



## Appendix C

### RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: E Ink Tablet, Smart E Ink Tablet, ePaper Tablet, E-bag Tablet, E-book Tablet, E-reader Tablet, Eyes protection E Ink Tablet, E-paper Tablet, Color E Ink Tablet, Color ePaper Tablet

Trade Mark: BOOX

Test Model: Leaf2

#### Environmental Conditions

Temperature:	25.2°C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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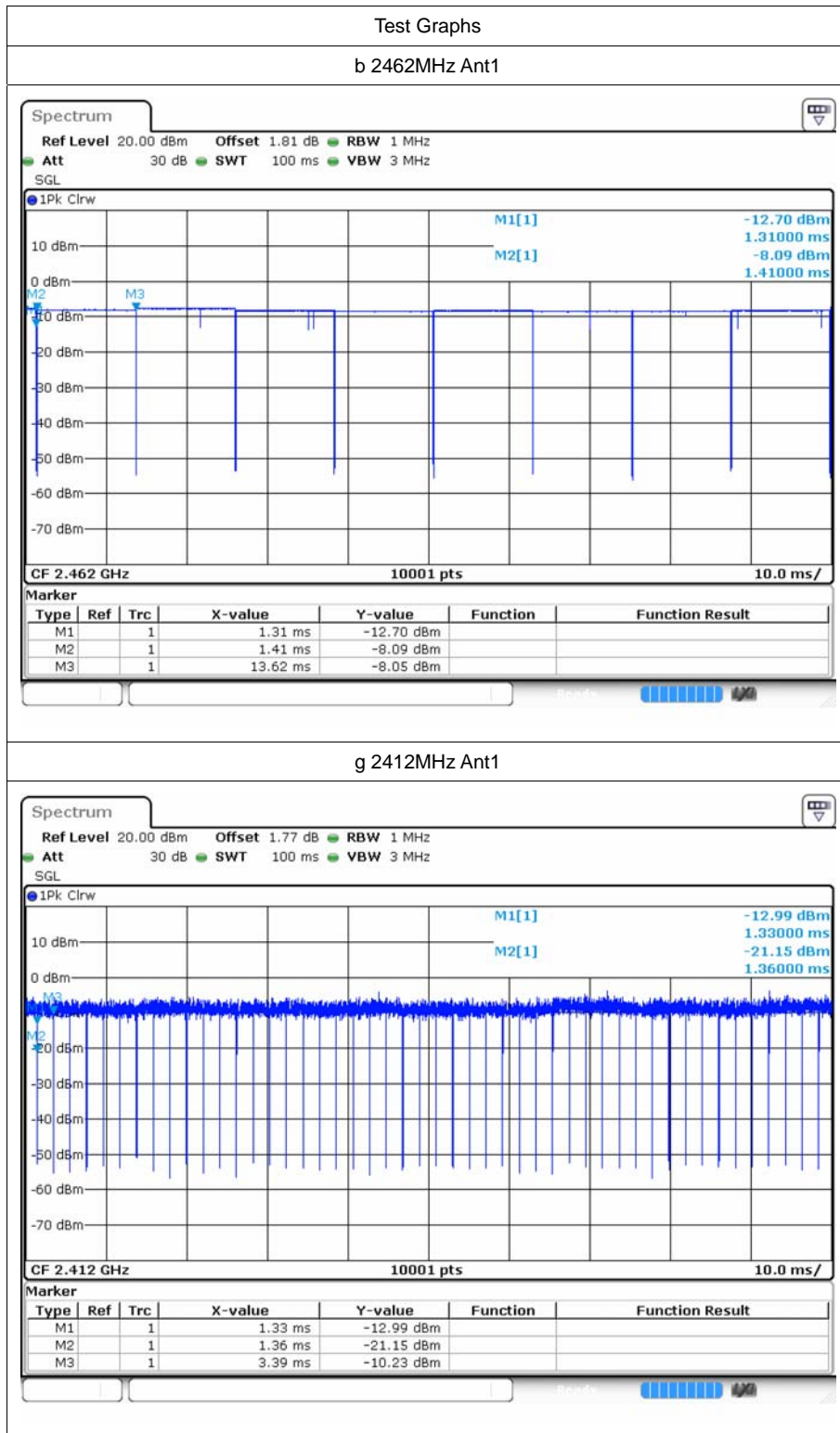
# 1 Duty Cycle

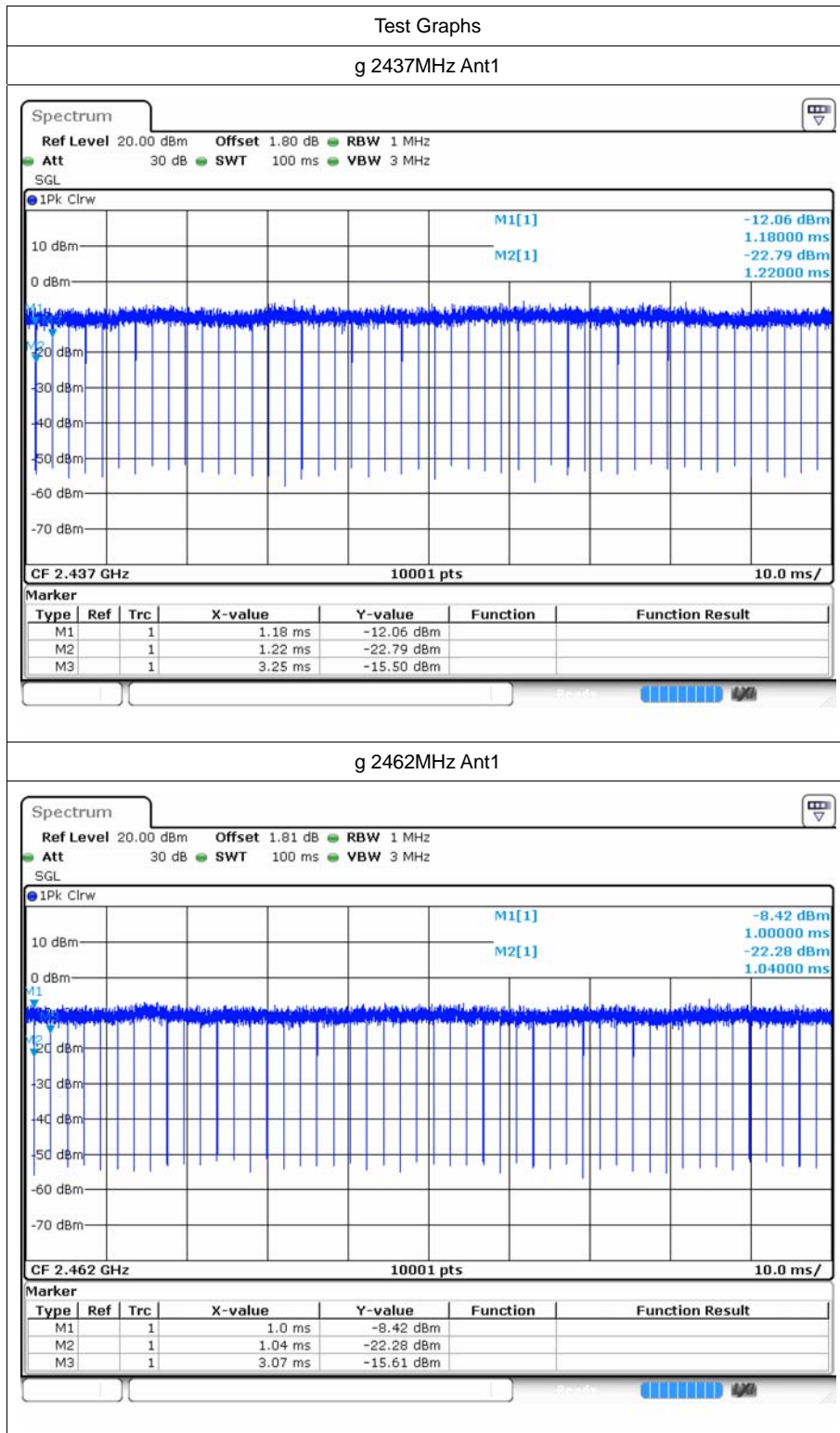
## 1.1 Test Result

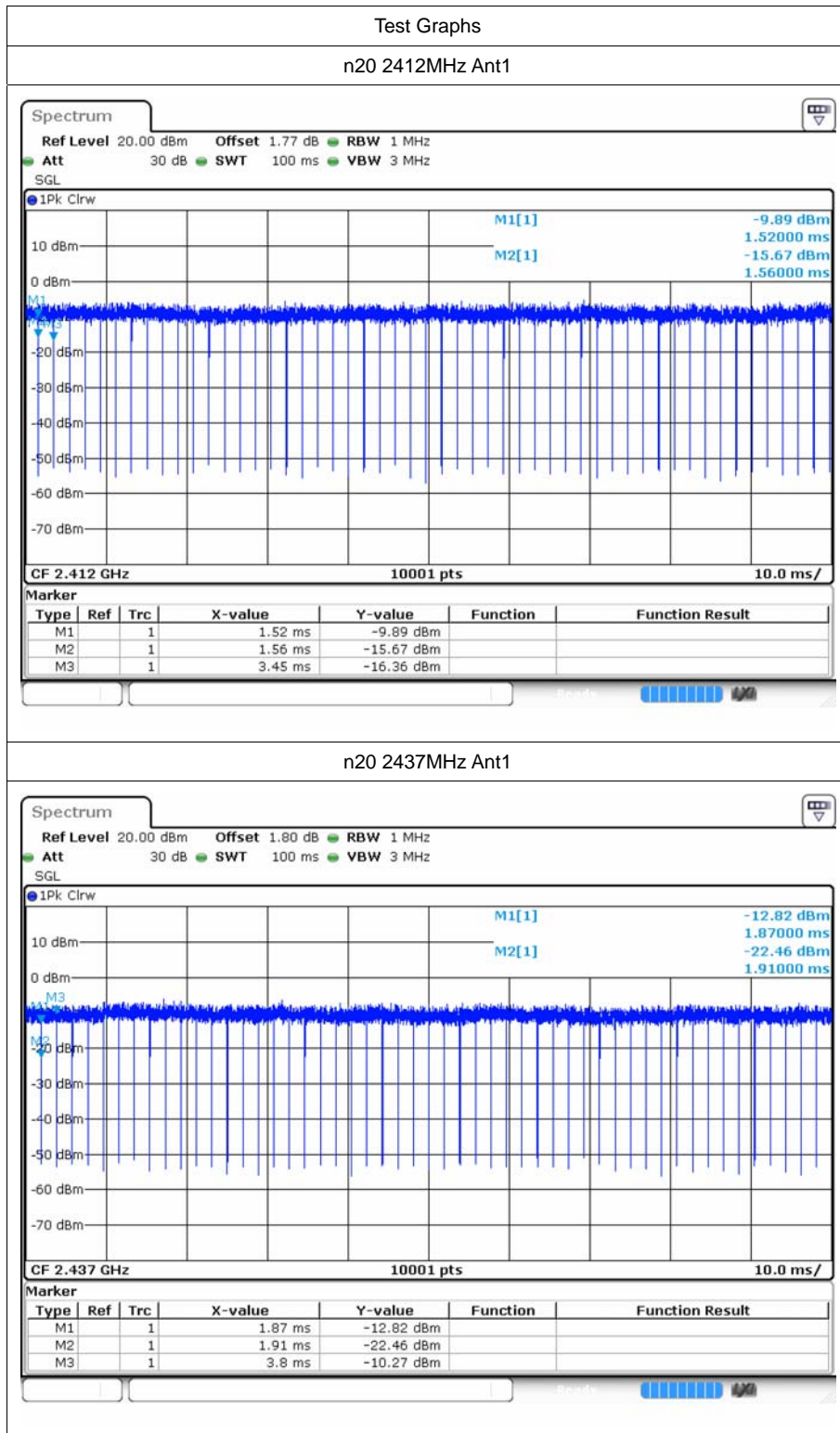
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	1/T (kHz)
b	2412	Ant1	99.27	0.01
b	2437	Ant1	99.24	0.01
b	2462	Ant1	99.14	0.01
g	2412	Ant1	98.79	0.01
g	2437	Ant1	98.8	0.01
g	2462	Ant1	98.8	0.01
n20	2412	Ant1	98.69	0.01
n20	2437	Ant1	98.72	0.01
n20	2462	Ant1	98.66	0.01
n40	2422	Ant1	94.16	1.09
n40	2437	Ant1	93.9	1.1
n40	2452	Ant1	95.77	1.09

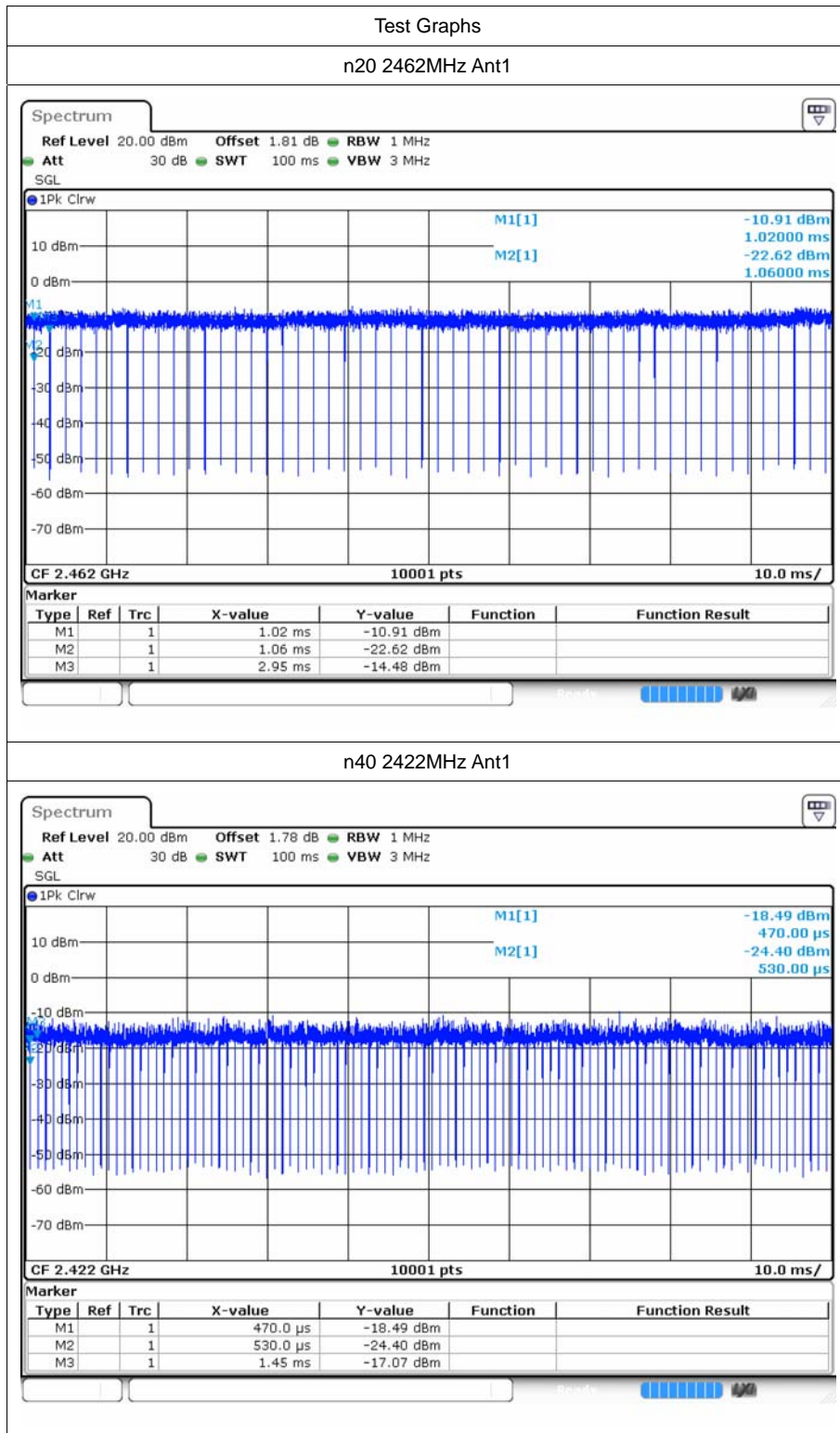
## 1.2 Test Graphs



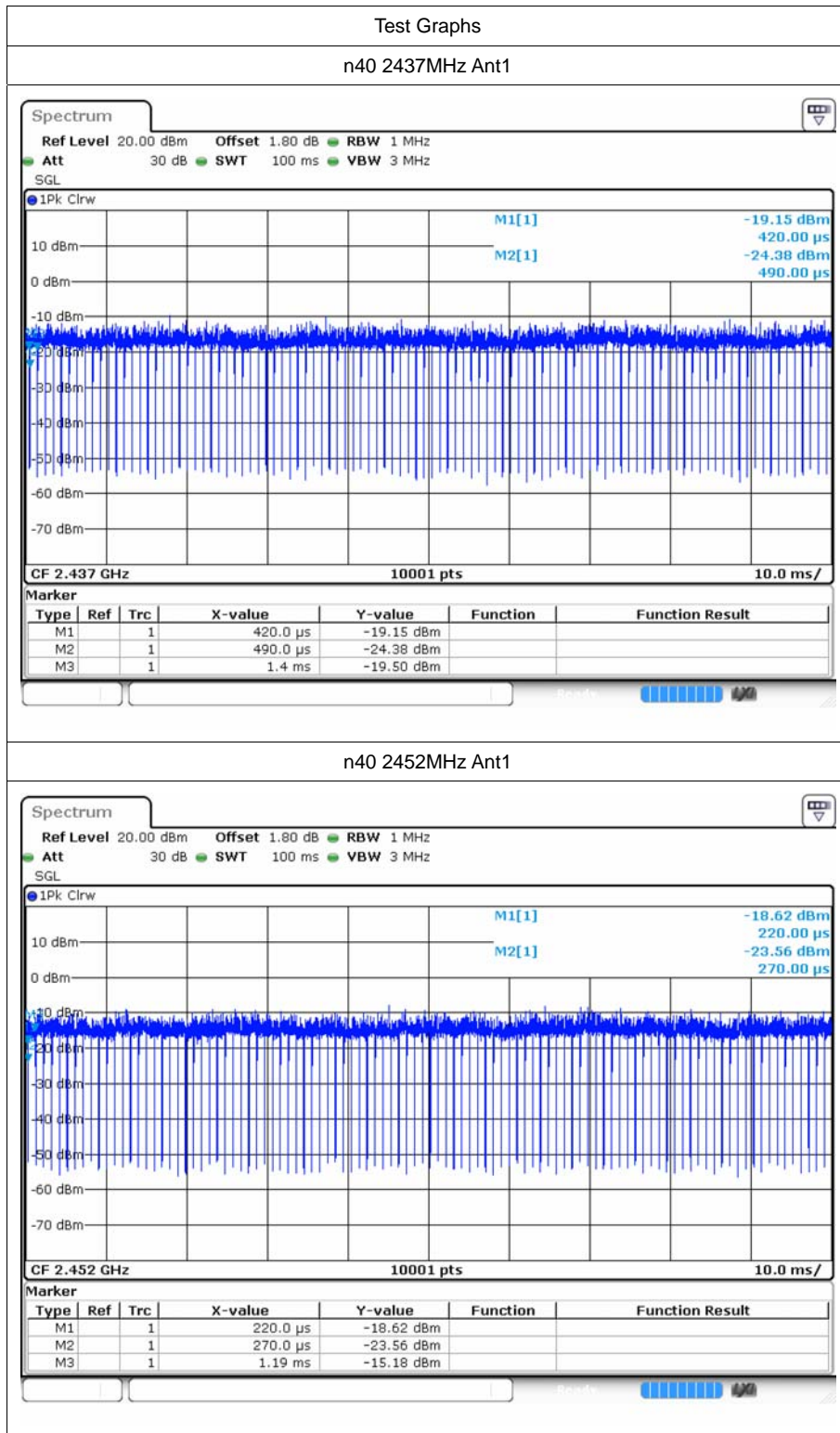














## 2 Maximum Conducted Output Power

### 2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	1.75	30	Pass
b	2437	Ant1	0.95	30	Pass
b	2462	Ant1	0.9	30	Pass
g	2412	Ant1	2.66	30	Pass
g	2437	Ant1	2.07	30	Pass
g	2462	Ant1	1.32	30	Pass
n20	2412	Ant1	2.54	30	Pass
n20	2437	Ant1	1.88	30	Pass
n20	2462	Ant1	1.35	30	Pass
n40	2422	Ant1	1.93	30	Pass
n40	2437	Ant1	2.4	30	Pass
n40	2452	Ant1	2.43	30	Pass

