

## Appendix A

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

Product Name: Notebook computer

Trade Mark: Blackview

Test Model: AceBook 8

**Environmental Conditions**

Temperature:	25.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

# Contents

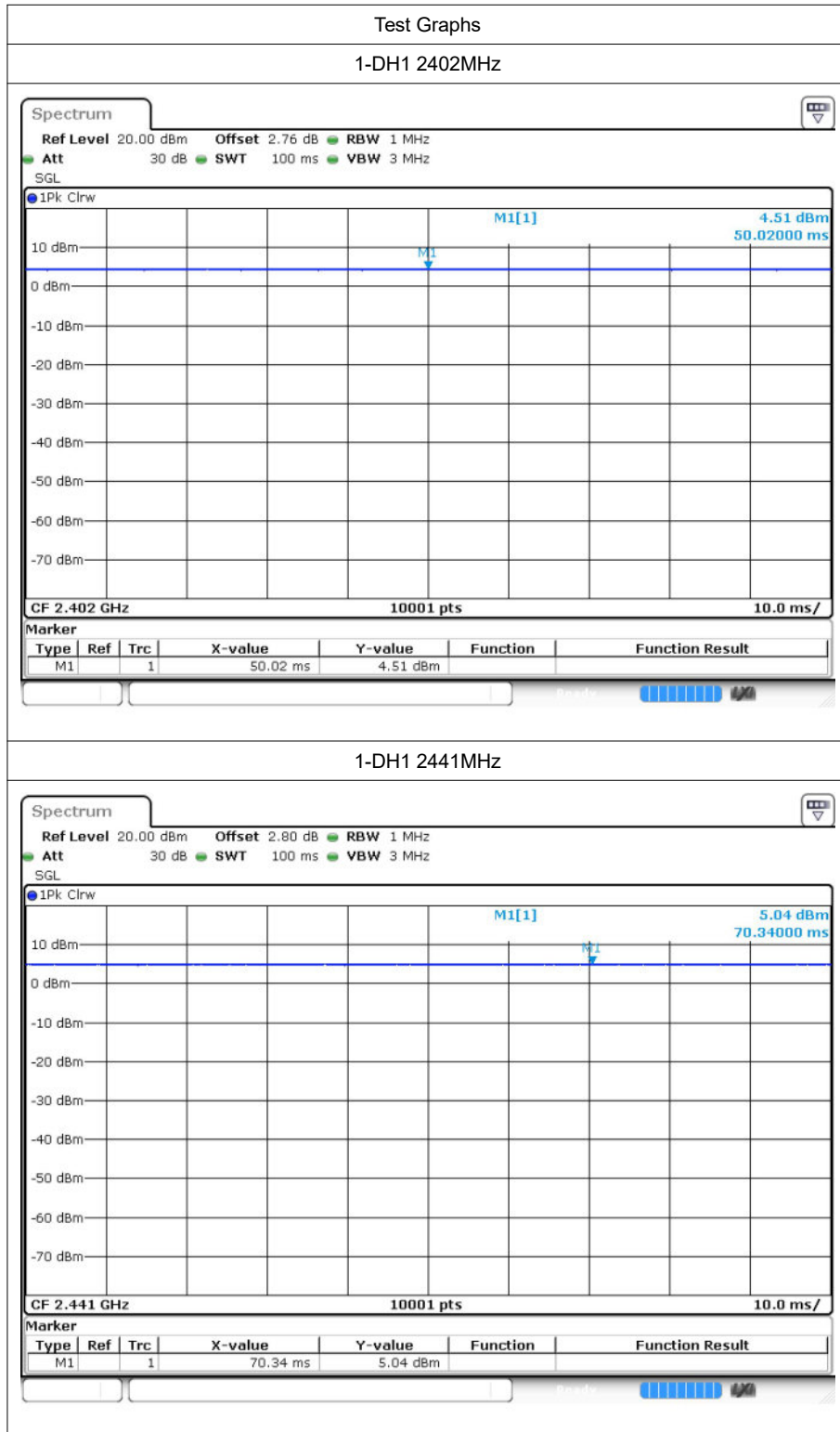
	Page
<b>COVER PAGE</b>	
1 Duty Cycle .....	3
1.1 Test Result .....	3
1.2 Test Graphs .....	4
2 Maximum Conducted Peak Output Power .....	9
2.1 Test Result .....	9
2.2 Test Graphs .....	10
3 20dB Bandwidth .....	15
3.1 Test Result .....	15
3.2 Test Graphs .....	16
4 Carrier Frequency Separation .....	21
4.1 Test Result .....	21
4.2 Test Graphs .....	22
5 Hopping Channel Number .....	24
5.1 Test Result .....	24
5.2 Test Graphs .....	25
6 Dwell Time .....	27
6.1 Test Result .....	27
6.2 Test Graphs .....	28
7 RF Conducted Spurious Emissions .....	31
7.1 Test Result .....	31
7.2 Test Graphs .....	32
8 Band-edge for RF Conducted Emissions .....	41
8.1 Test Result .....	41
8.2 Test Graphs .....	42
9 Restrict-band band-edge measurements .....	54
9.1 Test Result .....	54
9.2 Test Graphs .....	56

