



Appendix B

RF Test Data for 2.4G (Conducted Measurement)

Product Name: USB Dongle

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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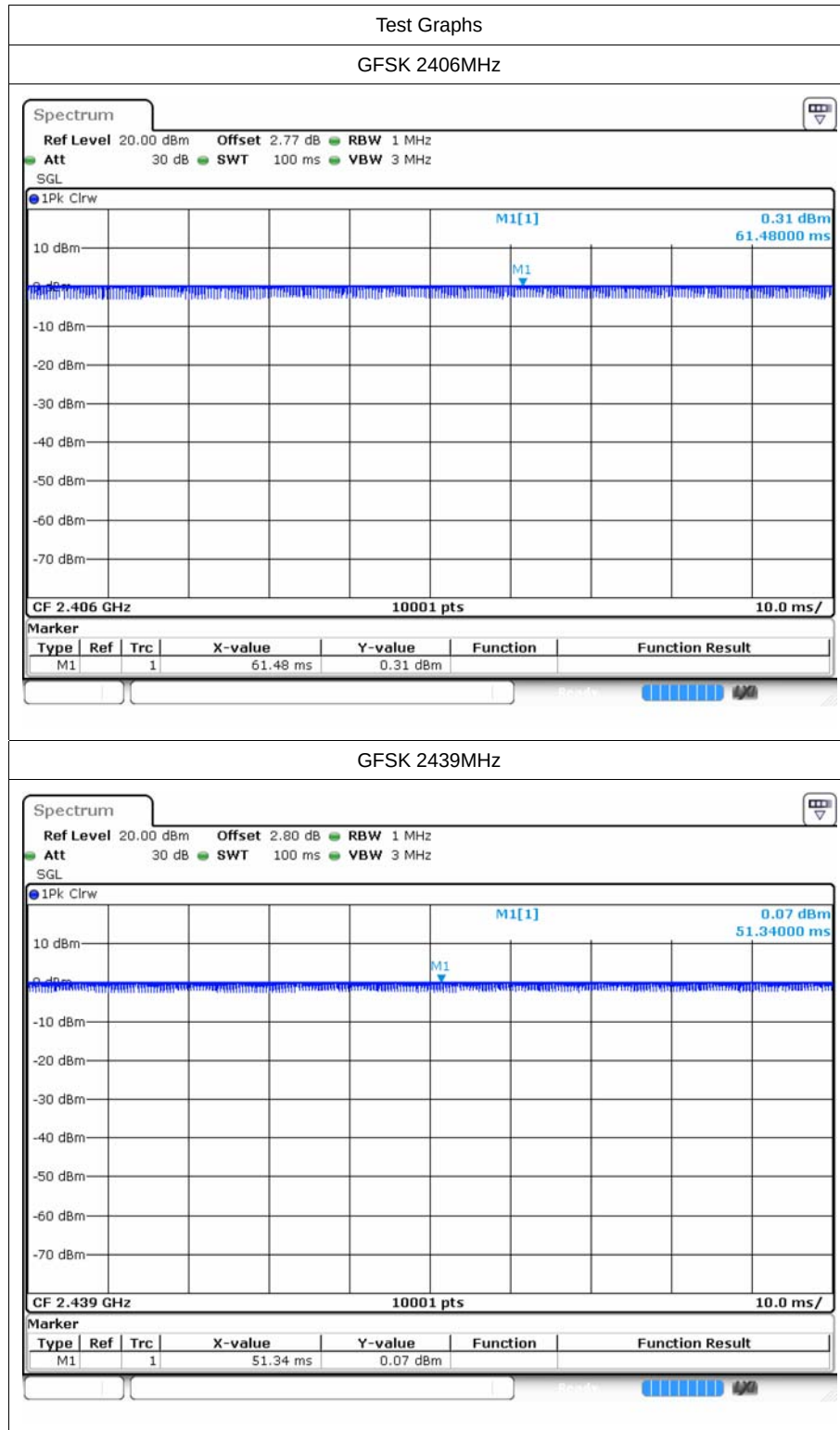


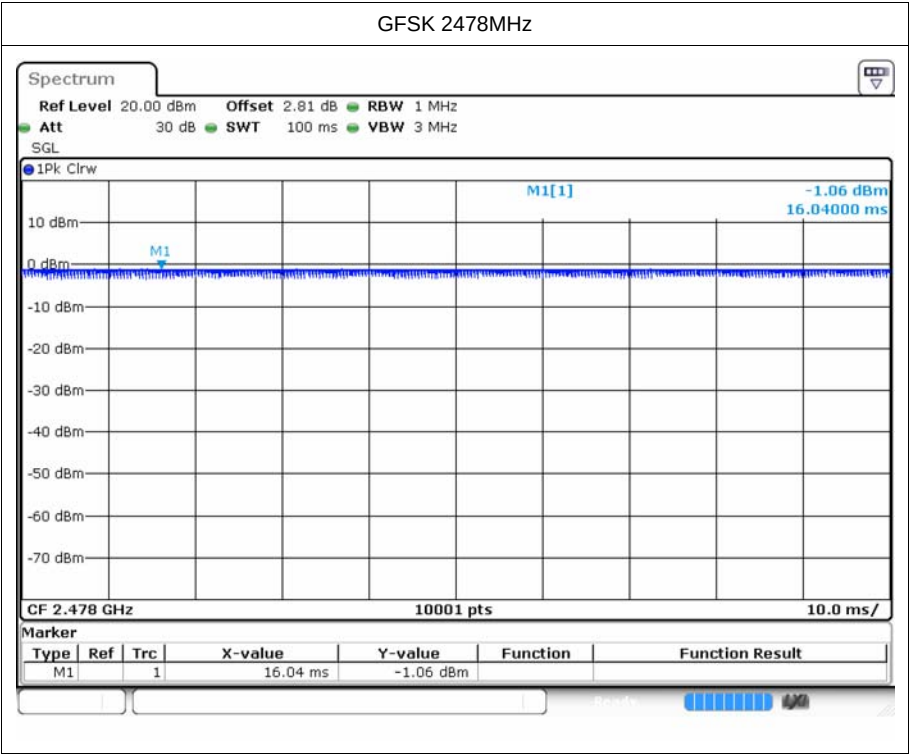
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
GFSK	2406	100	0
GFSK	2439	100	0
GFSK	2478	100	0

