



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: 3D Bluetooth Holographic

Trade Mark: N/A

Test Model: H-10

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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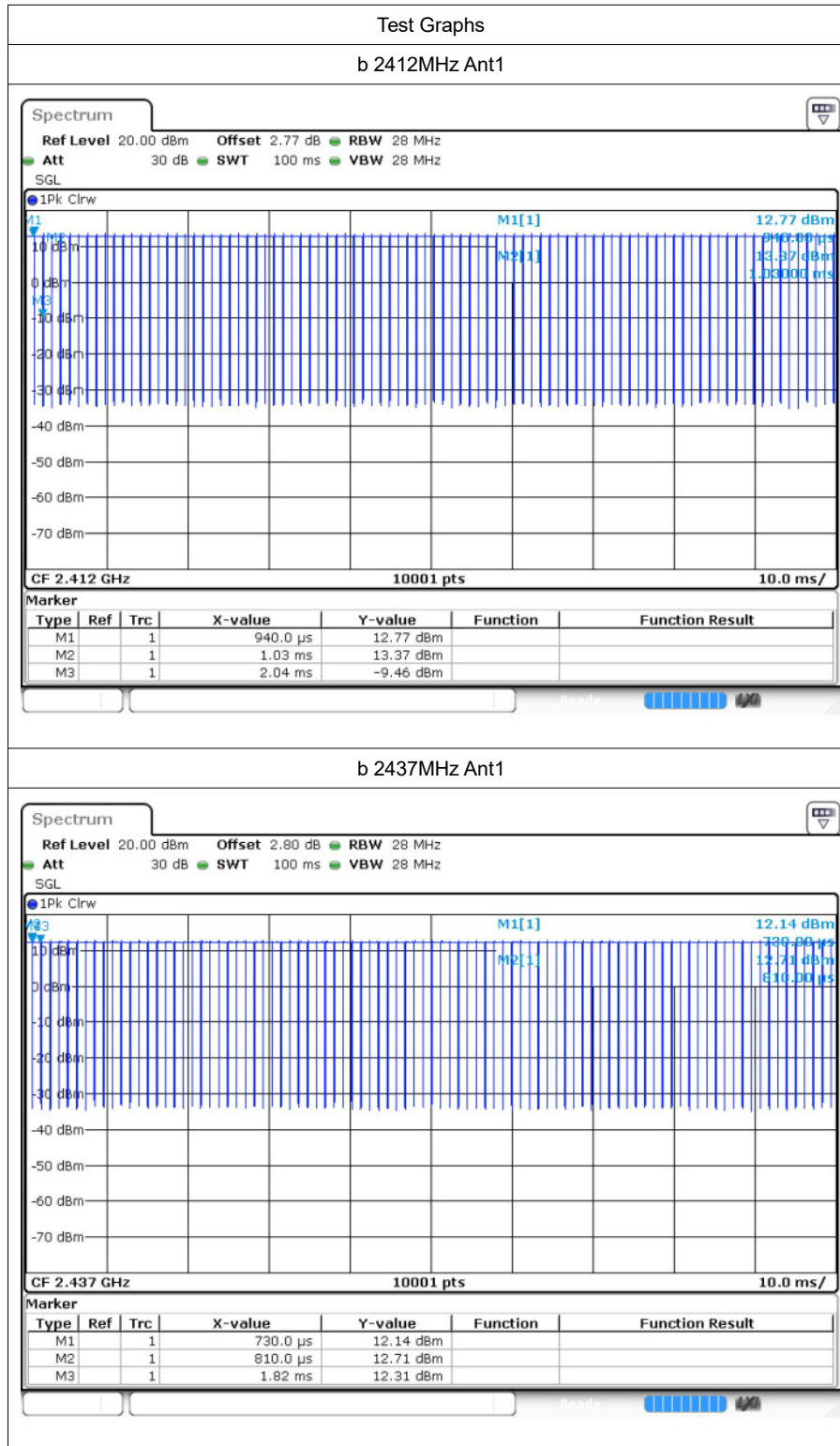


1 Duty Cycle

1.1 Test Result

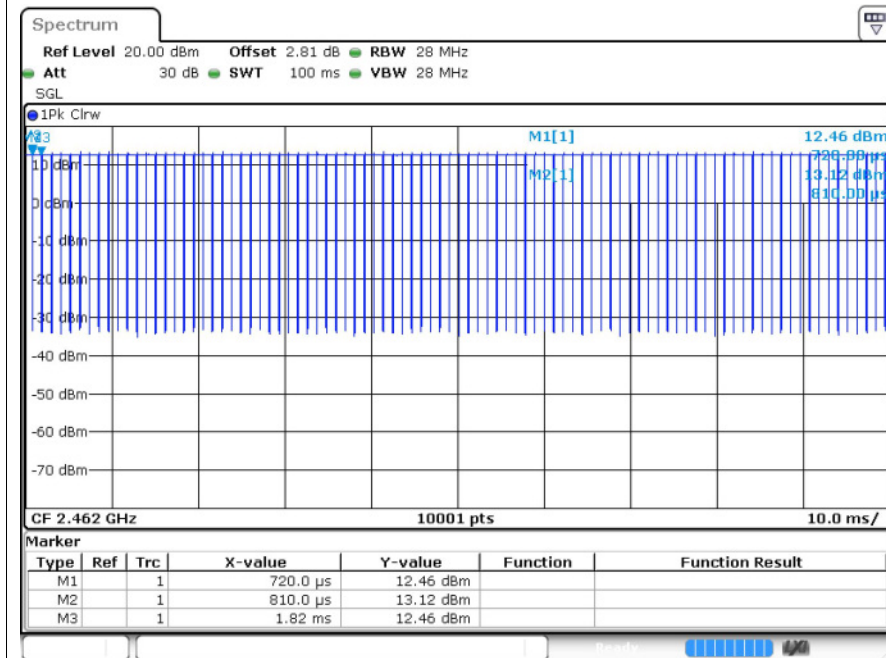
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	92.9	0.32	0.99
b	2437	Ant1	92.96	0.32	0.99
b	2462	Ant1	92.86	0.32	0.99
g	2412	Ant1	95.03	0.22	1.64
g	2437	Ant1	95.06	0.22	1.64
g	2462	Ant1	95.02	0.22	1.61
n20	2412	Ant1	94.88	0.23	1.61
n20	2437	Ant1	94.84	0.23	1.64
n20	2462	Ant1	94.9	0.23	1.64

