



Appendix A

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

Product Name: FK328 Foldable Keyboard

Trade Mark: N/A

Test Model: FK328

Environmental Conditions

Temperature:	18.3℃
Relative Humidity:	51.0%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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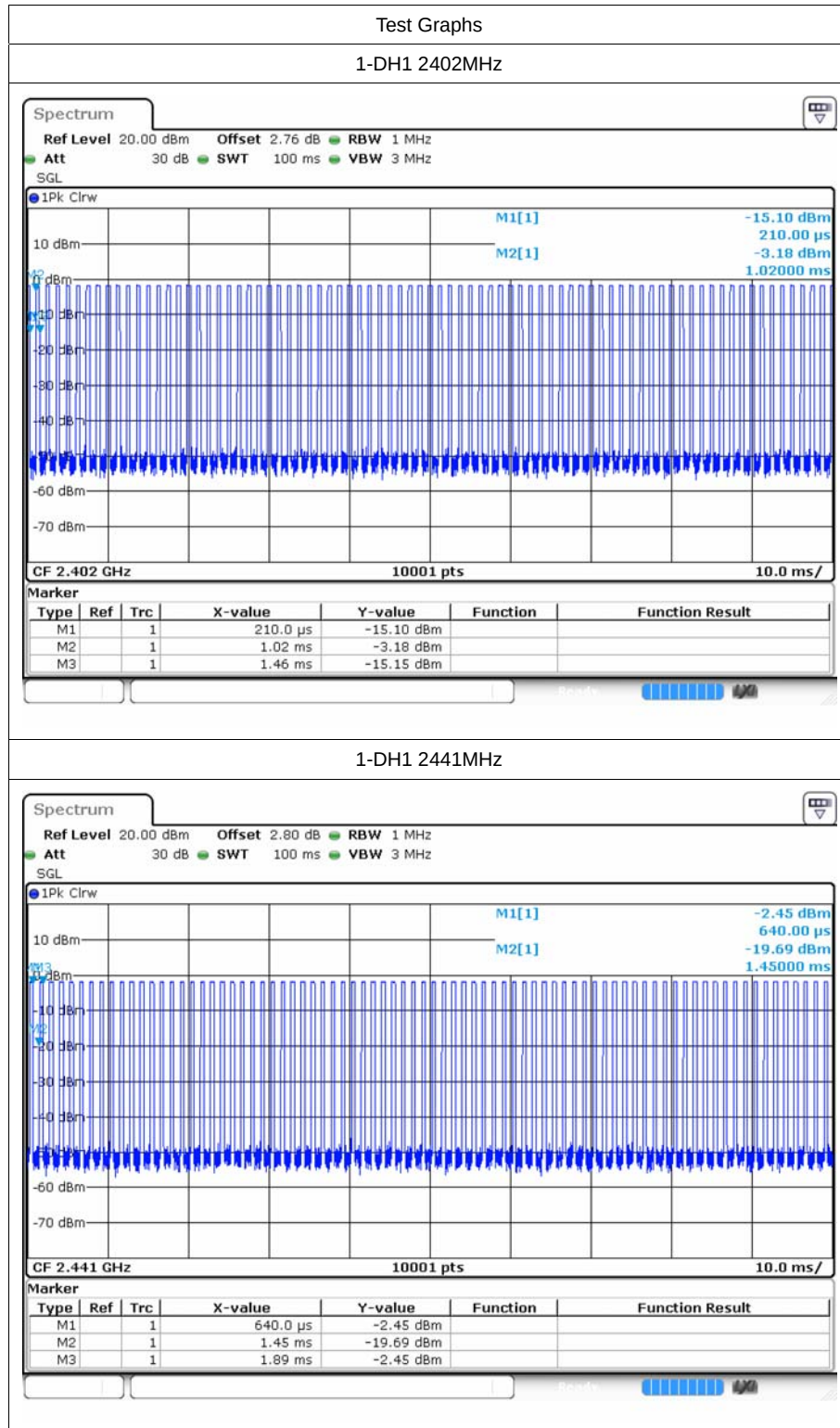


