



Appendix RF test data for WIFI2.4G

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



Contents

	Page
COVER PAGE	
1 Duty Cycle.....	3
1.1 Test Result.....	3
1.2 Test Graphs.....	4
2 Maximum Conducted Output Power.....	16
2.1 Test Result.....	16
3 -6dB Bandwidth.....	17
3.1 Test Result.....	17
3.2 Test Graphs.....	18
4 Maximum Power Spectral Density Level.....	30
4.1 Test Result.....	30
4.2 Test Graphs.....	31
5 Band Edge.....	43
5.1 Test Result.....	43
5.2 Test Graphs.....	44
6 Conducted RF Spurious Emission.....	60
6.1 Test Result.....	60
6.2 Test Graphs.....	61

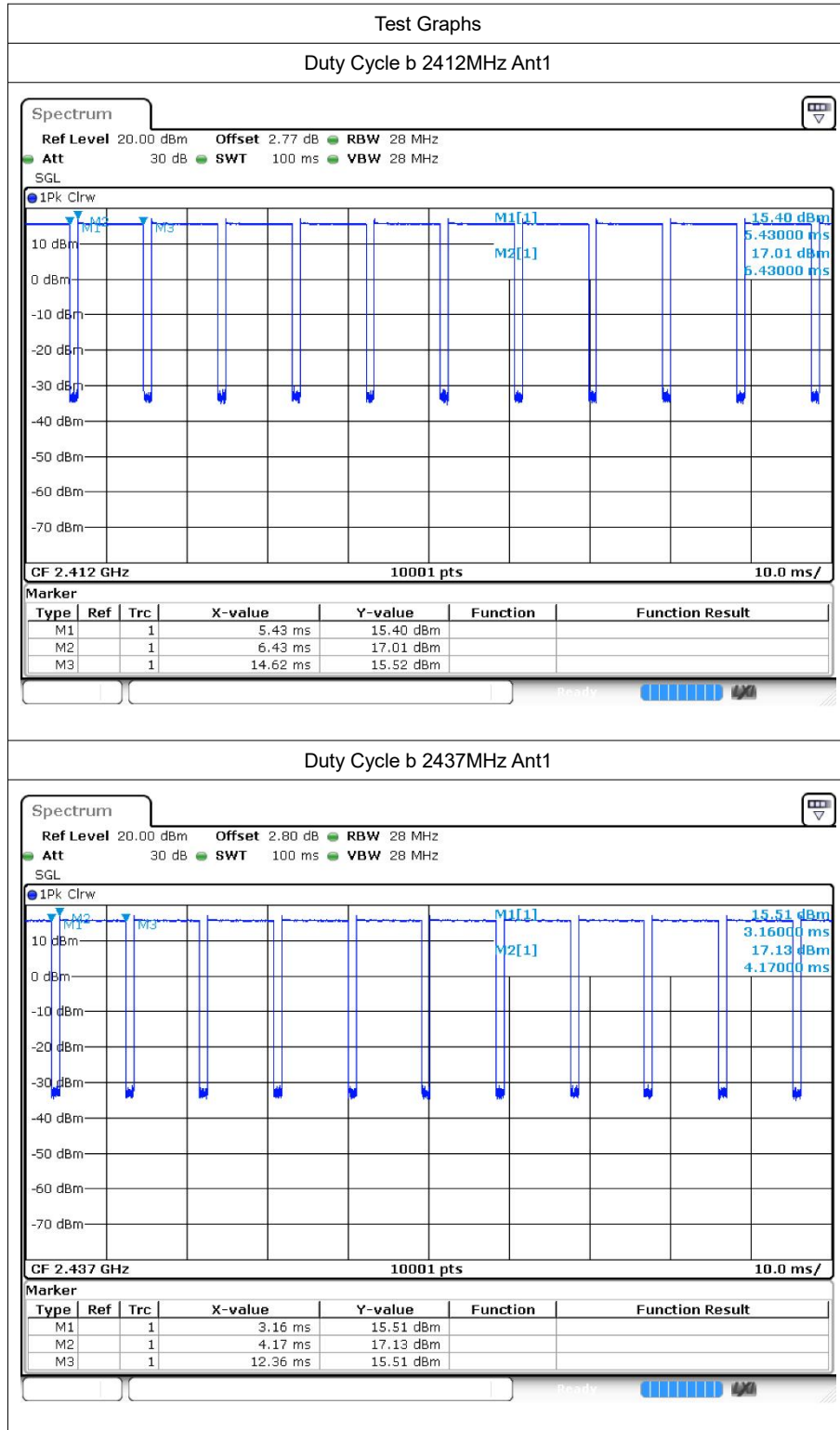


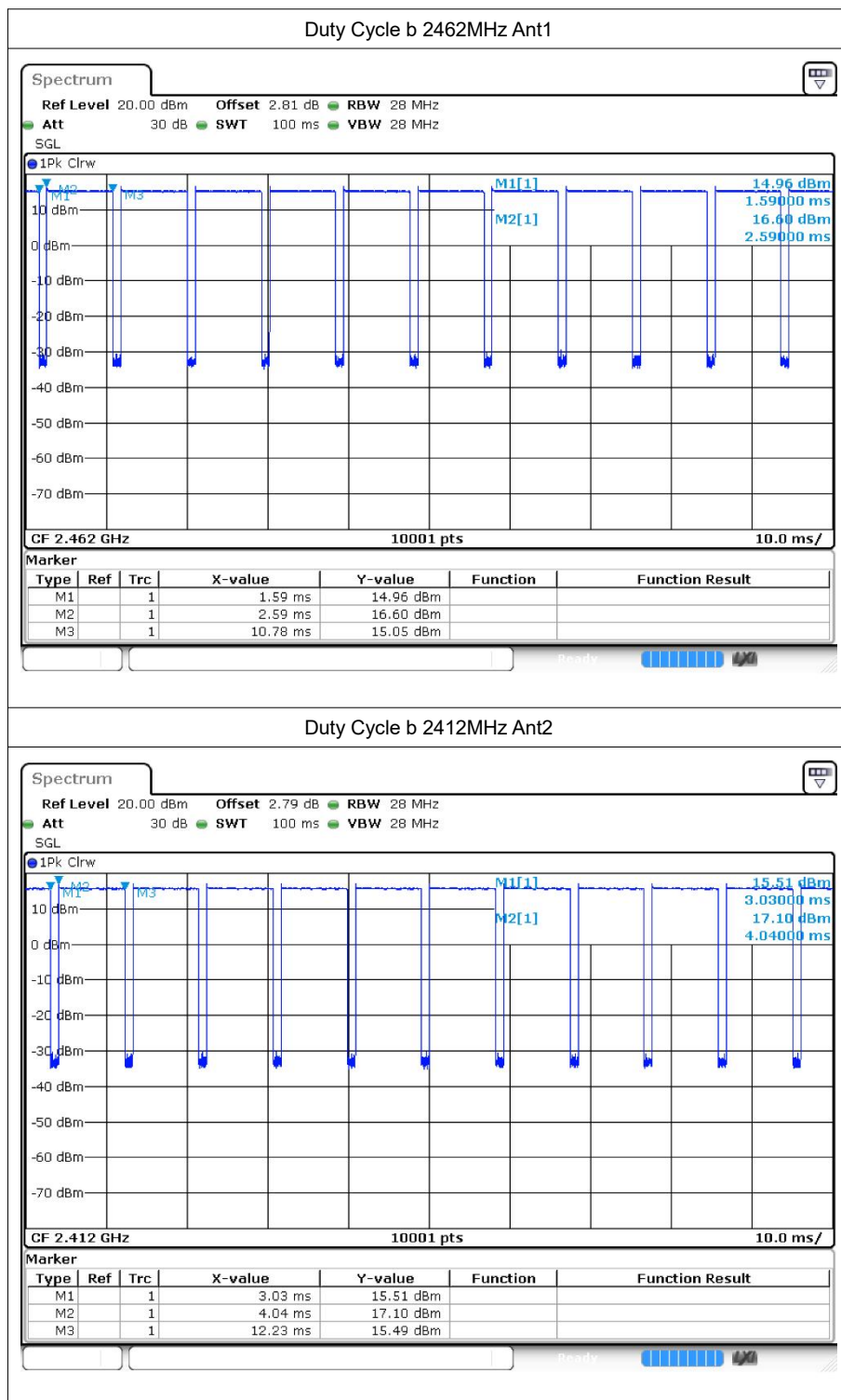
1 Duty Cycle

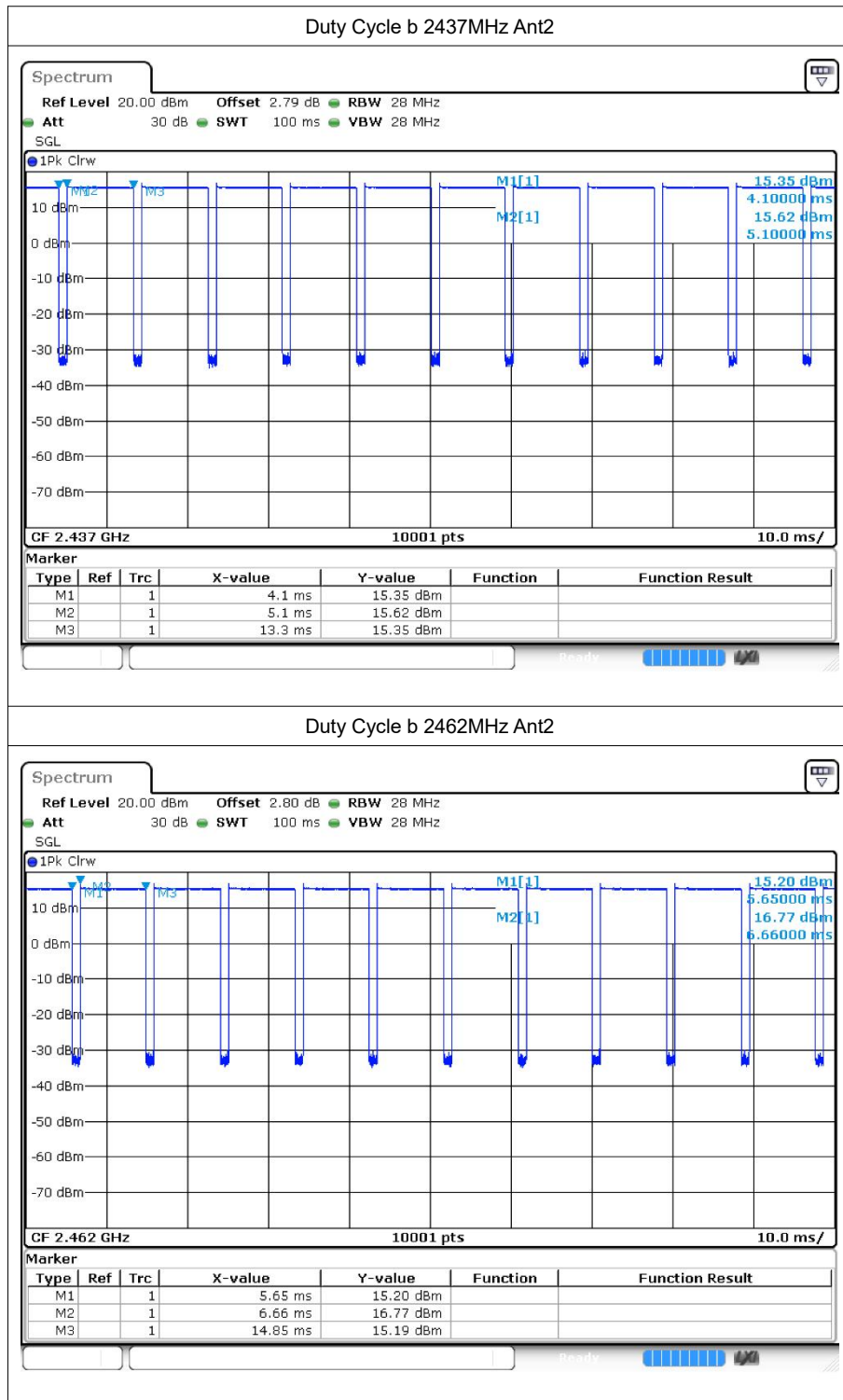
1.1 Test Result

