



Appendix RF test data for WIFI2.4G (Conducted Measurement)

Product Name: Kid Visual Intercom

Trade Mark: N/A

Test Model: XS-D001

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Aalen.Ye
Supervised by:	Allen Wang



Contents

Page

COVER PAGE

1	Duty Cycle	3
1.1	Test Result	3
1.2	Test Graphs	4
2	Maximum Conducted Output Power	9
2.1	Test Result	9
3	-6dB Bandwidth	10
3.1	Test Result	10
3.2	Test Graphs	11
4	Maximum Power Spectral Density Level	16
4.1	Test Result	16
4.2	Test Graphs	17
5	Band Edge	22
5.1	Test Result	22
5.2	Test Graphs	23
6	Conducted RF Spurious Emission	29
6.1	Test Result	29
6.2	Test Graphs	30

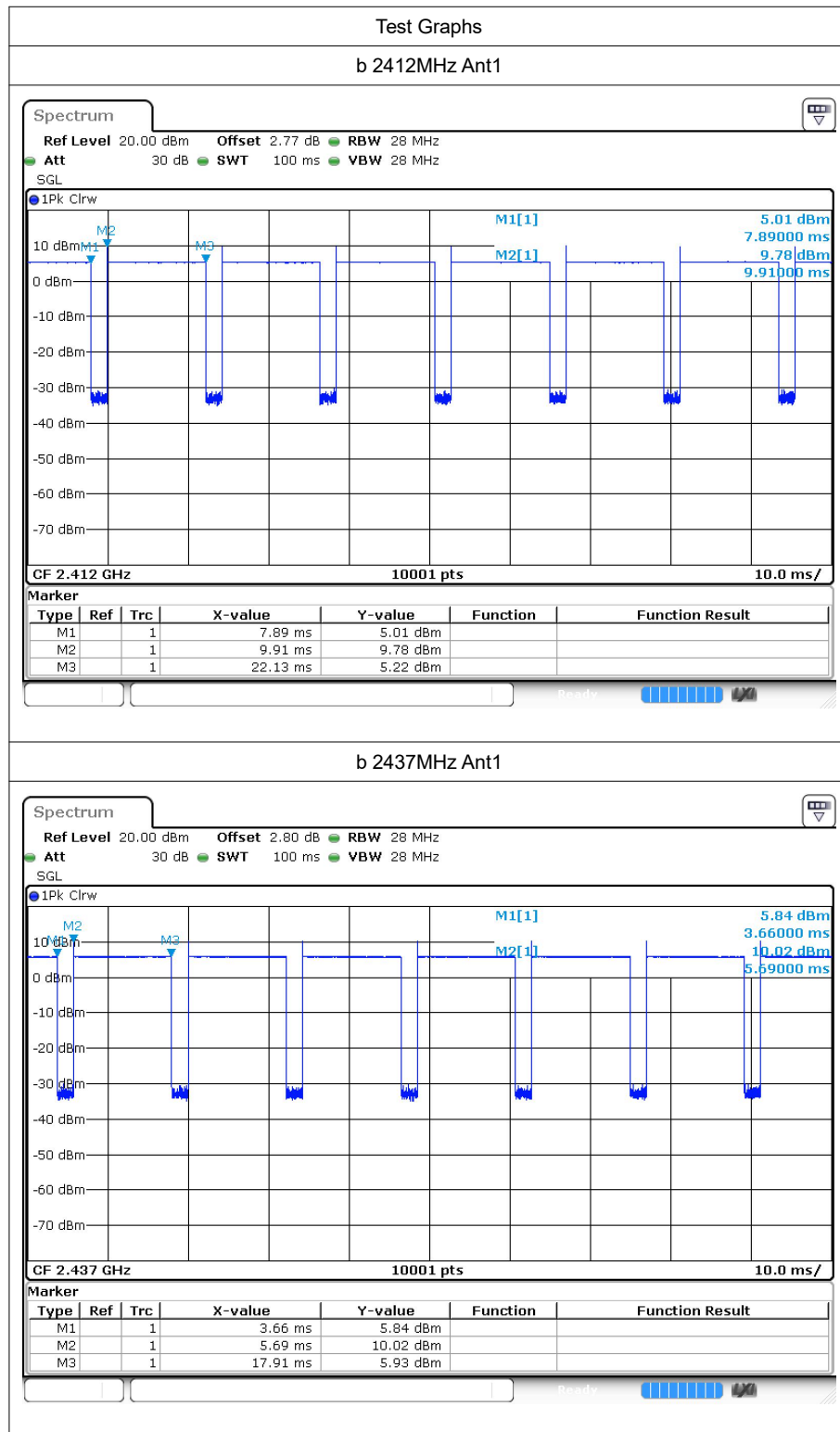


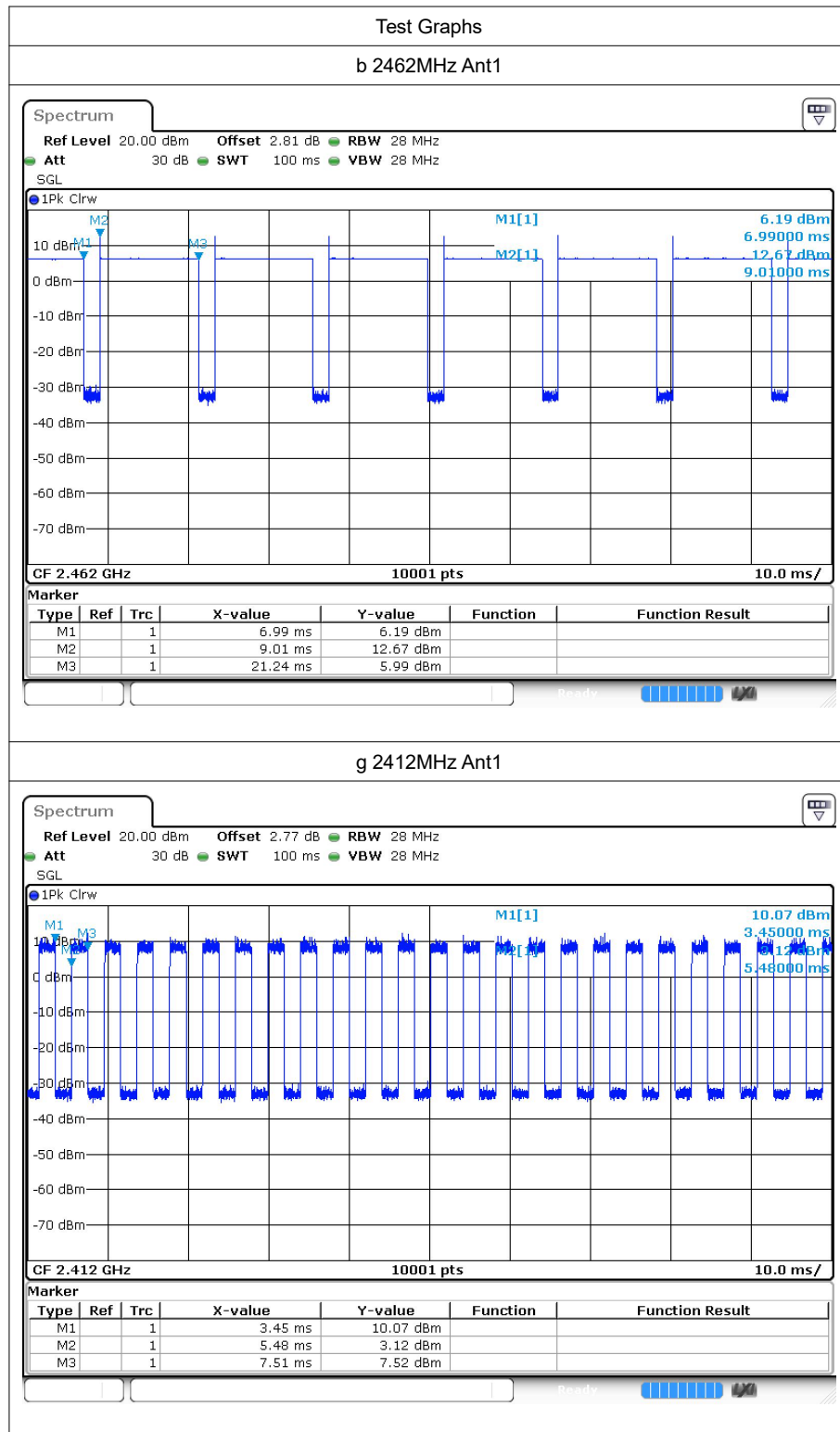
1 Duty Cycle

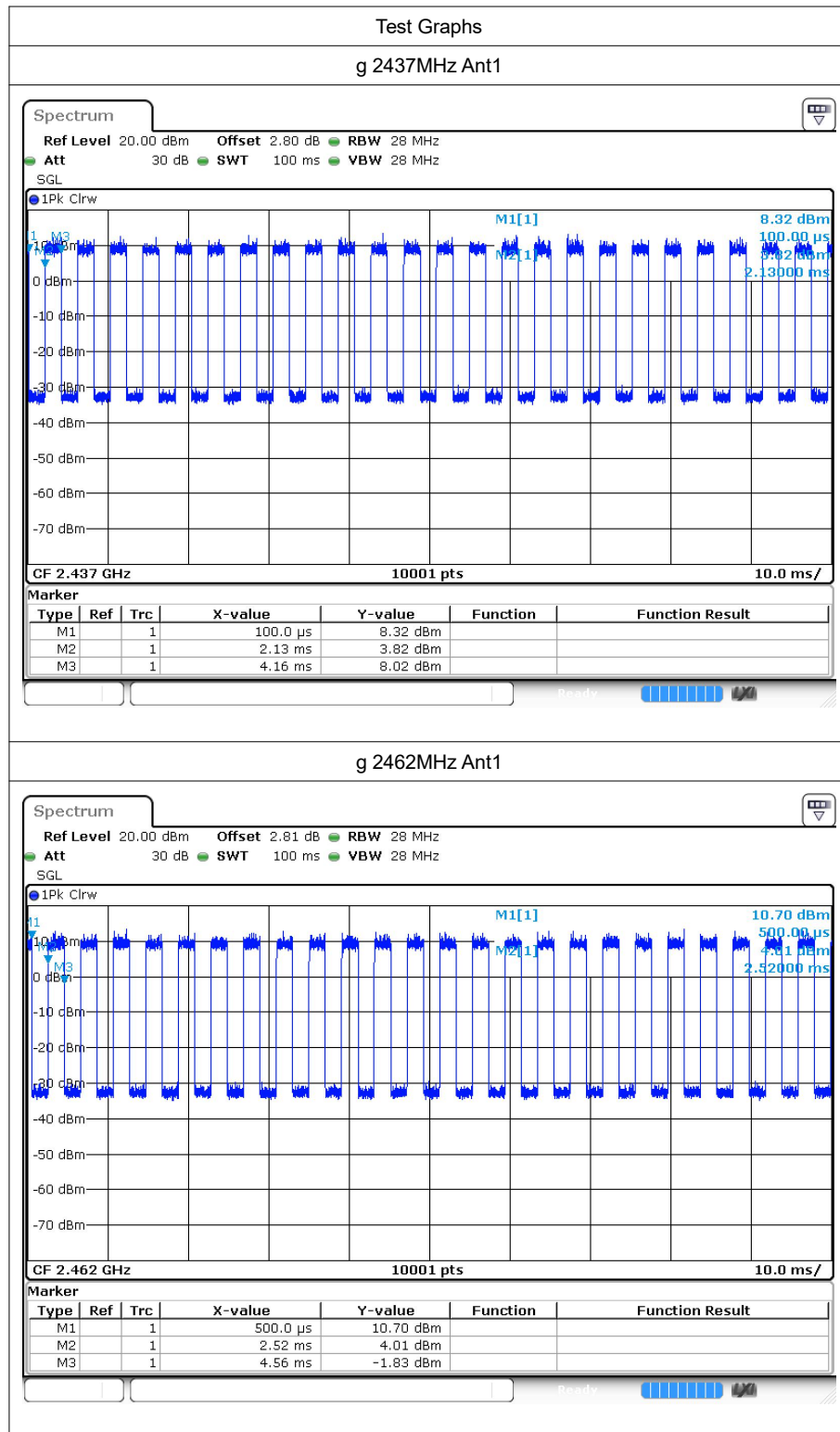
1.1 Test Result

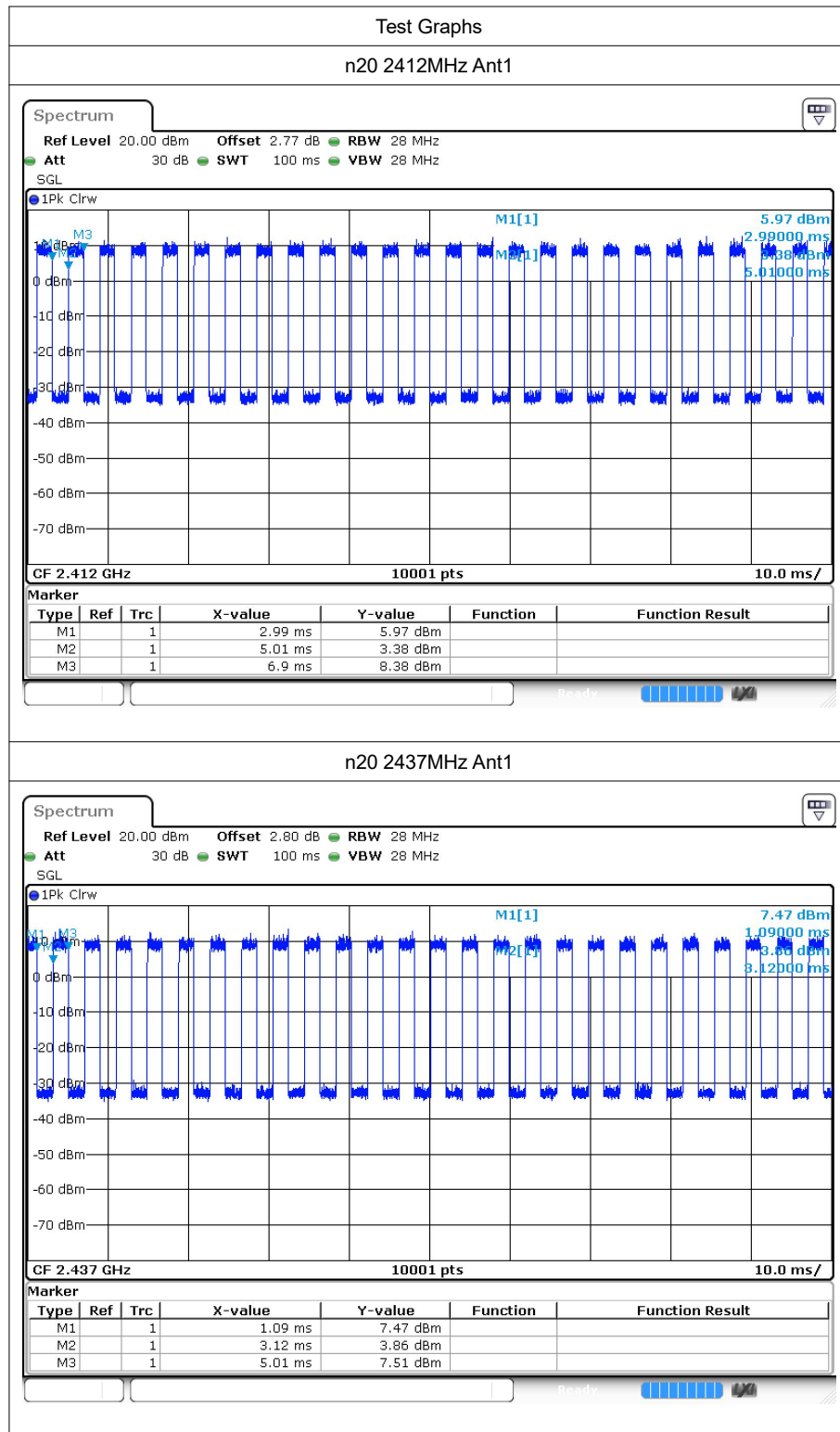
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	85.88	0.66	0.08
b	2437	Ant1	85.88	0.66	0.08
b	2462	Ant1	85.91	0.66	0.08
g	2412	Ant1	50.19	2.99	0.49
