



Appendix A

RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: 34 Keys Numeric Keypad

Trade Mark: N/A

Test Model: BT181

Environmental Conditions

Temperature:	18.5°C
Relative Humidity:	51.0%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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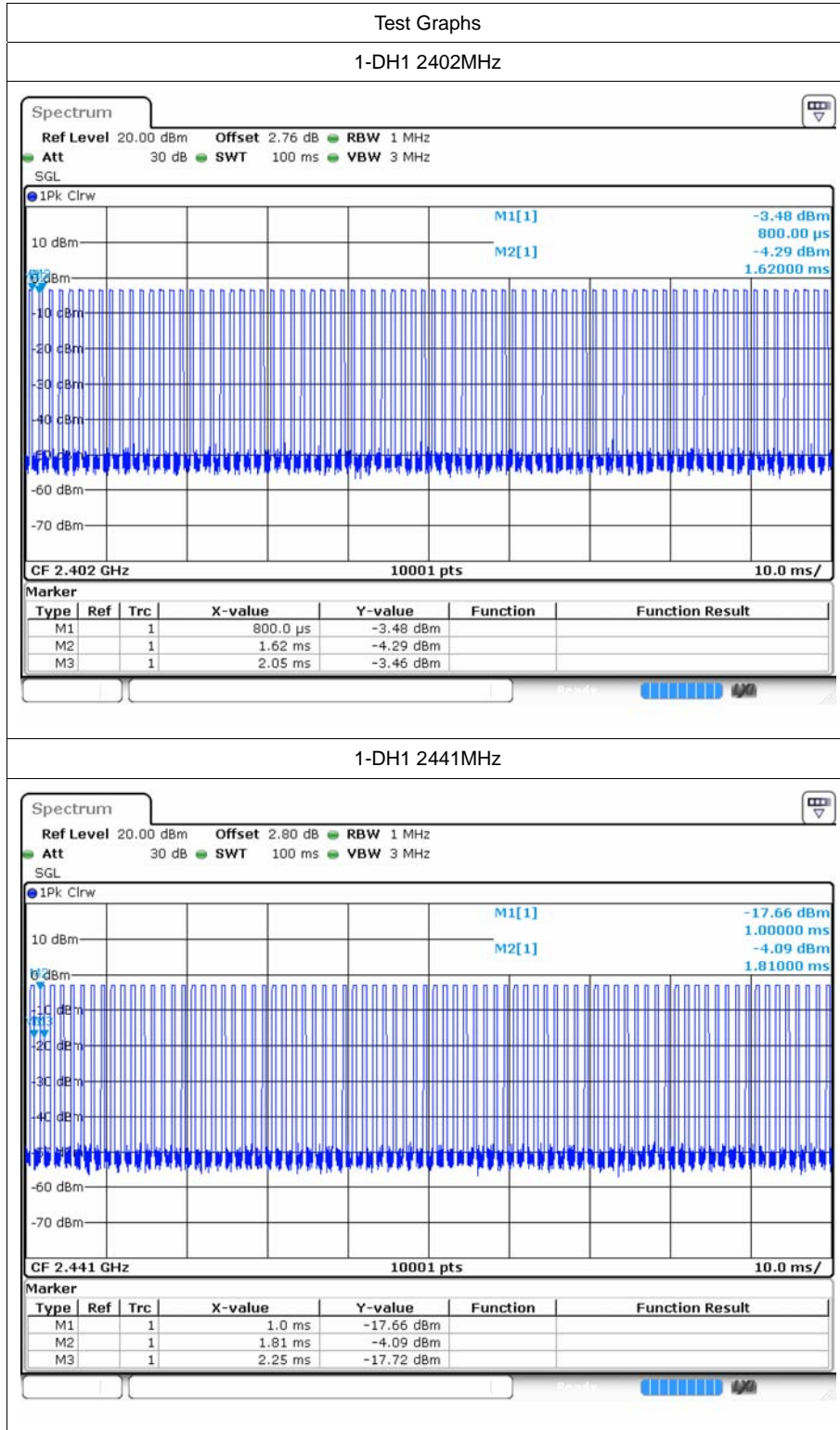


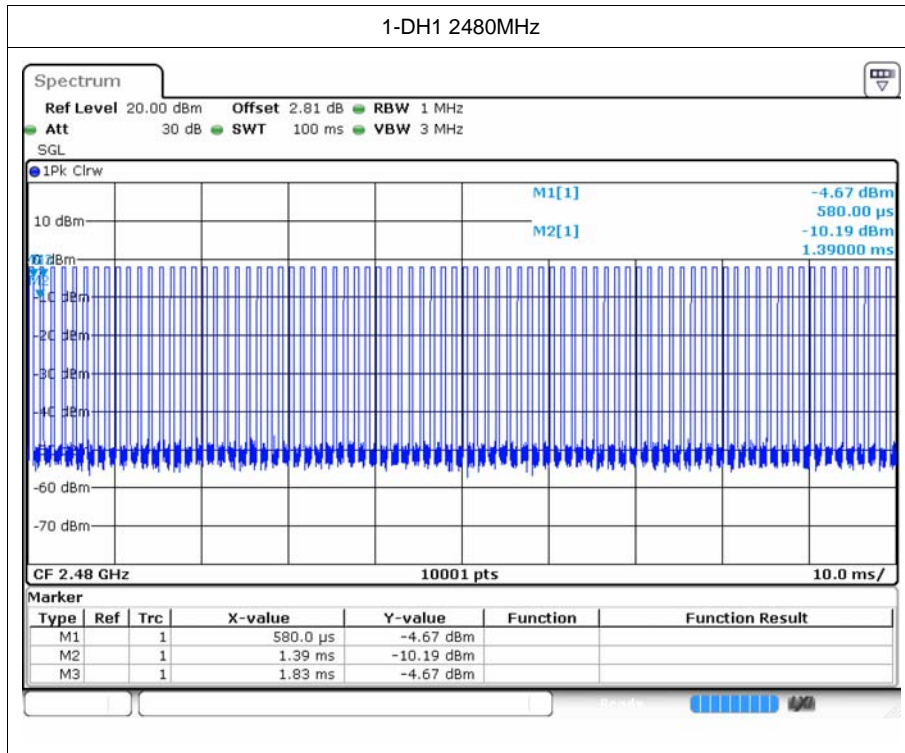
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	35.76	2.33
1-DH1	2441	36	2.27
1-DH1	2480	36	2.27

