Appendix E

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: Tablet

Trade Mark:

SUAAT, UJJ, DEERTIME, ZIOVO, DMOAO, SKYEGG, fezawio, JUEDUR, Biegedy, JUSYEA, YESTEL, Biegedy, GOODTEL

Test Model: S3

Environmental Conditions

Temperature:	24.6℃
Relative Humidity:	52.4%
ATM Pressure:	101Kpa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung

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1 Duty Cycle

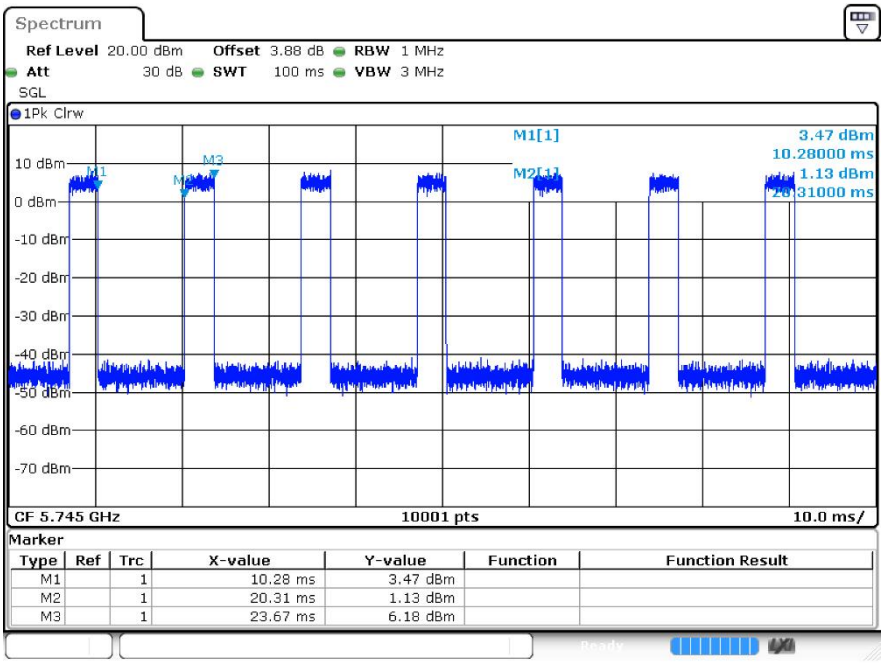
1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	23.61	6.27	0.3
a	5785	Ant1	25.99	5.85	0.3
a	5825	Ant1	26.98	5.69	0.3
n20	5745	Ant1	33.92	4.7	0.2
n20	5785	Ant1	30.6	5.14	0.2
n20	5825	Ant1	31.23	5.05	0.2
n40	5755	Ant1	30.57	5.15	0.2
n40	5795	Ant1	34.33	4.64	0.2
ac20	5745	Ant1	33.37	4.77	0.2
ac20	5785	Ant1	30.73	5.12	0.2
ac20	5825	Ant1	34.06	4.68	0.2
ac40	5755	Ant1	32.49	4.88	0.2
ac40	5795	Ant1	31.48	5.02	0.2
ac80	5775	Ant1	31.68	4.99	0.22
ax20	5745	Ant1	27.22	5.65	0.26
ax20	5785	Ant1	27.22	5.65	0.26
ax20	5825	Ant1	27.46	5.61	0.26
ax40	5755	Ant1	27.18	5.66	0.26
ax40	5795	Ant1	29.99	5.23	0.26
ax80	5775	Ant1	25.93	5.86	0.27

