



Appendix A

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

Product Name: Lytmi CozyFit G1 Open Earbuds

Trade Mark: Lytmi

Test Model: Lytmi CozyFit G1

Environmental Conditions

Temperature:	24.4℃
Relative Humidity:	52.6%
ATM Pressure:	101Kpa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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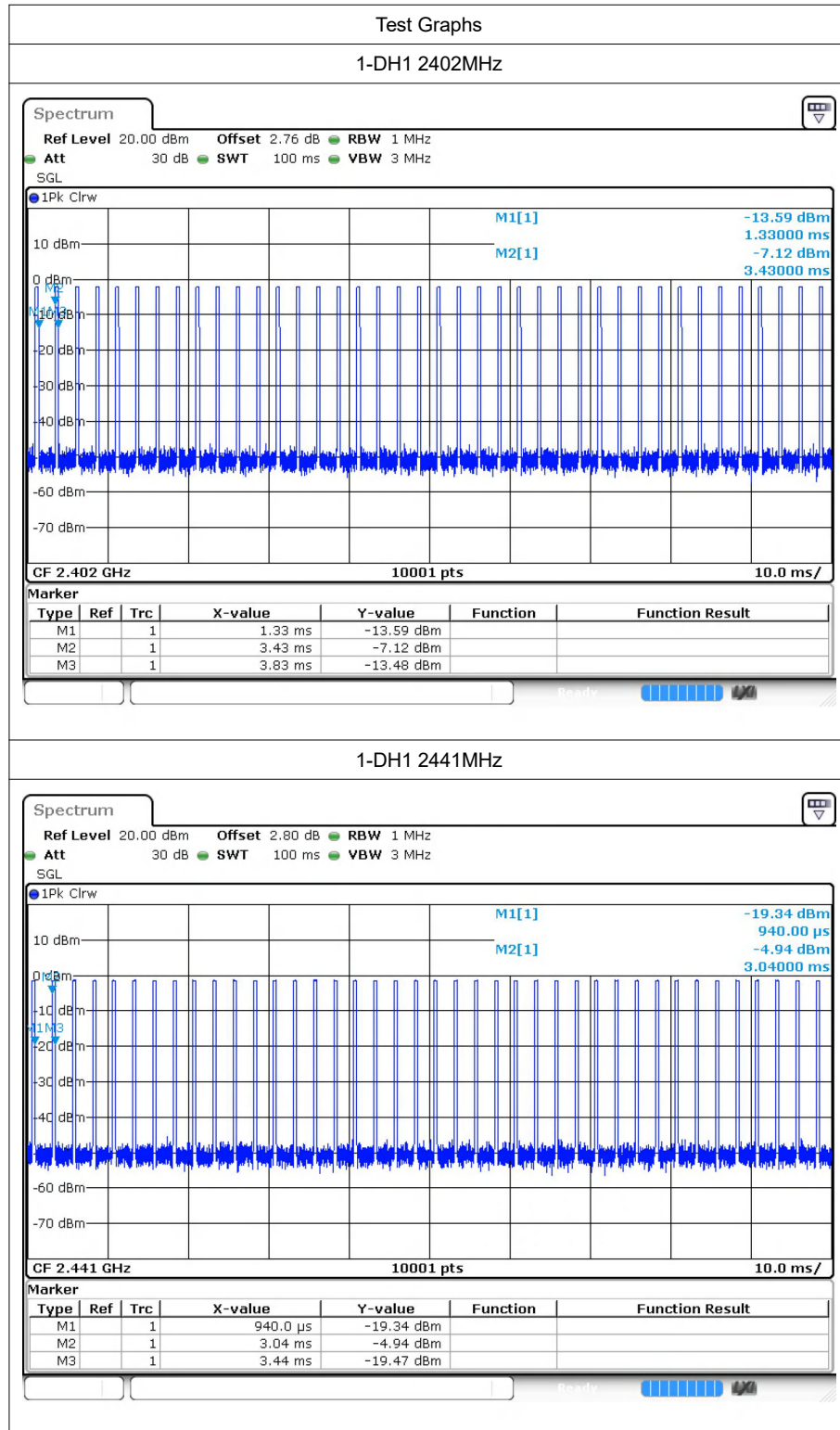
1 Duty Cycle

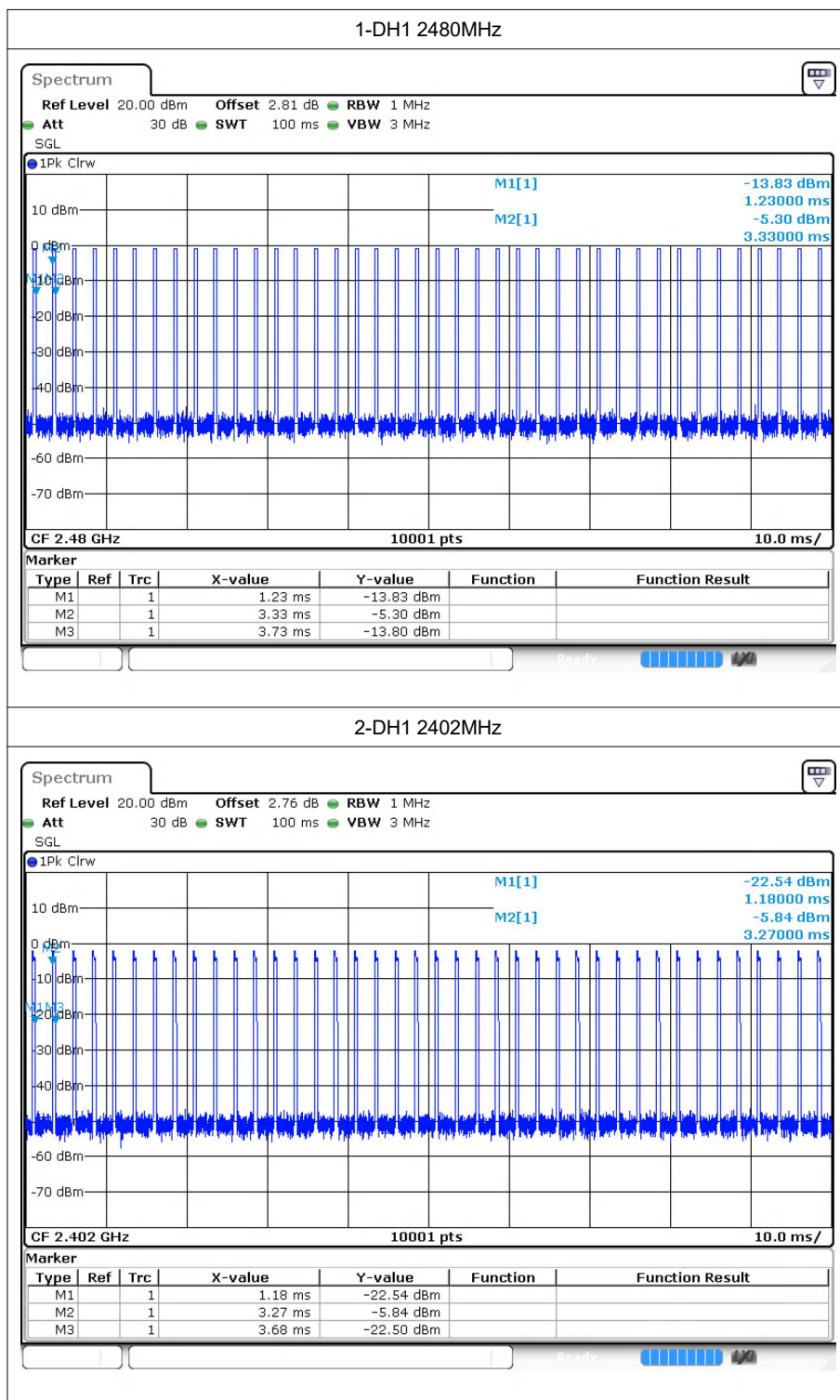
1.1 Test Result

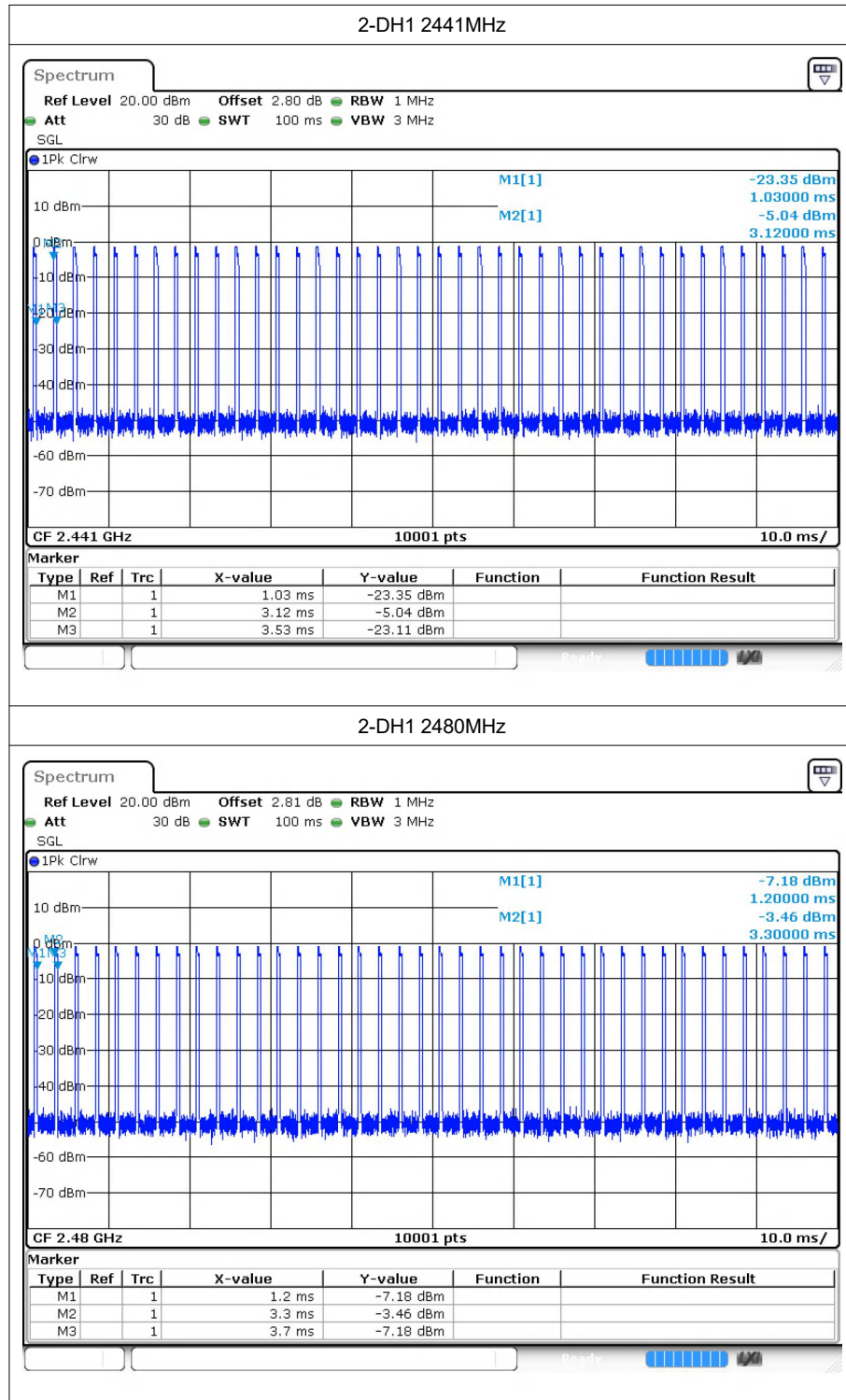
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
1-DH1	2402	16.4	7.85	2.5
1-DH1	2441	16.4	7.85	2.5
1-DH1	2480	16.4	7.85	2.5
2-DH1	2402	16.8	7.75	2.44
2-DH1	2441	16.8	7.75	2.44
2-DH1	2480	16.4	7.85	2.5
3-DH1	2402	16.8	7.75	2.44
3-DH1	2441	16.4	7.85	2.5
3-DH1	2480	16.8	7.75	2.44

