



Appendix A

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

Product Name: keyboard

Trade Mark: N/A

Test Model: KB02012

Environmental Conditions

Temperature:	52.4℃
Relative Humidity:	51.9%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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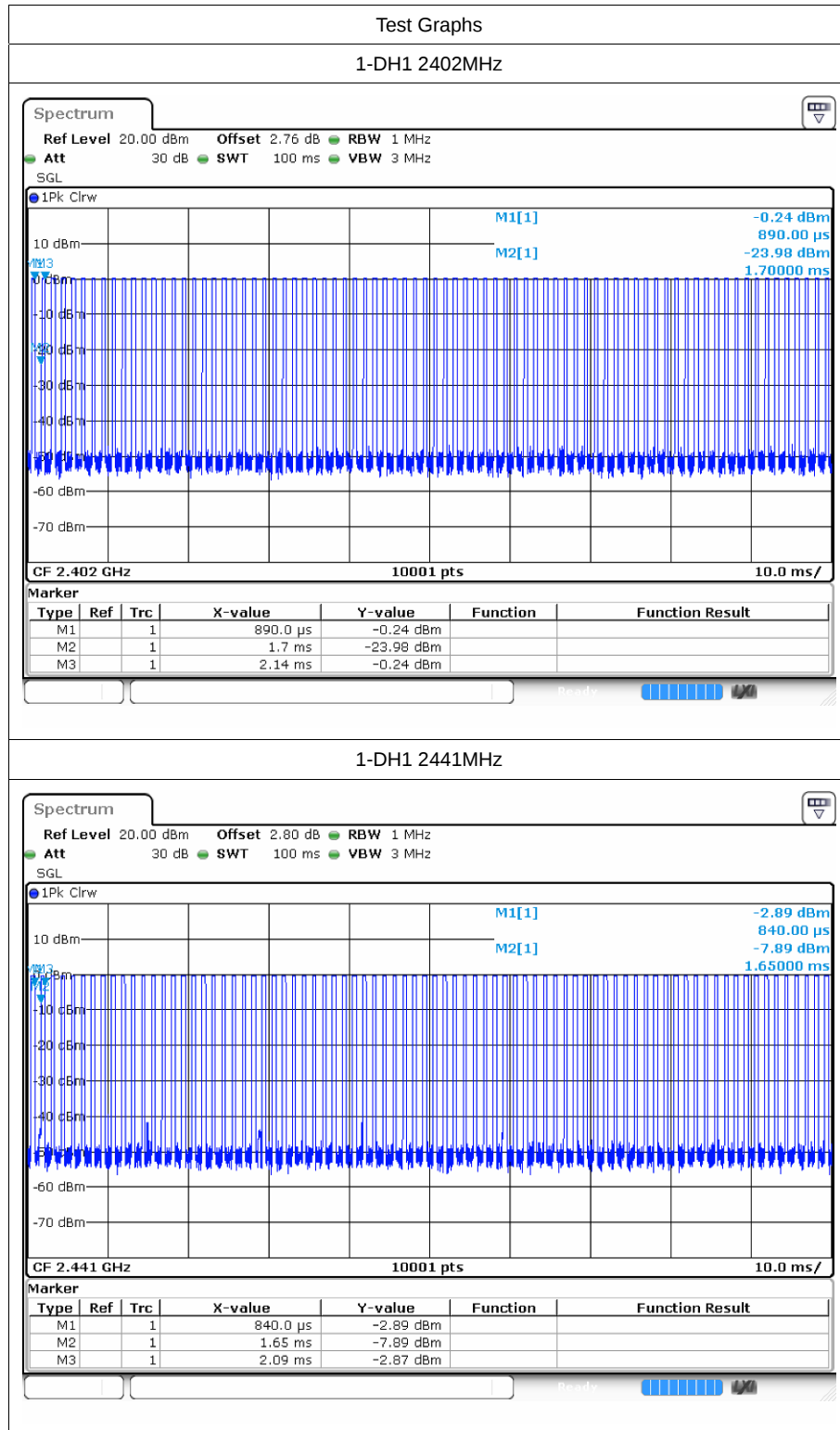


1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	35.27	2.27
1-DH1	2441	36	2.27
1-DH1	2480	36	2.27

