



Appendix A

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

Product Name: Smart Glasses

Trade Mark: N/A

Test Model: VX2

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya Lin
Supervised by:	Simba Huang



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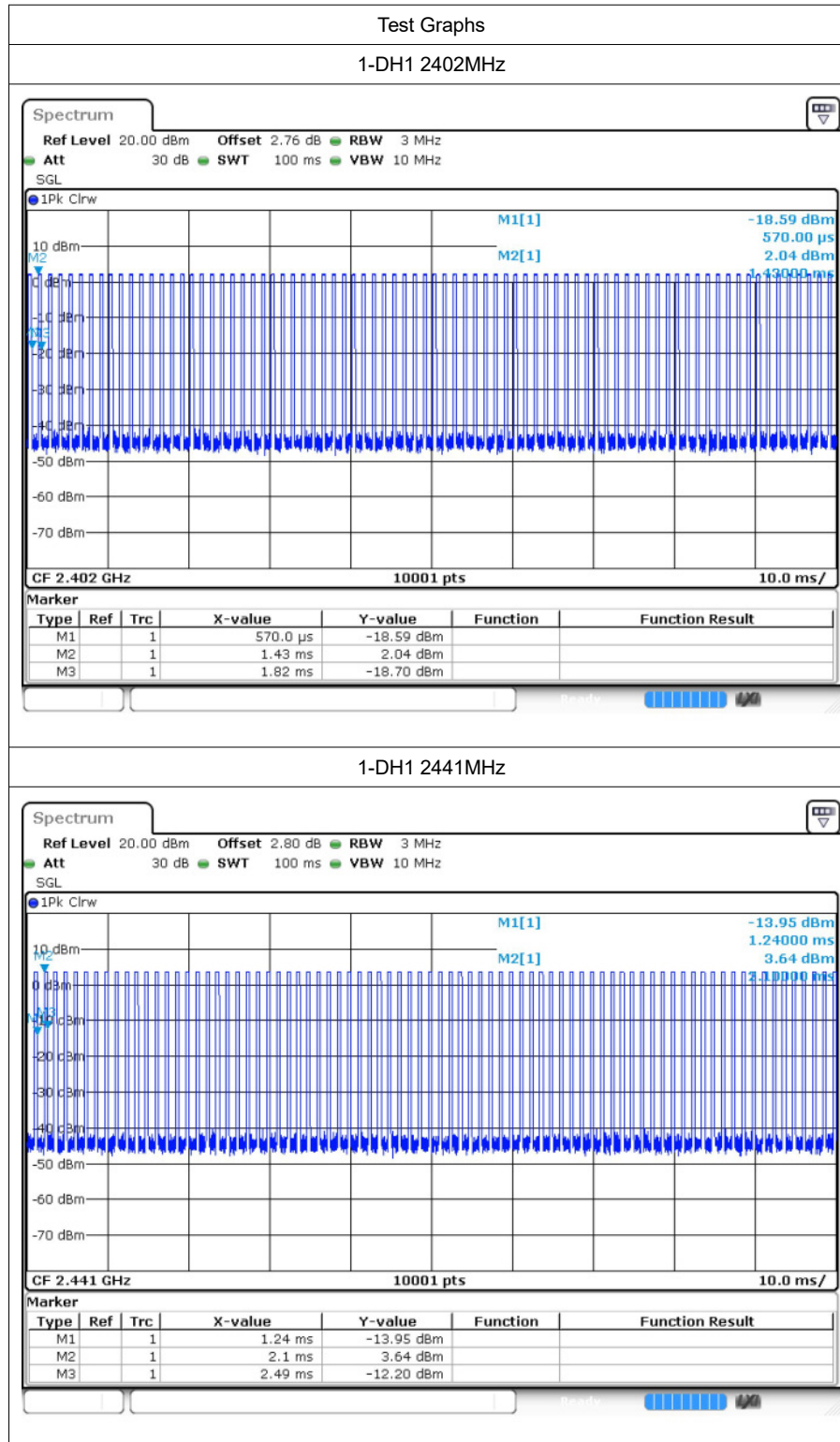
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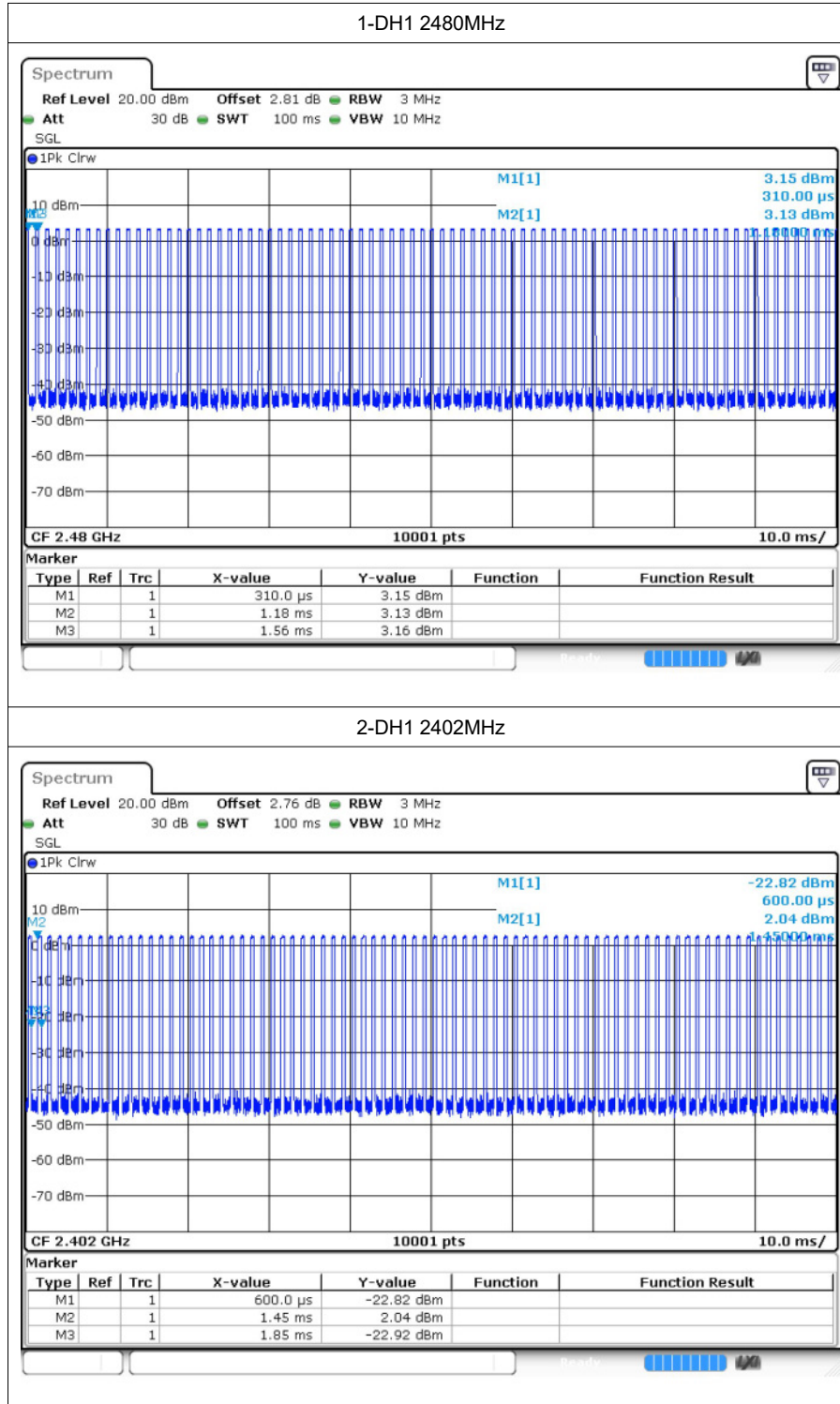
1 Duty Cycle