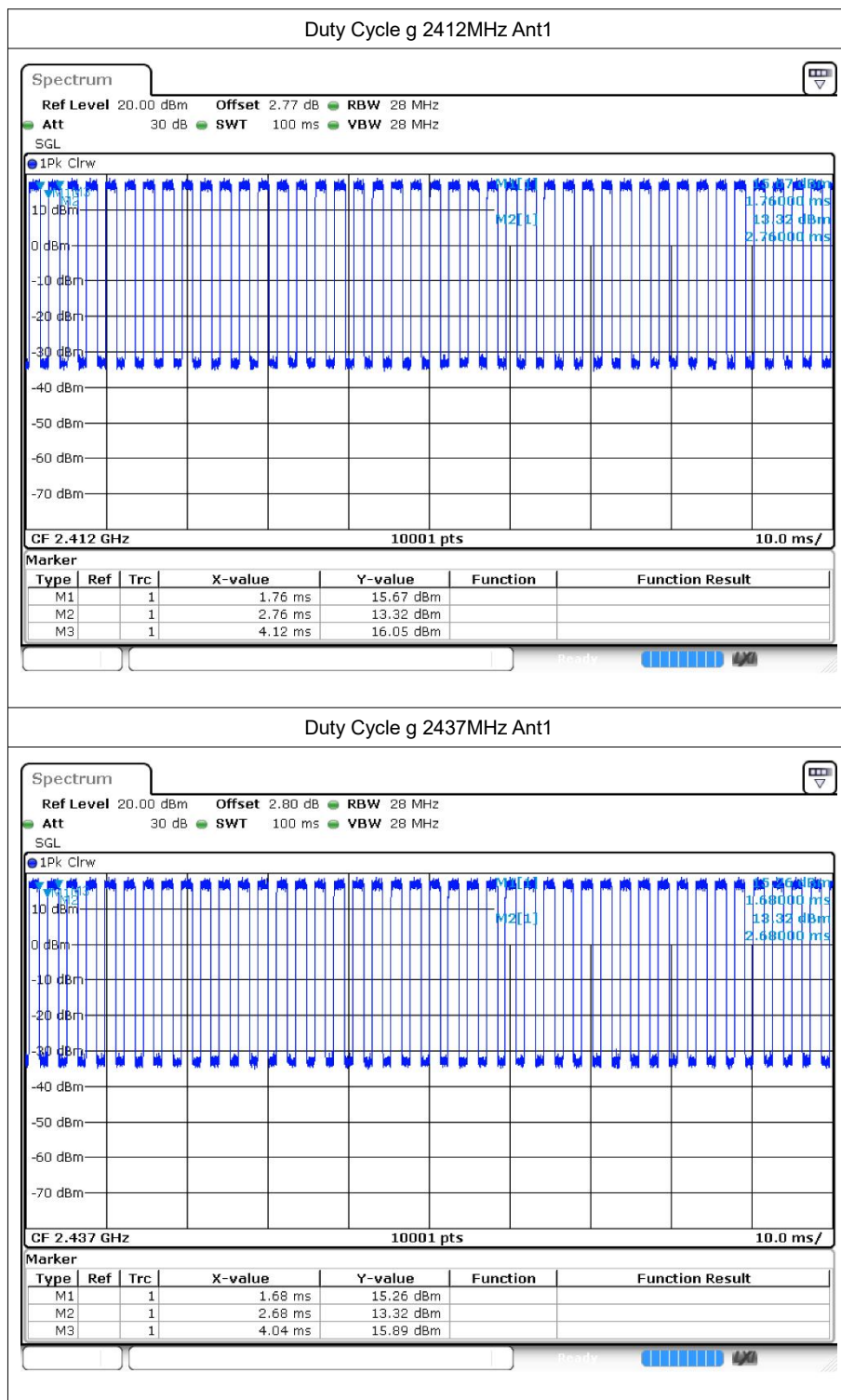
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	89.06	0.5	0.12
b	2437	Ant1	89.04	0.5	0.12
b	2462	Ant1	89.07	0.5	0.12
b	2412	Ant2	89.07	0.5	0.12
b	2437	Ant2	89.08	0.5	0.12
b	2462	Ant2	89.07	0.5	0.12
g	2412	Ant1	89.06	0.5	0.12
g	2437	Ant1	89.04	0.5	0.12
g	2462	Ant1	89.07	0.5	0.12
g	2412	Ant2	89.07	0.5	0.12
g	2437	Ant2	89.08	0.5	0.12
g	2462	Ant2	89.07	0.5	0.12
n20	2412	Ant1	56.45	2.48	0.79
n20	2437	Ant1	56.23	2.5	0.79
n20	2462	Ant1	56.28	2.5	0.79
n20	2412	Ant2	56.26	2.5	0.78
n20	2437	Ant2	56.38	2.49	0.79
n20	2462	Ant2	56.3	2.49	0.78
n40	2422	Ant1	39.37	4.05	1.59
n40	2437	Ant1	39.21	4.07	1.56
n40	2452	Ant1	39.37	4.05	1.59
n40	2422	Ant2	39.35	4.05	1.59
n40	2437	Ant2	39.37	4.05	1.59
n40	2452	Ant2	39.35	4.05	1.59