1.2 Test Graphs

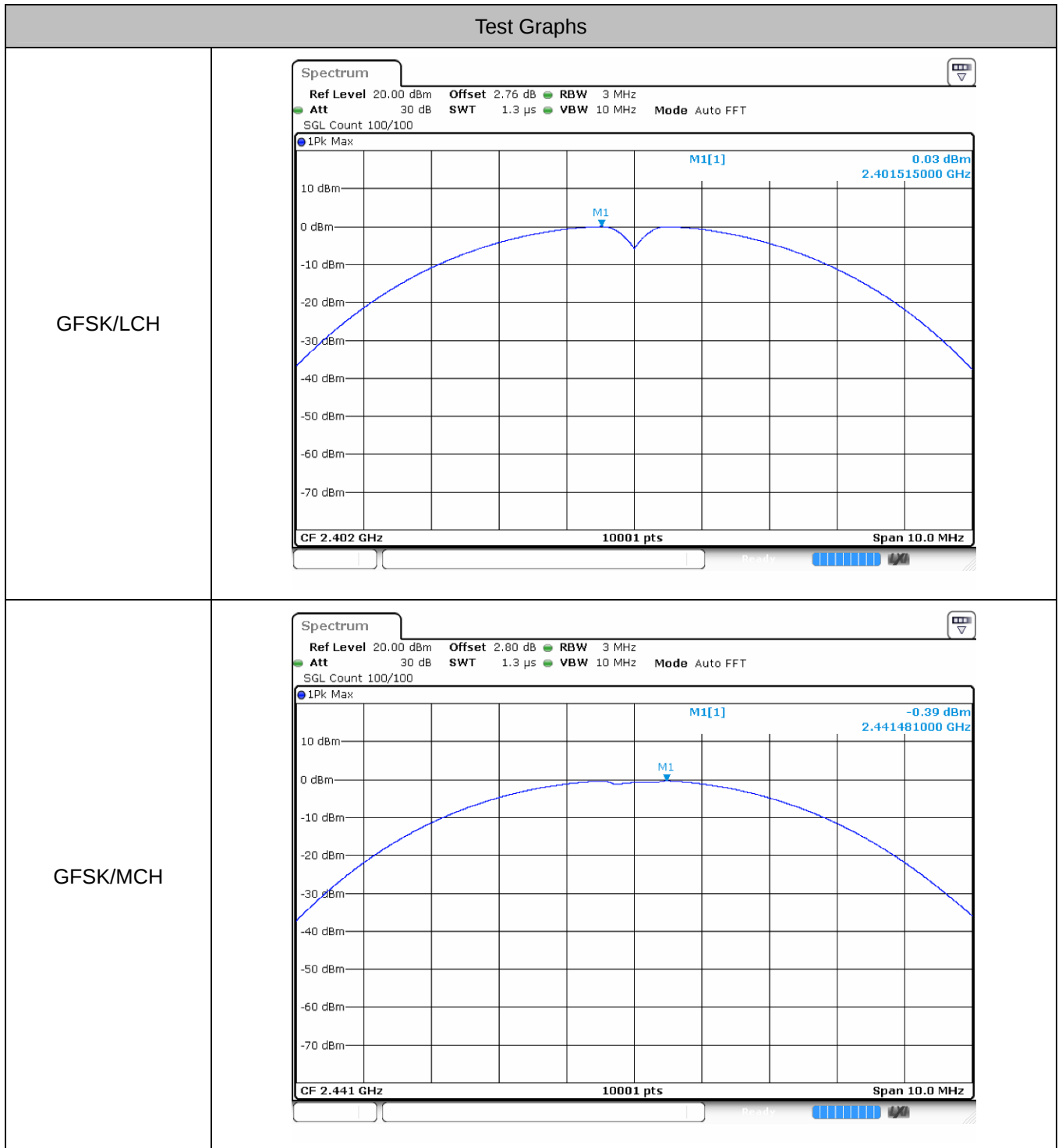


2 Maximum Conducted Peak Output Power

2.1 Test Result

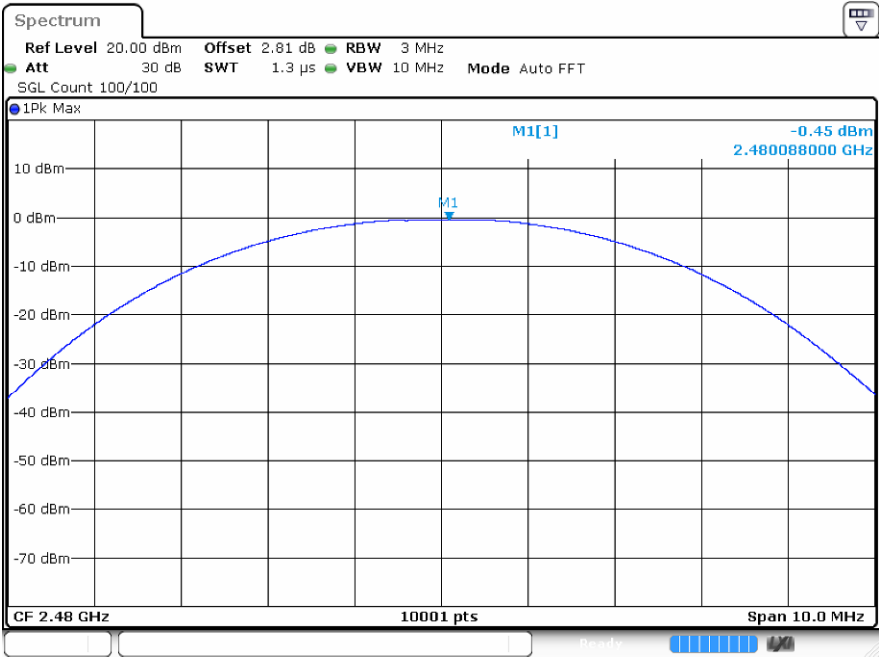
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.03	21	Pass
	MCH	-0.39	21	Pass
	HCH	-0.45	21	Pass

2.2 Test Graphs





GFSK/HCH

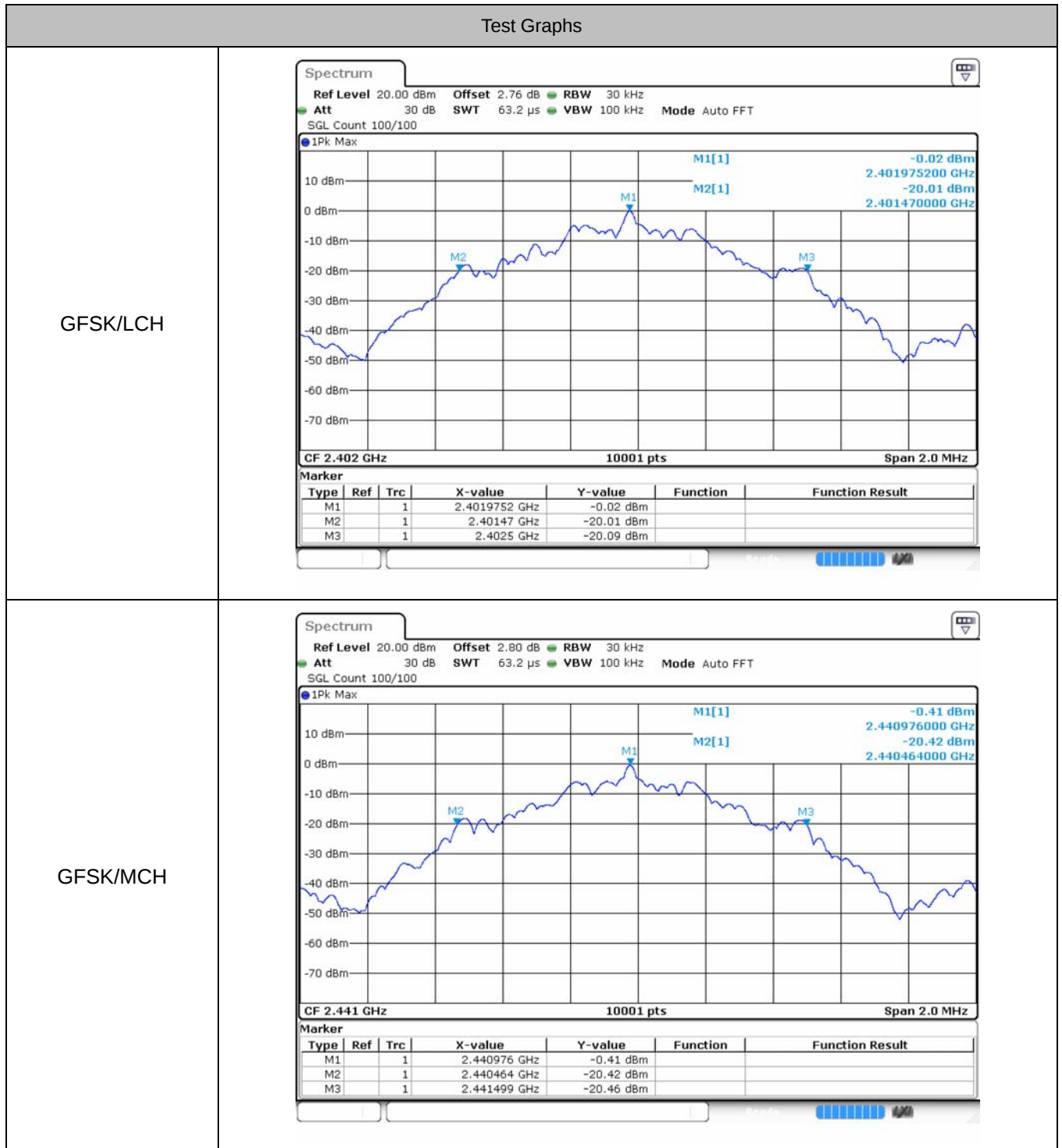


3 20dB Bandwidth

3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.03	Not Specified	Pass
	MCH	1.034	Not Specified	Pass
	HCH	1.029	Not Specified	Pass

