



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: wireless visual ear pick

Trade Mark: N/A

Test Model: S1

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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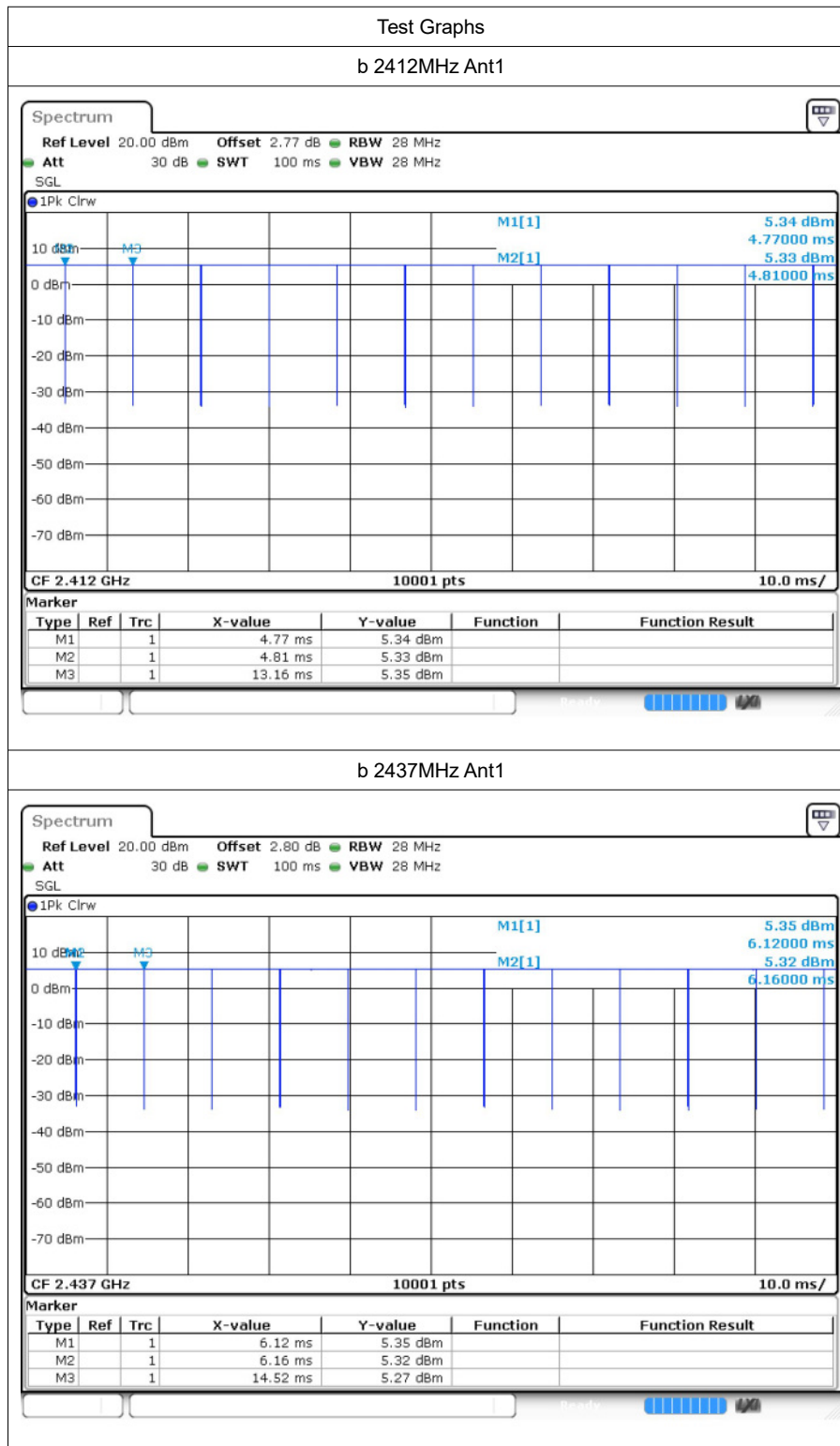


