



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Carplay/Carplay dash camera

Trade Mark: N/A

Test Model: RC06

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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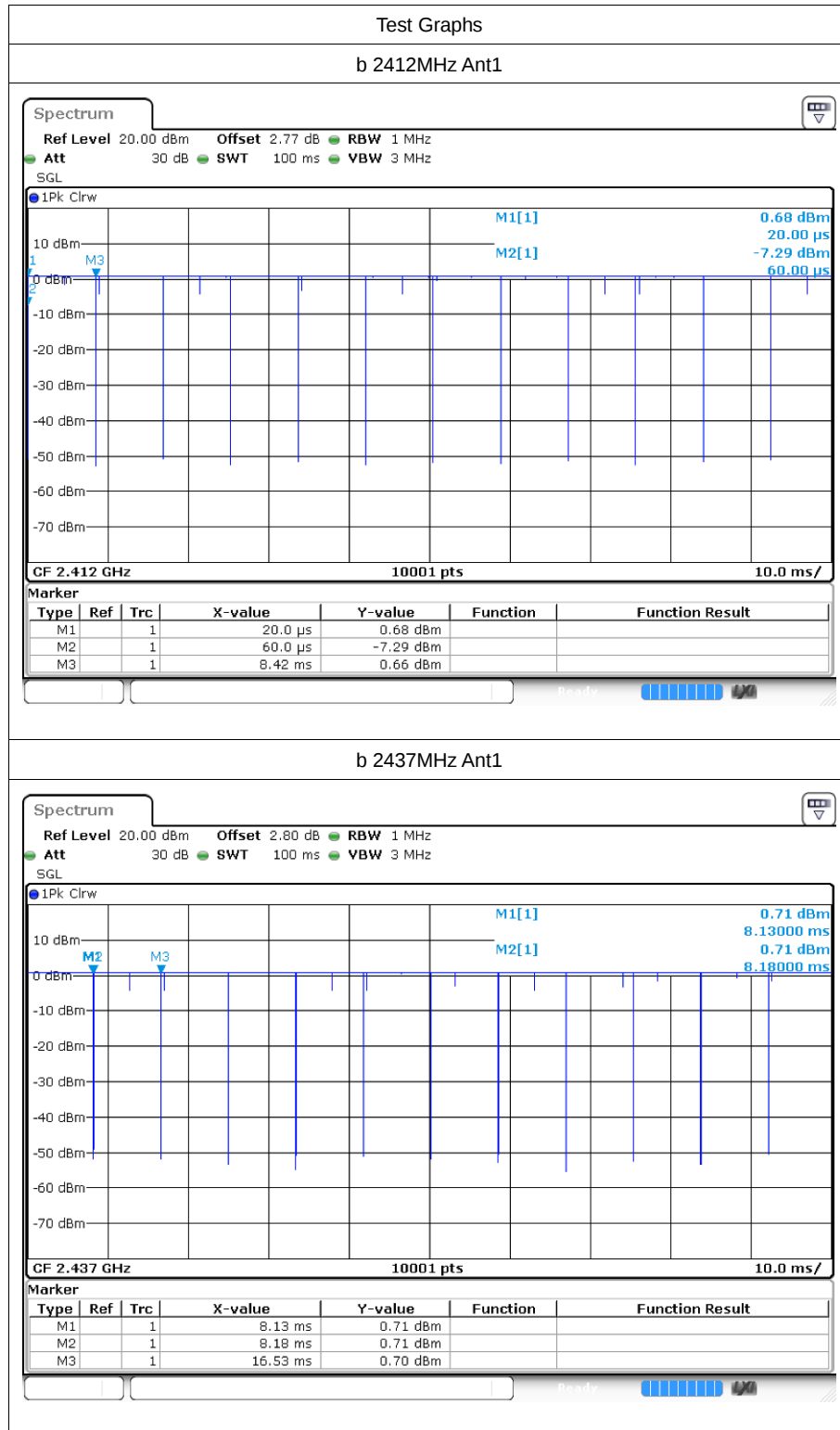


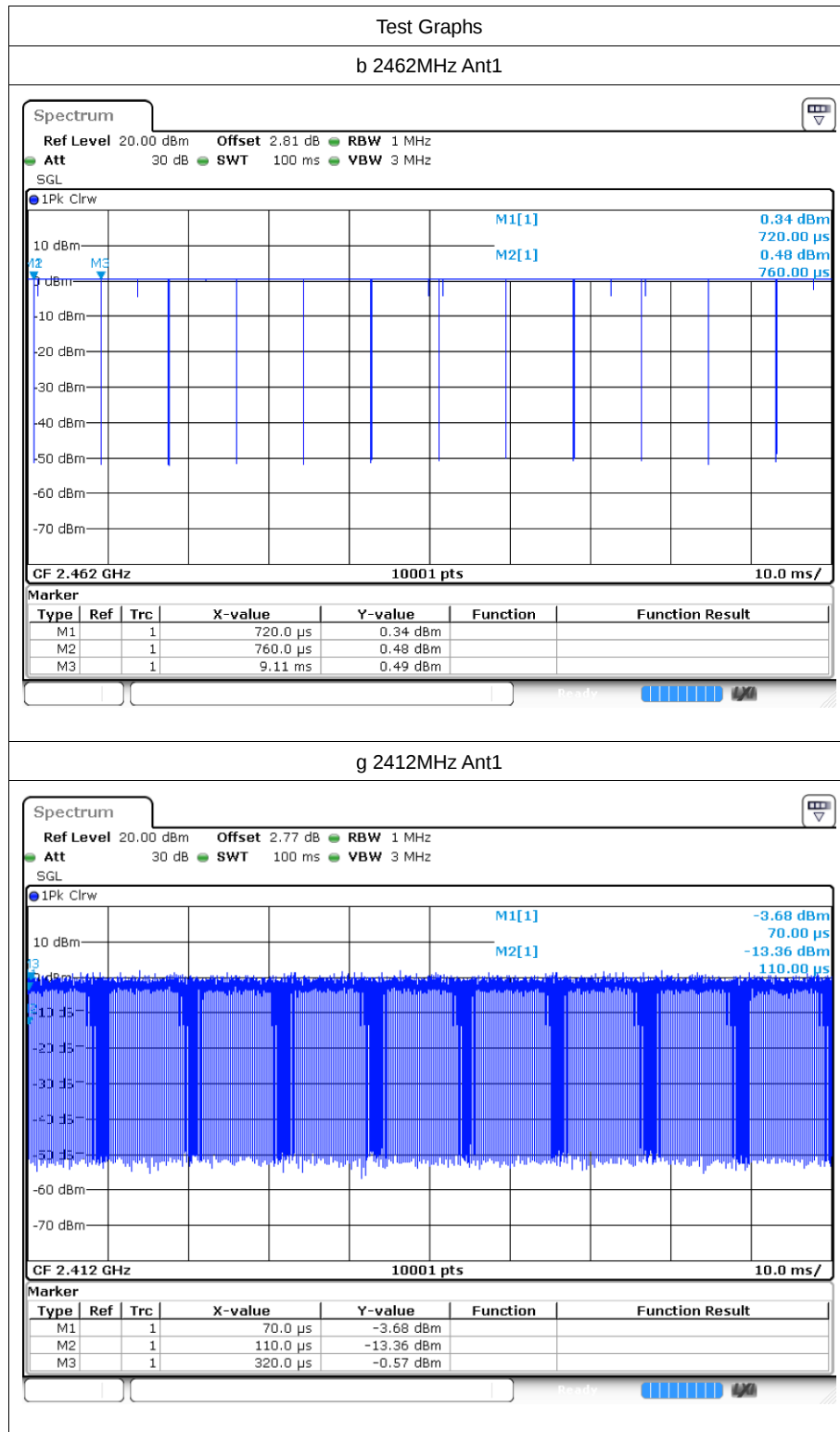
1 Duty Cycle

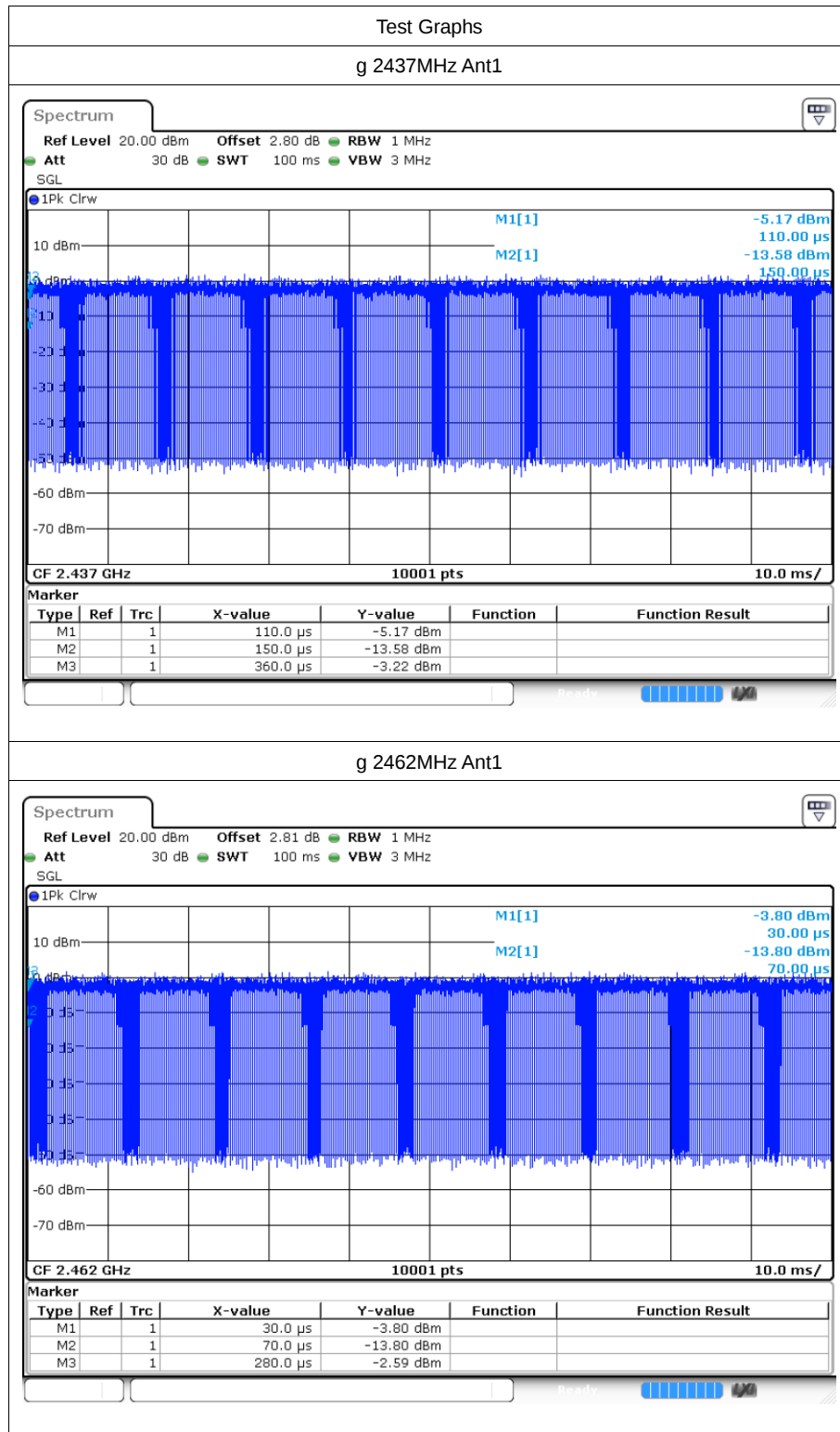
1.1 Test Result

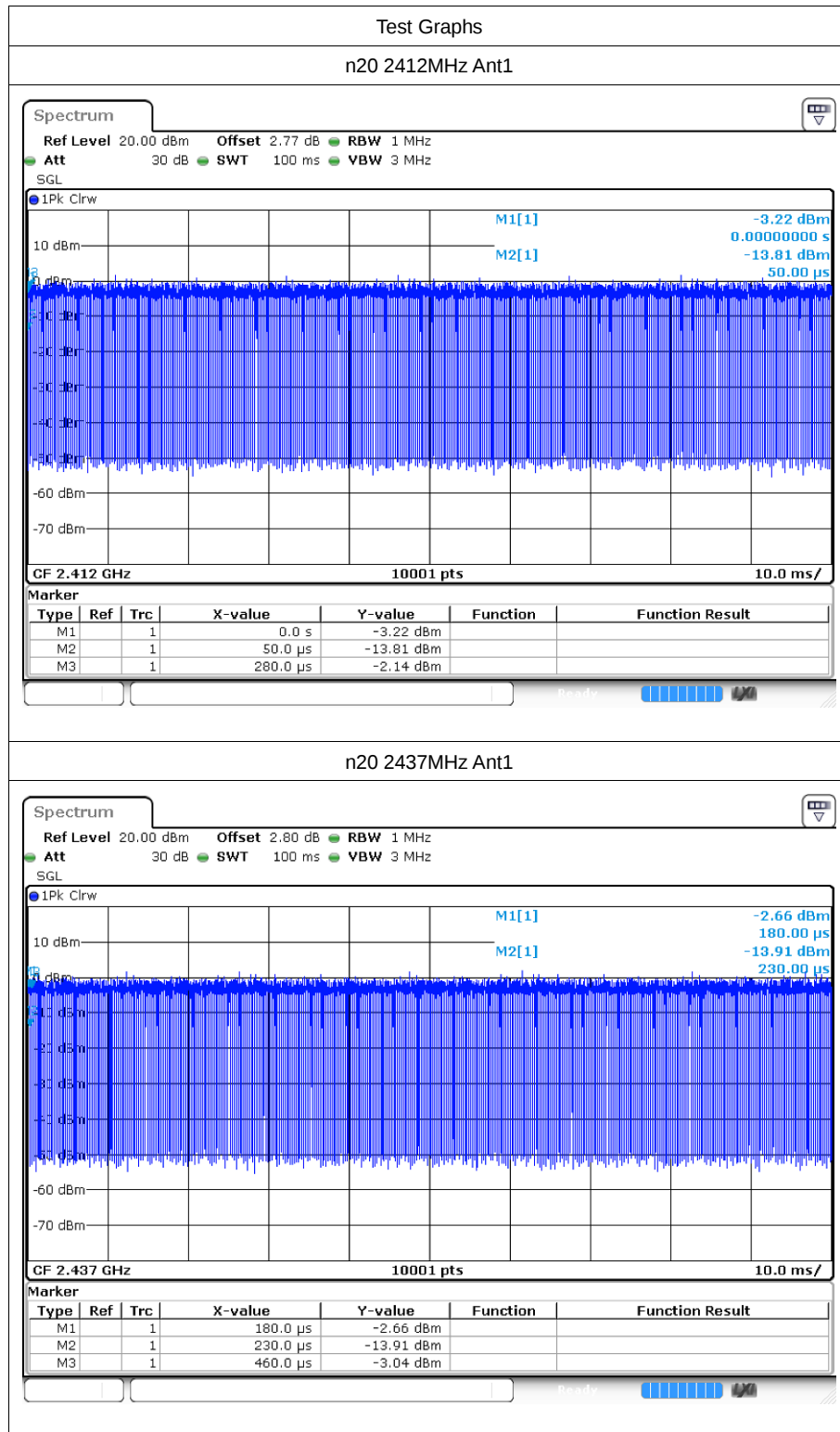
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	1/T (kHz)
b	2412	Ant1	99.59	0.12
b	2437	Ant1	99.63	0.12
b	2462	Ant1	99.59	0.12
g	2412	Ant1	86.96	4.76
g	2437	Ant1	86.83	4.76
g	2462	Ant1	86.9	4.76
n20	2412	Ant1	87.55	4.35
n20	2437	Ant1	87.53	4.35
n20	2462	Ant1	87.55	4.17

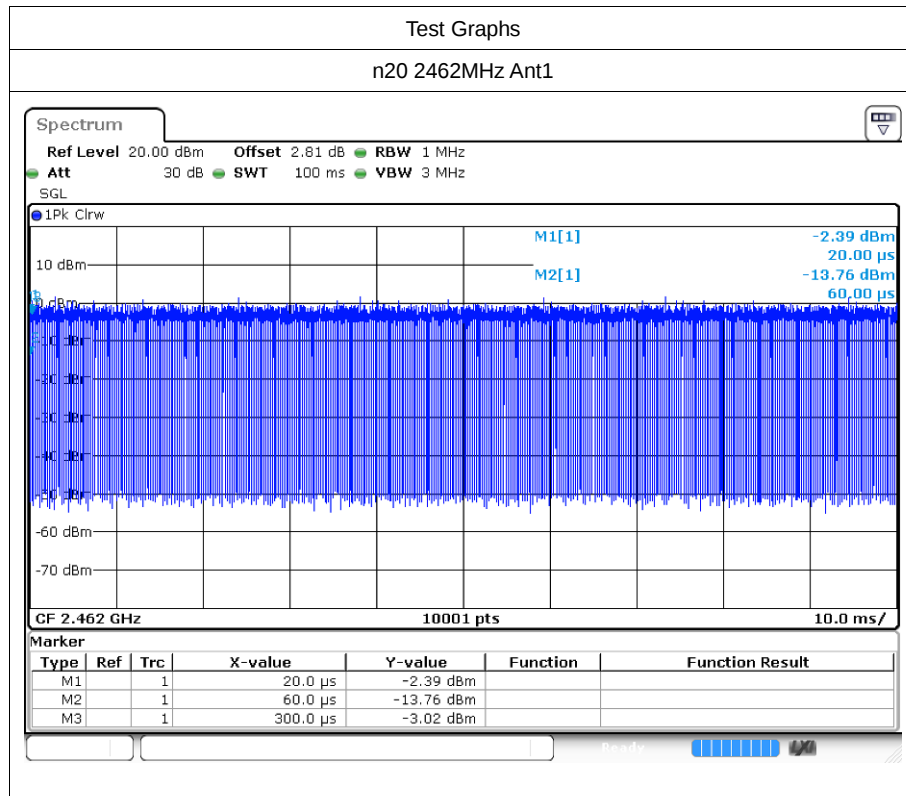
1.2 Test Graphs













2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	11.21	30	Pass
b	2437	Ant1	11.19	30	Pass
b	2462	Ant1	10.95	30	Pass
g	2412	Ant1	11.21	30	Pass
g	2437	Ant1	11.18	30	Pass
g	2462	Ant1	10.97	30	Pass
n20	2412	Ant1	10.7	30	Pass
n20	2437	Ant1	10.73	30	Pass
n20	2462	Ant1	10.43	30	Pass

