



Appendix A_Test Data

for BT(BDR/EDR)

(Conducted Measurement)

Product Name: POWER AMPLIFIER

Trade Mark: PYLE

Test Model: PT30UBT

Environmental Conditions

Temperature:	25.8℃
Relative Humidity:	52.5%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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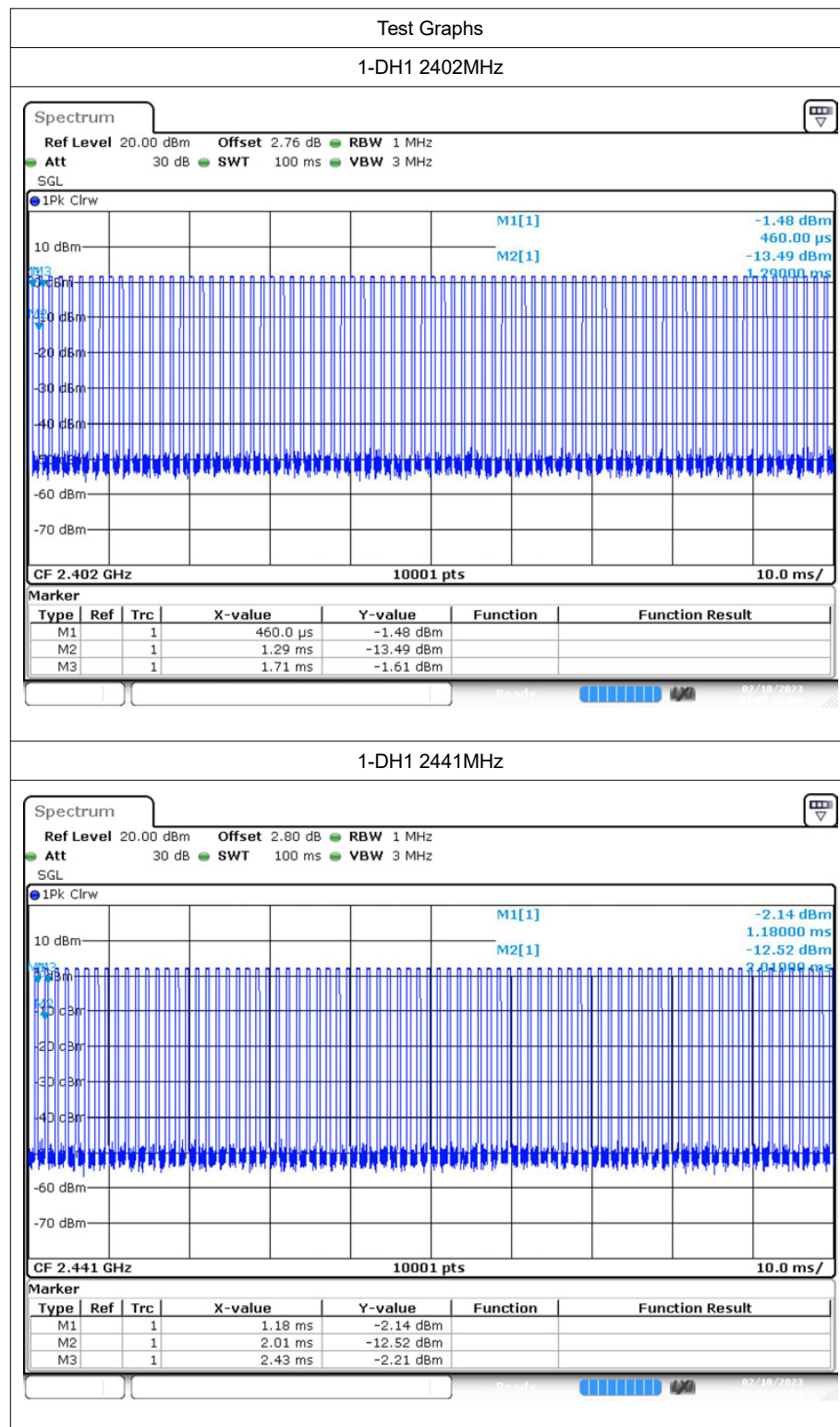
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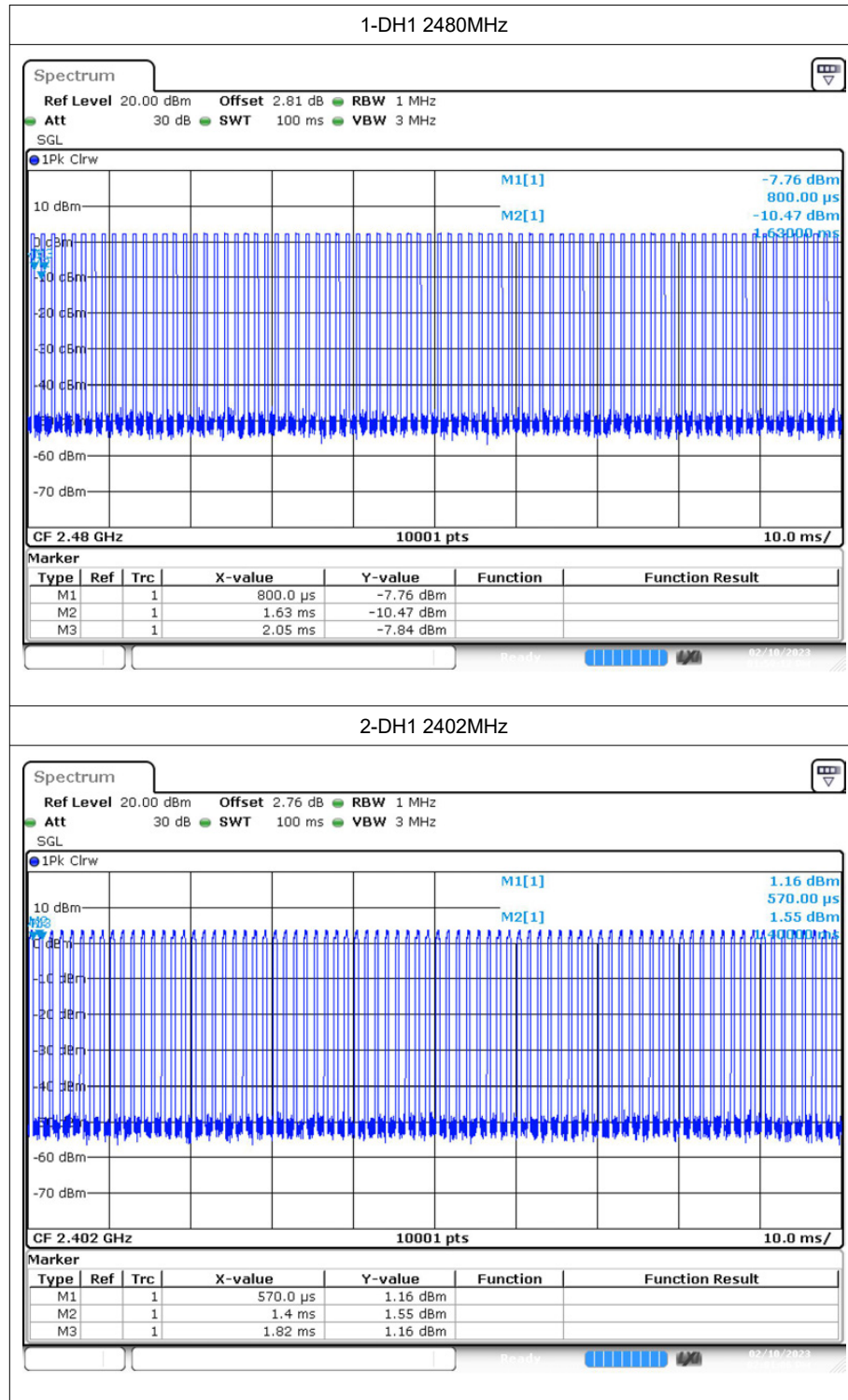
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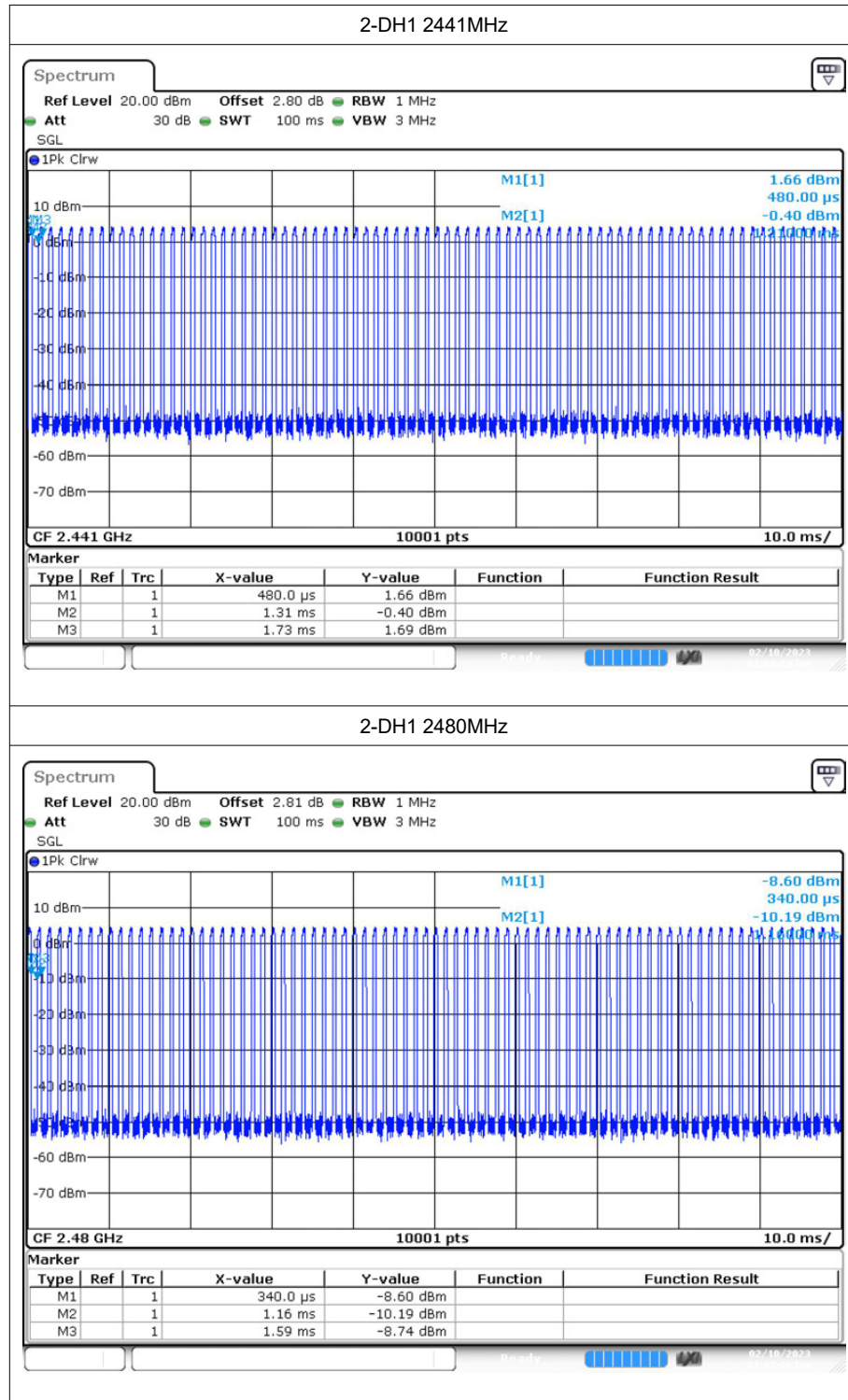
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	34.4	2.38
1-DH1	2441	34.4	2.38
1-DH1	2480	34.4	2.38
2-DH1	2402	34.4	2.38
2-DH1	2441	34.4	2.38
2-DH1	2480	35.21	2.33





