

Appendix A

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

Product Name: Tablet

Trade Mark: Blackview

Test Model: Tab 70 WiFi

Environmental Conditions

Temperature:	25.8℃
Relative Humidity:	52.3%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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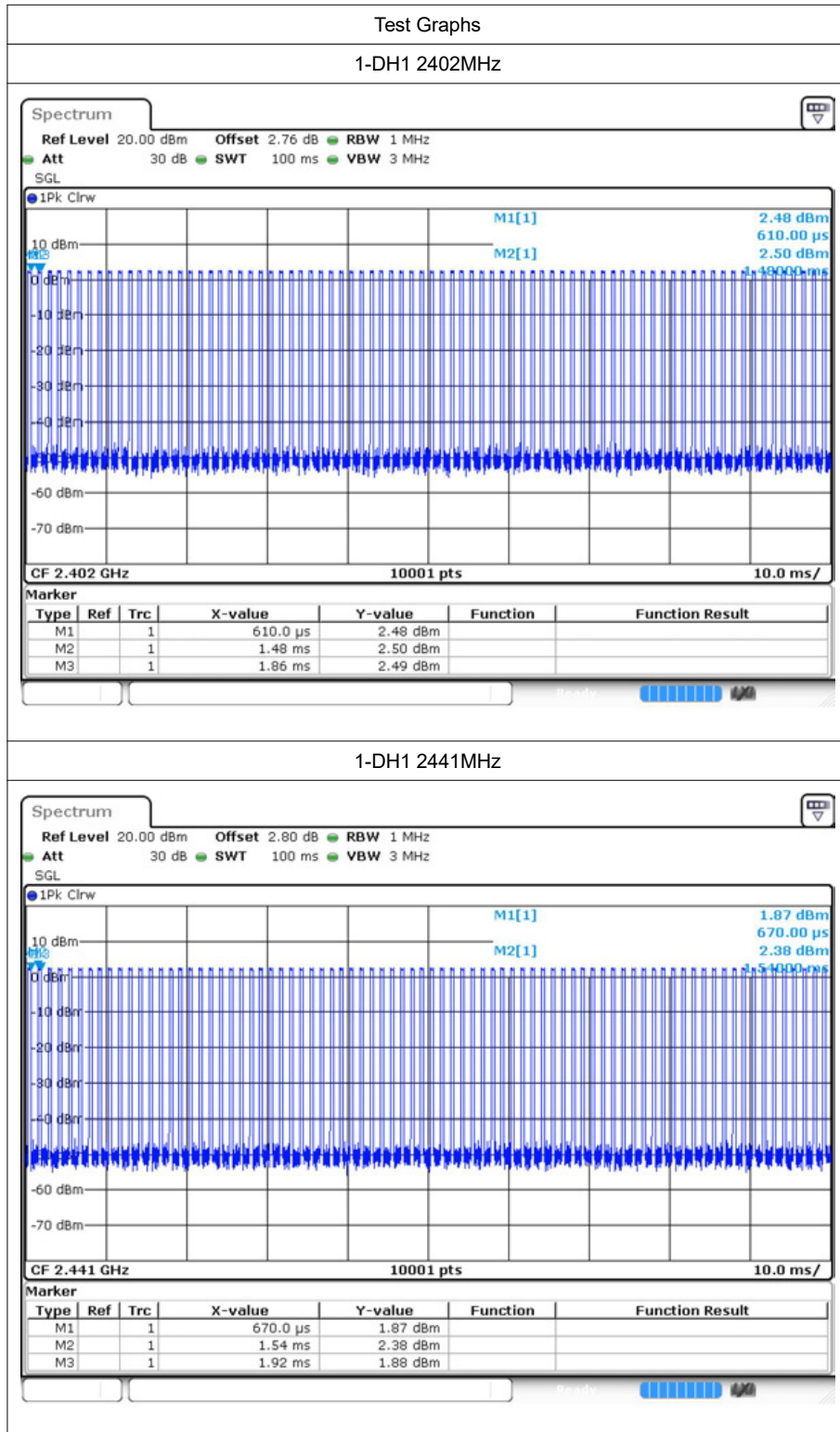
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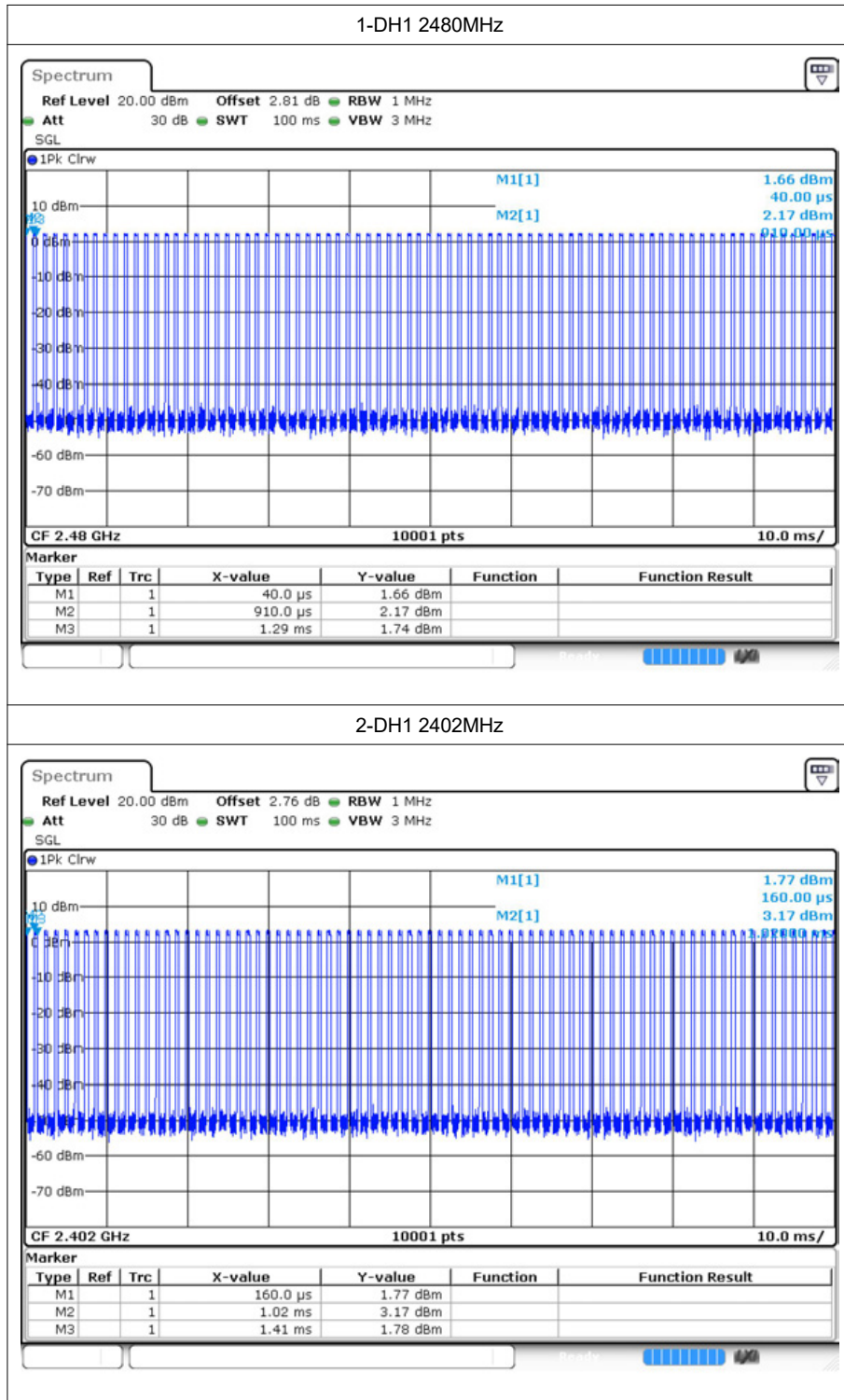
1 Duty Cycle

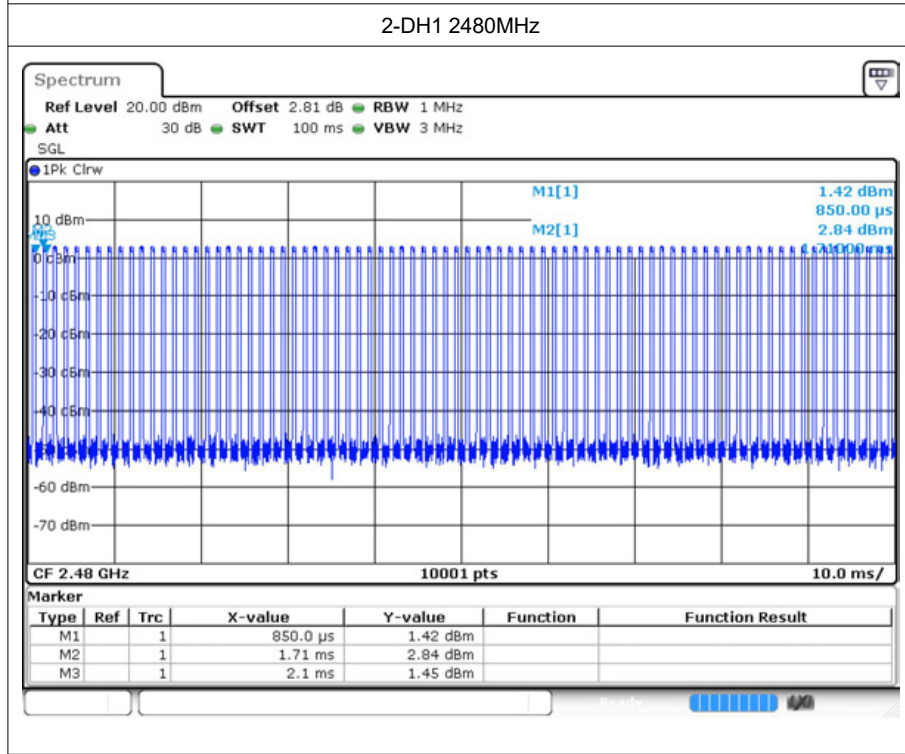
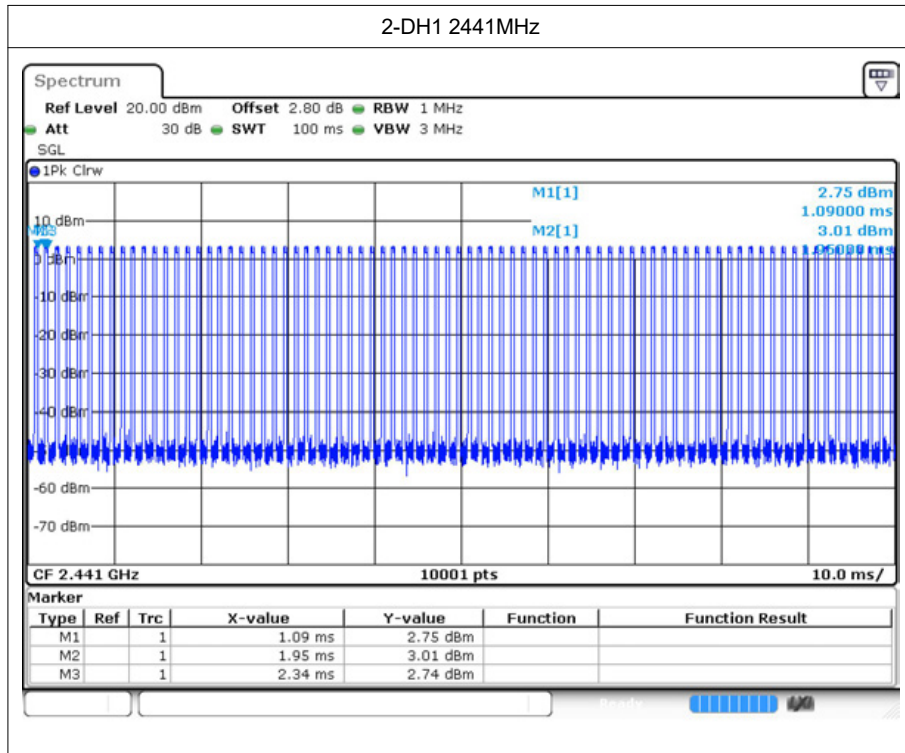
1.1 Test Result