1.2 Test Graphs

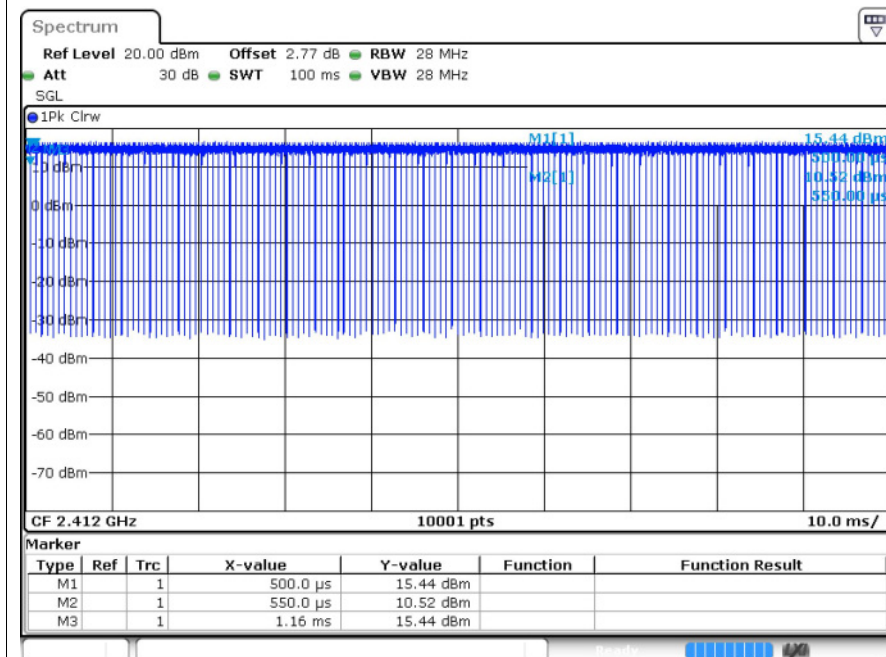


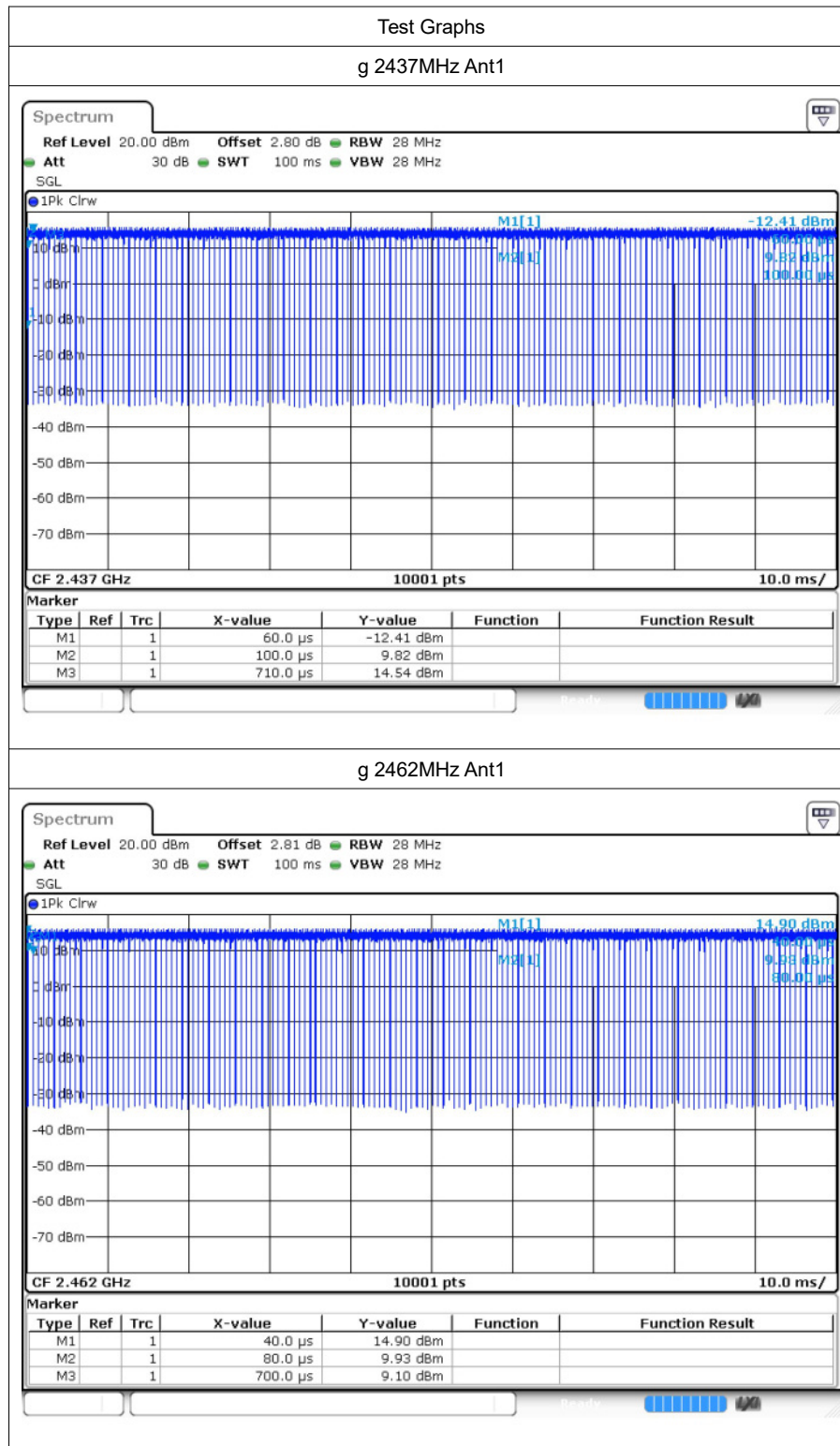
Test Graphs

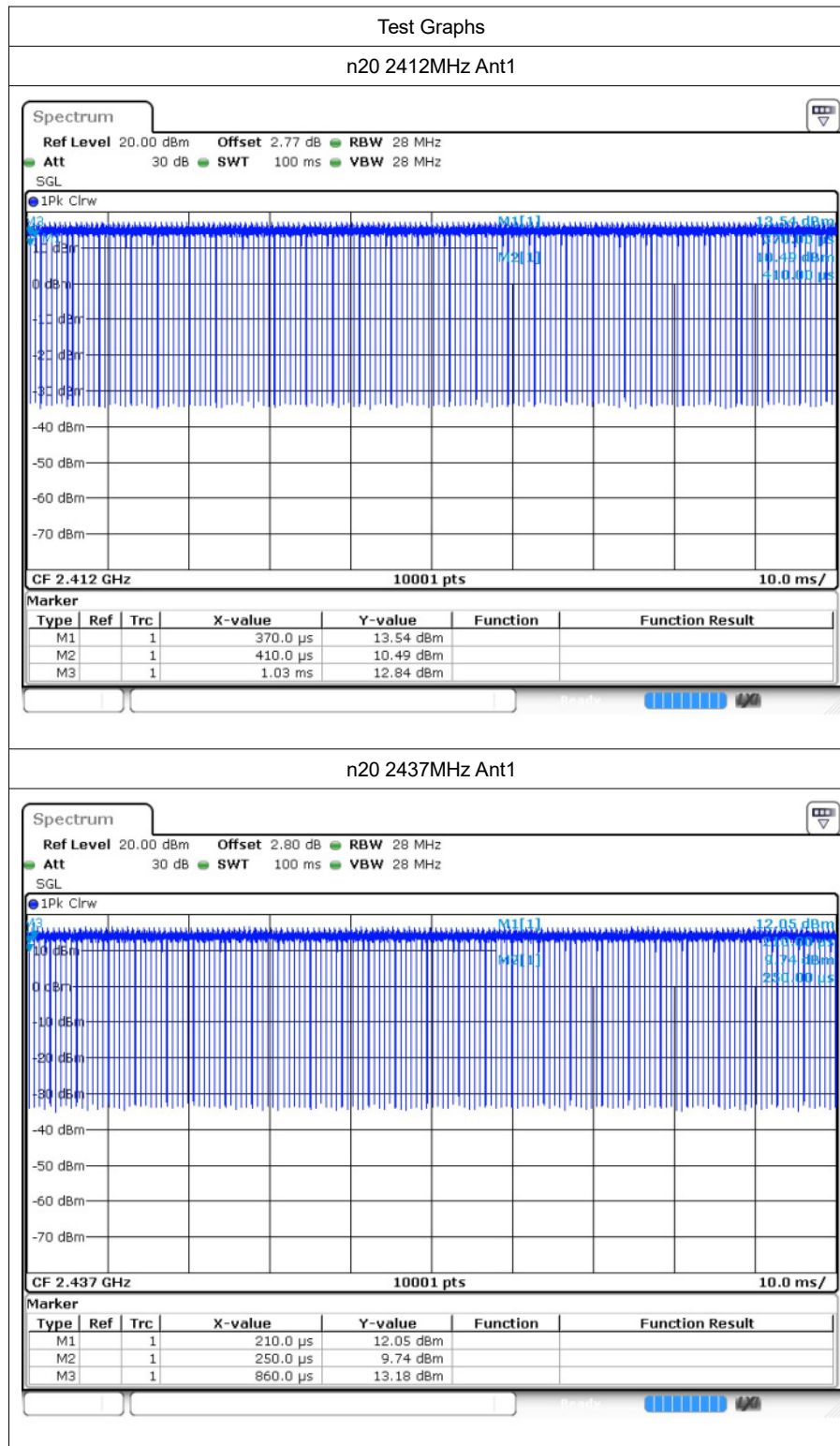
b 2462MHz Ant1

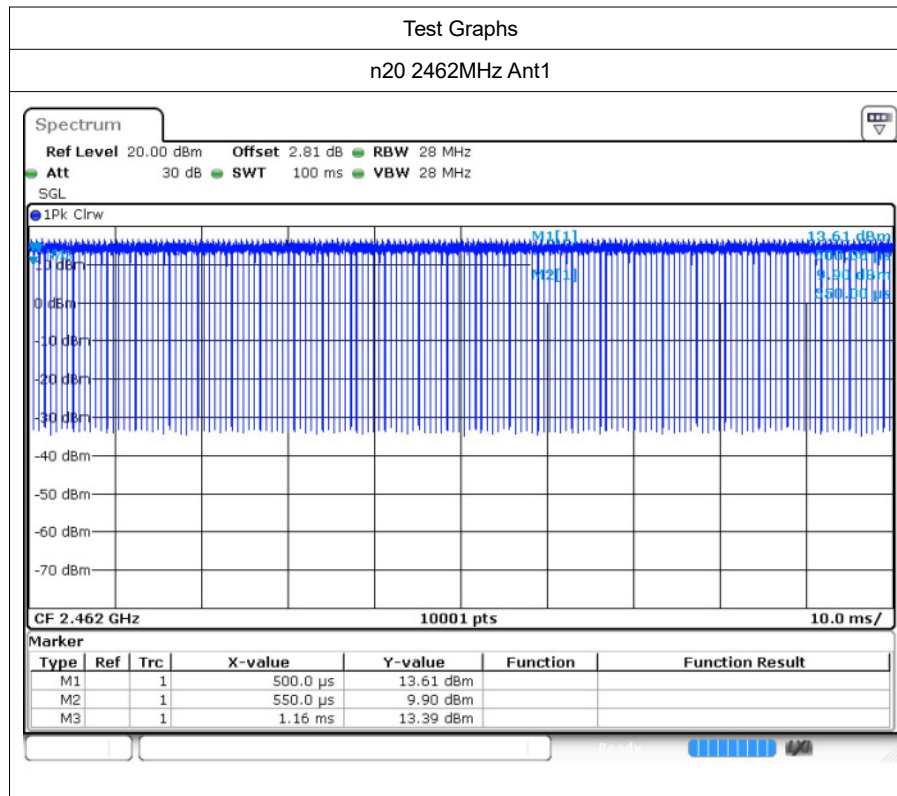


g 2412MHz Ant1











2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	13.94	30	Pass
b	2437	Ant1	13.33	30	Pass
b	2462	Ant1	13.61	30	Pass
g	2412	Ant1	13.58	30	Pass
g	2437	Ant1	12.84	30	Pass
g	2462	Ant1	13.14	30	Pass
n20	2412	Ant1	13.65	30	Pass
n20	2437	Ant1	12.87	30	Pass
n20	2462	Ant1	13.19	30	Pass