1.2 Test Graphs



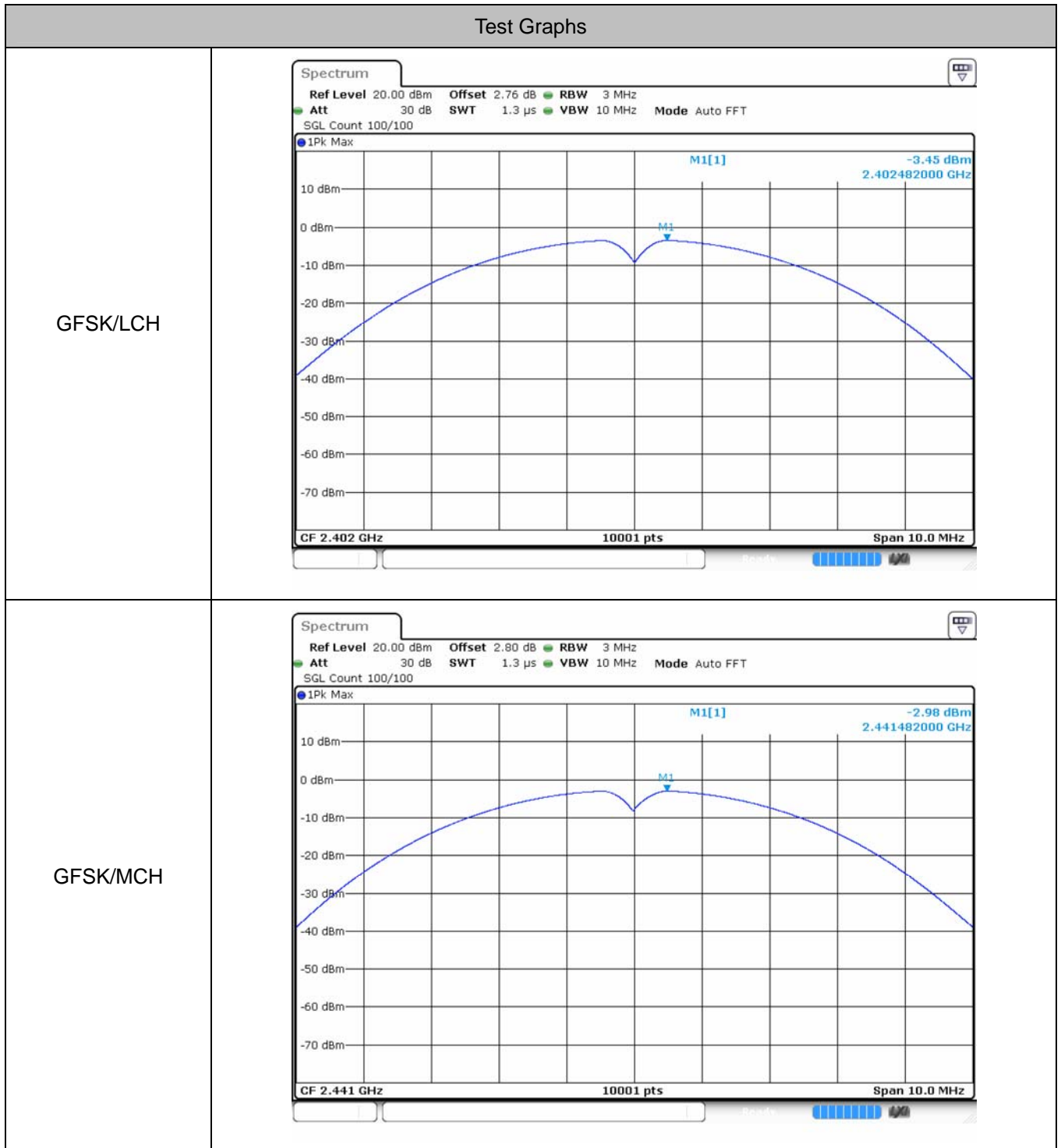


2 Maximum Conducted Peak Output Power

2.1 Test Result

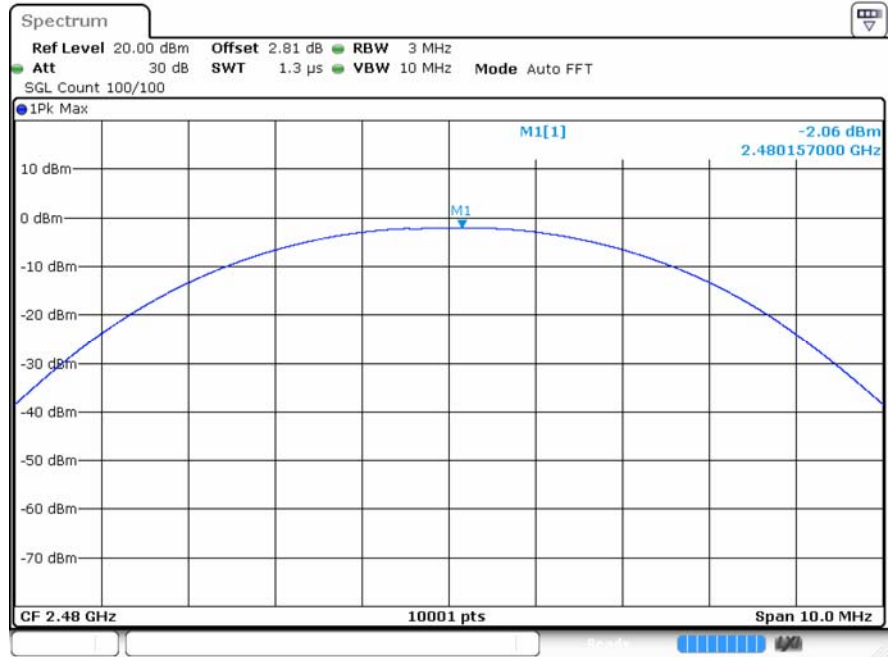
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-3.45	21	Pass
	MCH	-2.98	21	Pass
	HCH	-2.06	21	Pass

