



Appendix C

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP80

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	52.4%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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.....	44
5.1 Test Result.....	44
5.2 Test Graphs.....	45
6 Conducted RF Spurious Emission.....	61
6.1 Test Result.....	61
6.2 Test Graphs.....	62
7 Restrict Band.....	86
7.1 Test Result.....	86
7.2 Test Graphs.....	90



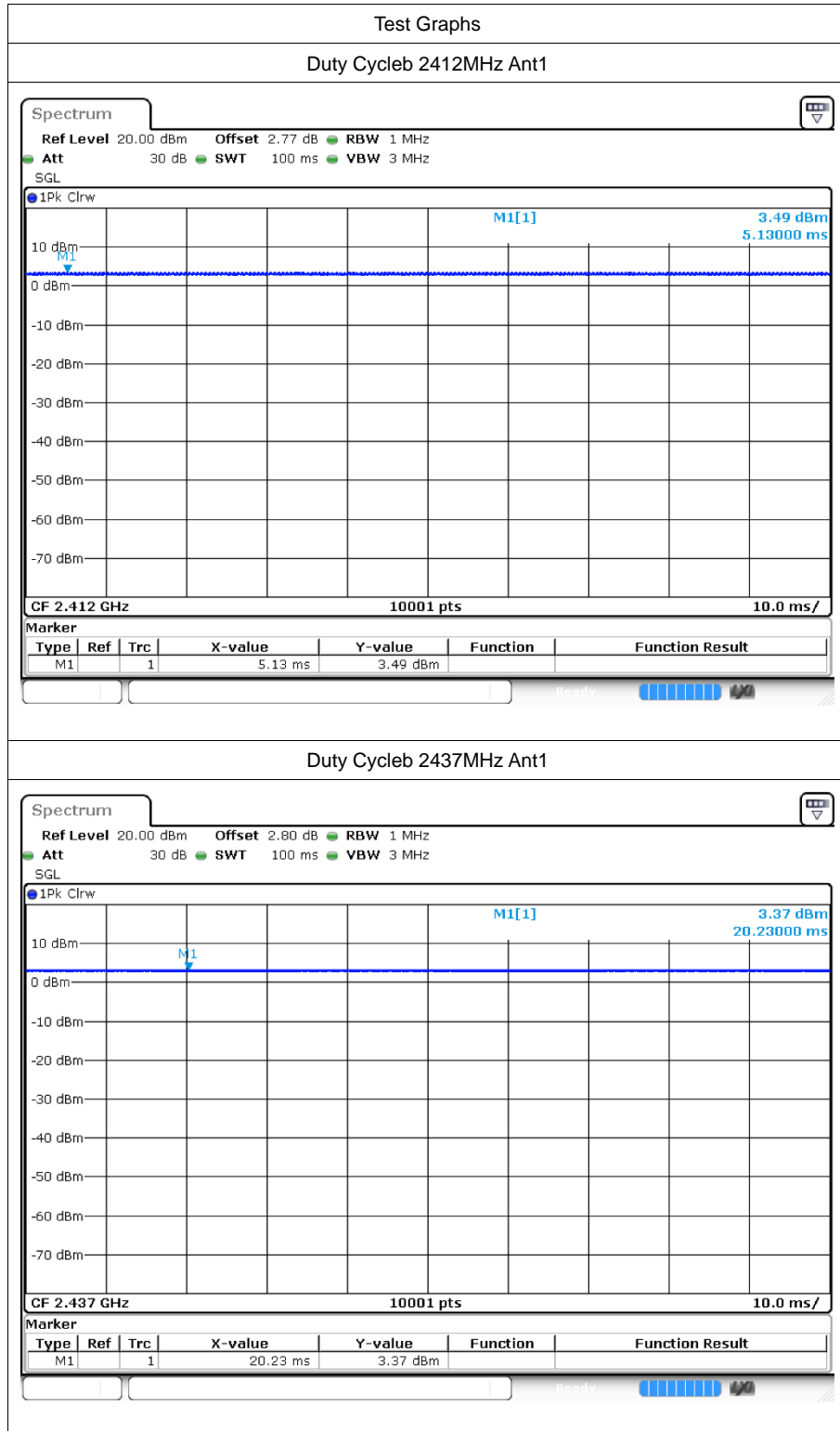
1 Duty Cycle

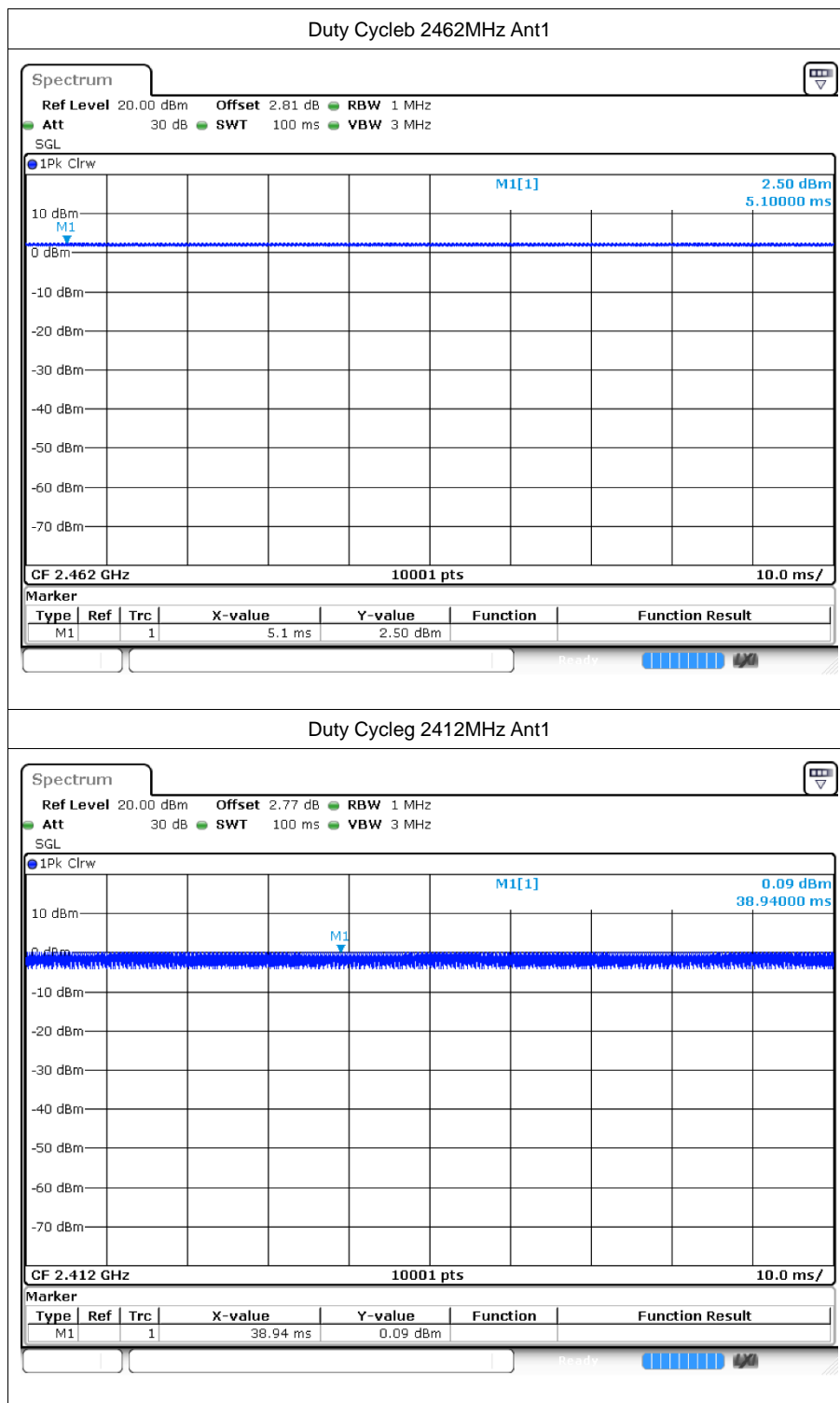
1.1 Test Result

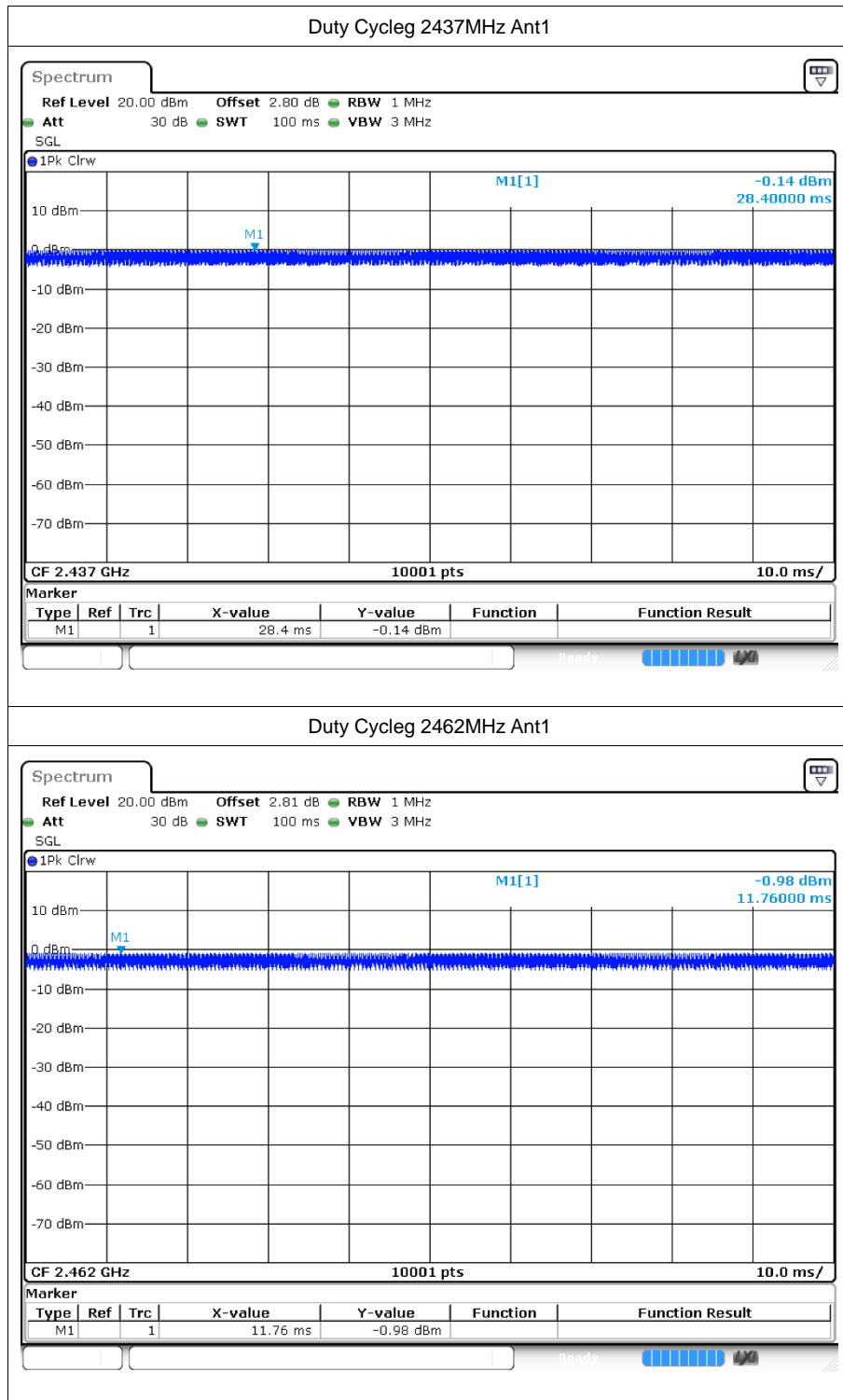
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	1/T (kHz)
b	2412	Ant1	100	0
b	2437	Ant1	100	0
b	2462	Ant1	100	0
g	2412	Ant1	100	0
g	2437	Ant1	100	0
g	2462	Ant1	100	0
n20	2412	Ant1	100	0
n20	2437	Ant1	100	0
n20	2462	Ant1	100	0
n40	2422	Ant1	100	0
n40	2437	Ant1	100	0
n40	2452	Ant1	100	0
b	2412	Ant2	100	0
b	2437	Ant2	100	0
b	2462	Ant2	100	0
g	2412	Ant2	100	0
g	2437	Ant2	100	0
g	2462	Ant2	100	0
n20	2412	Ant2	100	0
n20	2437	Ant2	100	0
n20	2462	Ant2	100	0
n40	2422	Ant2	100	0
n40	2437	Ant2	100	0
n40	2452	Ant2	100	0

