



Appendix A

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

Product Name: Rotating open cover 360 degrees panoramic sound ear clip sports sweat resistant earphones

Trade Mark: N/A

Test Model: S36

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	51.6%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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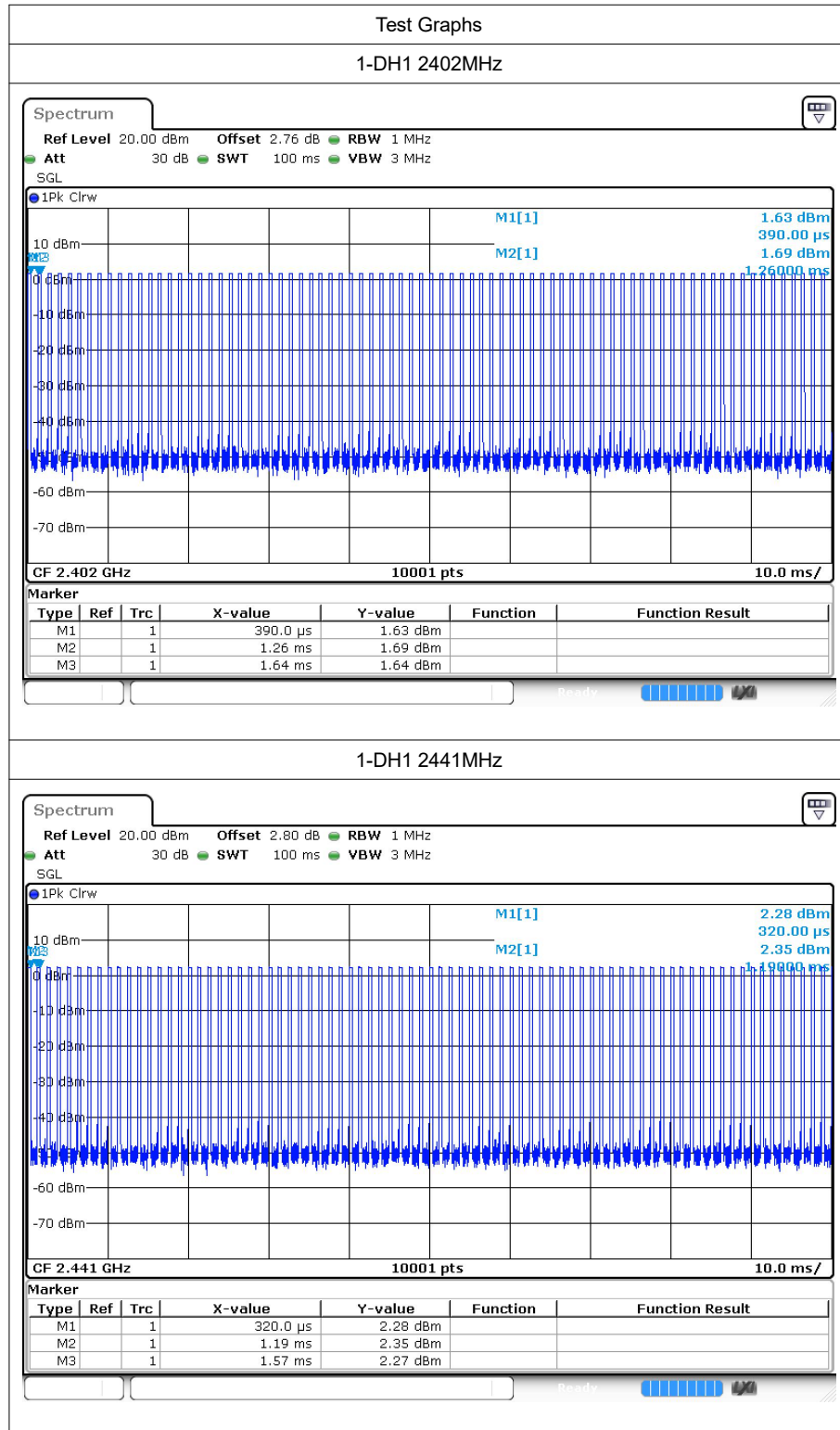
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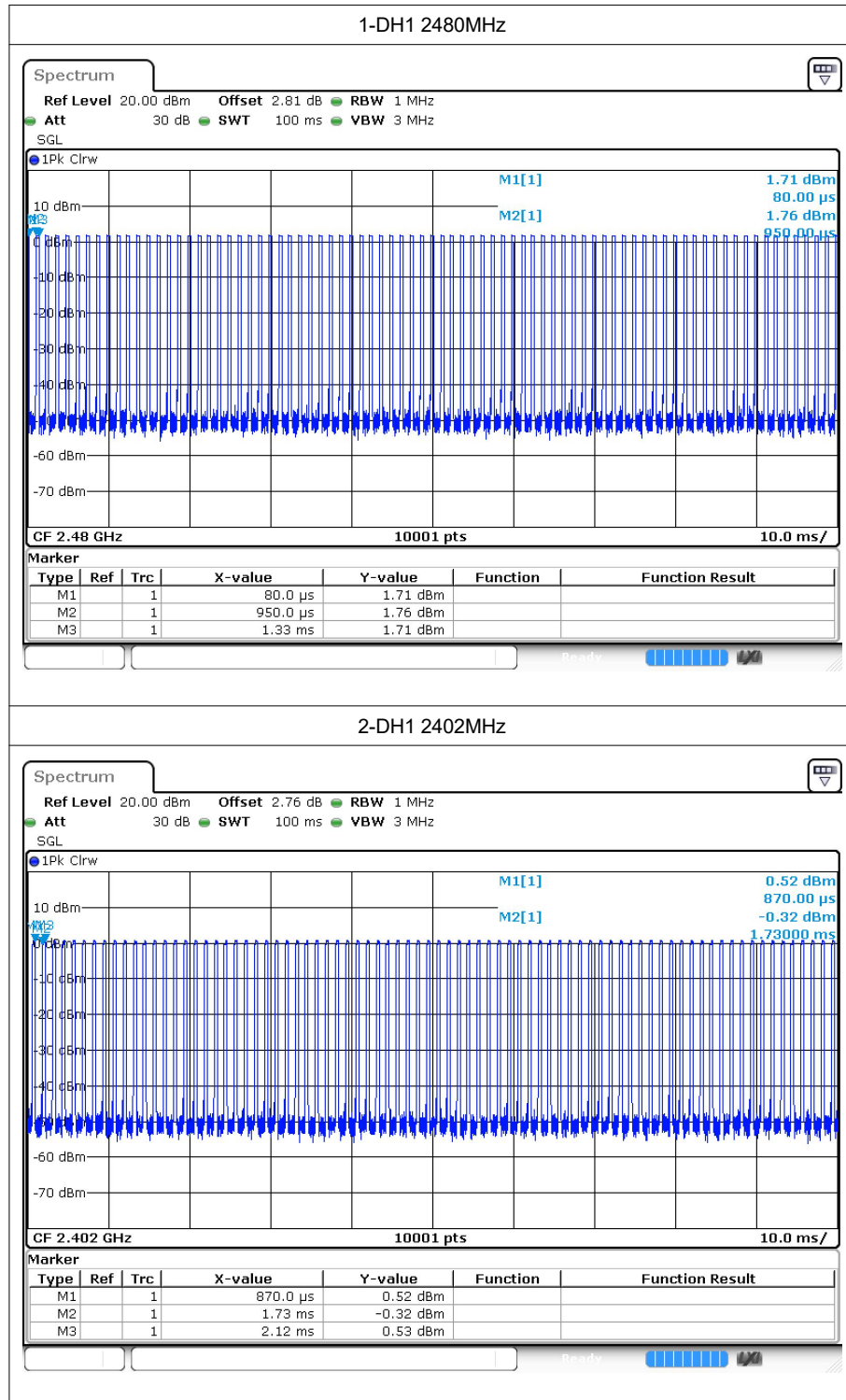
1 Duty Cycle

