



Appendix E

RF Test Data for 5.8GWIFI(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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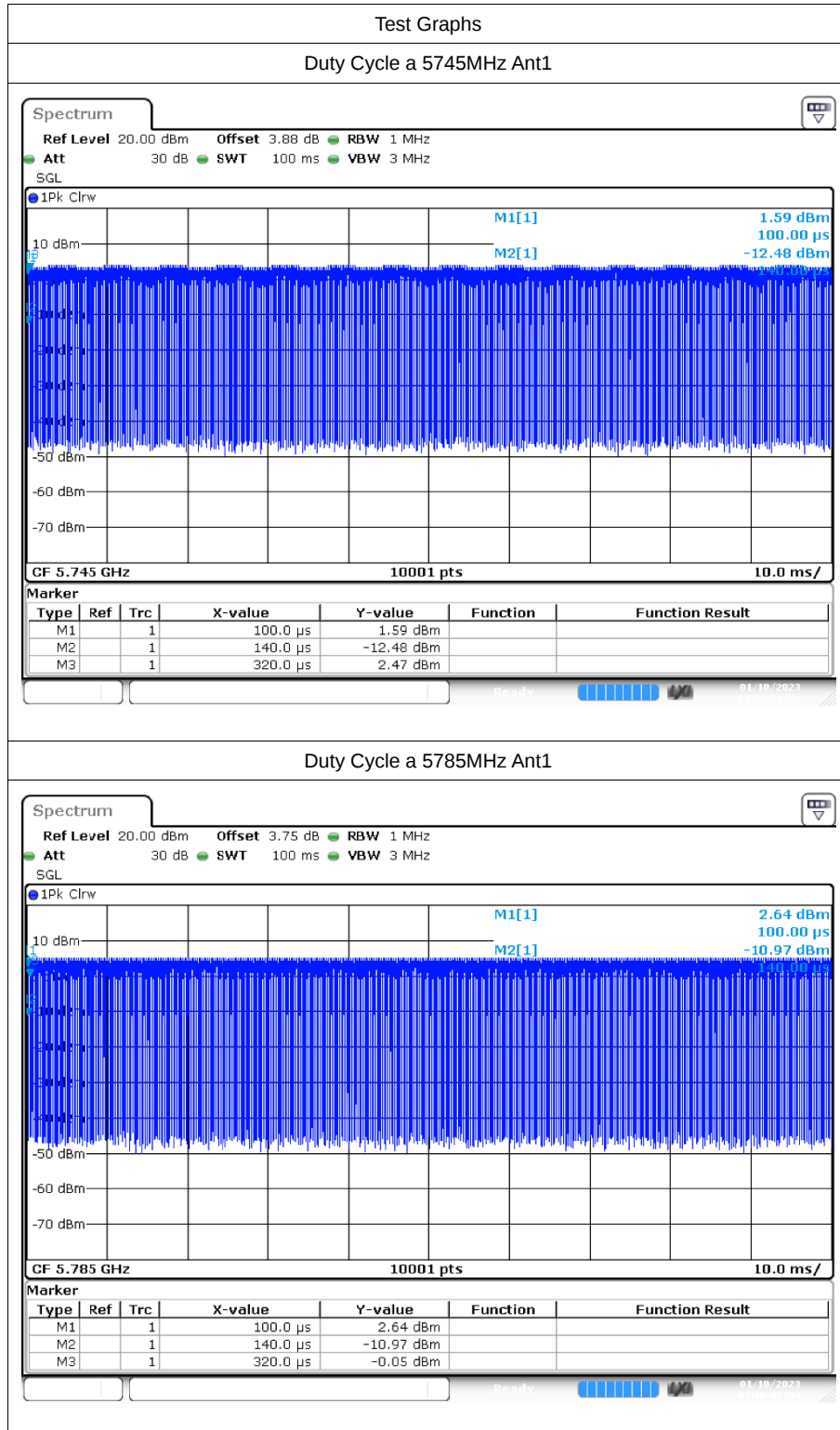
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	85.99	0.66	5.56
a	5785	Ant1	86.06	0.65	5.56
a	5825	Ant1	86.04	0.65	5.56
n20	5745	Ant1	85.2	0.7	6.25
n20	5785	Ant1	85.29	0.69	5.88
n20	5825	Ant1	85.31	0.69	5.88
n40	5755	Ant1	78.97	1.03	9.09
n40	5795	Ant1	78.98	1.02	10
ac20	5745	Ant1	85.51	0.68	5.88
ac20	5785	Ant1	85.57	0.68	5.88
ac20	5825	Ant1	85.55	0.68	5.88
ac40	5755	Ant1	77.68	1.1	10
ac40	5795	Ant1	77.77	1.09	10
ac80	5775	Ant1	63.96	1.94	16.67

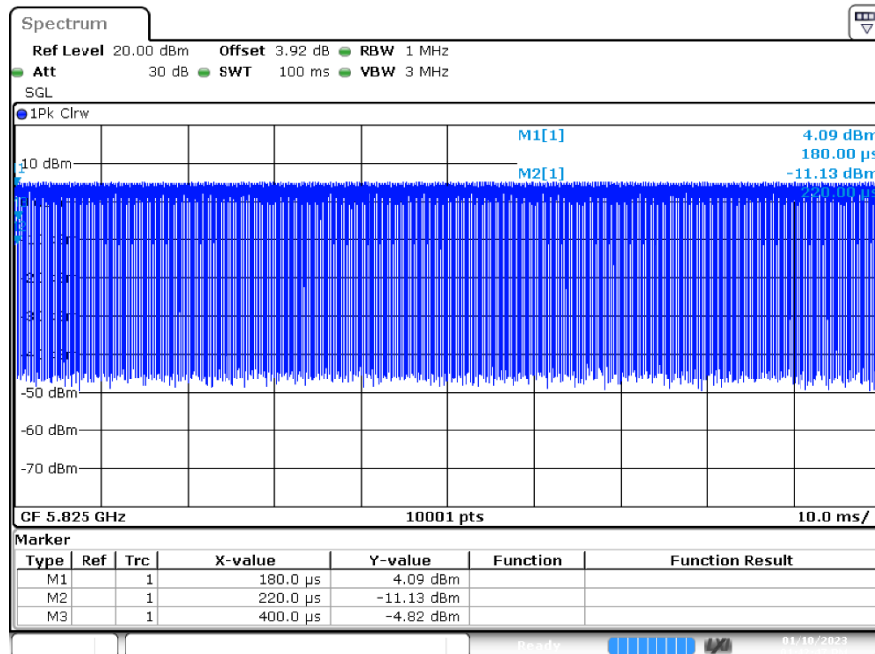


1.2 Test Graphs

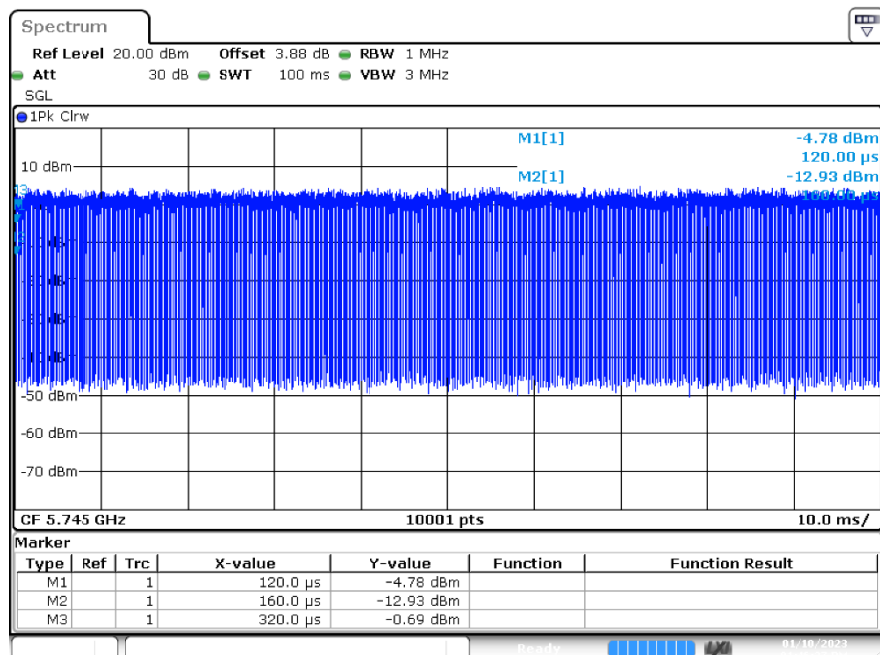


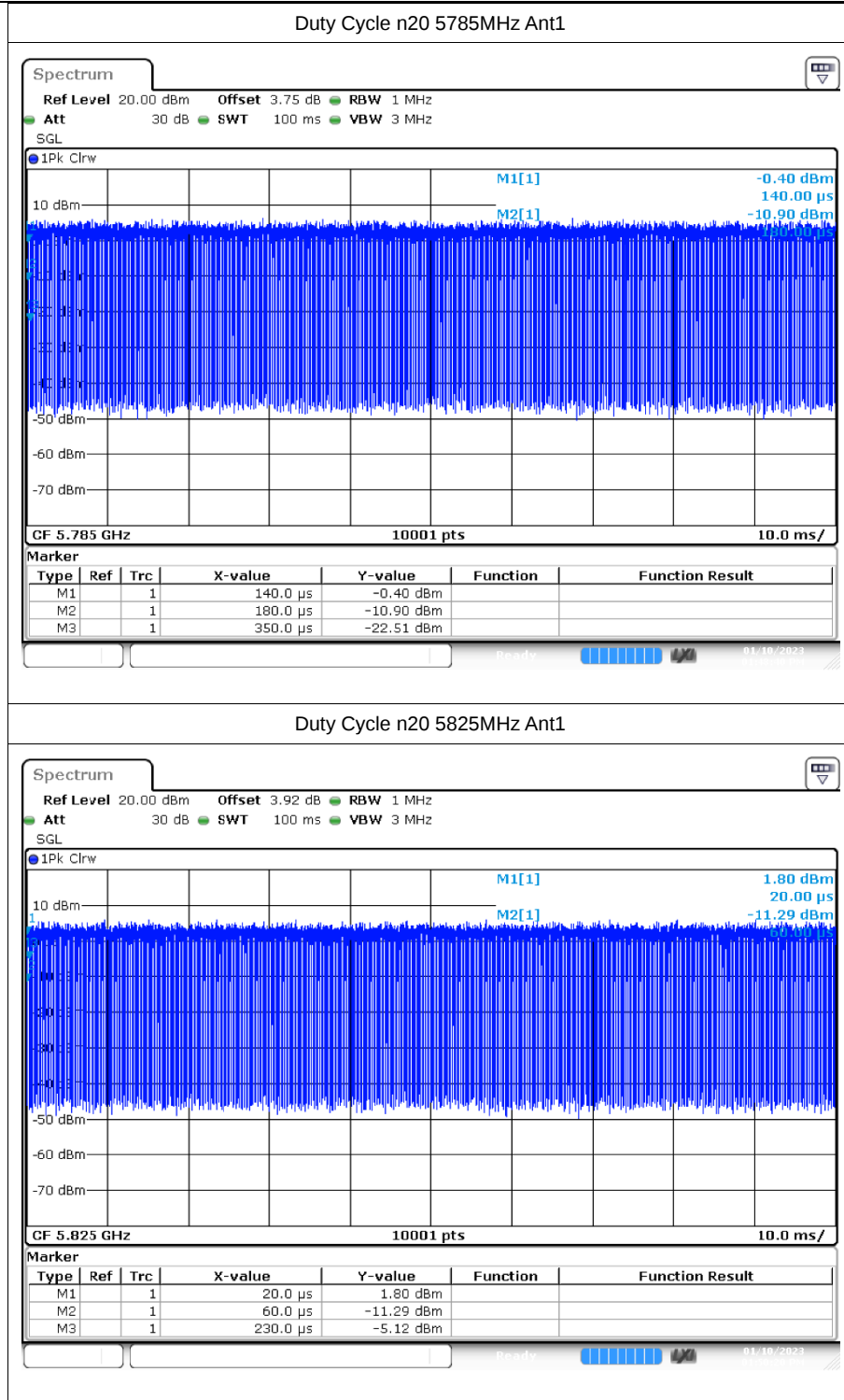


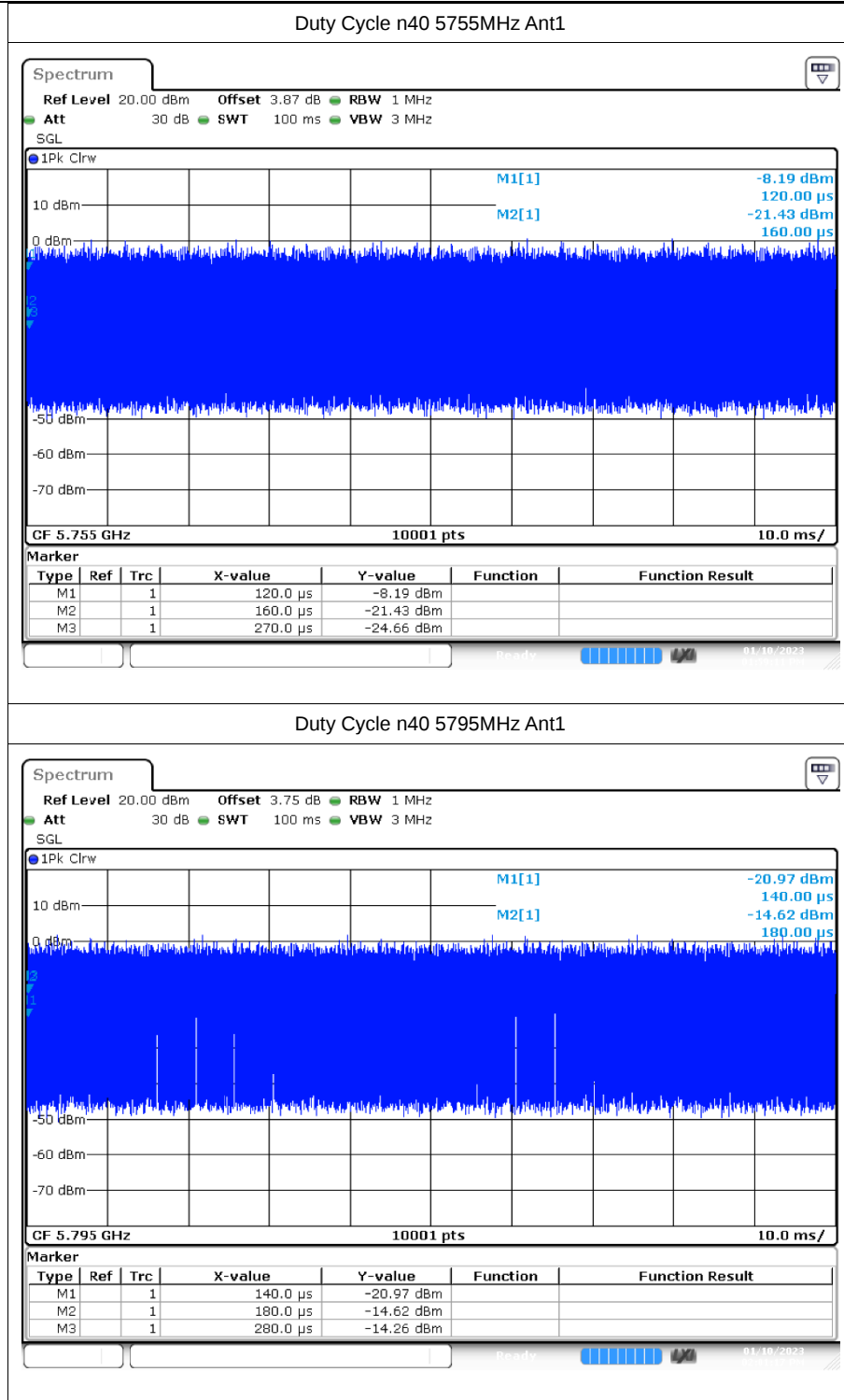
Duty Cycle a 5825MHz Ant1



Duty Cycle n20 5745MHz Ant1

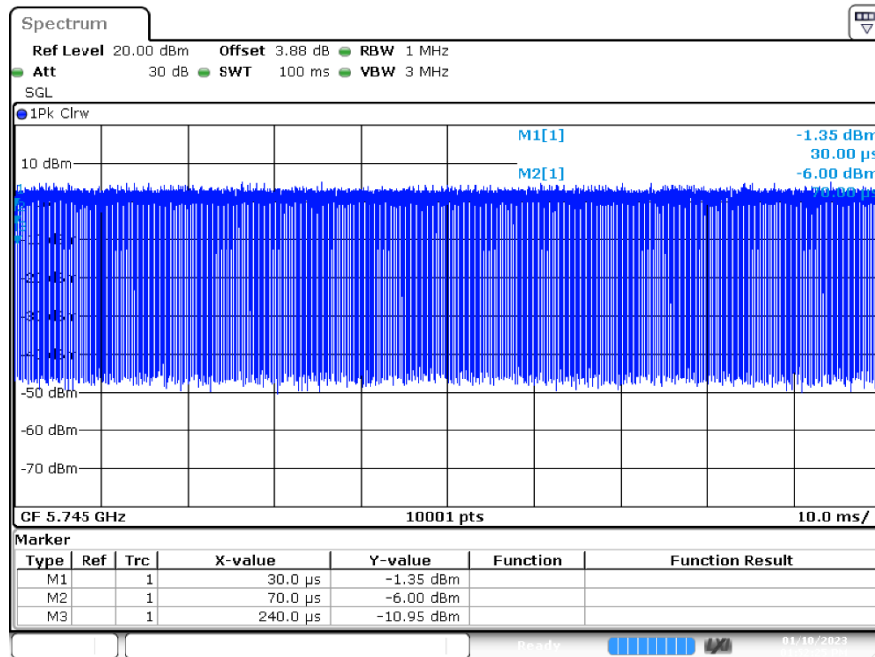




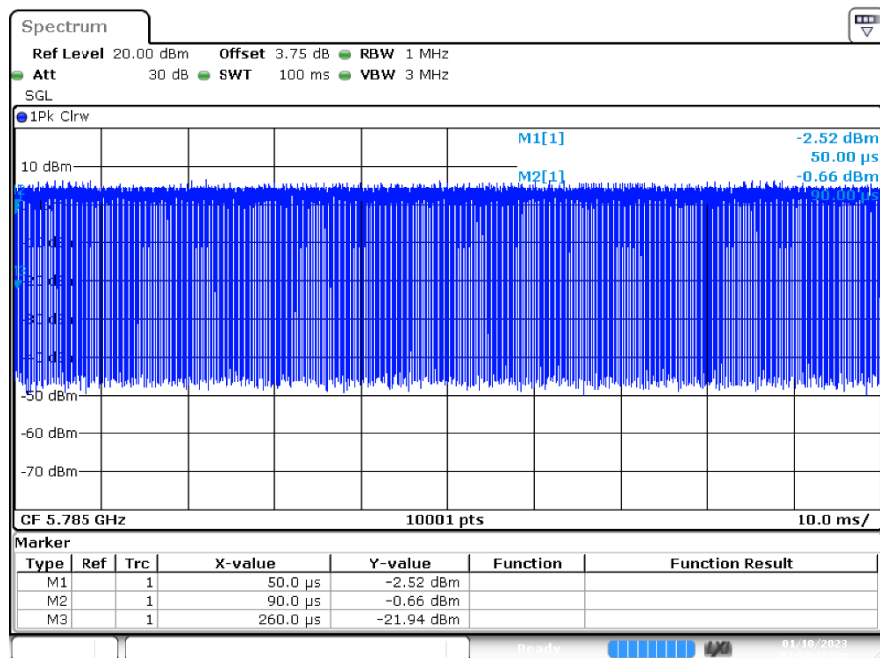




Duty Cycle ac20 5745MHz Ant1

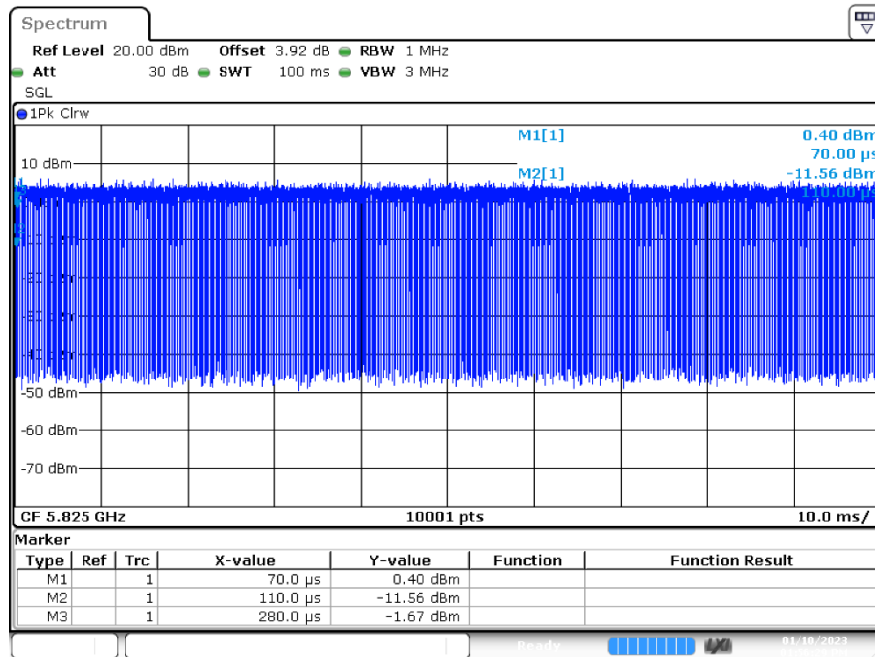


Duty Cycle ac20 5785MHz Ant1

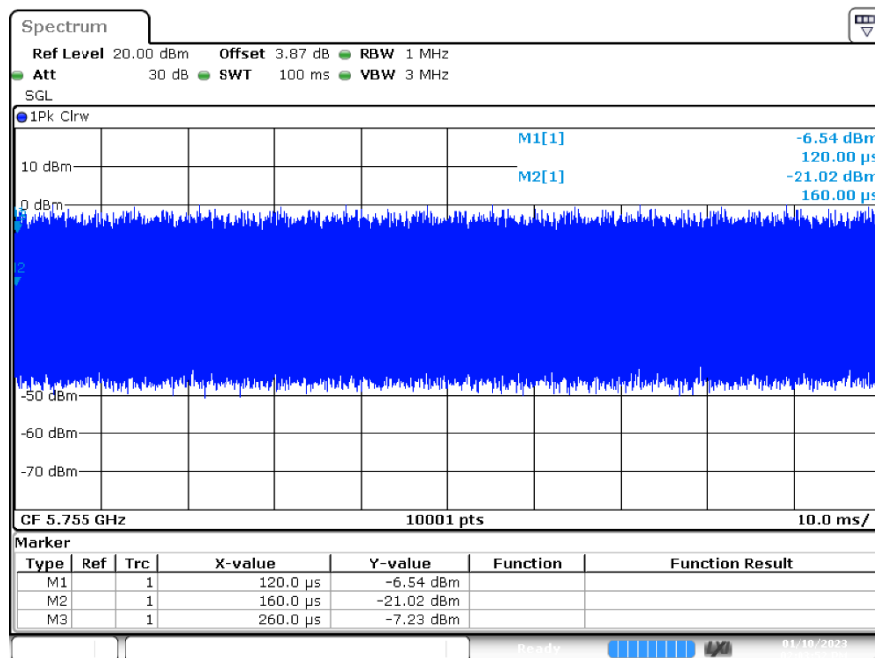


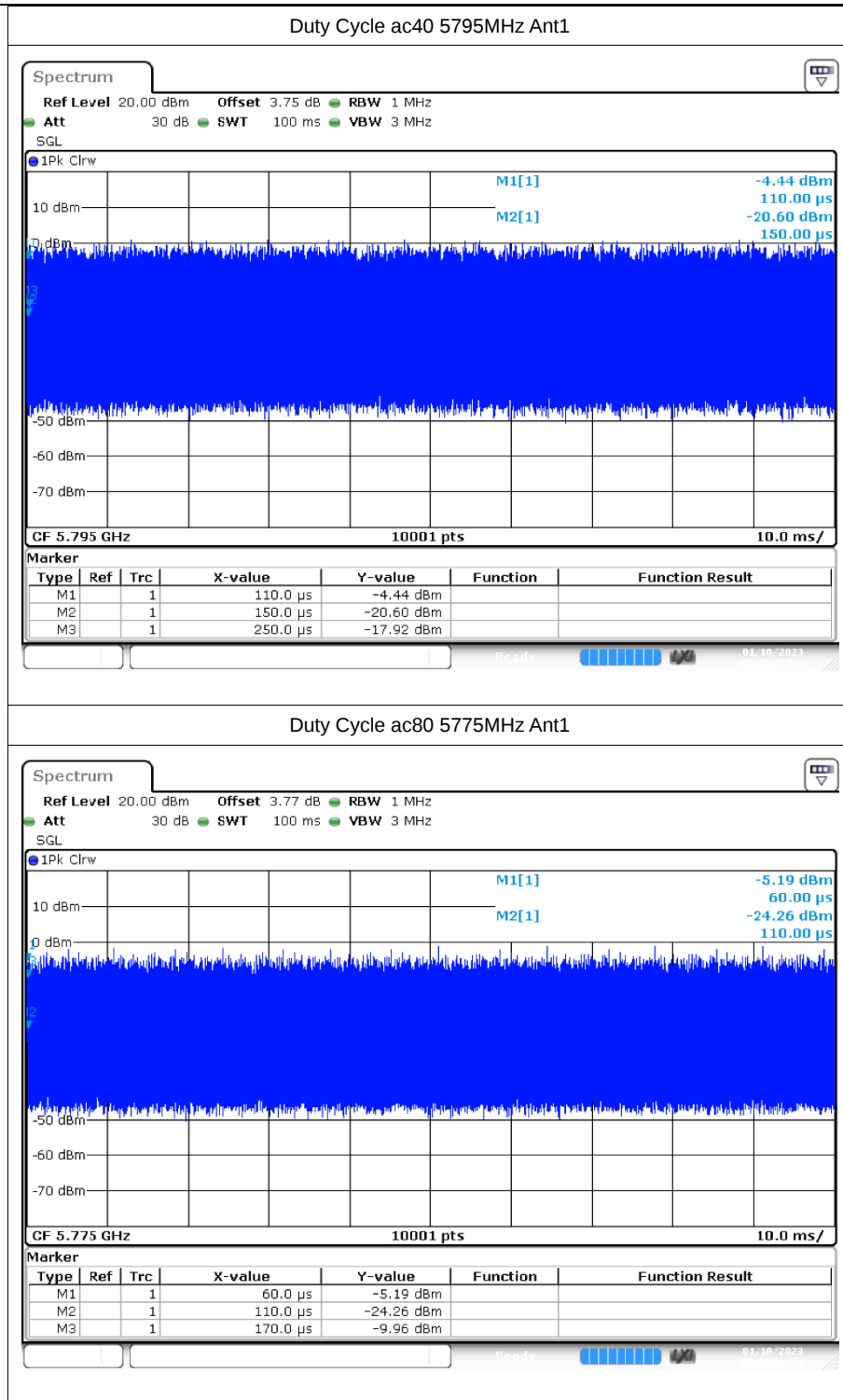


Duty Cycle ac20 5825MHz Ant1



Duty Cycle ac40 5755MHz Ant1







2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	10.63	0.66	11.29	30	Pass
a	5785	Ant1	12.08	0.65	12.73	30	Pass
a	5825	Ant1	11.88	0.65	12.53	30	Pass
n20	5745	Ant1	10.31	0.7	11.01	30	Pass
n20	5785	Ant1	11.74	0.69	12.43	30	Pass
n20	5825	Ant1	11.55	0.69	12.24	30	Pass
n40	5755	Ant1	9.92	1.03	10.95	30	Pass
n40	5795	Ant1	10.77	1.02	11.79	30	Pass
ac20	5745	Ant1	10.32	0.68	11	30	Pass
ac20	5785	Ant1	11.67	0.68	12.35	30	Pass
ac20	5825	Ant1	11.48	0.68	12.16	30	Pass
ac40	5755	Ant1	9.84	1.1	10.94	30	Pass
ac40	5795	Ant1	10.77	1.09	11.86	30	Pass
ac80	5775	Ant1	8.95	1.94	10.89	30	Pass

