



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: SMART PHOTO FRAME

Trade Mark: TIBUTA/BYYBUO

Test Model: TID7

Environmental Conditions

Temperature:	25.5° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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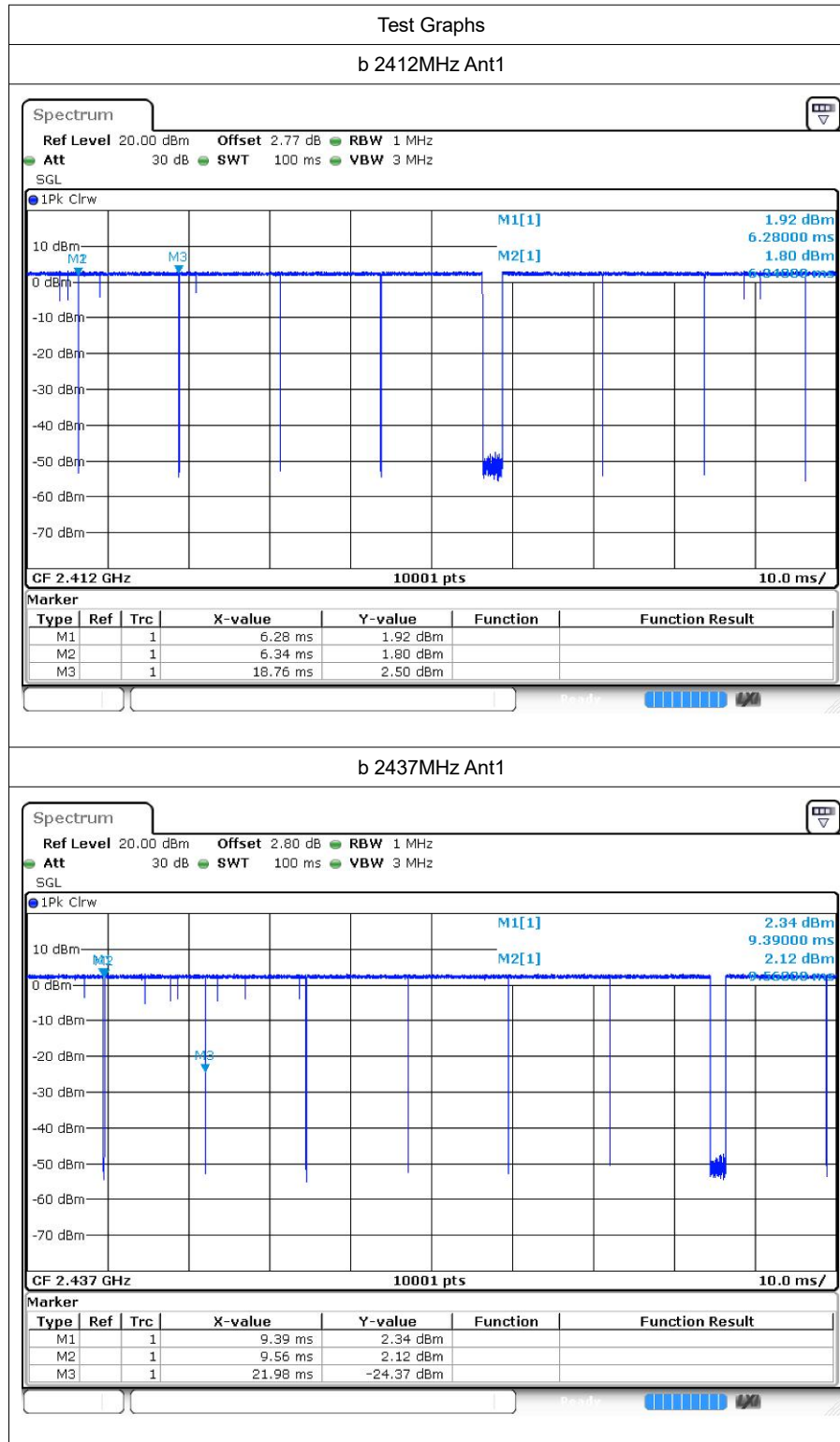


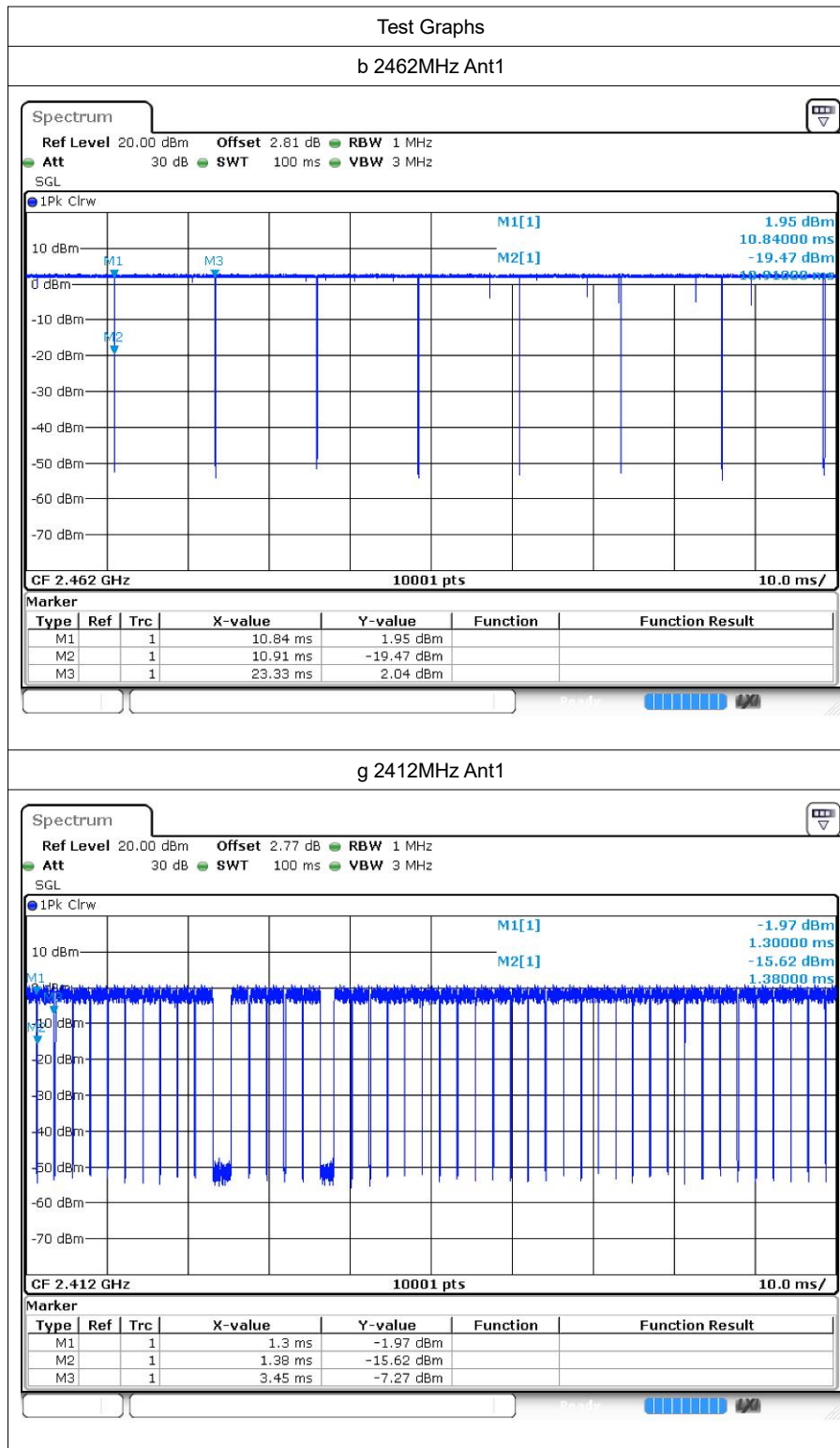
1 Duty Cycle

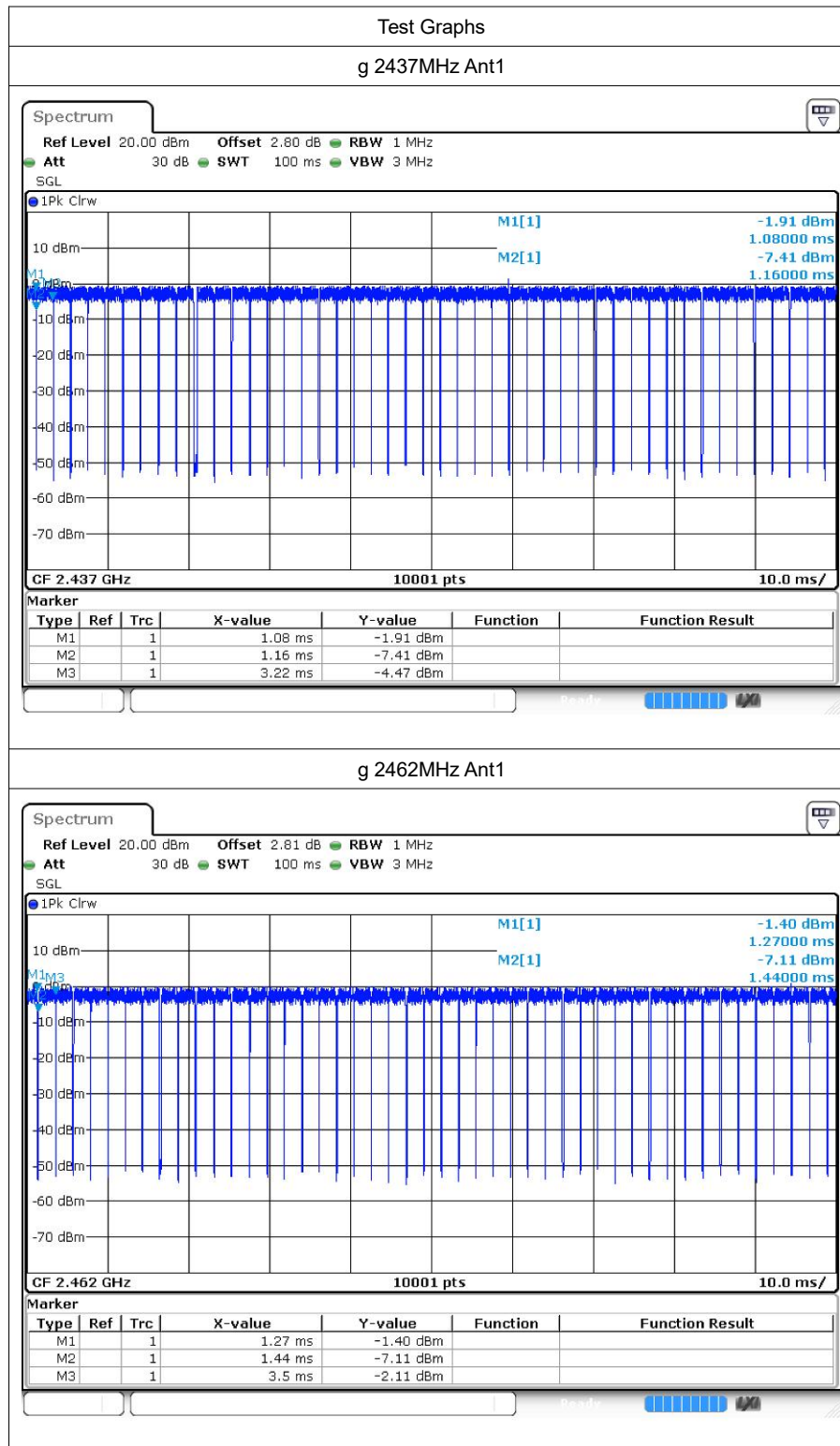
1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	1/T (kHz)
b	2412	Ant1	97.03	0.08
b	2437	Ant1	97.59	0.08
b	2462	Ant1	99.3	0.08
g	2412	Ant1	91.73	0.48
g	2437	Ant1	95.79	0.49
g	2462	Ant1	95.65	0.49
n20	2412	Ant1	91.92	0.52
n20	2437	Ant1	82.94	0.52
n20	2462	Ant1	95.72	0.52
n40	2422	Ant1	86.45	1.08
n40	2437	Ant1	88.67	1.06
n40	2452	Ant1	88.97	1.06