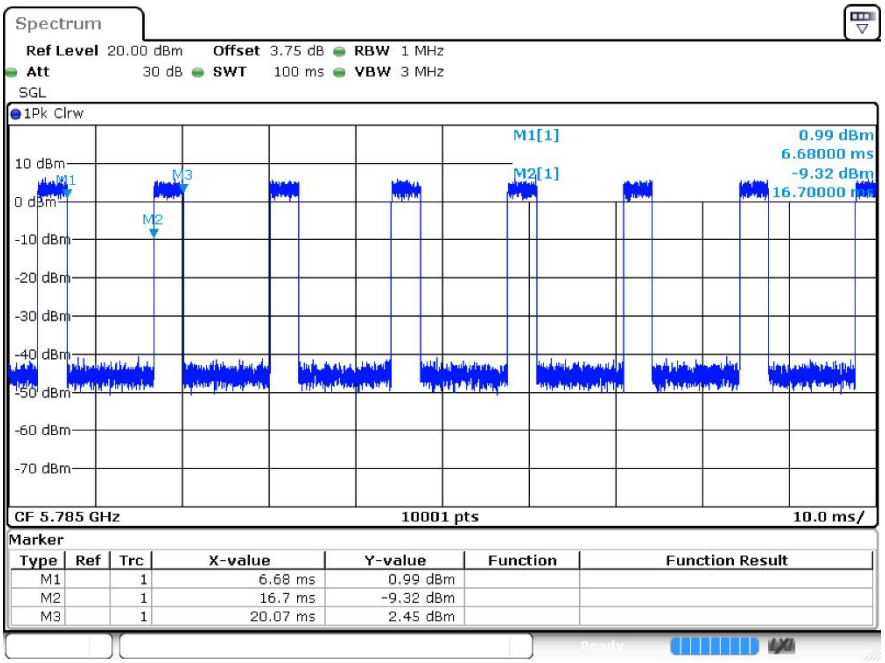
1.2 Test Graphs

Test Graphs

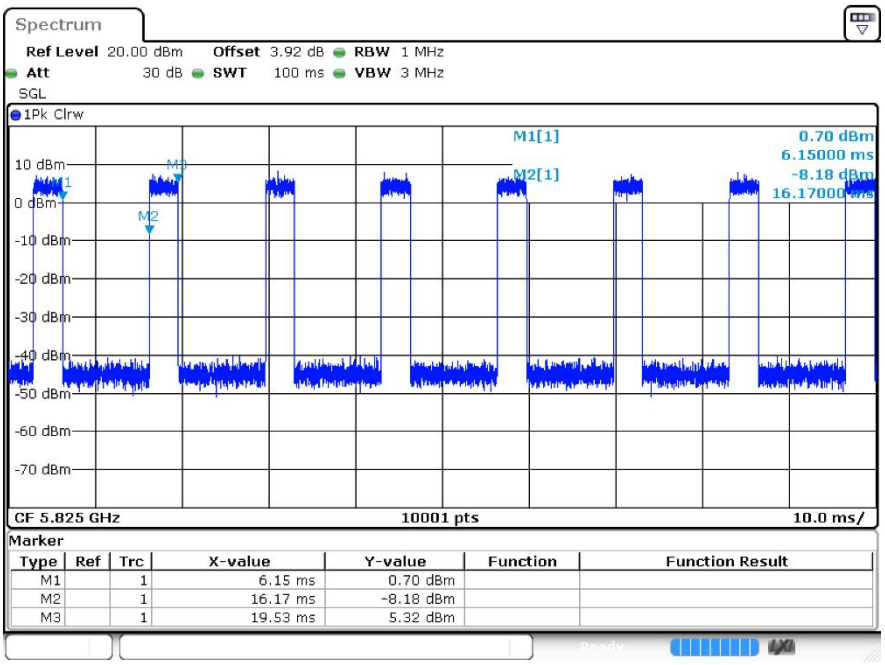
Duty Cycle a 5745MHz Ant1



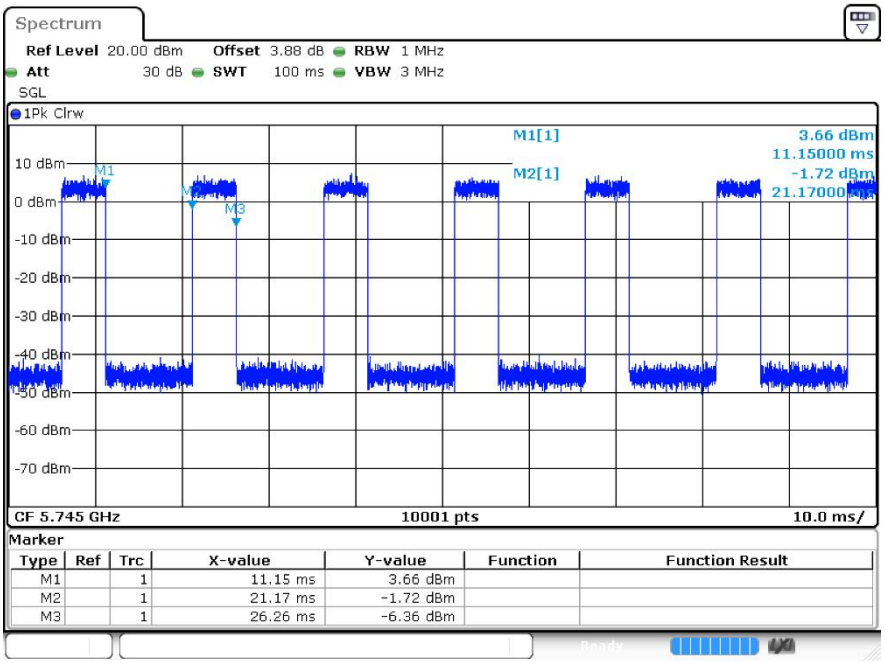
Duty Cycle a 5785MHz Ant1



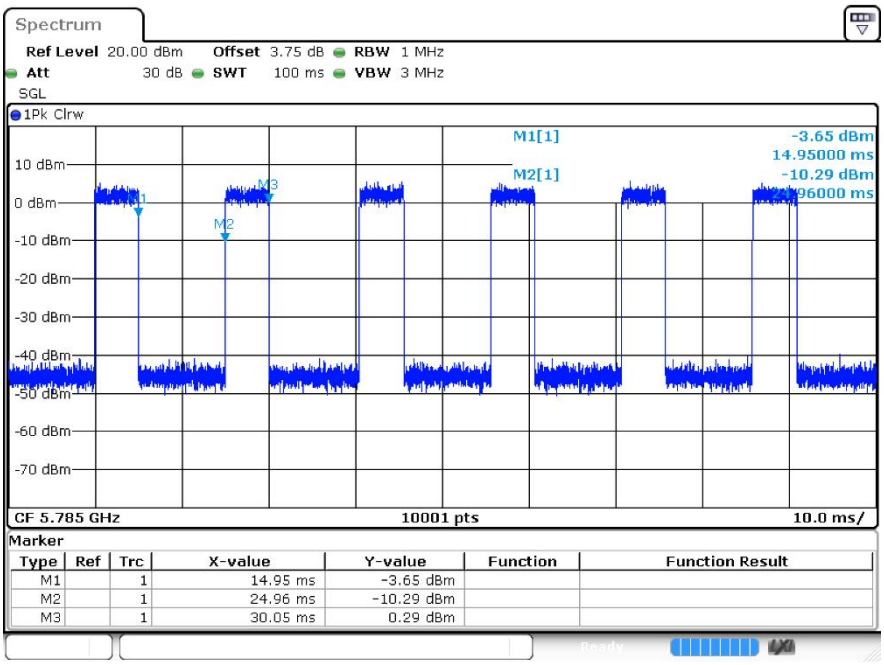
Duty Cycle a 5825MHz Ant1



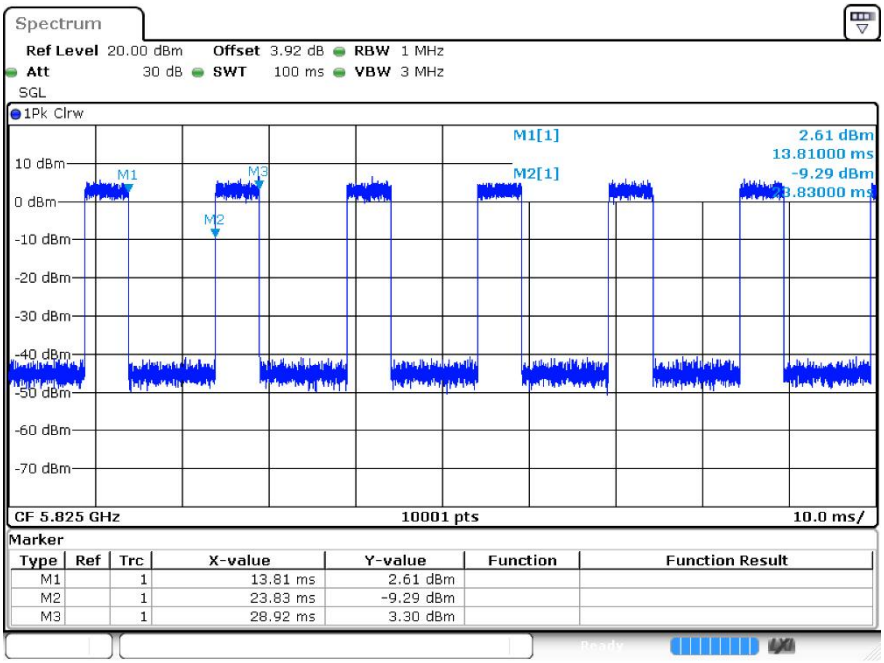
Duty Cycle n20 5745MHz Ant1



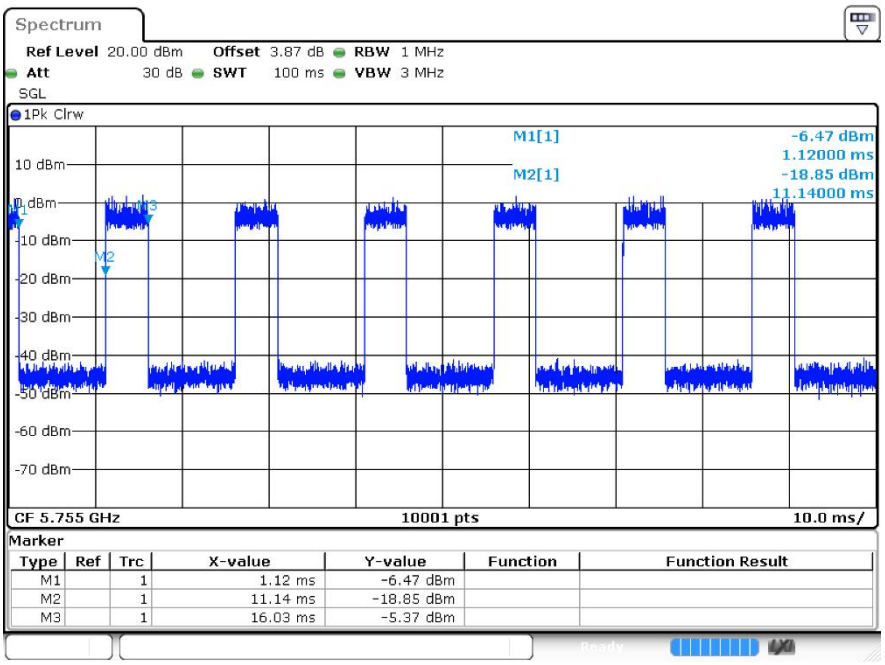
Duty Cycle n20 5785MHz Ant1



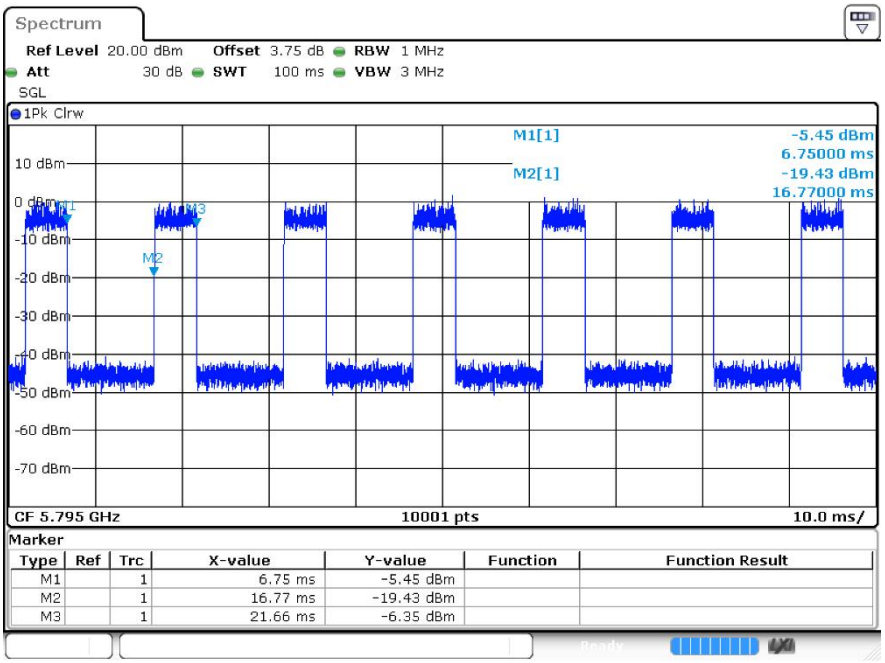
Duty Cycle n20 5825MHz Ant1



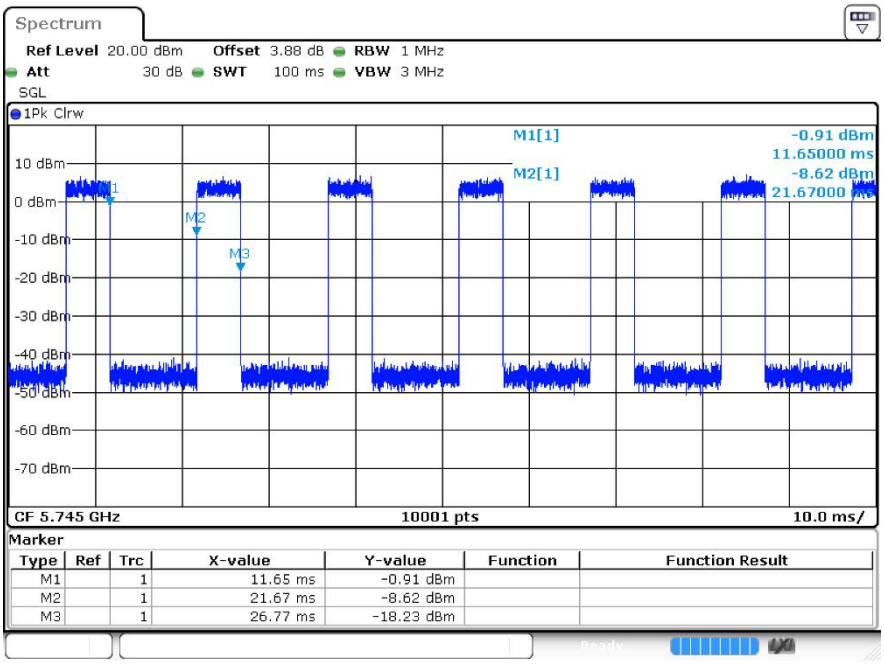
Duty Cycle n40 5755MHz Ant1



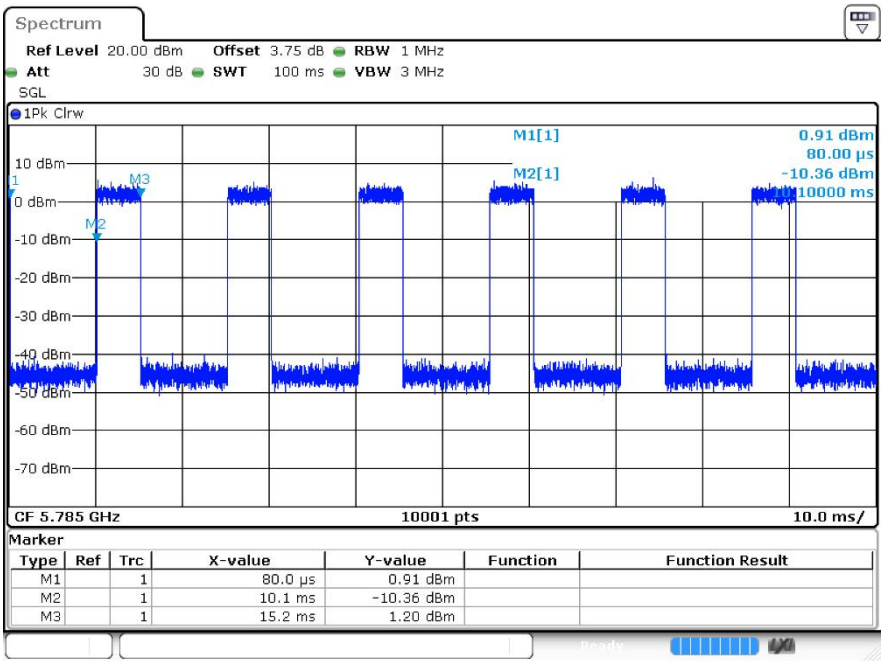
Duty Cycle n40 5795MHz Ant1



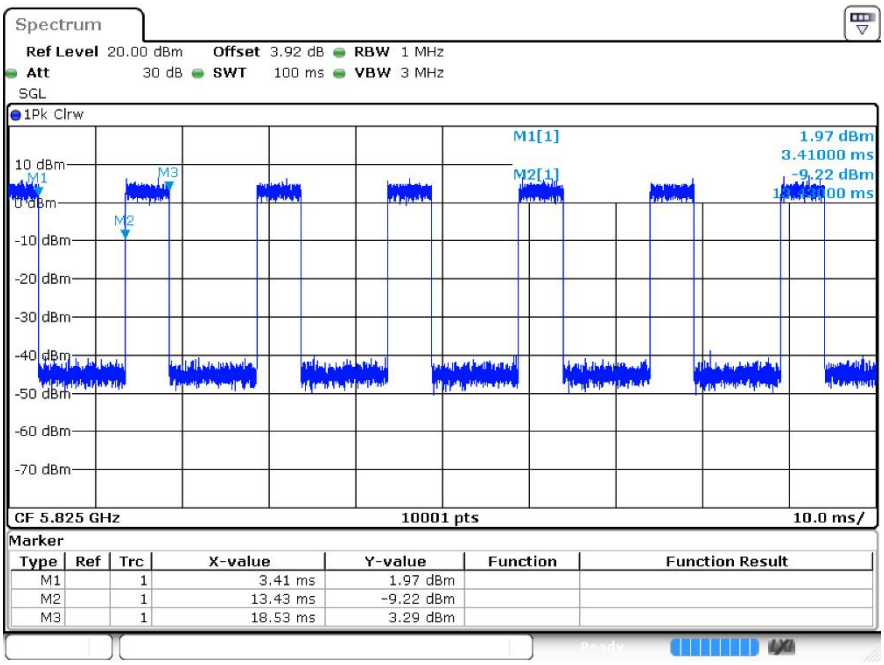
Duty Cycle ac20 5745MHz Ant1



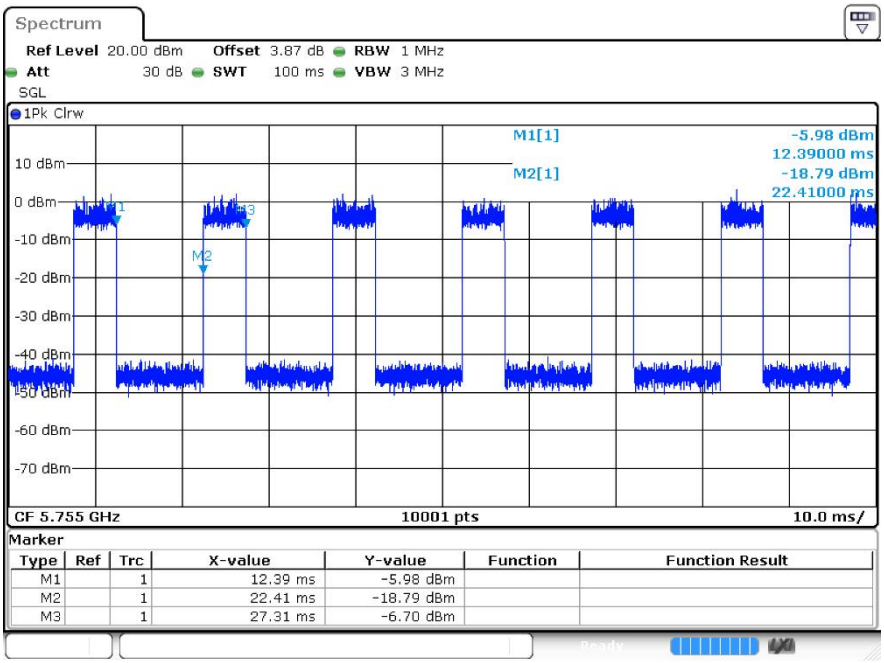
Duty Cycle ac20 5785MHz Ant1



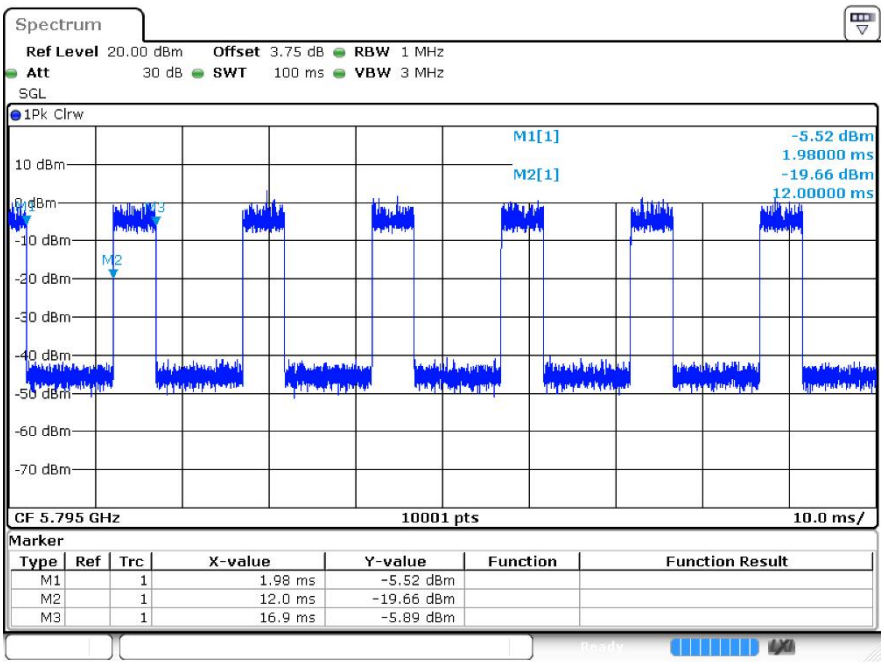
Duty Cycle ac20 5825MHz Ant1



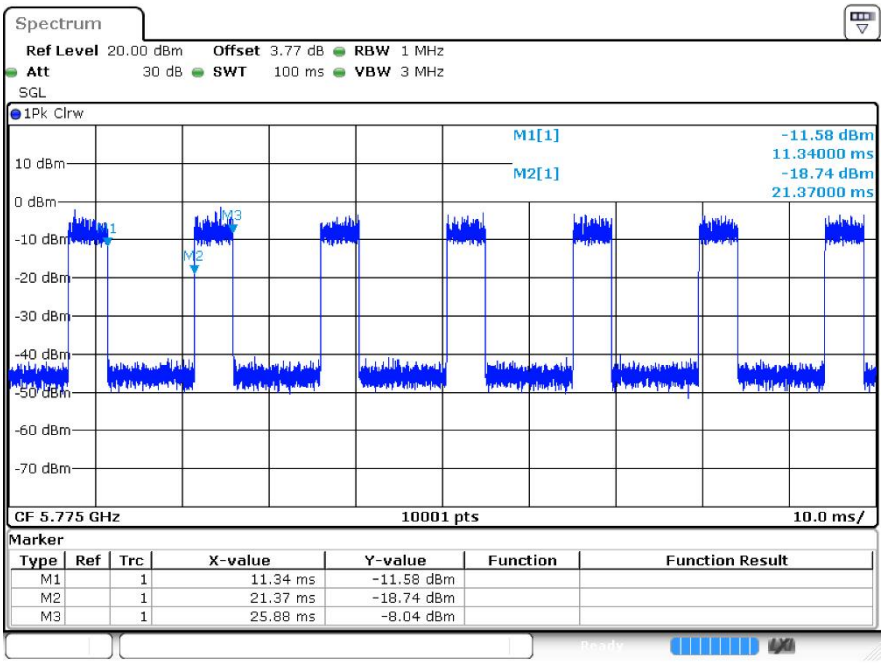
Duty Cycle ac40 5755MHz Ant1



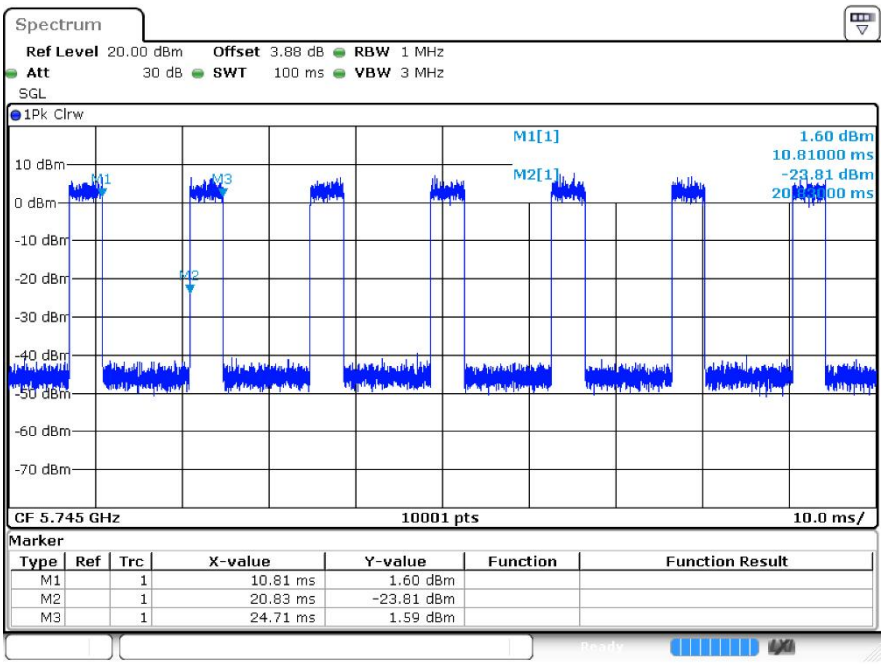
Duty Cycle ac40 5795MHz Ant1



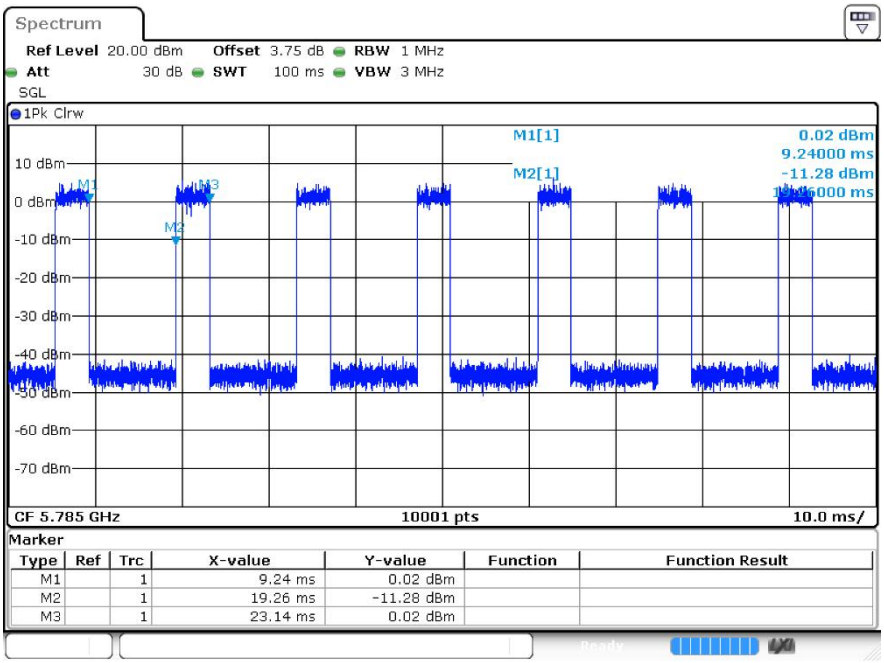
