



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Hidden wifi Car Dashcam

Trade Mark: N/A

Test Model: KH1

Environmental Conditions

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



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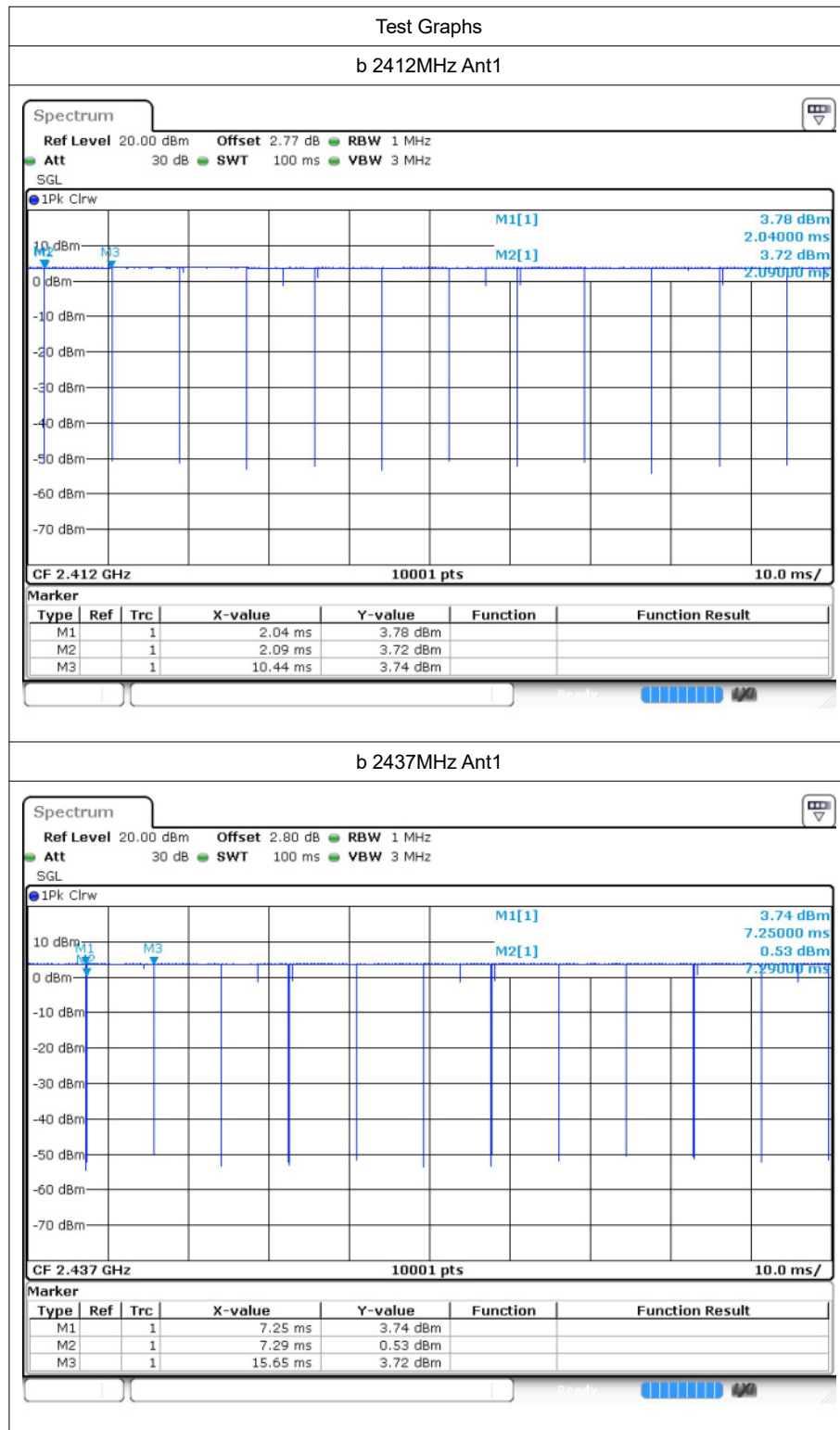