1.2 Test Graphs





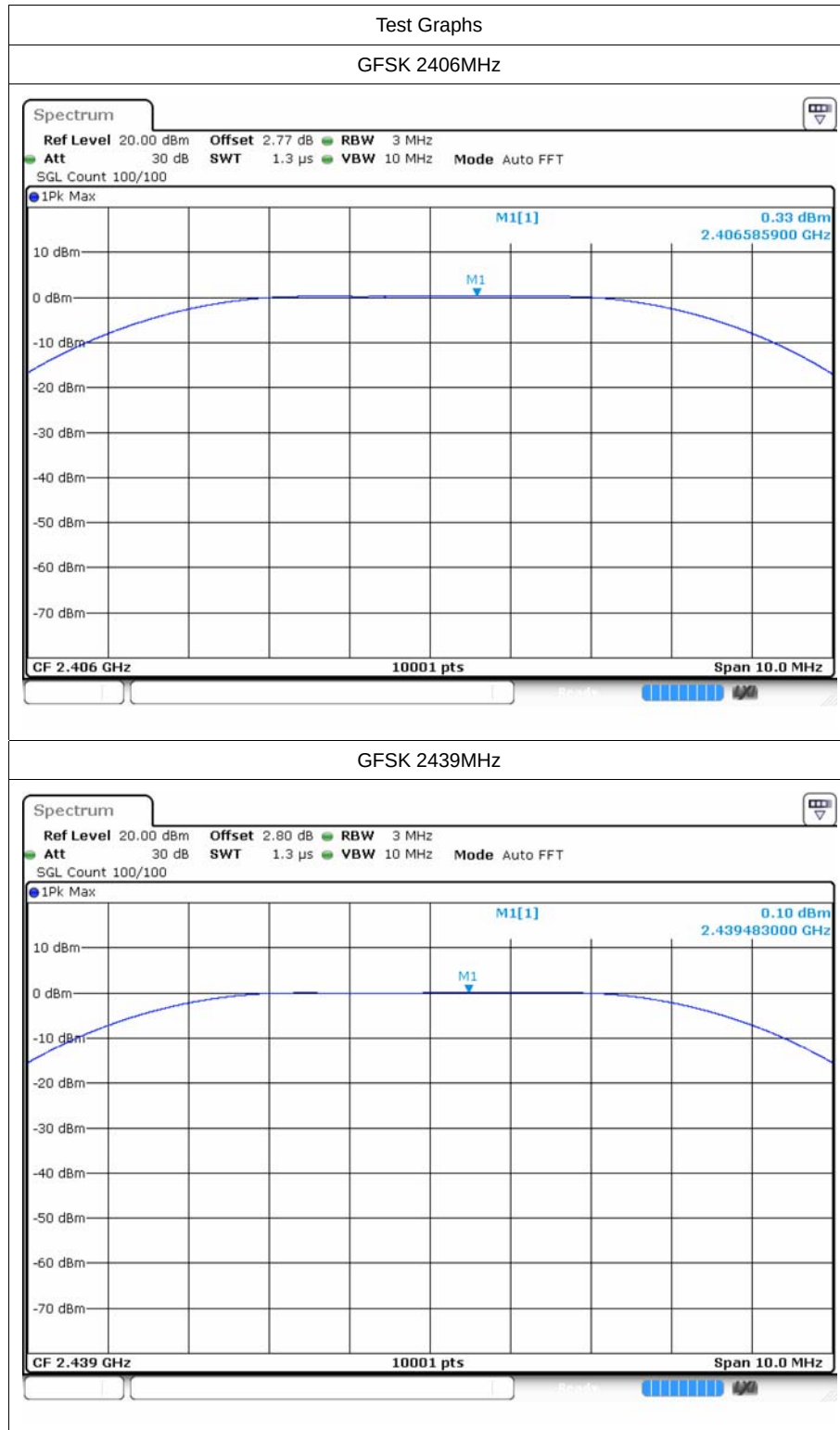


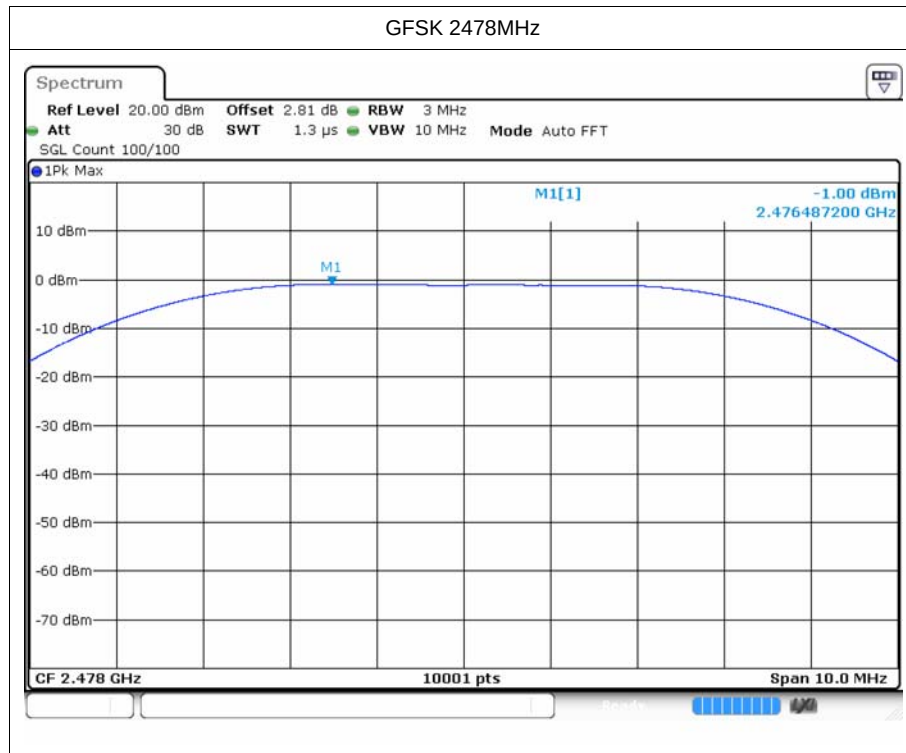
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
GFSK	2406	0.33	30	Pass
GFSK	2439	0.1	30	Pass
GFSK	2478	-1	30	Pass

