



Appendix A

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

Product Name: keyboard

Trade Mark: N/A

Test Model: KB02005

Environmental Conditions

Temperature:	25.4℃
Relative Humidity:	51.9%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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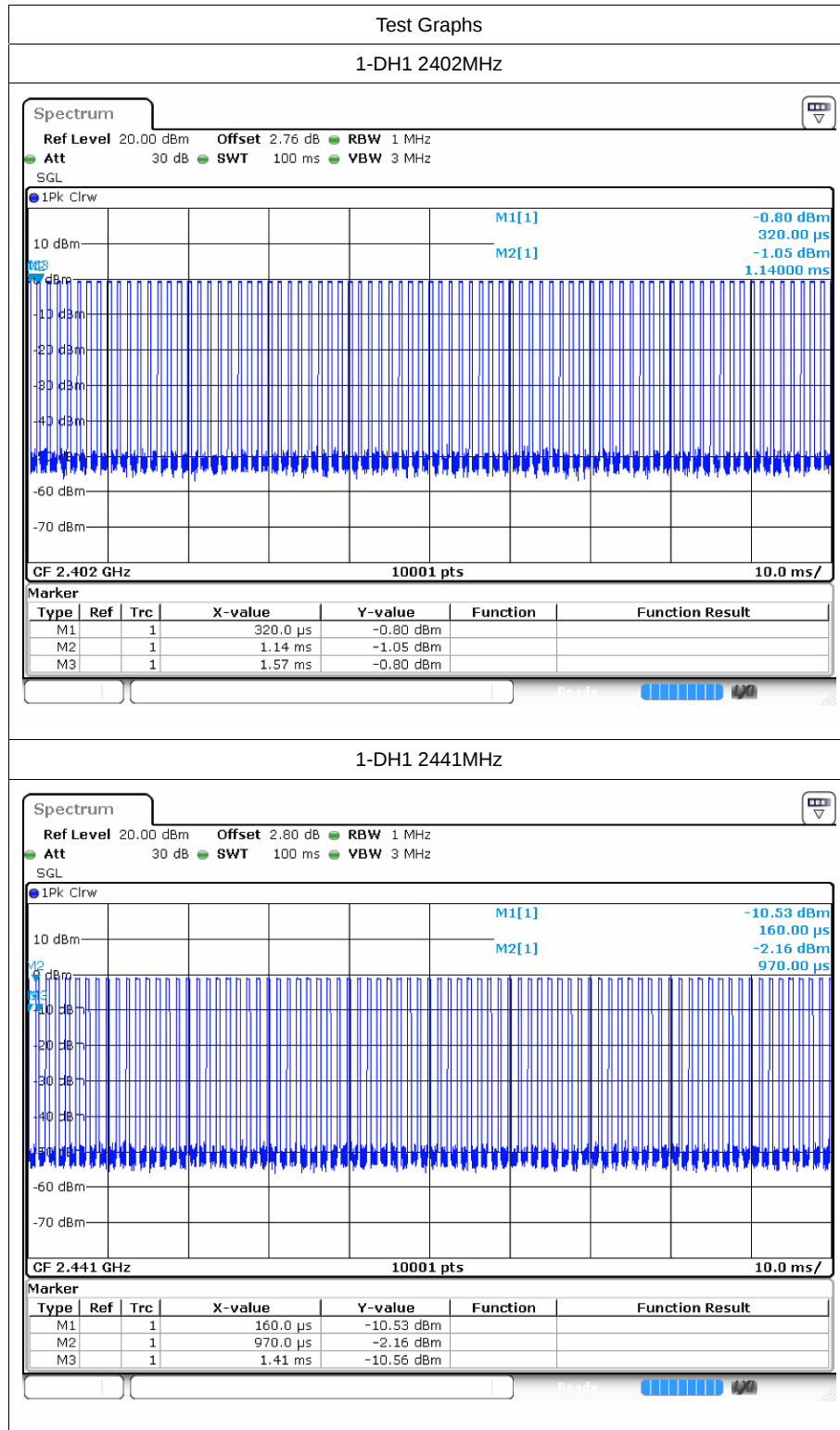


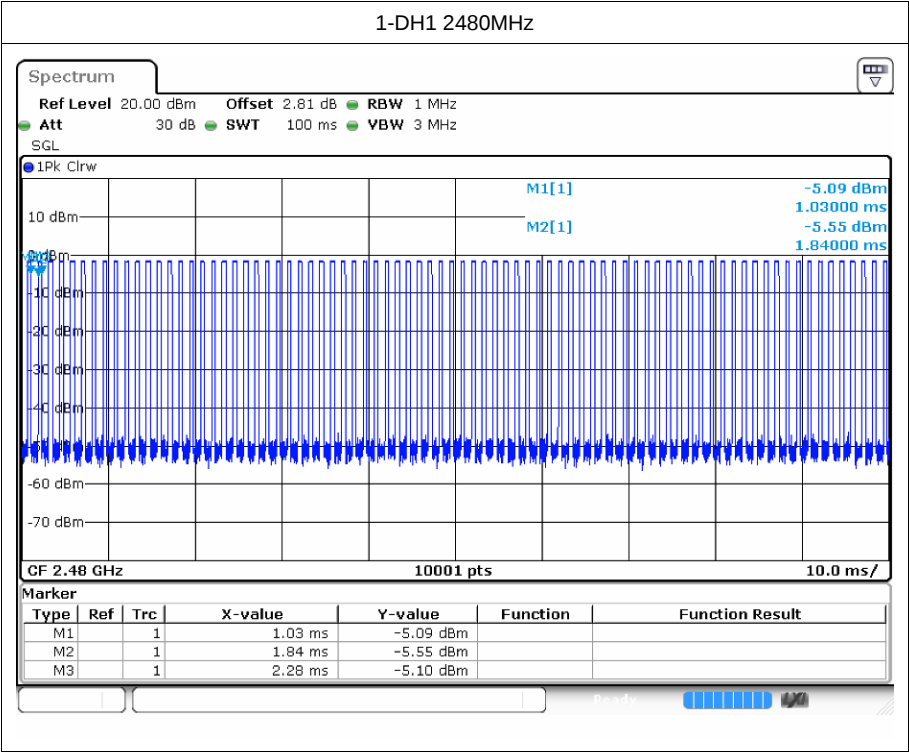
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	35.21	2.33
1-DH1	2441	36.01	2.27
1-DH1	2480	36	2.27

