



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: BOSMA Digital Camera

Trade Mark: BOSMA

Test Model: VEGA H2

Environmental Conditions

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



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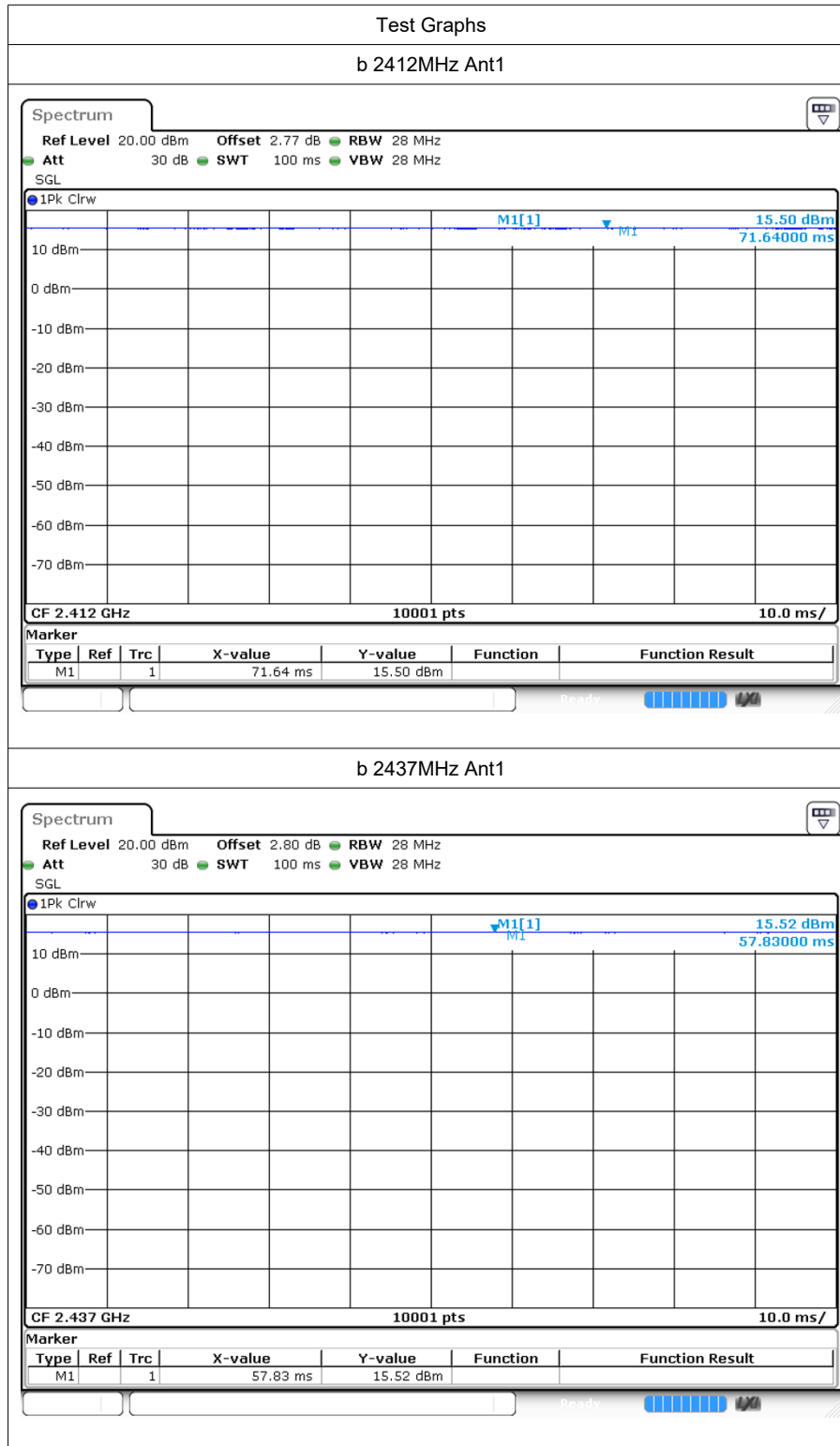


