



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: ePaper Tablet PC, E Ink Tablet PC, 2-in-1 Tablet PC

Trade Mark: BOOX

Test Model: Tab X

Environmental Conditions

Temperature:	25.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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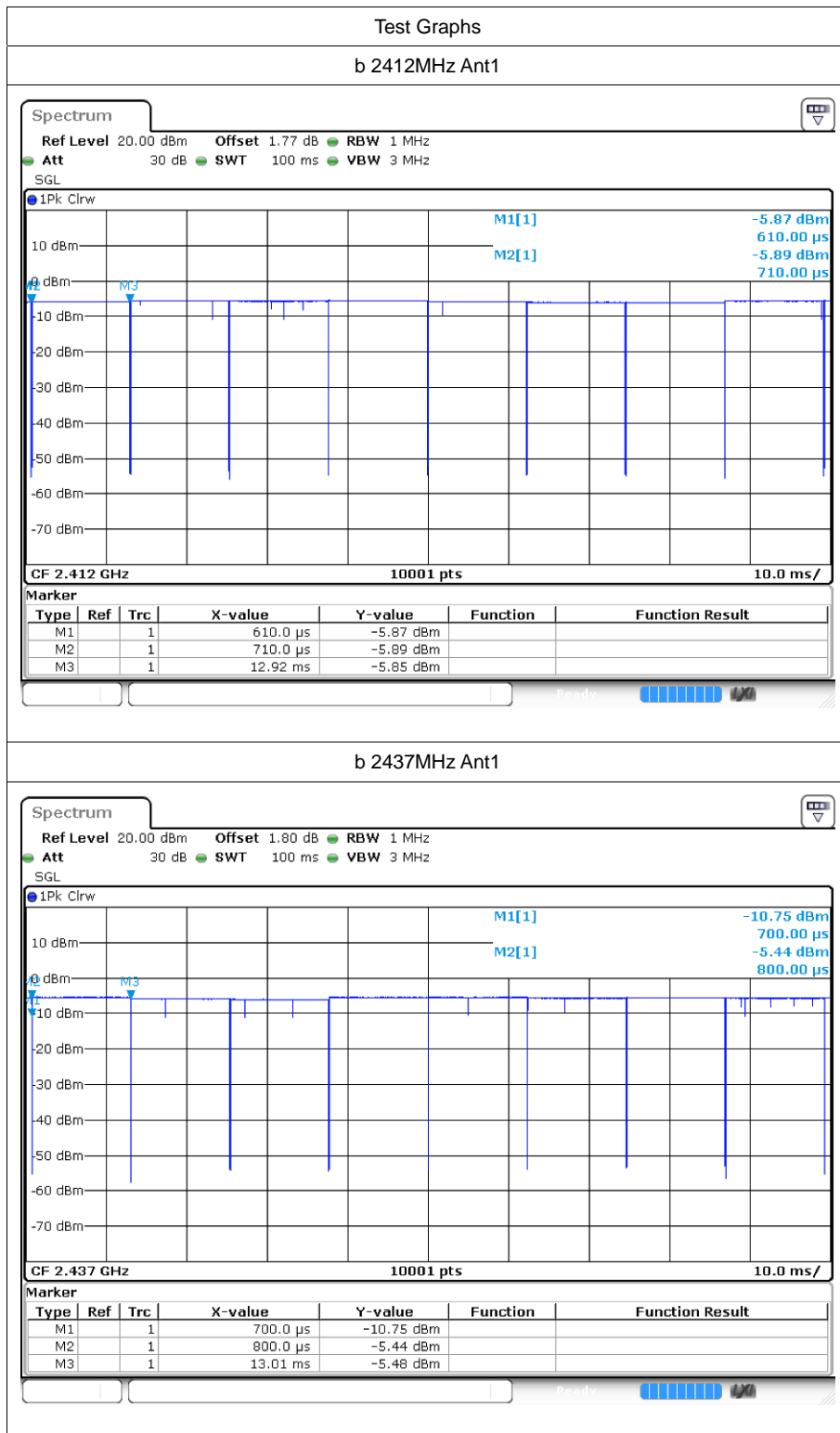
1 Duty Cycle

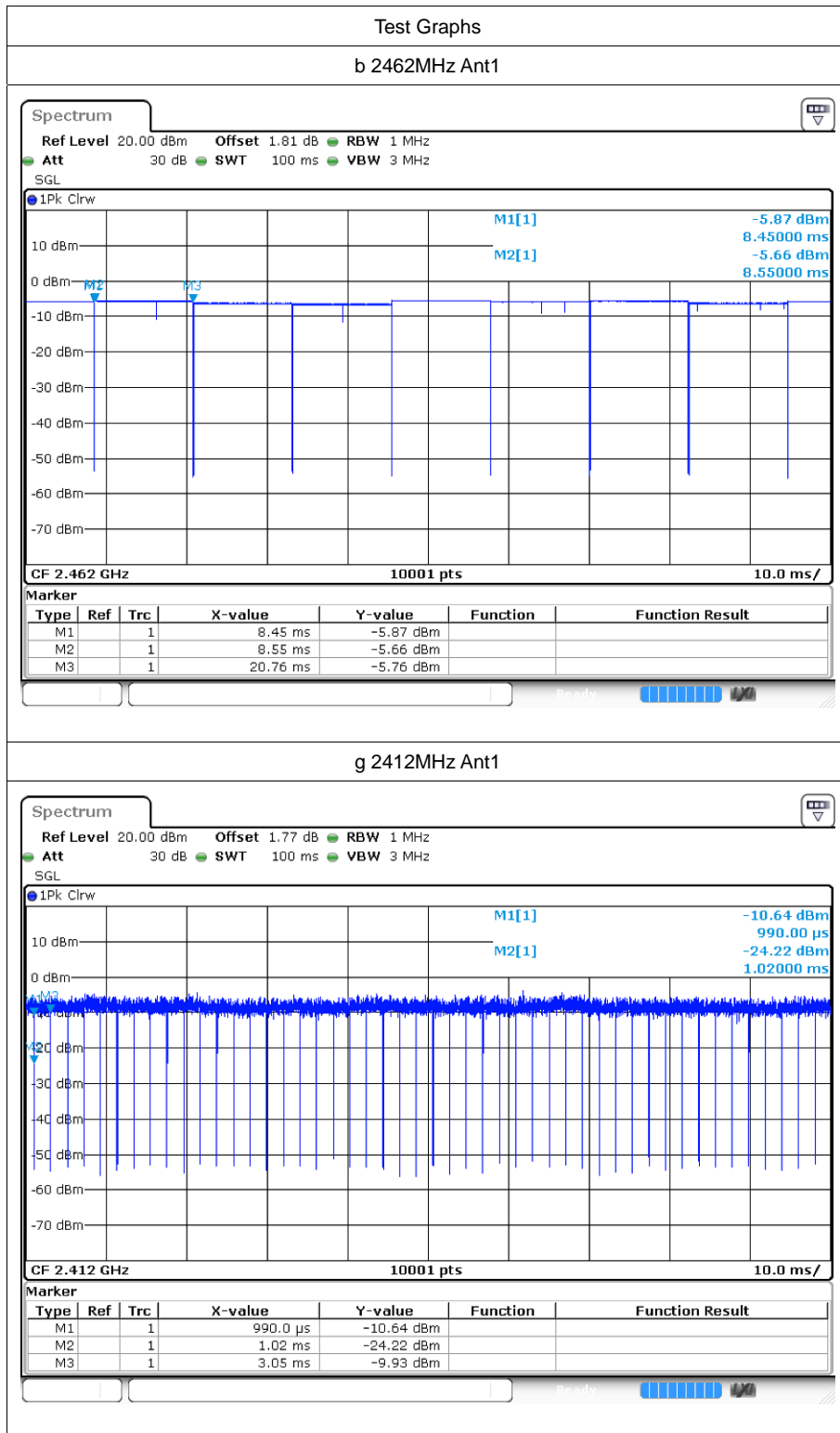
1.1 Test Result

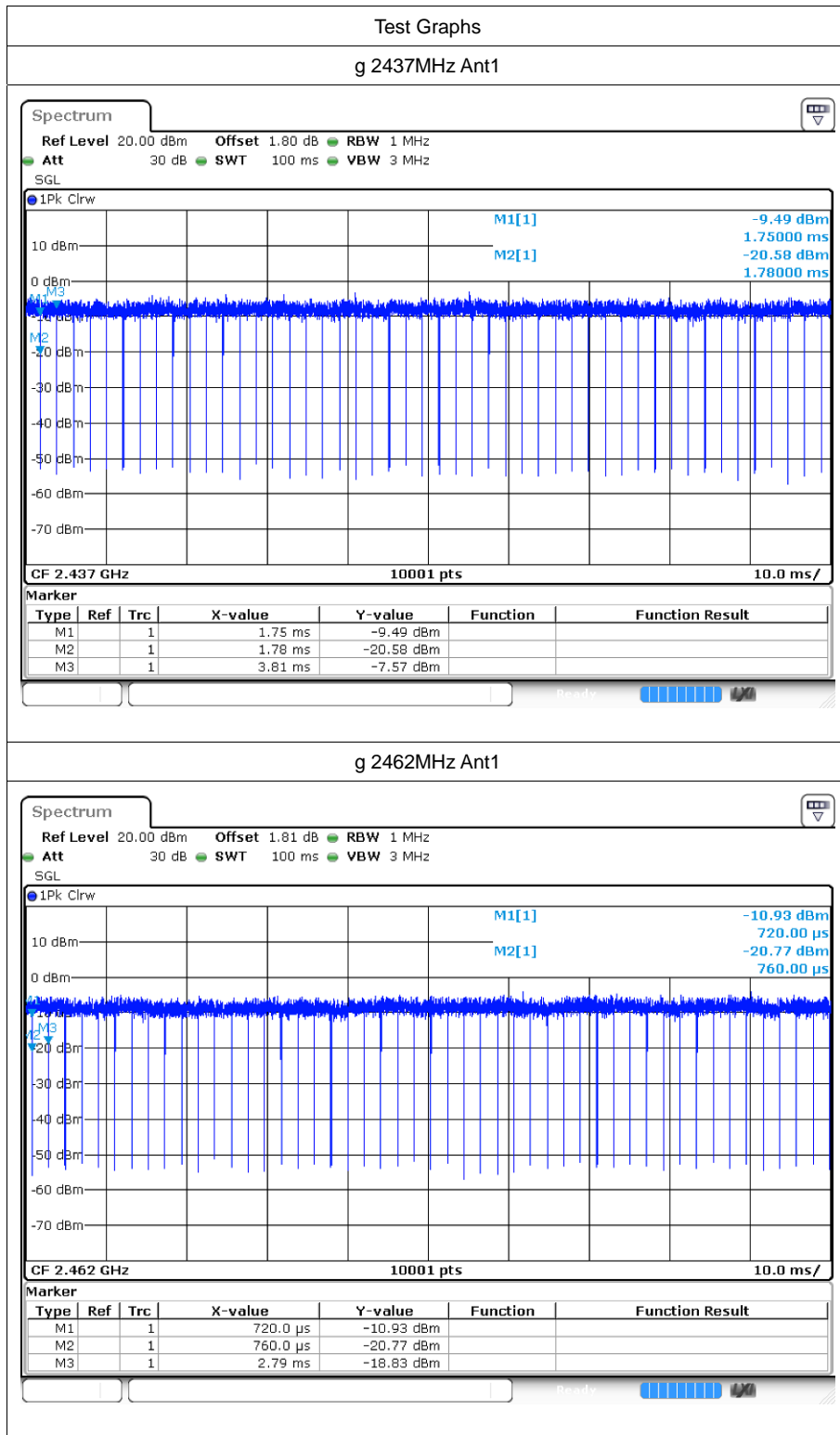
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	1/T (kHz)
b	2412	Ant1	99.19	0.08
b	2437	Ant1	99.18	0.08
b	2462	Ant1	99.28	0.08
g	2412	Ant1	98.71	0.49
g	2437	Ant1	98.8	0.49
g	2462	Ant1	98.77	0.49
n20	2412	Ant1	98.7	0.53
n20	2437	Ant1	98.7	0.53
n20	2462	Ant1	98.7	0.53
n40	2422	Ant1	94.78	100
n40	2437	Ant1	94.94	1.09
n40	2452	Ant1	94.81	1.09

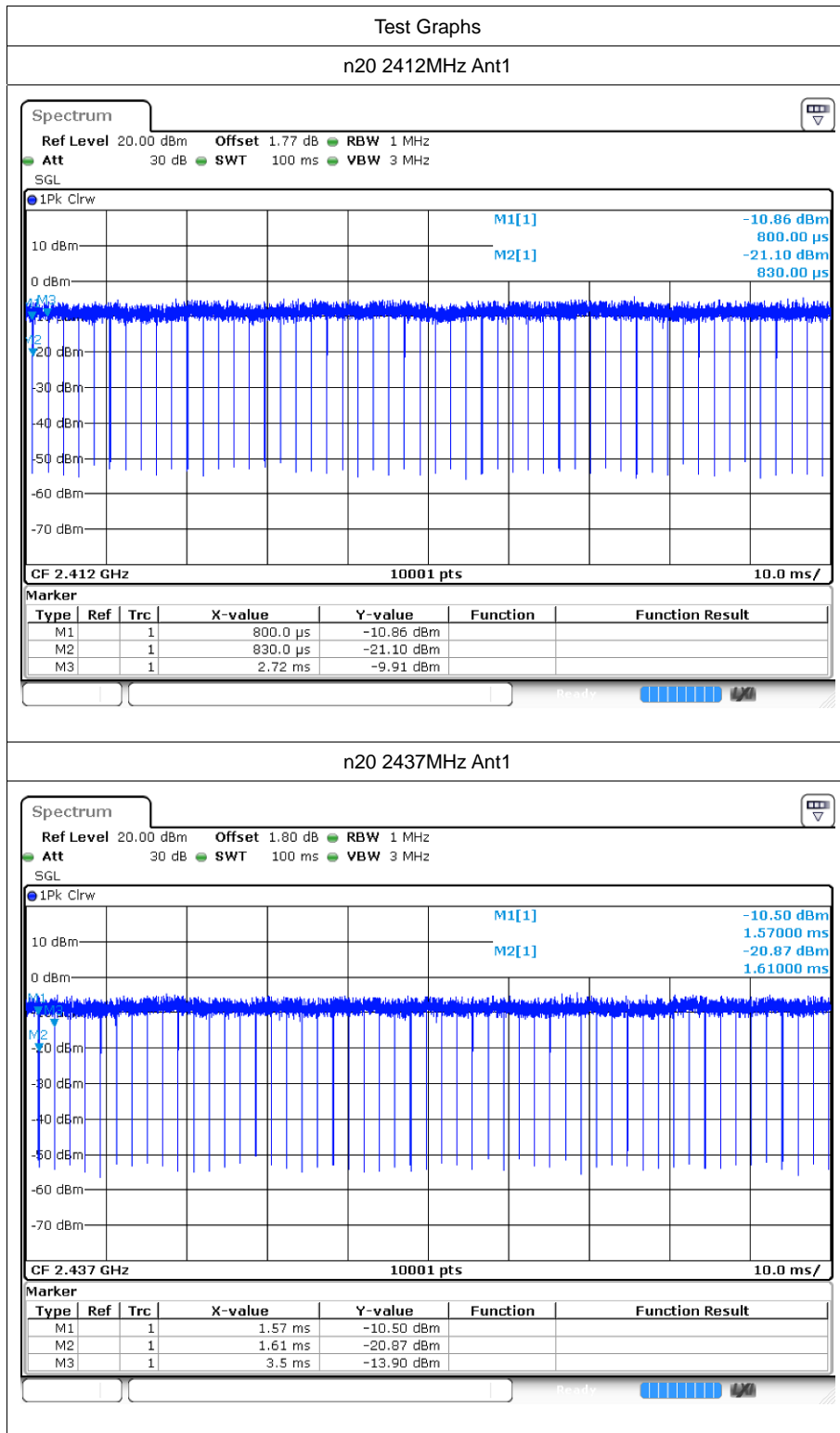


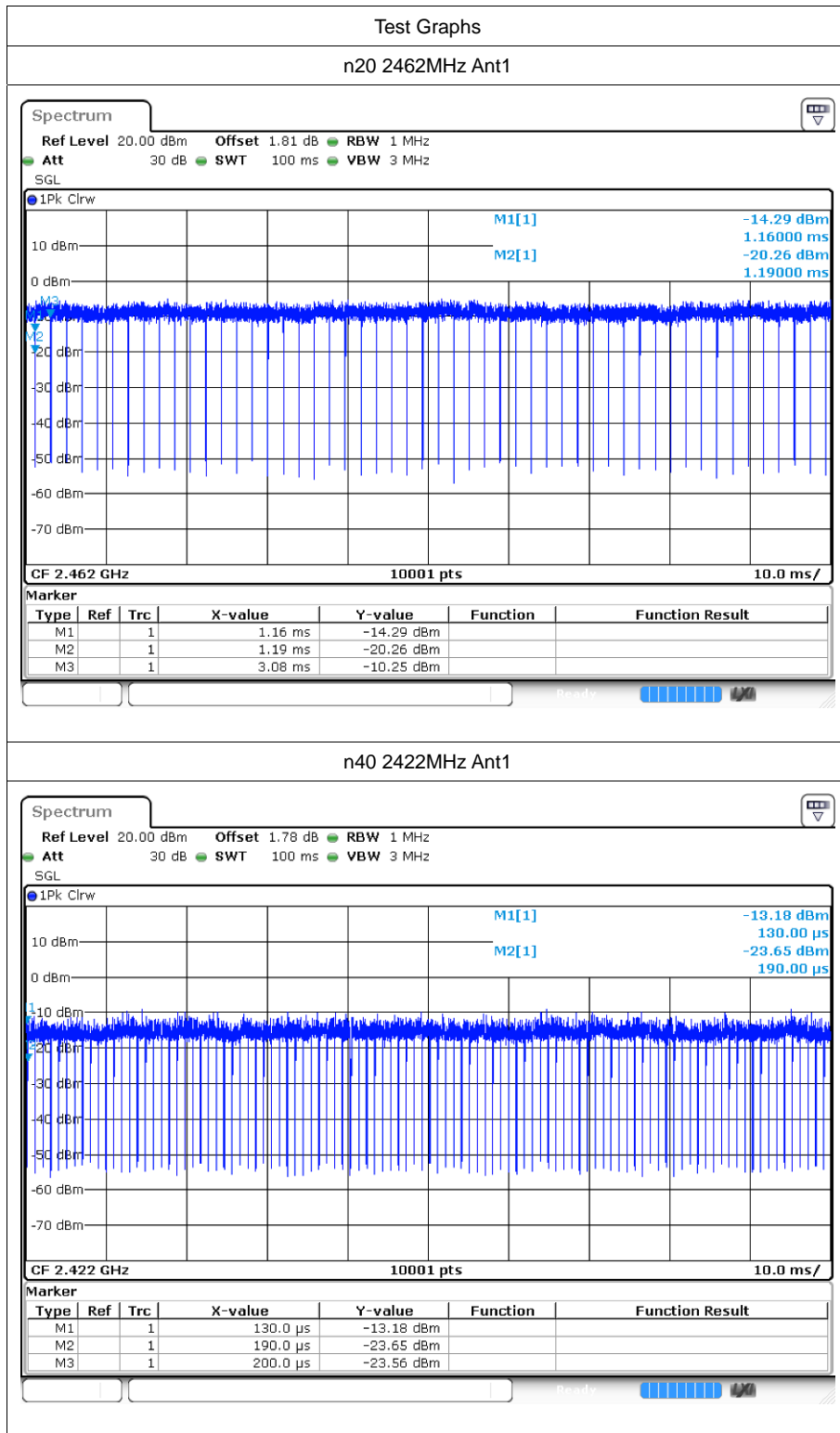
1.2 Test Graphs

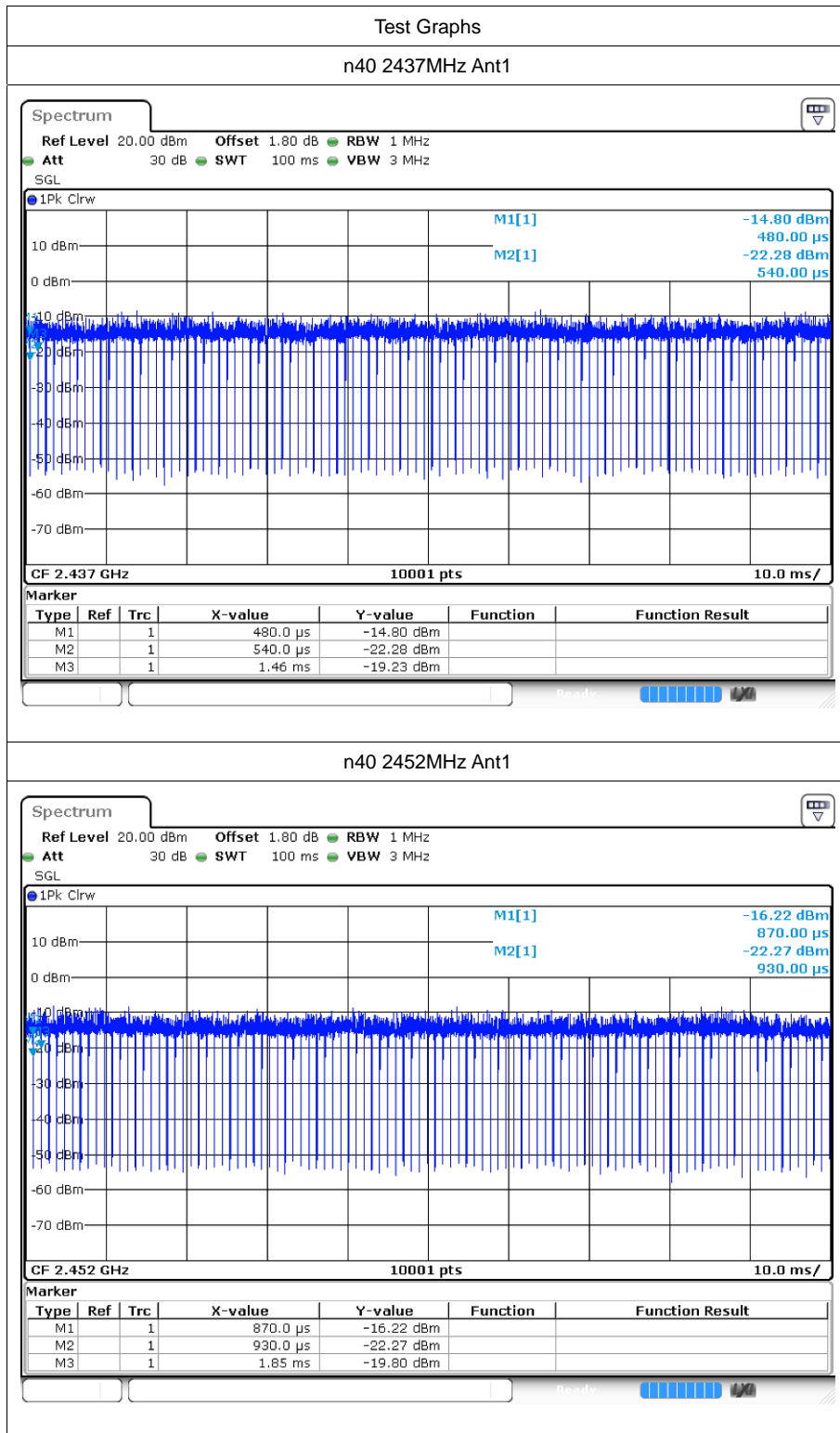














2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	3.44	30	Pass
b	2437	Ant1	3.82	30	Pass
b	2462	Ant1	3.84	30	Pass
g	2412	Ant1	3.91	30	Pass
g	2437	Ant1	3.6	30	Pass
g	2462	Ant1	3.6	30	Pass
n20	2412	Ant1	3.7	30	Pass
n20	2437	Ant1	3.73	30	Pass
n20	2462	Ant1	3.82	30	Pass
n40	2422	Ant1	4.01	30	Pass
n40	2437	Ant1	3.97	30	Pass
n40	2452	Ant1	4.12	30	Pass