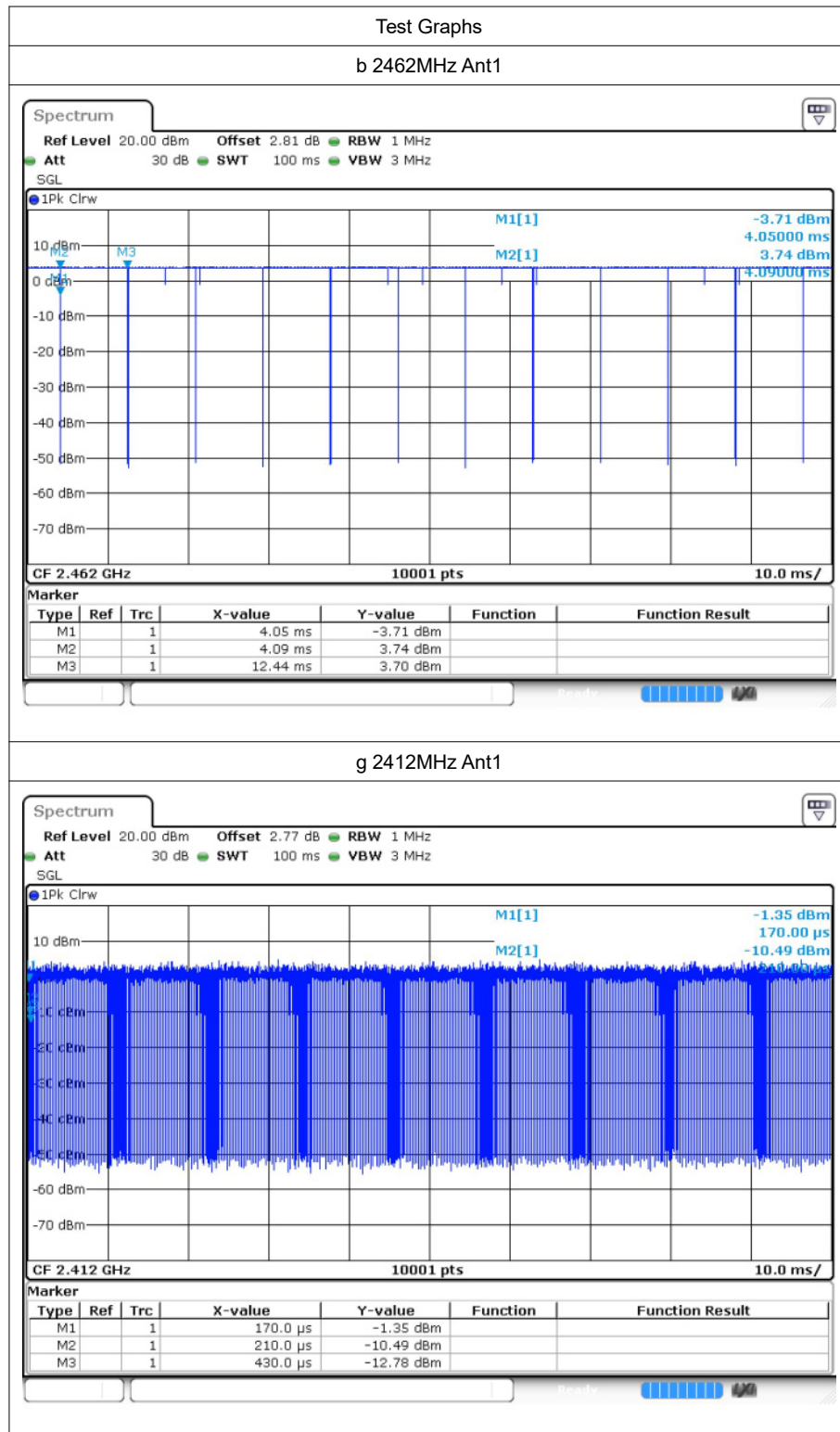
1 Duty Cycle

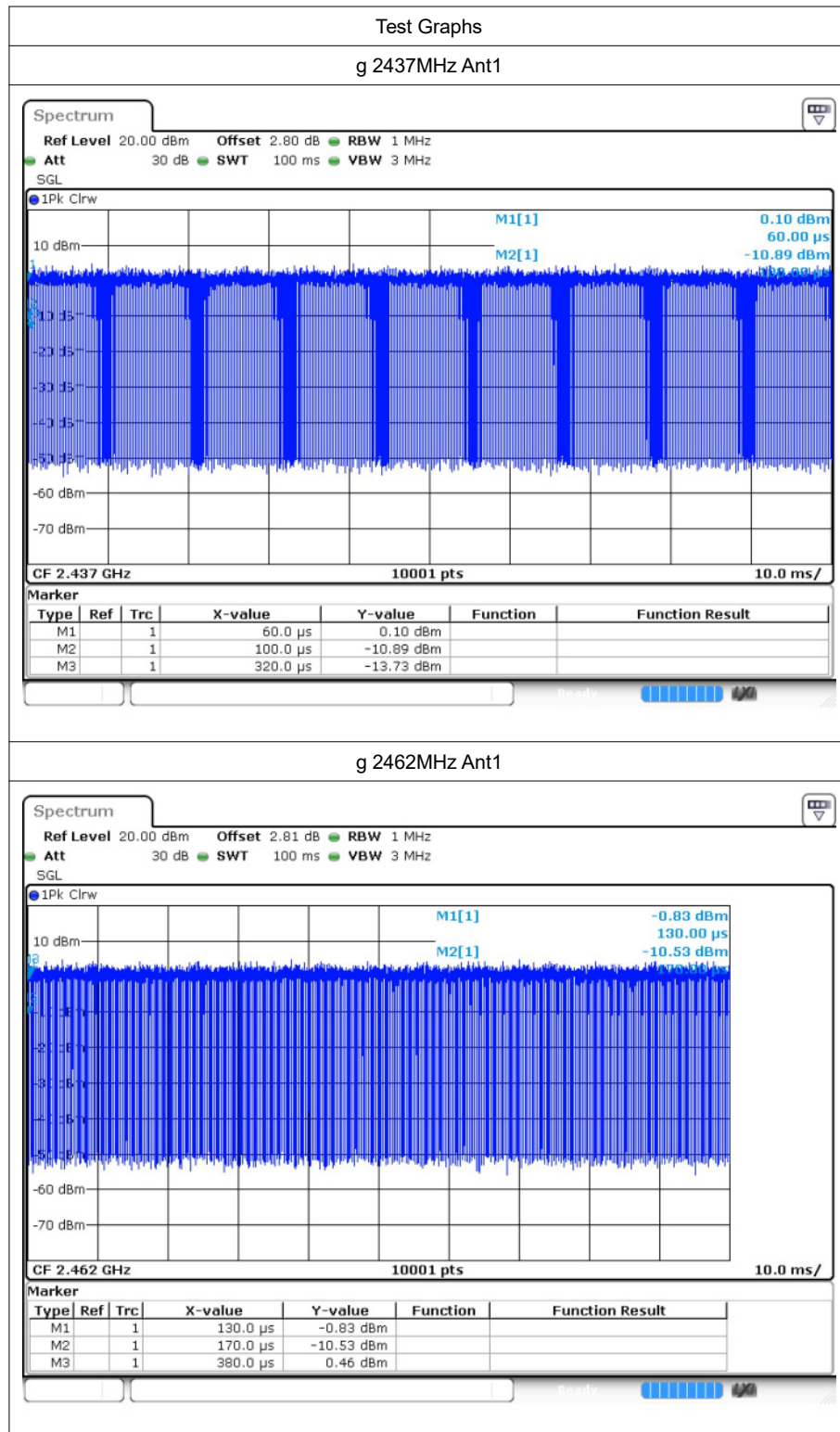
1.1 Test Result

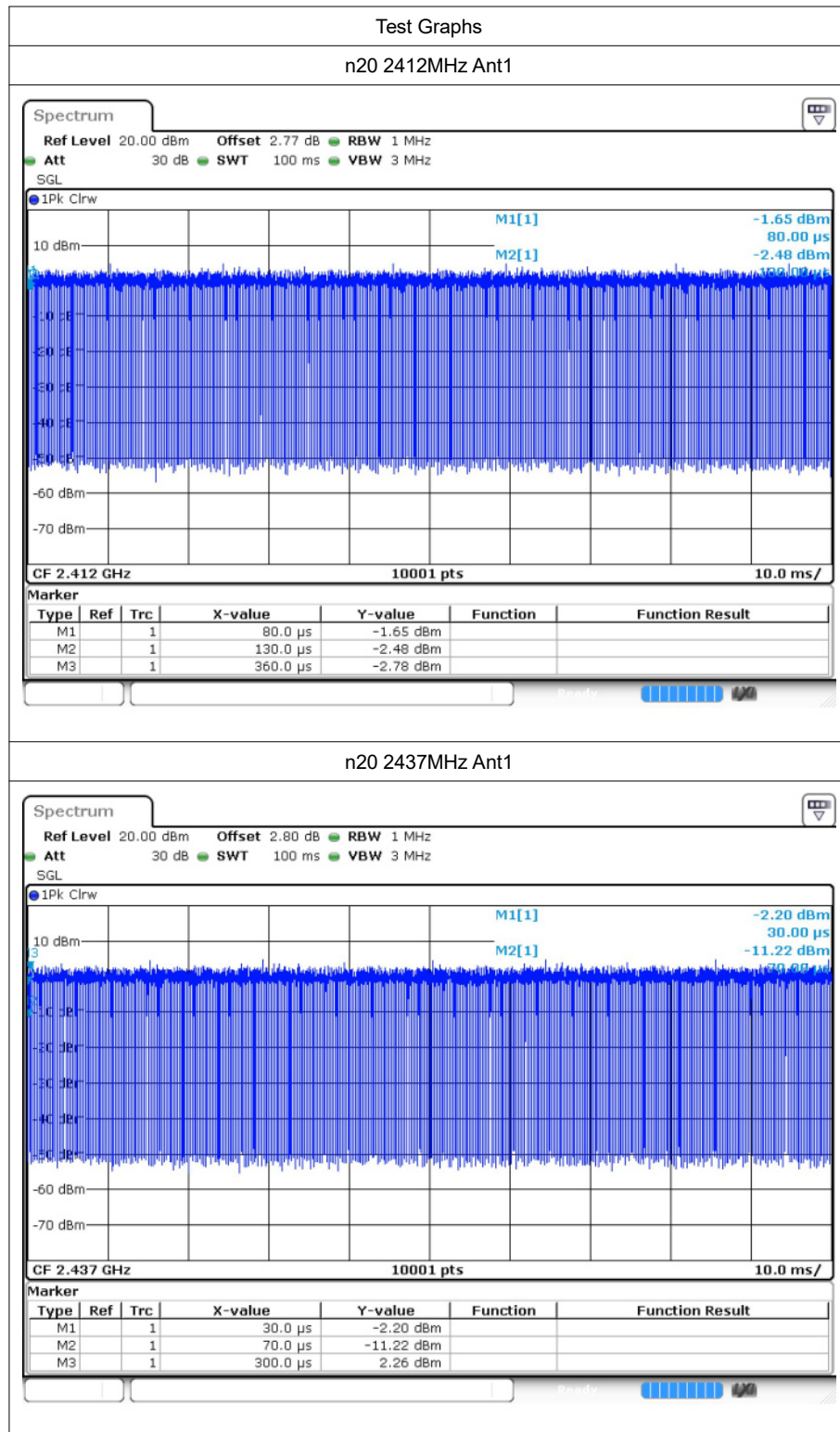
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	99.59	0.02	0.12
b	2437	Ant1	99.6	0.02	0.12
b	2462	Ant1	99.6	0.02	0.12
g	2412	Ant1	86.92	0.61	4.55
g	2437	Ant1	86.88	0.61	4.55
g	2462	Ant1	86.89	0.61	4.76
n20	2412	Ant1	87.59	0.58	4.35
n20	2437	Ant1	87.58	0.58	4.35
n20	2462	Ant1	87.62	0.57	4.17