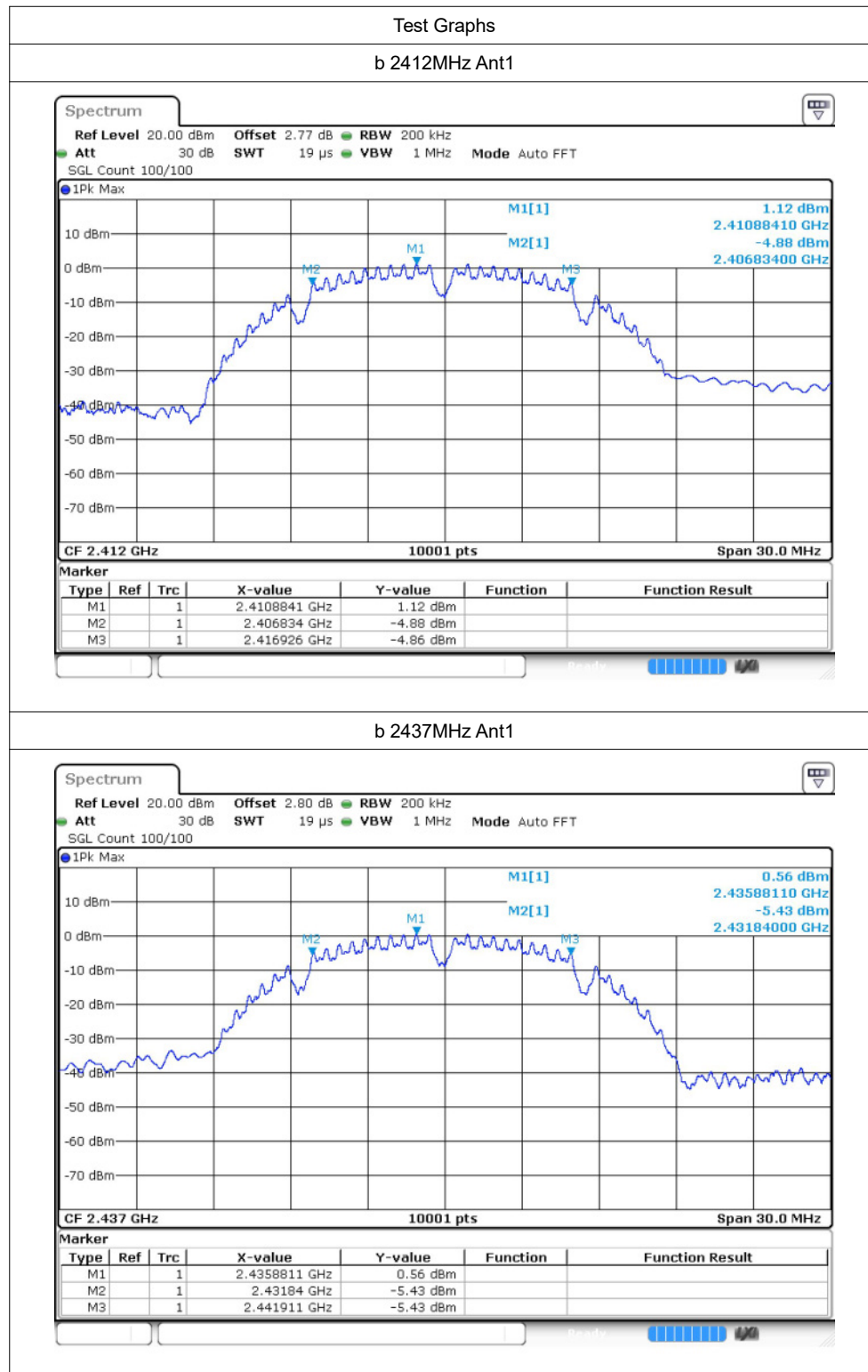


3 -6dB Bandwidth

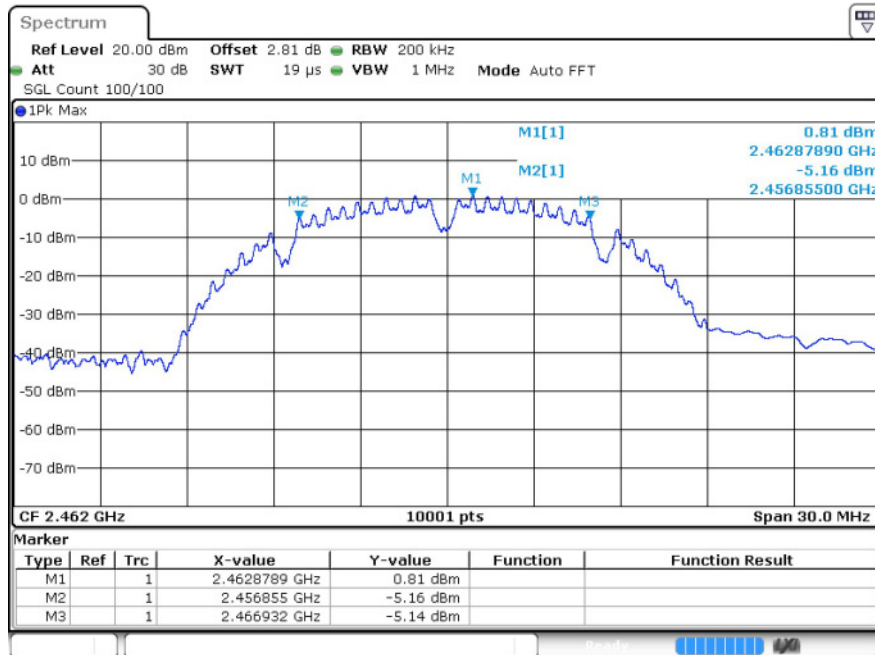
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.092	0.5	Pass
b	2437	Ant1	10.071	0.5	Pass
b	2462	Ant1	10.077	0.5	Pass
g	2412	Ant1	16.398	0.5	Pass
g	2437	Ant1	16.491	0.5	Pass
g	2462	Ant1	16.371	0.5	Pass
n20	2412	Ant1	17.643	0.5	Pass
n20	2437	Ant1	17.64	0.5	Pass
n20	2462	Ant1	17.64	0.5	Pass