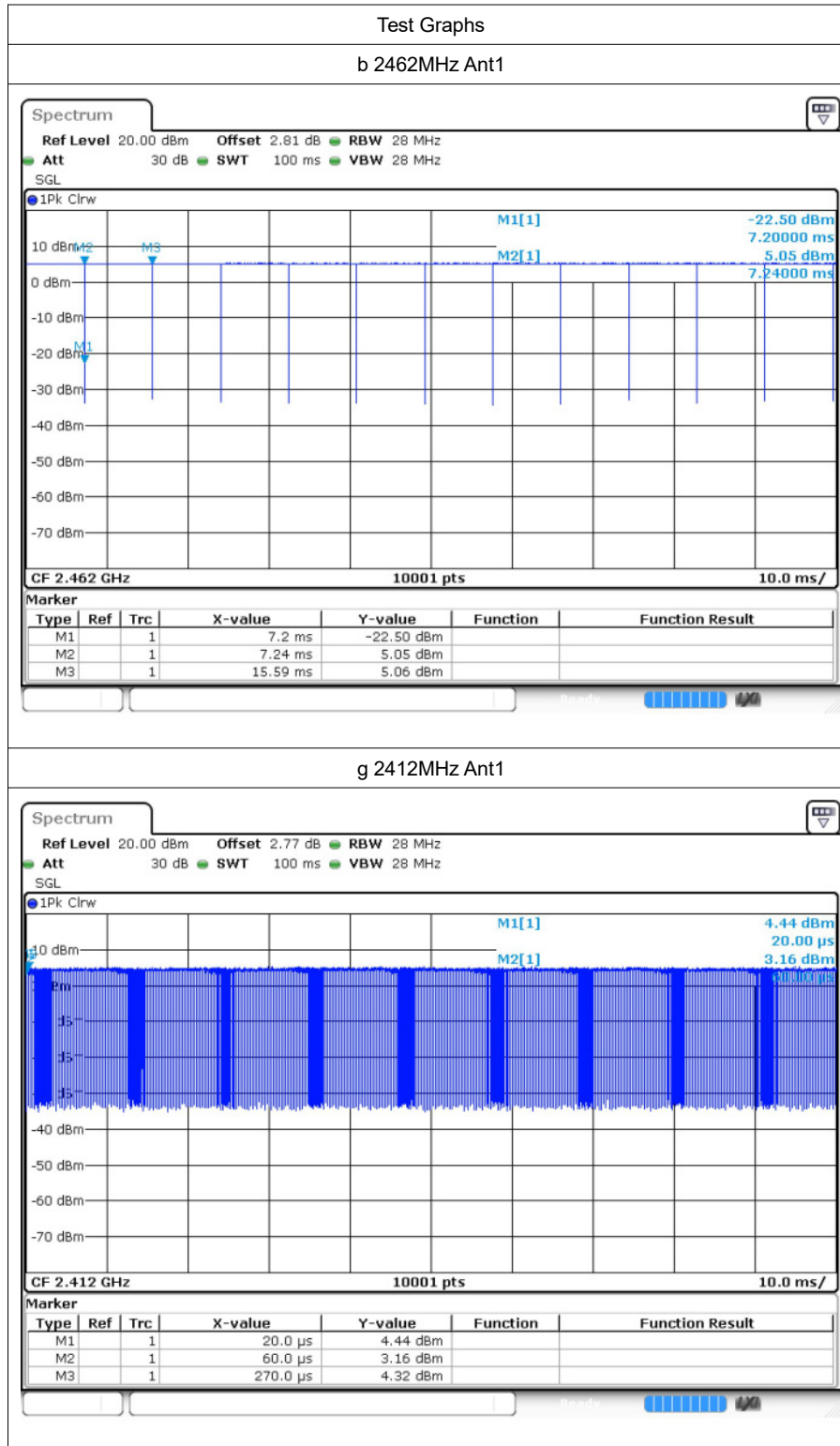
1 Duty Cycle

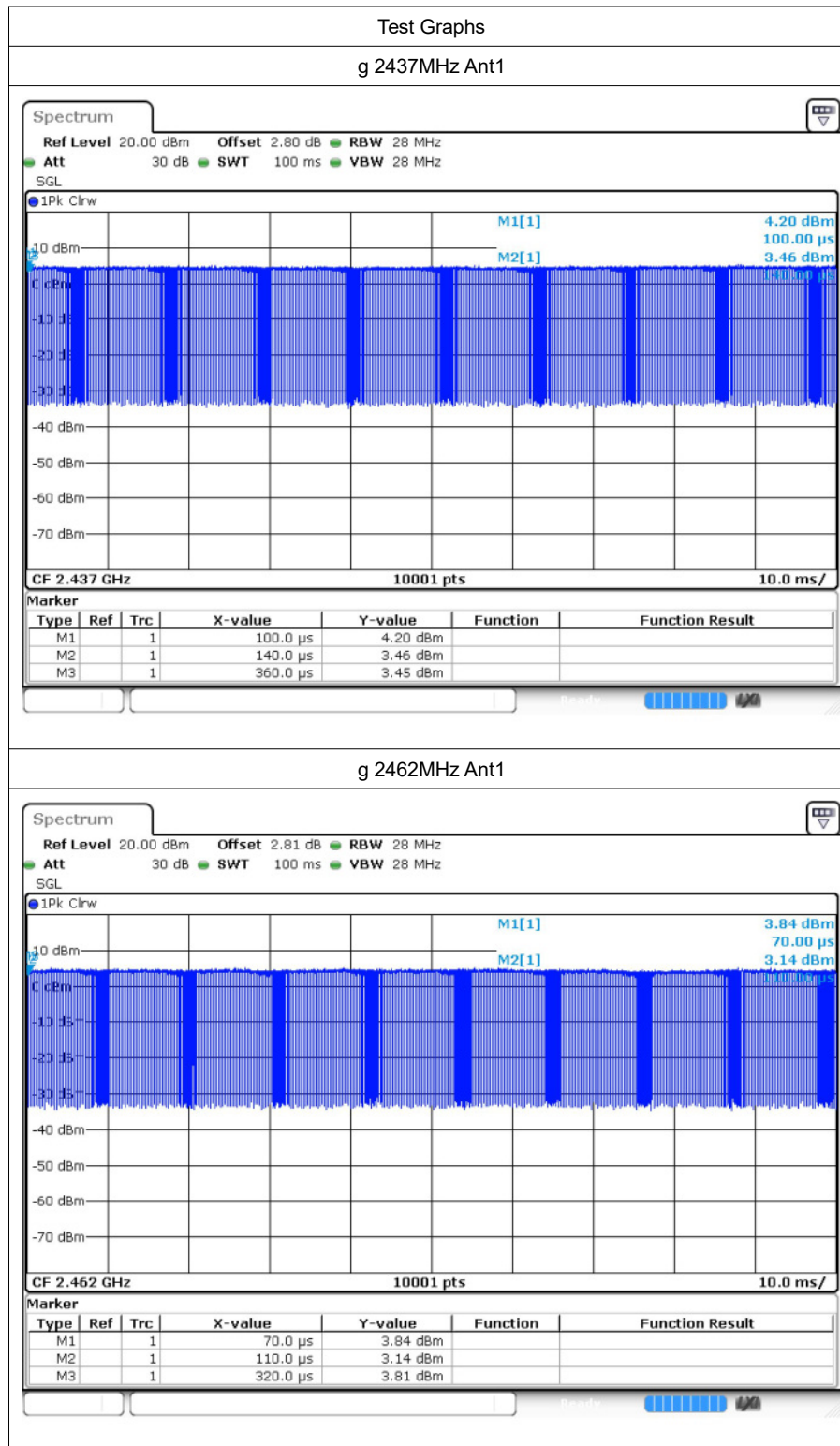
1.1 Test Result

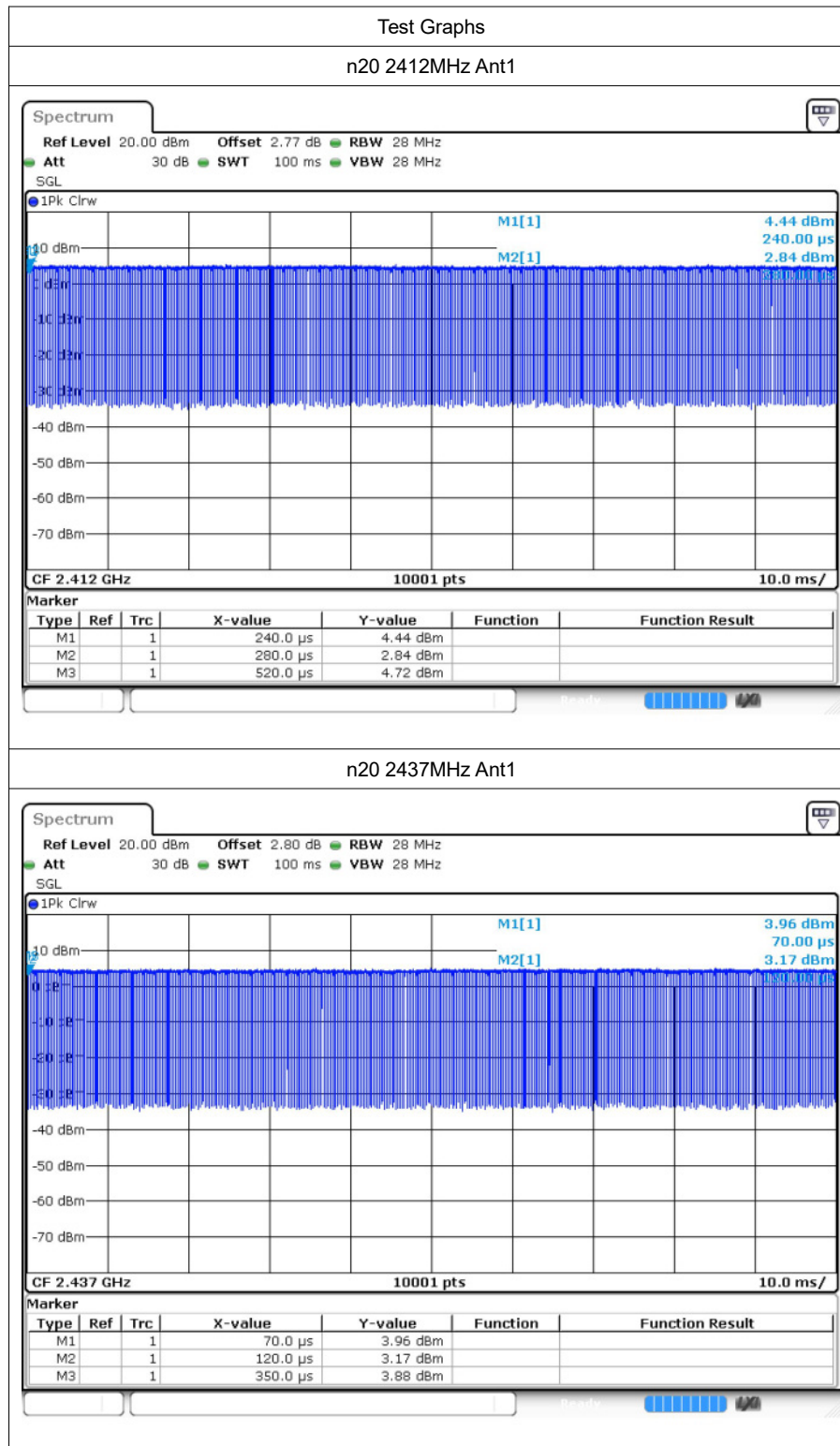
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	99.59	0.02	0.12
b	2437	Ant1	99.6	0.02	0.12
b	2462	Ant1	99.62	0.02	0.12
g	2412	Ant1	86.78	0.62	4.76
g	2437	Ant1	86.87	0.61	4.55
g	2462	Ant1	86.81	0.61	4.76
n20	2412	Ant1	87.48	0.58	4.17
n20	2437	Ant1	87.5	0.58	4.35
n20	2462	Ant1	87.5	0.58	4.17

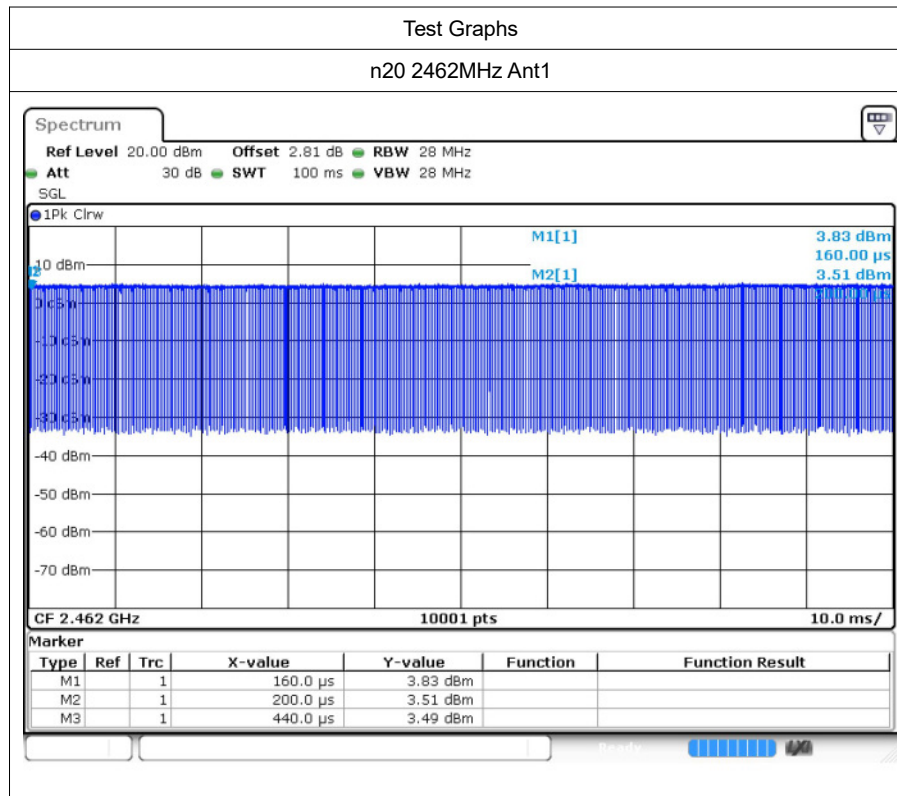
1.2 Test Graphs













2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	6.4	30	Pass
b	2437	Ant1	6.3	30	Pass
b	2462	Ant1	6.21	30	Pass
g	2412	Ant1	6.41	30	Pass
g	2437	Ant1	6.14	30	Pass
g	2462	Ant1	6.01	30	Pass
n20	2412	Ant1	6.14	30	Pass
n20	2437	Ant1	6.35	30	Pass
n20	2462	Ant1	5.83	30	Pass

