



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: AI Glasses

Trade Mark: IK

Test Model: IK-G1

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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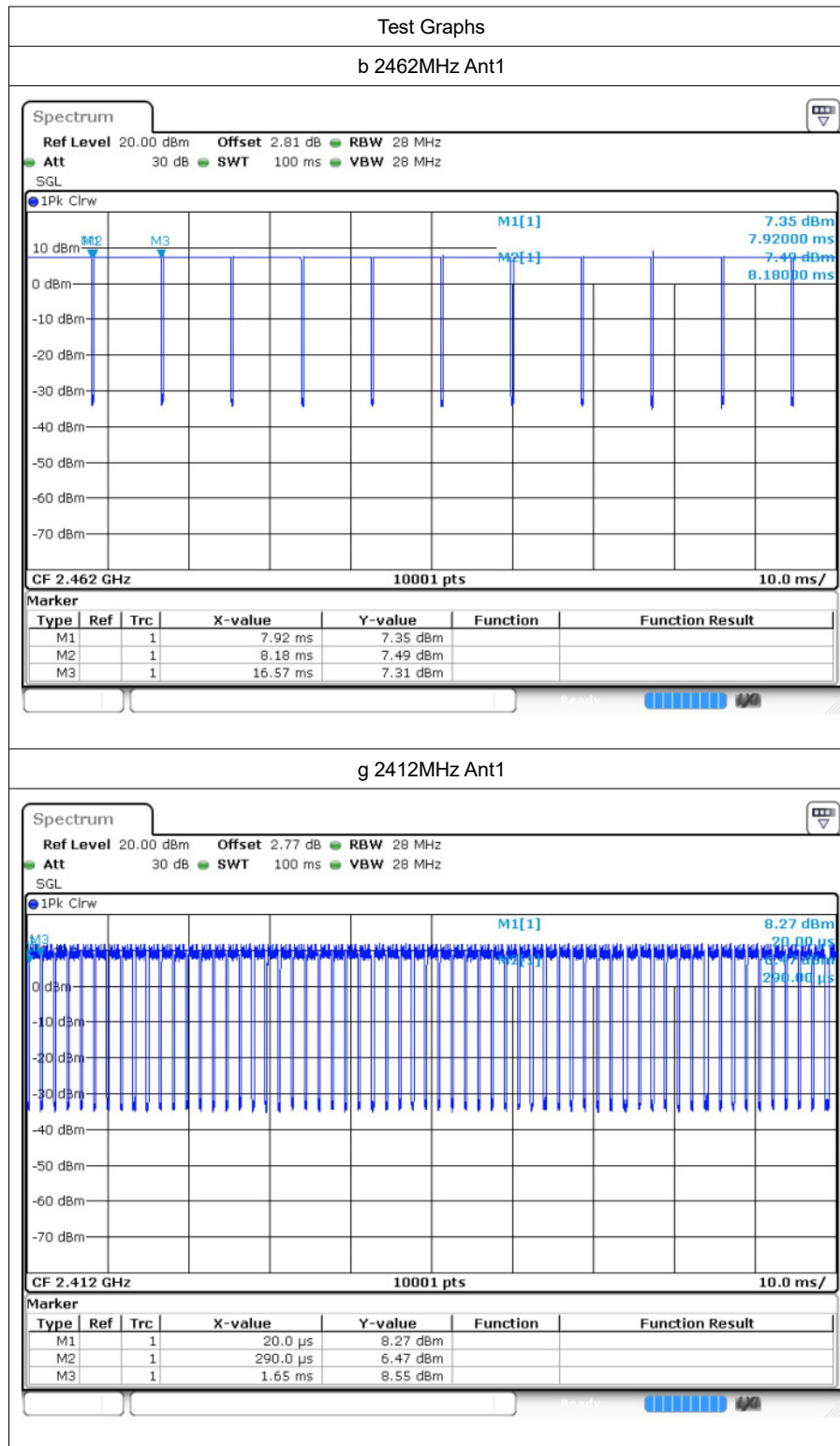
1 Duty Cycle

