



Appendix C_RF Test Data

for 2.4GWIFI

Conducted Measurement

Product Name: Tablet PC

Test Model: Active 8

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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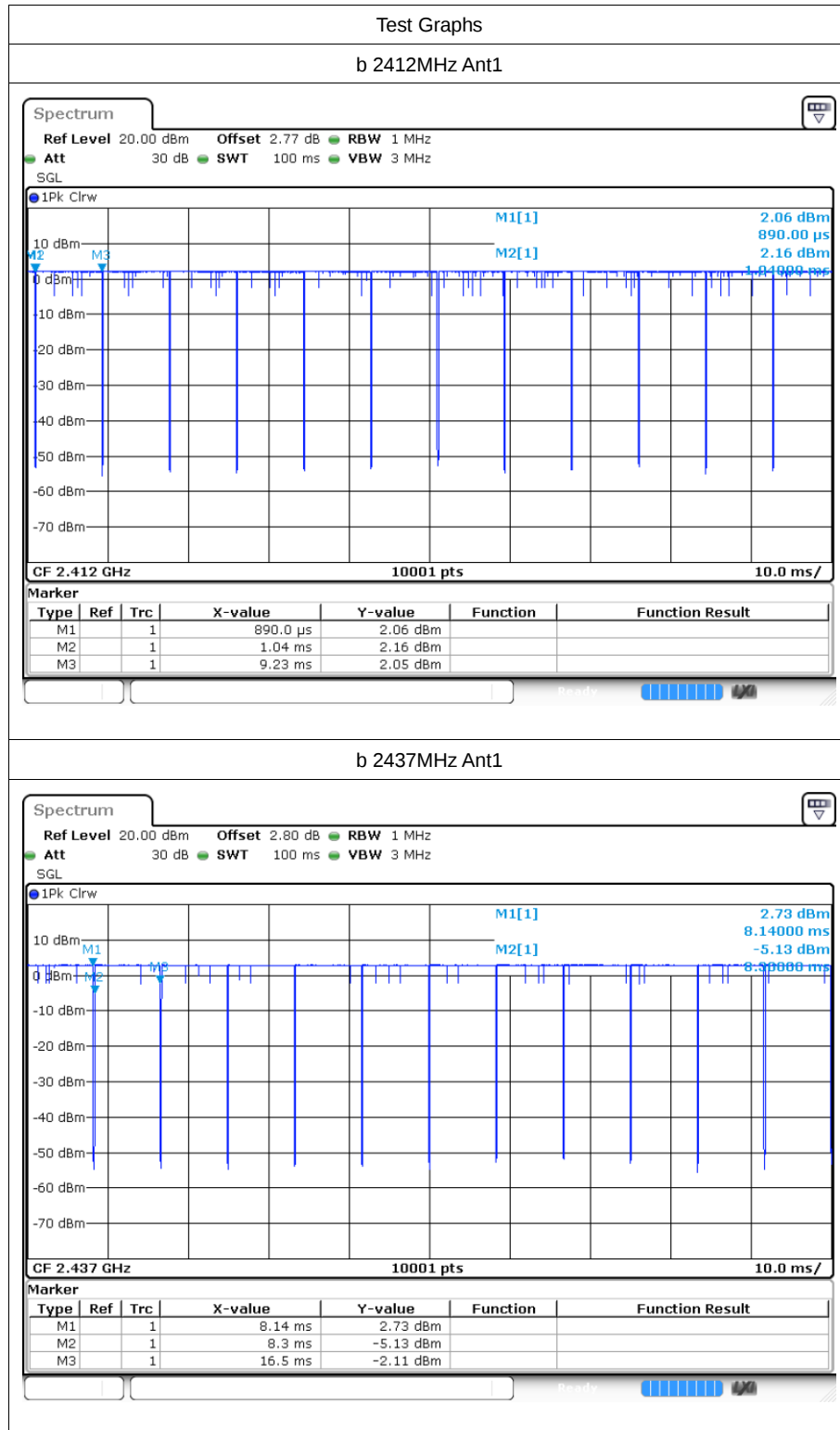


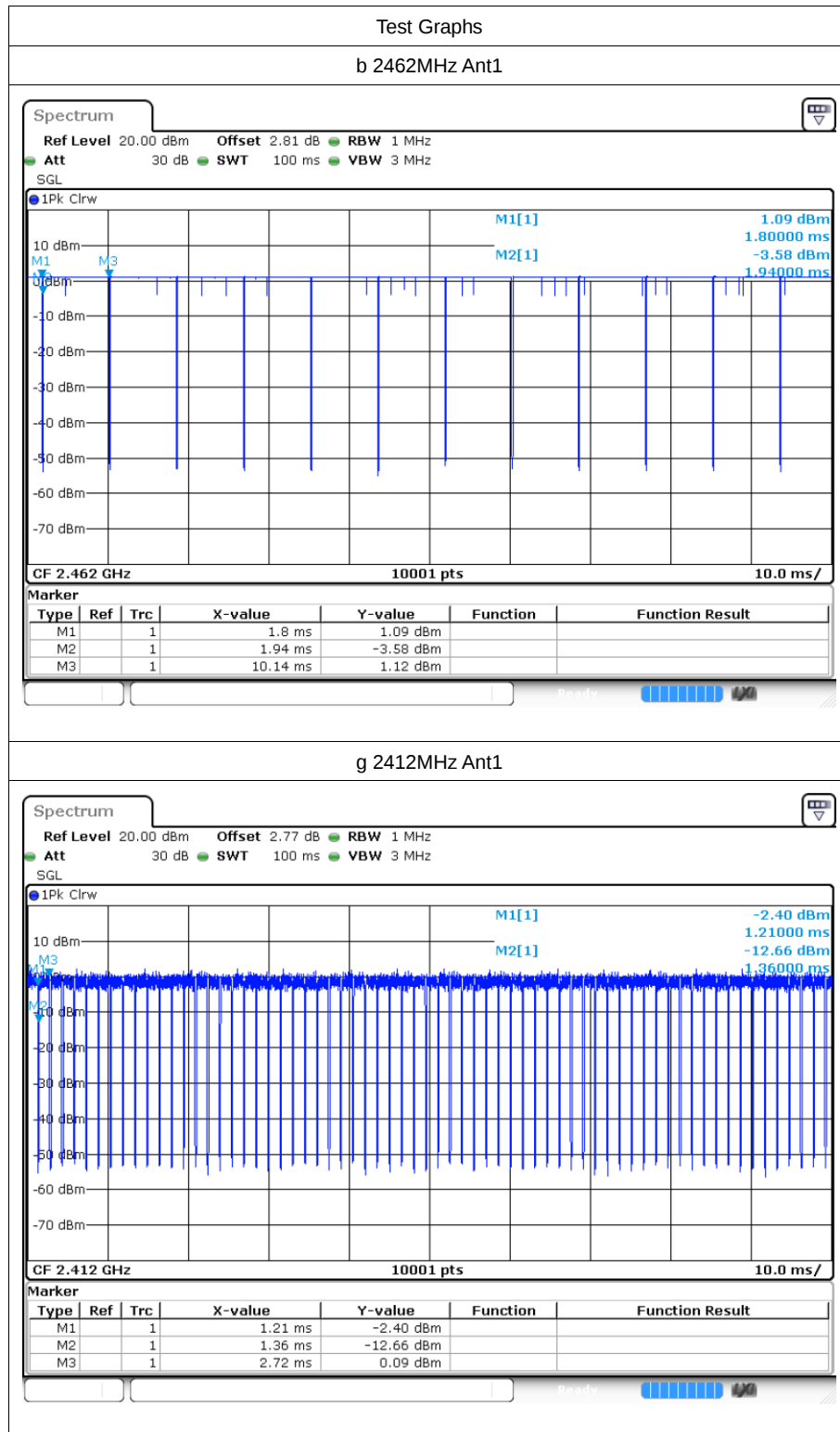
1 Duty Cycle

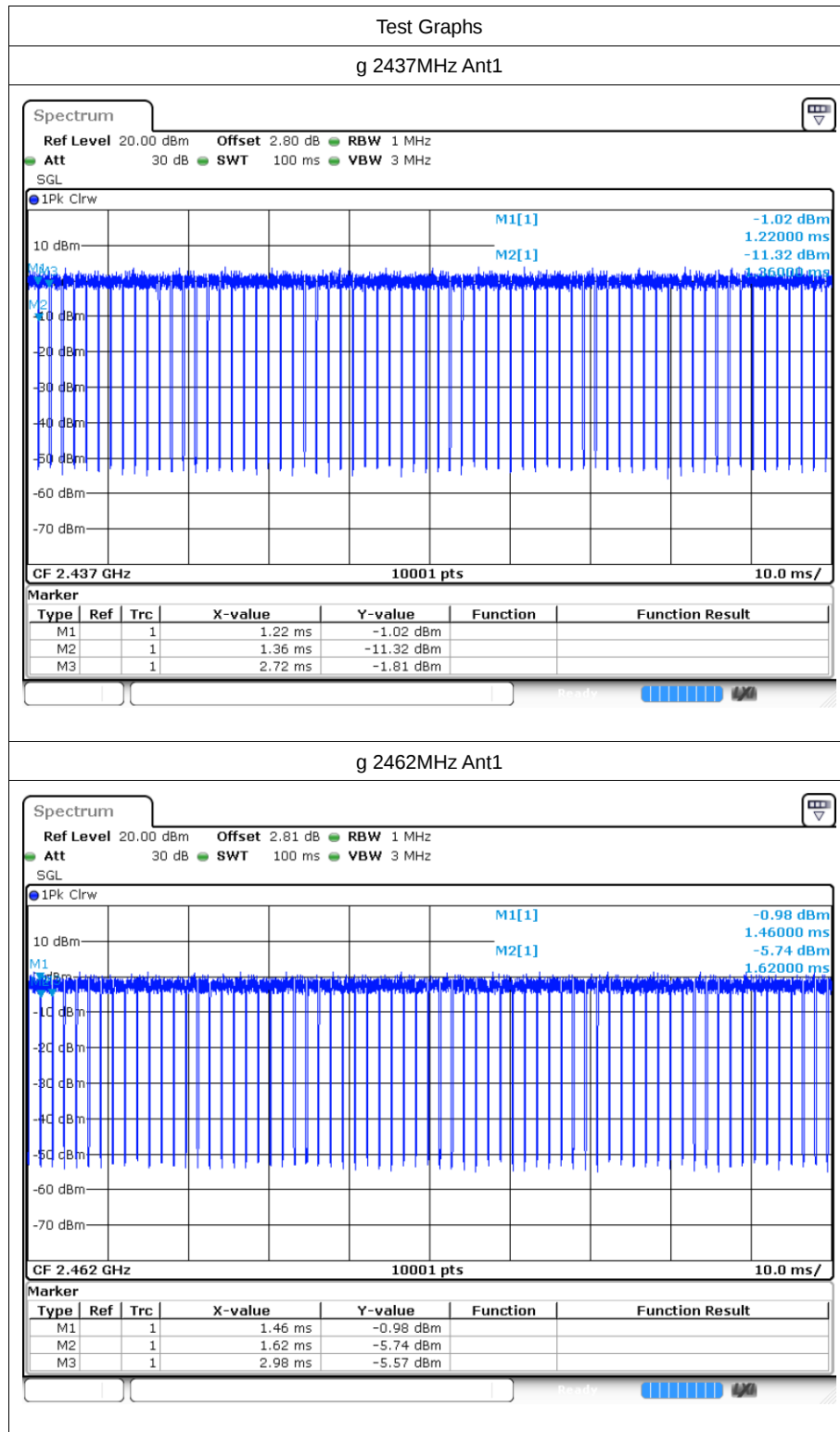
1.1 Test Result

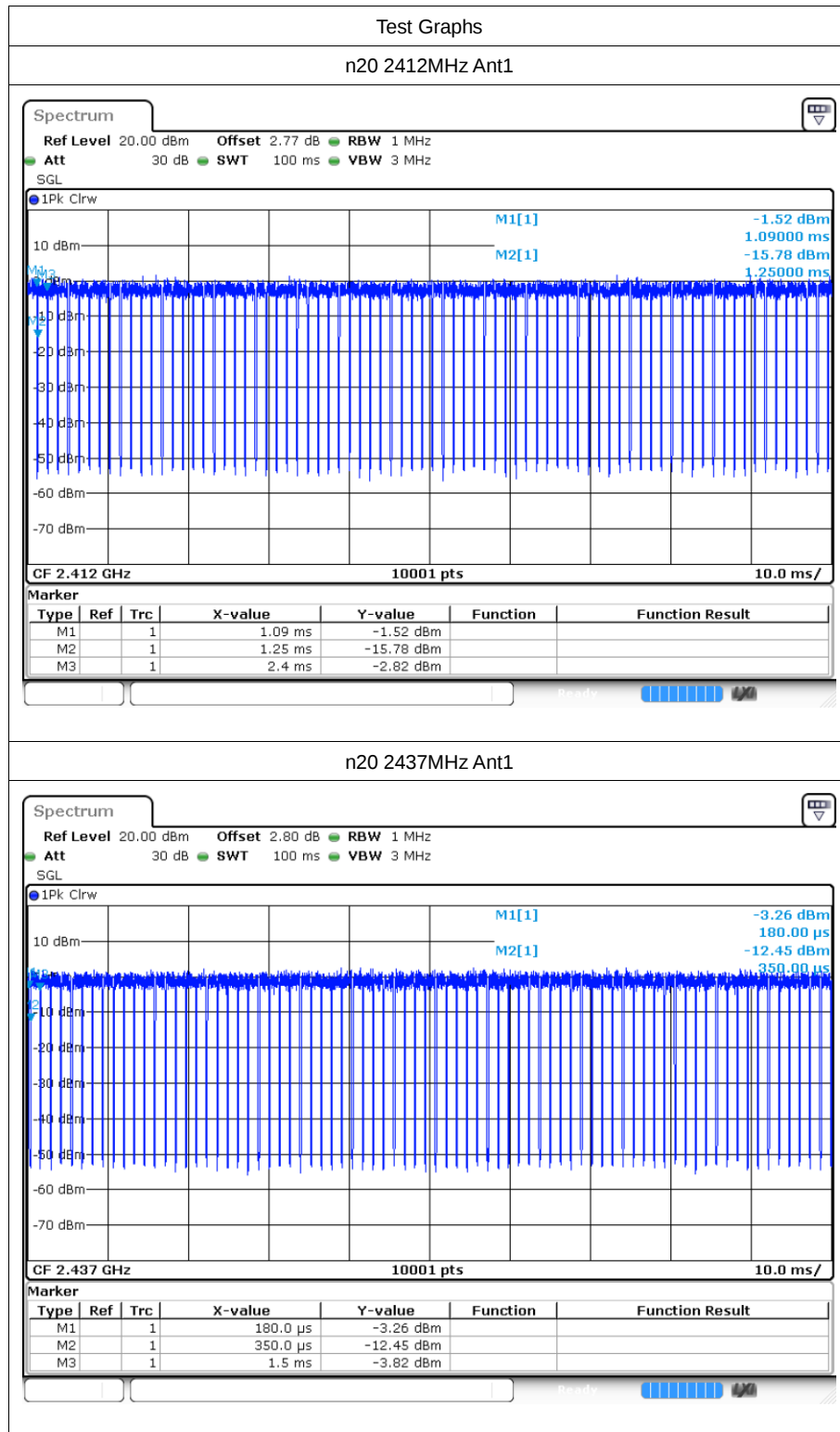
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	1/T (kHz)
b	2412	Ant1	98.3	0.12
b	2437	Ant1	98.45	0.12
b	2462	Ant1	98.42	0.12
g	2412	Ant1	91.02	0.74
g	2437	Ant1	91	0.74
g	2462	Ant1	90.92	0.74
n20	2412	Ant1	89.57	0.87
n20	2437	Ant1	89.44	0.87
n20	2462	Ant1	88.9	0.87
802.11n40	2422	Ant1	76.51	1.72
802.11n40	2437	Ant1	76.53	1.69
802.11n40	2452	Ant1	76.84	1.69

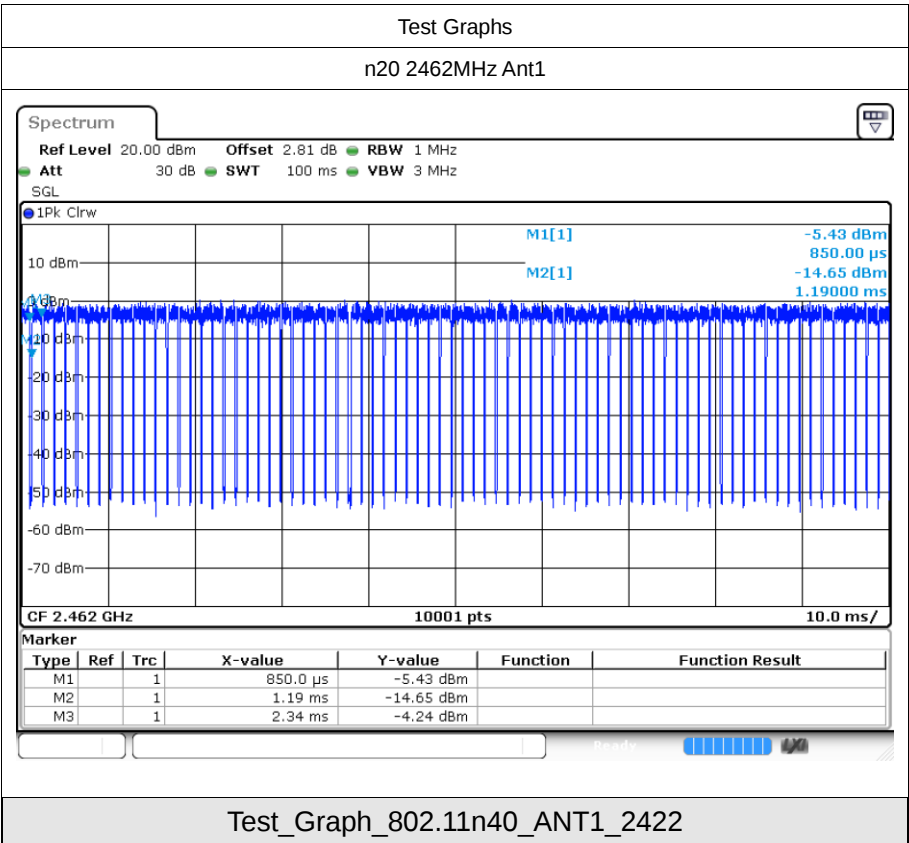
1.2 Test Graphs

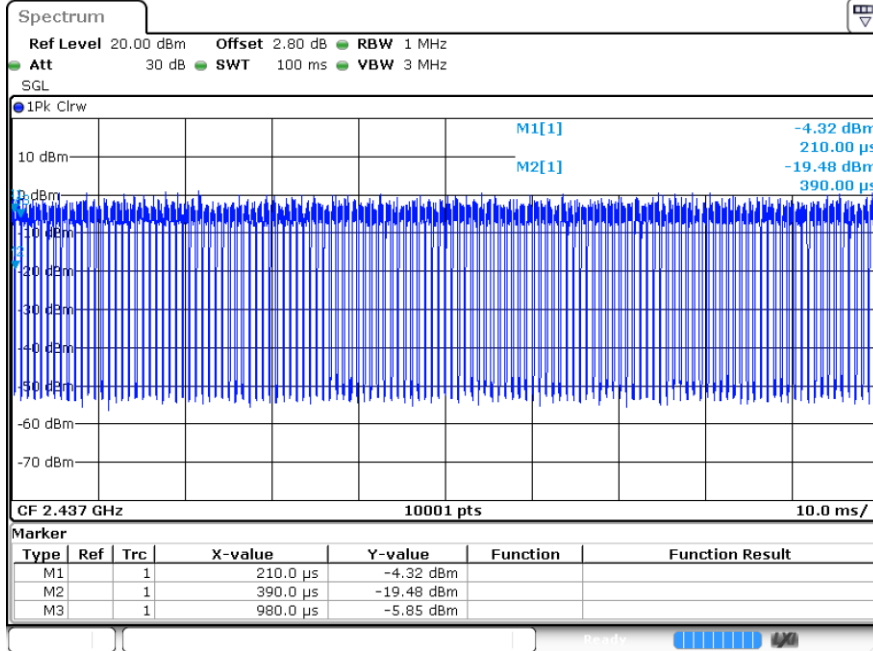




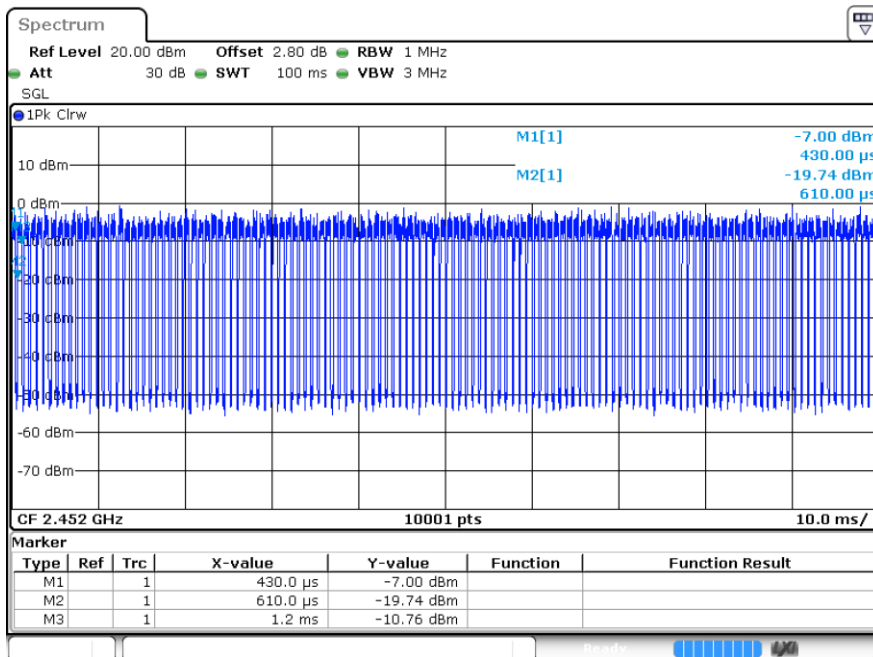








Test_Graph_802.11n40_ANT1_2437



Test_Graph_802.11n40_ANT1_2452

2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	12.11	30	Pass
b	2437	Ant1	13.4	30	Pass
b	2462	Ant1	11.55	30	Pass
g	2412	Ant1	11.9	30	Pass
g	2437	Ant1	13.43	30	Pass
g	2462	Ant1	11.21	30	Pass
n20	2412	Ant1	10.75	30	Pass
n20	2437	Ant1	12.4	30	Pass
n20	2462	Ant1	10.16	30	Pass
n40	2422	Ant1	9.38	30	Pass
n40	2437	Ant1	9.78	30	Pass
n40	2452	Ant1	9.73	30	Pass