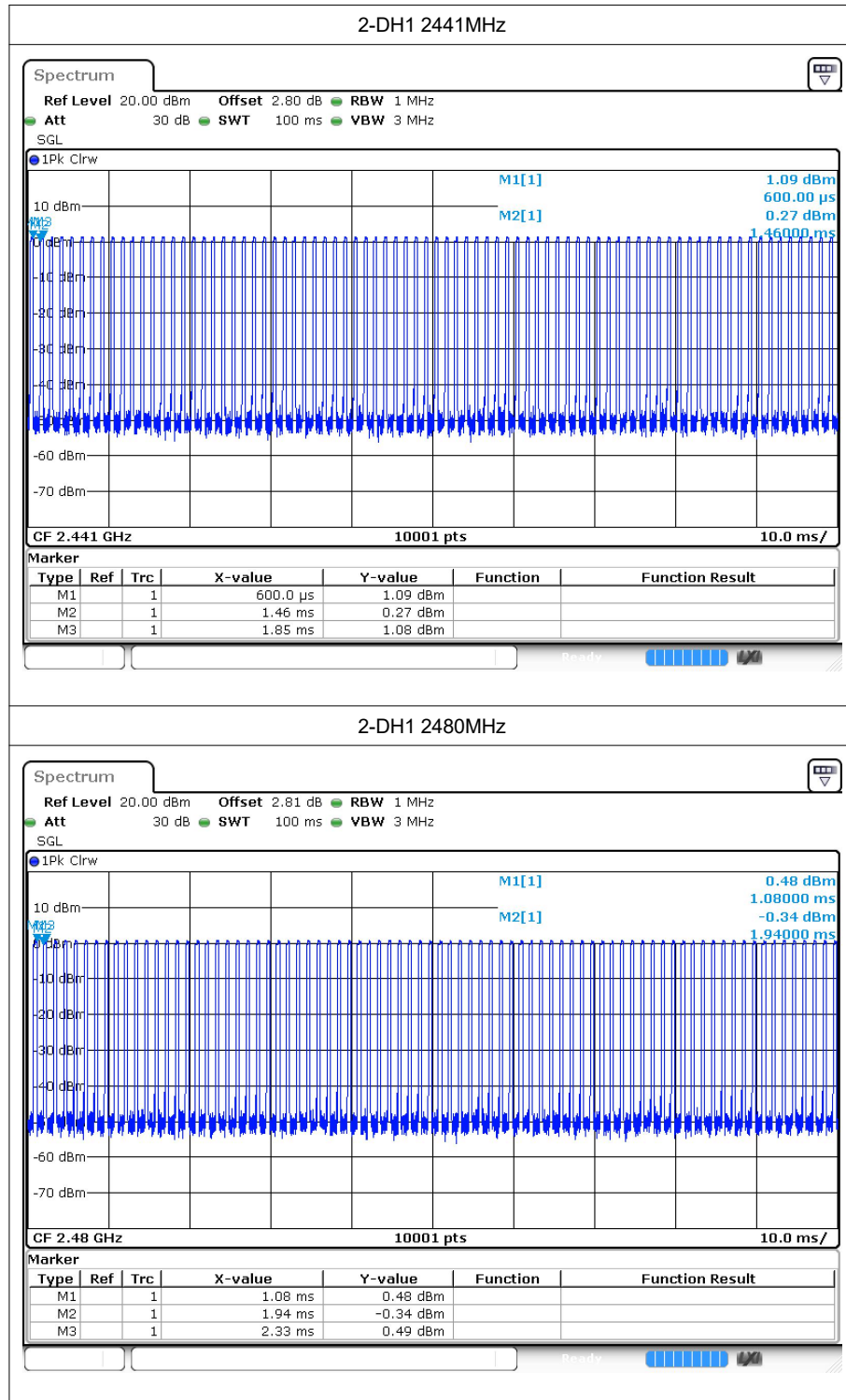
1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
1-DH1	2402	31.2	5.06	2.63
1-DH1	2441	31.28	5.05	2.63
1-DH1	2480	31.21	5.06	2.63
2-DH1	2402	32	4.95	2.56
2-DH1	2441	32	4.95	2.56
2-DH1	2480	32	4.95	2.56

