



Appendix A

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

Product Name: Tablet PC

Trade Mark: M55

Test Model: BENEVE

Environmental Conditions

Temperature:	25.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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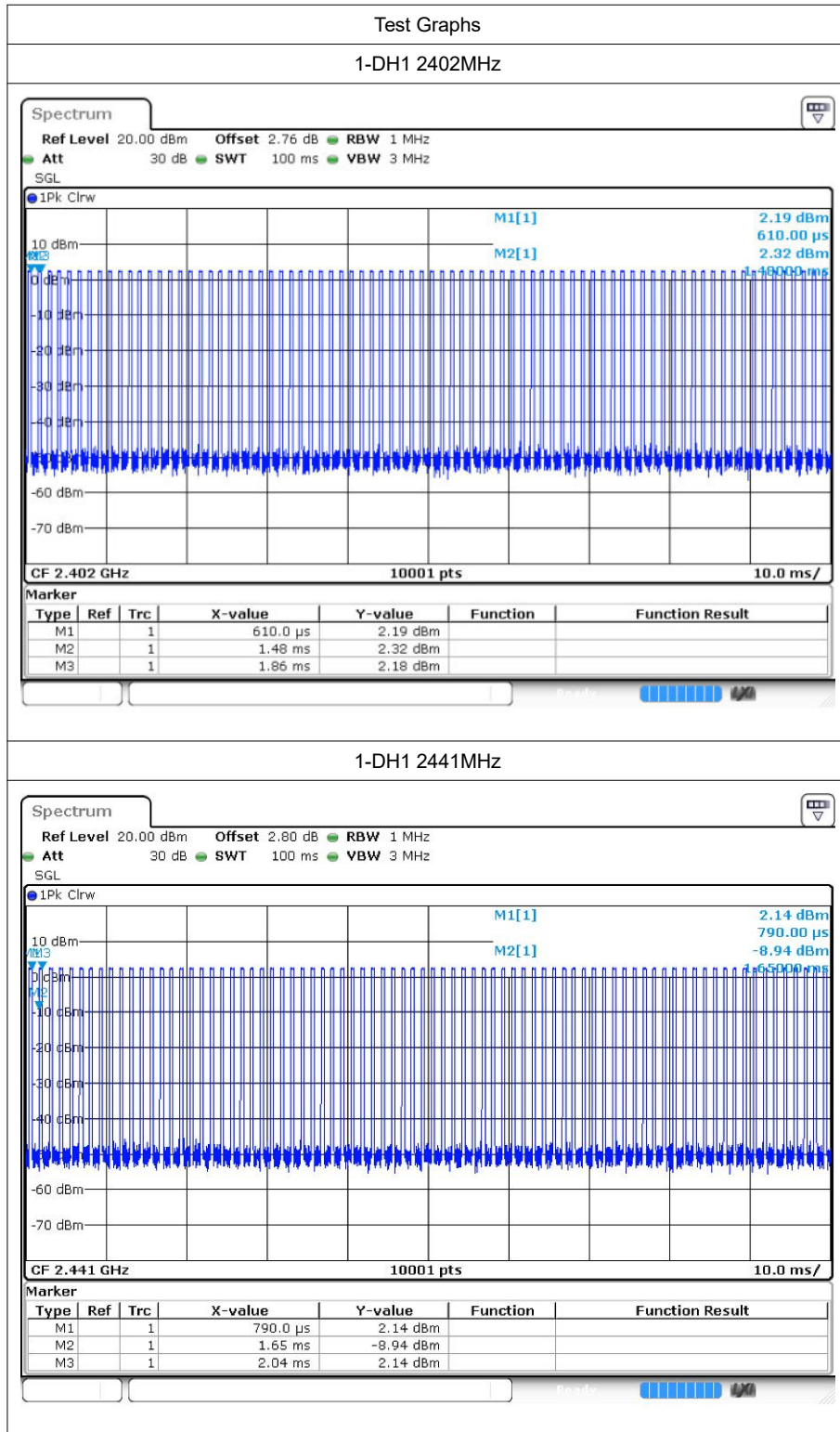
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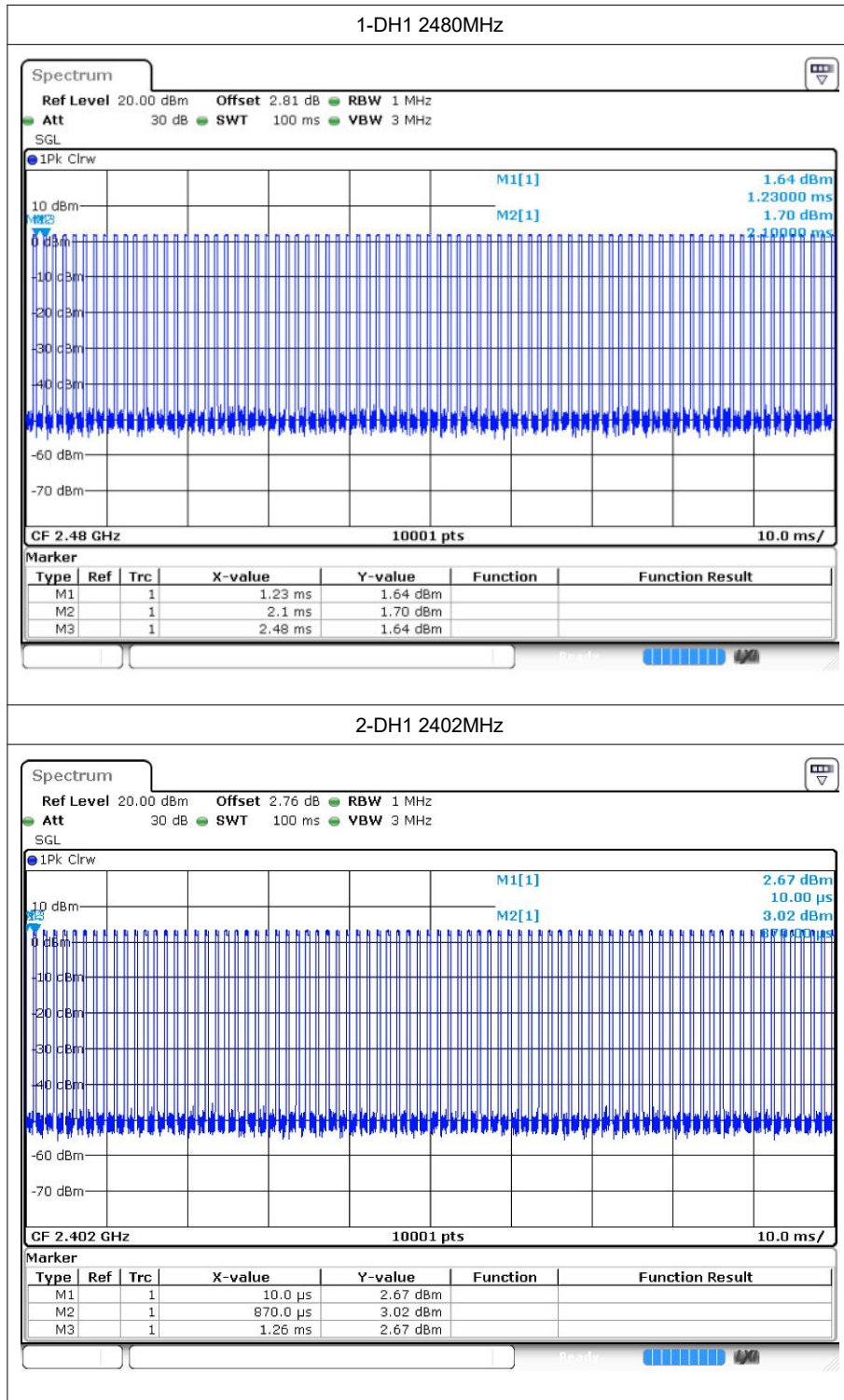
1 Duty Cycle

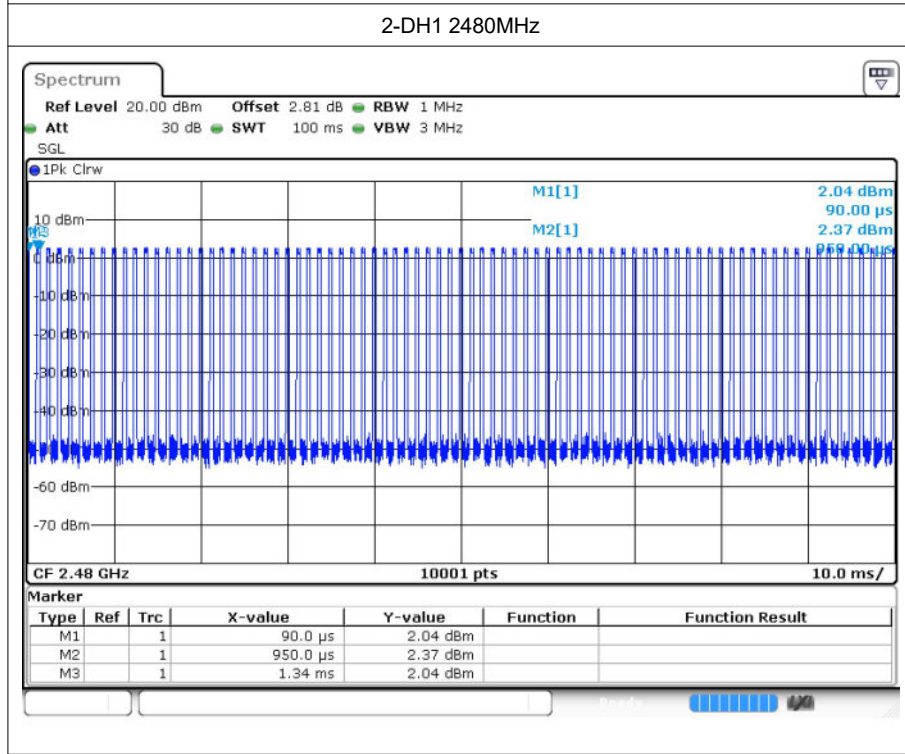
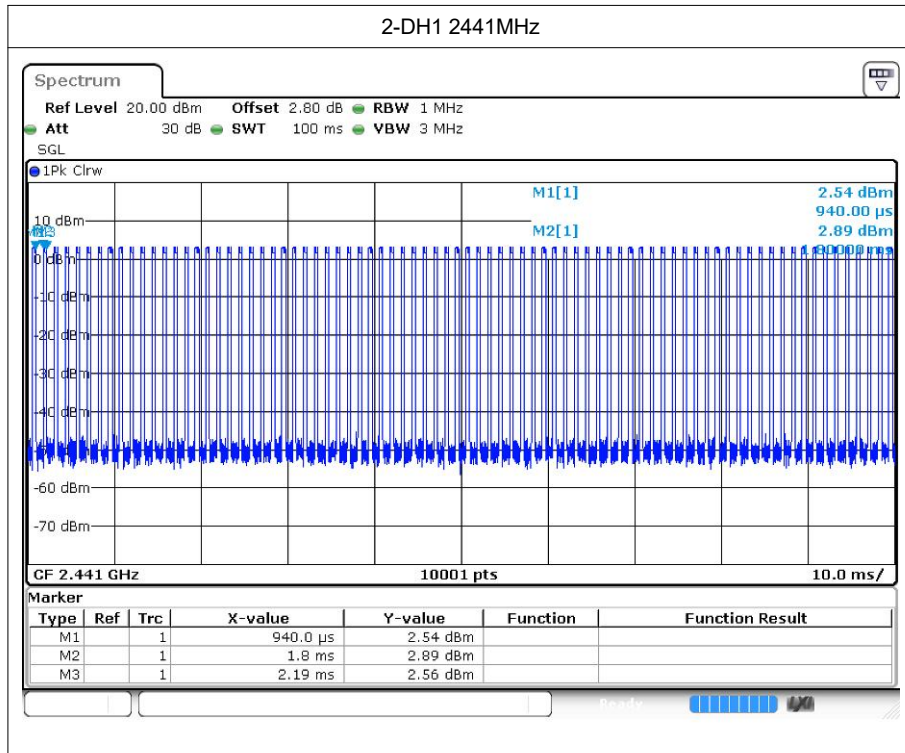
1.1 Test Result

