



Appendix B

RF Test Data for 2.4G (Conducted Measurement)

Product Name: SOTURI+ Wireless Headset

Trade Mark: N/A

Test Model: HSEG768WL

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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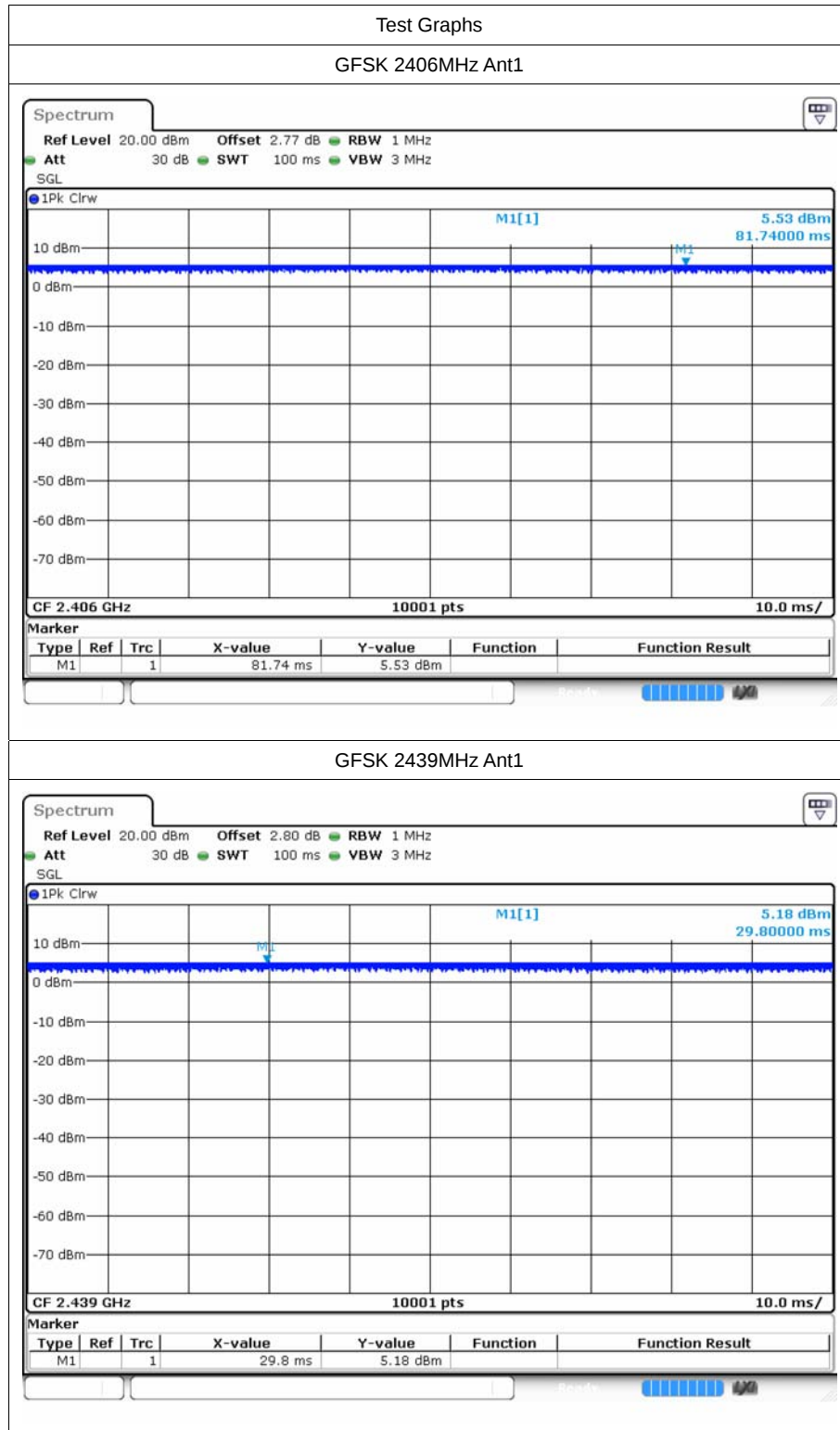


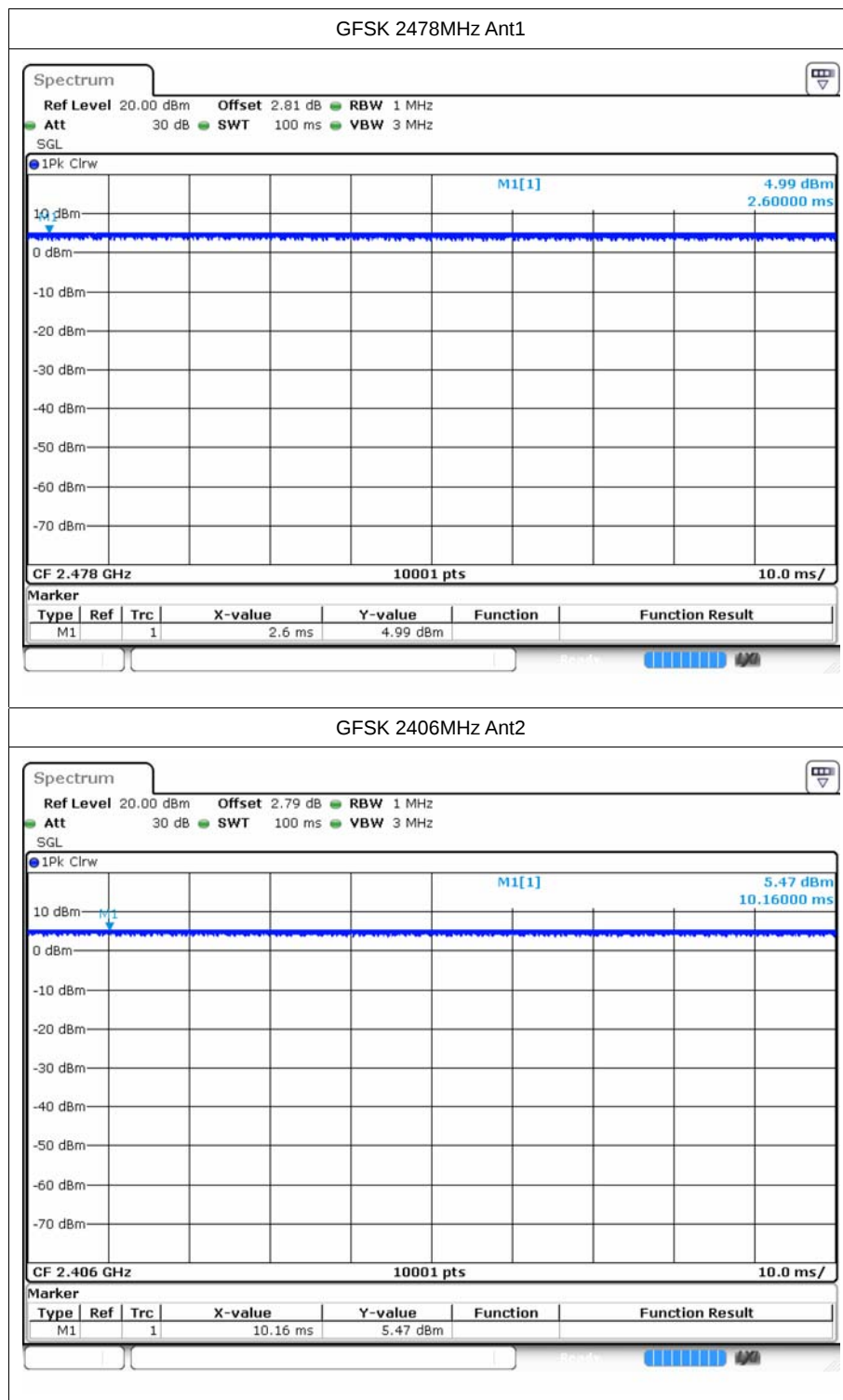
1 Duty Cycle

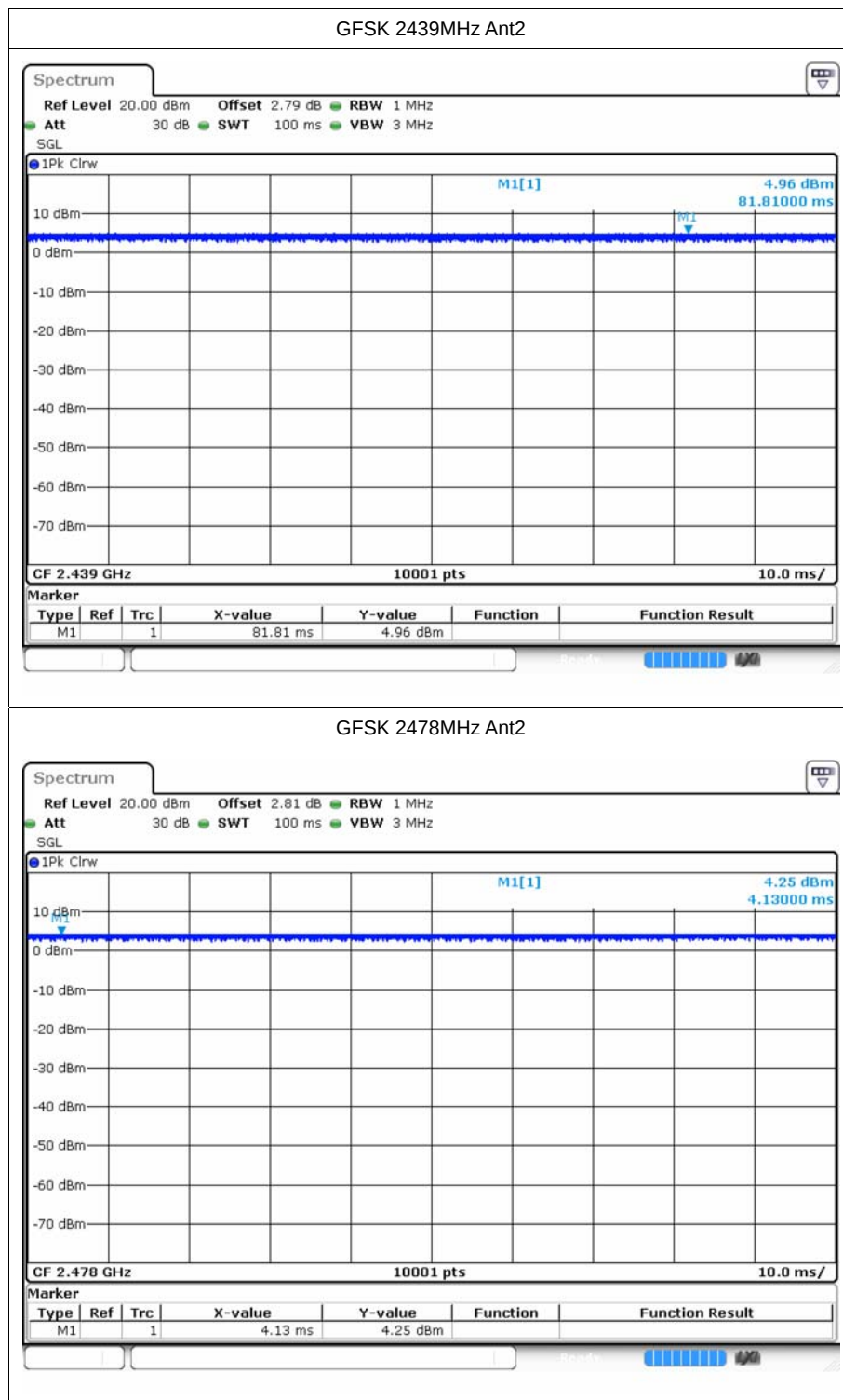
1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)
GFSK	2406	Ant1	100
GFSK	2439	Ant1	100
GFSK	2478	Ant1	100
GFSK	2406	Ant2	100
GFSK	2439	Ant2	100
GFSK	2478	Ant2	100