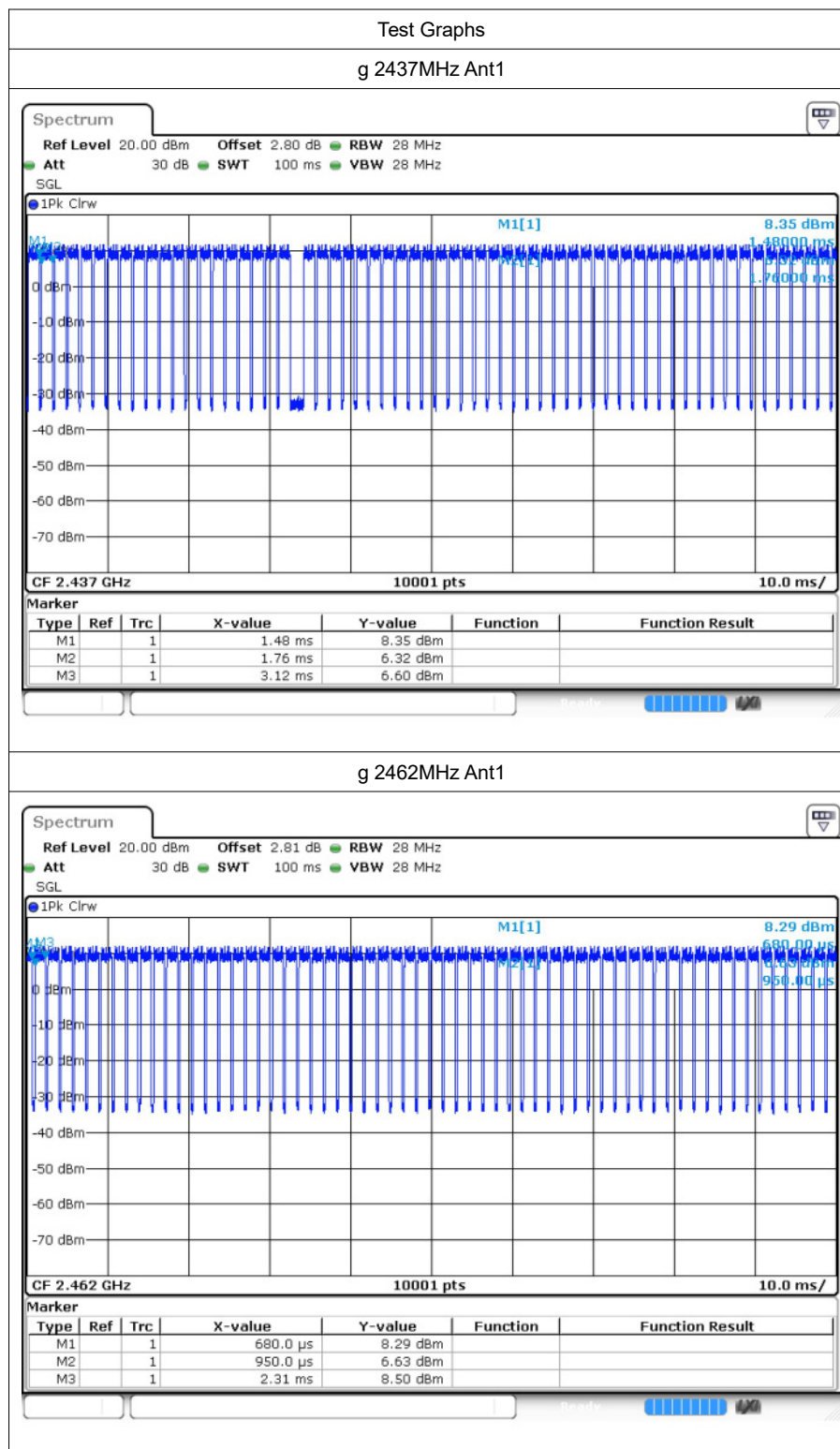
1.1 Test Result

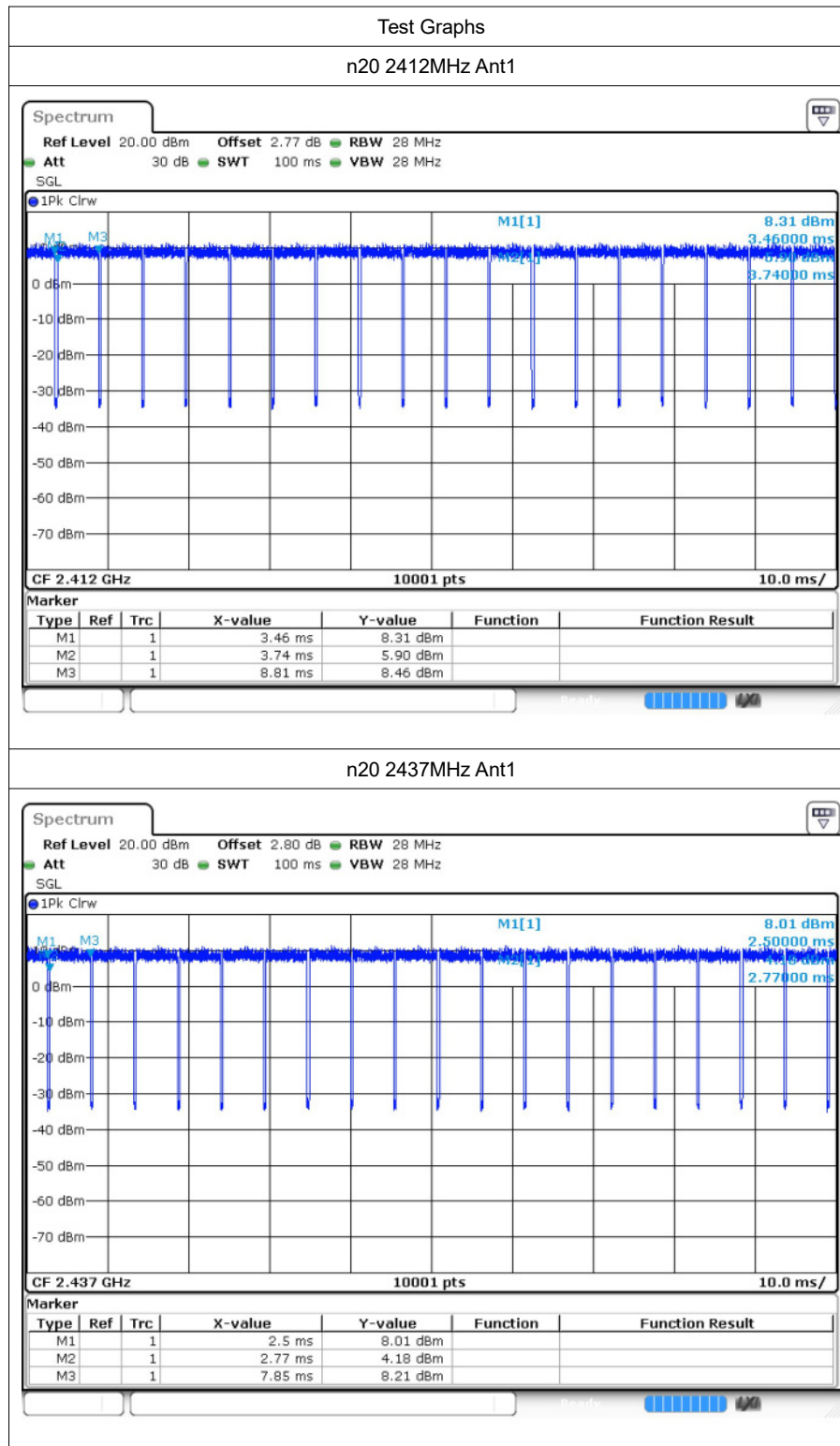
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	96.51	0.15	0.12
b	2437	Ant1	96.91	0.14	0.12
b	2462	Ant1	97.18	0.12	0.12
g	2412	Ant1	83.08	0.8	0.74
g	2437	Ant1	82.74	0.82	0.74
g	2462	Ant1	84.01	0.76	0.74
n20	2412	Ant1	95.06	0.22	0.2
n20	2437	Ant1	95.01	0.22	0.2
n20	2462	Ant1	95.28	0.21	0.2

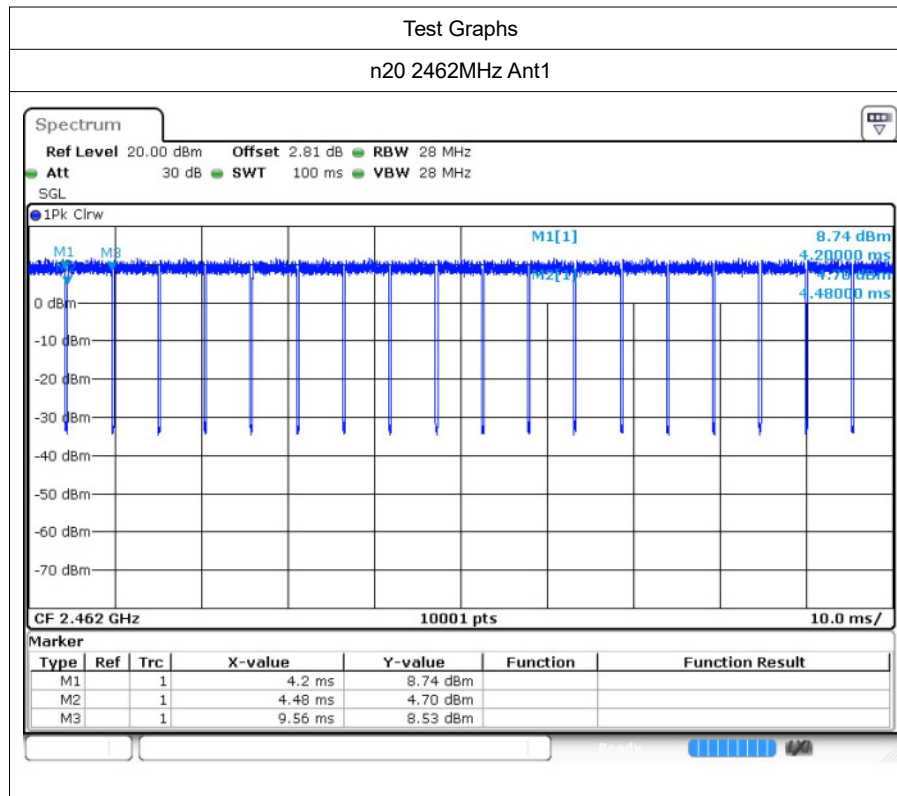
1.2 Test Graphs











2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	8.22	30	Pass
b	2437	Ant1	8.31	30	Pass
b	2462	Ant1	8.72	30	Pass
g	2412	Ant1	8.24	30	Pass
g	2437	Ant1	8.04	30	Pass
g	2462	Ant1	8.27	30	Pass
n20	2412	Ant1	7.78	30	Pass
n20	2437	Ant1	7.49	30	Pass
n20	2462	Ant1	8.11	30	Pass

