



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Temperature Control Kettle

Trade Mark: N/A

Test Model: KCK01A

Environmental Conditions

Temperature:	25.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
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	9
2.1 Test Result	9
3 -6dB Bandwidth	10
3.1 Test Result	10
3.2 Test Graphs	11
4 Maximum Power Spectral Density Level	16
4.1 Test Result	16
4.2 Test Graphs	17
5 Band Edge	22
5.1 Test Result	22
5.2 Test Graphs	23
6 Conducted RF Spurious Emission	29
6.1 Test Result	29
6.2 Test Graphs	30
7 Restrict Band	39
7.1 Test Result	39
7.2 Test Graphs	41

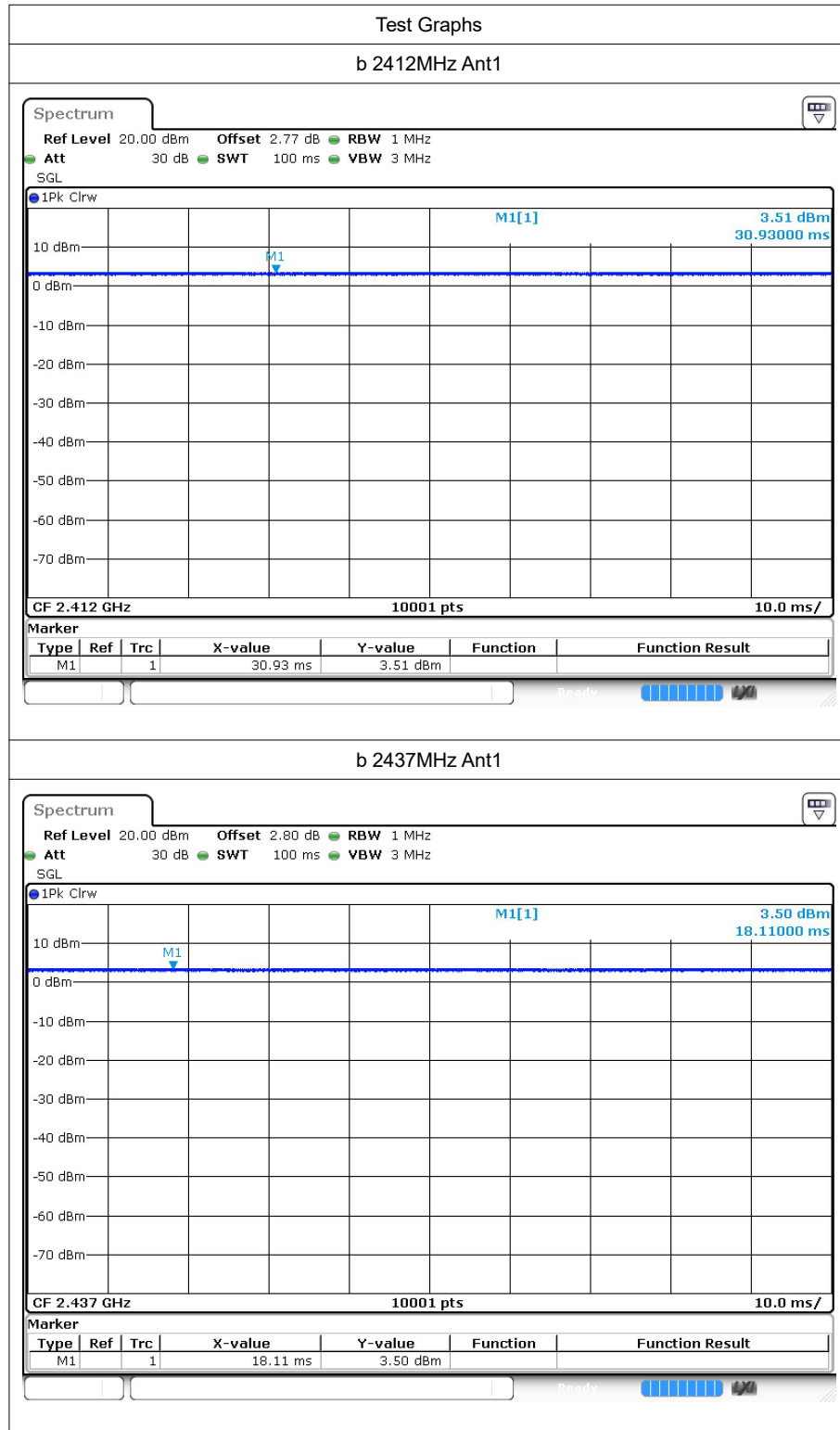


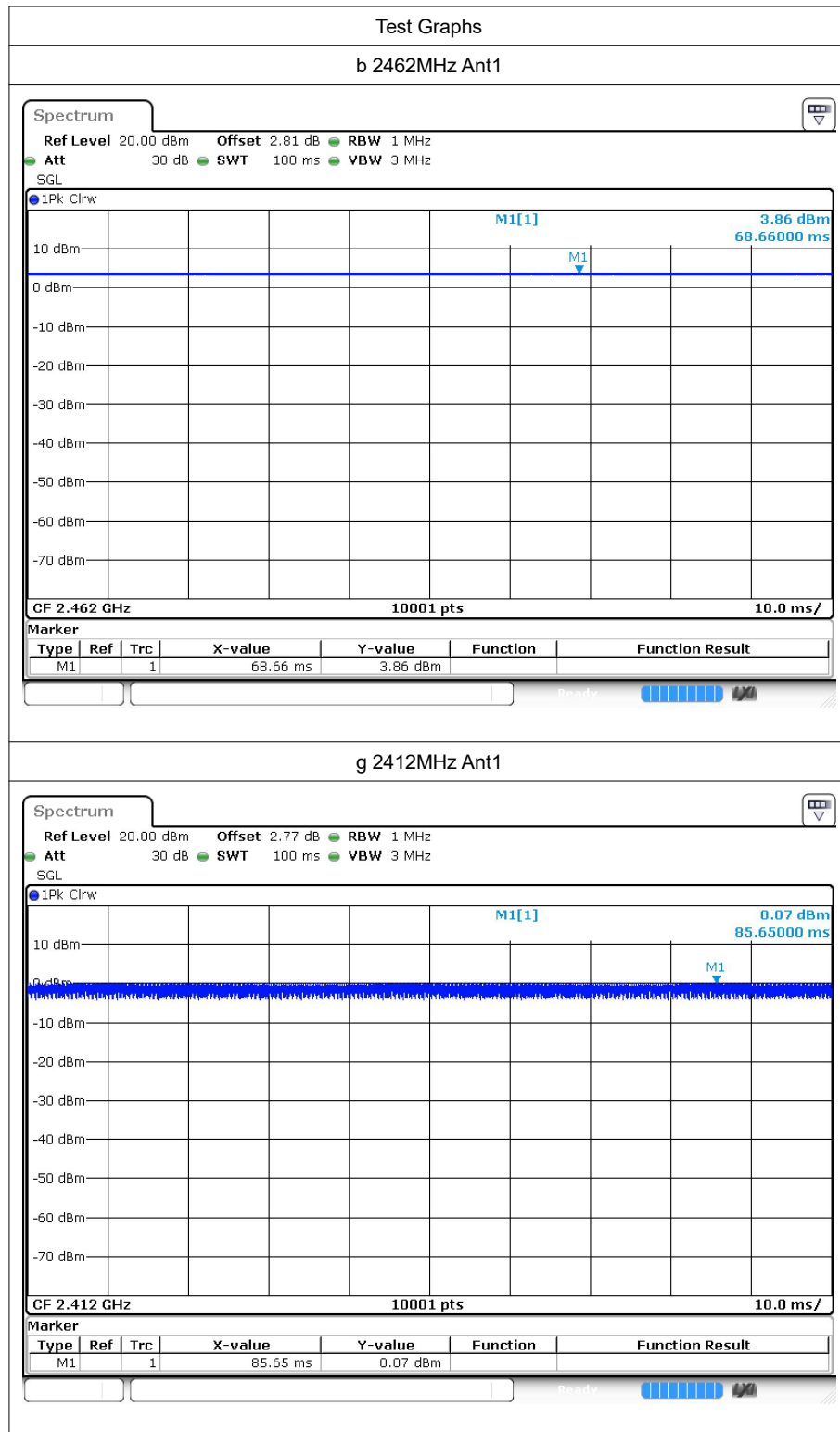
1 Duty Cycle

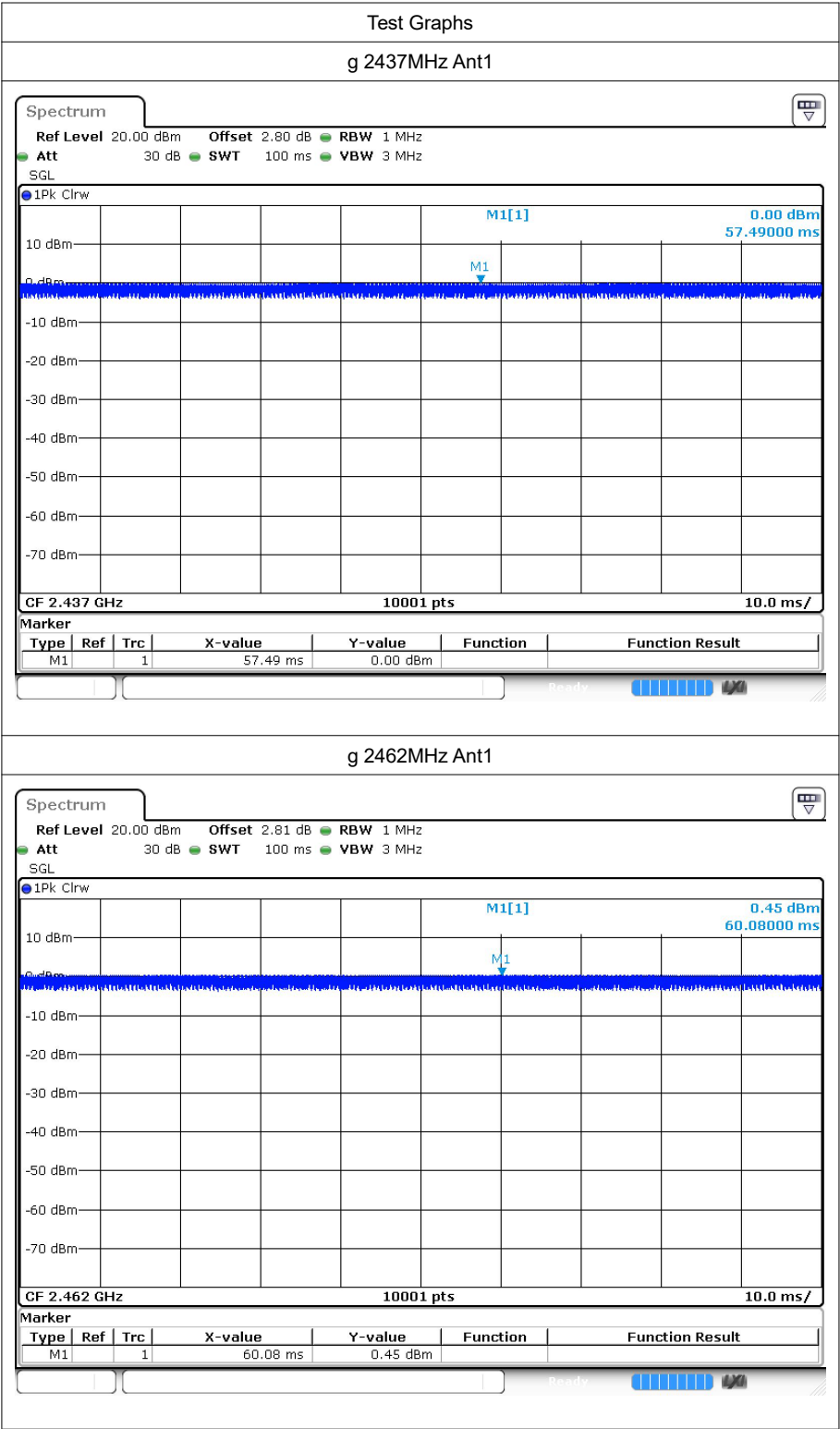
1.1 Test Result

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

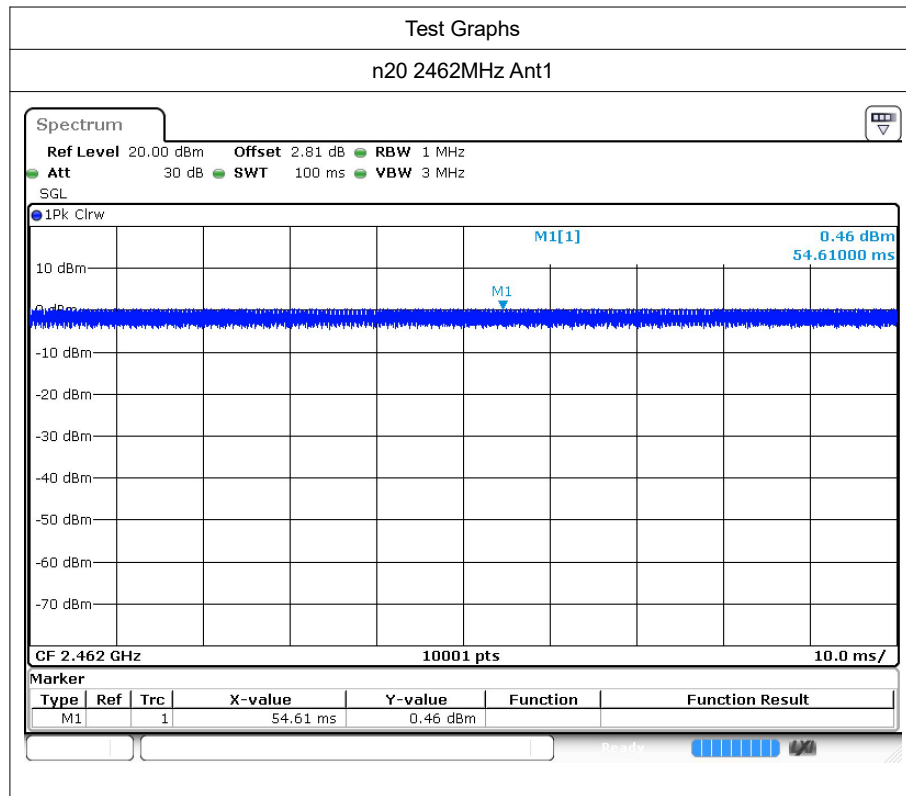
1.2 Test Graphs











2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	12.39	30	Pass
b	2437	Ant1	12.3	30	Pass
b	2462	Ant1	12.58	30	Pass
g	2412	Ant1	11.76	30	Pass
g	2437	Ant1	11.72	30	Pass
g	2462	Ant1	12.12	30	Pass
n20	2412	Ant1	11.28	30	Pass
n20	2437	Ant1	11.24	30	Pass
n20	2462	Ant1	11.59	30	Pass

