

Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

FCC ID:2A7DX-A200PRO

Product Name: Smart phone

Test Model: A200 Pro

Environmental Conditions

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

Contents

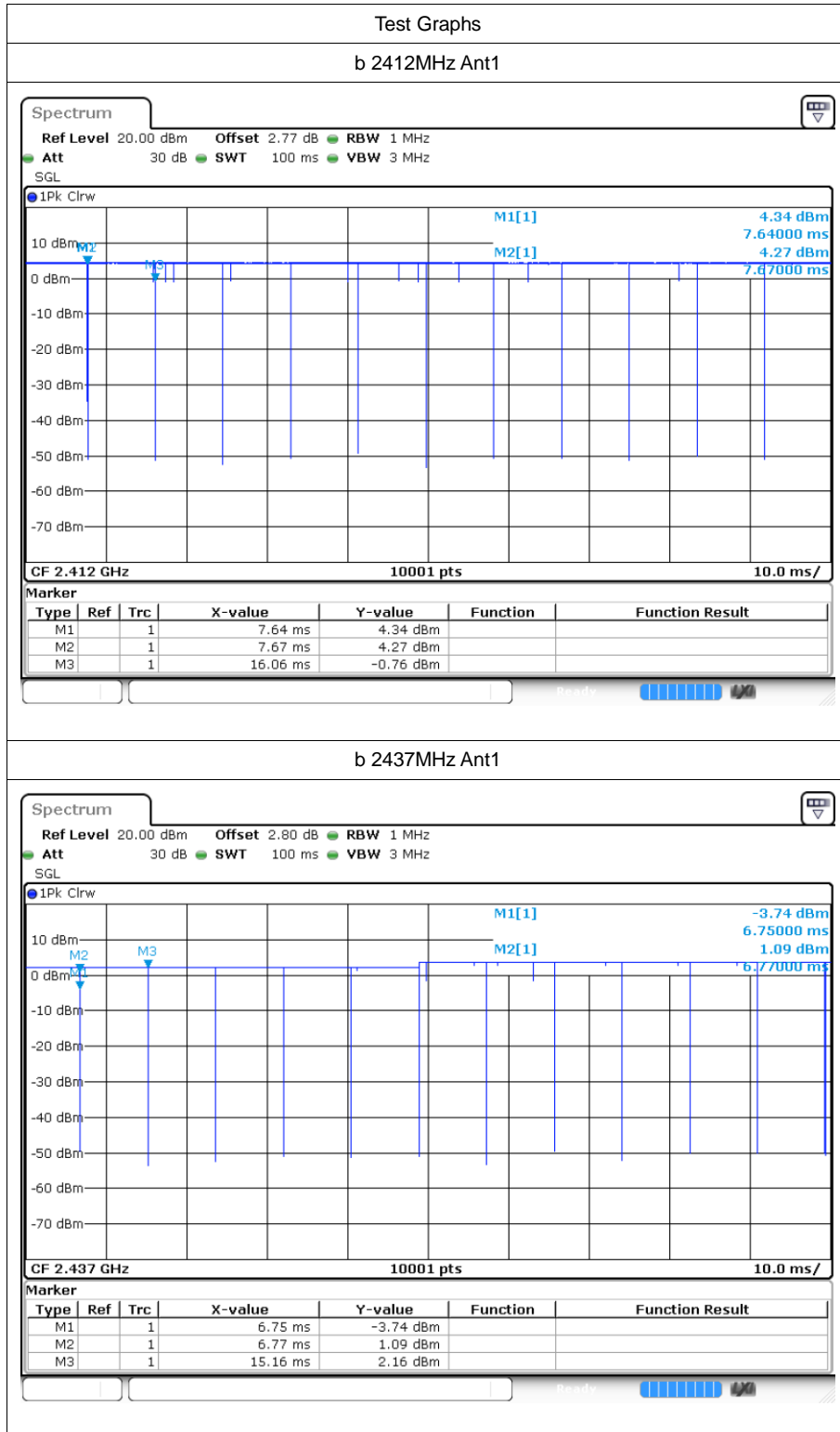
	Page
COVER PAGE	
1 Duty Cycle.....	3
1.1 Test Result	3
1.2 Test Graphs.....	4
2 Maximum Peak Conducted Output Power	10
2.1 Test Result	10
3 -6dB Bandwidth.....	11
3.1 Test Result	11
3.2 Test Graphs.....	12
4 Maximum Power Spectral Density Level.....	18
4.1 Test Result	18
4.2 Test Graphs.....	19
5 Band Edge	25
5.1 Test Result	25
5.2 Test Graphs.....	26
6 Conducted RF Spurious Emission	34
6.1 Test Result	34
6.2 Test Graphs.....	35
7 Restrict Band	47
7.1 Test Result	47
7.2 Test Graphs.....	49

