



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Trail Camera

Trade Mark: N/A

Test Model: PH960W

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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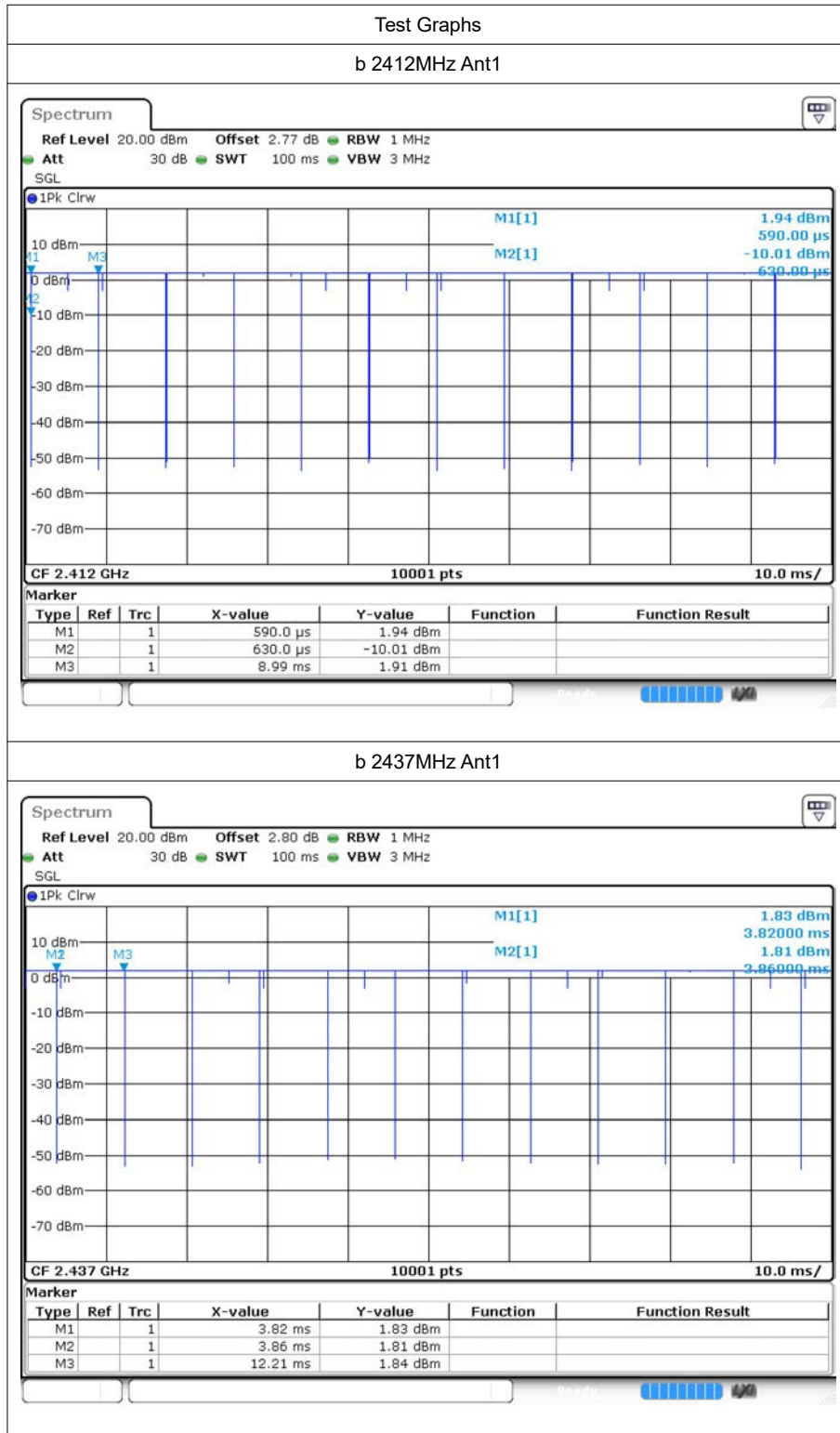


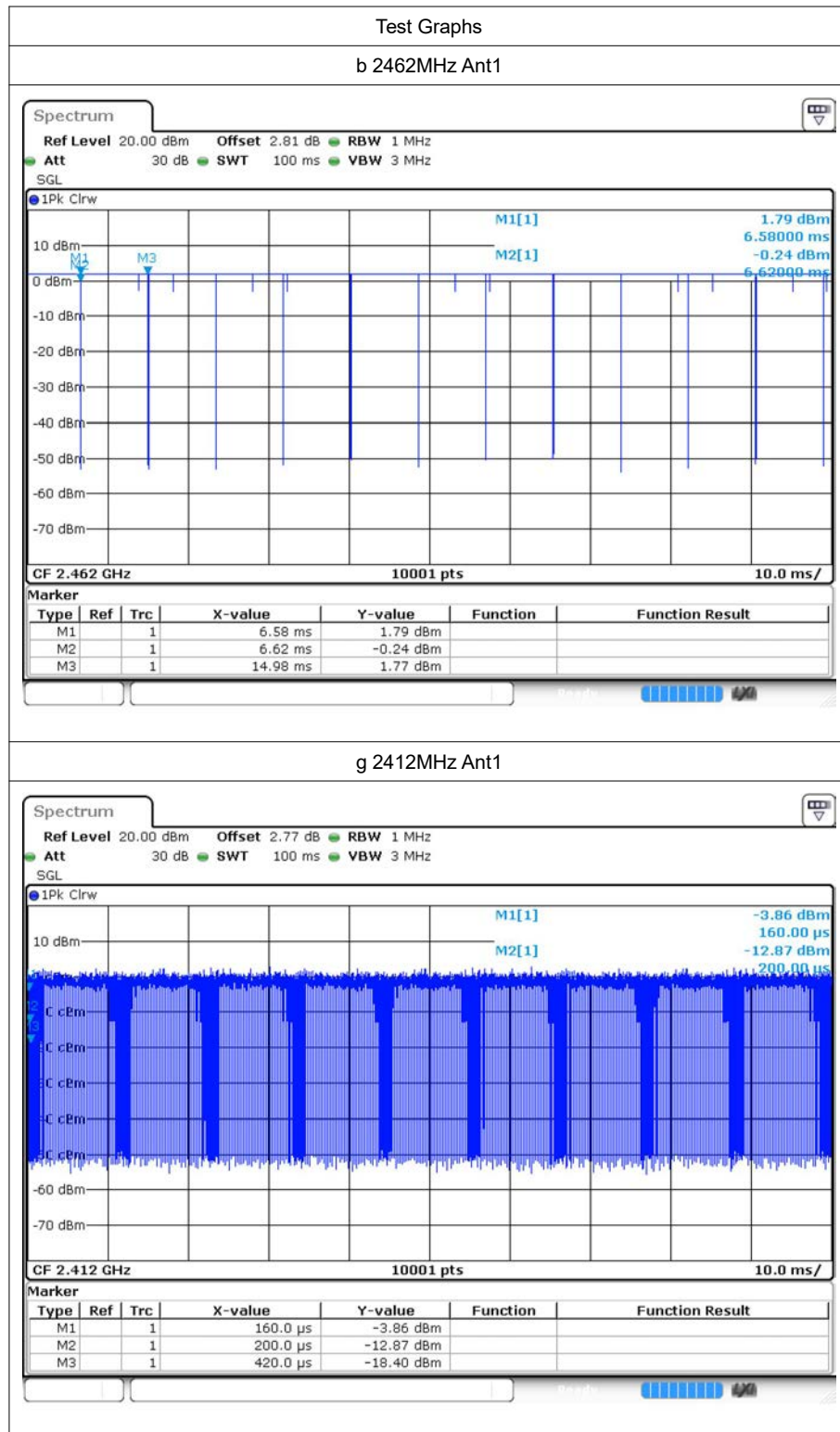
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	99.61	0.02	0.12
b	2437	Ant1	99.6	0.02	0.12
b	2462	Ant1	99.61	0.02	0.12
g	2412	Ant1	86.93	0.61	4.55
g	2437	Ant1	86.59	0.63	4.76
g	2462	Ant1	86.86	0.61	4.76
n20	2412	Ant1	87.57	0.58	4.35
n20	2437	Ant1	87.56	0.58	4.35
n20	2462	Ant1	87.54	0.58	4.35

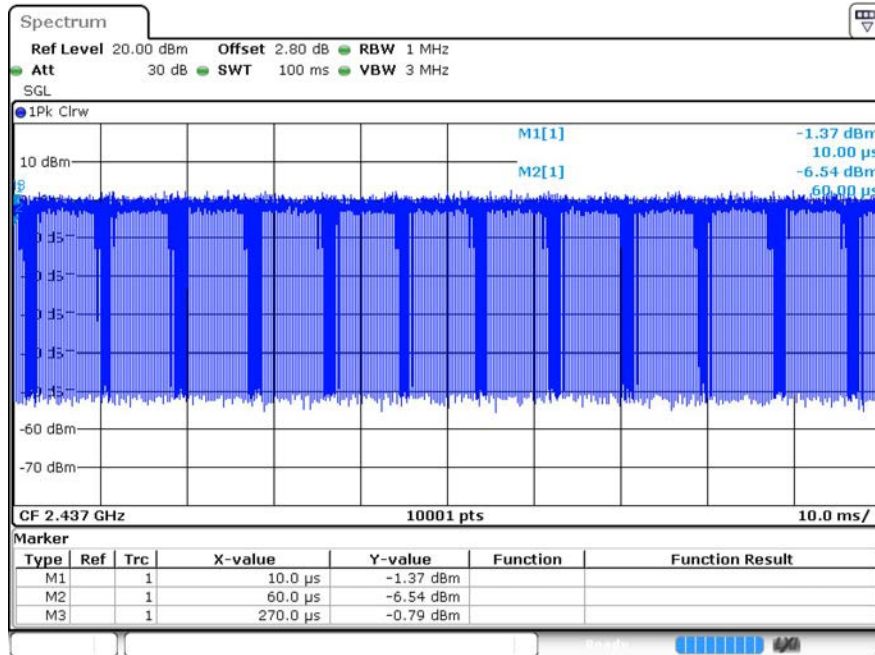
1.2 Test Graphs





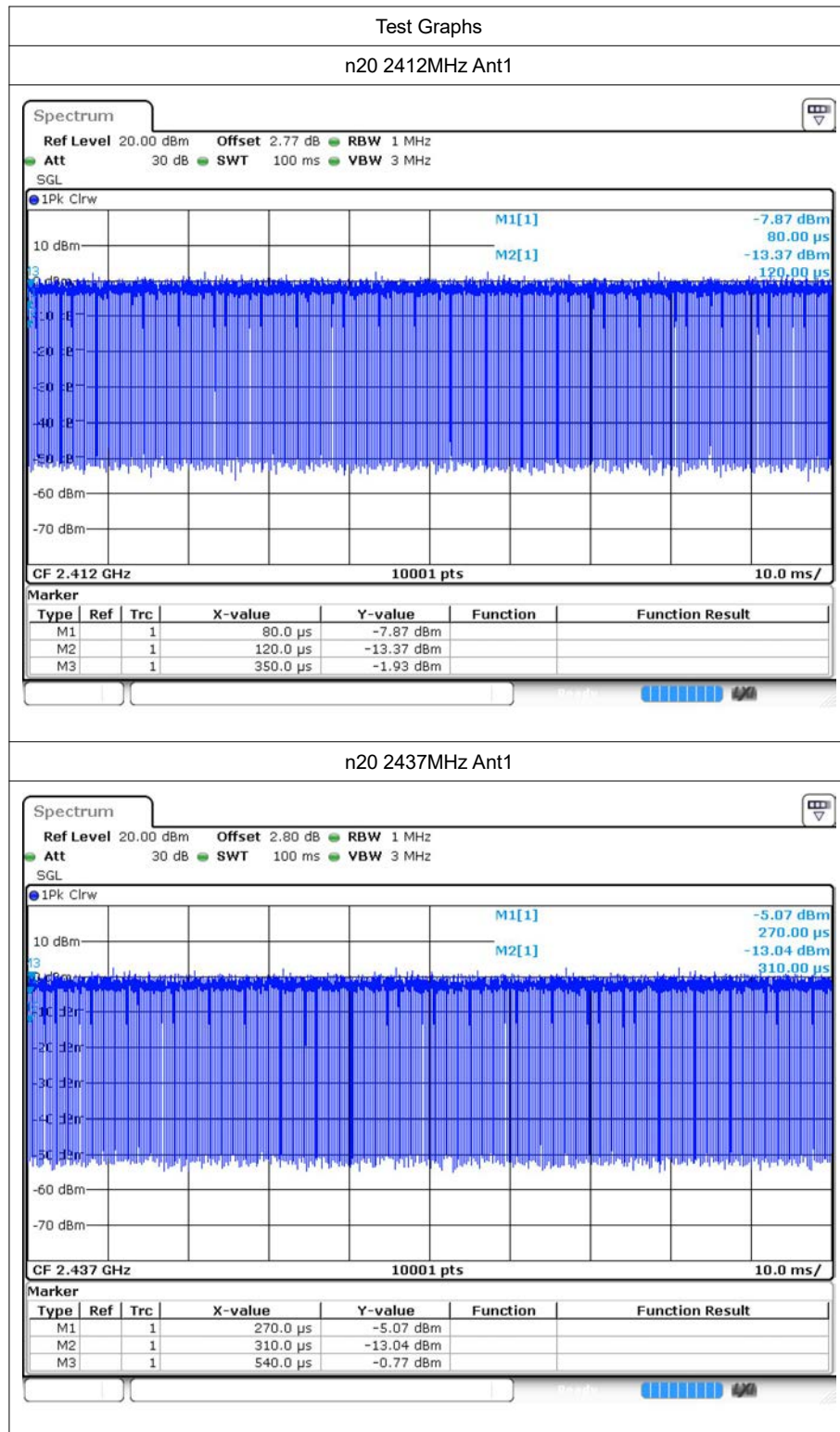
Test Graphs

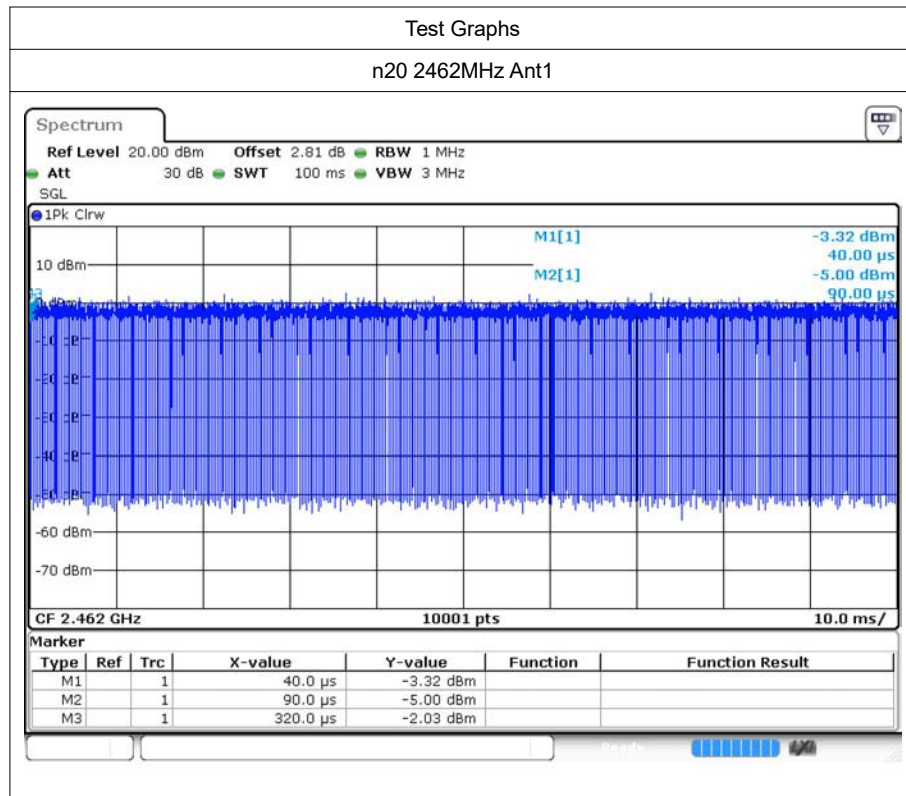
g 2437MHz Ant1



g 2462MHz Ant1









2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	8.45	30	Pass
b	2437	Ant1	8.32	30	Pass
b	2462	Ant1	8.36	30	Pass
g	2412	Ant1	8.42	30	Pass
g	2437	Ant1	8.40	30	Pass
g	2462	Ant1	8.46	30	Pass
n20	2412	Ant1	8.39	30	Pass
n20	2437	Ant1	8.29	30	Pass
n20	2462	Ant1	8.31	30	Pass

