



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Glasses-free 3D Display

Trade Mark: STARTEK

Test Model: KD430UHFVA024

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya Lin
Supervised by:	Simba Huang



Contents

	Page
COVER PAGE	
1 Duty Cycle	3
1.1 Test Result	3
1.2 Test Graphs	4
2 Maximum Conducted Output Power	10
2.1 Test Result	10
3 -6dB Bandwidth	12
3.1 Test Result	12
3.2 Test Graphs	14
4 Maximum Power Spectral Density Level	20
4.1 Test Result	20
4.2 Test Graphs	22
5 Band Edge	28
5.1 Test Result	28
5.2 Test Graphs	29
6 Conducted RF Spurious Emission	37
6.1 Test Result	37
6.2 Test Graphs	39
7 Restrict Band	51
7.1 Test Result	51
7.2 Test Graphs	58



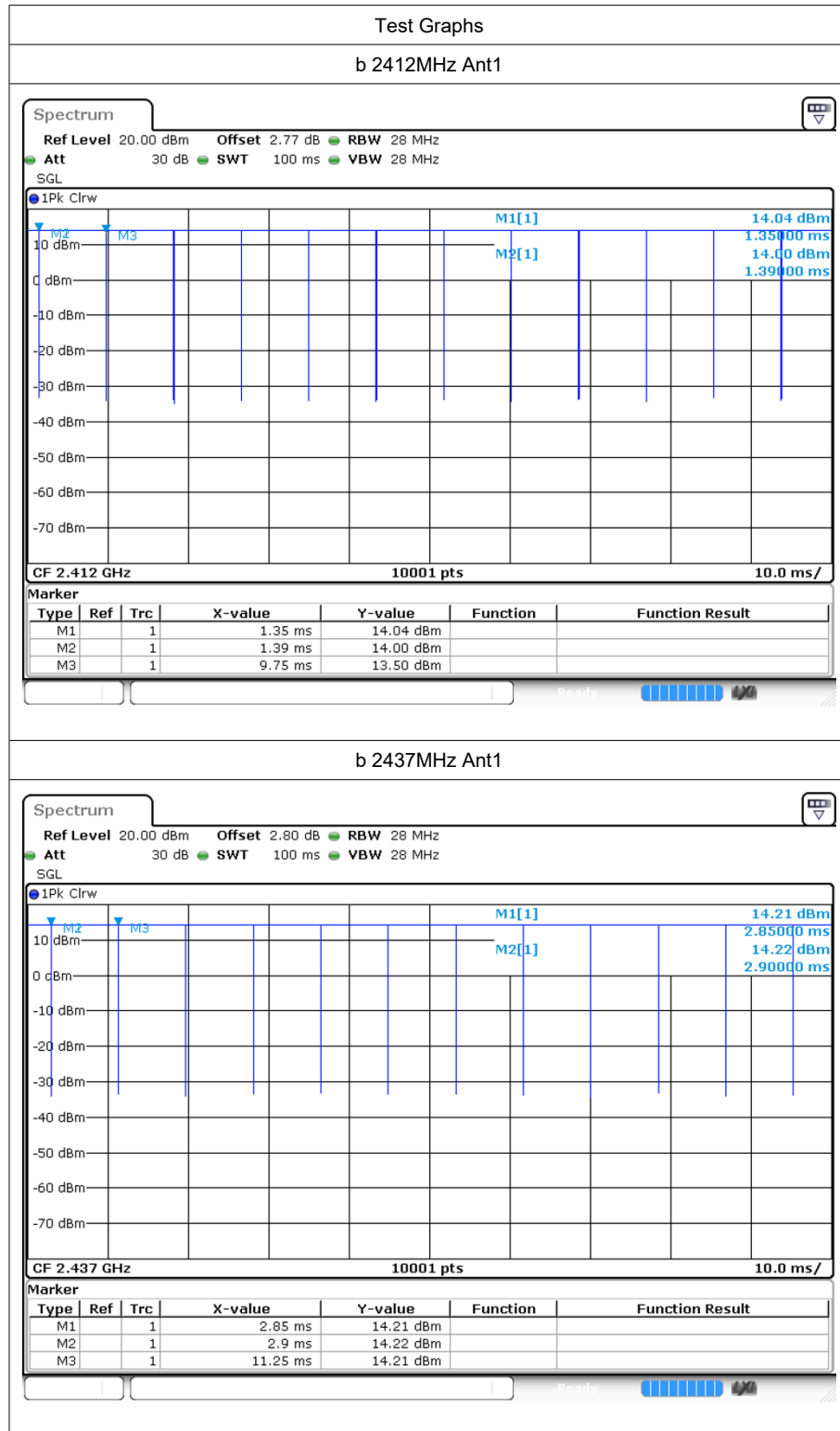
1 Duty Cycle

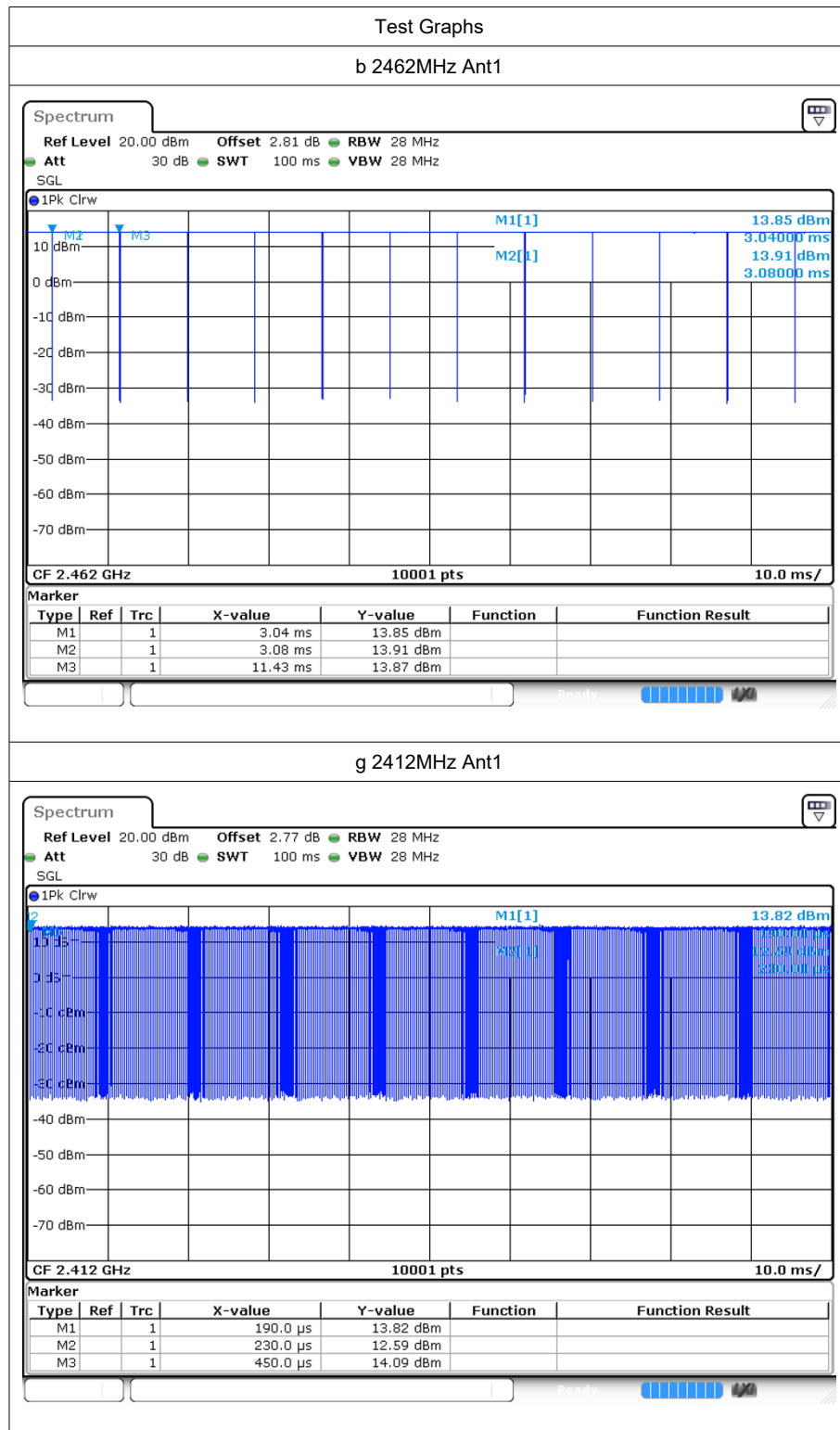
1.1 Test Result

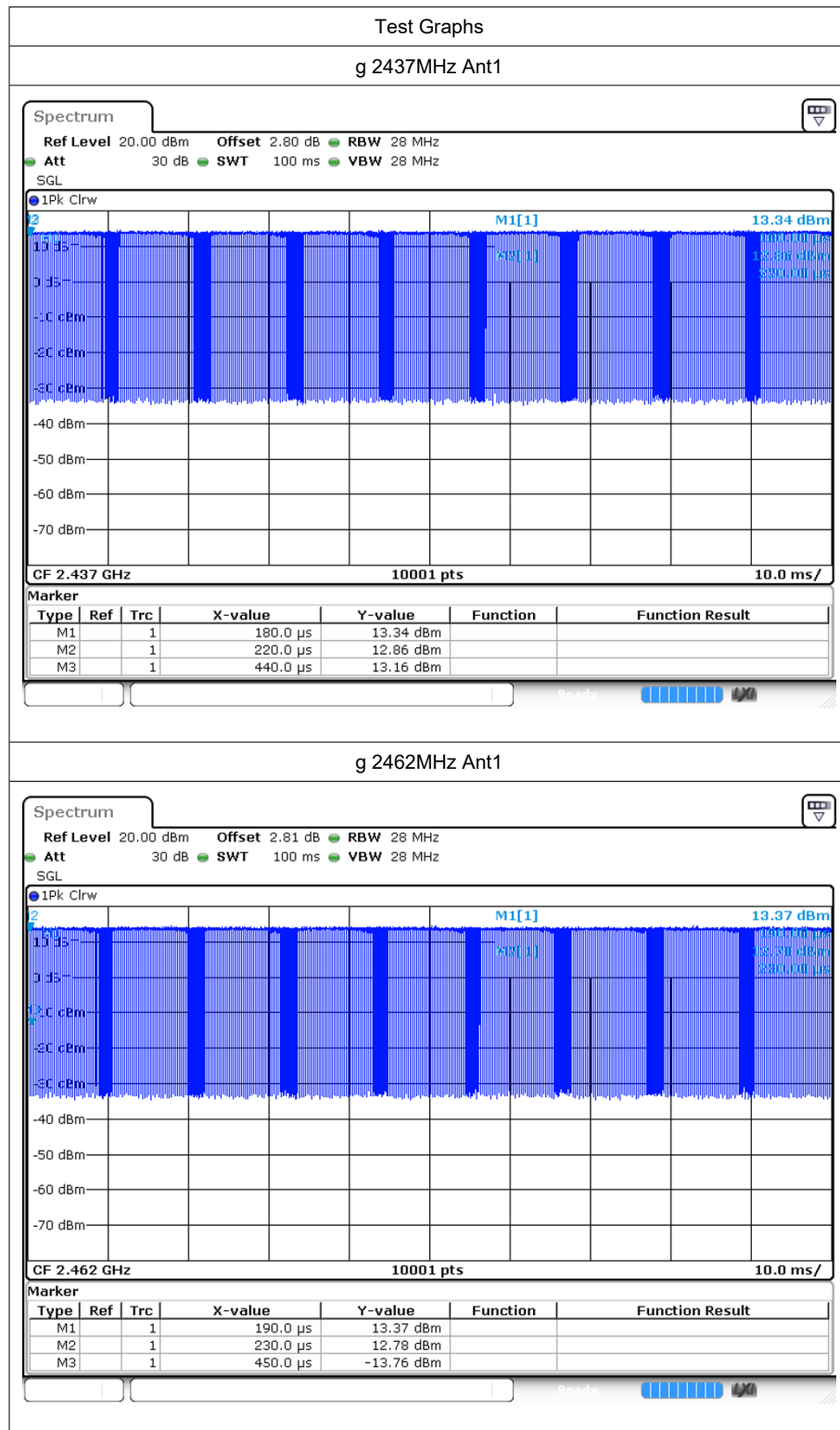
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	99.6	0.02	0.12
b	2437	Ant1	99.59	0.02	0.12
b	2462	Ant1	99.6	0.02	0.12
g	2412	Ant1	86.9	0.61	4.55
g	2437	Ant1	86.88	0.61	4.55
g	2462	Ant1	86.87	0.61	4.55
n20	2412	Ant1	87.5	0.58	4.17
n20	2437	Ant1	87.43	0.58	4.35
n20	2462	Ant1	87.48	0.58	4.35
n40	2422	Ant1	87.97	0.56	4.17
n40	2437	Ant1	87.97	0.56	4
n40	2452	Ant1	87.96	0.56	4.17

