



Appendix A

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

Product Name: wireless keyboard

Trade Mark: N/A

Test Model: K08

Environmental Conditions

Temperature:	20.6℃
Relative Humidity:	45.4%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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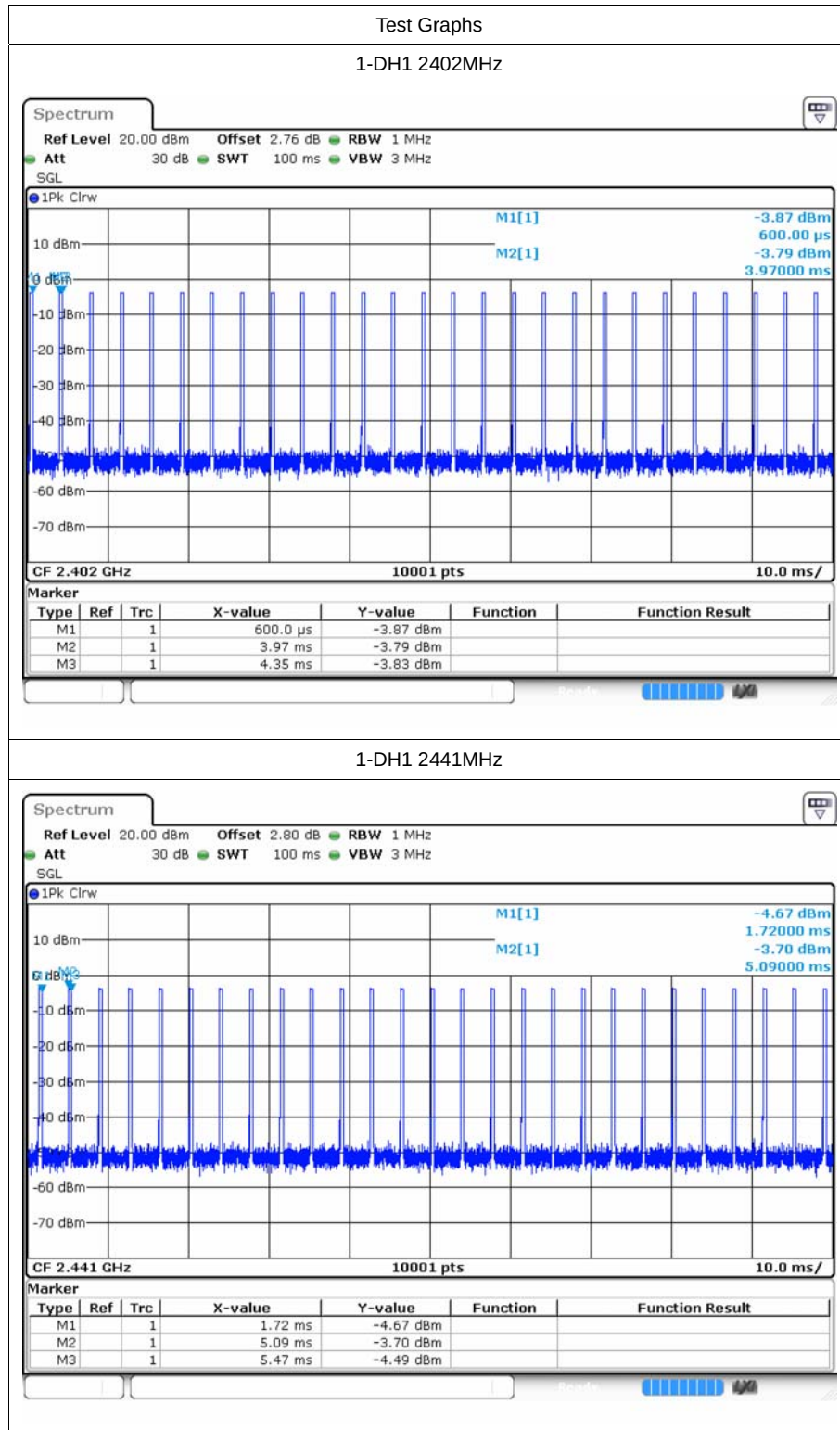


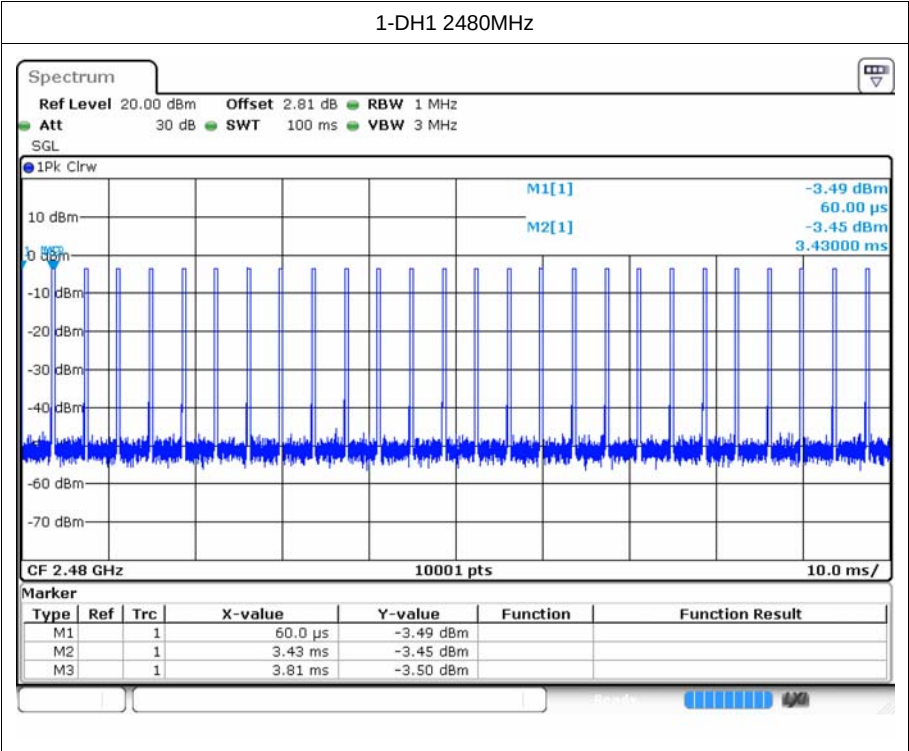
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	10.53	2.63
1-DH1	2441	10.53	2.63
1-DH1	2480	10.21	2.63