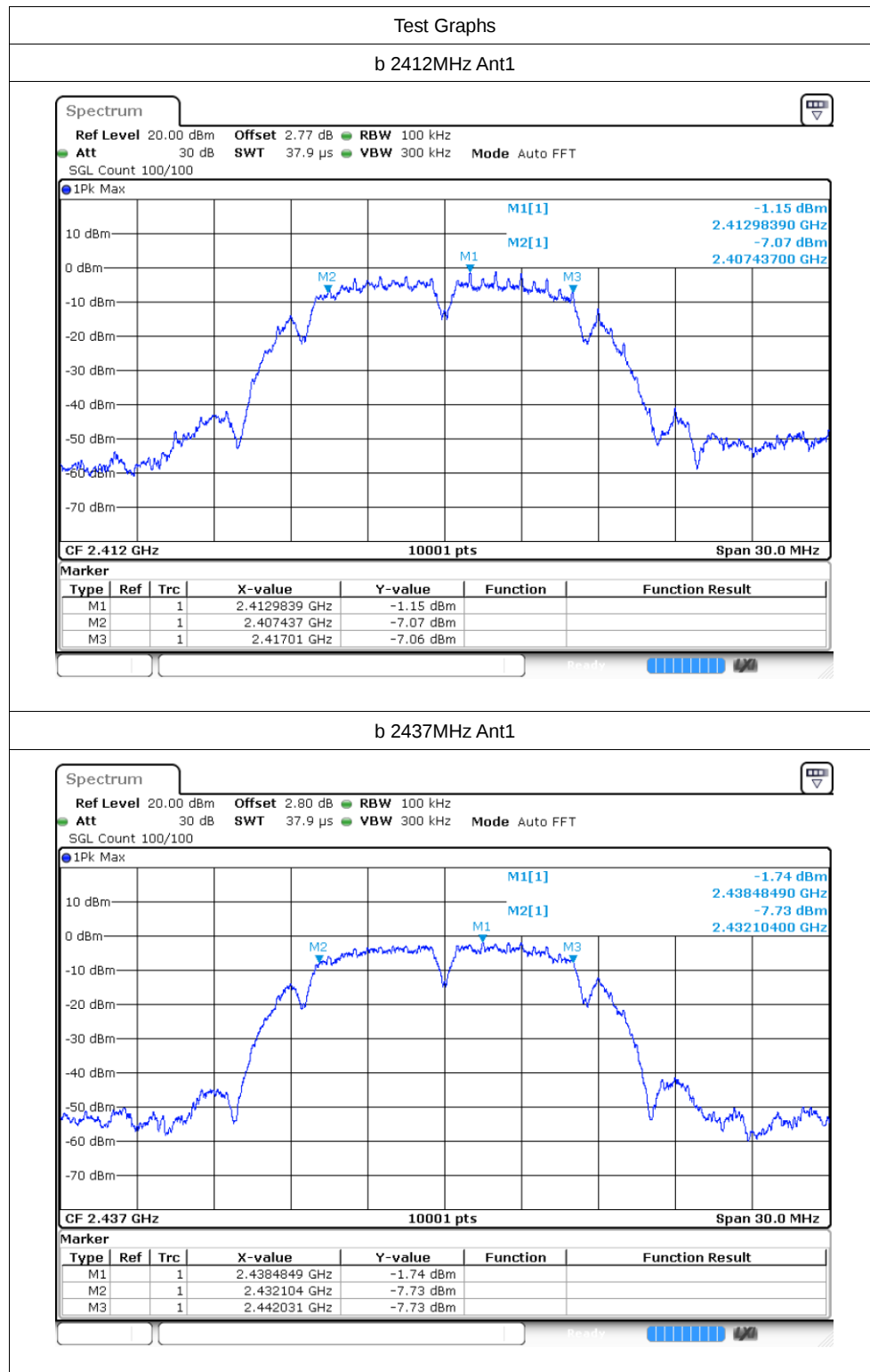


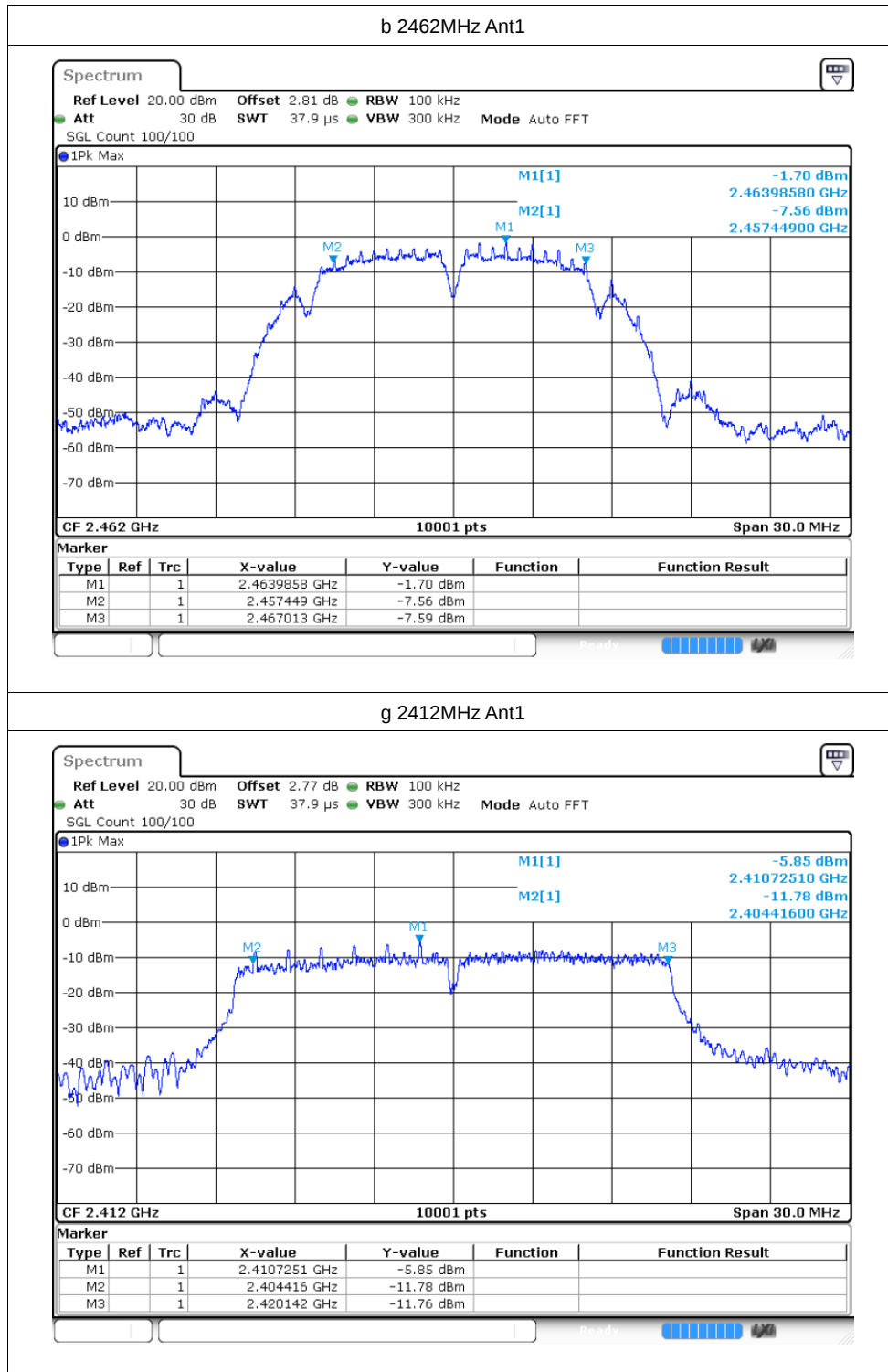
3 -6dB Bandwidth

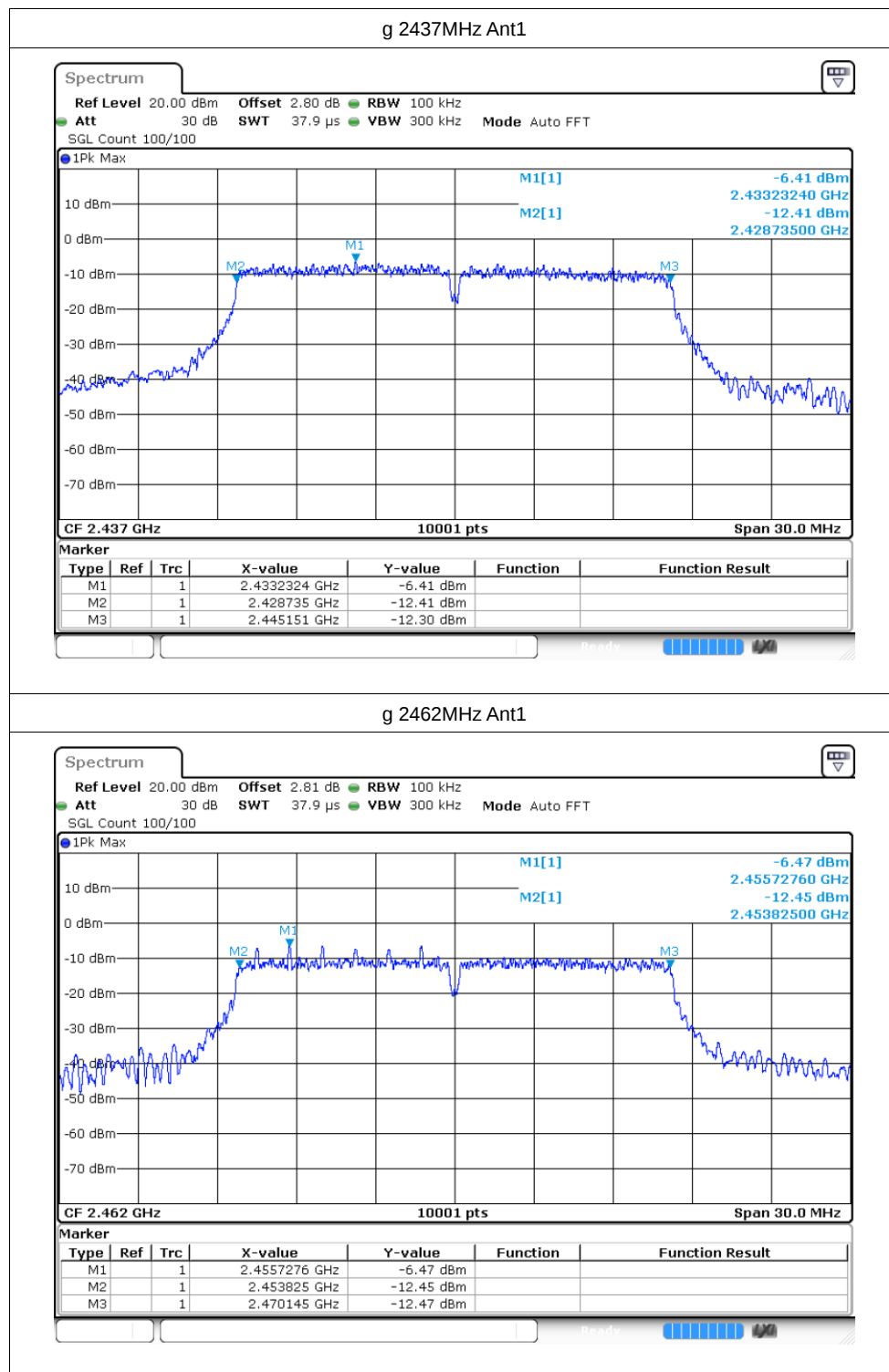
3.1 Test Result

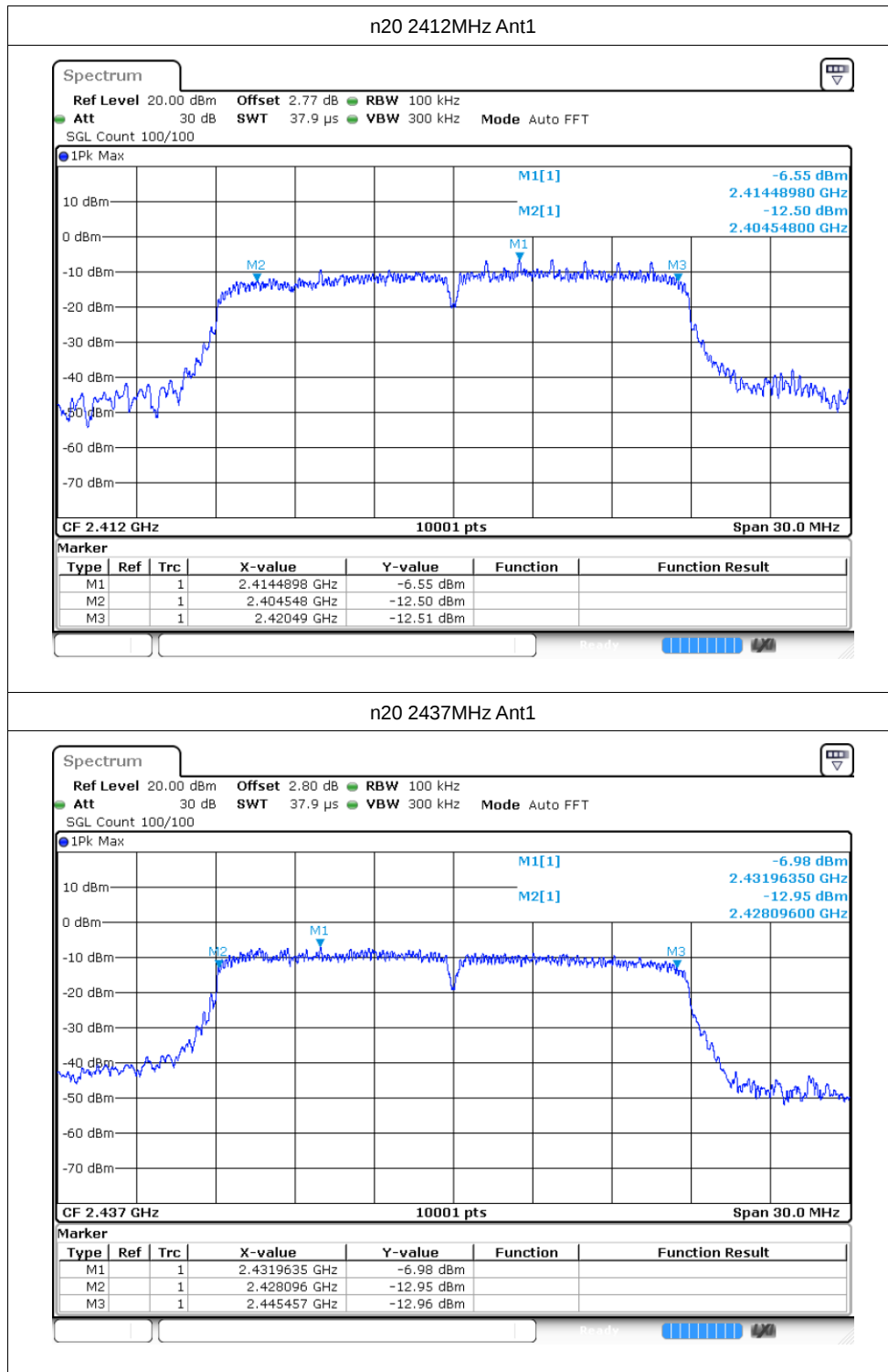
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	9.573	0.5	Pass
b	2437	Ant1	9.927	0.5	Pass
b	2462	Ant1	9.564	0.5	Pass
g	2412	Ant1	15.726	0.5	Pass
g	2437	Ant1	16.416	0.5	Pass
g	2462	Ant1	16.32	0.5	Pass
n20	2412	Ant1	15.942	0.5	Pass
n20	2437	Ant1	17.361	0.5	Pass
n20	2462	Ant1	17.142	0.5	Pass
n40	2422	Ant1	36.45	0.5	Pass
n40	2437	Ant1	27.552	0.5	Pass
n40	2452	Ant1	21.312	0.5	Pass