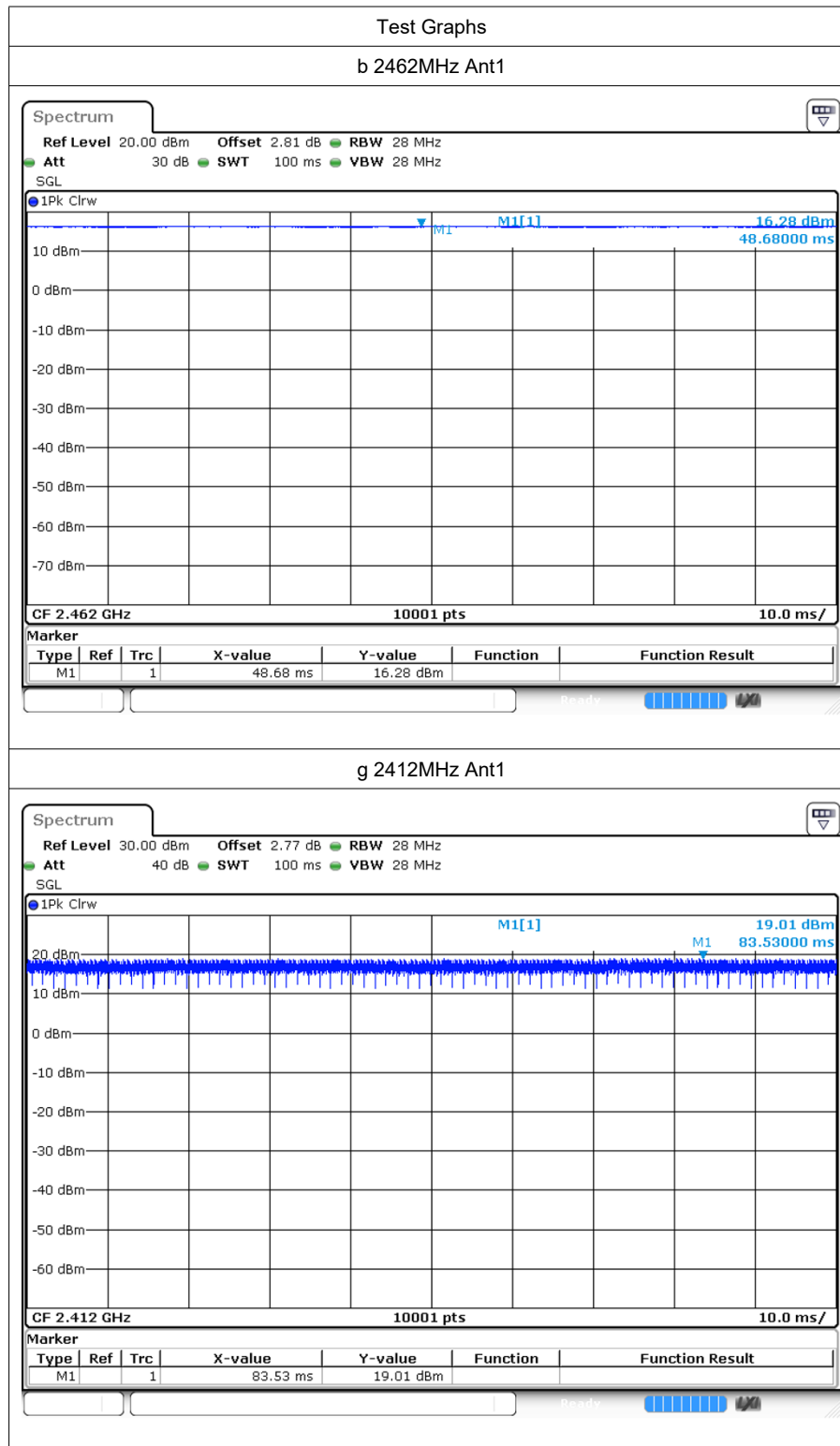
1 Duty Cycle

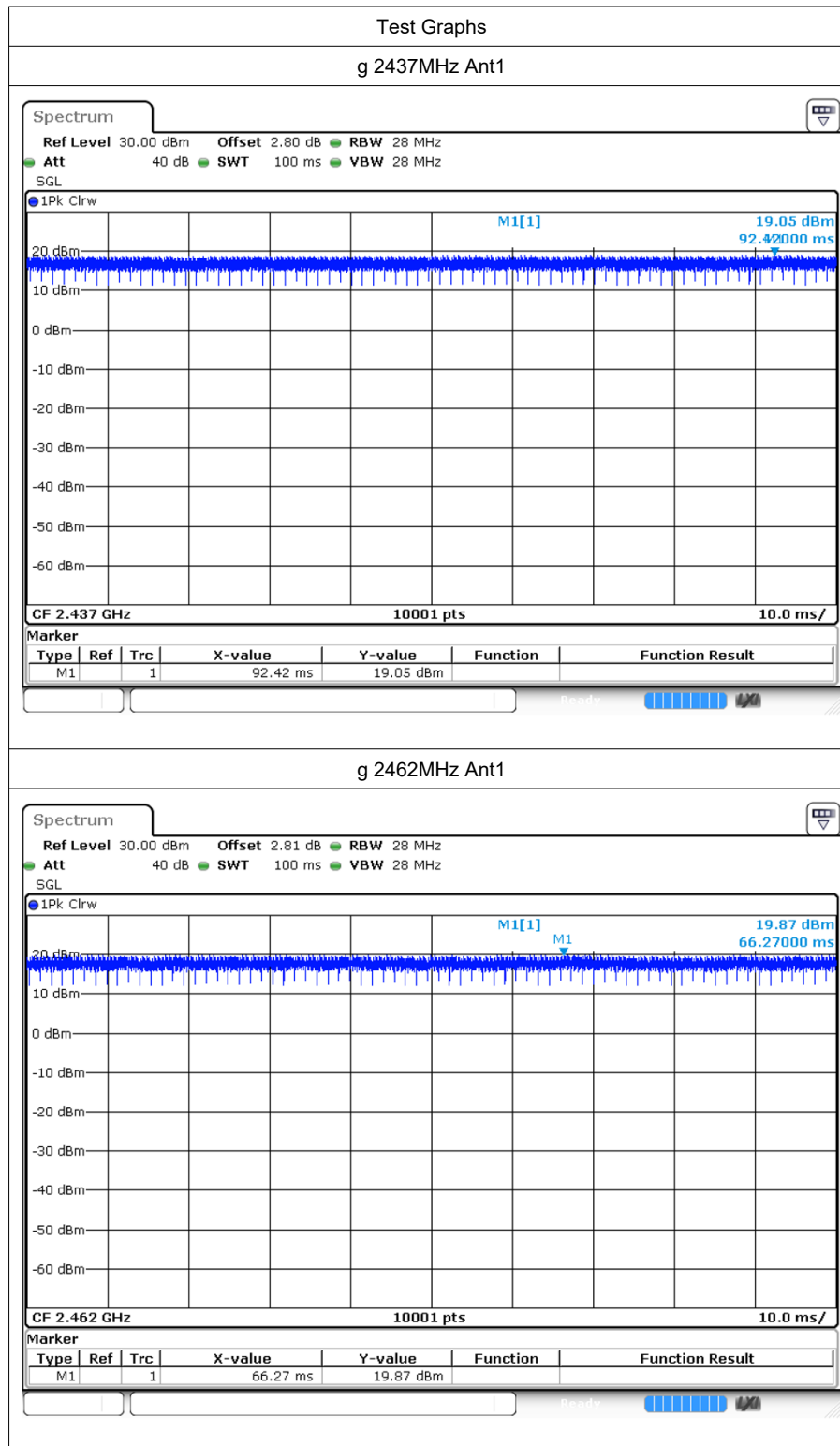
1.1 Test Result

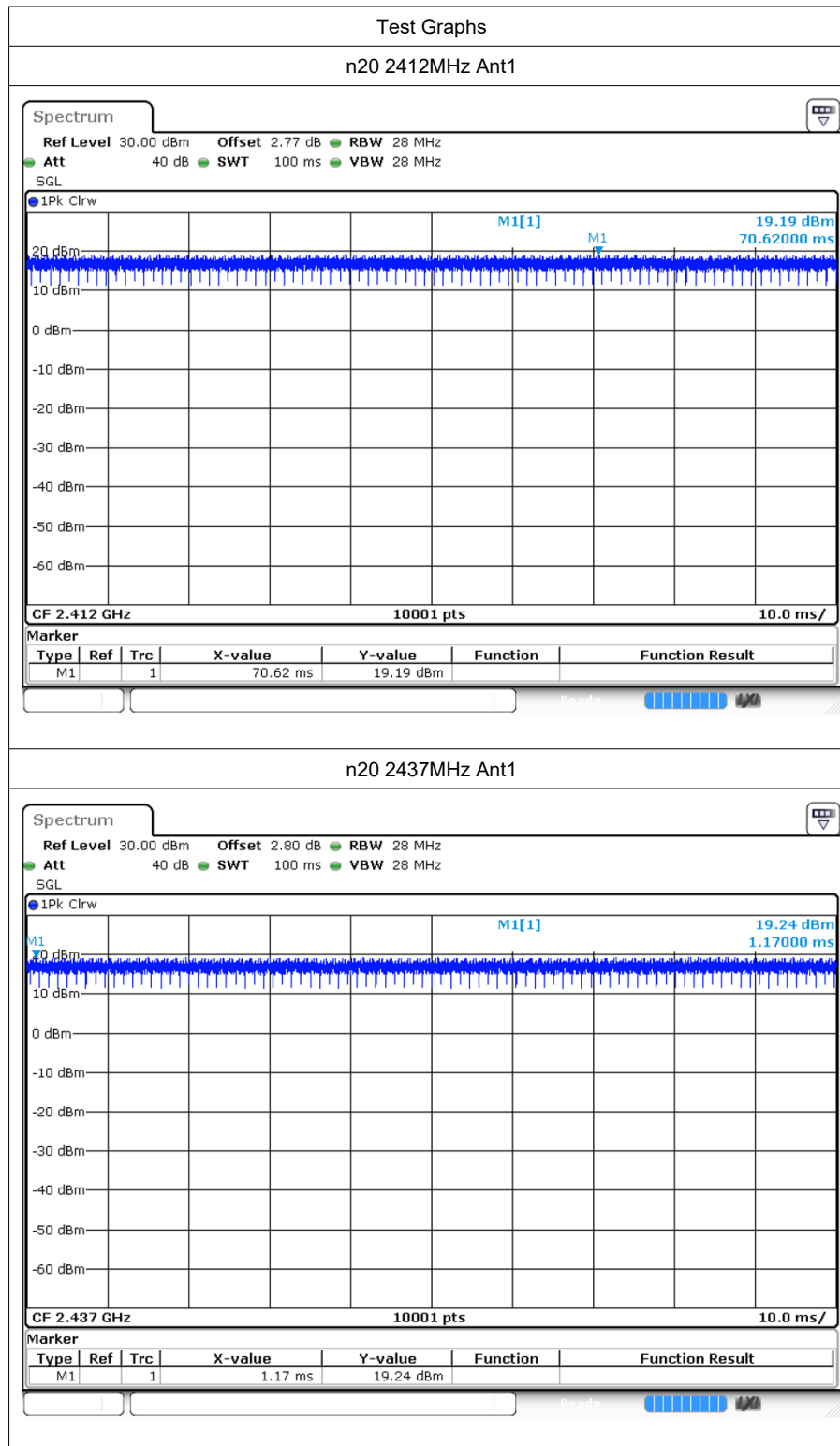
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	100	0	0
b	2437	Ant1	100	0	0
b	2462	Ant1	100	0	0
g	2412	Ant1	100	0	0
g	2437	Ant1	100	0	0
g	2462	Ant1	100	0	0
n20	2412	Ant1	100	0	0
n20	2437	Ant1	100	0	0
n20	2462	Ant1	100	0	0
n40	2422	Ant1	100	0	0
n40	2437	Ant1	100	0	0
n40	2452	Ant1	100	0	0
ax20	2412	Ant1	100	0	0
ax20	2437	Ant1	100	0	0
ax20	2462	Ant1	100	0	0
ax40	2422	Ant1	100	0	0
ax40	2437	Ant1	100	0	0
ax40	2452	Ant1	100	0	0