1.2 Test Graphs



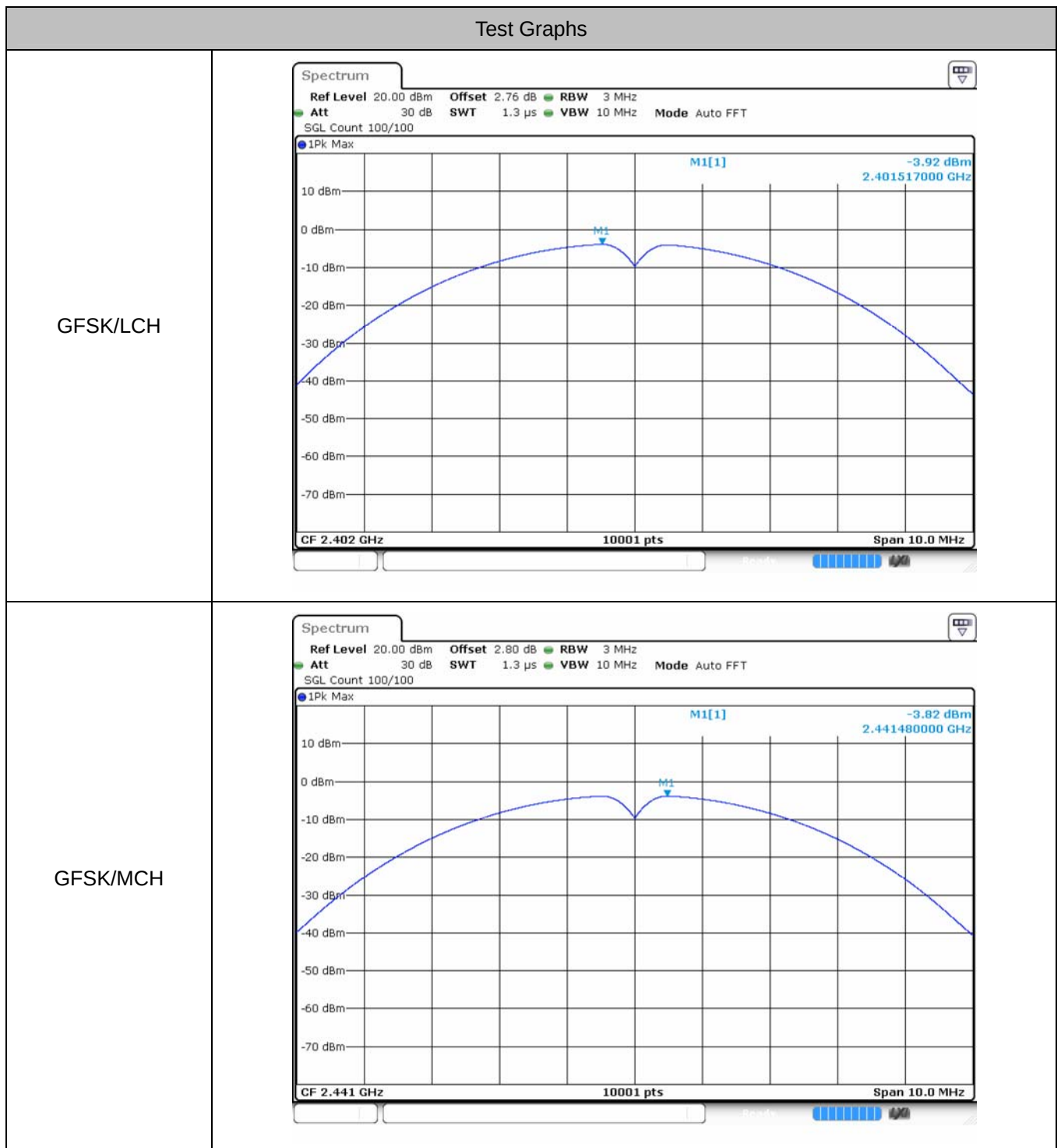


2 Maximum Conducted Peak Output Power

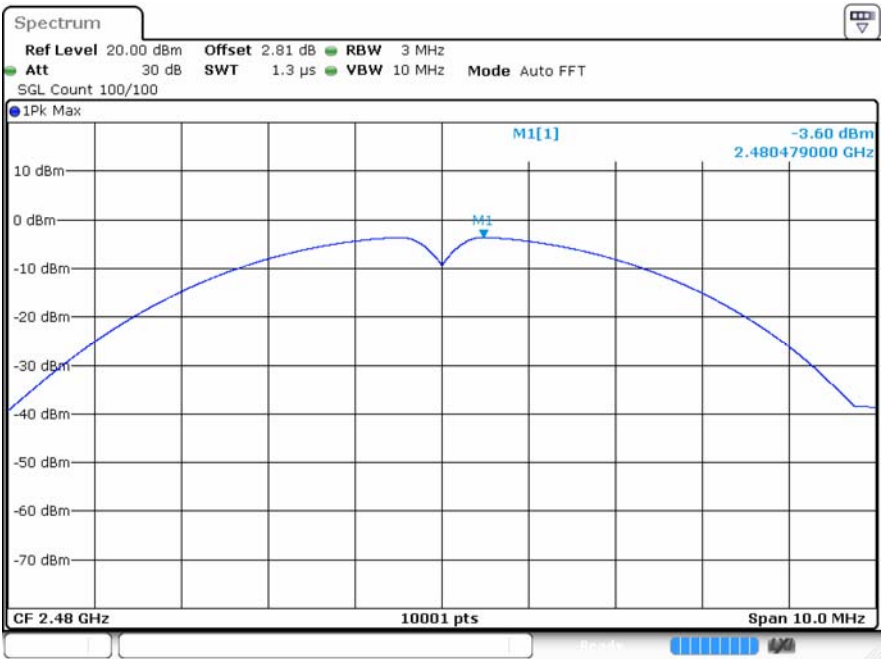
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-3.92	21	Pass
	MCH	-3.82	21	Pass
	HCH	-3.6	21	Pass