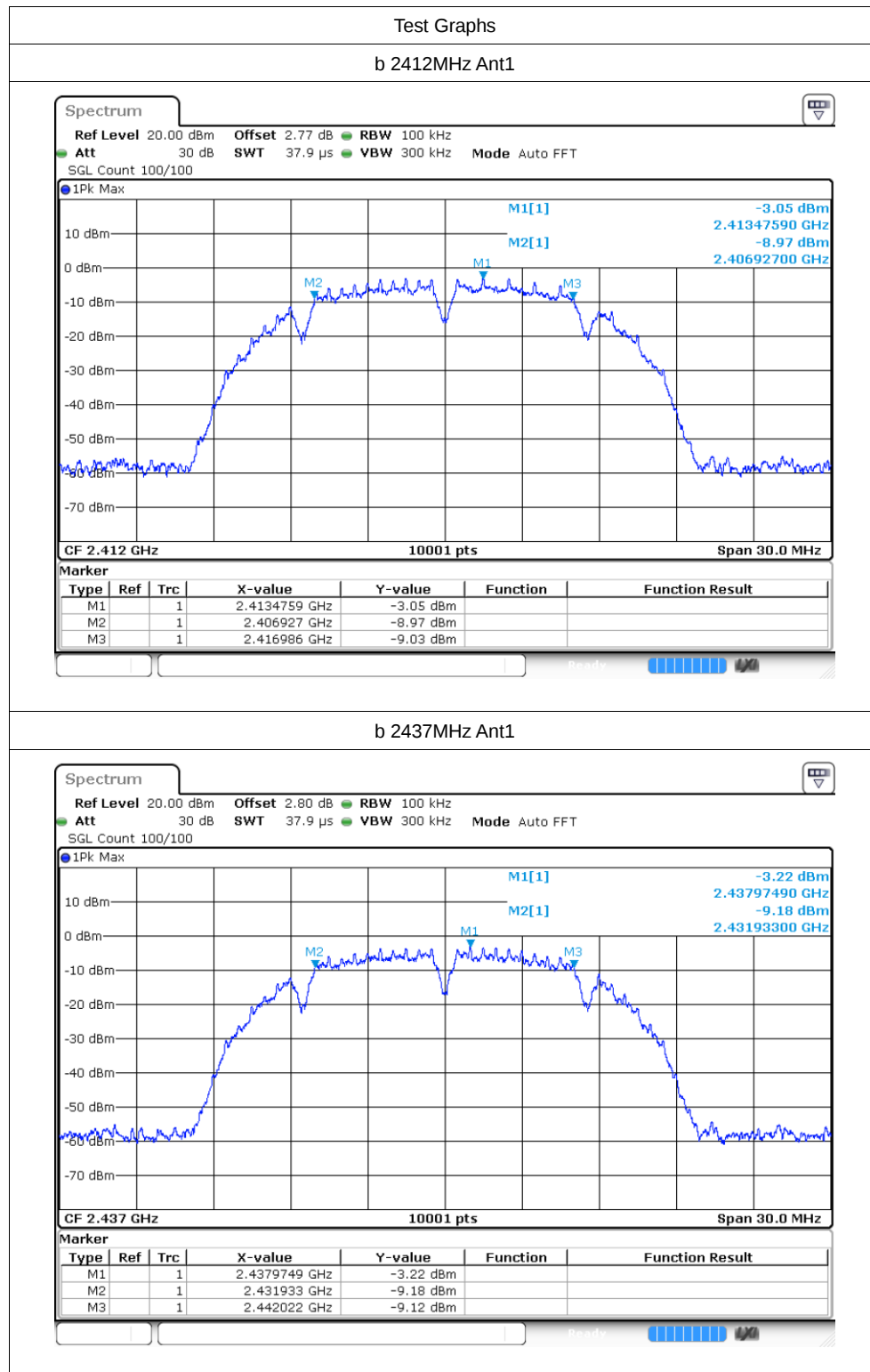


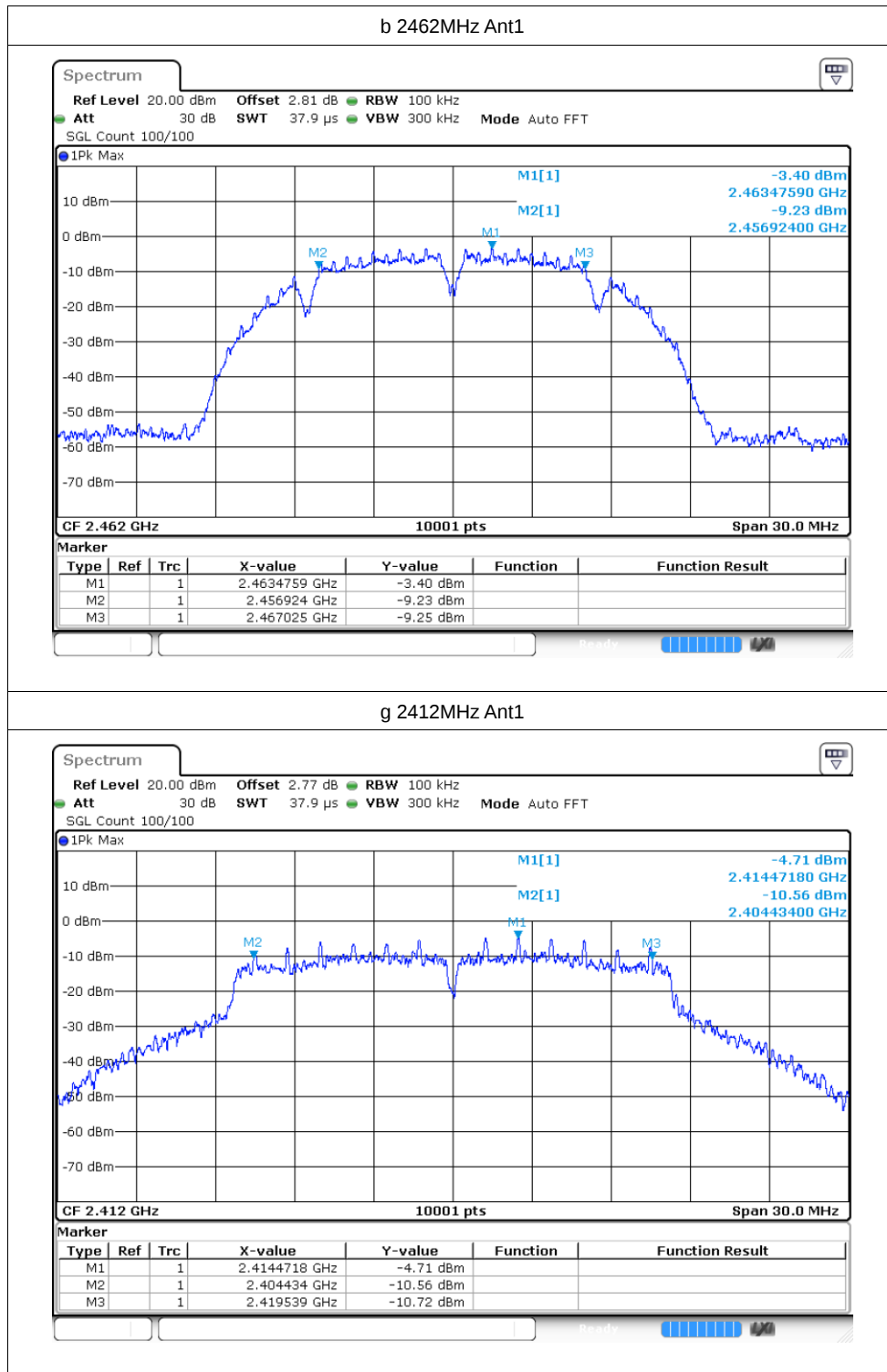
3 -6dB Bandwidth

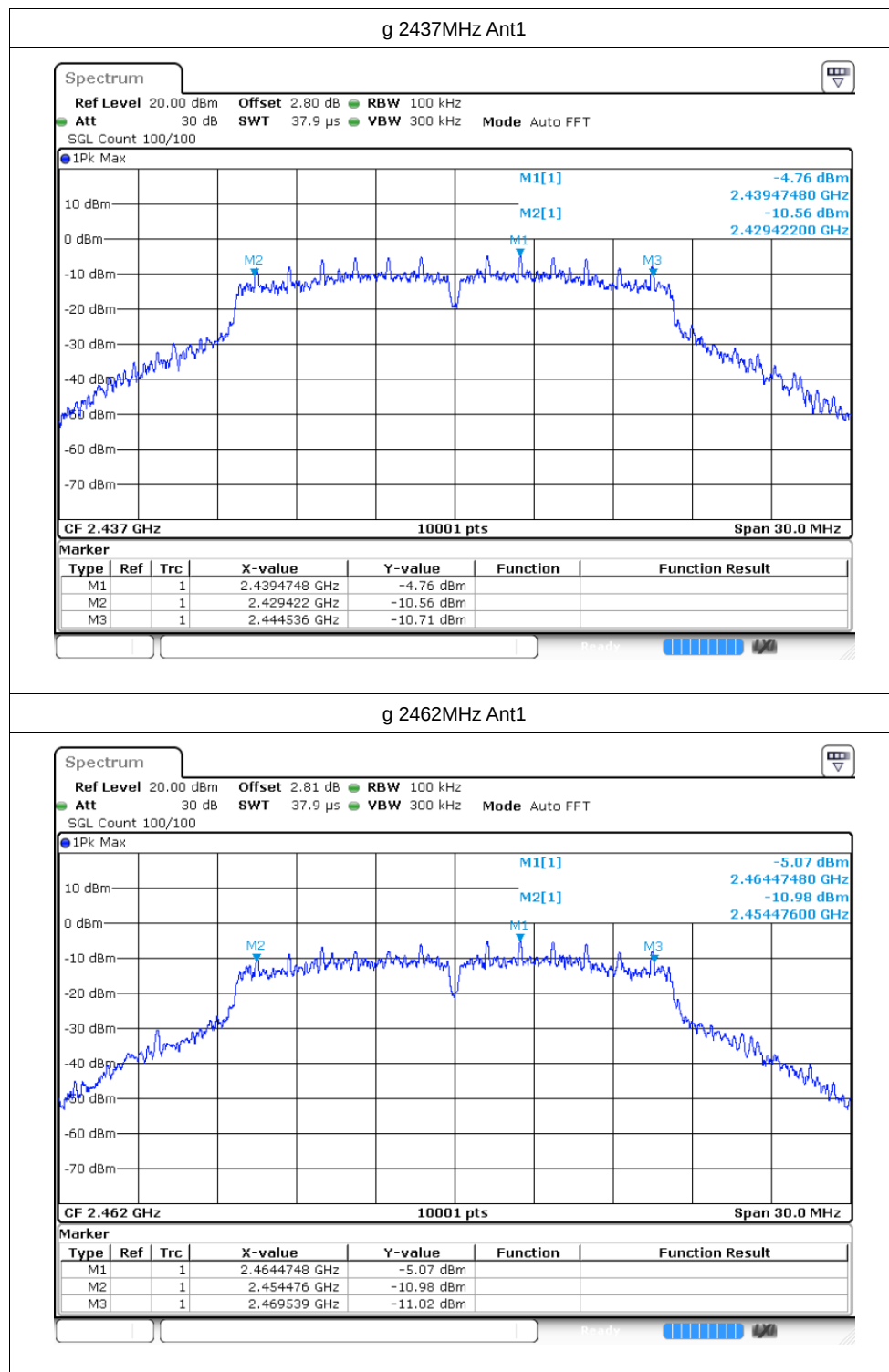
3.1 Test Result

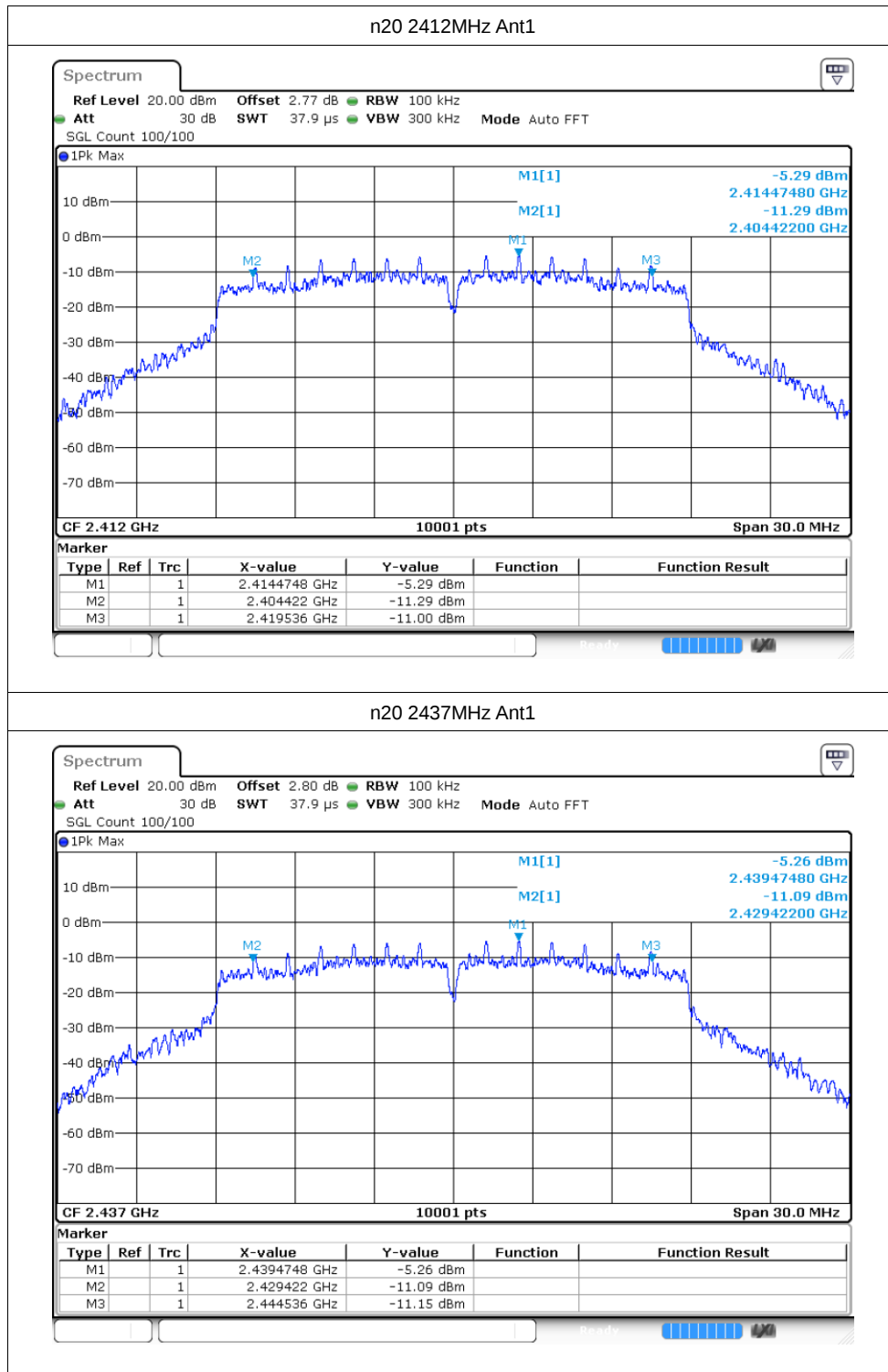
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.059	0.5	Pass
b	2437	Ant1	10.089	0.5	Pass
b	2462	Ant1	10.101	0.5	Pass
g	2412	Ant1	15.105	0.5	Pass
g	2437	Ant1	15.114	0.5	Pass
g	2462	Ant1	15.063	0.5	Pass
n20	2412	Ant1	15.114	0.5	Pass
n20	2437	Ant1	15.114	0.5	Pass
n20	2462	Ant1	15.105	0.5	Pass