1.2 Test Graphs







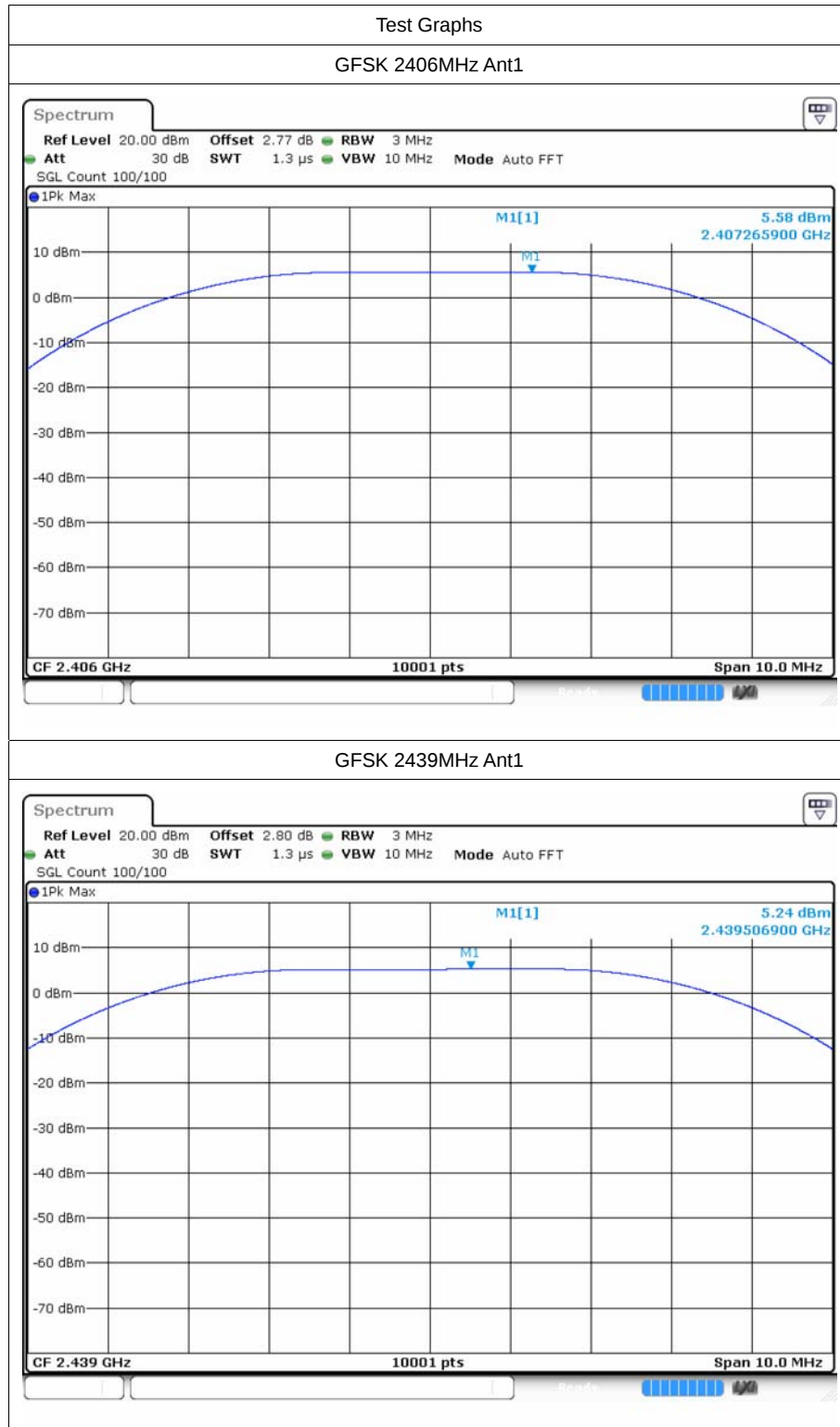


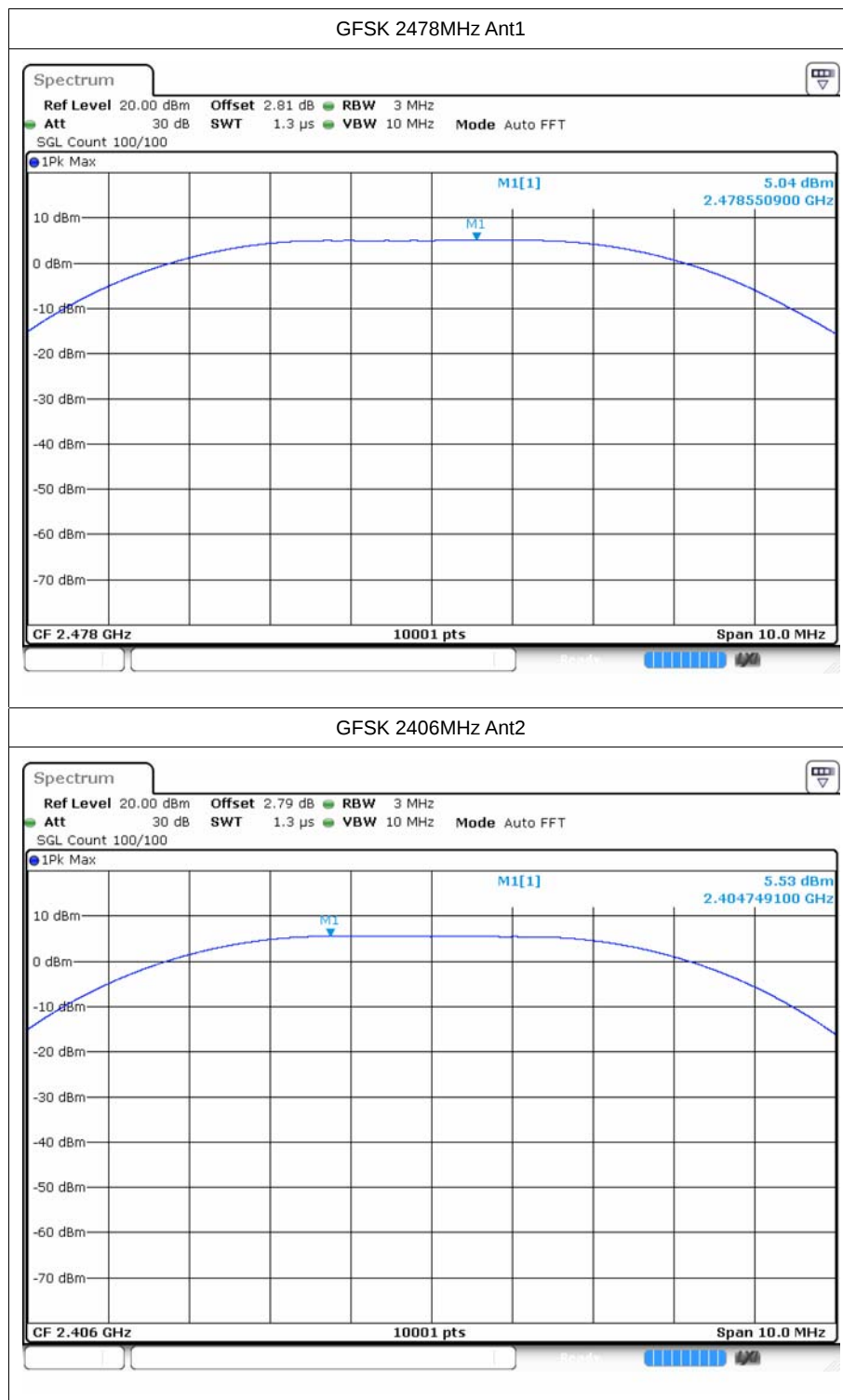
2 Maximum Conducted Output Power

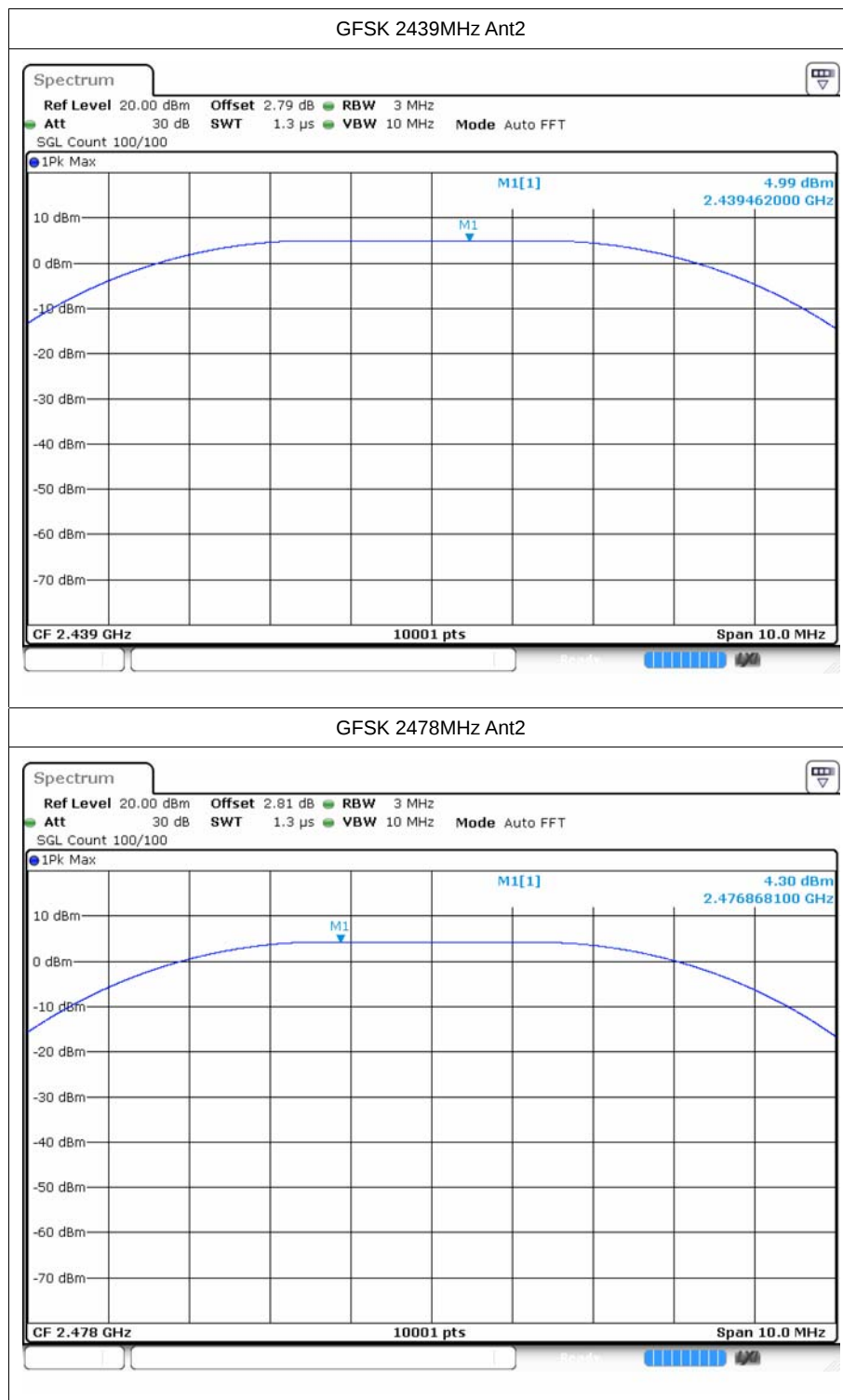
2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
GFSK	2406	Ant1	5.58	30	Pass
GFSK	2439	Ant1	5.24	30	Pass
GFSK	2478	Ant1	5.04	30	Pass
GFSK	2406	Ant2	5.53	30	Pass
GFSK	2439	Ant2	4.99	30	Pass
GFSK	2478	Ant2	4.3	30	Pass