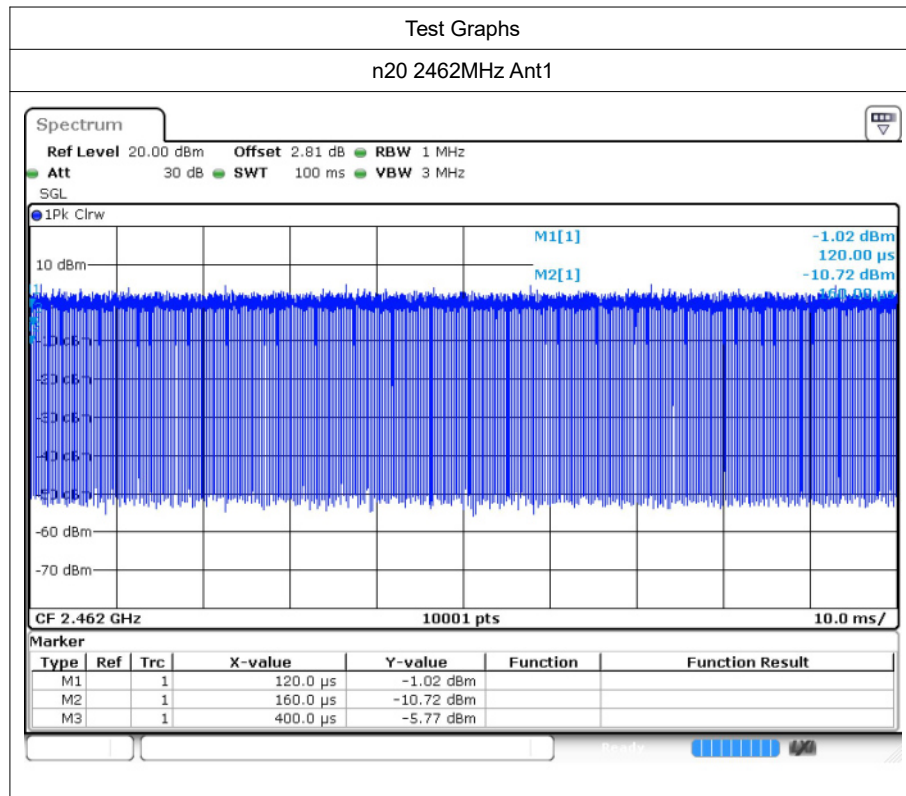
1.2 Test Graphs













2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	14.18	30	Pass
b	2437	Ant1	14.22	30	Pass
b	2462	Ant1	14.22	30	Pass
g	2412	Ant1	13.96	30	Pass
g	2437	Ant1	13.83	30	Pass
g	2462	Ant1	14.05	30	Pass
n20	2412	Ant1	13.76	30	Pass
n20	2437	Ant1	13.53	30	Pass
n20	2462	Ant1	13.67	30	Pass