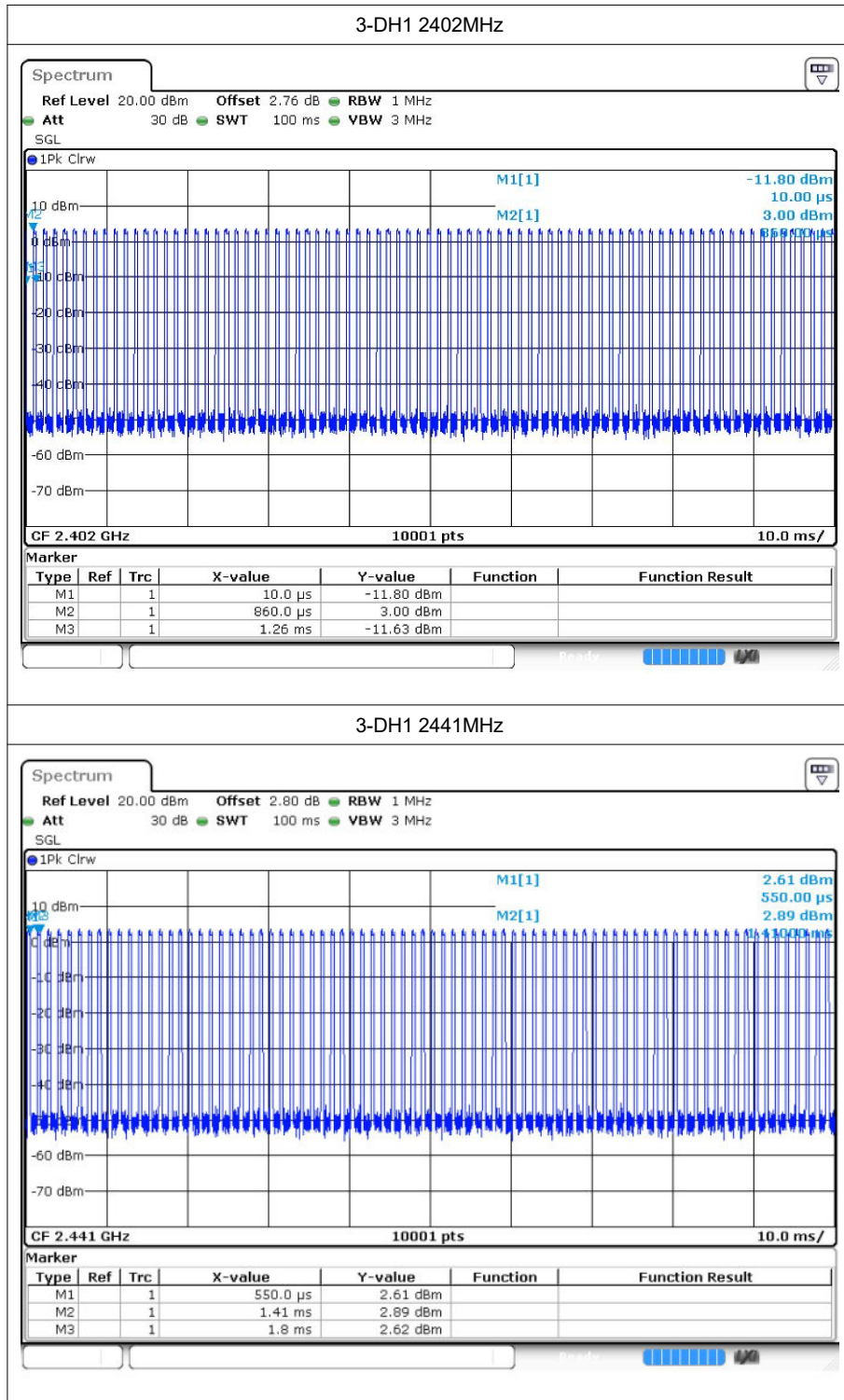
Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	31.2	2.63
1-DH1	2441	31.85	2.56
1-DH1	2480	31.2	2.63
2-DH1	2402	32.01	2.56
2-DH1	2441	32	2.56
2-DH1	2480	32.01	2.56
3-DH1	2402	32.81	2.5
3-DH1	2441	32.25	2.56
3-DH1	2480	32.01	2.56