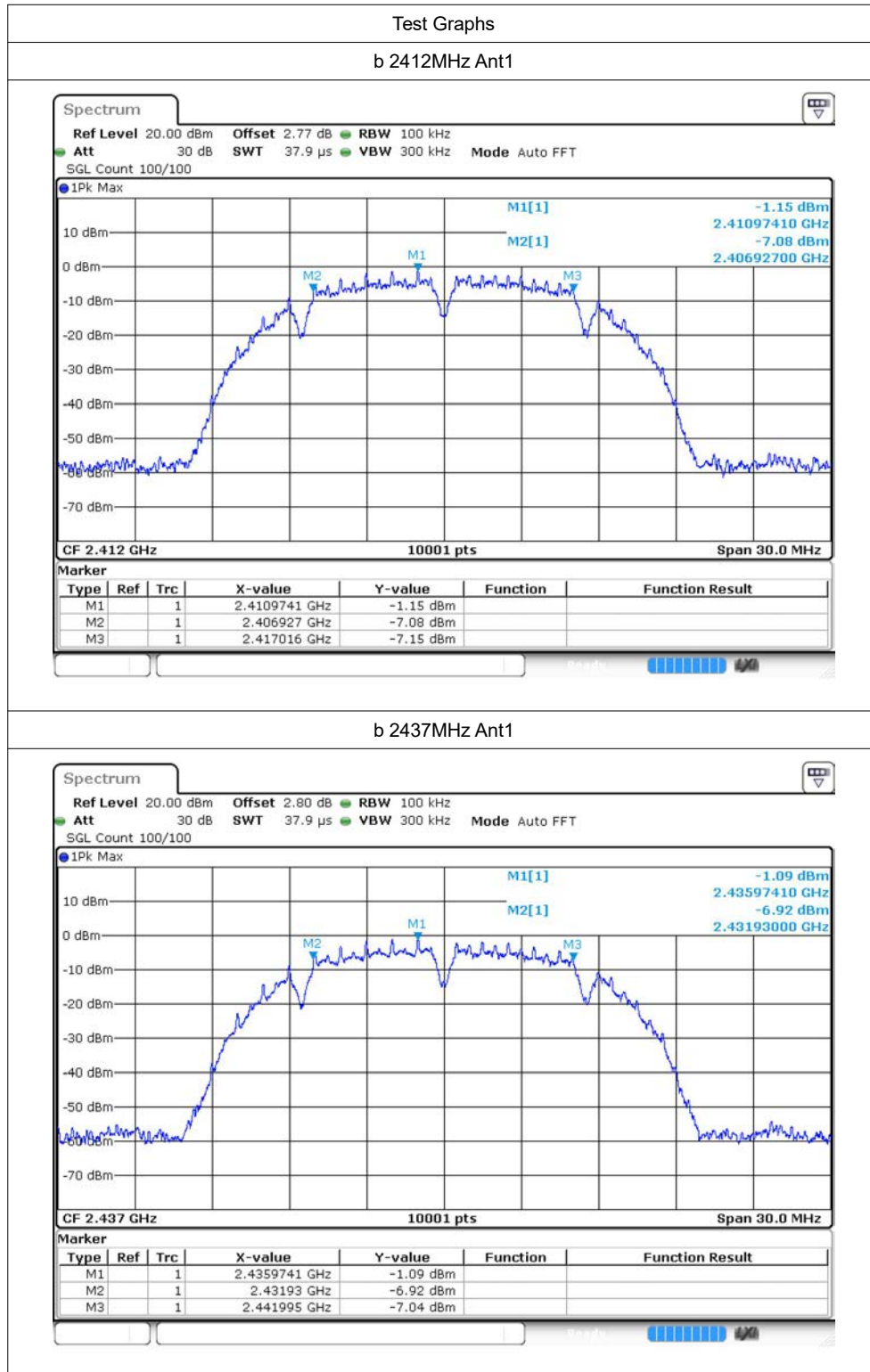


3 -6dB Bandwidth

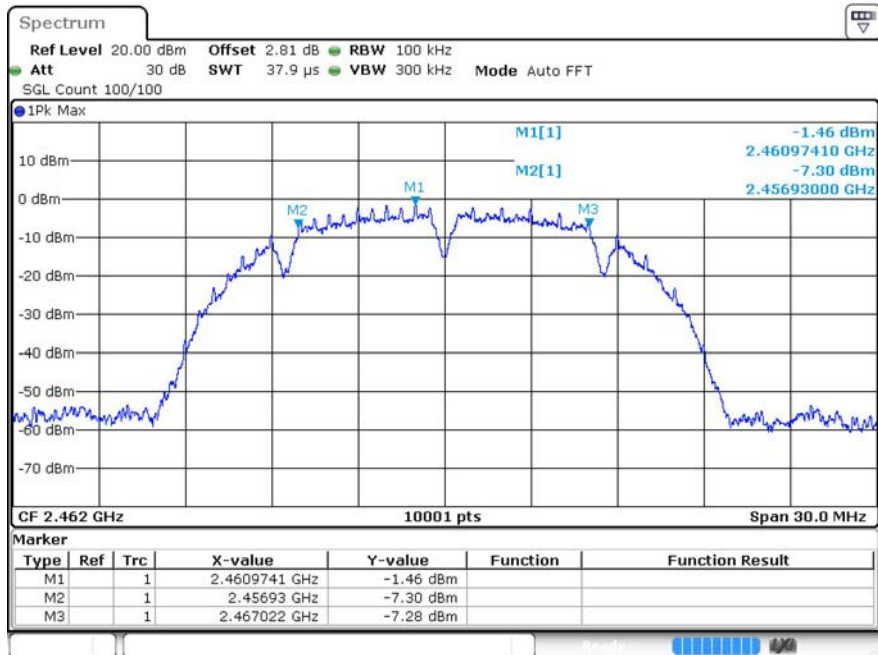
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.089	0.5	Pass
b	2437	Ant1	10.065	0.5	Pass
b	2462	Ant1	10.092	0.5	Pass
g	2412	Ant1	15.114	0.5	Pass
g	2437	Ant1	15.111	0.5	Pass
g	2462	Ant1	15.114	0.5	Pass
n20	2412	Ant1	15.111	0.5	Pass
n20	2437	Ant1	15.099	0.5	Pass
n20	2462	Ant1	15.123	0.5	Pass