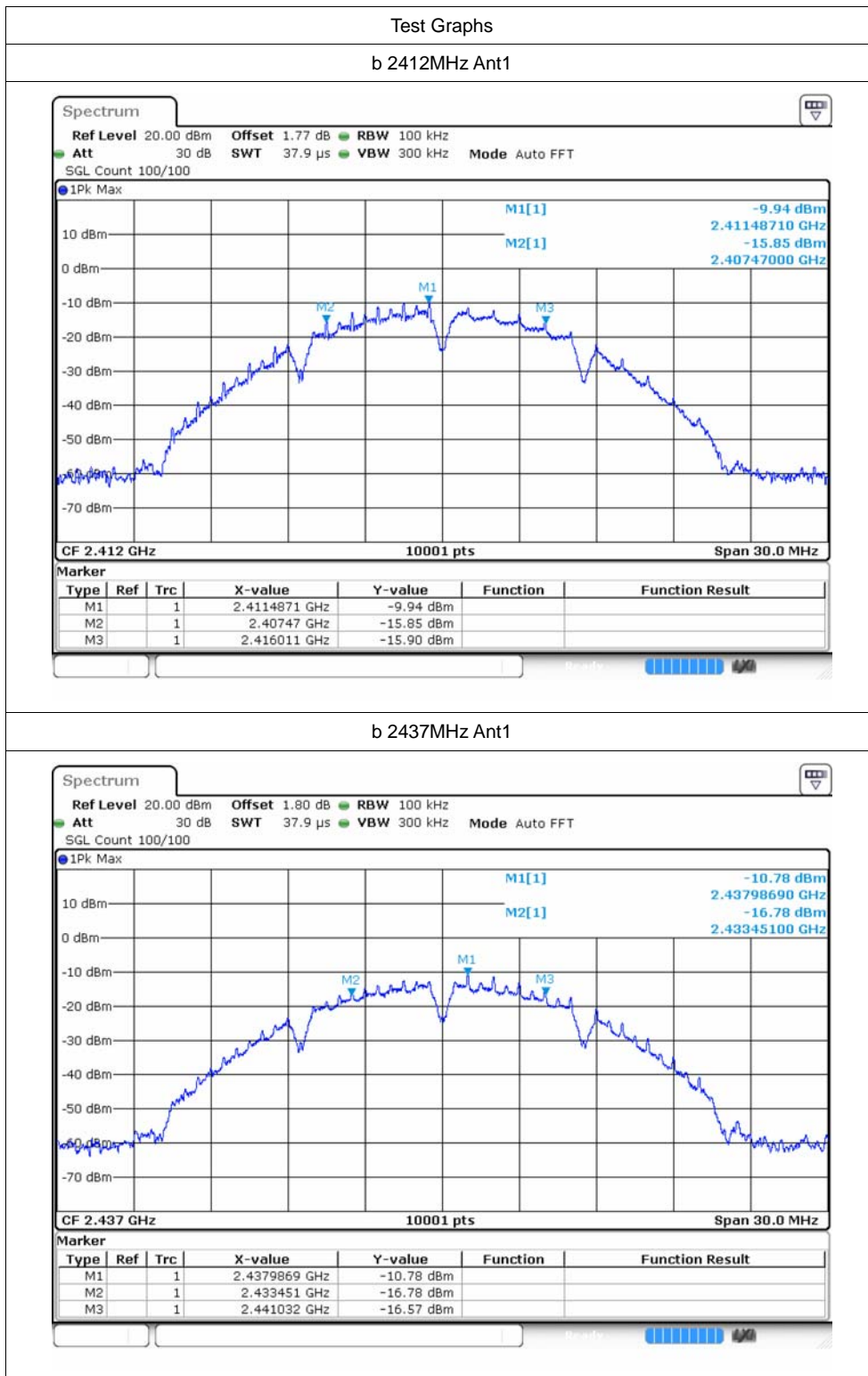


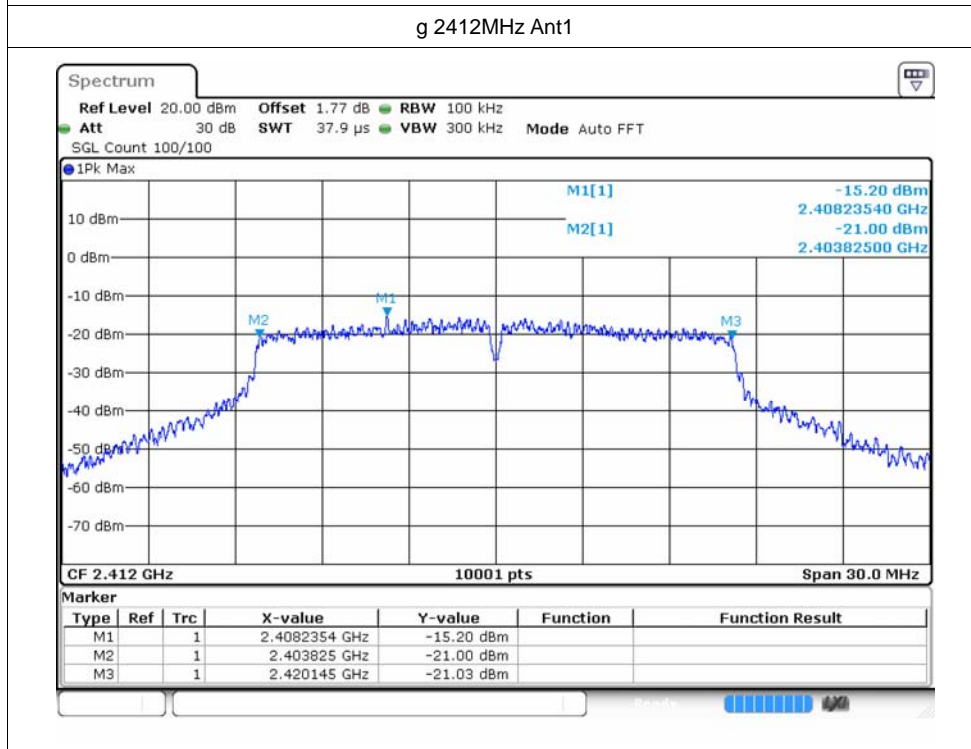
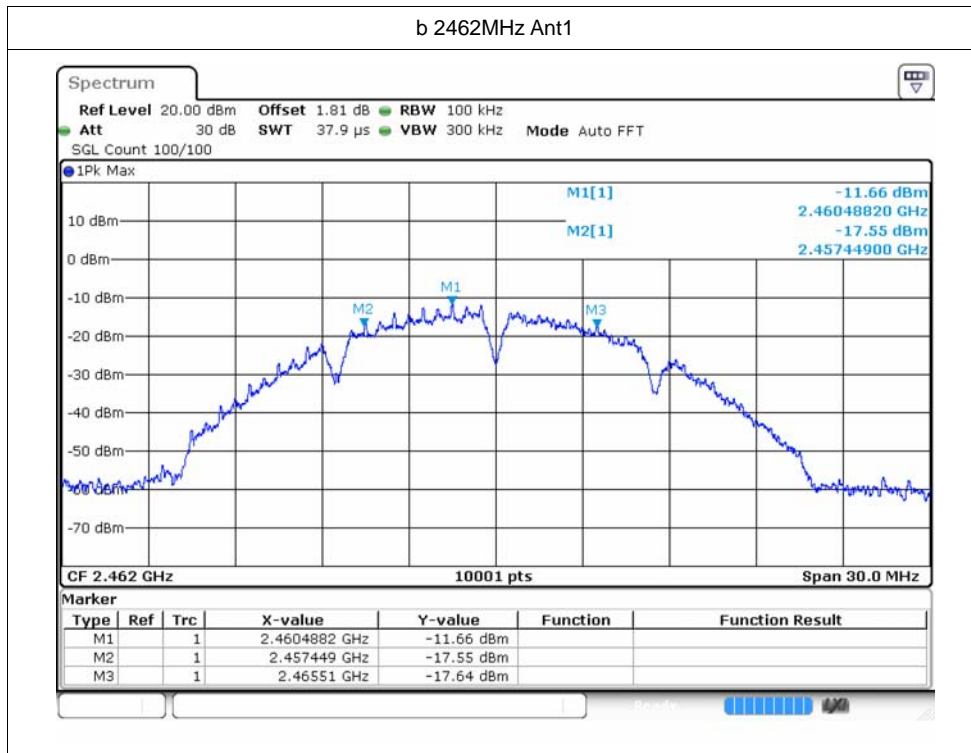
### 3 -6dB Bandwidth

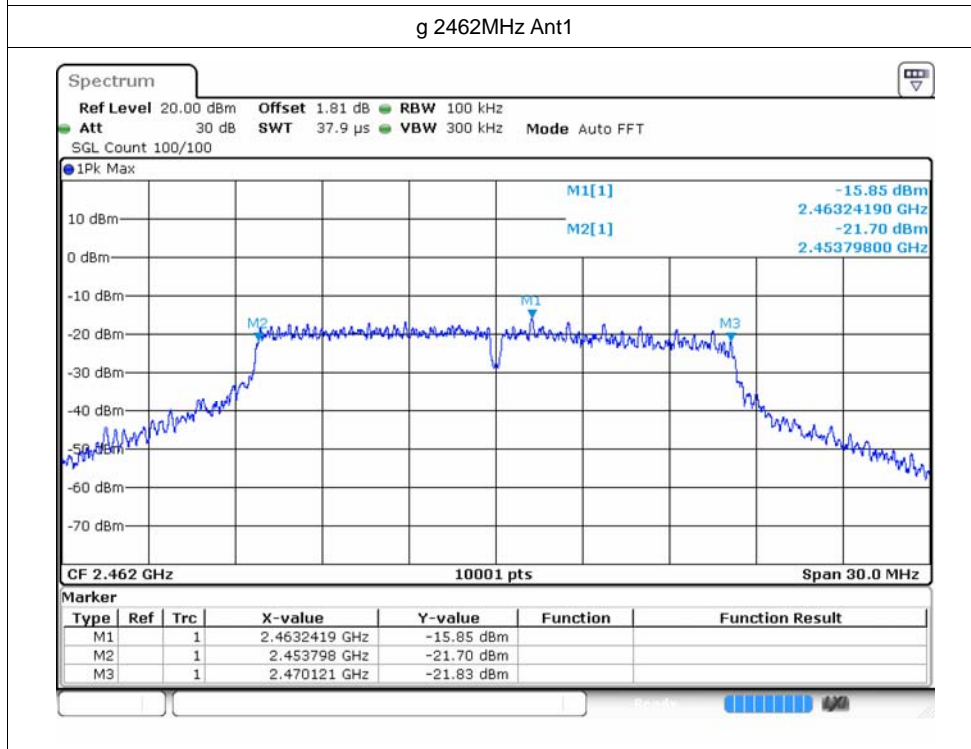
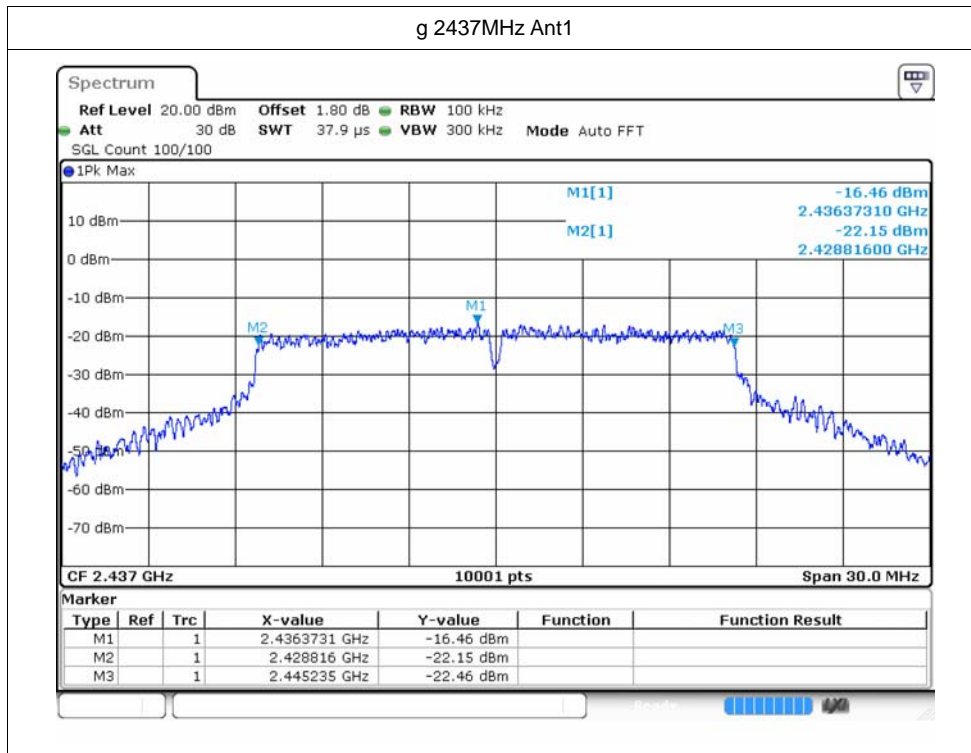
#### 3.1 Test Result

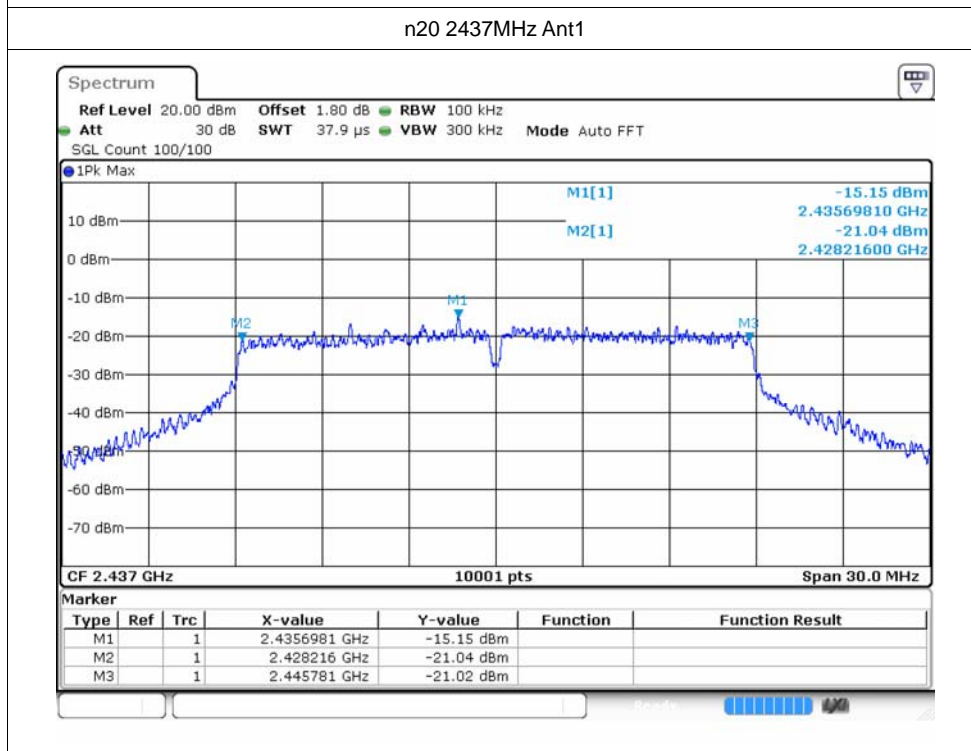
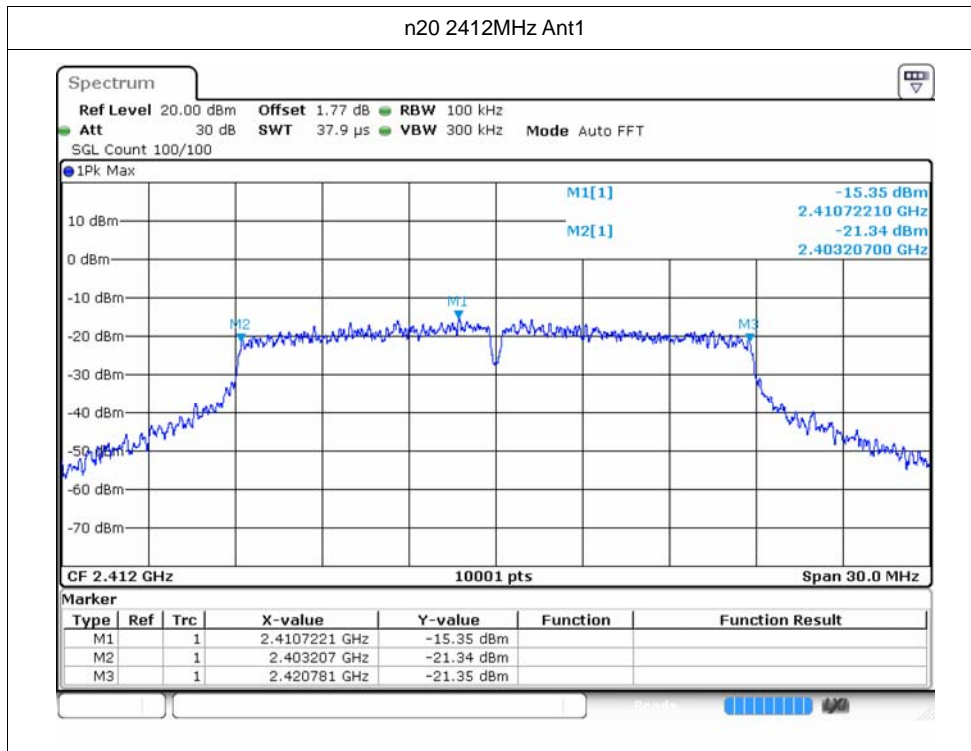
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	8.541	0.5	Pass
b	2437	Ant1	7.581	0.5	Pass
b	2462	Ant1	8.061	0.5	Pass
g	2412	Ant1	16.32	0.5	Pass
g	2437	Ant1	16.419	0.5	Pass
g	2462	Ant1	16.323	0.5	Pass
n20	2412	Ant1	17.574	0.5	Pass
n20	2437	Ant1	17.565	0.5	Pass
n20	2462	Ant1	16.272	0.5	Pass
n40	2422	Ant1	36.294	0.5	Pass
n40	2437	Ant1	36.348	0.5	Pass
n40	2452	Ant1	33.81	0.5	Pass

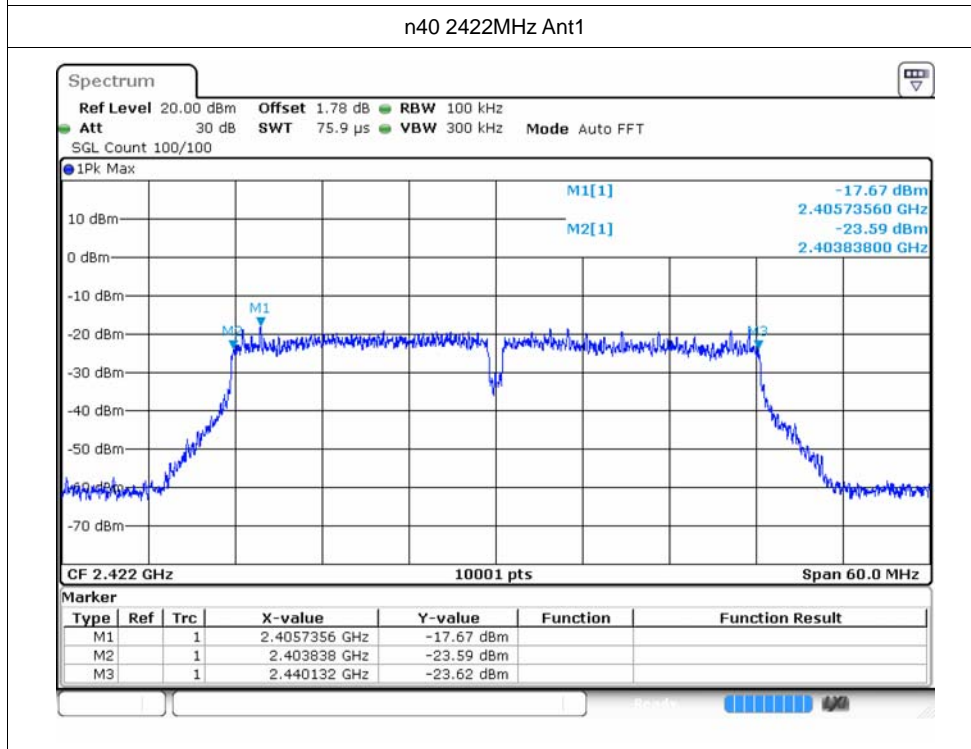
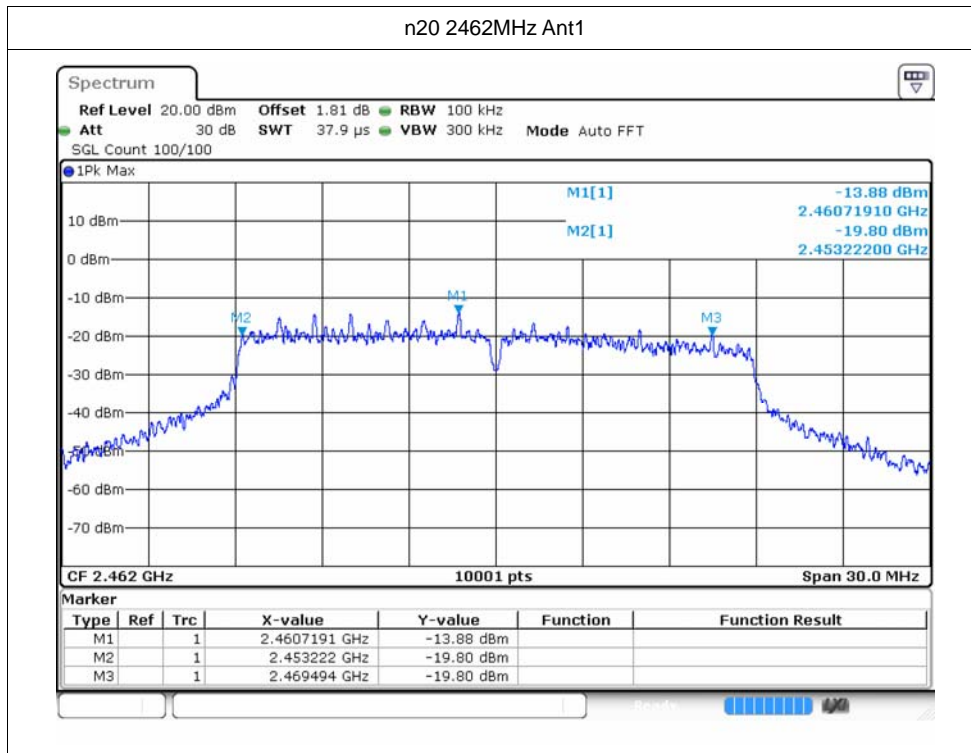
### 3.2 Test Graphs



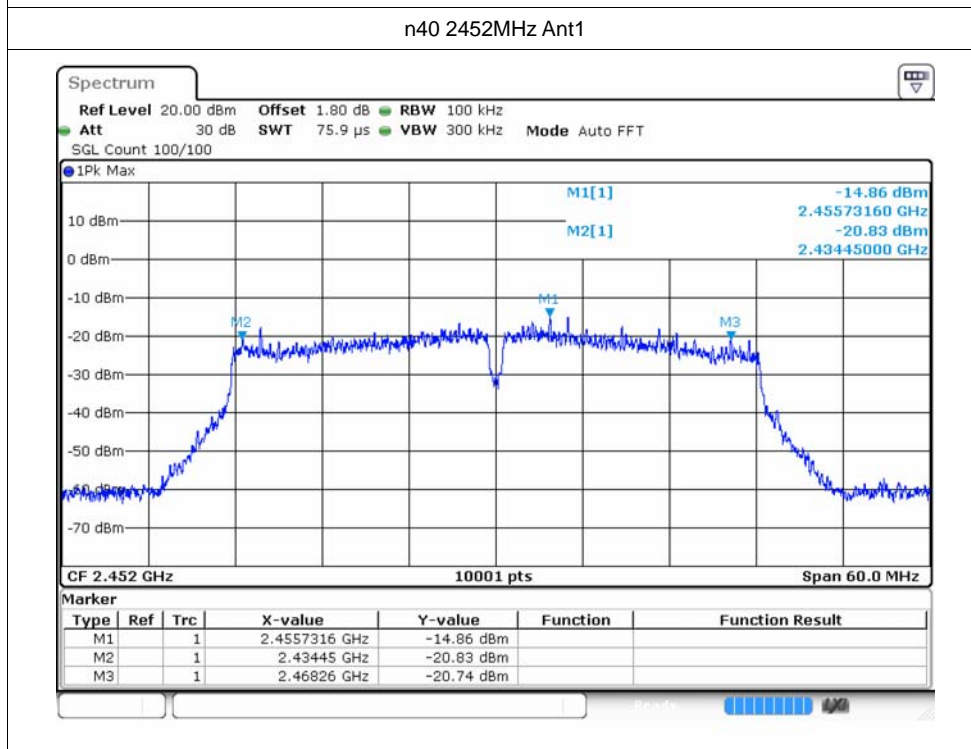
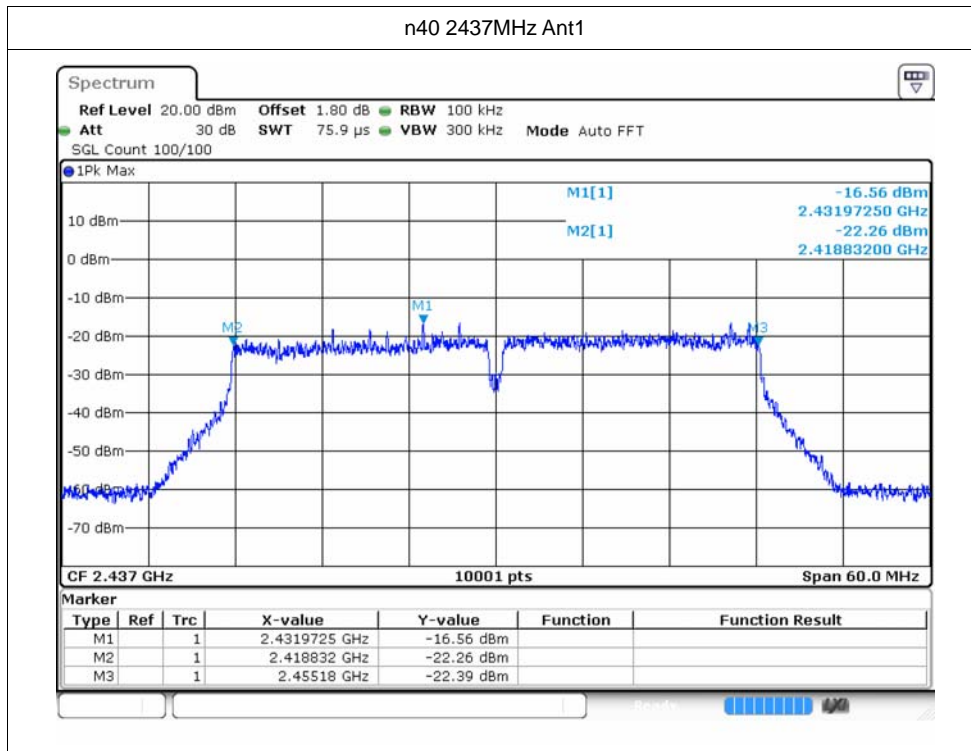