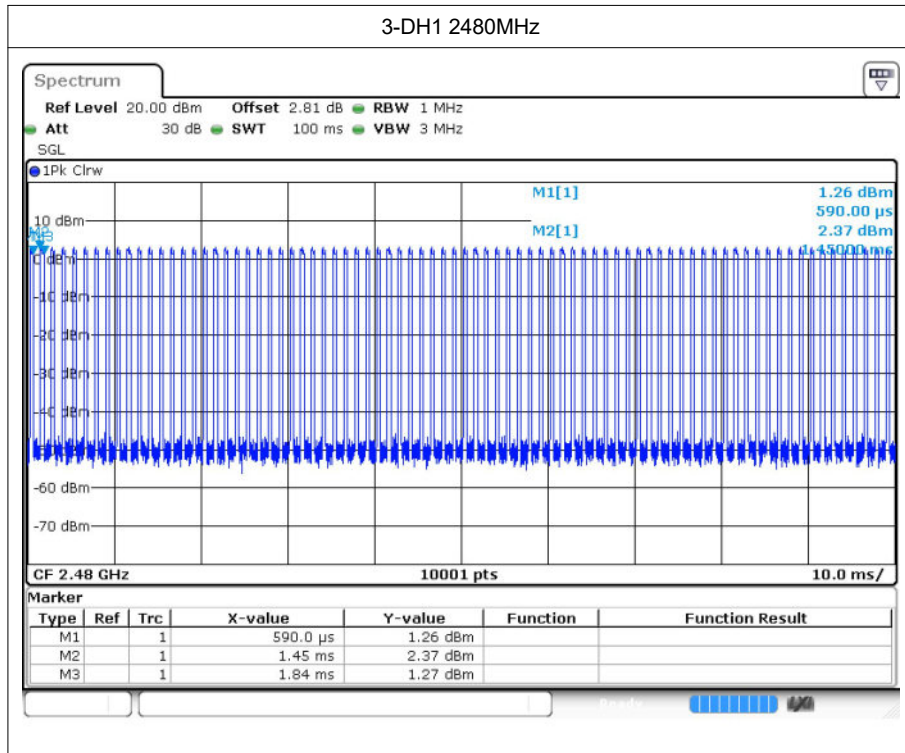
1.2 Test Graphs









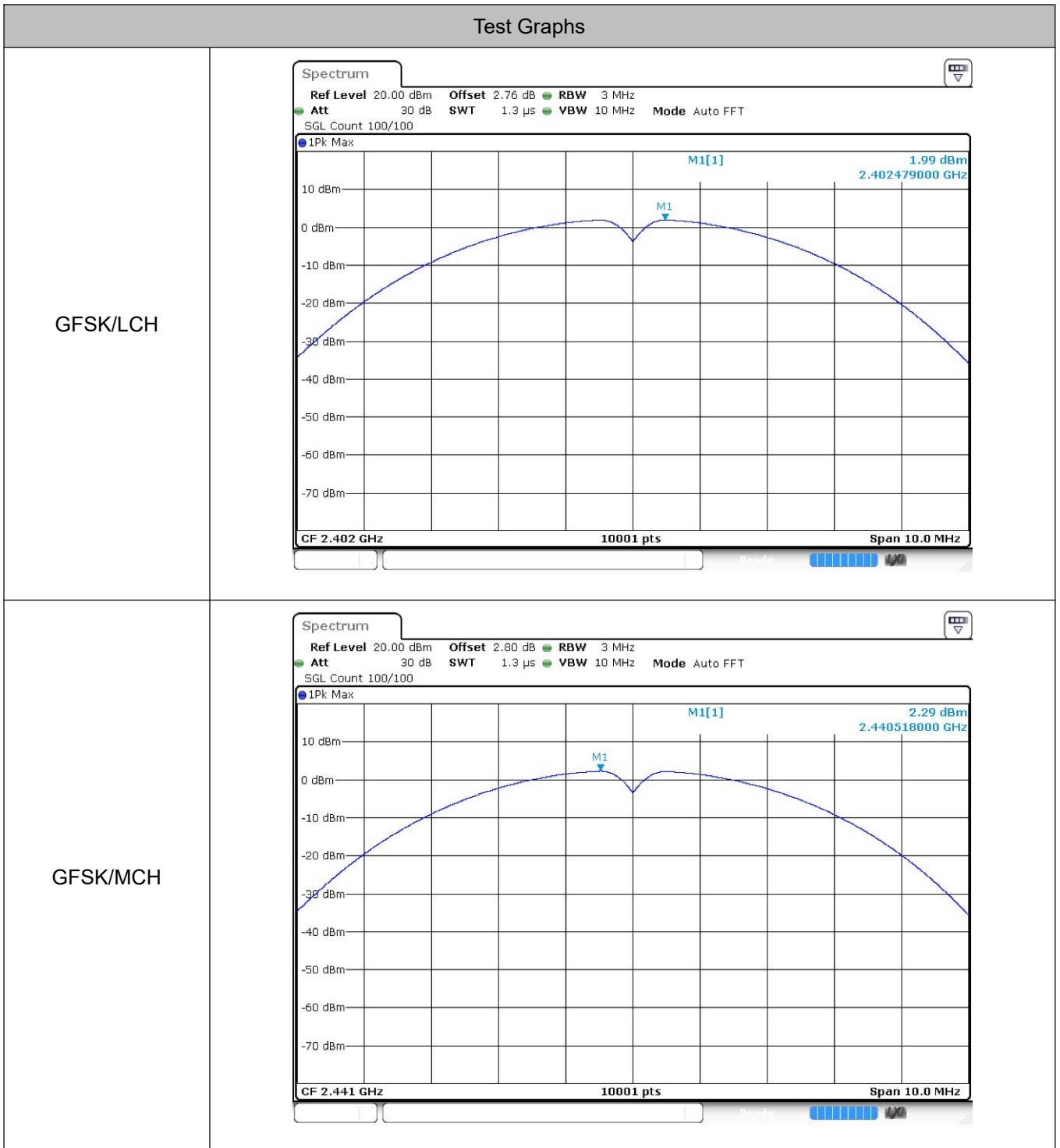


2 Maximum Conducted Peak Output Power

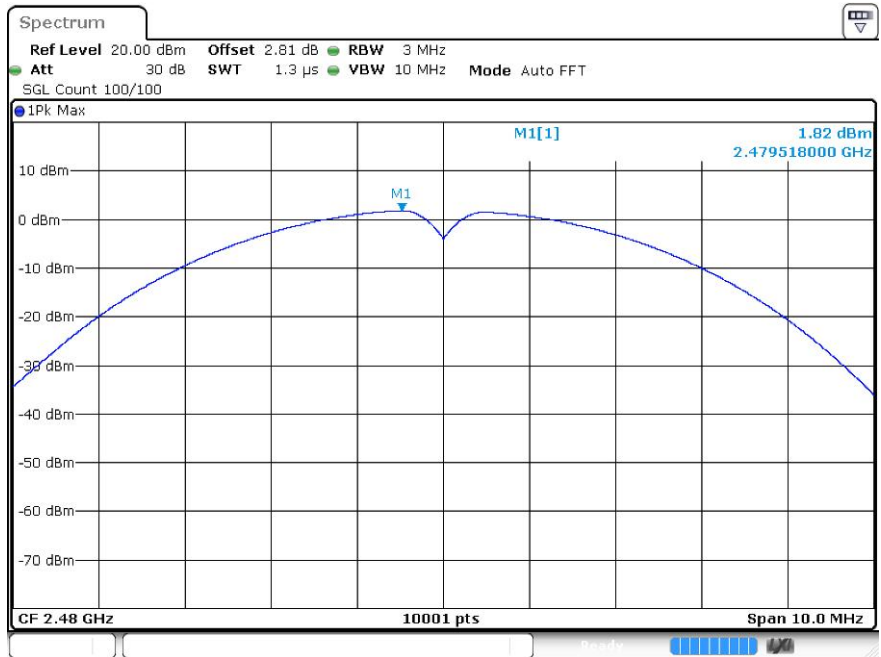
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	1.99	21	Pass
	MCH	2.29	21	Pass
	HCH	1.82	21	Pass
$\pi/4$ DQPSK	LCH	3.04	21	Pass
	MCH	3.31	21	Pass
	HCH	2.61	21	Pass
8DPSK	LCH	3.24	21	Pass
	MCH	2.98	21	Pass
	HCH	2.68	21	Pass

