



Appendix A

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

Product Name: Powered Monitor Speakers

Trade Mark: DCB61

Test Model: ELAC

Environmental Conditions

Temperature:	25.5℃
Relative Humidity:	52.9%
ATM Pressure:	101Kpa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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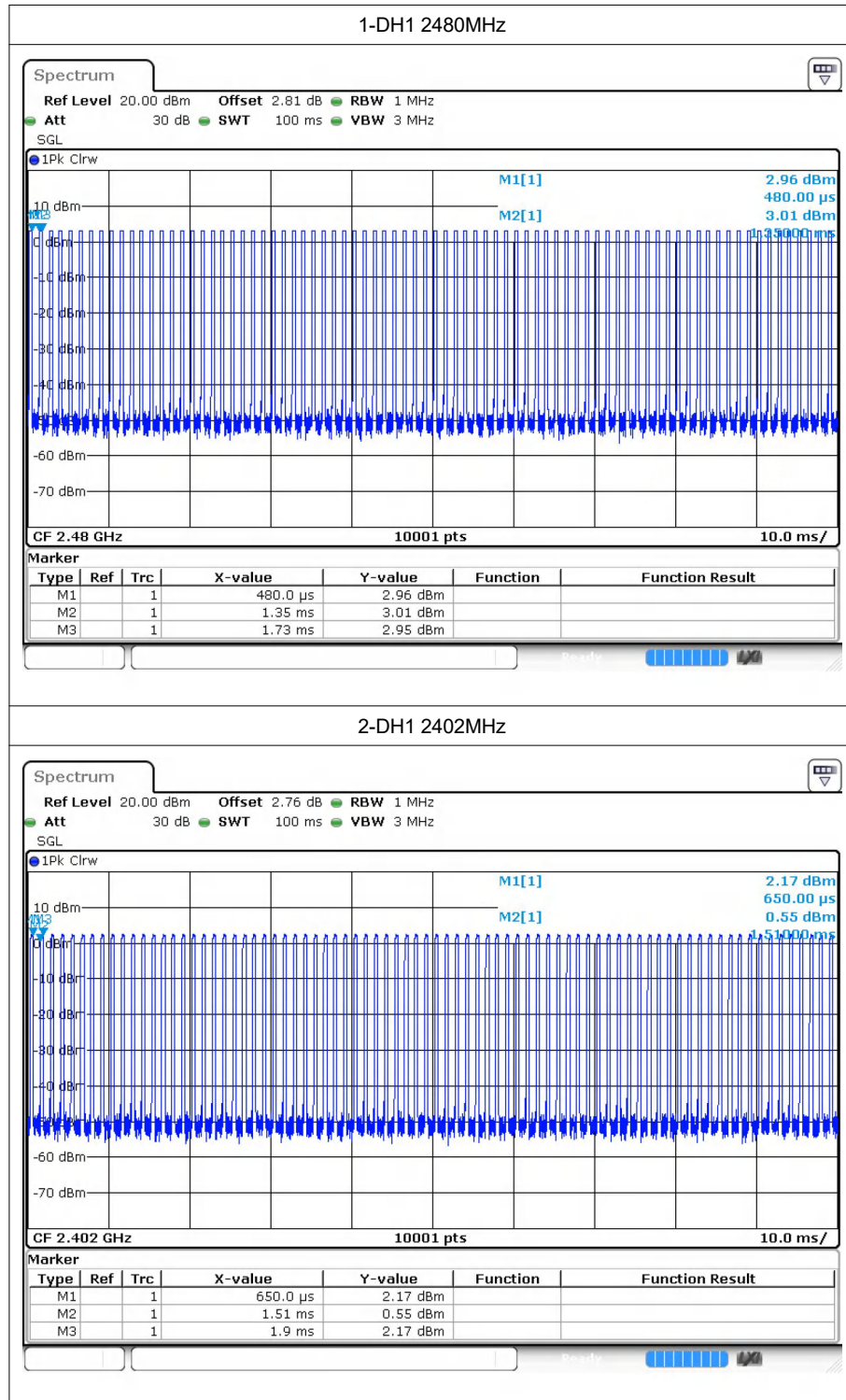
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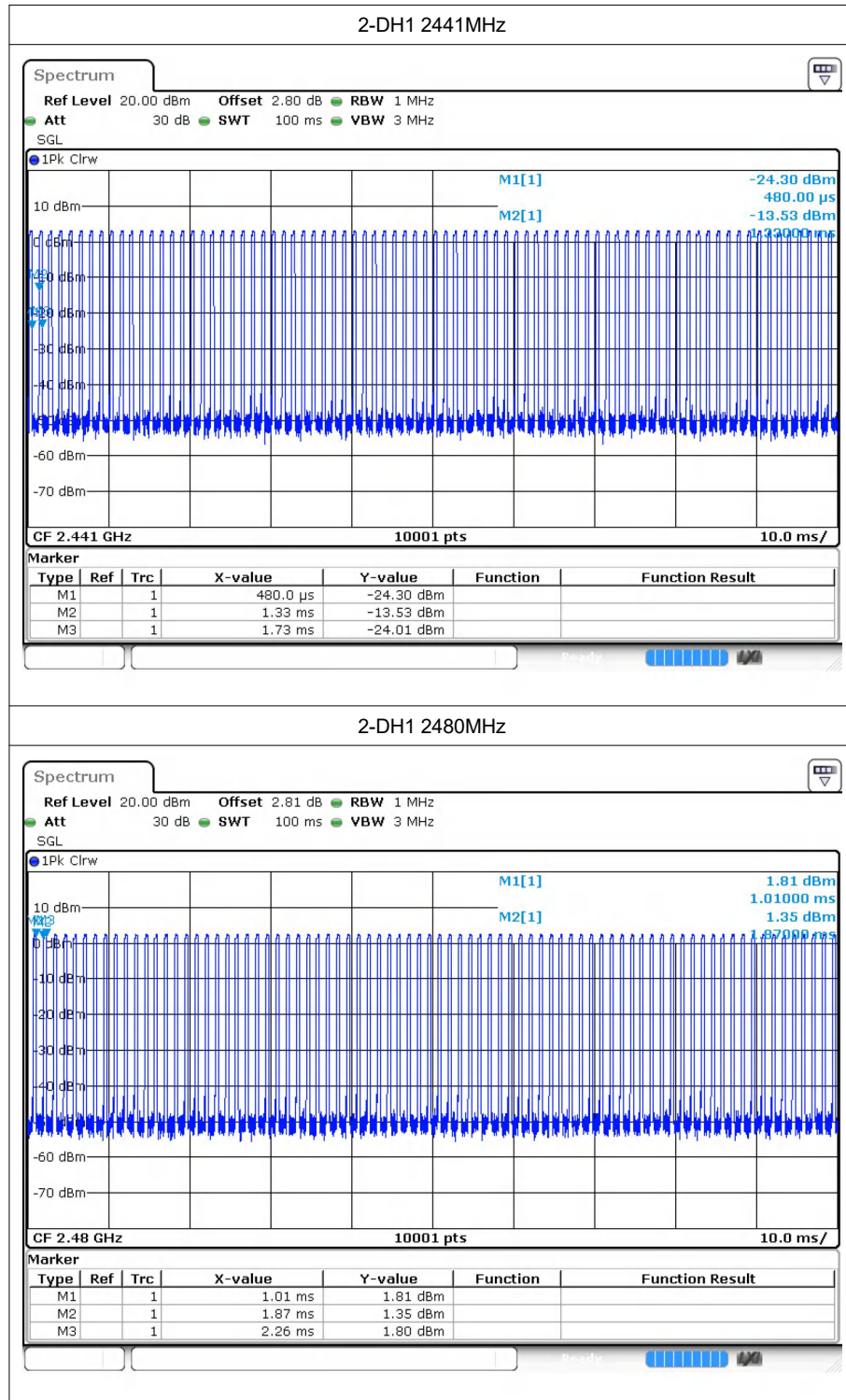
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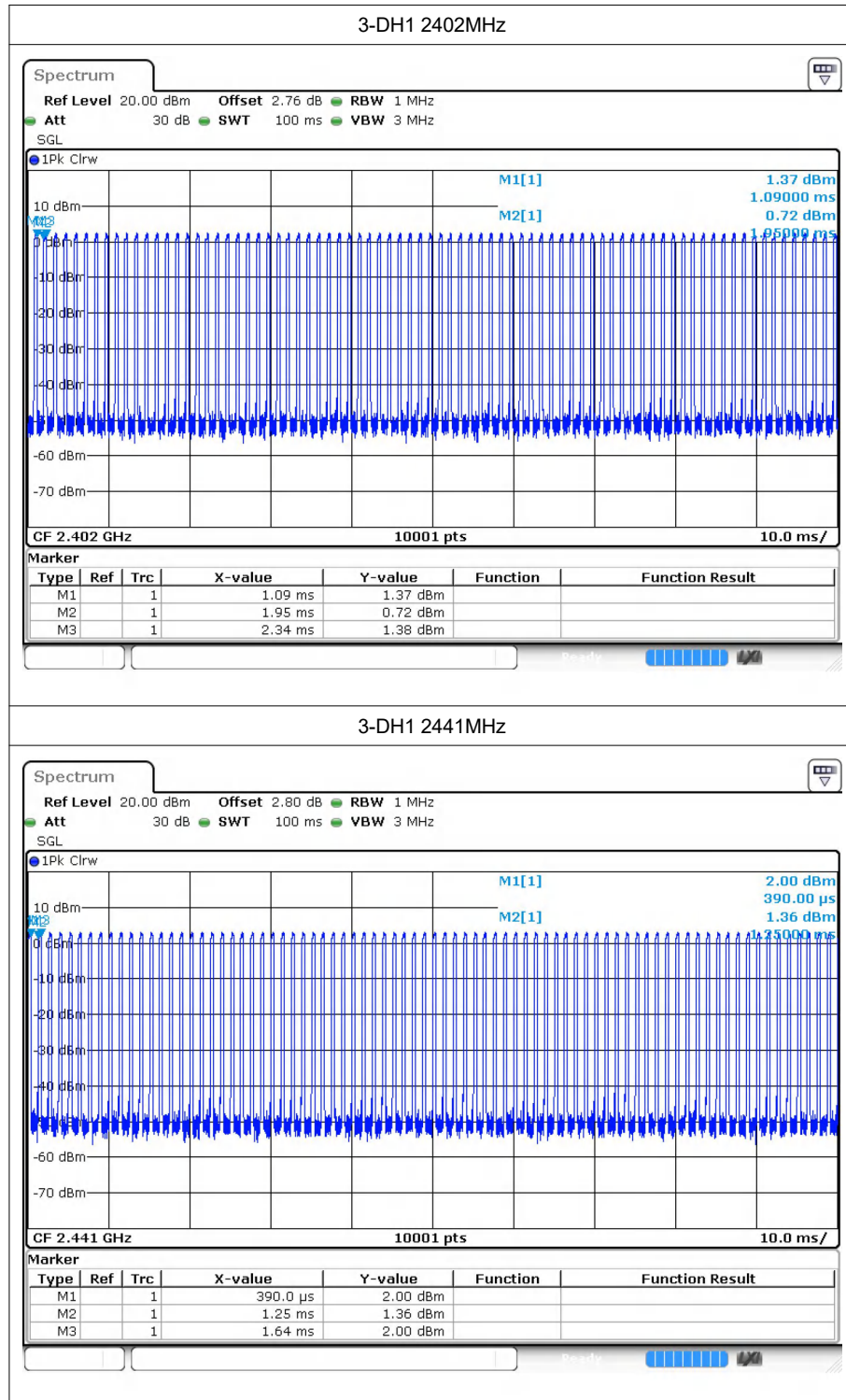
1 Duty Cycle