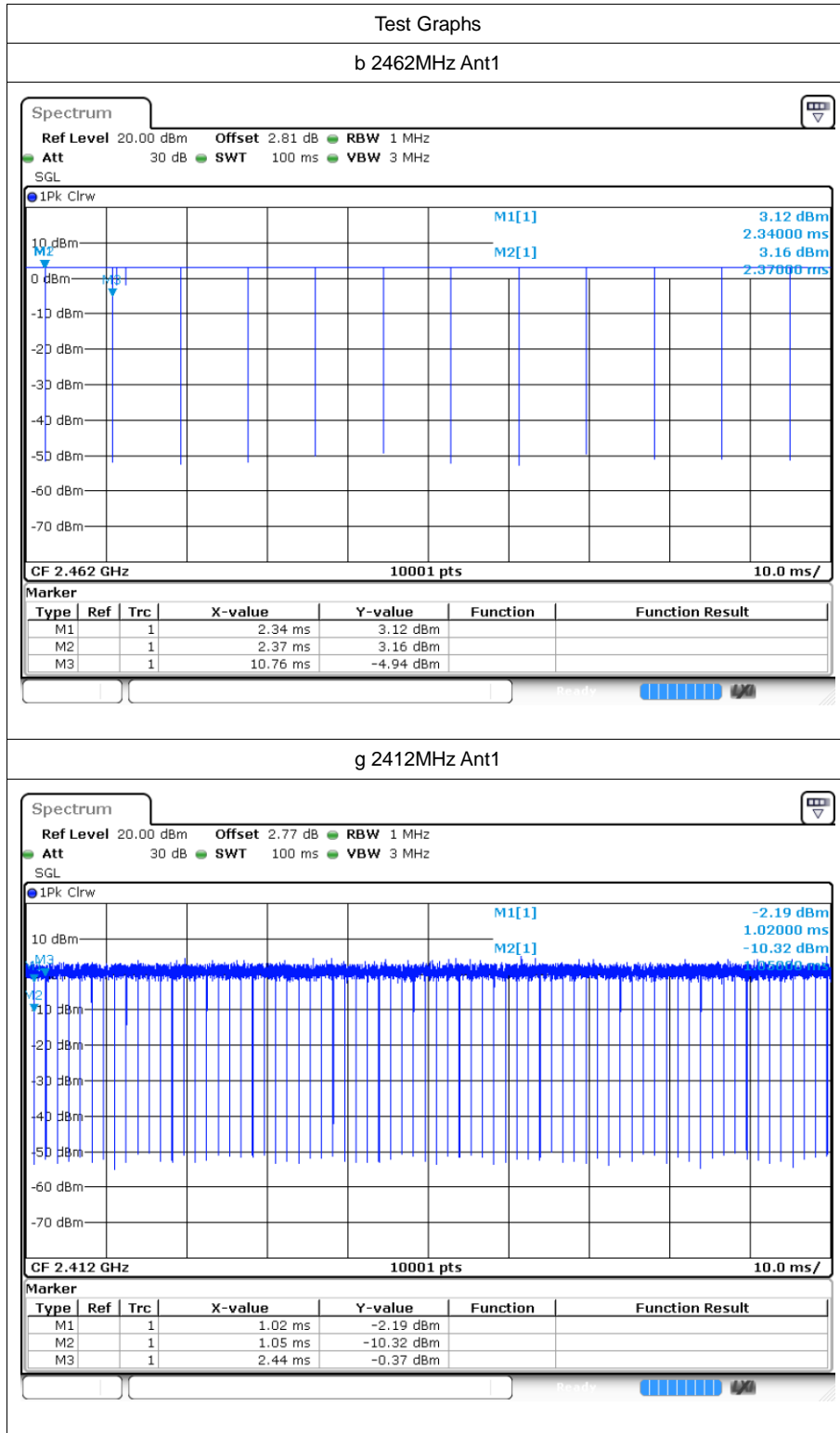
1 Duty Cycle

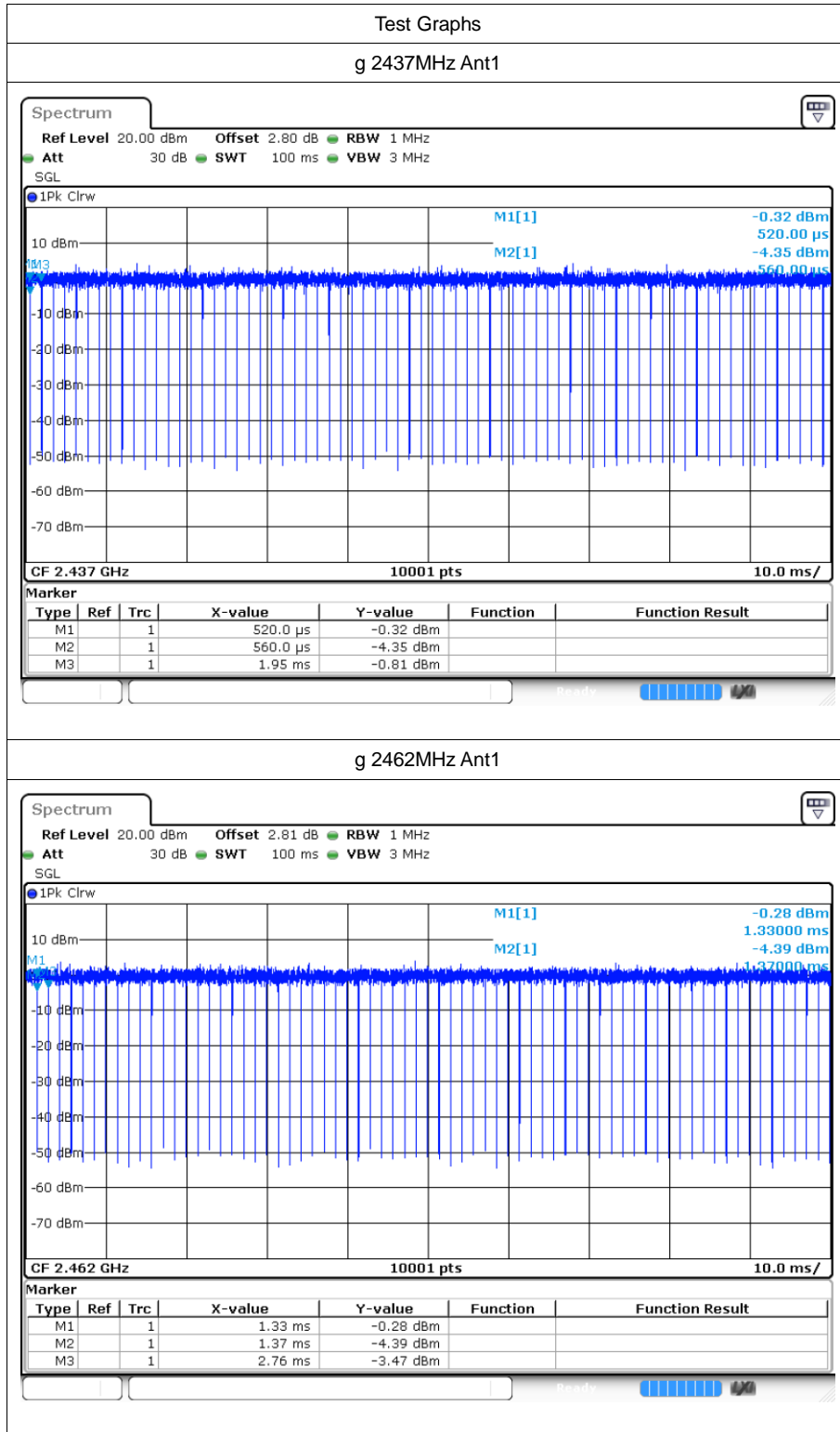
1.1 Test Result

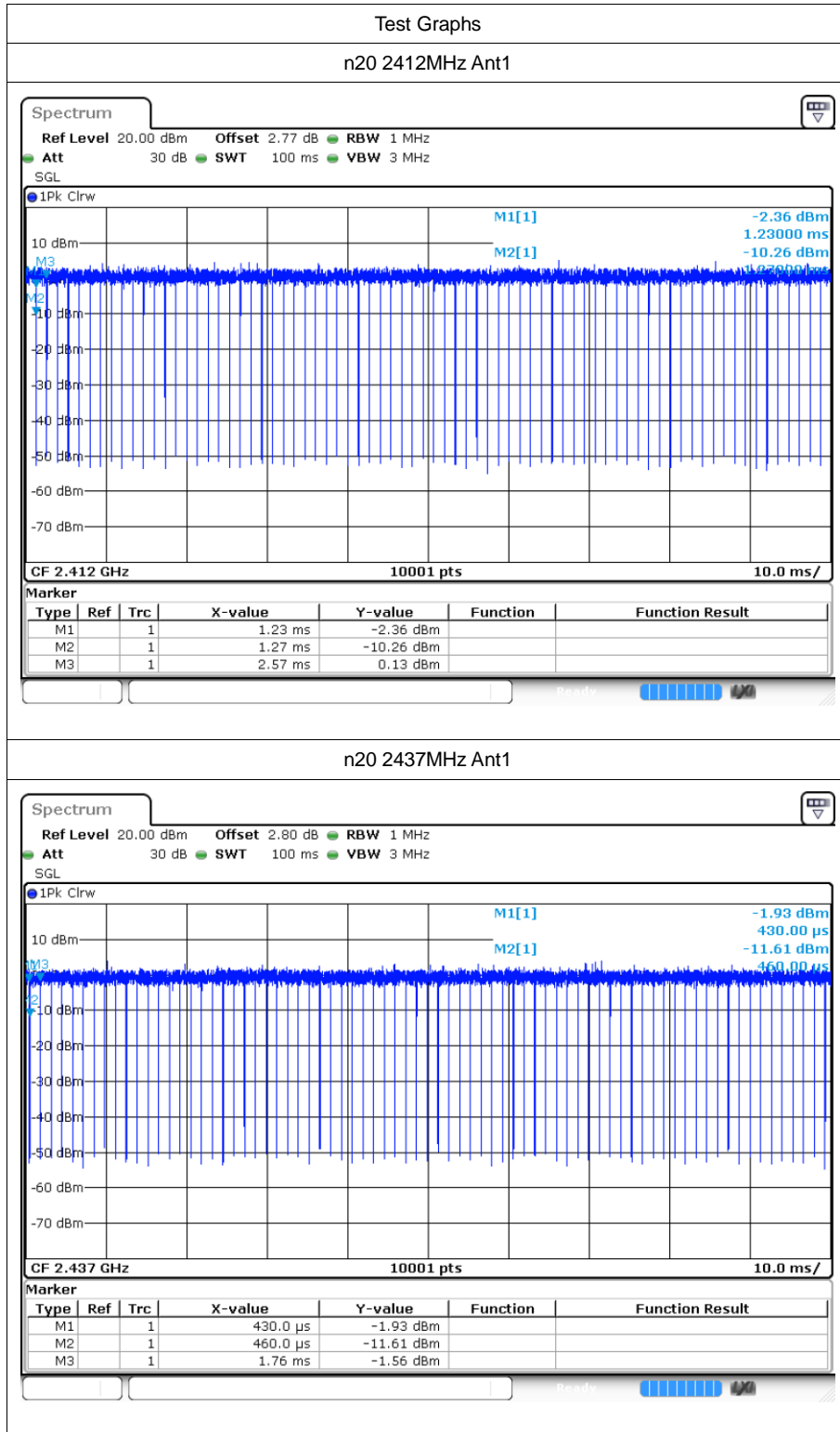
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	1/T (kHz)
b	2412	Ant1	99.8	0.12
b	2437	Ant1	99.79	0.12
b	2462	Ant1	99.79	0.12
g	2412	Ant1	98.23	0.72
g	2437	Ant1	98.23	0.72
g	2462	Ant1	98.22	0.72
n20	2412	Ant1	98.14	0.77
n20	2437	Ant1	98.11	0.77
n20	2462	Ant1	98.11	0.77
n40	2422	Ant1	96.5	1.54
n40	2437	Ant1	96.36	1.54
n40	2452	Ant1	96.47	1.54

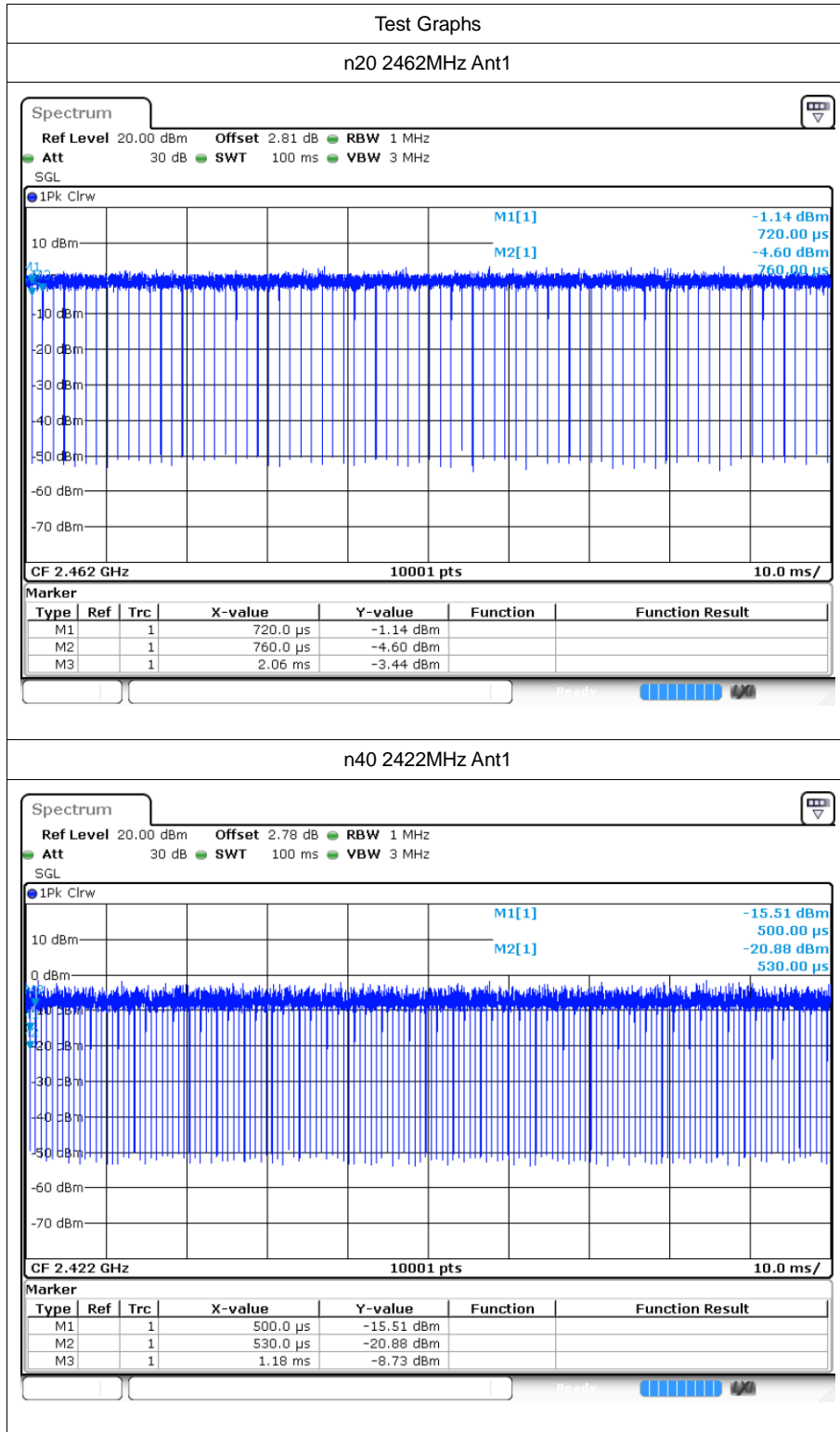
1.2 Test Graphs

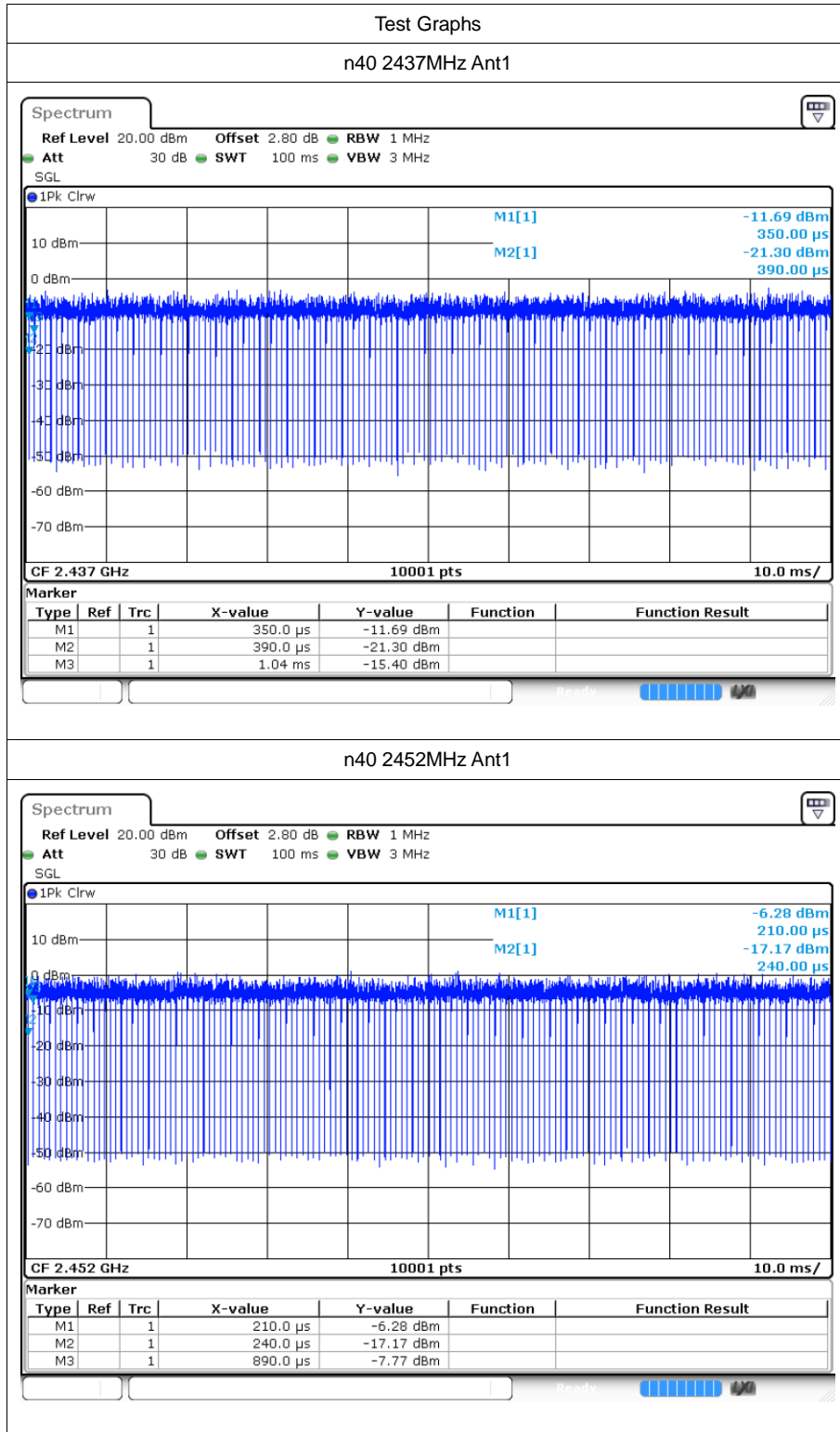












2 Maximum Peak Conducted Output Power

2.1 Test Result

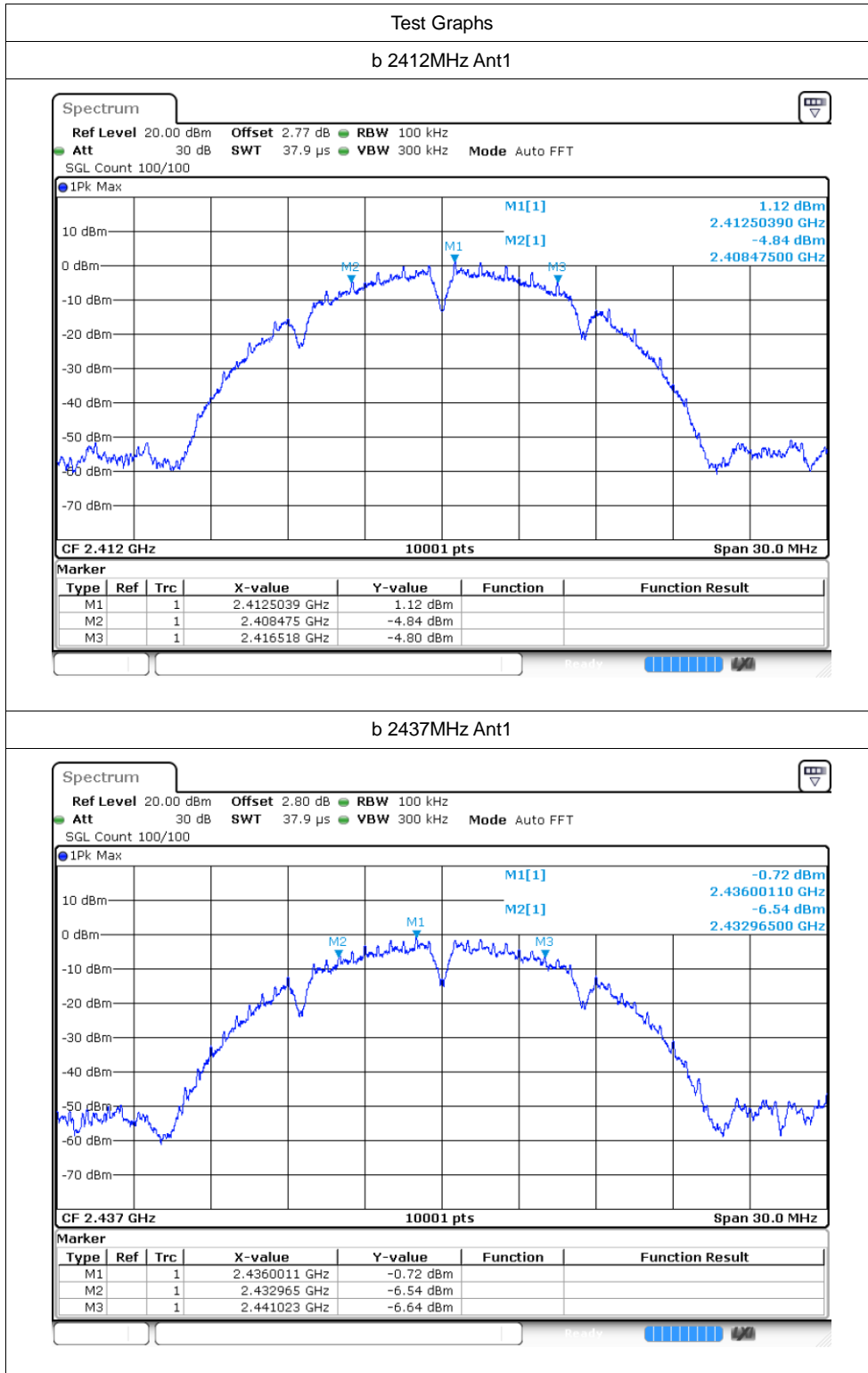
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	13.4	30	Pass
b	2437	Ant1	12.26	30	Pass
b	2462	Ant1	12.49	30	Pass
g	2412	Ant1	13.48	30	Pass
g	2437	Ant1	12.42	30	Pass
g	2462	Ant1	12.55	30	Pass
n20	2412	Ant1	13.45	30	Pass
n20	2437	Ant1	12.41	30	Pass
n20	2462	Ant1	12.43	30	Pass
n40	2422	Ant1	13.7	30	Pass
n40	2437	Ant1	13.16	30	Pass
n40	2452	Ant1	13.32	30	Pass