1.2 Test Graphs





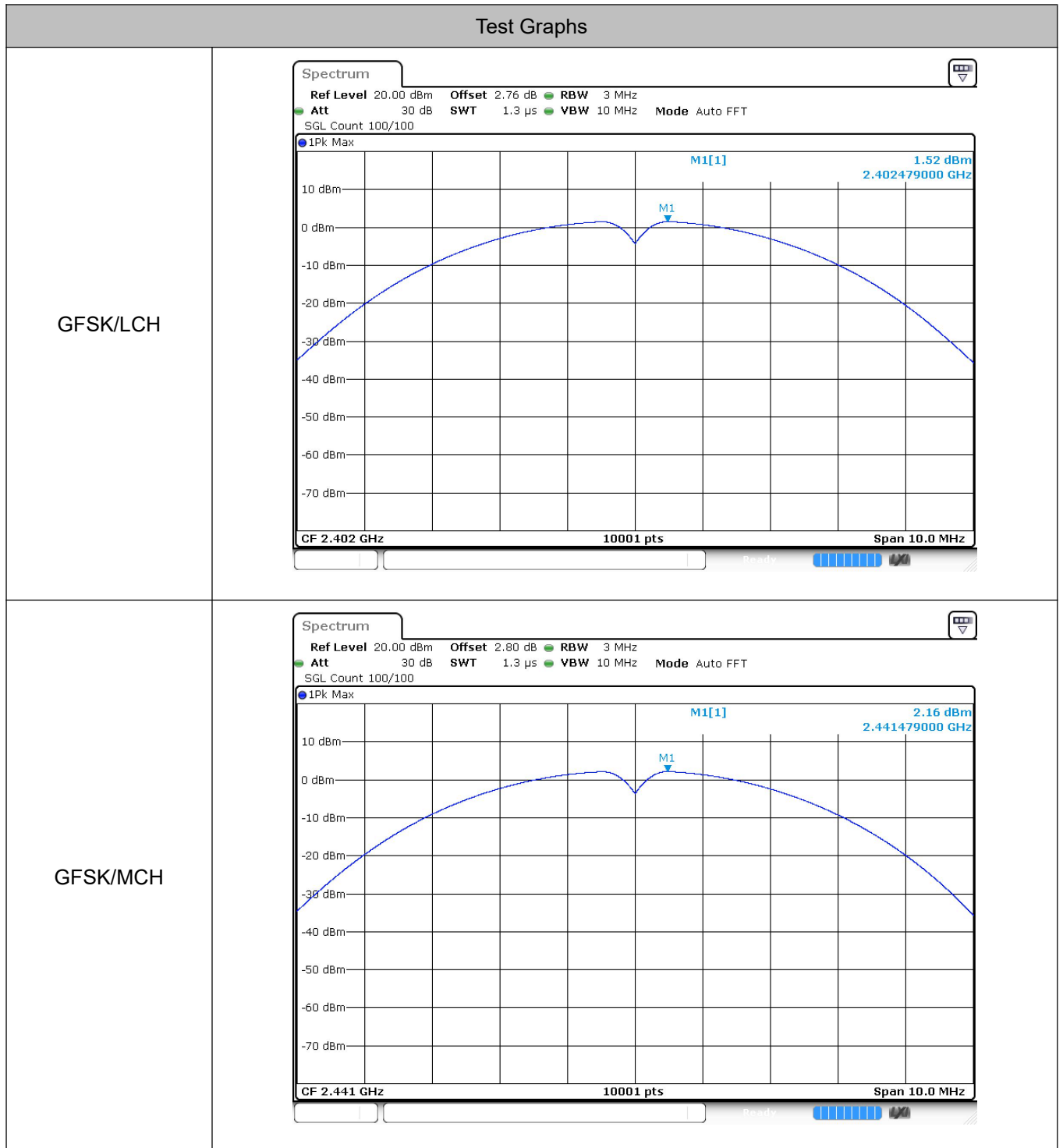


2 Maximum Conducted Peak Output Power

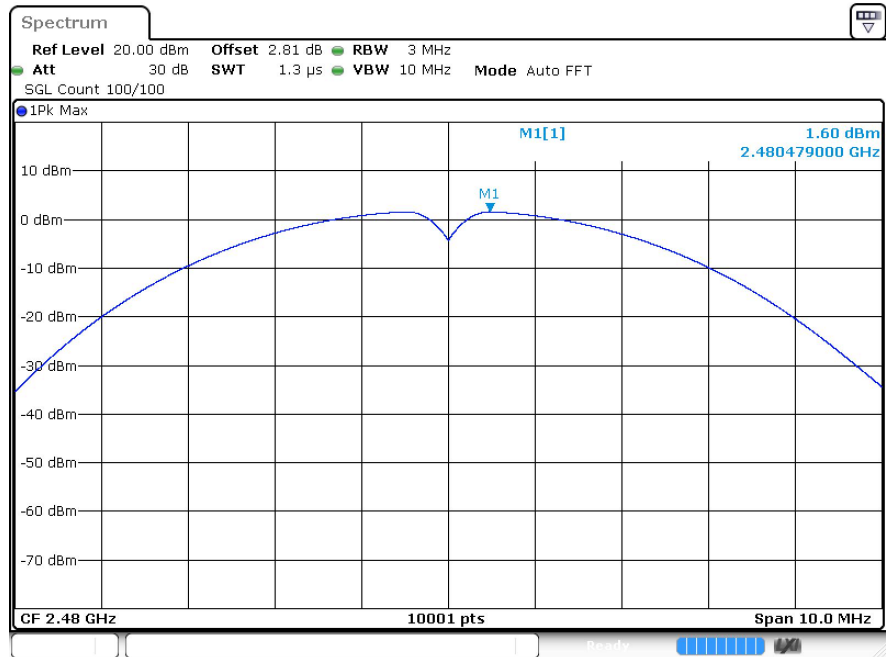
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	1.52	21	Pass
	MCH	2.16	21	Pass
	HCH	1.6	21	Pass
$\pi/4$ DQPSK	LCH	1.58	21	Pass
	MCH	2.28	21	Pass
	HCH	1.73	21	Pass