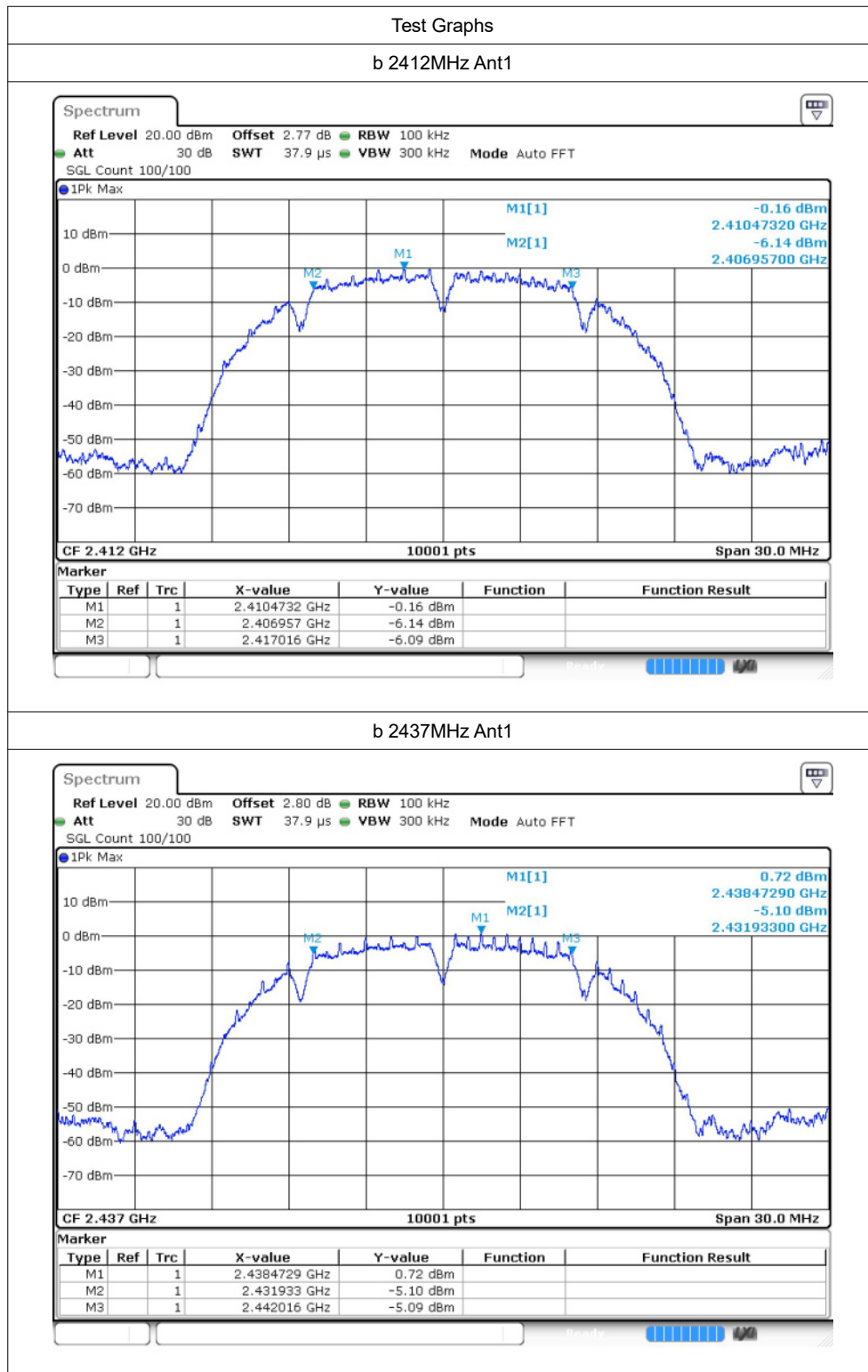


3 -6dB Bandwidth

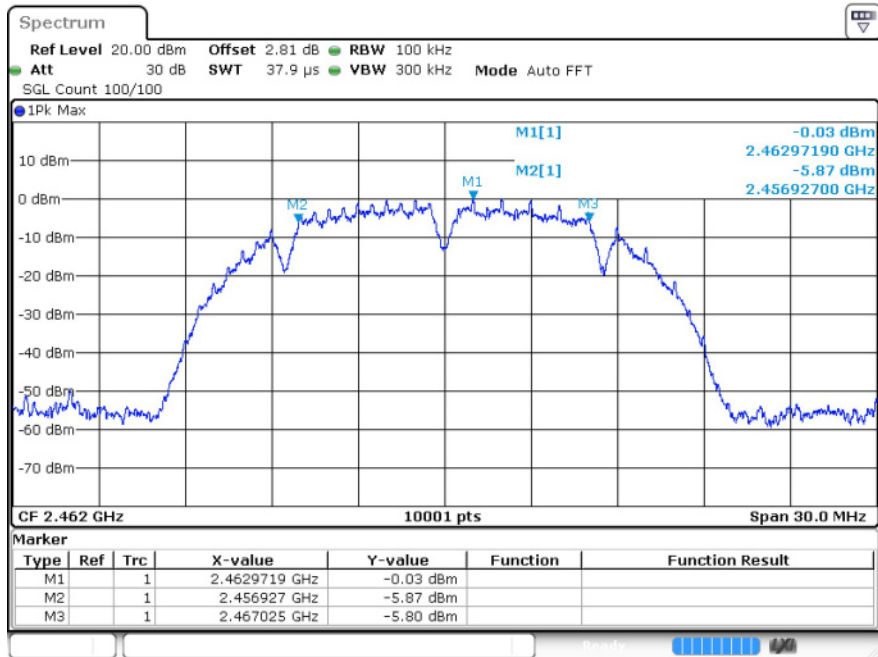
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.059	0.5	Pass
b	2437	Ant1	10.083	0.5	Pass
b	2462	Ant1	10.098	0.5	Pass
g	2412	Ant1	15.114	0.5	Pass
g	2437	Ant1	15.021	0.5	Pass
g	2462	Ant1	15.126	0.5	Pass
n20	2412	Ant1	15.084	0.5	Pass
n20	2437	Ant1	15.108	0.5	Pass
n20	2462	Ant1	15.078	0.5	Pass