2.2 Test Graphs





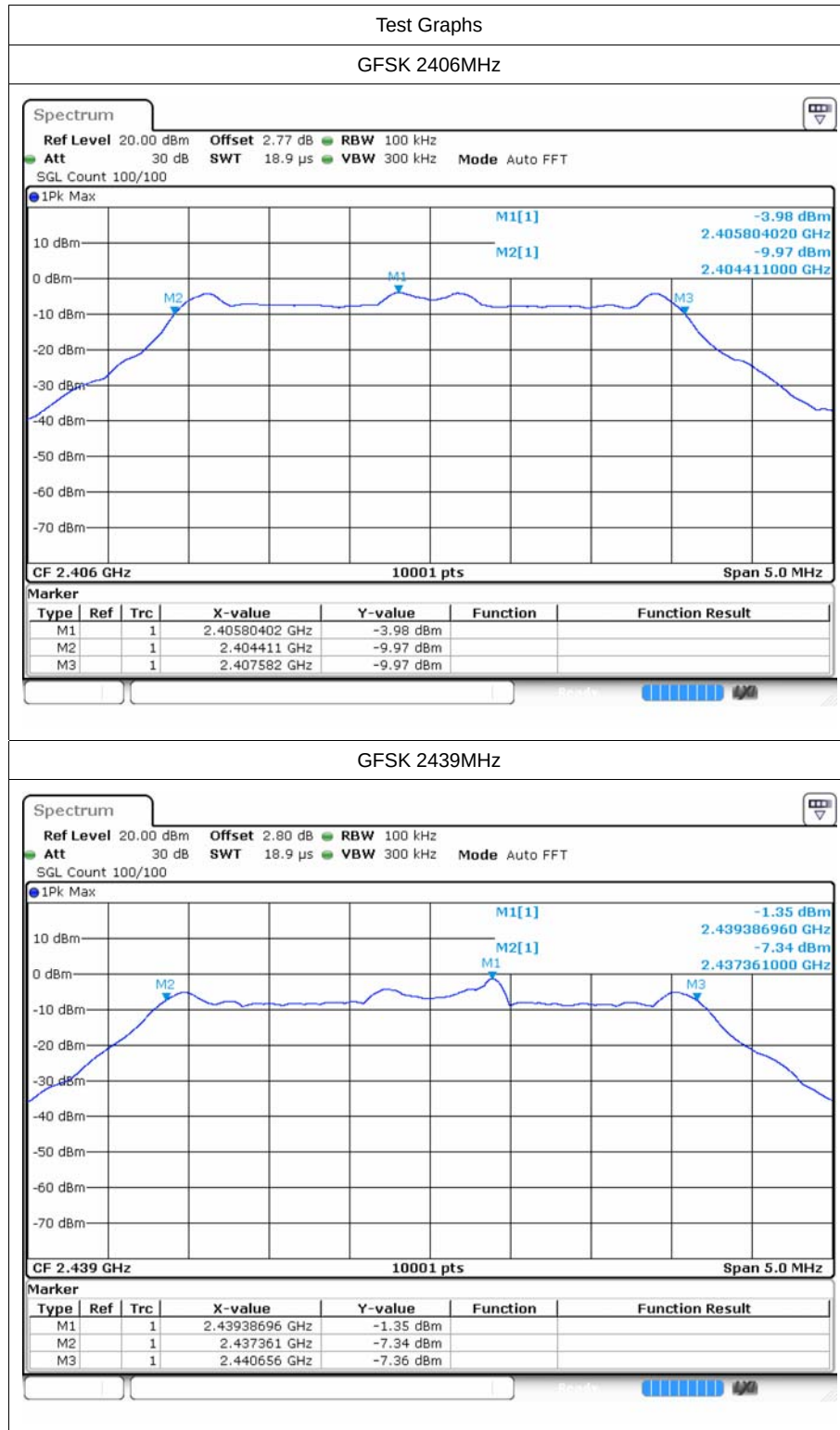


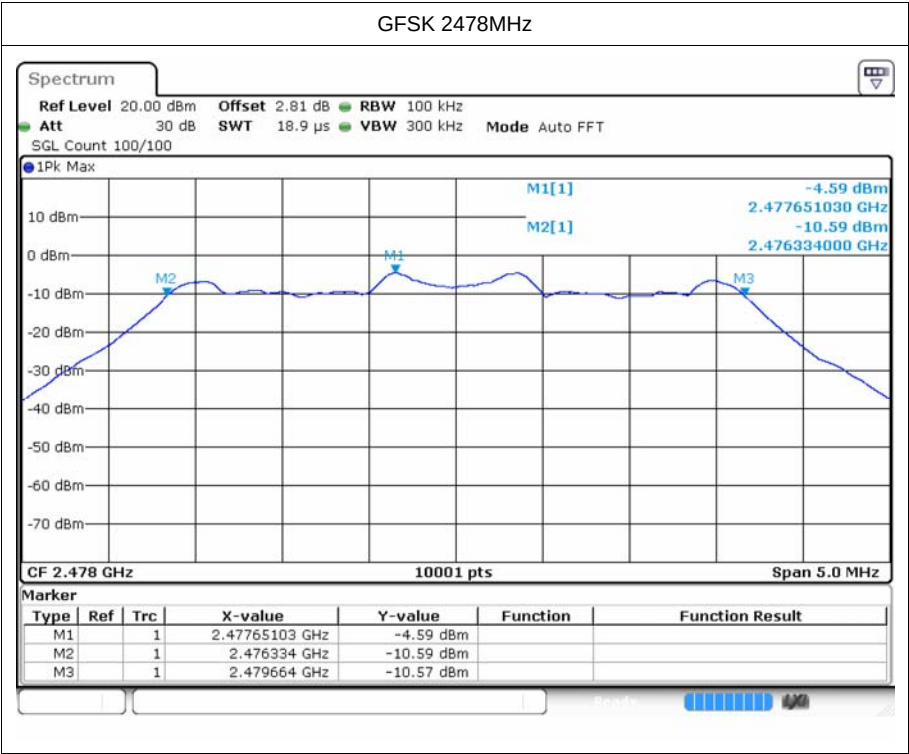
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
GFSK	2406	3.171	0.5	Pass
GFSK	2439	3.294	0.5	Pass
GFSK	2478	3.33	0.5	Pass