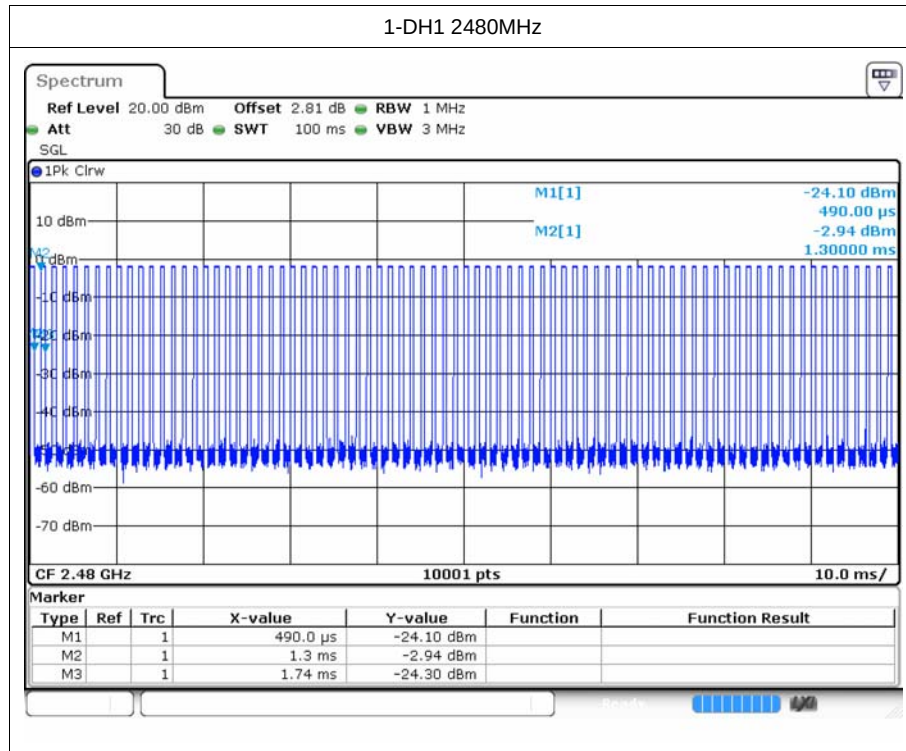
1 Duty Cycle

1.1 Test Result

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

1.2 Test Graphs



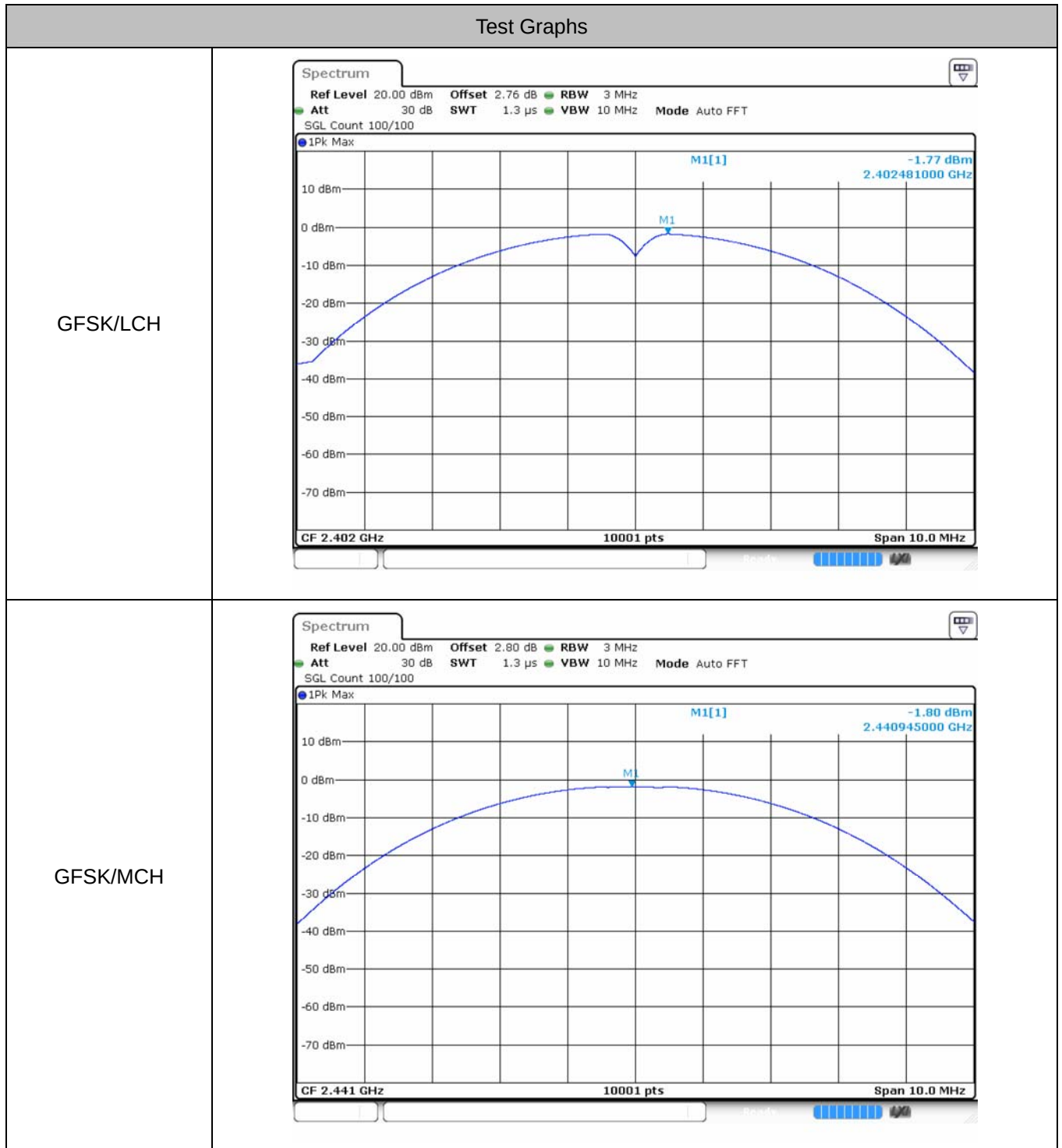


2 Maximum Conducted Peak Output Power

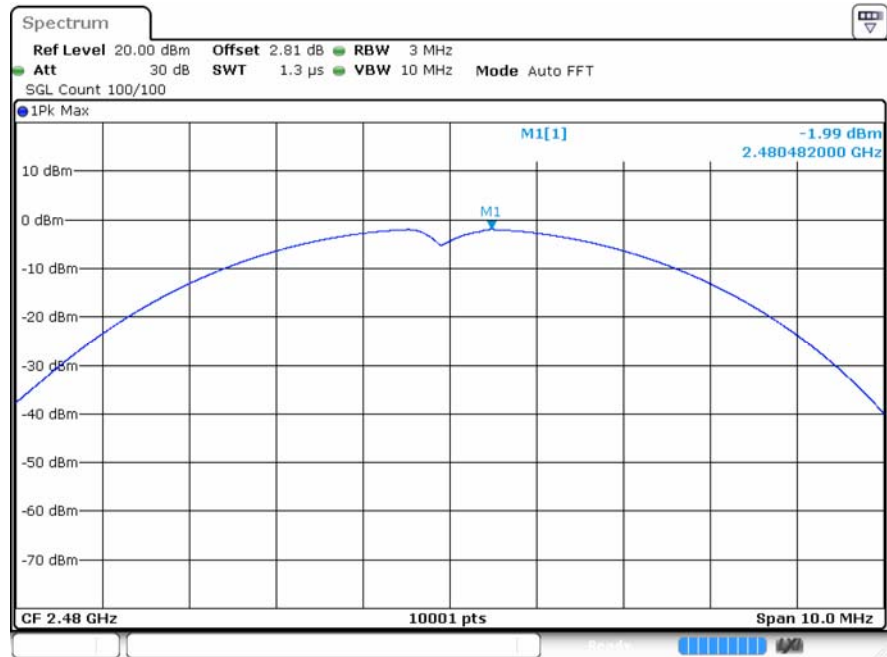