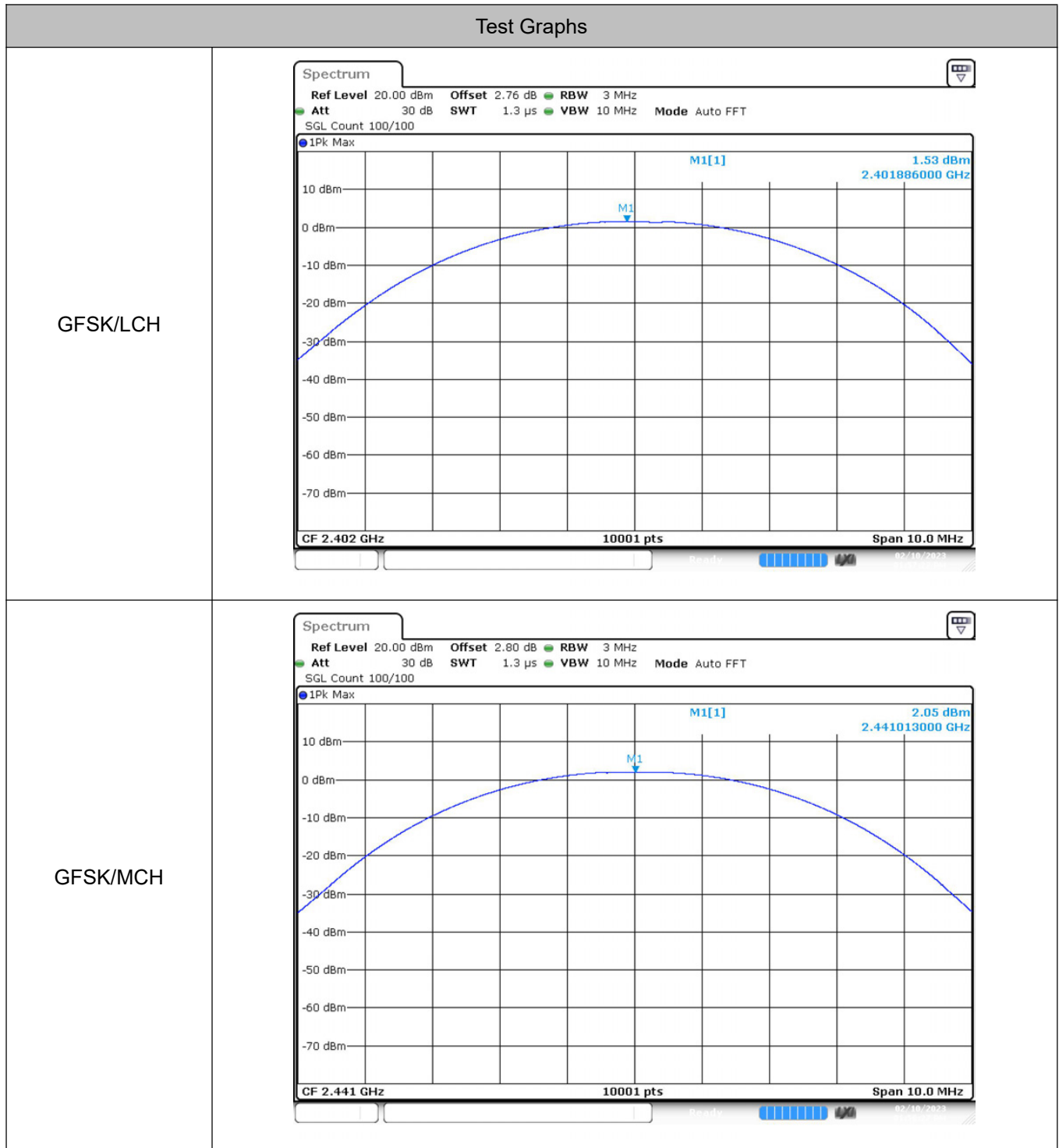


2 Maximum Conducted Peak Output Power

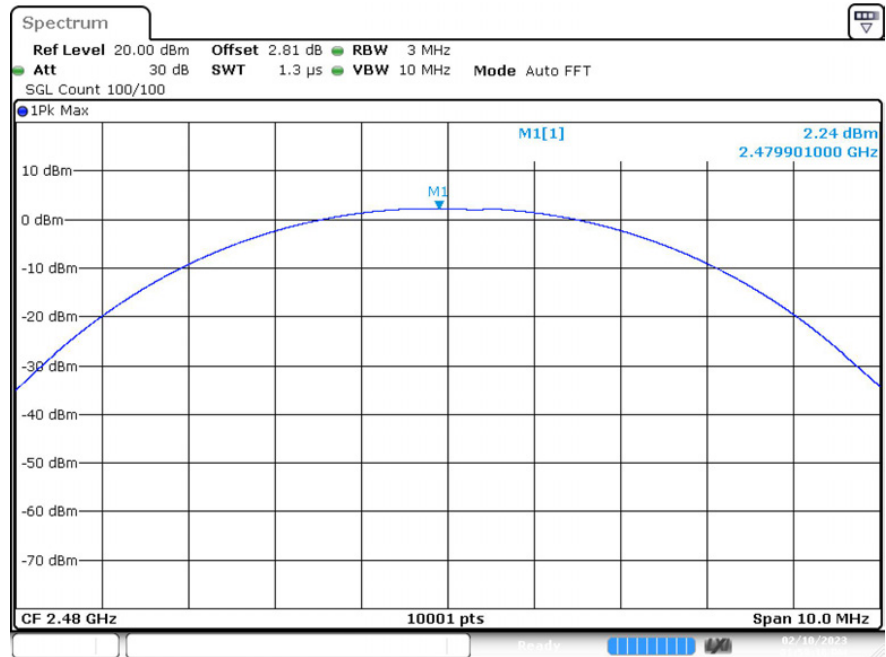
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	1.53	21	Pass
	MCH	2.05	21	Pass
	HCH	2.24	21	Pass
$\pi/4$ DQPSK	LCH	3.1	21	Pass
	MCH	3.71	21	Pass
	HCH	4.03	21	Pass