3.2 Test Graphs





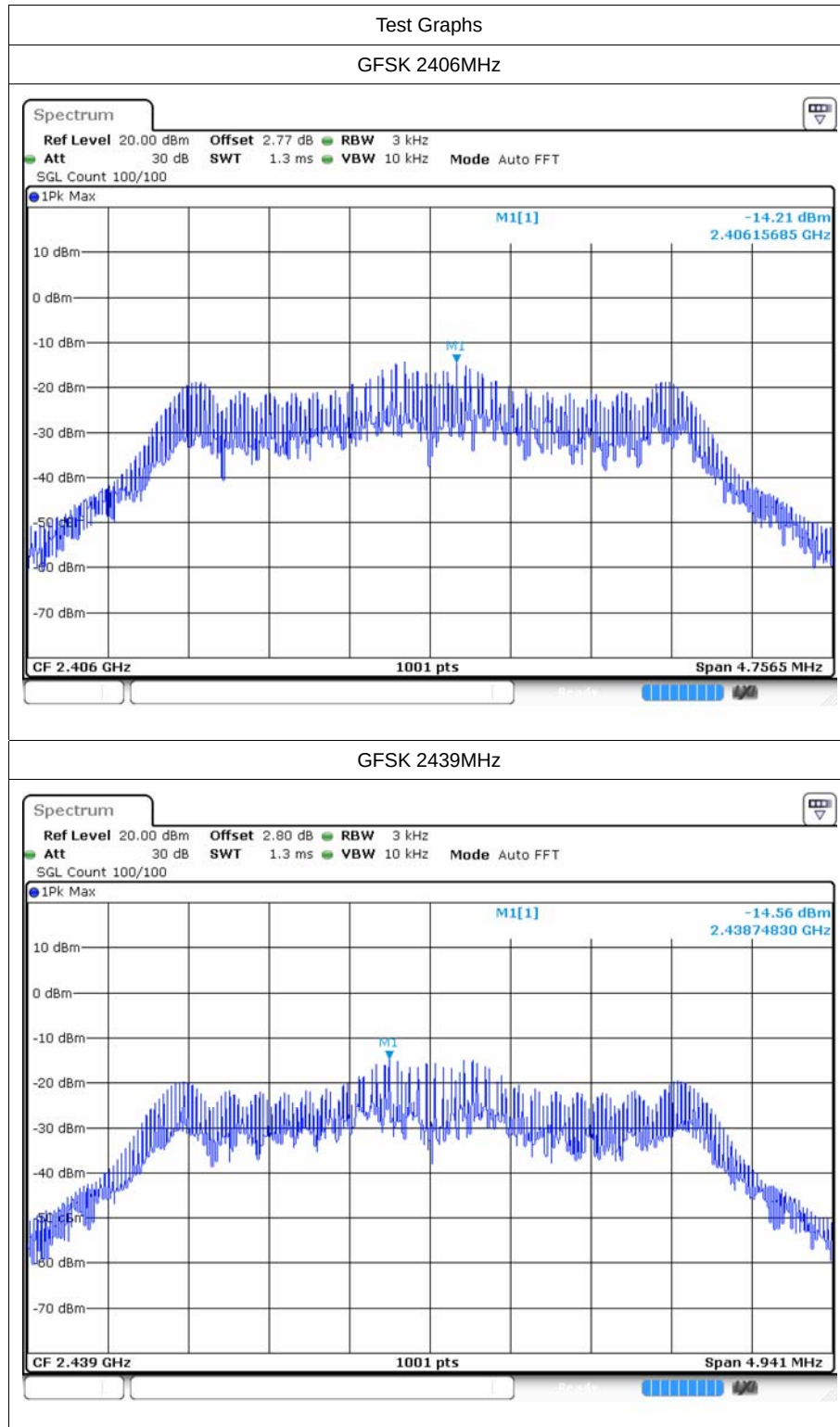


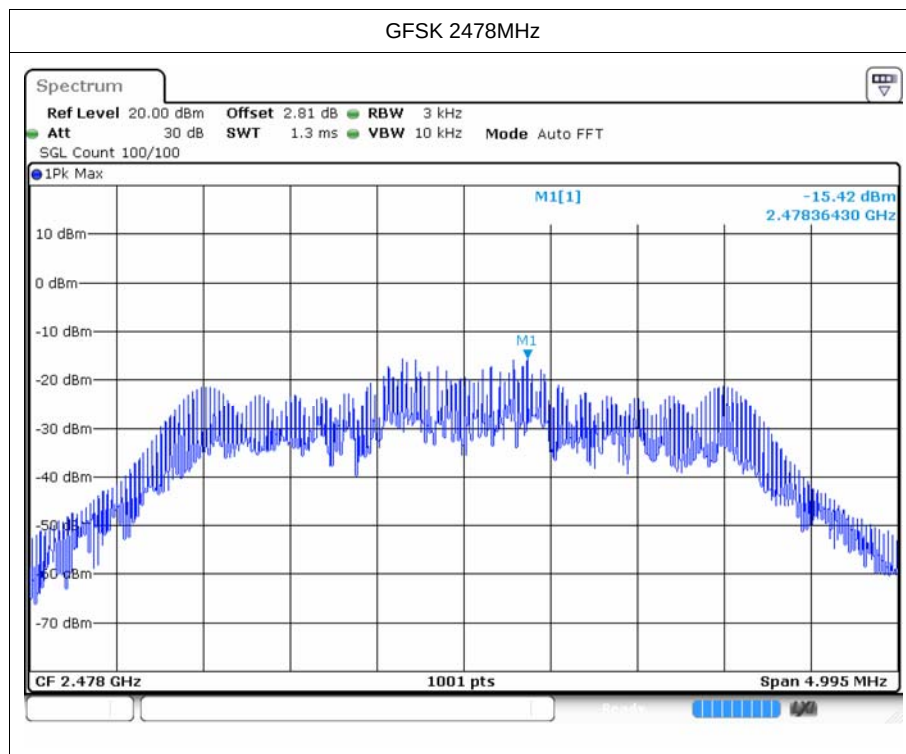
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
GFSK	2406	-14.21	≤ 8	Pass
GFSK	2439	-14.56	≤ 8	Pass
GFSK	2478	-15.42	≤ 8	Pass