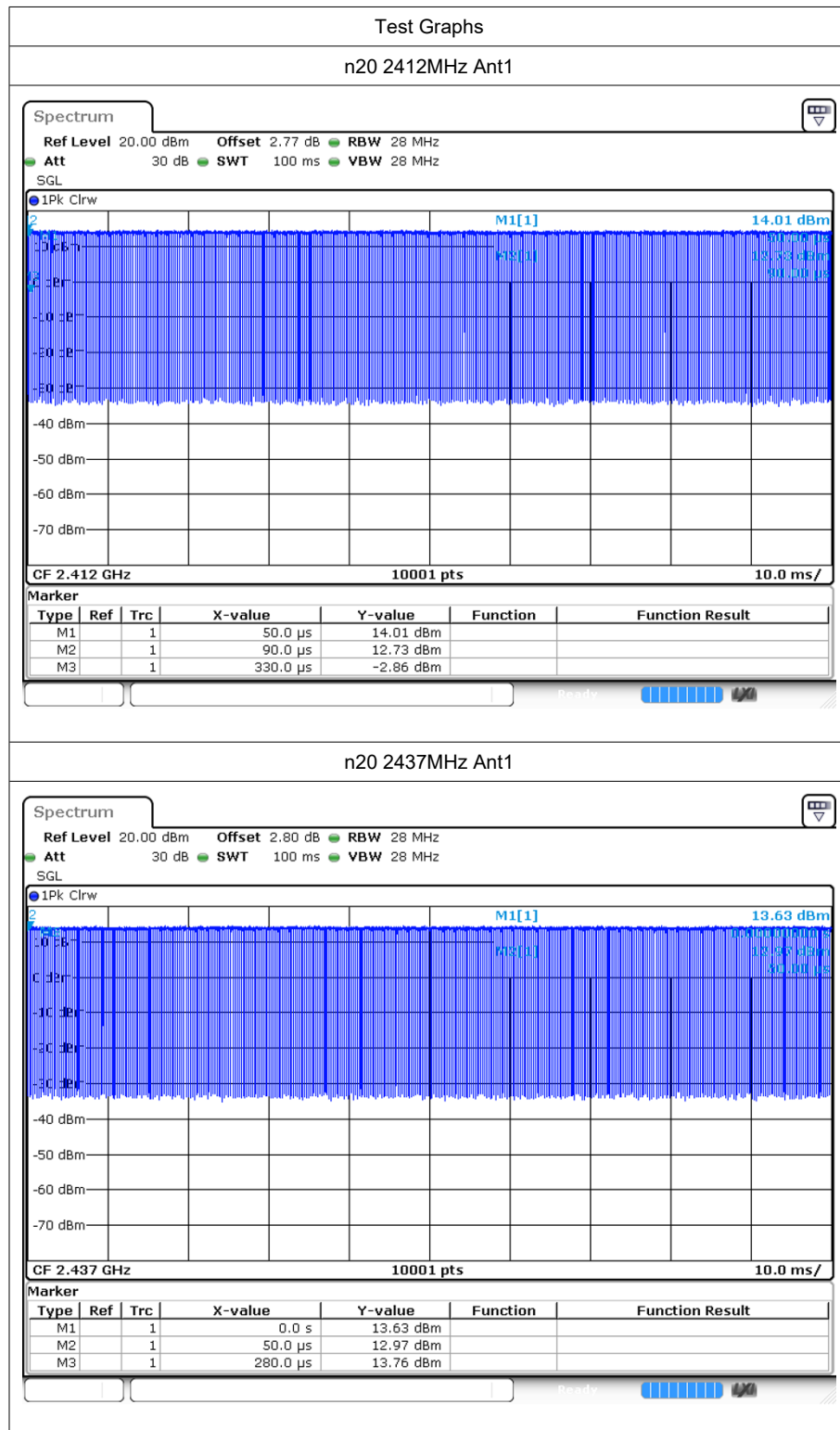


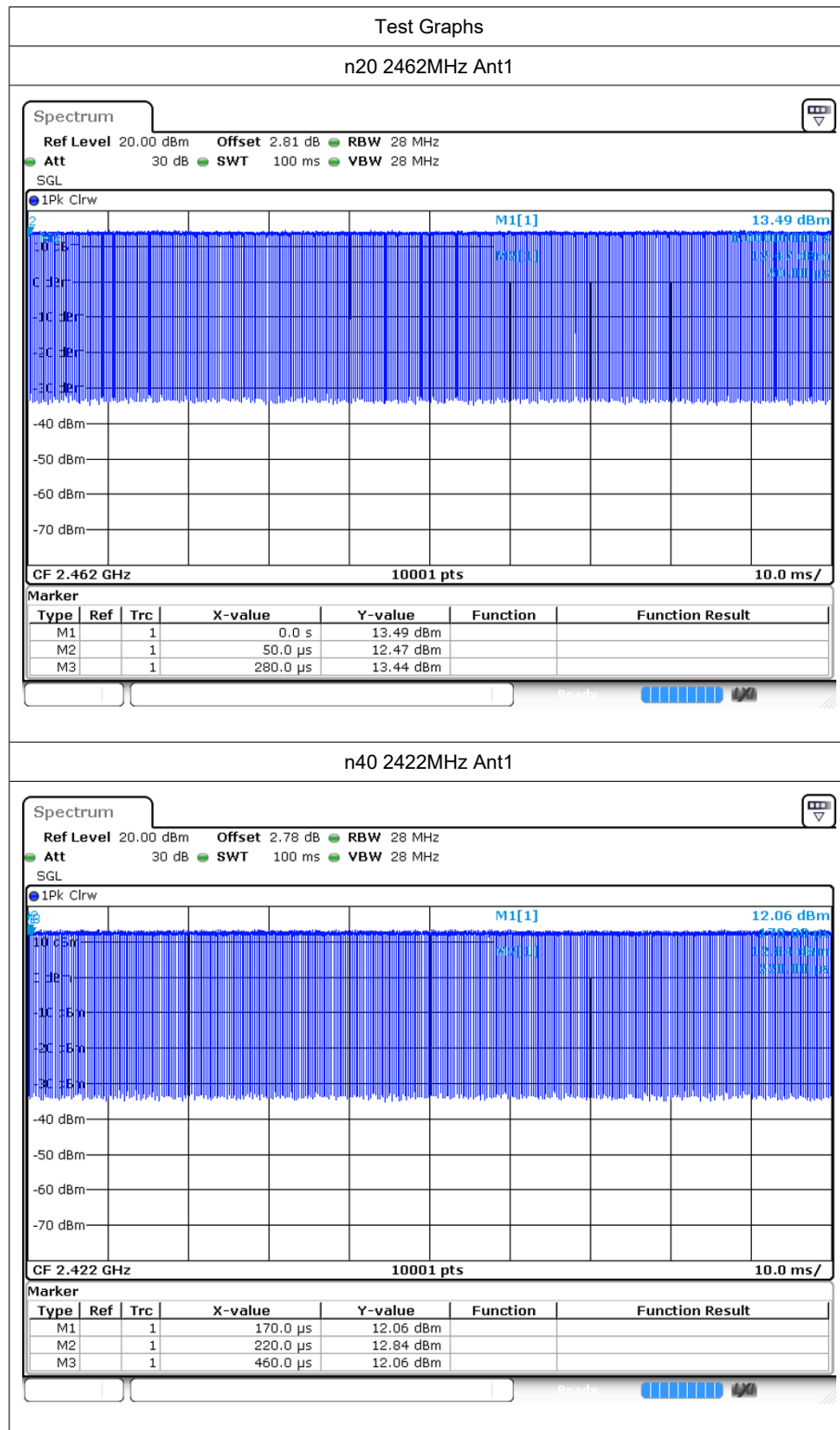
1.2 Test Graphs

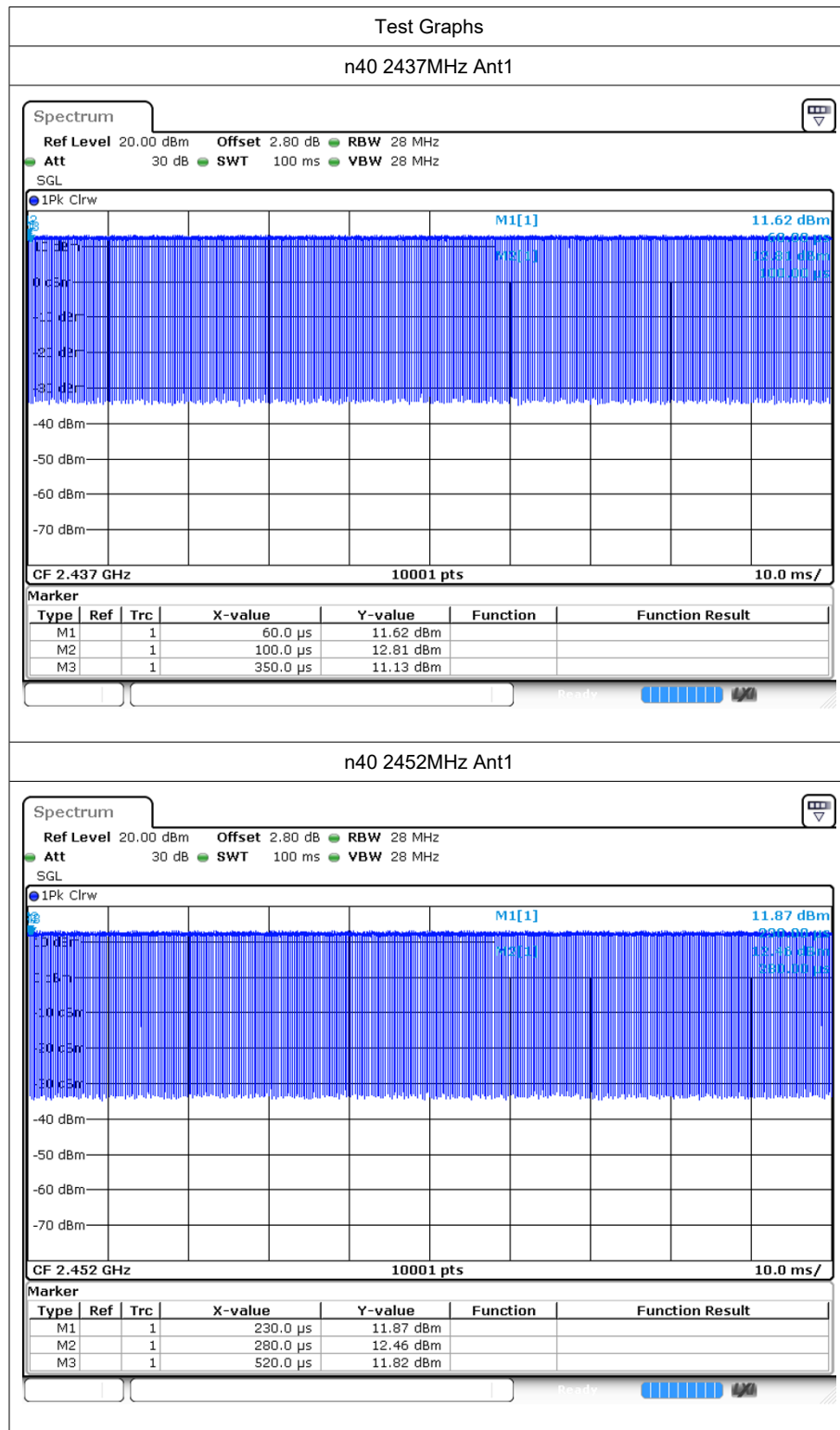














2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	15.28	30	Pass
b	2437	Ant1	15.3	30	Pass
b	2462	Ant1	15	30	Pass
g	2412	Ant1	15.82	30	Pass
g	2437	Ant1	15.8	30	Pass
g	2462	Ant1	15.61	30	Pass
n20	2412	Ant1	15.82	30	Pass
n20	2437	Ant1	15.66	30	Pass
n20	2462	Ant1	15.59	30	Pass
n40	2422	Ant1	15.81	30	Pass
n40	2437	Ant1	15.78	30	Pass
n40	2452	Ant1	15.74	30	Pass



