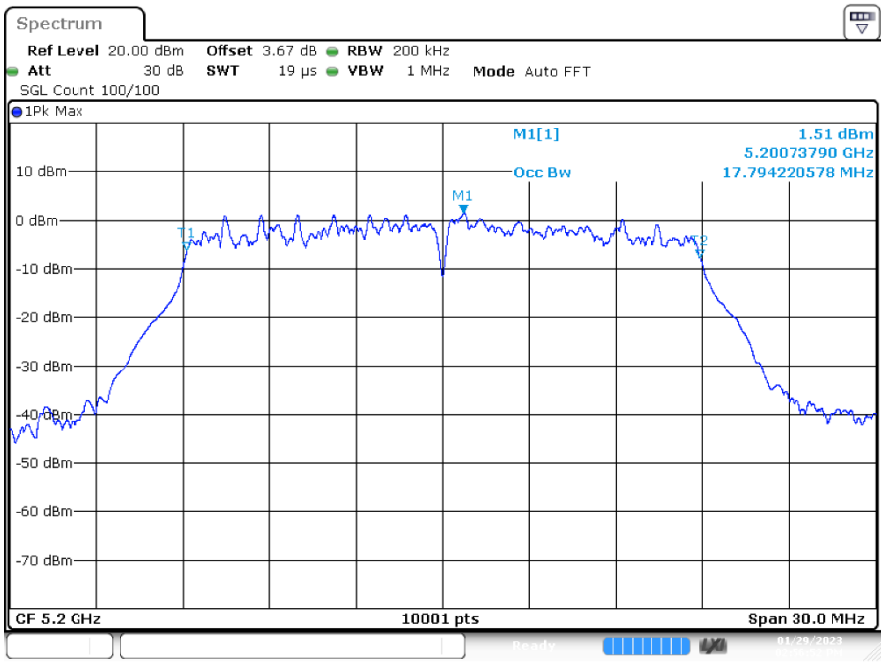
OBWn40 5230MHz Ant1



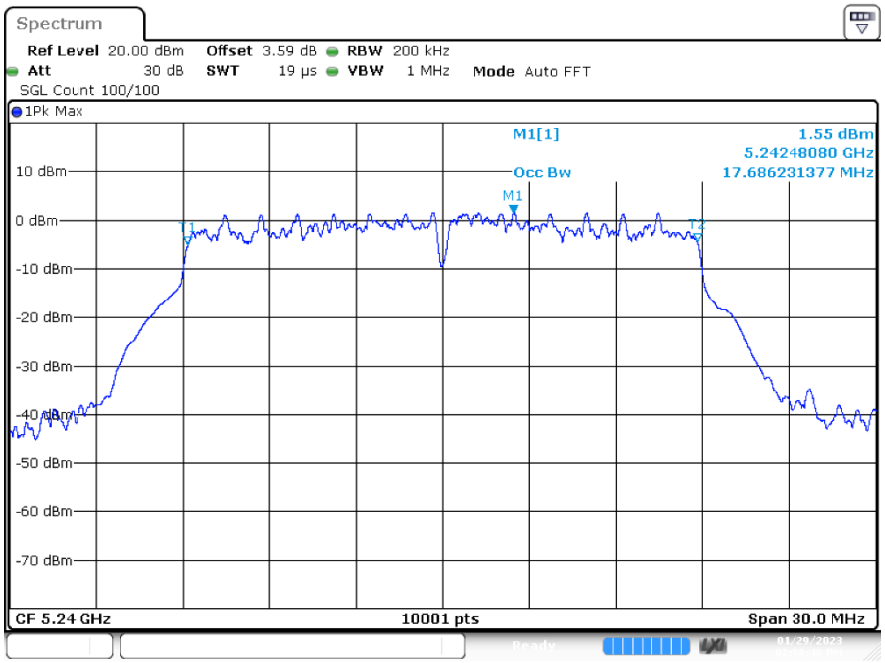
OBW ac20 5180MHz Ant1



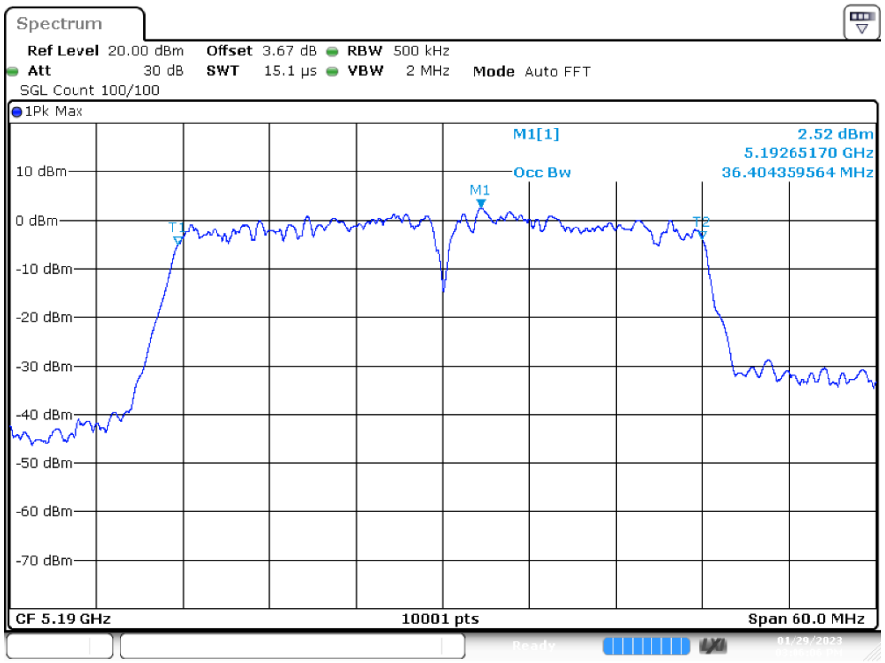
OBW ac20 5200MHz Ant1



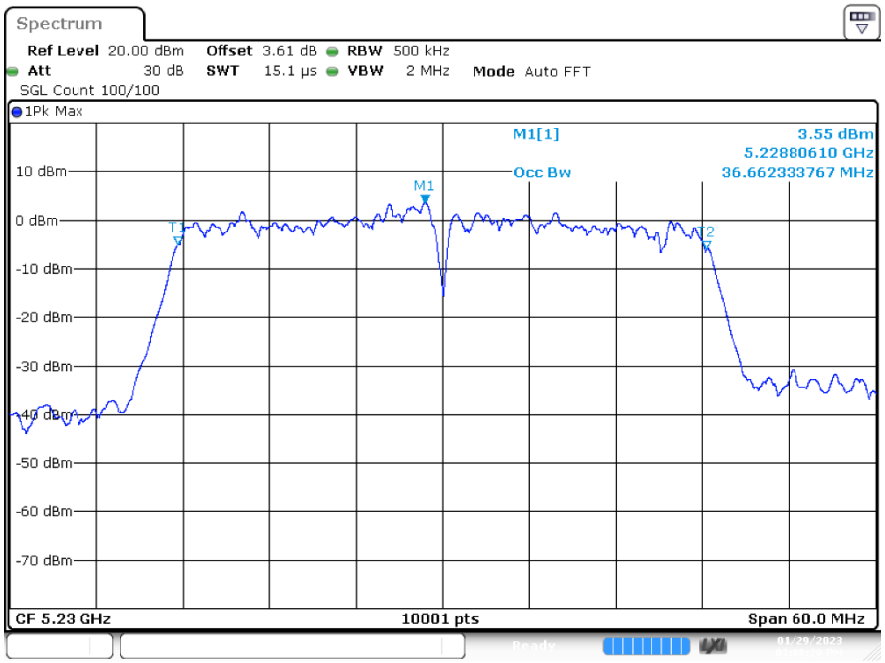
OBW ac20 5240MHz Ant1



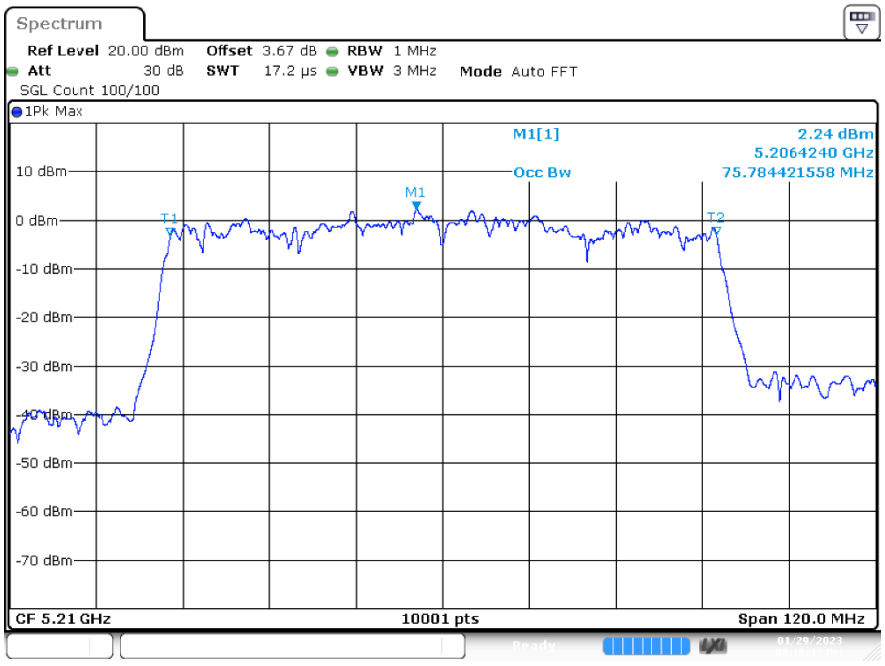
OBWac40 5190MHz Ant1



OBWac40 5230MHz Ant1



OBWac80 5210MHz Ant1

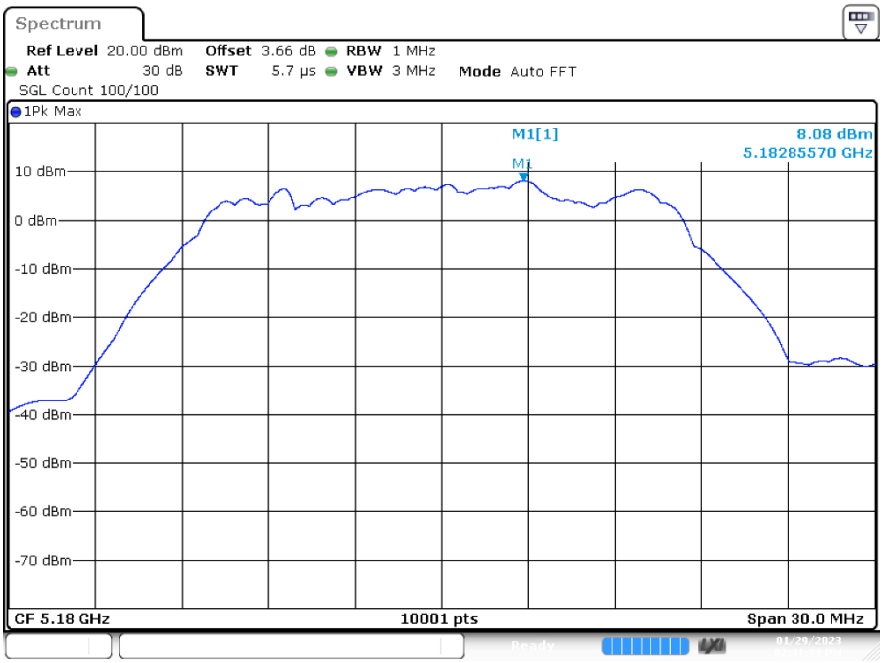
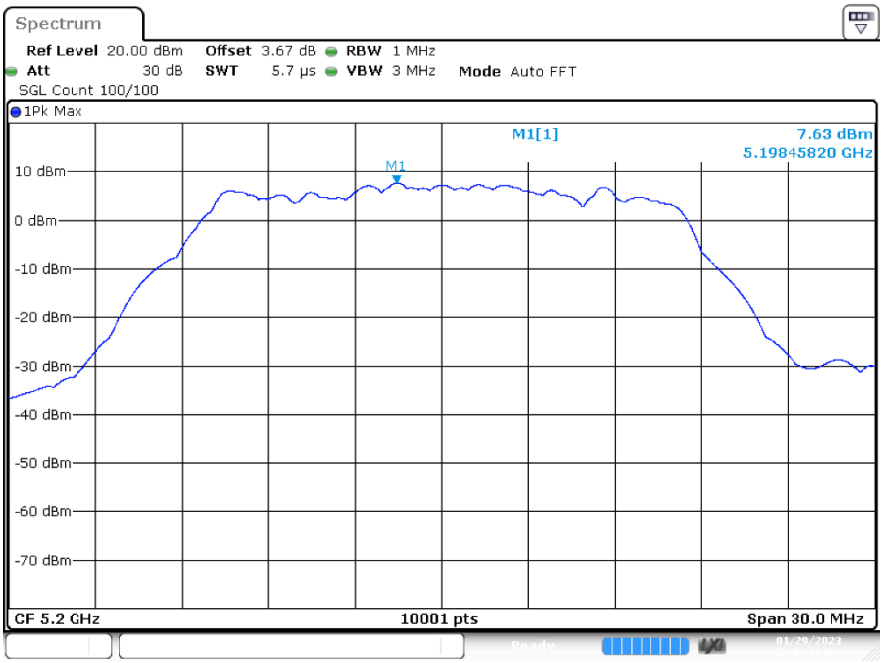


