



Appendix A

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

Product Name: Slim keyboard 2

Trade Mark: DEQSTER

Test Model: 90-2000106

Environmental Conditions

Temperature:	25.7°C
Relative Humidity:	58.6%
ATM Pressure:	101Kpa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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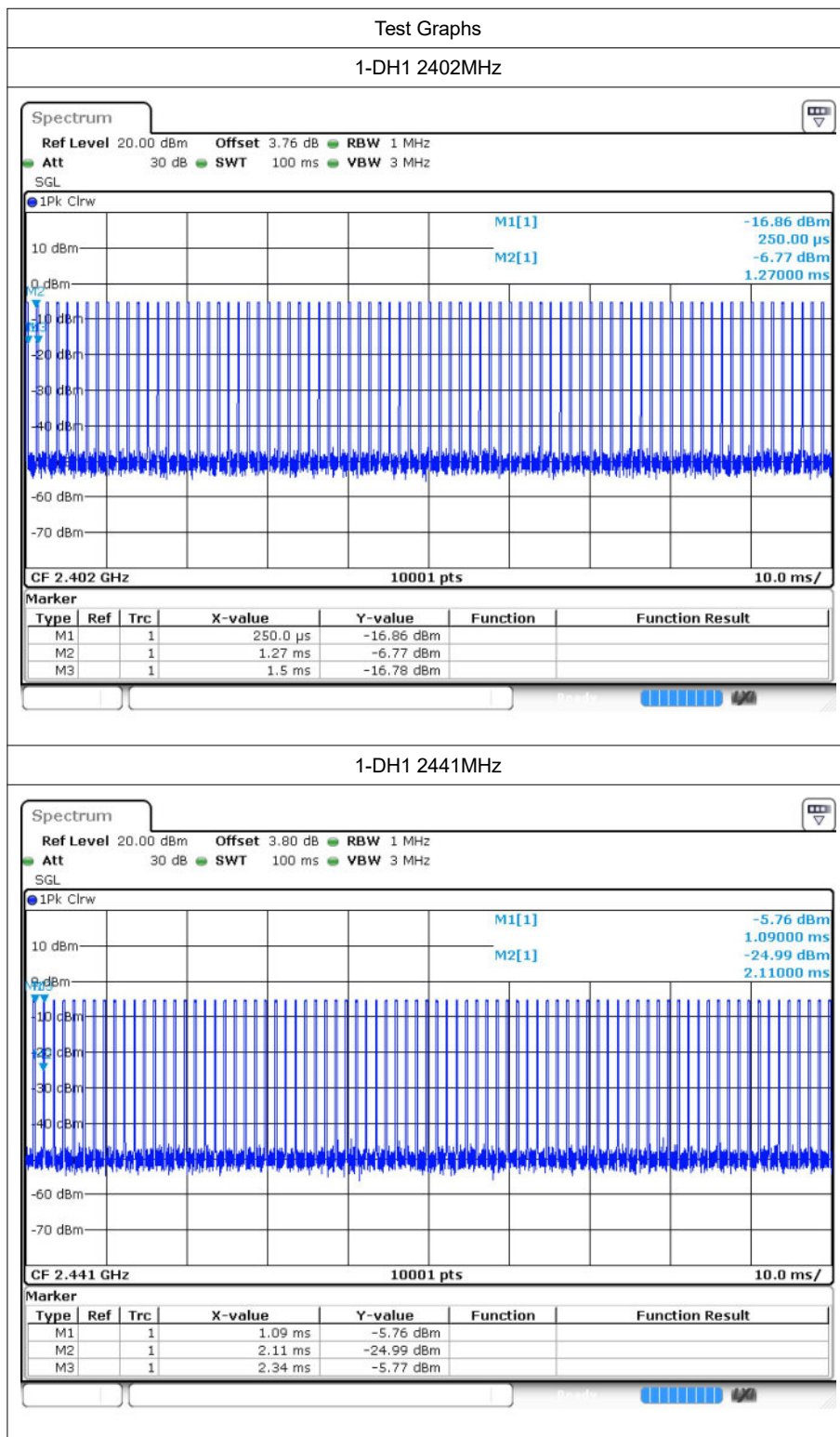


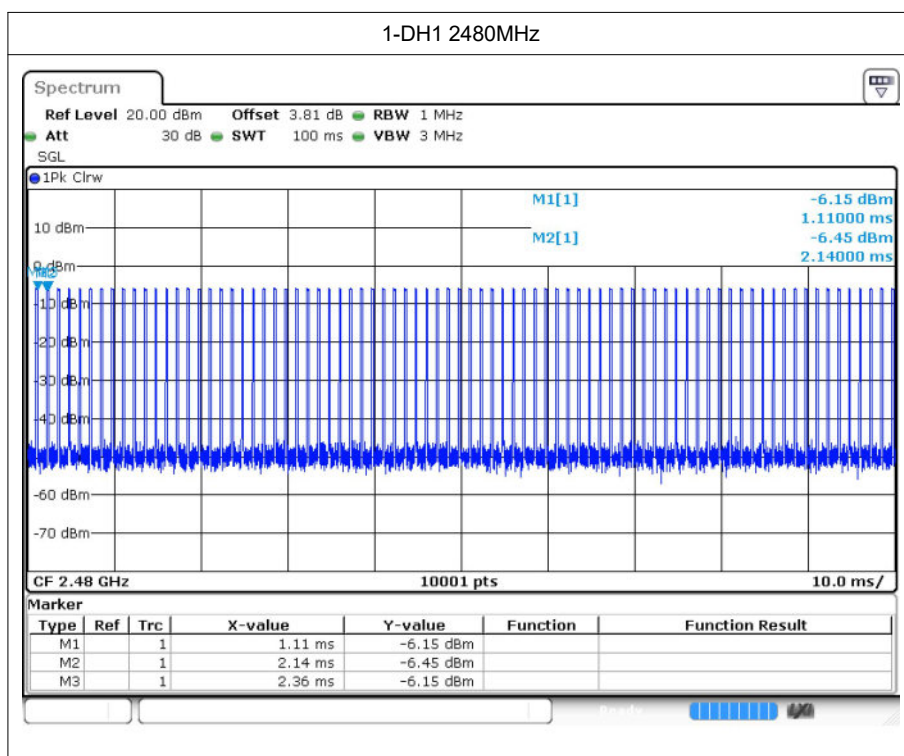
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
1-DH1	2402	19.2	7.17	4.35
1-DH1	2441	18.41	7.35	4.35
1-DH1	2480	18.4	7.35	4.55

