



Appendix A

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

Product Name: Baby Monitor

Trade Mark: Vizolink

Test Model: VB10

Environmental Conditions

Temperature:	15.7℃
Relative Humidity:	56.2%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



Contents

Page

COVER PAGE

1	Duty Cycle	3
1.1	Test Result.....	3
1.2	Test Graphs	4
2	Maximum Conducted Peak Output Power	6
2.1	Test Result.....	6
2.2	Test Graphs	7
3	20dB Bandwidth	9
3.1	Test Result.....	9
3.2	Test Graphs	10
4	Carrier Frequency Separation	12
4.1	Test Result.....	12
4.2	Test Graphs	13
5	Hopping Channel Number.....	14
5.1	Test Result.....	14
5.2	Test Graphs	15
6	Dwell Time	16
6.1	Test Result.....	16
6.2	Test Graphs	17
7	RF Conducted Spurious Emissions.....	18
7.1	Test Result.....	18
7.2	Test Graphs	19
8	Band-edge for RF Conducted Emissions	22
8.1	Test Result.....	22
8.2	Test Graphs	23
9	Restrict-band band-edge measurements	27
9.1	Test Result.....	27
9.2	Test Graphs	28

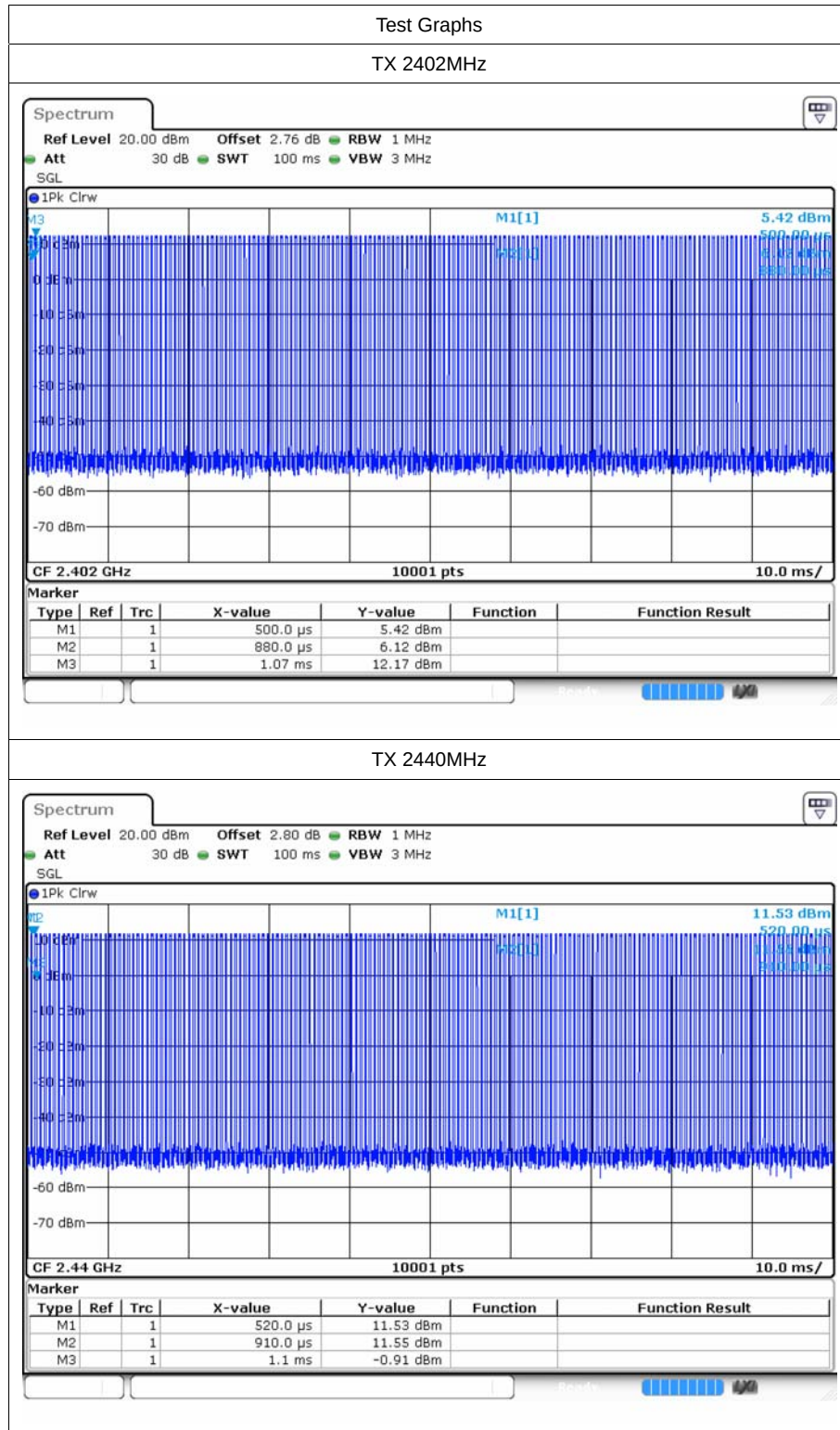


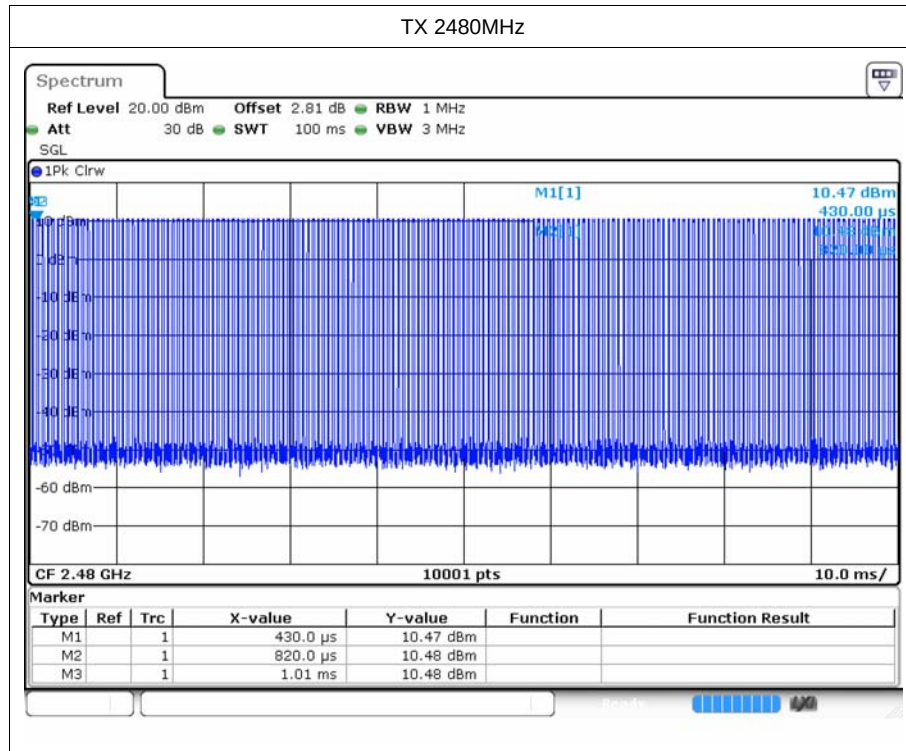
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
TX	2402	34.63	5.26
TX	2440	34.64	5.26
TX	2480	34.68	5.26