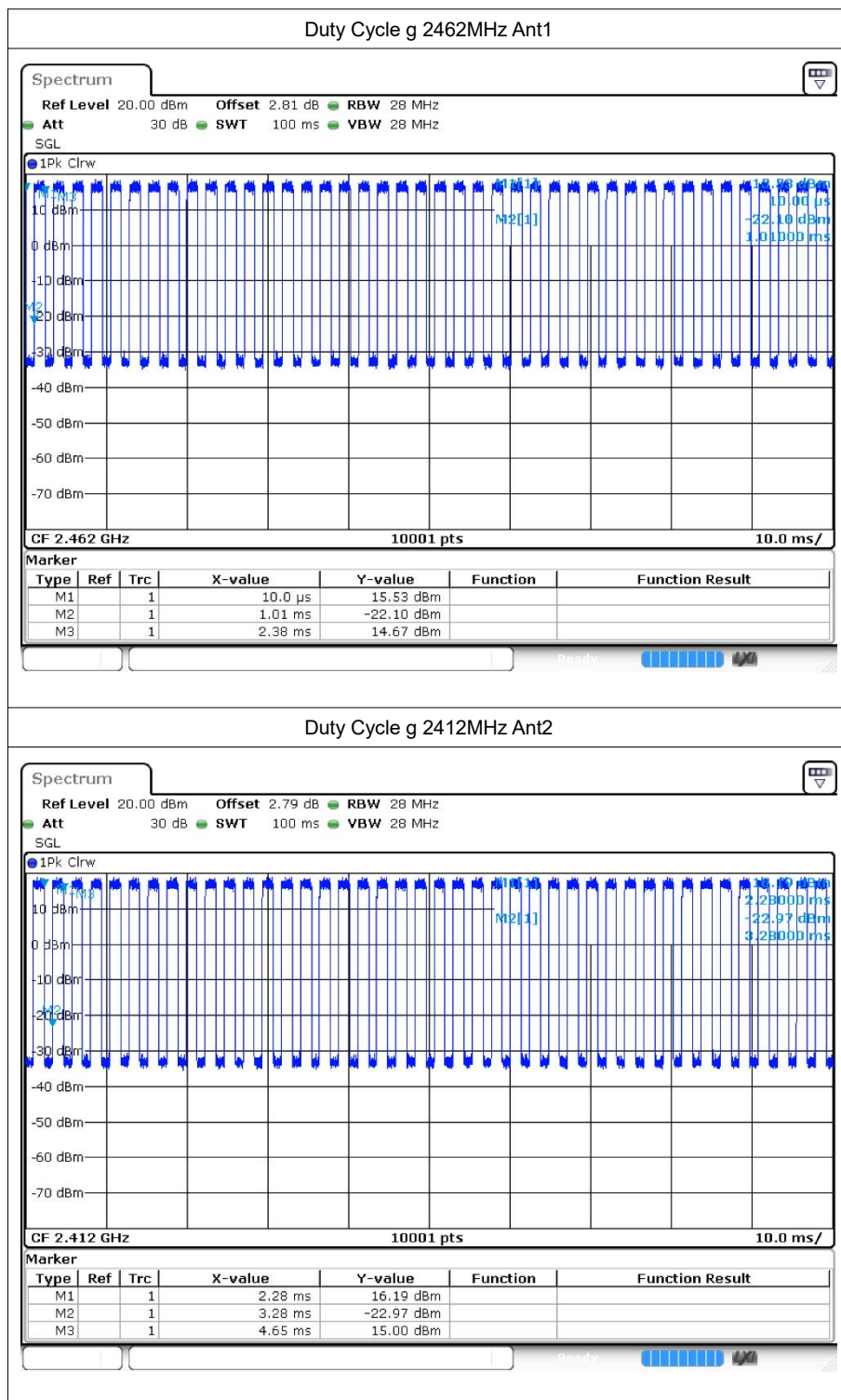
1.2 Test Graphs

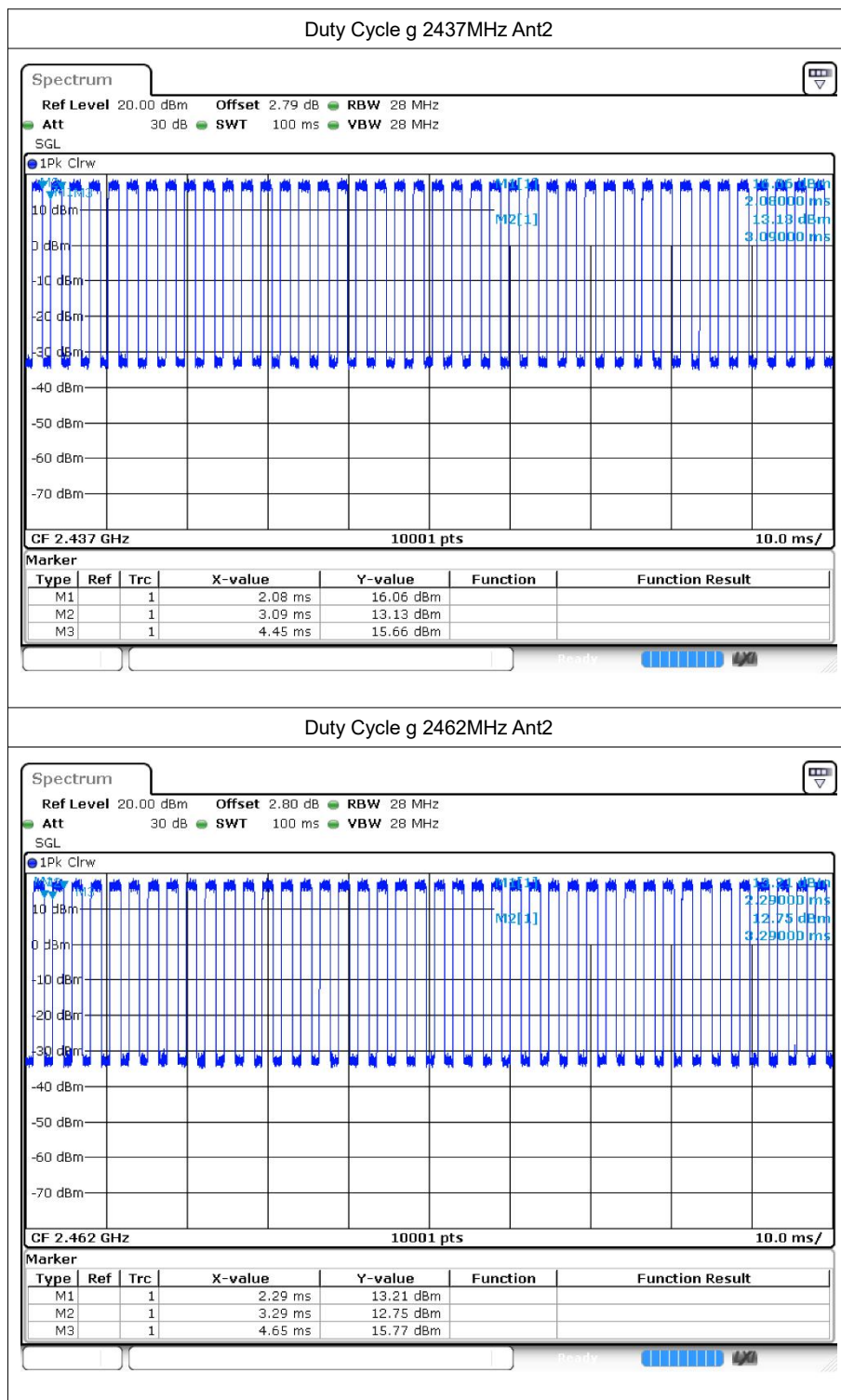


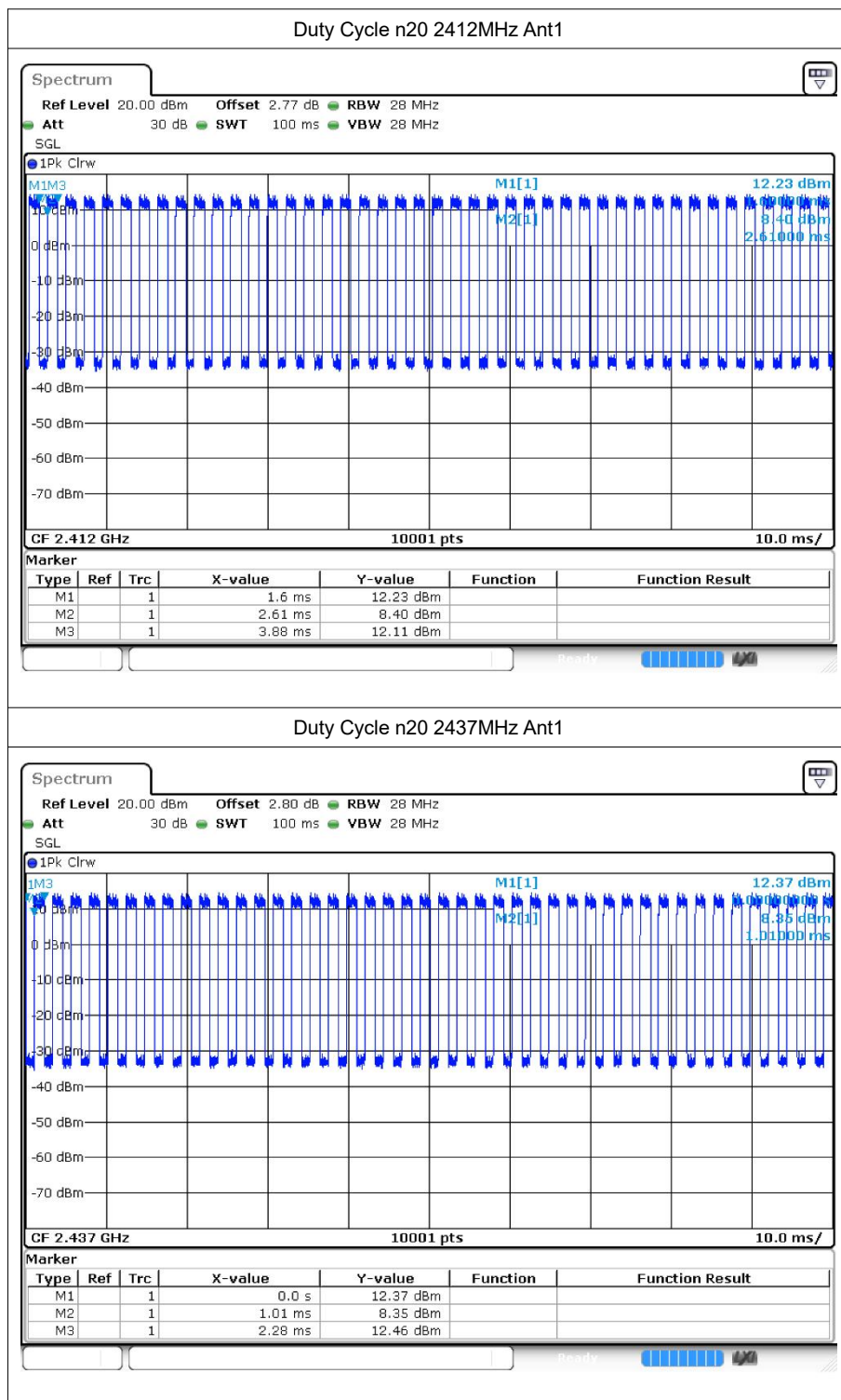


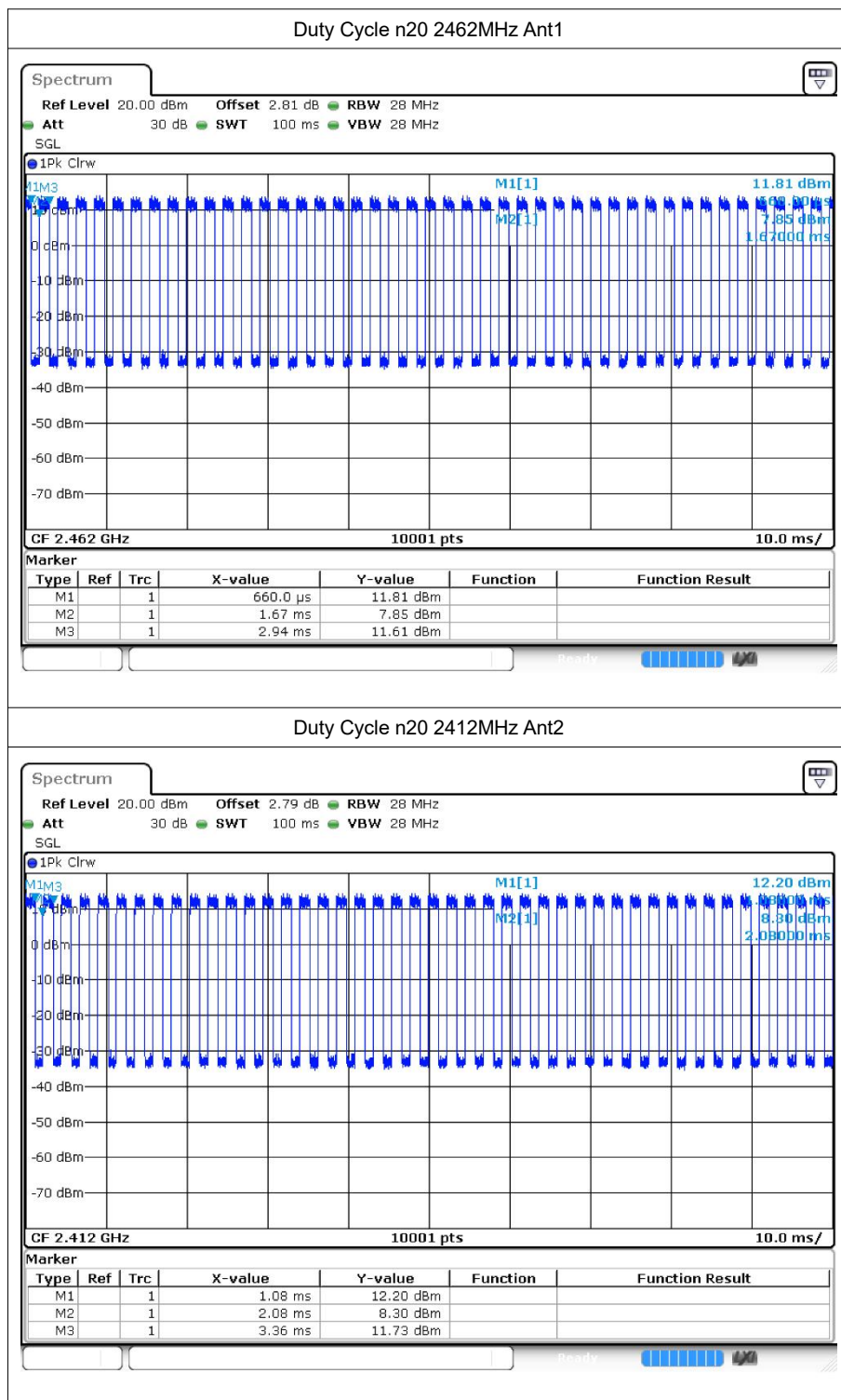


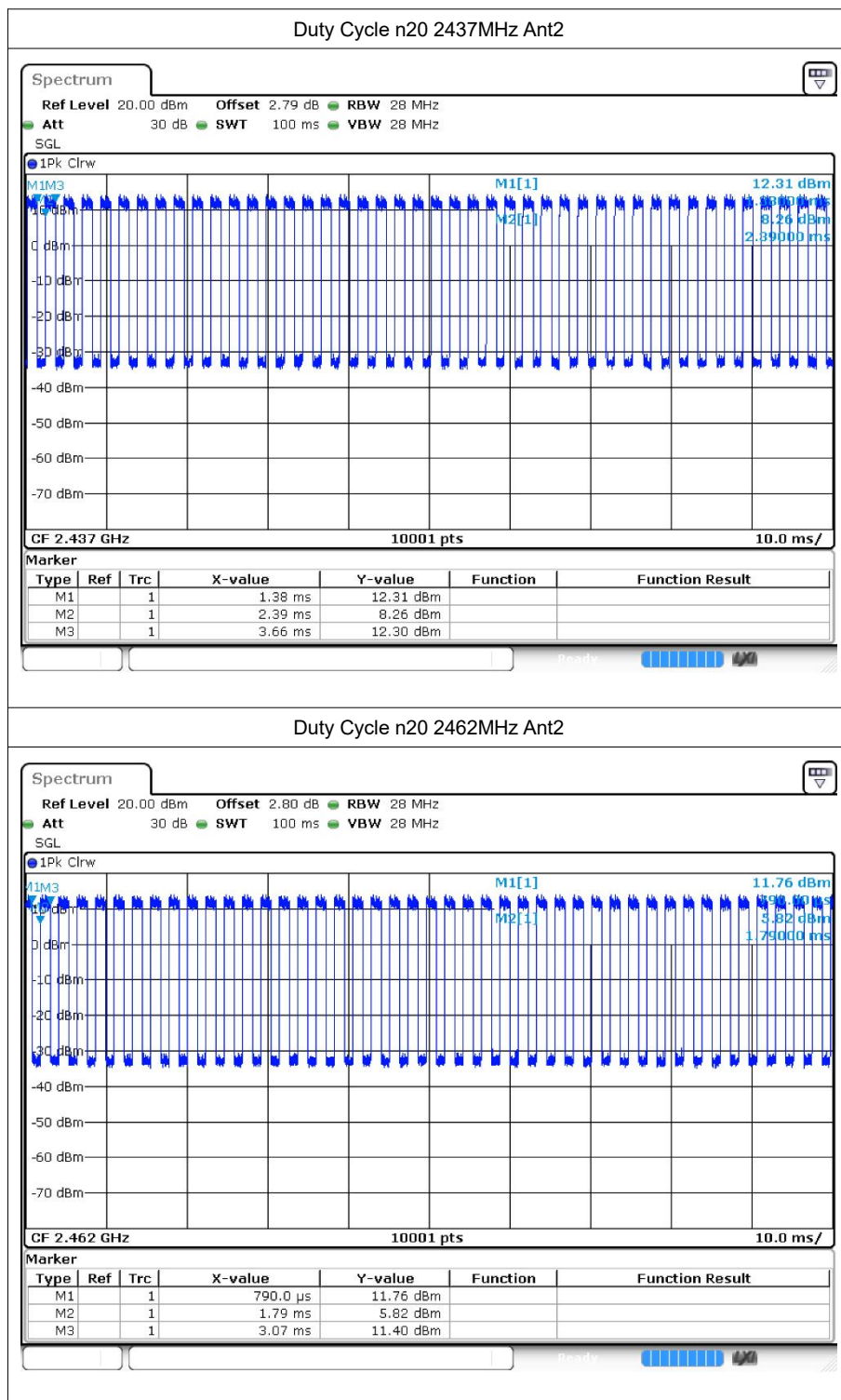




















2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	ANT1 Conducted Power (dBm)	ANT2 Conducted Power (dBm)	SUM Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	17.14	17.08	/	30	Pass
b	2437	17.1	16.91	/	30	Pass
b	2462	16.63	16.18	/	30	Pass
g	2412	15.61	15.55	/	30	Pass
g	2437	15.38	15.3	/	30	Pass
g	2462	14.98	15.1	/	30	Pass
n20	2412	11.92	11.99	14.97	30	Pass
n20	2437	12.04	11.81	14.94	30	Pass
n20	2462	11.4	11.75	14.59	30	Pass
n40	2422	11.87	11.99	14.94	30	Pass
n40	2437	11.73	11.71	14.73	30	Pass
n40	2452	11.59	11.56	14.59	30	Pass