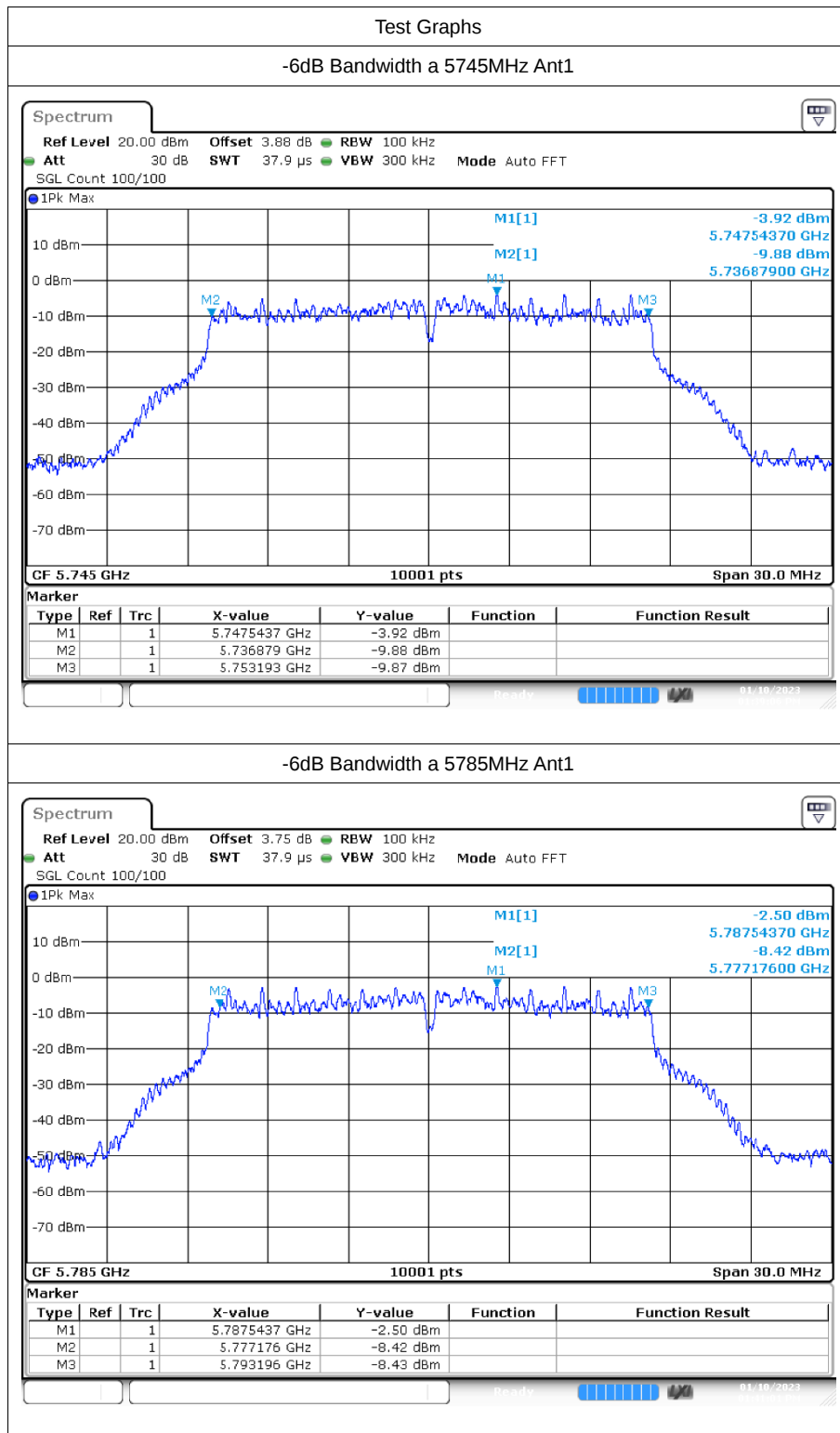


3 -6dB Bandwidth

3.1 Test Result

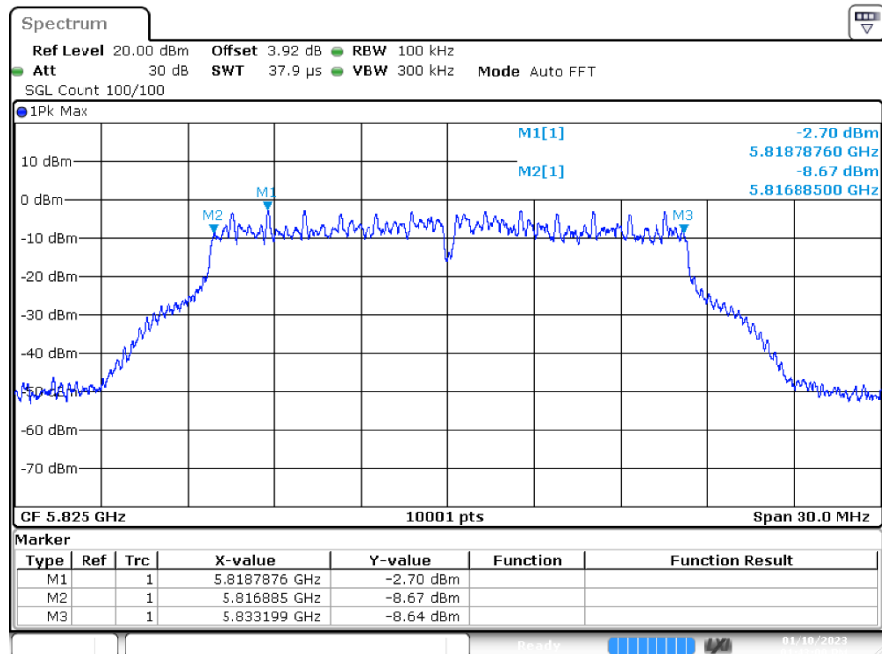
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.314	0.5	Pass
a	5785	Ant1	16.02	0.5	Pass
a	5825	Ant1	16.314	0.5	Pass
n20	5745	Ant1	17.574	0.5	Pass
n20	5785	Ant1	17.658	0.5	Pass
n20	5825	Ant1	17.274	0.5	Pass
n40	5755	Ant1	35.706	0.5	Pass
n40	5795	Ant1	35.58	0.5	Pass
ac20	5745	Ant1	17.64	0.5	Pass
ac20	5785	Ant1	17.652	0.5	Pass
ac20	5825	Ant1	17.547	0.5	Pass
ac40	5755	Ant1	35.652	0.5	Pass
ac40	5795	Ant1	35.496	0.5	Pass
ac80	5775	Ant1	75.132	0.5	Pass