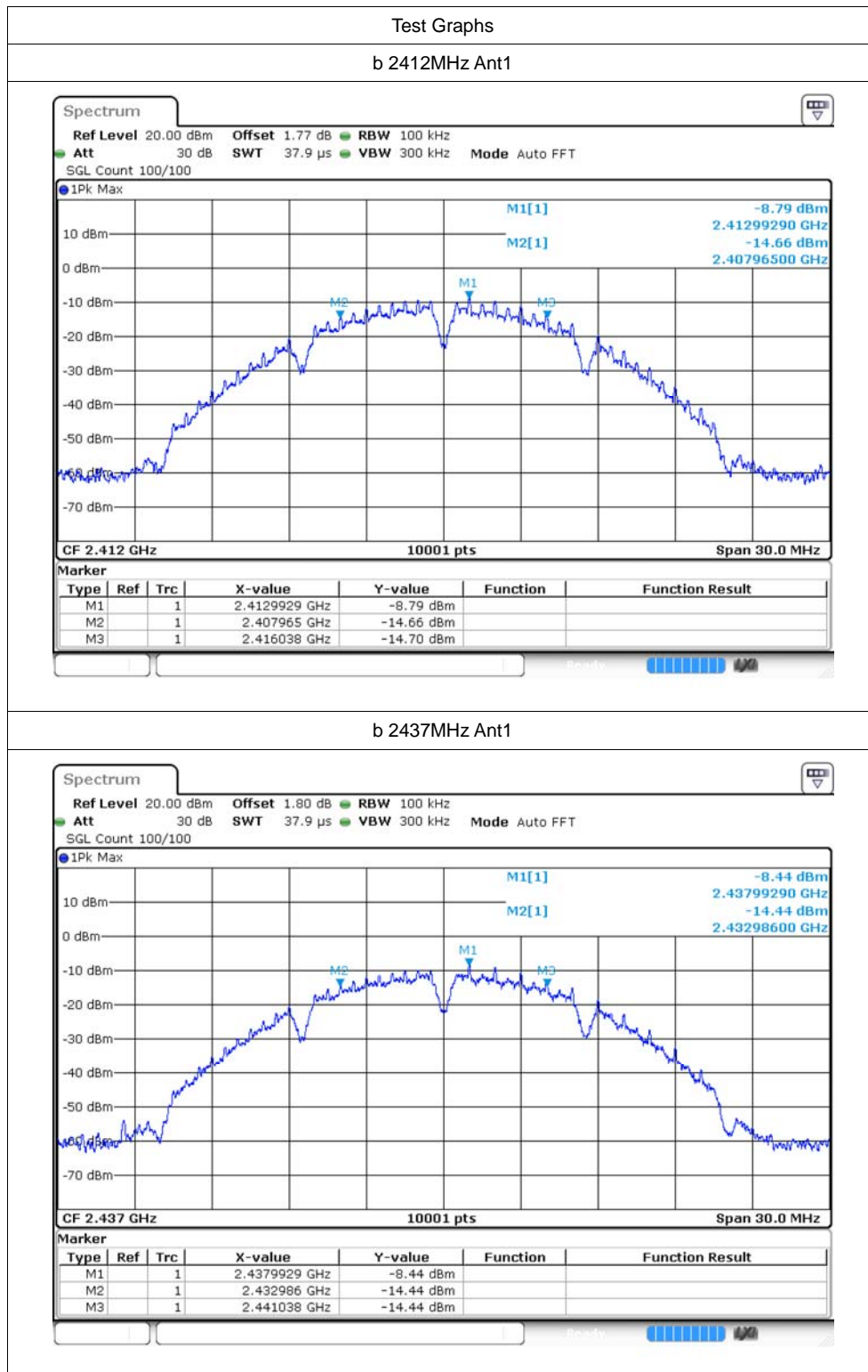


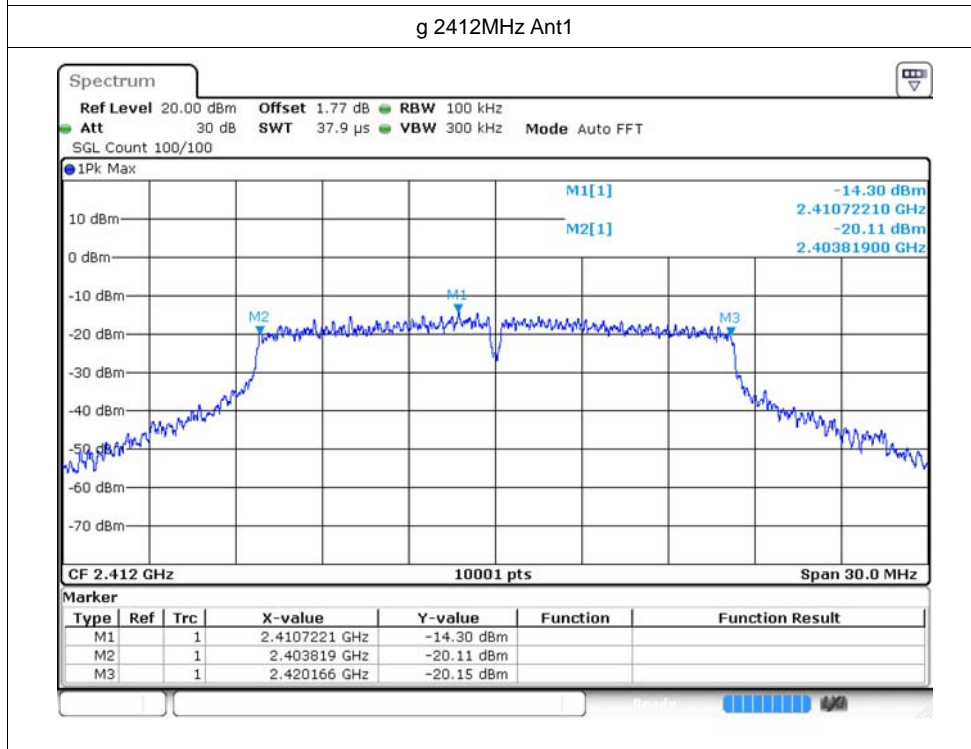
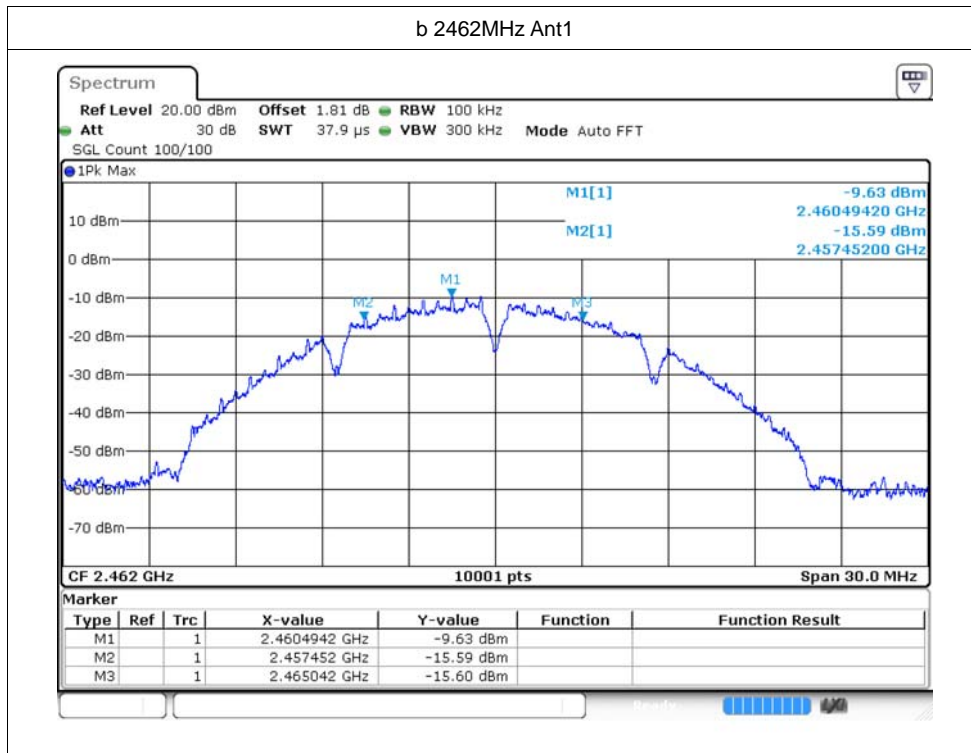
3 -6dB Bandwidth

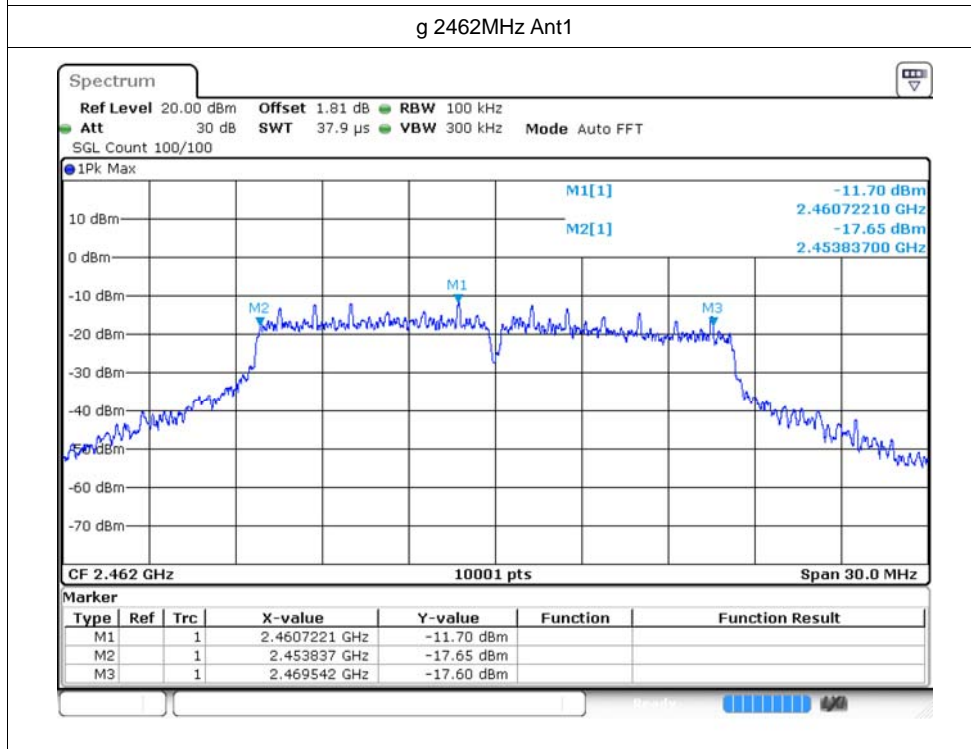
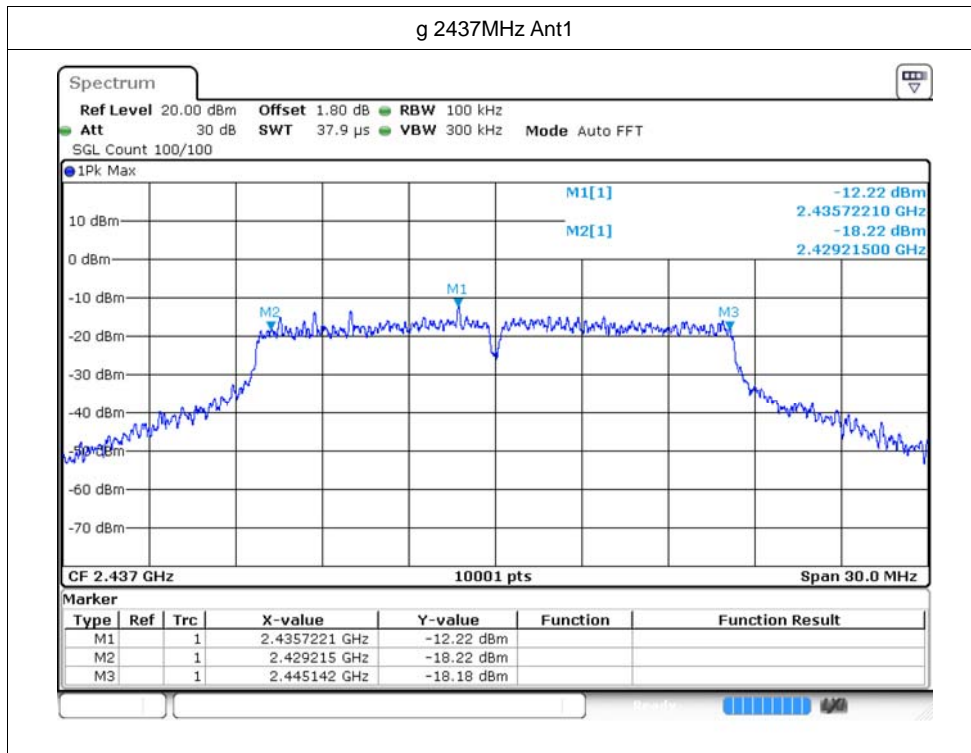
3.1 Test Result

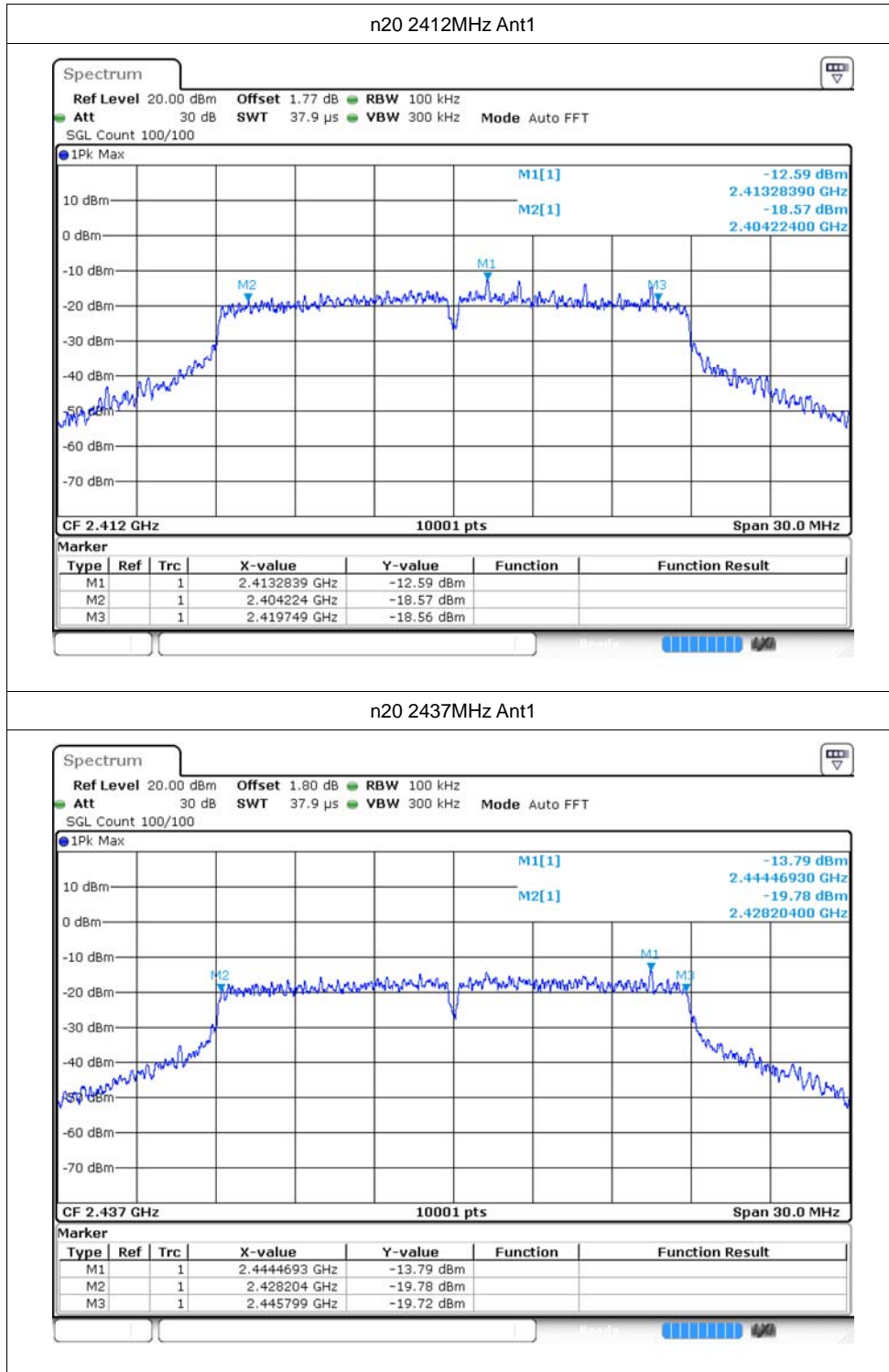
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	8.073	0.5	Pass
b	2437	Ant1	8.052	0.5	Pass
b	2462	Ant1	7.59	0.5	Pass
g	2412	Ant1	16.347	0.5	Pass
g	2437	Ant1	15.927	0.5	Pass
g	2462	Ant1	15.705	0.5	Pass
n20	2412	Ant1	15.525	0.5	Pass
n20	2437	Ant1	17.595	0.5	Pass
n20	2462	Ant1	16.32	0.5	Pass
n40	2422	Ant1	35.652	0.5	Pass
n40	2437	Ant1	36.324	0.5	Pass
n40	2452	Ant1	25.674	0.5	Pass

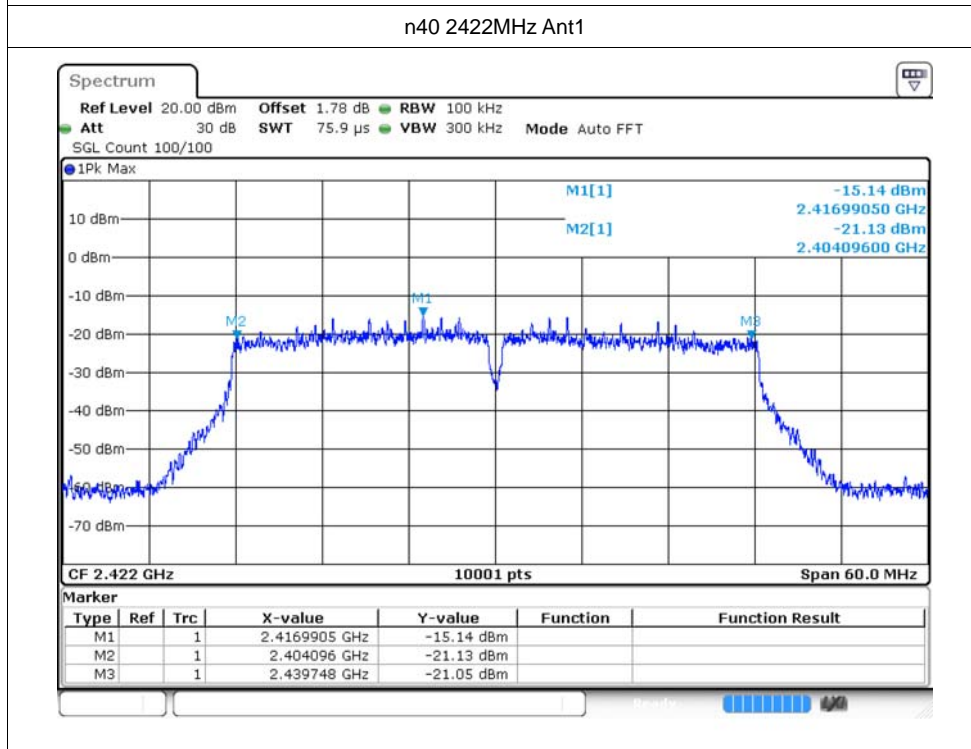
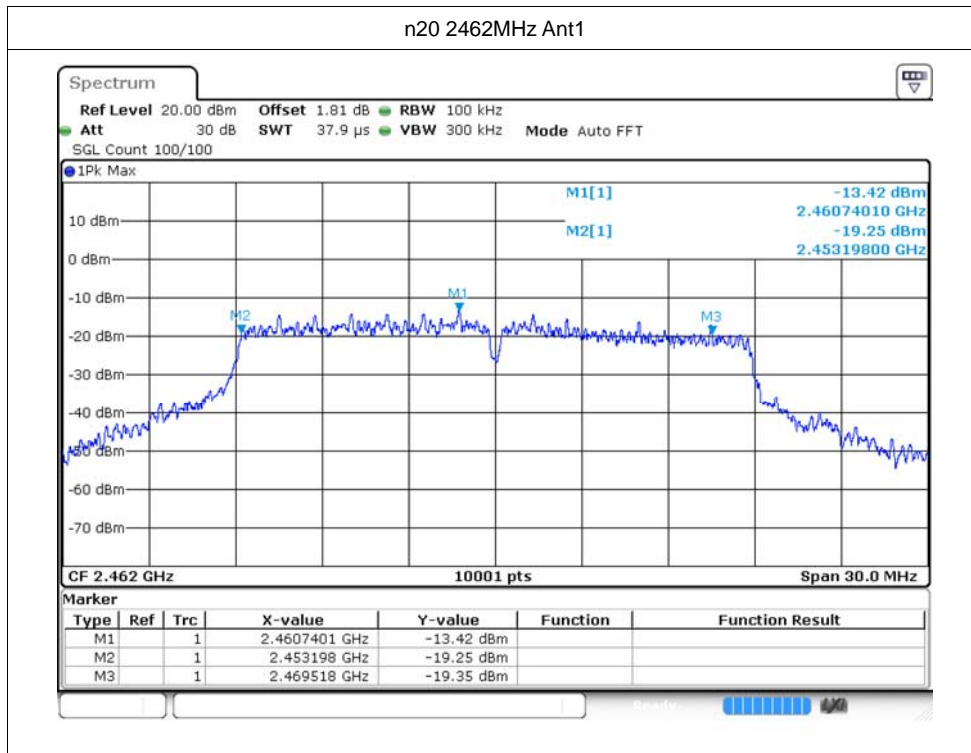
3.2 Test Graphs

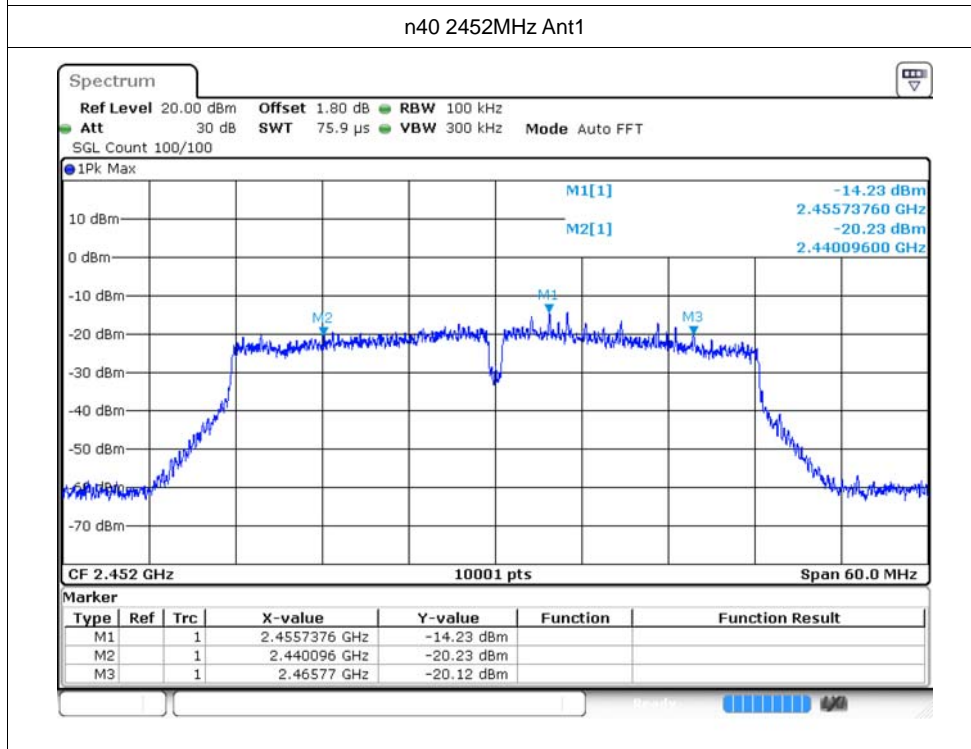
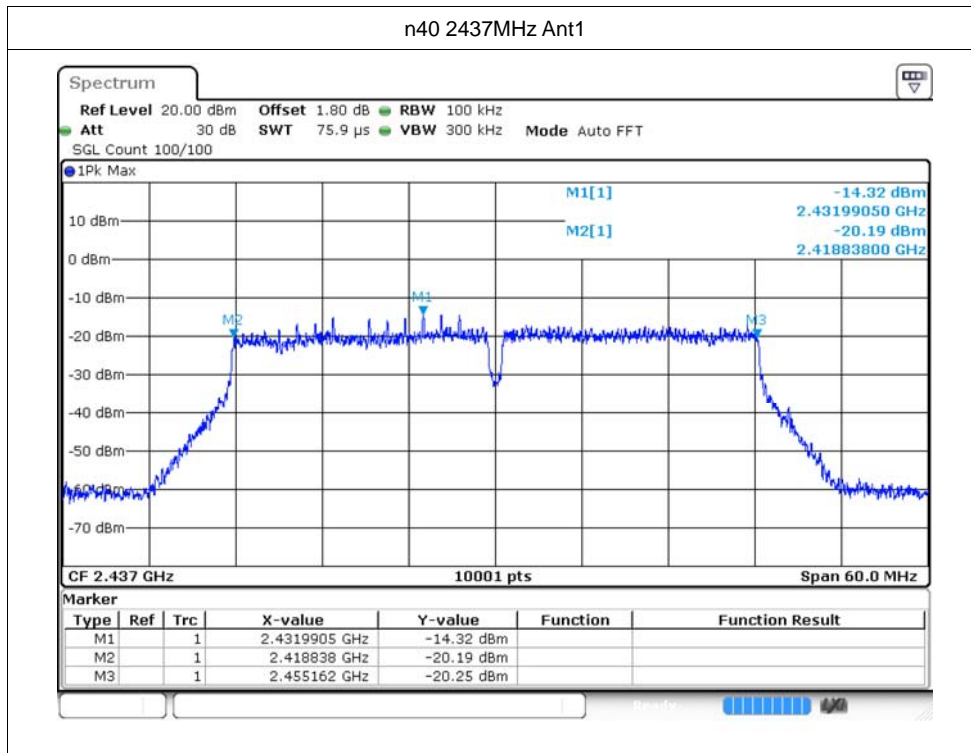