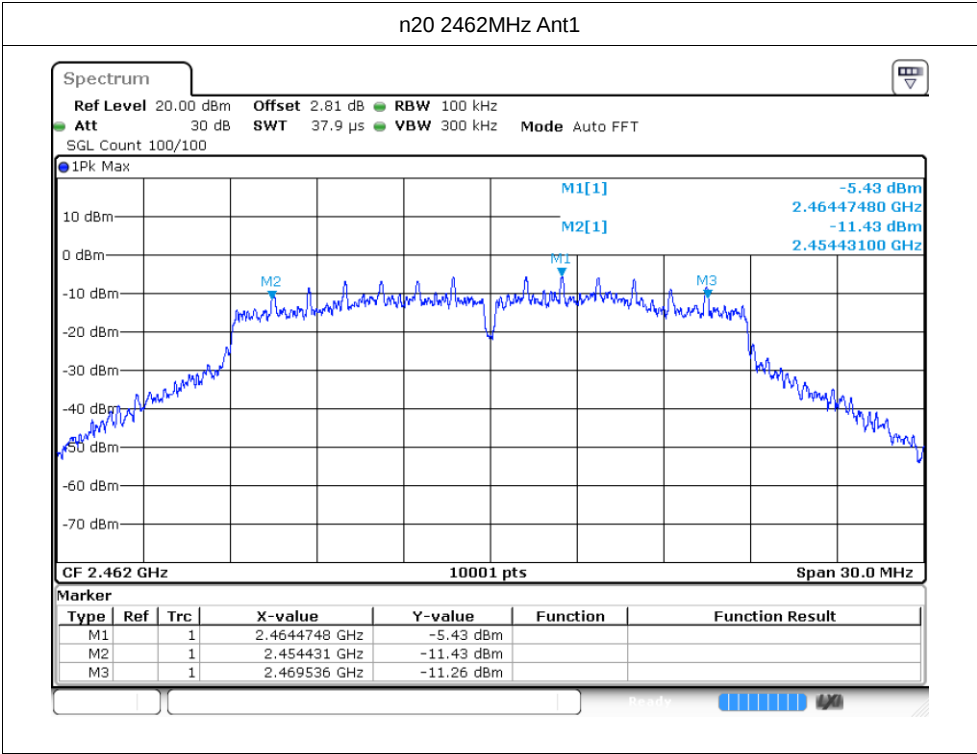
3.2 Test Graphs









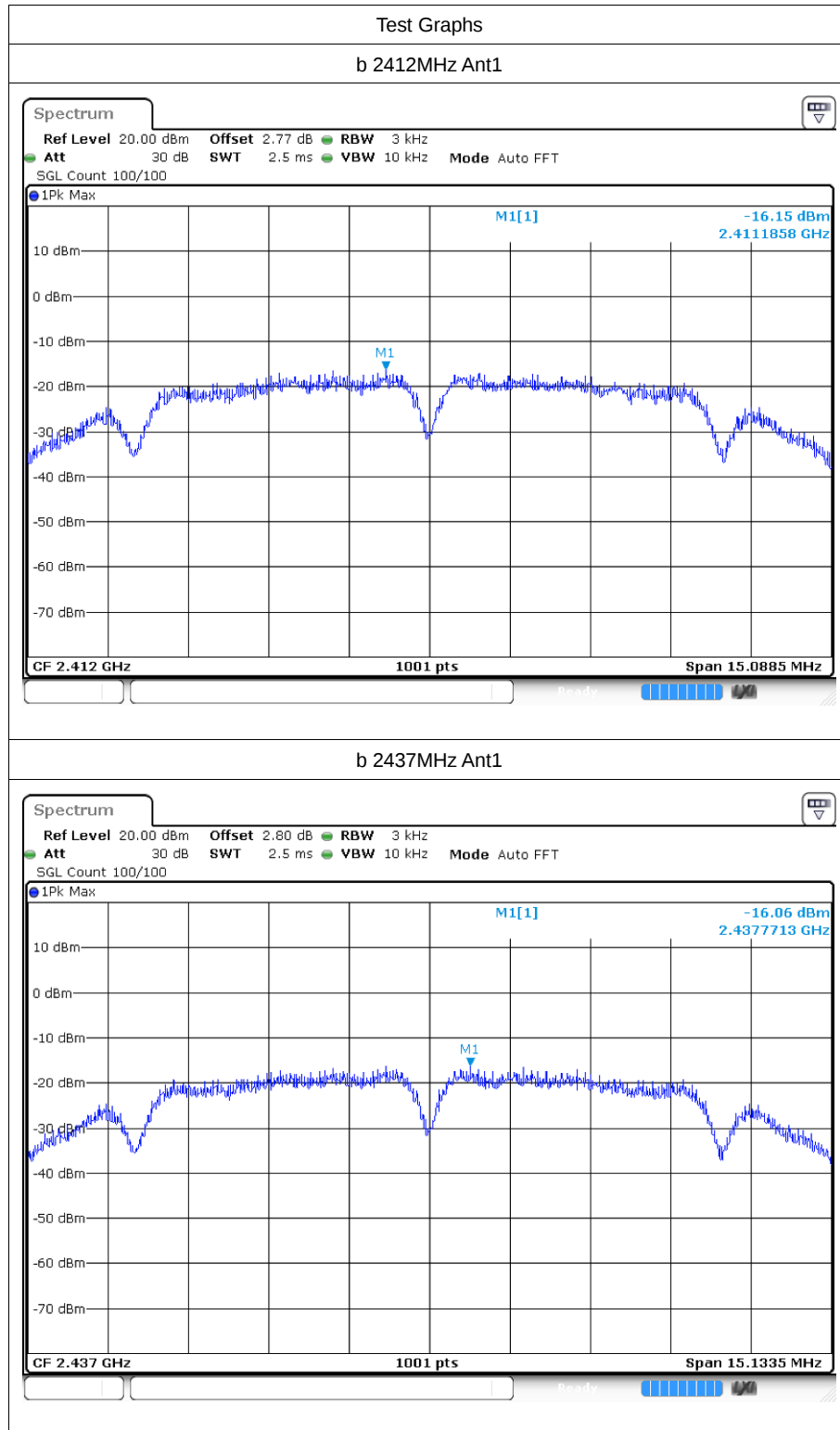


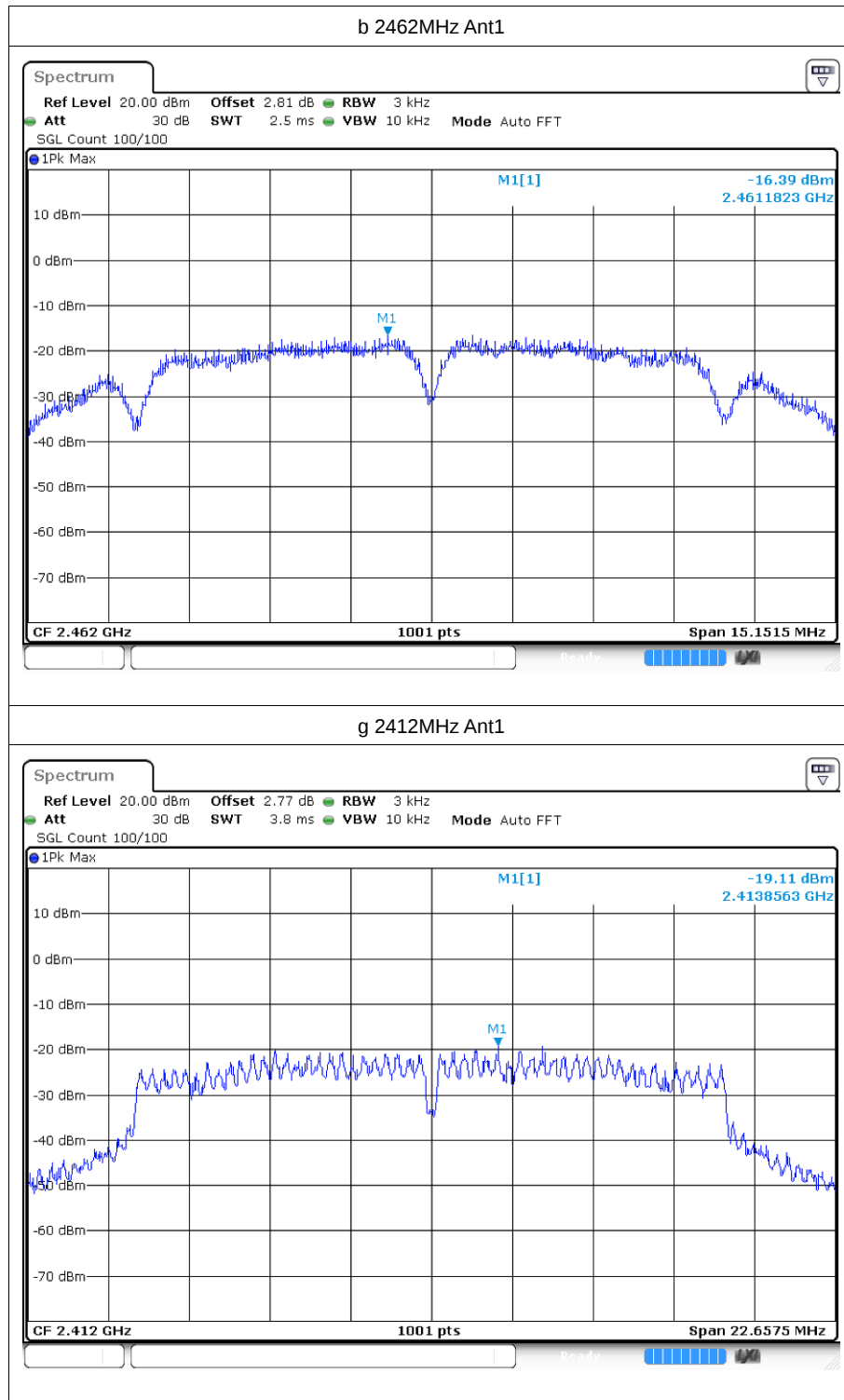
4 Maximum Power Spectral Density Level

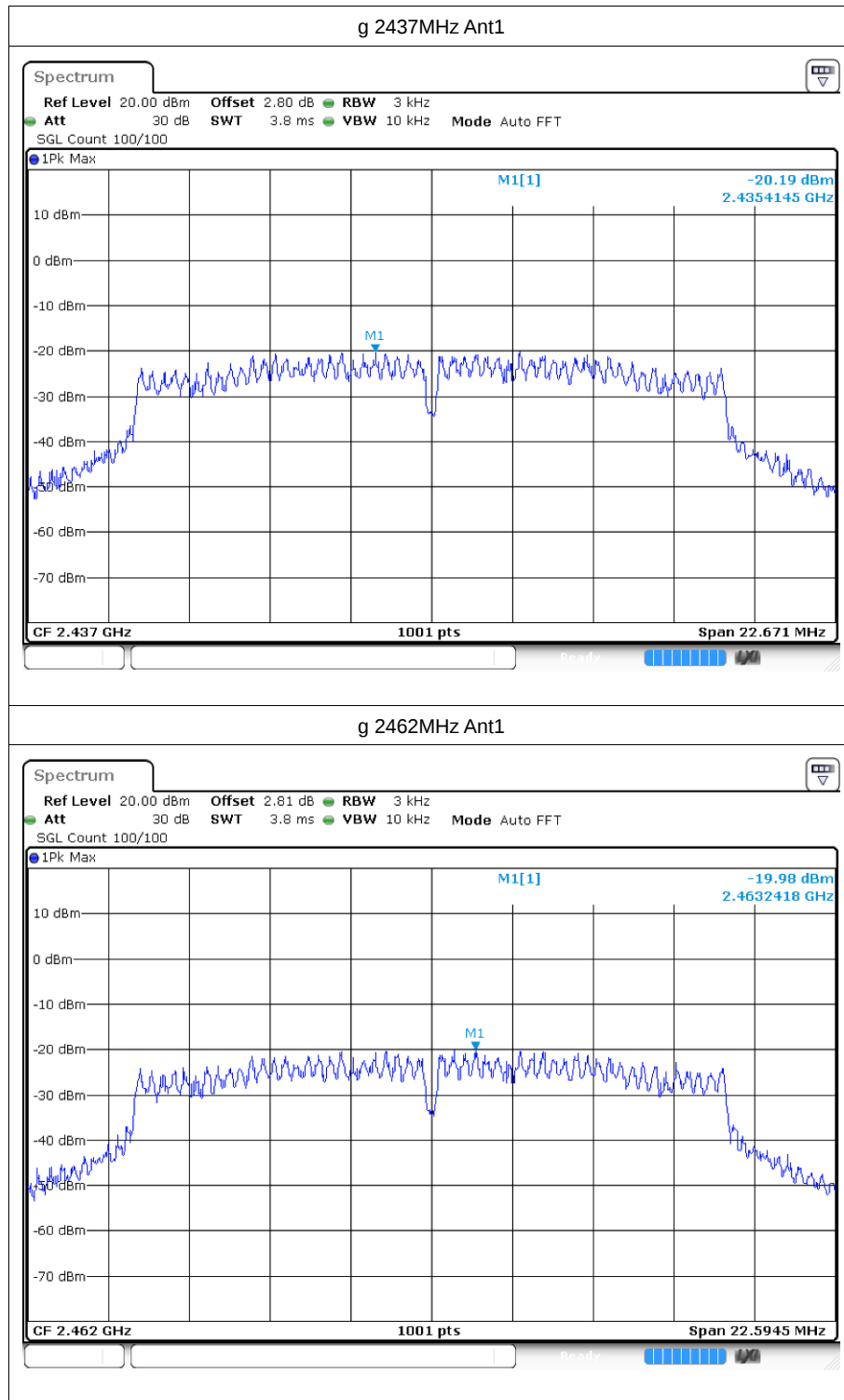
4.1 Test Result

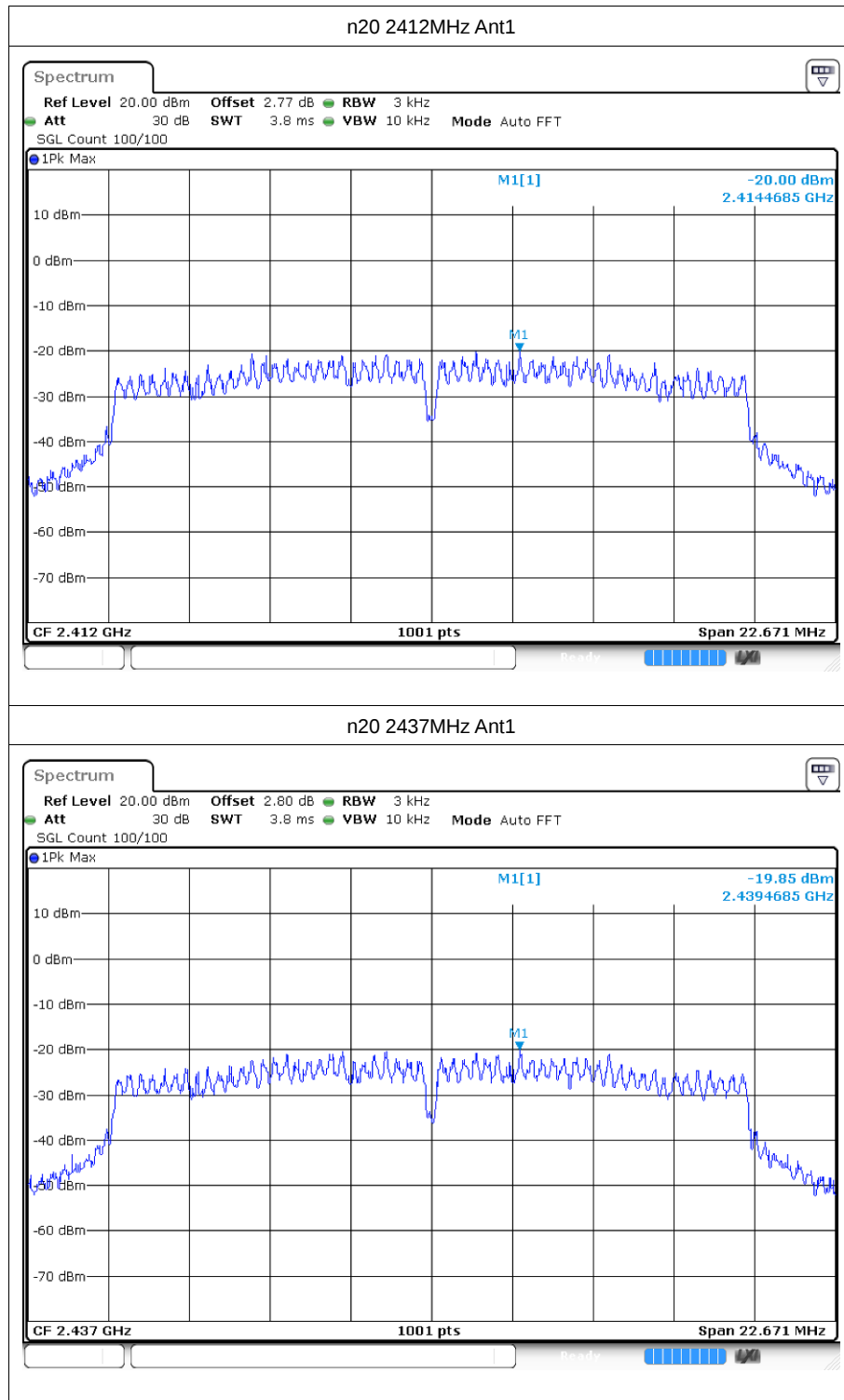
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-16.15	≤ 8	Pass
b	2437	Ant1	-16.06	≤ 8	Pass
b	2462	Ant1	-16.39	≤ 8	Pass
g	2412	Ant1	-19.11	≤ 8	Pass
g	2437	Ant1	-20.19	≤ 8	Pass
g	2462	Ant1	-19.98	≤ 8	Pass
n20	2412	Ant1	-20	≤ 8	Pass
n20	2437	Ant1	-19.85	≤ 8	Pass
n20	2462	Ant1	-20.11	≤ 8	Pass