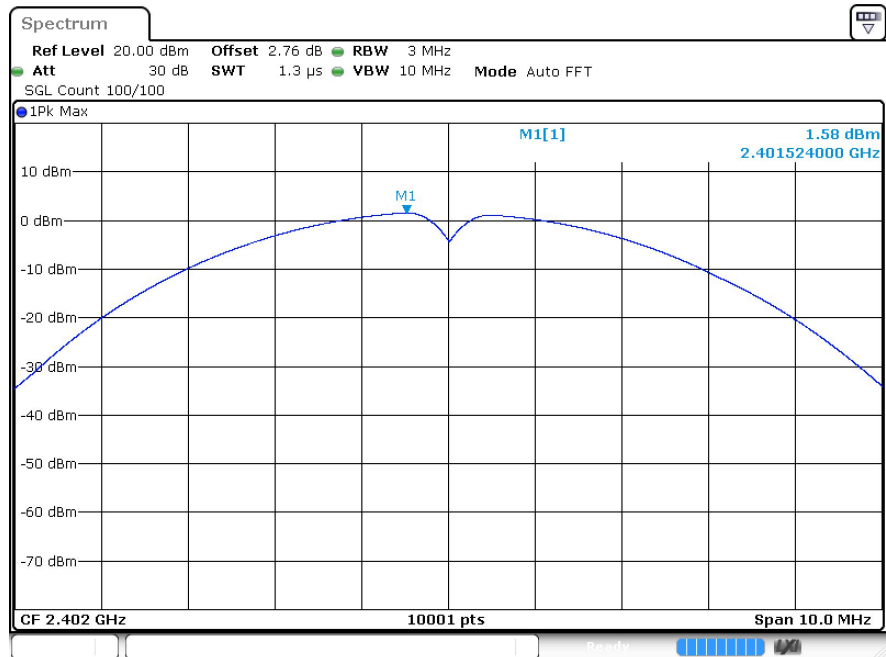
2.2 Test Graphs



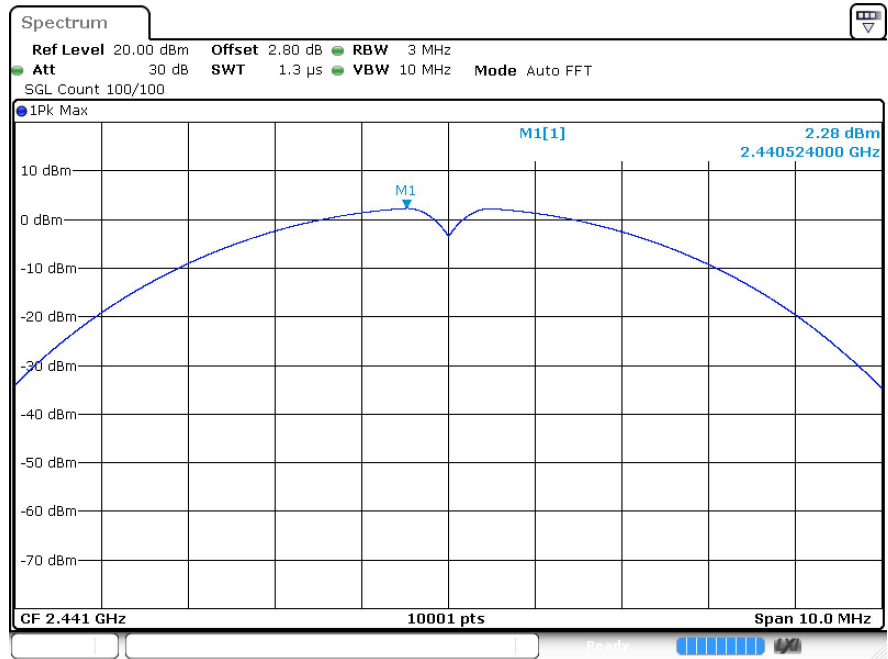
GFSK/HCH