2.2 Test Graphs





GFSK/HCH

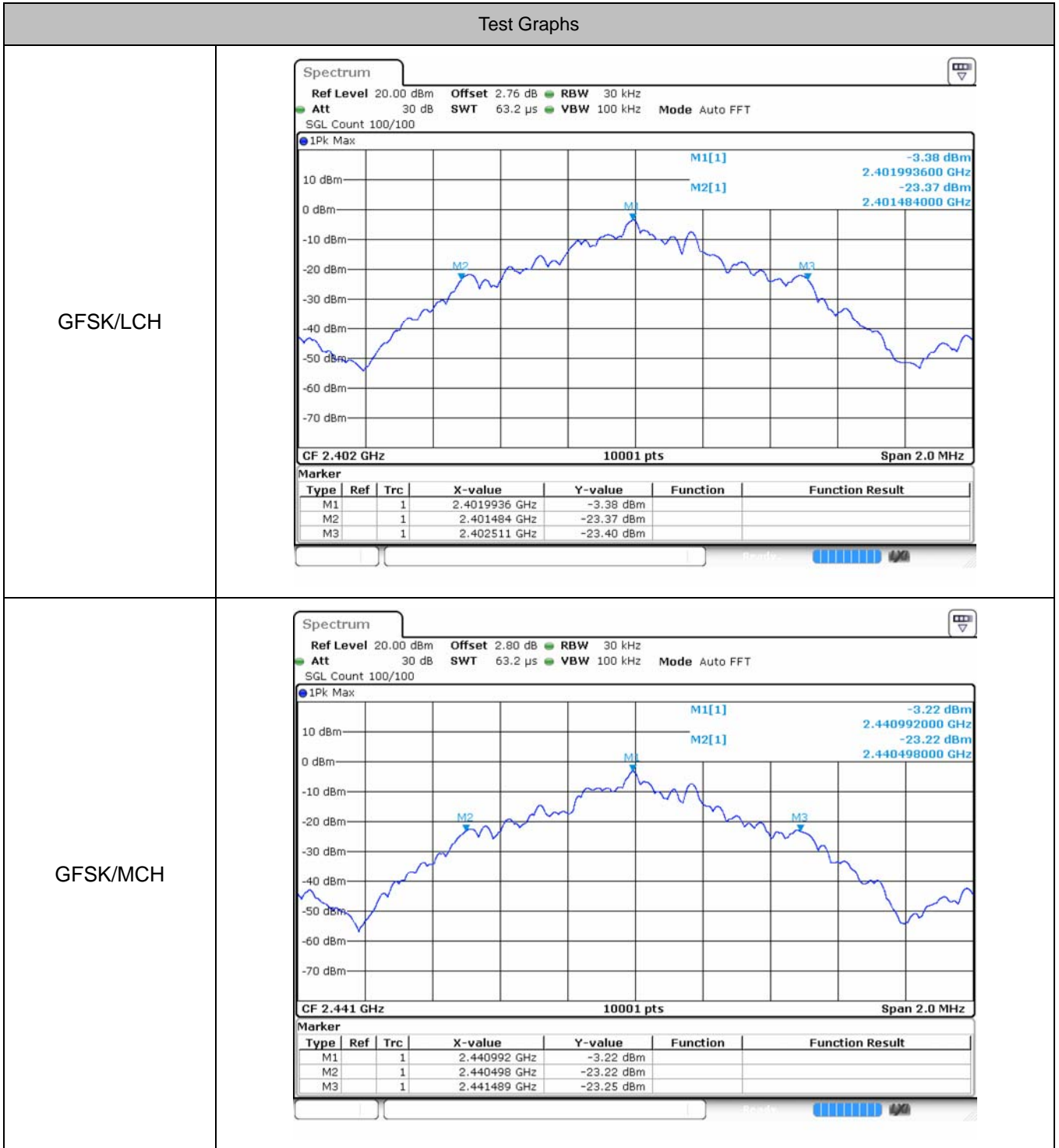


3 20dB Bandwidth

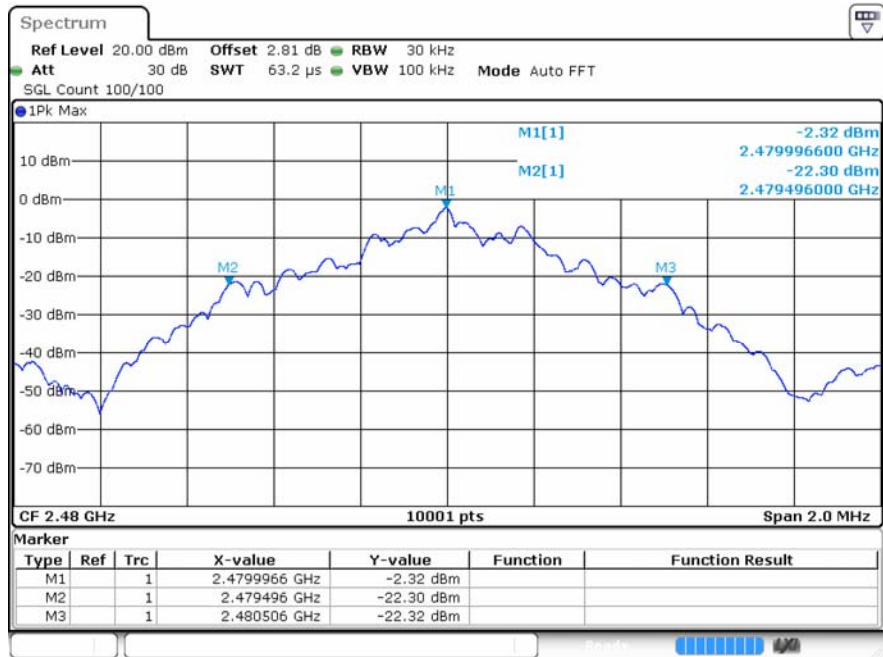
3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.027	Not Specified	Pass
	MCH	0.991	Not Specified	Pass
	HCH	1.01	Not Specified	Pass