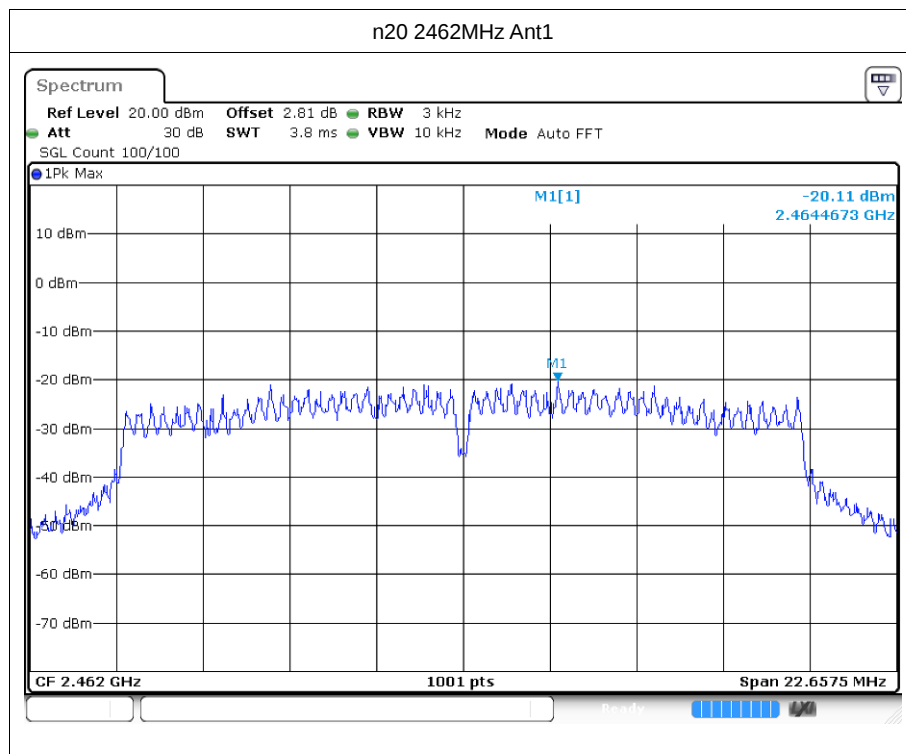
4.2 Test Graphs











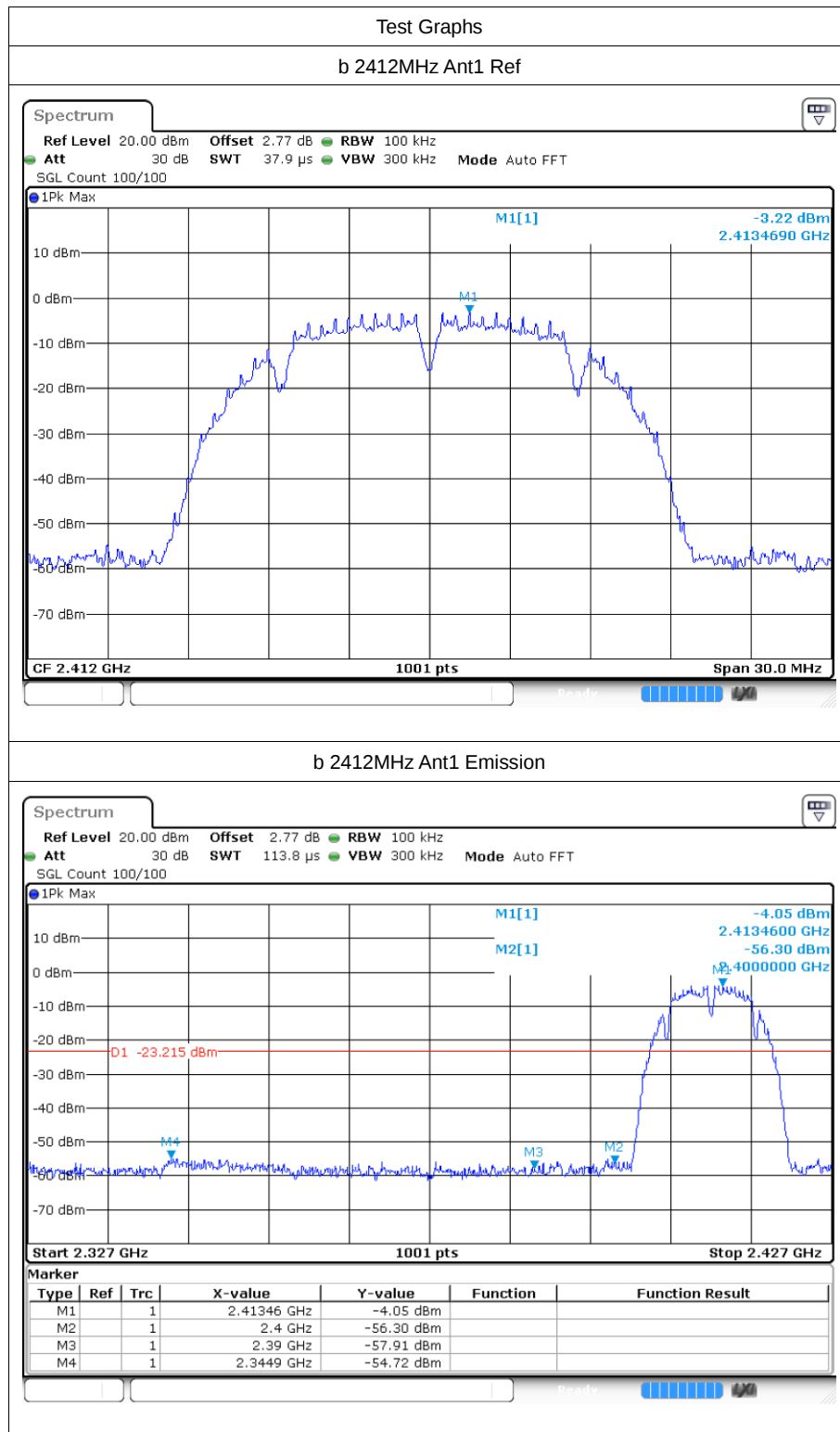


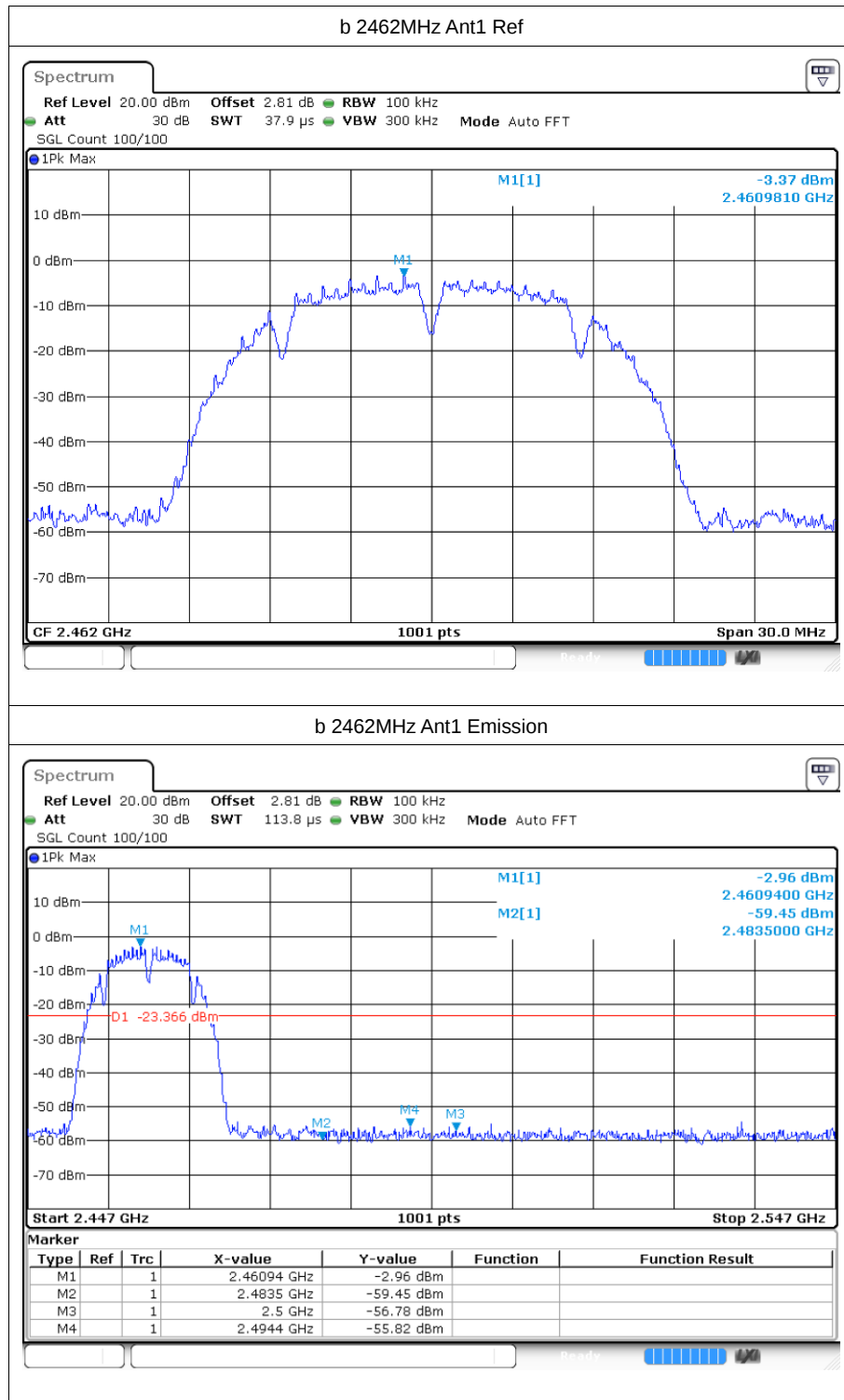
5 Band Edge

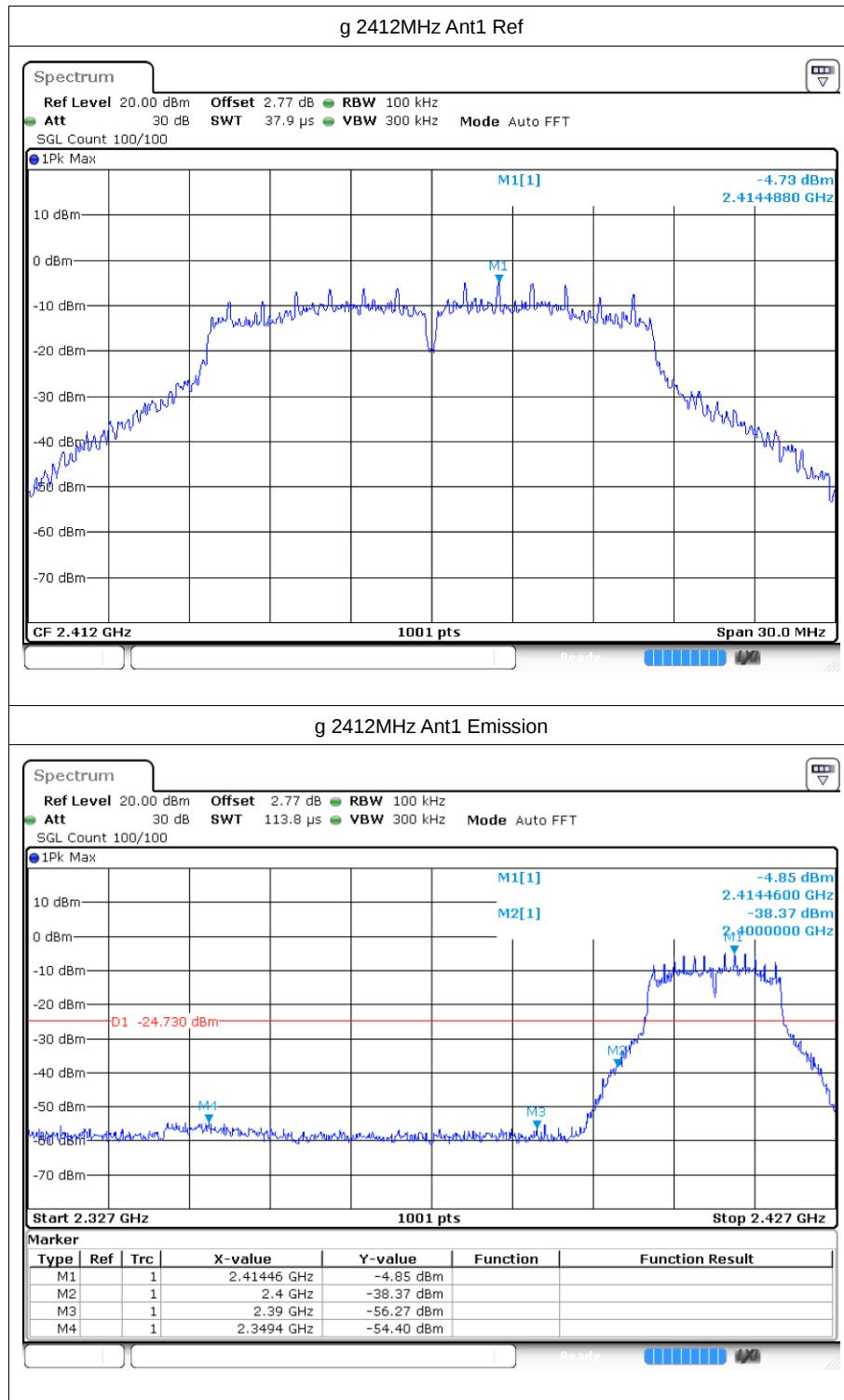
5.1 Test Result

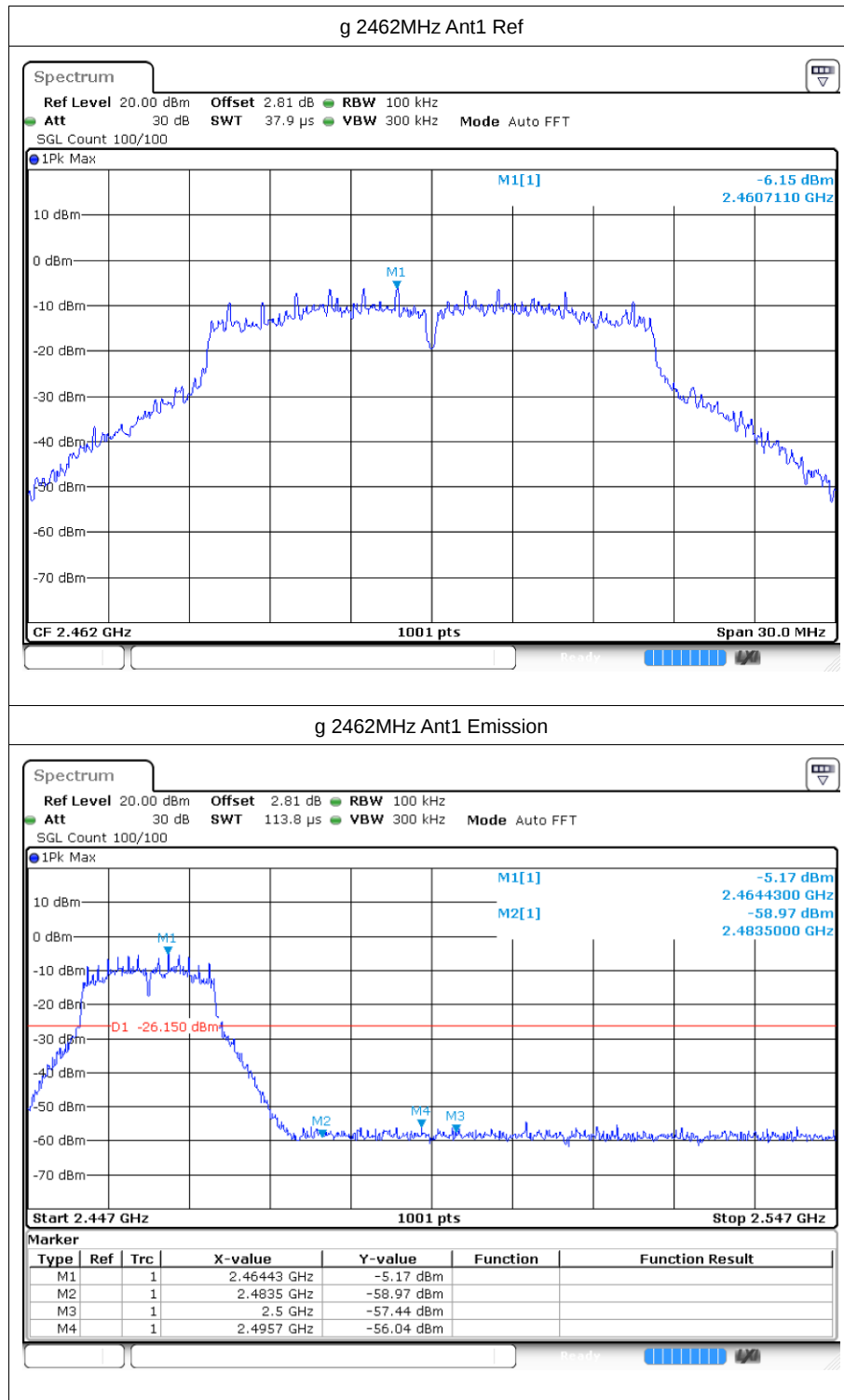
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-51.49	-20	-51.49
b	2462	Ant1	-52.44	-20	Pass
g	2412	Ant1	-49.66	-20	Pass
g	2462	Ant1	-49.89	-20	Pass
n20	2412	Ant1	-48.88	-20	Pass
n20	2462	Ant1	-50.11	-20	Pass