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-1.77	21	Pass
	MCH	-1.8	21	Pass
	HCH	-1.99	21	Pass

2.2 Test Graphs



GFSK/HCH

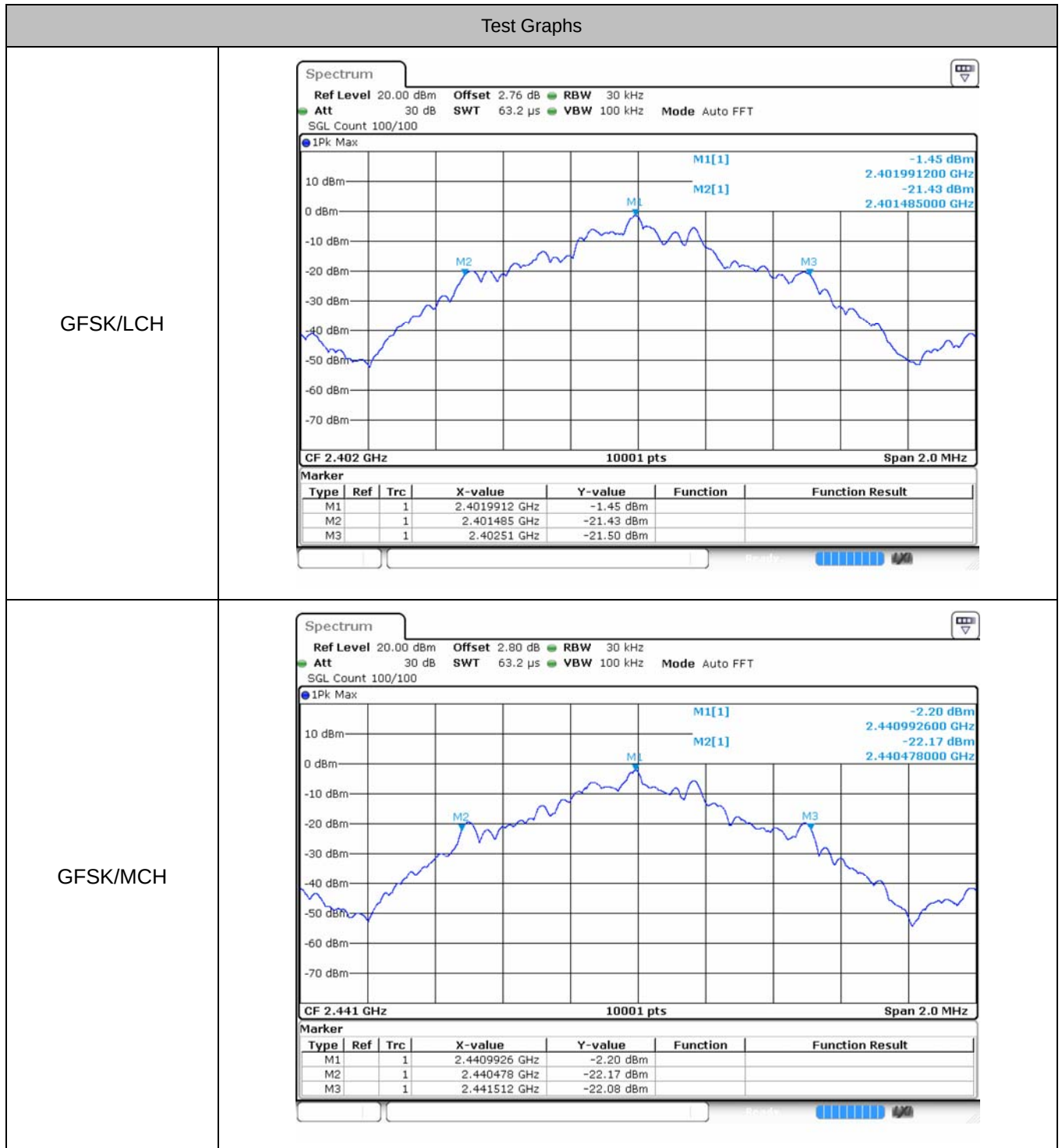


3 20dB Bandwidth

3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.025	Not Specified	Pass
	MCH	1.034	Not Specified	Pass
	HCH	0.808	Not Specified	Pass