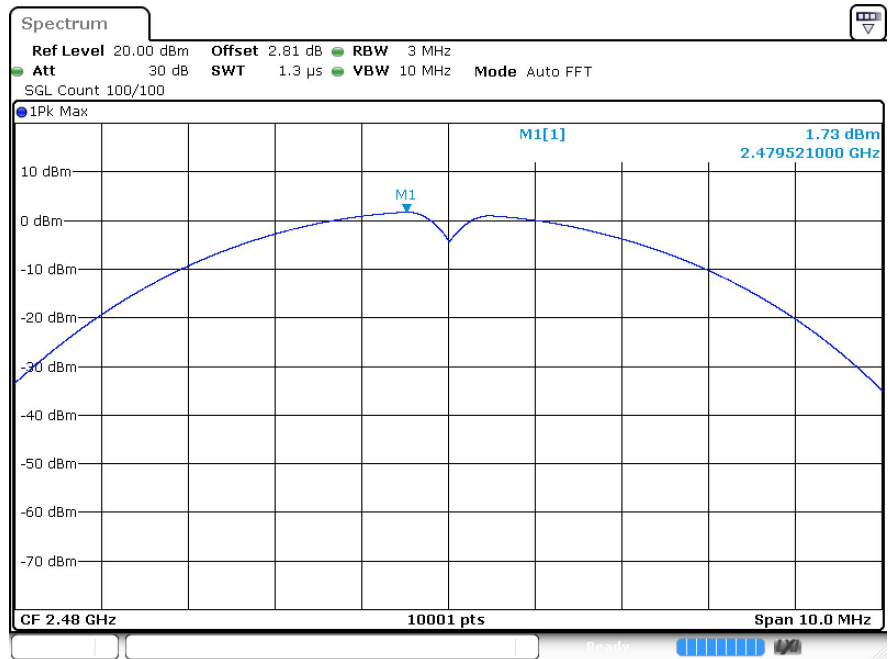
$\pi/4$ DQPSK/LCH



$\pi/4$ DQPSK/MCH



$\pi/4$ DQPSK/HCH

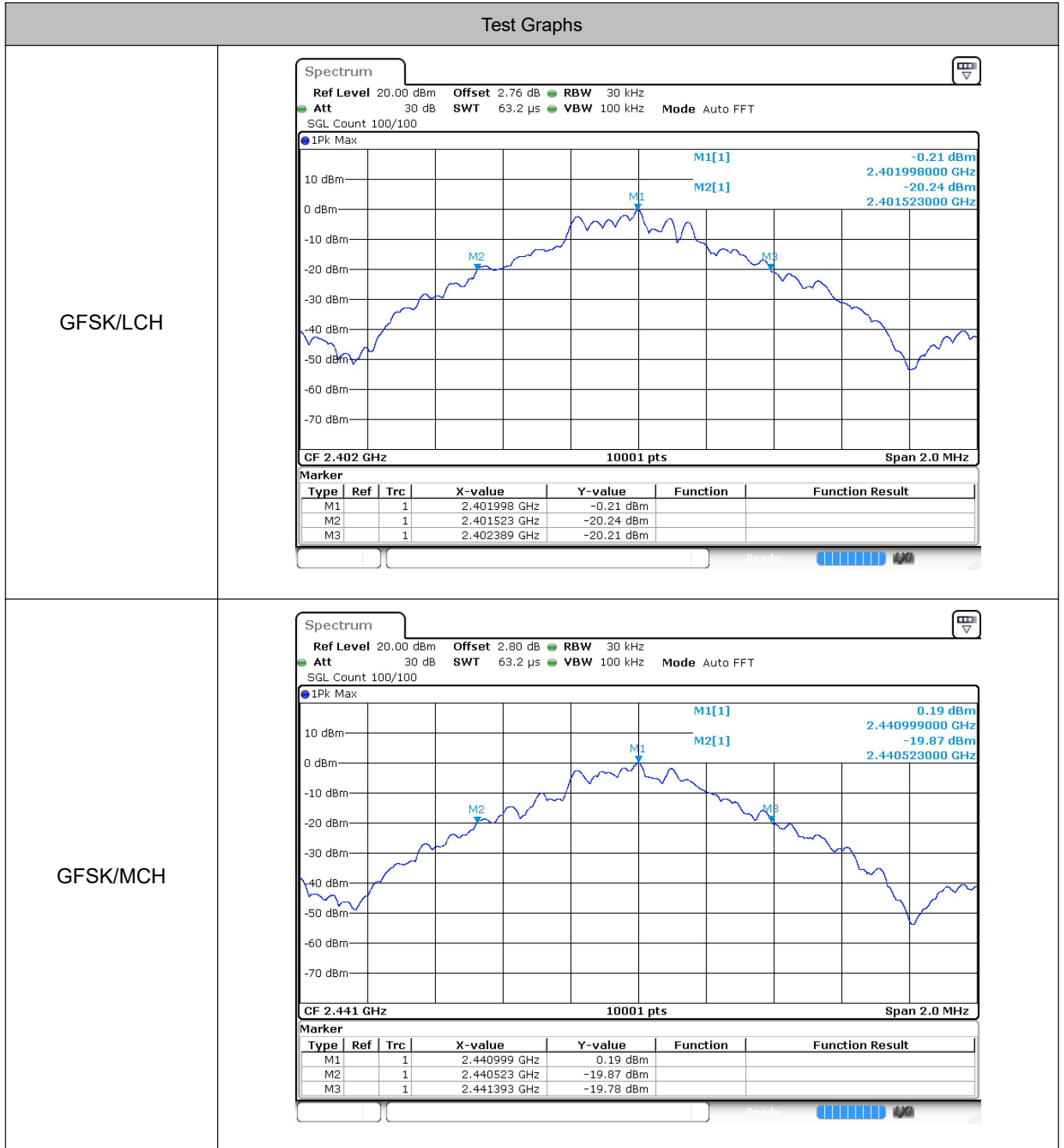