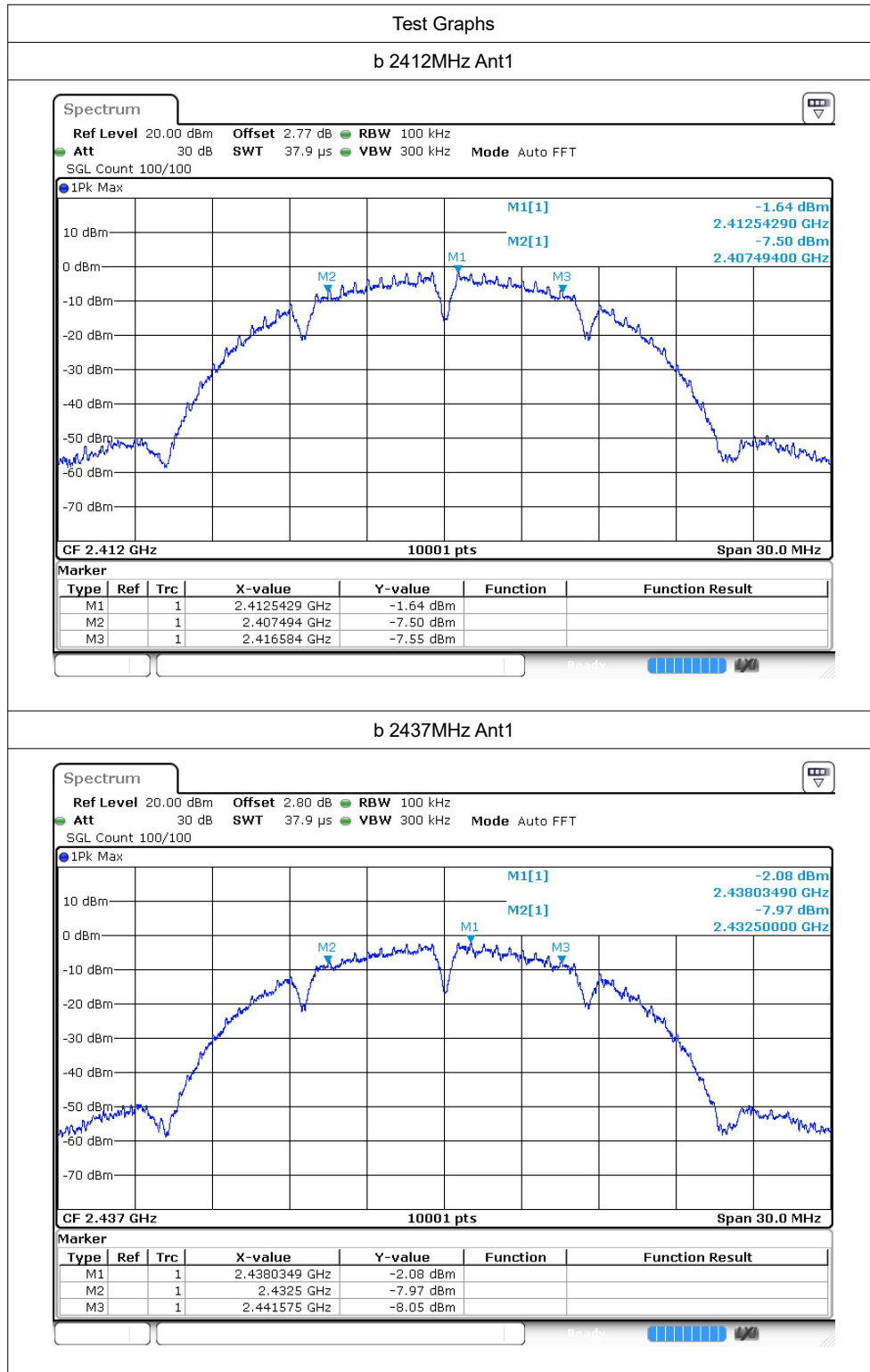


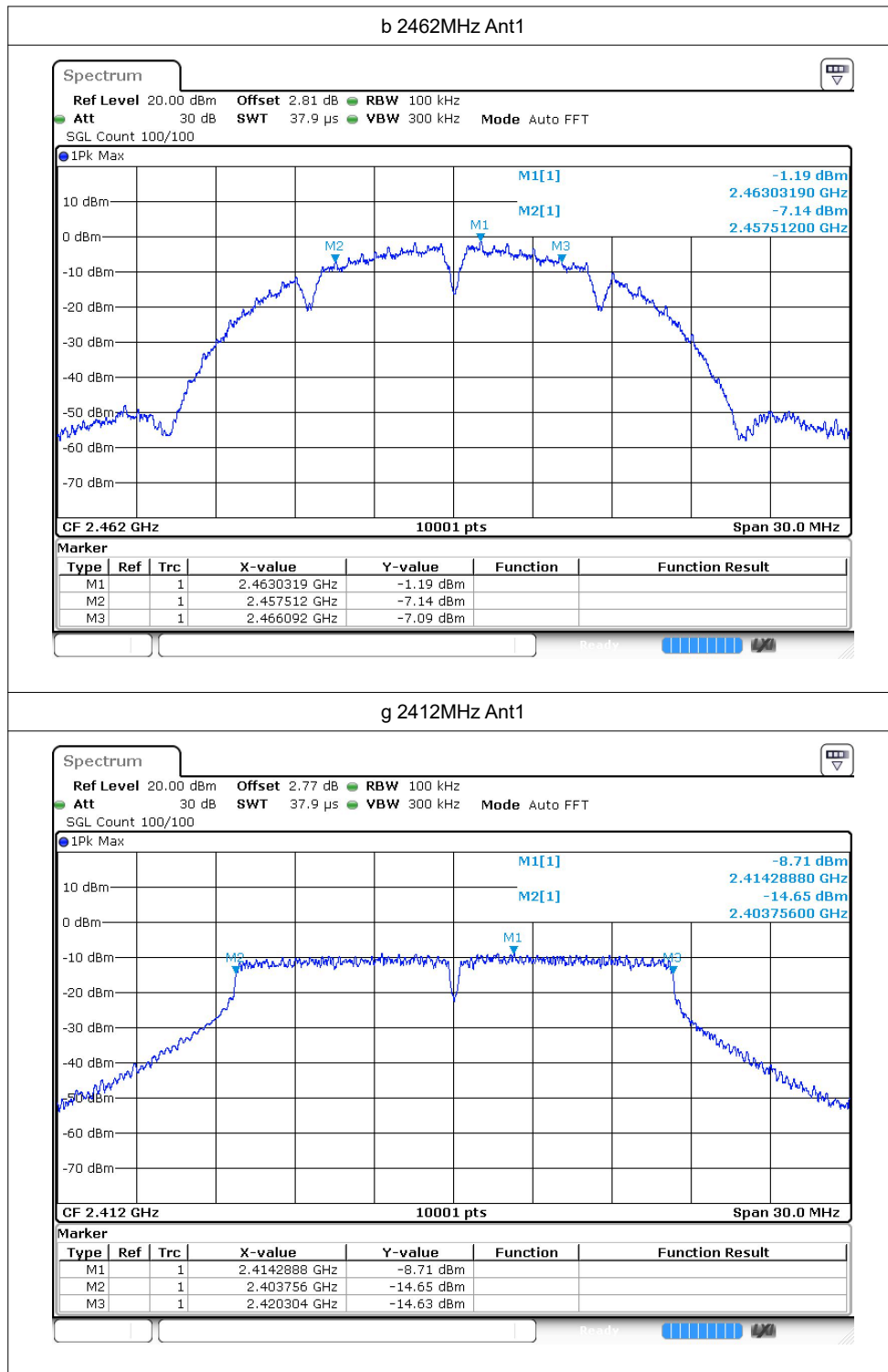
3 -6dB Bandwidth

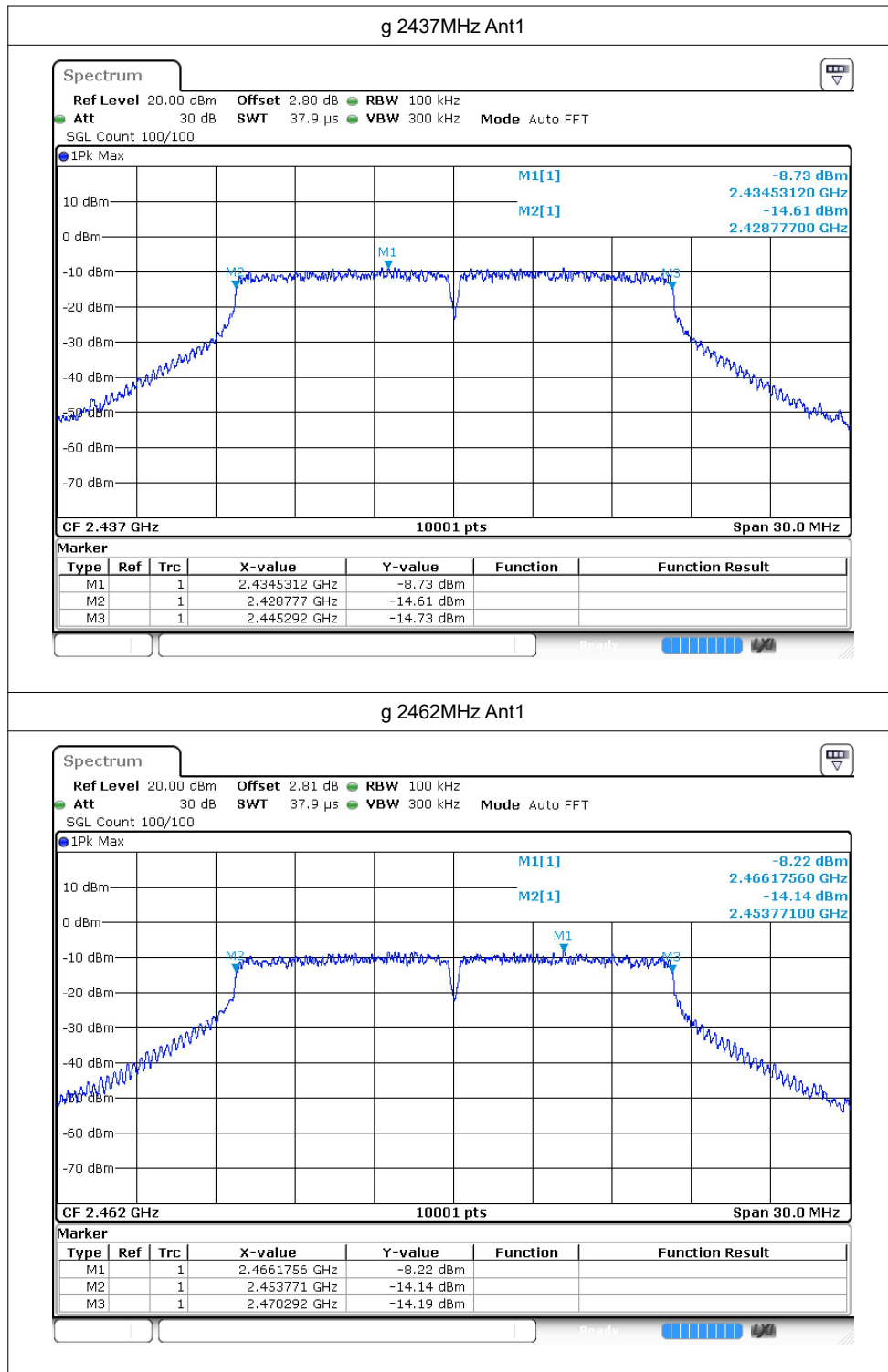
3.1 Test Result