1.2 Test Graphs



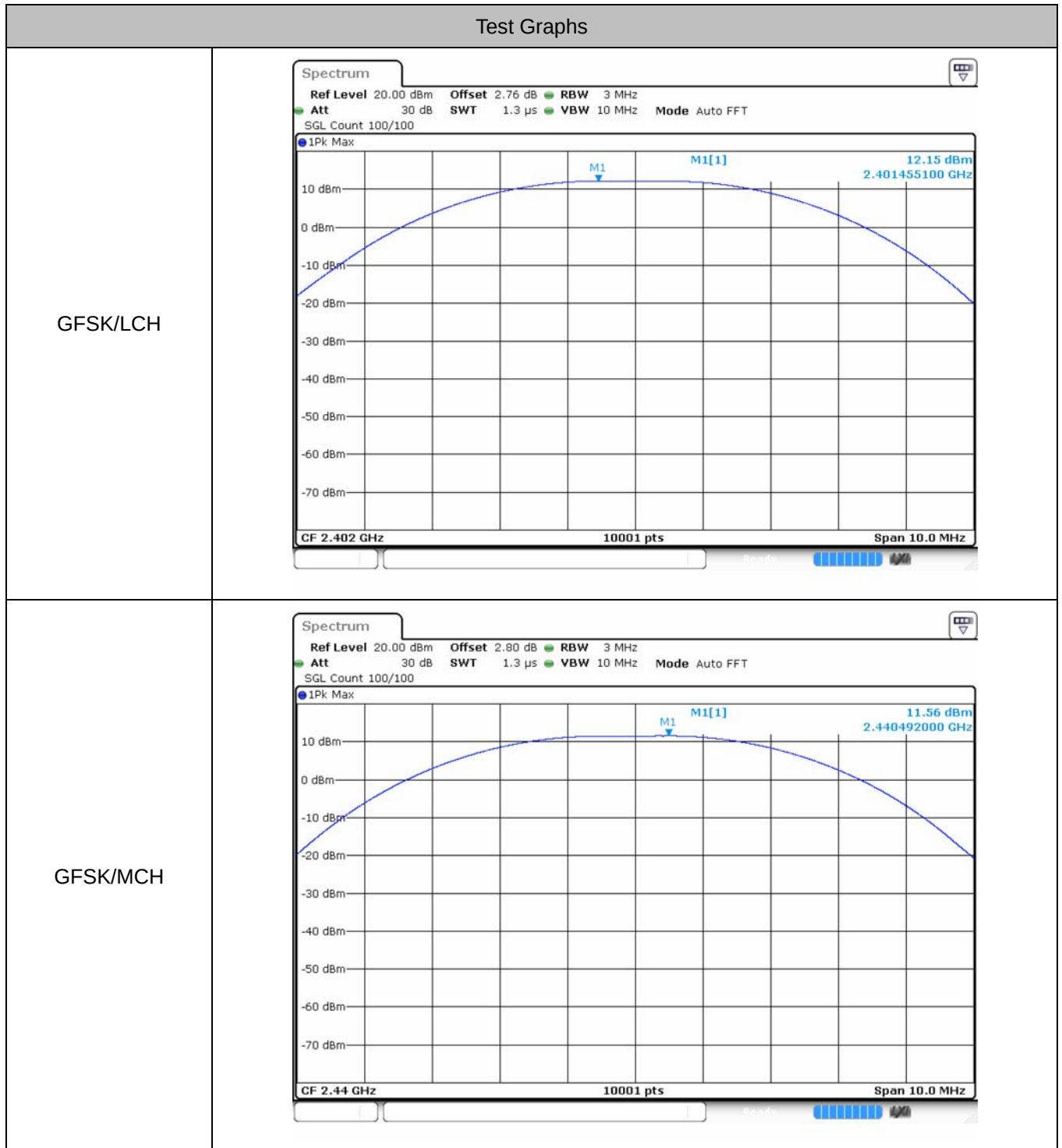


2 Maximum Conducted Peak Output Power

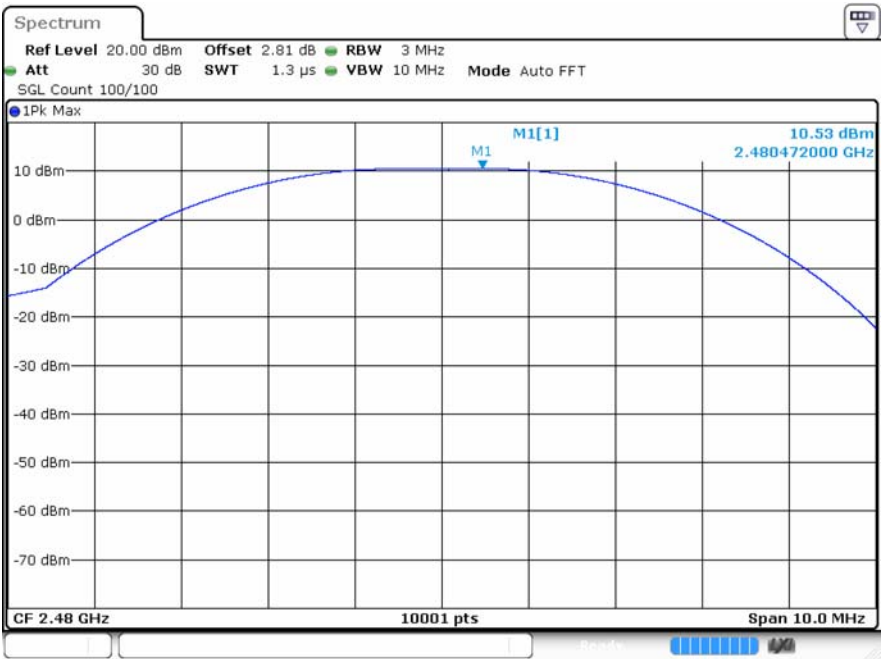
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	12.15	21	Pass
	MCH	11.56	21	Pass
	HCH	10.53	21	Pass

