



Appendix RF test data for WIFI5.8G

Product Name: 15.6 PC Tablet

Trade Mark: N/A

Test Model: F15

Environmental Conditions

Temperature:	25.2° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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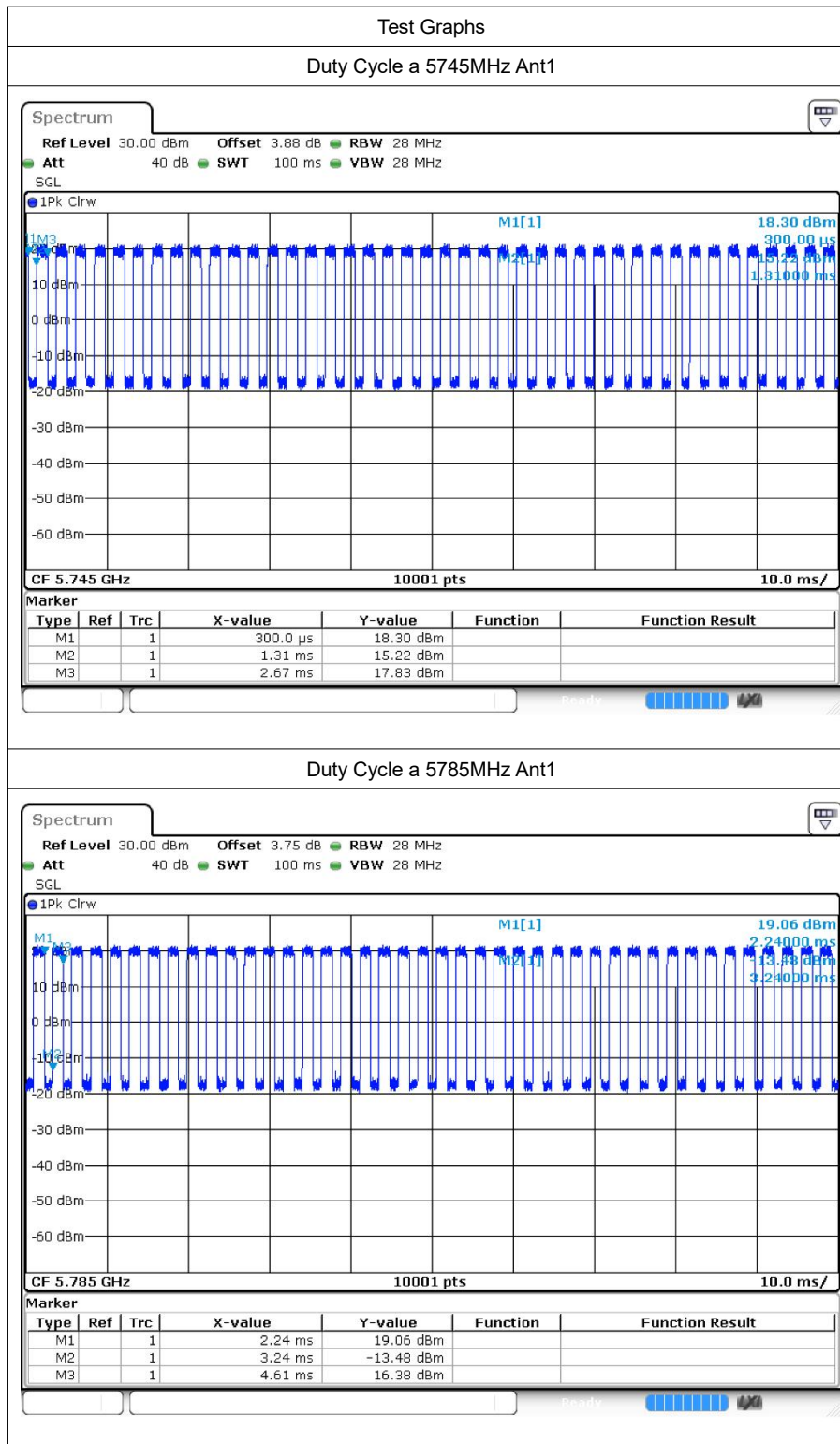
1 Duty Cycle

1.1 Test Result

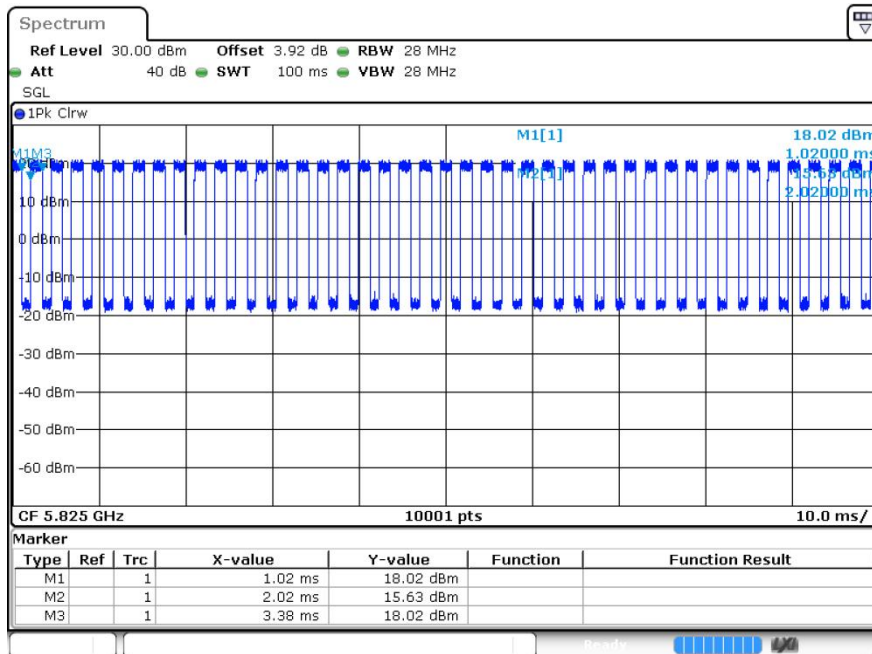
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	57.95	2.37	0.74
a	5785	Ant1	57.69	2.39	0.73
a	5825	Ant1	58.24	2.35	0.74
a	5745	Ant2	58.44	2.33	0.74
a	5785	Ant2	58.23	2.35	0.74
a	5825	Ant2	58.47	2.33	0.74
n20	5745	Ant1	56.42	2.49	0.78
n20	5785	Ant1	56.41	2.49	0.79
n20	5825	Ant1	56.75	2.46	0.79
n20	5745	Ant2	56.64	2.47	0.79
n20	5785	Ant2	56.27	2.5	0.79
n20	5825	Ant2	56.86	2.45	0.79
n40	5755	Ant1	39.21	4.07	1.59
n40	5795	Ant1	39.62	4.02	1.59
n40	5755	Ant2	39.51	4.03	1.59
n40	5795	Ant2	39.72	4.01	1.59
ac20	5745	Ant1	56.25	2.5	0.78
ac20	5785	Ant1	56.5	2.48	0.78
ac20	5825	Ant1	56.36	2.49	0.78
ac20	5745	Ant2	56.38	2.49	0.78
ac20	5785	Ant2	56.61	2.47	0.78
ac20	5825	Ant2	56.25	2.5	0.78
ac40	5755	Ant1	39.53	4.03	1.56
ac40	5795	Ant1	39.45	4.04	1.59
ac40	5755	Ant2	39.71	4.01	1.56
ac40	5795	Ant2	39.4	4.05	1.56
ac80	5775	Ant1	37.62	4.25	1.69
ac80	5775	Ant2	37.75	4.23	1.69