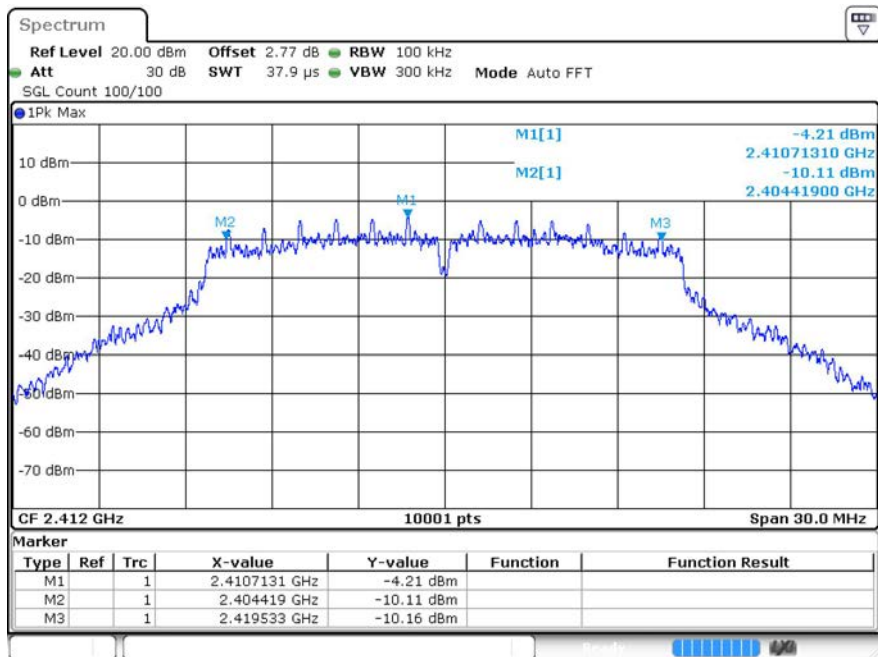
3.2 Test Graphs



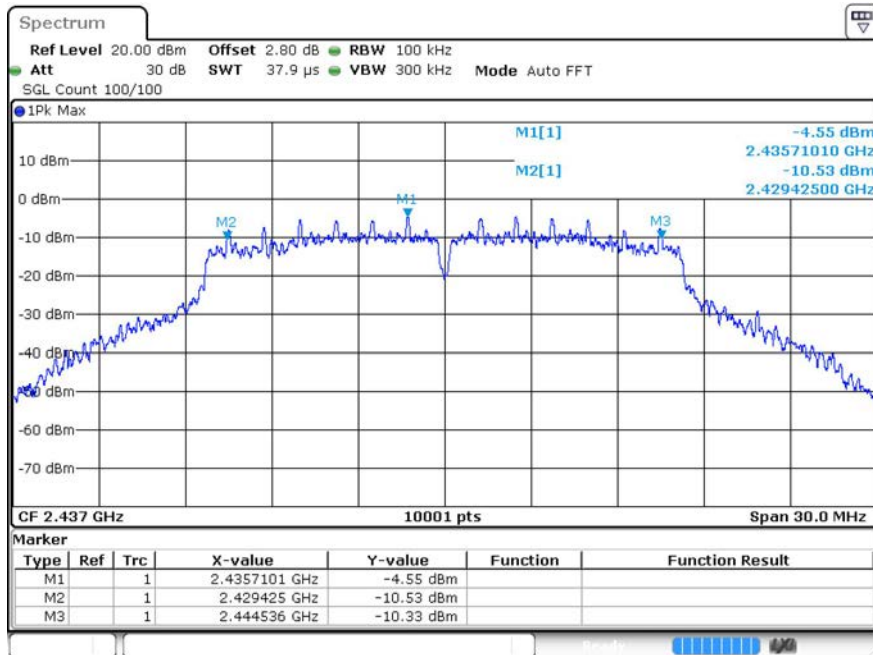
b 2462MHz Ant1



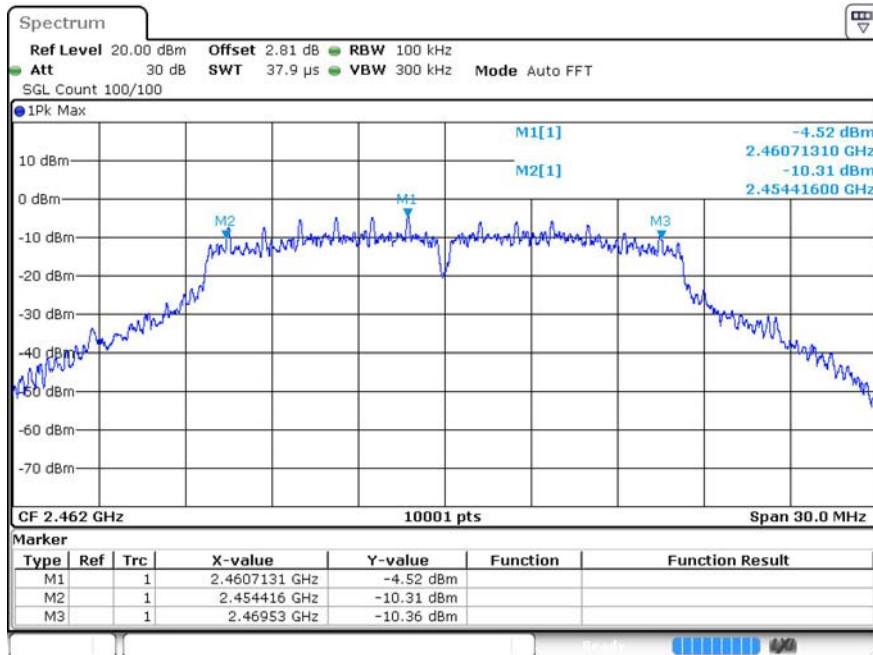
g 2412MHz Ant1



g 2437MHz Ant1

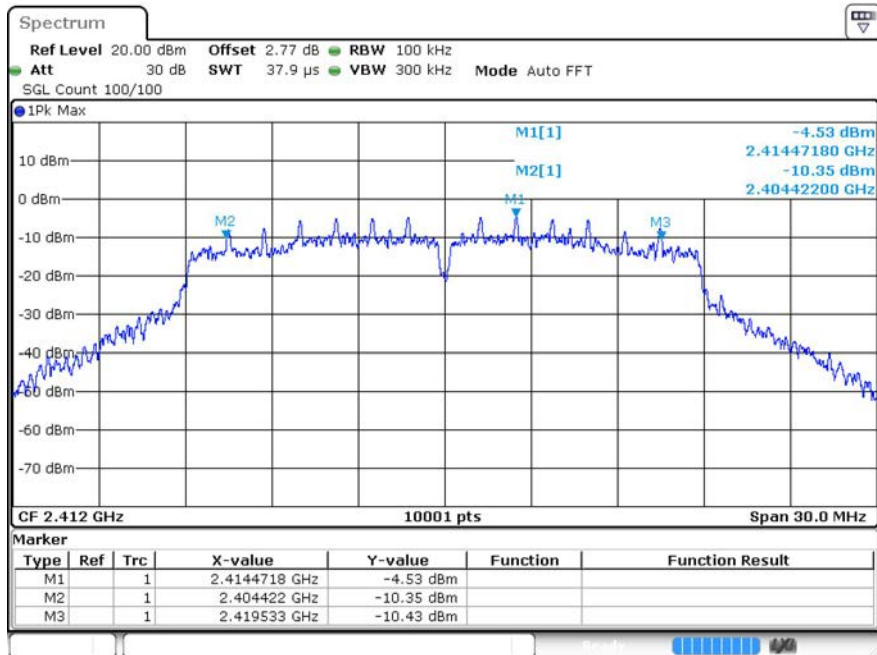


g 2462MHz Ant1

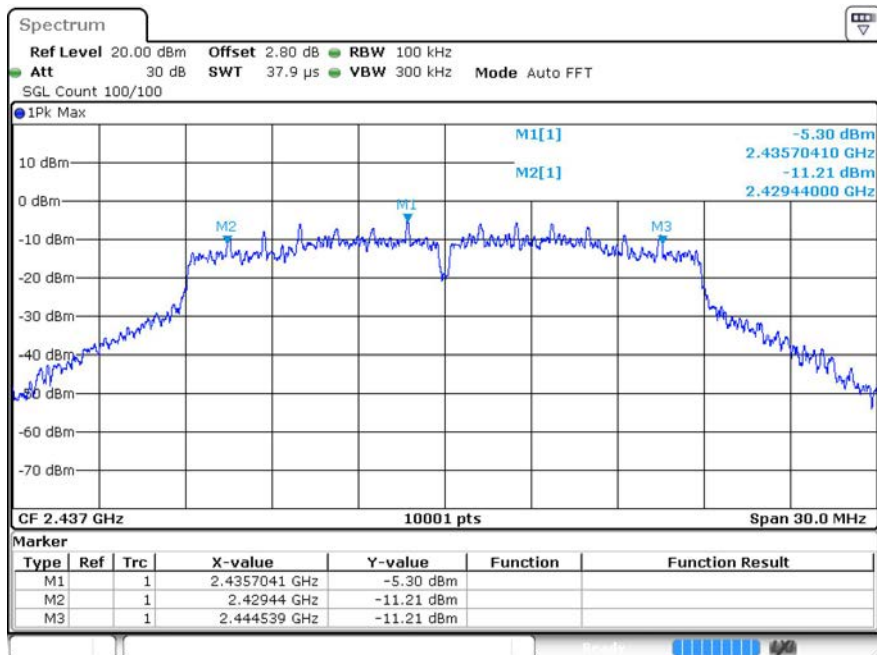


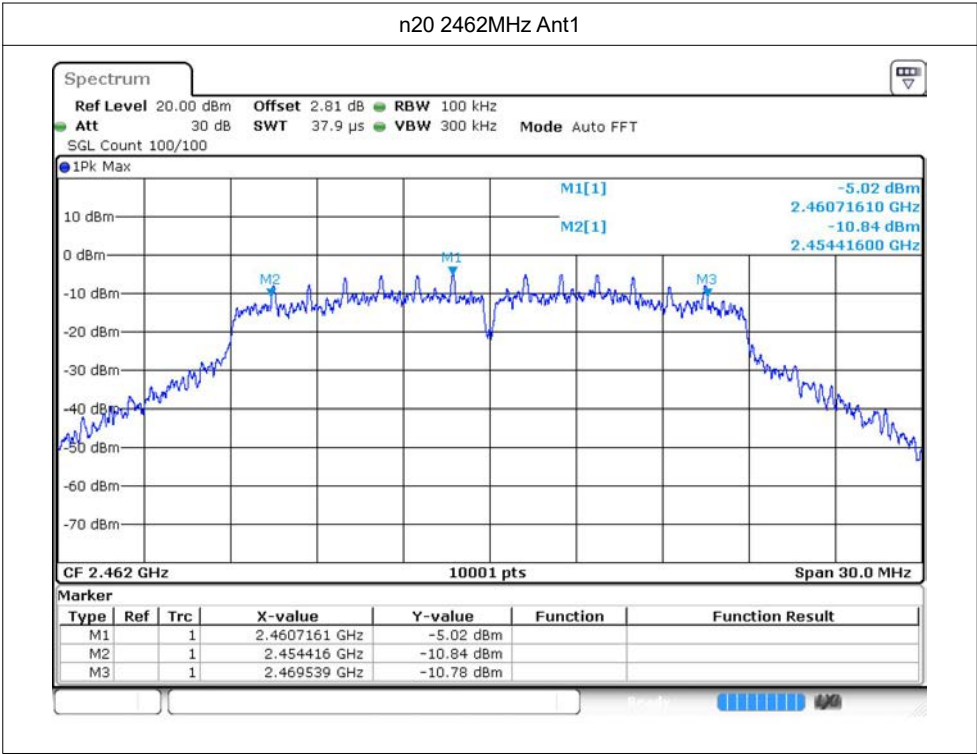


n20 2412MHz Ant1



n20 2437MHz Ant1



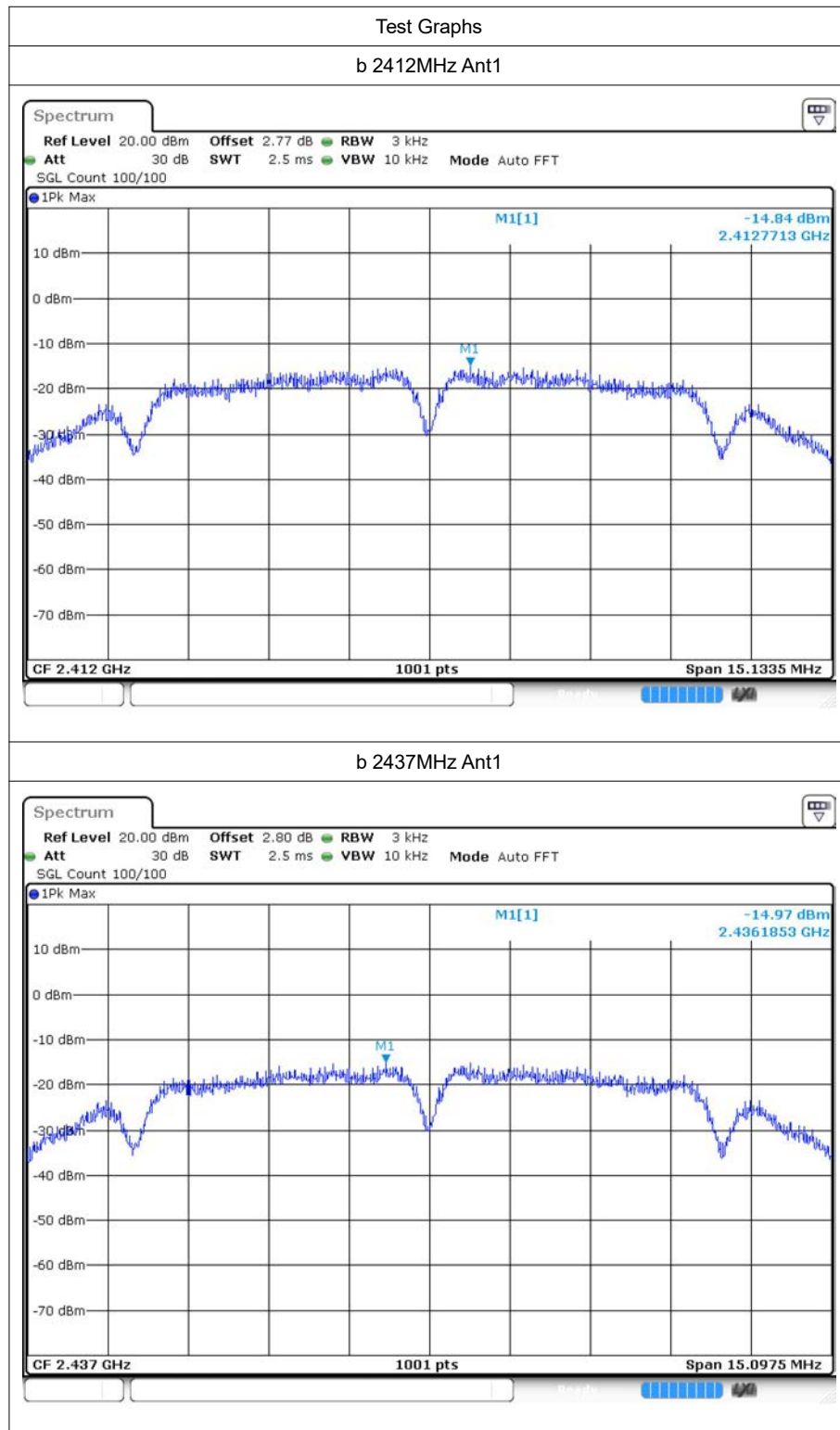


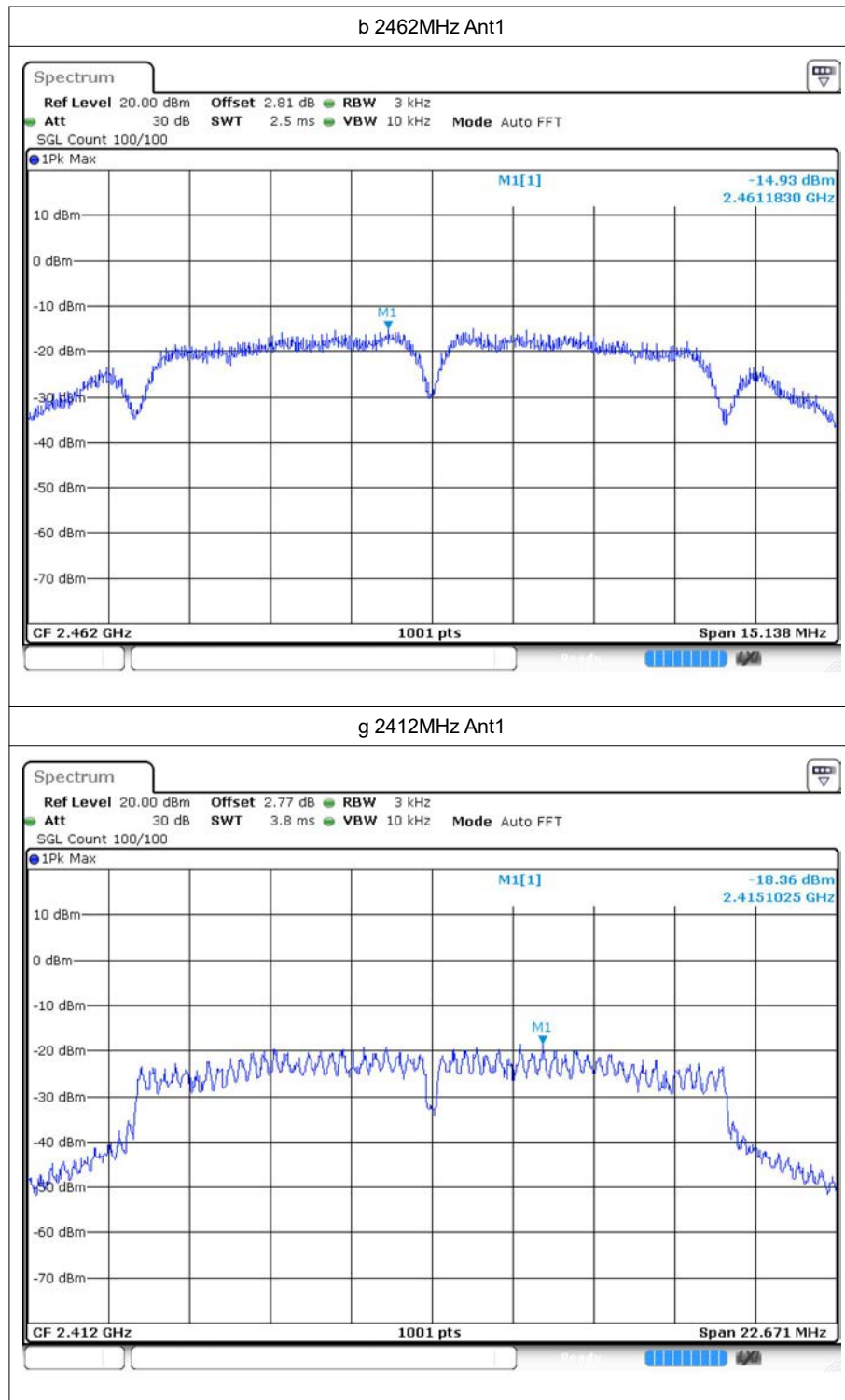