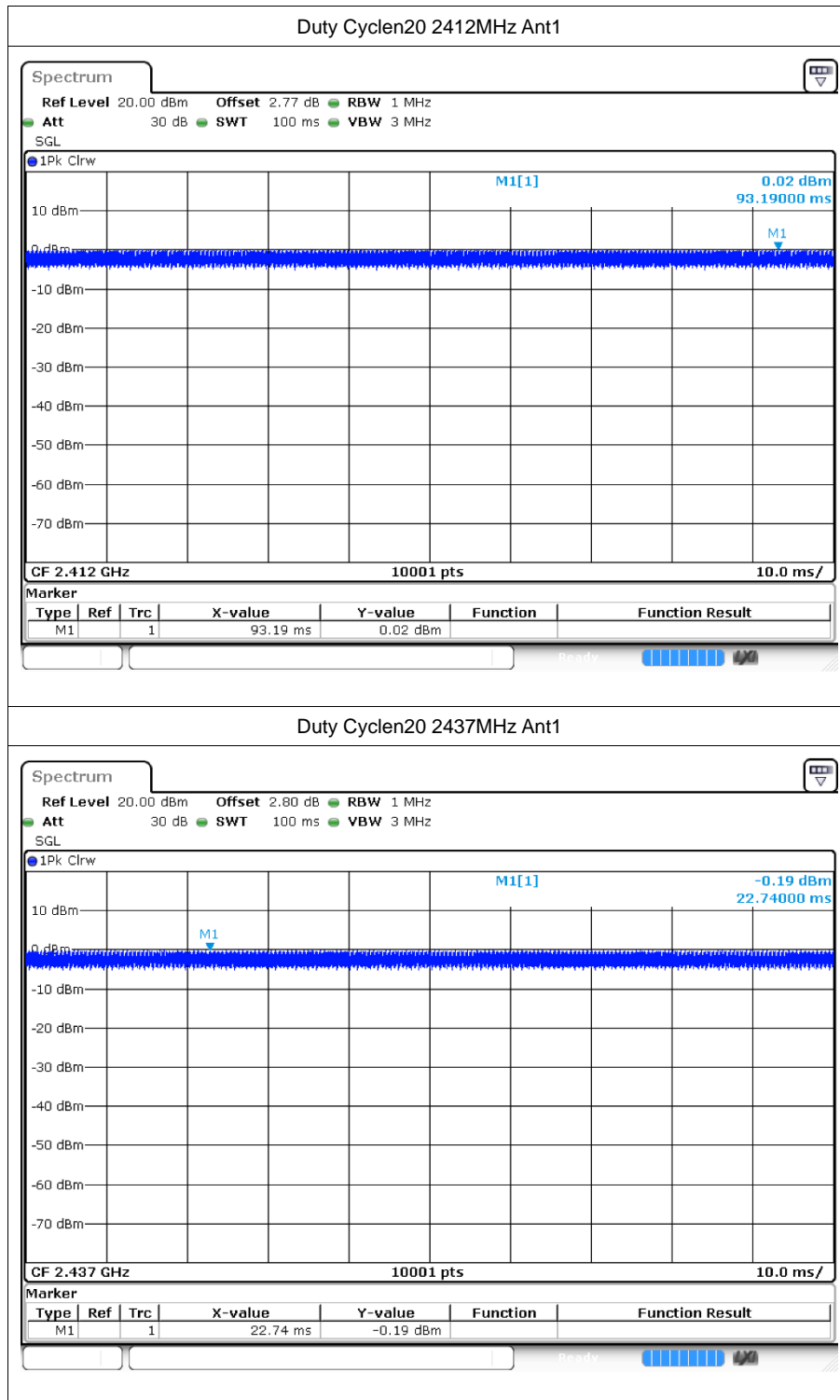


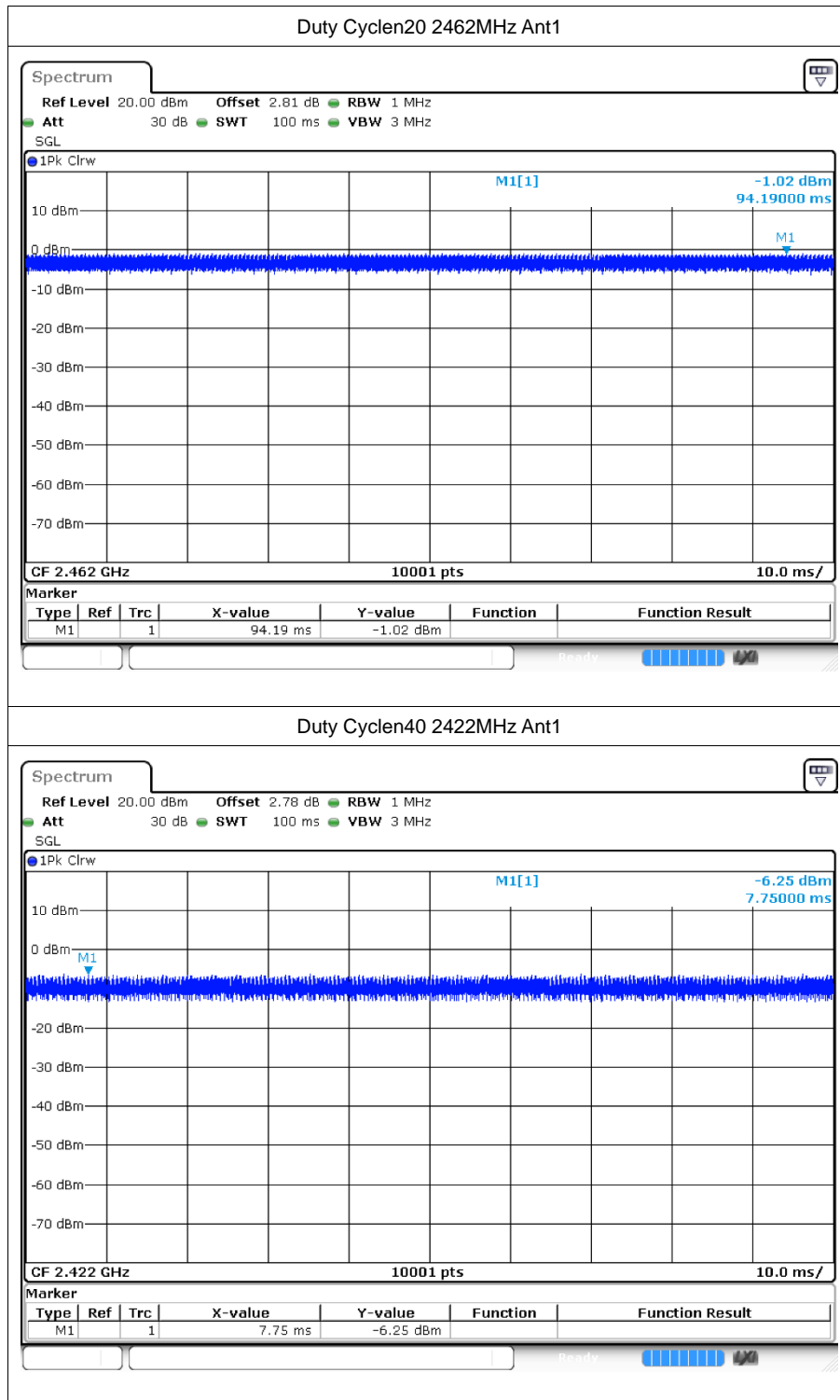
1.2 Test Graphs

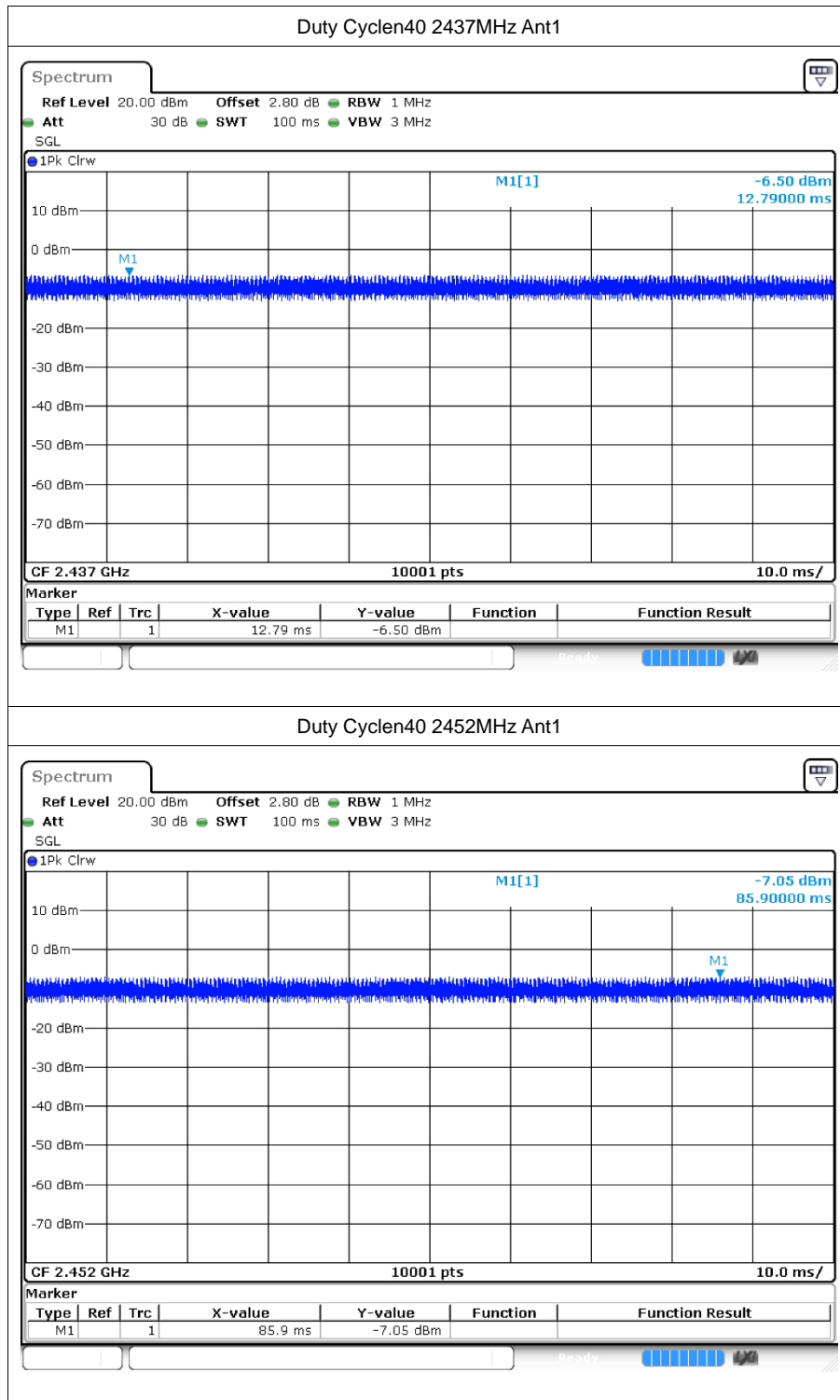


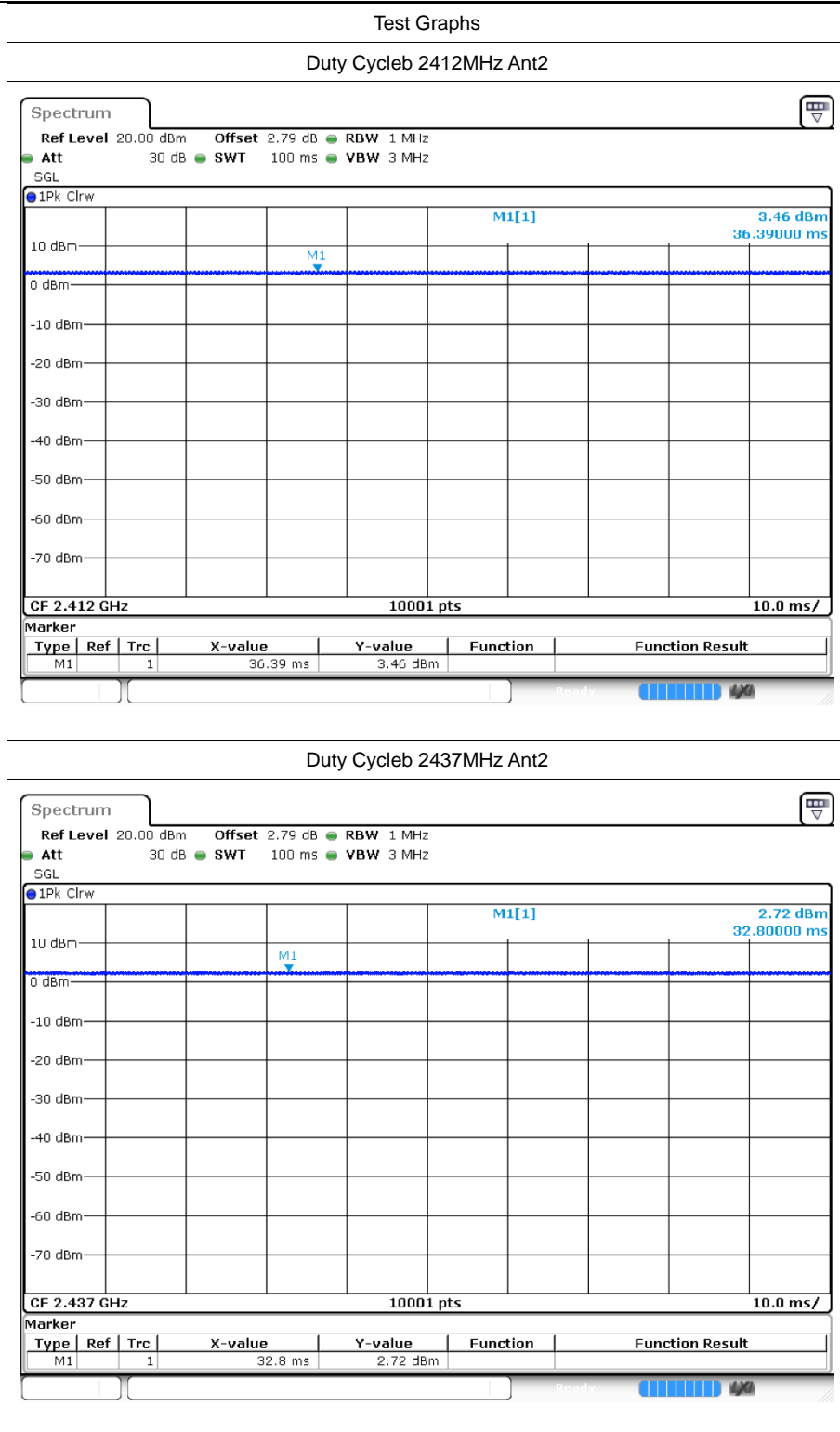


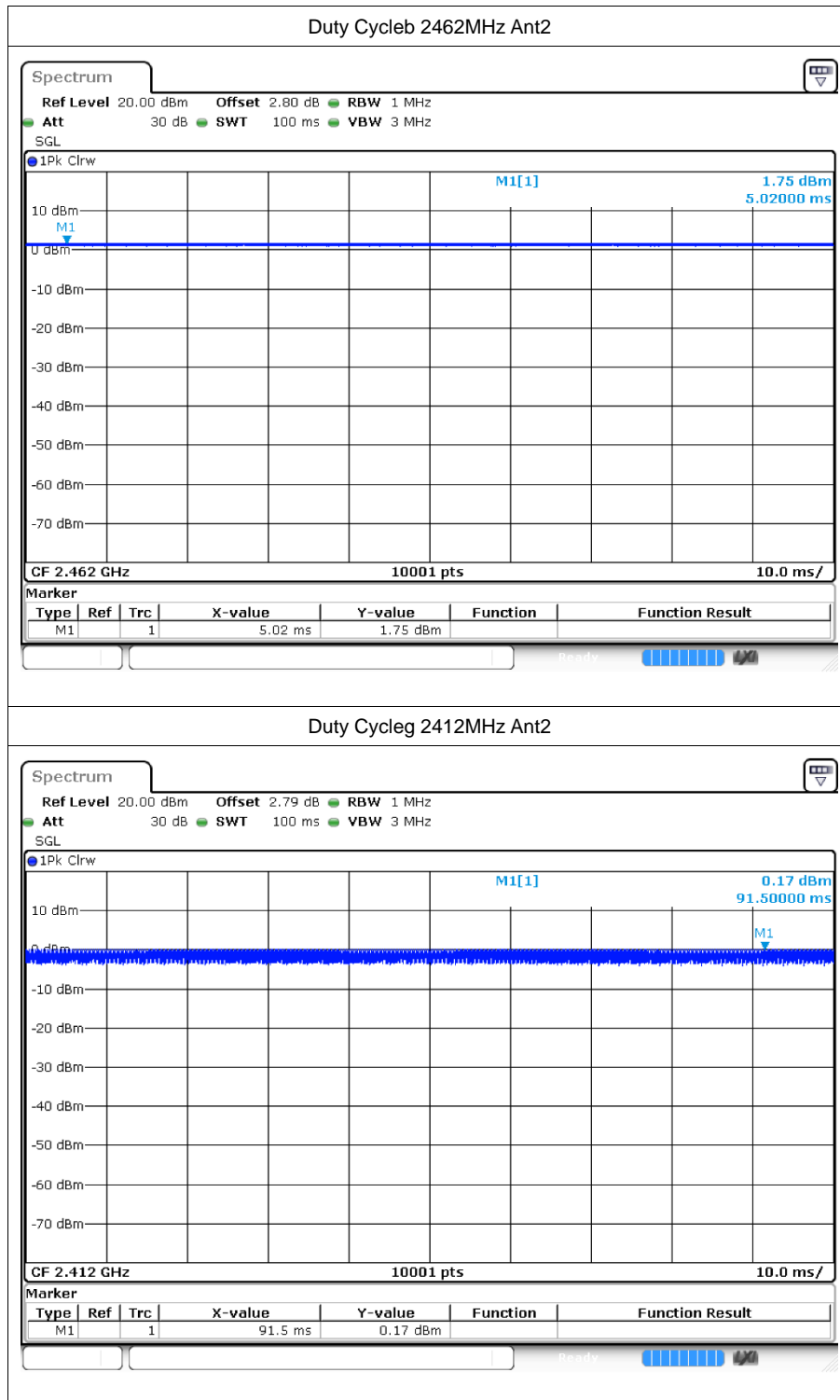


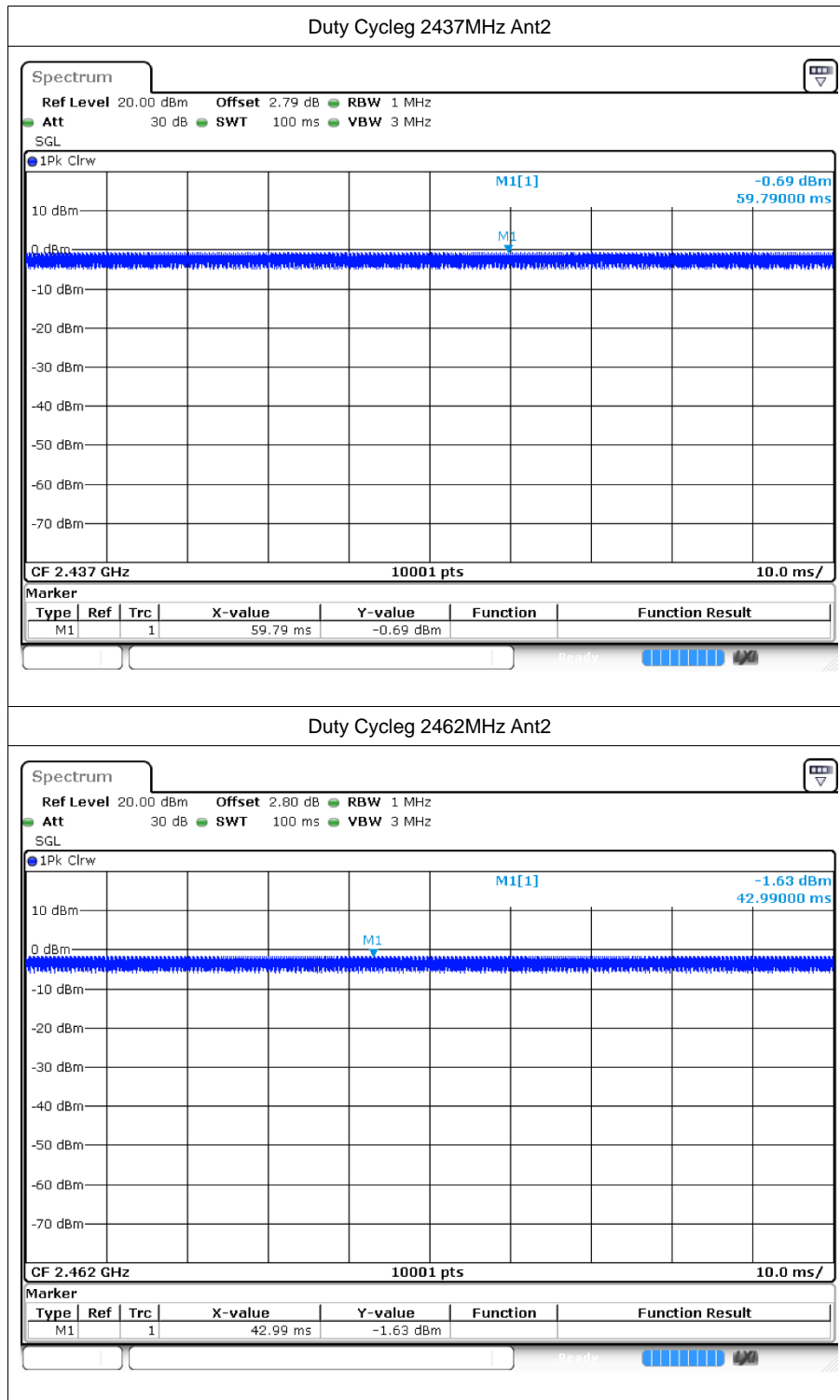


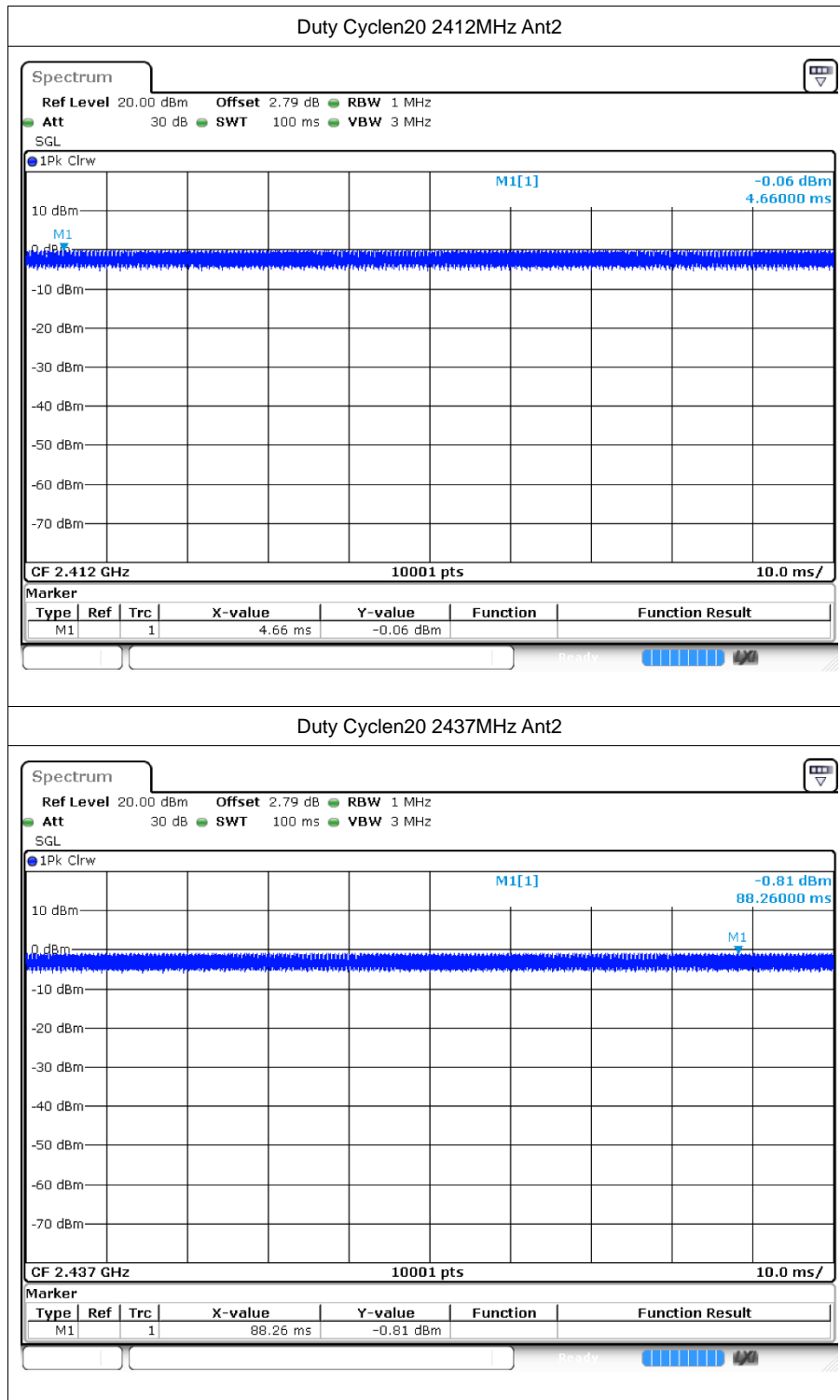


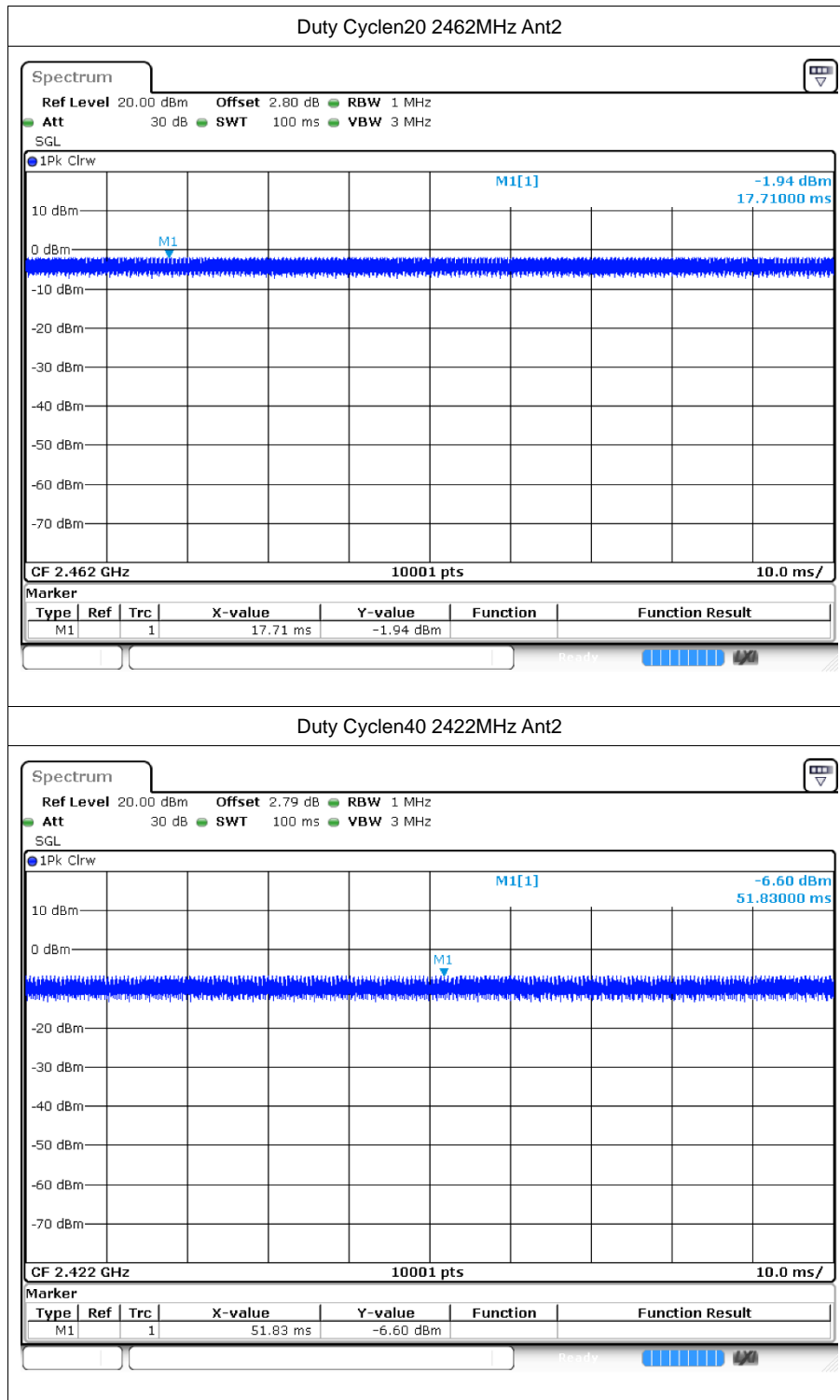


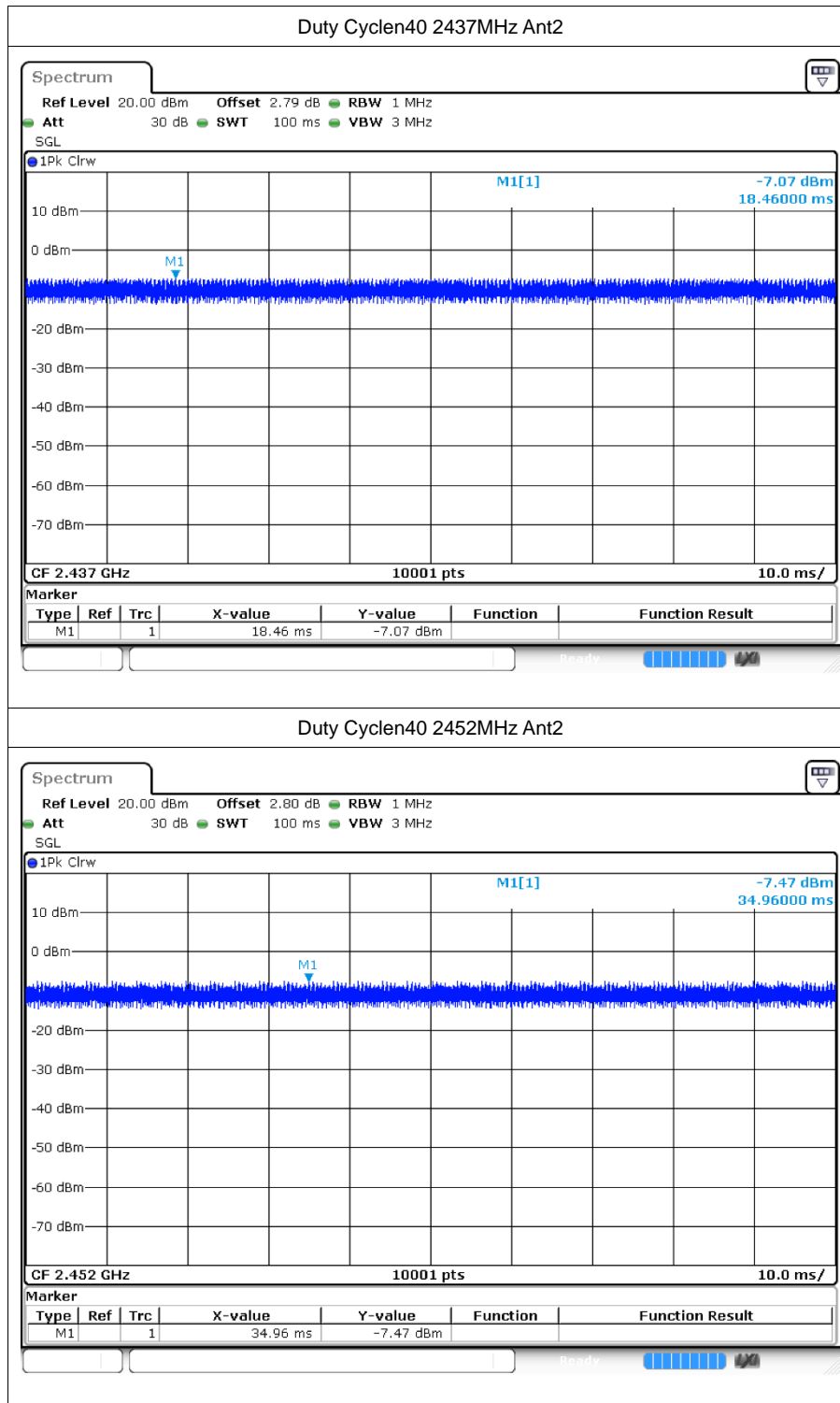














2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	13.39	30	Pass
b	2437	Ant1	12.85	30	Pass
b	2462	Ant1	11.96	30	Pass
b	2412	Ant2	13	30	Pass
b	2437	Ant2	12.2	30	Pass
b	2462	Ant2	10.44	30	Pass
g	2412	Ant1	12.59	30	Pass
g	2437	Ant1	12.2	30	Pass
g	2462	Ant1	11.57	30	Pass
g	2412	Ant2	12.48	30	Pass
g	2437	Ant2	11.68	30	Pass
g	2462	Ant2	10.73	30	Pass
n20	2412	Ant1	12.13	30	Pass
n20	2437	Ant1	11.7	30	Pass
n20	2462	Ant1	11.02	30	Pass
n20	2412	Ant2	11.86	30	Pass
n20	2437	Ant2	11.05	30	Pass
n20	2462	Ant2	10.08	30	Pass
n20	2412	Sum	15.01	30	Pass
n20	2437	Sum	14.40	30	Pass
n20	2462	Sum	13.59	30	Pass
n40	2422	Ant1	11.95	30	Pass
n40	2437	Ant1	11.59	30	Pass
n40	2452	Ant1	11.17	30	Pass
n40	2422	Ant2	11.7	30	Pass
n40	2437	Ant2	11.11	30	Pass
n40	2452	Ant2	10.57	30	Pass
n40	2422	Sum	14.84	30	Pass
n40	2437	Sum	14.37	30	Pass
n40	2452	Sum	13.89	30	Pass