2.2 Test Graphs







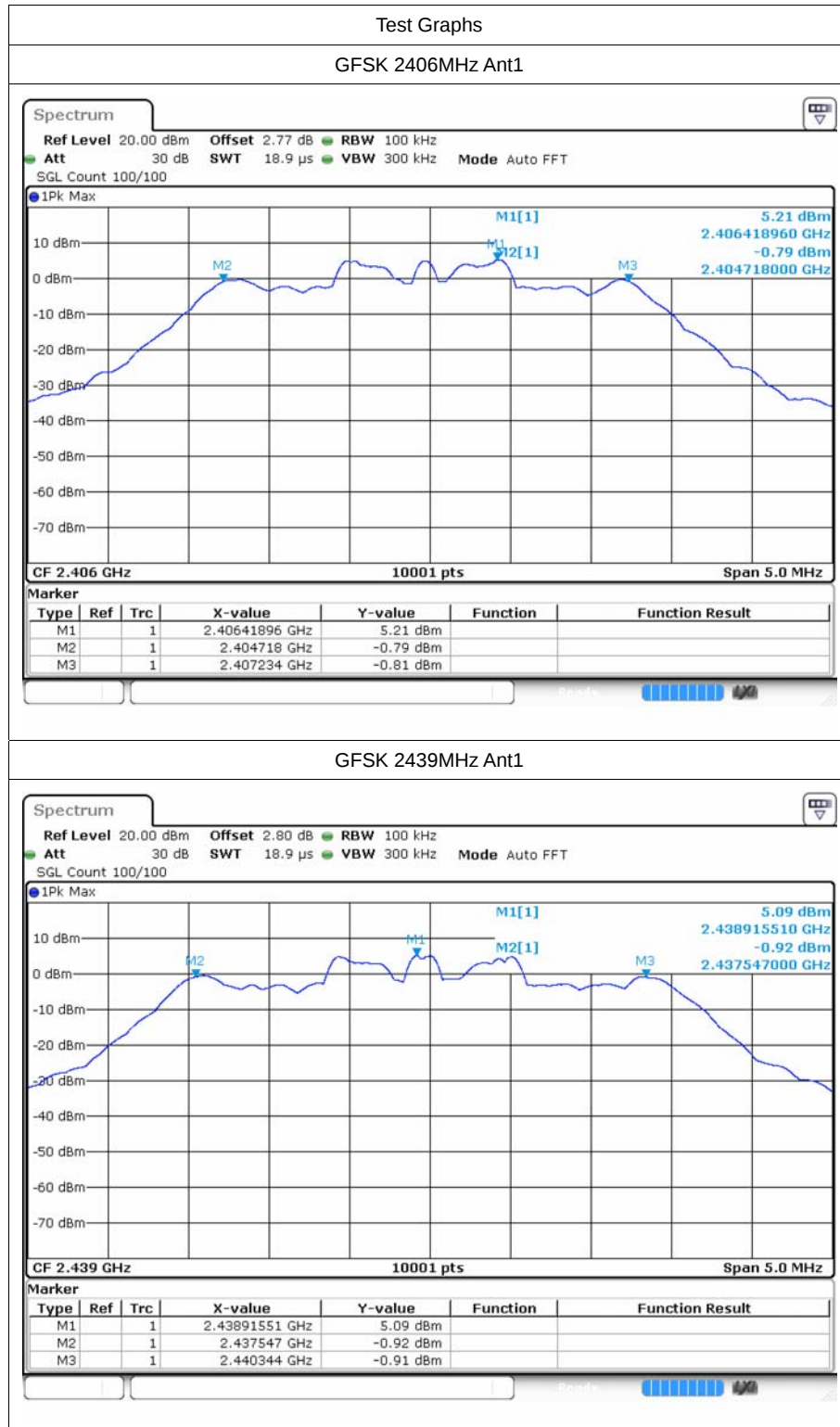


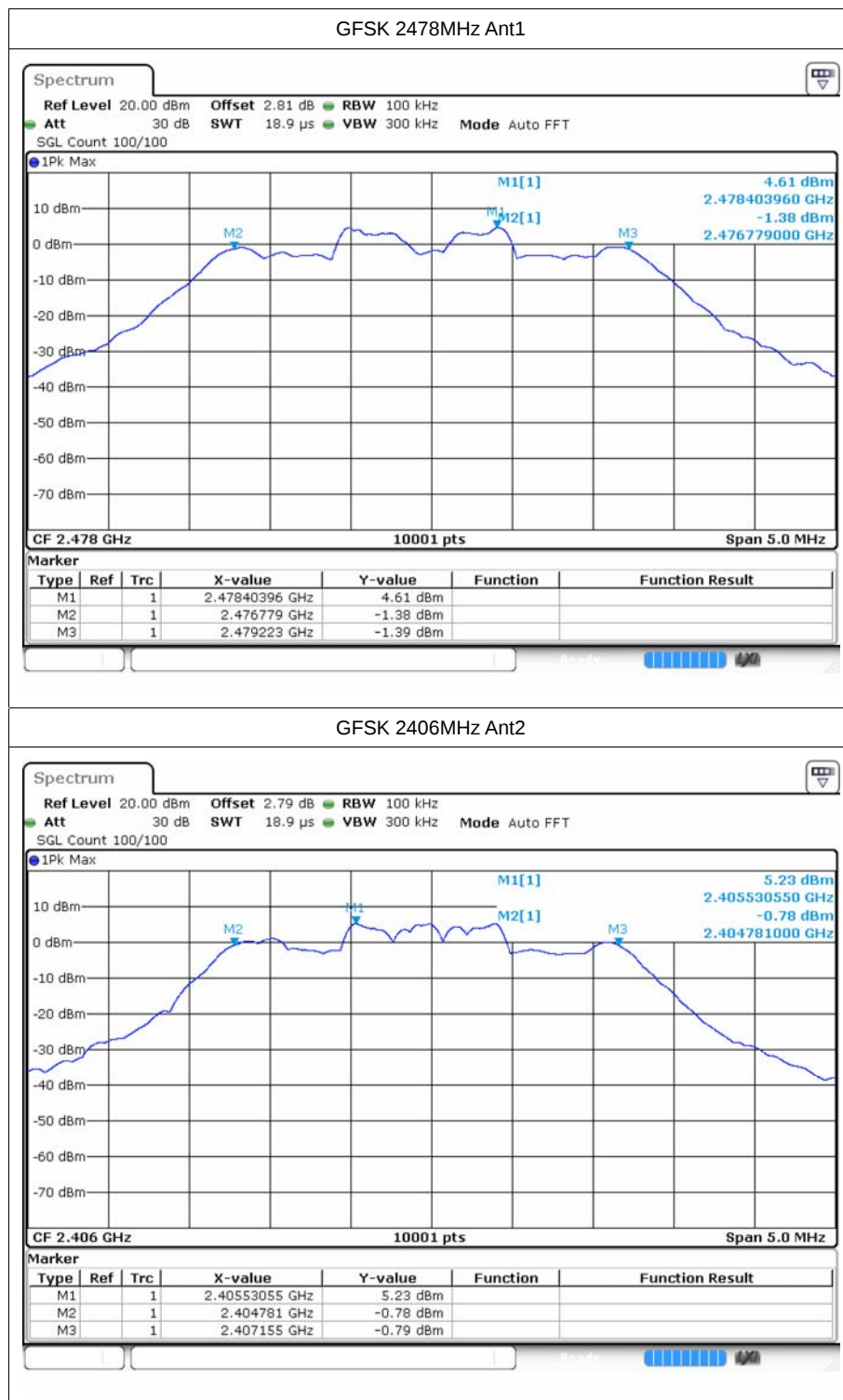
3 -6dB Bandwidth

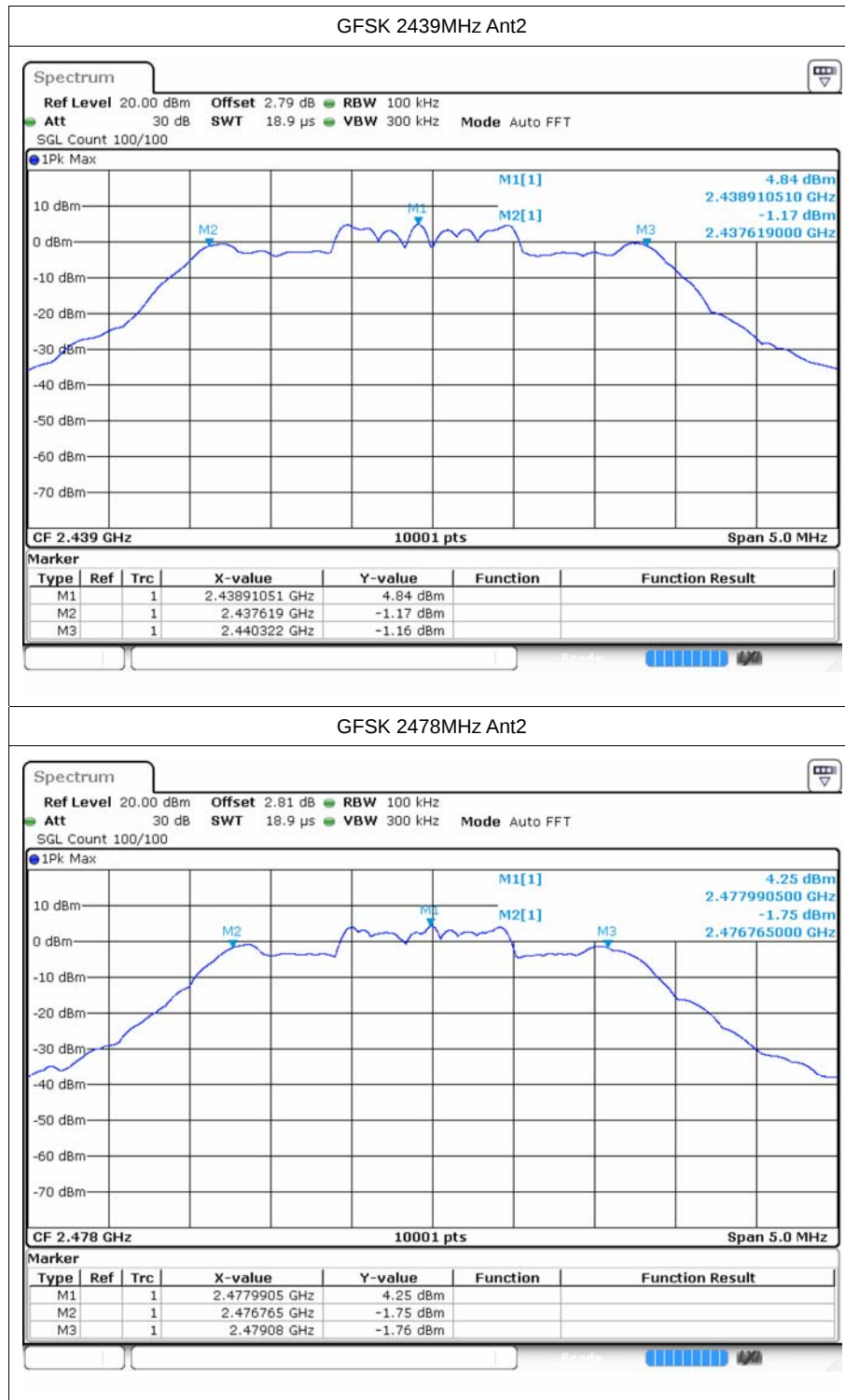
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
GFSK	2406	Ant1	2.515	0.5	Pass
GFSK	2439	Ant1	2.797	0.5	Pass
GFSK	2478	Ant1	2.444	0.5	Pass
GFSK	2406	Ant2	2.374	0.5	Pass
GFSK	2439	Ant2	2.704	0.5	Pass
GFSK	2478	Ant2	2.314	0.5	Pass