1.2 Test Graphs



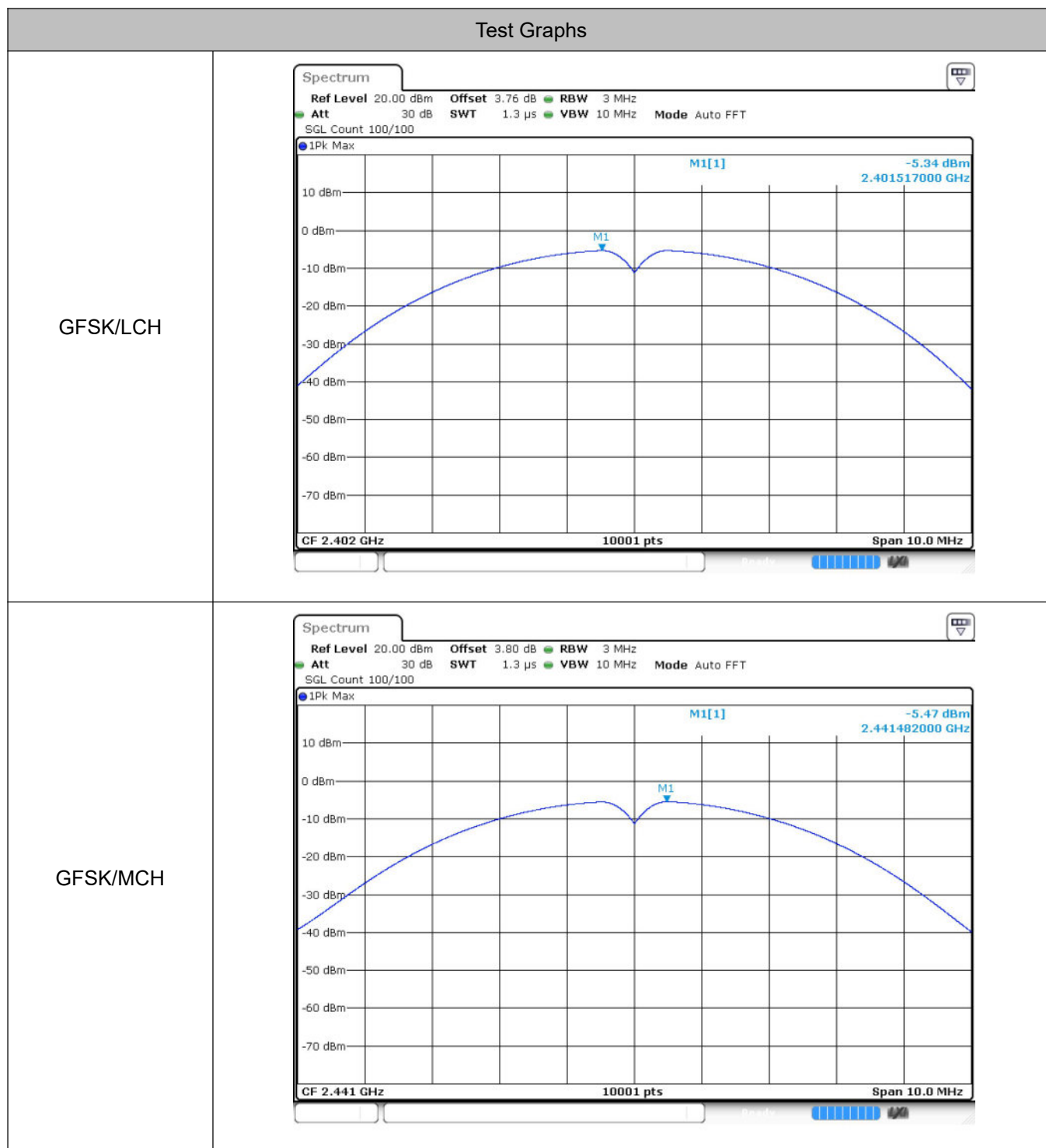


2 Maximum Conducted Peak Output Power

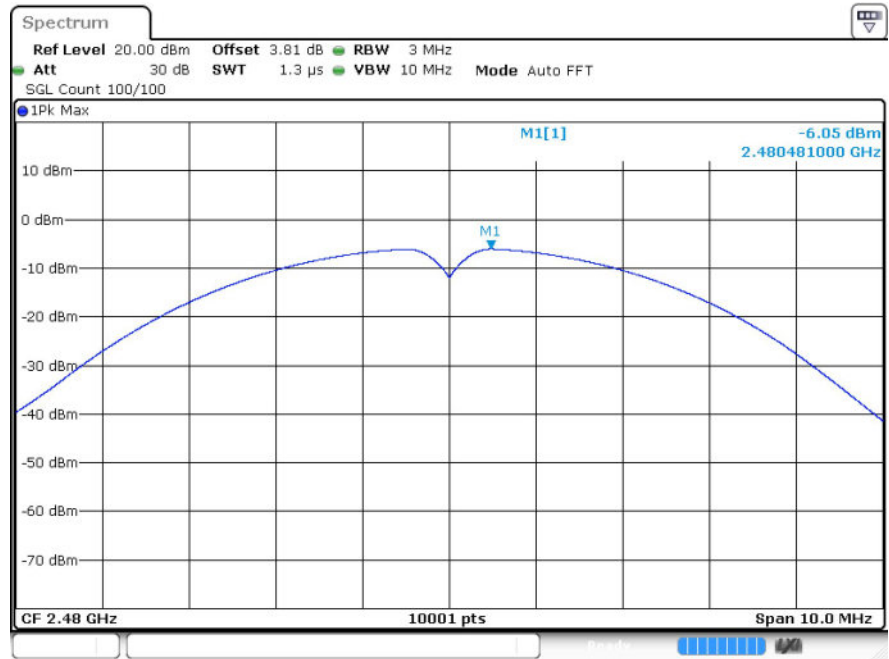
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-5.34	21	Pass
	MCH	-5.47	21	Pass
	HCH	-6.05	21	Pass

2.2 Test Graphs



GFSK/HCH

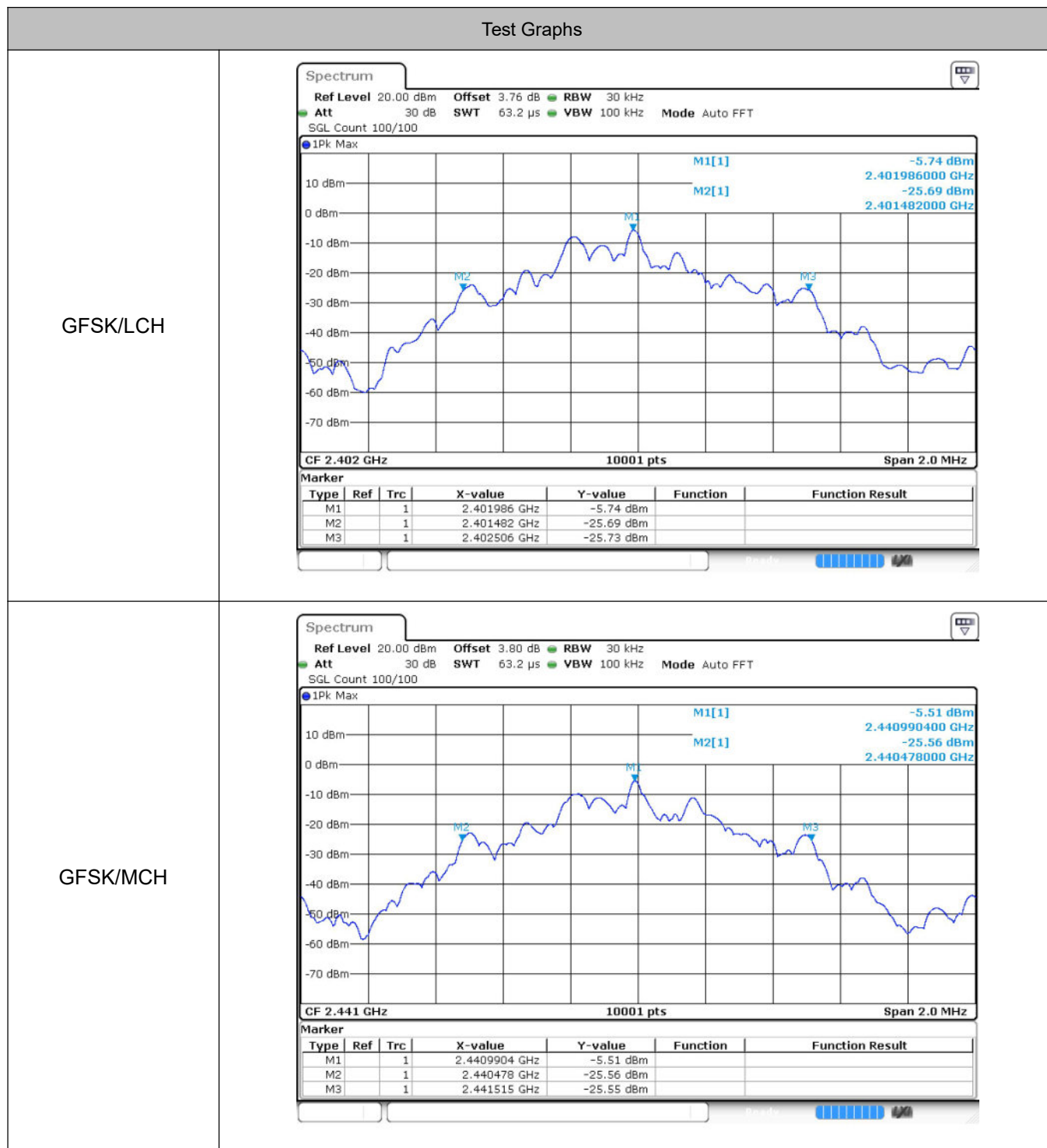


3 20dB Bandwidth

3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.025	Not Specified	Pass
	MCH	1.036	Not Specified	Pass
	HCH	1.037	Not Specified	Pass