1.2 Test Graphs



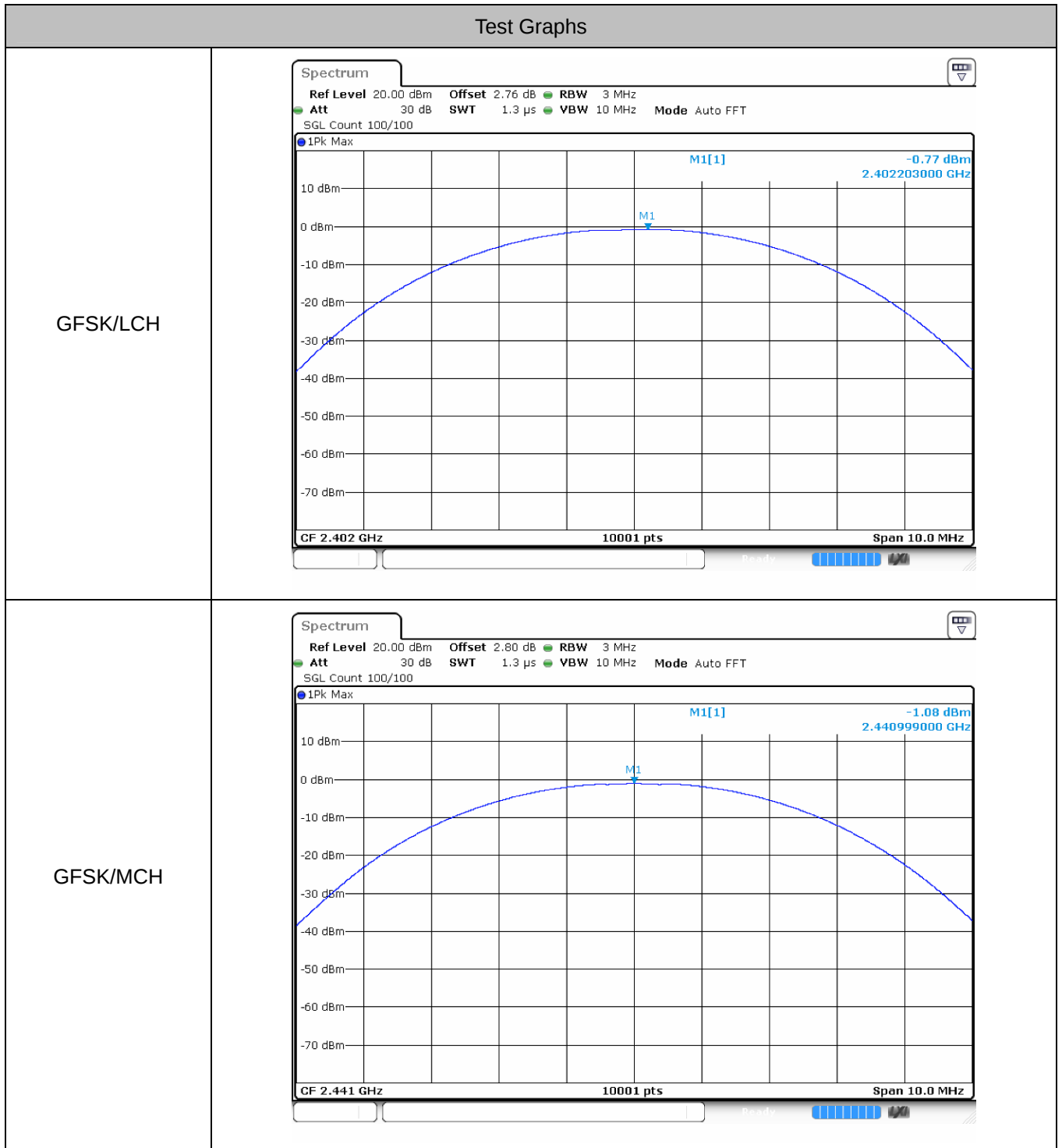


2 Maximum Conducted Peak Output Power

2.1 Test Result

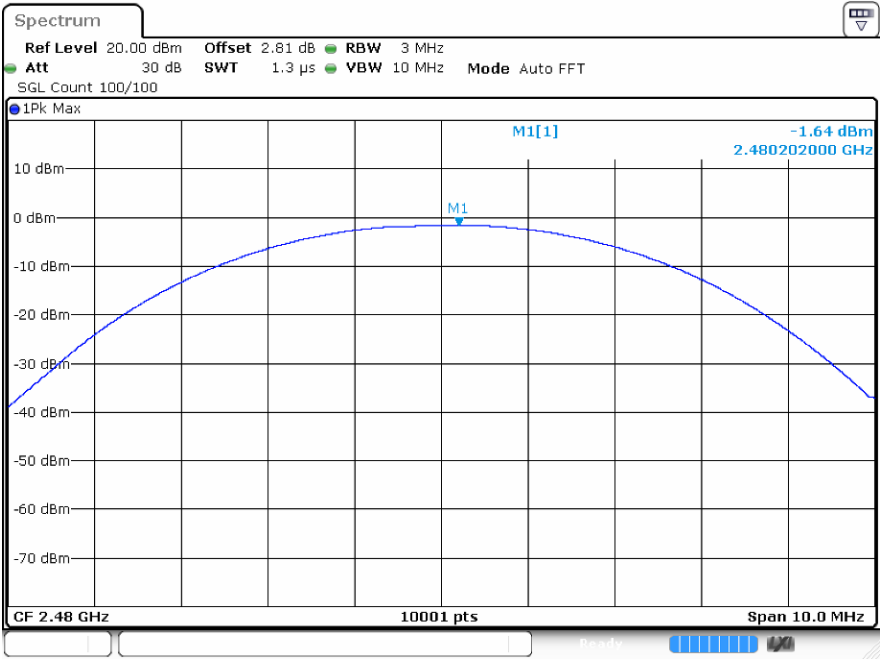
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.77	21	Pass
	MCH	-1.08	21	Pass
	HCH	-1.64	21	Pass

2.2 Test Graphs





GFSK/HCH

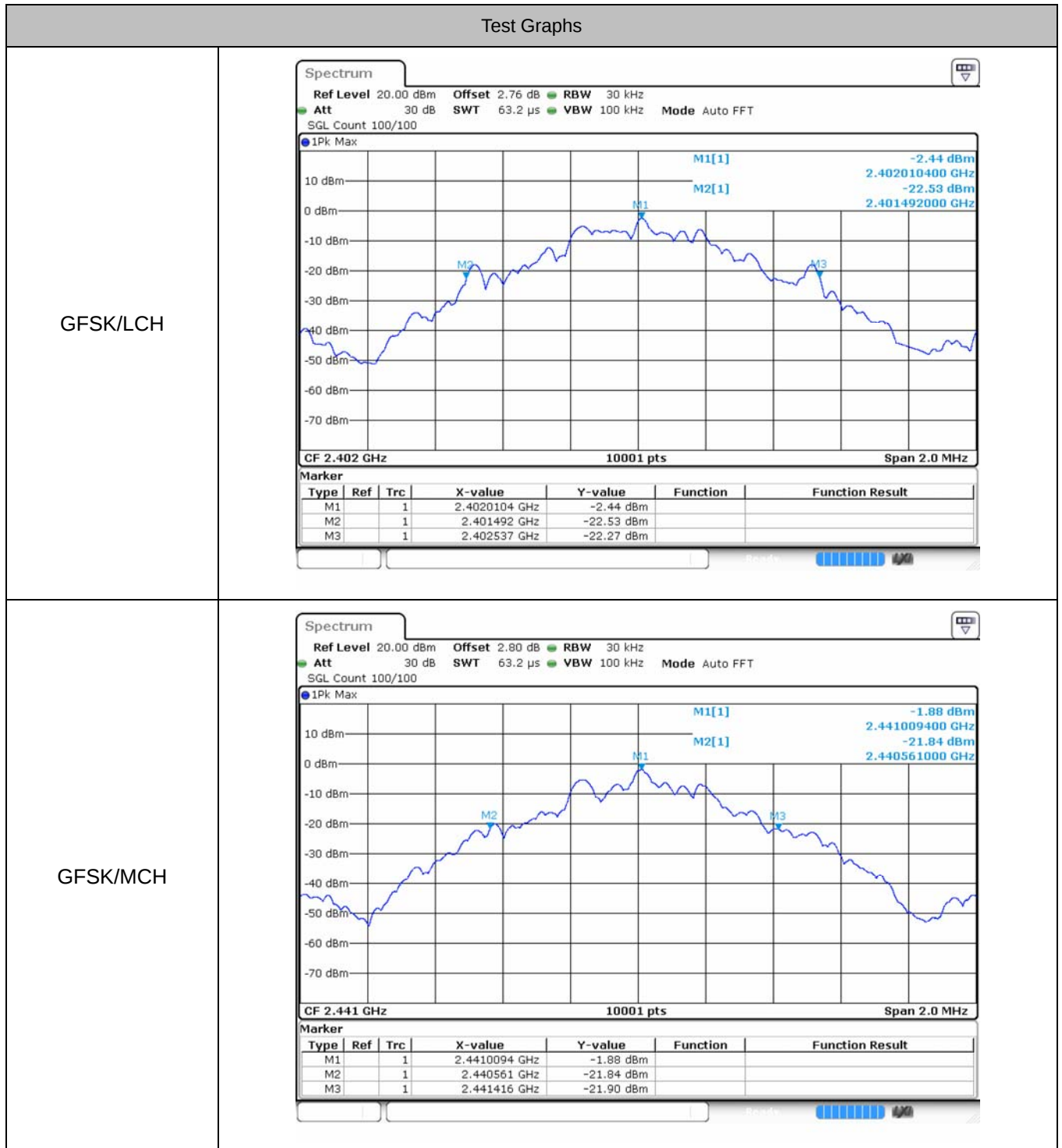


3 20dB Bandwidth

3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.045	Not Specified	Pass
	MCH	0.855	Not Specified	Pass
	HCH	1.025	Not Specified	Pass