3.2 Test Graphs





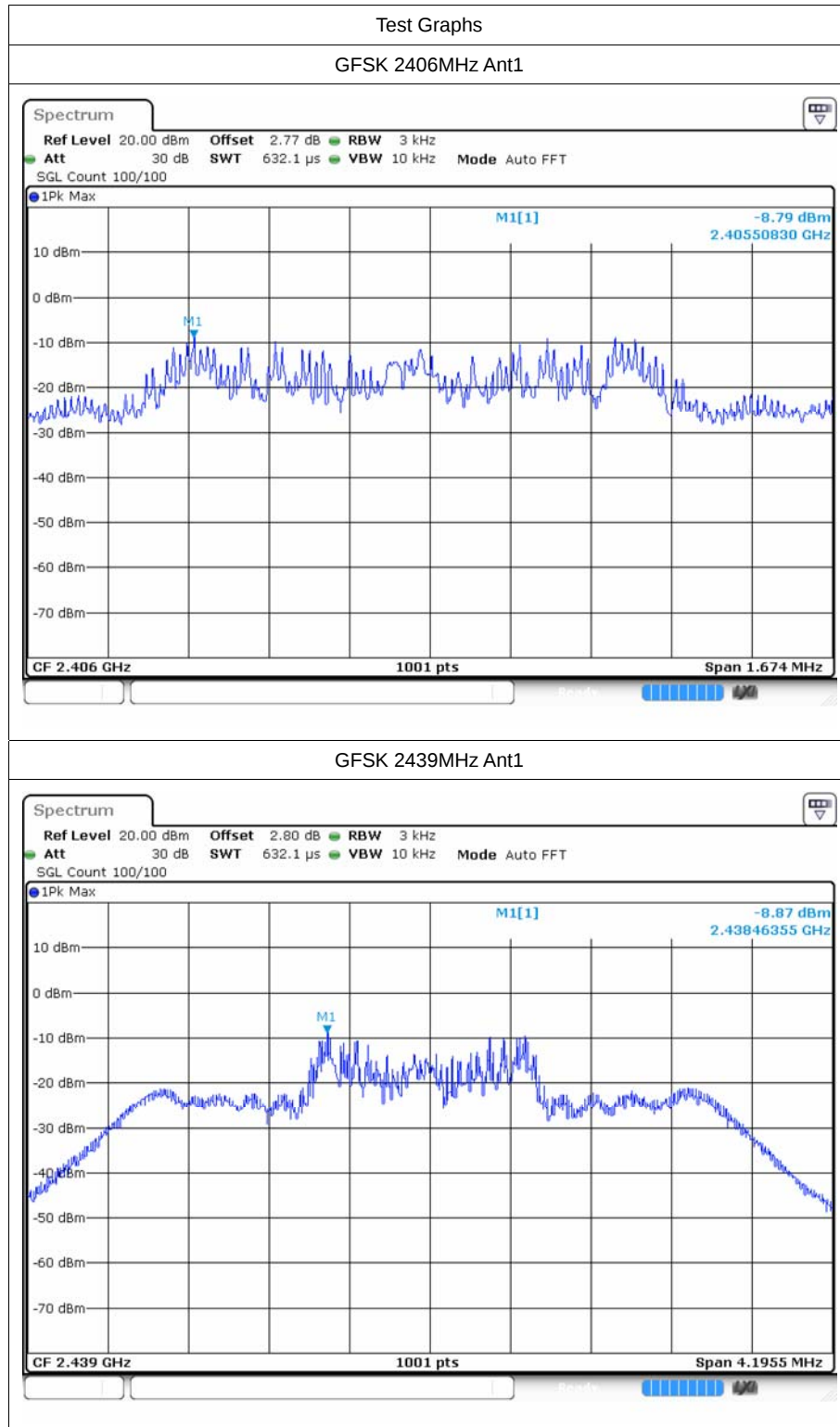


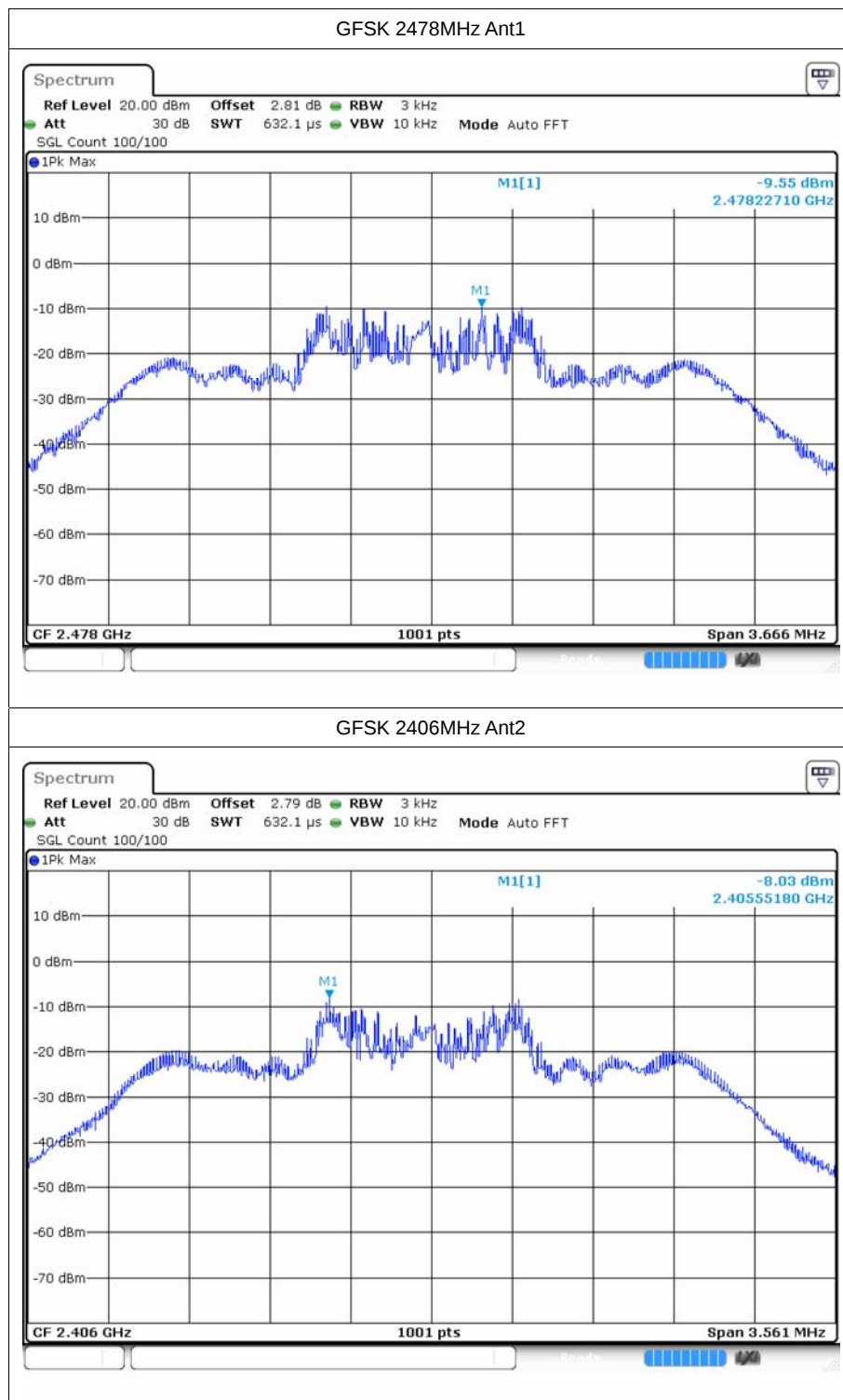
4 Maximum Power Spectral Density Level

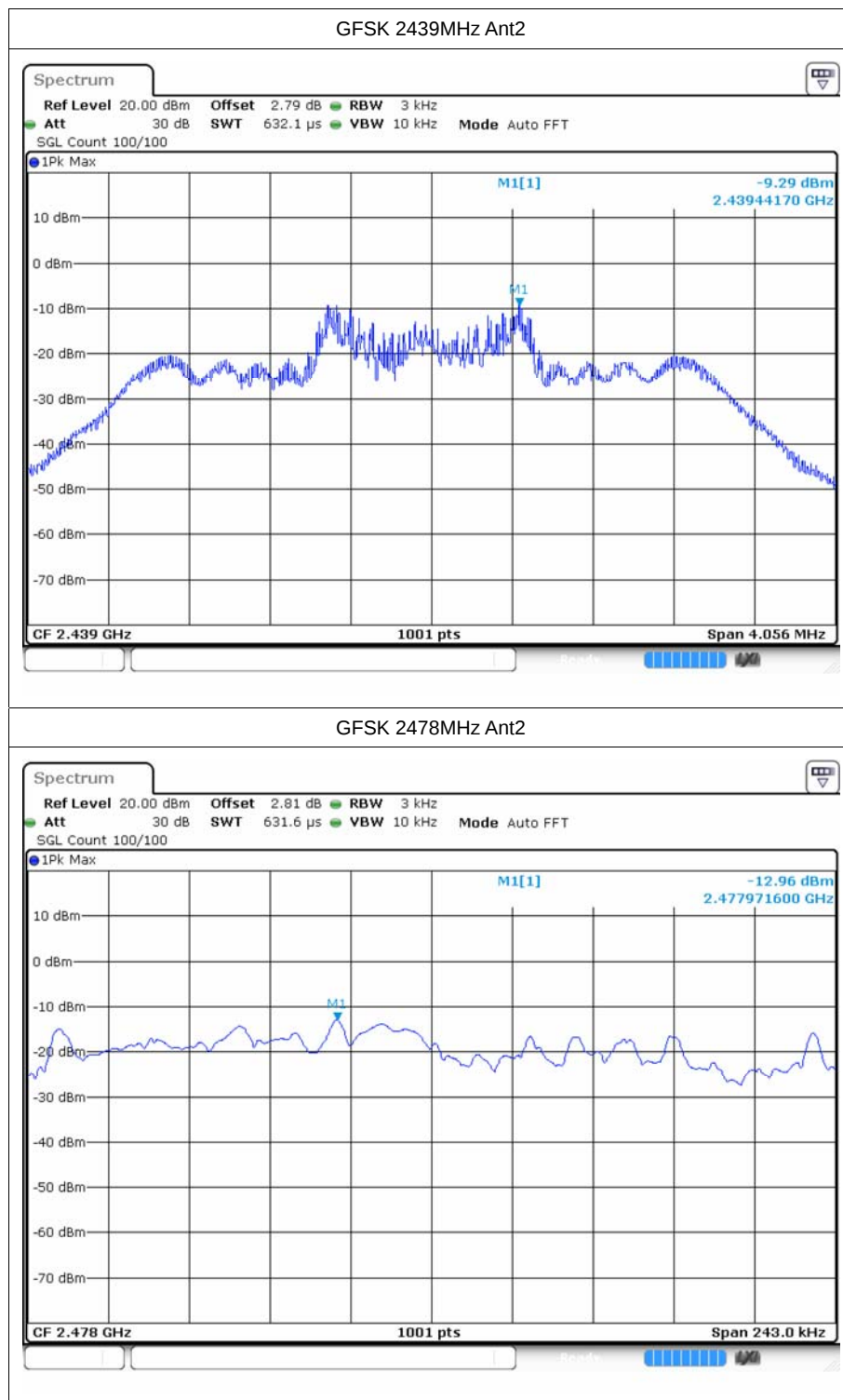
4.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
GFSK	2406	Ant1	-8.79	≤ 8	Pass
GFSK	2439	Ant1	-8.87	≤ 8	Pass
GFSK	2478	Ant1	-9.55	≤ 8	Pass
GFSK	2406	Ant2	-8.03	≤ 8	Pass
GFSK	2439	Ant2	-9.29	≤ 8	Pass
GFSK	2478	Ant2	-12.96	≤ 8	Pass