3.2 Test Graphs





GFSK/HCH

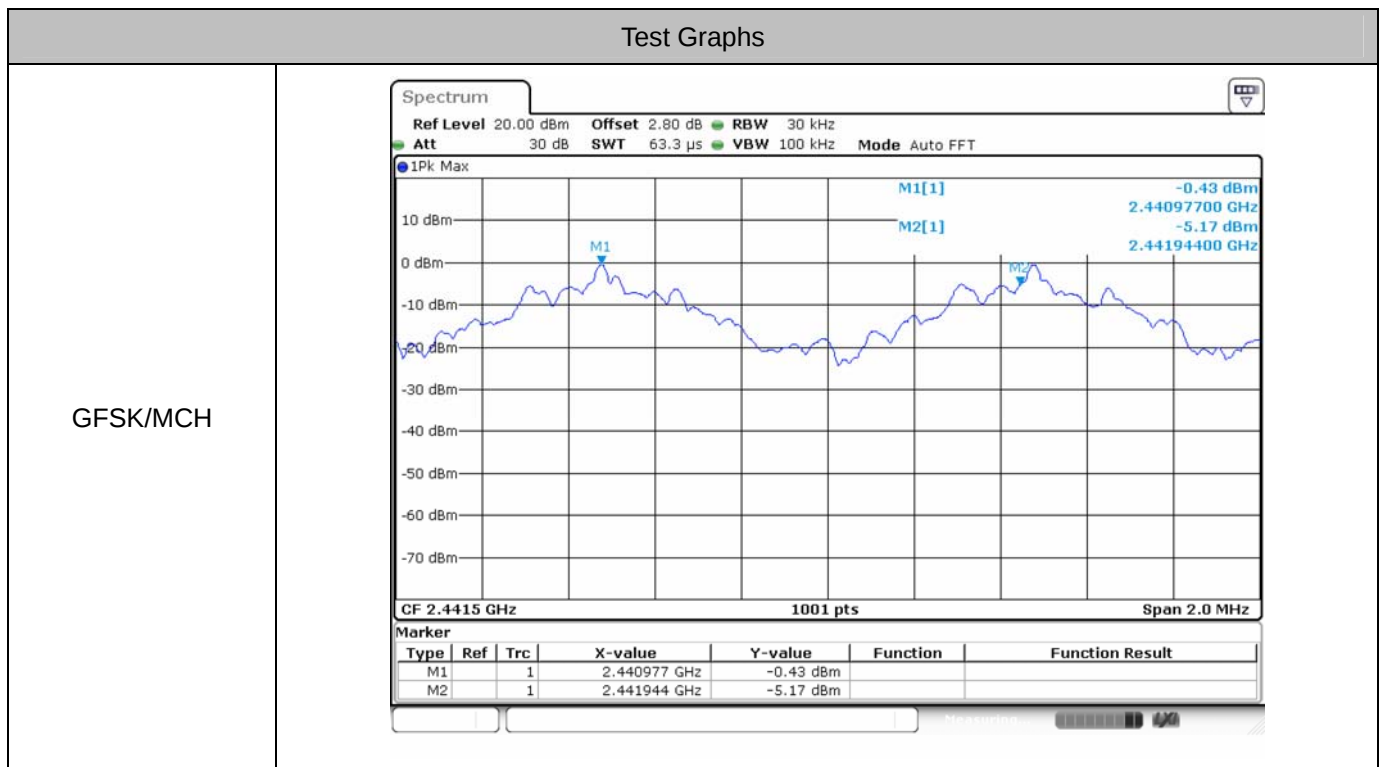


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.967	0.689	Pass

4.2 Test Graphs



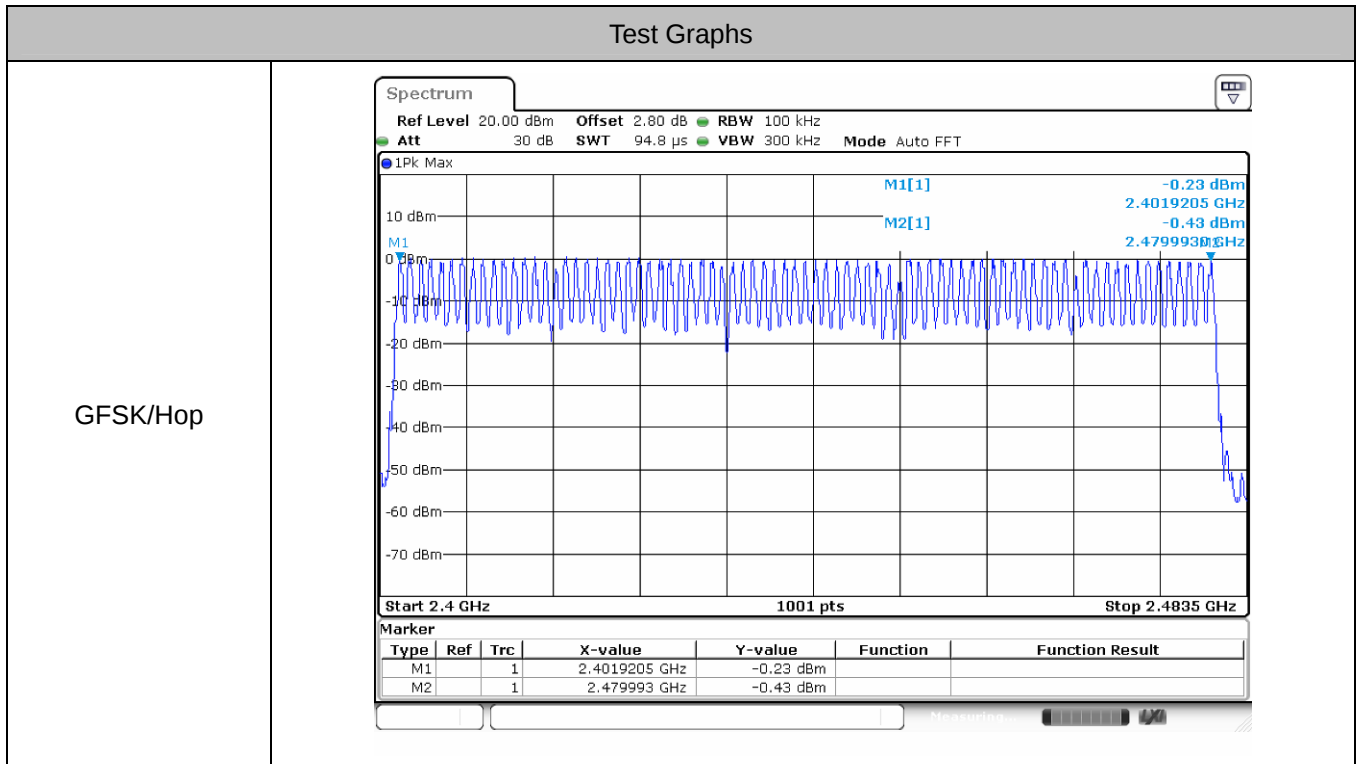


5 Hopping Channel Number

5.1 Test Result

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

5.2 Test Graphs

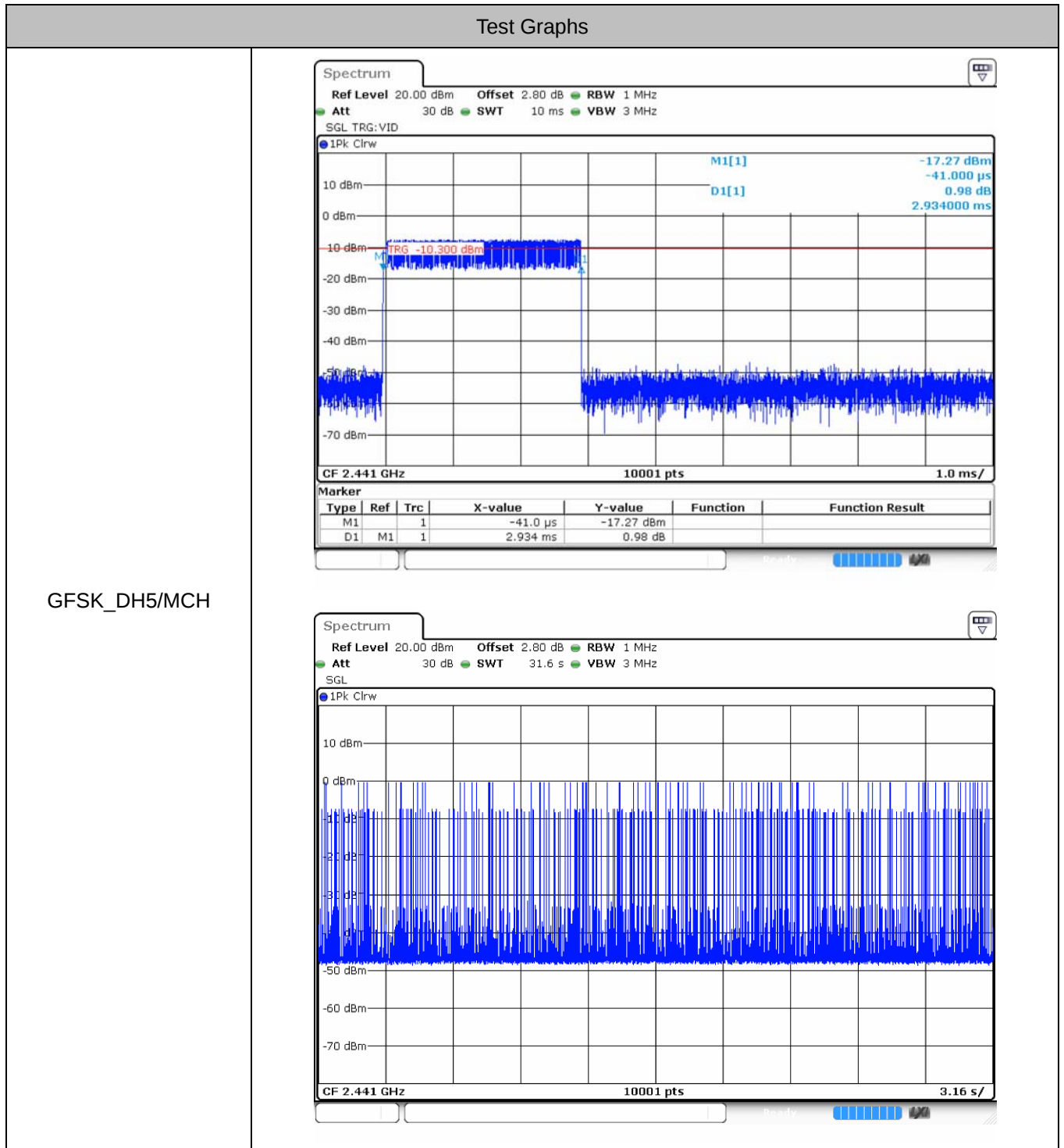