3.2 Test Graphs

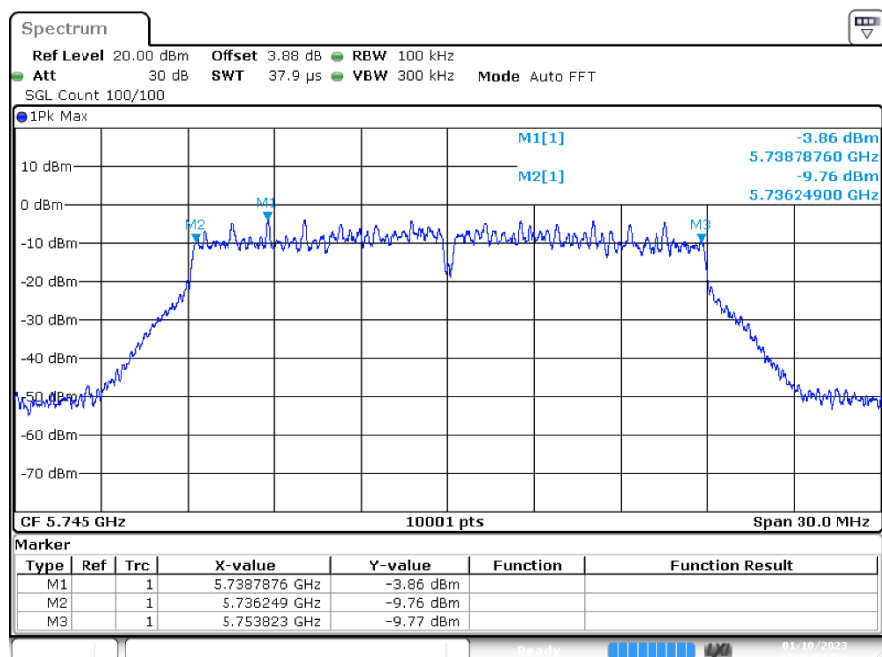




-6dB Bandwidth a 5825MHz Ant1

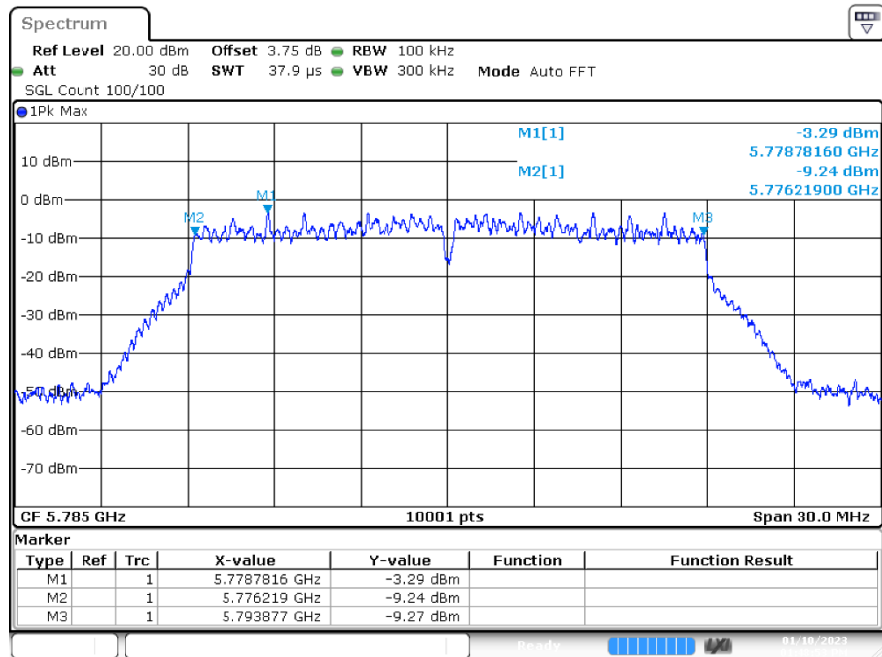


-6dB Bandwidth n20 5745MHz Ant1

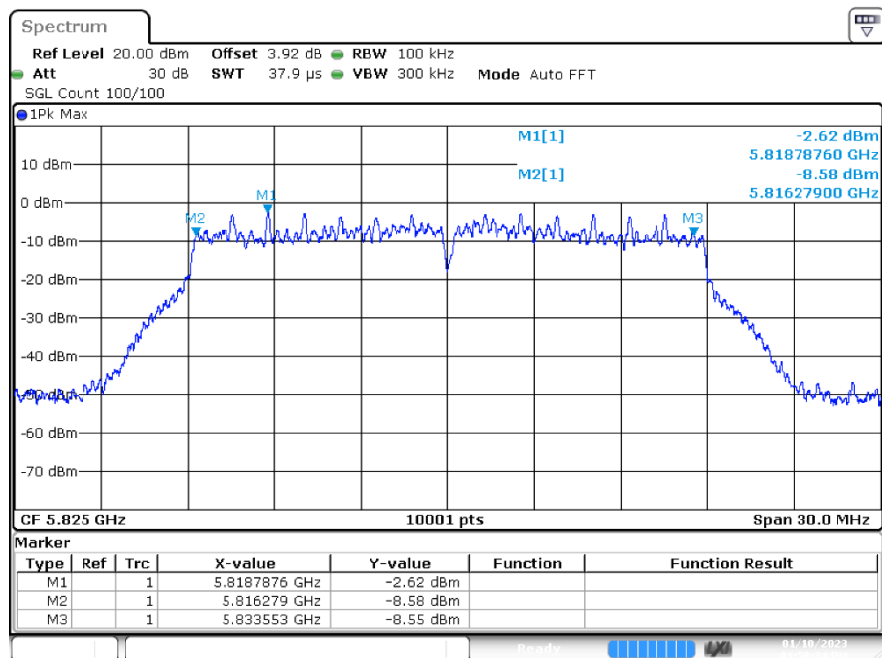




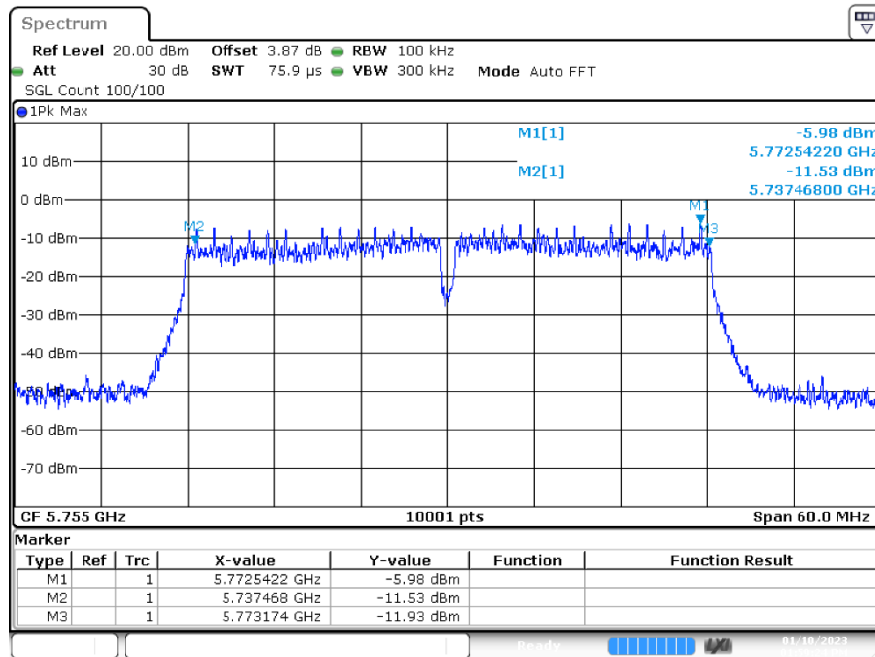
-6dB Bandwidth n20 5785MHz Ant1



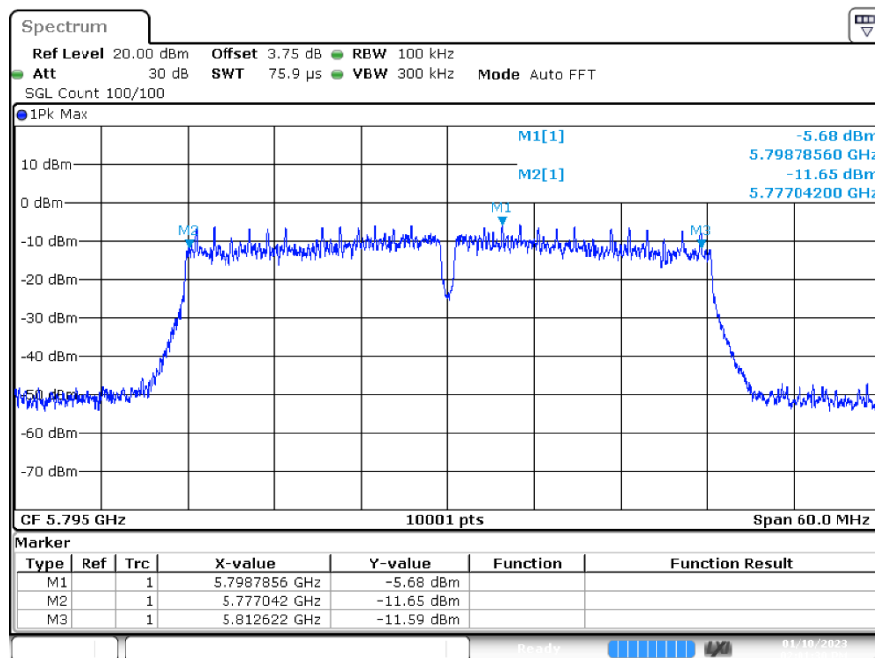
-6dB Bandwidth n20 5825MHz Ant1



-6dB Bandwidth n40 5755MHz Ant1

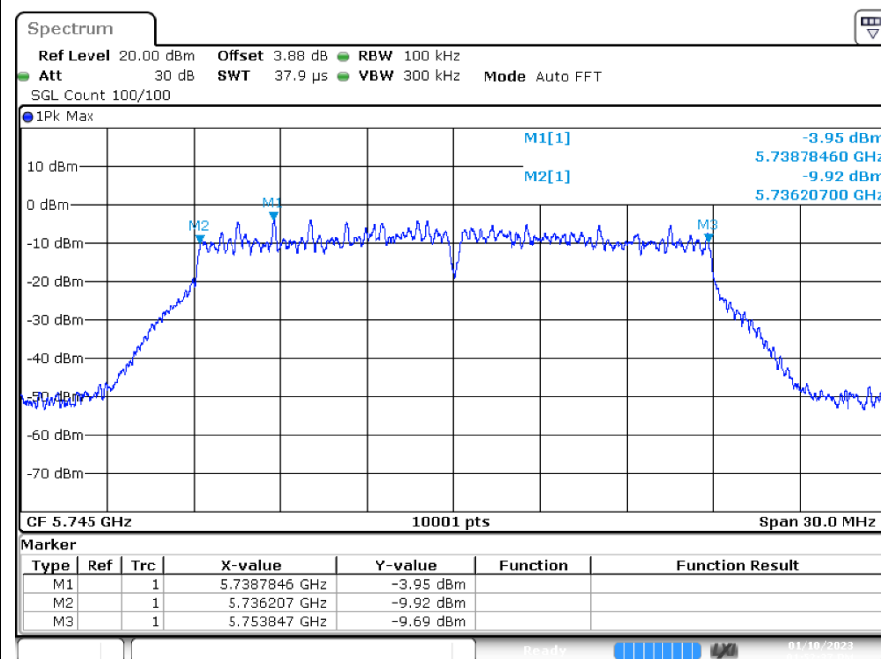


-6dB Bandwidth n40 5795MHz Ant1

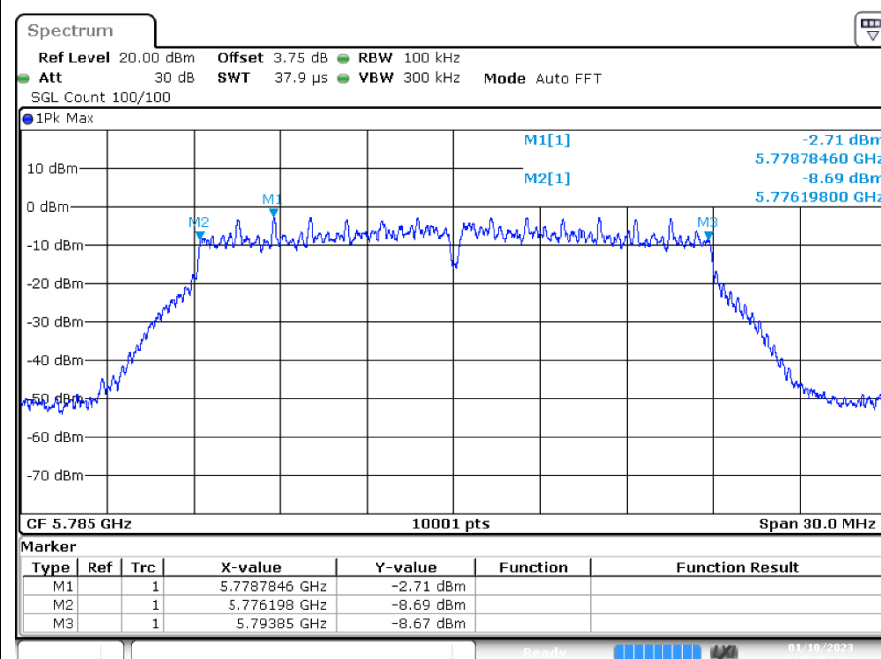




-6dB Bandwidth ac20 5745MHz Ant1

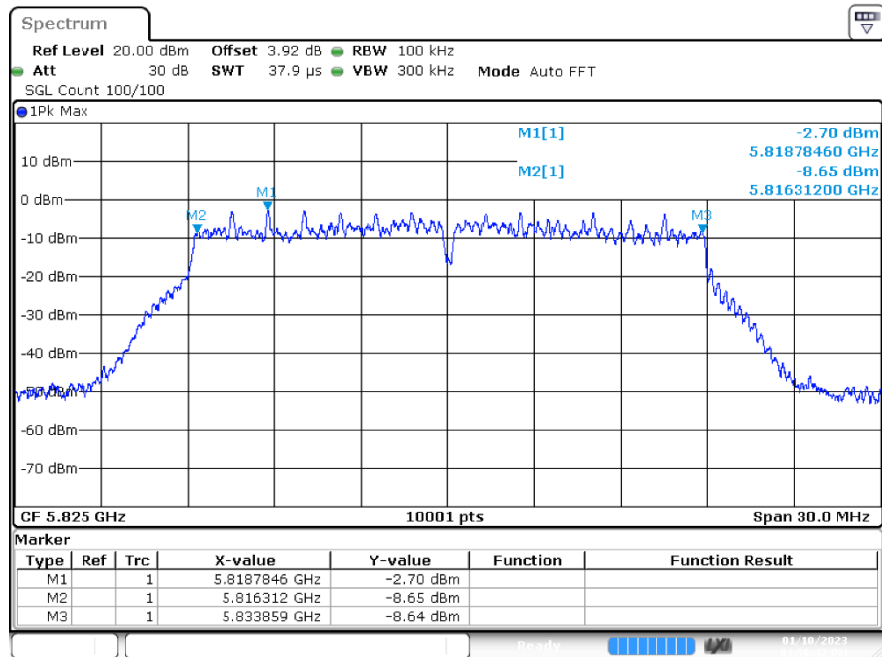


-6dB Bandwidth ac20 5785MHz Ant1

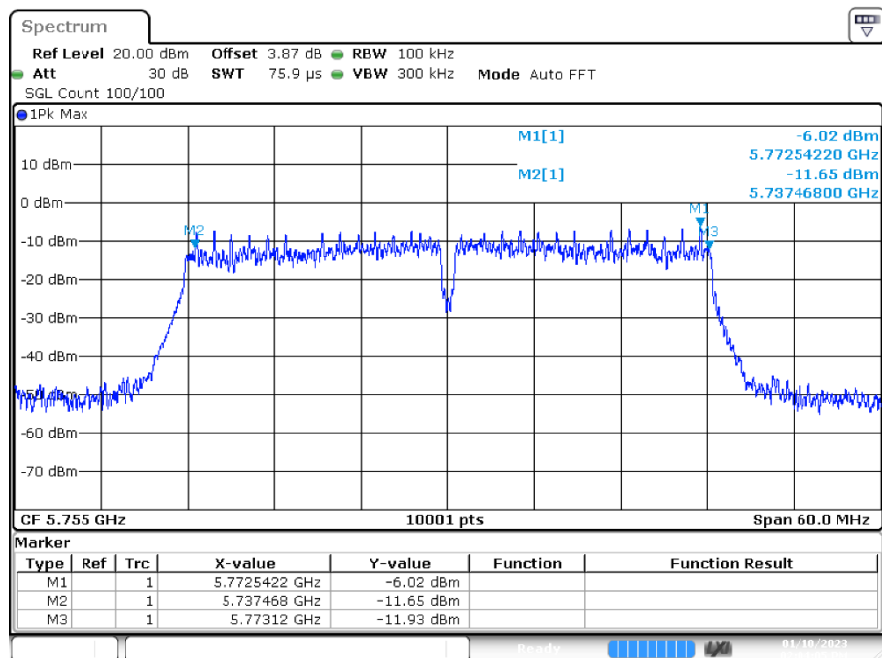




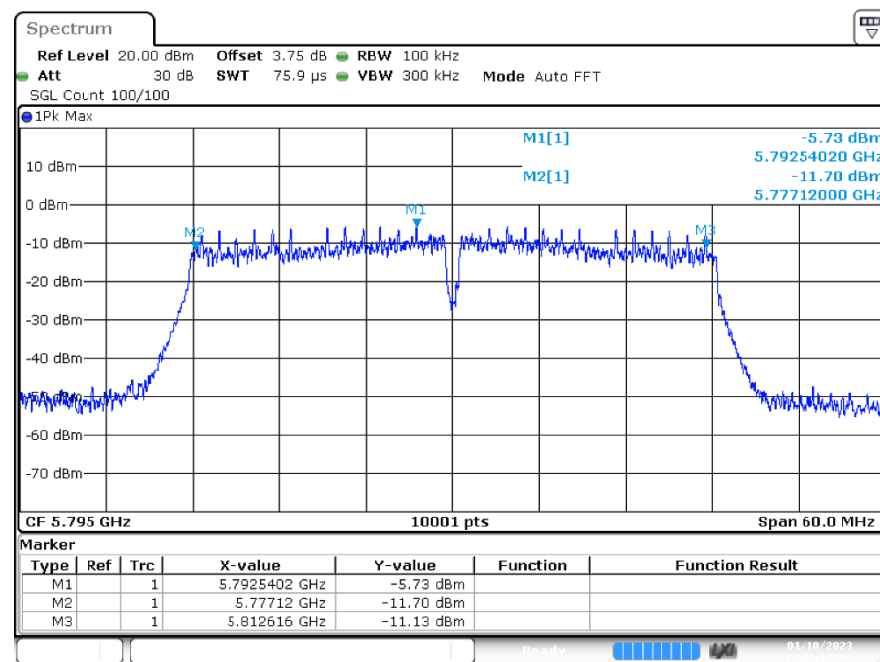
-6dB Bandwidth ac20 5825MHz Ant1



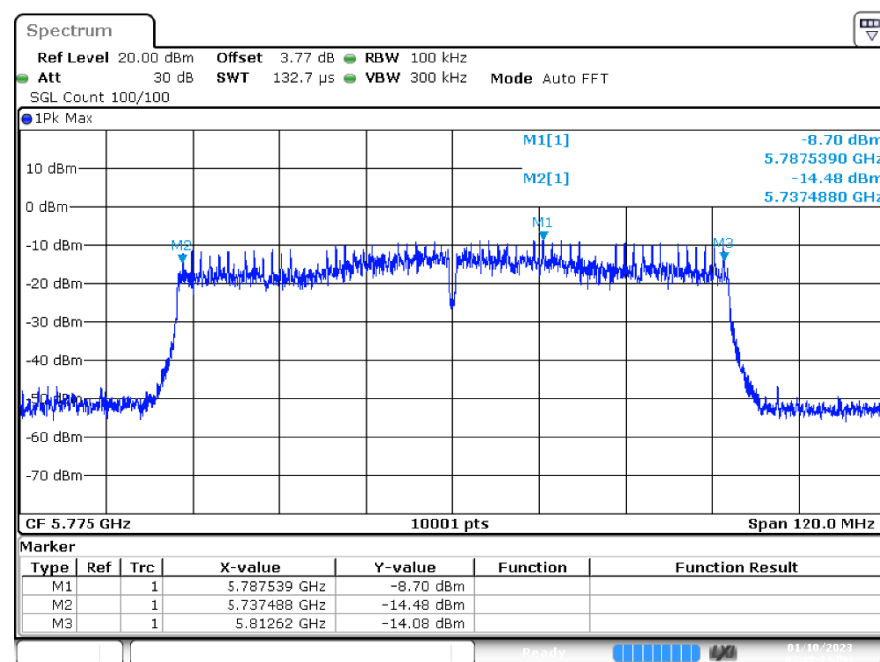
-6dB Bandwidth ac40 5755MHz Ant1



-6dB Bandwidth ac40 5795MHz Ant1



-6dB Bandwidth ac80 5775MHz Ant1



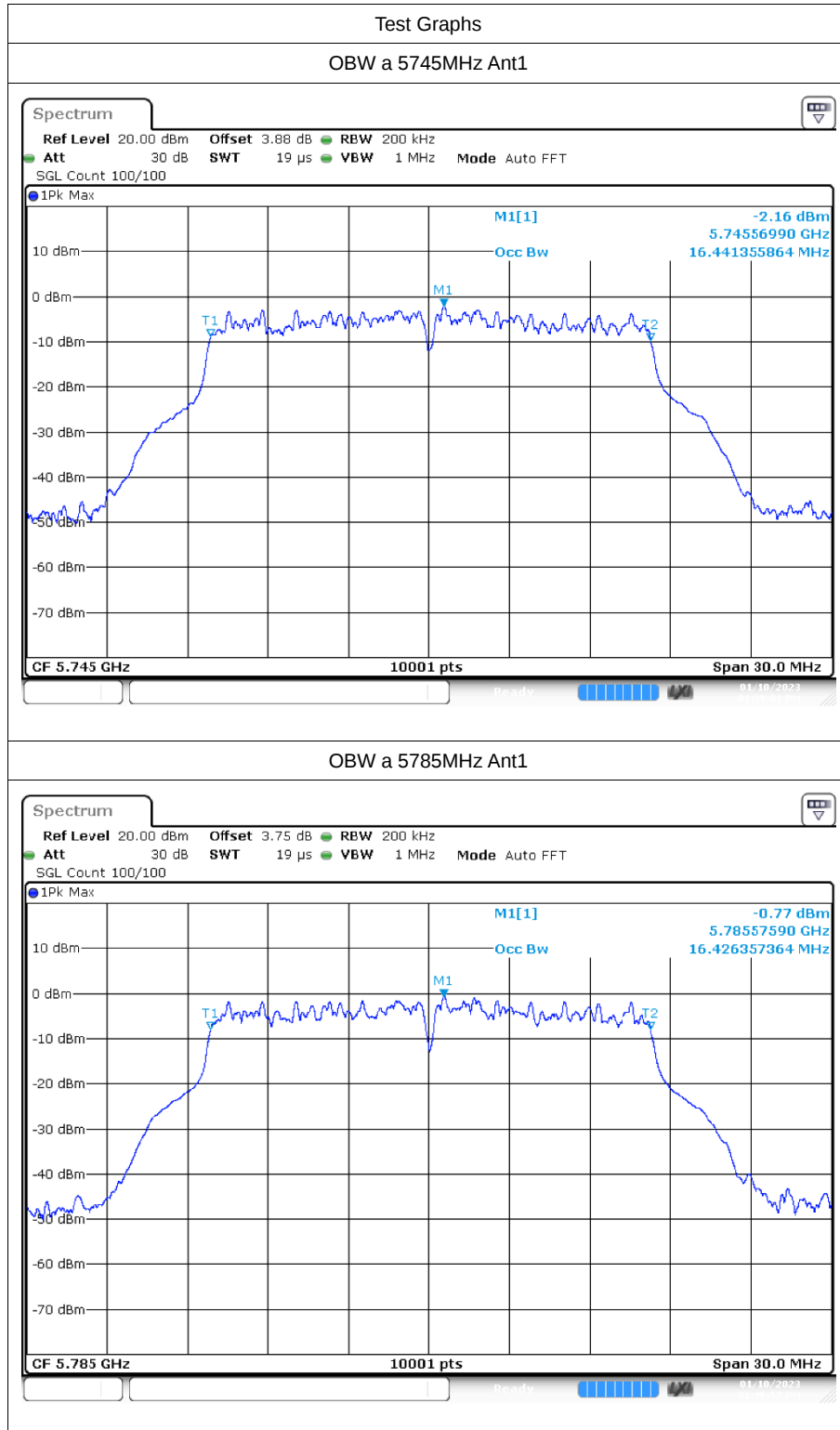


4 Occupied Channel Bandwidth

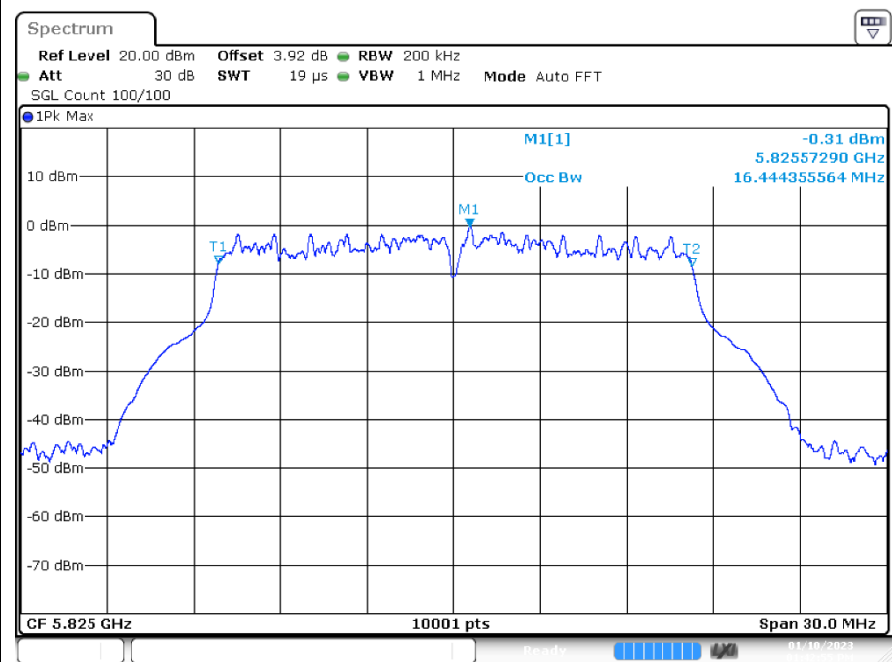
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	16.441
a	5785	Ant1	16.426
a	5825	Ant1	16.444
n20	5745	Ant1	17.713
n20	5785	Ant1	17.635
n20	5825	Ant1	17.695
n40	5755	Ant1	36.23
n40	5795	Ant1	36.086
ac20	5745	Ant1	17.779
ac20	5785	Ant1	17.704
ac20	5825	Ant1	17.809
ac40	5755	Ant1	36.26
ac40	5795	Ant1	36.5
ac80	5775	Ant1	75.532