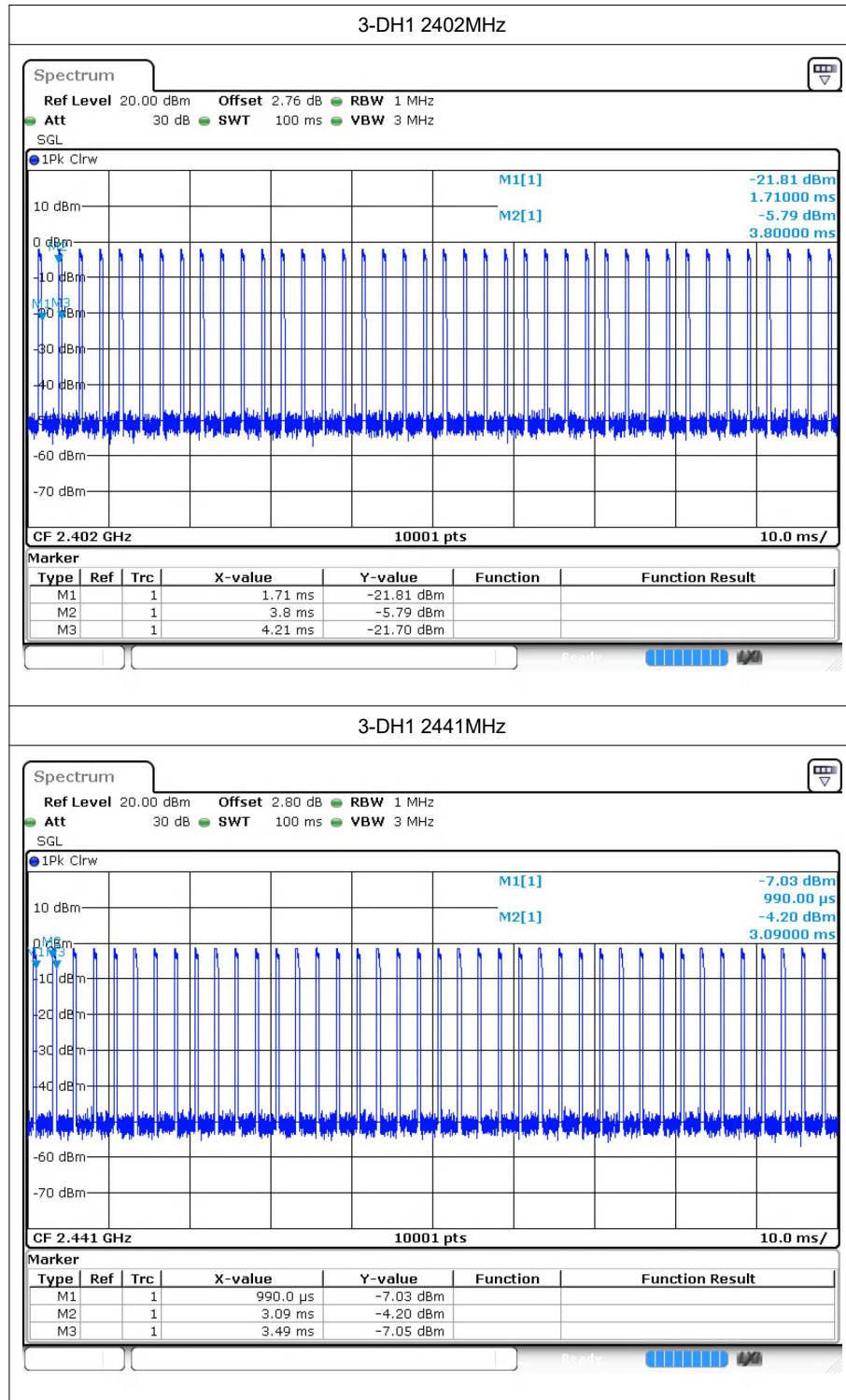
Note: The left ear and the right ear have been tested, the right ear is the worst data and only the worst data is shown.

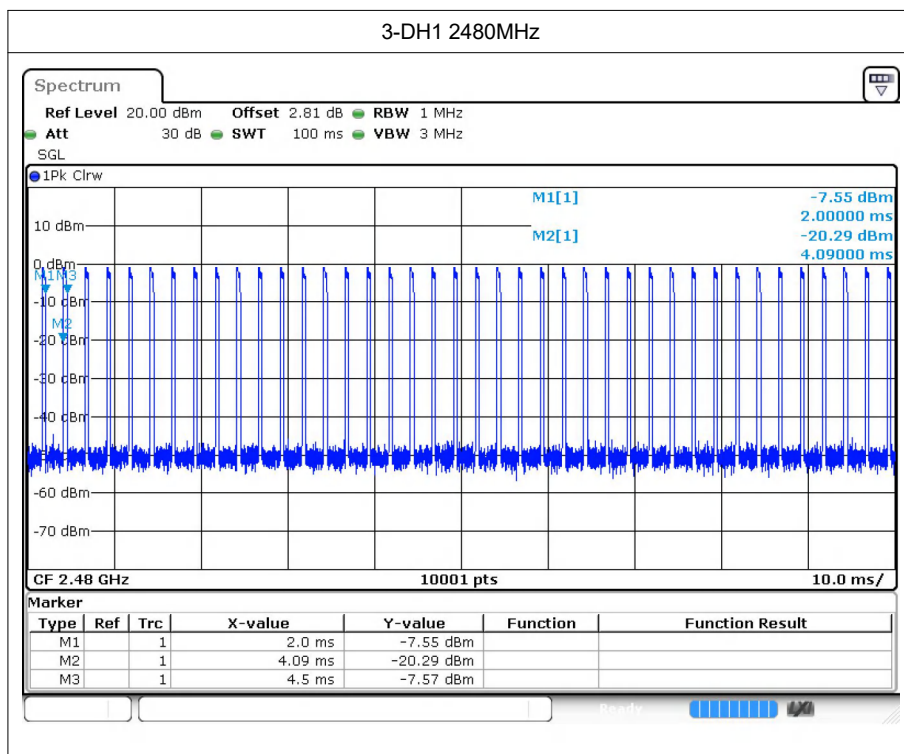
1.2 Test Graphs











2 Maximum Peak Conducted Output Power

2.1 Test Result

Left:

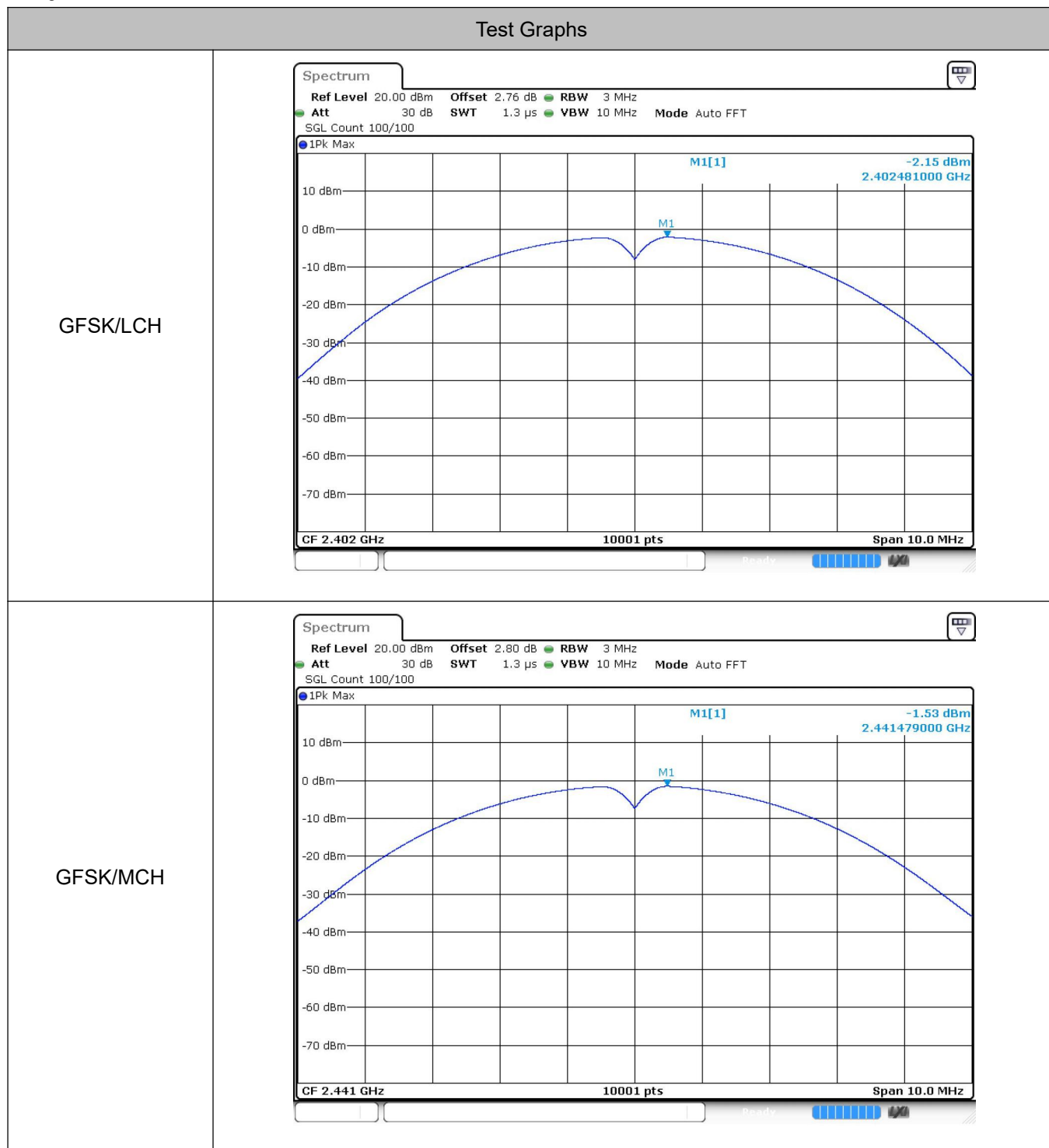
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-2.4	21	Pass
	MCH	-1.73	21	Pass
	HCH	-1.18	21	Pass
$\pi/4$ DQPSK	LCH	-2.36	21	Pass
	MCH	-1.7	21	Pass
	HCH	-1.18	21	Pass
8DPSK	LCH	-2.18	21	Pass
	MCH	-1.59	21	Pass
	HCH	-1.18	21	Pass

Right:

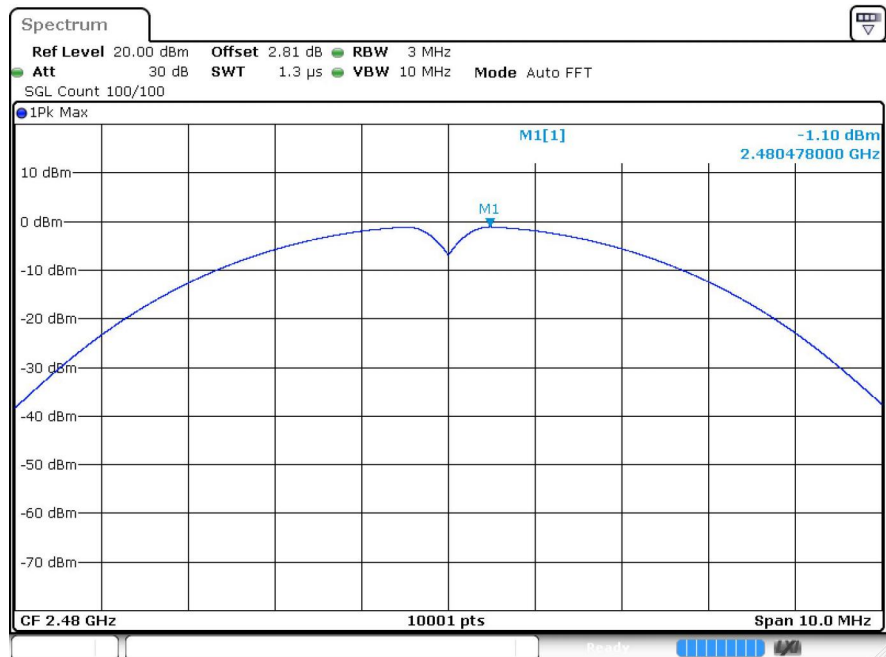
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-2.15	21	Pass
	MCH	-1.53	21	Pass
	HCH	-1.1	21	Pass
$\pi/4$ DQPSK	LCH	-2.26	21	Pass
	MCH	-1.61	21	Pass
	HCH	-1.13	21	Pass
8DPSK	LCH	-2.25	21	Pass
	MCH	-1.63	21	Pass
	HCH	-1.13	21	Pass