3.2 Test Graphs





GFSK/HCH

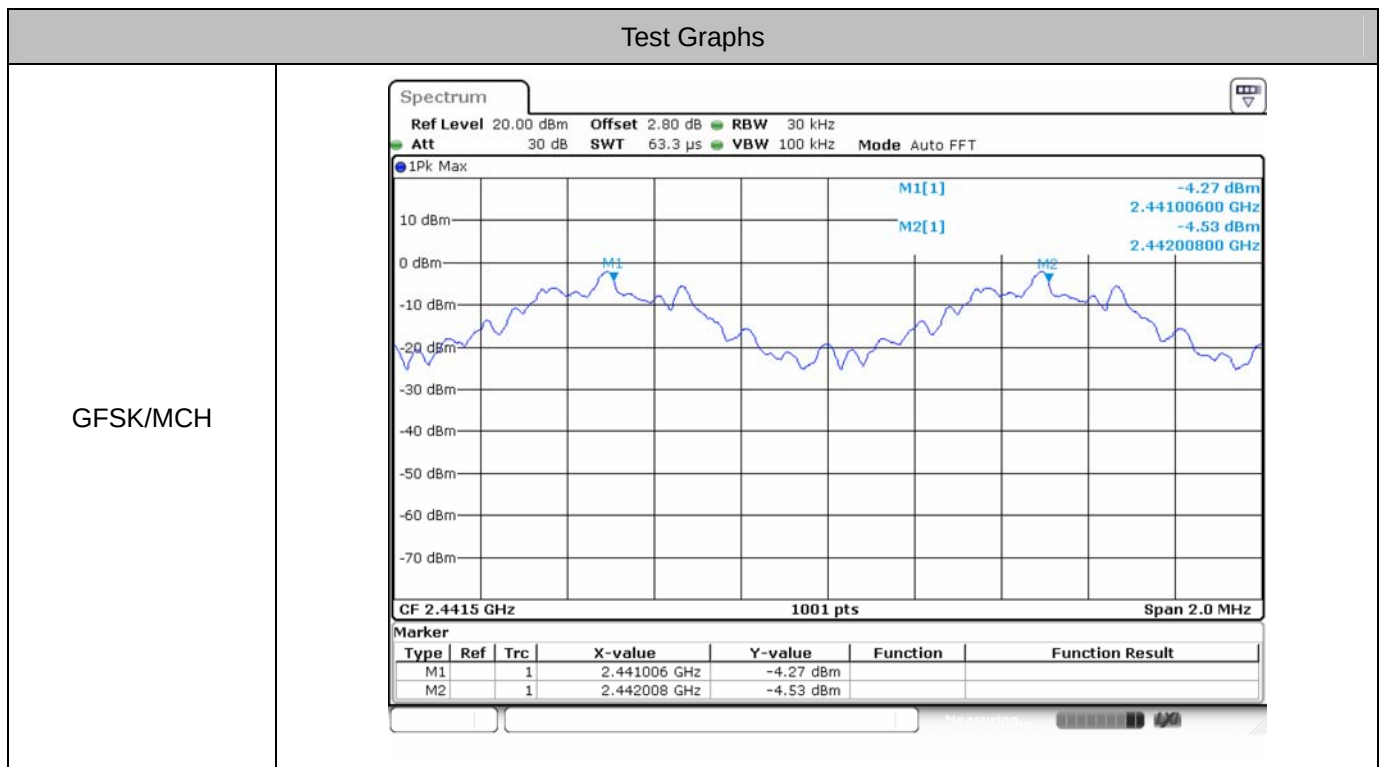


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	1.002	0.689	Pass

4.2 Test Graphs



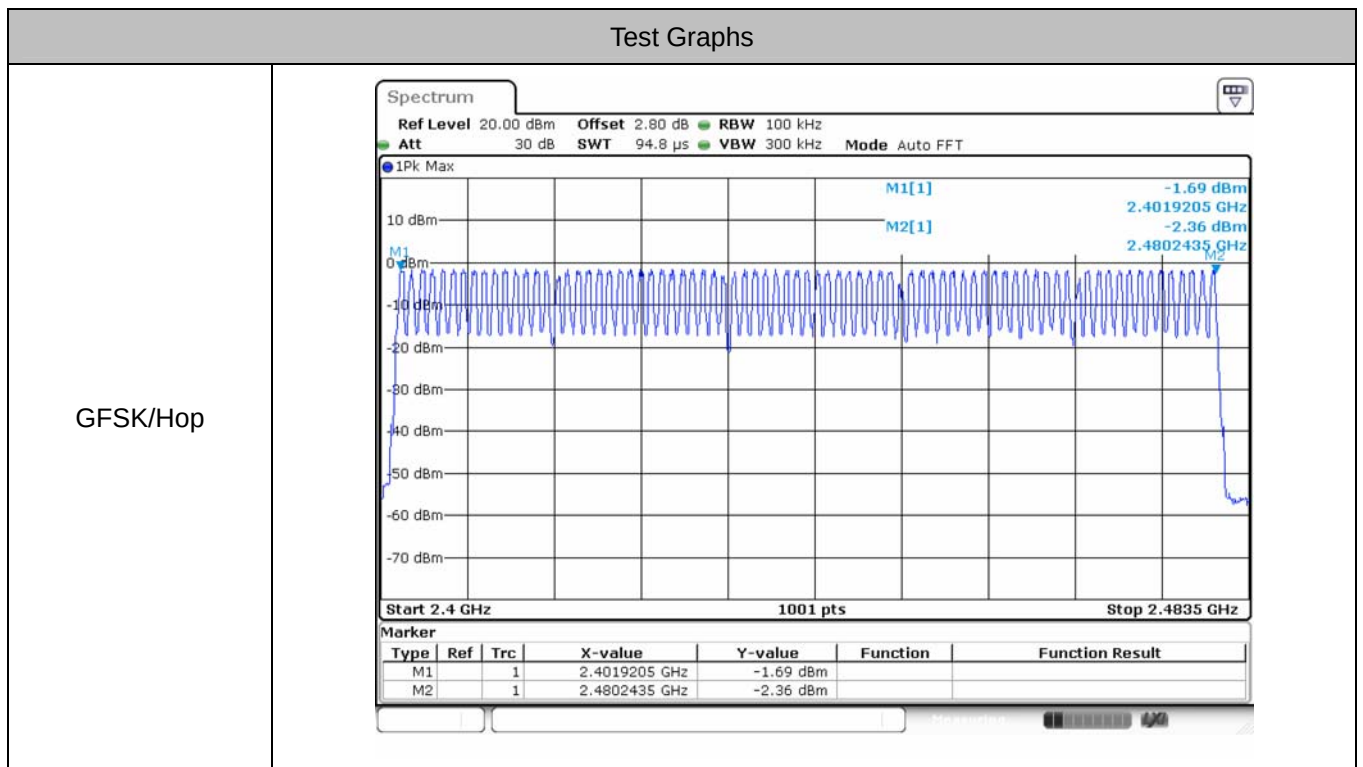


5 Hopping Channel Number

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

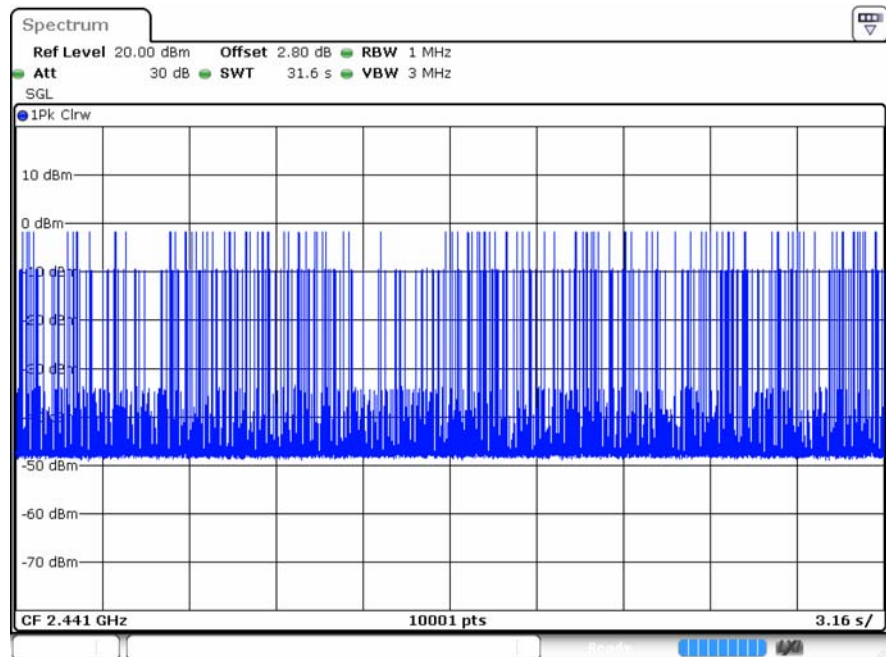
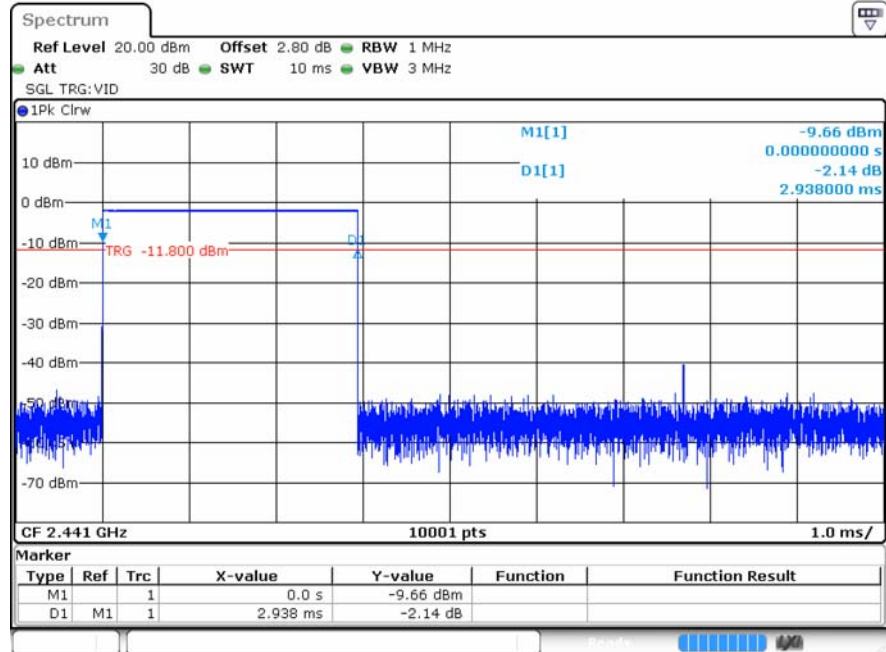
6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.938	112	329.056	0.4	Pass