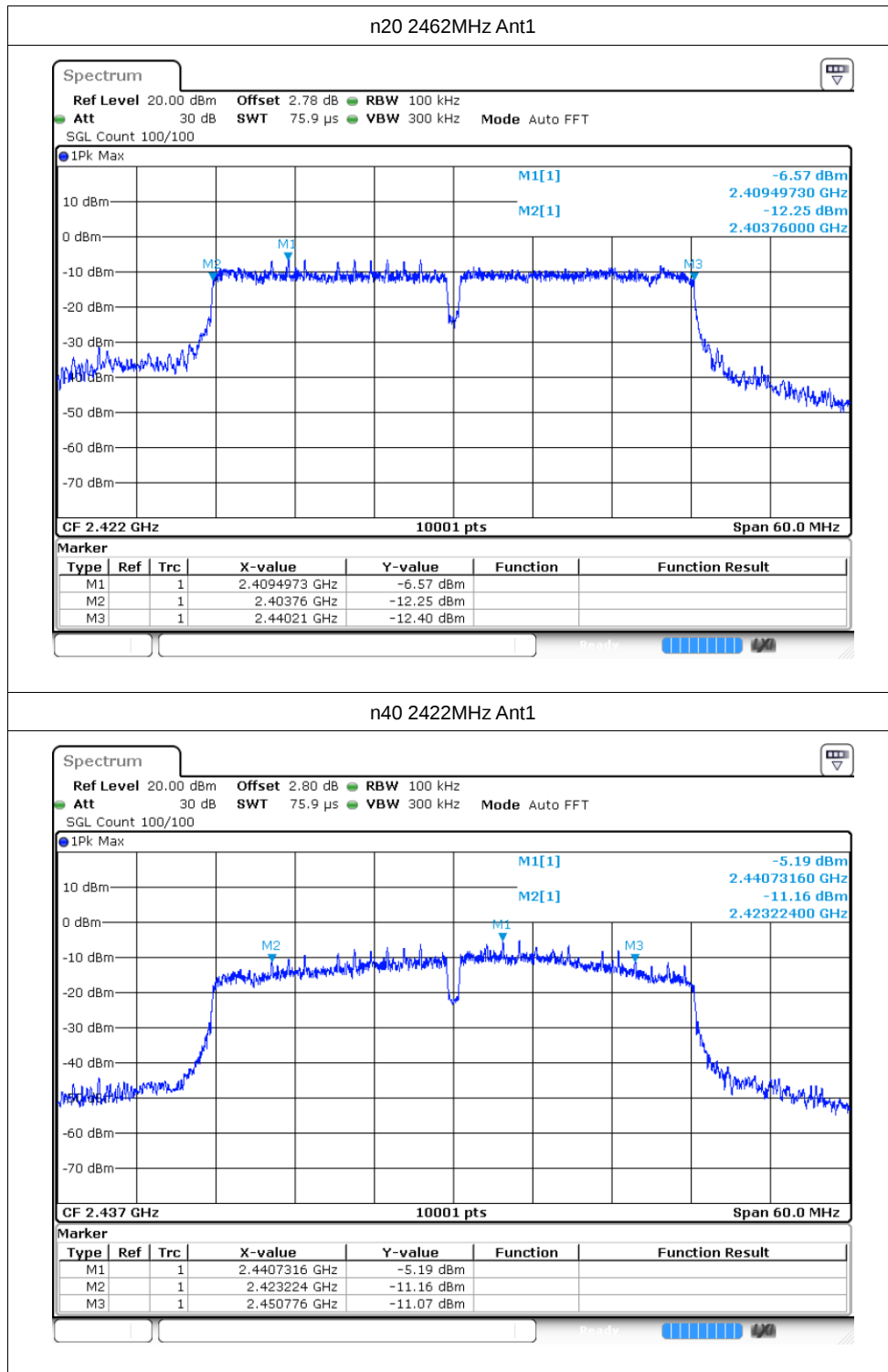
3.2 Test Graphs

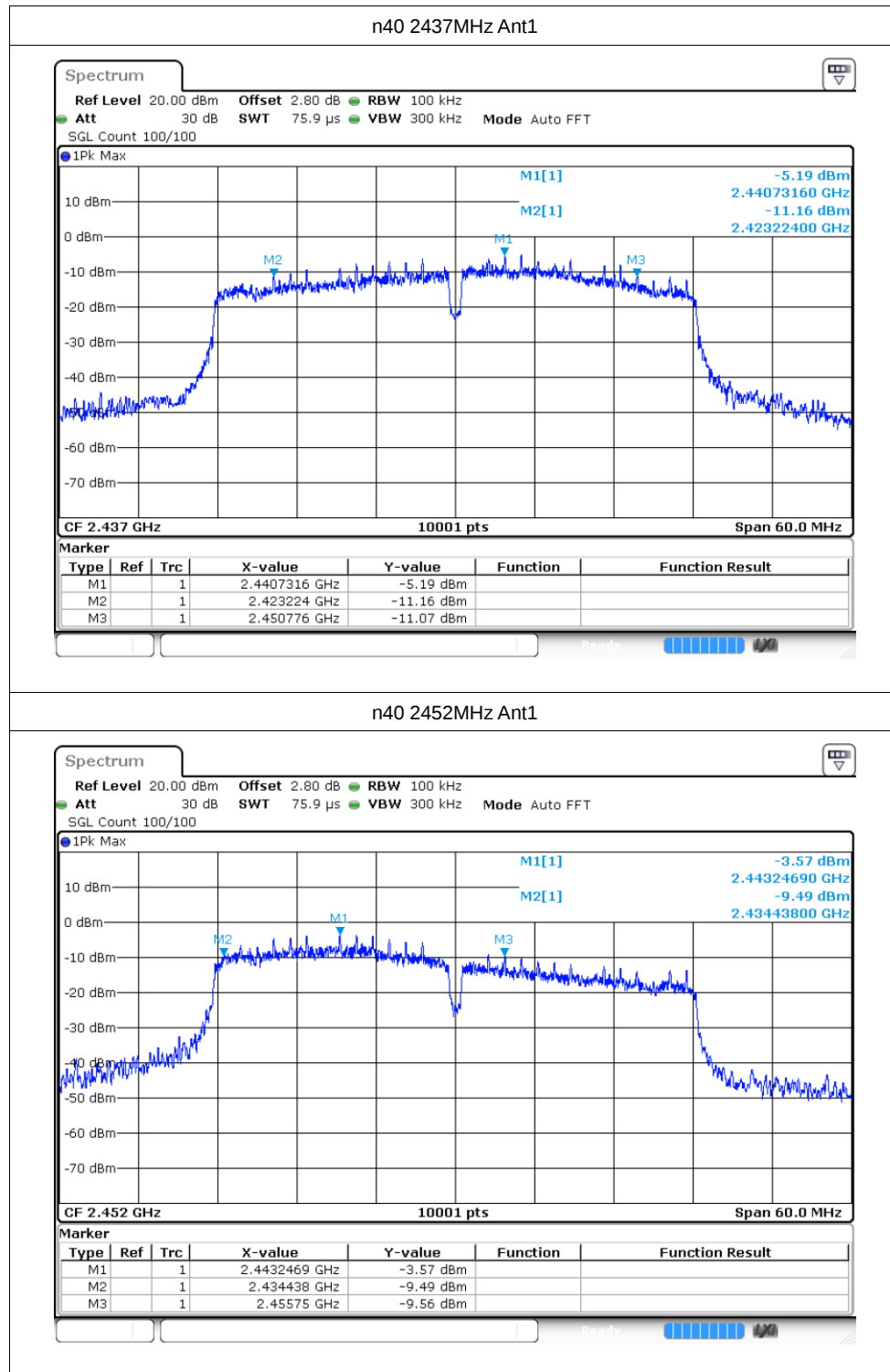










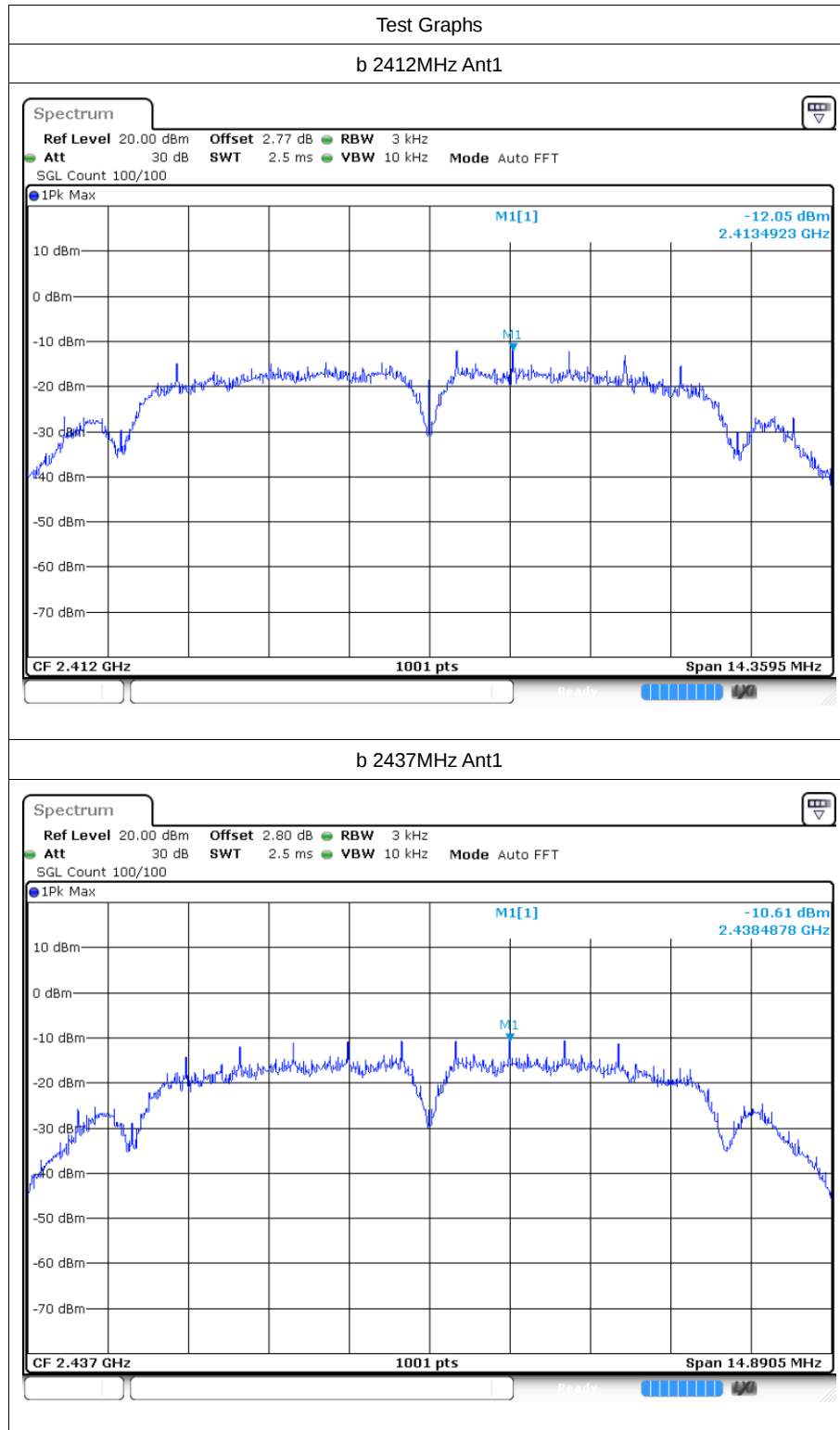


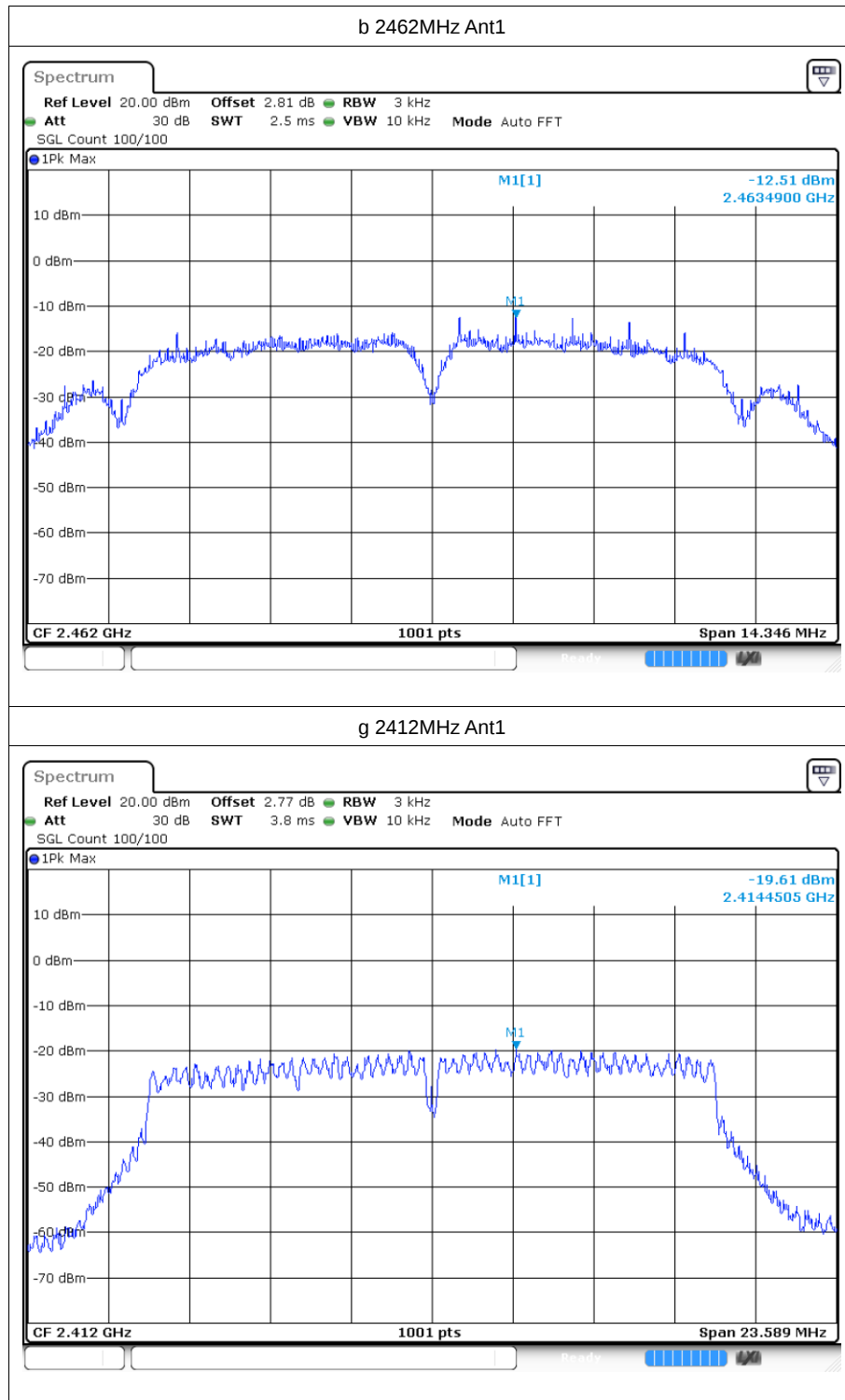
4 Maximum Power Spectral Density Level

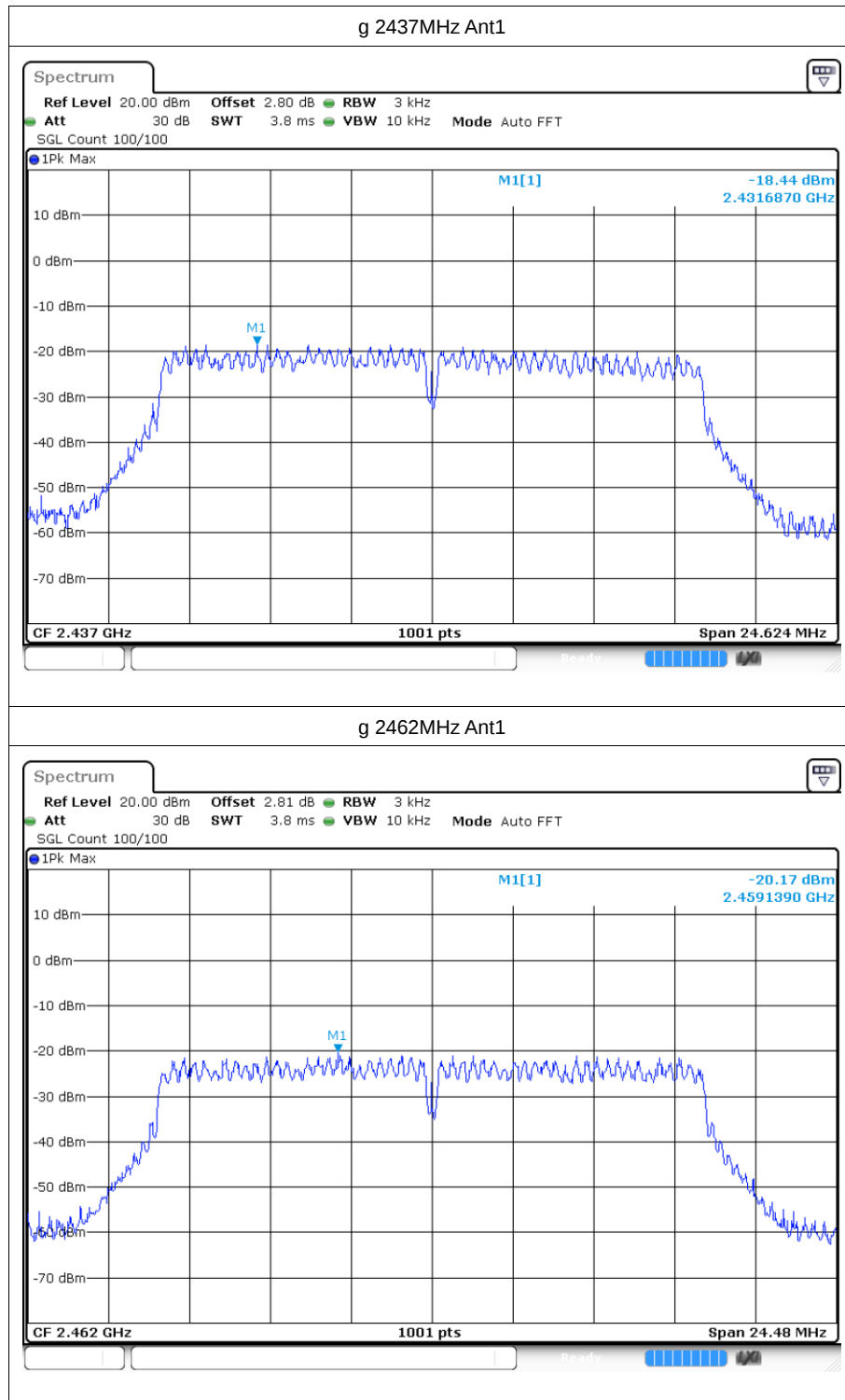
4.1 Test Result

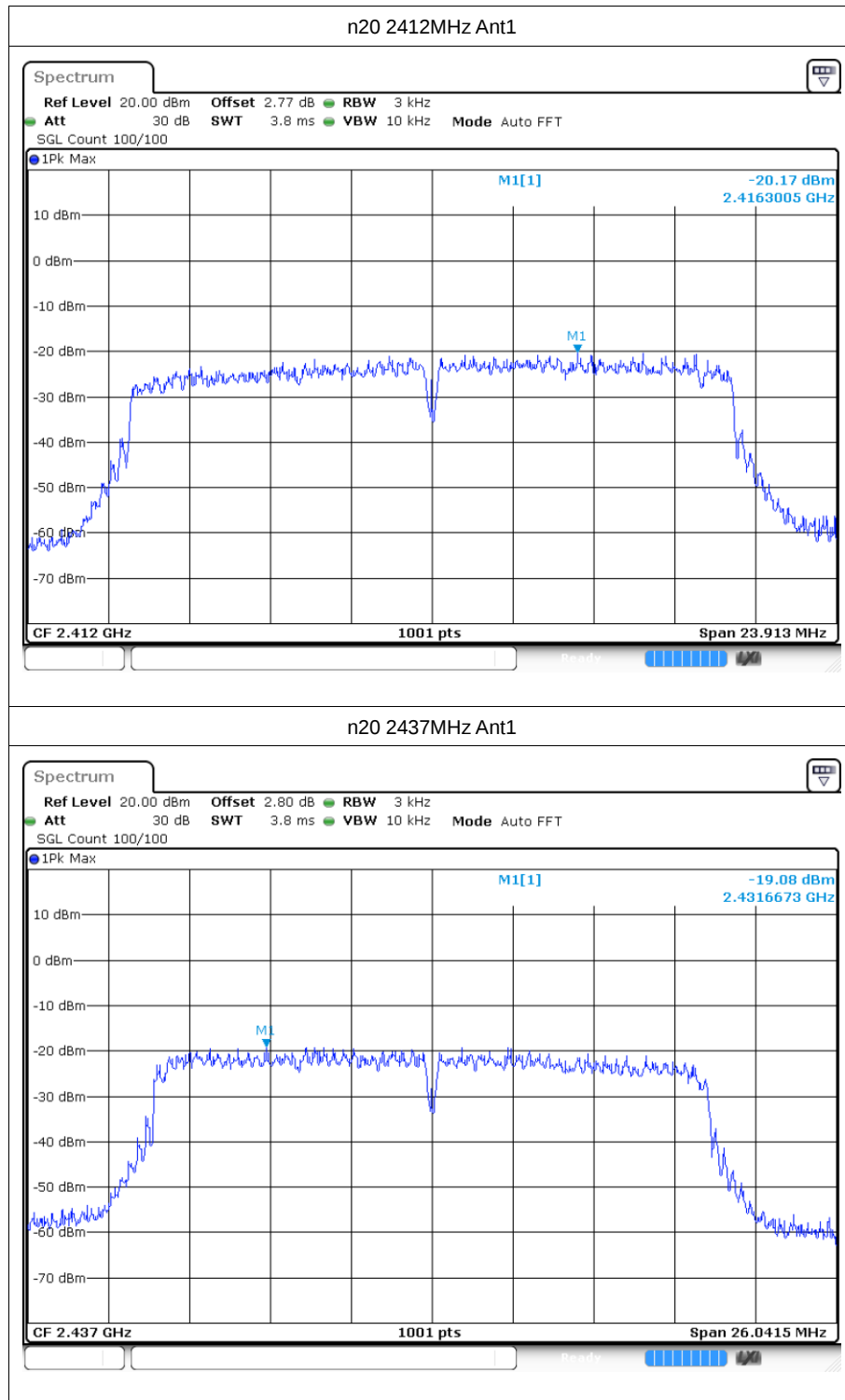
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-12.05	≤8	Pass
b	2437	Ant1	-10.61	≤8	Pass
b	2462	Ant1	-12.51	≤8	Pass
g	2412	Ant1	-19.61	≤8	Pass
g	2437	Ant1	-18.44	≤8	Pass
g	2462	Ant1	-20.17	≤8	Pass
n20	2412	Ant1	-20.17	≤8	Pass
n20	2437	Ant1	-19.08	≤8	Pass
n20	2462	Ant1	-21.15	≤8	Pass
n40	2422	Ant1	-19.64	≤8	Pass
n40	2437	Ant1	-20.47	≤8	Pass
n40	2452	Ant1	-18.81	≤8	Pass