2.2 Test Graphs



GFSK/HCH

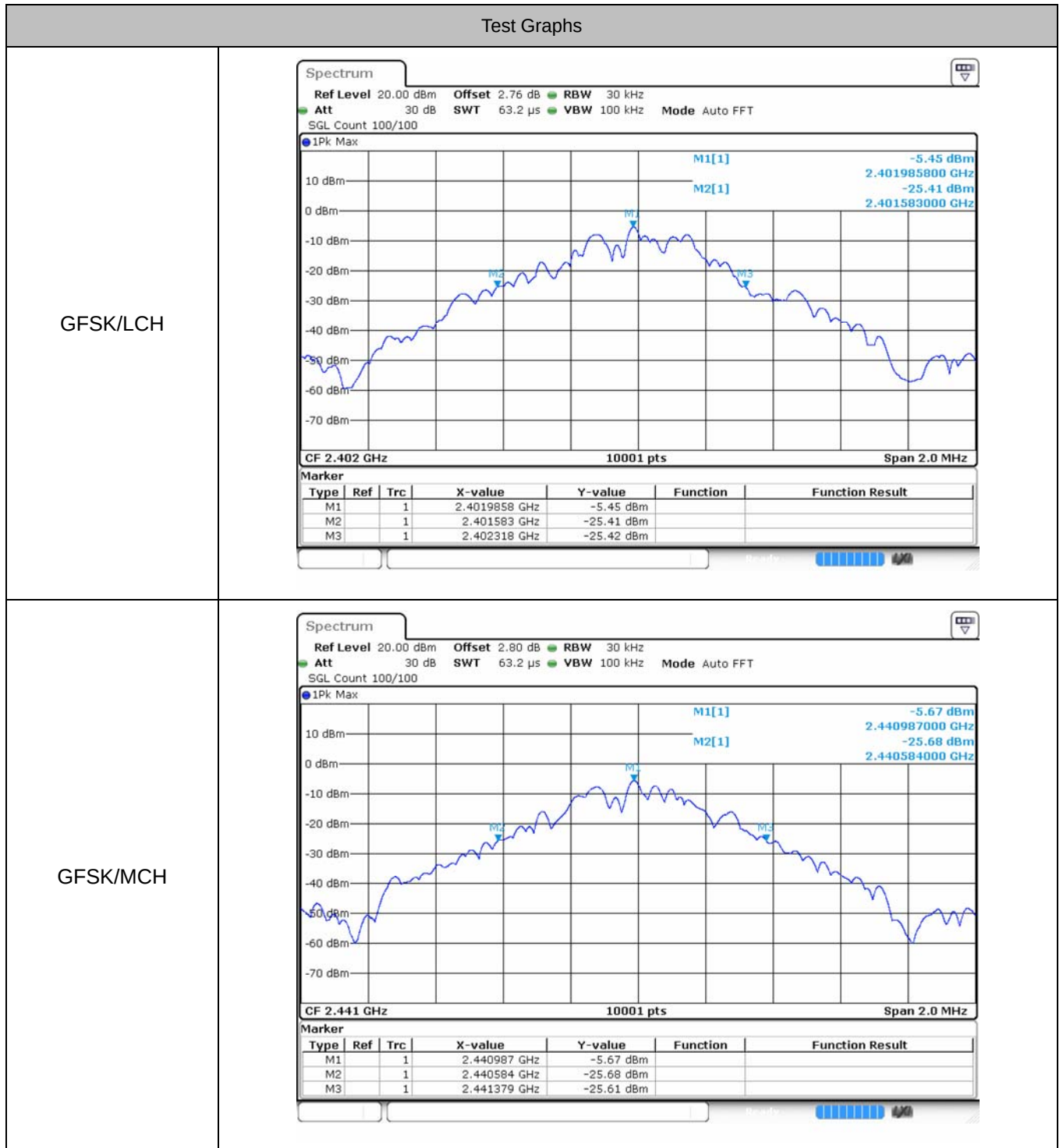


3 20dB Bandwidth

3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.736	Not Specified	Pass
	MCH	0.795	Not Specified	Pass
	HCH	0.848	Not Specified	Pass