6.2 Test Graphs

Test Graphs

GFSK_DH5/MCH

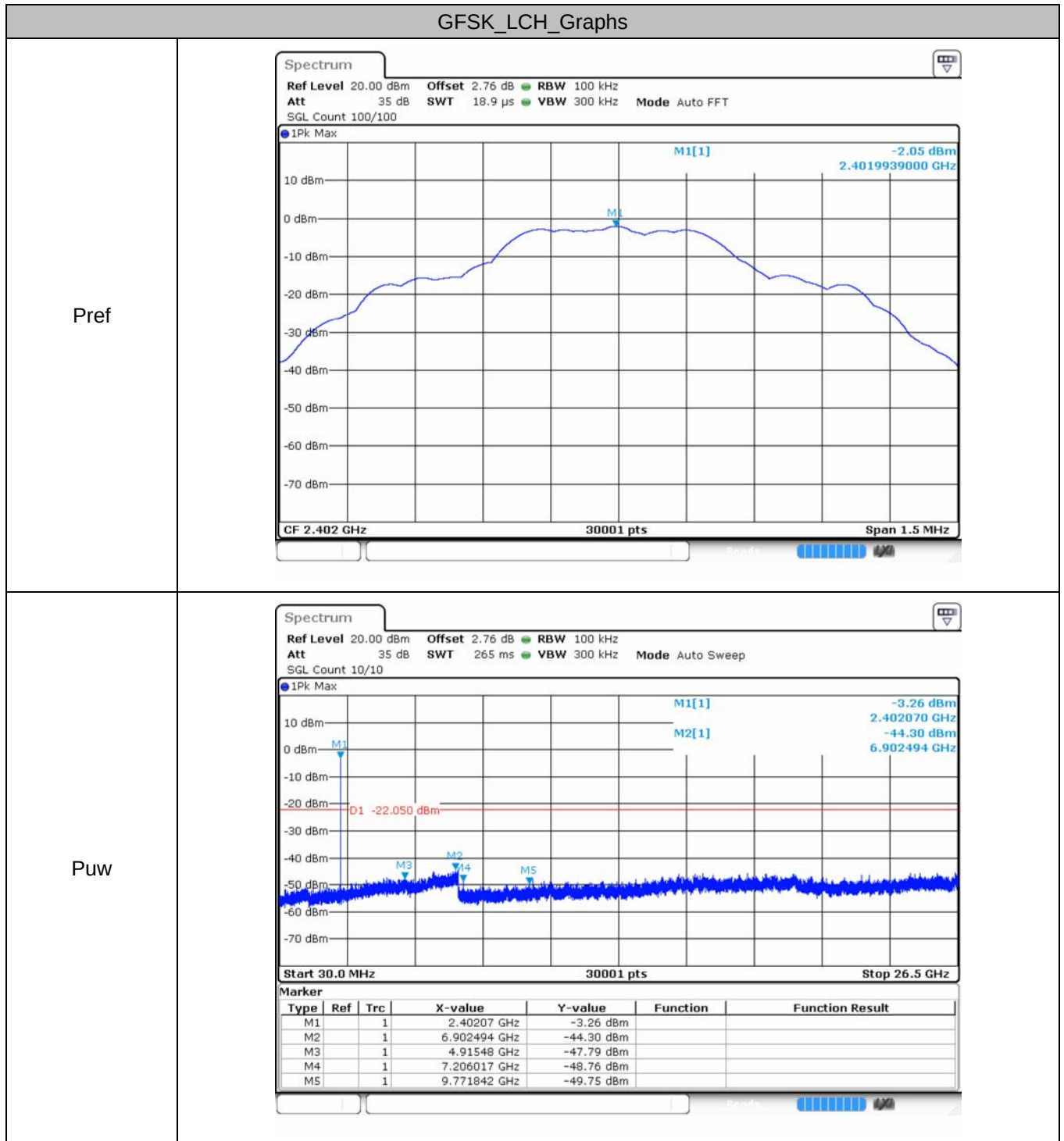


7 RF Conducted Spurious Emissions

7.1 Test Result

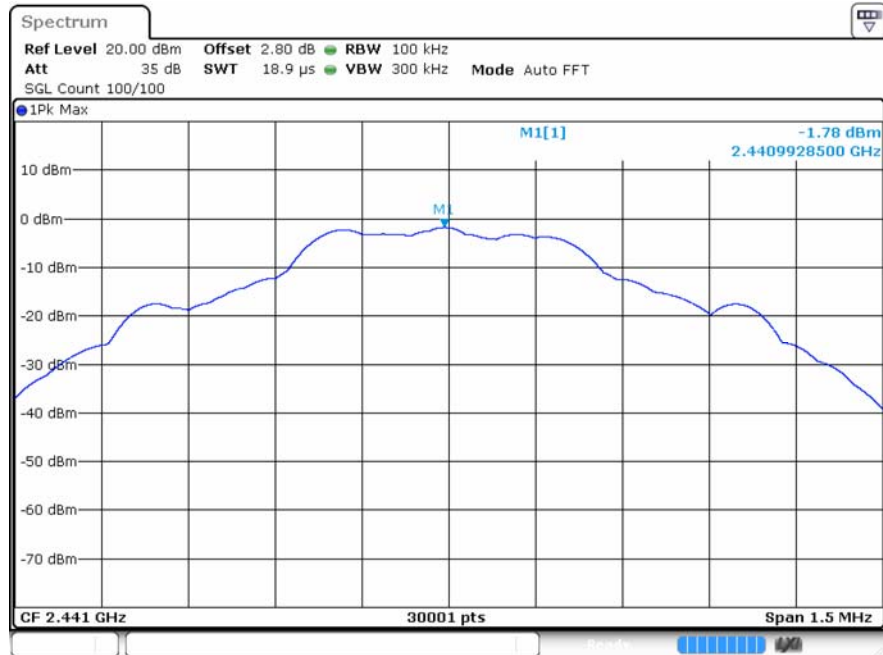
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-42.24	-20	Pass
	MCH	-42.12	-20	Pass
	HCH	-42.42	-20	Pass