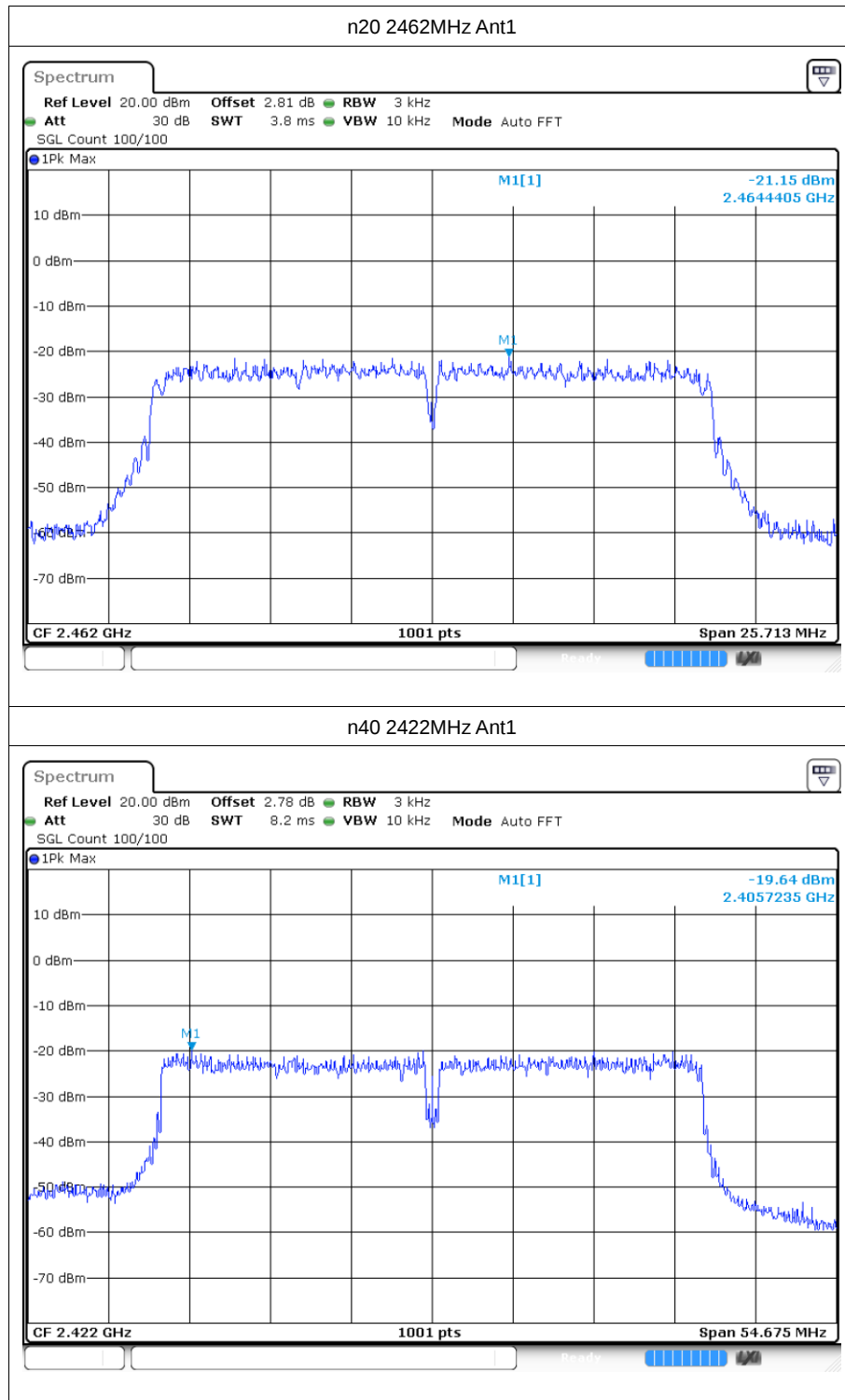
4.2 Test Graphs

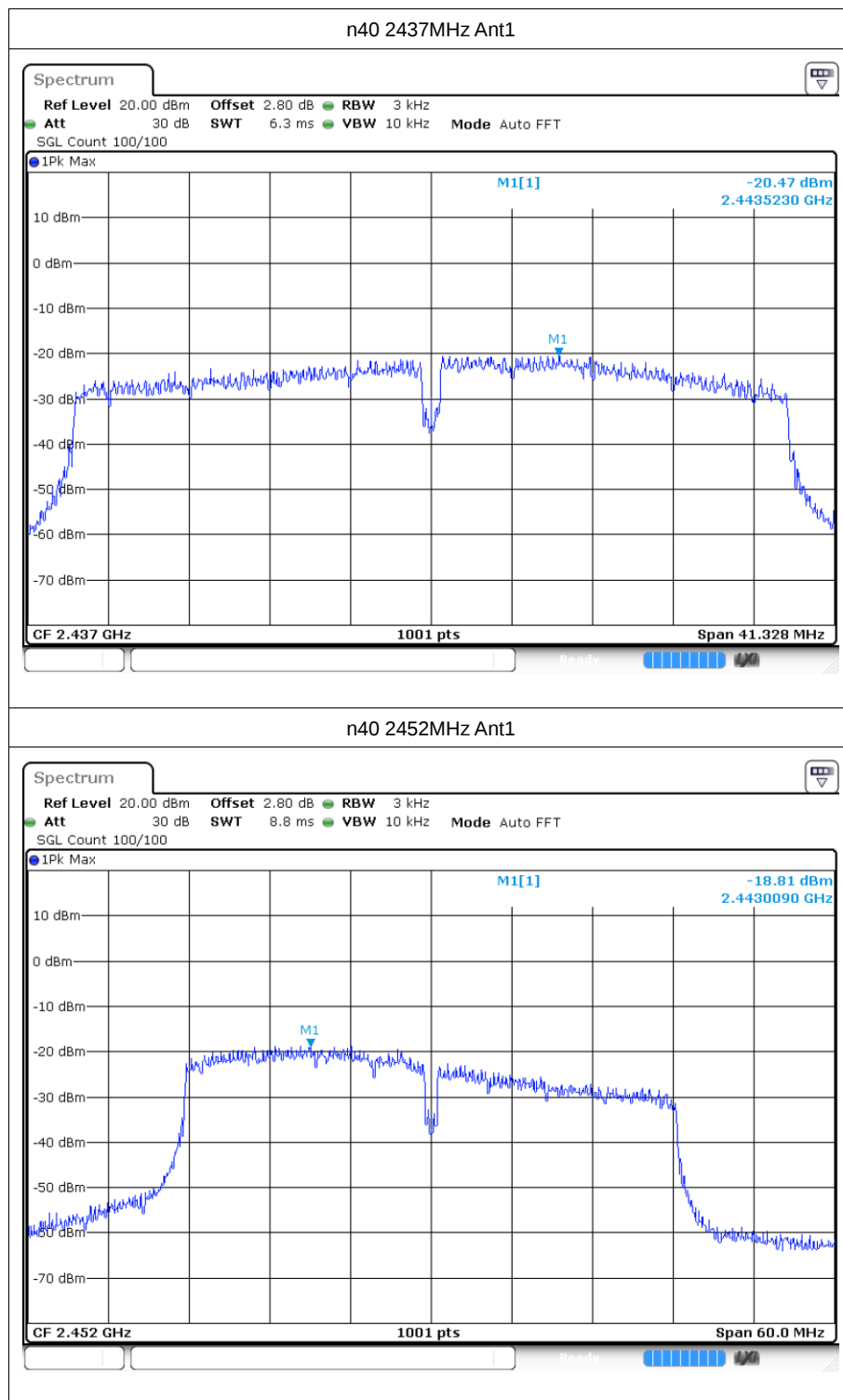










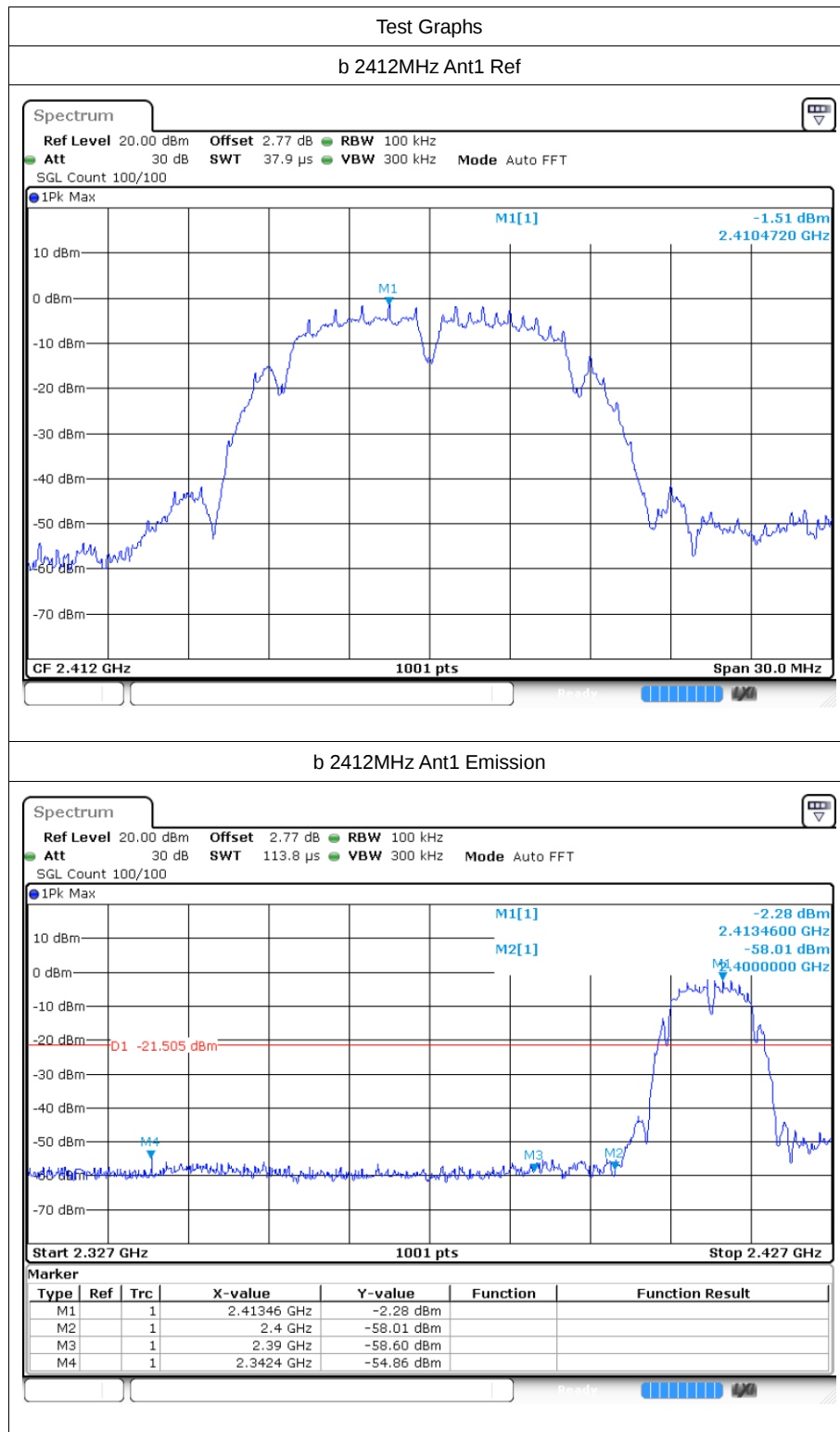


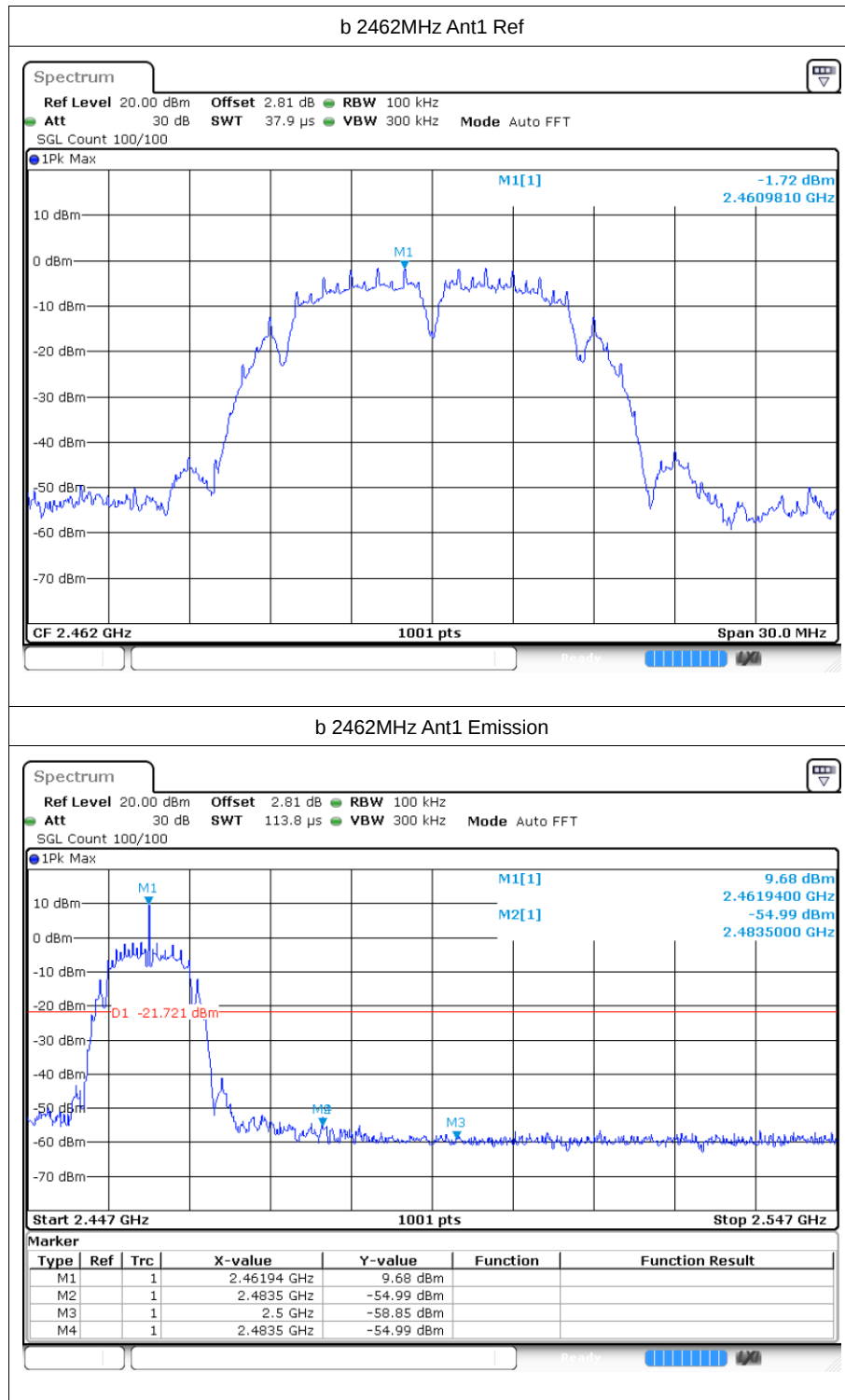
5 Band Edge

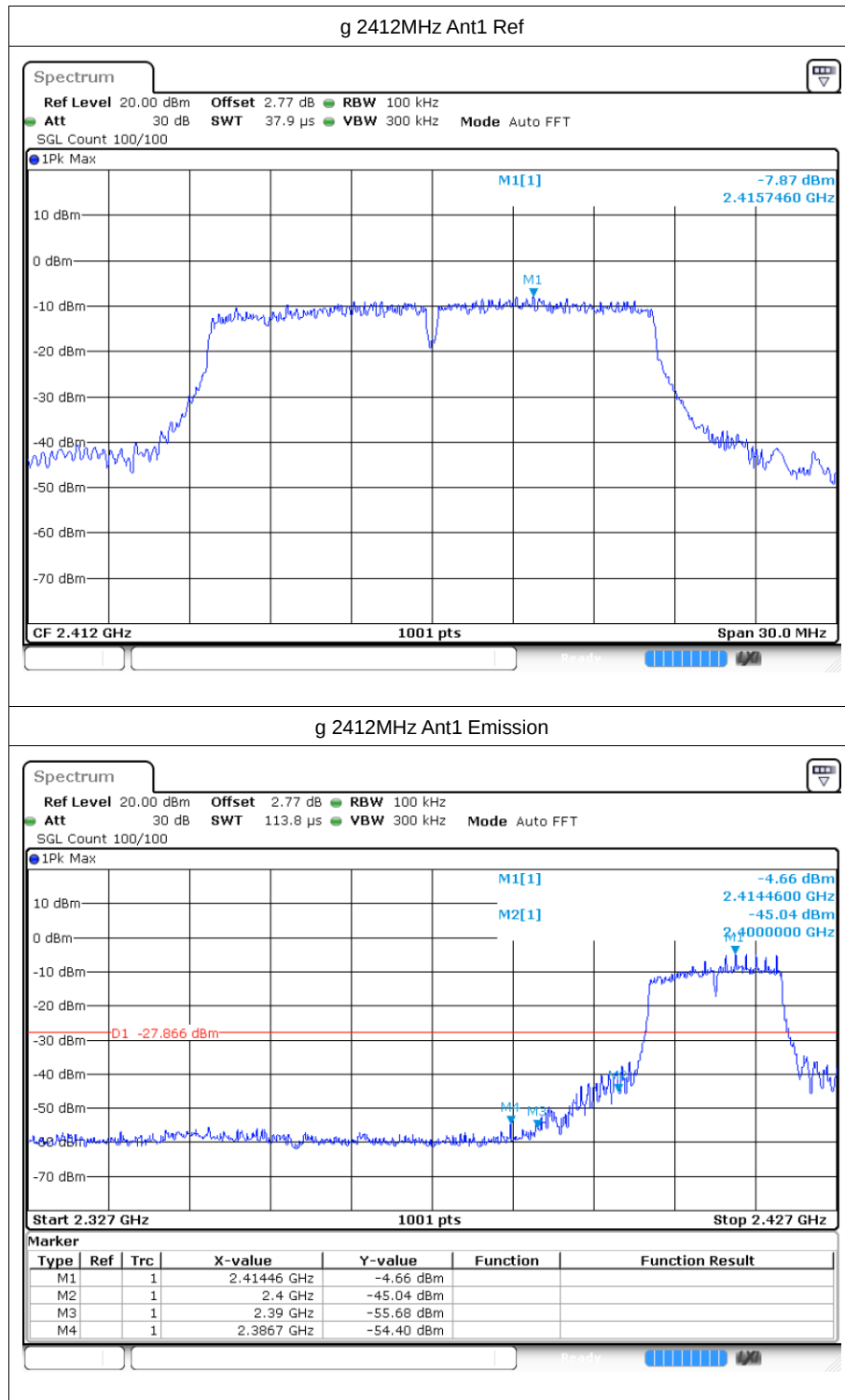
5.1 Test Result

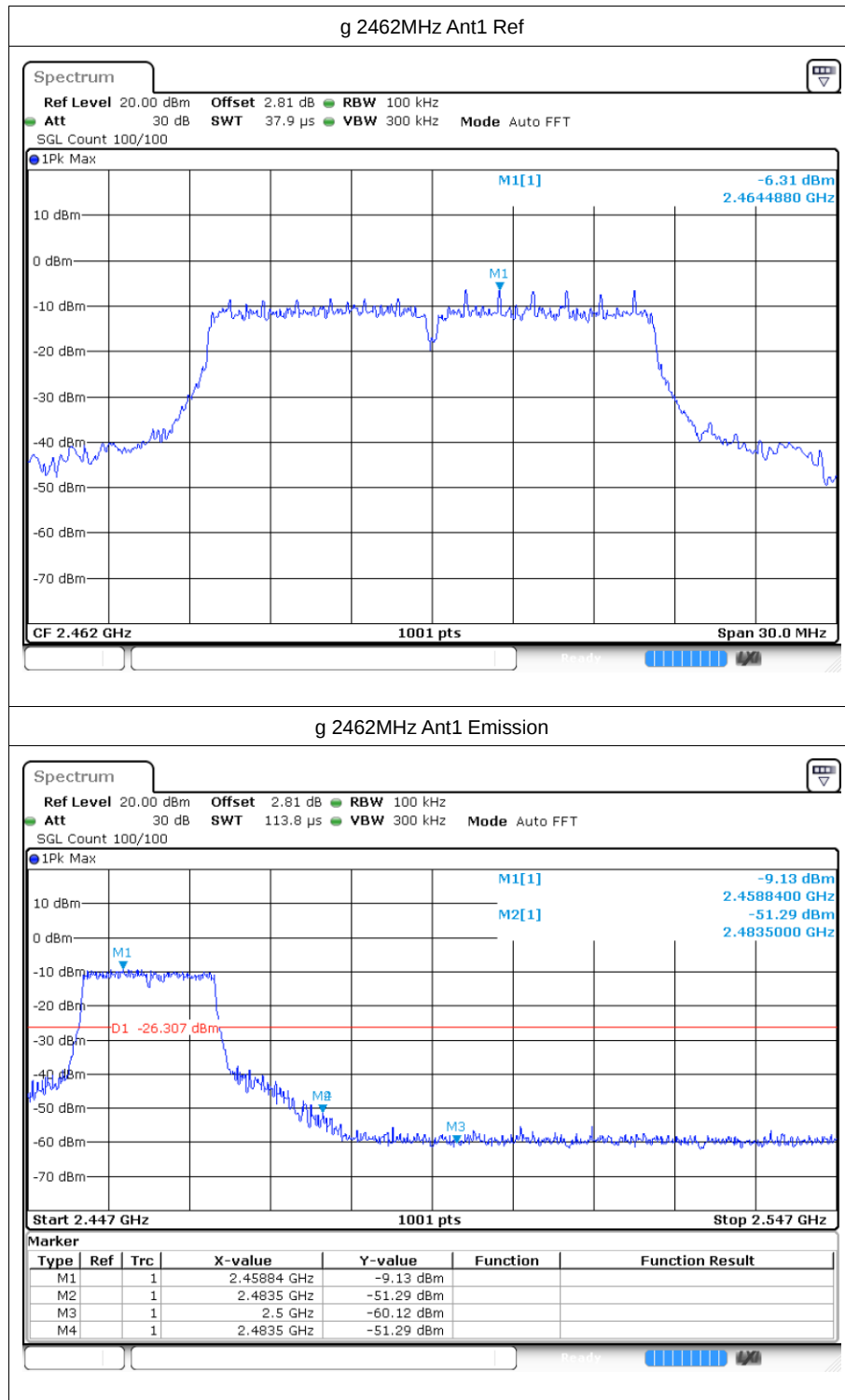
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-53.34	-20	-53.34
b	2462	Ant1	-53.27	-20	Pass
g	2412	Ant1	-46.53	-20	Pass
g	2462	Ant1	-44.97	-20	Pass
n20	2412	Ant1	-46.68	-20	Pass
n20	2462	Ant1	-40.66	-20	Pass
n40	2422	Ant1	-35.47	-20	Pass
n40	2452	Ant1	-43.97	-20	Pass