4.2 Test Graphs





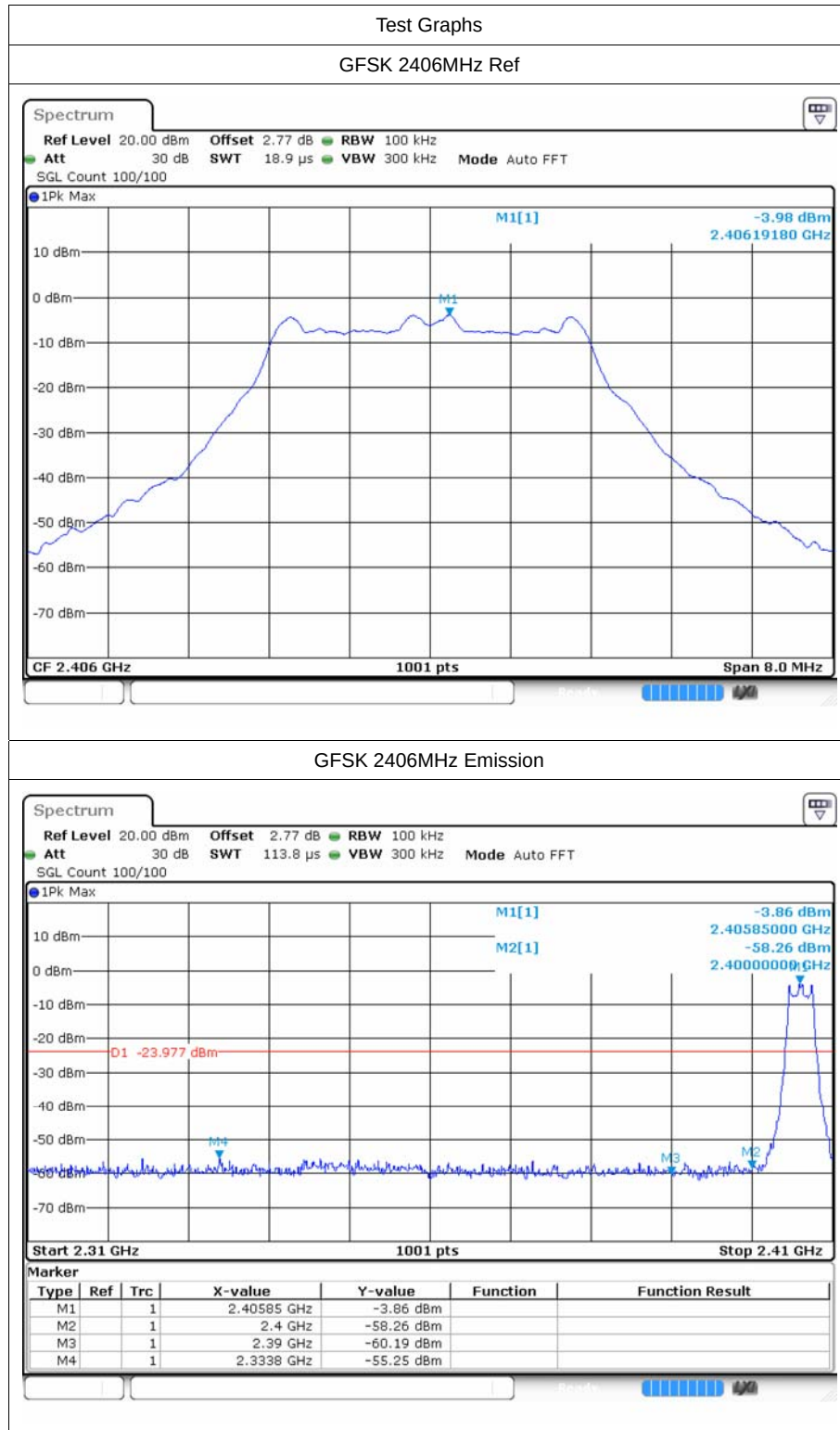


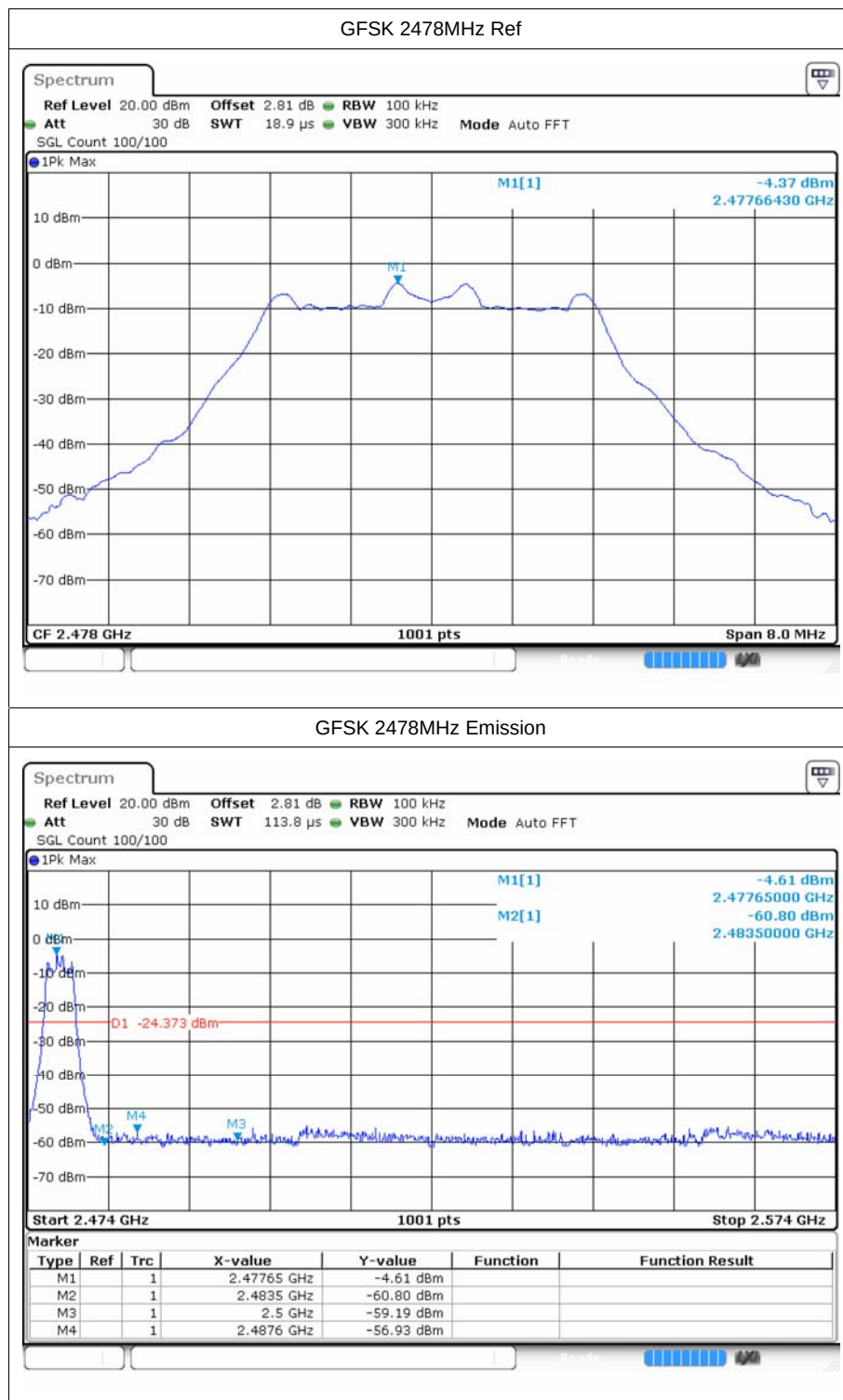
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2406	-51.26	-20	Pass
GFSK	2478	-52.56	-20	Pass