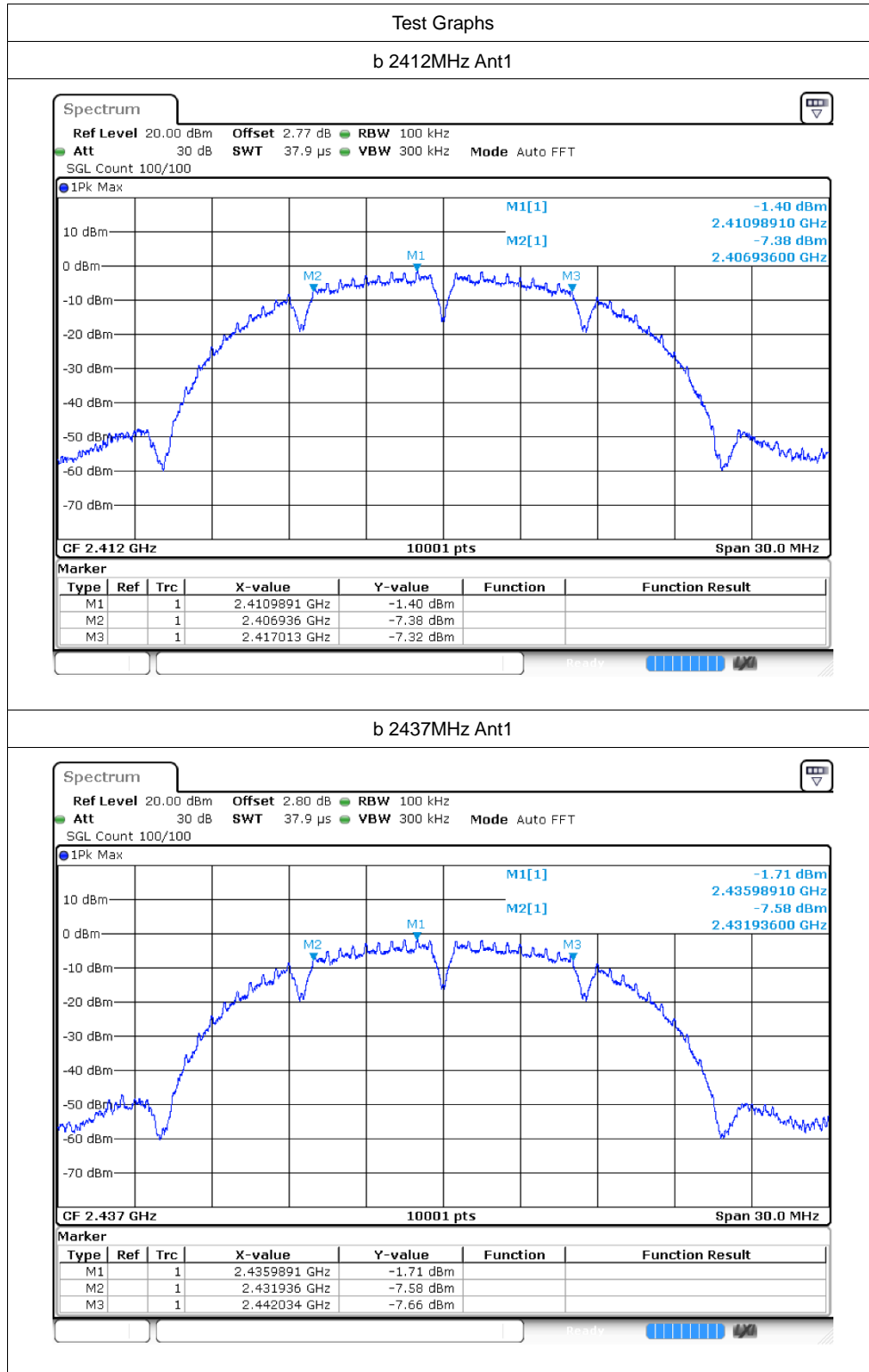
3 -6dB Bandwidth

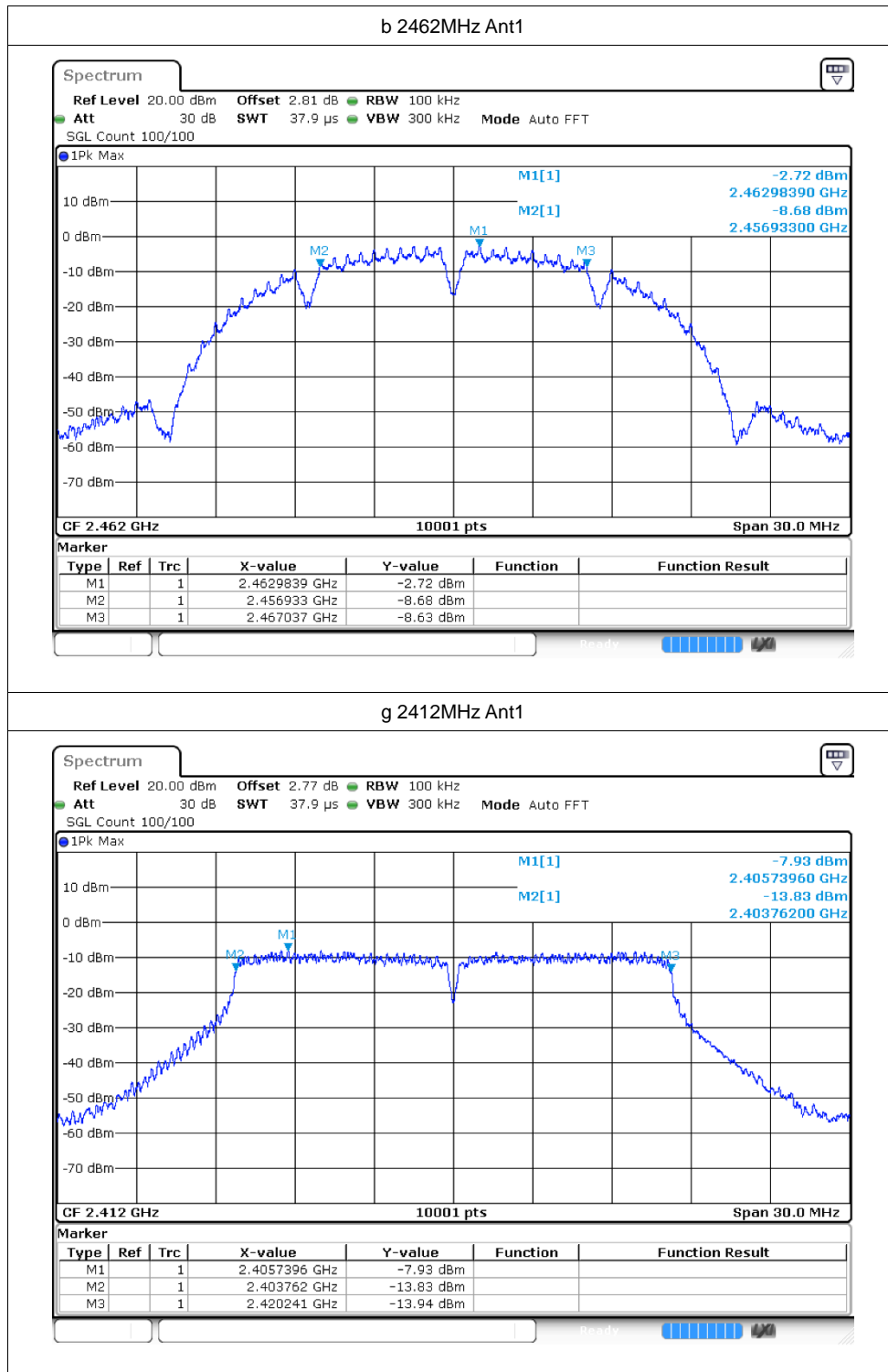
3.1 Test Result

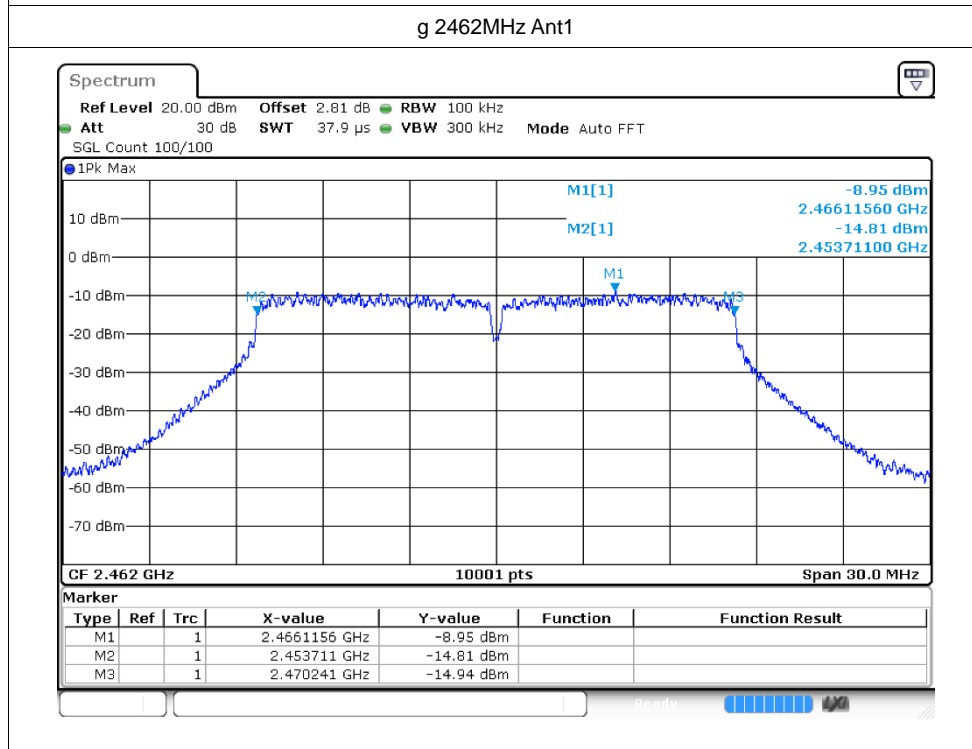
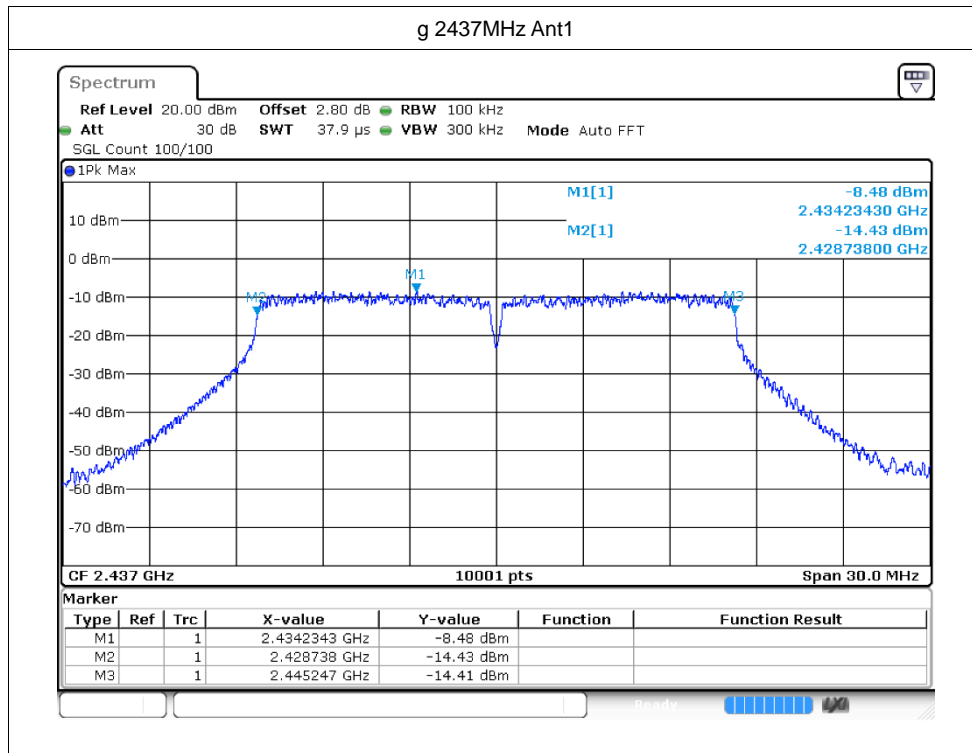
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.077	0.5	Pass
b	2437	Ant1	10.098	0.5	Pass
b	2462	Ant1	10.104	0.5	Pass
g	2412	Ant1	16.479	0.5	Pass
g	2437	Ant1	16.509	0.5	Pass
g	2462	Ant1	16.53	0.5	Pass
n20	2412	Ant1	17.598	0.5	Pass
n20	2437	Ant1	17.595	0.5	Pass
n20	2462	Ant1	17.67	0.5	Pass
n40	2422	Ant1	36.36	0.5	Pass
n40	2437	Ant1	36.378	0.5	Pass
n40	2452	Ant1	36.36	0.5	Pass
b	2412	Ant2	10.083	0.5	Pass
b	2437	Ant2	10.083	0.5	Pass
b	2462	Ant2	10.092	0.5	Pass
g	2412	Ant2	16.425	0.5	Pass
g	2437	Ant2	16.413	0.5	Pass
g	2462	Ant2	16.524	0.5	Pass
n20	2412	Ant2	17.679	0.5	Pass
n20	2437	Ant2	17.694	0.5	Pass
n20	2462	Ant2	17.658	0.5	Pass
n40	2422	Ant2	36.426	0.5	Pass
n40	2437	Ant2	36.342	0.5	Pass
n40	2452	Ant2	36.42	0.5	Pass

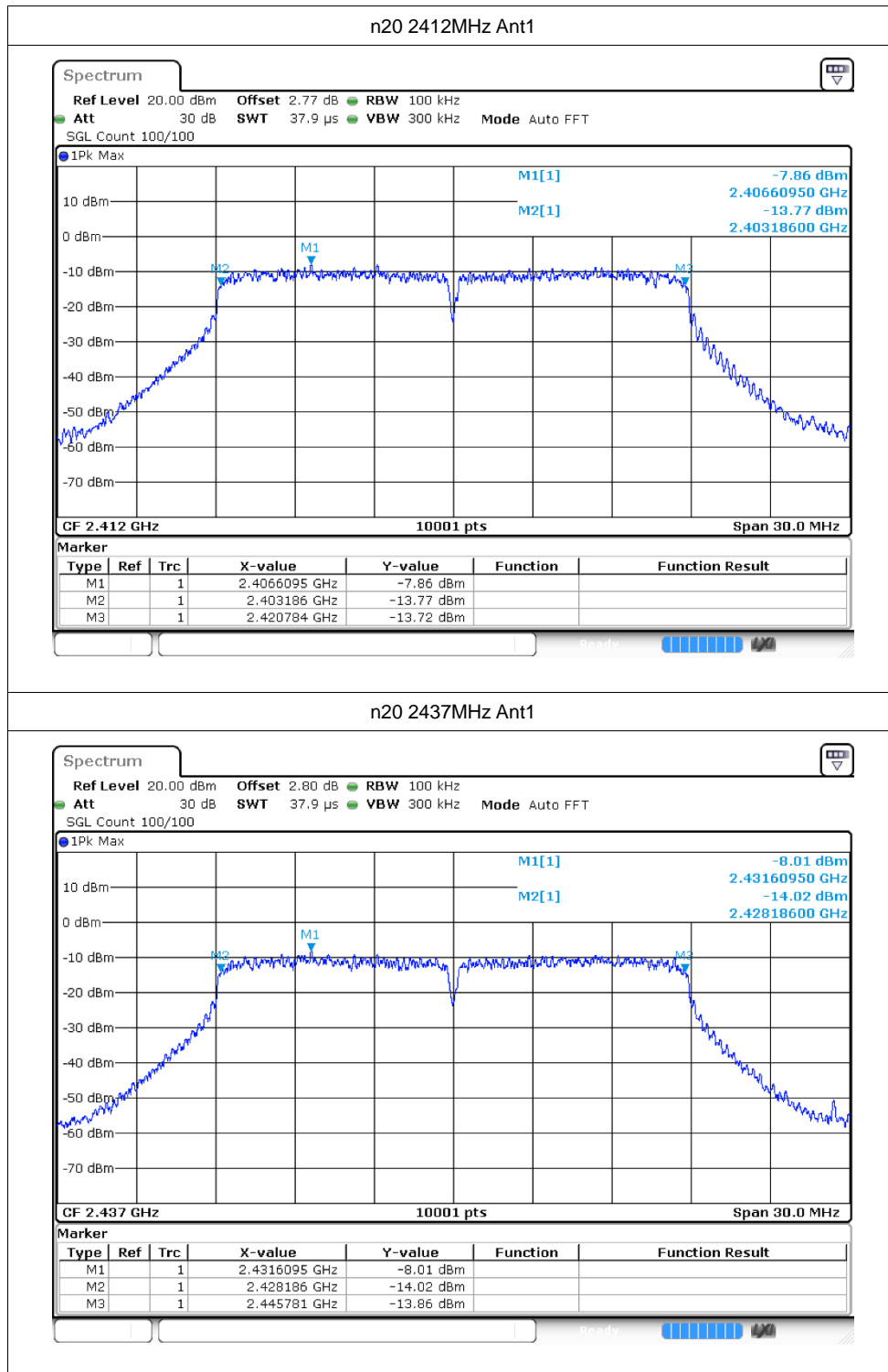


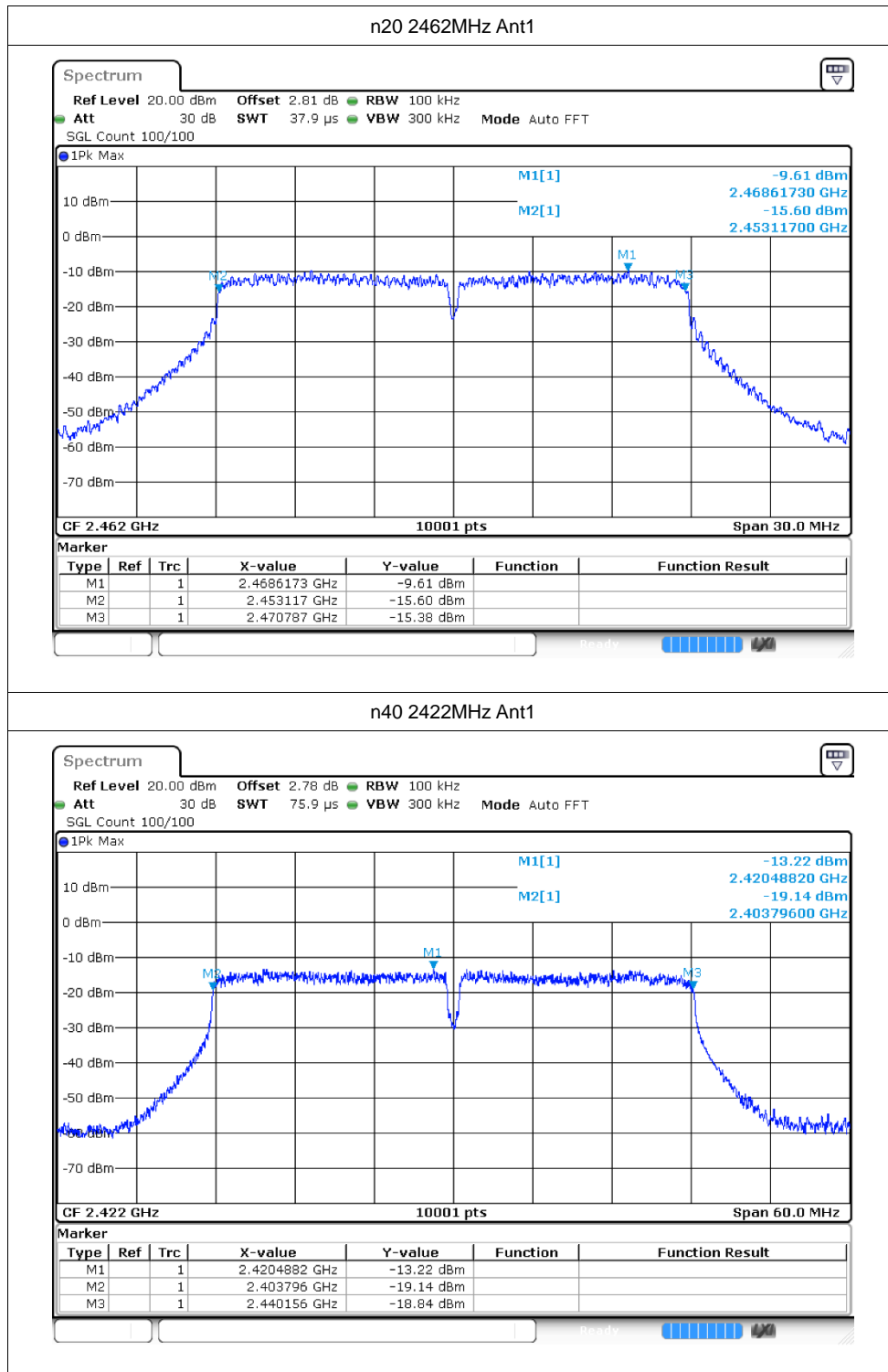
3.2 Test Graphs

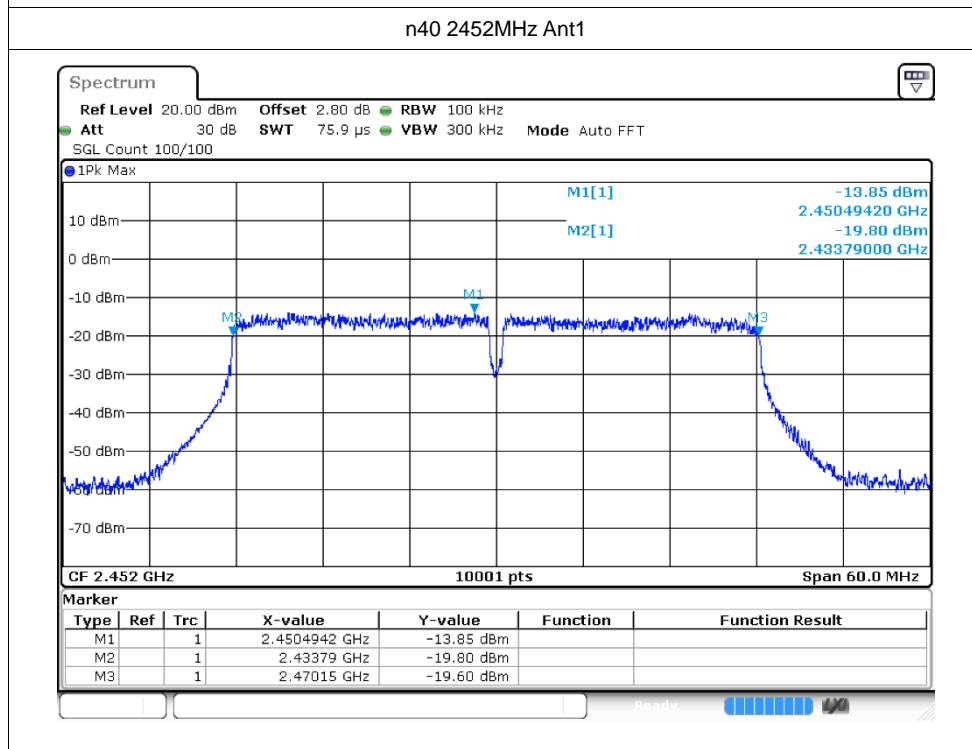
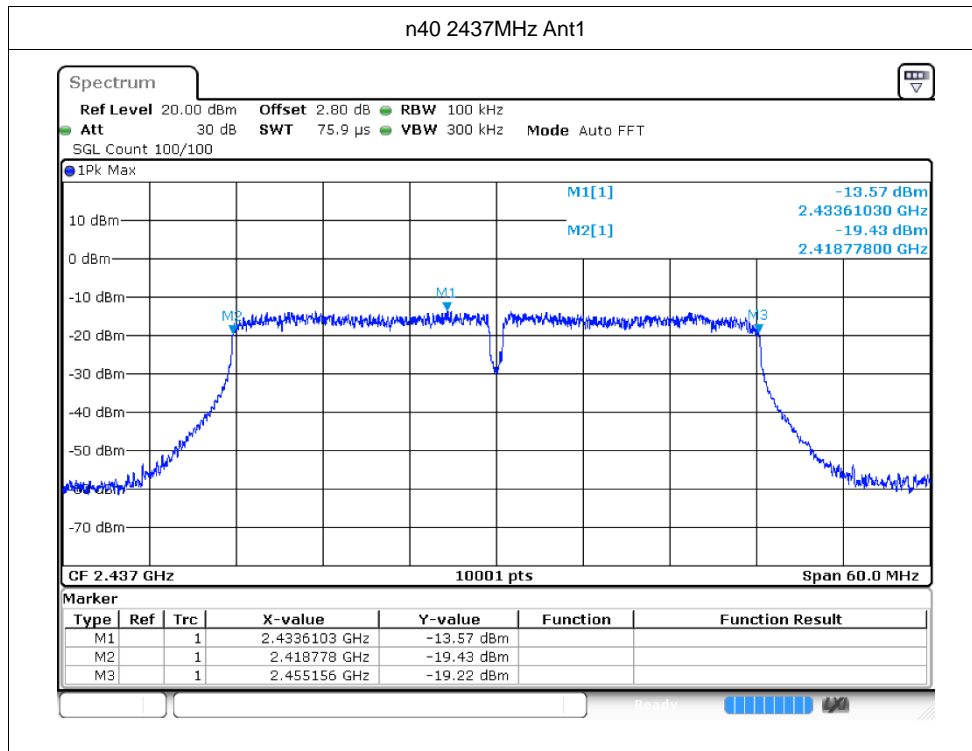