4 Maximum Power Spectral Density Level

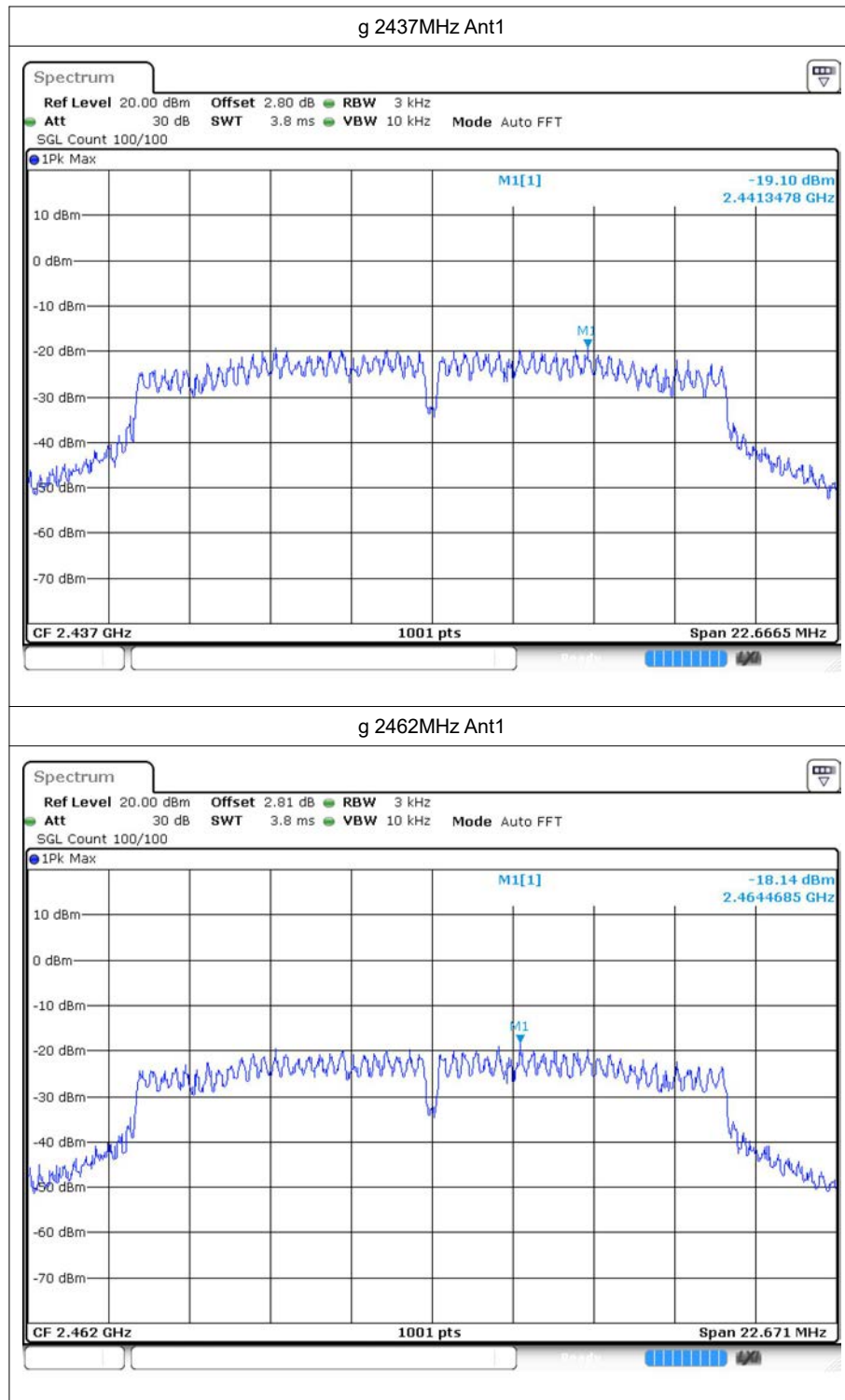
4.1 Test Result

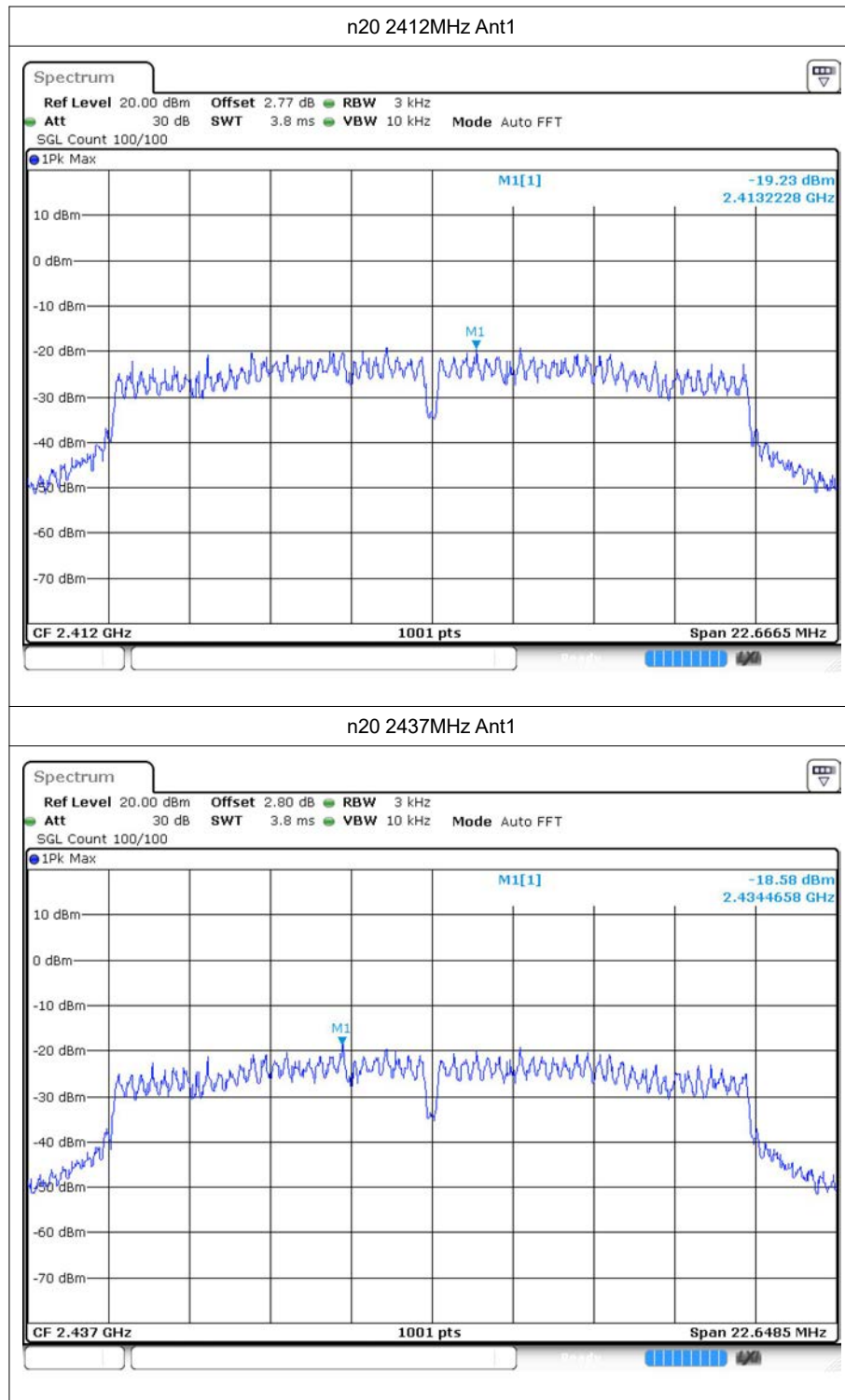
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-14.84	≤ 8	Pass
b	2437	Ant1	-14.97	≤ 8	Pass
b	2462	Ant1	-14.93	≤ 8	Pass
g	2412	Ant1	-18.36	≤ 8	Pass
g	2437	Ant1	-19.1	≤ 8	Pass
g	2462	Ant1	-18.14	≤ 8	Pass
n20	2412	Ant1	-19.23	≤ 8	Pass
n20	2437	Ant1	-18.58	≤ 8	Pass
n20	2462	Ant1	-18.82	≤ 8	Pass