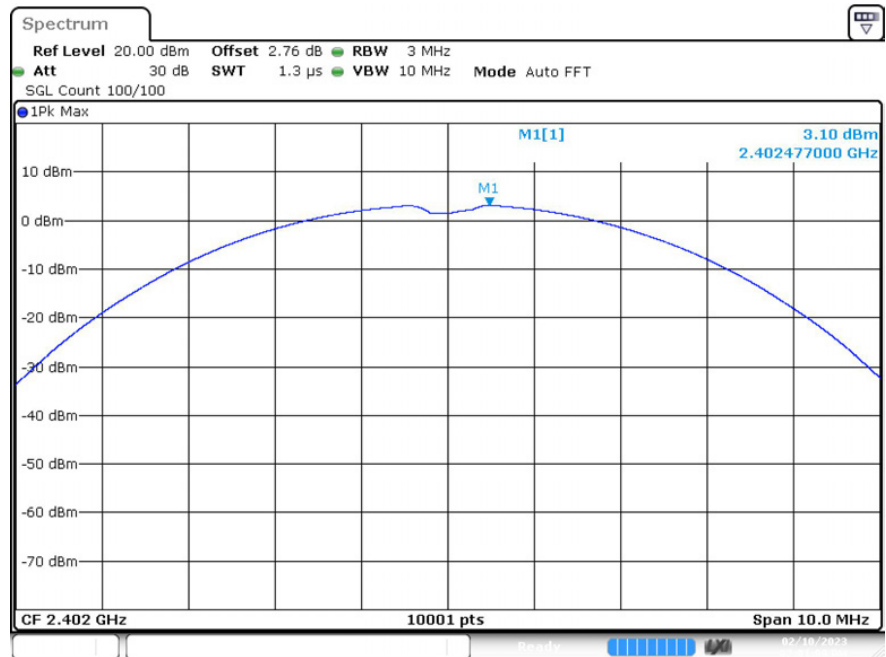
2.2 Test Graphs



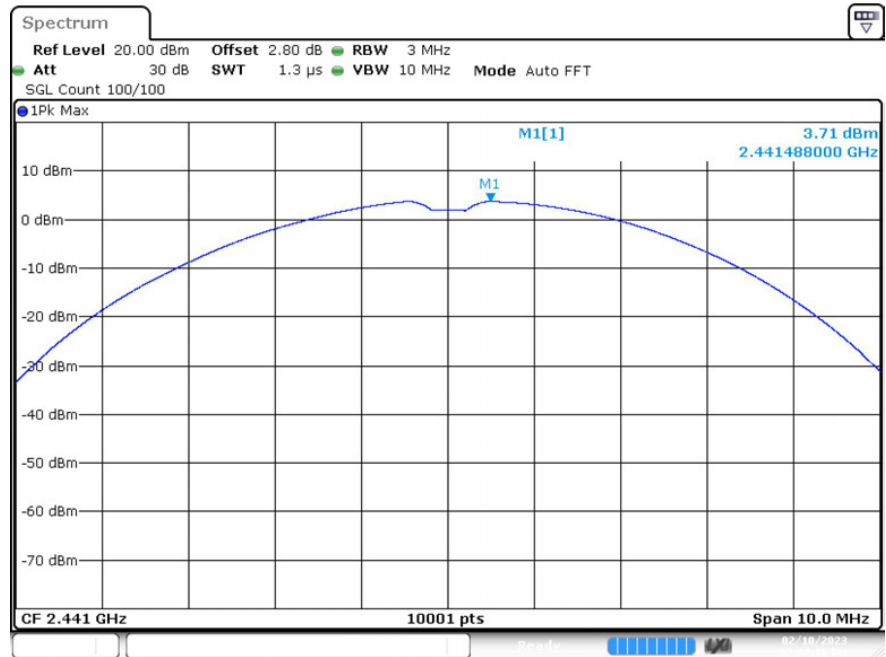
GFSK/HCH



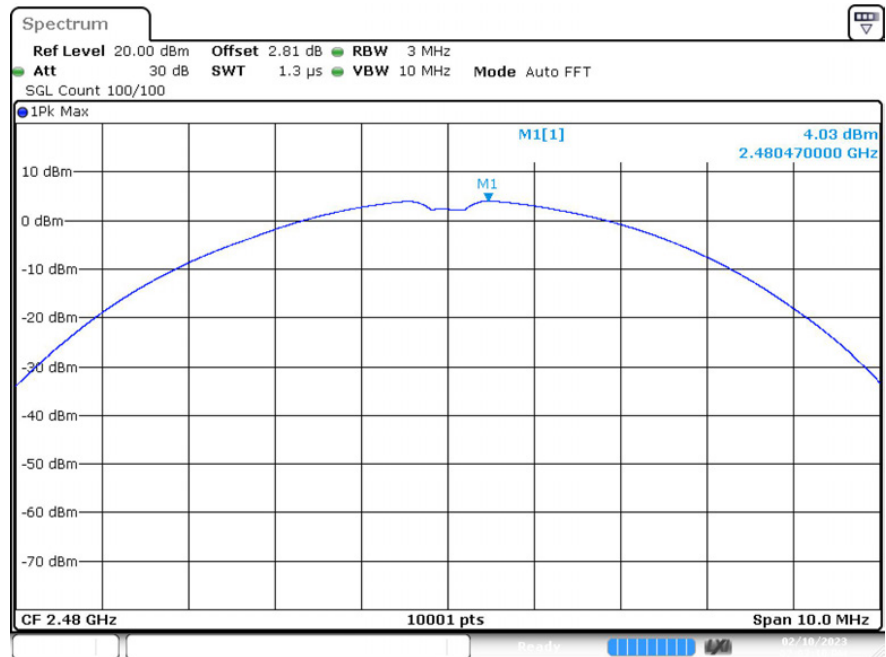
$\pi/4$ DQPSK/LCH



$\pi/4$ DQPSK/MCH