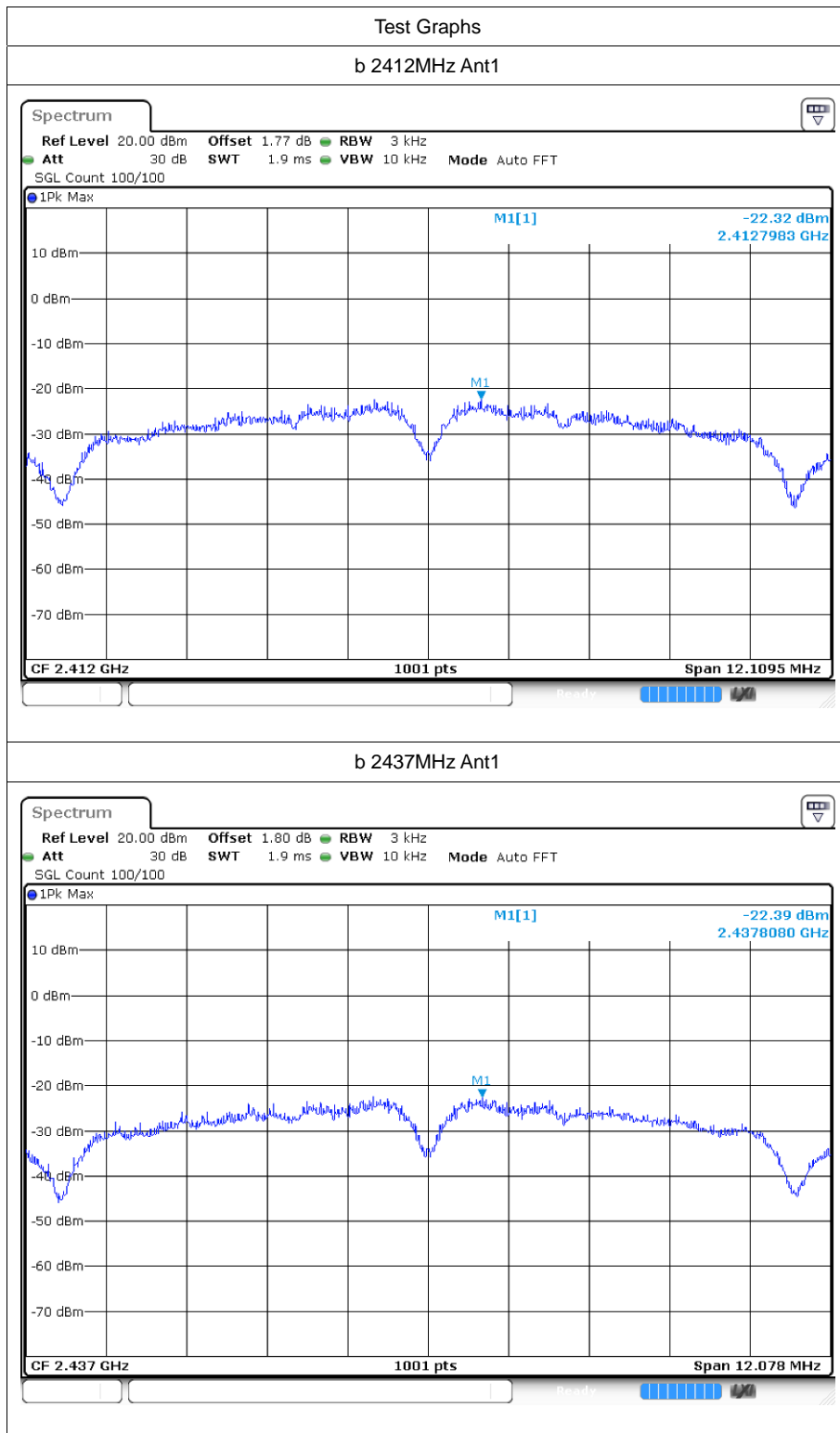
4 Maximum Power Spectral Density Level

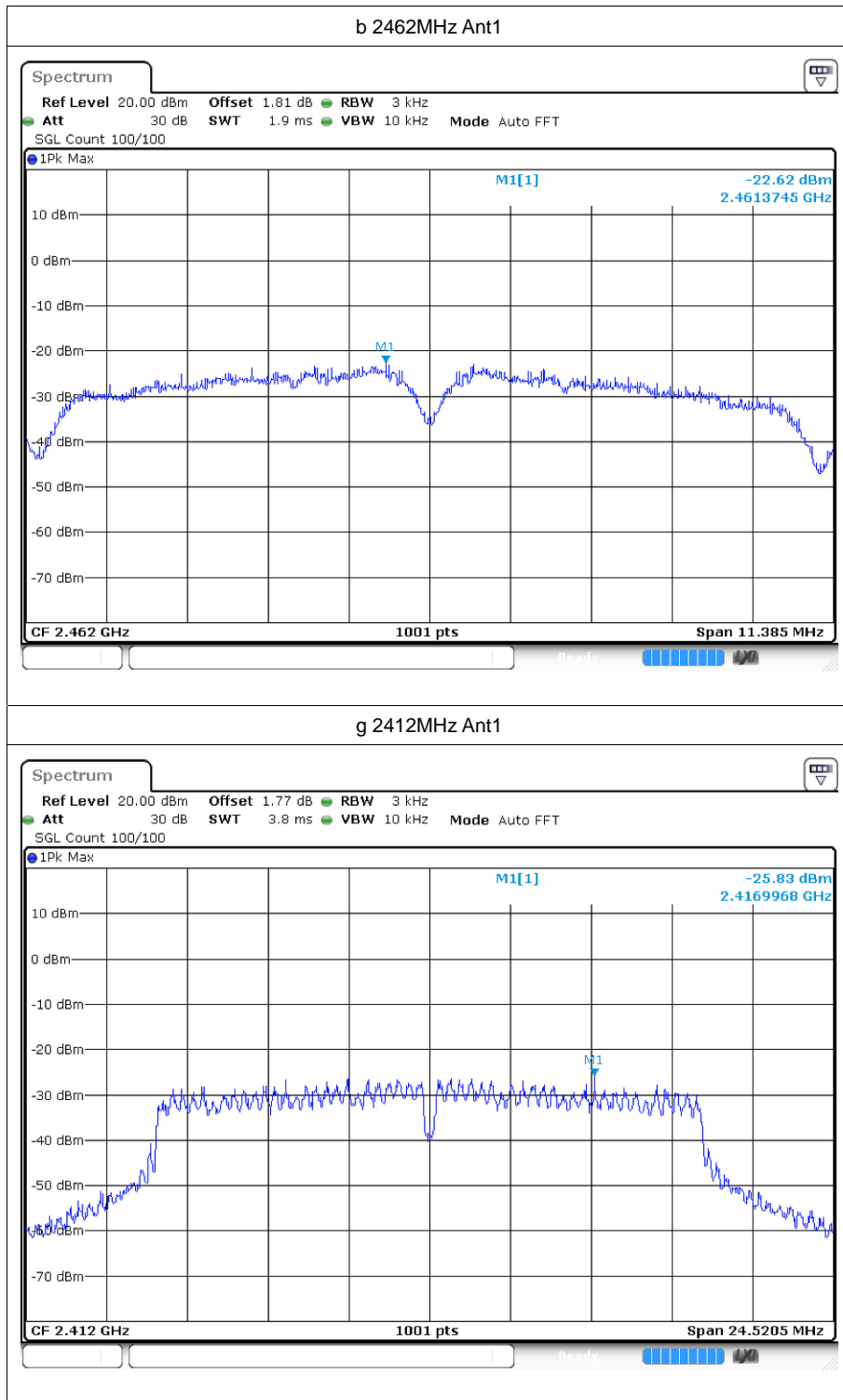
4.1 Test Result

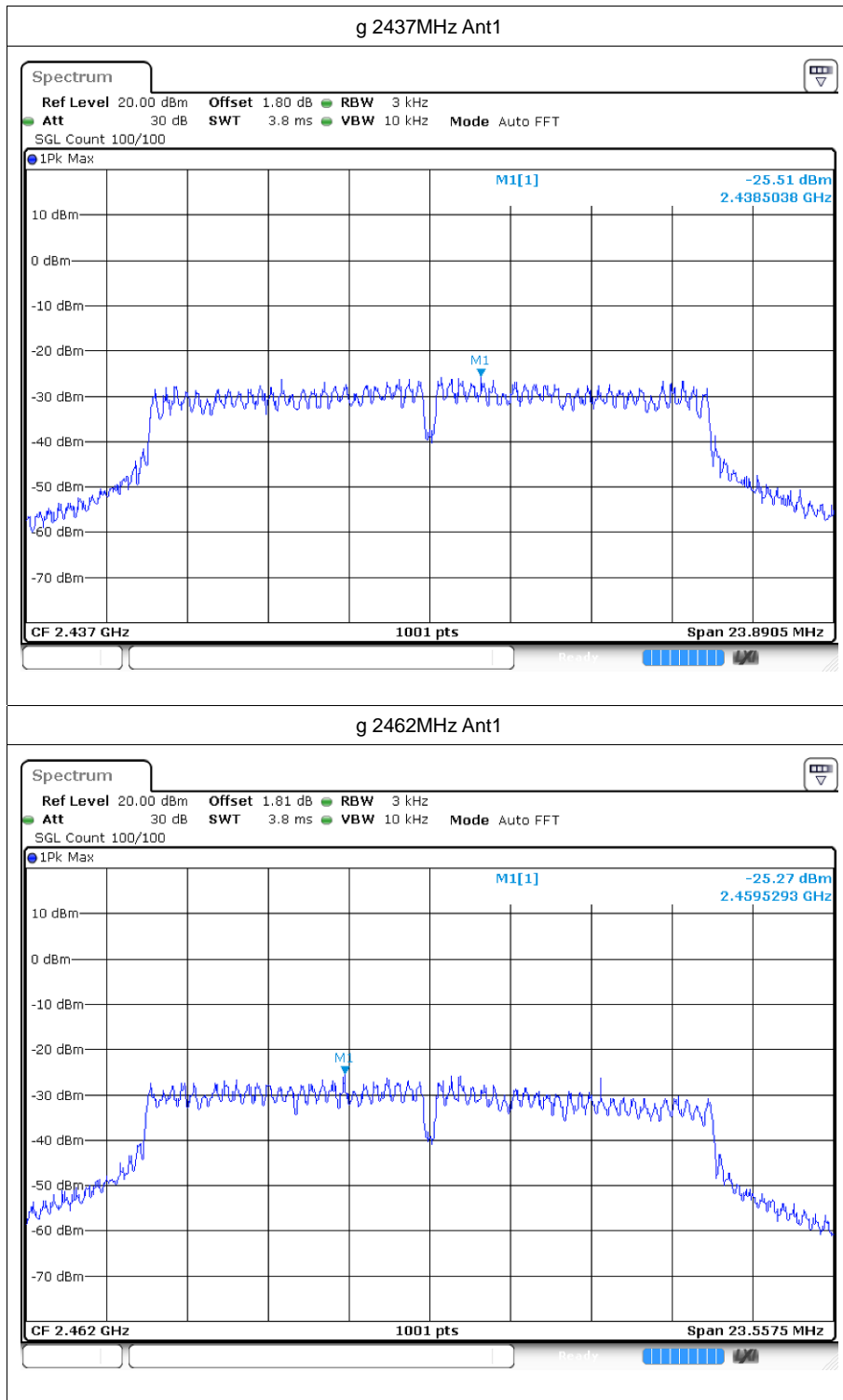
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-22.32	≤8	Pass
b	2437	Ant1	-22.39	≤8	Pass
b	2462	Ant1	-22.62	≤8	Pass
g	2412	Ant1	-25.83	≤8	Pass
g	2437	Ant1	-25.51	≤8	Pass
g	2462	Ant1	-25.27	≤8	Pass
n20	2412	Ant1	-25.78	≤8	Pass
n20	2437	Ant1	-25.62	≤8	Pass
n20	2462	Ant1	-26.03	≤8	Pass
n40	2422	Ant1	-29.19	≤8	Pass
n40	2437	Ant1	-27.36	≤8	Pass
n40	2452	Ant1	-28.47	≤8	Pass

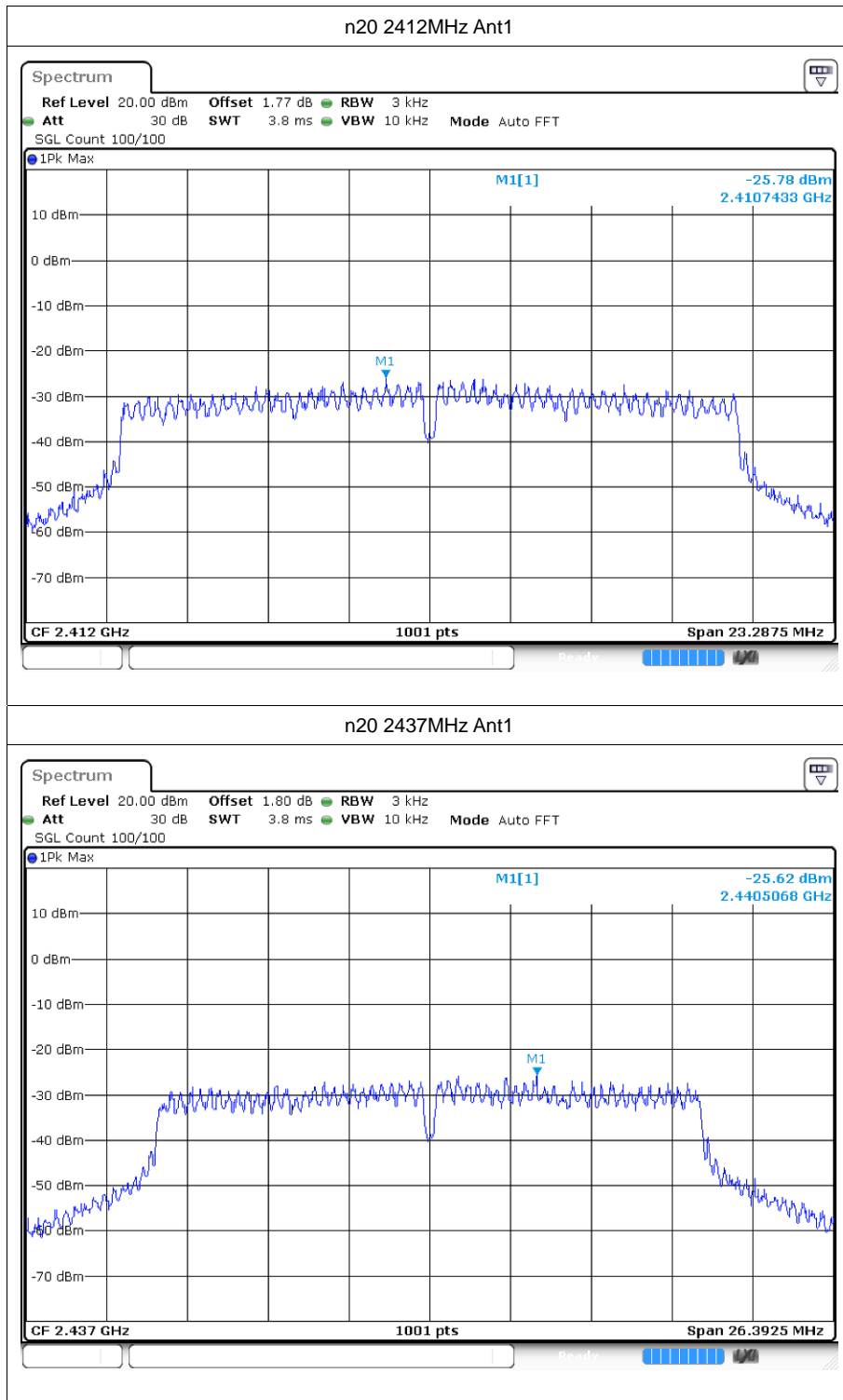


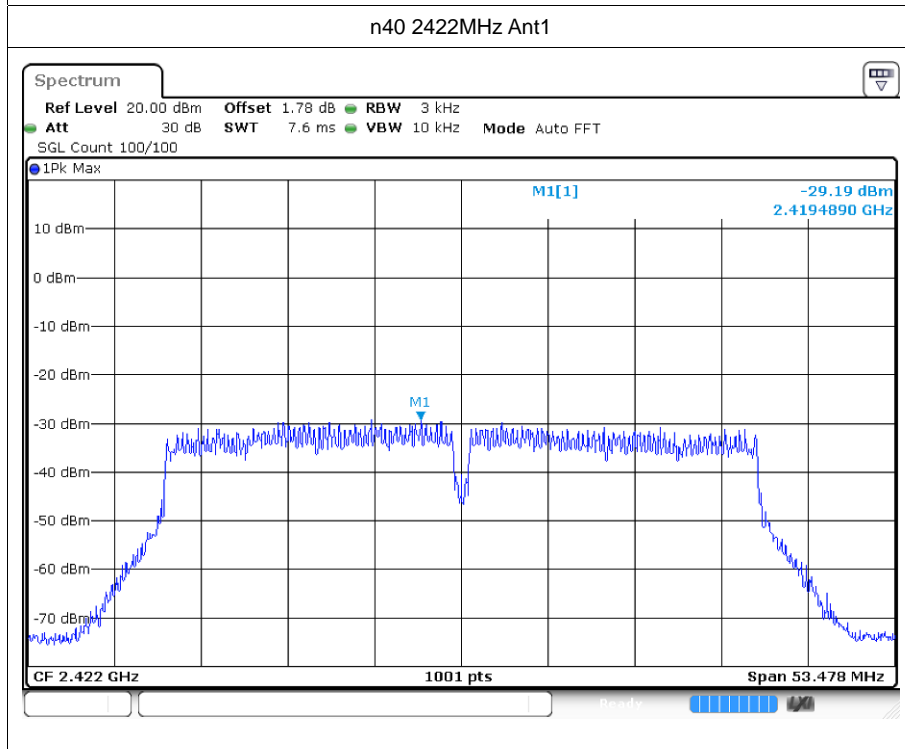
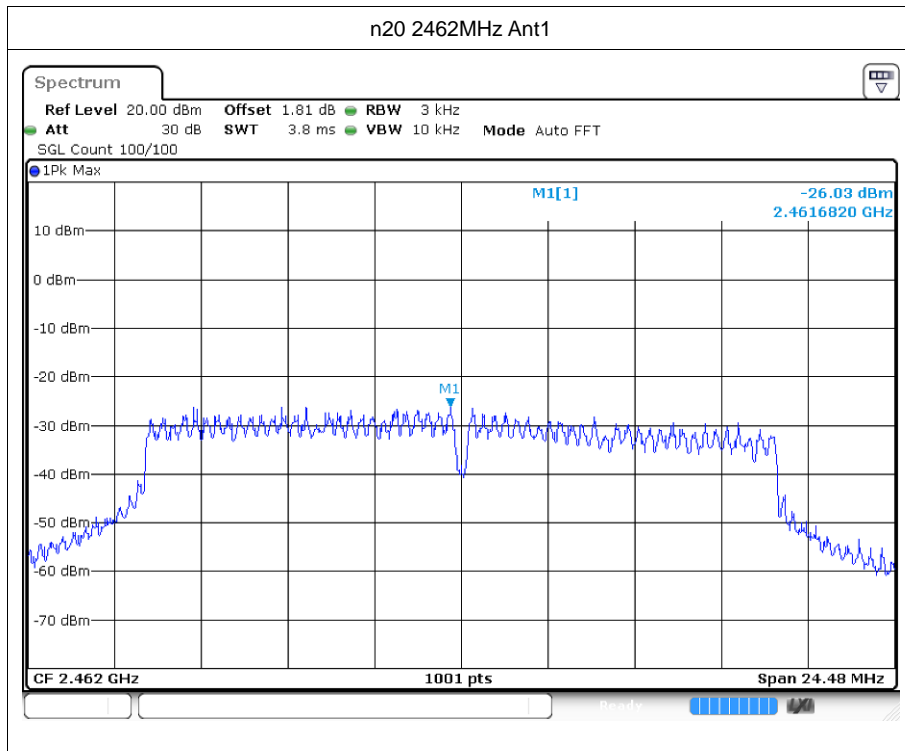
4.2 Test Graphs