g	2437	Ant1	49.61	3.04	0.49
g	2462	Ant1	49.66	3.04	0.49
n20	2412	Ant1	48.54	3.14	0.53
n20	2437	Ant1	48.68	3.13	0.53
n20	2462	Ant1	48	3.19	0.53

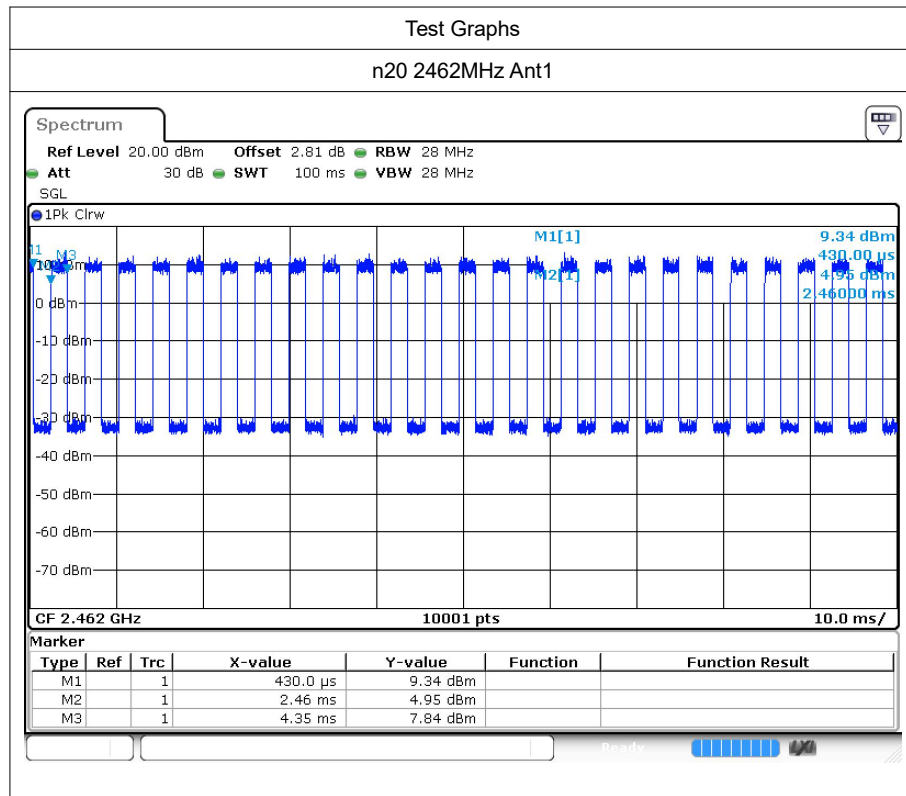
1.2 Test Graphs











2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	7.3	30	Pass
b	2437	Ant1	7.76	30	Pass
b	2462	Ant1	7.93	30	Pass
g	2412	Ant1	6.52	30	Pass
g	2437	Ant1	7.08	30	Pass
g	2462	Ant1	7.44	30	Pass
n20	2412	Ant1	6.75	30	Pass
n20	2437	Ant1	7.19	30	Pass
n20	2462	Ant1	7.55	30	Pass