4.2 Test Graphs







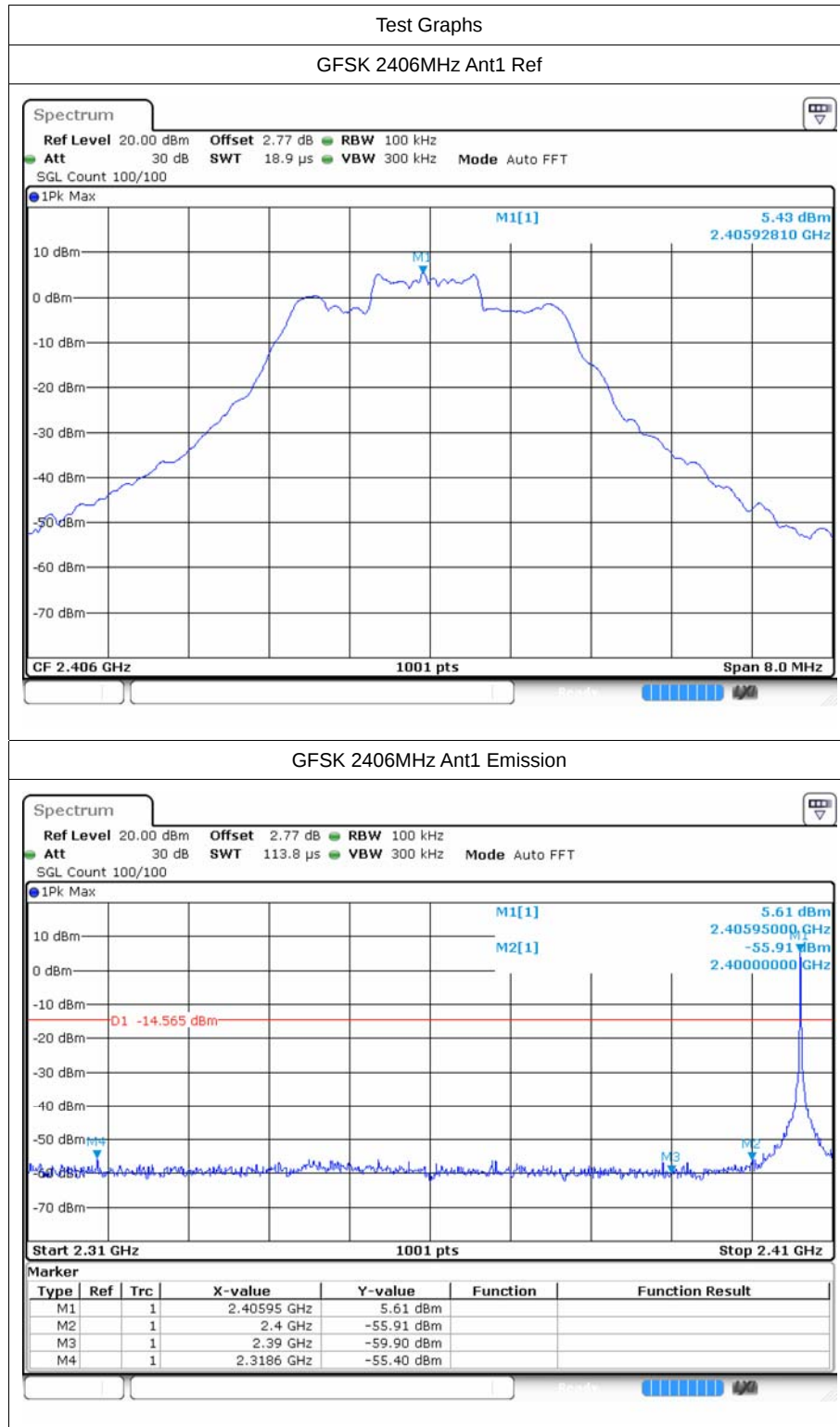


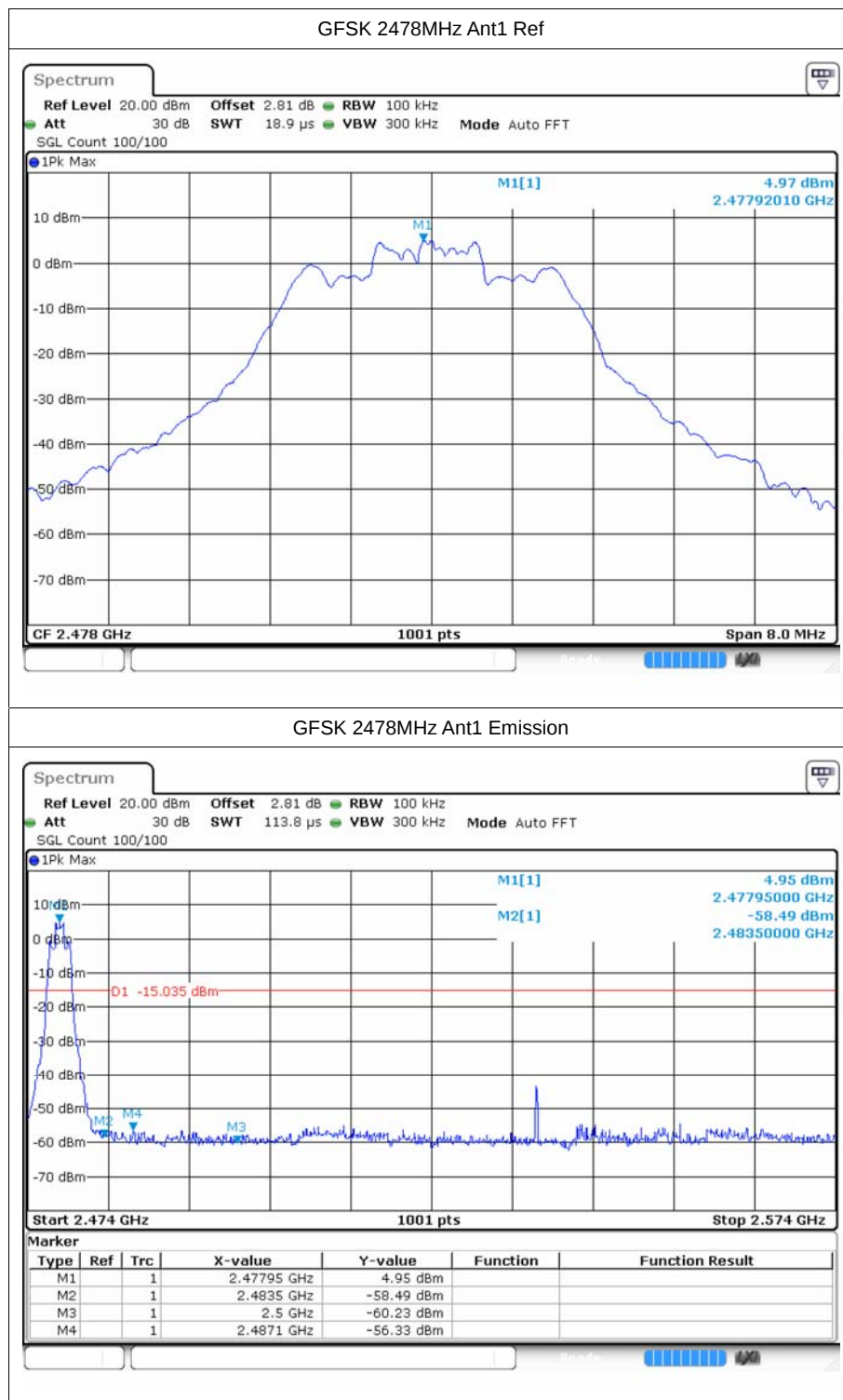
5 Band Edge

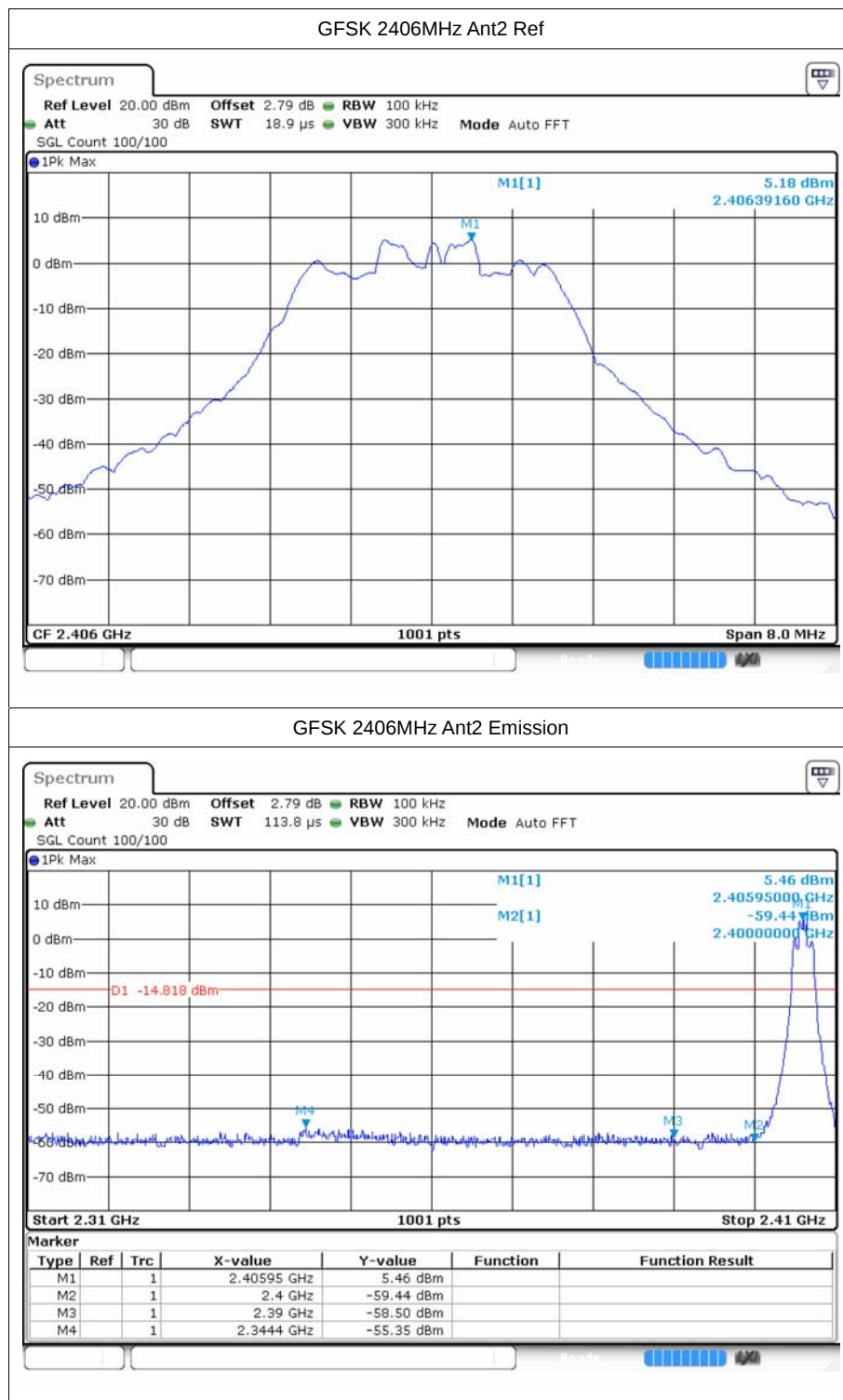
5.1 Test Result

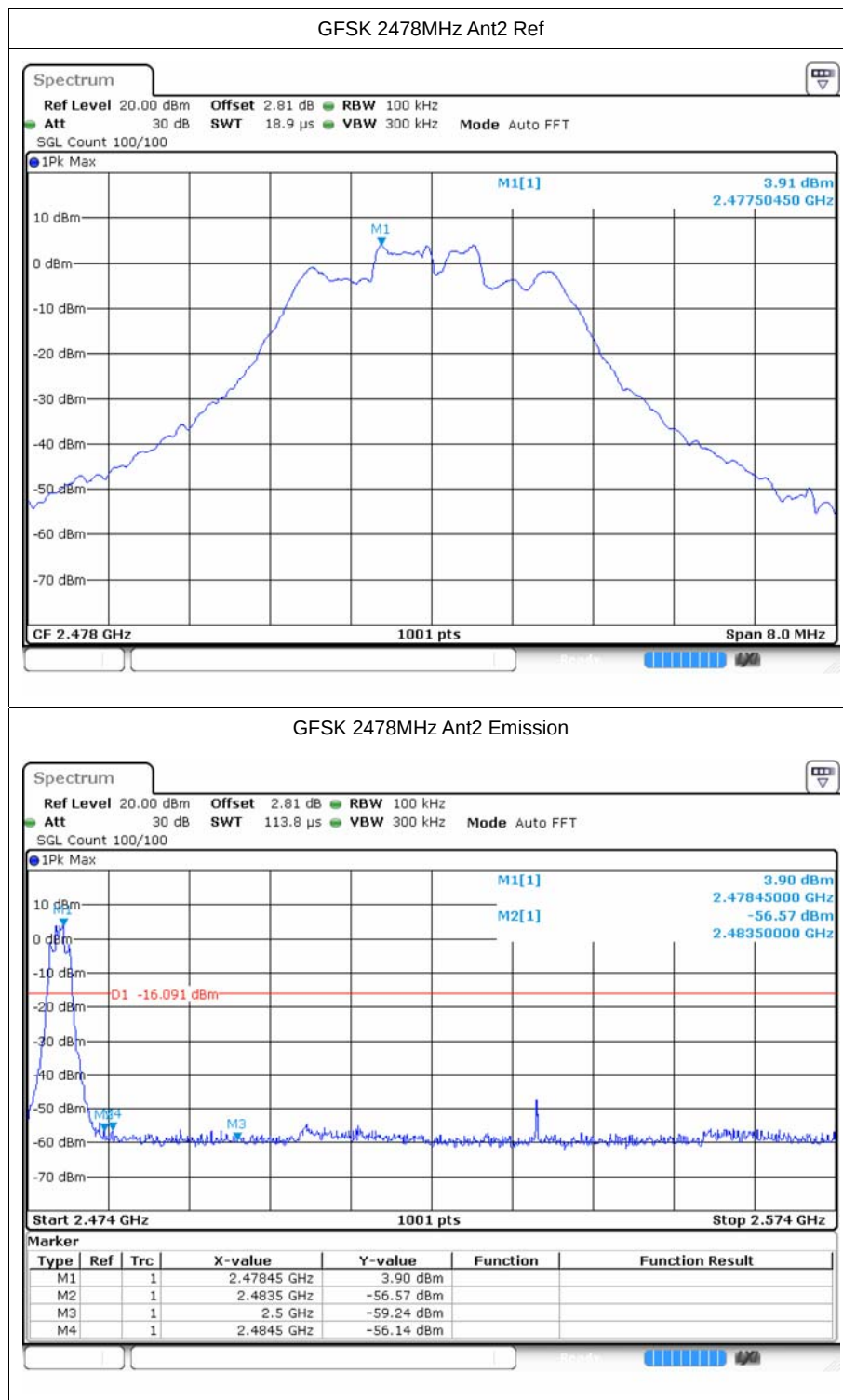
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2406	Ant1	-60.83	-20	Pass
GFSK	2478	Ant1	-61.3	-20	Pass
GFSK	2406	Ant2	-60.53	-20	Pass
GFSK	2478	Ant2	-60.05	-20	Pass