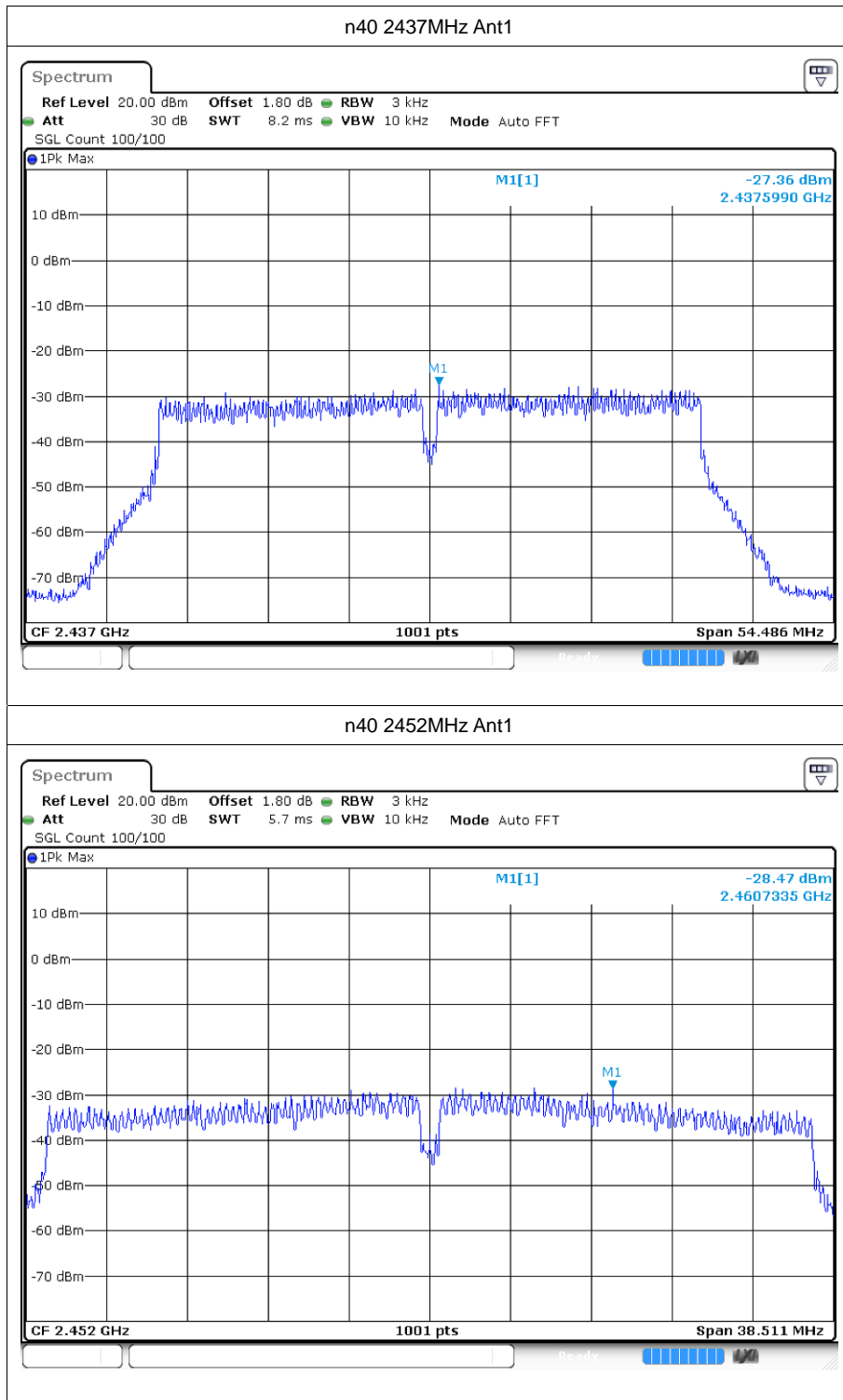












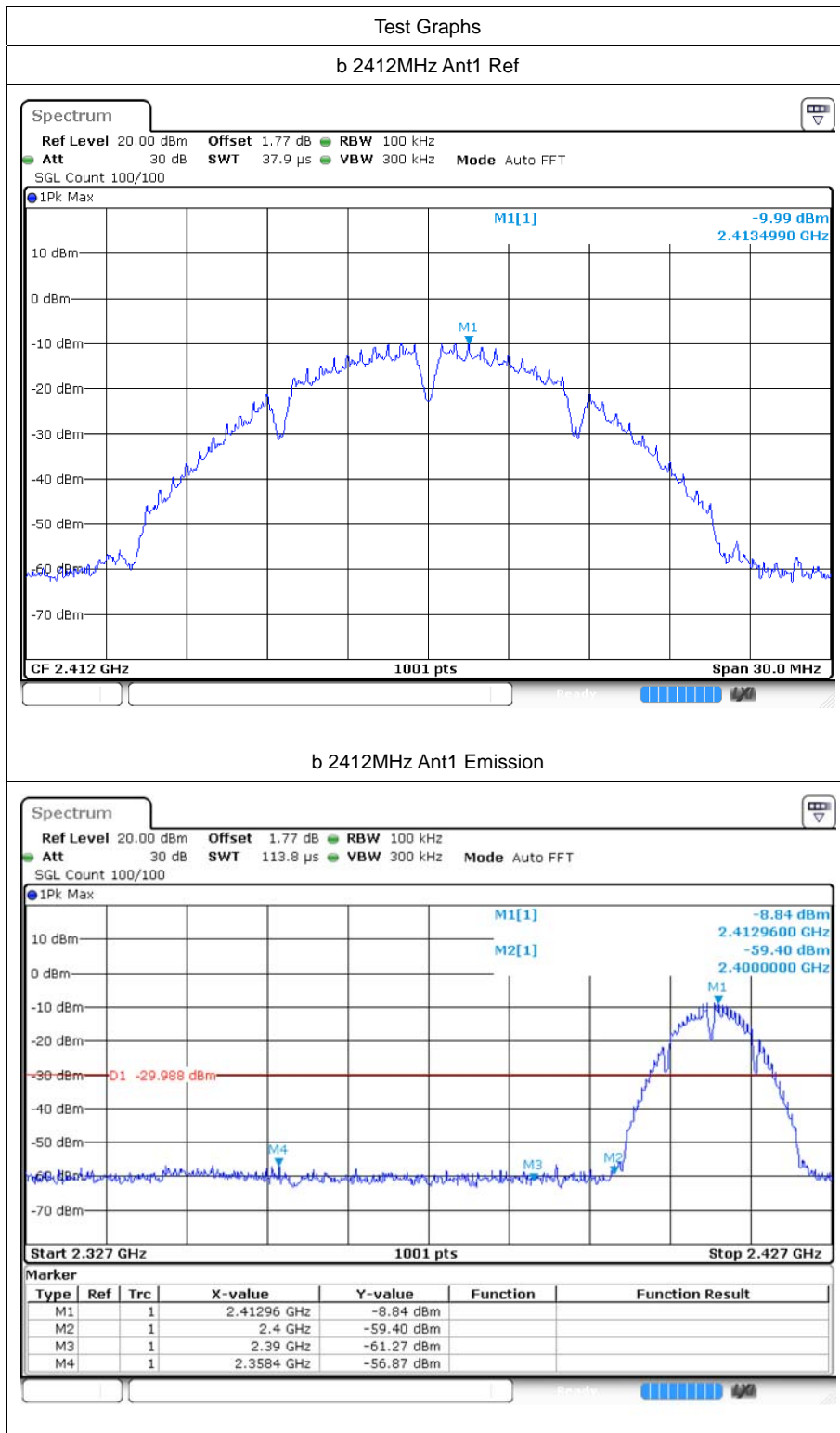


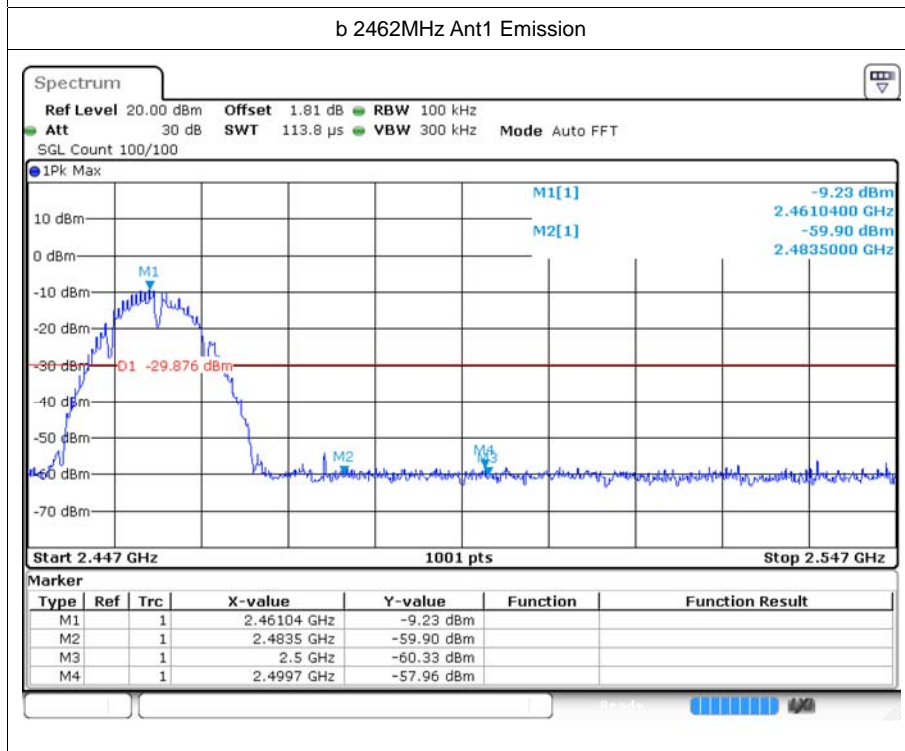
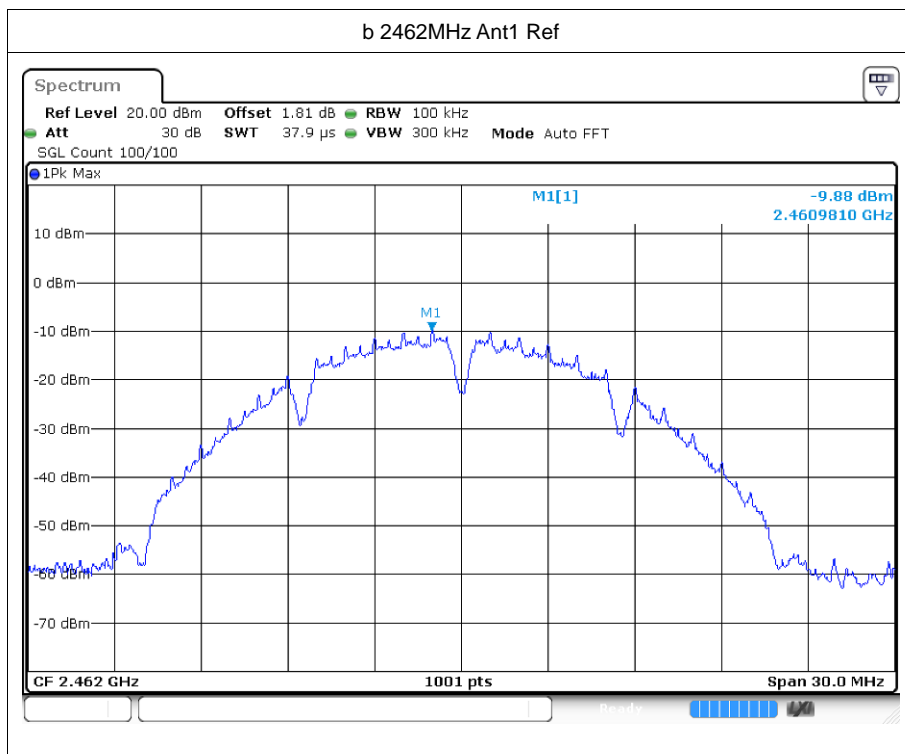
5 Band Edge

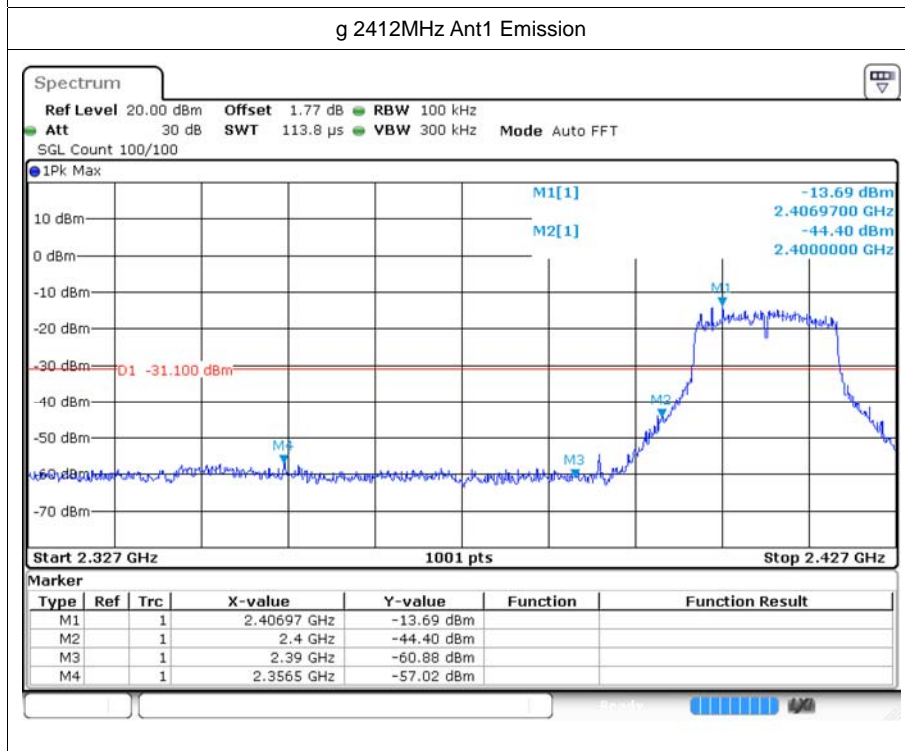
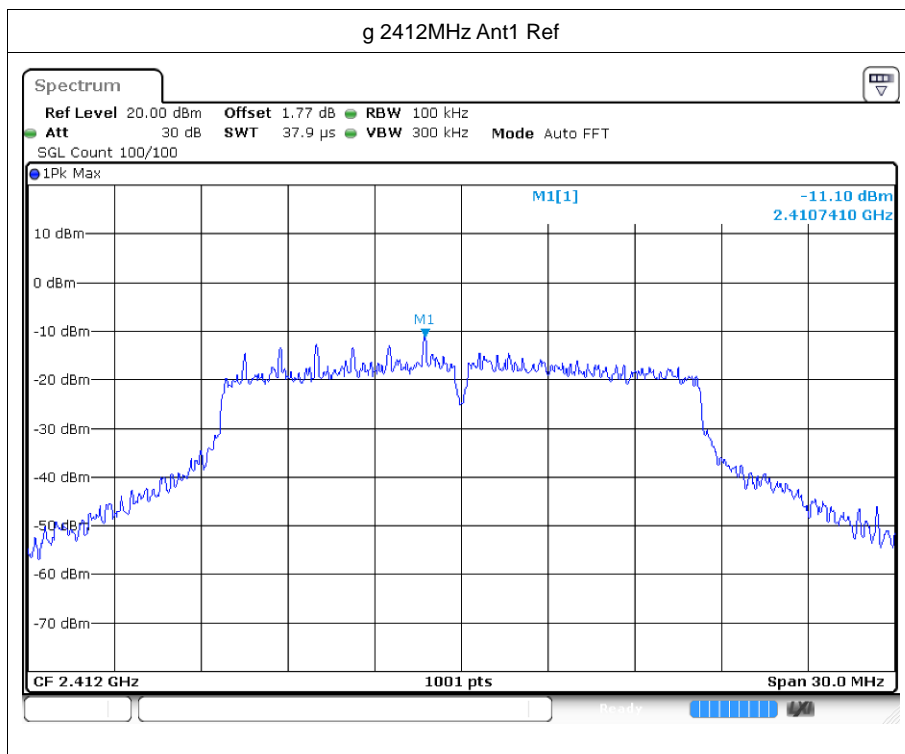
5.1 Test Result

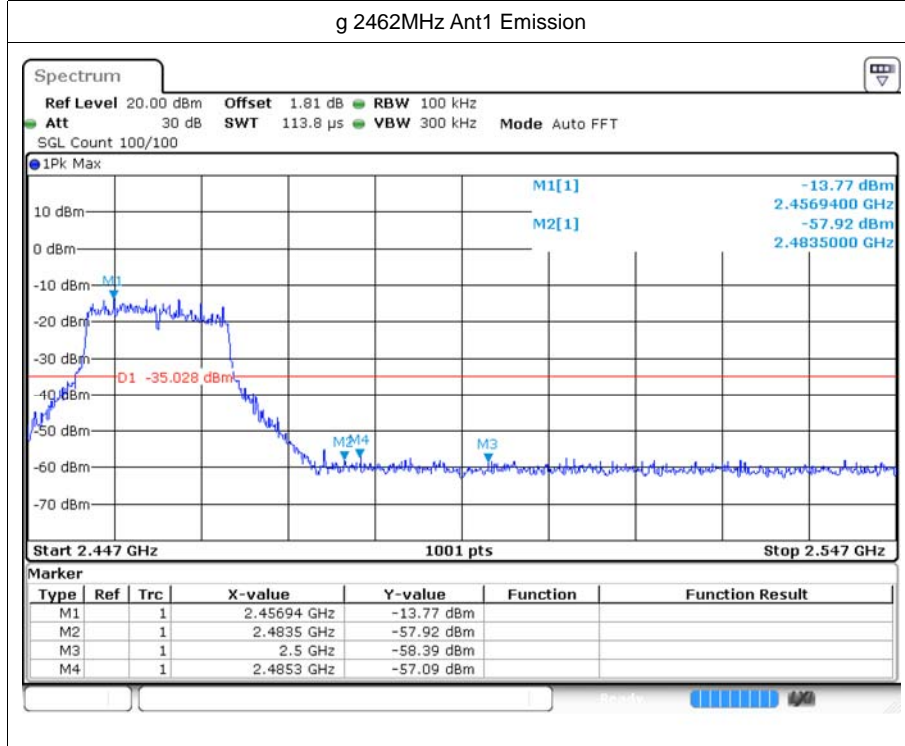
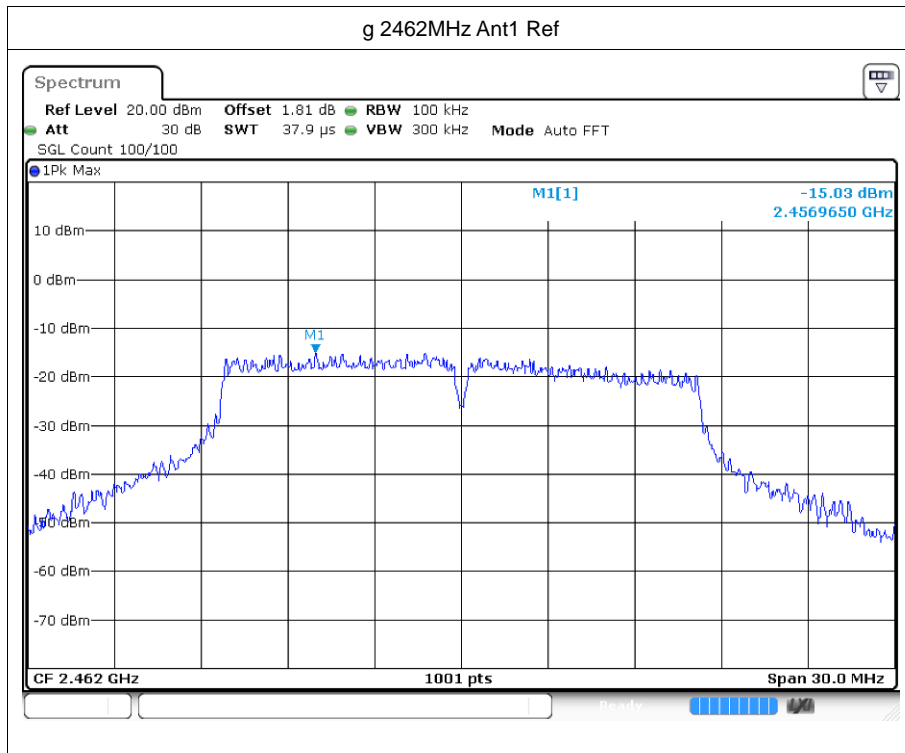
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-46.88	-20	-46.88
b	2462	Ant1	-48.07	-20	Pass
g	2412	Ant1	-45.91	-20	Pass
g	2462	Ant1	-42.05	-20	Pass
n20	2412	Ant1	-41.49	-20	Pass
n20	2462	Ant1	-44.71	-20	Pass
n40	2422	Ant1	-38.24	-20	Pass
n40	2452	Ant1	-33.64	-20	Pass

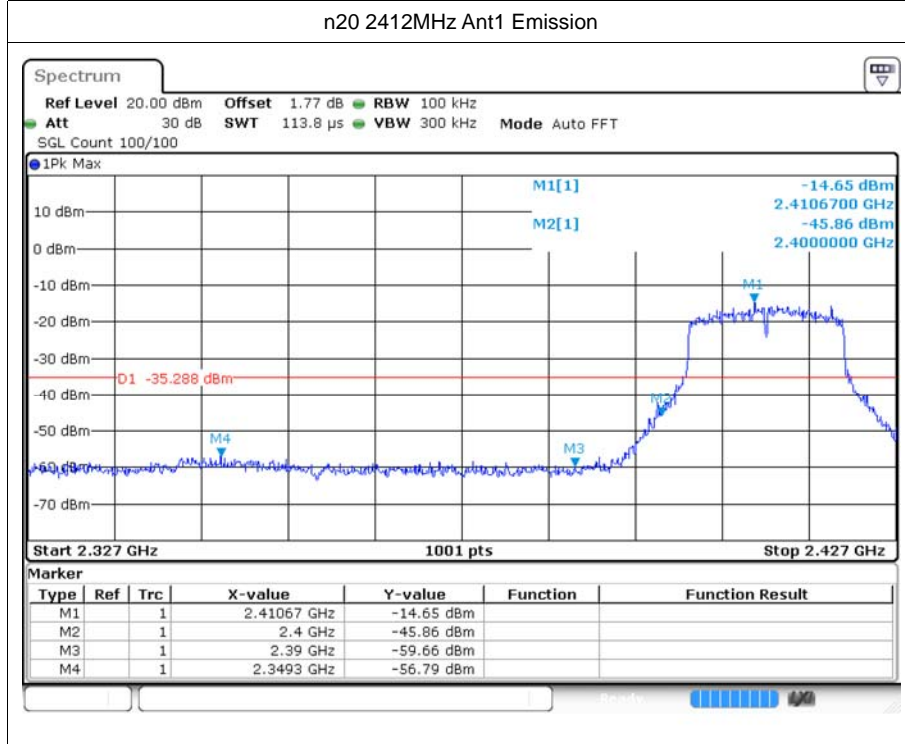
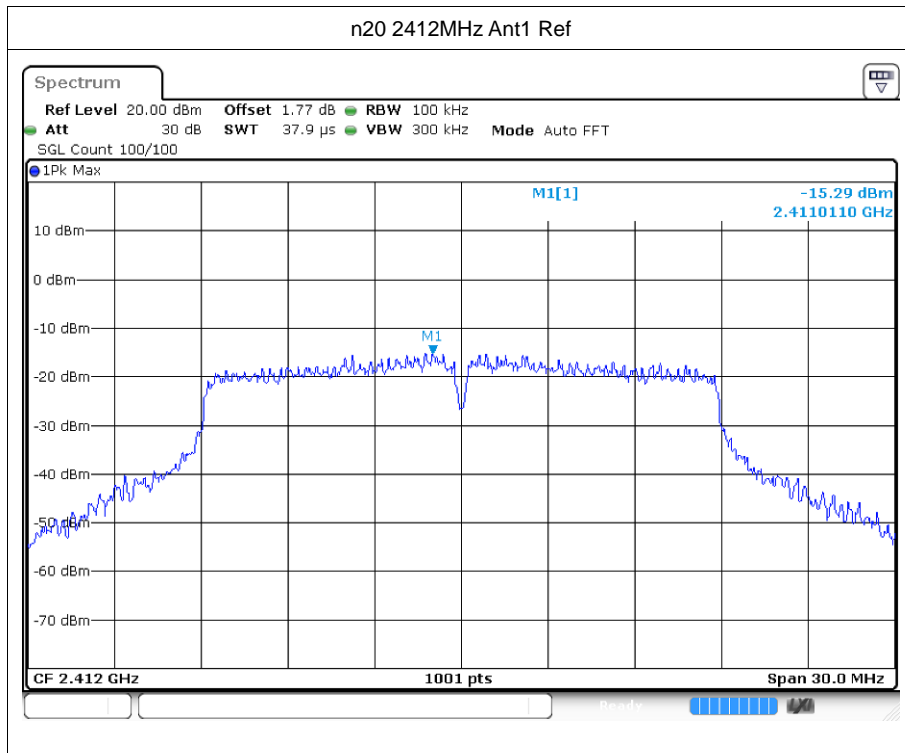
5.2 Test Graphs

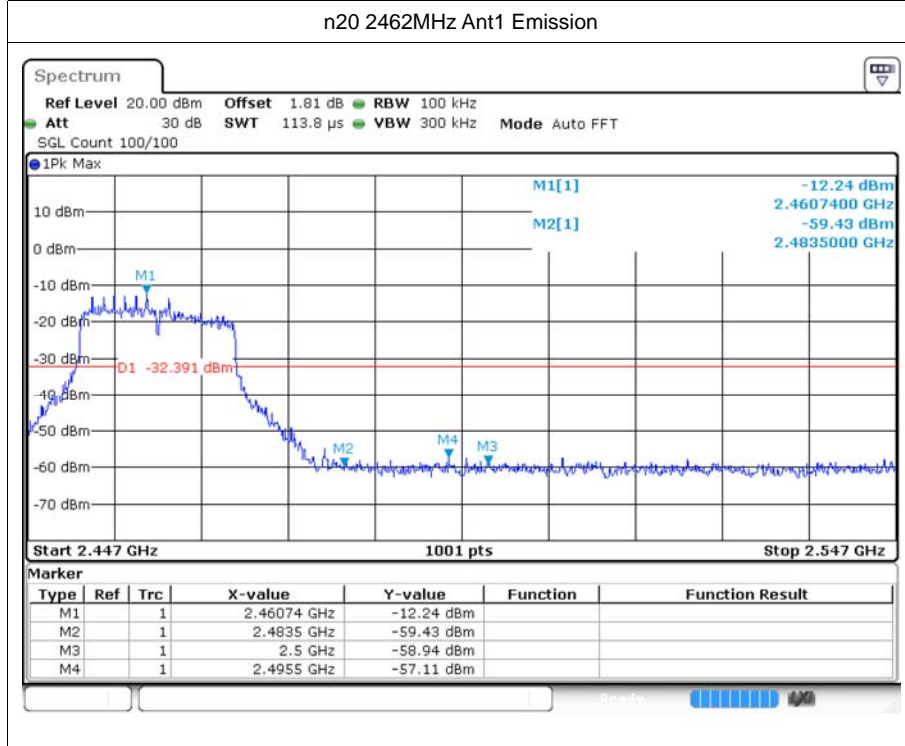
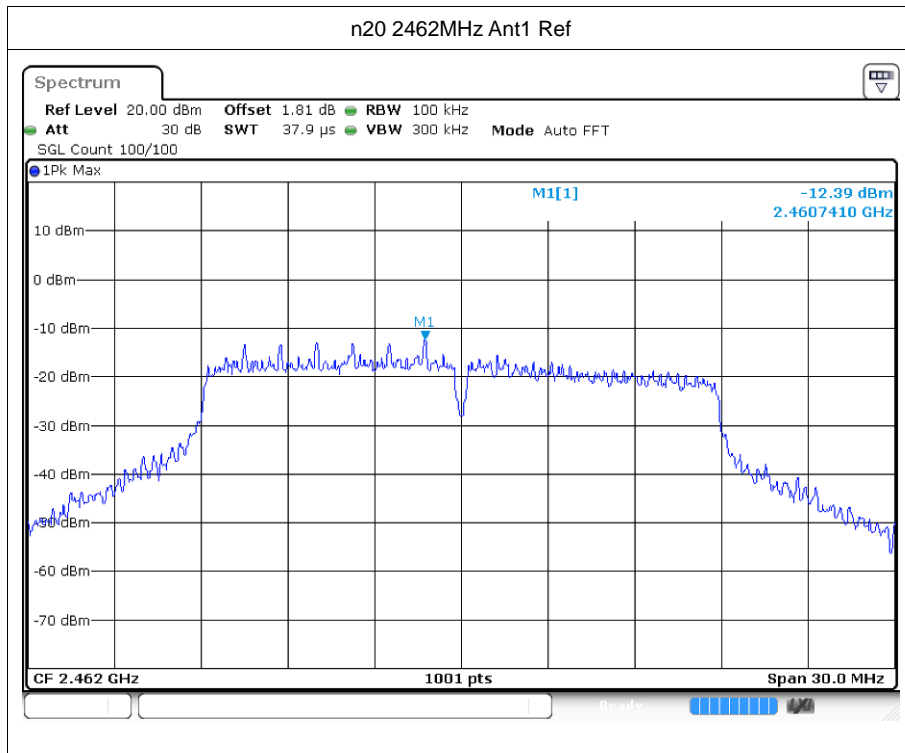