3.2 Test Graphs





GFSK/HCH

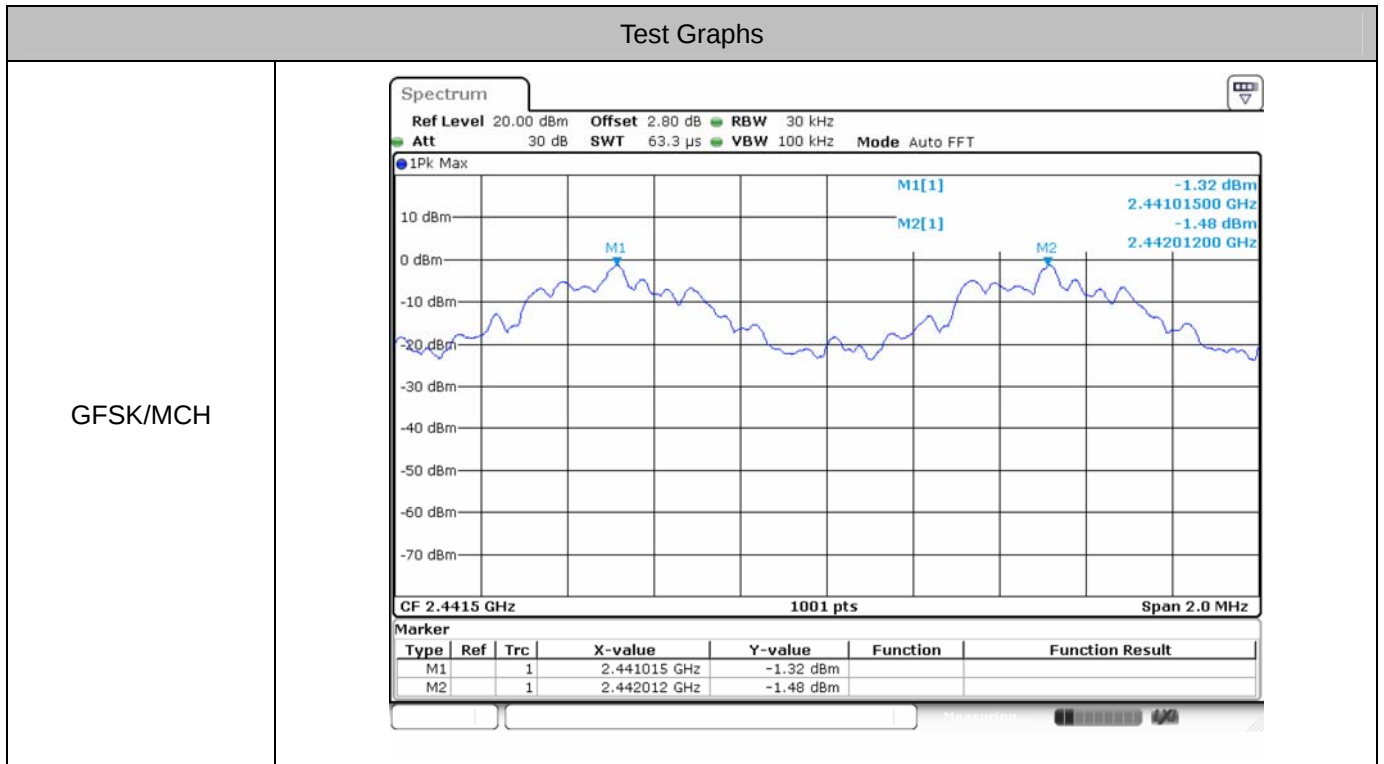


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.997	0.57	Pass

4.2 Test Graphs



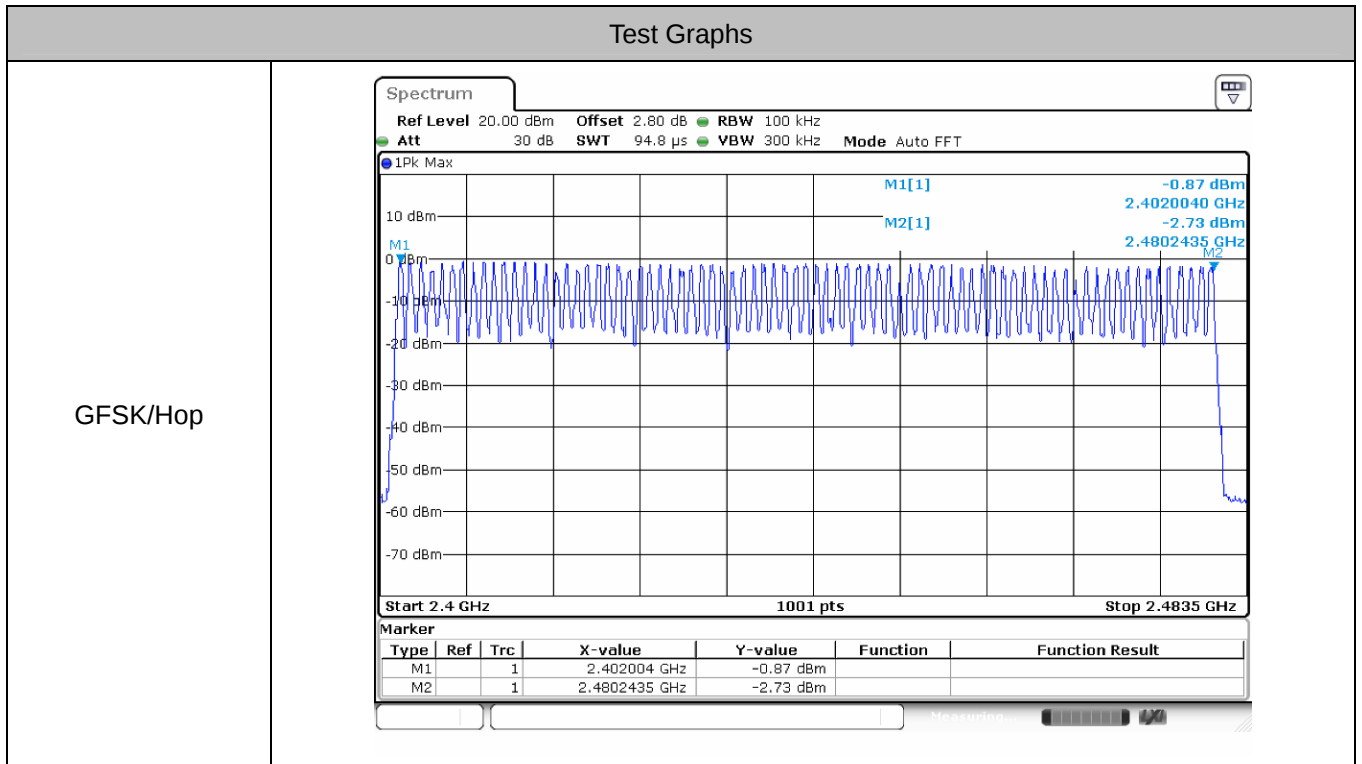


5 Hopping Channel Number

5.1 Test Result

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

5.2 Test Graphs

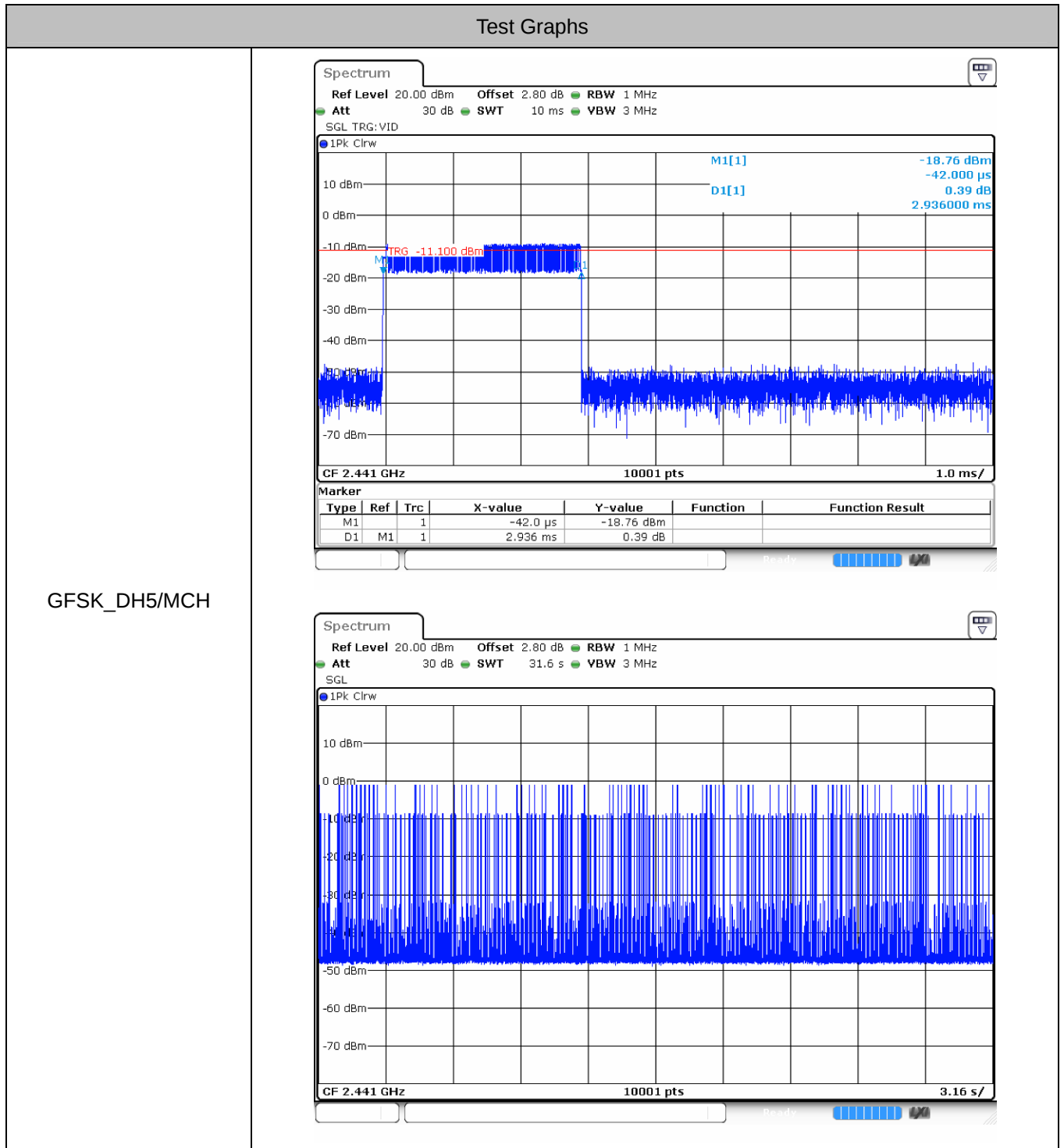