$\pi/4$ DQPSK/HCH

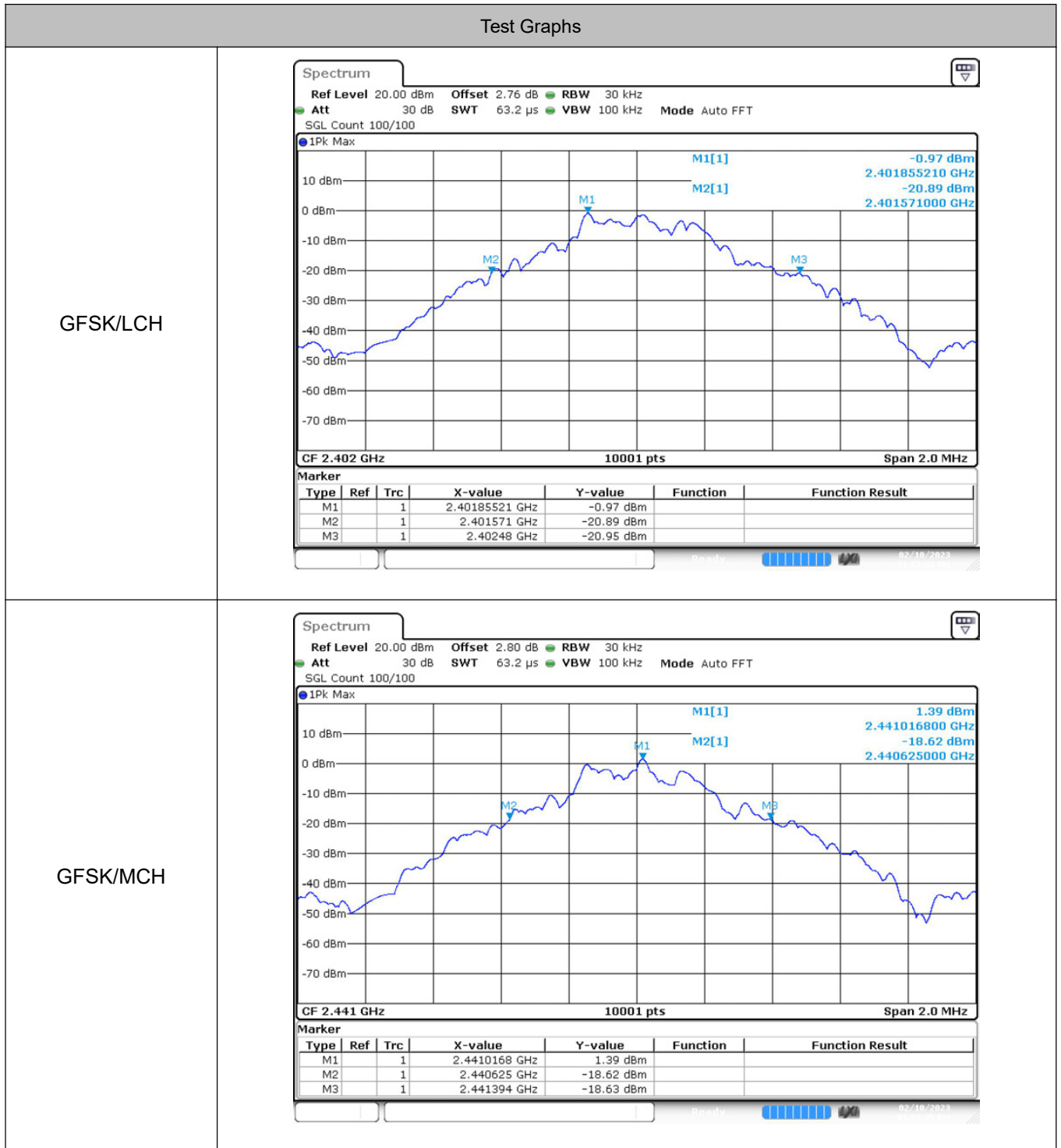


3 20dB Bandwidth

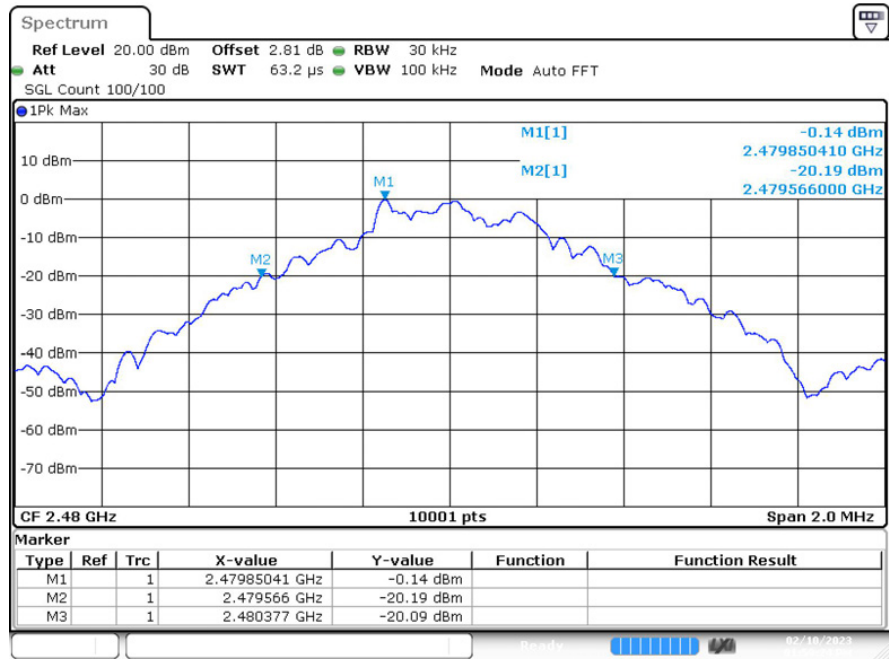
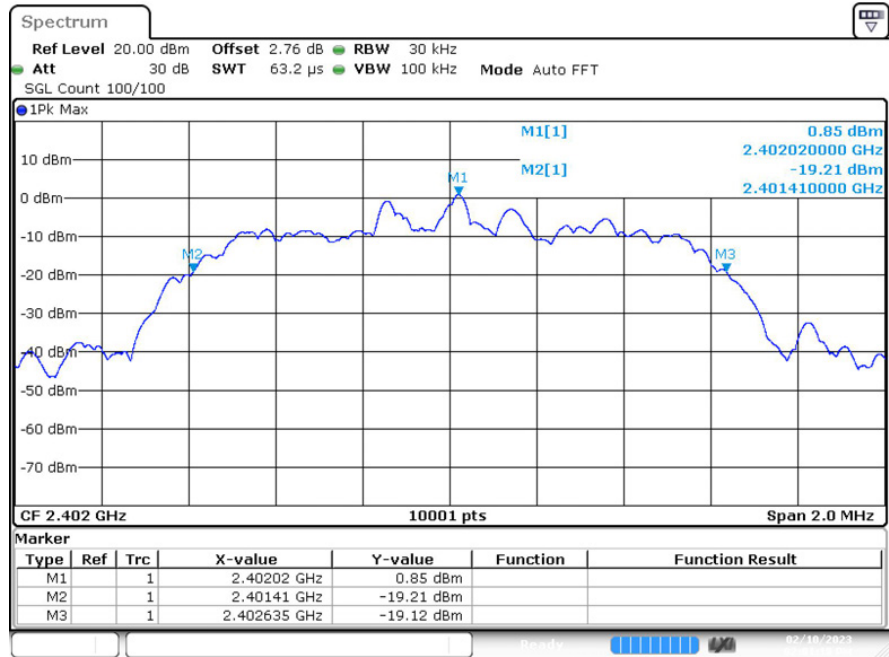
3.1 Test Result