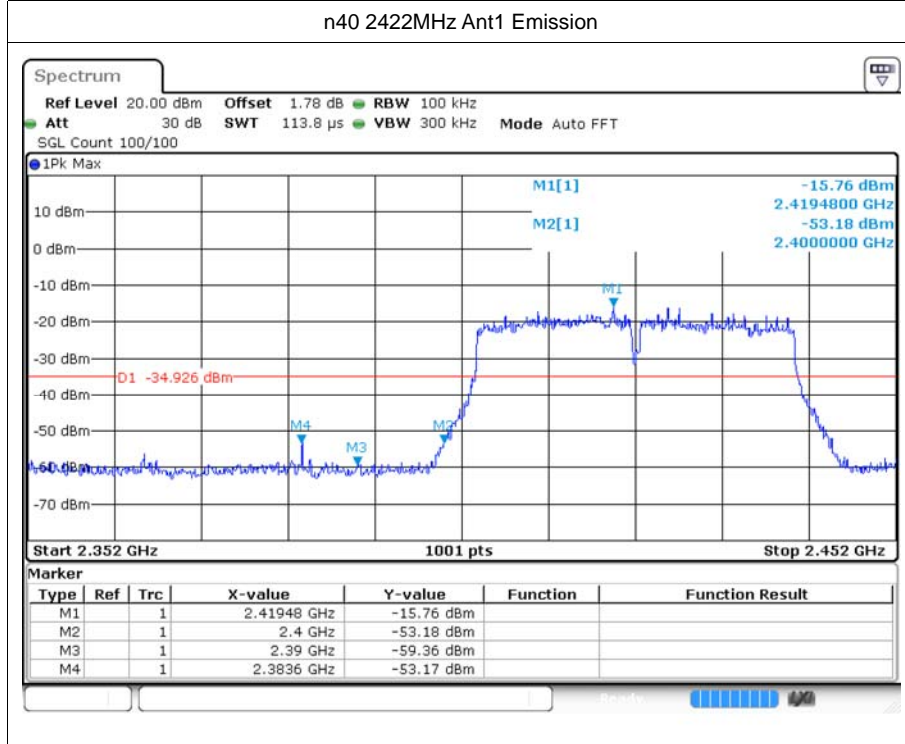
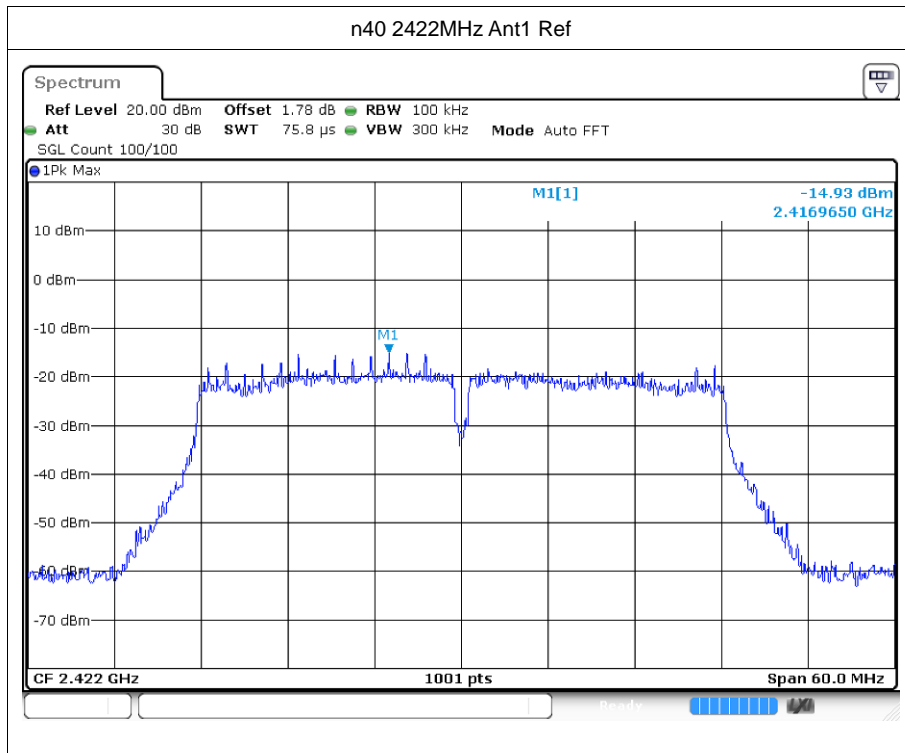


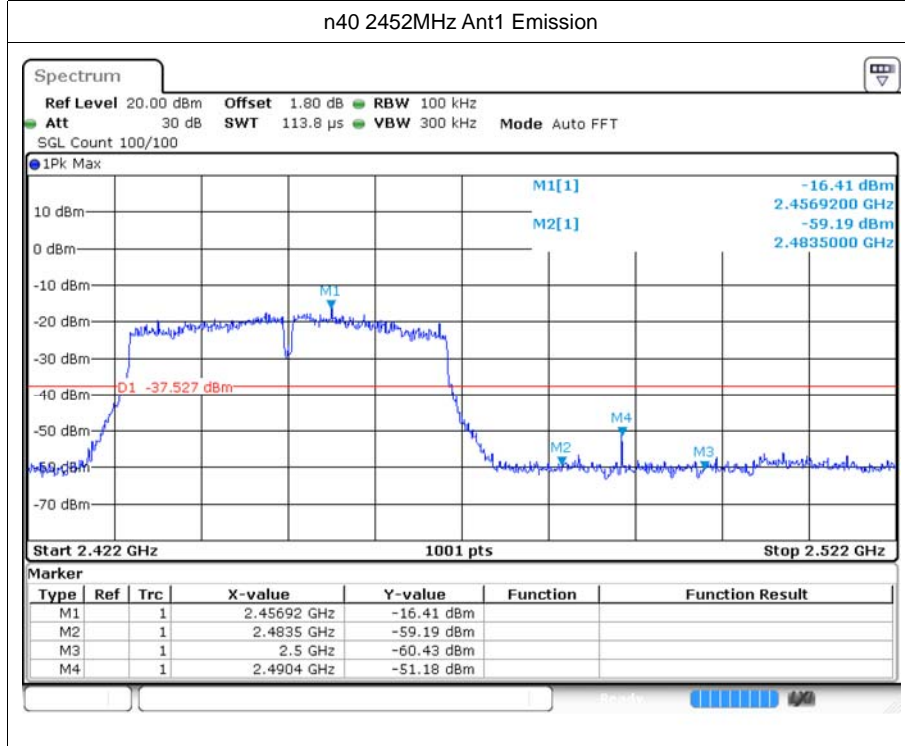
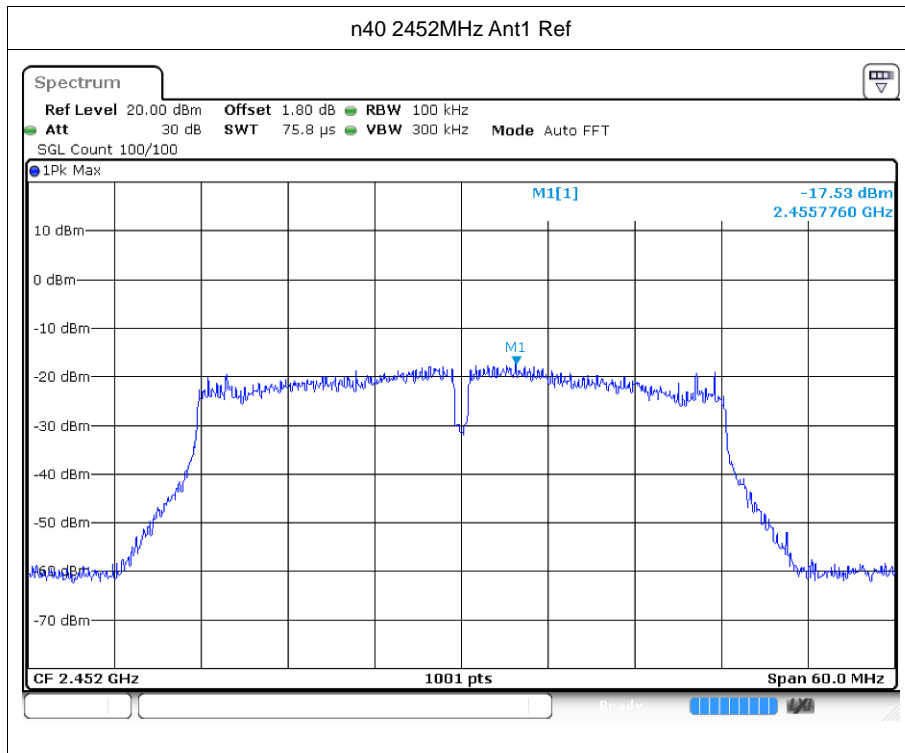












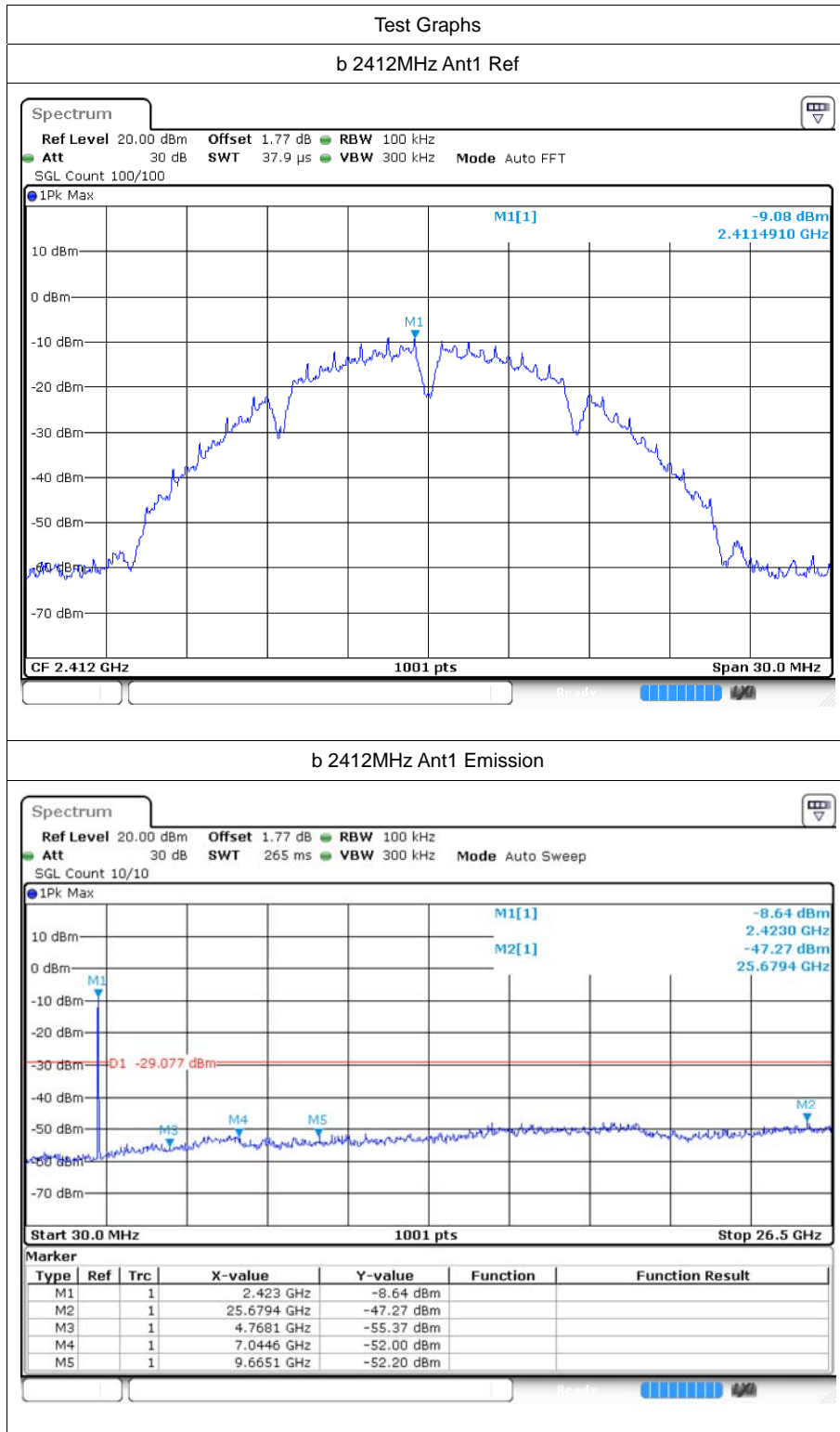


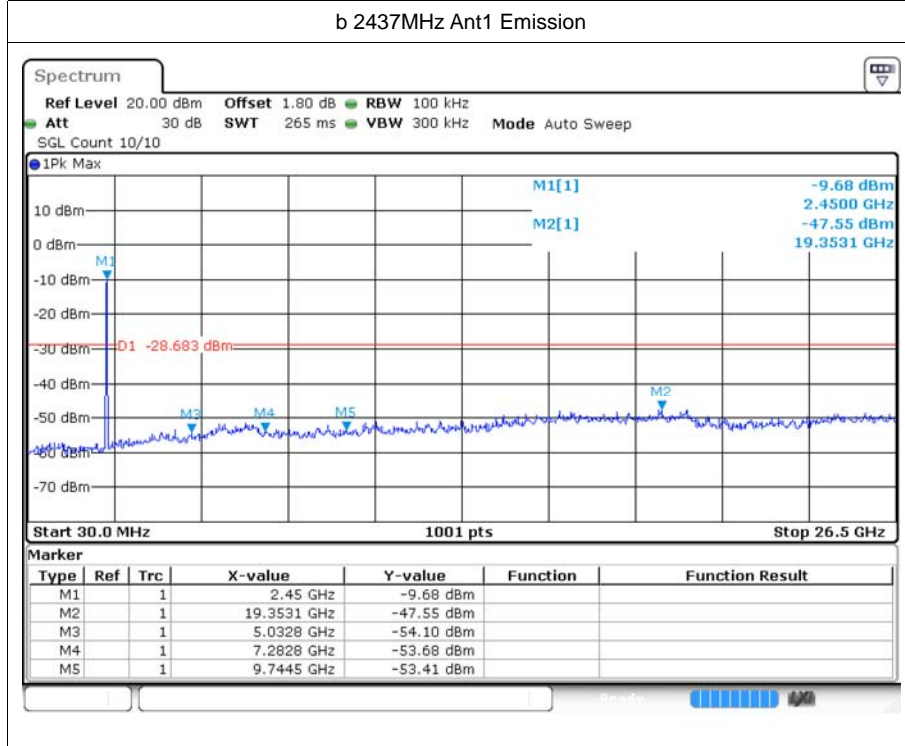
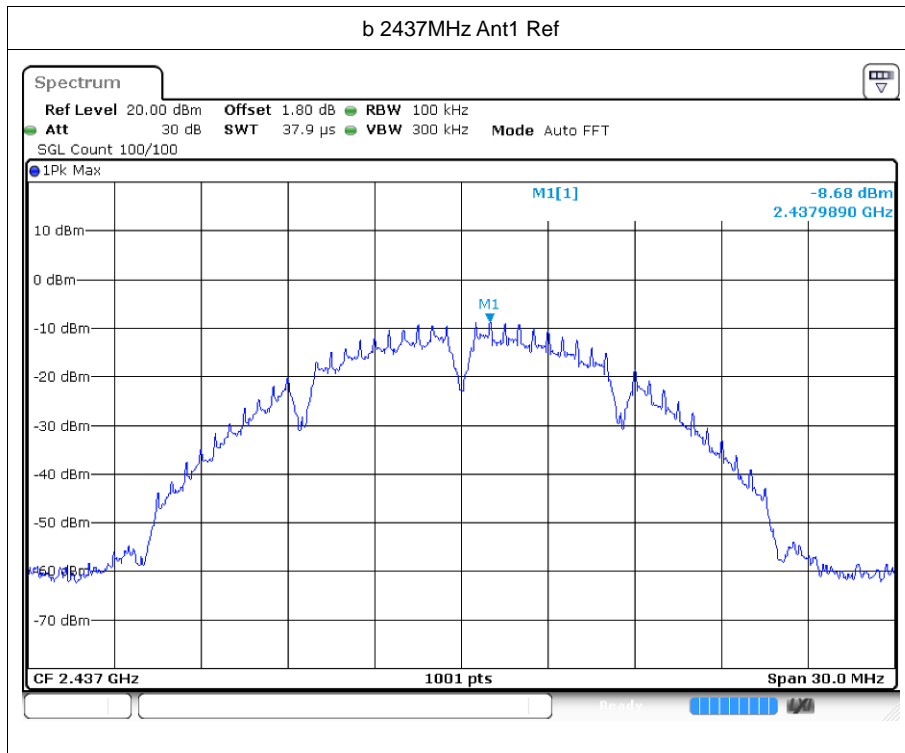
6 Conducted RF Spurious Emission

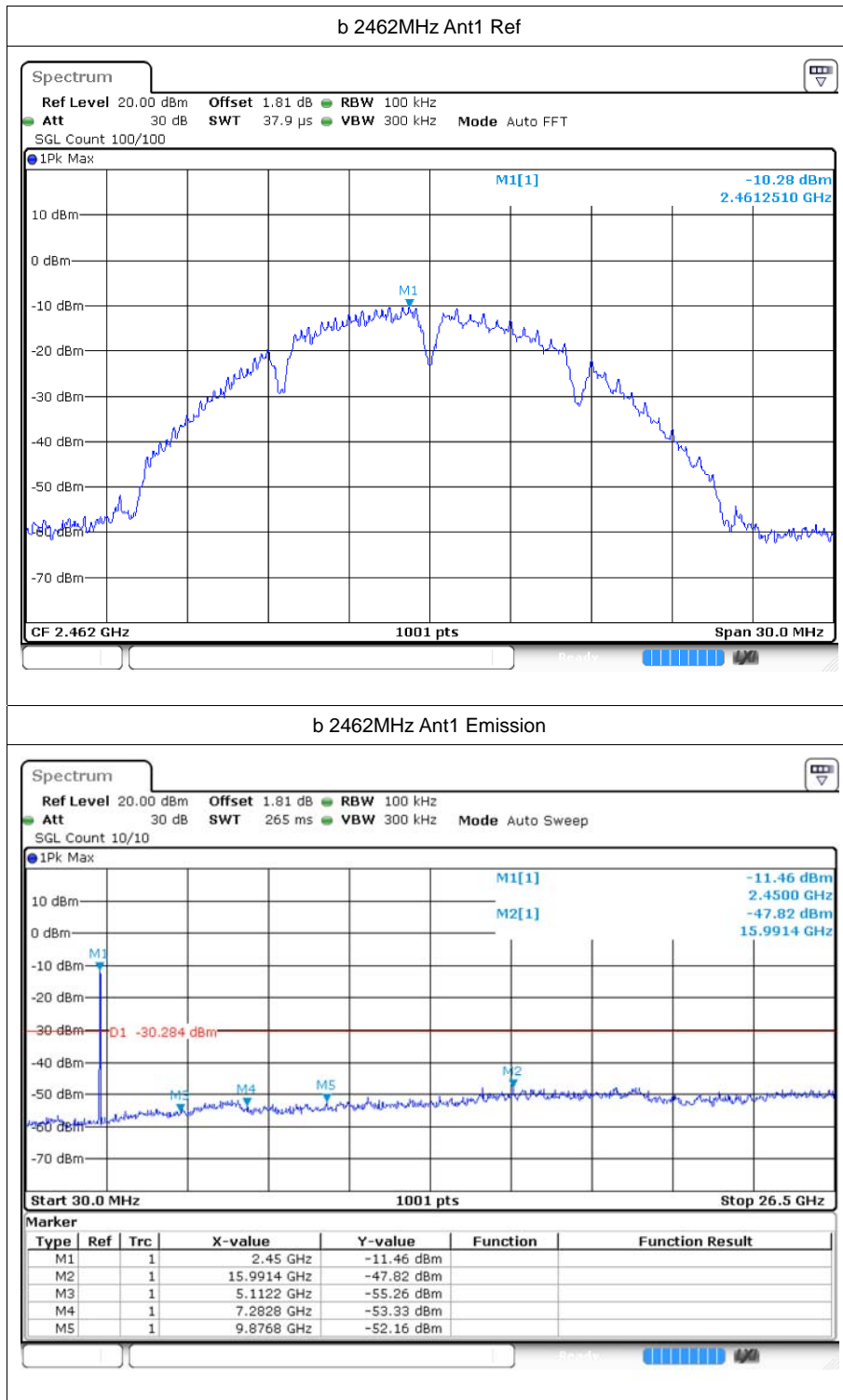
6.1 Test Result

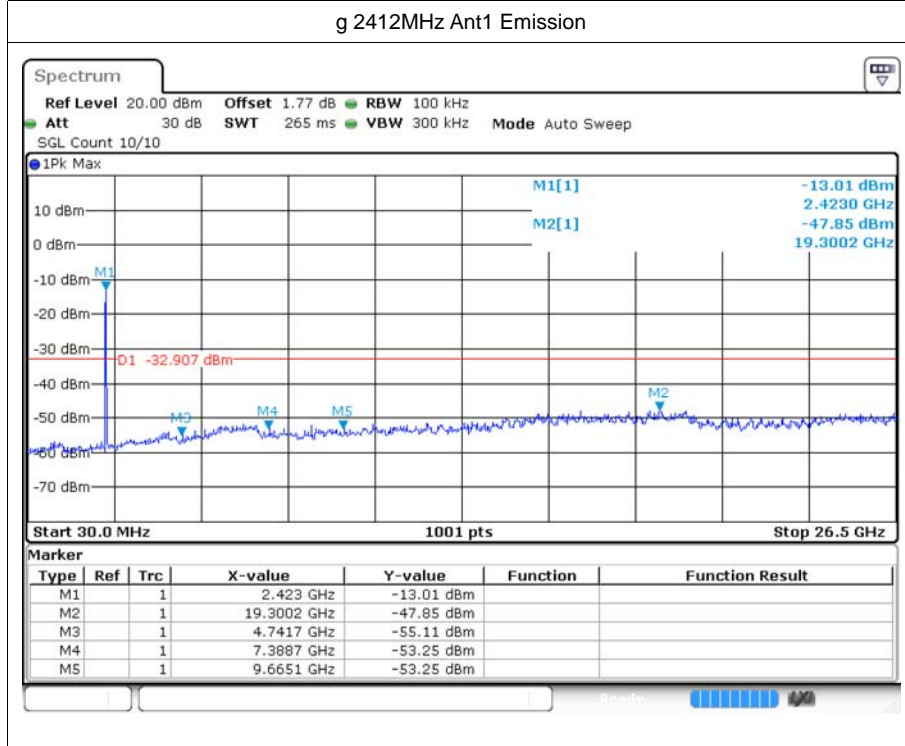
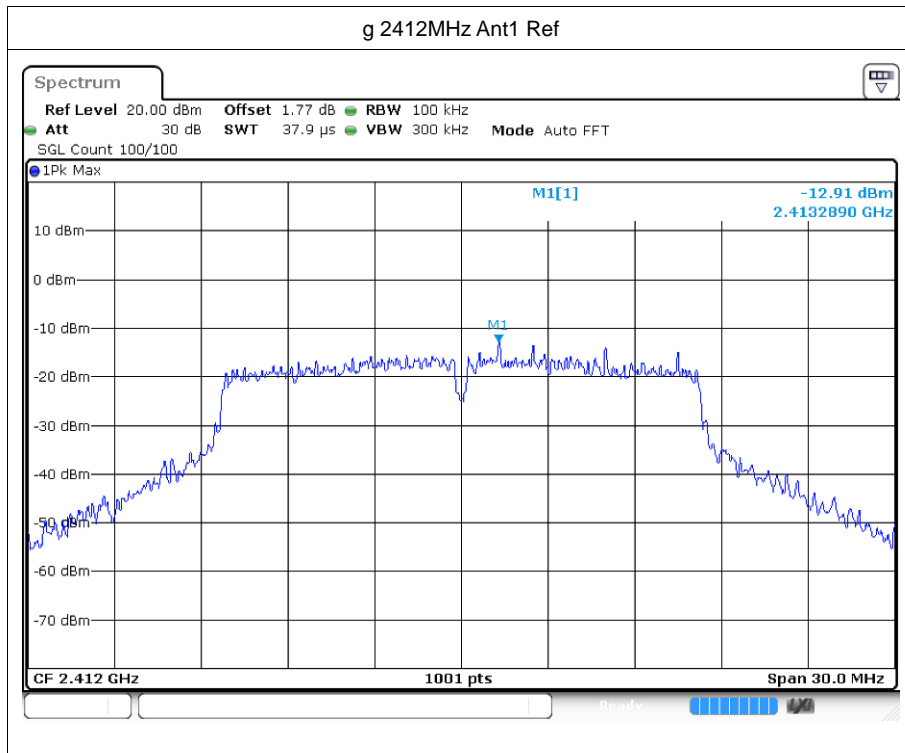
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-38.18	-20	Pass
b	2437	Ant1	-38.87	-20	Pass
b	2462	Ant1	-37.53	-20	Pass
g	2412	Ant1	-34.94	-20	Pass
g	2437	Ant1	-34.4	-20	Pass
g	2462	Ant1	-32.53	-20	Pass
n20	2412	Ant1	-35.84	-20	Pass
n20	2437	Ant1	-35.29	-20	Pass
n20	2462	Ant1	-33.97	-20	Pass
n40	2422	Ant1	-32.37	-20	Pass
n40	2437	Ant1	-33.11	-20	Pass
n40	2452	Ant1	-31.12	-20	Pass