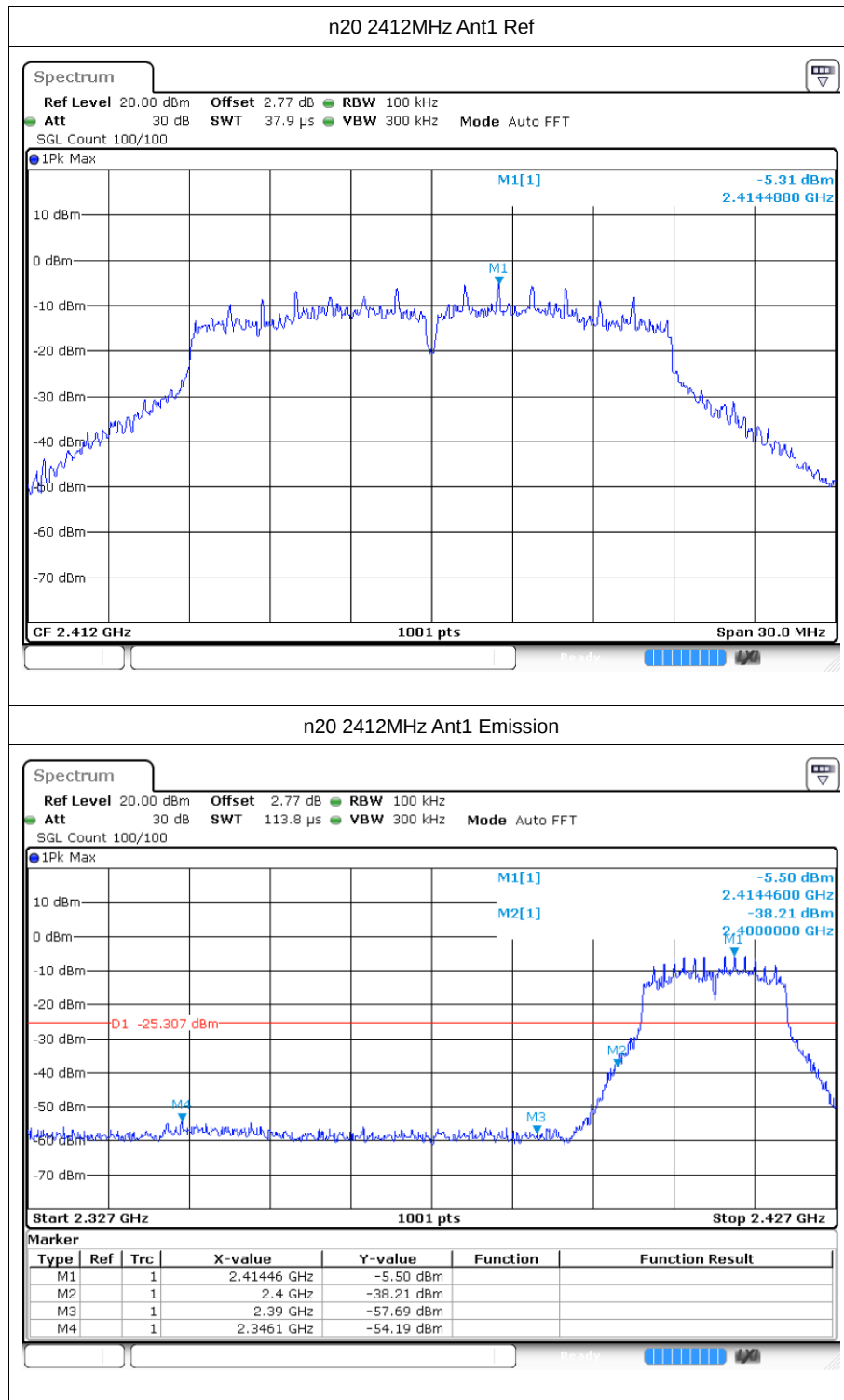
5.2 Test Graphs

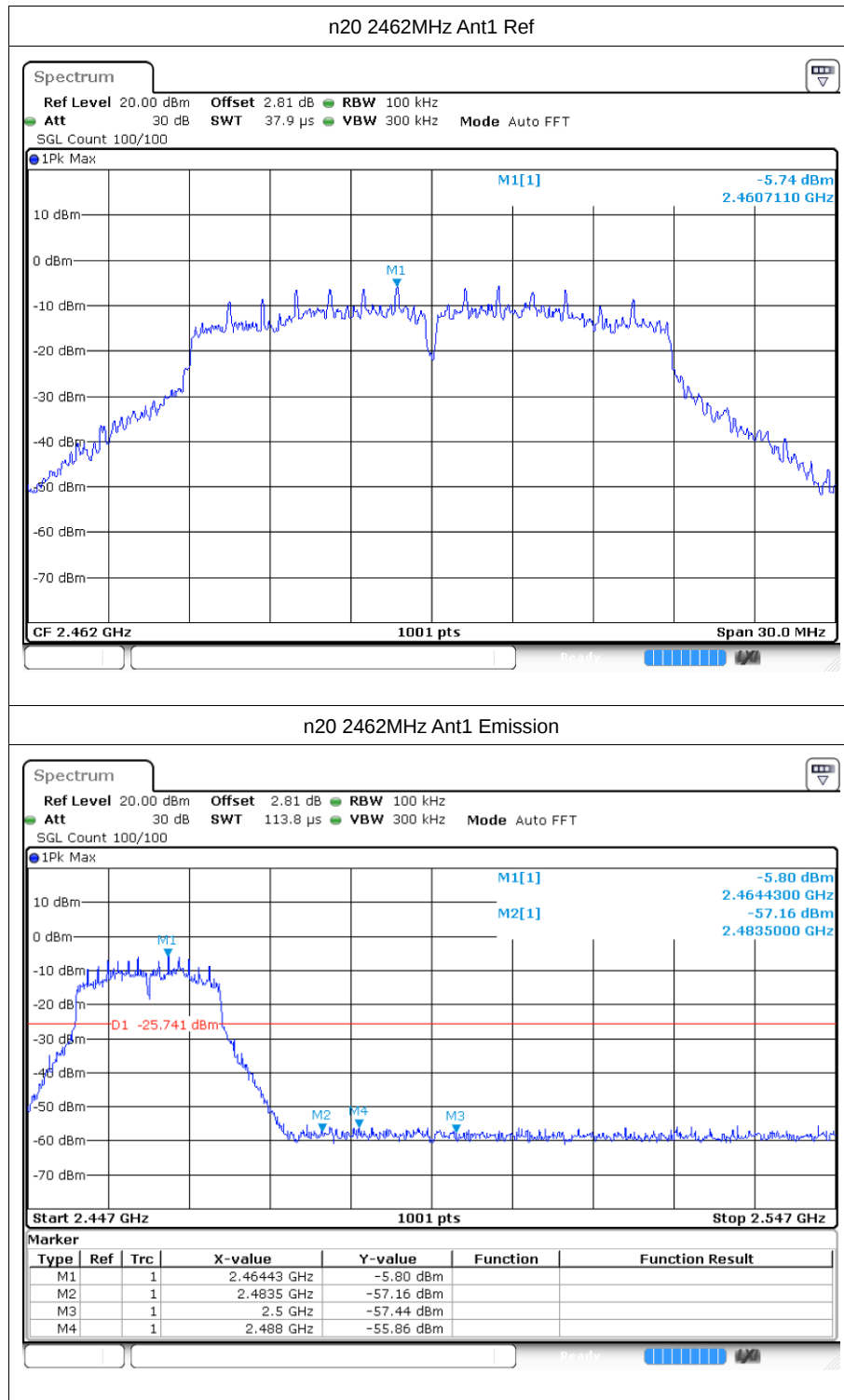












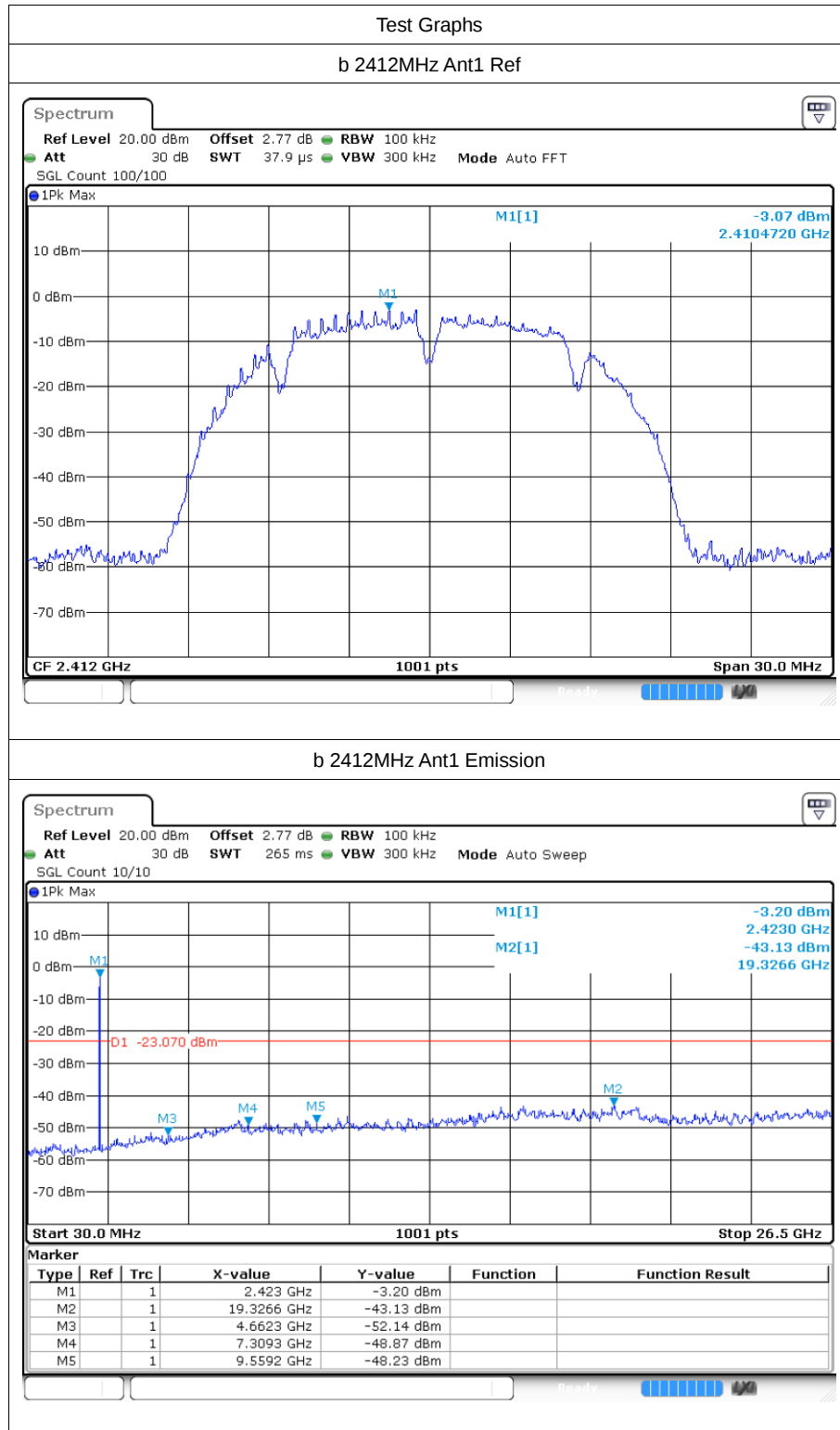


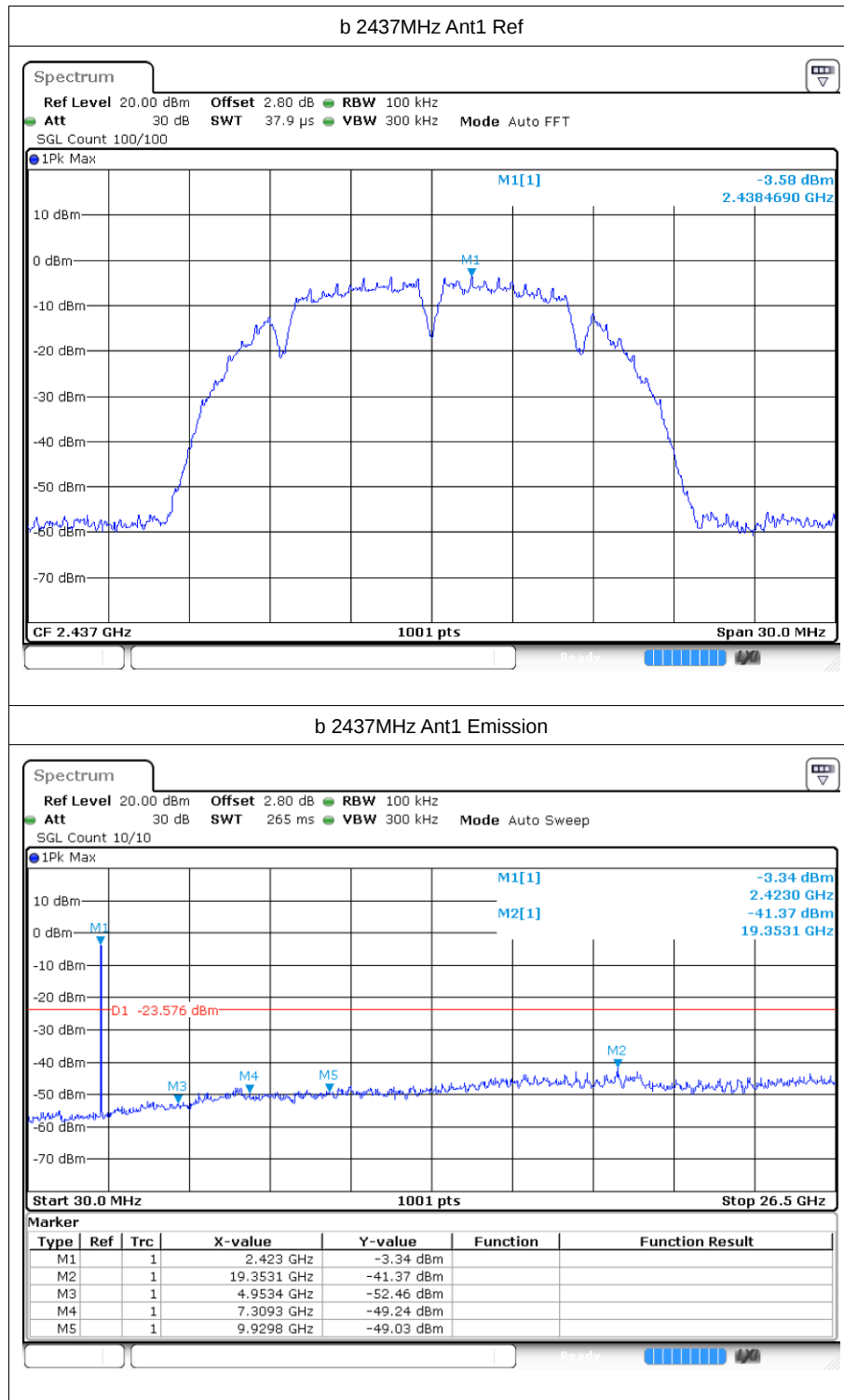
6 Conducted RF Spurious Emission

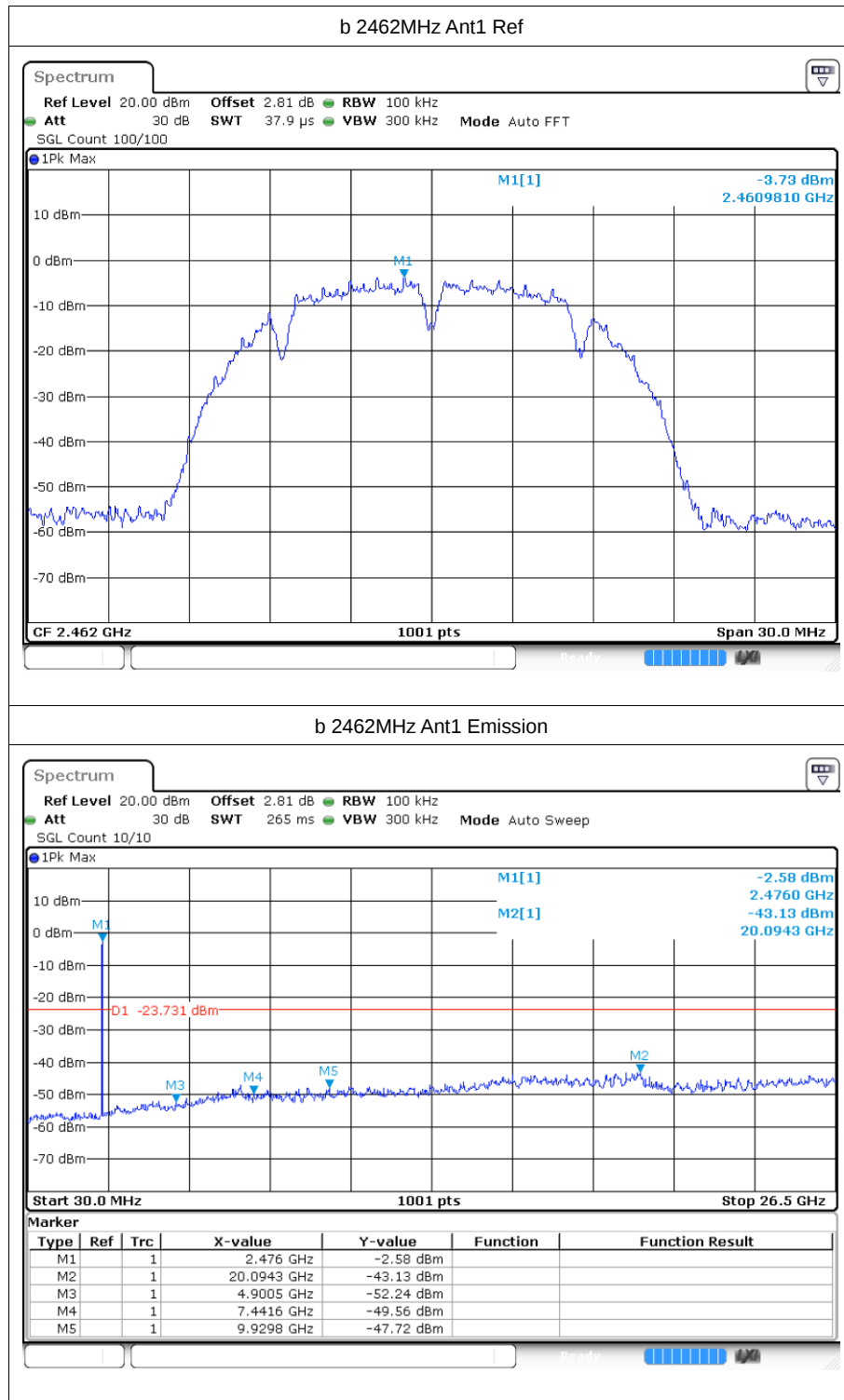
6.1 Test Result

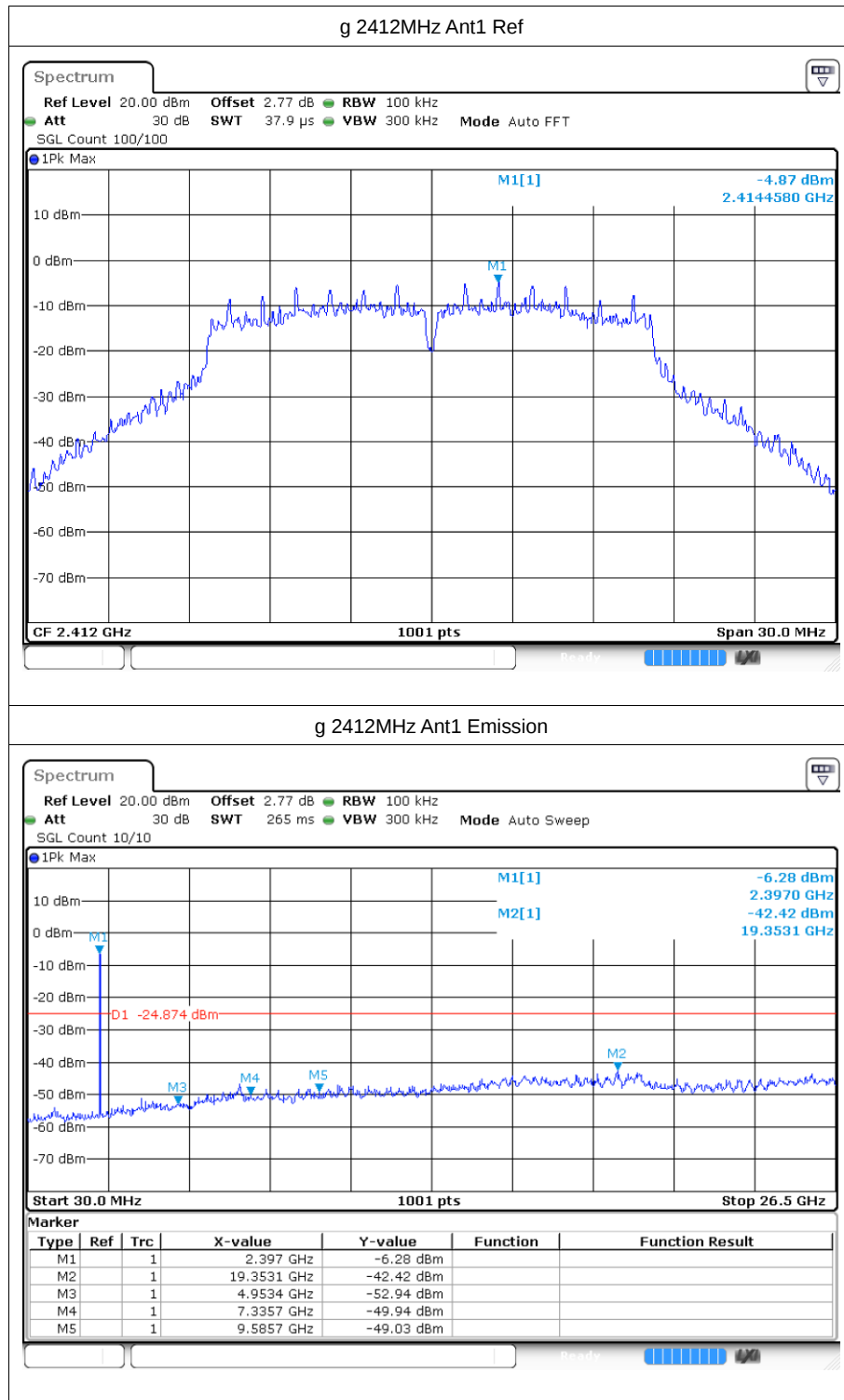
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-40.05	-20	Pass
b	2437	Ant1	-37.78	-20	Pass
b	2462	Ant1	-39.4	-20	Pass
g	2412	Ant1	-37.54	-20	Pass
g	2437	Ant1	-38.4	-20	Pass
g	2462	Ant1	-37.76	-20	Pass
n20	2412	Ant1	-35.59	-20	Pass
n20	2437	Ant1	-37.63	-20	Pass
n20	2462	Ant1	-36.73	-20	Pass