5.2 Test Graphs









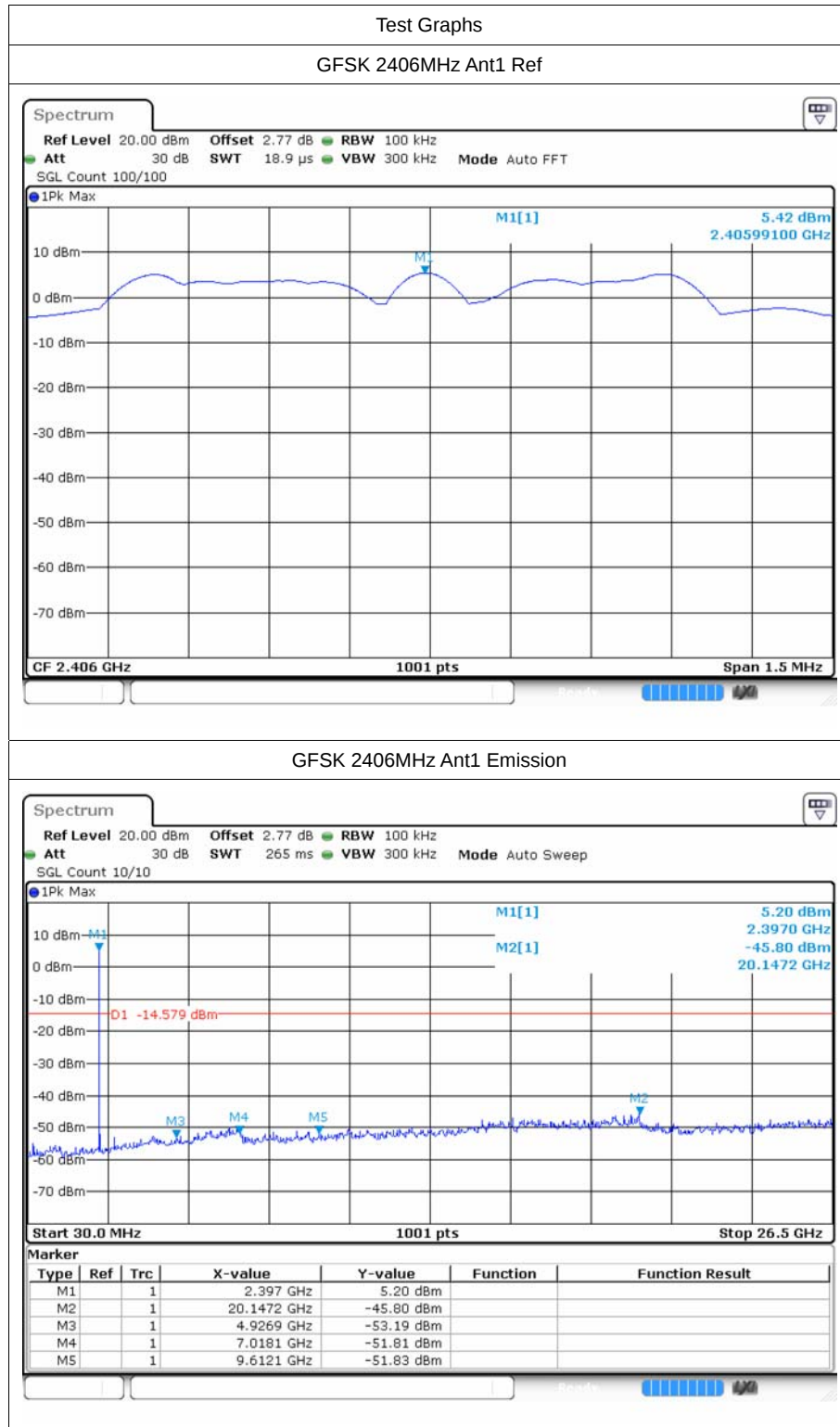


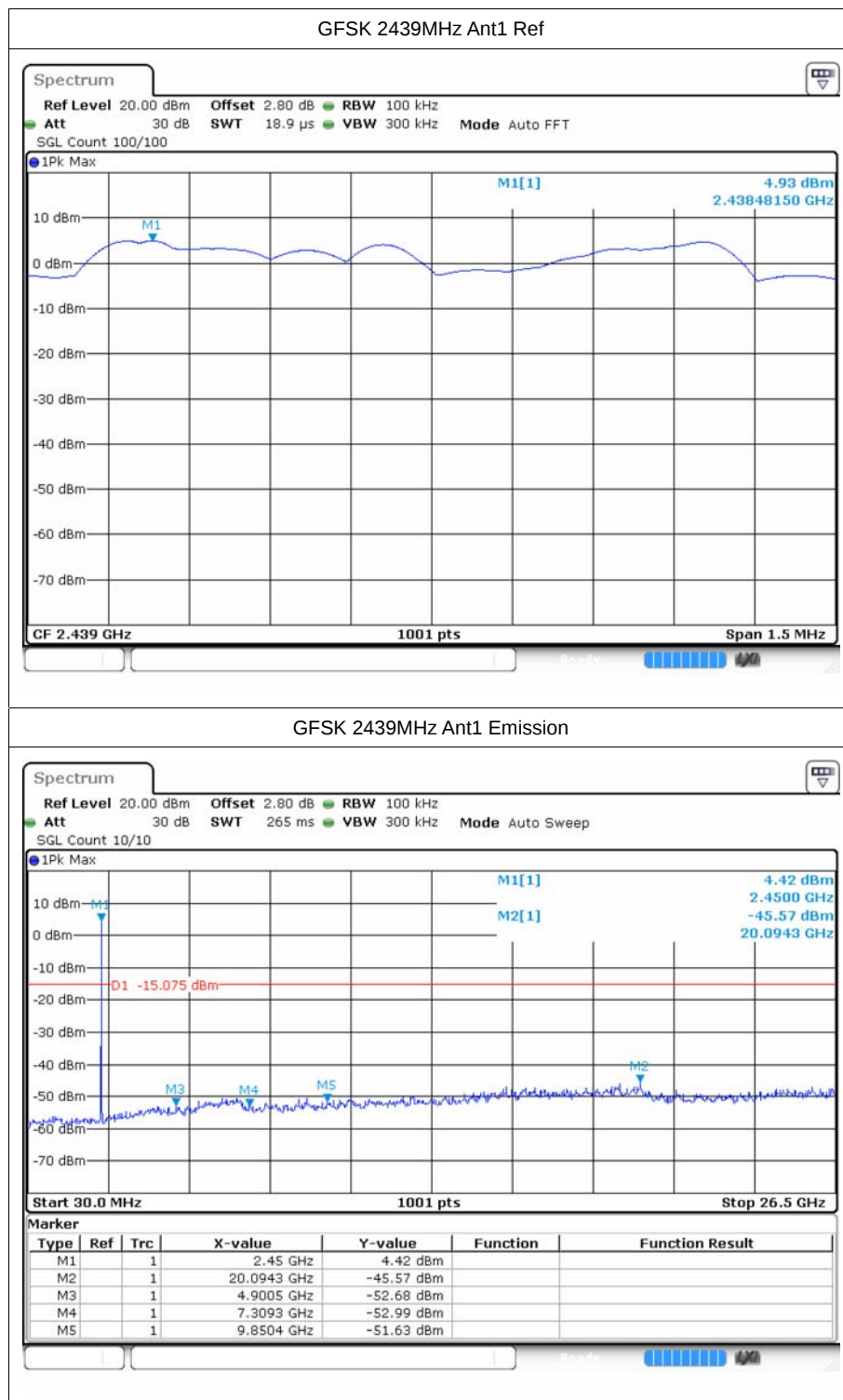
6 Conducted RF Spurious Emission

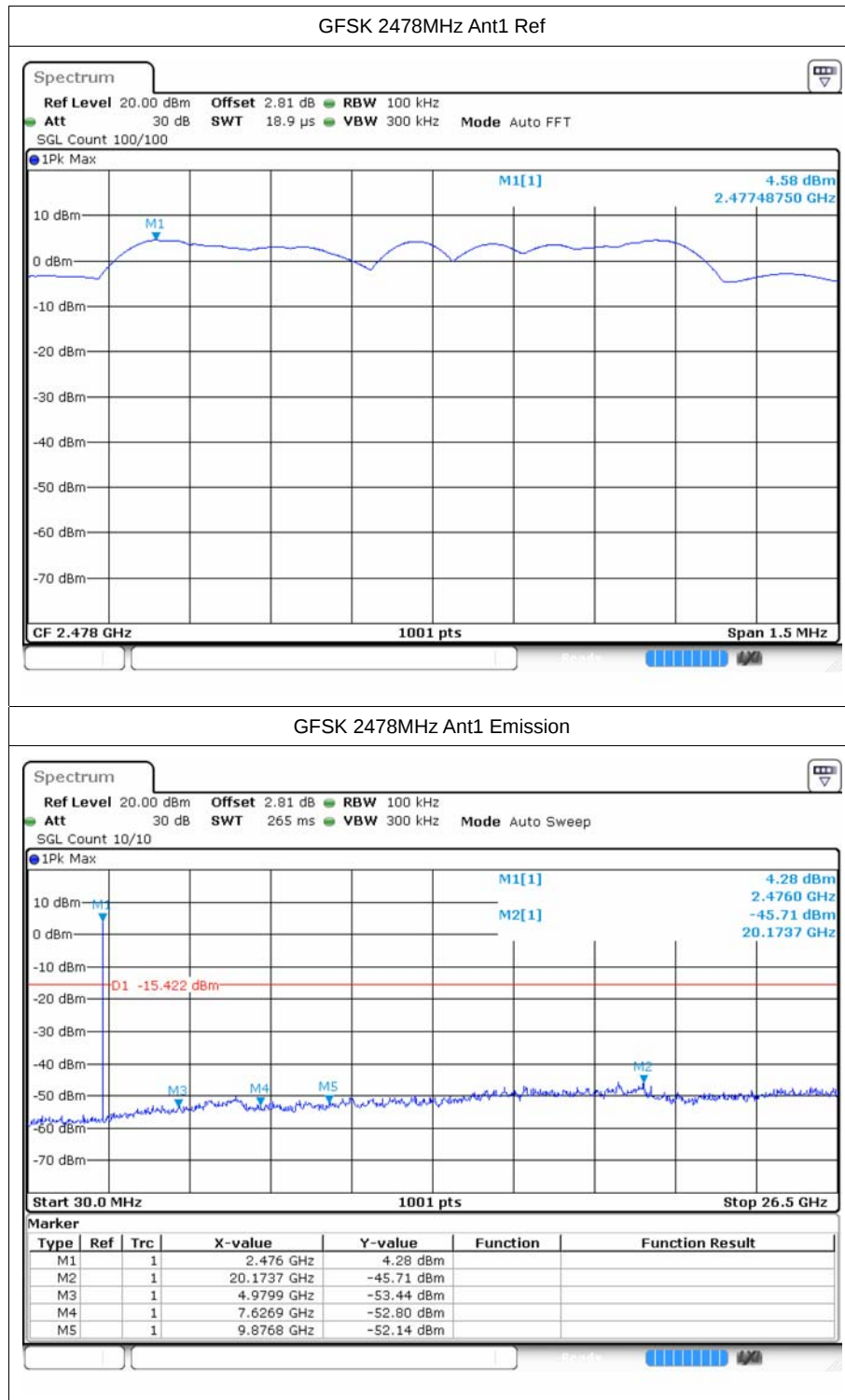
6.1 Test Result

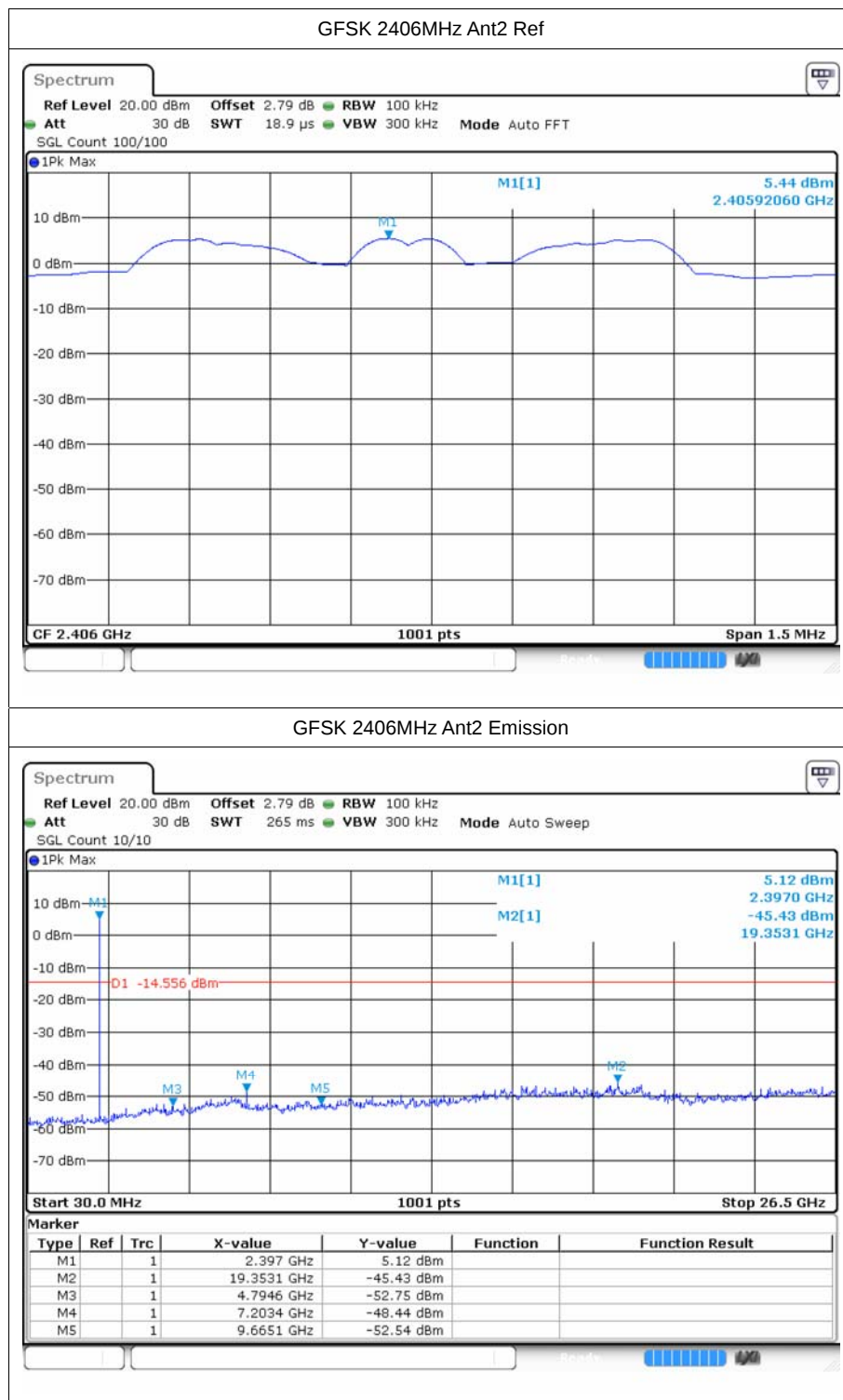
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2406	Ant1	-51.21	-20	Pass
GFSK	2439	Ant1	-50.49	-20	Pass
GFSK	2478	Ant1	-50.28	-20	Pass
GFSK	2406	Ant2	-50.87	-20	Pass
GFSK	2439	Ant2	-51.39	-20	Pass
GFSK	2478	Ant2	-49.03	-20	Pass