2.2 Test Graphs

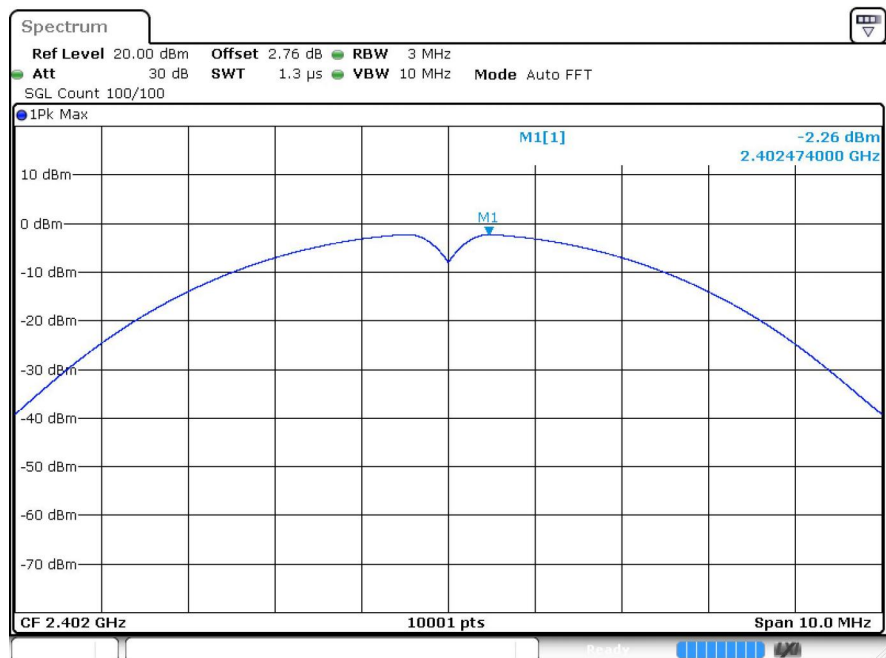
Right:



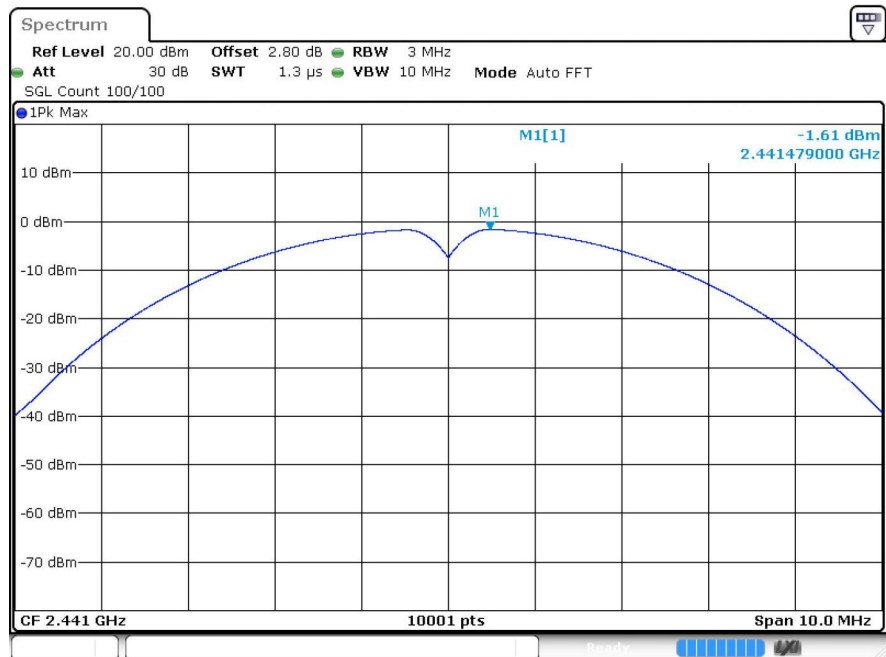
GFSK/HCH



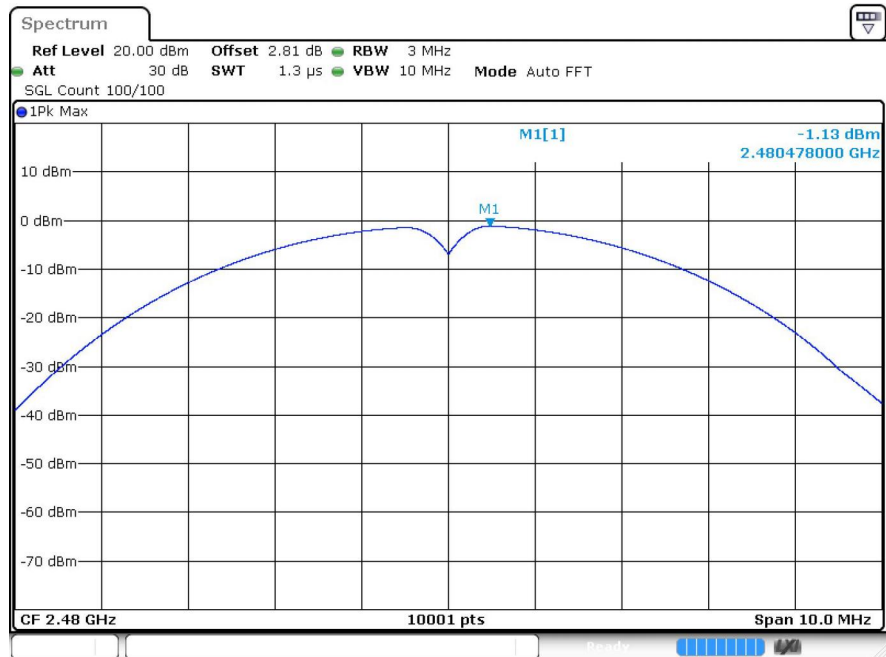
$\pi/4$ DQPSK/LCH



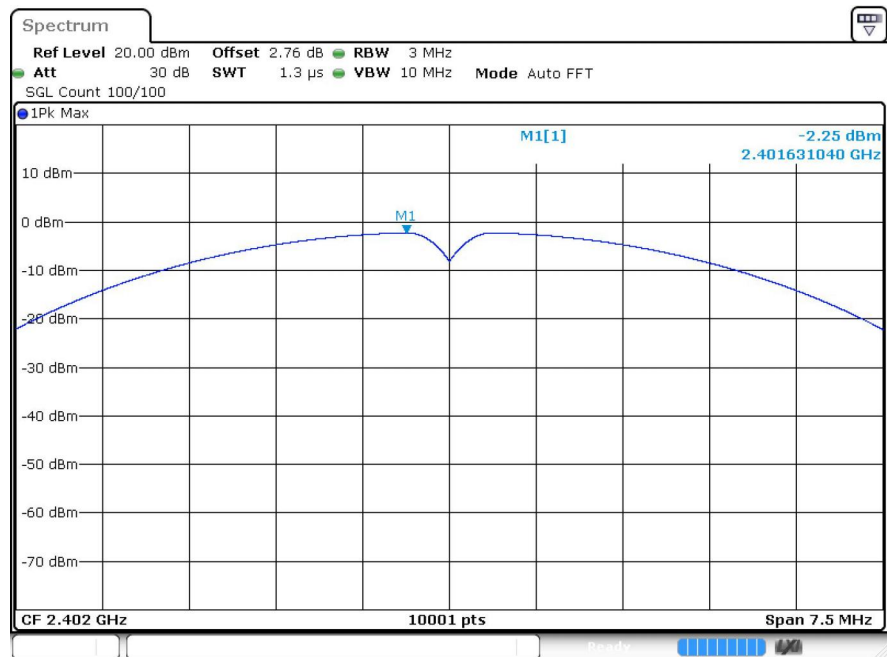
$\pi/4$ DQPSK/MCH



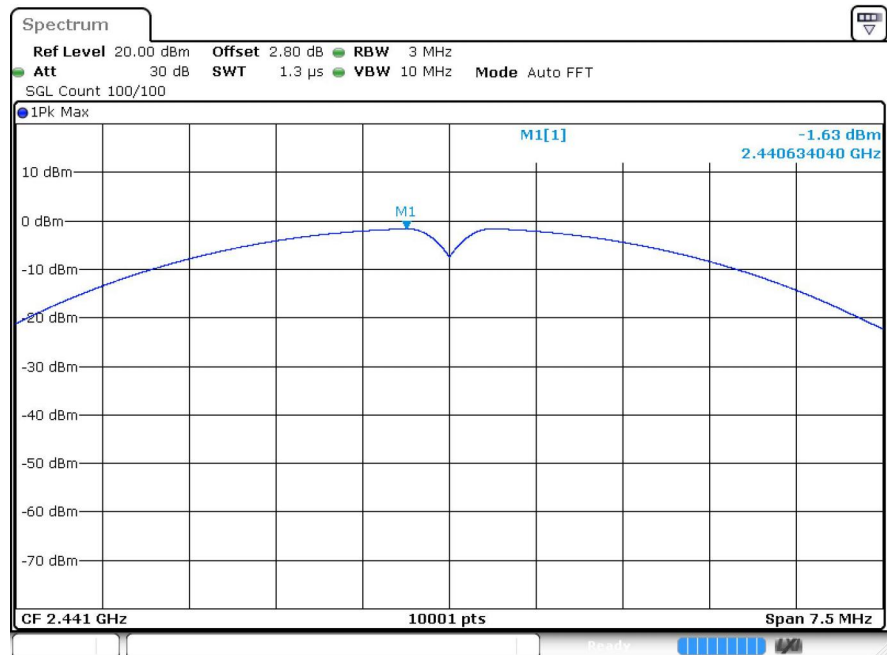
$\pi/4$ DQPSK/HCH



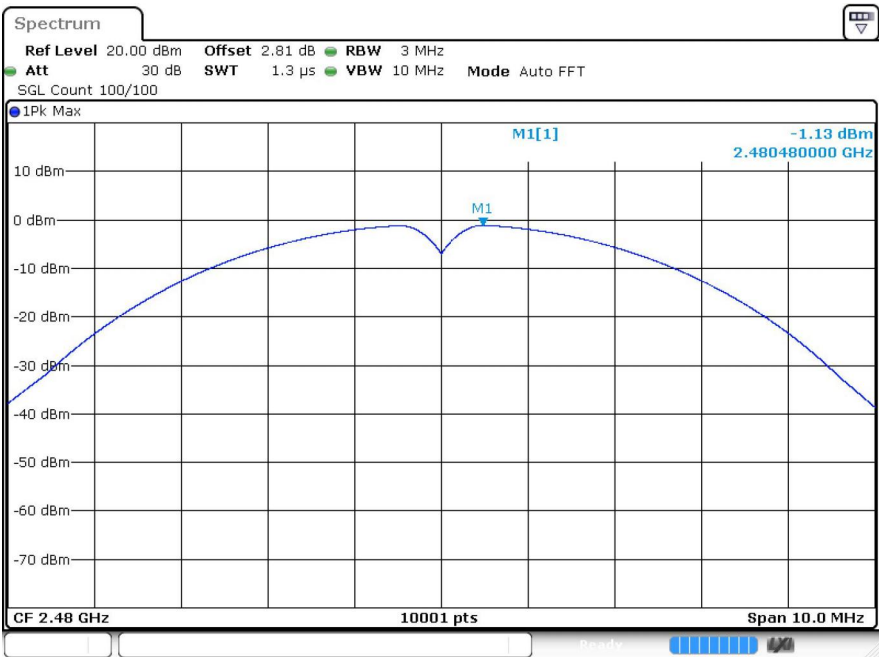
8DPSK/LCH



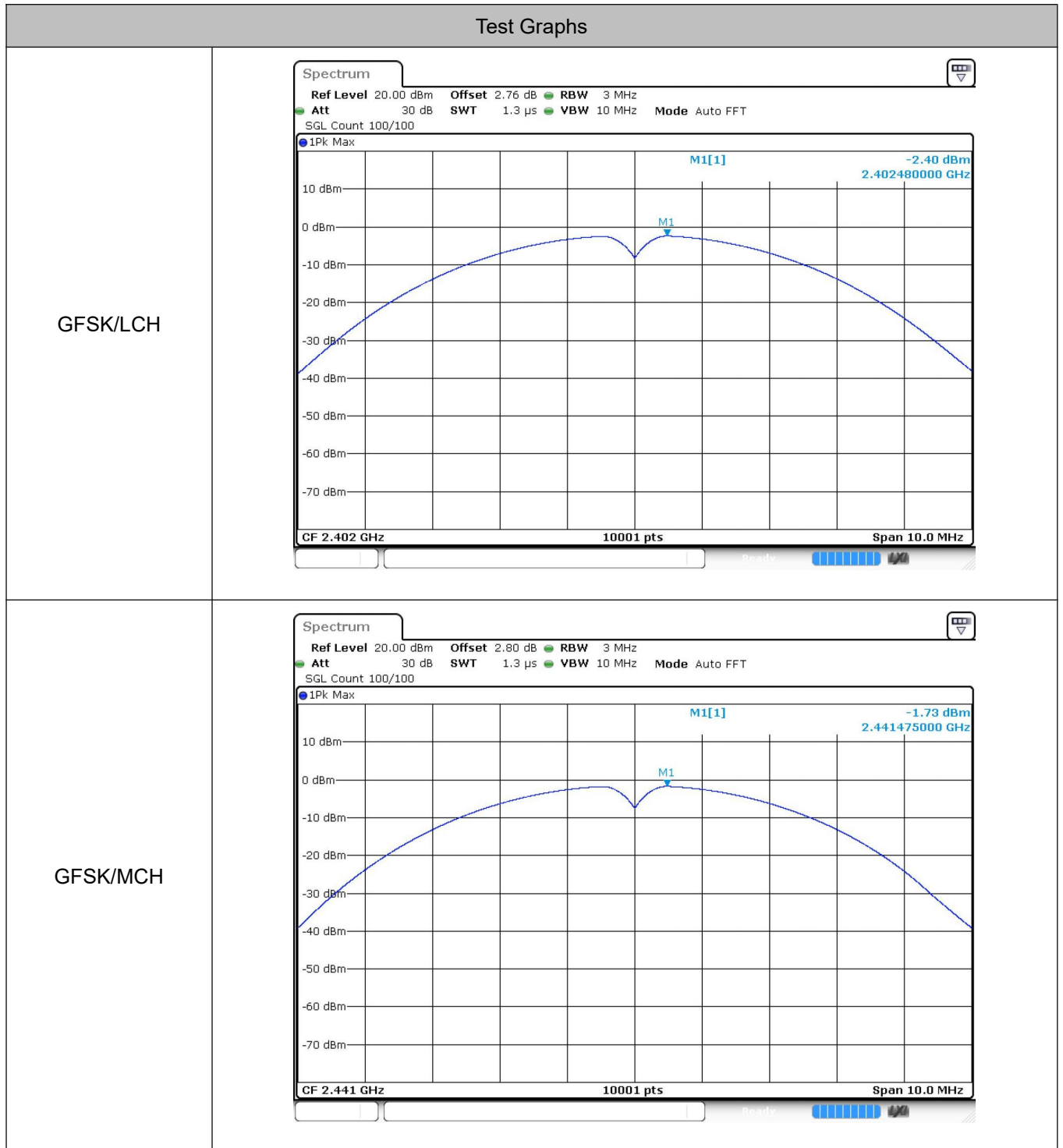
8DPSK/MCH



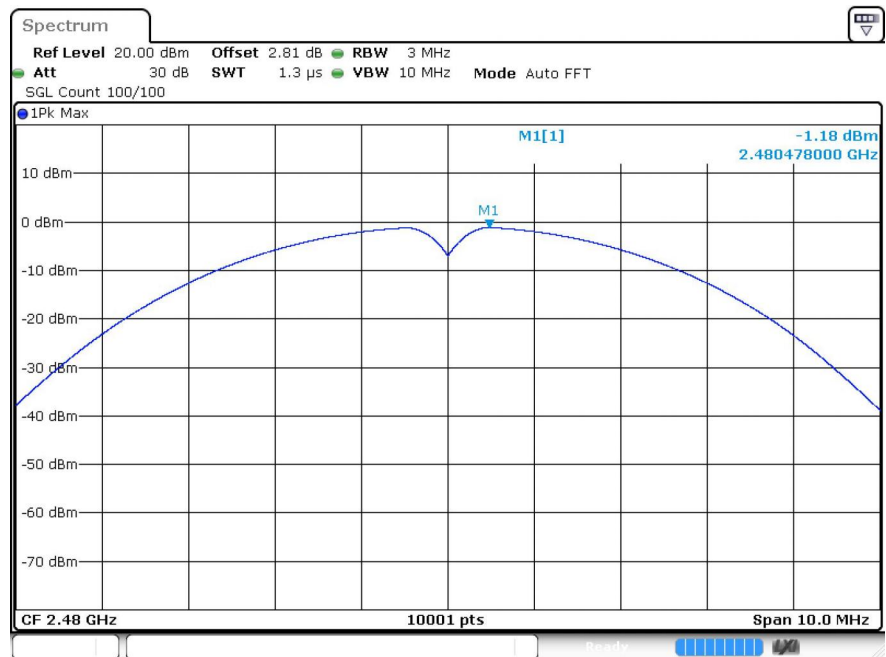
8DPSK/HCH



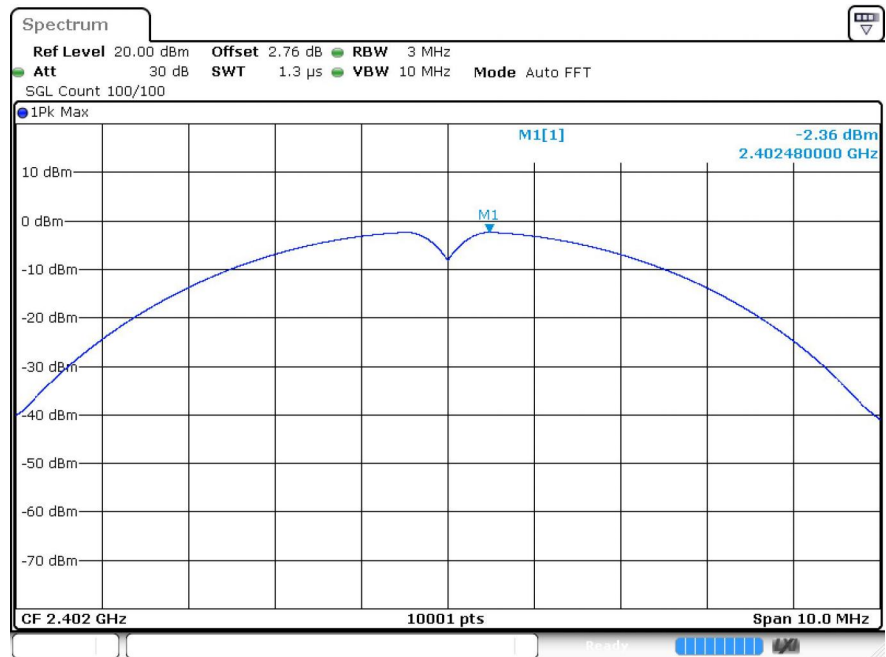
Left:

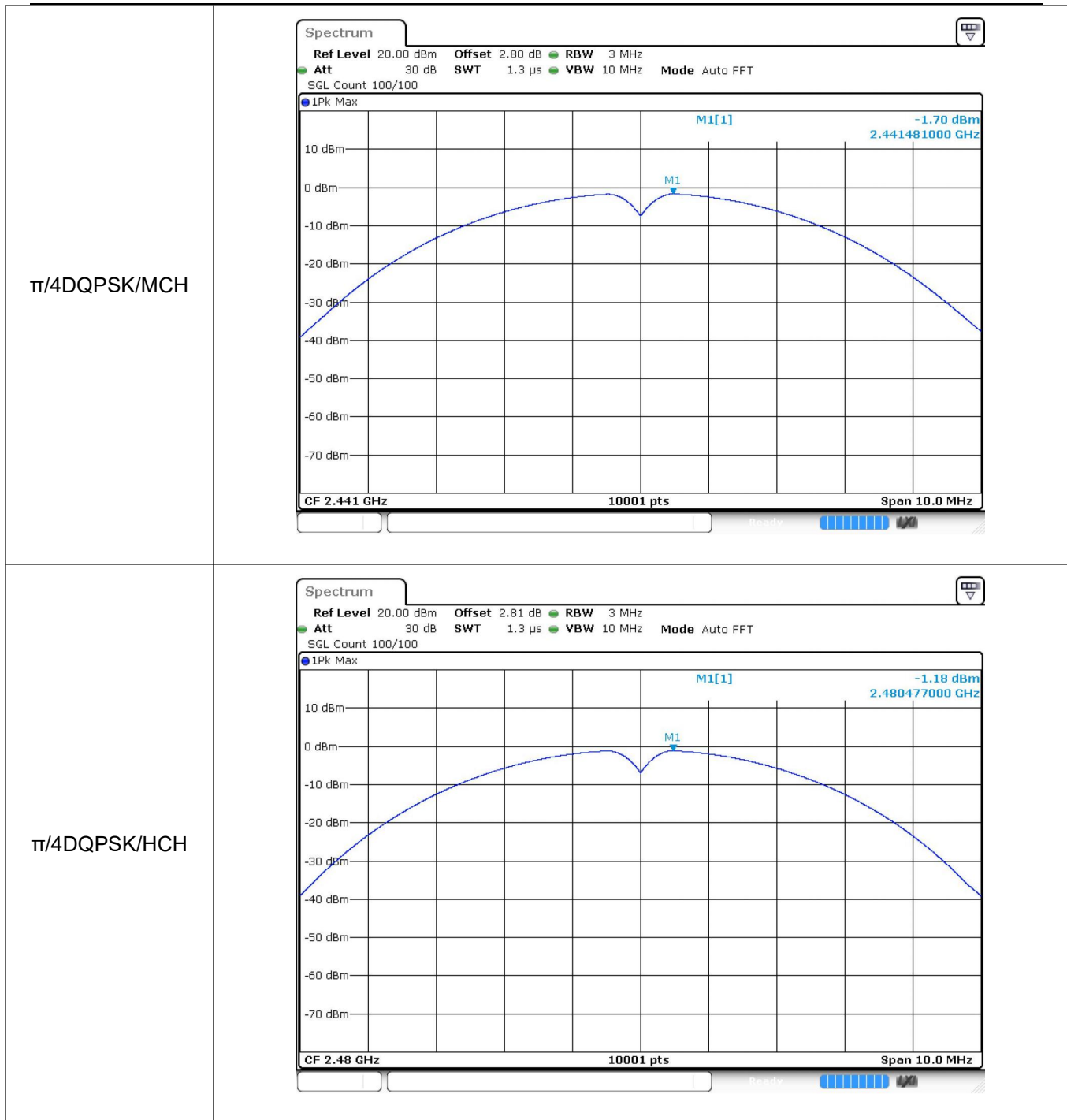


GFSK/HCH

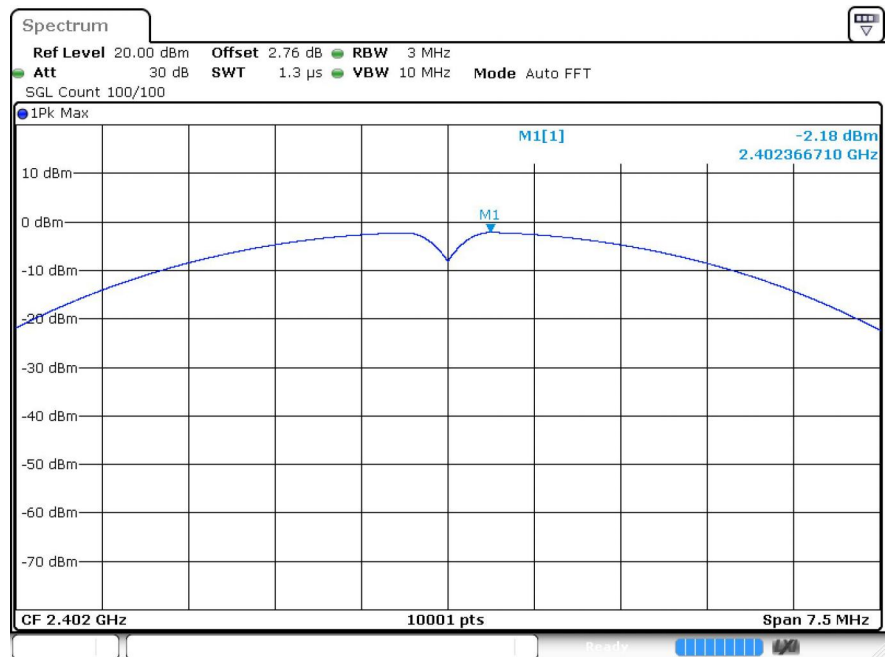


$\pi/4$ DQPSK/LCH

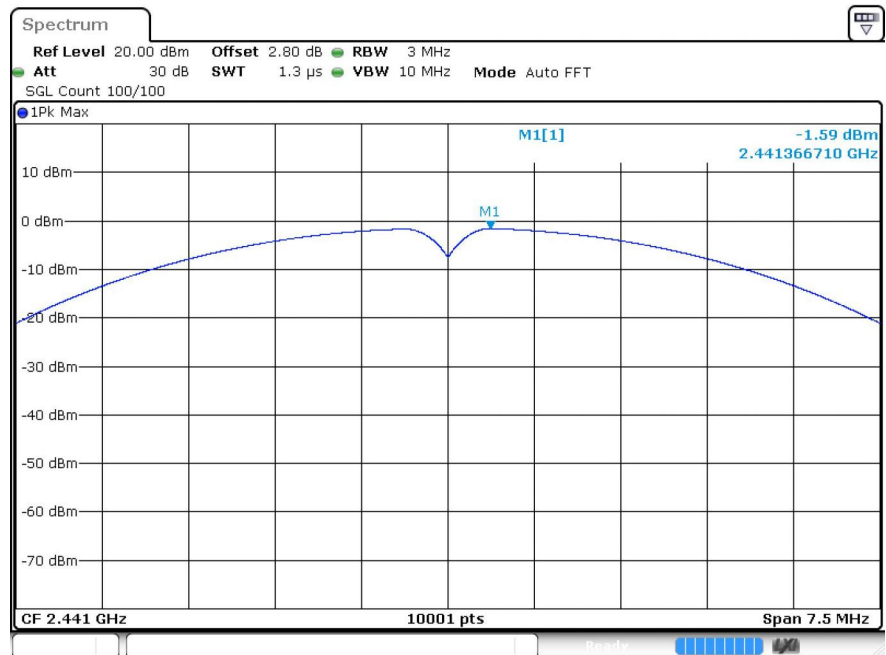




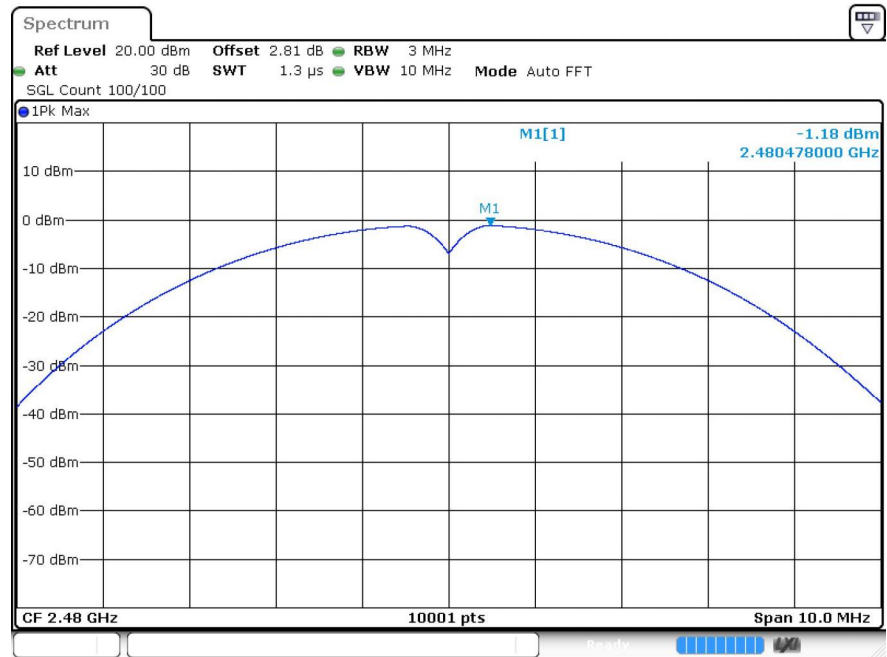
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH



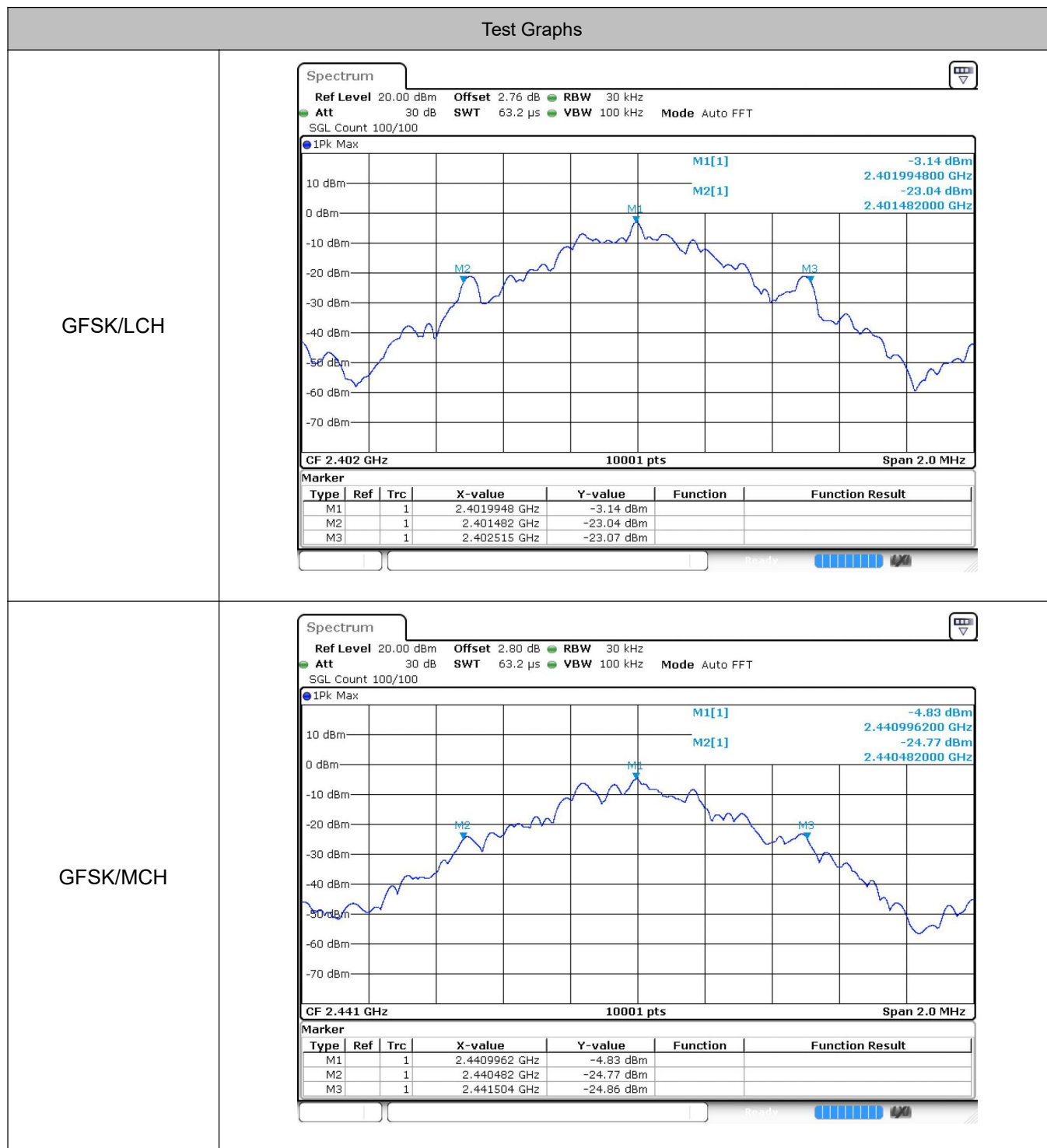
3 20dB Bandwidth

3.1 Test Result

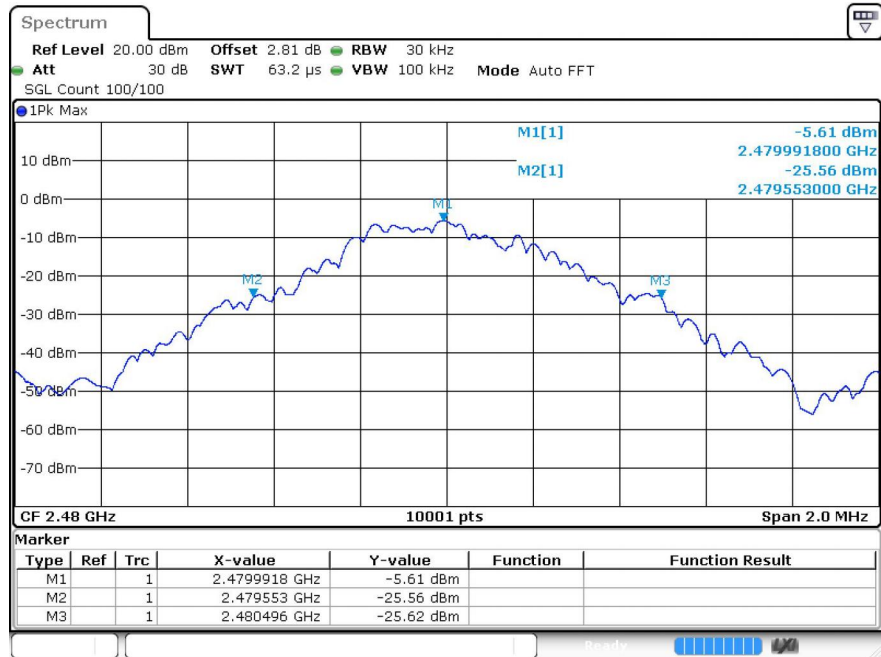
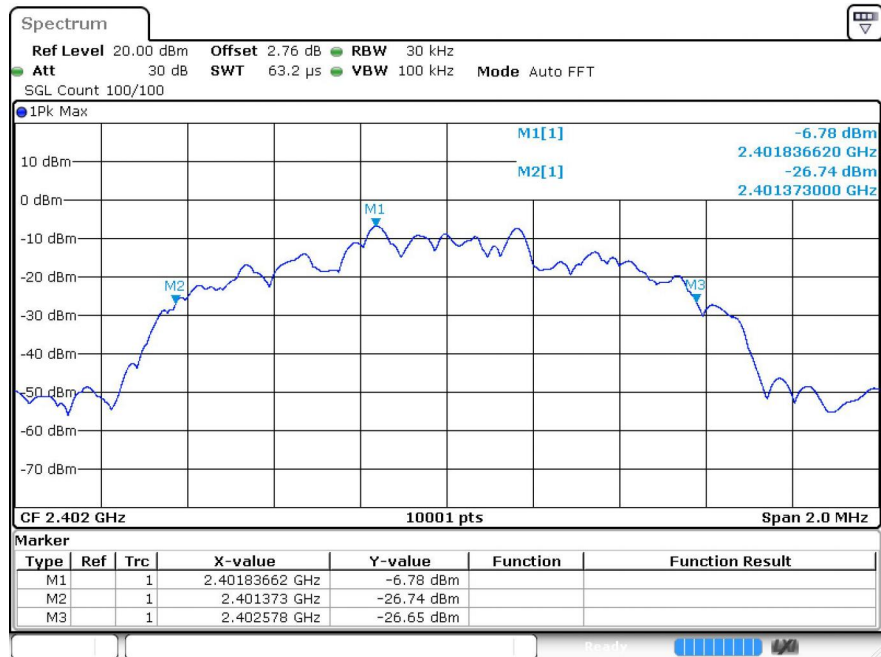
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.034	Not Specified	Pass
	MCH	1.022	Not Specified	Pass
	HCH	0.943	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.205	Not Specified	Pass
	MCH	1.165	Not Specified	Pass
	HCH	1.098	Not Specified	Pass
8DPSK	LCH	1.205	Not Specified	Pass
	MCH	1.165	Not Specified	Pass
	HCH	1.103	Not Specified	Pass

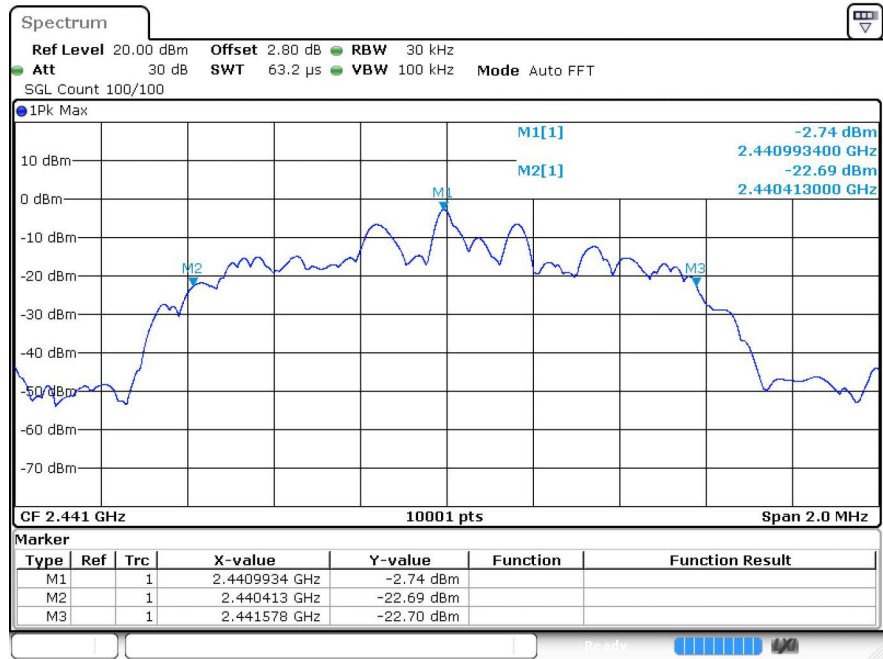
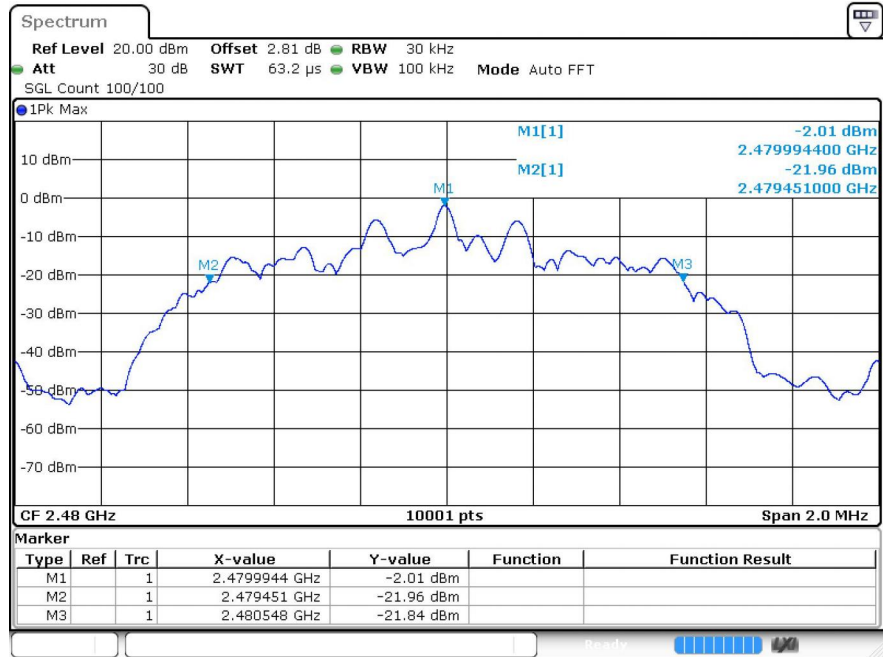
Note: The left ear and the right ear have been tested, the right ear is the worst data and only the worst data is shown.