1.2 Test Graphs

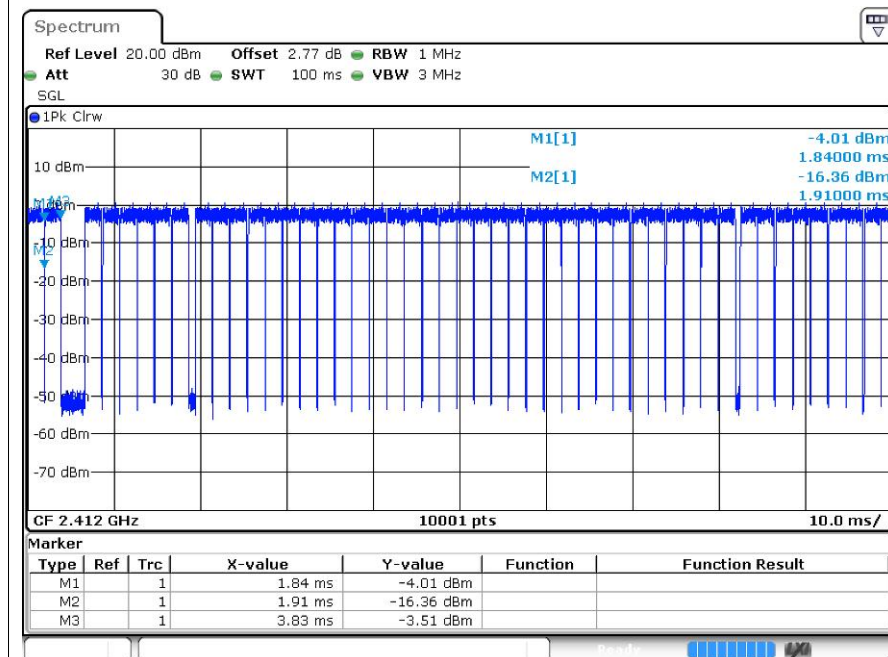




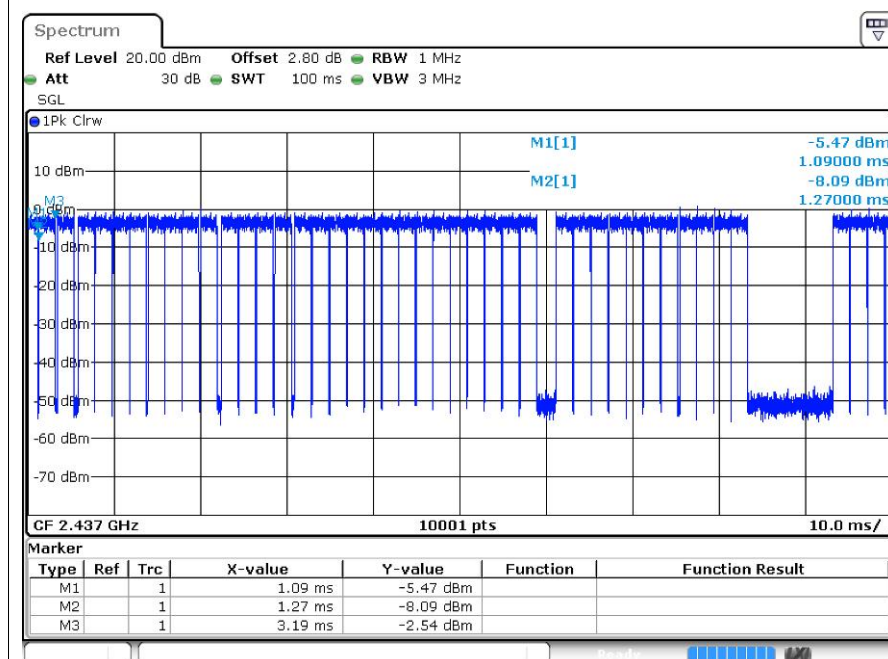


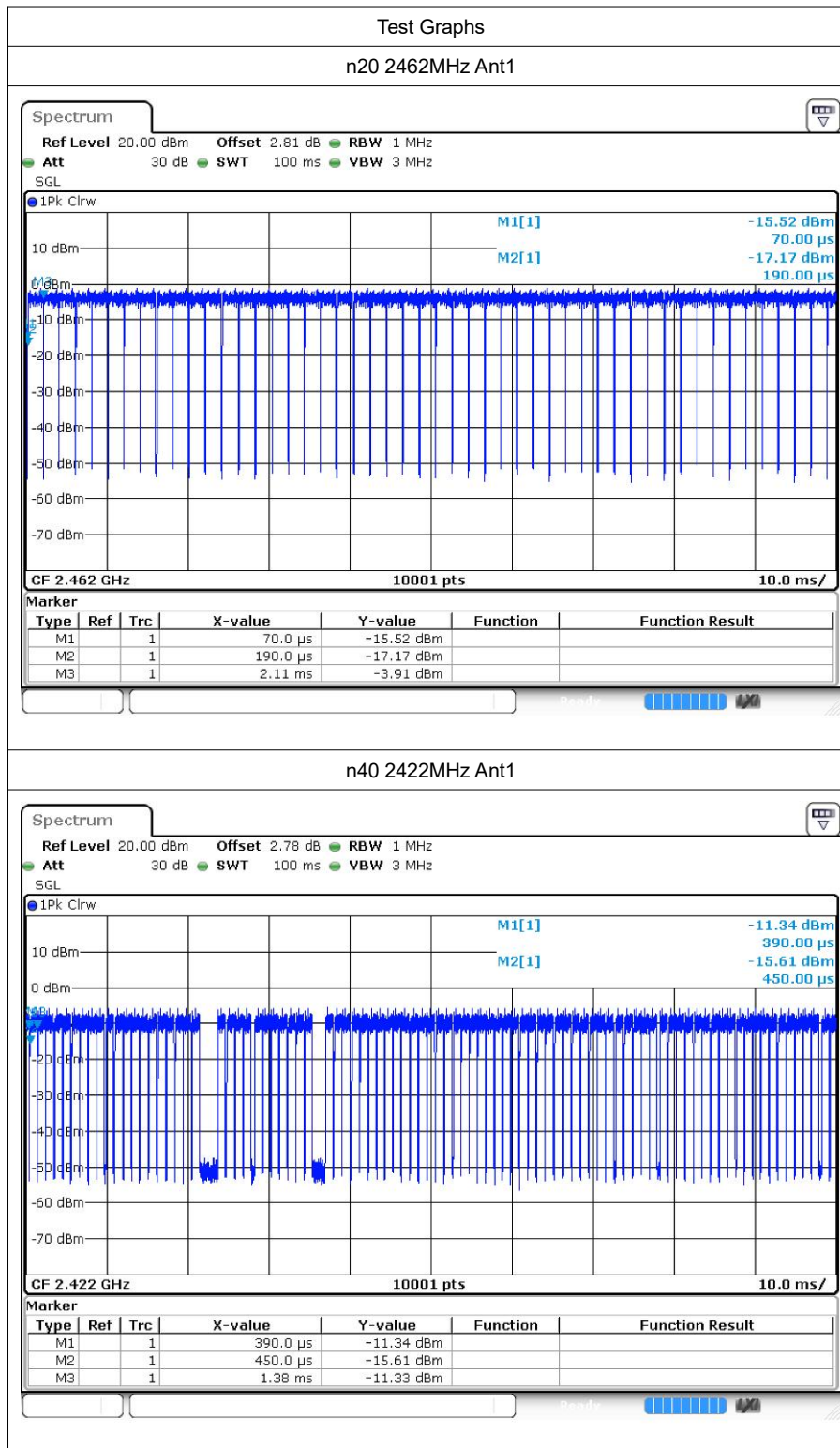
Test Graphs

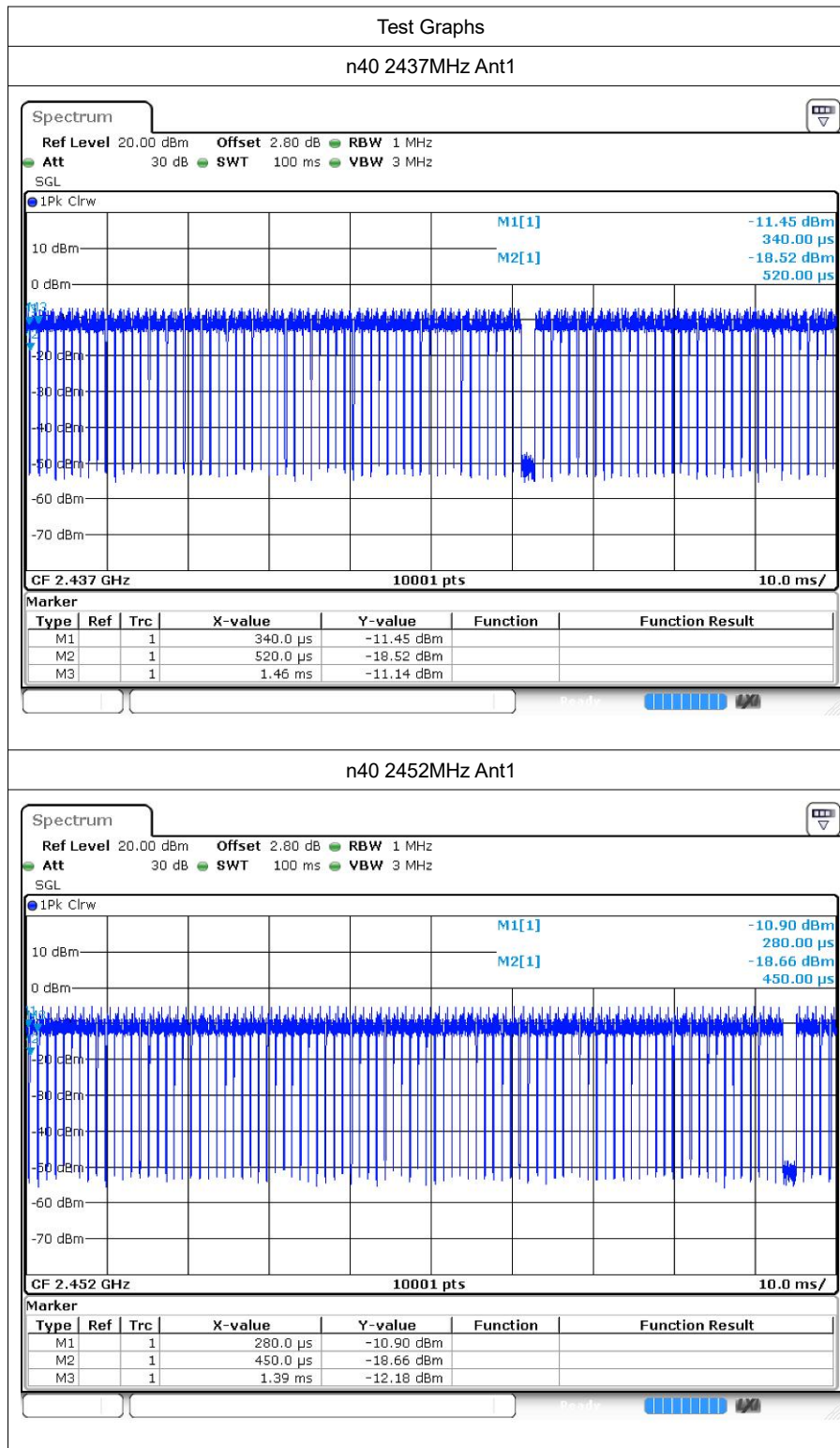
n20 2412MHz Ant1



n20 2437MHz Ant1







2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	11.29	30	Pass
b	2437	Ant1	11.32	30	Pass
b	2462	Ant1	11.15	30	Pass
g	2412	Ant1	11.63	30	Pass
g	2437	Ant1	10.68	30	Pass
g	2462	Ant1	10.95	30	Pass
n20	2412	Ant1	11.14	30	Pass
n20	2437	Ant1	10.65	30	Pass
n20	2462	Ant1	10.33	30	Pass
n40	2422	Ant1	11.12	30	Pass
n40	2437	Ant1	11.07	30	Pass
n40	2452	Ant1	10.91	30	Pass