6 Dwell Time

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	2.934	96	281.664	0.4	Pass

6.2 Test Graphs

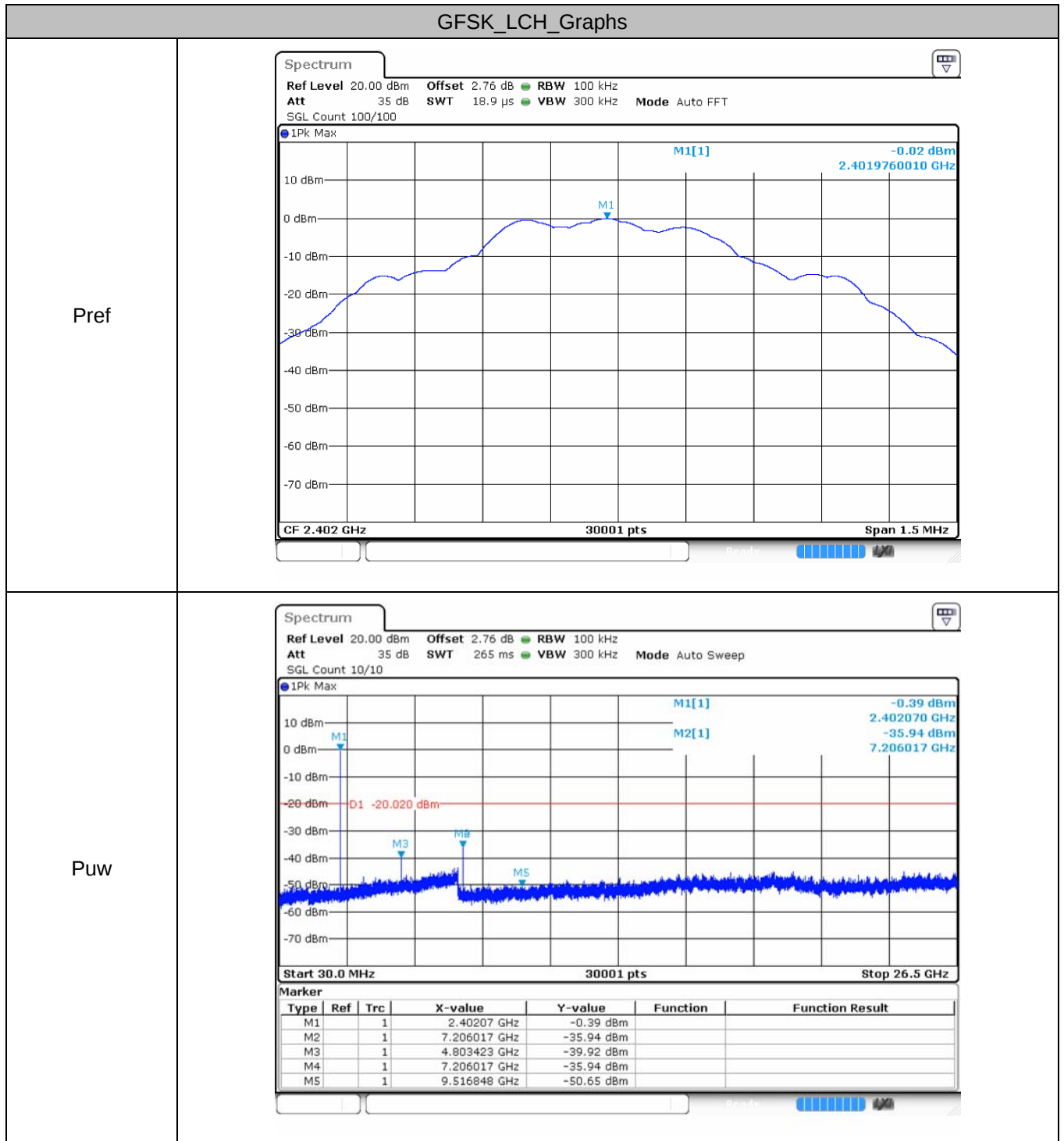


7 RF Conducted Spurious Emissions

7.1 Test Result

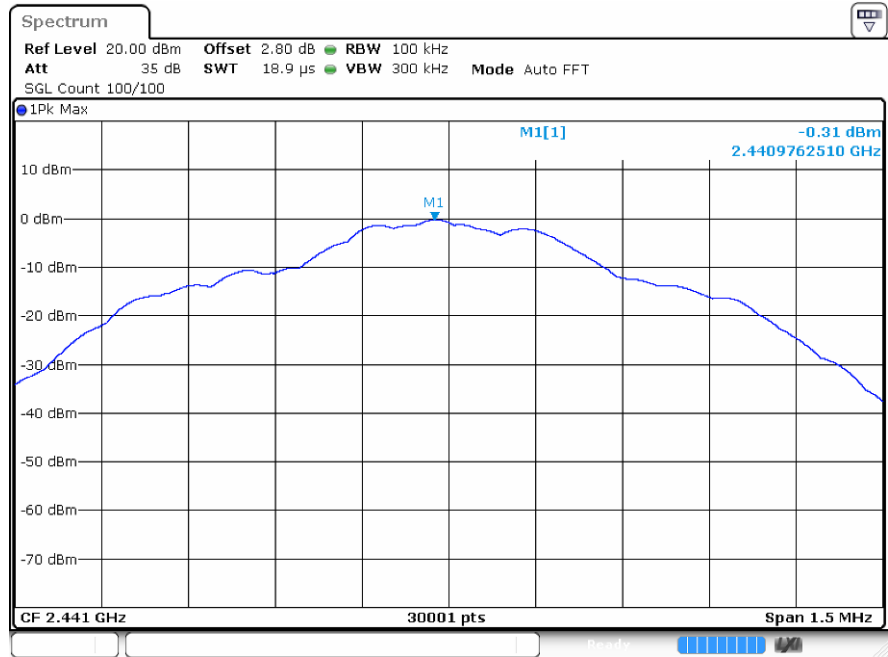
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-35.92	-20	Pass
	MCH	-37.25	-20	Pass
	HCH	-40.27	-20	Pass