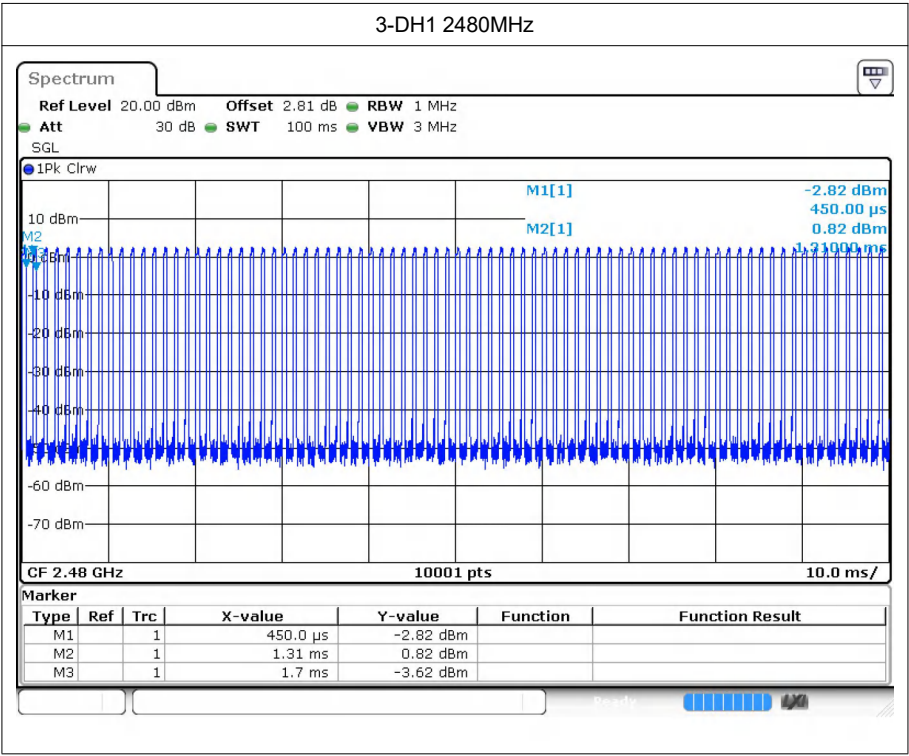
1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
1-DH1	2402	31.21	5.06	2.63
1-DH1	2441	31.2	5.06	2.63
1-DH1	2480	31.2	5.06	2.63
2-DH1	2402	32.37	4.9	2.56
2-DH1	2441	32.18	4.92	2.5
2-DH1	2480	32	4.95	2.56
3-DH1	2402	32	4.95	2.56
3-DH1	2441	32.01	4.95	2.56
3-DH1	2480	32	4.95	2.56