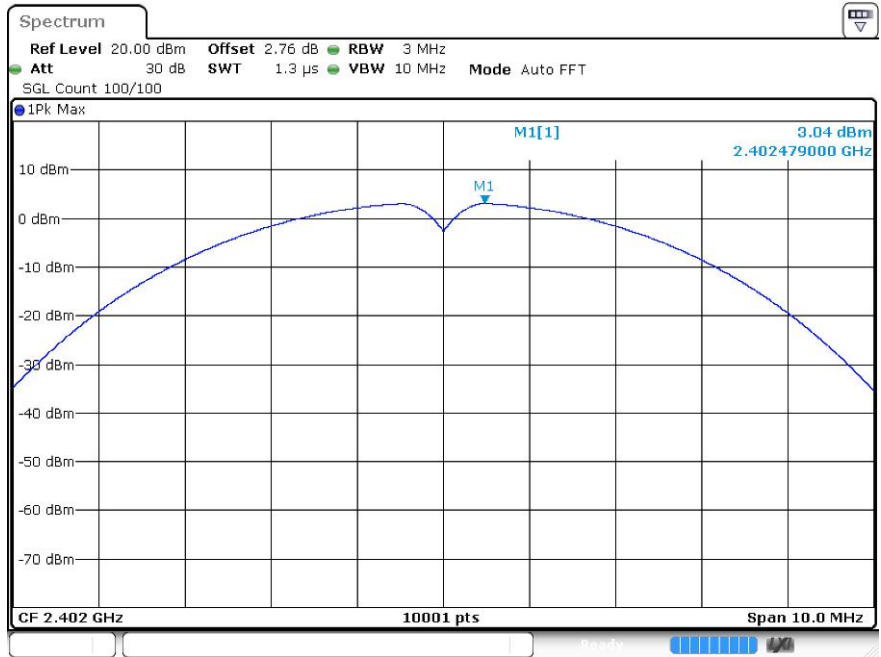
2.2 Test Graphs

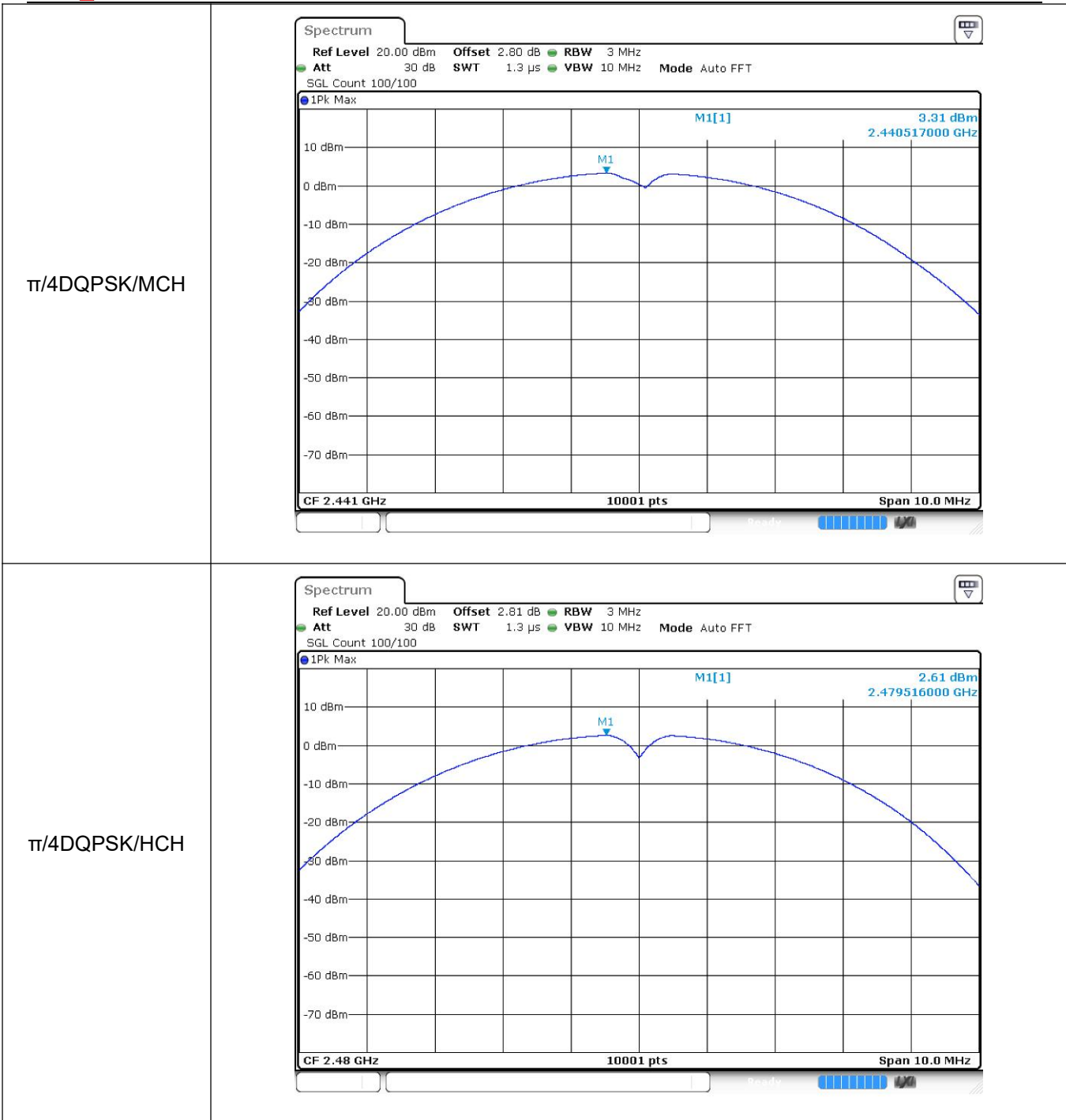


GFSK/HCH

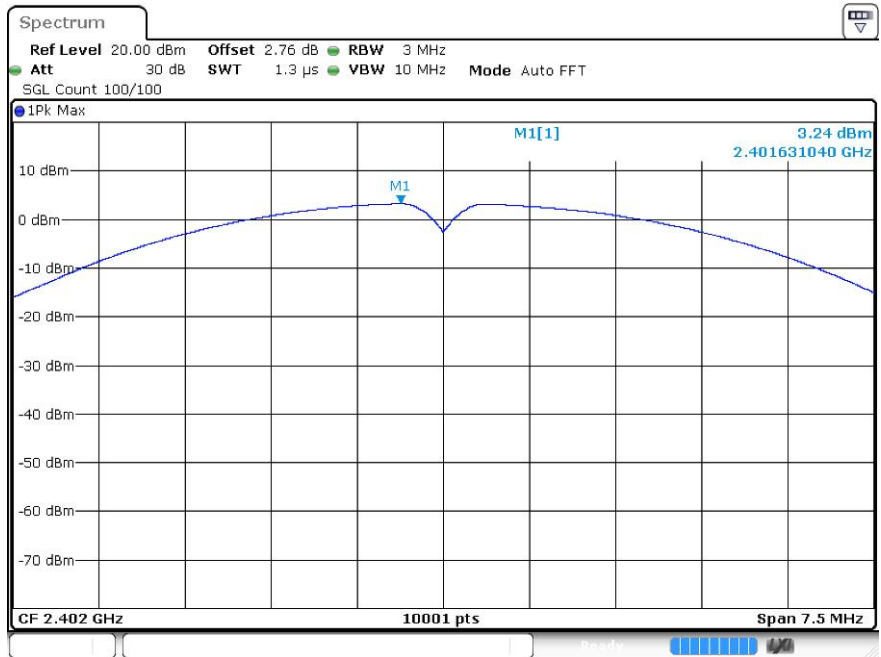


π /4DQPSK/LCH

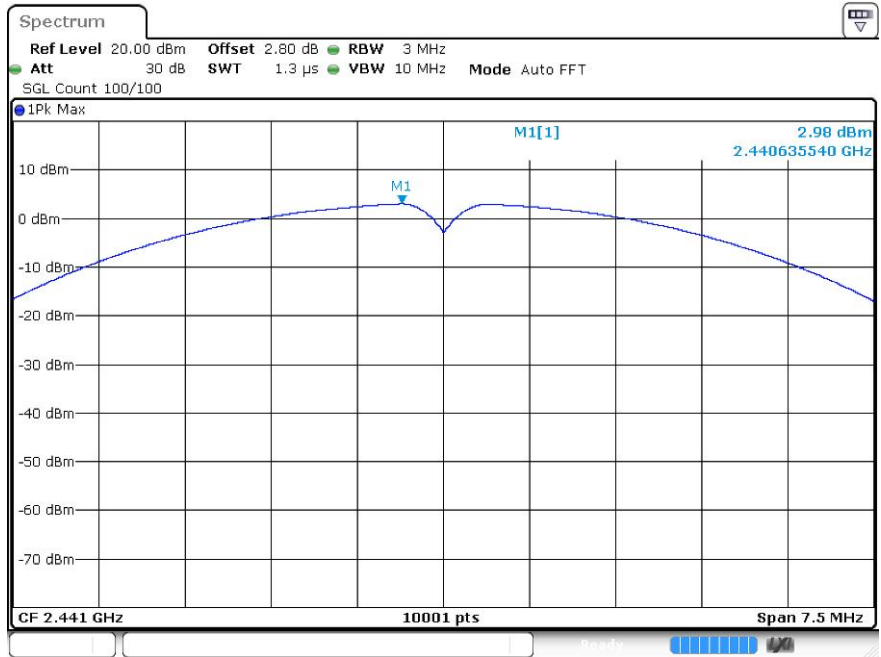




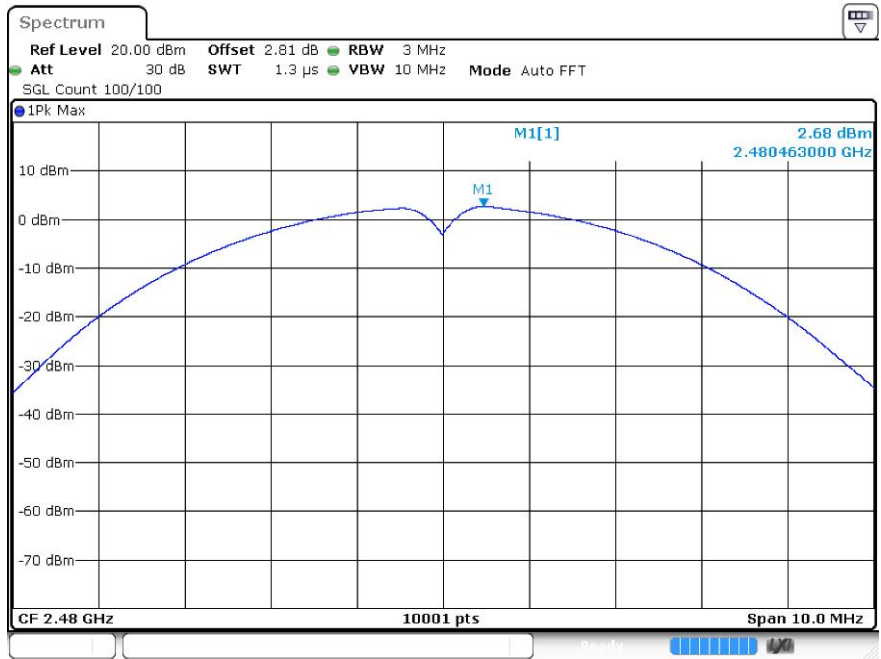
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

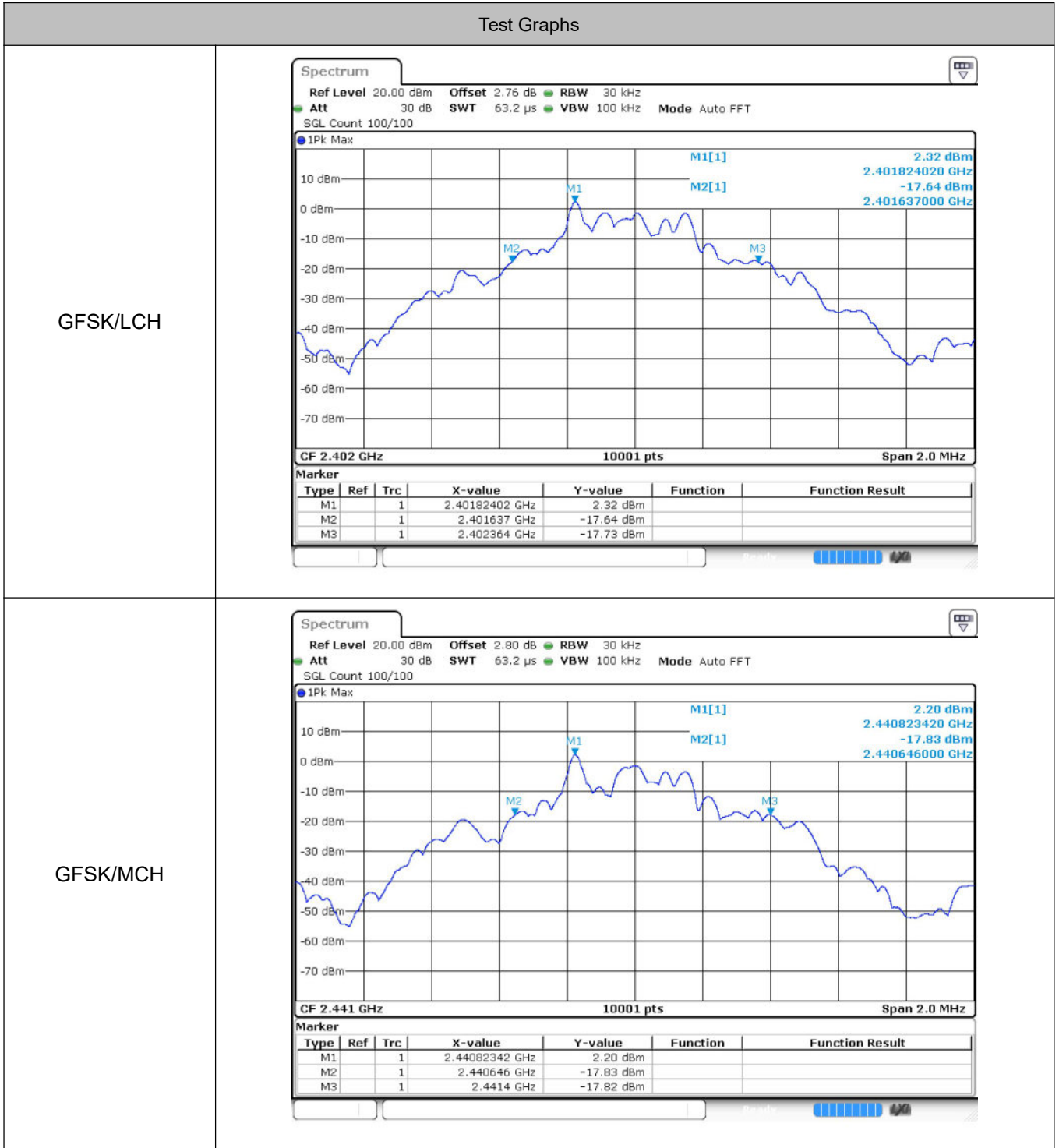


3 20dB Bandwidth