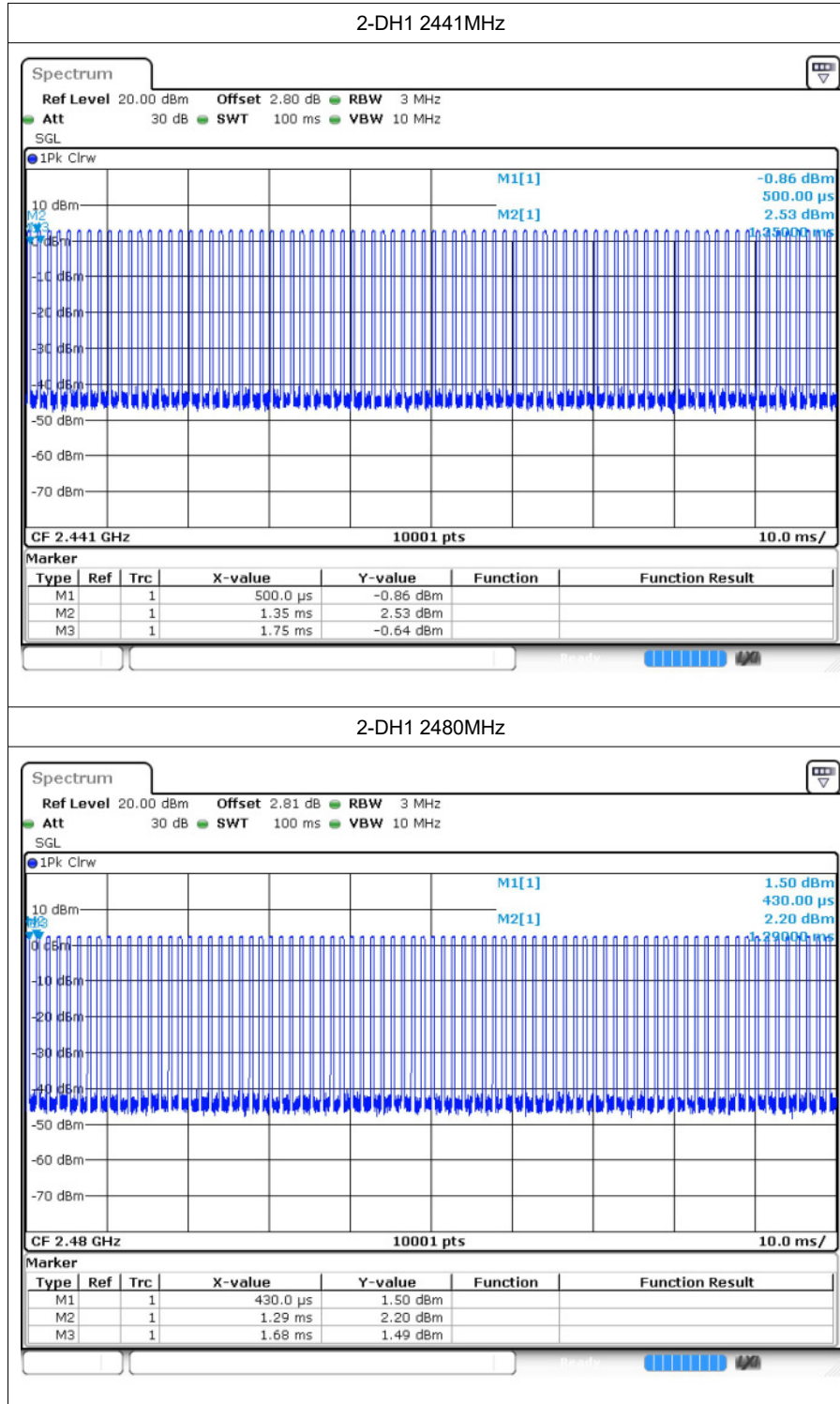
1.1 Test Result

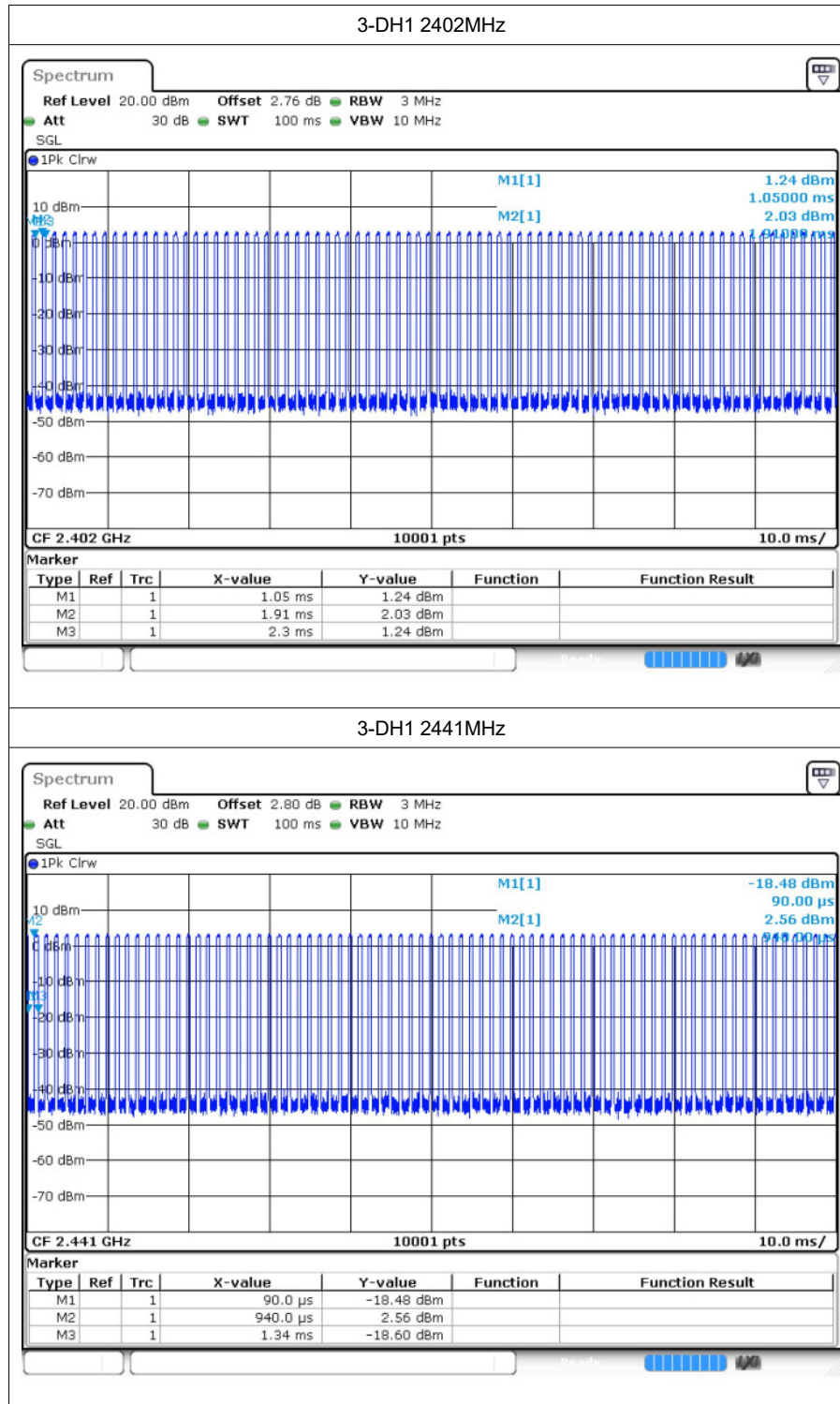
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
1-DH1	2402	32	4.95	2.56
1-DH1	2441	32	4.95	2.56
1-DH1	2480	31.43	5.03	2.63
2-DH1	2402	32.8	4.84	2.5
2-DH1	2441	32.8	4.84	2.5
2-DH1	2480	32	4.95	2.56
3-DH1	2402	32	4.95	2.56
3-DH1	2441	32.81	4.84	2.5
3-DH1	2480	32.55	4.87	2.56

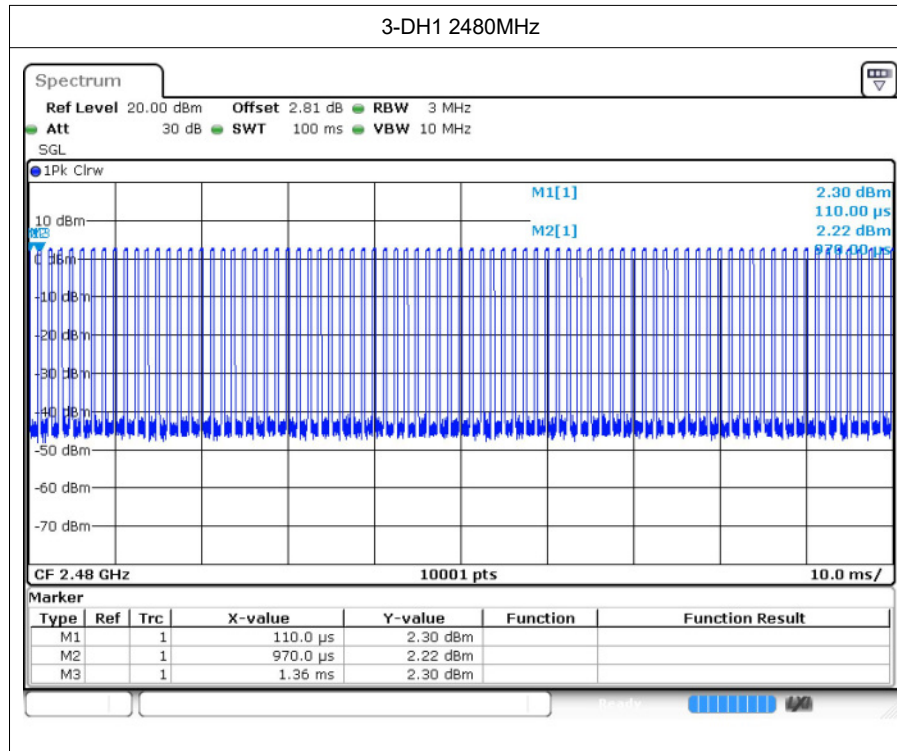
1.2 Test Graphs









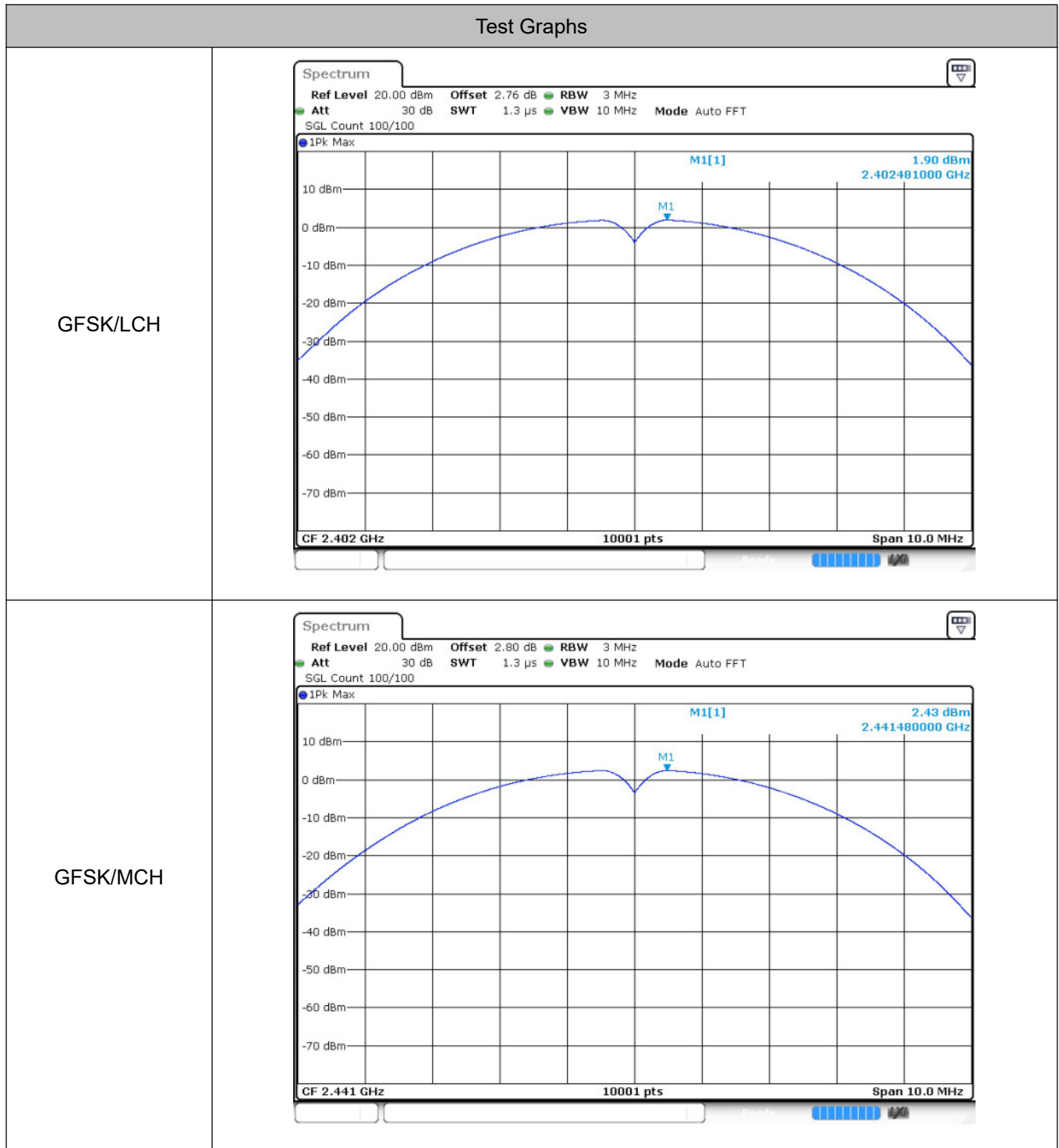


2 Maximum Conducted Peak Output Power

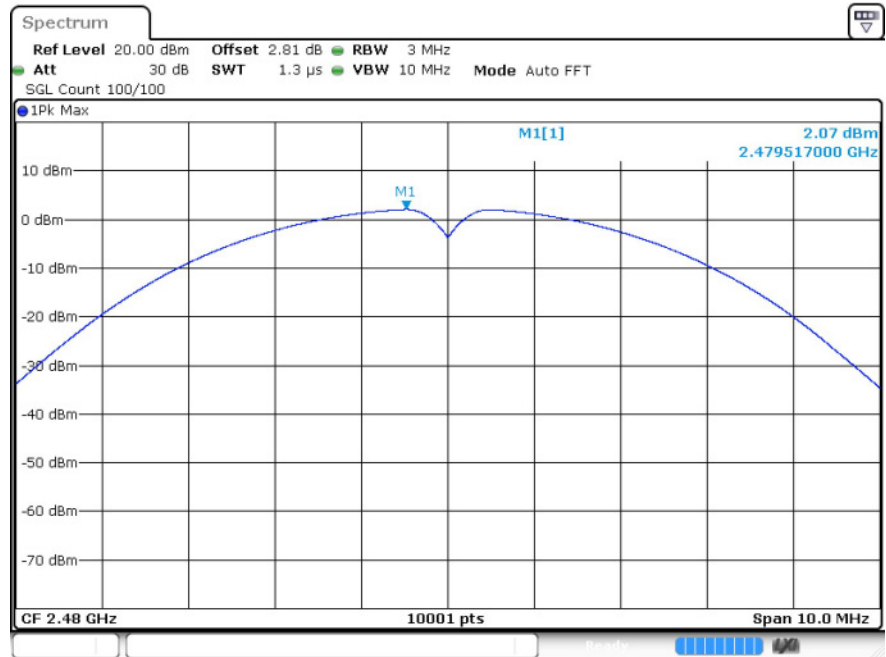
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	1.9	21	Pass
	MCH	2.43	21	Pass
	HCH	2.07	21	Pass
$\pi/4$ DQPSK	LCH	2.39	21	Pass
	MCH	2.54	21	Pass
	HCH	2.37	21	Pass
8DPSK	LCH	2.47	21	Pass
	MCH	2.65	21	Pass
	HCH	2.38	21	Pass