6 Dwell Time

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	2.936	106	311.216	0.4	Pass

6.2 Test Graphs

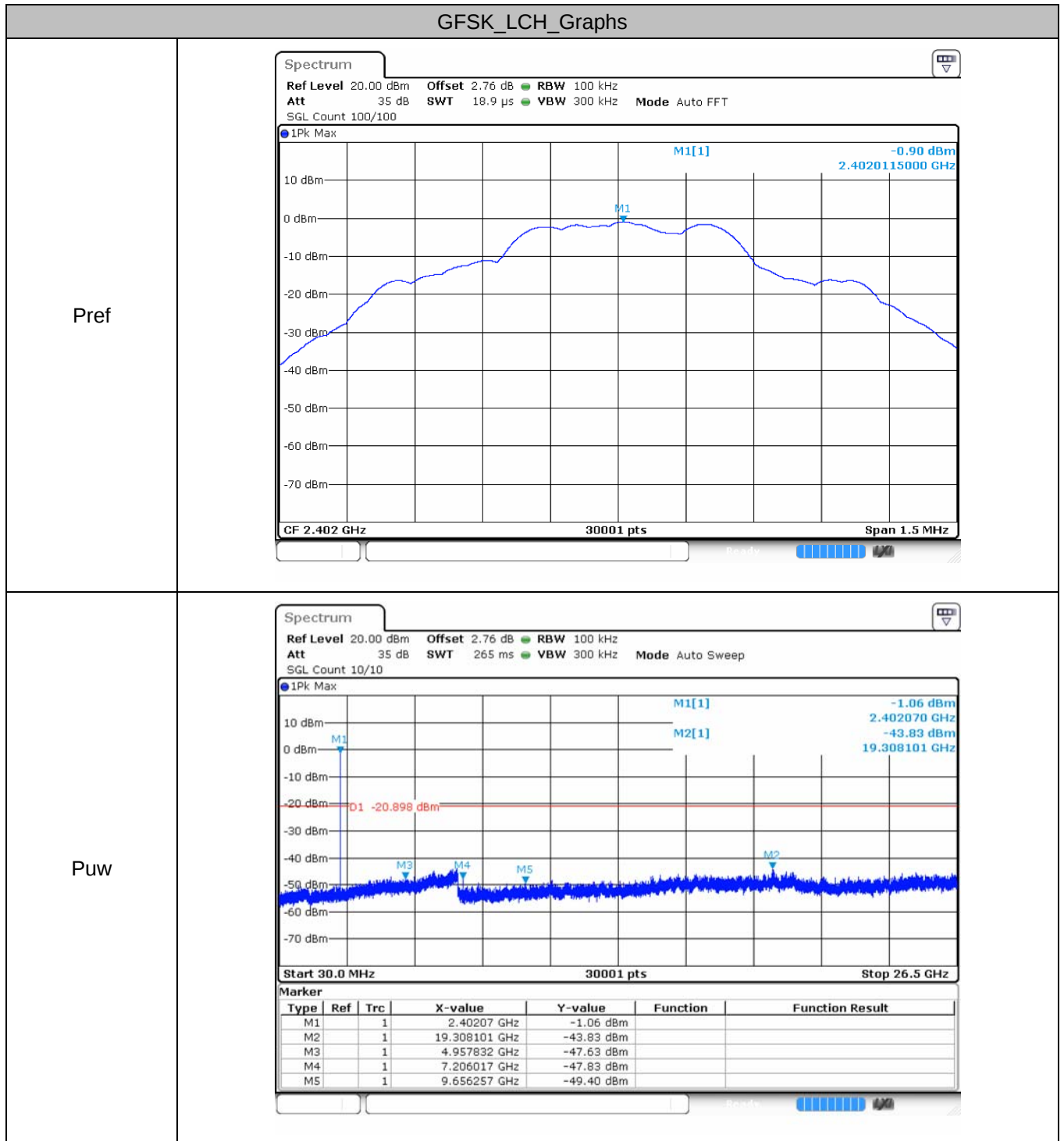


7 RF Conducted Spurious Emissions

7.1 Test Result

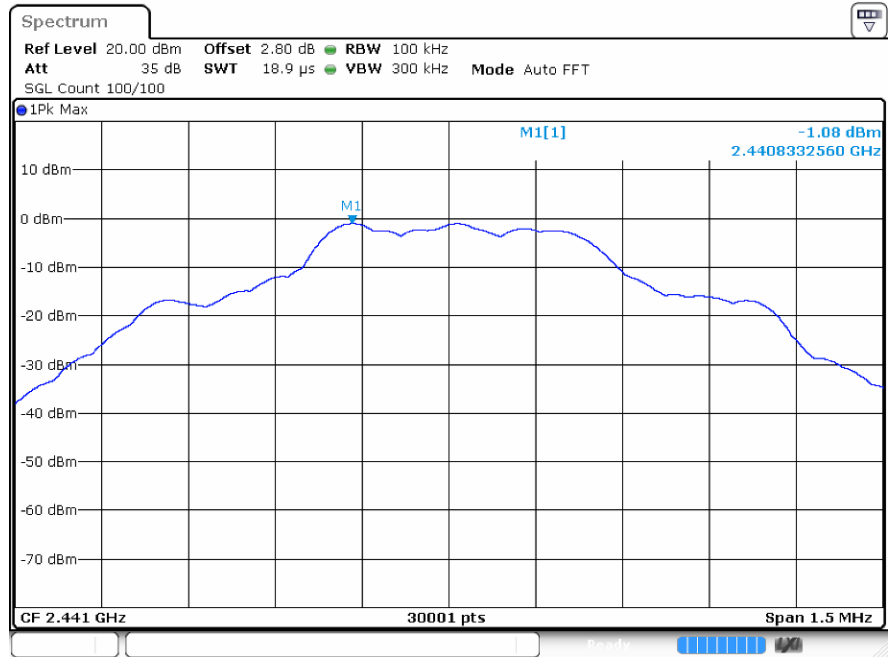
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-42.92	-20	Pass
	MCH	-43.16	-20	Pass
	HCH	-42.48	-20	Pass