3.2 Test Graphs



GFSK/HCH



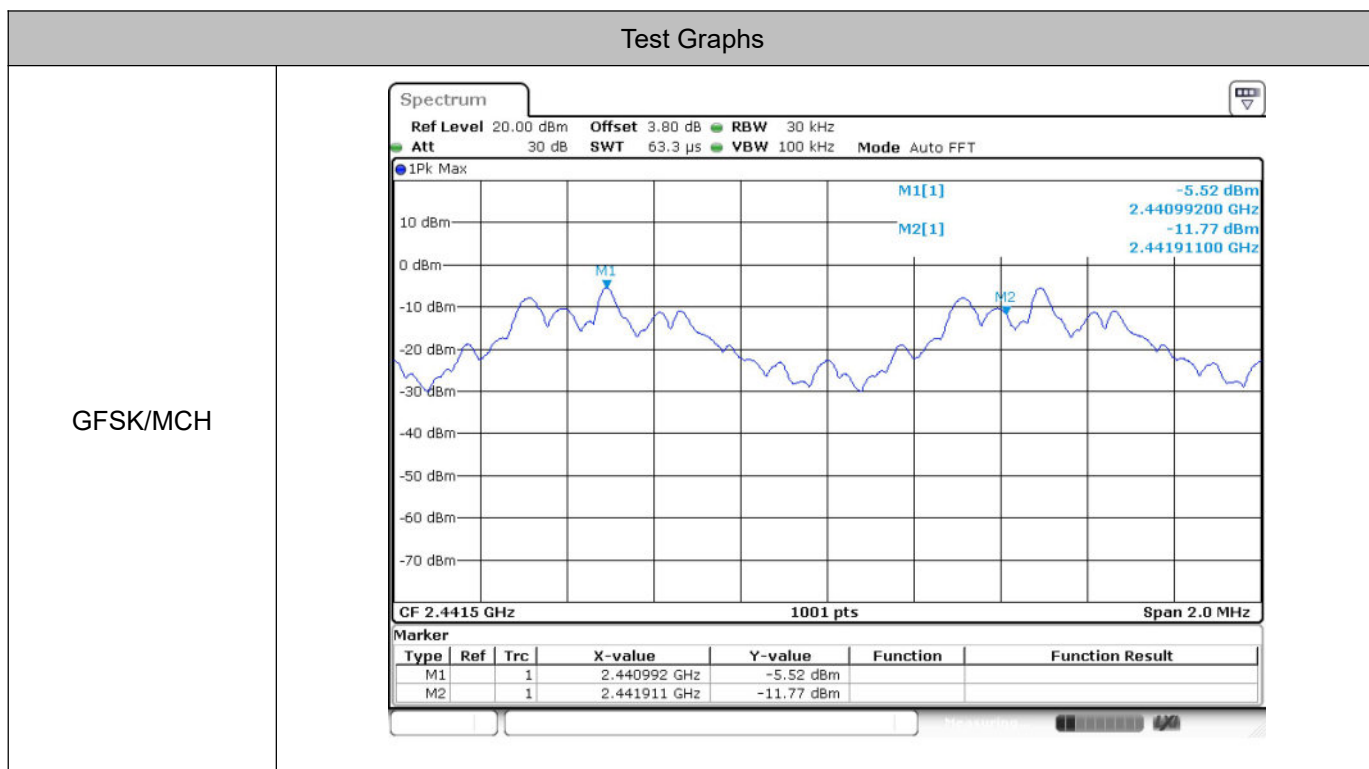


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.919	0.691	Pass

4.2 Test Graphs



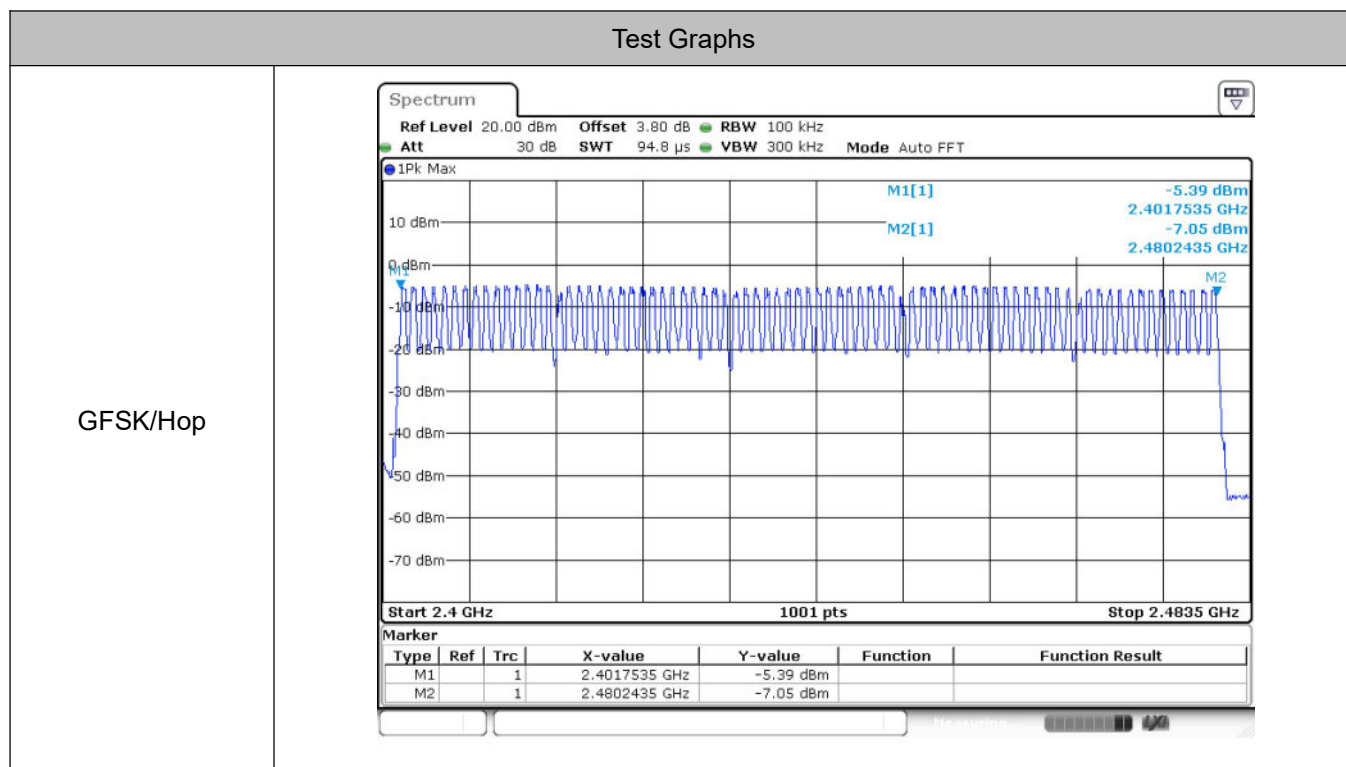


5 Hopping Channel Number

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

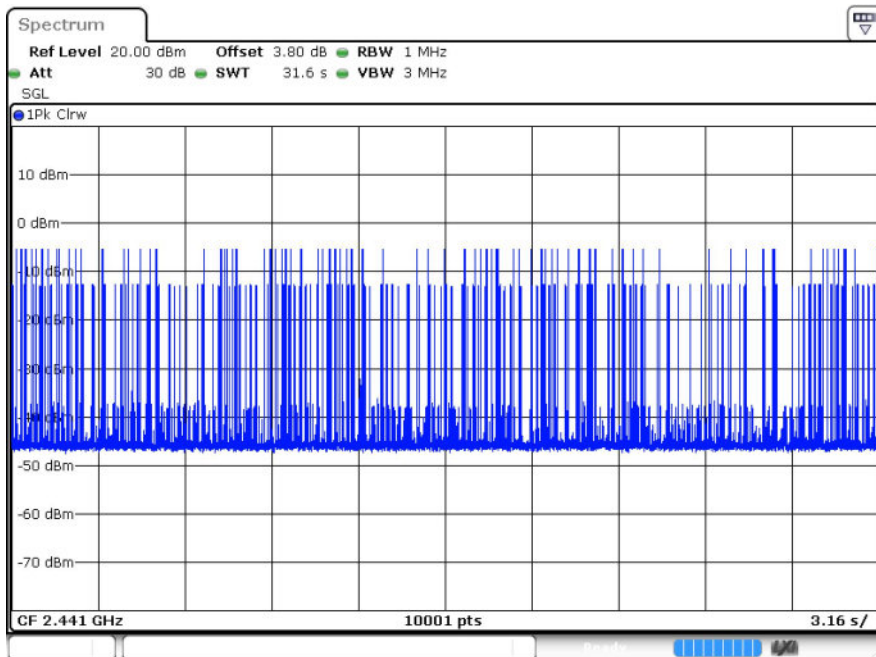
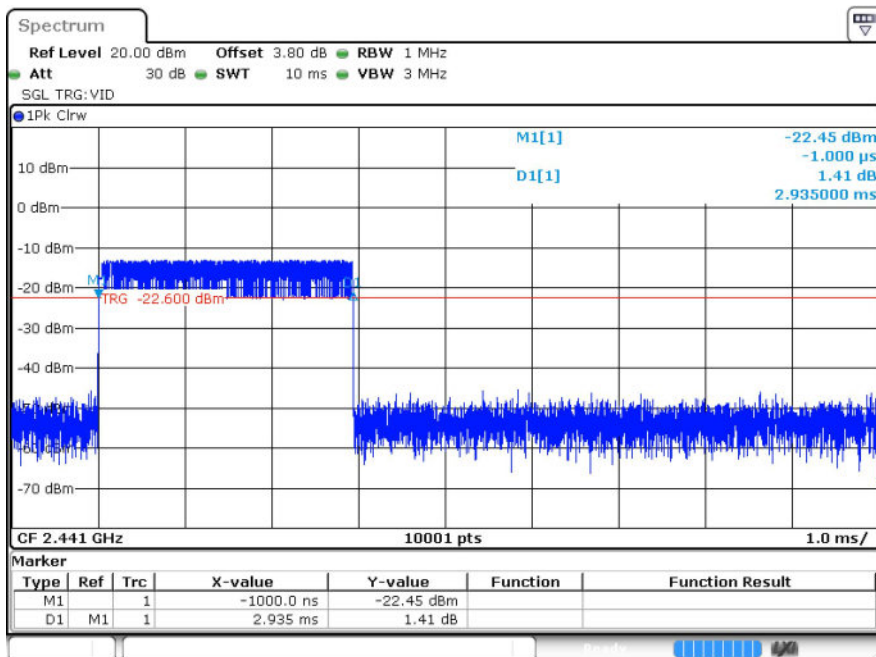