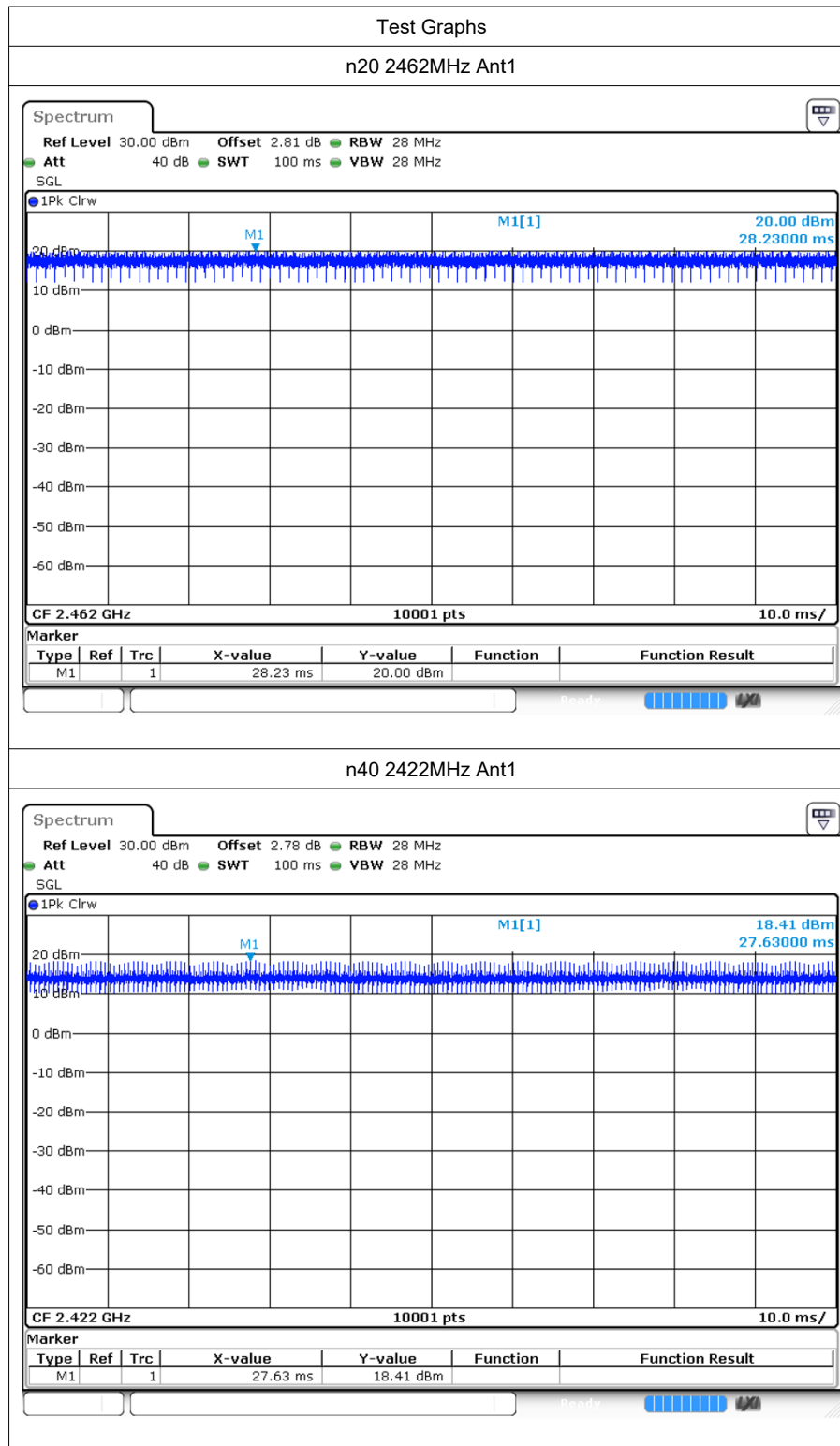
1.2 Test Graphs

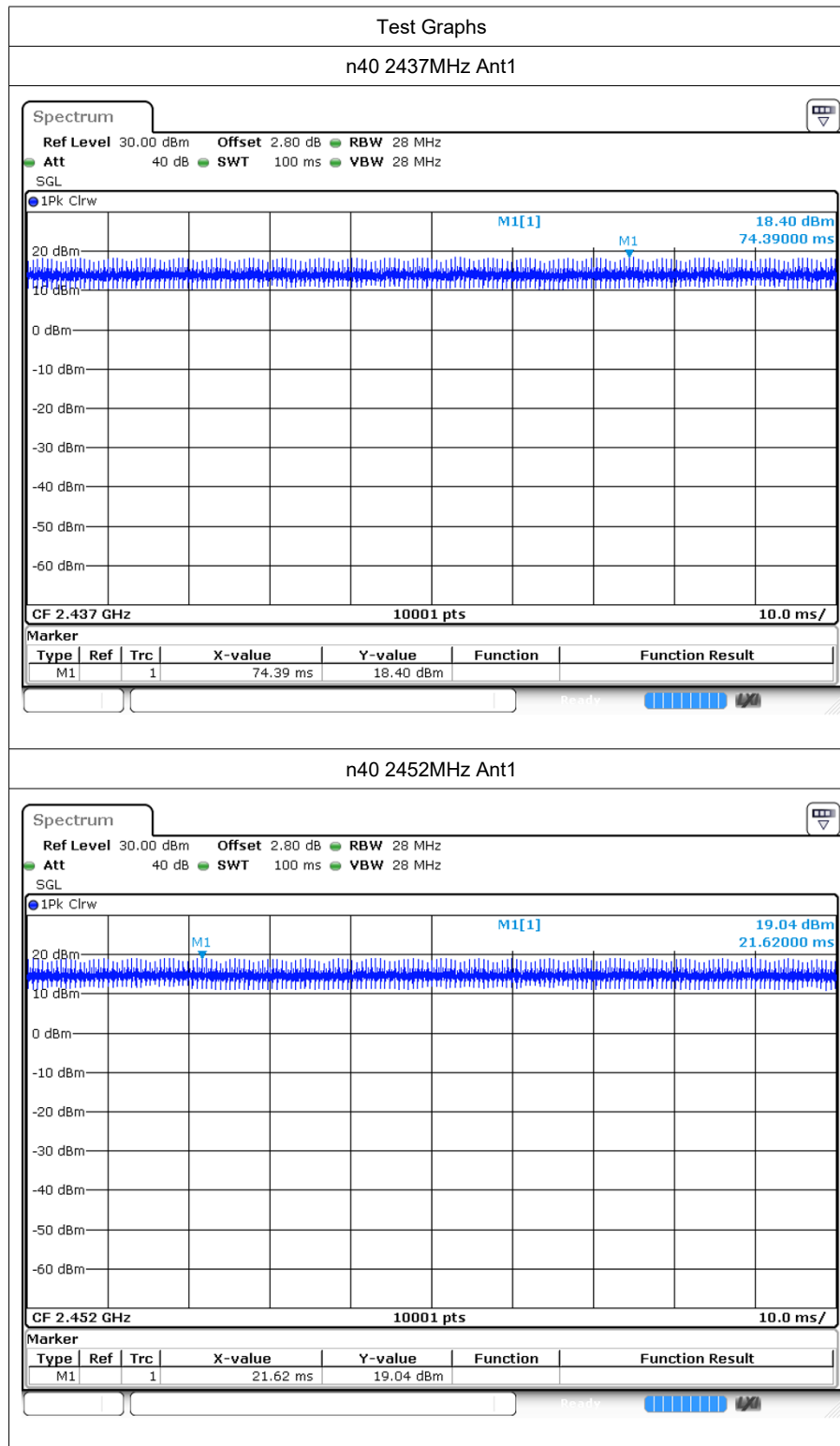


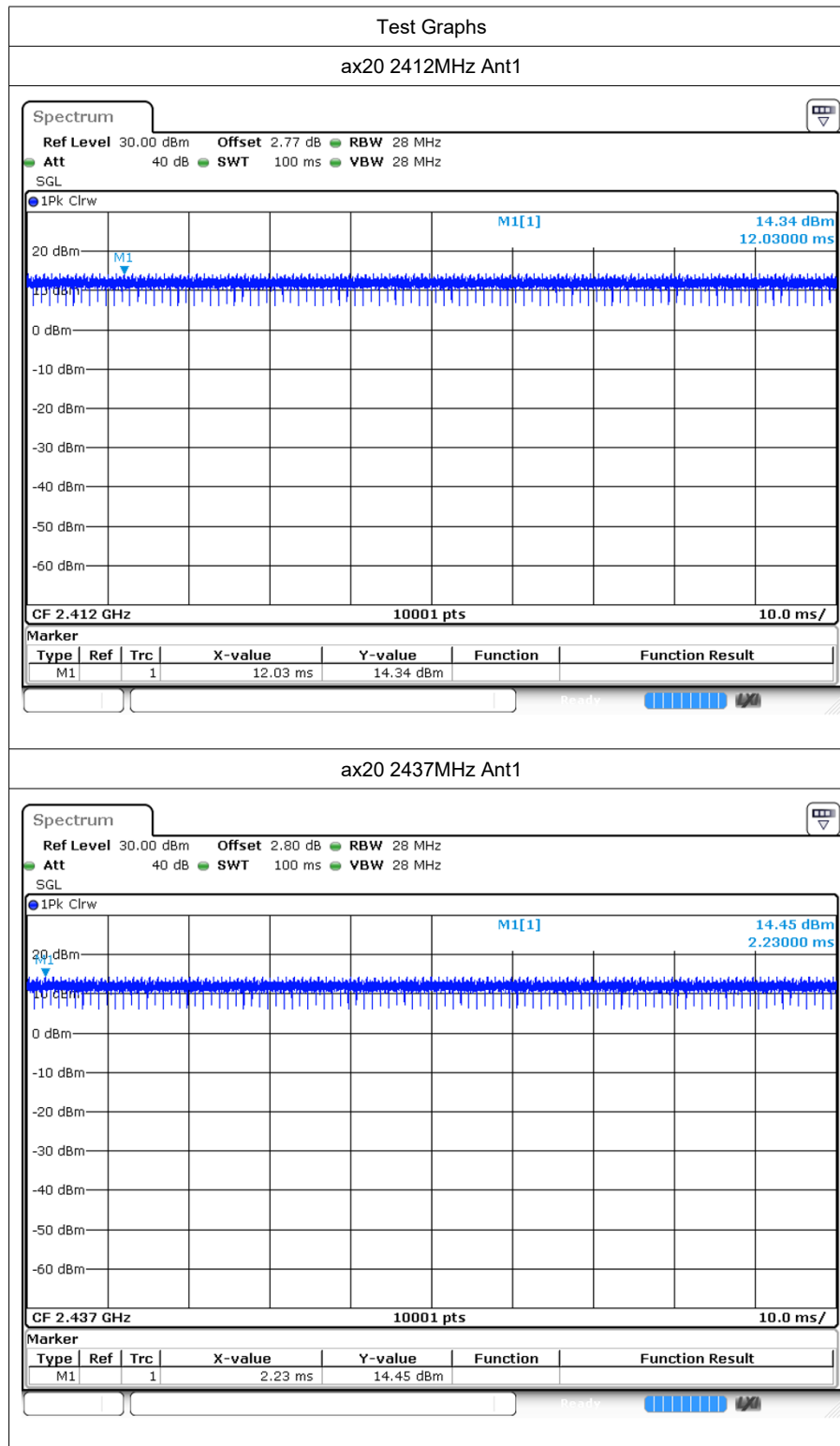


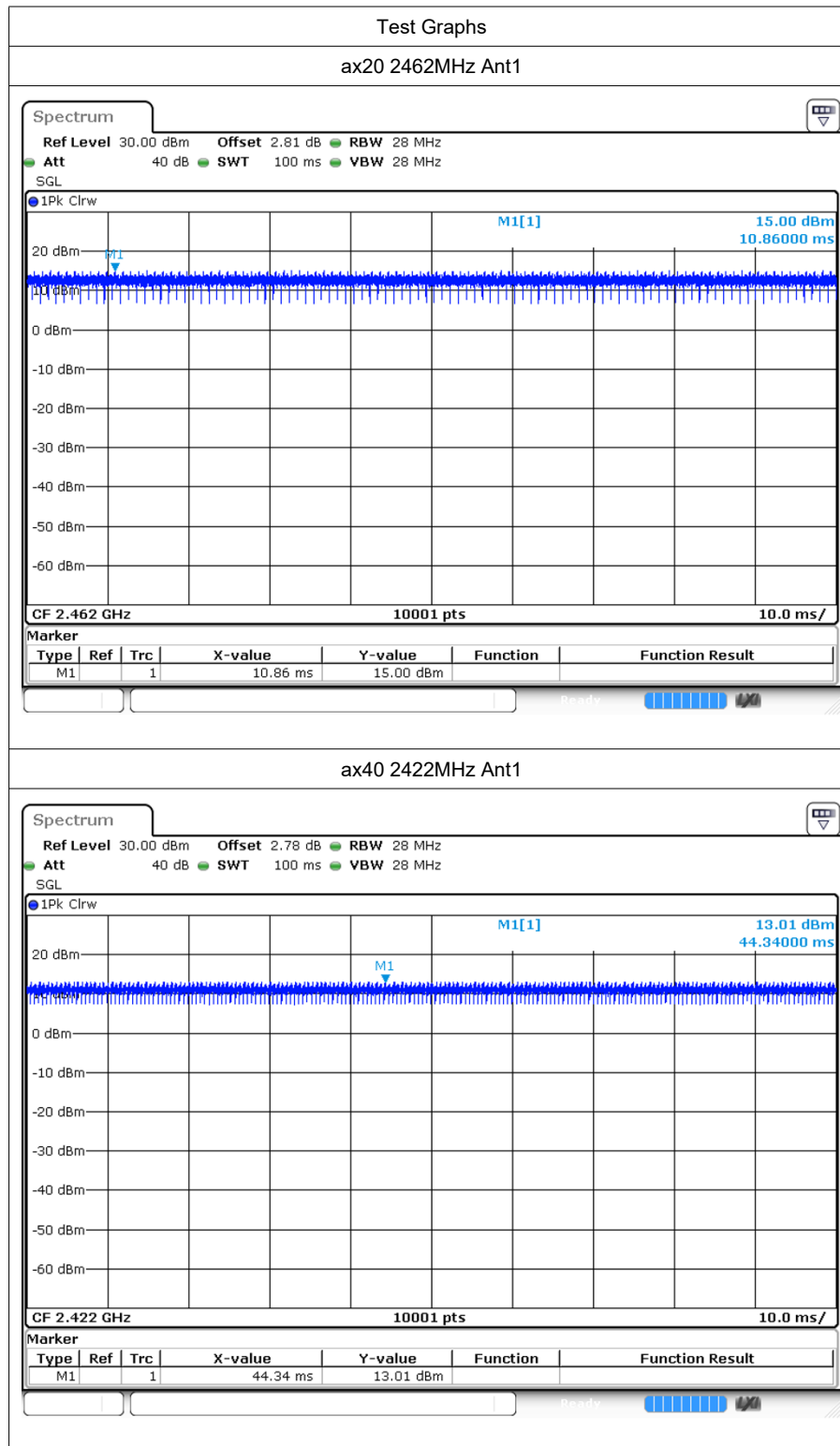


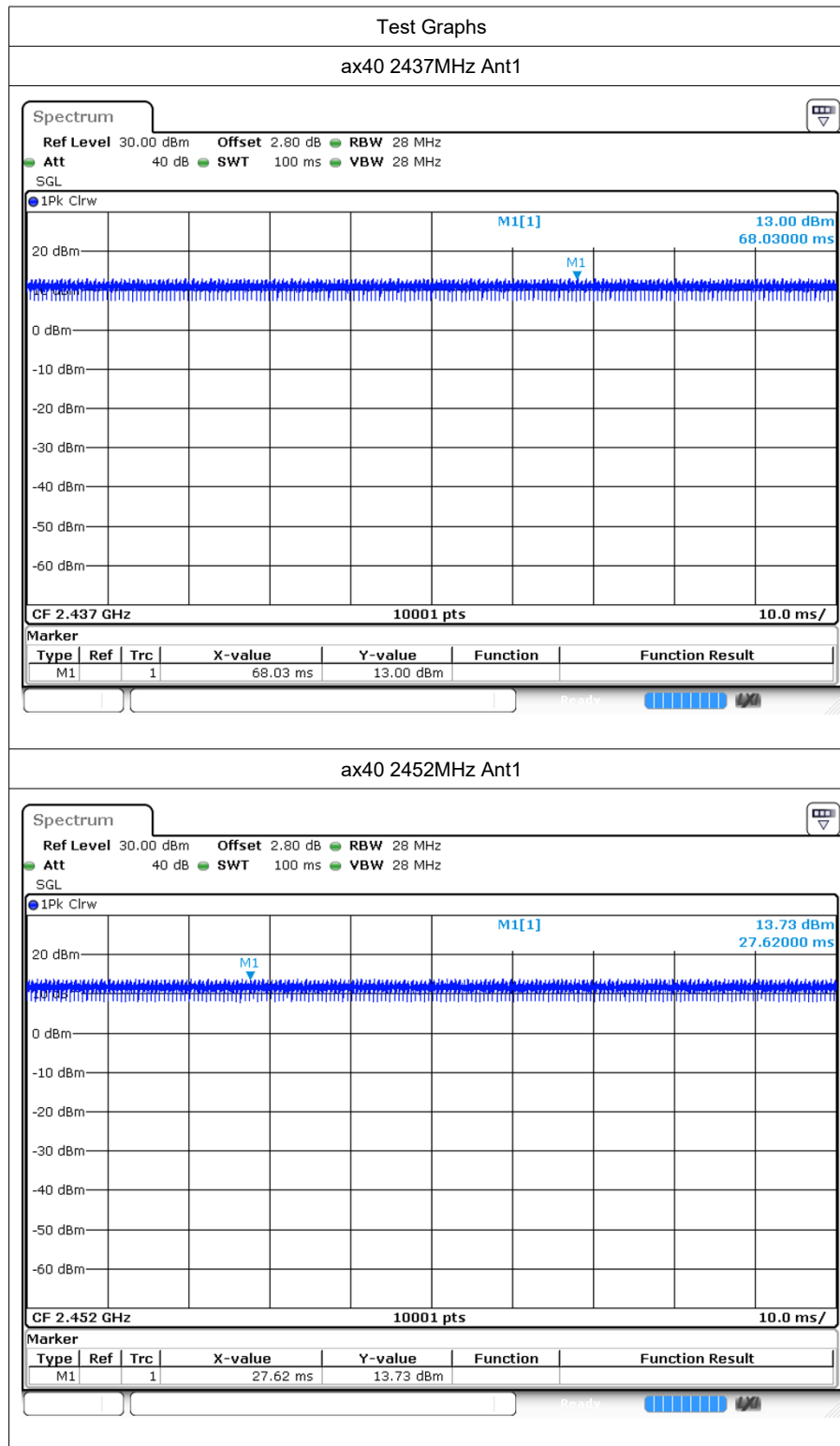












2 Maximum Conducted Output Power

2.1 Test Result

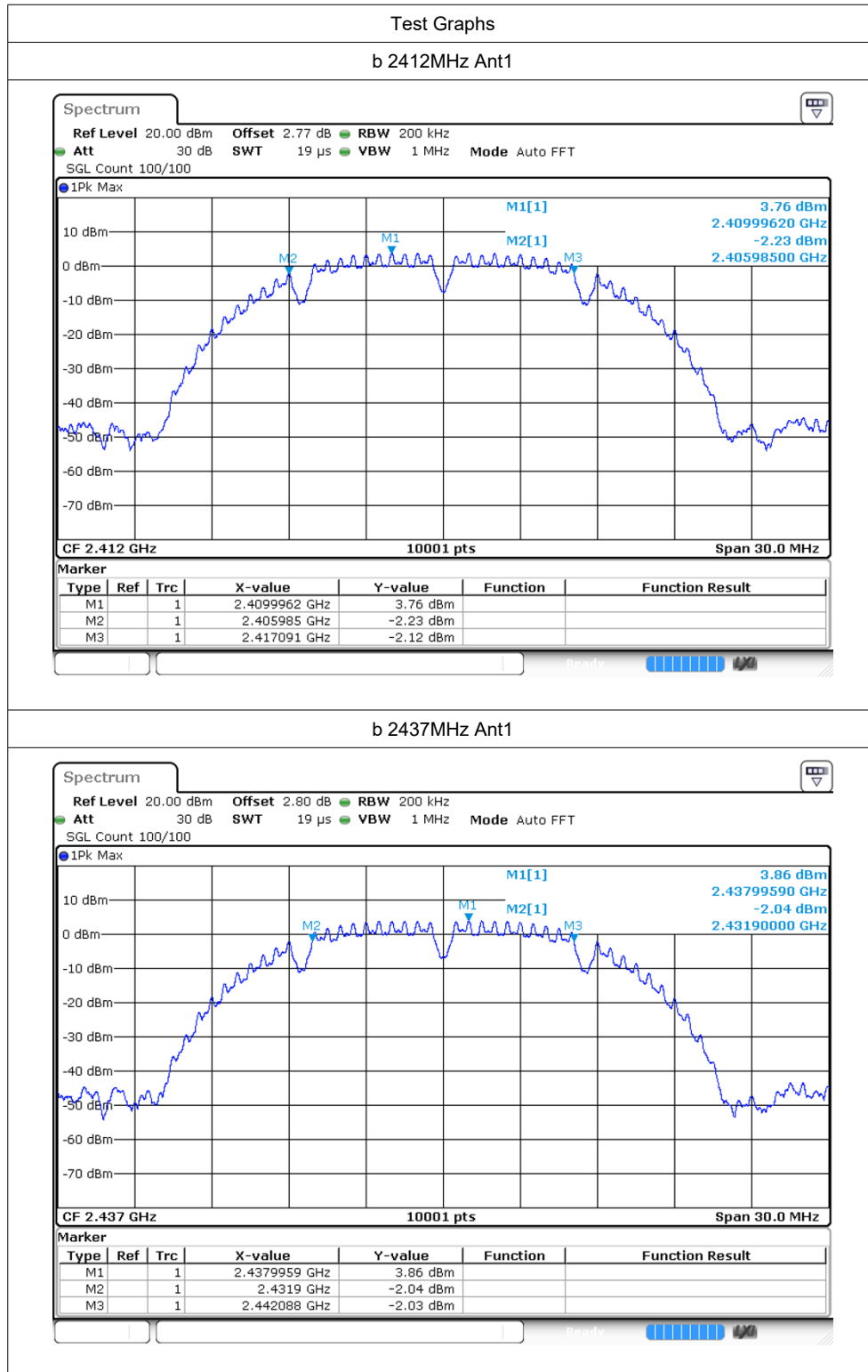
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	17.51	30	Pass
b	2437	Ant1	17.44	30	Pass
b	2462	Ant1	18.18	30	Pass
g	2412	Ant1	15.31	30	Pass
g	2437	Ant1	15.28	30	Pass
g	2462	Ant1	16.14	30	Pass
n20	2412	Ant1	15.35	30	Pass
n20	2437	Ant1	15.33	30	Pass
n20	2462	Ant1	16.13	30	Pass
n40	2422	Ant1	14.87	30	Pass
n40	2437	Ant1	14.79	30	Pass
n40	2452	Ant1	15.55	30	Pass
ax20	2412	Ant1	12.45	30	Pass
ax20	2437	Ant1	12.5	30	Pass
ax20	2462	Ant1	12.99	30	Pass
ax40	2422	Ant1	12.51	30	Pass
ax40	2437	Ant1	12.45	30	Pass
ax40	2452	Ant1	13.18	30	Pass