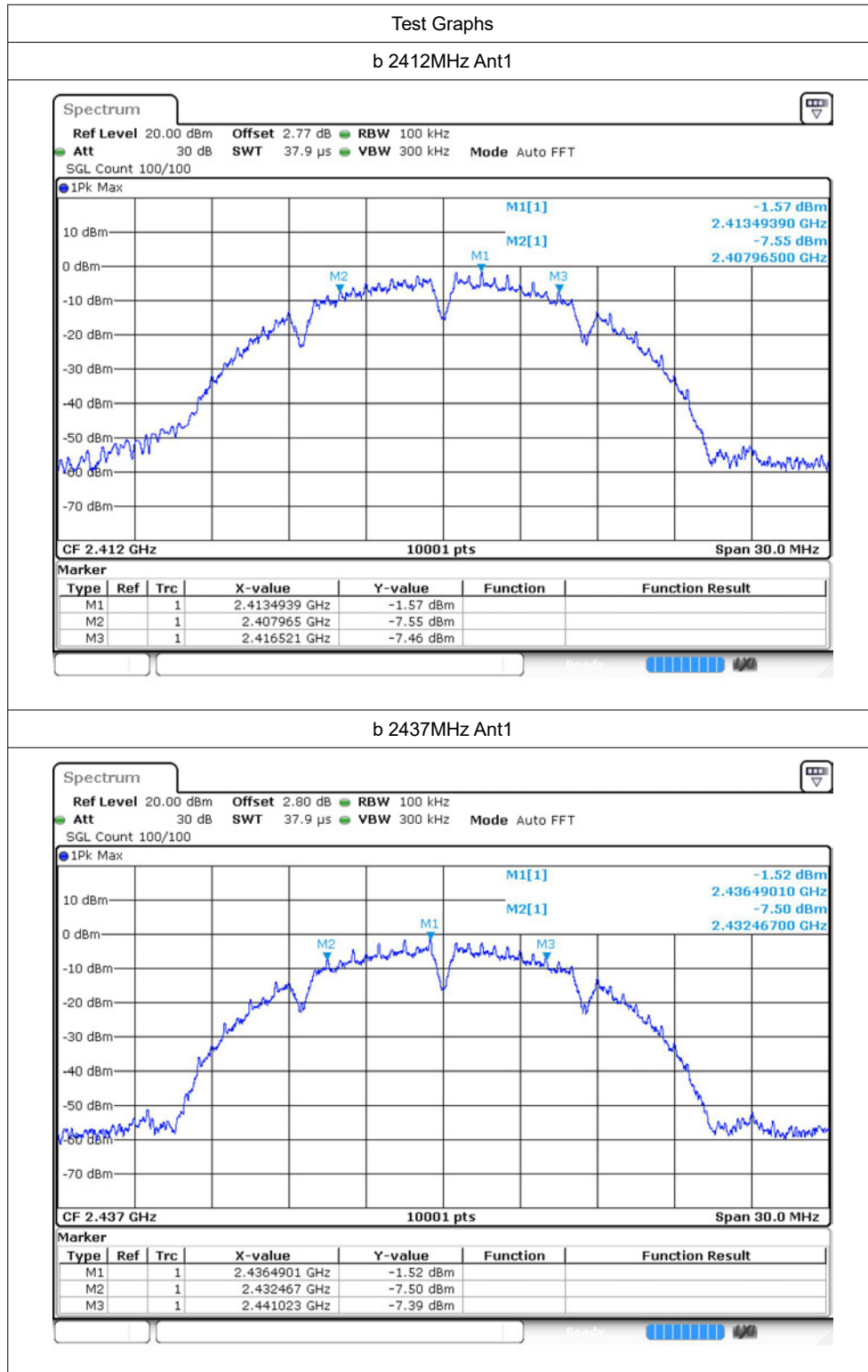


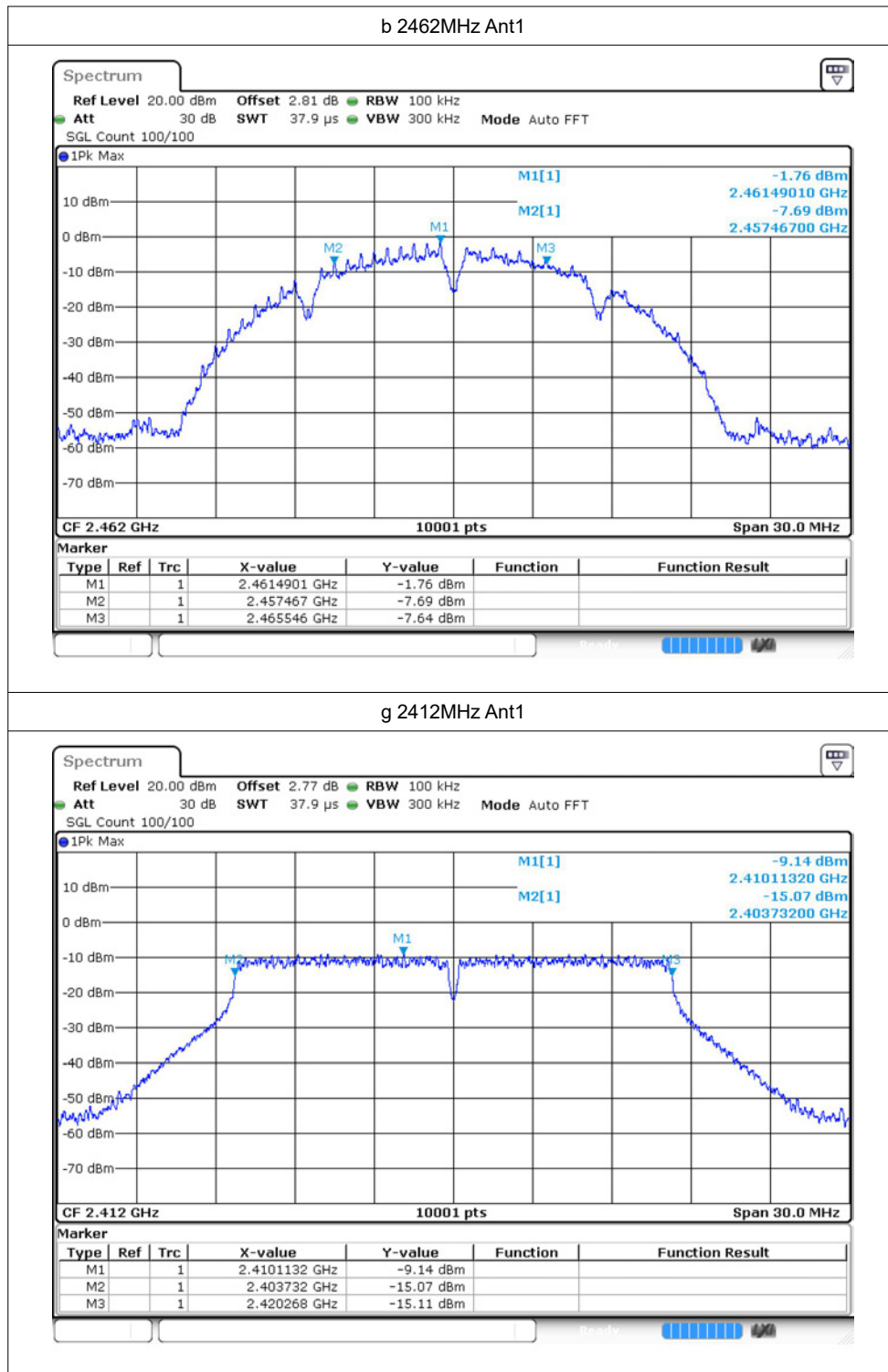
3 -6dB Bandwidth

3.1 Test Result

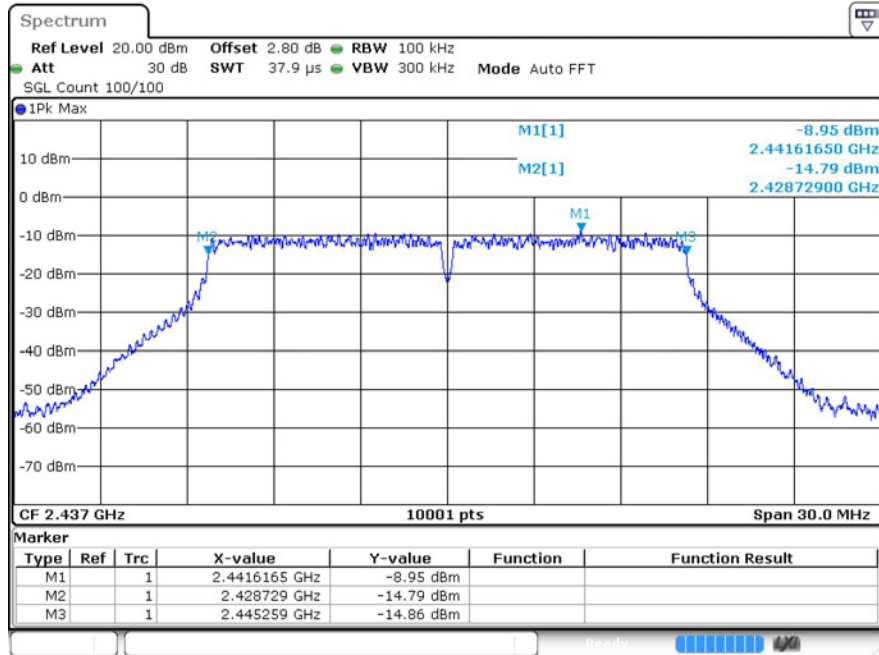
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	8.556	0.5	Pass
b	2437	Ant1	8.556	0.5	Pass
b	2462	Ant1	8.079	0.5	Pass
g	2412	Ant1	16.536	0.5	Pass
g	2437	Ant1	16.53	0.5	Pass
g	2462	Ant1	16.44	0.5	Pass
n20	2412	Ant1	17.781	0.5	Pass
n20	2437	Ant1	17.7	0.5	Pass
n20	2462	Ant1	17.586	0.5	Pass
n40	2422	Ant1	35.334	0.5	Pass
n40	2437	Ant1	36.12	0.5	Pass
n40	2452	Ant1	35.262	0.5	Pass