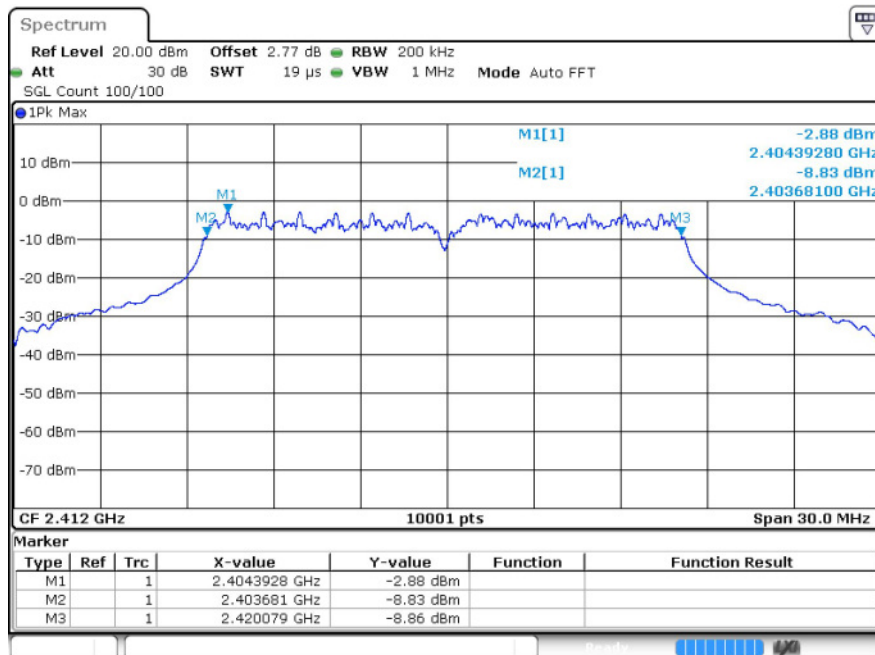
3.2 Test Graphs



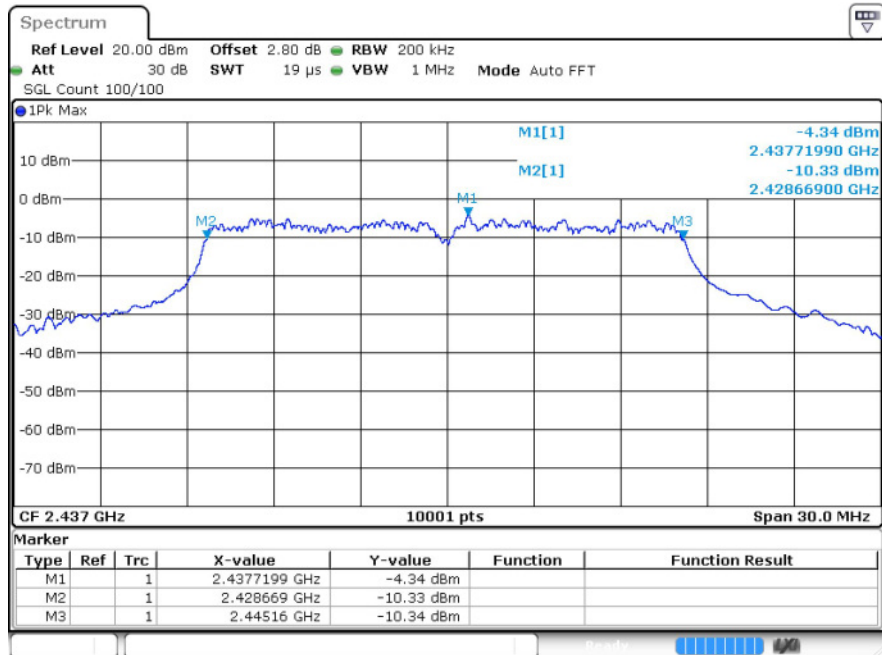
b 2462MHz Ant1



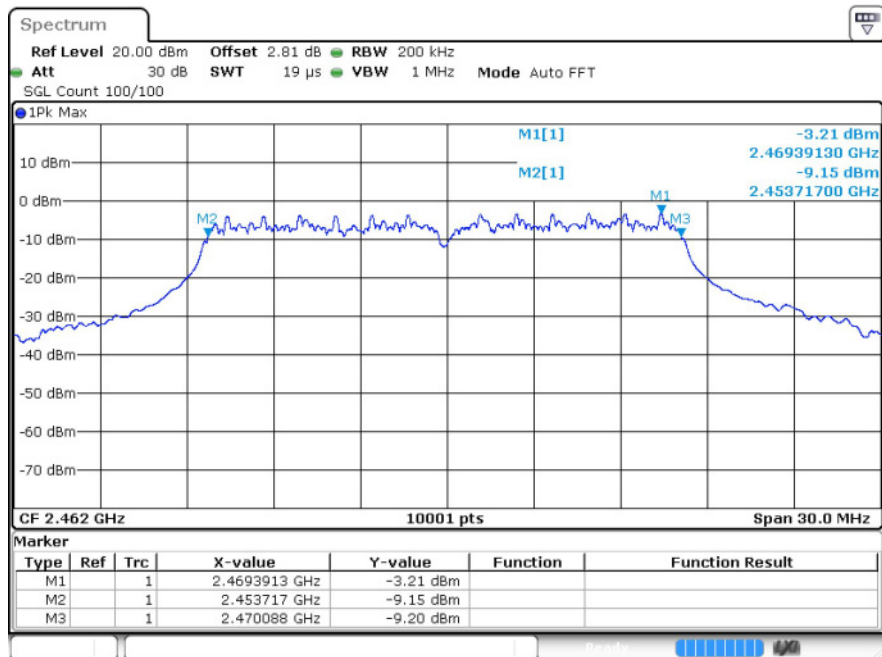
g 2412MHz Ant1

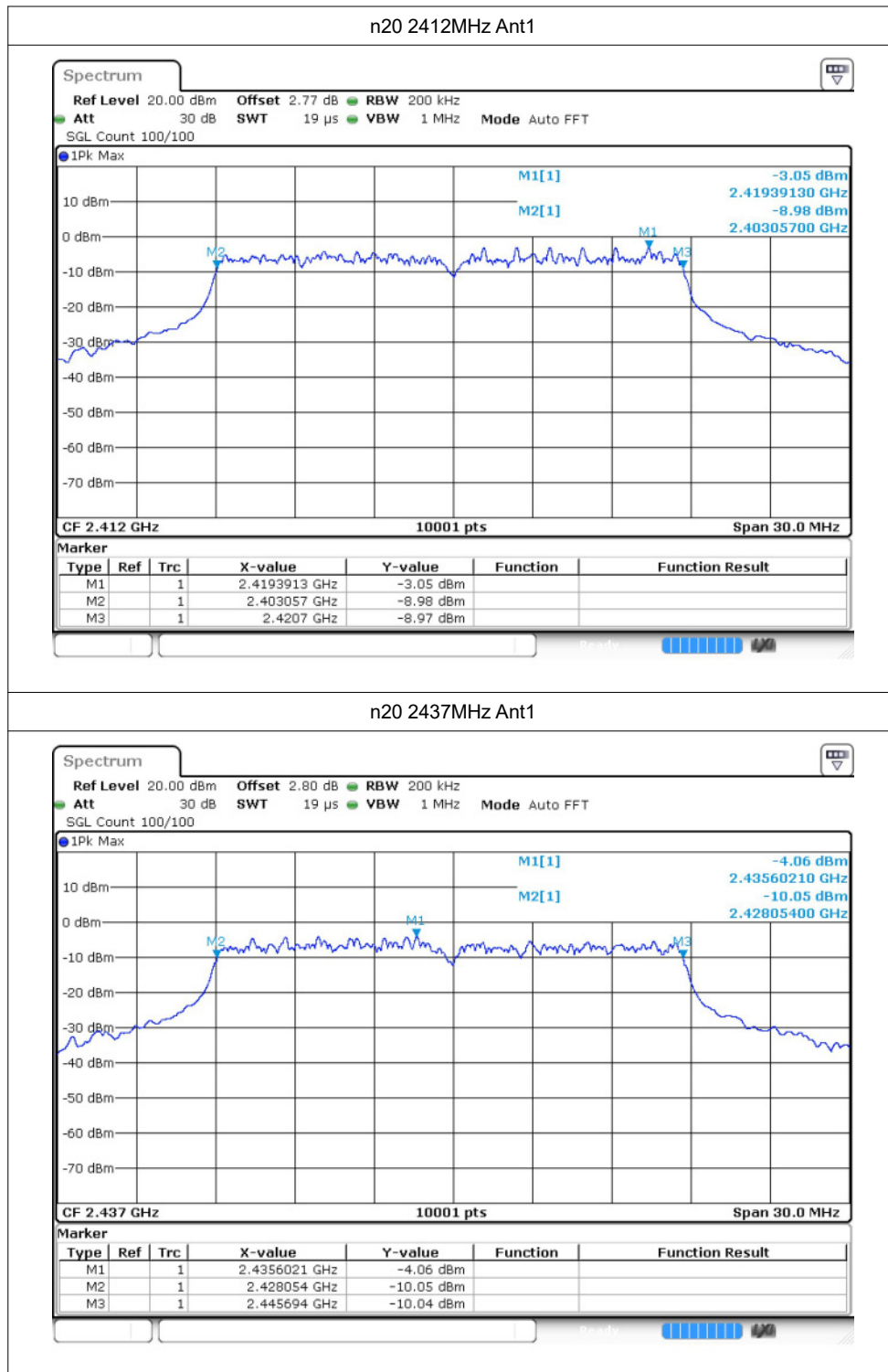


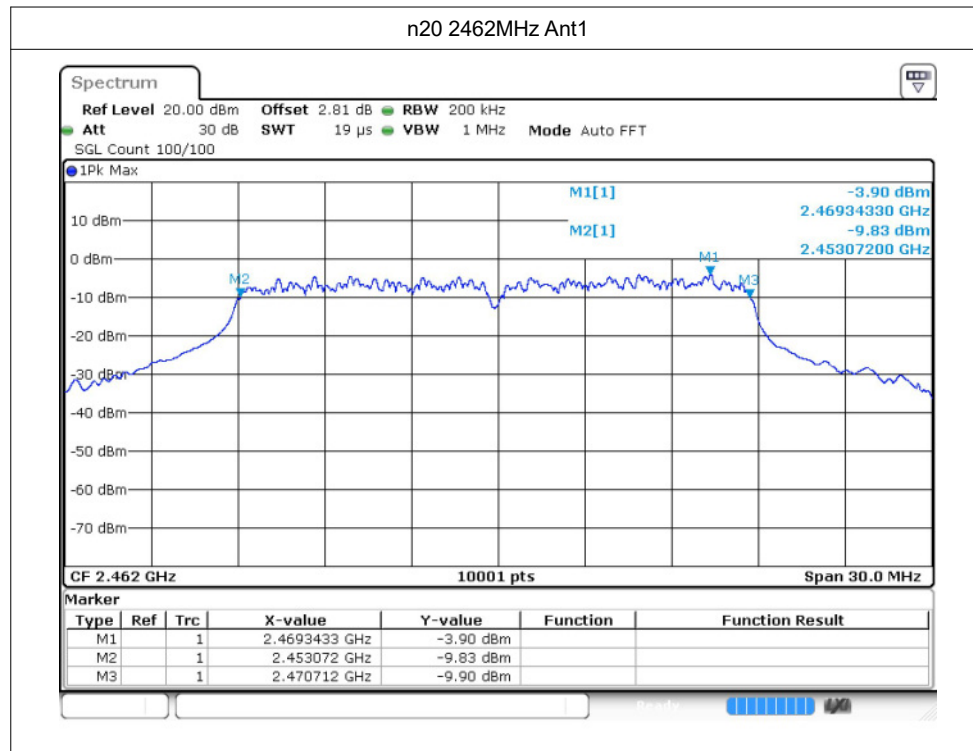
g 2437MHz Ant1