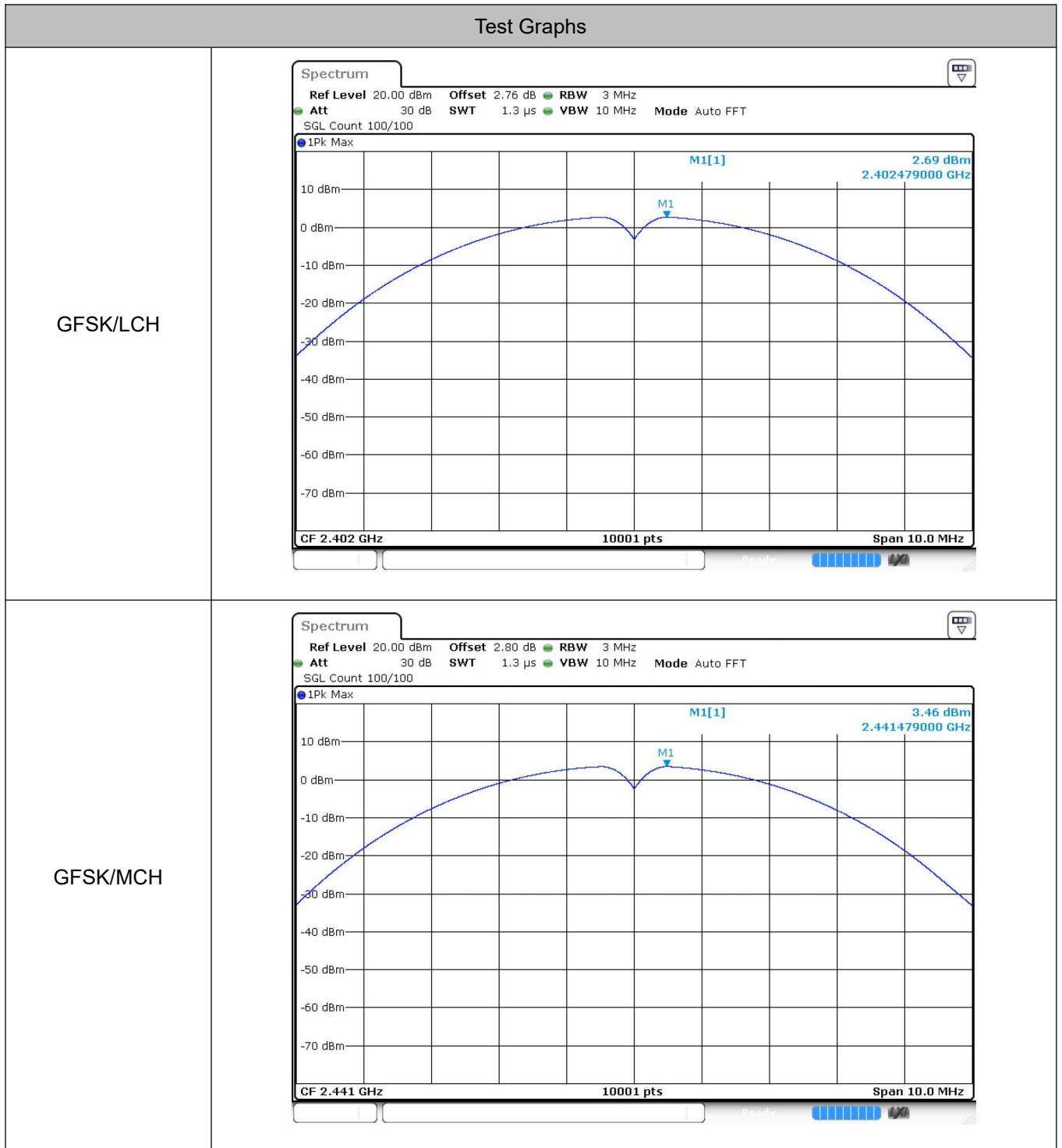


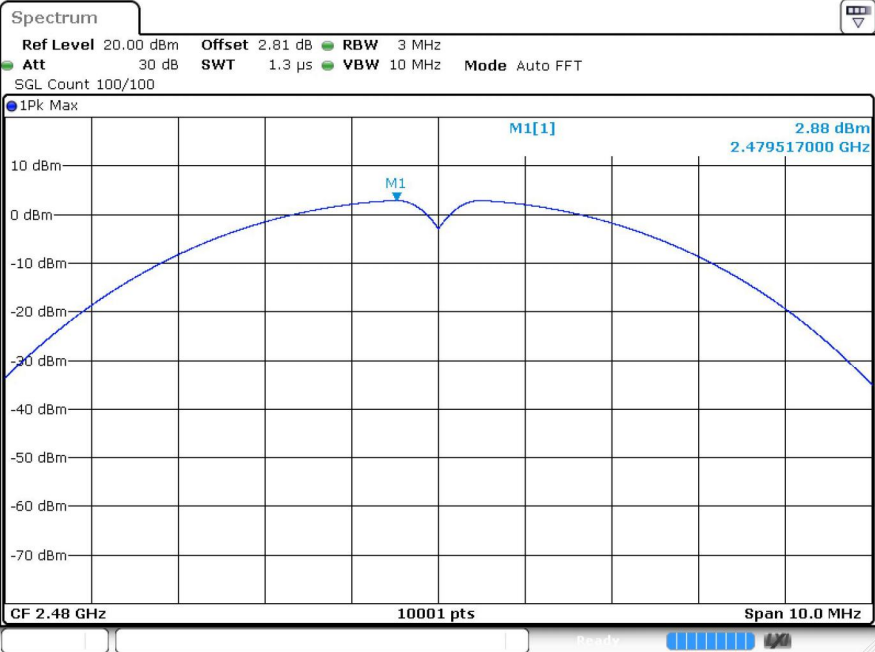
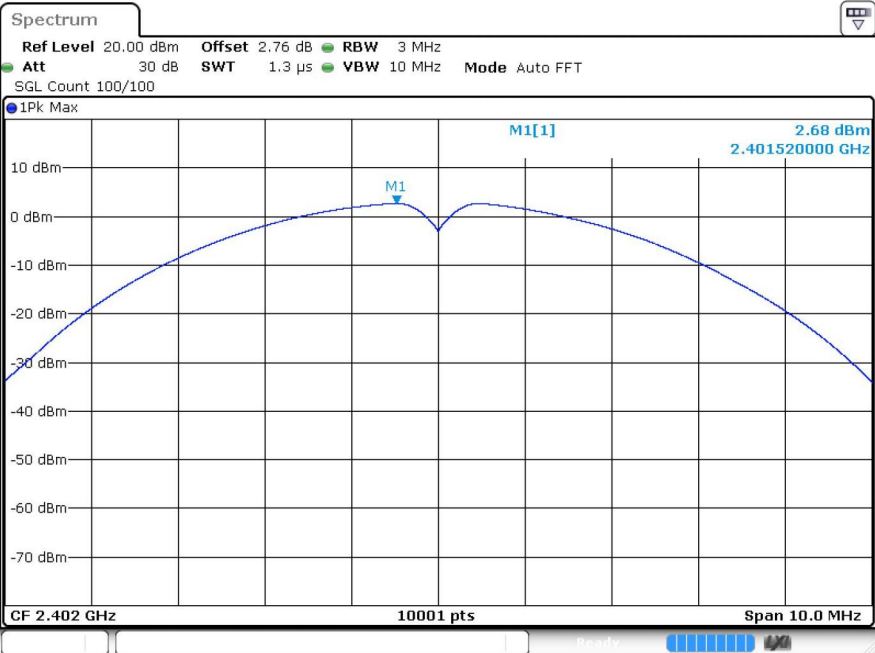
2 Maximum Conducted Peak Output Power

2.1 Test Result

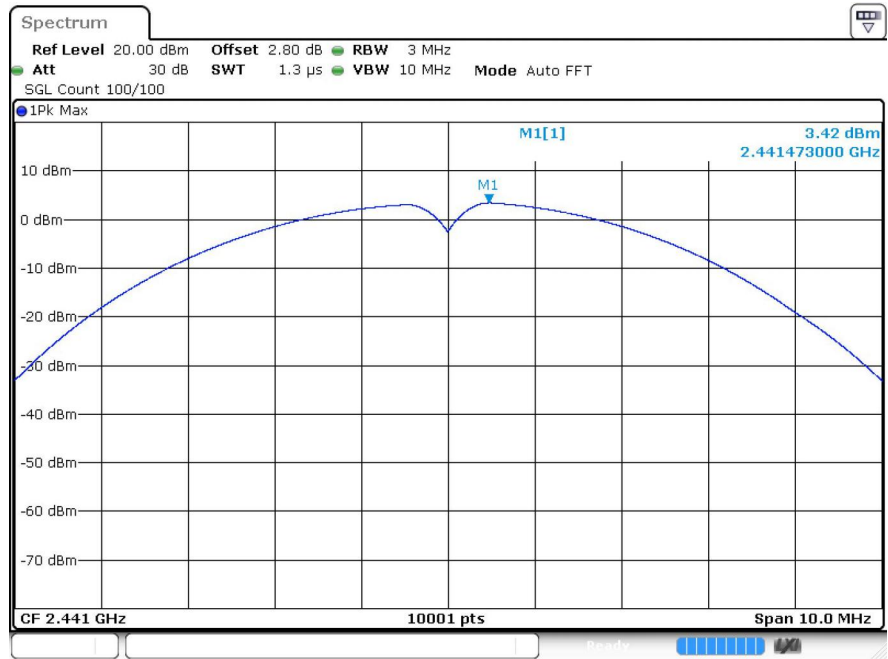
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2.69	21	Pass
	MCH	3.46	21	Pass
	HCH	2.88	21	Pass
$\pi/4$ DQPSK	LCH	2.68	21	Pass
	MCH	3.42	21	Pass
	HCH	3.42	21	Pass
8DPSK	LCH	2.55	21	Pass
	MCH	3.11	21	Pass
	HCH	3.04	21	Pass