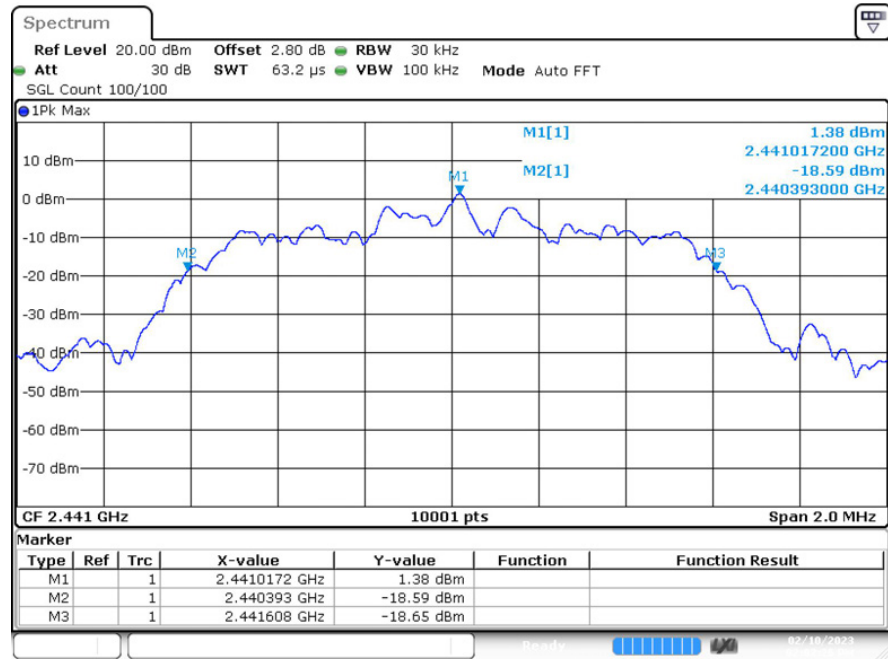
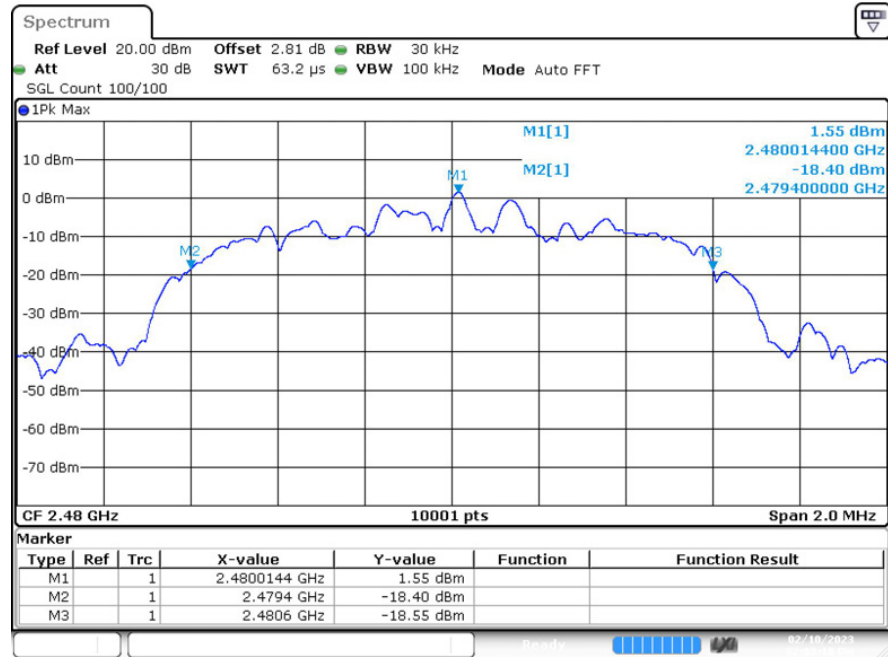
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.909	Not Specified	Pass
	MCH	0.769	Not Specified	Pass
	HCH	0.811	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.225	Not Specified	Pass
	MCH	1.215	Not Specified	Pass
	HCH	1.2	Not Specified	Pass