Duty Cycle ac80 5775MHz Ant1



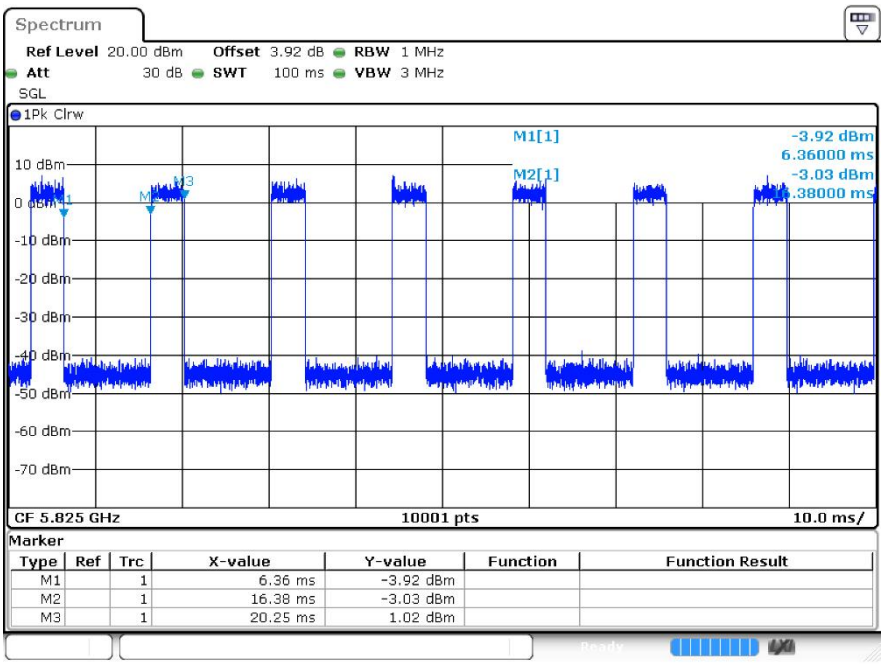
Duty Cycle ax20 5745MHz Ant1



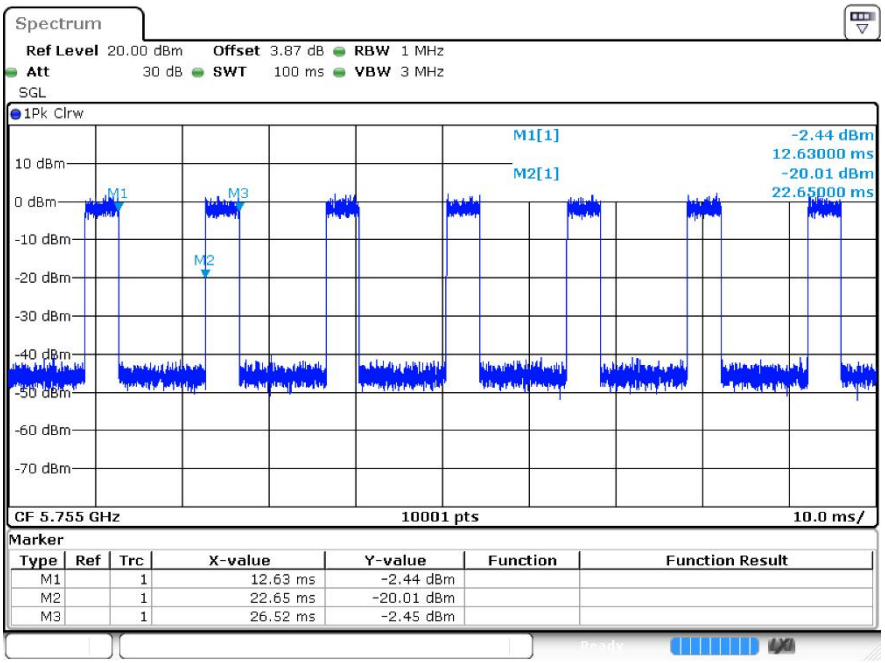
Duty Cycle ax20 5785MHz Ant1



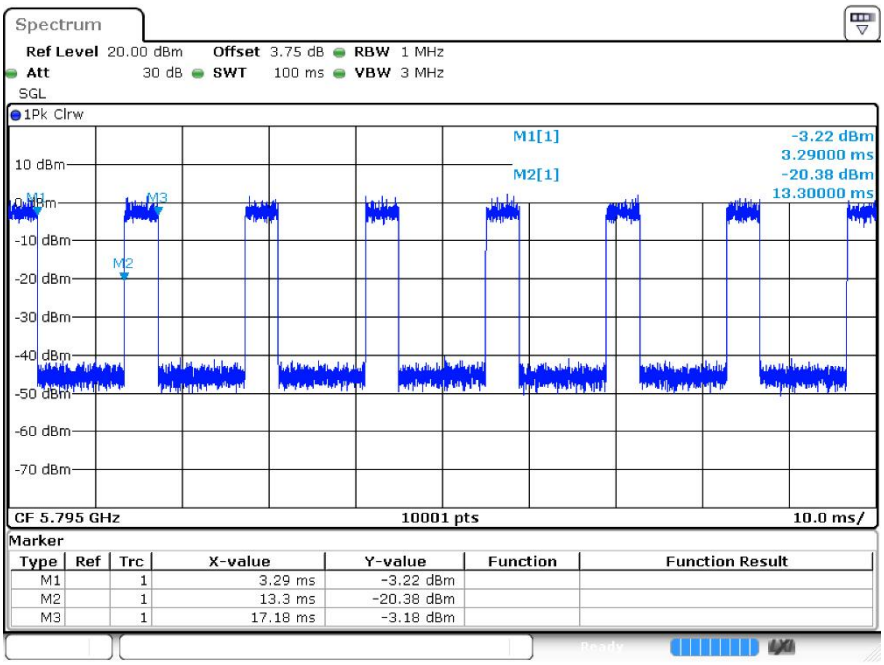
Duty Cycle ax20 5825MHz Ant1



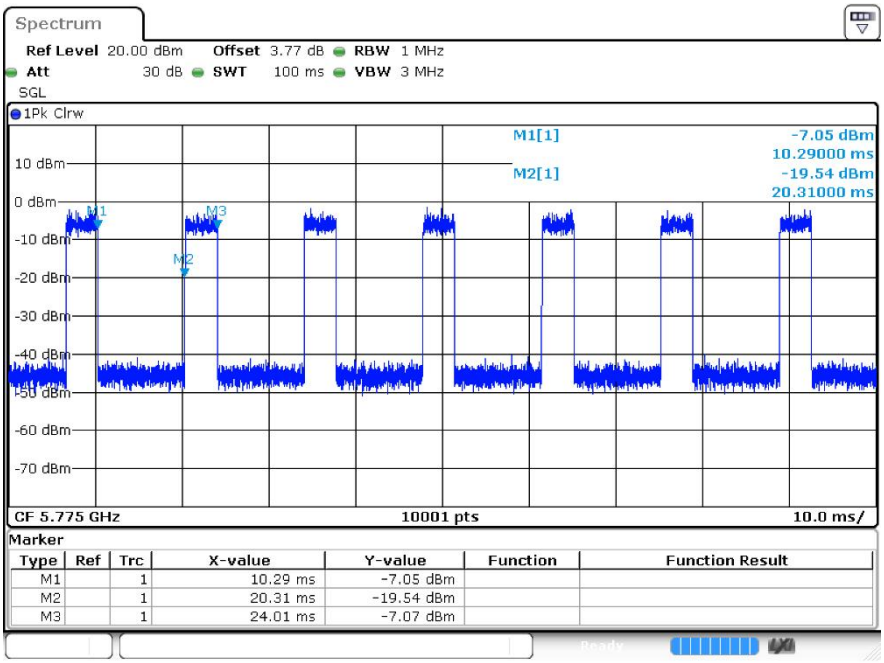
Duty Cycle ax40 5755MHz Ant1



Duty Cycle ax40 5795MHz Ant1



Duty Cycle ax80 5775MHz Ant1



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	15.07	30	Pass
a	5785	Ant1	13.56	30	Pass
a	5825	Ant1	14.47	30	Pass
n20	5745	Ant1	14.16	30	Pass
n20	5785	Ant1	12.53	30	Pass
n20	5825	Ant1	13.6	30	Pass
n40	5755	Ant1	13.31	30	Pass
n40	5795	Ant1	12.6	30	Pass
ac20	5745	Ant1	14.2	30	Pass
ac20	5785	Ant1	12.53	30	Pass
ac20	5825	Ant1	13.63	30	Pass
ac40	5755	Ant1	13.23	30	Pass
ac40	5795	Ant1	12.57	30	Pass
ac80	5775	Ant1	12.9	30	Pass
ax20	5745	Ant1	13.85	30	Pass
ax20	5785	Ant1	12.38	30	Pass
ax20	5825	Ant1	13.42	30	Pass
ax40	5755	Ant1	13.14	30	Pass
ax40	5795	Ant1	12.4	30	Pass
ax80	5775	Ant1	12.08	30	Pass

Note:

The duty factor has been compensated into the result.