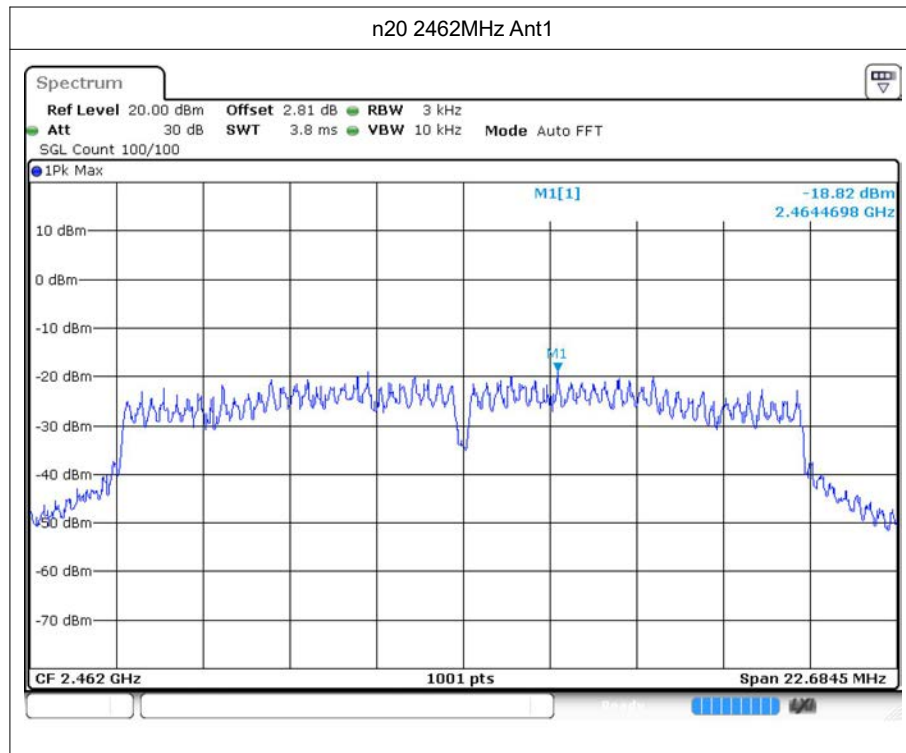
4.2 Test Graphs











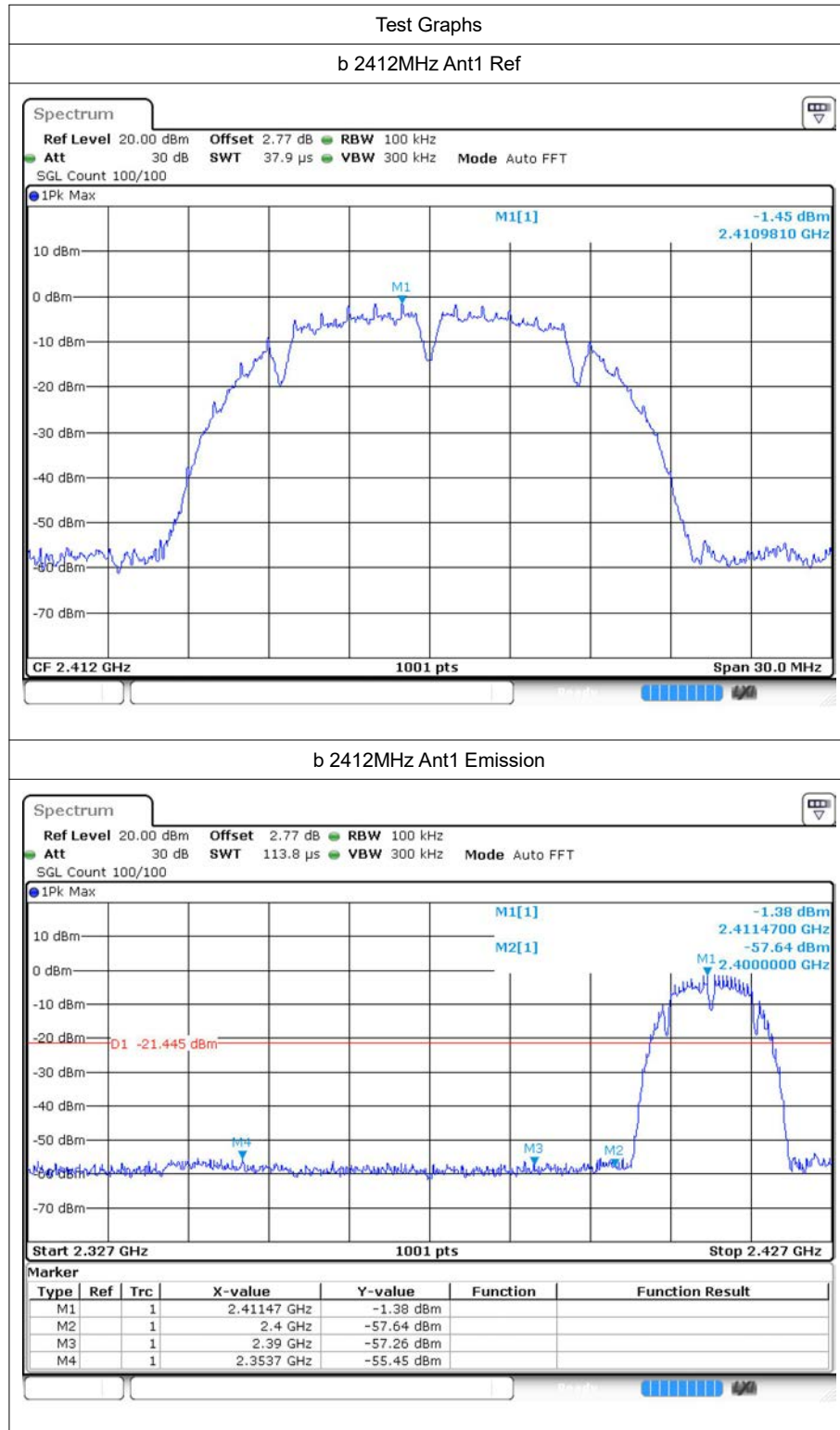


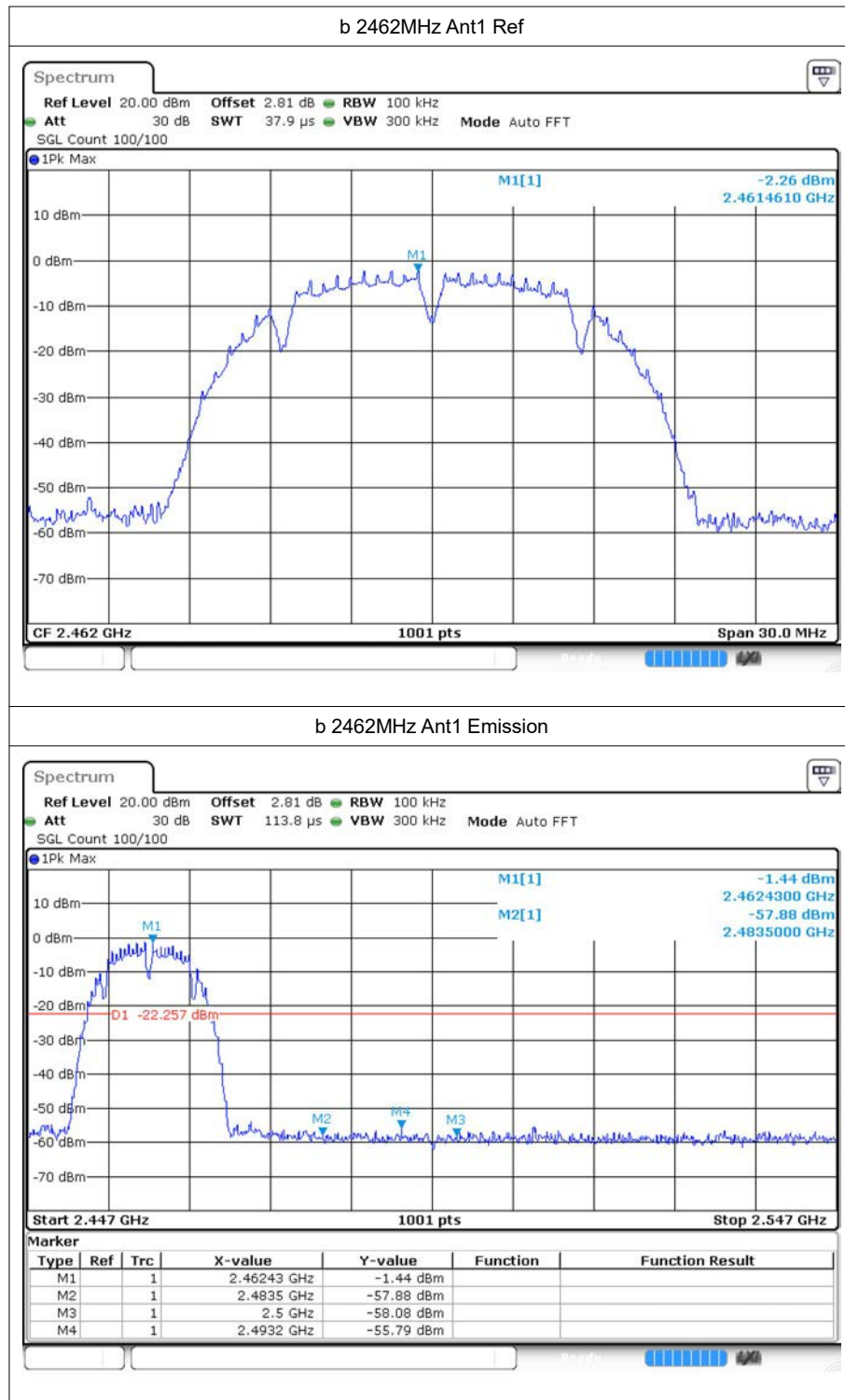
5 Band Edge

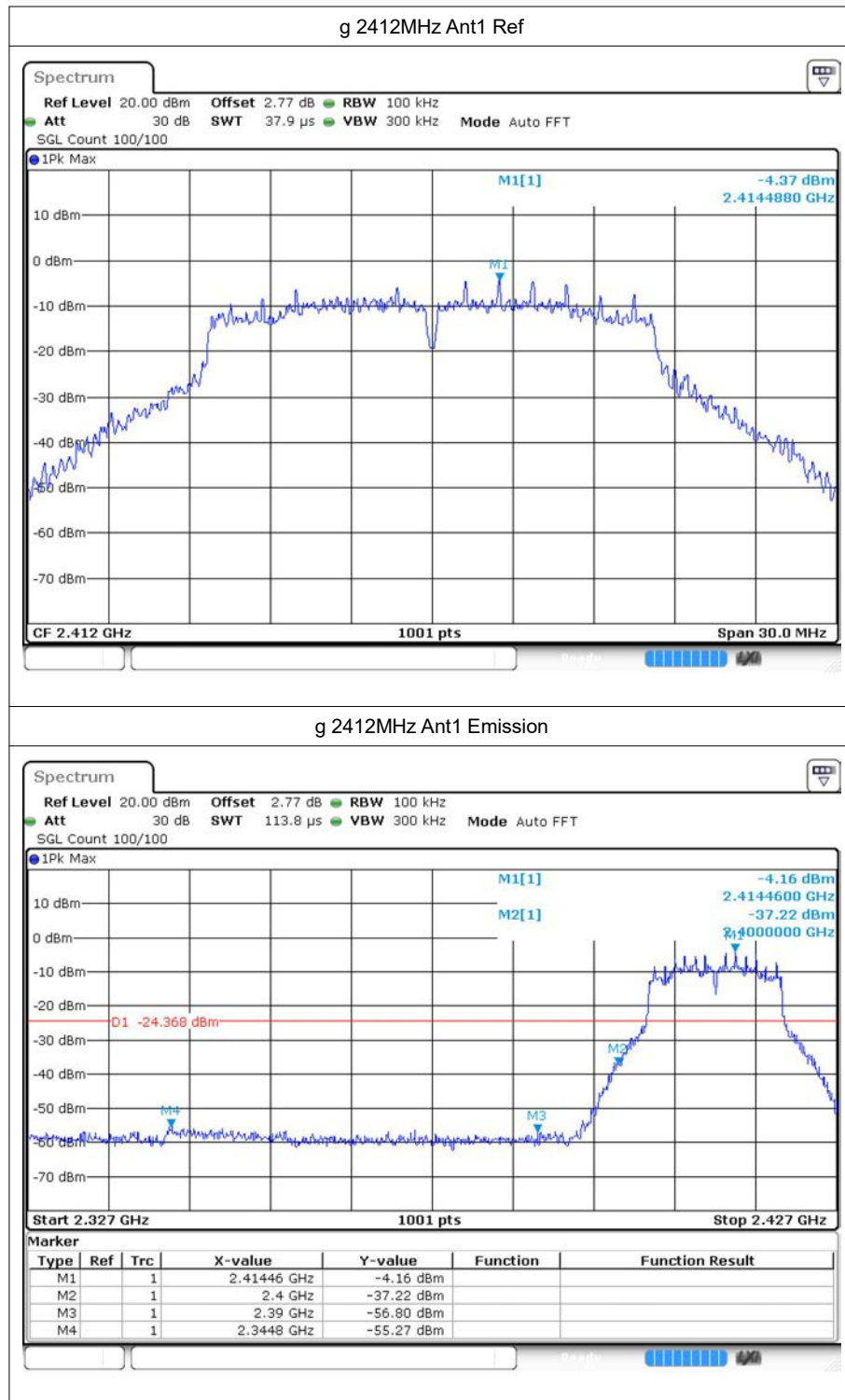
5.1 Test Result

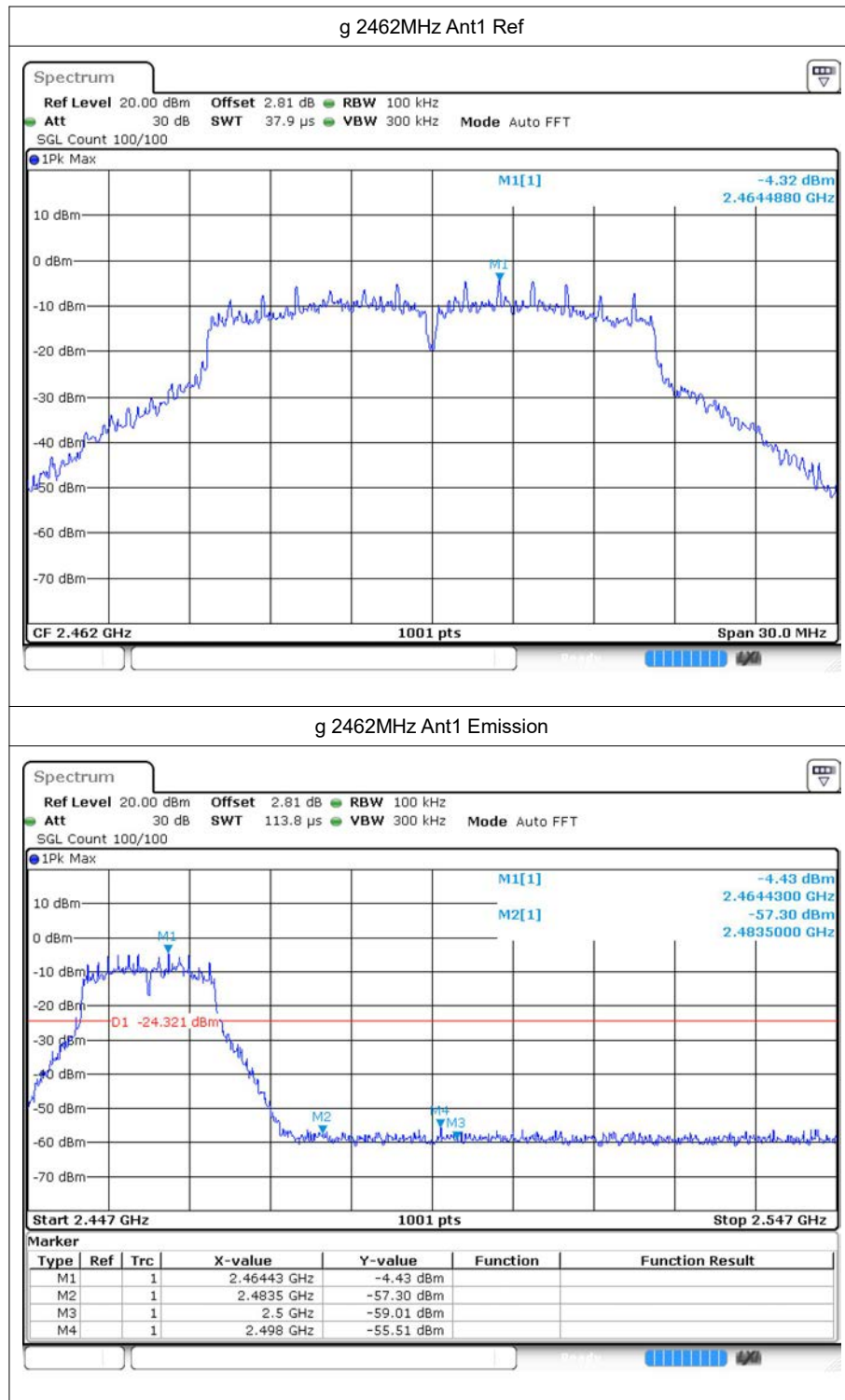
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-53.99	-20	Pass
b	2462	Ant1	-53.53	-20	Pass
g	2412	Ant1	-50.89	-20	Pass
g	2462	Ant1	-51.19	-20	Pass
n20	2412	Ant1	-48.67	-20	Pass
n20	2462	Ant1	-50.89	-20	Pass