3.2 Test Graphs

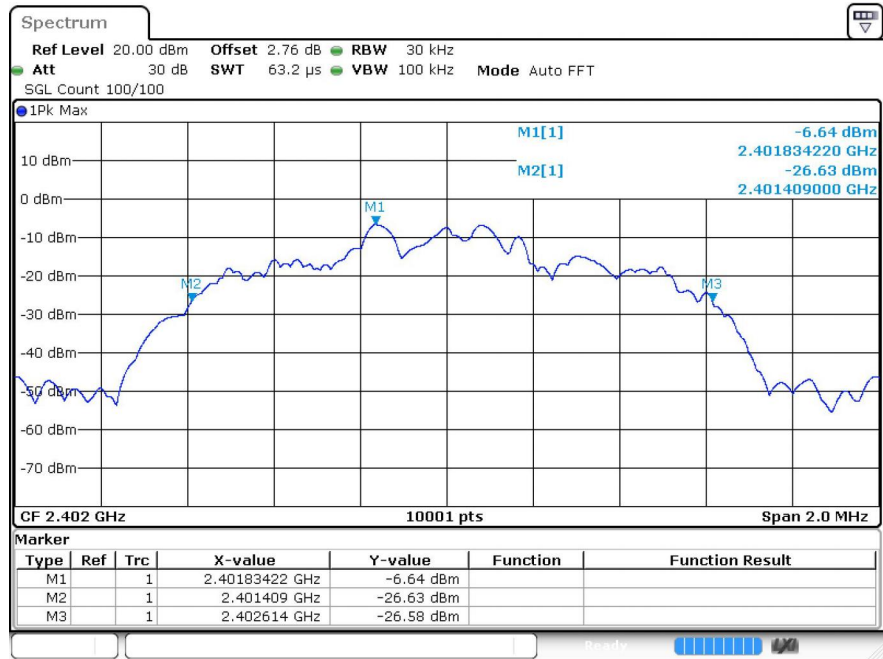


GFSK/HCH

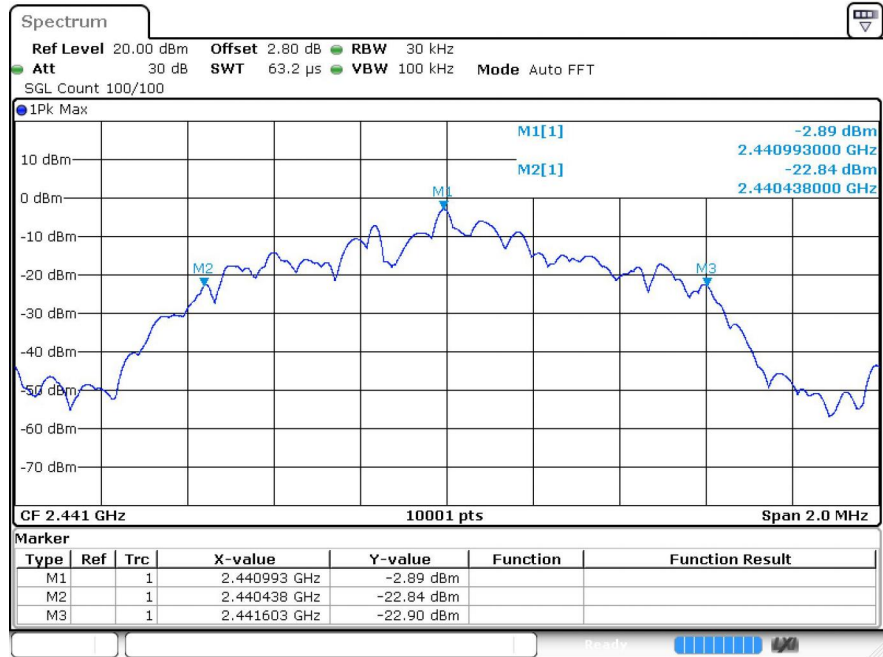

 $\pi/4$ DQPSK/LCH


$\pi/4$ DQPSK/MCH

 $\pi/4$ DQPSK/HCH


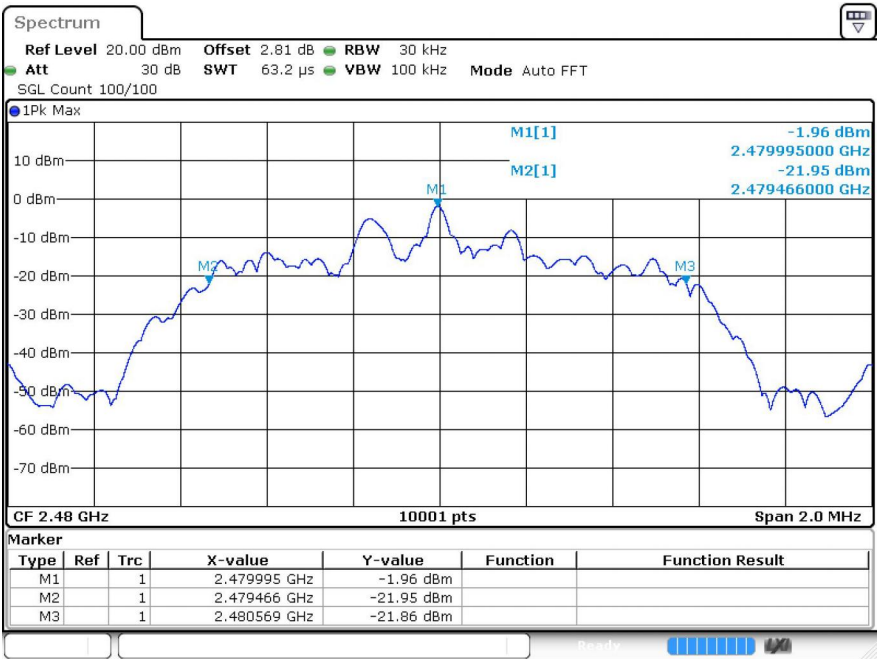
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH



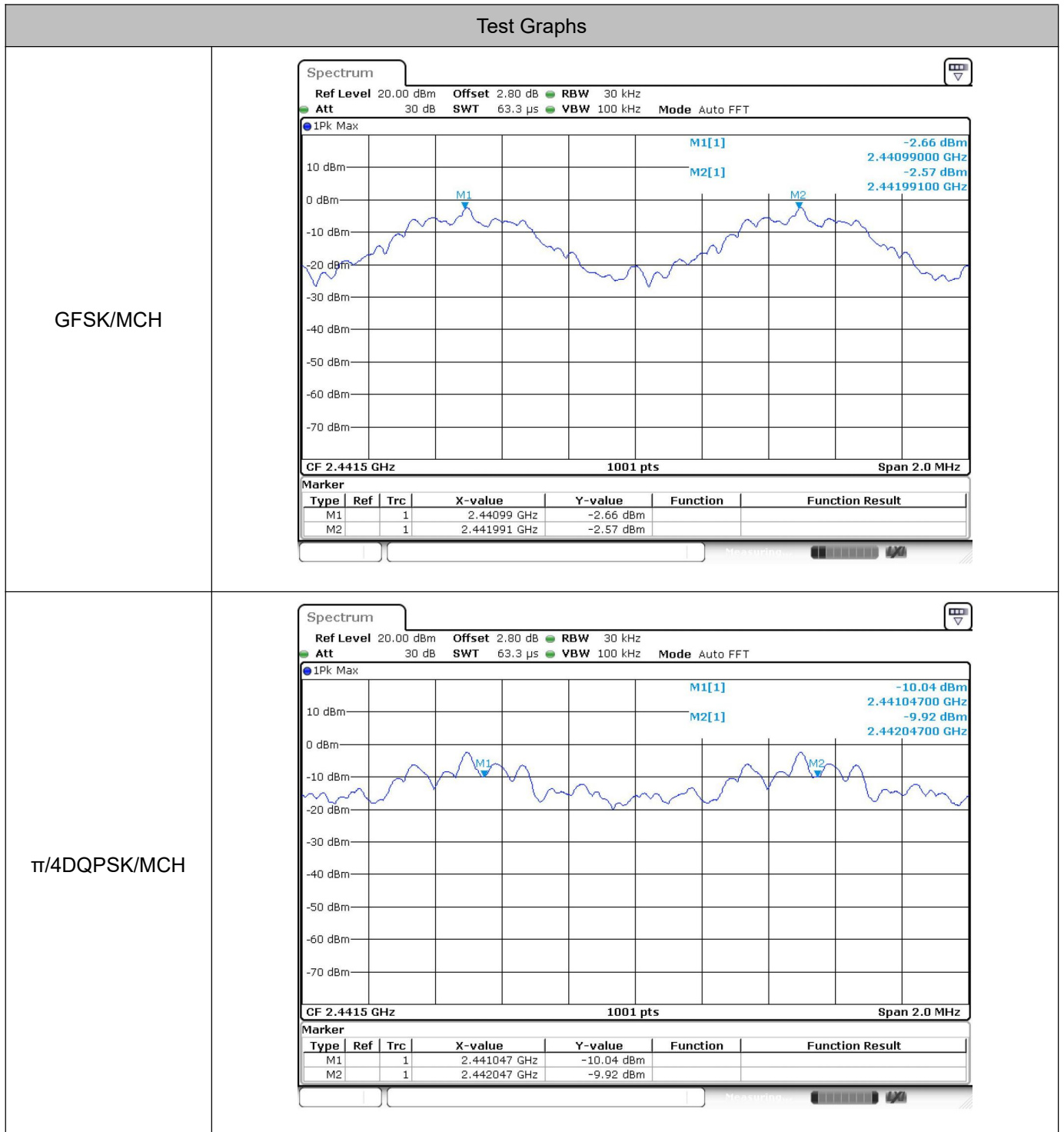
4 Carrier Frequency Separation

4.1 Test Result

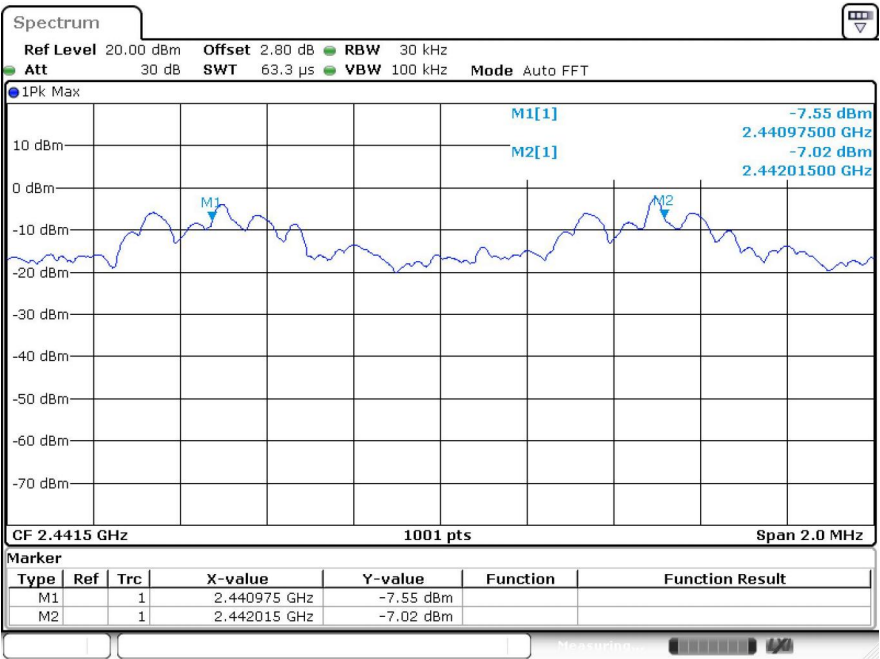
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	1.001	0.681	Pass
$\pi/4$ DQPSK	MCH	1	0.777	Pass
8DPSK	MCH	1.04	0.777	Pass

Note: The left ear and the right ear have been tested, the right ear is the worst data and only the worst data is shown.