3 -6dB Bandwidth

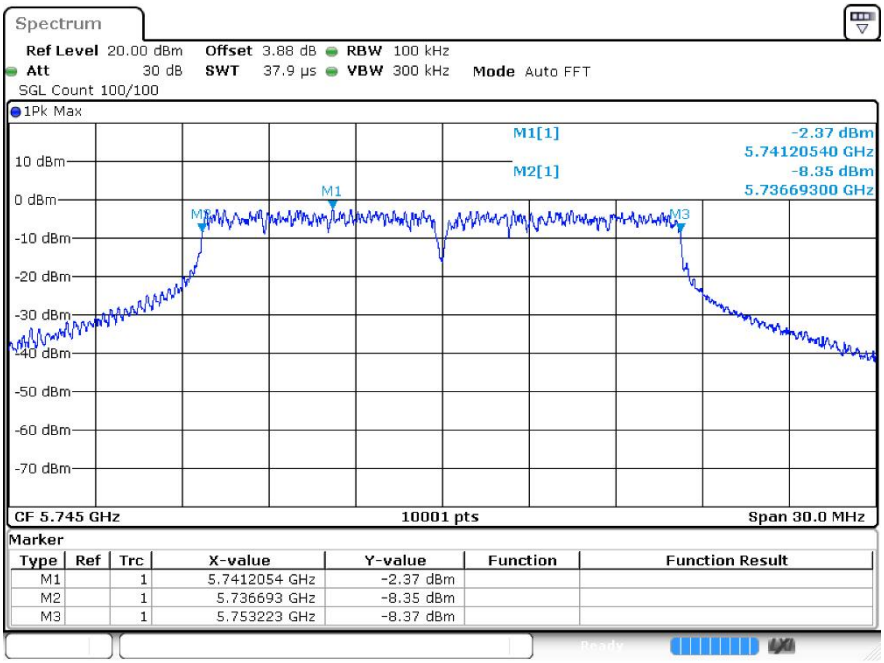
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.53	0.5	Pass
a	5785	Ant1	16.521	0.5	Pass
a	5825	Ant1	16.548	0.5	Pass
n20	5745	Ant1	17.808	0.5	Pass
n20	5785	Ant1	17.817	0.5	Pass
n20	5825	Ant1	17.811	0.5	Pass
n40	5755	Ant1	36.486	0.5	Pass
n40	5795	Ant1	36.516	0.5	Pass
ac20	5745	Ant1	17.808	0.5	Pass
ac20	5785	Ant1	17.82	0.5	Pass
ac20	5825	Ant1	17.748	0.5	Pass
ac40	5755	Ant1	36.456	0.5	Pass
ac40	5795	Ant1	36.486	0.5	Pass
ac80	5775	Ant1	76.308	0.5	Pass
ax20	5745	Ant1	19.116	0.5	Pass
ax20	5785	Ant1	19.086	0.5	Pass
ax20	5825	Ant1	19.092	0.5	Pass
ax40	5755	Ant1	38.124	0.5	Pass
ax40	5795	Ant1	38.046	0.5	Pass
ax80	5775	Ant1	77.544	0.5	Pass