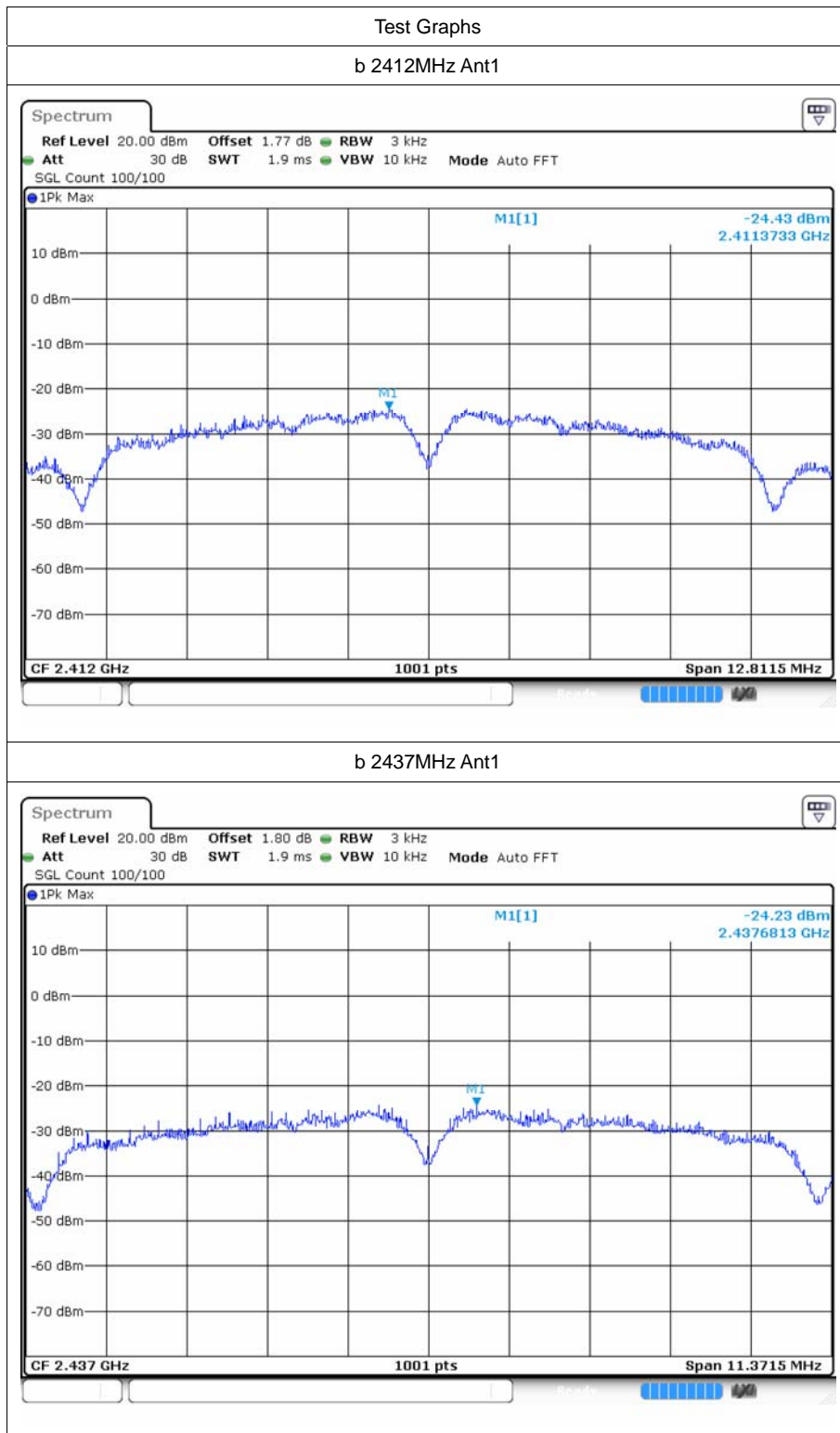


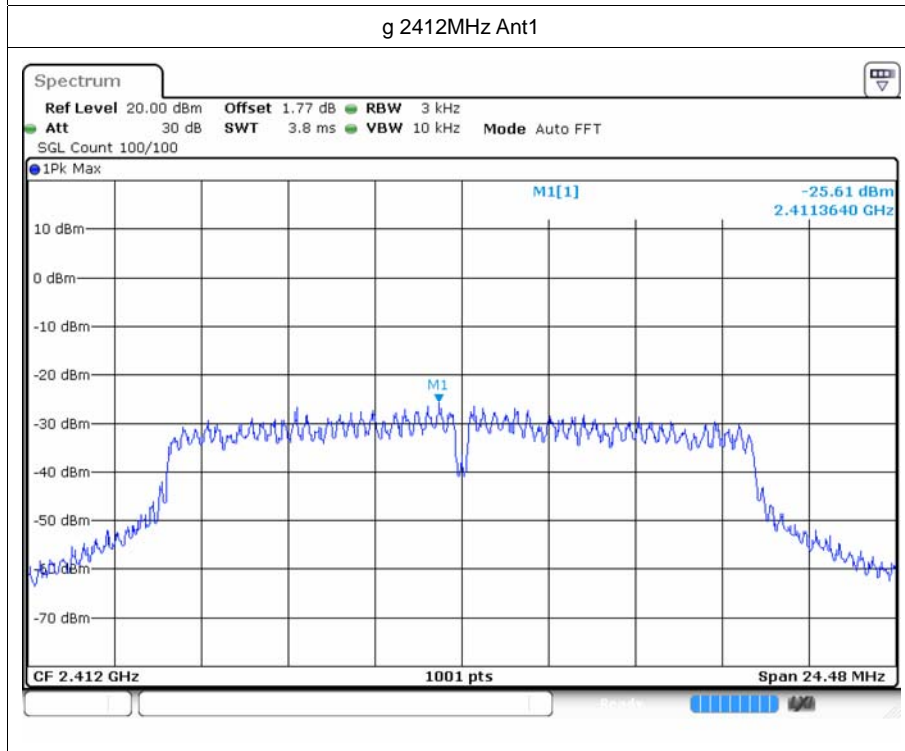
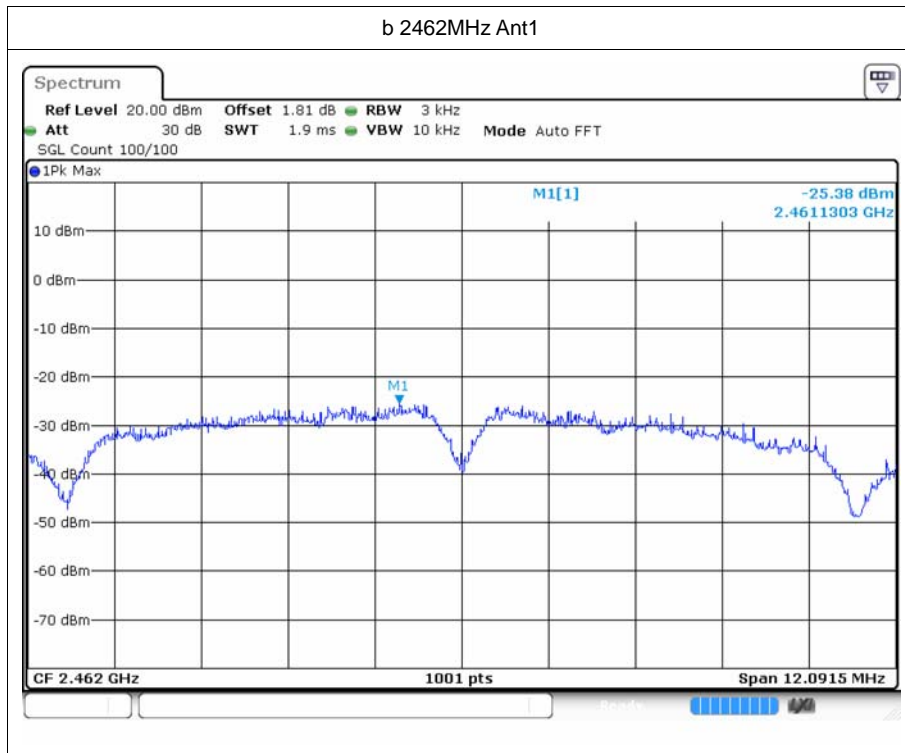
## 4 Maximum Power Spectral Density Level

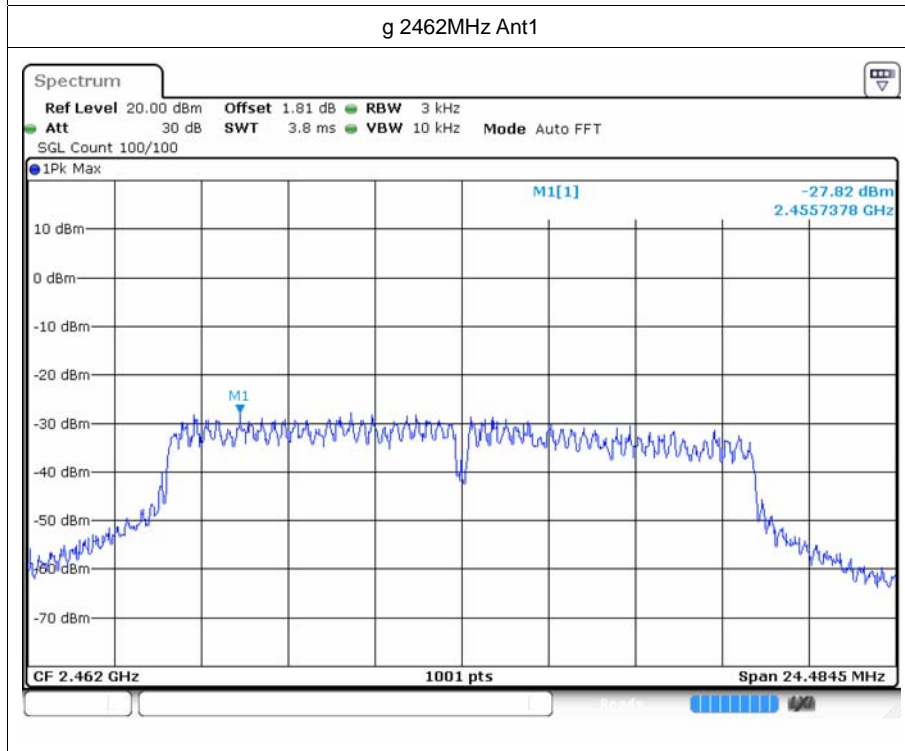
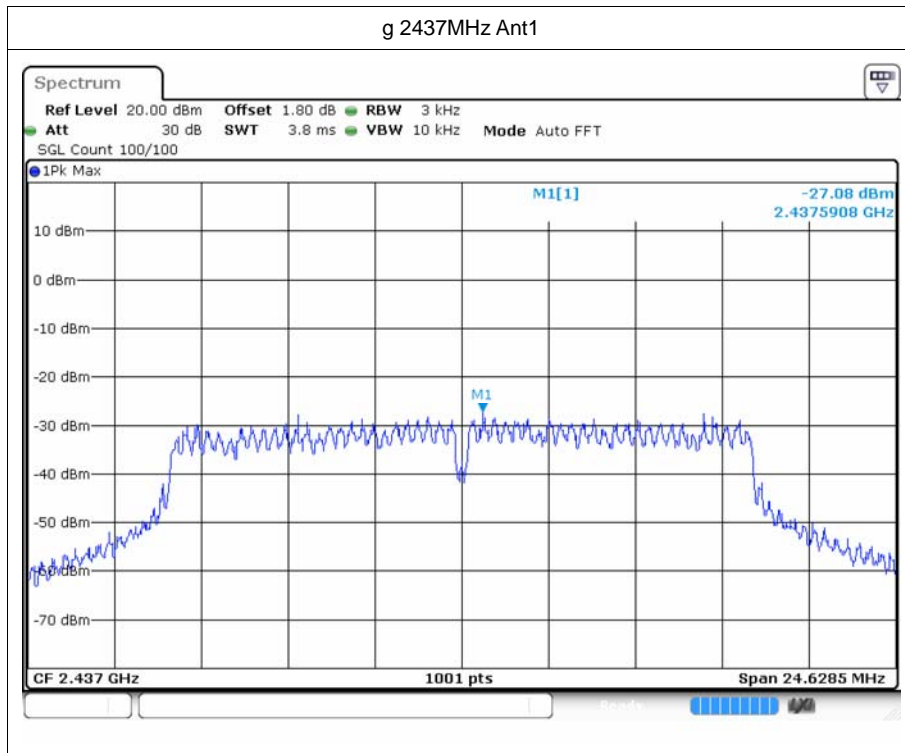
### 4.1 Test Result

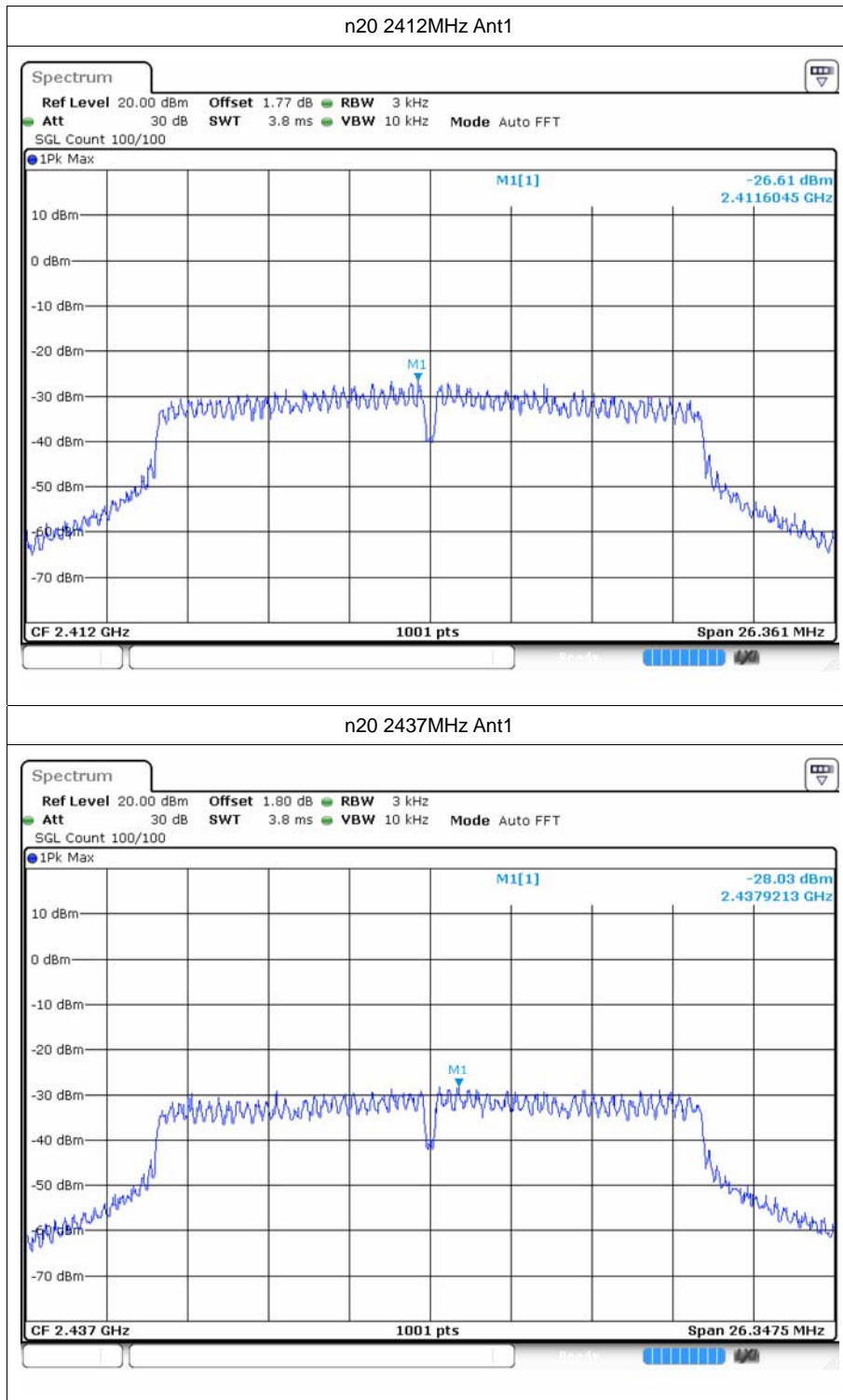
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-24.43	≤8	Pass
b	2437	Ant1	-24.23	≤8	Pass
b	2462	Ant1	-25.38	≤8	Pass
g	2412	Ant1	-25.61	≤8	Pass
g	2437	Ant1	-27.08	≤8	Pass
g	2462	Ant1	-27.82	≤8	Pass
n20	2412	Ant1	-26.61	≤8	Pass
n20	2437	Ant1	-28.03	≤8	Pass
n20	2462	Ant1	-28.21	≤8	Pass
n40	2422	Ant1	-29.39	≤8	Pass
n40	2437	Ant1	-29.73	≤8	Pass
n40	2452	Ant1	-27.96	≤8	Pass

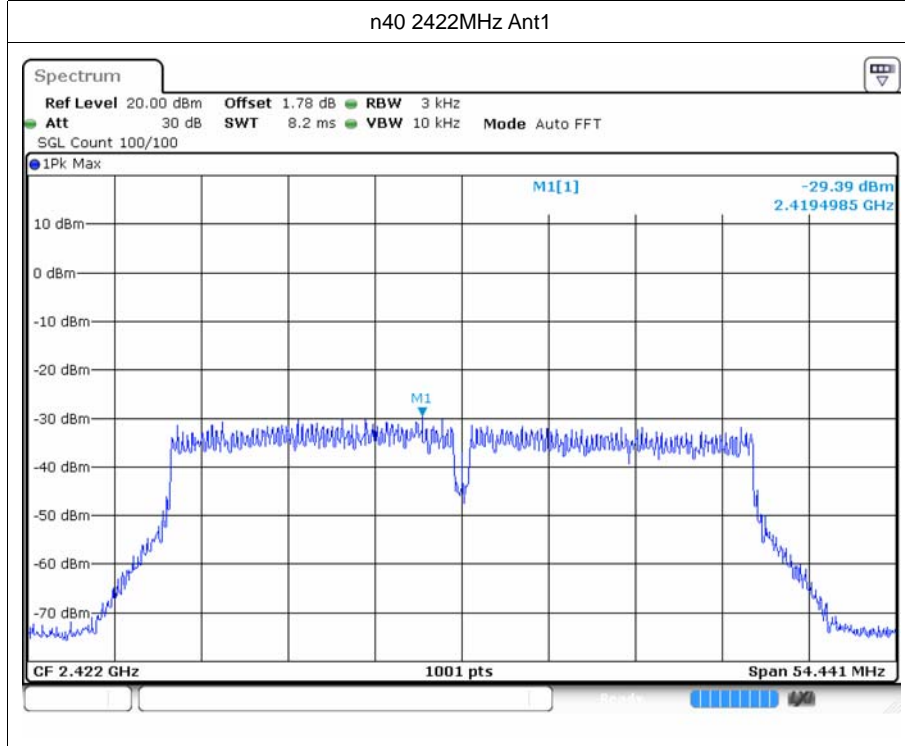
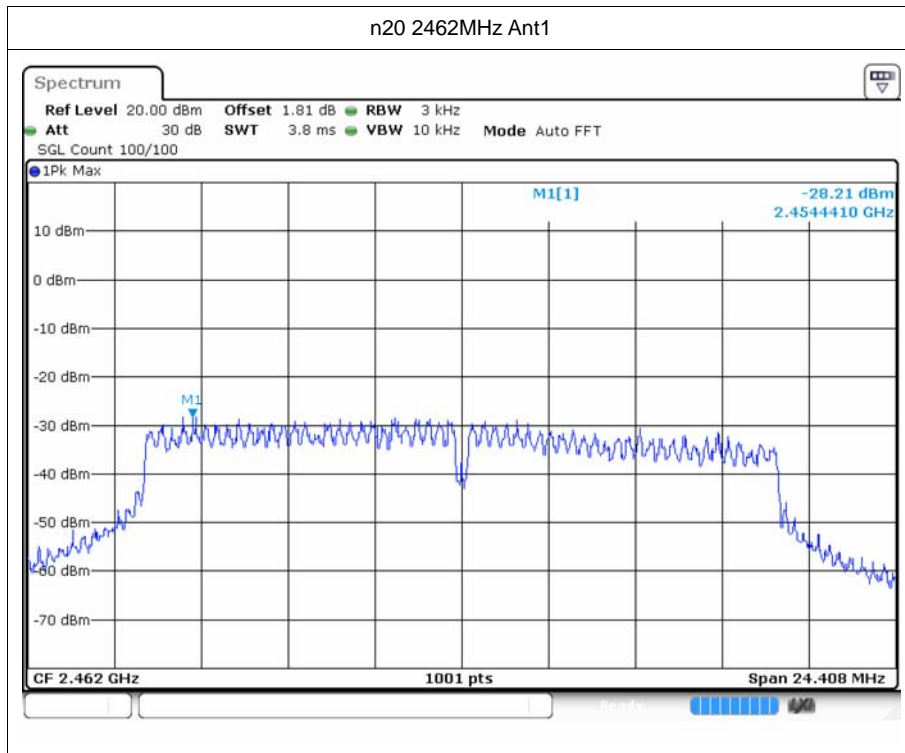
## 4.2 Test Graphs

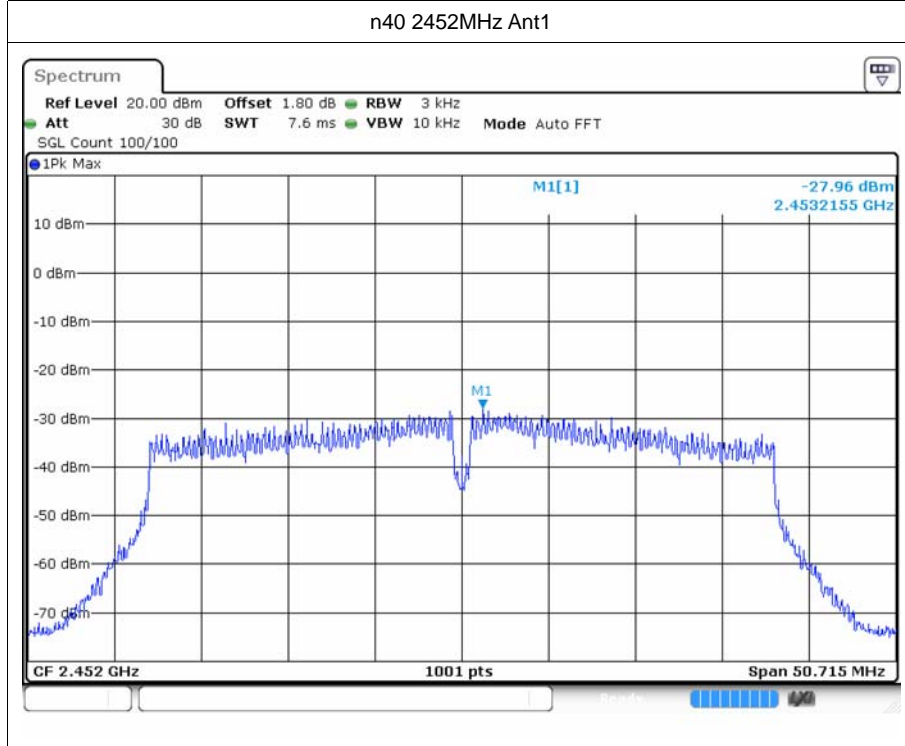
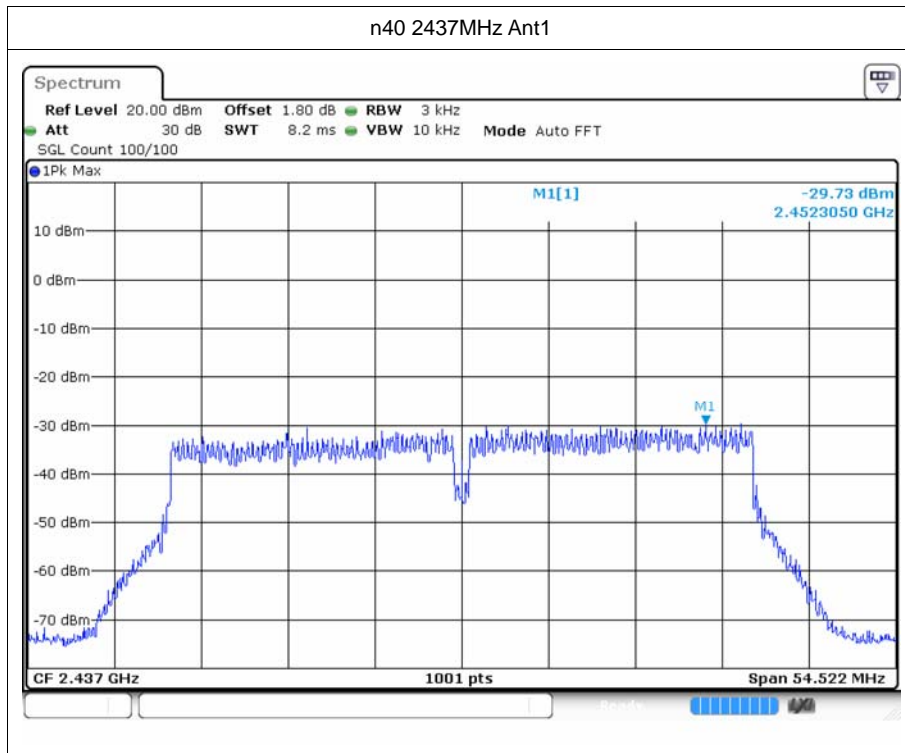