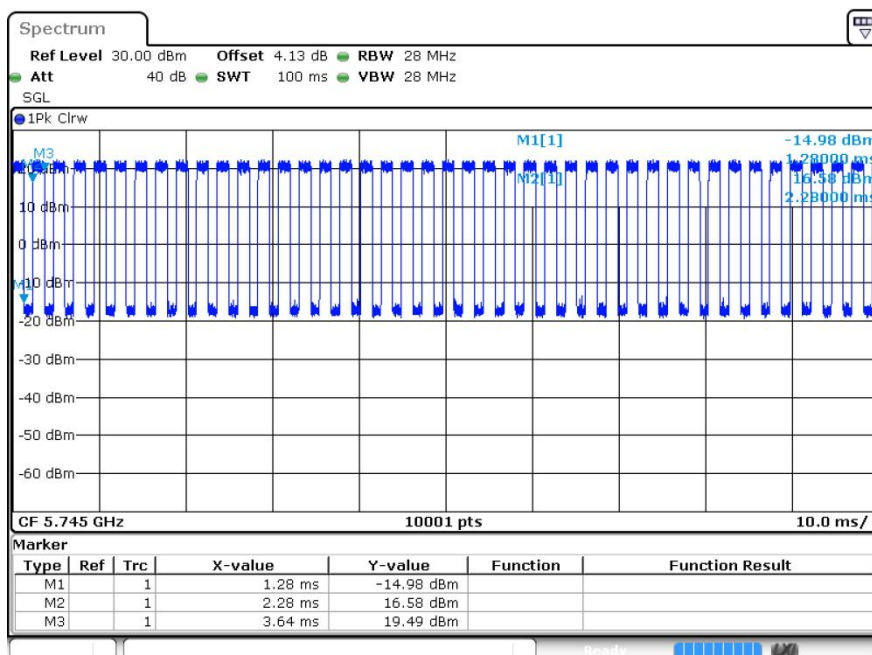
1.2 Test Graphs



Duty Cycle a 5825MHz Ant1



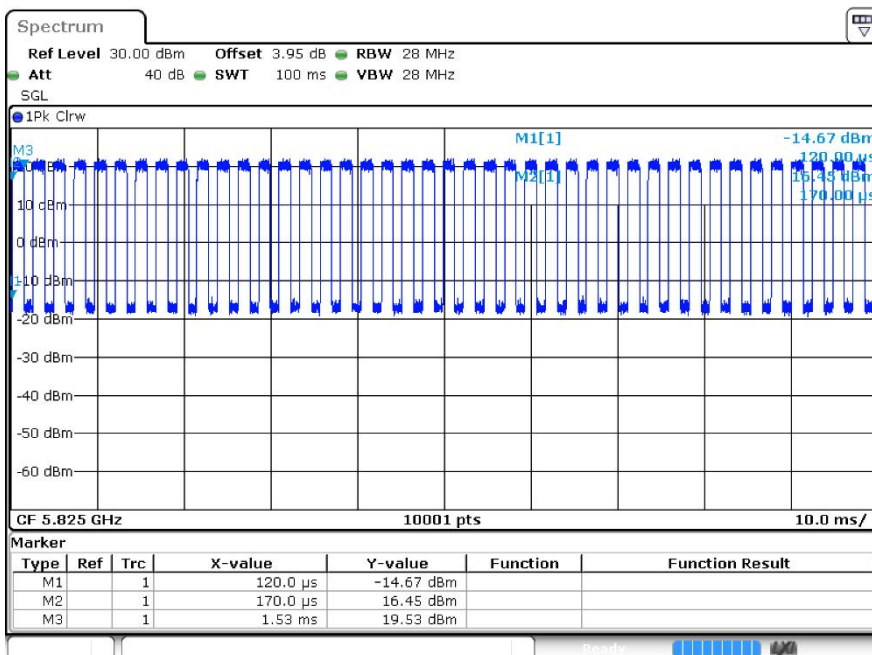
Duty Cycle a 5745MHz Ant2



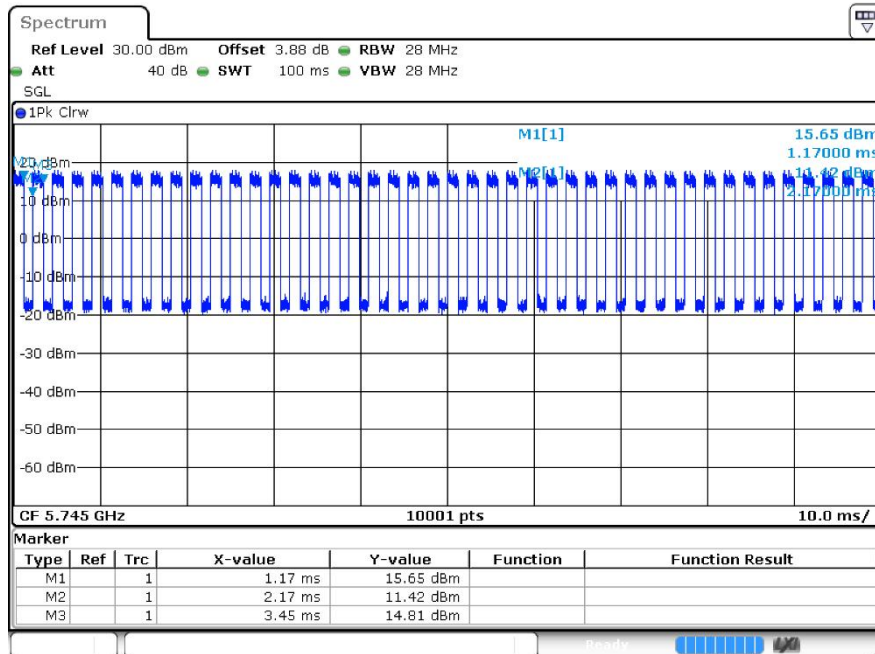
Duty Cycle a 5785MHz Ant2



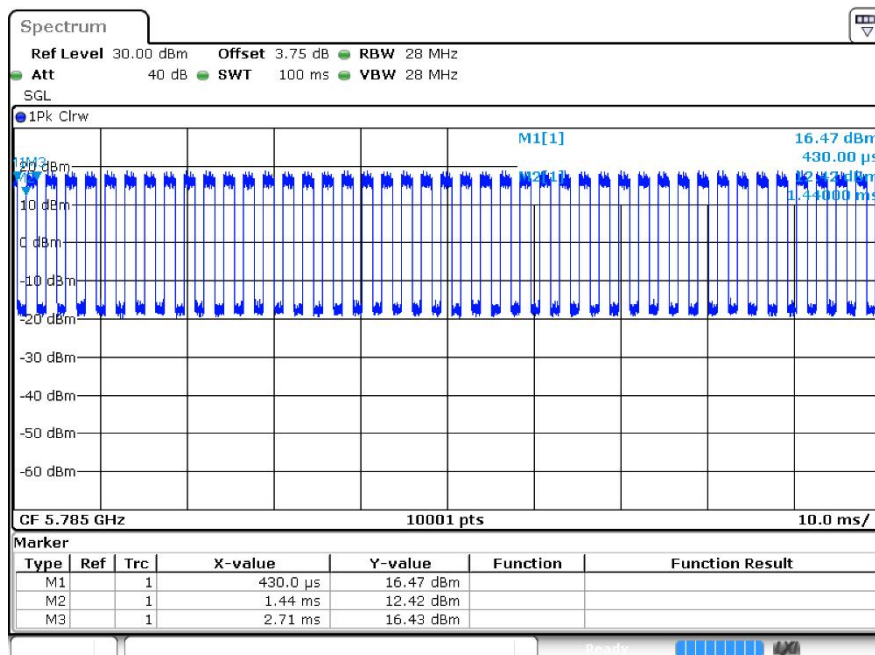
Duty Cycle a 5825MHz Ant2



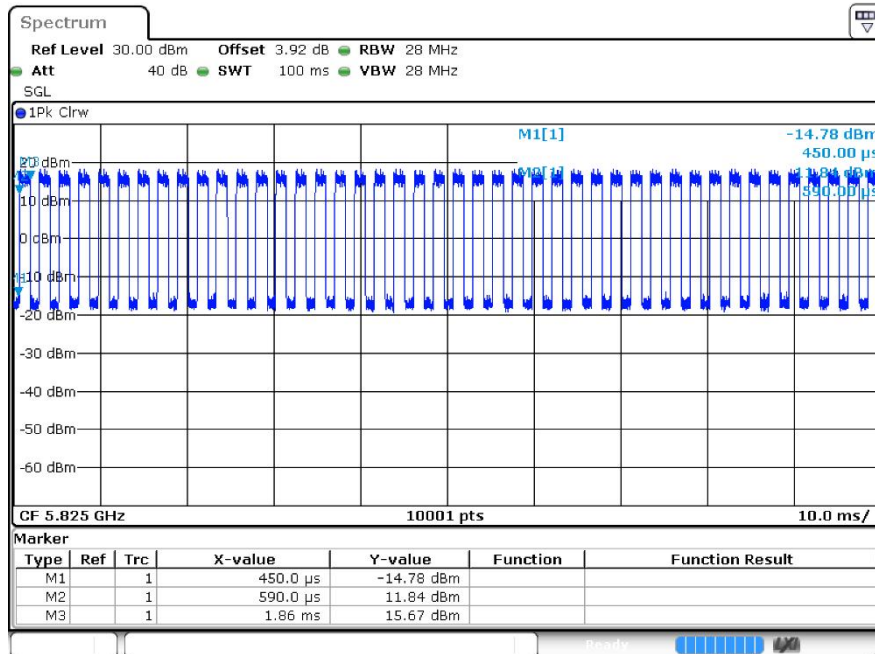
Duty Cycle n20 5745MHz Ant1