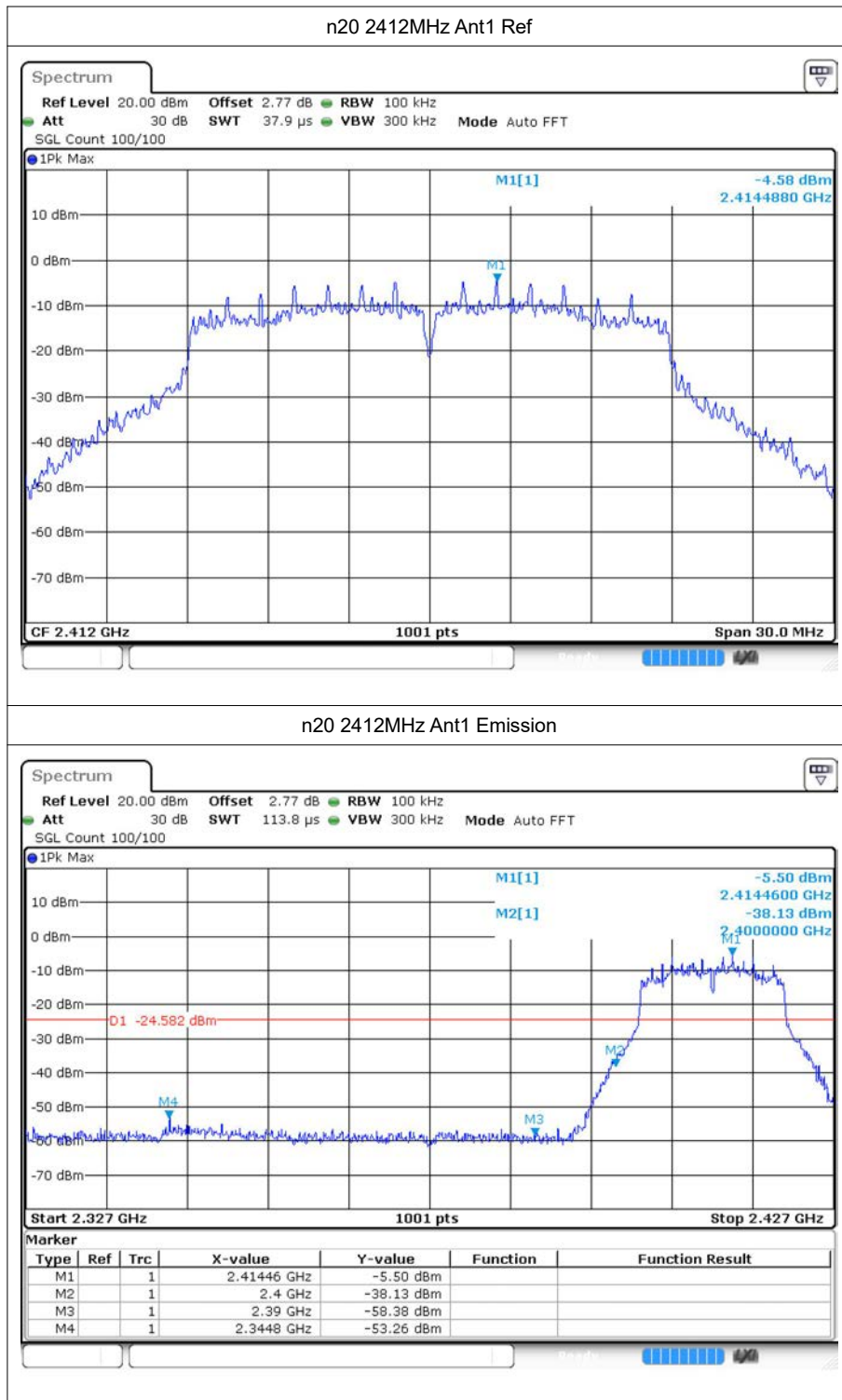
5.2 Test Graphs

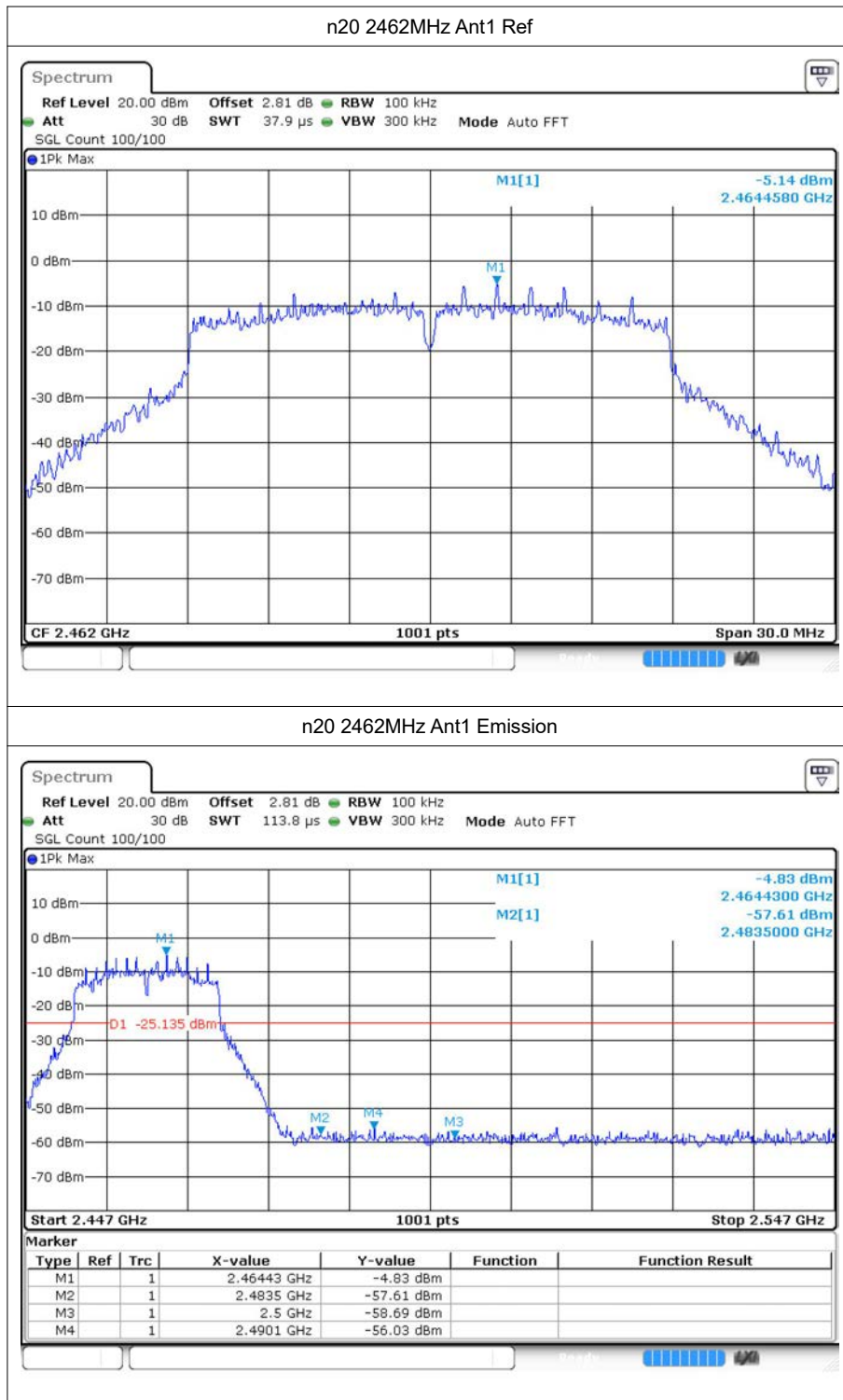












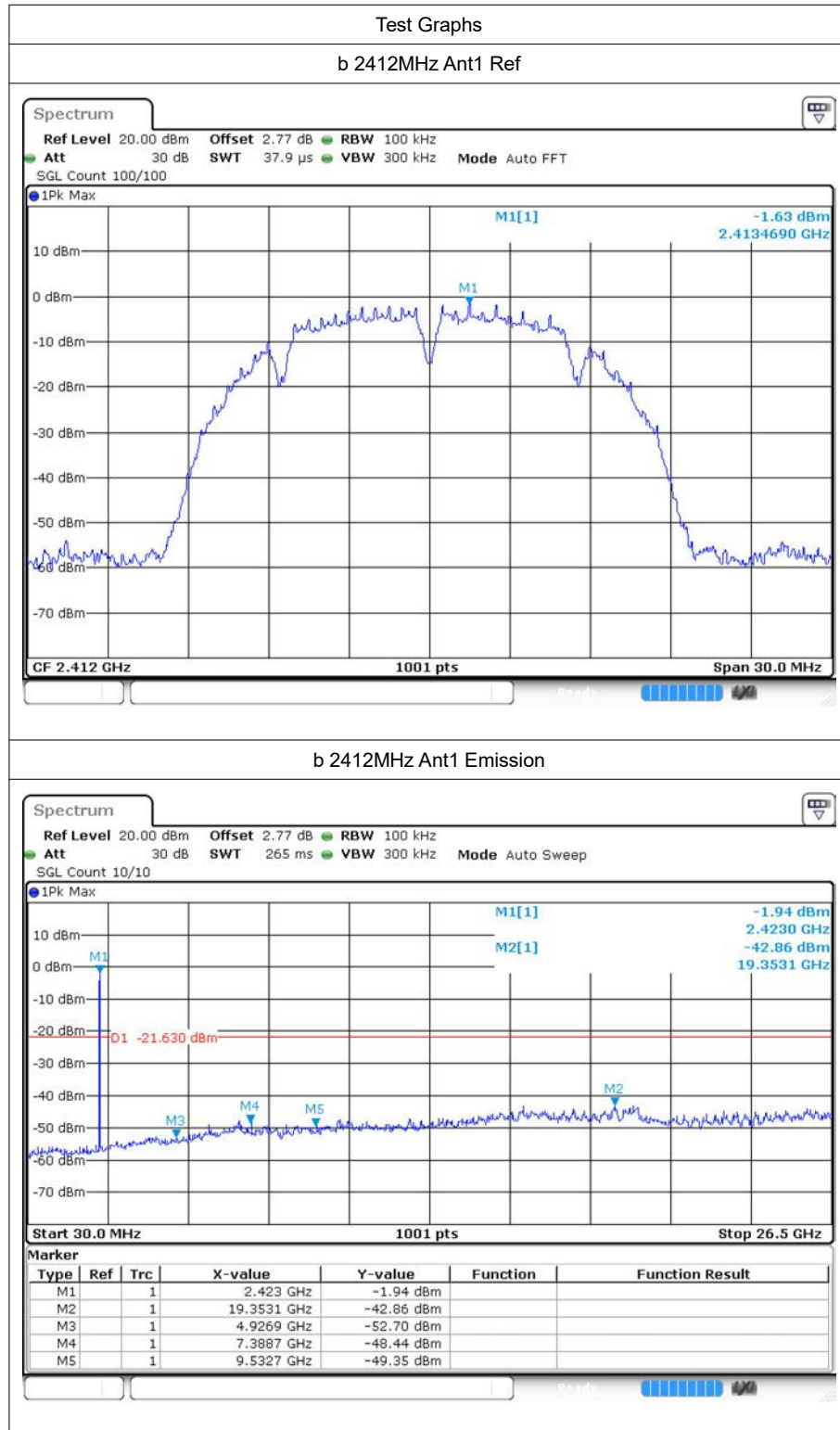


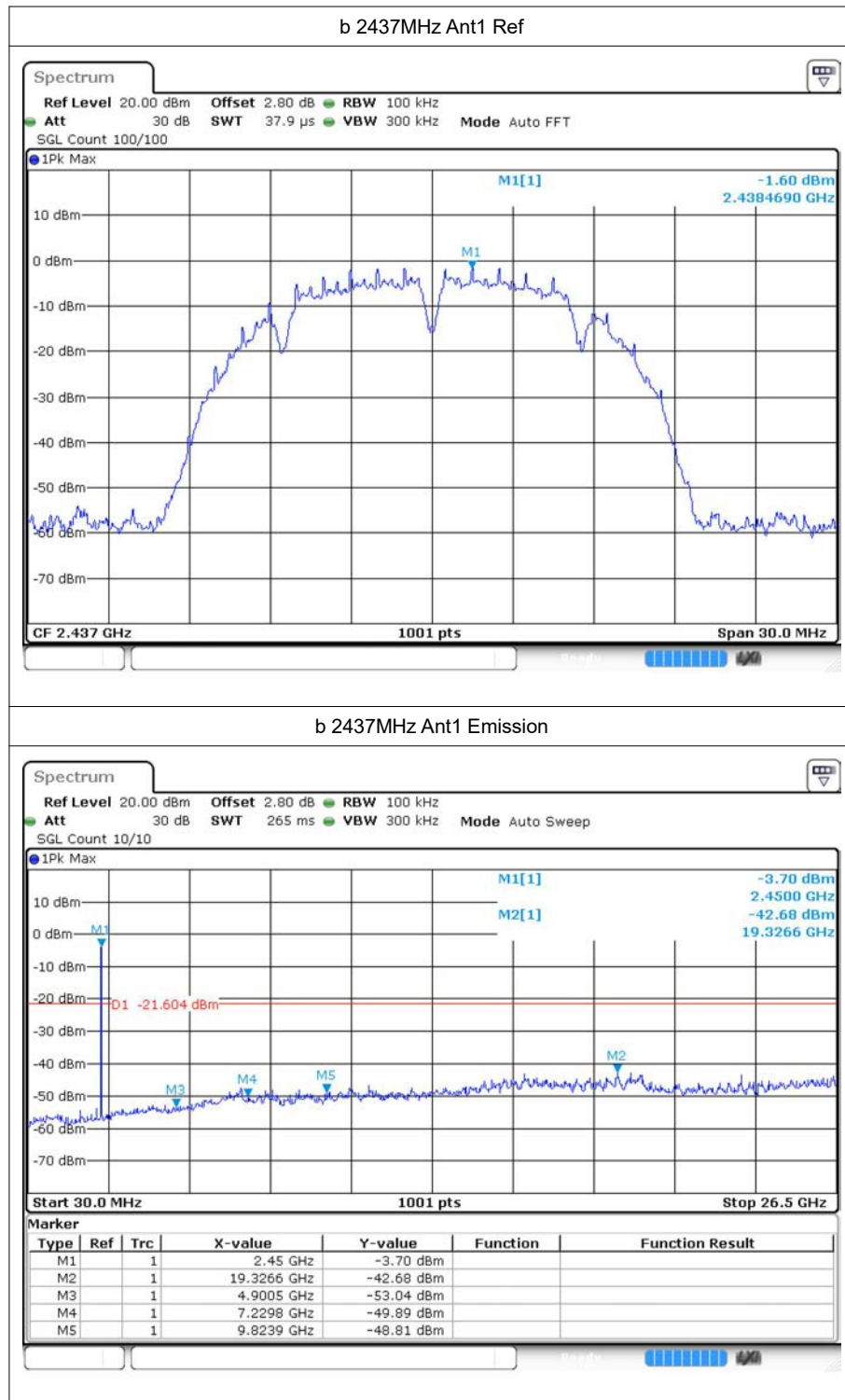
6 Conducted RF Spurious Emission

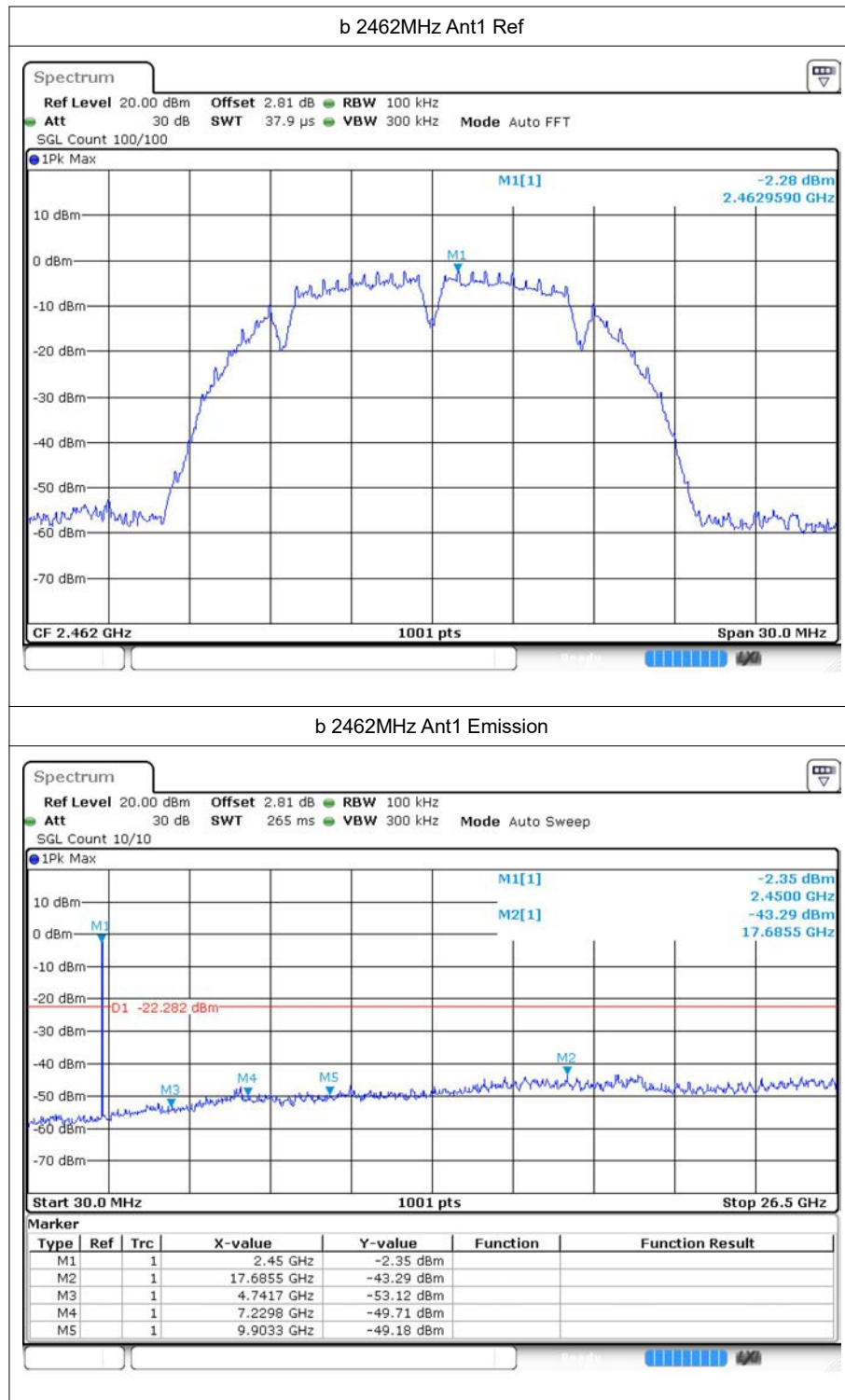
6.1 Test Result

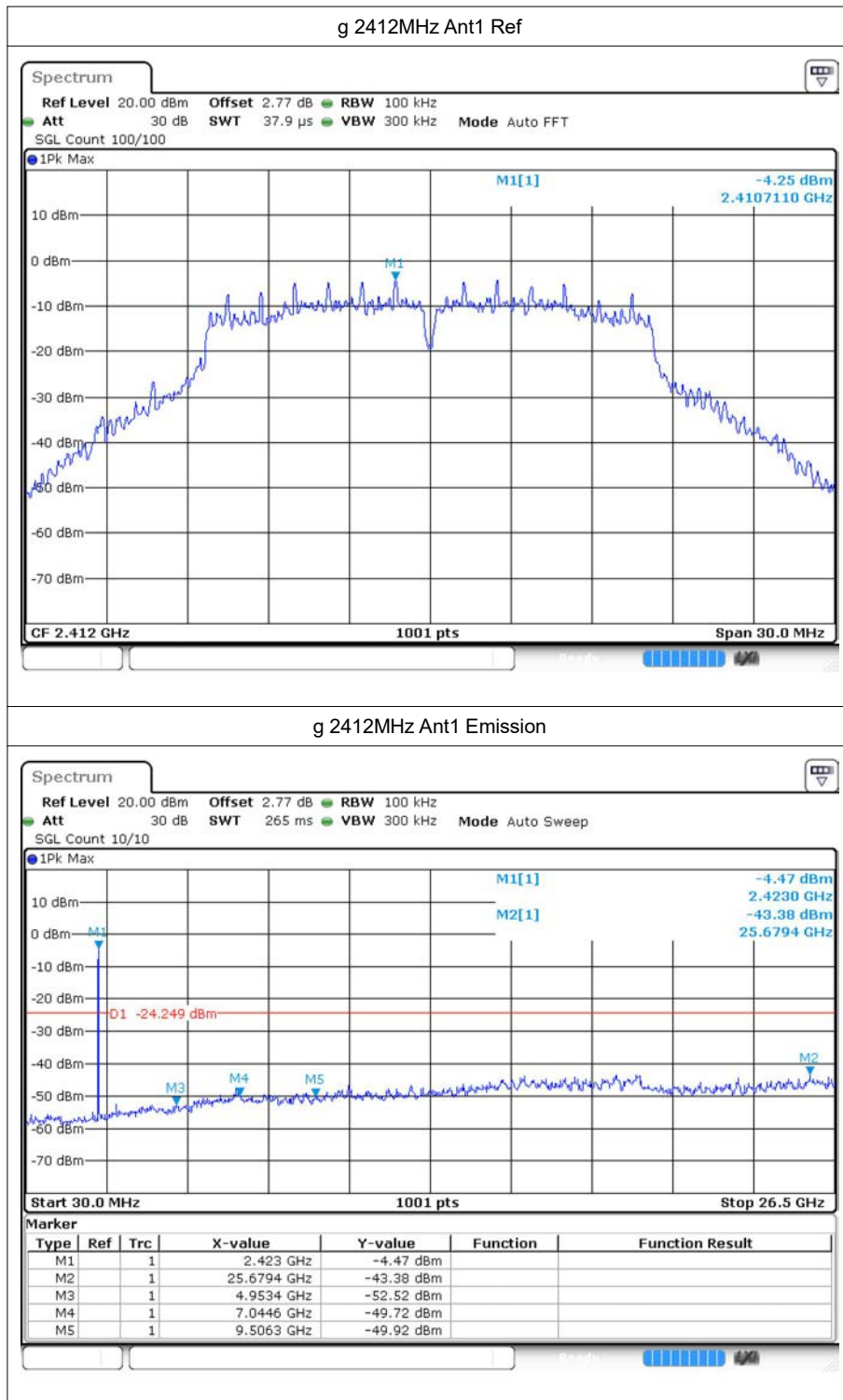
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-41.22	-20	Pass
b	2437	Ant1	-41.07	-20	Pass
b	2462	Ant1	-41.01	-20	Pass
g	2412	Ant1	-39.12	-20	Pass
g	2437	Ant1	-38.19	-20	Pass
g	2462	Ant1	-39.16	-20	Pass
n20	2412	Ant1	-38.63	-20	Pass
n20	2437	Ant1	-38.8	-20	Pass
n20	2462	Ant1	-38.44	-20	Pass