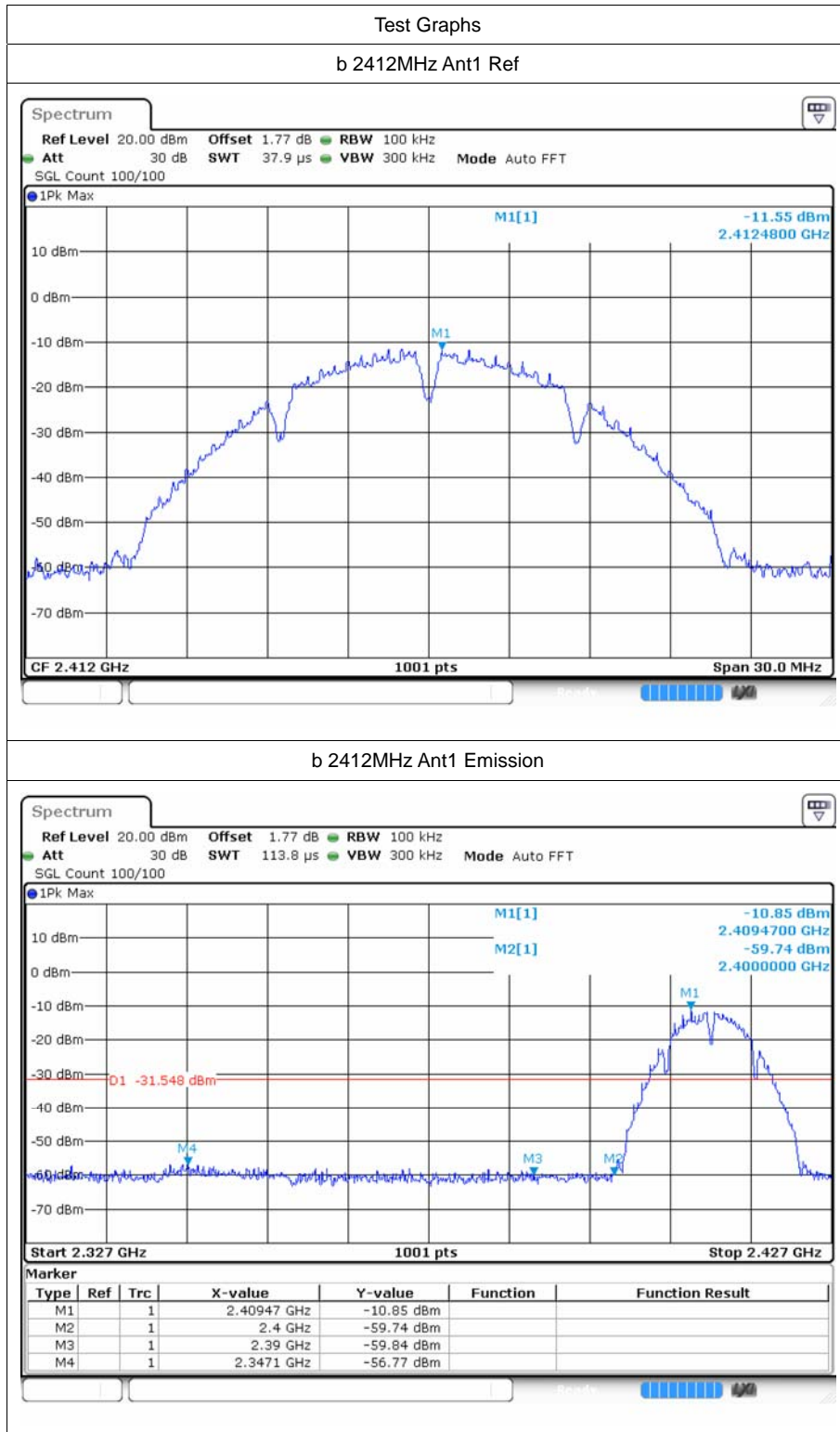


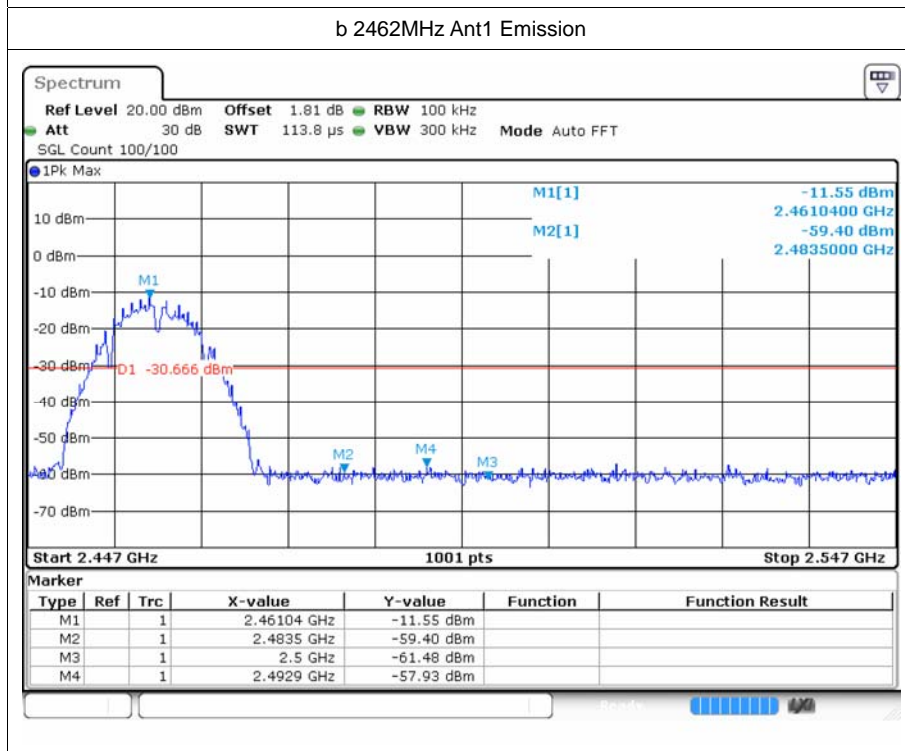
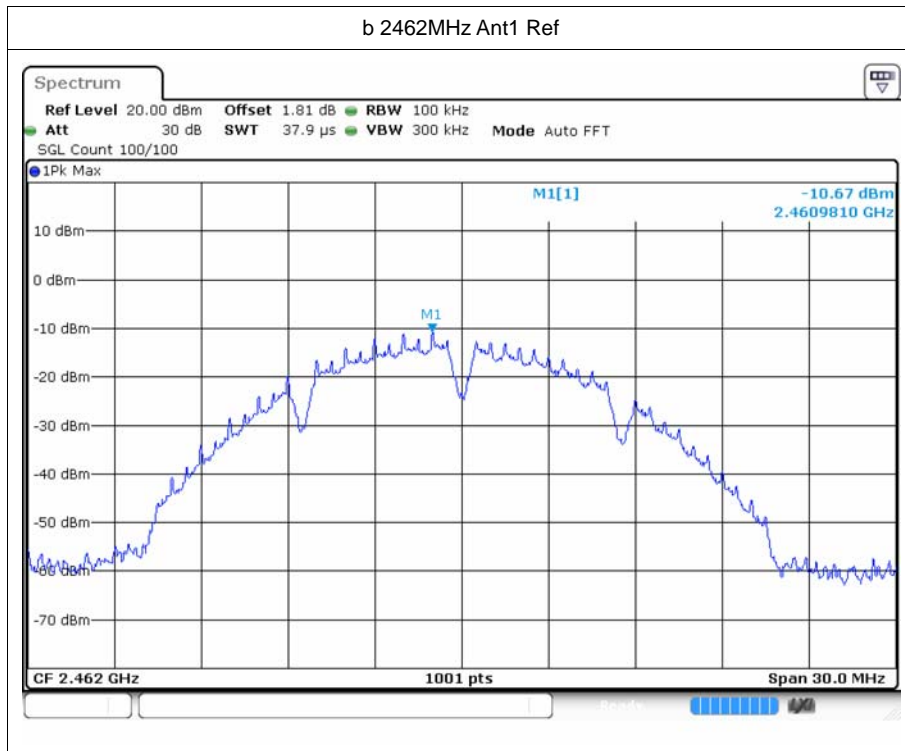
## 5 Band Edge

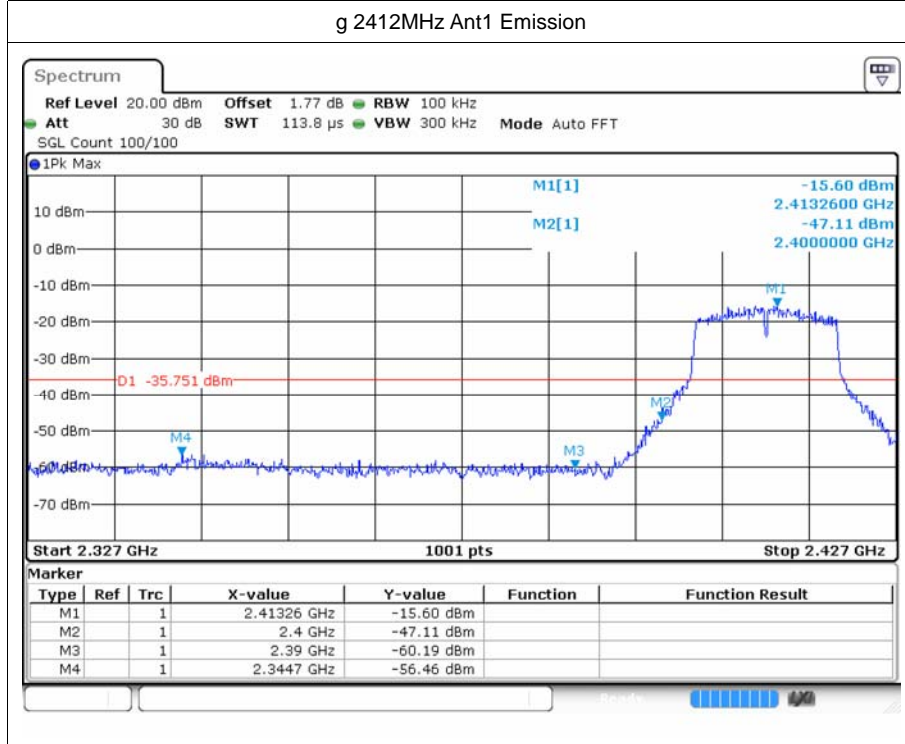
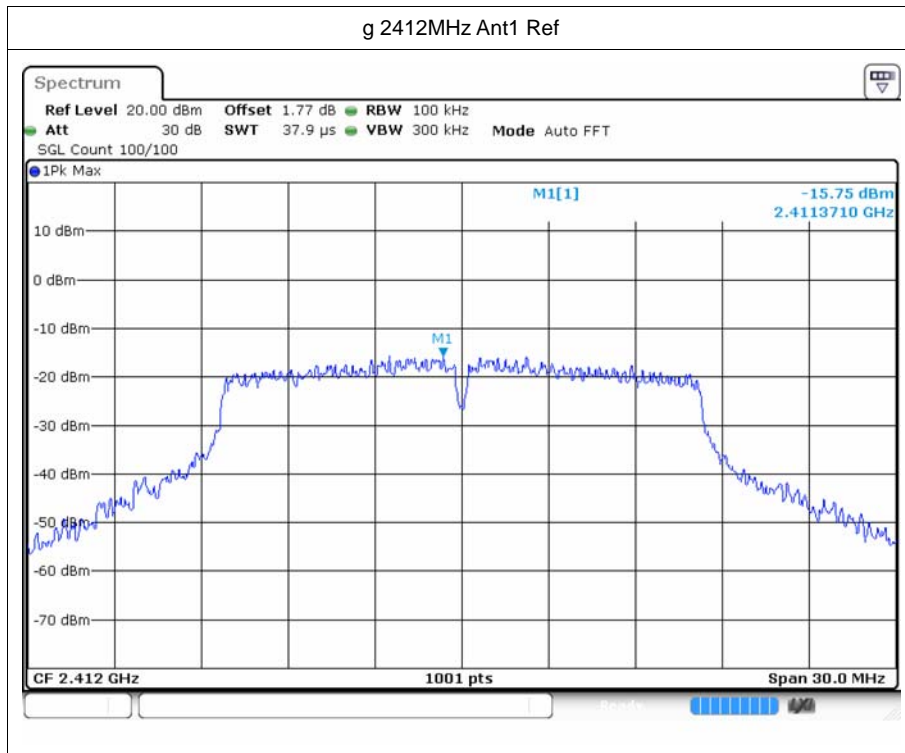
### 5.1 Test Result

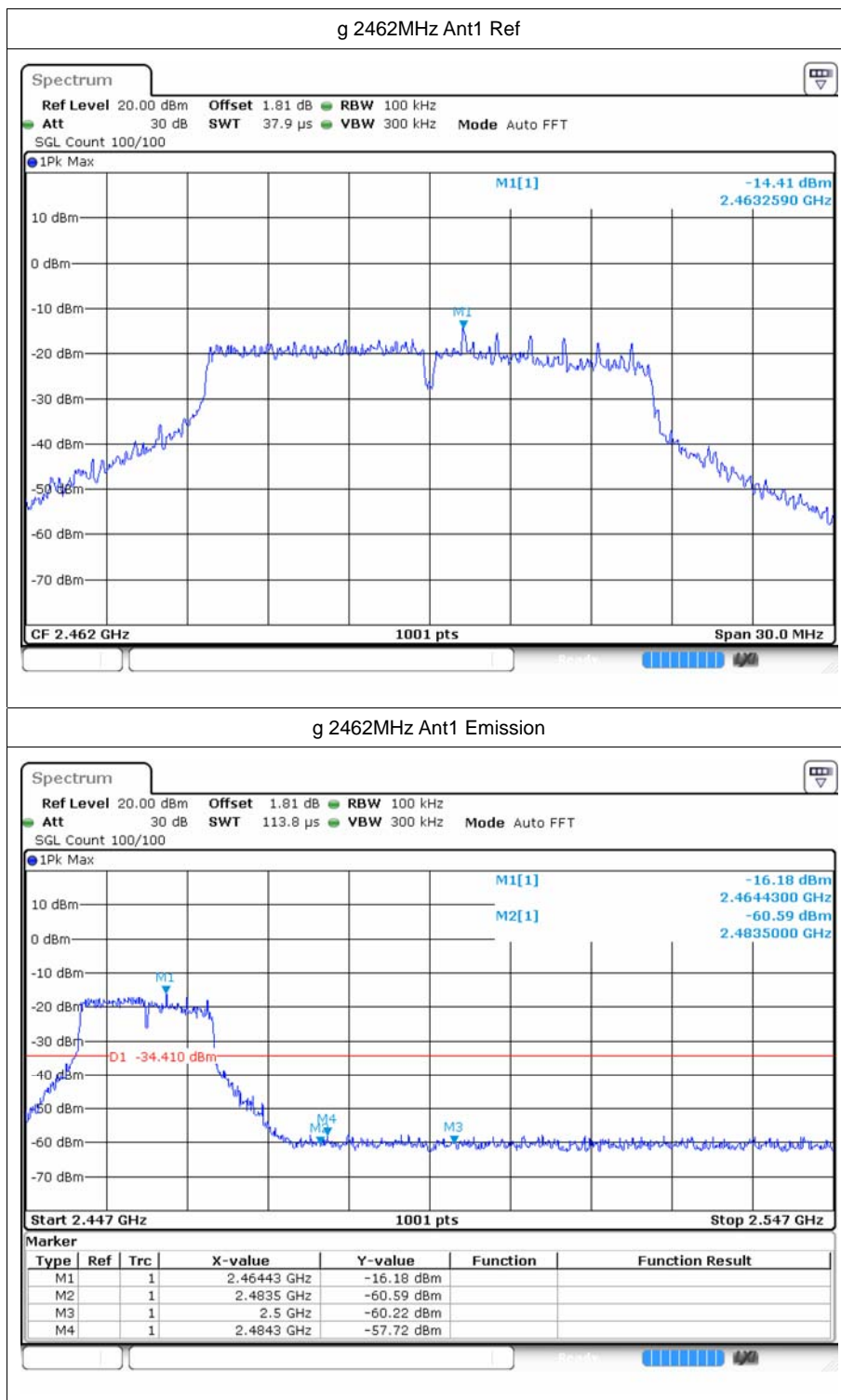
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-45.22	-20	-45.22
b	2462	Ant1	-47.25	-20	Pass
g	2412	Ant1	-40.7	-20	Pass
g	2462	Ant1	-43.31	-20	Pass
n20	2412	Ant1	-41.77	-20	Pass
n20	2462	Ant1	-42.12	-20	Pass
n40	2422	Ant1	-42.04	-20	Pass
n40	2452	Ant1	-43.58	-20	Pass

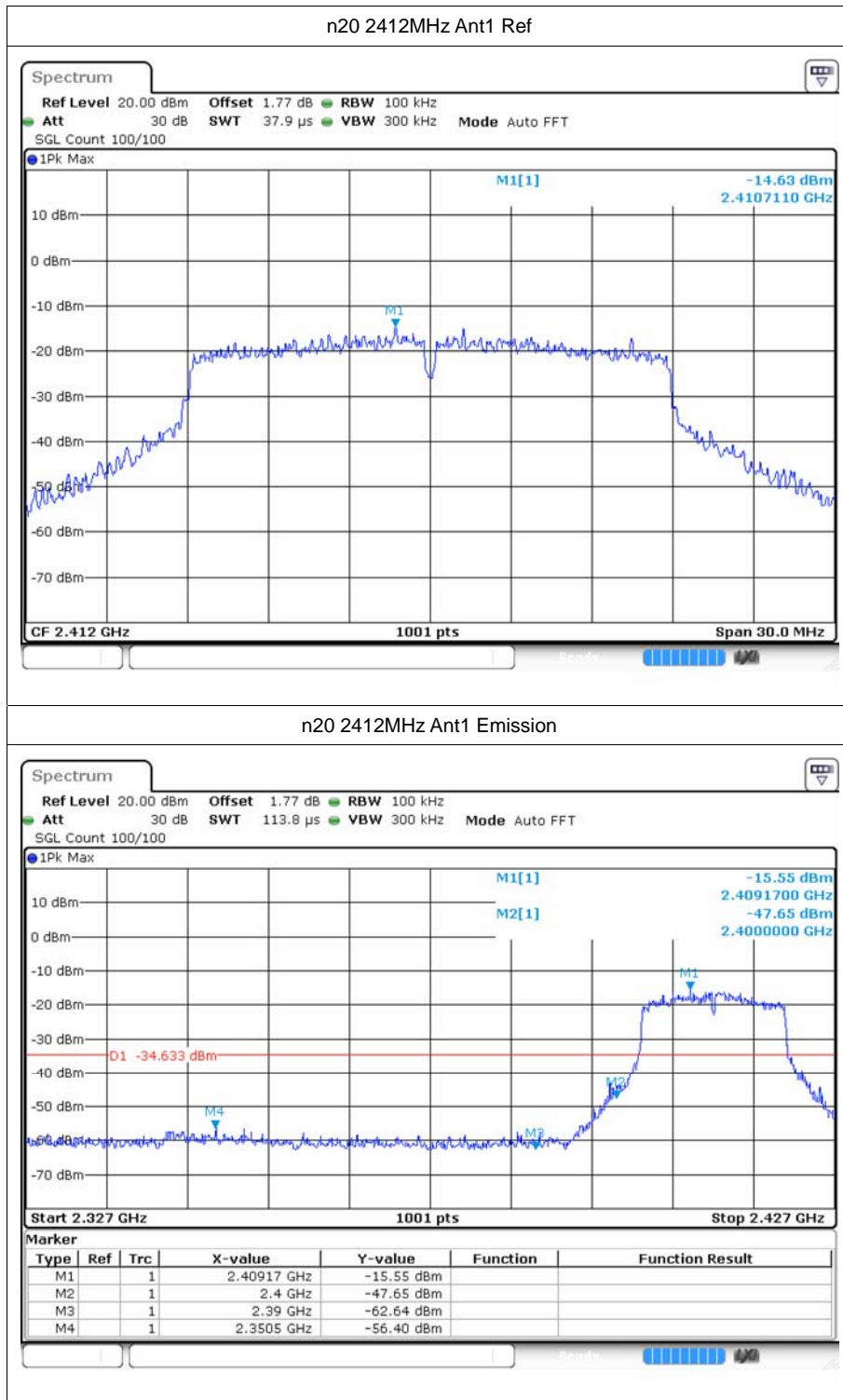
## 5.2 Test Graphs

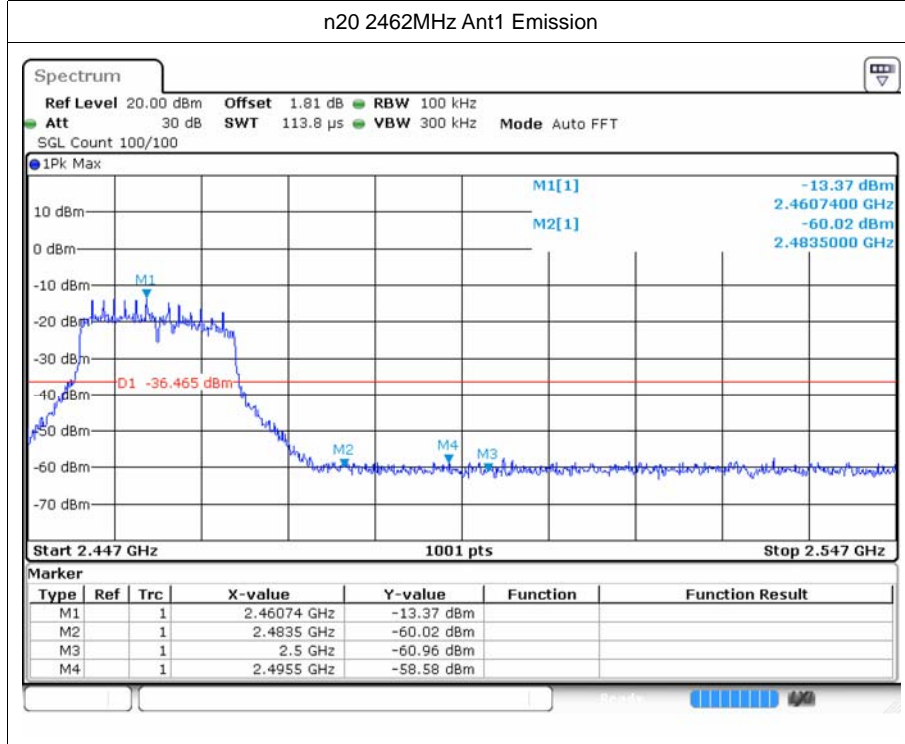
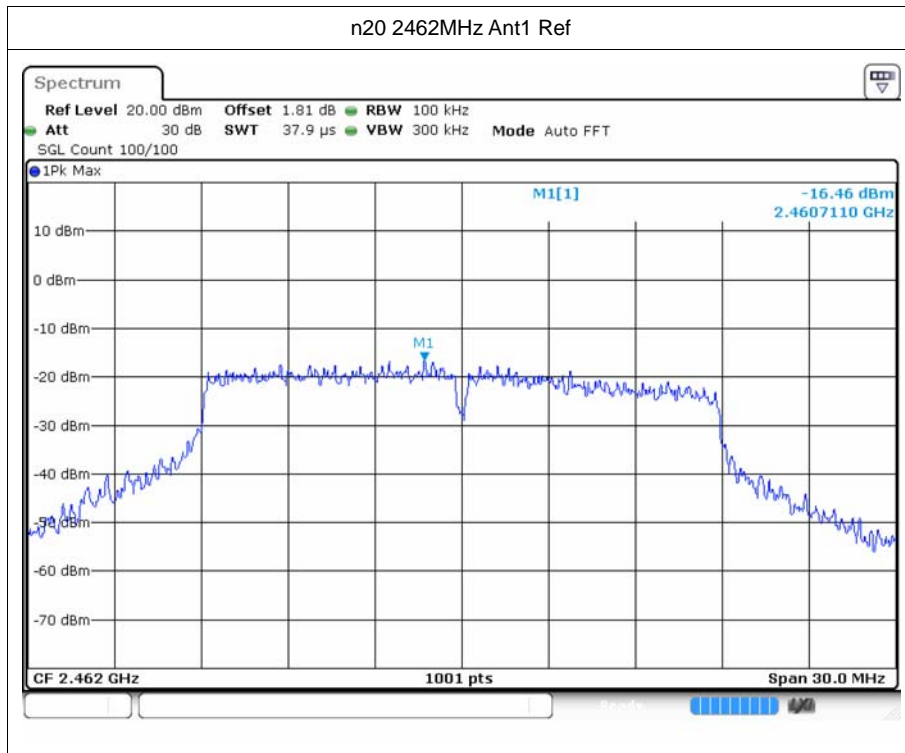