2.2 Test Graphs

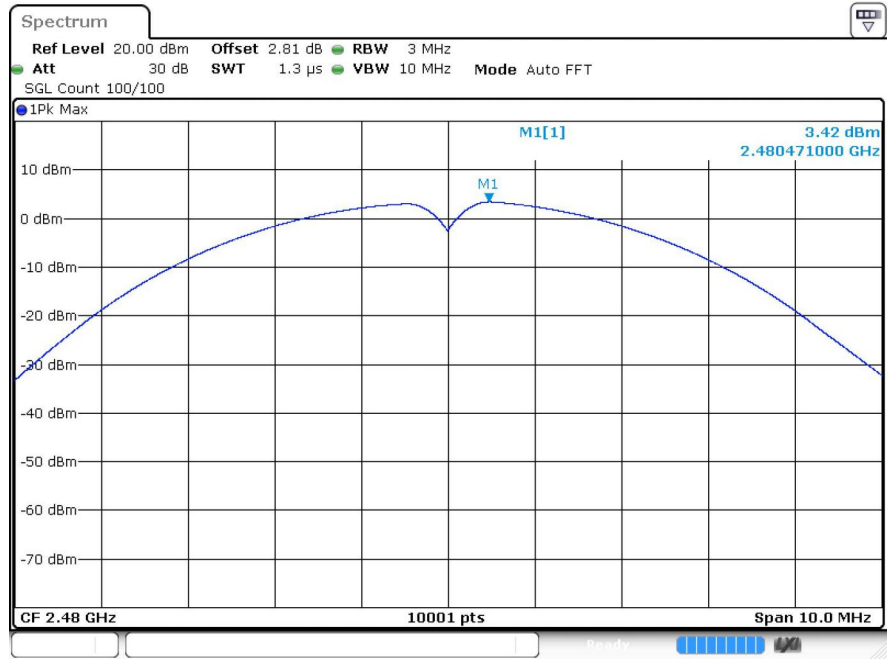


GFSK/HCH	
$\pi/4$DQPSK/LCH	

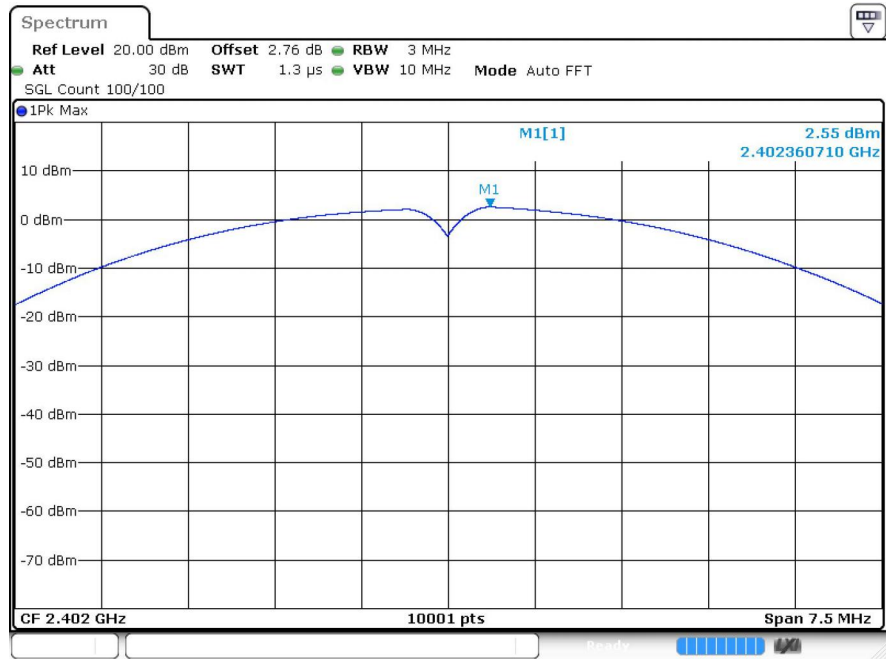
$\pi/4$ DQPSK/MCH



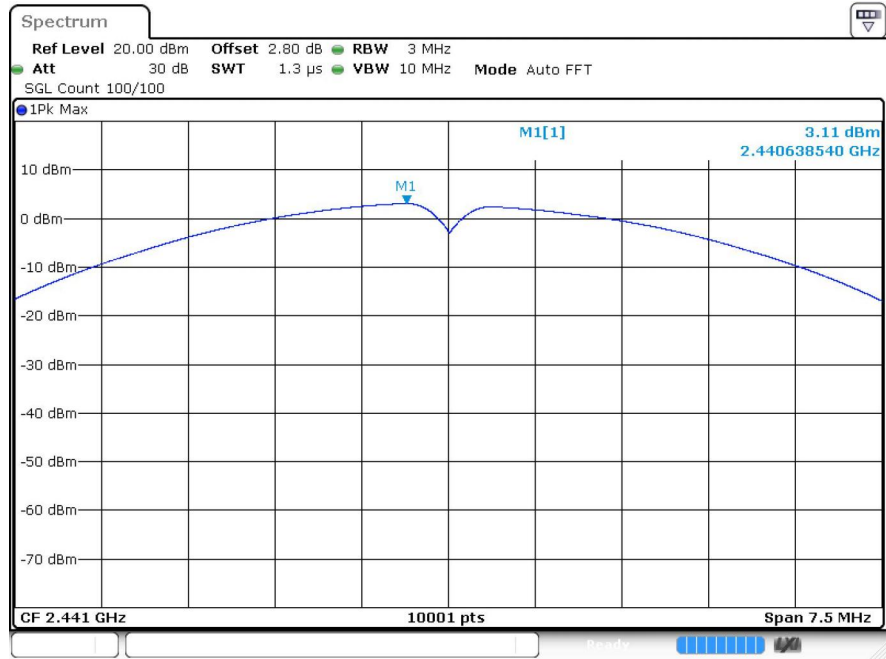
$\pi/4$ DQPSK/HCH



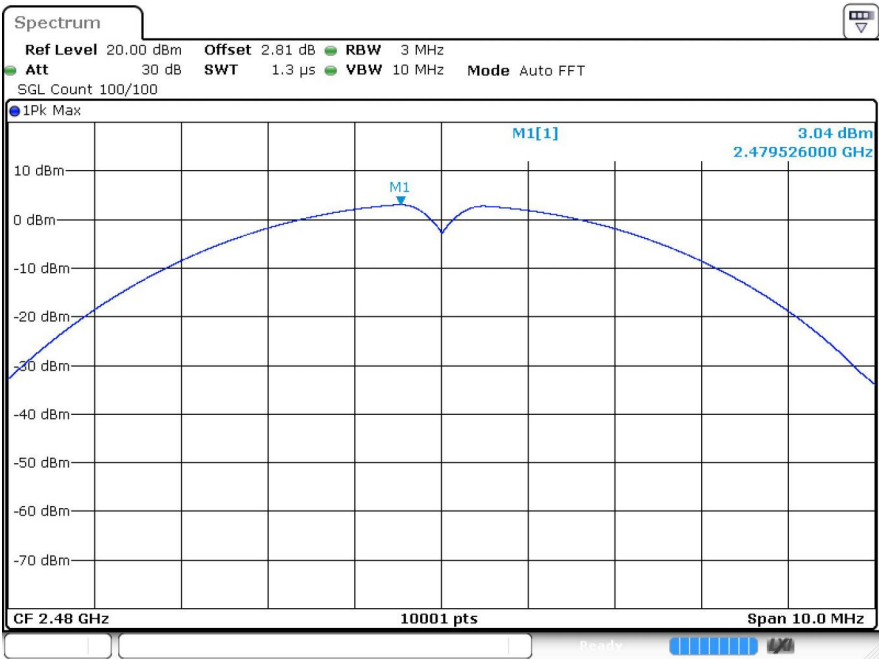
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