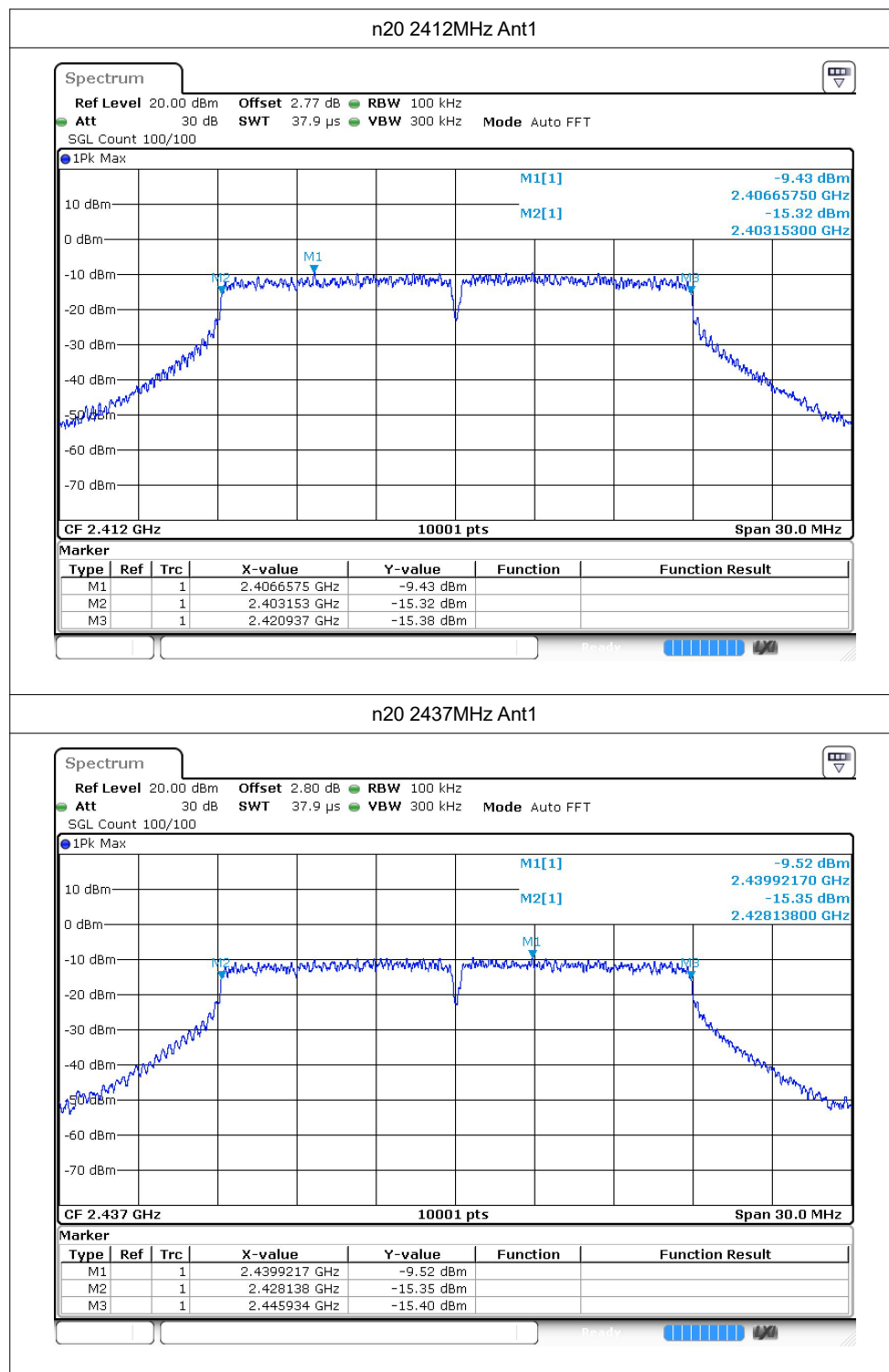
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	9.09	0.5	Pass
b	2437	Ant1	9.075	0.5	Pass
b	2462	Ant1	8.58	0.5	Pass
g	2412	Ant1	16.548	0.5	Pass
g	2437	Ant1	16.515	0.5	Pass
g	2462	Ant1	16.521	0.5	Pass
n20	2412	Ant1	17.784	0.5	Pass
n20	2437	Ant1	17.796	0.5	Pass
n20	2462	Ant1	17.679	0.5	Pass