3.2 Test Graphs



GFSK/HCH


 $\pi/4$ DQPSK/LCH


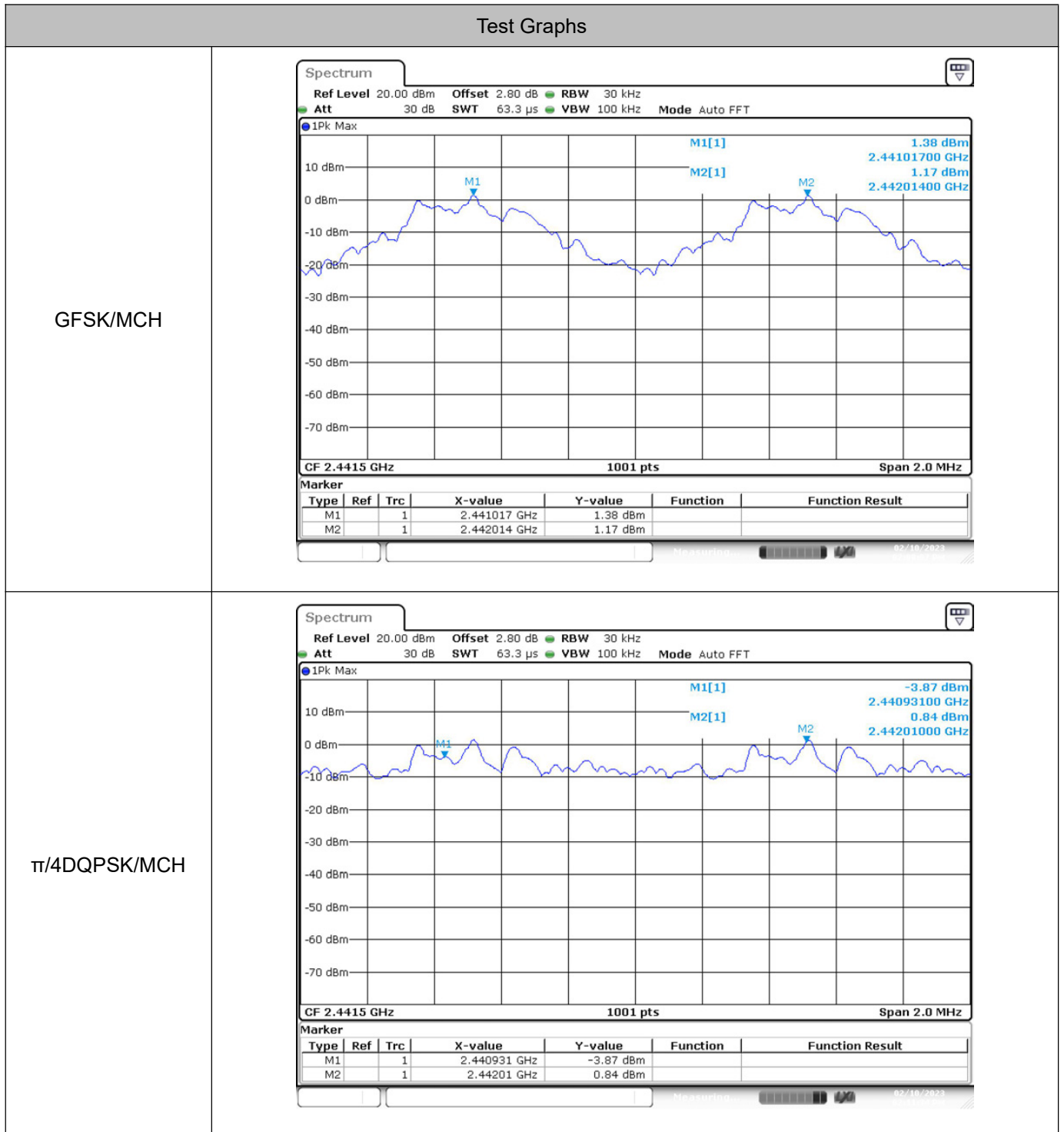
$\pi/4$ DQPSK/MCH

 $\pi/4$ DQPSK/HCH


4 Carrier Frequency Separation

4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.997	0.513	Pass
$\pi/4$ DQPSK	MCH	1.079	0.81	Pass

4.2 Test Graphs

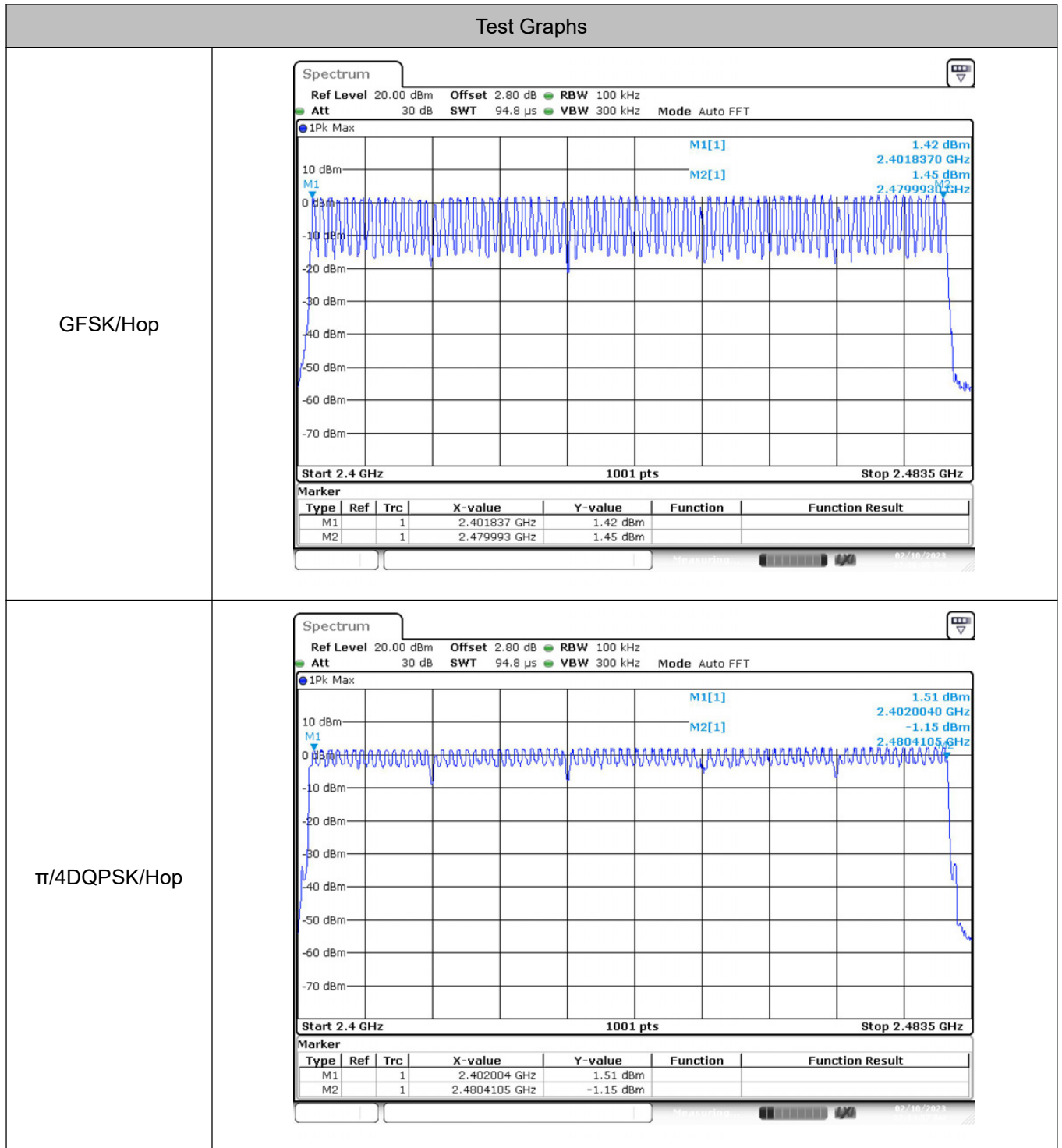


5 Hopping Channel Number

5.1 Test Result

Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	≥ 15	PASS
$\pi/4$ DQPSK	Hop	79	≥ 15	PASS

5.2 Test Graphs



6 Dwell Time

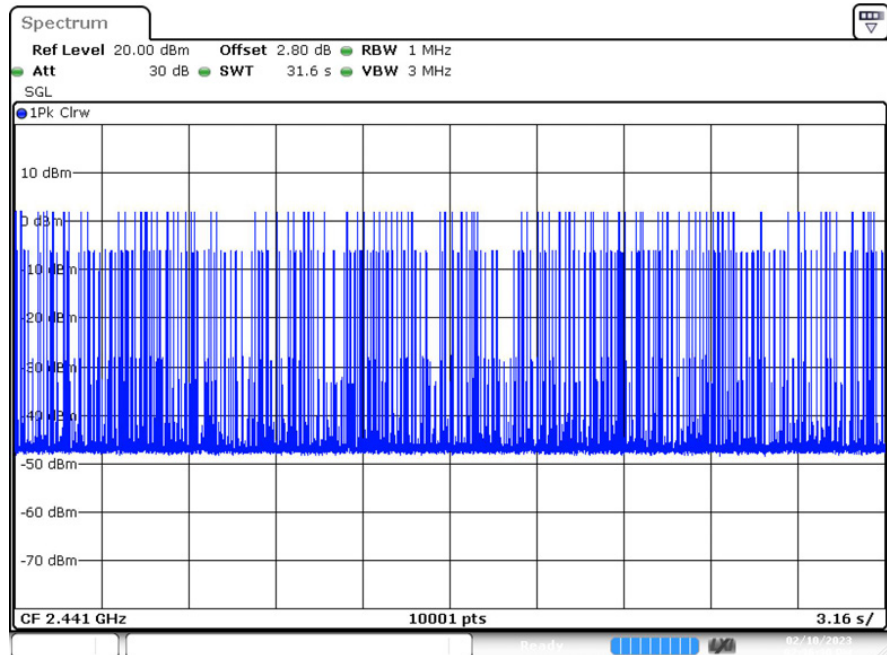
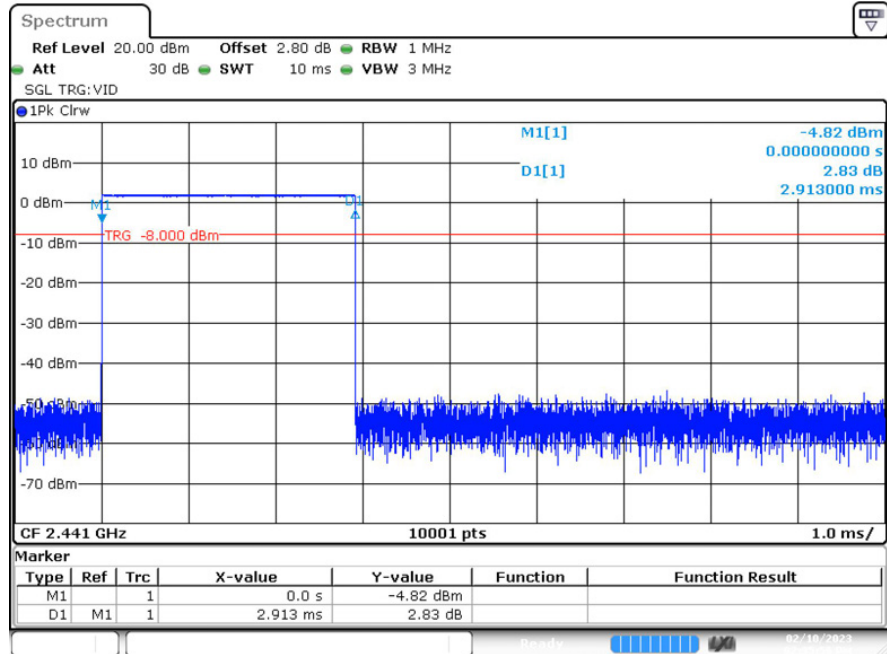
6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.913	116	337.908	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.918	113	329.734	0.4	Pass