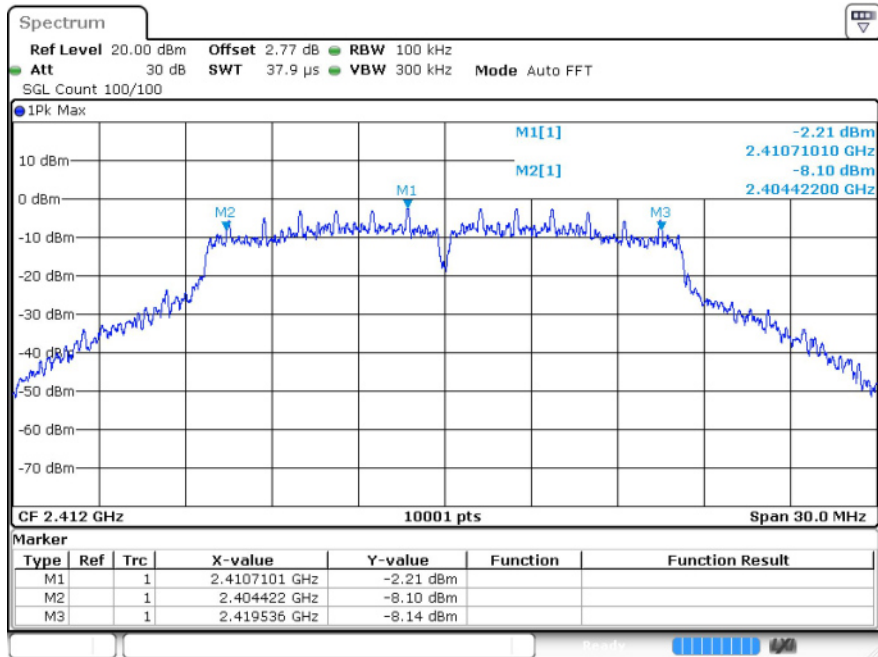
3.2 Test Graphs



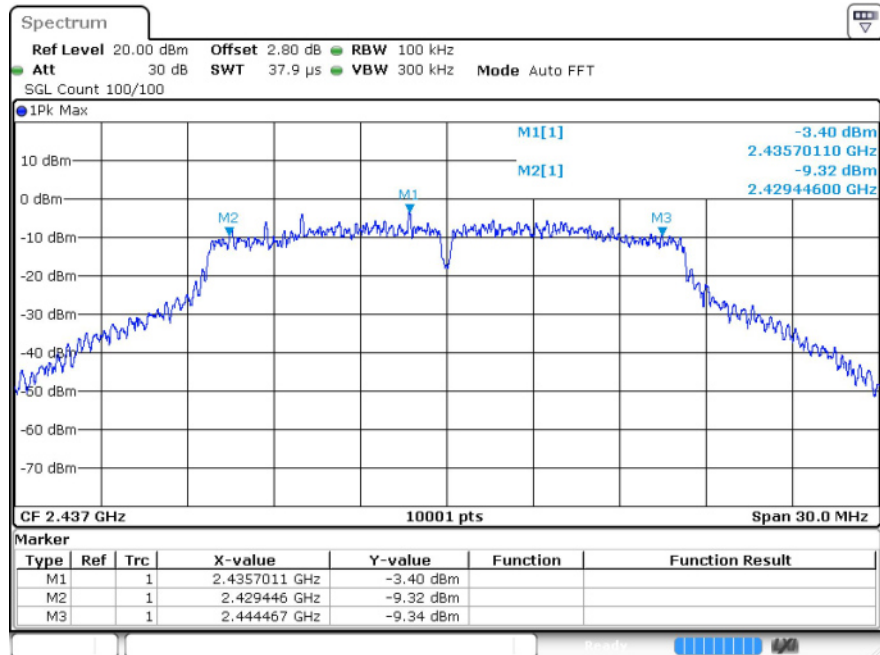
b 2462MHz Ant1



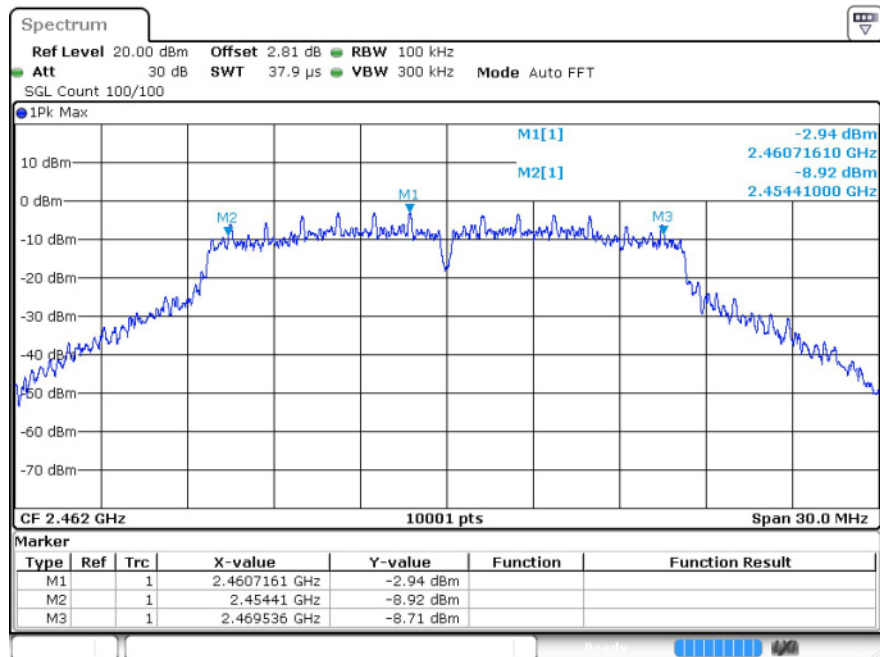
g 2412MHz Ant1

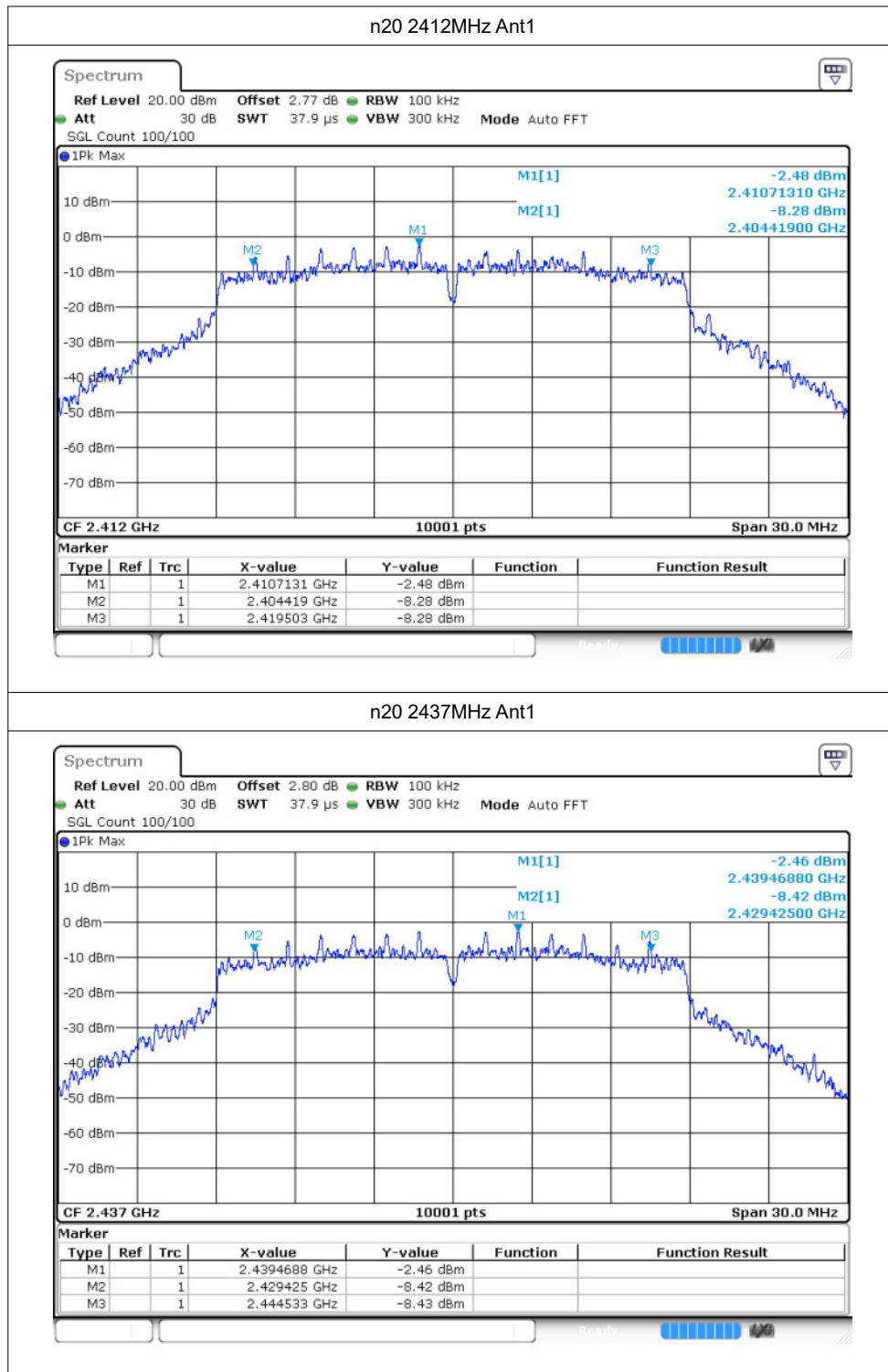


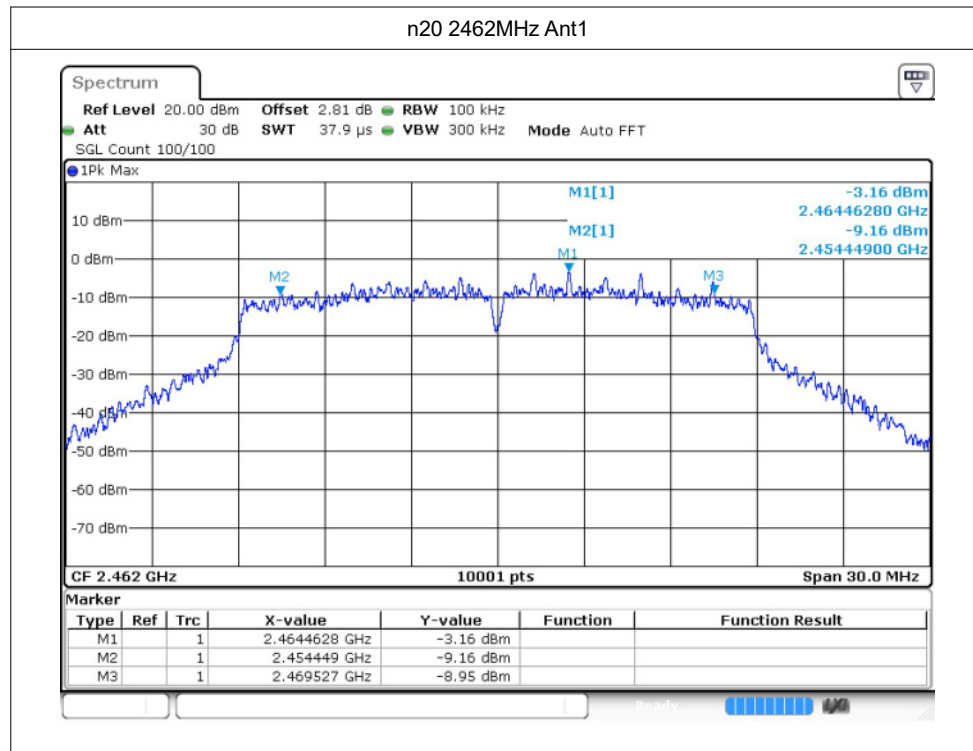
g 2437MHz Ant1