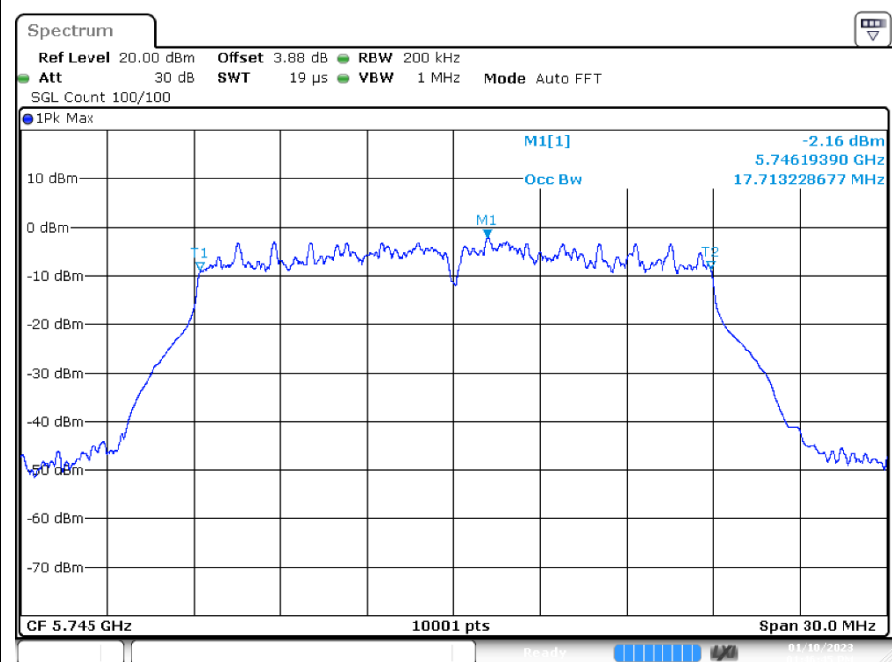
4.2 Test Graphs



OBW a 5825MHz Ant1

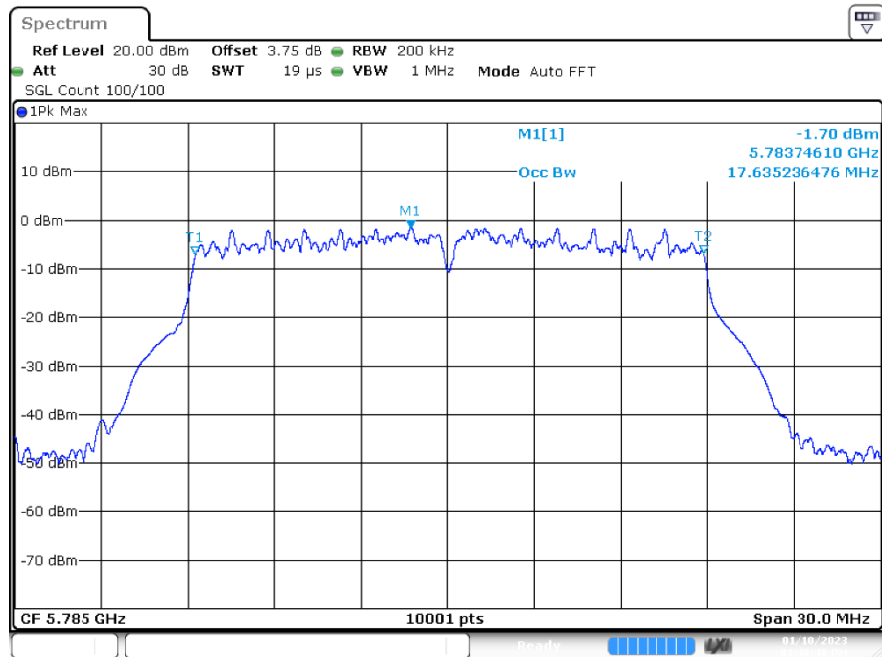


OBW n20 5745MHz Ant1

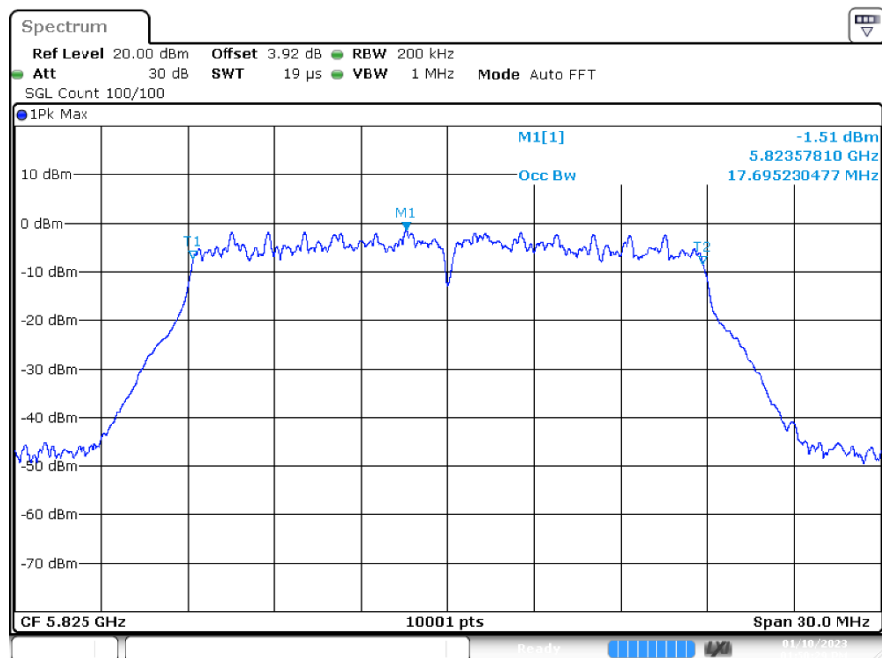




OBW n20 5785MHz Ant1

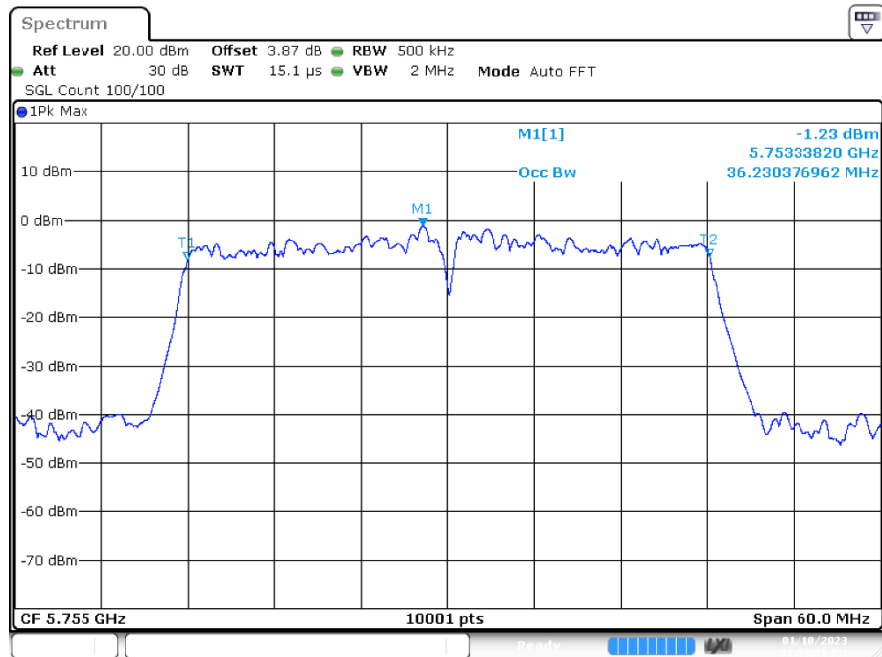


OBW n20 5825MHz Ant1

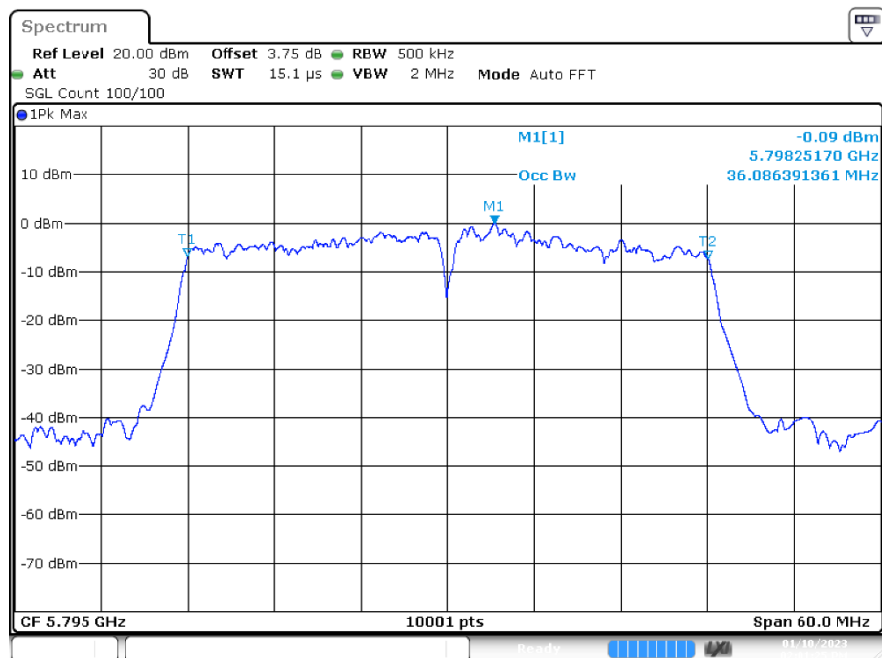




OBW n40 5755MHz Ant1

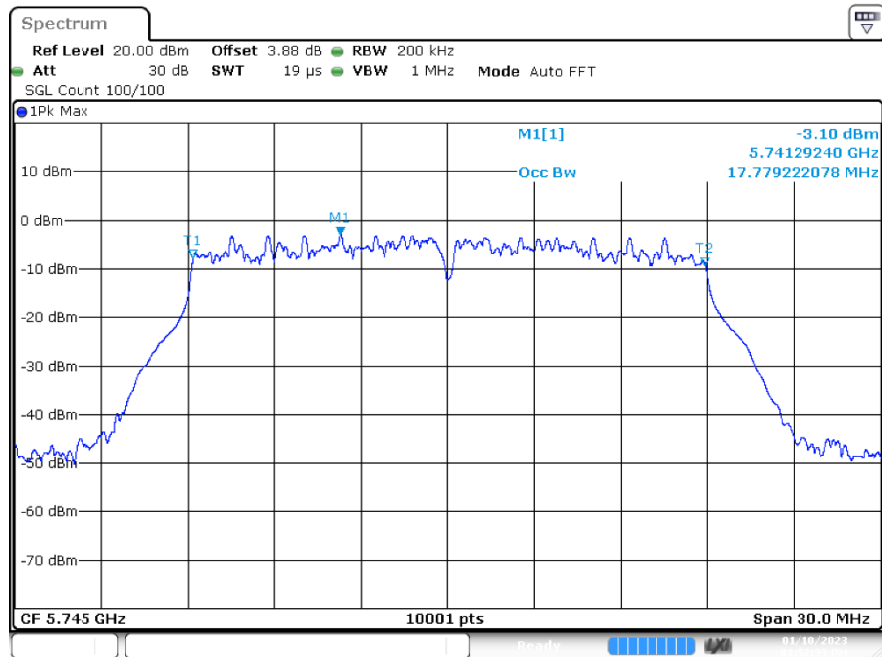


OBW n40 5795MHz Ant1

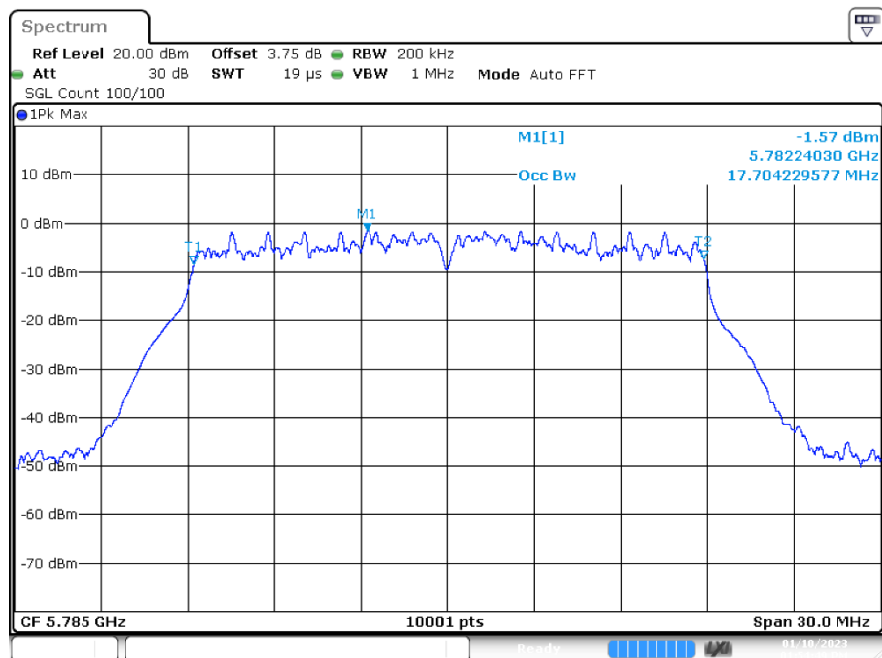


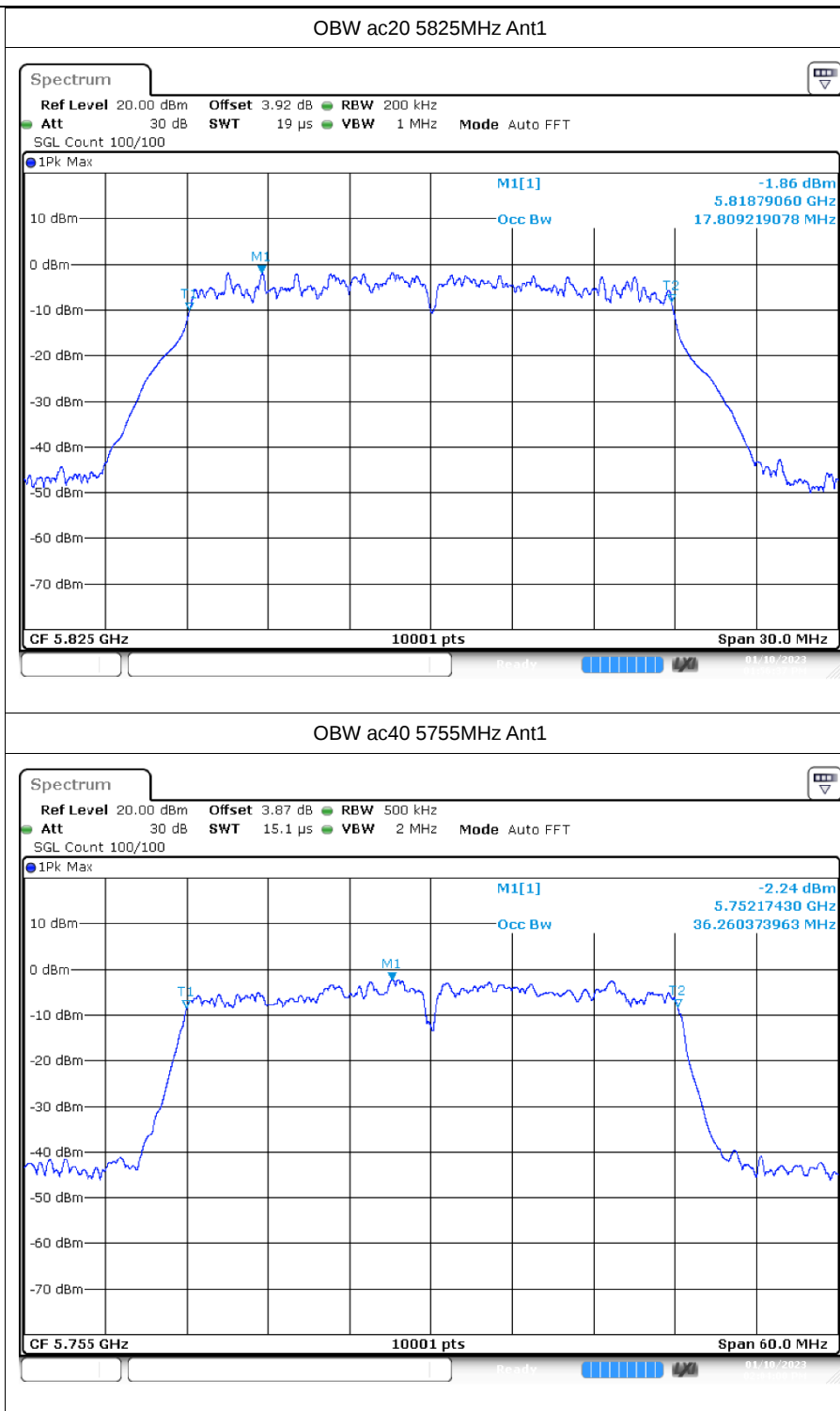


OBW ac20 5745MHz Ant1

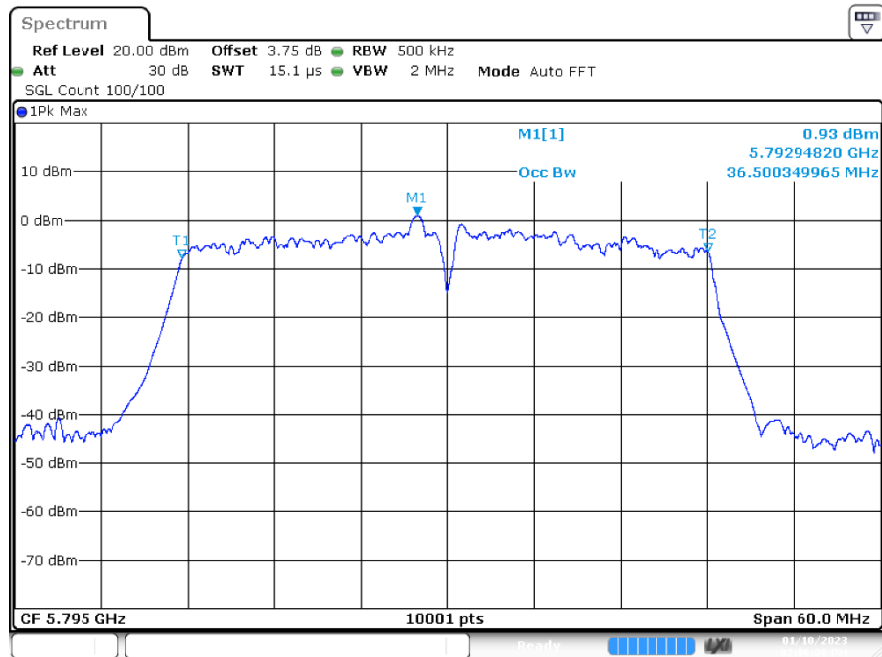


OBW ac20 5785MHz Ant1

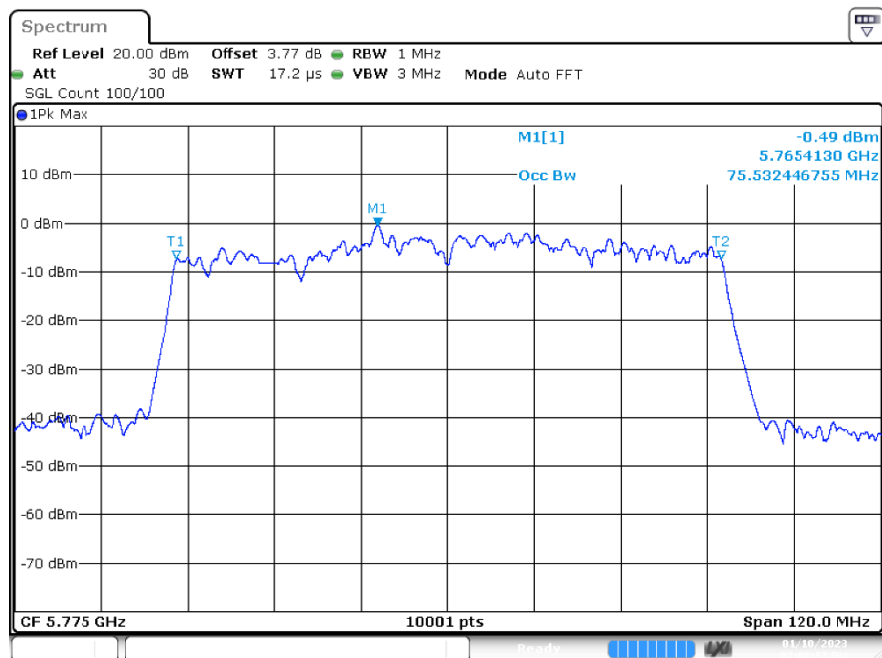




OBW ac40 5795MHz Ant1



OBW ac80 5775MHz Ant1



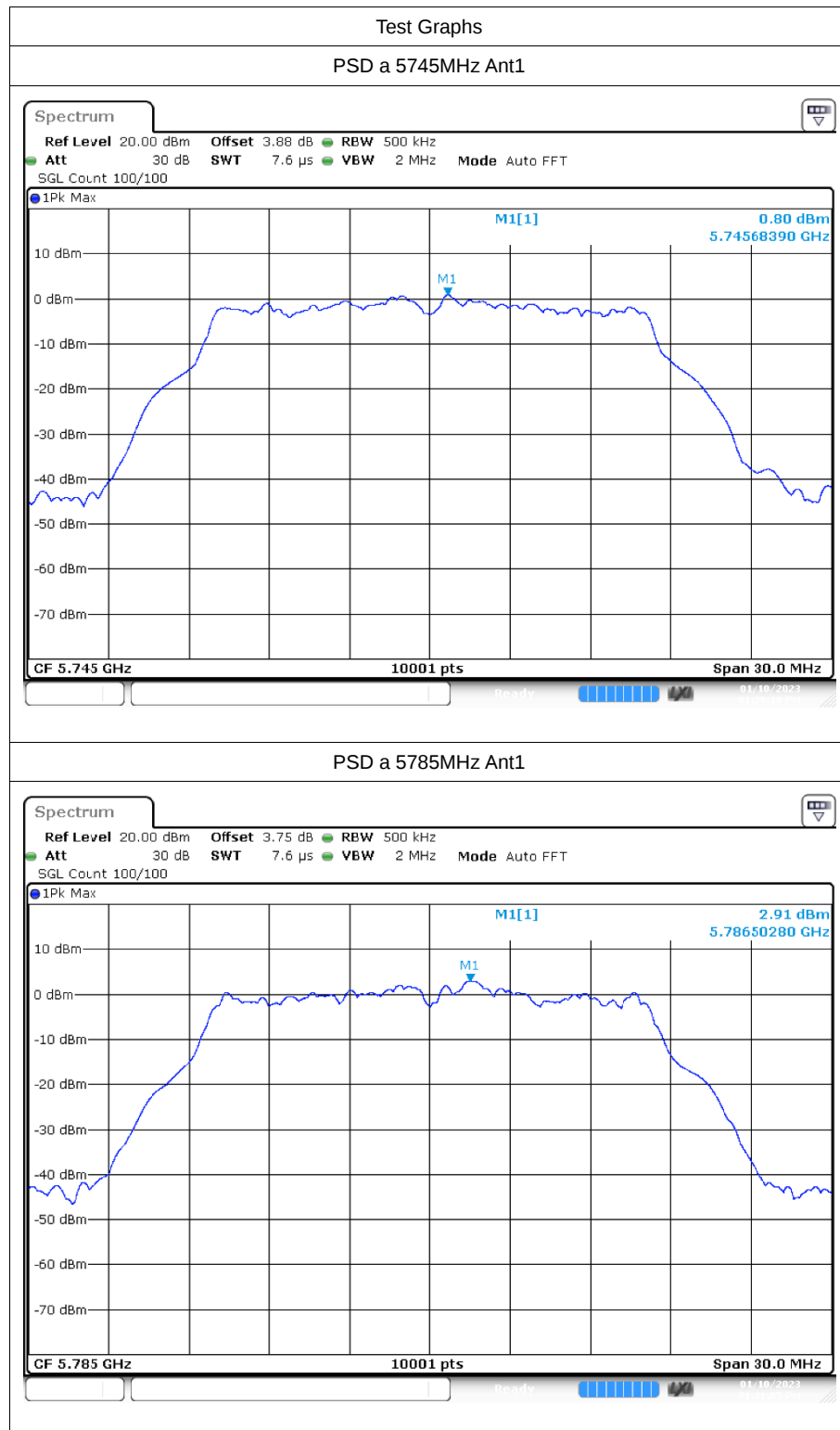


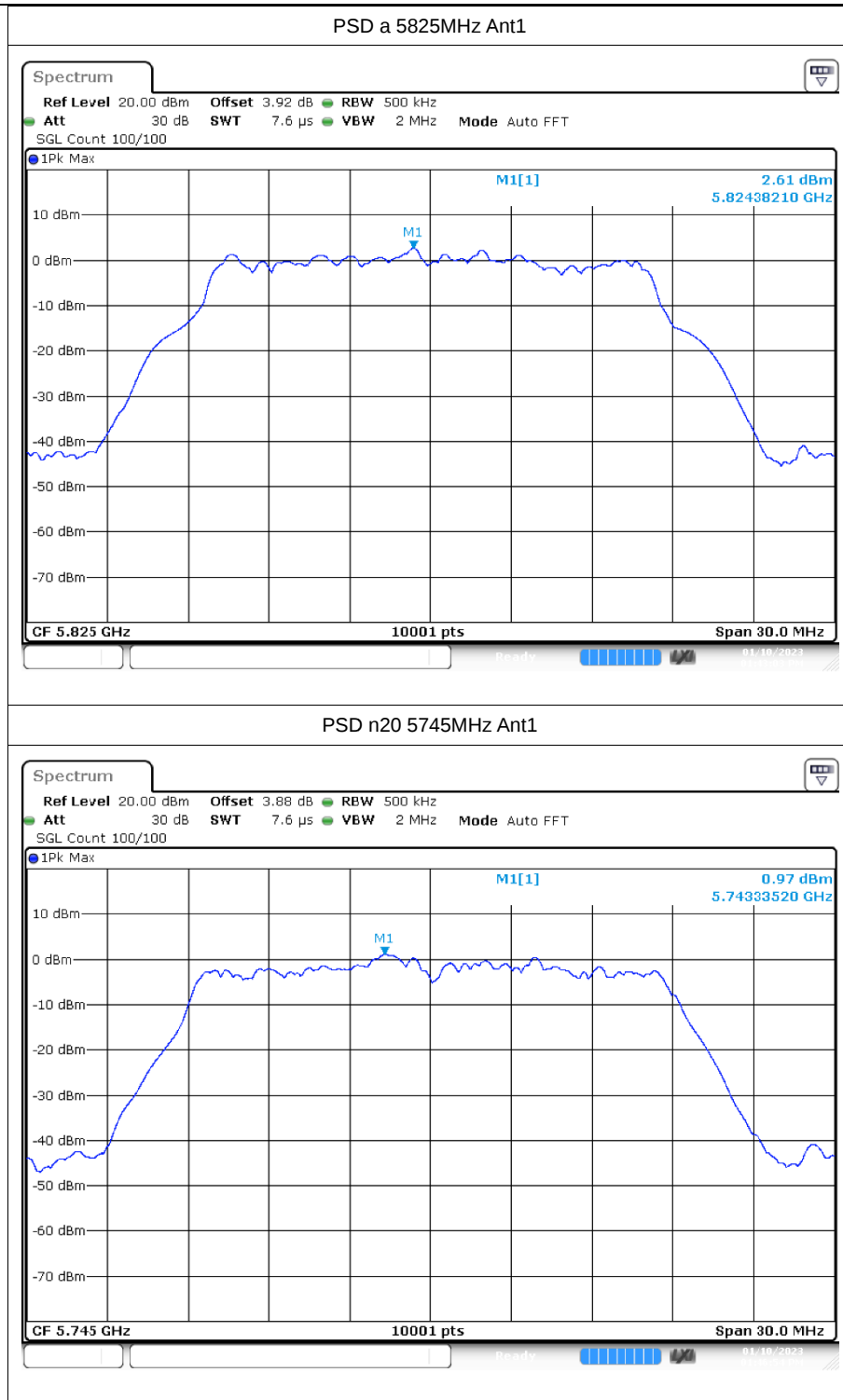
5 Maximum Power Spectral Density Level

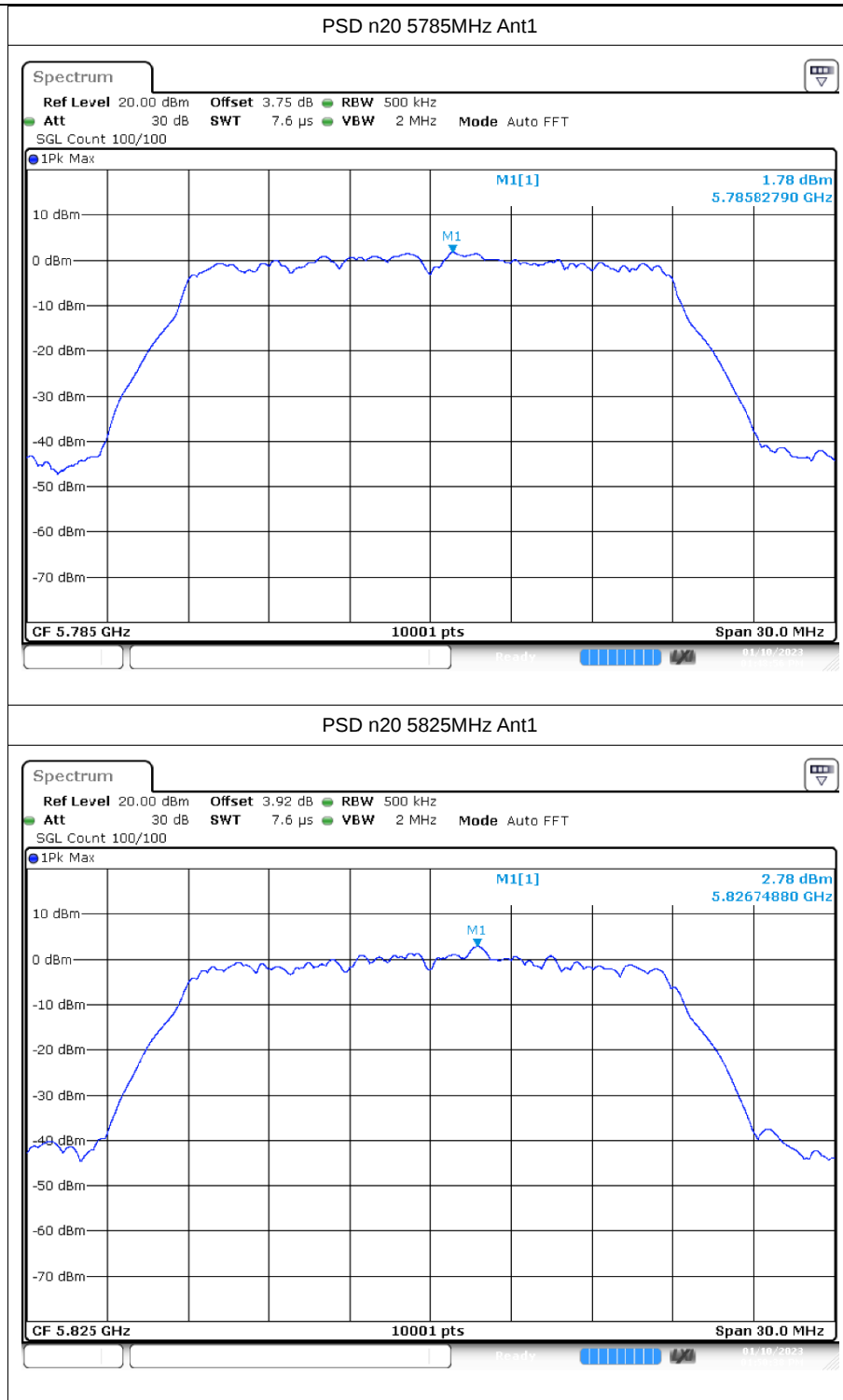
5.1 Test Result

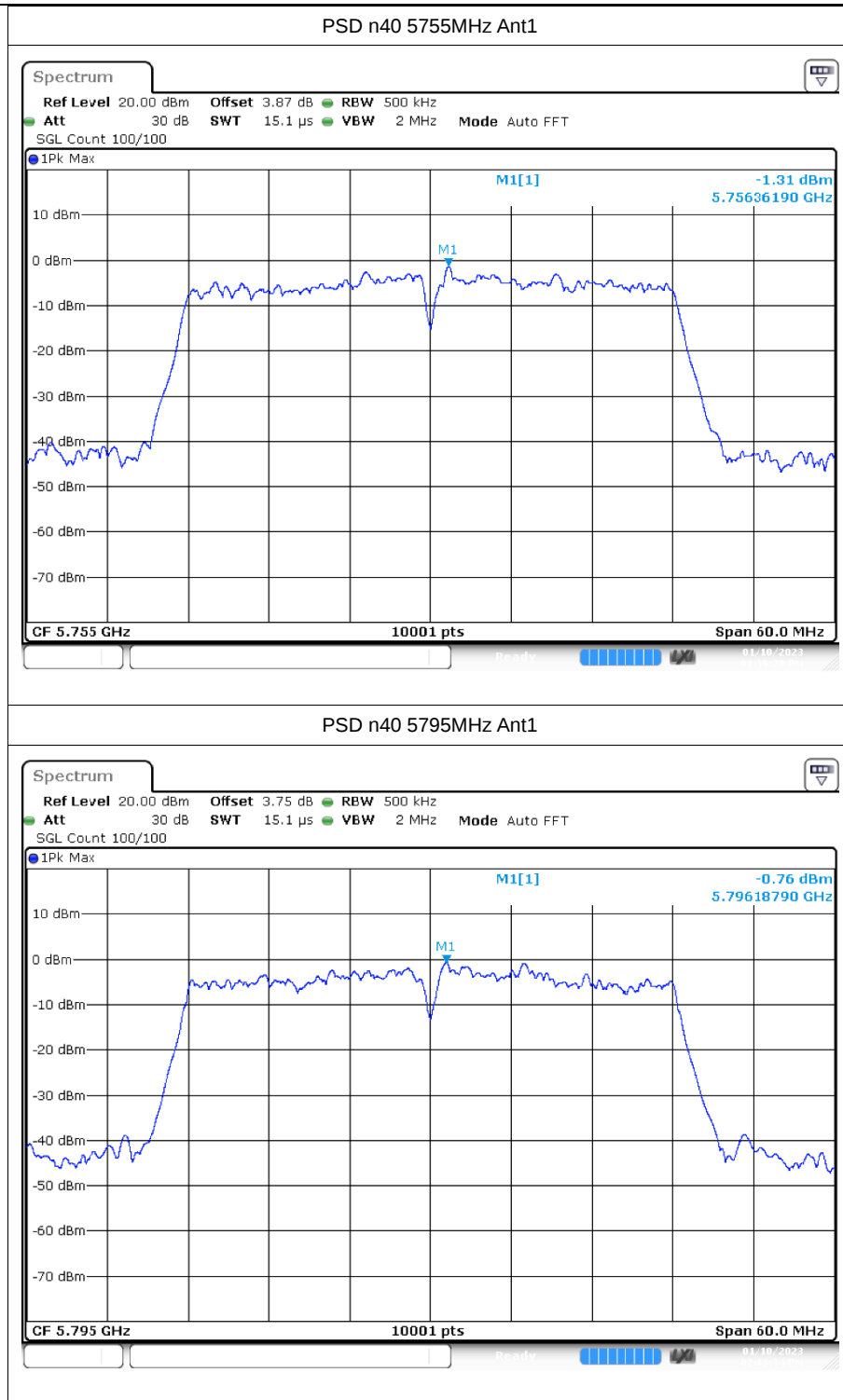
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	0.8	0.66	1.46	30	Pass
a	5785	Ant1	2.91	0.65	3.56	30	Pass
a	5825	Ant1	2.61	0.65	3.26	30	Pass
n20	5745	Ant1	0.97	0.7	1.67	30	Pass
n20	5785	Ant1	1.78	0.69	2.47	30	Pass
n20	5825	Ant1	2.78	0.69	3.47	30	Pass
n40	5755	Ant1	-1.31	1.03	-0.28	30	Pass
n40	5795	Ant1	-0.76	1.02	0.26	30	Pass
ac20	5745	Ant1	0.76	0.68	1.44	30	Pass
ac20	5785	Ant1	2.23	0.68	2.91	30	Pass
ac20	5825	Ant1	2.35	0.68	3.03	30	Pass
ac40	5755	Ant1	-2.04	1.1	-0.94	30	Pass
ac40	5795	Ant1	-1.12	1.09	-0.03	30	Pass
ac80	5775	Ant1	-3.69	1.94	-1.75	30	Pass