6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.935	101	296.435	0.4	Pass

6.2 Test Graphs

Test Graphs

GFSK_DH5/MCH



7 RF Conducted Spurious Emissions

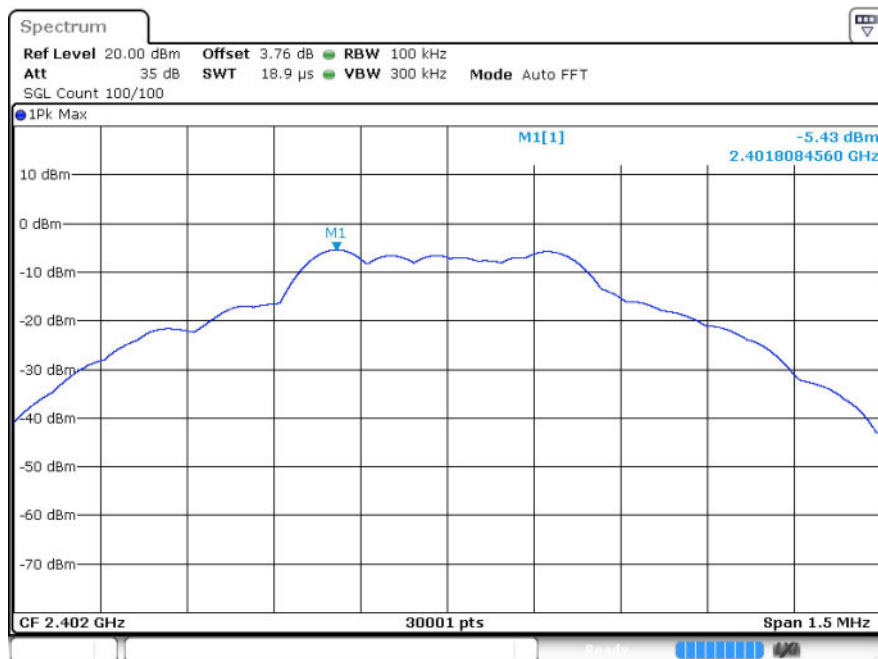
7.1 Test Result

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-35.48	-20	Pass
	MCH	-35.13	-20	Pass
	HCH	-34.1	-20	Pass