3 -6dB Bandwidth

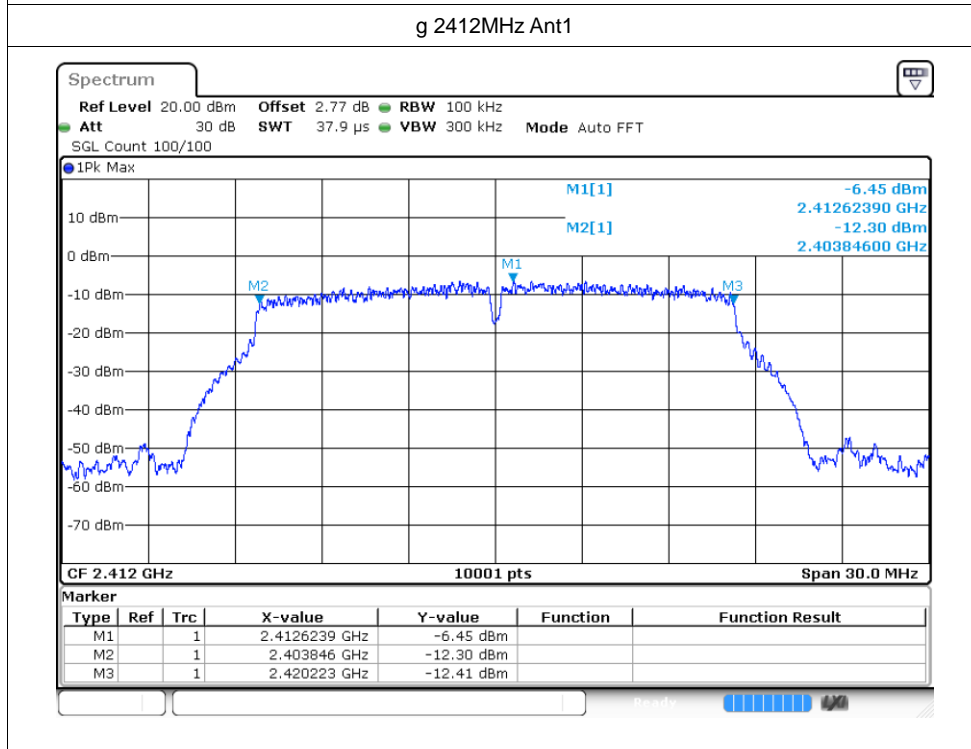
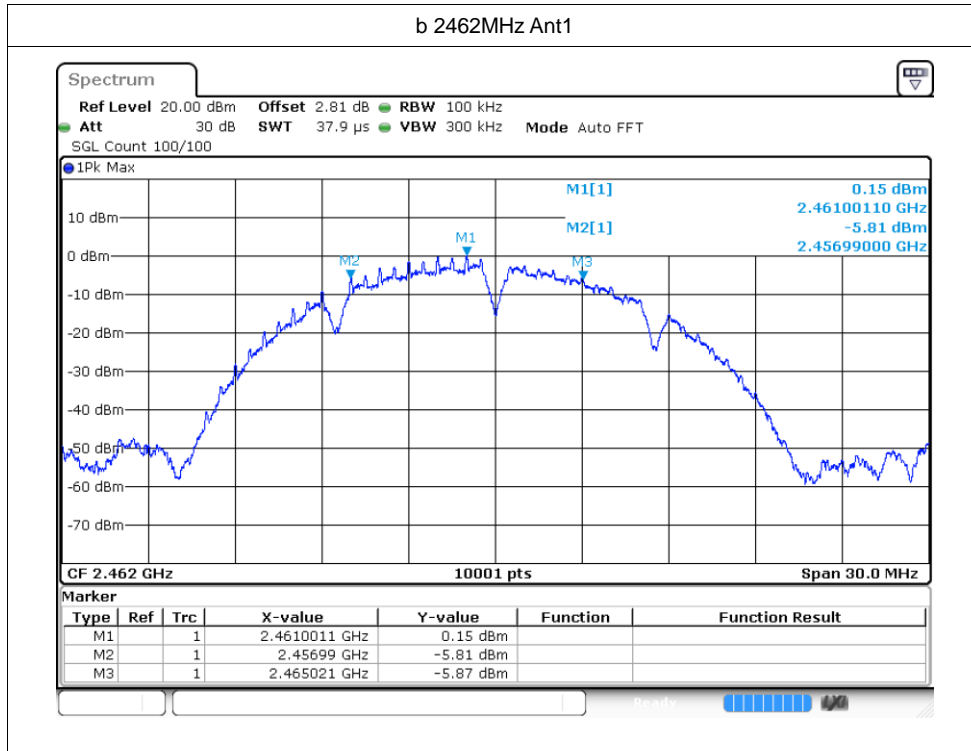
3.1 Test Result

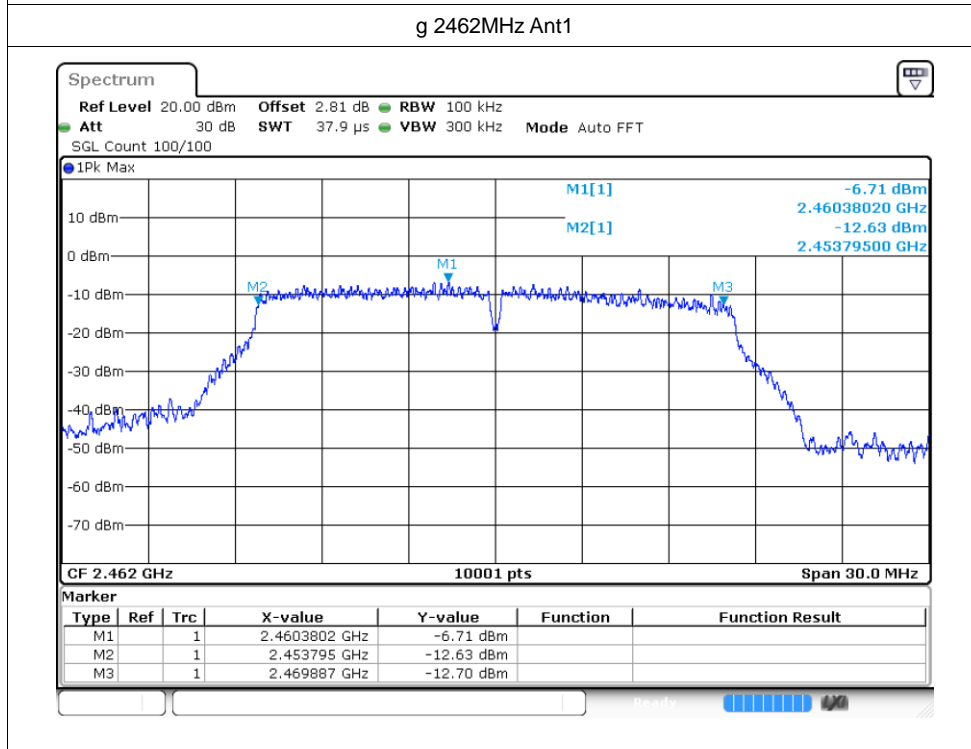
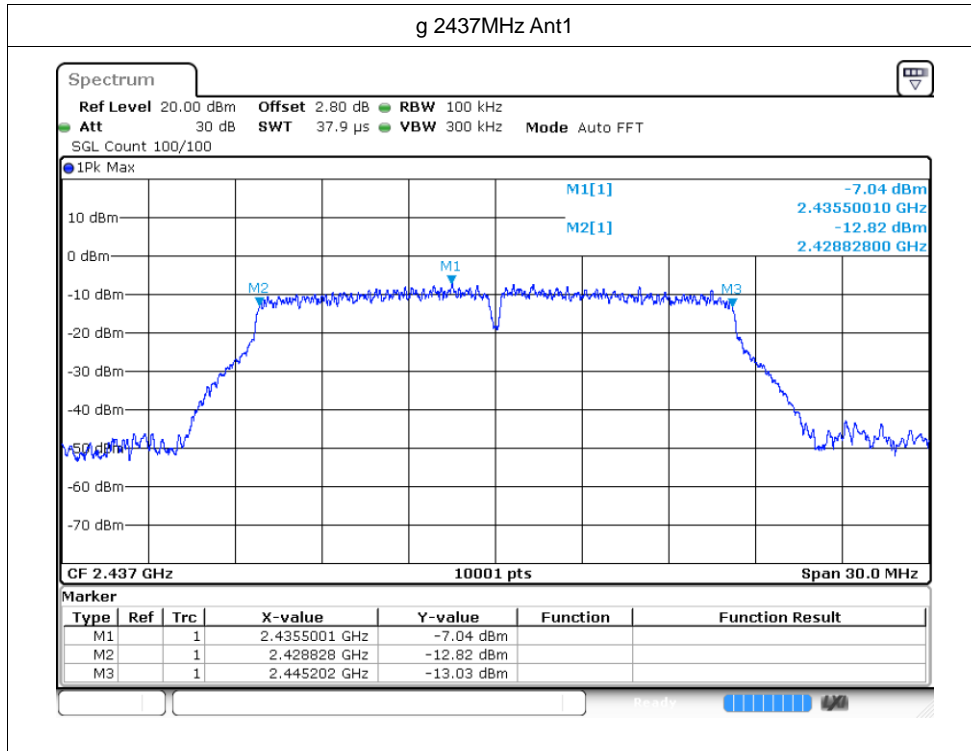
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	8.043	0.5	Pass
b	2437	Ant1	8.058	0.5	Pass
b	2462	Ant1	8.031	0.5	Pass
g	2412	Ant1	16.377	0.5	Pass
g	2437	Ant1	16.374	0.5	Pass
g	2462	Ant1	16.092	0.5	Pass
n20	2412	Ant1	14.394	0.5	Pass
n20	2437	Ant1	17.607	0.5	Pass
n20	2462	Ant1	17.004	0.5	Pass
n40	2422	Ant1	33.798	0.5	Pass
n40	2437	Ant1	35.94	0.5	Pass
n40	2452	Ant1	17.502	0.5	Pass

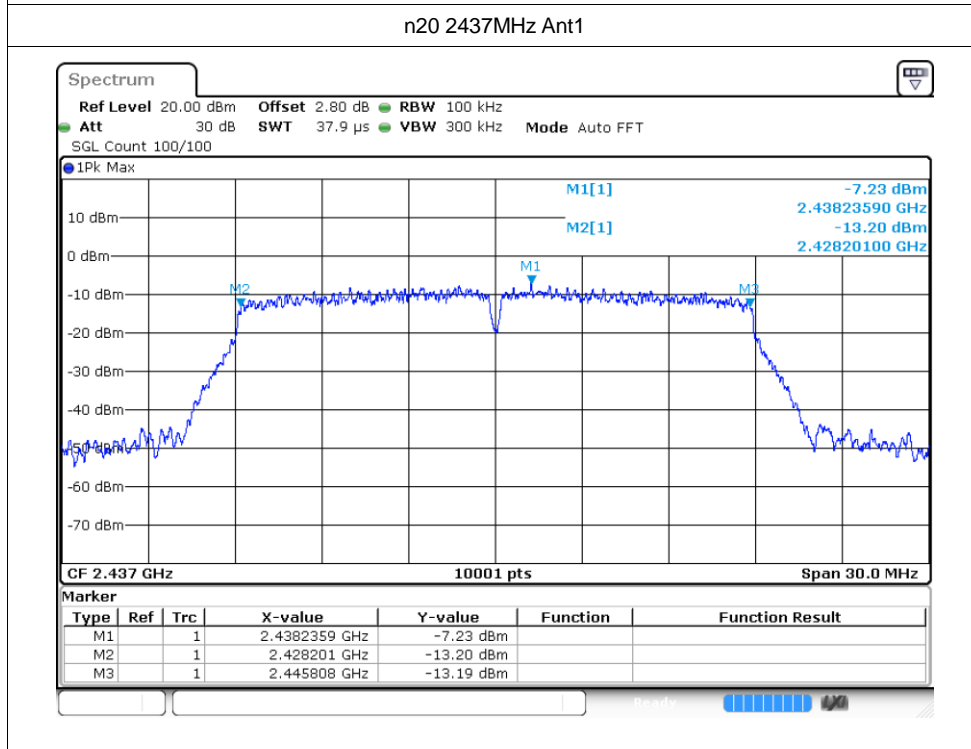
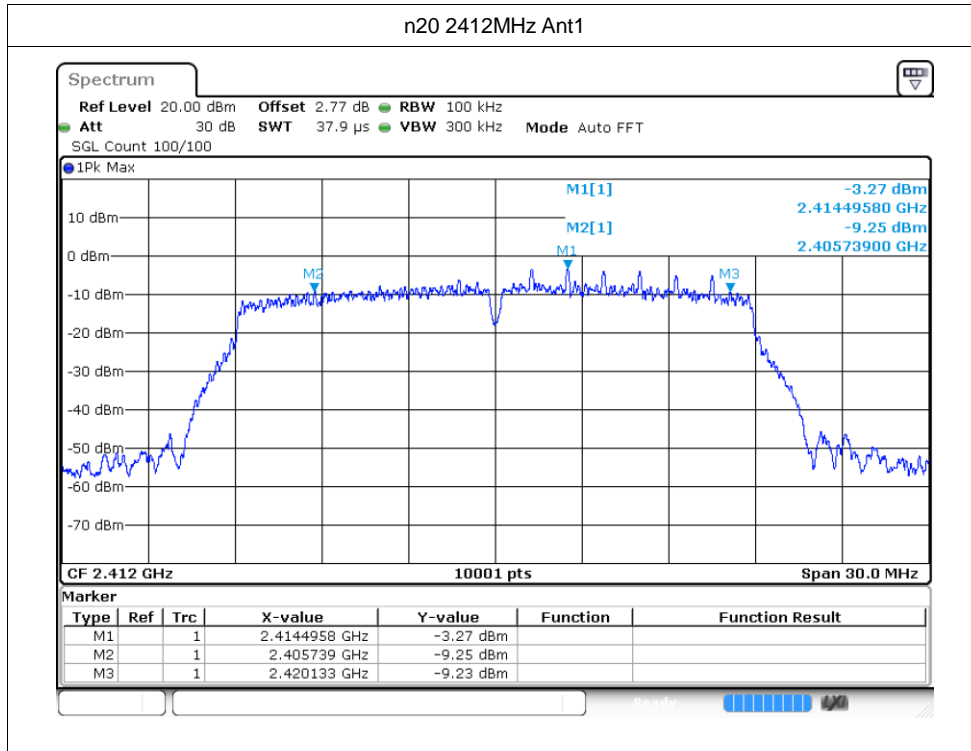
3.2 Test Graphs