3.2 Test Graphs

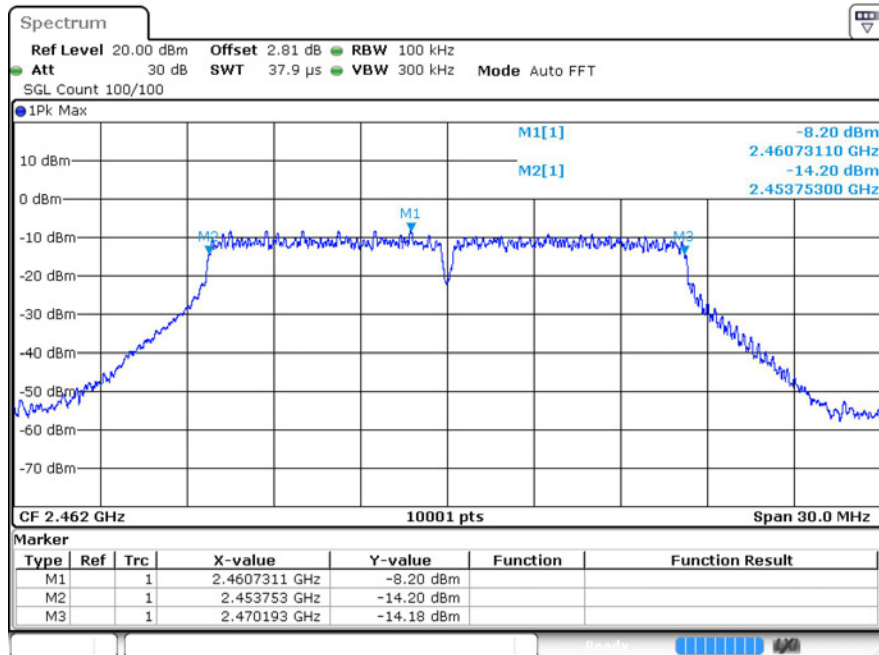


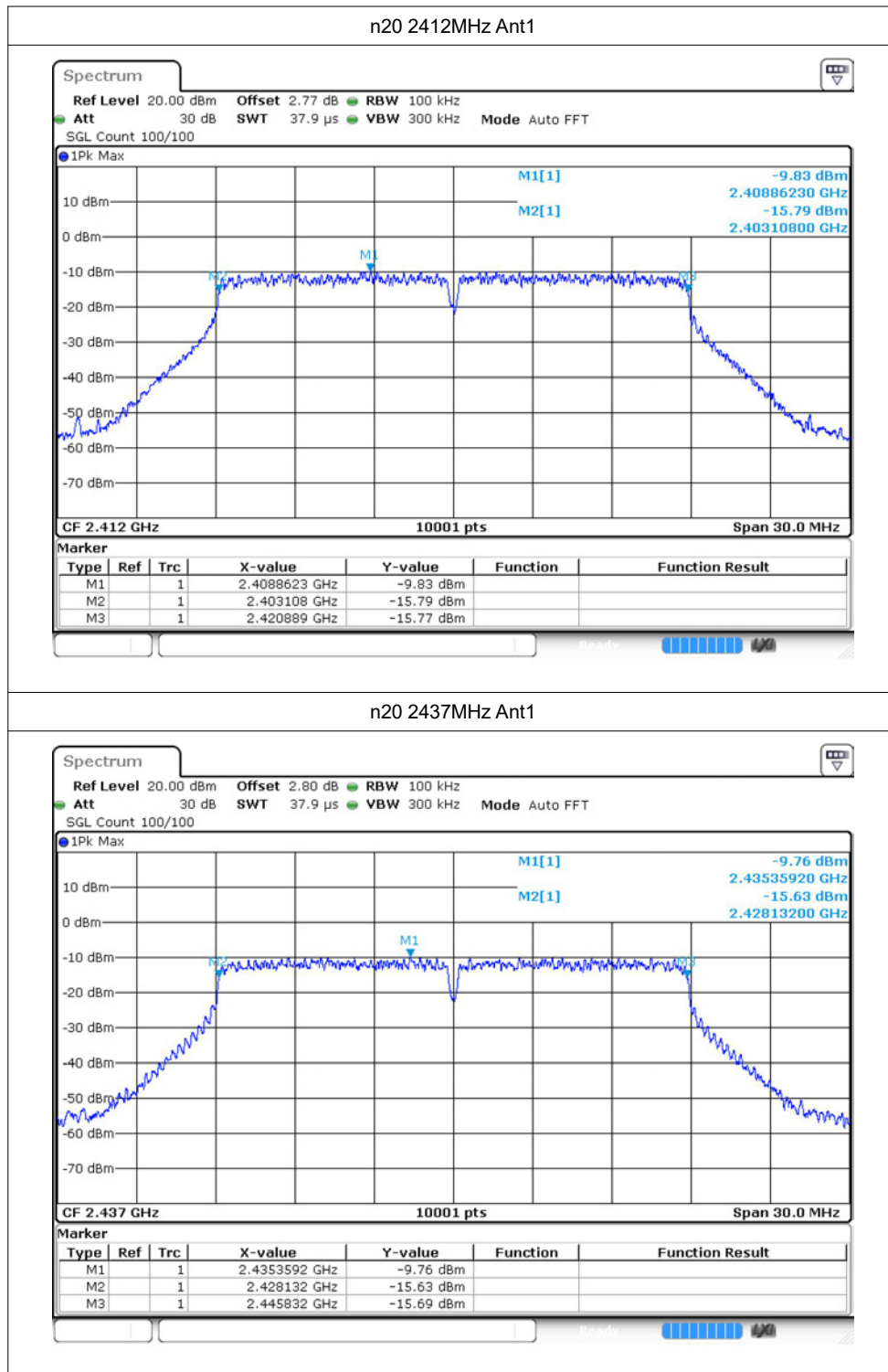


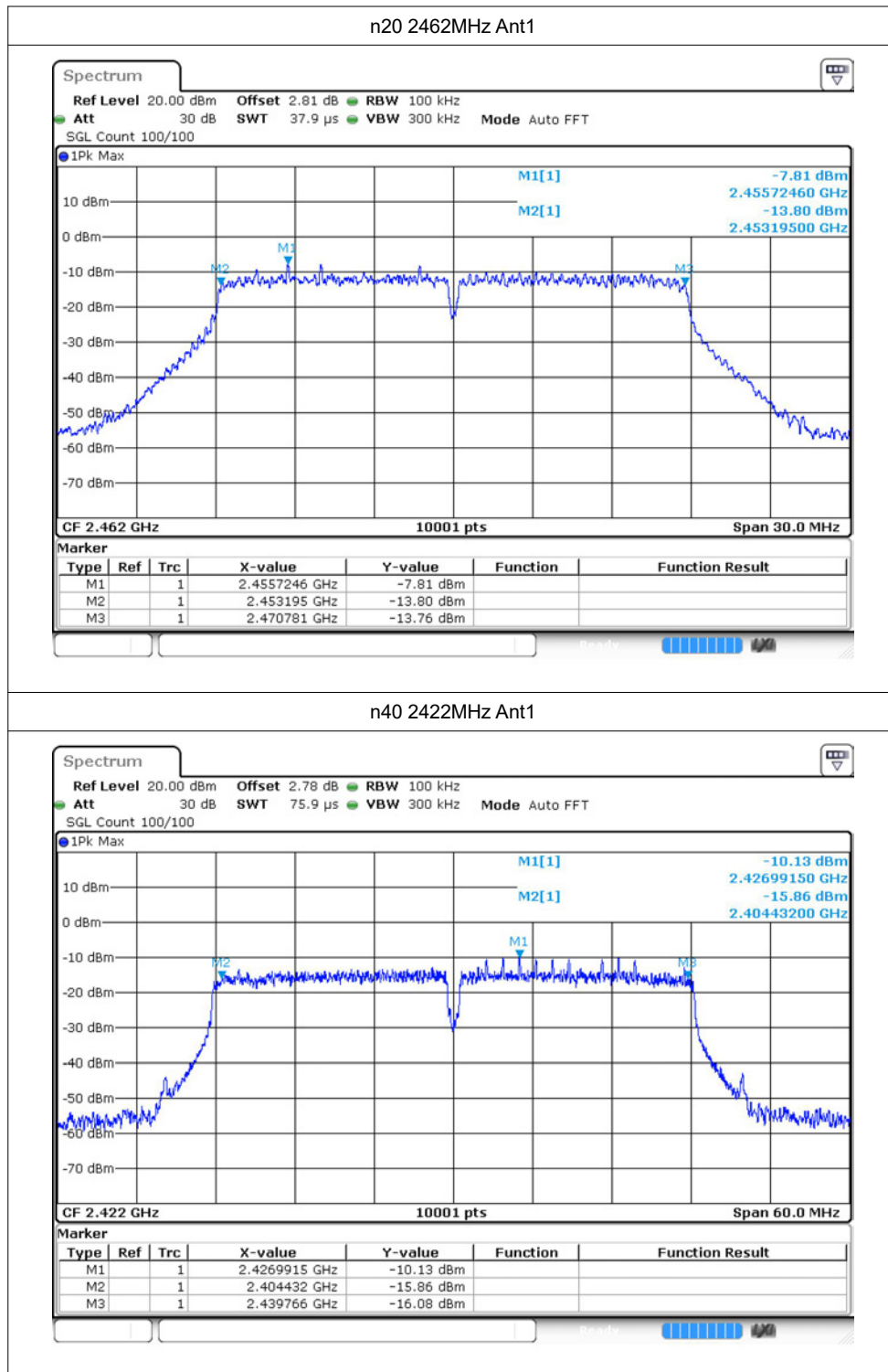
g 2437MHz Ant1

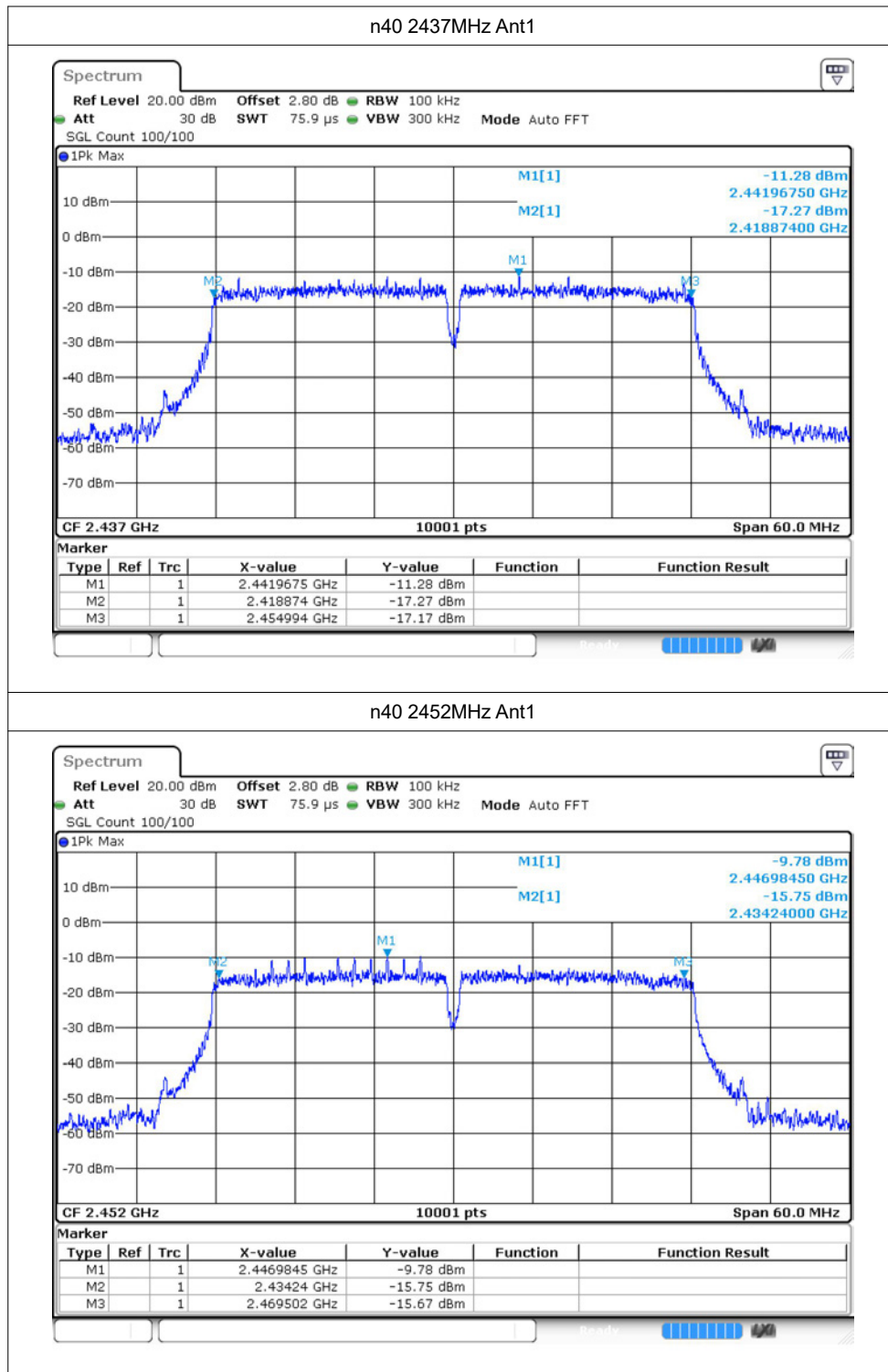


g 2462MHz Ant1







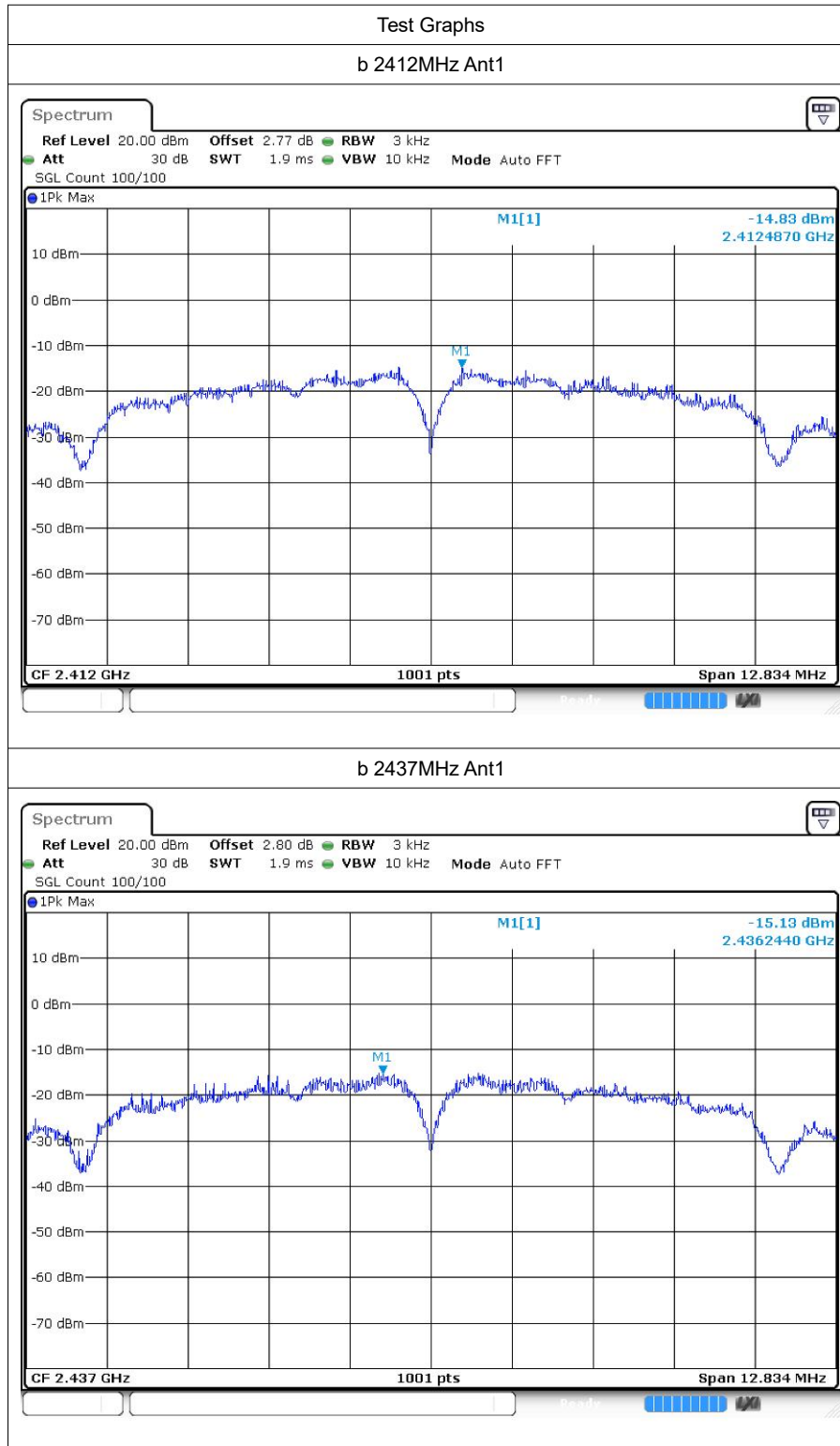


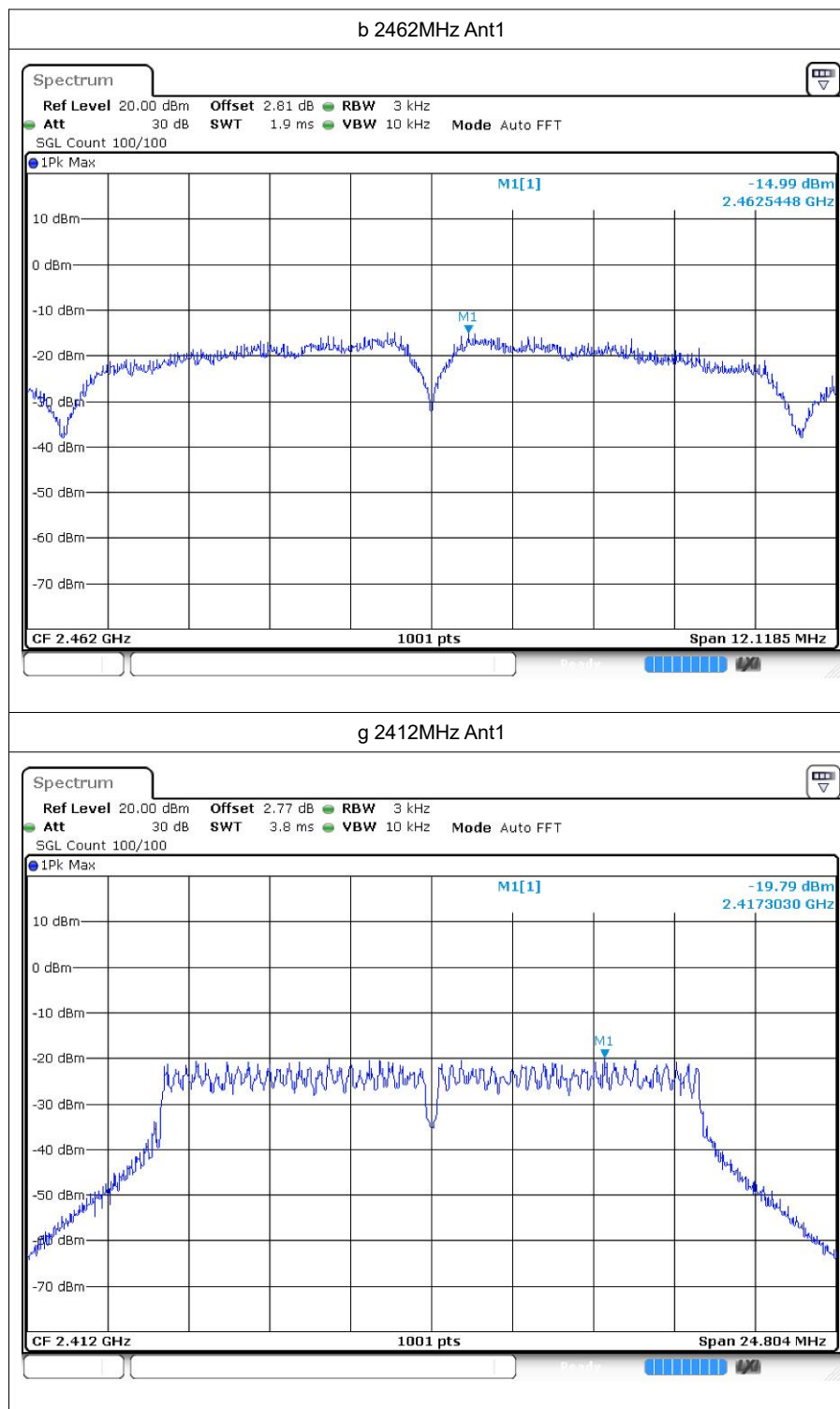
4 Maximum Power Spectral Density Level

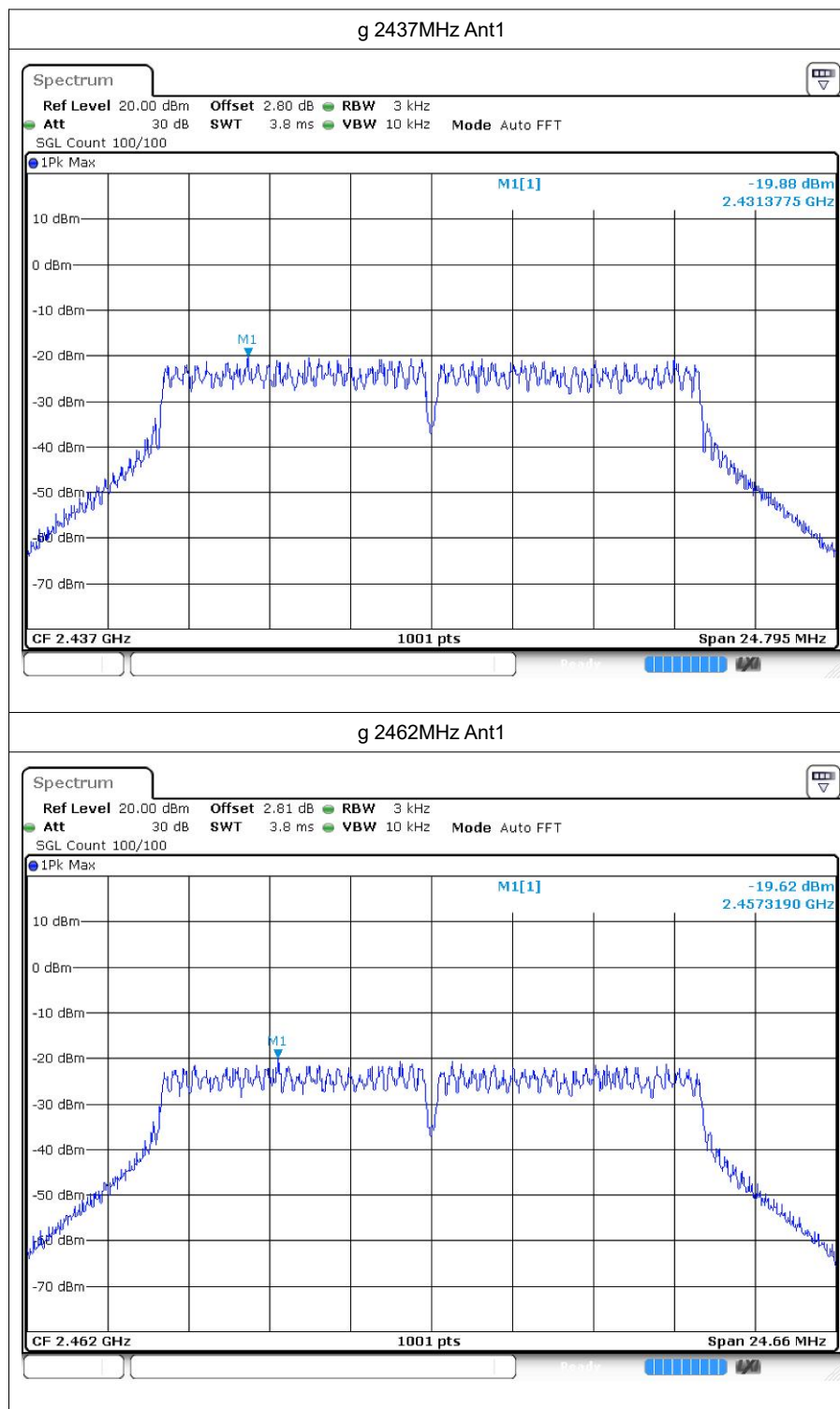
4.1 Test Result