3.2 Test Graphs





GFSK/HCH

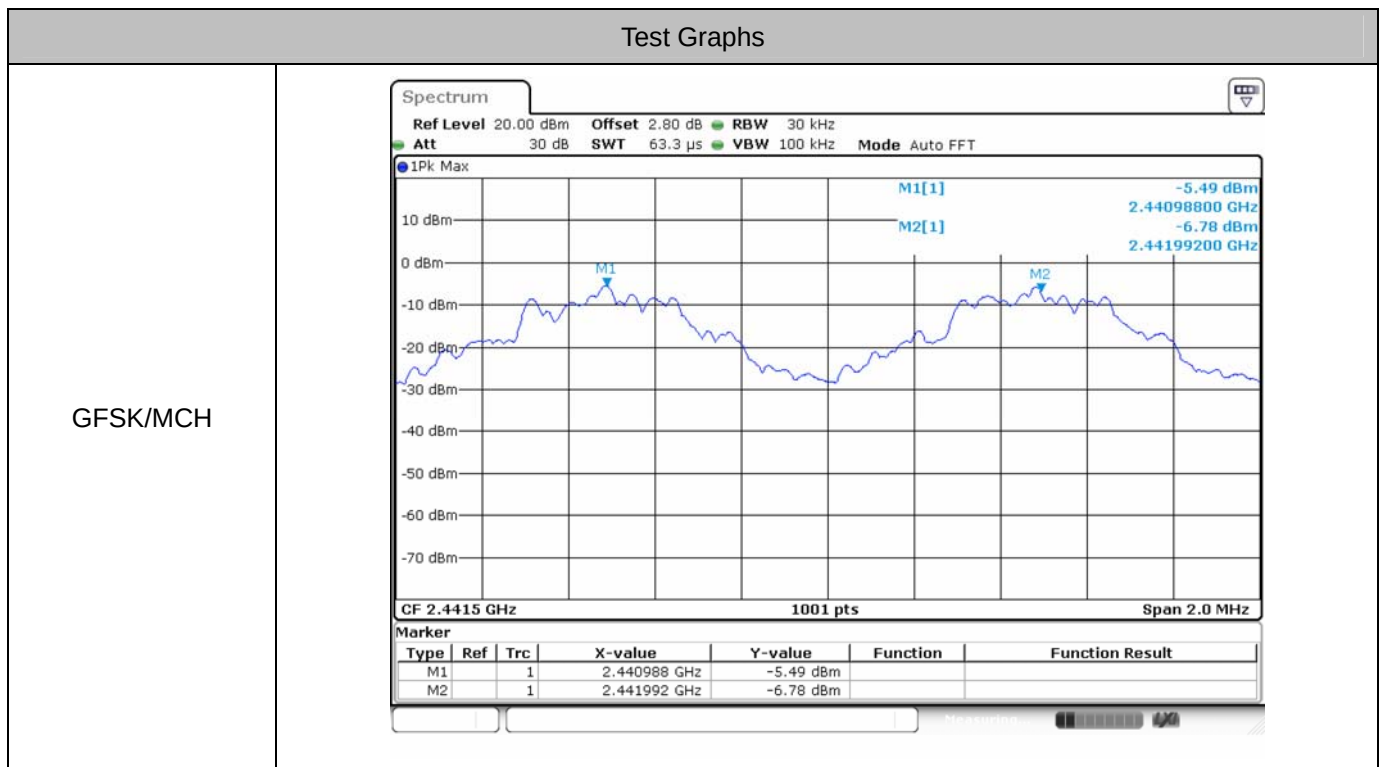


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	1.004	0.53	Pass

4.2 Test Graphs



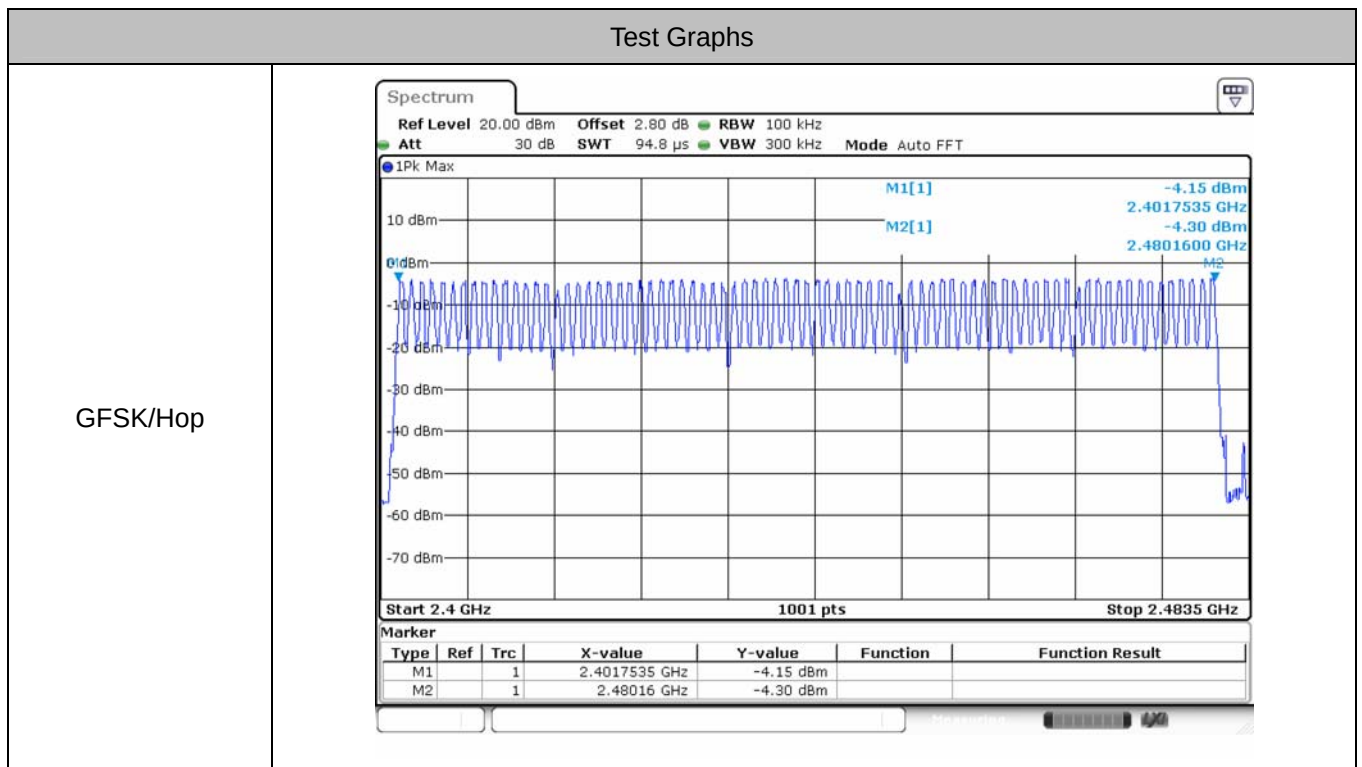


5 Hopping Channel Number

5.1 Test Result

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

5.2 Test Graphs