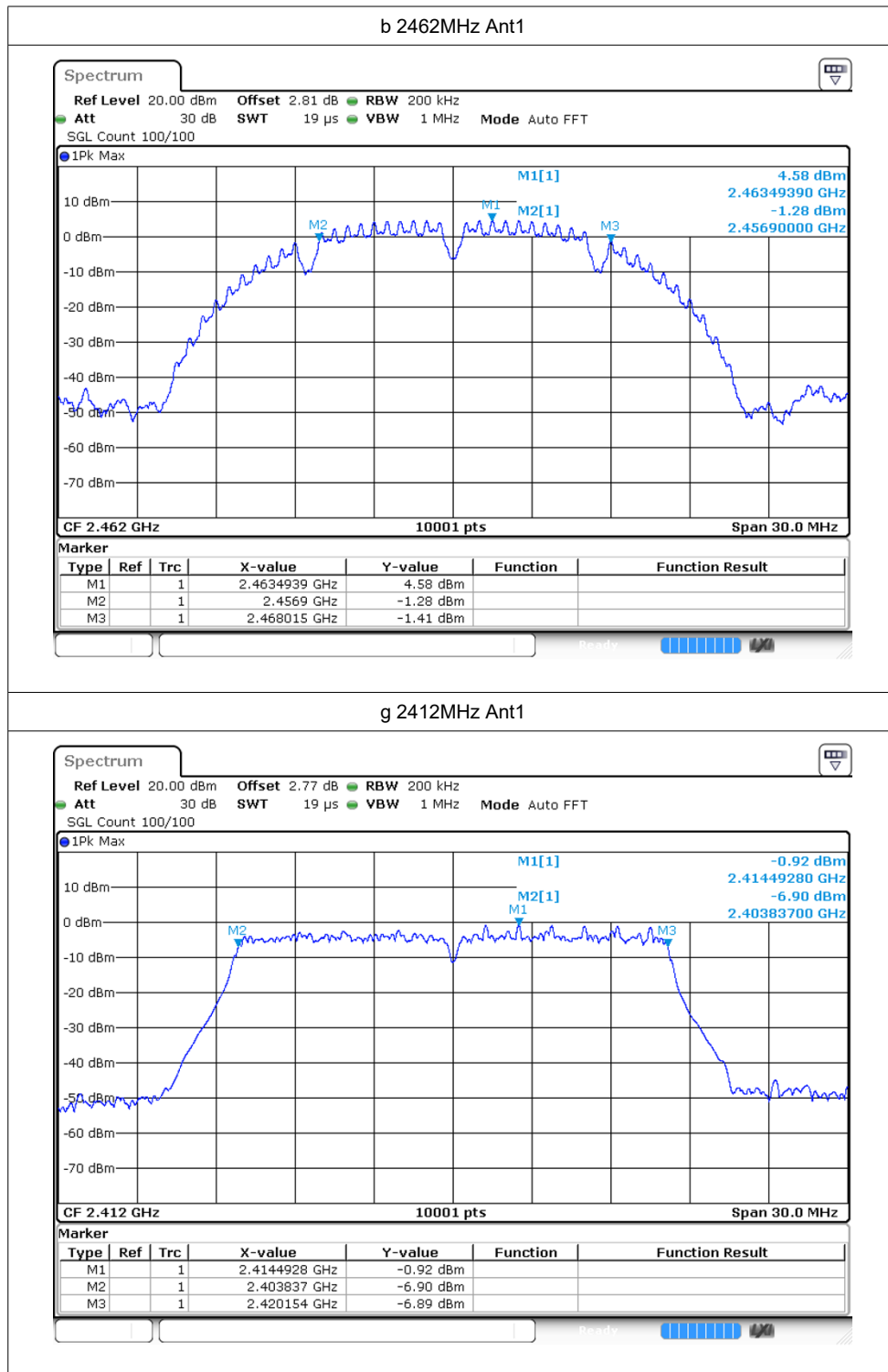
3 -6dB Bandwidth

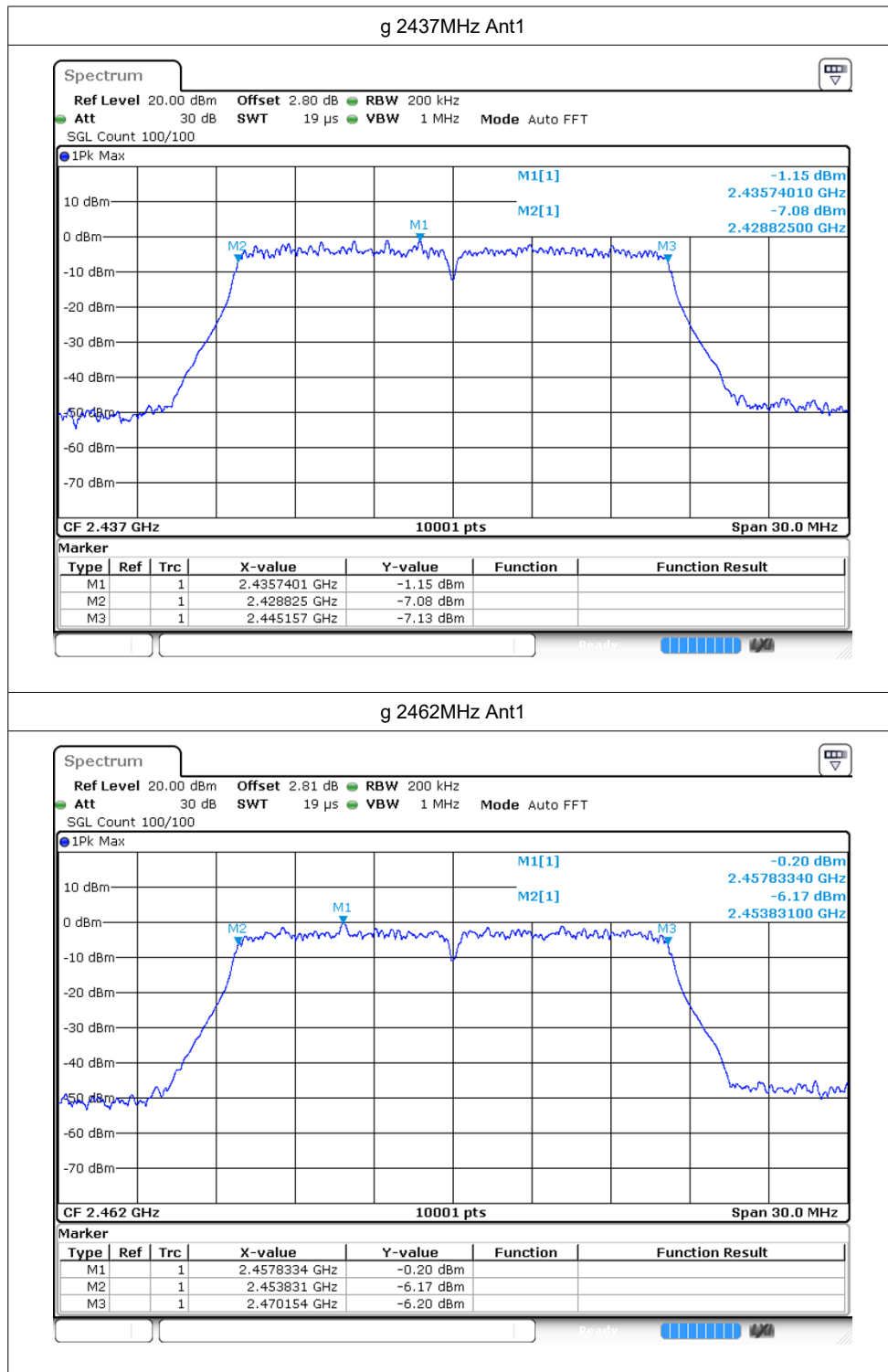
3.1 Test Result

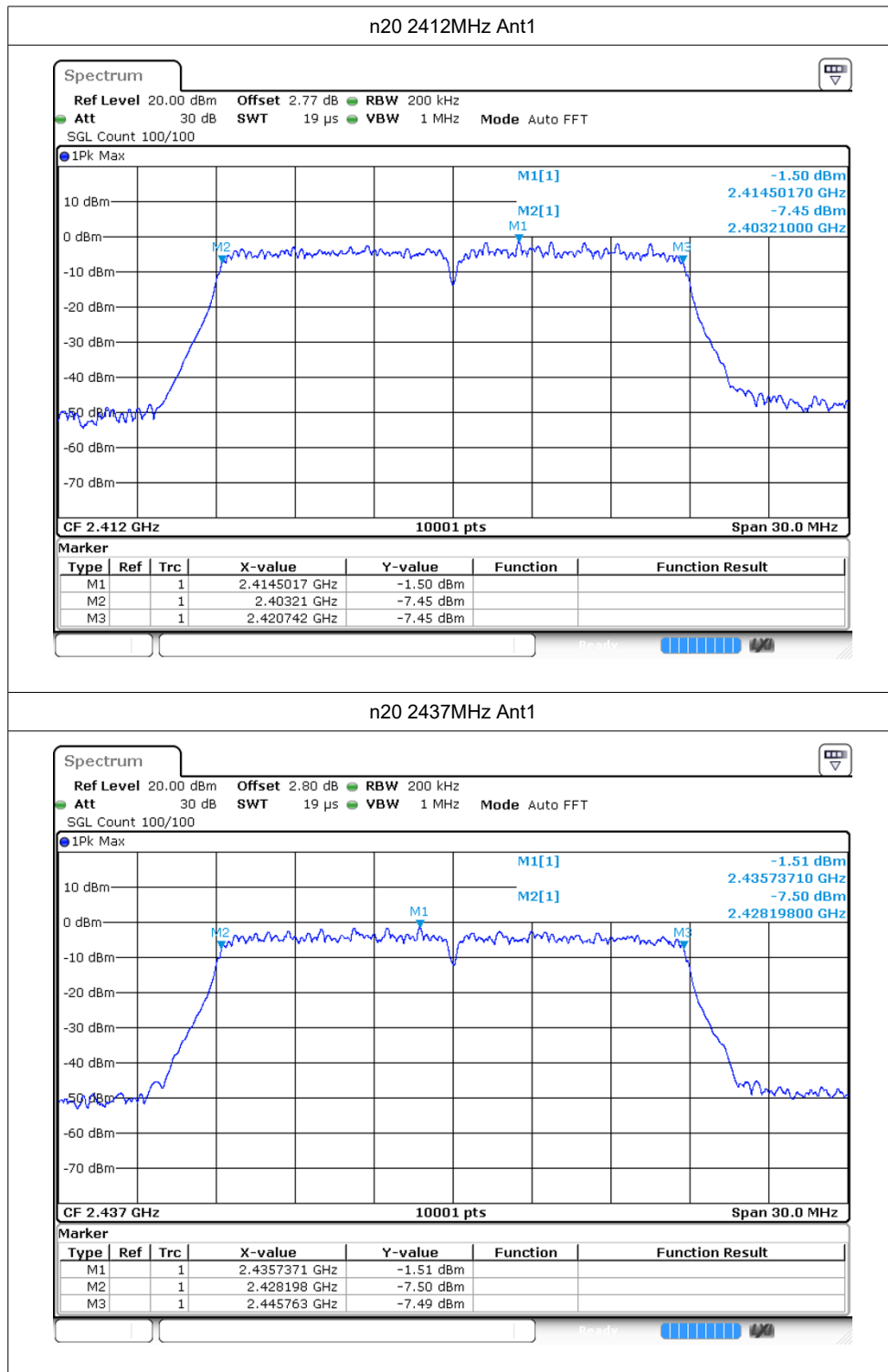
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	11.106	0.5	Pass
b	2437	Ant1	10.188	0.5	Pass
b	2462	Ant1	11.115	0.5	Pass
g	2412	Ant1	16.317	0.5	Pass
g	2437	Ant1	16.332	0.5	Pass
g	2462	Ant1	16.323	0.5	Pass
n20	2412	Ant1	17.532	0.5	Pass
n20	2437	Ant1	17.565	0.5	Pass
n20	2462	Ant1	17.631	0.5	Pass
n40	2422	Ant1	36.3	0.5	Pass
n40	2437	Ant1	36.258	0.5	Pass
n40	2452	Ant1	36.288	0.5	Pass
ax20	2412	Ant1	18.981	0.5	Pass
ax20	2437	Ant1	18.795	0.5	Pass
ax20	2462	Ant1	19.032	0.5	Pass
ax40	2422	Ant1	37.86	0.5	Pass
ax40	2437	Ant1	37.686	0.5	Pass
ax40	2452	Ant1	37.176	0.5	Pass