3.2 Test Graphs



GFSK/HCH

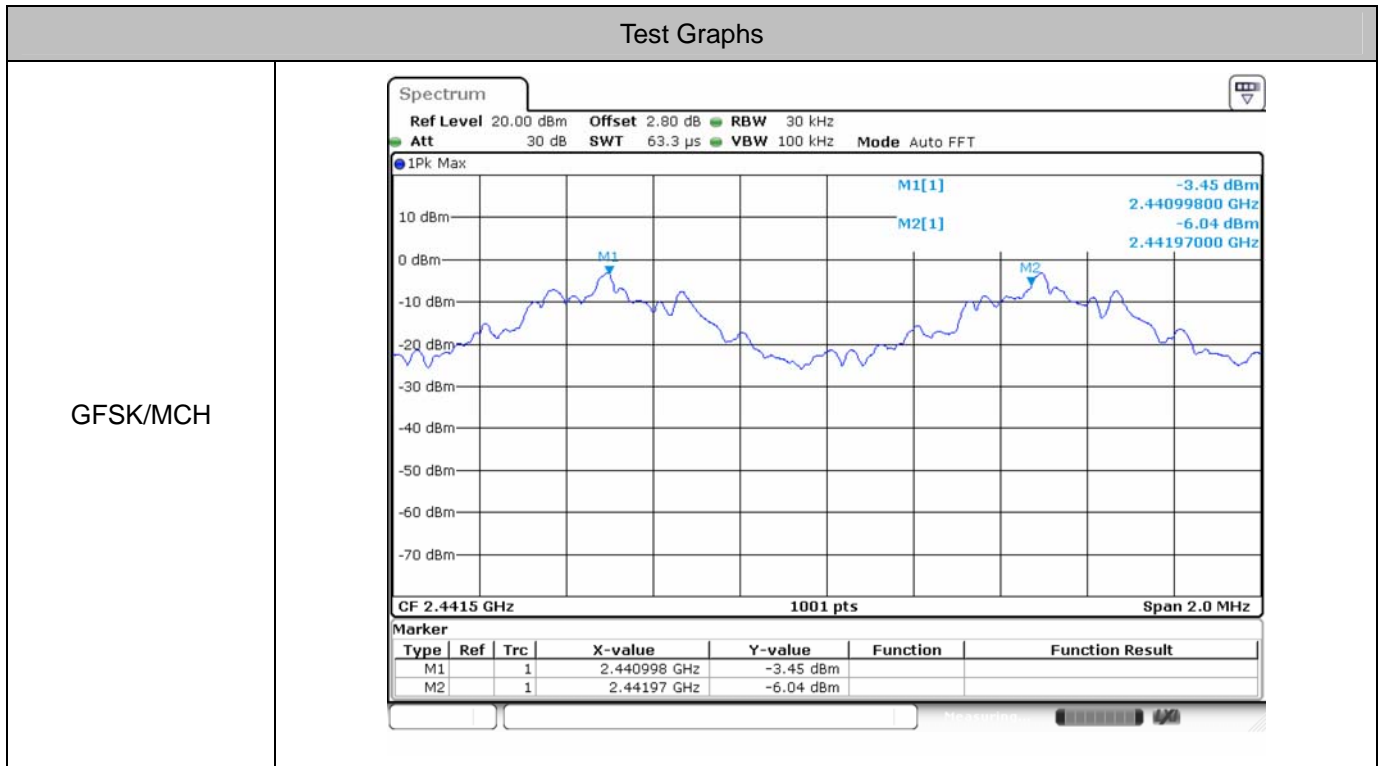


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.972	0.661	Pass

4.2 Test Graphs

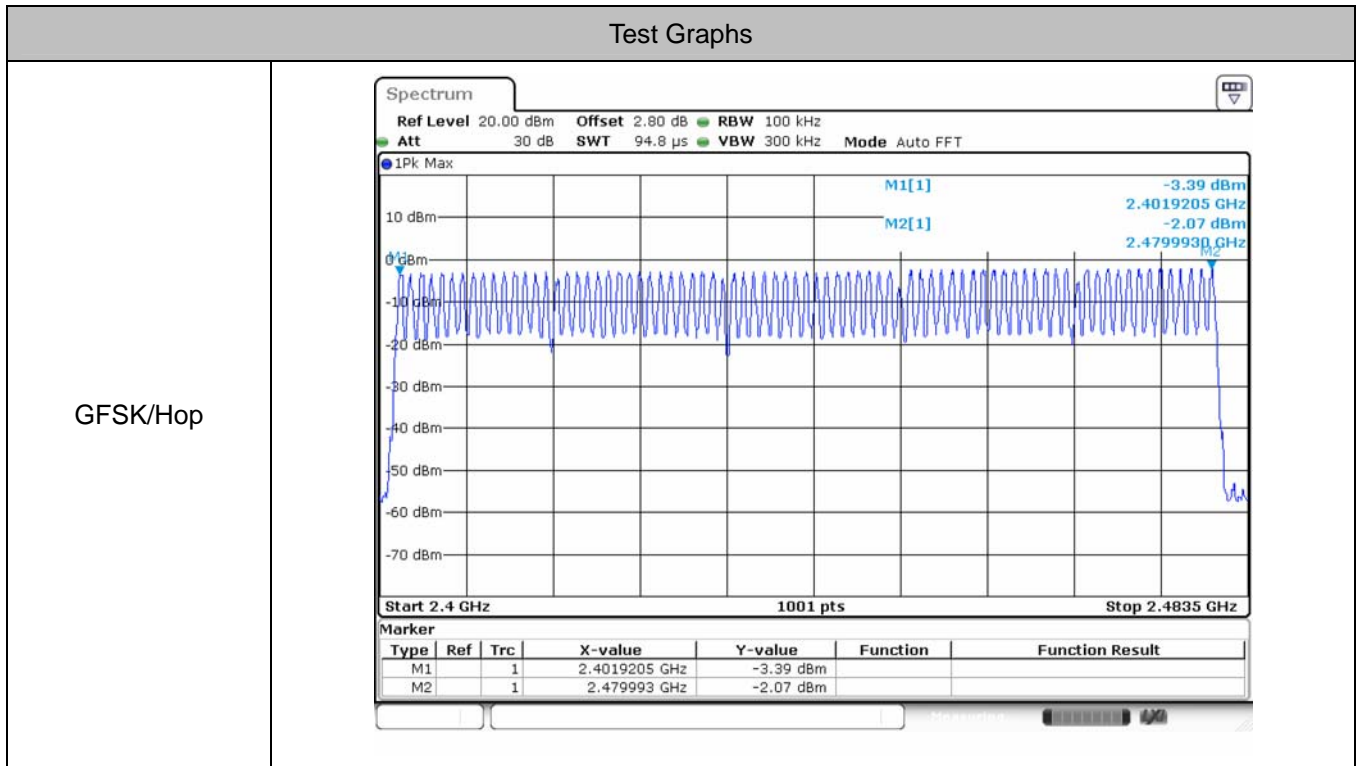


5 Hopping Channel Number

5.1 Test Result

Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	≥ 15	PASS

5.2 Test Graphs



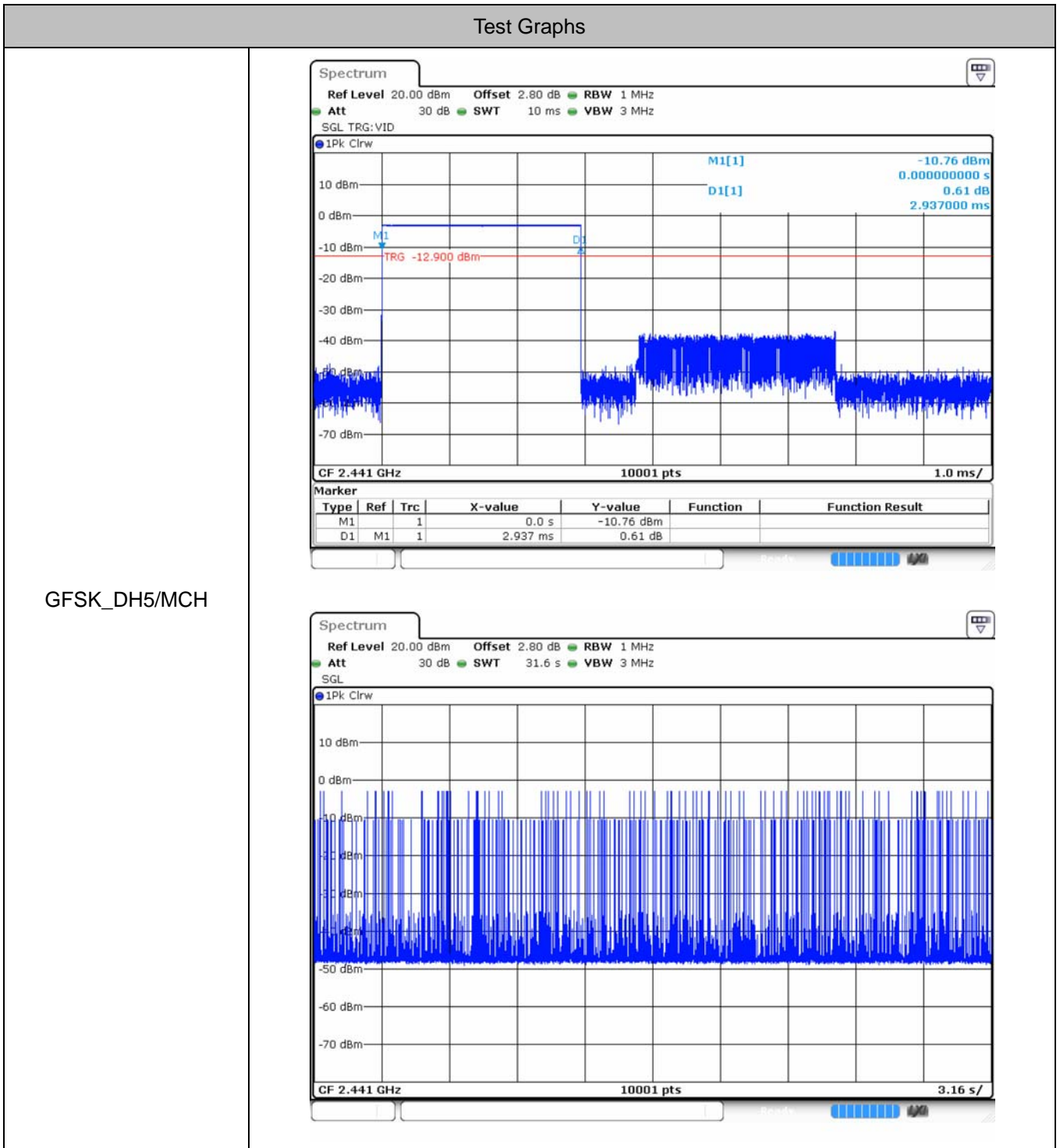