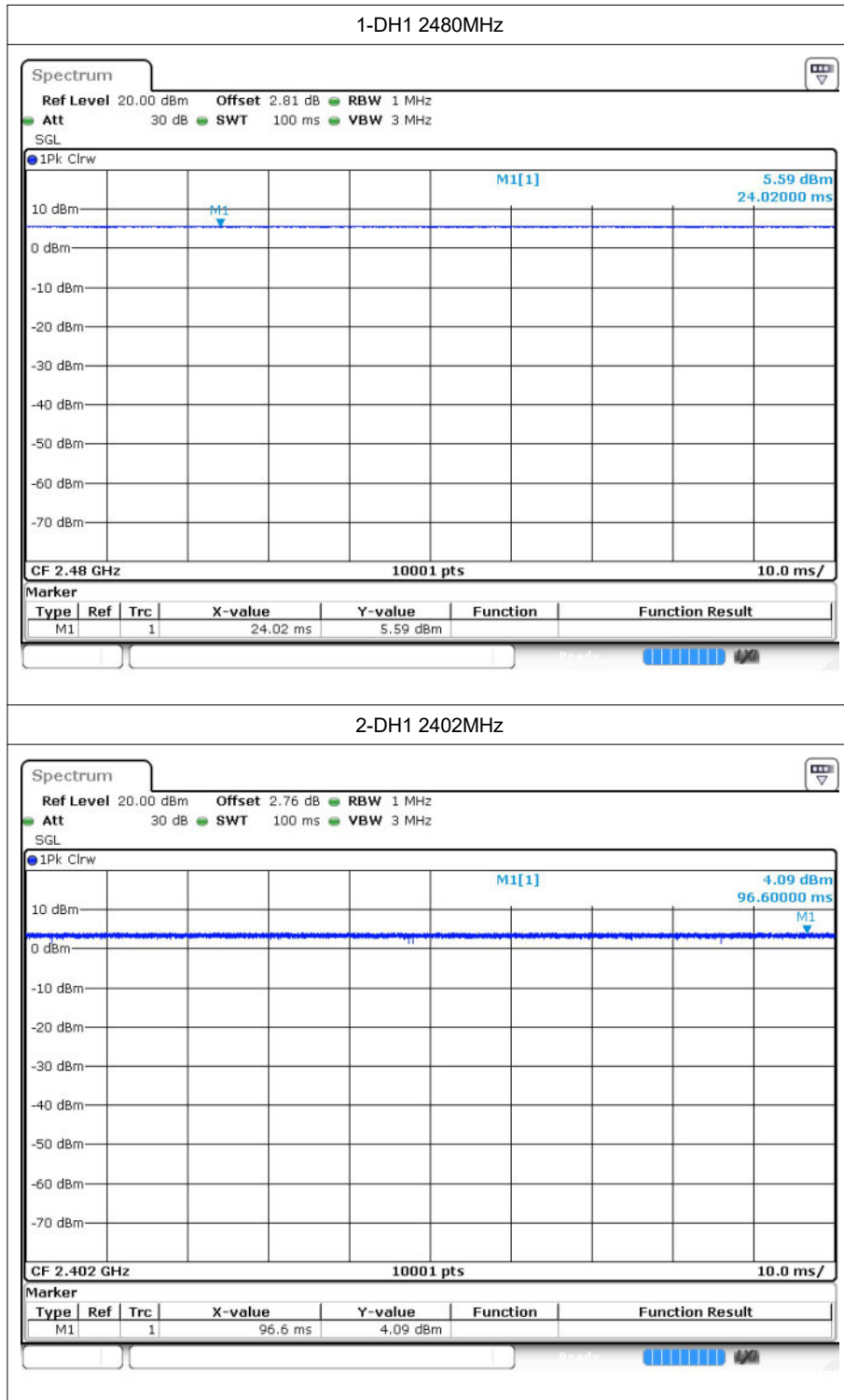
# 1 Duty Cycle

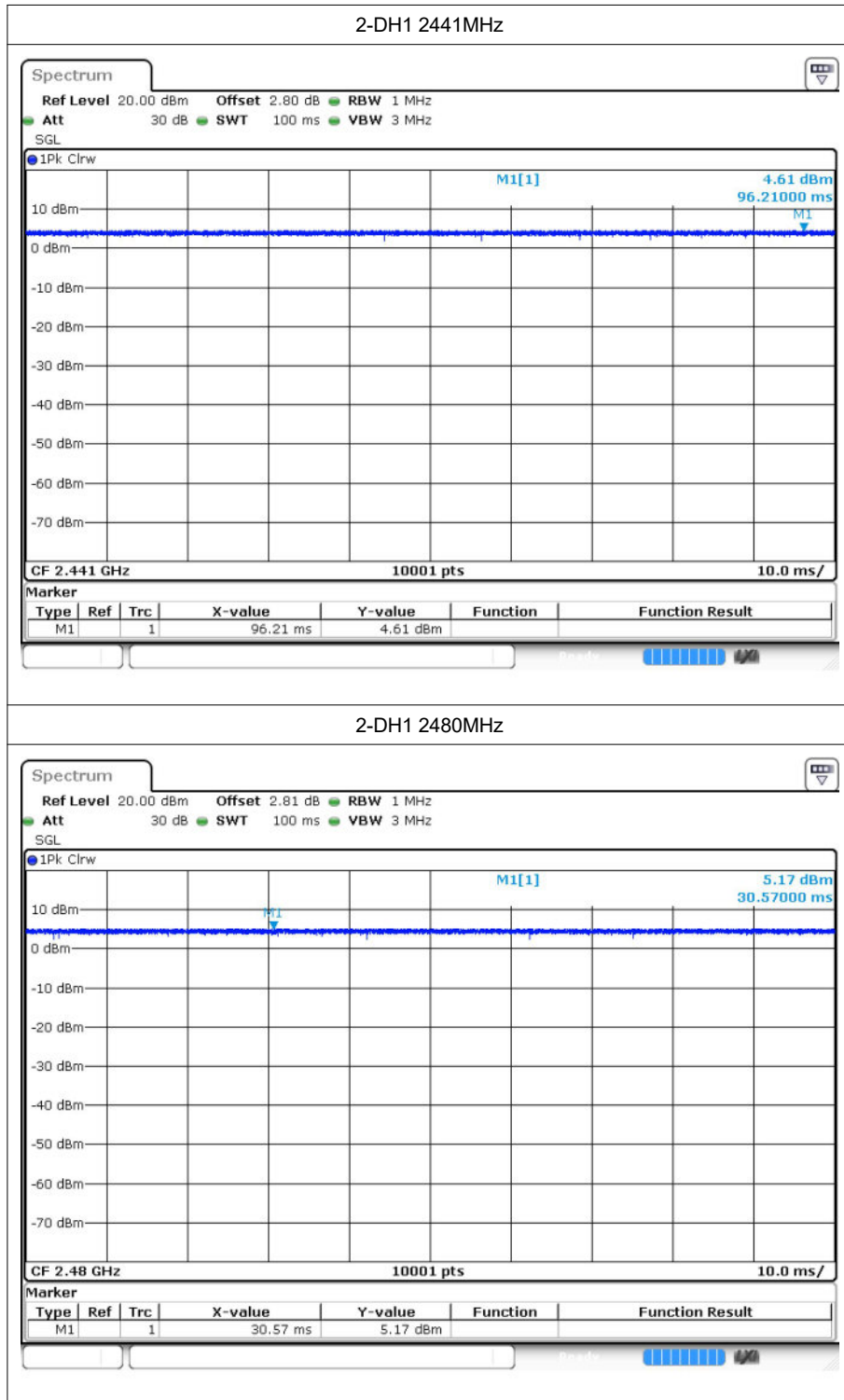
## 1.1 Test Result

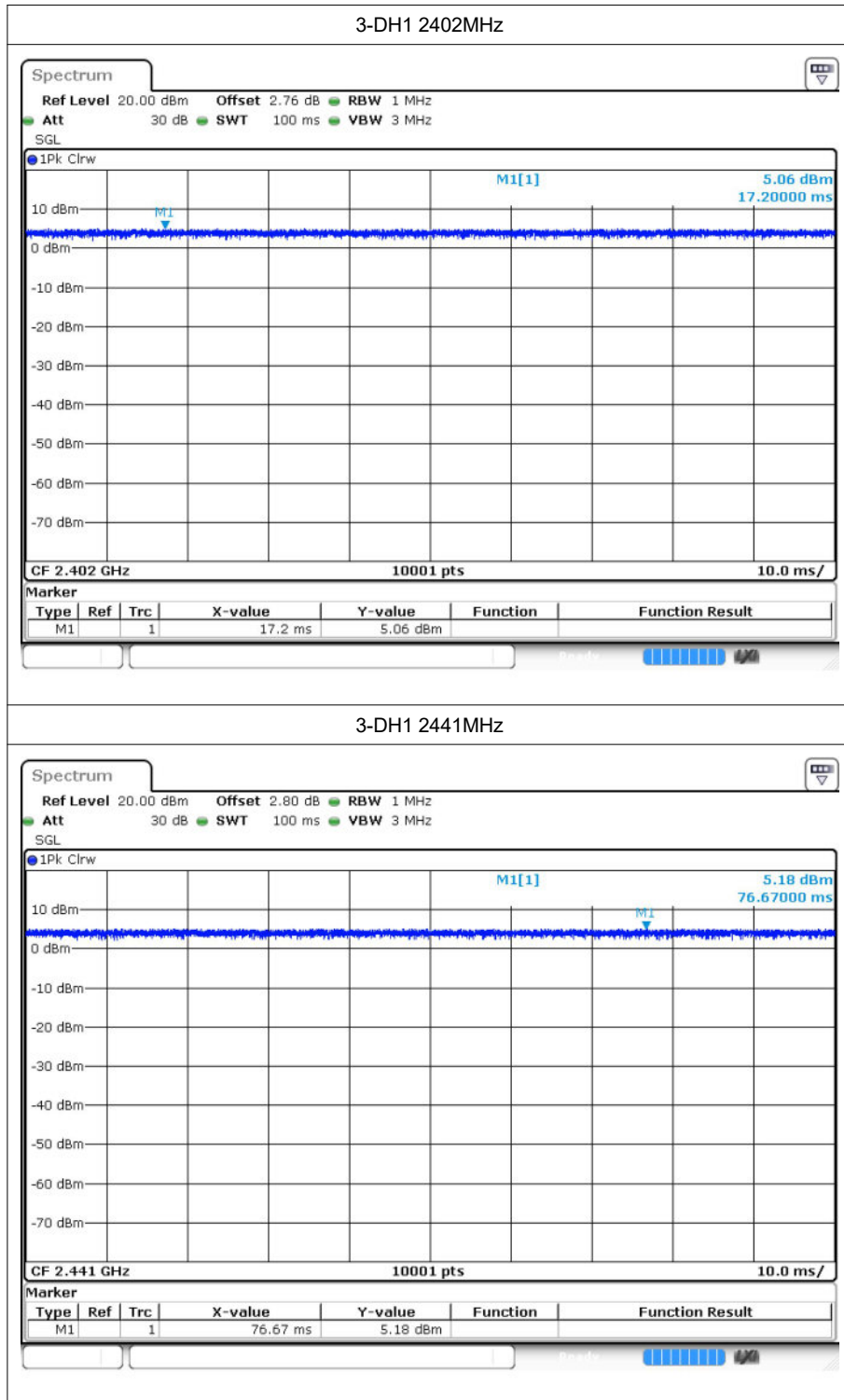
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
1-DH1	2402	31.21	5.06	2.63
1-DH1	2441	31.2	5.06	2.63
1-DH1	2480	31.2	5.06	2.63
2-DH1	2402	32	4.95	2.56
2-DH1	2441	31.2	5.06	2.63
2-DH1	2480	31.39	5.03	2.56
3-DH1	2402	32	4.95	2.56
3-DH1	2441	32	4.95	2.56
3-DH1	2480	32	4.95	2.56