5 Maximum Power Spectral Density Level

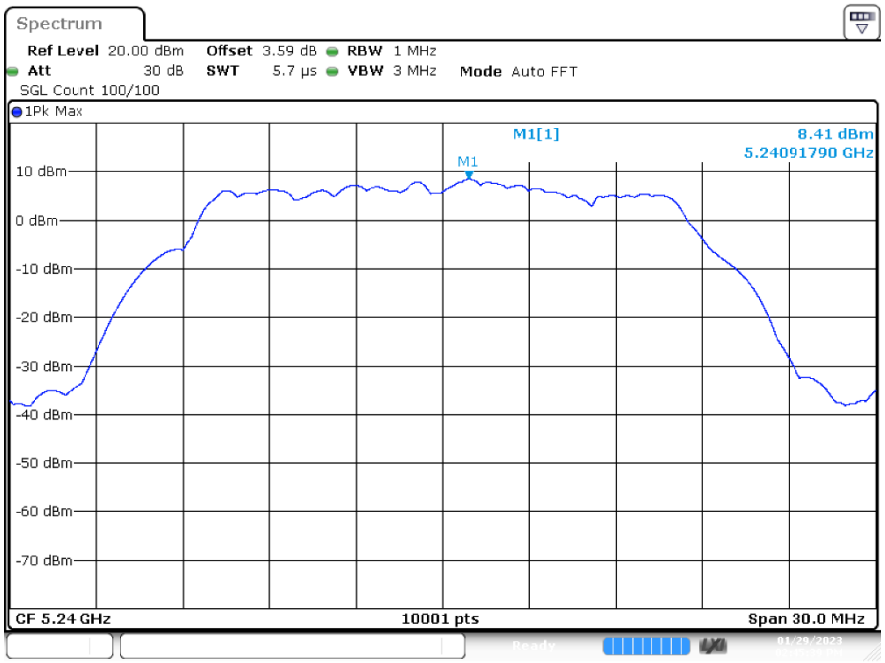
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	8.08	1.69	9.77	11	Pass
a	5200	Ant1	7.63	1.68	9.31	11	Pass
a	5240	Ant1	8.41	1.68	10.09	11	Pass
n20	5180	Ant1	8.04	1.78	9.82	11	Pass
n20	5200	Ant1	8.74	1.78	10.52	11	Pass
n20	5240	Ant1	8.1	1.78	9.88	11	Pass
n40	5190	Ant1	5.47	2.56	8.03	11	Pass
n40	5230	Ant1	5.74	2.56	8.30	11	Pass
ac20	5180	Ant1	6.95	1.93	8.88	11	Pass
ac20	5200	Ant1	7.76	1.9	9.66	11	Pass
ac20	5240	Ant1	8.24	1.92	10.16	11	Pass
ac40	5190	Ant1	6.67	2.78	9.45	11	Pass
ac40	5230	Ant1	4.99	2.78	7.77	11	Pass
ac80	5210	Ant1	3.76	3.45	7.21	11	Pass