6 Dwell Time

6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.937	92	270.204	0.4	Pass

6.2 Test Graphs

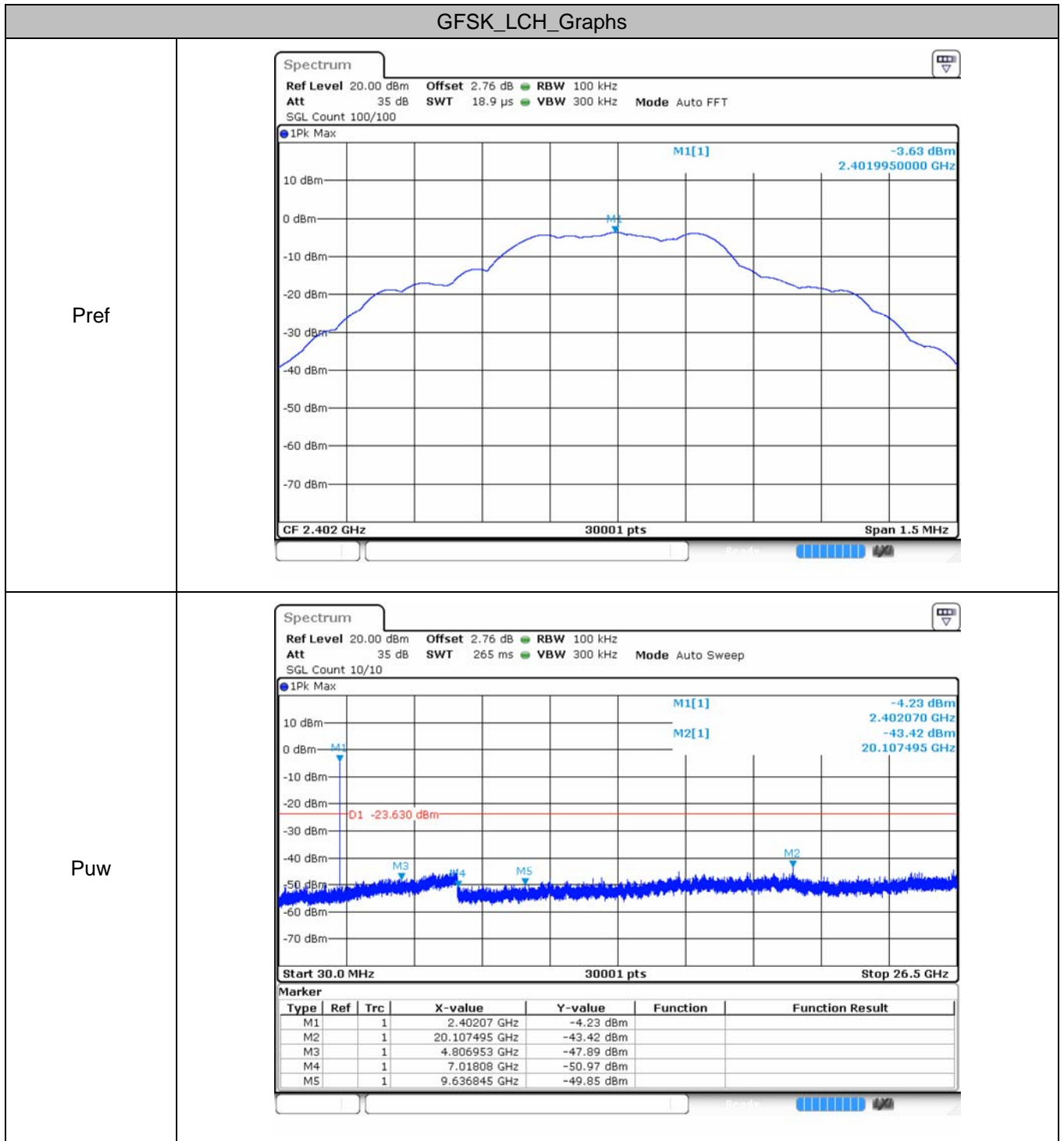


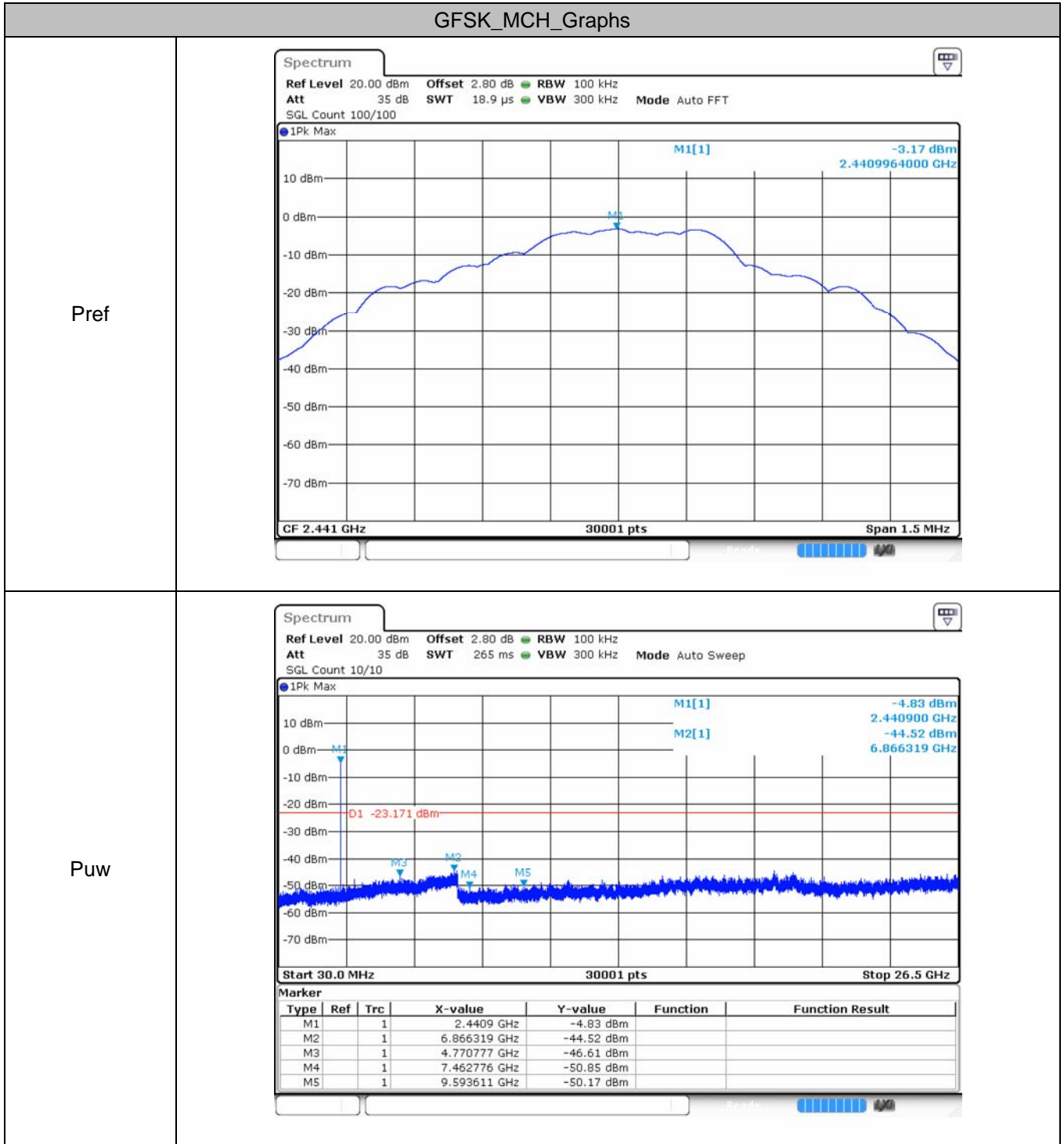
7 RF Conducted Spurious Emissions

7.1 Test Result

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-39.79	-20	Pass
	MCH	-41.34	-20	Pass
	HCH	-42.4	-20	Pass