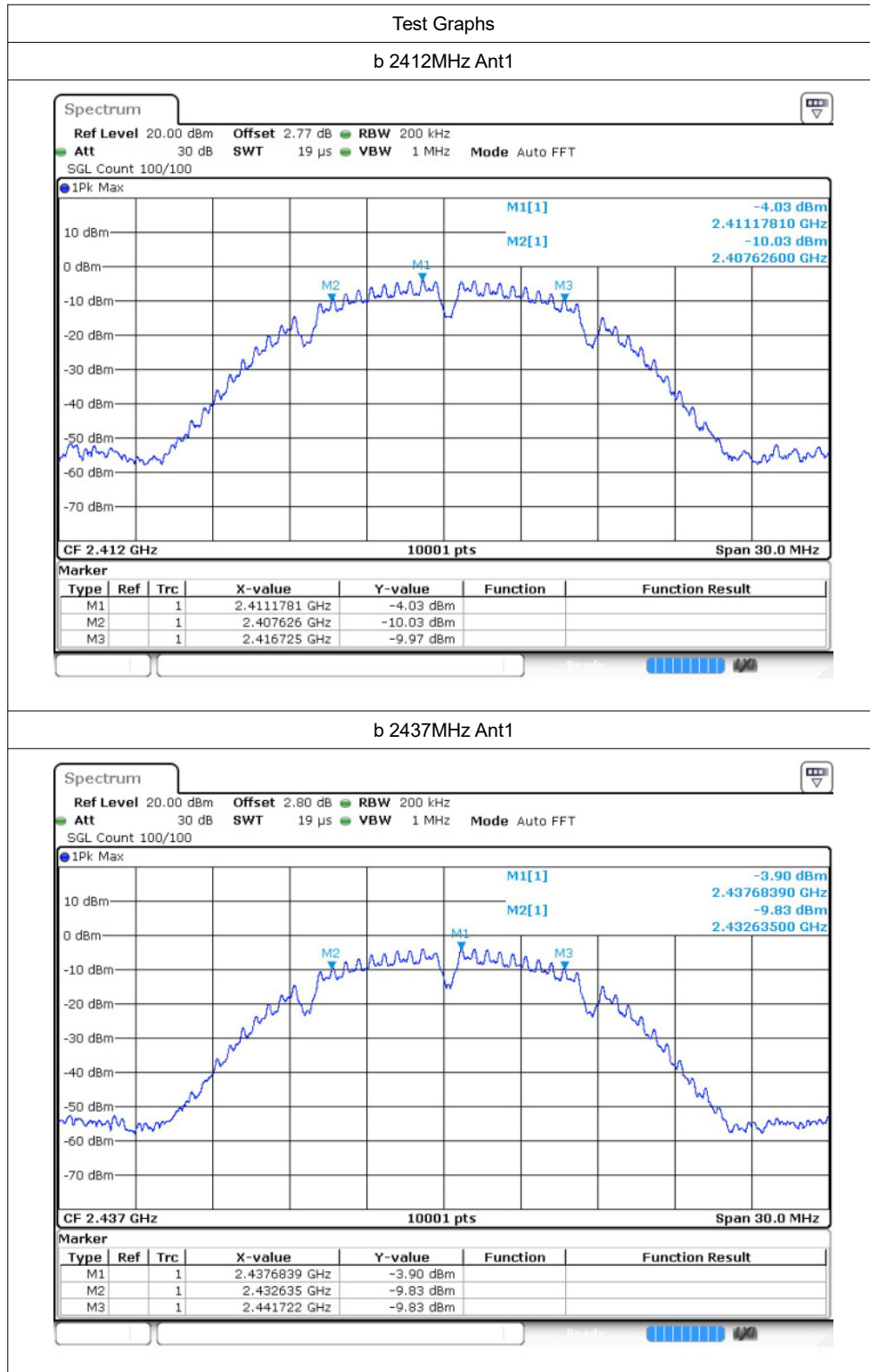


3 -6dB Bandwidth

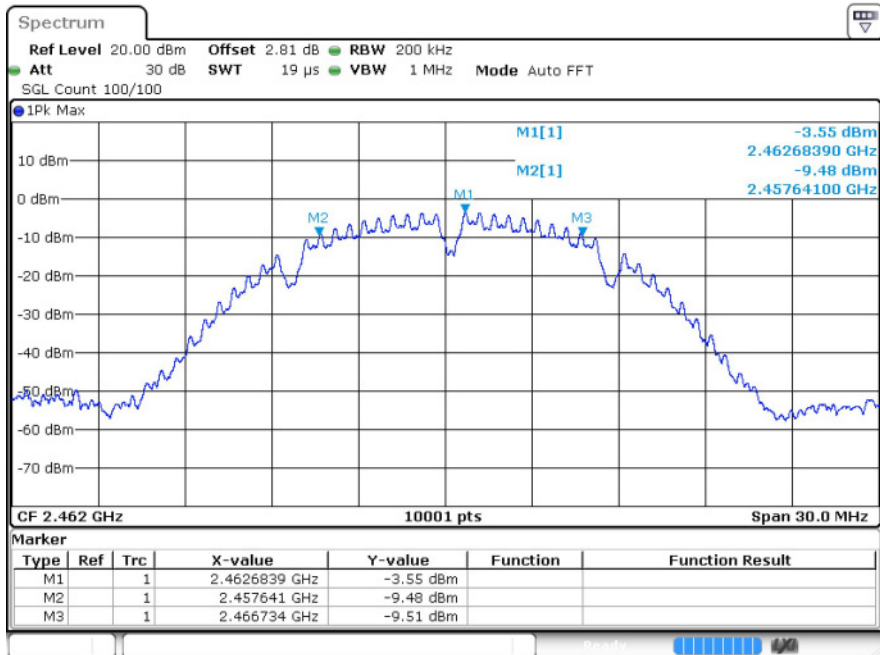
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	9.099	0.5	Pass
b	2437	Ant1	9.087	0.5	Pass
b	2462	Ant1	9.093	0.5	Pass
g	2412	Ant1	12.906	0.5	Pass
g	2437	Ant1	12.867	0.5	Pass
g	2462	Ant1	12.816	0.5	Pass
n20	2412	Ant1	12.918	0.5	Pass
n20	2437	Ant1	12.774	0.5	Pass
n20	2462	Ant1	12.882	0.5	Pass