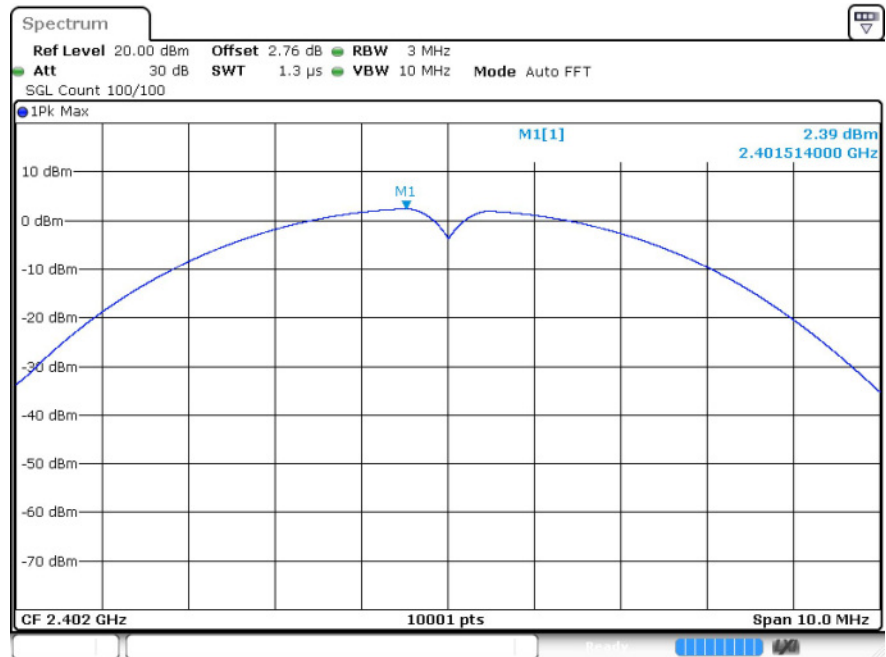
2.2 Test Graphs



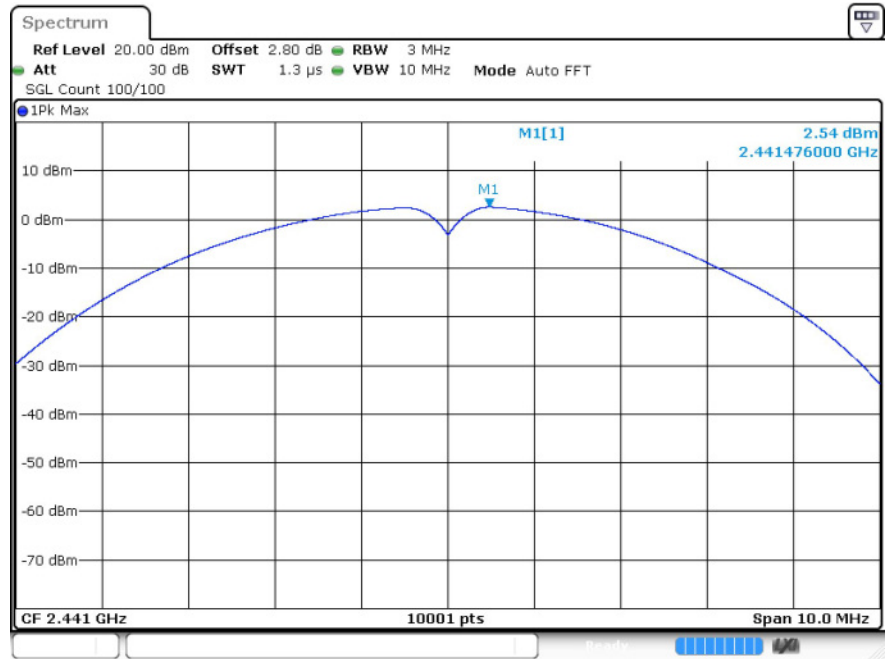
GFSK/HCH



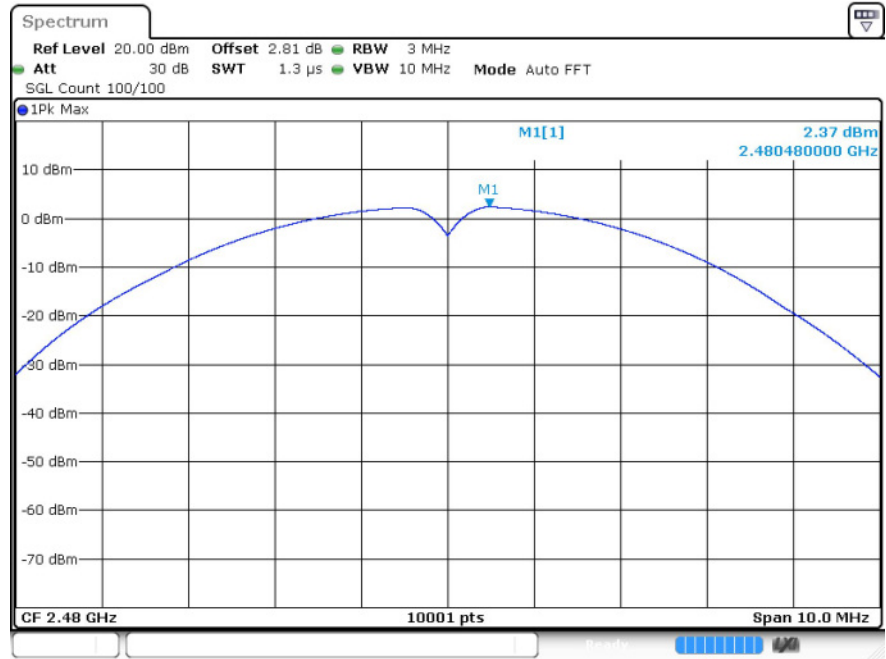
$\pi/4$ DQPSK/LCH



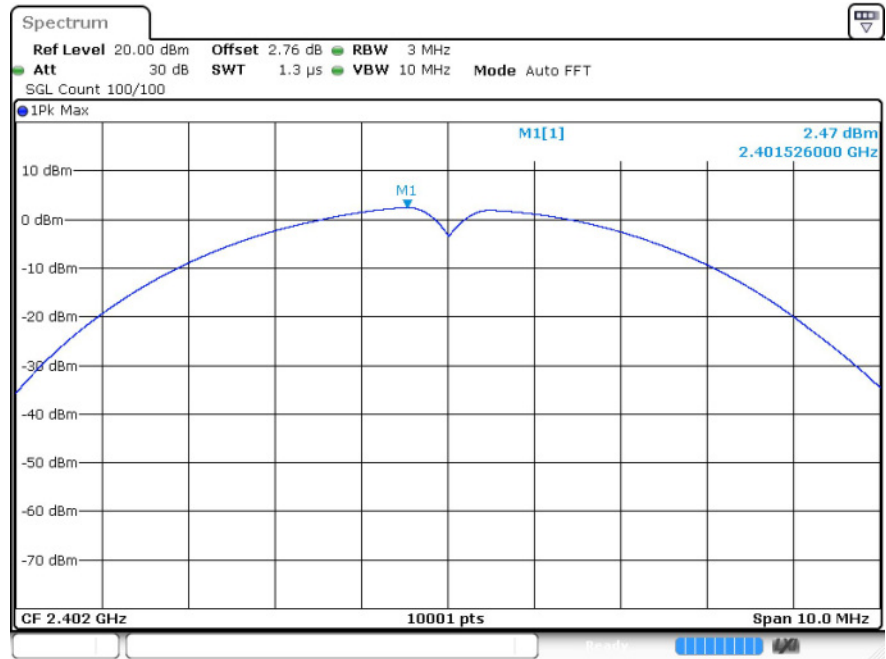
$\pi/4$ DQPSK/MCH



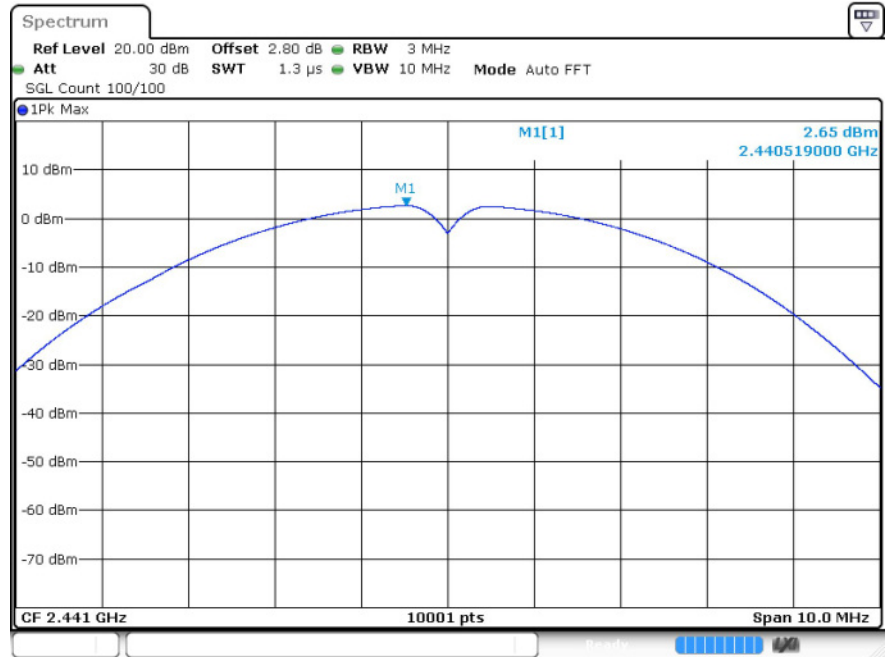
$\pi/4$ DQPSK/HCH



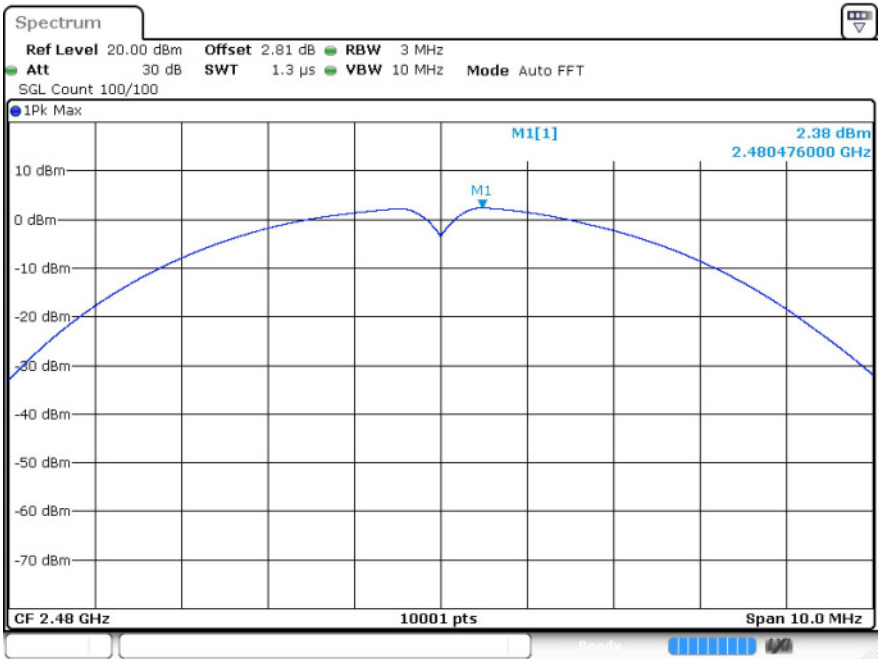
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