7.2 Test Graphs

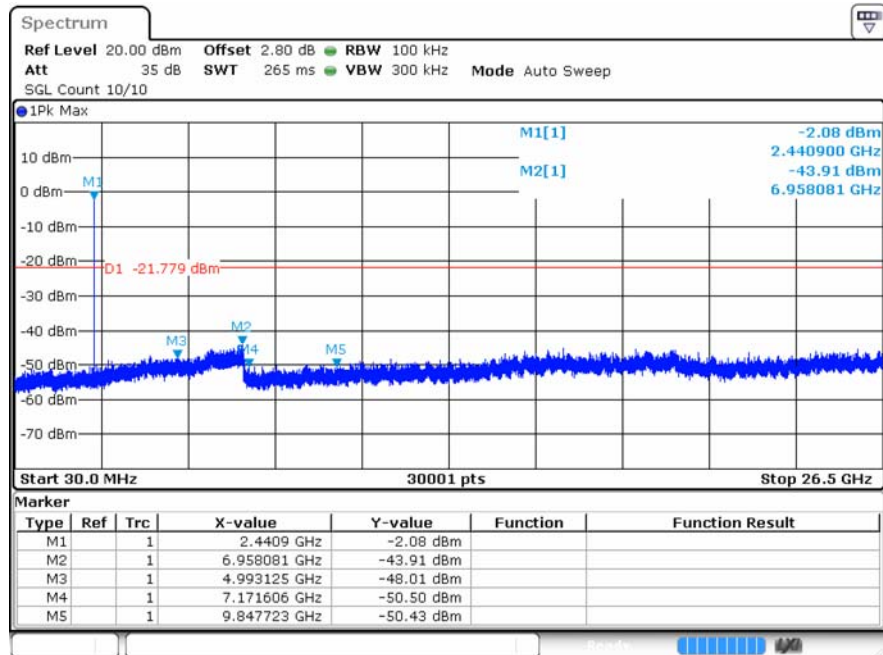


GFSK_MCH_Graphs

Pref

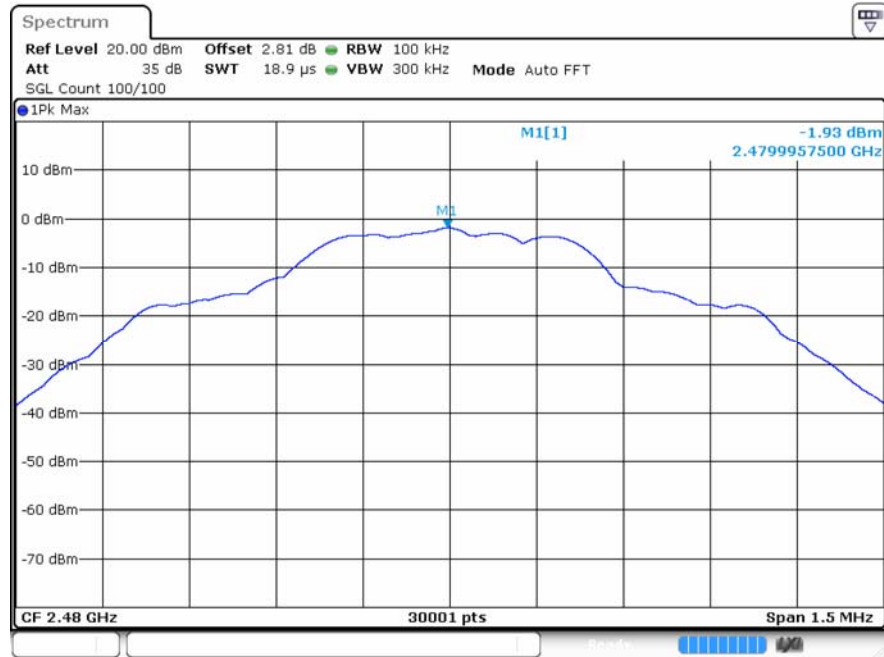


Puw

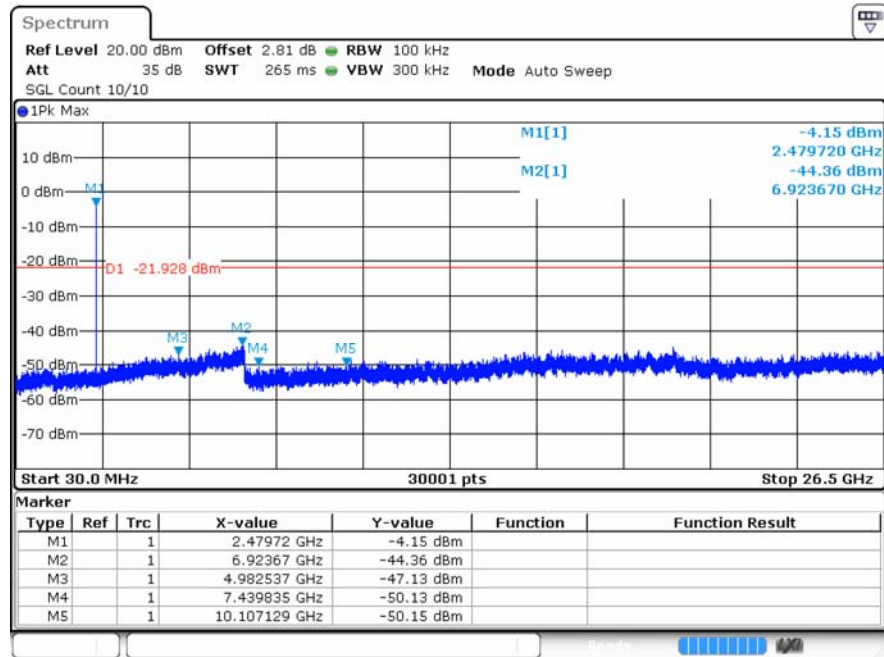


GFSK_HCH_Graphs

Pref



Puw

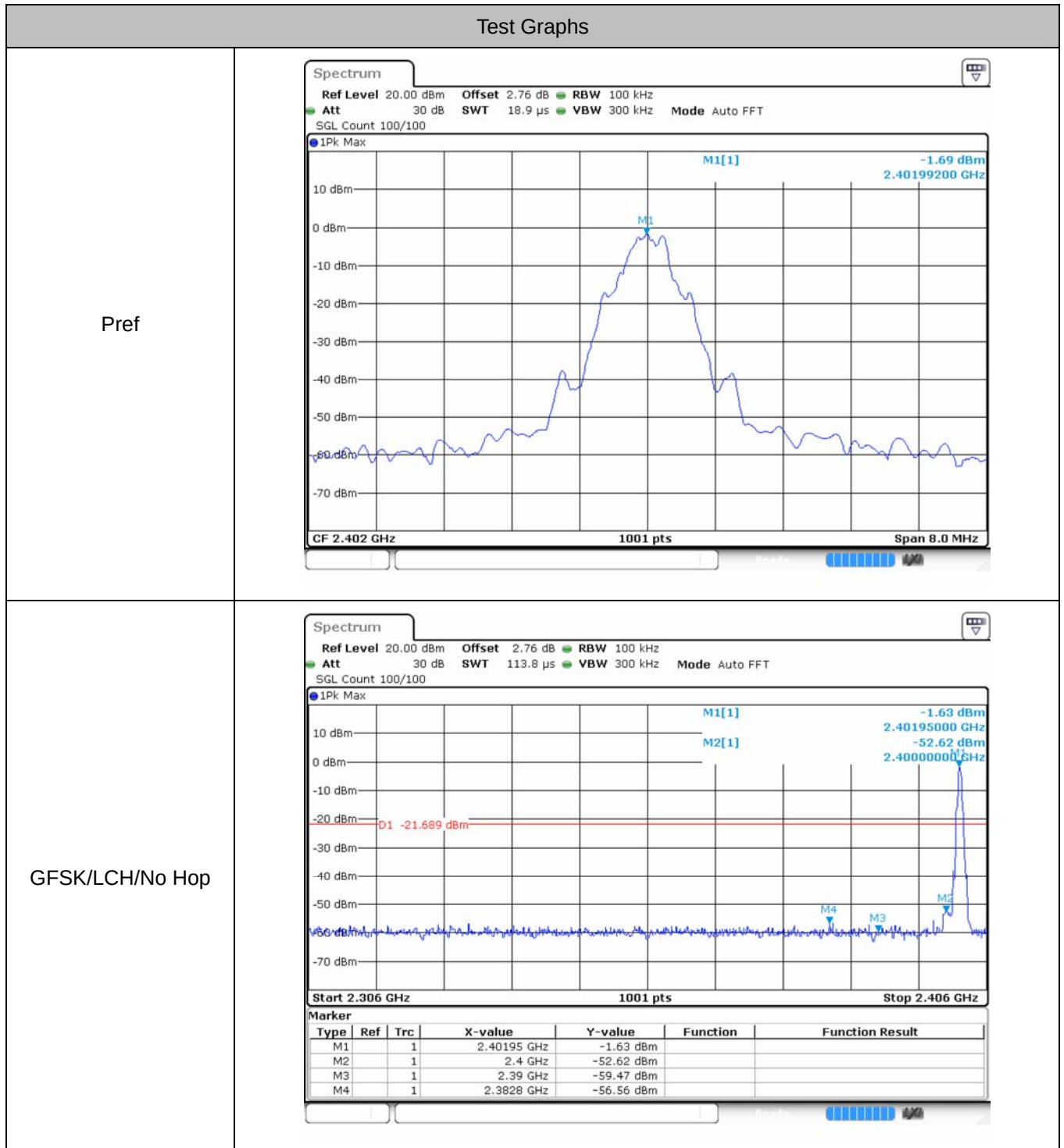


8 Band-edge for RF Conducted Emissions

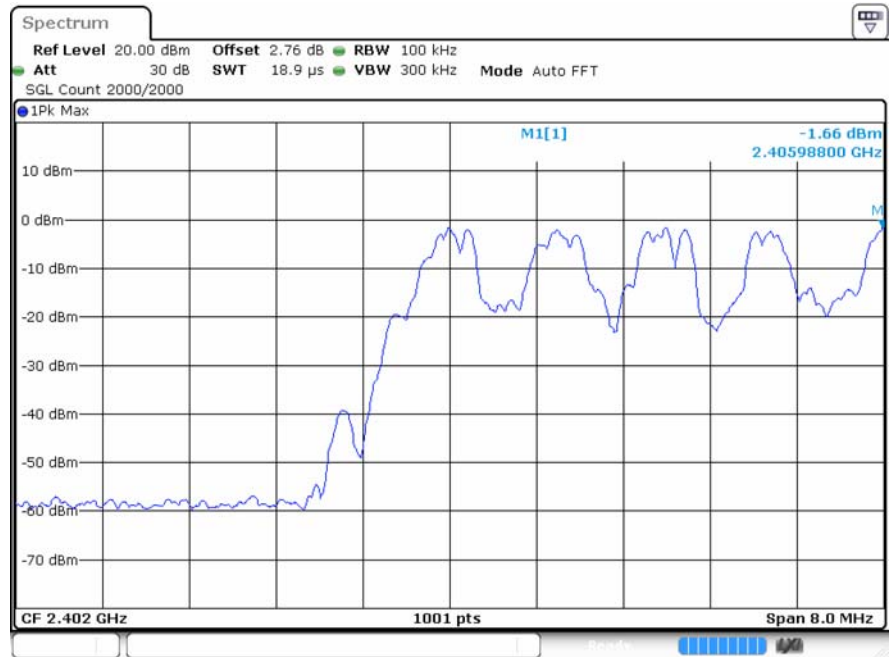
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-54.86	-20	Pass
			On	-53.93	-20	Pass
	HCH	2480	Off	-54.02	-20	Pass
			On	-54.31	-20	Pass