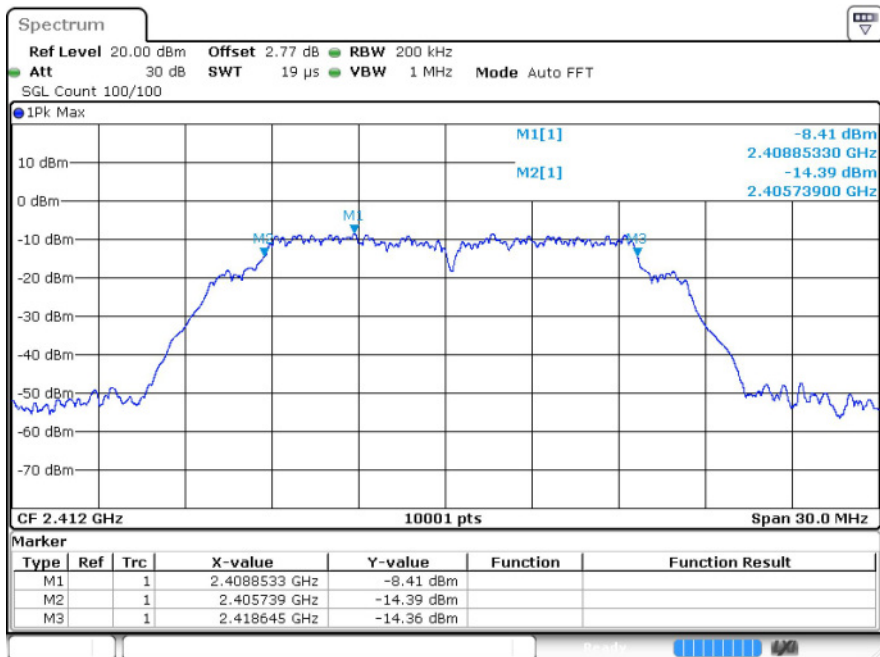
3.2 Test Graphs



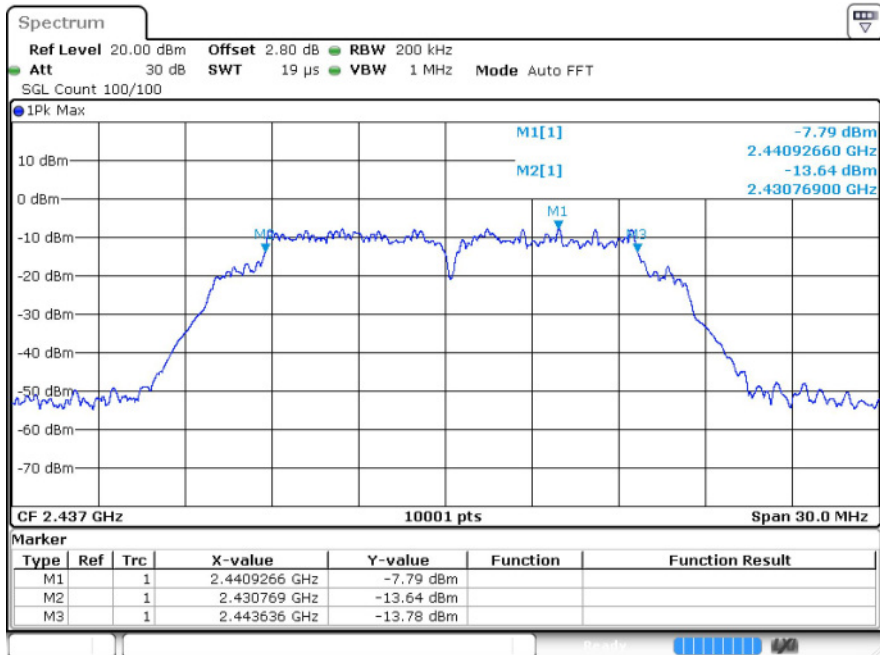
b 2462MHz Ant1



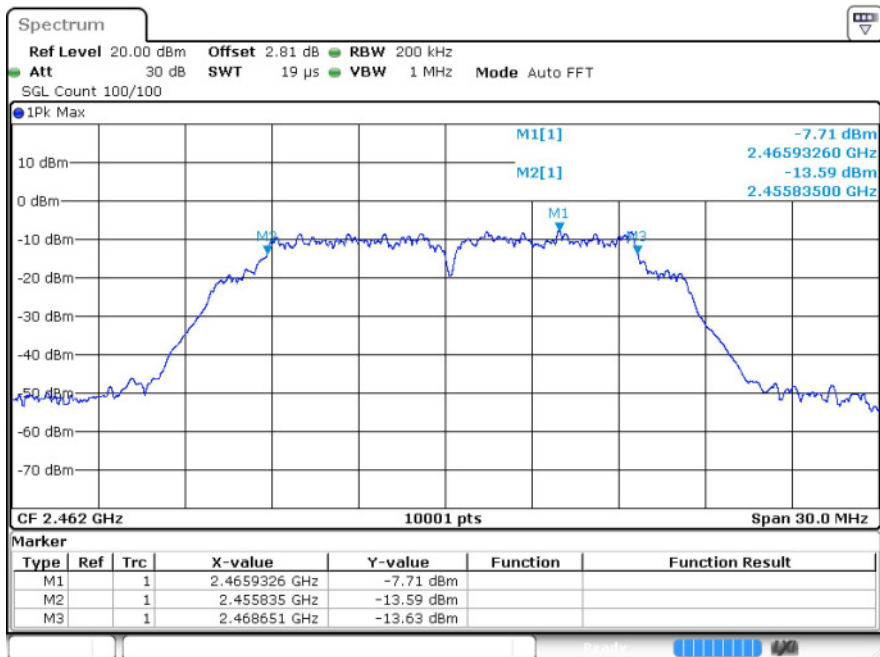
g 2412MHz Ant1

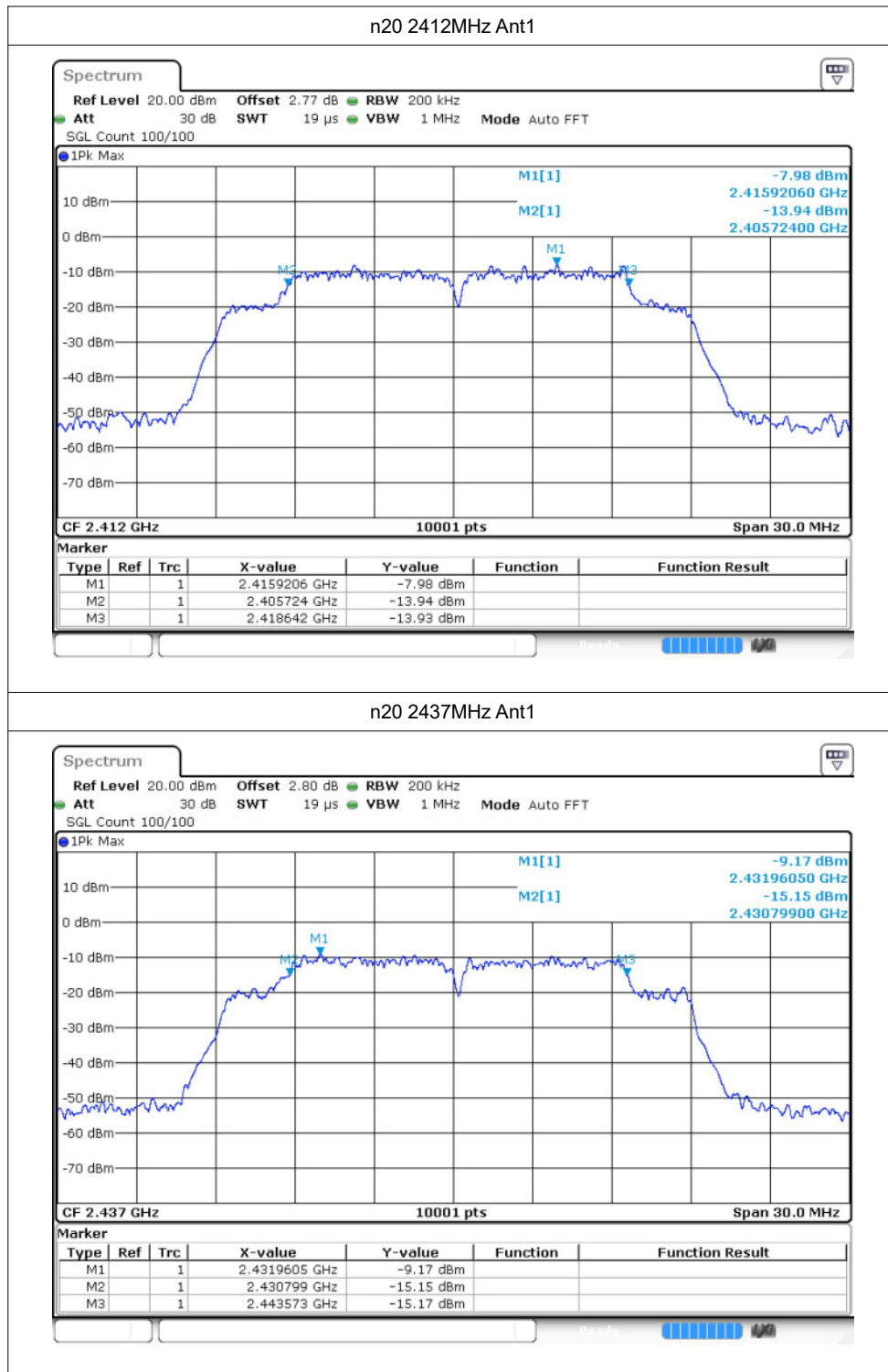


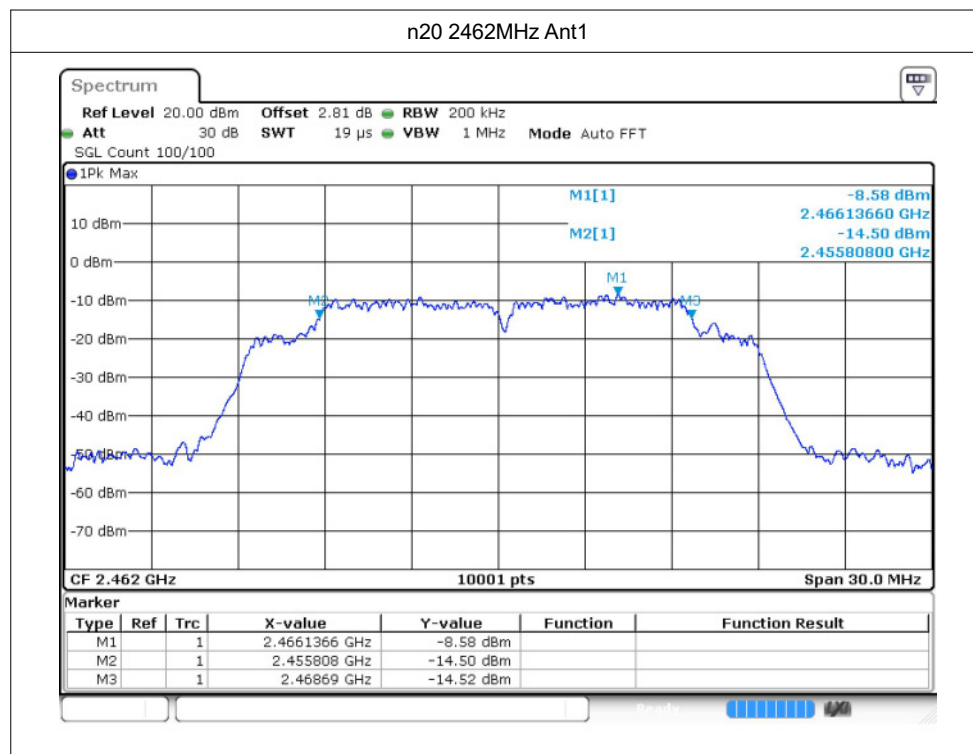