2.2 Test Graphs



GFSK/HCH

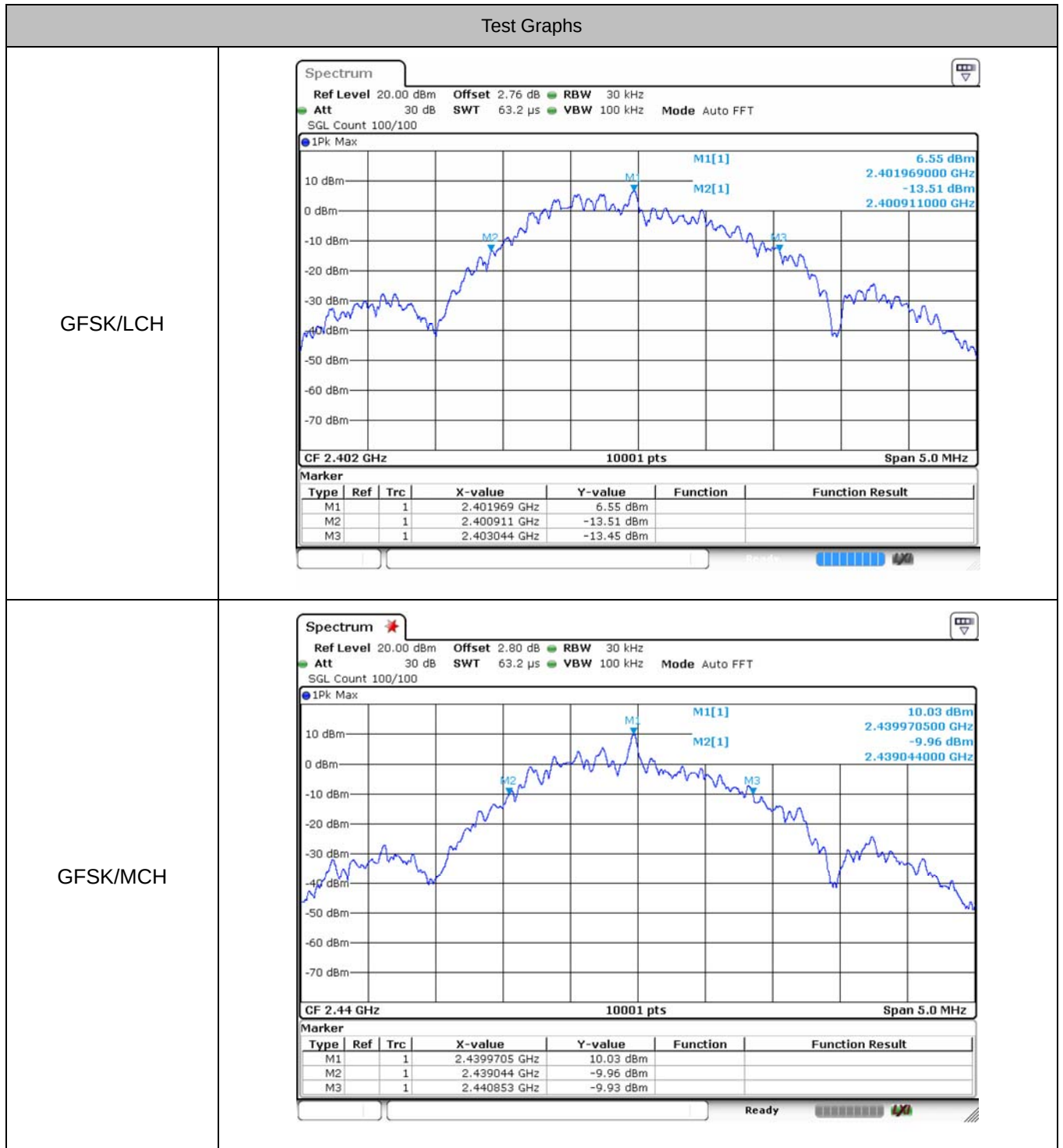


3 20dB Bandwidth

3.1 Test Result

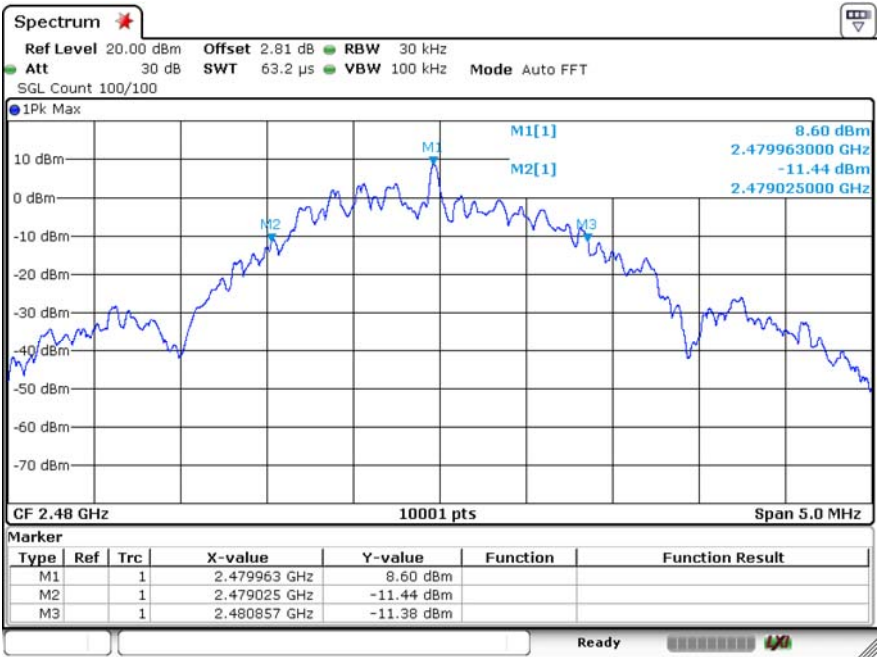
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	2.133	Not Specified	Pass
	MCH	1.809	Not Specified	Pass
	HCH	1.832	Not Specified	Pass