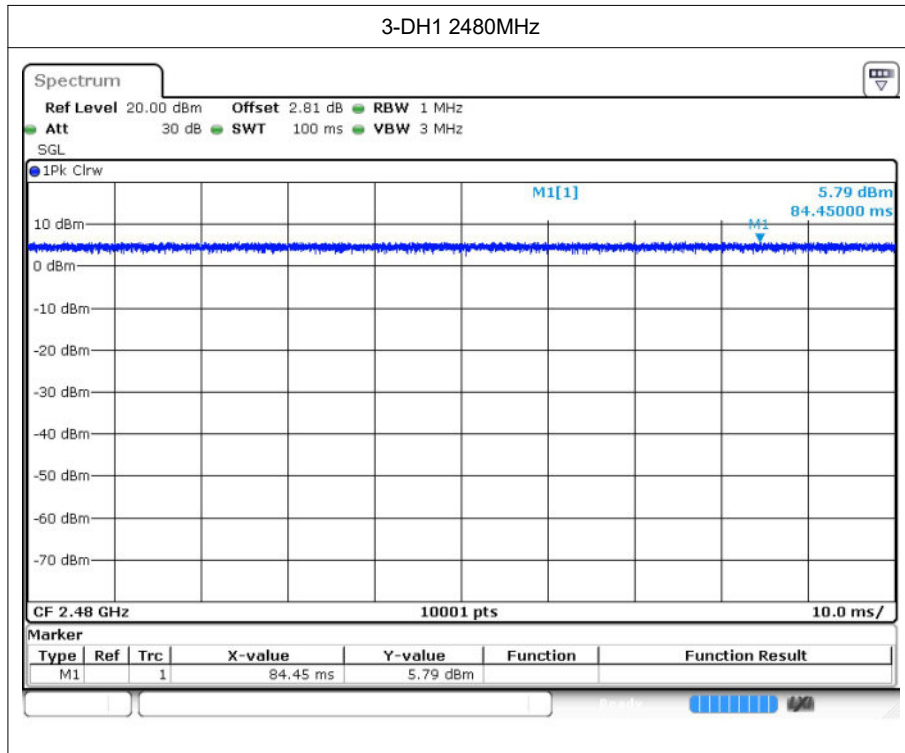
## 1.2 Test Graphs











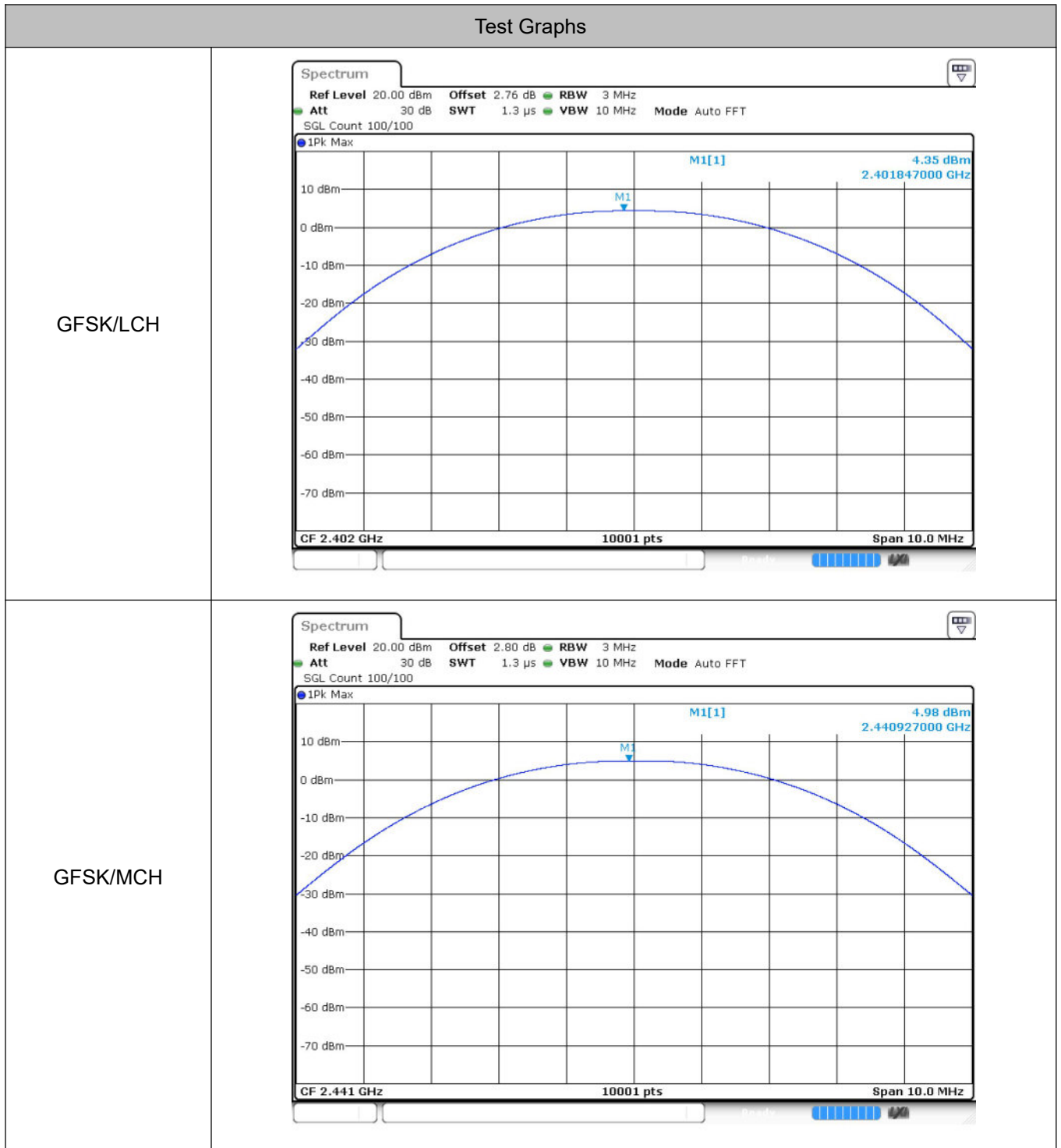


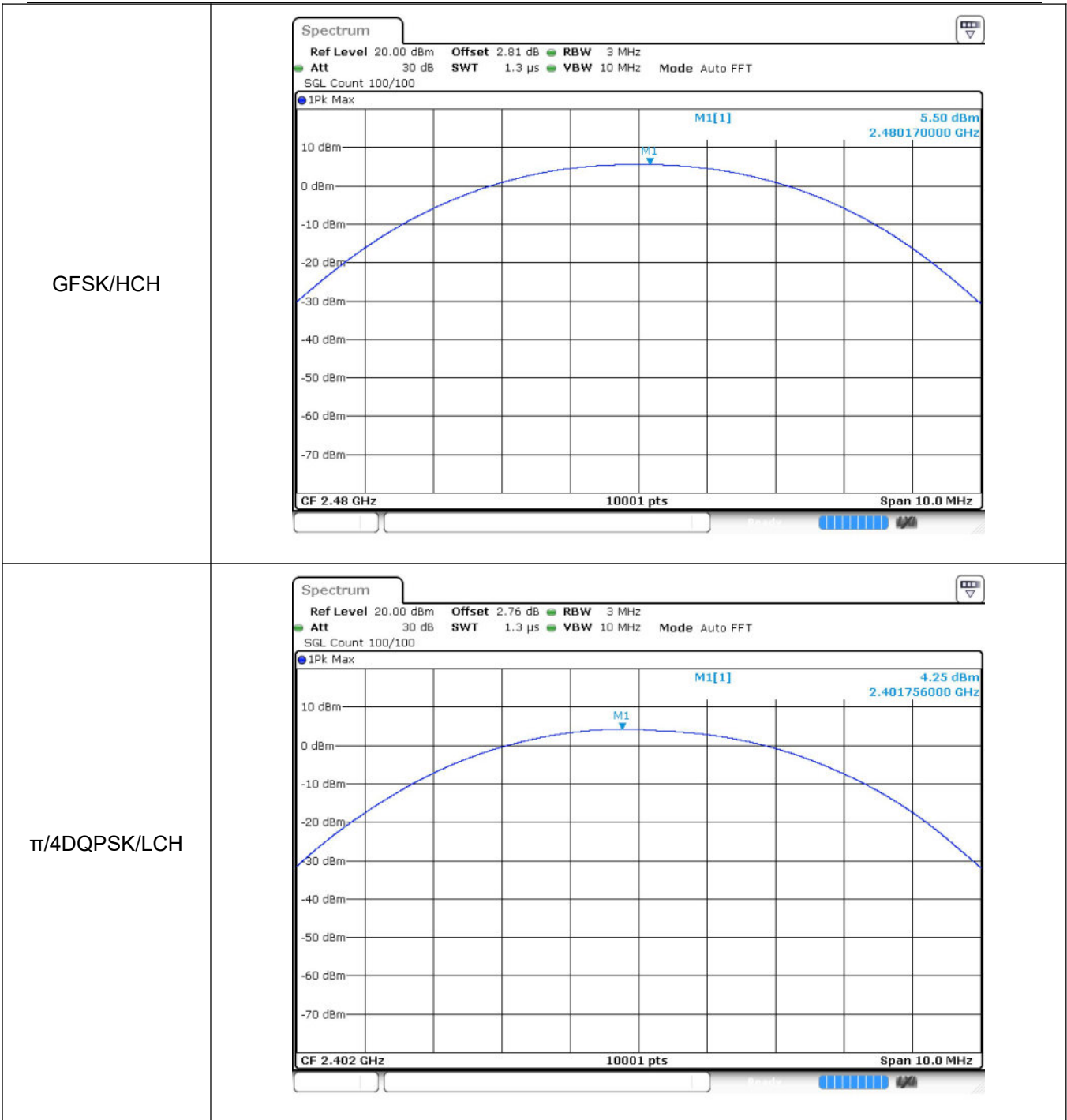
## 2 Maximum Conducted Peak Output Power

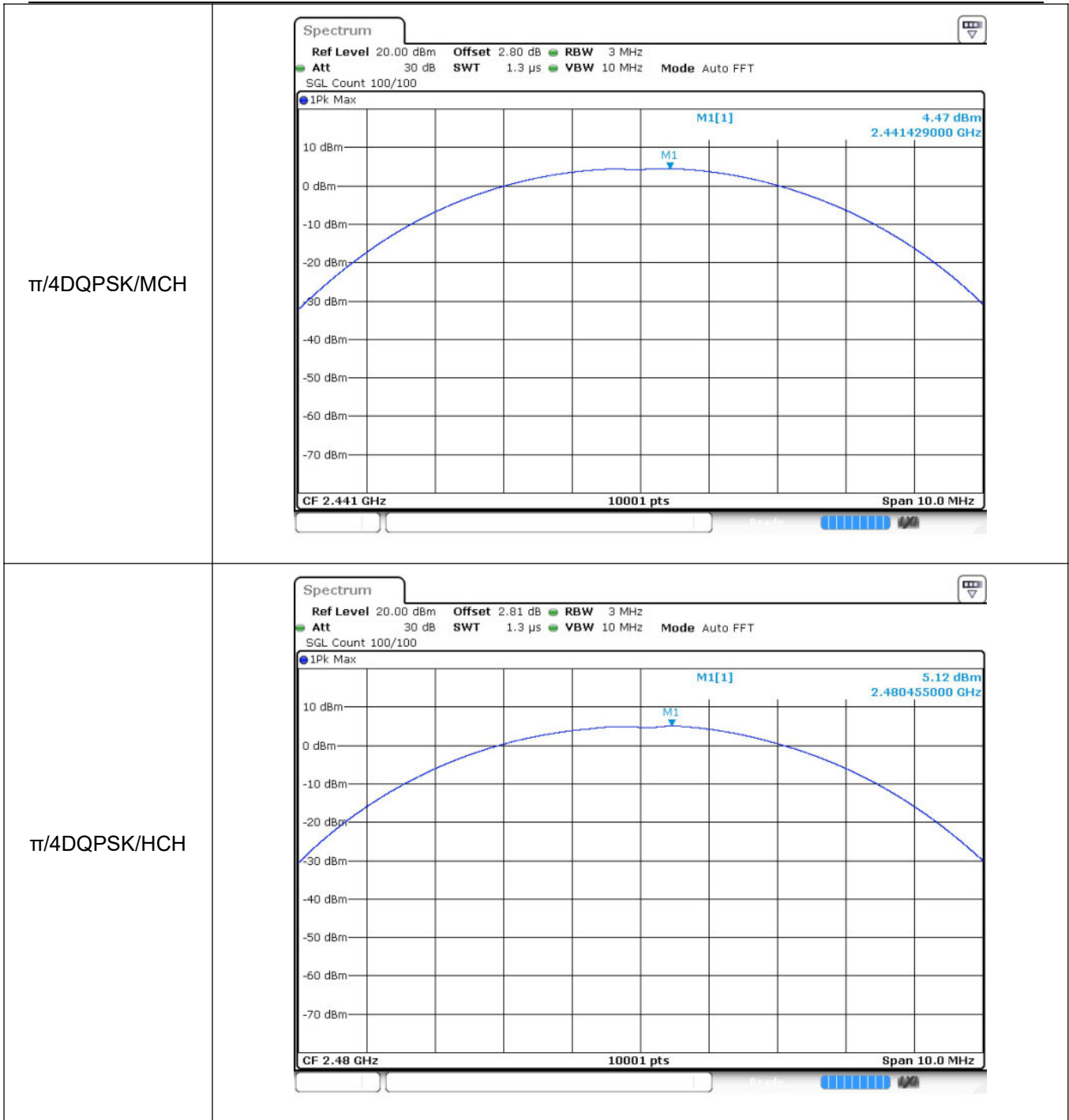
### 2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	4.35	21	Pass
	MCH	4.98	21	Pass
	HCH	5.5	21	Pass
$\pi/4$ DQPSK	LCH	4.25	21	Pass
	MCH	4.47	21	Pass
	HCH	5.12	21	Pass
8DPSK	LCH	4.8	21	Pass
	MCH	5.15	21	Pass
	HCH	5.29	21	Pass