5.2 Test Graphs





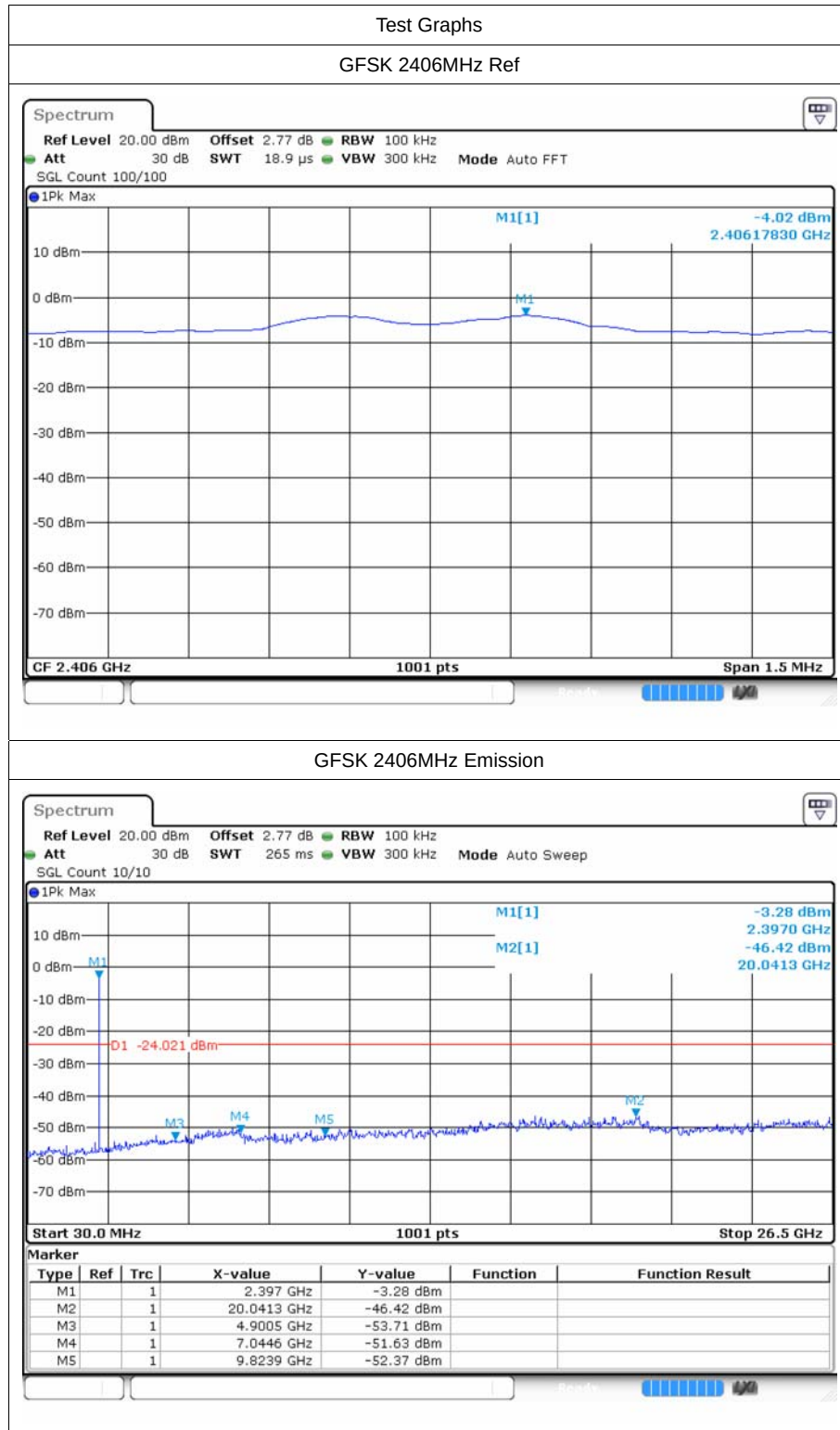


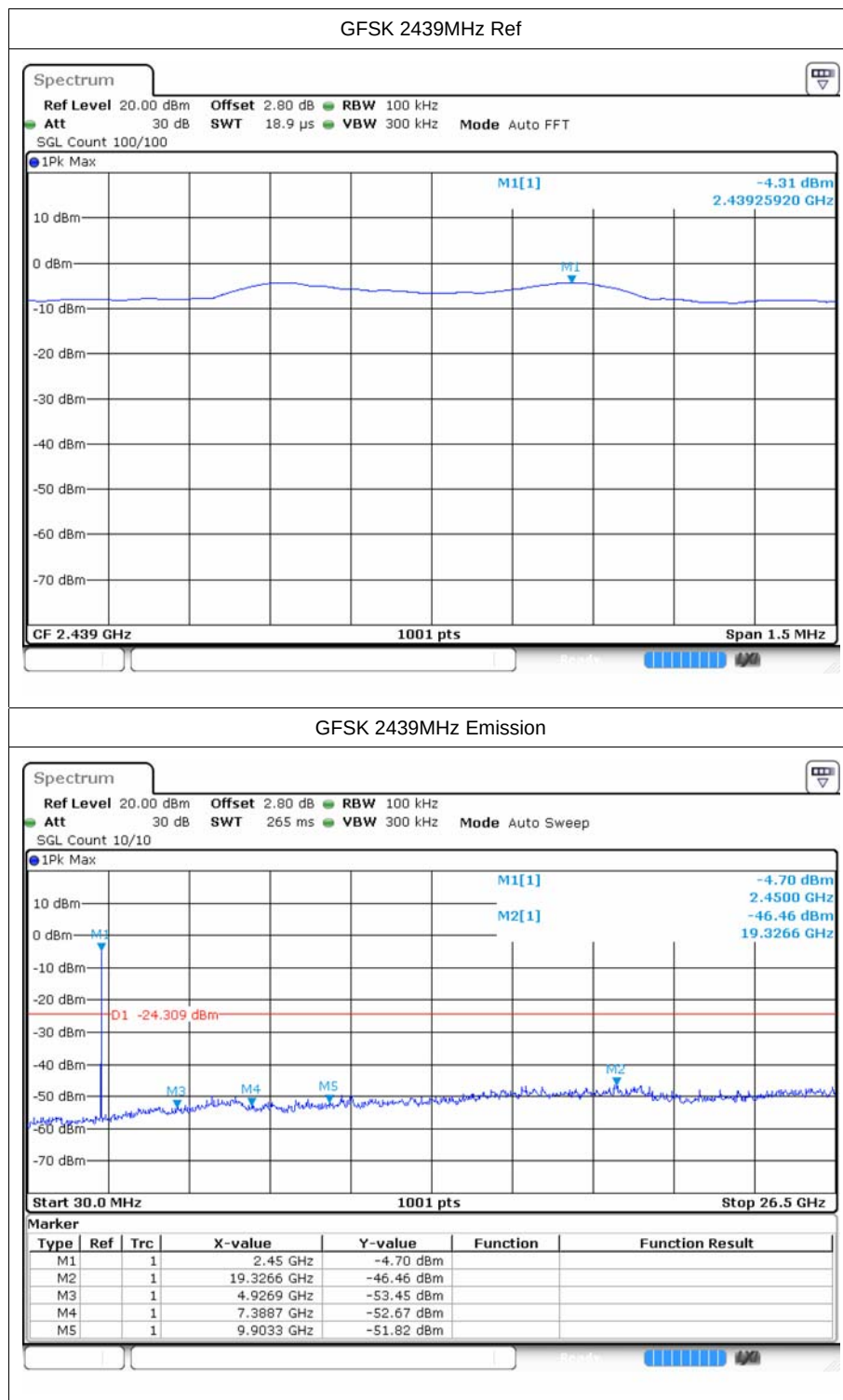
6 Conducted RF Spurious Emission