3.2 Test Graphs





GFSK/HCH

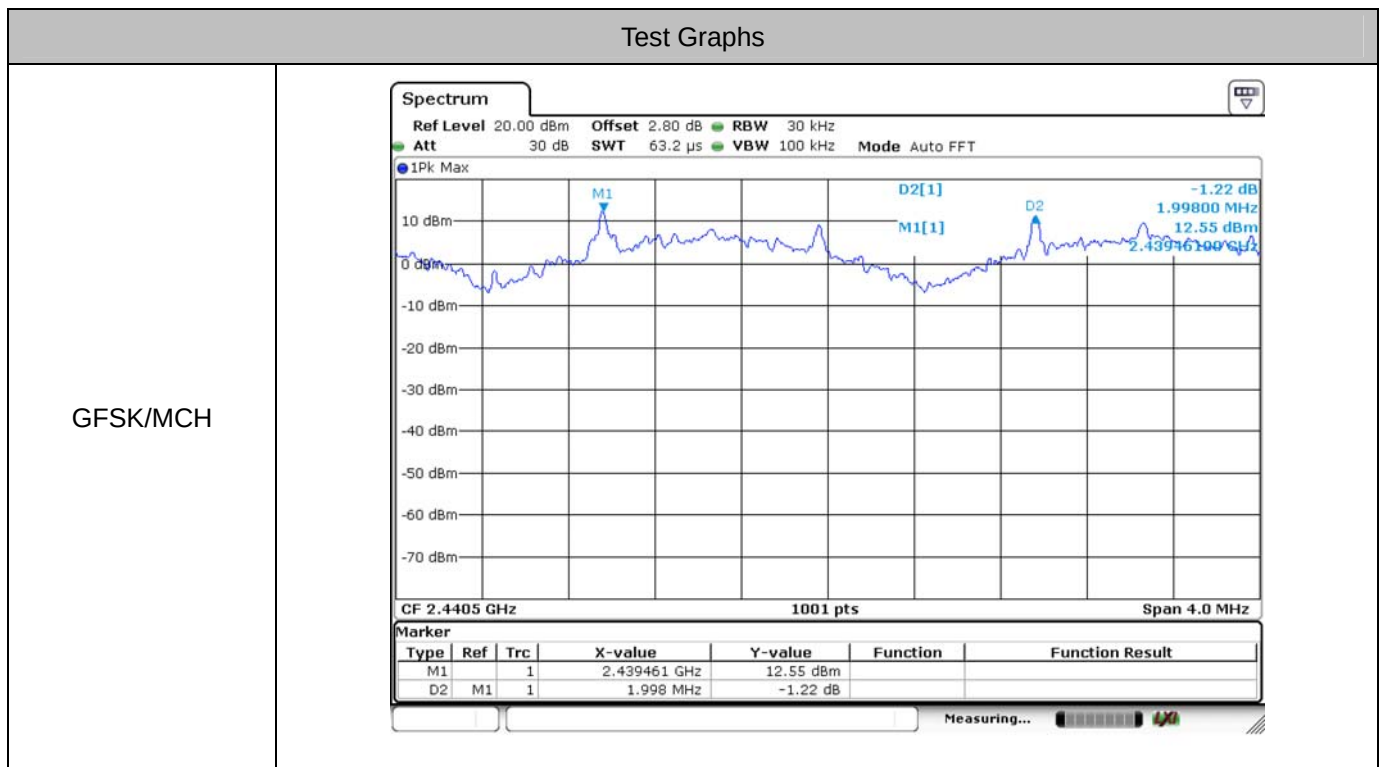


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	1.998	1.221	PASS

4.2 Test Graphs



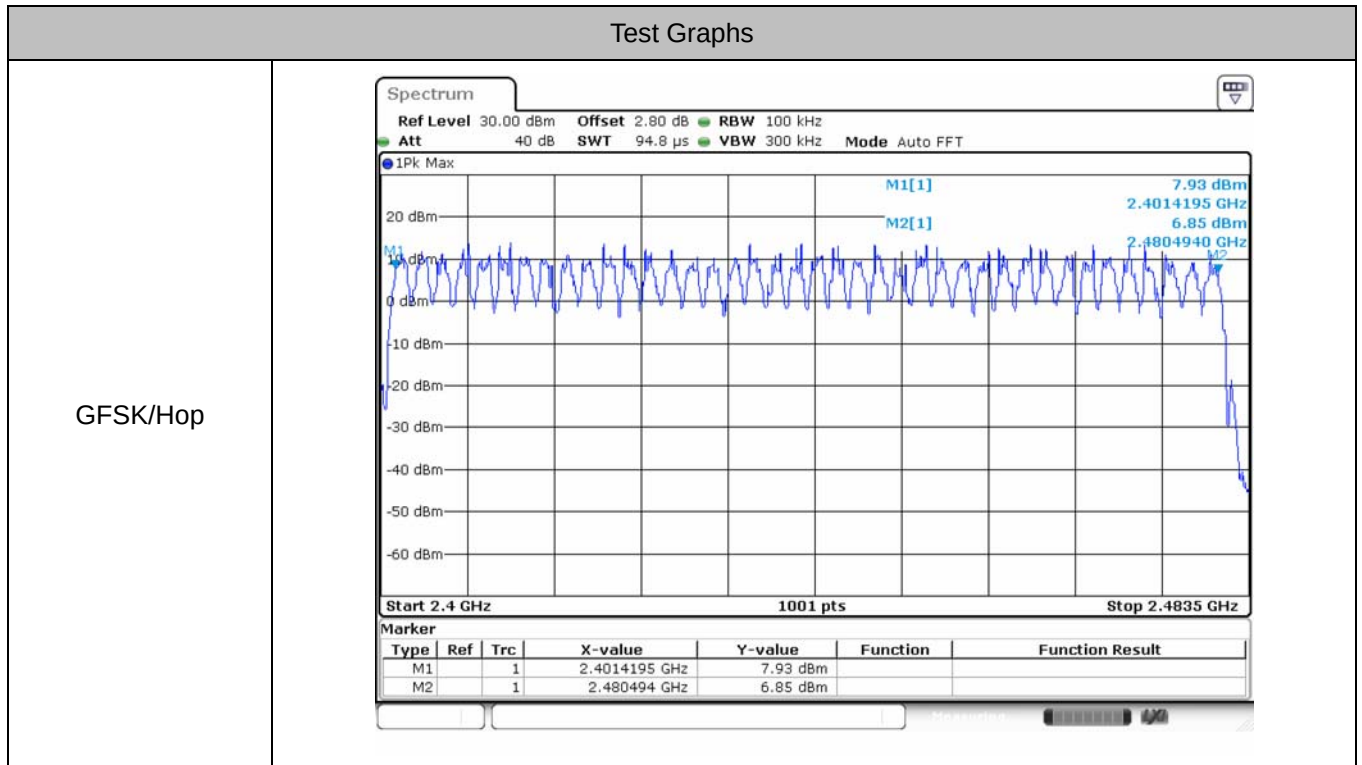


5 Hopping Channel Number

5.1 Test Result

Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	40	≥ 15	PASS

5.2 Test Graphs



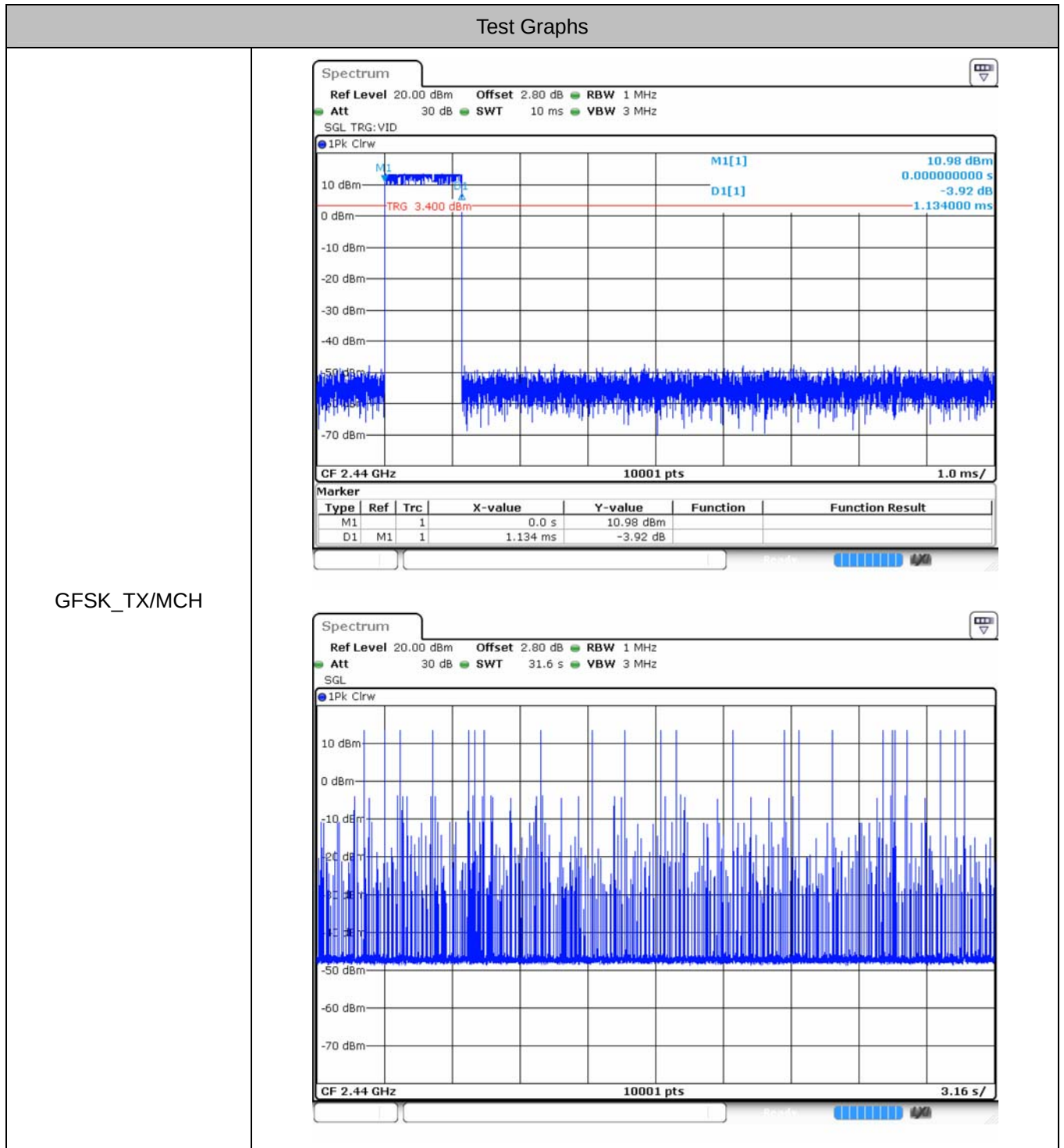


6 Dwell Time

6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	TX	MCH	1.134	23	26.082	0.4	Pass