7.2 Test Graphs

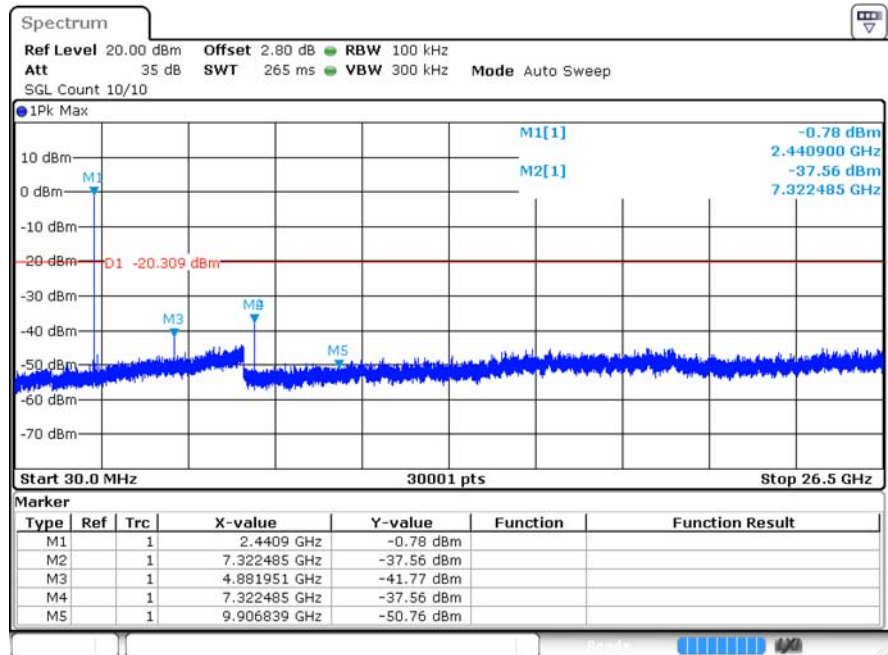


GFSK_MCH_Graphs

Pref

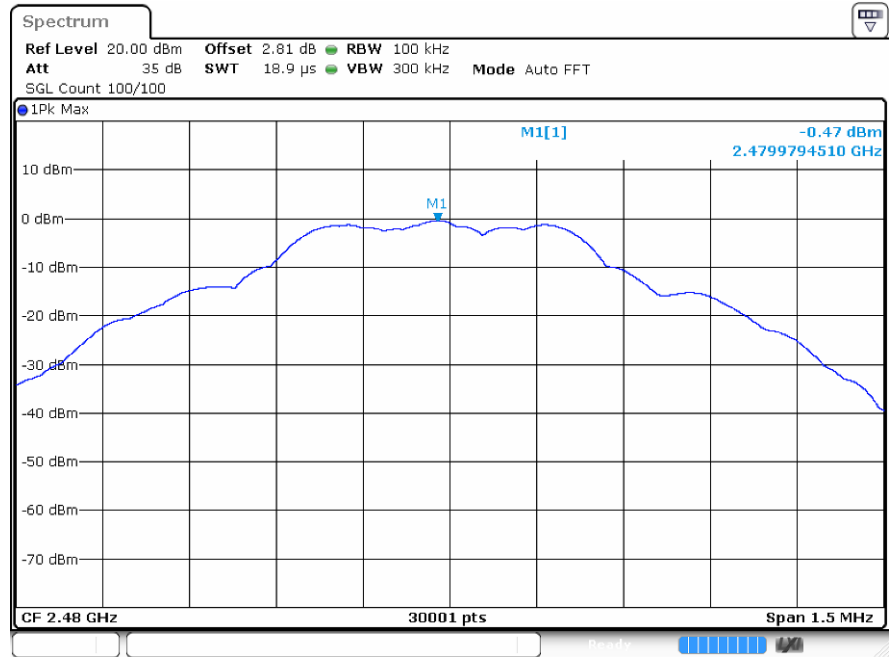


Puw

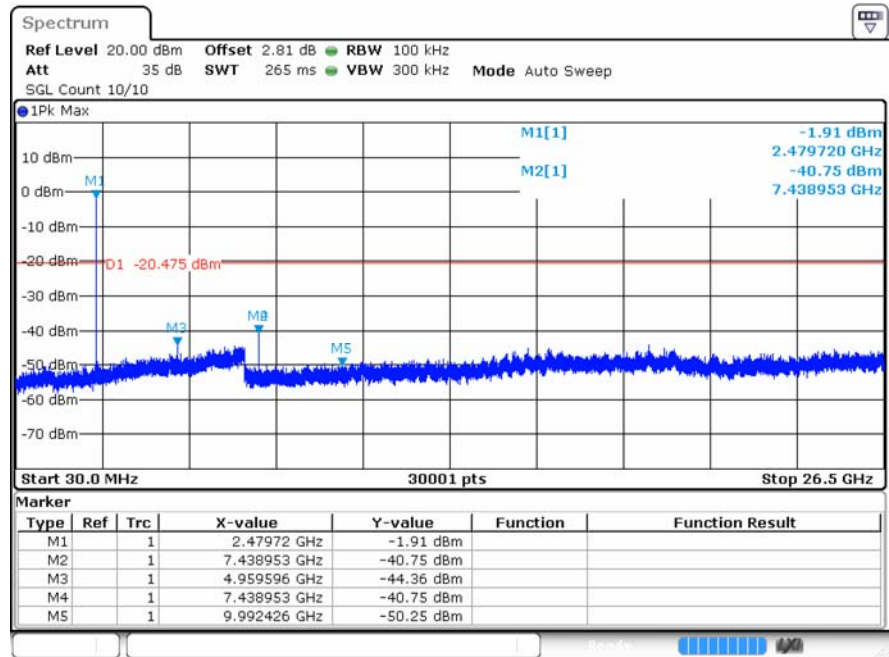


GFSK_HCH_Graphs

Pref



Puw

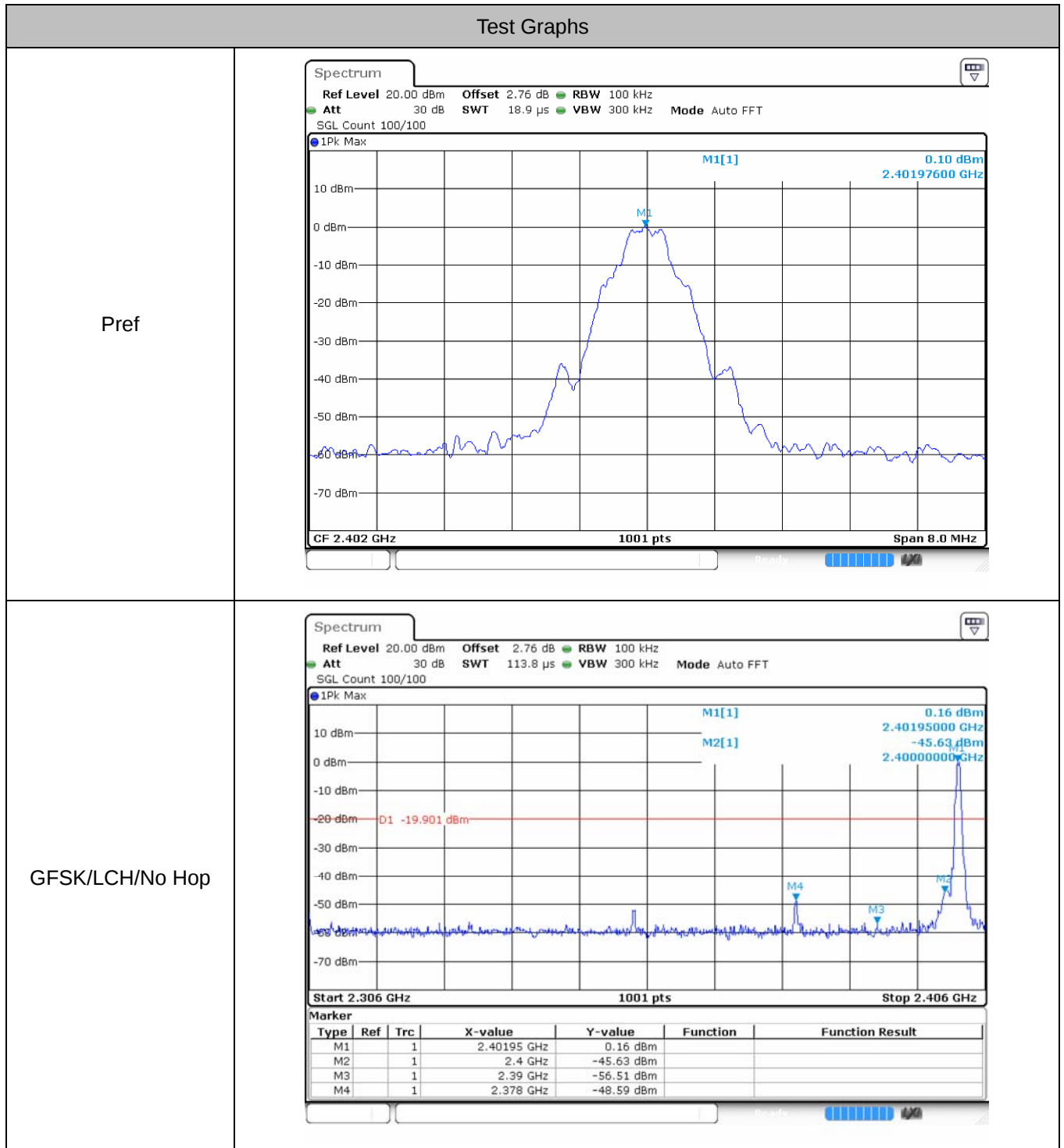