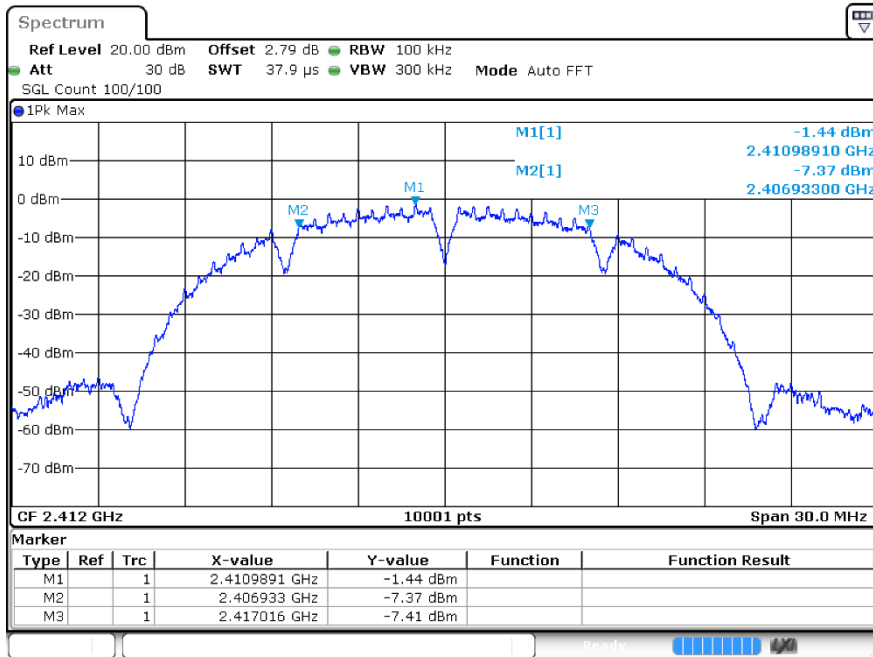




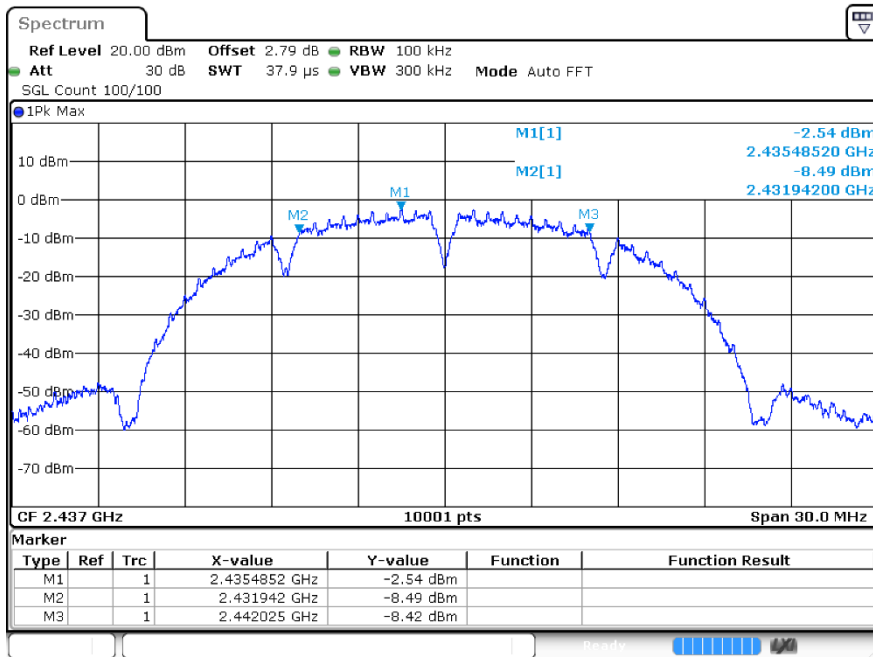


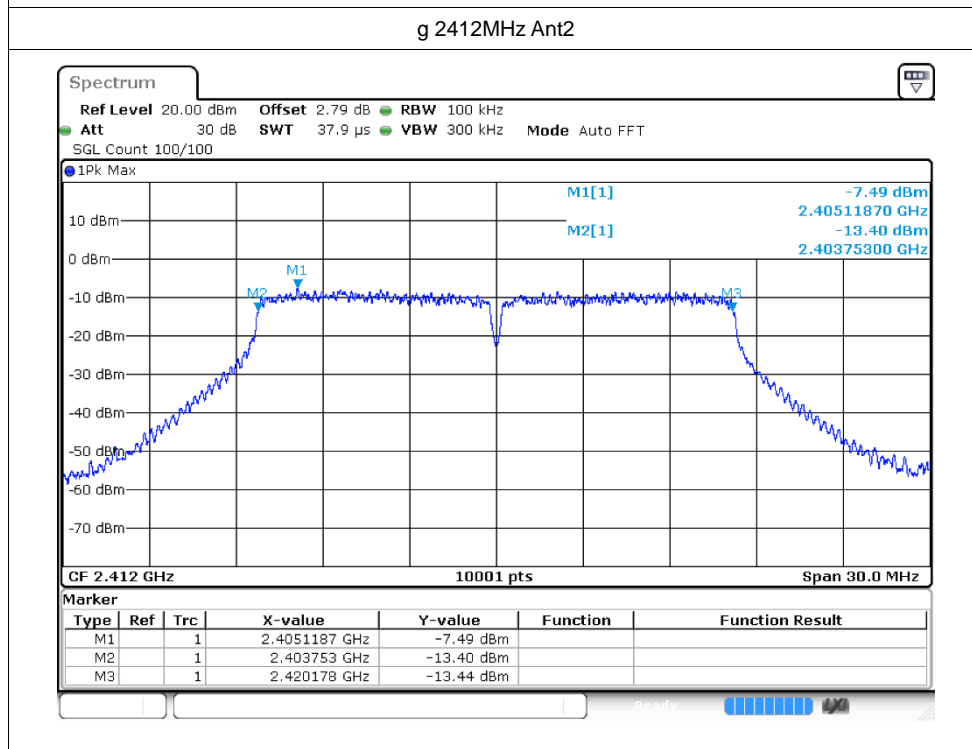
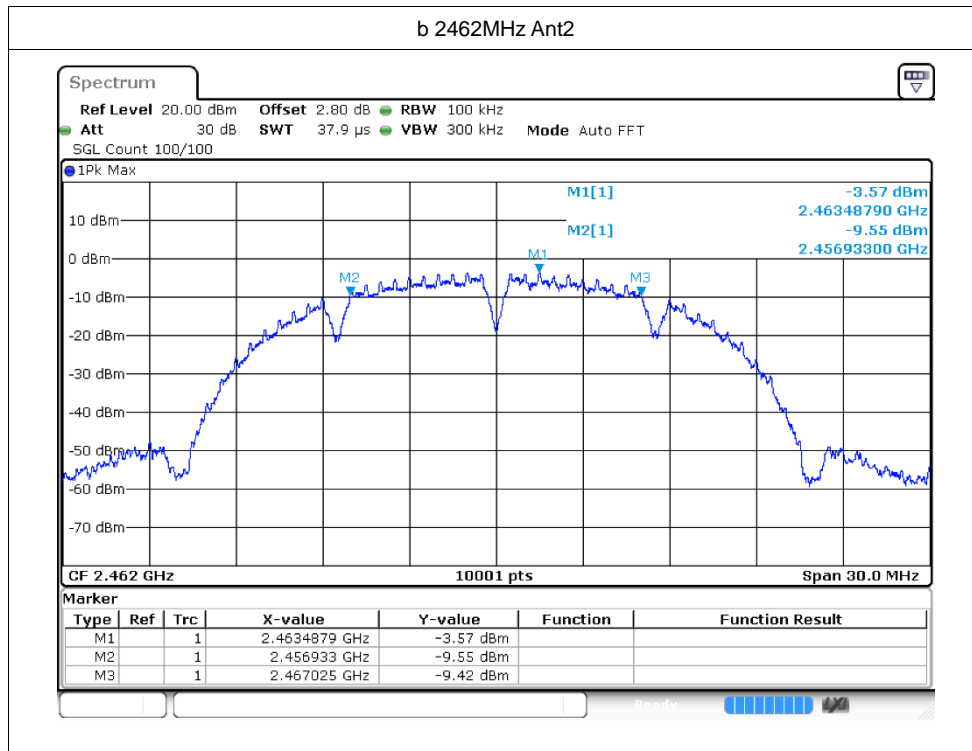


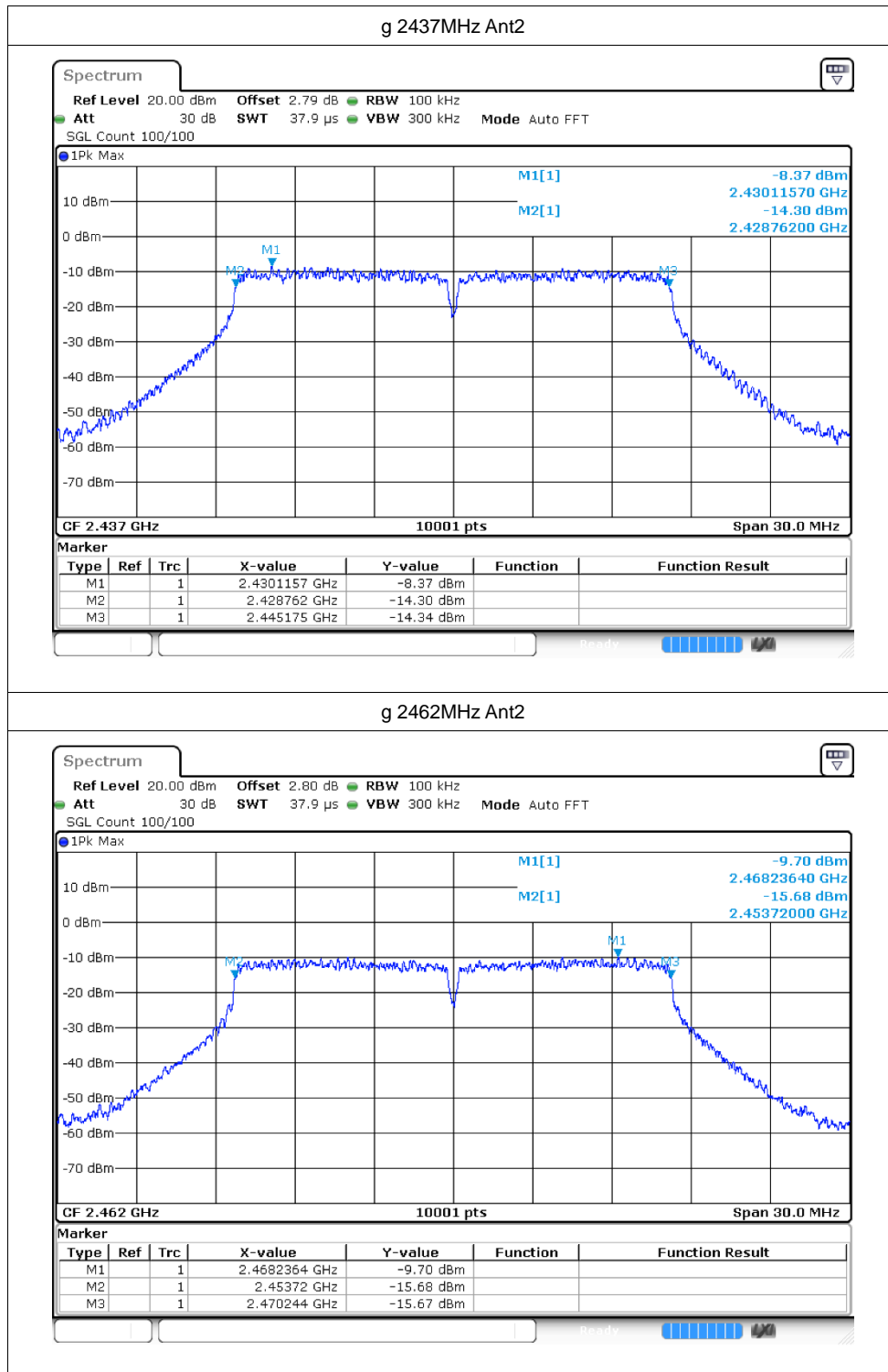
b 2412MHz Ant2

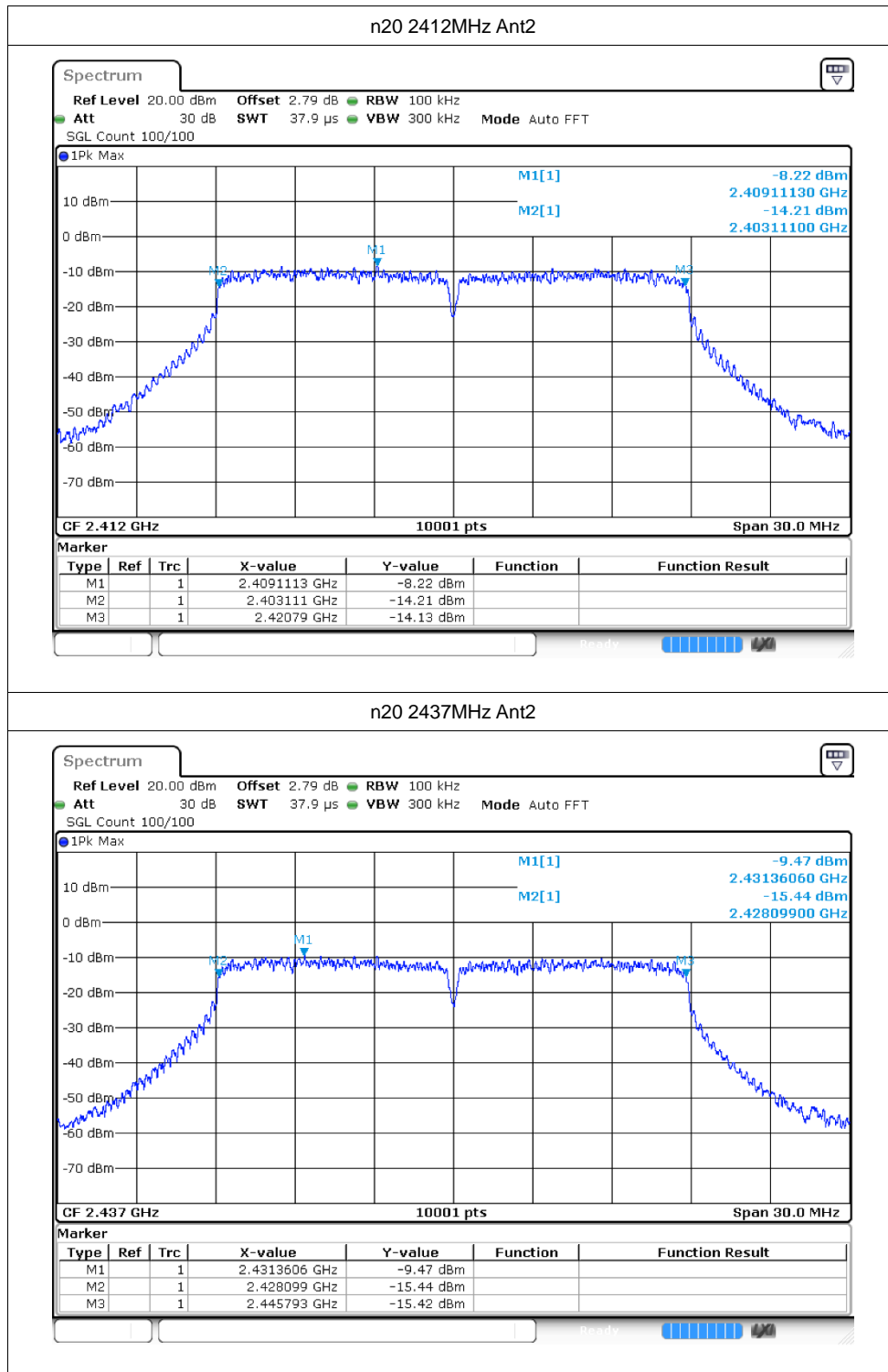


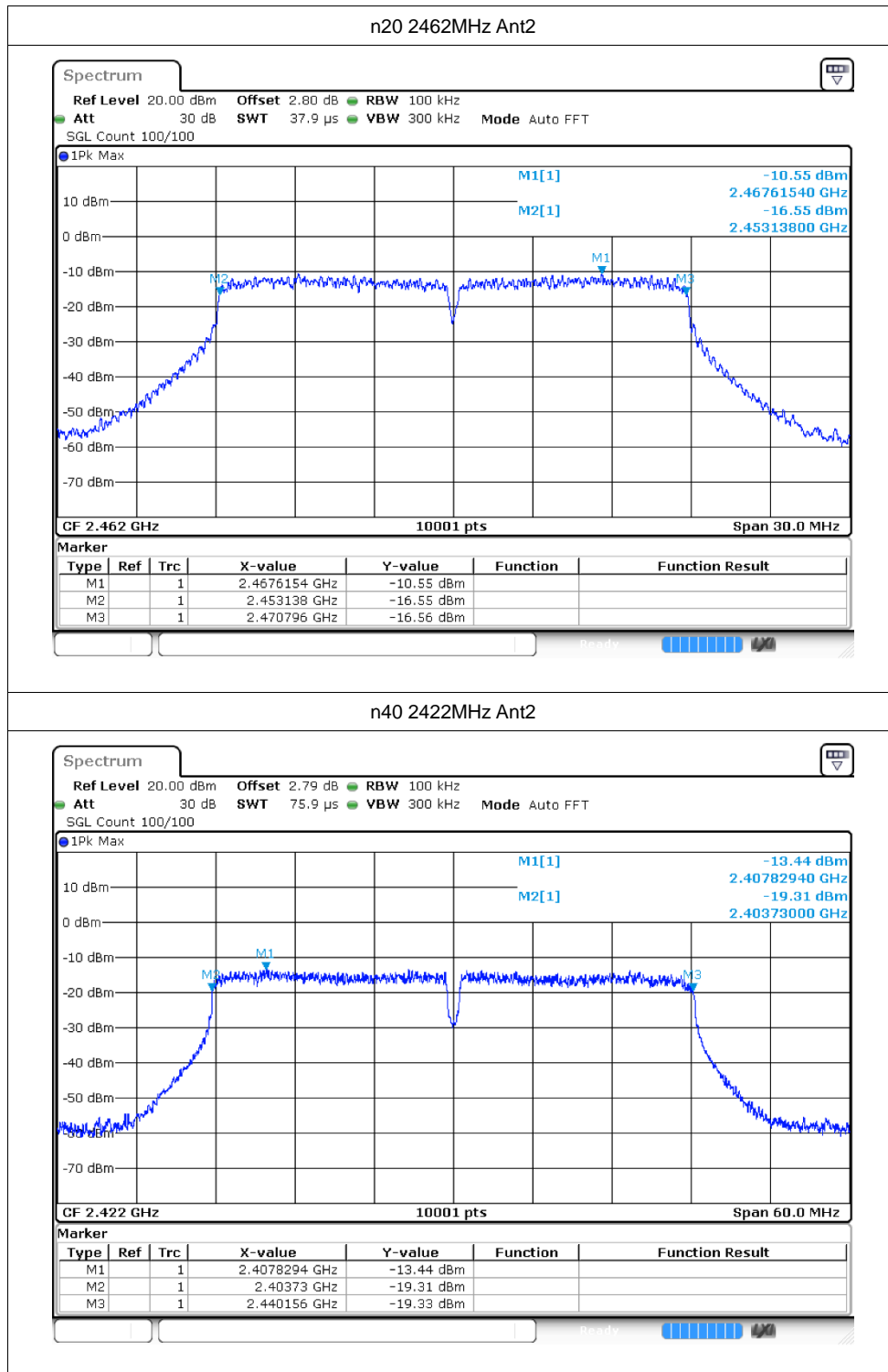
b 2437MHz Ant2

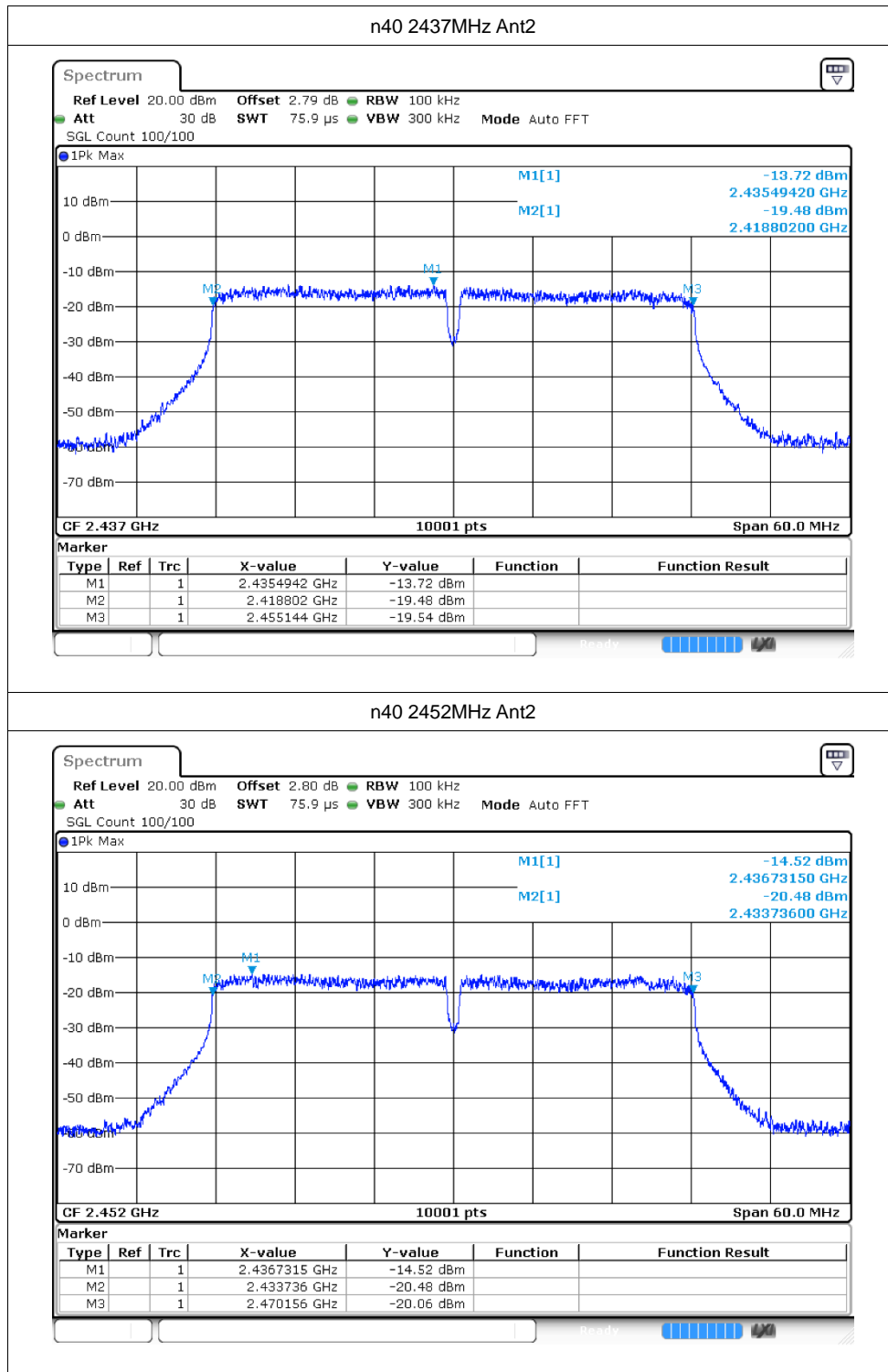












4 Maximum Power Spectral Density Level

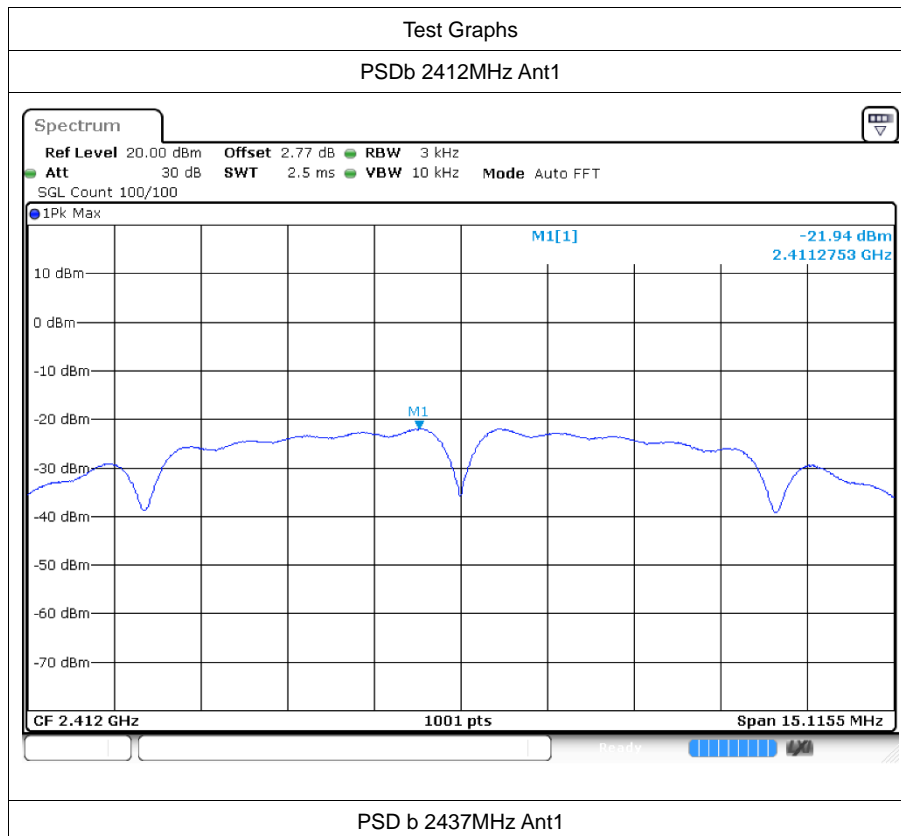
4.1 Test Result

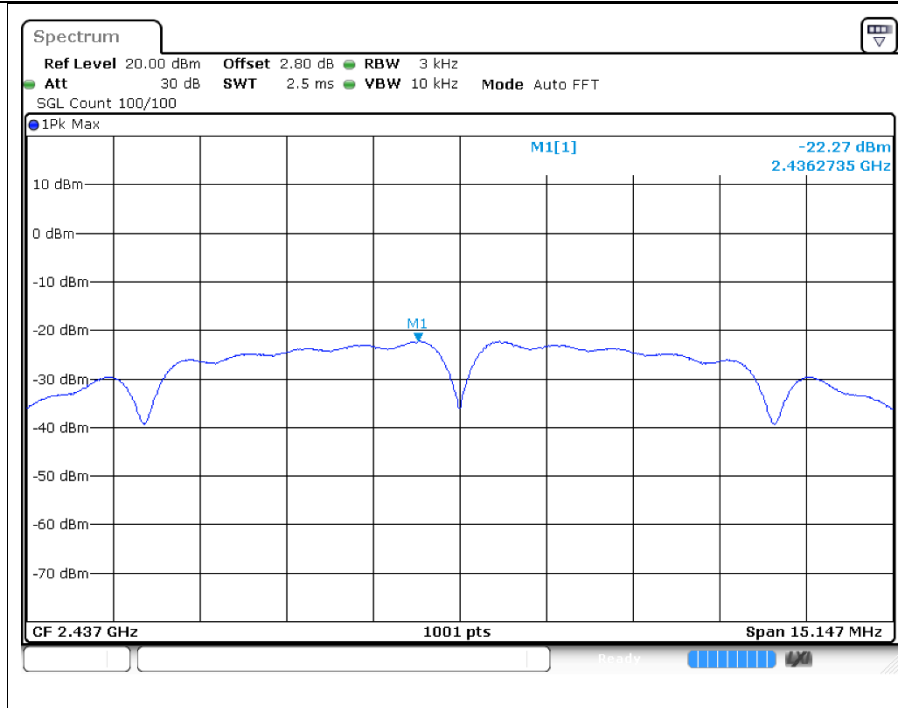
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-21.94	≤8	Pass
b	2437	Ant1	-22.27	≤8	Pass
b	2462	Ant1	-23.15	≤8	Pass
g	2412	Ant1	-22.18	≤8	Pass
g	2437	Ant1	-22.82	≤8	Pass
g	2462	Ant1	-23.36	≤8	Pass
n20	2412	Ant1	-21.61	≤8	Pass
n20	2437	Ant1	-22.03	≤8	Pass
n20	2462	Ant1	-22.99	≤8	Pass
n40	2422	Ant1	-26	≤8	Pass
n40	2437	Ant1	-24.8	≤8	Pass
n40	2452	Ant1	-25.33	≤8	Pass
b	2412	Ant2	-1.49	≤8	Pass
b	2437	Ant2	-3.01	≤8	Pass
b	2462	Ant2	-3.34	≤8	Pass
g	2412	Ant2	-7.99	≤8	Pass
g	2437	Ant2	-8.95	≤8	Pass
g	2462	Ant2	-9.7	≤8	Pass
n20	2412	Ant2	-8.61	≤8	Pass
n20	2437	Ant2	-9.31	≤8	Pass
n20	2462	Ant2	-9.8	≤8	Pass
n40	2422	Ant2	-13.24	≤8	Pass
n40	2437	Ant2	-13.36	≤8	Pass
n40	2452	Ant2	-14.17	≤8	Pass