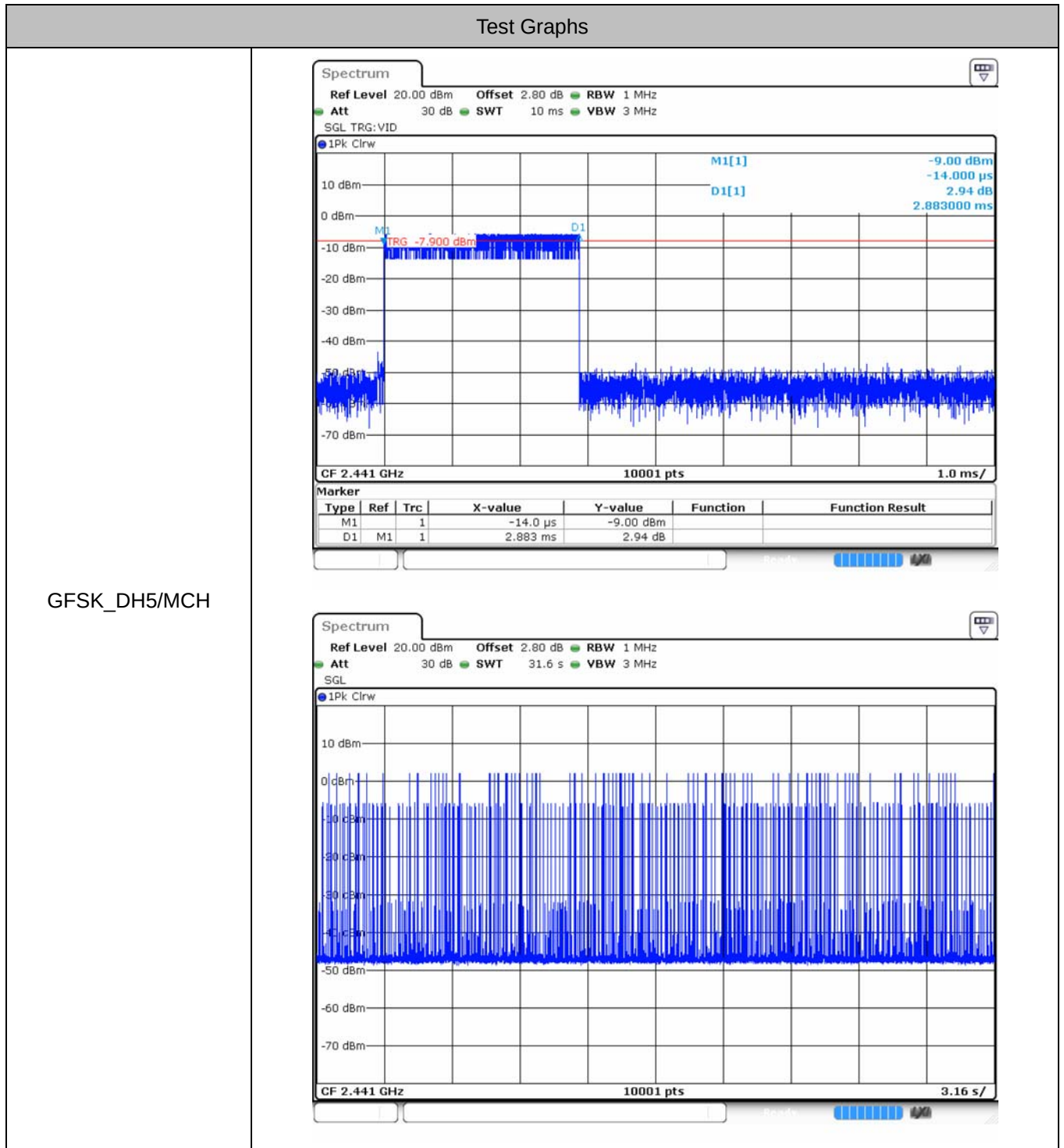


6 Dwell Time

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	2.883	87	250.821	0.4	Pass

6.2 Test Graphs

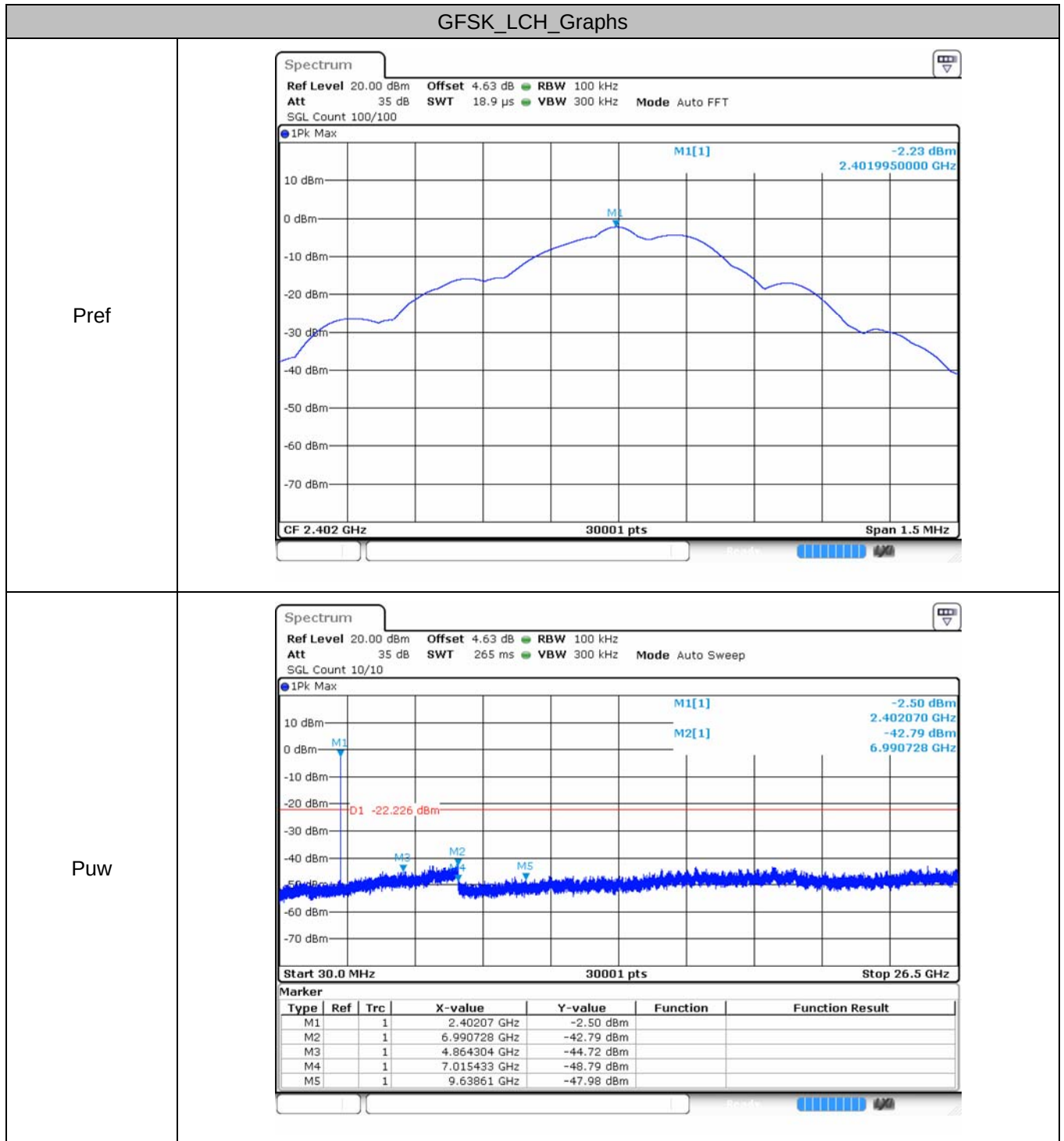


7 RF Conducted Spurious Emissions

7.1 Test Result

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-40.56	-20	Pass
	MCH	-39.97	-20	Pass
	HCH	-39.02	-20	Pass