8 Band-edge for RF Conducted Emissions

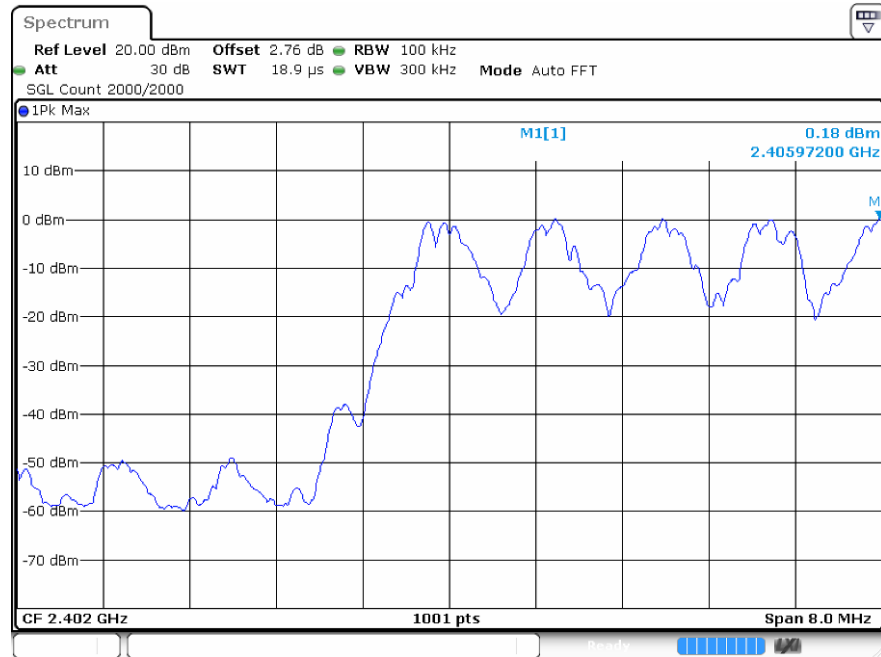
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-48.69	-20	Pass
			On	-49.39	-20	Pass
	HCH	2480	Off	-55.85	-20	Pass
			On	-49.09	-20	Pass