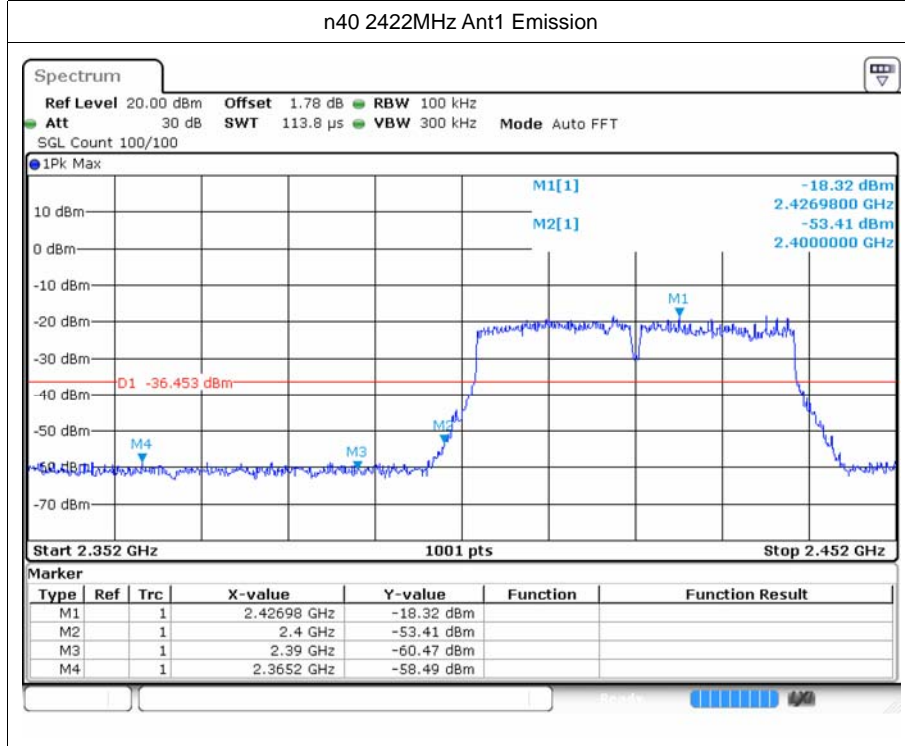
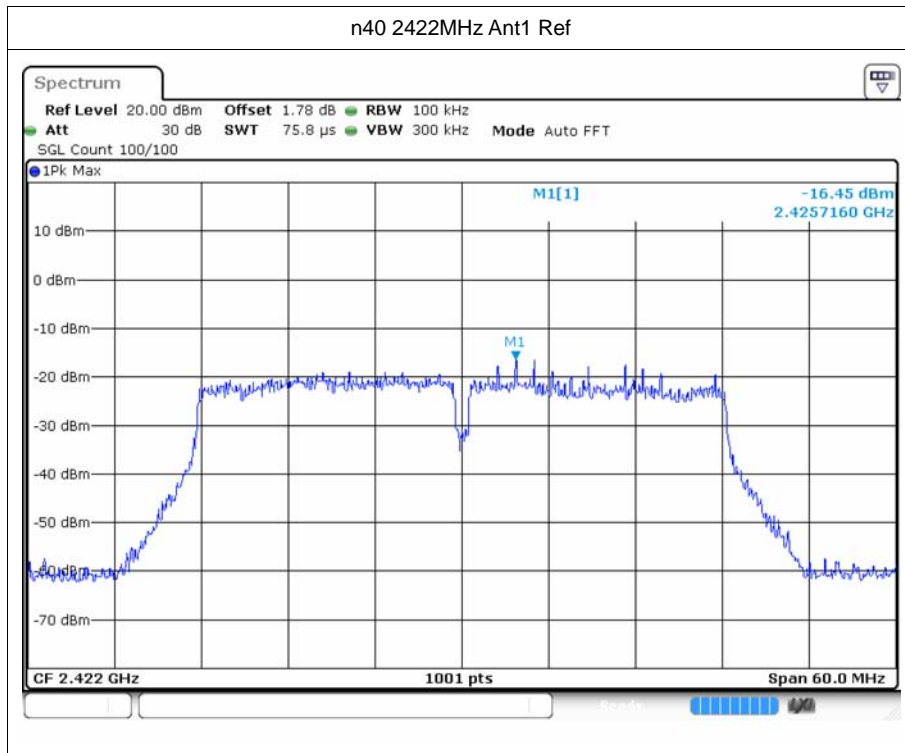




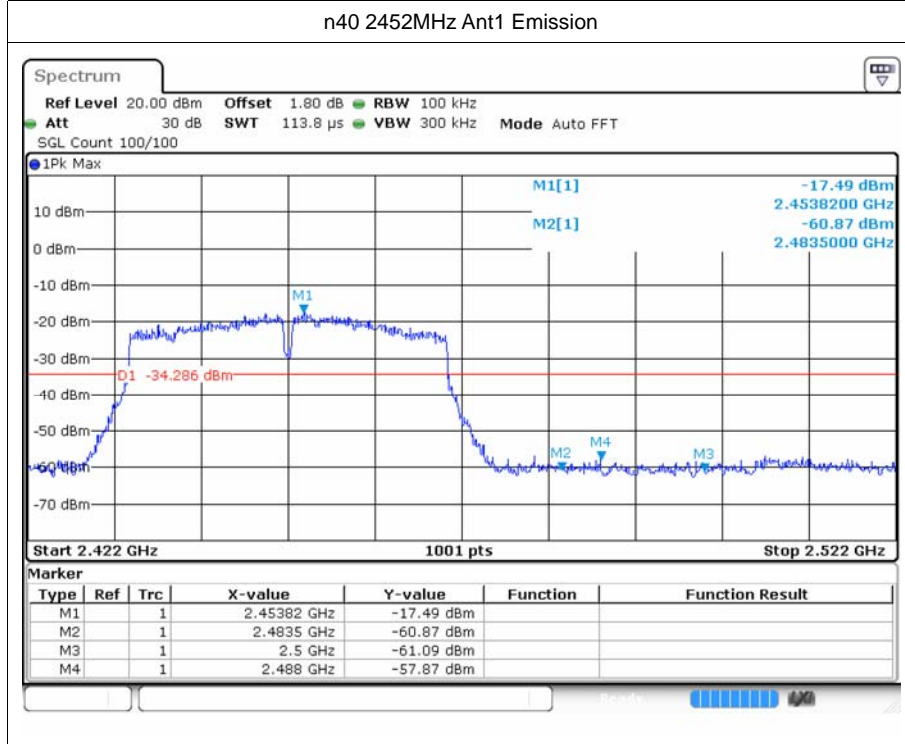
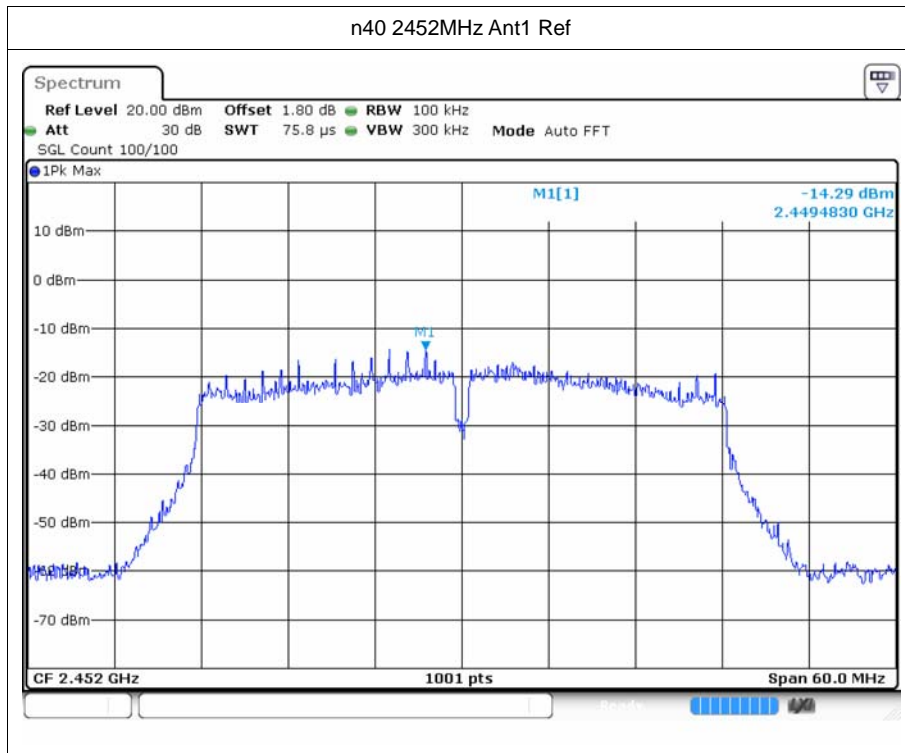












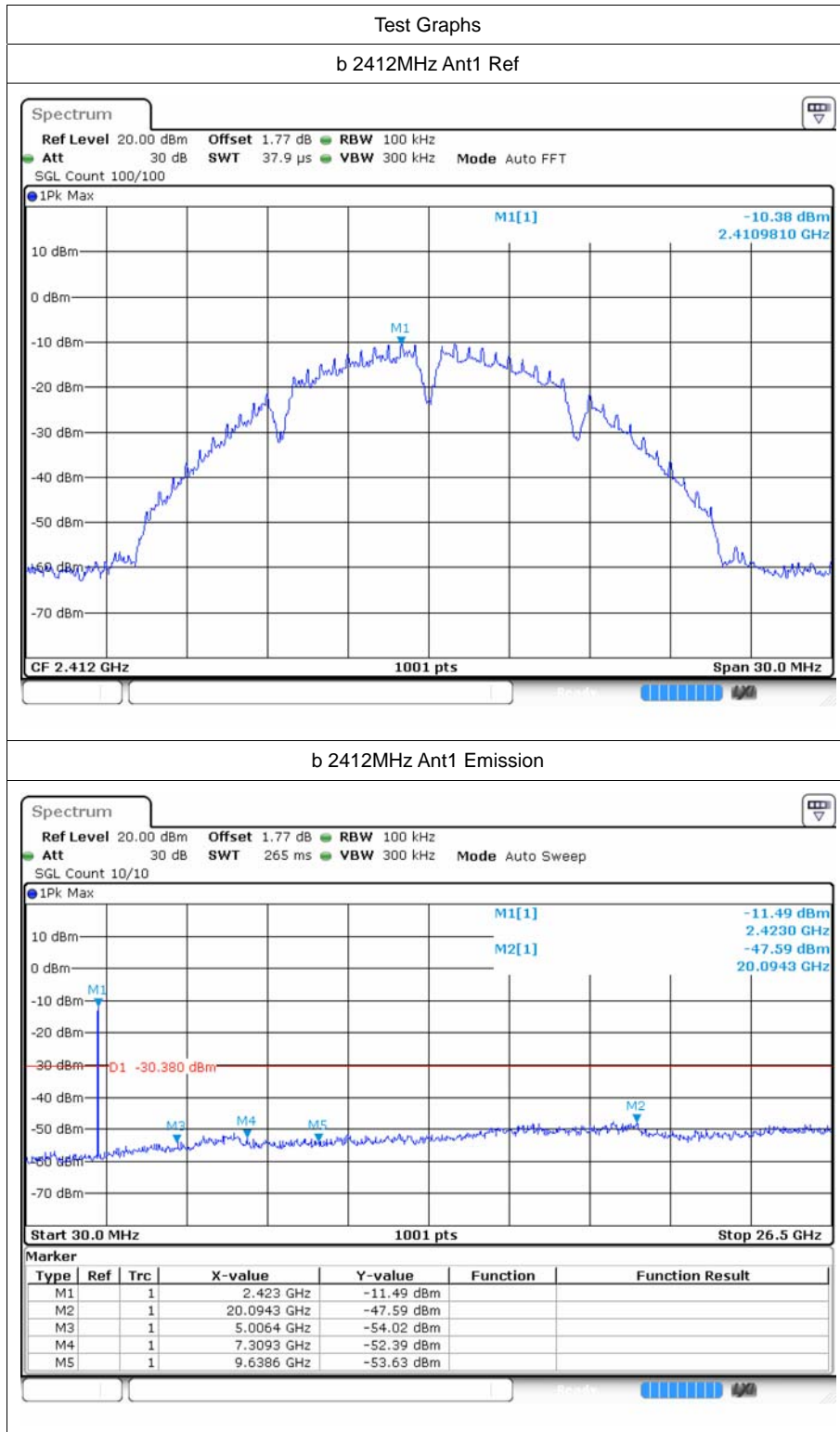


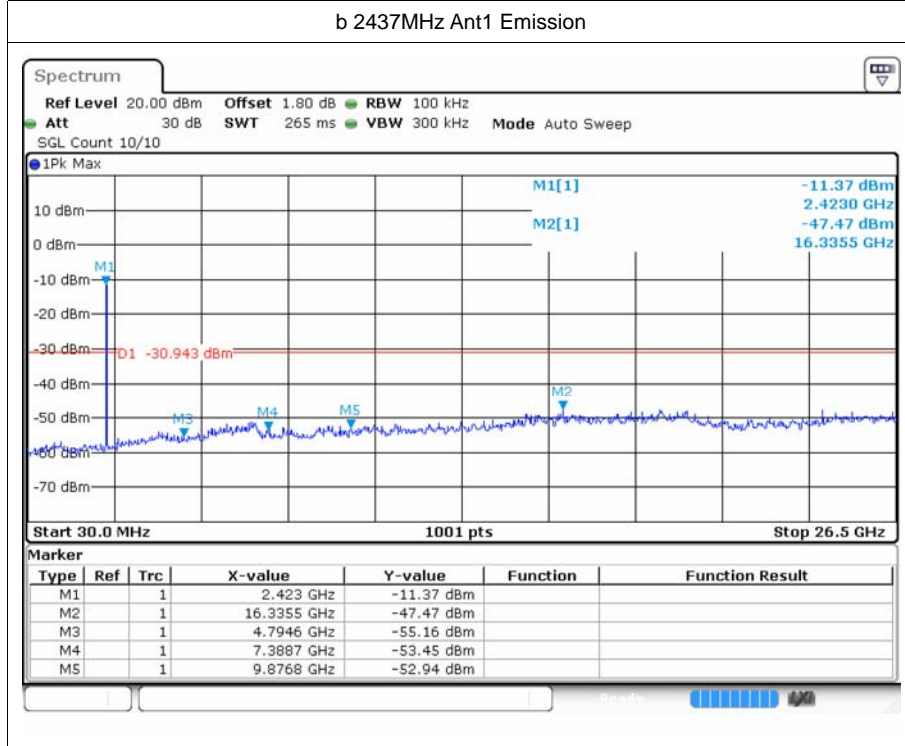
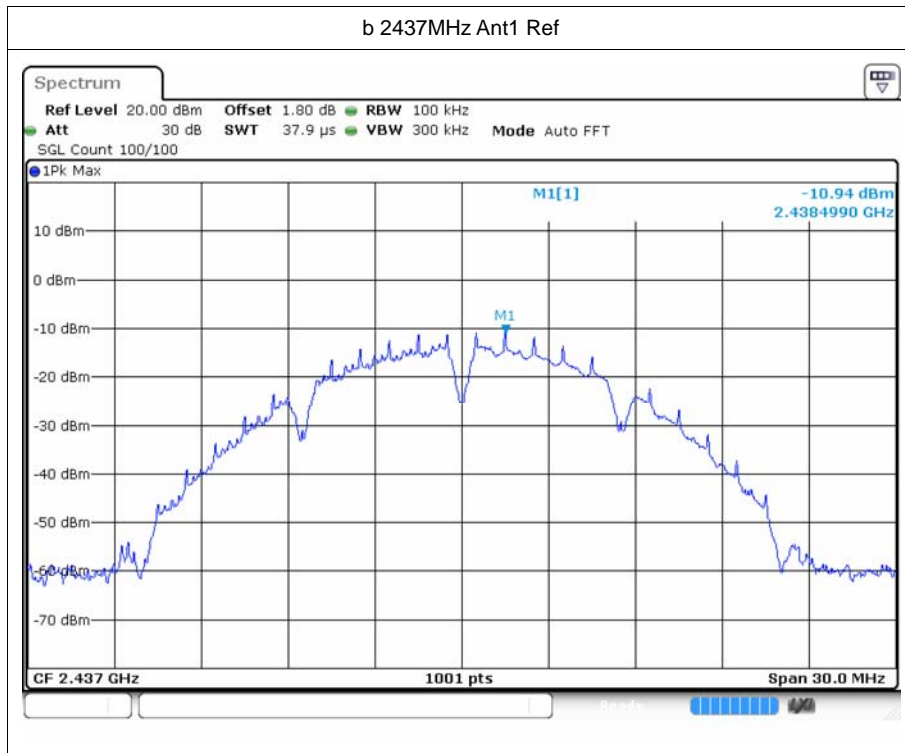
## 6 Conducted RF Spurious Emission

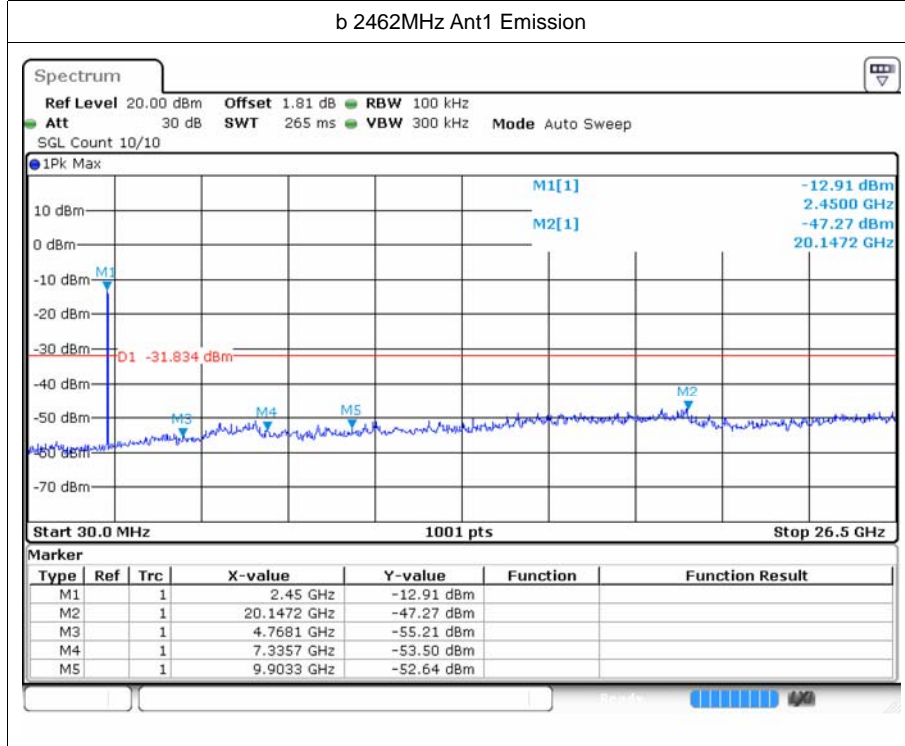
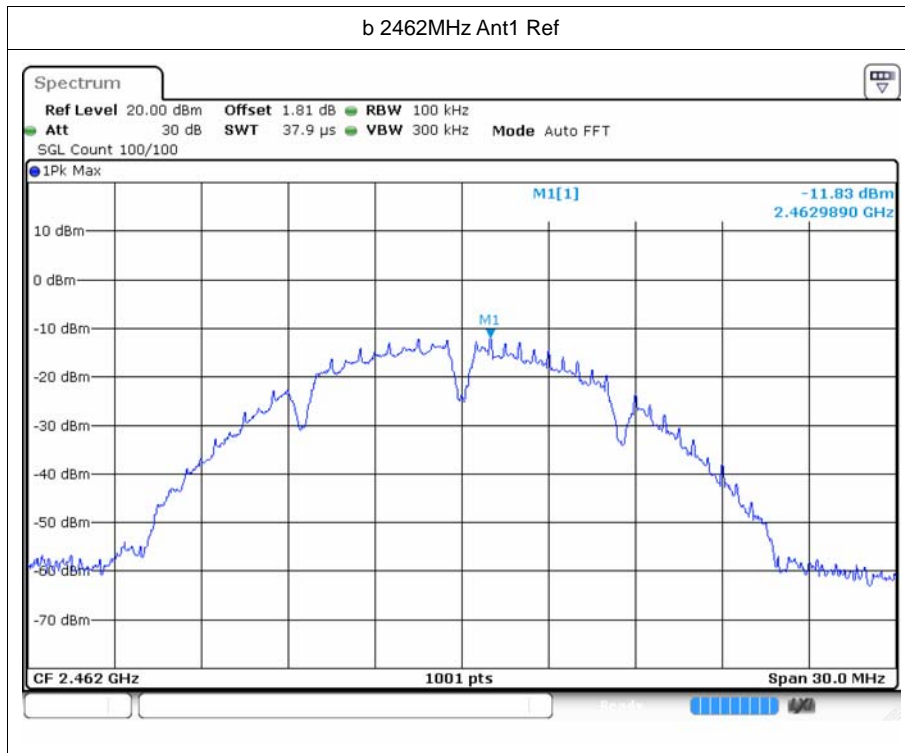
### 6.1 Test Result

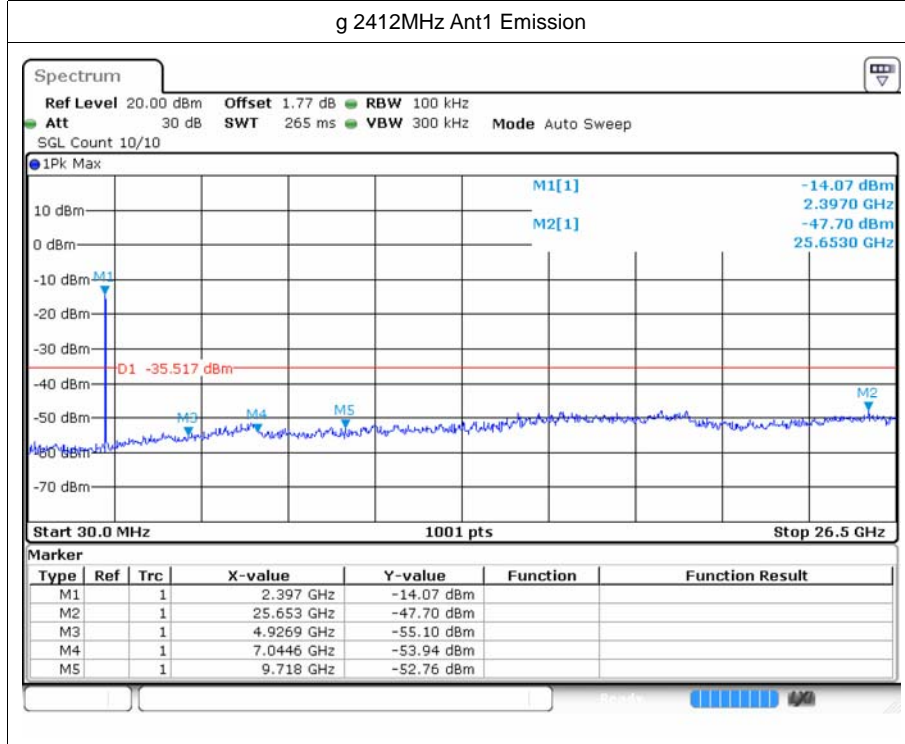
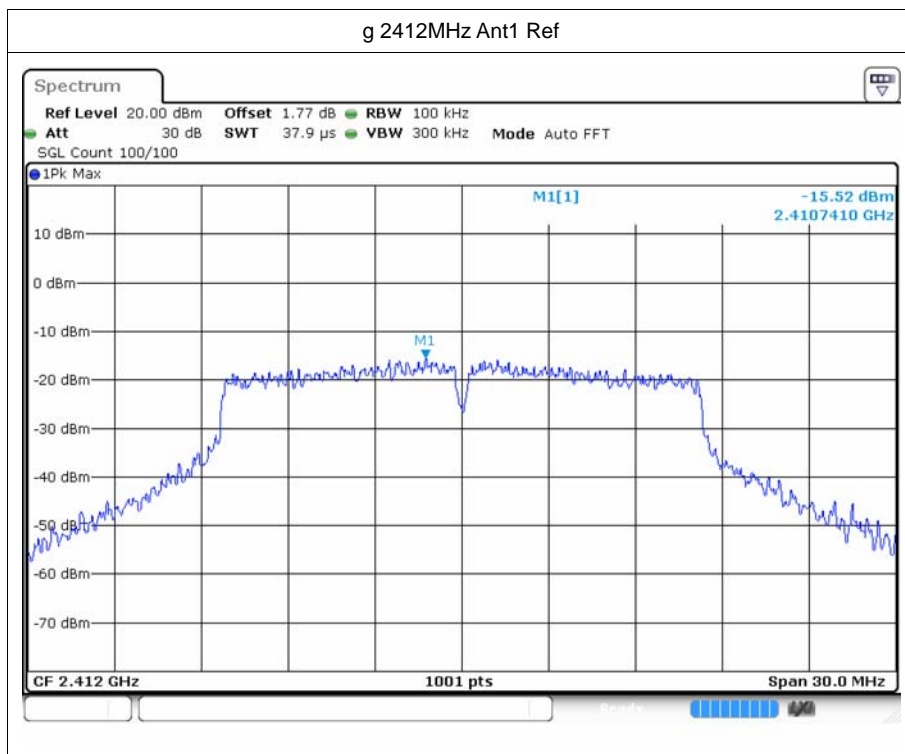
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-37.2	-20	Pass
b	2437	Ant1	-36.52	-20	Pass
b	2462	Ant1	-35.44	-20	Pass
g	2412	Ant1	-32.17	-20	Pass
g	2437	Ant1	-29.66	-20	Pass
g	2462	Ant1	-33.93	-20	Pass
n20	2412	Ant1	-35.71	-20	Pass
n20	2437	Ant1	-31.11	-20	Pass
n20	2462	Ant1	-29.72	-20	Pass
n40	2422	Ant1	-31.85	-20	Pass
n40	2437	Ant1	-30.63	-20	Pass
n40	2452	Ant1	-32.81	-20	Pass