g 2437MHz Ant1



g 2462MHz Ant1





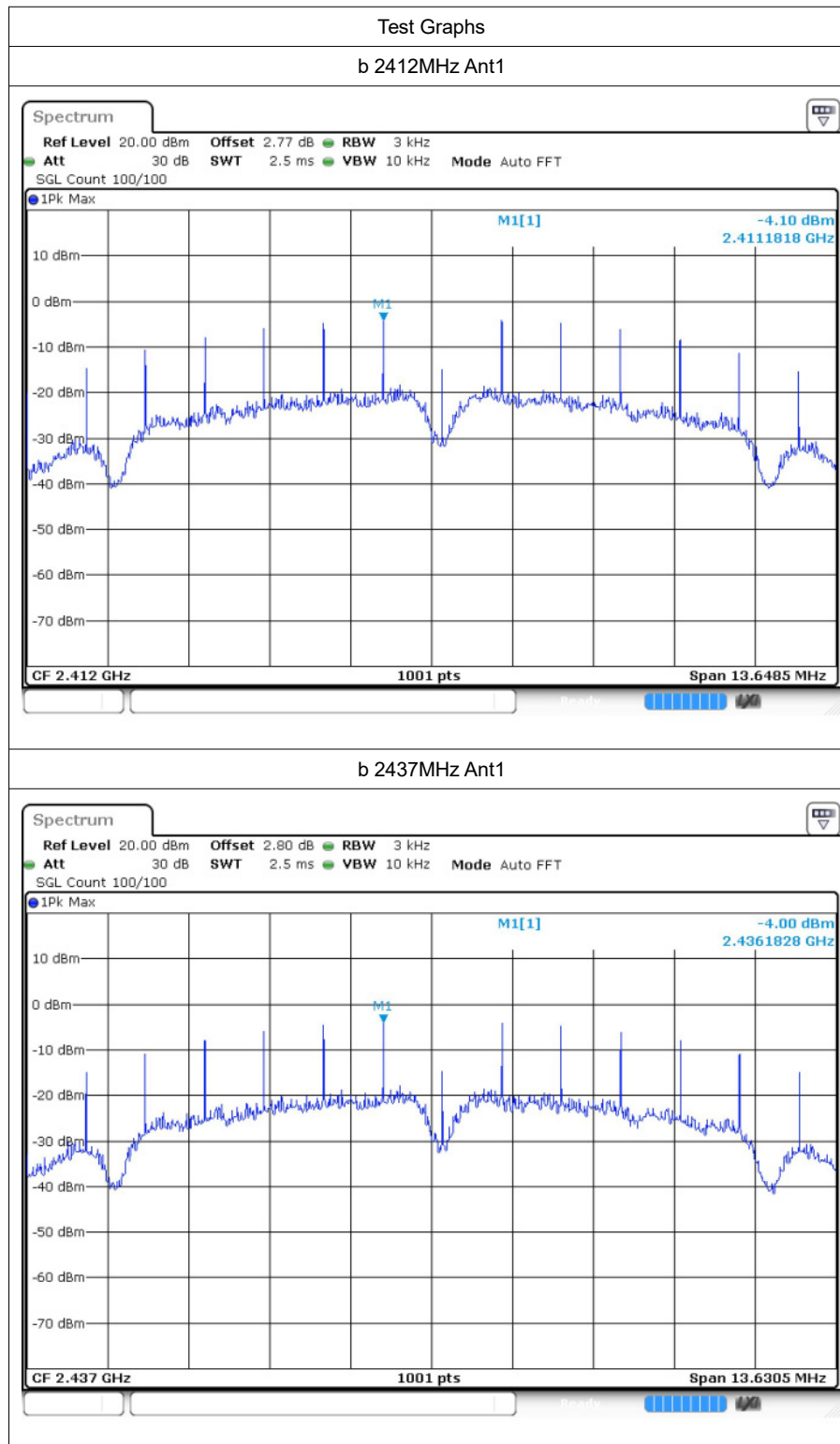


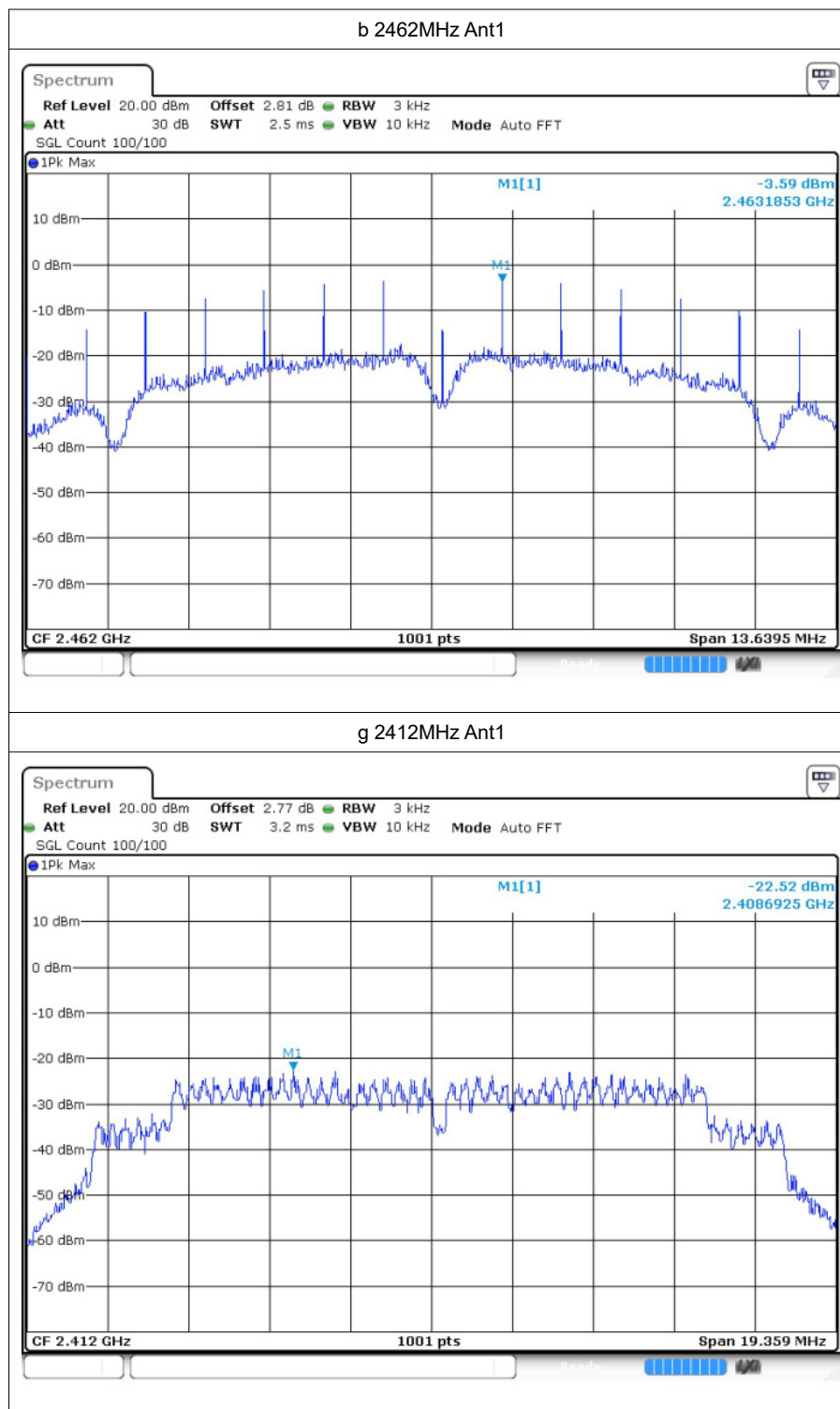
4 Maximum Power Spectral Density Level

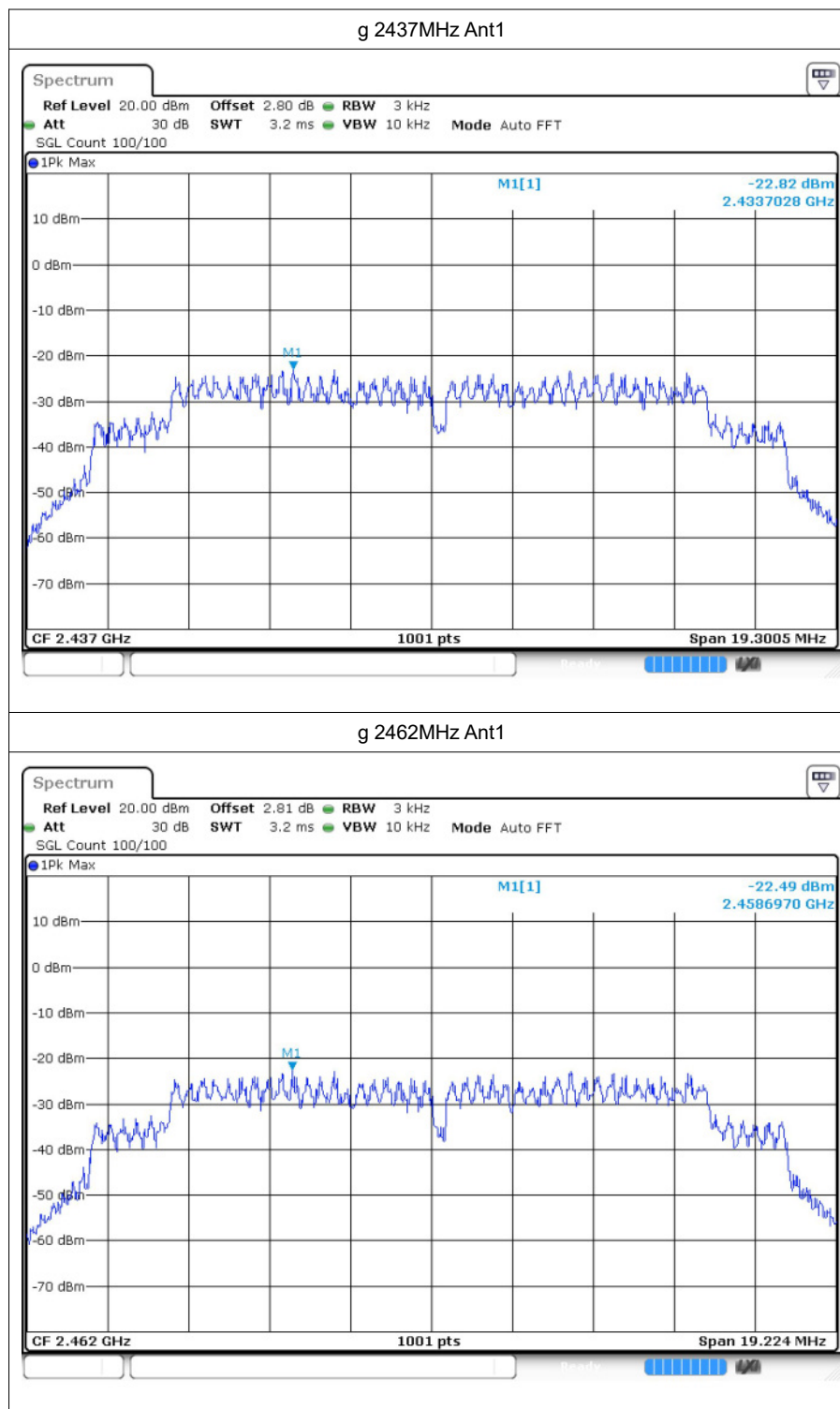
4.1 Test Result

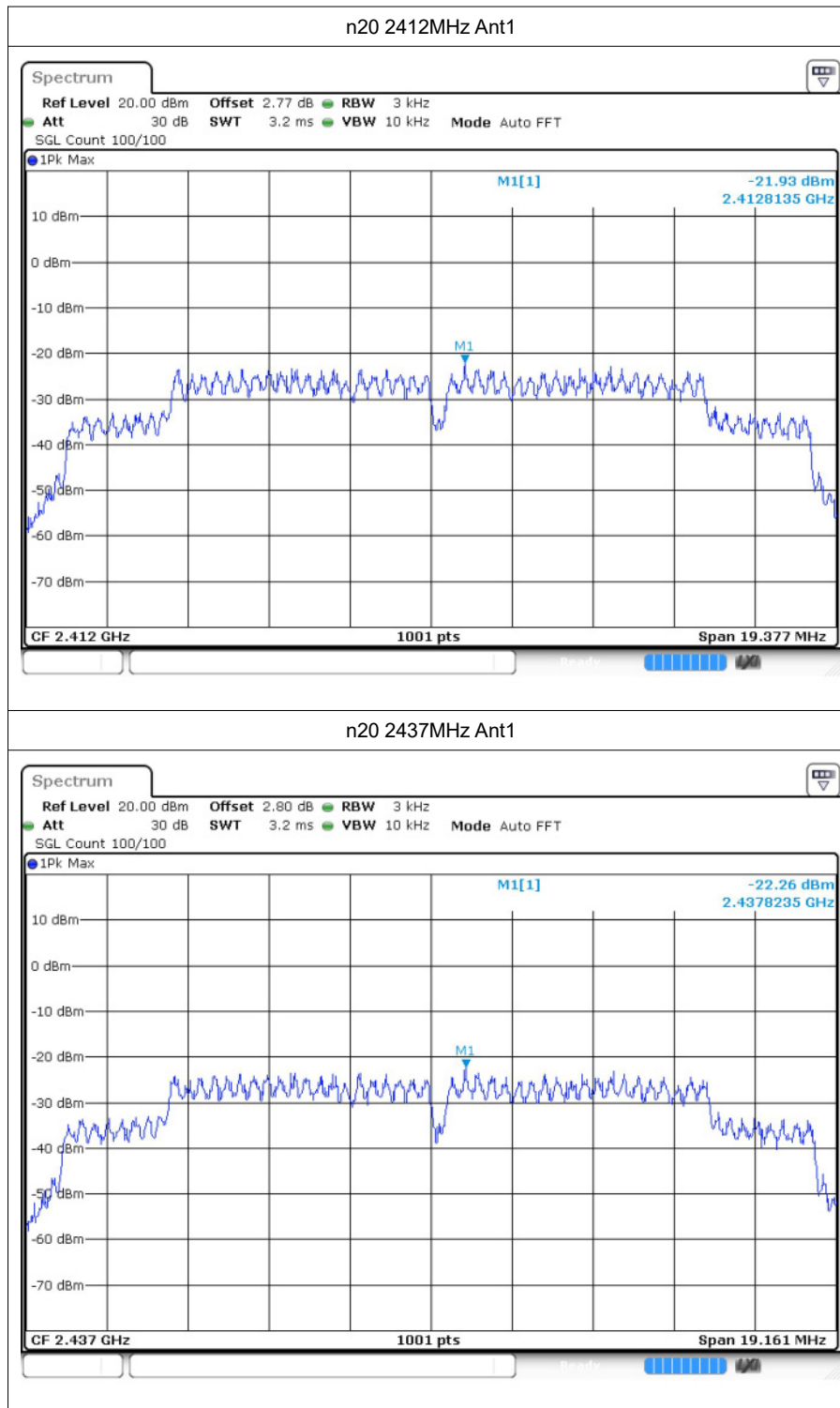
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-4.1	≤8	Pass
b	2437	Ant1	-4	≤8	Pass
b	2462	Ant1	-3.59	≤8	Pass
g	2412	Ant1	-22.52	≤8	Pass
g	2437	Ant1	-22.82	≤8	Pass
g	2462	Ant1	-22.49	≤8	Pass
n20	2412	Ant1	-21.93	≤8	Pass
n20	2437	Ant1	-22.26	≤8	Pass
n20	2462	Ant1	-21.56	≤8	Pass