5.2 Test Graphs

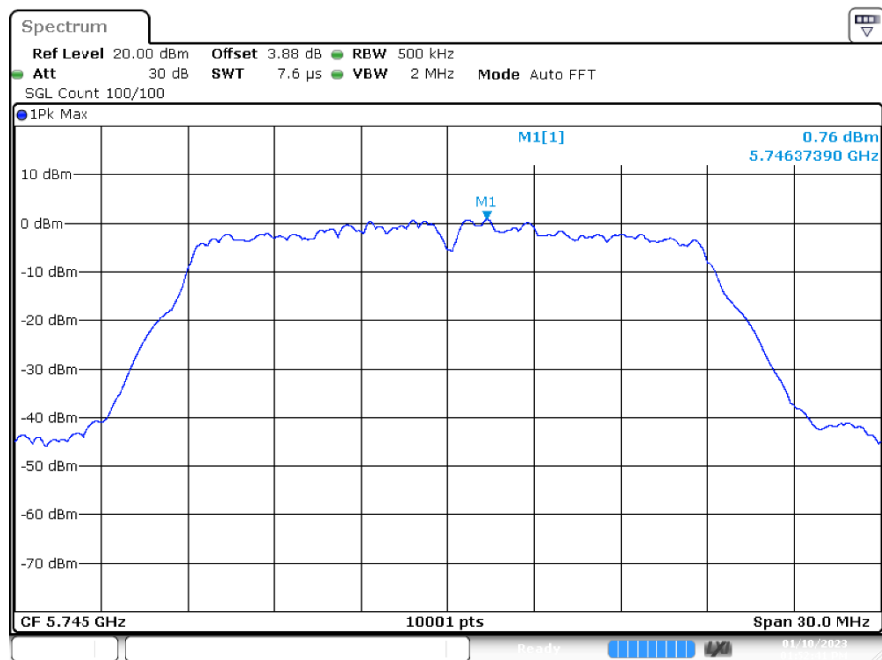




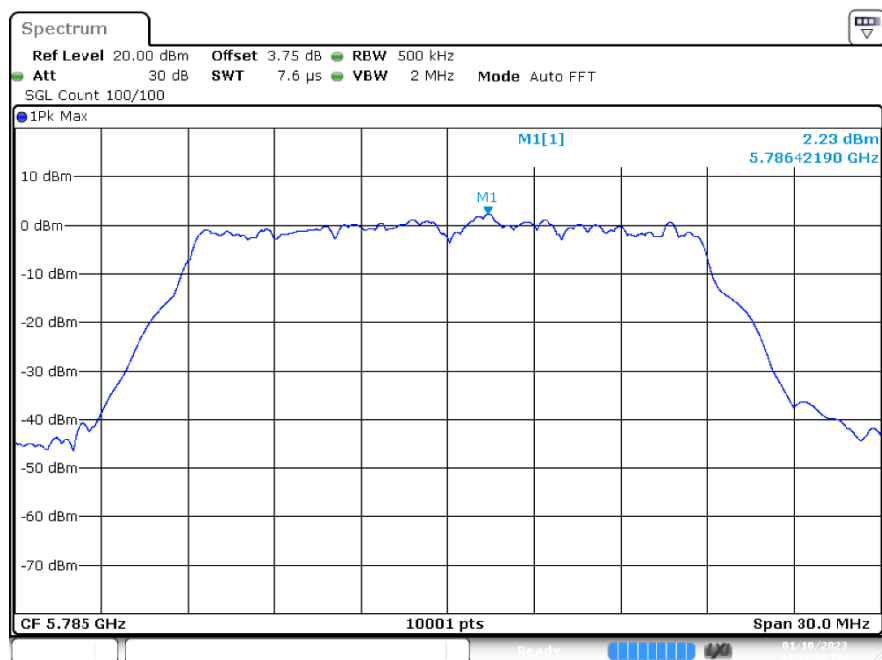




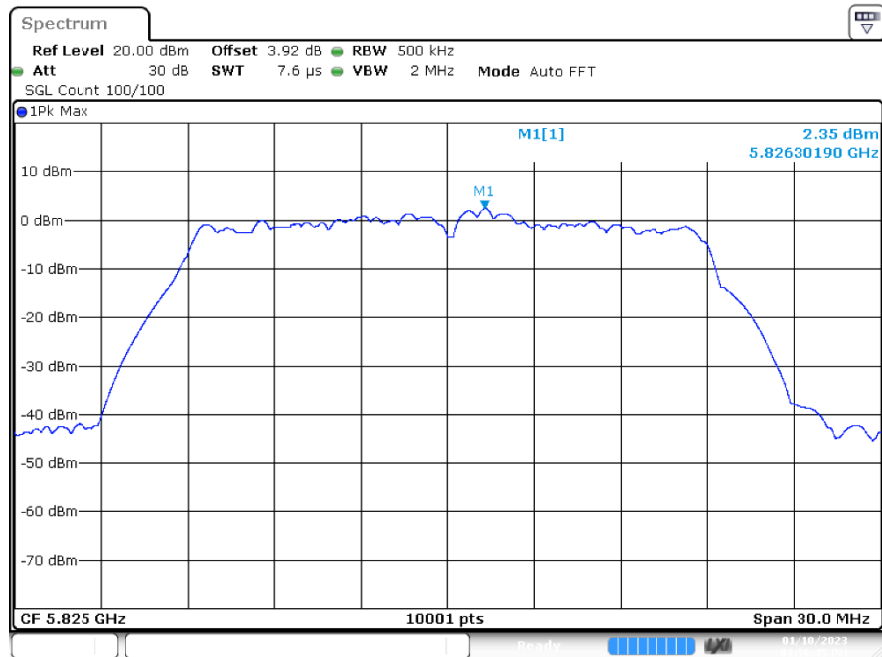
PSD ac20 5745MHz Ant1



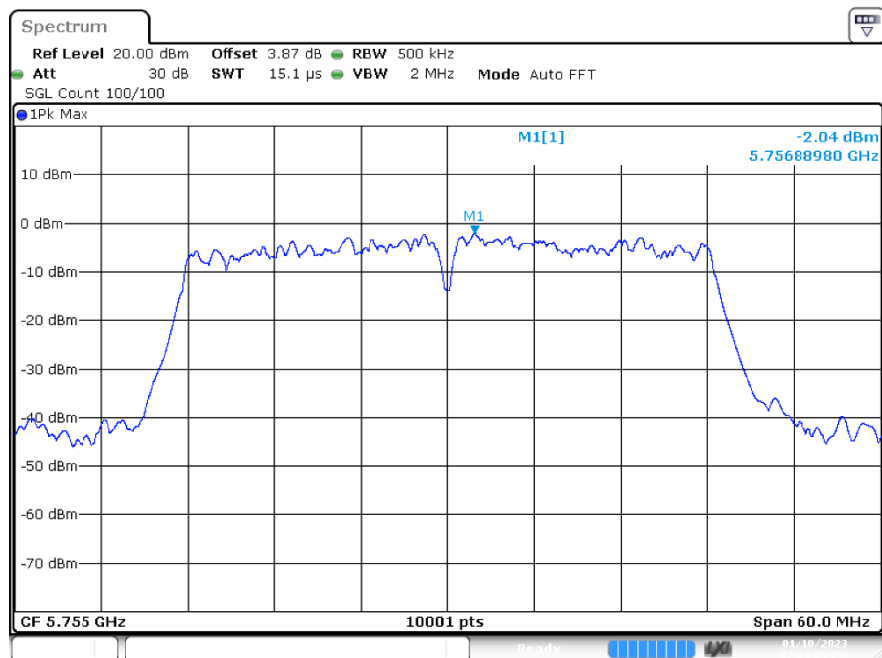
PSD ac20 5785MHz Ant1



PSD ac20 5825MHz Ant1

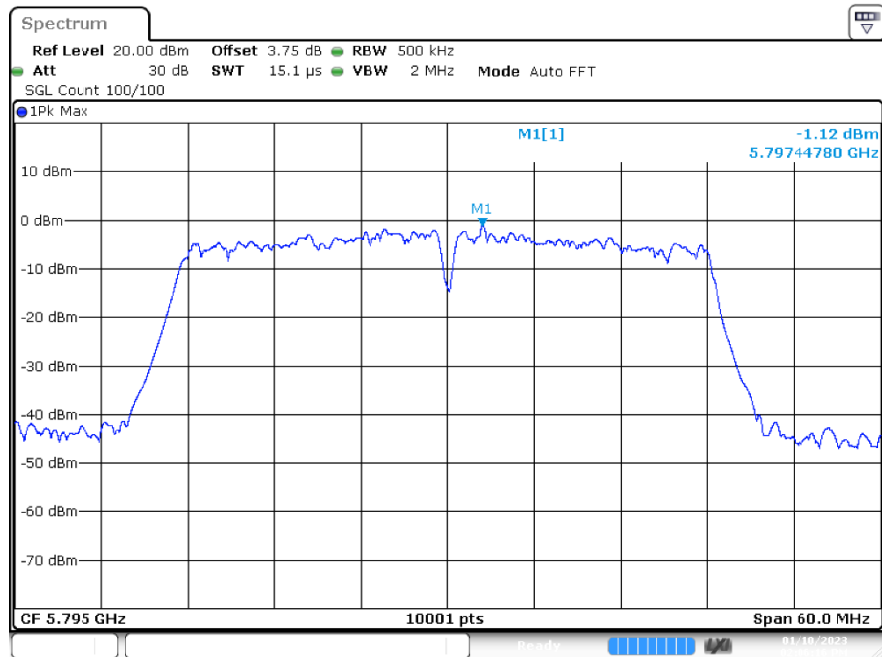


PSD ac40 5755MHz Ant1

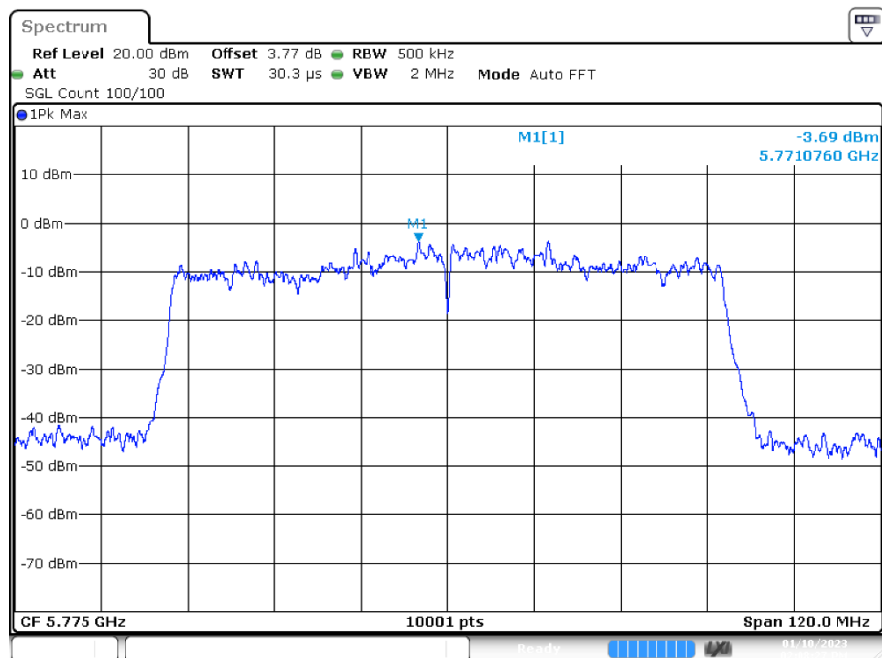




PSD ac40 5795MHz Ant1



PSD ac80 5775MHz 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	5745	Ant1	5745.06	60000	10.44	25	Pass
20C 120V	a	5745	Ant1	5745.06	60000	10.44	25	Pass
20C 138V	a	5745	Ant1	5745.06	60000	10.44	25	Pass
-20C 120V	a	5745	Ant1	5745.08	80000	13.93	25	Pass
-10C 120V	a	5745	Ant1	5745.08	80000	13.93	25	Pass
0C 120V	a	5745	Ant1	5745.06	60000	10.44	25	Pass
10C 120V	a	5745	Ant1	5745.06	60000	10.44	25	Pass
30C 120V	a	5745	Ant1	5745.08	80000	13.93	25	Pass
40C 120V	a	5745	Ant1	5745.06	60000	10.44	25	Pass
50C 120V	a	5745	Ant1	5745.06	60000	10.44	25	Pass
20C 102V	a	5785	Ant1	5785.06	60000	10.37	25	Pass
20C 120V	a	5785	Ant1	5785.04	40000	6.91	25	Pass
20C 138V	a	5785	Ant1	5785.06	60000	10.37	25	Pass
-20C 120V	a	5785	Ant1	5785.06	60000	10.37	25	Pass
-10C 120V	a	5785	Ant1	5785.06	60000	10.37	25	Pass
0C 120V	a	5785	Ant1	5785.06	60000	10.37	25	Pass
10C 120V	a	5785	Ant1	5785.08	80000	13.83	25	Pass
30C 120V	a	5785	Ant1	5785.06	60000	10.37	25	Pass
40C 120V	a	5785	Ant1	5785.06	60000	10.37	25	Pass
50C 120V	a	5785	Ant1	5785.04	40000	6.91	25	Pass
20C 102V	a	5825	Ant1	5825.04	40000	6.87	25	Pass
20C 120V	a	5825	Ant1	5825.06	60000	10.3	25	Pass
20C 138V	a	5825	Ant1	5825.04	40000	6.87	25	Pass
-20C 120V	a	5825	Ant1	5825.04	40000	6.87	25	Pass
-10C 120V	a	5825	Ant1	5825.08	80000	13.73	25	Pass
0C 120V	a	5825	Ant1	5825.08	80000	13.73	25	Pass
10C 120V	a	5825	Ant1	5825.08	80000	13.73	25	Pass
30C 120V	a	5825	Ant1	5825.04	40000	6.87	25	Pass
40C 120V	a	5825	Ant1	5825.04	40000	6.87	25	Pass
50C 120V	a	5825	Ant1	5825.08	80000	13.73	25	Pass
20C 102V	n20	5745	Ant1	5745.06	60000	10.44	25	Pass
20C 120V	n20	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 138V	n20	5745	Ant1	5745.04	40000	6.96	25	Pass
-20C 120V	n20	5745	Ant1	5745.08	80000	13.93	25	Pass
-10C 120V	n20	5745	Ant1	5745.04	40000	6.96	25	Pass



0C 120V	n20	5745	Ant1	5745.02	20000	3.48	25	Pass
10C 120V	n20	5745	Ant1	5745.04	40000	6.96	25	Pass
30C 120V	n20	5745	Ant1	5745.04	40000	6.96	25	Pass
40C 120V	n20	5745	Ant1	5745.06	60000	10.44	25	Pass
50C 120V	n20	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 102V	n20	5785	Ant1	5785.08	80000	13.83	25	Pass
20C 120V	n20	5785	Ant1	5785.06	60000	10.37	25	Pass
20C 138V	n20	5785	Ant1	5785.04	40000	6.91	25	Pass
-20C 120V	n20	5785	Ant1	5785.04	40000	6.91	25	Pass
-10C 120V	n20	5785	Ant1	5785.06	60000	10.37	25	Pass
0C 120V	n20	5785	Ant1	5785	0	0	25	Pass
10C 120V	n20	5785	Ant1	5785.04	40000	6.91	25	Pass
30C 120V	n20	5785	Ant1	5785.04	40000	6.91	25	Pass
40C 120V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
50C 120V	n20	5785	Ant1	5785.06	60000	10.37	25	Pass
20C 102V	n20	5825	Ant1	5825.04	40000	6.87	25	Pass
20C 120V	n20	5825	Ant1	5825.04	40000	6.87	25	Pass
20C 138V	n20	5825	Ant1	5825.06	60000	10.3	25	Pass
-20C 120V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
-10C 120V	n20	5825	Ant1	5825.04	40000	6.87	25	Pass
0C 120V	n20	5825	Ant1	5825.06	60000	10.3	25	Pass
10C 120V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
30C 120V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 120V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
50C 120V	n20	5825	Ant1	5825.06	60000	10.3	25	Pass
20C 102V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 120V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 138V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
-20C 120V	n40	5755	Ant1	5755.08	80000	13.9	25	Pass
-10C 120V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
0C 120V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
10C 120V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
30C 120V	n40	5755	Ant1	5755.08	80000	13.9	25	Pass
40C 120V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
50C 120V	n40	5755	Ant1	5755.08	80000	13.9	25	Pass
20C 102V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 120V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 138V	n40	5795	Ant1	5795	0	0	25	Pass
-20C 120V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
-10C 120V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
0C 120V	n40	5795	Ant1	5795.08	80000	13.81	25	Pass
10C 120V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
30C 120V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass



40C 120V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
50C 120V	n40	5795	Ant1	5795	0	0	25	Pass
20C 102V	ac20	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 138V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
-20C 120V	ac20	5745	Ant1	5745.04	40000	6.96	25	Pass
-10C 120V	ac20	5745	Ant1	5745.04	40000	6.96	25	Pass
0C 120V	ac20	5745	Ant1	5745.04	40000	6.96	25	Pass
10C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
30C 120V	ac20	5745	Ant1	5745.06	60000	10.44	25	Pass
40C 120V	ac20	5745	Ant1	5745.04	40000	6.96	25	Pass
50C 120V	ac20	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 102V	ac20	5785	Ant1	5785.06	60000	10.37	25	Pass
20C 120V	ac20	5785	Ant1	5785.04	40000	6.91	25	Pass
20C 138V	ac20	5785	Ant1	5785	0	0	25	Pass
-20C 120V	ac20	5785	Ant1	5785.04	40000	6.91	25	Pass
-10C 120V	ac20	5785	Ant1	5785.04	40000	6.91	25	Pass
0C 120V	ac20	5785	Ant1	5785.06	60000	10.37	25	Pass
10C 120V	ac20	5785	Ant1	5785.04	40000	6.91	25	Pass
30C 120V	ac20	5785	Ant1	5785.04	40000	6.91	25	Pass
40C 120V	ac20	5785	Ant1	5785.06	60000	10.37	25	Pass
50C 120V	ac20	5785	Ant1	5785.04	40000	6.91	25	Pass
20C 102V	ac20	5825	Ant1	5825.06	60000	10.3	25	Pass
20C 120V	ac20	5825	Ant1	5825.04	40000	6.87	25	Pass
20C 138V	ac20	5825	Ant1	5825.06	60000	10.3	25	Pass
-20C 120V	ac20	5825	Ant1	5825.04	40000	6.87	25	Pass
-10C 120V	ac20	5825	Ant1	5825.06	60000	10.3	25	Pass
0C 120V	ac20	5825	Ant1	5825.04	40000	6.87	25	Pass
10C 120V	ac20	5825	Ant1	5825.06	60000	10.3	25	Pass
30C 120V	ac20	5825	Ant1	5825.04	40000	6.87	25	Pass
40C 120V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
50C 120V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 102V	ac40	5755	Ant1	5755.08	80000	13.9	25	Pass
20C 120V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 138V	ac40	5755	Ant1	5755.08	80000	13.9	25	Pass
-20C 120V	ac40	5755	Ant1	5755.08	80000	13.9	25	Pass
-10C 120V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
0C 120V	ac40	5755	Ant1	5755.08	80000	13.9	25	Pass
10C 120V	ac40	5755	Ant1	5755.08	80000	13.9	25	Pass
30C 120V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
40C 120V	ac40	5755	Ant1	5755.08	80000	13.9	25	Pass
50C 120V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 102V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass



20C 120V	ac40	5795	Ant1	5795.08	80000	13.81	25	Pass
20C 138V	ac40	5795	Ant1	5795.08	80000	13.81	25	Pass
-20C 120V	ac40	5795	Ant1	5795.08	80000	13.81	25	Pass
-10C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
0C 120V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
10C 120V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
30C 120V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
40C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
50C 120V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 102V	ac80	5775	Ant1	5775.24	240000	41.56	25	Pass
20C 120V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass
20C 138V	ac80	5775	Ant1	5775	0	0	25	Pass
-20C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
-10C 120V	ac80	5775	Ant1	5775.32	320000	55.41	25	Pass
0C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
10C 120V	ac80	5775	Ant1	5775.32	320000	55.41	25	Pass
30C 120V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass
40C 120V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass
50C 120V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass

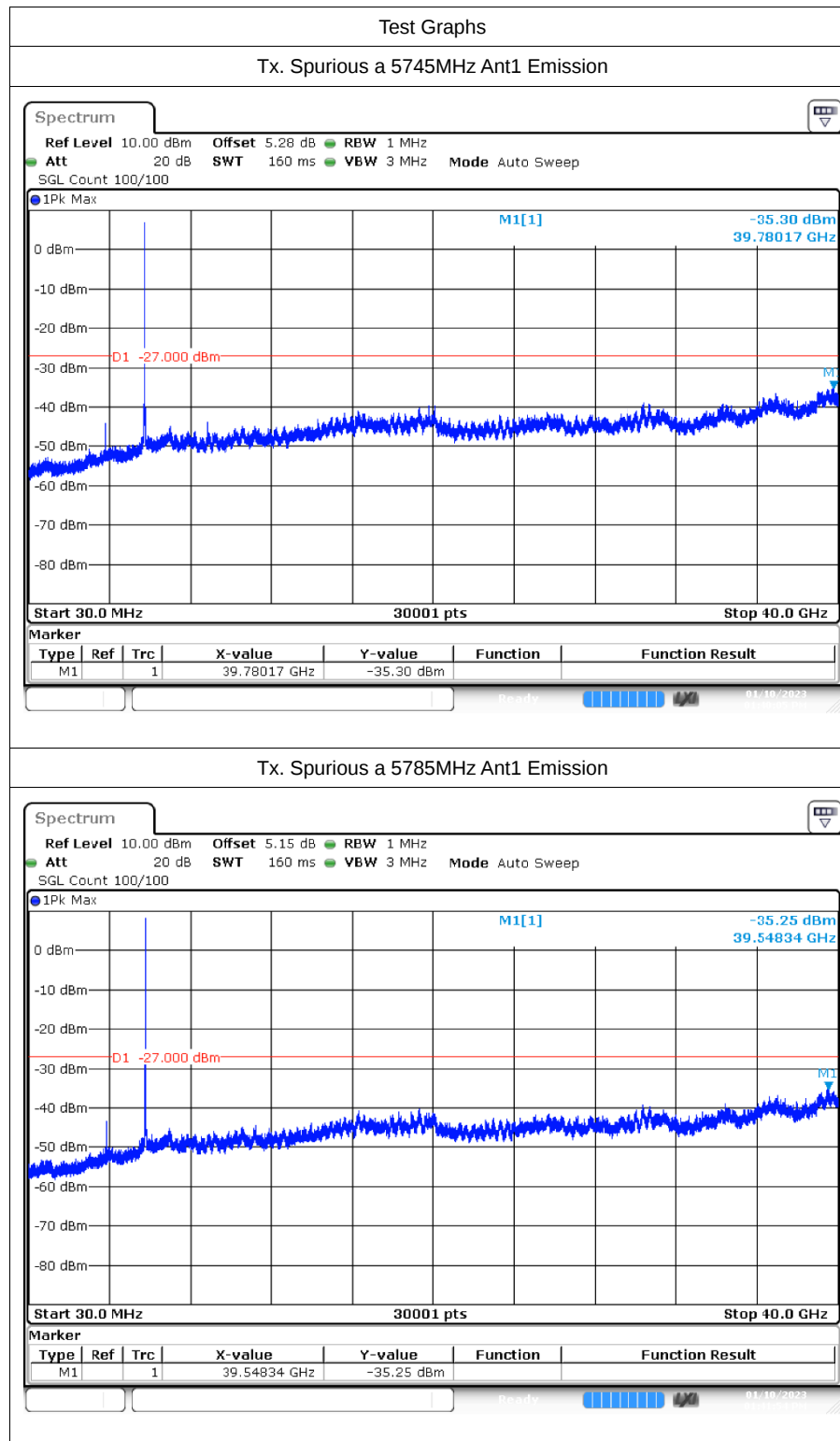


7 Conducted RF Spurious Emission

7.1 Test Result

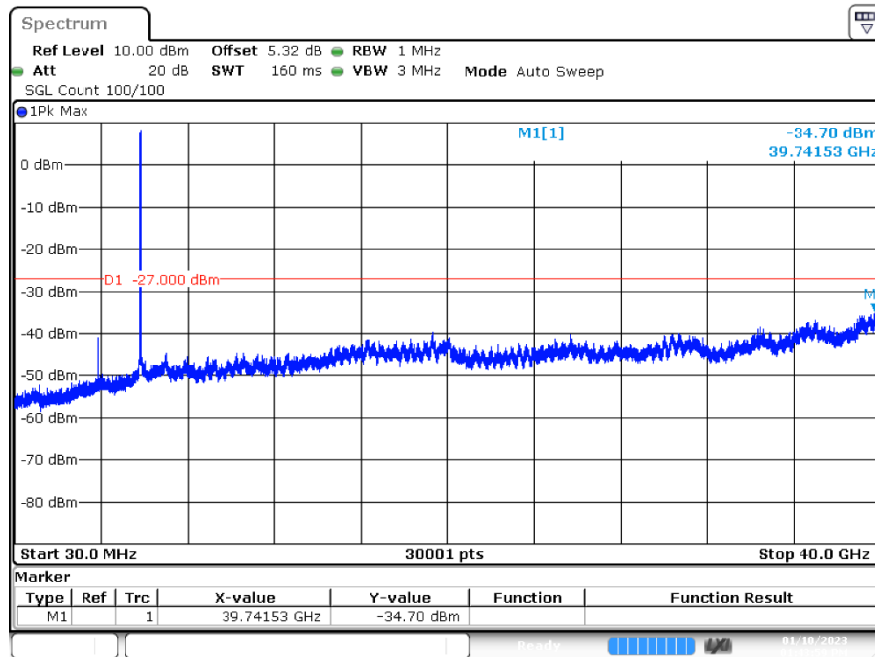
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5745	Ant1	-35.29	-27	Pass
a	5785	Ant1	-35.24	-27	Pass
a	5825	Ant1	-34.69	-27	Pass
n20	5745	Ant1	-35.04	-27	Pass
n20	5785	Ant1	-35.54	-27	Pass
n20	5825	Ant1	-34.86	-27	Pass
n40	5755	Ant1	-35.03	-27	Pass
n40	5795	Ant1	-35.54	-27	Pass
ac20	5745	Ant1	-34.8	-27	Pass
ac20	5785	Ant1	-35.37	-27	Pass
ac20	5825	Ant1	-35.5	-27	Pass
ac40	5755	Ant1	-34.9	-27	Pass
ac40	5795	Ant1	-35.05	-27	Pass
ac80	5775	Ant1	-34.94	-27	Pass