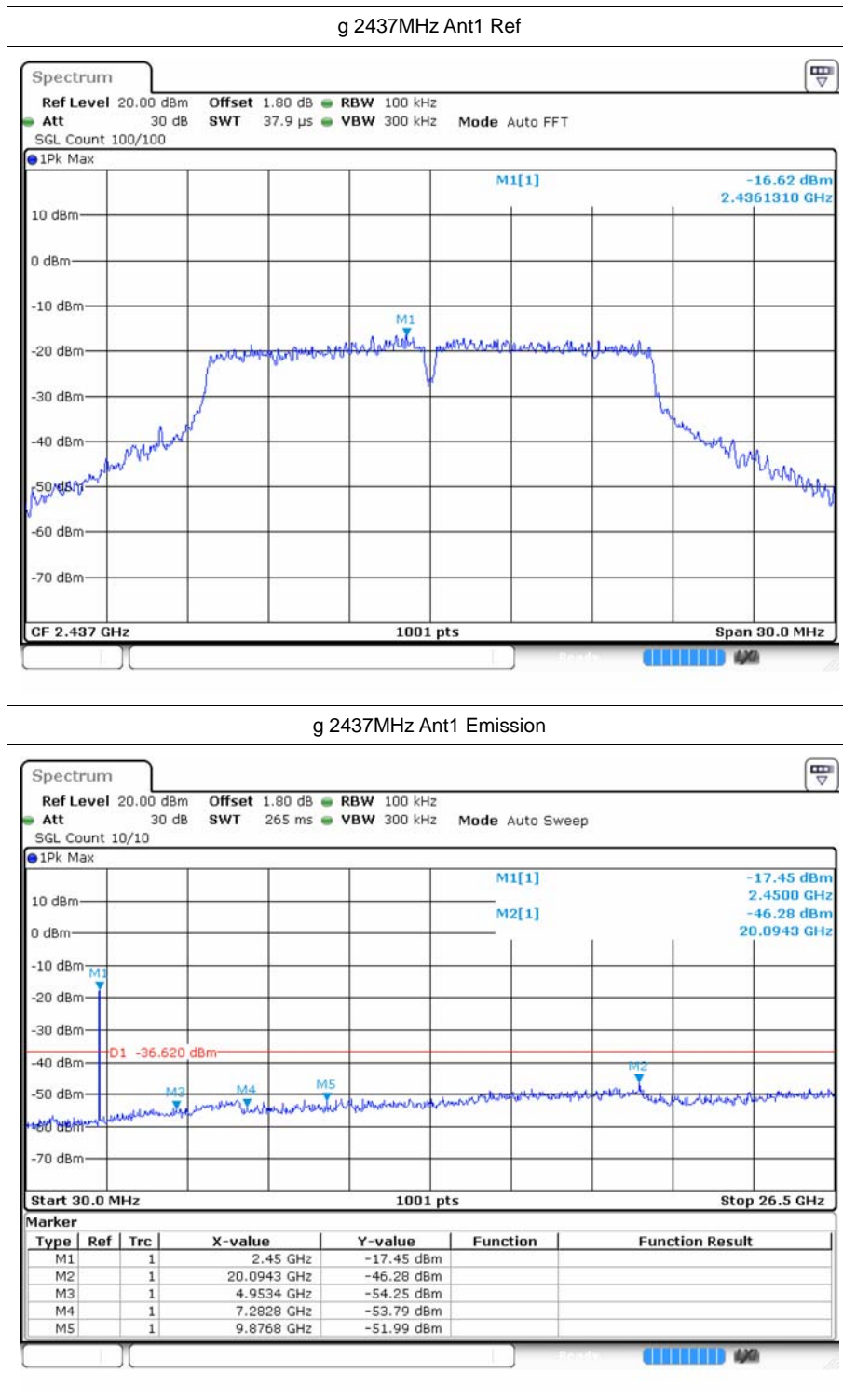
## 6.2 Test Graphs

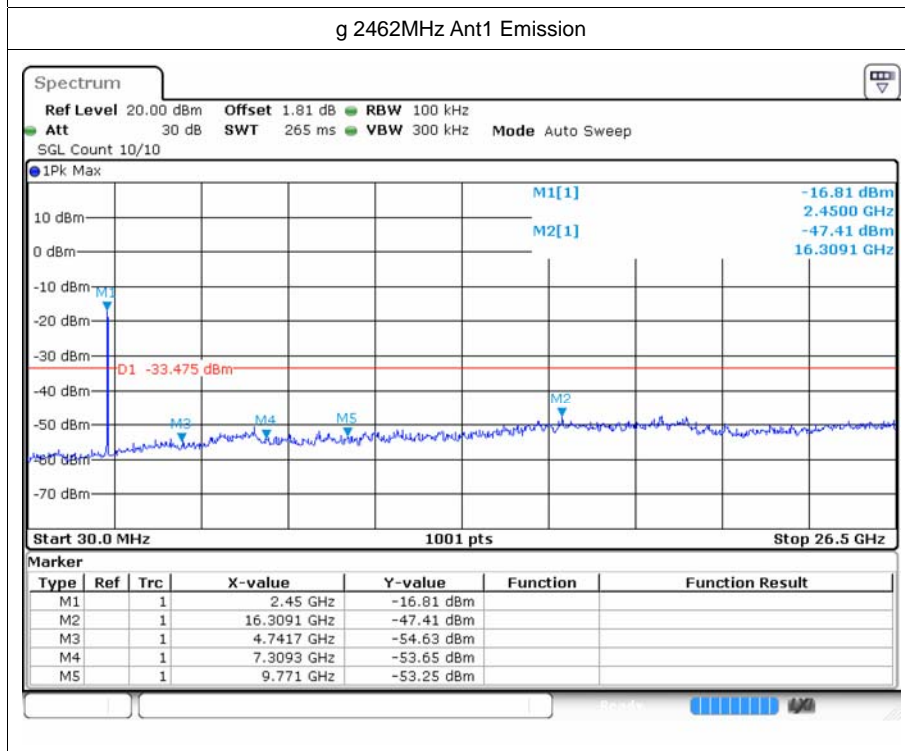
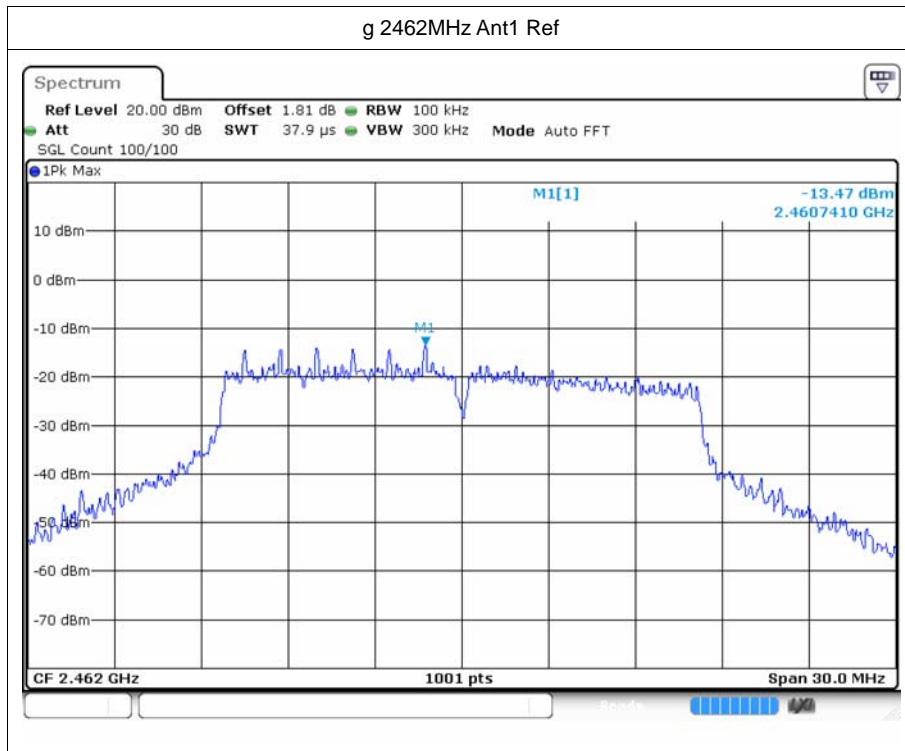




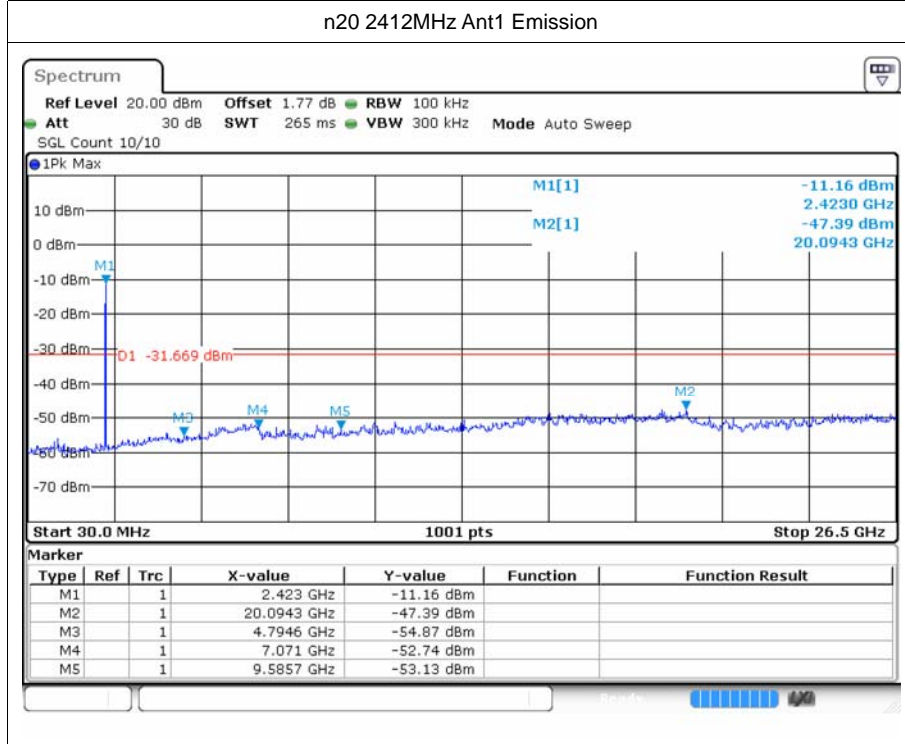
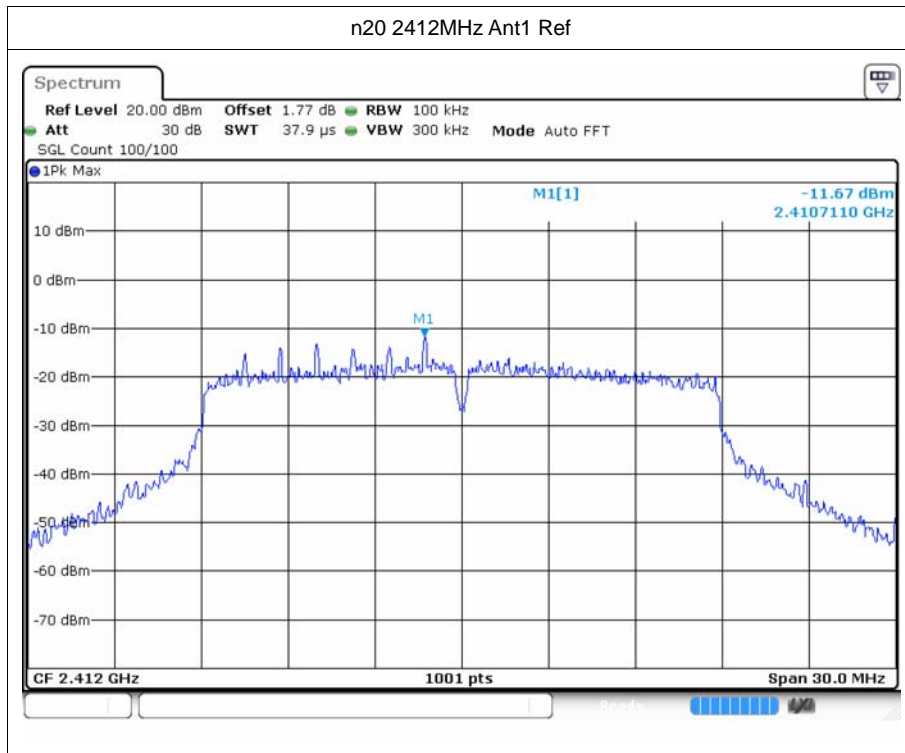


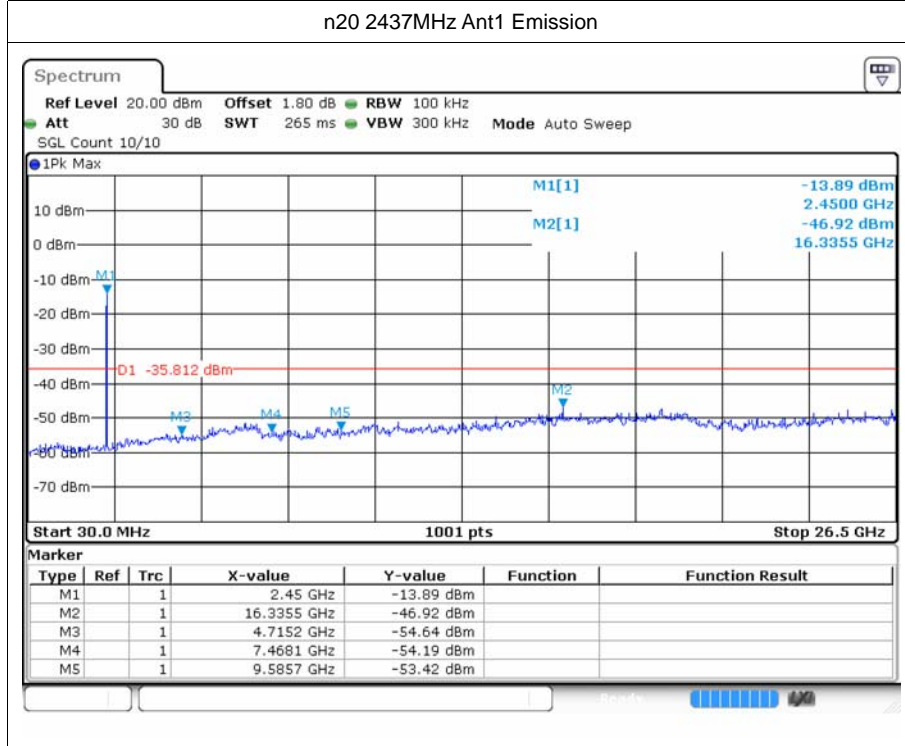
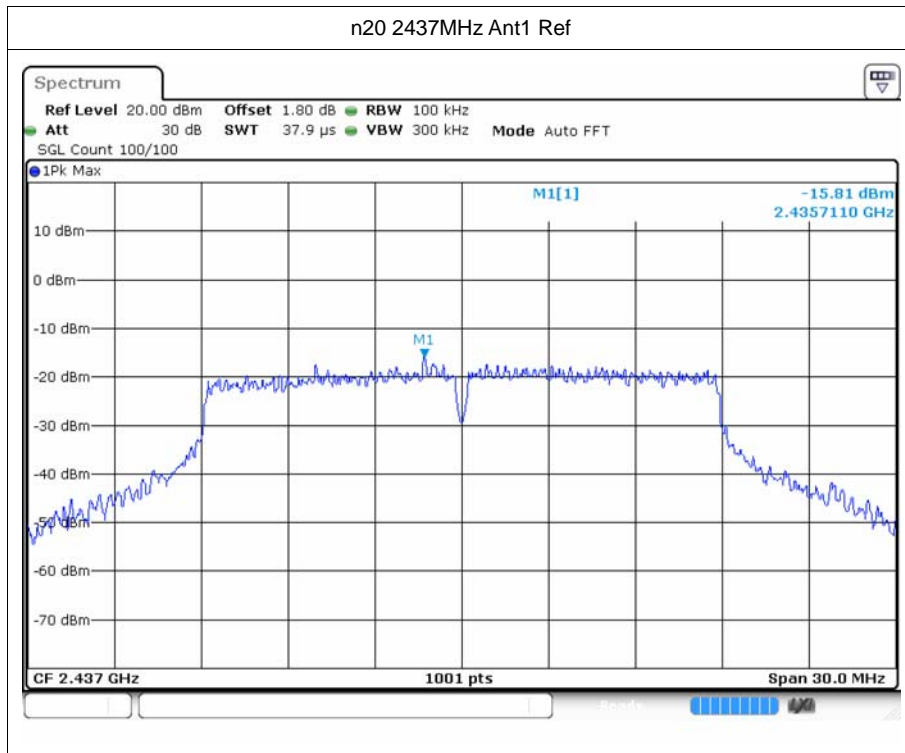


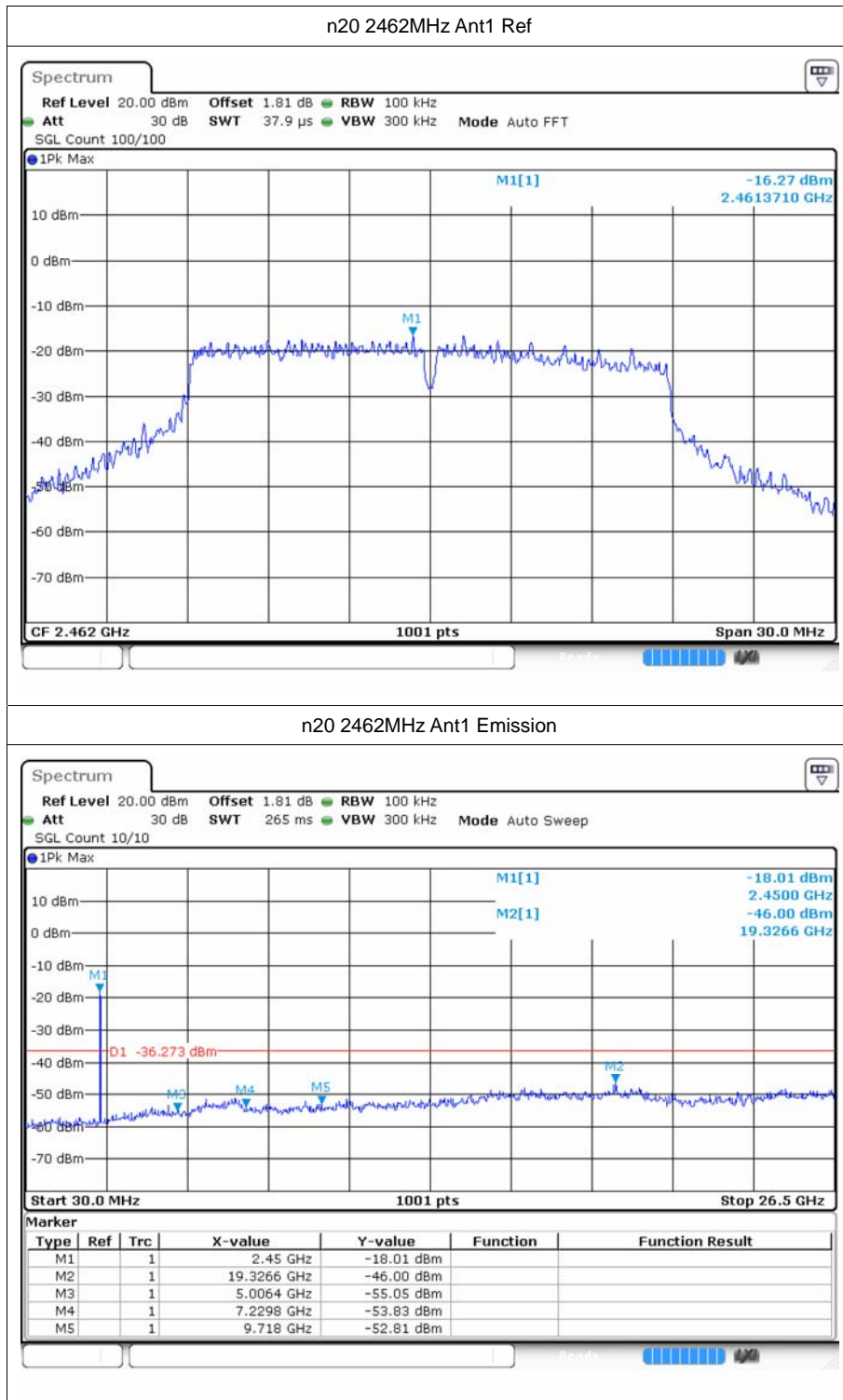


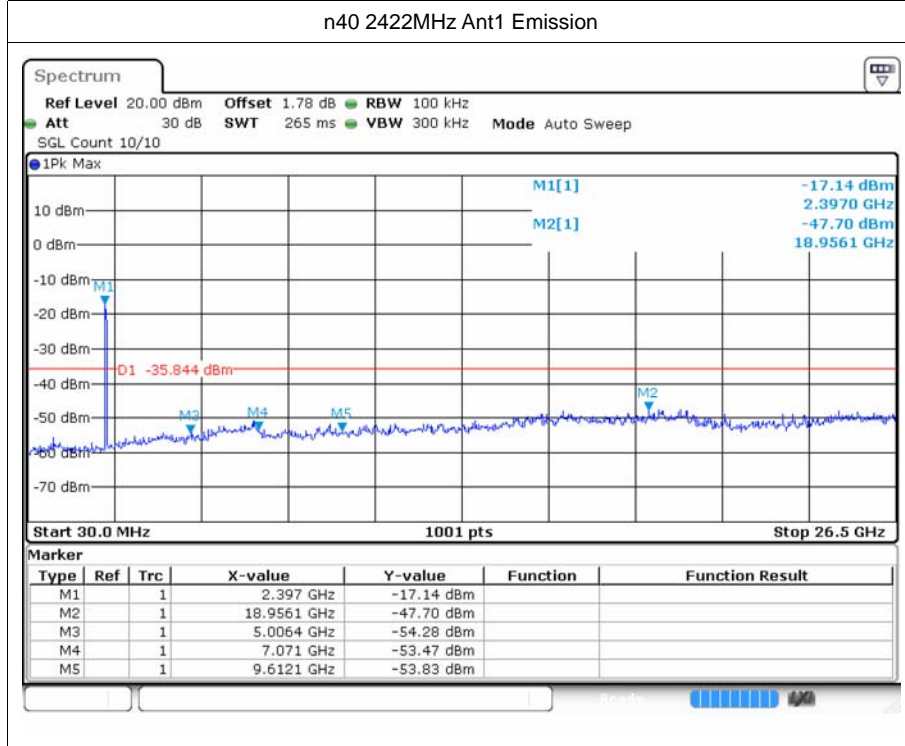
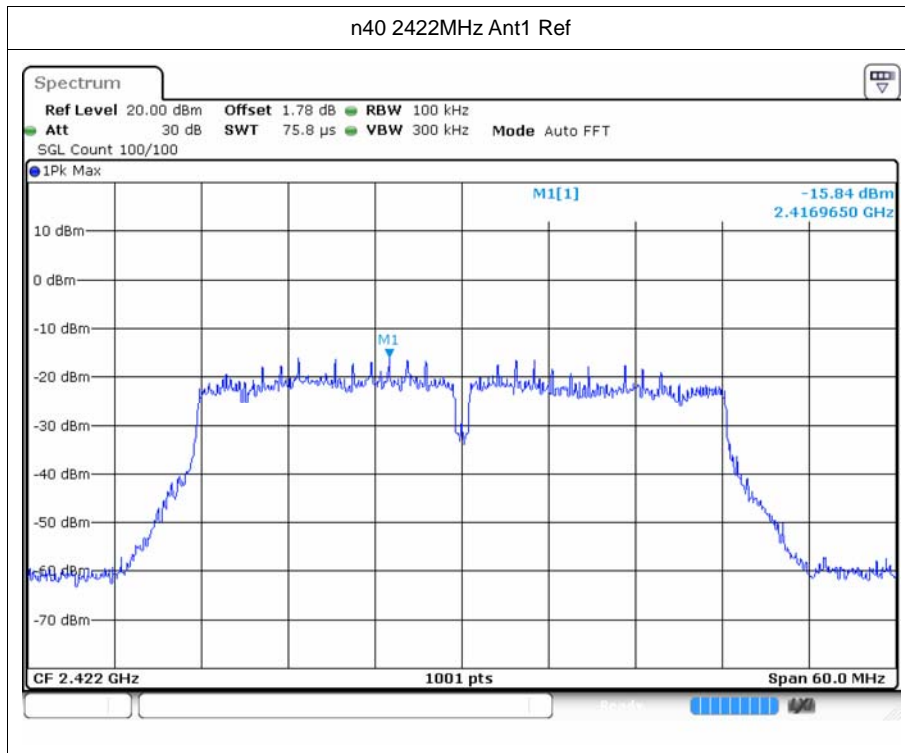