3 20dB Bandwidth

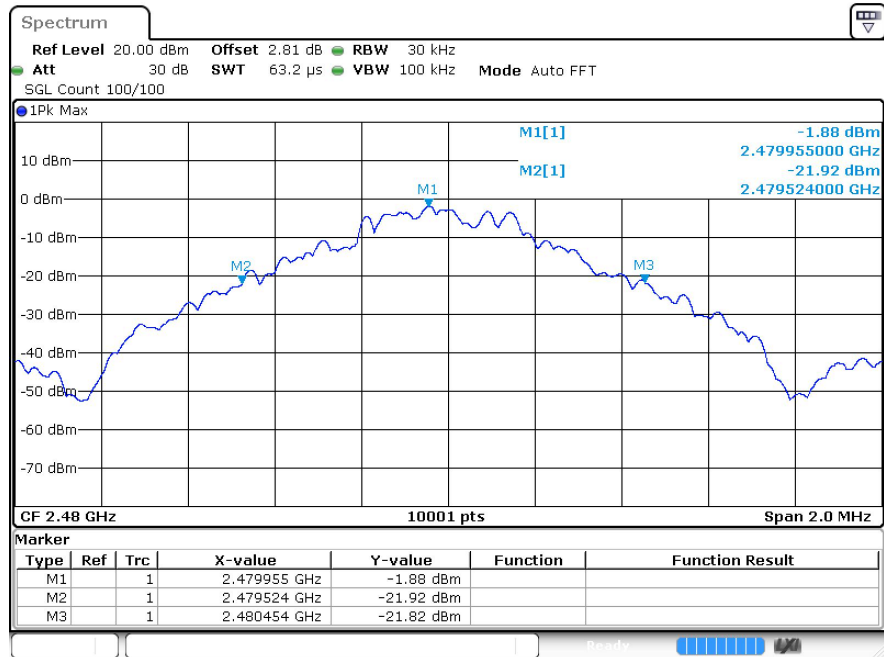
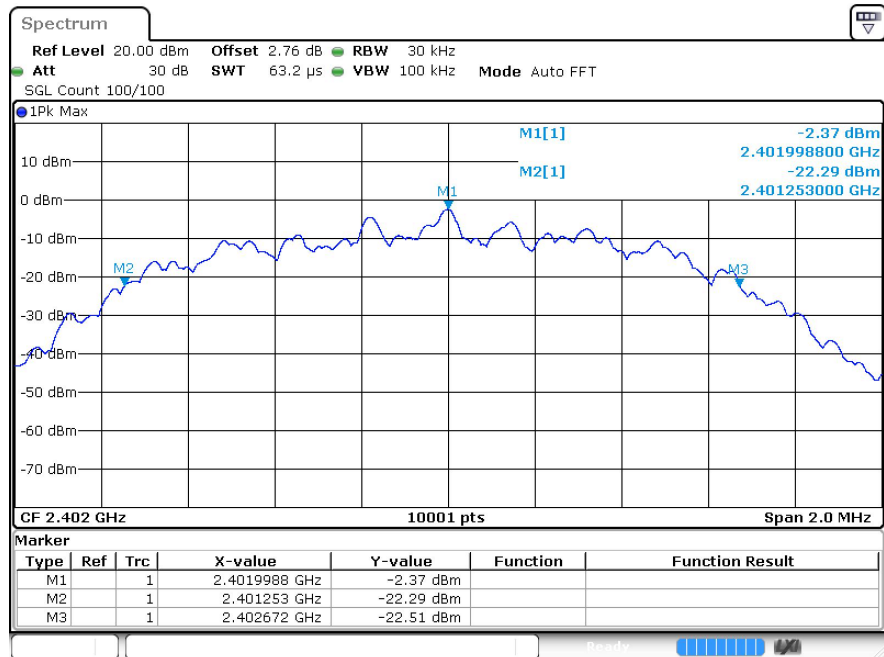
3.1 Test Result