6.2 Test Graphs

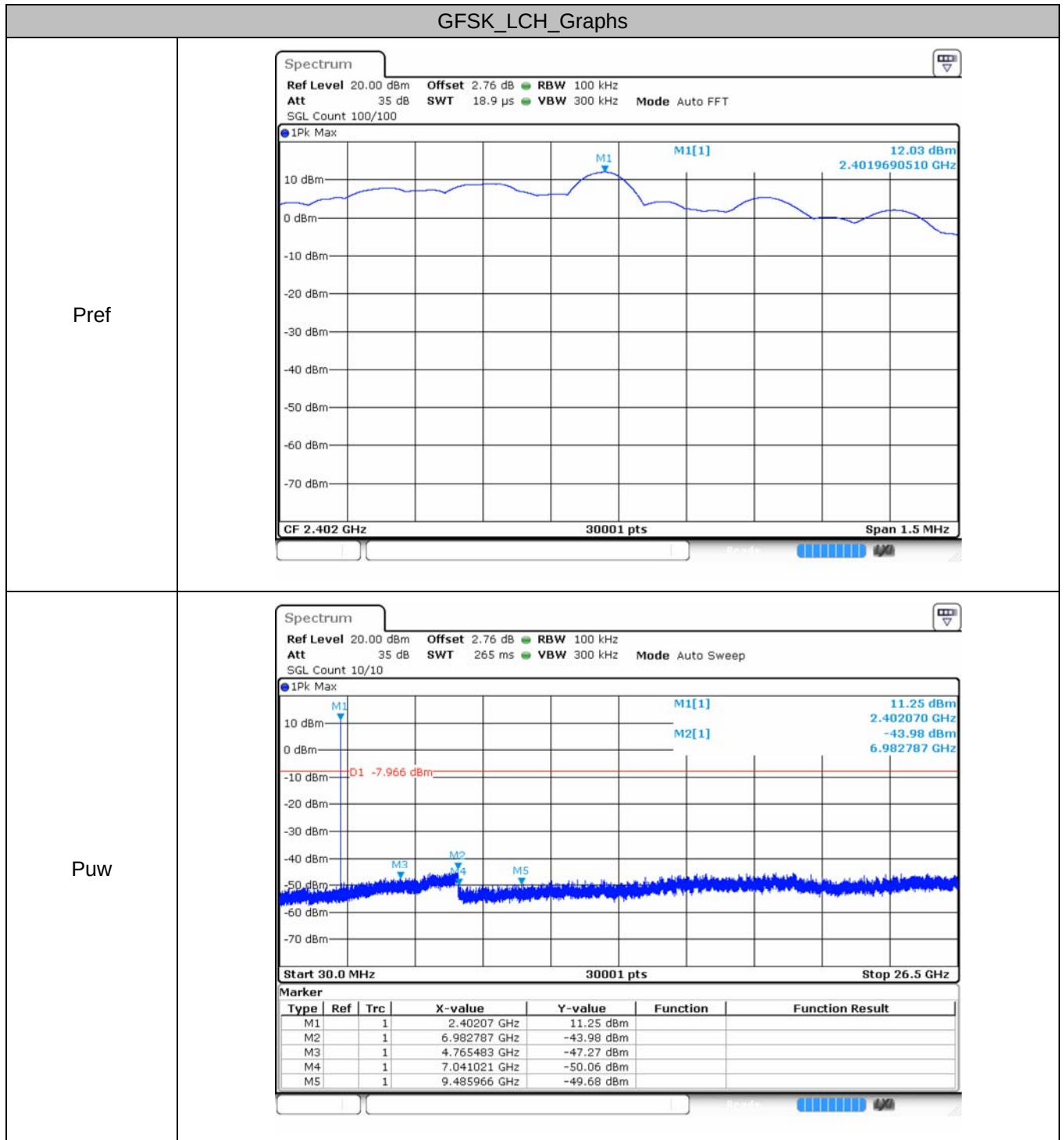


7 RF Conducted Spurious Emissions

7.1 Test Result

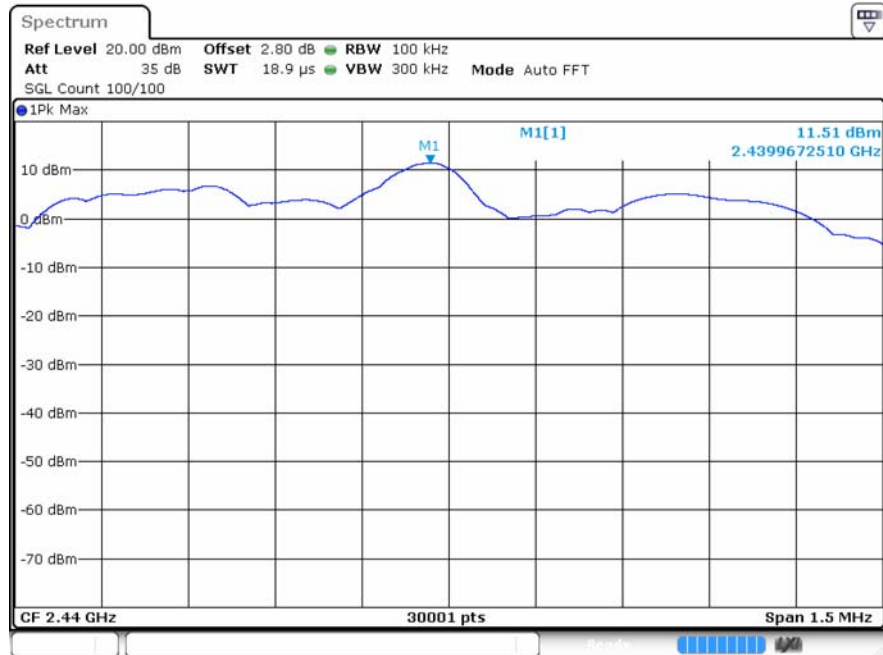
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-56.01	-20	Pass
	MCH	-55.85	-20	Pass
	HCH	-54.36	-20	Pass