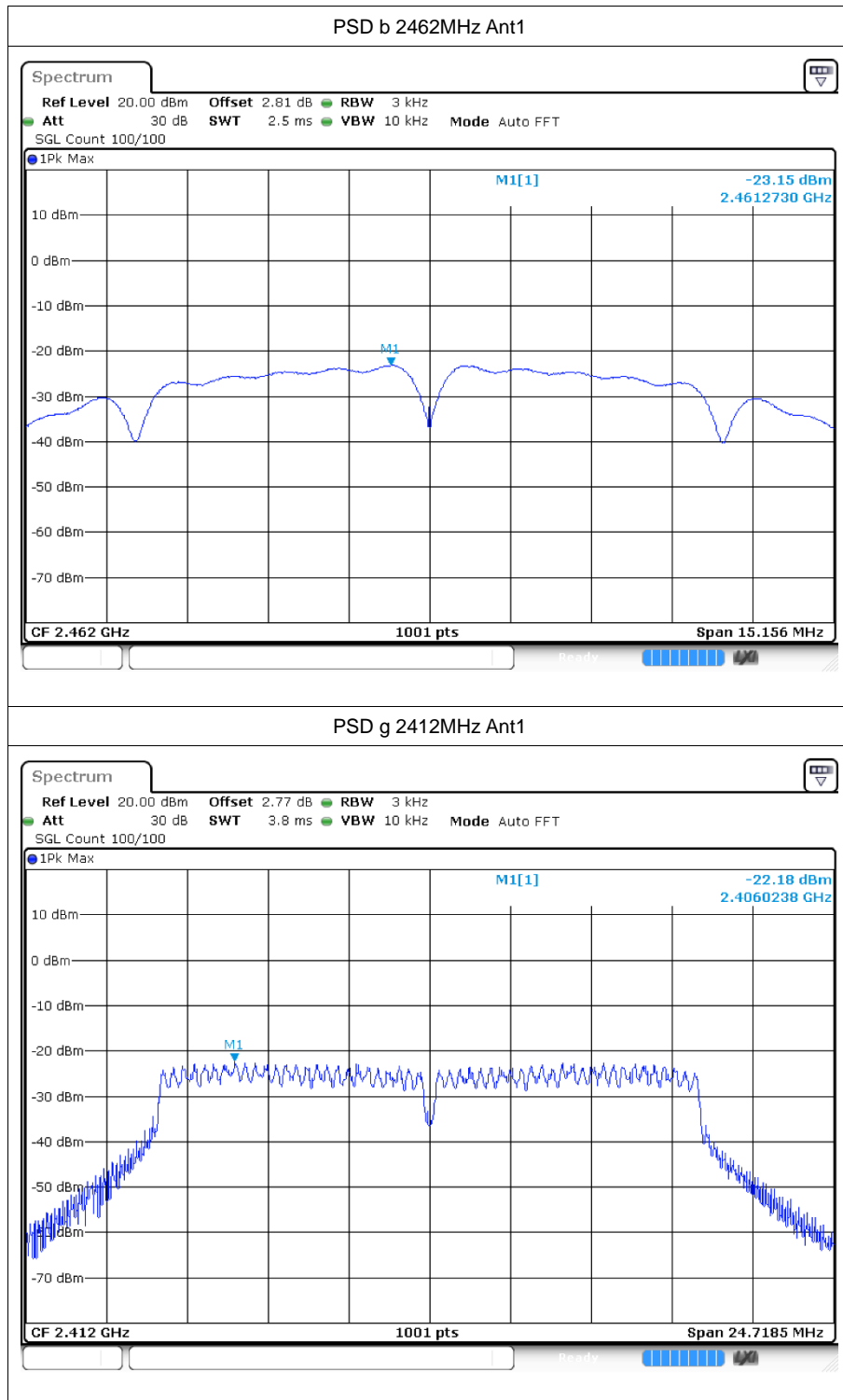
Sum

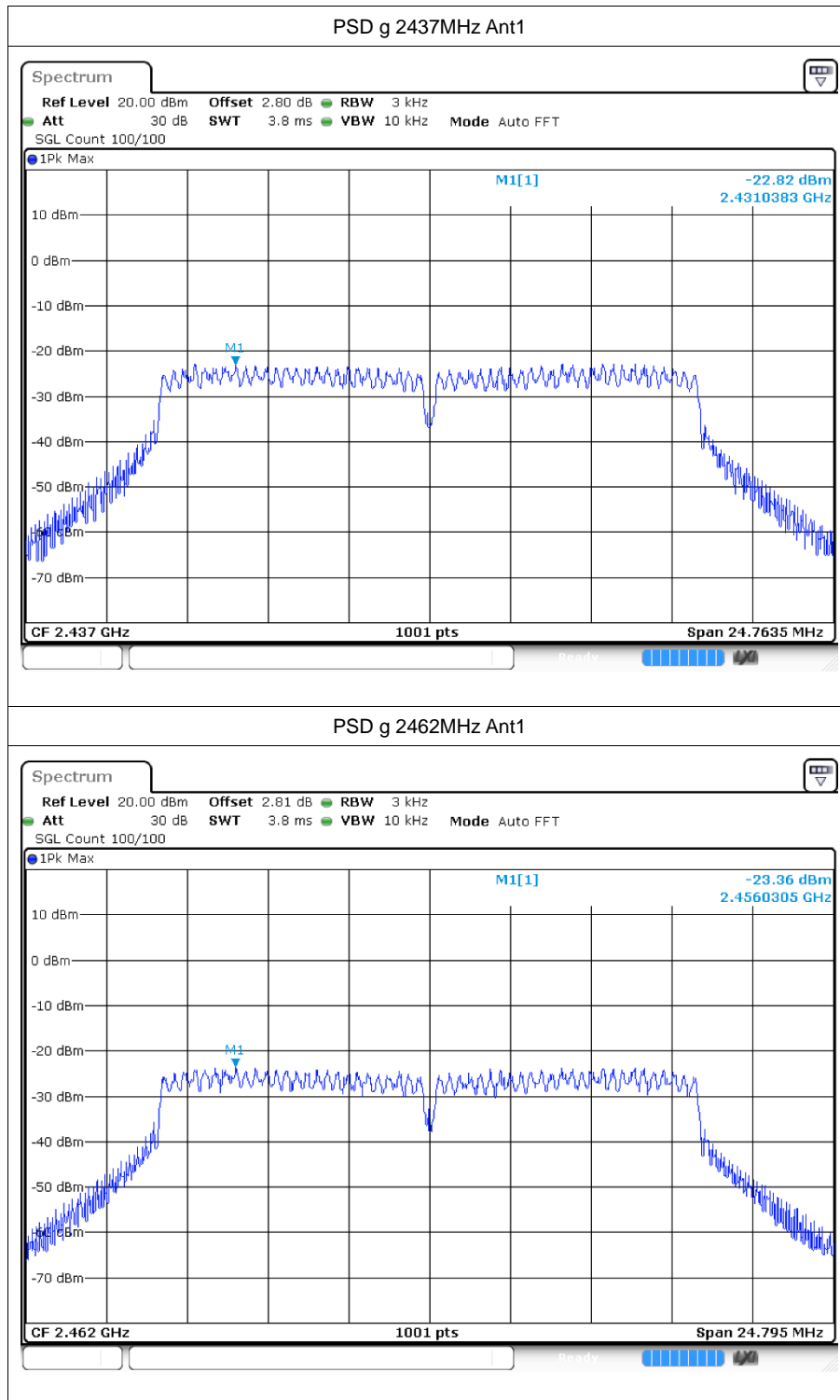
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
n20	2412	Sum	-8.398	≤8	Pass
n20	2437	Sum	-9.084	≤8	Pass
n20	2462	Sum	-9.596	≤8	Pass
n40	2422	Sum	-13.016	≤8	Pass
n40	2437	Sum	-13.059	≤8	Pass
n40	2452	Sum	-13.850	≤8	Pass