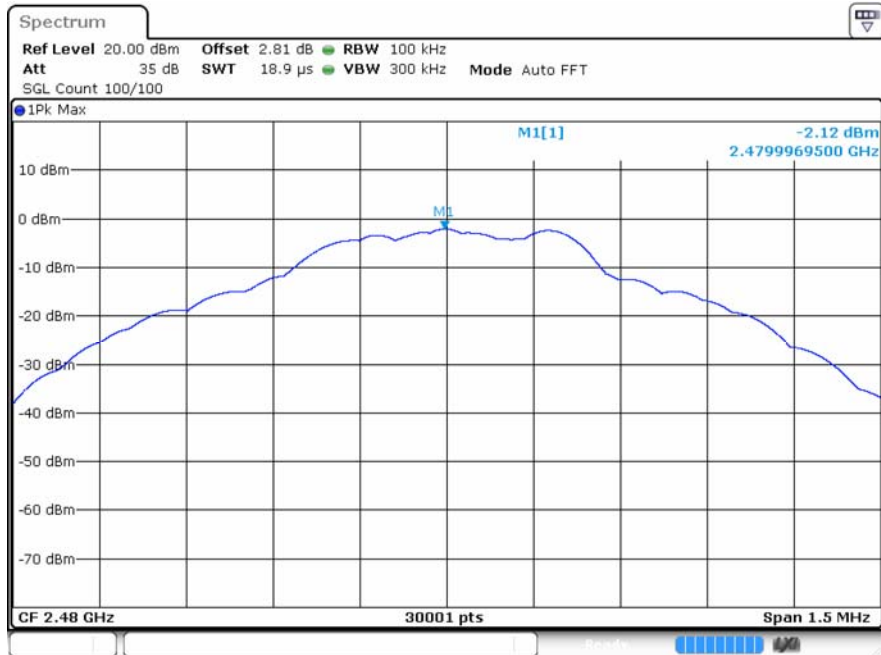
7.2 Test Graphs



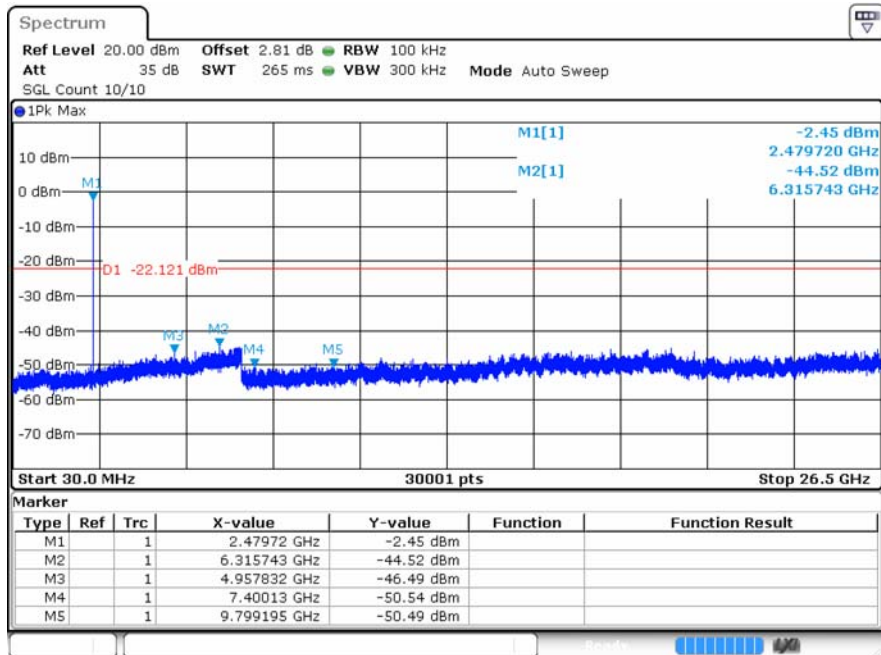


GFSK_HCH_Graphs

Pref



Puw

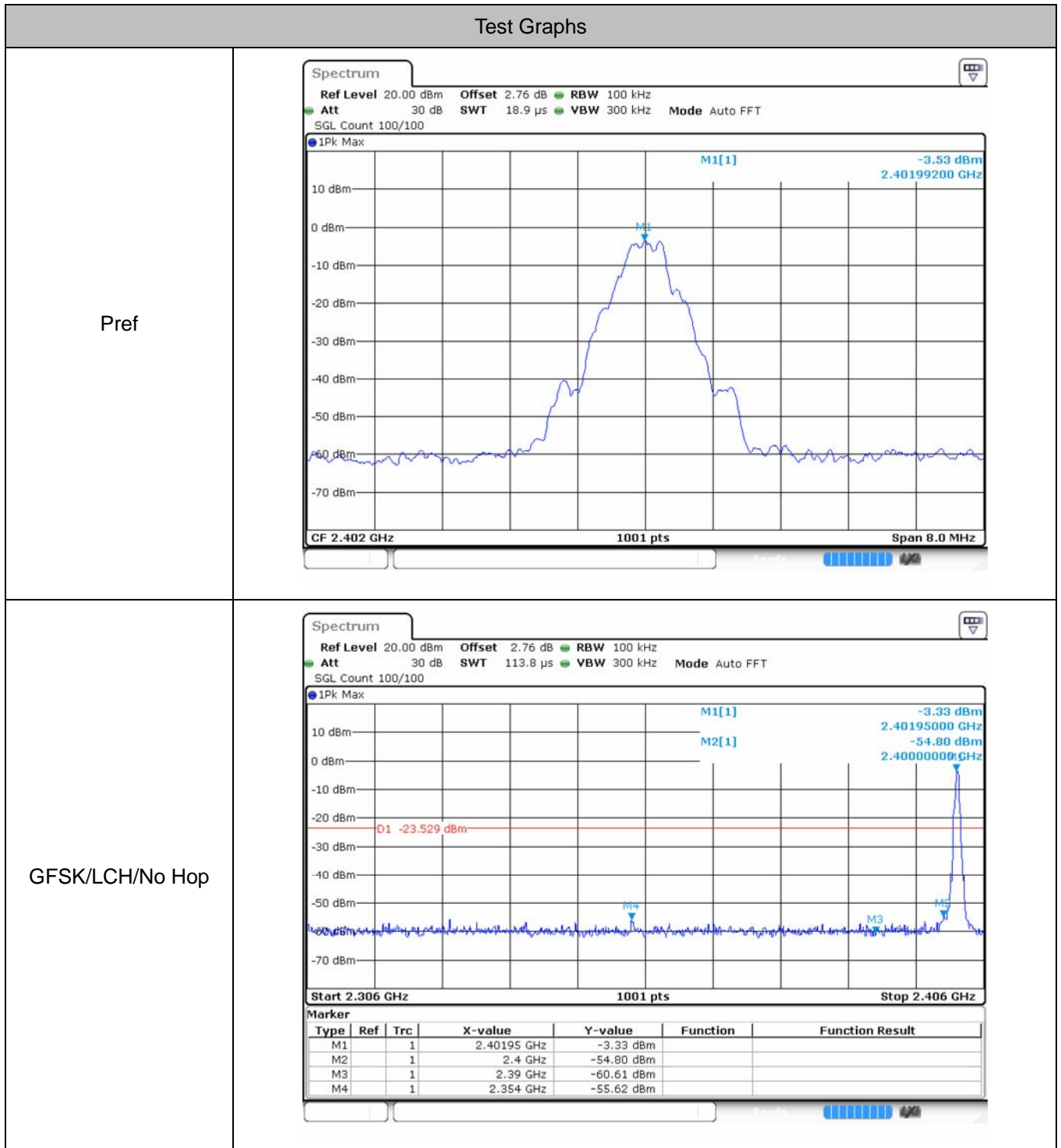


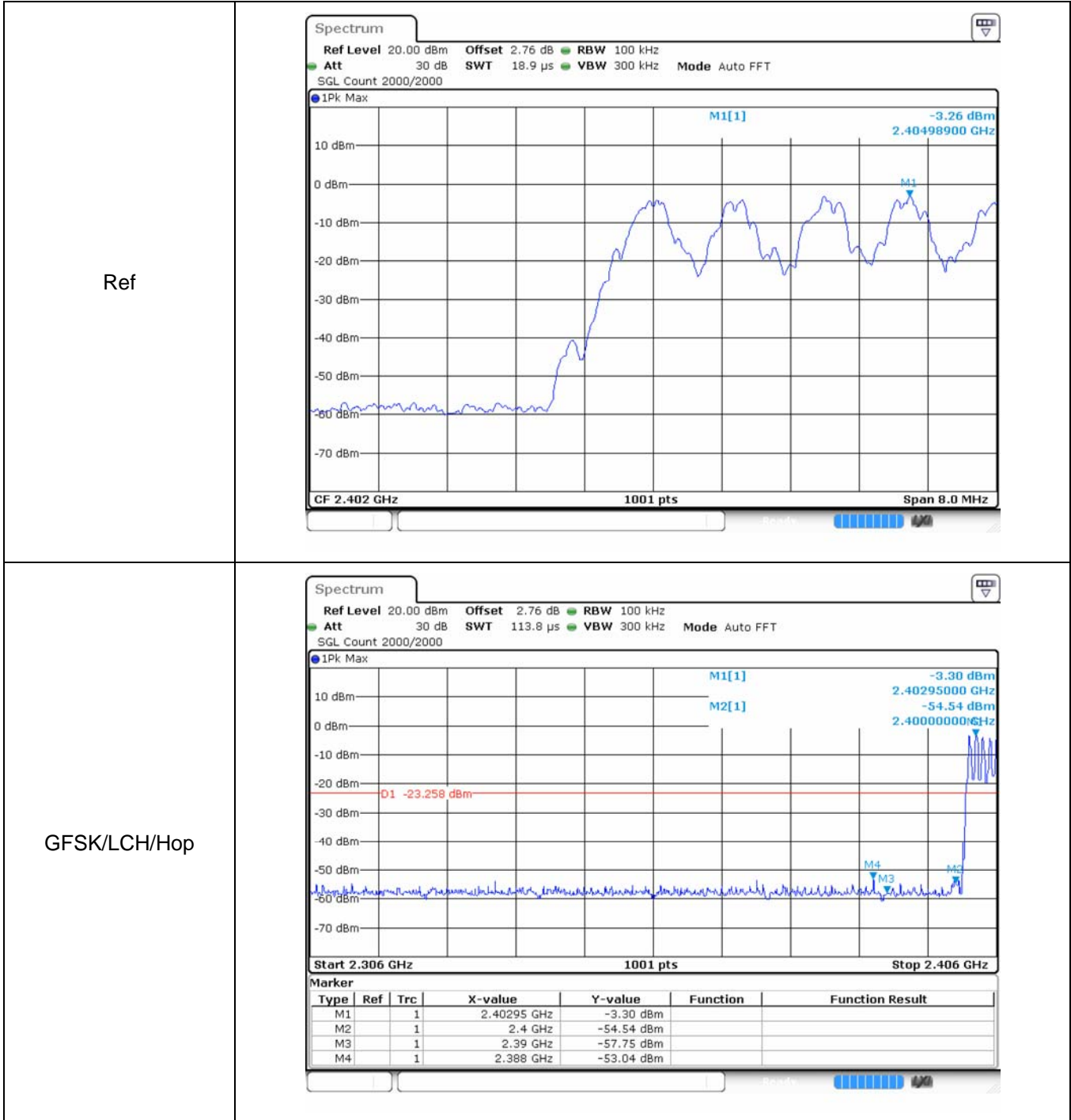
8 Band-edge for RF Conducted Emissions