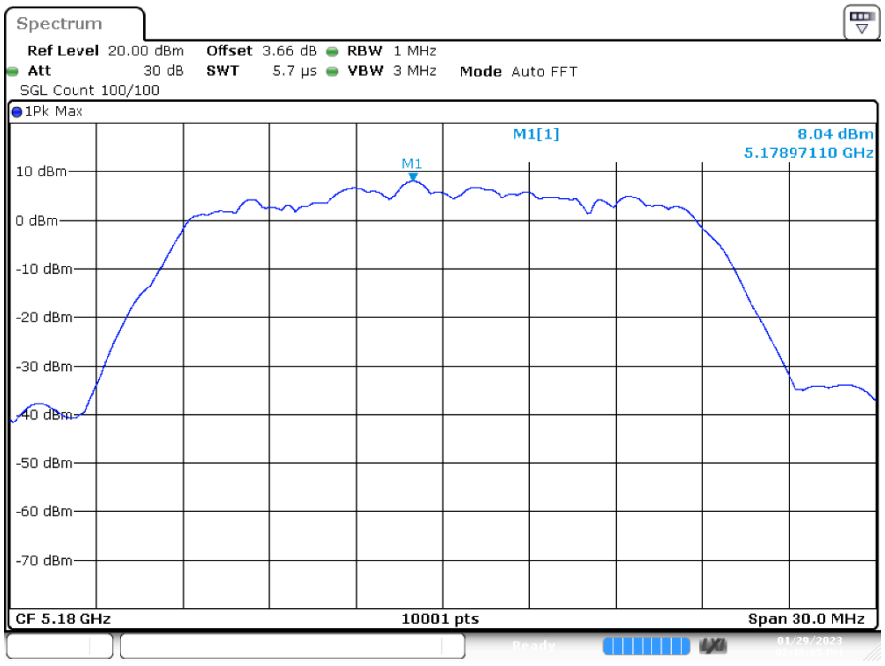
5.2 Test Graphs

Test Graphs
PSDa 5180MHz Ant1

PSD a 5200MHz Ant1


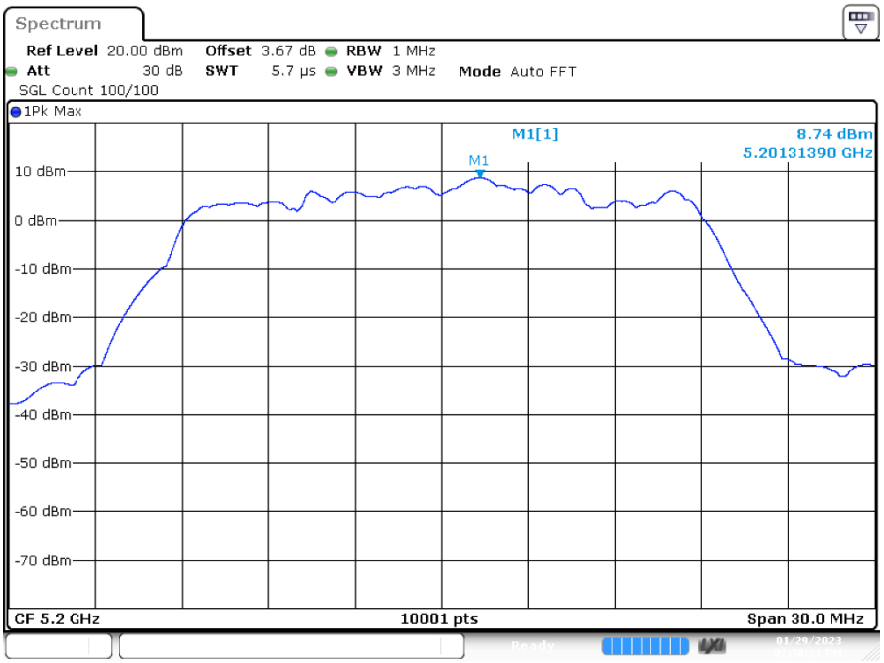
PSDa 5240MHz Ant1



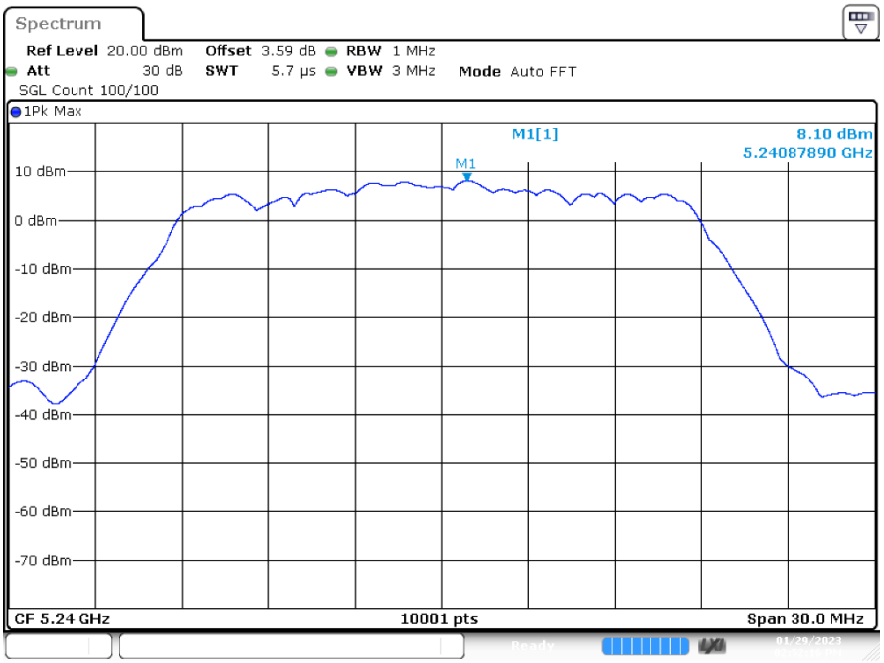
PSD n20 5180MHz Ant1



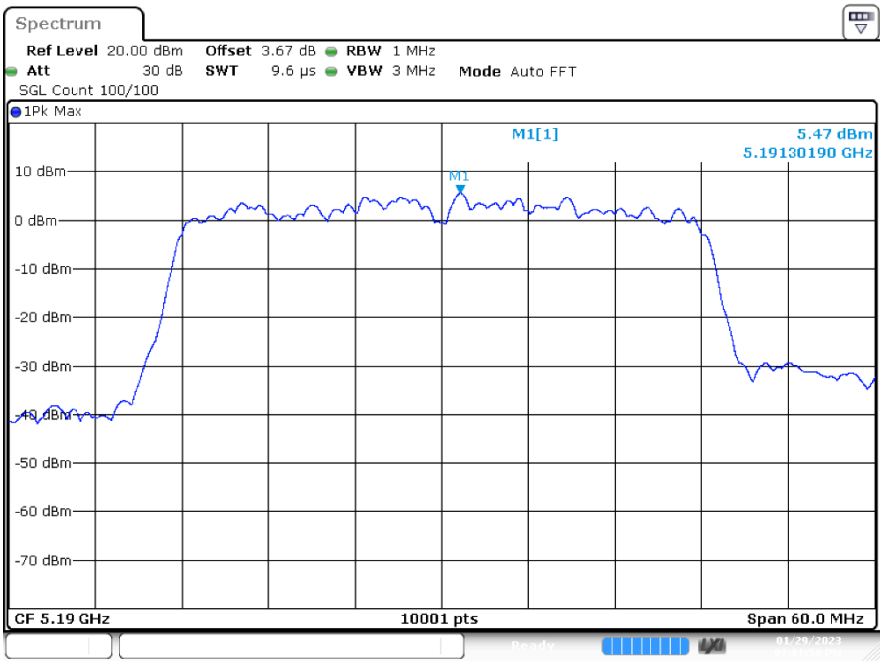
PSD n20 5200MHz Ant1



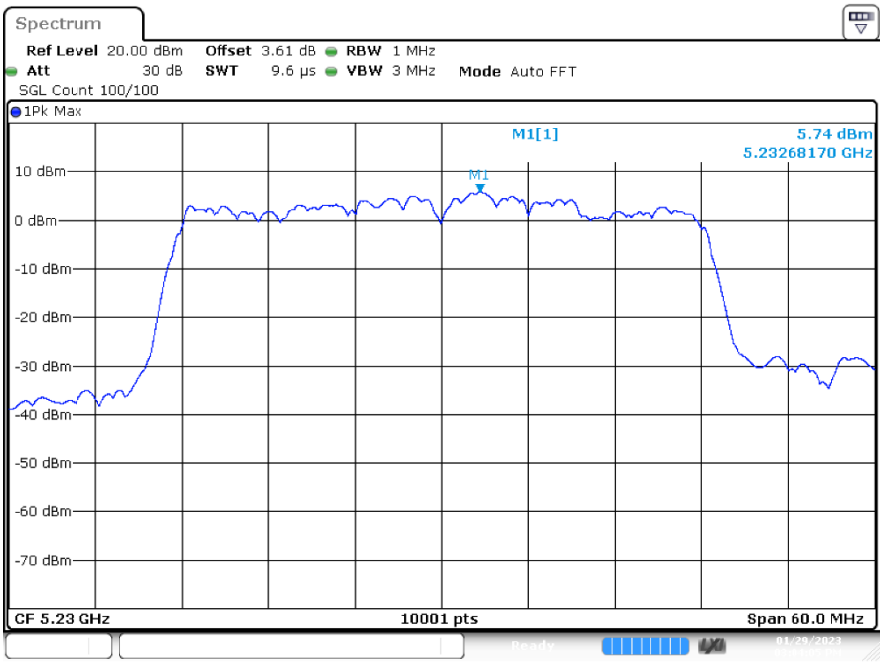
PSD n20 5240MHz Ant1



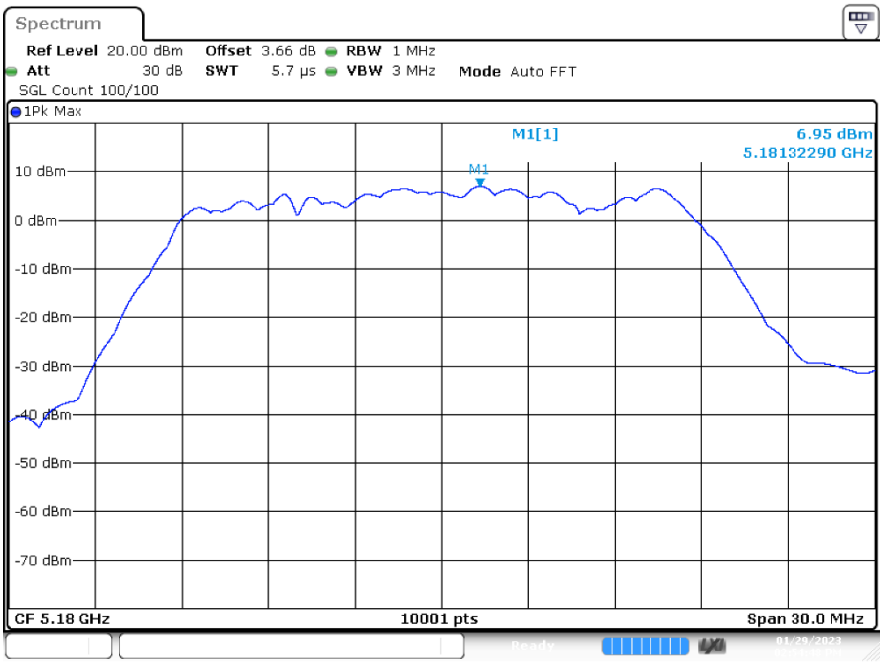
PSDn40 5190MHz Ant1



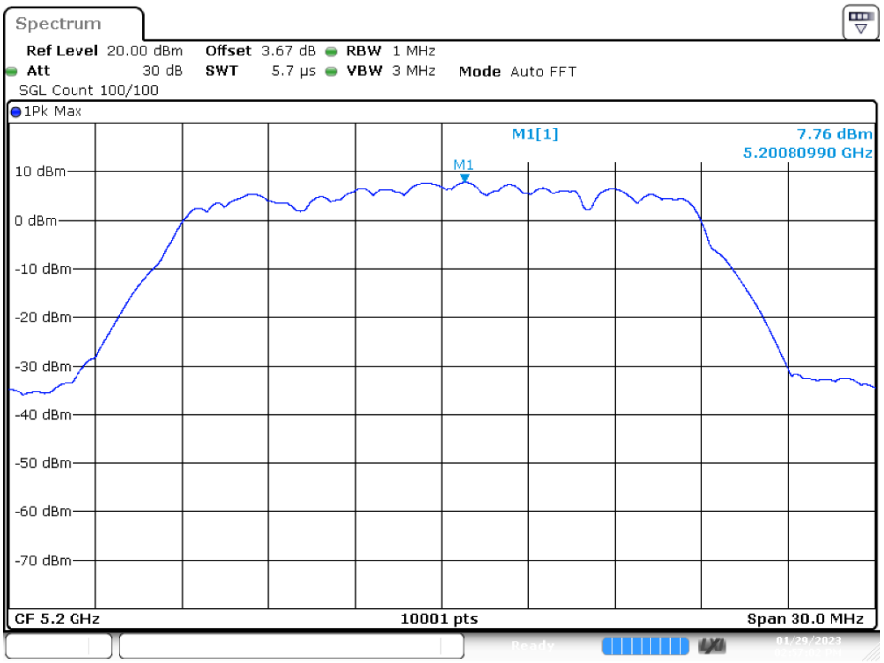
PSDn40 5230MHz Ant1



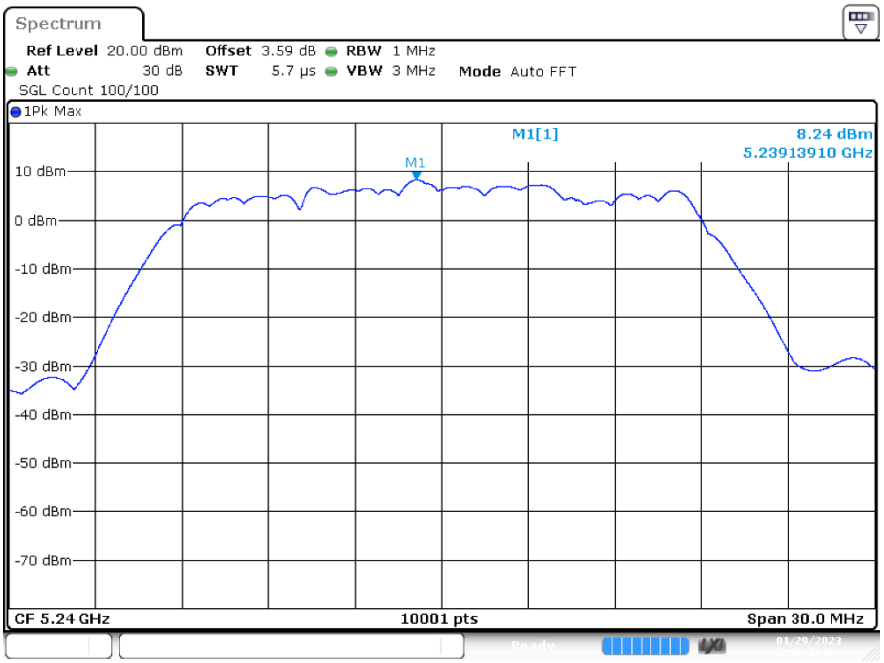
PSD ac20 5180MHz Ant1



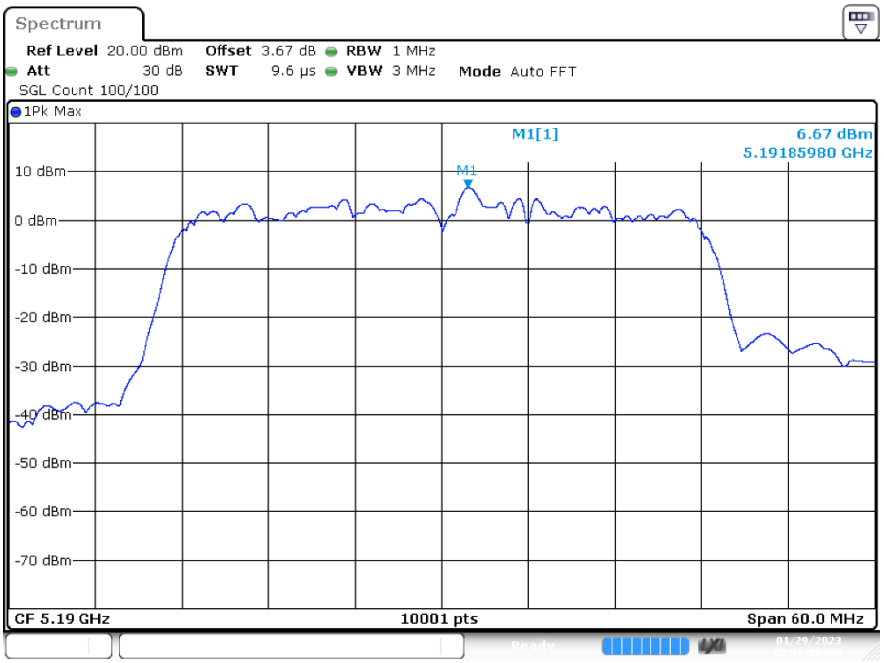
PSD ac20 5200MHz Ant1



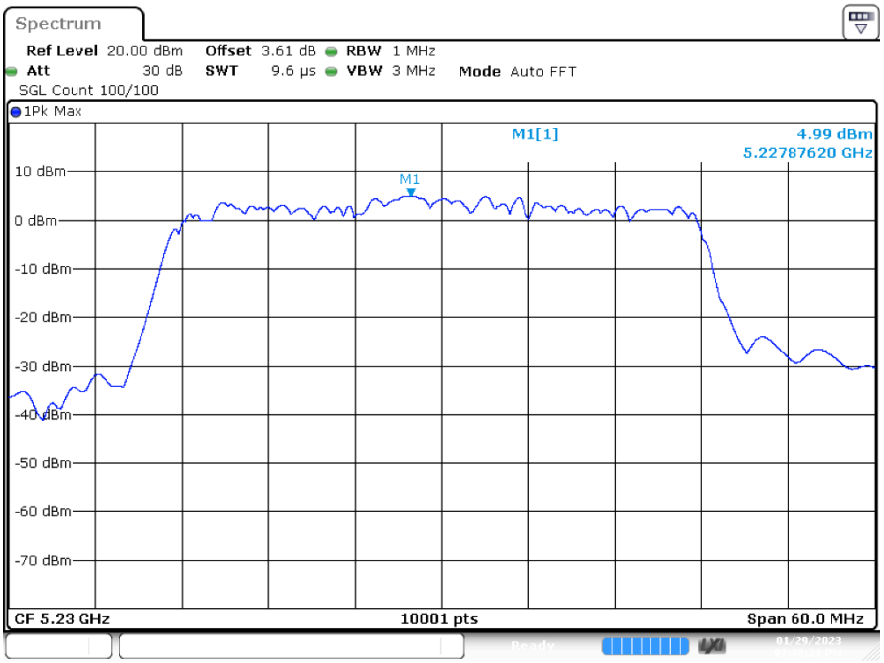
PSD ac20 5240MHz Ant1



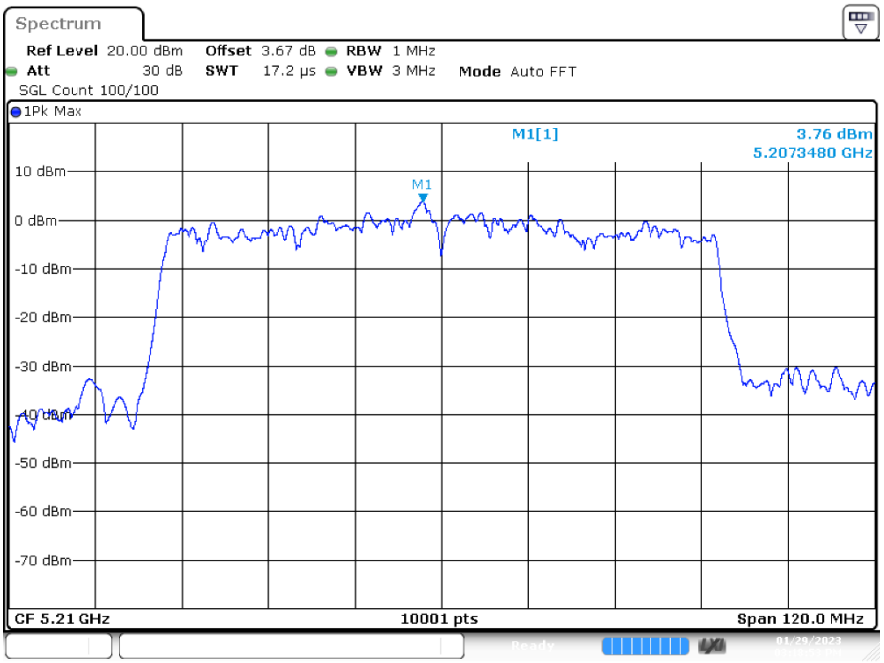
PSDac40 5190MHz Ant1



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	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	a	5180	Ant1	5180	0	0	25	Pass
10C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	a	5180	Ant1	5180	0	0	25	Pass
50C 120V	a	5180	Ant1	5180	0	0	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	5200	Ant1	5200	0	0	25	Pass
-10C 120V	a	5200	Ant1	5199.98	-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	5199.98	-20000	-3.85	25	Pass
40C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant1	5240	0	0	25	Pass
0C 120V	a	5240	Ant1	5240	0	0	25	Pass
10C 120V	a	5240	Ant1	5240	0	0	25	Pass
30C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	5180	Ant1	5180	0	0	25	Pass
-10C 120V	n20	5180	Ant1	5180	0	0	25	Pass

0C 120V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
10C 120V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
30C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	n20	5180	Ant1	5180	0	0	25	Pass
50C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	n20	5200	Ant1	5200	0	0	25	Pass
-20C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	n20	5200	Ant1	5200	0	0	25	Pass
0C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	n20	5200	Ant1	5200	0	0	25	Pass
40C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	5240	Ant1	5240.48	480000	91.6	25	Pass
20C 138V	n20	5240	Ant1	5239.96	-40000	-7.63	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	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant1	5240	0	0	25	Pass
30C 120V	n20	5240	Ant1	5240	0	0	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	n40	5190	Ant1	5190	0	0	25	Pass
20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant1	5189.8	-200000	-38.54	25	Pass
-20C 120V	n40	5190	Ant1	5190	0	0	25	Pass
-10C 120V	n40	5190	Ant1	5190	0	0	25	Pass
0C 120V	n40	5190	Ant1	5190	0	0	25	Pass
10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant1	5190	0	0	25	Pass