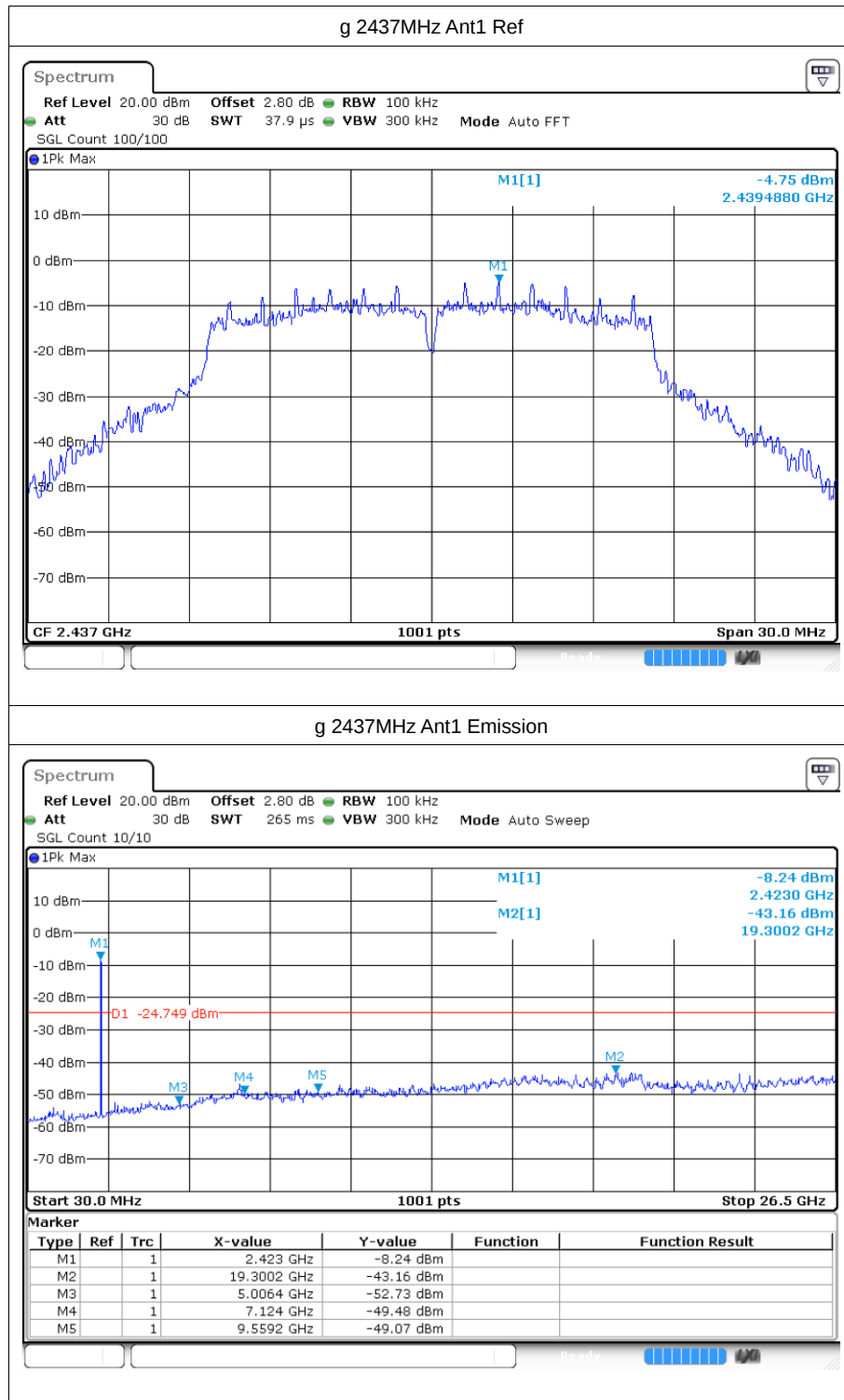
6.2 Test Graphs

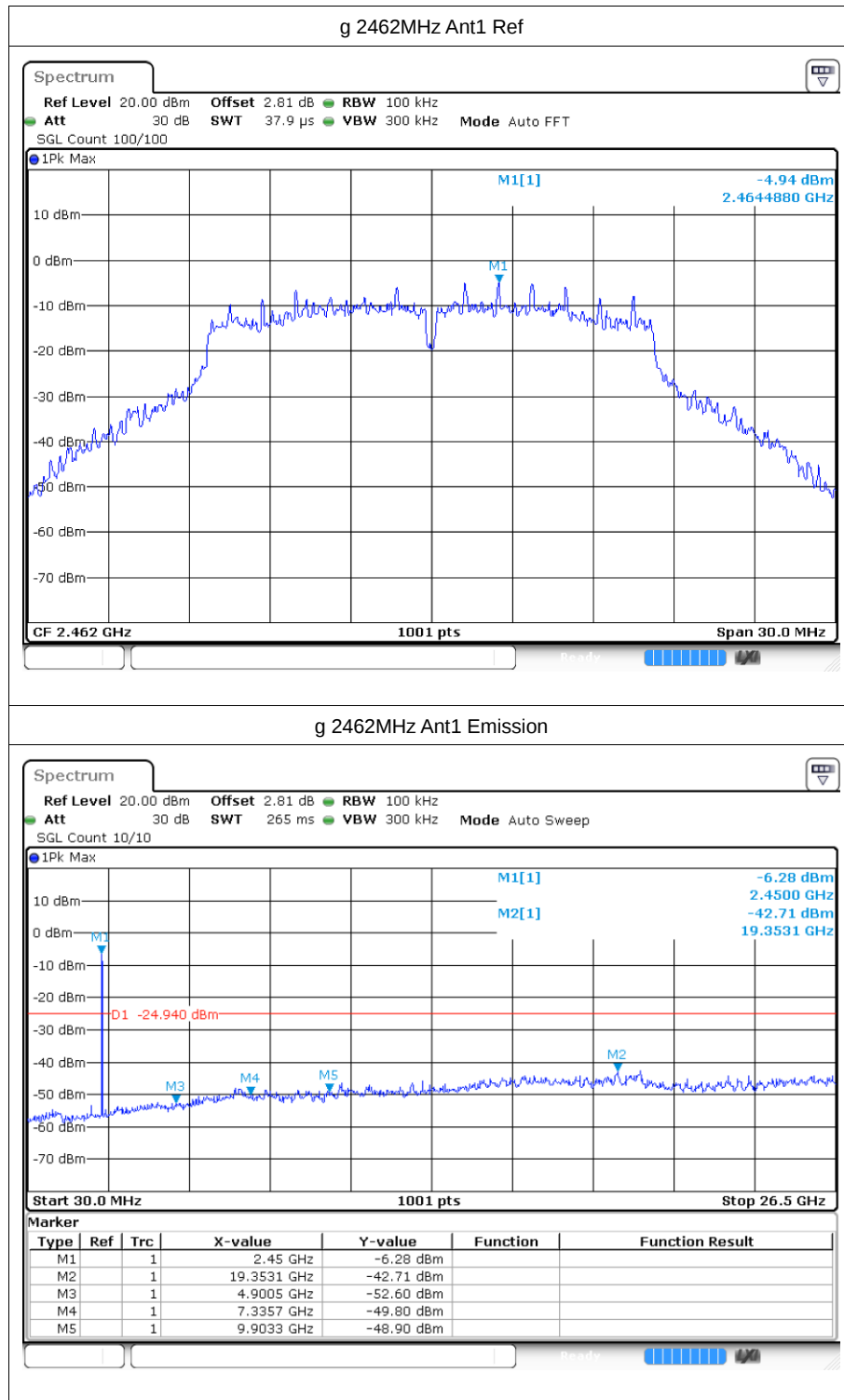


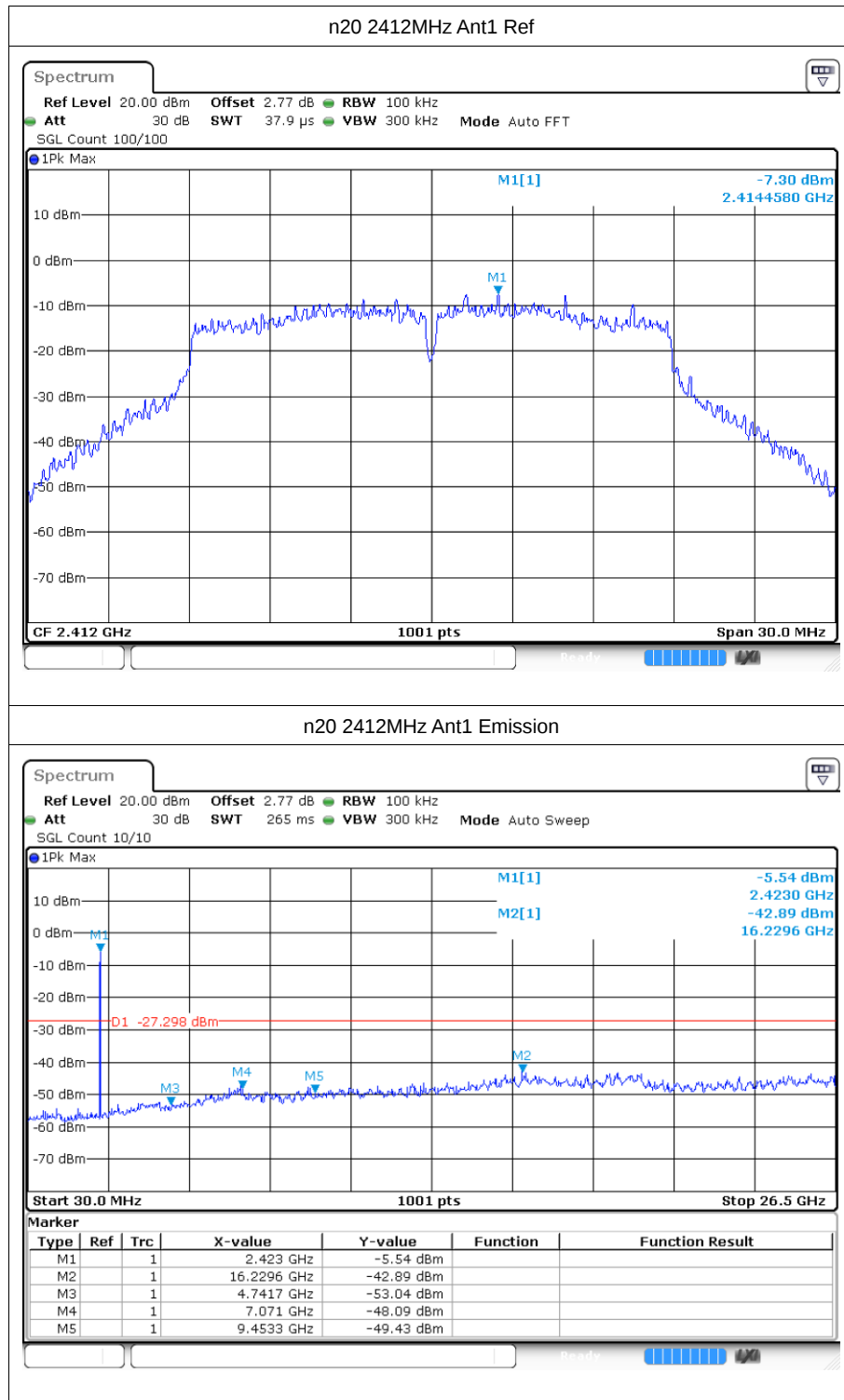


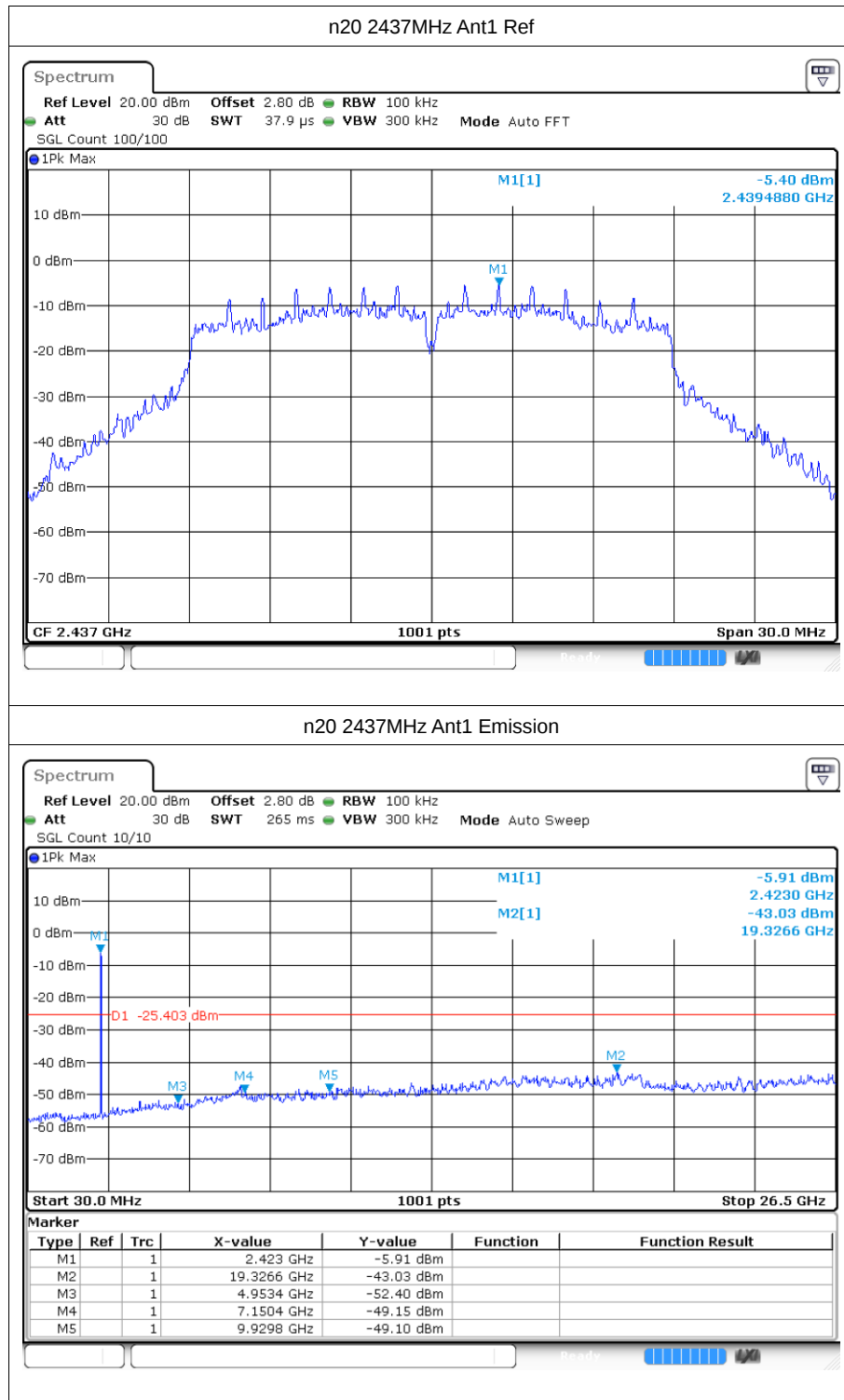


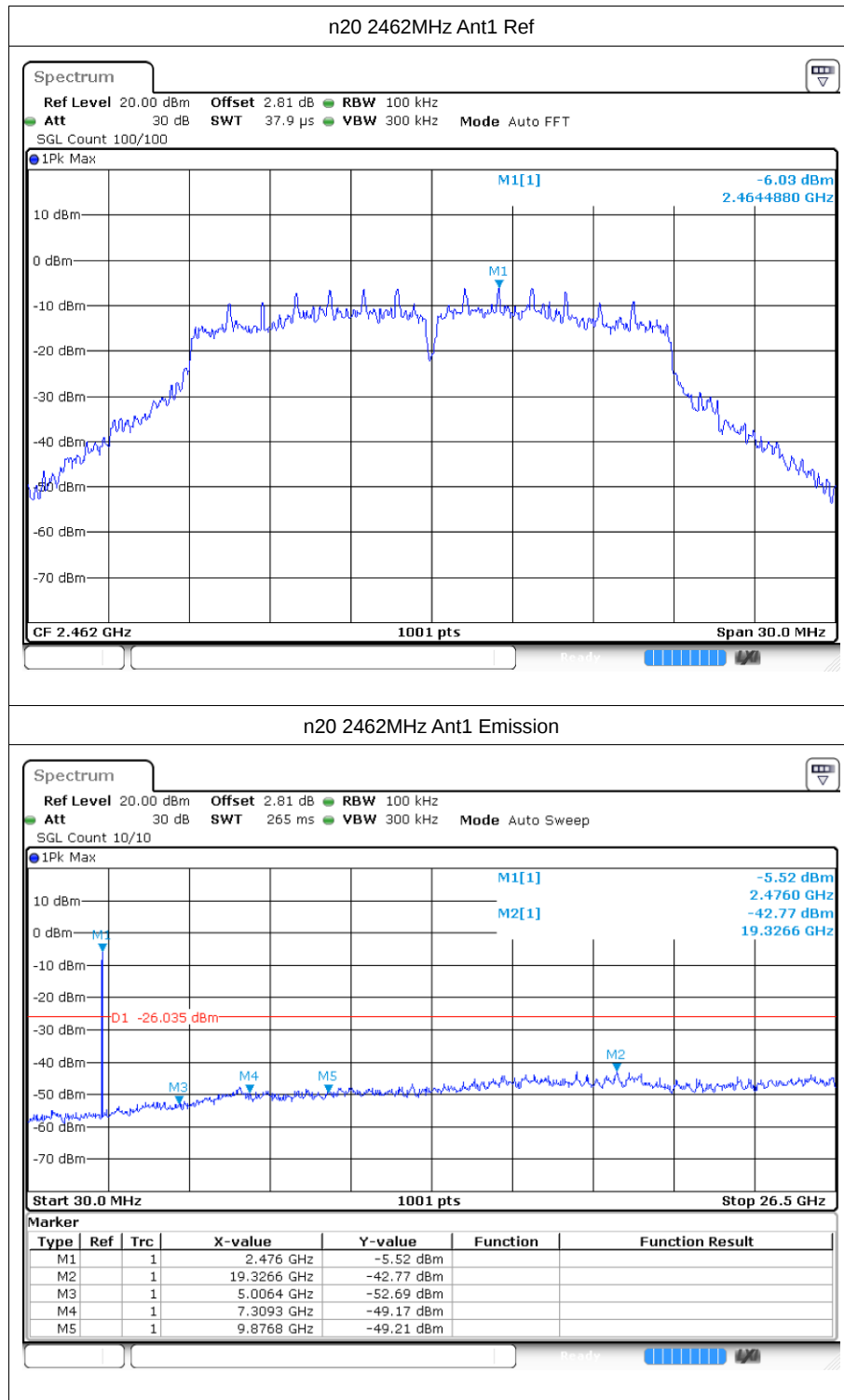














7 Restrict Band

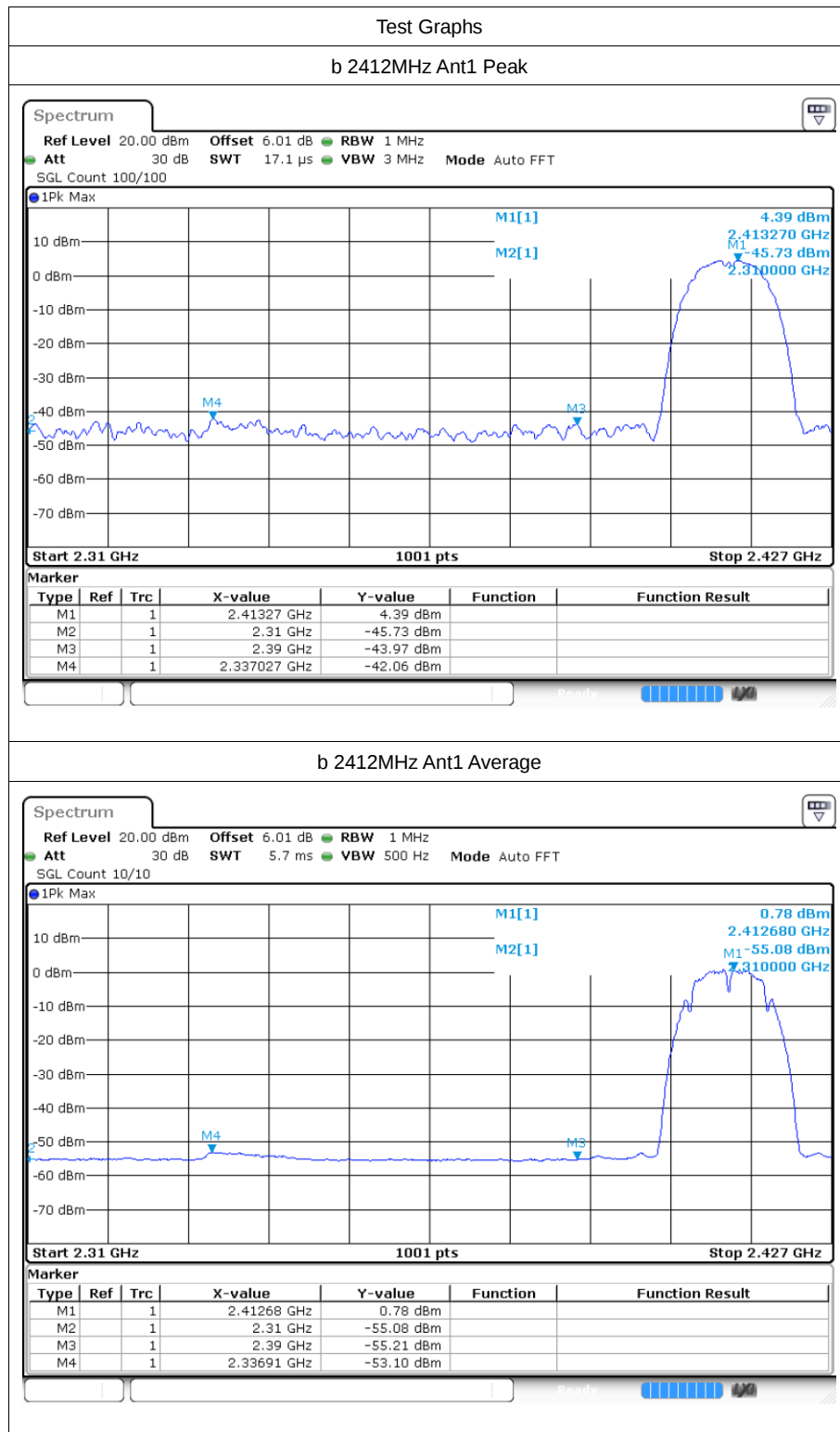
7.1 Test Result

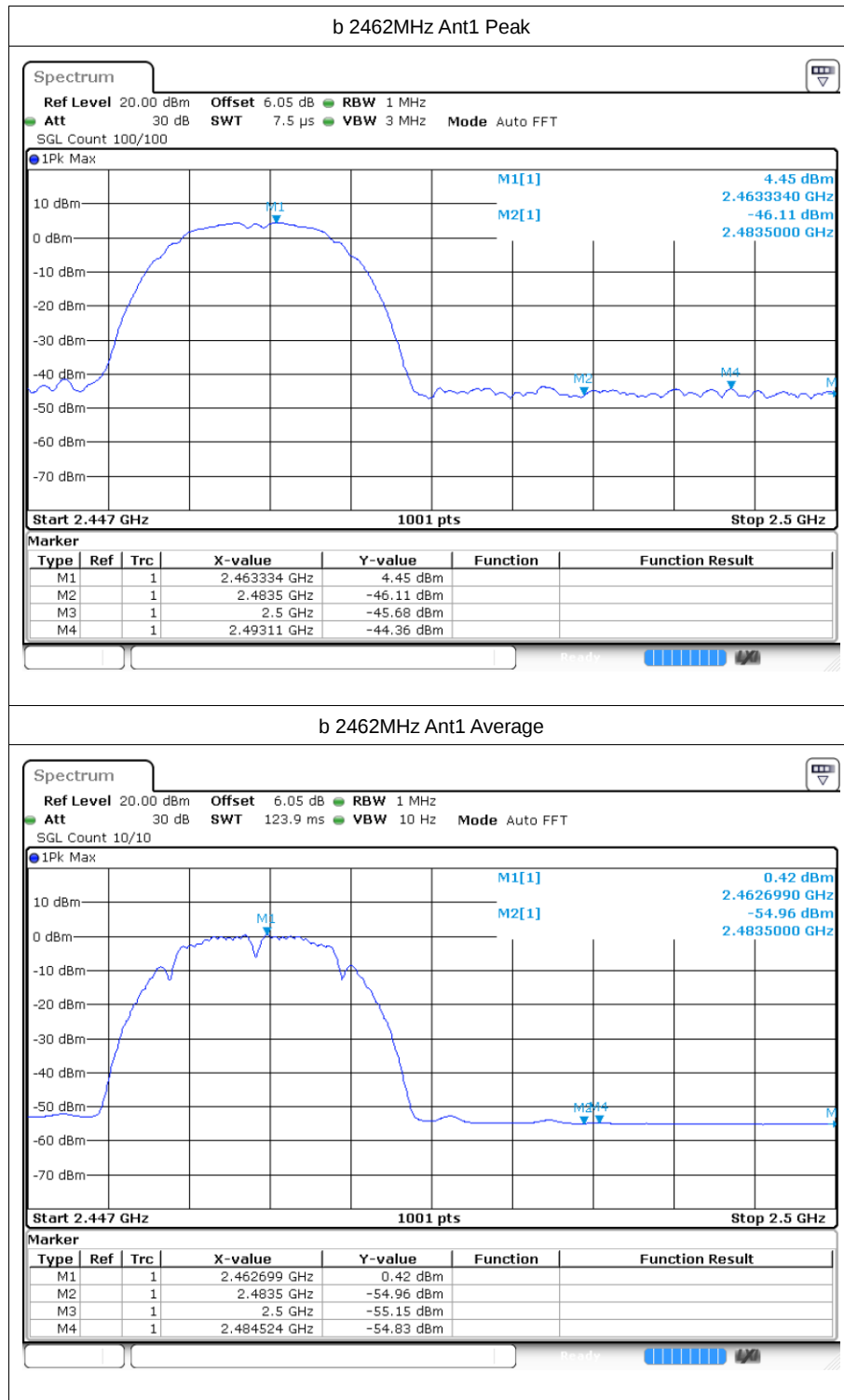
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-45.73	3.24	52.77	Peak	74	Pass
b	2412	Ant1	2310	-55.07	3.24	43.43	Average	54	Pass
b	2412	Ant1	2337.027	-42.06	3.24	56.44	Peak	74	Pass
b	2412	Ant1	2336.91	-53.1	3.24	45.4	Average	54	Pass
b	2412	Ant1	2390	-43.96	3.24	54.54	Peak	74	Pass
b	2412	Ant1	2390	-55.21	3.24	43.29	Average	54	Pass
b	2462	Ant1	2483.5	-46.11	3.24	52.39	Peak	74	52.39
b	2462	Ant1	2483.5	-54.95	3.24	43.55	Average	54	Pass
b	2462	Ant1	2493.11	-44.35	3.24	54.15	Peak	74	Pass
b	2462	Ant1	2484.524	-54.82	3.24	43.68	Average	54	Pass
b	2462	Ant1	2500	-45.67	3.24	52.83	Peak	74	Pass
b	2462	Ant1	2500	-55.14	3.24	43.36	Average	54	Pass
g	2412	Ant1	2310	-46.92	3.24	51.58	Peak	74	Pass