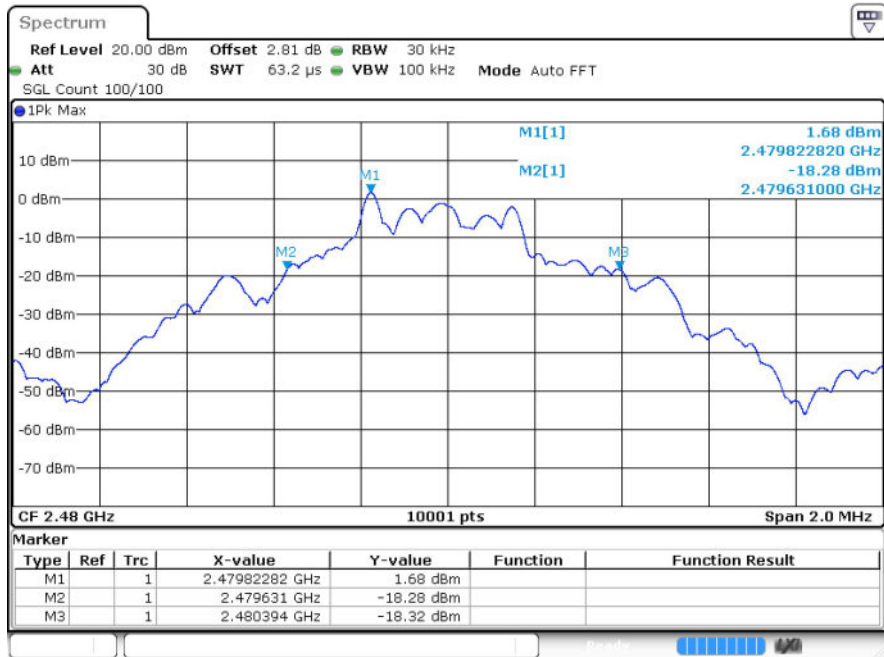
3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.727	Not Specified	Pass
	MCH	0.754	Not Specified	Pass
	HCH	0.763	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.108	Not Specified	Pass
	MCH	1.095	Not Specified	Pass
	HCH	1.109	Not Specified	Pass
8DPSK	LCH	1.151	Not Specified	Pass
	MCH	1.047	Not Specified	Pass
	HCH	1.15	Not Specified	Pass