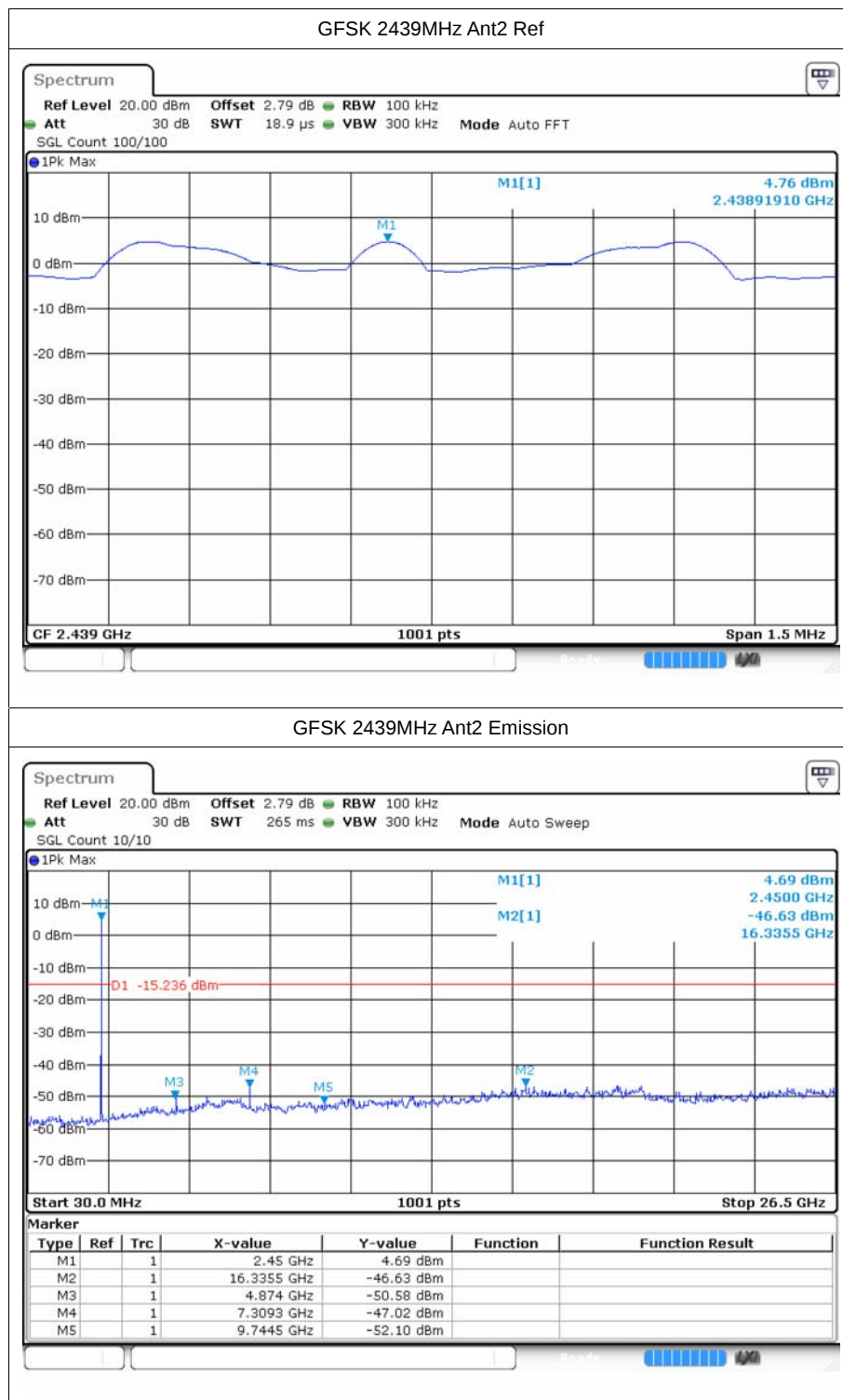
6.2 Test Graphs

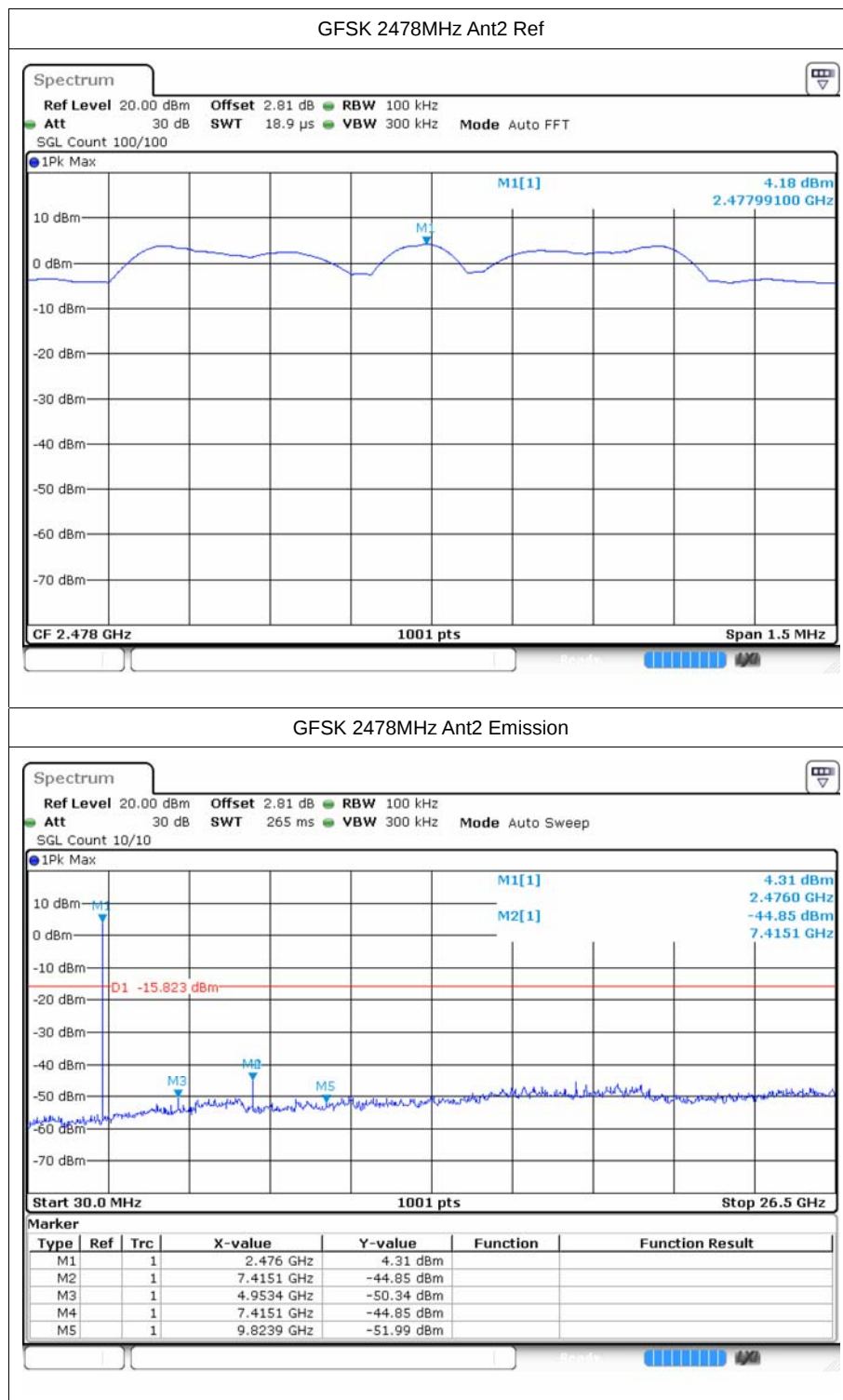












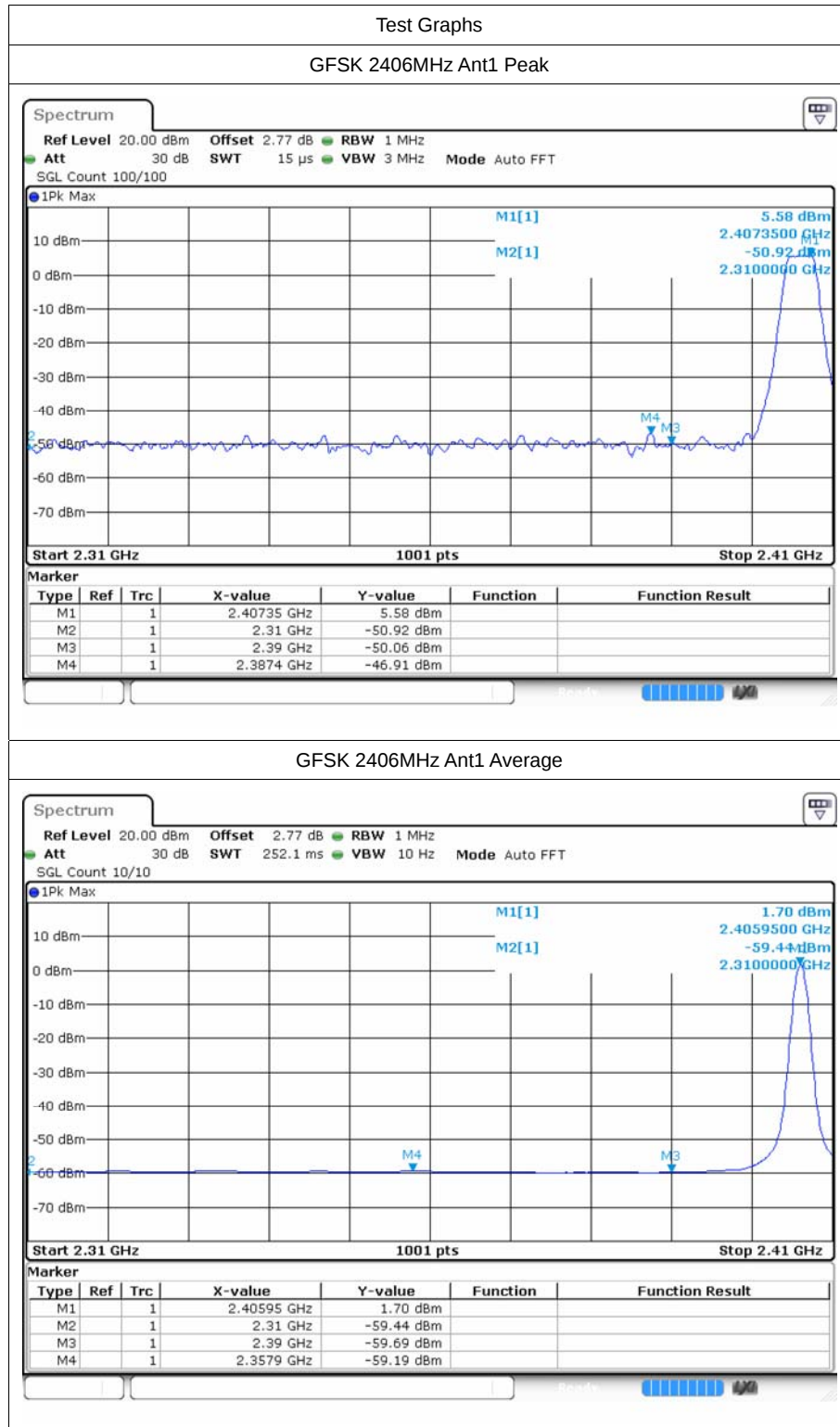


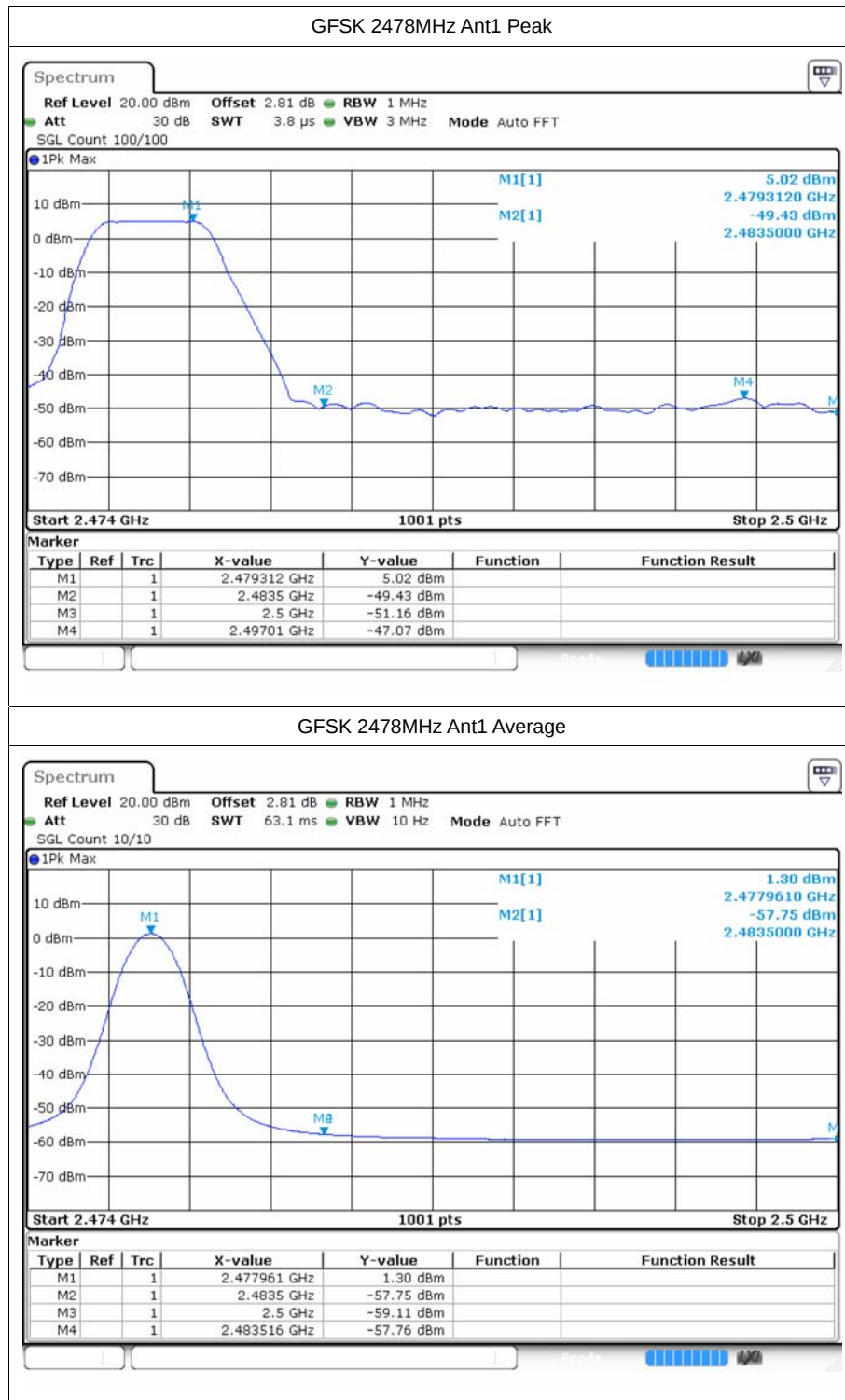
7 Restrict Band

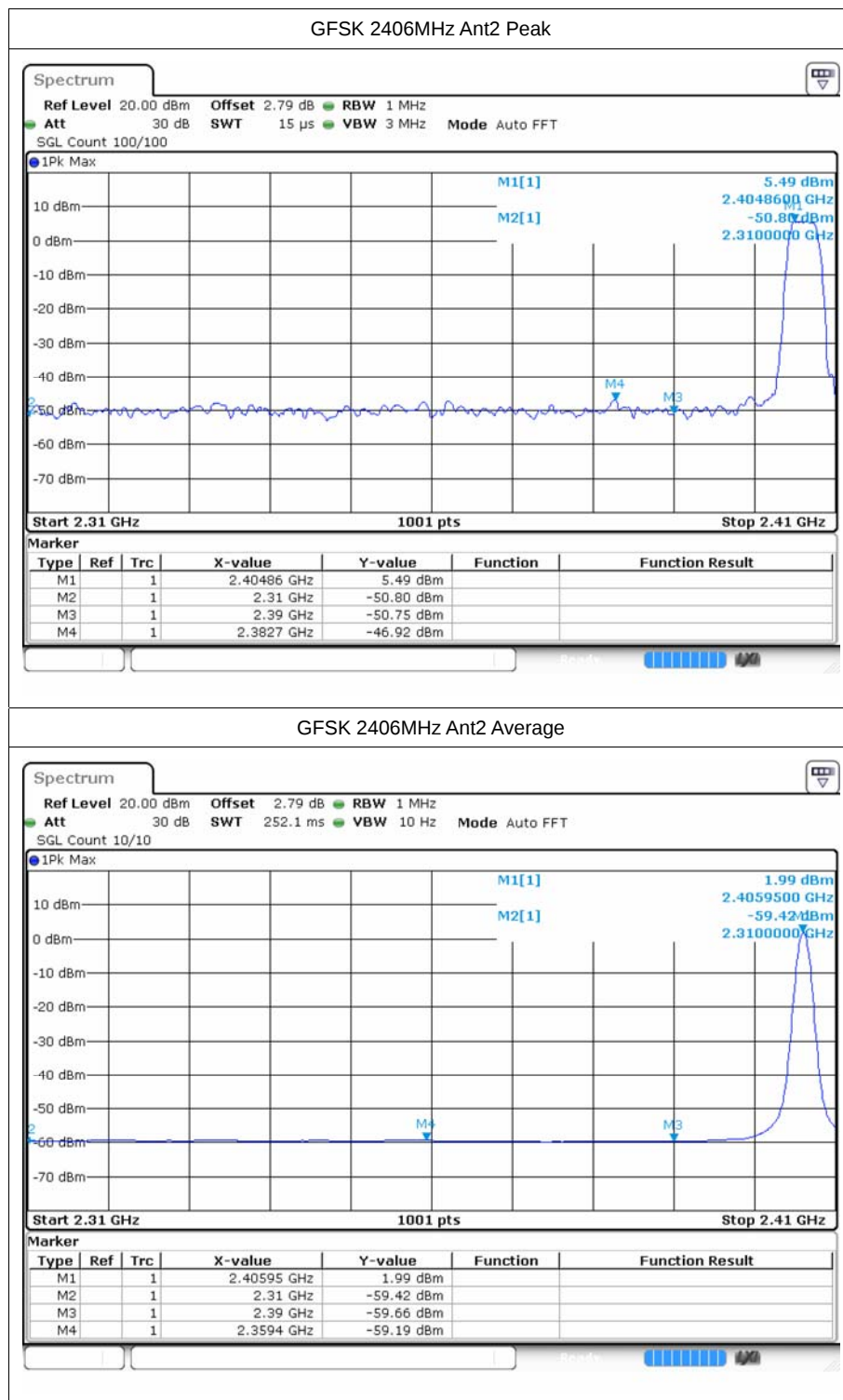
7.1 Test Result

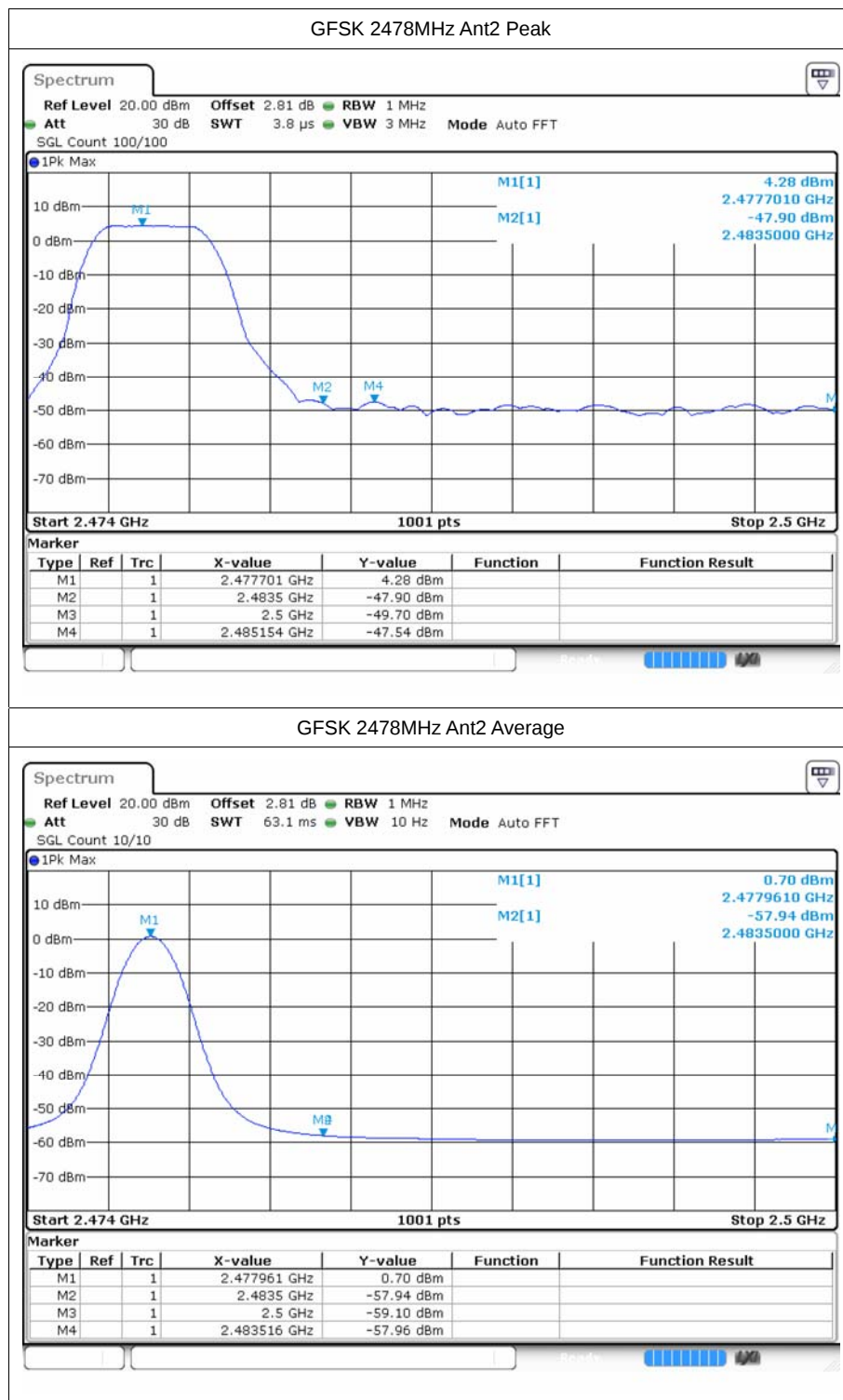
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
GFSK	2406	Ant1	2310	-50.91	2	46.35	Peak	74	Pass
GFSK	2406	Ant1	2310	-59.44	2	37.82	Average	54	Pass
GFSK	2406	Ant1	2387.4	-46.9	2	50.36	Peak	74	Pass
GFSK	2406	Ant1	2357.9	-59.18	2	38.08	Average	54	Pass
GFSK	2406	Ant1	2390	-50.05	2	47.21	Peak	74	Pass
GFSK	2406	Ant1	2390	-59.69	2	37.57	Average	54	Pass
GFSK	2478	Ant1	2483.5	-49.32	2	47.94	Peak	74	Pass
GFSK	2478	Ant1	2483.5	-57.76	2	39.5	Average	54	Pass
GFSK	2478	Ant1	2497.01	-47.06	2	50.2	Peak	74	Pass