7.2 Test Graphs

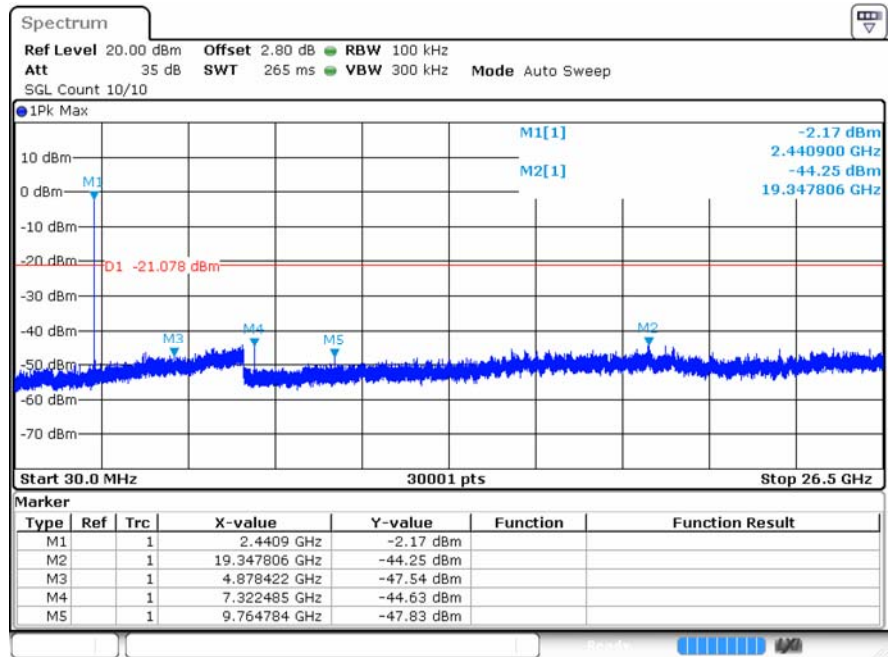


GFSK_MCH_Graphs

Pref

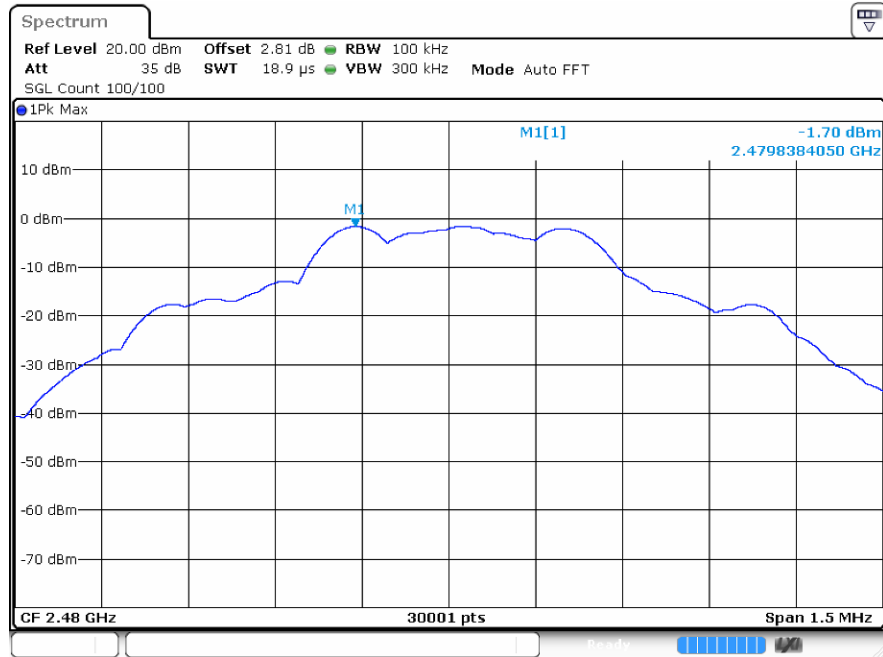


Puw

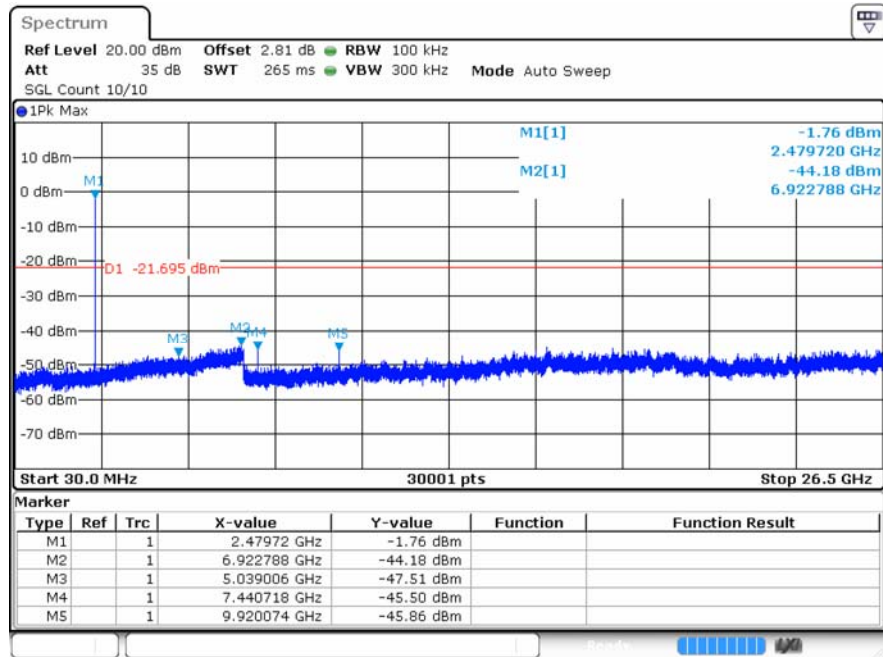


GFSK_HCH_Graphs

Pref



Puw

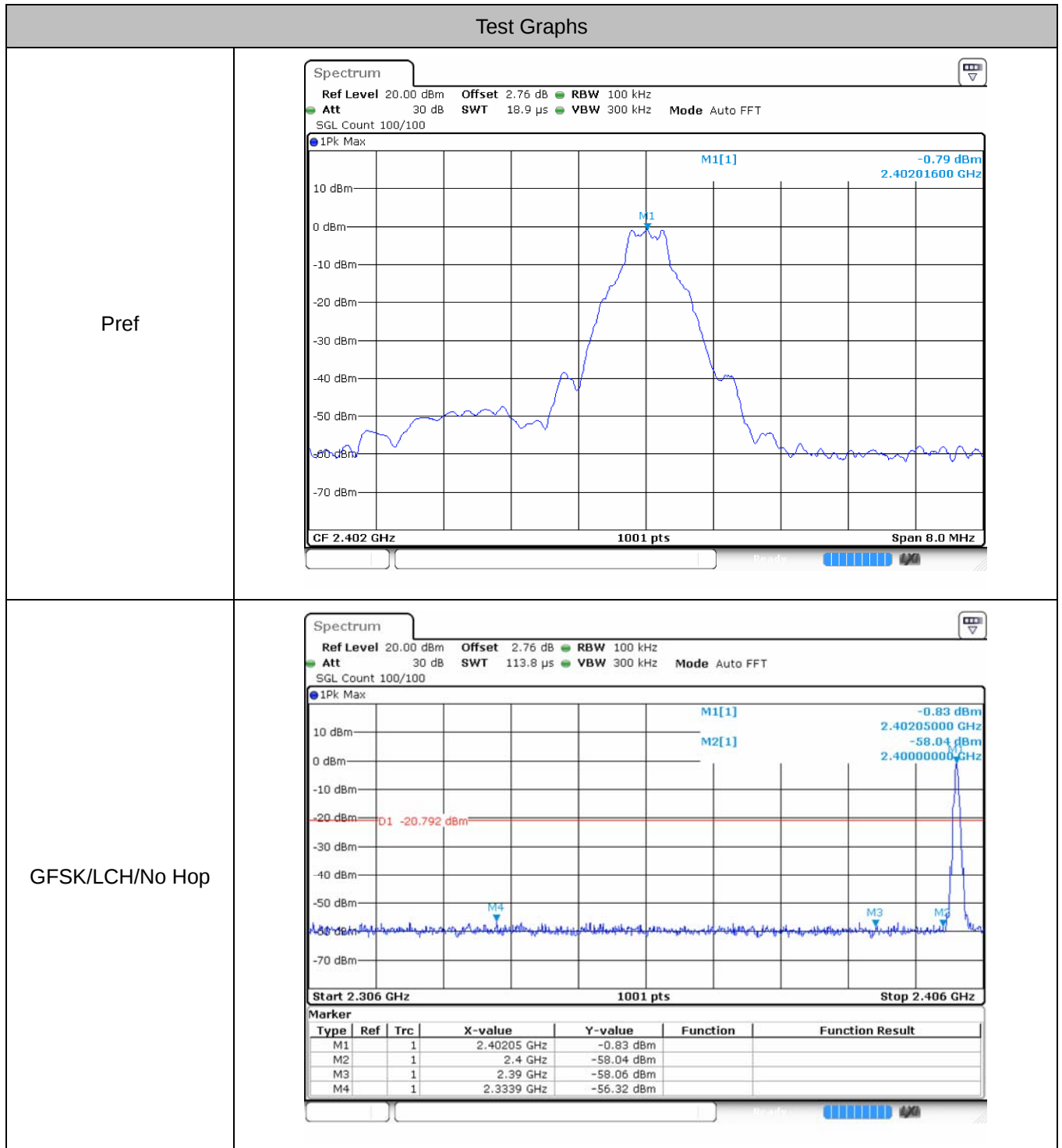