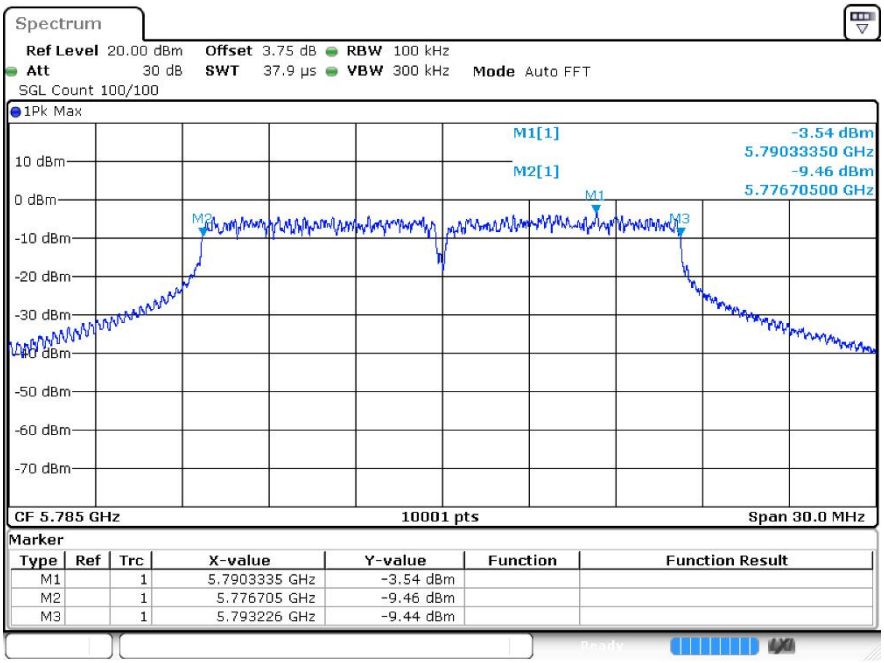
3.2 Test Graphs

Test Graphs

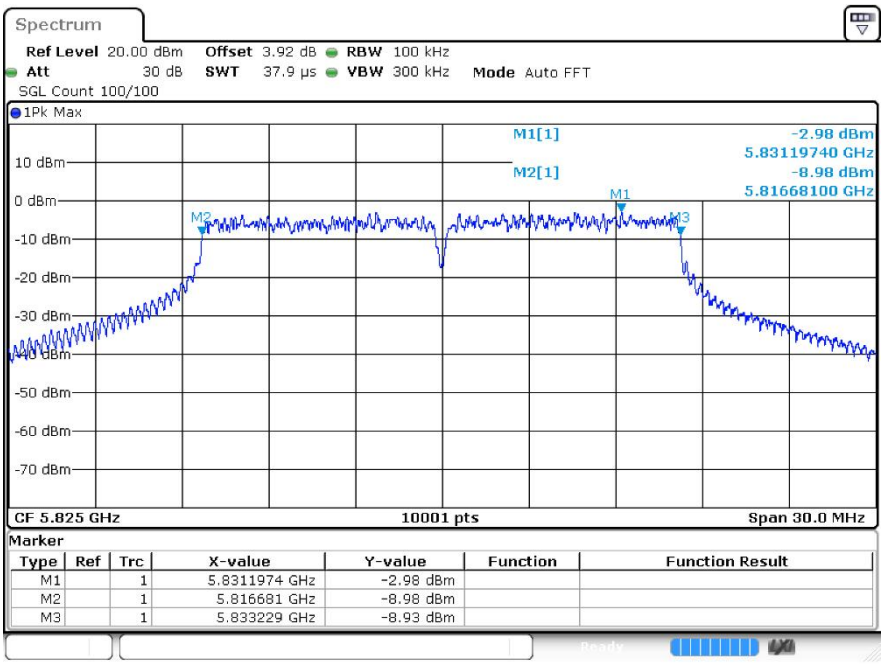
-6dB Bandwidth a 5745MHz Ant1



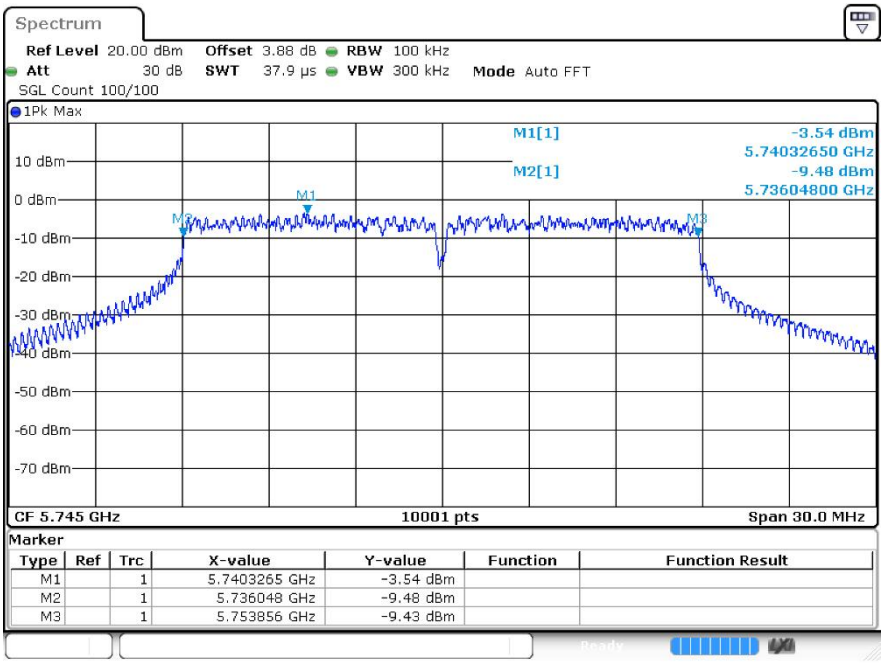
-6dB Bandwidth a 5785MHz Ant1



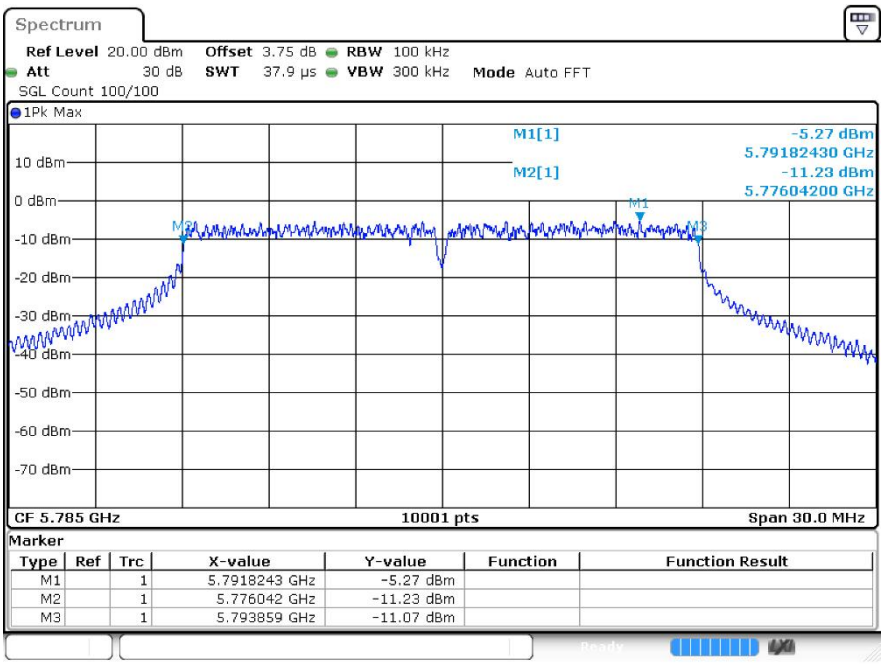
-6dB Bandwidth a 5825MHz Ant1



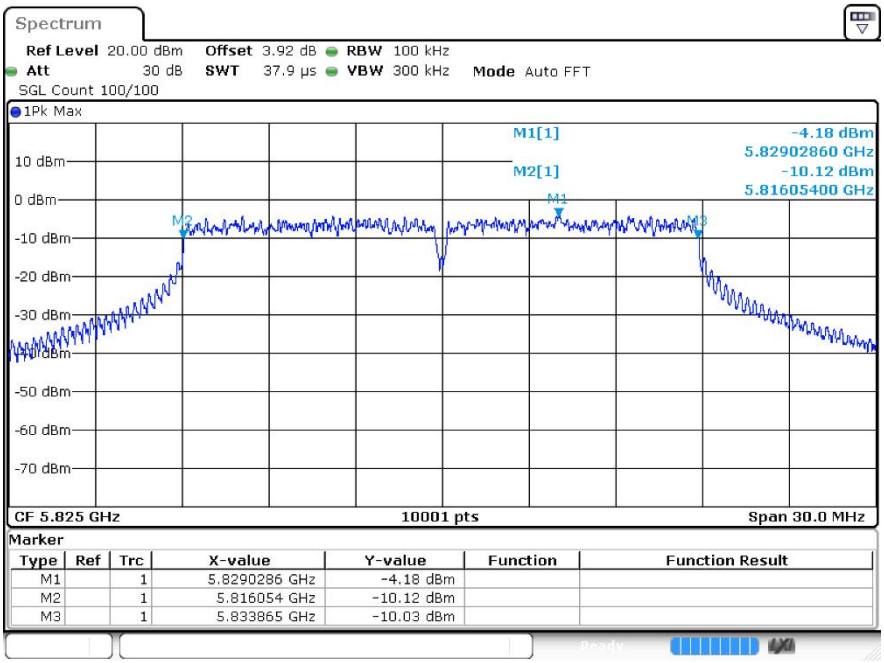
-6dB Bandwidth n20 5745MHz Ant1



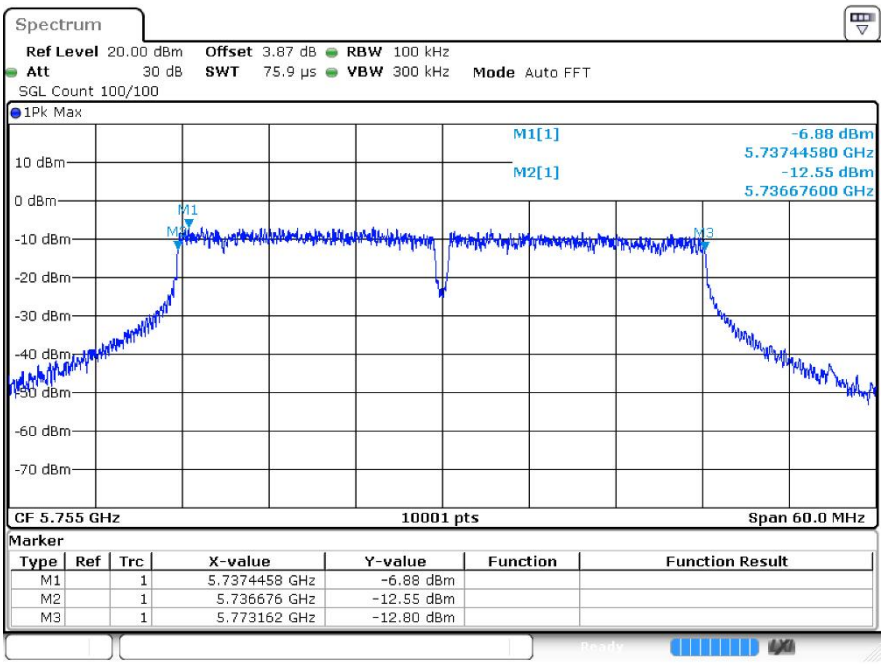
-6dB Bandwidth n20 5785MHz Ant1



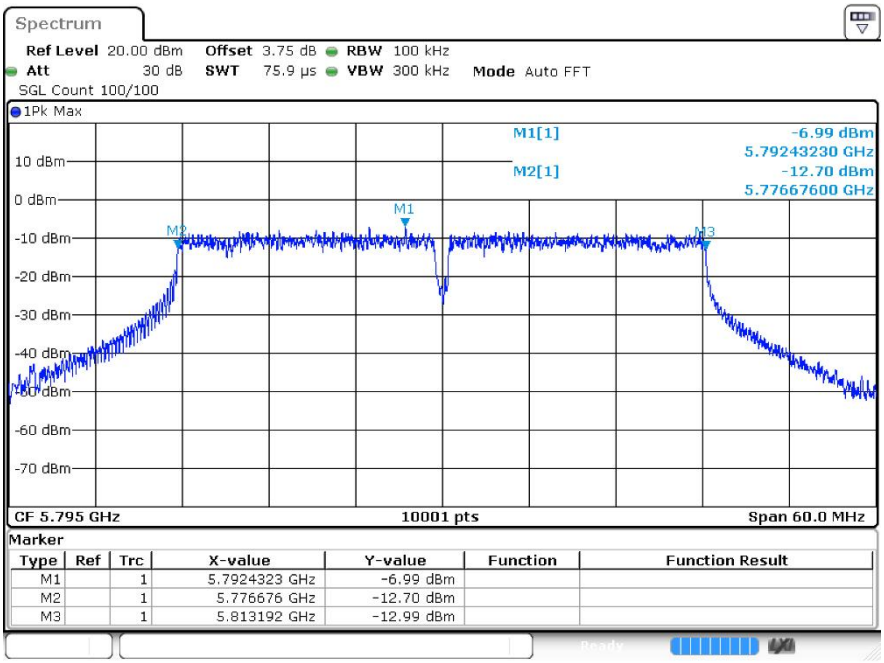
-6dB Bandwidth n20 5825MHz Ant1



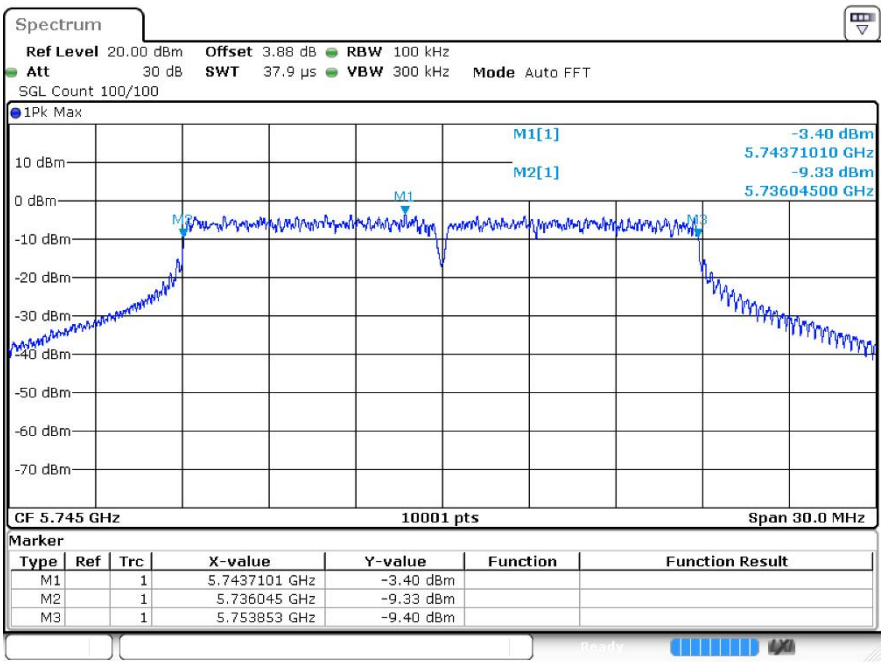
-6dB Bandwidth n40 5755MHz Ant1



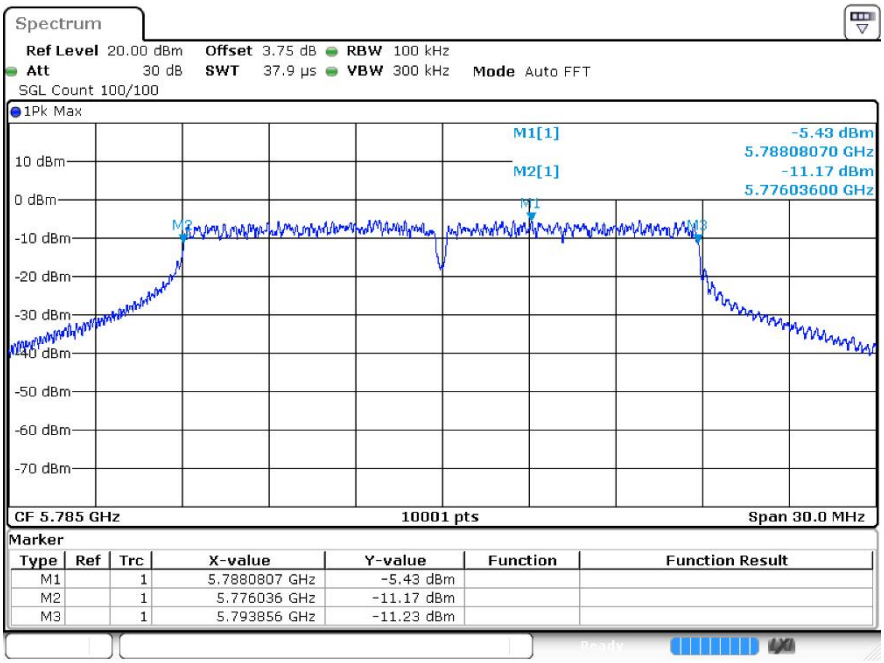
-6dB Bandwidth n40 5795MHz Ant1



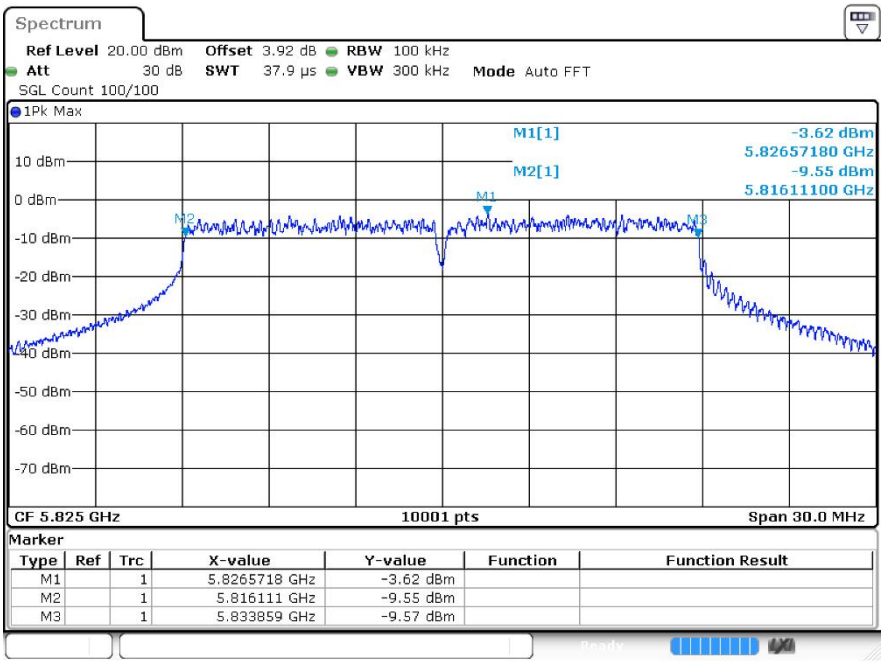