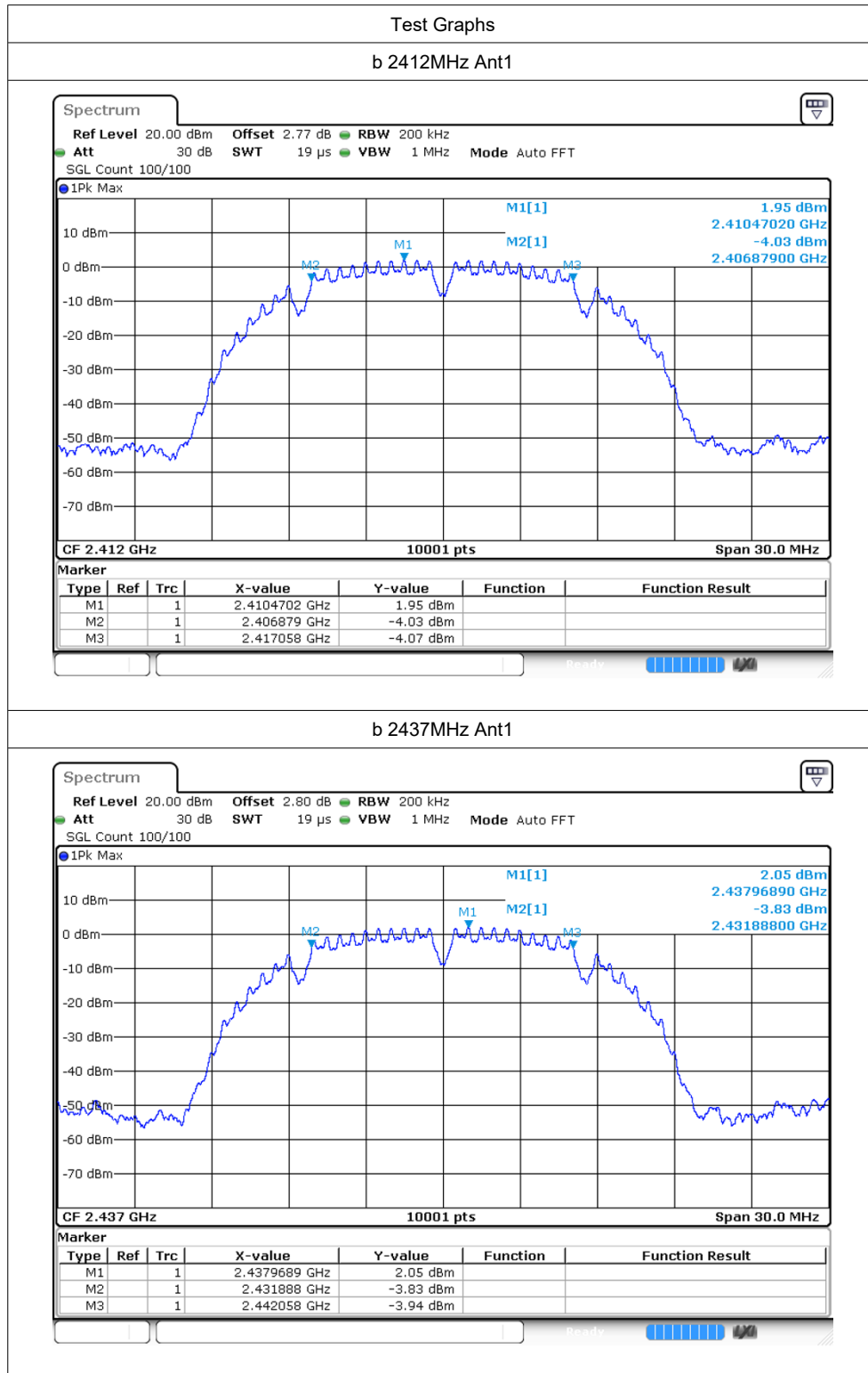
3 -6dB Bandwidth

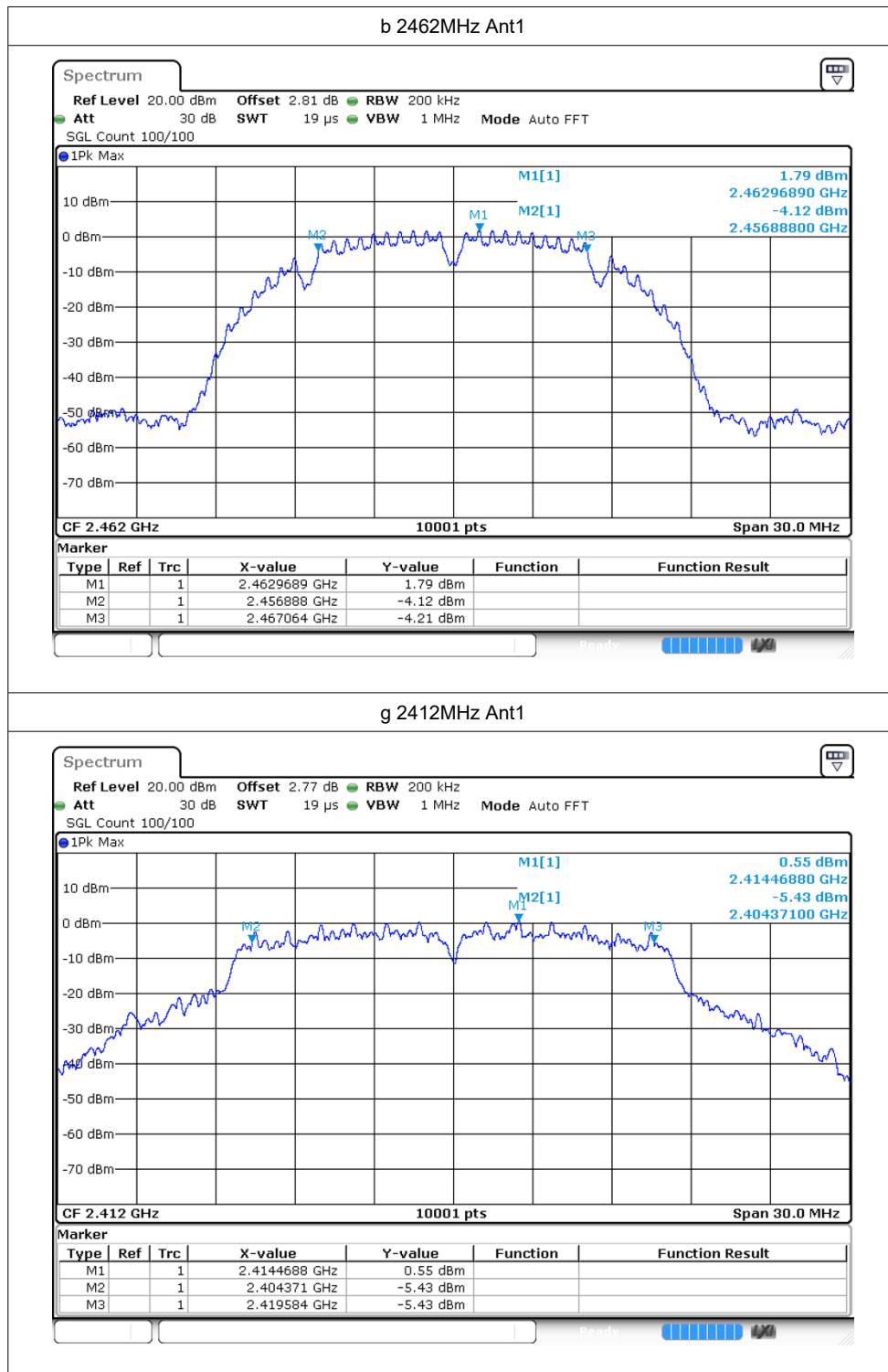
3.1 Test Result

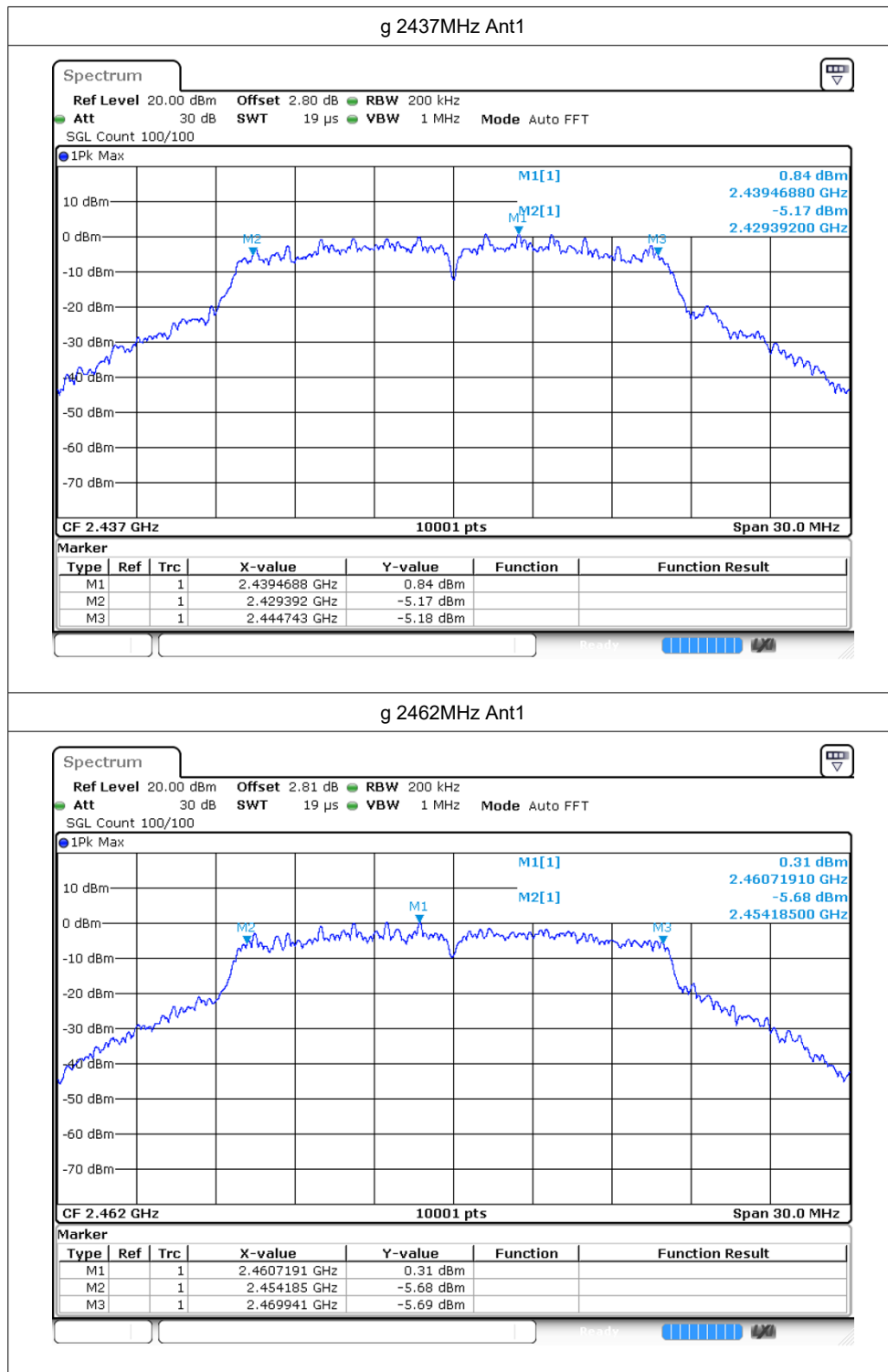
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.179	0.5	Pass
b	2437	Ant1	10.17	0.5	Pass
b	2462	Ant1	10.176	0.5	Pass
g	2412	Ant1	15.213	0.5	Pass
g	2437	Ant1	15.351	0.5	Pass
g	2462	Ant1	15.756	0.5	Pass
n20	2412	Ant1	15.948	0.5	Pass
n20	2437	Ant1	15.585	0.5	Pass
n20	2462	Ant1	15.402	0.5	Pass
n40	2422	Ant1	35.88	0.5	Pass
n40	2437	Ant1	35.856	0.5	Pass
n40	2452	Ant1	35.322	0.5	Pass