7.2 Test Graphs

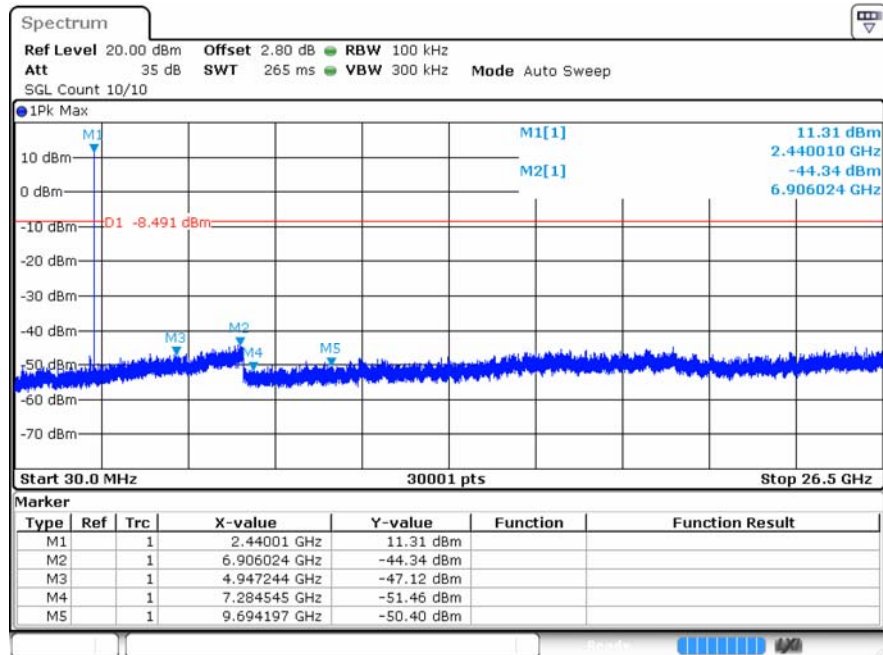


GFSK_MCH_Graphs

Pref

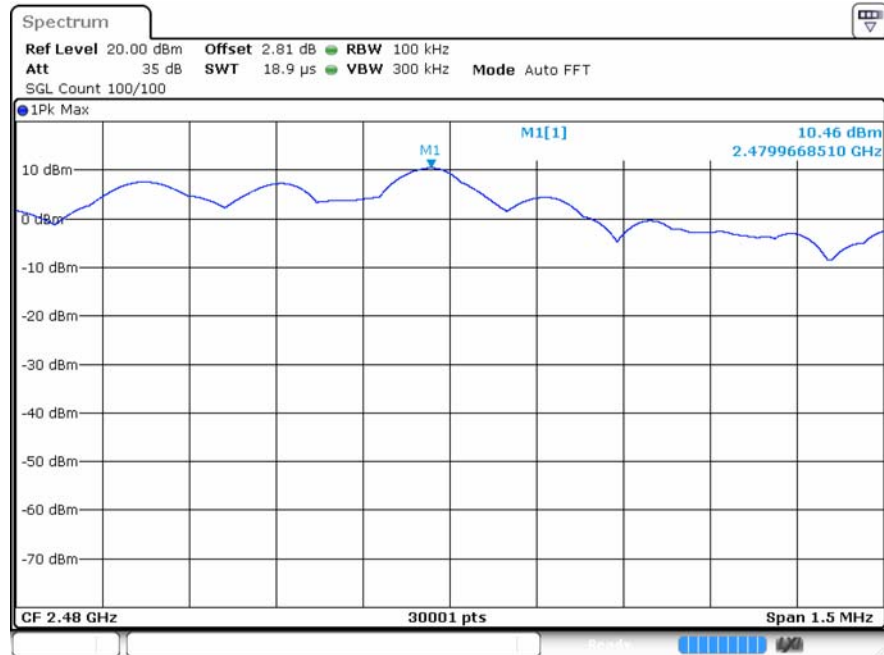


Puw

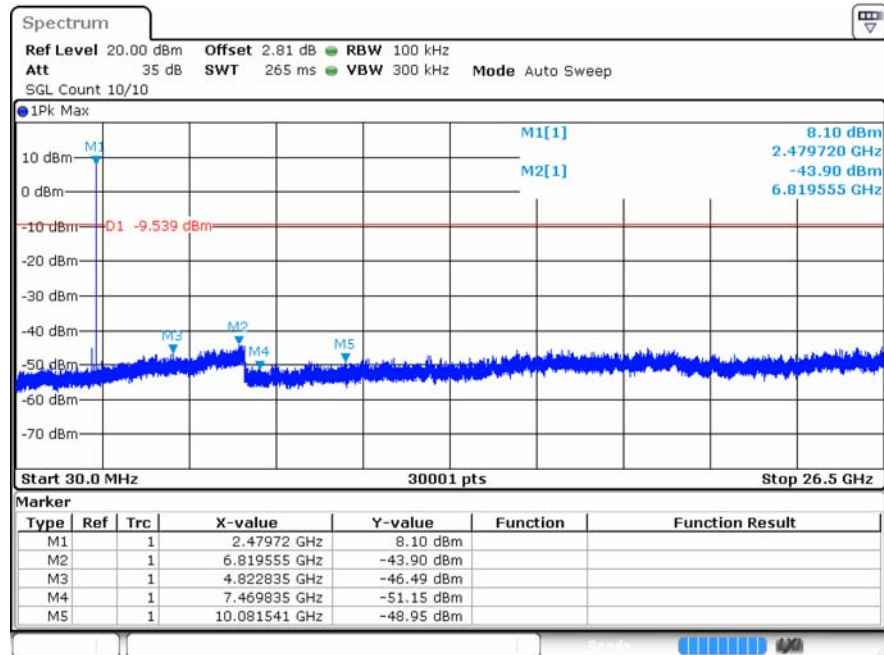


GFSK_HCH_Graphs

Pref



Puw

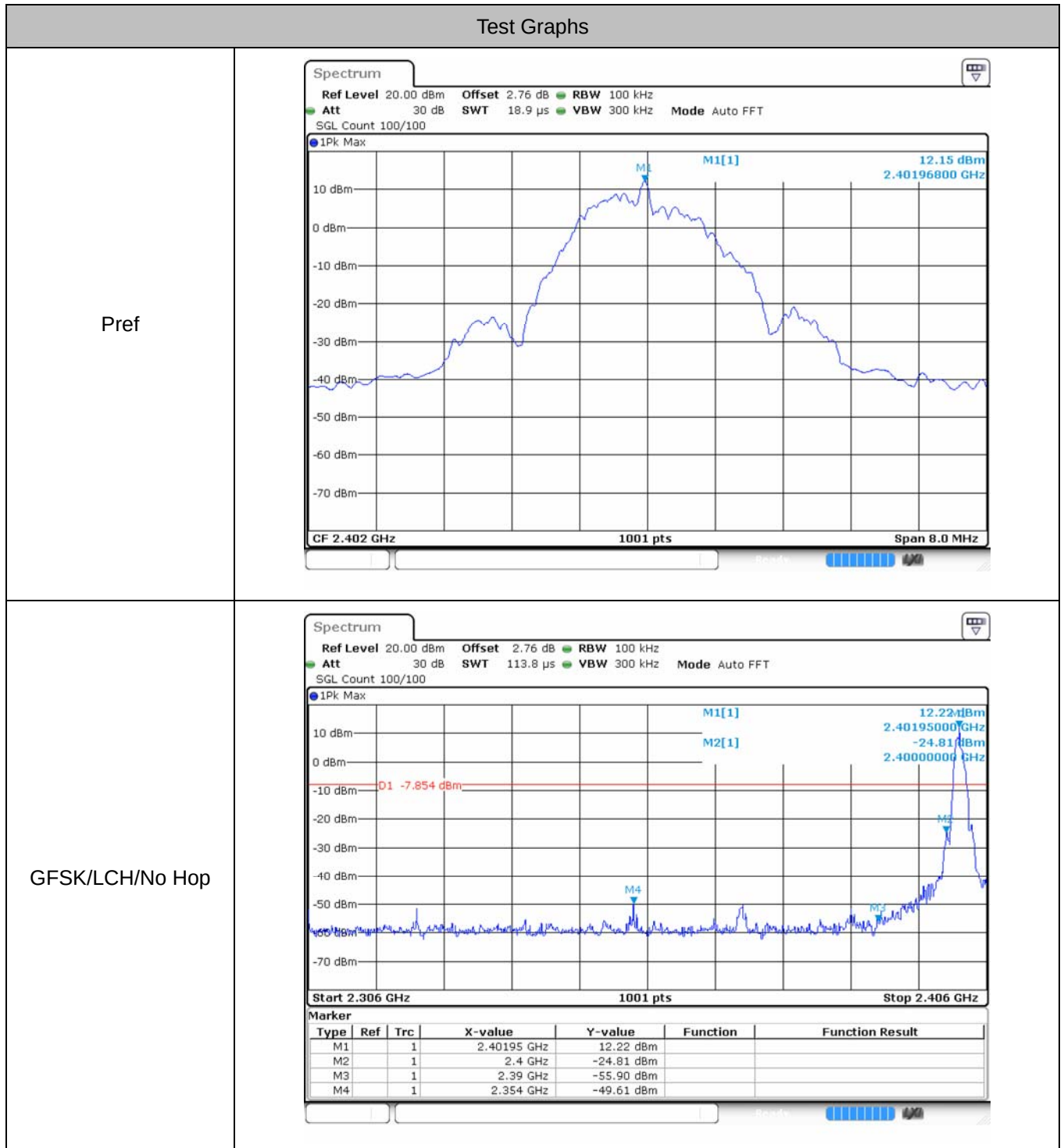


8 Band-edge for RF Conducted Emissions

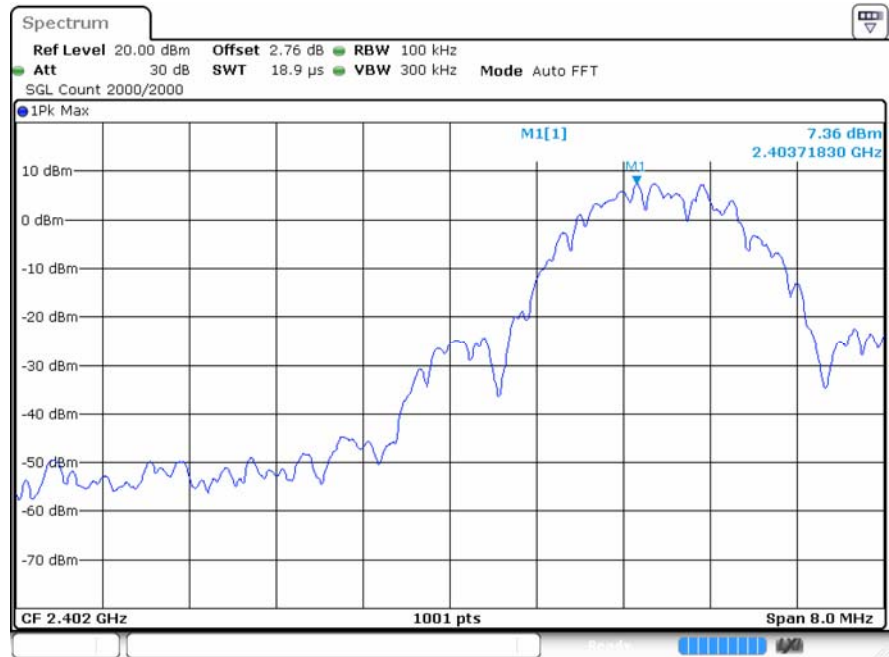
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-61.76	-20	Pass
			On	-51.17	-20	Pass
	HCH	2480	Off	-51.48	-20	Pass
			On	-57.34	-20	Pass