-6dB Bandwidth ac20 5745MHz Ant1



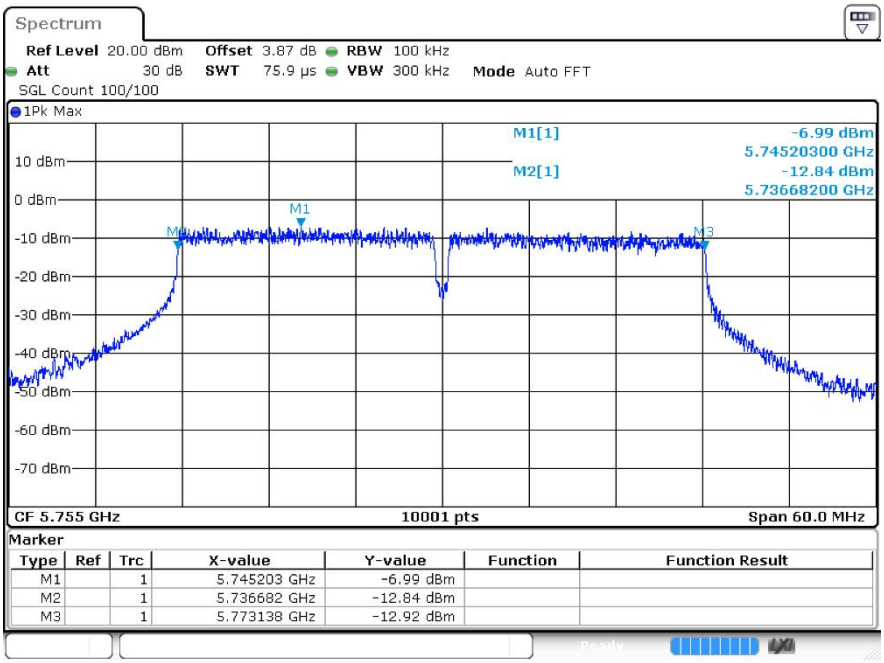
-6dB Bandwidth ac20 5785MHz Ant1



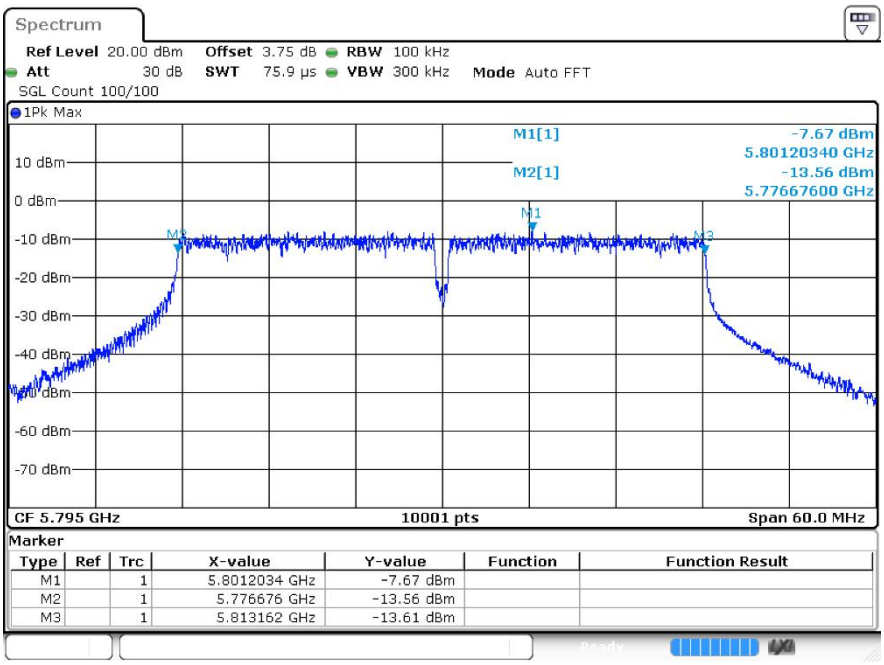
-6dB Bandwidth ac20 5825MHz Ant1



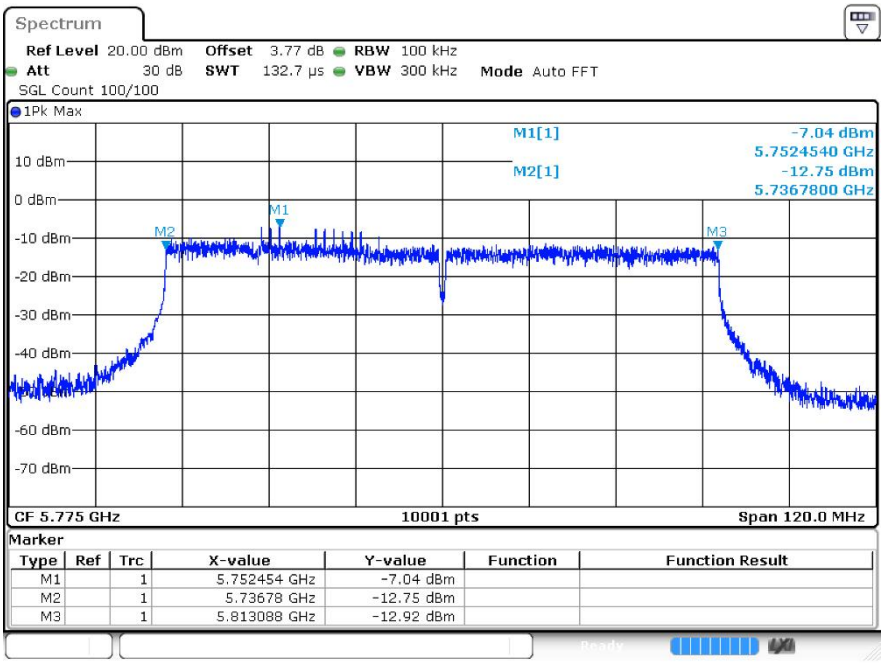
-6dB Bandwidth ac40 5755MHz Ant1



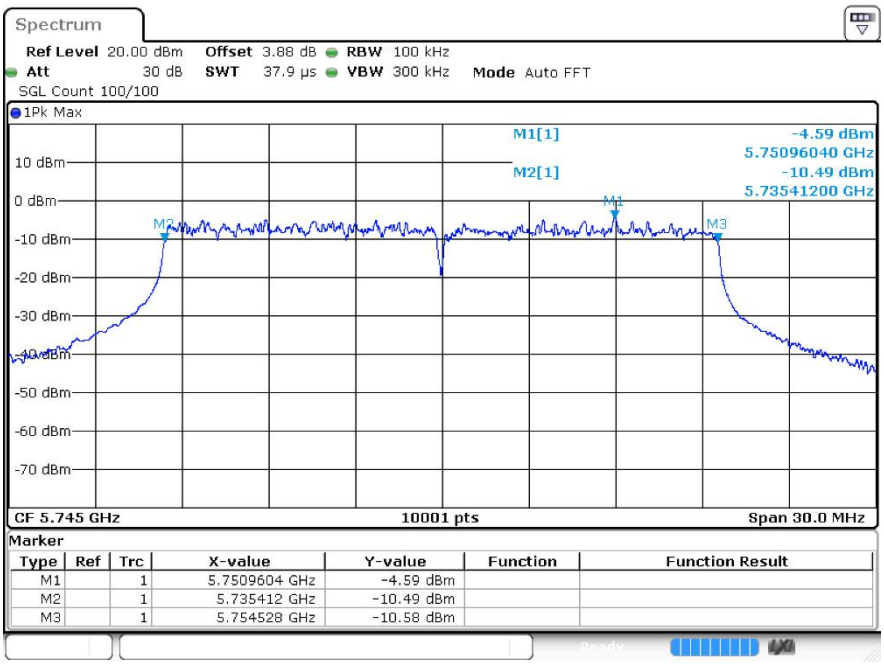
-6dB Bandwidth ac40 5795MHz Ant1



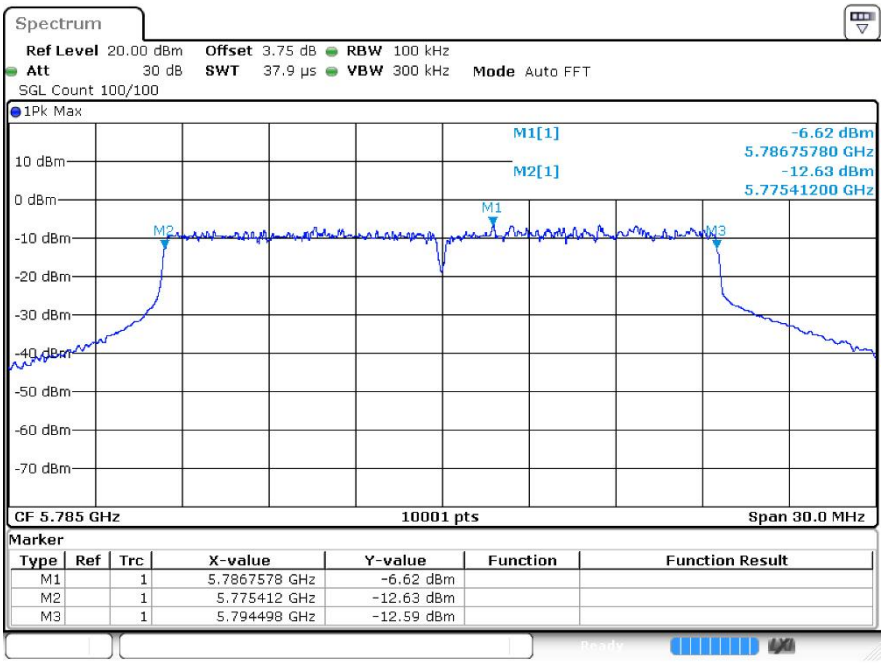
-6dB Bandwidth ac80 5775MHz Ant1



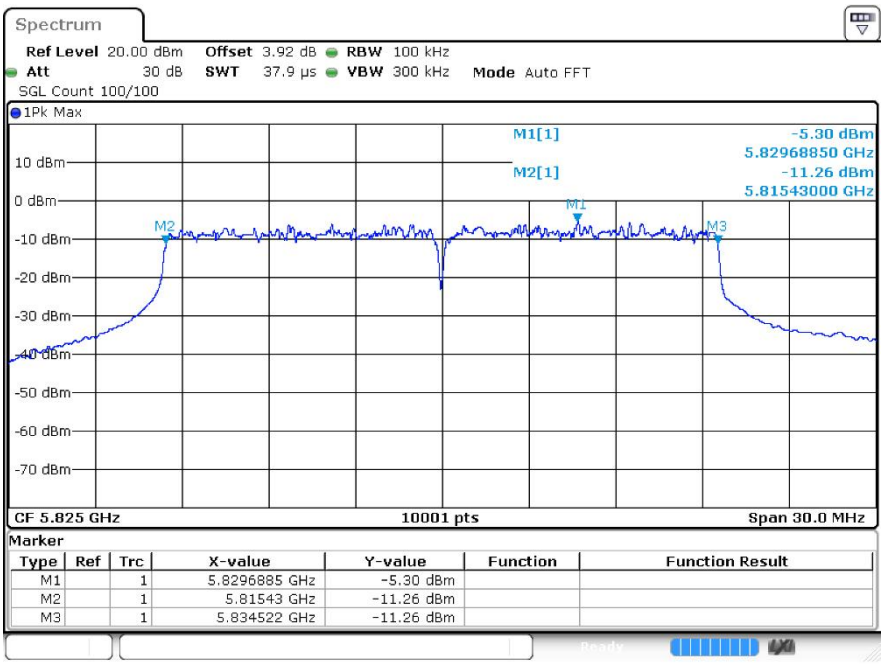
-6dB Bandwidth ax20 5745MHz Ant1



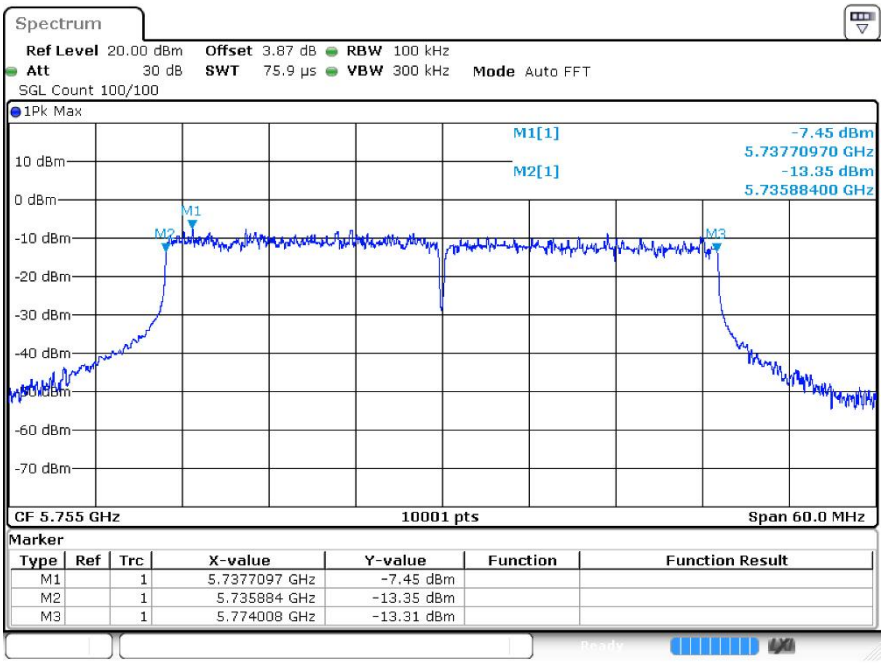
-6dB Bandwidth ax20 5785MHz Ant1



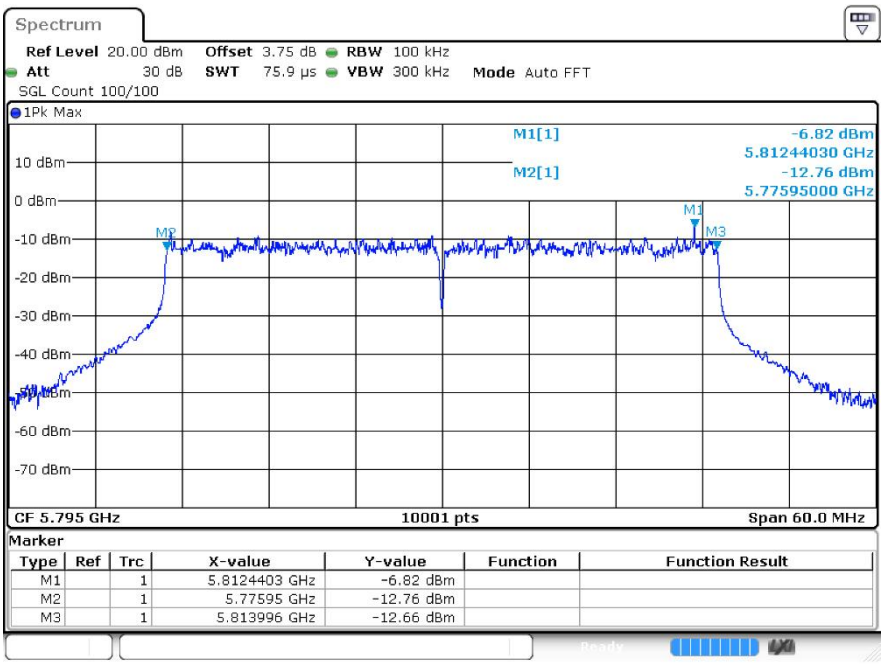
-6dB Bandwidth ax20 5825MHz Ant1



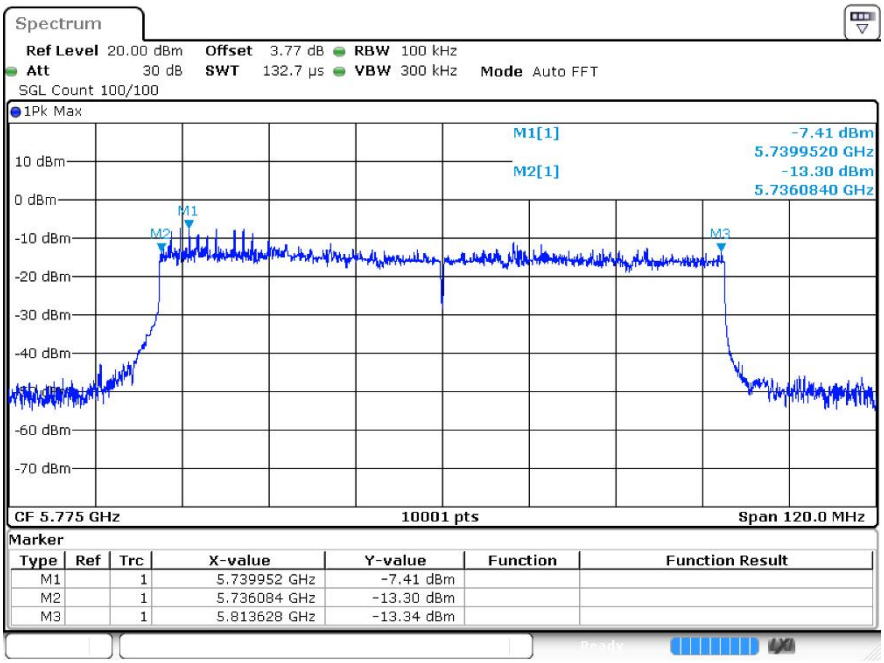