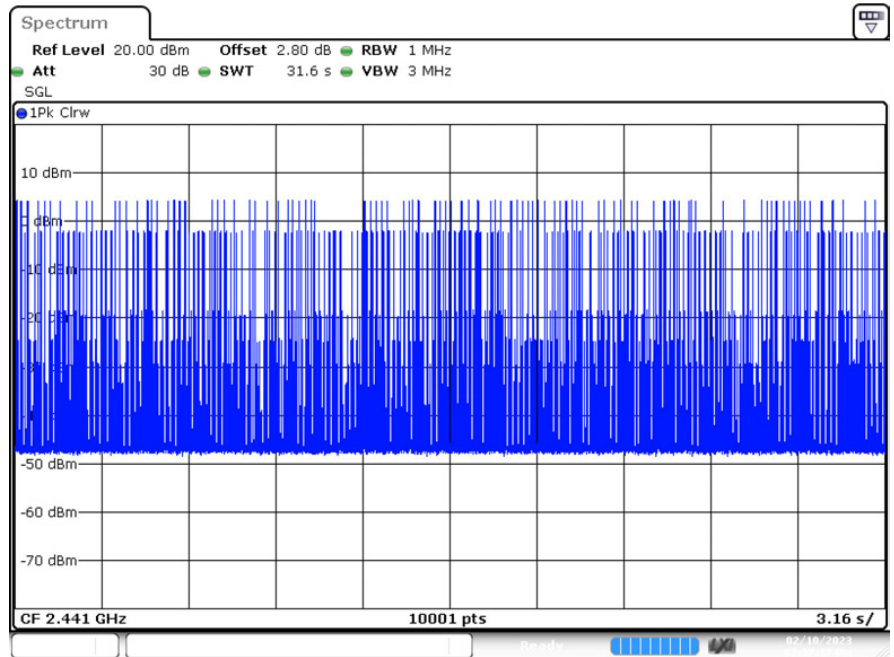
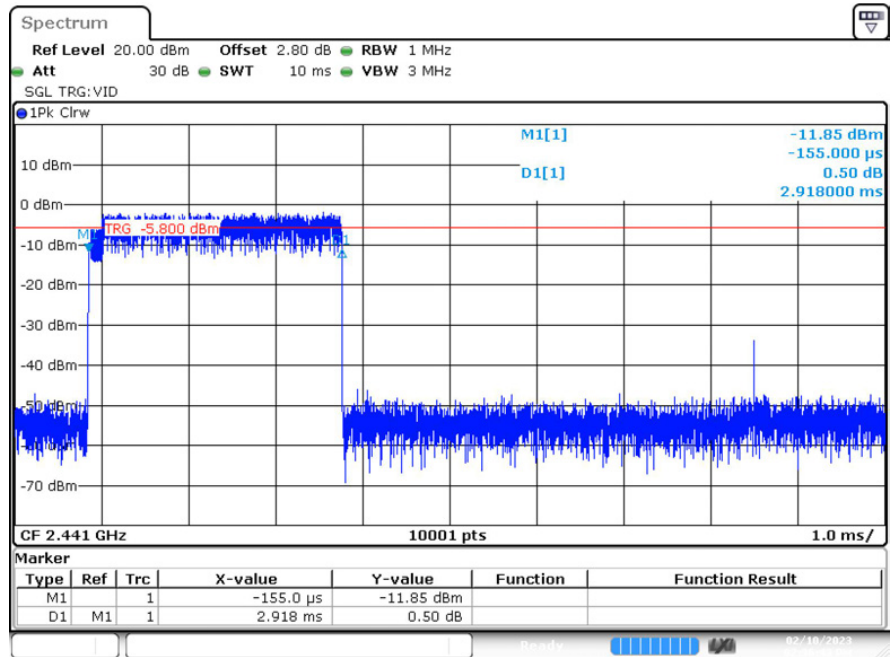
6.2 Test Graphs

Test Graphs

GFSK_DH5/MCH



$\pi/4$ DQPSK
_2DH5/MCH



7 RF Conducted Spurious Emissions

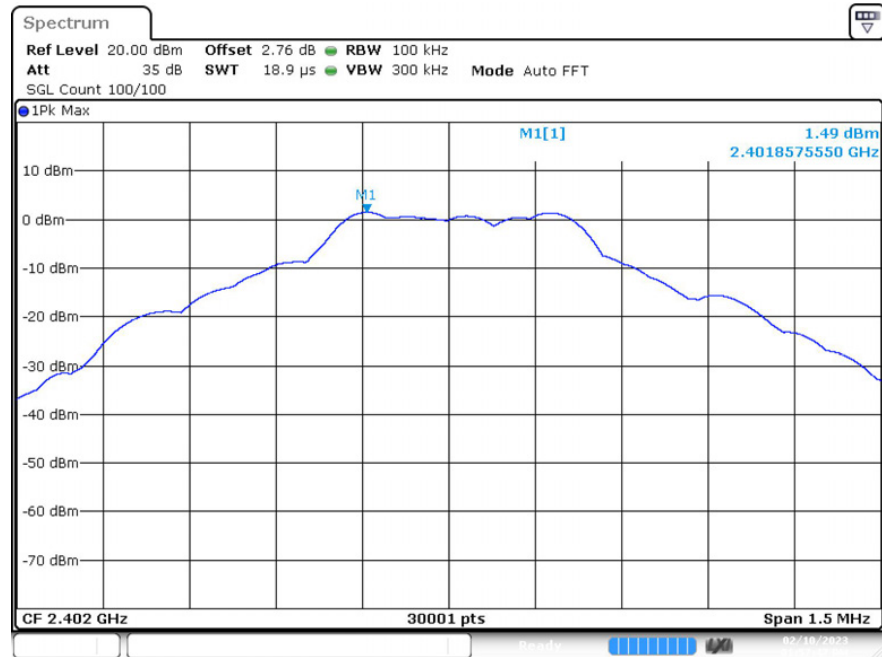
7.1 Test Result

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-31.61	-20	Pass
	MCH	-30.64	-20	Pass
	HCH	-28.71	-20	Pass
$\pi/4$ DQPSK	LCH	-34.66	-20	Pass
	MCH	-32.27	-20	Pass
	HCH	-33.24	-20	Pass