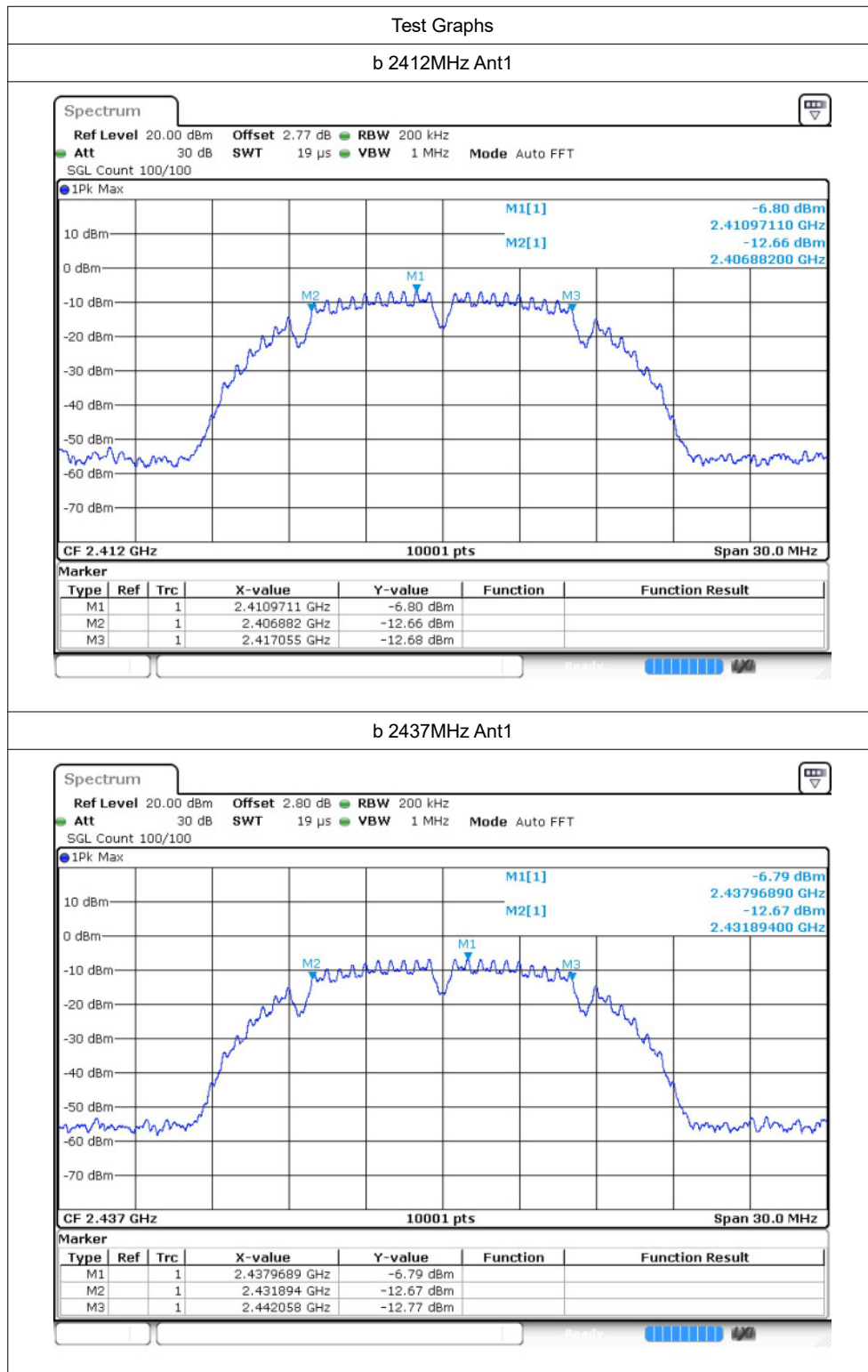


3 -6dB Bandwidth

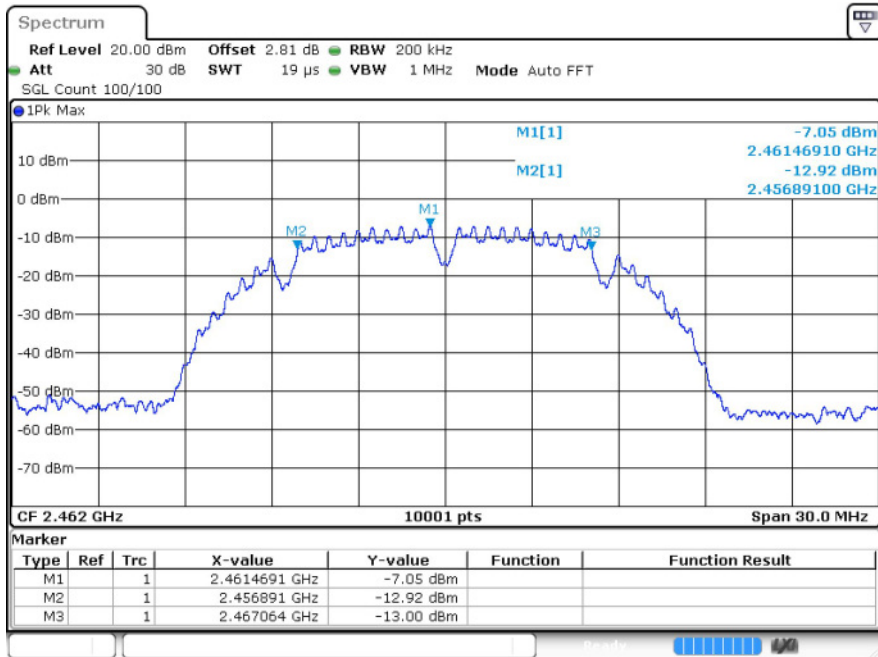
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.173	0.5	Pass
b	2437	Ant1	10.164	0.5	Pass
b	2462	Ant1	10.173	0.5	Pass
g	2412	Ant1	15.207	0.5	Pass
g	2437	Ant1	15.51	0.5	Pass
g	2462	Ant1	15.306	0.5	Pass
n20	2412	Ant1	16.287	0.5	Pass
n20	2437	Ant1	15.195	0.5	Pass
n20	2462	Ant1	16.14	0.5	Pass