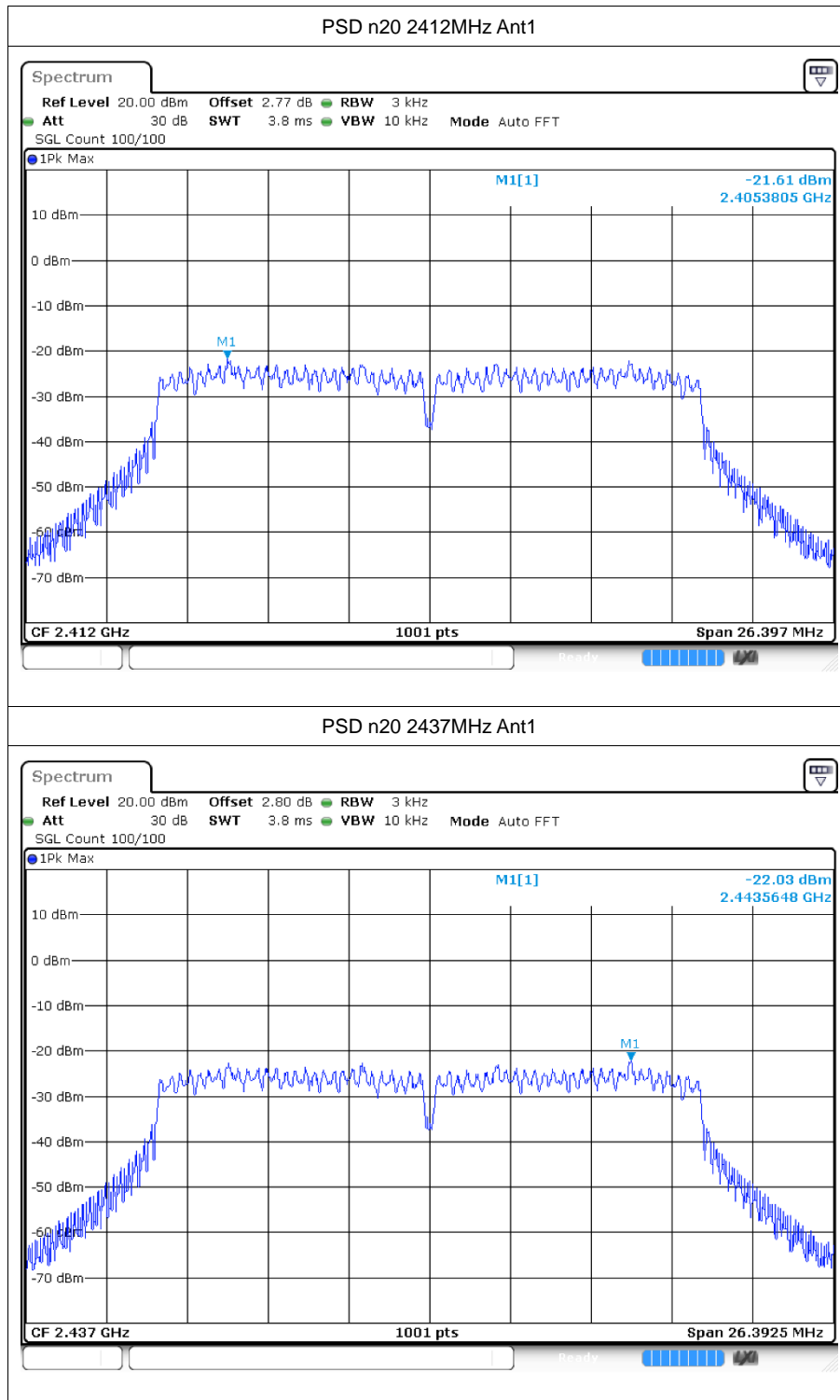
4.2 Test Graphs

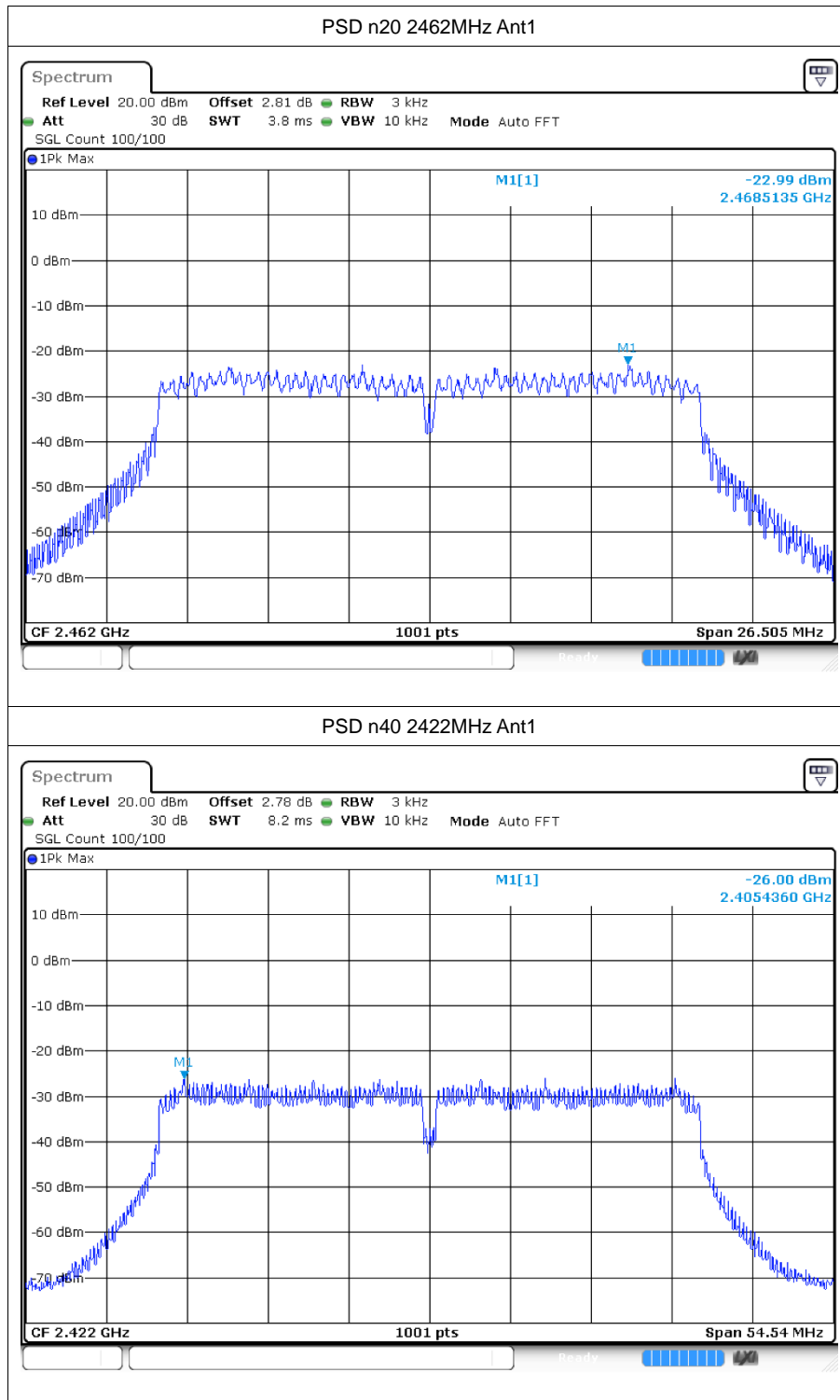


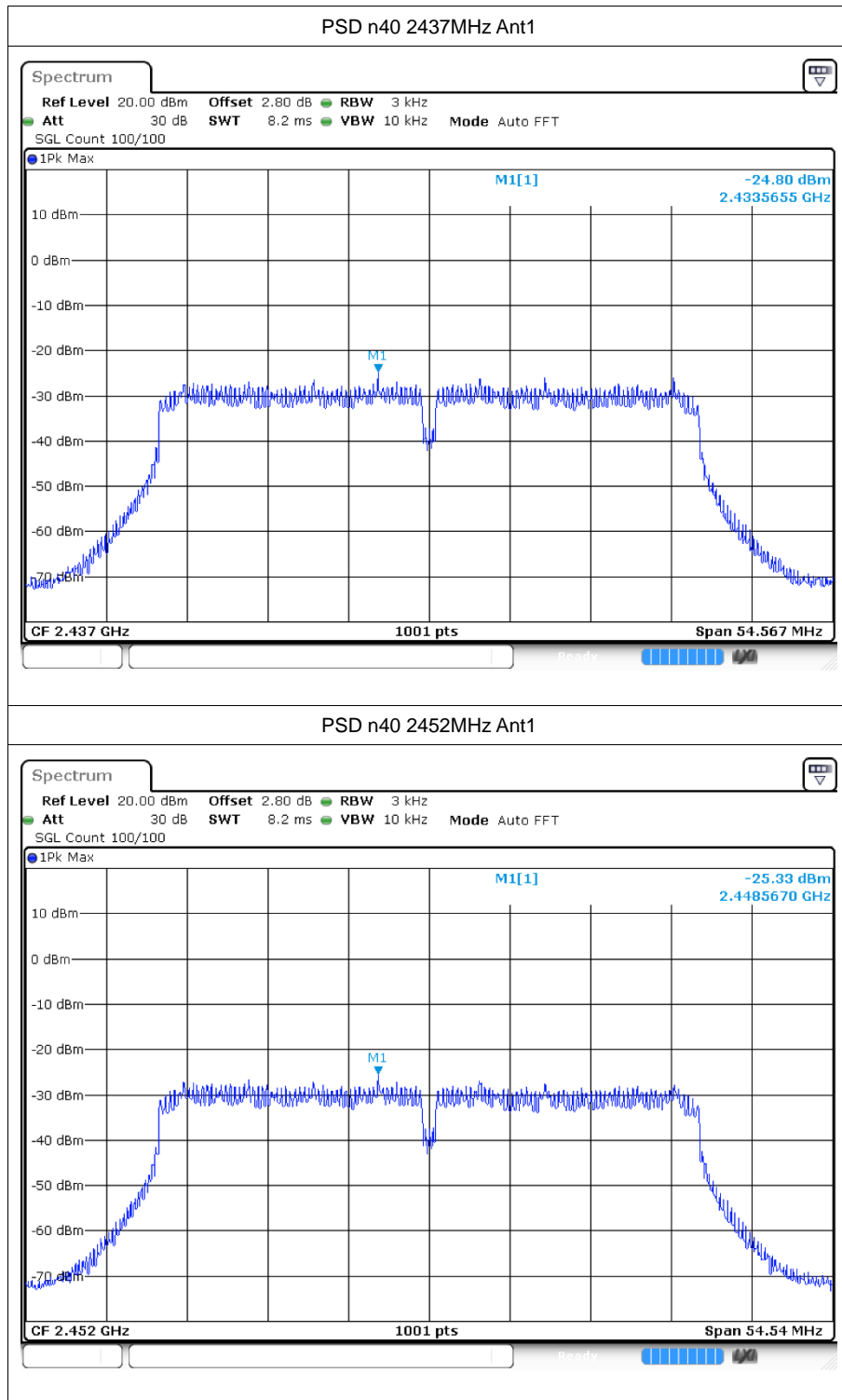


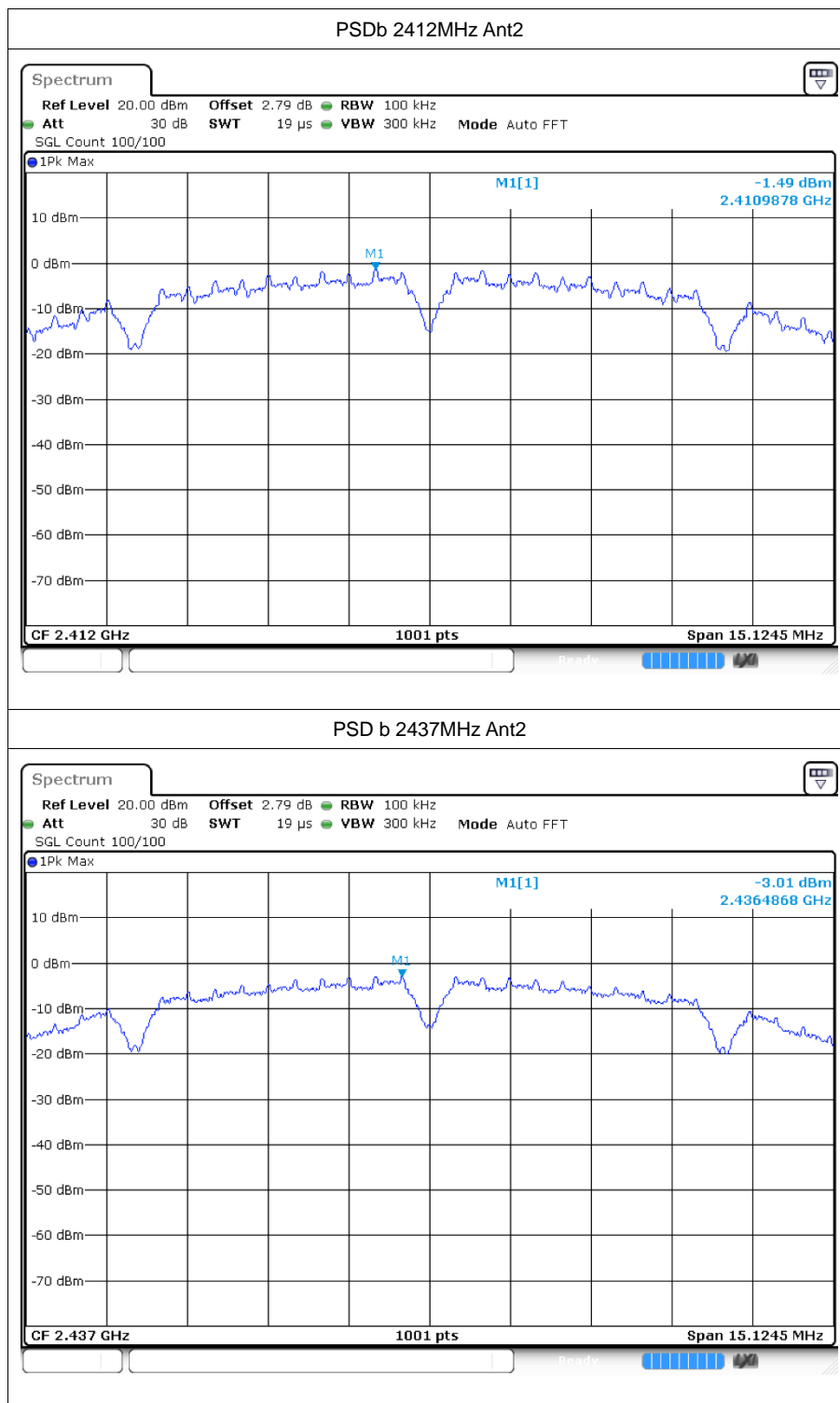


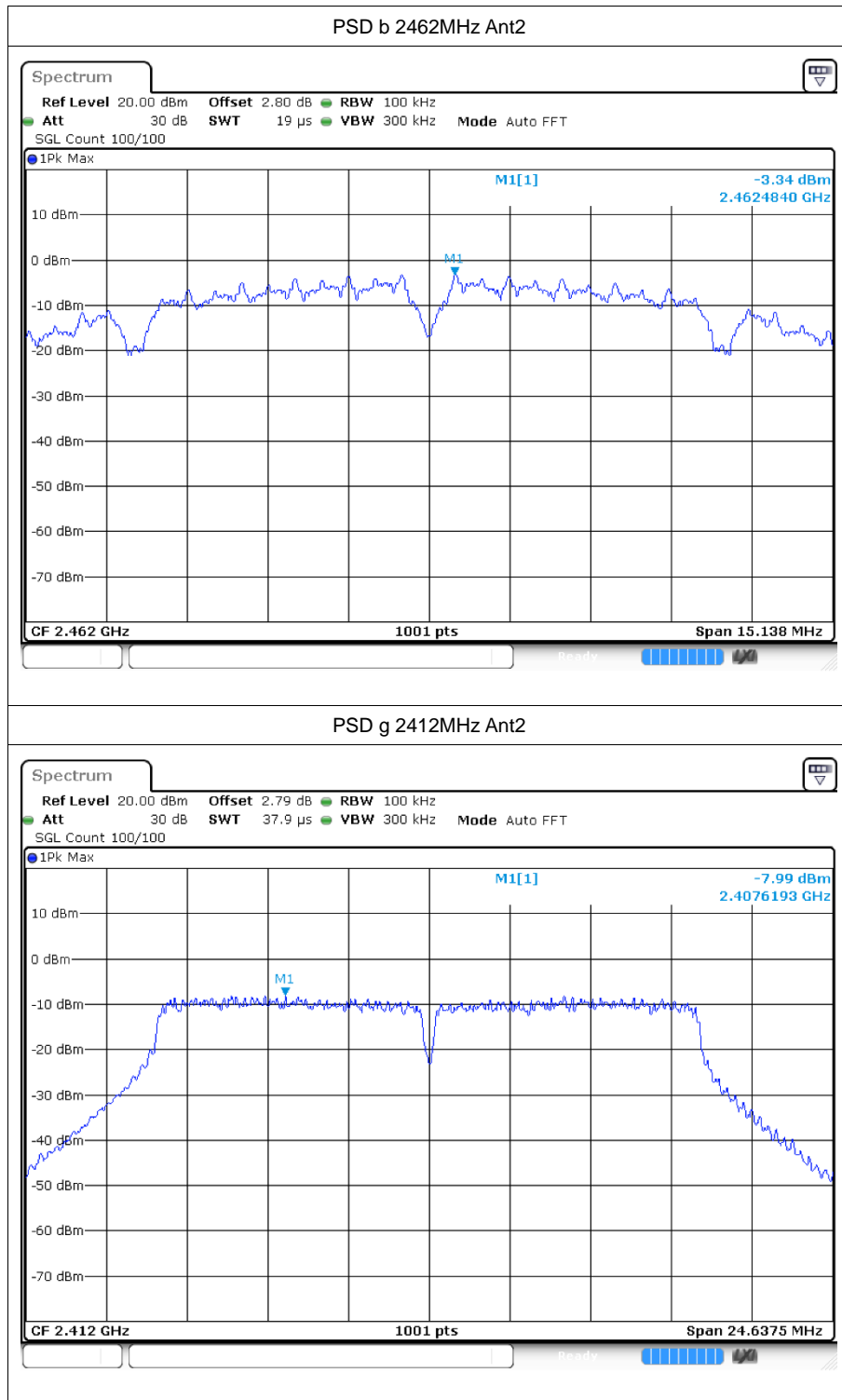


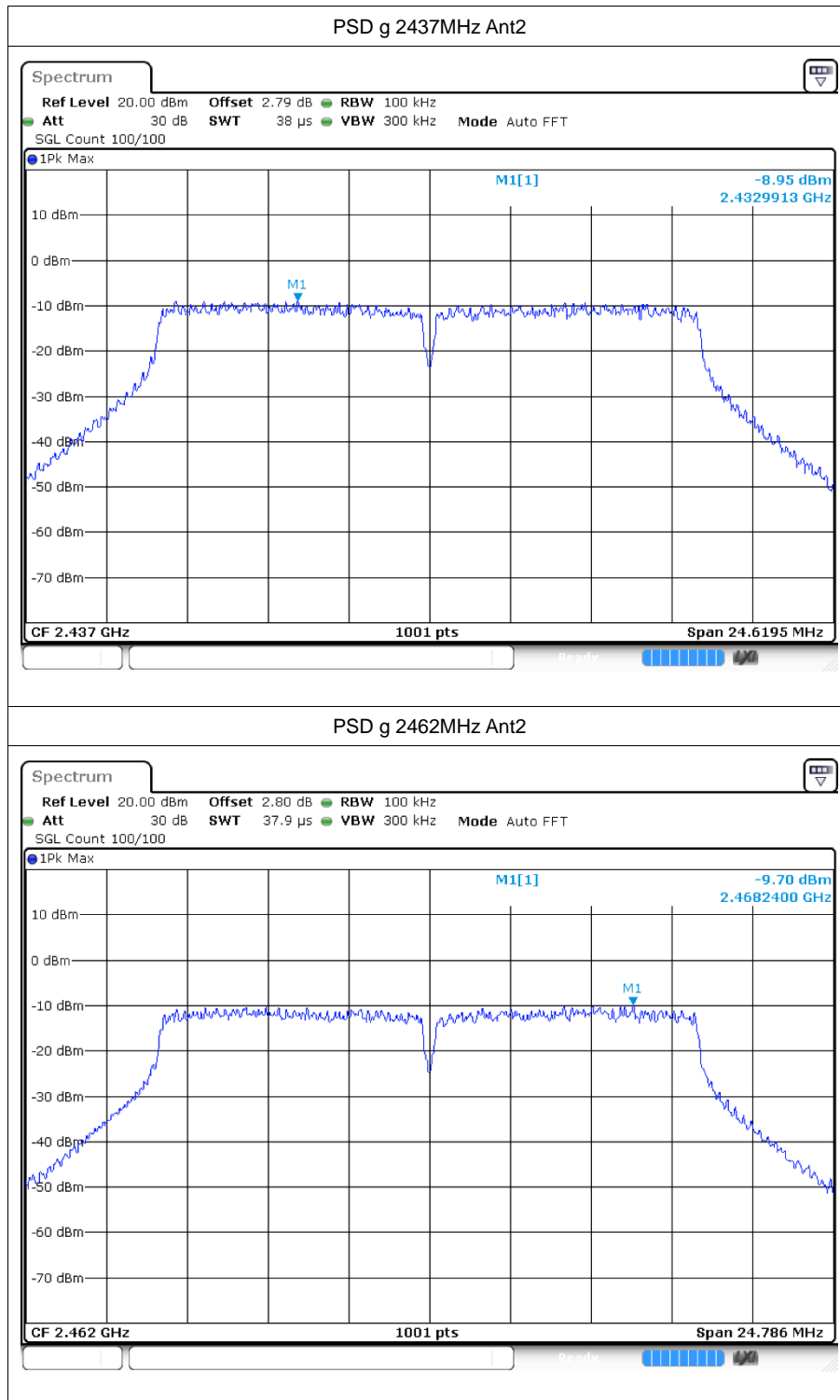


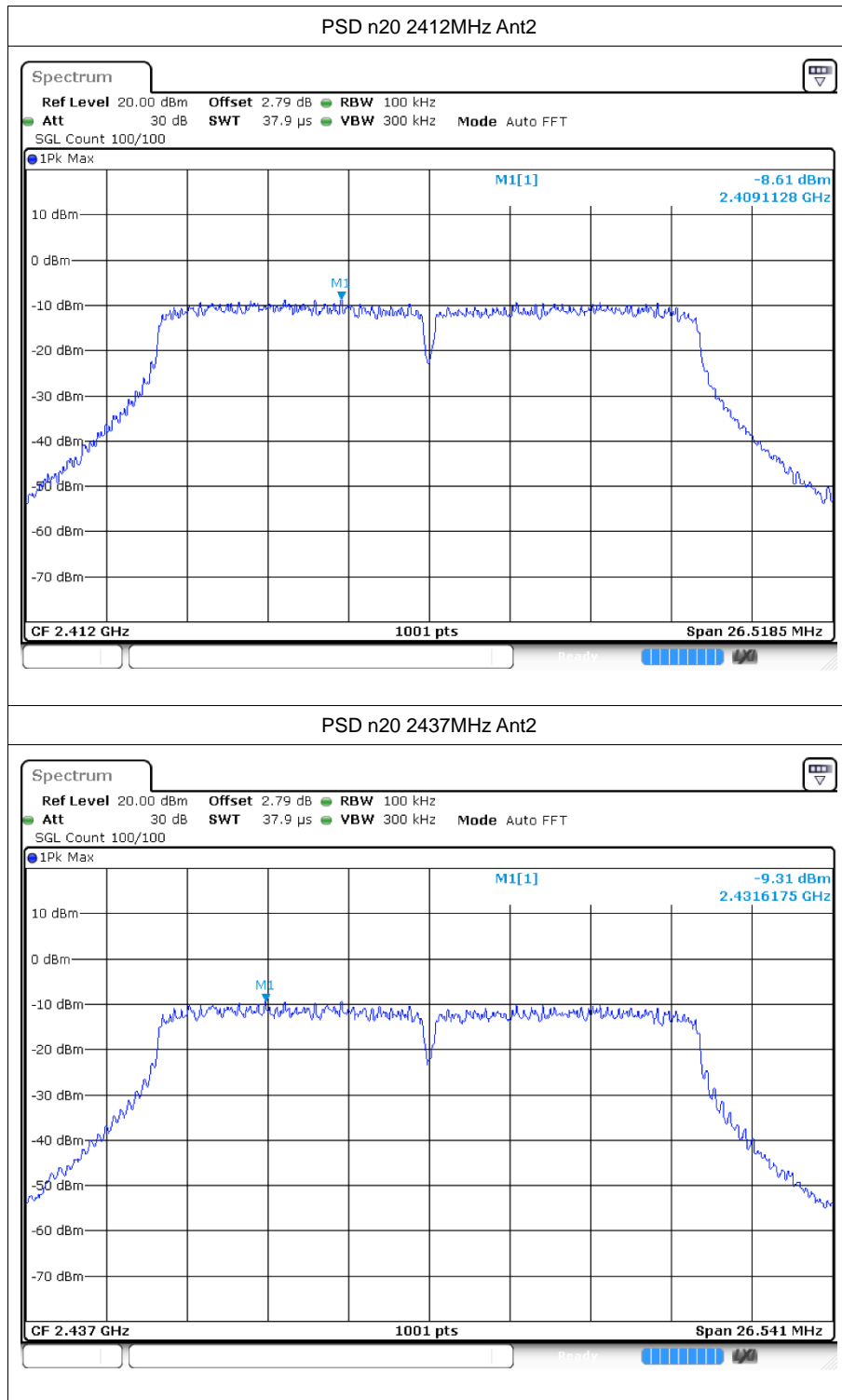


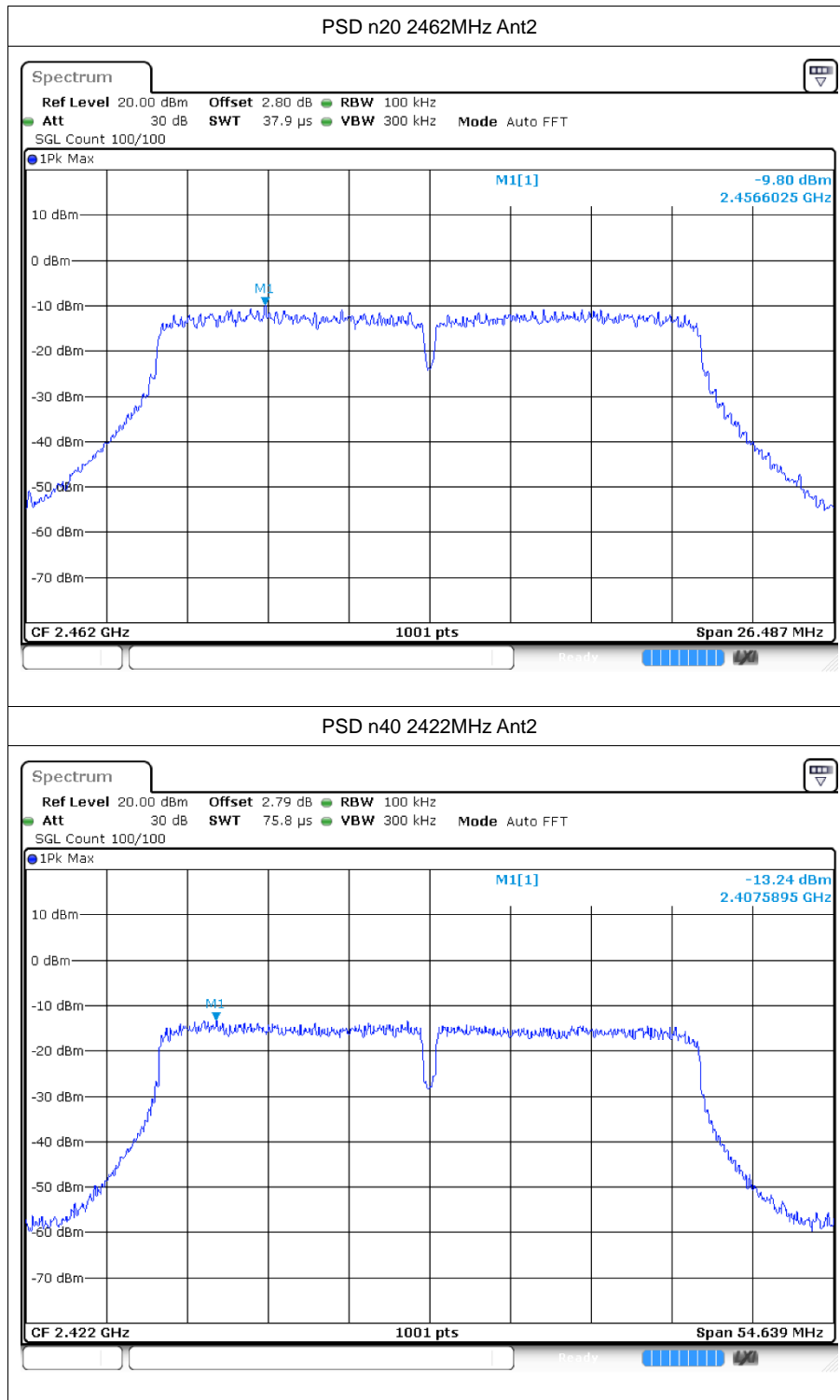


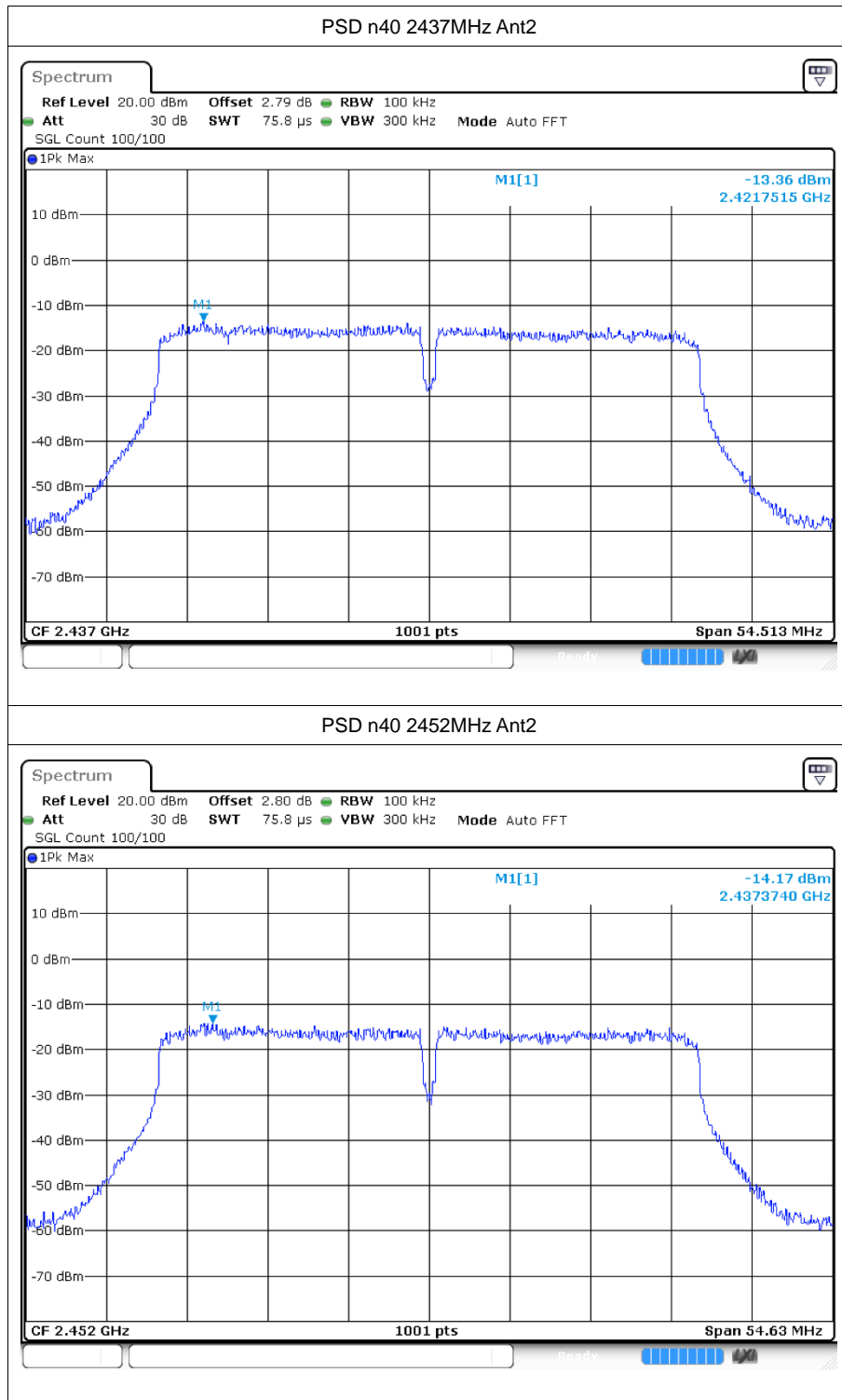














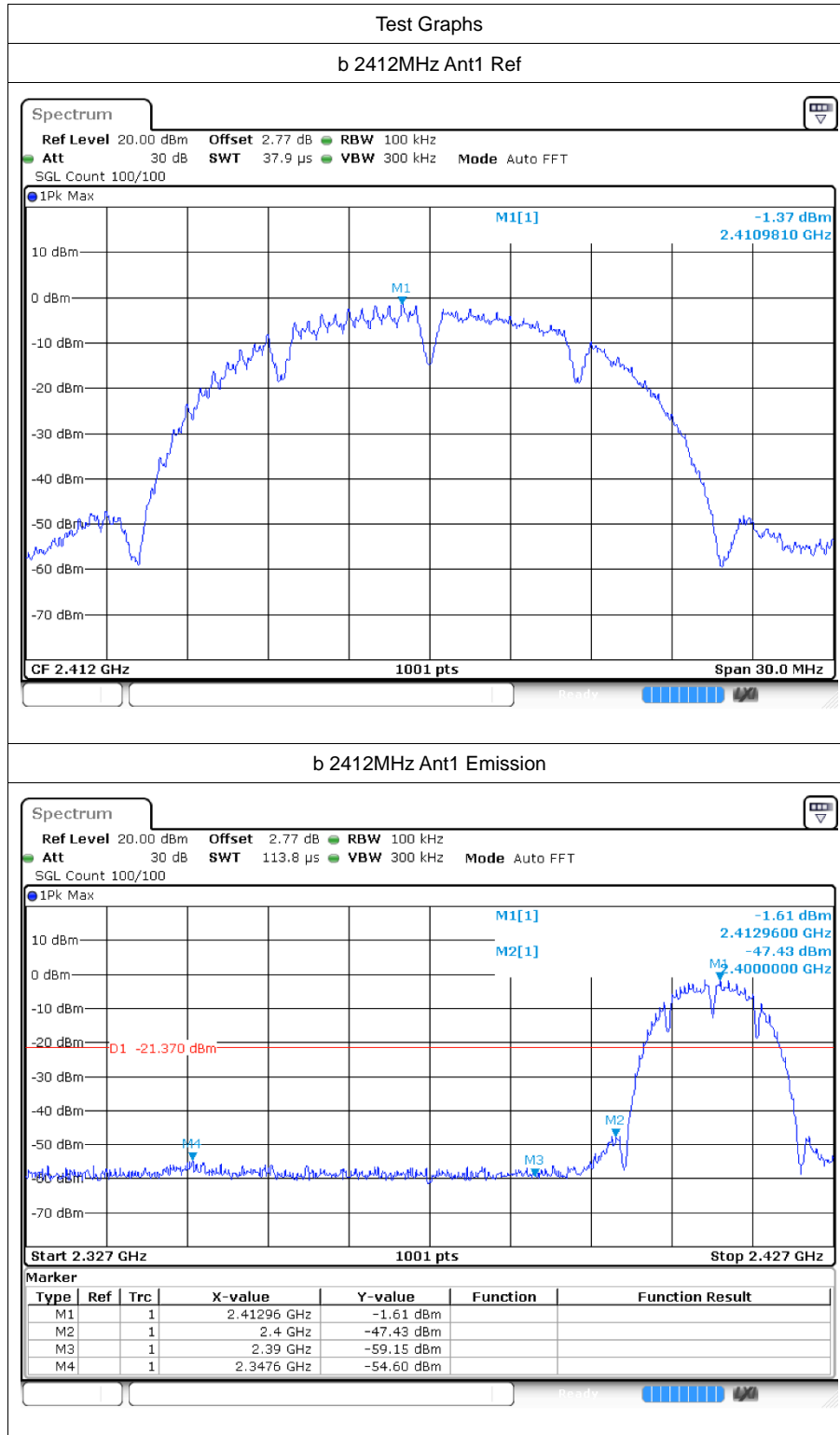
5 Band Edge

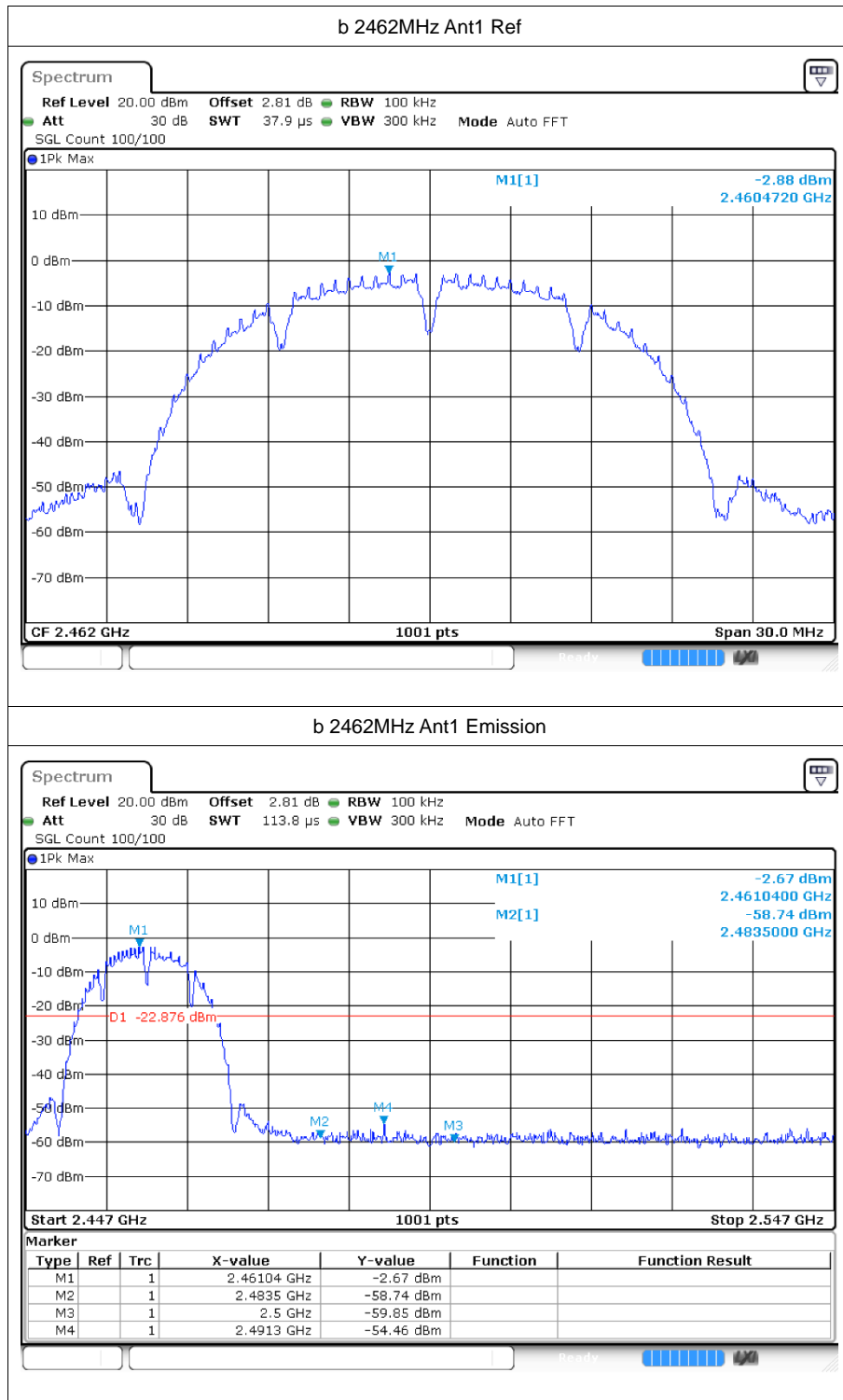
5.1 Test Result

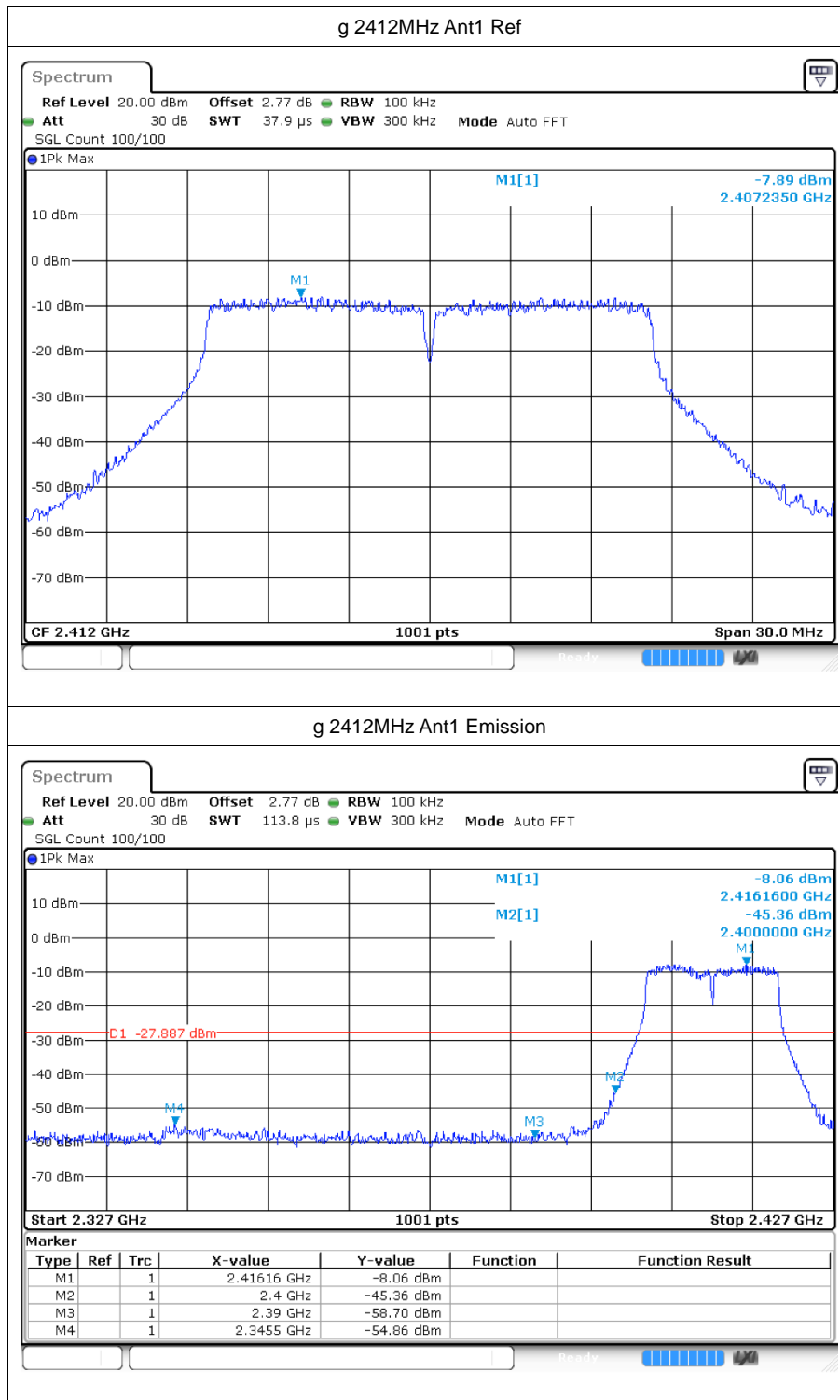
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-53.23	-20	-53.23
b	2462	Ant1	-51.57	-20	Pass
g	2412	Ant1	-46.96	-20	Pass
g	2462	Ant1	-46.8	-20	Pass
n20	2412	Ant1	-46.19	-20	Pass
n20	2462	Ant1	-46.59	-20	Pass
n40	2422	Ant1	-42.84	-20	Pass
n40	2452	Ant1	-41.25	-20	Pass
b	2412	Ant2	-53.04	-20	-53.04
b	2462	Ant2	-51.42	-20	Pass
g	2412	Ant2	-46.61	-20	Pass
g	2462	Ant2	-45.07	-20	Pass
n20	2412	Ant2	-46.42	-20	Pass
n20	2462	Ant2	-45.36	-20	Pass
n40	2422	Ant2	-42.09	-20	Pass
n40	2452	Ant2	-40.44	-20	Pass