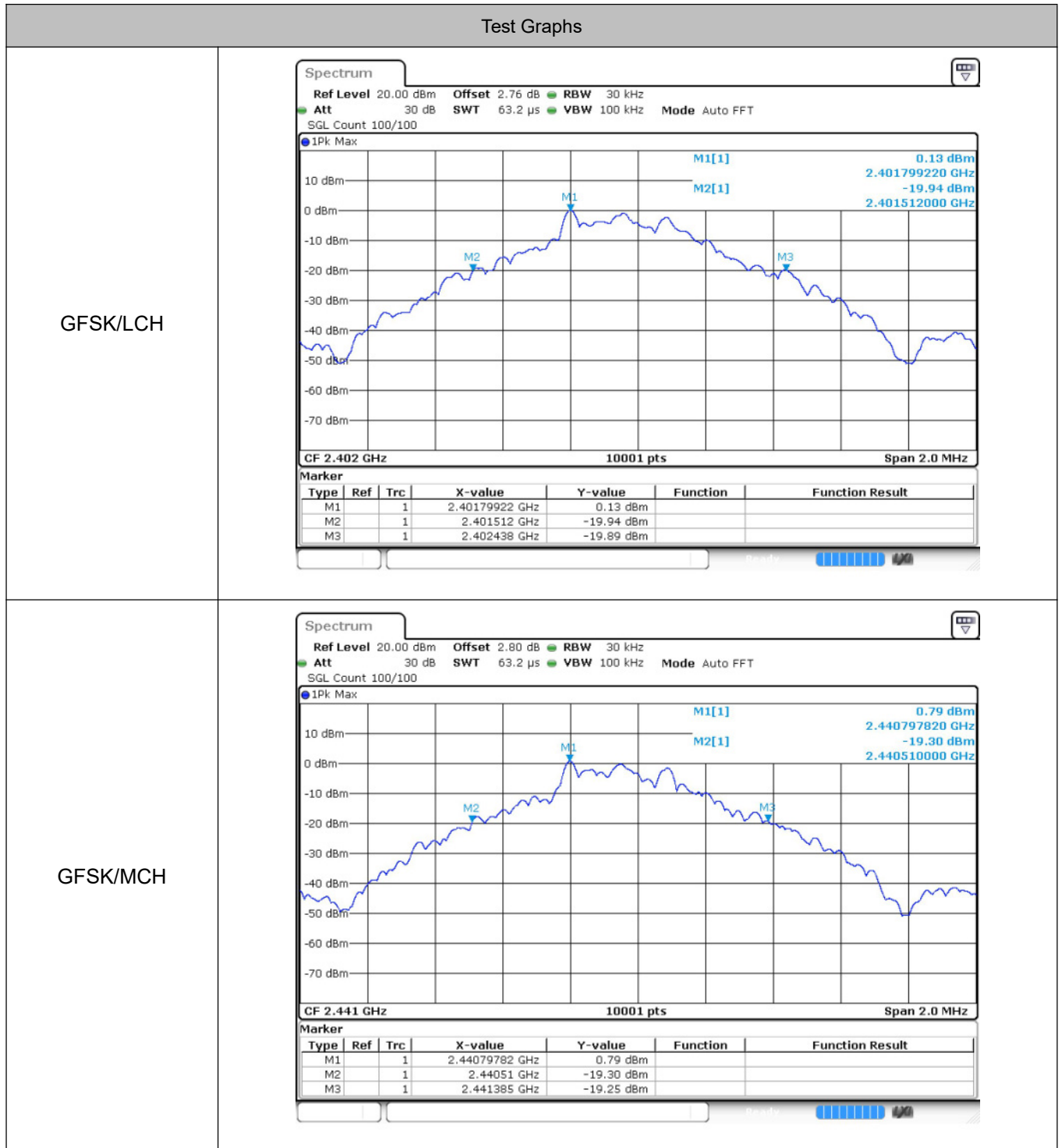


3 20dB Bandwidth

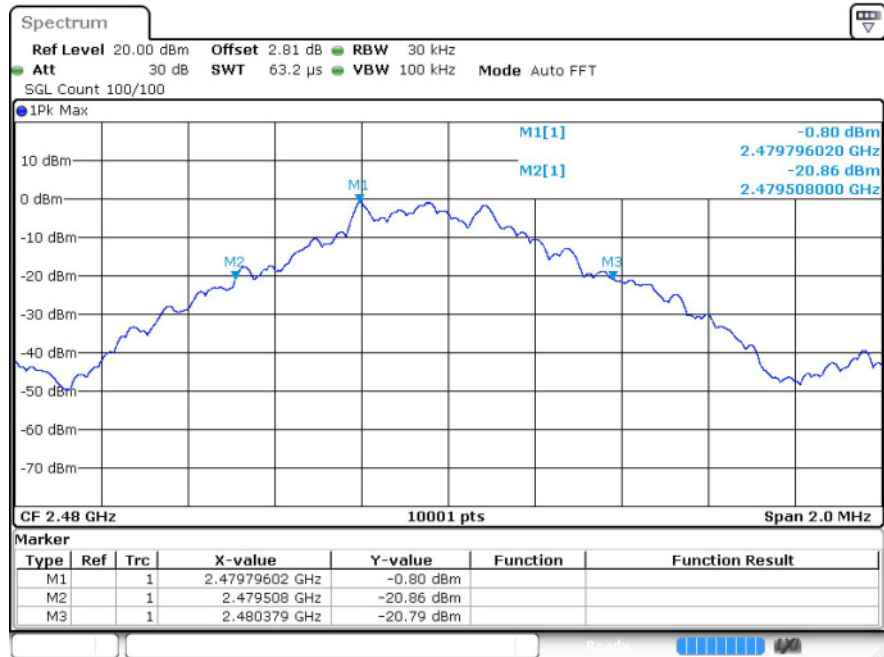
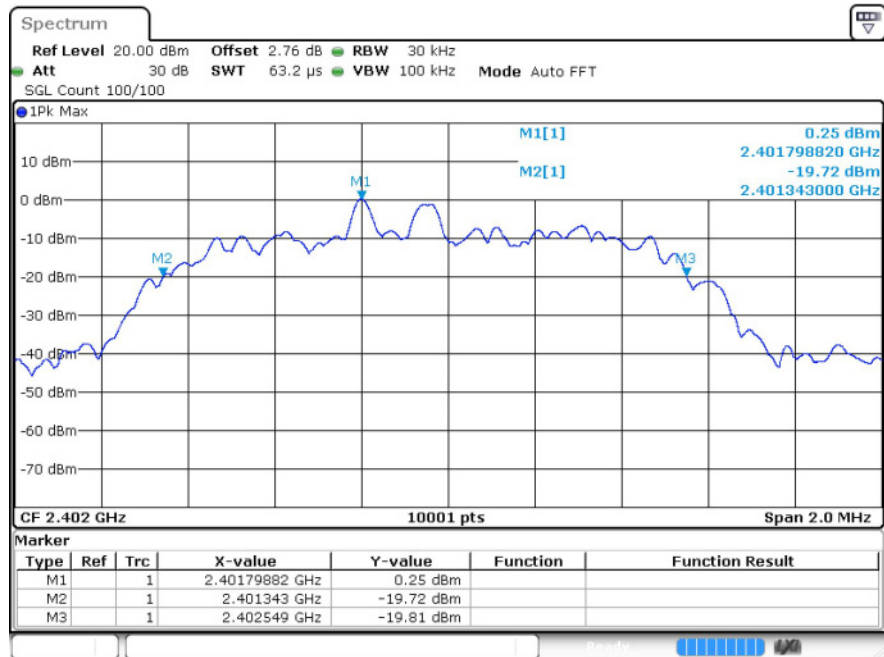
3.1 Test Result

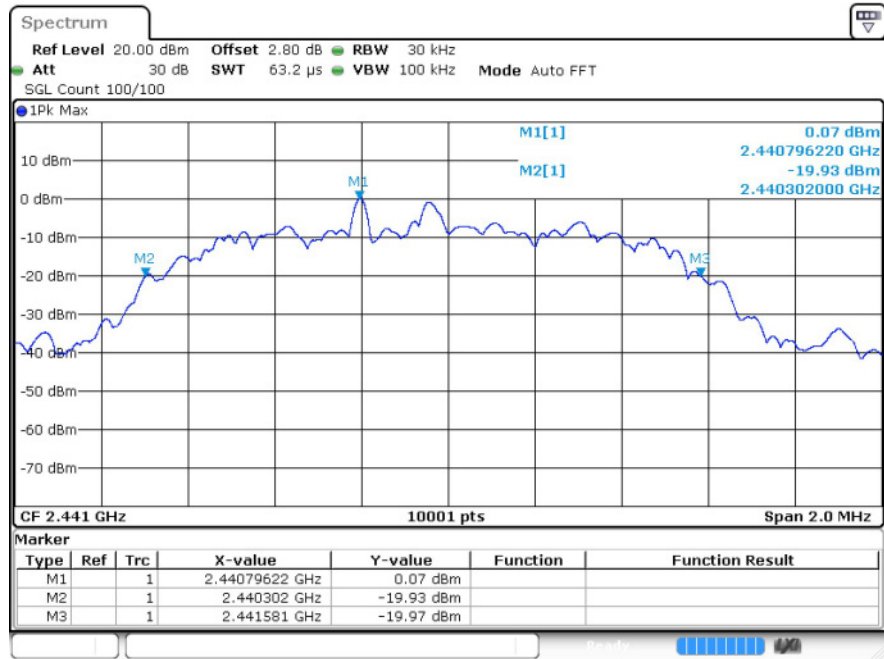
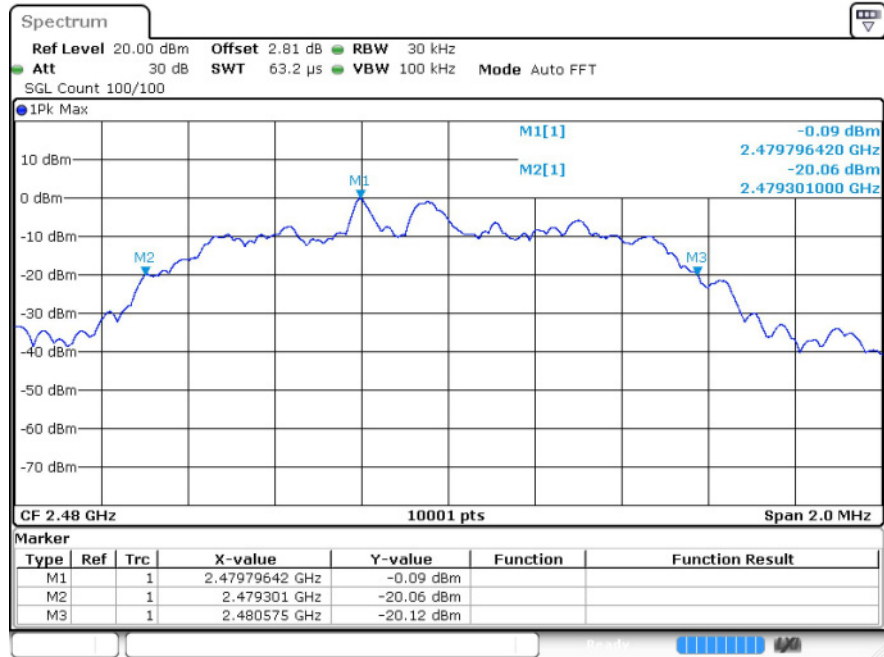
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.925	Not Specified	Pass
	MCH	0.874	Not Specified	Pass
	HCH	0.871	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.206	Not Specified	Pass
	MCH	1.279	Not Specified	Pass
	HCH	1.274	Not Specified	Pass
8DPSK	LCH	1.215	Not Specified	Pass
	MCH	1.224	Not Specified	Pass
	HCH	1.236	Not Specified	Pass