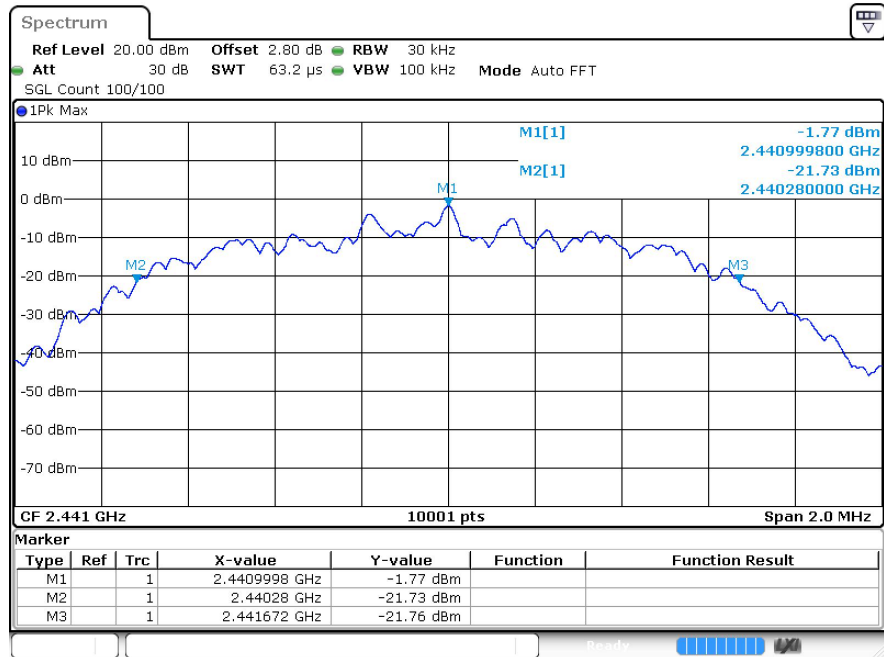
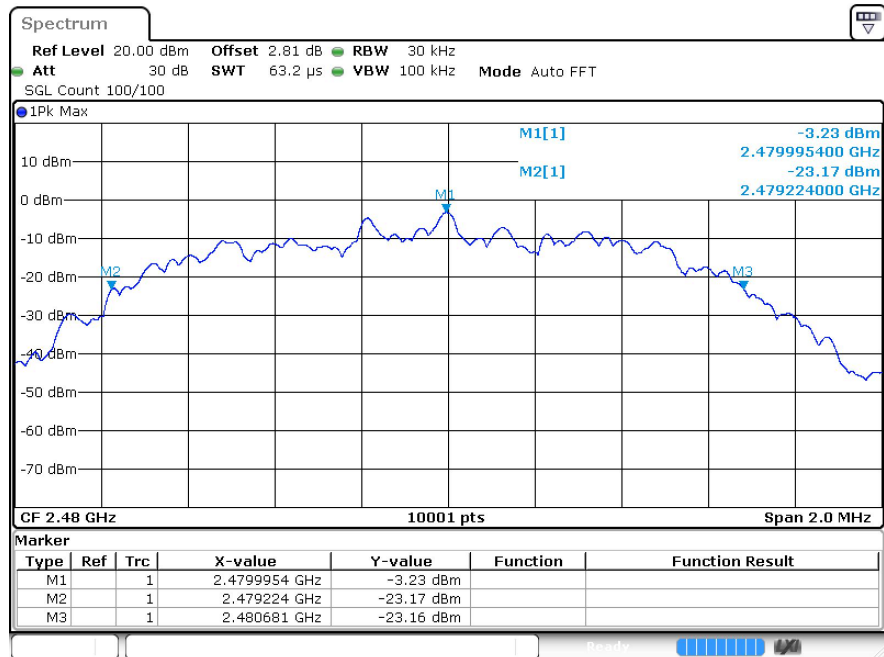
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.866	Not Specified	Pass
	MCH	0.87	Not Specified	Pass
	HCH	0.93	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.419	Not Specified	Pass
	MCH	1.392	Not Specified	Pass
	HCH	1.458	Not Specified	Pass