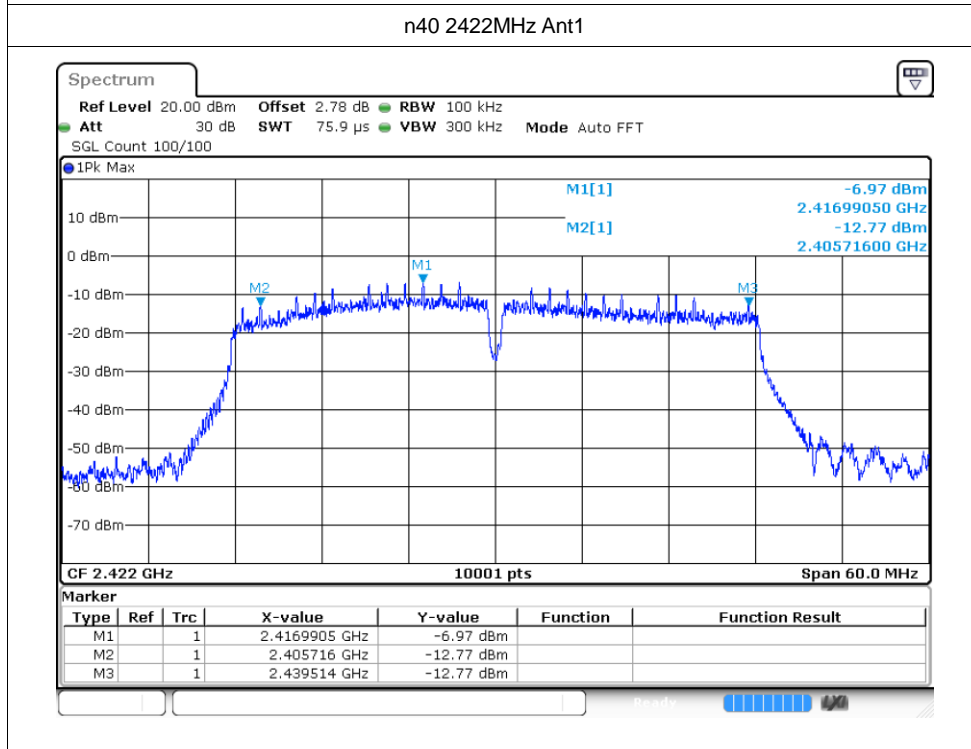
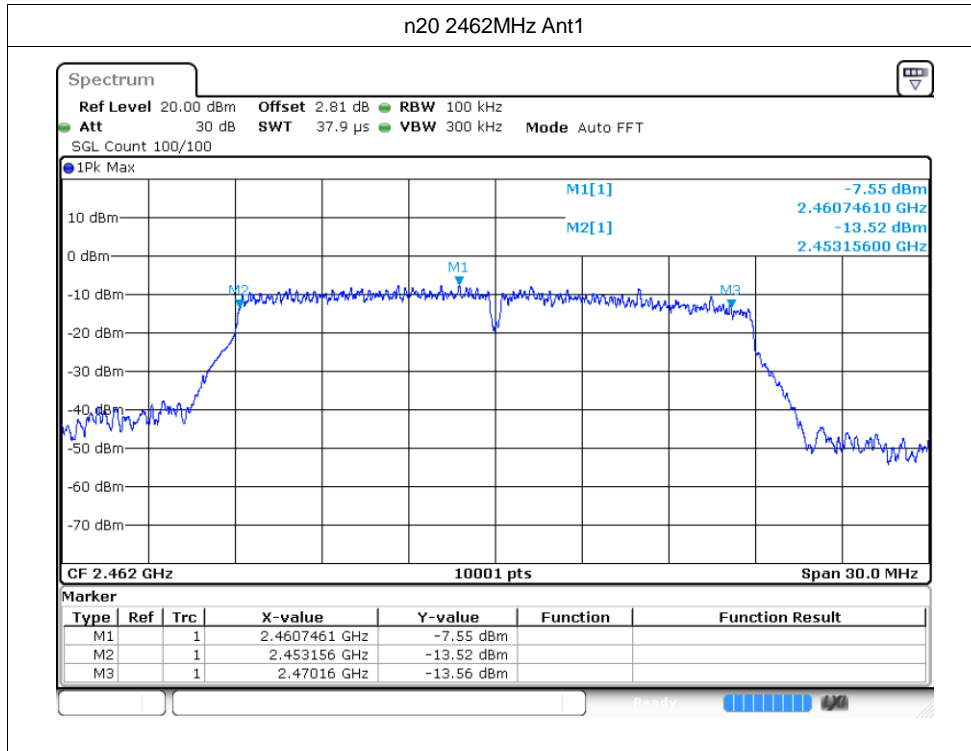


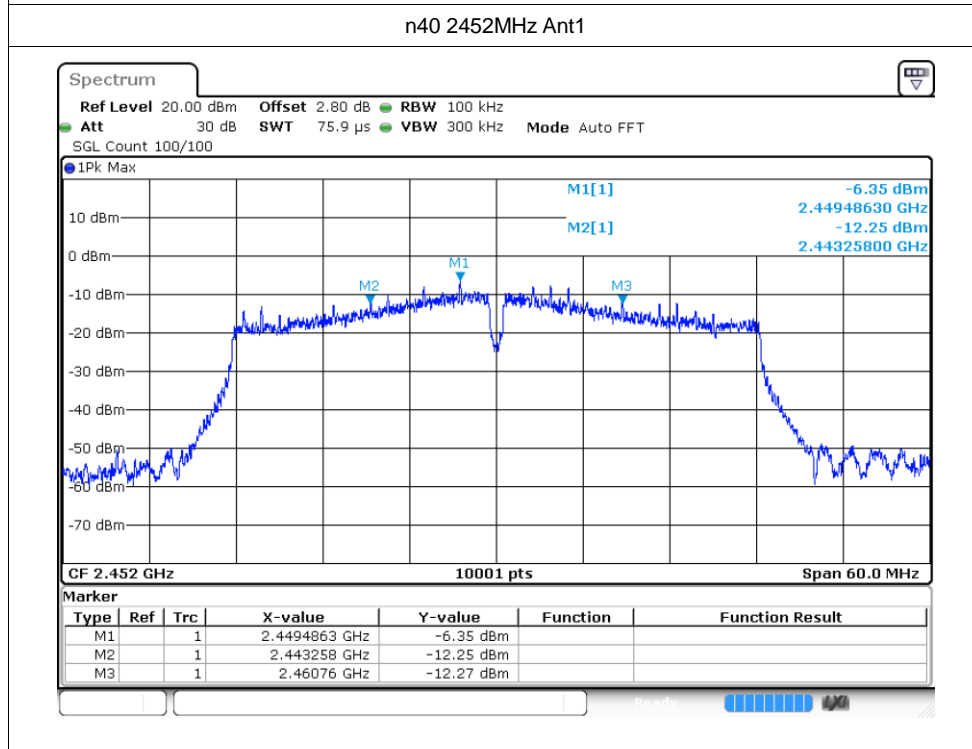
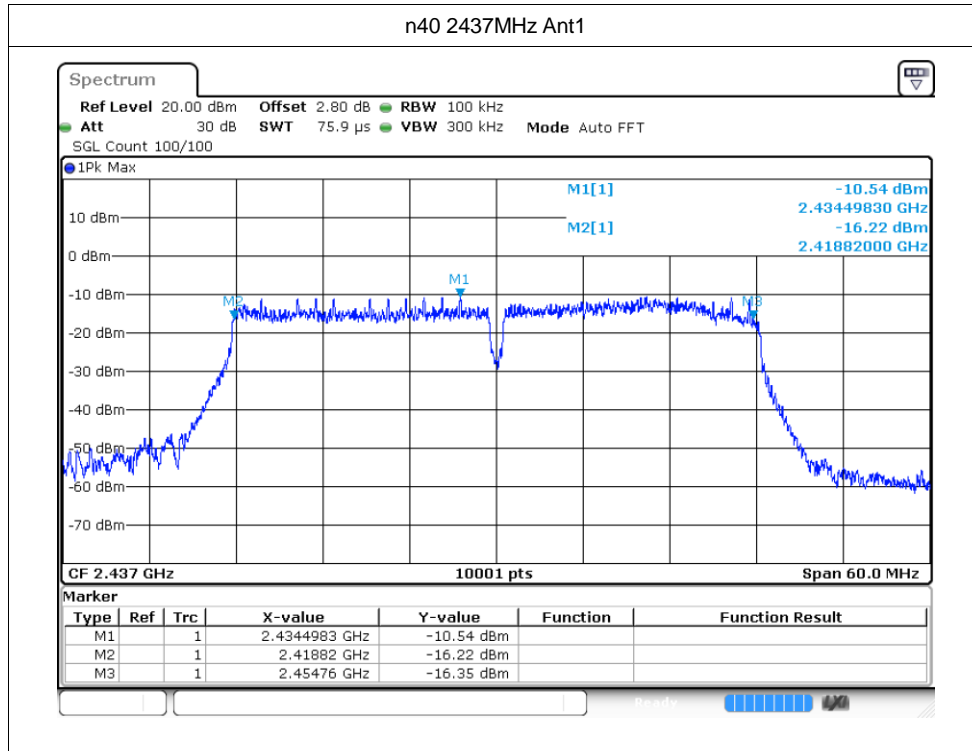
b 2437MHz Ant1