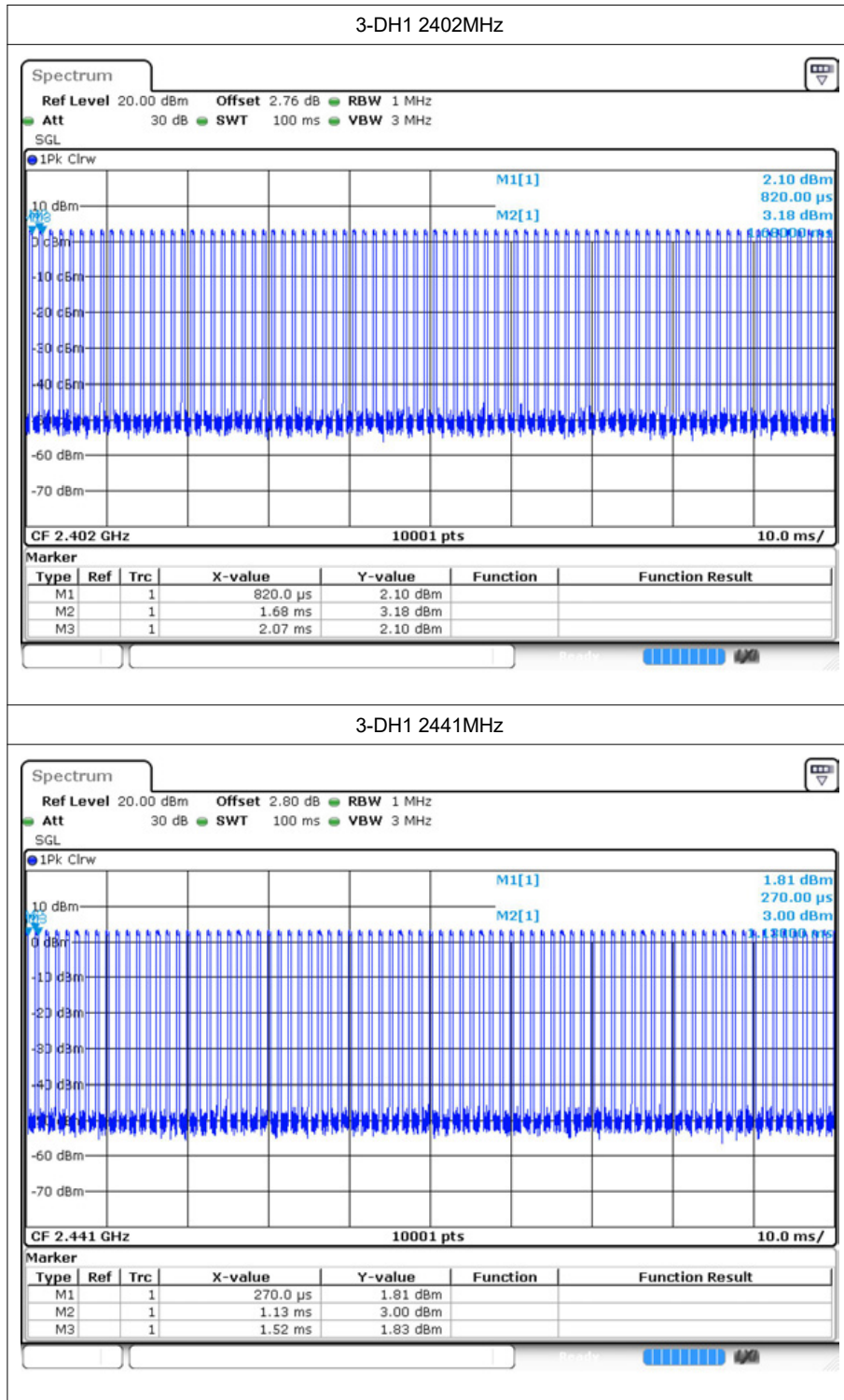
Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	31.2	2.63
1-DH1	2441	31.2	2.63
1-DH1	2480	31.21	2.63
2-DH1	2402	32.01	2.56
2-DH1	2441	32	2.56
2-DH1	2480	32	2.56
3-DH1	2402	32	2.56
3-DH1	2441	32.01	2.56
3-DH1	2480	31.84	2.56

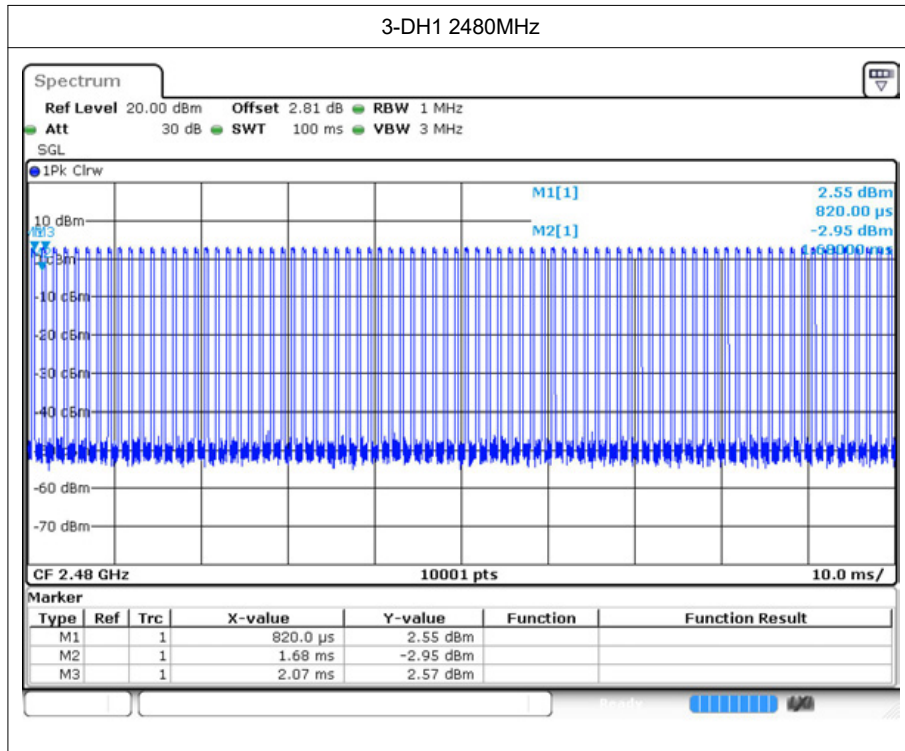
1.2 Test Graphs









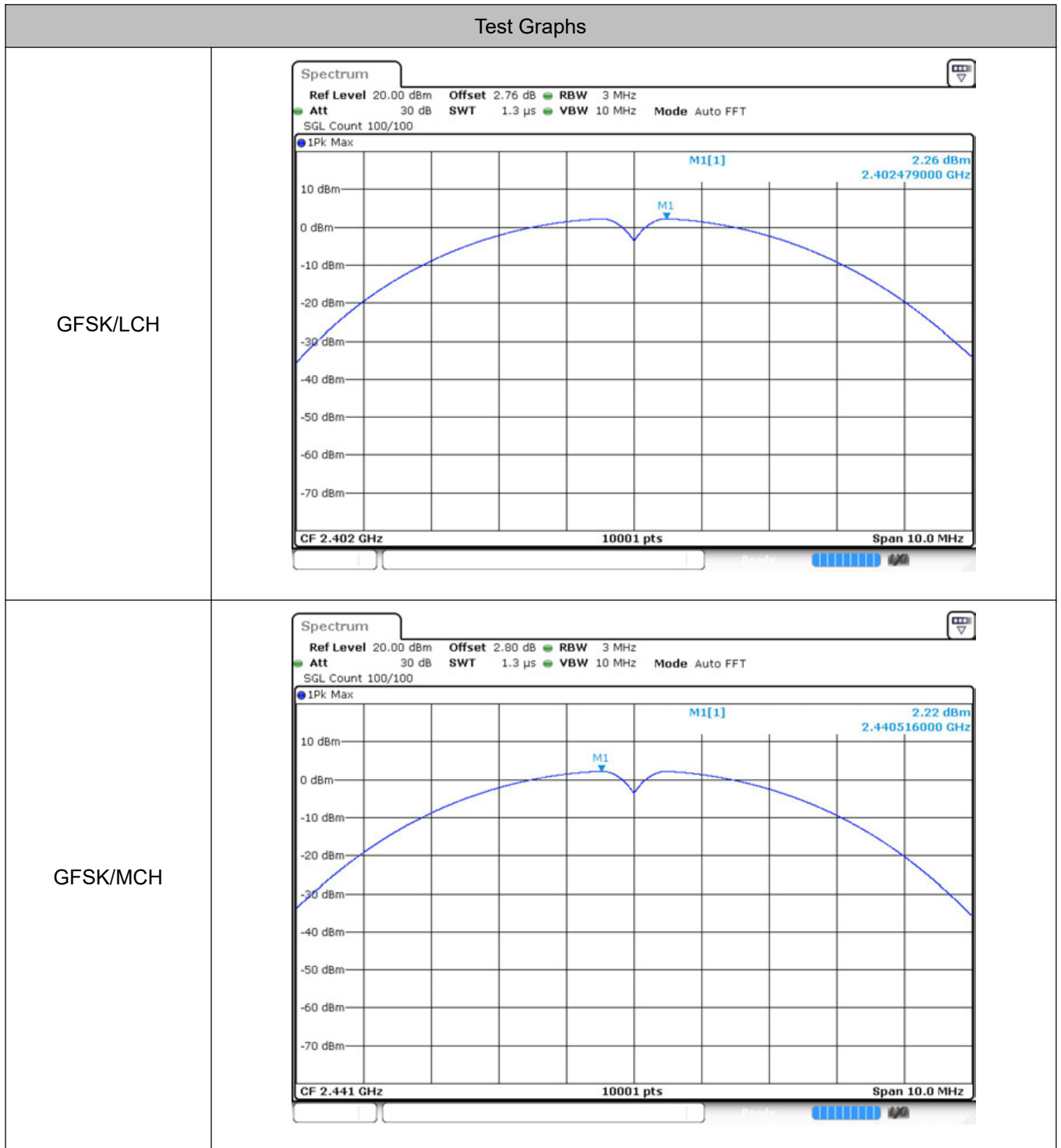


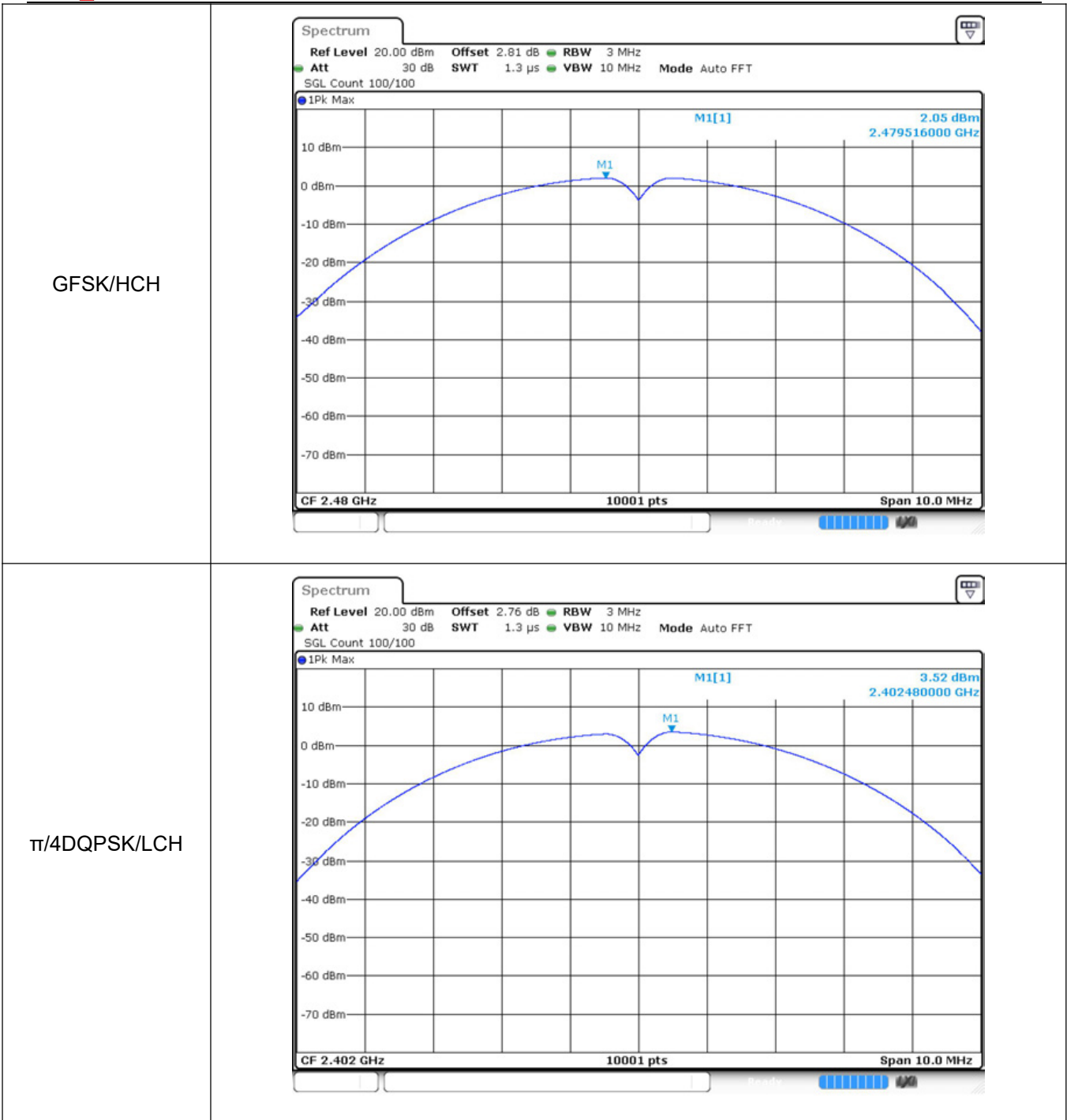
2 Maximum Conducted Peak Output Power

2.1 Test Result

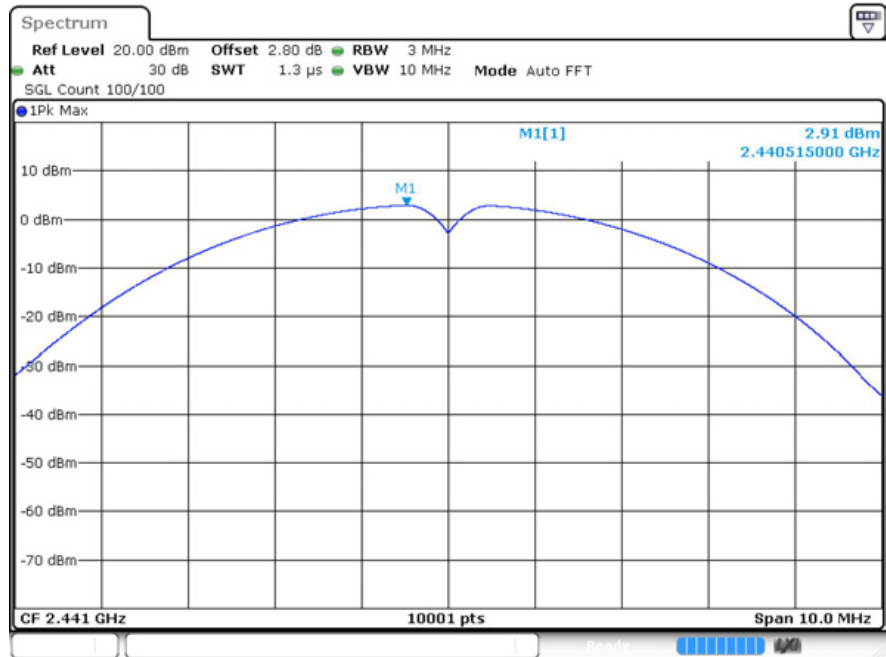
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2.26	21	Pass
	MCH	2.22	21	Pass
	HCH	2.05	21	Pass
$\pi/4$ DQPSK	LCH	3.52	21	Pass
	MCH	2.91	21	Pass
	HCH	2.63	21	Pass
8DPSK	LCH	3.24	21	Pass
	MCH	2.86	21	Pass
	HCH	2.62	21	Pass