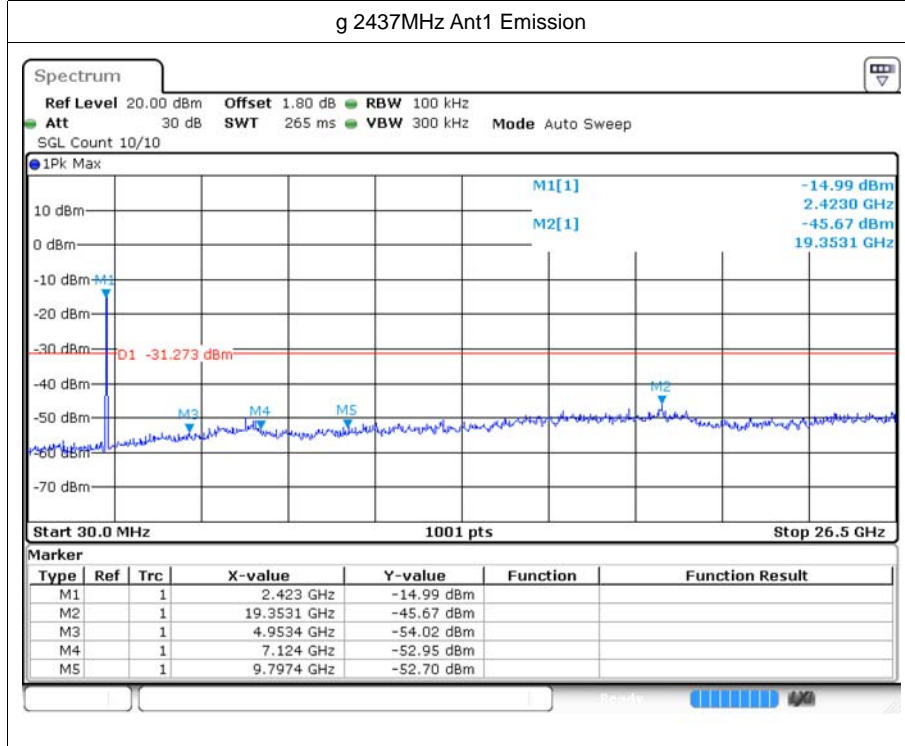
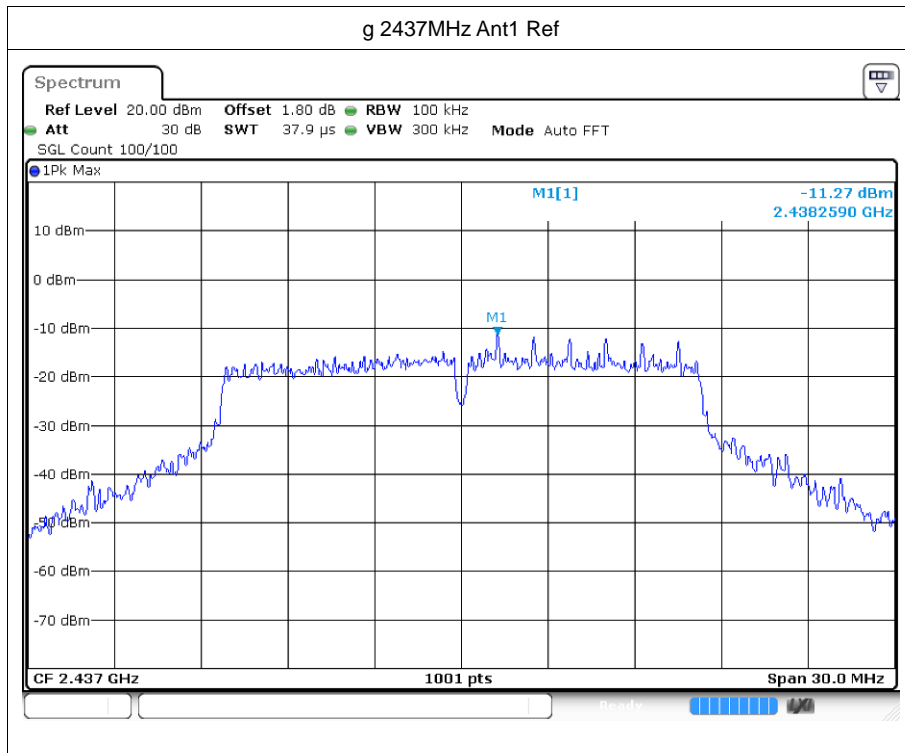
6.2 Test Graphs

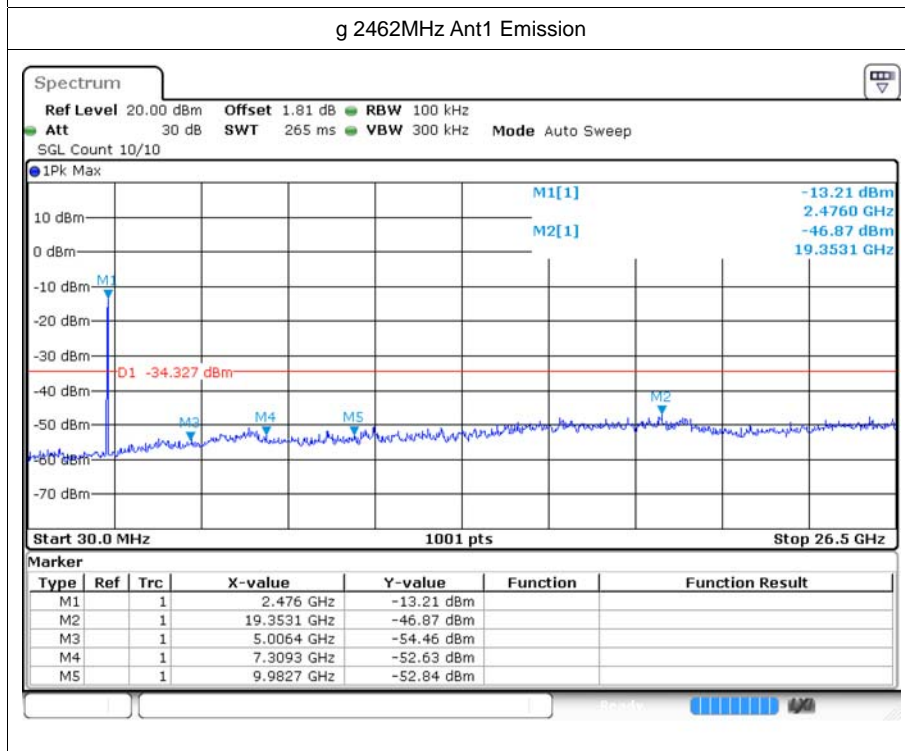
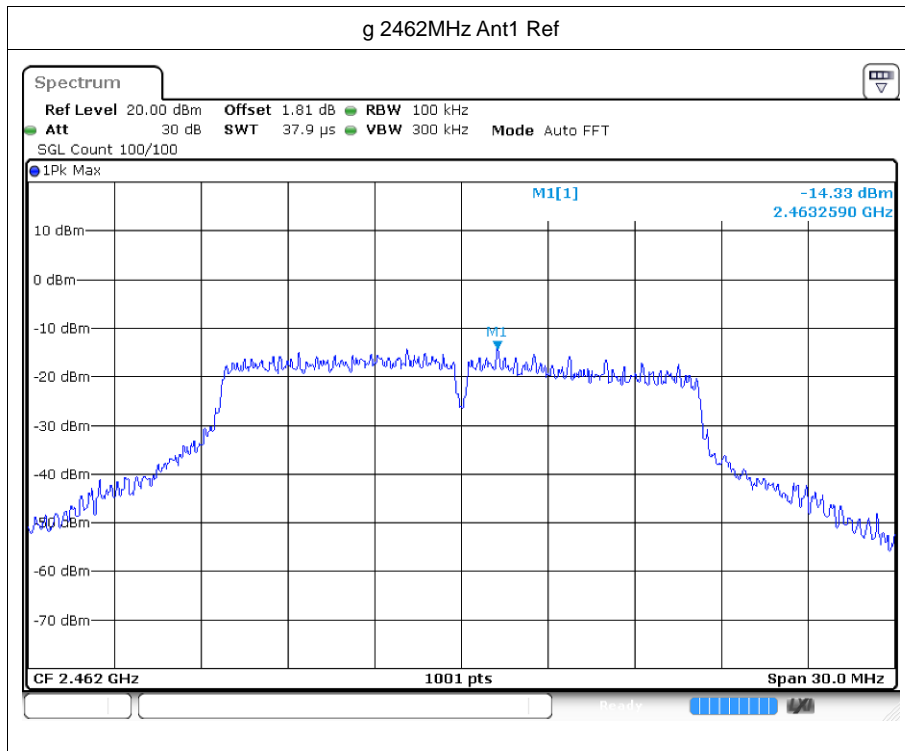


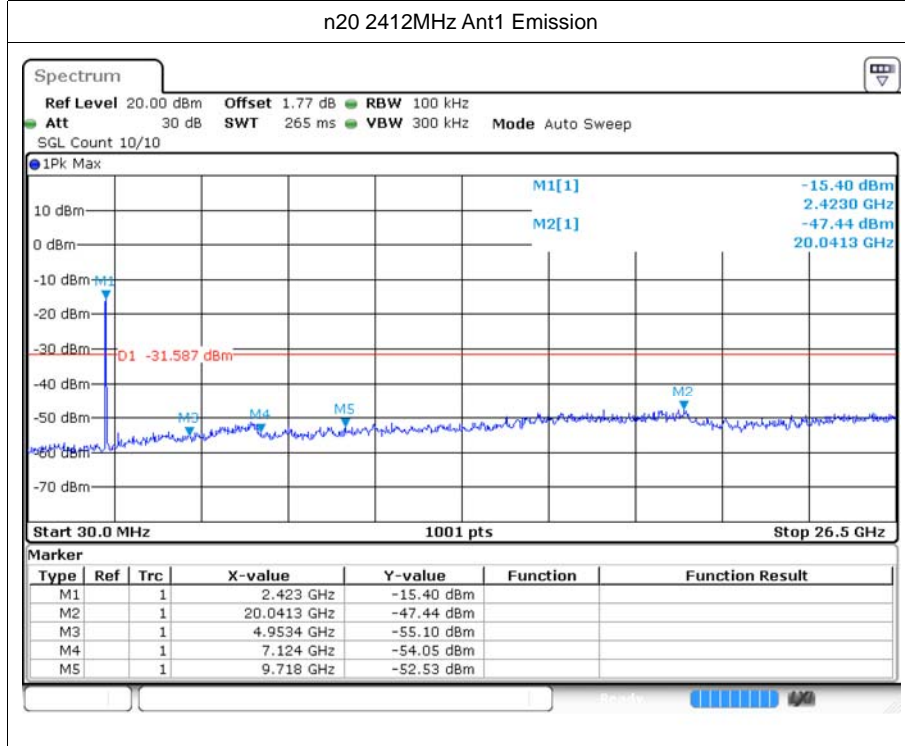
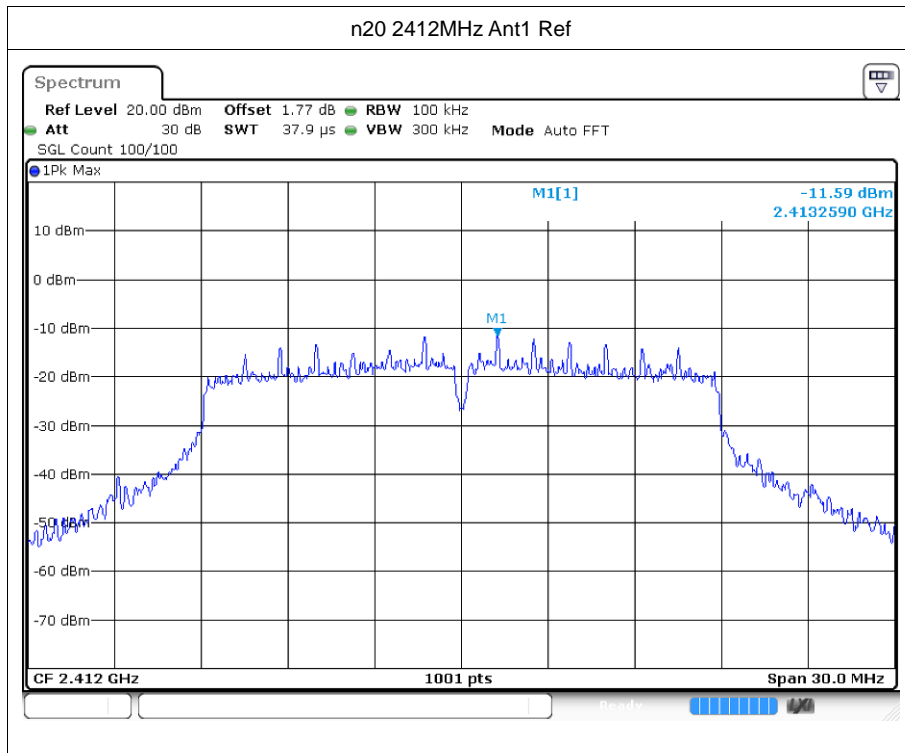


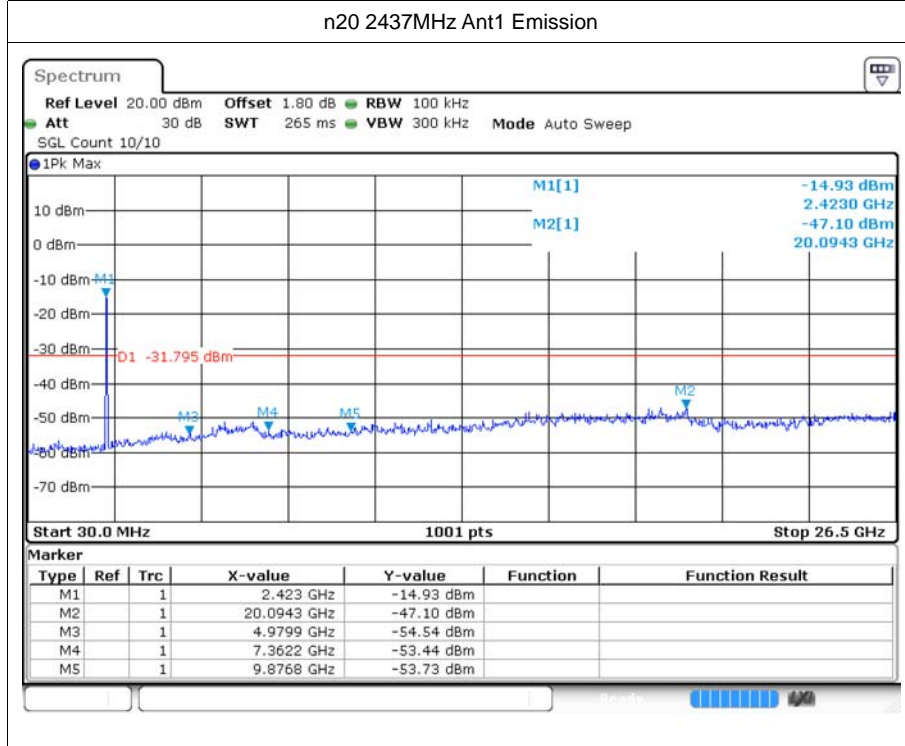
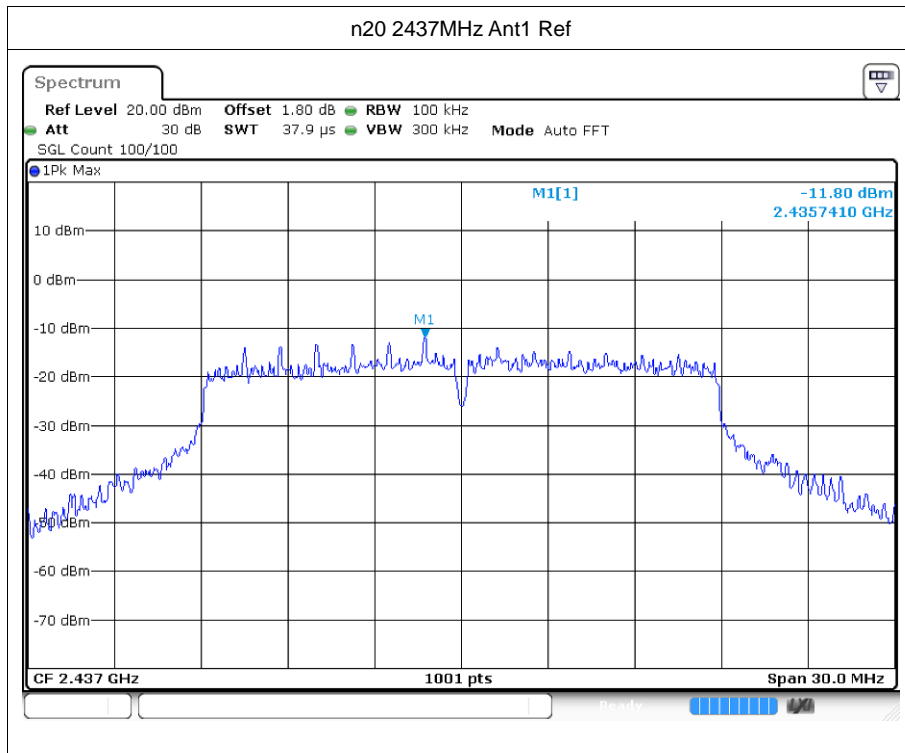


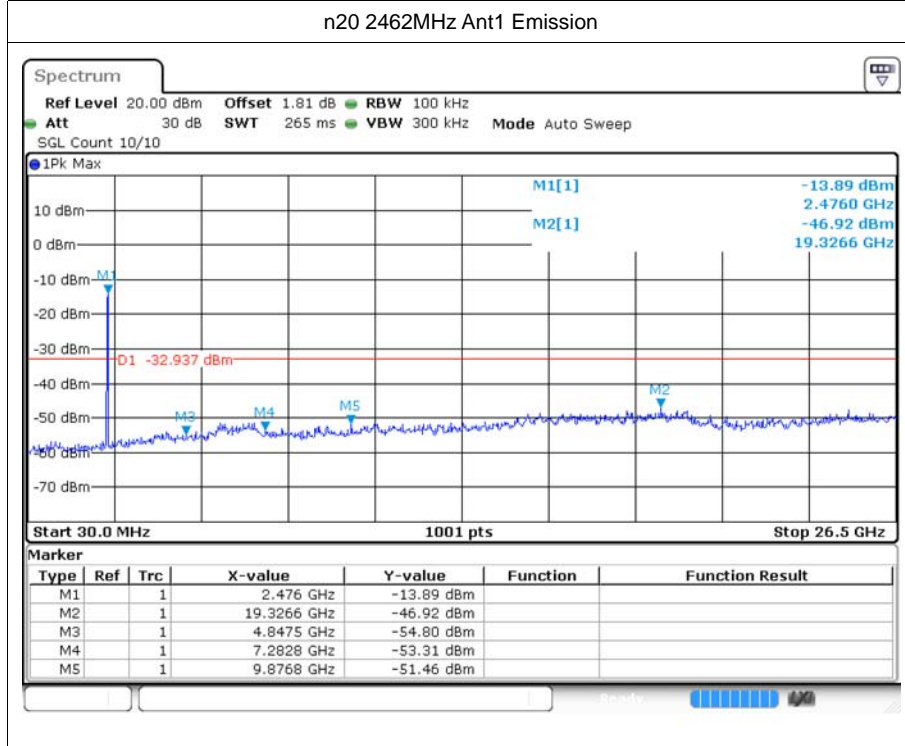
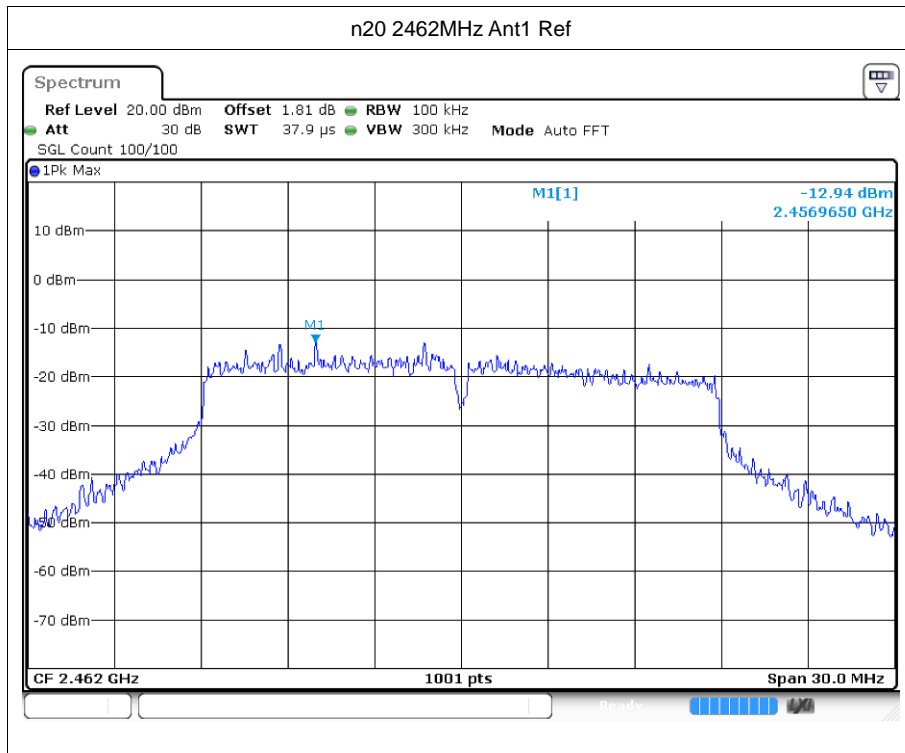