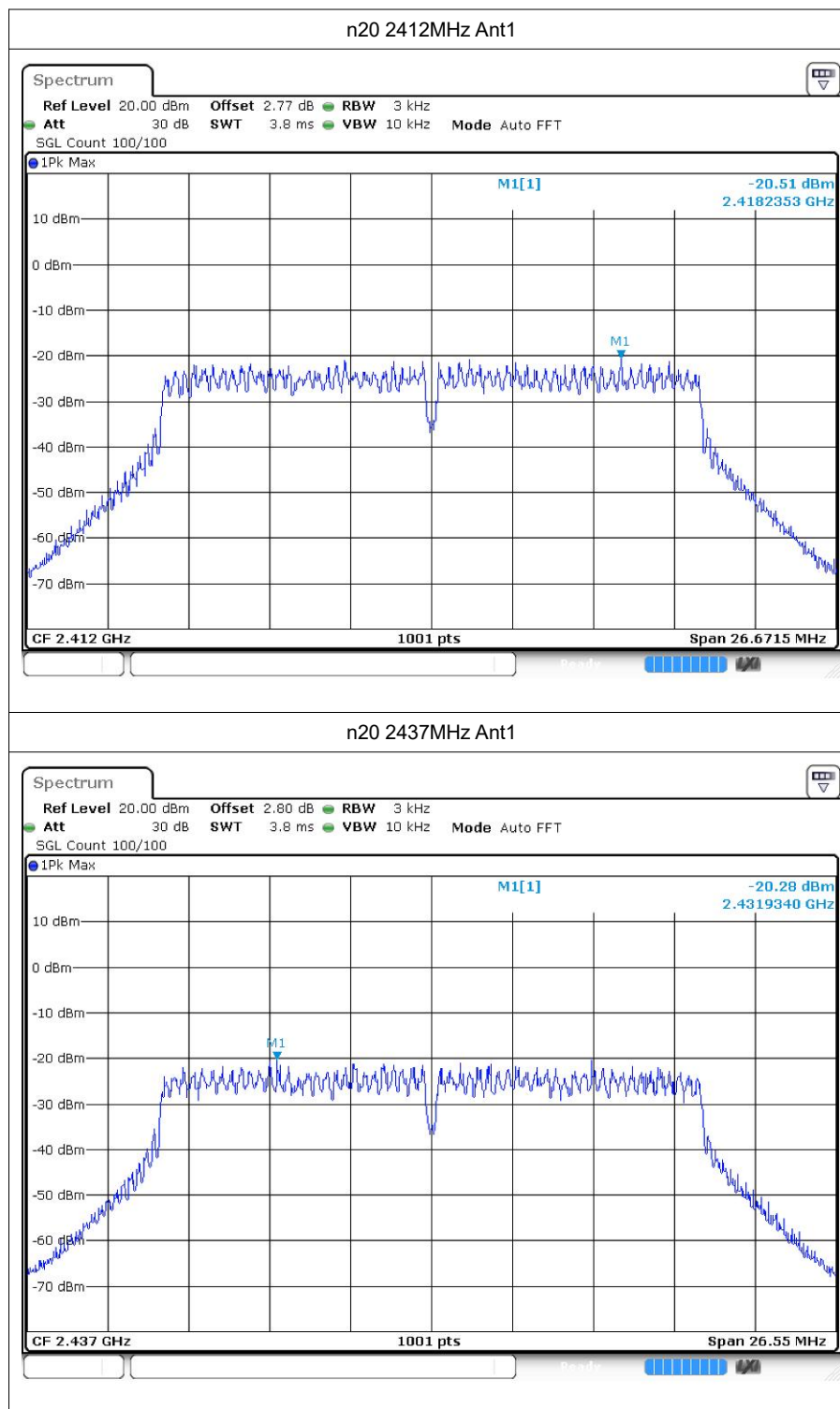
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-14.83	≤8	Pass
b	2437	Ant1	-15.13	≤8	Pass
b	2462	Ant1	-14.99	≤8	Pass
g	2412	Ant1	-19.79	≤8	Pass
g	2437	Ant1	-19.88	≤8	Pass
g	2462	Ant1	-19.62	≤8	Pass
n20	2412	Ant1	-20.51	≤8	Pass
n20	2437	Ant1	-20.28	≤8	Pass
n20	2462	Ant1	-21.44	≤8	Pass
n40	2422	Ant1	-22.86	≤8	Pass
n40	2437	Ant1	-24.26	≤8	Pass
n40	2452	Ant1	-24	≤8	Pass