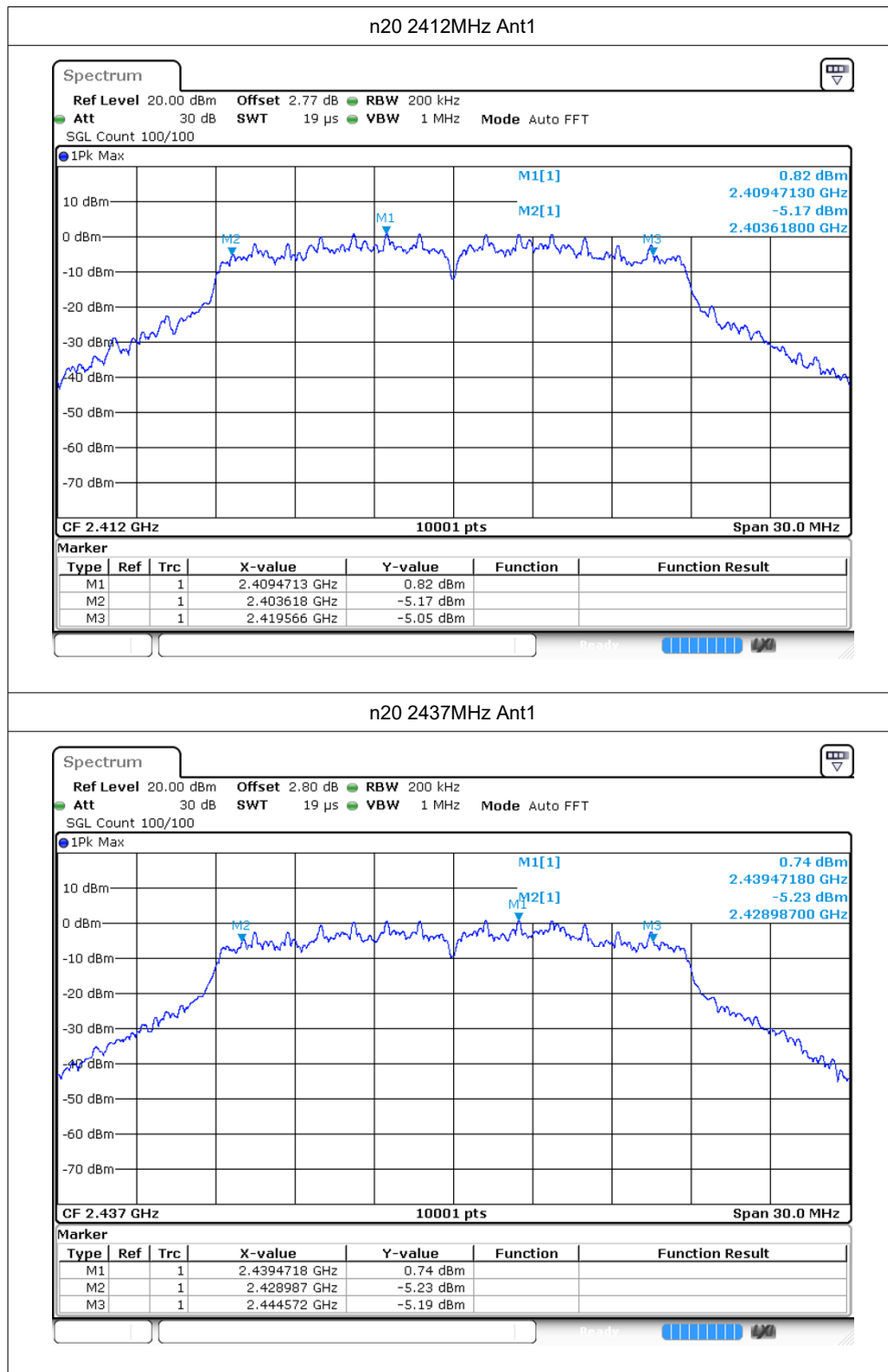


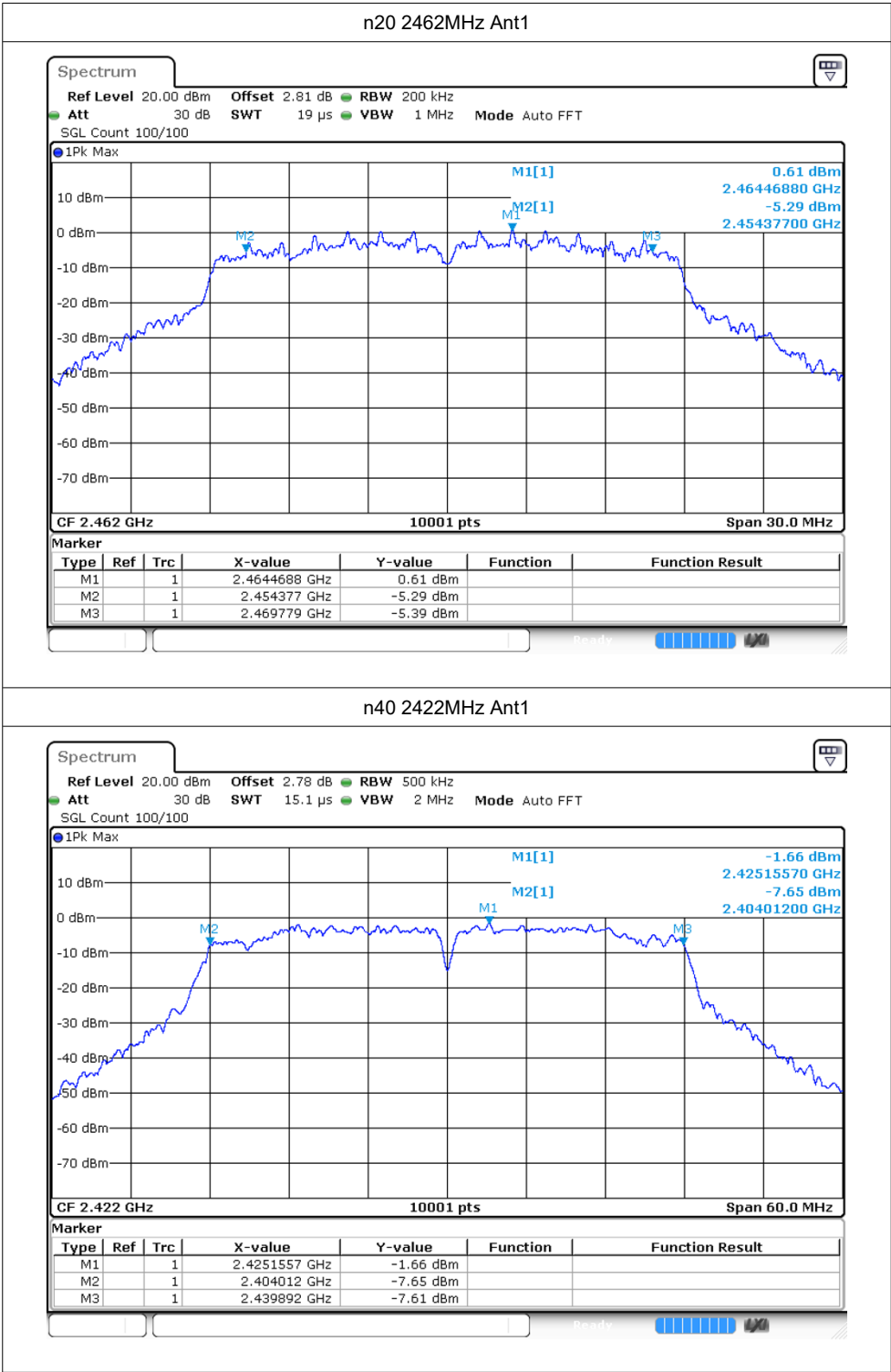
3.2 Test Graphs

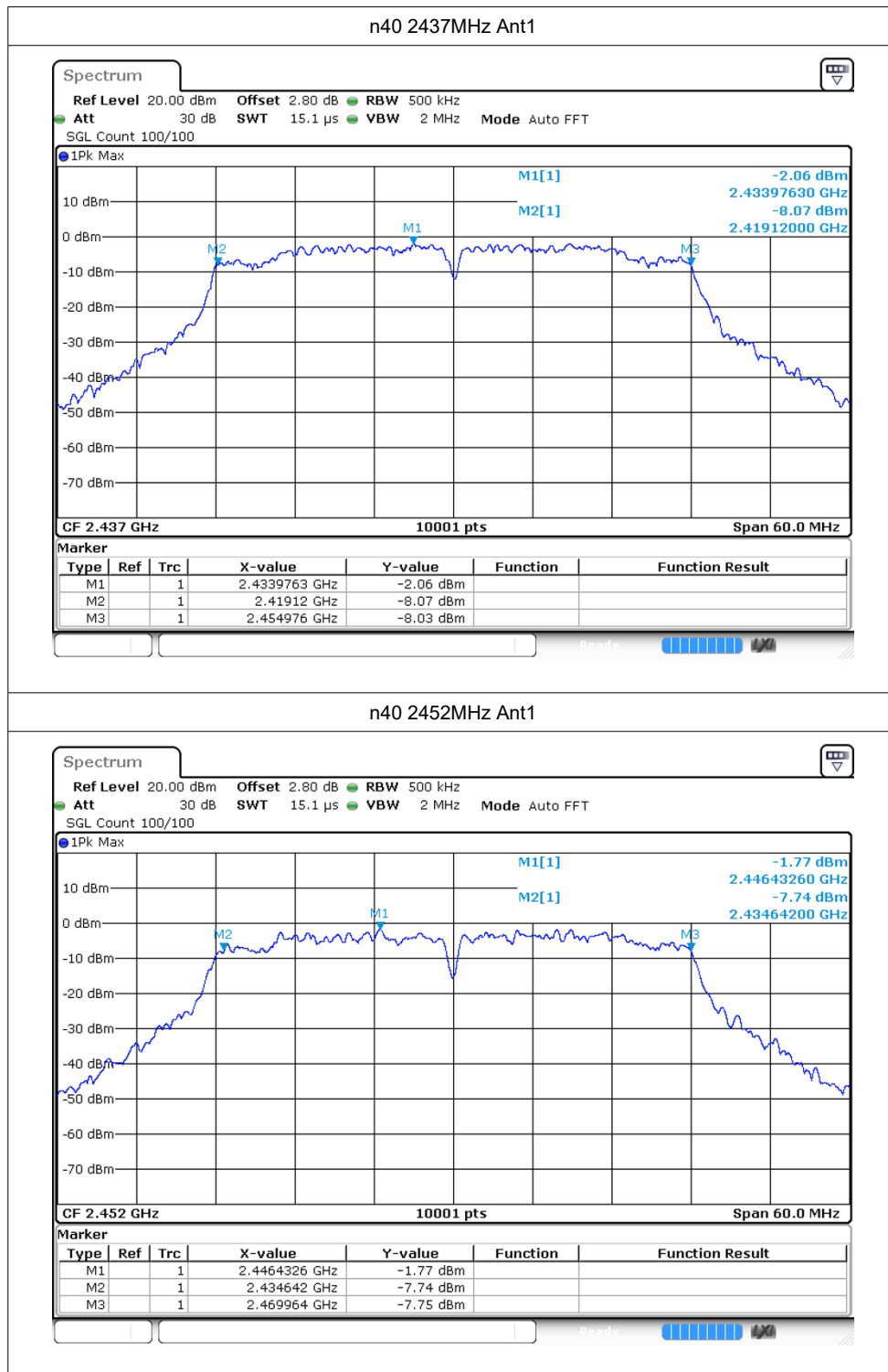














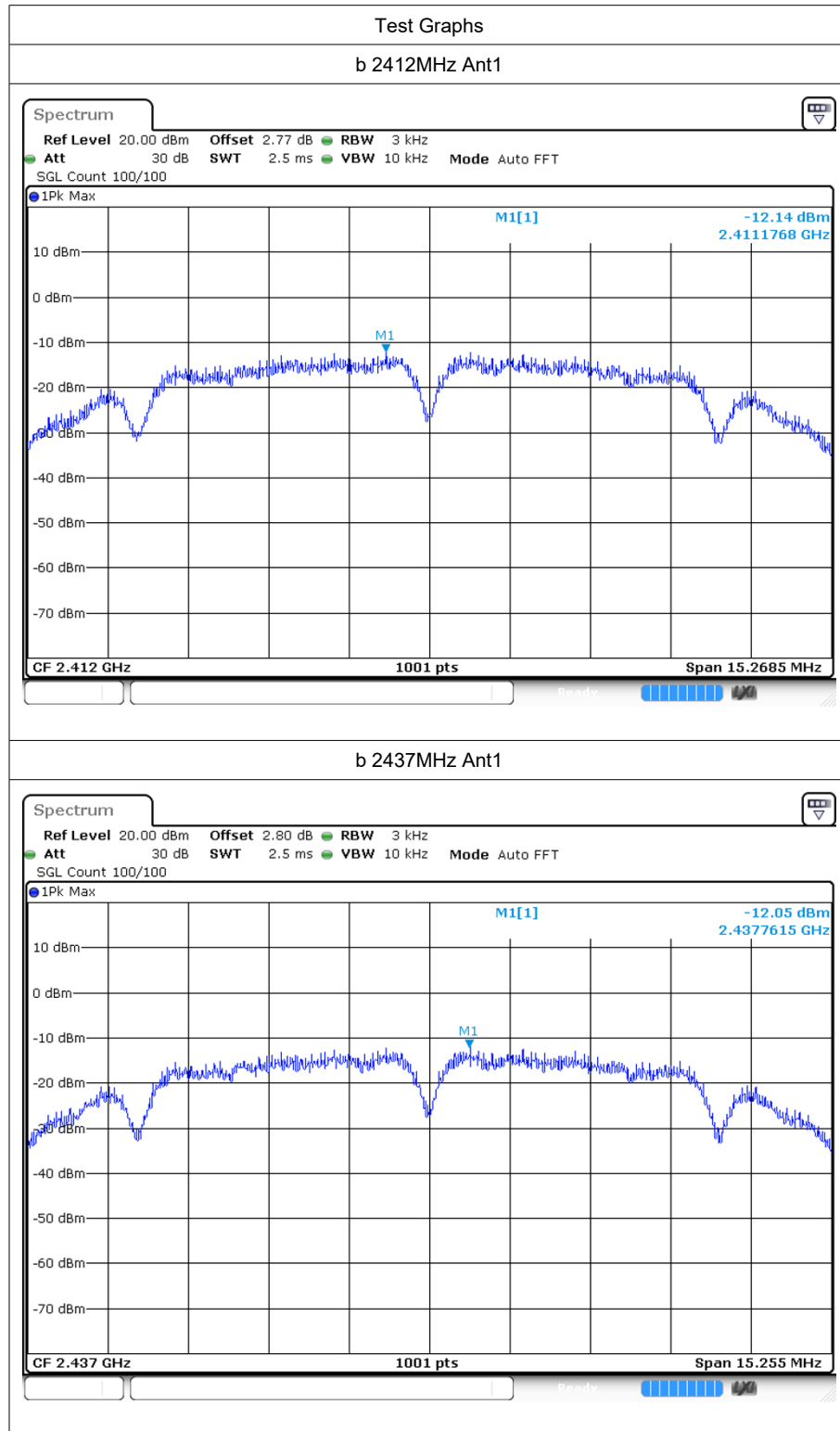
4 Maximum Power Spectral Density Level

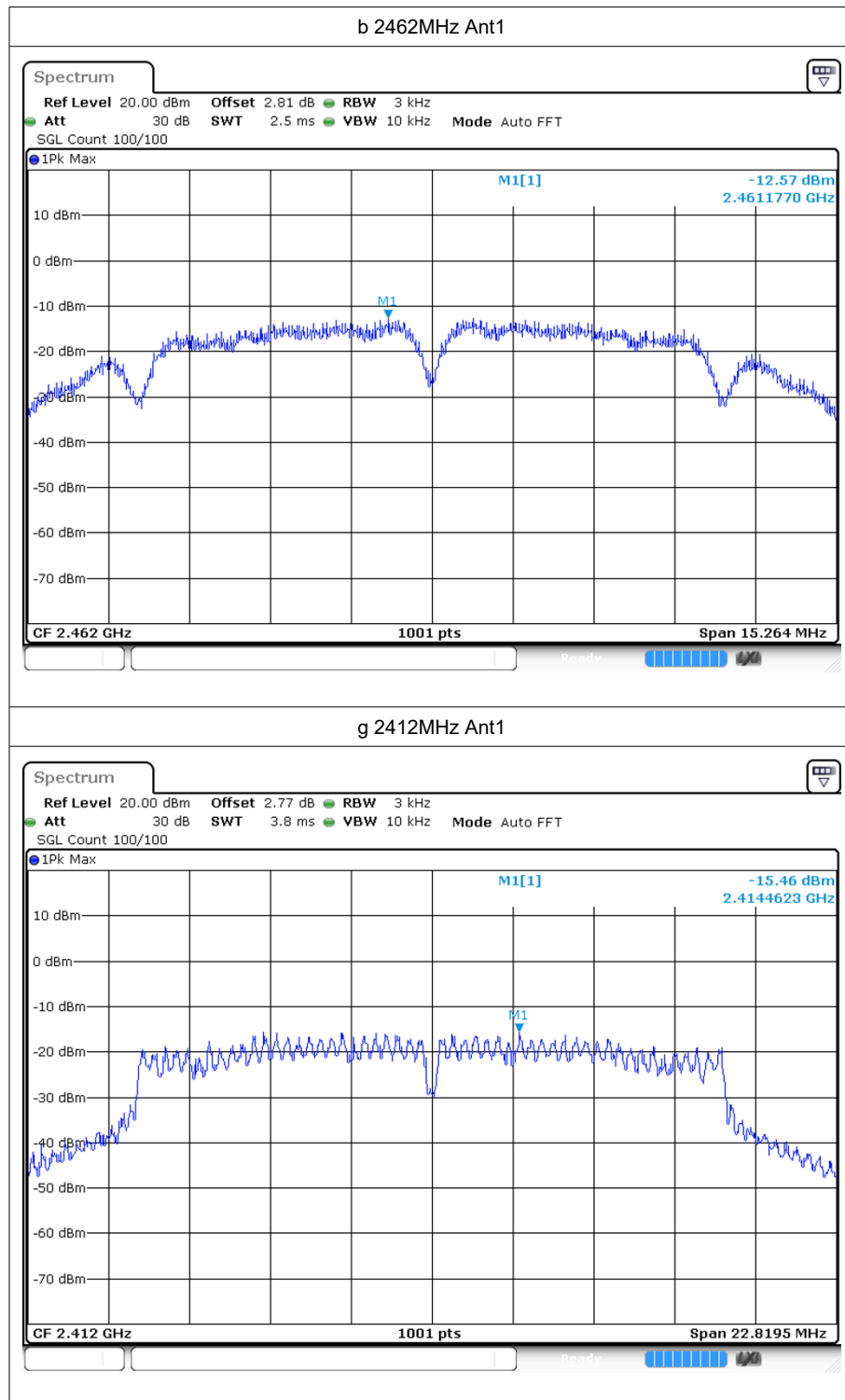
4.1 Test Result

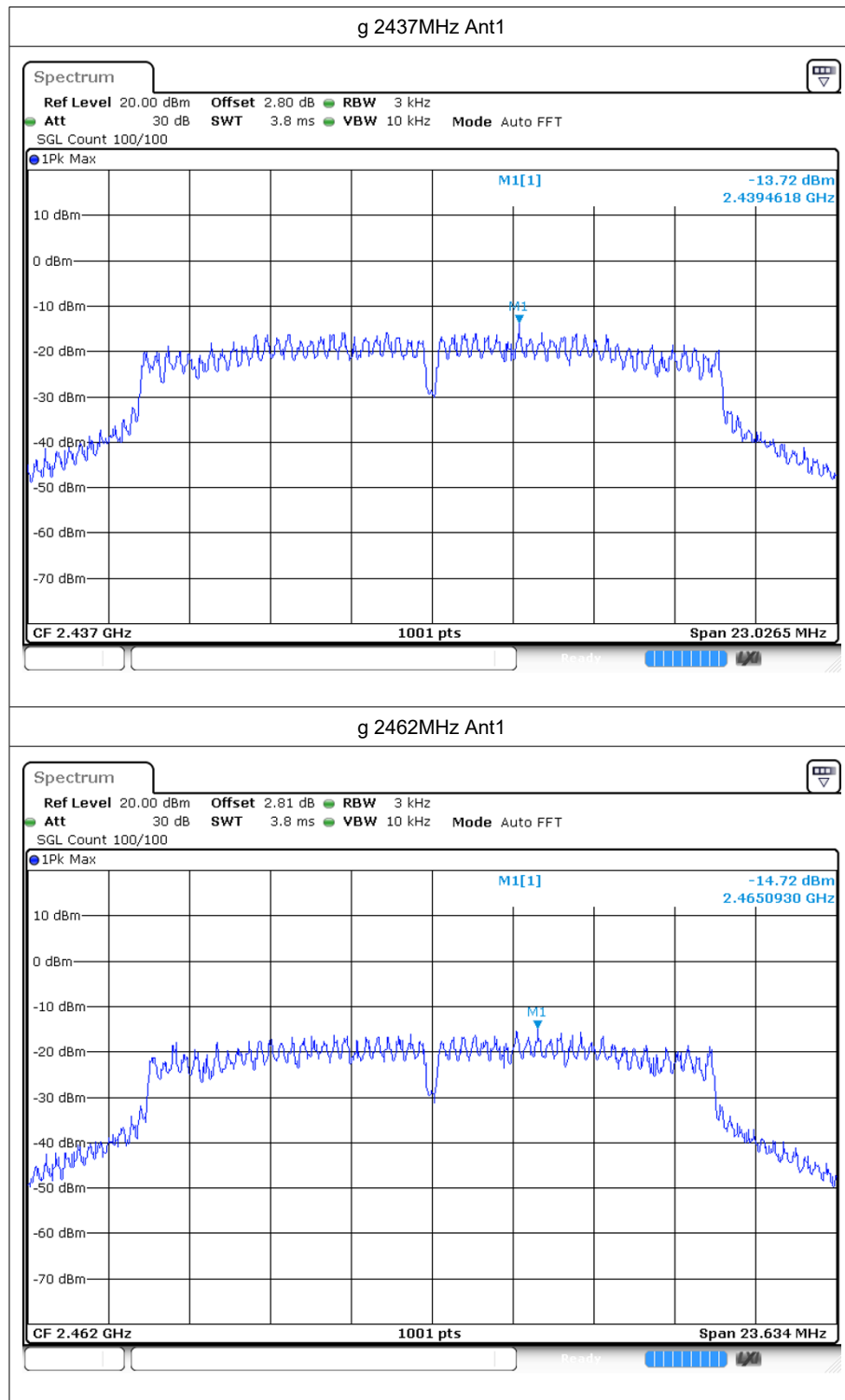
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-12.14	≤8	Pass
b	2437	Ant1	-12.05	≤8	Pass
b	2462	Ant1	-12.57	≤8	Pass
g	2412	Ant1	-15.46	≤8	Pass
g	2437	Ant1	-13.72	≤8	Pass
g	2462	Ant1	-14.72	≤8	Pass
n20	2412	Ant1	-14.35	≤8	Pass
n20	2437	Ant1	-14.85	≤8	Pass
n20	2462	Ant1	-14.94	≤8	Pass
n40	2422	Ant1	-19.26	≤8	Pass
n40	2437	Ant1	-19.22	≤8	Pass
n40	2452	Ant1	-19.42	≤8	Pass