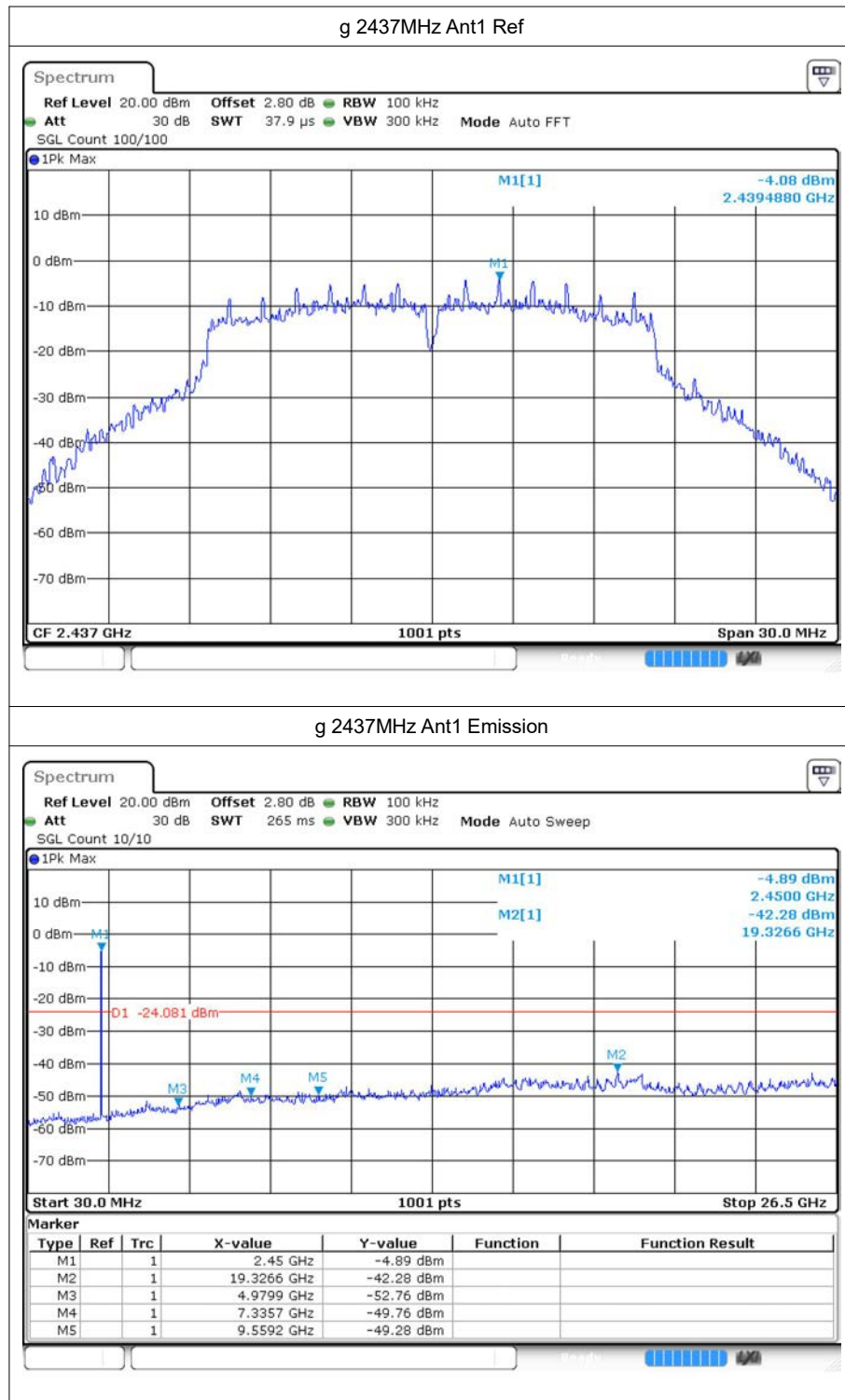
6.2 Test Graphs

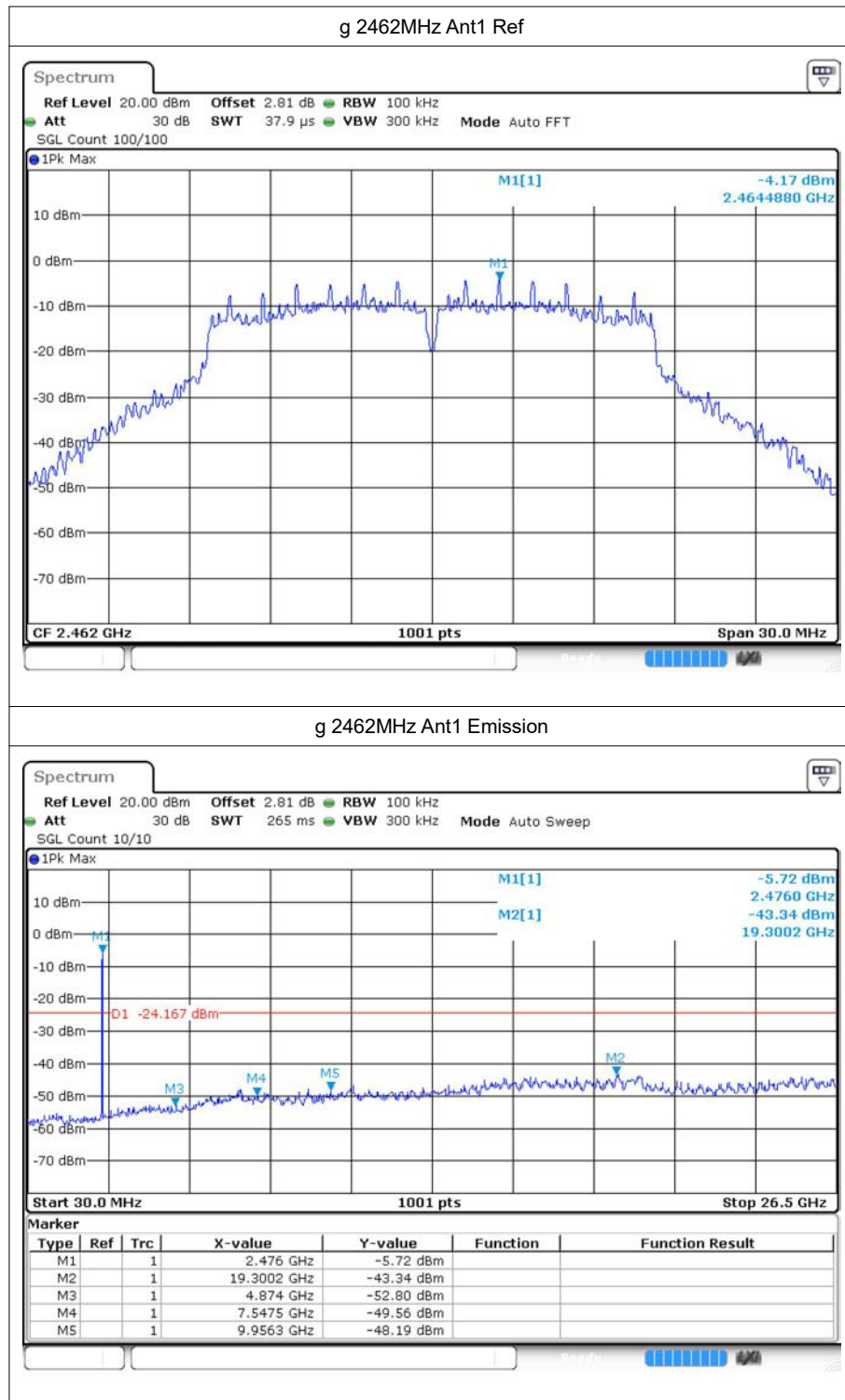


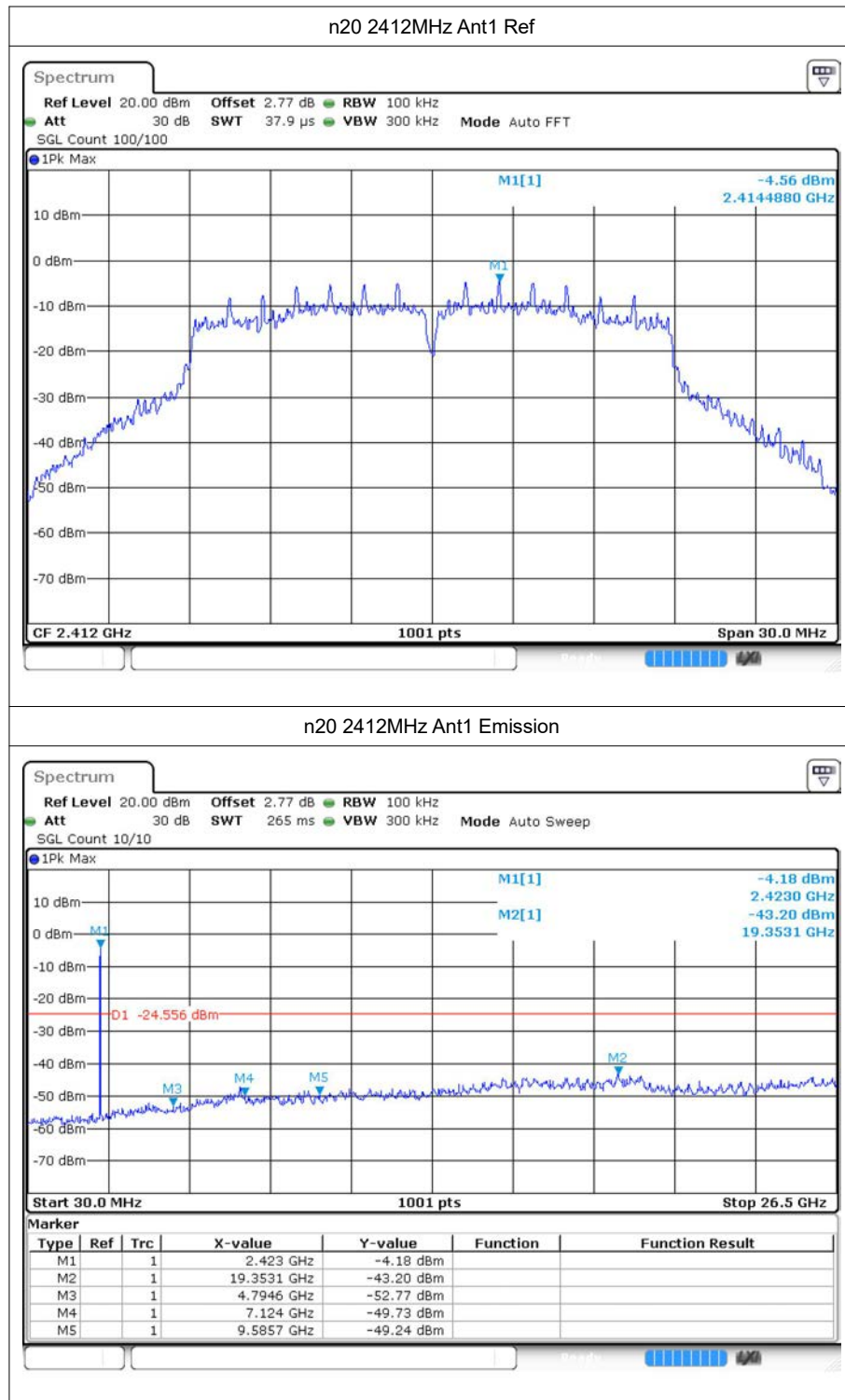


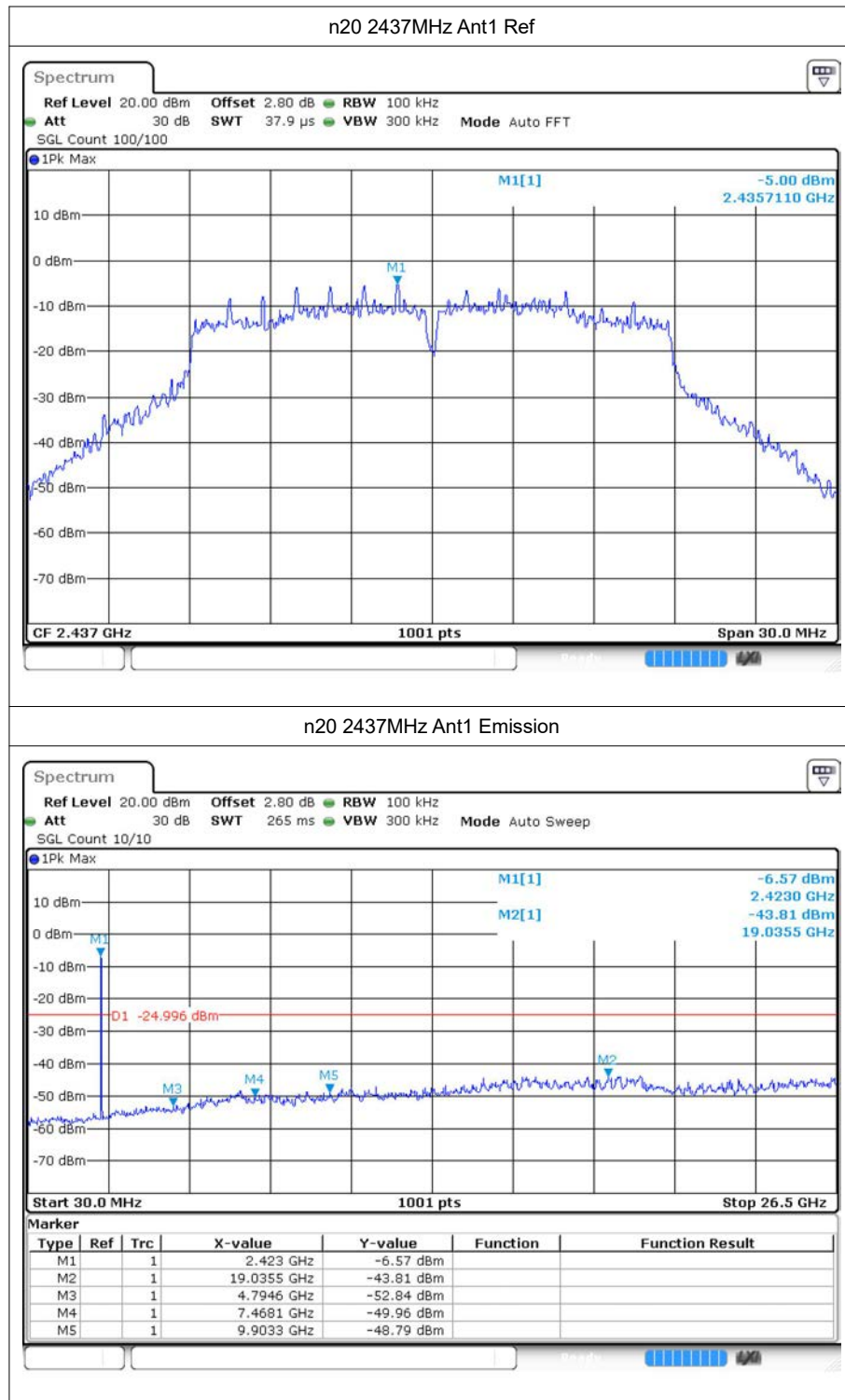


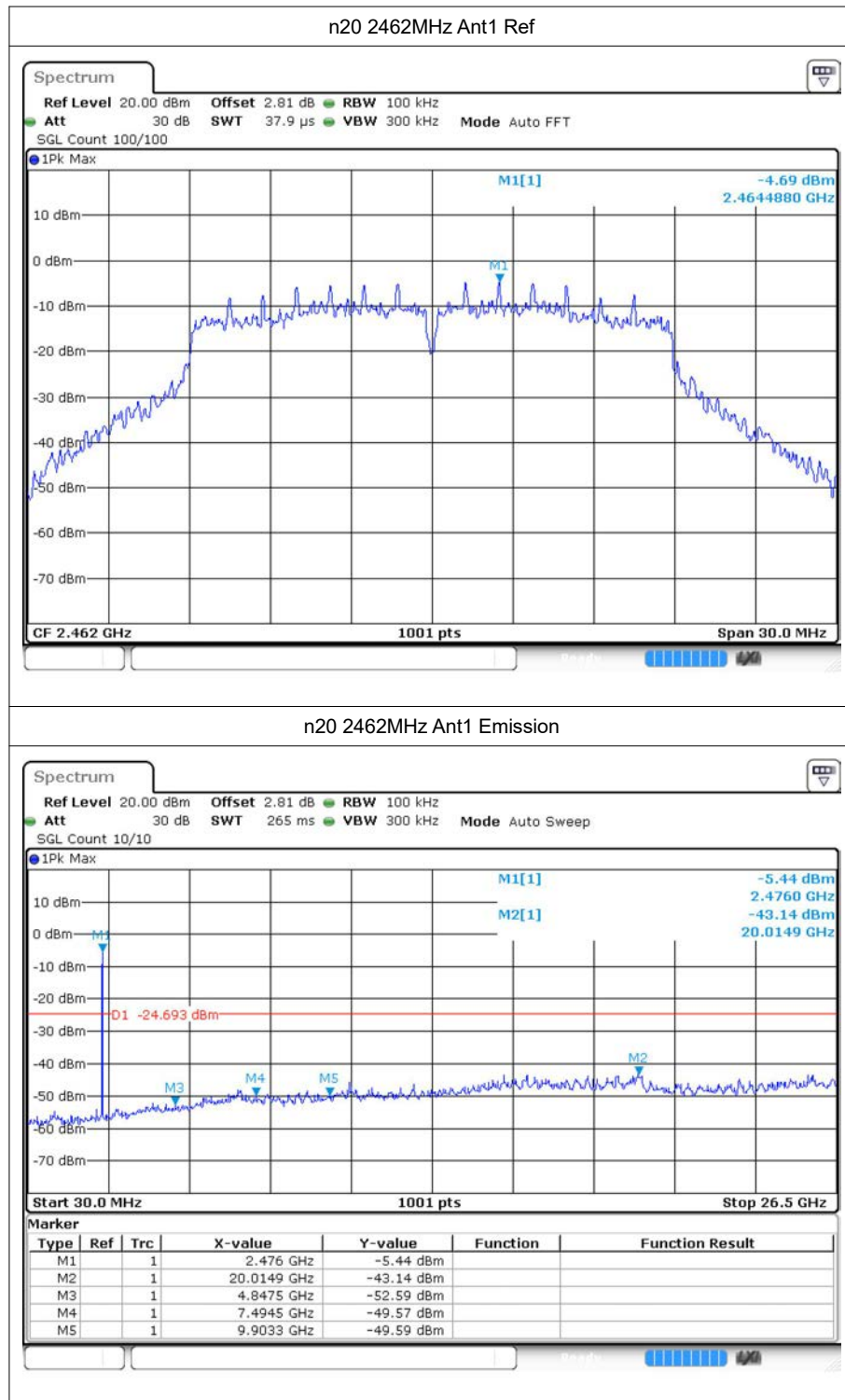














7 Restrict Band

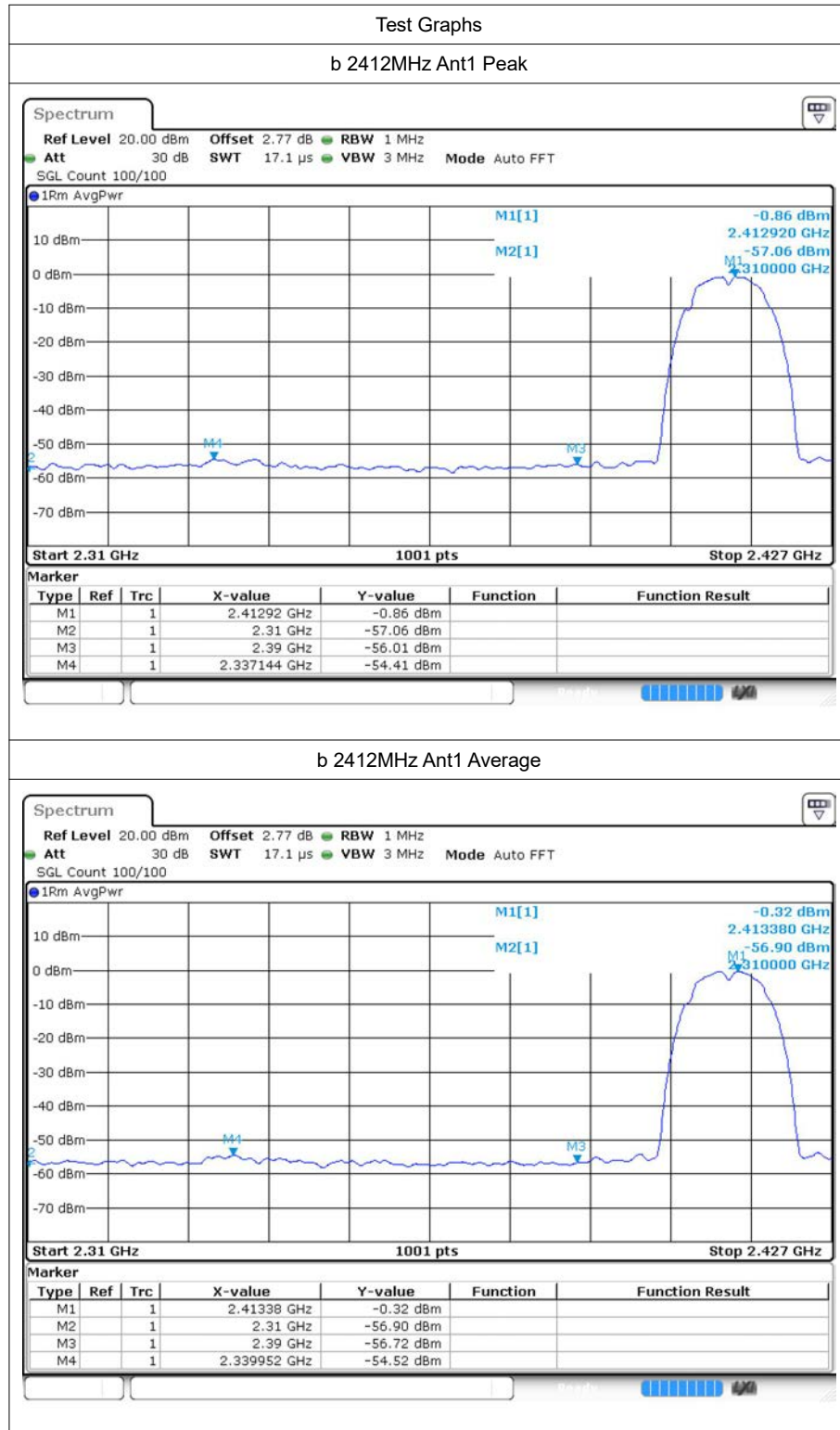
7.1 Test Result

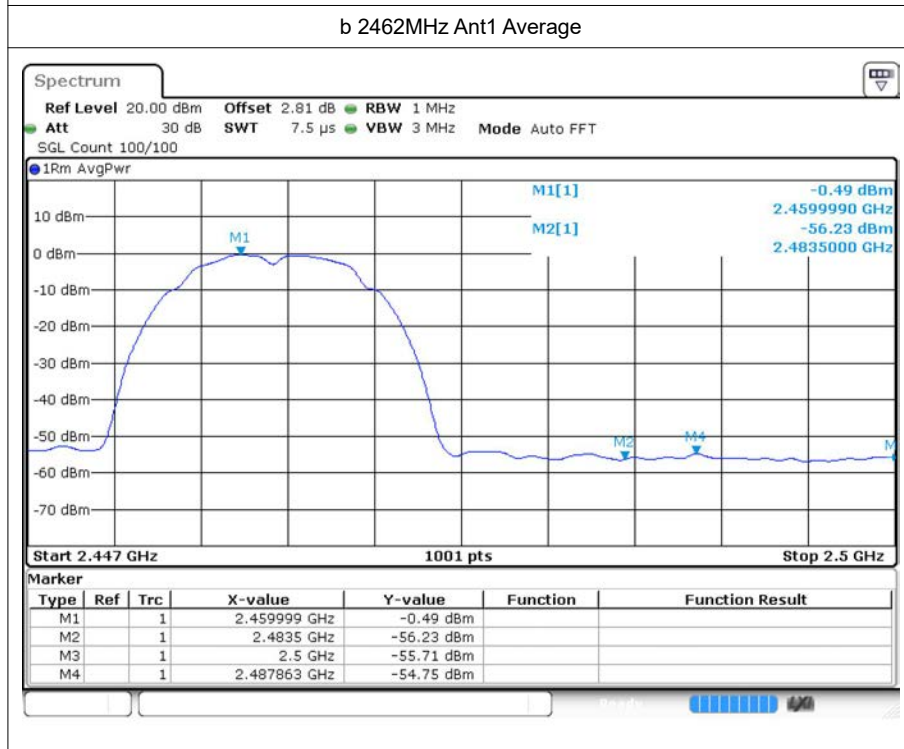
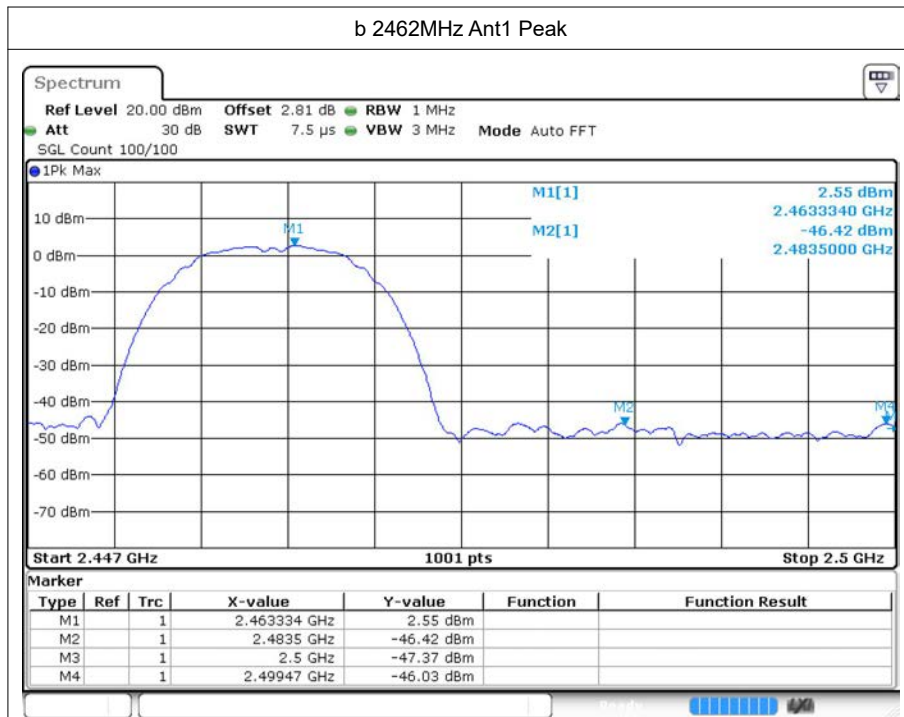
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-57.06	2	-	40.2	Peak	74	Pass
b	2412	Ant1	2310	-56.9	2	0	40.36	Average	54	Pass
b	2412	Ant1	2337.144	-54.4	2	-	42.86	Peak	74	Pass
b	2412	Ant1	2339.952	-54.51	2	0	42.75	Average	54	Pass
b	2412	Ant1	2390	-56.01	2	-	41.25	Peak	74	Pass
b	2412	Ant1	2390	-56.72	2	0	40.54	Average	54	Pass
b	2462	Ant1	2483.5	-46.42	2	-	50.84	Peak	74	Pass
b	2462	Ant1	2483.5	-56.23	2	0	41.03	Average	54	Pass
b	2462	Ant1	2499.47	-46.03	2	-	51.23	Peak	74	Pass
b	2462	Ant1	2487.863	-54.75	2	0	42.51	Average	54	Pass
b	2462	Ant1	2500	-47.37	2	-	49.89	Peak	74	Pass
b	2462	Ant1	2500	-55.71	2	0	41.55	Average	54	Pass
g	2412	Ant1	2310	-49.84	2	-	47.42	Peak	74	Pass
g	2412	Ant1	2310	-56.84	2	0.61	41.03	Average	54	Pass
g	2412	Ant1	2333.634	-45.19	2	-	52.07	Peak	74	Pass
g	2412	Ant1	2341.122	-54.51	2	0.61	43.36	Average	54	Pass