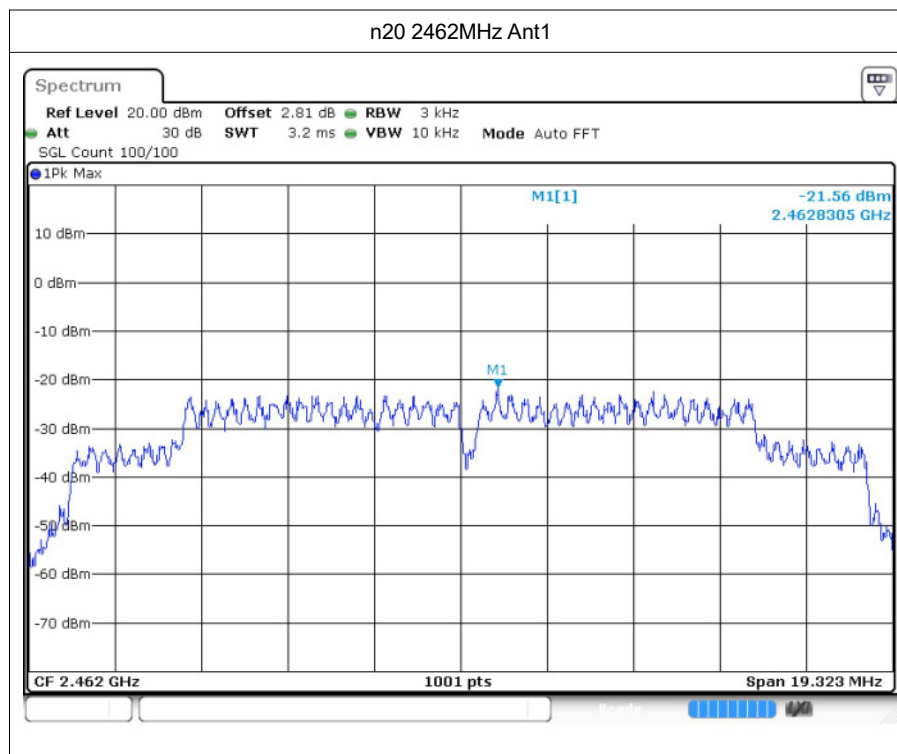
4.2 Test Graphs











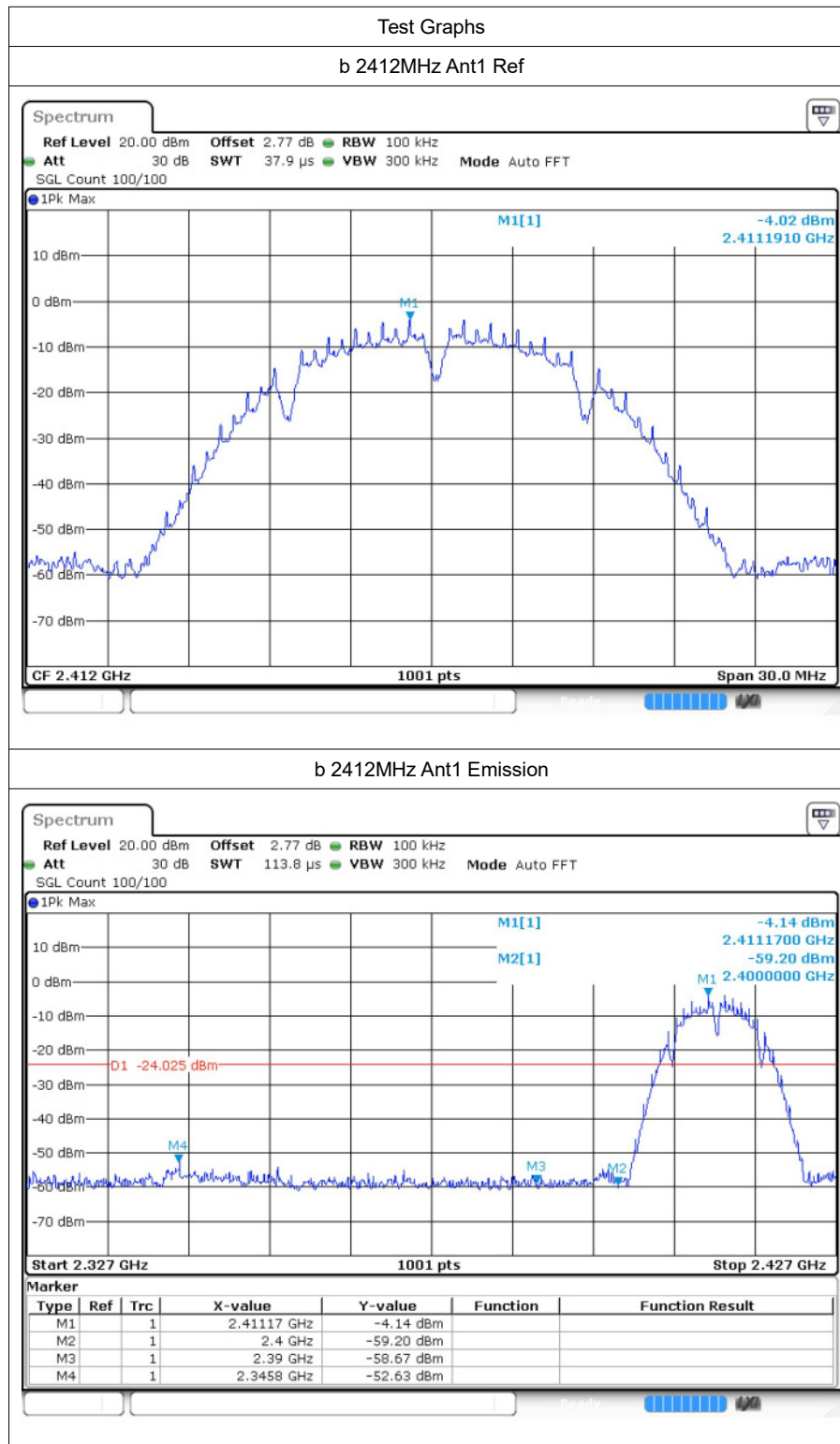


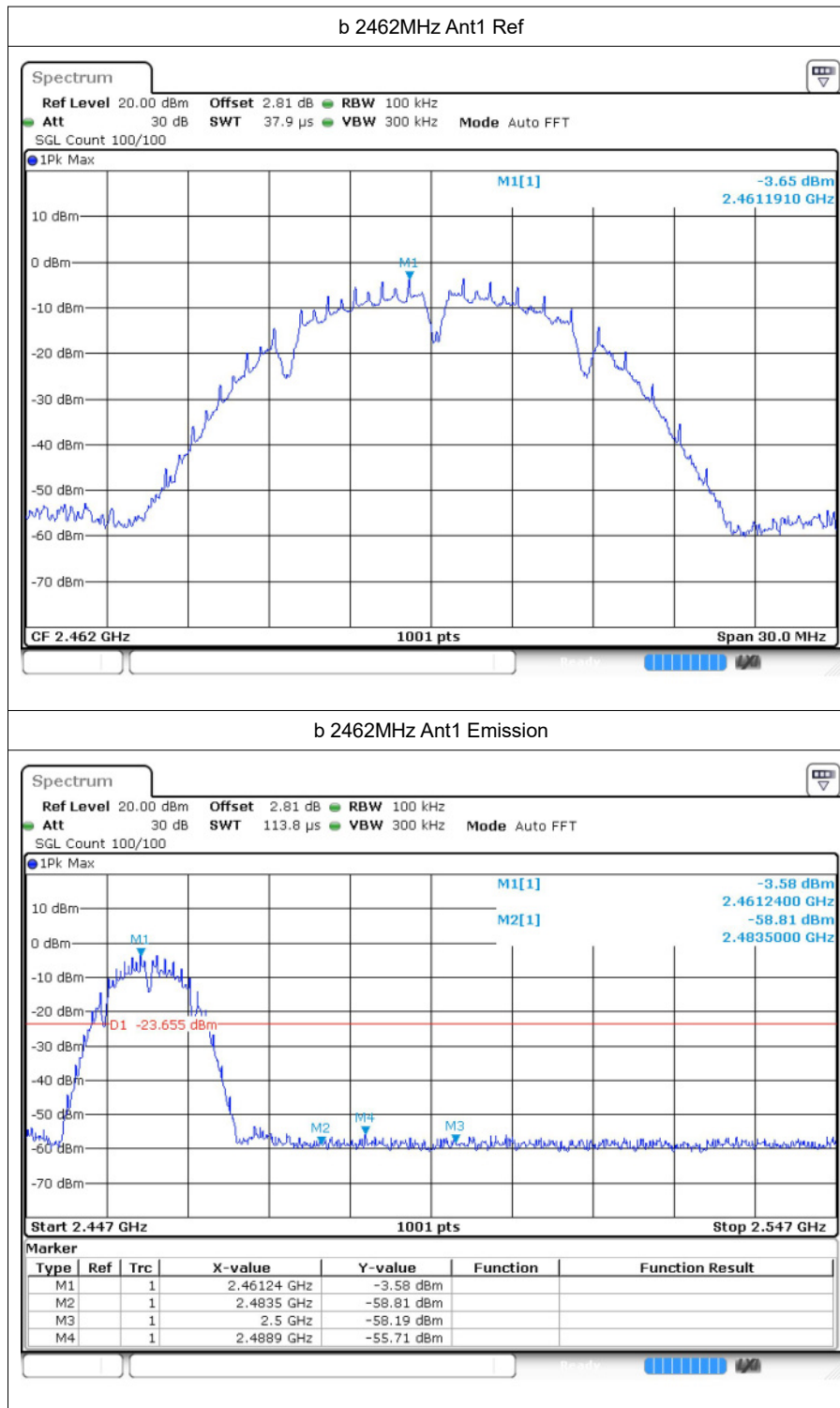
5 Band Edge

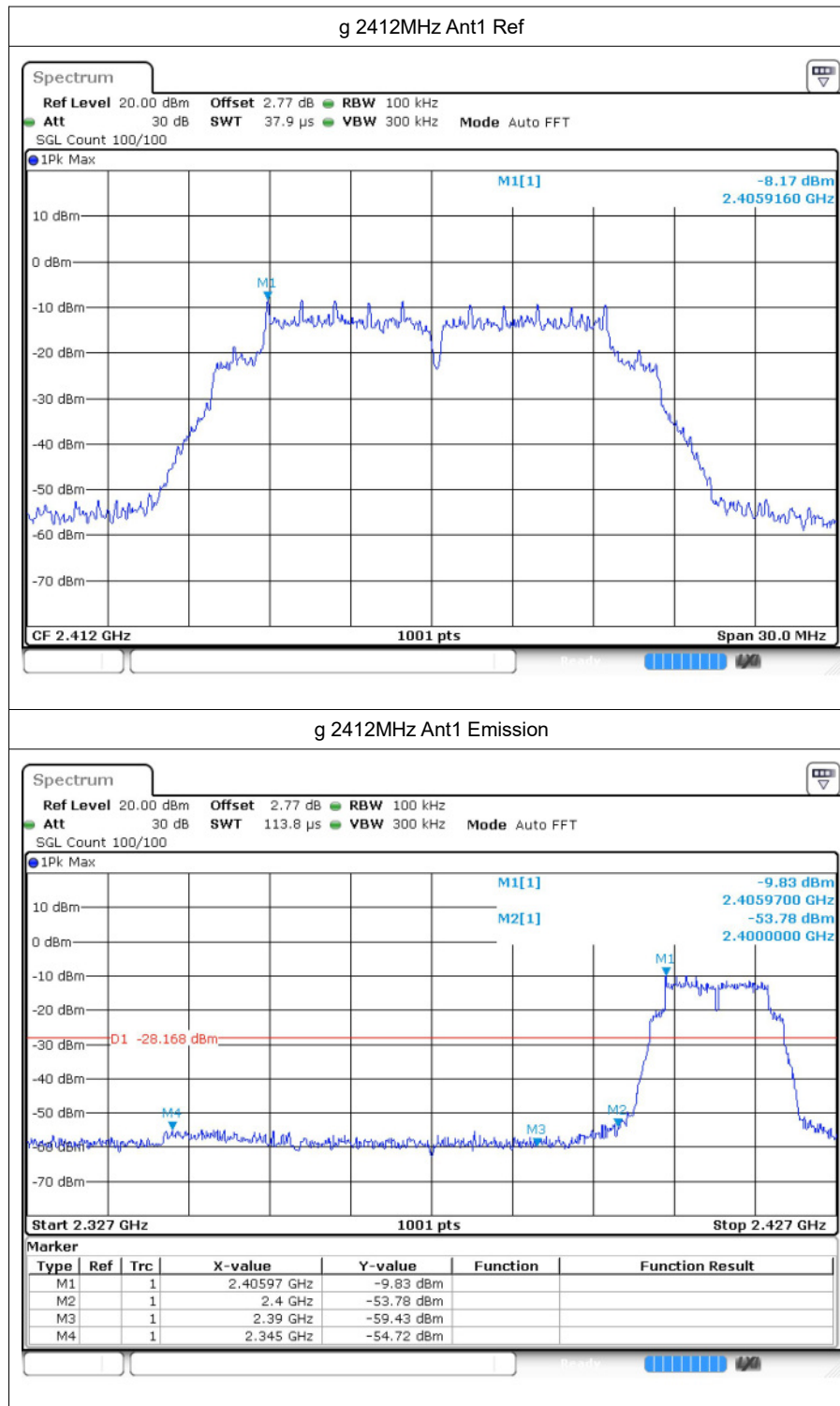
5.1 Test Result

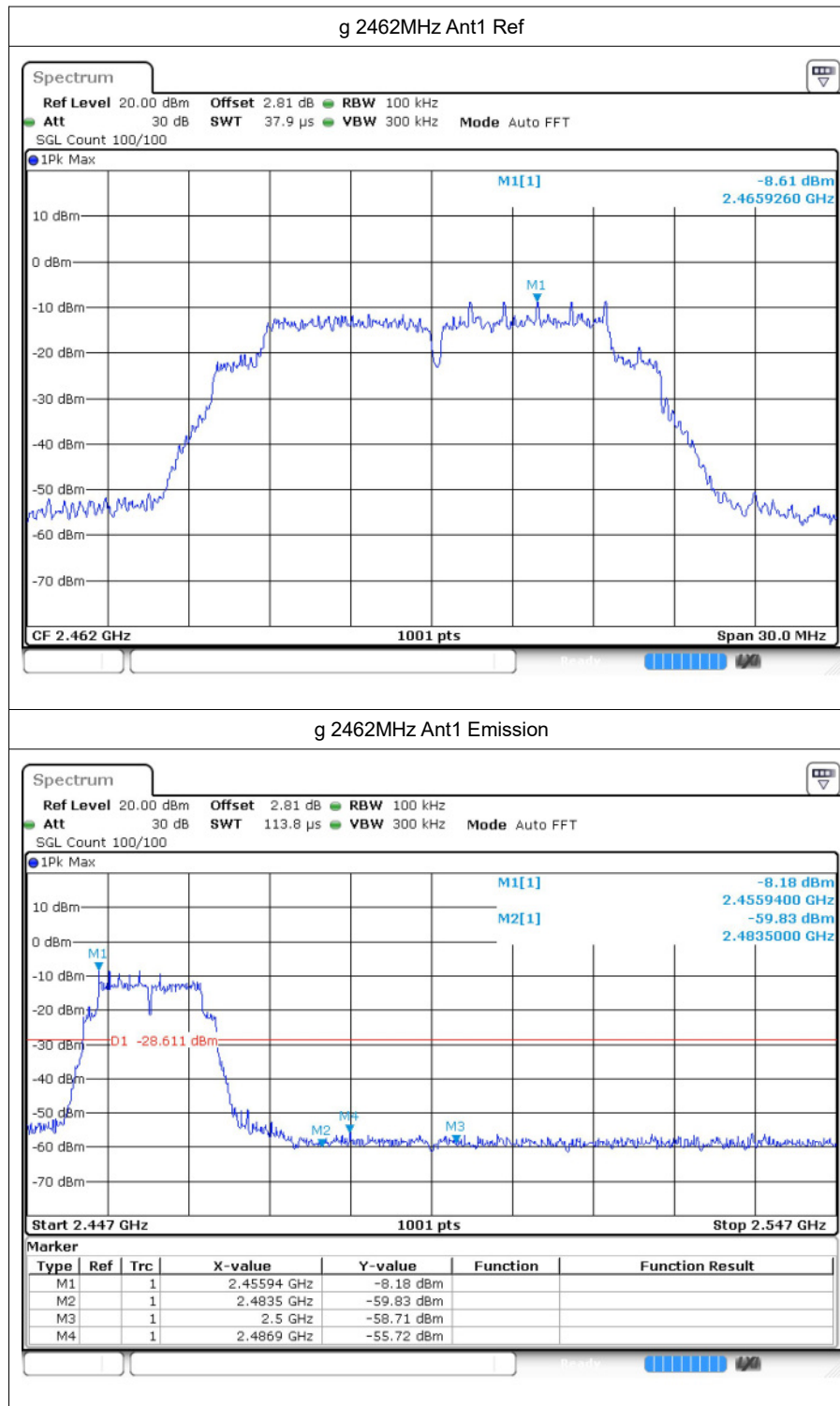
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-48.61	-20	Pass
b	2462	Ant1	-52.05	-20	Pass
g	2412	Ant1	-46.55	-20	Pass
g	2462	Ant1	-47.11	-20	Pass
n20	2412	Ant1	-42.9	-20	Pass
n20	2462	Ant1	-43.17	-20	Pass