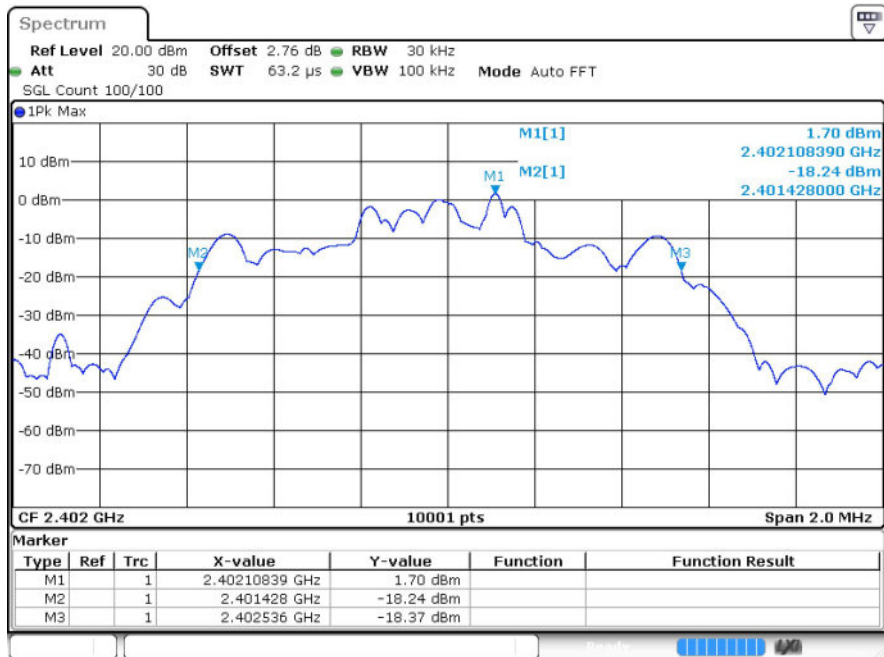
3.2 Test Graphs



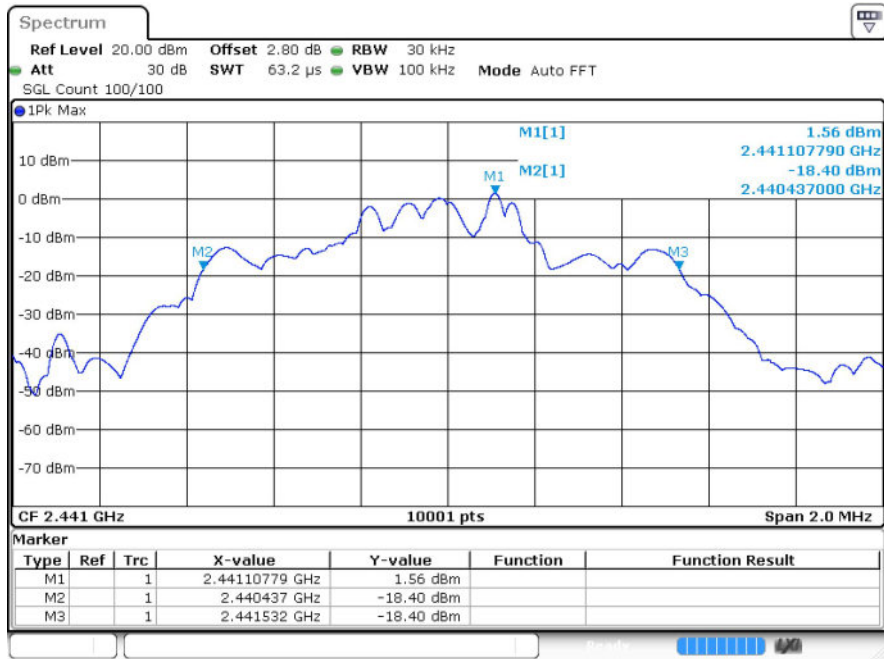
GFSK/HCH



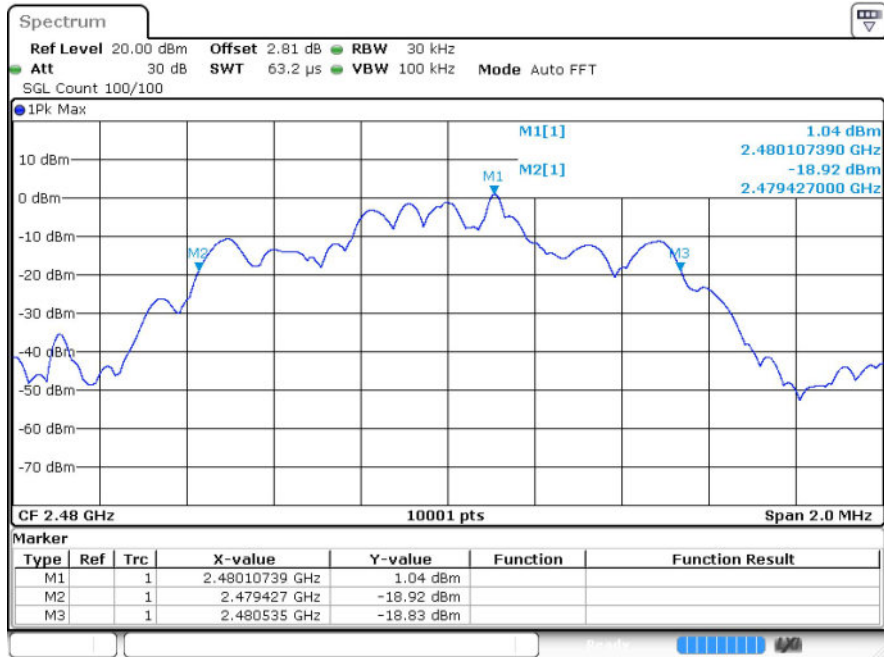
$\pi/4$ DQPSK/LCH



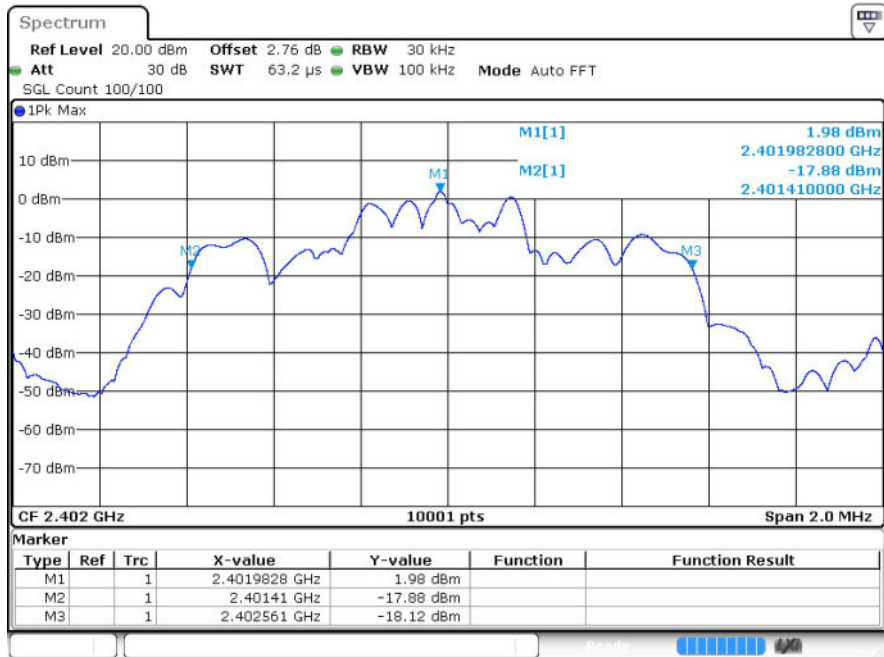
$\pi/4$ DQPSK/MCH



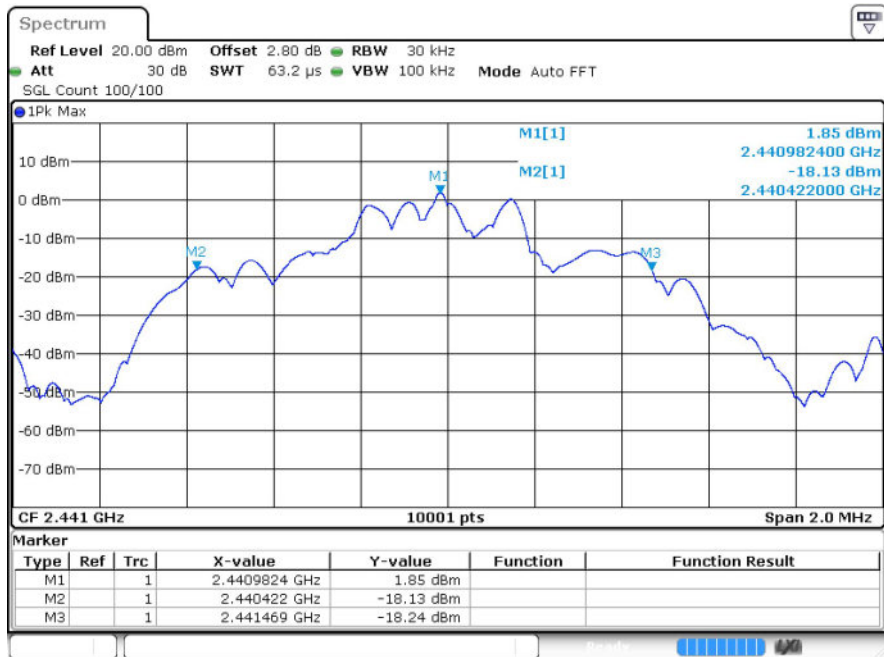
$\pi/4$ DQPSK/HCH



8DPSK/LCH

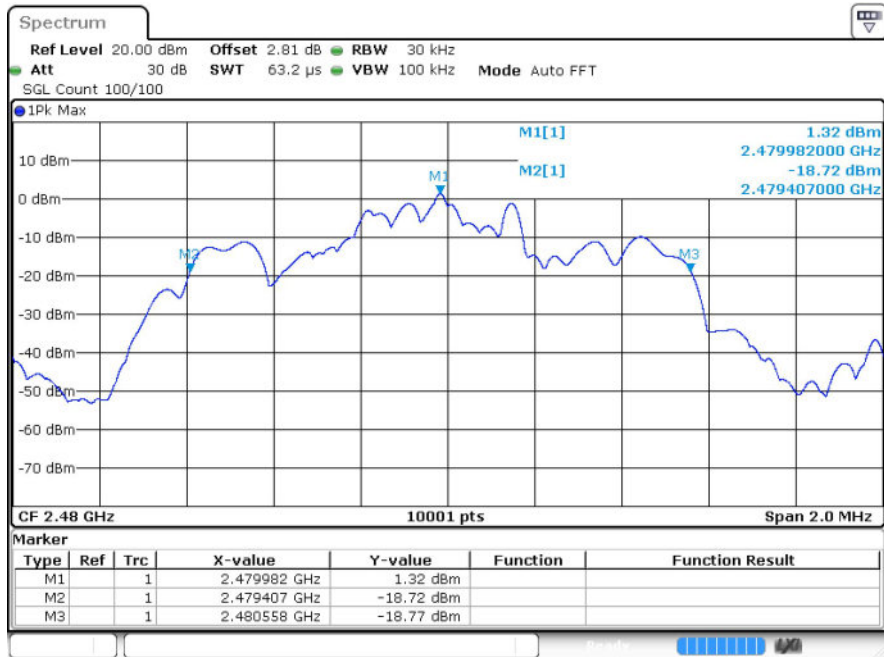


8DPSK/MCH





8DPSK/HCH

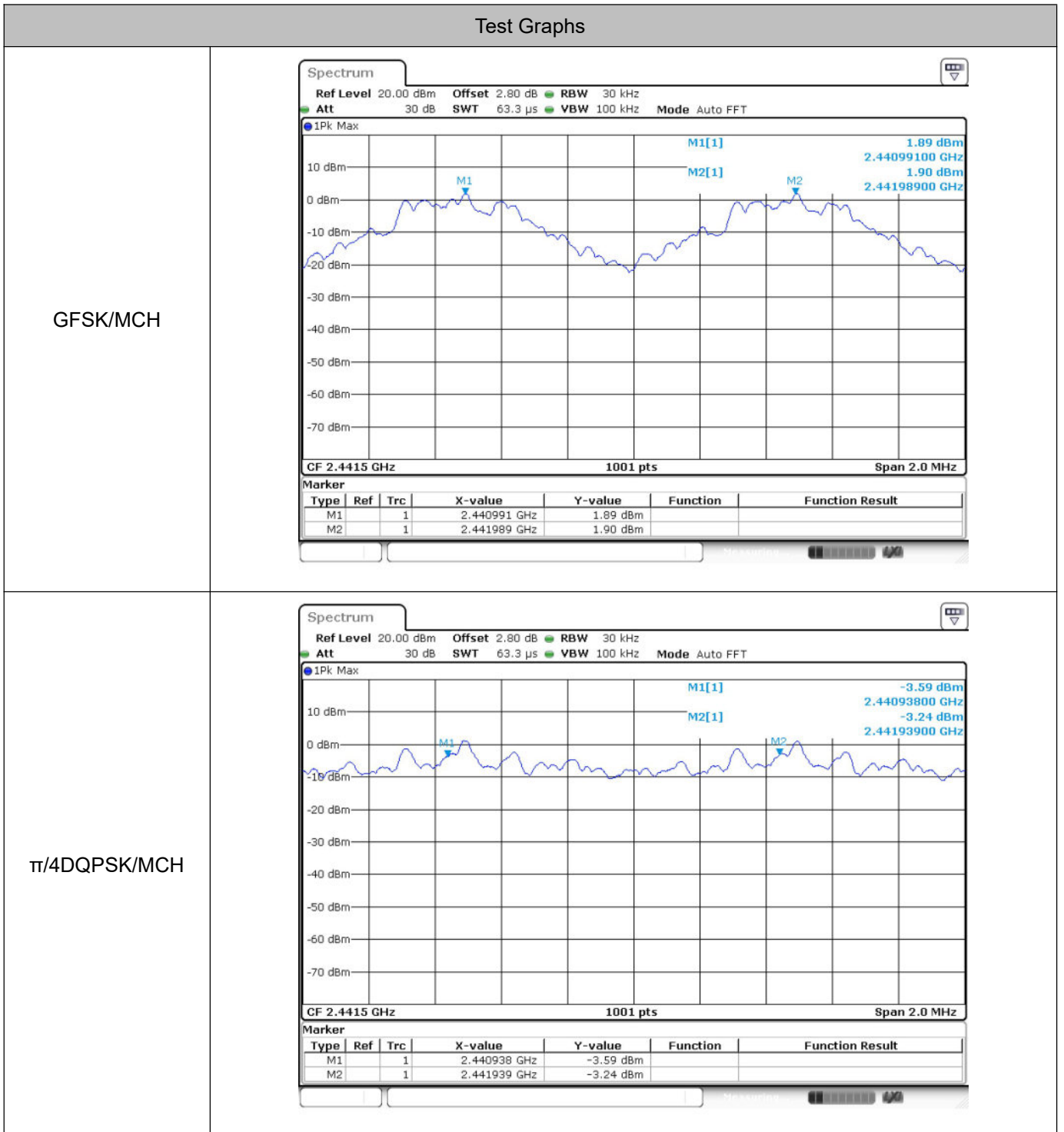


4 Carrier Frequency Separation

4.1 Test Result

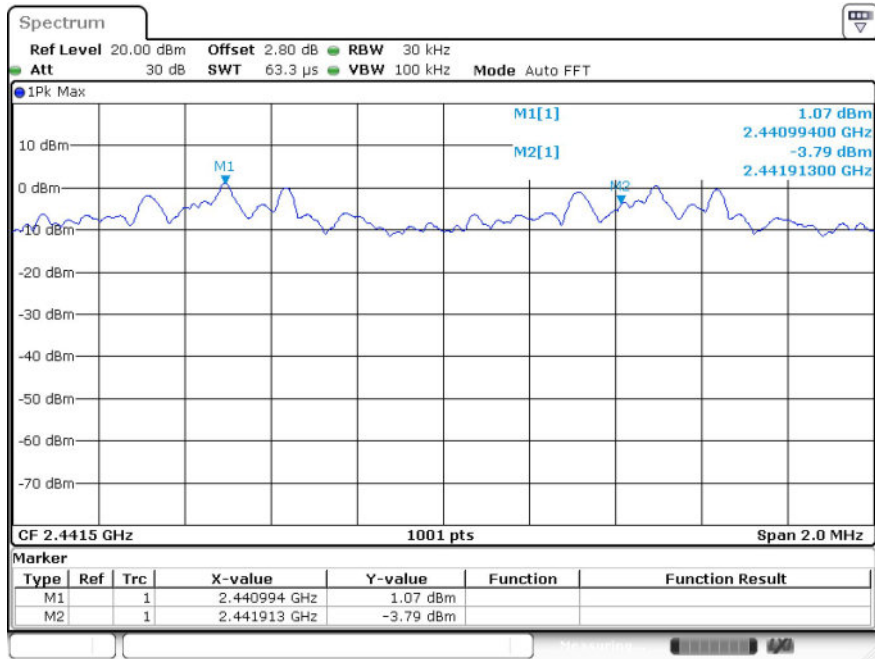
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.998	0.503	Pass
$\pi/4$ DQPSK	MCH	1.001	0.73	Pass
8DPSK	MCH	0.919	0.698	Pass