7.2 Test Graphs

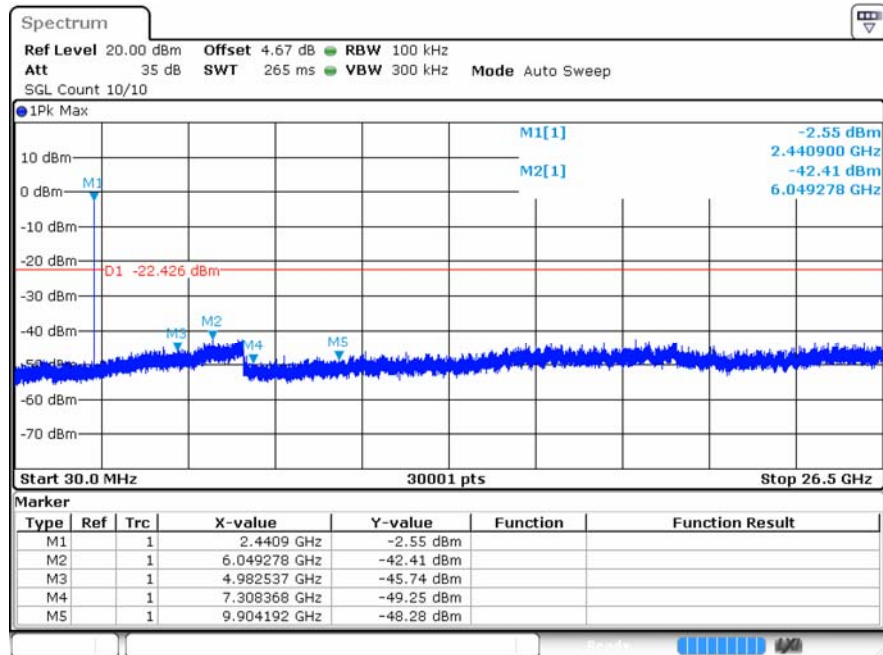


GFSK_MCH_Graphs

Pref



Puw

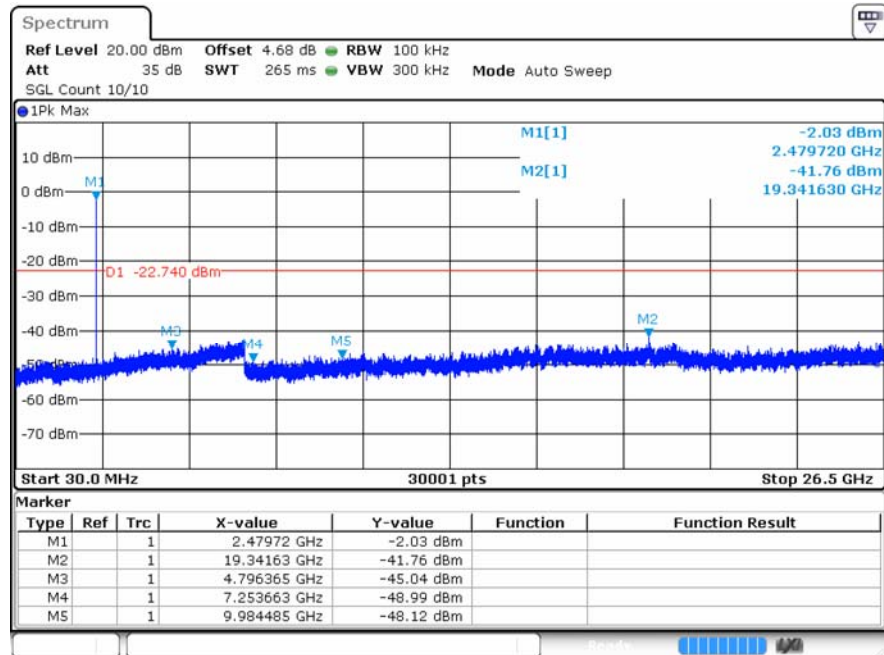


GFSK_HCH_Graphs

Pref



Puw

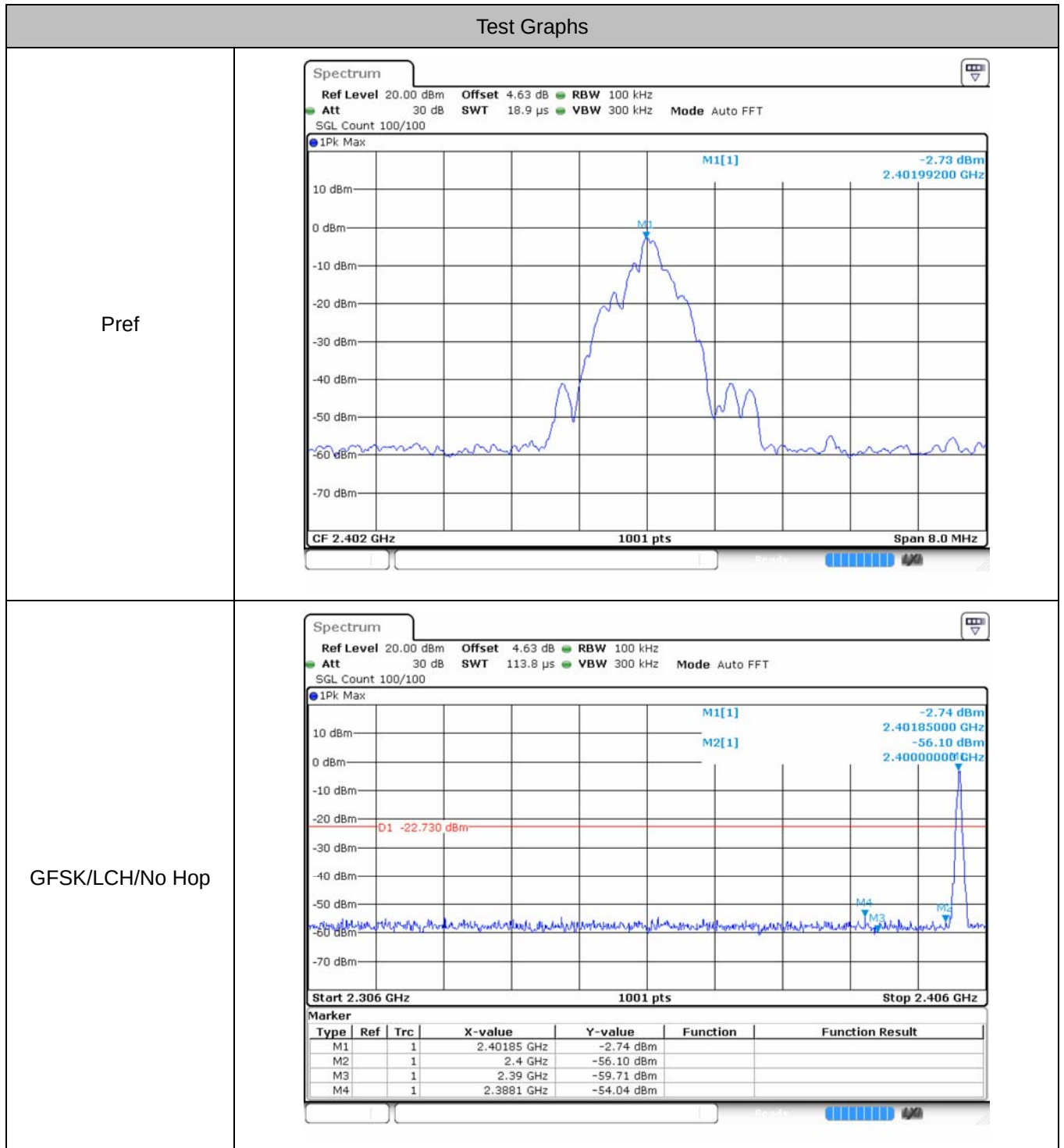


8 Band-edge for RF Conducted Emissions

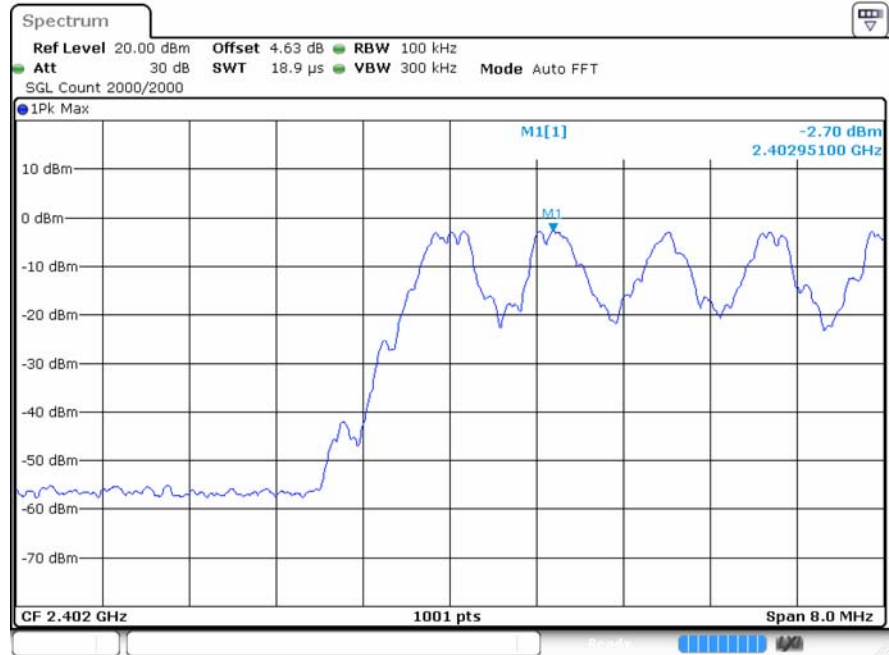
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-51.3	-20	Pass
			On	-50.81	-20	Pass
	HCH	2480	Off	-53.1	-20	Pass
			On	-51.34	-20	Pass