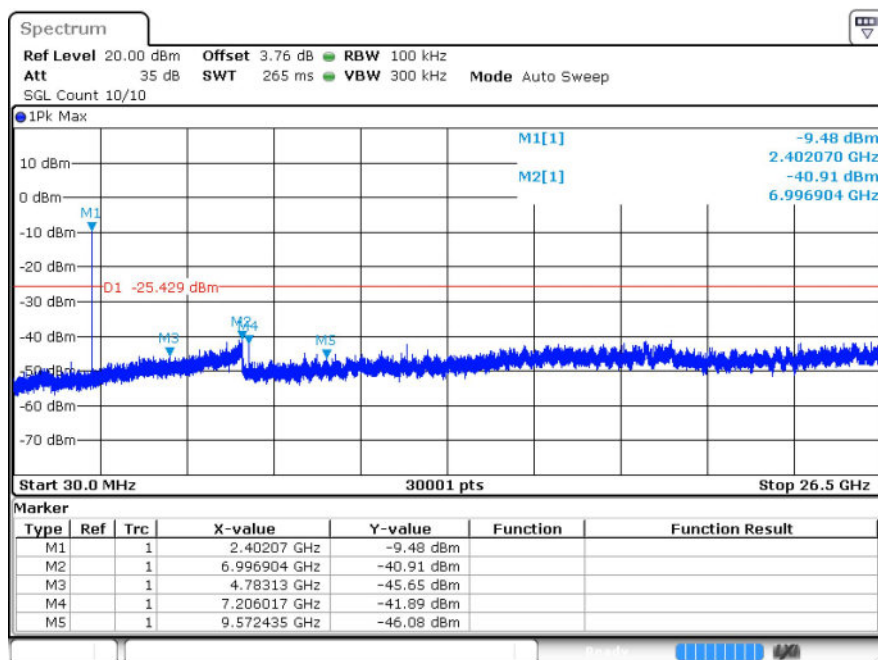
7.2 Test Graphs

GFSK_LCH_Graphs

Pref

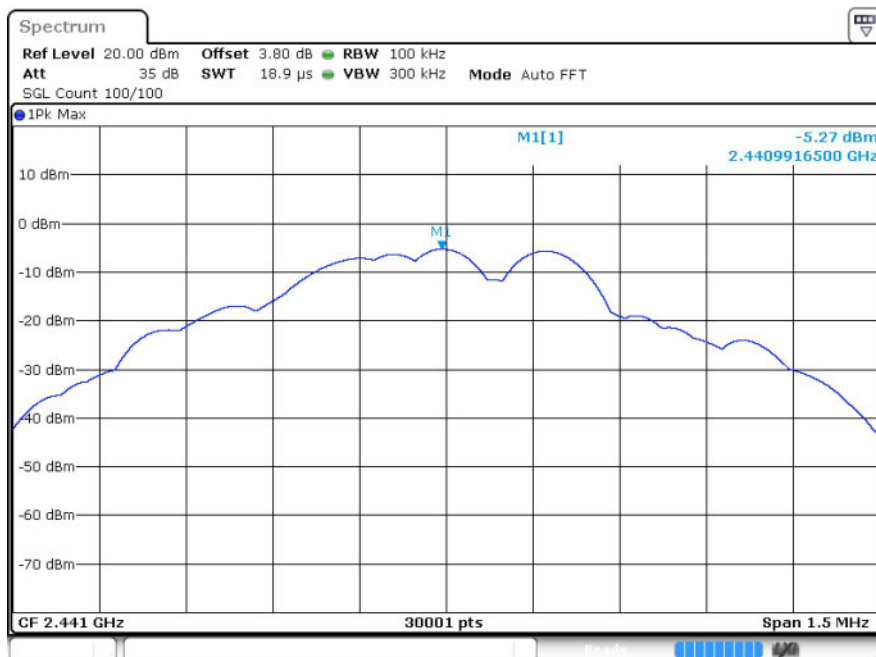


Puw

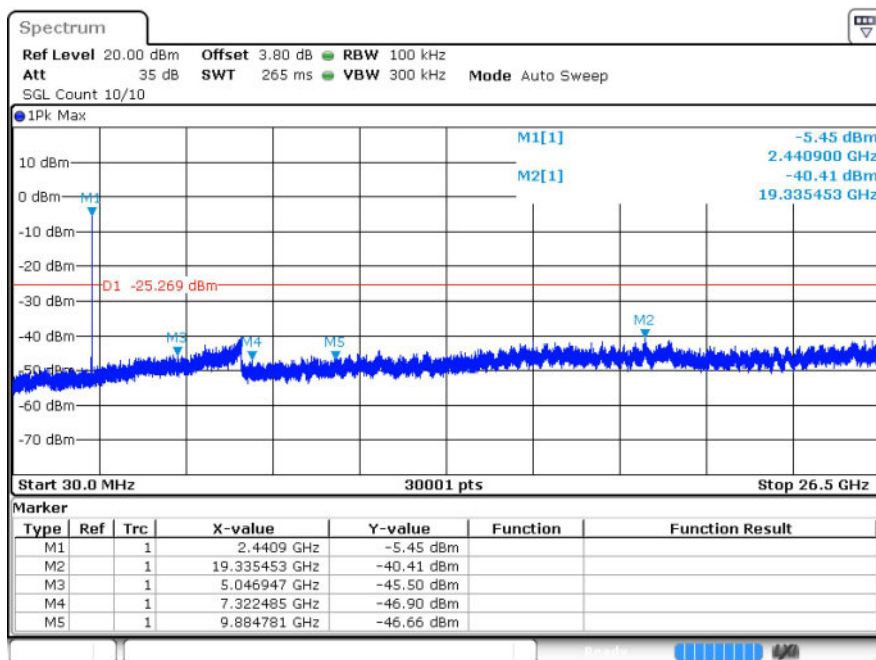


GFSK_MCH_Graphs

Pref

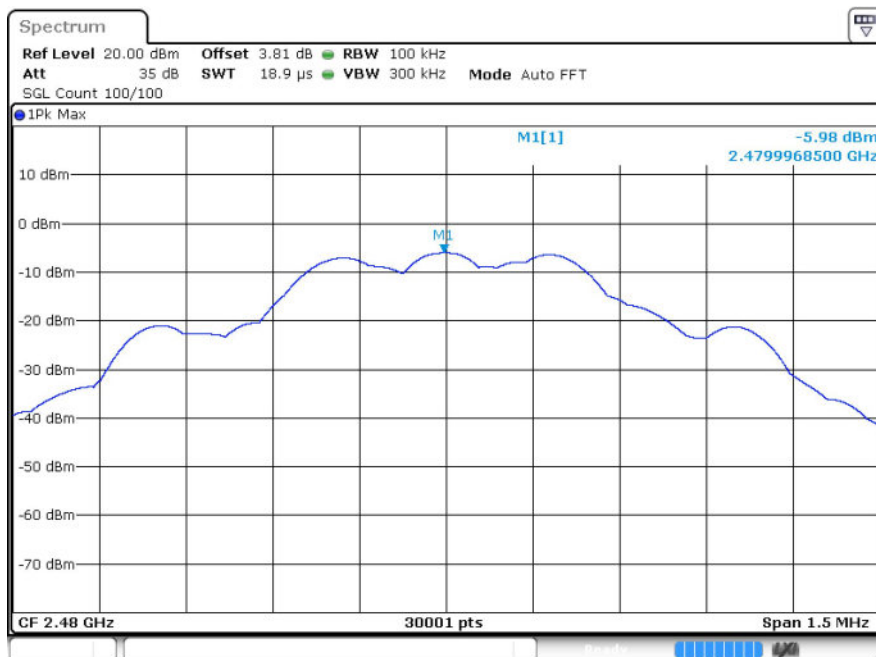


Puw

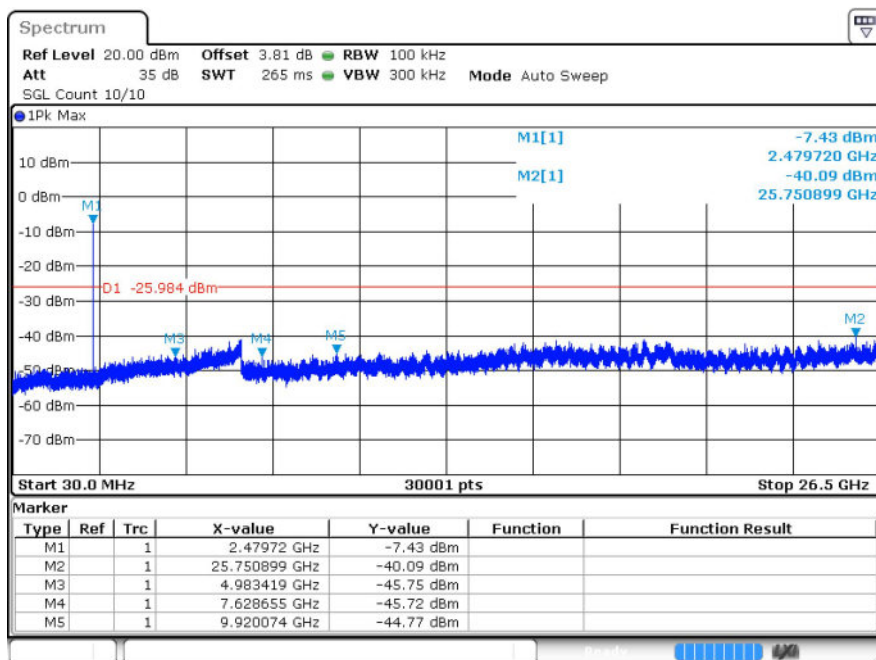