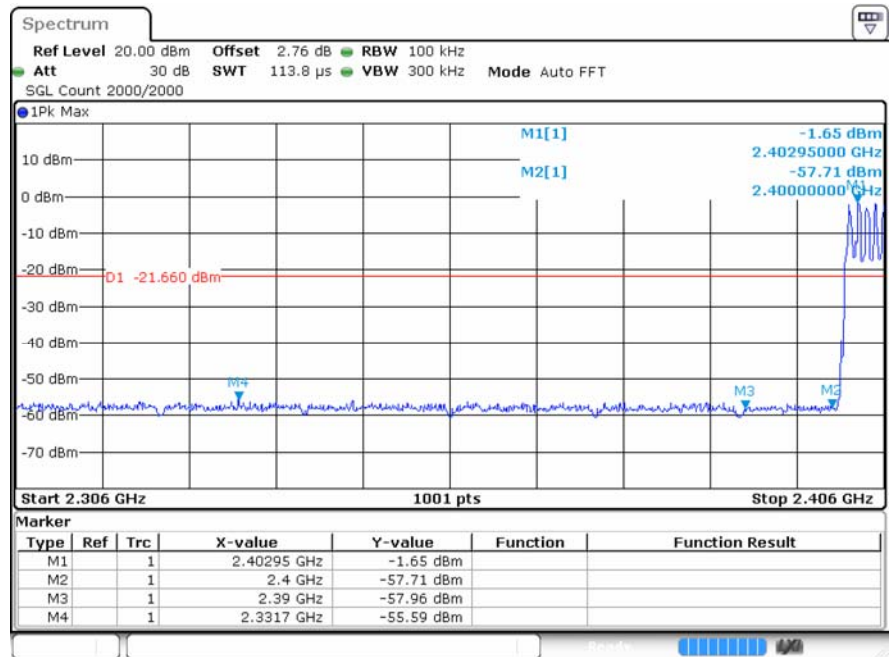
8.2 Test Graphs



Ref



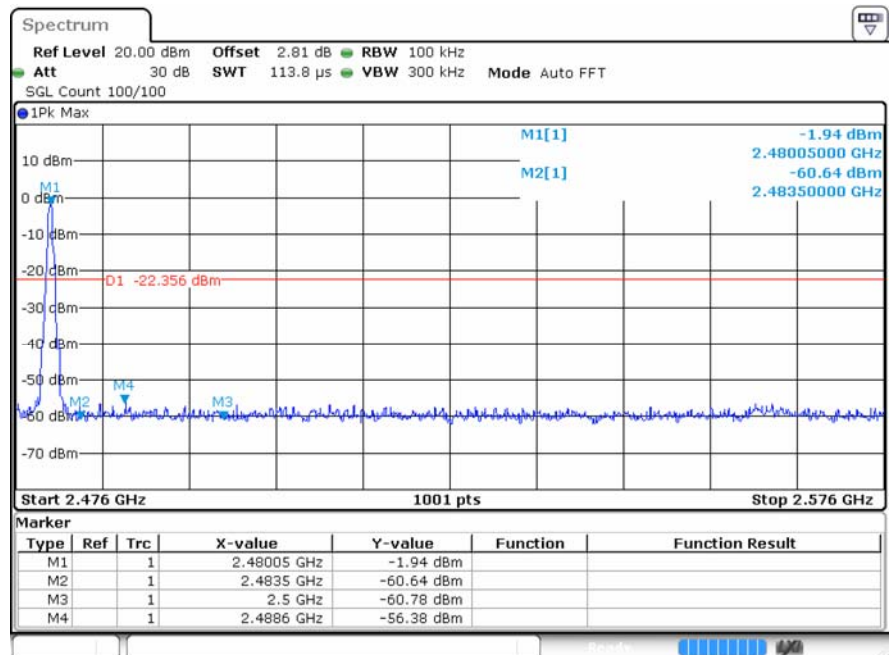
GFSK/LCH/Hop



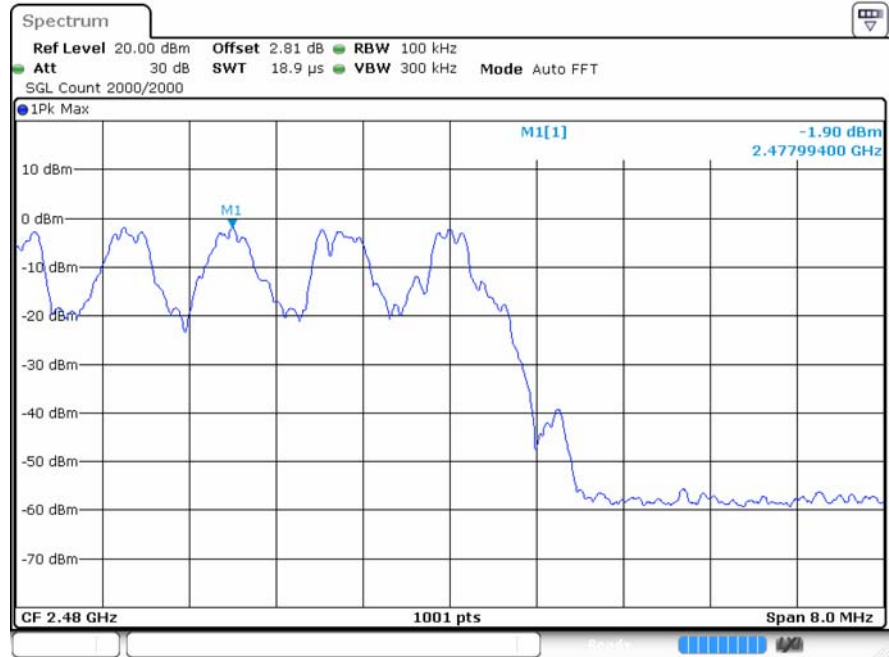
Ref



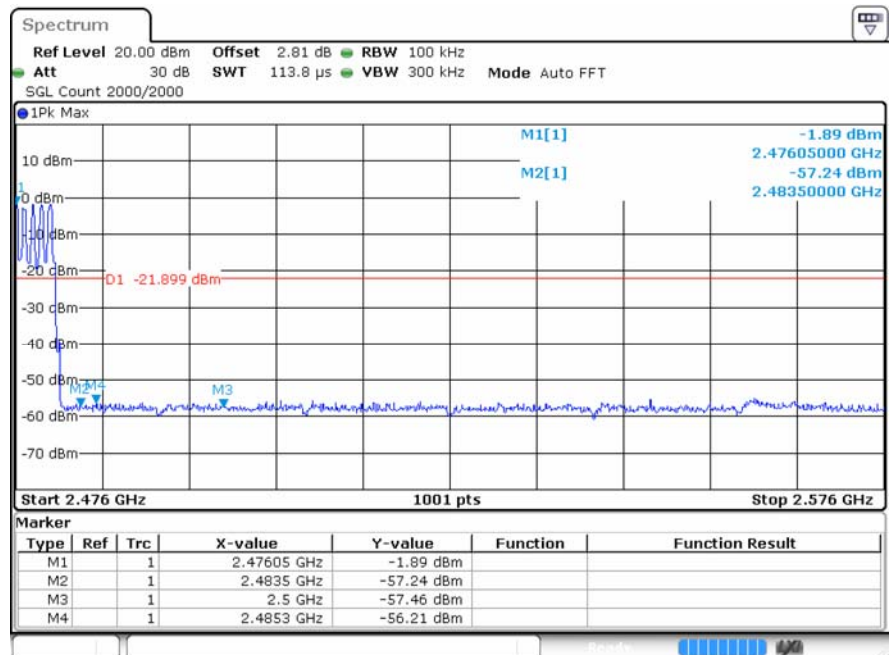
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