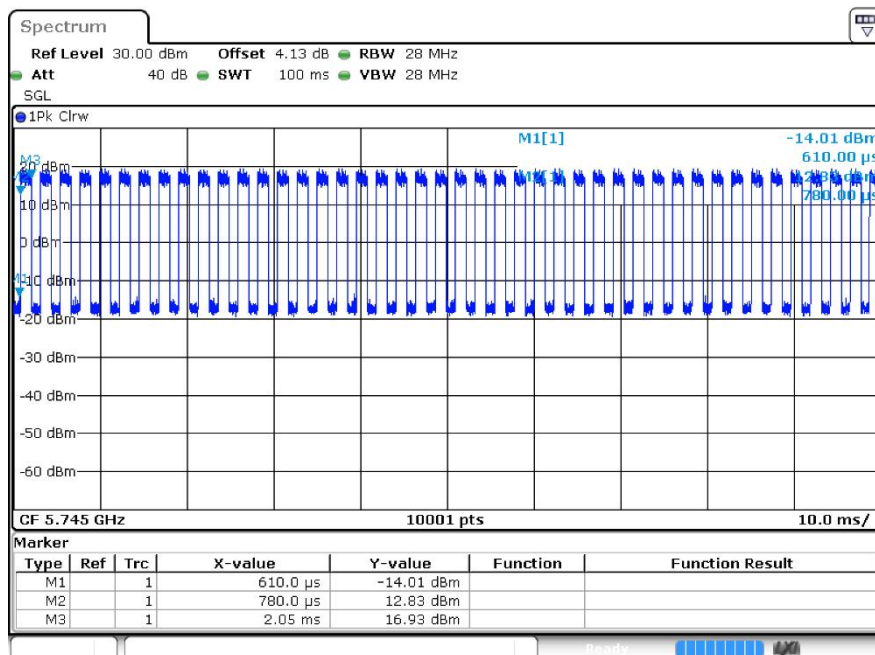
Duty Cycle n20 5785MHz Ant1



Duty Cycle n20 5825MHz Ant1

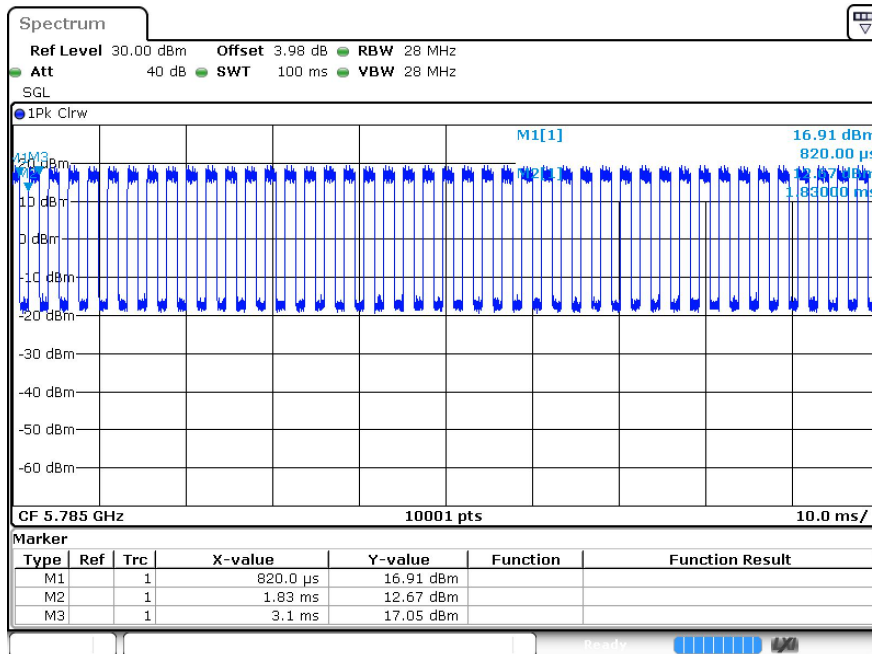


Duty Cycle n20 5745MHz Ant2

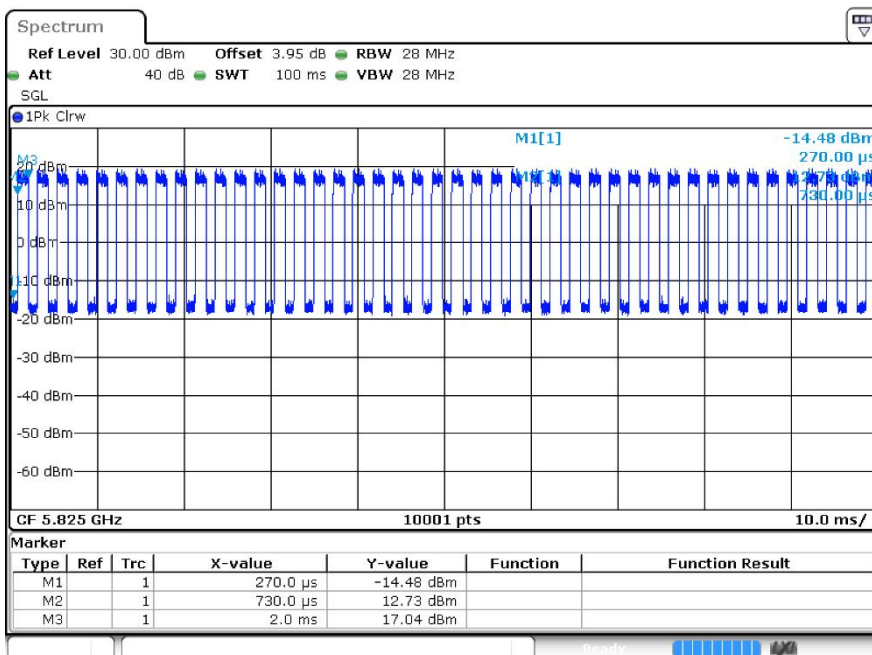




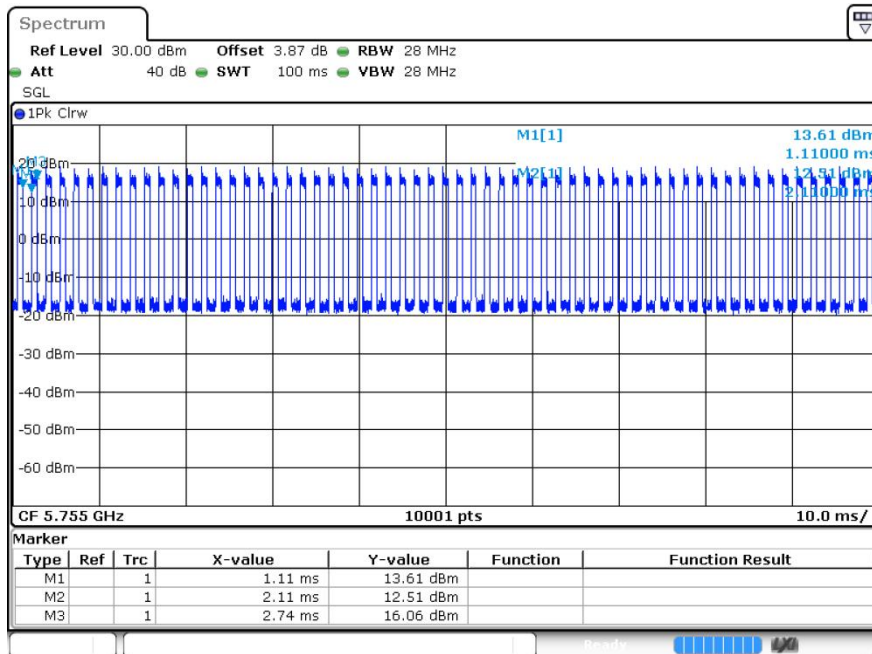
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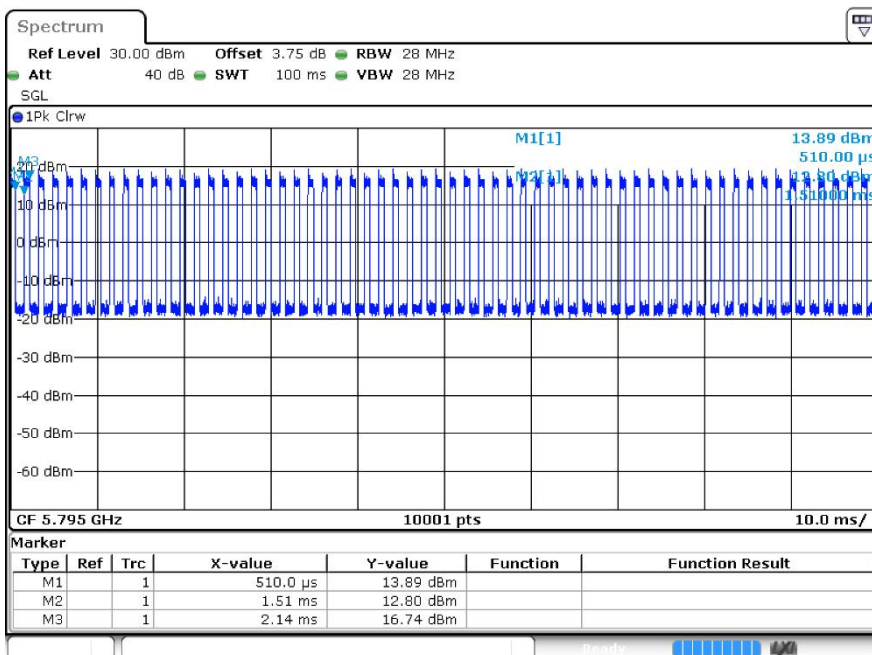
Duty Cycle n20 5825MHz Ant2