g 2462MHz Ant1





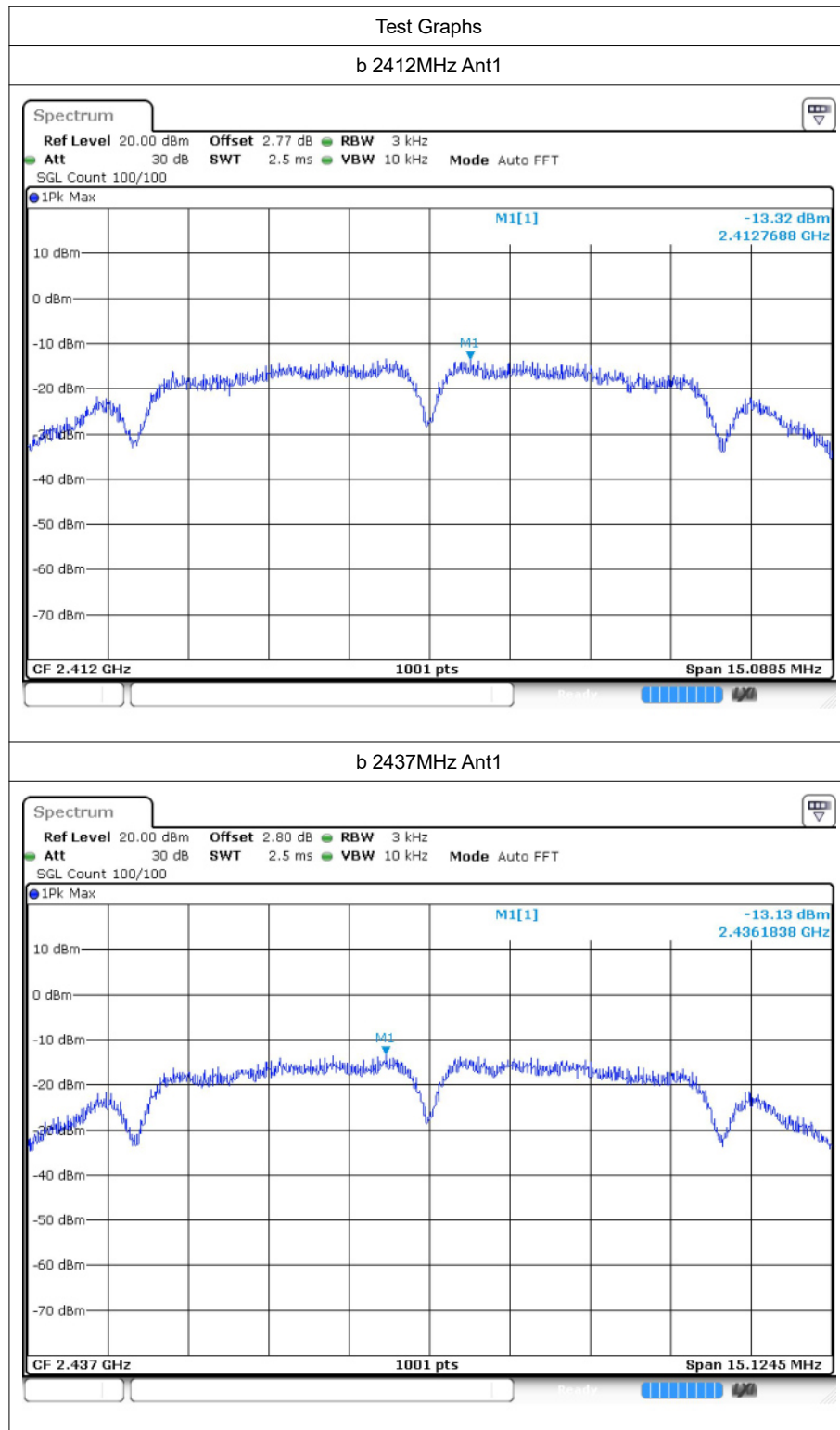


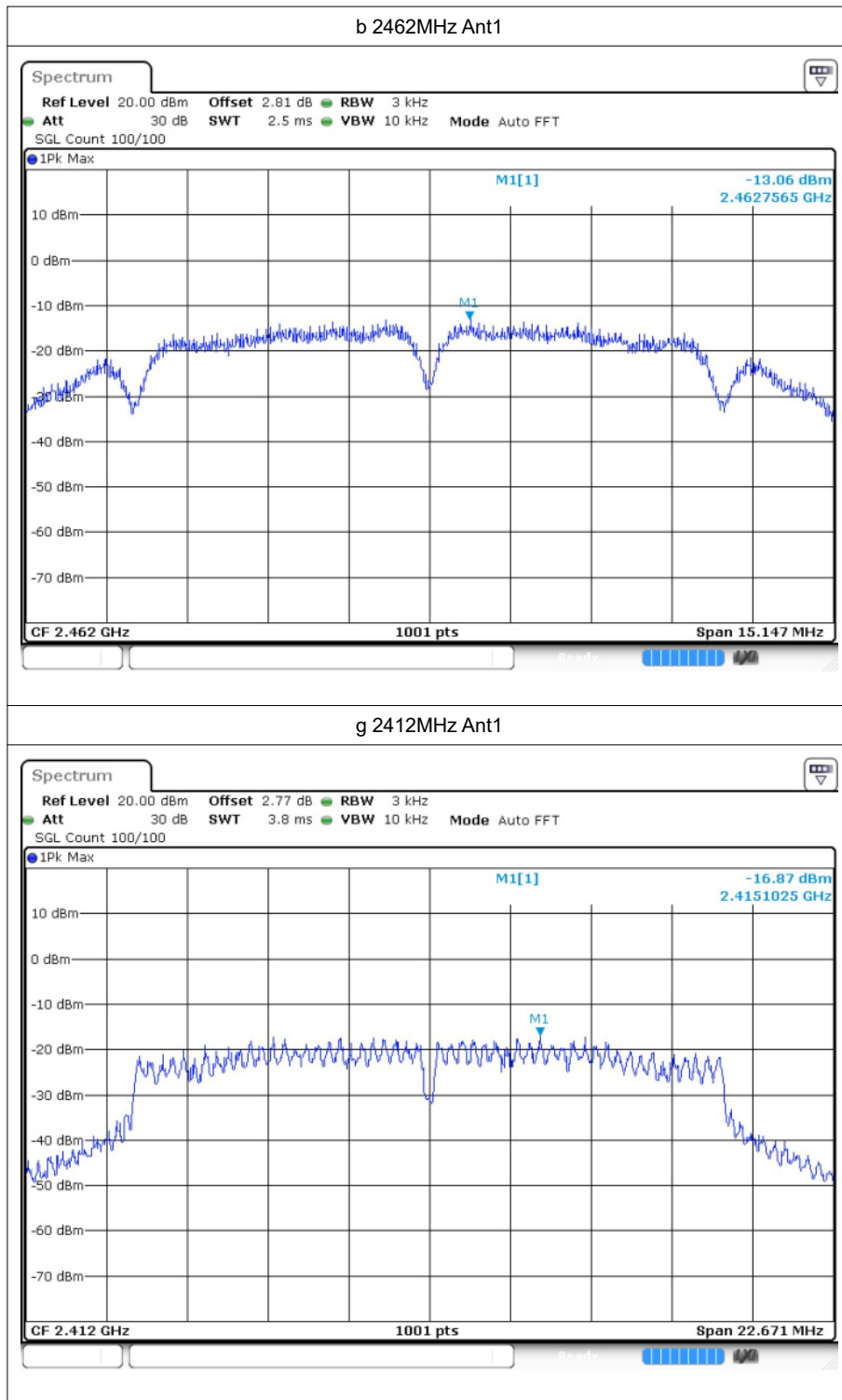
4 Maximum Power Spectral Density Level

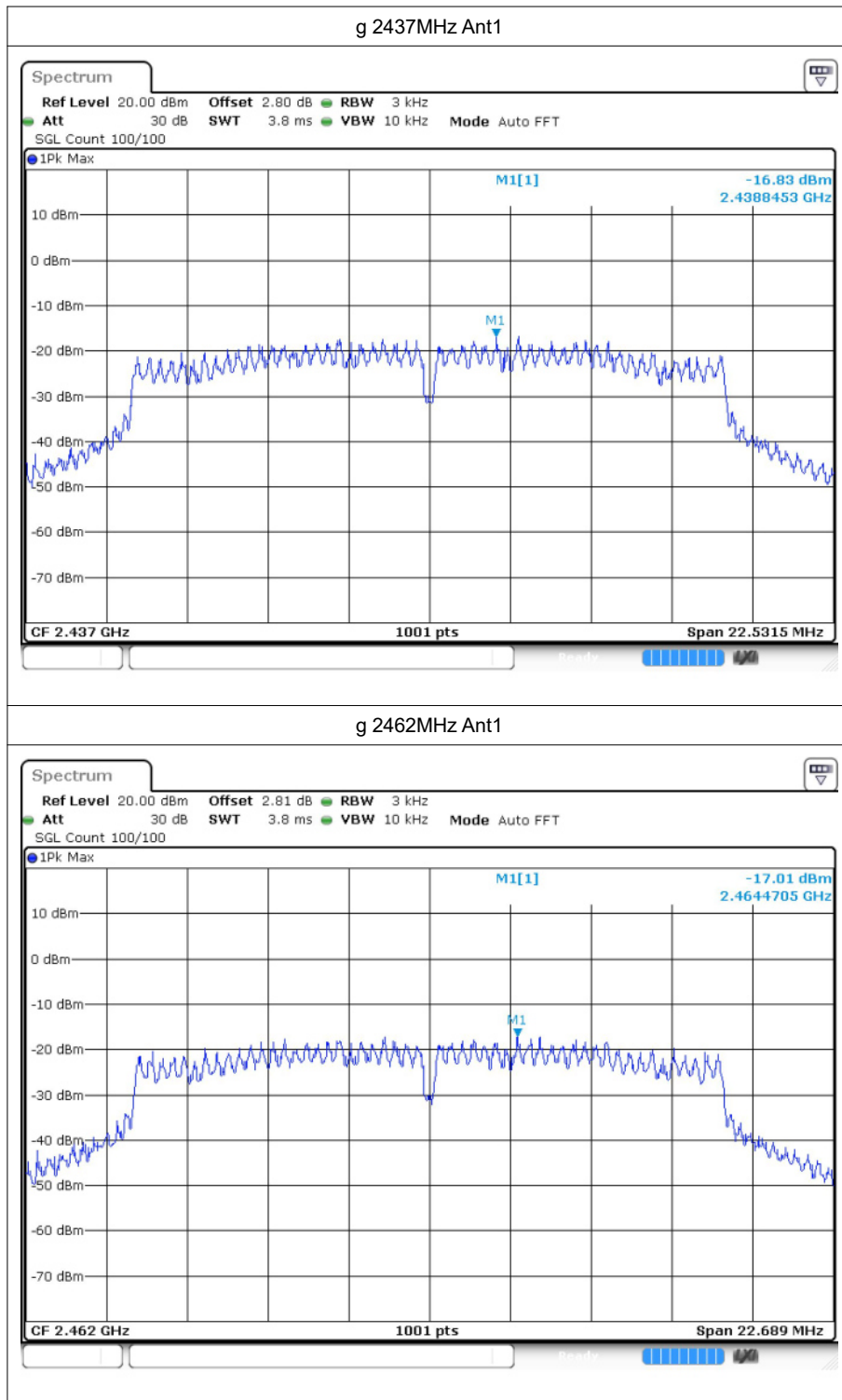
4.1 Test Result

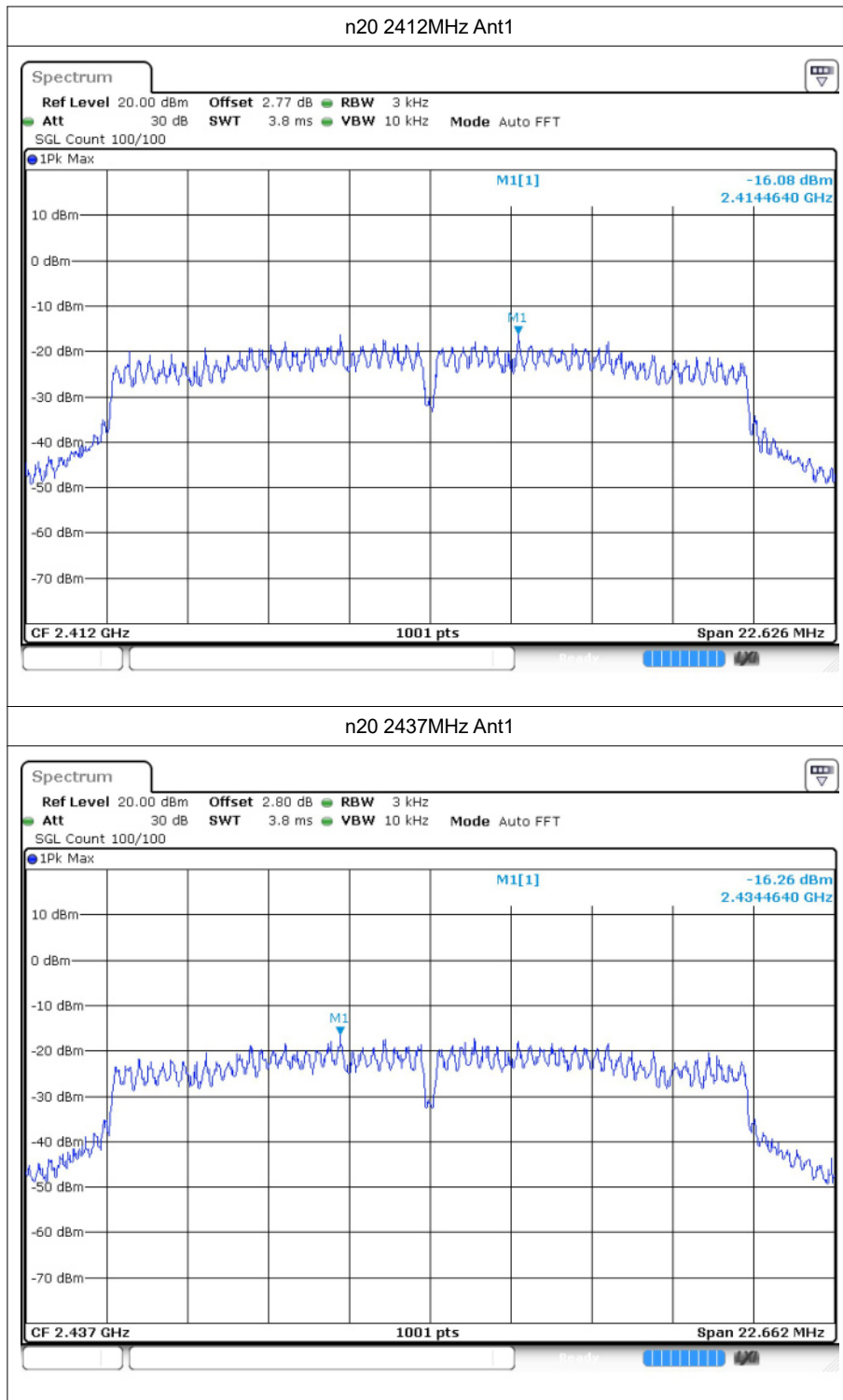
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-13.32	≤ 8	Pass