g 2462MHz Ant1





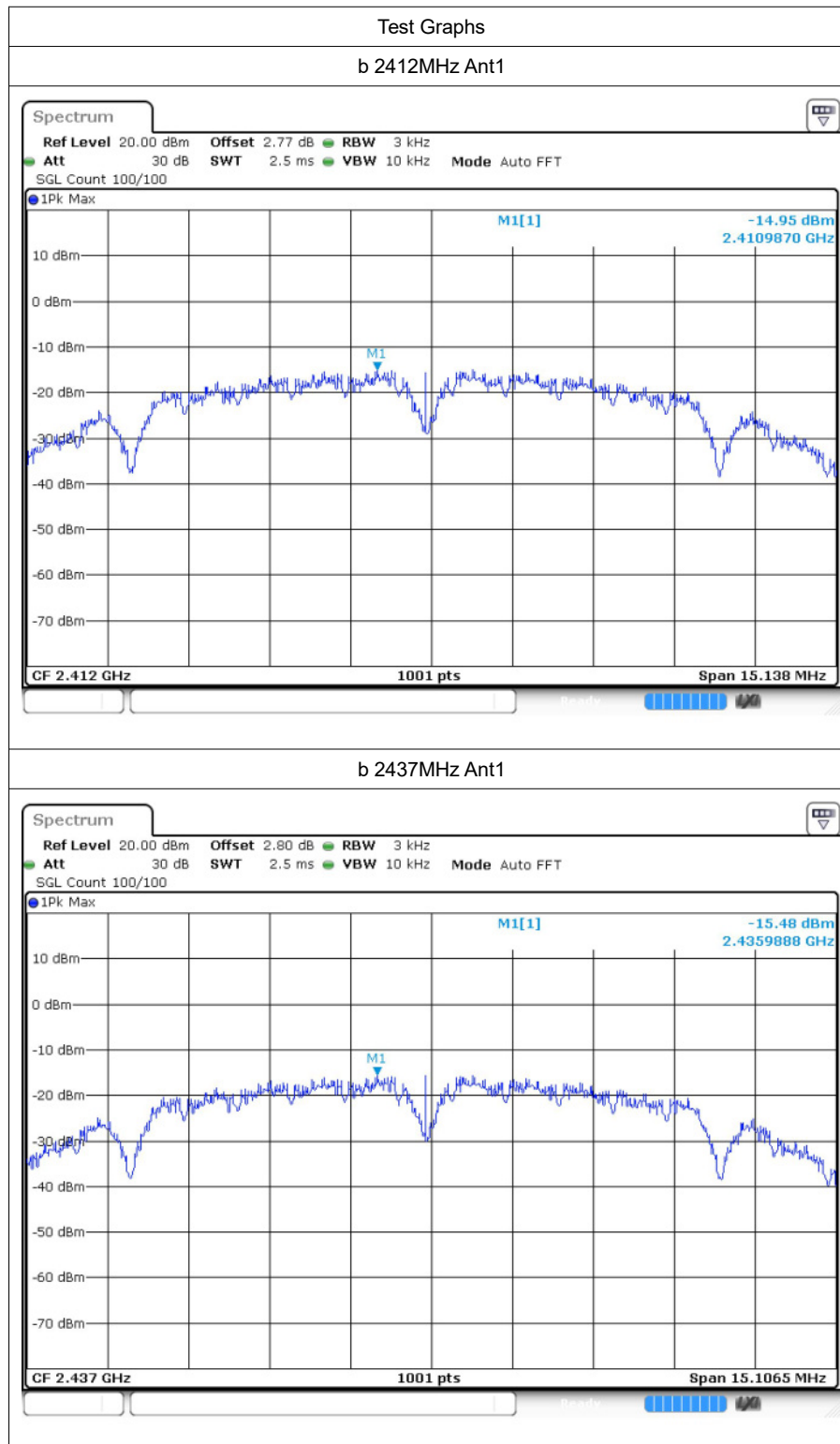


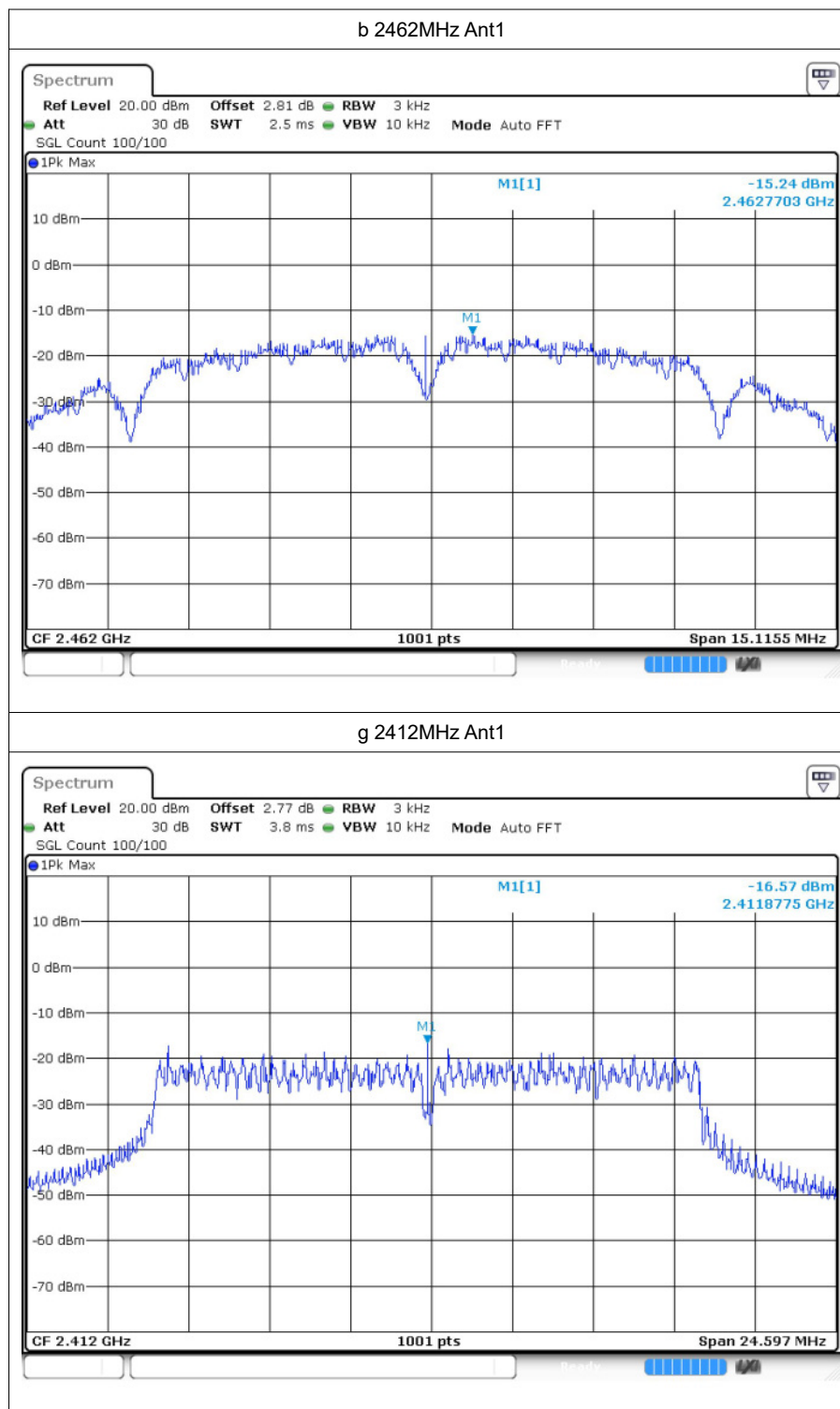
4 Maximum Power Spectral Density Level

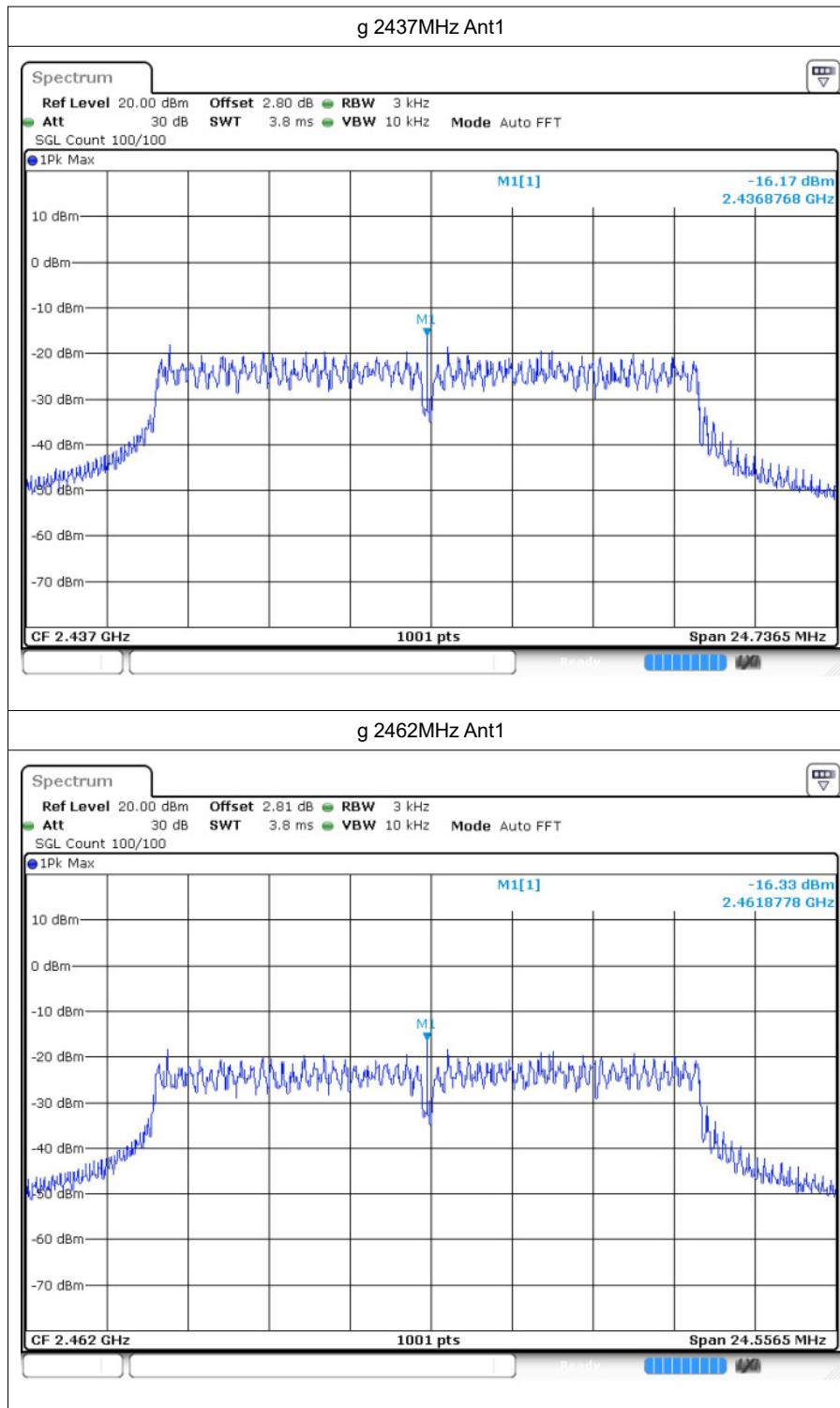
4.1 Test Result

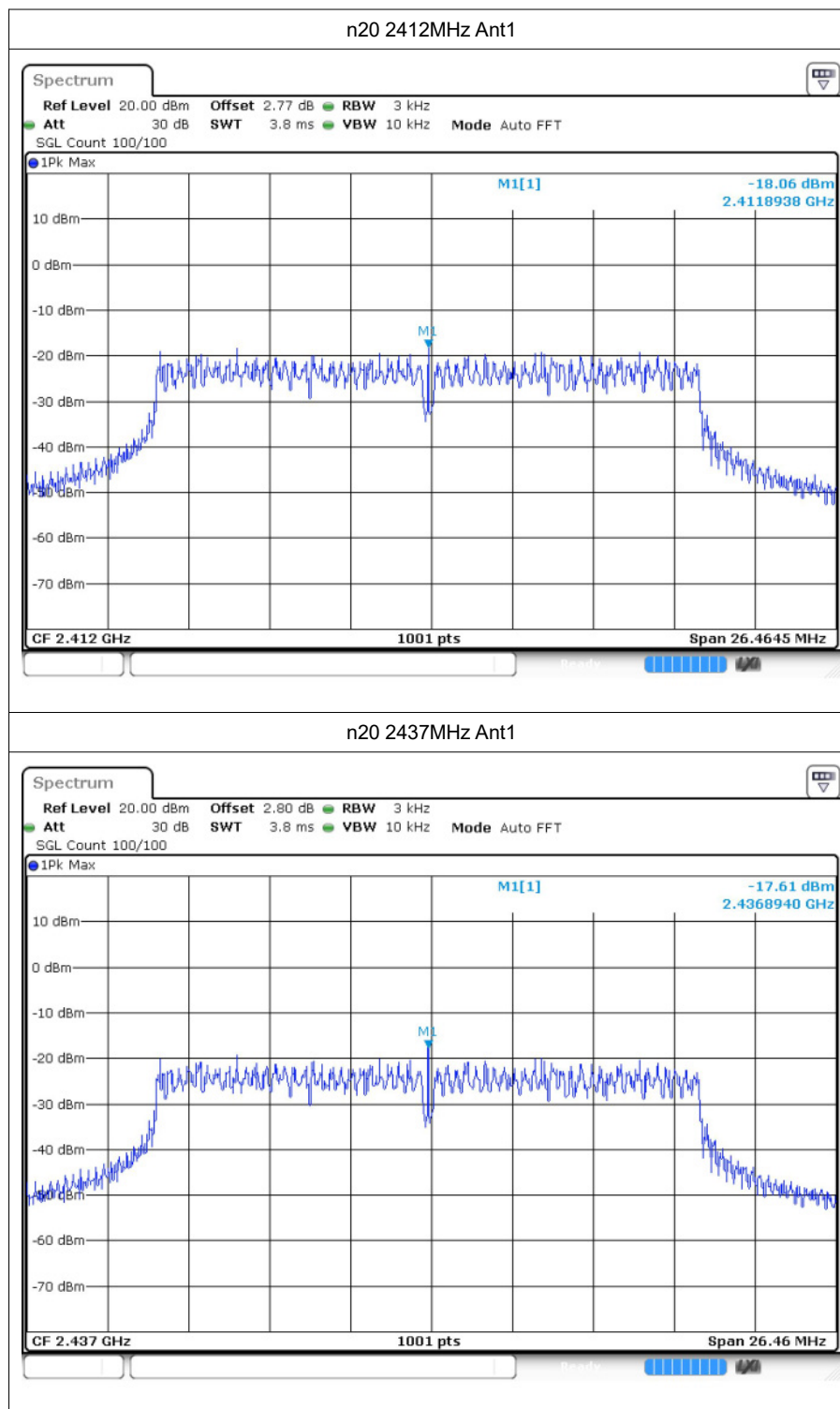
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-14.95	≤8	Pass
b	2437	Ant1	-15.48	≤8	Pass
b	2462	Ant1	-15.24	≤8	Pass
g	2412	Ant1	-16.57	≤8	Pass
g	2437	Ant1	-16.17	≤8	Pass
g	2462	Ant1	-16.33	≤8	Pass
n20	2412	Ant1	-18.06	≤8	Pass
n20	2437	Ant1	-17.61	≤8	Pass
n20	2462	Ant1	-17.63	≤8	Pass