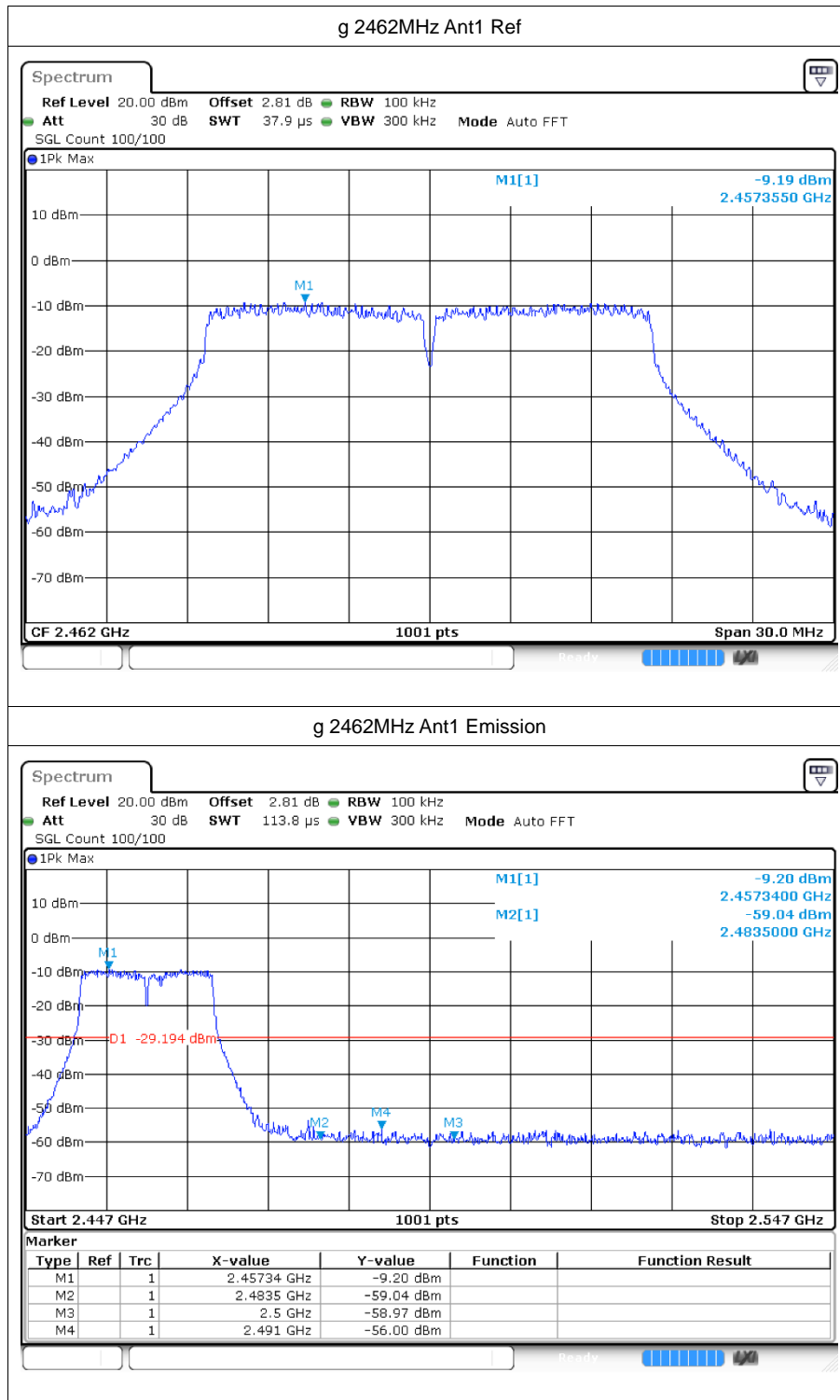


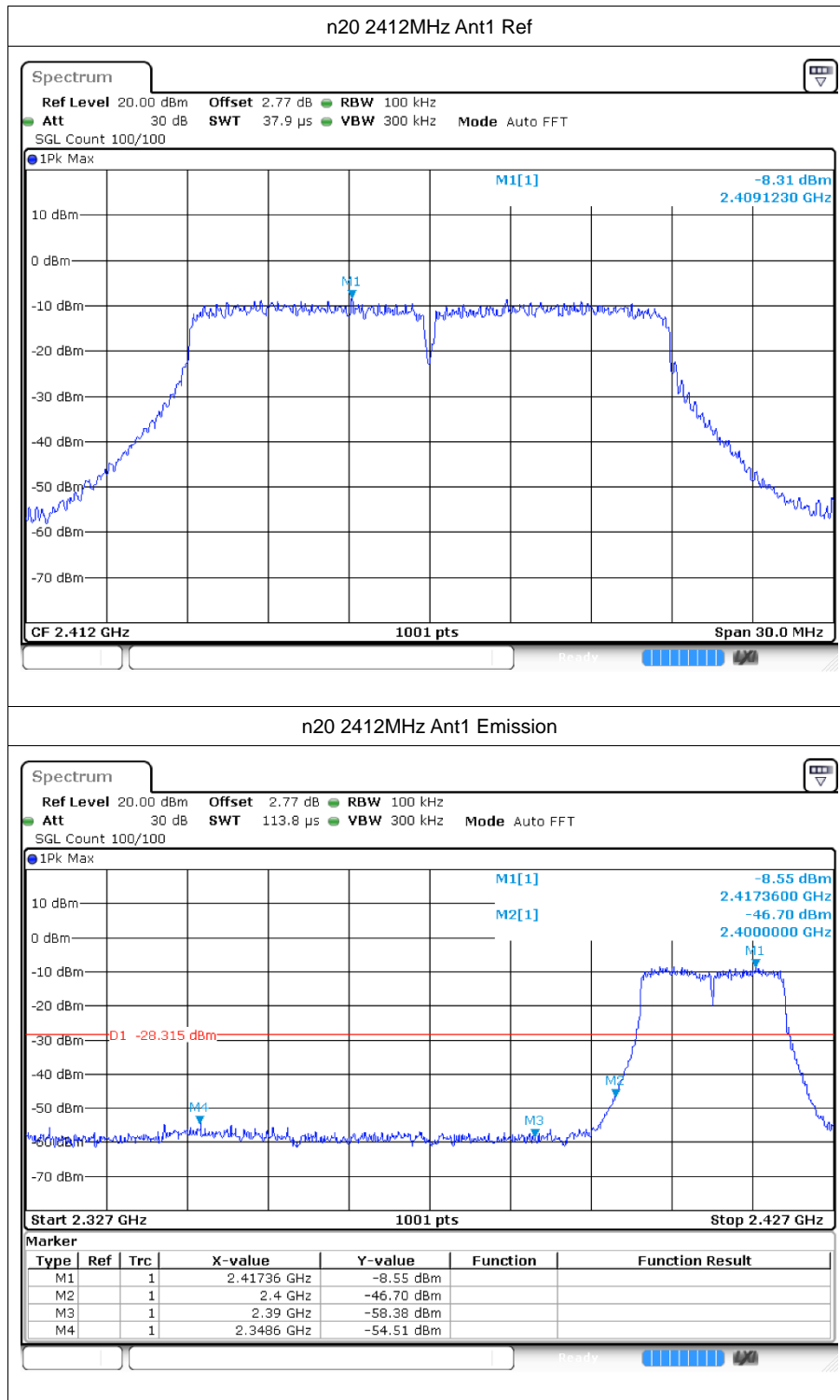
5.2 Test Graphs

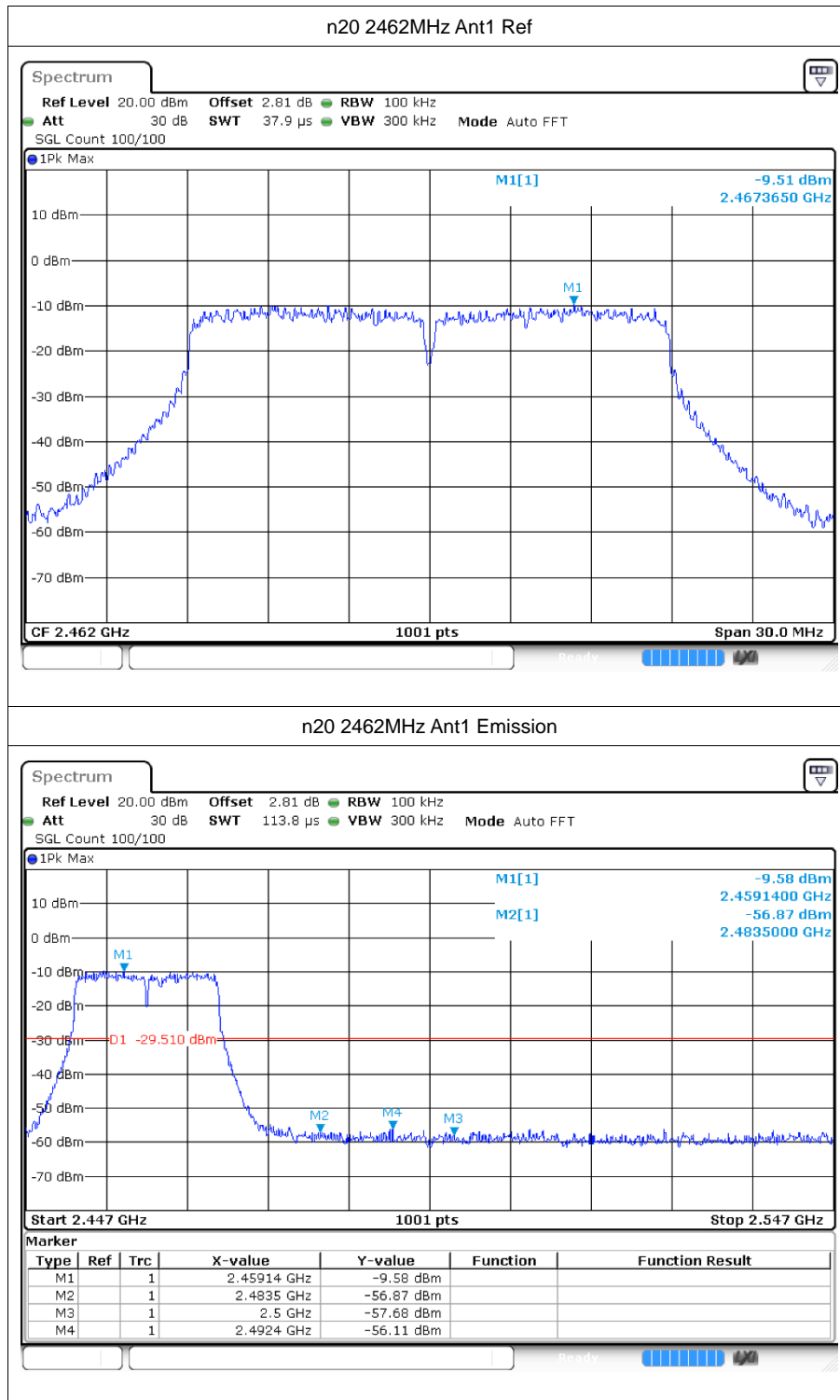


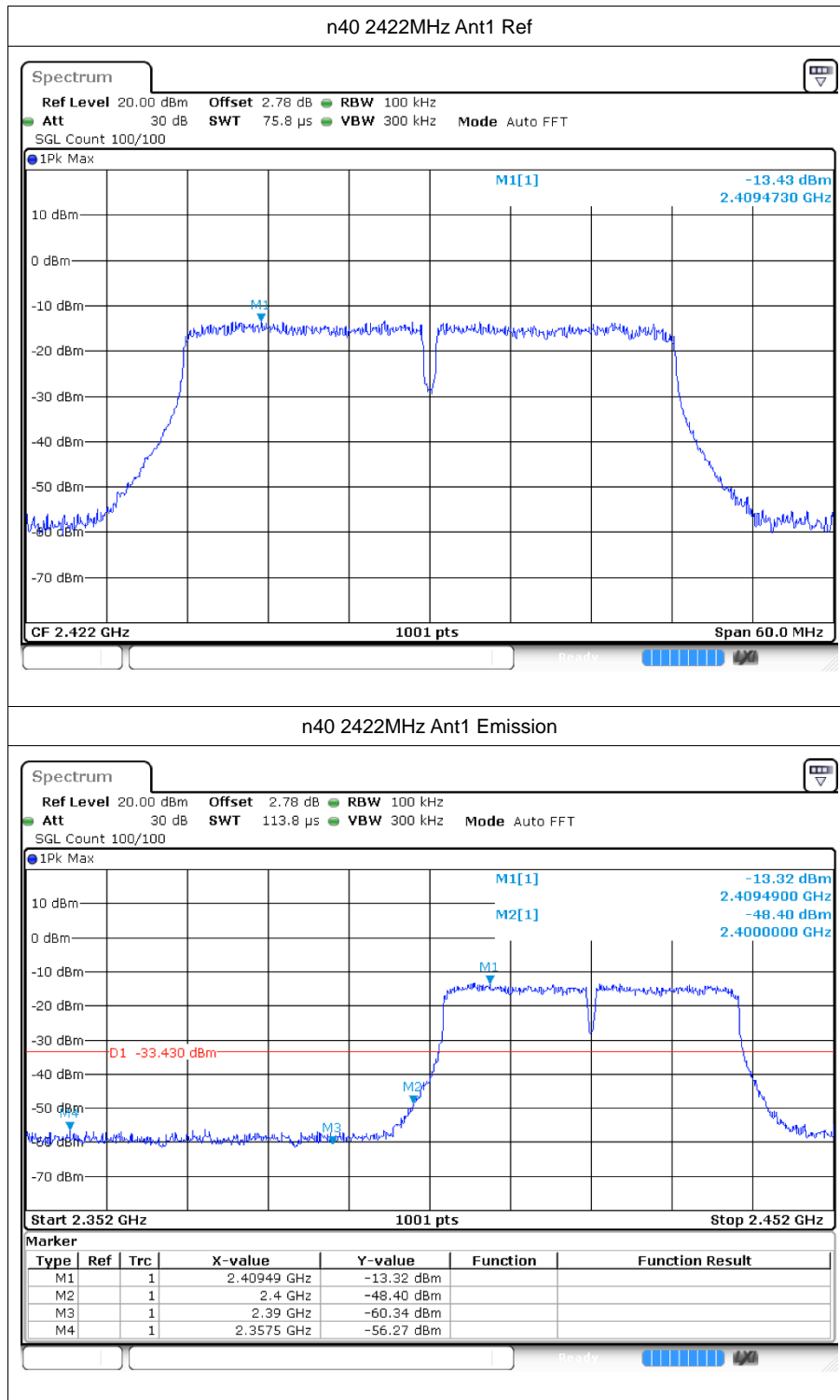


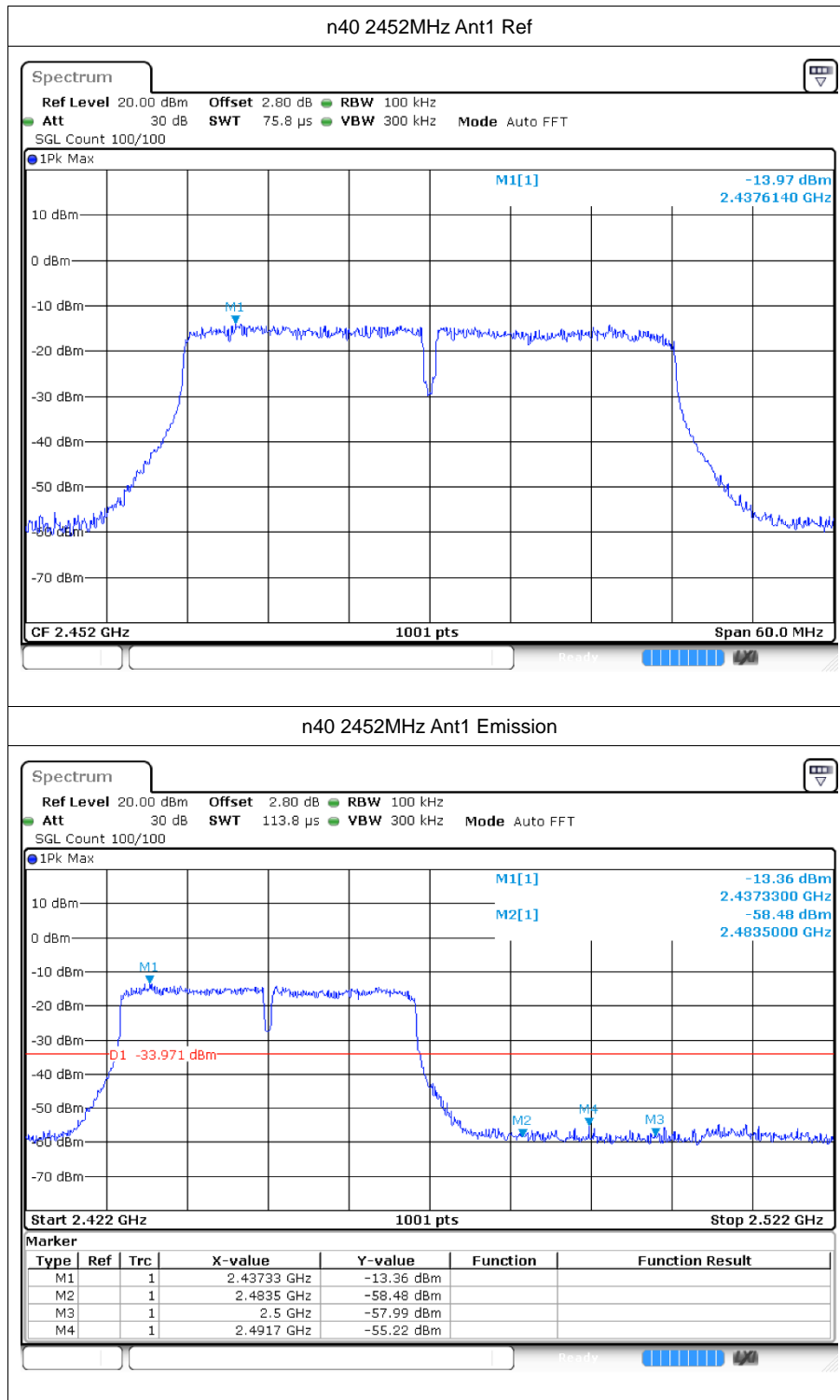


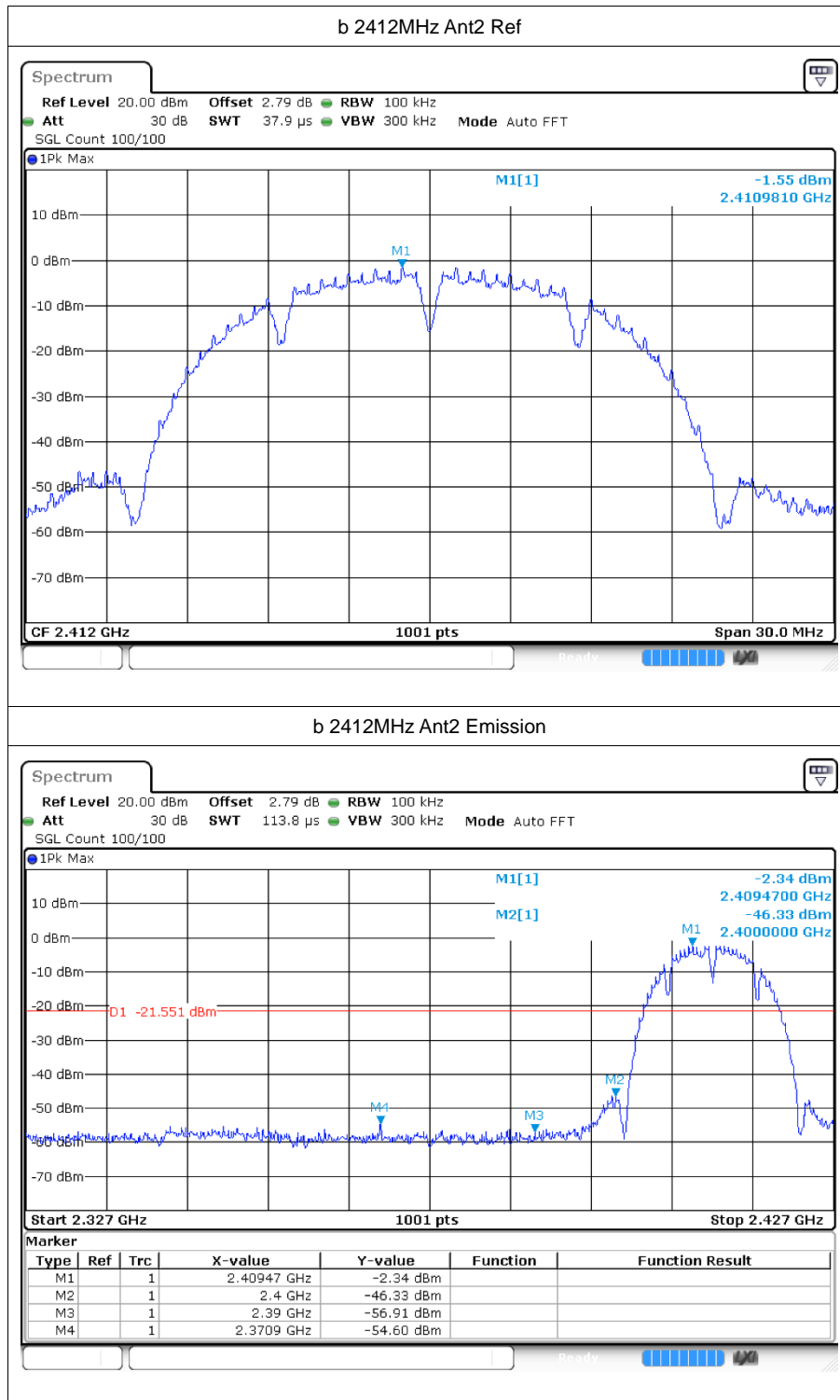


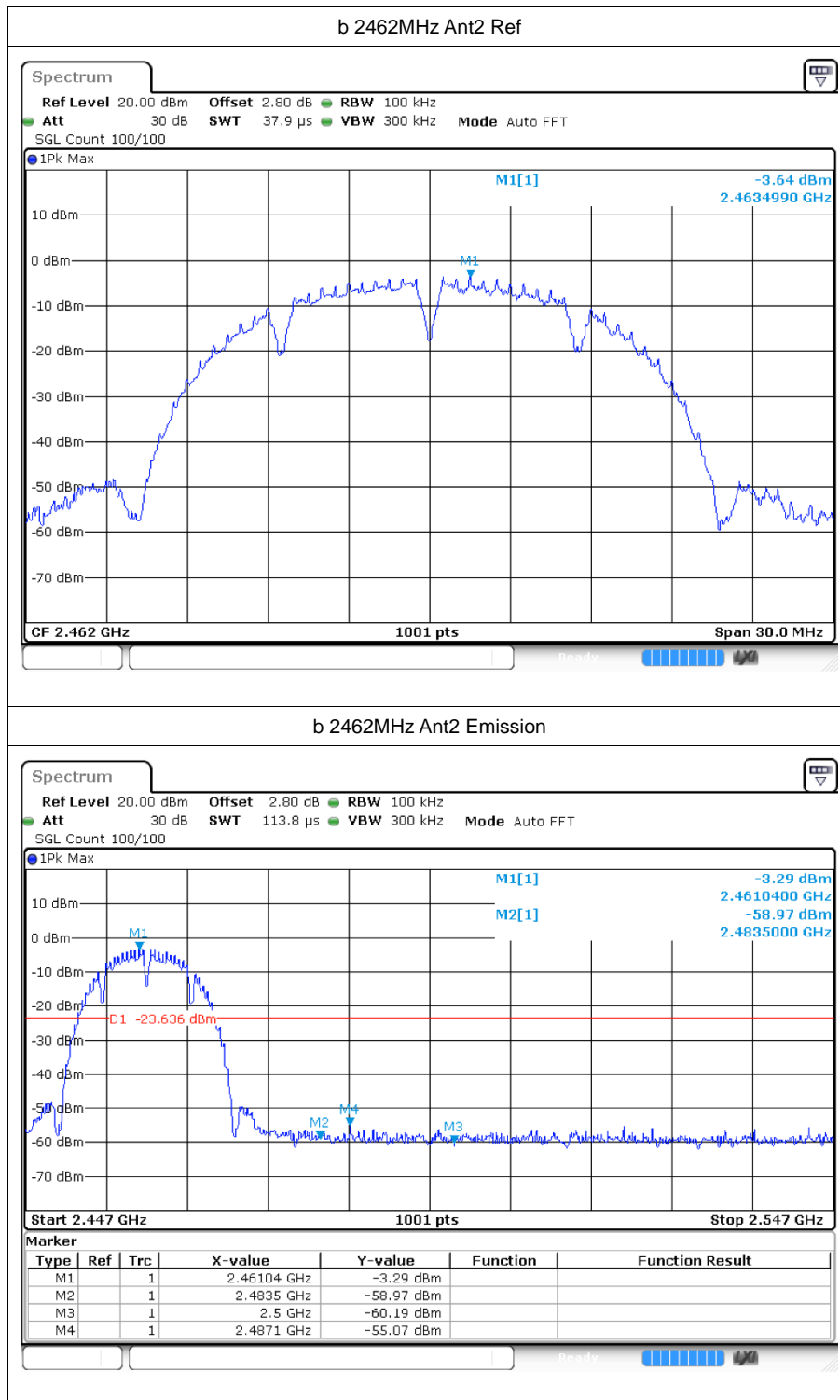


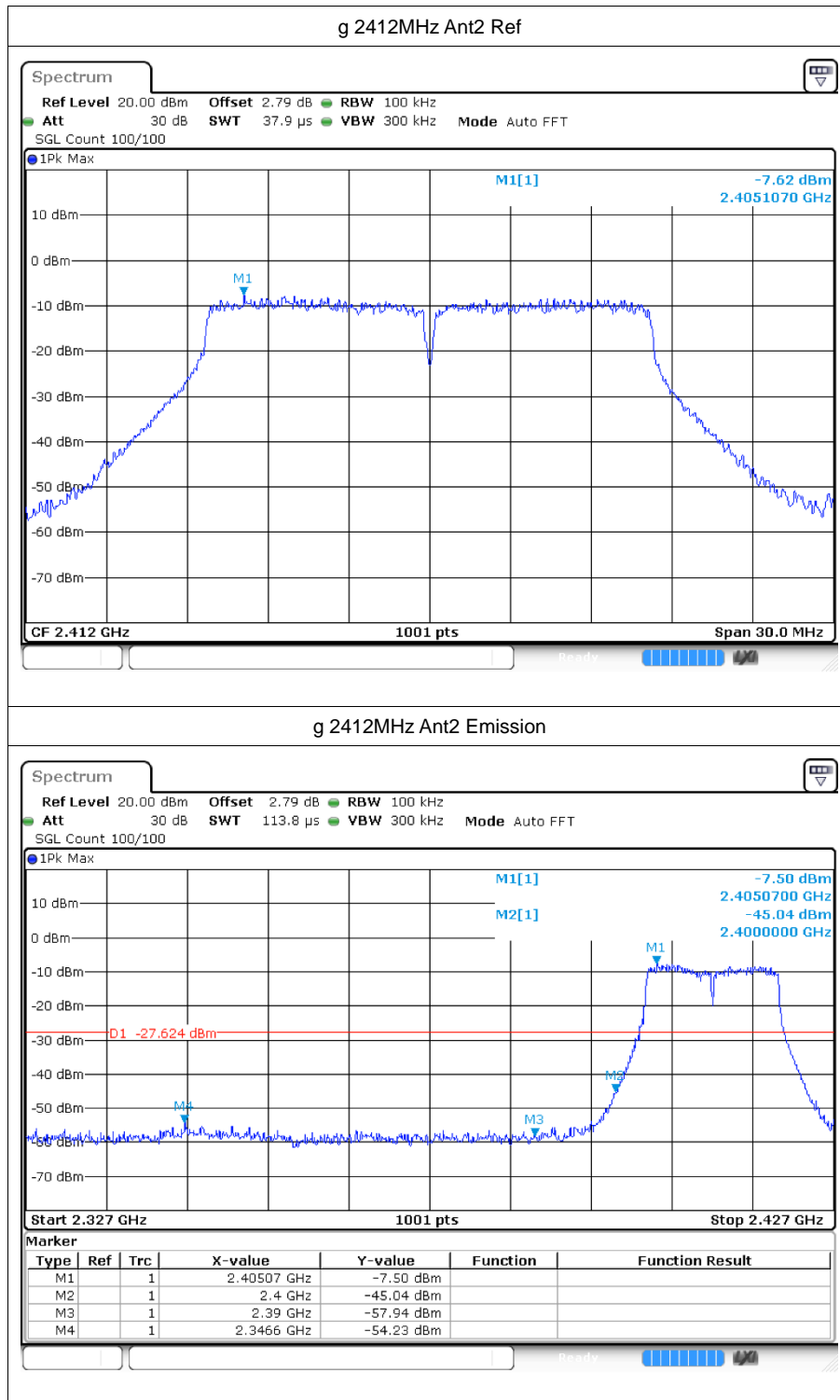


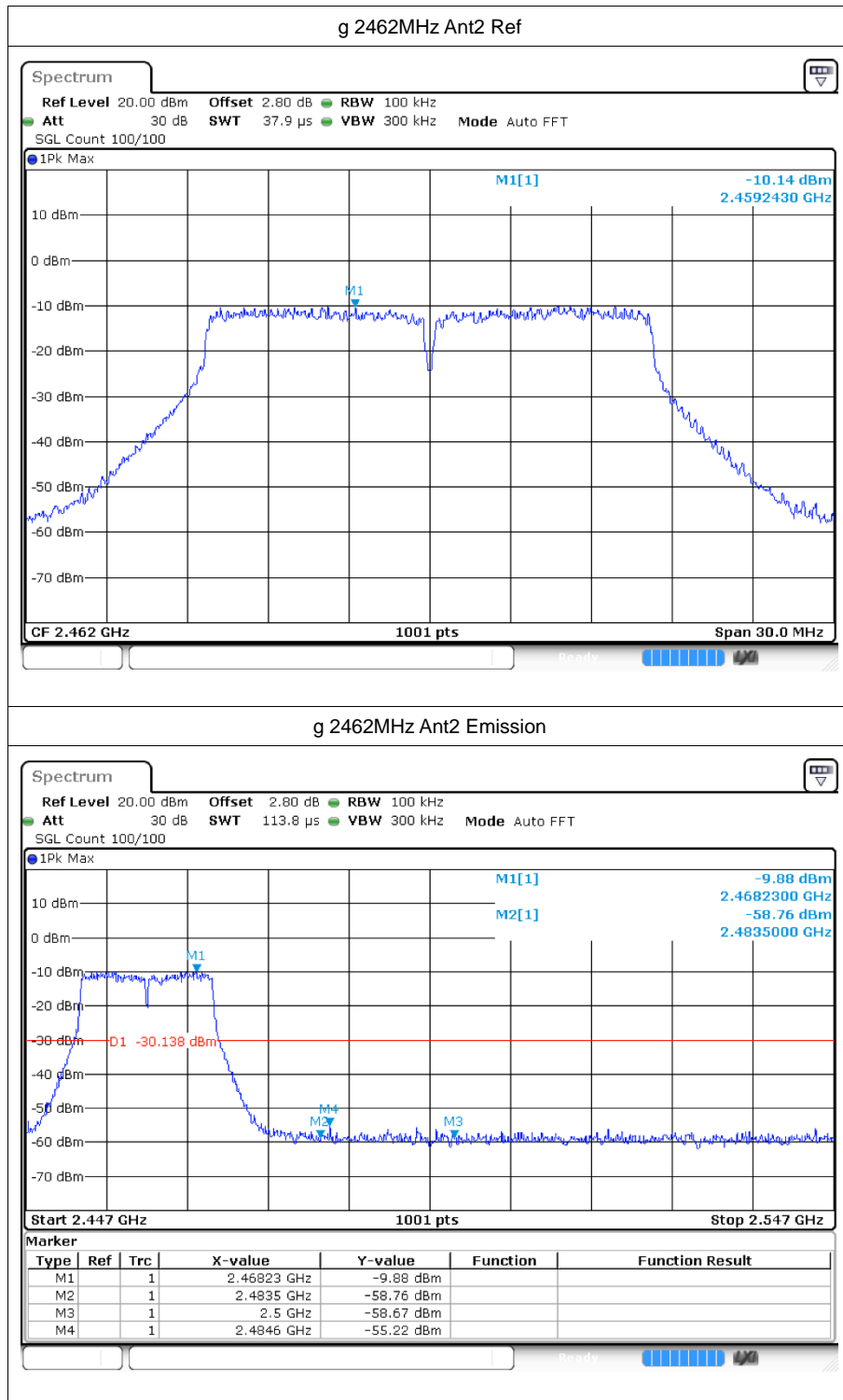


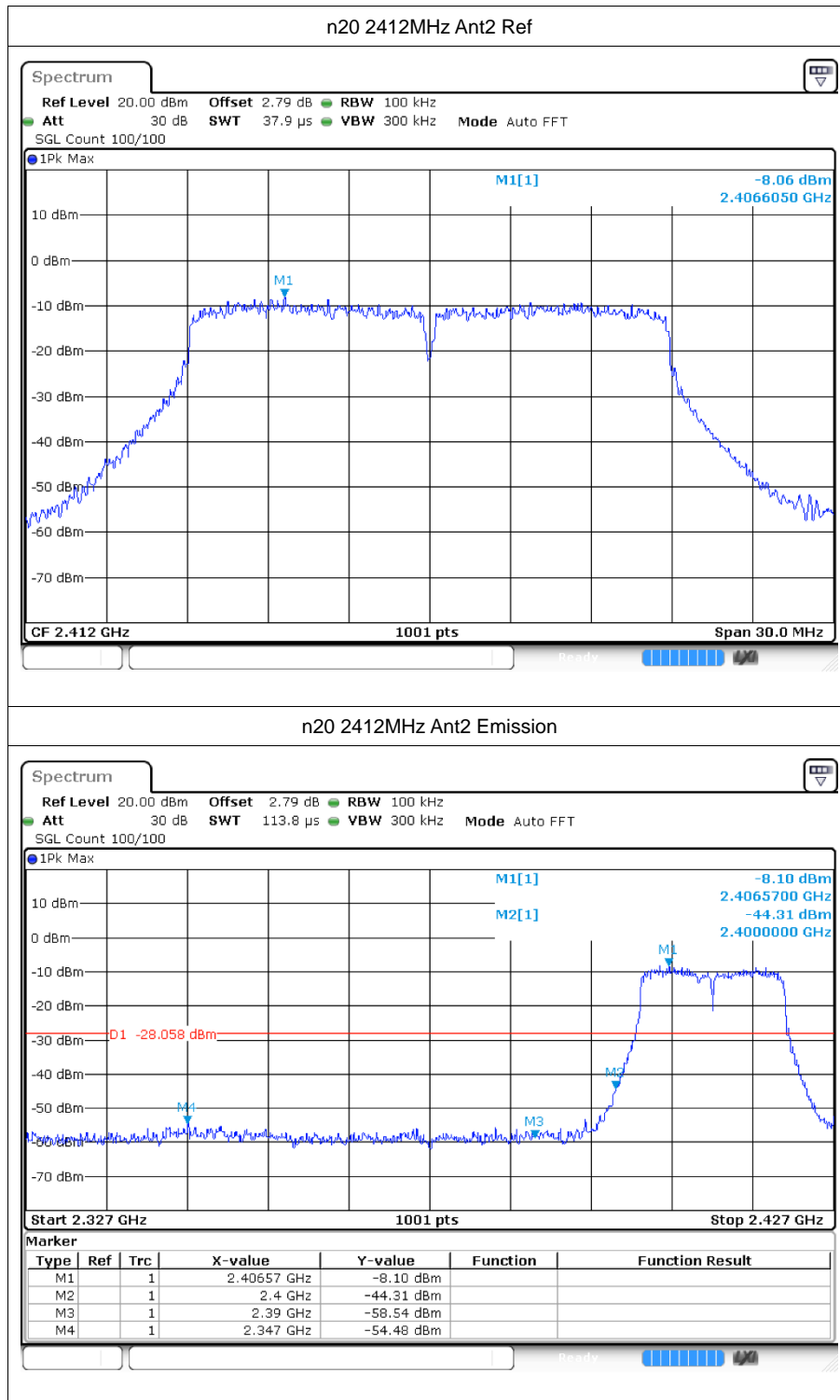


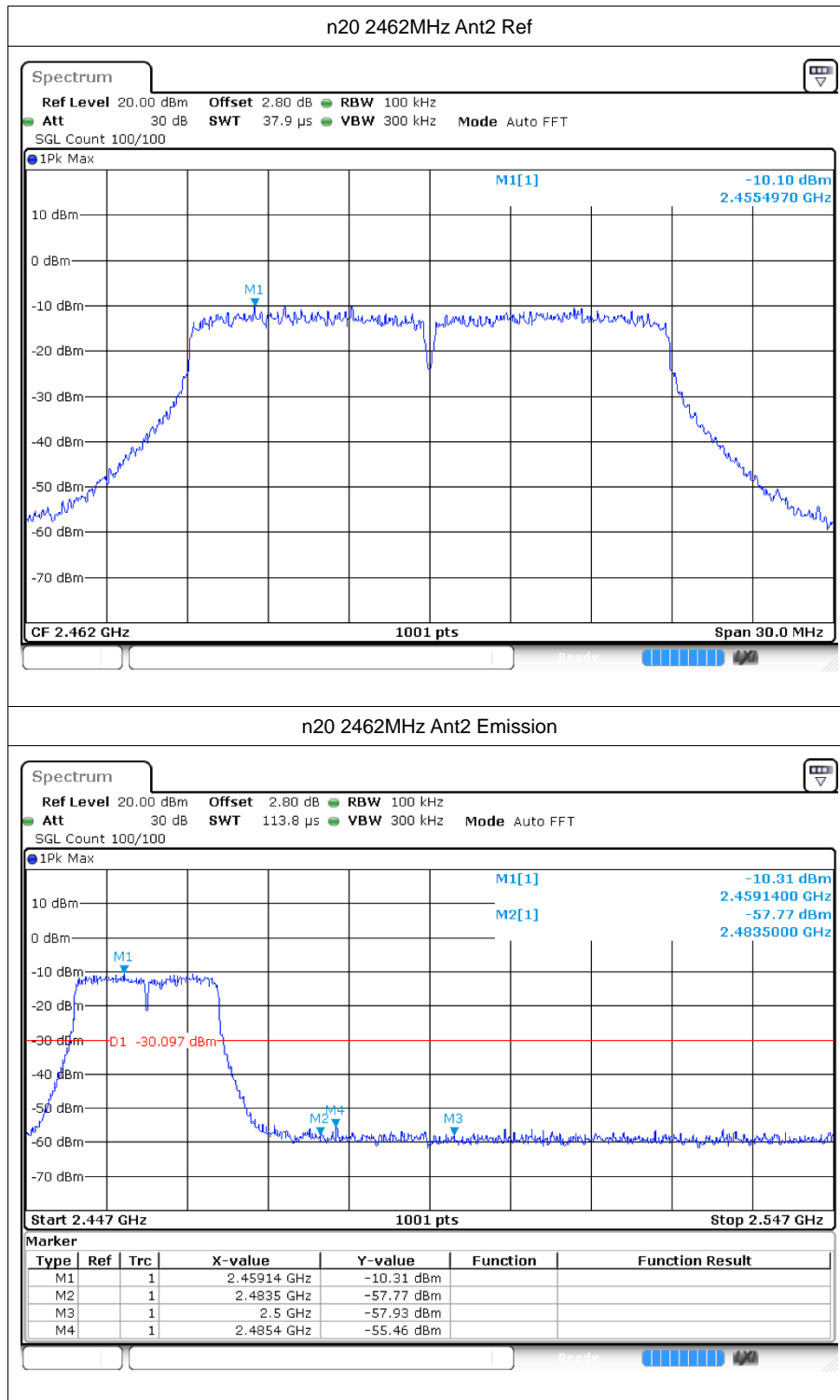


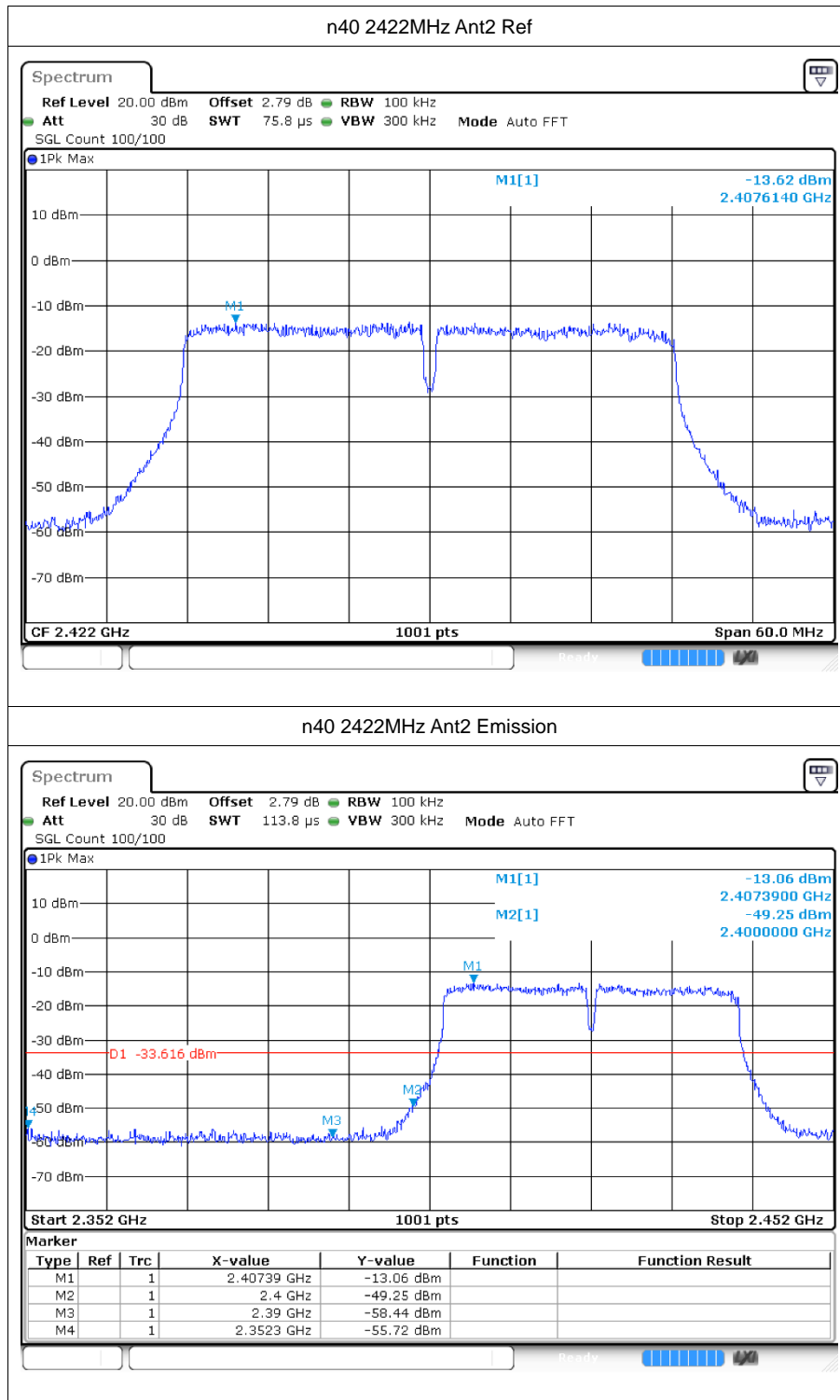


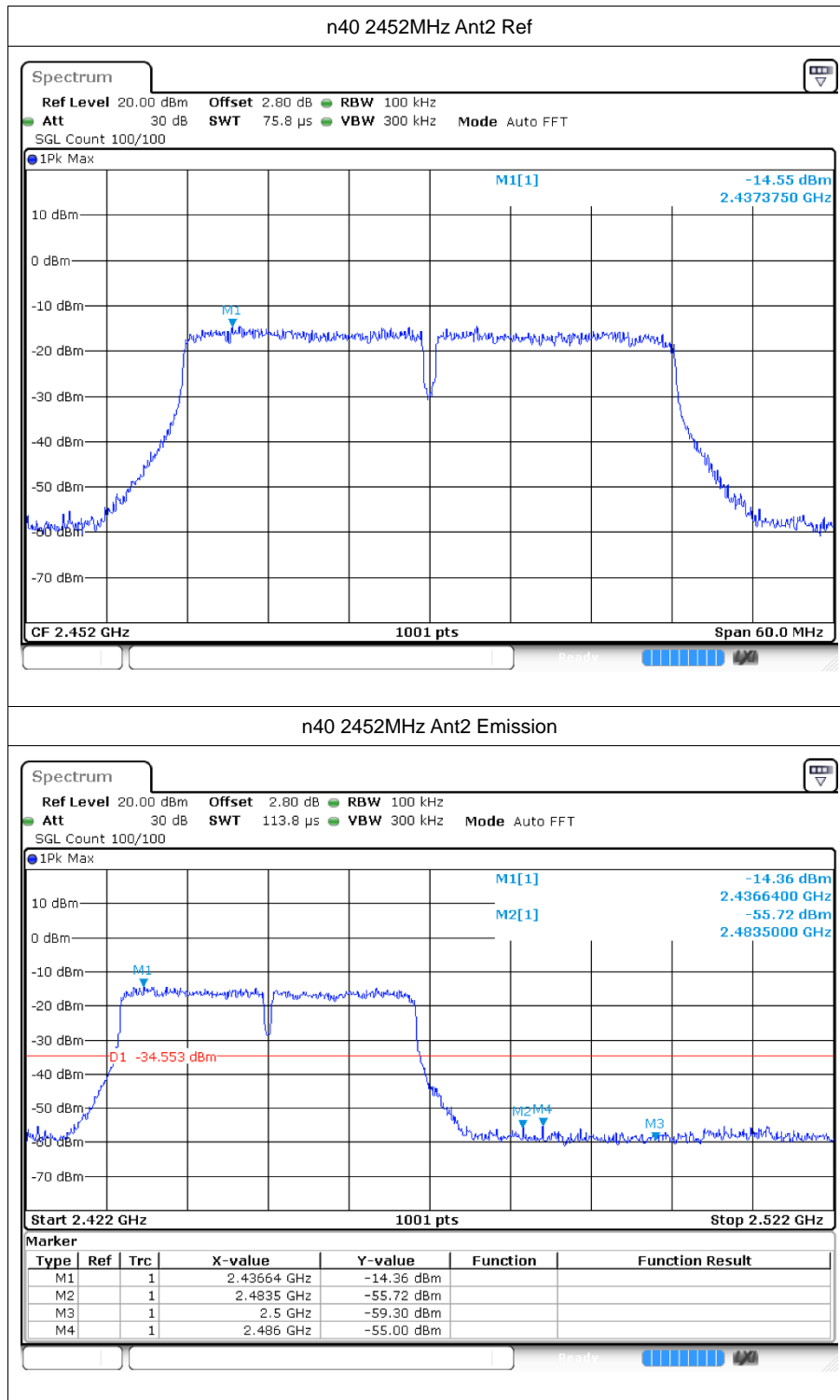














6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-41.91	-20	Pass