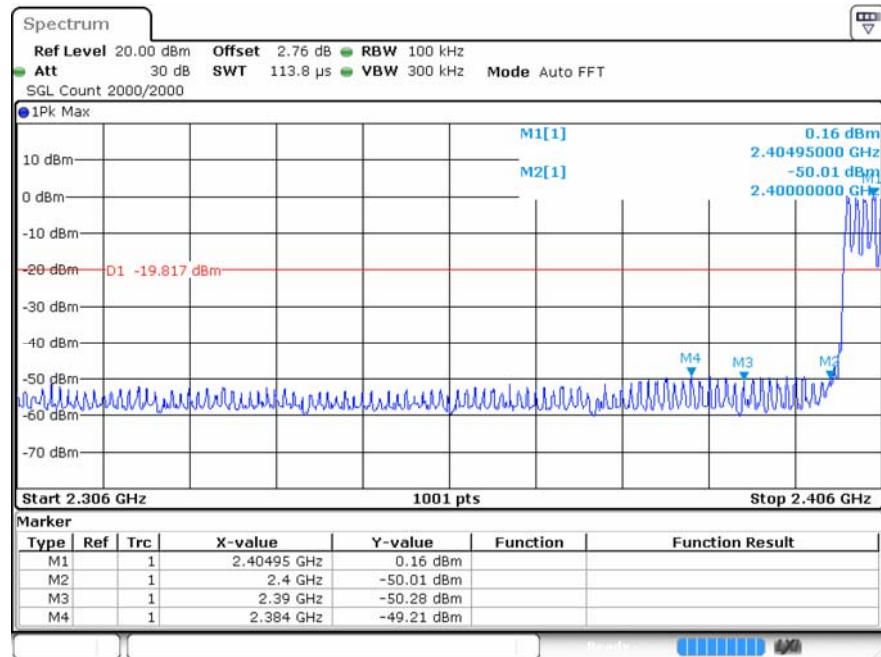
8.2 Test Graphs



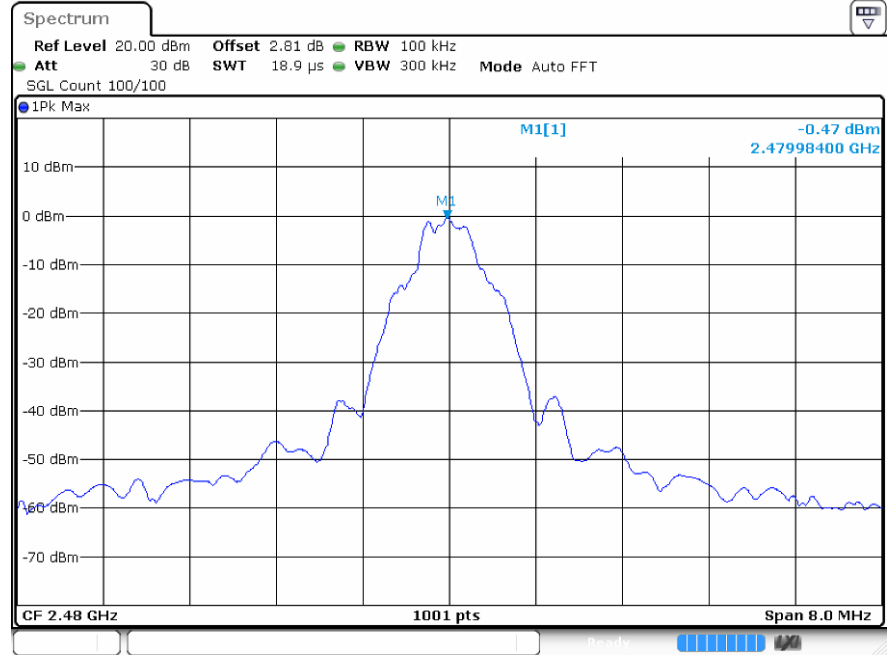
Ref



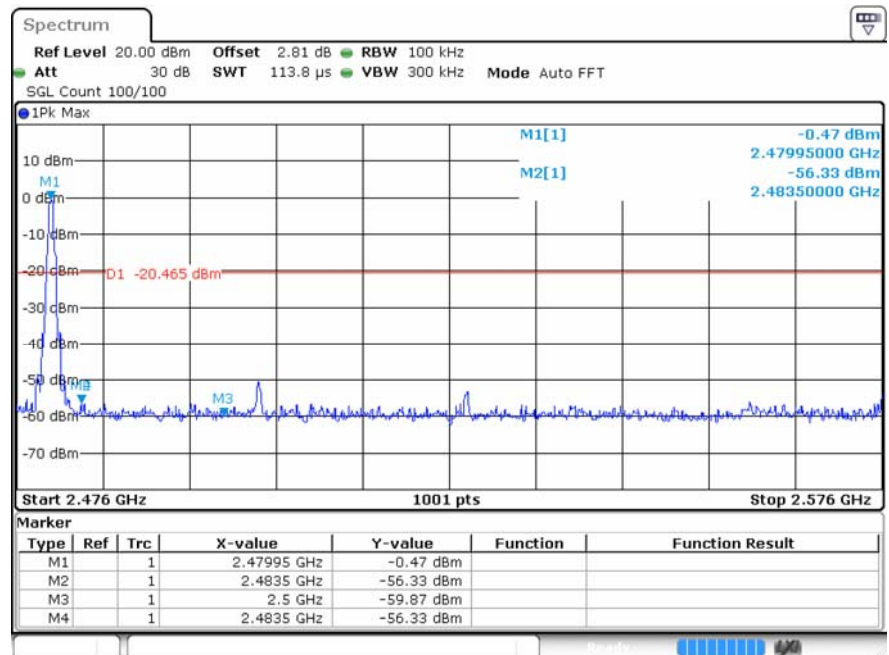
GFSK/LCH/Hop



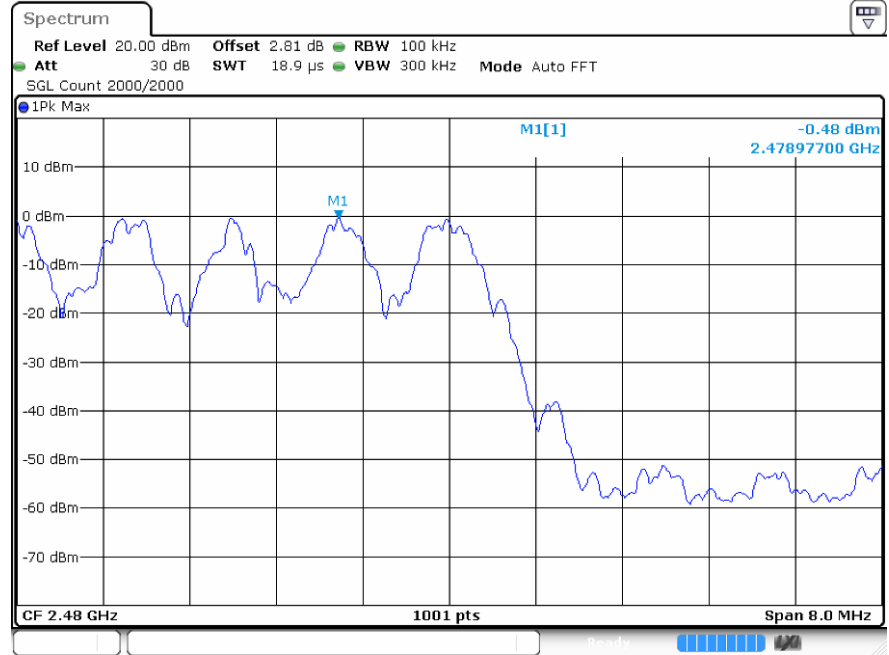
Ref



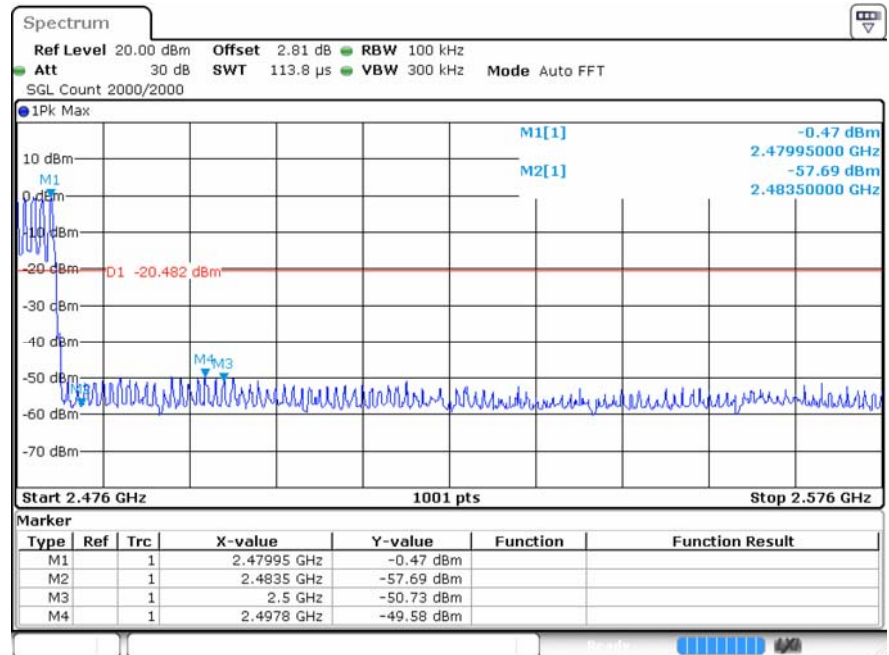
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