8 Band-edge for RF Conducted Emissions

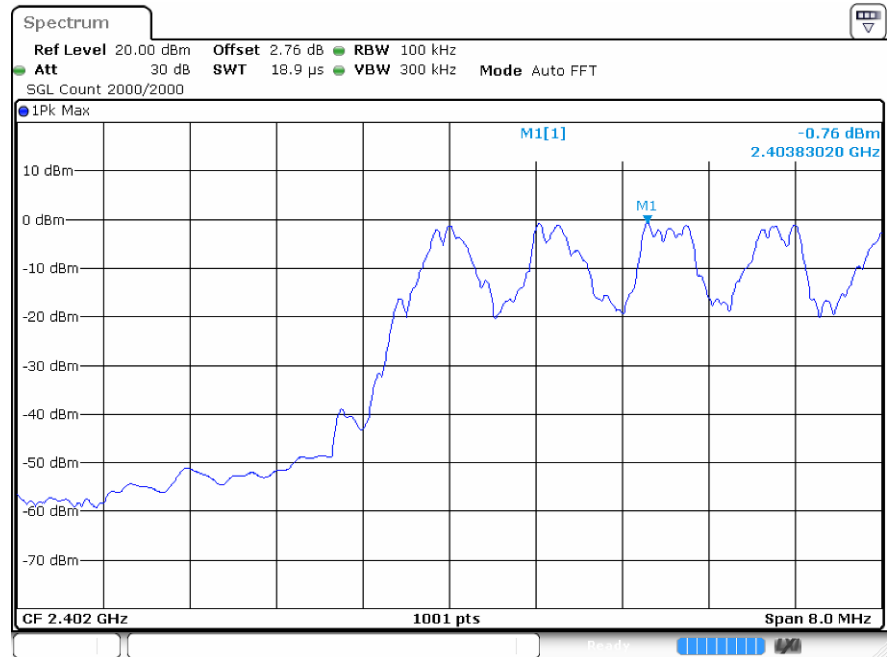
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-55.53	-20	Pass
			On	-54.41	-20	Pass
	HCH	2480	Off	-53.8	-20	Pass
			On	-54.35	-20	Pass