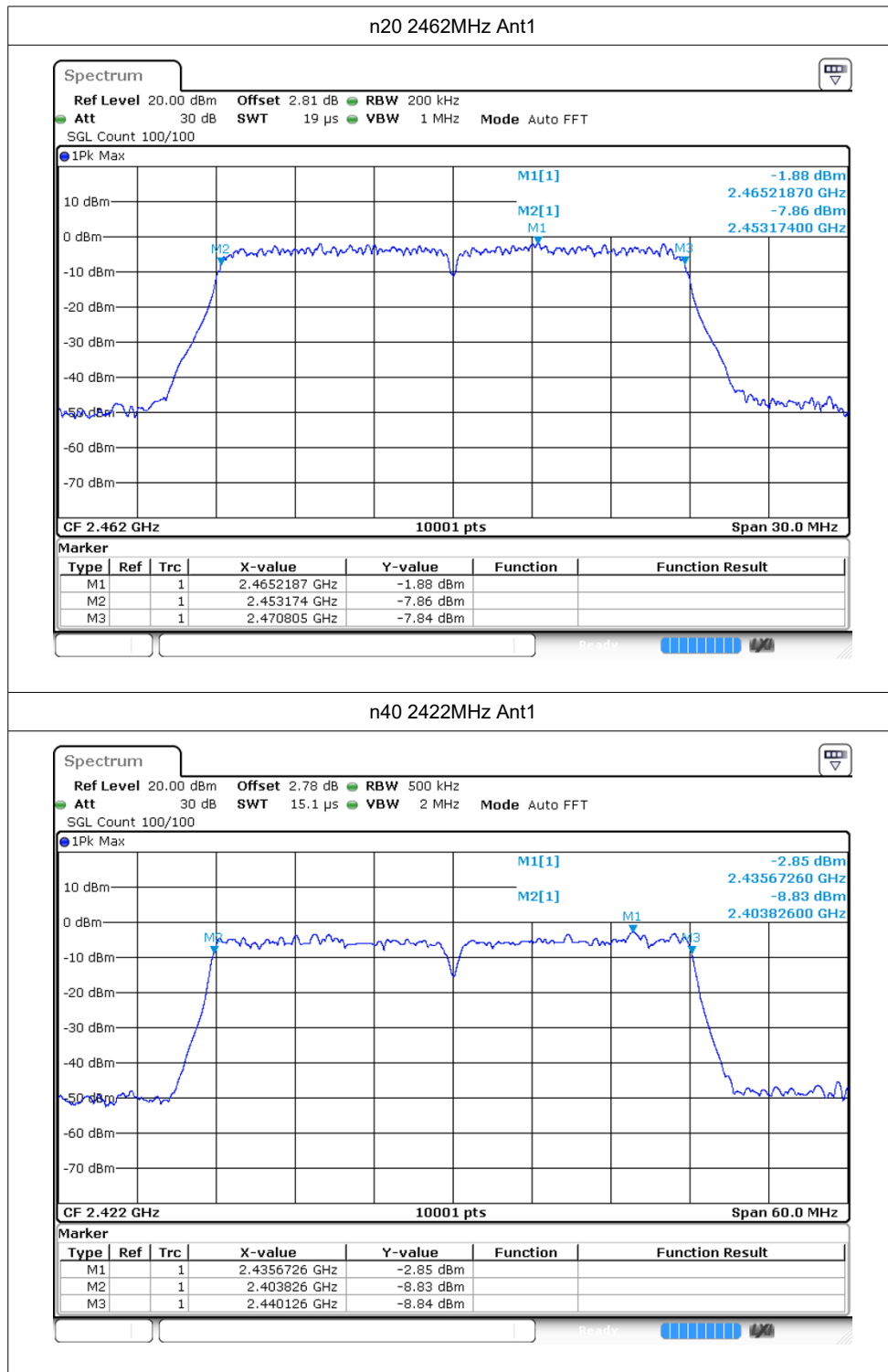
3.2 Test Graphs

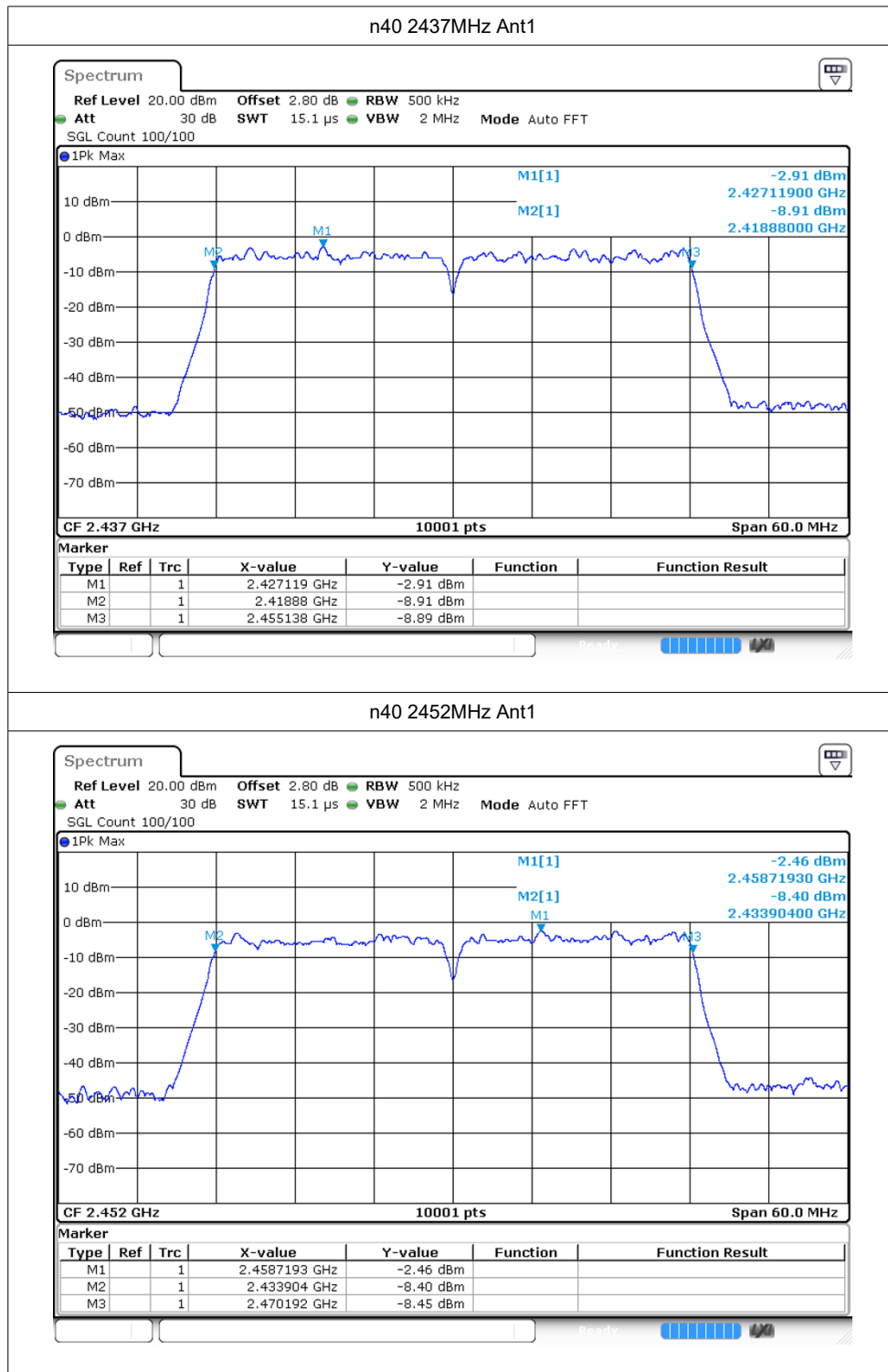


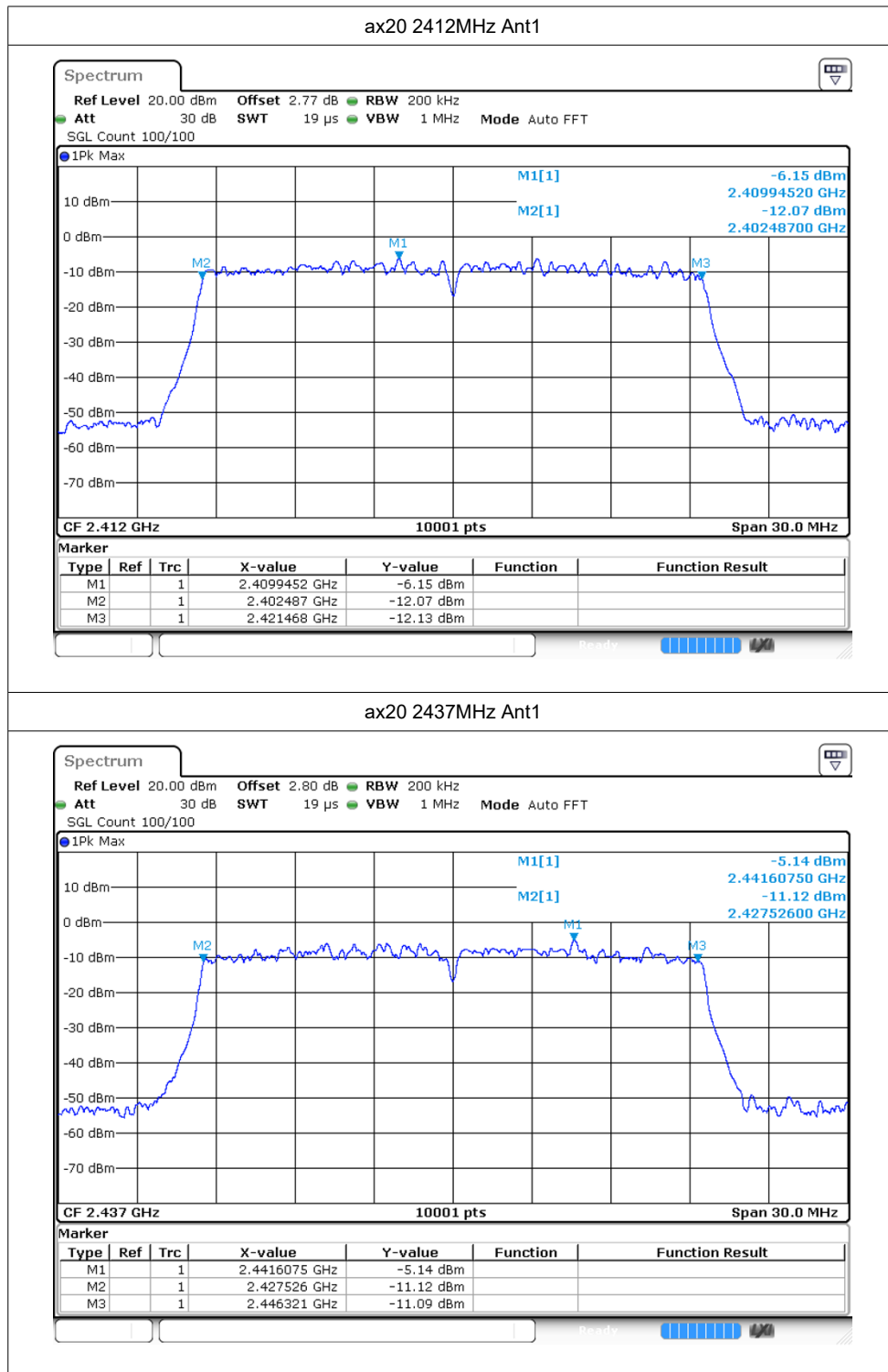


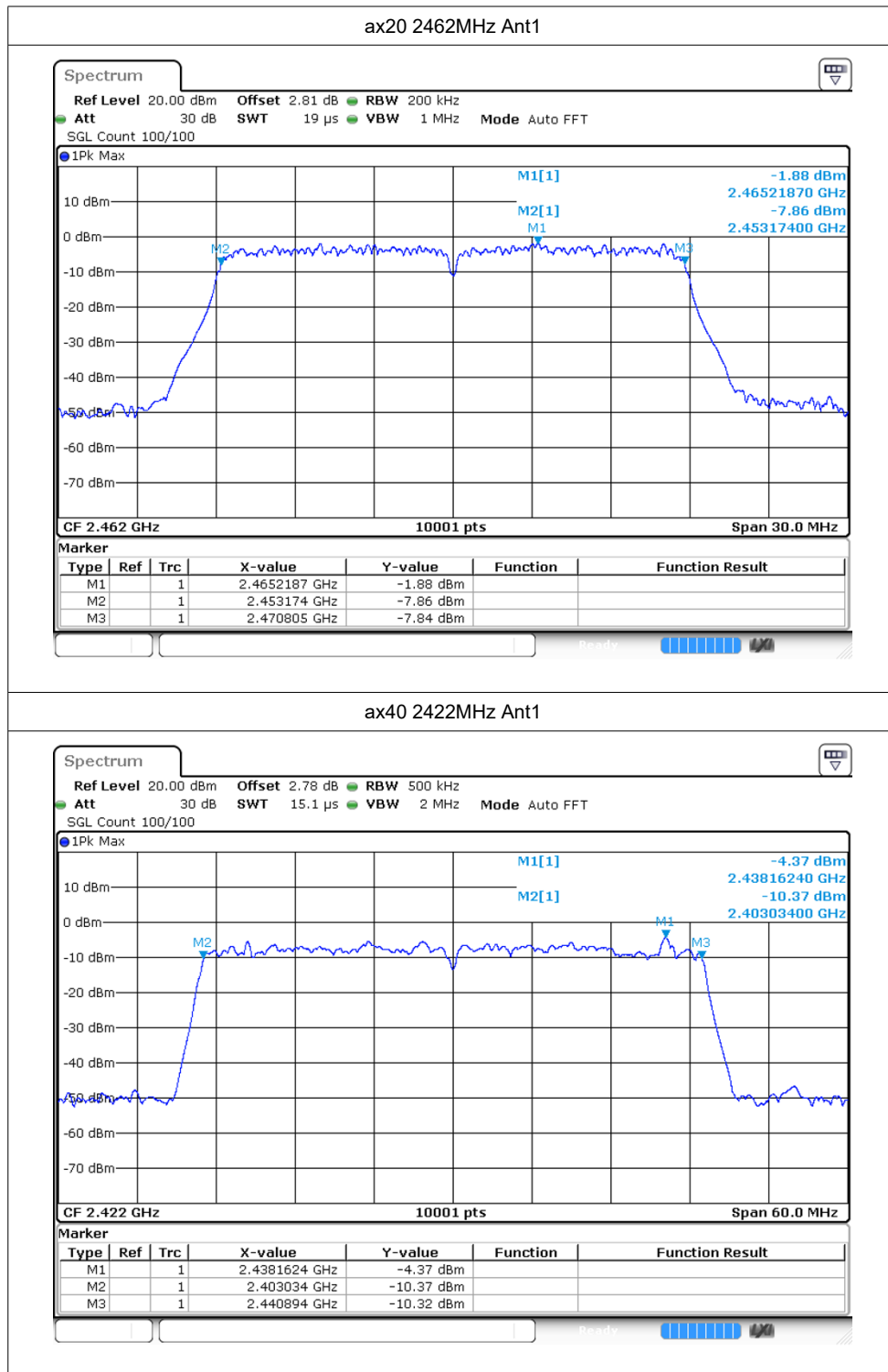


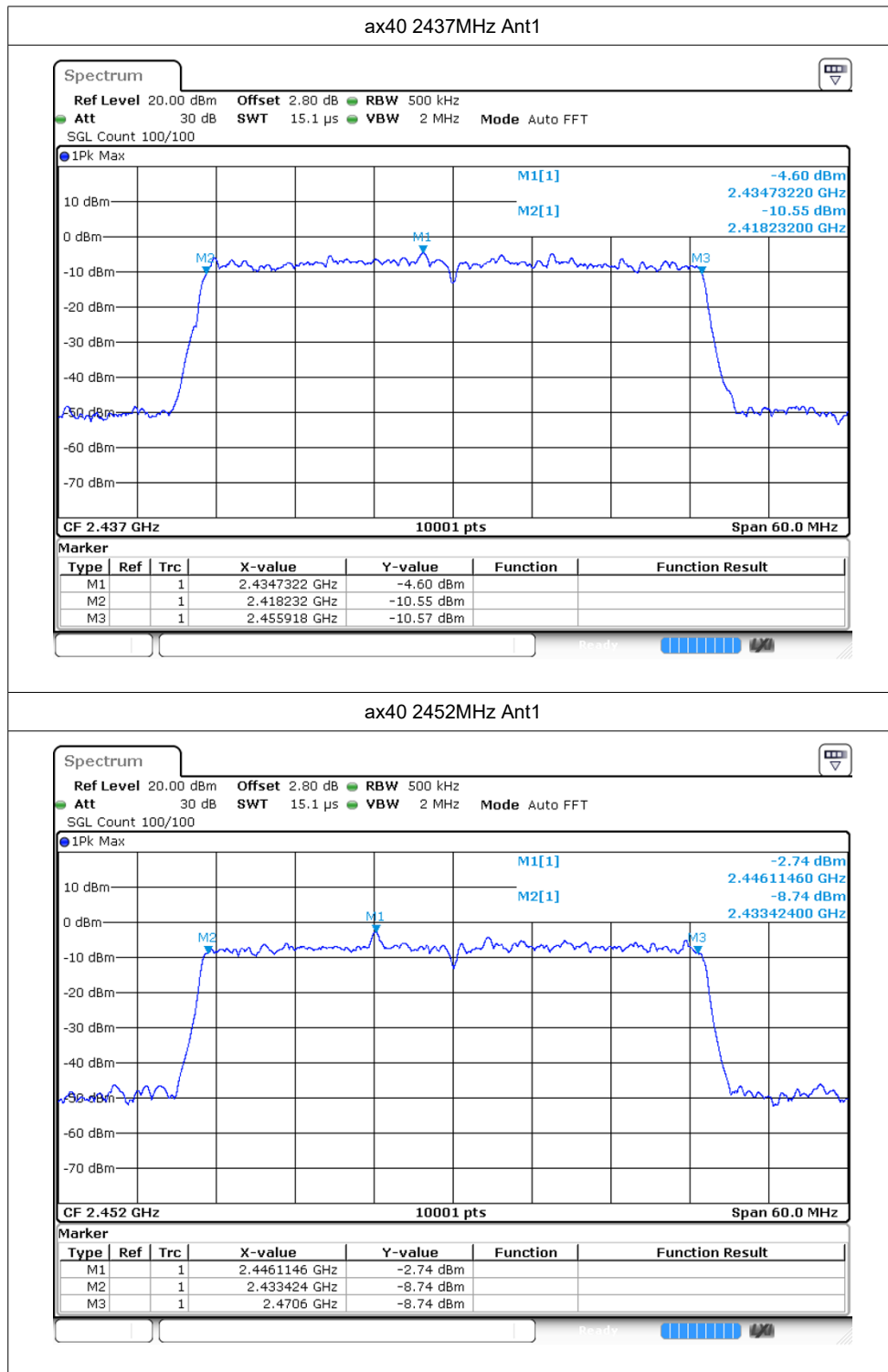










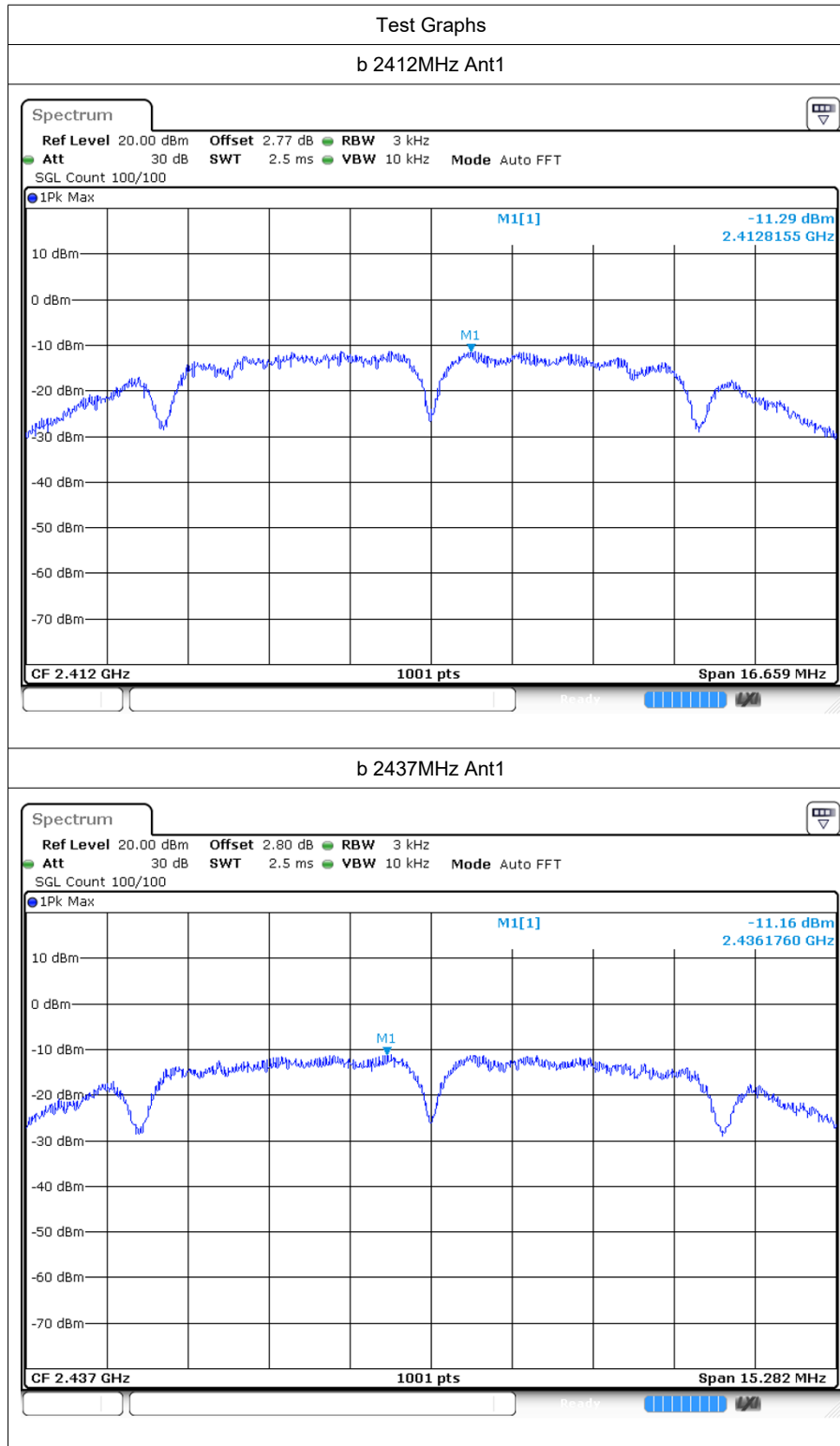


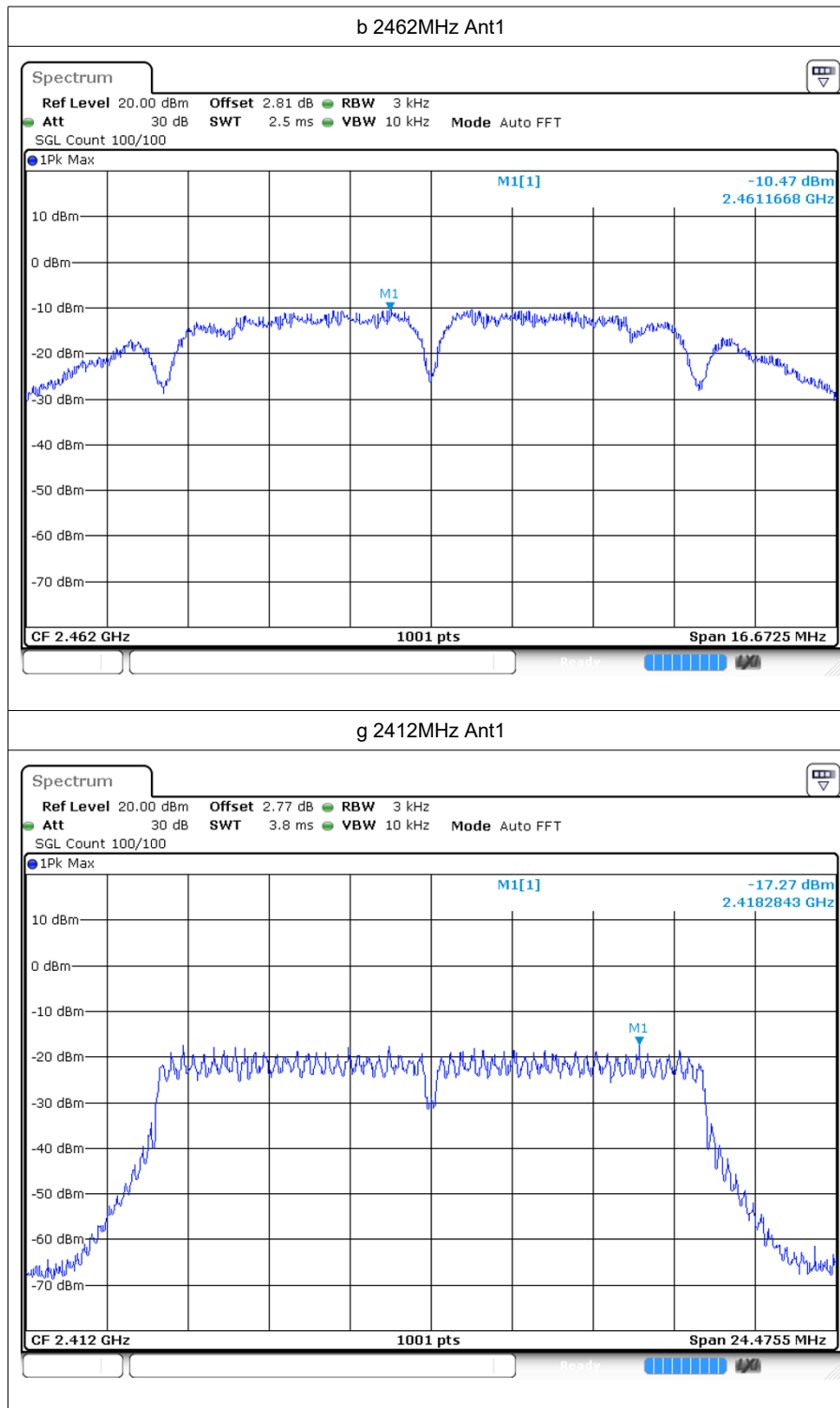
4 Maximum Power Spectral Density Level

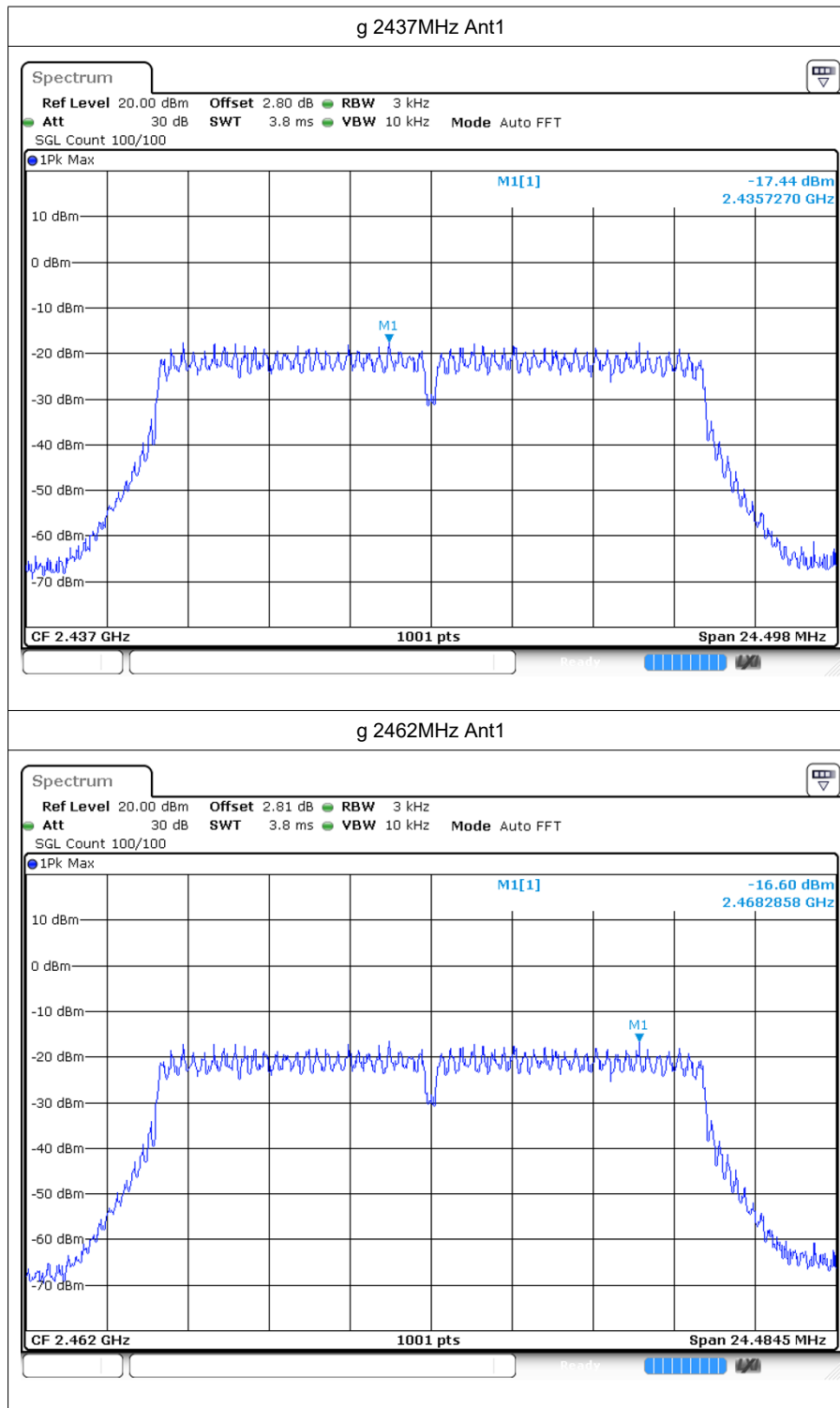
4.1 Test Result

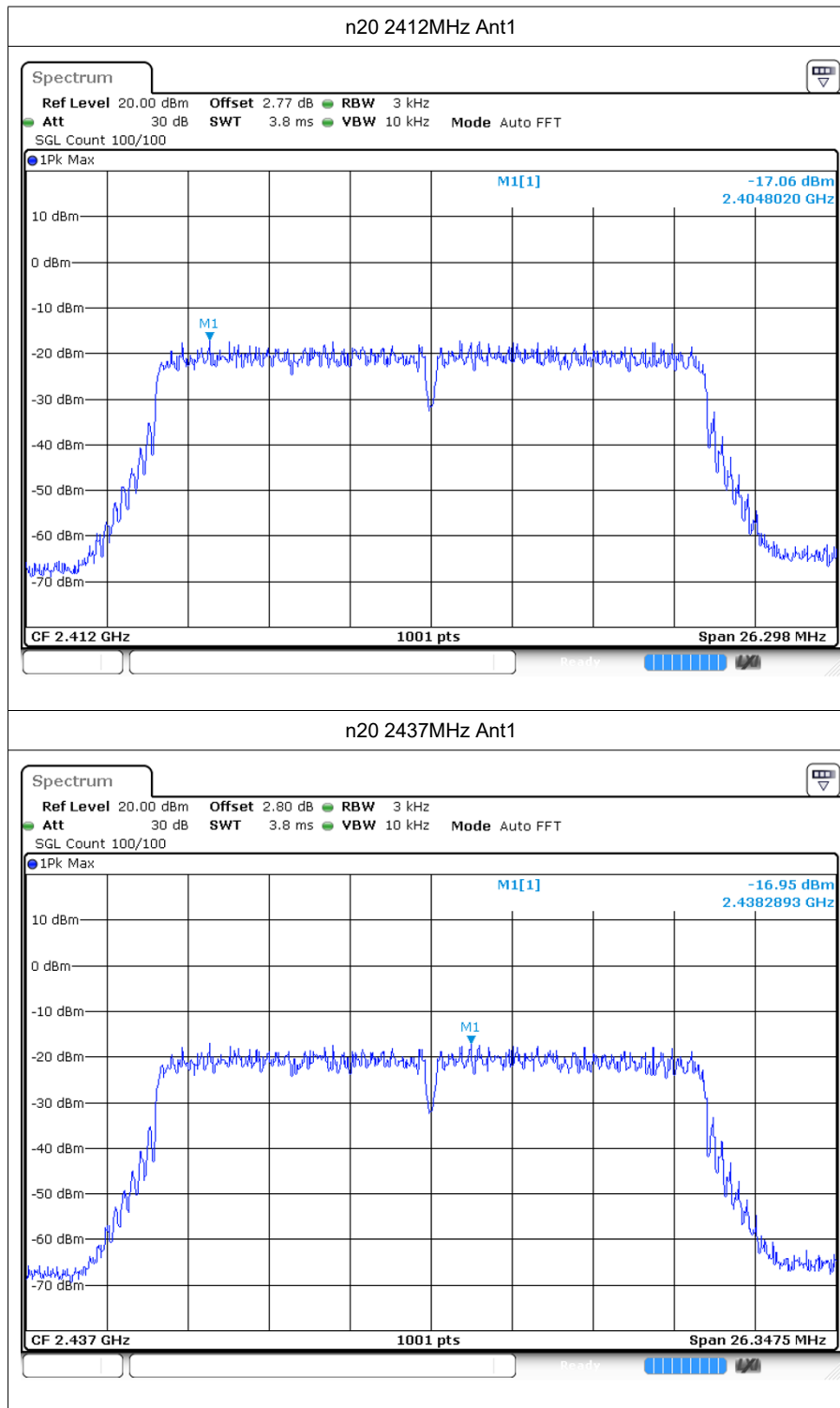
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-11.29	≤8	Pass
b	2437	Ant1	-11.16	≤8	Pass
b	2462	Ant1	-10.47	≤8	Pass
g	2412	Ant1	-17.27	≤8	Pass
g	2437	Ant1	-17.44	≤8	Pass
g	2462	Ant1	-16.6	≤8	Pass
n20	2412	Ant1	-17.06	≤8	Pass
n20	2437	Ant1	-16.95	≤8	Pass
n20	2462	Ant1	-16.04	≤8	Pass
n40	2422	Ant1	-20.24	≤8	Pass
n40	2437	Ant1	-19.99	≤8	Pass
n40	2452	Ant1	-19.74	≤8	Pass
ax20	2412	Ant1	-9.29	≤8	Pass
ax20	2437	Ant1	-8.64	≤8	Pass
ax20	2462	Ant1	-6.87	≤8	Pass
ax40	2422	Ant1	-10.02	≤8	Pass
ax40	2437	Ant1	-10.07	≤8	Pass
ax40	2452	Ant1	-9.34	≤8	Pass