2.2 Test Graphs

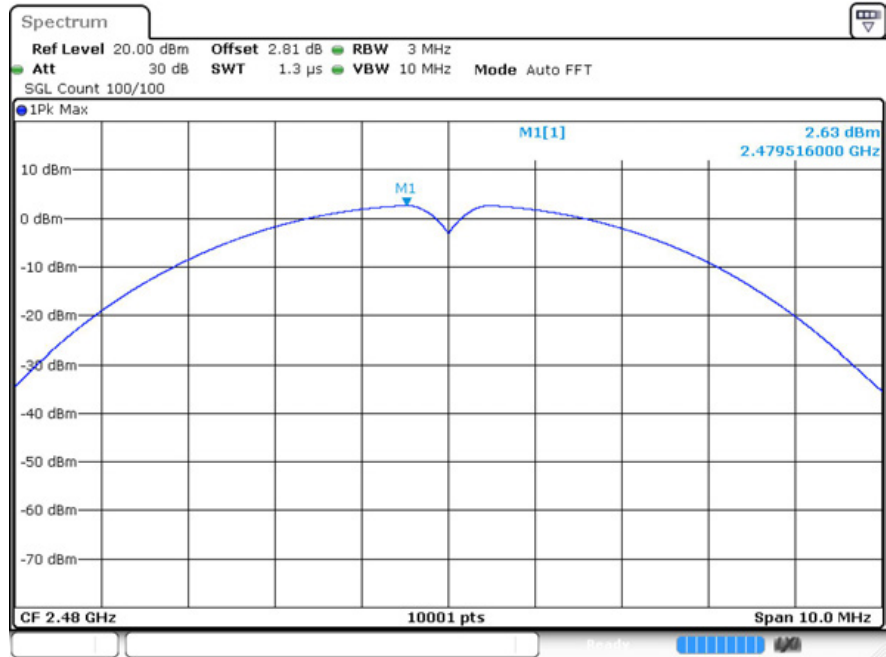


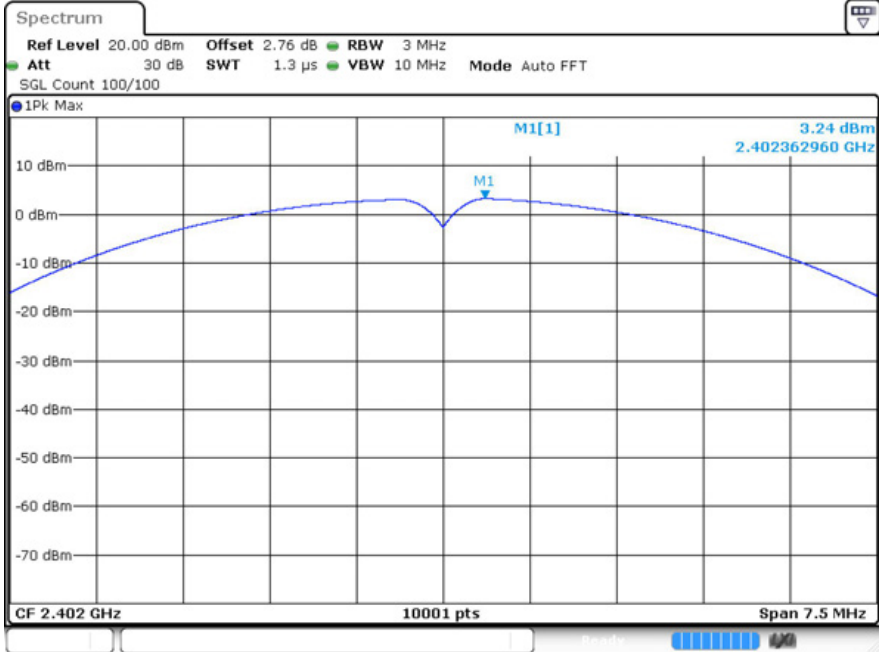
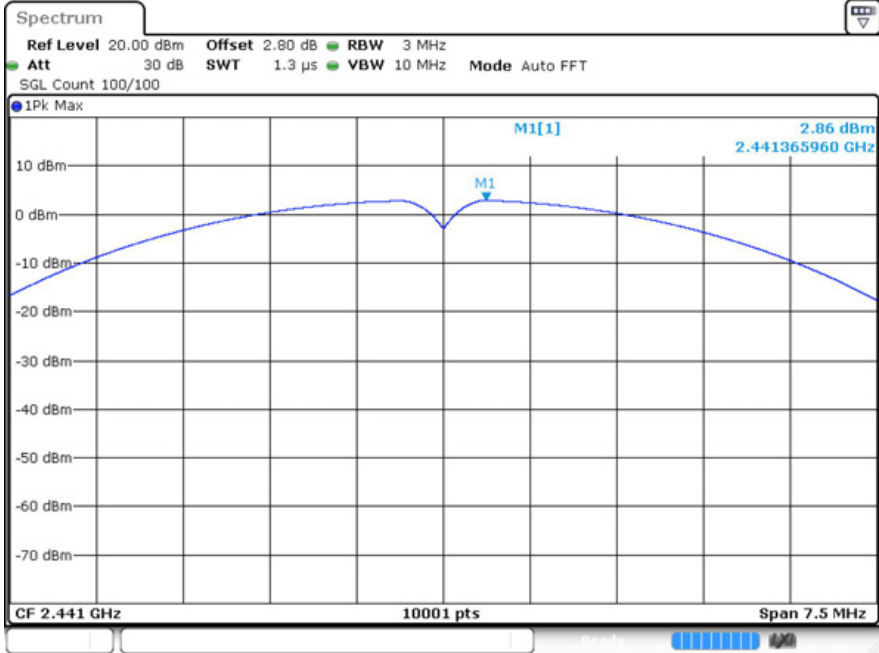


$\pi/4$ DQPSK/MCH

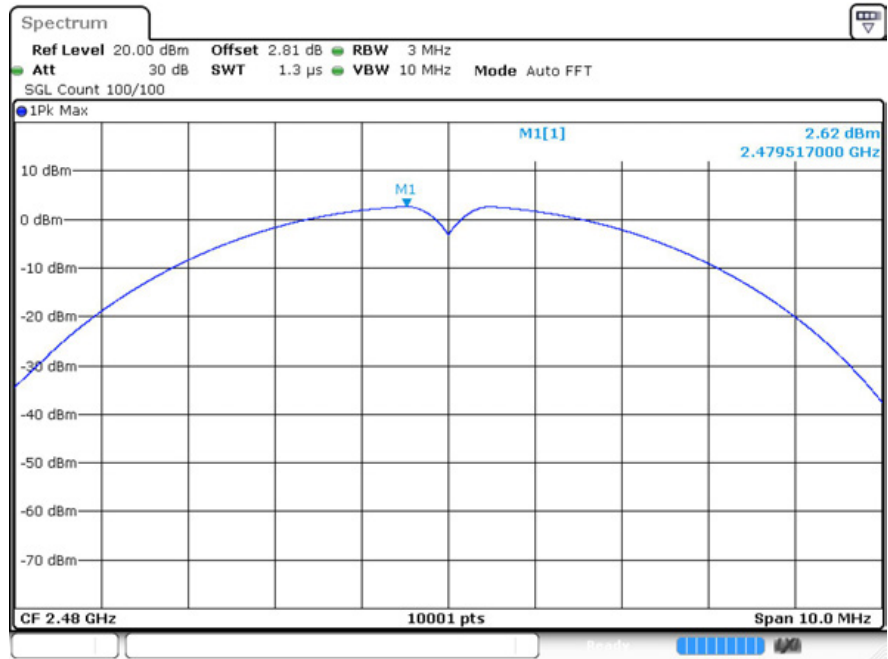


$\pi/4$ DQPSK/HCH



<p>8DPSK/LCH</p>	
<p>8DPSK/MCH</p>	

8DPSK/HCH

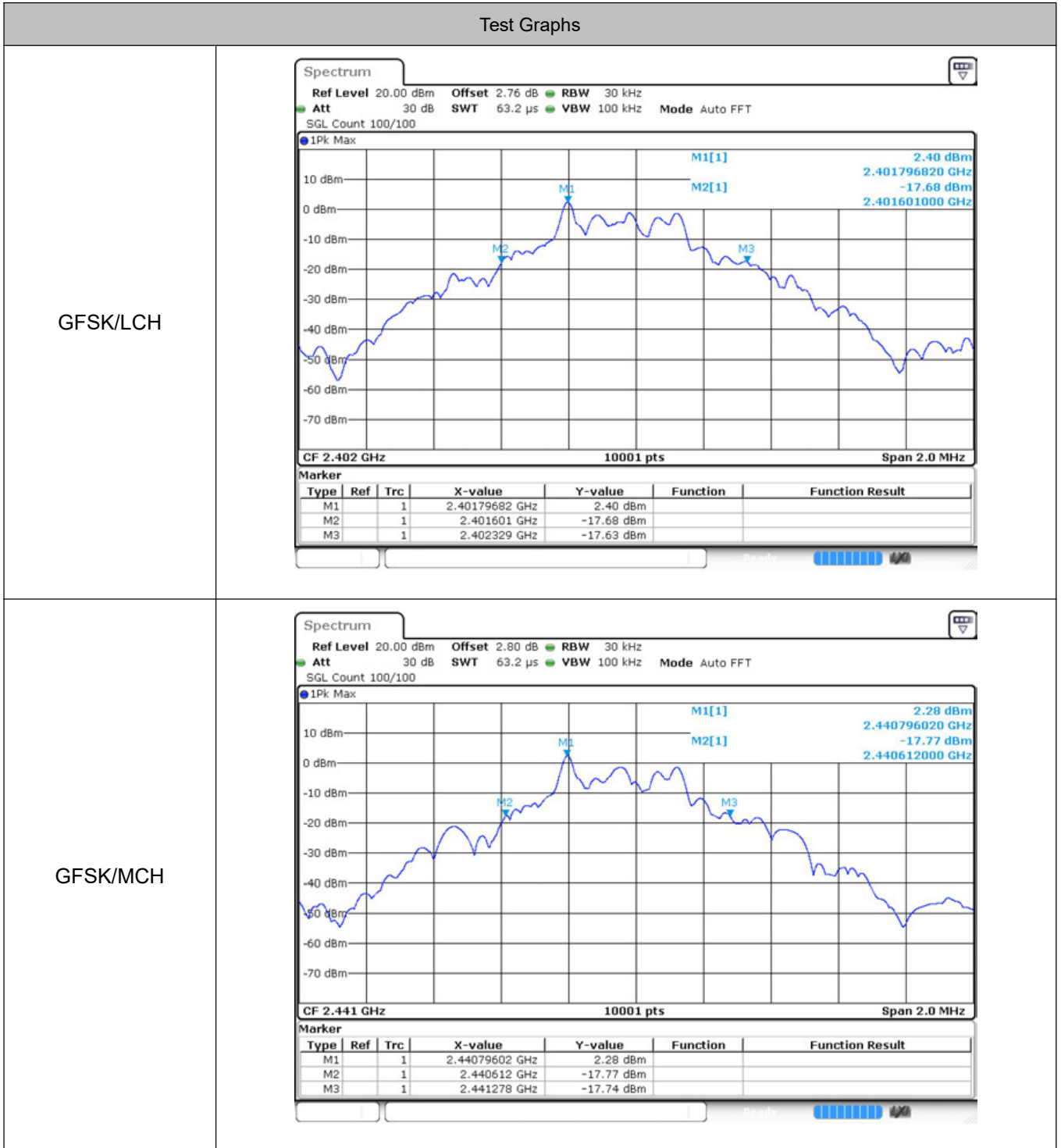


3 20dB Bandwidth

3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.727	Not Specified	Pass
	MCH	0.666	Not Specified	Pass
	HCH	0.692	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.107	Not Specified	Pass
	MCH	1.108	Not Specified	Pass
	HCH	1.109	Not Specified	Pass
8DPSK	LCH	1.149	Not Specified	Pass
	MCH	1.152	Not Specified	Pass
	HCH	1.121	Not Specified	Pass