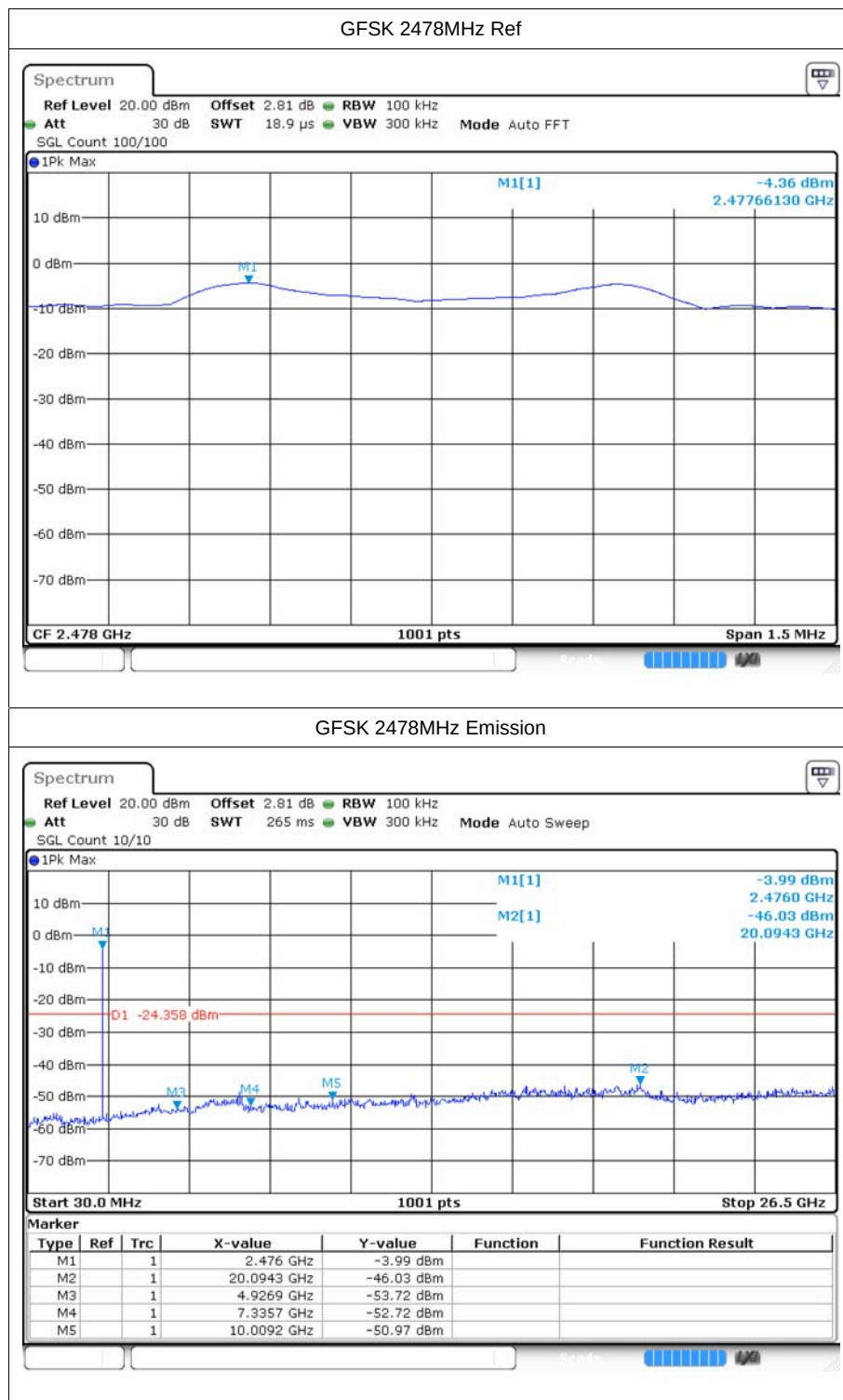
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
GFSK	2406	-42.39	-20	Pass
GFSK	2439	-42.14	-20	Pass
GFSK	2478	-41.67	-20	Pass