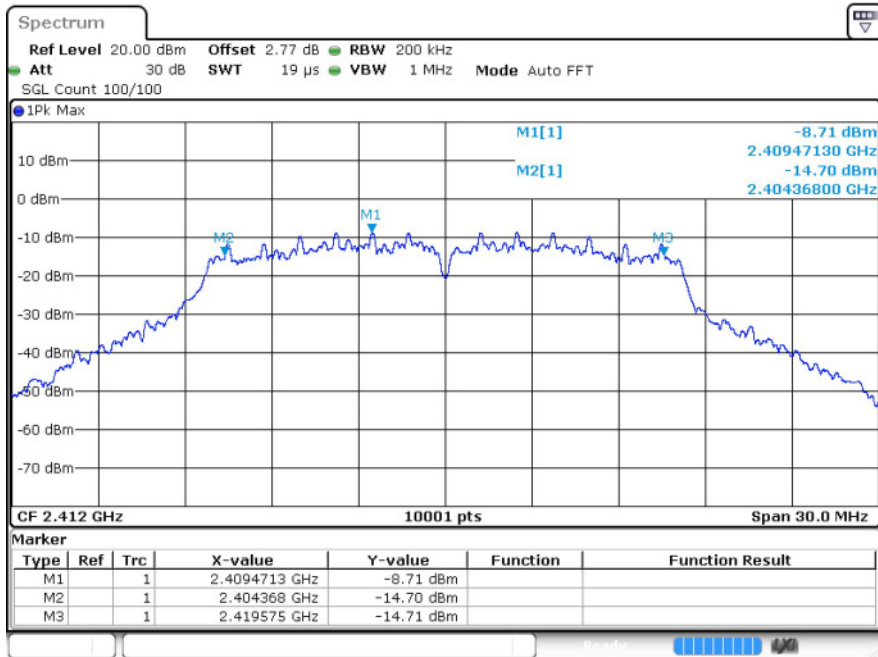
3.2 Test Graphs



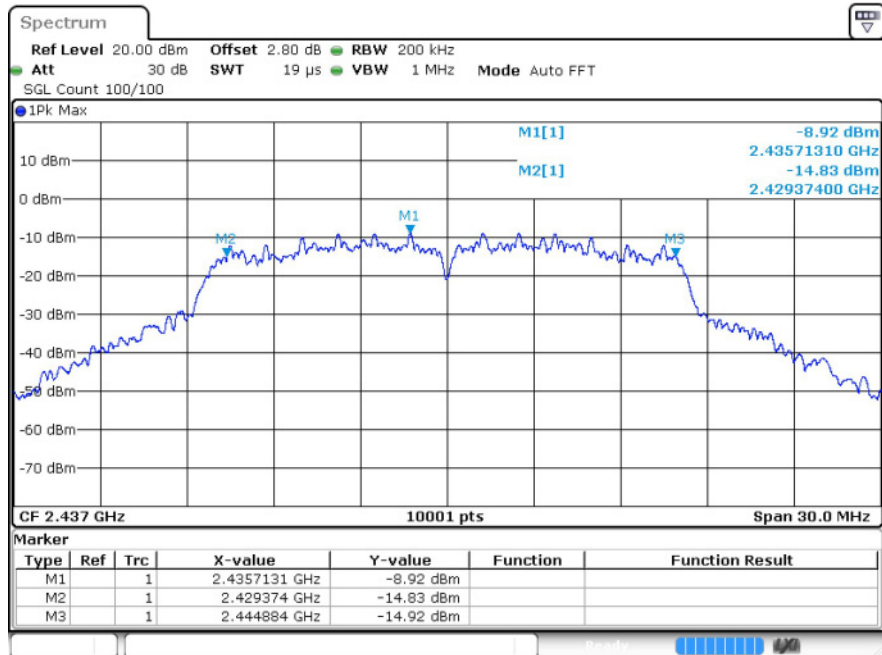
b 2462MHz Ant1



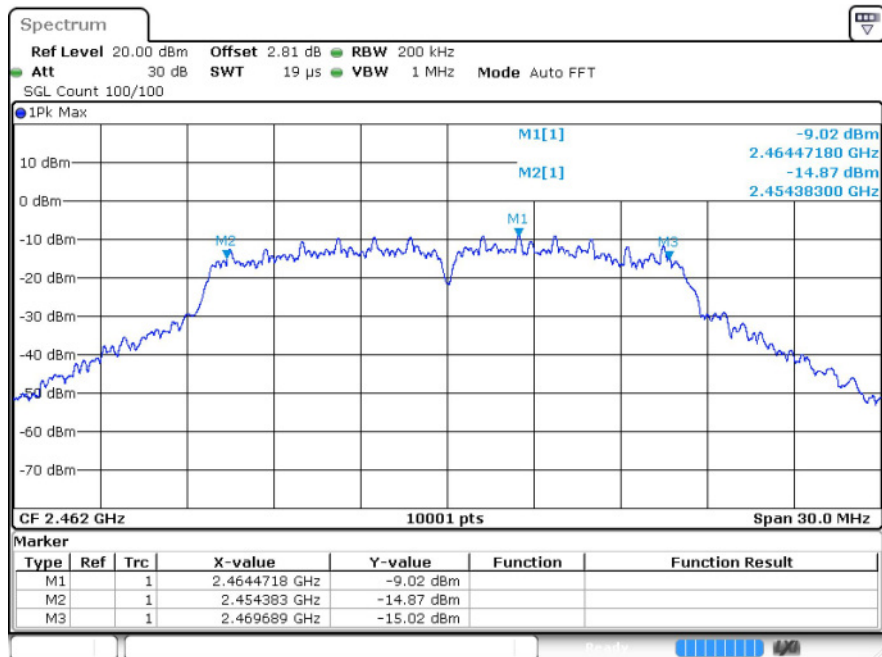
g 2412MHz Ant1



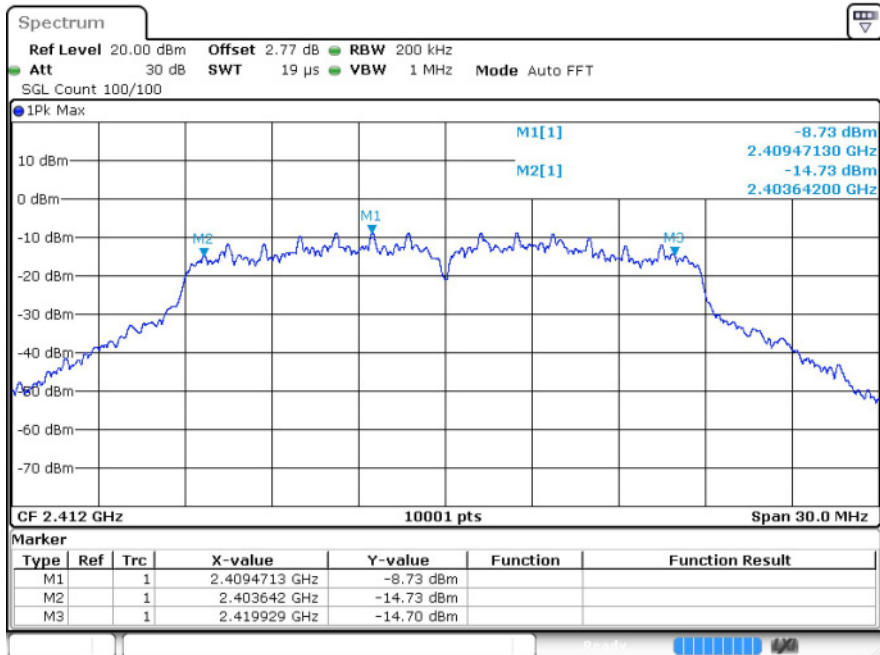
g 2437MHz Ant1



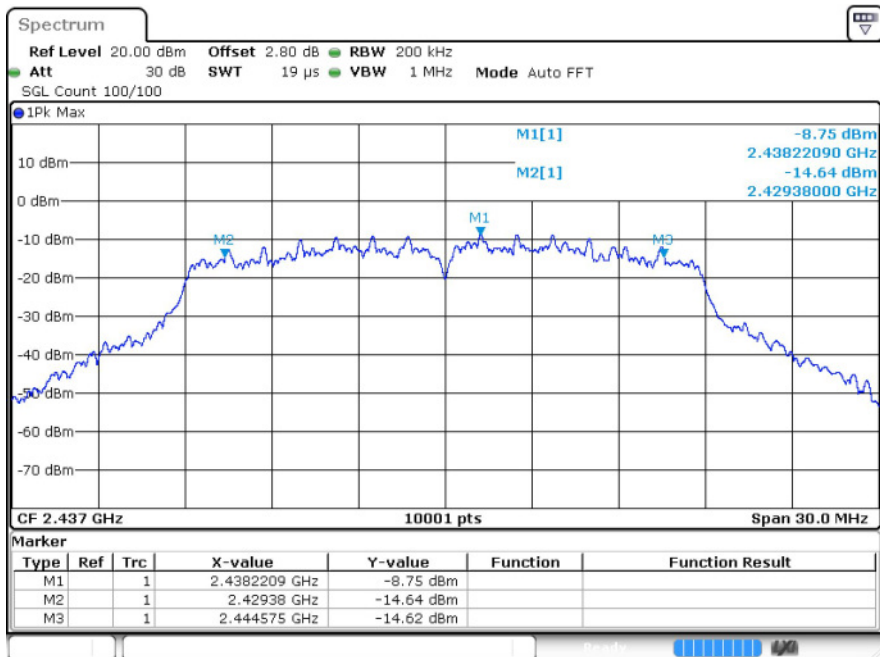
g 2462MHz Ant1