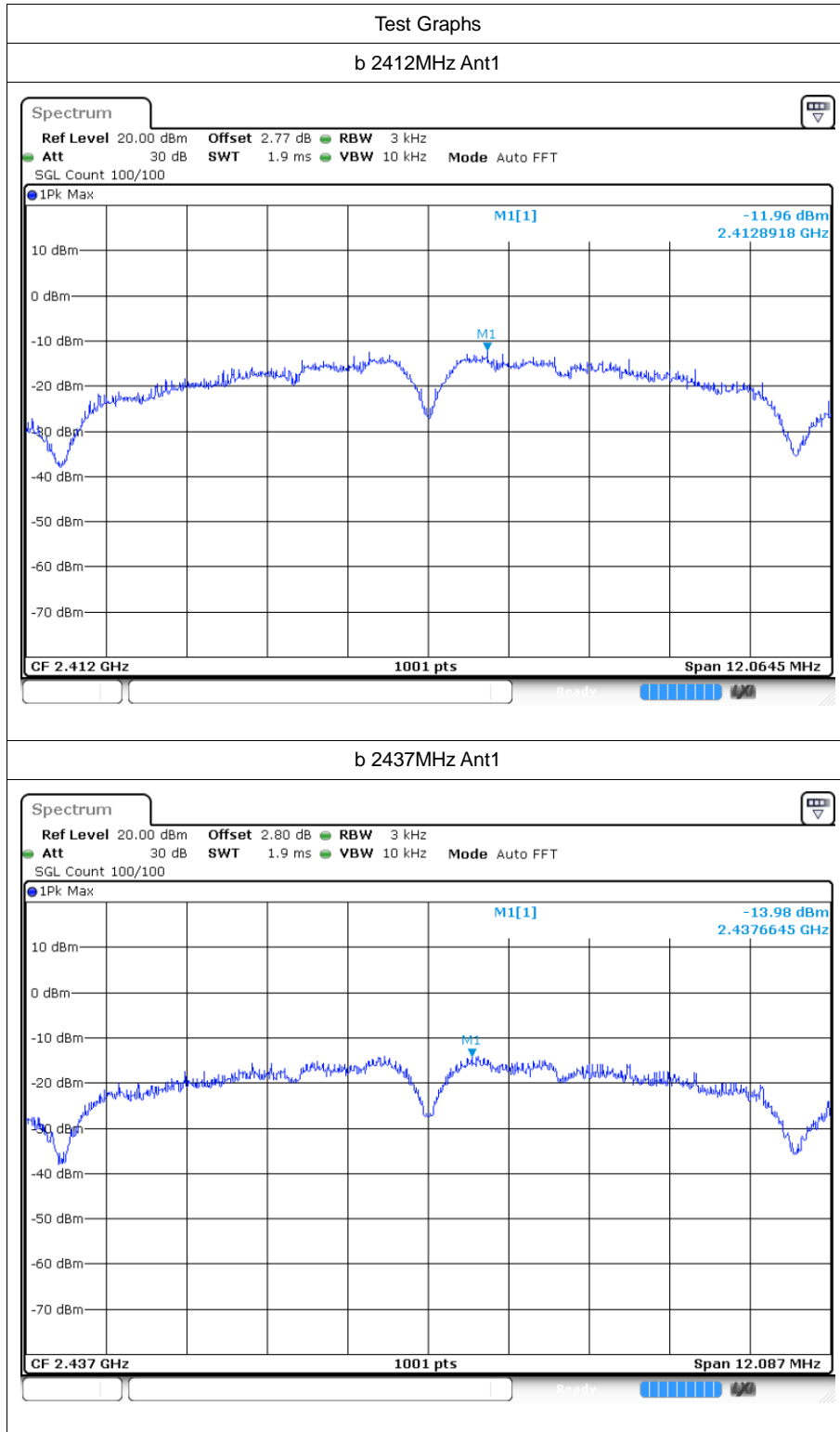


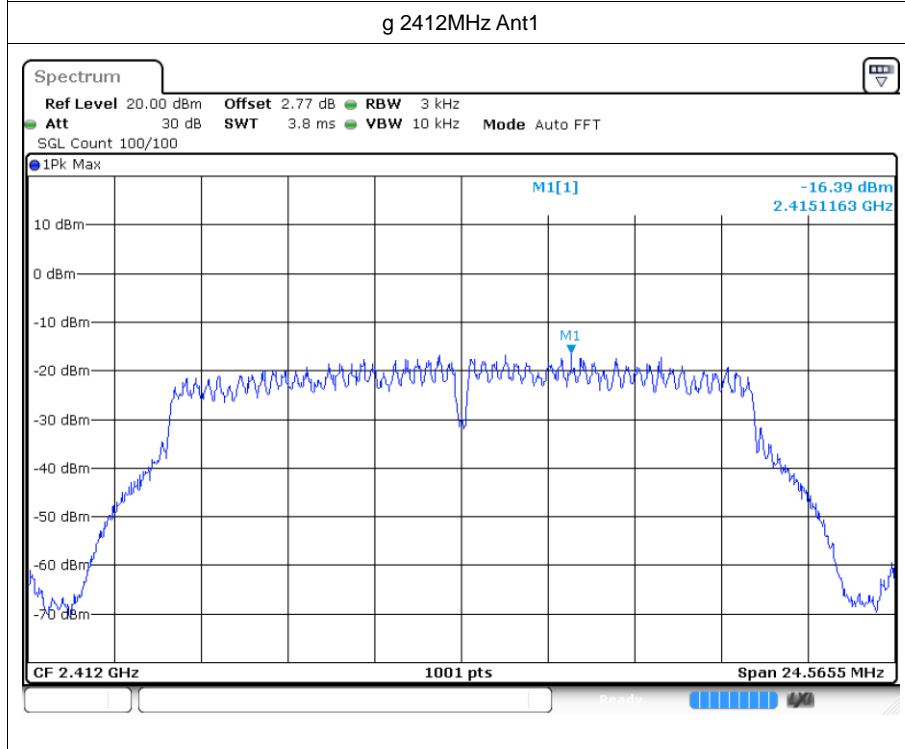
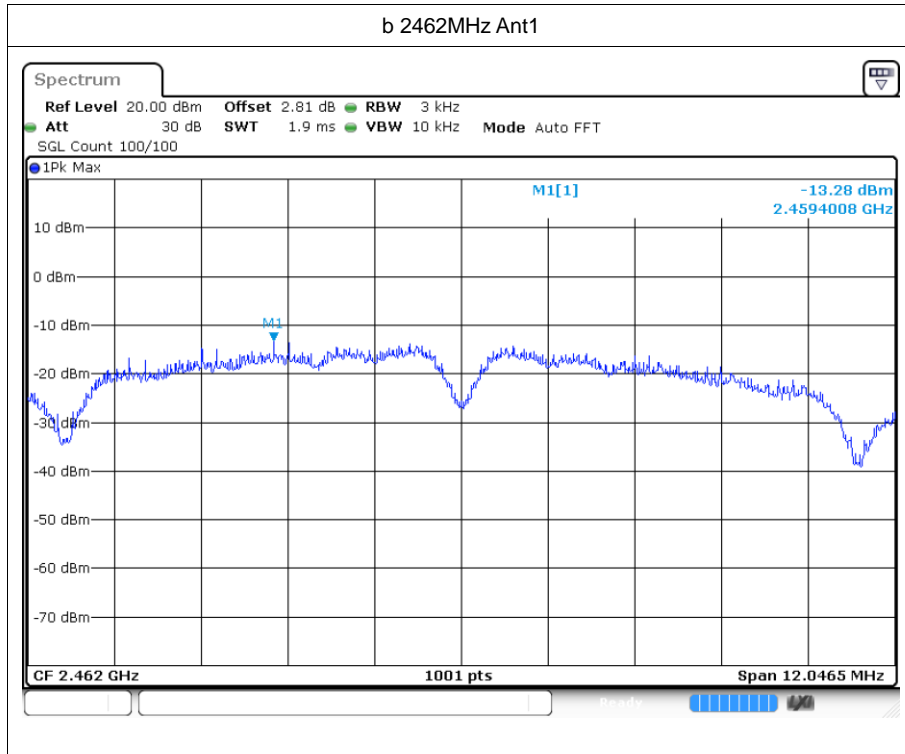
4 Maximum Power Spectral Density Level

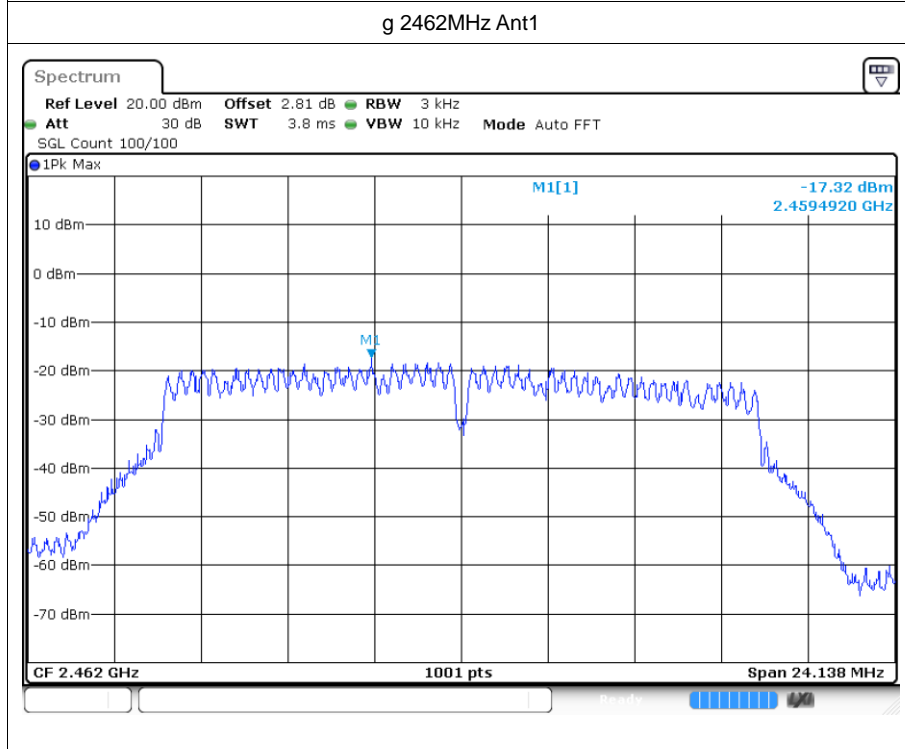
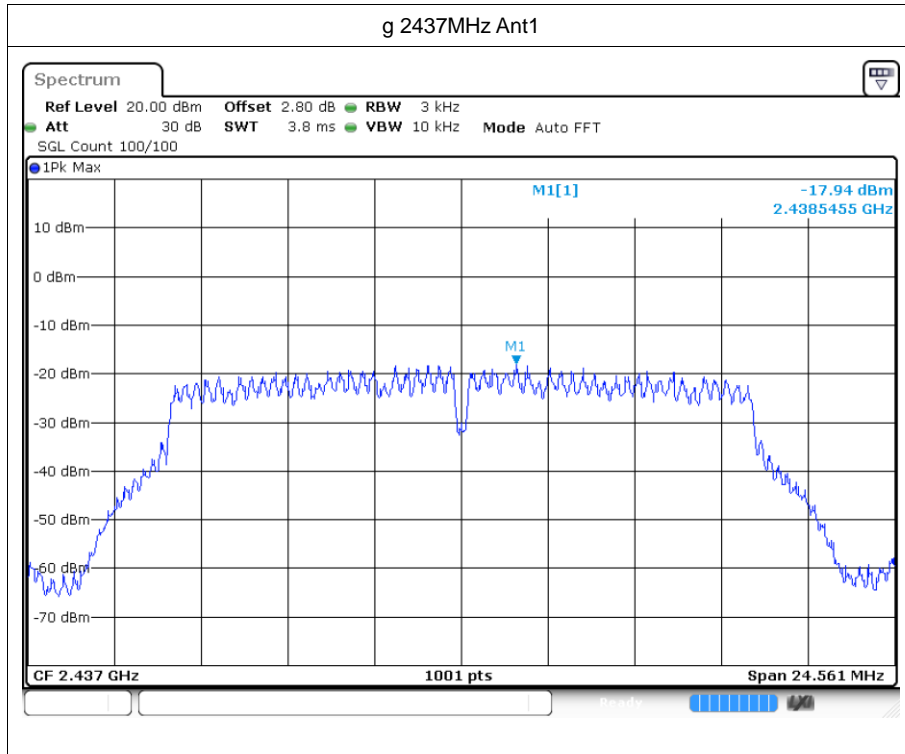
4.1 Test Result

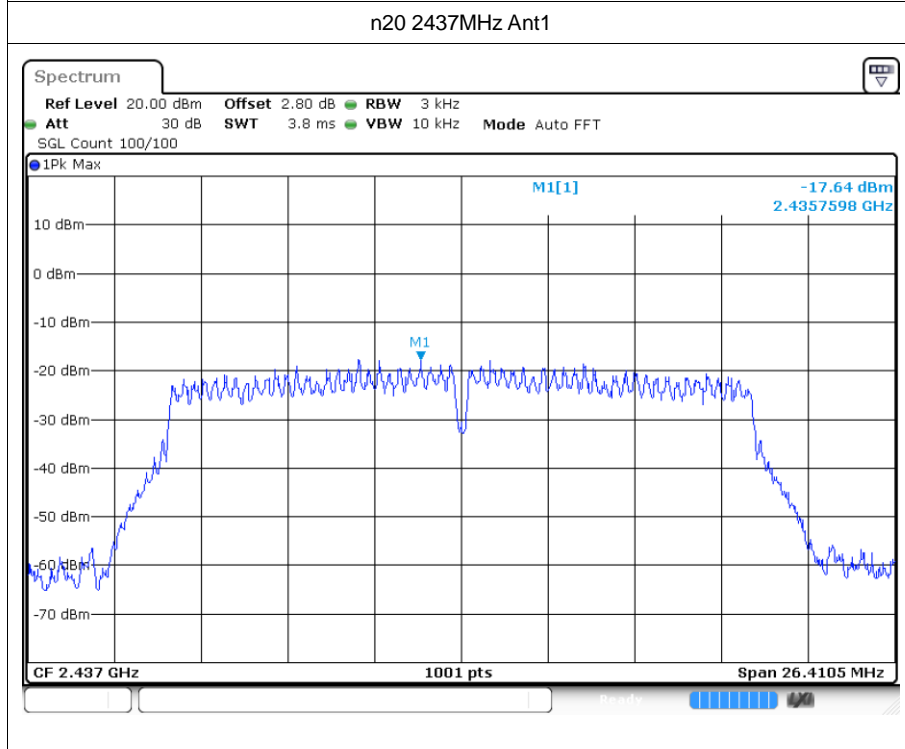
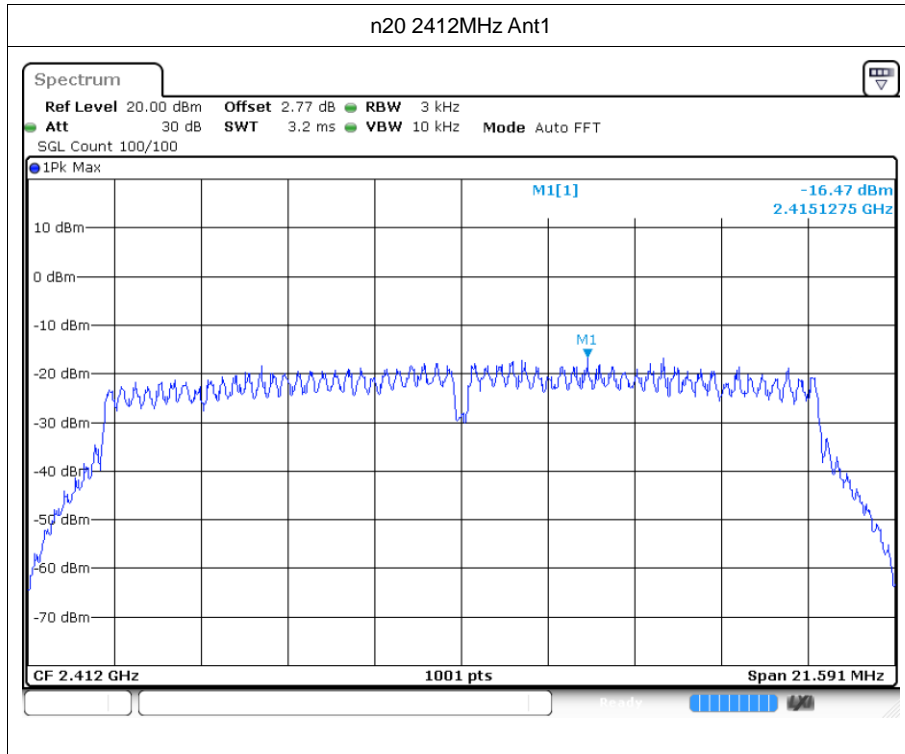
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-11.96	≤8	Pass
b	2437	Ant1	-13.98	≤8	Pass
b	2462	Ant1	-13.28	≤8	Pass
g	2412	Ant1	-16.39	≤8	Pass
g	2437	Ant1	-17.94	≤8	Pass
g	2462	Ant1	-17.32	≤8	Pass
n20	2412	Ant1	-16.47	≤8	Pass
n20	2437	Ant1	-17.64	≤8	Pass
n20	2462	Ant1	-17.57	≤8	Pass
n40	2422	Ant1	-20.79	≤8	Pass
n40	2437	Ant1	-21.54	≤8	Pass
n40	2452	Ant1	-22.88	≤8	Pass