7.2 Test Graphs

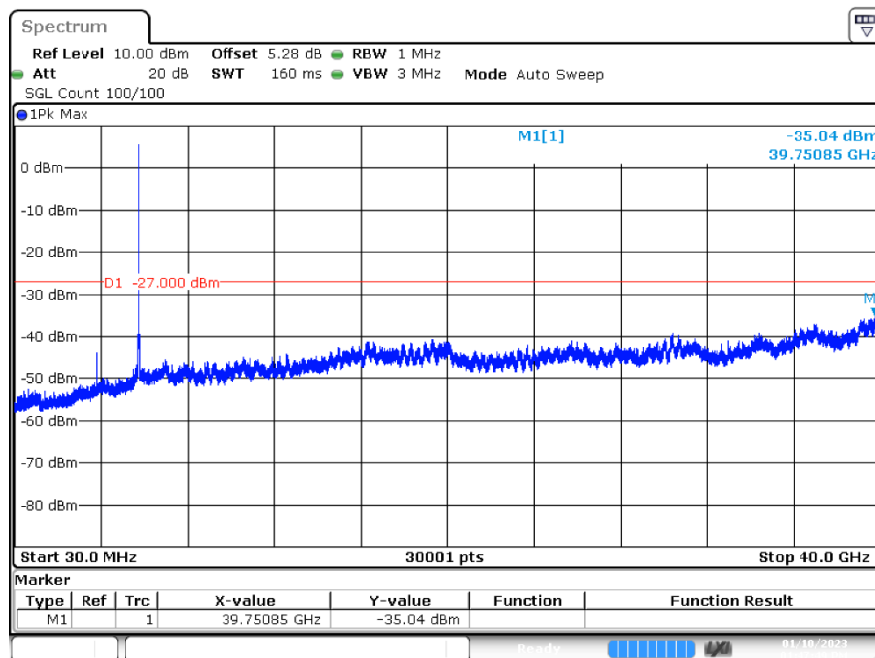




Tx. Spurious a 5825MHz Ant1 Emission

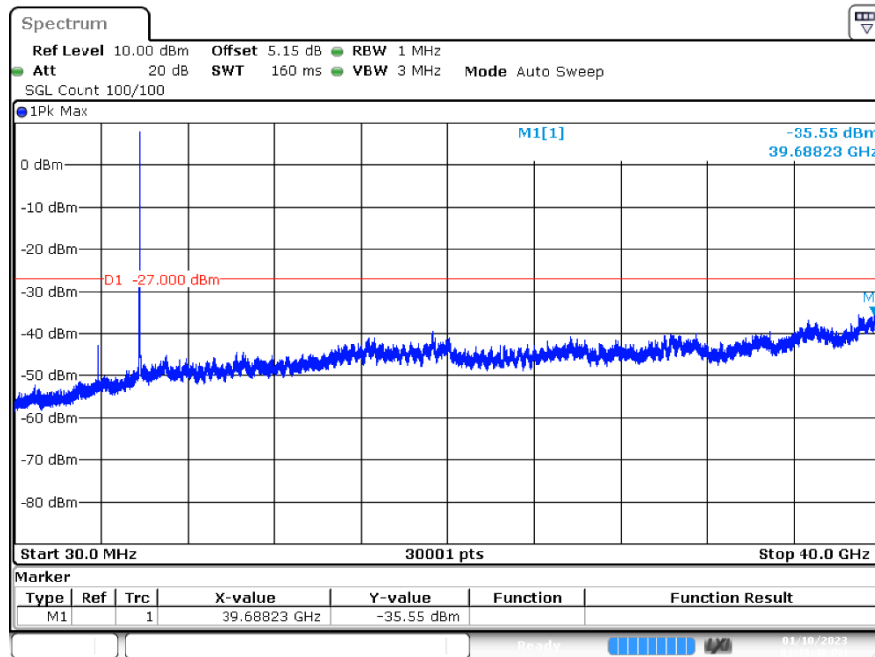


Tx. Spurious n20 5745MHz Ant1 Emission

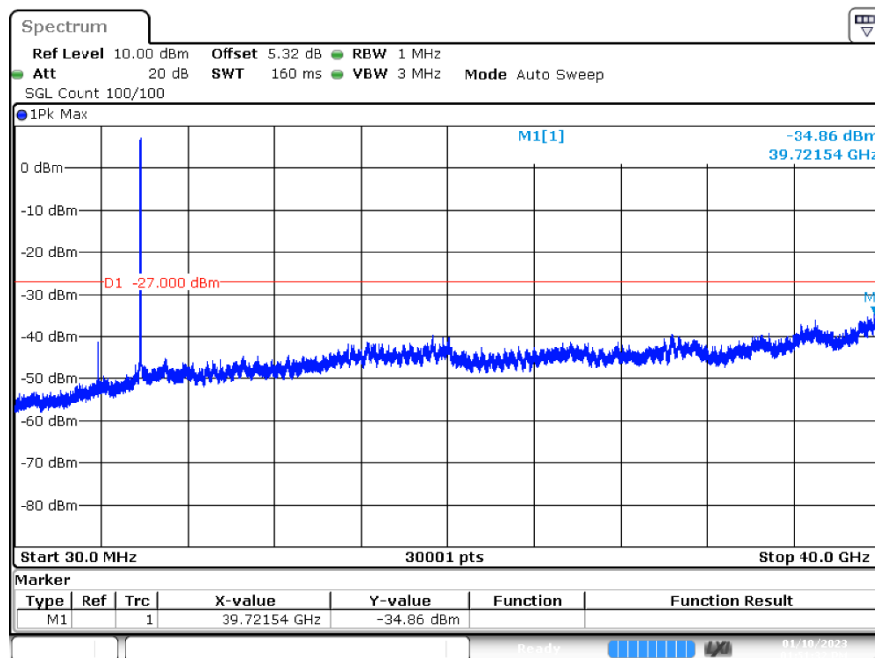




Tx. Spurious n20 5785MHz Ant1 Emission

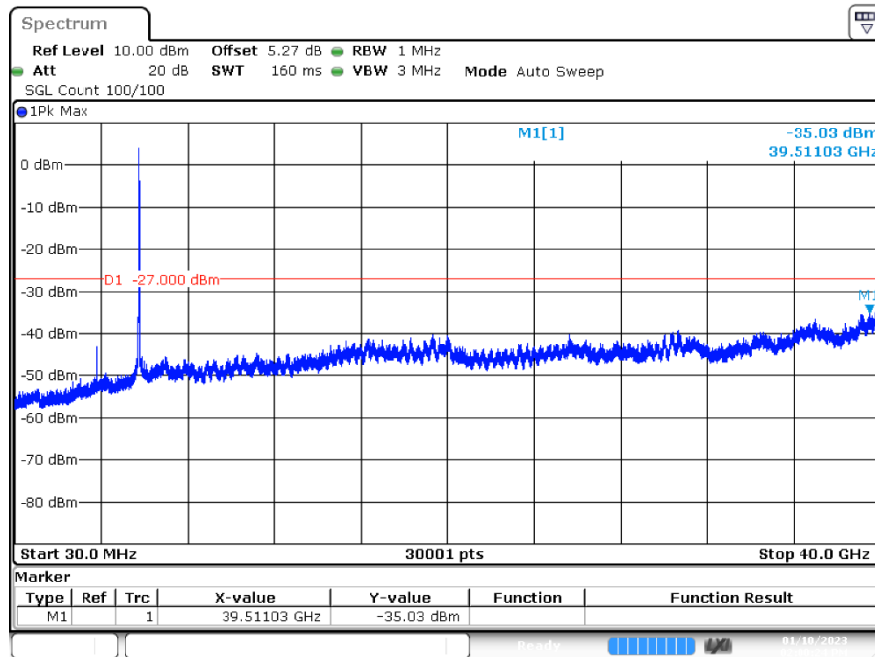


Tx. Spurious n20 5825MHz Ant1 Emission

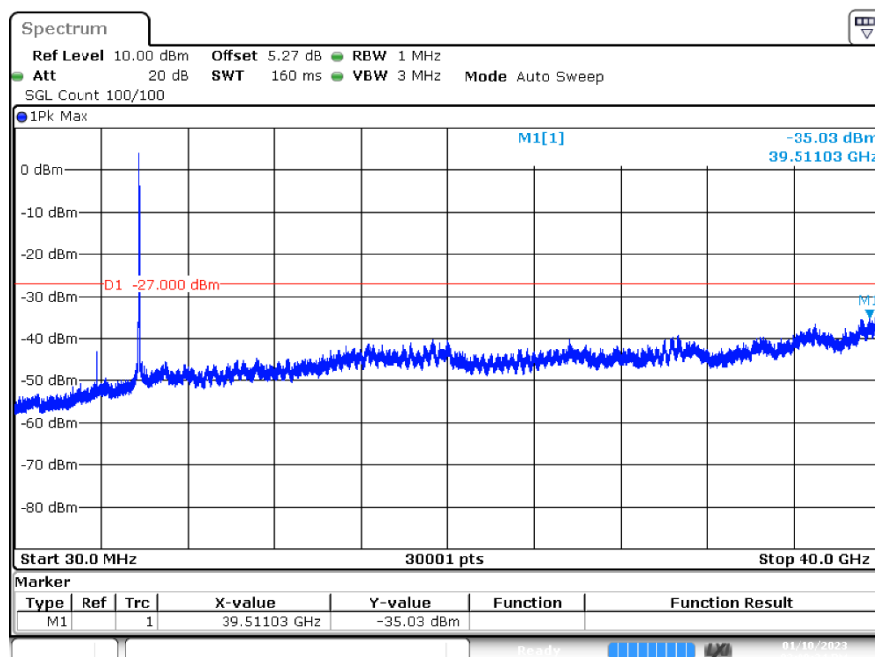




Tx. Spurious n40 5755MHz Ant1 Emission

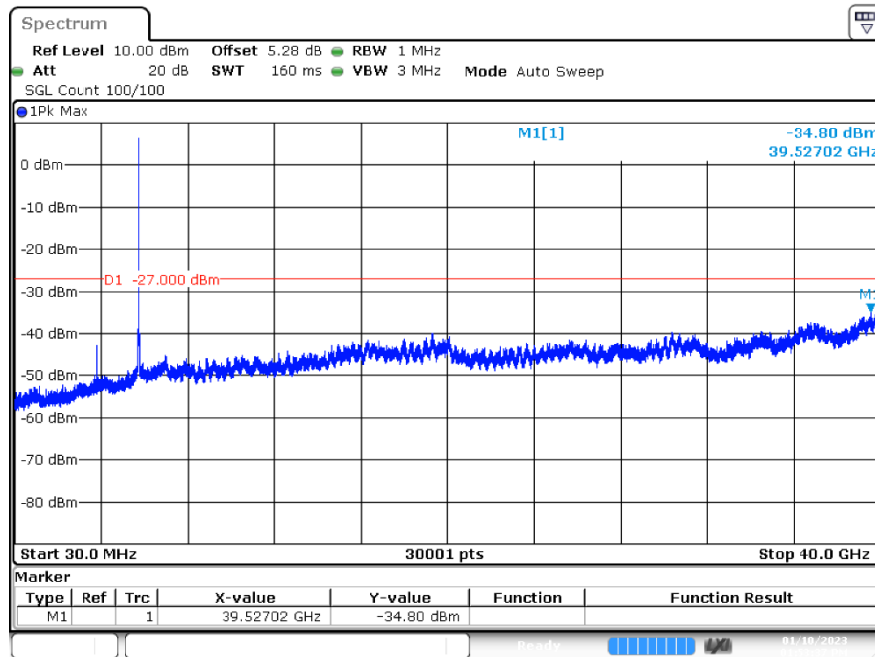


Tx. Spurious n40 5795MHz Ant1 Emission

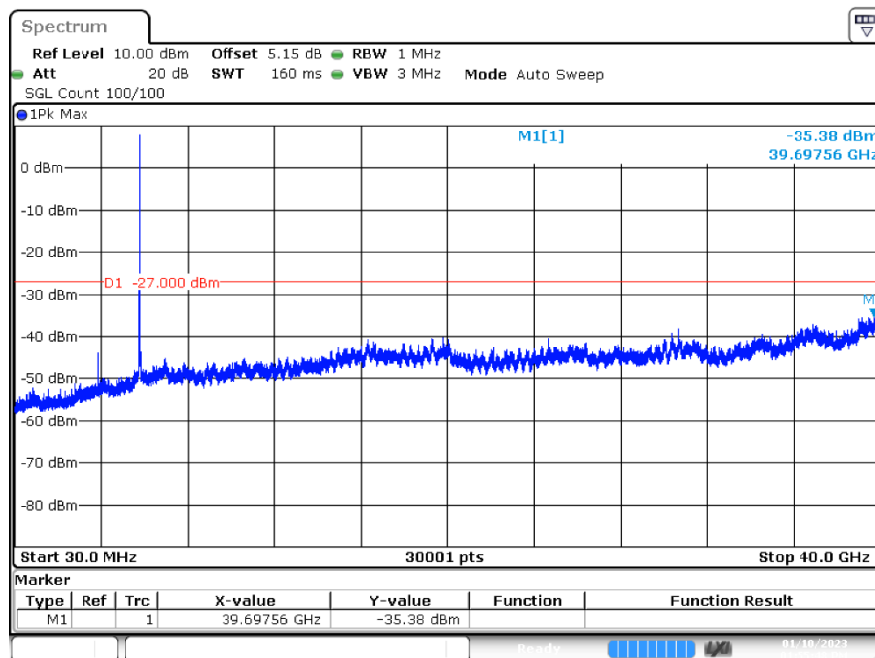




Tx. Spurious ac20 5745MHz Ant1 Emission

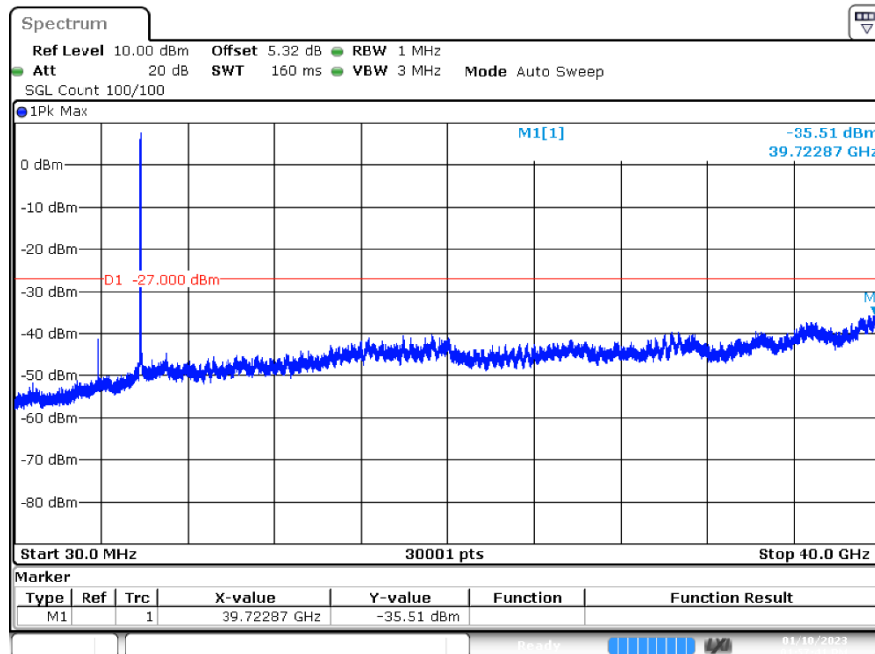


Tx. Spurious ac20 5785MHz Ant1 Emission

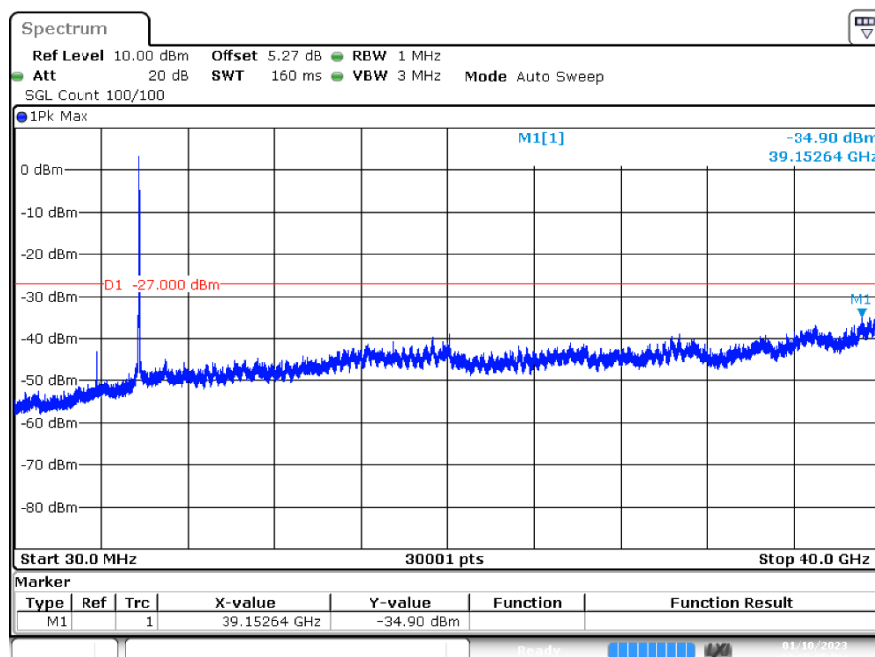




Tx. Spurious ac20 5825MHz Ant1 Emission

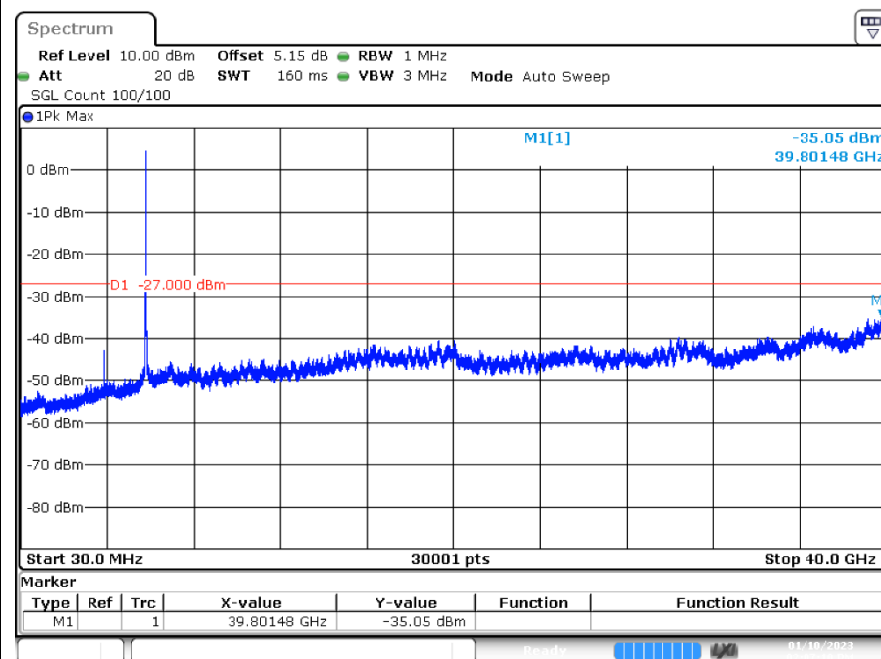


Tx. Spurious ac40 5755MHz Ant1 Emission

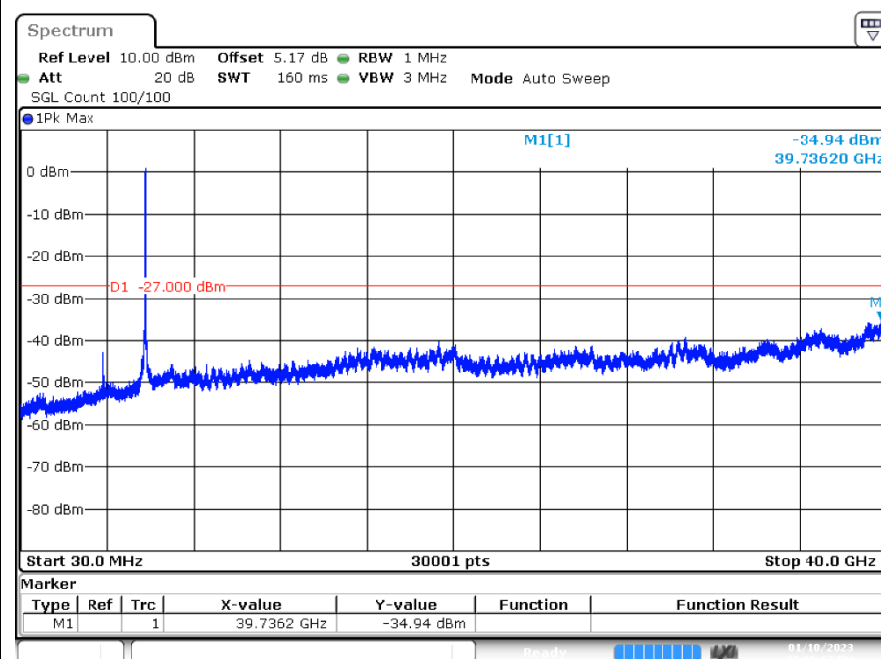




Tx. Spurious ac40 5795MHz Ant1 Emission



Tx. Spurious ac80 5775MHz Ant1 Emission





8 Restrict Band

8.1 Test Result

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	ERIP (dBm)	Detector	Limit (dBm/MHz)	Verdict
a	5745	Ant1	5650	-43.99	2	-41.99	Peak	-27	Pass
a	5745	Ant1	5650	-50.12	2	-48.12	Average	-27	Pass
a	5745	Ant1	5700	-41.87	2	-39.87	Peak	10	Pass
a	5745	Ant1	5700	-49.84	2	-47.84	Average	10	Pass
a	5745	Ant1	5720	-44.02	2	-42.02	Peak	15.6	Pass
a	5745	Ant1	5720	-49.16	2	-47.16	Average	15.6	Pass
a	5745	Ant1	5725	-42.03	2	-40.03	Peak	27	Pass
a	5745	Ant1	5725	-48.84	2	-46.84	Average	27	Pass
a	5825	Ant1	5850	-41.41	2	-39.41	Peak	27	Pass
a	5825	Ant1	5850	-49	2	-47	Average	27	Pass
a	5825	Ant1	5855	-42.44	2	-40.44	Peak	15.6	Pass
a	5825	Ant1	5855	-48.43	2	-46.43	Average	15.6	Pass
a	5825	Ant1	5875	-40.77	2	-38.77	Peak	10	Pass
a	5825	Ant1	5875	-48.3	2	-46.3	Average	10	Pass
a	5825	Ant1	5925	-41.24	2	-39.24	Peak	-27	Pass
a	5825	Ant1	5925	-49.27	2	-47.27	Average	-27	Pass
n20	5745	Ant1	5650	-42.76	2	-40.76	Peak	-27	Pass
n20	5745	Ant1	5650	-50.44	2	-48.44	Average	-27	Pass
n20	5745	Ant1	5700	-41.83	2	-39.83	Peak	10	Pass
n20	5745	Ant1	5700	-49.56	2	-47.56	Average	10	Pass
n20	5745	Ant1	5720	-42.39	2	-40.39	Peak	15.6	Pass
n20	5745	Ant1	5720	-48.83	2	-46.83	Average	15.6	Pass
n20	5745	Ant1	5725	-41.8	2	-39.8	Peak	27	Pass
n20	5745	Ant1	5725	-48.96	2	-46.96	Average	27	Pass
n20	5825	Ant1	5850	-41.05	2	-39.05	Peak	27	Pass
n20	5825	Ant1	5850	-48.7	2	-46.7	Average	27	Pass
n20	5825	Ant1	5855	-40.68	2	-38.68	Peak	15.6	Pass
n20	5825	Ant1	5855	-48.44	2	-46.44	Average	15.6	Pass
n20	5825	Ant1	5875	-41.98	2	-39.98	Peak	10	Pass
n20	5825	Ant1	5875	-48.68	2	-46.68	Average	10	Pass
n20	5825	Ant1	5925	-42.76	2	-40.76	Peak	-27	Pass
n20	5825	Ant1	5925	-49.34	2	-47.34	Average	-27	Pass
n40	5755	Ant1	5650	-41.4	2	-39.4	Peak	-27	Pass
n40	5755	Ant1	5650	-49.7	2	-47.7	Average	-27	Pass
n40	5755	Ant1	5700	-42.29	2	-40.29	Peak	10	Pass
n40	5755	Ant1	5700	-48.97	2	-46.97	Average	10	Pass