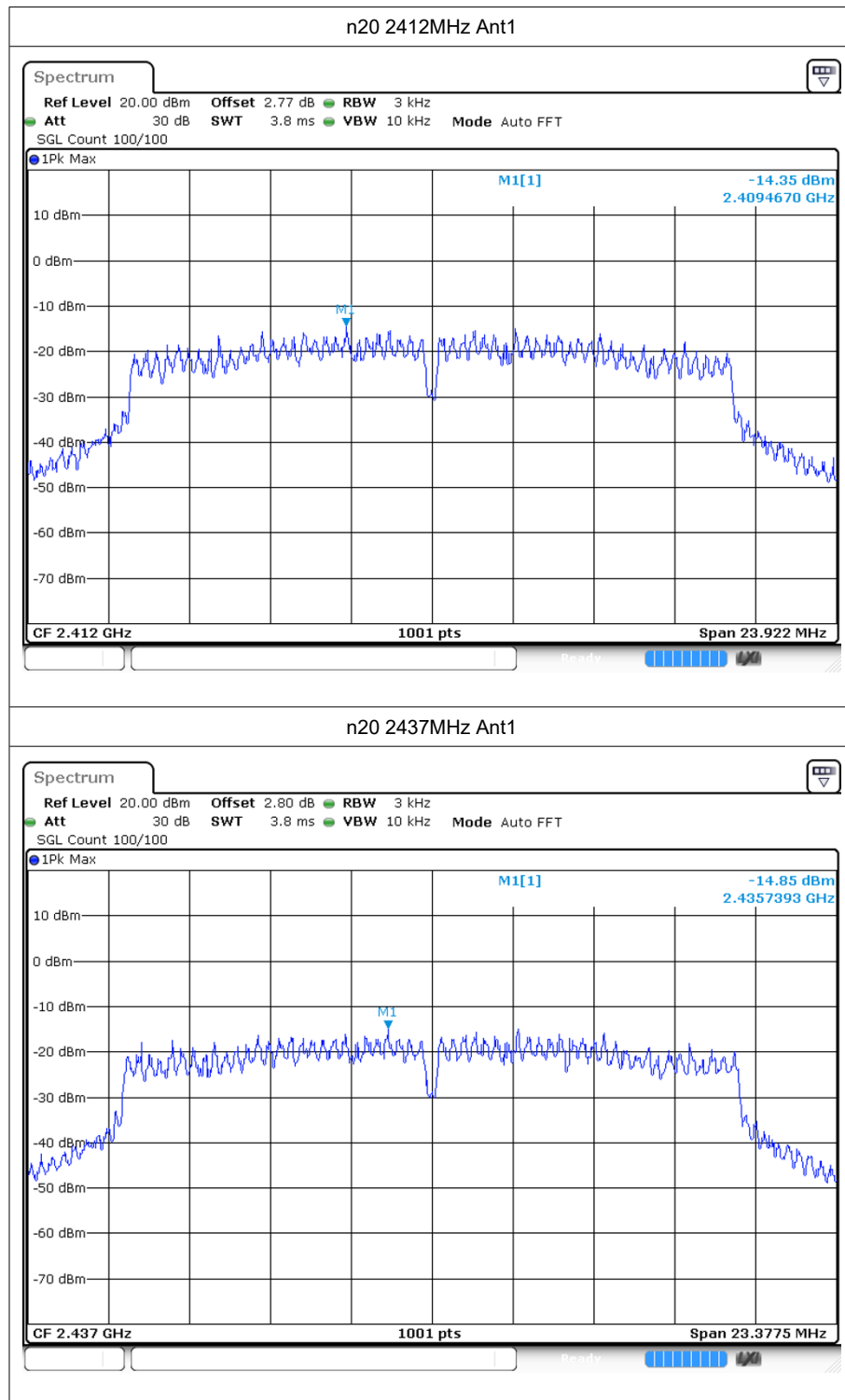


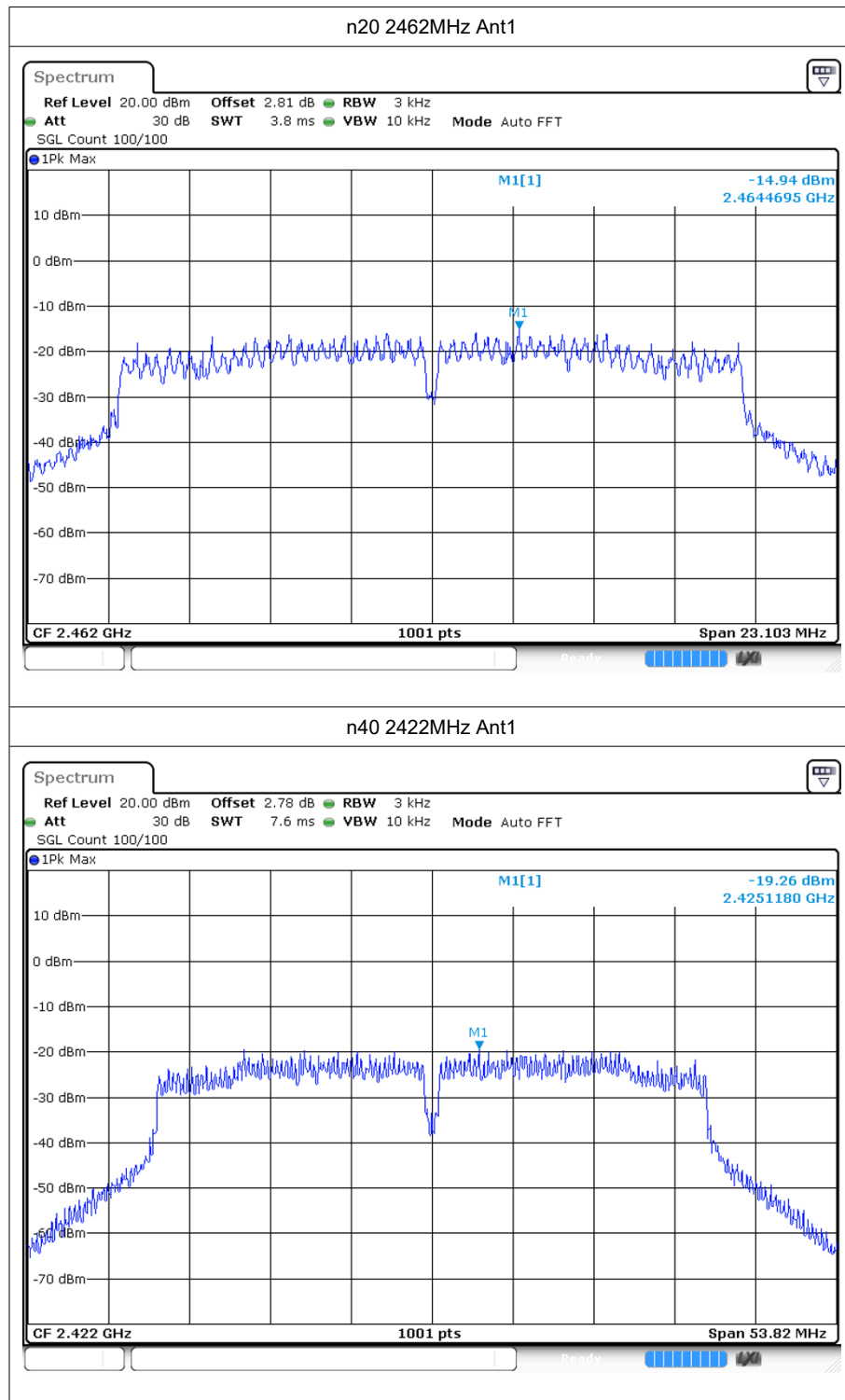
4.2 Test Graphs

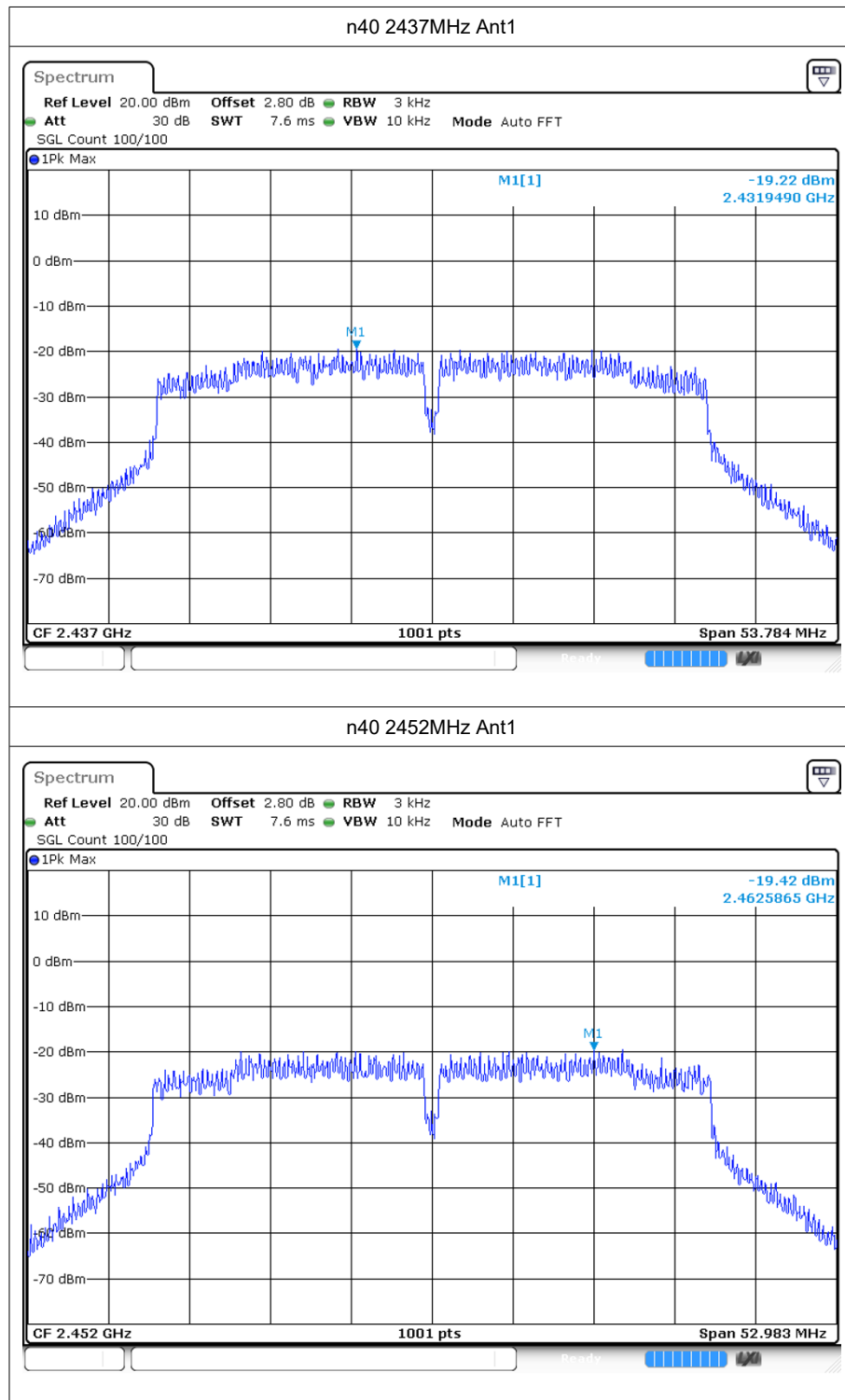














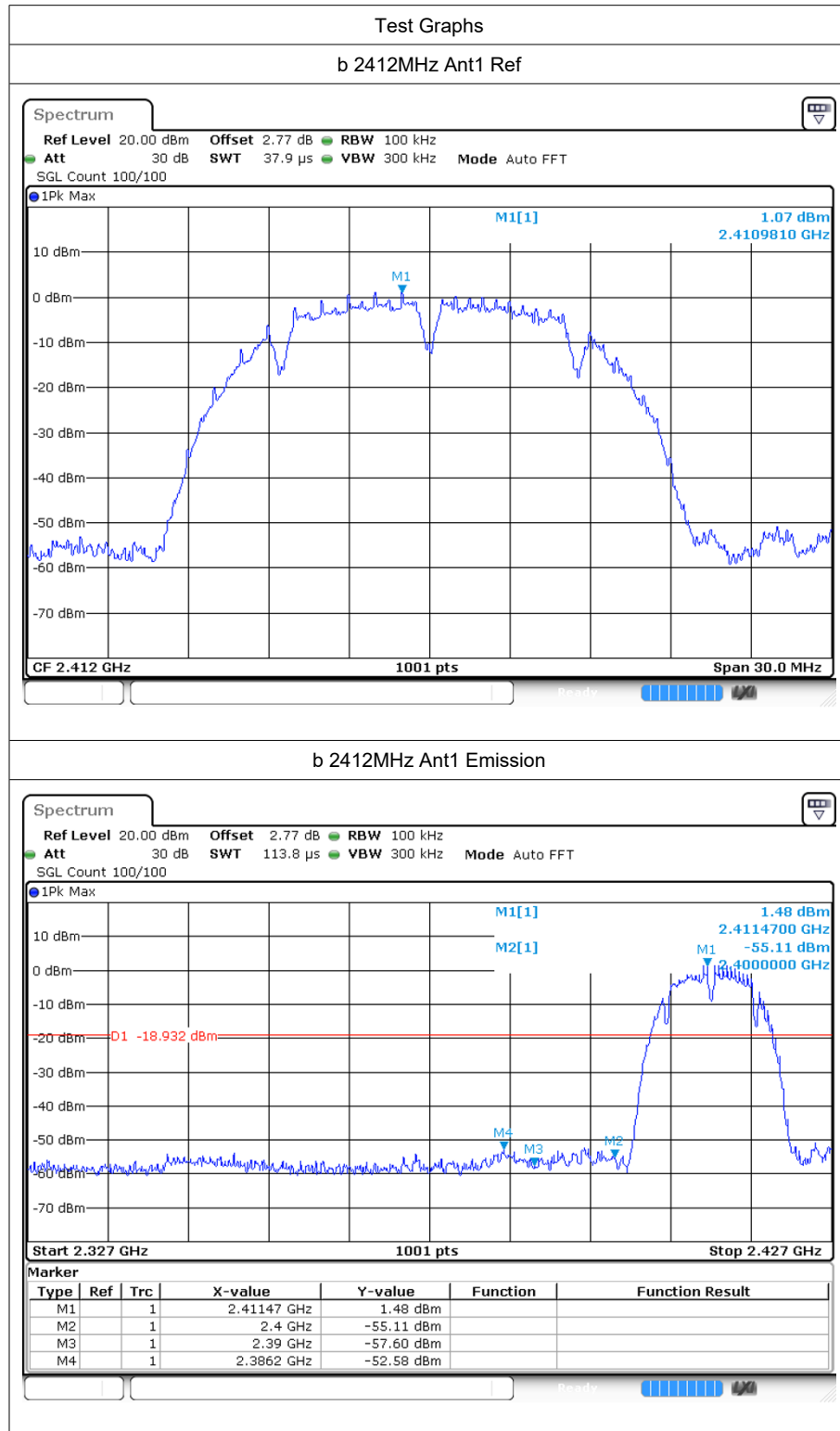
5 Band Edge

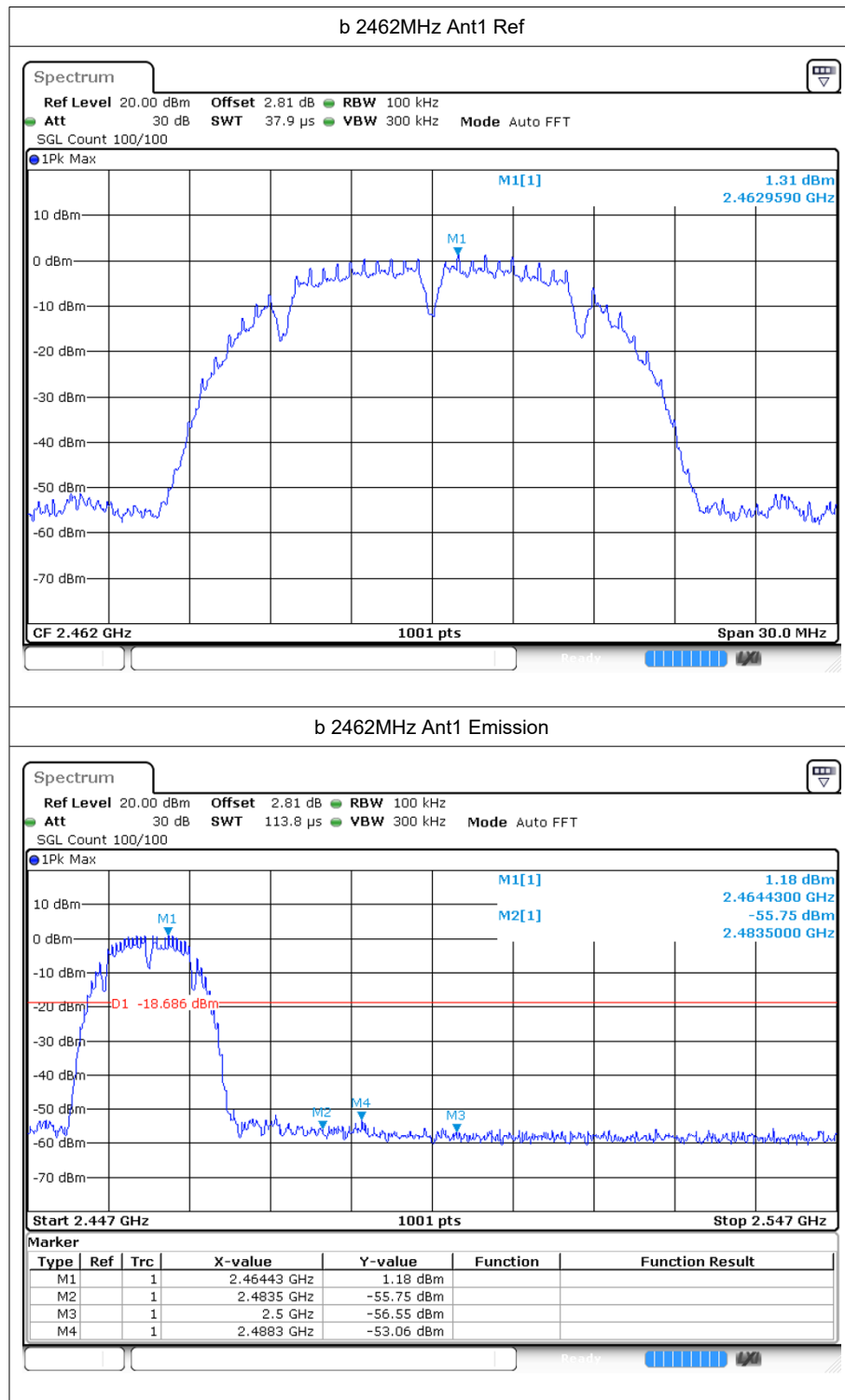
5.1 Test Result

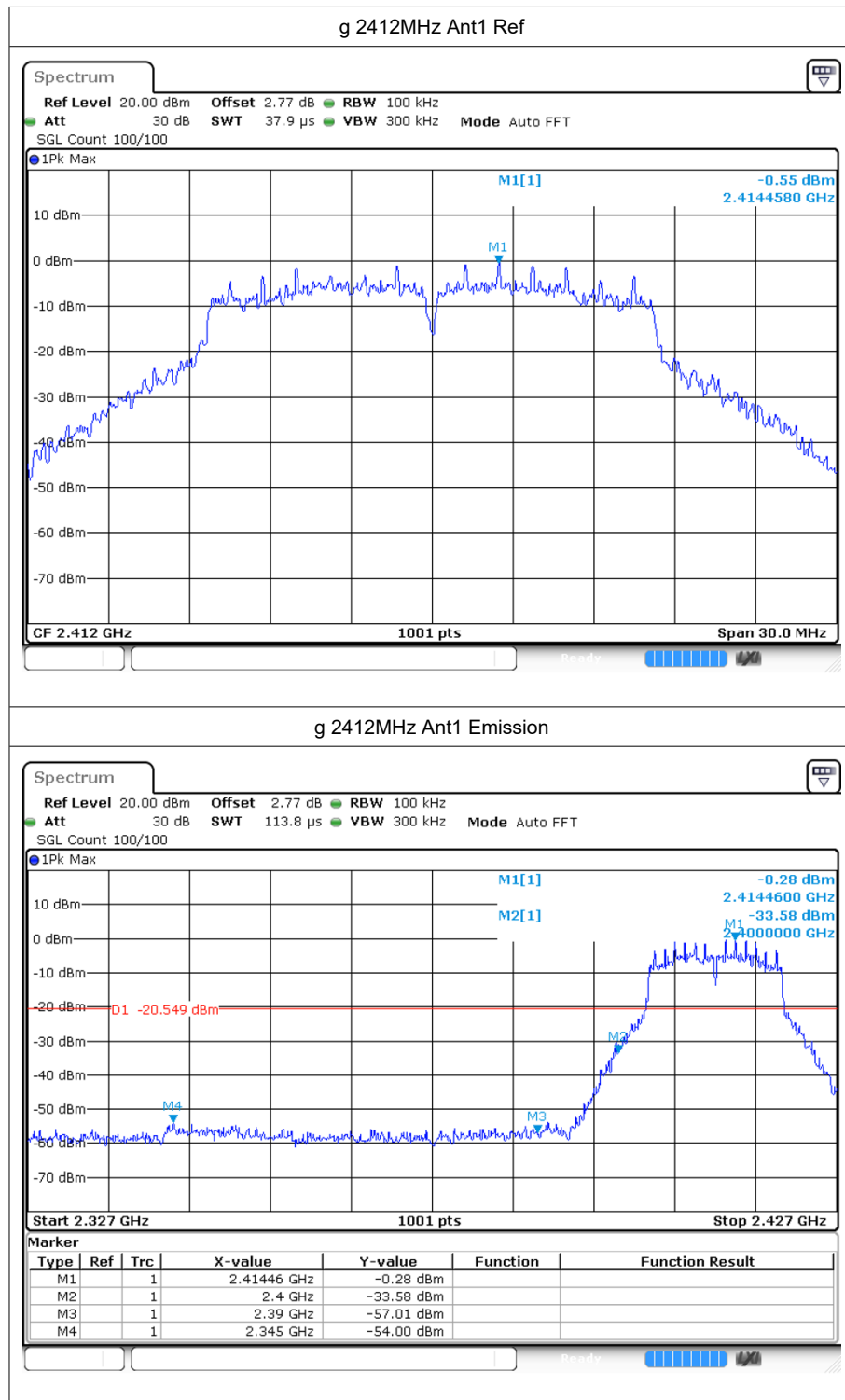
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-53.65	-20	Pass
b	2462	Ant1	-54.37	-20	Pass
g	2412	Ant1	-53.45	-20	Pass
g	2462	Ant1	-54.6	-20	Pass
n20	2412	Ant1	-53.77	-20	Pass
n20	2462	Ant1	-54.05	-20	Pass
n40	2422	Ant1	-48.4	-20	Pass
n40	2452	Ant1	-46.15	-20	Pass