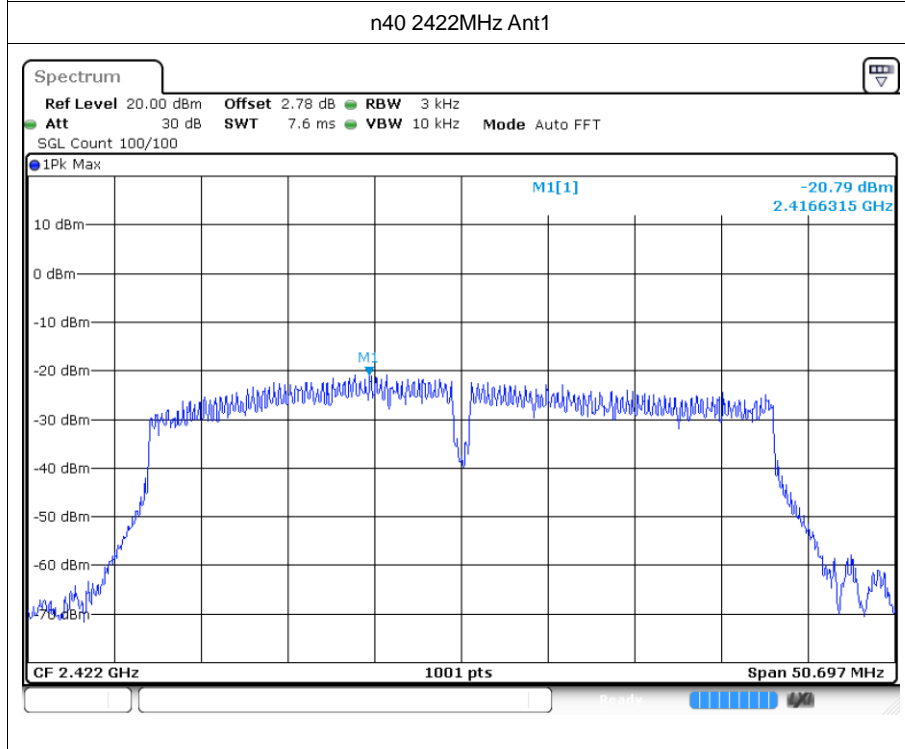
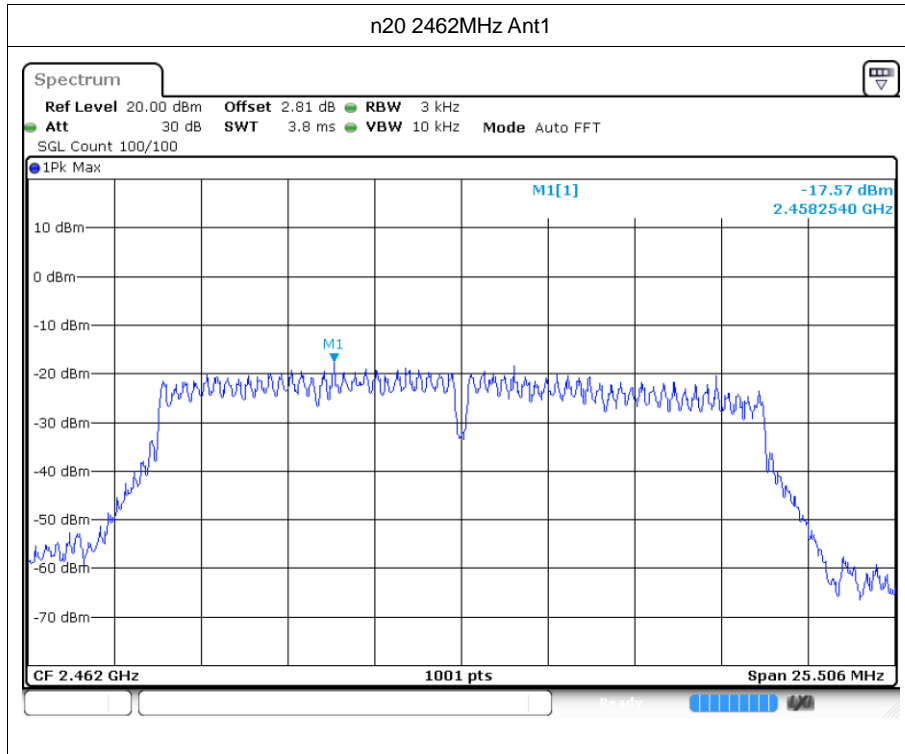
4.2 Test Graphs

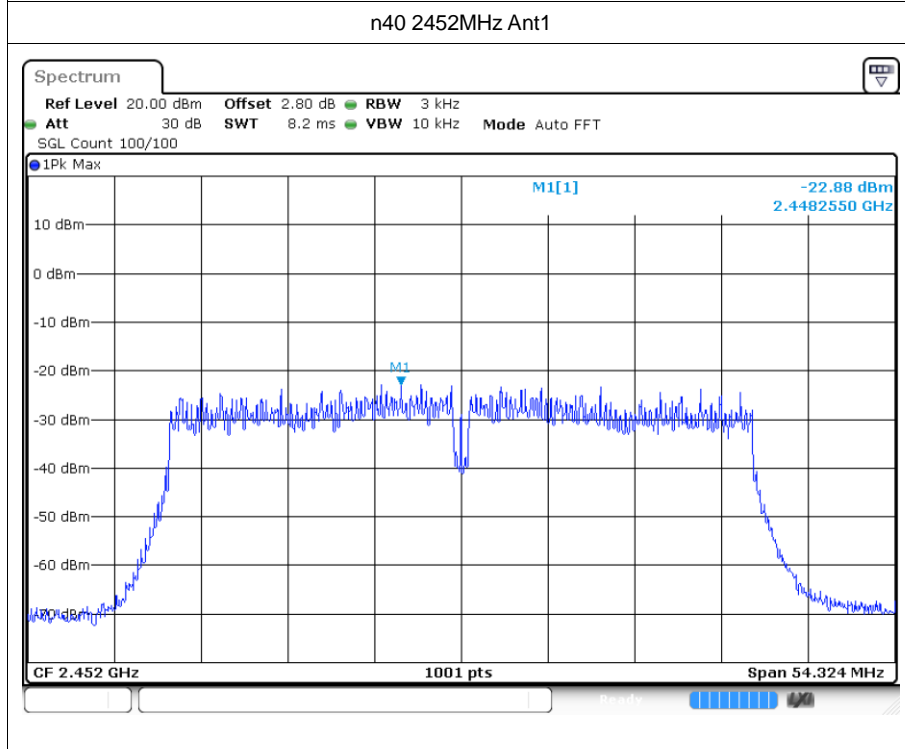
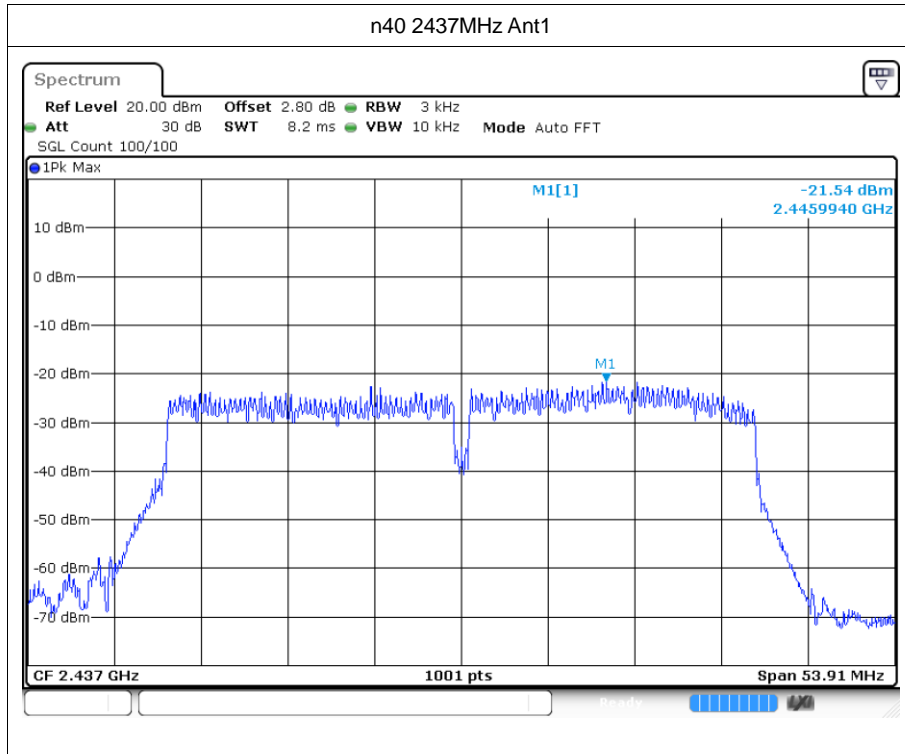










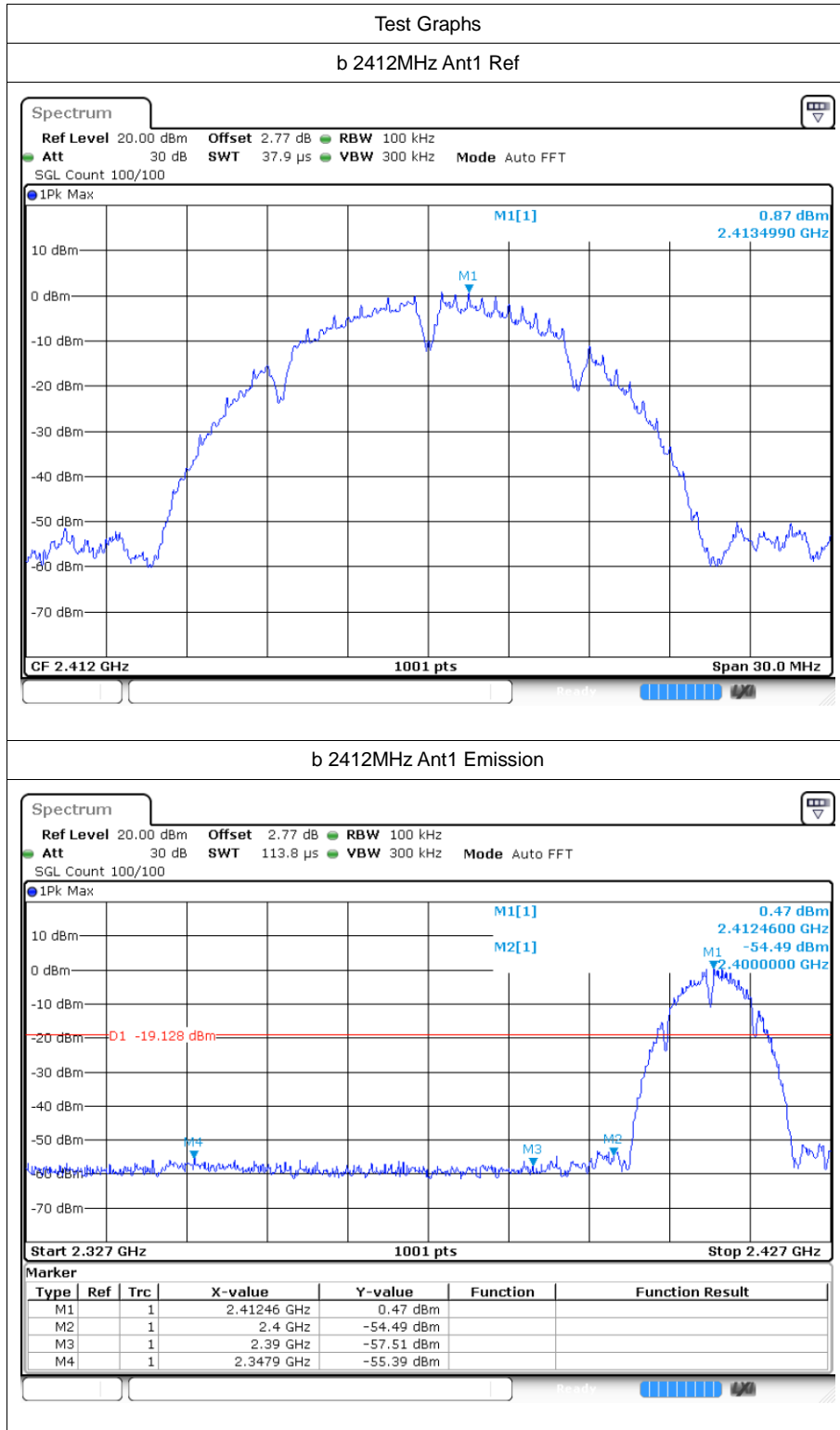


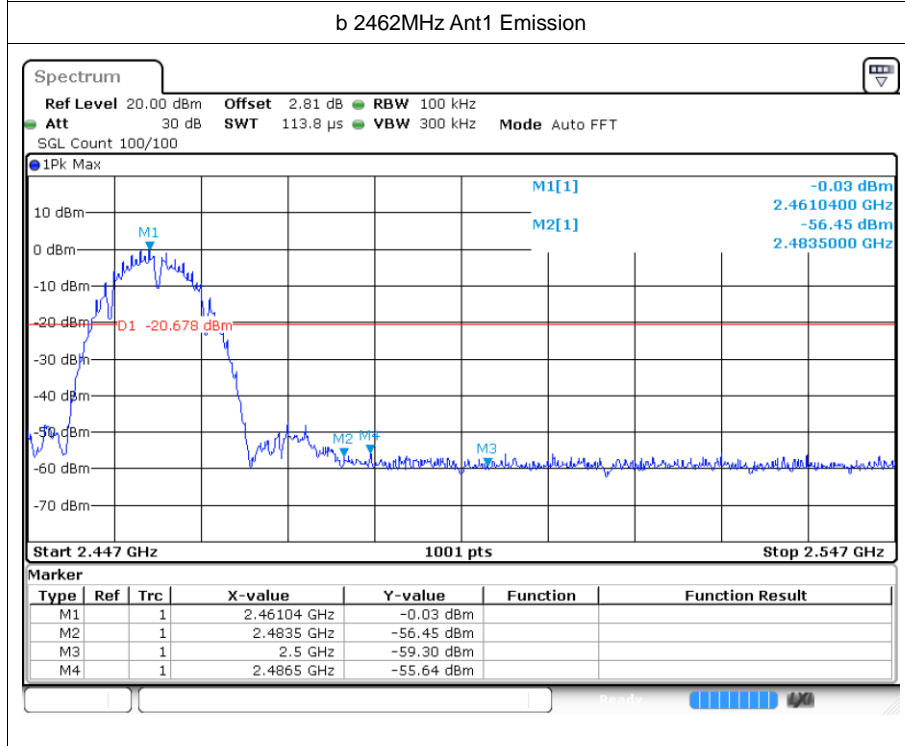
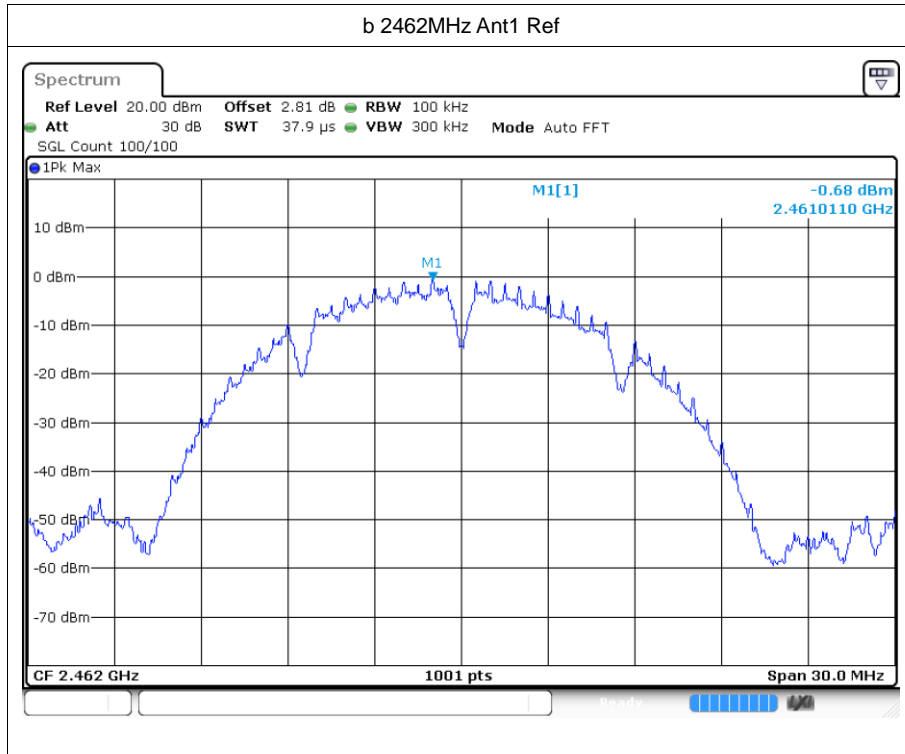
5 Band Edge