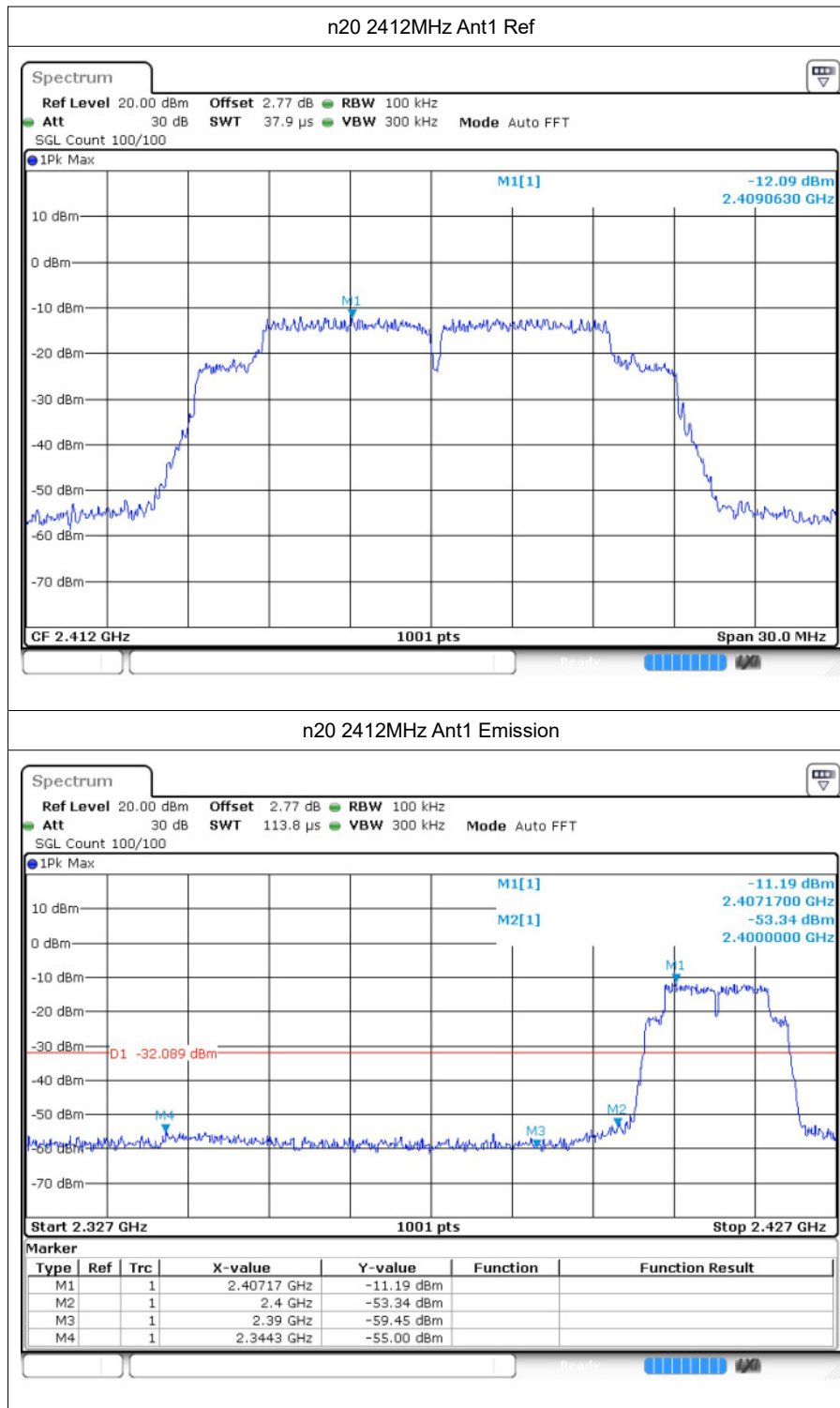
5.2 Test Graphs

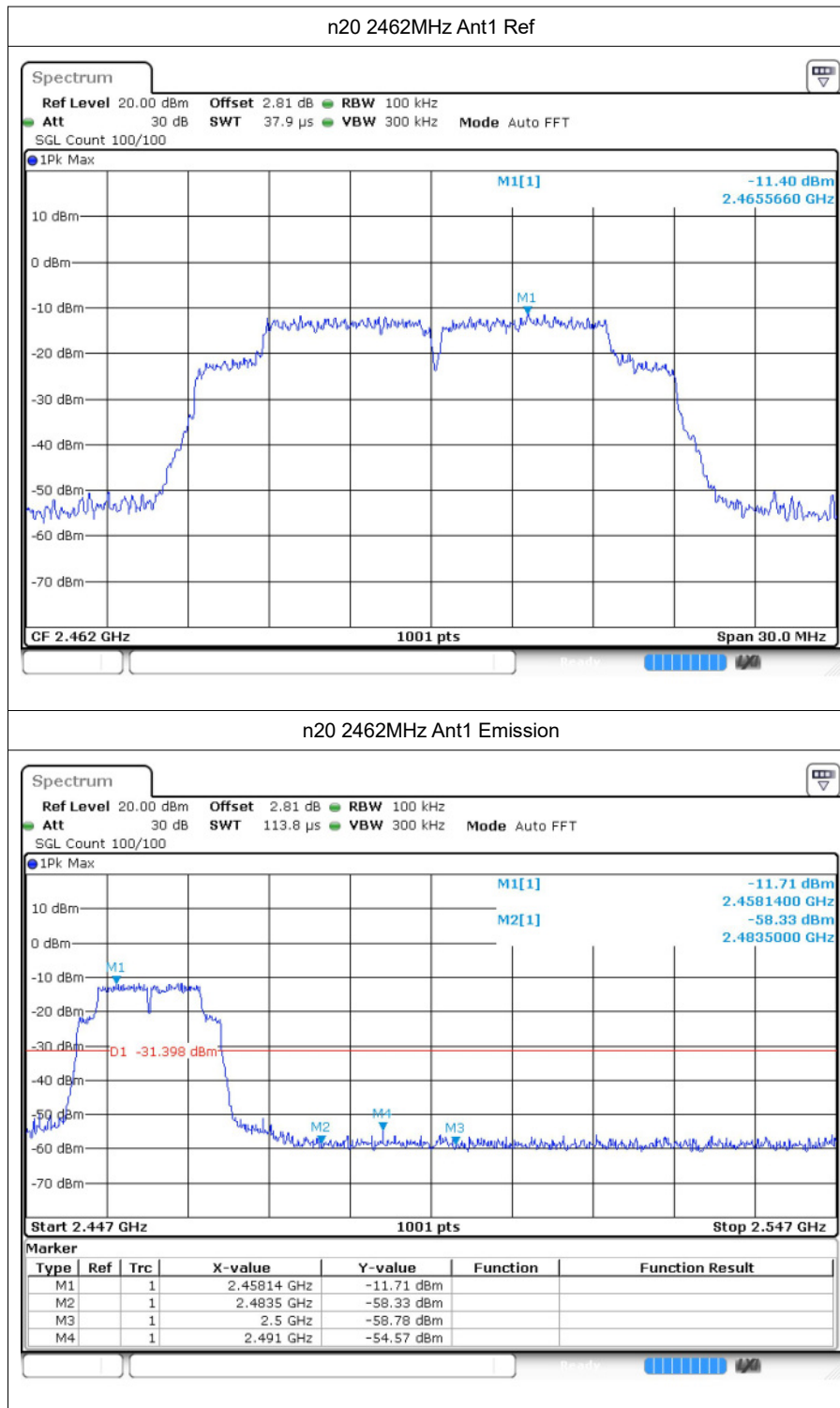














6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-36.55	-20	Pass
b	2437	Ant1	-37.84	-20	Pass
b	2462	Ant1	-37.38	-20	Pass
g	2412	Ant1	-30.29	-20	Pass
g	2437	Ant1	-29.71	-20	Pass
g	2462	Ant1	-30.22	-20	Pass
n20	2412	Ant1	-31.08	-20	Pass
n20	2437	Ant1	-28.62	-20	Pass
n20	2462	Ant1	-34.25	-20	Pass

6.2 Test Graphs