6.2 Test Graphs







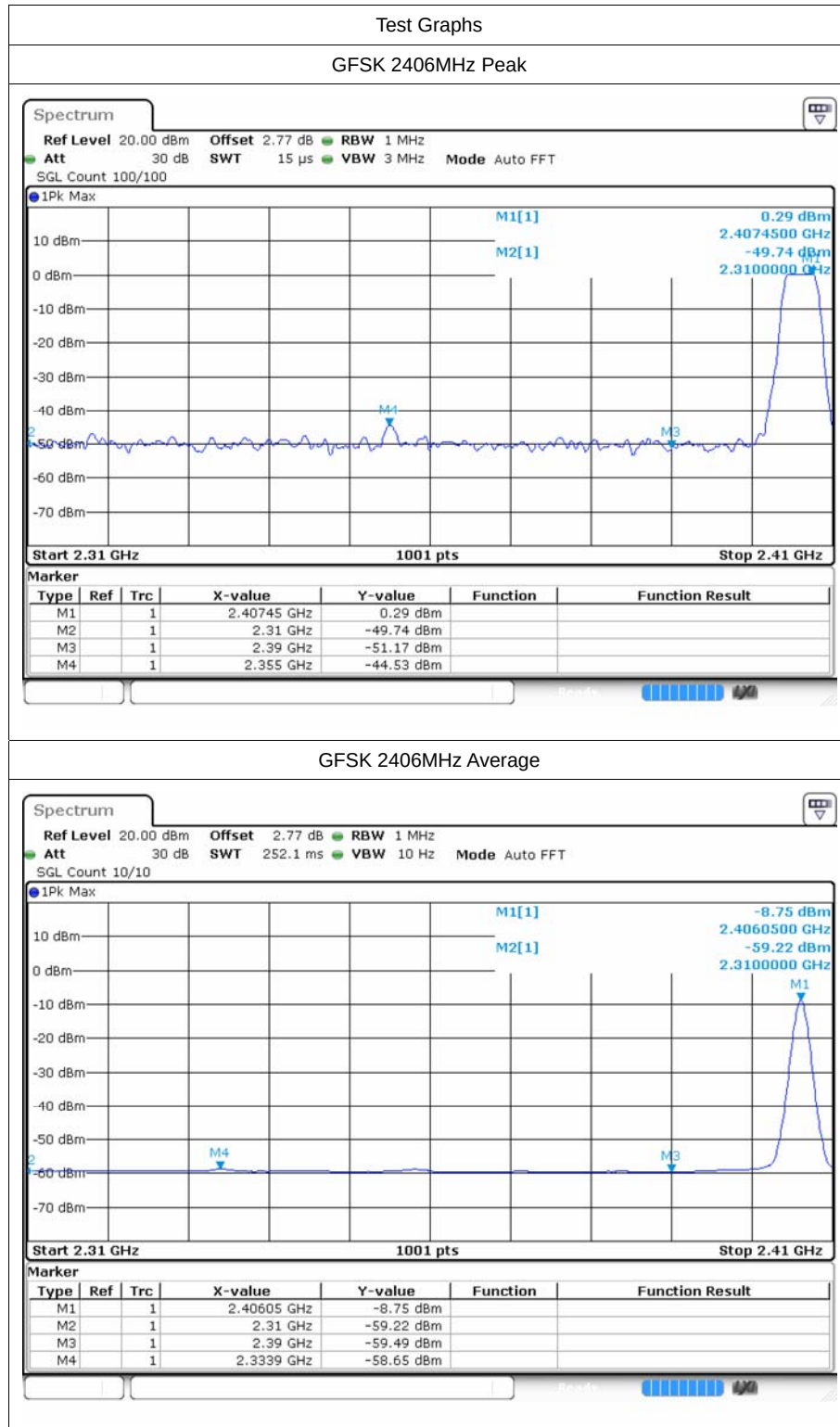


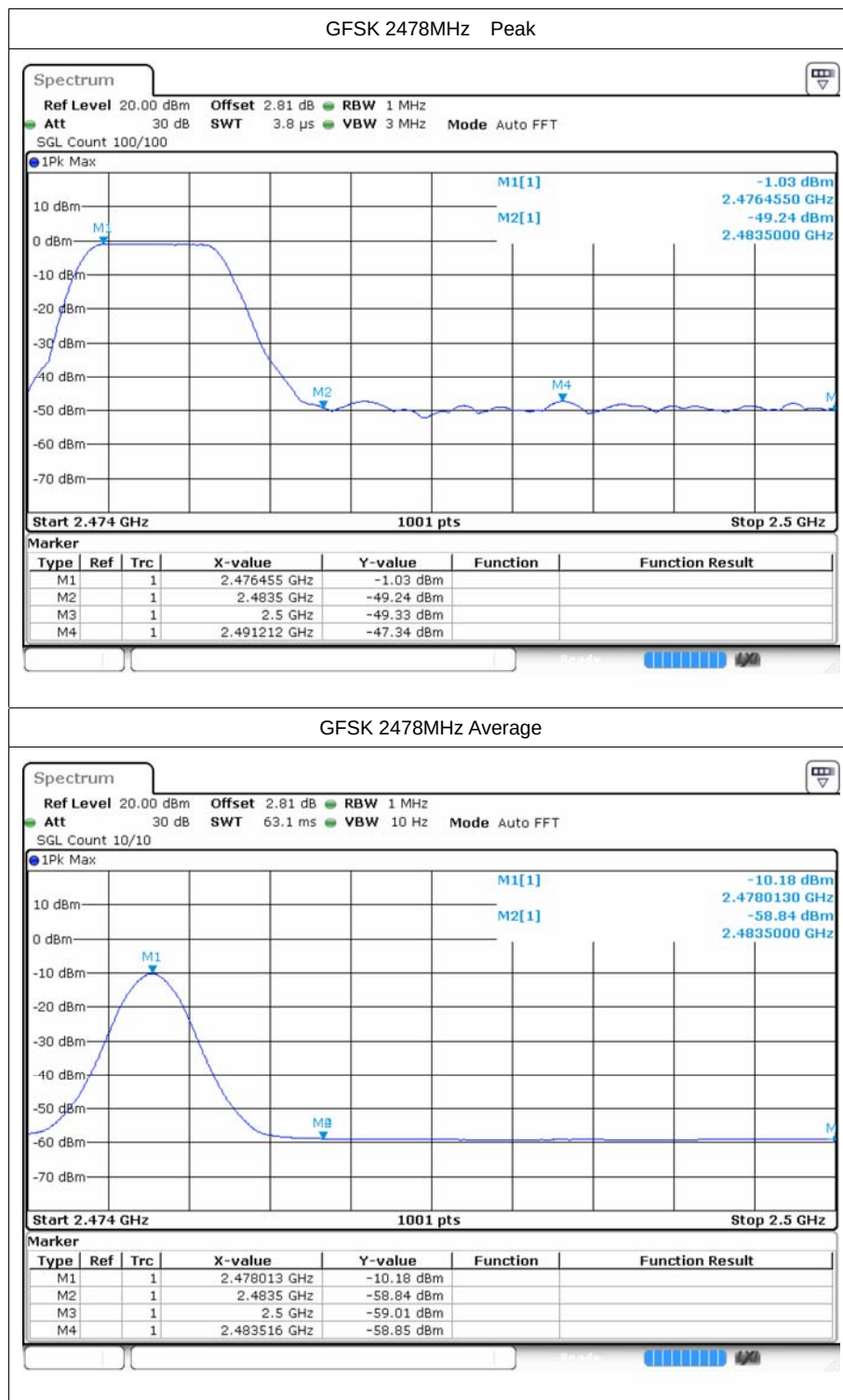
7 Restrict Band

7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
GFSK	2406	2310	-49.73	2	47.53	Peak	74	Pass
GFSK	2406	2310	-59.21	2	38.05	Average	54	Pass
GFSK	2406	2355	-44.53	2	52.73	Peak	74	Pass
GFSK	2406	2333.9	-58.64	2	38.62	Average	54	Pass
GFSK	2406	2390	-51.17	2	46.09	Peak	74	Pass
GFSK	2406	2390	-59.49	2	37.77	Average	54	Pass
GFSK	2478	2483.5	-49.35	2	47.91	Peak	74	Pass
GFSK	2478	2483.5	-58.84	2	38.42	Average	54	Pass
GFSK	2478	2491.212	-47.33	2	49.93	Peak	74	Pass
GFSK	2478	2483.516	-58.84	2	38.42	Average	54	Pass
GFSK	2478	2500	-49.33	2	47.93	Peak	74	Pass
GFSK	2478	2500	-59	2	38.26	Average	54	Pass

7.2 Test Graphs





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