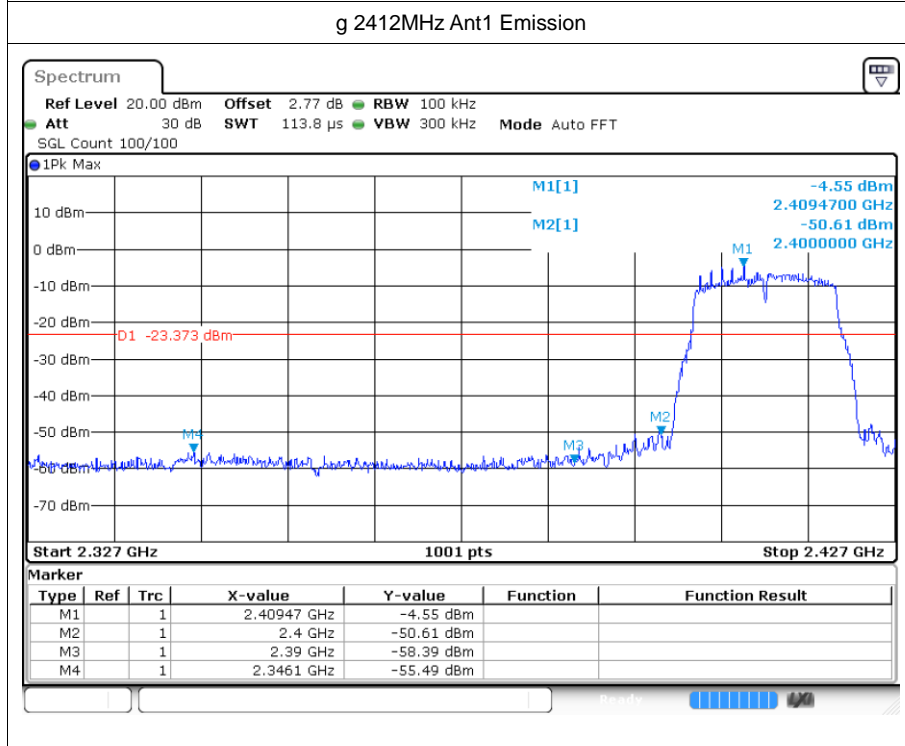
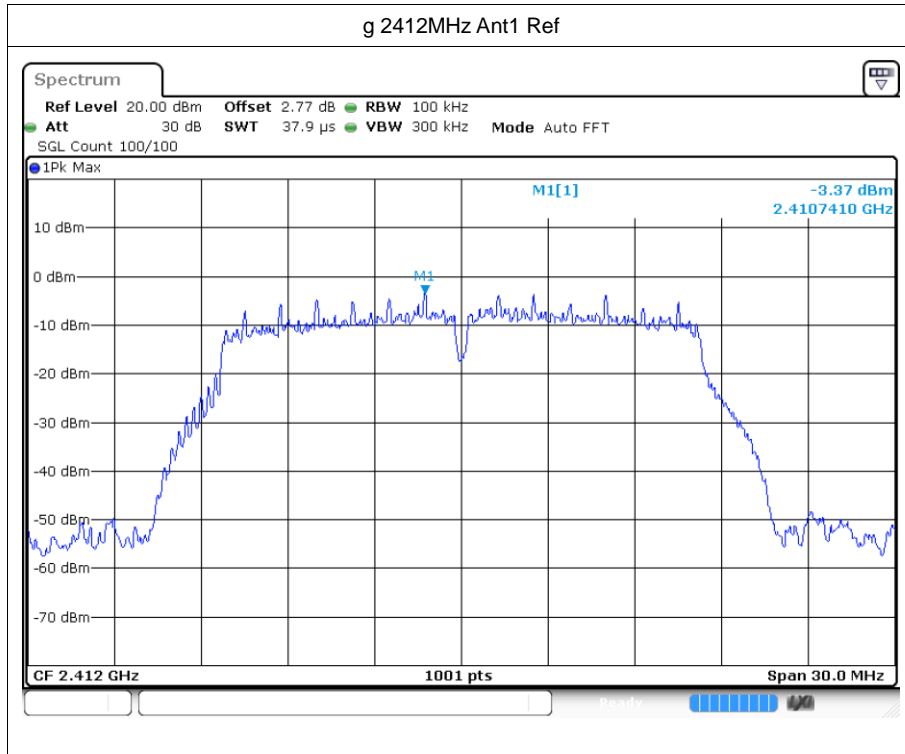
5.1 Test Result

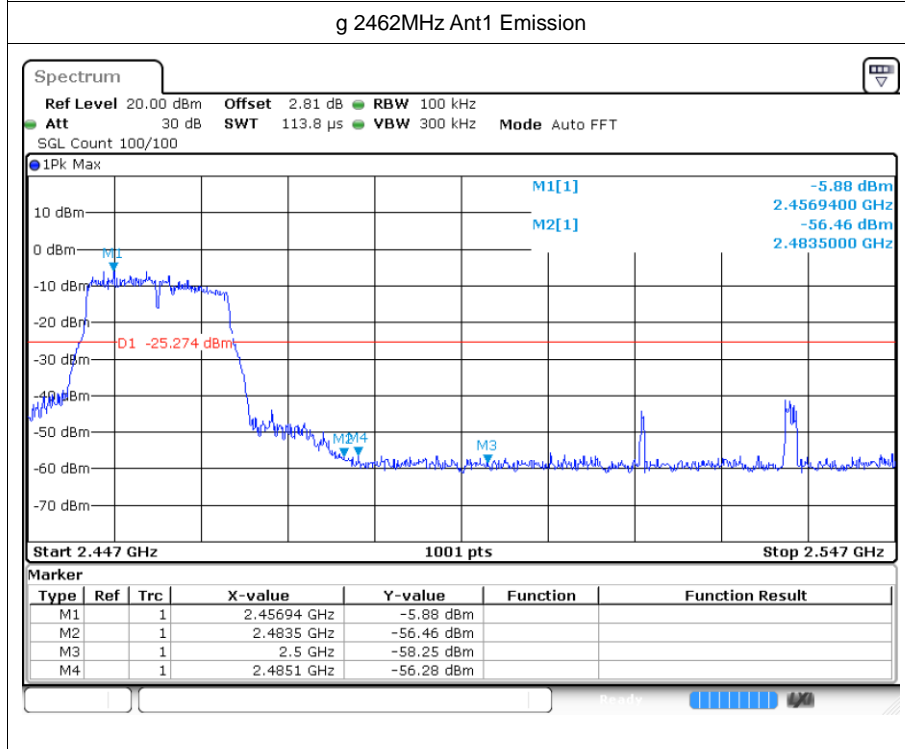
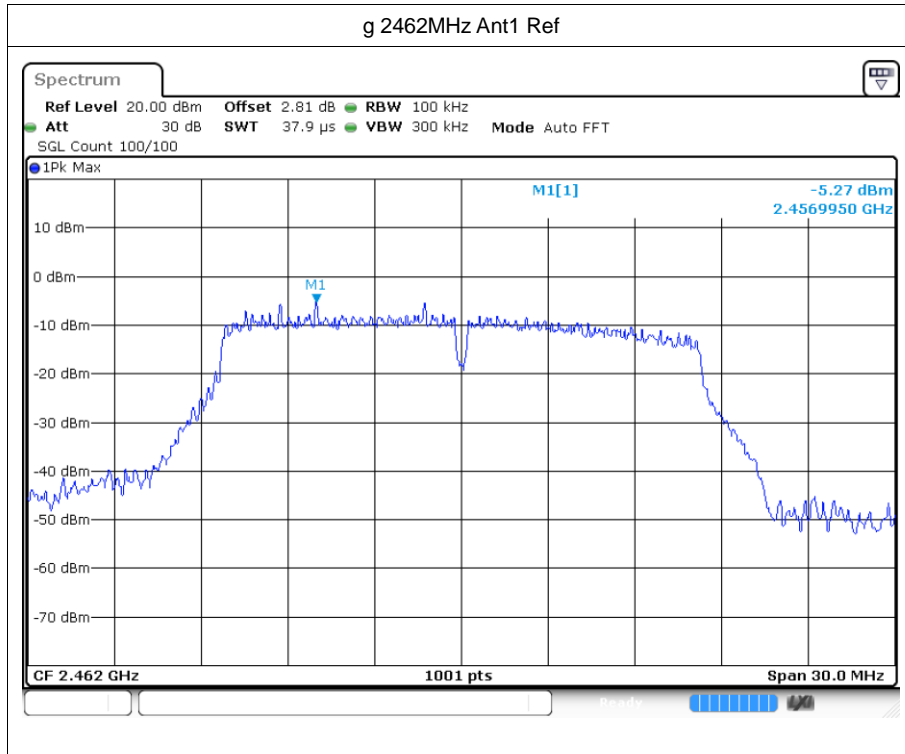
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-56.26	-20	Pass
b	2462	Ant1	-54.96	-20	Pass
g	2412	Ant1	-52.12	-20	Pass
g	2462	Ant1	-51.01	-20	Pass
n20	2412	Ant1	-51.32	-20	Pass
n20	2462	Ant1	-48.03	-20	Pass
n40	2422	Ant1	-48.1	-20	Pass
n40	2452	Ant1	-49.53	-20	Pass

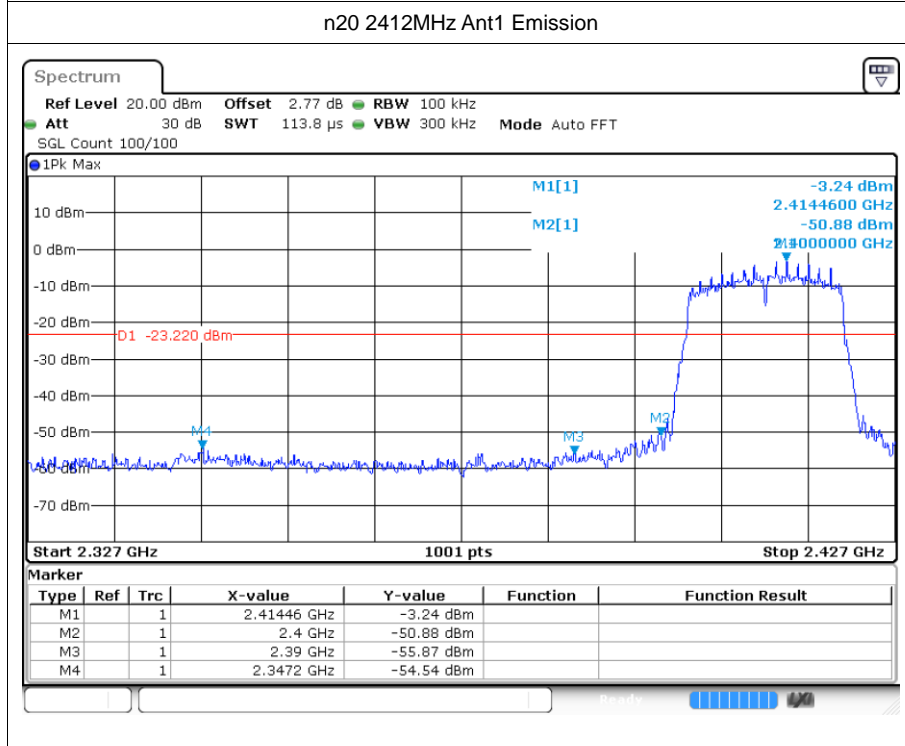
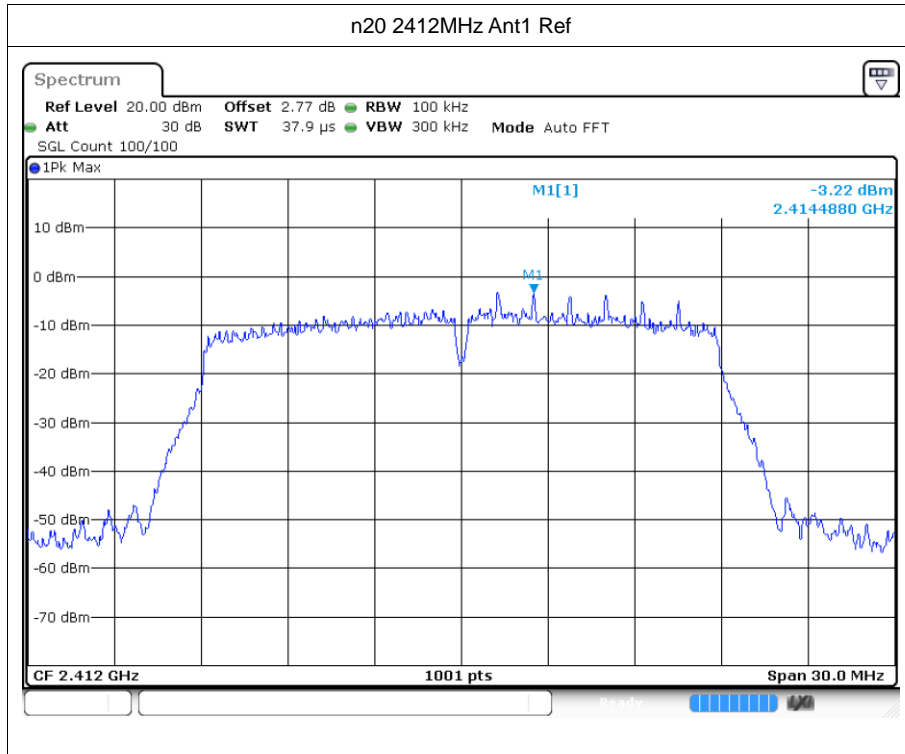
5.2 Test Graphs