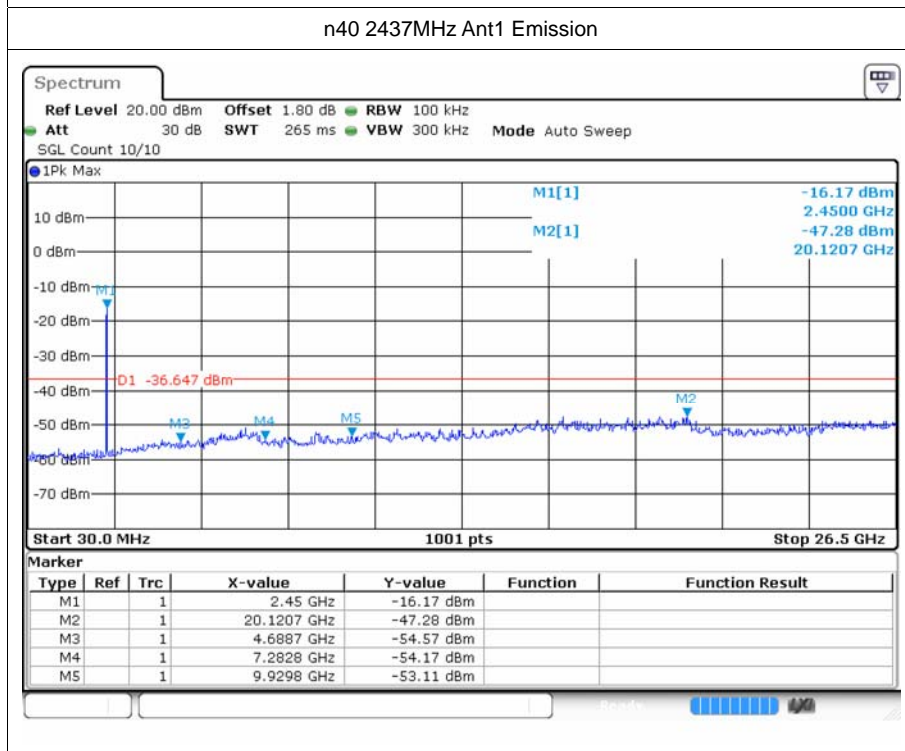
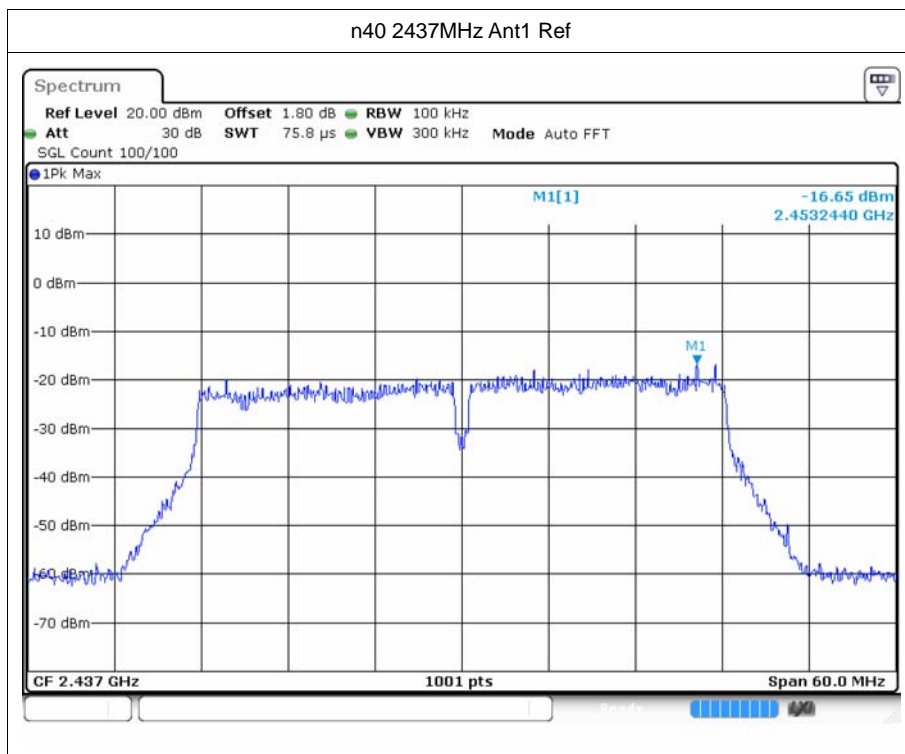


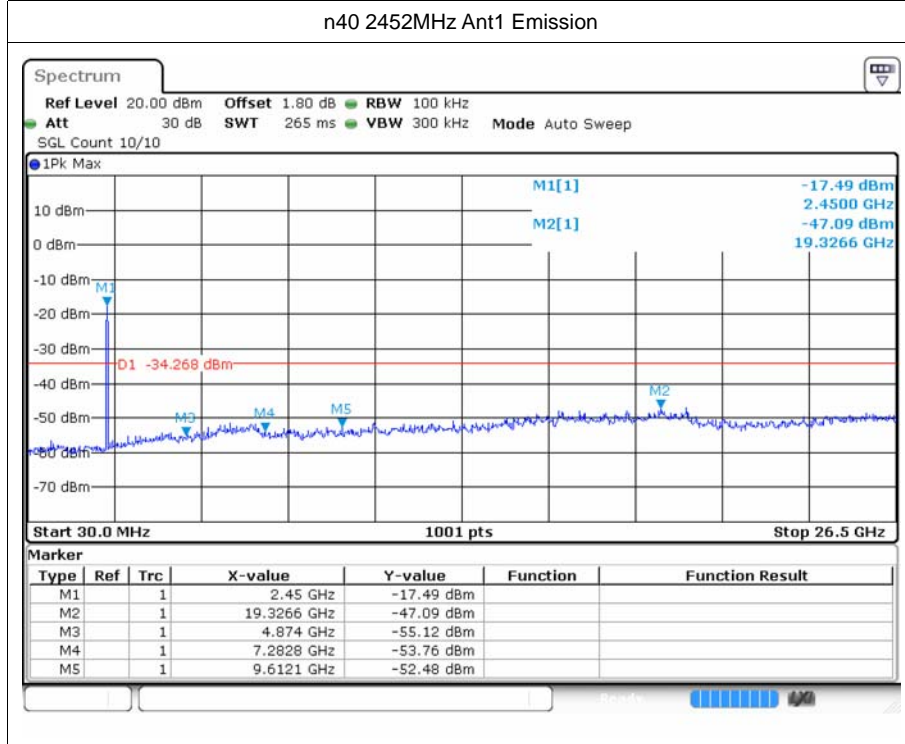
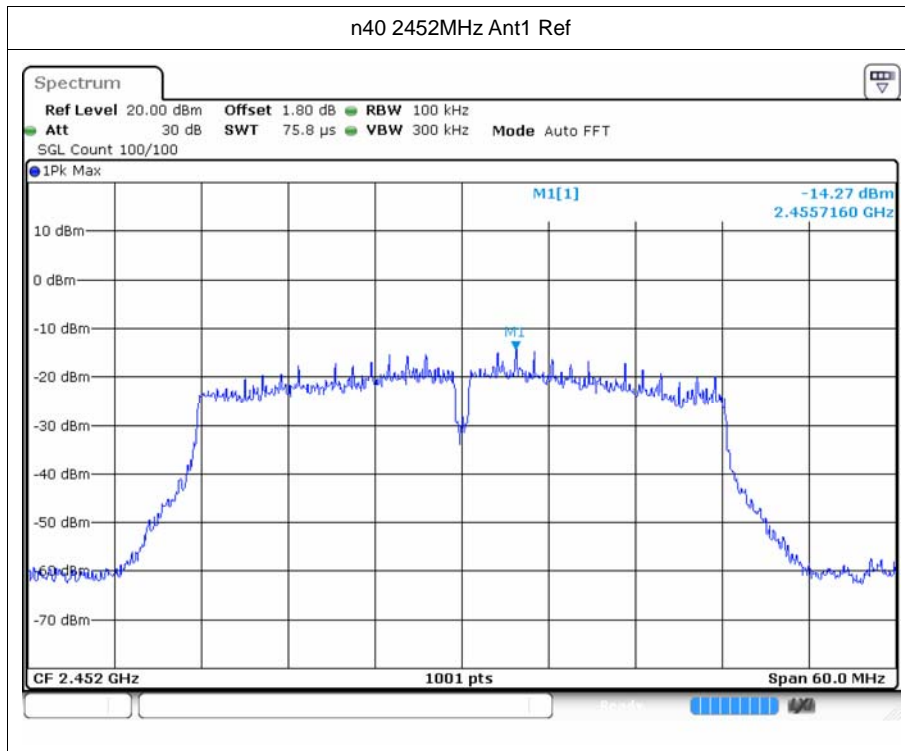














## 7 Restrict Band

### 7.1 Test Result

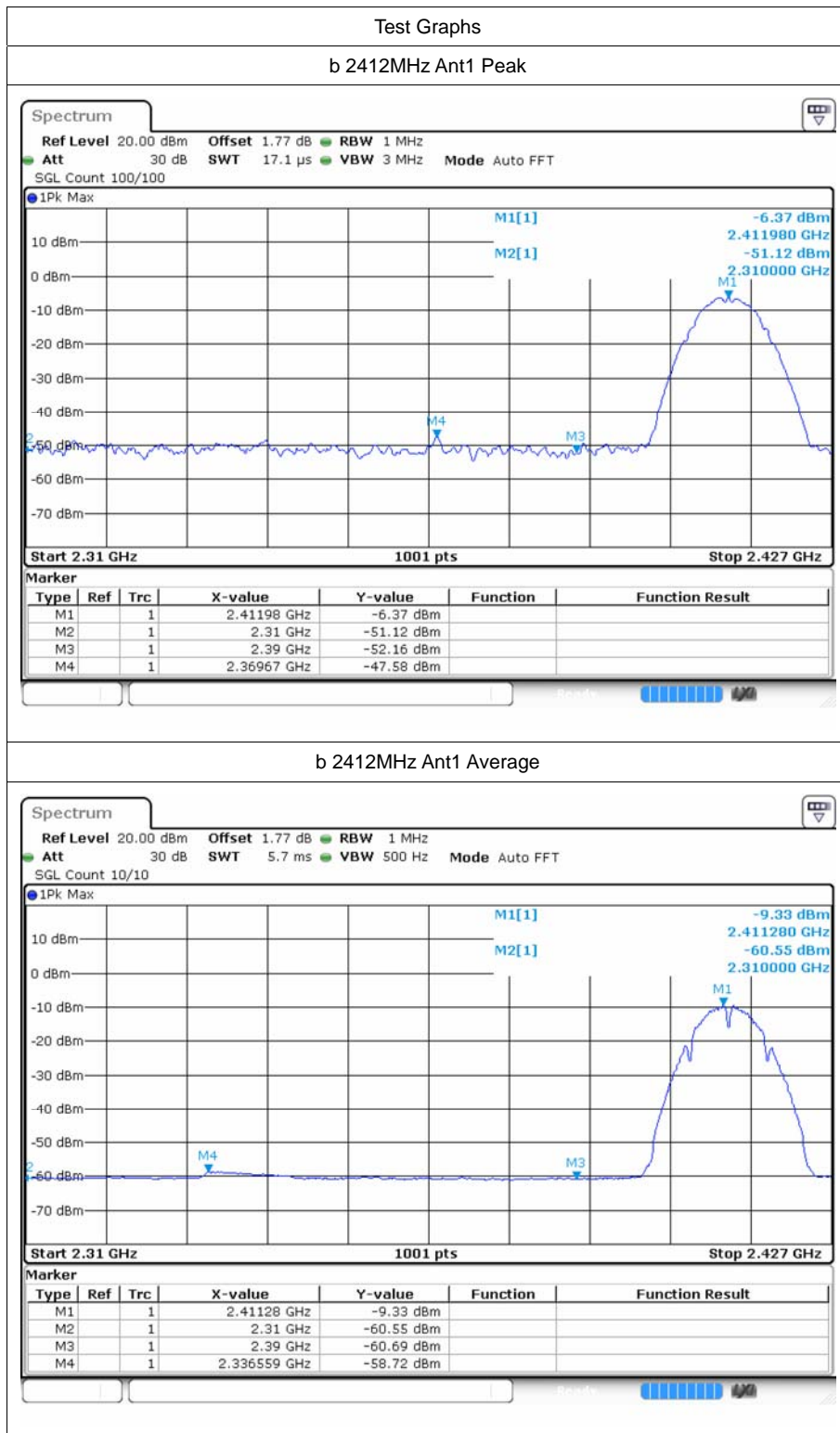
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-51.11	2	46.15	Peak	74	Pass
b	2412	Ant1	2310	-60.54	2	36.72	Average	54	Pass
b	2412	Ant1	2369.67	-47.58	2	49.68	Peak	74	Pass
b	2412	Ant1	2336.559	-58.71	2	38.55	Average	54	Pass
b	2412	Ant1	2390	-52.15	2	45.11	Peak	74	Pass
b	2412	Ant1	2390	-60.69	2	36.57	Average	54	Pass
b	2462	Ant1	2483.5	-51.12	2	46.14	Peak	74	46.14
b	2462	Ant1	2483.5	-60.16	2	37.1	Average	54	Pass
b	2462	Ant1	2485.478	-48.69	2	48.57	Peak	74	Pass
b	2462	Ant1	2483.941	-60.12	2	37.14	Average	54	Pass
b	2462	Ant1	2500	-49.63	2	47.63	Peak	74	Pass
b	2462	Ant1	2500	-60.37	2	36.89	Average	54	Pass
g	2412	Ant1	2310	-52.95	2	44.31	Peak	74	Pass
g	2412	Ant1	2310	-59.83	2	37.43	Average	54	Pass
g	2412	Ant1	2339.601	-48.43	2	48.83	Peak	74	Pass
g	2412	Ant1	2337.729	-57.27	2	39.99	Average	54	Pass
g	2412	Ant1	2390	-48.8	2	45.11	Peak	74	Pass
g	2412	Ant1	2390	-59.47	2	37.79	Average	54	Pass
g	2462	Ant1	2483.5	-51.38	2	45.88	Peak	74	Pass
g	2462	Ant1	2483.5	-59.01	2	38.25	Average	54	Pass
g	2462	Ant1	2485.478	-48.25	2	49.01	Peak	74	Pass
g	2462	Ant1	2487.704	-58.76	2	38.5	Average	54	Pass
g	2462	Ant1	2500	-51.1	2	47.63	Peak	74	Pass
g	2462	Ant1	2500	-59.43	2	37.83	Average	54	Pass
n20	2412	Ant1	2310	-50.6	2	46.66	Peak	74	Pass
n20	2412	Ant1	2310	-60.42	2	36.84	Average	54	Pass
n20	2412	Ant1	2337.495	-48.61	2	48.65	Peak	74	Pass
n20	2412	Ant1	2337.612	-57.42	2	39.84	Average	54	Pass
n20	2412	Ant1	2390	-50.23	2	47.03	Peak	74	Pass
n20	2412	Ant1	2390	-60.25	2	37.01	Average	54	Pass
n20	2462	Ant1	2483.5	-49.88	2	47.38	Peak	74	Pass
n20	2462	Ant1	2483.5	-59.27	2	37.99	Average	54	Pass
n20	2462	Ant1	2483.888	-49.37	2	47.89	Peak	74	Pass
n20	2462	Ant1	2487.121	-58.7	2	38.56	Average	54	Pass

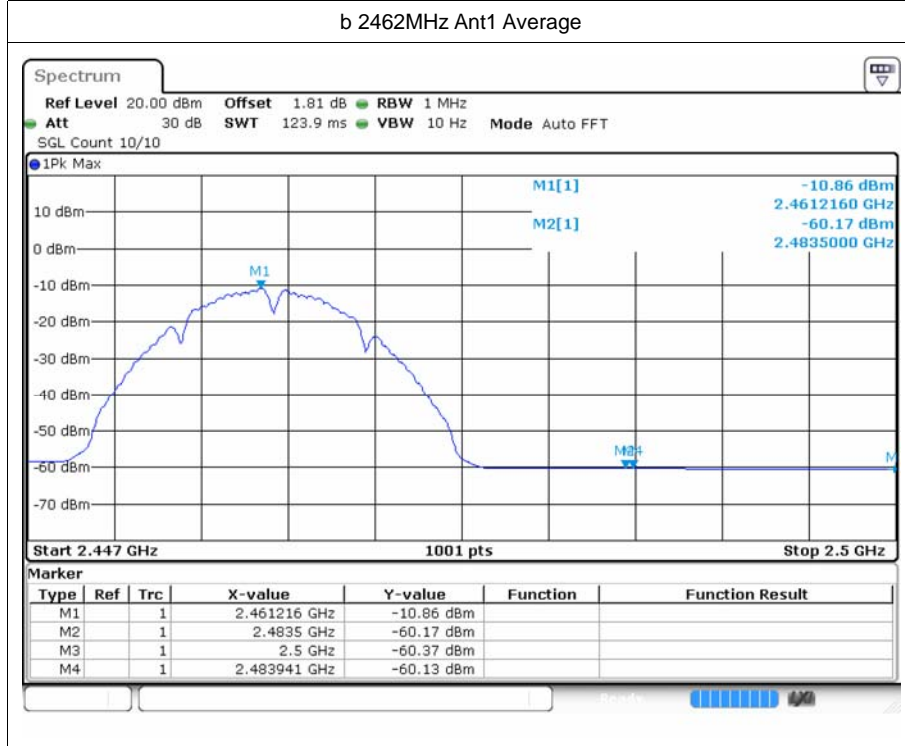
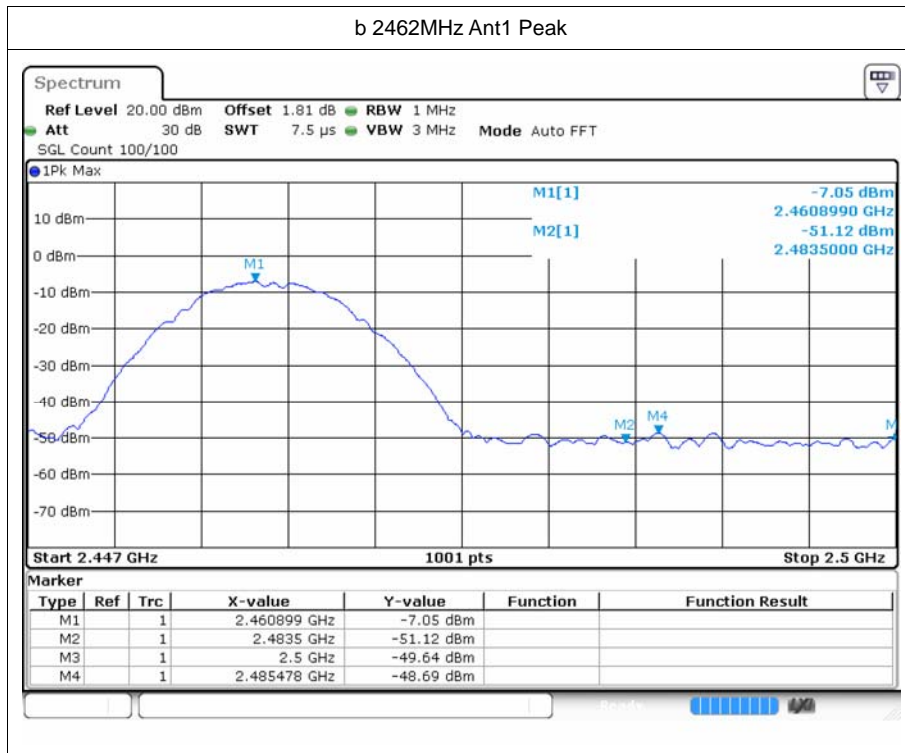