40C 120V	n40	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 102V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	n40	5230	Ant1	5230	0	0	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	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant1	5230	0	0	25	Pass
10C 120V	n40	5230	Ant1	5230	0	0	25	Pass
30C 120V	n40	5230	Ant1	5230	0	0	25	Pass

40C 120V	n40	5230	Ant1	5230	0	0	25	Pass
50C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 120V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 138V	ac20	5180	Ant1	5180	0	0	25	Pass
-20C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
-10C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
0C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
30C 120V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
50C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	ac20	5200	Ant1	5200	0	0	25	Pass
-20C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
0C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
10C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
30C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
50C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
20C 102V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 138V	ac20	5240	Ant1	5240	0	0	25	Pass
-20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
10C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
50C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 102V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ac40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
-10C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
40C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
50C 120V	ac40	5190	Ant1	5190	0	0	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	0	0	25	Pass
-20C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
30C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
40C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 120V	ac80	5210	Ant1	5210.24	240000	46.07	25	Pass
20C 138V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant1	5210.16	160000	30.71	25	Pass
10C 120V	ac80	5210	Ant1	5210.32	320000	61.42	25	Pass
30C 120V	ac80	5210	Ant1	5209.68	-320000	-61.42	25	Pass
40C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass

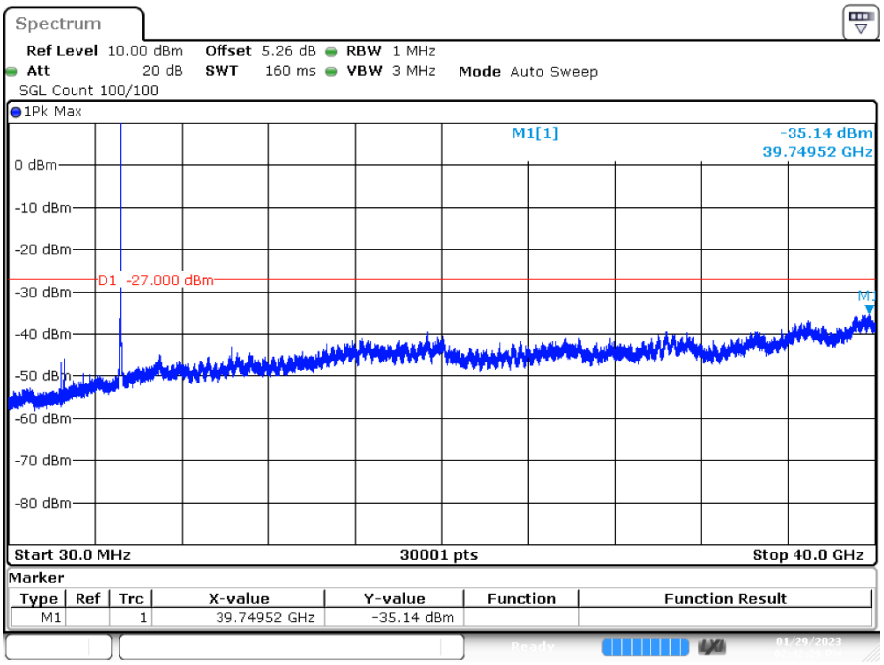
7 Conducted RF Spurious Emission

7.1 Test Result

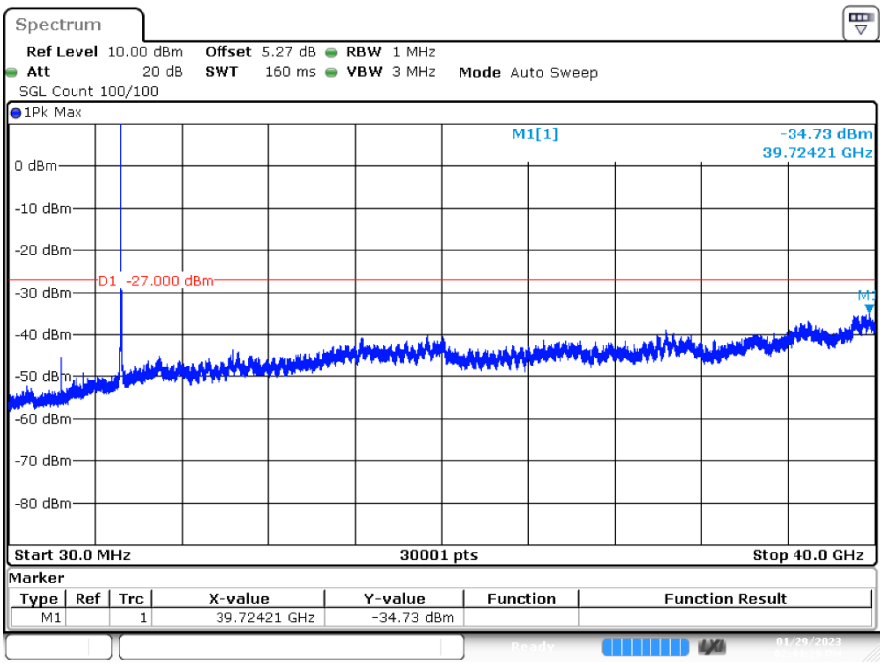
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-35.14	-27	Pass
a	5200	Ant1	-34.73	-27	Pass
a	5240	Ant1	-35	-27	Pass
n20	5180	Ant1	-34.84	-27	Pass
n20	5200	Ant1	-34.83	-27	Pass
n20	5240	Ant1	-34.97	-27	Pass
n40	5190	Ant1	-34.18	-27	Pass
n40	5230	Ant1	-35.06	-27	Pass
ac20	5180	Ant1	-34.35	-27	Pass
ac20	5200	Ant1	-35.36	-27	Pass
ac20	5240	Ant1	-35.06	-27	Pass
ac40	5190	Ant1	-34.76	-27	Pass
ac40	5230	Ant1	-34.55	-27	Pass
ac80	5210	Ant1	-34.83	-27	Pass