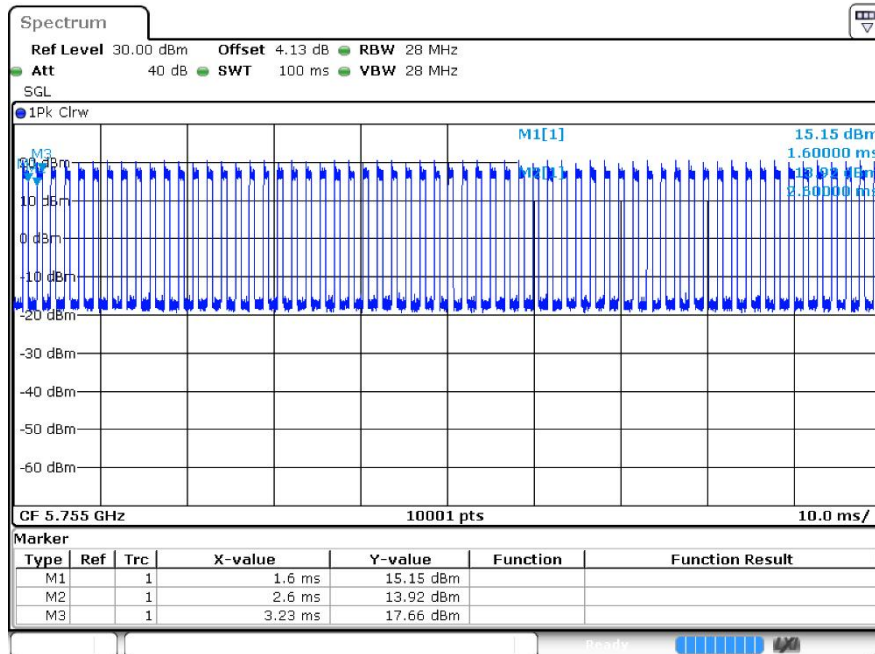
Duty Cycle n40 5755MHz Ant1



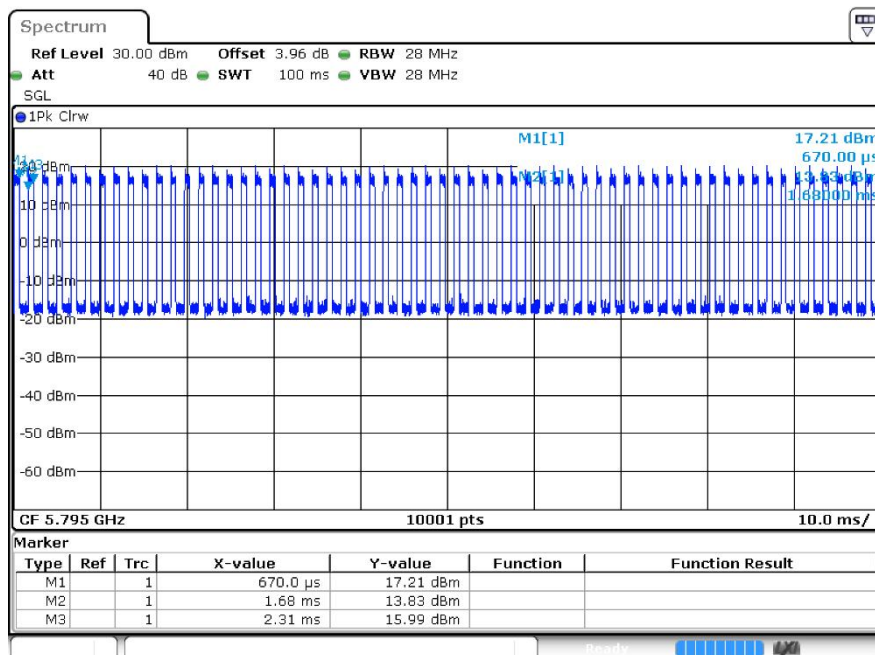
Duty Cycle n40 5795MHz Ant1



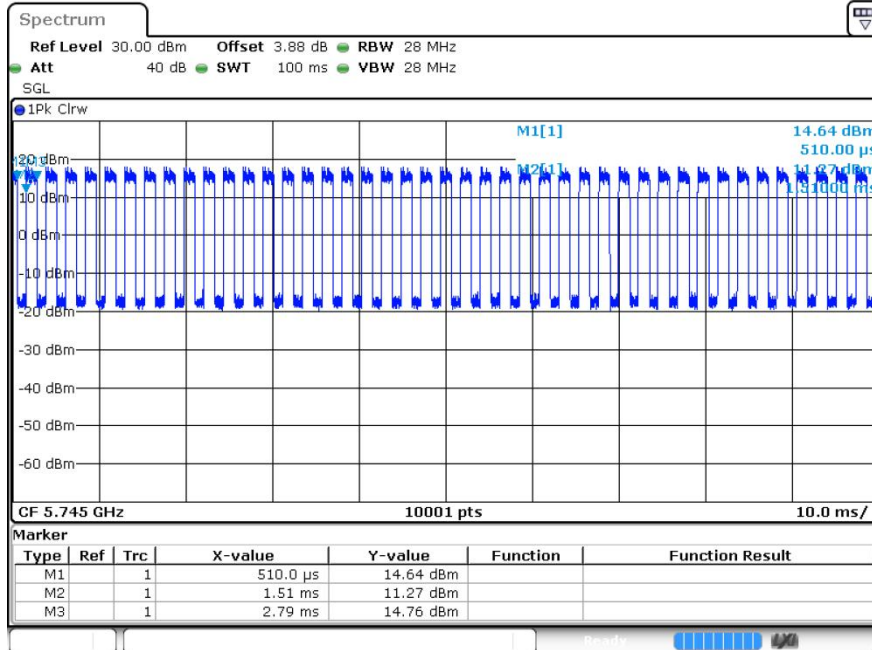
Duty Cycle n40 5755MHz Ant2



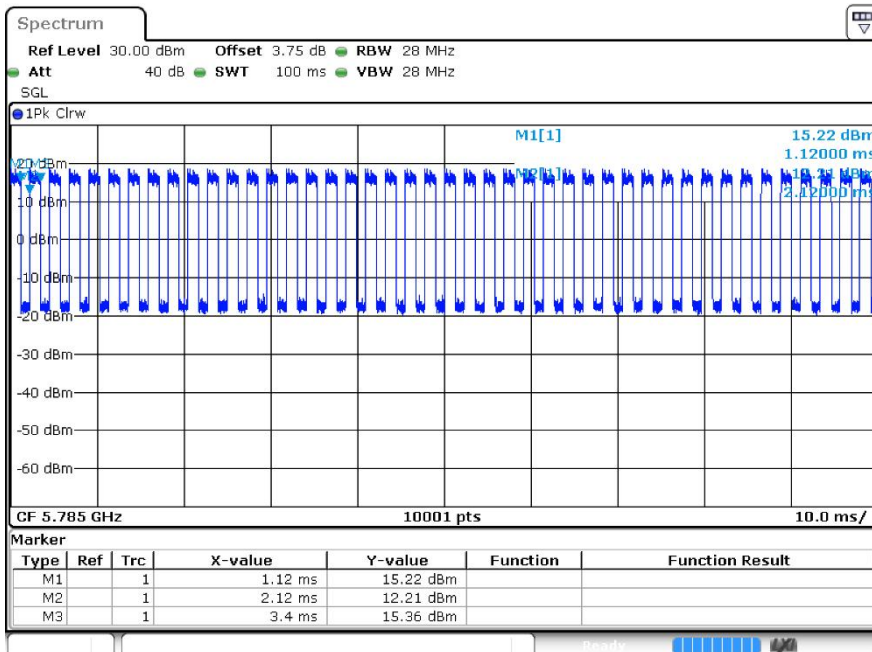
Duty Cycle n40 5795MHz Ant2



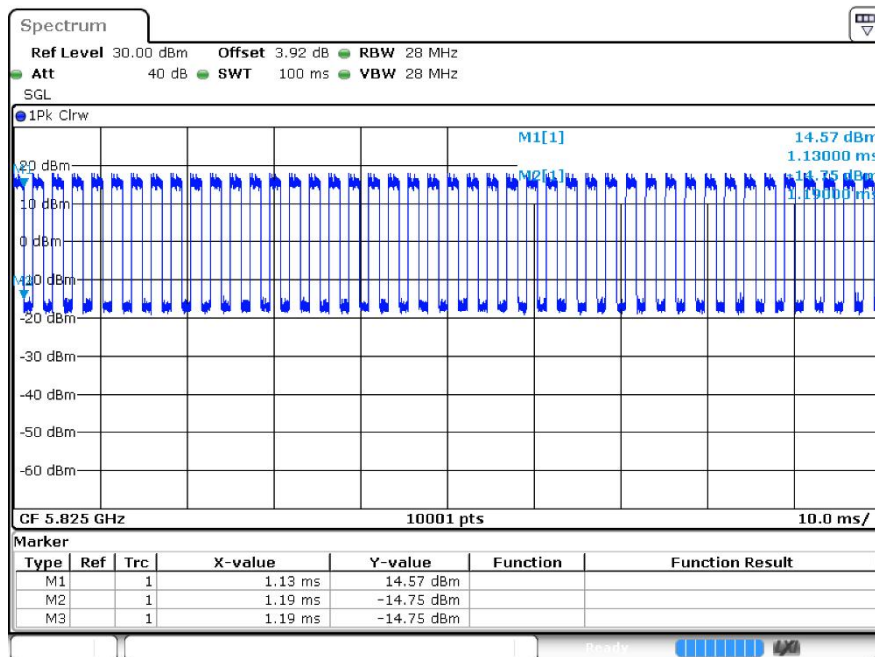
Duty Cycle ac20 5745MHz Ant1



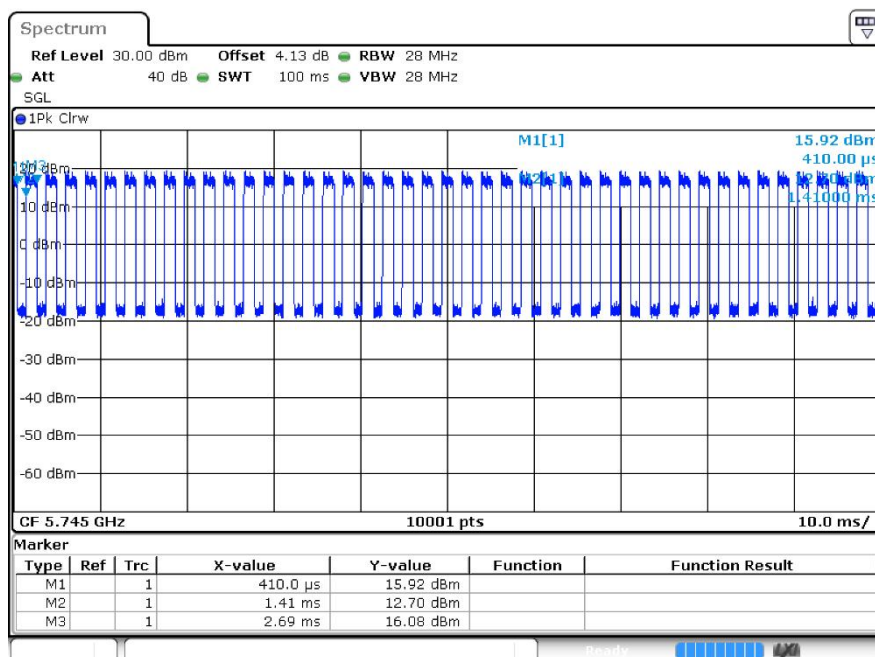
Duty Cycle ac20 5785MHz Ant1



Duty Cycle ac20 5825MHz Ant1

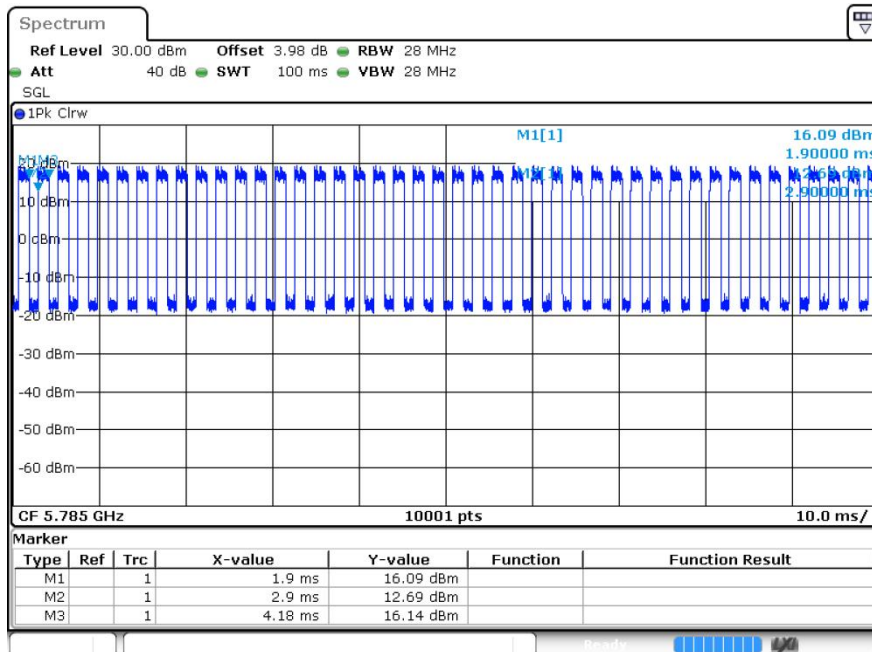


Duty Cycle ac20 5745MHz Ant2

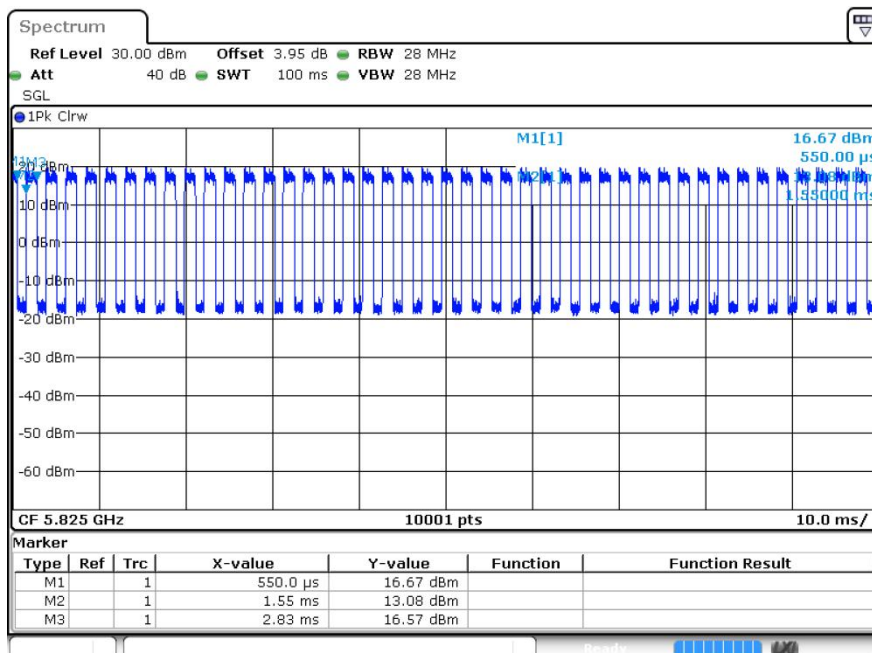