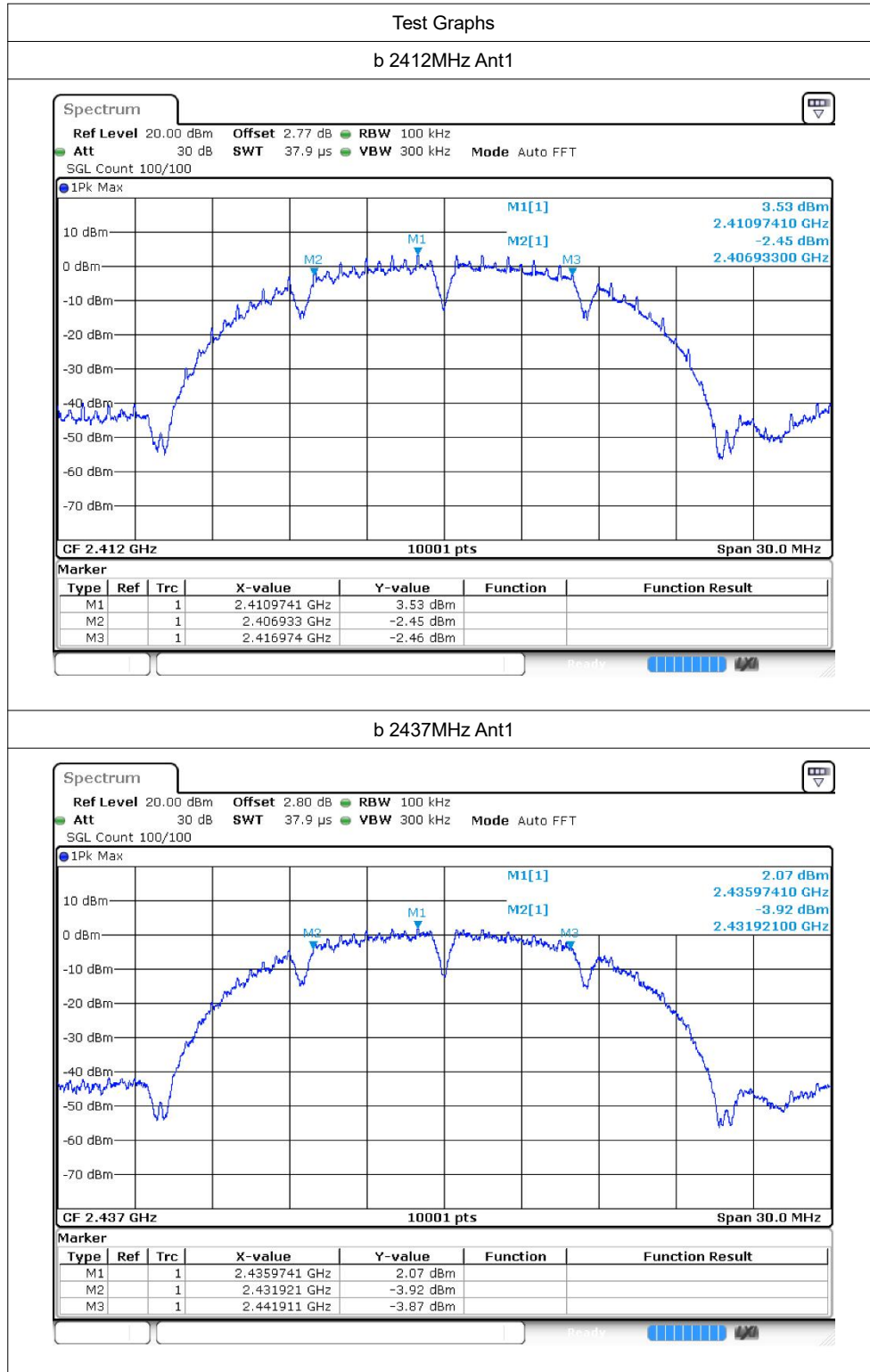


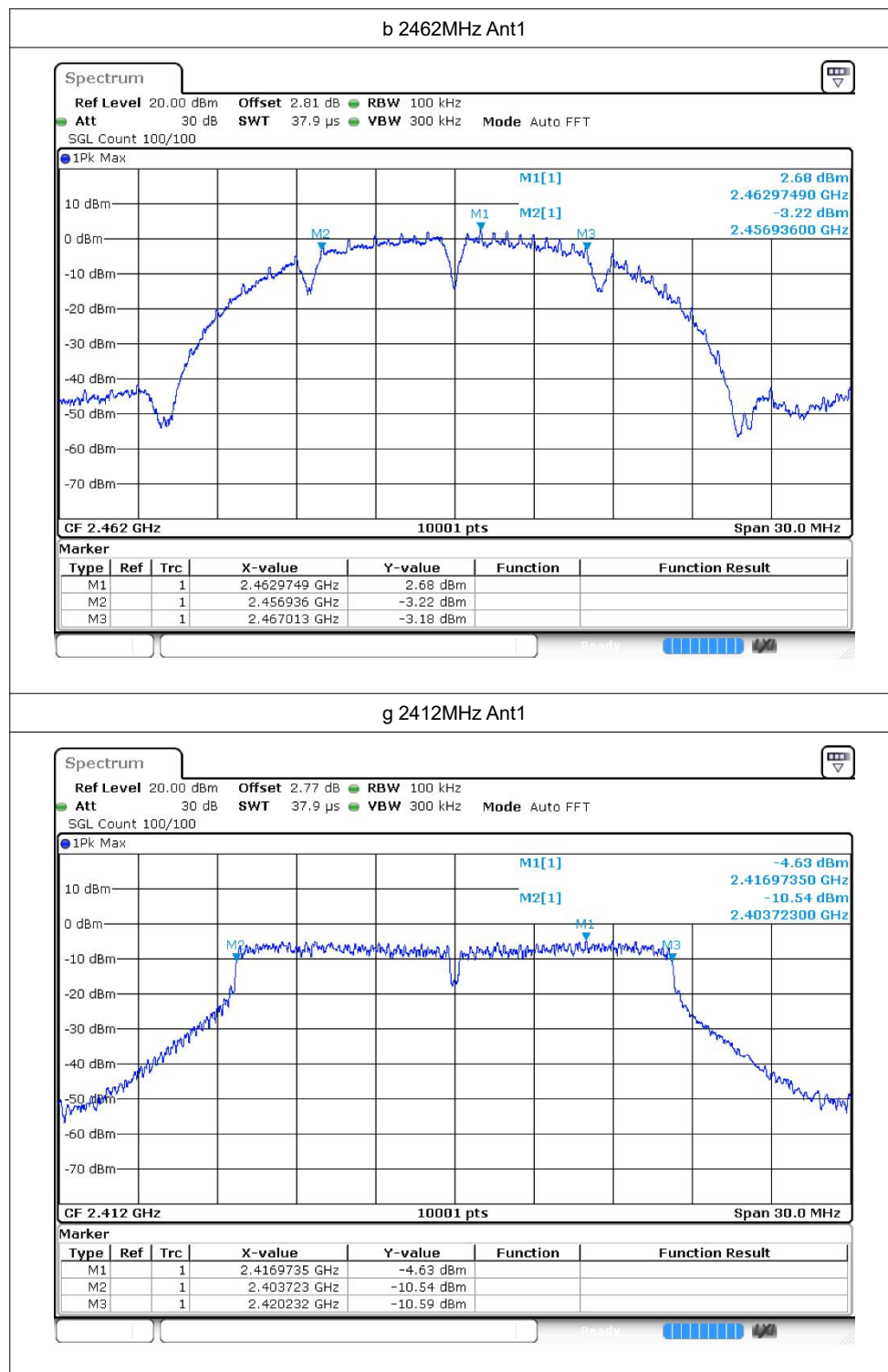
3 -6dB Bandwidth

3.1 Test Result

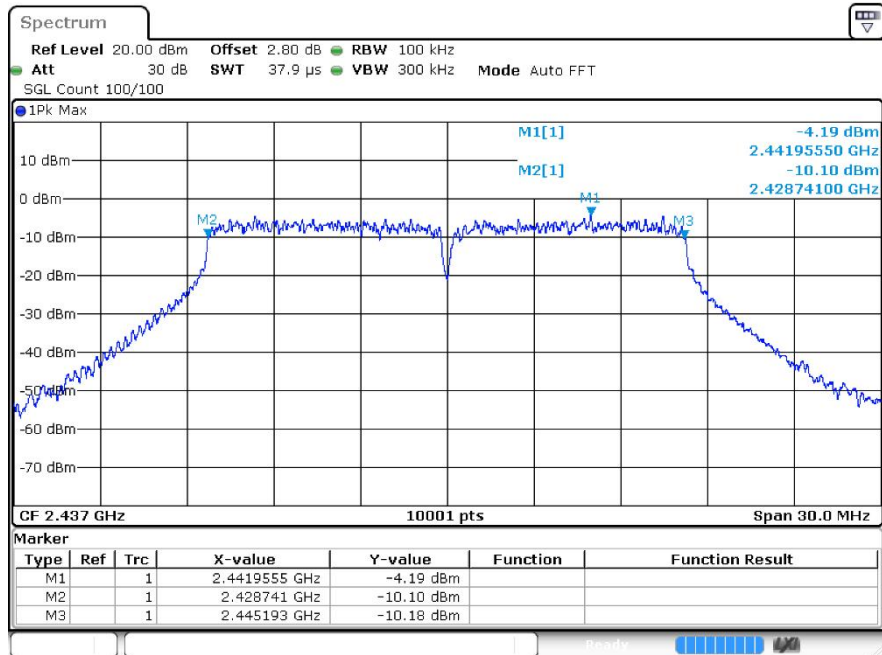
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.041	0.5	Pass
b	2437	Ant1	9.99	0.5	Pass
b	2462	Ant1	10.077	0.5	Pass
g	2412	Ant1	16.509	0.5	Pass
g	2437	Ant1	16.452	0.5	Pass
g	2462	Ant1	16.374	0.5	Pass
n20	2412	Ant1	16.914	0.5	Pass
n20	2437	Ant1	17.553	0.5	Pass
n20	2462	Ant1	17.535	0.5	Pass
n40	2422	Ant1	36	0.5	Pass
n40	2437	Ant1	36.084	0.5	Pass
n40	2452	Ant1	35.784	0.5	Pass
b	2412	Ant2	10.071	0.5	Pass
b	2437	Ant2	10.086	0.5	Pass
b	2462	Ant2	10.077	0.5	Pass
g	2412	Ant2	16.542	0.5	Pass
g	2437	Ant2	16.308	0.5	Pass
g	2462	Ant2	16.521	0.5	Pass
n20	2412	Ant2	17.148	0.5	Pass
n20	2437	Ant2	17.592	0.5	Pass
n20	2462	Ant2	16.266	0.5	Pass
n40	2422	Ant2	35.148	0.5	Pass
n40	2437	Ant2	36.066	0.5	Pass
n40	2452	Ant2	35.334	0.5	Pass