7.2 Test Graphs

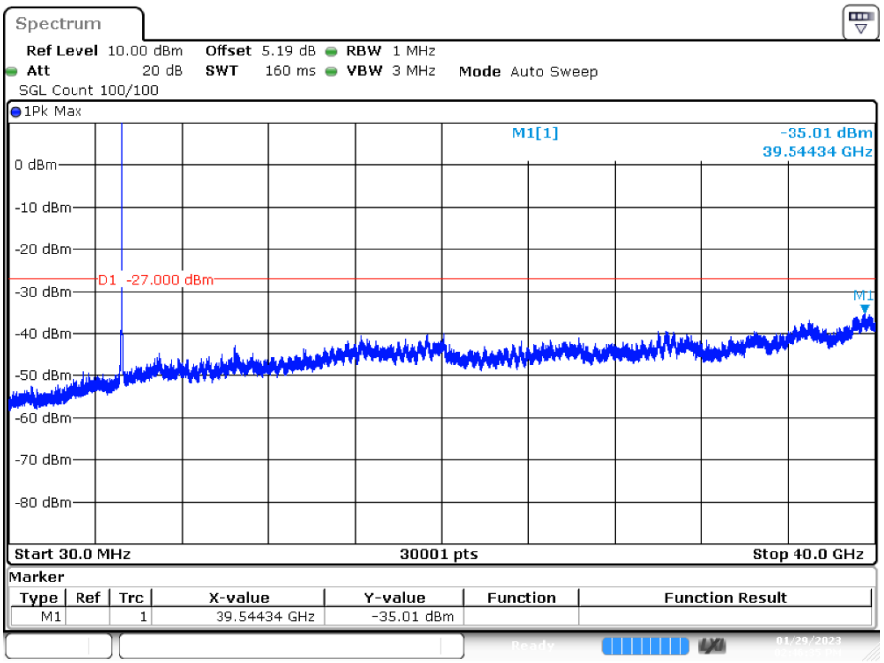
Test Graphs
Tx. Spuriousa 5180MHz Ant1



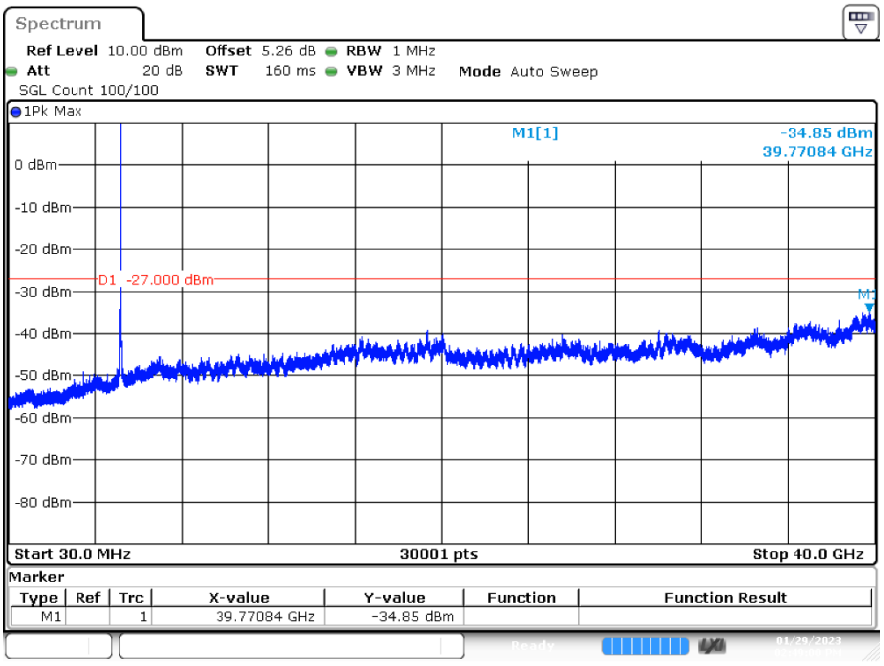
Tx. Spuriousa 5200MHz Ant1



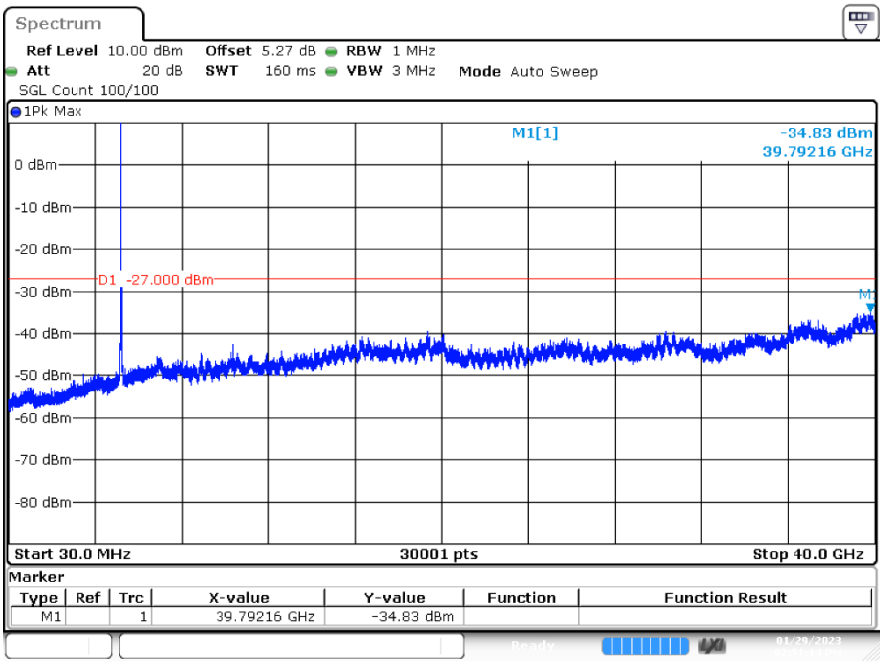
Tx. Spuriousa 5240MHz Ant1



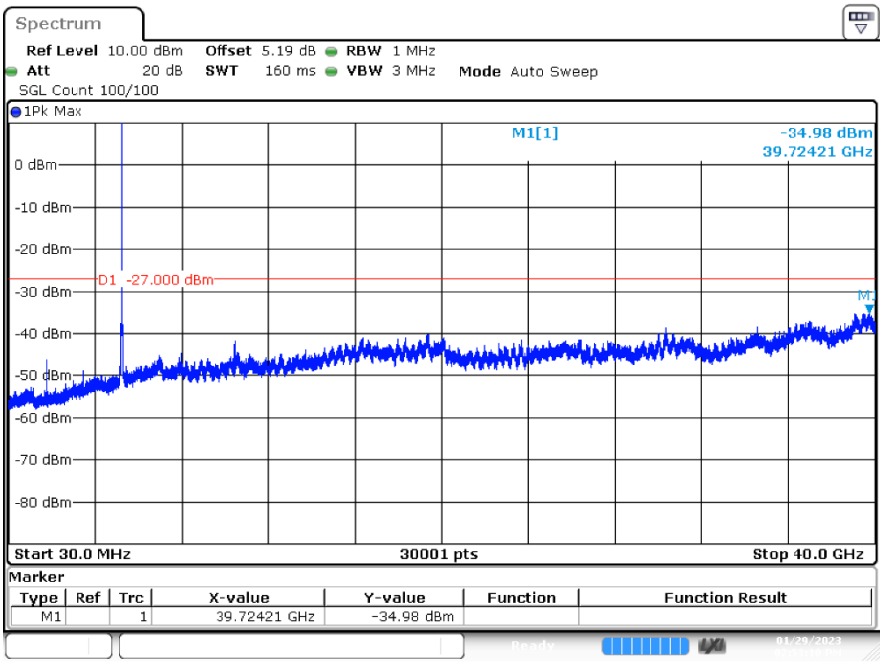
Tx. Spurious n20 5180MHz Ant1



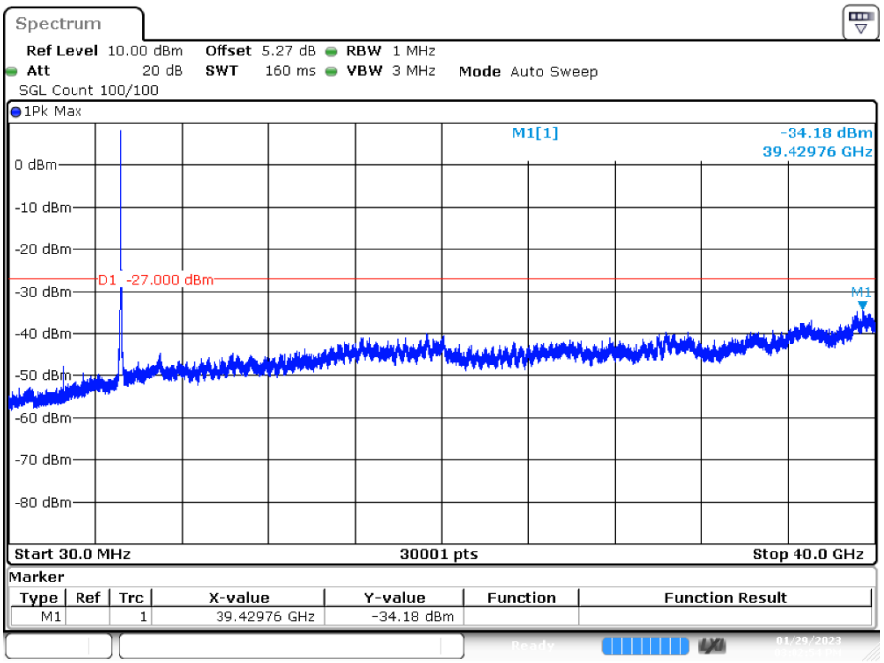
Tx. Spurious n20 5200MHz Ant1



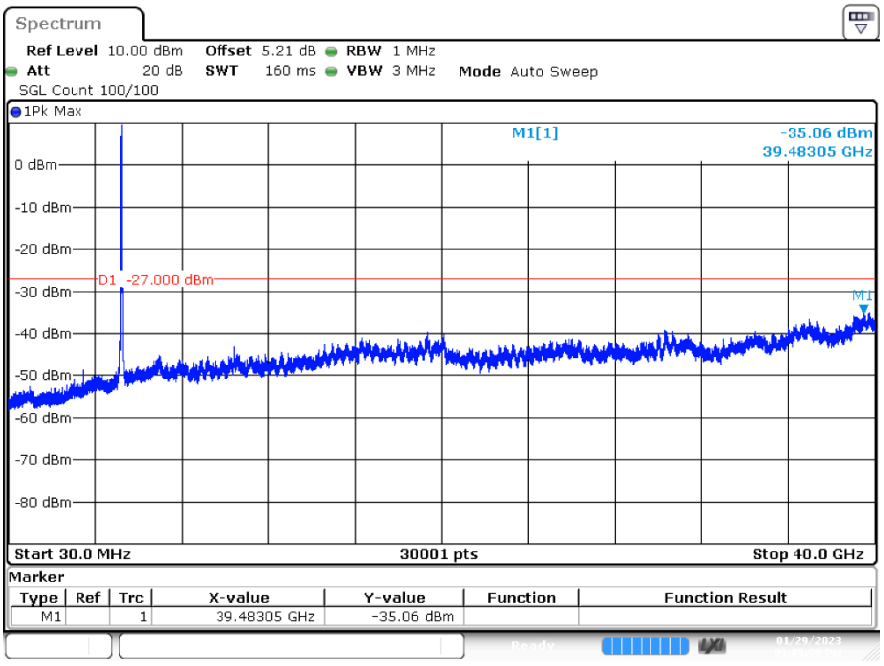
Tx. Spurious n20 5240MHz Ant1



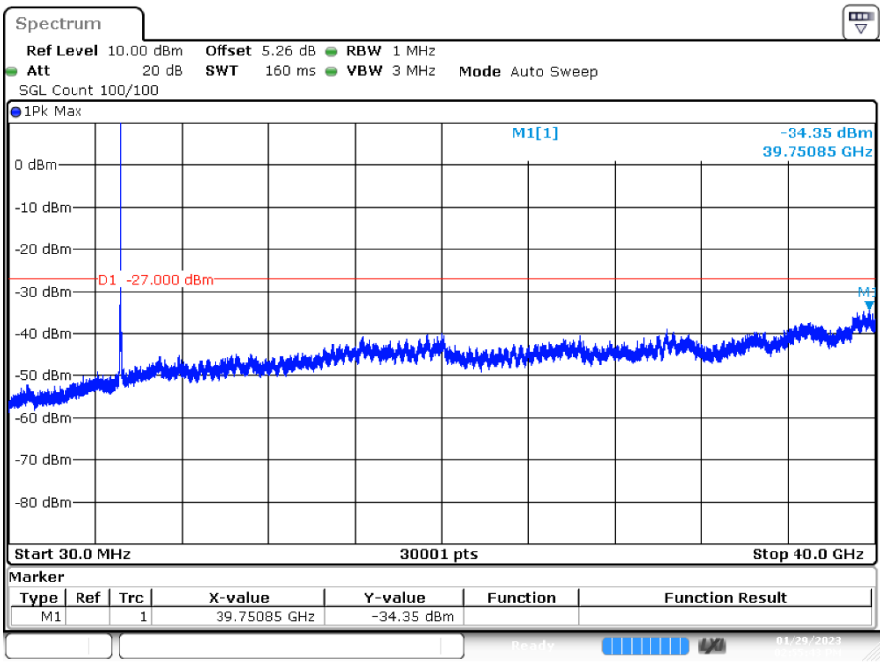
Tx. Spuriousn40 5190MHz Ant1



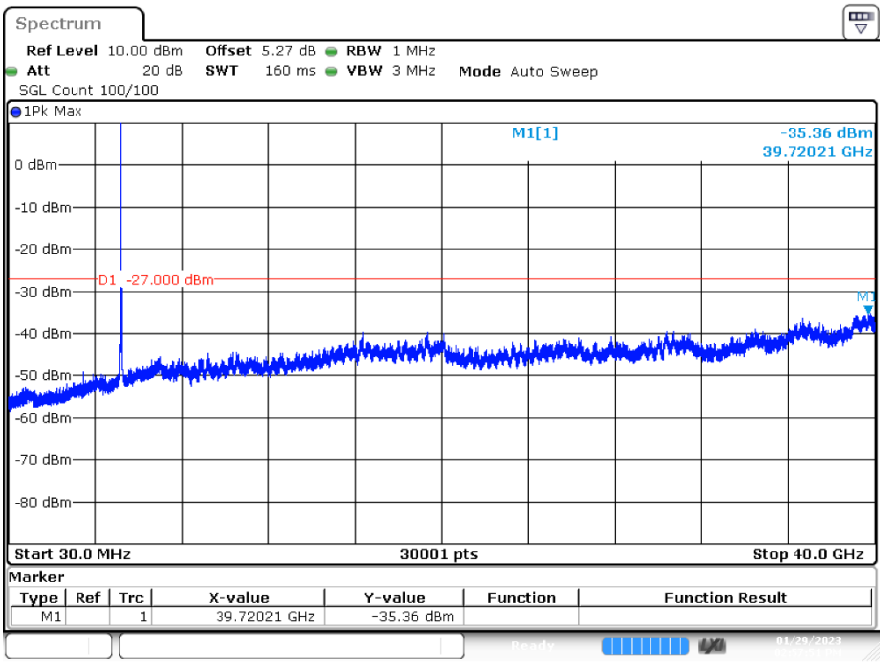
Tx. Spuriousn40 5230MHz Ant1



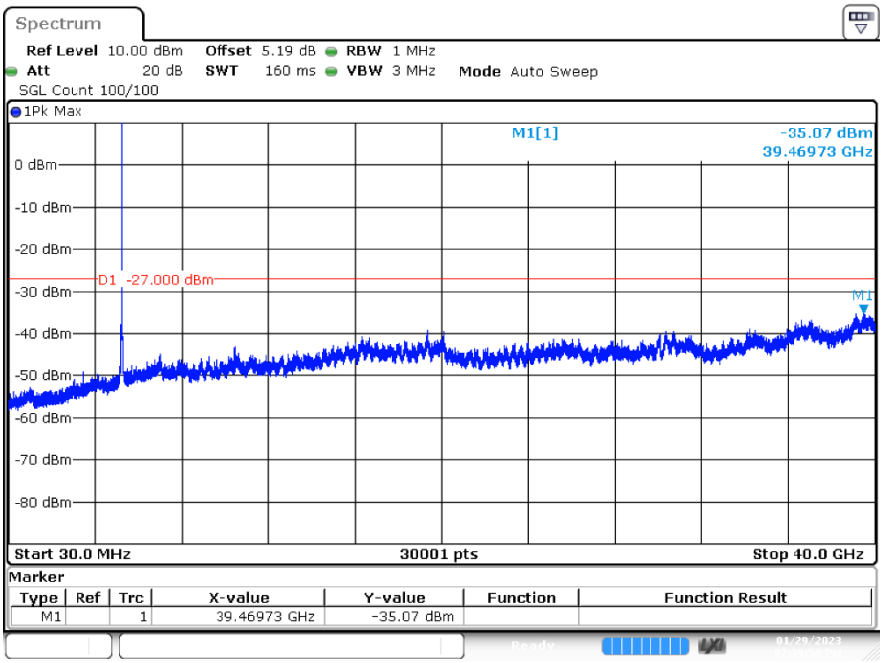
Tx. Spurious ac20 5180MHz Ant1



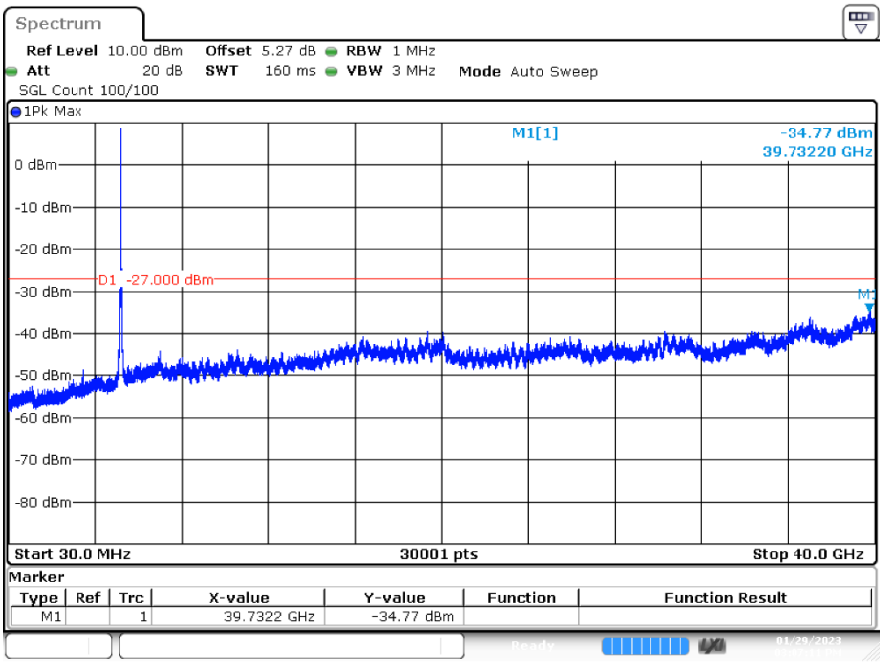
Tx. Spurious ac20 5200MHz Ant1



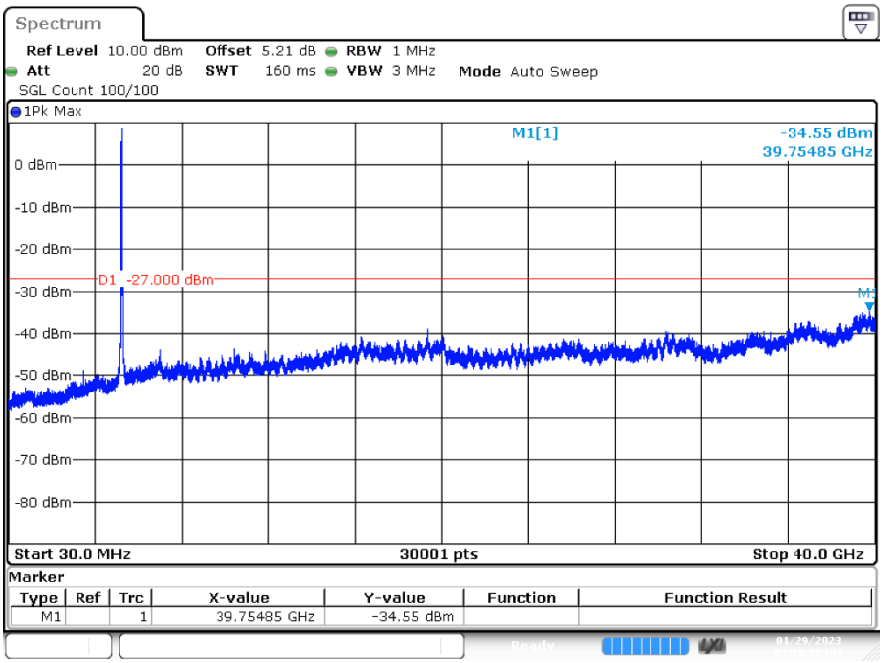
Tx. Spurious ac20 5240MHz Ant1



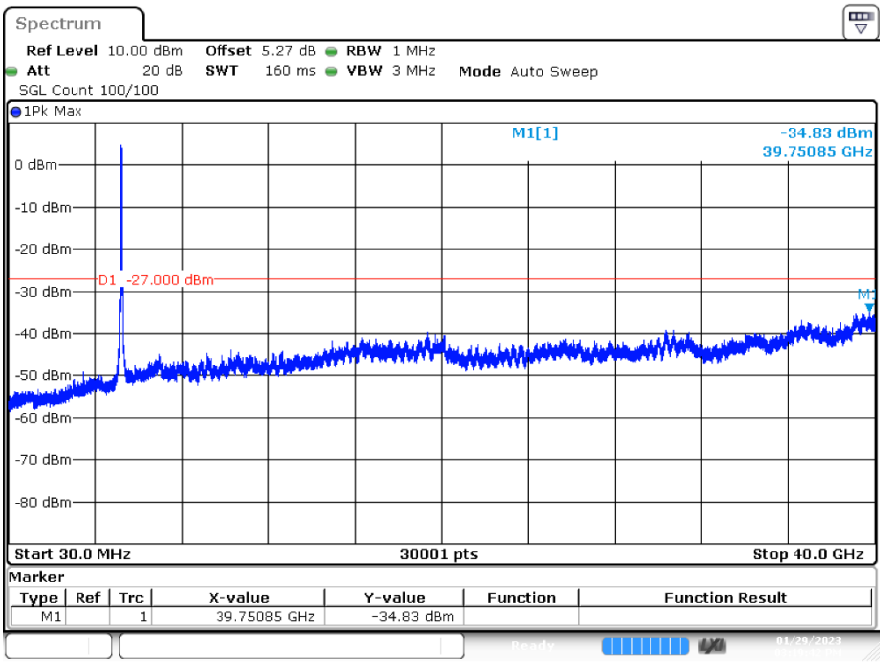
Tx. Spuriousac40 5190MHz Ant1



Tx. Spuriousac40 5230MHz Ant1



Tx. Spuriousac80 5210MHz Ant1



8 Restrict Band

8.1 Test Result

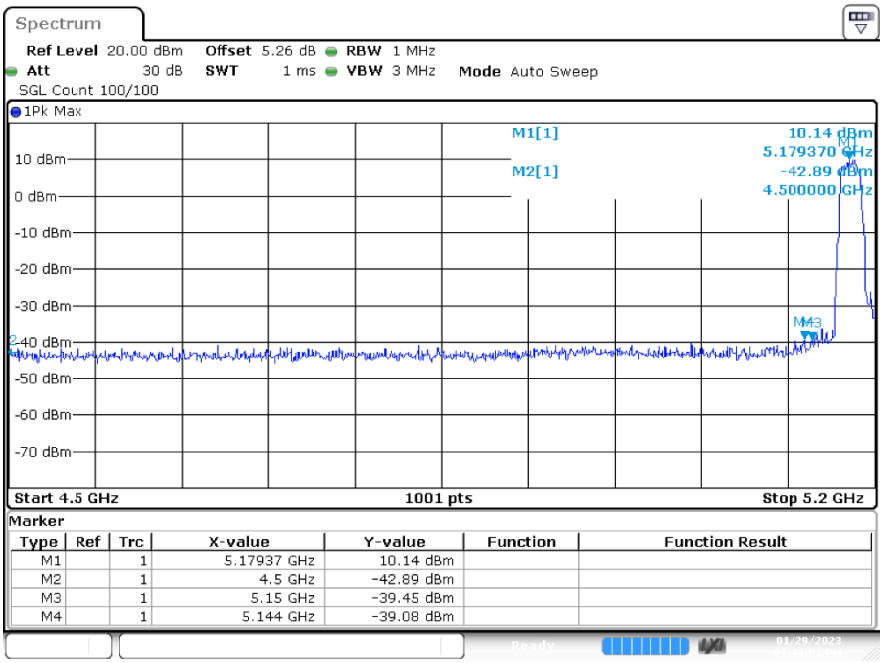
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
a	5180	Ant1	4500	-42.89	2	54.34	Peak	68.2	Pass
a	5180	Ant1	4500	-52.24	2	44.99	Average	54	Pass
a	5180	Ant1	5144	-39.07	2	58.16	Peak	68.2	Pass
a	5180	Ant1	5033.4	-49.08	2	48.15	Average	54	Pass
a	5180	Ant1	5150	-39.45	2	57.78	Peak	68.2	Pass
a	5180	Ant1	5150	-49.08	2	48.15	Average	54	Pass
a	5240	Ant1	5350	-44.58	2	52.65	Peak	68.2	Pass
a	5240	Ant1	5350	-51.3	2	45.93	Average	54	Pass
a	5240	Ant1	5448.72	-39.21	2	58.02	Peak	68.2	Pass
a	5240	Ant1	5447.04	-49.2	2	48.03	Average	54	Pass
a	5240	Ant1	5460	-44.21	2	53.02	Peak	68.2	Pass
a	5240	Ant1	5460	-51.2	2	46.03	Average	54	Pass
n20	5180	Ant1	4500	-43.75	2	53.48	Peak	68.2	Pass
n20	5180	Ant1	4500	-51.54	2	45.69	Average	54	Pass
n20	5180	Ant1	5147.5	-38.53	2	58.7	Peak	68.2	Pass
n20	5180	Ant1	4558.1	-48.59	2	48.64	Average	54	Pass
n20	5180	Ant1	5150	-42.65	2	54.58	Peak	68.2	Pass
n20	5180	Ant1	5150	-50.12	2	47.11	Average	54	Pass
n20	5240	Ant1	5350	-42.38	2	54.85	Peak	68.2	Pass
n20	5240	Ant1	5350	-51.57	2	45.66	Average	54	Pass
n20	5240	Ant1	5447.04	-40.21	2	57.02	Peak	68.2	Pass
n20	5240	Ant1	5449.68	-49.13	2	48.1	Average	54	Pass
n20	5240	Ant1	5460	-42.67	2	54.56	Peak	68.2	Pass
n20	5240	Ant1	5460	-50.71	2	46.52	Average	54	Pass
n40	5190	Ant1	4500	-43.43	2	53.8	Peak	68.2	Pass
n40	5190	Ant1	4500	-51.94	2	45.29	Average	54	Pass
n40	5190	Ant1	5146.05	-35.92	2	61.31	Peak	68.2	Pass
n40	5190	Ant1	5149.7	-48.81	2	48.42	Average	54	Pass
n40	5190	Ant1	5150	-39.29	2	57.94	Peak	68.2	Pass
n40	5190	Ant1	5150	-49.38	2	47.85	Average	54	Pass
n40	5230	Ant1	5350	-44.58	2	52.65	Peak	68.2	Pass
n40	5230	Ant1	5350	-51.13	2	46.1	Average	54	Pass
n40	5230	Ant1	5450.01	-41.04	2	56.19	Peak	68.2	Pass
n40	5230	Ant1	5452.44	-49.1	2	48.13	Average	54	Pass
n40	5230	Ant1	5460	-42.54	2	54.69	Peak	68.2	Pass