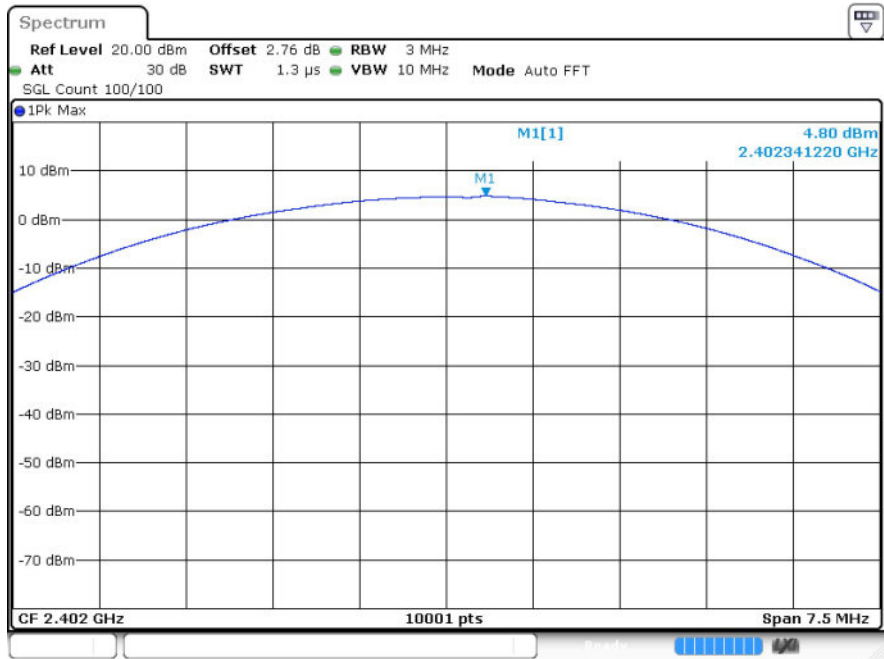
## 2.2 Test Graphs



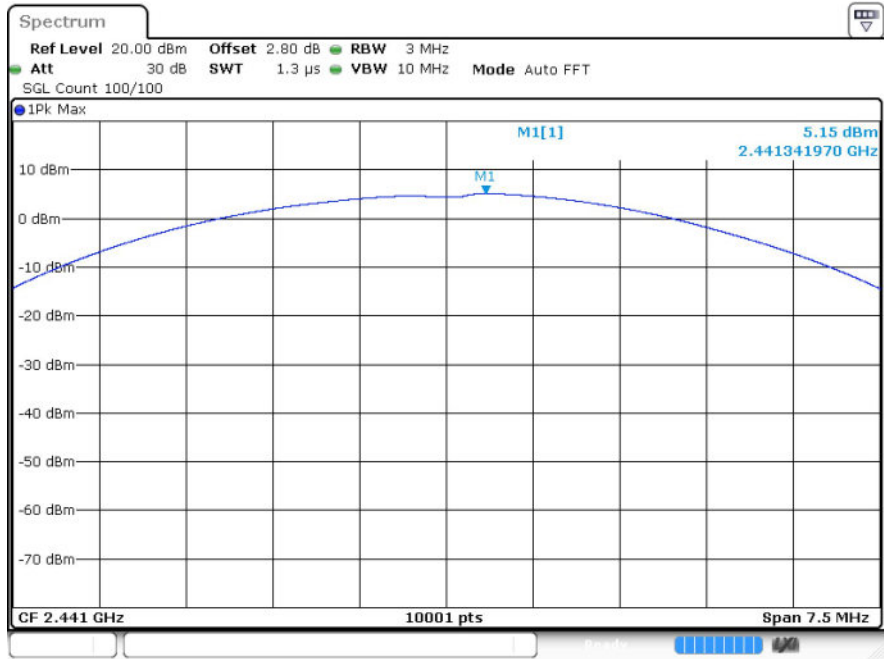




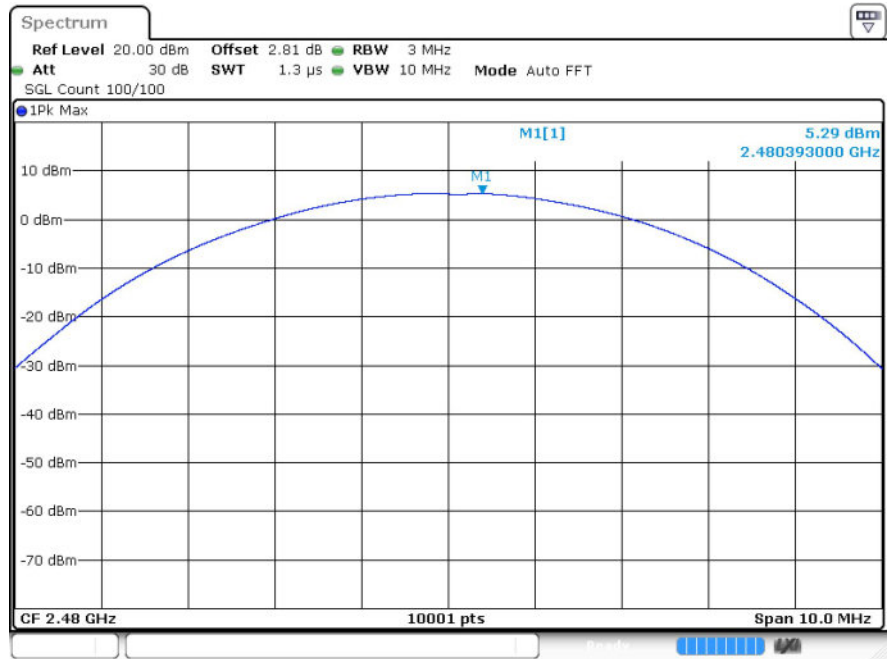
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

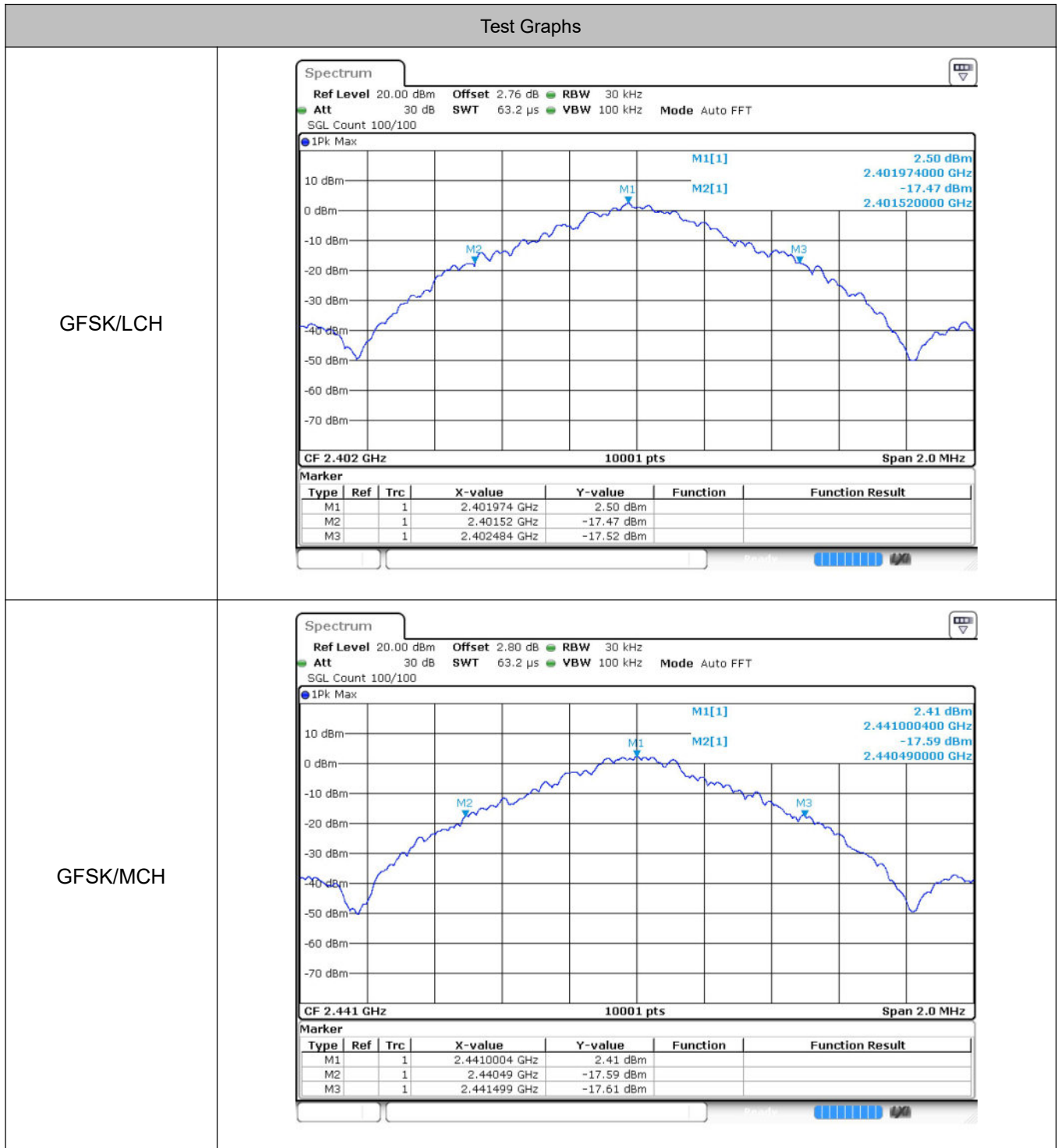


### 3 20dB Bandwidth

#### 3.1 Test Result

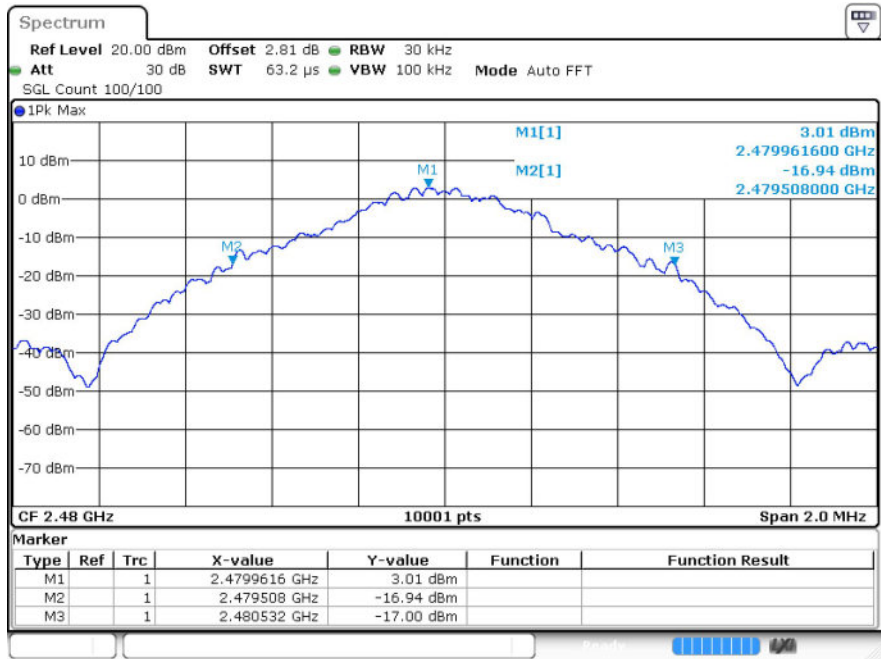
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.964	Not Specified	Pass
	MCH	1.009	Not Specified	Pass
	HCH	1.024	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.353	Not Specified	Pass
	MCH	1.354	Not Specified	Pass
	HCH	1.352	Not Specified	Pass
8DPSK	LCH	1.356	Not Specified	Pass
	MCH	1.349	Not Specified	Pass
	HCH	1.338	Not Specified	Pass