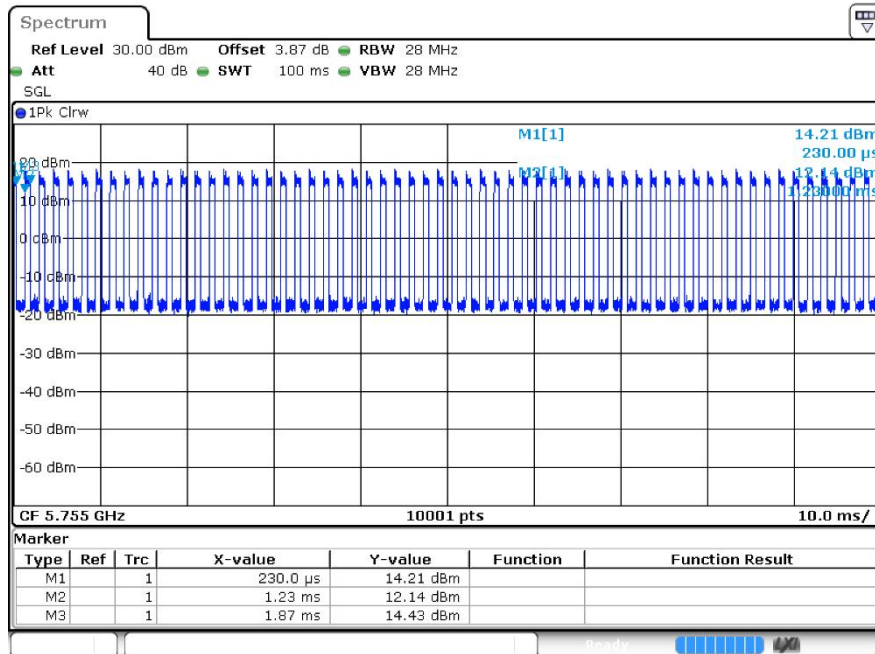
Duty Cycle ac20 5785MHz Ant2



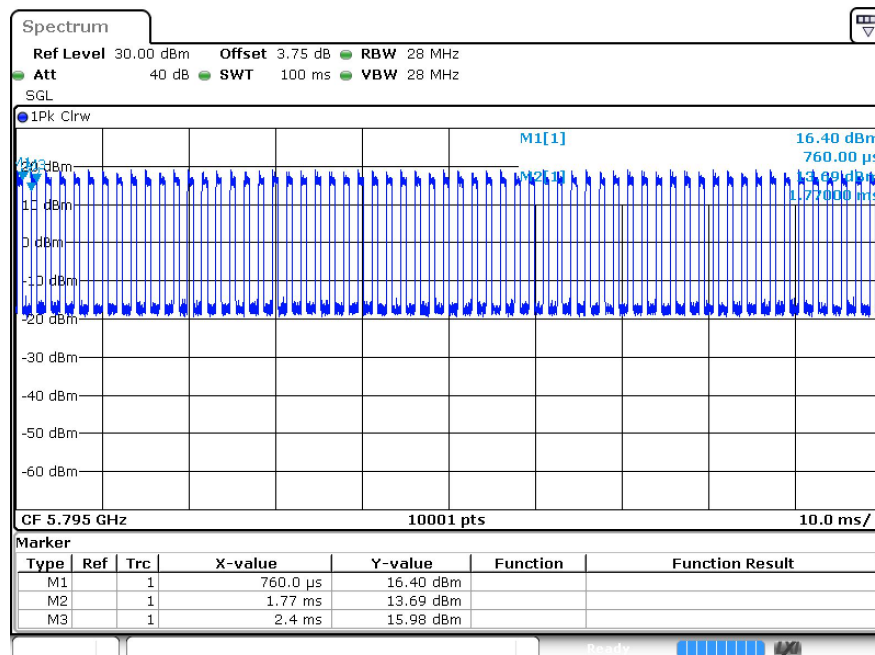
Duty Cycle ac20 5825MHz Ant2



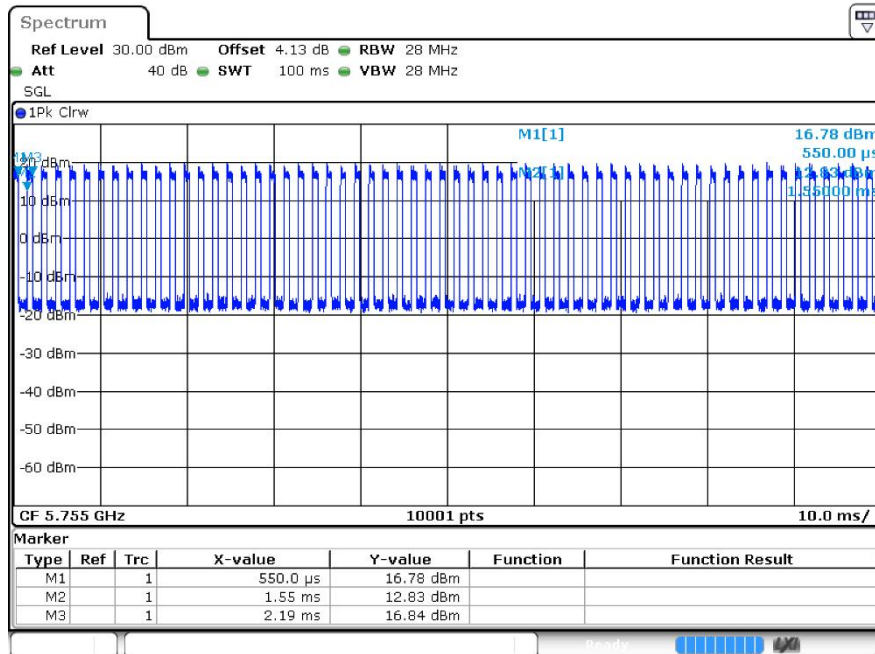
Duty Cycle ac40 5755MHz Ant1



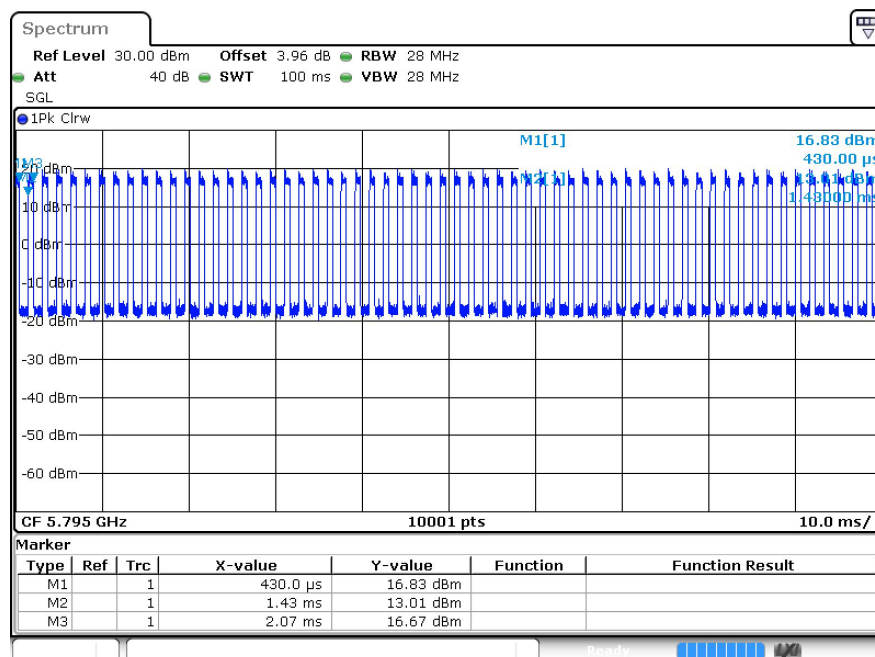
Duty Cycle ac40 5795MHz Ant1



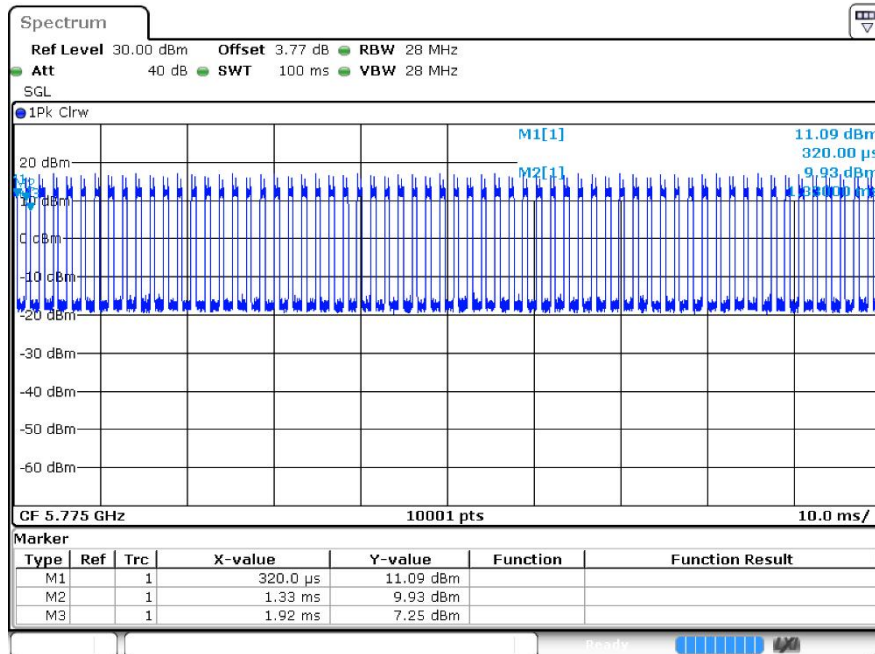
Duty Cycle ac40 5755MHz Ant2



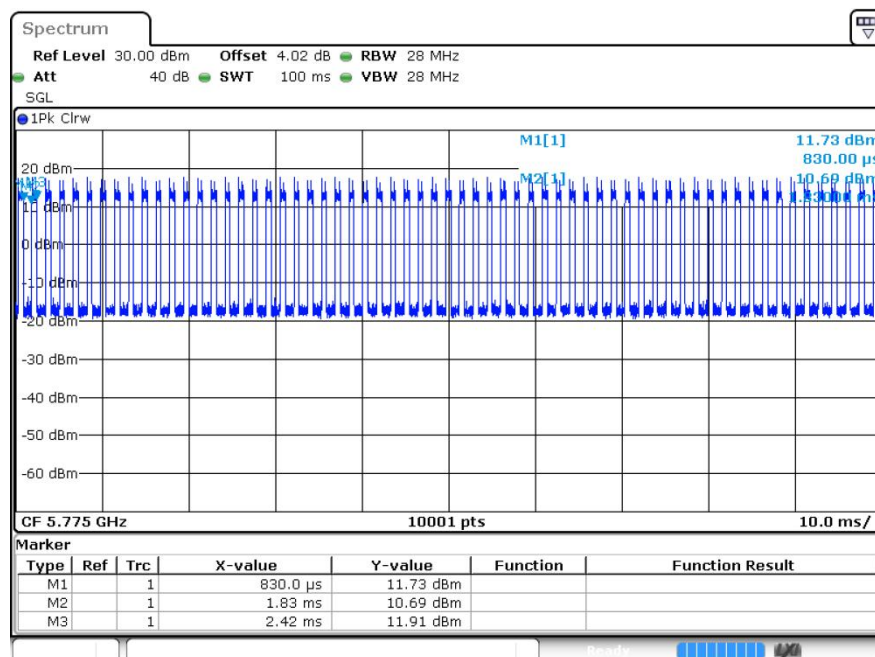
Duty Cycle ac40 5795MHz Ant2



Duty Cycle ac80 5775MHz Ant1



Duty Cycle ac80 5775MHz Ant2





2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	ANT1 Conducted Power (dBm)	ANT2 Conducted Power (dBm)	SUM Conducted Power (dBm)	Limit (dBm)	Verdict
a	5745	14.71	15.8	/	30	Pass
a	5785	15.43	15.4	/	30	Pass
a	5825	14.85	15.82	/	30	Pass
n20	5745	10.99	12.34	14.73	30	Pass
n20	5785	11.83	12.02	14.94	30	Pass
n20	5825	11.28	12.21	14.78	30	Pass
n40	5755	11.24	12.77	15.08	30	Pass
n40	5795	11.7	12.32	15.03	30	Pass
ac20	5745	10.91	12.28	14.66	30	Pass
ac20	5785	11.48	12.01	14.76	30	Pass
ac20	5825	11.03	12.32	14.73	30	Pass
ac40	5755	11.18	12.7	15.02	30	Pass
ac40	5795	11.66	12.25	14.98	30	Pass
ac80	5775	11.42	11.93	14.69	30	Pass

Note:

The duty factor has been compensated into the result.