n40	5230	Ant1	5460	-50.94	2	46.29	Average	54	Pass
ac20	5180	Ant1	4500	-42.08	2	55.15	Peak	68.2	Pass
ac20	5180	Ant1	4500	-51.83	2	45.4	Average	54	Pass
ac20	5180	Ant1	4975.3	-40.08	2	57.15	Peak	68.2	Pass
ac20	5180	Ant1	5149.6	-48.47	2	48.76	Average	54	Pass
ac20	5180	Ant1	5150	-42.28	2	54.95	Peak	68.2	Pass
ac20	5180	Ant1	5150	-48.64	2	48.59	Average	54	Pass
ac20	5240	Ant1	5350	-45.43	2	51.8	Peak	68.2	Pass
ac20	5240	Ant1	5350	-51	2	46.23	Average	54	Pass
ac20	5240	Ant1	5453.52	-40.78	2	56.45	Peak	68.2	Pass
ac20	5240	Ant1	5448.96	-49.12	2	48.11	Average	54	Pass
ac20	5240	Ant1	5460	-44.41	2	52.82	Peak	68.2	Pass
ac20	5240	Ant1	5460	-51.38	2	45.85	Average	54	Pass
ac40	5190	Ant1	4500	-43.78	2	53.45	Peak	68.2	Pass
ac40	5190	Ant1	4500	-50.68	2	46.55	Average	54	Pass
ac40	5190	Ant1	5128.53	-37.7	2	59.53	Peak	68.2	Pass
ac40	5190	Ant1	5136.56	-48.16	2	49.07	Average	54	Pass
ac40	5190	Ant1	5150	-40.96	2	56.27	Peak	68.2	Pass
ac40	5190	Ant1	5150	-49.08	2	48.15	Average	54	Pass
ac40	5230	Ant1	5350	-44.57	2	52.66	Peak	68.2	Pass
ac40	5230	Ant1	5350	-50.57	2	46.66	Average	54	Pass
ac40	5230	Ant1	5453.25	-39.53	2	57.7	Peak	68.2	Pass
ac40	5230	Ant1	5447.31	-47.7	2	49.53	Average	54	Pass
ac40	5230	Ant1	5460	-43.89	2	53.34	Peak	68.2	Pass
ac40	5230	Ant1	5460	-50.33	2	46.9	Average	54	Pass
ac80	5210	Ant1	4500	-44.57	2	52.66	Peak	68.2	Pass
ac80	5210	Ant1	4500	-51.14	2	46.09	Average	54	Pass
ac80	5210	Ant1	5143.85	-38.19	2	59.04	Peak	68.2	Pass
ac80	5210	Ant1	5137.53	-47.14	2	50.09	Average	54	Pass
ac80	5210	Ant1	5150	-38.76	2	58.47	Peak	68.2	Pass
ac80	5210	Ant1	5150	-47.5	2	49.73	Average	54	Pass