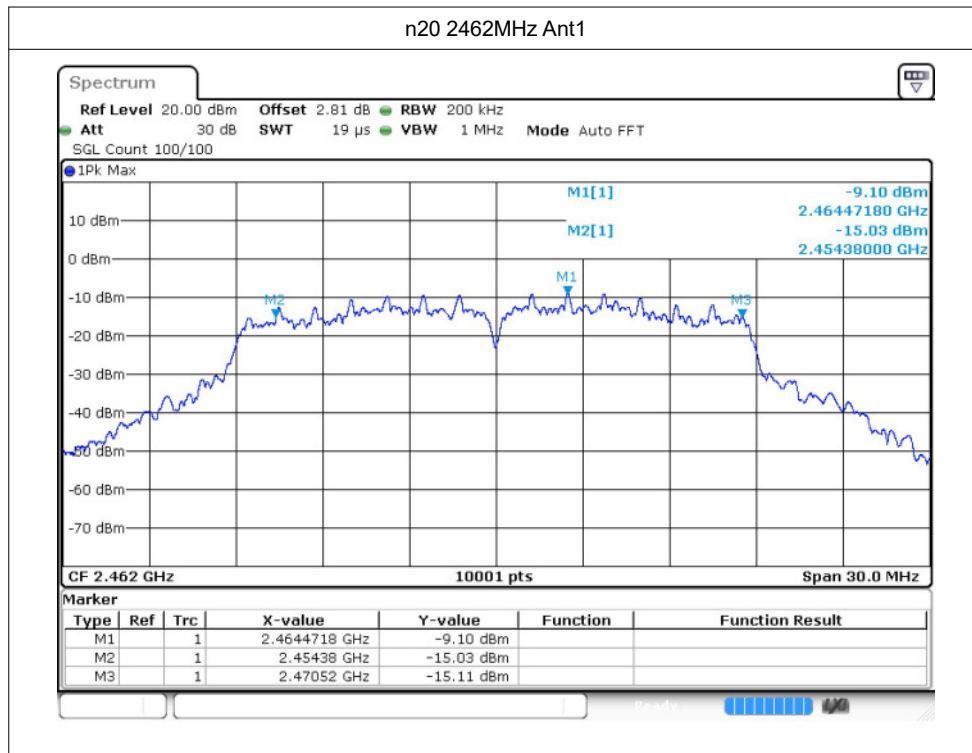


n20 2412MHz Ant1



n20 2437MHz Ant1



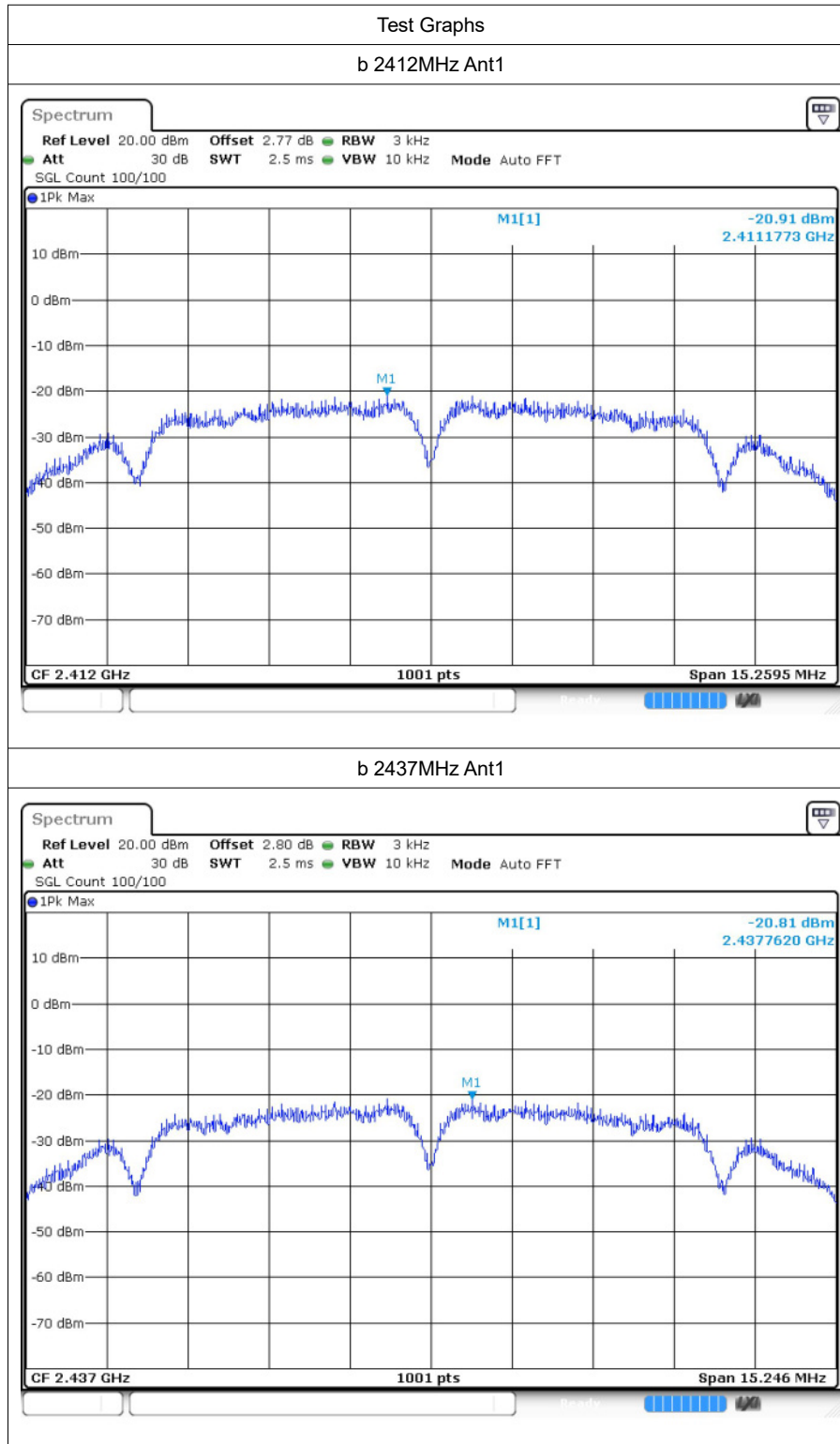


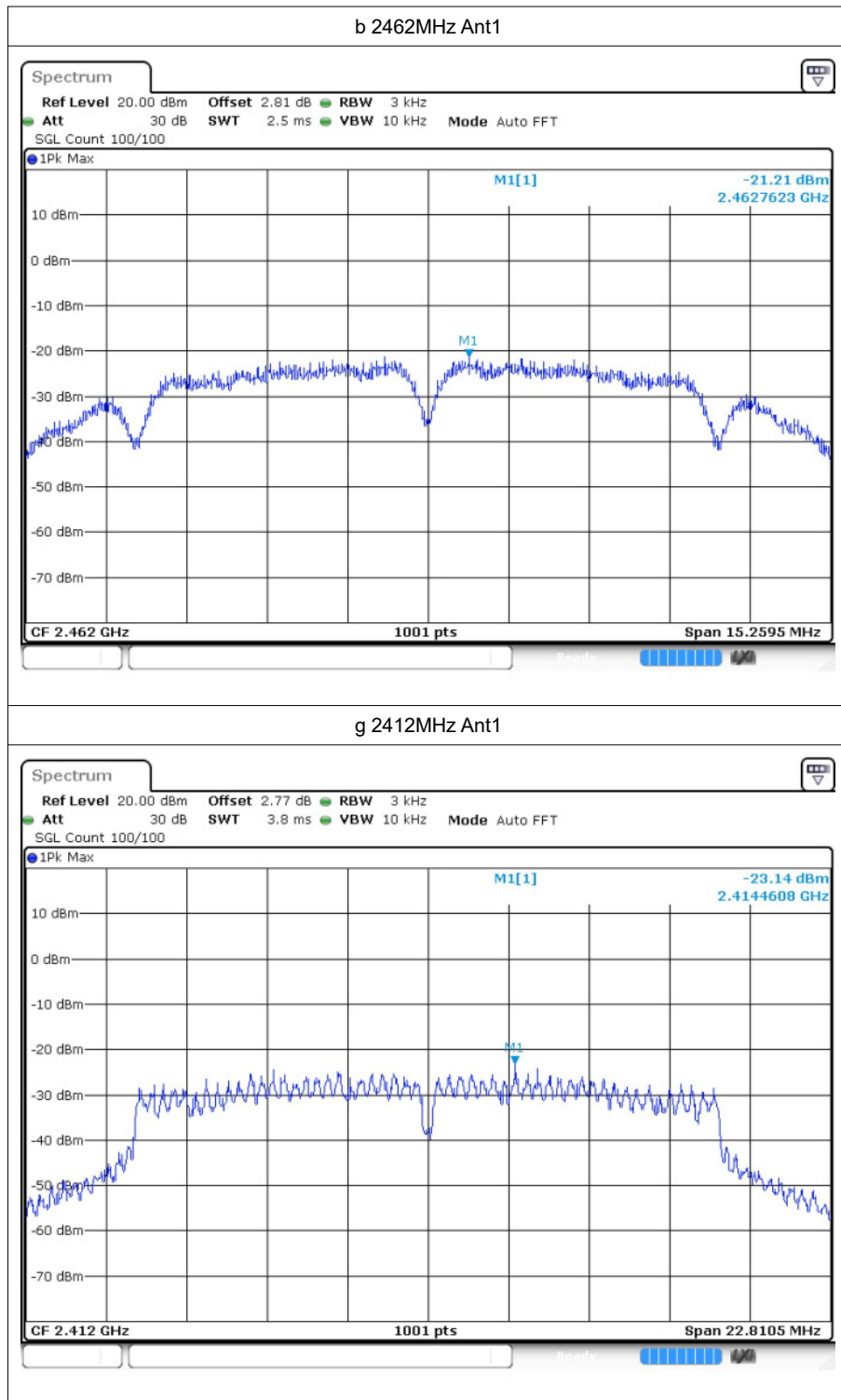
4 Maximum Power Spectral Density Level

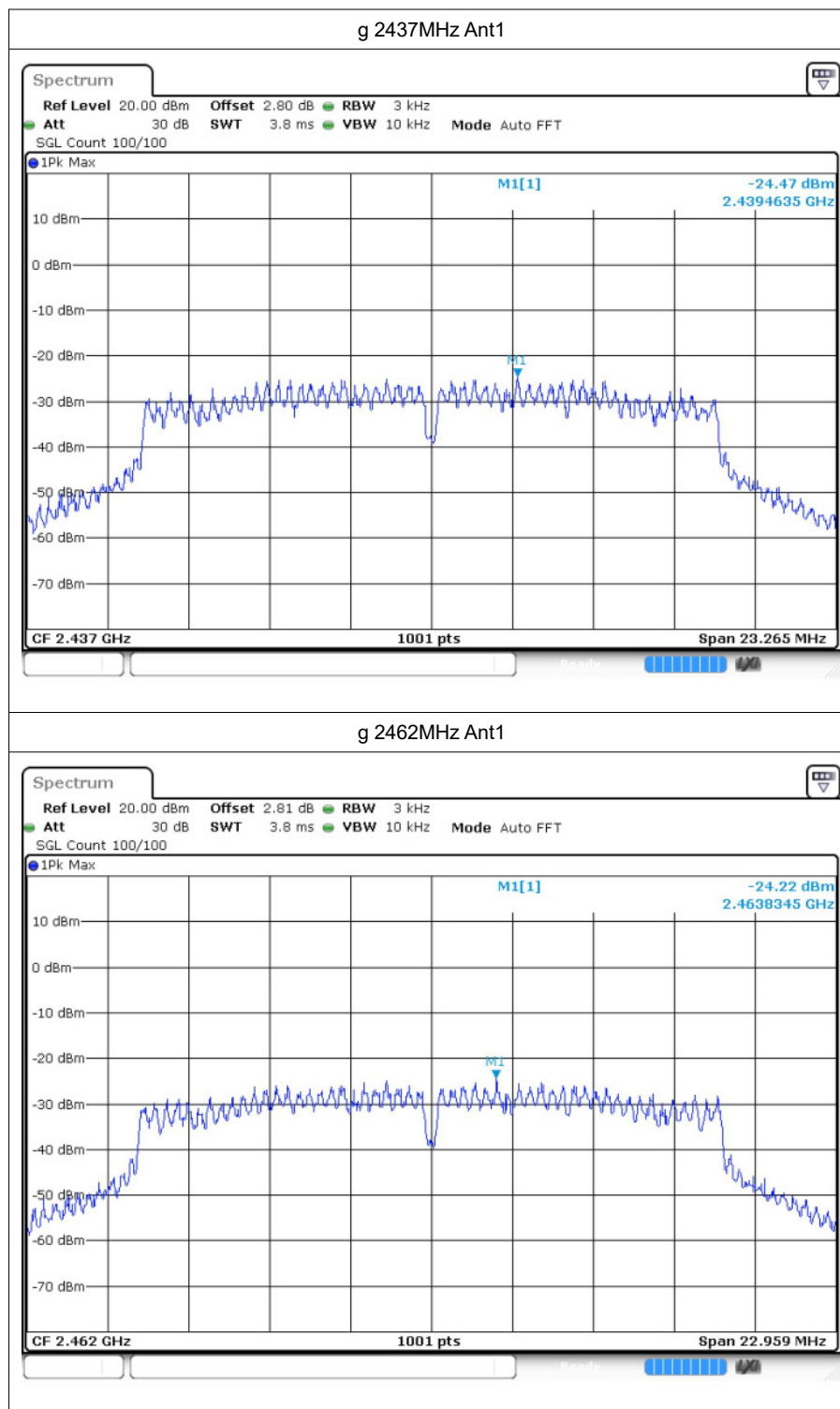
4.1 Test Result

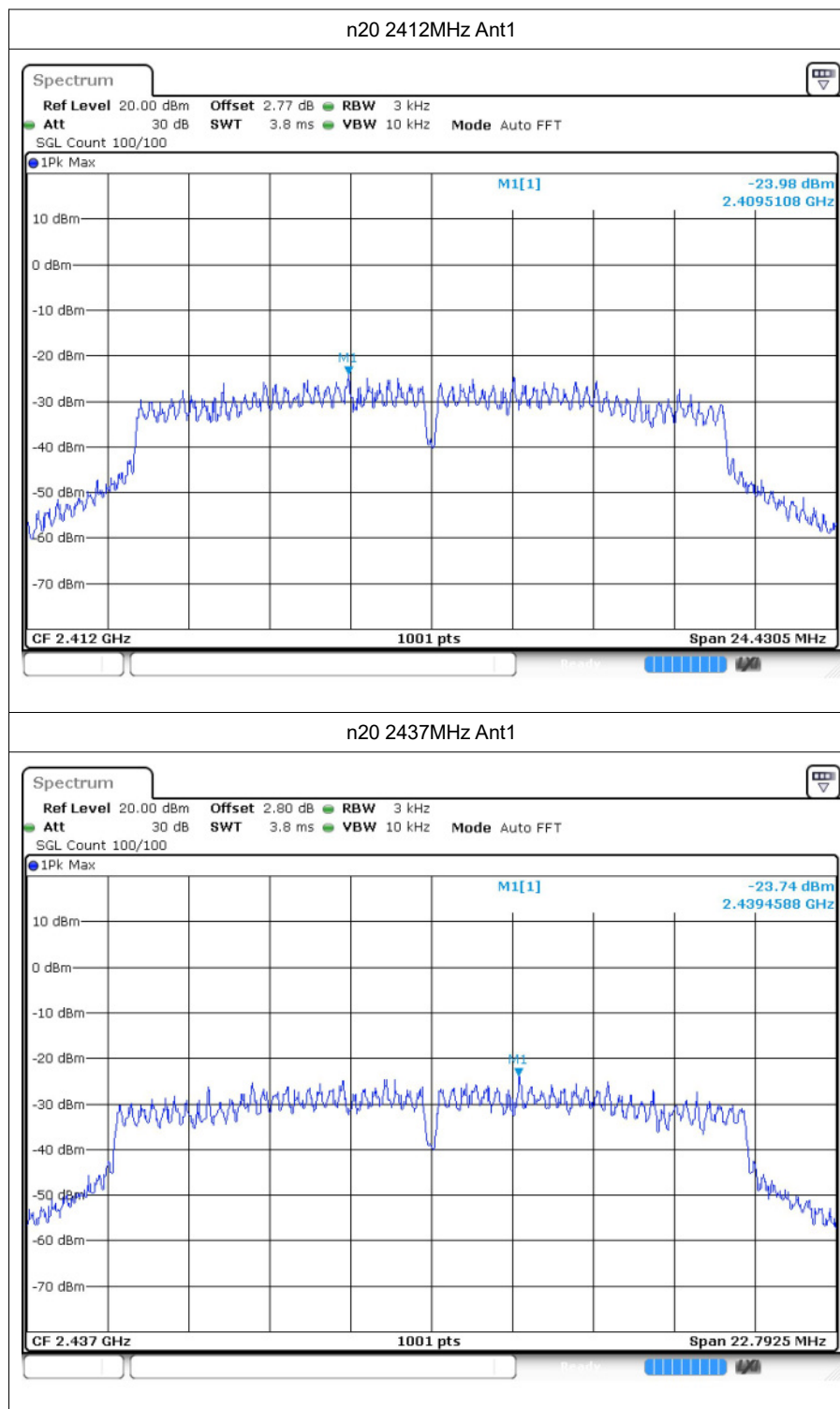
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-20.91	≤8	Pass
b	2437	Ant1	-20.81	≤8	Pass
b	2462	Ant1	-21.21	≤8	Pass
g	2412	Ant1	-23.14	≤8	Pass
g	2437	Ant1	-24.47	≤8	Pass
g	2462	Ant1	-24.22	≤8	Pass
n20	2412	Ant1	-23.98	≤8	Pass
n20	2437	Ant1	-23.74	≤8	Pass
n20	2462	Ant1	-24.12	≤8	Pass