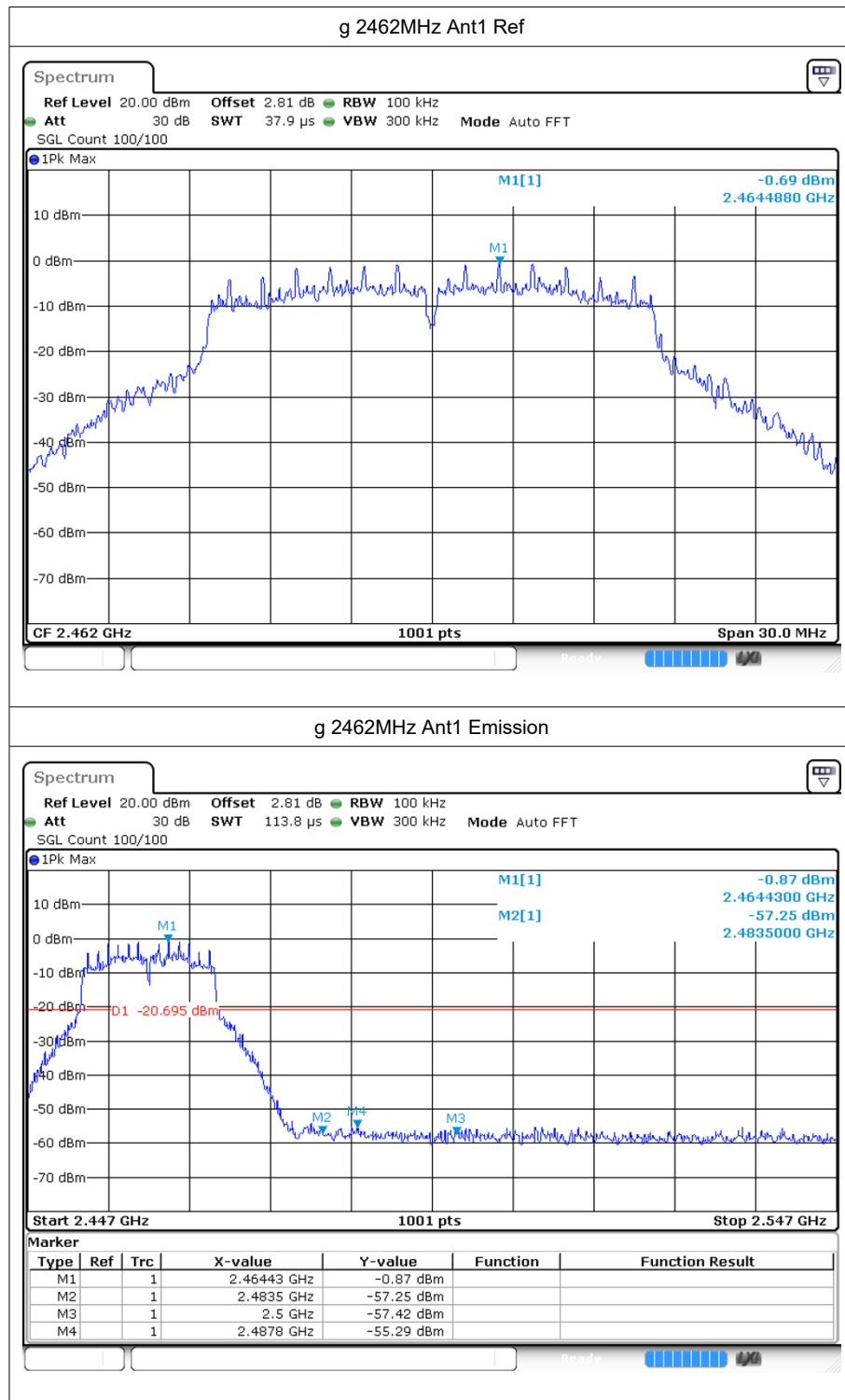


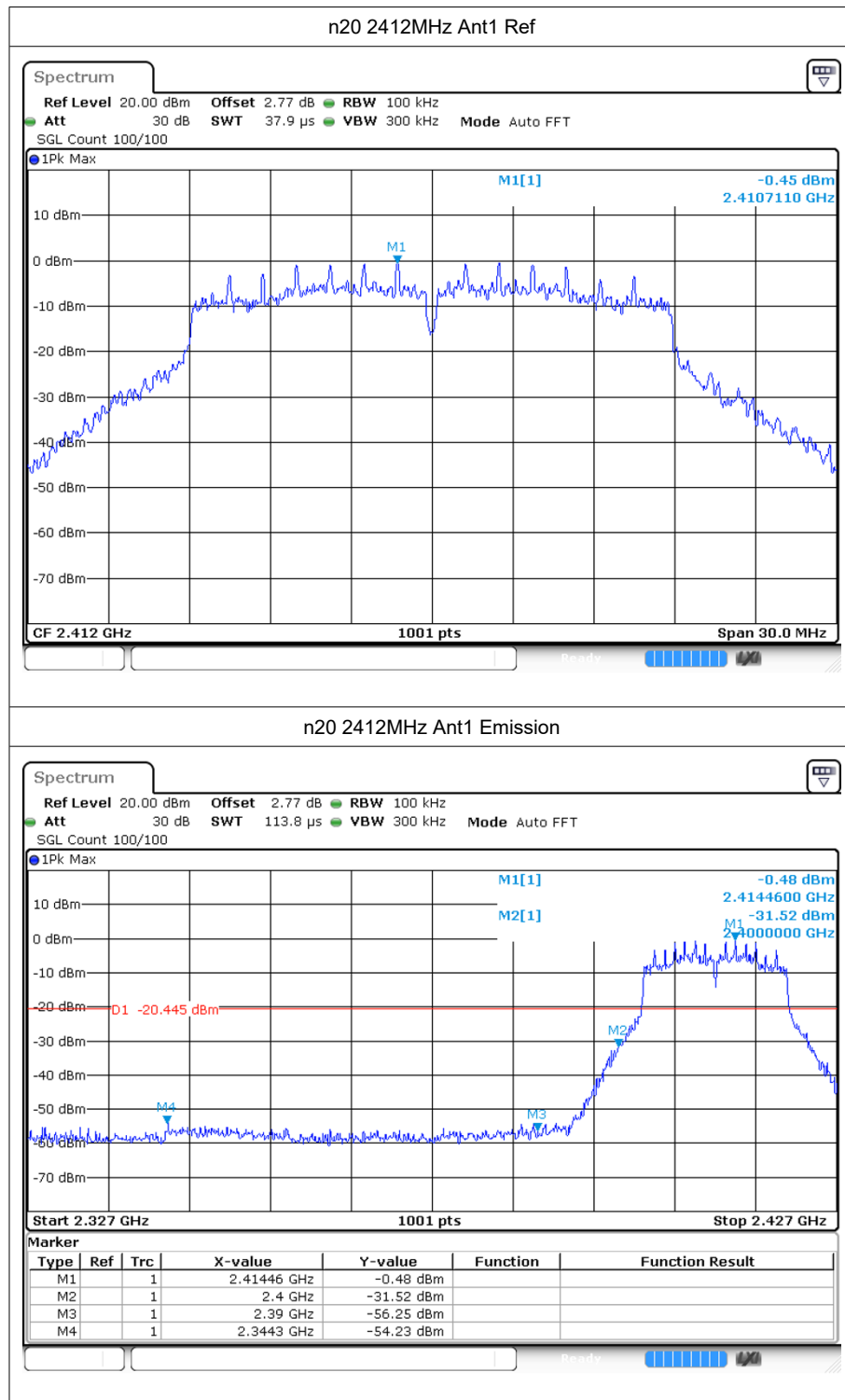
5.2 Test Graphs

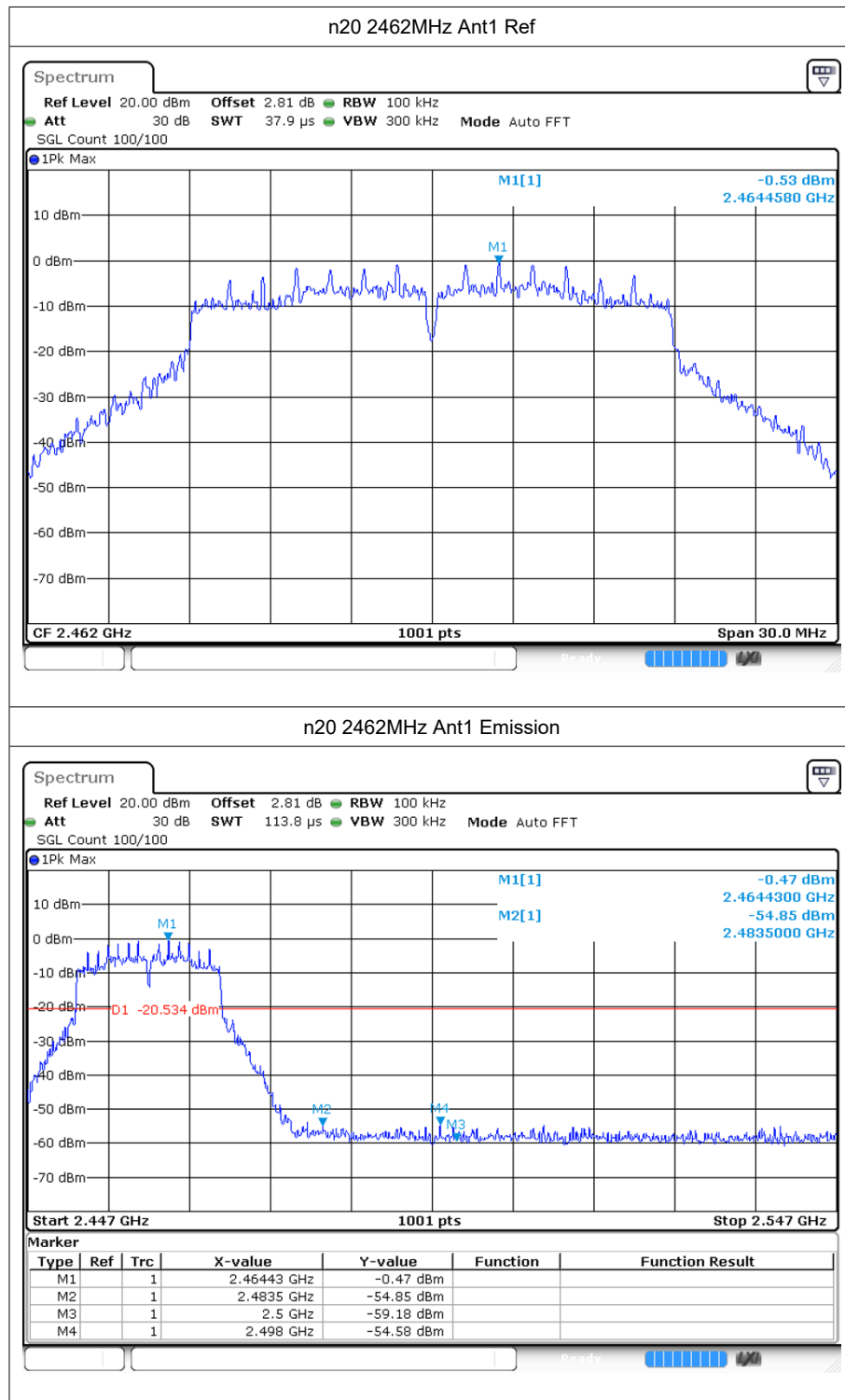


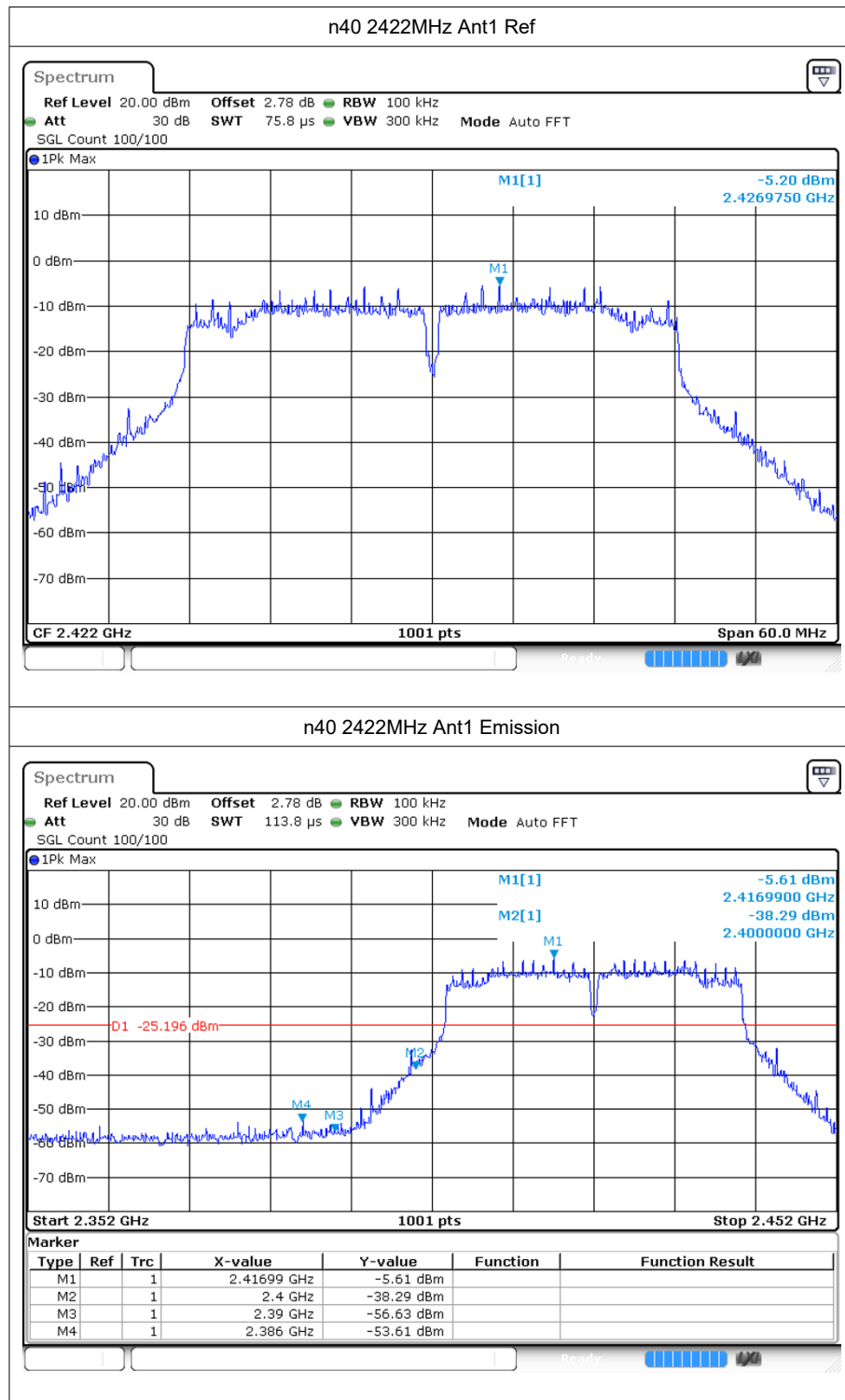


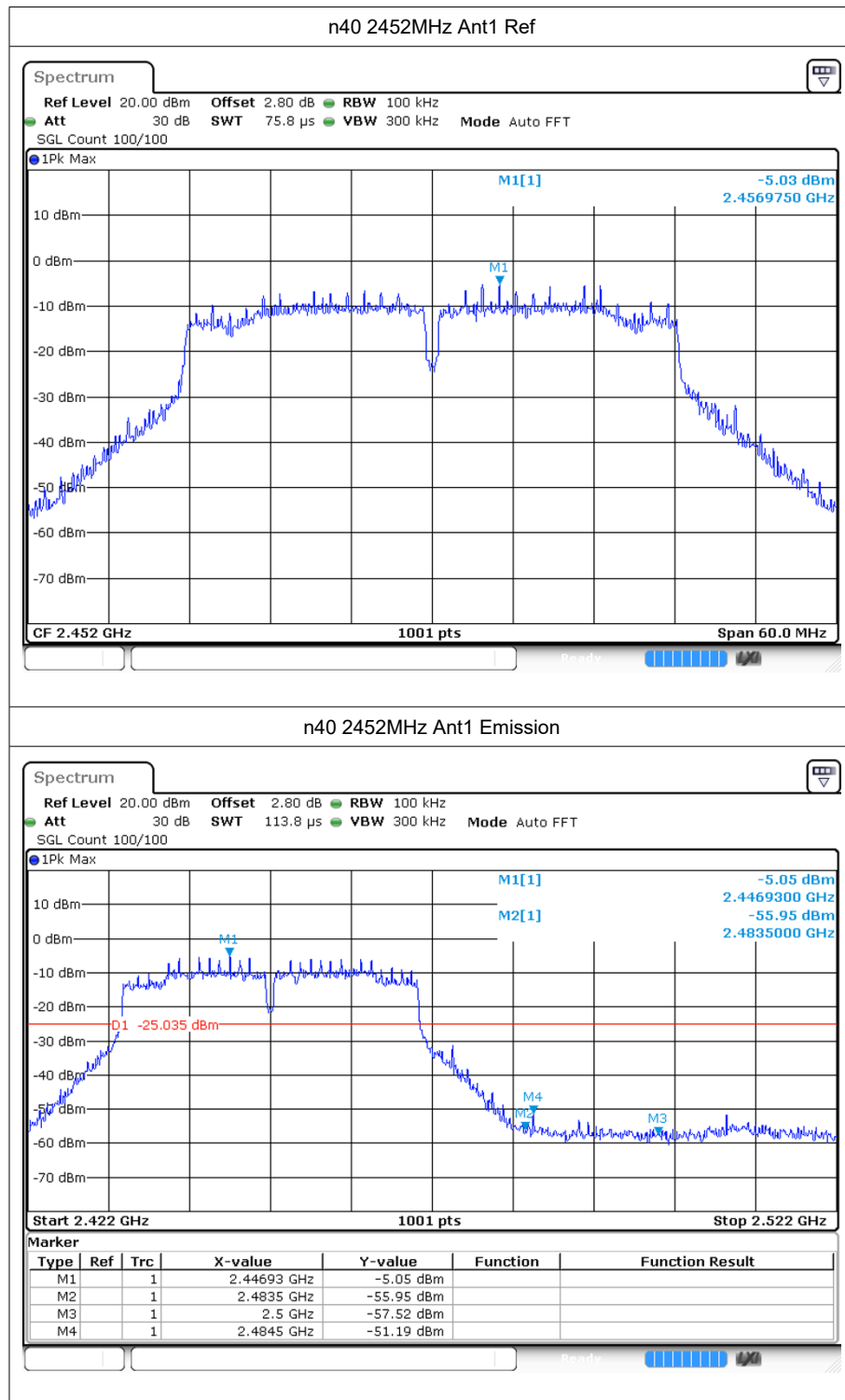














6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-42.23	-20	Pass
b	2437	Ant1	-43.65	-20	Pass
b	2462	Ant1	-42.11	-20	Pass
g	2412	Ant1	-41.84	-20	Pass
g	2437	Ant1	-40.83	-20	Pass
g	2462	Ant1	-41.48	-20	Pass
n20	2412	Ant1	-41.34	-20	Pass
n20	2437	Ant1	-41.76	-20	Pass
n20	2462	Ant1	-41.7	-20	Pass
n40	2422	Ant1	-37.6	-20	Pass
n40	2437	Ant1	-36.13	-20	Pass
n40	2452	Ant1	-37.56	-20	Pass



6.2 Test Graphs