b	2437	Ant1	-13.13	≤ 8	Pass
b	2462	Ant1	-13.06	≤ 8	Pass
g	2412	Ant1	-16.87	≤ 8	Pass
g	2437	Ant1	-16.83	≤ 8	Pass
g	2462	Ant1	-17.01	≤ 8	Pass
n20	2412	Ant1	-16.08	≤ 8	Pass
n20	2437	Ant1	-16.26	≤ 8	Pass
n20	2462	Ant1	-17.32	≤ 8	Pass

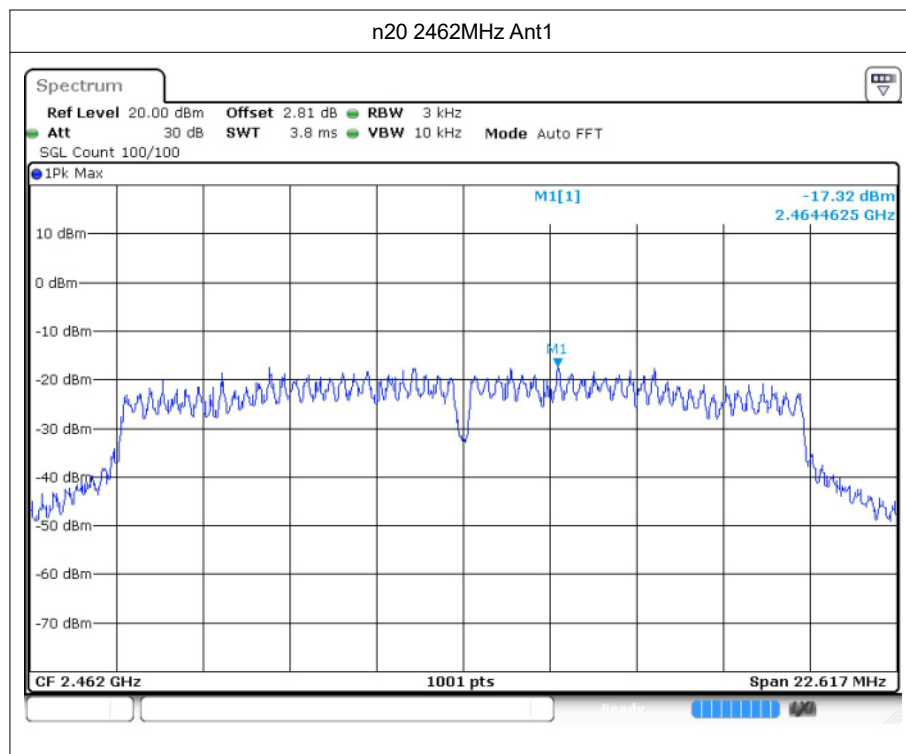
4.2 Test Graphs













5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-55.02	-20	Pass
b	2462	Ant1	-55.02	-20	Pass
g	2412	Ant1	-52.09	-20	Pass
g	2462	Ant1	-52.93	-20	Pass
n20	2412	Ant1	-52.67	-20	Pass
n20	2462	Ant1	-53.31	-20	Pass

5.2 Test Graphs