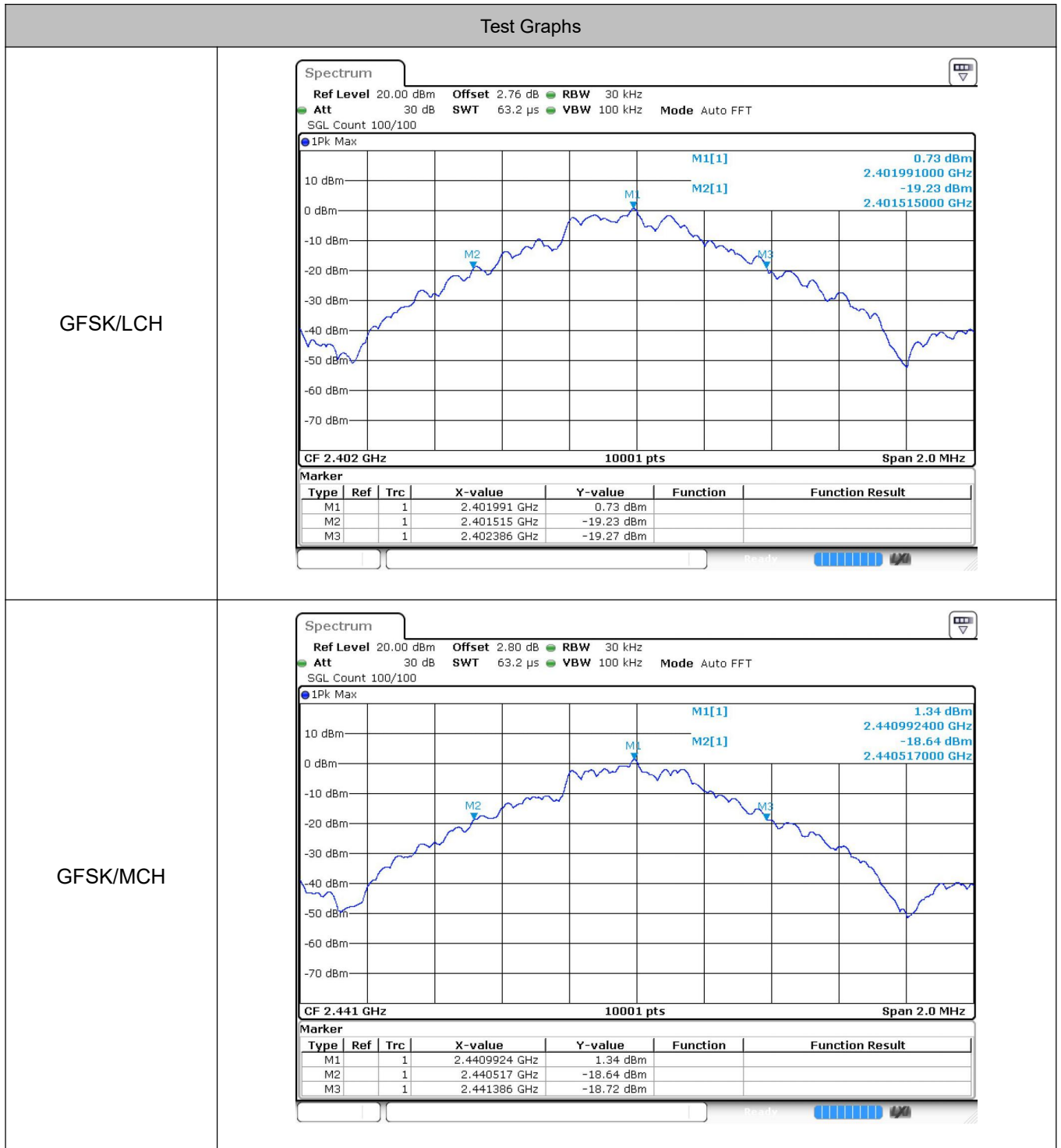


3 20dB Bandwidth

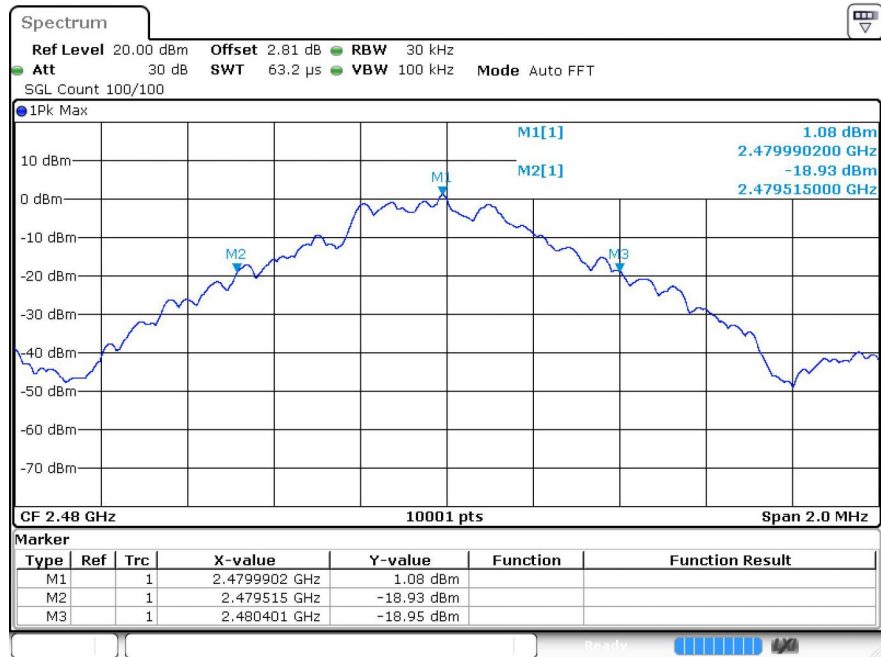
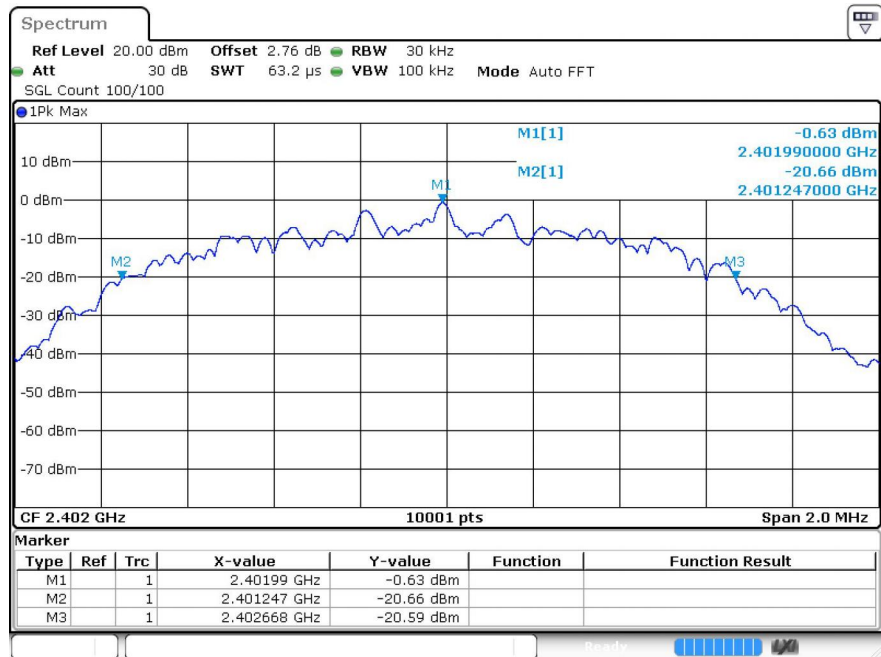
3.1 Test Result