3.2 Test Graphs

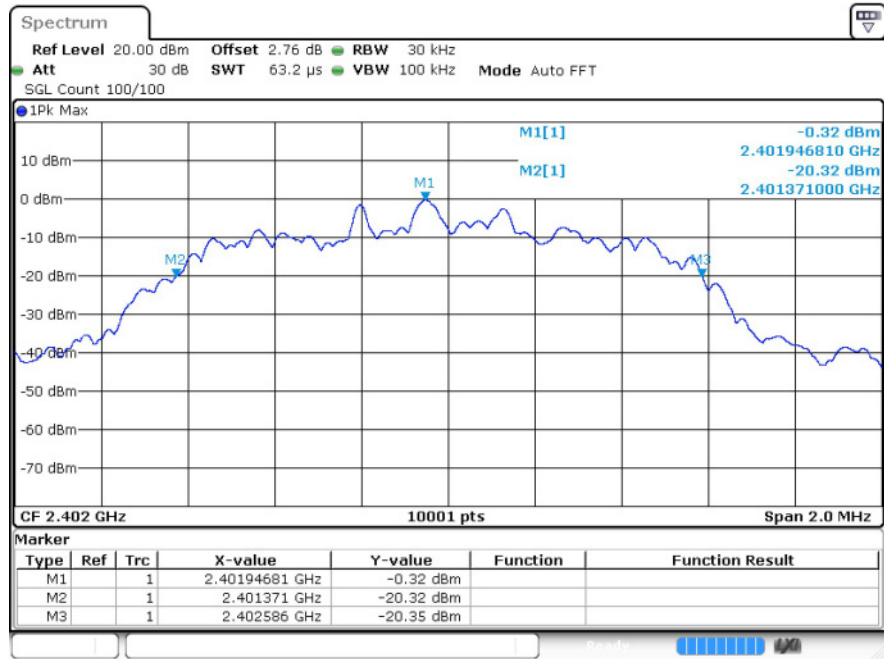


GFSK/HCH

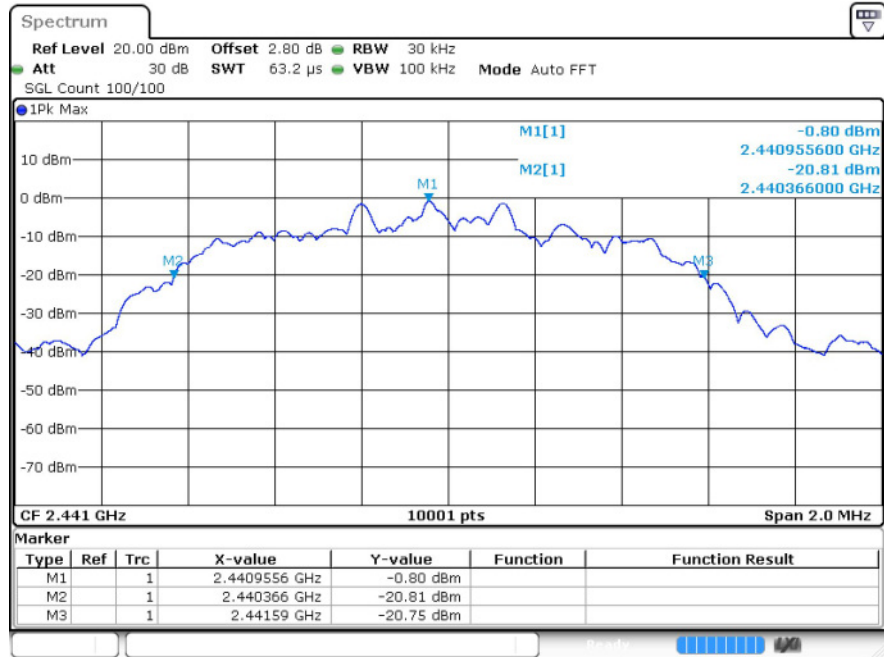

 $\pi/4$ DQPSK/LCH


$\pi/4$ DQPSK/MCH

 $\pi/4$ DQPSK/HCH


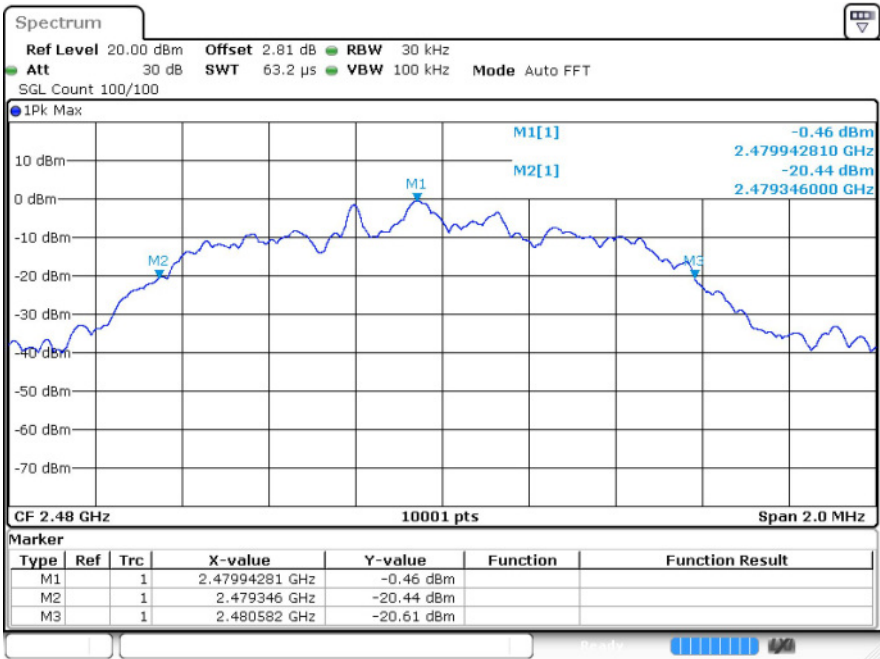
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

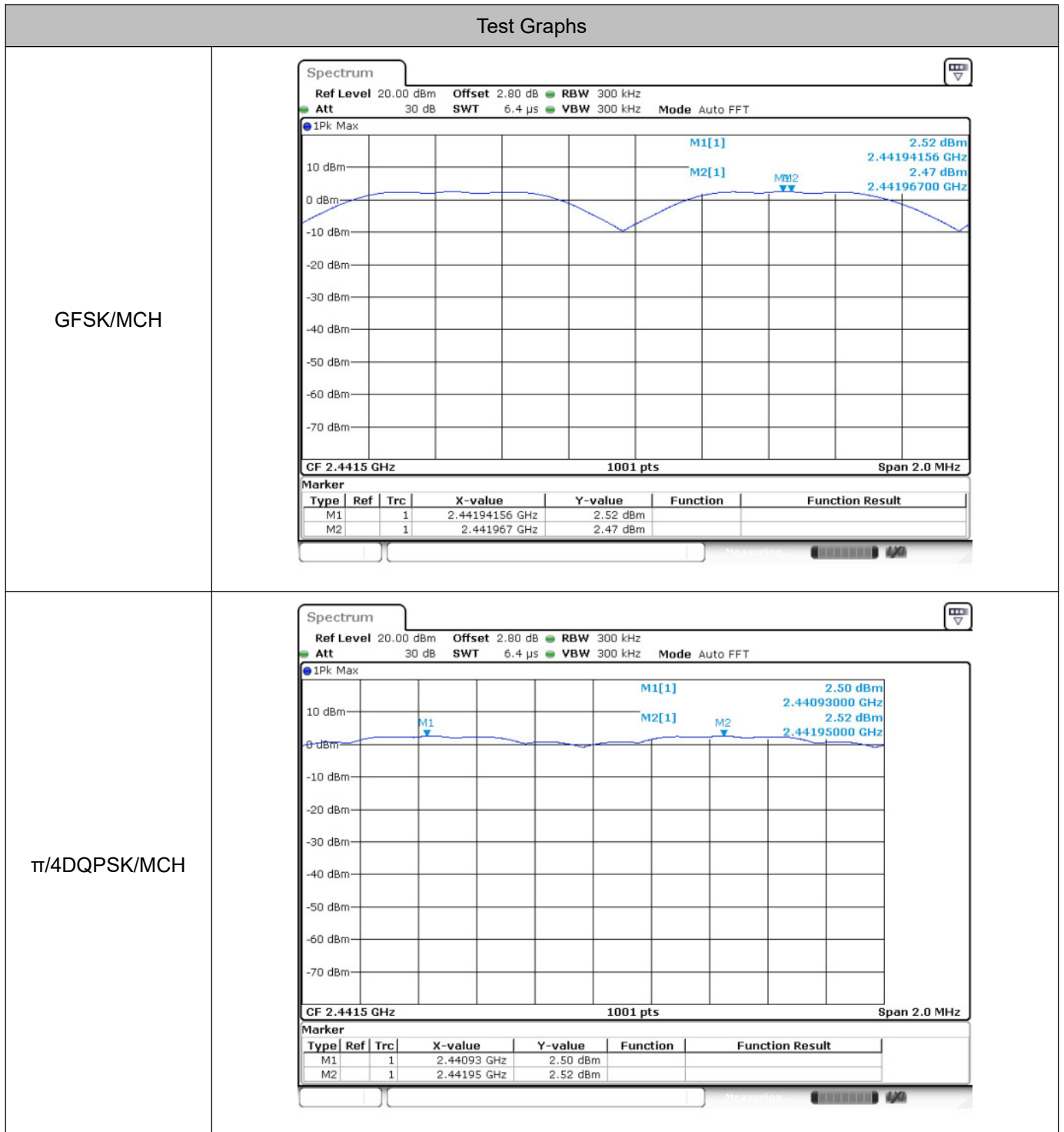


4 Carrier Frequency Separation

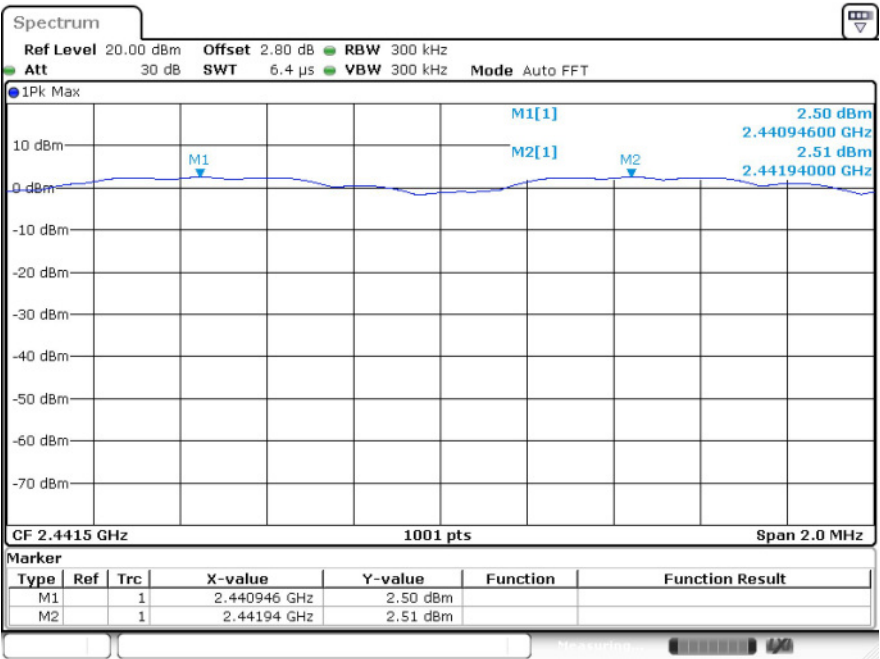
4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	1221.253	0.583	Pass
$\pi/4$ DQPSK	MCH	1.02	0.853	Pass
8DPSK	MCH	0.994	0.816	Pass