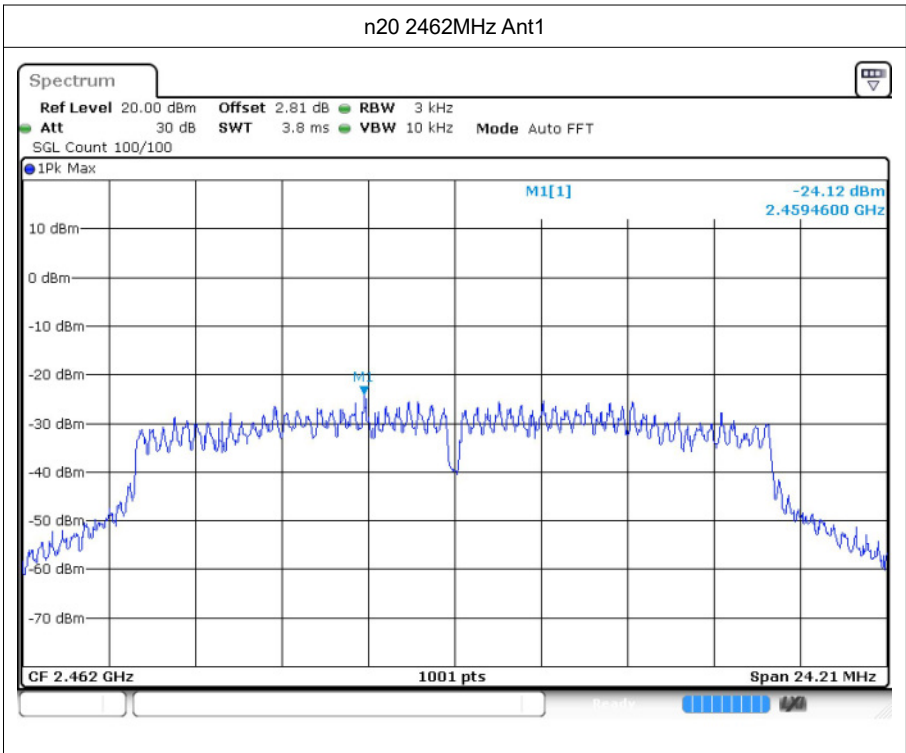
4.2 Test Graphs











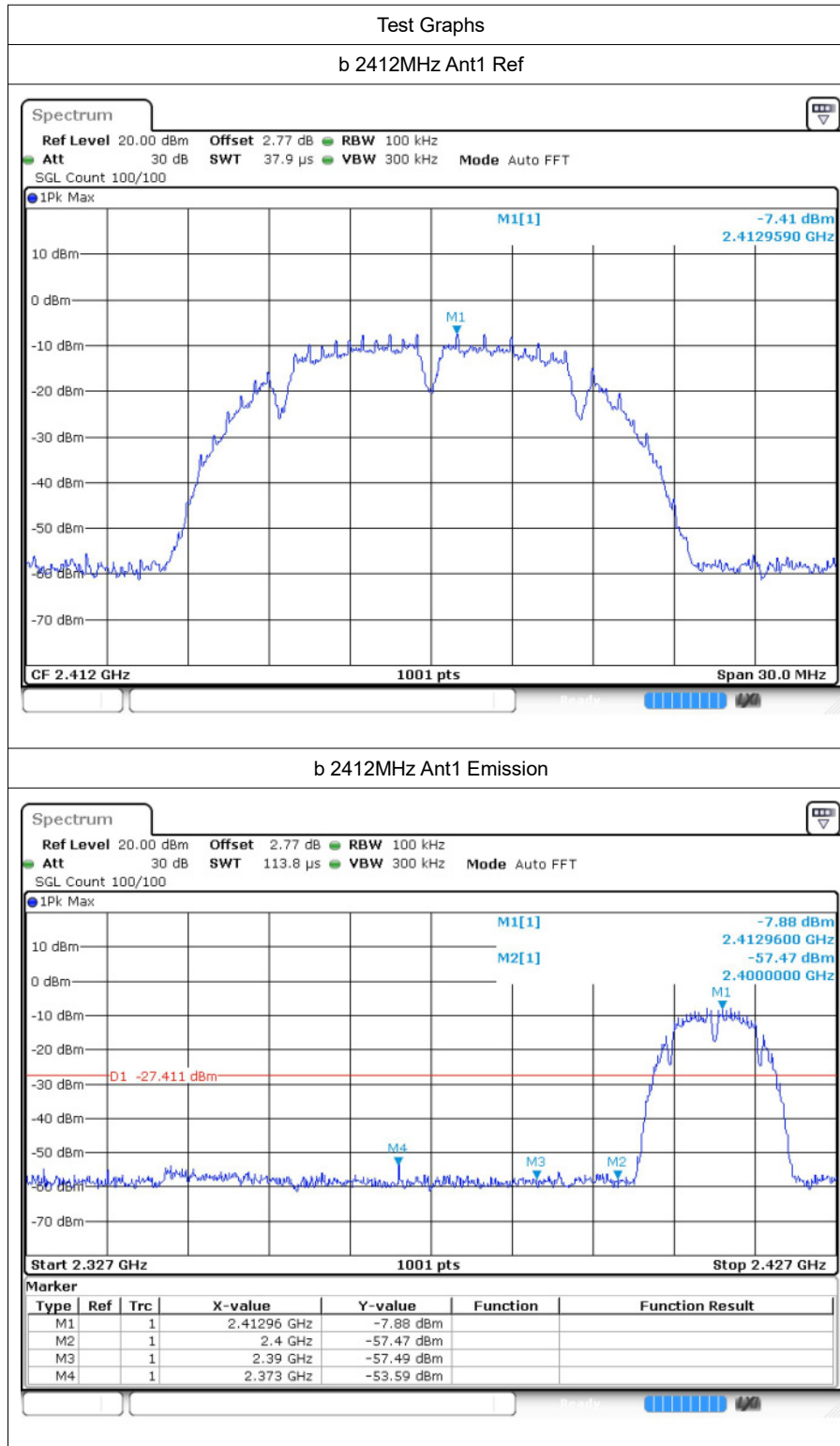


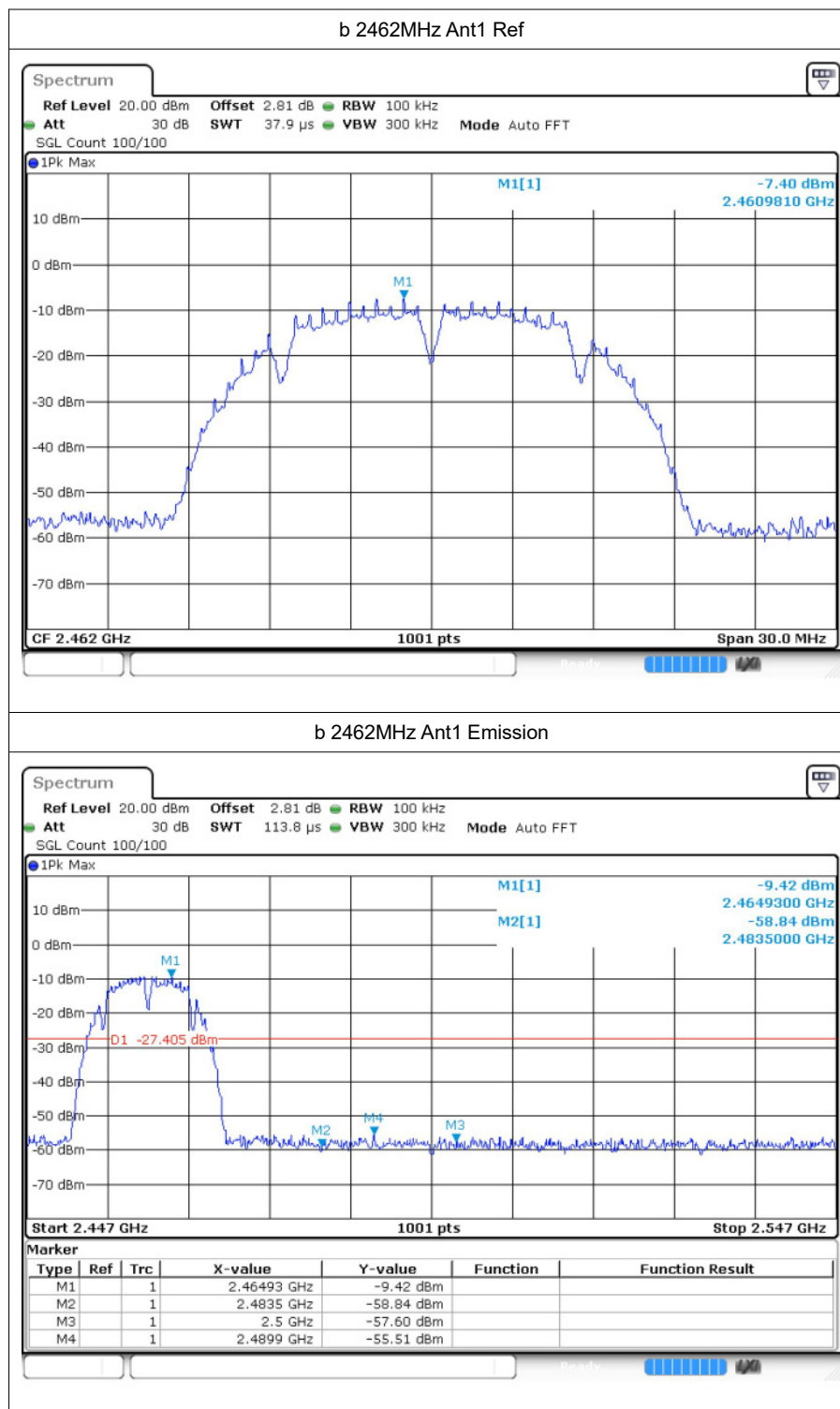
5 Band Edge

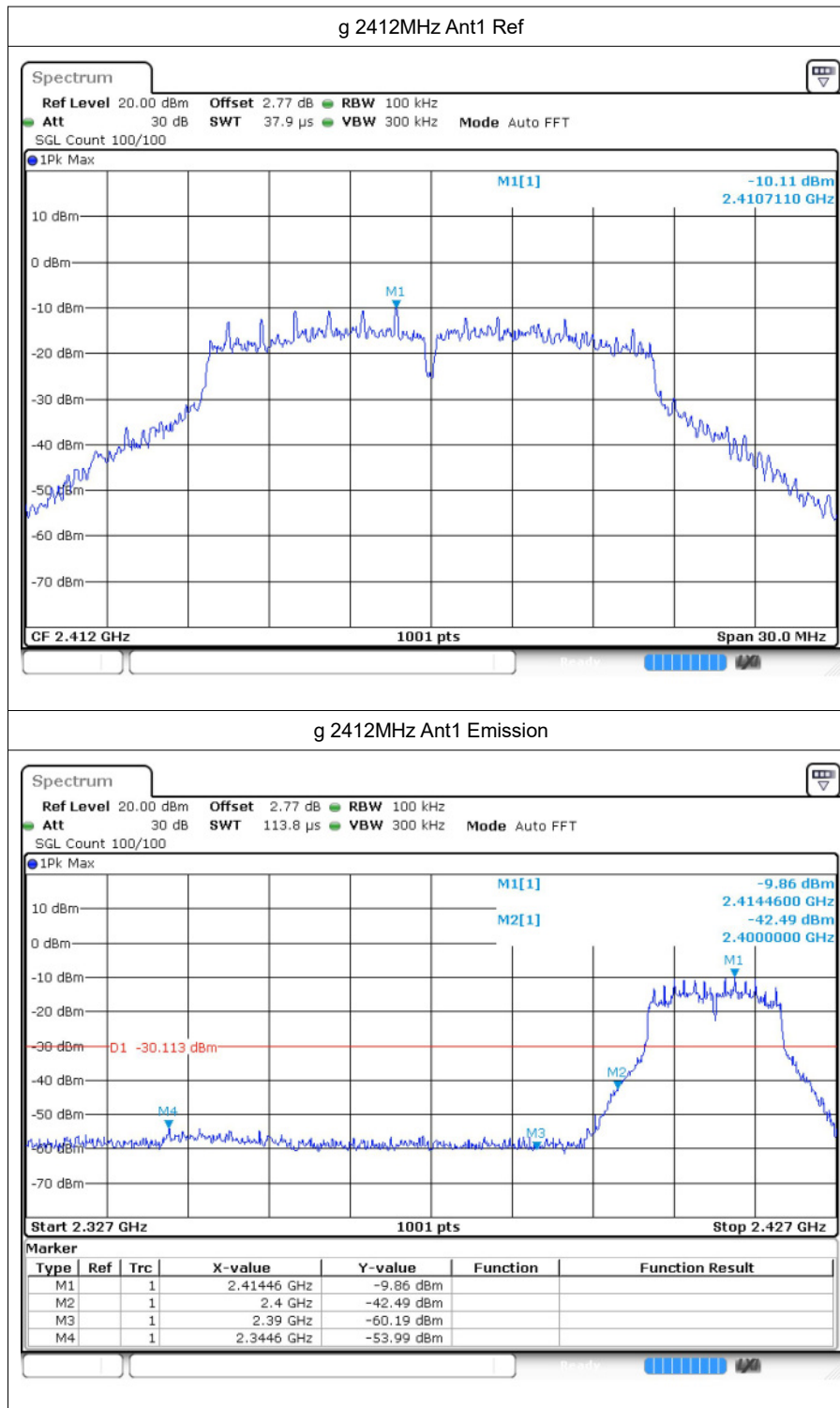
5.1 Test Result

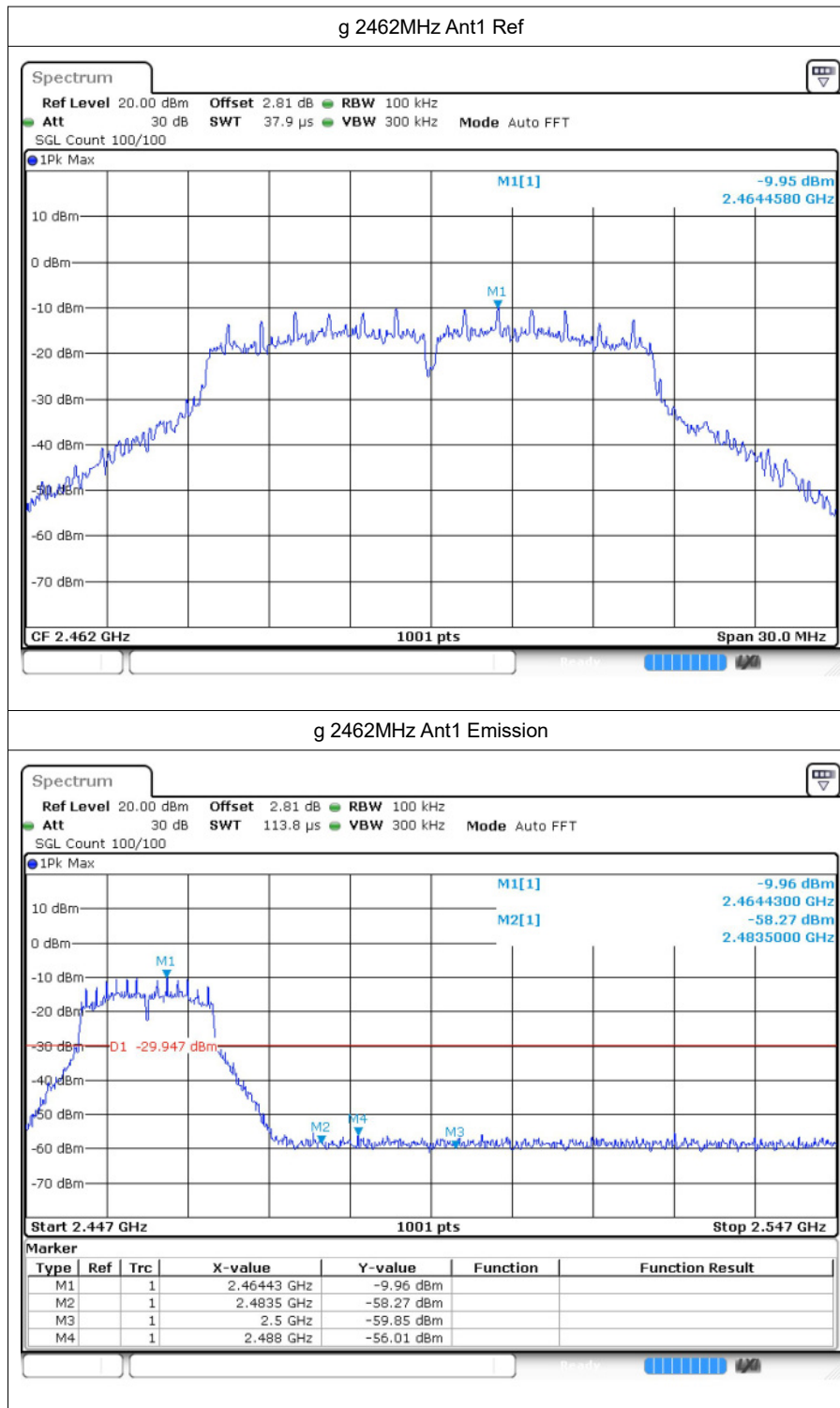
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-46.17	-20	Pass
b	2462	Ant1	-48.1	-20	Pass
g	2412	Ant1	-43.88	-20	Pass
g	2462	Ant1	-46.05	-20	Pass
n20	2412	Ant1	-44.63	-20	Pass
n20	2462	Ant1	-44.8	-20	Pass