3.2 Test Graphs

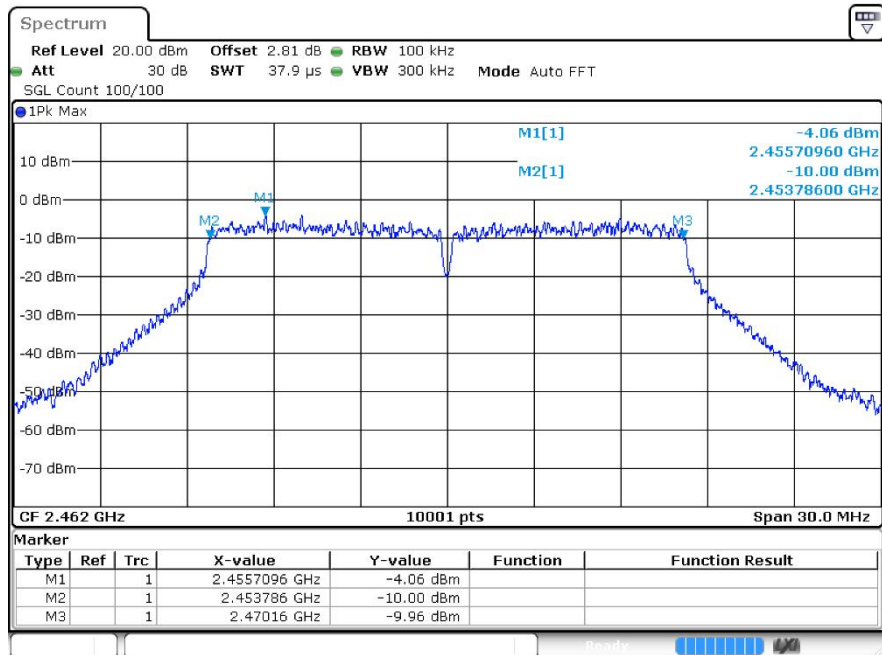


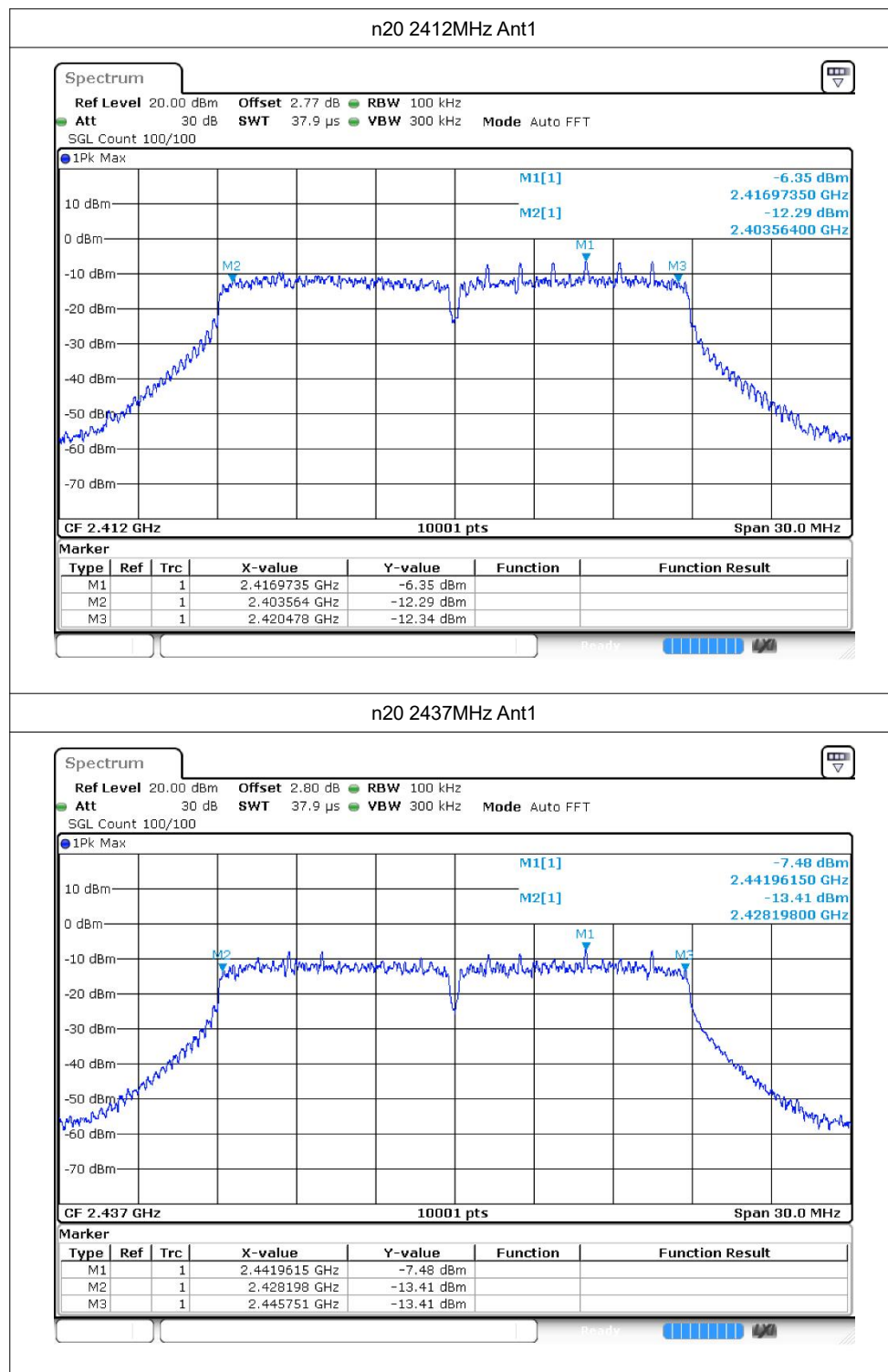


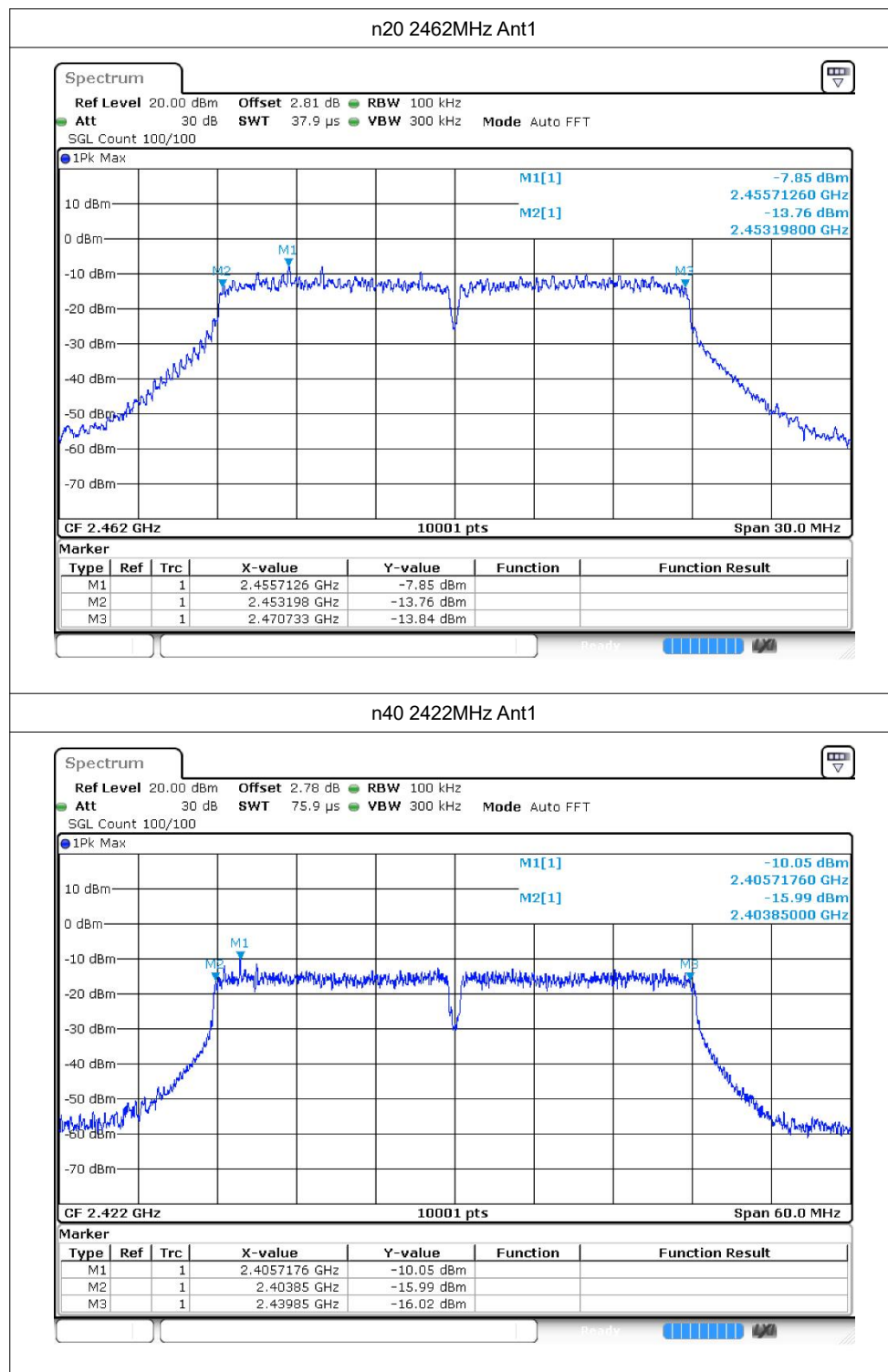
g 2437MHz Ant1

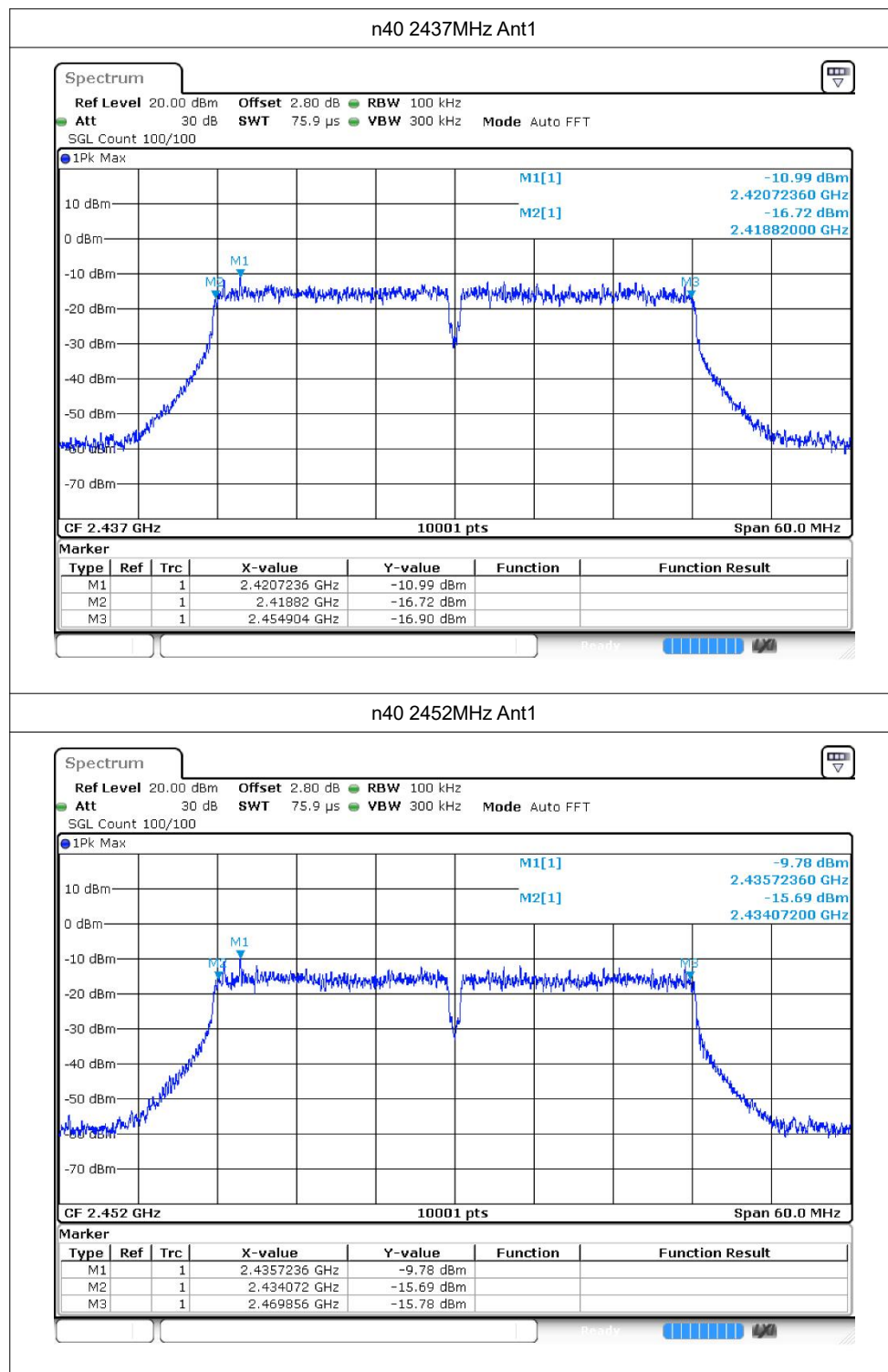