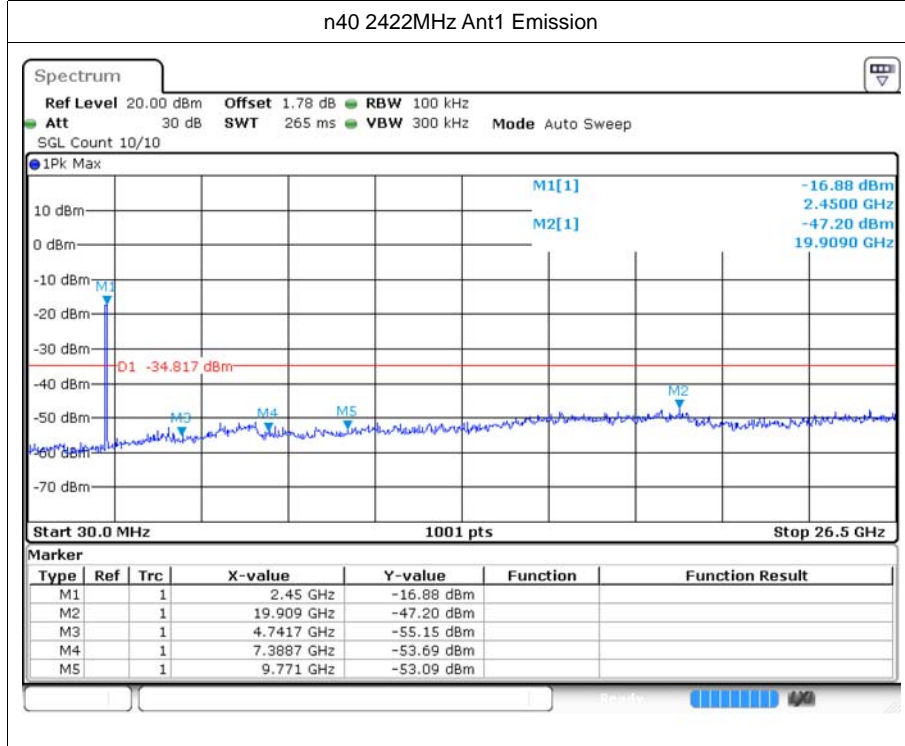
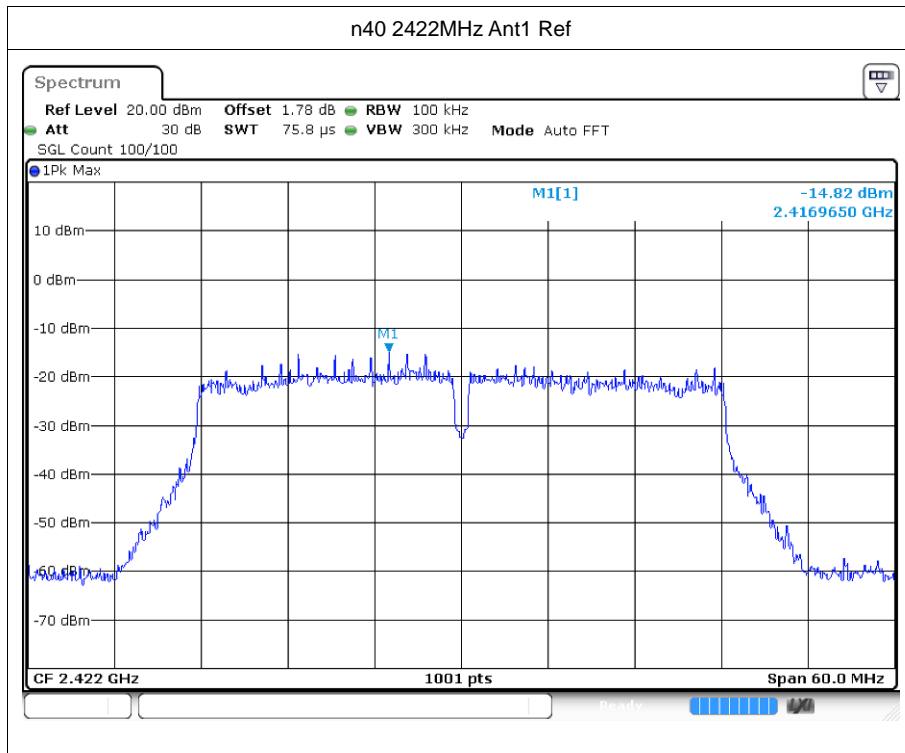


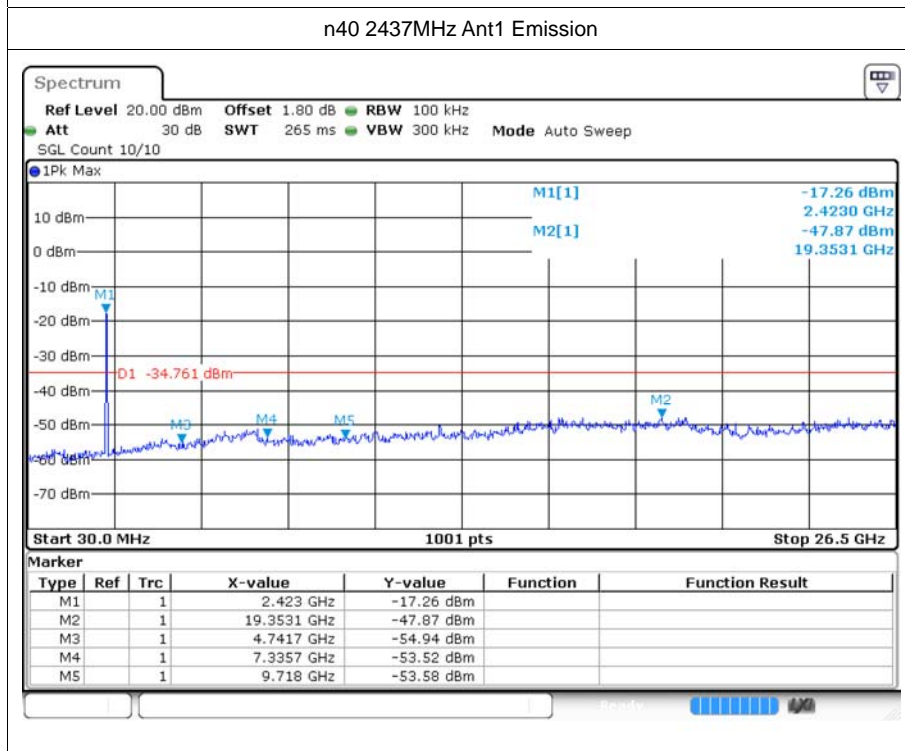
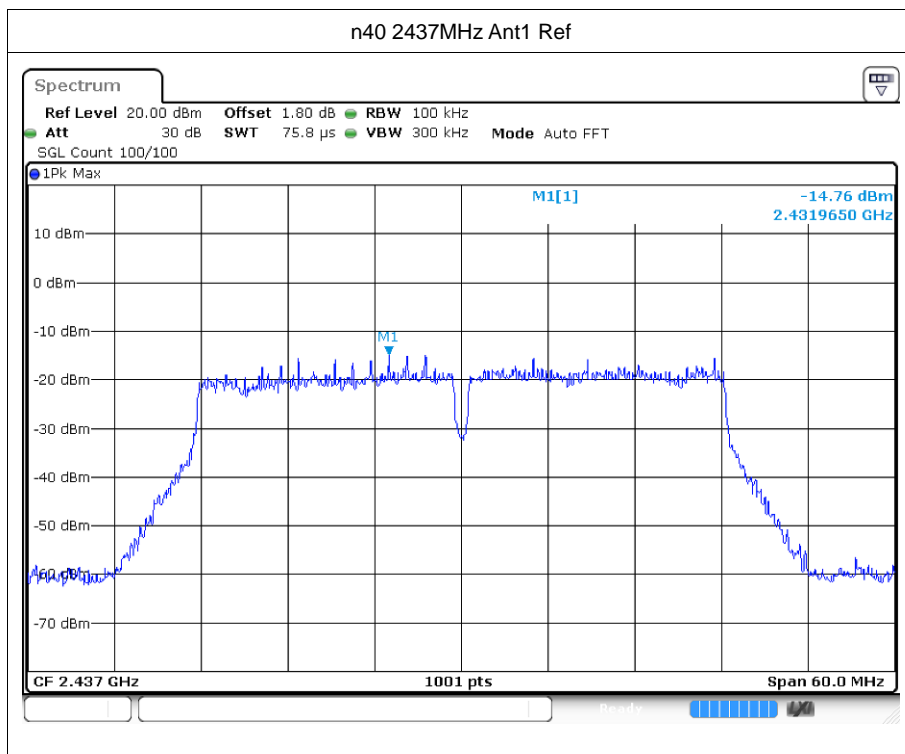


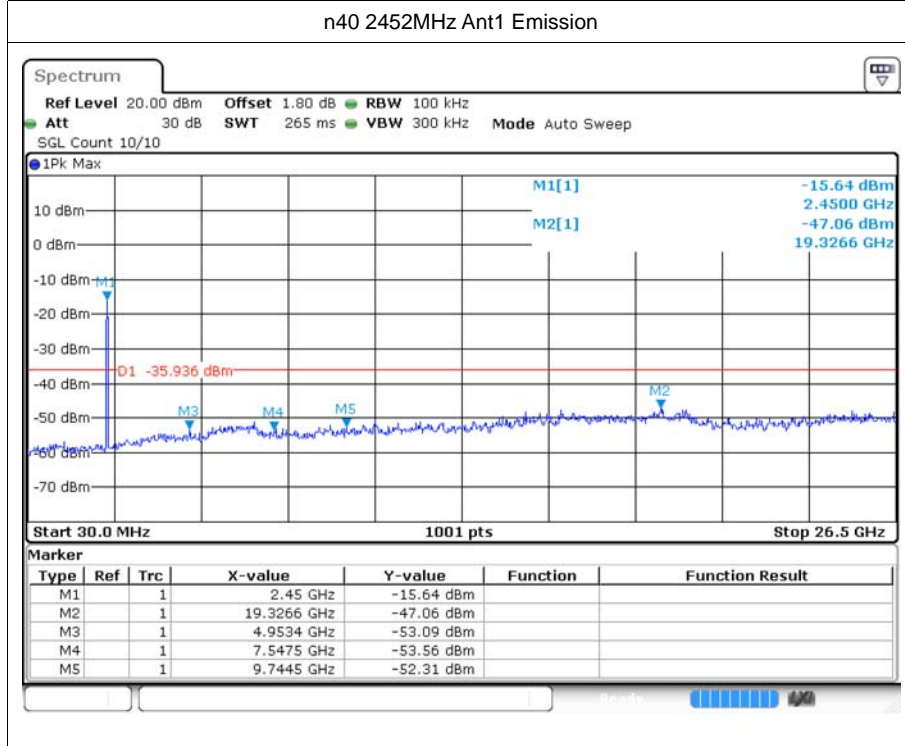
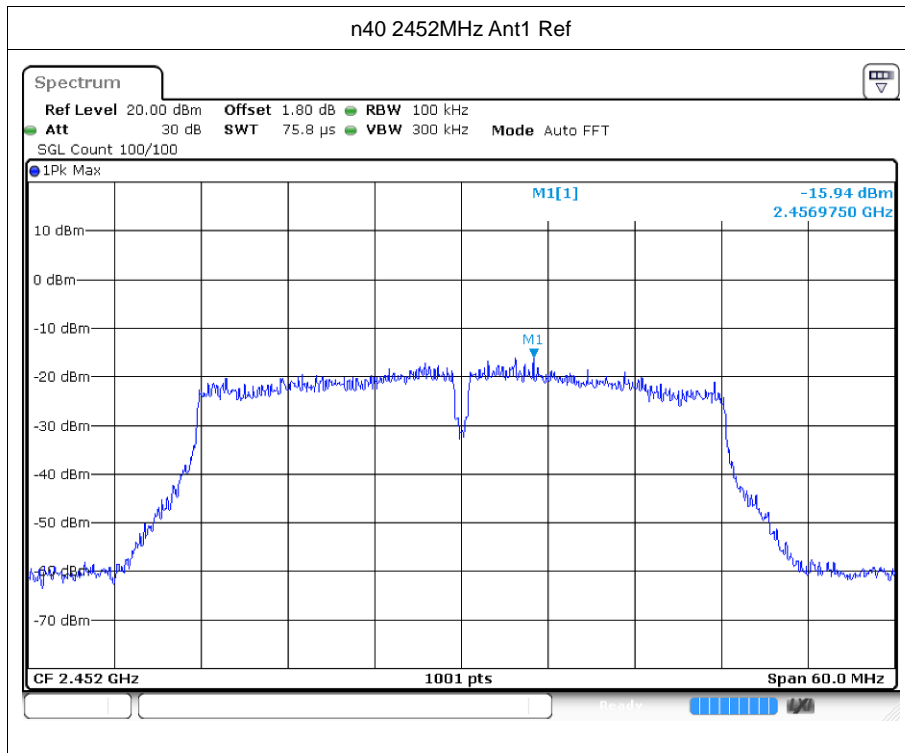














7 Restrict Band

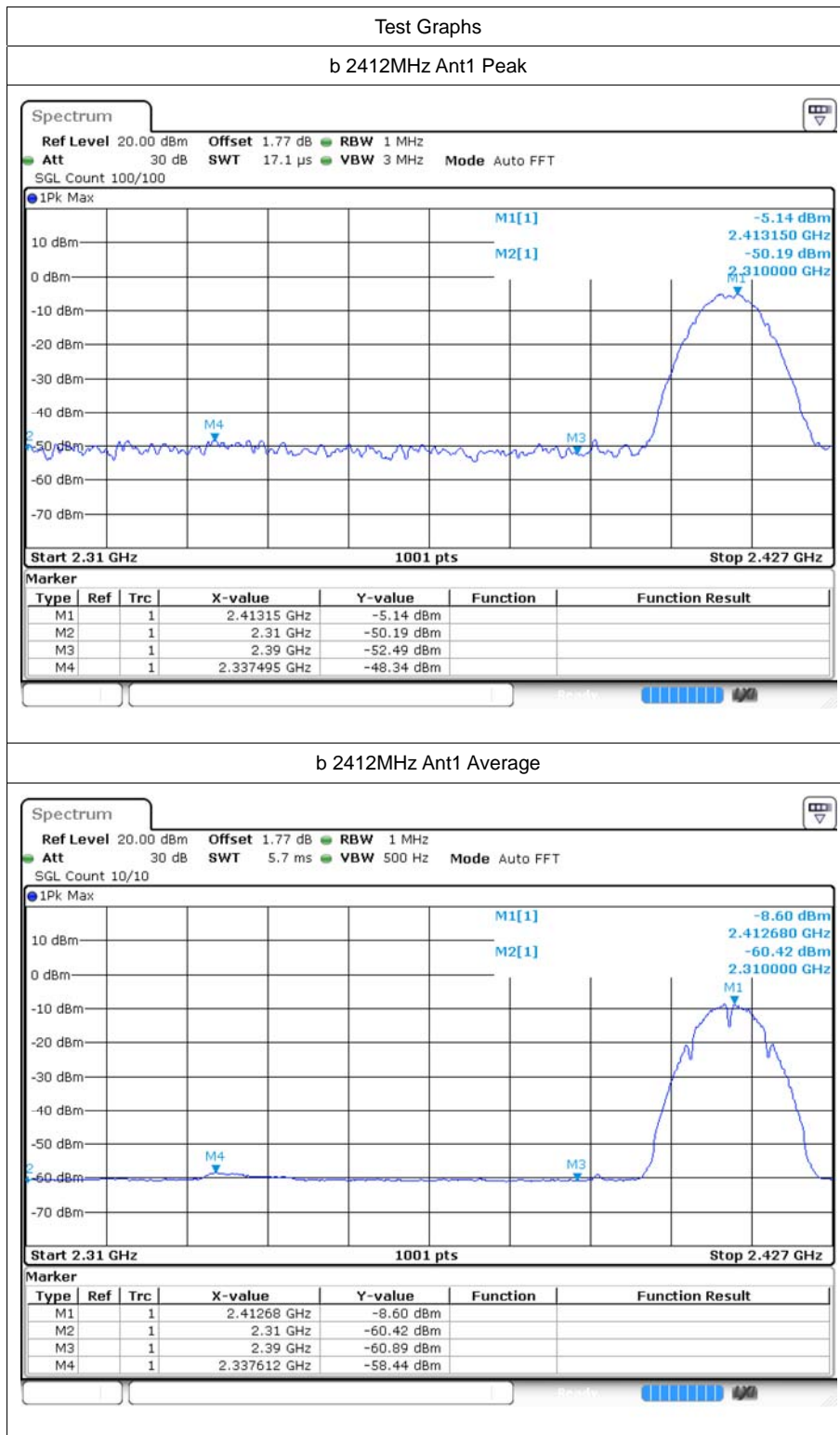
7.1 Test Result

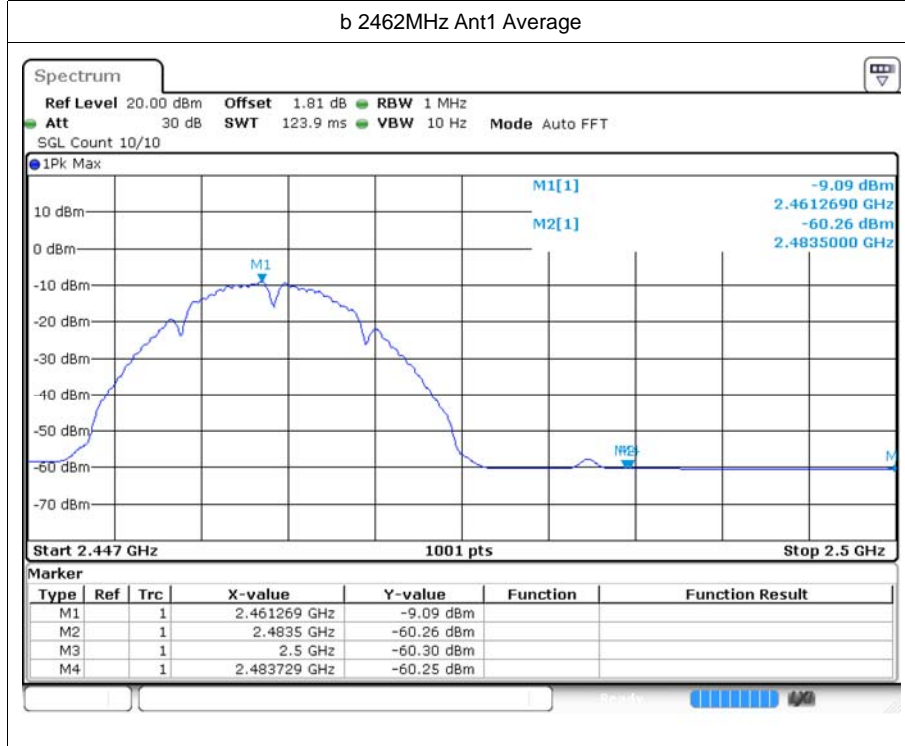
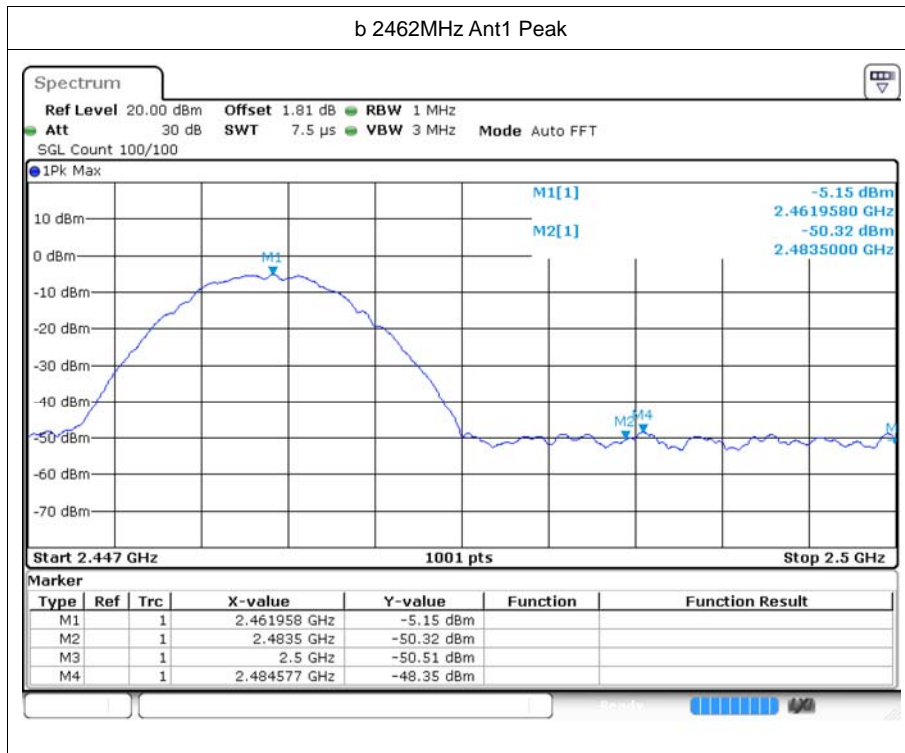
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-50.18	2.5	47.58	Peak	74	Pass
b	2412	Ant1	2310	-60.42	2.5	37.34	Average	54	Pass
b	2412	Ant1	2337.495	-48.34	2.5	49.42	Peak	74	Pass
b	2412	Ant1	2337.612	-58.43	2.5	39.33	Average	54	Pass
b	2412	Ant1	2390	-52.49	2.5	45.27	Peak	74	Pass
b	2412	Ant1	2390	-60.88	2.5	36.88	Average	54	Pass
b	2462	Ant1	2483.5	-50.32	2.5	47.44	Peak	74	46.94
b	2462	Ant1	2483.5	-60.25	2.5	37.51	Average	54	Pass
b	2462	Ant1	2484.577	-48.34	2.5	49.42	Peak	74	Pass
b	2462	Ant1	2483.729	-60.24	2.5	37.52	Average	54	Pass
b	2462	Ant1	2500	-50.5	2.5	47.26	Peak	74	Pass
b	2462	Ant1	2500	-60.3	2.5	37.46	Average	54	Pass
g	2412	Ant1	2310	-51.83	2.5	45.93	Peak	74	Pass
g	2412	Ant1	2310	-59.36	2.5	38.4	Average	54	Pass
g	2412	Ant1	2355.045	-48.27	2.5	49.49	Peak	74	Pass
g	2412	Ant1	2339.25	-57.79	2.5	39.97	Average	54	Pass
g	2412	Ant1	2390	-53.3	2.5	44.46	Peak	74	Pass
g	2412	Ant1	2390	-60.23	2.5	37.53	Average	54	Pass
g	2462	Ant1	2483.5	-50.29	2.5	47.47	Peak	74	Pass
g	2462	Ant1	2483.5	-59.78	2.5	37.98	Average	54	Pass
g	2462	Ant1	2484.577	-48.18	2.5	49.58	Peak	74	Pass
g	2462	Ant1	2488.923	-58.36	2.5	39.4	Average	54	Pass
g	2462	Ant1	2500	-52.61	2.5	45.15	Peak	74	Pass
g	2462	Ant1	2500	-58.87	2.5	38.89	Average	54	Pass
n20	2412	Ant1	2310	-50.97	2.5	46.79	Peak	74	Pass
n20	2412	Ant1	2310	-59.41	2.5	38.35	Average	54	Pass
n20	2412	Ant1	2343.111	-47.14	2.5	50.62	Peak	74	Pass
n20	2412	Ant1	2336.793	-57.24	2.5	40.52	Average	54	Pass
n20	2412	Ant1	2390	-51.79	2.5	45.97	Peak	74	Pass
n20	2412	Ant1	2390	-59.49	2.5	38.27	Average	54	Pass
n20	2462	Ant1	2483.5	-50.27	2.5	47.49	Peak	74	Pass
n20	2462	Ant1	2483.5	-59.11	2.5	38.65	Average	54	Pass
n20	2462	Ant1	2490.142	-48.35	2.5	49.41	Peak	74	Pass
n20	2462	Ant1	2499.947	-58.33	2.5	39.43	Average	54	Pass

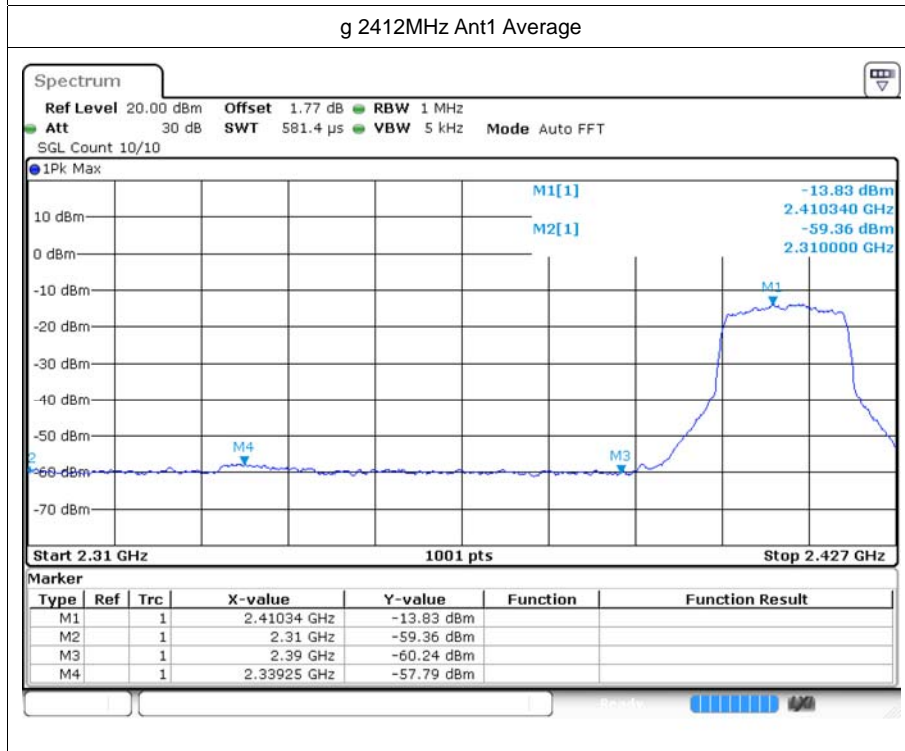
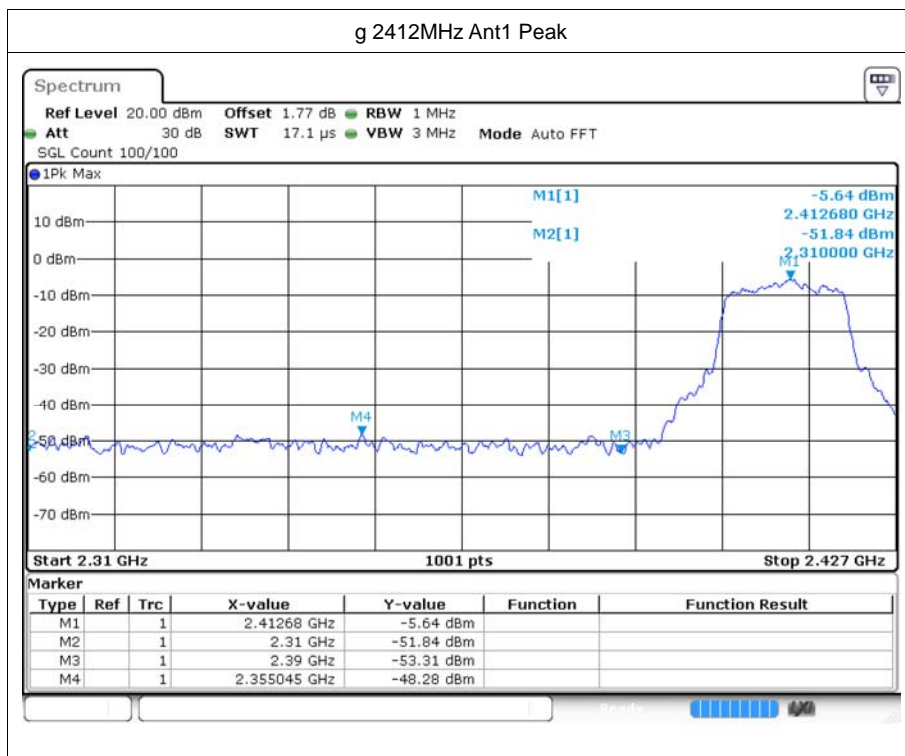