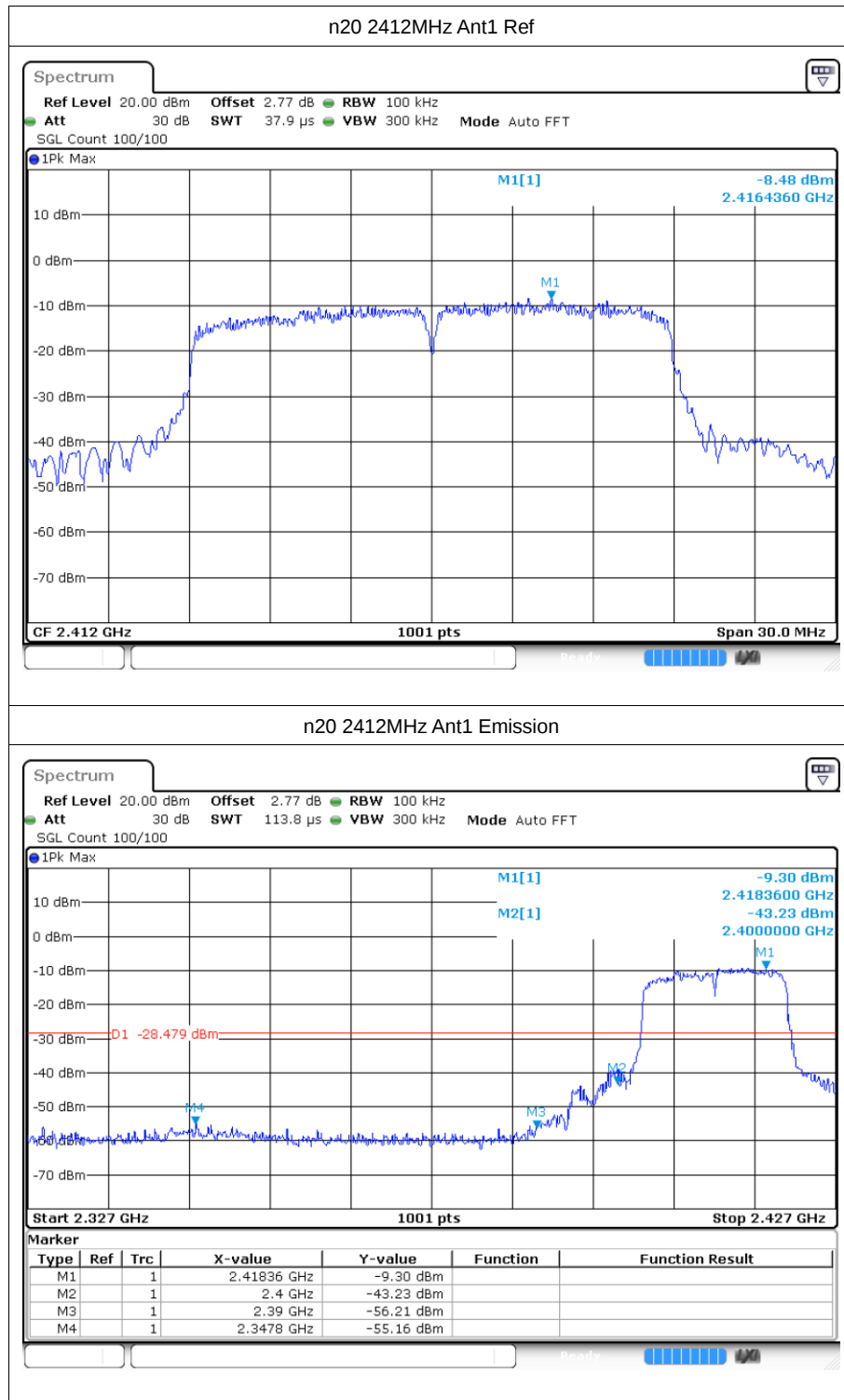
5.2 Test Graphs

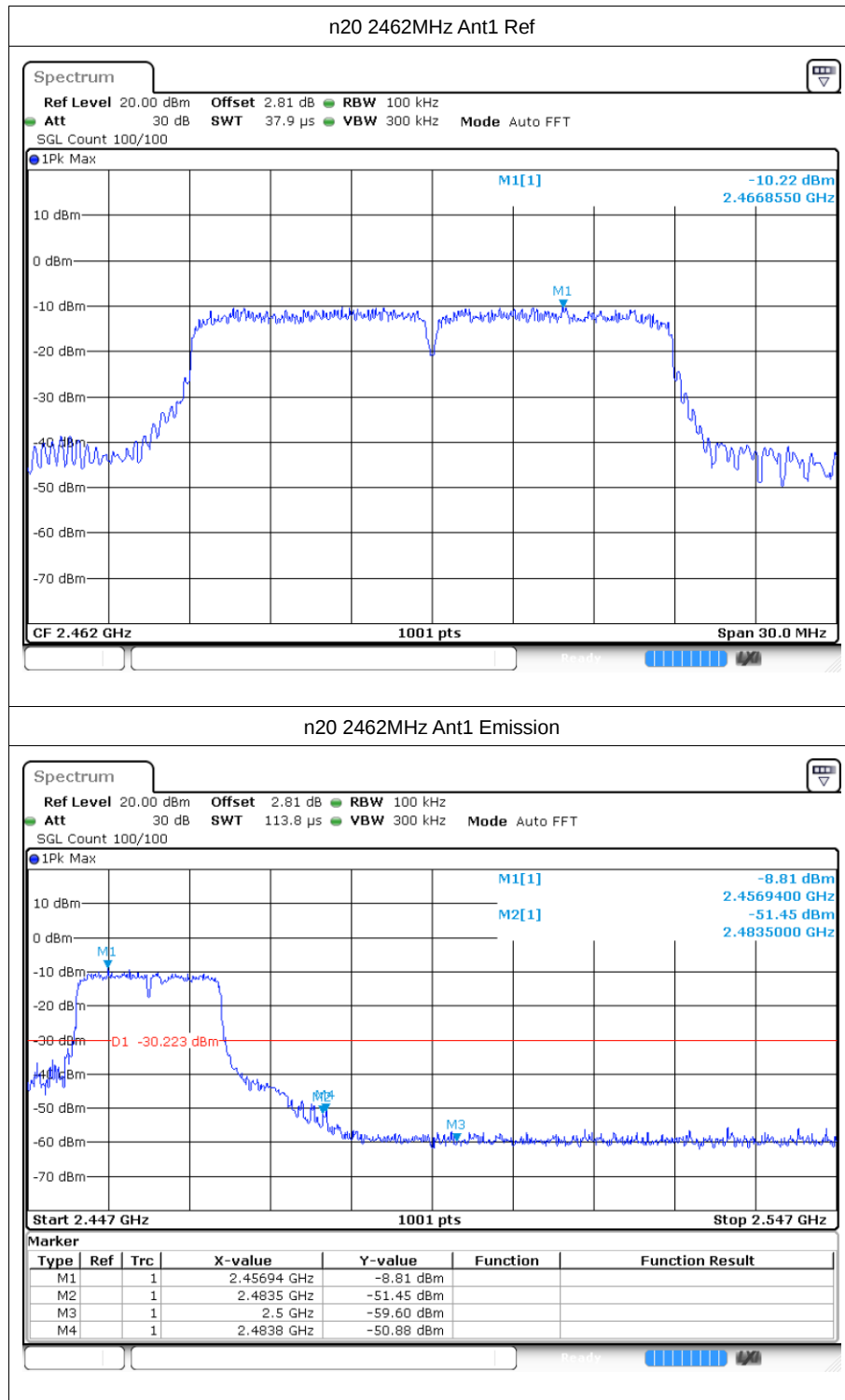


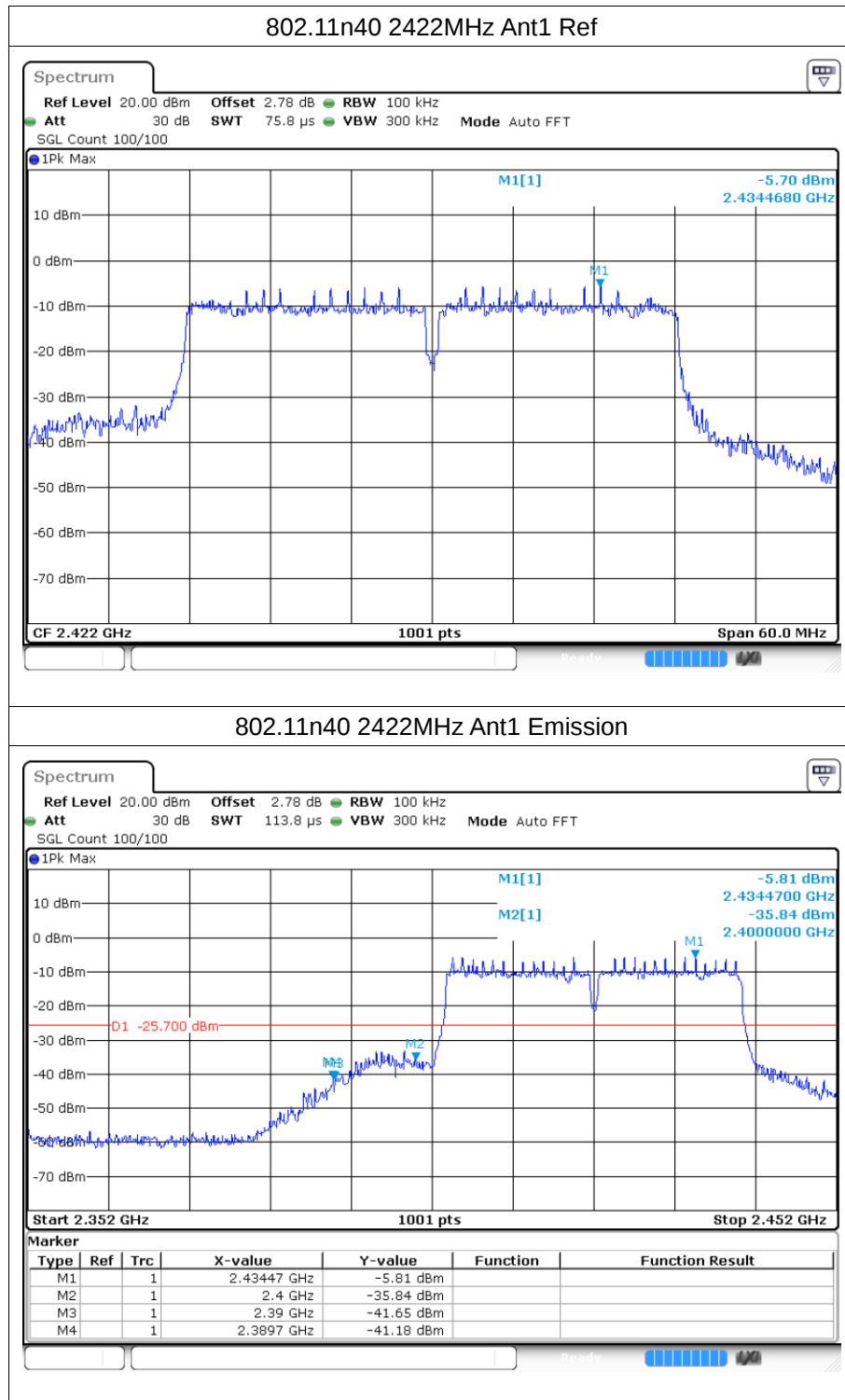


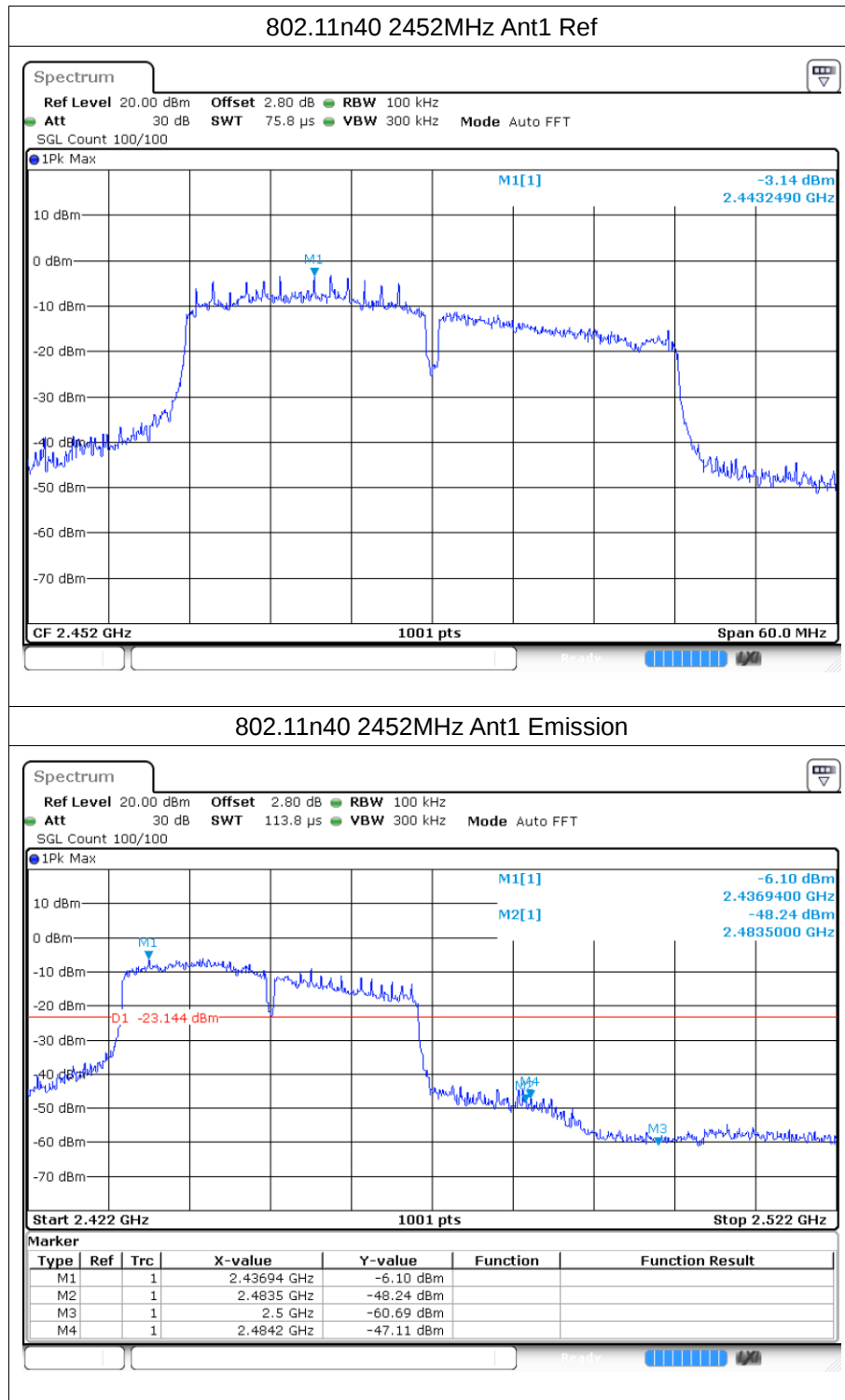












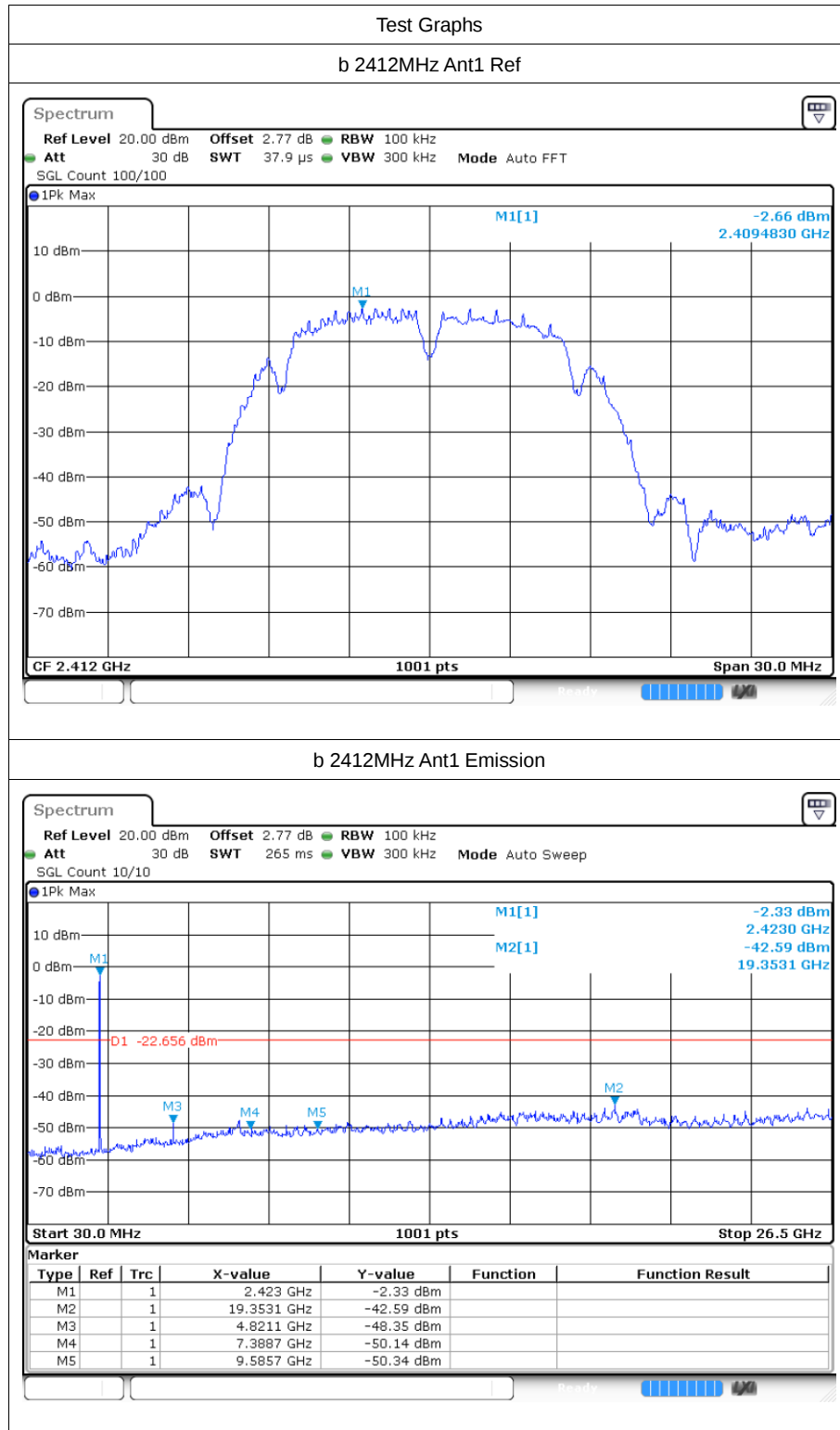


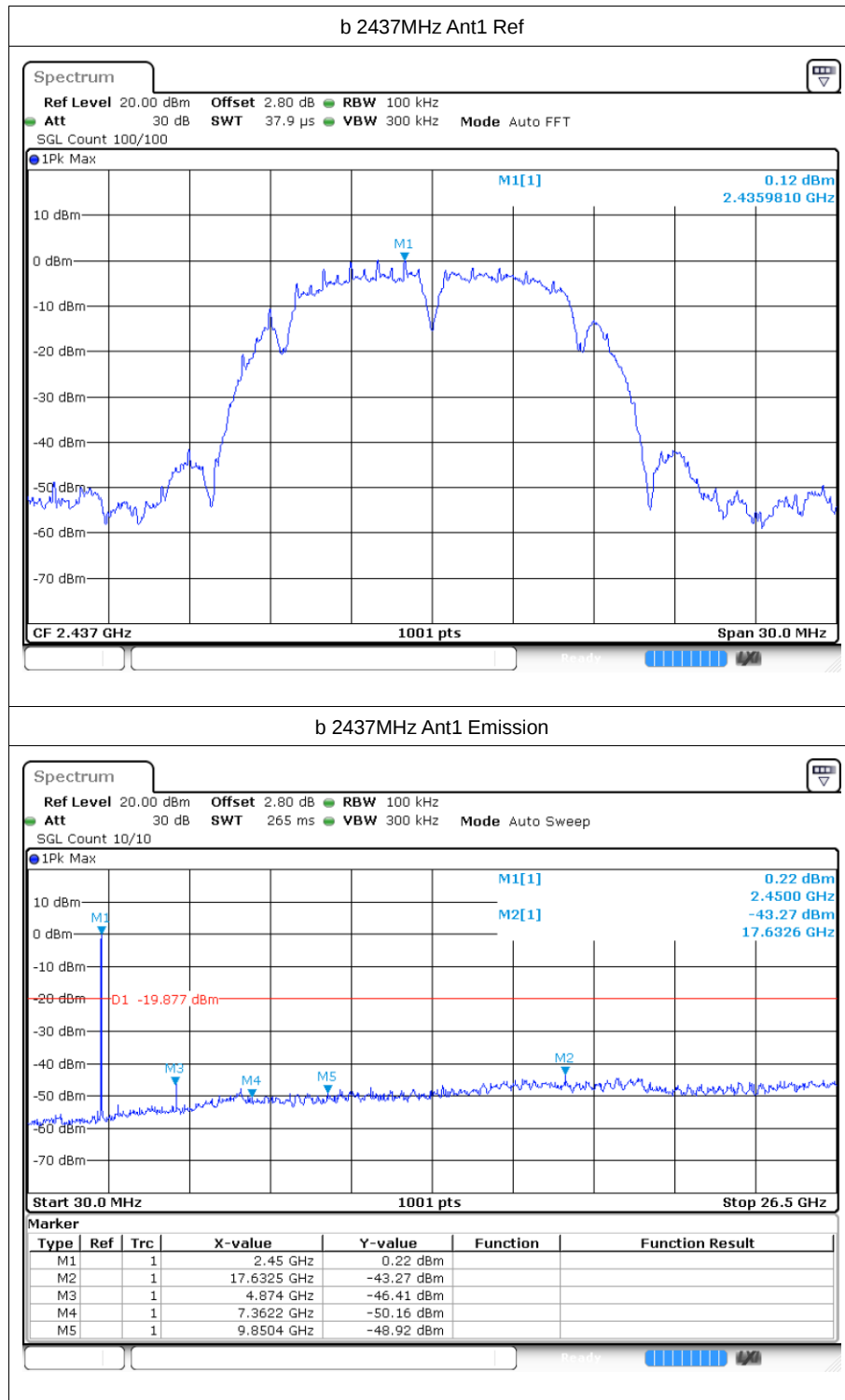
6 Conducted RF Spurious Emission

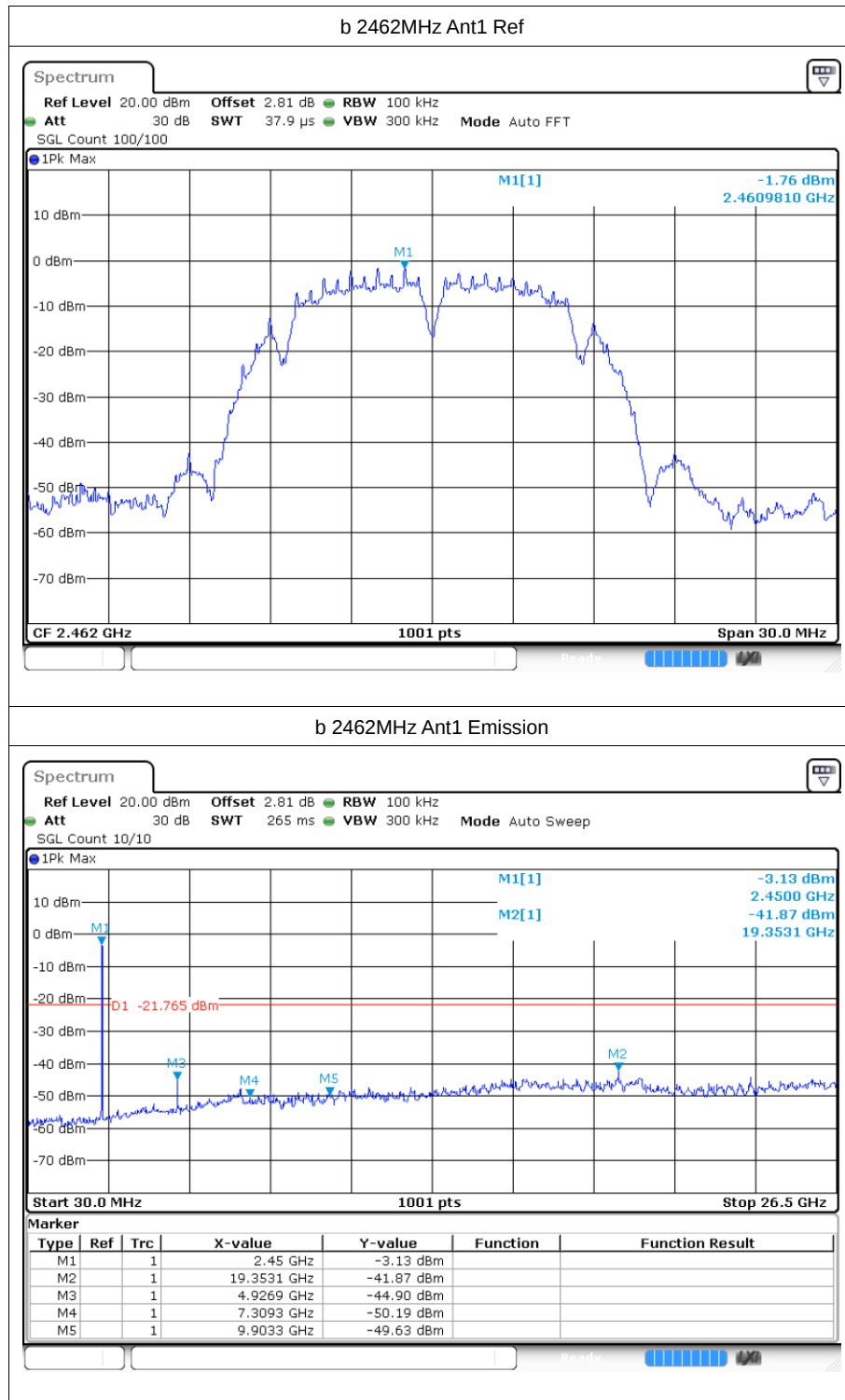
6.1 Test Result

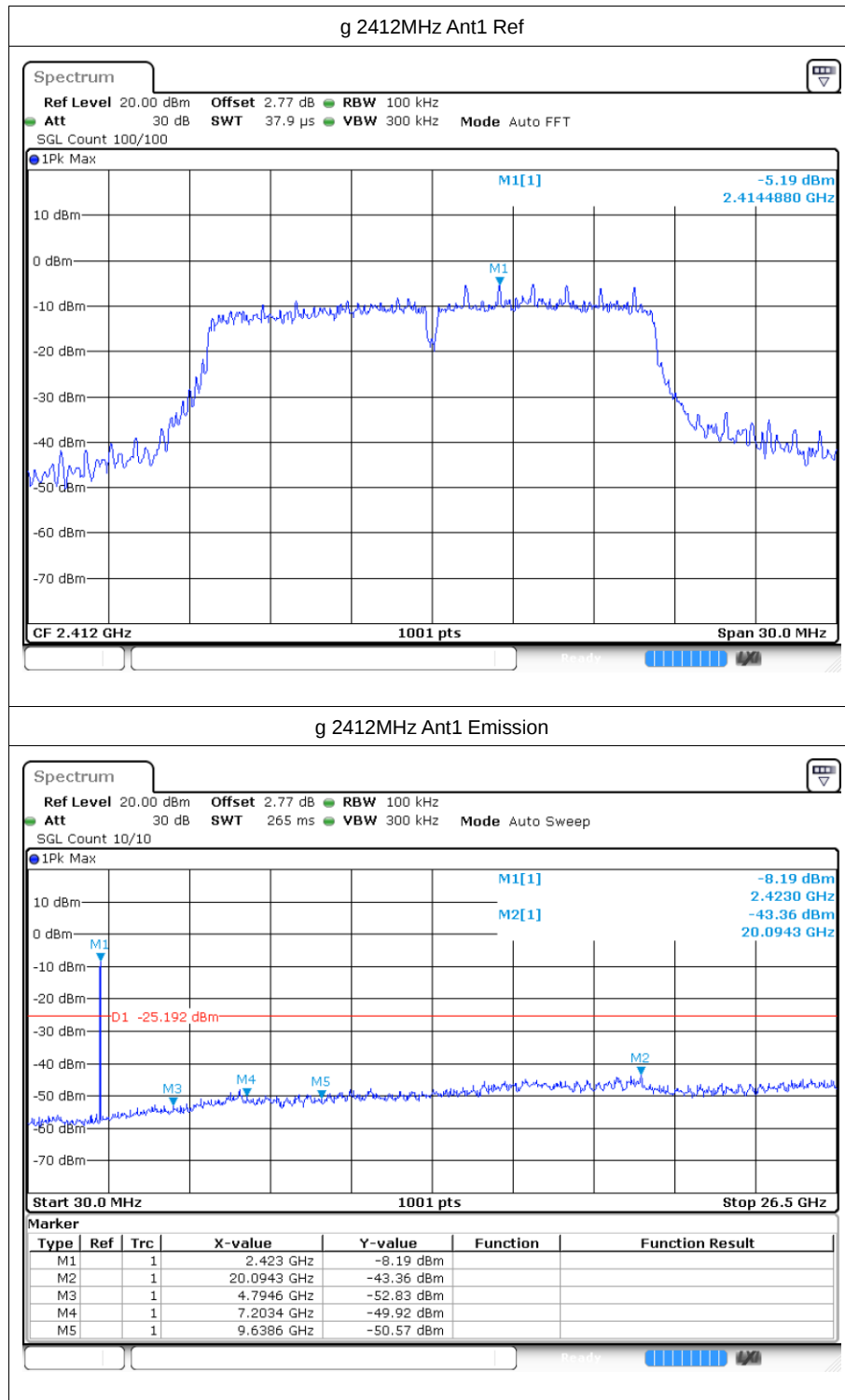
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-39.93	-20	Pass
b	2437	Ant1	-43.38	-20	Pass
b	2462	Ant1	-40.1	-20	Pass
g	2412	Ant1	-38.16	-20	Pass
g	2437	Ant1	-39.73	-20	Pass
g	2462	Ant1	-35.84	-20	Pass
n20	2412	Ant1	-37.33	-20	Pass
n20	2437	Ant1	-36.65	-20	Pass
n20	2462	Ant1	-33.92	-20	Pass
n40	2422	Ant1	-33.55	-20	Pass
n40	2437	Ant1	-38.78	-20	Pass
n40	2452	Ant1	-39.65	-20	Pass