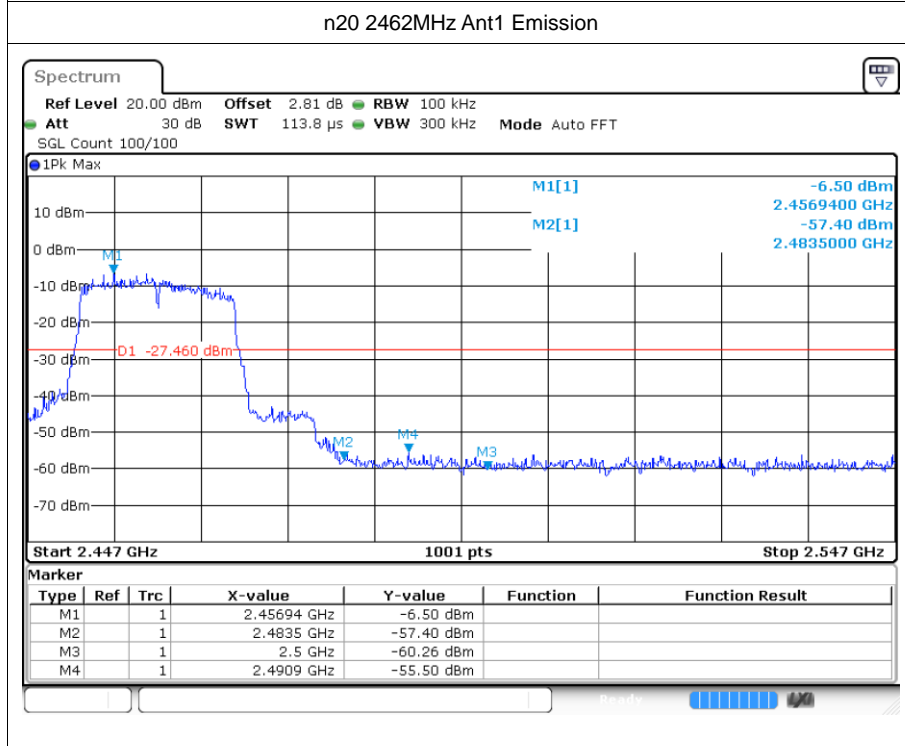
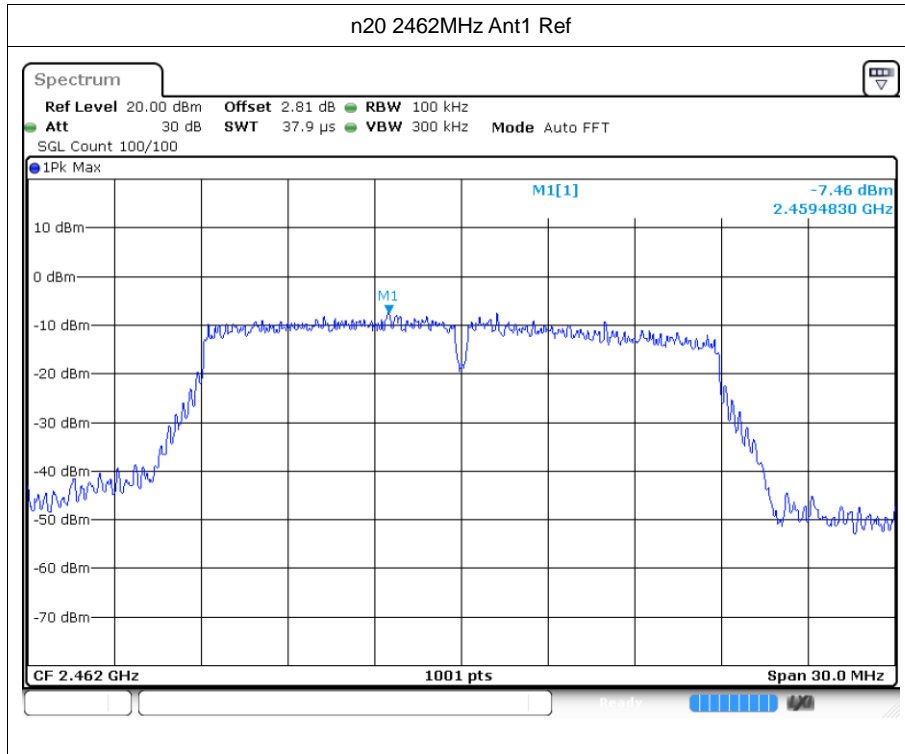


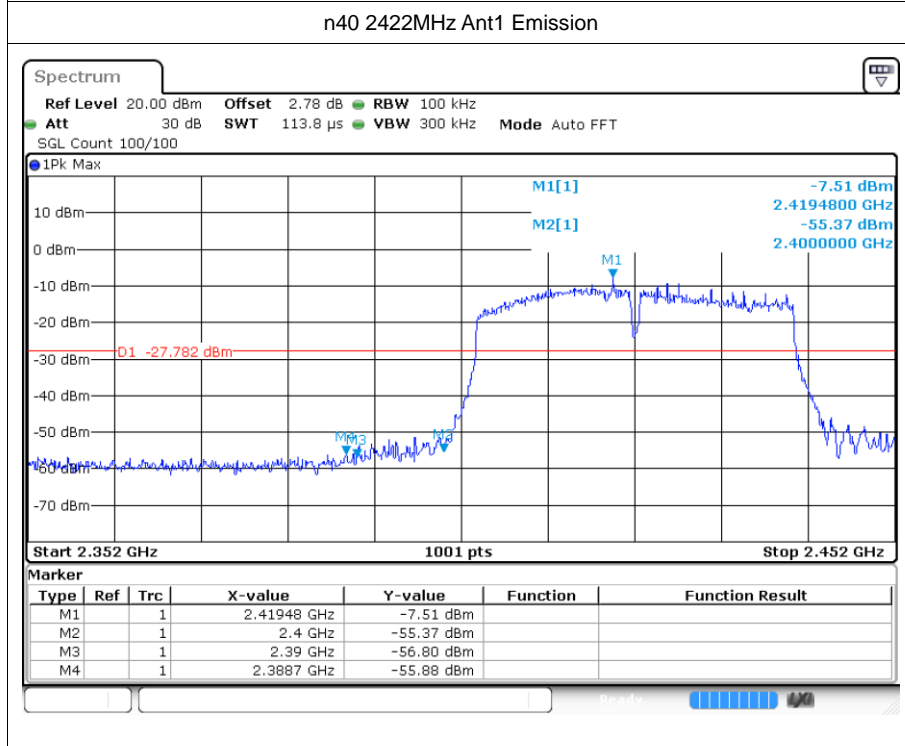
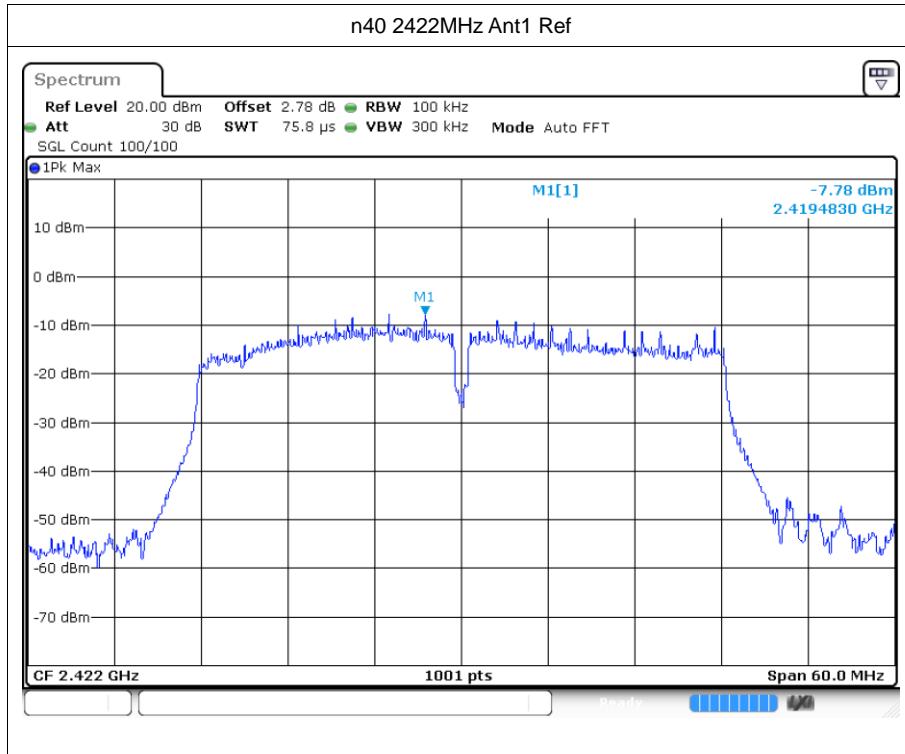


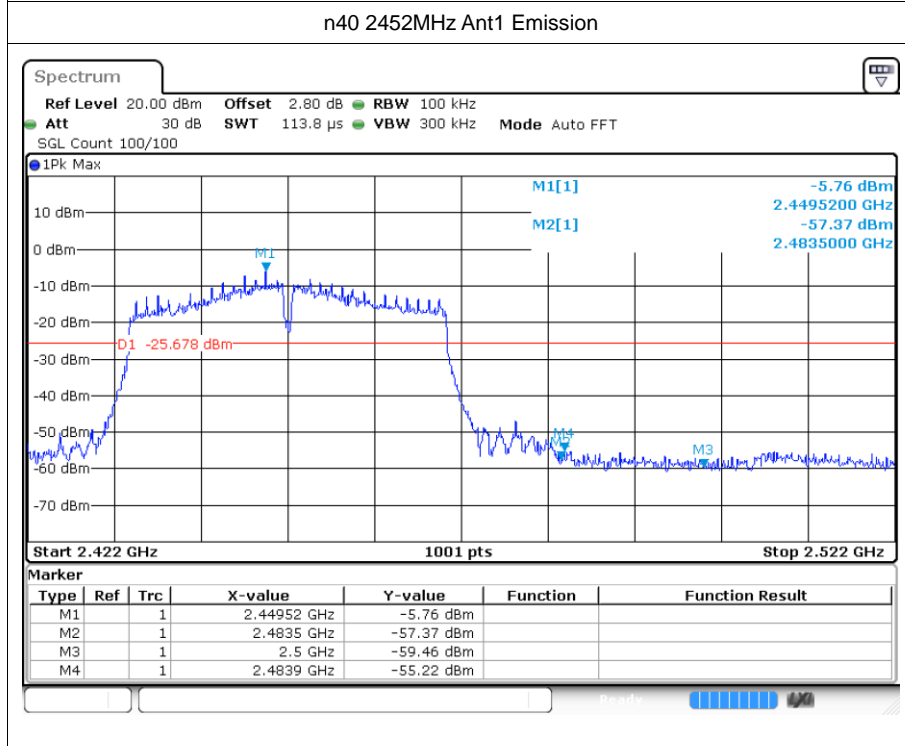
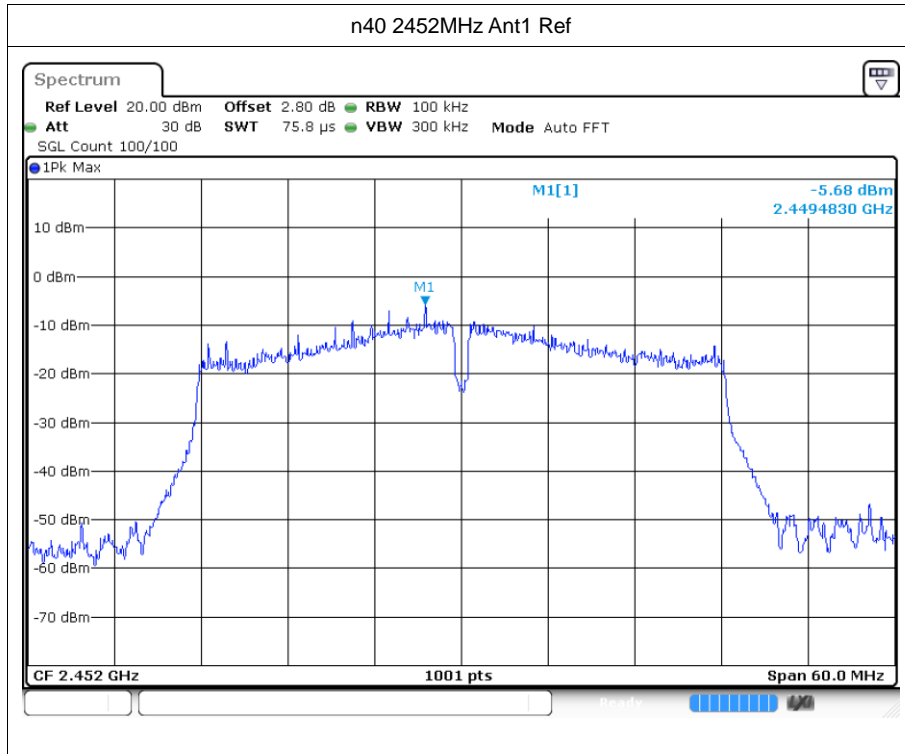












6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-42.91	-20	Pass
b	2437	Ant1	-42.69	-20	Pass
b	2462	Ant1	-42.49	-20	Pass
g	2412	Ant1	-38.14	-20	Pass
g	2437	Ant1	-38.68	-20	Pass
g	2462	Ant1	-28.24	-20	Pass
n20	2412	Ant1	-32.3	-20	Pass
n20	2437	Ant1	-30.99	-20	Pass
n20	2462	Ant1	-36.28	-20	Pass
n40	2422	Ant1	-33.81	-20	Pass
n40	2437	Ant1	-35.22	-20	Pass
n40	2452	Ant1	-35.91	-20	Pass

6.2 Test Graphs