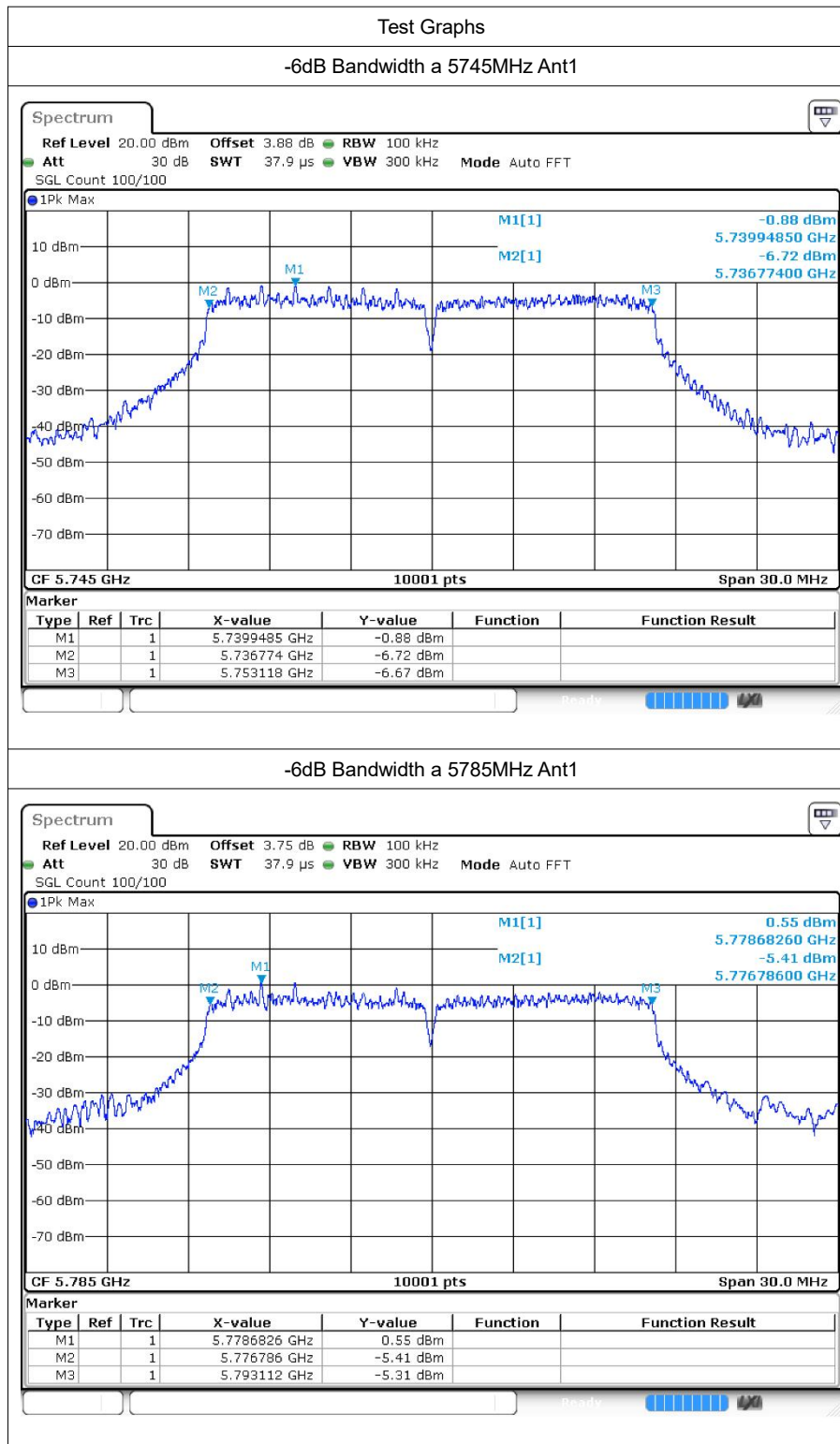


3 -6dB Bandwidth

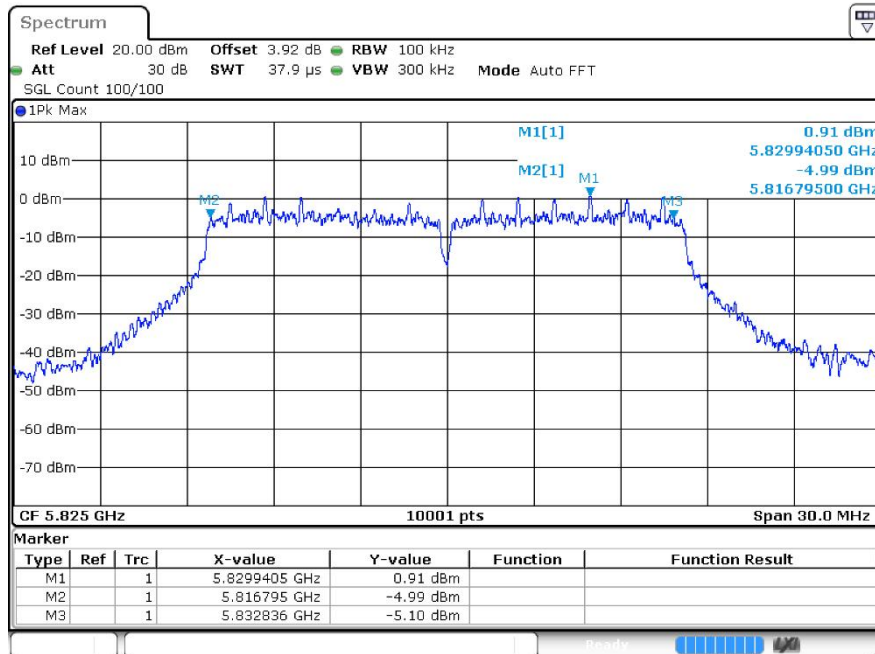
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.344	0.5	Pass
a	5785	Ant1	16.326	0.5	Pass
a	5825	Ant1	16.041	0.5	Pass
n20	5745	Ant1	17.601	0.5	Pass
n20	5785	Ant1	16.644	0.5	Pass
n20	5825	Ant1	17.277	0.5	Pass
n40	5755	Ant1	36.33	0.5	Pass
n40	5795	Ant1	36.312	0.5	Pass
ac20	5745	Ant1	17.295	0.5	Pass
ac20	5785	Ant1	16.419	0.5	Pass
ac20	5825	Ant1	17.649	0.5	Pass
ac40	5755	Ant1	36.396	0.5	Pass
ac40	5795	Ant1	35.472	0.5	Pass
ac80	5775	Ant1	75.108	0.5	Pass
a	5745	Ant2	16.29	0.5	Pass
a	5785	Ant2	16.287	0.5	Pass
a	5825	Ant2	16.491	0.5	Pass
n20	5745	Ant2	17.16	0.5	Pass
n20	5785	Ant2	17.595	0.5	Pass
n20	5825	Ant2	17.622	0.5	Pass
n40	5755	Ant2	36.372	0.5	Pass
n40	5795	Ant2	36.03	0.5	Pass
ac20	5745	Ant2	17.676	0.5	Pass
ac20	5785	Ant2	16.782	0.5	Pass
ac20	5825	Ant2	17.643	0.5	Pass
ac40	5755	Ant2	36.03	0.5	Pass
ac40	5795	Ant2	35.34	0.5	Pass
ac80	5775	Ant2	75.12	0.5	Pass