### 3.2 Test Graphs

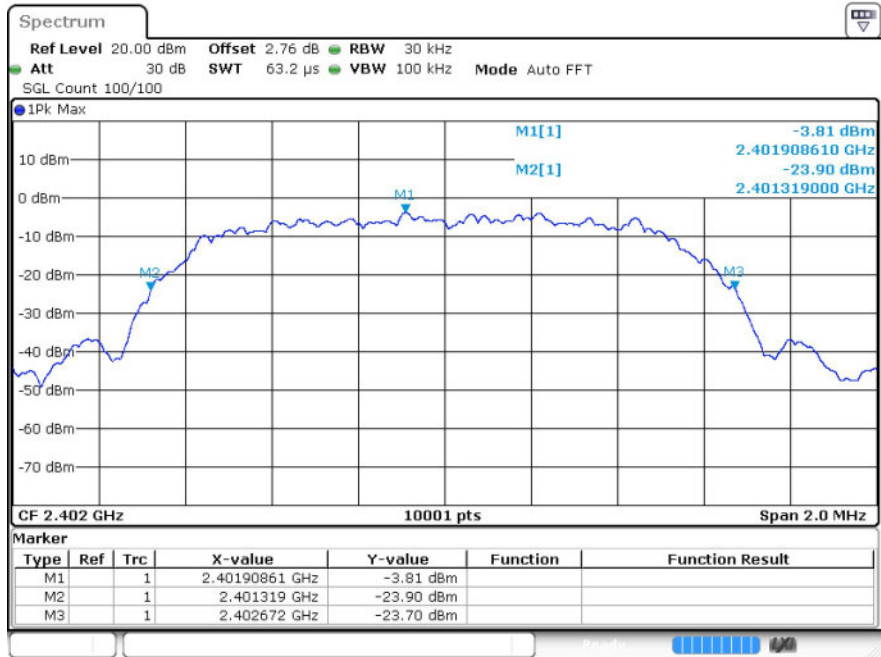




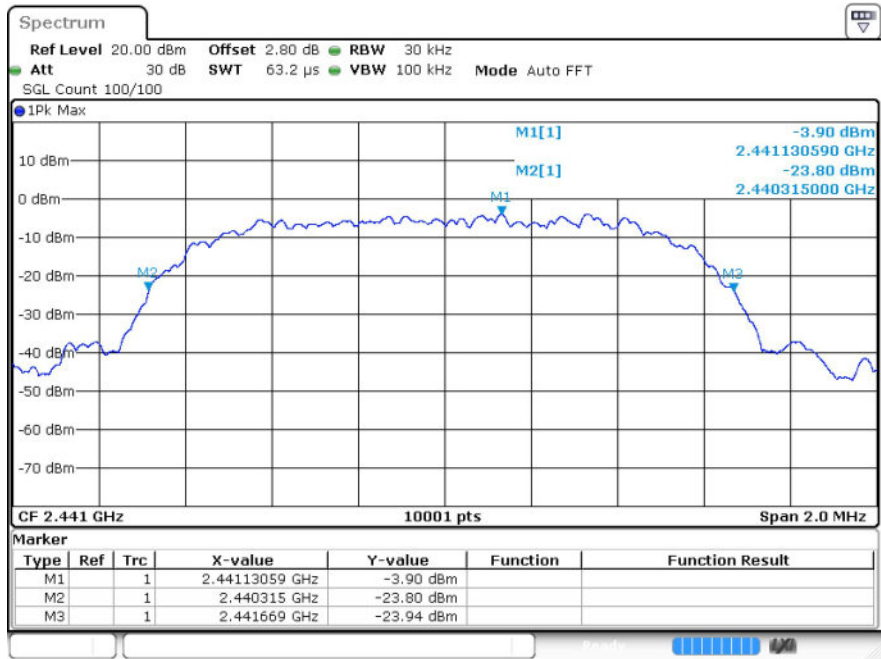
GFSK/HCH



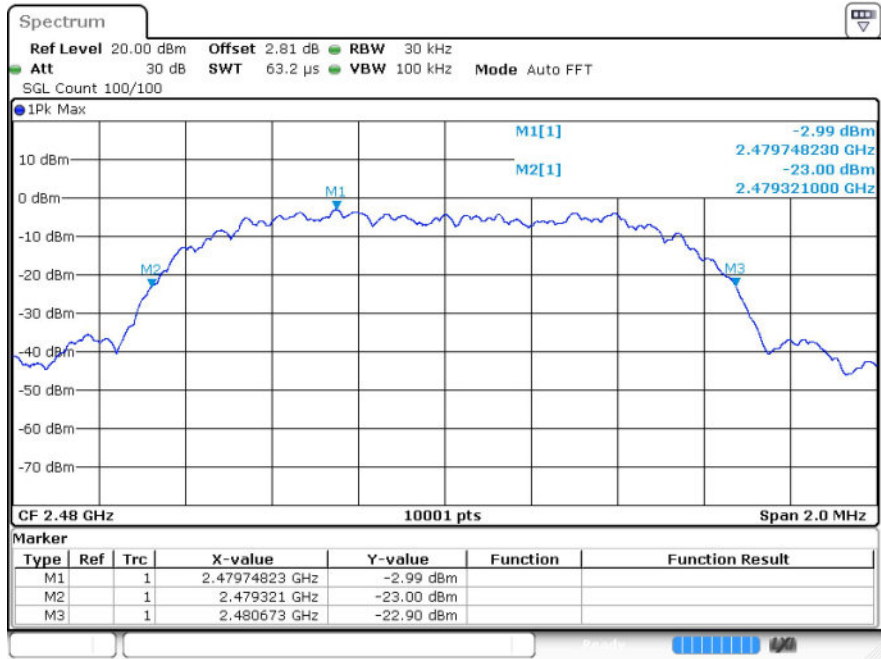
$\pi/4$ DQPSK/LCH



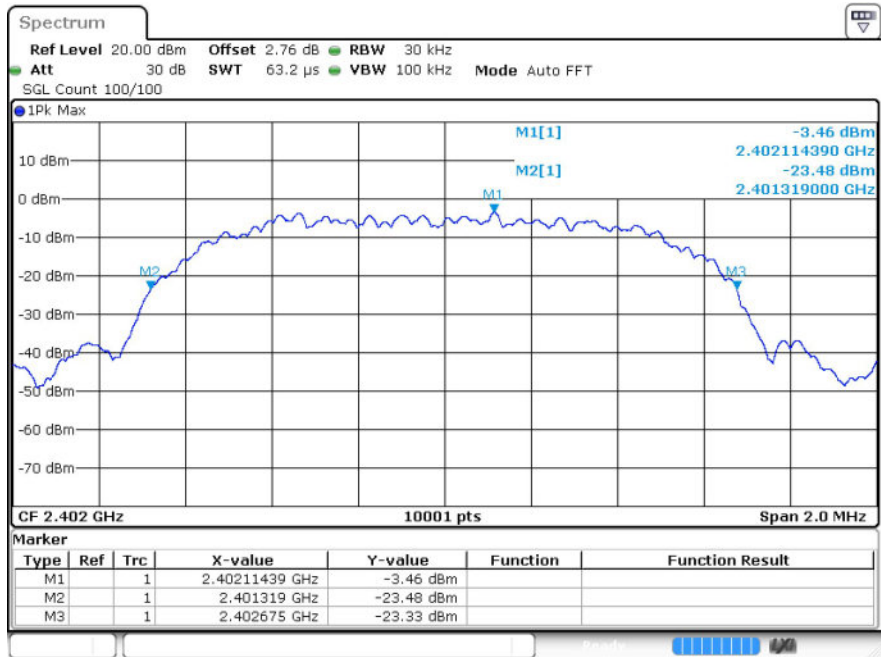
$\pi/4$ DQPSK/MCH



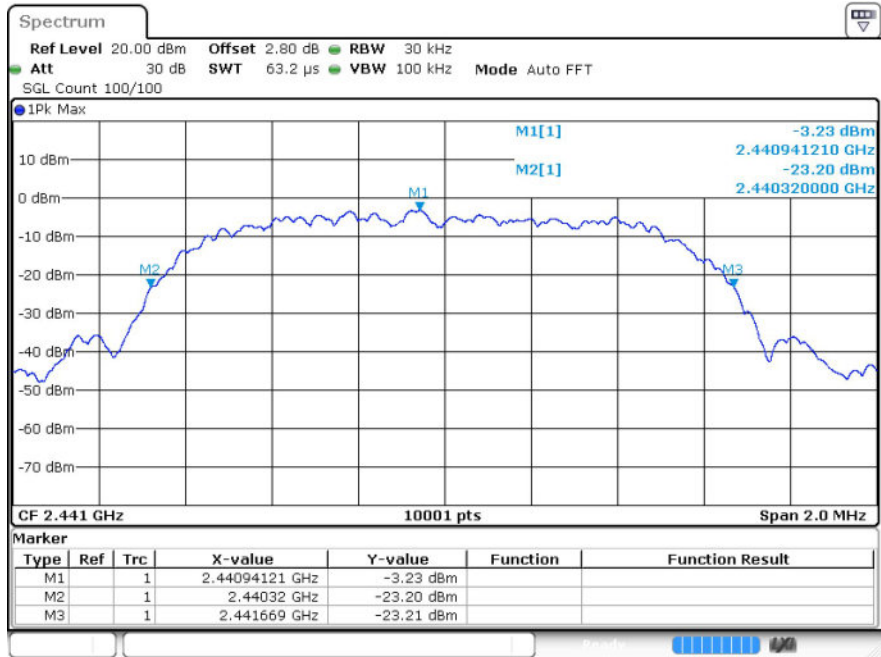
$\pi/4$ DQPSK/HCH



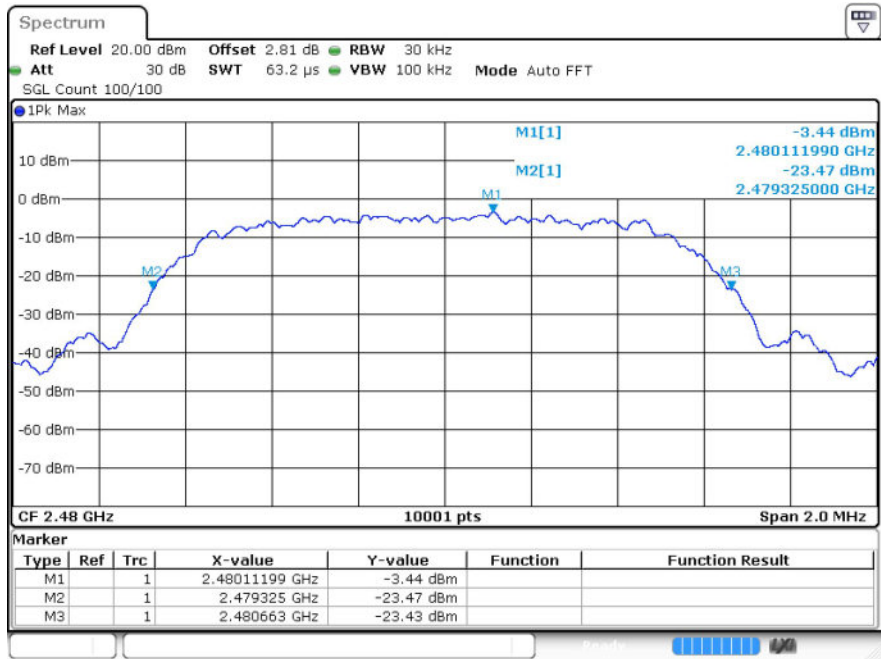
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