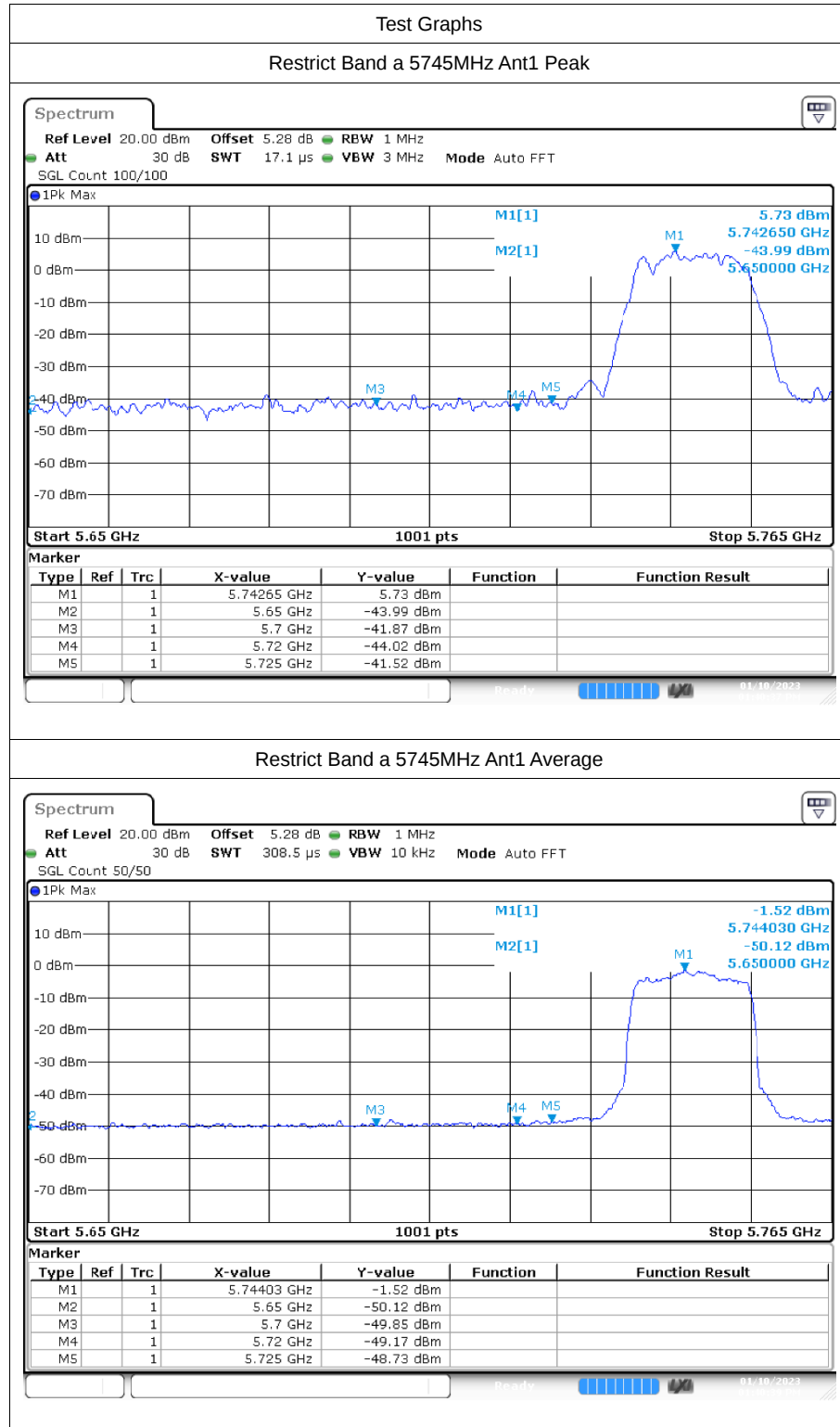


n40	5755	Ant1	5720	-38.31	2	-36.31	Peak	15.6	Pass
n40	5755	Ant1	5720	-47.2	2	-45.2	Average	15.6	Pass
n40	5755	Ant1	5725	-41.14	2	-39.14	Peak	27	Pass
n40	5755	Ant1	5725	-46.07	2	-44.07	Average	27	Pass
n40	5795	Ant1	5850	-41.47	2	-39.47	Peak	27	Pass
n40	5795	Ant1	5850	-49.31	2	-47.31	Average	27	Pass
n40	5795	Ant1	5855	-42.37	2	-40.37	Peak	15.6	Pass
n40	5795	Ant1	5855	-48.92	2	-46.92	Average	15.6	Pass
n40	5795	Ant1	5875	-41.88	2	-39.88	Peak	10	Pass
n40	5795	Ant1	5875	-48.54	2	-46.54	Average	10	Pass
n40	5795	Ant1	5925	-42.3	2	-40.3	Peak	-27	Pass
n40	5795	Ant1	5925	-49.64	2	-47.64	Average	-27	Pass
ac20	5745	Ant1	5650	-41.71	2	-39.71	Peak	-27	Pass
ac20	5745	Ant1	5650	-49.95	2	-47.95	Average	-27	Pass
ac20	5745	Ant1	5700	-41.46	2	-39.46	Peak	10	Pass
ac20	5745	Ant1	5700	-50.03	2	-48.03	Average	10	Pass
ac20	5745	Ant1	5720	-40.65	2	-38.65	Peak	15.6	Pass
ac20	5745	Ant1	5720	-48.78	2	-46.78	Average	15.6	Pass
ac20	5745	Ant1	5725	-39.32	2	-37.32	Peak	27	Pass
ac20	5745	Ant1	5725	-49.25	2	-47.25	Average	27	Pass
ac20	5825	Ant1	5850	-41.94	2	-39.94	Peak	27	Pass
ac20	5825	Ant1	5850	-48.77	2	-46.77	Average	27	Pass
ac20	5825	Ant1	5855	-43.4	2	-41.4	Peak	15.6	Pass
ac20	5825	Ant1	5855	-49.15	2	-47.15	Average	15.6	Pass
ac20	5825	Ant1	5875	-42.97	2	-40.97	Peak	10	Pass
ac20	5825	Ant1	5875	-49.06	2	-47.06	Average	10	Pass
ac20	5825	Ant1	5925	-41.7	2	-39.7	Peak	-27	Pass
ac20	5825	Ant1	5925	-49.33	2	-47.33	Average	-27	Pass
ac40	5755	Ant1	5650	-43.91	2	-41.91	Peak	-27	Pass
ac40	5755	Ant1	5650	-49.9	2	-47.9	Average	-27	Pass
ac40	5755	Ant1	5700	-41.46	2	-39.46	Peak	10	Pass
ac40	5755	Ant1	5700	-50.1	2	-48.1	Average	10	Pass
ac40	5755	Ant1	5720	-39.27	2	-37.27	Peak	15.6	Pass
ac40	5755	Ant1	5720	-46.46	2	-44.46	Average	15.6	Pass
ac40	5755	Ant1	5725	-37.63	2	-35.63	Peak	27	Pass
ac40	5755	Ant1	5725	-46.36	2	-44.36	Average	27	Pass
ac40	5795	Ant1	5850	-42.12	2	-40.12	Peak	27	Pass
ac40	5795	Ant1	5850	-49.08	2	-47.08	Average	27	Pass
ac40	5795	Ant1	5855	-41.12	2	-39.12	Peak	15.6	Pass
ac40	5795	Ant1	5855	-49.21	2	-47.21	Average	15.6	Pass
ac40	5795	Ant1	5875	-41.32	2	-39.32	Peak	10	Pass
ac40	5795	Ant1	5875	-49.56	2	-47.56	Average	10	Pass
ac40	5795	Ant1	5925	-42.06	2	-40.06	Peak	-27	Pass



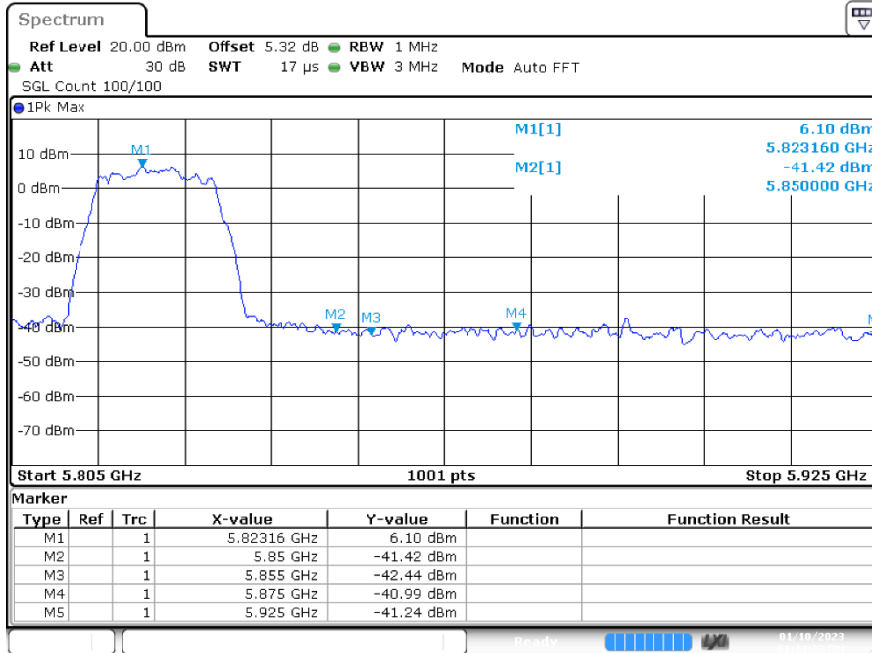
ac40	5795	Ant1	5925	-49.05	2	-47.05	Average	-27	Pass
ac80	5775	Ant1	0	-40.56	4.01	-36.55	Peak	0	Pass
ac80	5775	Ant1	0	-47.2	4.01	-43.19	Average	0	Pass
ac80	5775	Ant1	5650	-42.33	2	-40.33	Peak	-27	Pass
ac80	5775	Ant1	5650	-49.3	2	-47.3	Average	-27	Pass
ac80	5775	Ant1	5700	-41.03	2	-39.03	Peak	10	Pass
ac80	5775	Ant1	5700	-48.12	2	-46.12	Average	10	Pass
ac80	5775	Ant1	5720	-39.09	2	-37.09	Peak	15.6	Pass
ac80	5775	Ant1	5720	-46.78	2	-44.78	Average	15.6	Pass
ac80	5775	Ant1	5725	-39.33	2	-37.33	Peak	27	Pass
ac80	5775	Ant1	5725	-47.66	2	-45.66	Average	27	Pass
ac80	5775	Ant1	5850	-43.47	2	-41.47	Peak	27	Pass
ac80	5775	Ant1	5850	-49.01	2	-47.01	Average	27	Pass
ac80	5775	Ant1	5855	-41.04	2	-39.04	Peak	15.6	Pass
ac80	5775	Ant1	5855	-49.76	2	-47.76	Average	15.6	Pass
ac80	5775	Ant1	5875	-41.05	2	-39.05	Peak	10	Pass
ac80	5775	Ant1	5875	-47.96	2	-45.96	Average	10	Pass
ac80	5775	Ant1	5925	-40.09	2	-38.09	Peak	-27	Pass
ac80	5775	Ant1	5925	-49.42	2	-47.42	Average	-27	Pass