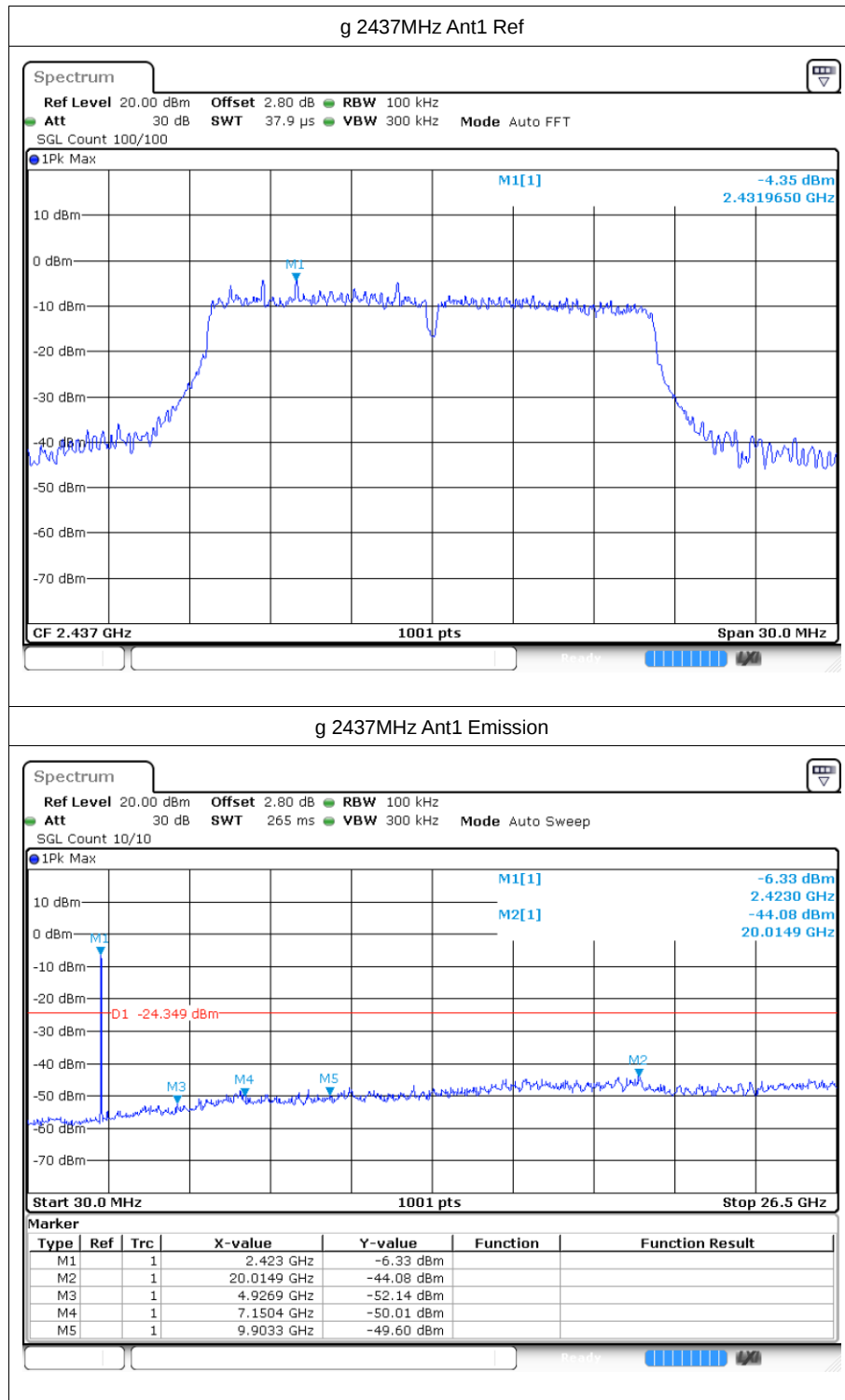
6.2 Test Graphs

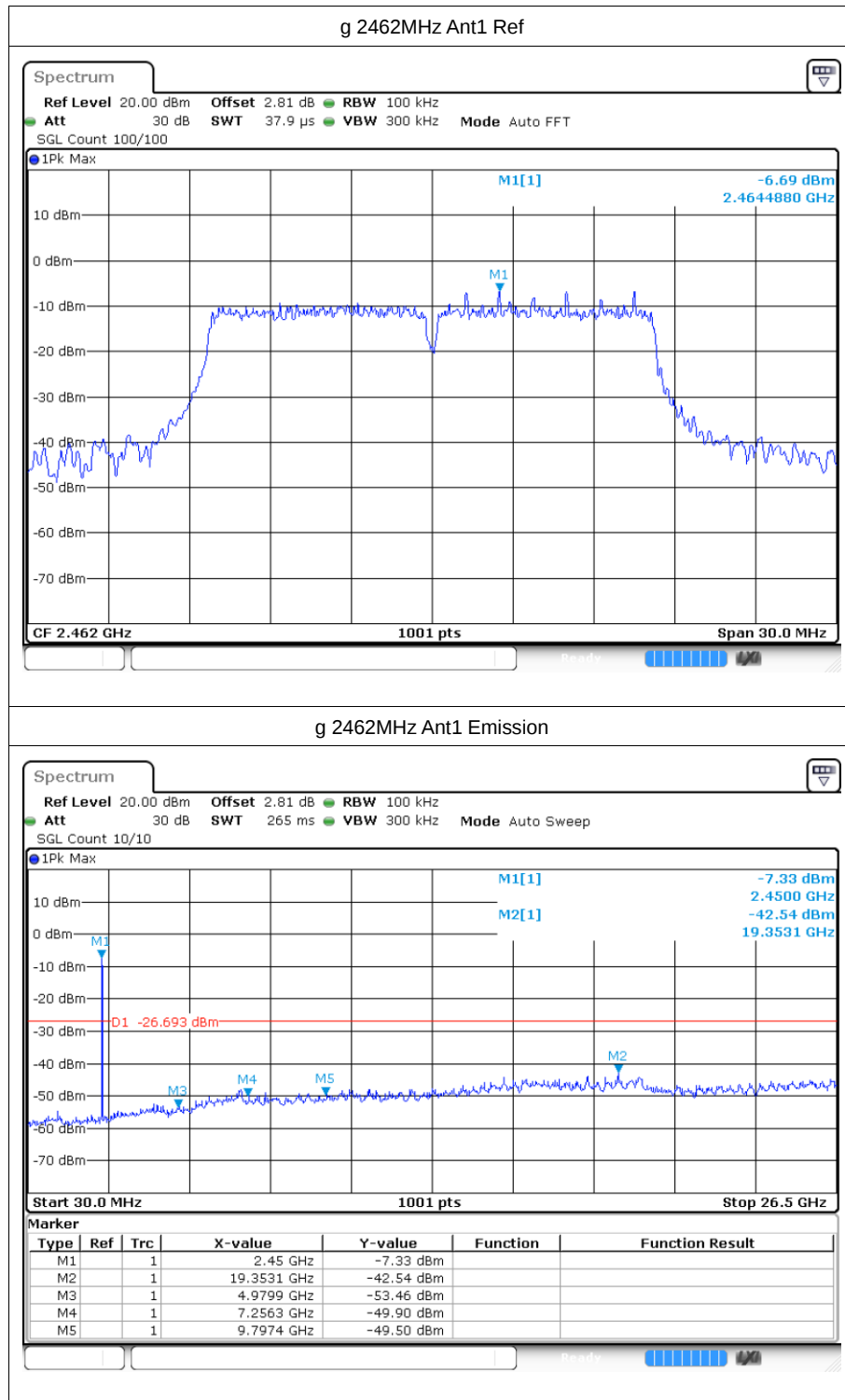


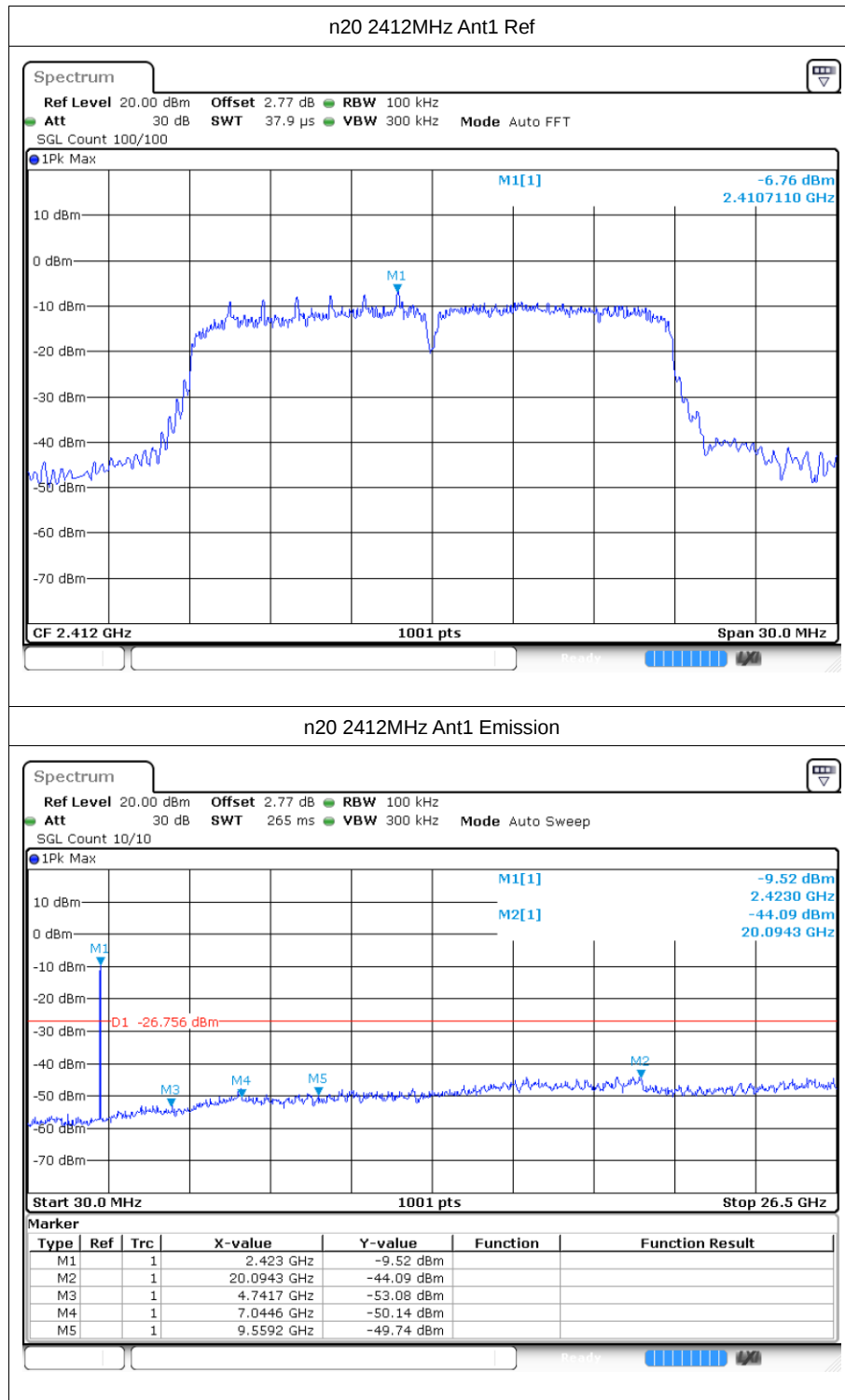


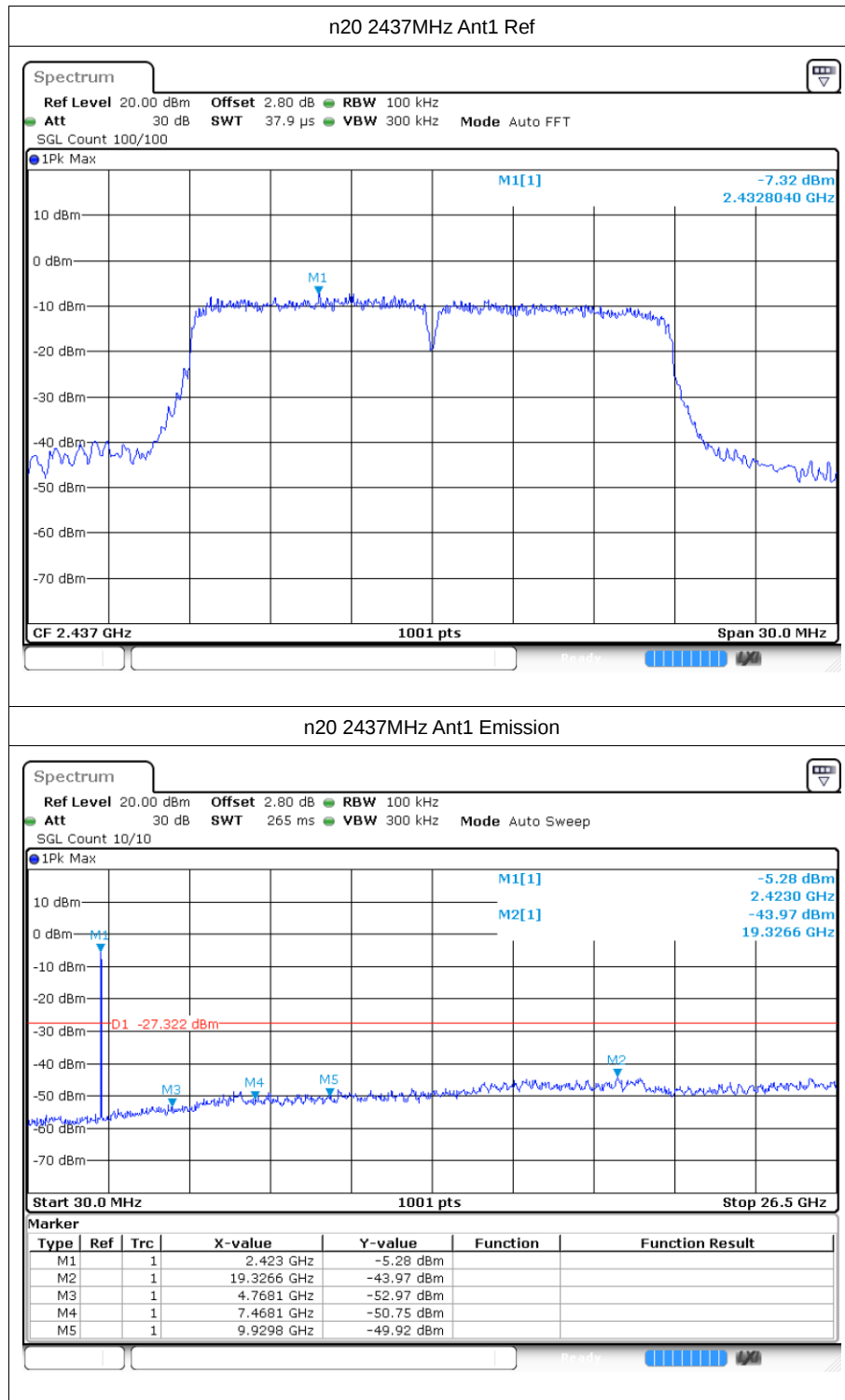


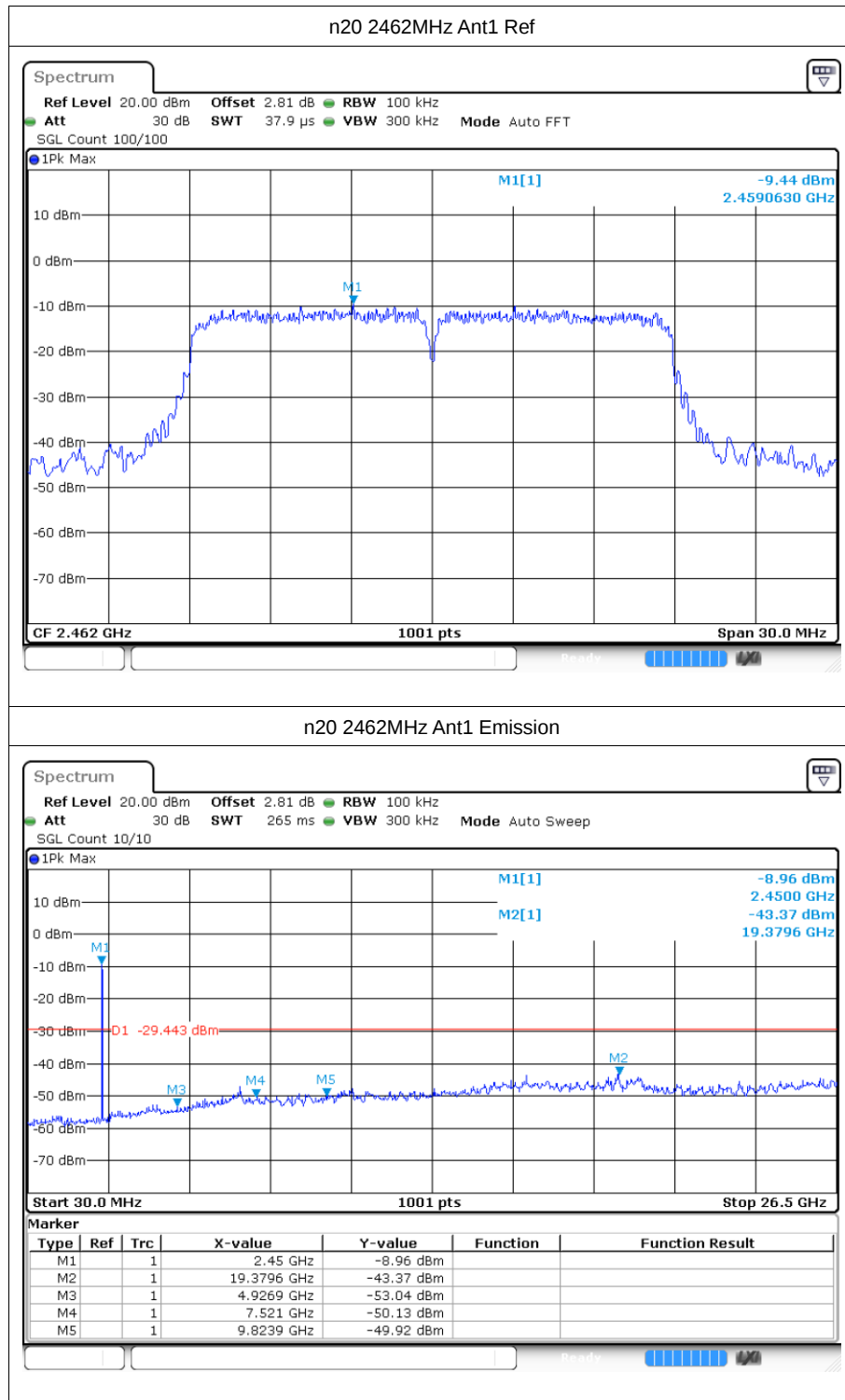


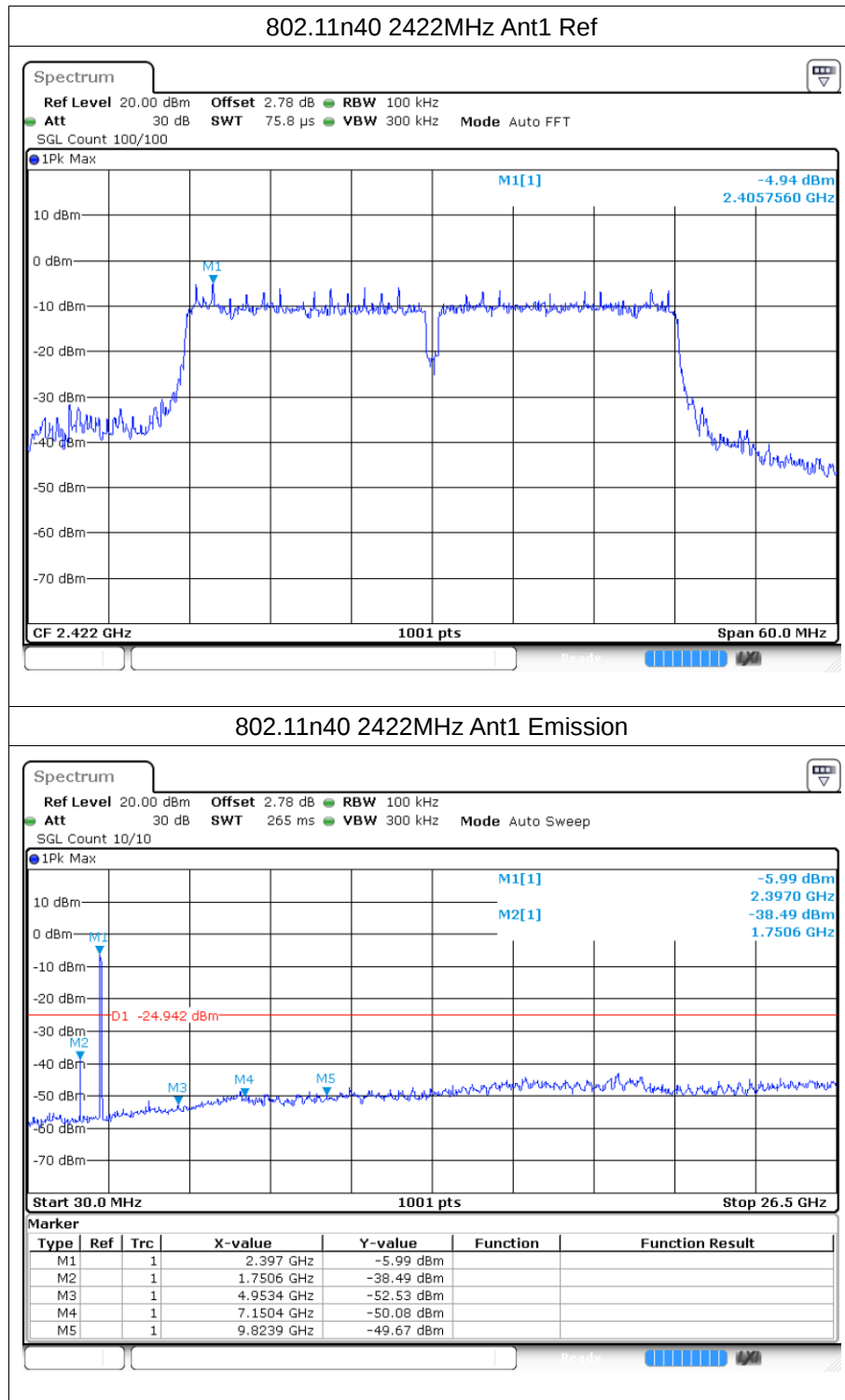


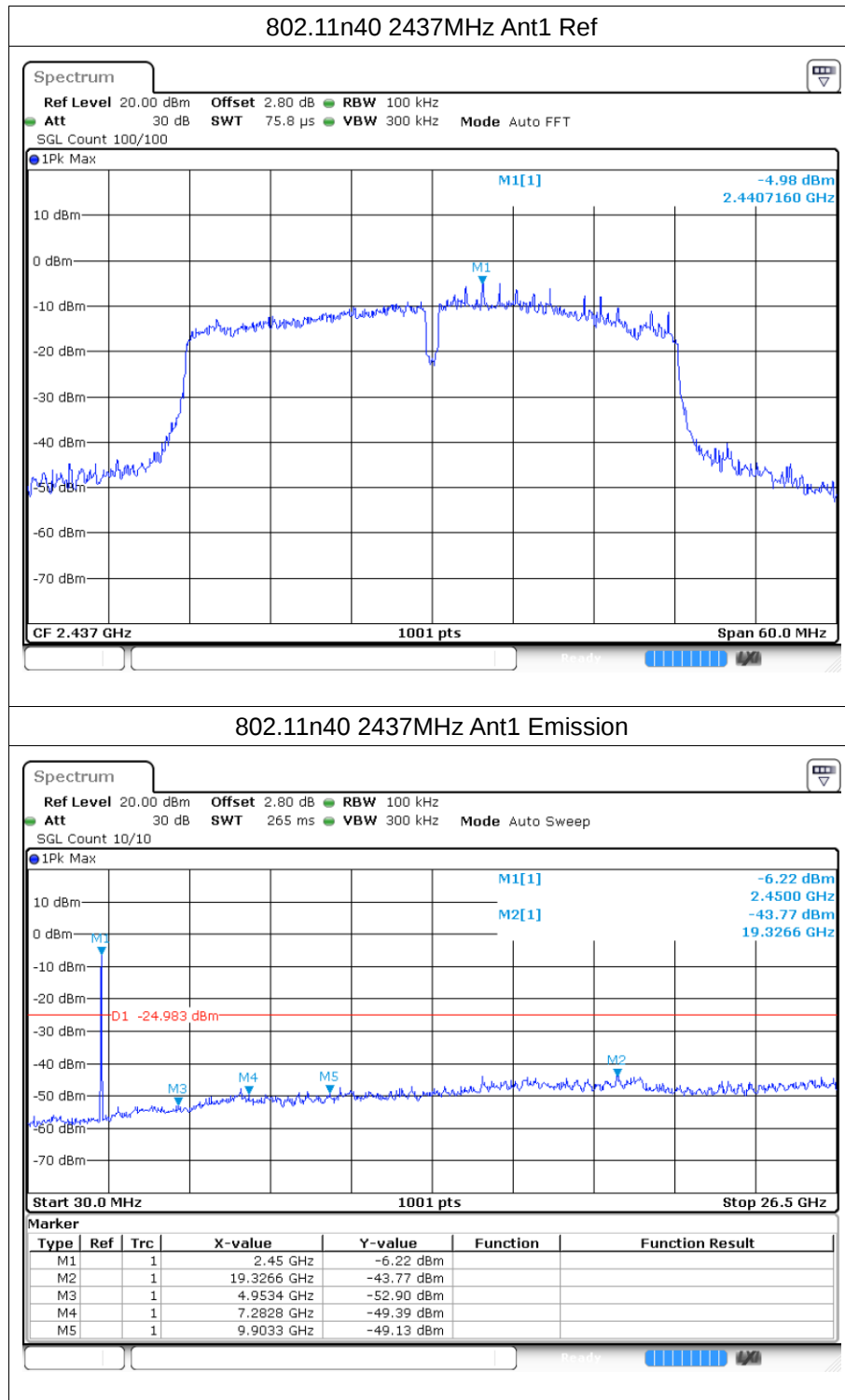


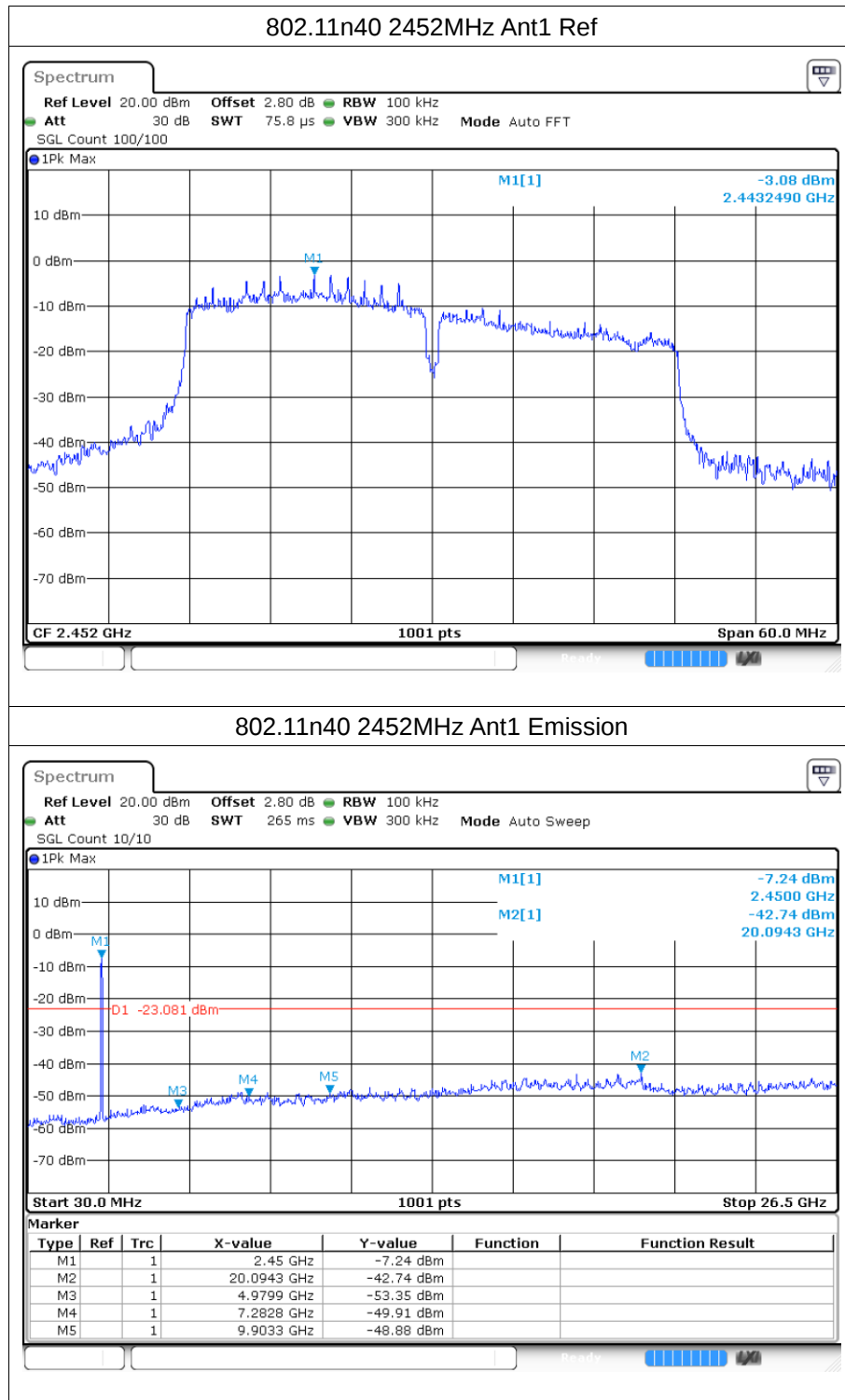














7 Restrict Band

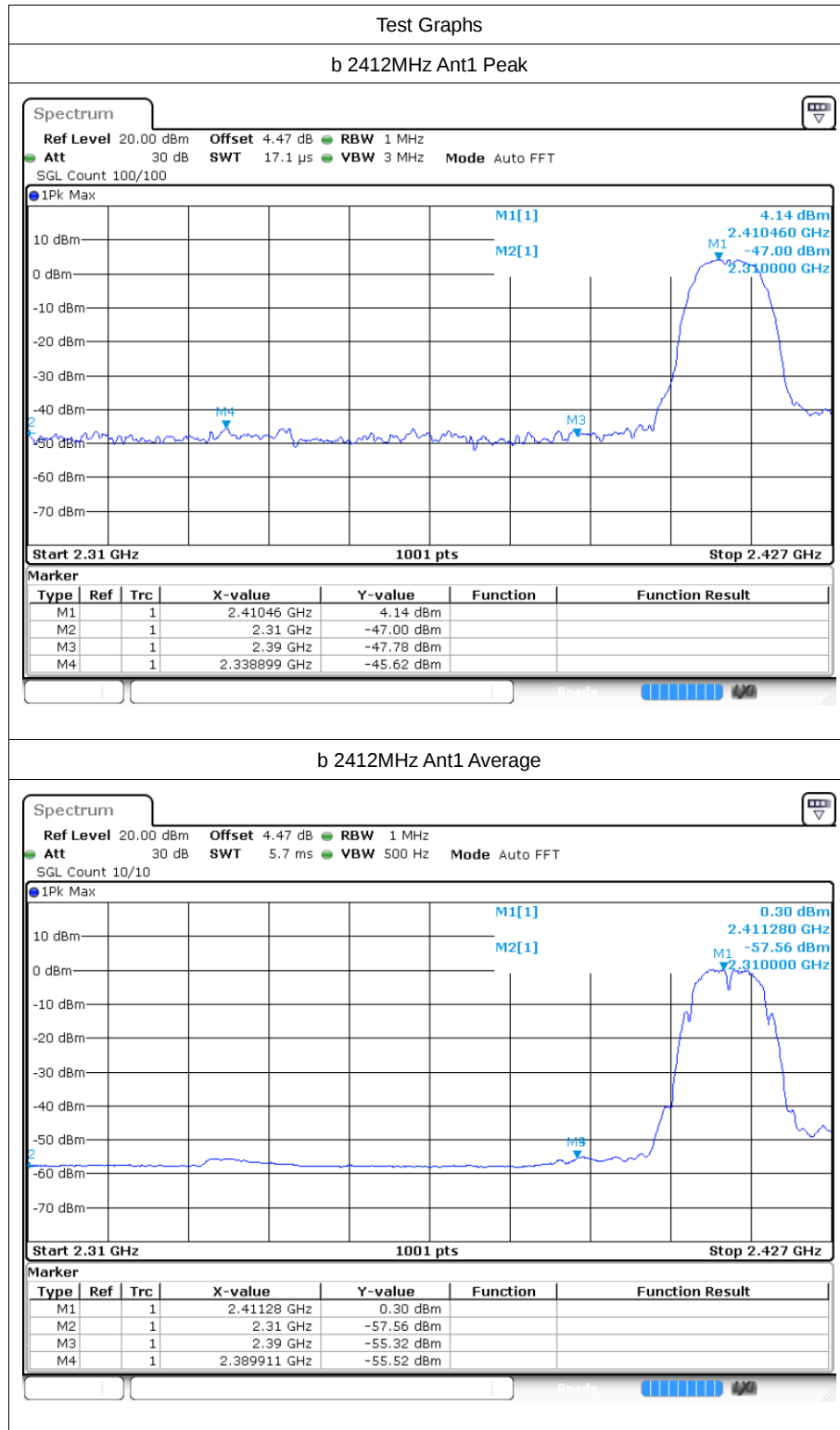
7.1 Test Result

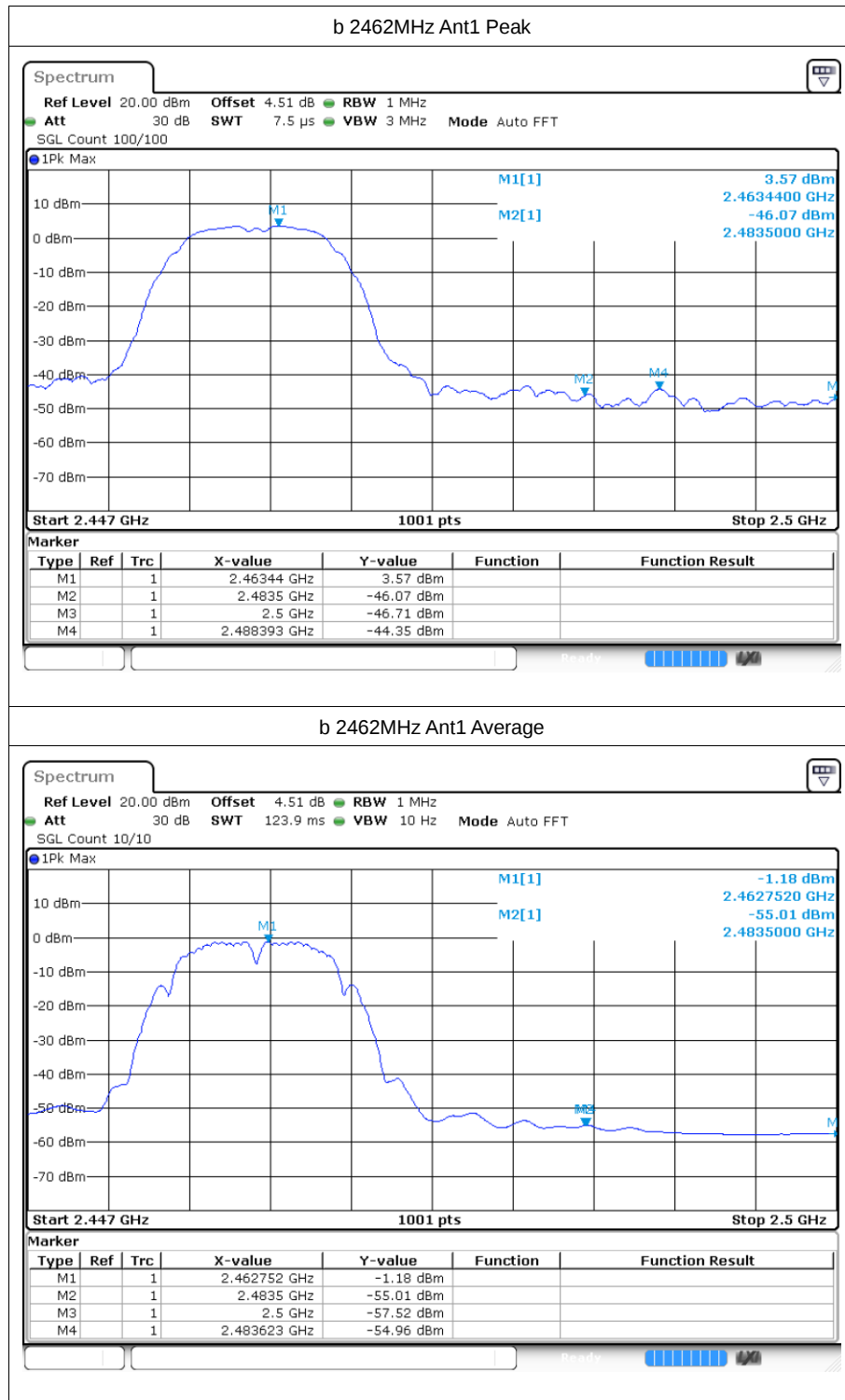
Mode	Frequency (MHz)	Ant	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-47	2	50.26	Peak	74	Pass
b	2412	Ant1	2310	-57.55	2	39.71	Average	54	Pass
b	2412	Ant1	2338.899	-45.61	2	51.65	Peak	74	Pass
b	2412	Ant1	2389.911	-55.51	2	41.75	Average	54	Pass
b	2412	Ant1	2390	-47.77	2	49.49	Peak	74	Pass
b	2412	Ant1	2390	-55.32	2	41.94	Average	54	Pass
b	2462	Ant1	2483.5	-46.06	2	51.2	Peak	74	51.2
b	2462	Ant1	2483.5	-55.01	2	42.25	Average	54	Pass
b	2462	Ant1	2488.393	-44.34	2	52.92	Peak	74	Pass
b	2462	Ant1	2483.623	-54.96	2	42.3	Average	54	Pass
b	2462	Ant1	2500	-46.7	2	50.56	Peak	74	Pass