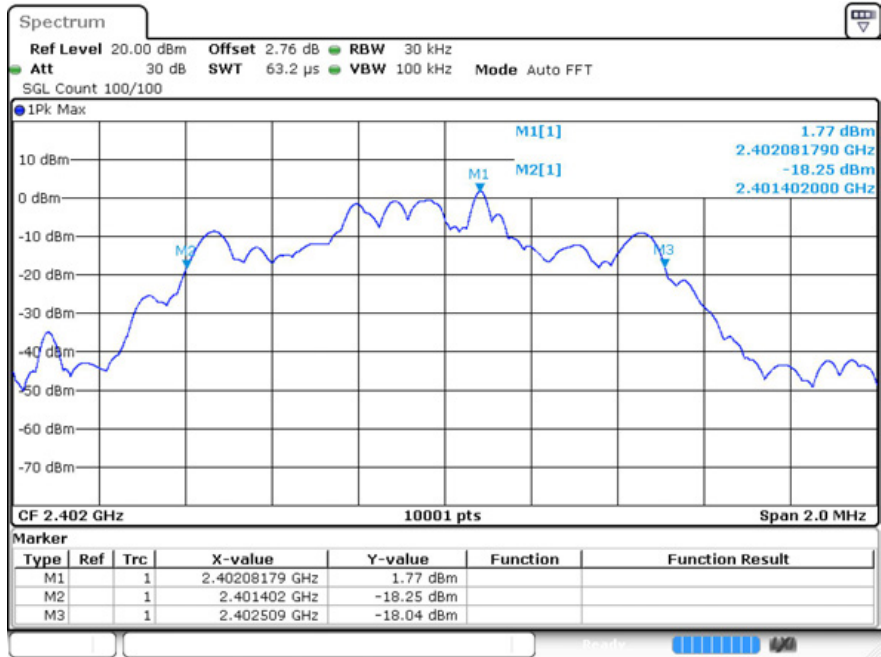
3.2 Test Graphs



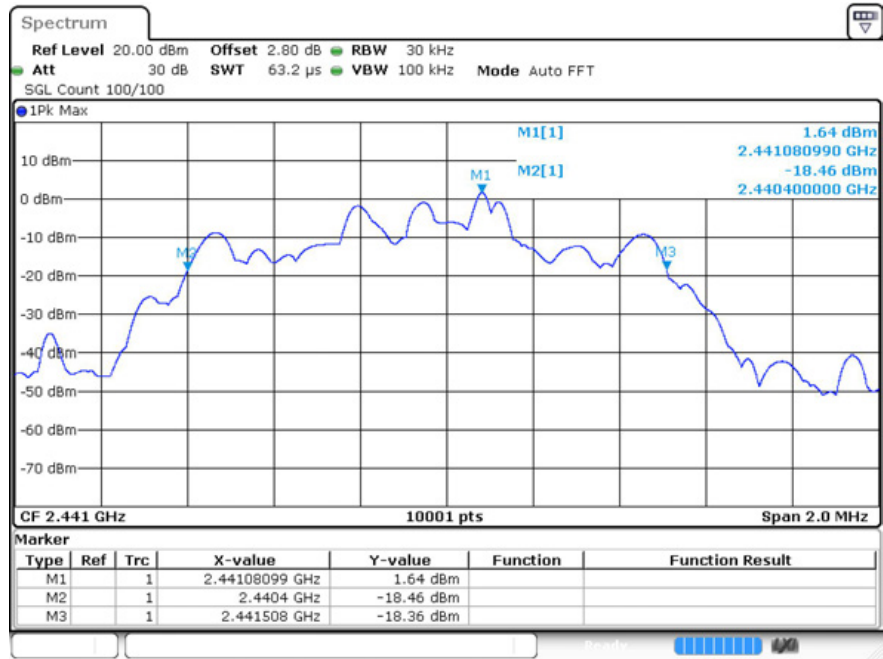
GFSK/HCH



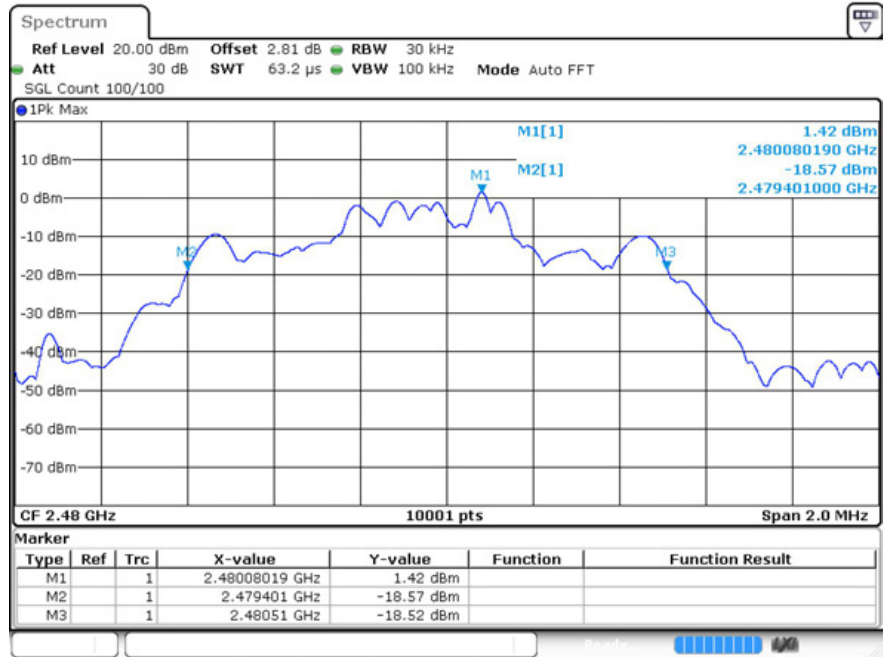
$\pi/4$ DQPSK/LCH



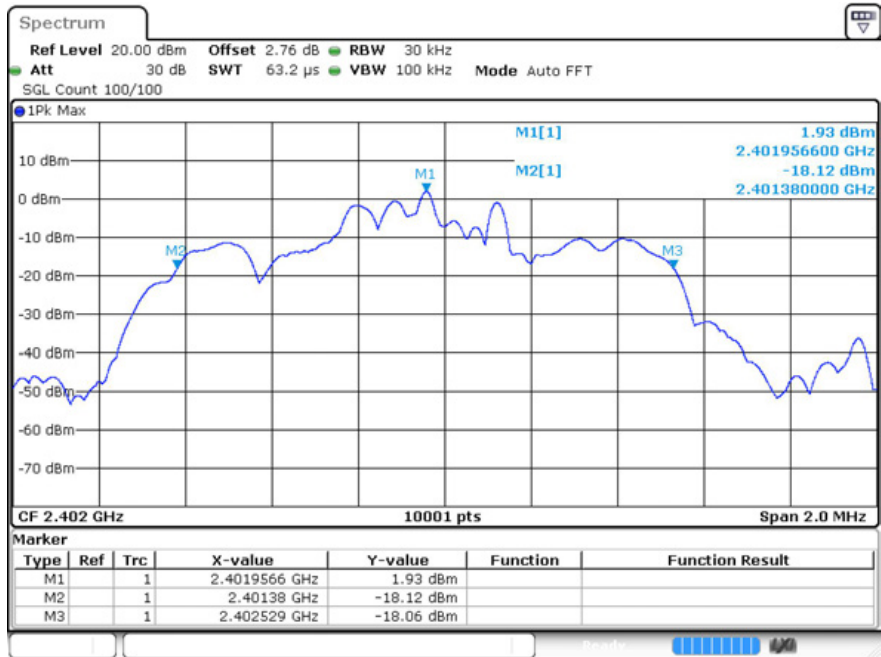
$\pi/4$ DQPSK/MCH



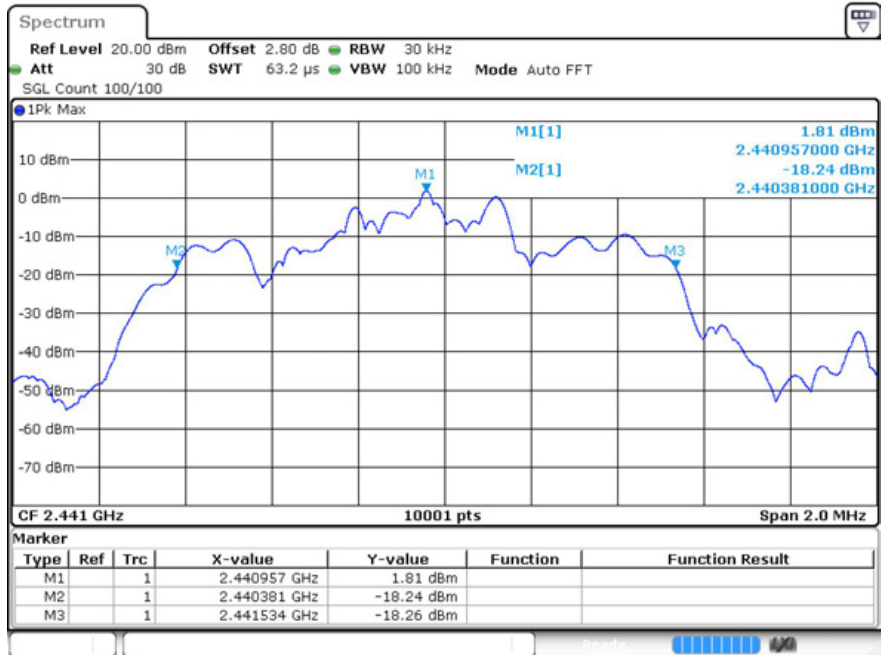
$\pi/4$ DQPSK/HCH



8DPSK/LCH

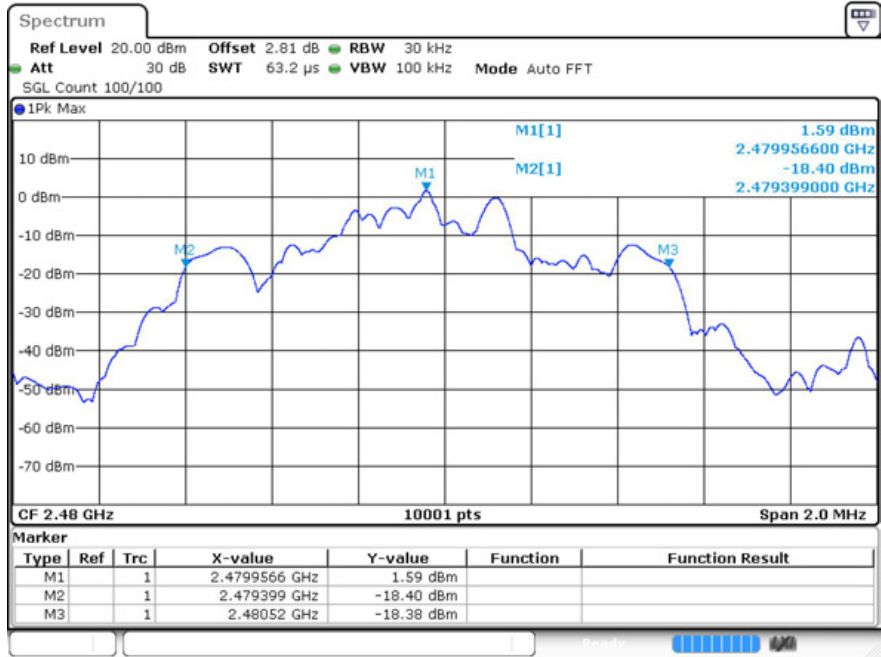


8DPSK/MCH





8DPSK/HCH



4 Carrier Frequency Separation

4.1 Test Result

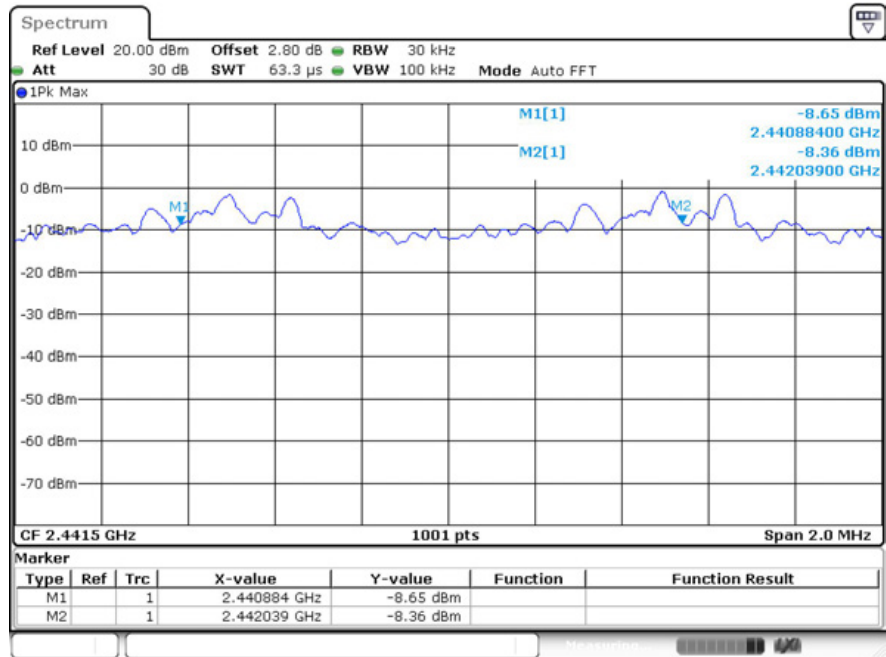
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.996	0.444	Pass
$\pi/4$ DQPSK	MCH	1.019	0.739	Pass
8DPSK	MCH	1.155	0.768	Pass