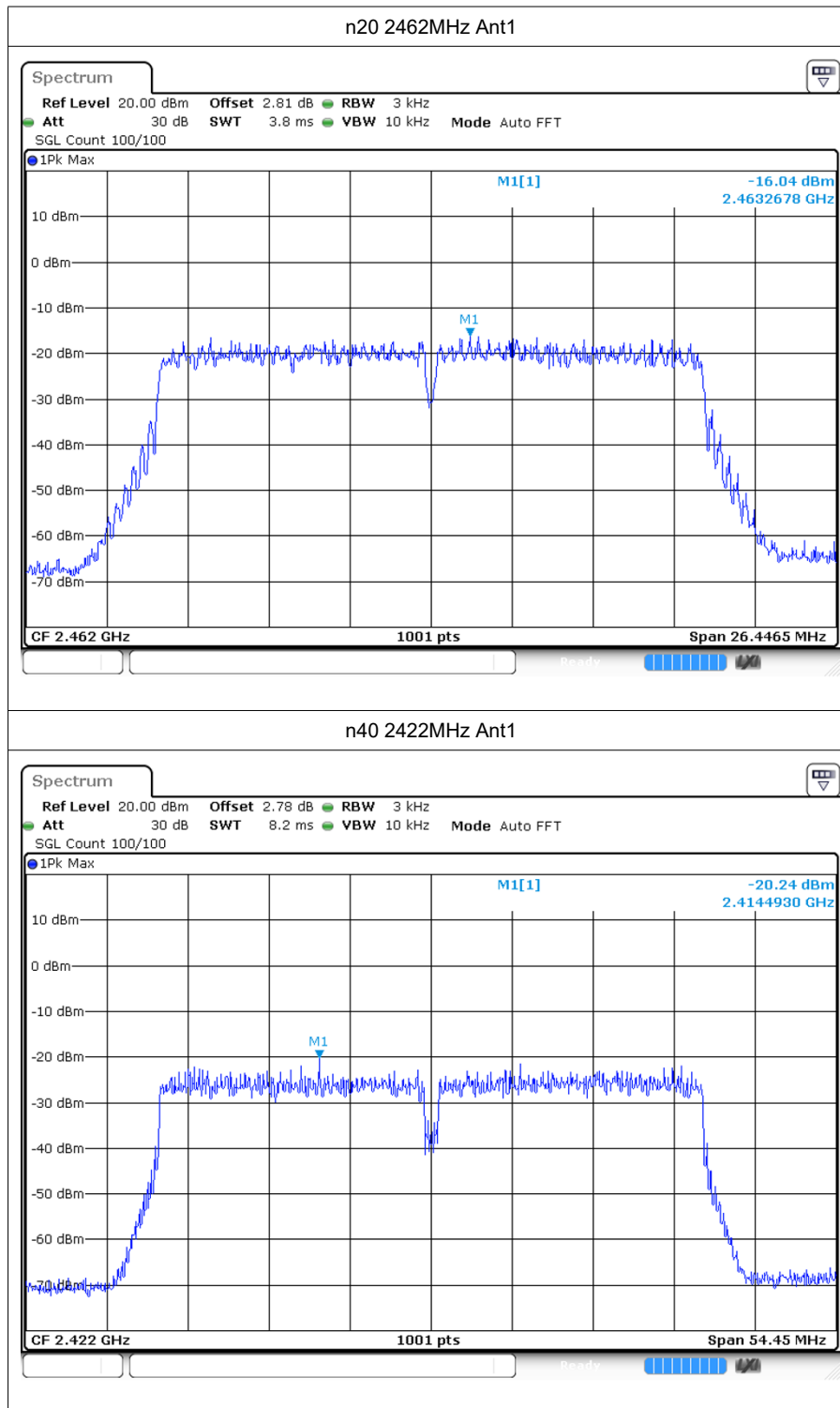
4.2 Test Graphs

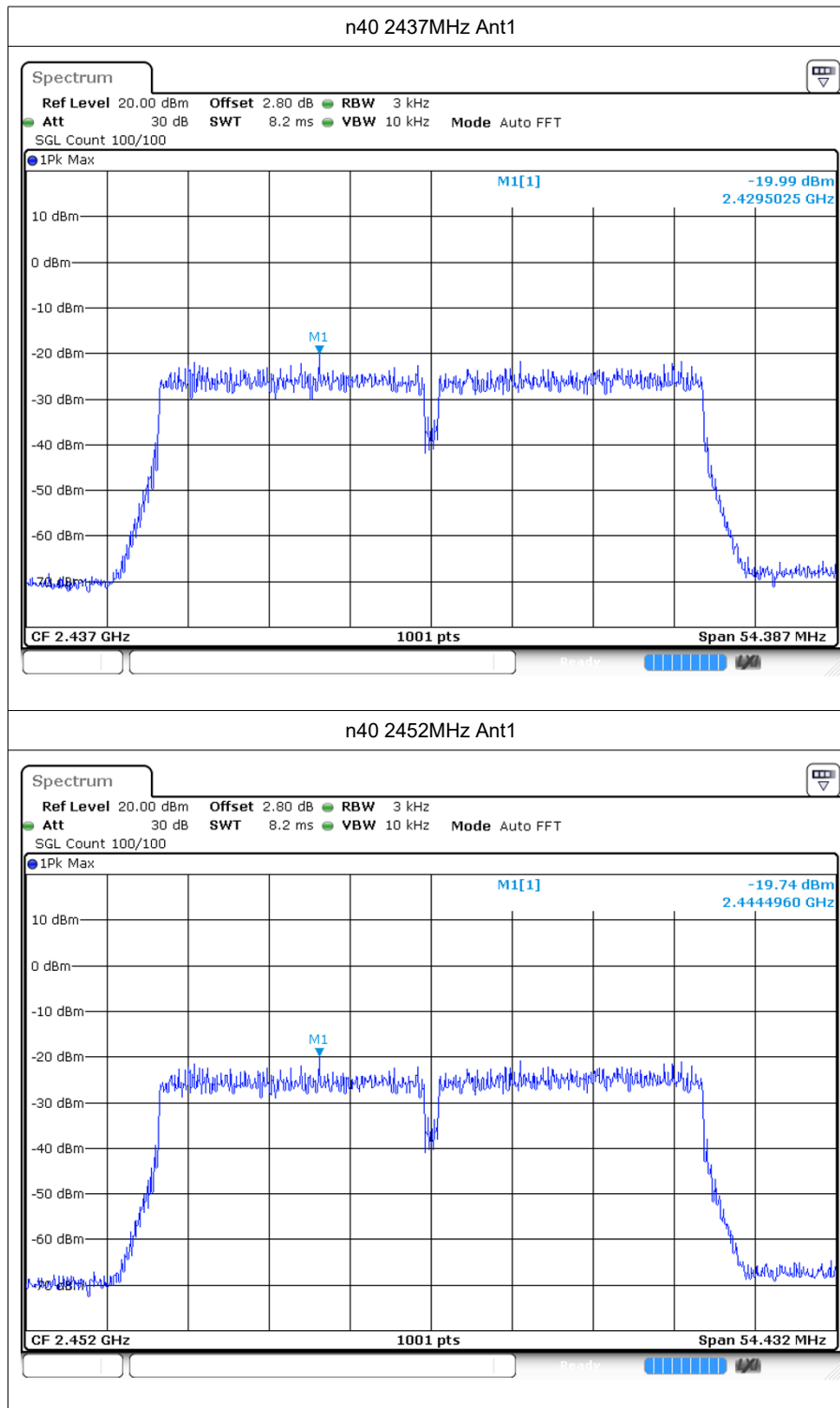


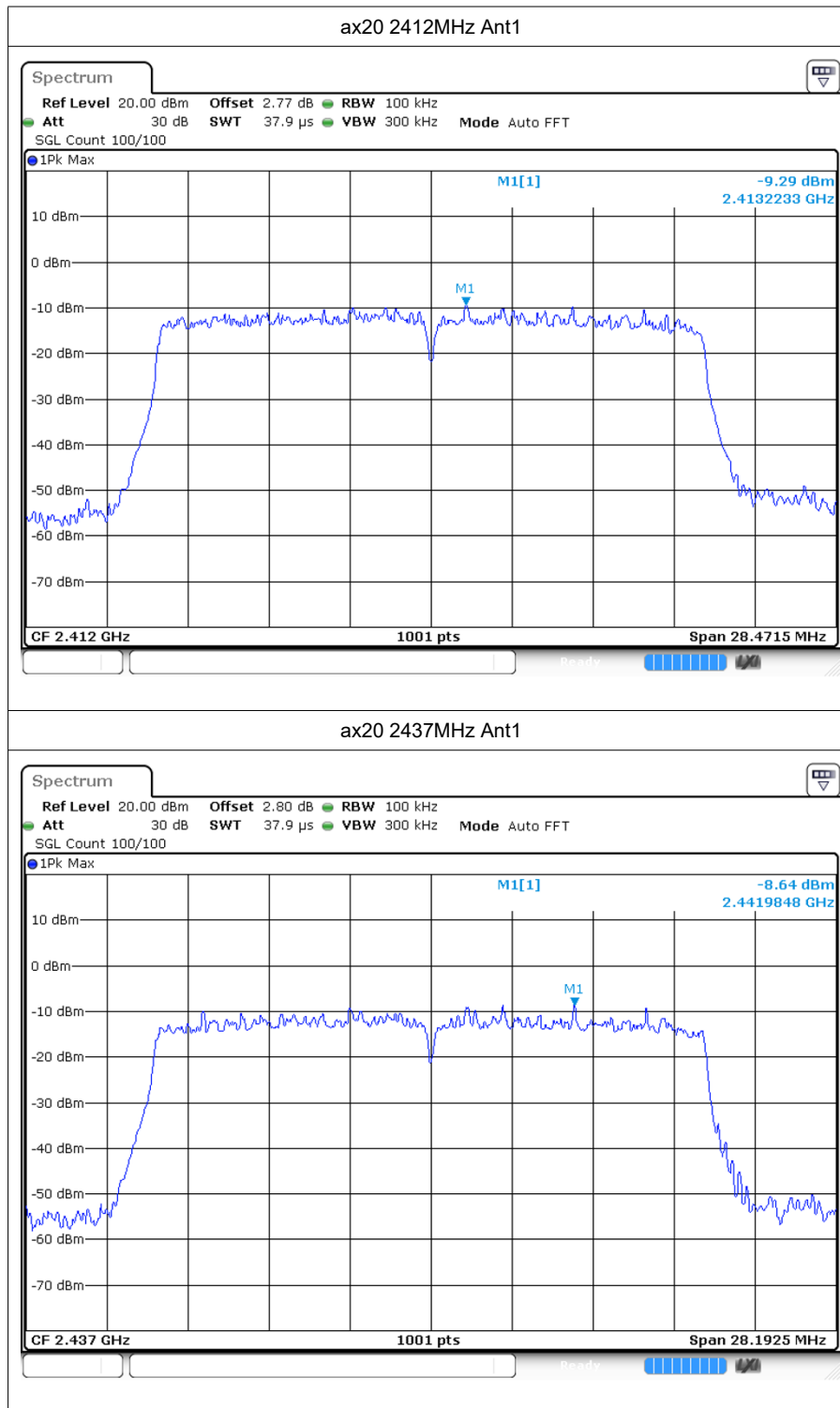


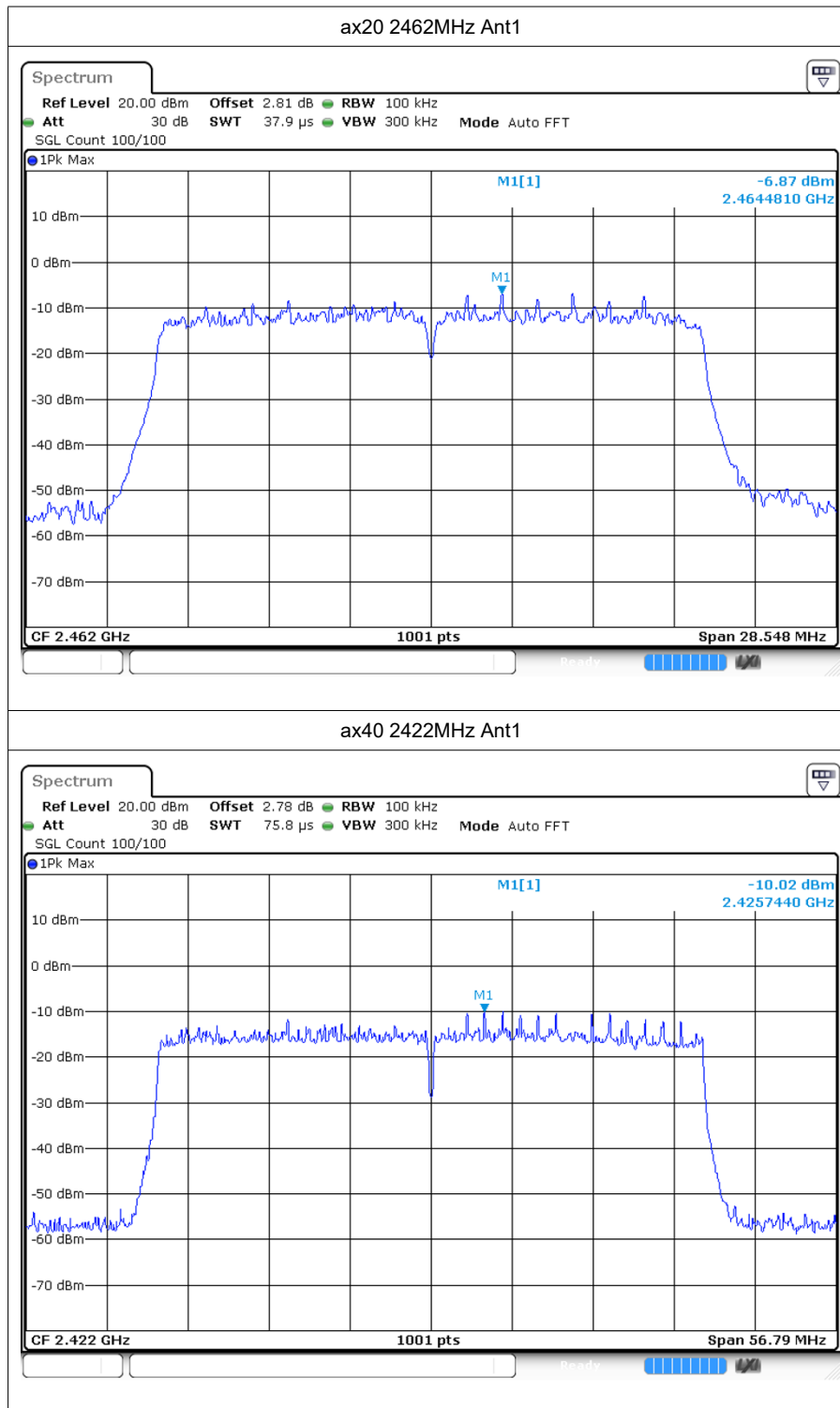


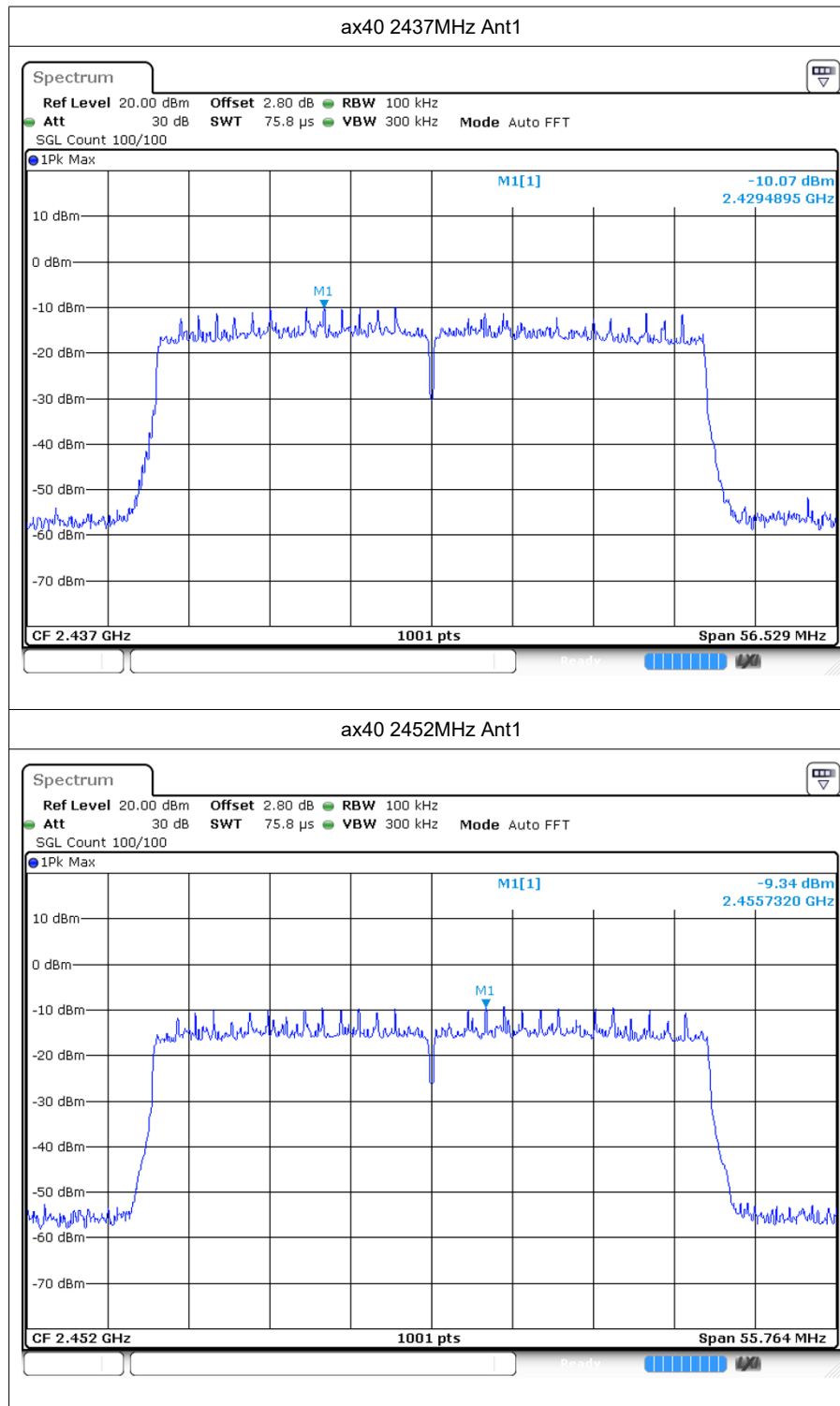












5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-56.33	-20	Pass
b	2462	Ant1	-53.44	-20	Pass
g	2412	Ant1	-51.77	-20	Pass
g	2462	Ant1	-49.12	-20	Pass
n20	2412	Ant1	-50.63	-20	Pass
n20	2462	Ant1	-50.61	-20	Pass
n40	2422	Ant1	-47.2	-20	Pass
n40	2452	Ant1	-44	-20	Pass
ax20	2412	Ant1	-46.66	-20	Pass
ax20	2462	Ant1	-47.92	-20	Pass
ax40	2422	Ant1	-43.74	-20	Pass
ax40	2452	Ant1	-42.68	-20	Pass

5.2 Test Graphs