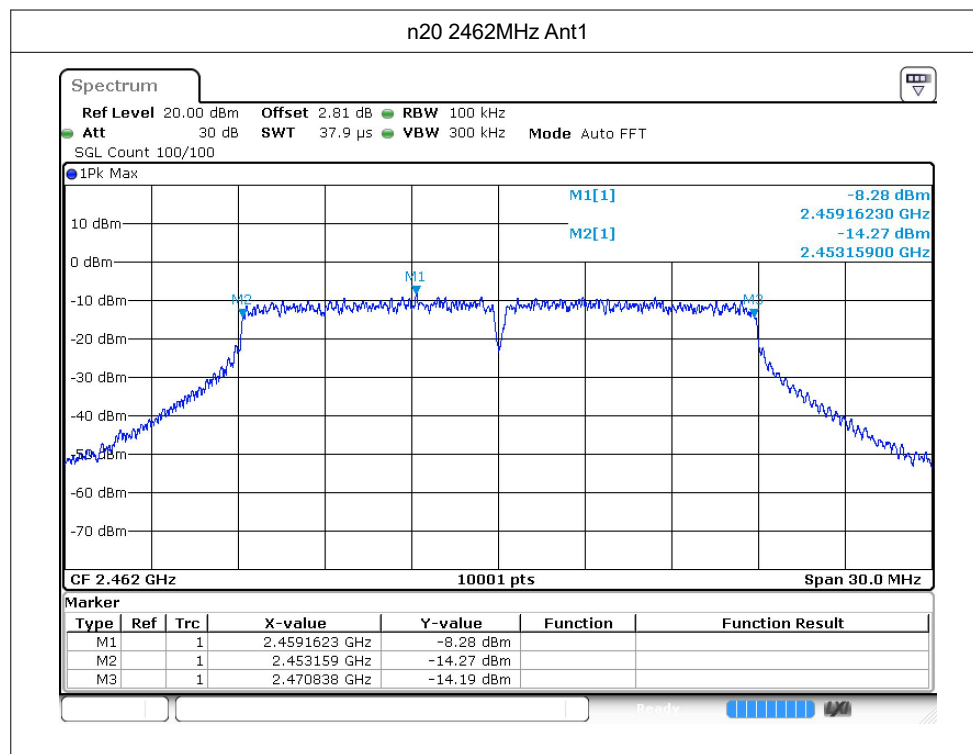
3.2 Test Graphs









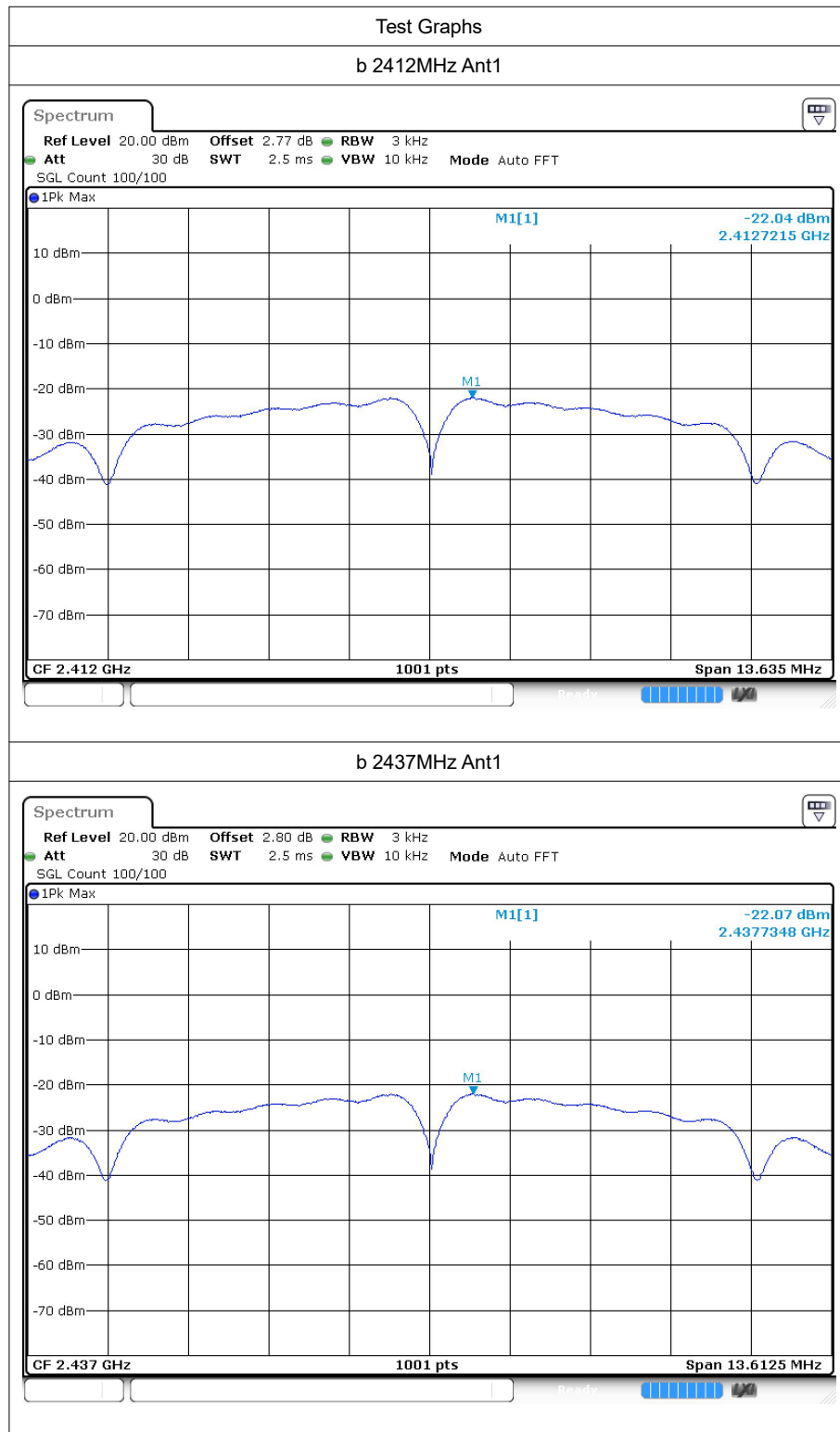


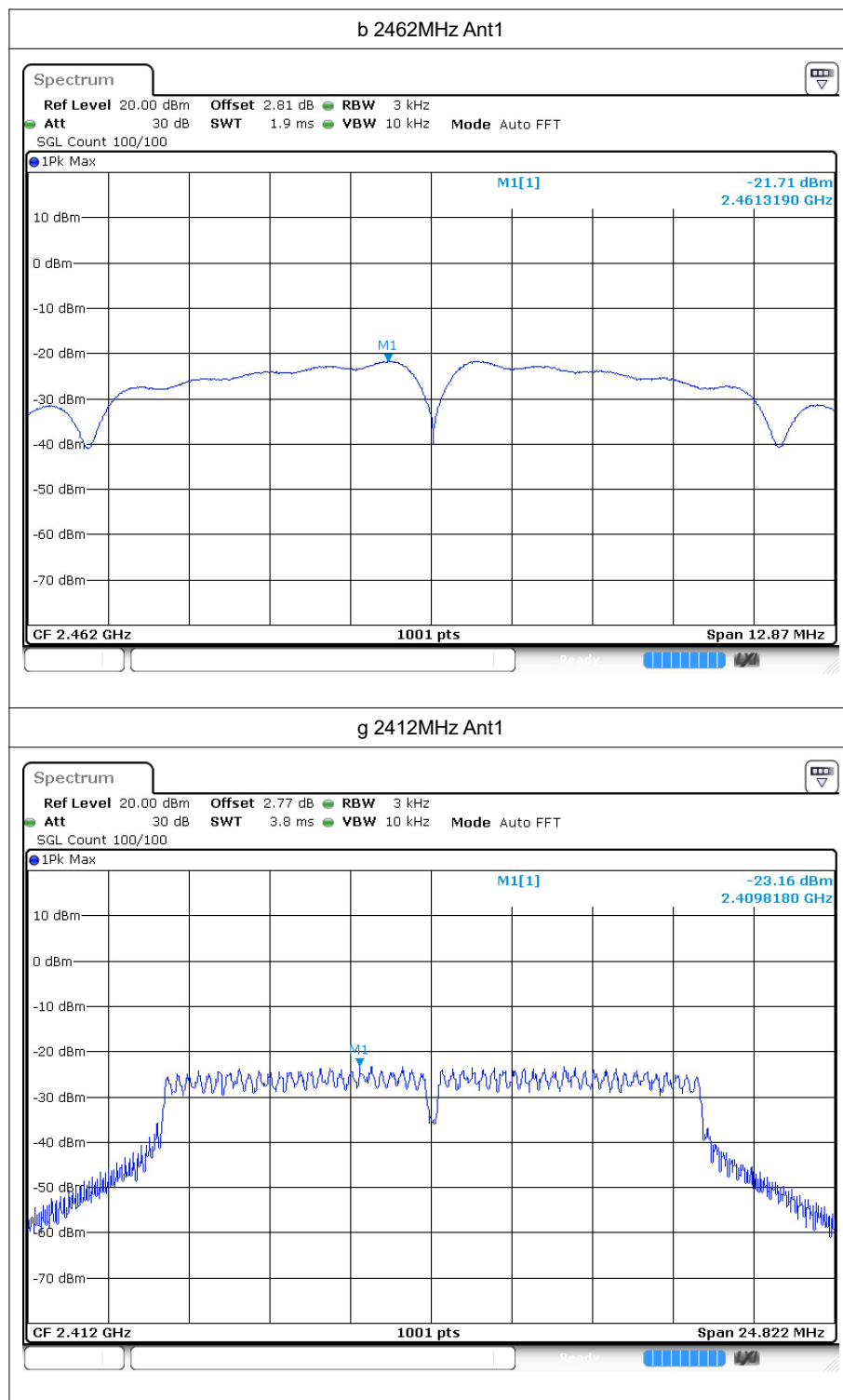
4 Maximum Power Spectral Density Level

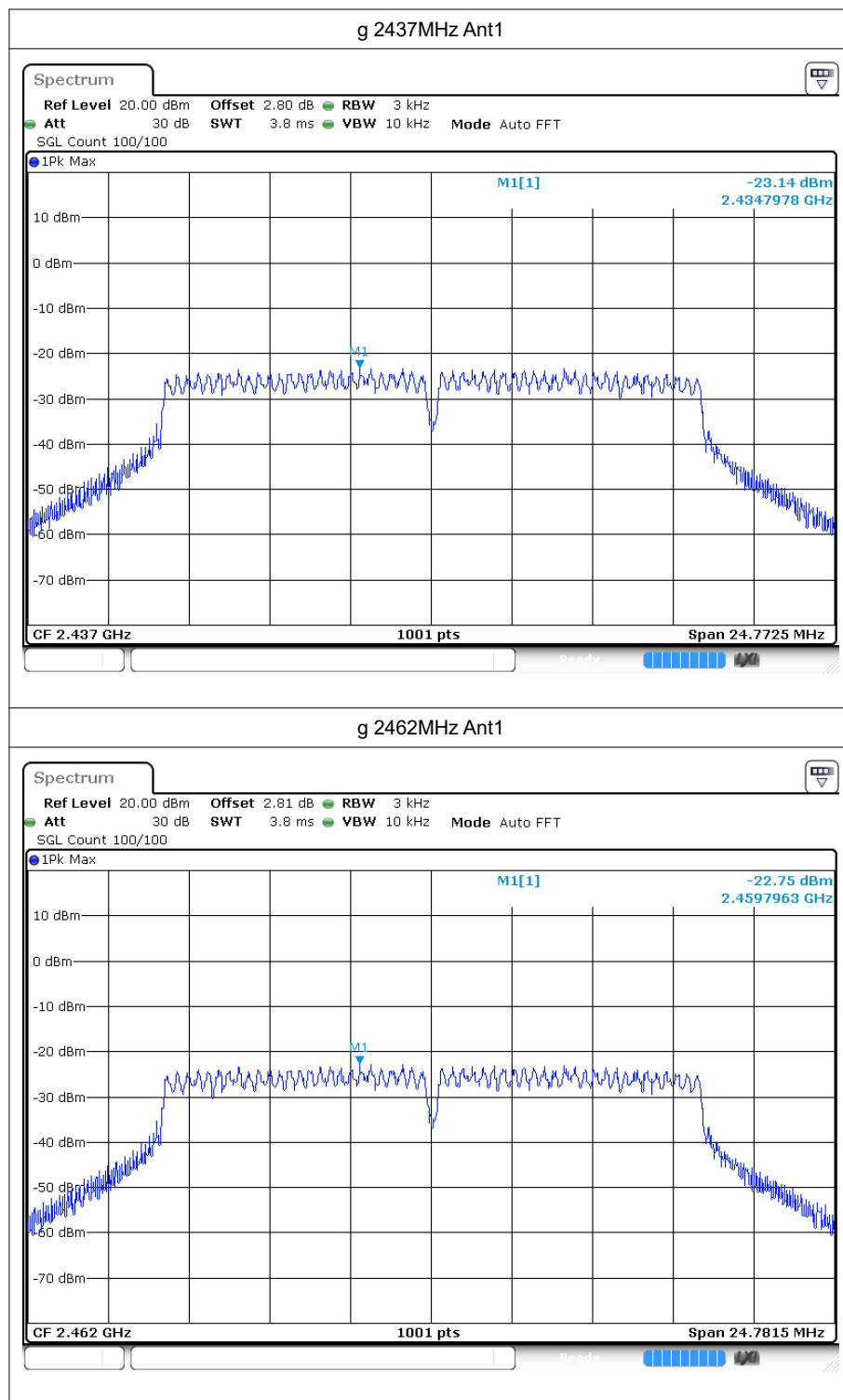
4.1 Test Result

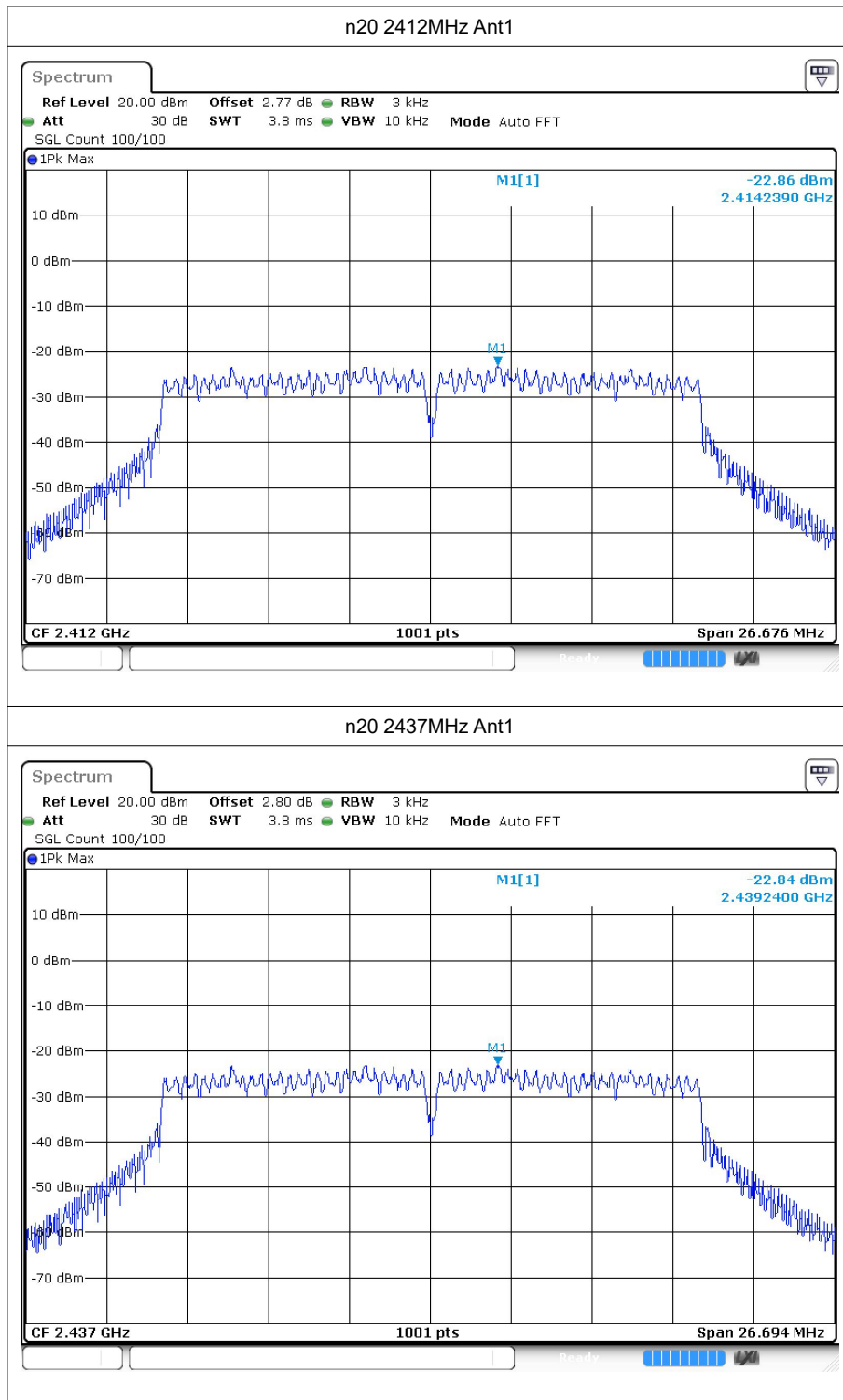