GFSK	2478	Ant1	2483.516	-57.76	2	39.5	Average	54	Pass
GFSK	2478	Ant1	2500	-51.16	2	46.1	Peak	74	Pass
GFSK	2478	Ant1	2500	-59.1	2	38.16	Average	54	Pass
GFSK	2406	Ant2	2310	-50.8	2	46.46	Peak	74	Pass
GFSK	2406	Ant2	2310	-59.42	2	37.84	Average	54	Pass
GFSK	2406	Ant2	2382.7	-46.91	2	50.35	Peak	74	Pass
GFSK	2406	Ant2	2359.4	-59.18	2	38.08	Average	54	Pass
GFSK	2406	Ant2	2390	-50.74	2	46.52	Peak	74	Pass
GFSK	2406	Ant2	2390	-59.66	2	37.6	Average	54	Pass
GFSK	2478	Ant2	2483.5	-48	2	49.26	Peak	74	Pass
GFSK	2478	Ant2	2483.5	-57.96	2	39.3	Average	54	Pass
GFSK	2478	Ant2	2485.154	-47.53	2	49.73	Peak	74	Pass
GFSK	2478	Ant2	2483.516	-57.96	2	39.3	Average	54	Pass
GFSK	2478	Ant2	2500	-49.7	2	47.56	Peak	74	Pass
GFSK	2478	Ant2	2500	-59.09	2	38.17	Average	54	Pass

7.2 Test Graphs









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