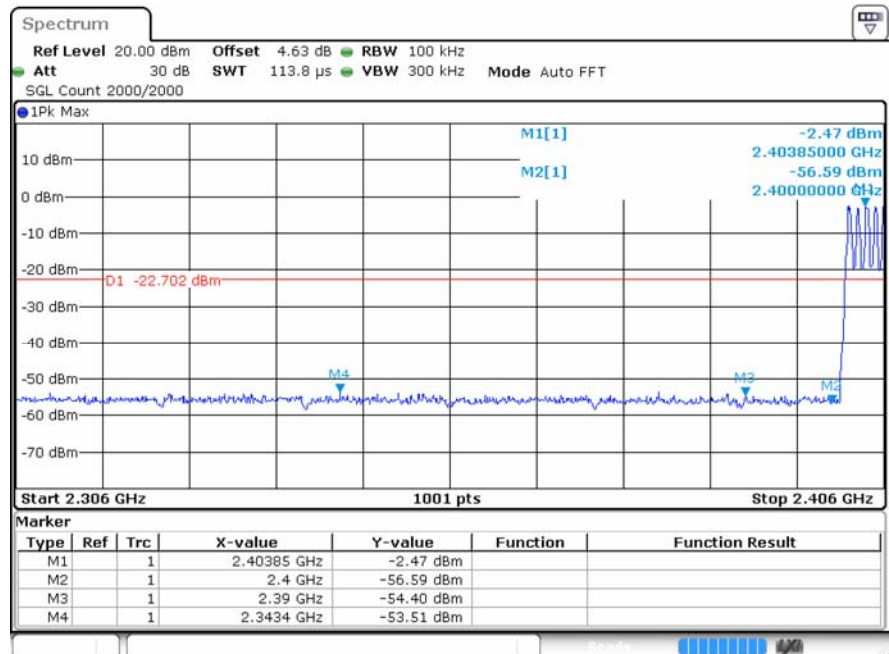
8.2 Test Graphs



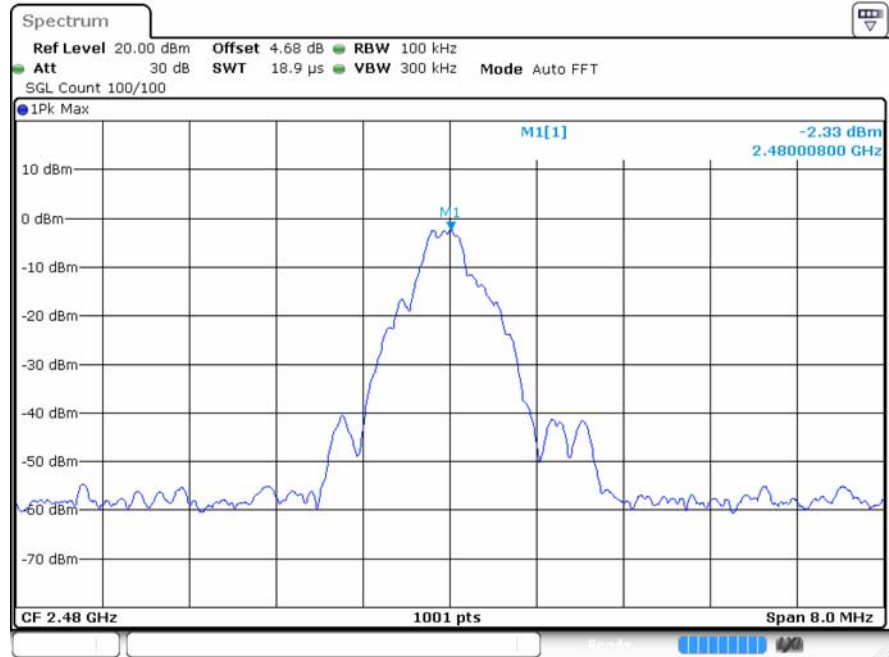
Ref



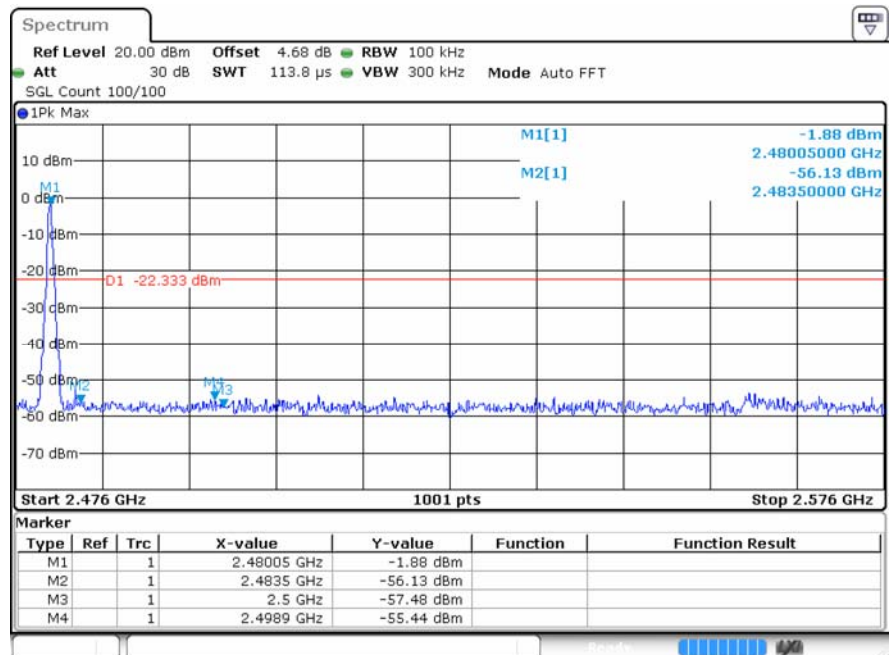
GFSK/LCH/Hop



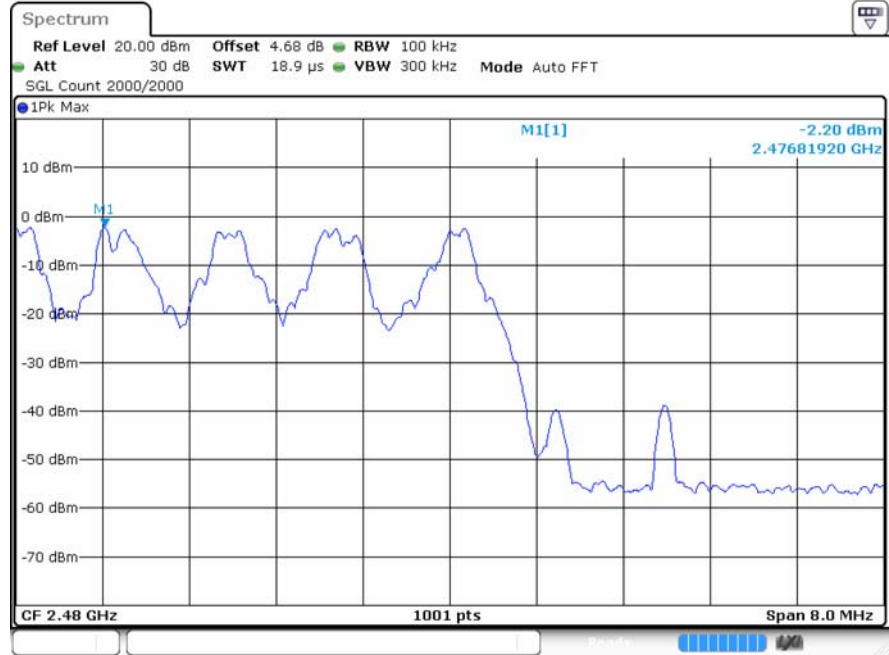
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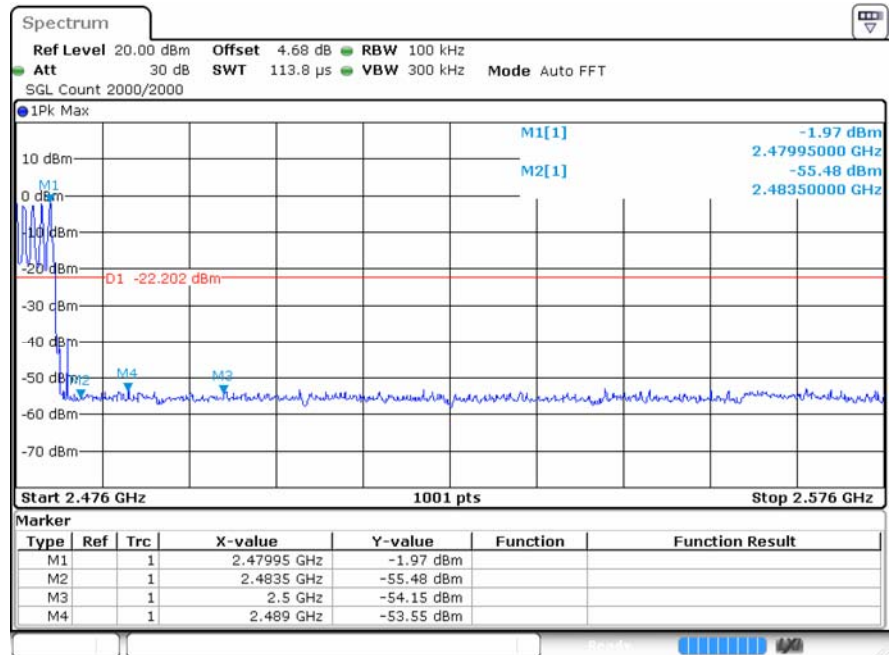
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