4.2 Test Graphs





8DPSK/MCH

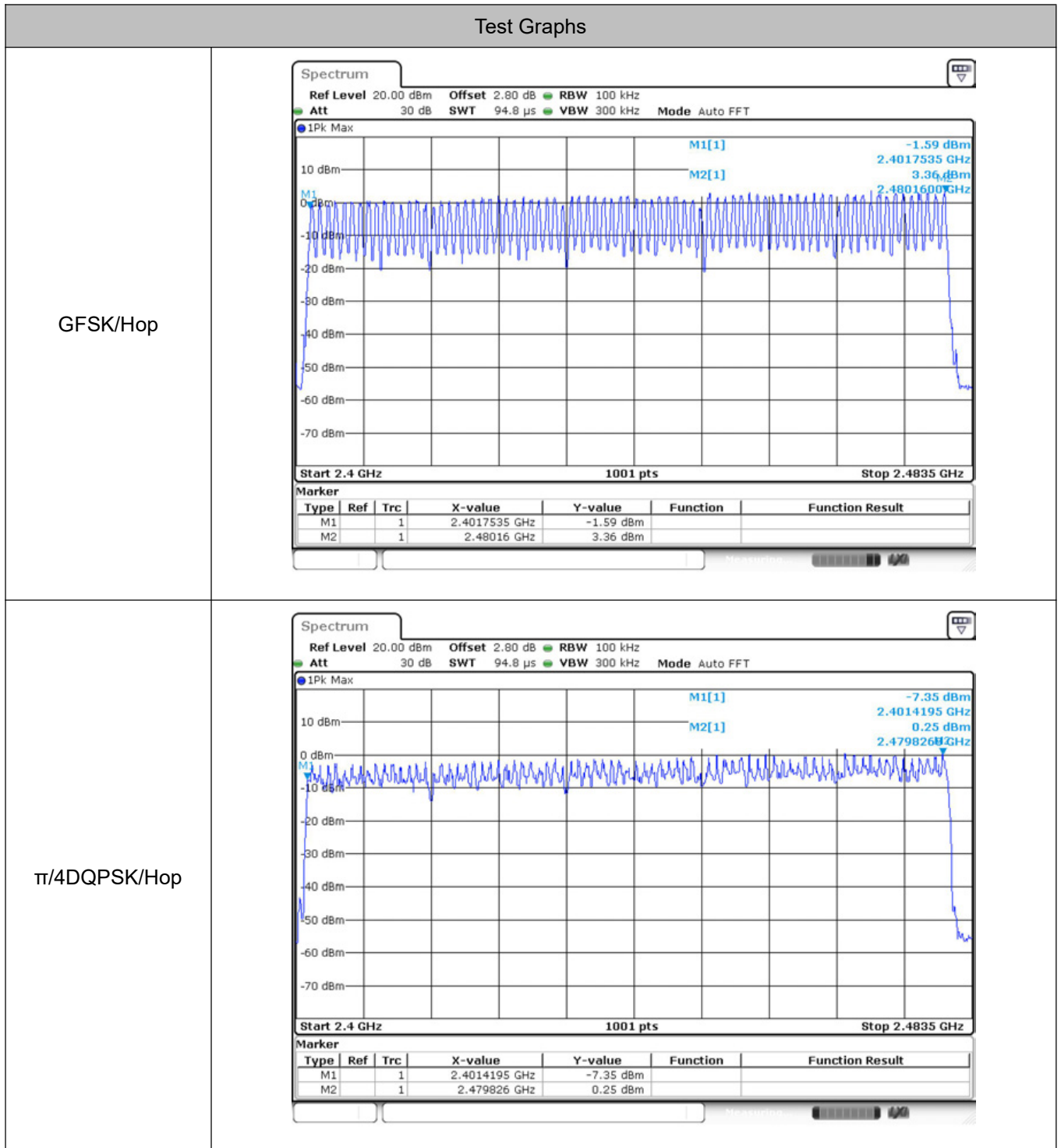


5 Hopping Channel Number

5.1 Test Result

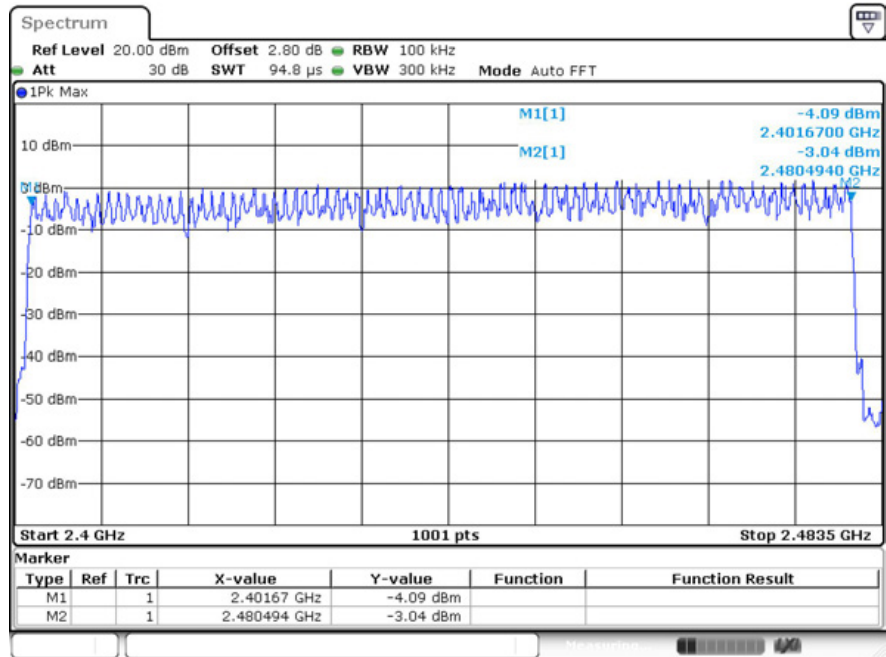
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	≥ 15	PASS
$\pi/4$ DQPSK	Hop	79	≥ 15	PASS
8DPSK	Hop	79	≥ 15	PASS

5.2 Test Graphs





8DPSK/Hop

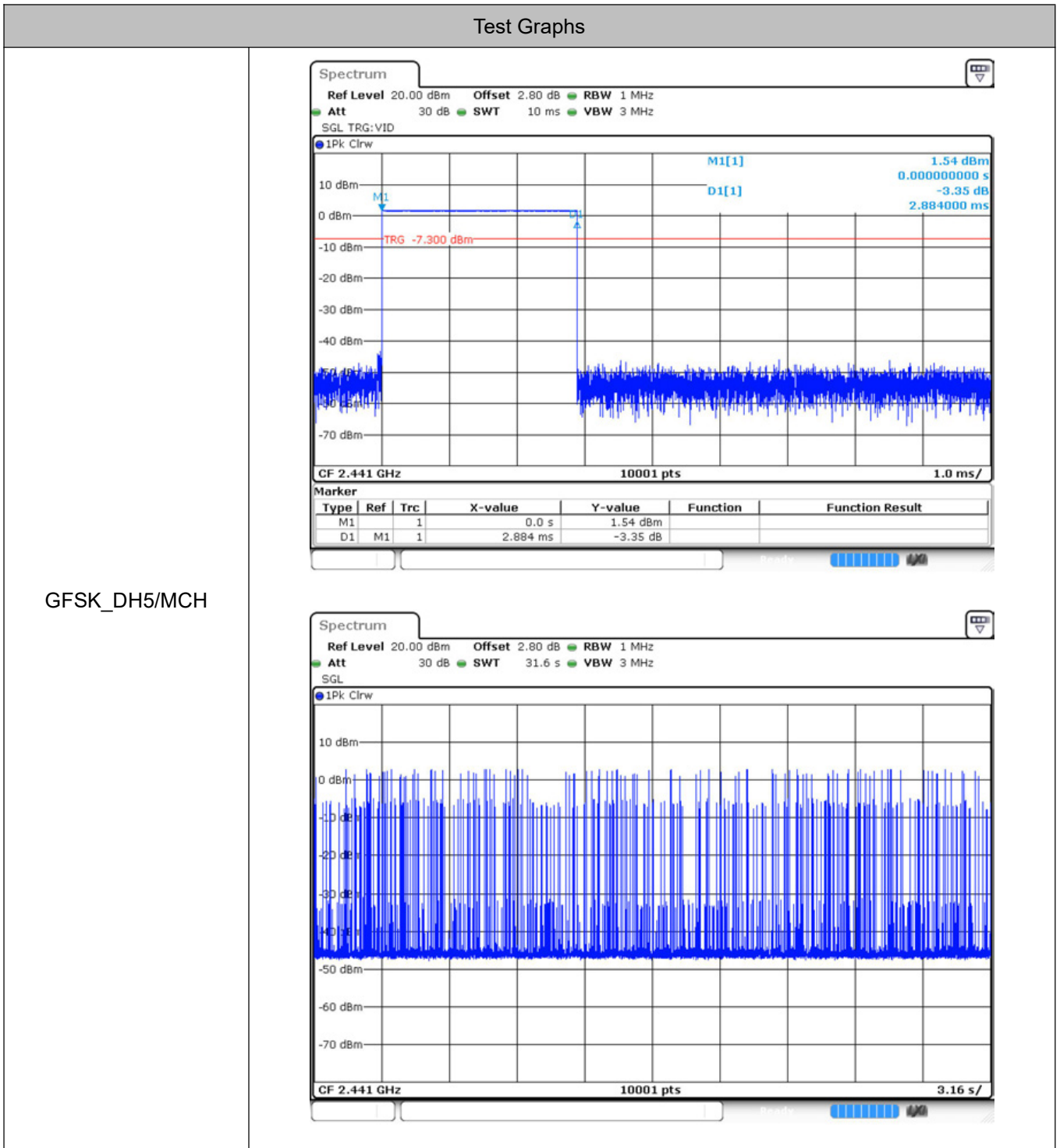


6 Dwell Time

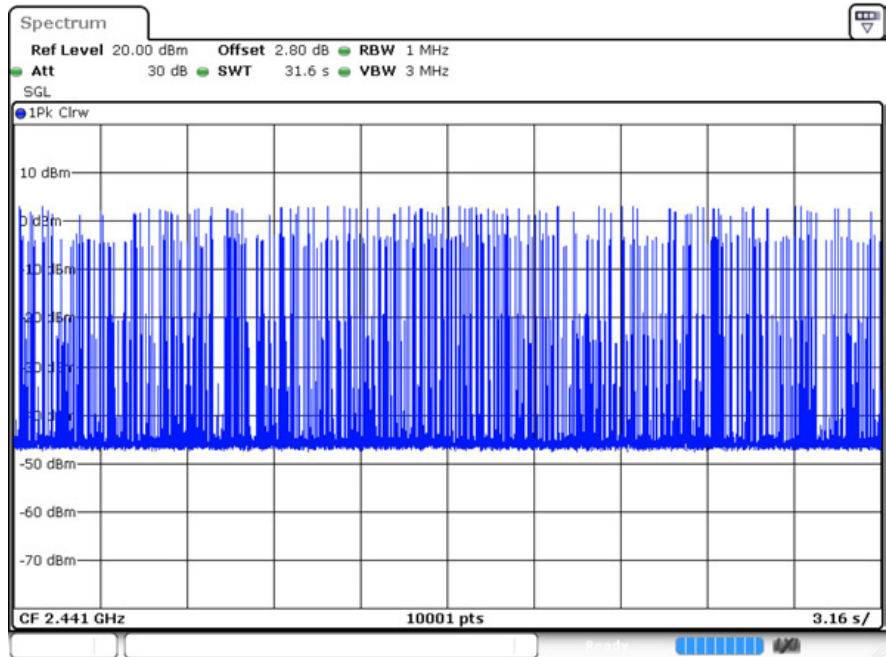
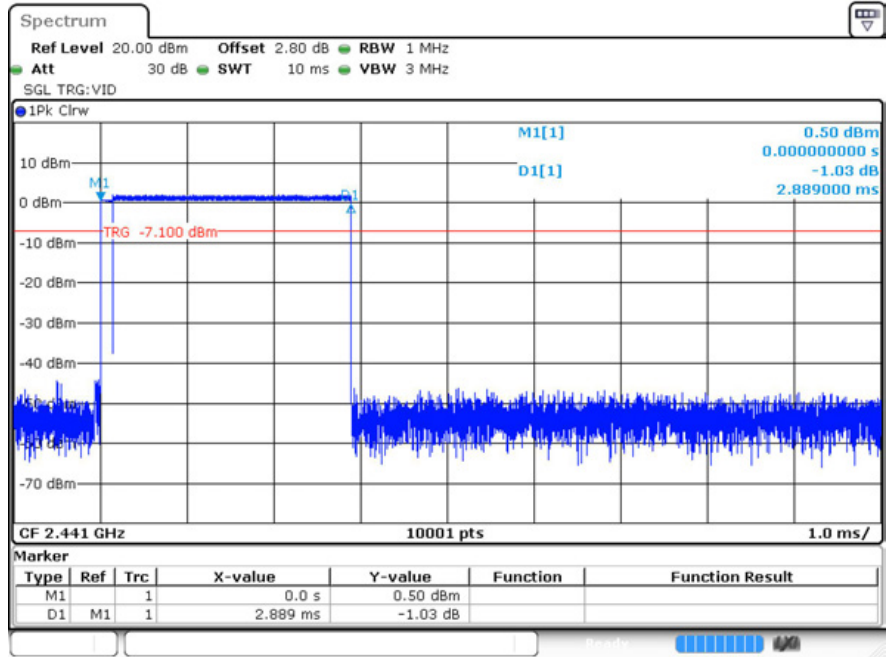
6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.884	103	297.052	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.889	114	329.346	0.4	Pass
8DPSK	3DH5	MCH	2.891	119	344.029	0.4	Pass

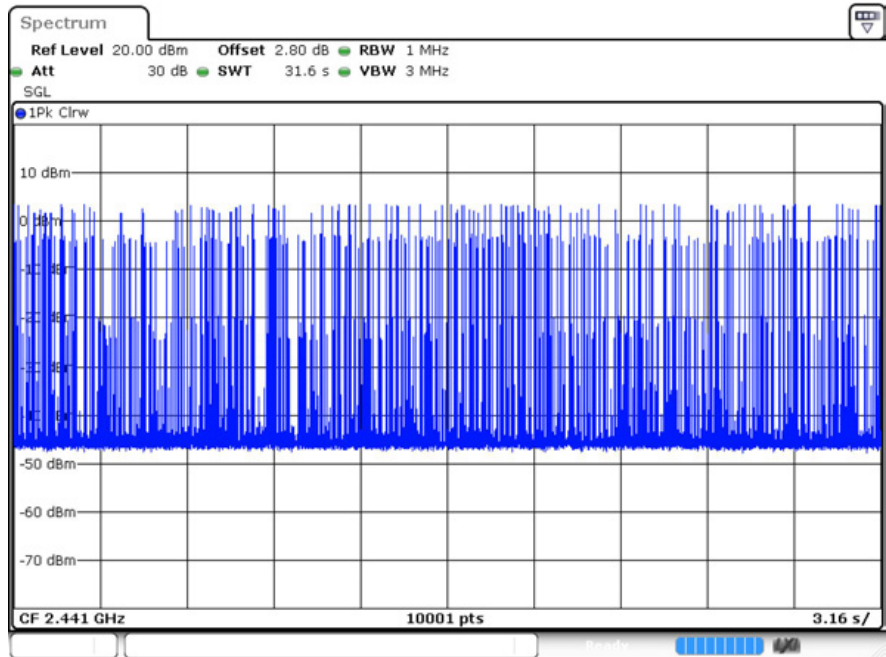
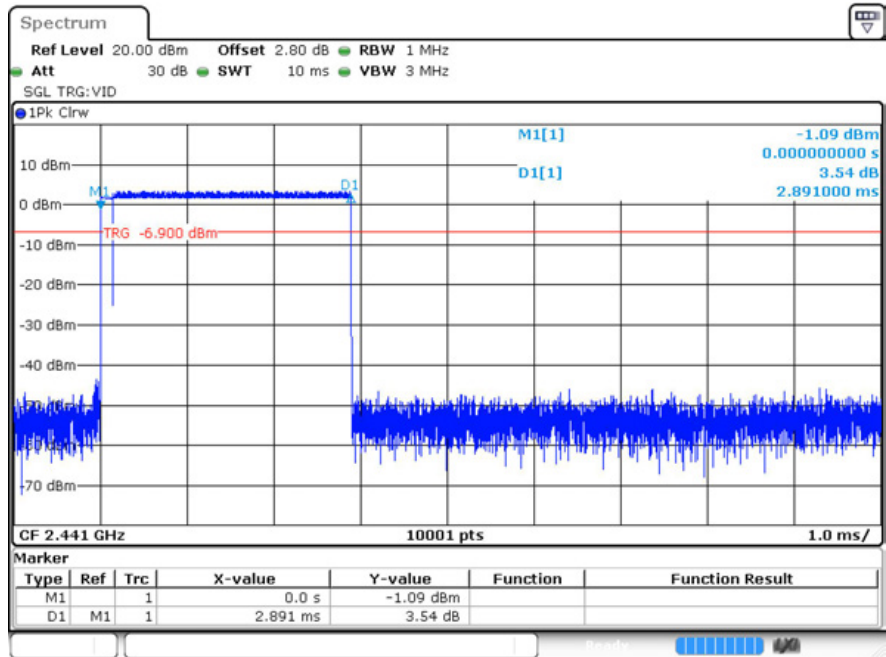
6.2 Test Graphs