GFSK_HCH_Graphs

Pref



Puw

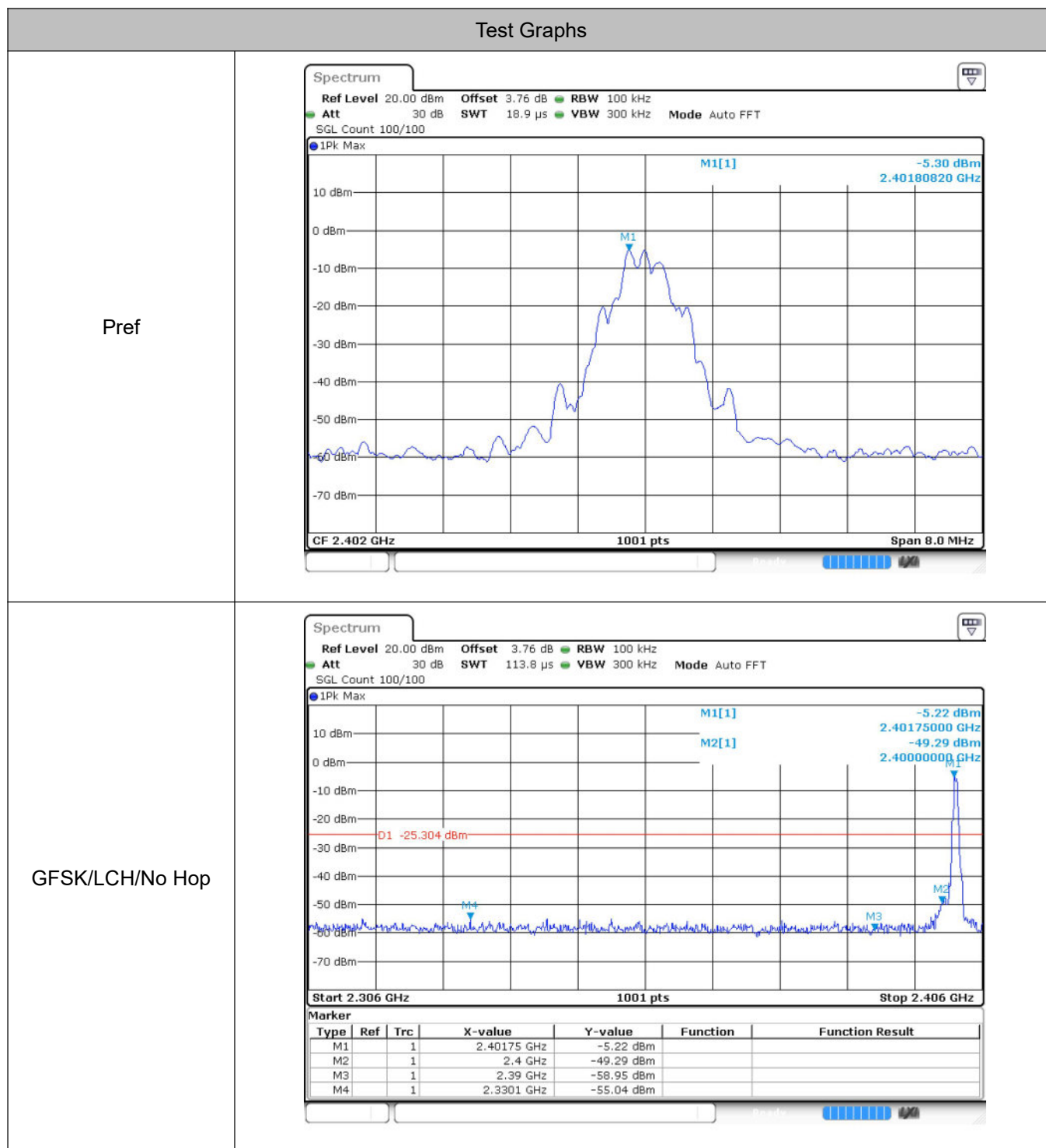


8 Band-edge for RF Conducted Emissions

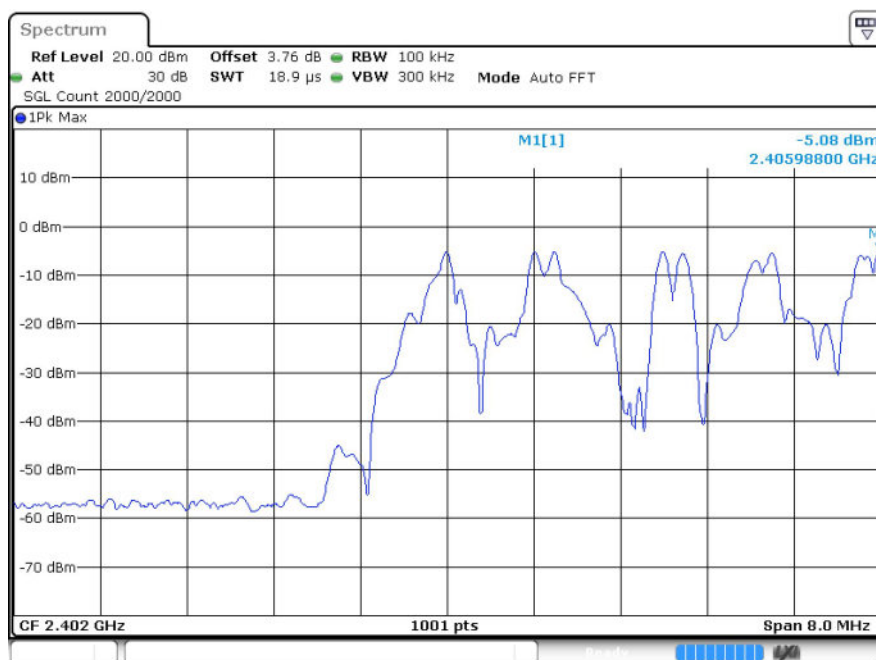
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-49.73	-20	Pass
			On	-49.23	-20	Pass
	HCH	2480	Off	-49.45	-20	Pass
			On	-48.41	-20	Pass