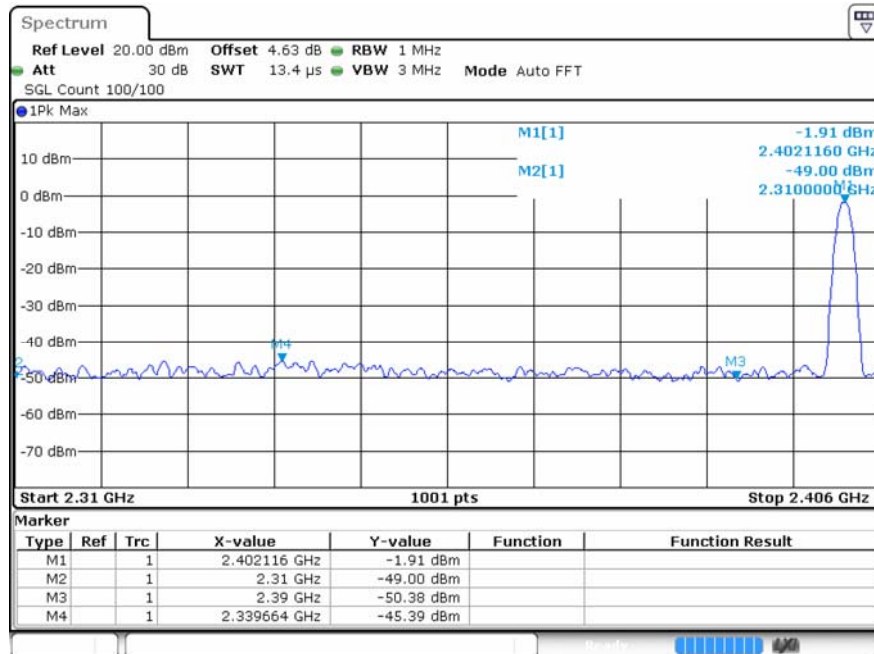
9 Restrict-band band-edge measurements

9.1 Test Result

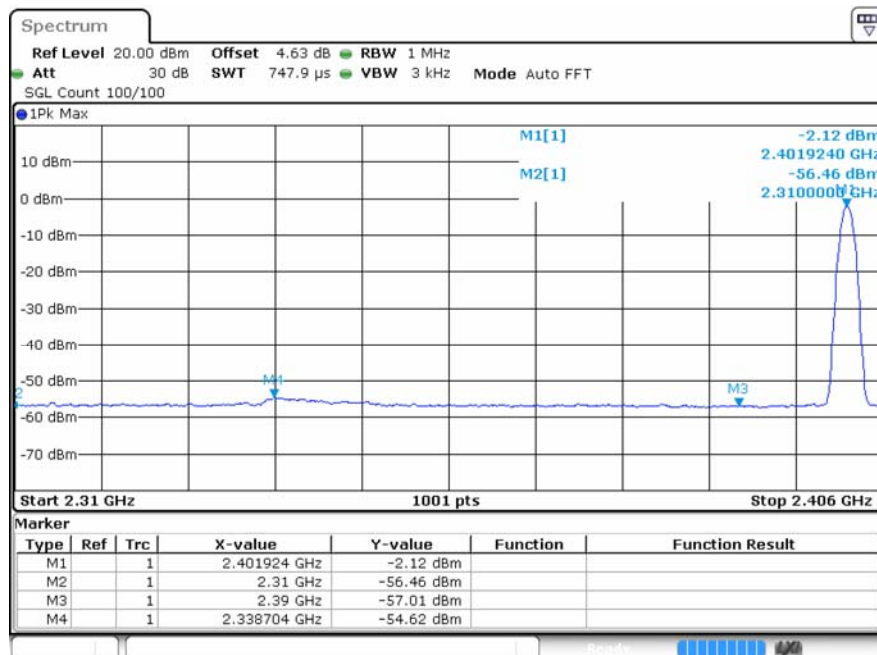
Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-48.99	2	48.27	PEAK	74	Pass
	Off	2310.0	-56.46	2	40.8	AV	54	Pass
	Off	2339.664	-45.38	2	51.88	PEAK	74	Pass
	Off	2338.704	-54.62	2	42.64	AV	54	Pass
	Off	2390.0	-50.38	2	46.88	PEAK	74	Pass
	Off	2390.0	-57.01	2	40.25	AV	54	Pass
	Off	2483.5	-46.72	2	50.54	PEAK	74	Pass
	Off	2483.5	-55.88	2	41.38	AV	54	Pass
	Off	2484.88	-38.93	2	58.33	PEAK	74	Pass
	Off	2484.856	-54.07	2	43.19	AV	54	Pass
	Off	2500.0	-46.4	2	50.86	PEAK	74	Pass
	Off	2500.0	-56.2	2	41.06	AV	54	Pass

9.2 Test Graphs

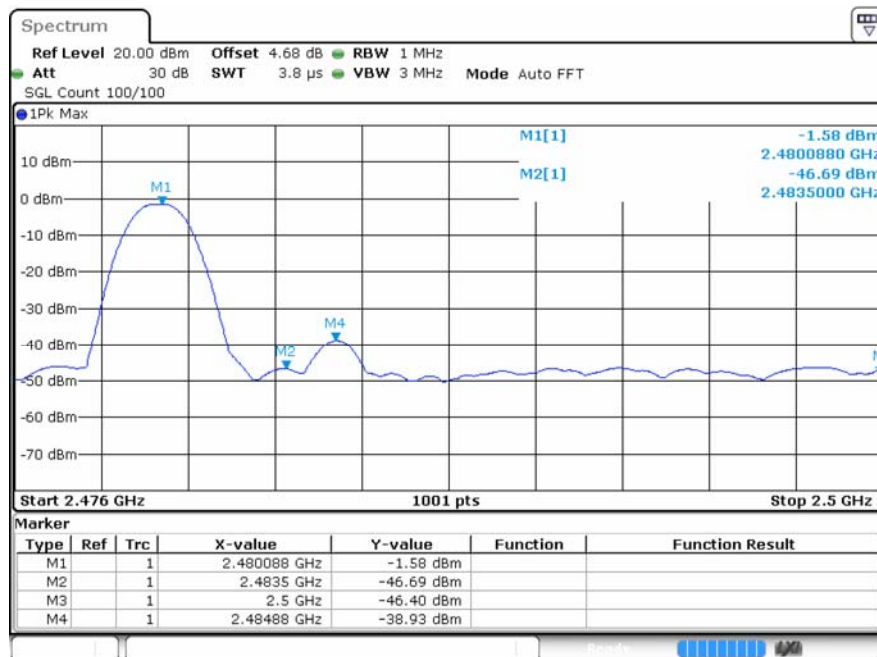
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



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)