8.2 Test Graphs

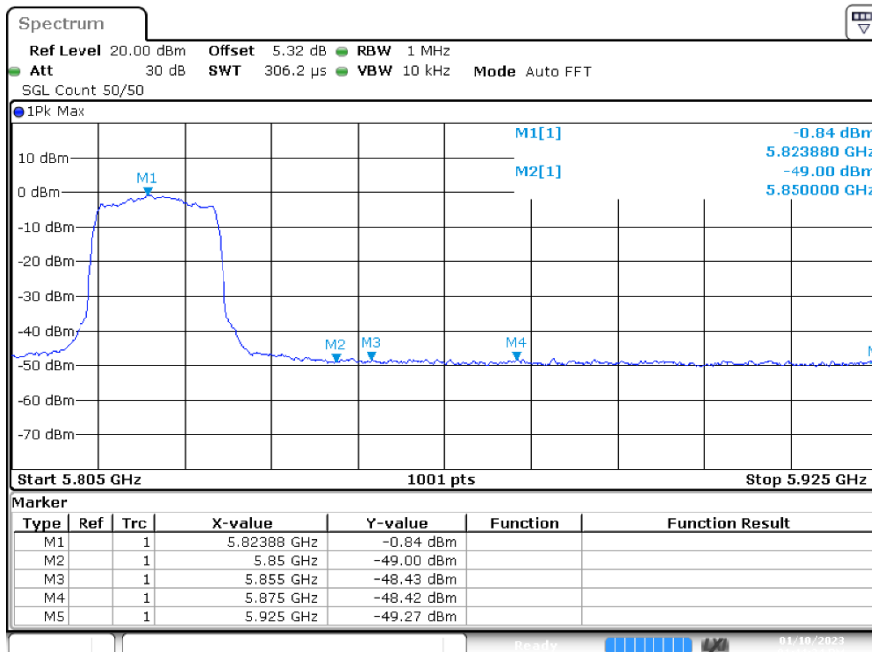




Restrict Band a 5825MHz Ant1 Peak

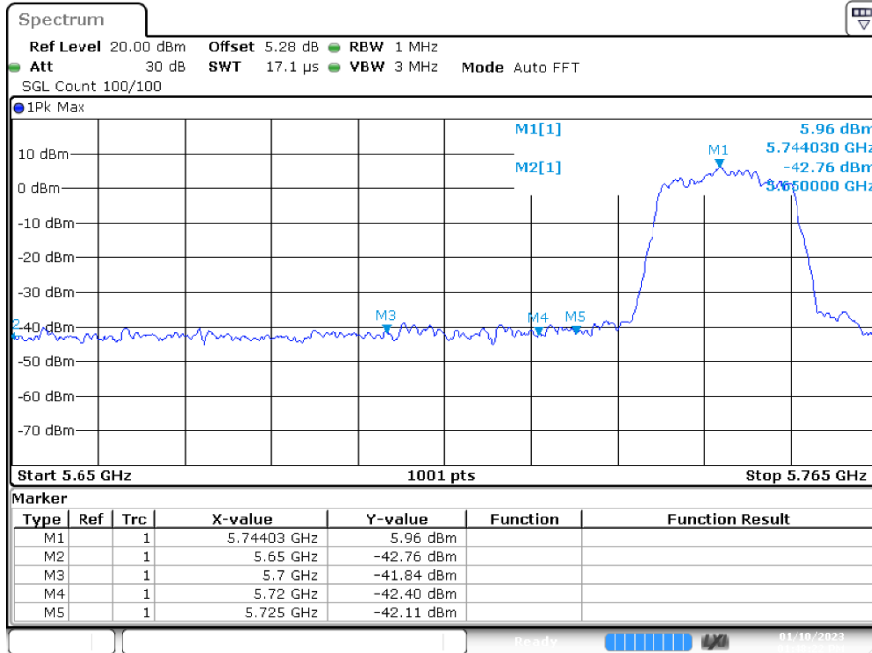


Restrict Band a 5825MHz Ant1 Average

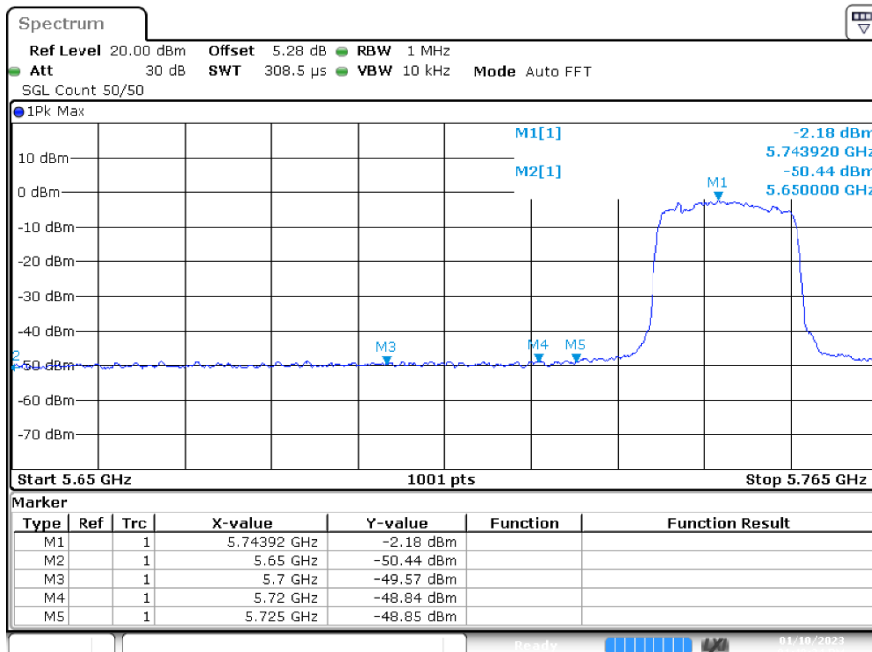




Restrict Band n20 5745MHz Ant1 Peak

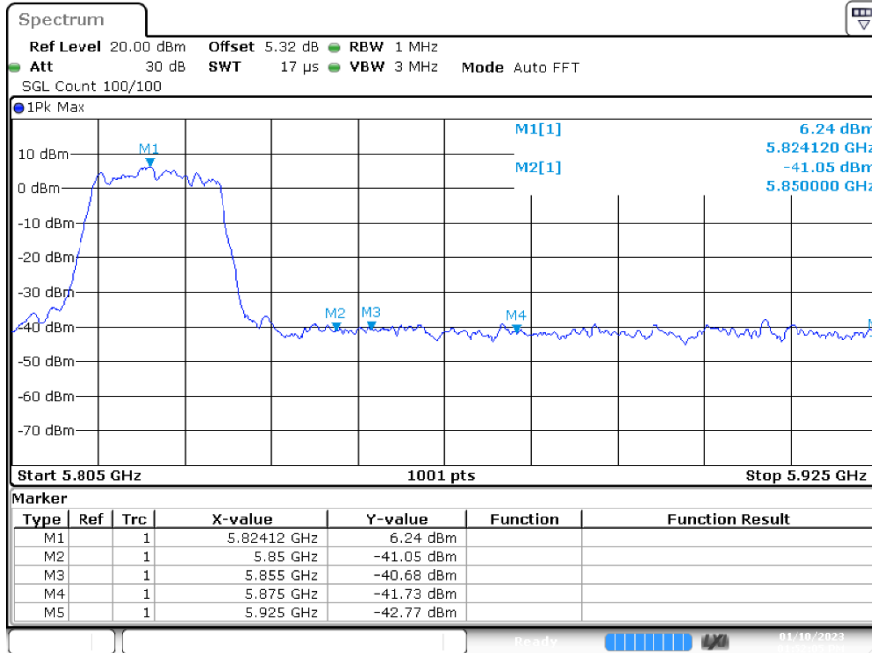


Restrict Band n20 5745MHz Ant1 Average

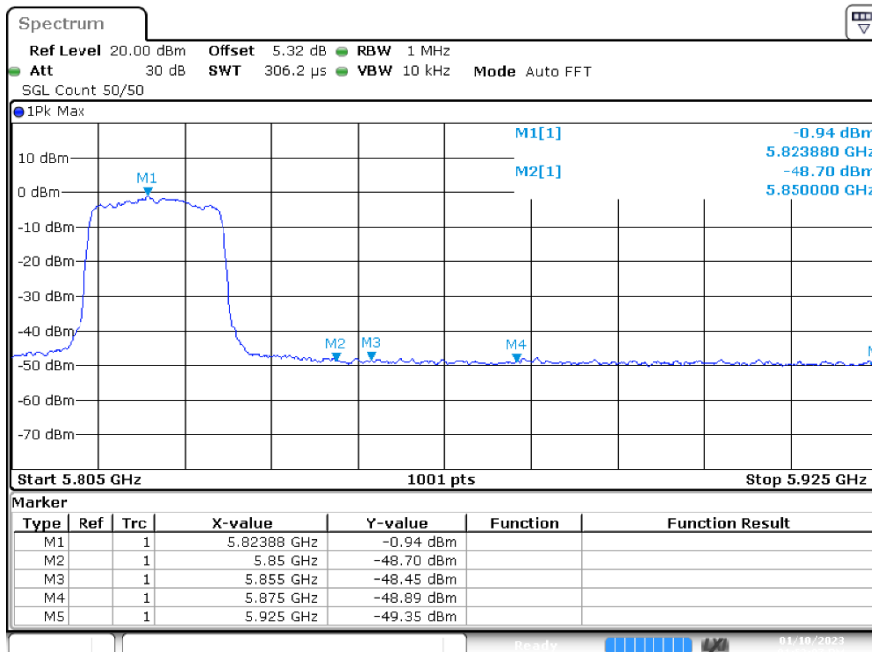




Restrict Band n20 5825MHz Ant1 Peak

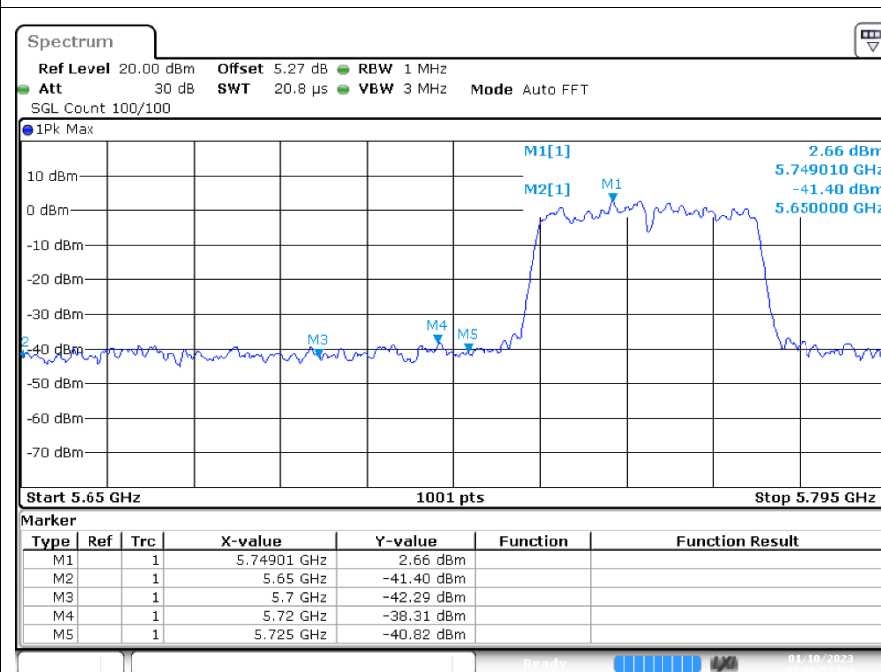


Restrict Band n20 5825MHz Ant1 Average

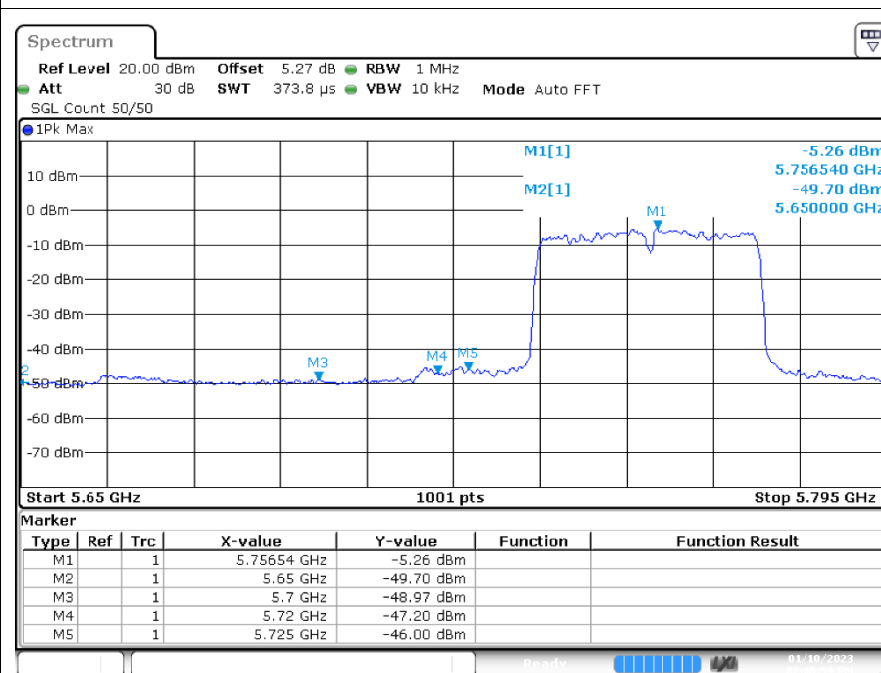




Restrict Band n40 5755MHz Ant1 Peak

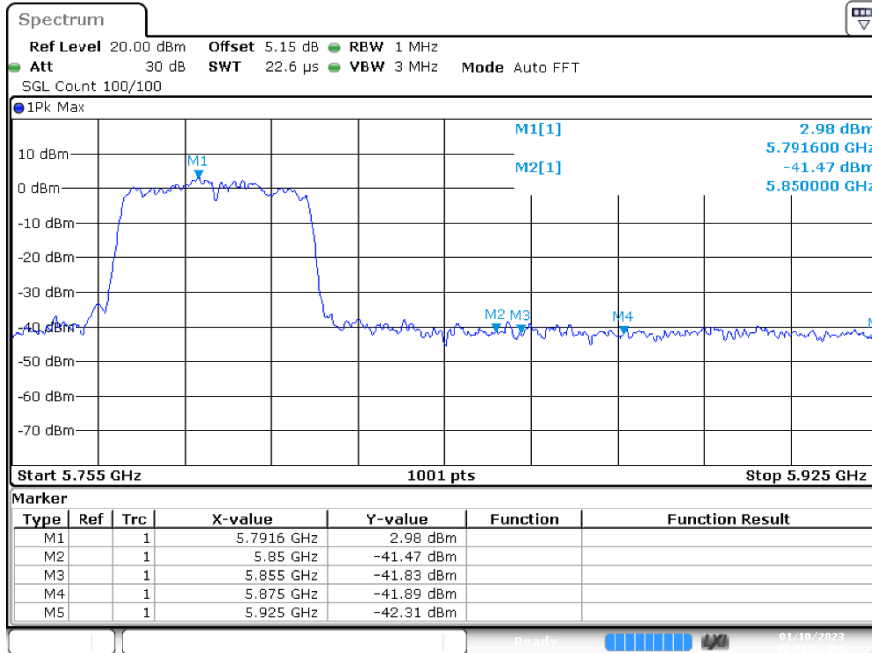


Restrict Band n40 5755MHz Ant1 Average

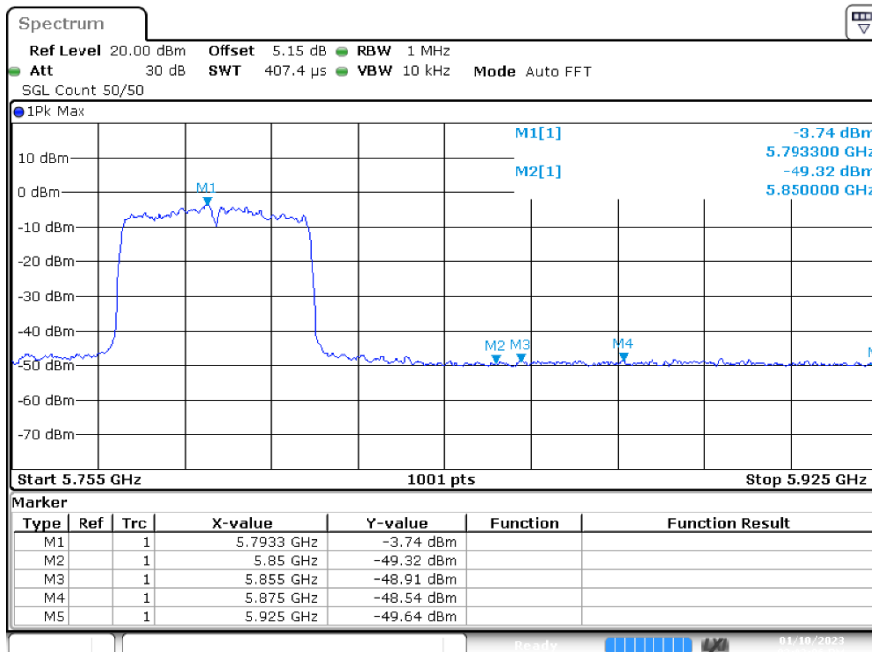




Restrict Band n40 5795MHz Ant1 Peak

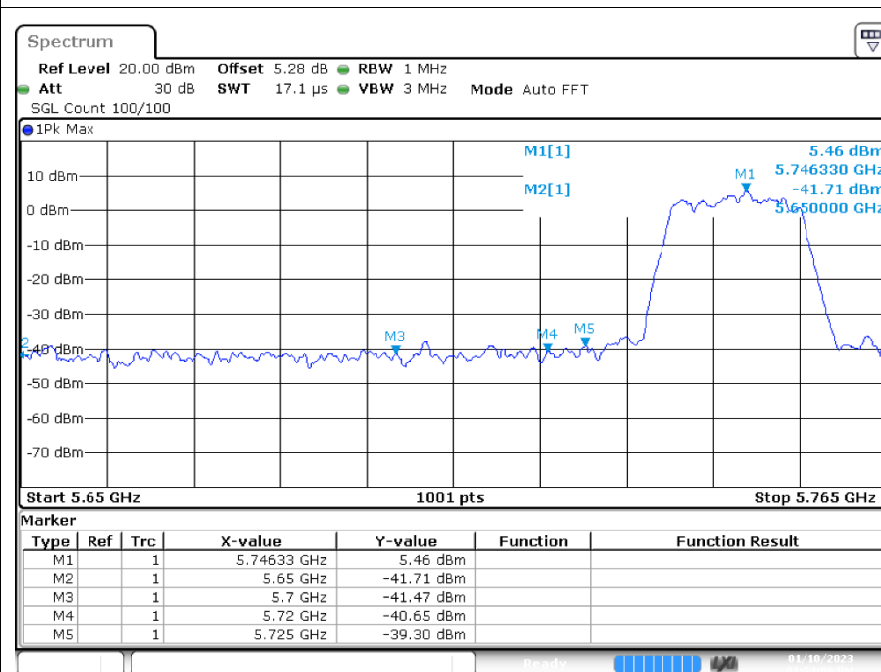


Restrict Band n40 5795MHz Ant1 Average

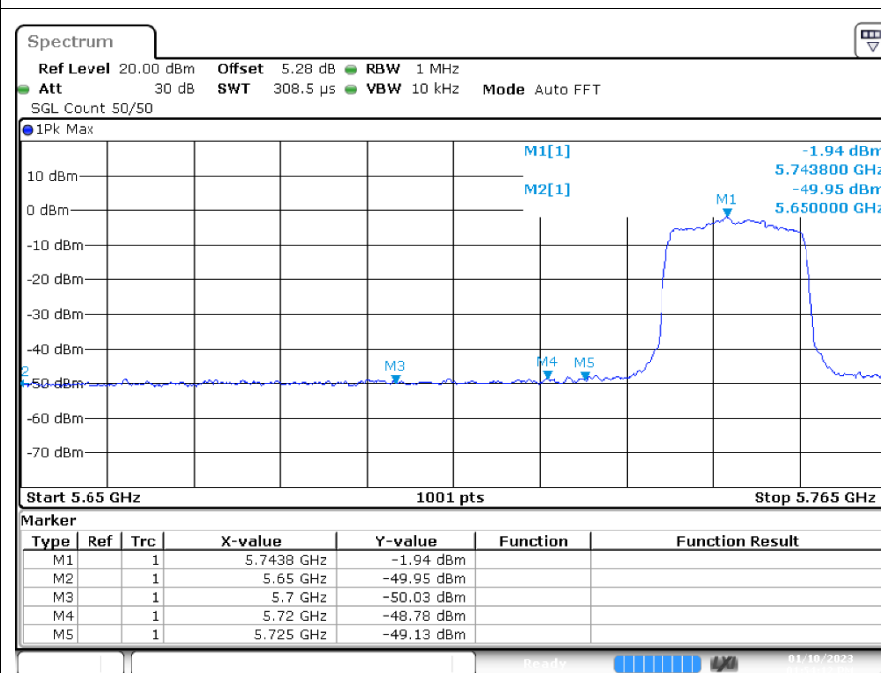




Restrict Band ac20 5745MHz Ant1 Peak

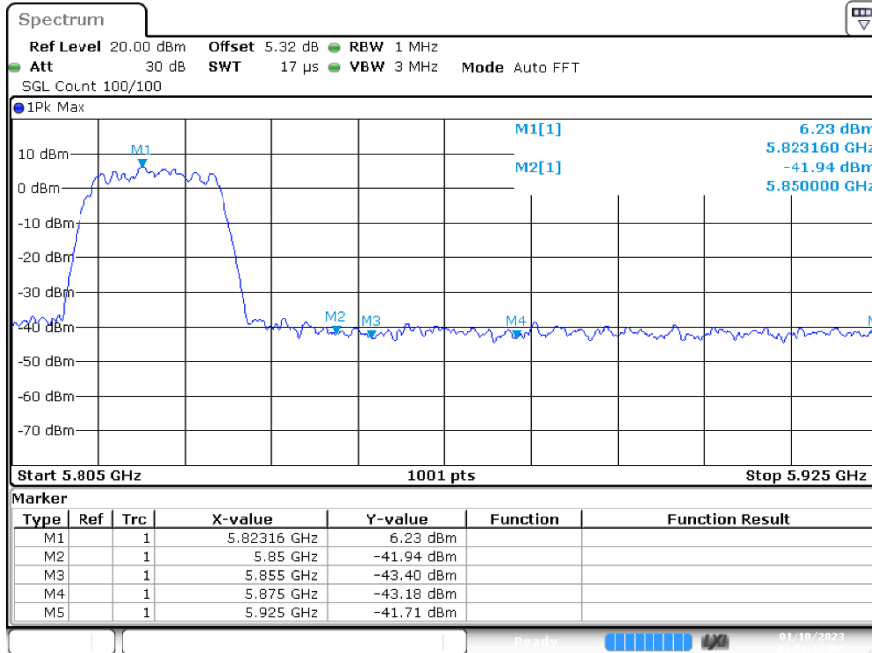


Restrict Band ac20 5745MHz Ant1 Average

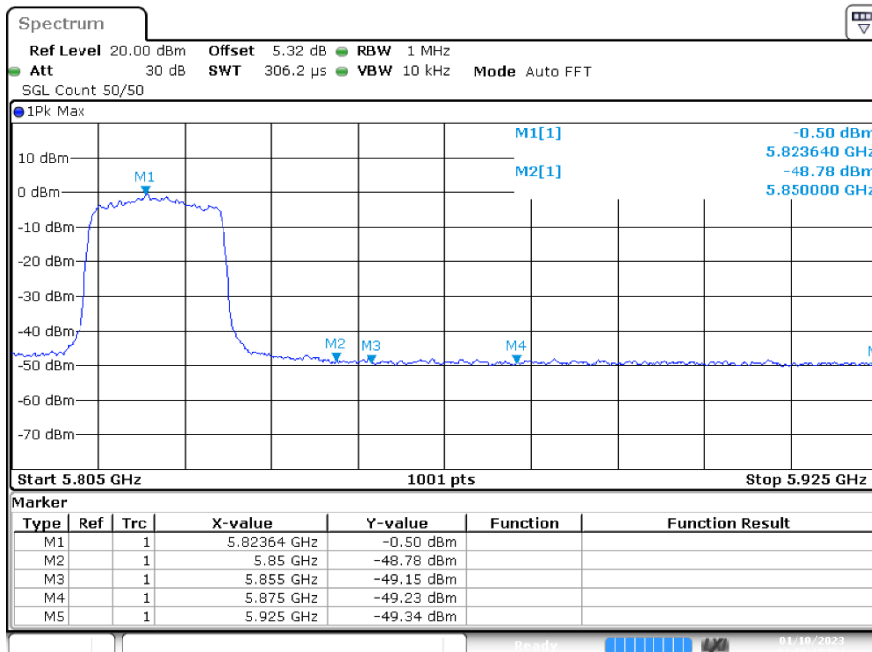




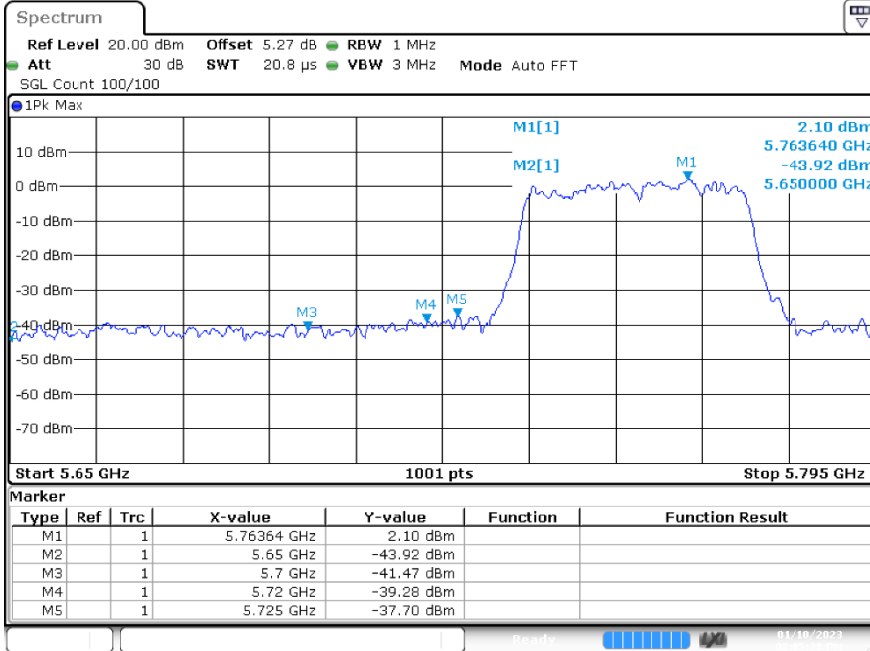
Restrict Band ac20 5825MHz Ant1 Peak



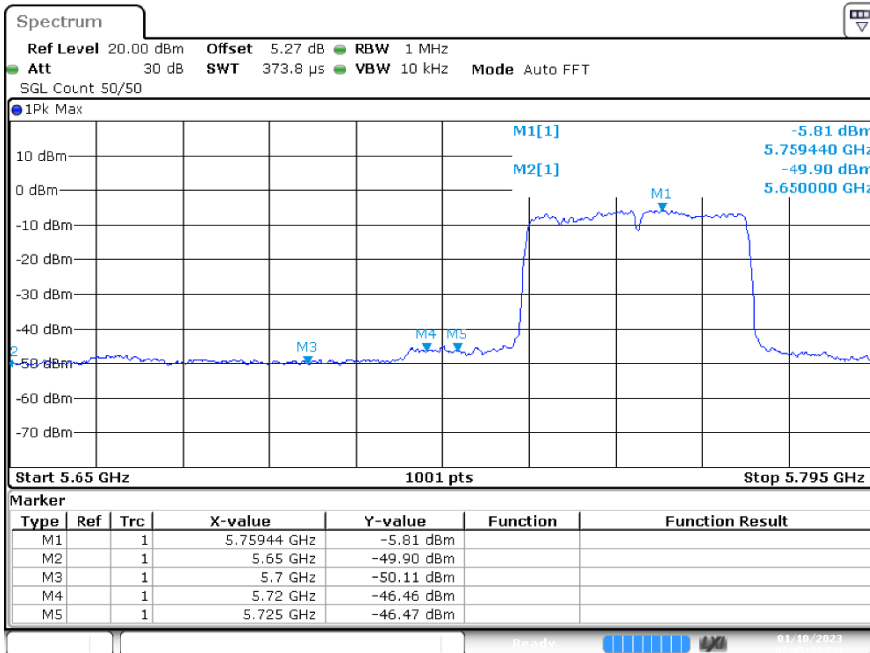
Restrict Band ac20 5825MHz Ant1 Average



Restrict Band ac40 5755MHz Ant1 Peak

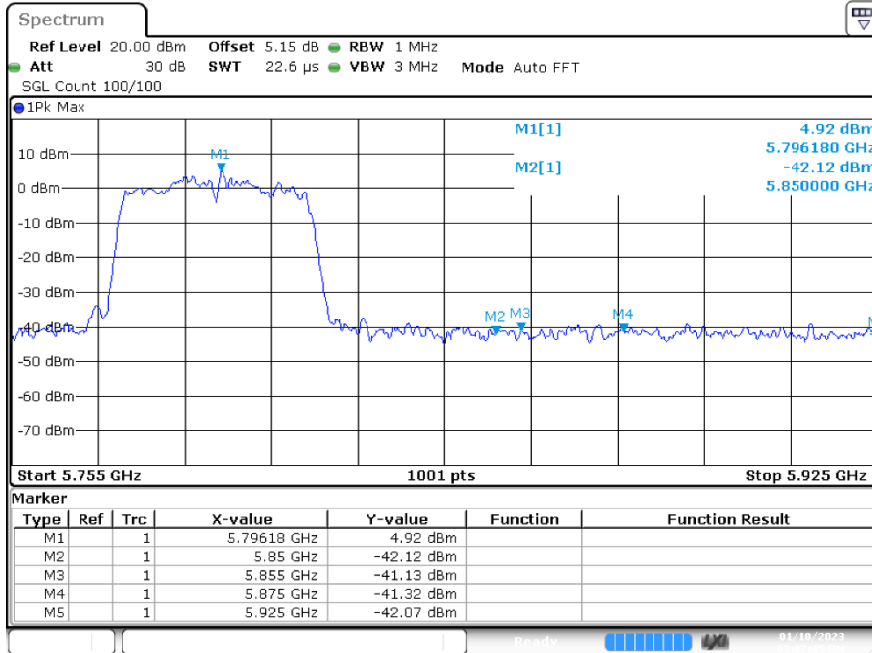


Restrict Band ac40 5755MHz Ant1 Average

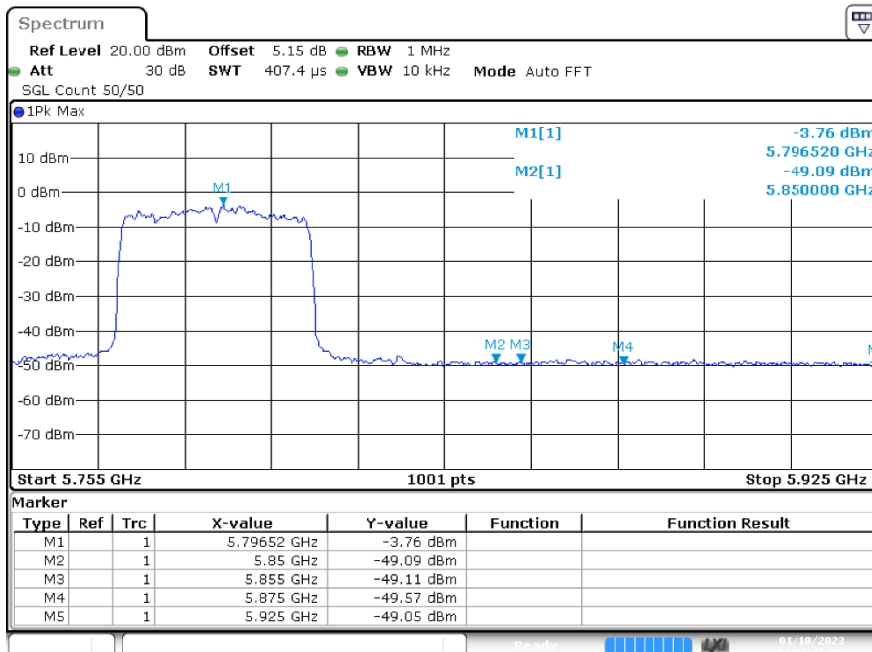




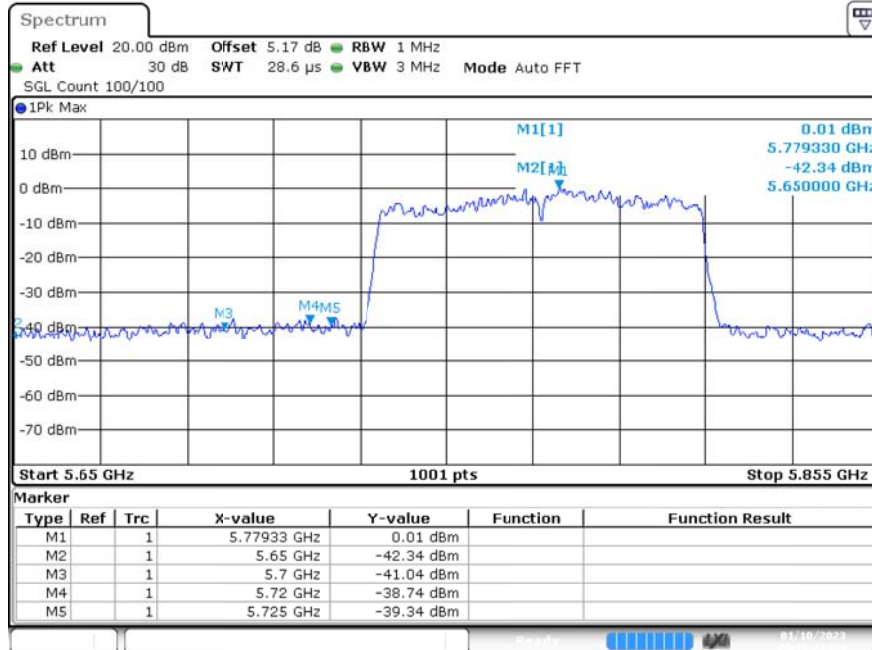
Restrict Band ac40 5795MHz Ant1 Peak



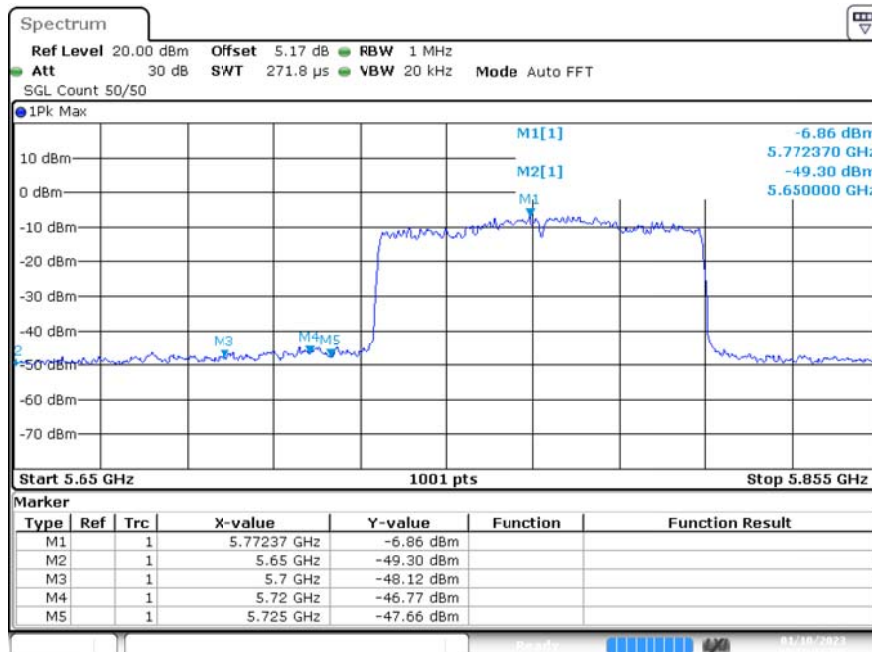
Restrict Band ac40 5795MHz Ant1 Average



Restrict Band ac80 5775MHz Ant1 Peak

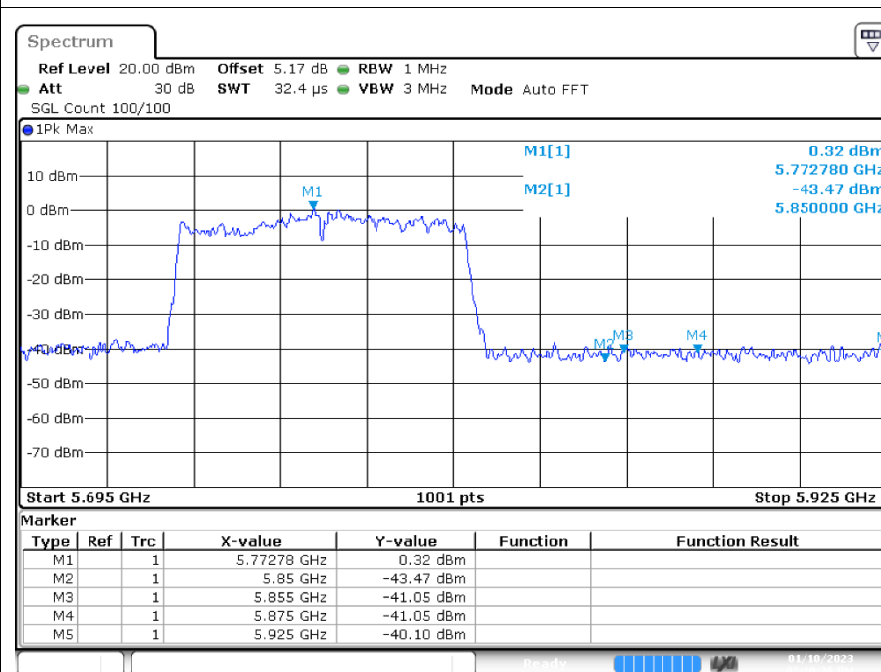


Restrict Band ac80 5775MHz Ant1 Average

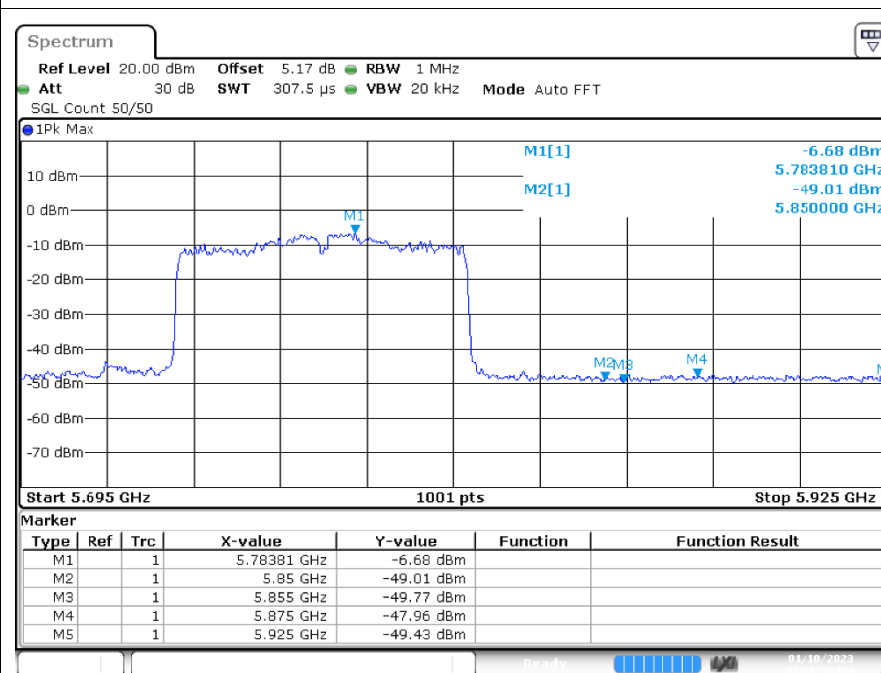




Restrict Band ac80 5775MHz Ant1 Peak



Restrict Band ac80 5775MHz Ant1 Average



---The End---