-6dB Bandwidth ax40 5755MHz Ant1



-6dB Bandwidth ax40 5795MHz Ant1



-6dB Bandwidth ax80 5775MHz Ant1



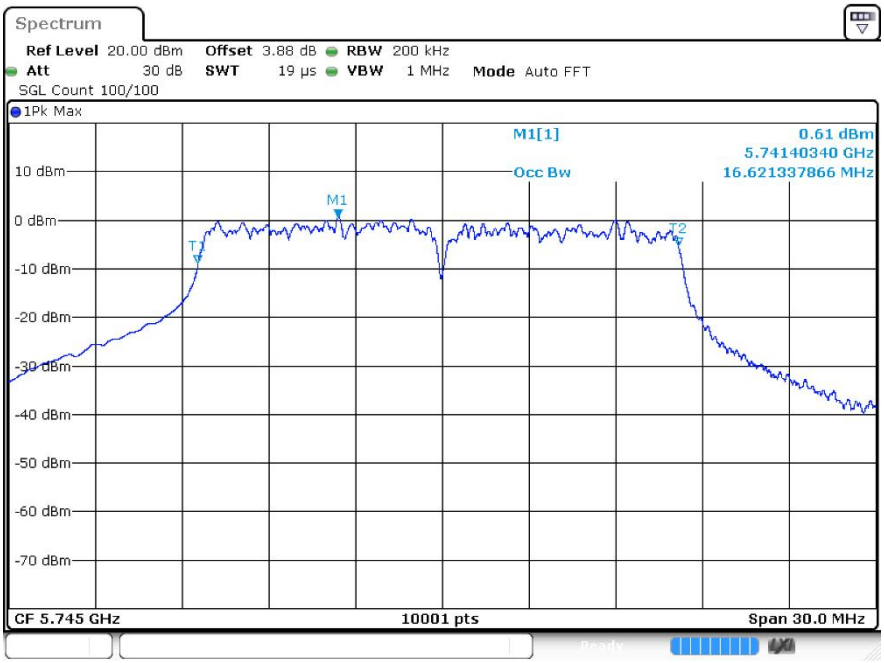
4 Occupied Channel Bandwidth

4.1 Test Result

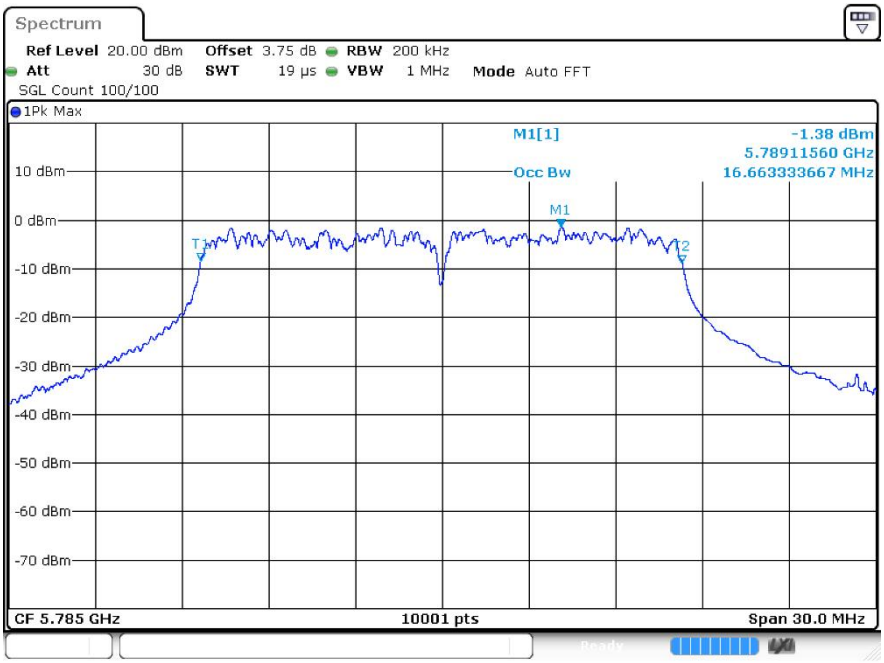
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	16.621
a	5785	Ant1	16.663
a	5825	Ant1	16.507
n20	5745	Ant1	17.785
n20	5785	Ant1	17.818
n20	5825	Ant1	17.857
n40	5755	Ant1	36.968
n40	5795	Ant1	37.226
ac20	5745	Ant1	17.899
ac20	5785	Ant1	17.665
ac20	5825	Ant1	17.869
ac40	5755	Ant1	36.494
ac40	5795	Ant1	36.794
ac80	5775	Ant1	76.396
ax20	5745	Ant1	19.498
ax20	5785	Ant1	19.48
ax20	5825	Ant1	19.069
ax40	5755	Ant1	37.94
ax40	5795	Ant1	37.976
ax80	5775	Ant1	77.86