4.2 Test Graphs



8DPSK/MCH

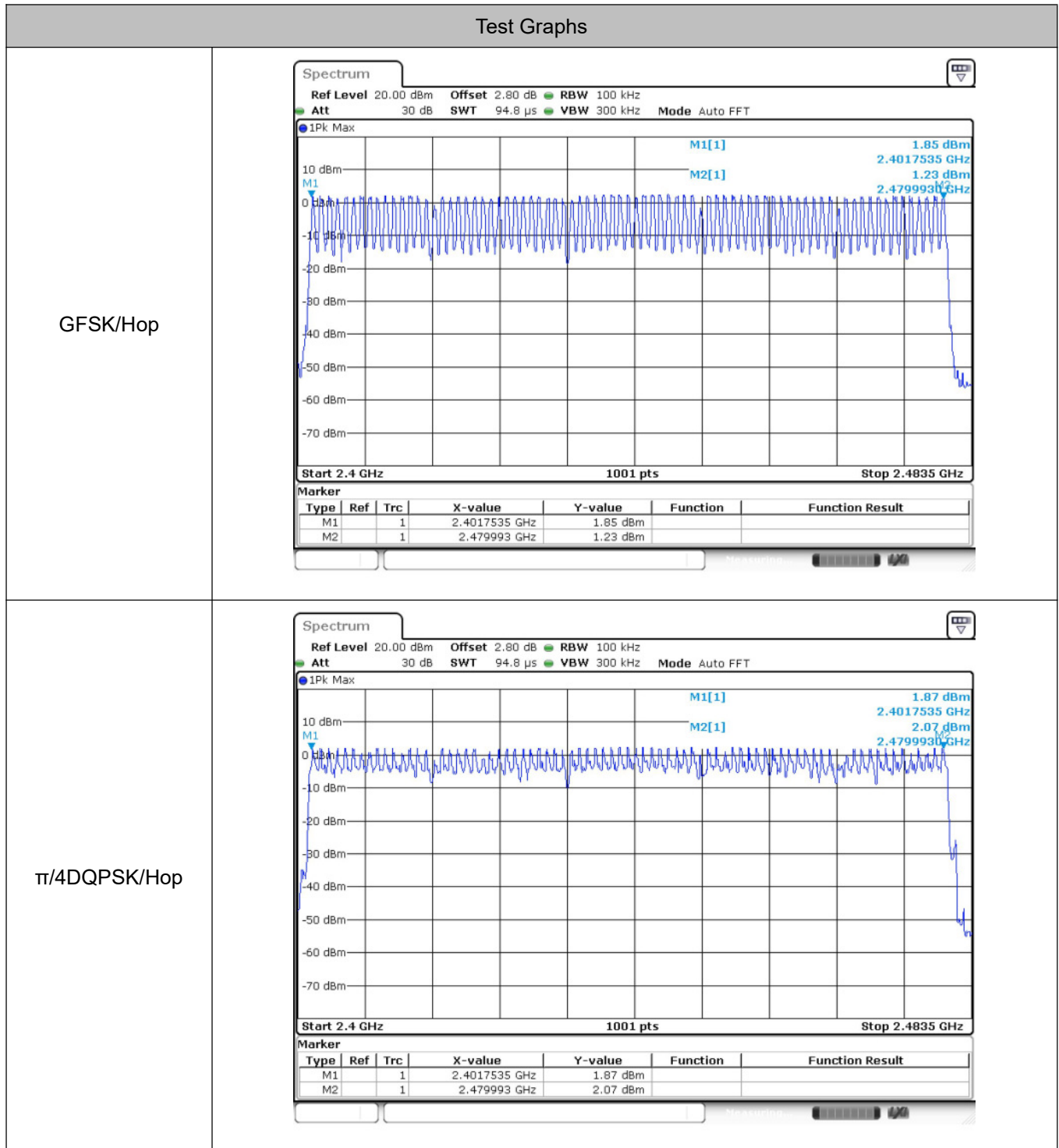


5 Hopping Channel Number

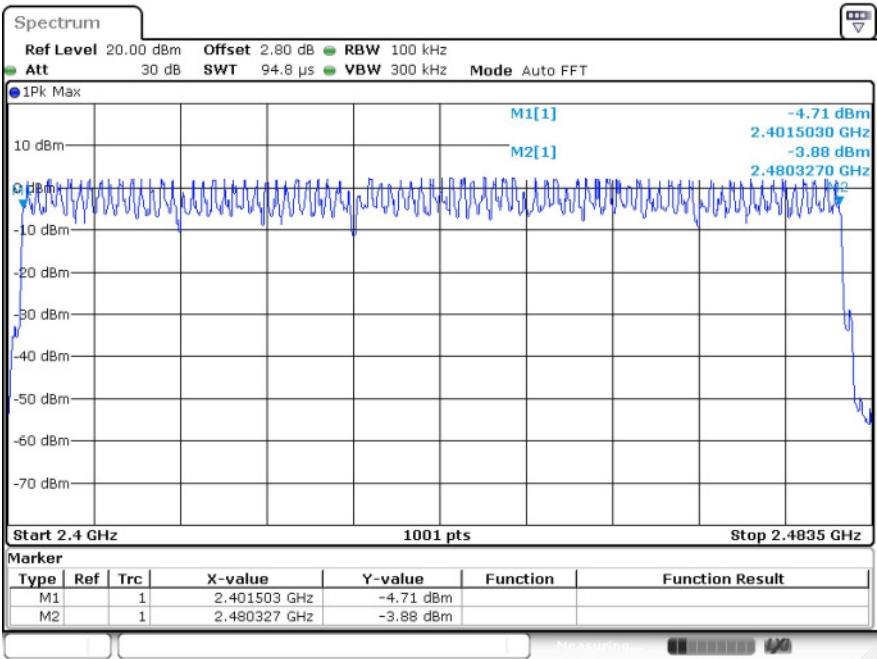
5.1 Test Result

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



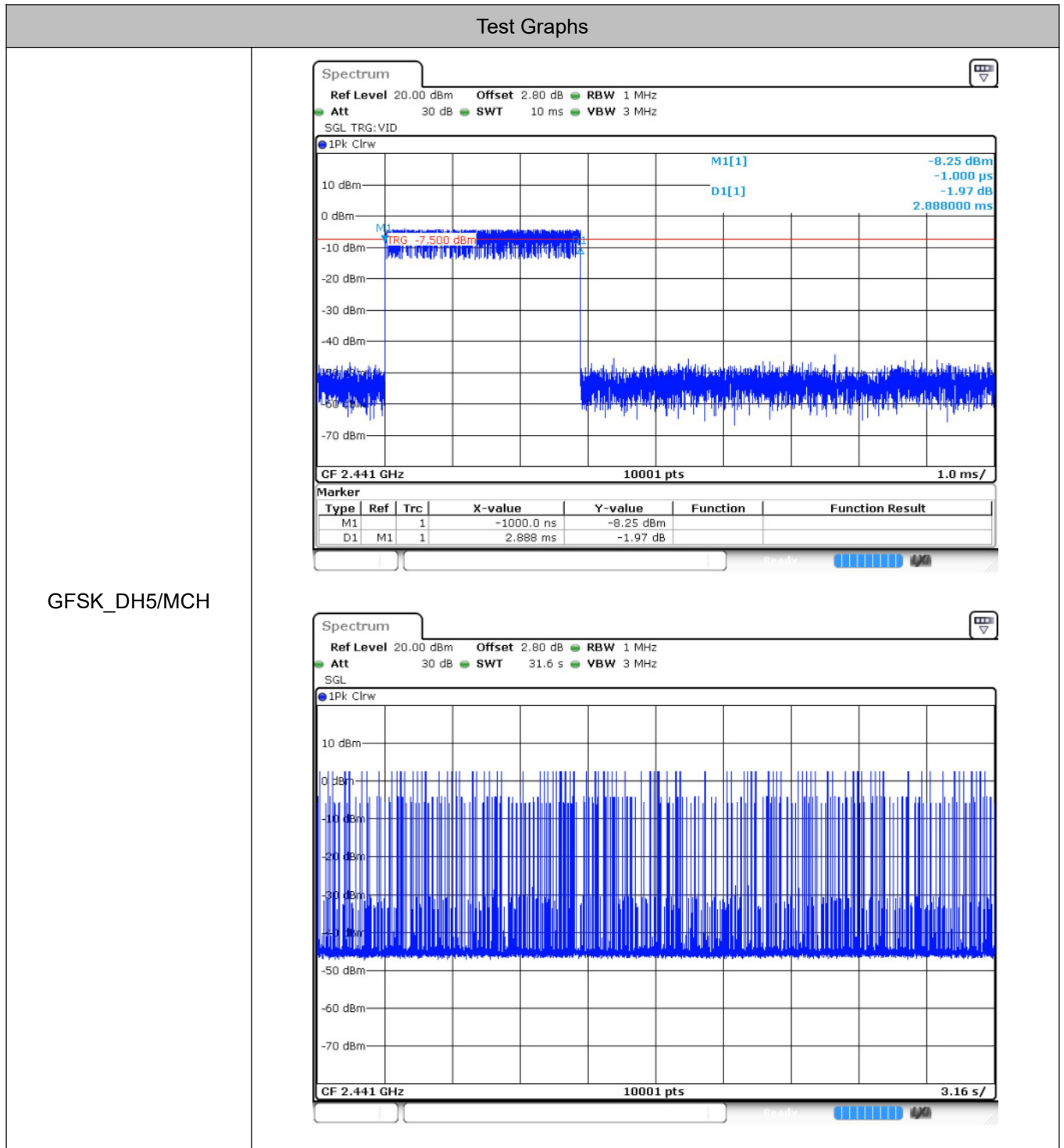


6 Dwell Time

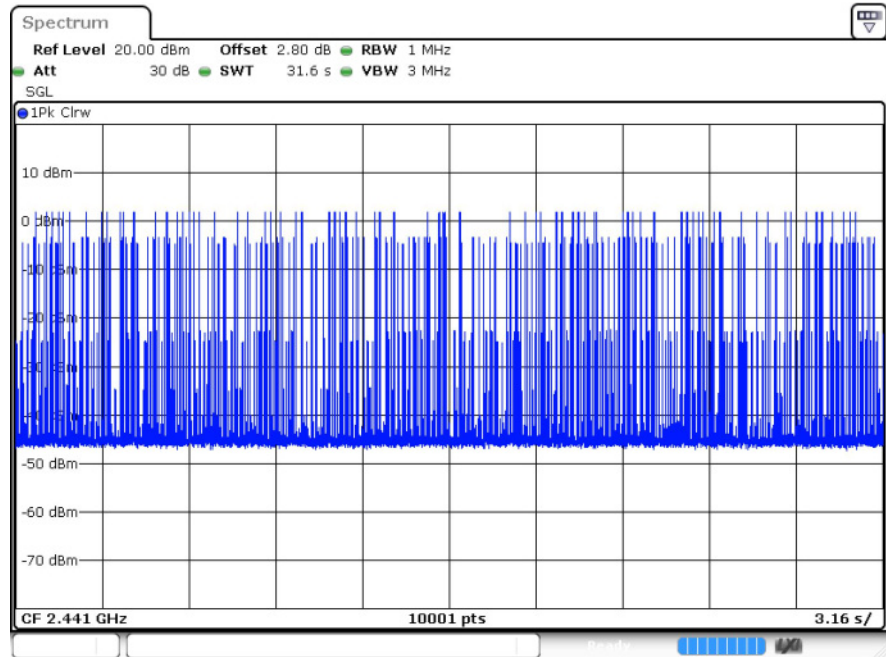
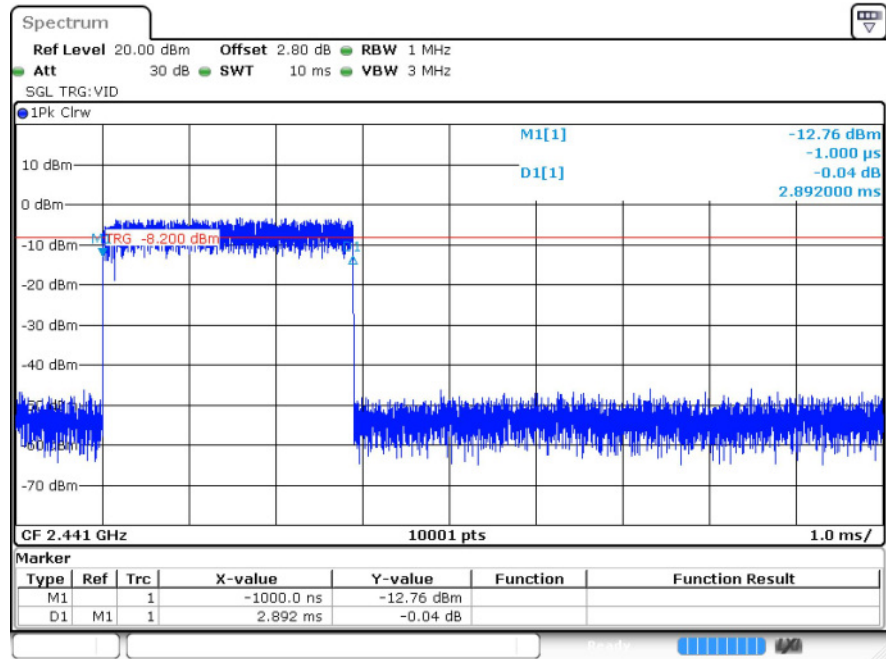
6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.888	113	326.344	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.892	93	268.956	0.4	Pass
8DPSK	3DH5	MCH	2.894	106	306.764	0.4	Pass