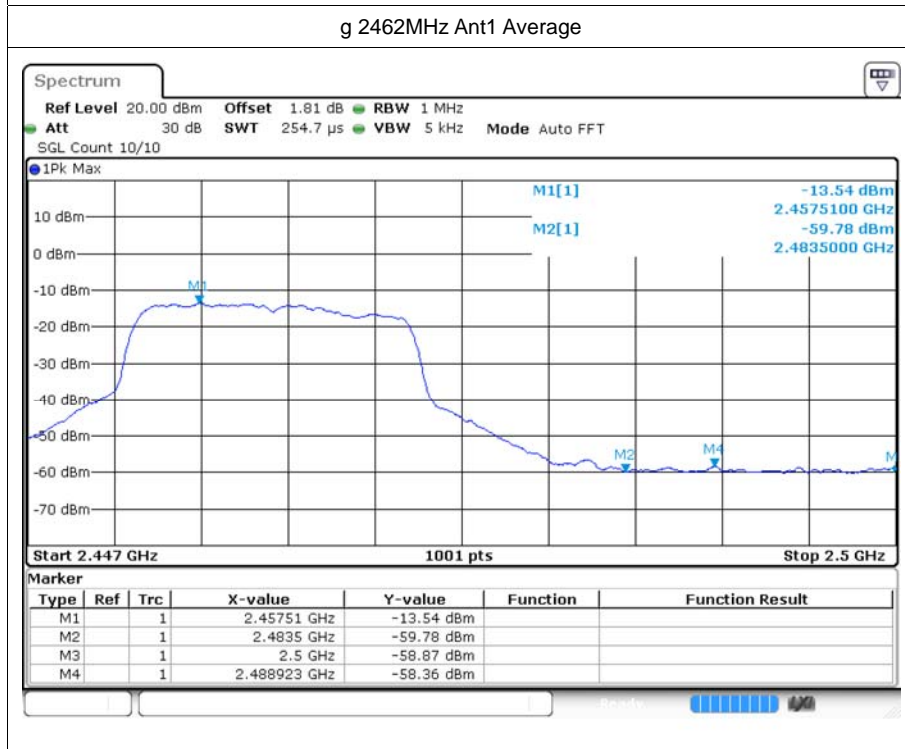
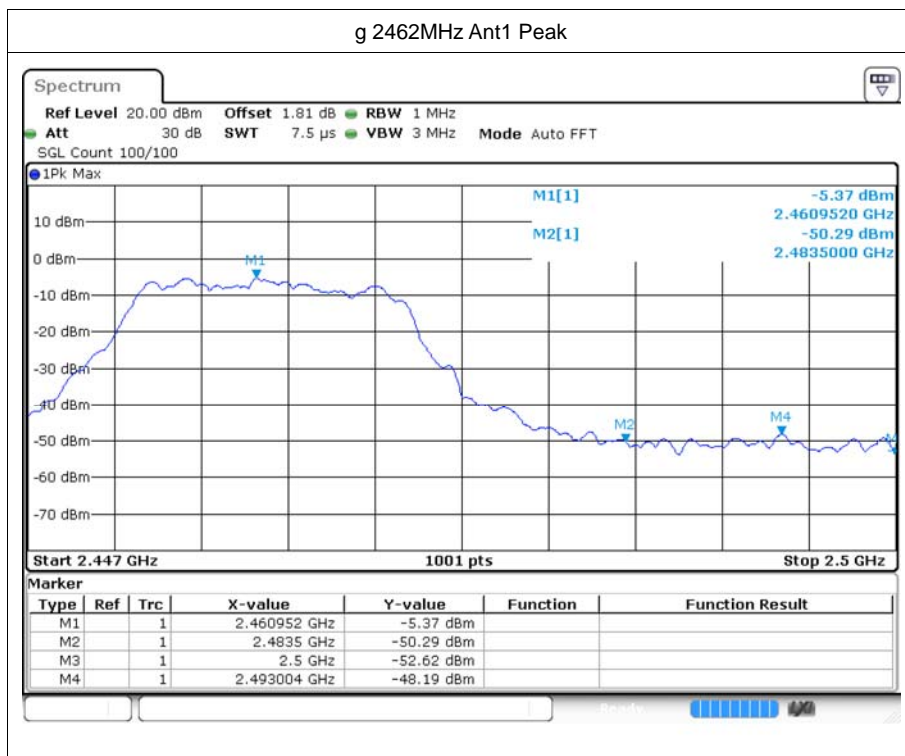
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n20	2462	Ant1	2500	-58.36	2.5	39.4	Average	54	Pass
n40	2422	Ant1	2310	-51.84	2.5	45.92	Peak	74	Pass
n40	2422	Ant1	2310	-55.09	2.5	42.67	Average	54	Pass
n40	2422	Ant1	2340.53	-46.36	2.5	51.4	Peak	74	Pass
n40	2422	Ant1	2383.556	-50.65	2.5	47.11	Average	54	Pass
n40	2422	Ant1	2390	-51.2	2.5	46.56	Peak	74	Pass
n40	2422	Ant1	2390	-55.76	2.5	42	Average	54	Pass
n40	2452	Ant1	2483.5	-49.33	2.5	48.43	Peak	74	Pass
n40	2452	Ant1	2483.5	-59.39	2.5	38.37	Average	54	Pass
n40	2452	Ant1	2491.888	-47.53	2.5	50.23	Peak	74	Pass
n40	2452	Ant1	2490.406	-52.57	2.5	45.19	Average	54	Pass
n40	2452	Ant1	2500	-50.14	2.5	47.62	Peak	74	Pass
n40	2452	Ant1	2500	-59.53	2.5	38.23	Average	54	Pass

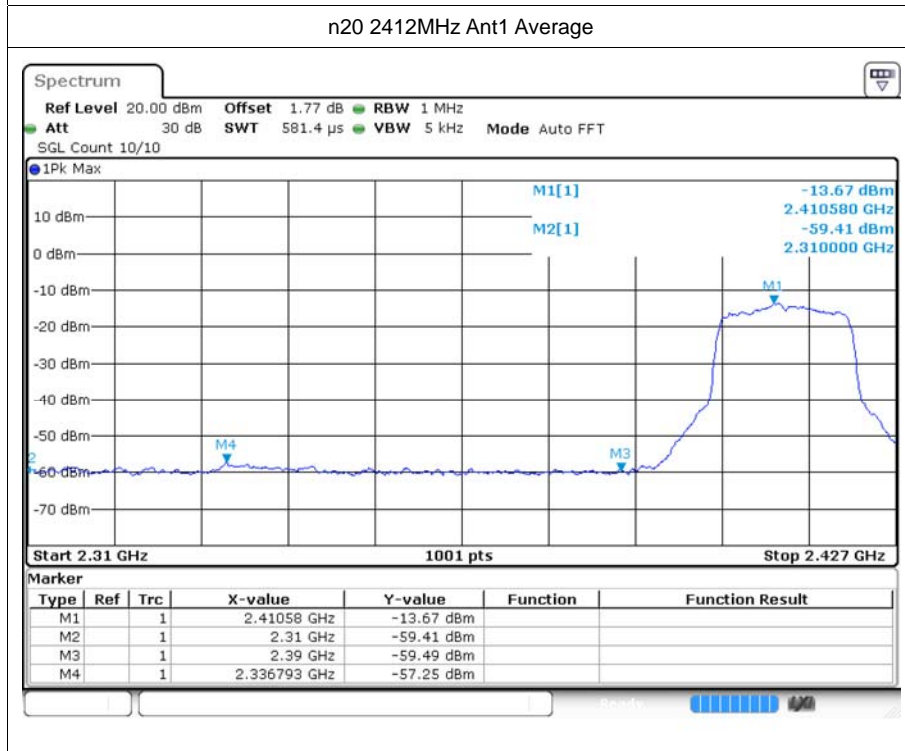
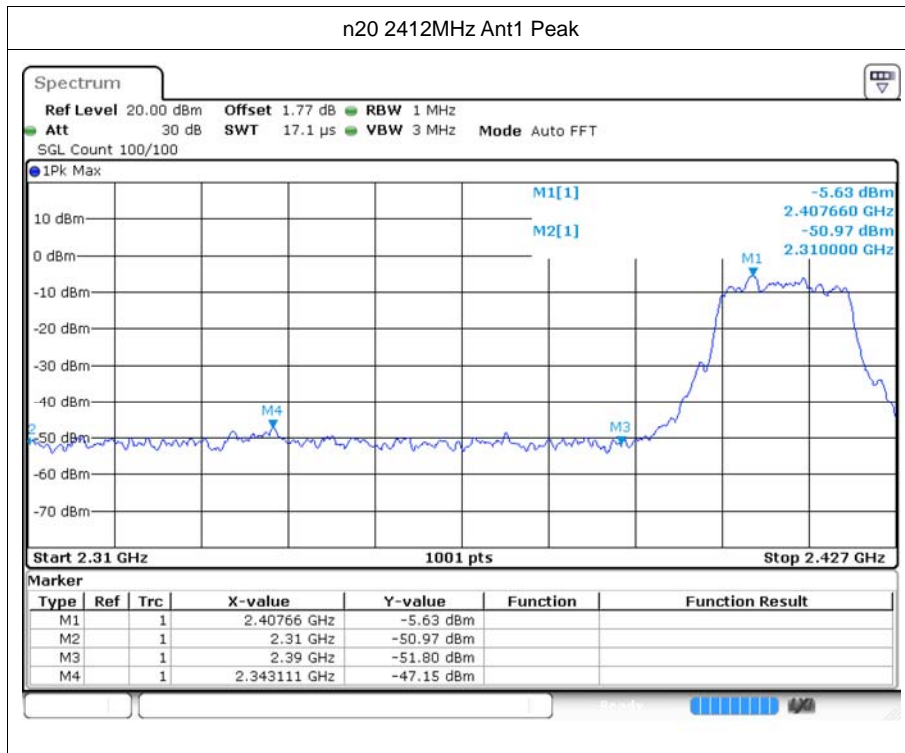
7.2 Test Graphs

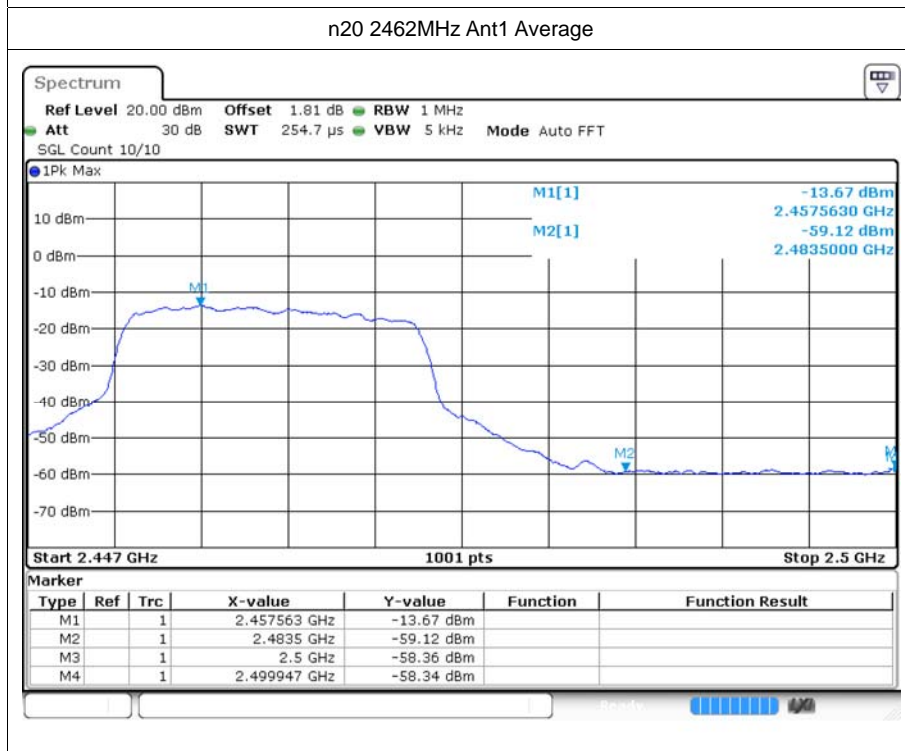
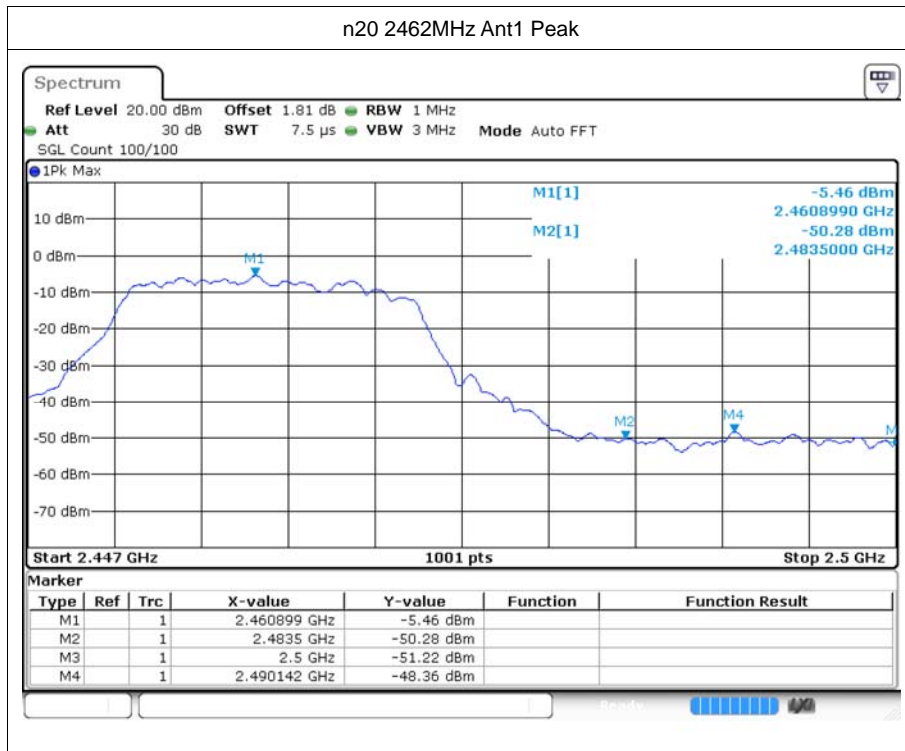


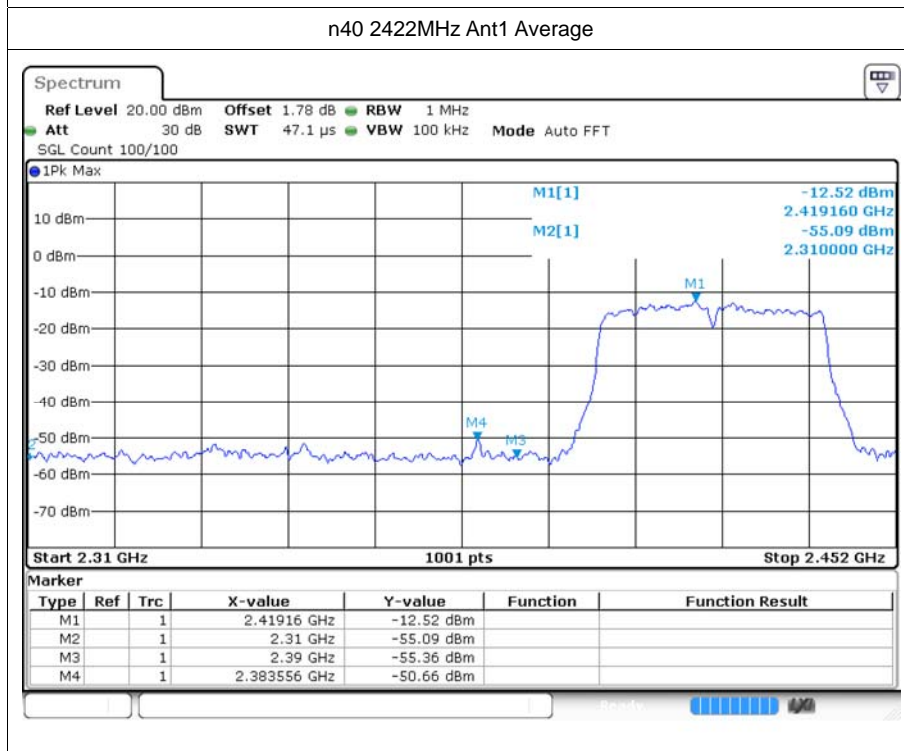
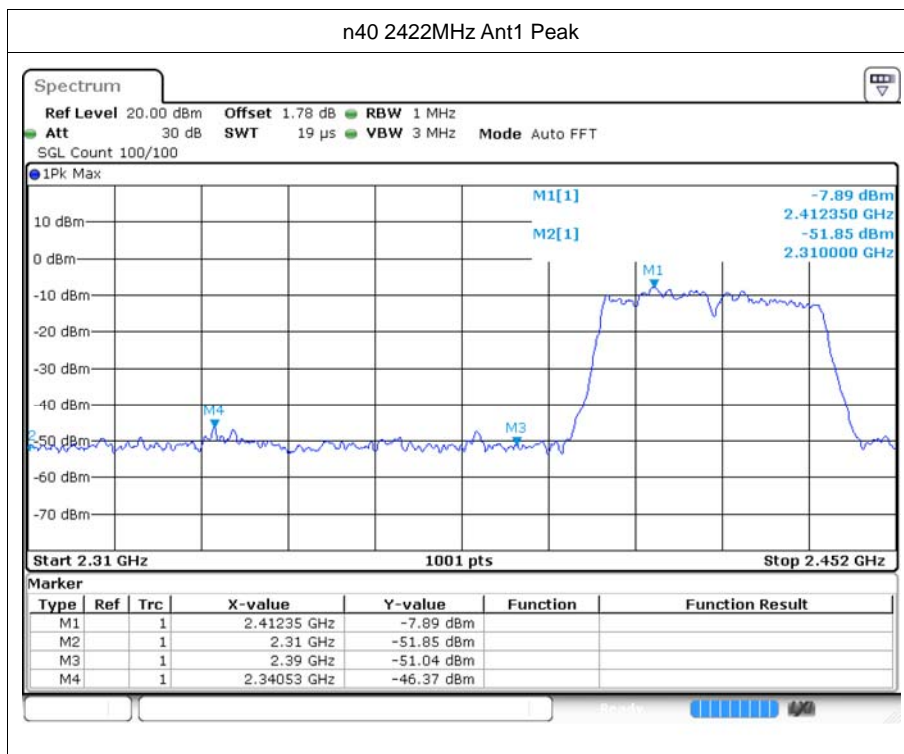


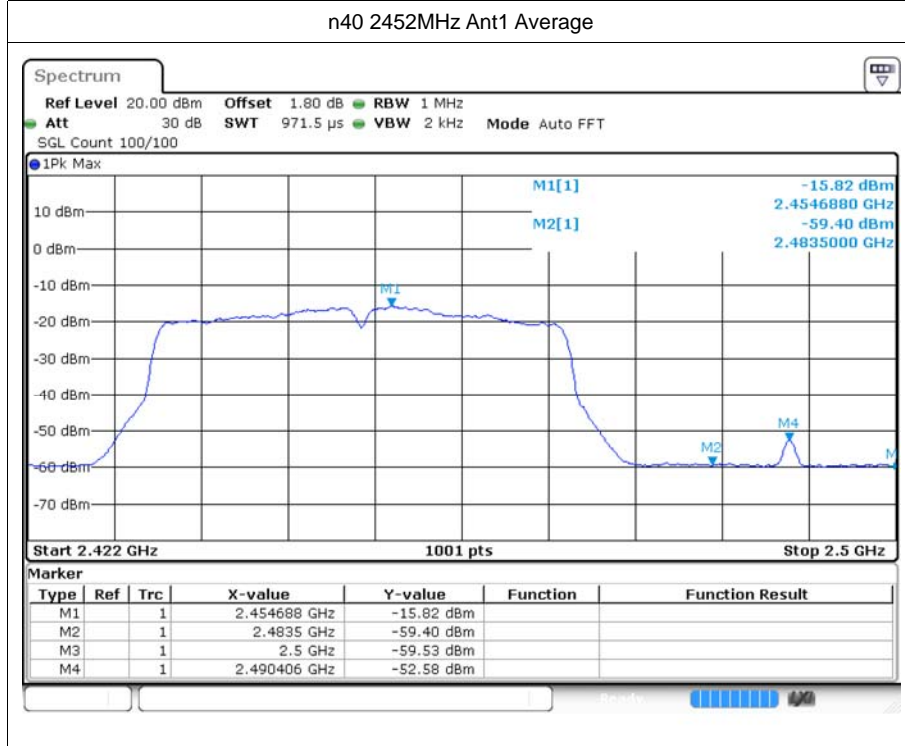
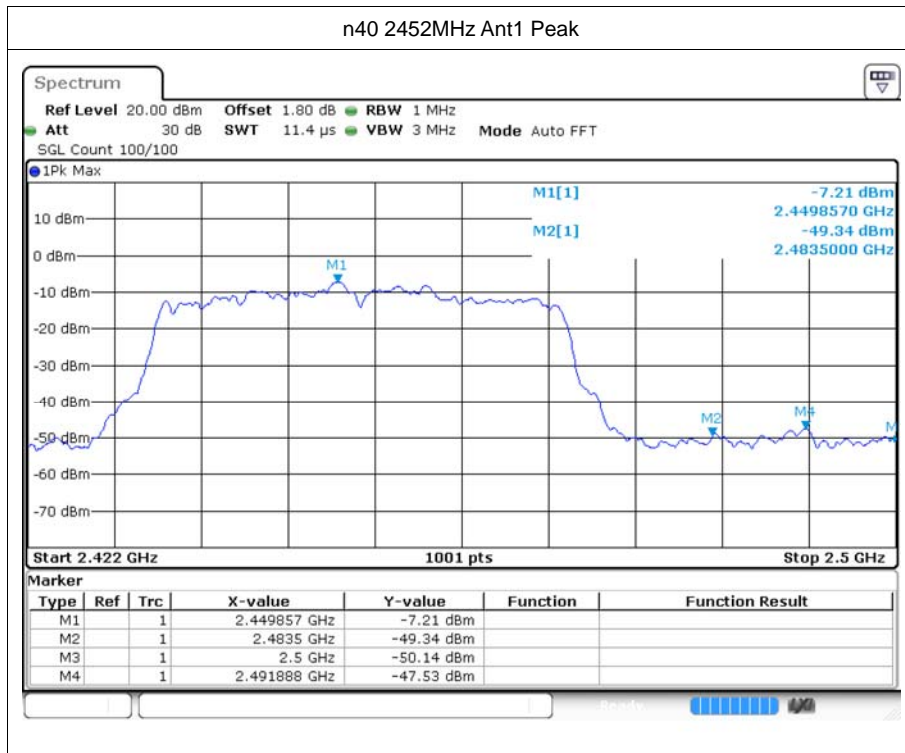












---The End---