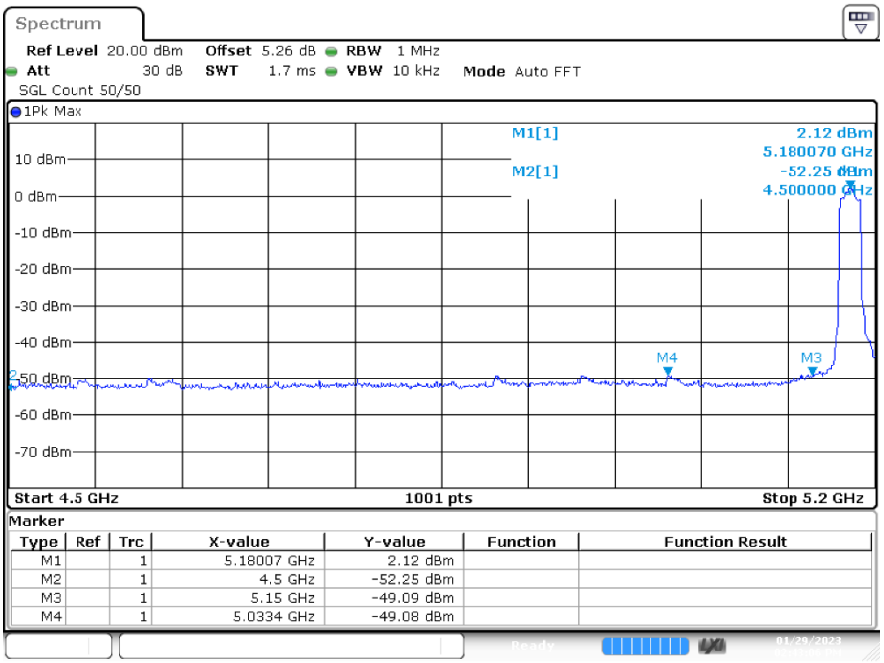
8.2 Test Graphs

Test Graphs

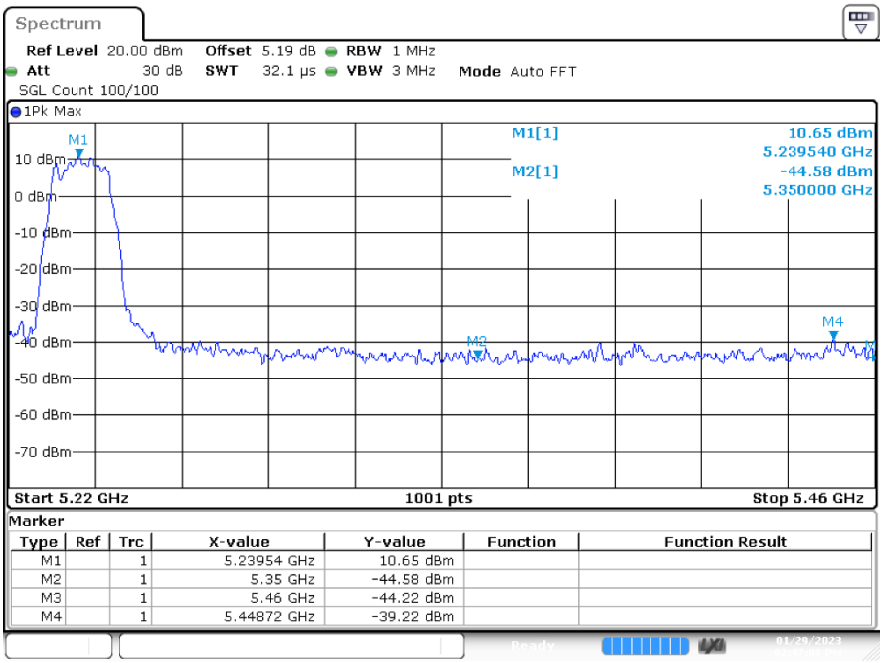
Restrict Banda 5180MHz Ant1 Peak



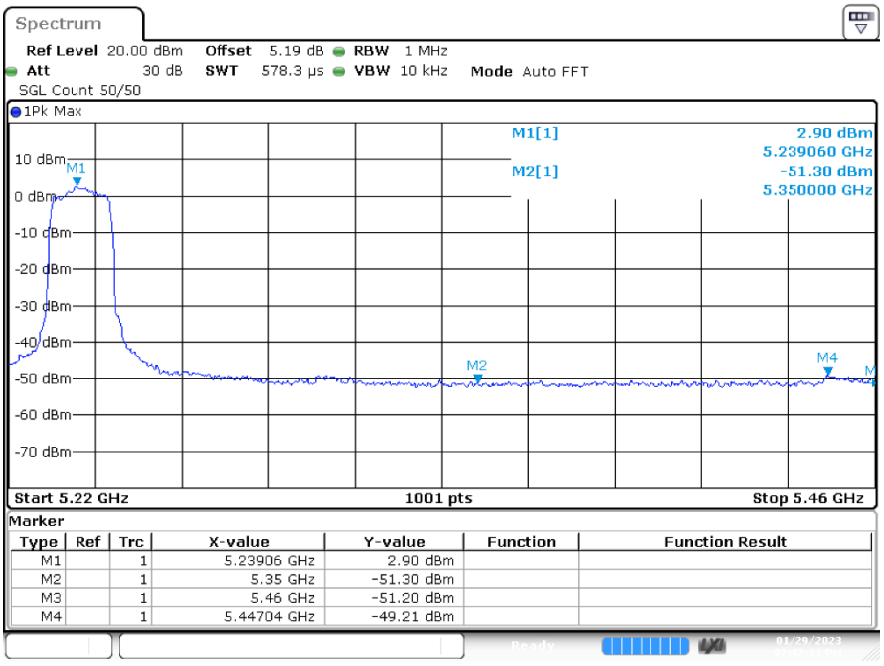
Restrict Band a 5180MHz Ant1 Average



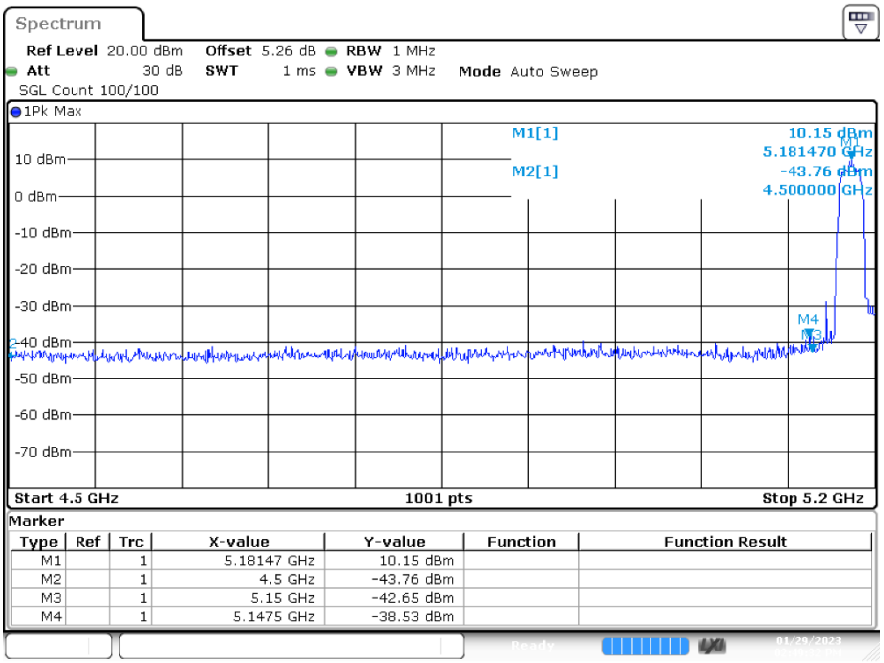
Restrict Banda 5240MHz Ant1 Peak



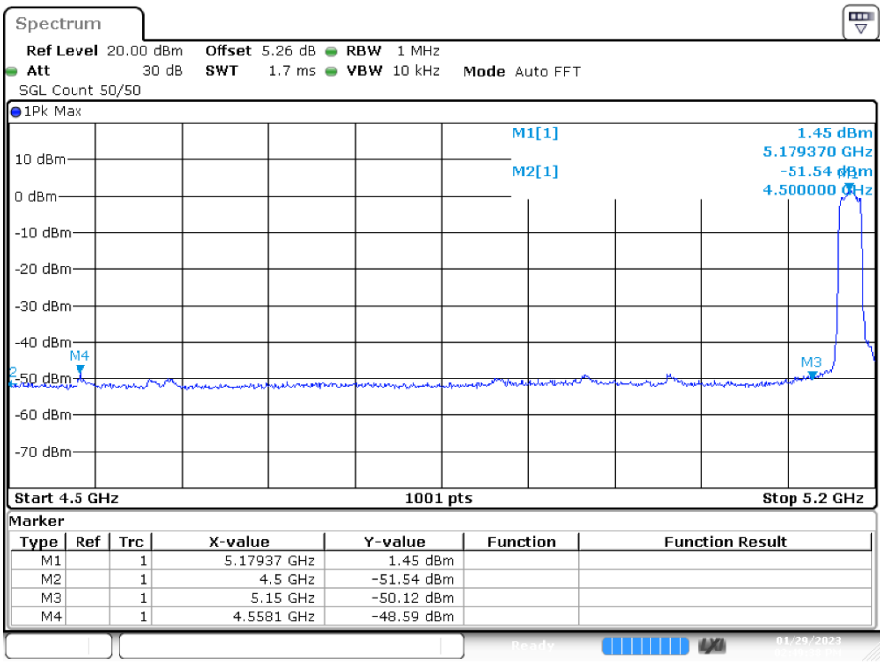
Restrict Band a 5240MHz Ant1 Average



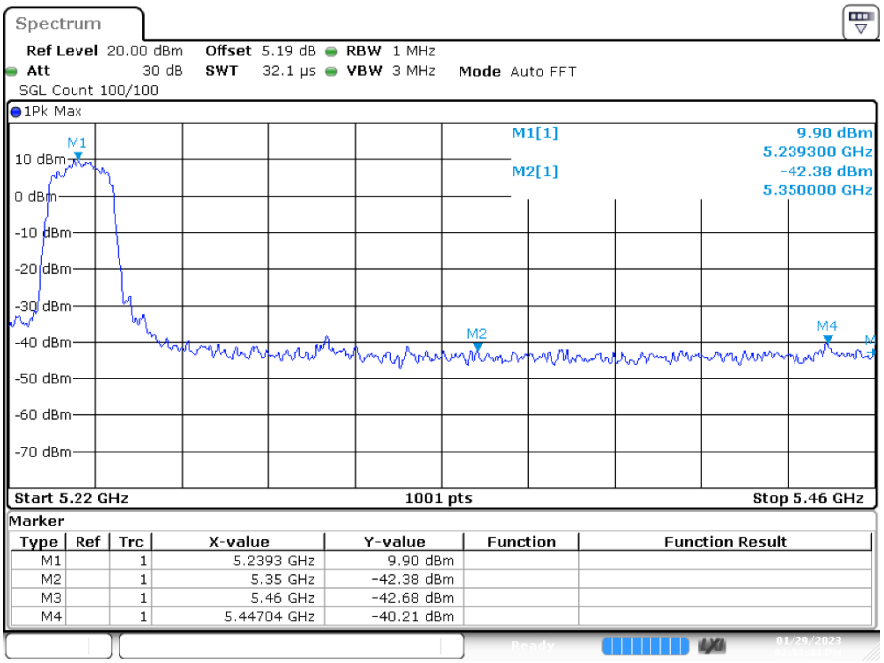
Restrict Bandn20 5180MHz Ant1 Peak



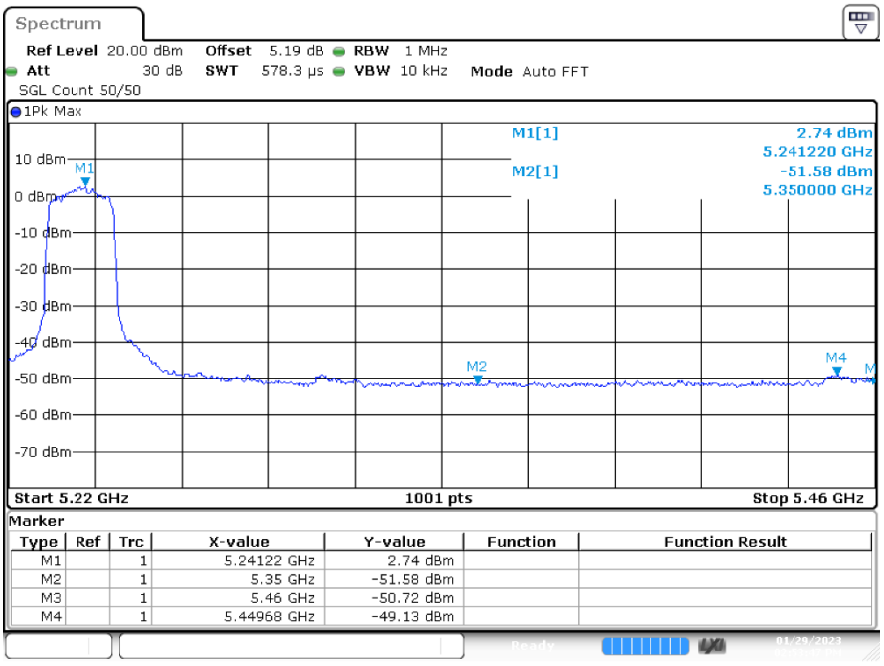
Restrict Band n20 5180MHz Ant1 Average



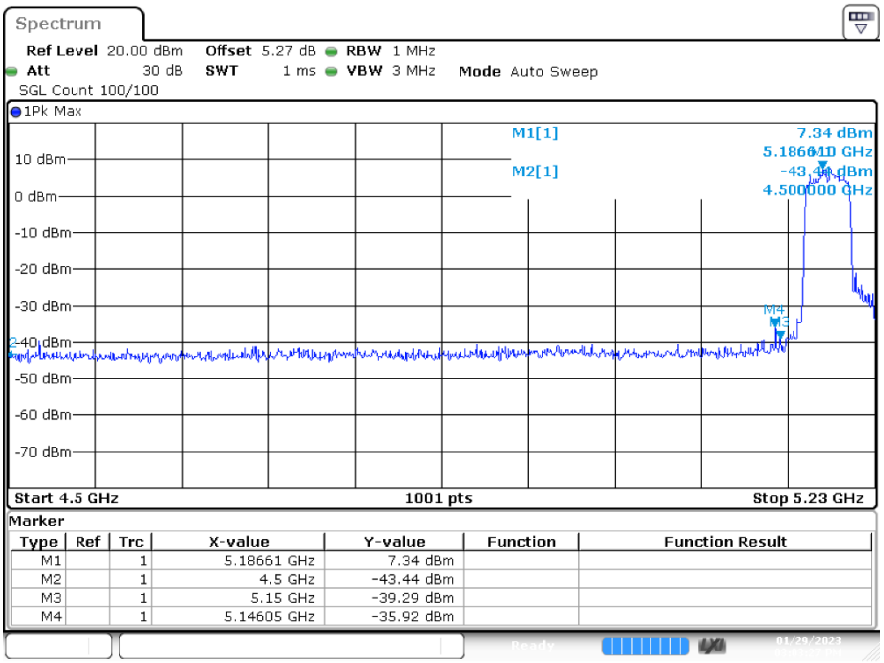
Restrict Bandn20 5240MHz Ant1 Peak



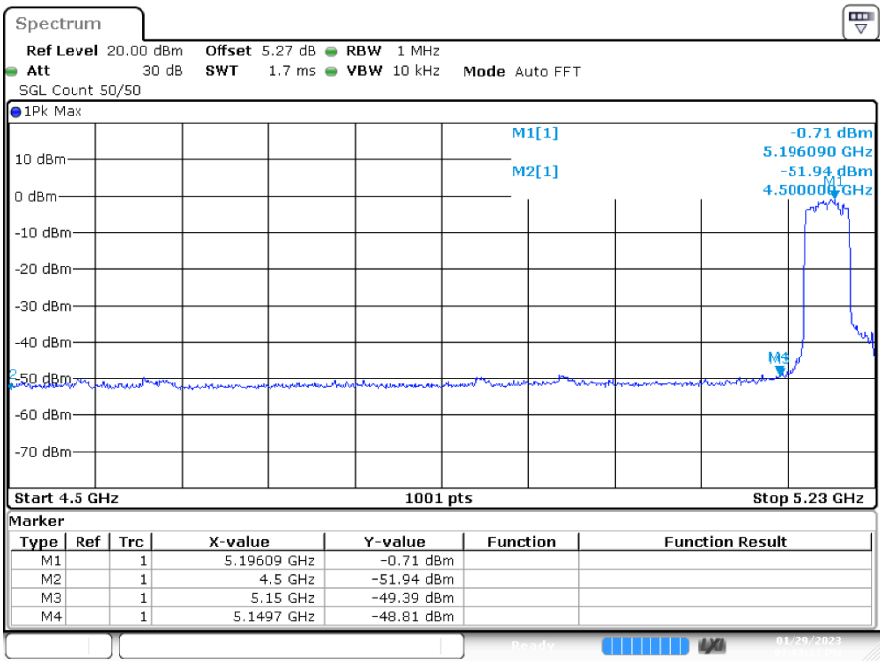
Restrict Band n20 5240MHz Ant1 Average



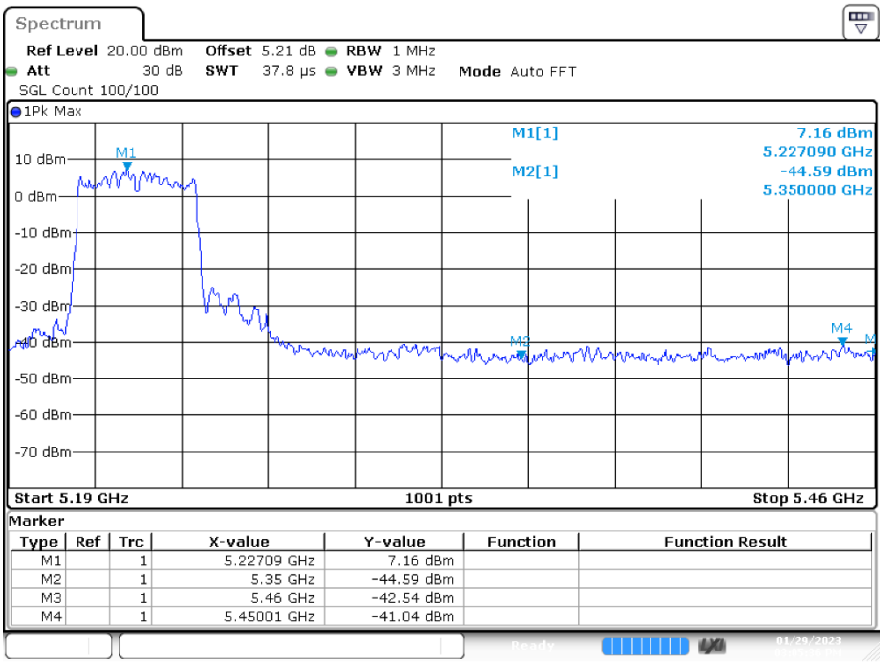
Restrict Bandn40 5190MHz Ant1 Peak



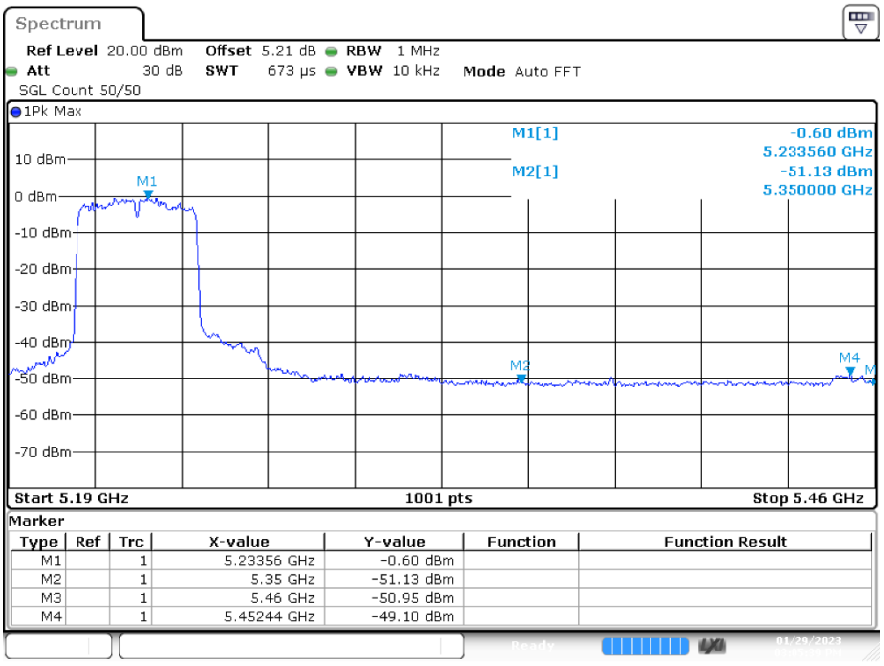
Restrict Band n40 5190MHz Ant1 Average