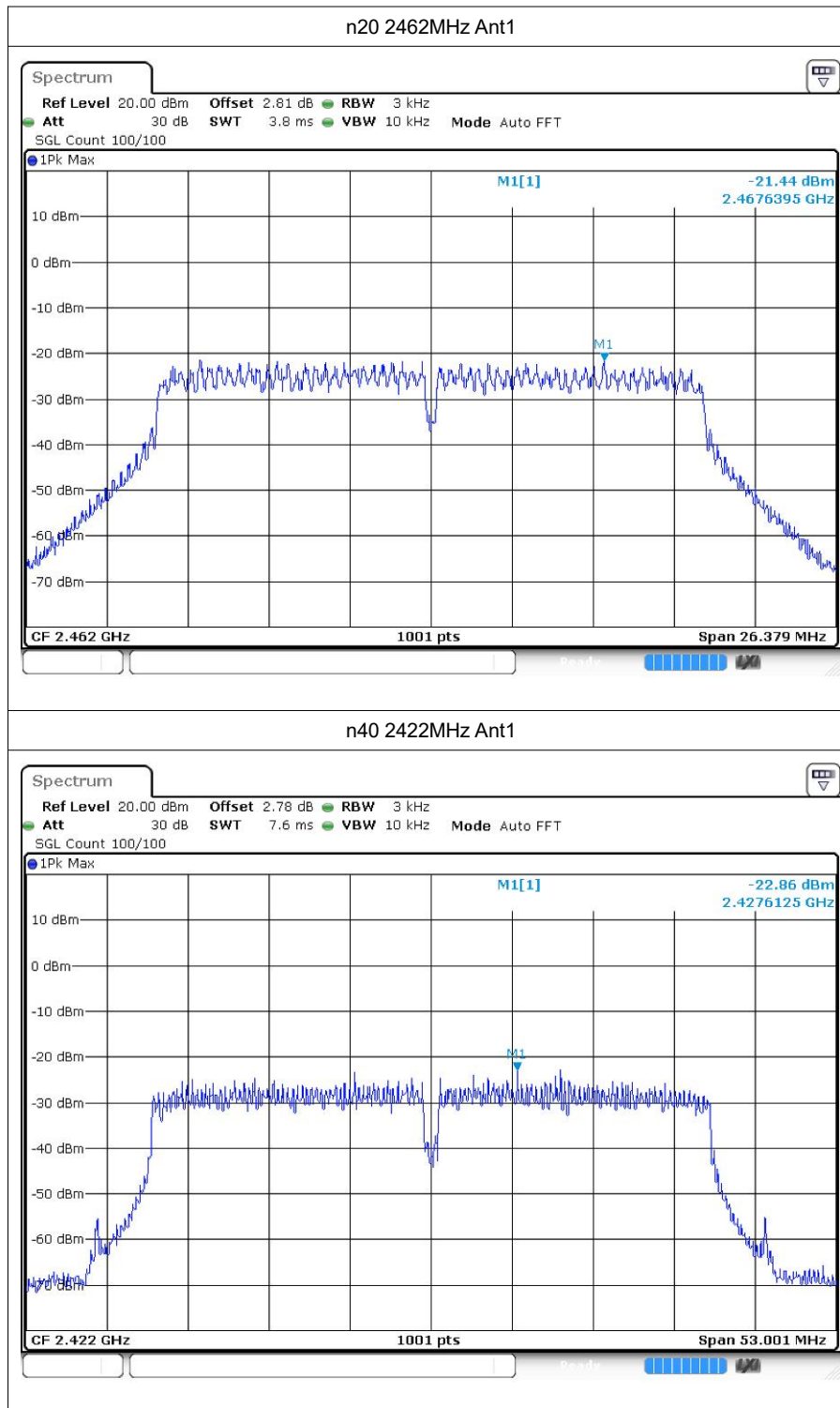
4.2 Test Graphs

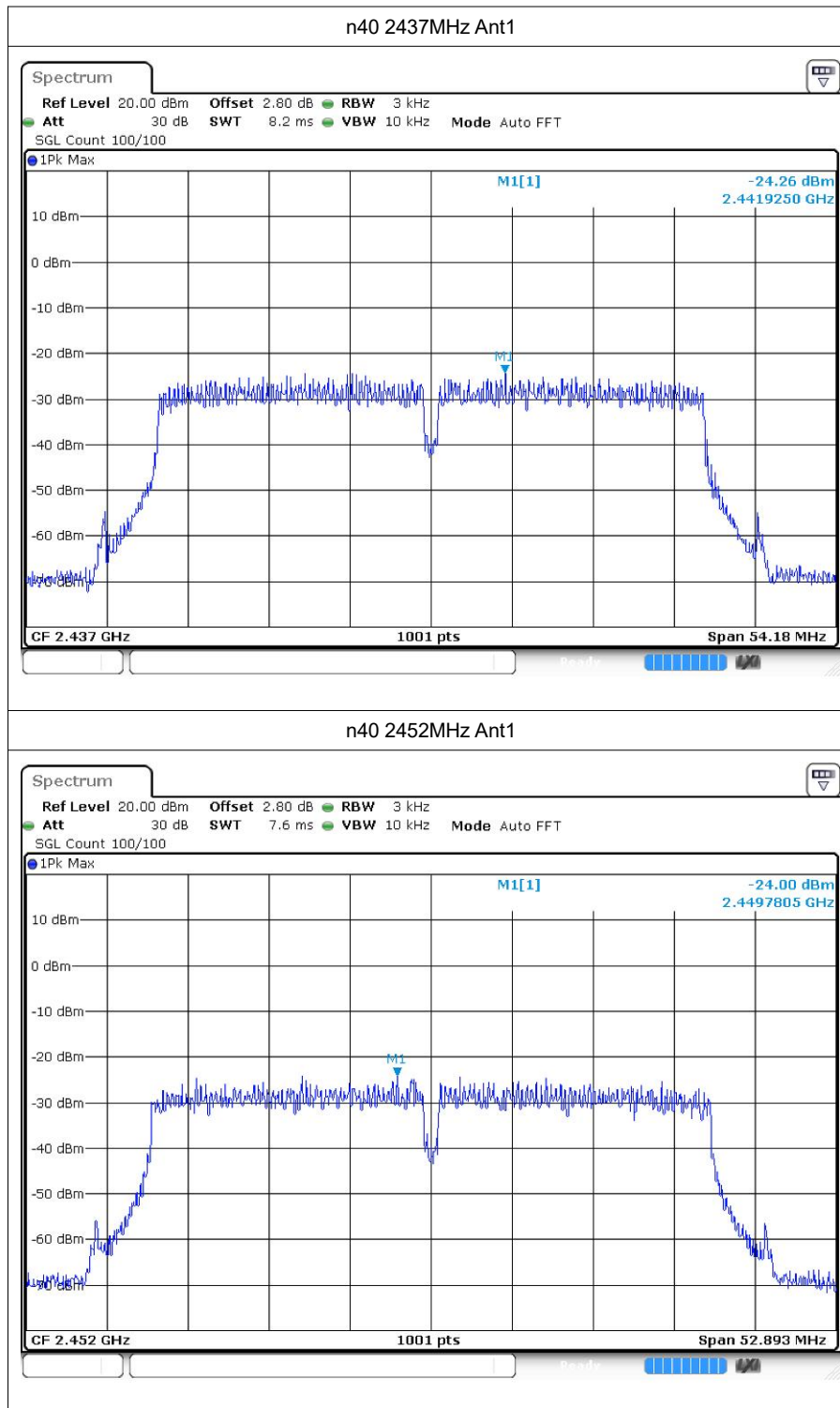












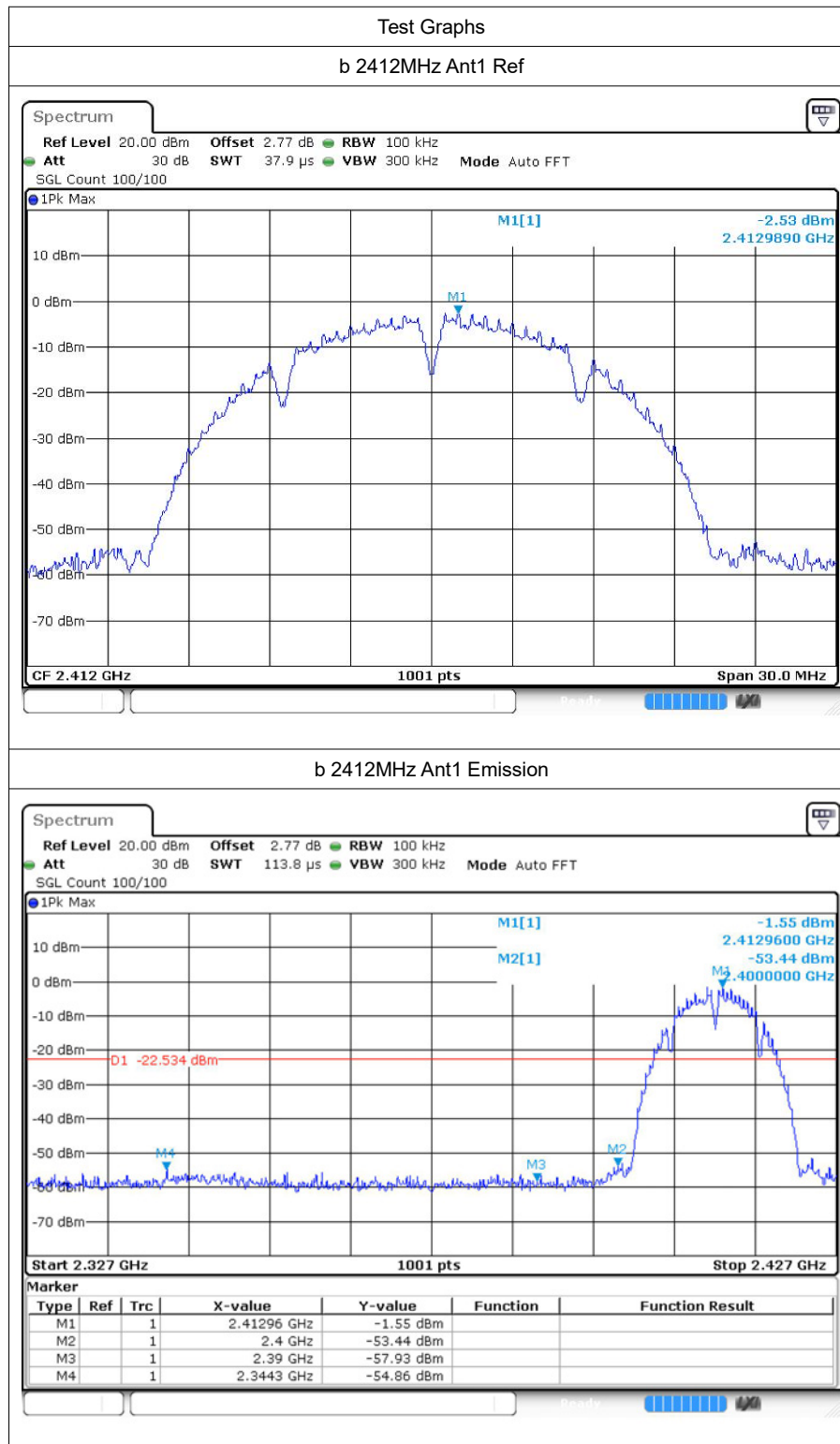


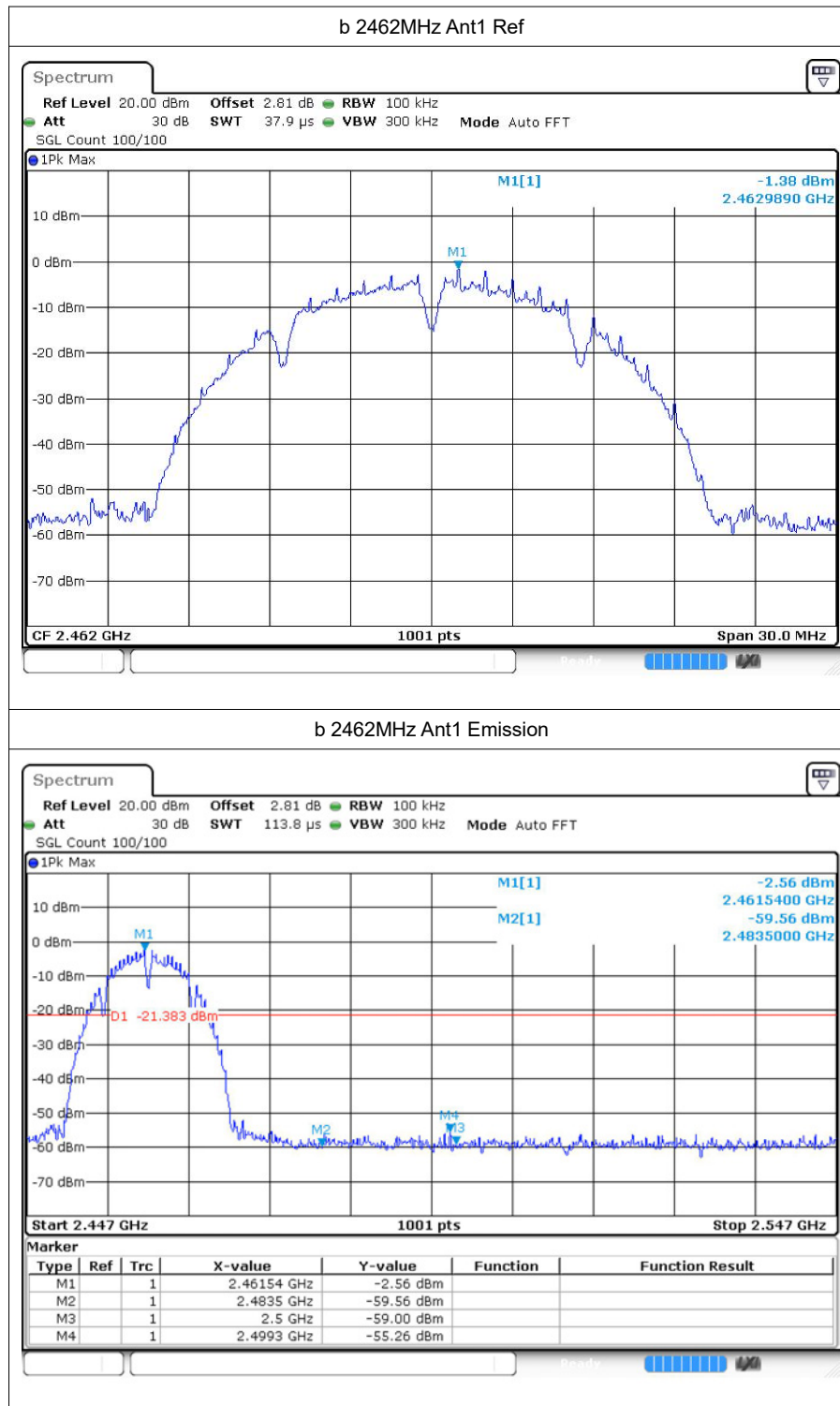
5 Band Edge

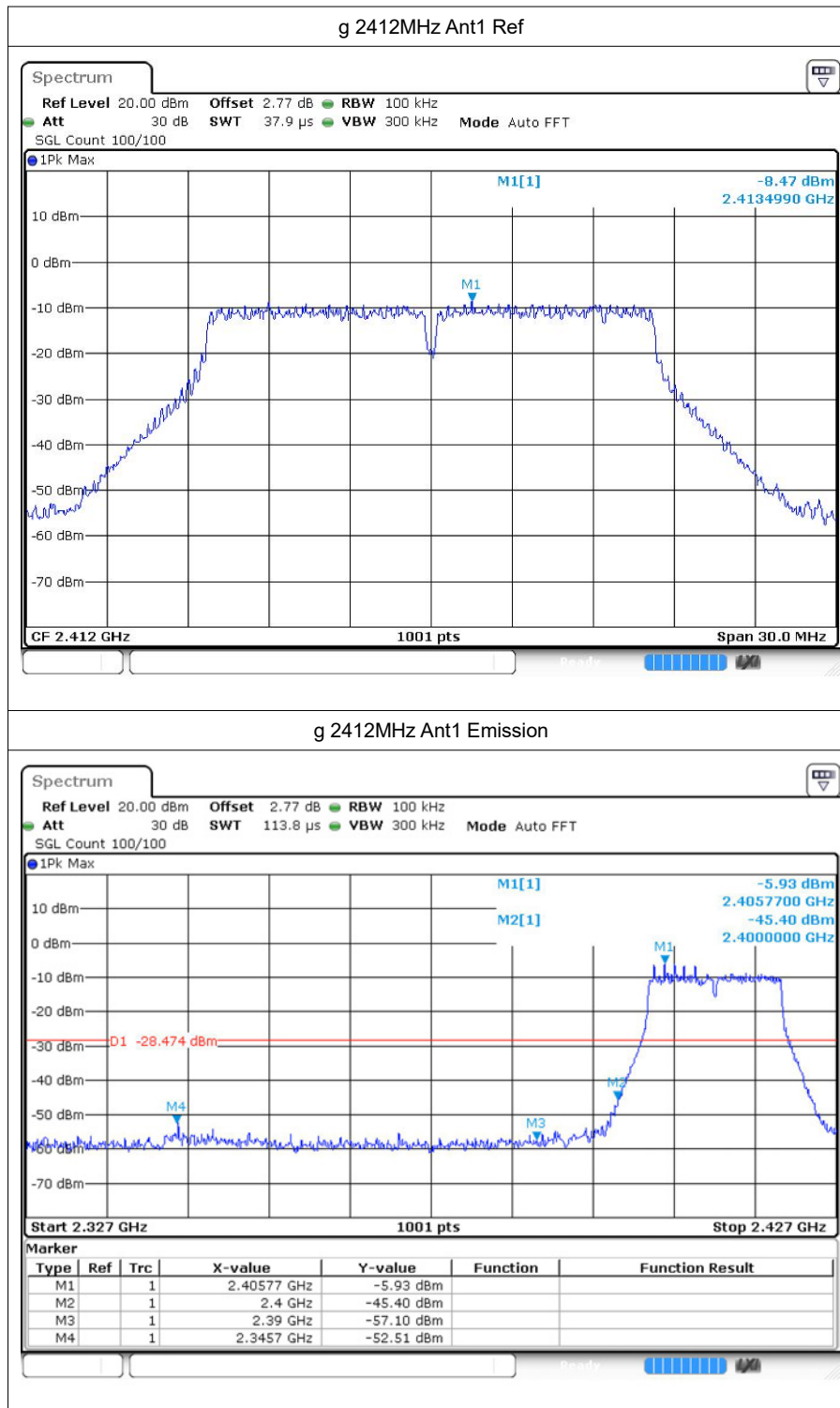
5.1 Test Result

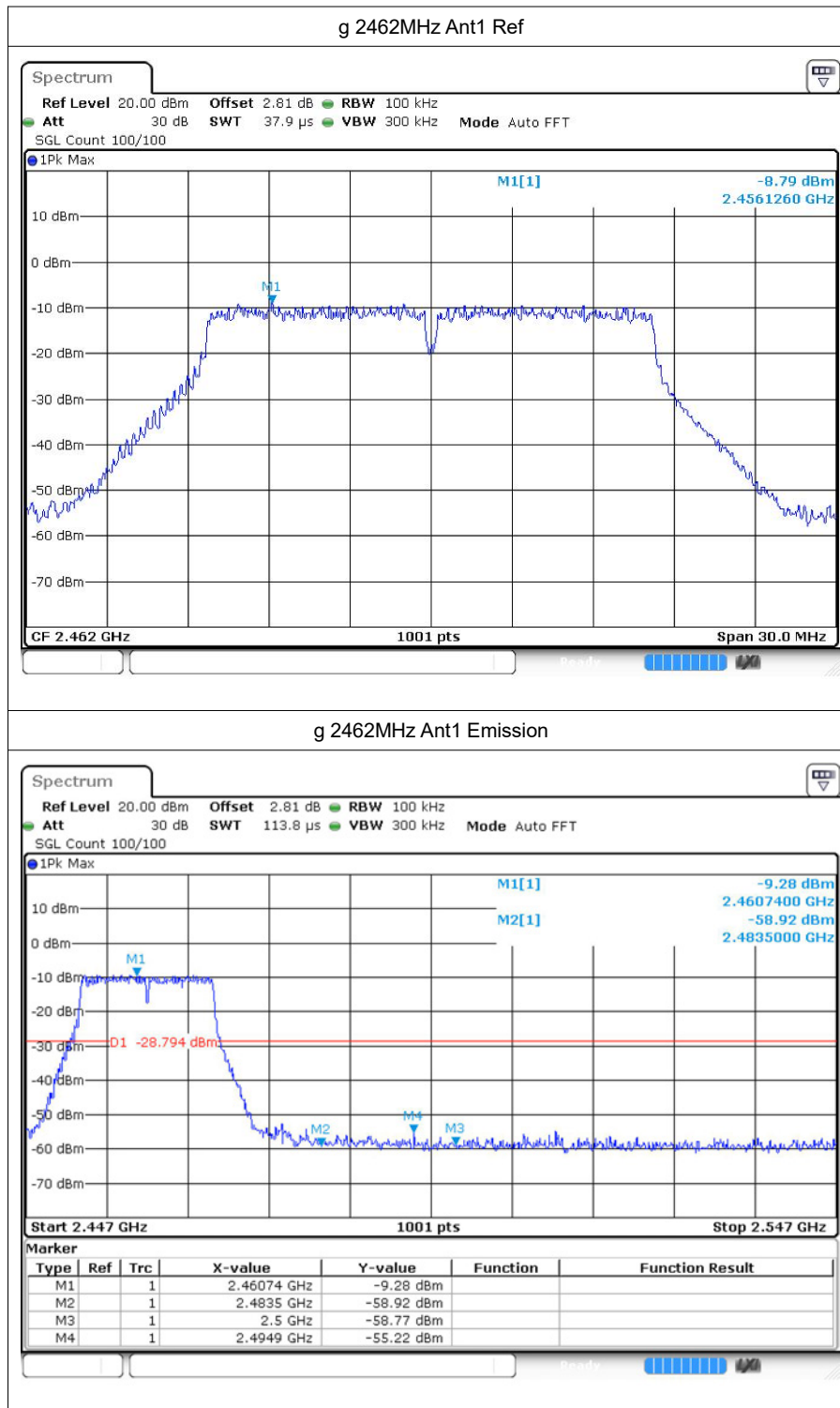
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-52.32	-20	-52.32
b	2462	Ant1	-53.88	-20	Pass
g	2412	Ant1	-44.04	-20	Pass
g	2462	Ant1	-46.42	-20	Pass
n20	2412	Ant1	-44.4	-20	Pass
n20	2462	Ant1	-48.27	-20	Pass
n40	2422	Ant1	-45.62	-20	Pass
n40	2452	Ant1	-43	-20	Pass