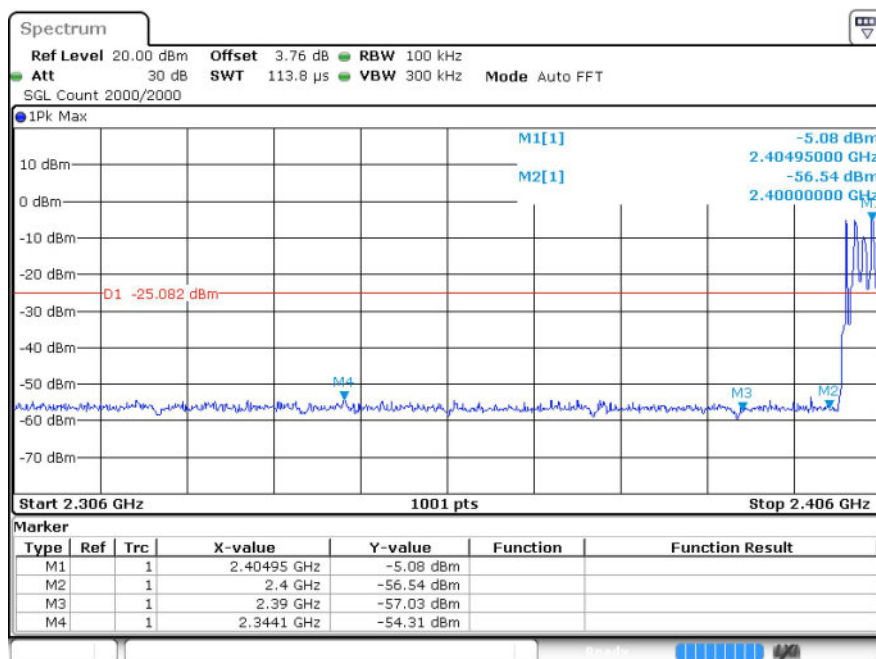
8.2 Test Graphs



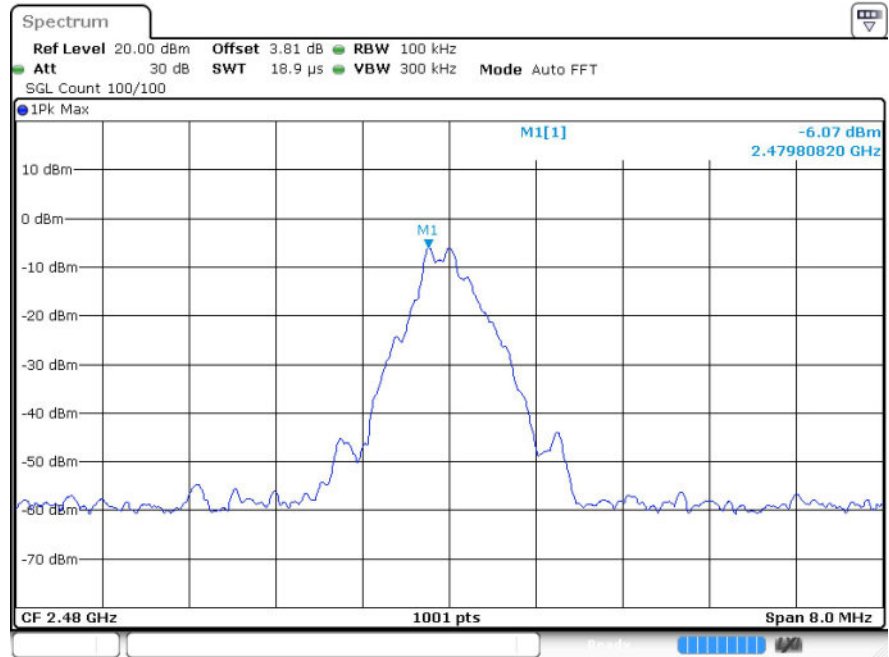
Ref



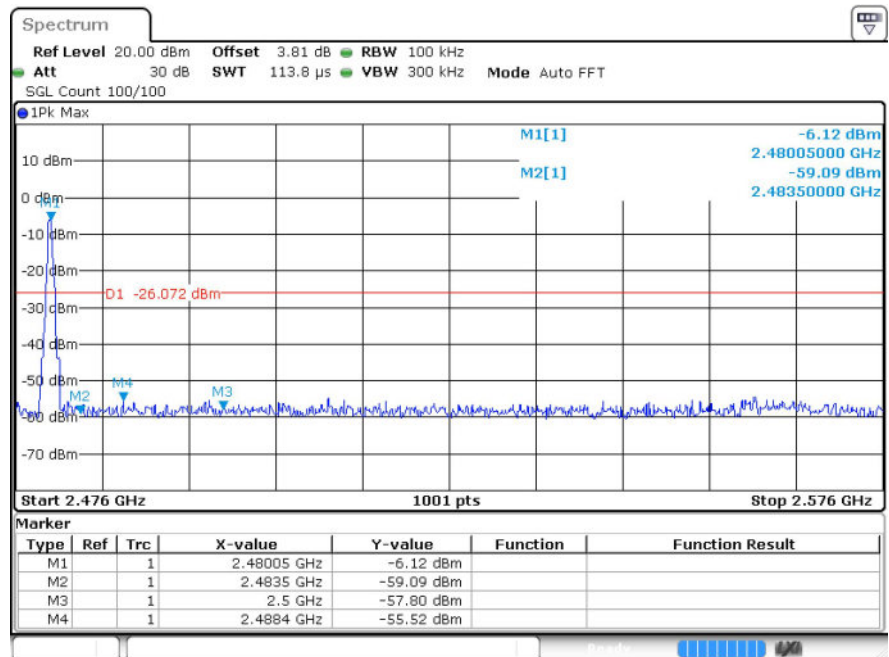
GFSK/LCH/Hop



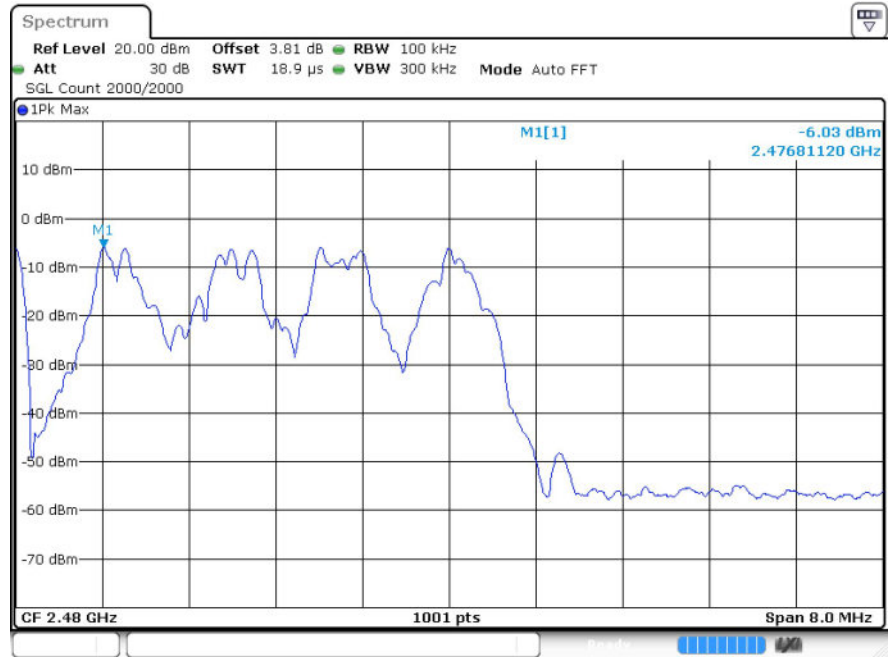
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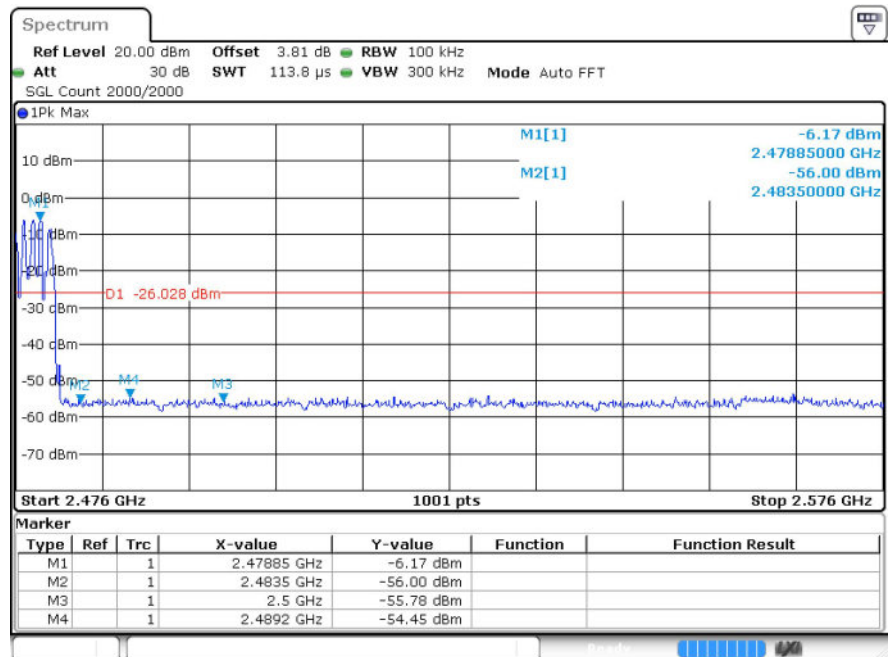
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