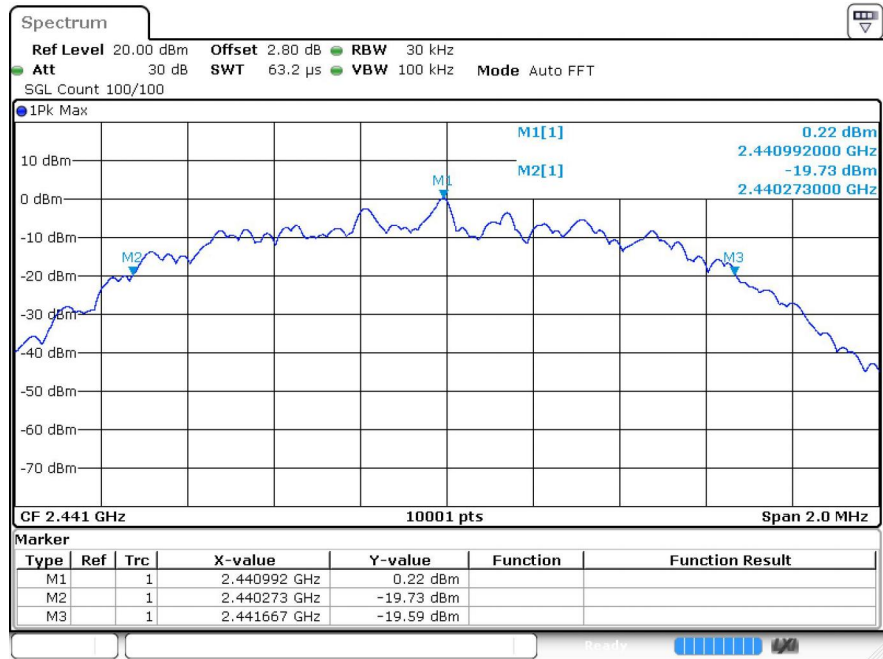
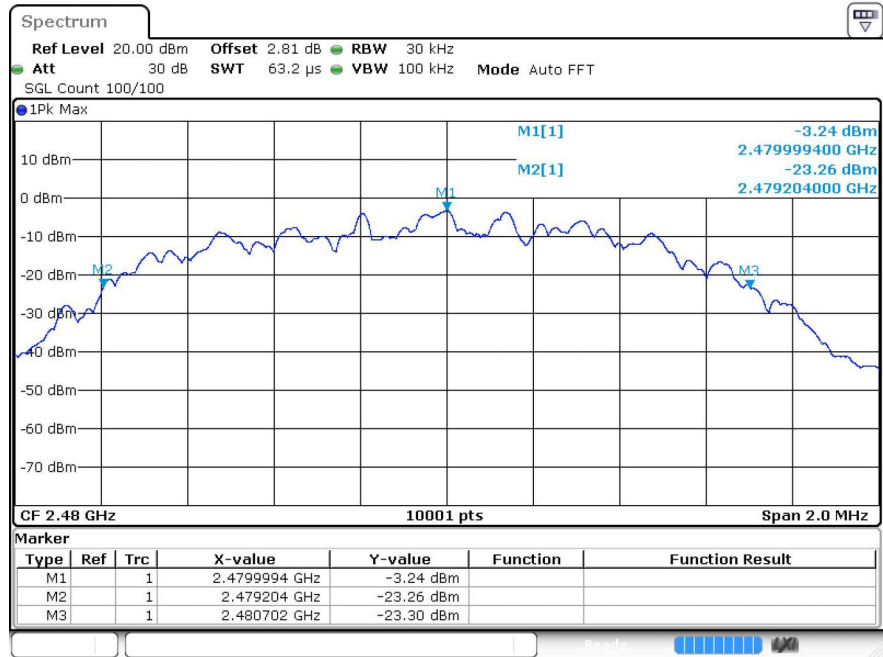
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.871	Not Specified	Pass
	MCH	0.869	Not Specified	Pass
	HCH	0.886	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.421	Not Specified	Pass
	MCH	1.395	Not Specified	Pass
	HCH	1.497	Not Specified	Pass
8DPSK	LCH	1.436	Not Specified	Pass
	MCH	1.426	Not Specified	Pass
	HCH	1.435	Not Specified	Pass

3.2 Test Graphs

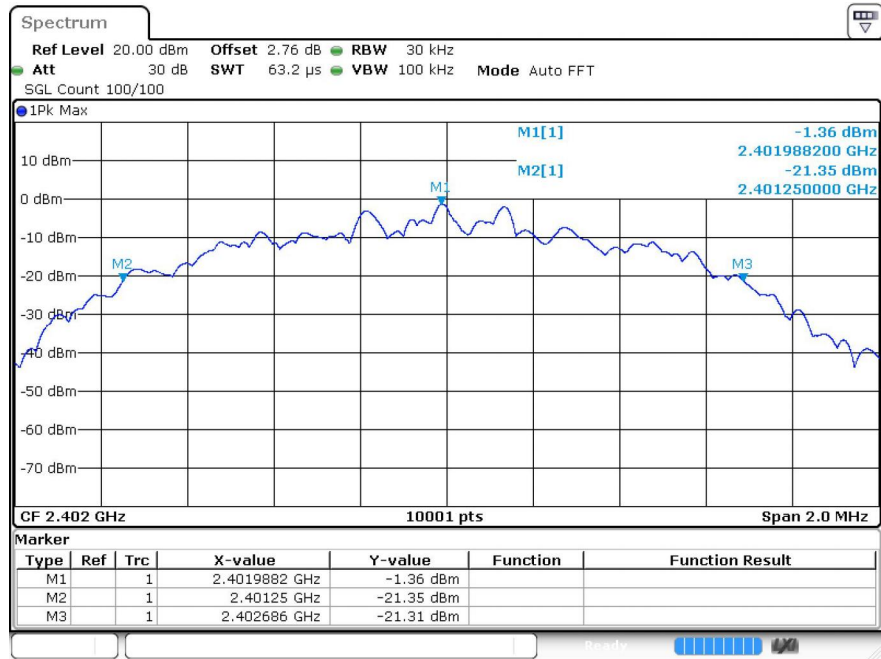


GFSK/HCH

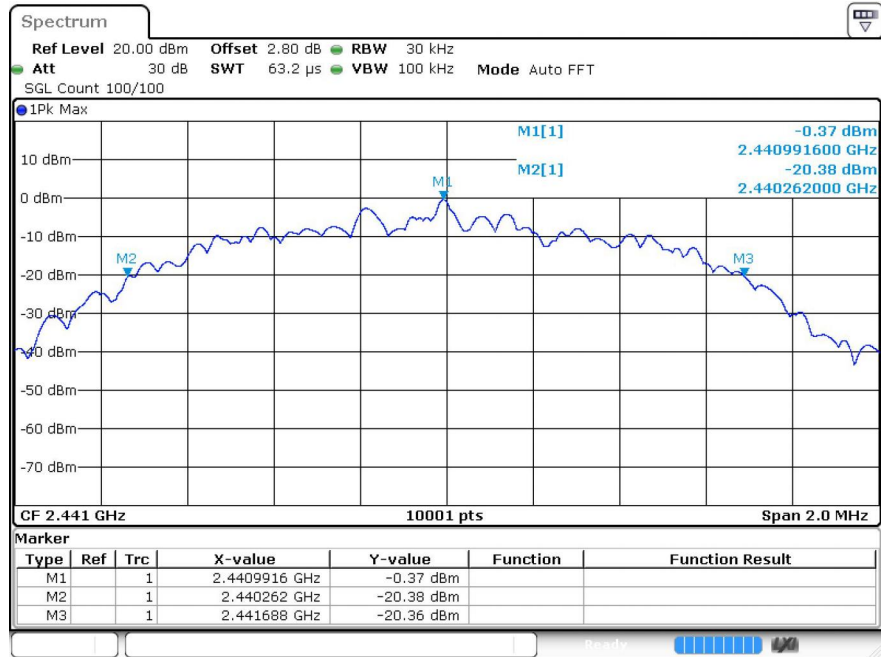

 $\pi/4$ DQPSK/LCH


$\pi/4$ DQPSK/MCH

 $\pi/4$ DQPSK/HCH


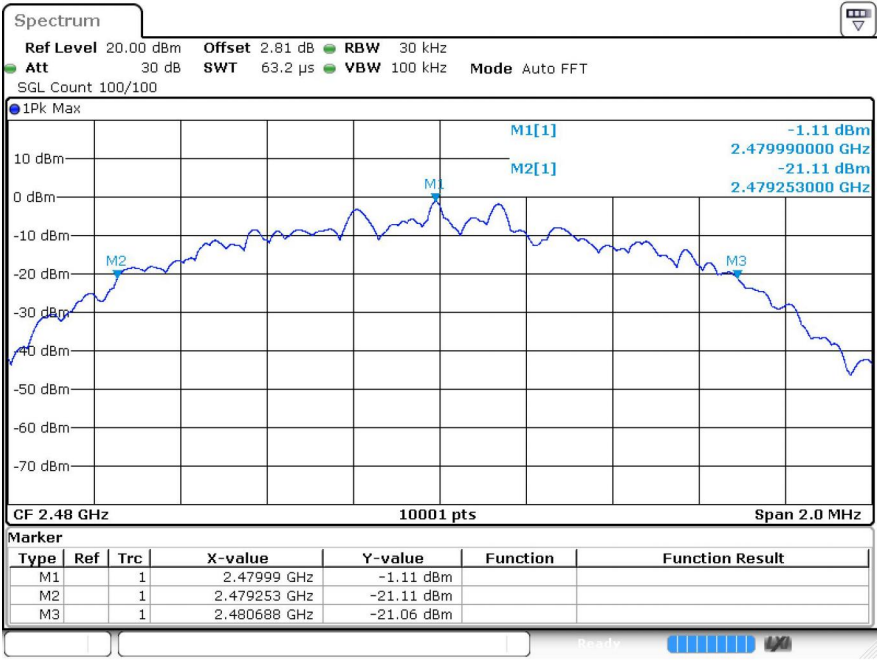
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH



4 Carrier Frequency Separation

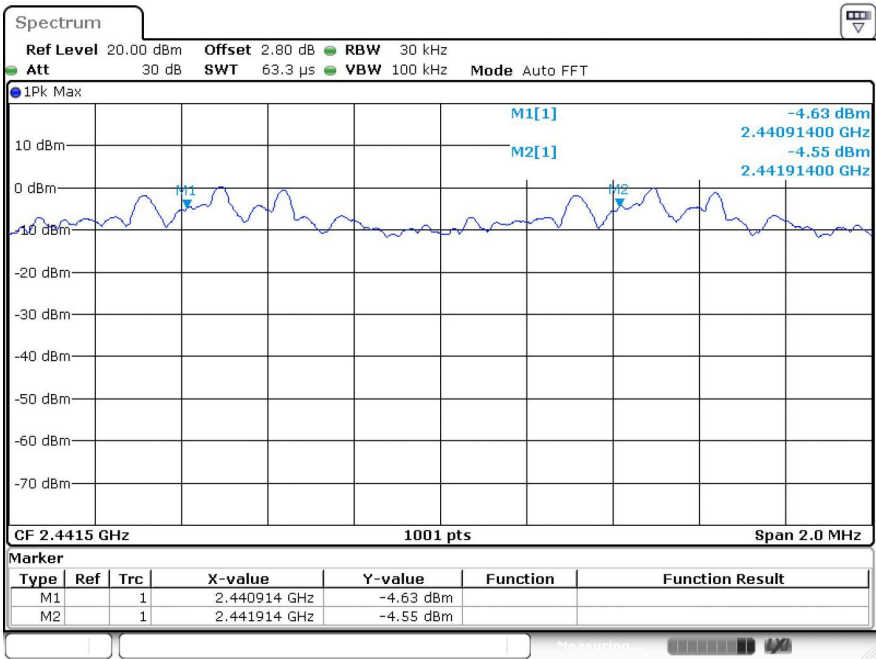
4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.994	0.579	Pass
$\pi/4$ DQPSK	MCH	1.009	0.93	Pass
8DPSK	MCH	1	0.951	Pass

4.2 Test Graphs



8DPSK/MCH

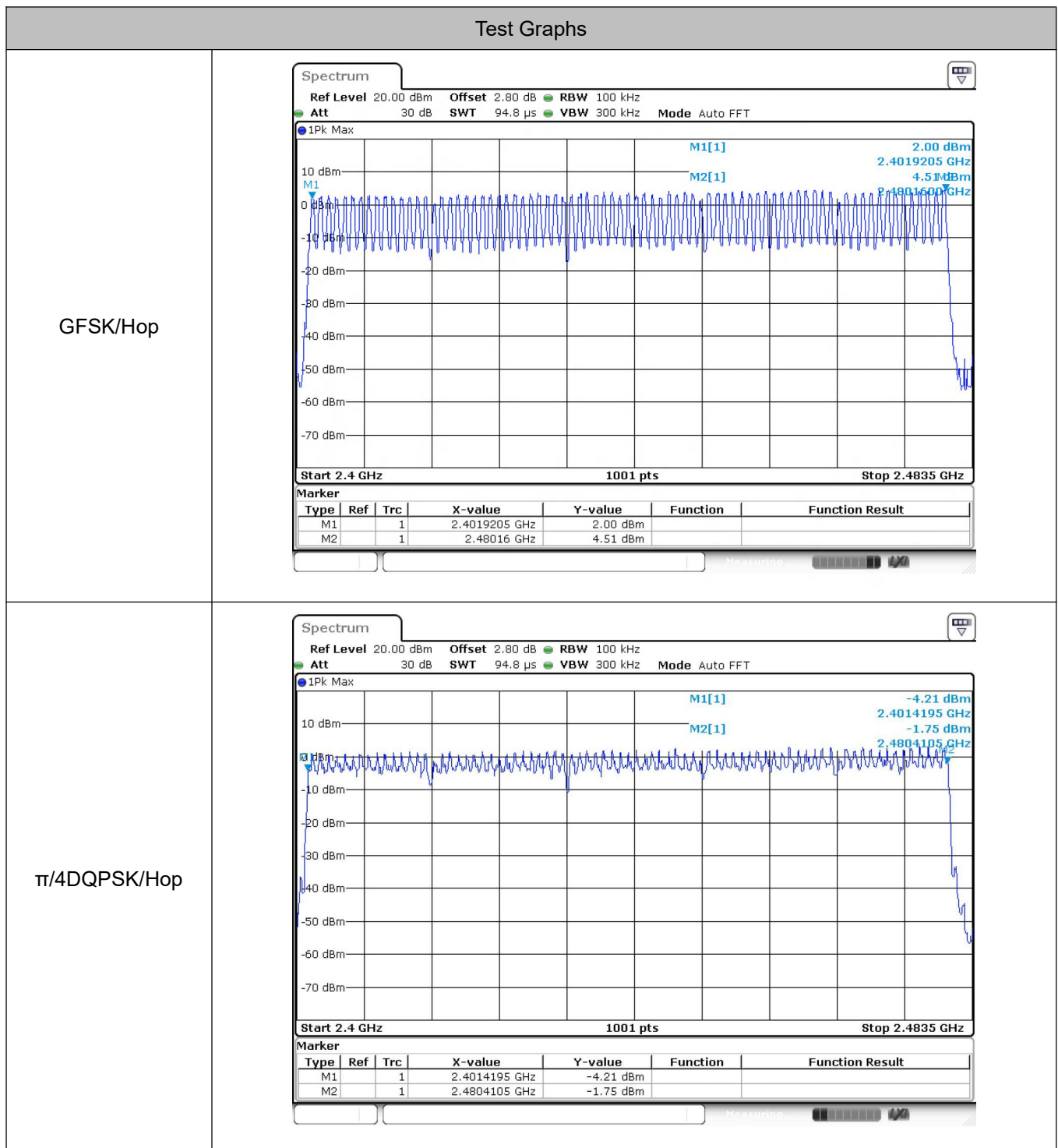


5 Hopping Channel Number

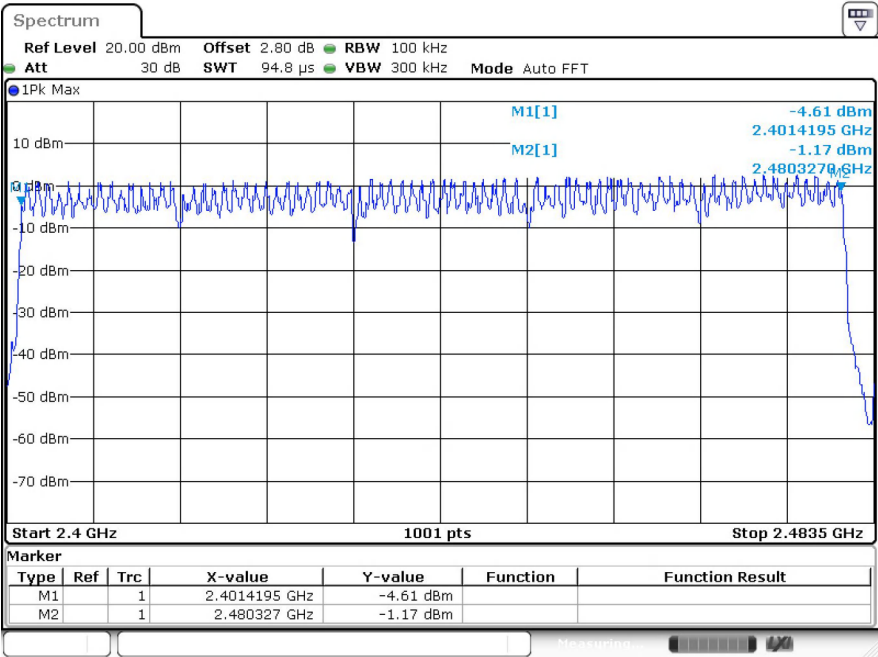
5.1 Test Result

Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	≥ 15	PASS
$\pi/4$ DQPSK	Hop	79	≥ 15	PASS
8DPSK	Hop	79	≥ 15	PASS