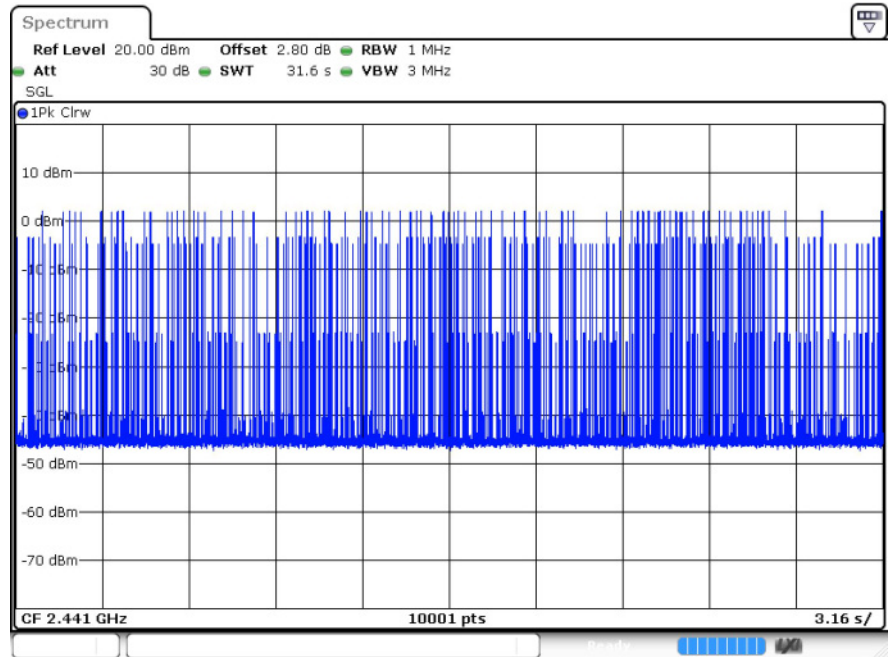
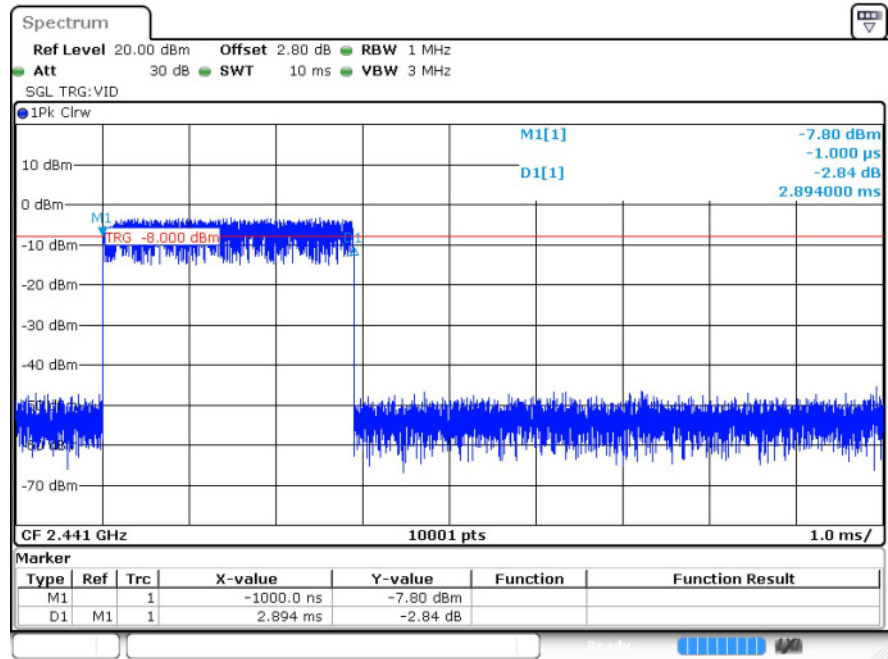
6.2 Test Graphs



$\pi/4$ DQPSK
_2DH5/MCH



8DPSK_3DH5/MCH



7 RF Conducted Spurious Emissions

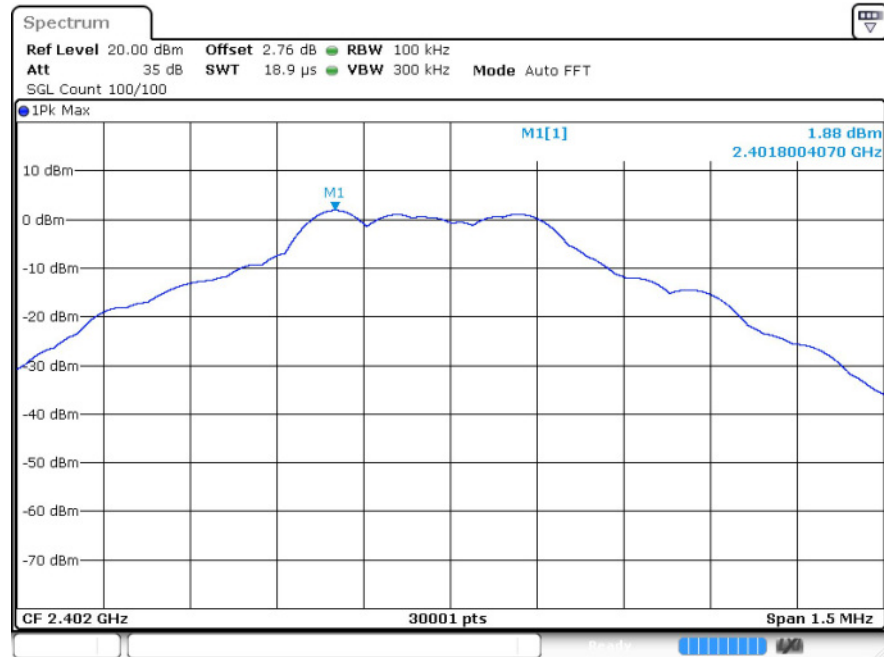
7.1 Test Result

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-41.79	-20	Pass
	MCH	-42.45	-20	Pass
	HCH	-41.93	-20	Pass
$\pi/4$ DQPSK	LCH	-41.48	-20	Pass
	MCH	-41.96	-20	Pass
	HCH	-41.32	-20	Pass
8DPSK	LCH	-39.02	-20	Pass
	MCH	-42.64	-20	Pass
	HCH	-40.41	-20	Pass