4.2 Test Graphs



8DPSK/MCH



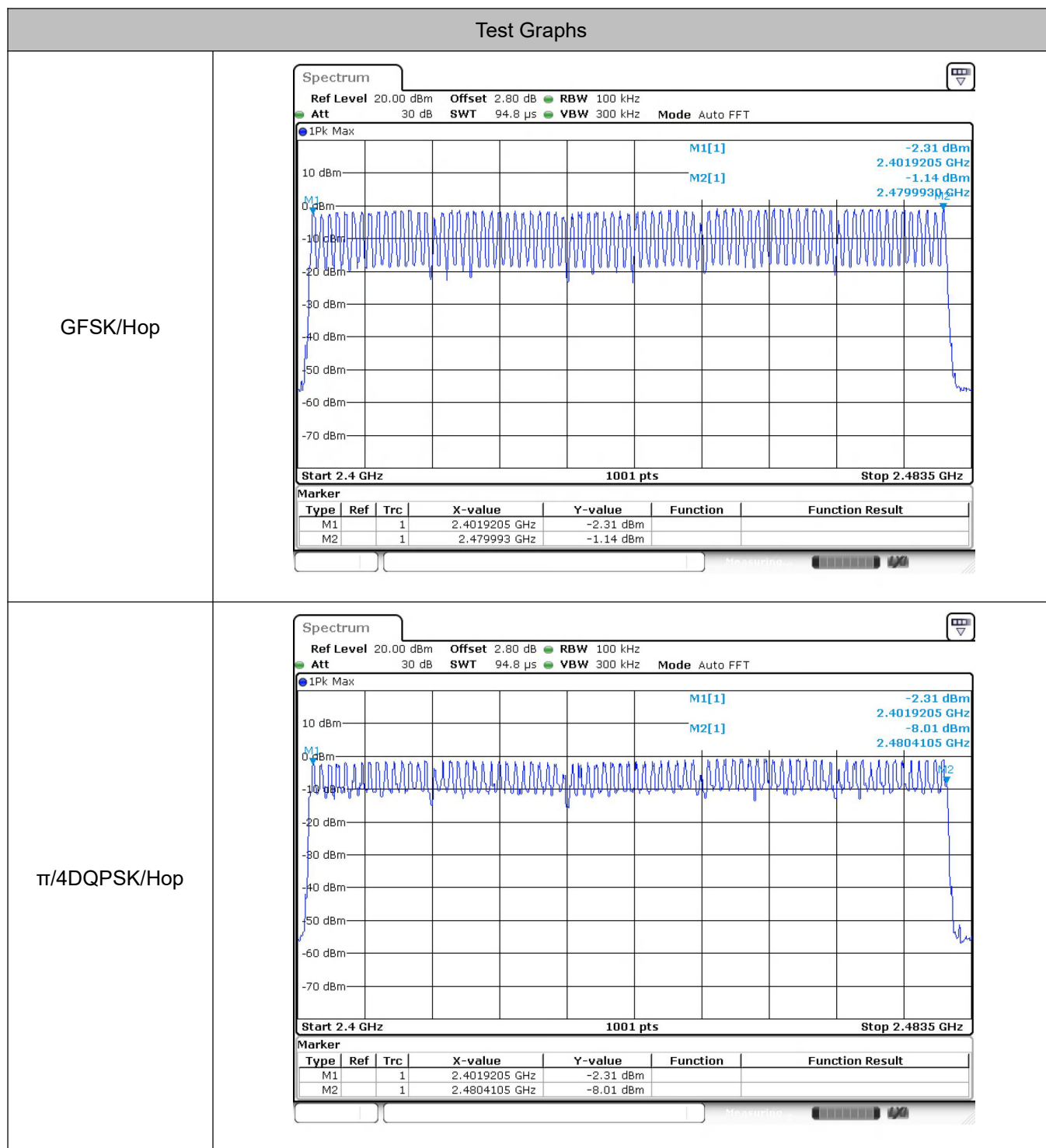
5 Hopping Channel Number

5.1 Test Result

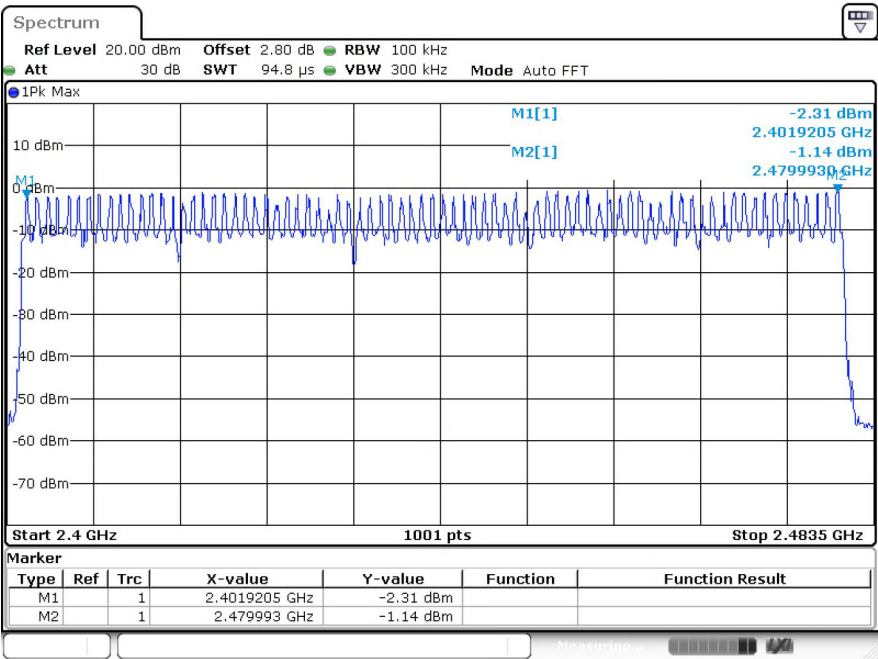
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	≥ 15	PASS
$\pi/4$ DQPSK	Hop	79	≥ 15	PASS
8DPSK	Hop	79	≥ 15	PASS

Note: The left ear and the right ear have been tested, the right ear is the worst data and only the worst data is shown.