g	2412	Ant1	2310	-53.5	3.24	45	Average	54	Pass
g	2412	Ant1	2337.612	-42.29	3.24	56.21	Peak	74	Pass
g	2412	Ant1	2337.729	-51.52	3.24	46.98	Average	54	Pass
g	2412	Ant1	2390	-45.23	3.24	54.54	Peak	74	Pass
g	2412	Ant1	2390	-53.69	3.24	44.81	Average	54	Pass
g	2462	Ant1	2483.5	-45.19	3.24	53.31	Peak	74	Pass
g	2462	Ant1	2483.5	-53.48	3.24	45.02	Average	54	Pass
g	2462	Ant1	2493.11	-43.64	3.24	54.86	Peak	74	Pass
g	2462	Ant1	2485.054	-52.53	3.24	45.97	Average	54	Pass
g	2462	Ant1	2500	-43.64	3.24	52.83	Peak	74	Pass
g	2462	Ant1	2500	-53.73	3.24	44.77	Average	54	Pass
n20	2412	Ant1	2310	-46.16	3.24	52.34	Peak	74	Pass
n20	2412	Ant1	2310	-53.9	3.24	44.6	Average	54	Pass
n20	2412	Ant1	2342.058	-42.54	3.24	55.96	Peak	74	Pass
n20	2412	Ant1	2338.782	-51.44	3.24	47.06	Average	54	Pass
n20	2412	Ant1	2390	-47.99	3.24	50.51	Peak	74	Pass
n20	2412	Ant1	2390	-53.92	3.24	44.58	Average	54	Pass
n20	2462	Ant1	2483.5	-44.36	3.24	54.14	Peak	74	Pass
n20	2462	Ant1	2483.5	-53.51	3.24	44.99	Average	54	Pass
n20	2462	Ant1	2488.764	-43.96	3.24	54.54	Peak	74	Pass
n20	2462	Ant1	2484.736	-52.8	3.24	45.7	Average	54	Pass