b	2462	Ant1	2500	-57.52	2	39.74	Average	54	Pass
g	2412	Ant1	2310	-49.15	2	48.11	Peak	74	Pass
g	2412	Ant1	2310	-57.23	2	40.03	Average	54	Pass
g	2412	Ant1	2389.677	-43.7	2	53.56	Peak	74	Pass
g	2412	Ant1	2337.261	-55.23	2	42.03	Average	54	Pass
g	2412	Ant1	2390	-45.27	2	49.49	Peak	74	Pass
g	2412	Ant1	2390	-56.09	2	41.17	Average	54	Pass
g	2462	Ant1	2483.5	-37.49	2	59.77	Peak	74	Pass
g	2462	Ant1	2483.5	-54.89	2	42.37	Average	54	Pass
g	2462	Ant1	2488.393	-37.49	2	59.77	Peak	74	Pass
g	2462	Ant1	2483.57	-54.88	2	42.38	Average	54	Pass
g	2462	Ant1	2500	-44.63	2	50.56	Peak	74	Pass
g	2462	Ant1	2500	-56.97	2	40.29	Average	54	Pass
n20	2412	Ant1	2310	-48.04	2	49.22	Peak	74	Pass
n20	2412	Ant1	2310	-57.18	2	40.08	Average	54	Pass
n20	2412	Ant1	2389.794	-39.87	2	57.39	Peak	74	Pass
n20	2412	Ant1	2337.378	-55.2	2	42.06	Average	54	Pass
n20	2412	Ant1	2390	-40.42	2	56.84	Peak	74	Pass
n20	2412	Ant1	2390	-56.13	2	41.13	Average	54	Pass
n20	2462	Ant1	2483.5	-43.59	2	53.67	Peak	74	Pass
n20	2462	Ant1	2483.5	-55.32	2	41.94	Average	54	Pass
n20	2462	Ant1	2483.517	-43.59	2	53.67	Peak	74	Pass