5.2 Test Graphs



8DPSK/Hop



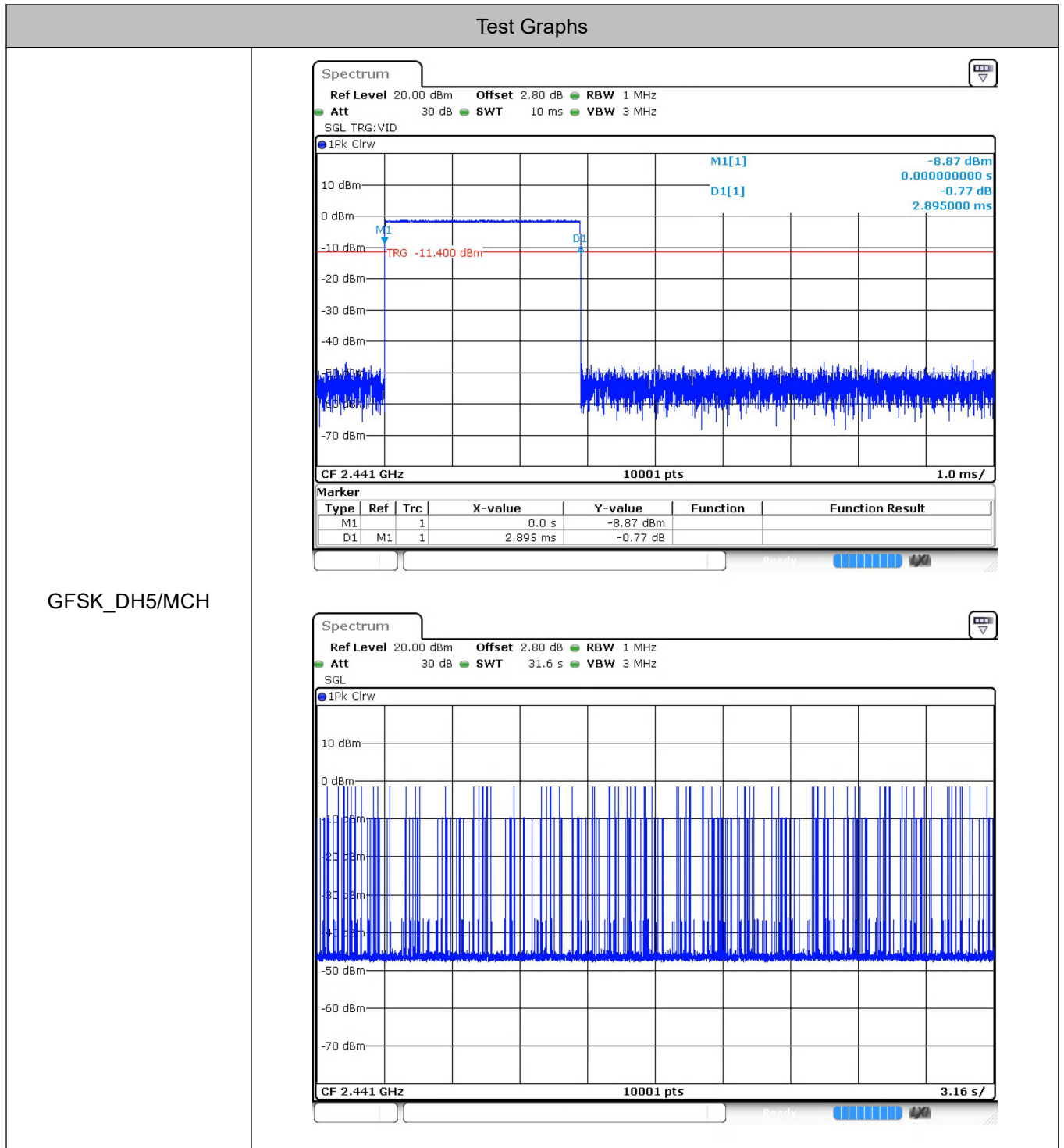
6 Dwell Time

6.1 Test Result

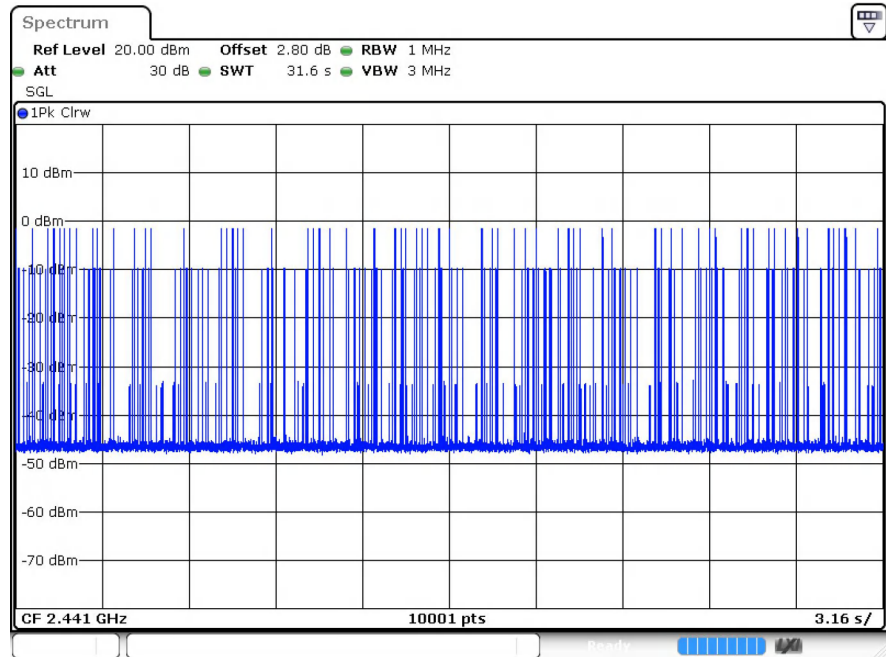
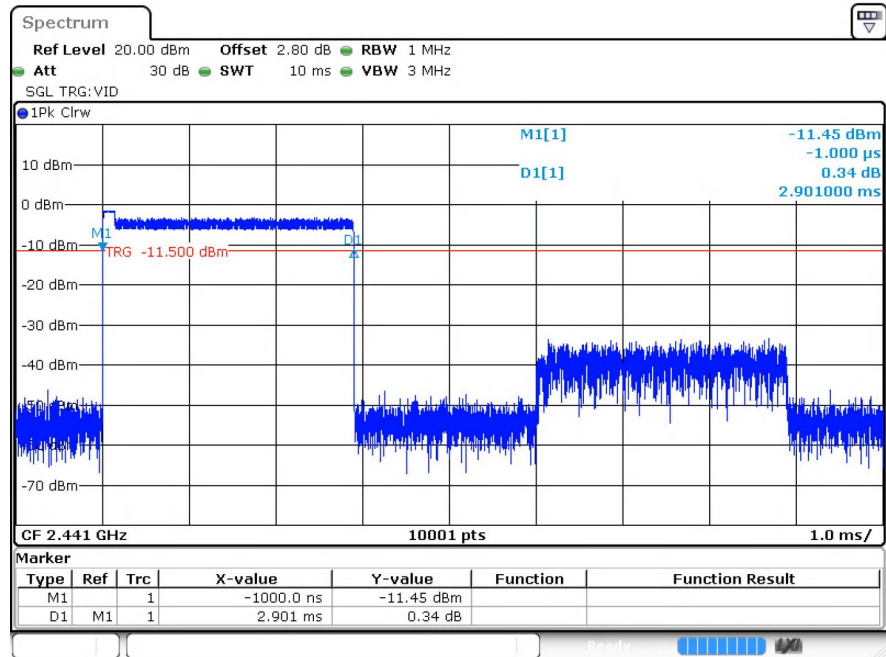
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.895	79	228.705	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.901	80	232.08	0.4	Pass
8DPSK	3DH5	MCH	2.898	86	249.228	0.4	Pass

Note: The left ear and the right ear have been tested, the right ear is the worst data and only the worst data is shown.

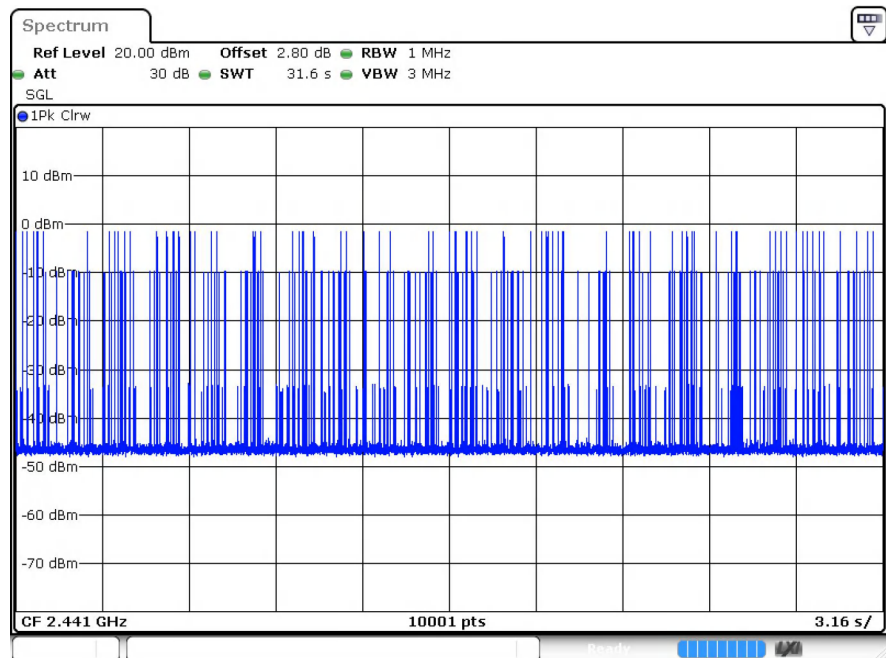
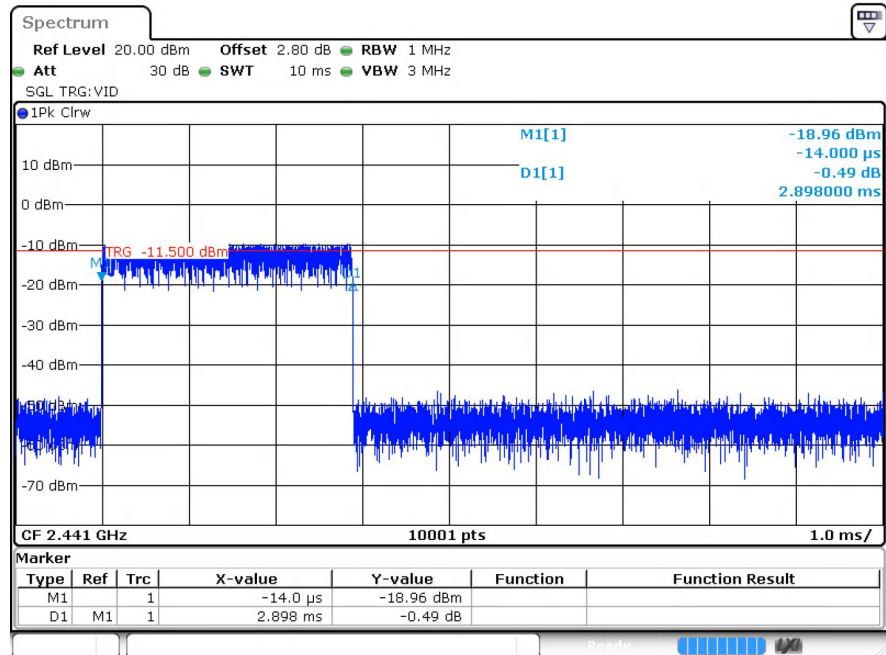
6.2 Test Graphs



$\pi/4$ DQPSK
_2DH5/MCH



8DPSK_3DH5/MCH



7 RF Conducted Spurious Emissions

7.1 Test Result

Left:

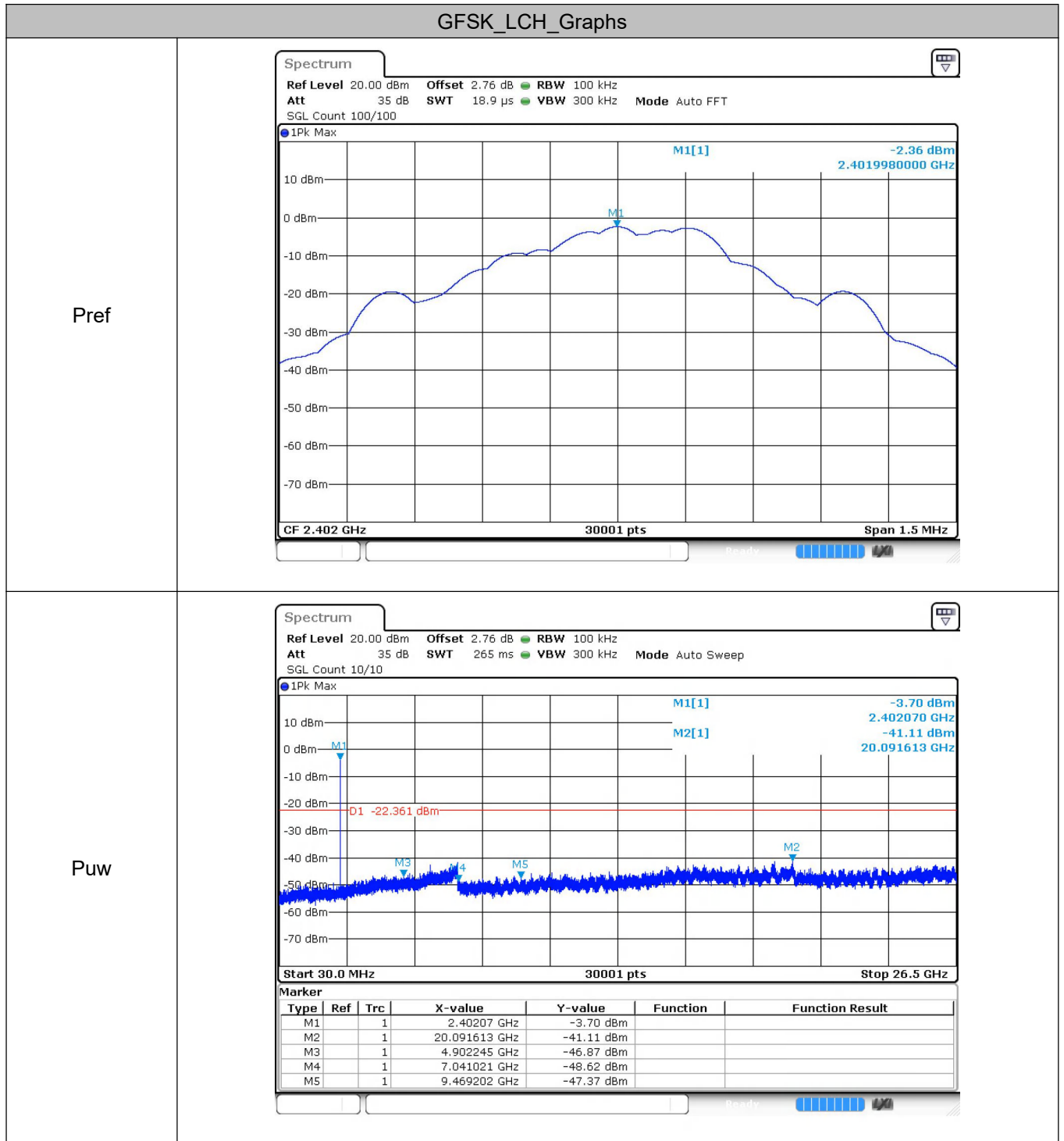
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-38.74	-20	Pass
	MCH	-38.36	-20	Pass
	HCH	-40.05	-20	Pass
$\pi/4$ DQPSK	LCH	-39.55	-20	Pass
	MCH	-39.22	-20	Pass
	HCH	-40.37	-20	Pass
8DPSK	LCH	-38.6	-20	Pass
	MCH	-39.35	-20	Pass
	HCH	-39.61	-20	Pass

Right:

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-38.96	-20	Pass
	MCH	-40.48	-20	Pass
	HCH	-39.57	-20	Pass
$\pi/4$ DQPSK	LCH	-38.39	-20	Pass
	MCH	-38.29	-20	Pass
	HCH	-39.7	-20	Pass
8DPSK	LCH	-38.84	-20	Pass
	MCH	-39.12	-20	Pass
	HCH	-40.83	-20	Pass

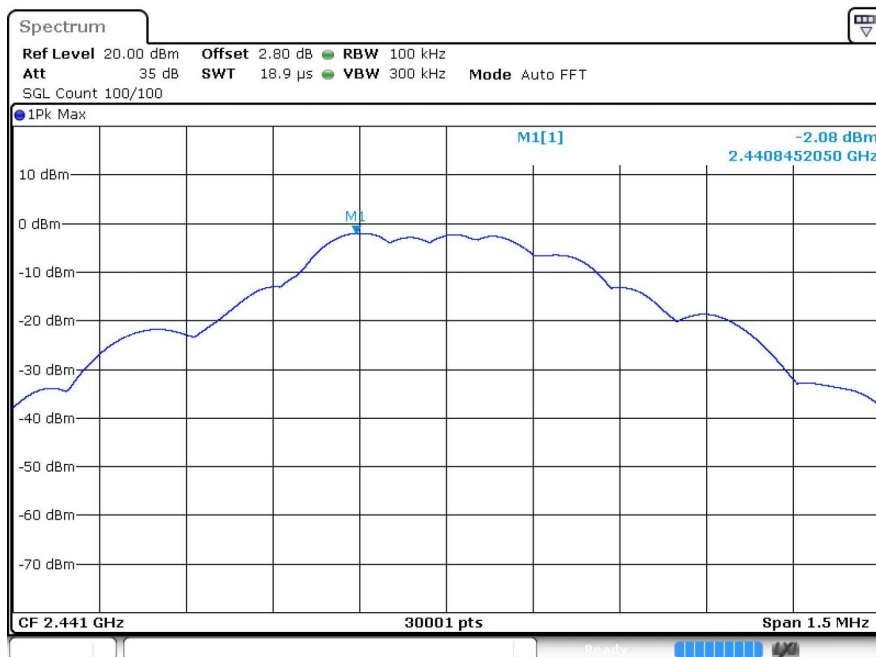
7.2 Test Graphs

Left:



GFSK_MCH_Graphs

Pref



Puw