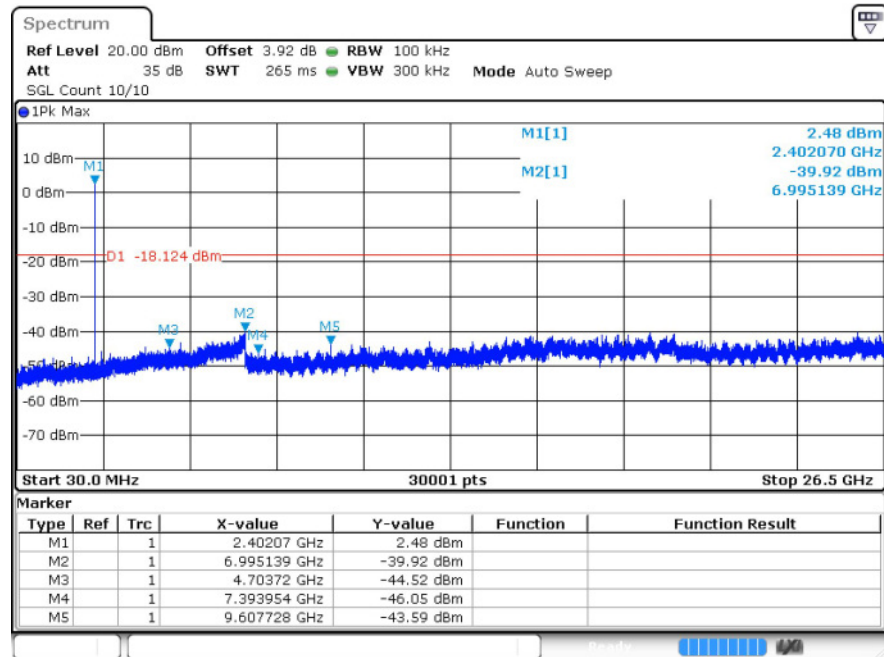
7.2 Test Graphs

GFSK_LCH_Graphs

Pref

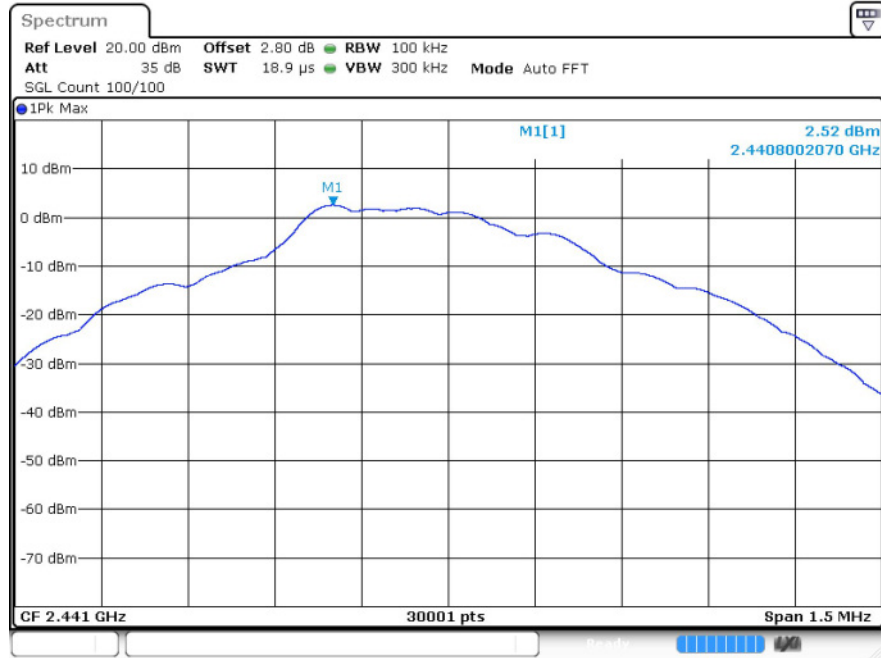


Puw

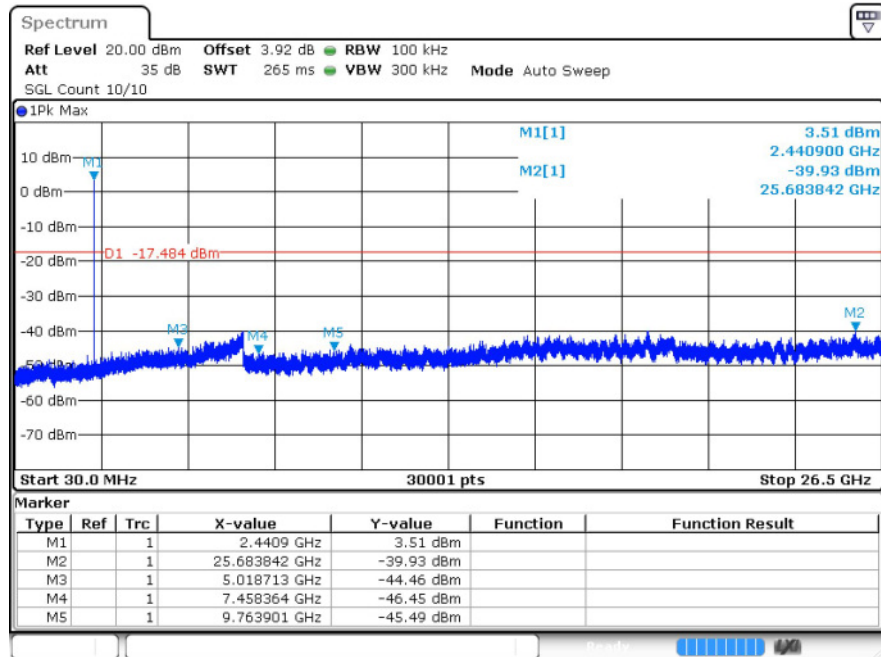


GFSK_MCH_Graphs

Pref

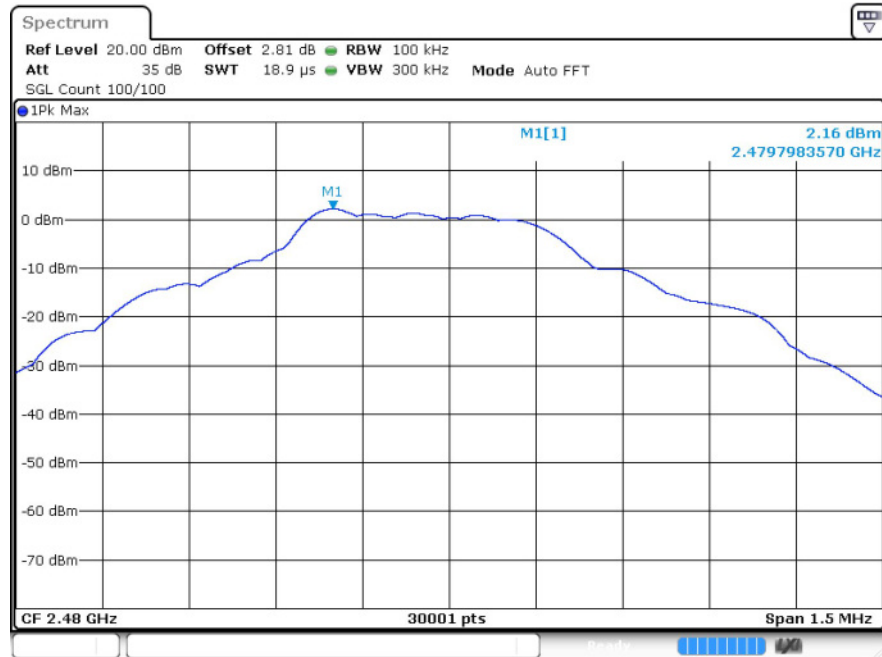


Puw

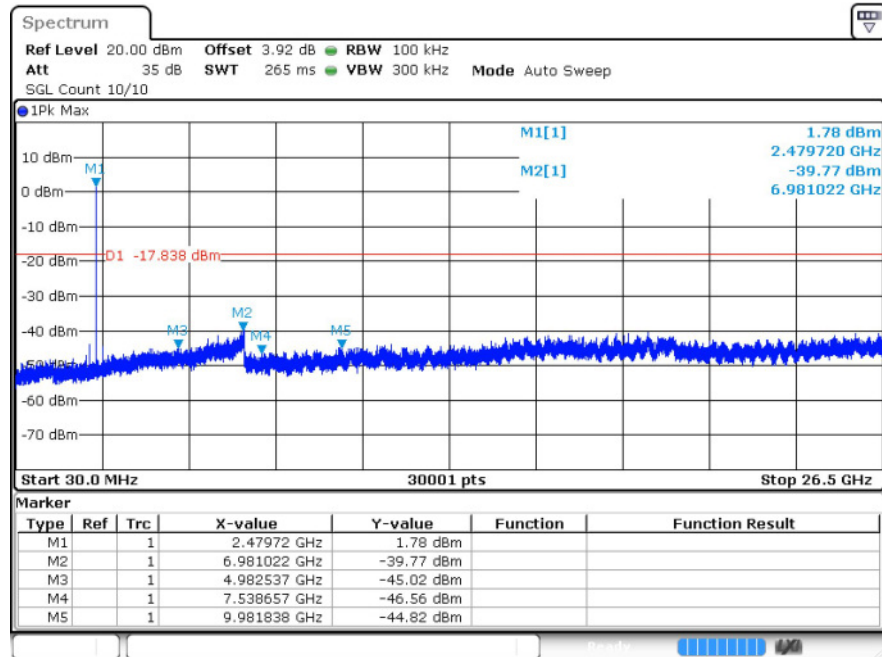


GFSK_HCH_Graphs

Pref

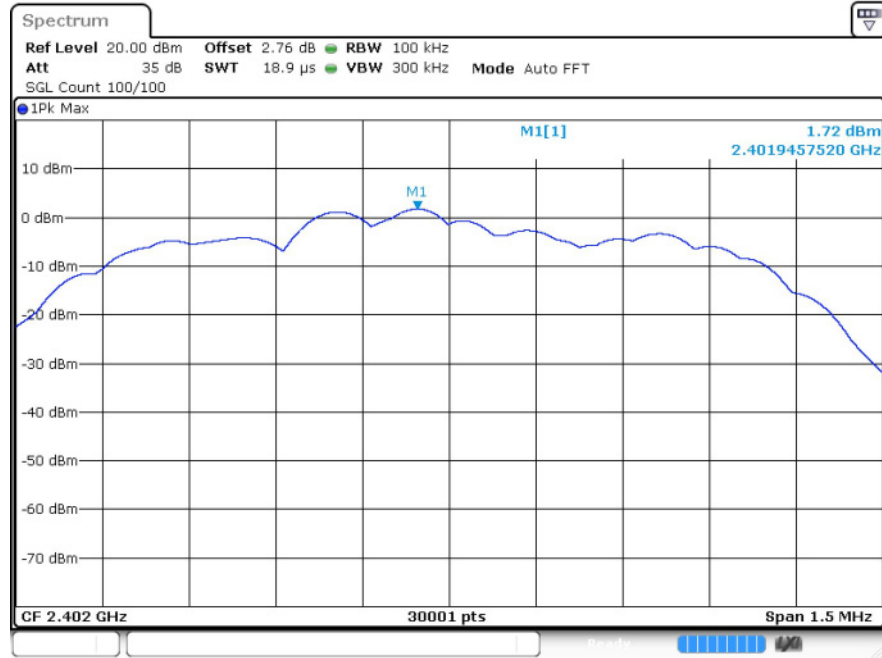


Puw

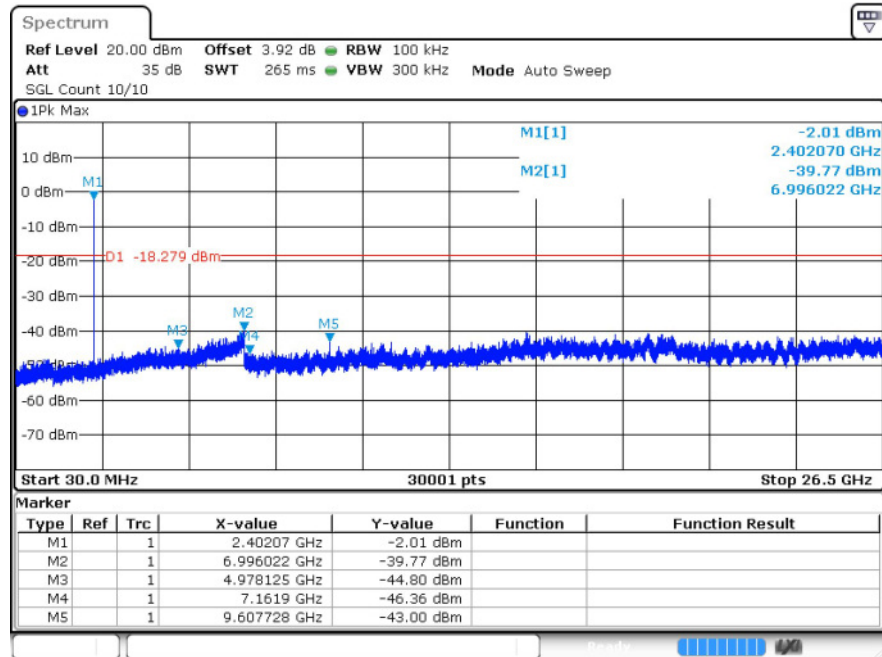


$\pi/4$ DQPSK_LCH_Graphs

Pref

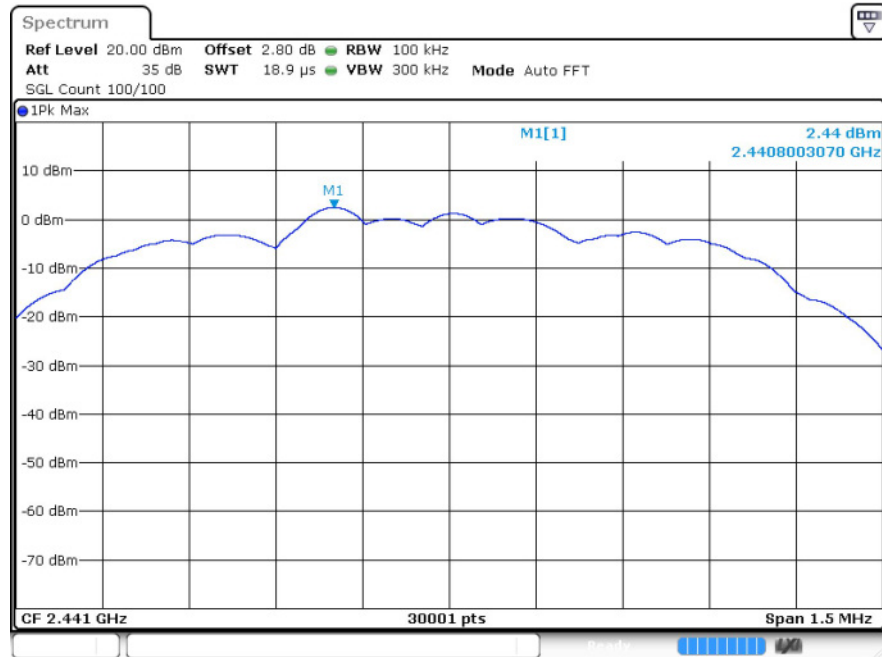


Puw

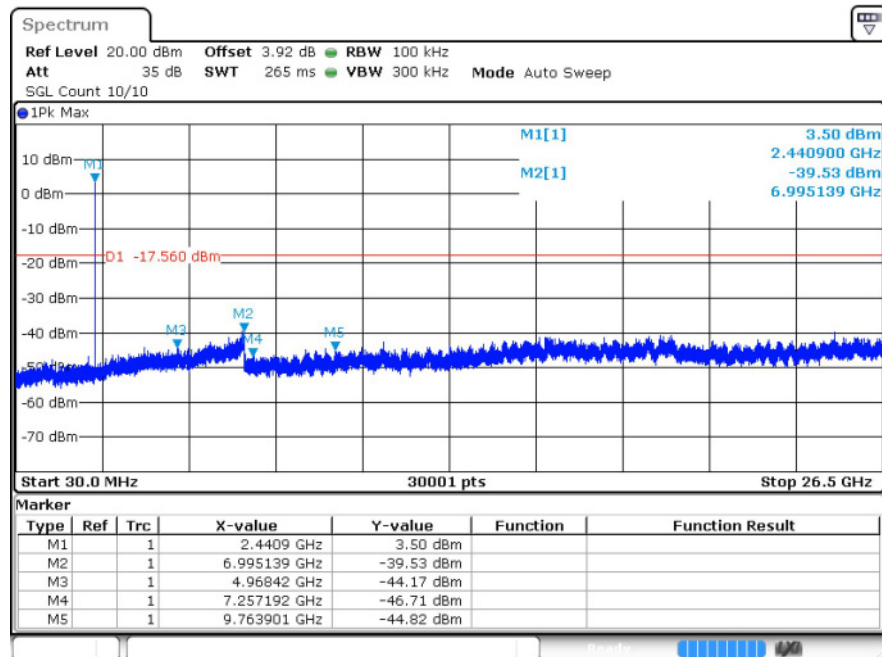


π /4DQPSK_MCH_Graphs

Pref

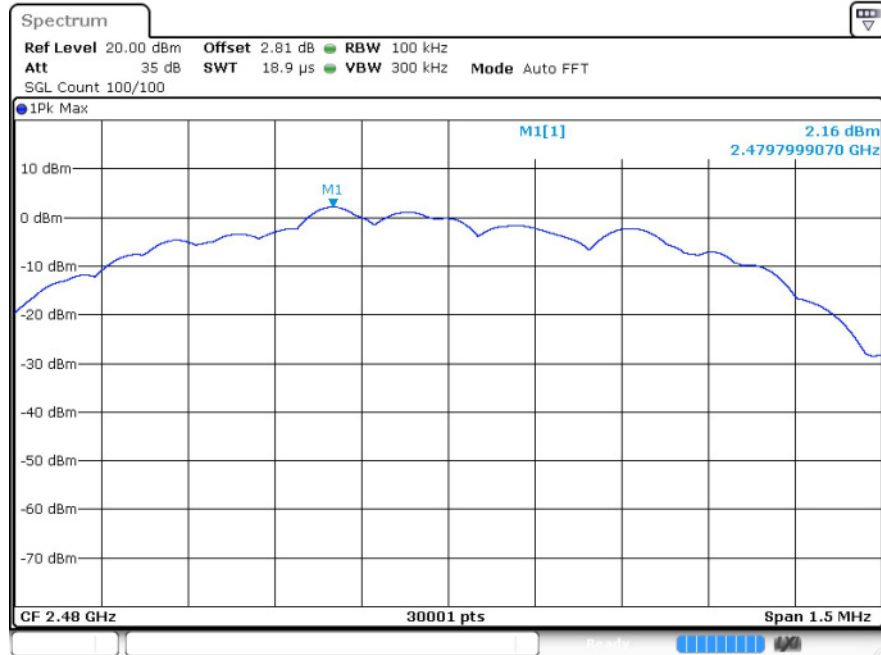


Puw



$\pi/4$ DQPSK_HCH_Graphs

Pref



Puw