$\pi/4$ DQPSK
_2DH5/MCH



8DPSK_3DH5/MCH

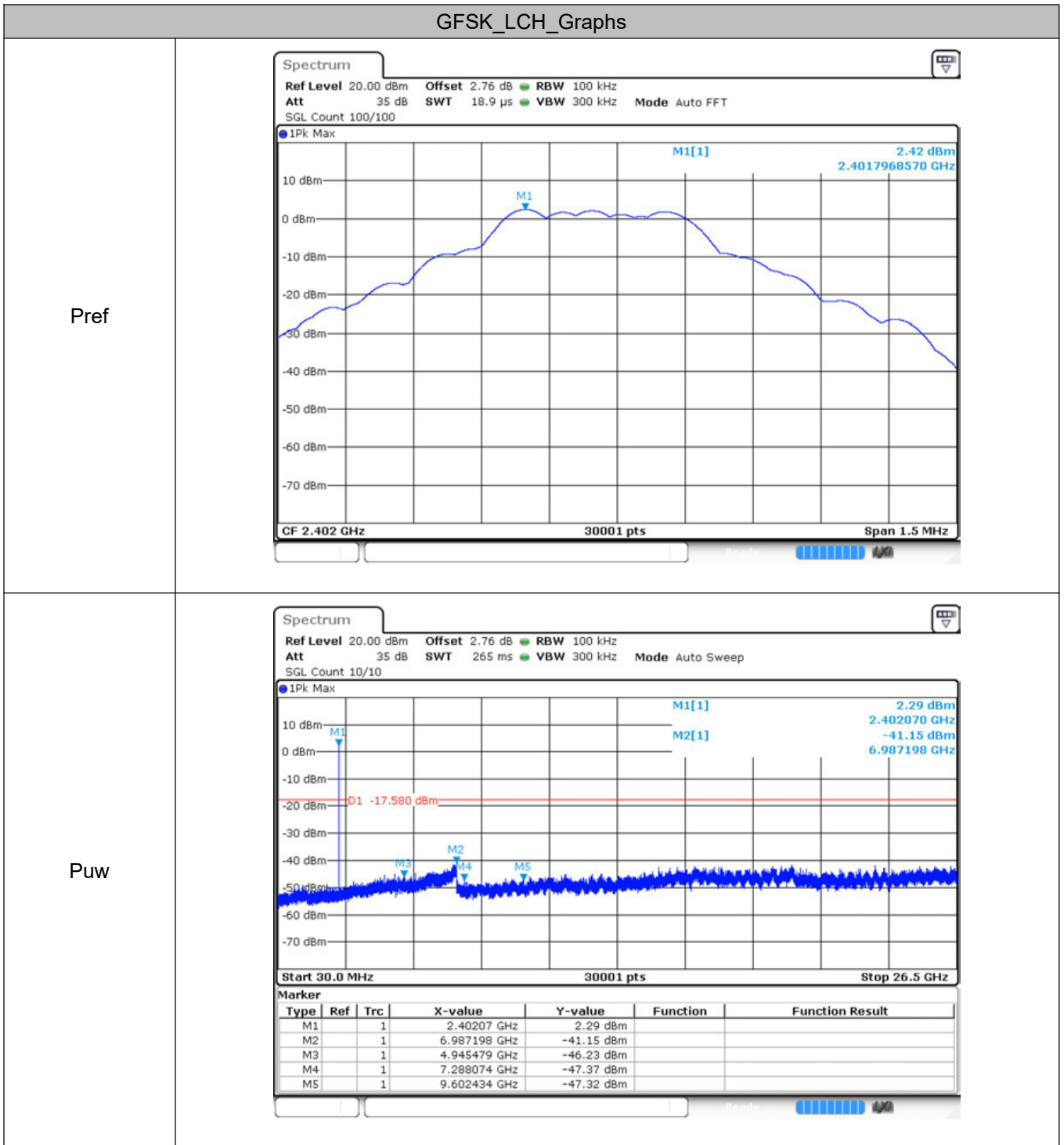


7 RF Conducted Spurious Emissions

7.1 Test Result

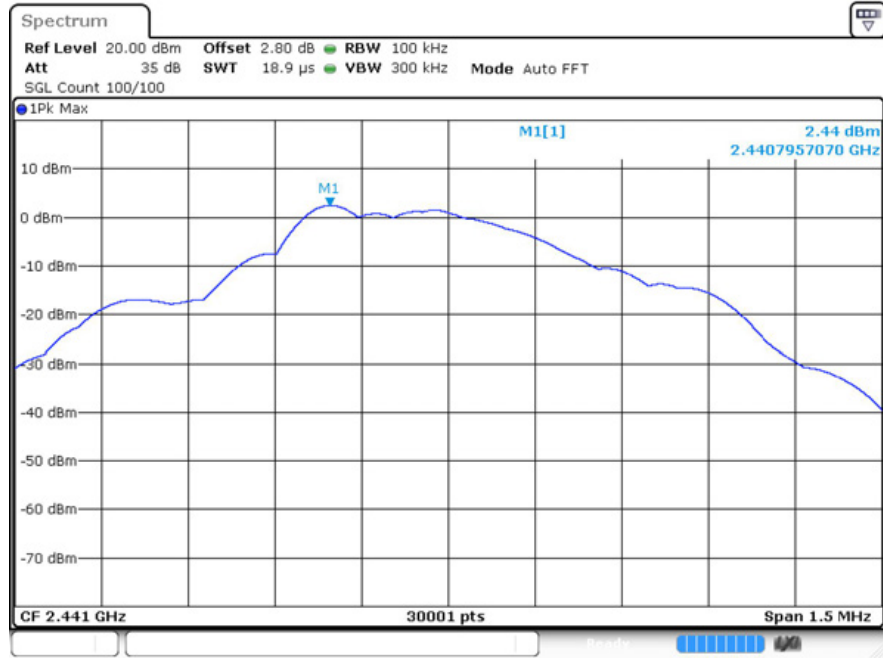
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-43.56	-20	Pass
	MCH	-43.42	-20	Pass
	HCH	-42.91	-20	Pass
$\pi/4$ DQPSK	LCH	-44.13	-20	Pass
	MCH	-42.78	-20	Pass
	HCH	-43.12	-20	Pass
8DPSK	LCH	-43.27	-20	Pass
	MCH	-43.48	-20	Pass
	HCH	-42.77	-20	Pass