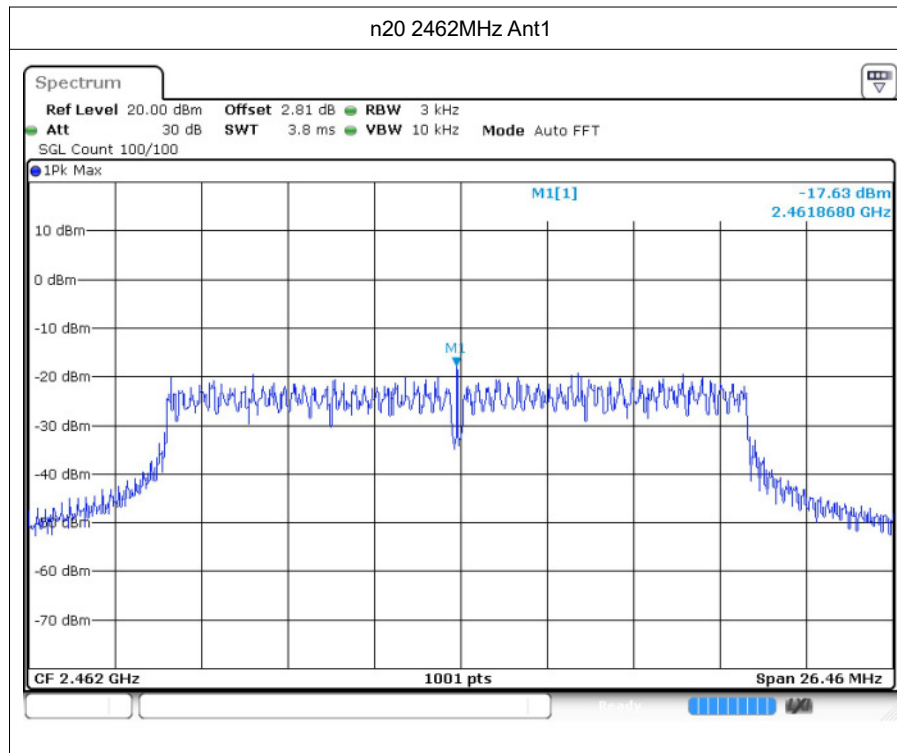
4.2 Test Graphs











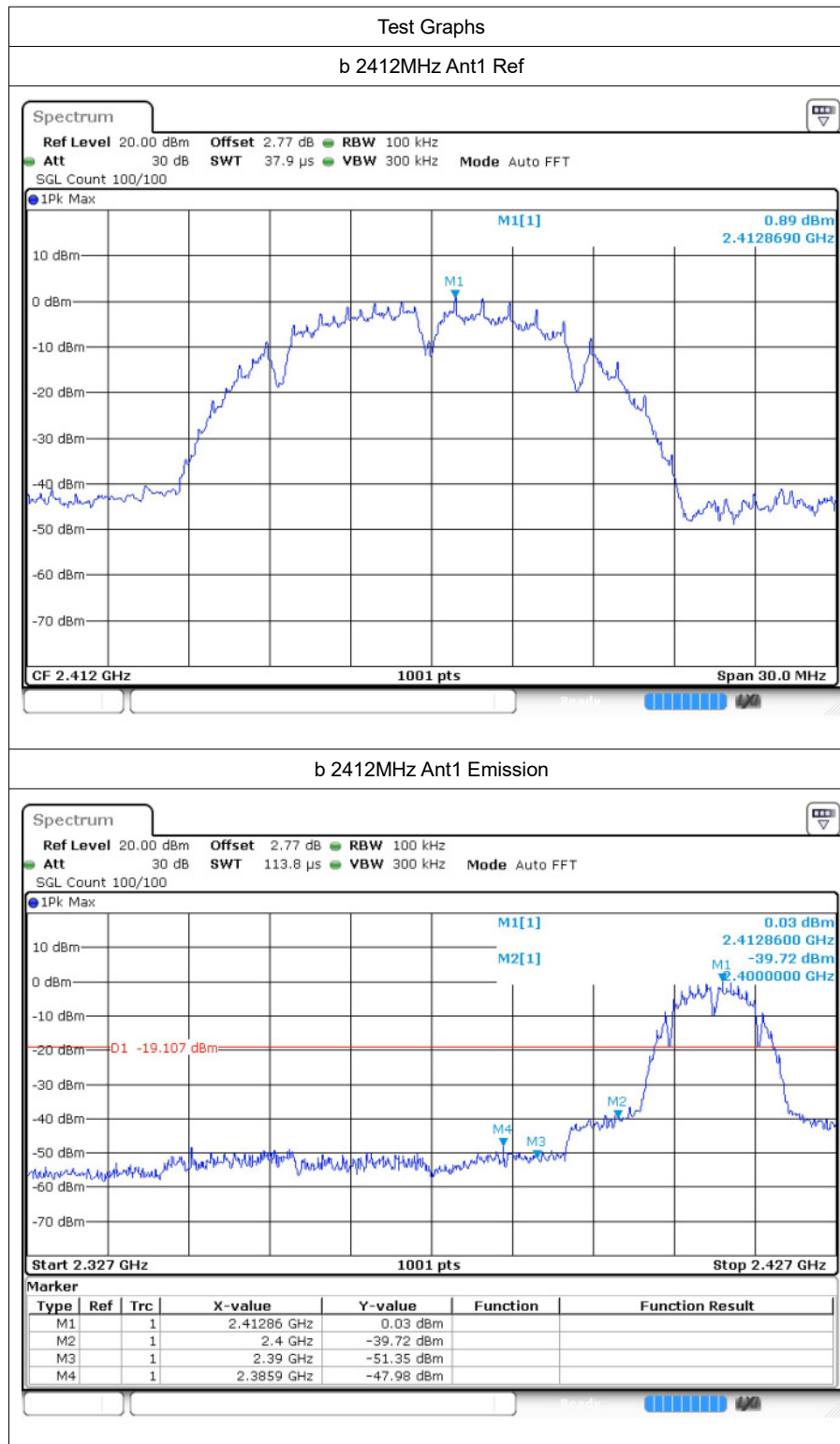


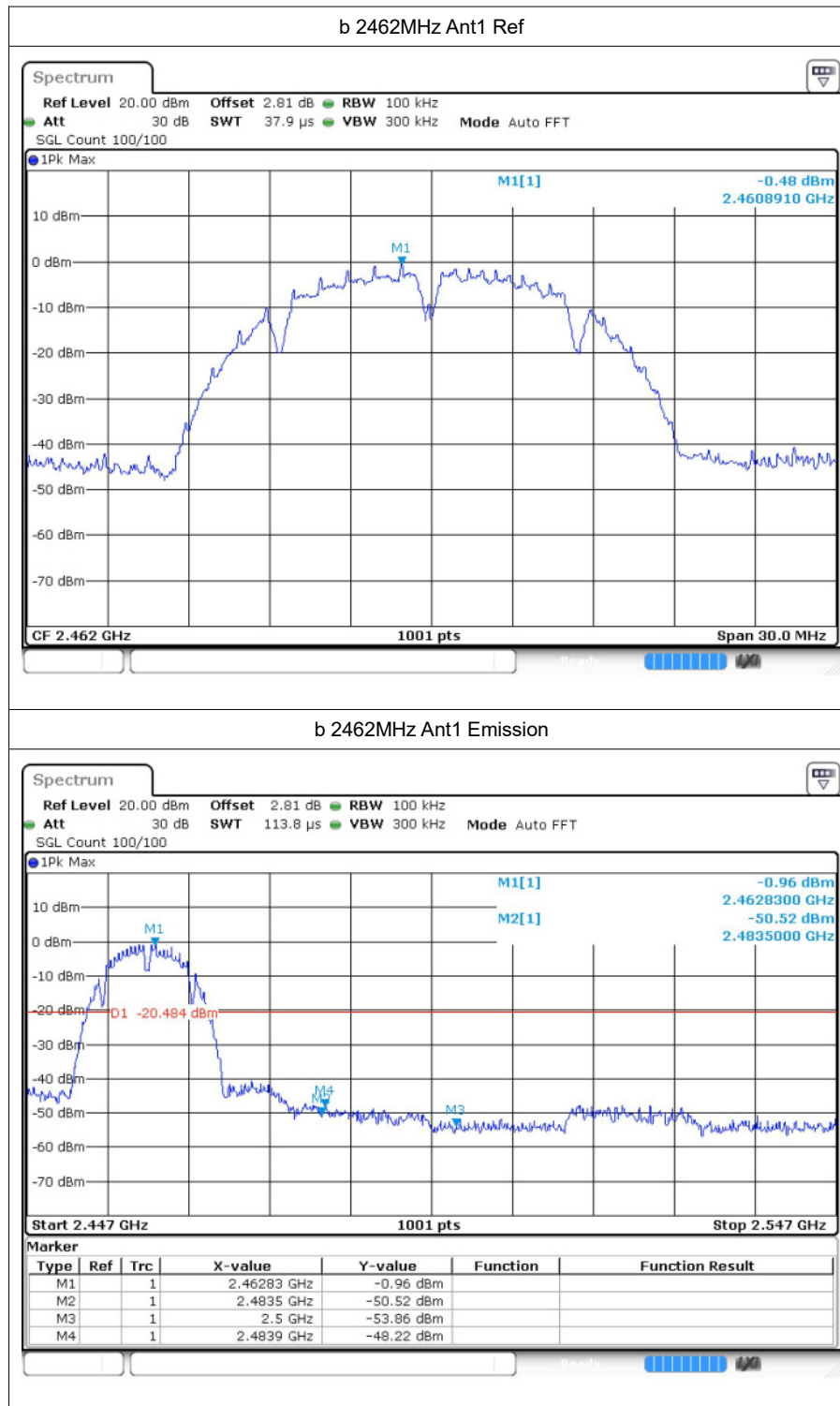
5 Band Edge

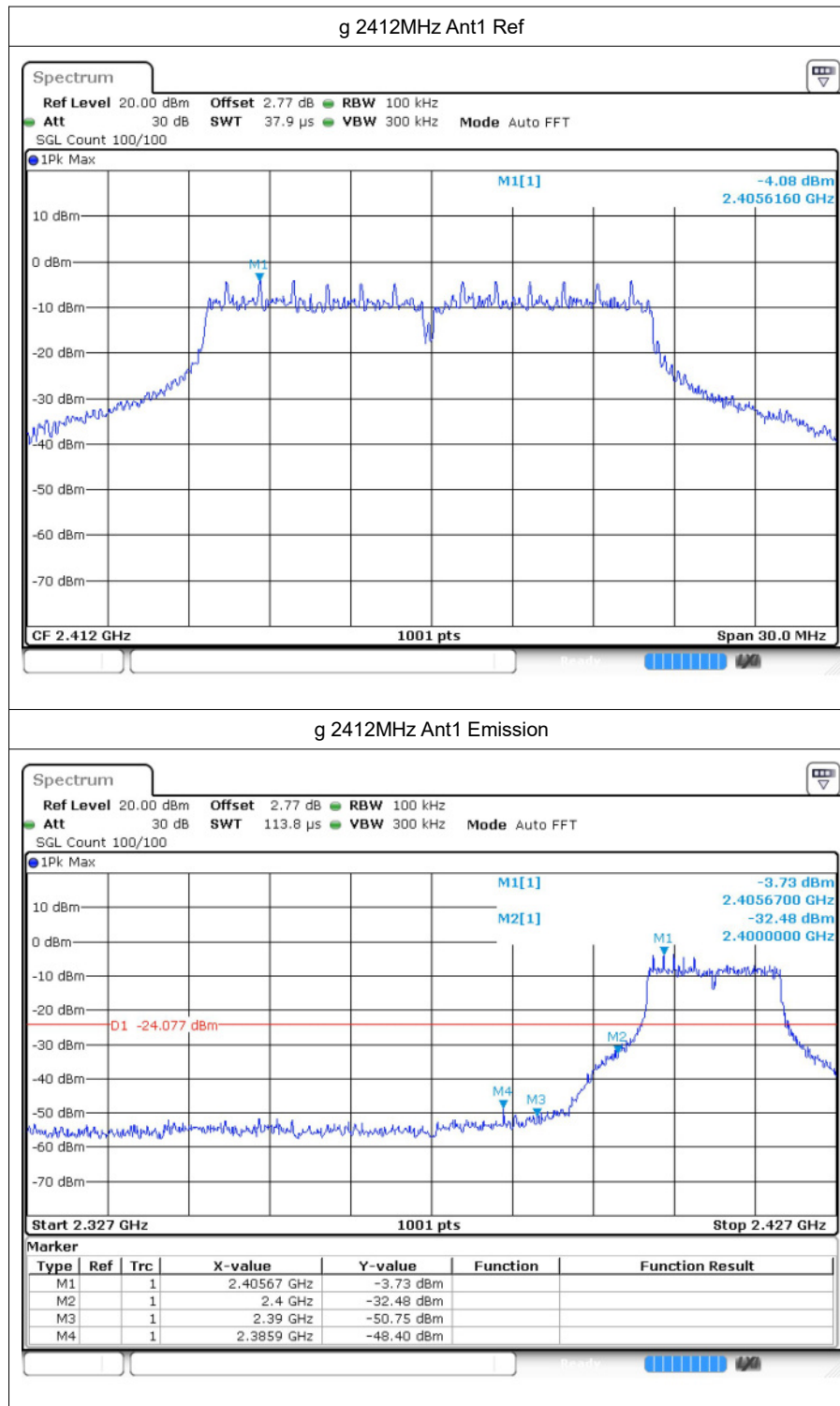
5.1 Test Result

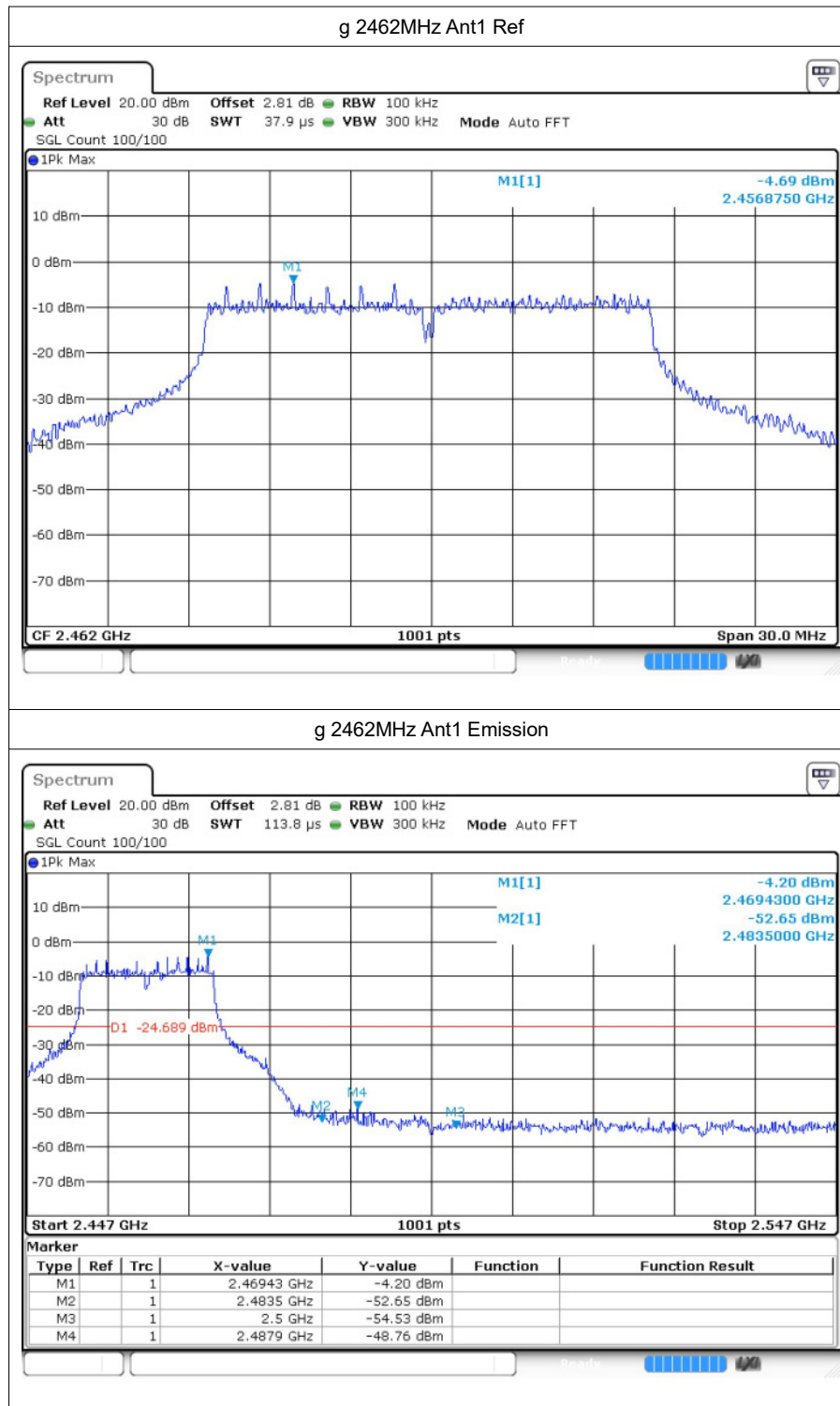
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-48.86	-20	Pass
b	2462	Ant1	-47.73	-20	Pass
g	2412	Ant1	-44.31	-20	Pass
g	2462	Ant1	-44.07	-20	Pass
n20	2412	Ant1	-43.72	-20	Pass
n20	2462	Ant1	-44.58	-20	Pass