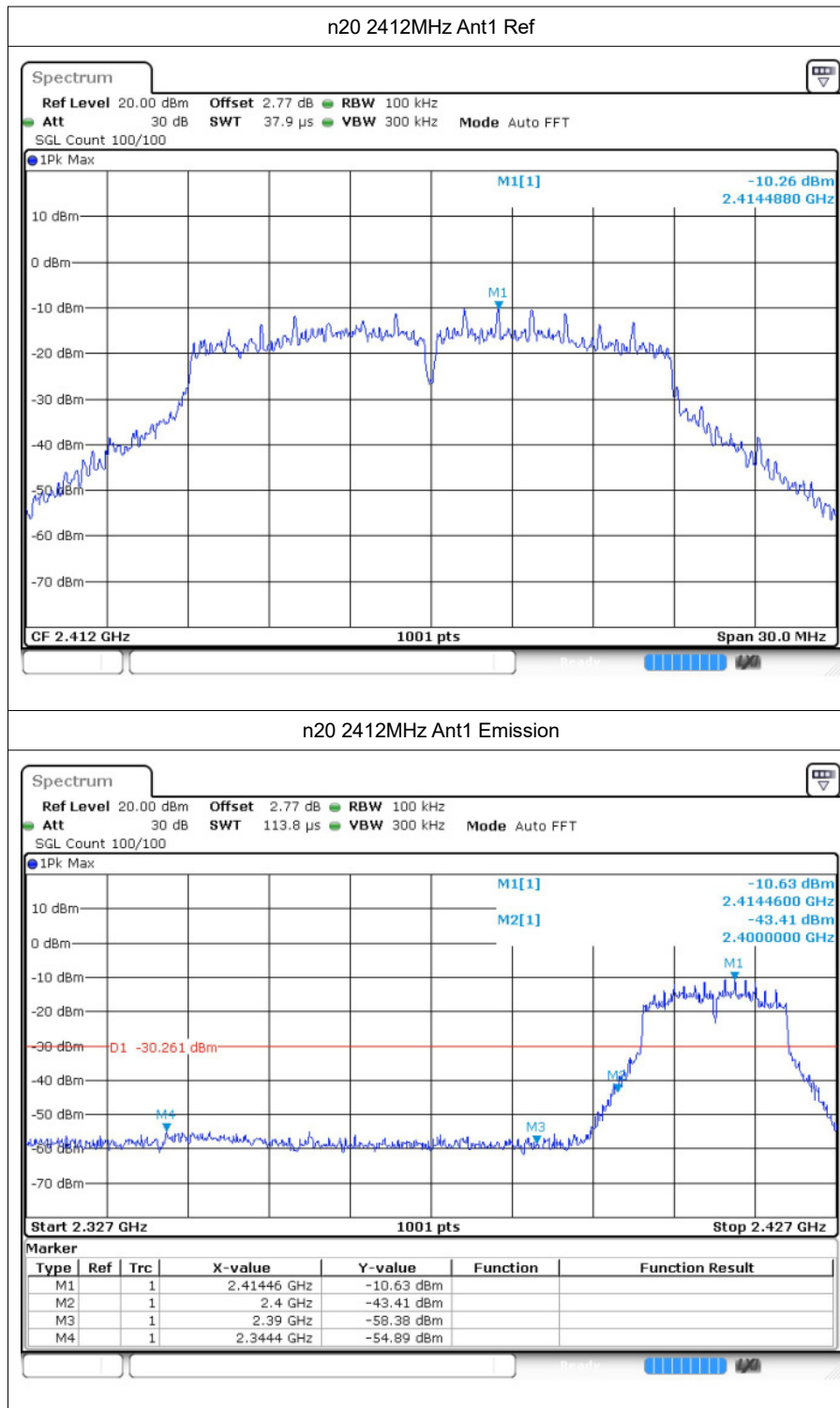
5.2 Test Graphs

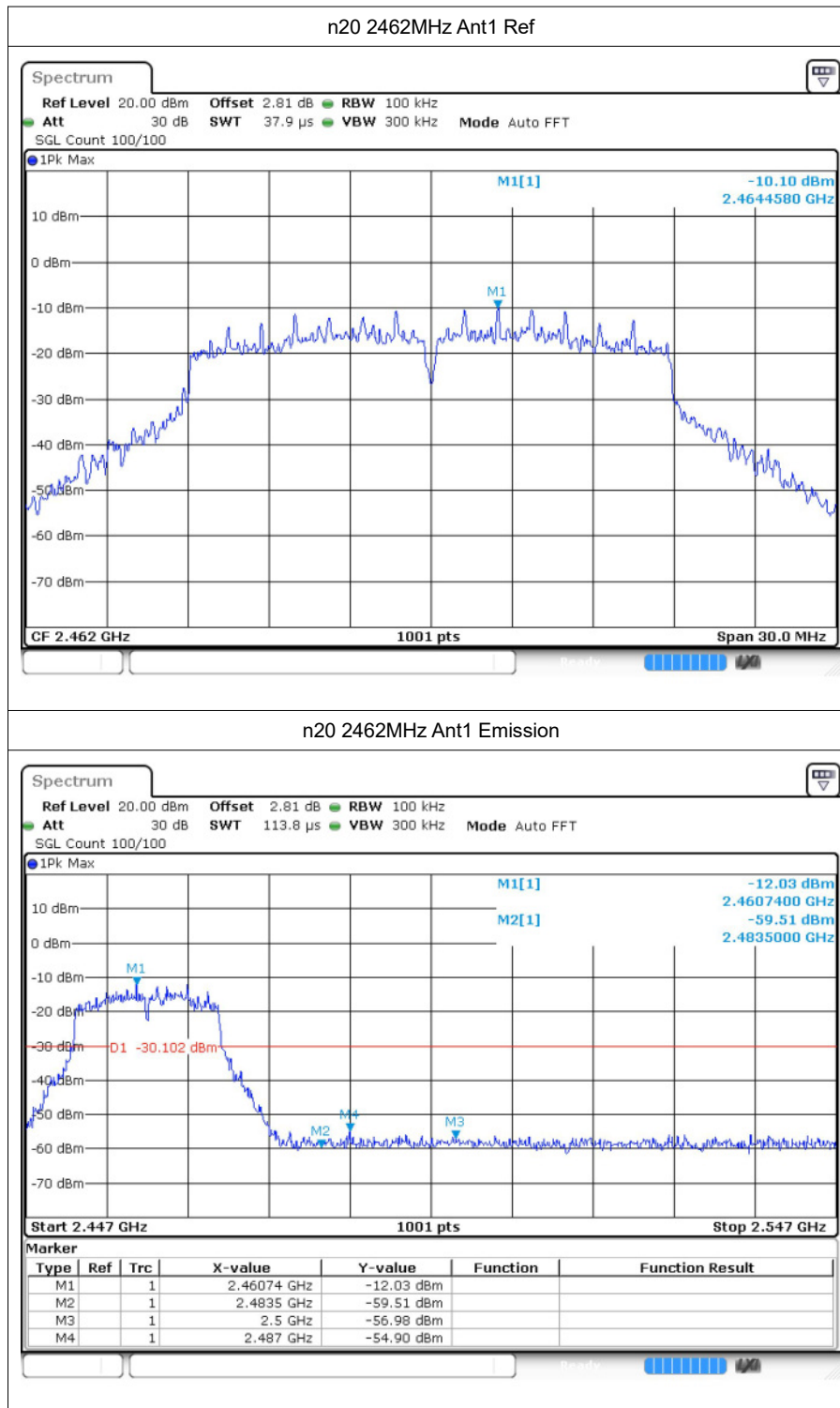














6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-33.62	-20	Pass
b	2437	Ant1	-33.59	-20	Pass
b	2462	Ant1	-34.59	-20	Pass
g	2412	Ant1	-32.14	-20	Pass
g	2437	Ant1	-31.5	-20	Pass
g	2462	Ant1	-30.7	-20	Pass
n20	2412	Ant1	-31.3	-20	Pass
n20	2437	Ant1	-32.33	-20	Pass
n20	2462	Ant1	-31.03	-20	Pass

6.2 Test Graphs