g 2462MHz Ant1

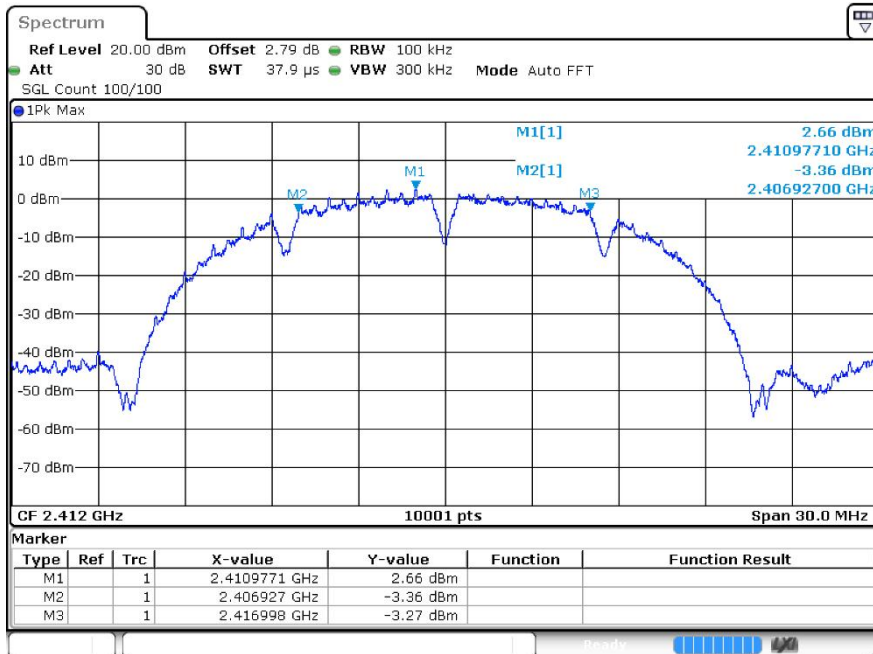




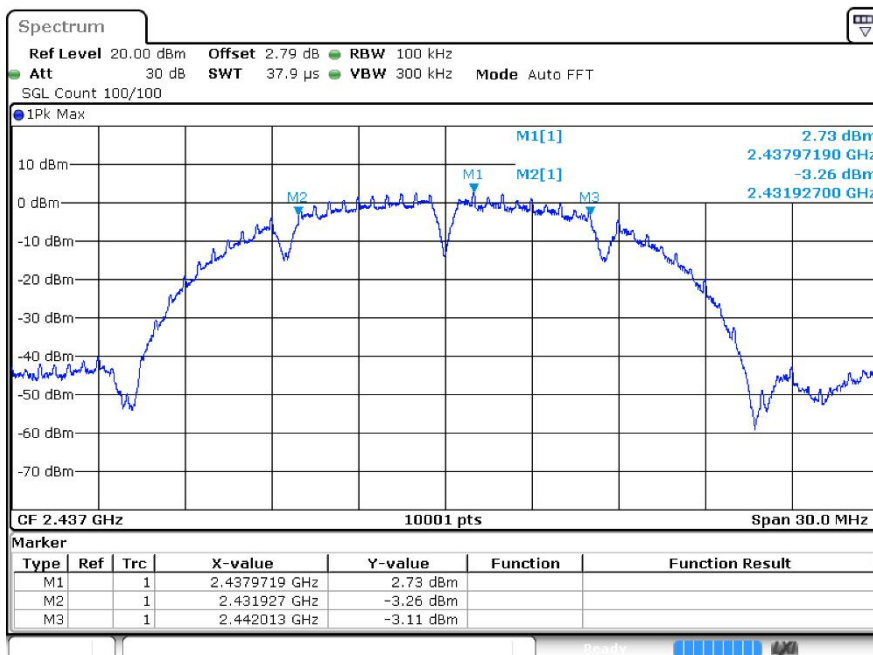




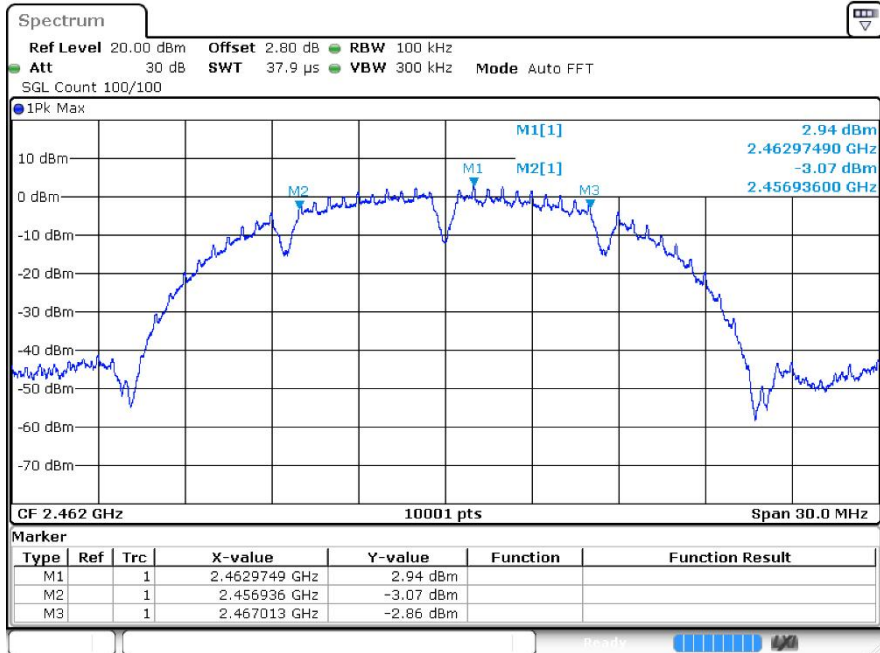
b 2412MHz Ant2



b 2437MHz Ant2



b 2462MHz Ant2



g 2412MHz Ant2