4.2 Test Graphs





8DPSK/MCH

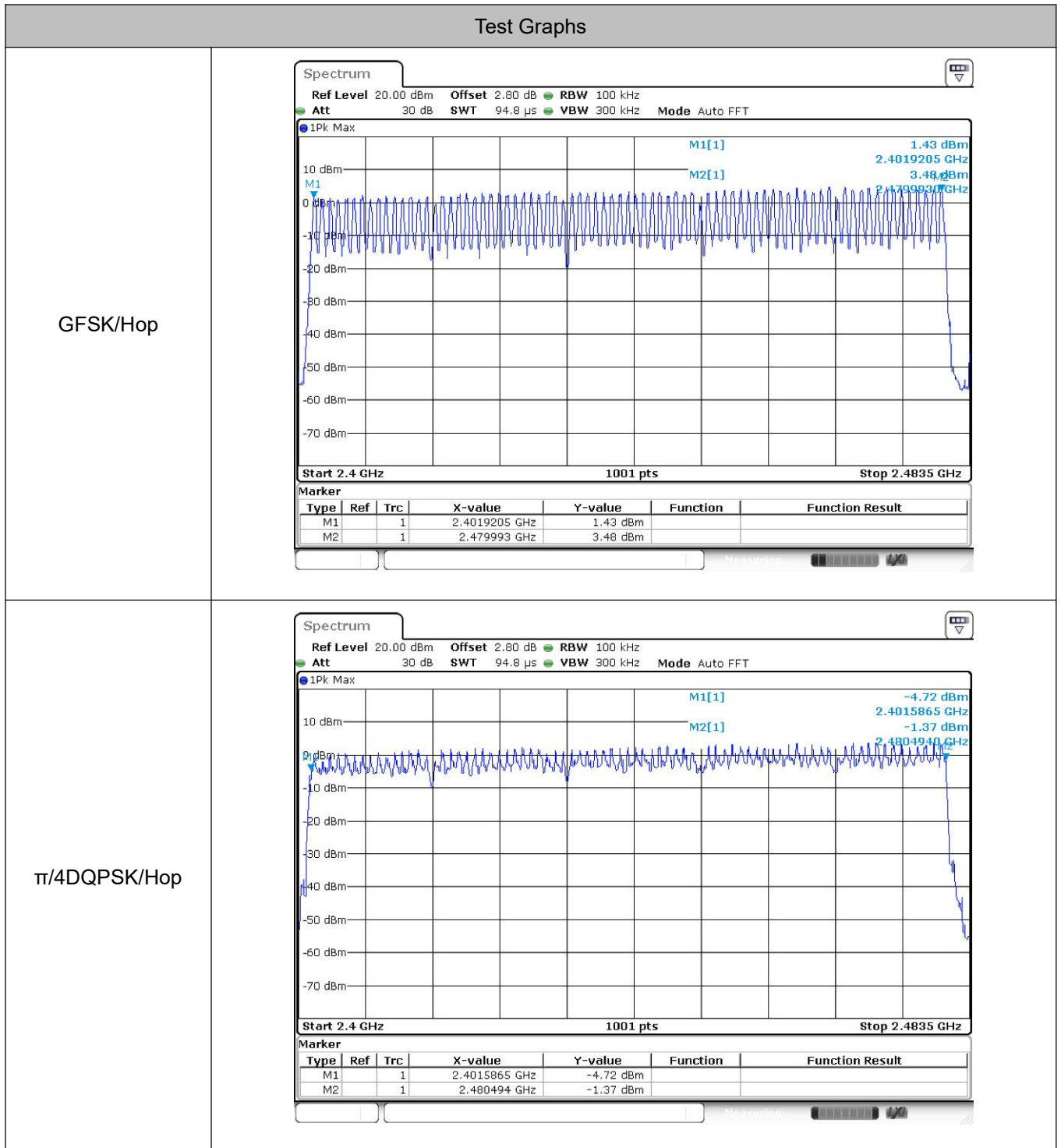


5 Hopping Channel Number

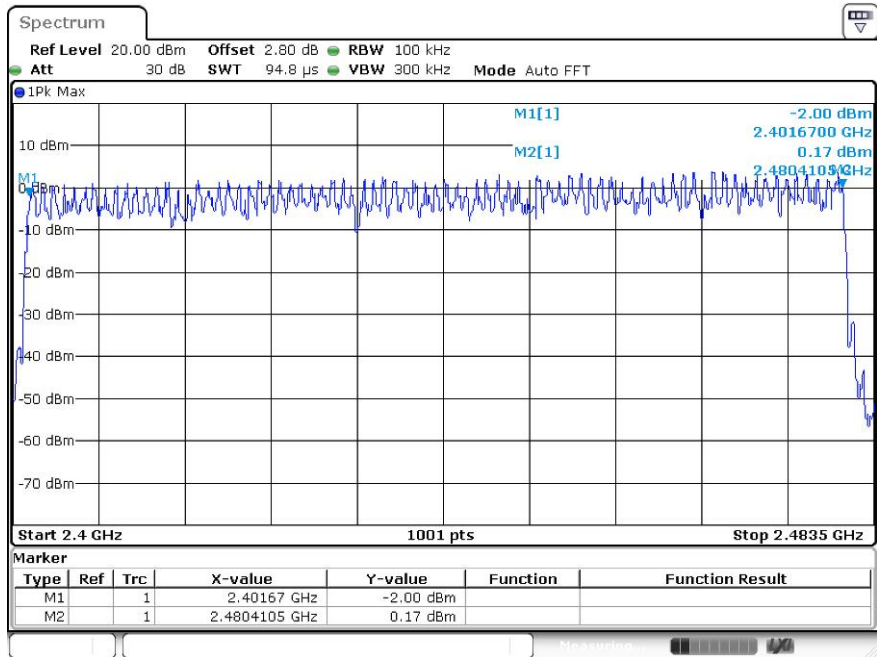
5.1 Test Result

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

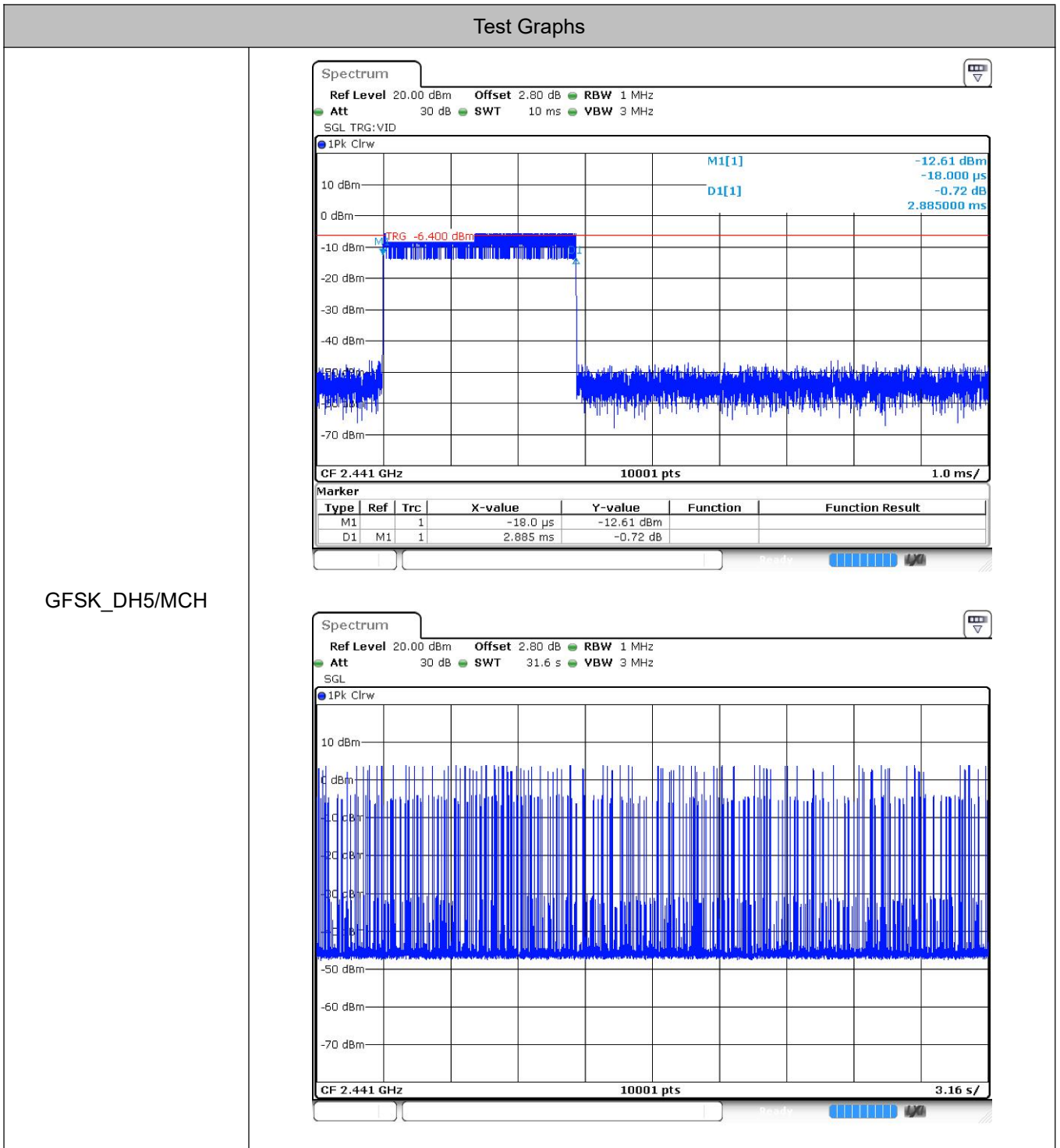


6 Dwell Time

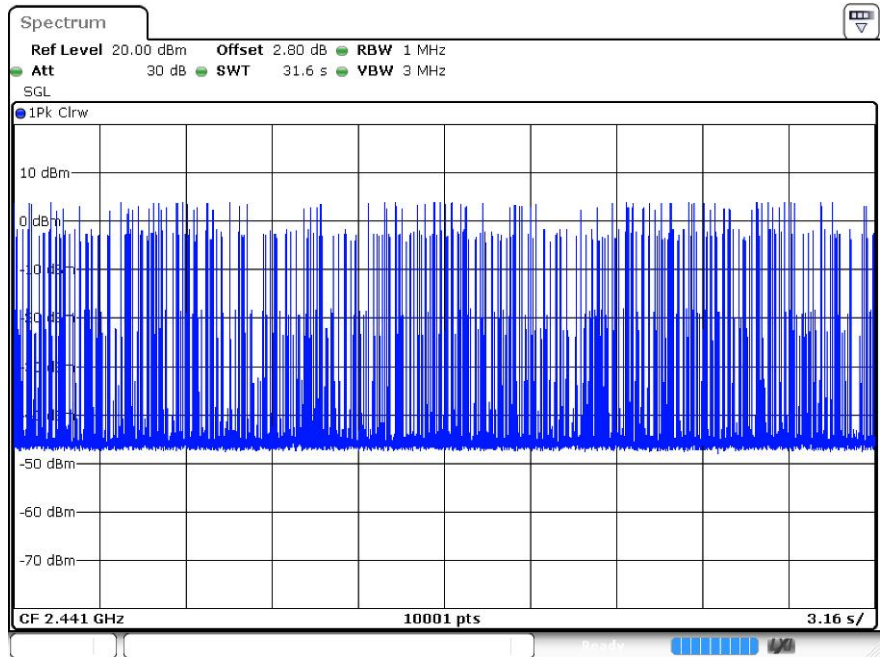
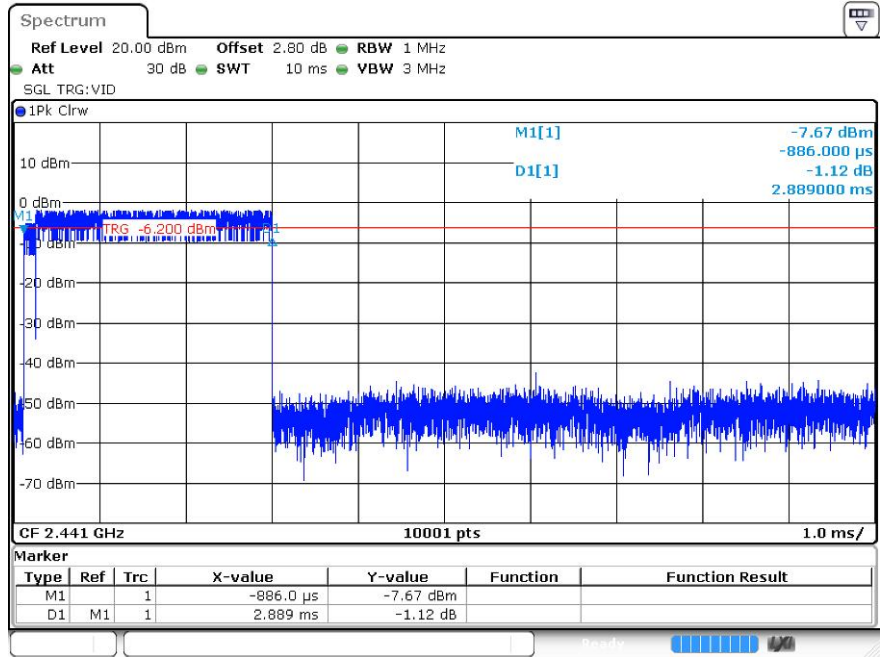
6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.885	111	320.235	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.889	100	288.9	0.4	Pass
8DPSK	3DH5	MCH	2.891	116	335.356	0.4	Pass

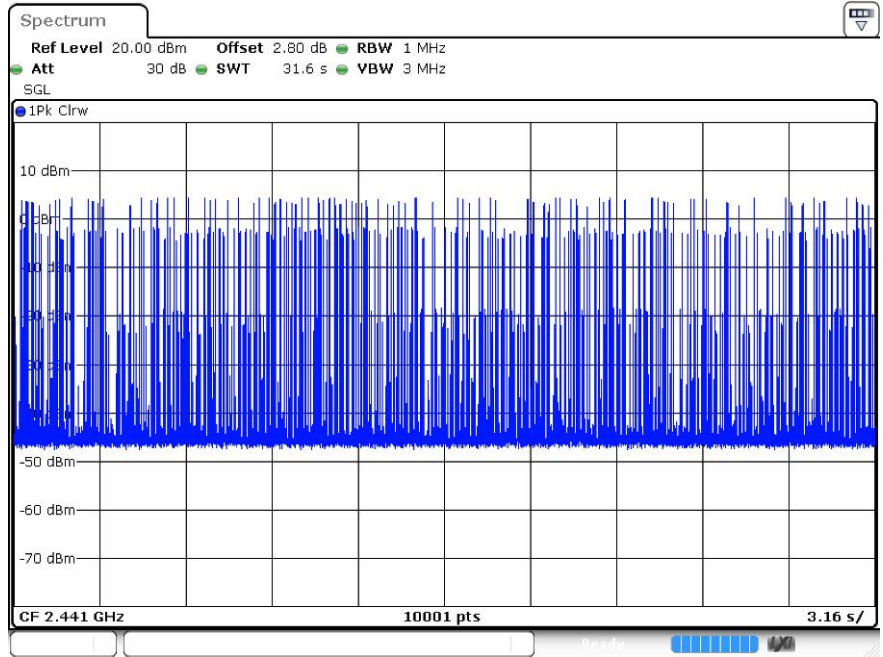
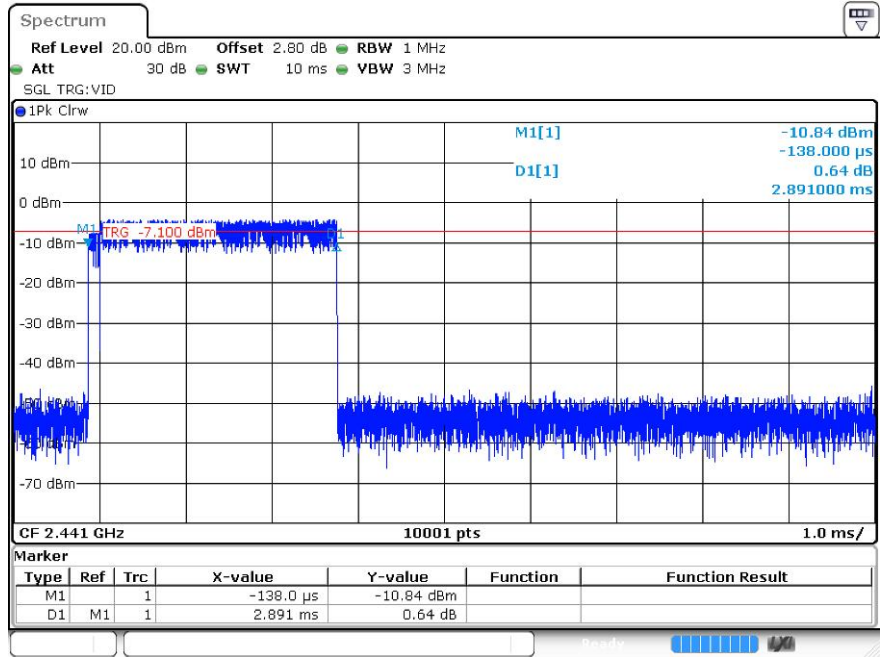
6.2 Test Graphs