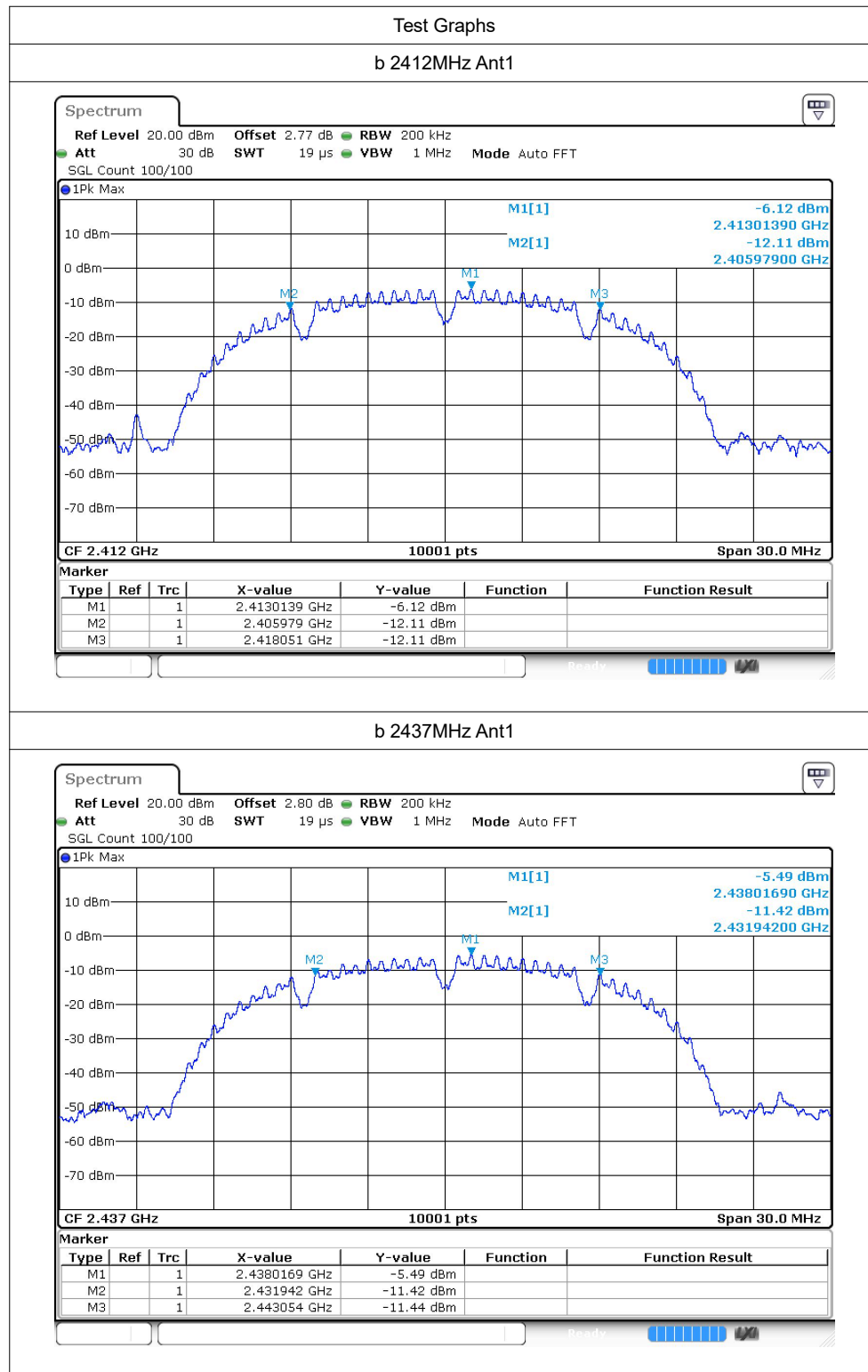


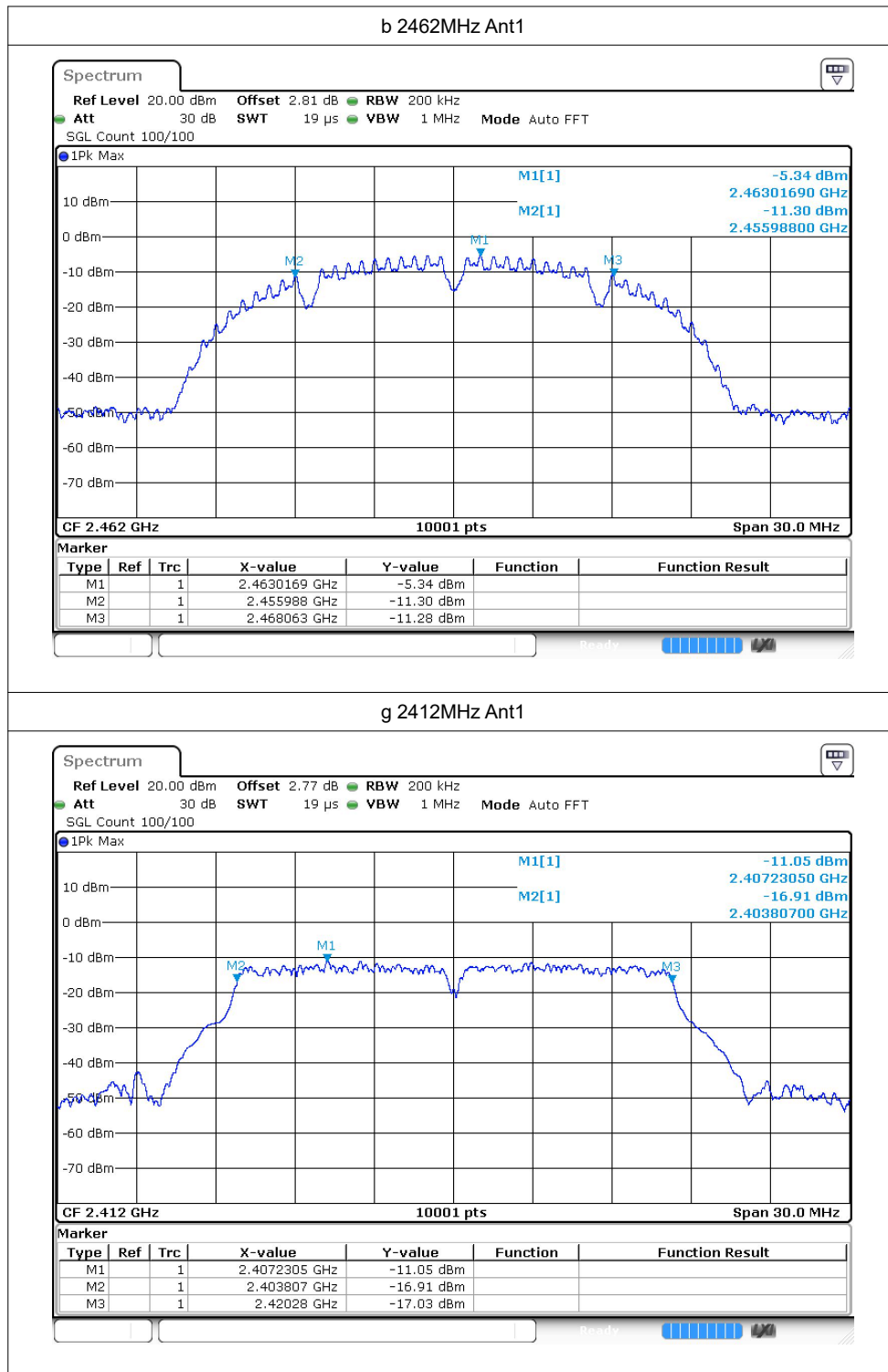
3 -6dB Bandwidth

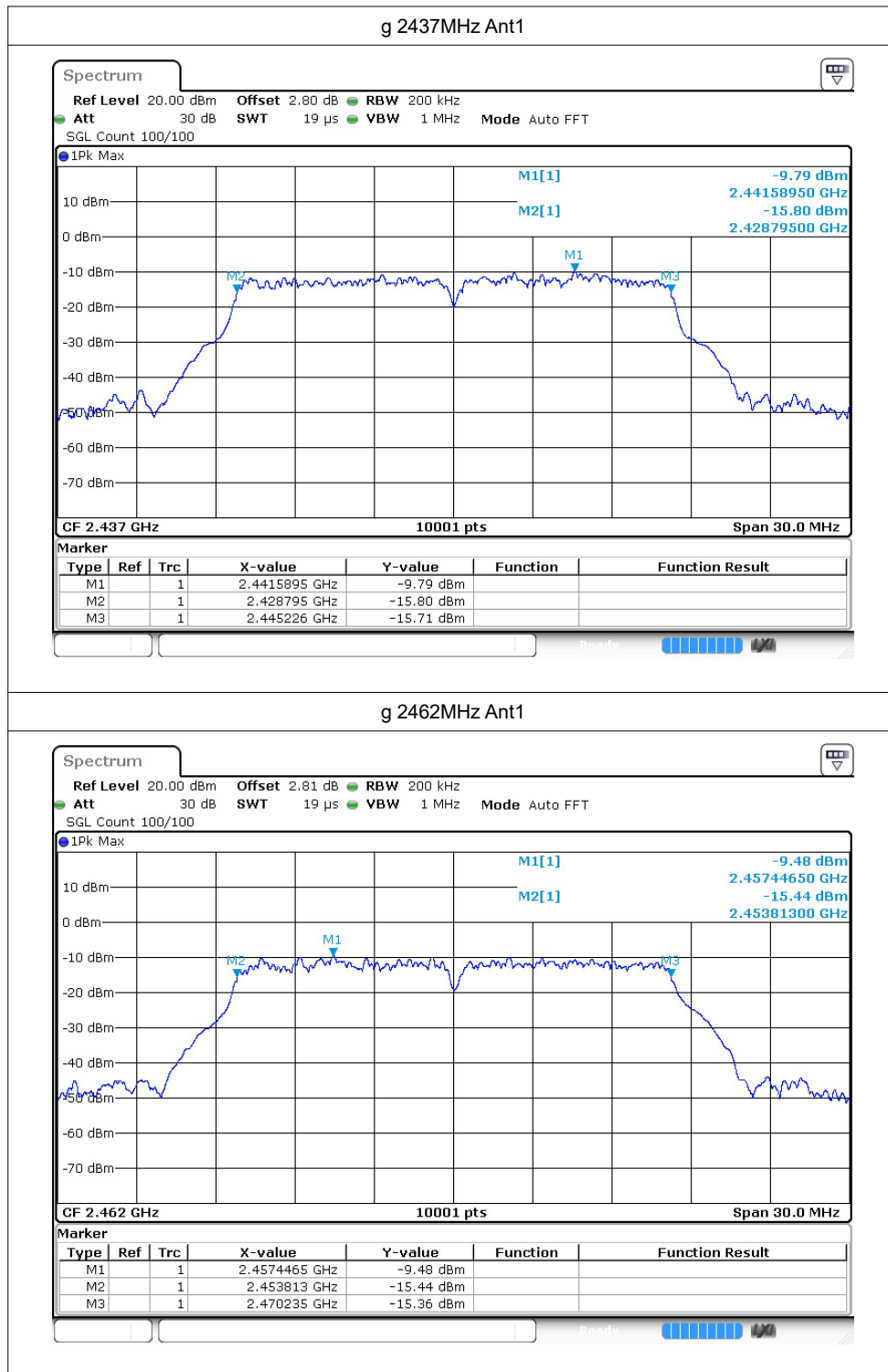
3.1 Test Result

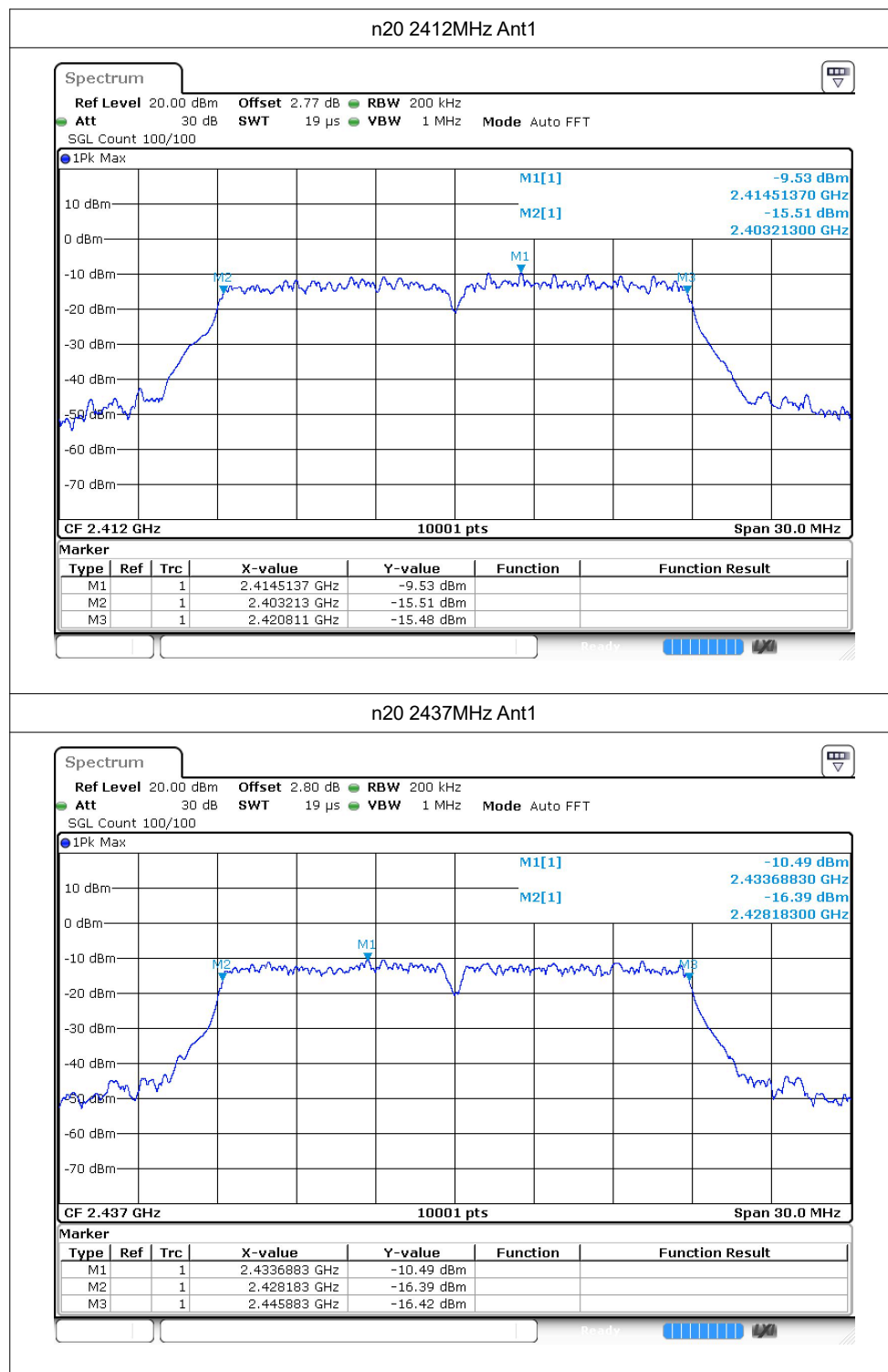
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	12.072	0.5	Pass
b	2437	Ant1	11.112	0.5	Pass
b	2462	Ant1	12.075	0.5	Pass
g	2412	Ant1	16.473	0.5	Pass
g	2437	Ant1	16.431	0.5	Pass
g	2462	Ant1	16.422	0.5	Pass
n20	2412	Ant1	17.598	0.5	Pass
n20	2437	Ant1	17.7	0.5	Pass
n20	2462	Ant1	17.685	0.5	Pass