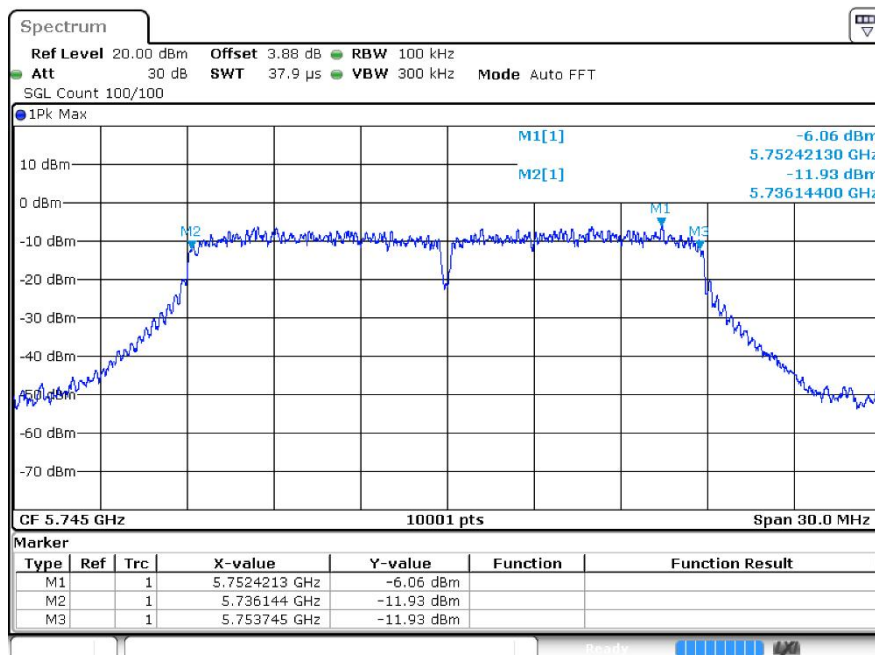
3.2 Test Graphs



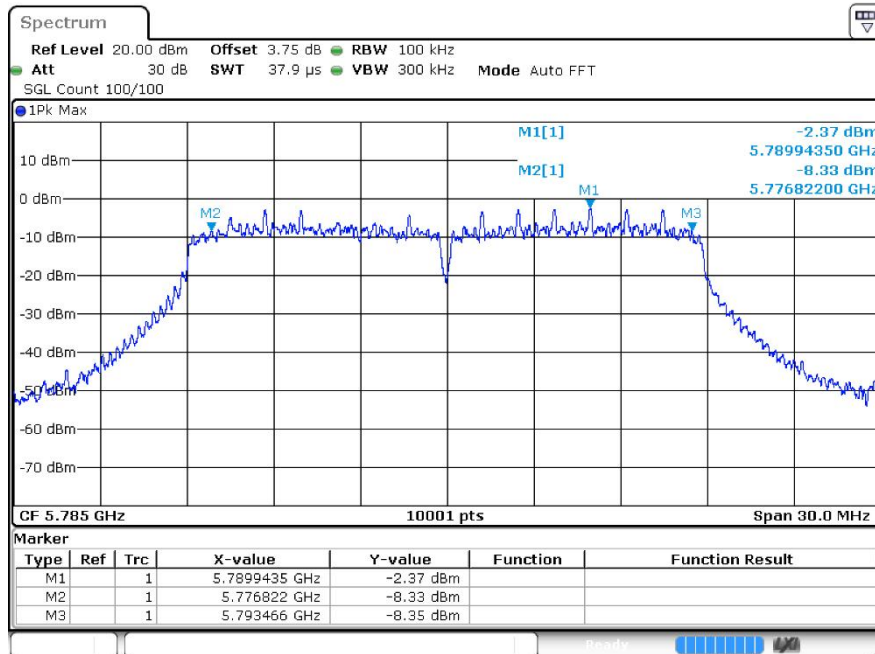
-6dB Bandwidth a 5825MHz Ant1



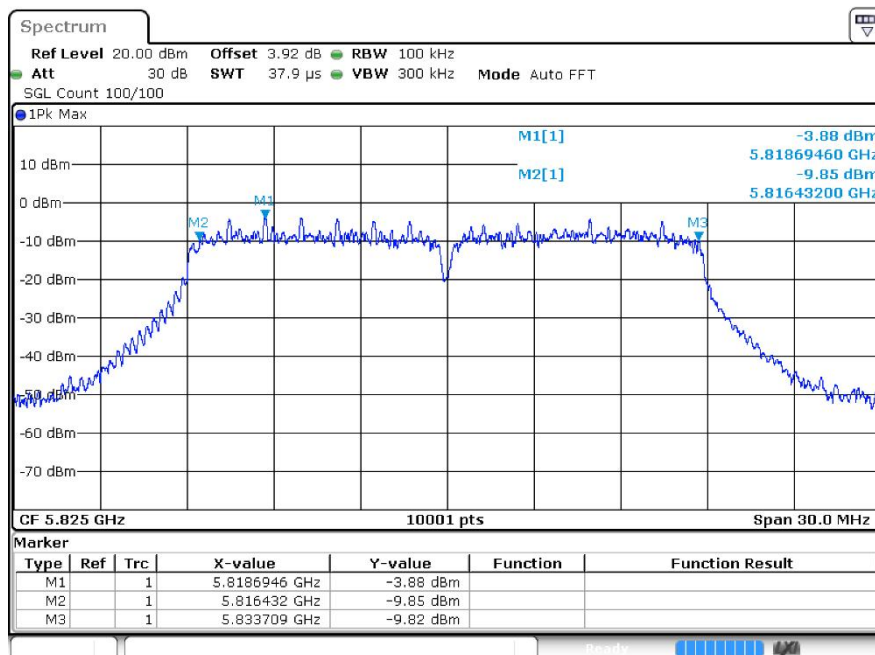
-6dB Bandwidth n20 5745MHz Ant1



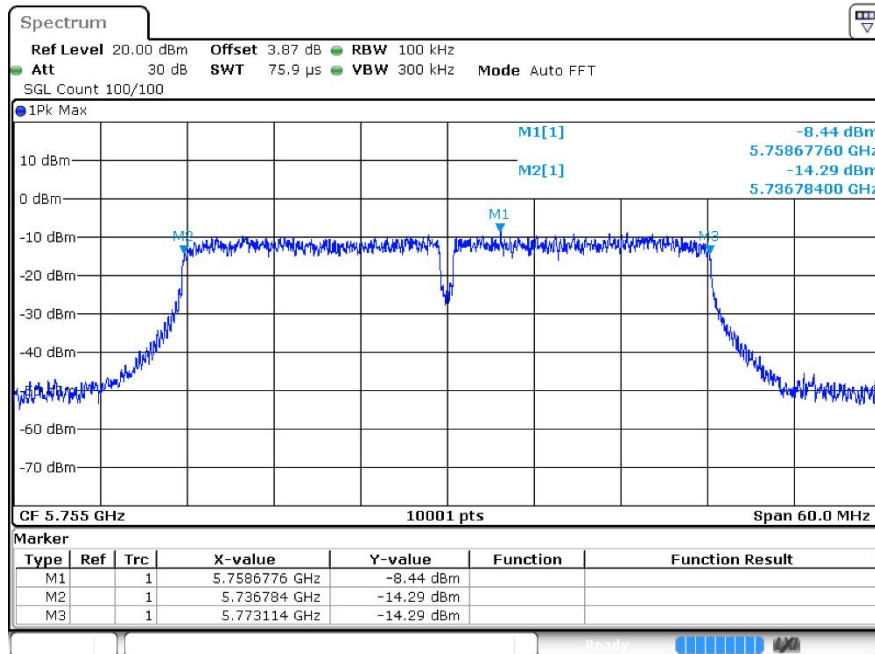
-6dB Bandwidth n20 5785MHz Ant1



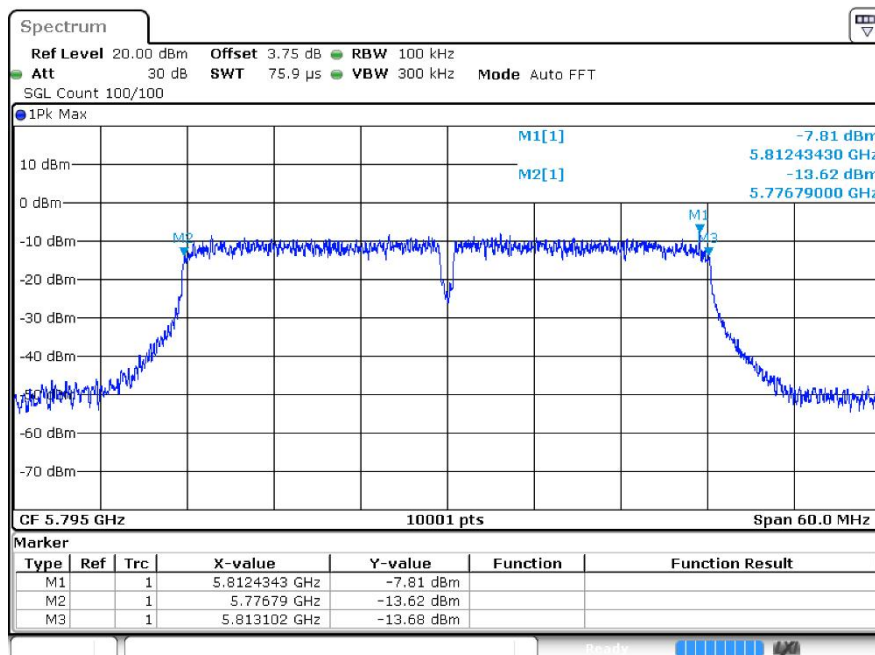
-6dB Bandwidth n20 5825MHz Ant1



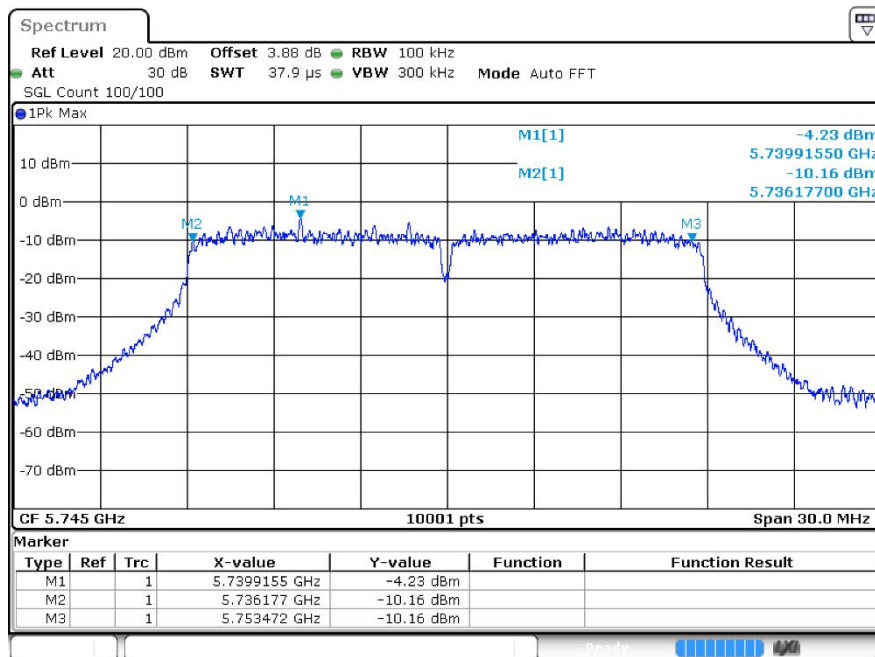
-6dB Bandwidth n40 5755MHz Ant1



-6dB Bandwidth n40 5795MHz Ant1



-6dB Bandwidth ac20 5745MHz Ant1



-6dB Bandwidth ac20 5785MHz Ant1