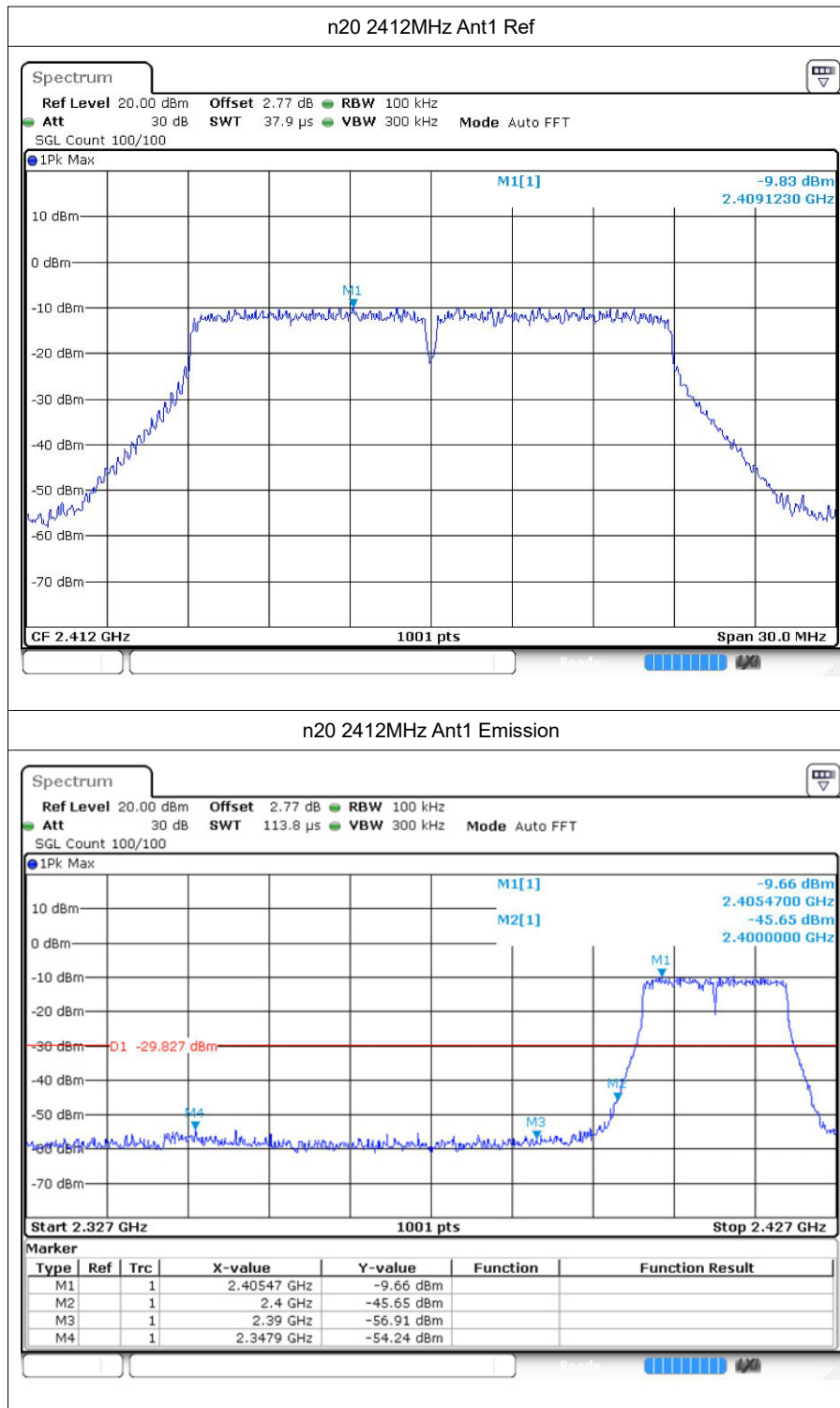
5.2 Test Graphs

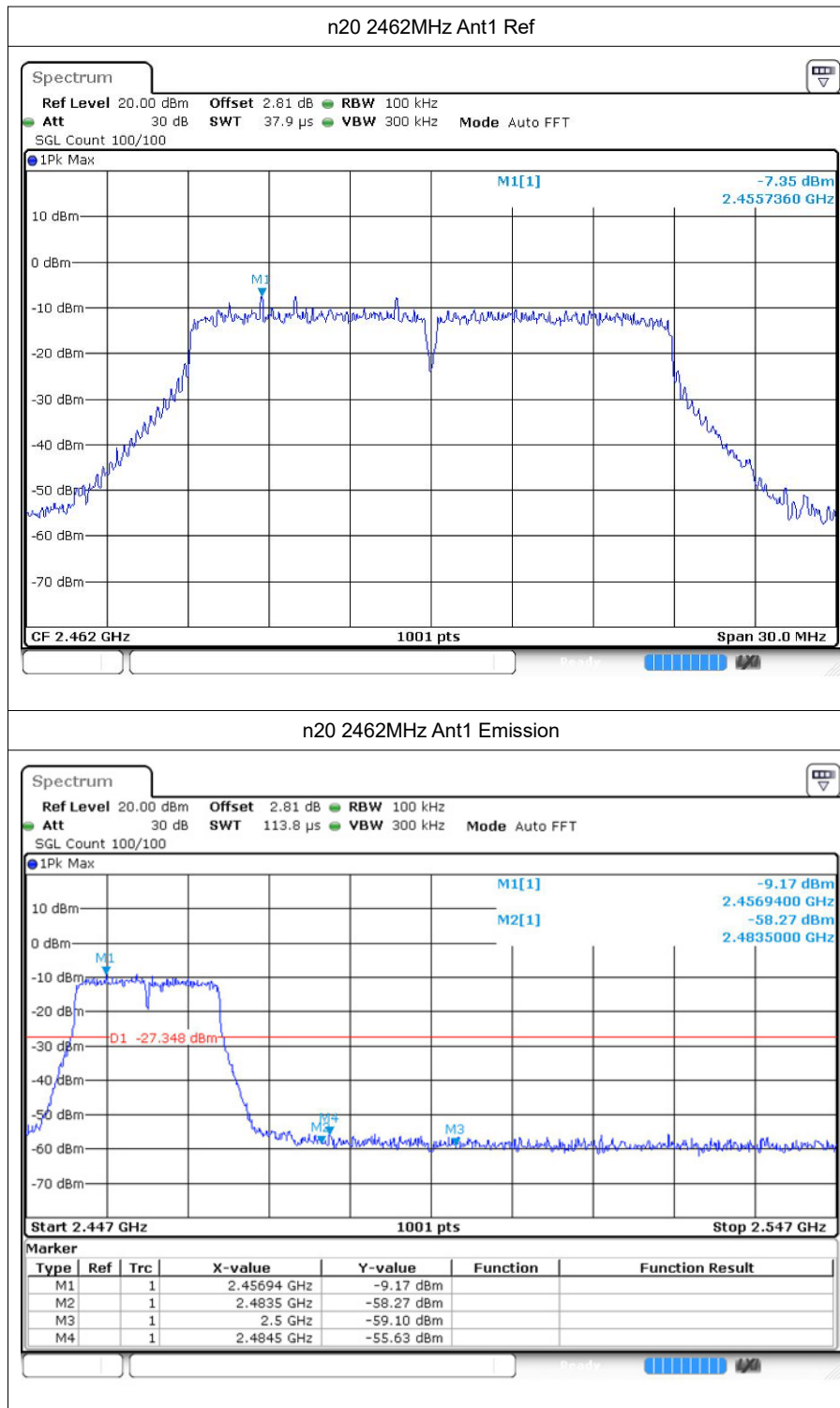


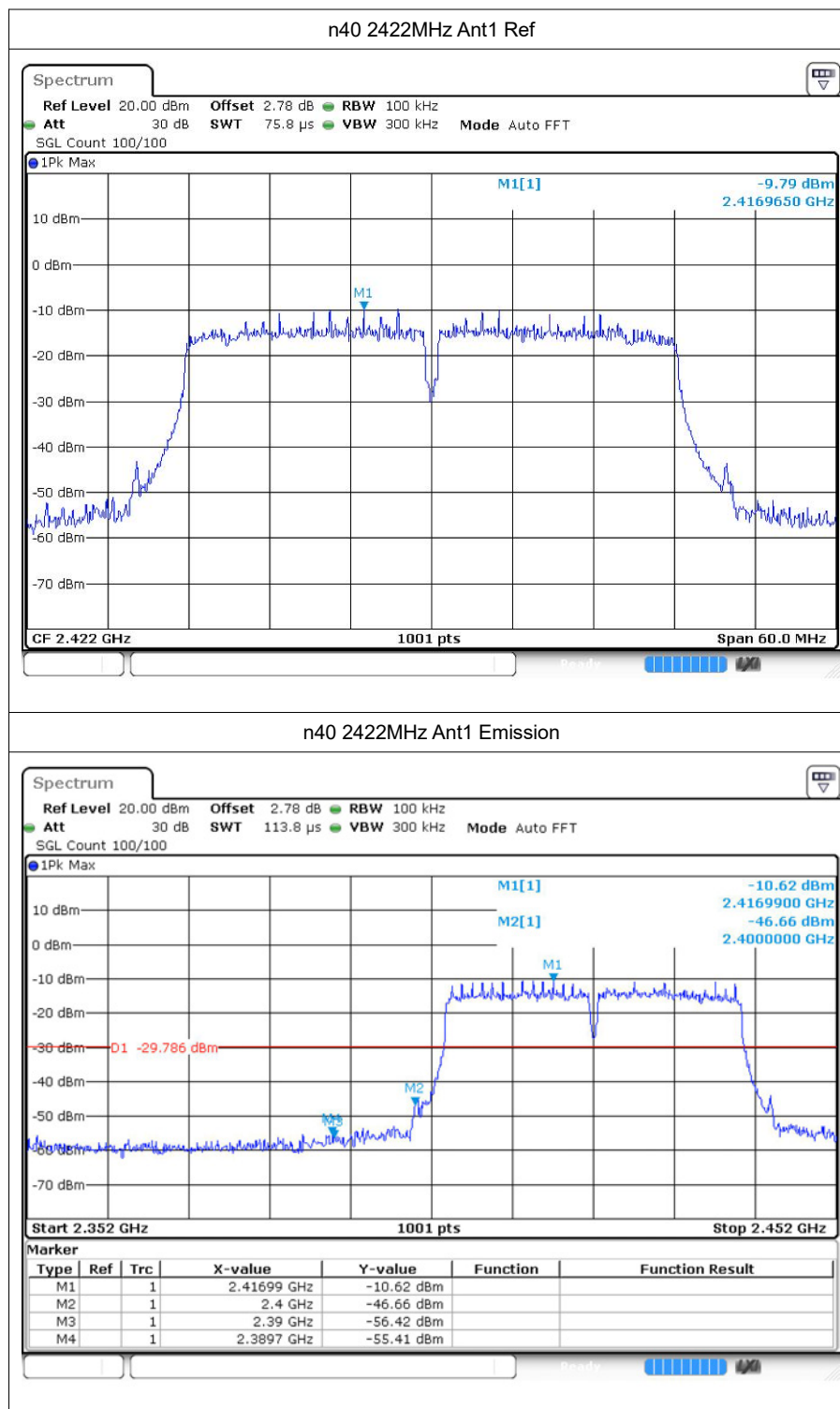


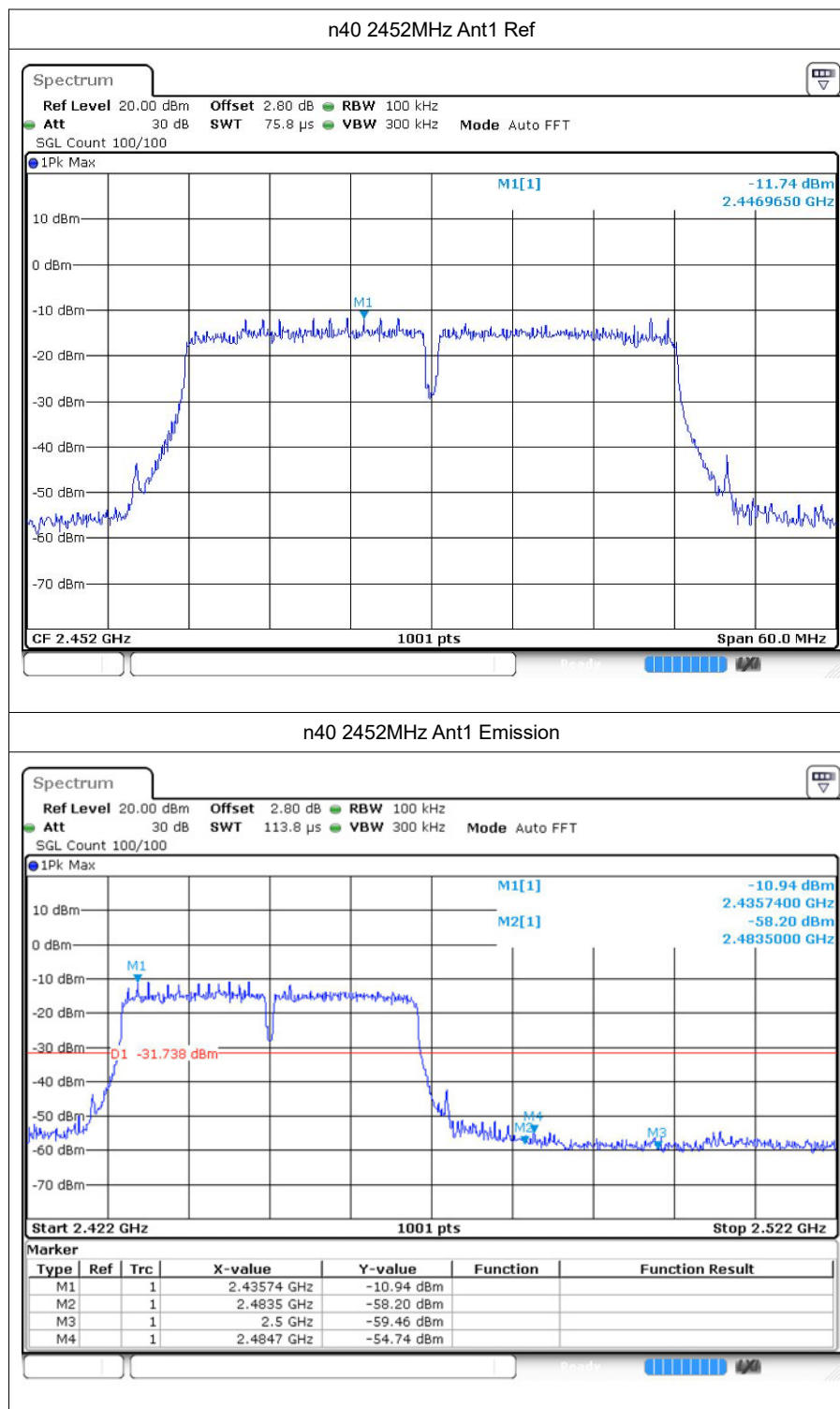














6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-41.94	-20	Pass
b	2437	Ant1	-40.94	-20	Pass
b	2462	Ant1	-42.41	-20	Pass
g	2412	Ant1	-35.39	-20	Pass
g	2437	Ant1	-34.16	-20	Pass
g	2462	Ant1	-33.77	-20	Pass
n20	2412	Ant1	-33.27	-20	Pass
n20	2437	Ant1	-36.26	-20	Pass
n20	2462	Ant1	-36.57	-20	Pass
n40	2422	Ant1	-33.83	-20	Pass
n40	2437	Ant1	-33.41	-20	Pass
n40	2452	Ant1	-33.57	-20	Pass