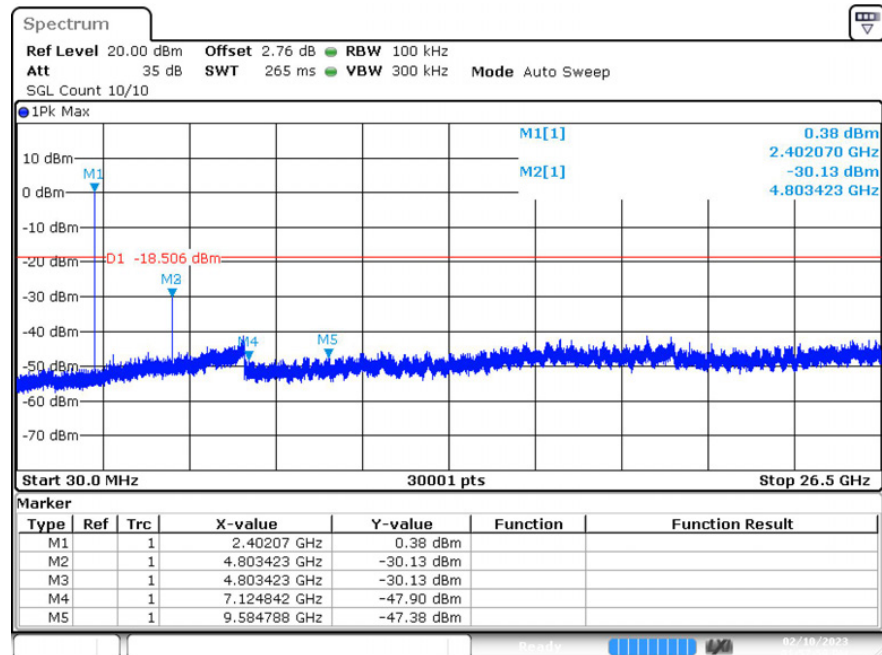
7.2 Test Graphs

GFSK_LCH_Graphs

Pref

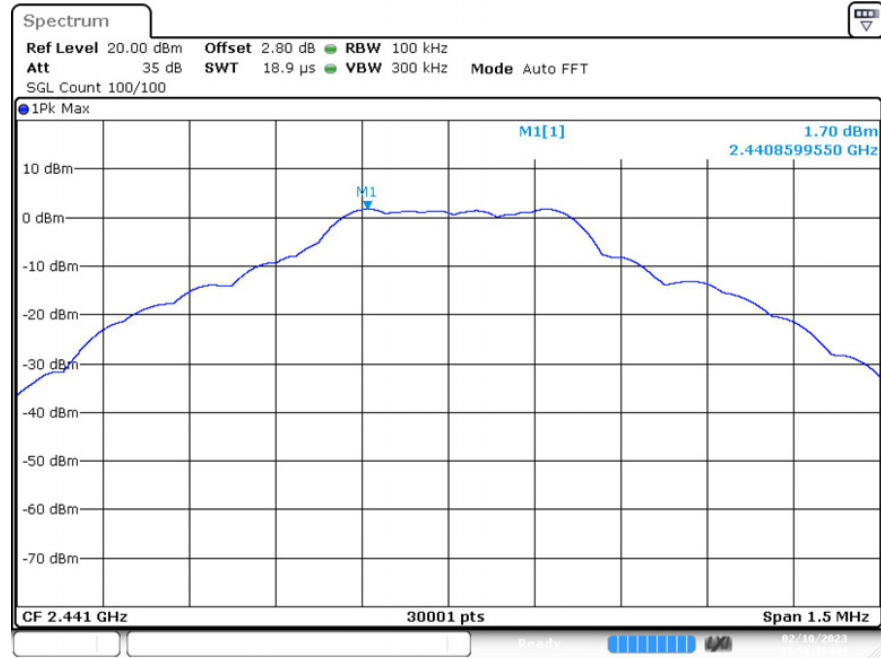


Puw

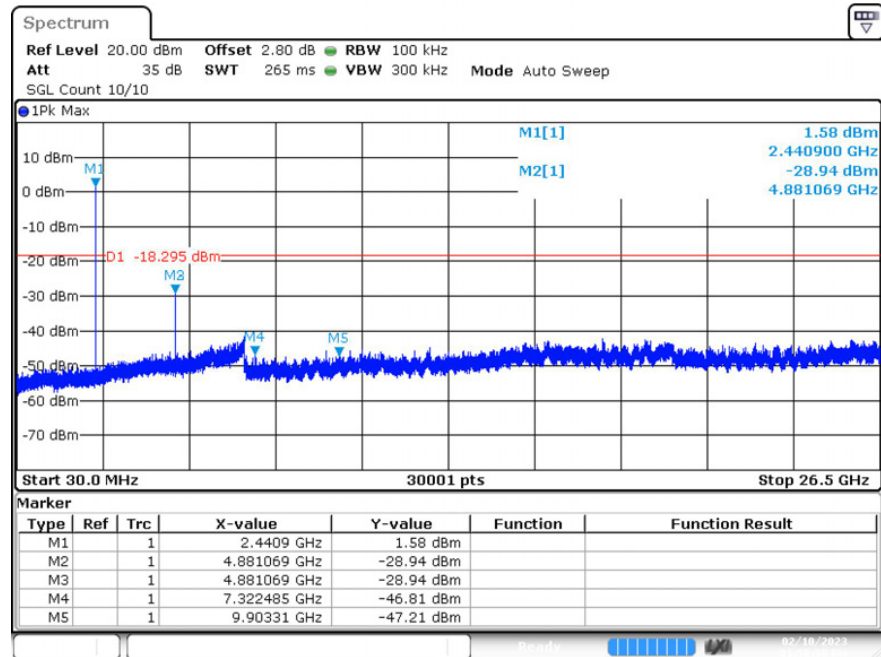


GFSK_MCH_Graphs

Pref

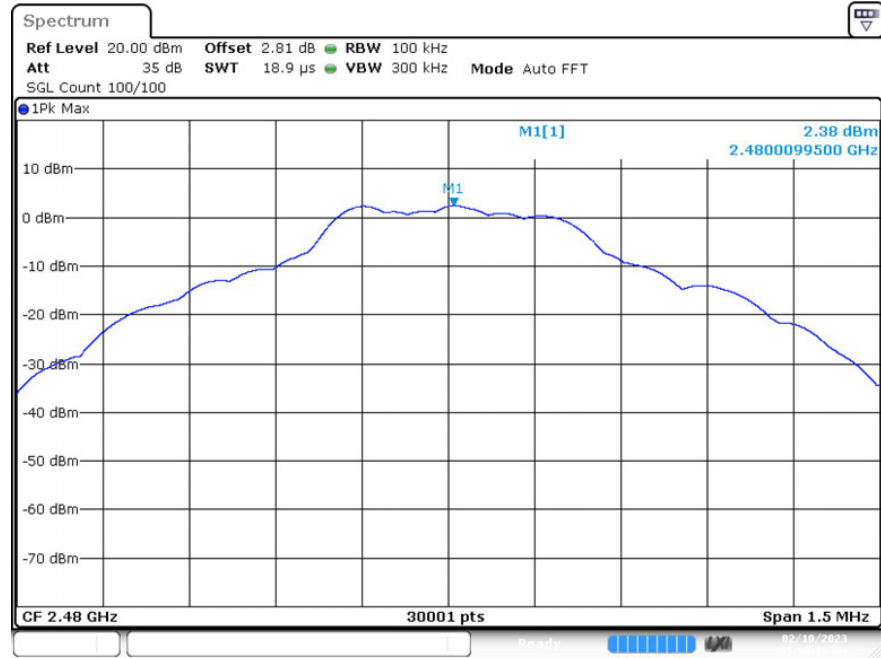


Puw



GFSK_HCH_Graphs

Pref



Puw