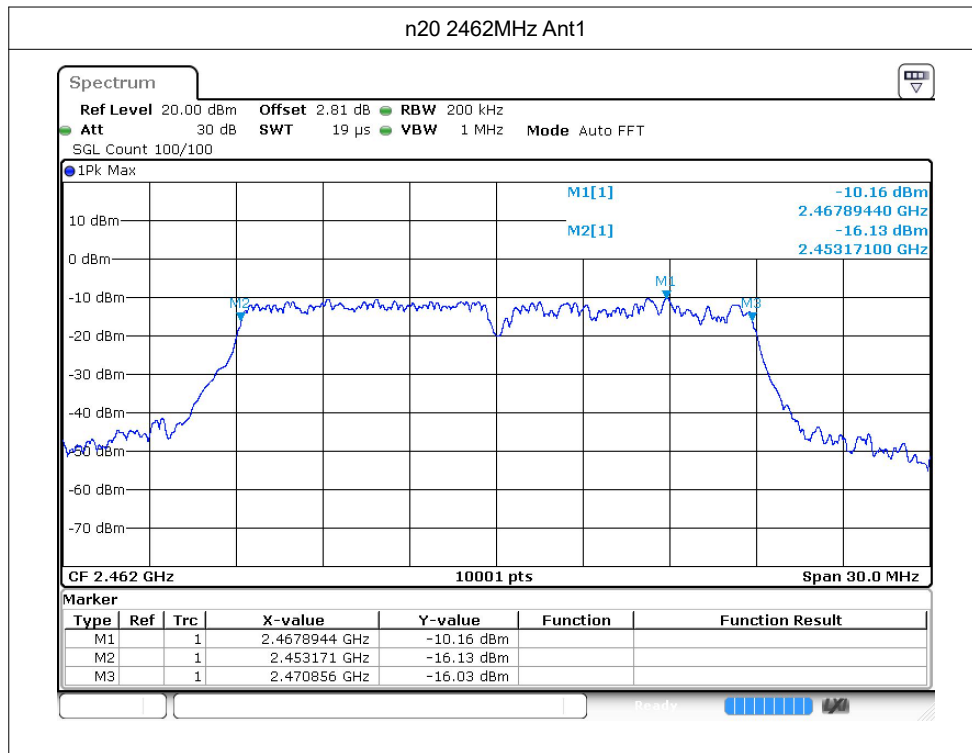
3.2 Test Graphs









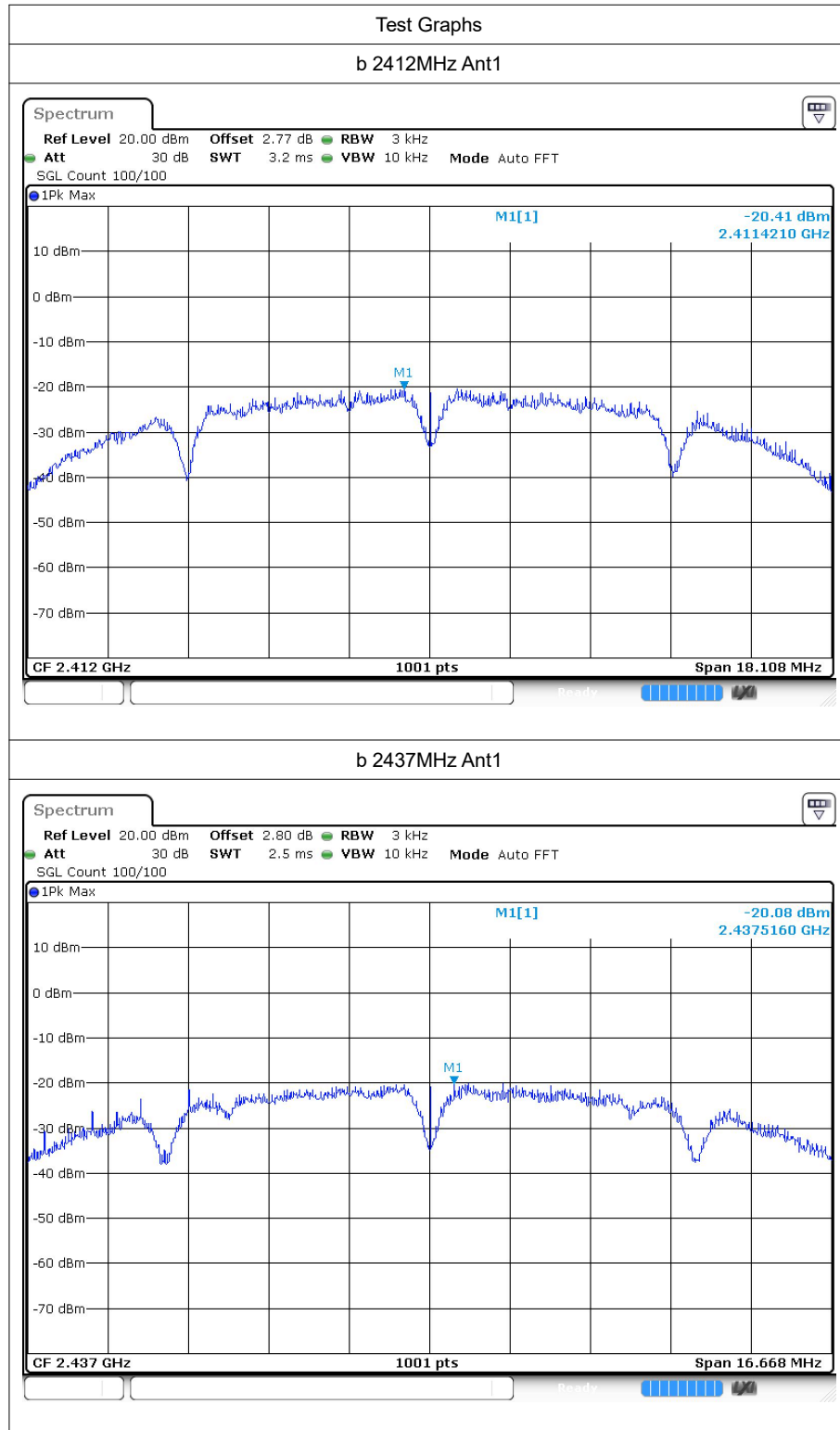


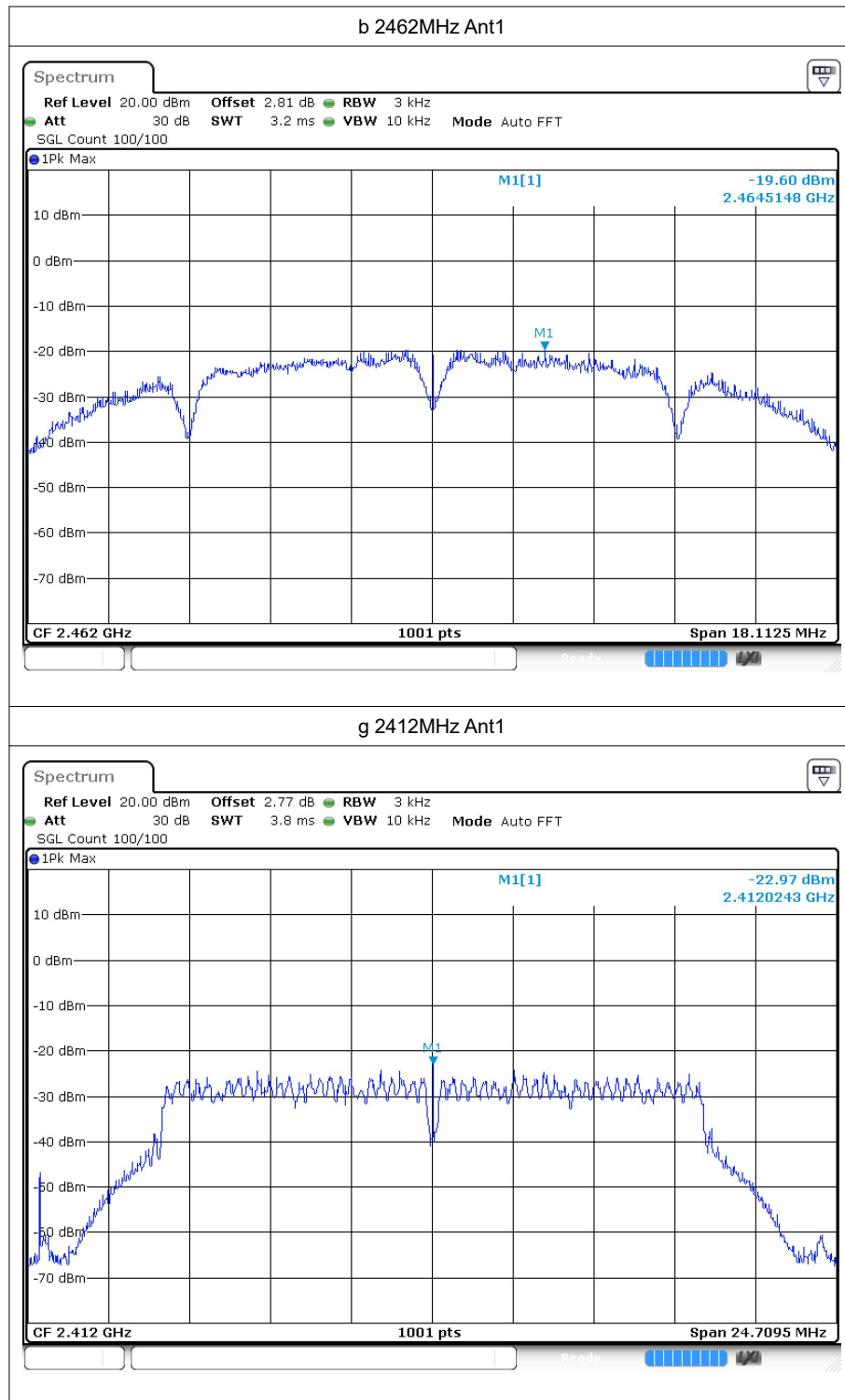
4 Maximum Power Spectral Density Level

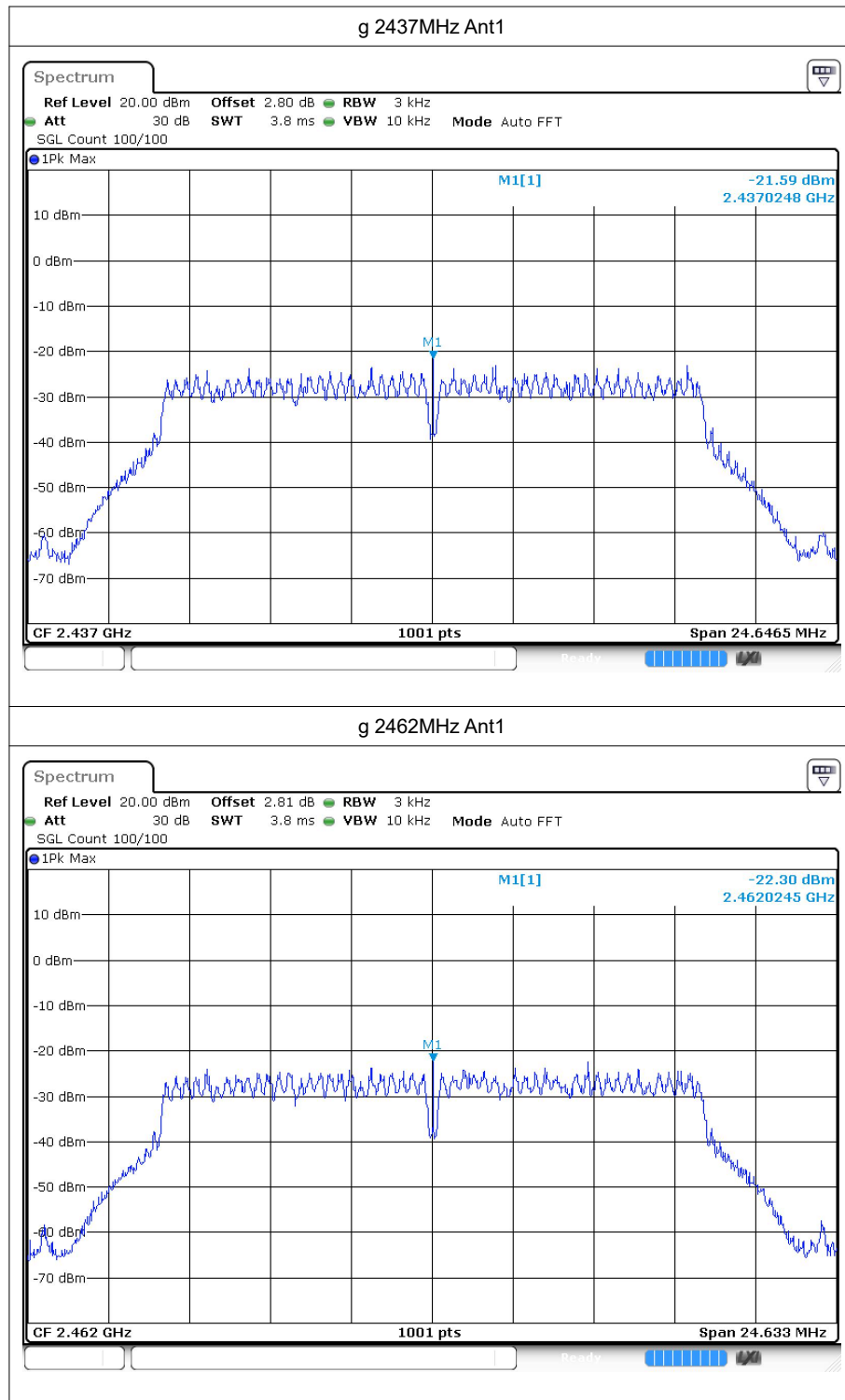
4.1 Test Result

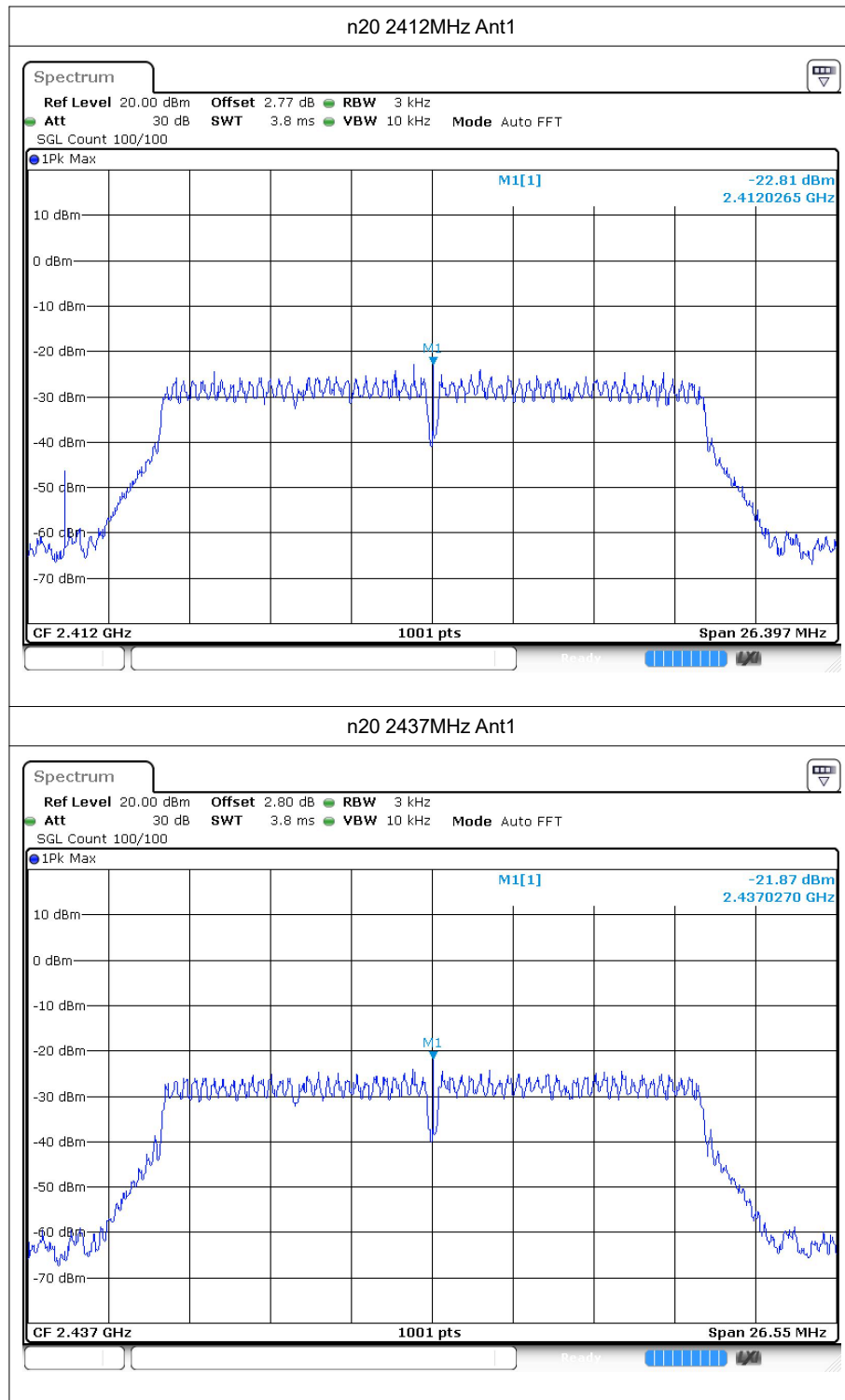