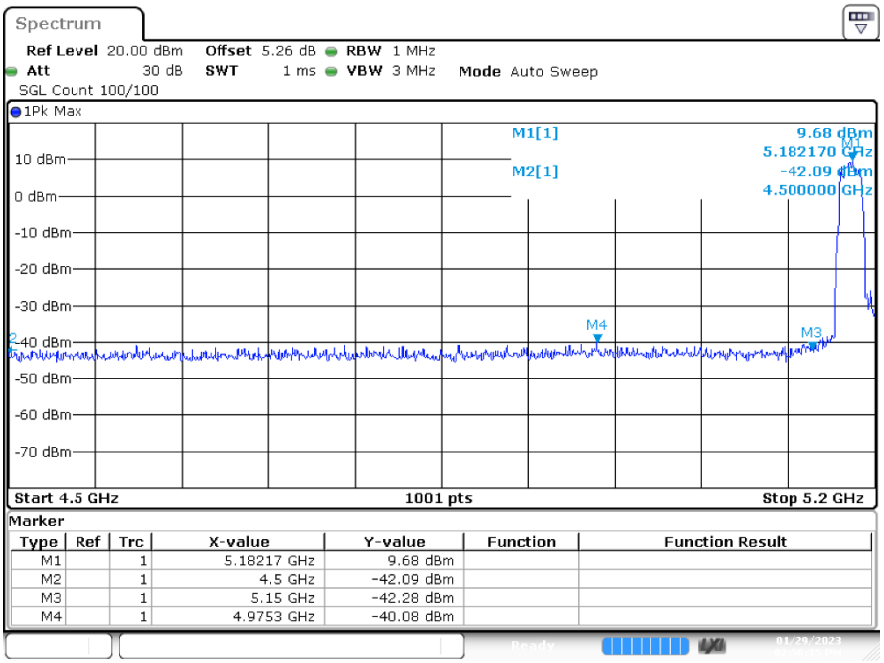
Restrict Bandn40 5230MHz Ant1 Peak



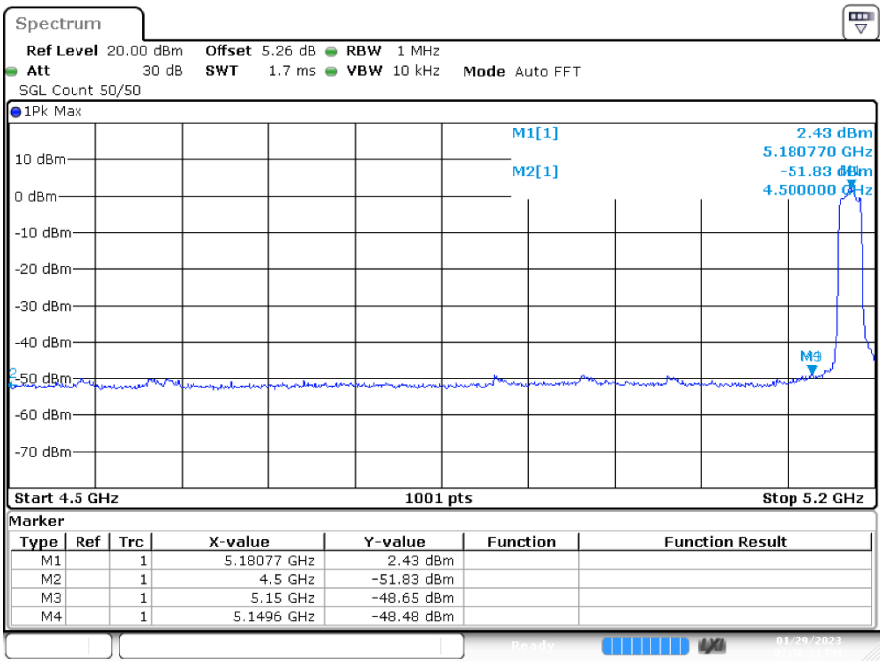
Restrict Band n40 5230MHz Ant1 Average



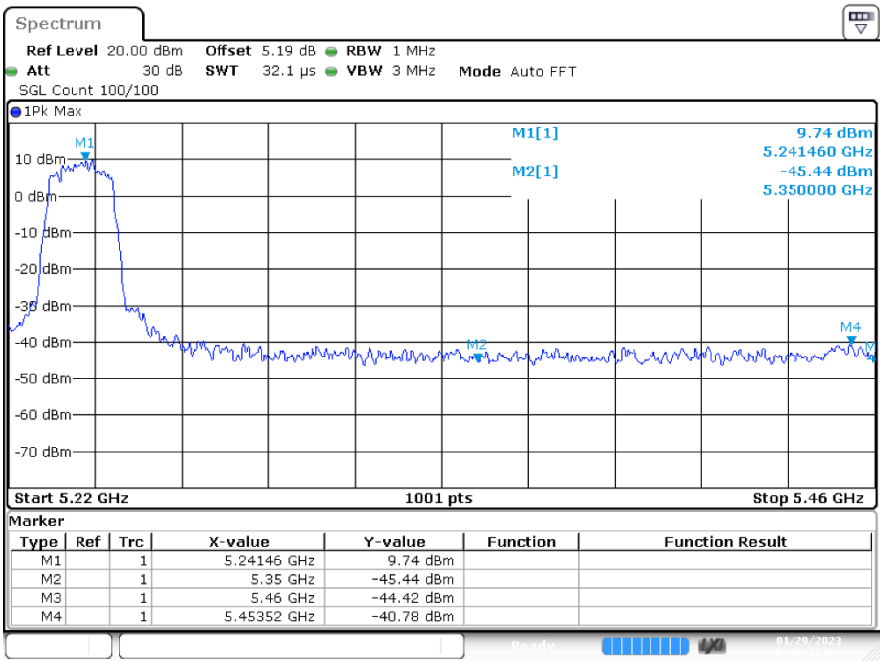
Restrict Bandac20 5180MHz Ant1 Peak



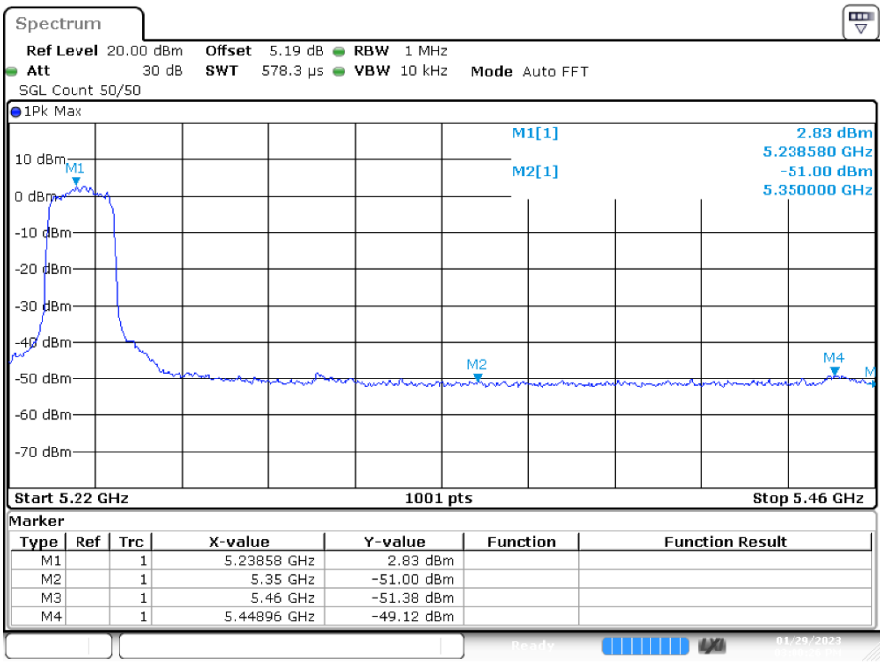
Restrict Band ac20 5180MHz Ant1 Average



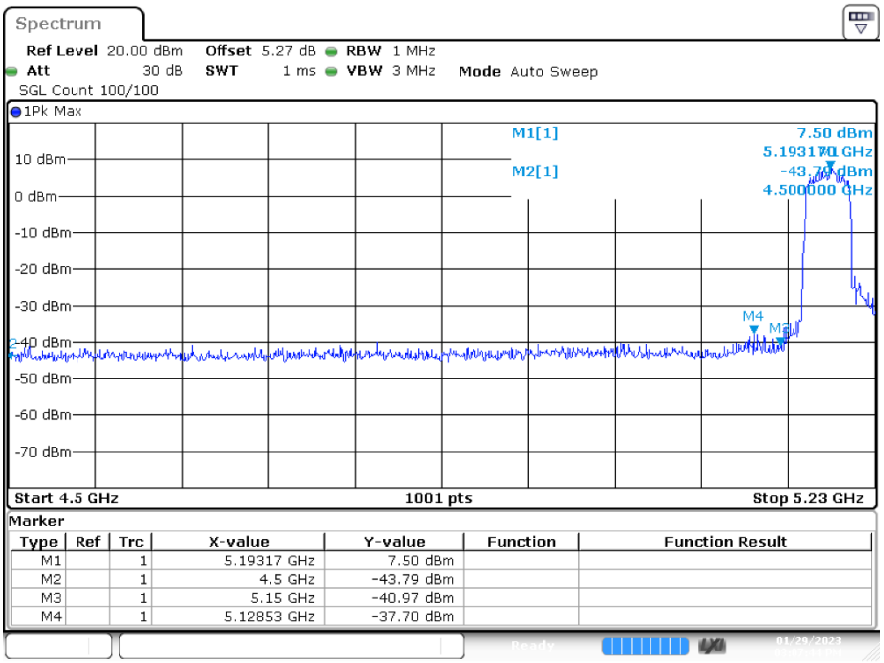
Restrict Bandac20 5240MHz Ant1 Peak



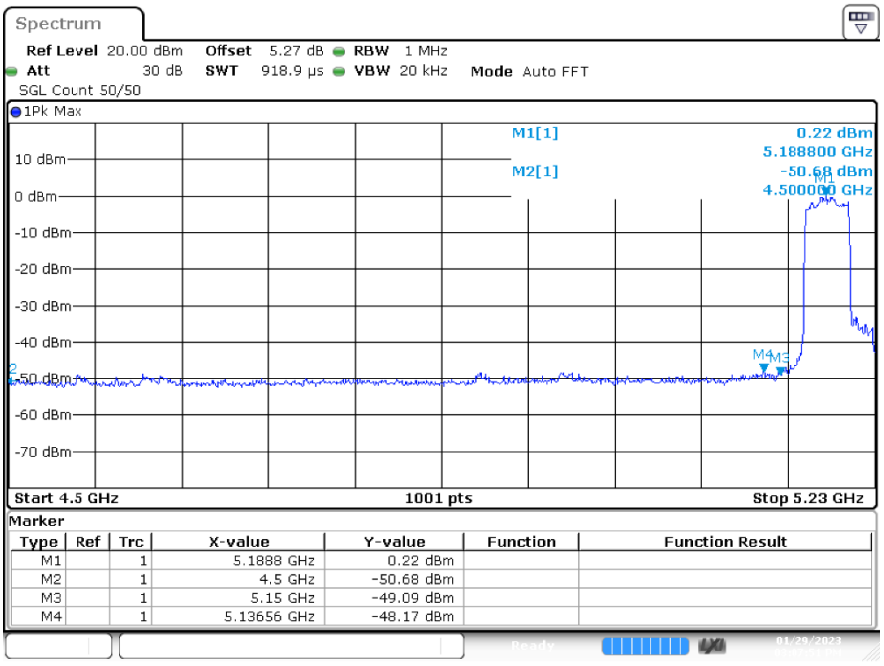
Restrict Band ac20 5240MHz Ant1 Average



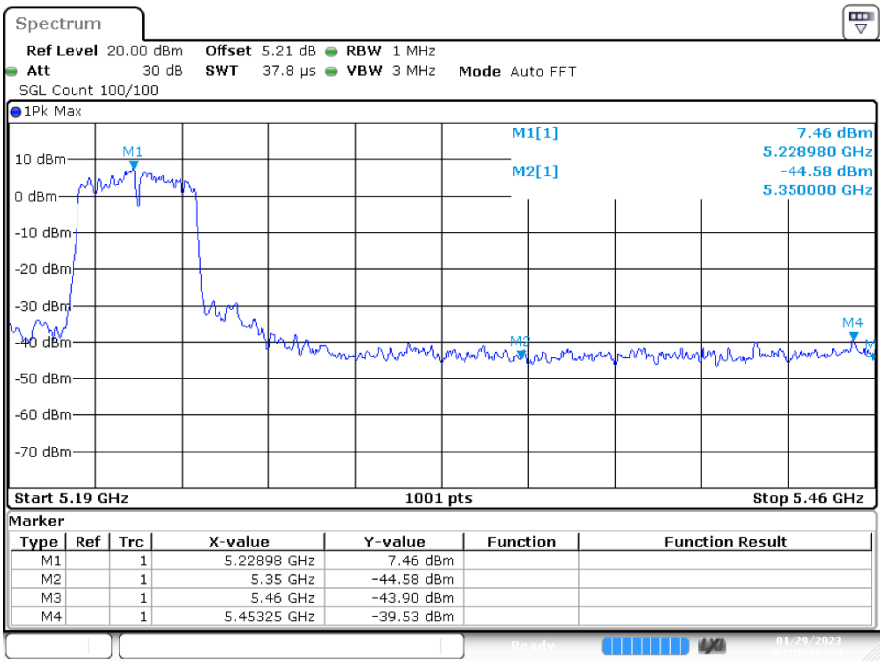
Restrict Bandac40 5190MHz Ant1 Peak



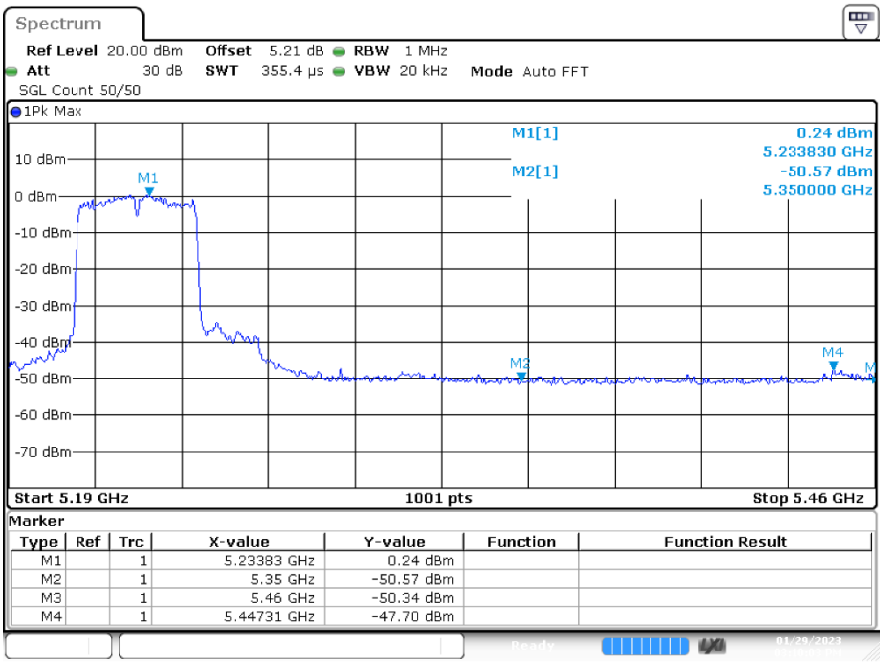
Restrict Band ac40 5190MHz Ant1 Average



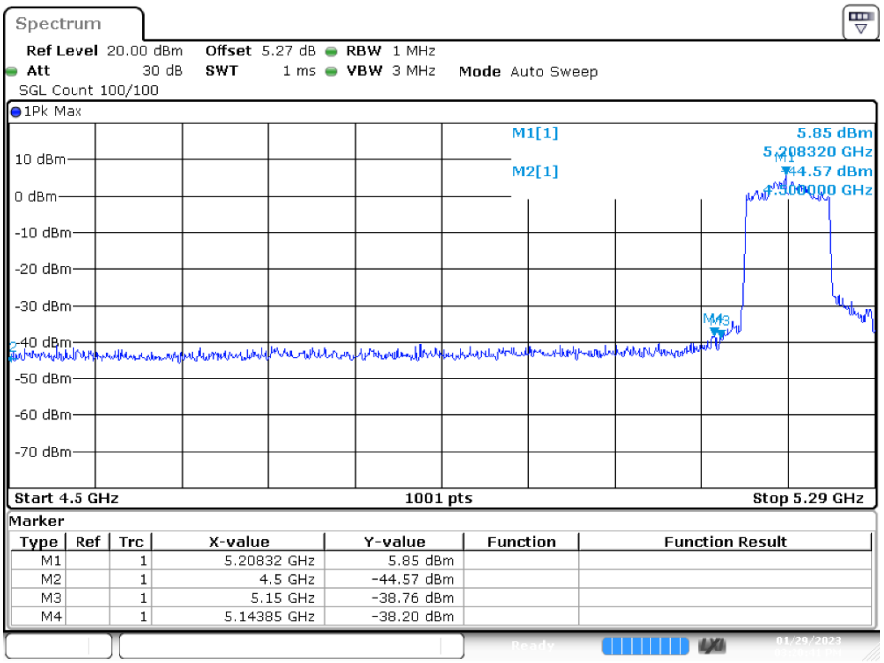
Restrict Bandac40 5230MHz Ant1 Peak



Restrict Band ac40 5230MHz Ant1 Average



Restrict Bandac80 5210MHz Ant1 Peak



Restrict Band ac80 5210MHz Ant1 Average