b	2437	Ant1	-41.95	-20	Pass
b	2462	Ant1	-40.27	-20	Pass
g	2412	Ant1	-35.95	-20	Pass
g	2437	Ant1	-35.27	-20	Pass
g	2462	Ant1	-34.18	-20	Pass
n20	2412	Ant1	-35.72	-20	Pass
n20	2437	Ant1	-33.62	-20	Pass
n20	2462	Ant1	-33	-20	Pass
n40	2422	Ant1	-30.37	-20	Pass
n40	2437	Ant1	-30.38	-20	Pass
n40	2452	Ant1	-29.56	-20	Pass
b	2412	Ant2	-42.49	-20	Pass
b	2437	Ant2	-41.14	-20	Pass
b	2462	Ant2	-39.82	-20	Pass
g	2412	Ant2	-36.25	-20	Pass
g	2437	Ant2	-35.24	-20	Pass
g	2462	Ant2	-33.95	-20	Pass
n20	2412	Ant2	-35.76	-20	Pass
n20	2437	Ant2	-34.53	-20	Pass
n20	2462	Ant2	-33.23	-20	Pass
n40	2422	Ant2	-29.76	-20	Pass
n40	2437	Ant2	-28.6	-20	Pass
n40	2452	Ant2	-29.27	-20	Pass