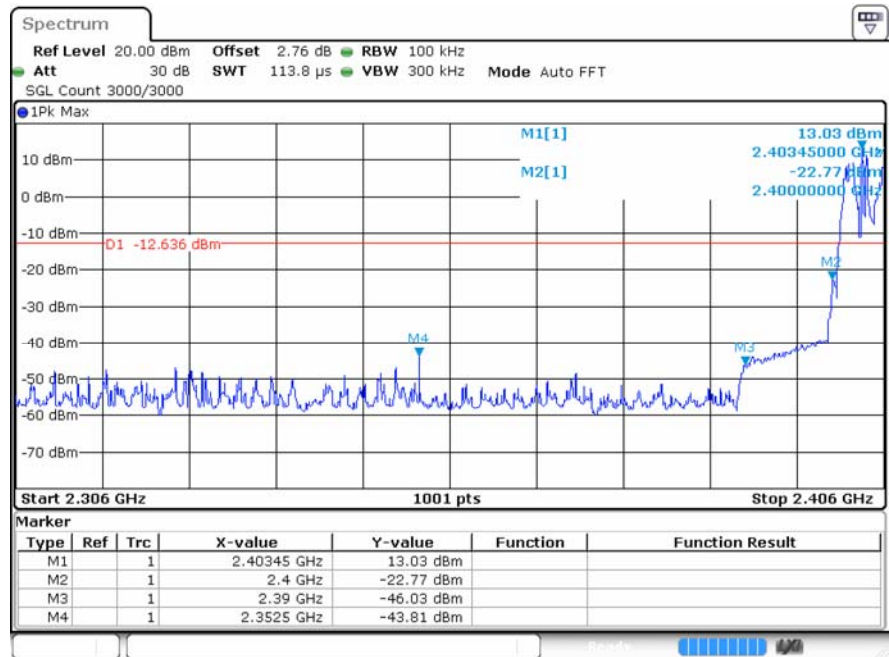
8.2 Test Graphs



Ref



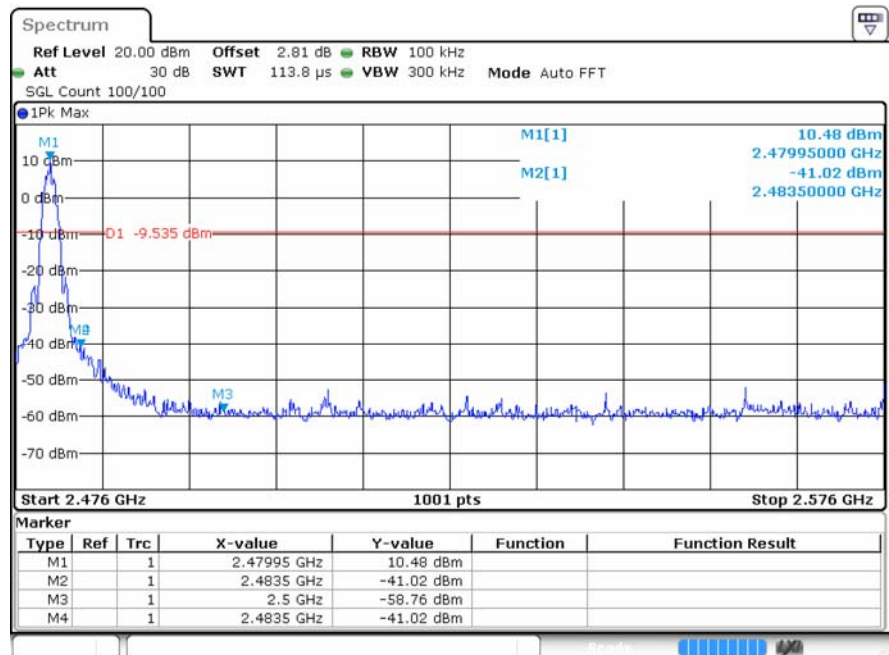
GFSK/LCH/Hop



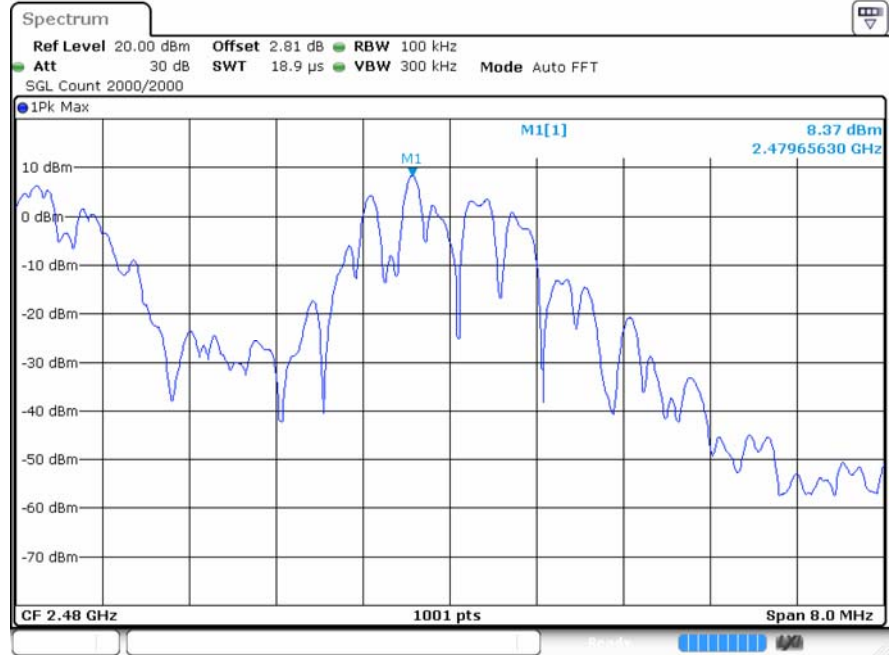
Ref



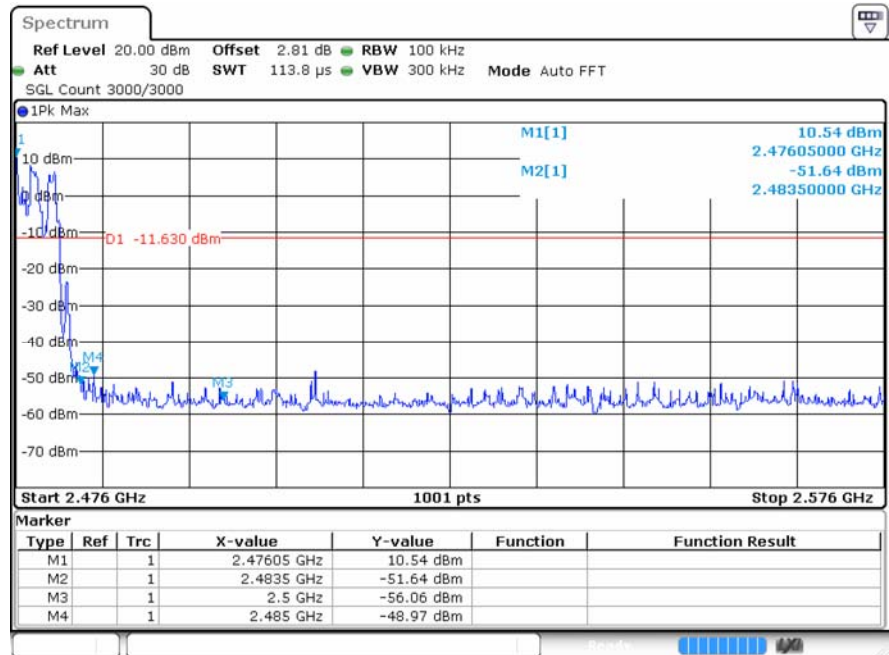
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