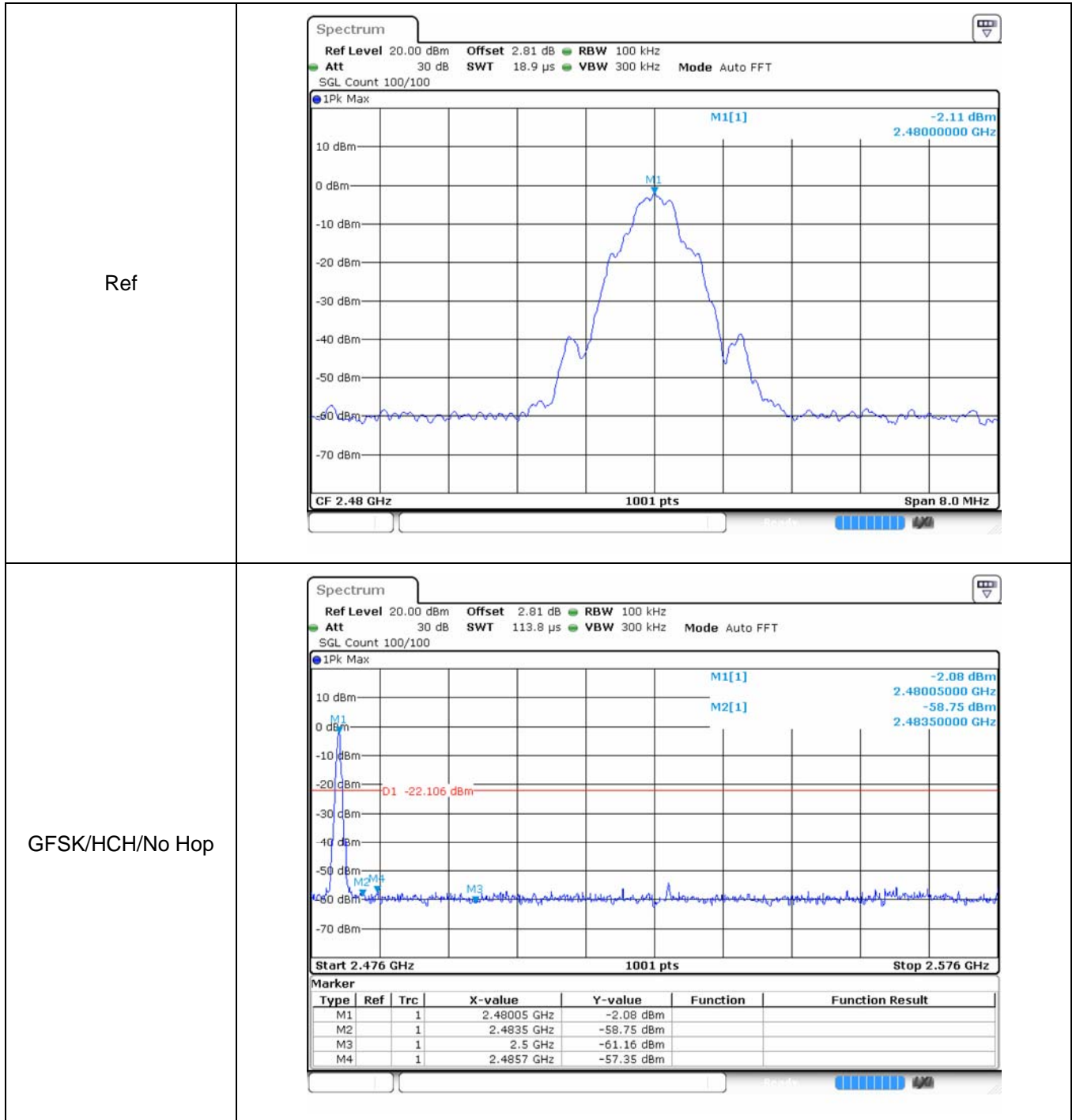
8.1 Test Result

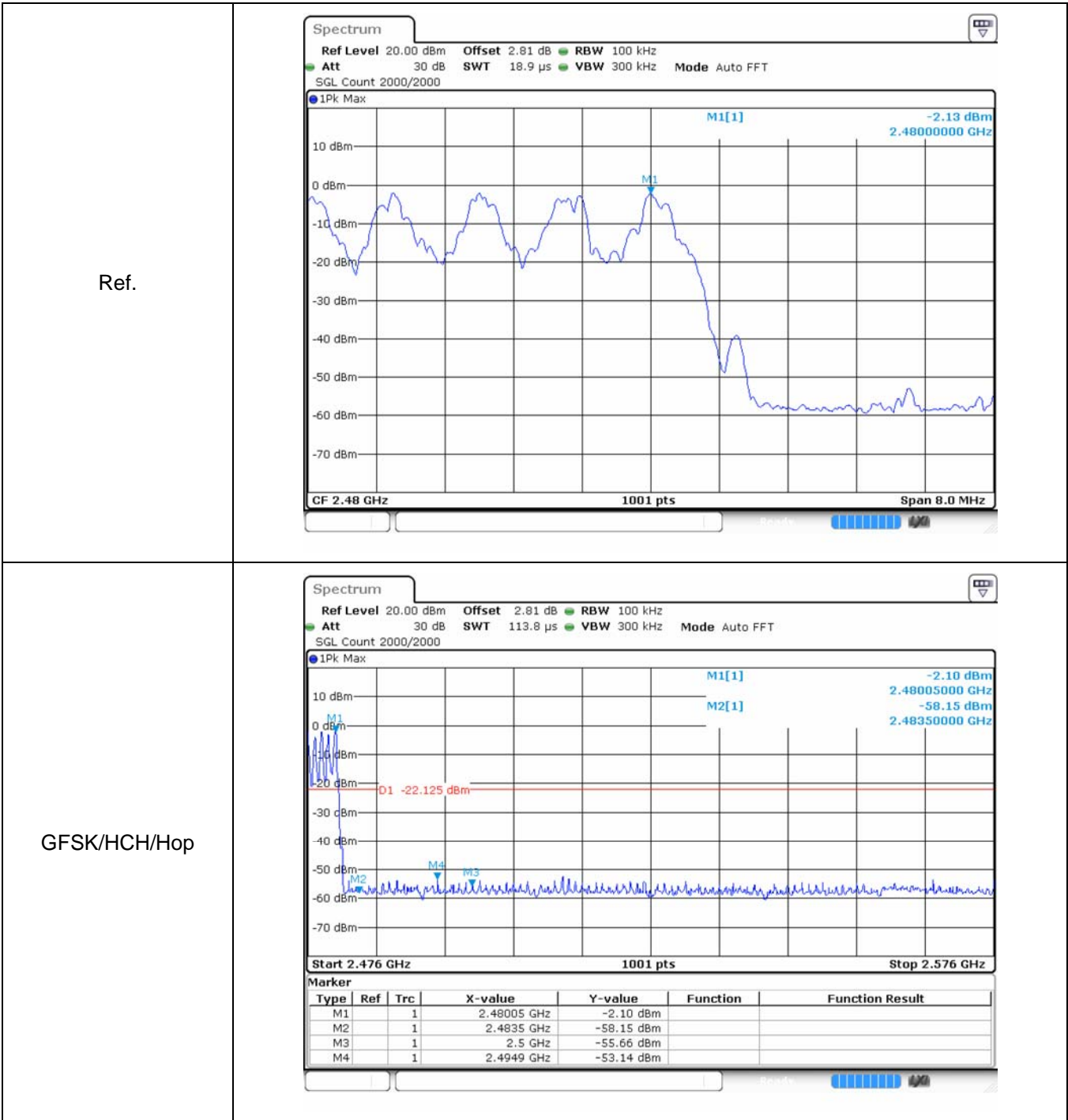
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-52.09	-20	Pass
			On	-49.78	-20	Pass
	HCH	2480	Off	-55.24	-20	Pass
			On	-51	-20	Pass