$\pi/4$ DQPSK
_2DH5/MCH



8DPSK_3DH5/MCH

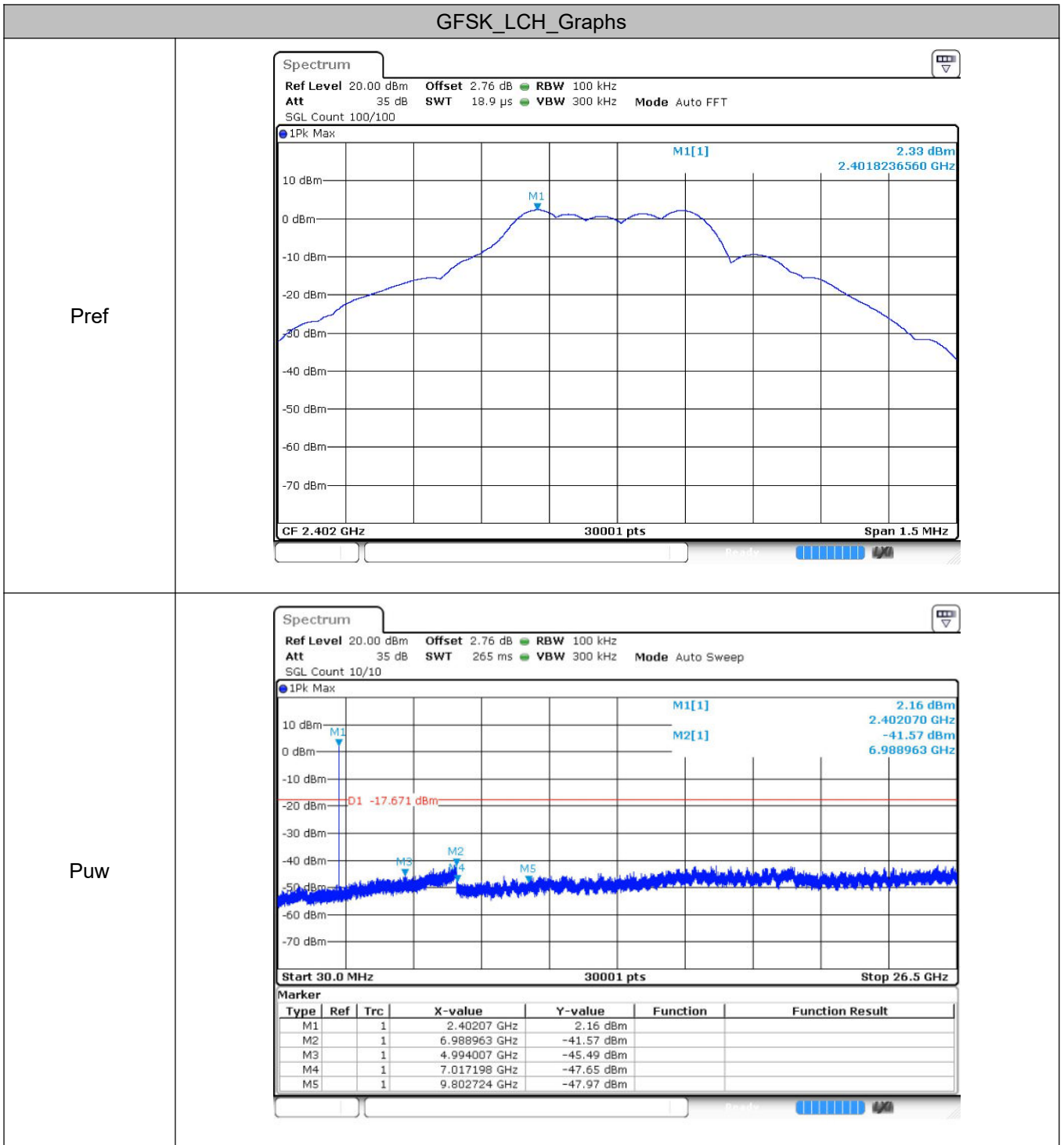


7 RF Conducted Spurious Emissions

7.1 Test Result

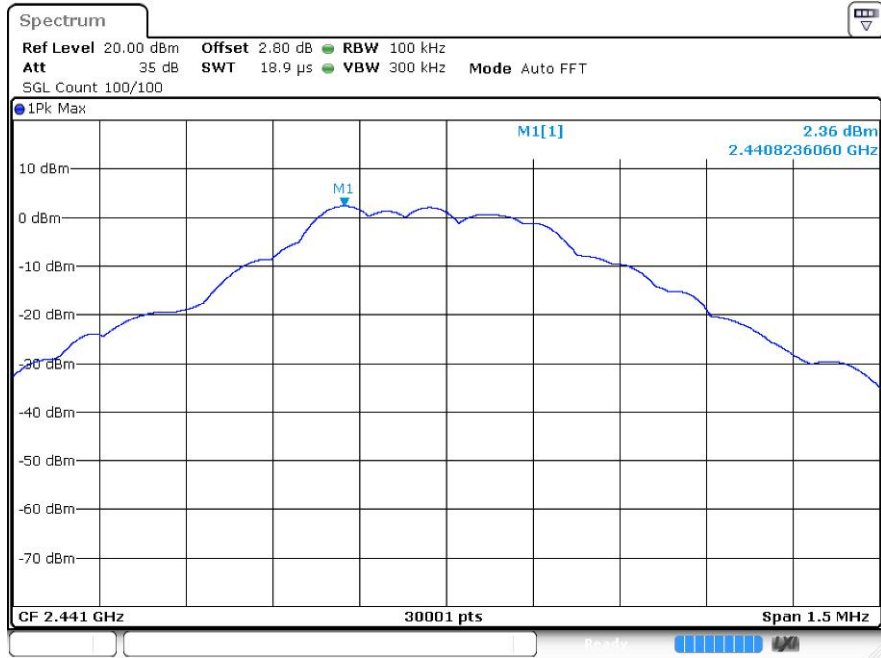
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-43.9	-20	Pass
	MCH	-43.64	-20	Pass
	HCH	-43.43	-20	Pass
$\pi/4$ DQPSK	LCH	-44.18	-20	Pass
	MCH	-43.82	-20	Pass
	HCH	-42.77	-20	Pass
8DPSK	LCH	-43.86	-20	Pass
	MCH	-43.9	-20	Pass
	HCH	-43.3	-20	Pass

7.2 Test Graphs

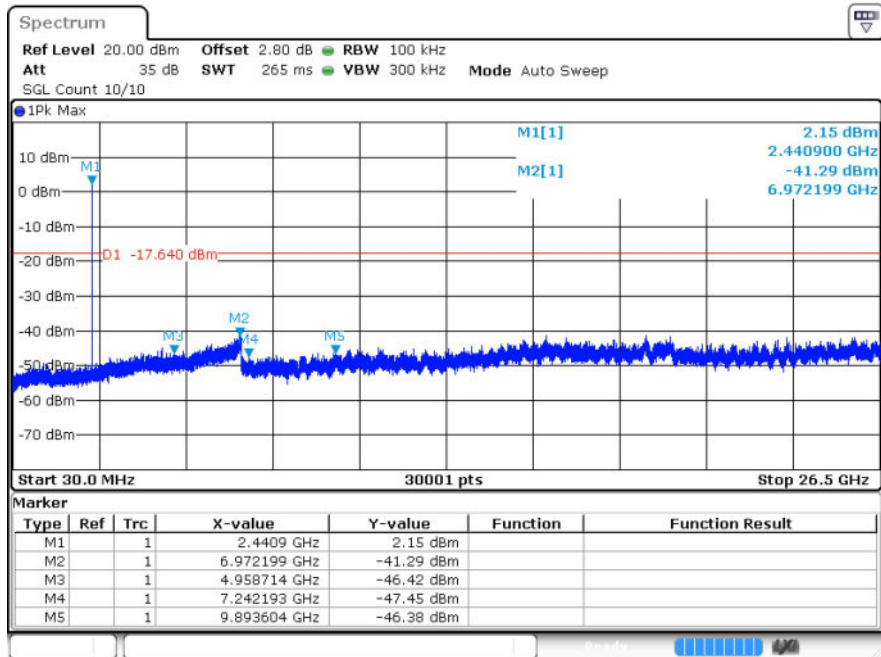


GFSK_MCH_Graphs

Pref

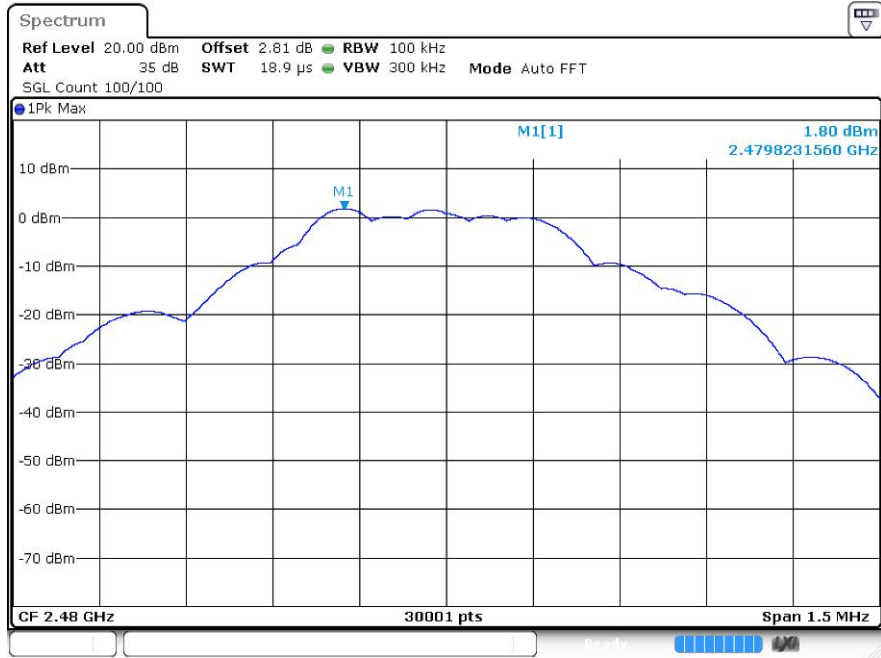


Puw

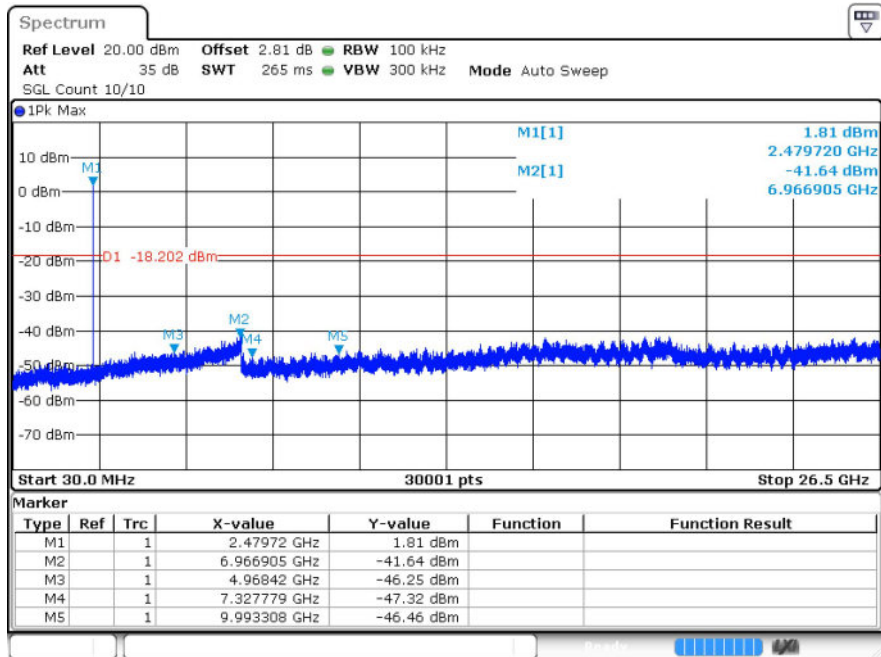


GFSK_HCH_Graphs

Pref

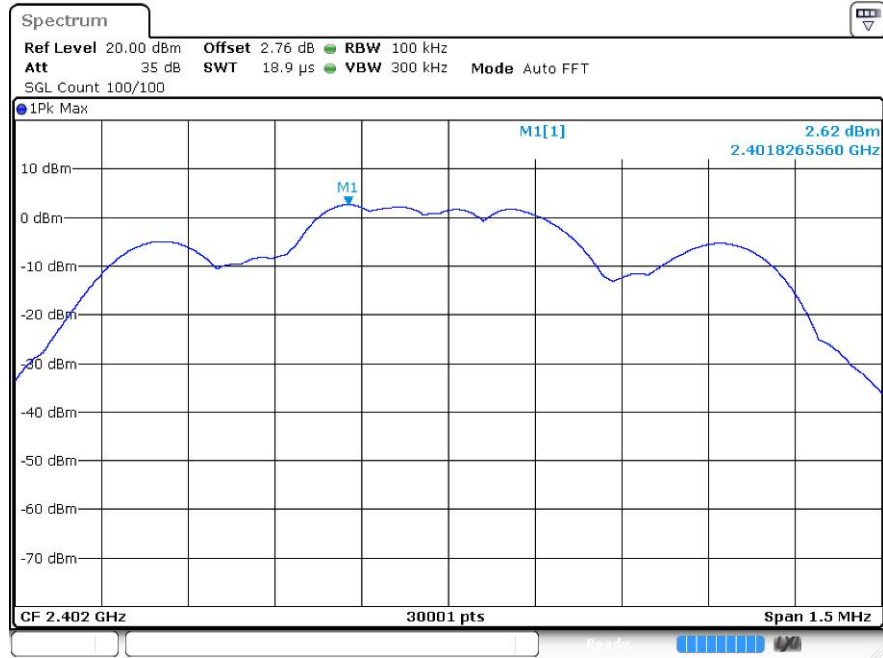


Puw



$\pi/4$ DQPSK_LCH_Graphs

Pref



Puw