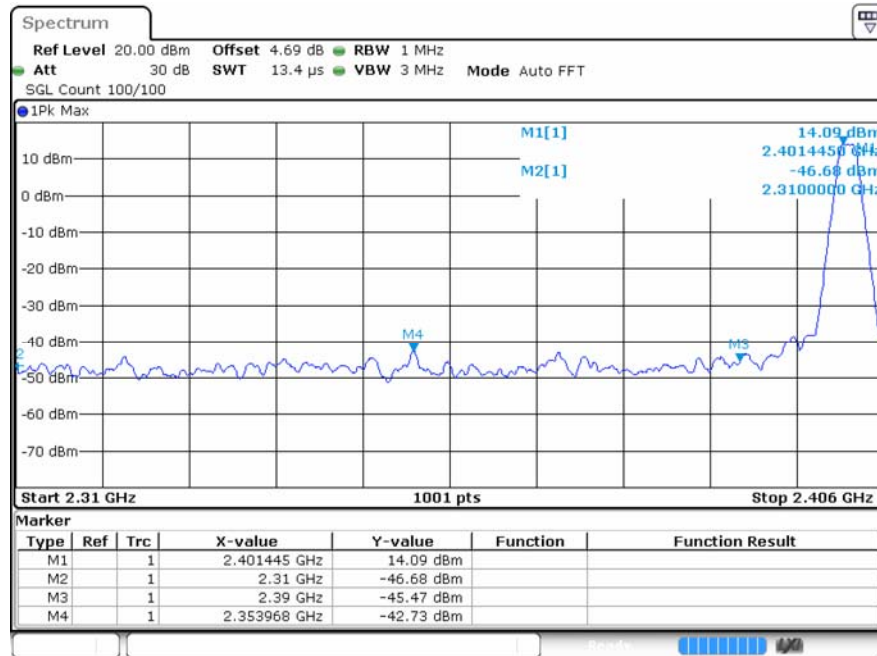
9 Restrict-band band-edge measurements

9.1 Test Result

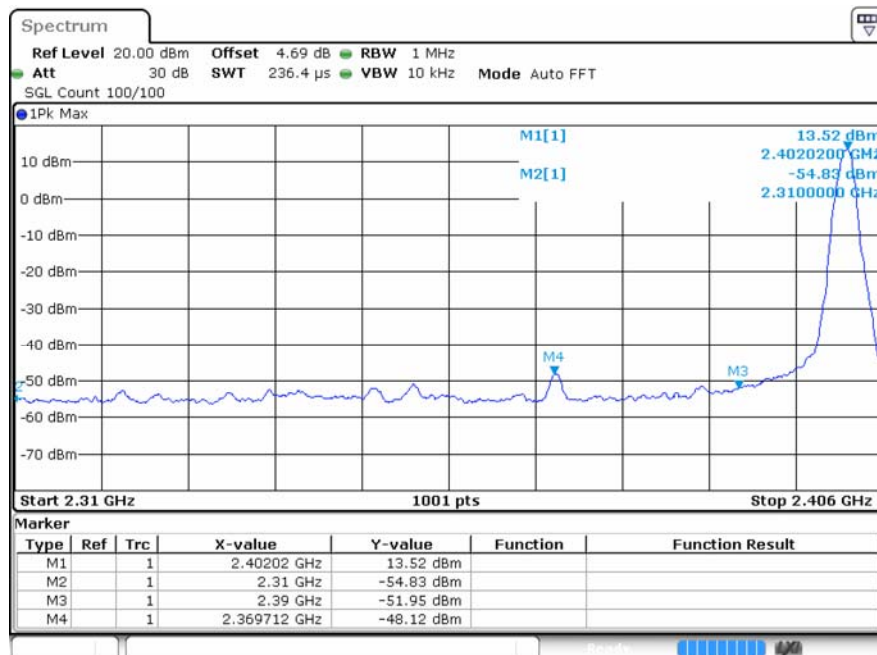
Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-46.67	2	50.59	PEAK	74	Pass
	Off	2310.0	-54.82	2	42.44	AV	54	Pass
	Off	2353.968	-42.72	2	54.54	PEAK	74	Pass
	Off	2369.712	-48.11	2	49.15	AV	54	Pass
	Off	2390.0	-45.46	2	51.8	PEAK	74	Pass
	Off	2390.0	-51.95	2	45.31	AV	54	Pass
	Off	2483.5	-34.04	2	63.22	PEAK	74	Pass
	Off	2483.5	-44.19	2	53.07	AV	54	Pass
	Off	2483.512	-34.04	2	63.22	PEAK	74	Pass
	Off	2483.512	-44.19	2	53.07	AV	54	Pass
	Off	2500.0	-44.98	2	52.28	PEAK	74	Pass
	Off	2500.0	-54.06	2	43.2	AV	54	Pass

9.2 Test Graphs

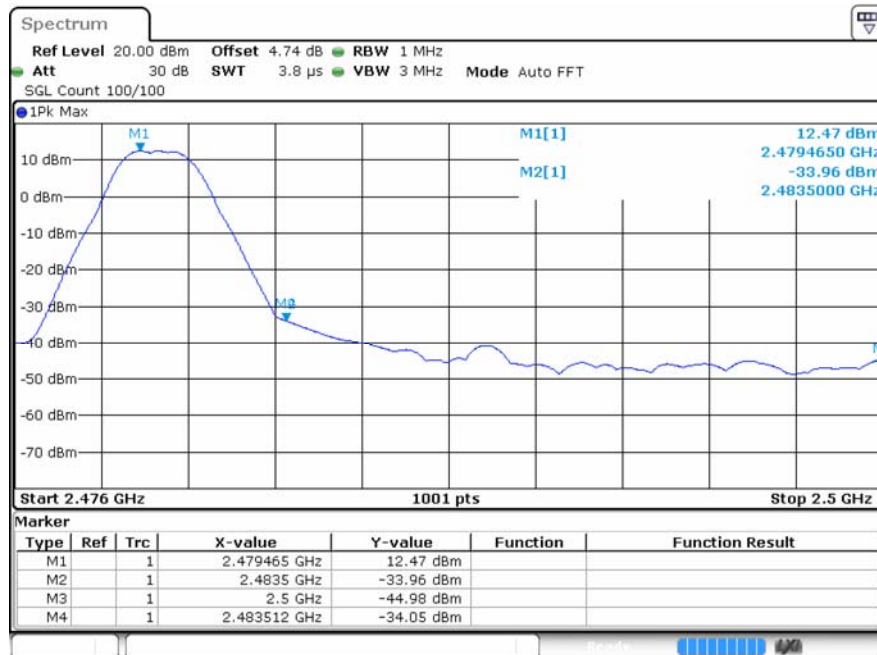
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



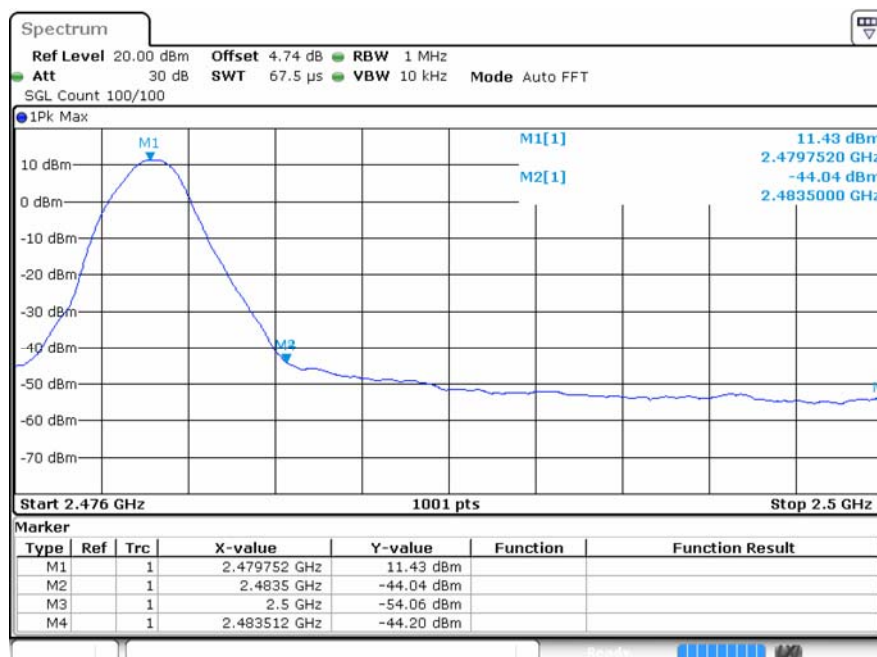
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



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



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



---The End---