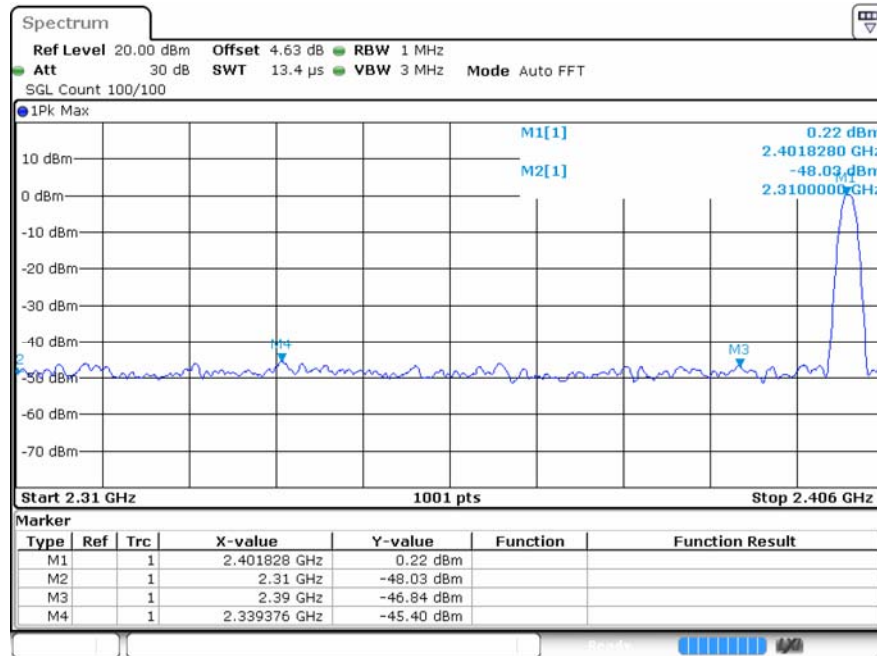
9 Restrict-band band-edge measurements

9.1 Test Result

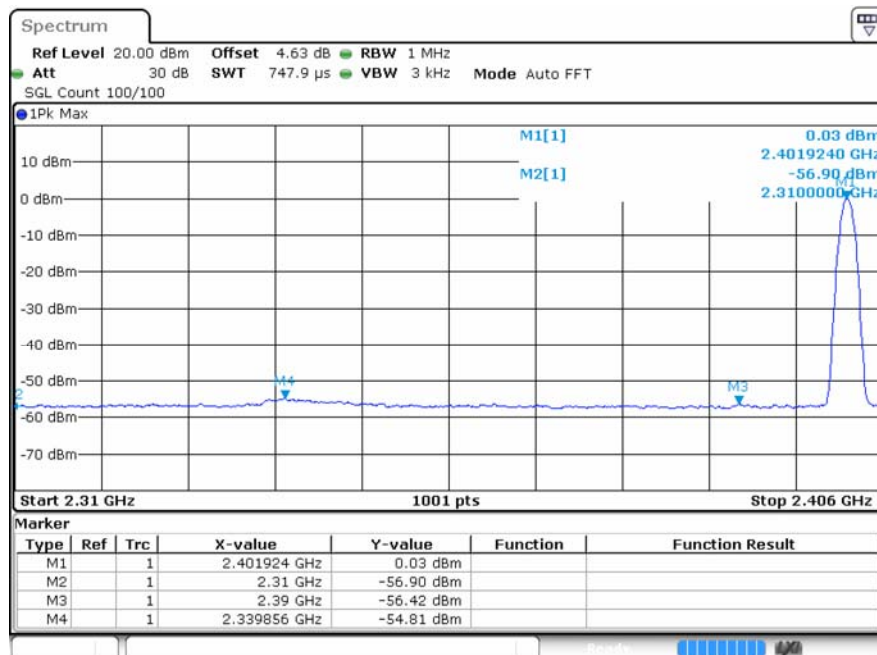
Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-48.03	2	49.23	PEAK	74	Pass
	Off	2310.0	-56.89	2	40.37	AV	54	Pass
	Off	2339.376	-45.4	2	51.86	PEAK	74	Pass
	Off	2339.856	-54.8	2	42.46	AV	54	Pass
	Off	2390.0	-46.84	2	50.42	PEAK	74	Pass
	Off	2390.0	-56.42	2	40.84	AV	54	Pass
	Off	2483.5	-48.86	2	48.4	PEAK	74	Pass
	Off	2483.5	-56.35	2	40.91	AV	54	Pass
	Off	2495.896	-46.11	2	51.15	PEAK	74	Pass
	Off	2484.448	-56.06	2	41.2	AV	54	Pass
	Off	2500.0	-50.48	2	46.78	PEAK	74	Pass
	Off	2500.0	-56.52	2	40.74	AV	54	Pass

9.2 Test Graphs

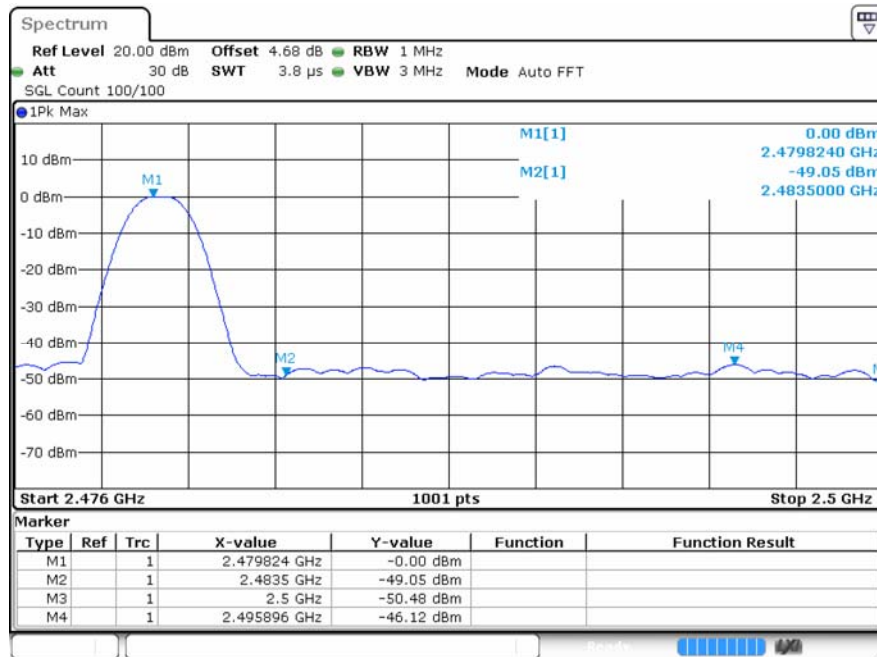
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



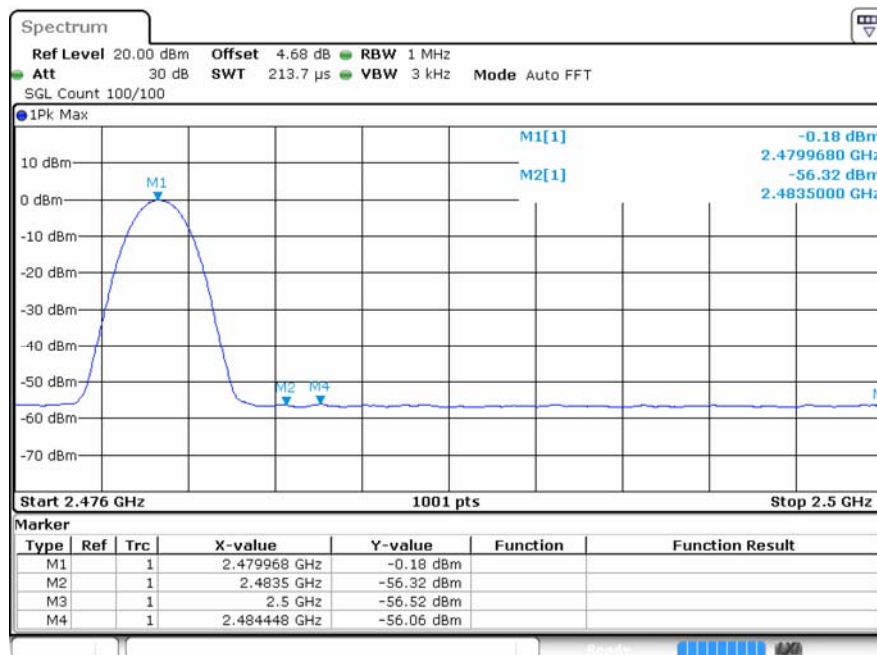
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



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



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



---The End---