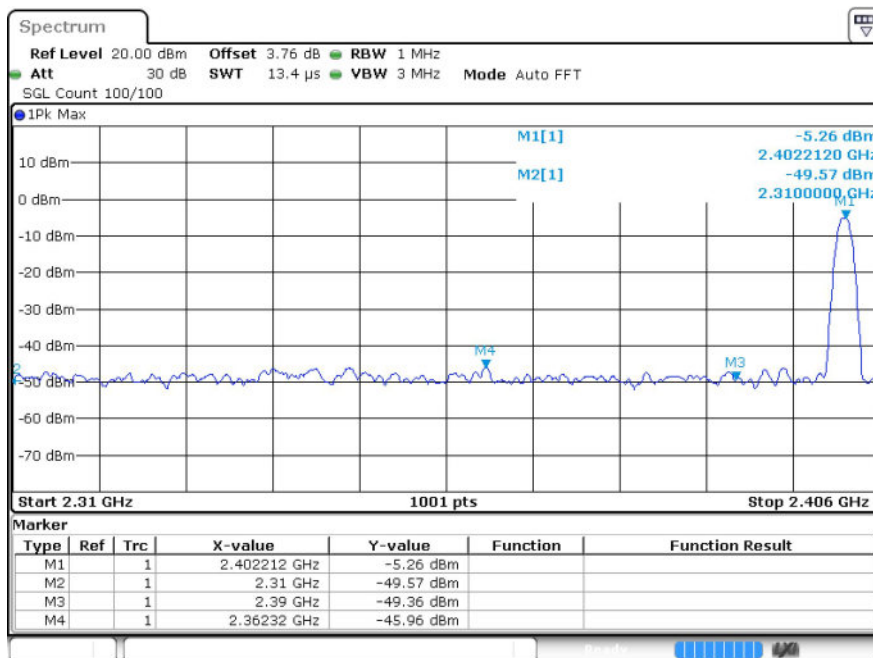
9 Restrict-band band-edge measurements

9.1 Test Result

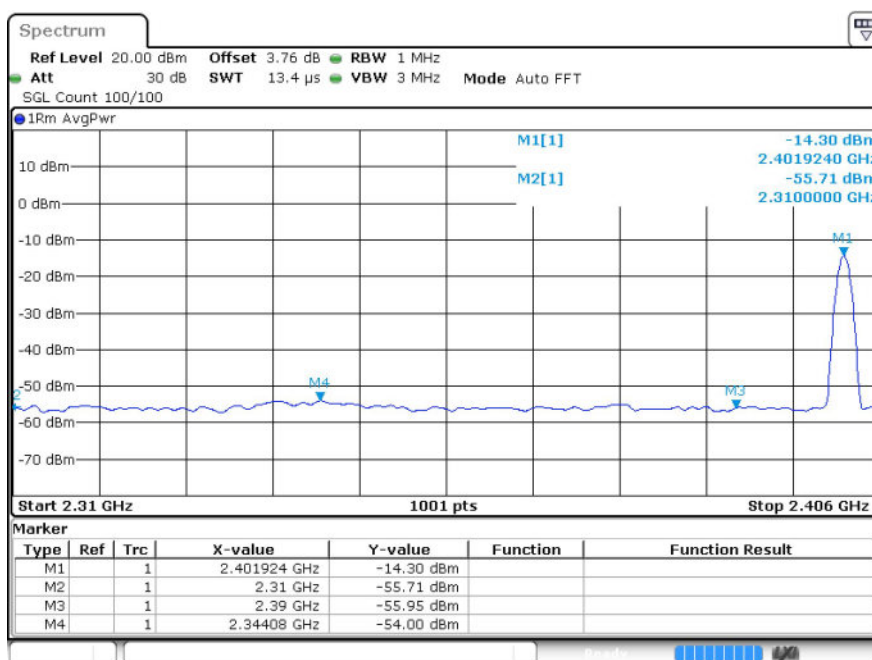
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.57	2	-	47.69	PEAK	74	Pass
	Off	2310.0	-55.71	2	7.17	48.72	AV	54	Pass
	Off	2362.32	-45.95	2	-	51.31	PEAK	74	Pass
	Off	2344.08	-53.99	2	7.17	50.44	AV	54	Pass
	Off	2390.0	-49.36	2	-	47.9	PEAK	74	Pass
	Off	2390.0	-55.95	2	7.17	48.48	AV	54	Pass
	Off	2483.5	-49.16	2	-	48.1	PEAK	74	Pass
	Off	2483.5	-55.79	2	7.35	48.82	AV	54	Pass
	Off	2489.128	-46.01	2	-	51.25	PEAK	74	Pass
	Off	2486.944	-54.94	2	7.35	49.67	AV	54	Pass
	Off	2500.0	-48.79	2	-	48.47	PEAK	74	Pass
	Off	2500.0	-55.98	2	7.35	48.63	AV	54	Pass

9.2 Test Graphs

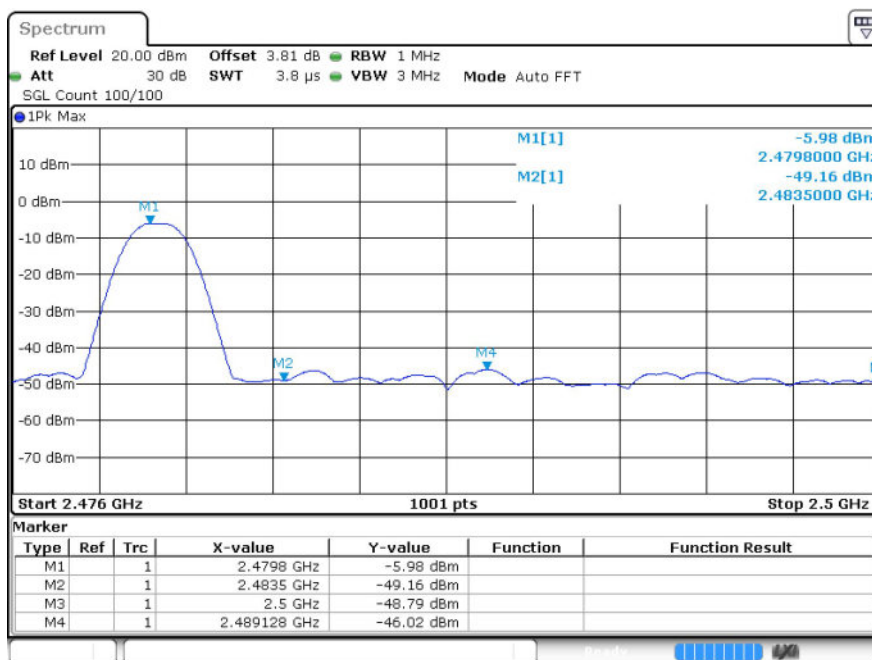
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (Low Channel)



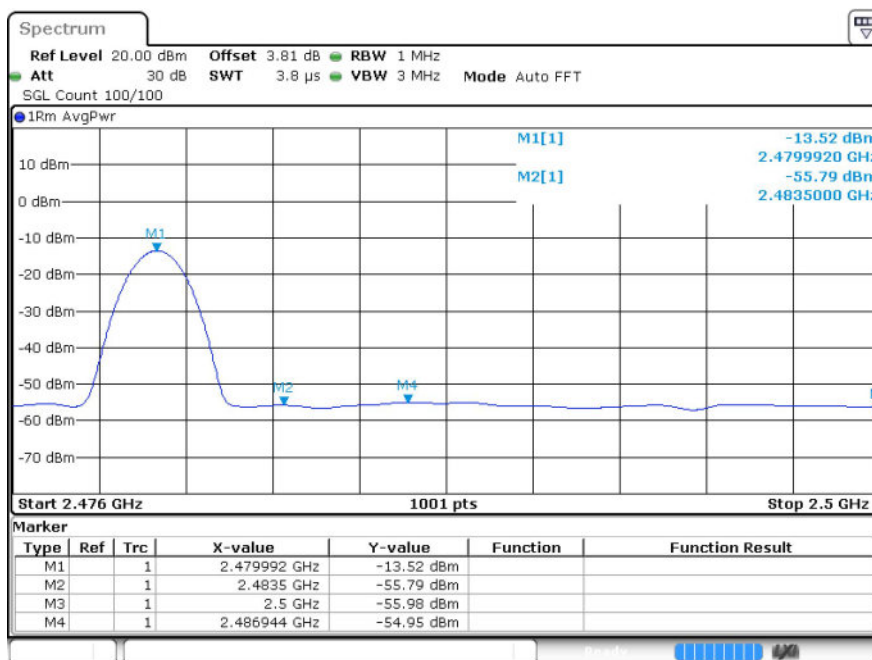
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (Low Channel)



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



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



---The End---