g	2412	Ant1	2390	-50.08	2	-	41.25	Peak	74	Pass
g	2412	Ant1	2390	-57.14	2	0.61	40.73	Average	54	Pass
g	2462	Ant1	2483.5	-49.24	2	-	48.02	Peak	74	Pass
g	2462	Ant1	2483.5	-55.7	2	0.61	42.17	Average	54	Pass
g	2462	Ant1	2499.47	-47.89	2	-	49.37	Peak	74	Pass
g	2462	Ant1	2490.142	-55.48	2	0.61	42.39	Average	54	Pass
g	2462	Ant1	2500	-50.96	2	-	49.89	Peak	74	Pass
g	2462	Ant1	2500	-56.7	2	0.61	41.17	Average	54	Pass
n20	2412	Ant1	2310	-50.38	2	-	46.88	Peak	74	Pass
n20	2412	Ant1	2310	-56.39	2	0.58	41.45	Average	54	Pass
n20	2412	Ant1	2339.133	-44.39	2	-	52.87	Peak	74	Pass
n20	2412	Ant1	2337.261	-54.16	2	0.58	43.68	Average	54	Pass
n20	2412	Ant1	2390	-49.09	2	-	48.17	Peak	74	Pass
n20	2412	Ant1	2390	-56.7	2	0.58	41.14	Average	54	Pass
n20	2462	Ant1	2483.5	-50.02	2	-	47.24	Peak	74	Pass
n20	2462	Ant1	2483.5	-55.96	2	0.58	41.88	Average	54	Pass
n20	2462	Ant1	2498.039	-46.52	2	-	50.74	Peak	74	Pass
n20	2462	Ant1	2486.167	-55.32	2	0.58	42.52	Average	54	Pass

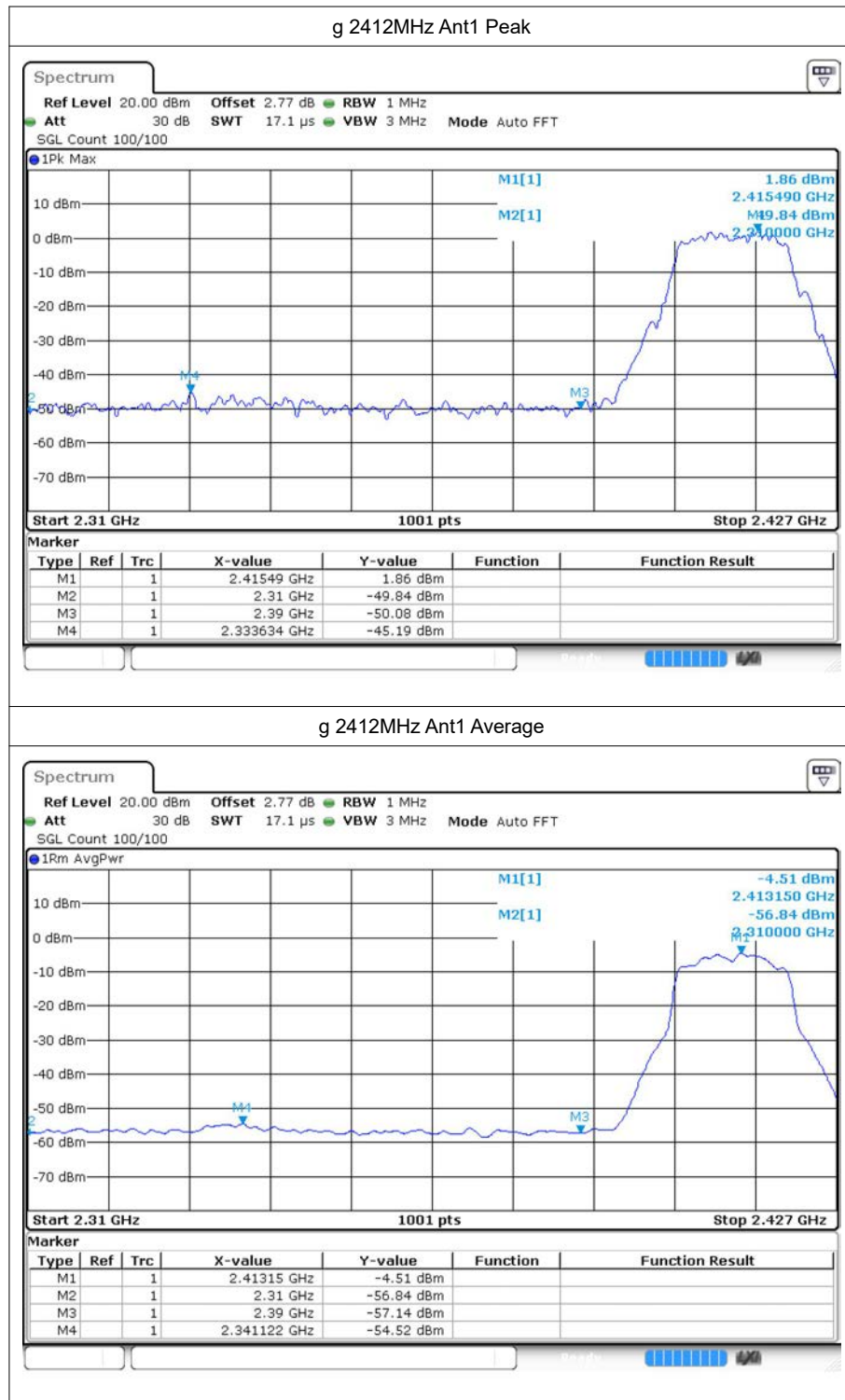


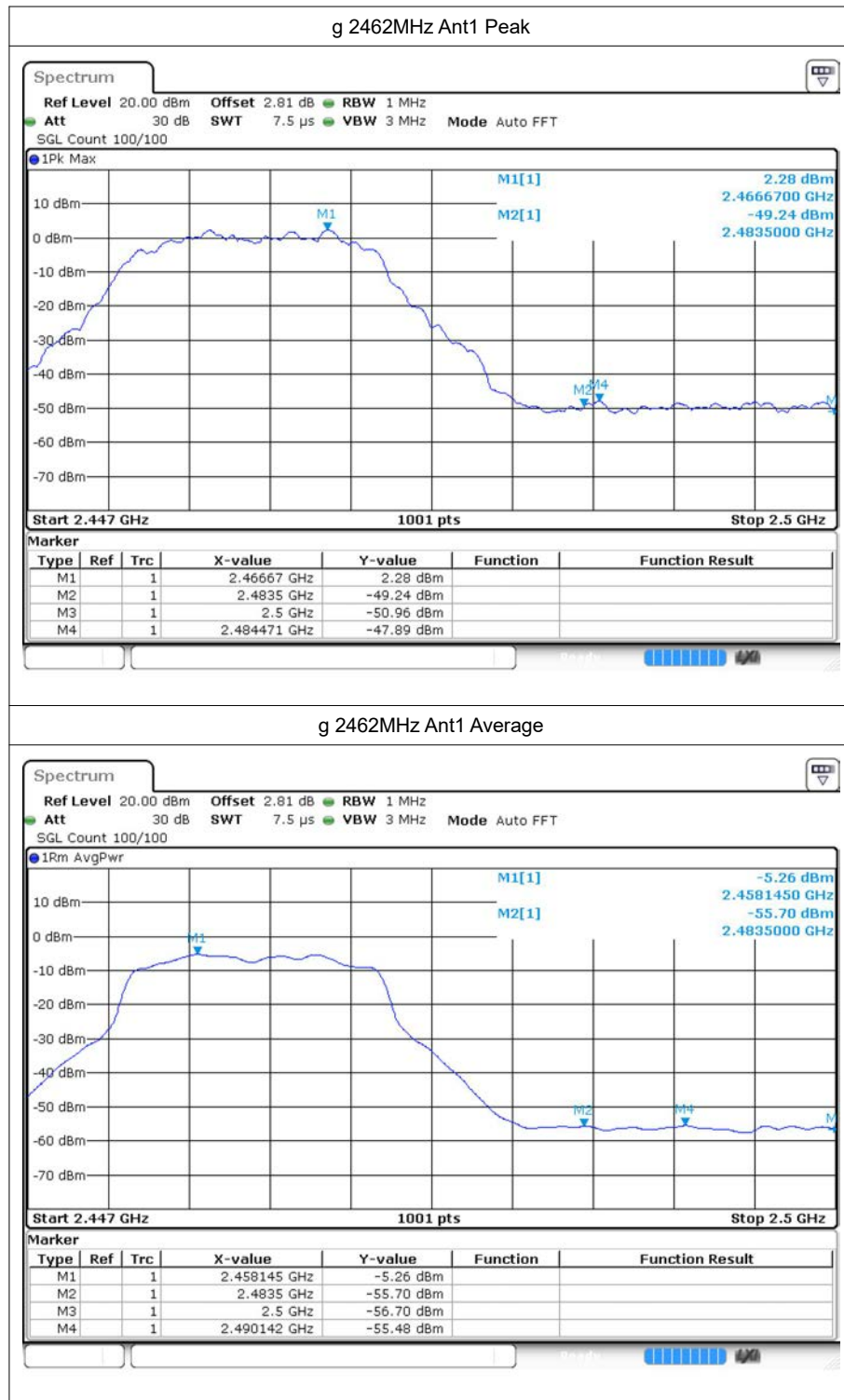
n20	2462	Ant1	2500	-48.83	2	-	48.43	Peak	74	Pass
n20	2462	Ant1	2500	-57.13	2	0.58	40.71	Average	54	Pass

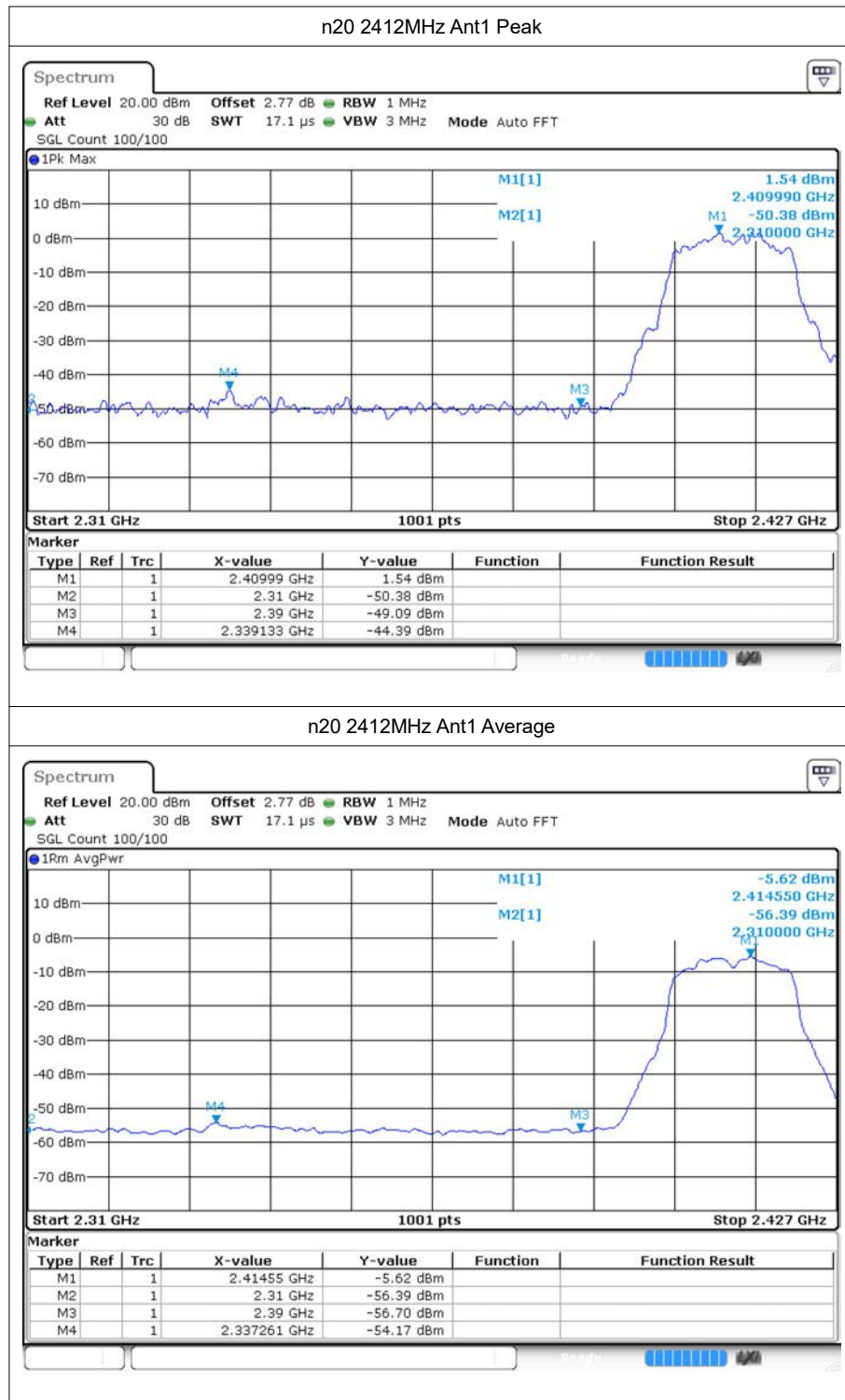
7.2 Test Graphs













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