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-20.41	≤8	Pass
b	2437	Ant1	-20.08	≤8	Pass
b	2462	Ant1	-19.6	≤8	Pass
g	2412	Ant1	-22.97	≤8	Pass
g	2437	Ant1	-21.59	≤8	Pass
g	2462	Ant1	-22.3	≤8	Pass
n20	2412	Ant1	-22.81	≤8	Pass
n20	2437	Ant1	-21.87	≤8	Pass
n20	2462	Ant1	-22.38	≤8	Pass

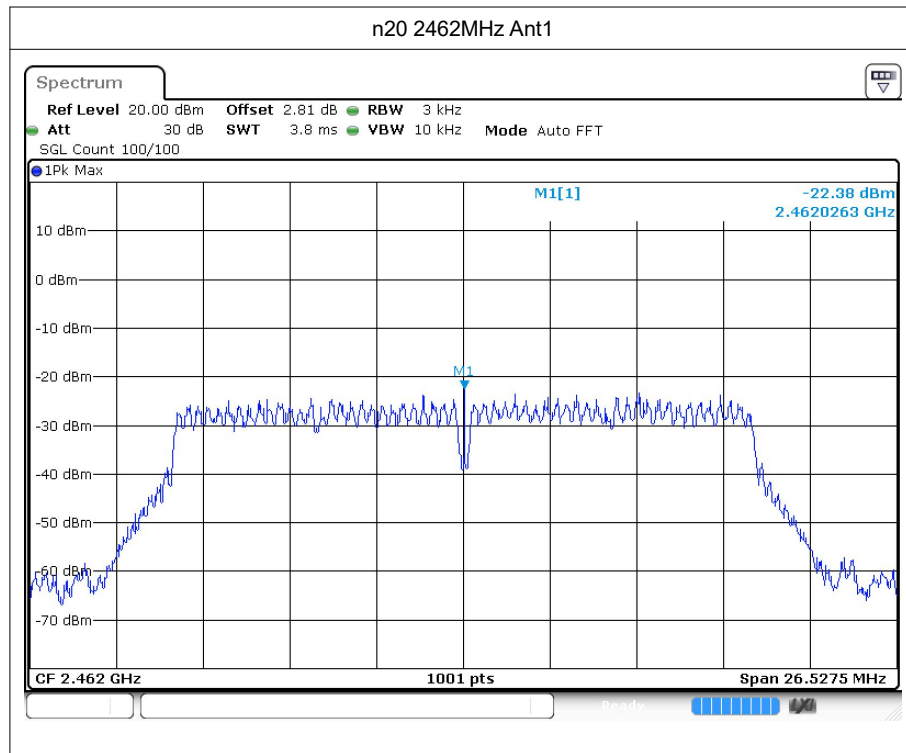
4.2 Test Graphs













5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-45.83	-20	Pass
b	2462	Ant1	-46.56	-20	Pass
g	2412	Ant1	-40.51	-20	Pass
g	2462	Ant1	-40.16	-20	Pass
n20	2412	Ant1	-42.6	-20	Pass
n20	2462	Ant1	-39.82	-20	Pass

5.2 Test Graphs