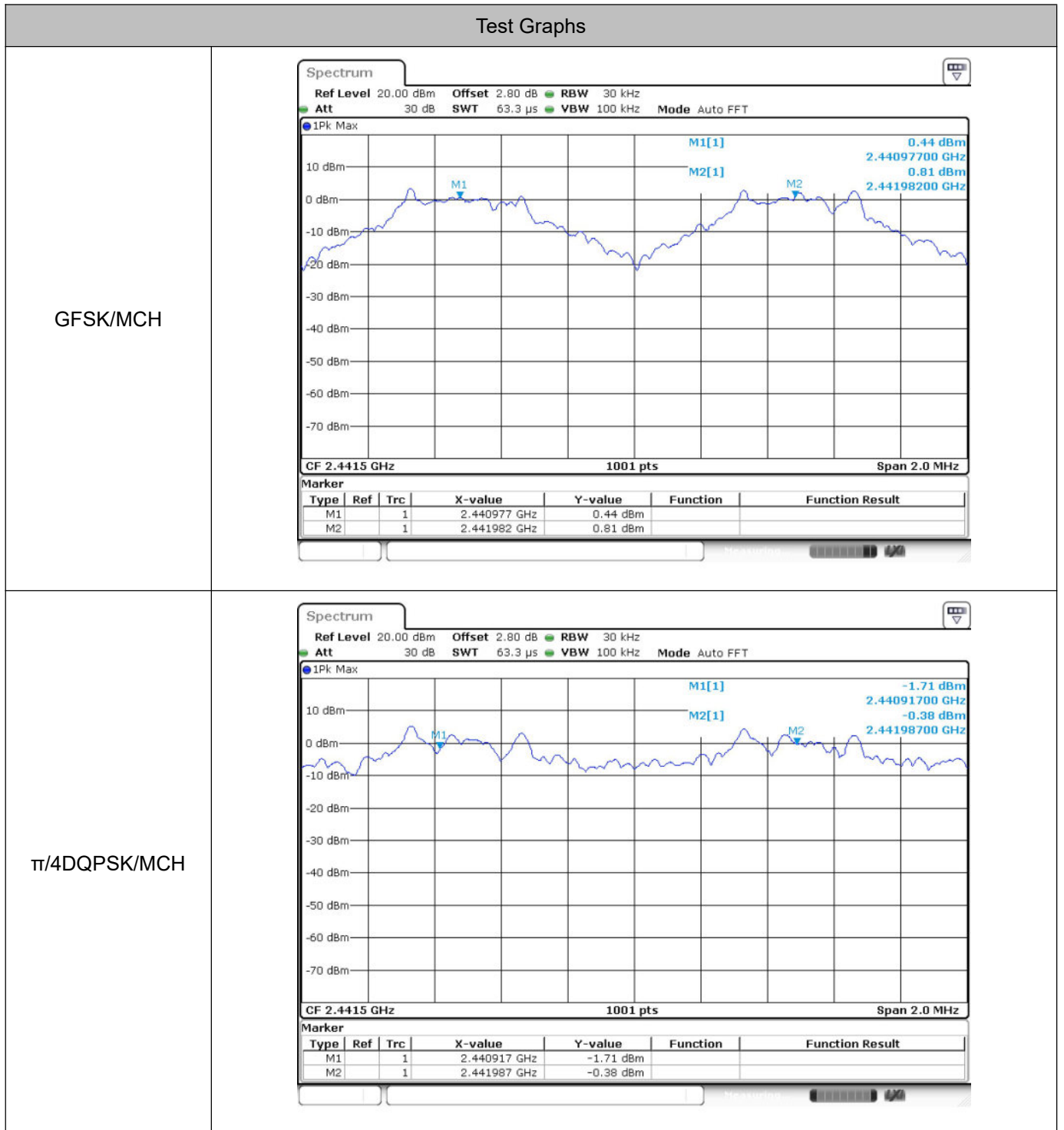


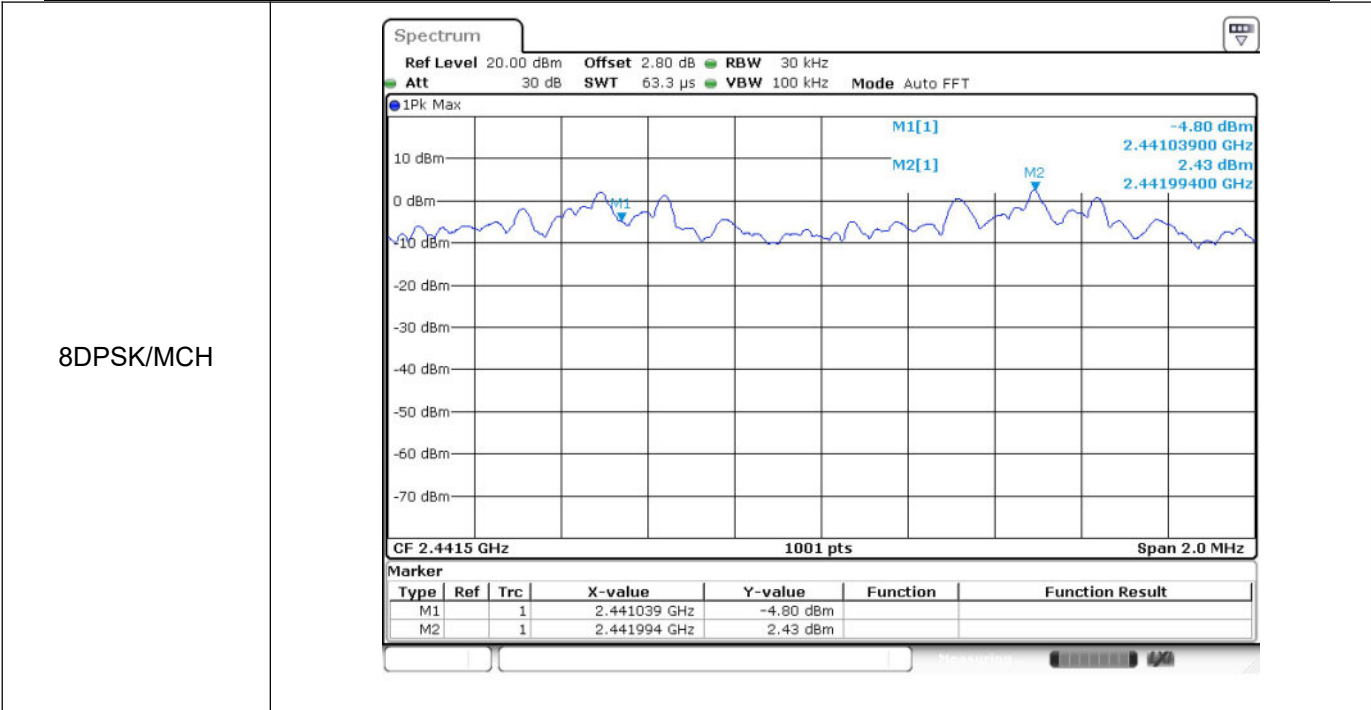
## 4 Carrier Frequency Separation

### 4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	1.005	0.673	Pass
$\pi/4$ DQPSK	MCH	1.07	0.886	Pass
8DPSK	MCH	0.955	0.895	Pass

## 4.2 Test Graphs





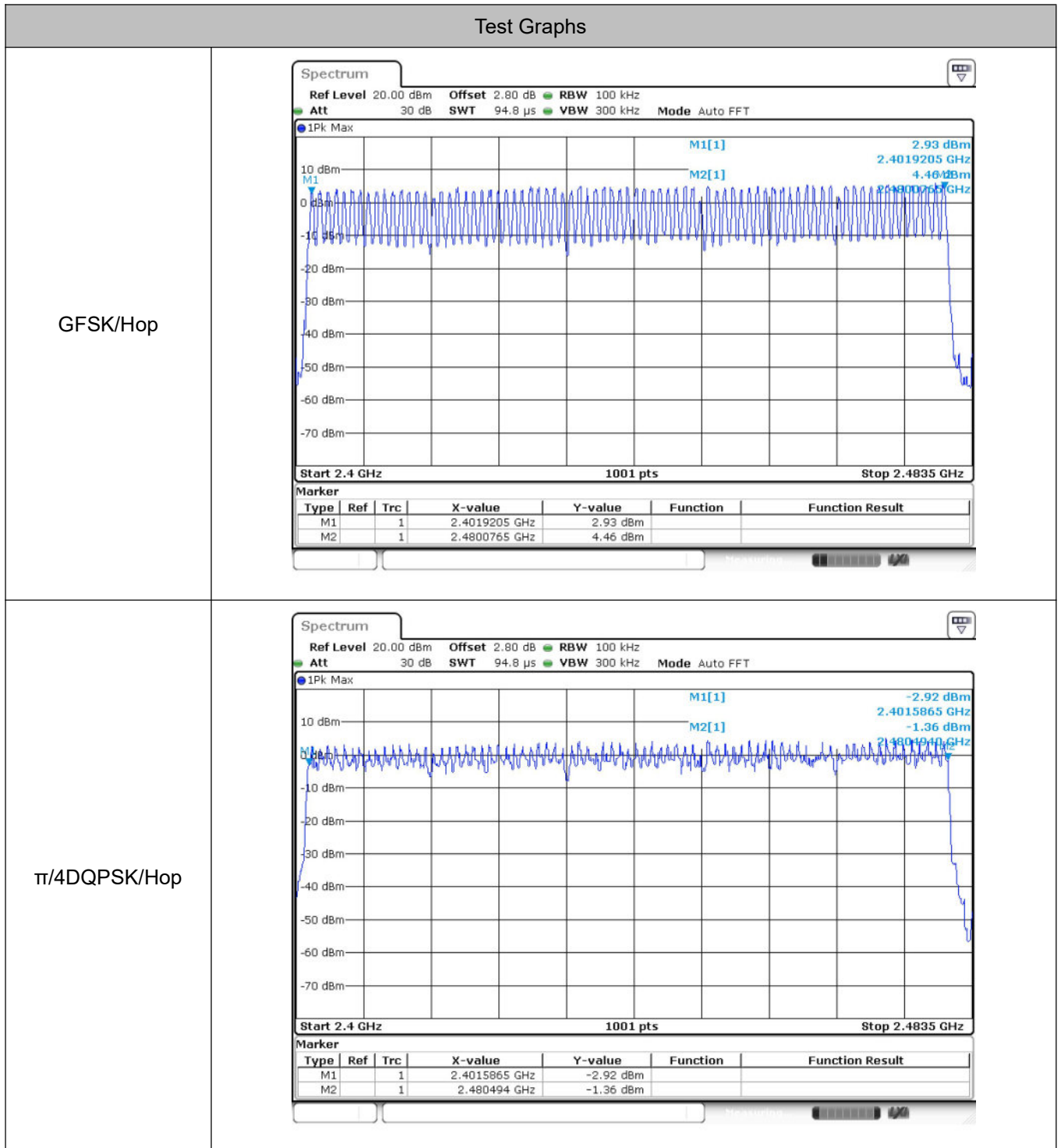
## 5 Hopping Channel Number

### 5.1 Test Result

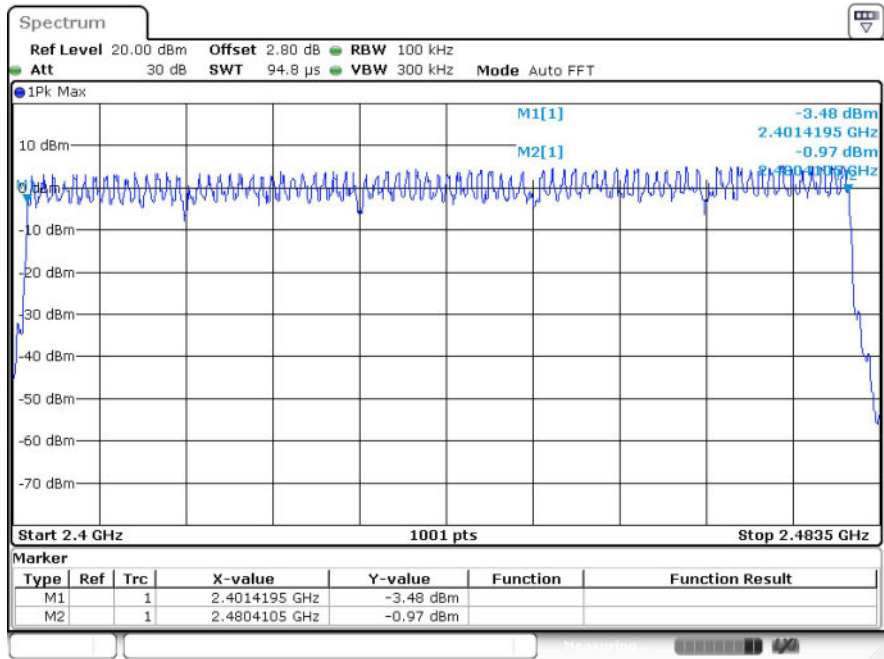
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	$\geq 15$	PASS
$\pi/4$ DQPSK	Hop	79	$\geq 15$	PASS
8DPSK	Hop	79	$\geq 15$	PASS