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	1.003	0.58	Pass
$\pi/4$ DQPSK	MCH	0.991	0.928	Pass

4.2 Test Graphs

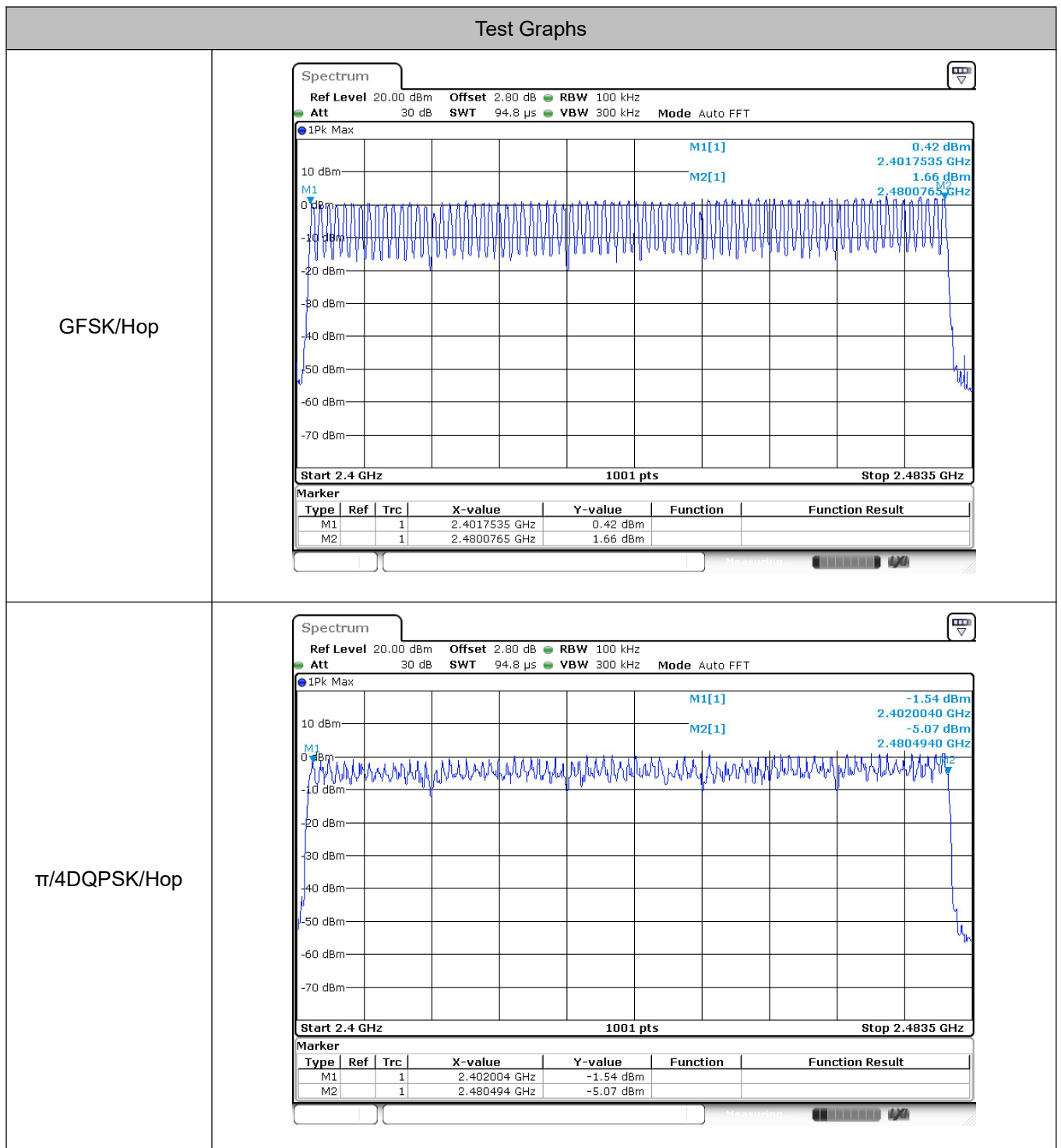


5 Hopping Channel Number

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	2.885	118	340.43	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.889	120	346.68	0.4	Pass