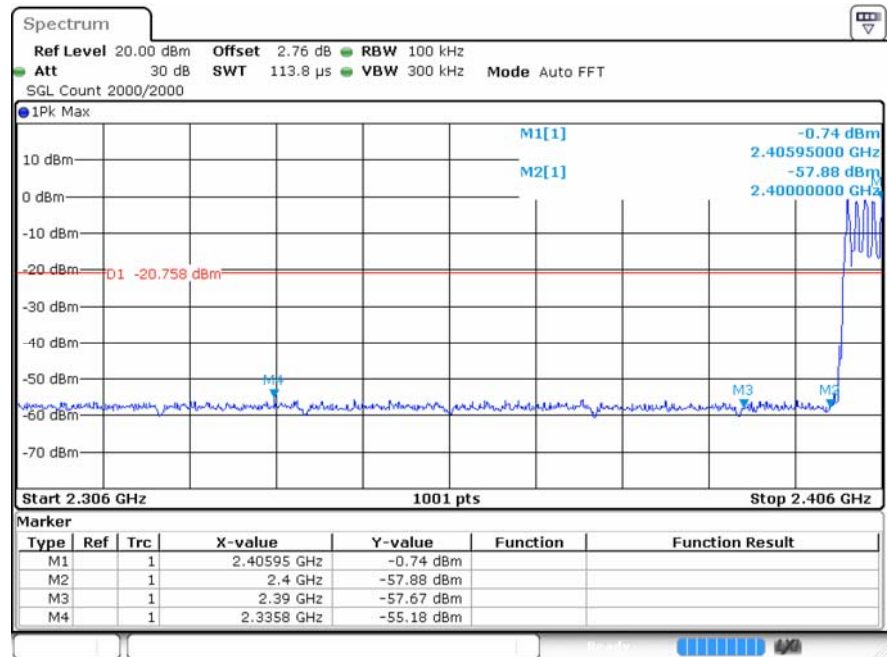
8.2 Test Graphs



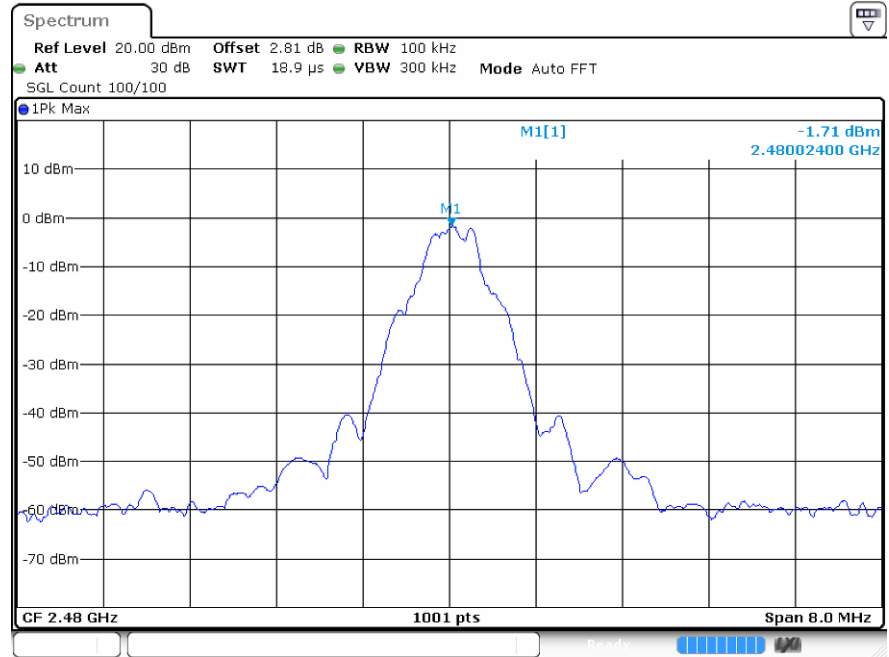
Ref



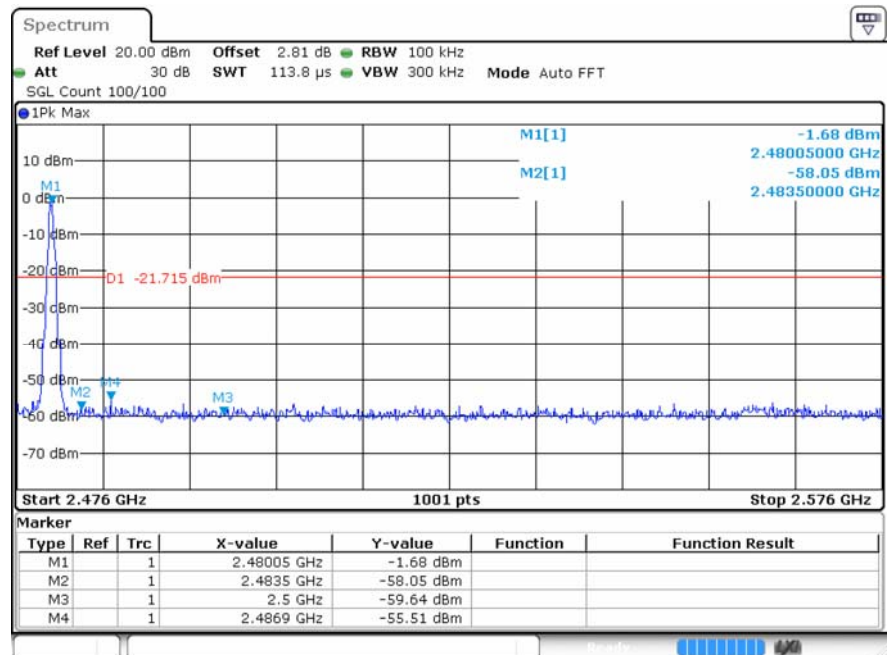
GFSK/LCH/Hop



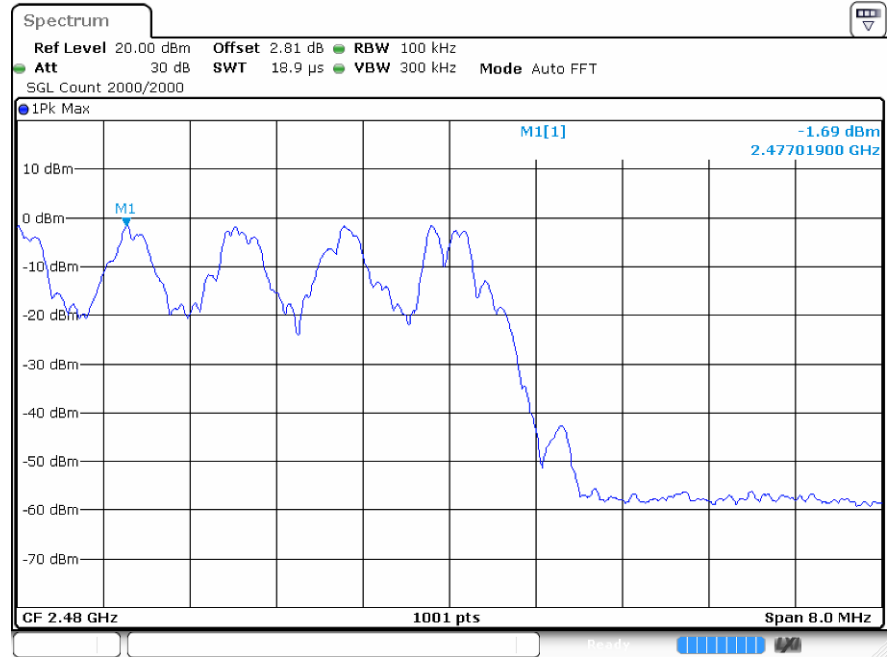
Ref



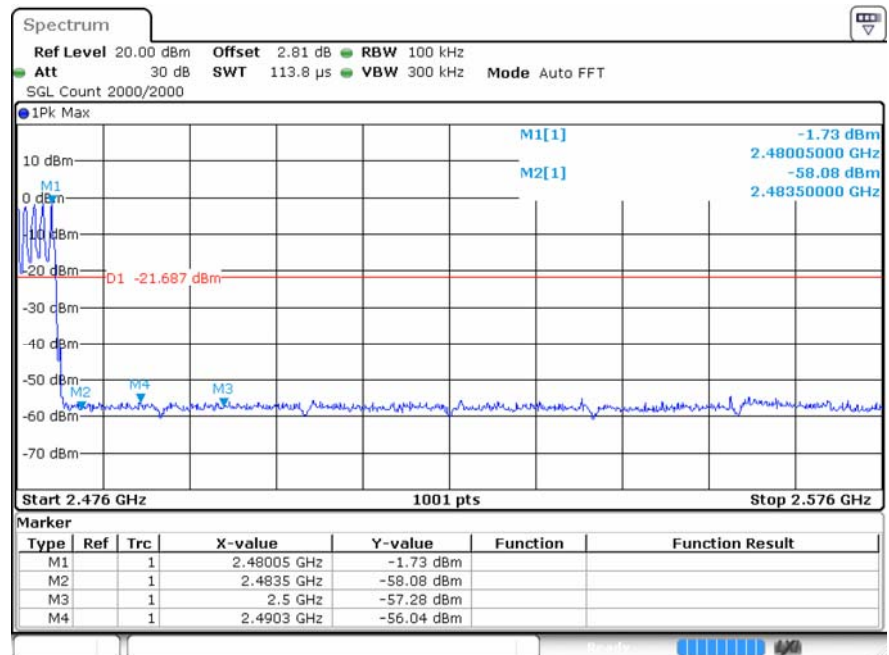
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