## 5.2 Test Graphs



8DPSK/Hop

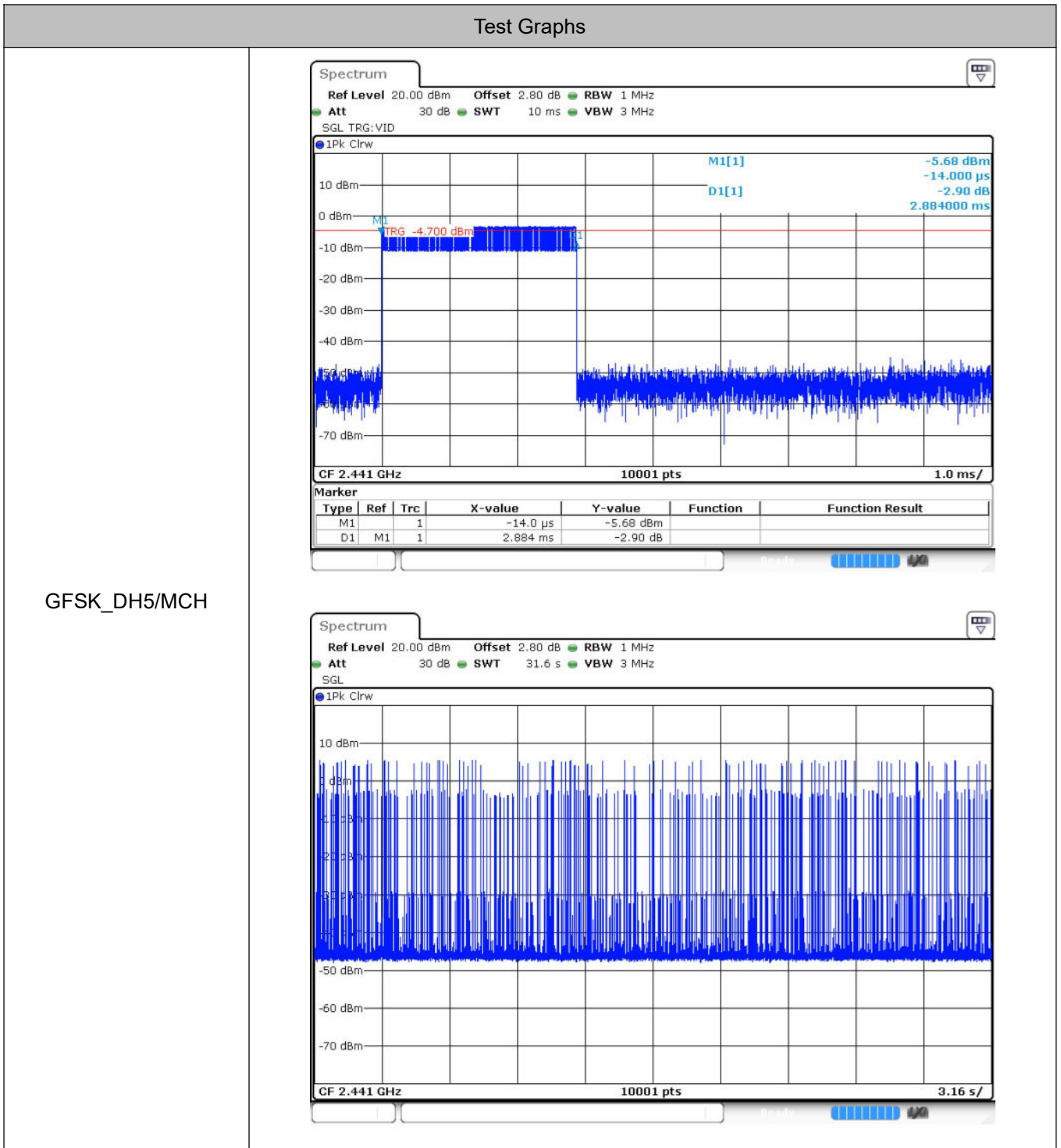


## 6 Dwell Time

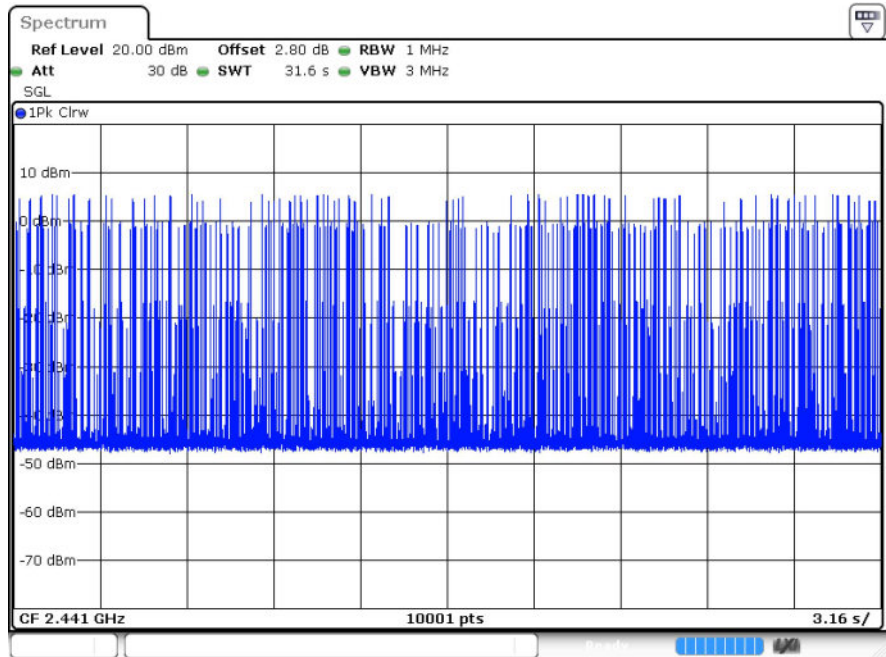
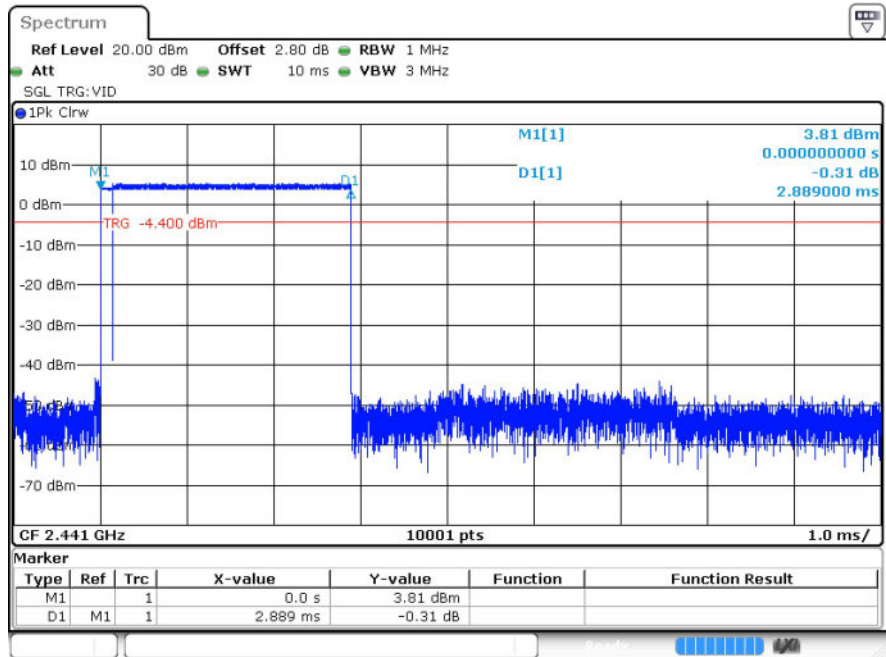
### 6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.884	107	308.588	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.889	101	291.789	0.4	Pass
8DPSK	3DH5	MCH	2.891	103	297.773	0.4	Pass

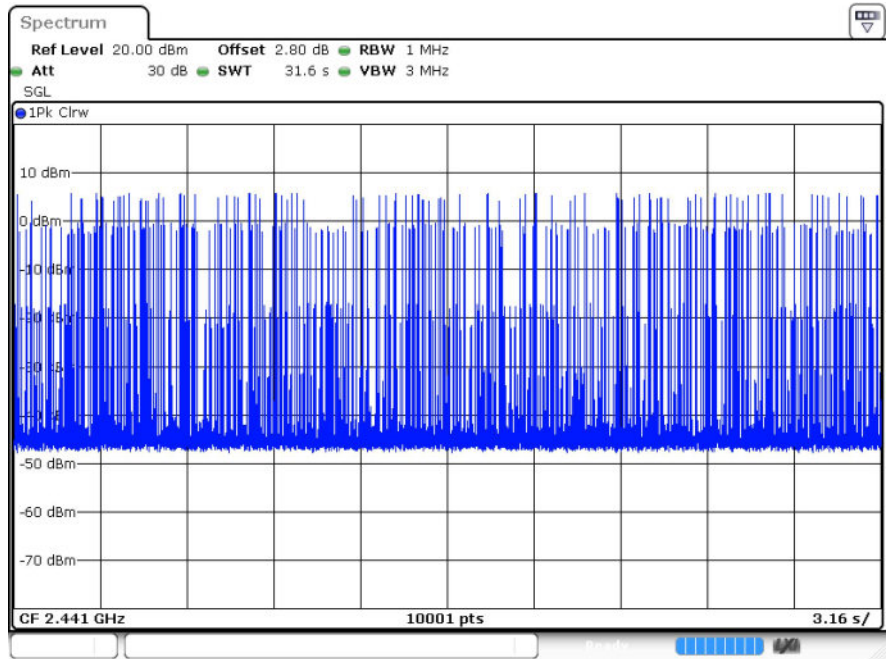
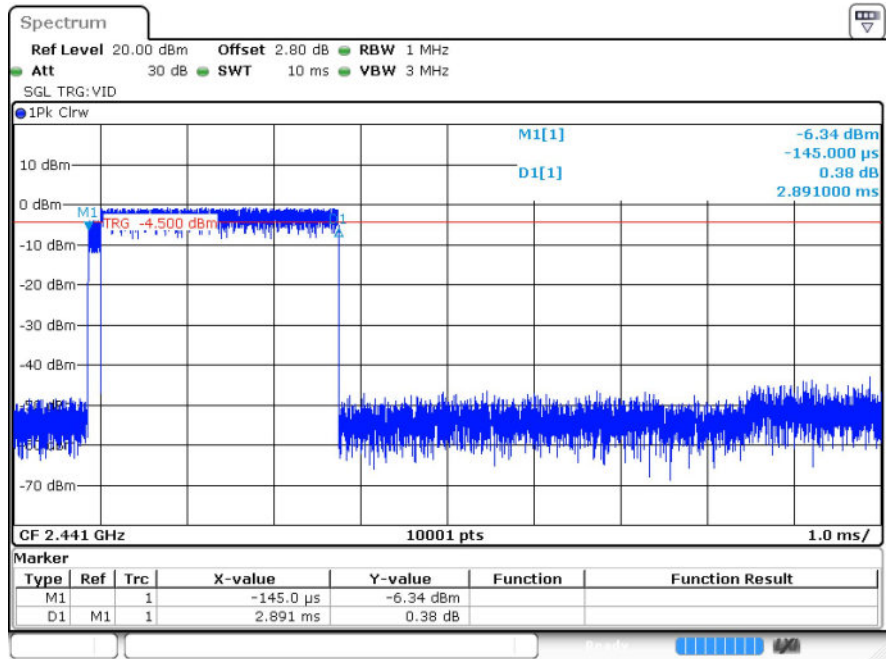
## 6.2 Test Graphs