8.2 Test Graphs









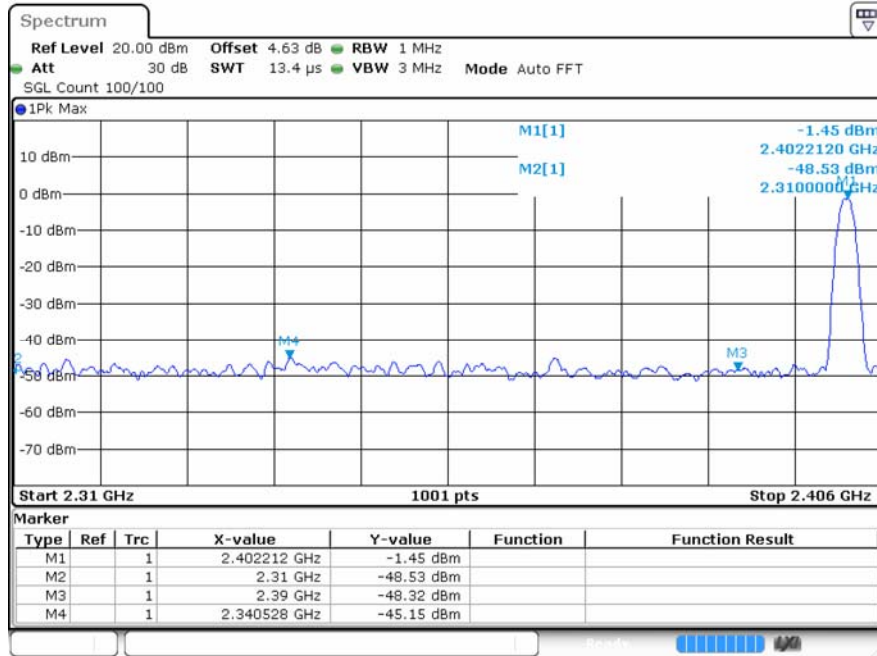
9 Restrict-band band-edge measurements

9.1 Test Result

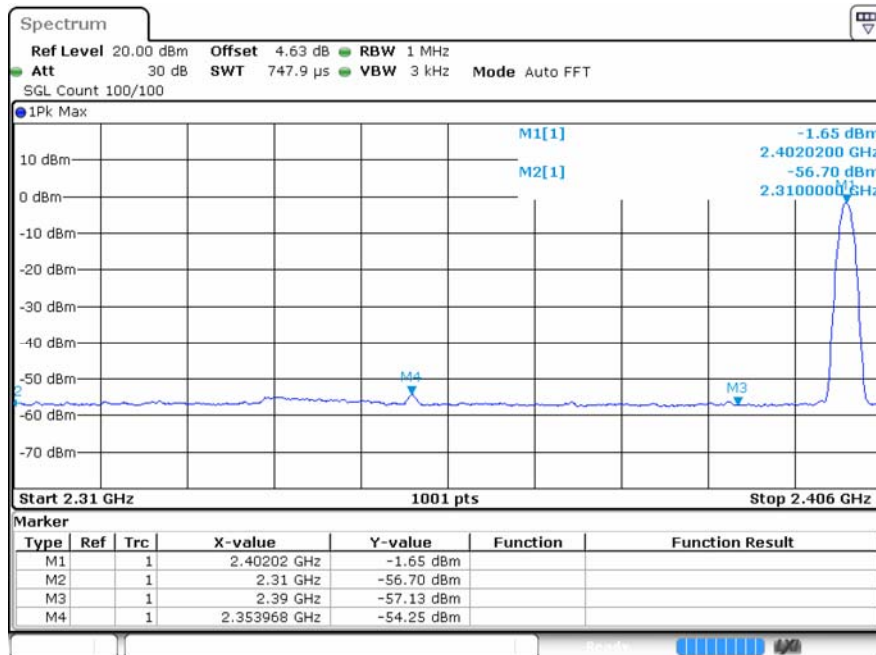
Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-48.53	2	48.73	PEAK	74	Pass
	Off	2310.0	-56.69	2	40.57	AV	54	Pass
	Off	2340.528	-45.15	2	52.11	PEAK	74	Pass
	Off	2353.968	-54.24	2	43.02	AV	54	Pass
	Off	2390.0	-48.32	2	48.94	PEAK	74	Pass
	Off	2390.0	-57.13	2	40.13	AV	54	Pass
	Off	2483.5	-49.17	2	48.09	PEAK	74	Pass
	Off	2483.5	-56.5	2	40.76	AV	54	Pass
	Off	2488.528	-45.21	2	52.05	PEAK	74	Pass
	Off	2490.808	-55.91	2	41.35	AV	54	Pass
	Off	2500.0	-47.52	2	49.74	PEAK	74	Pass
	Off	2500.0	-56.81	2	40.45	AV	54	Pass

9.2 Test Graphs

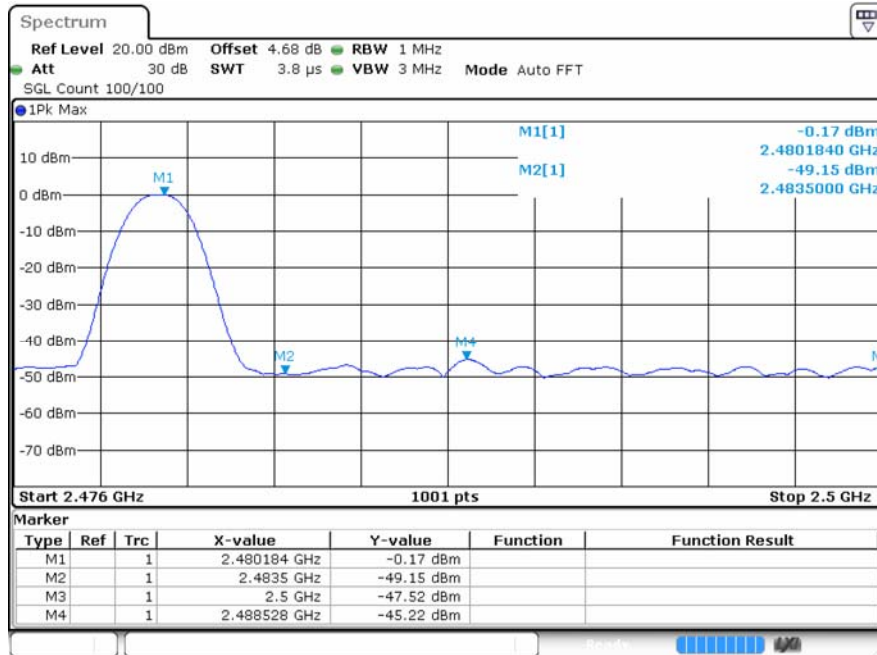
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (Low Channel)



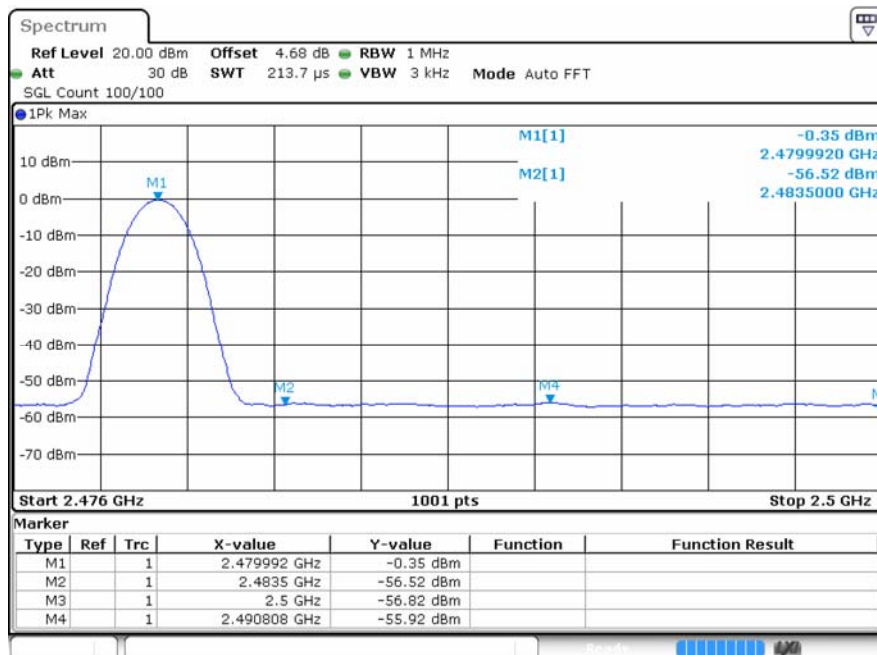
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



---The End---