5.2 Test Graphs



8DPSK/Hop

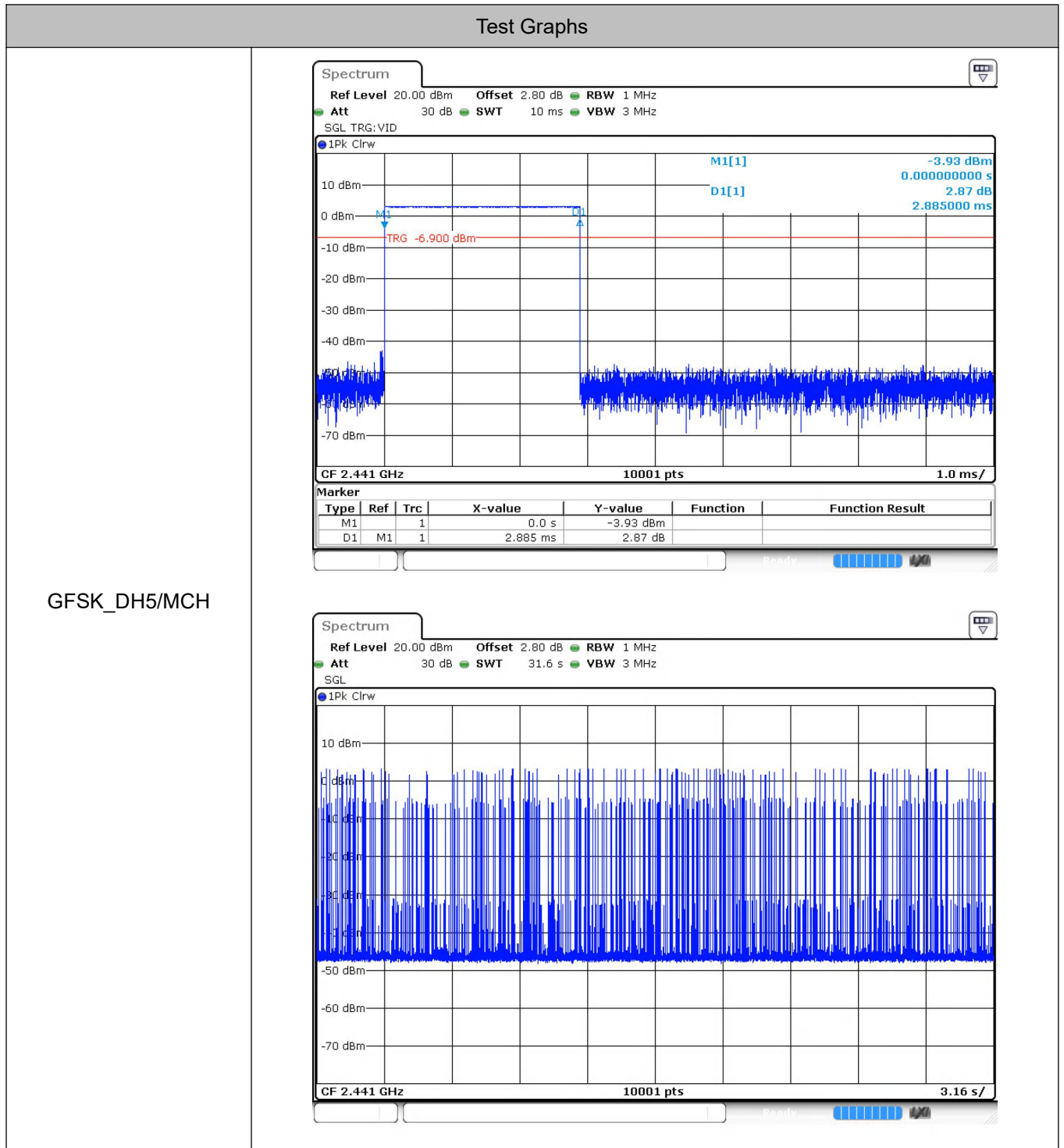


6 Dwell Time

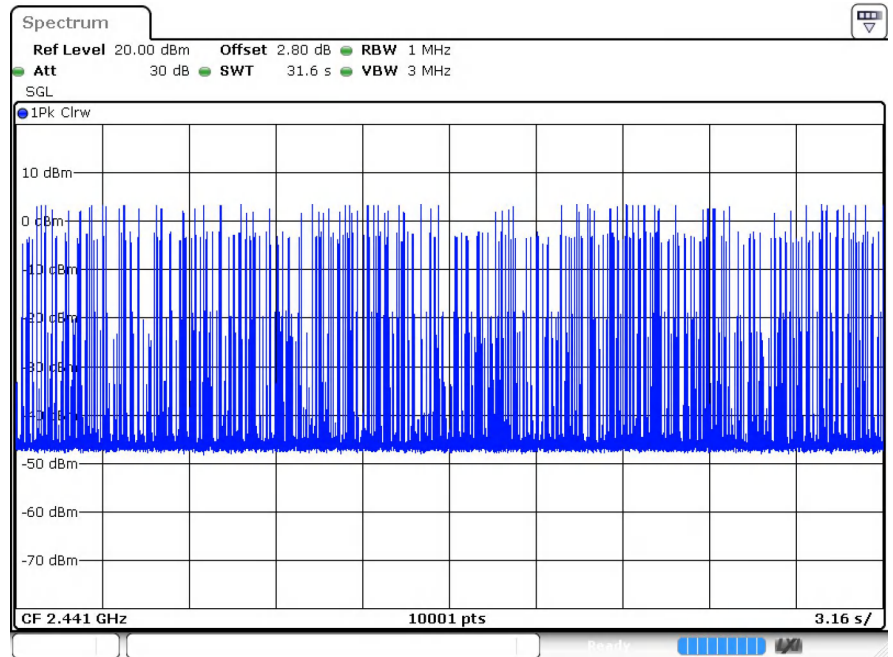
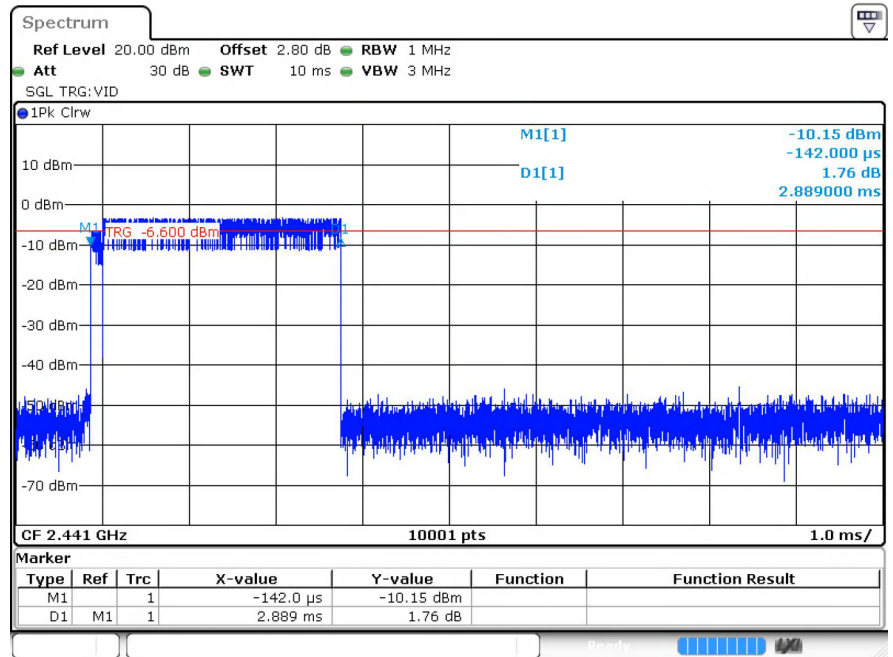
6.1 Test Result

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	96	277.344	0.4	Pass
8DPSK	3DH5	MCH	2.891	120	346.92	0.4	Pass

6.2 Test Graphs



$\pi/4$ DQPSK
_2DH5/MCH



8DPSK_3DH5/MCH