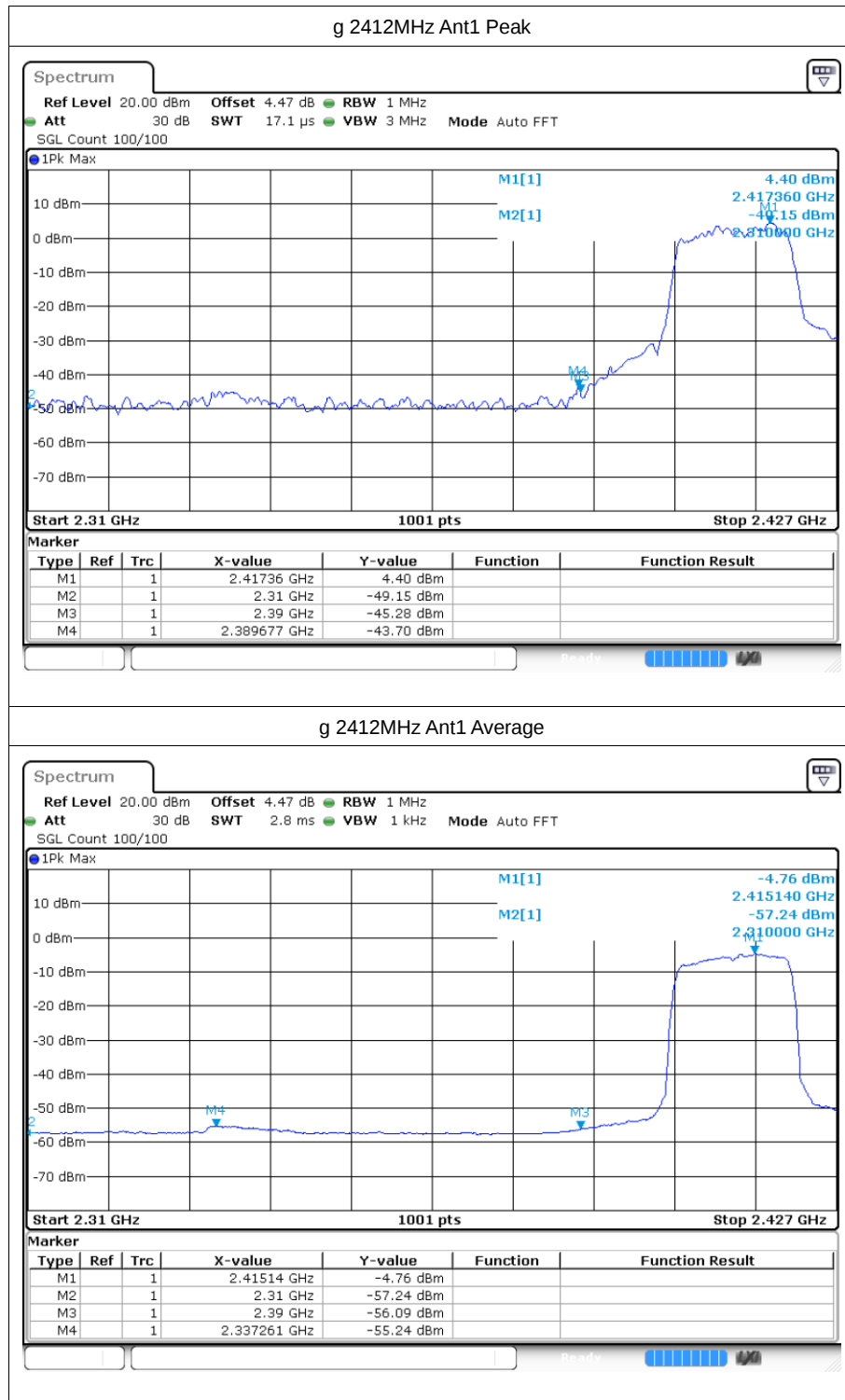


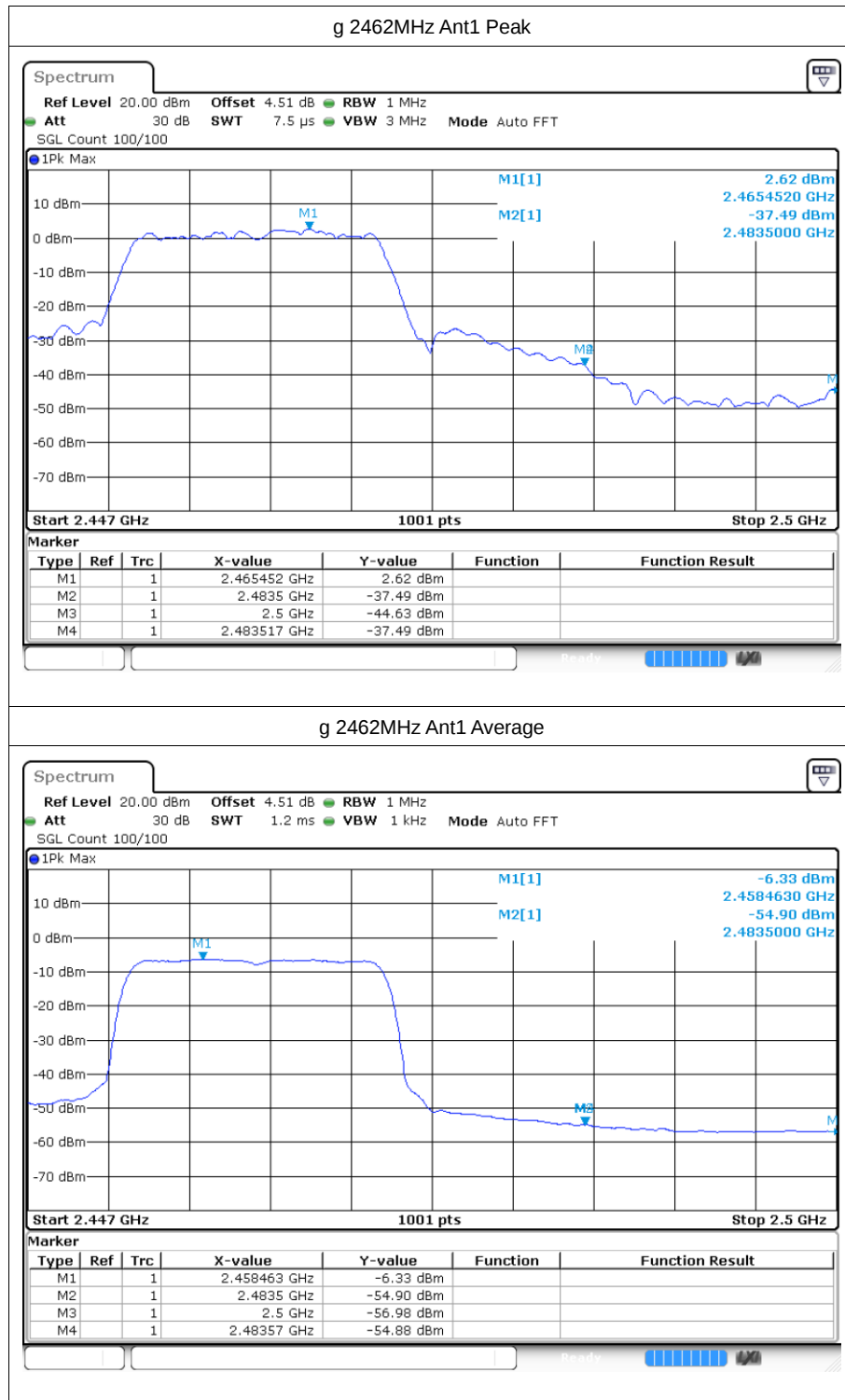
n20	2462	Ant1	2483.517	-55.32	2	41.94	Average	54	Pass
n20	2462	Ant1	2500	-46.48	2	50.78	Peak	74	Pass
n20	2462	Ant1	2500	-56.85	2	40.41	Average	54	Pass
n40	2422	Ant1	2310	-50.36	2	46.9	Peak	74	Pass
n40	2422	Ant1	2310	-58.25	2	39.01	Average	54	Pass
n40	2422	Ant1	2389.946	-33.95	2	63.31	Peak	74	Pass
n40	2422	Ant1	2389.946	-44.85	2	52.41	Average	54	Pass
n40	2422	Ant1	2390	-33.8	2	63.46	Peak	74	Pass
n40	2422	Ant1	2390	-44.57	2	52.69	Average	54	Pass
n40	2452	Ant1	2483.5	-35.88	2	61.38	Peak	74	Pass
n40	2452	Ant1	2483.5	-49.12	2	48.14	Average	54	Pass
n40	2452	Ant1	2483.932	-35	2	62.26	Peak	74	Pass
n40	2452	Ant1	2483.542	-49.12	2	48.14	Average	54	Pass
n40	2452	Ant1	2500	-49.93	2	47.33	Peak	74	Pass
n40	2452	Ant1	2500	-58.15	2	39.11	Average	54	Pass

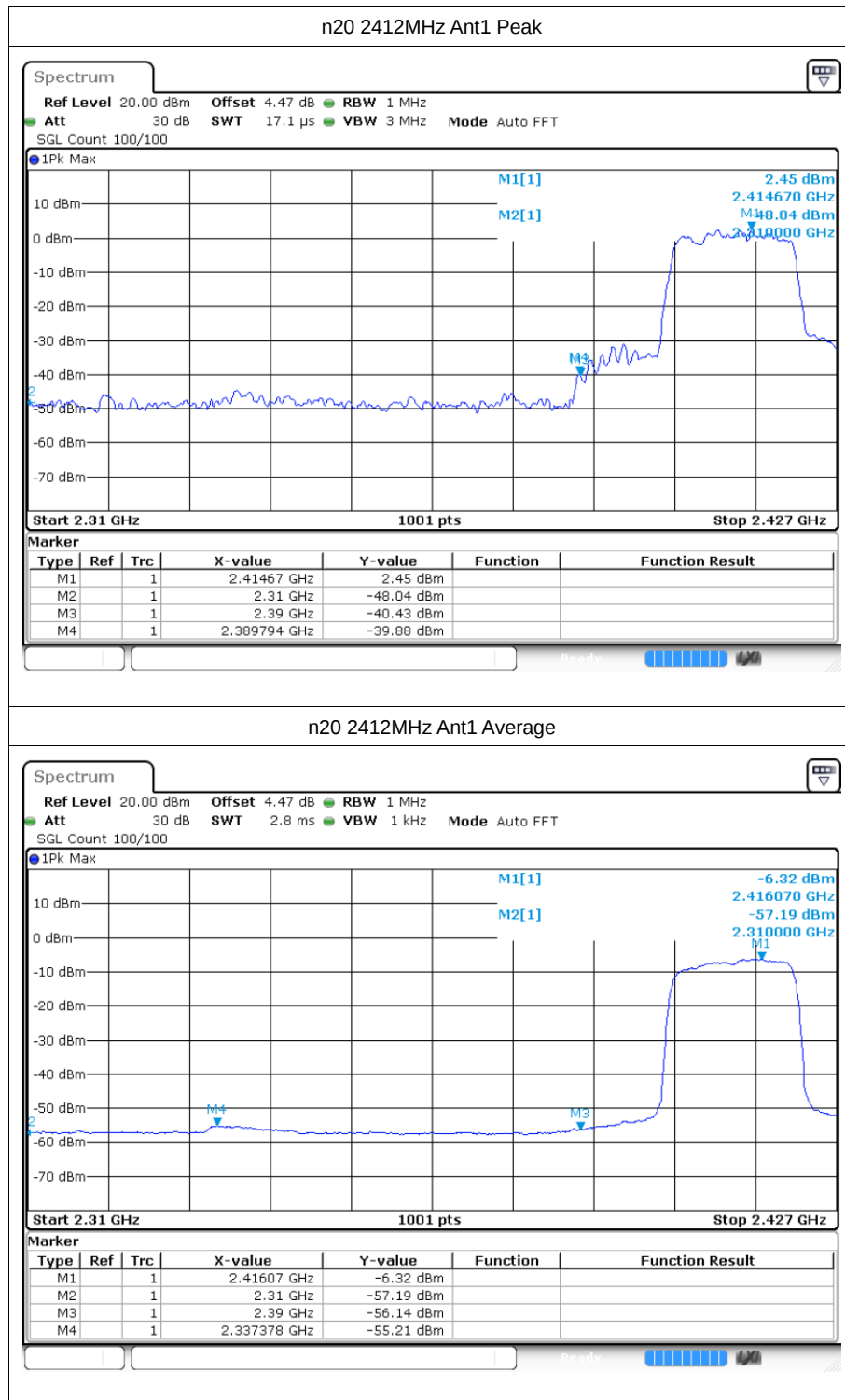
7.2 Test Graphs

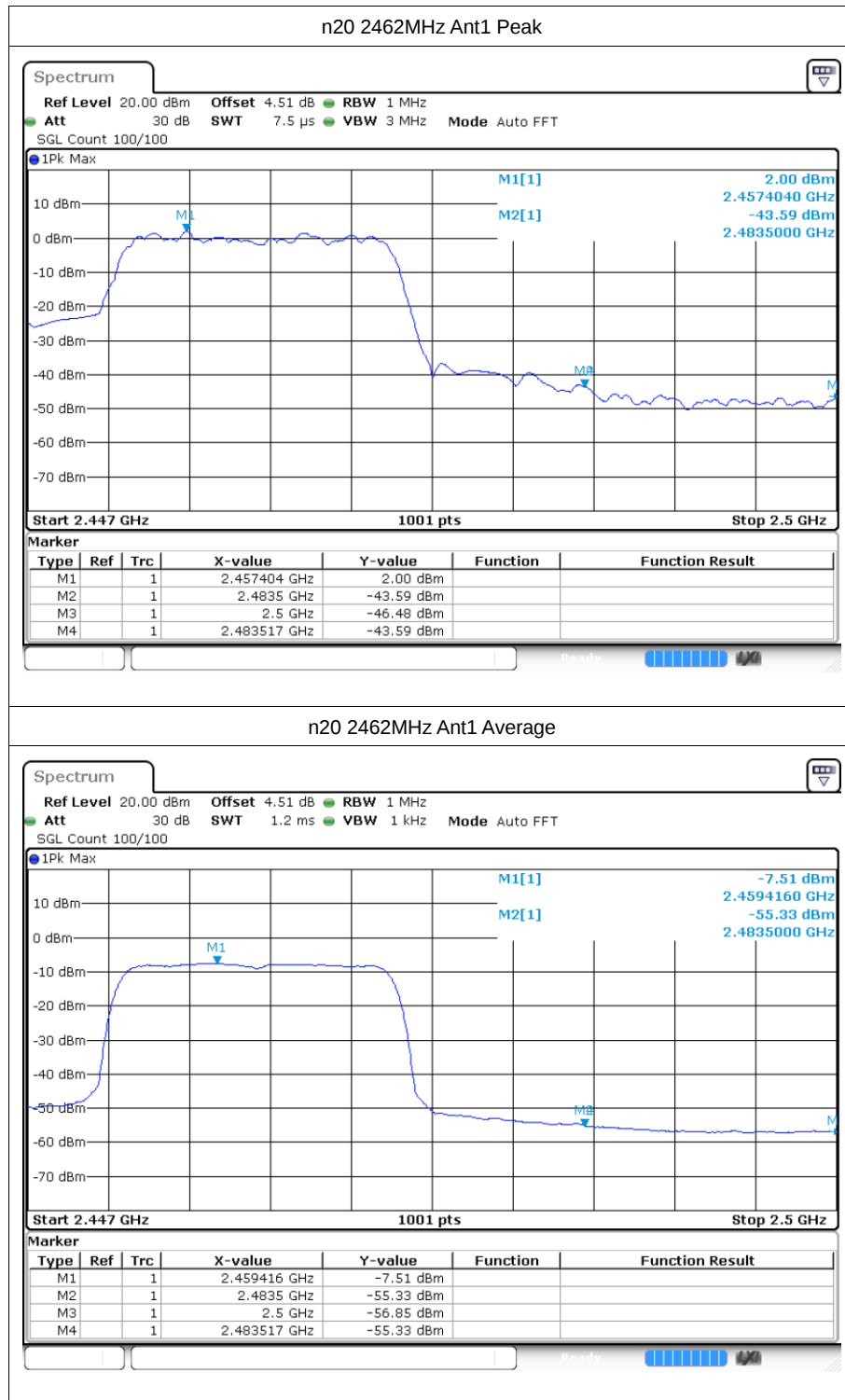


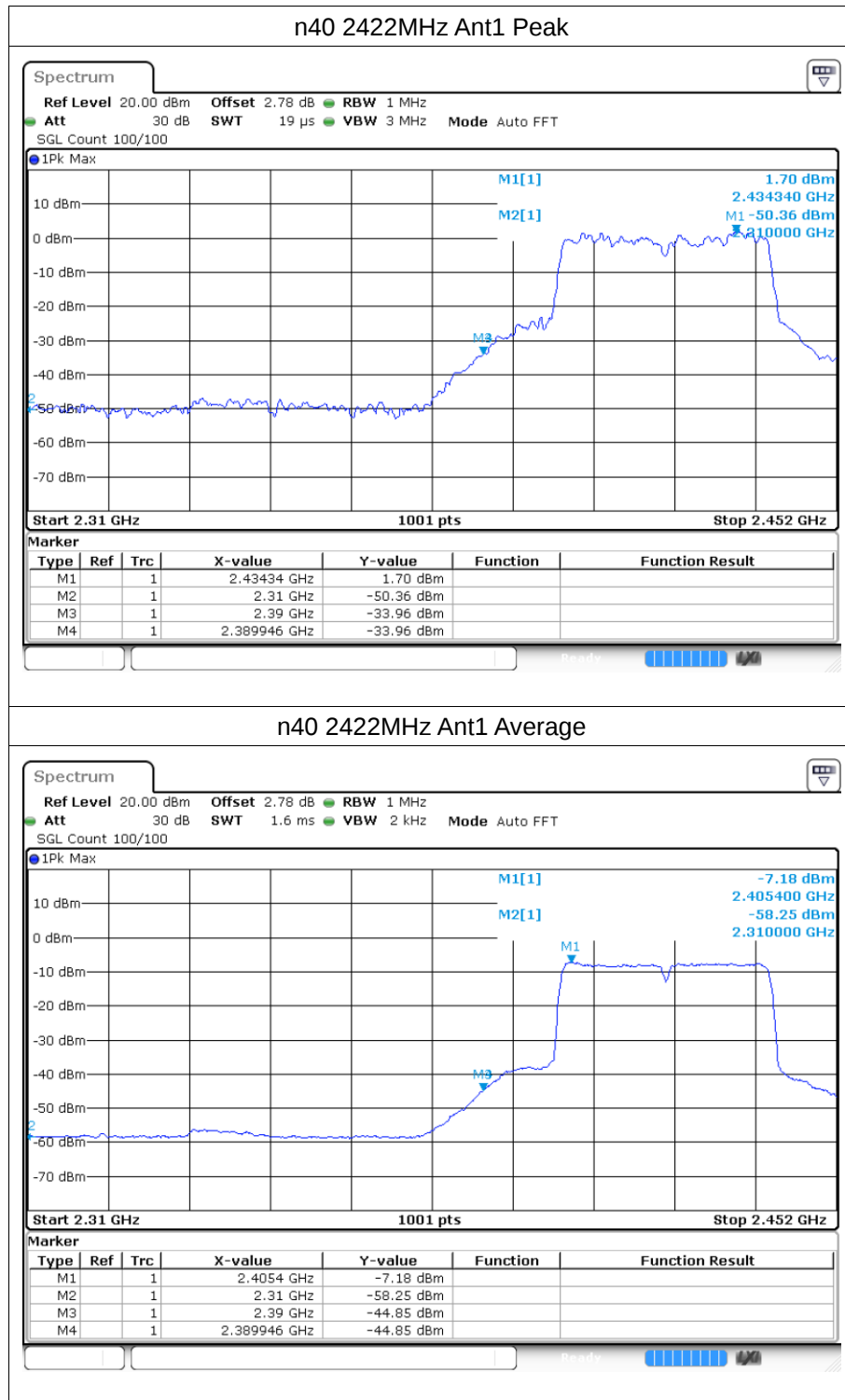


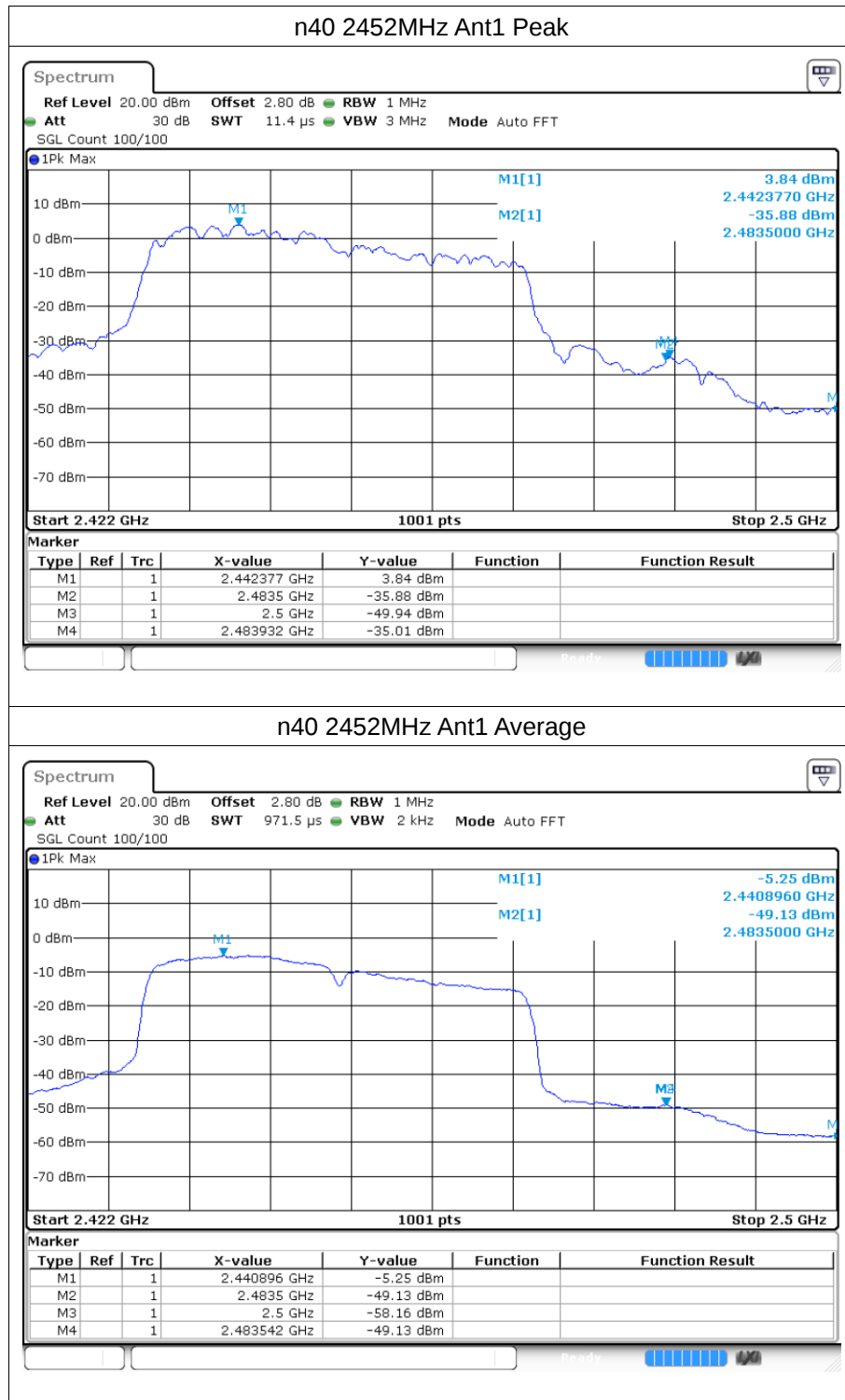












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