7.2 Test Graphs

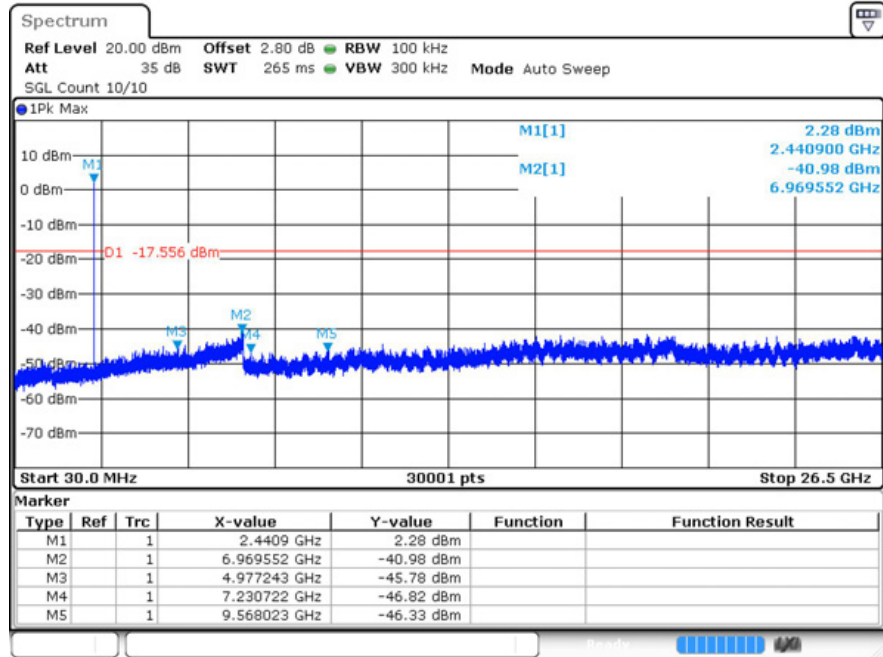


GFSK_MCH_Graphs

Pref

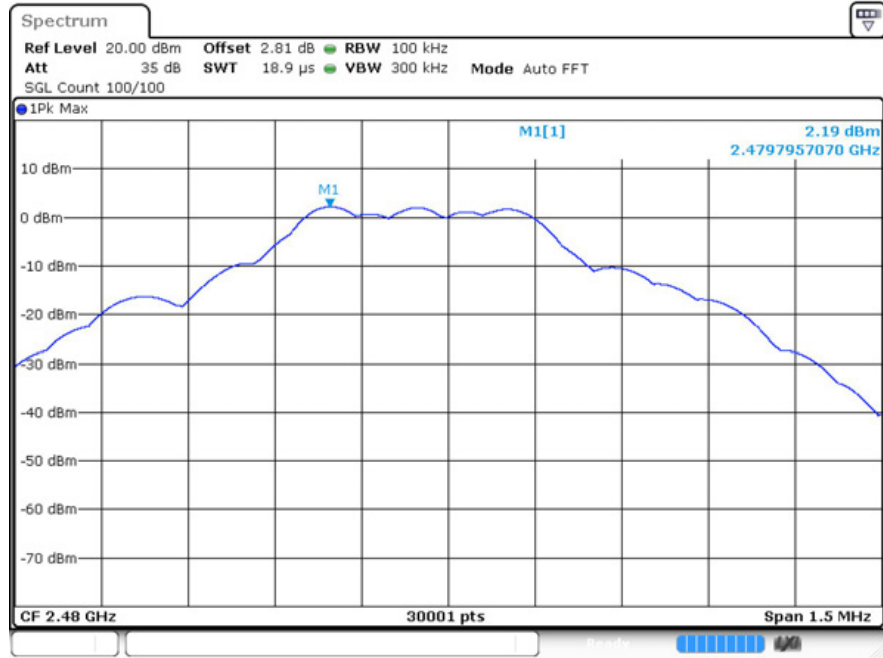


Puw

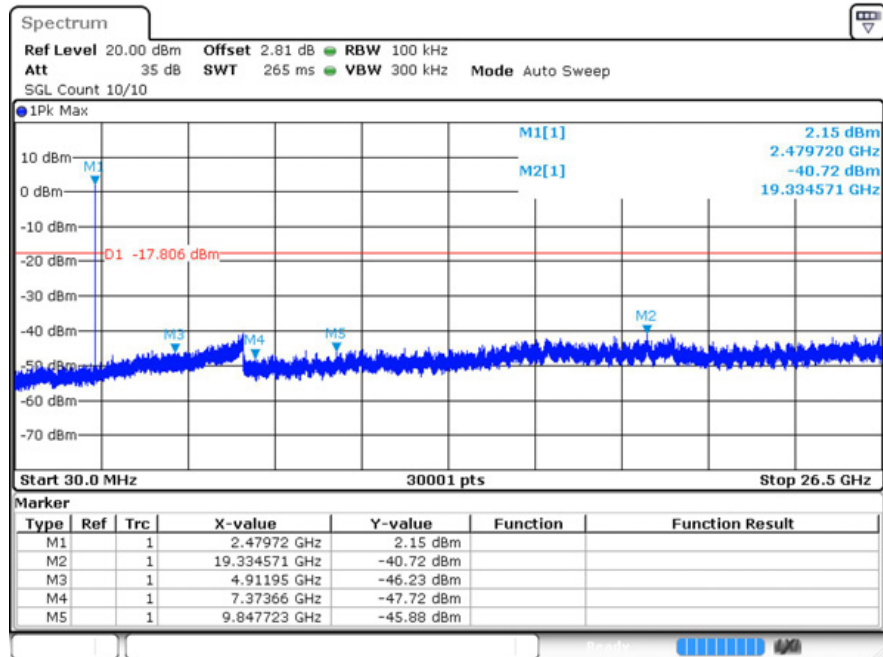


GFSK_HCH_Graphs

Pref

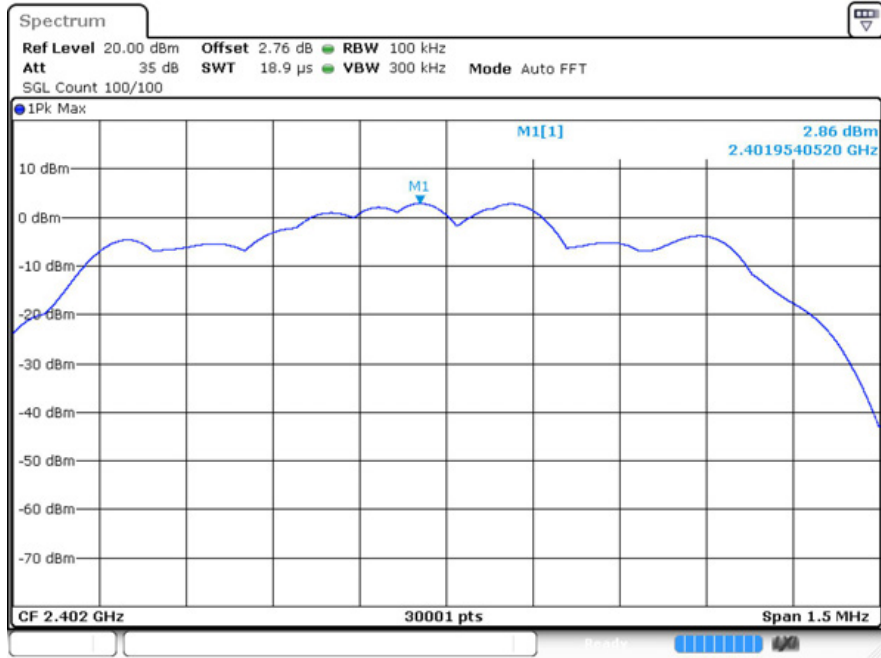


Puw

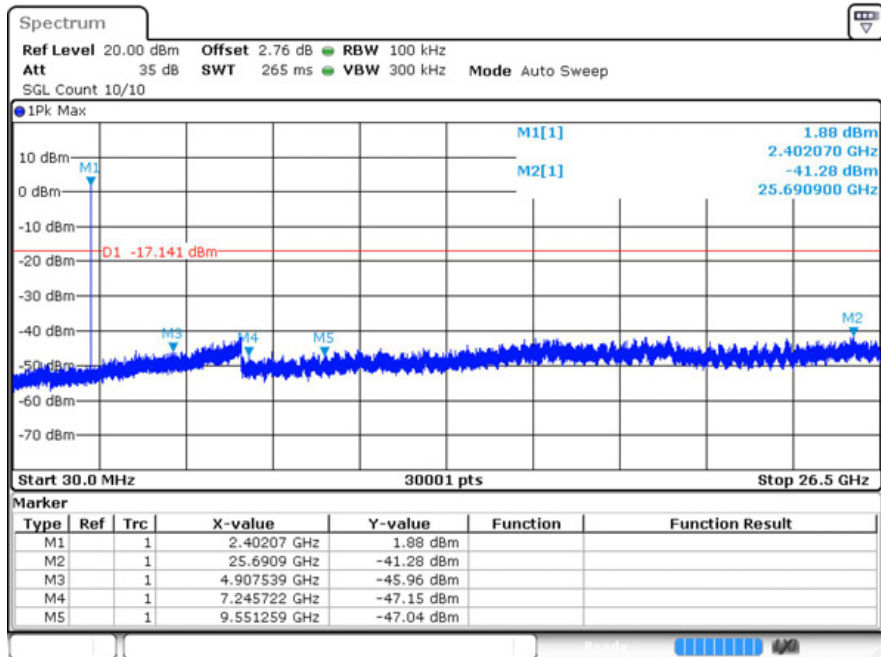


$\pi/4$ DQPSK_LCH_Graphs

Pref

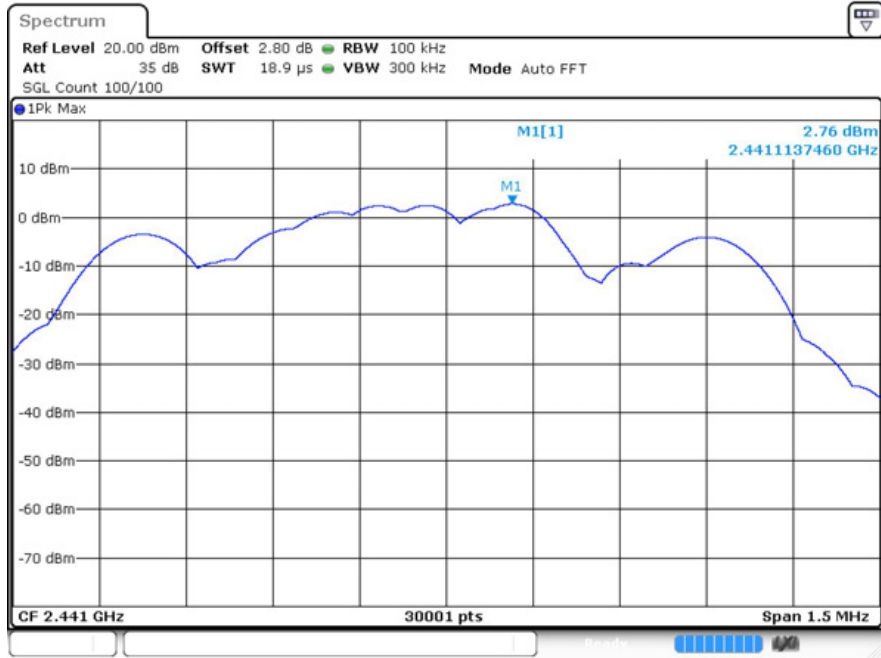


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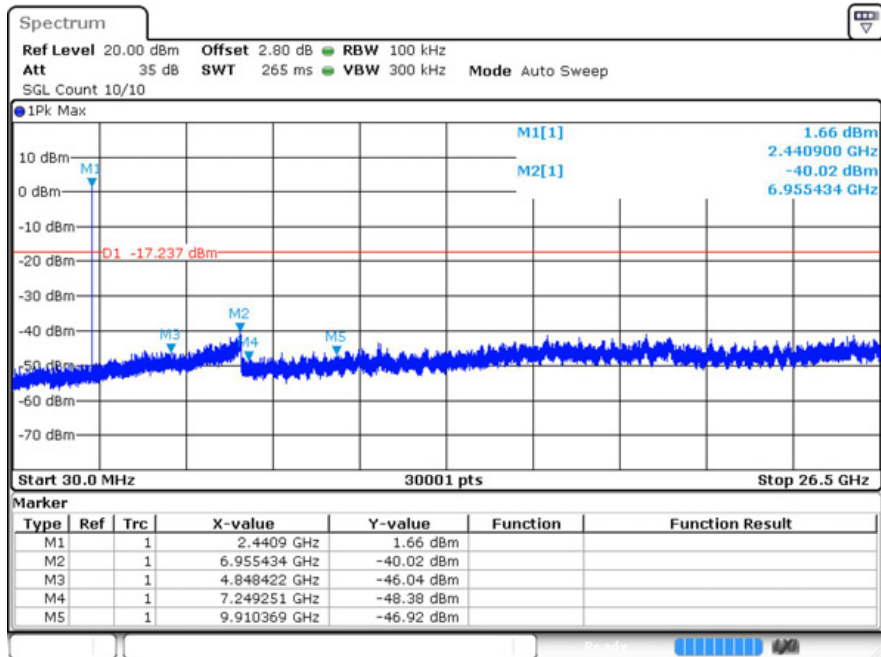