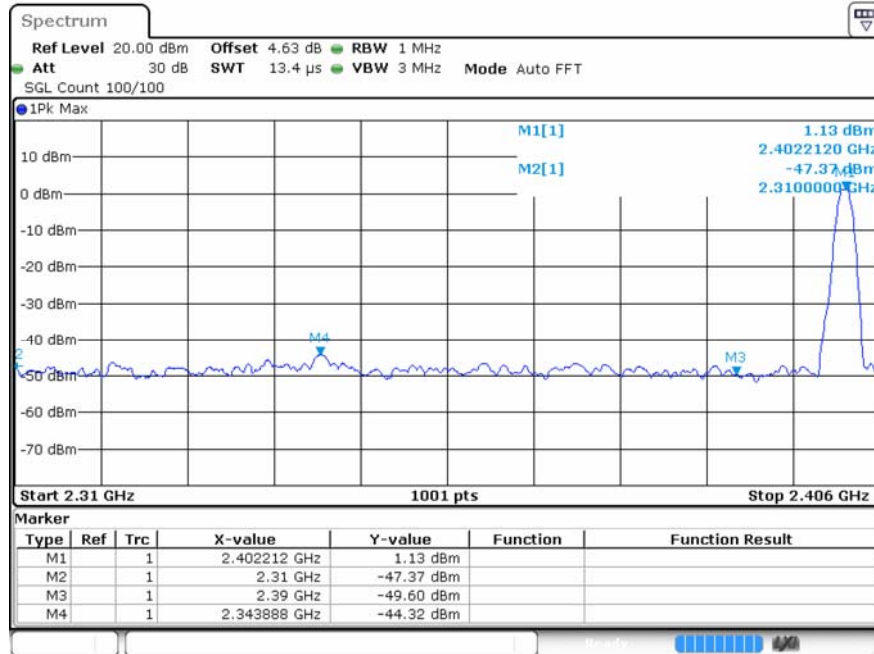
9 Restrict-band band-edge measurements

9.1 Test Result

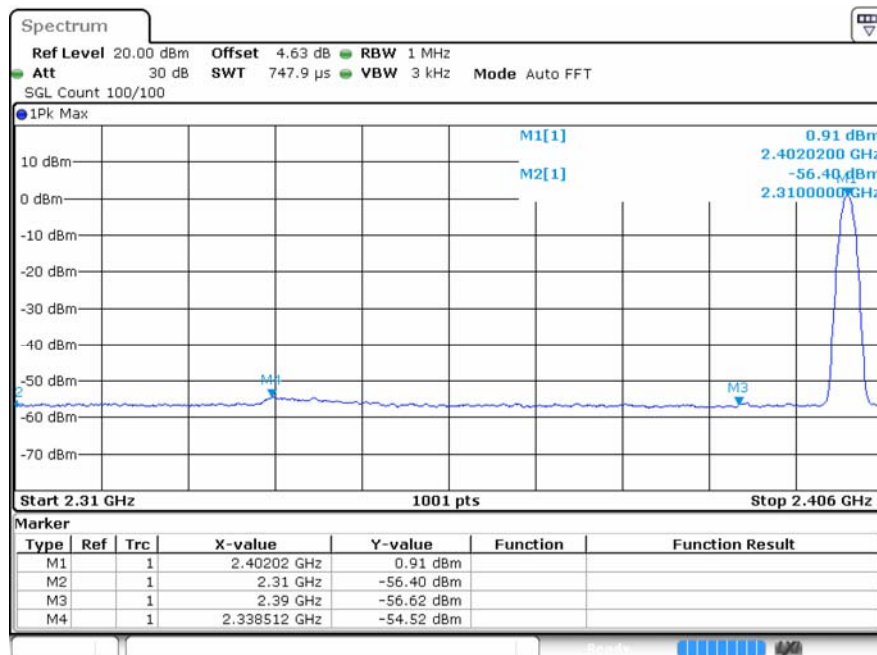
Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-47.37	2	49.89	PEAK	74	Pass
	Off	2310.0	-56.39	2	40.87	AV	54	Pass
	Off	2343.888	-44.31	2	52.95	PEAK	74	Pass
	Off	2338.512	-54.52	2	42.74	AV	54	Pass
	Off	2390.0	-49.6	2	47.66	PEAK	74	Pass
	Off	2390.0	-56.61	2	40.65	AV	54	Pass
	Off	2483.5	-48.34	2	48.92	PEAK	74	Pass
	Off	2483.5	-55.97	2	41.29	AV	54	Pass
	Off	2484.232	-46.53	2	50.73	PEAK	74	Pass
	Off	2488.576	-55.61	2	41.65	AV	54	Pass
	Off	2500.0	-47.75	2	49.51	PEAK	74	Pass
	Off	2500.0	-56.05	2	41.21	AV	54	Pass

9.2 Test Graphs

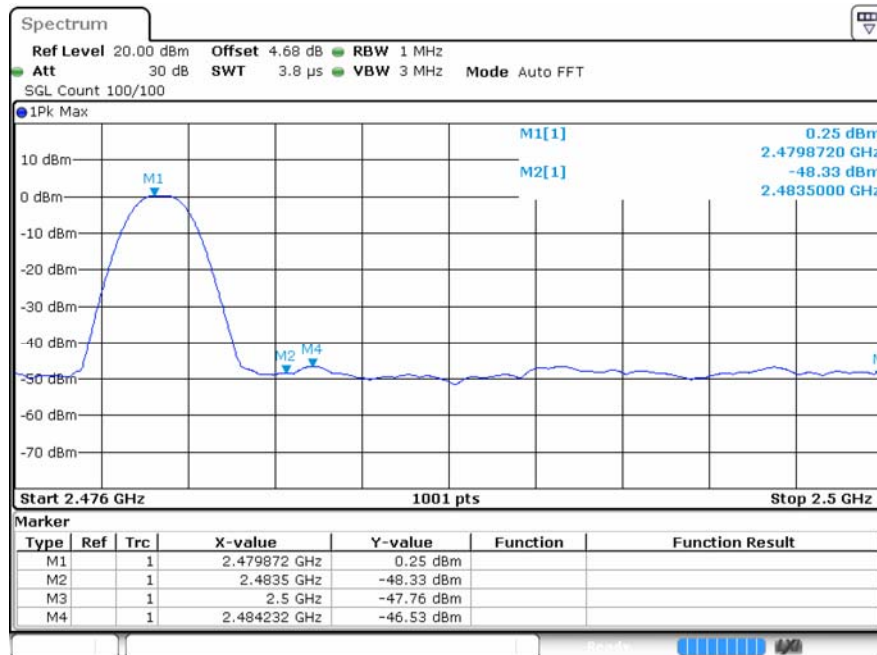
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



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)