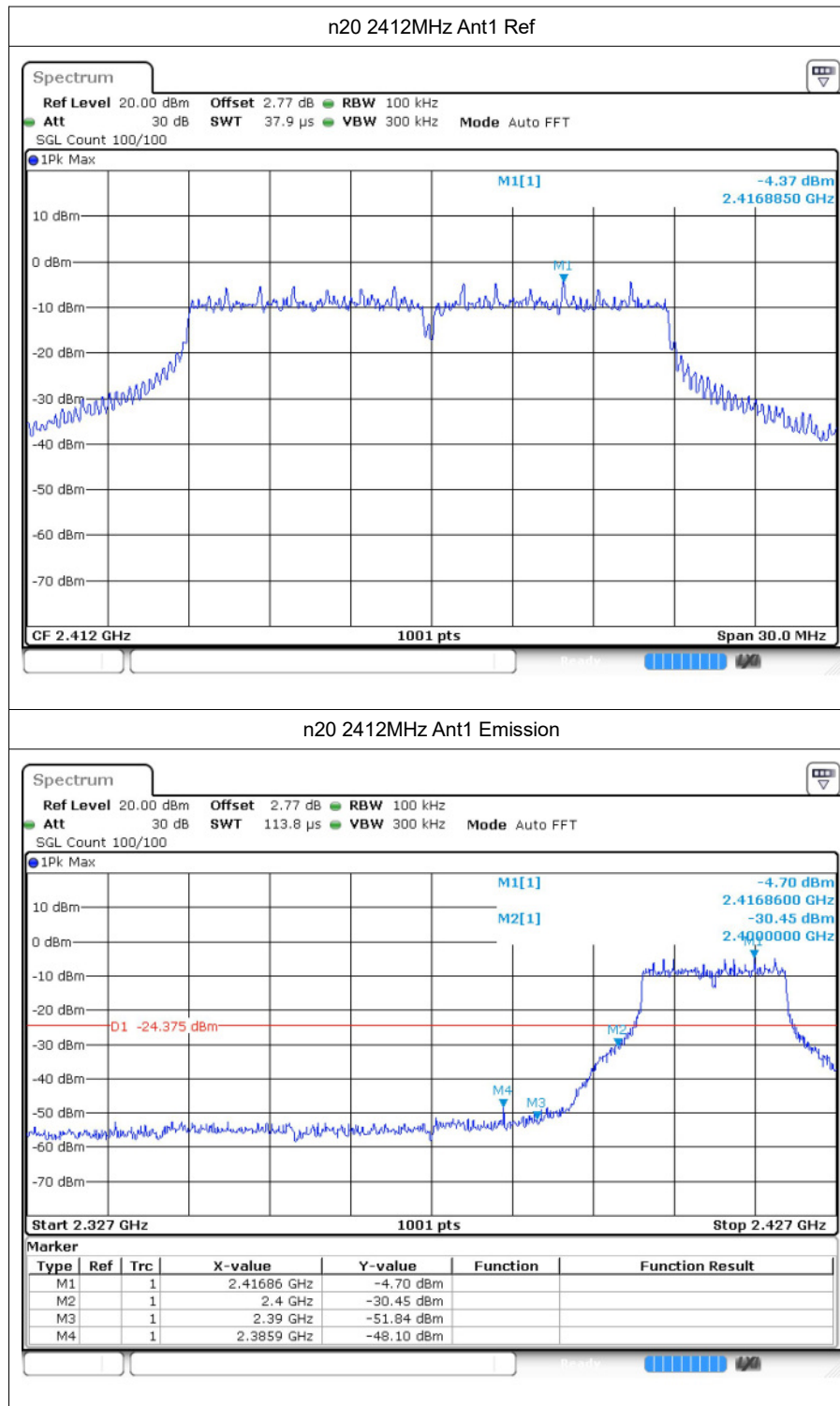
5.2 Test Graphs

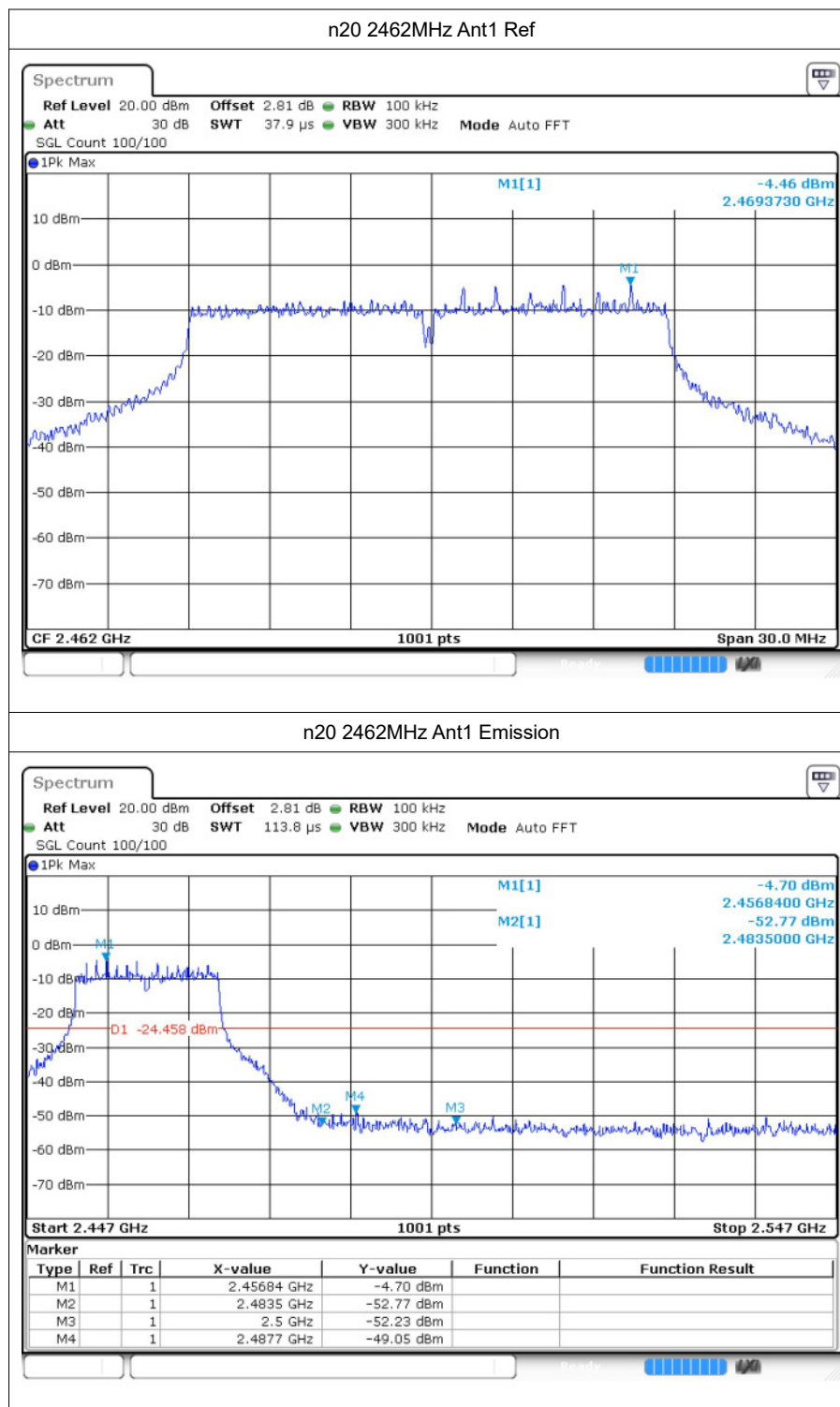














6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-36.89	-20	Pass
b	2437	Ant1	-38.7	-20	Pass
b	2462	Ant1	-41.17	-20	Pass
g	2412	Ant1	-37.08	-20	Pass
g	2437	Ant1	-37.6	-20	Pass
g	2462	Ant1	-35.6	-20	Pass
n20	2412	Ant1	-38.34	-20	Pass
n20	2437	Ant1	-36.71	-20	Pass
n20	2462	Ant1	-37.22	-20	Pass

6.2 Test Graphs