$\pi/4$ DQPSK_MCH_Graphs

Pref

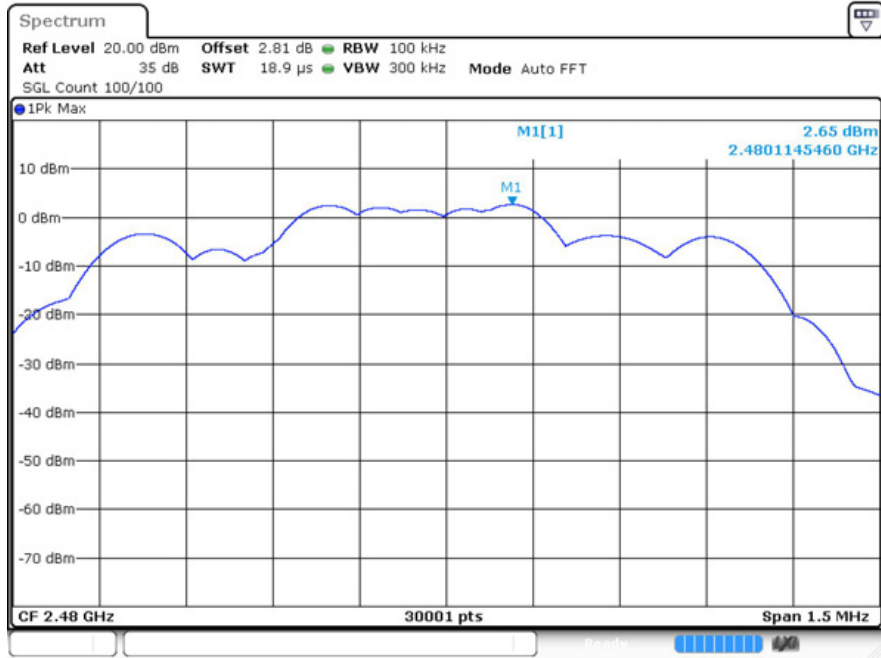


Puw

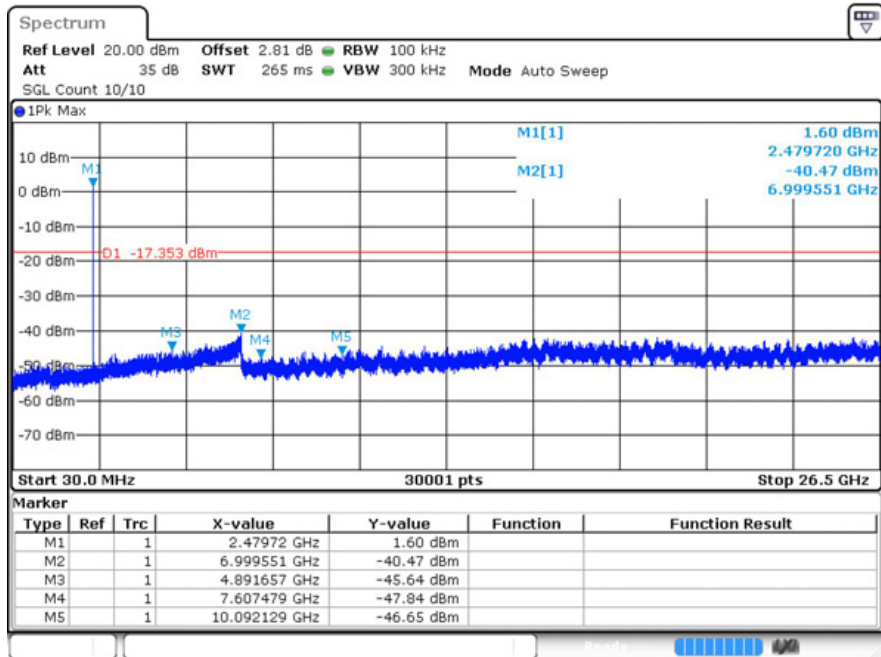


$\pi/4$ DQPSK_HCH_Graphs

Pref

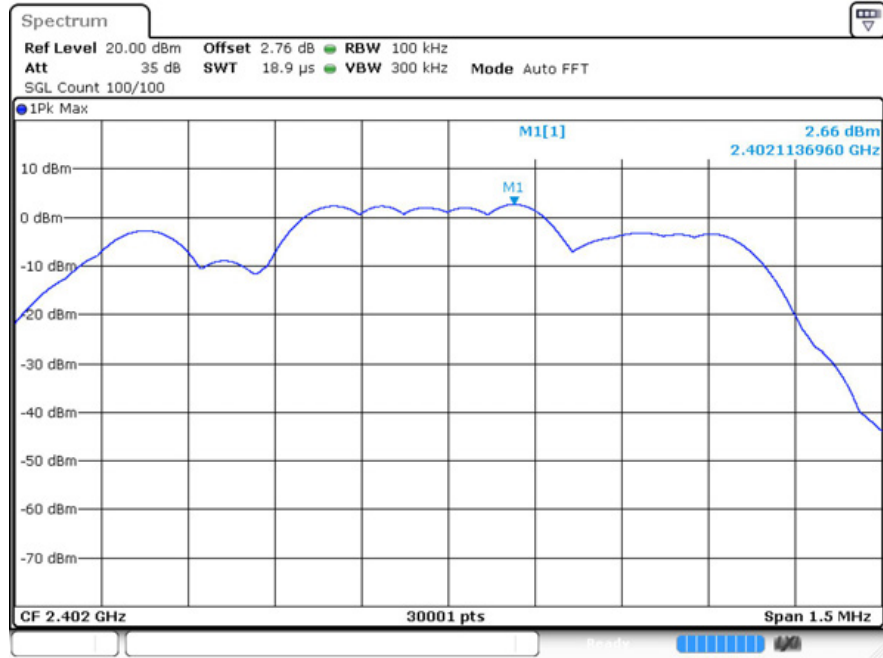


Puw

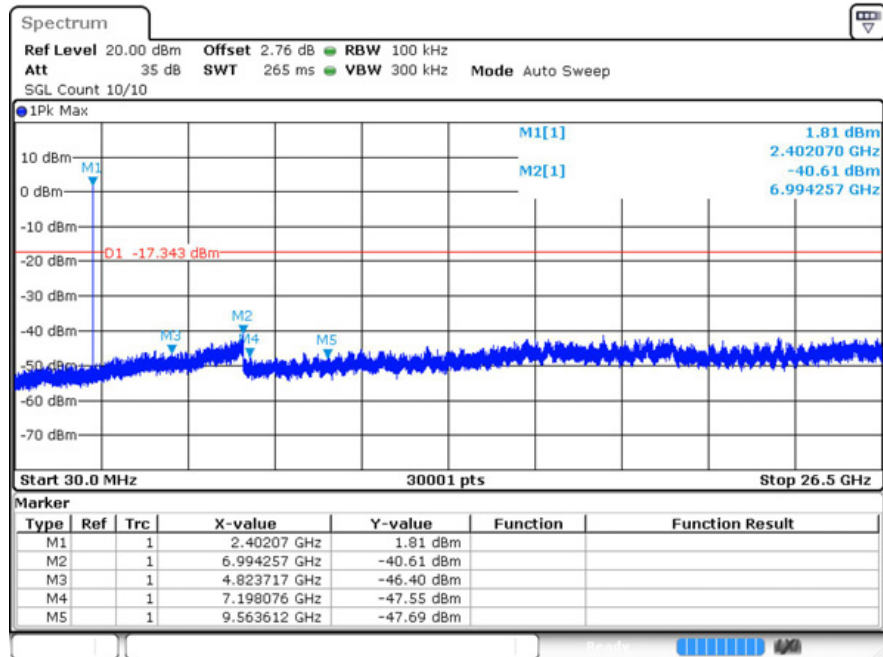


8DPSK_LCH_Graphs

Pref

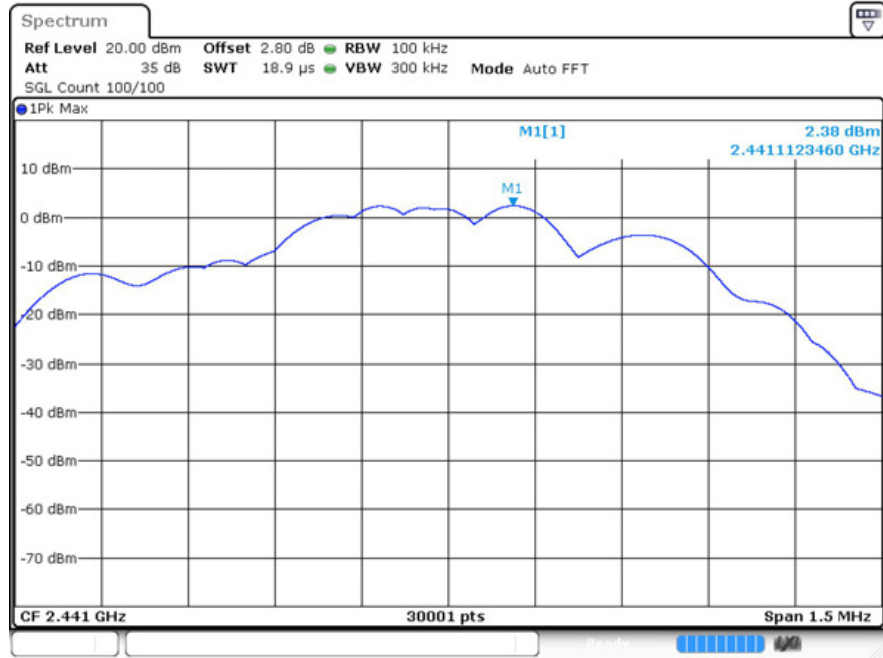


Puw

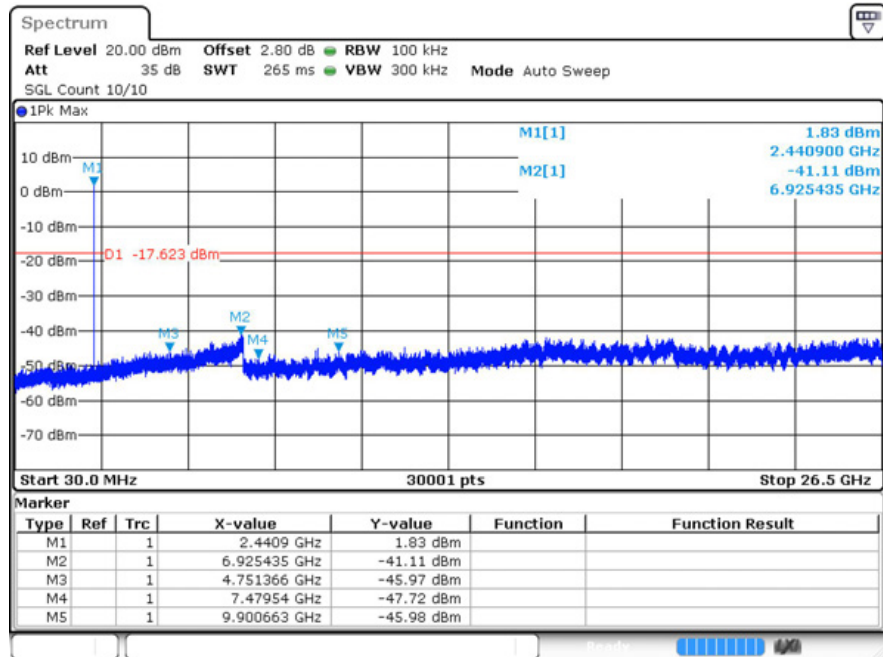


8DPSK_MCH_Graphs

Pref

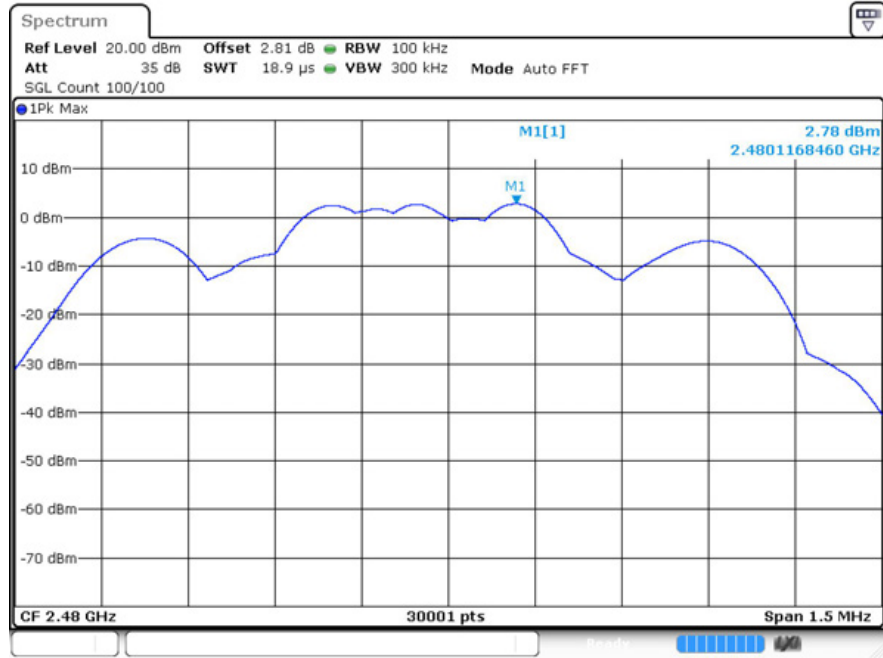


Puw

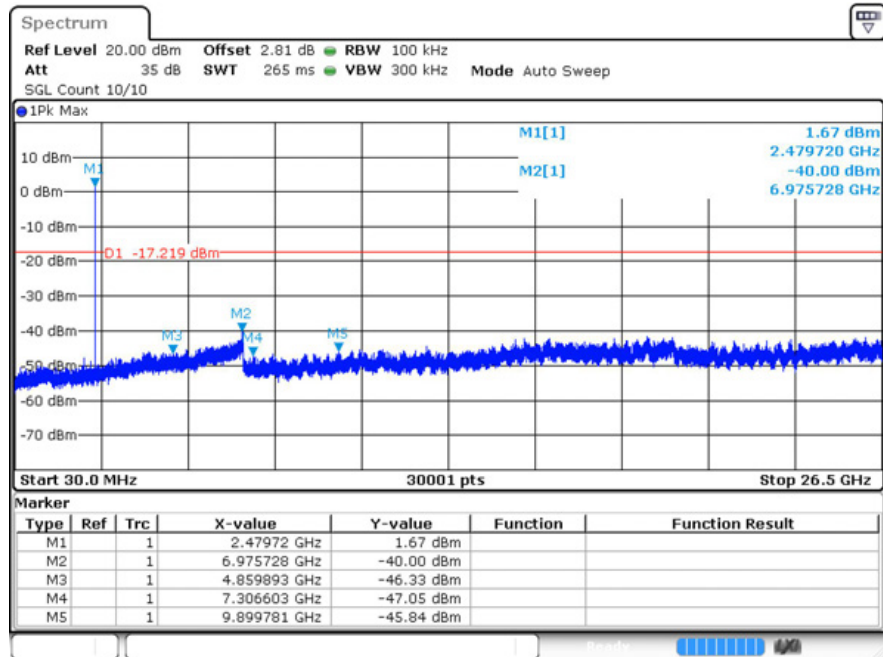


8DPSK_HCH_Graphs

Pref



Puw

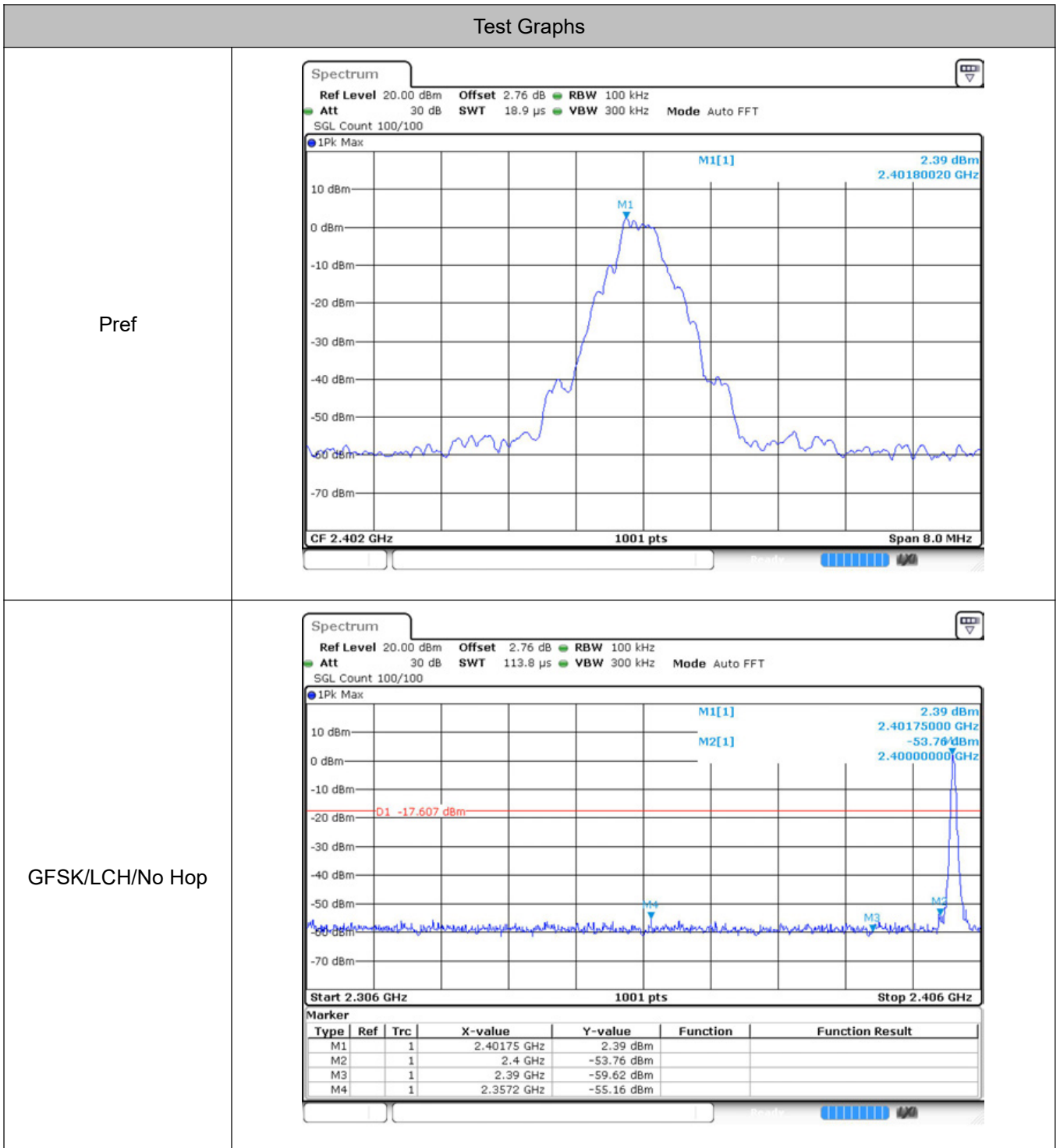


8 Band-edge for RF Conducted Emissions

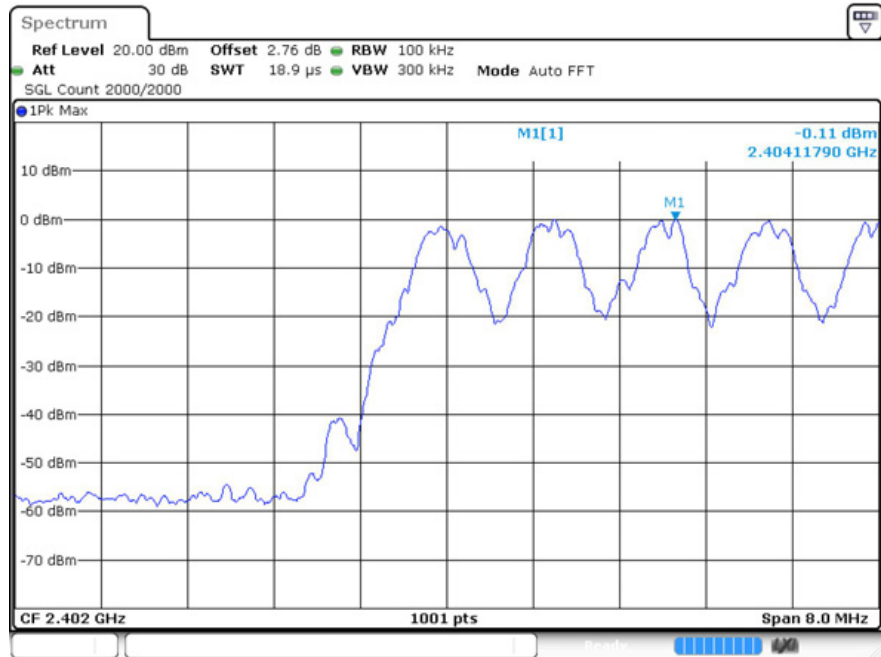
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-57.55	-20	Pass
			On	-54.64	-20	Pass
	HCH	2480	Off	-57.27	-20	Pass
			On	-49.77	-20	Pass
$\pi/4$ DQPSK	LCH	2402	Off	-58.16	-20	Pass
			On	-52.37	-20	Pass
	HCH	2480	Off	-58.8	-20	Pass
			On	-46.78	-20	Pass
8DPSK	LCH	2402	Off	-58.72	-20	Pass
			On	-52.55	-20	Pass
	HCH	2480	Off	-58.31	-20	Pass
			On	-49.22	-20	Pass

8.2 Test Graphs



Ref



GFSK/LCH/Hop