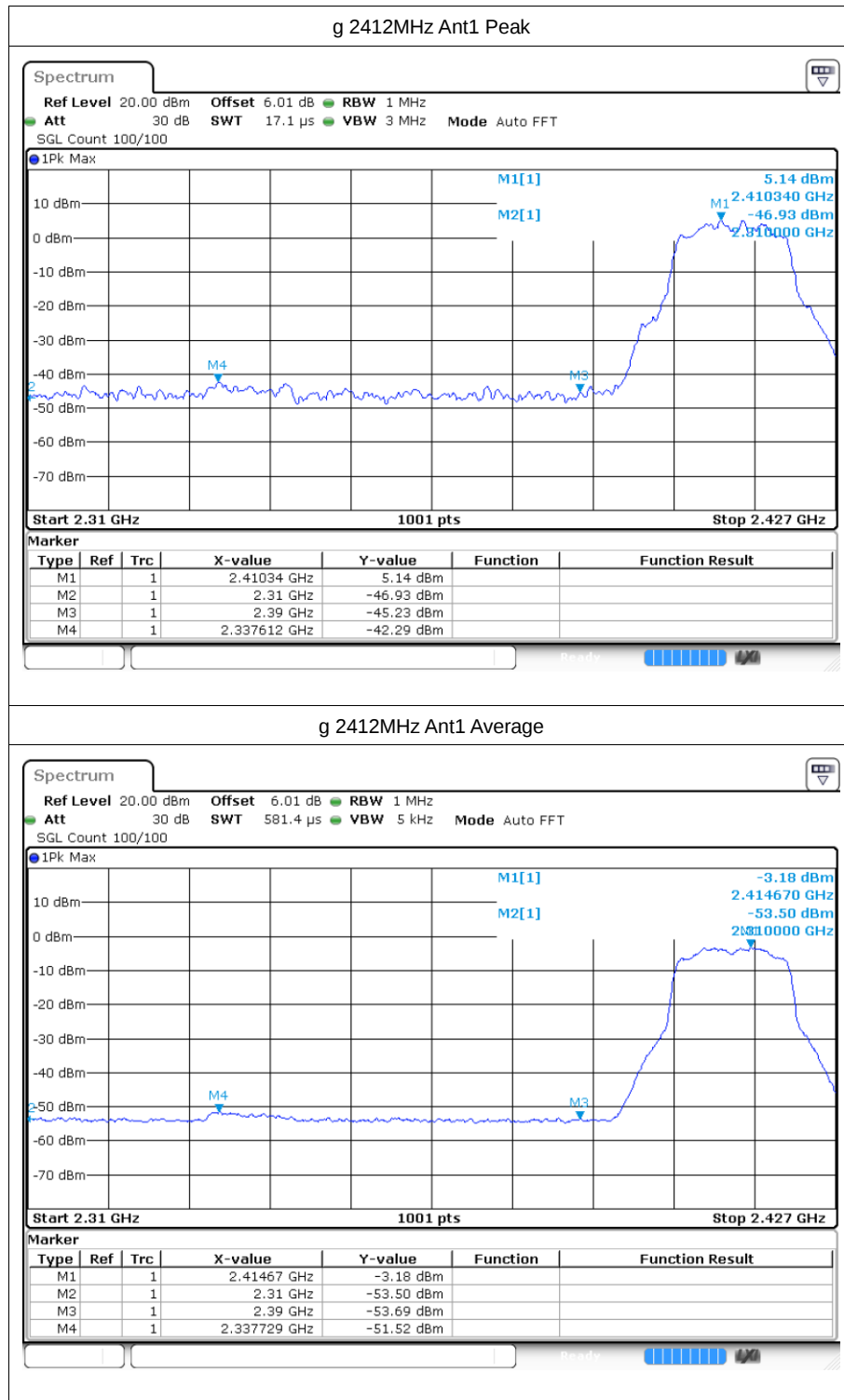


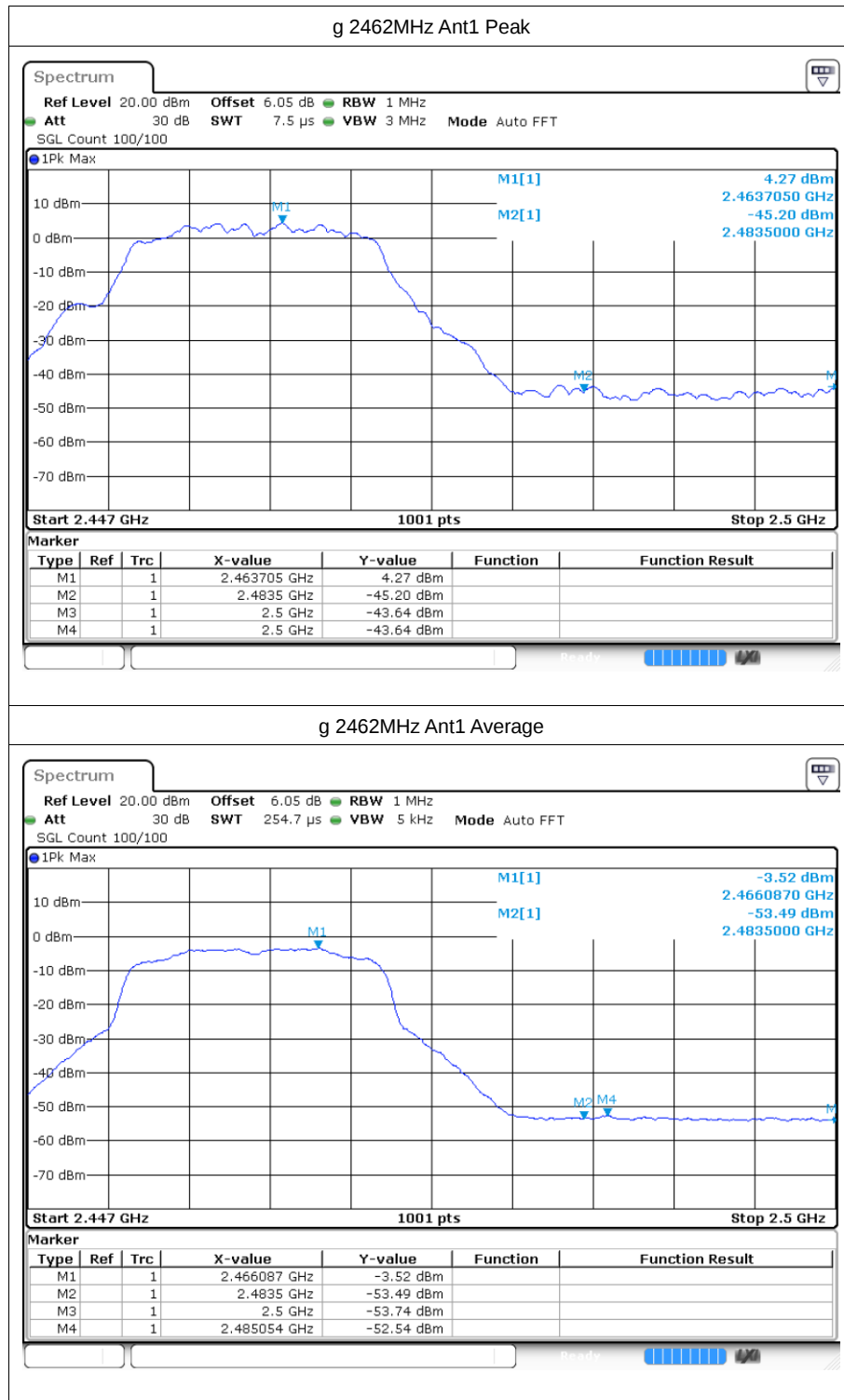
n20	2462	Ant1	2500	-47.17	3.24	51.33	Peak	74	Pass
n20	2462	Ant1	2500	-53.6	3.24	44.9	Average	54	Pass

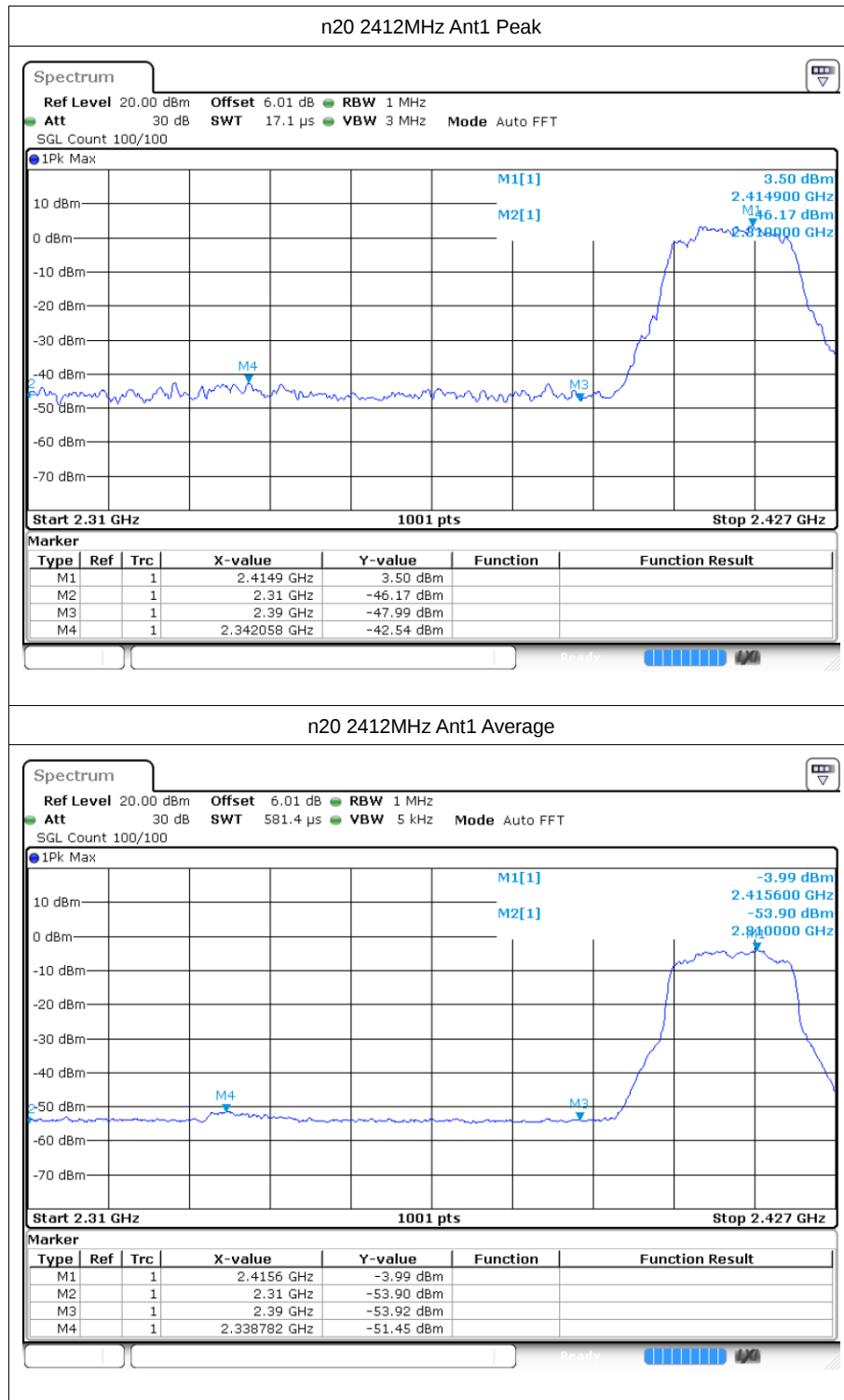
7.2 Test Graphs

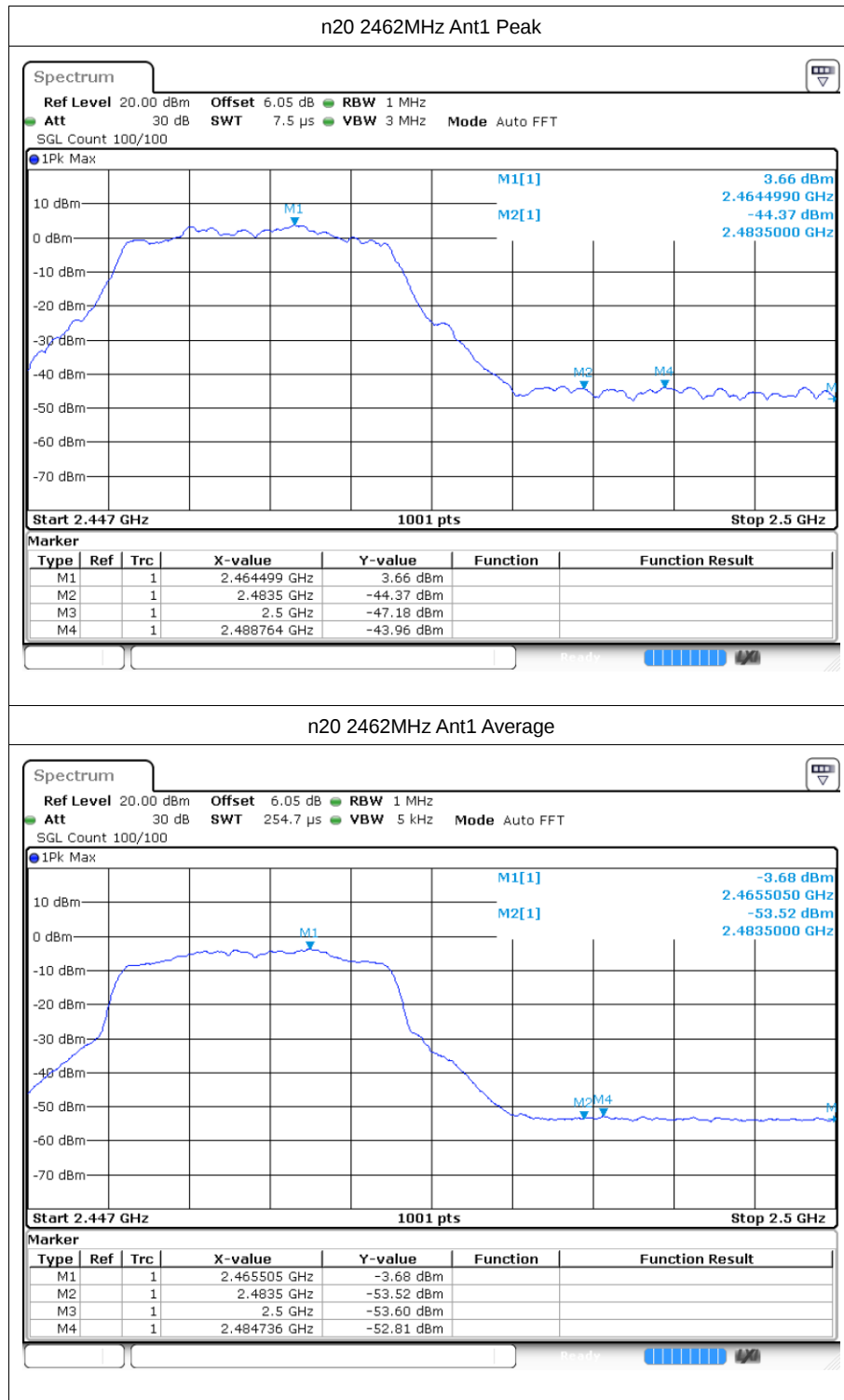












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