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-22.04	≤ 8	Pass
b	2437	Ant1	-22.07	≤ 8	Pass
b	2462	Ant1	-21.71	≤ 8	Pass
g	2412	Ant1	-23.16	≤ 8	Pass
g	2437	Ant1	-23.14	≤ 8	Pass
g	2462	Ant1	-22.75	≤ 8	Pass
n20	2412	Ant1	-22.86	≤ 8	Pass
n20	2437	Ant1	-22.84	≤ 8	Pass
n20	2462	Ant1	-22.53	≤ 8	Pass

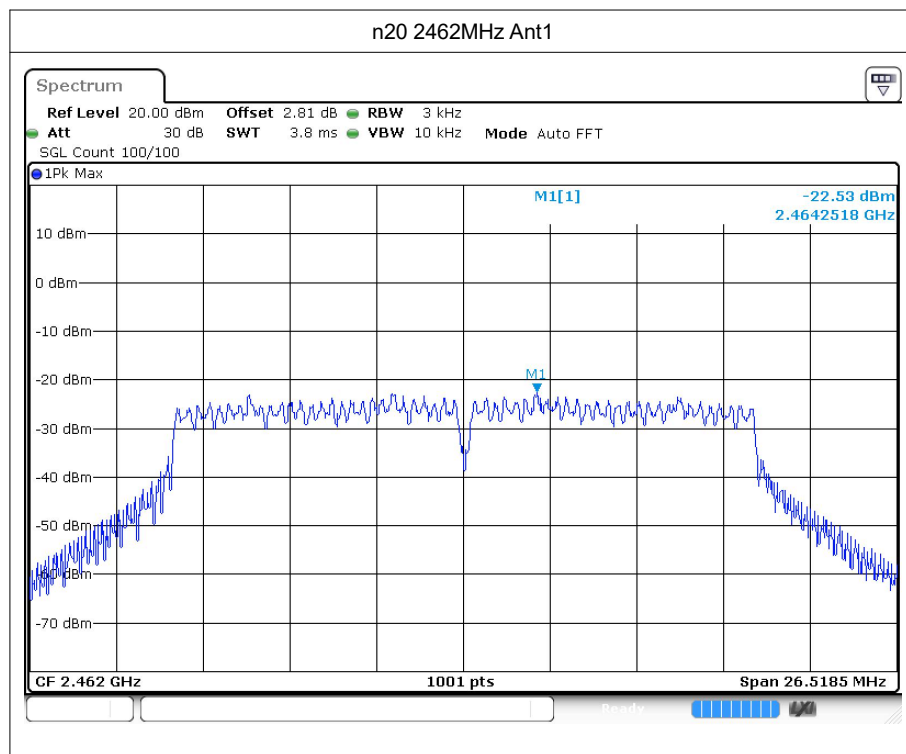
4.2 Test Graphs













5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-53.03	-20	Pass
b	2462	Ant1	-53.67	-20	Pass
g	2412	Ant1	-45.32	-20	Pass
g	2462	Ant1	-45.86	-20	Pass
n20	2412	Ant1	-45.3	-20	Pass
n20	2462	Ant1	-46.55	-20	Pass