4.2 Test Graphs

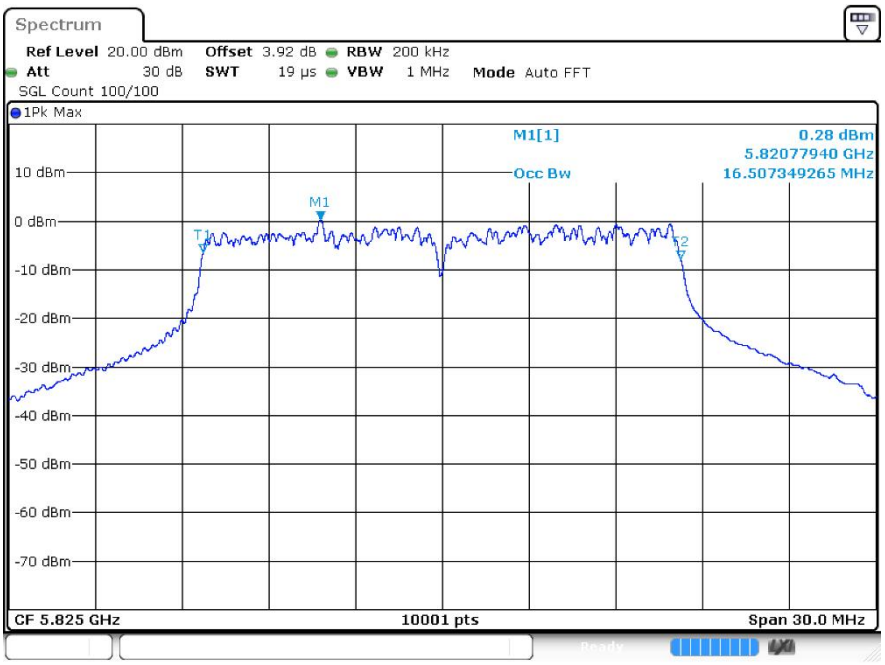
Test Graphs
OBW a 5745MHz Ant1



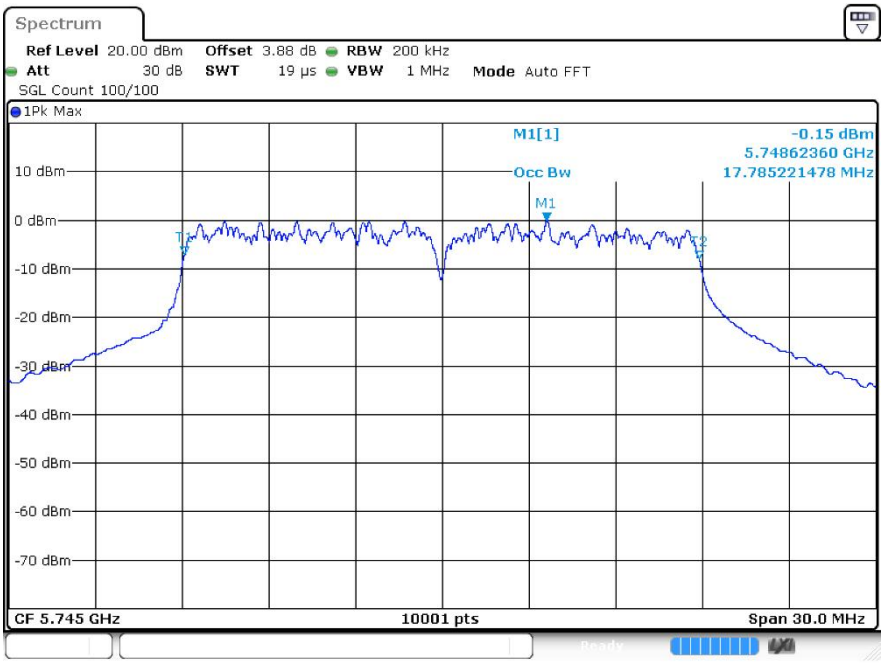
OBW a 5785MHz Ant1



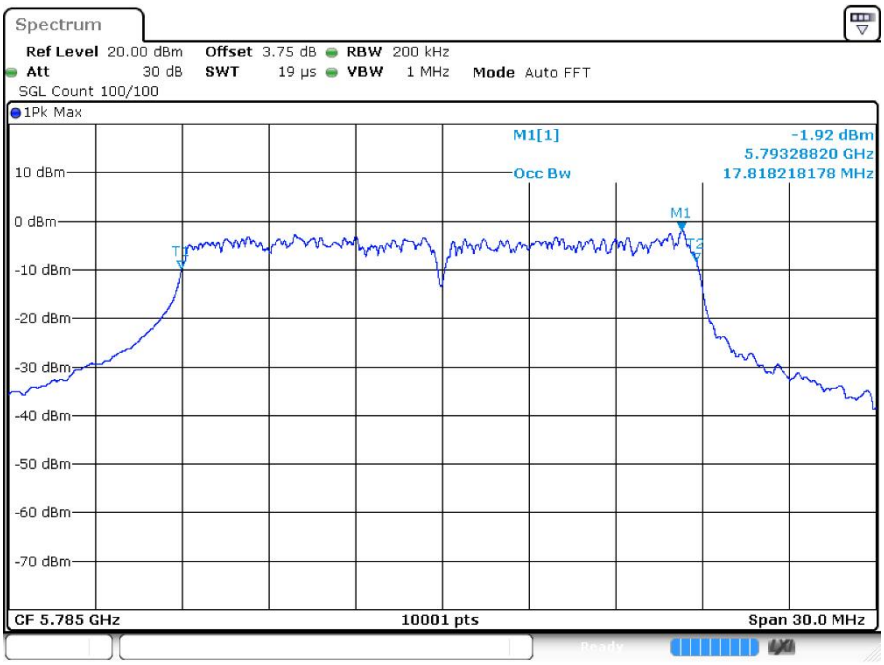
OBW a 5825MHz Ant1



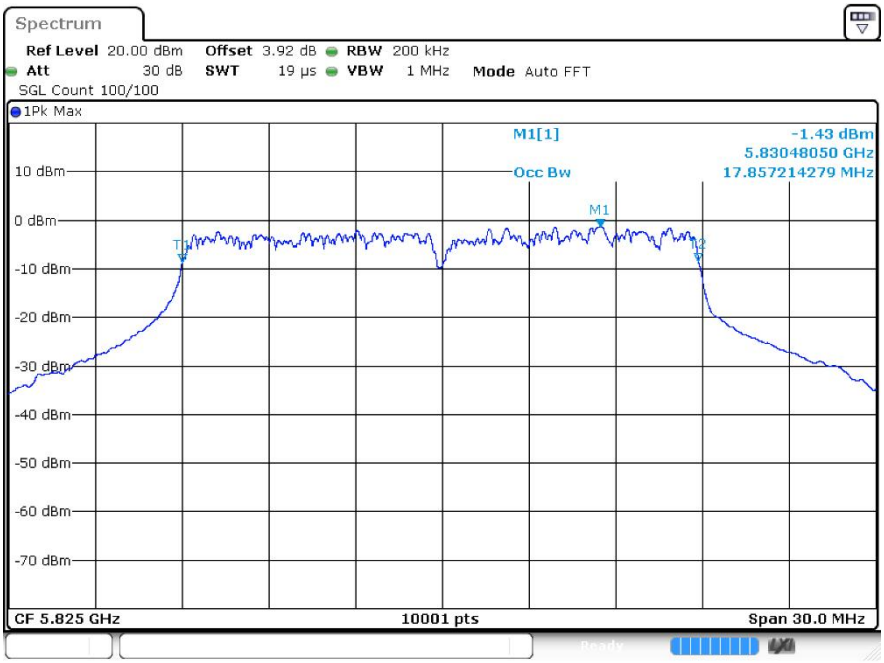
OBW n20 5745MHz Ant1



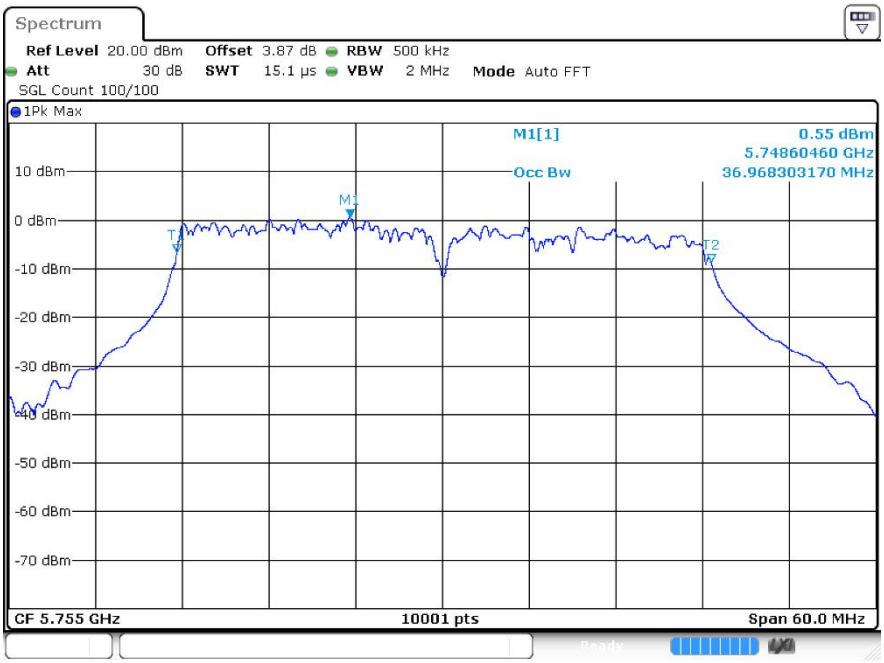
OBW n20 5785MHz Ant1



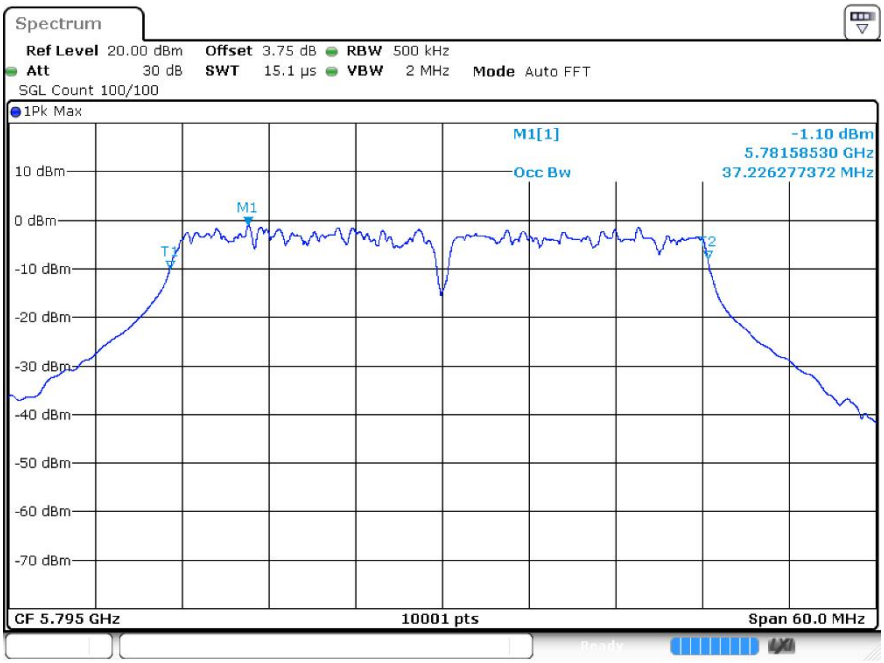
OBW n20 5825MHz Ant1



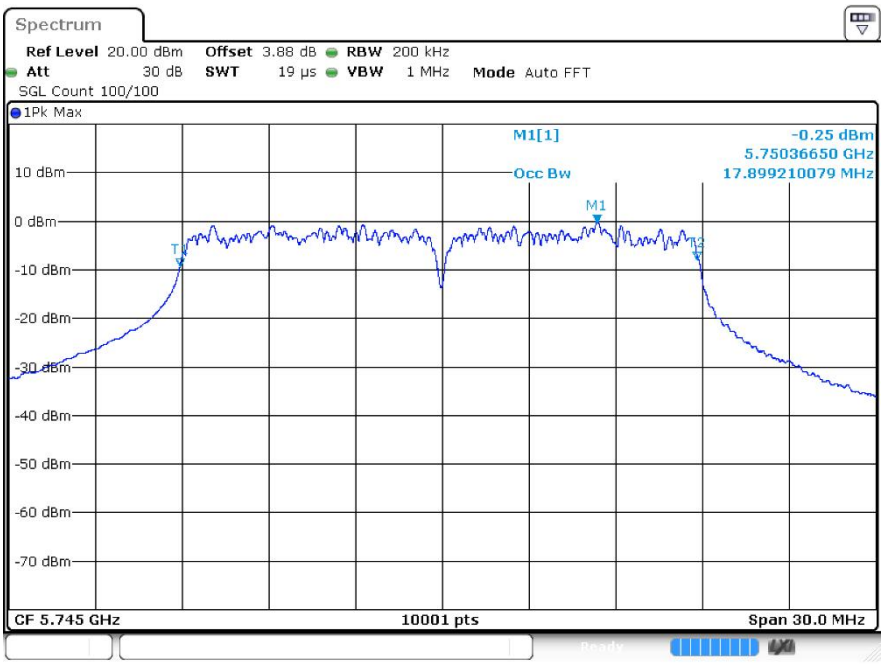
OBW n40 5755MHz Ant1



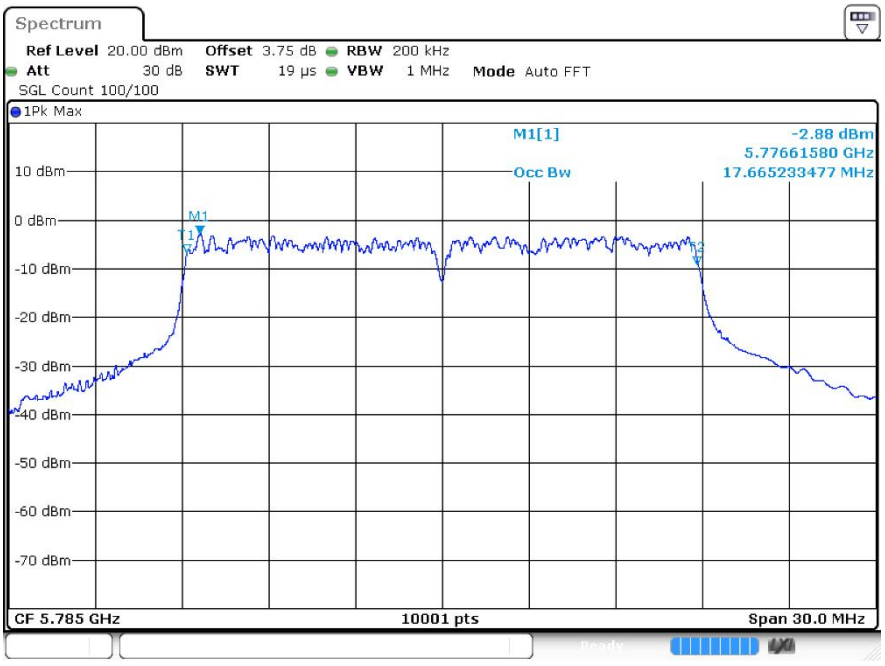
OBW n40 5795MHz Ant1



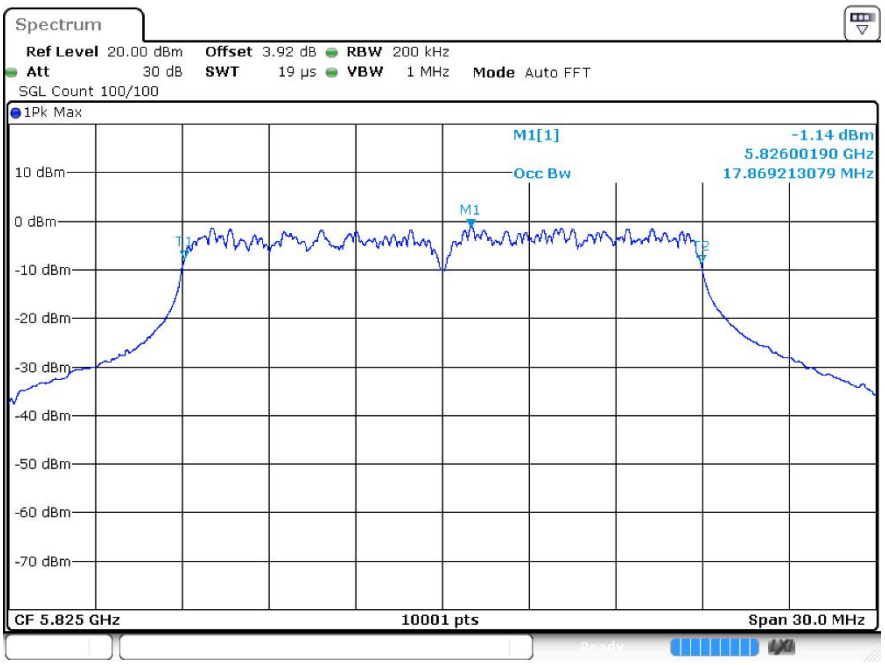
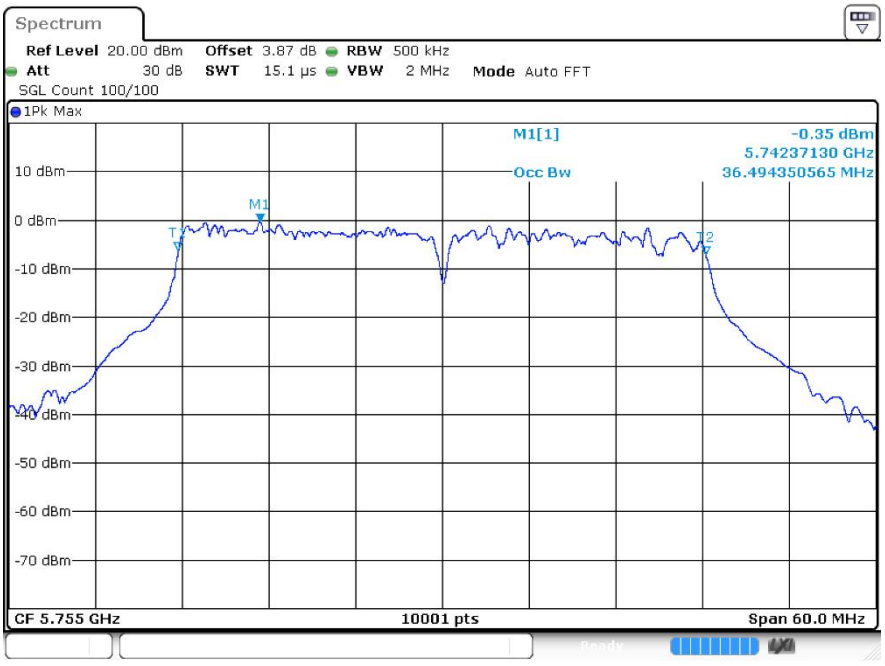
OBW ac20 5745MHz Ant1



OBW ac20 5785MHz Ant1



OBW ac20 5825MHz Ant1



OBW ac40 5755MHz Ant1