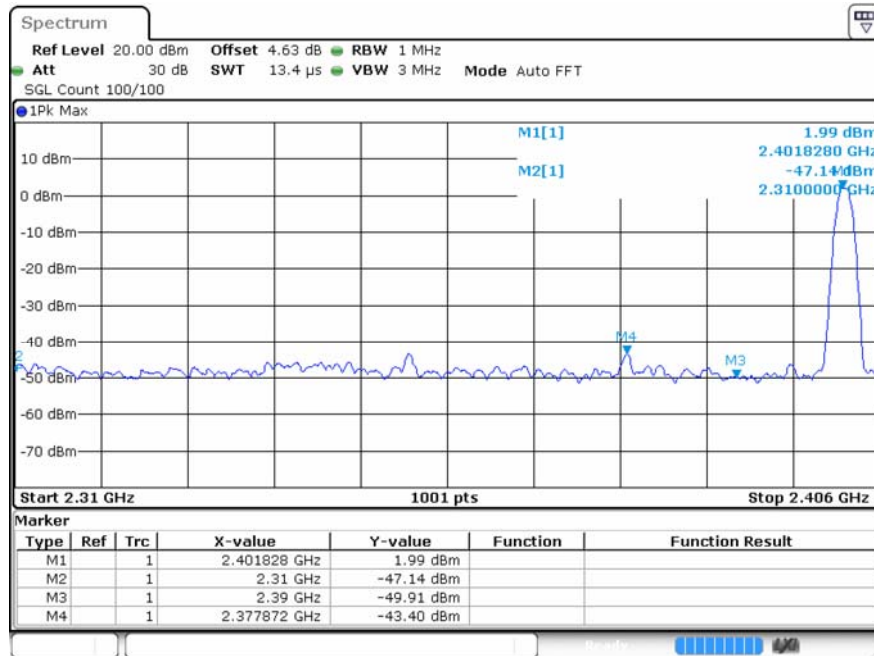
9 Restrict-band band-edge measurements

9.1 Test Result

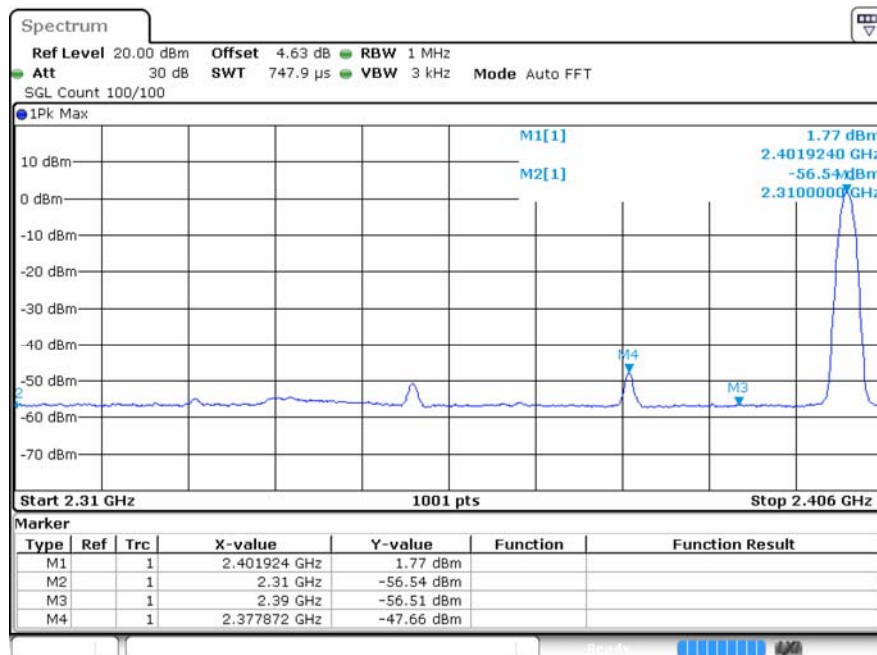
Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-47.14	2	50.12	PEAK	74	Pass
	Off	2310.0	-56.53	2	40.73	AV	54	Pass
	Off	2377.872	-43.4	2	53.86	PEAK	74	Pass
	Off	2377.872	-47.66	2	49.6	AV	54	Pass
	Off	2390.0	-49.91	2	47.35	PEAK	74	Pass
	Off	2390.0	-56.51	2	40.75	AV	54	Pass
	Off	2483.5	-48.07	2	49.19	PEAK	74	Pass
	Off	2483.5	-55.67	2	41.59	AV	54	Pass
	Off	2491.024	-44.07	2	53.19	PEAK	74	Pass
	Off	2486.296	-55.59	2	41.67	AV	54	Pass
	Off	2500.0	-48.35	2	48.91	PEAK	74	Pass
	Off	2500.0	-56.24	2	41.02	AV	54	Pass

9.2 Test Graphs

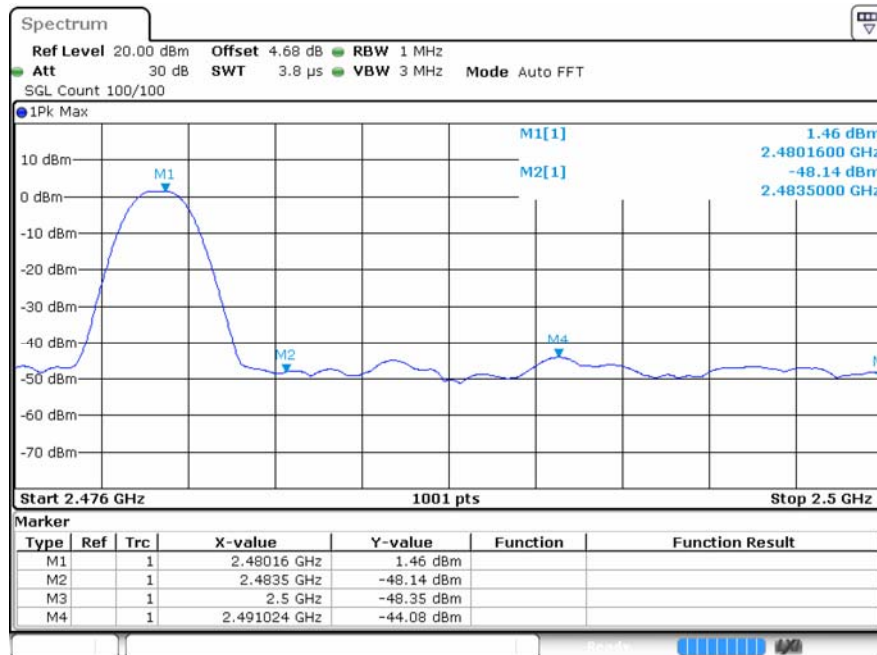
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



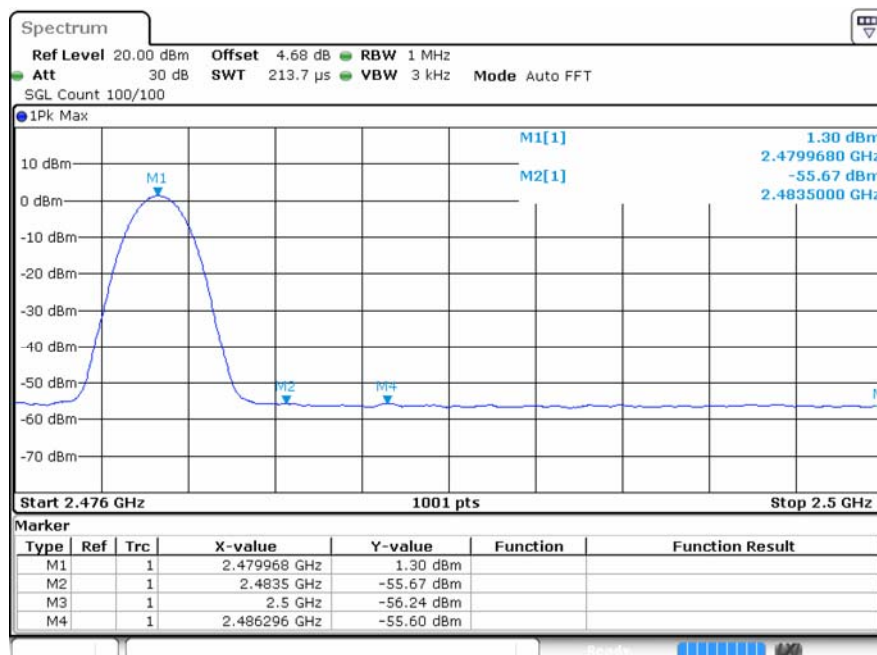
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



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



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



---The End---