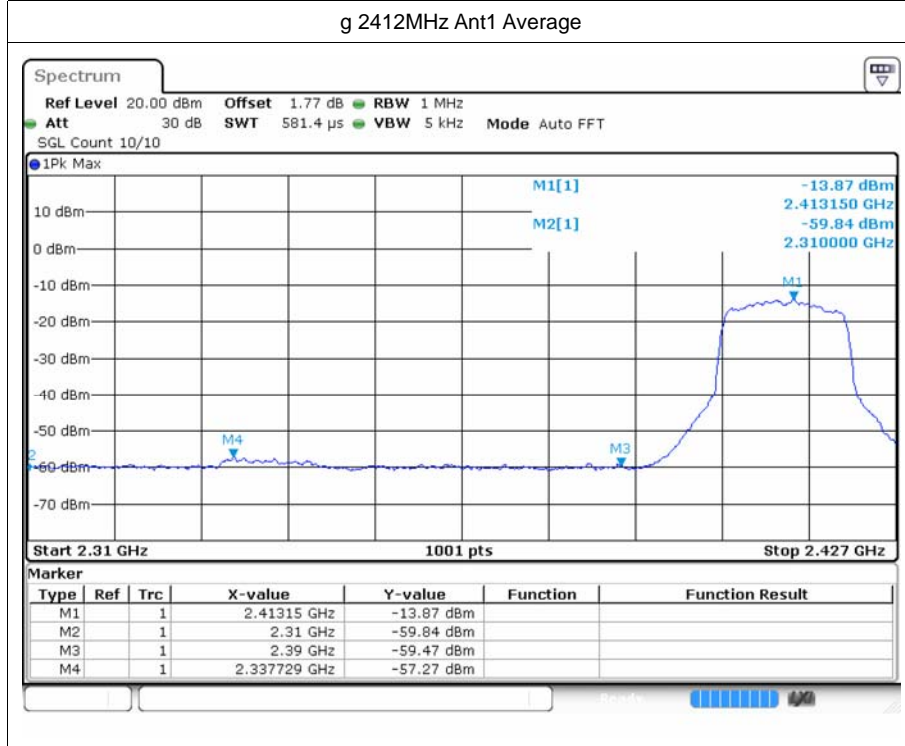
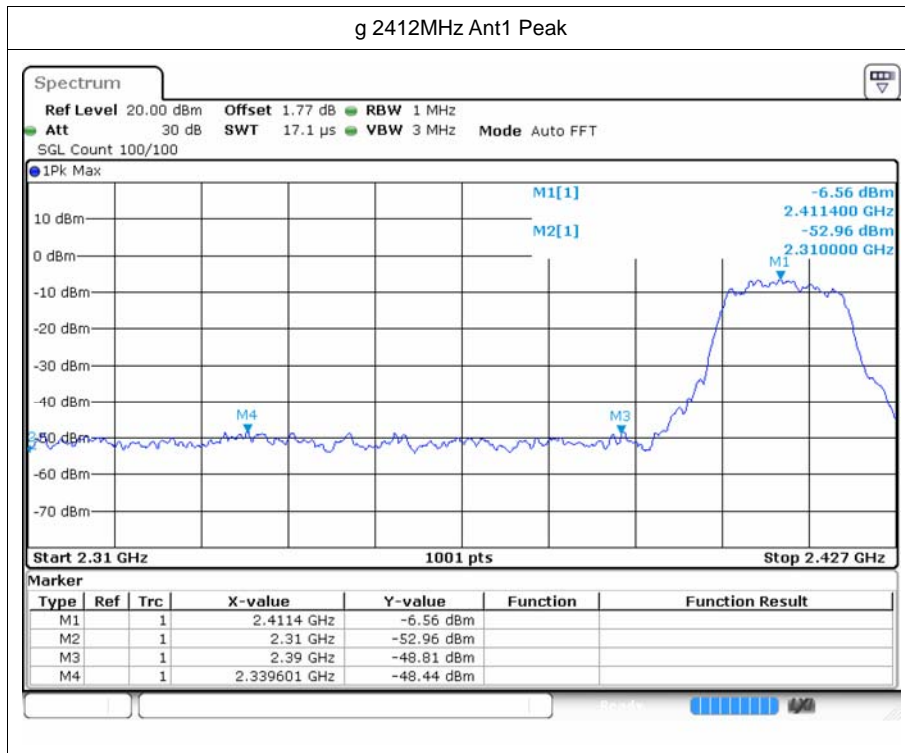
n20	2462	Ant1	2500	-51.29	2	45.97	Peak	74	Pass
n20	2462	Ant1	2500	-59.12	2	38.14	Average	54	Pass
n40	2422	Ant1	2310	-49.63	2	47.63	Peak	74	Pass
n40	2422	Ant1	2310	-59.52	2	37.74	Average	54	Pass
n40	2422	Ant1	2366.09	-47.94	2	49.32	Peak	74	Pass
n40	2422	Ant1	2339.536	-57.55	2	39.71	Average	54	Pass
n40	2422	Ant1	2390	-51.84	2	45.42	Peak	74	Pass
n40	2422	Ant1	2390	-59.66	2	37.6	Average	54	Pass
n40	2452	Ant1	2483.5	-53.53	2	43.73	Peak	74	Pass
n40	2452	Ant1	2483.5	-59.4	2	37.86	Average	54	Pass
n40	2452	Ant1	2495.944	-48.87	2	48.39	Peak	74	Pass
n40	2452	Ant1	2497.66	-58.72	2	38.54	Average	54	Pass
n40	2452	Ant1	2500	-50.48	2	46.78	Peak	74	Pass
n40	2452	Ant1	2500	-59.53	2	37.73	Average	54	Pass

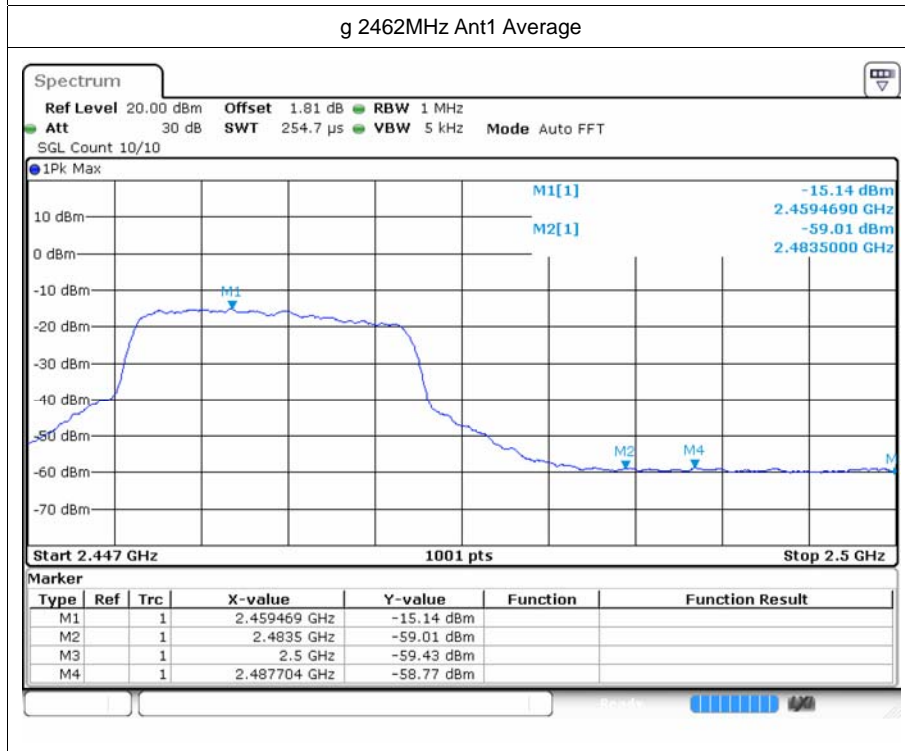
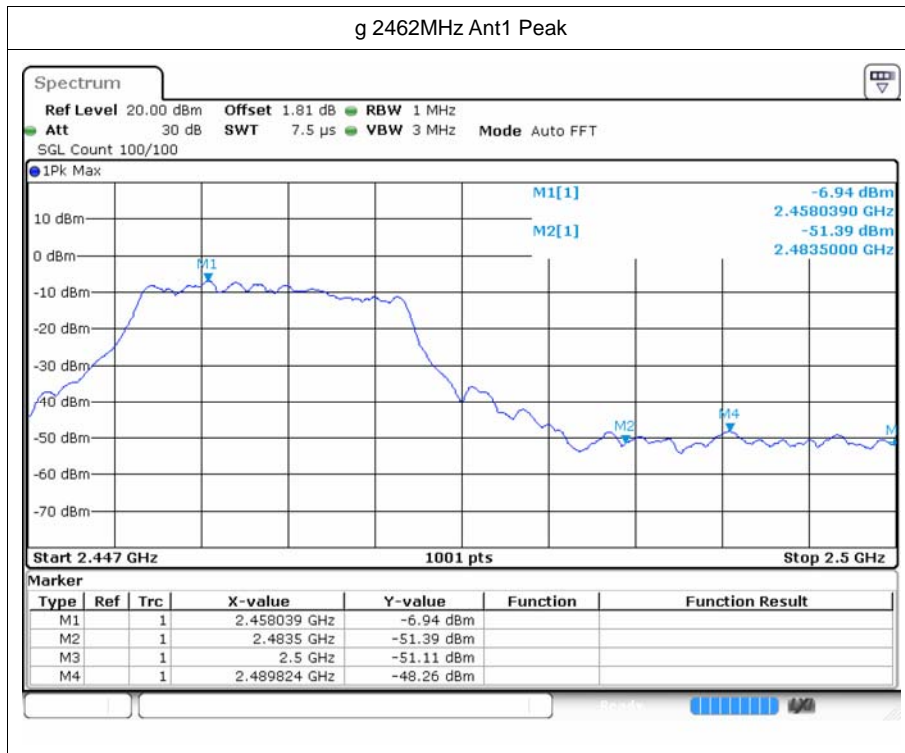


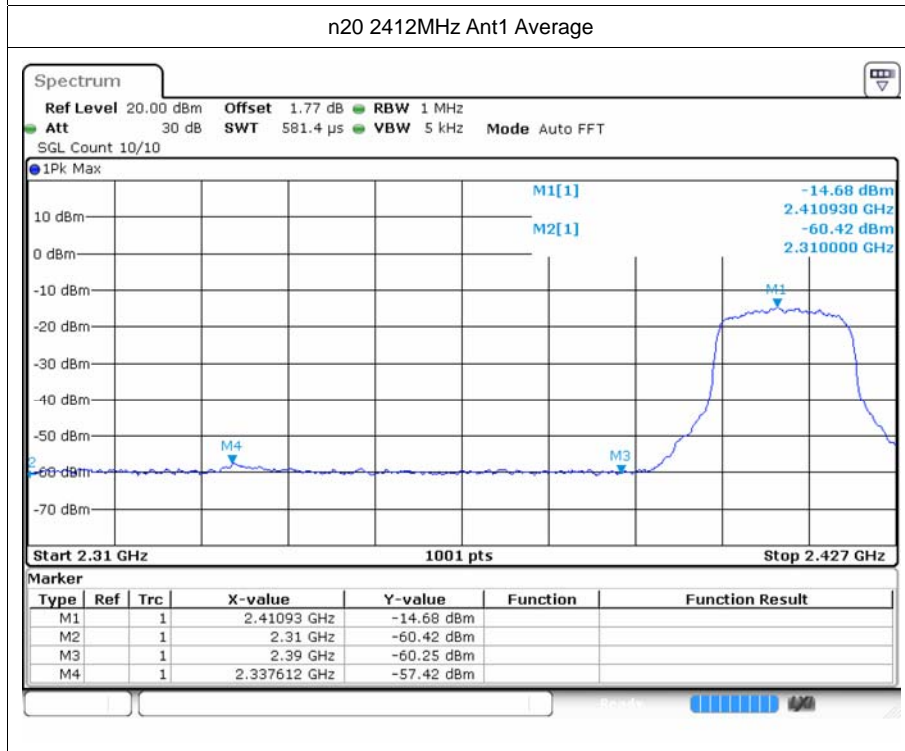
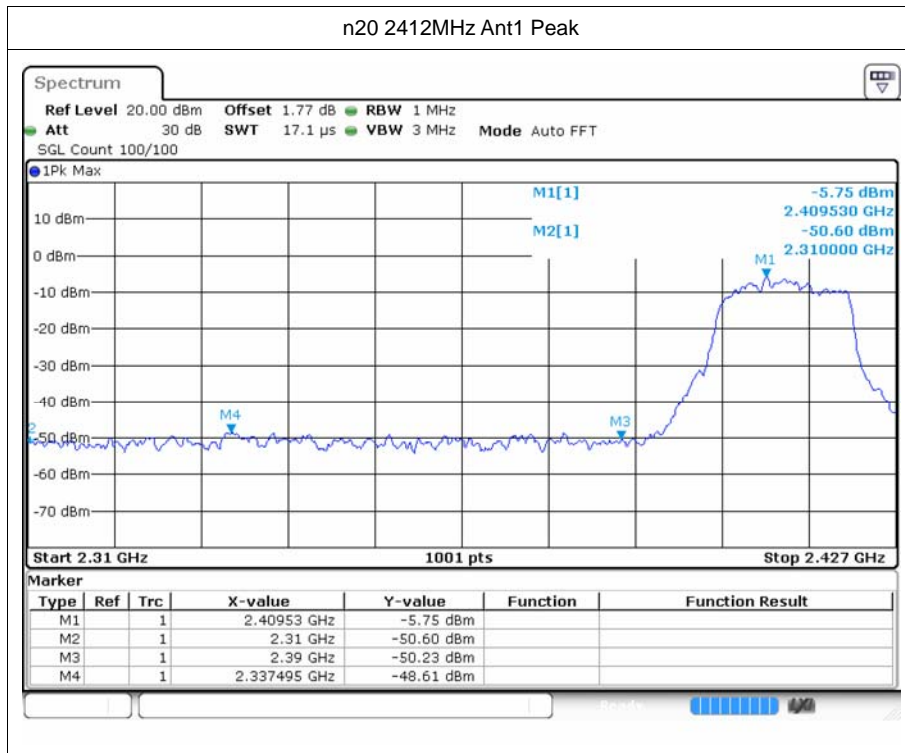
## 7.2 Test Graphs

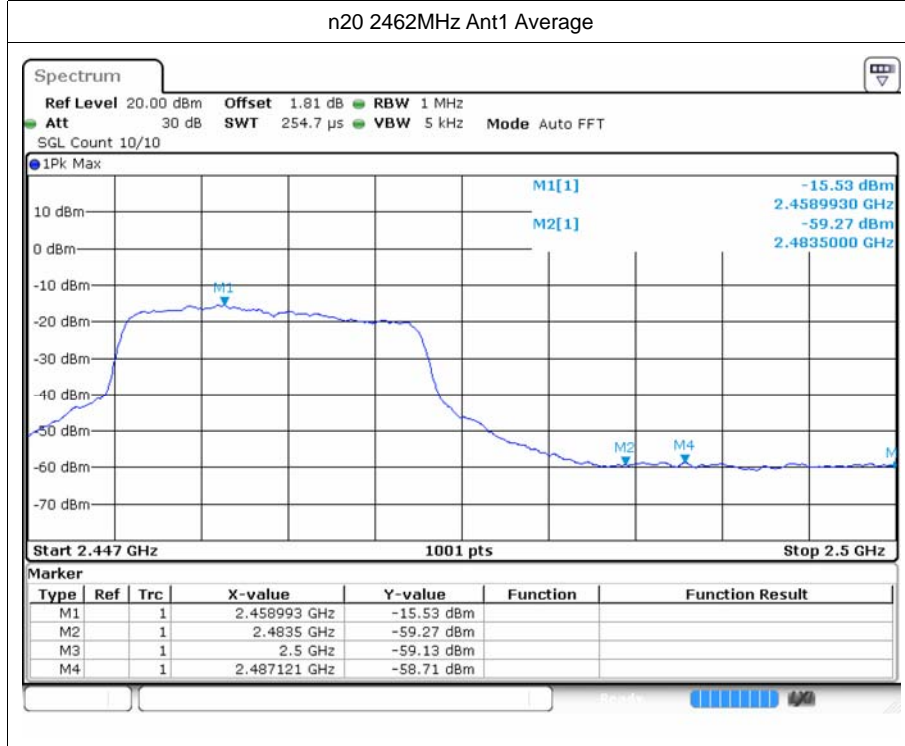
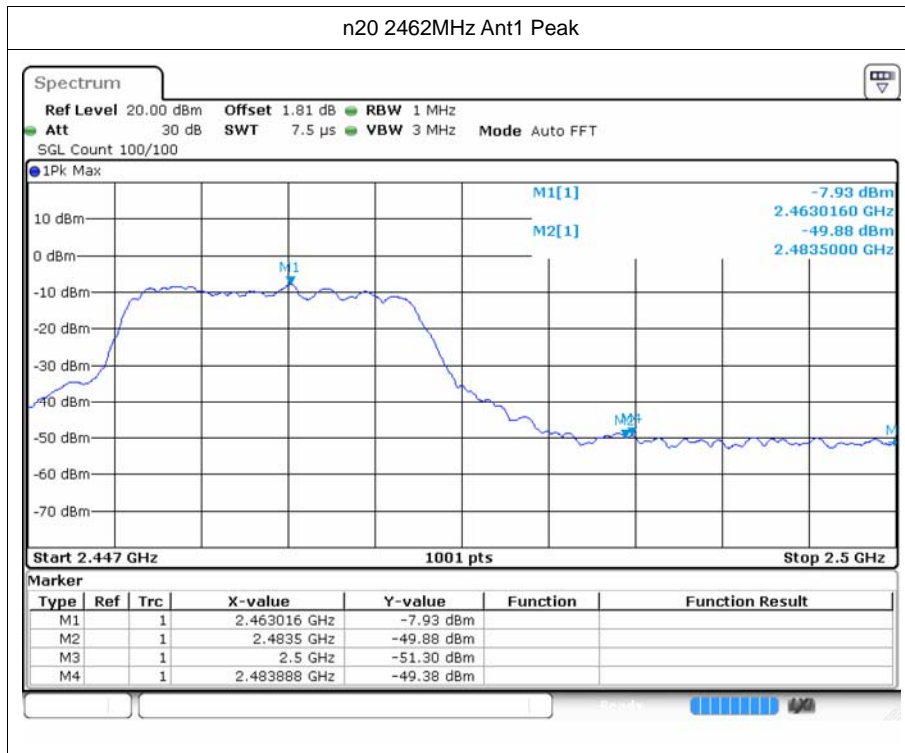


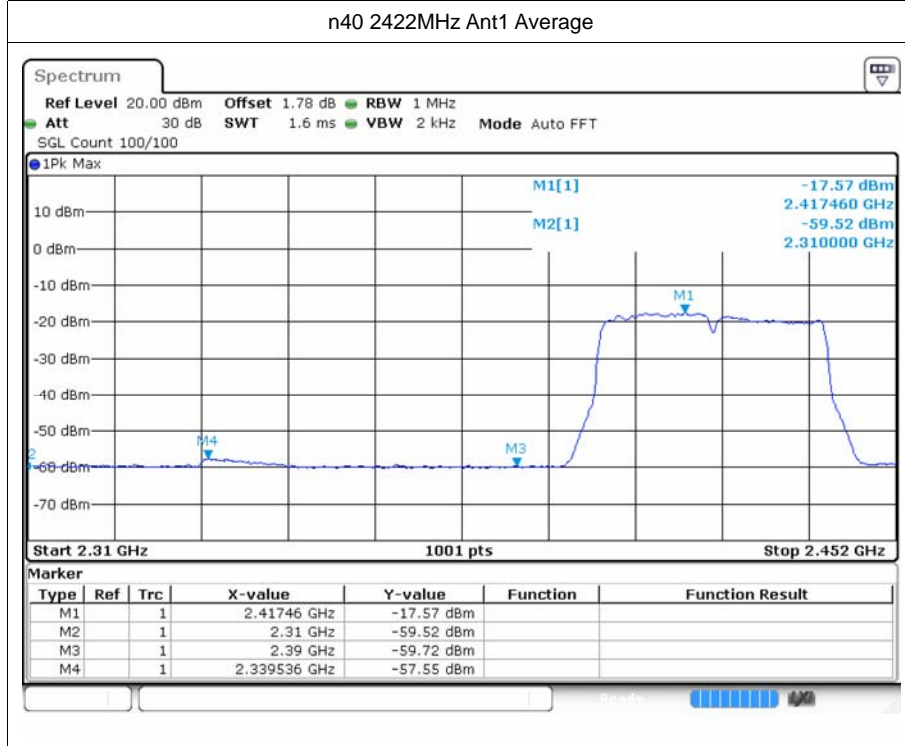
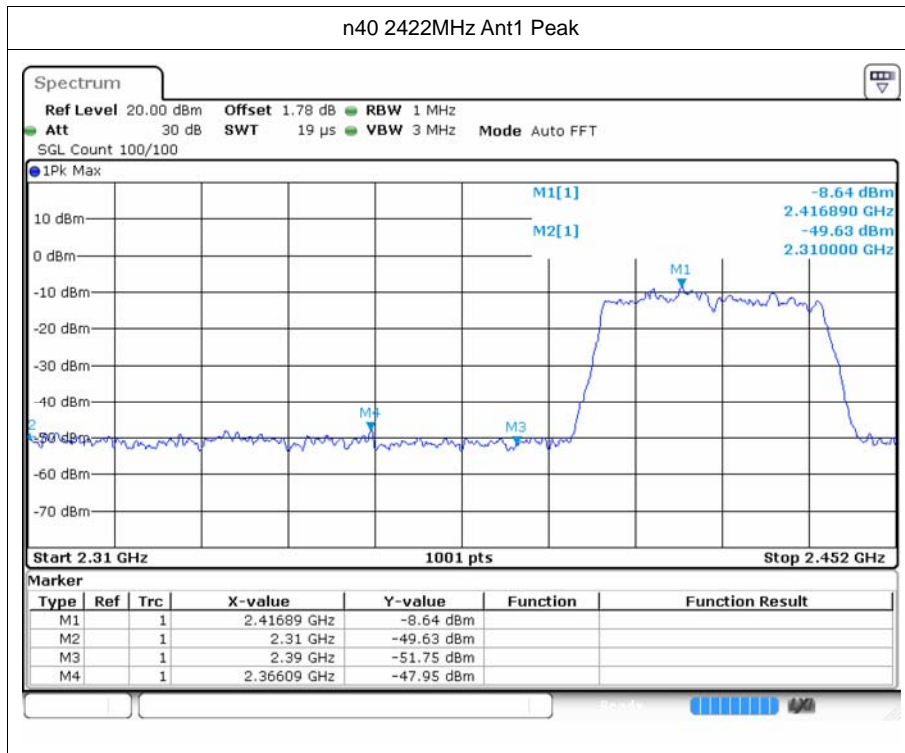


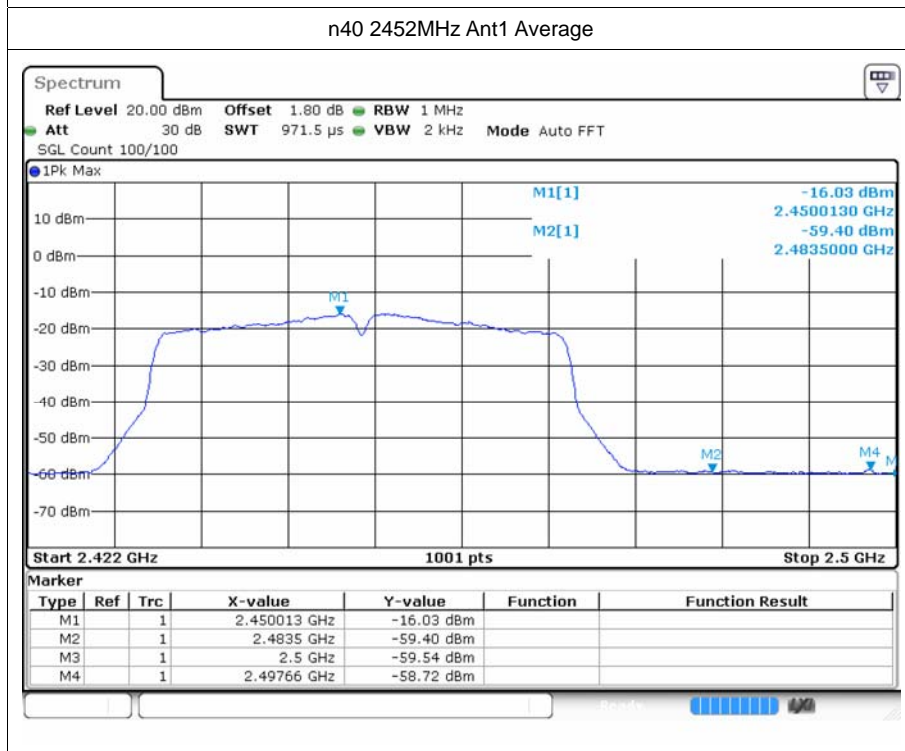
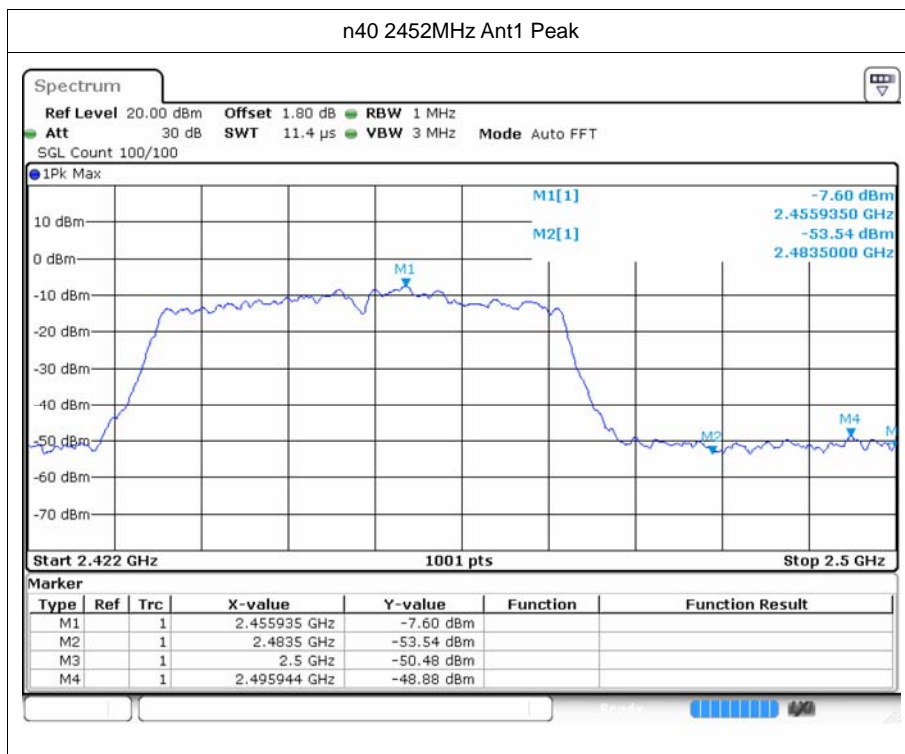












---The End---