$\pi/4$ DQPSK  
\_2DH5/MCH



8DPSK\_3DH5/MCH

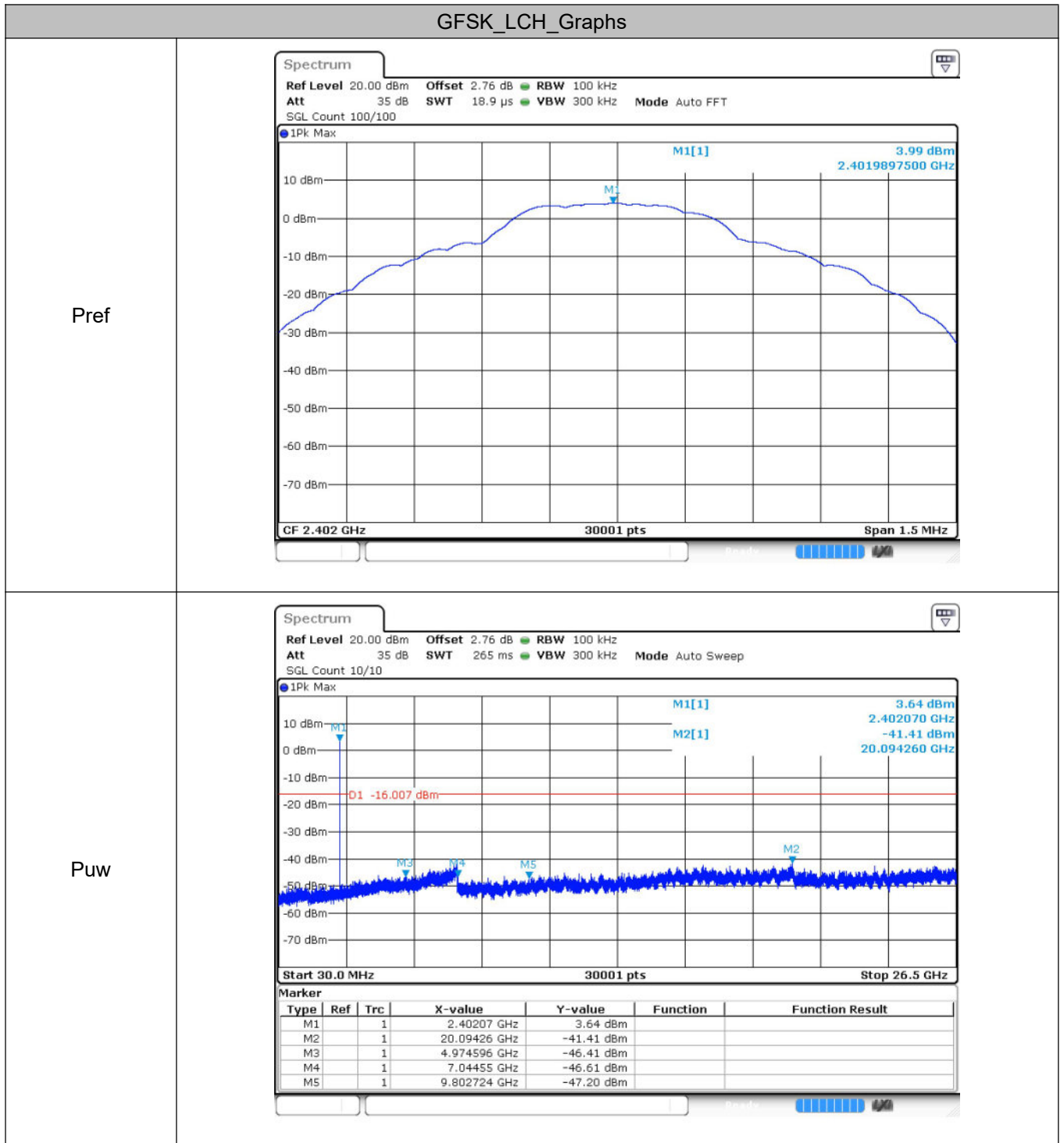


## 7 RF Conducted Spurious Emissions

### 7.1 Test Result

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-45.39	-20	Pass
	MCH	-45.66	-20	Pass
	HCH	-46.89	-20	Pass
$\pi/4$ DQPSK	LCH	-40.06	-20	Pass
	MCH	-41.97	-20	Pass
	HCH	-43.46	-20	Pass
8DPSK	LCH	-41.61	-20	Pass
	MCH	-42.16	-20	Pass
	HCH	-42.73	-20	Pass

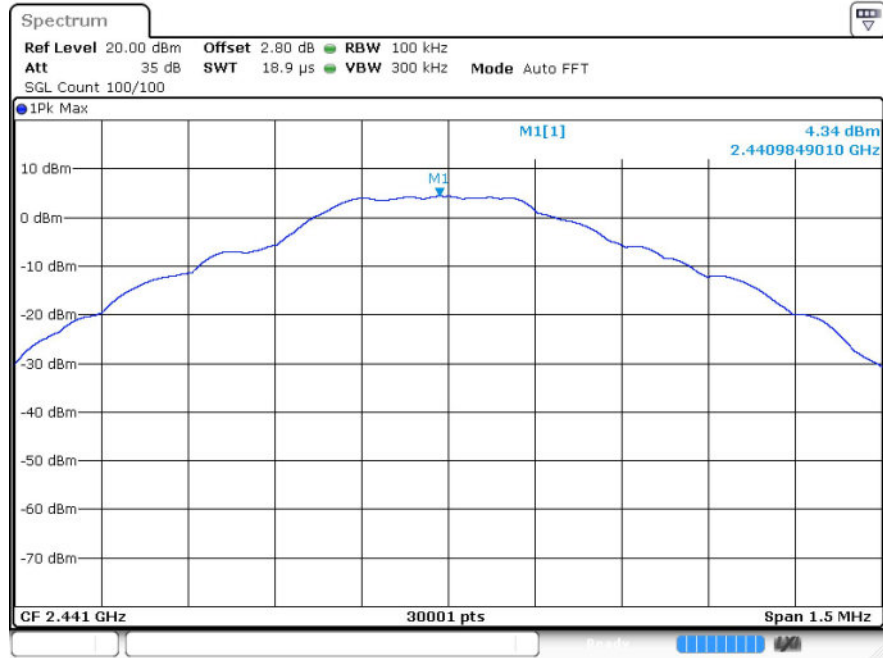
## 7.2 Test Graphs



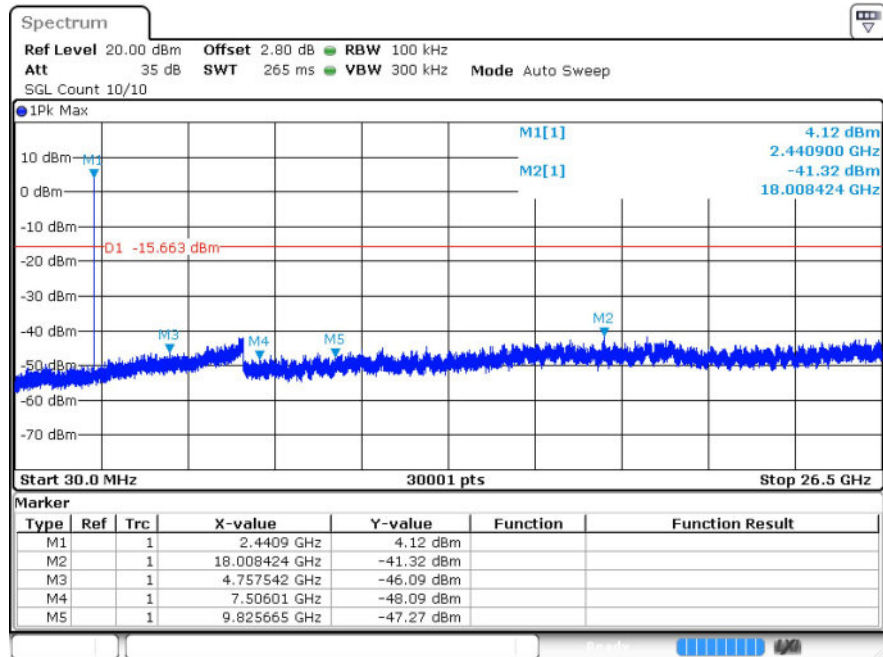


GFSK\_MCH\_Graphs

Pref

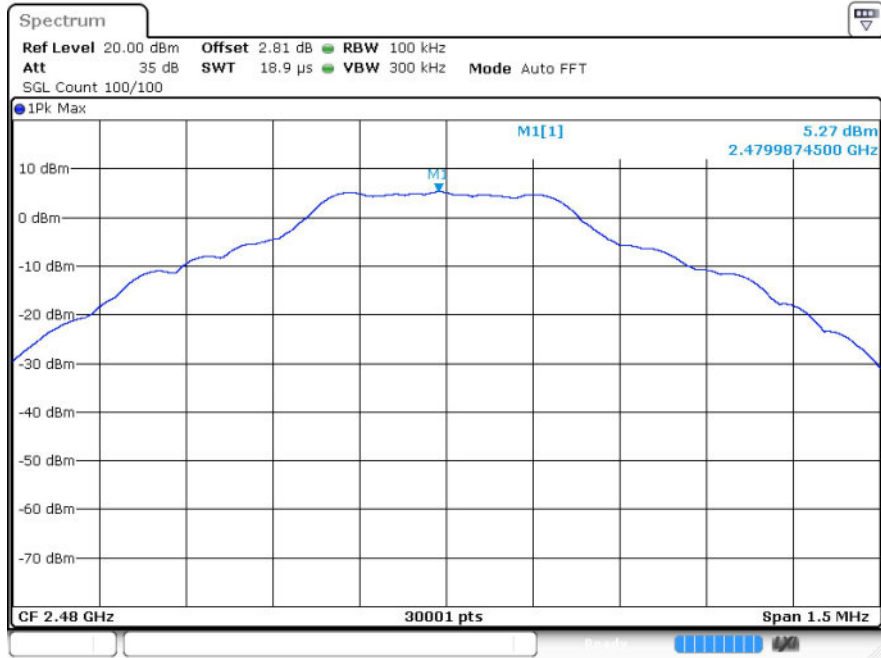


Puw

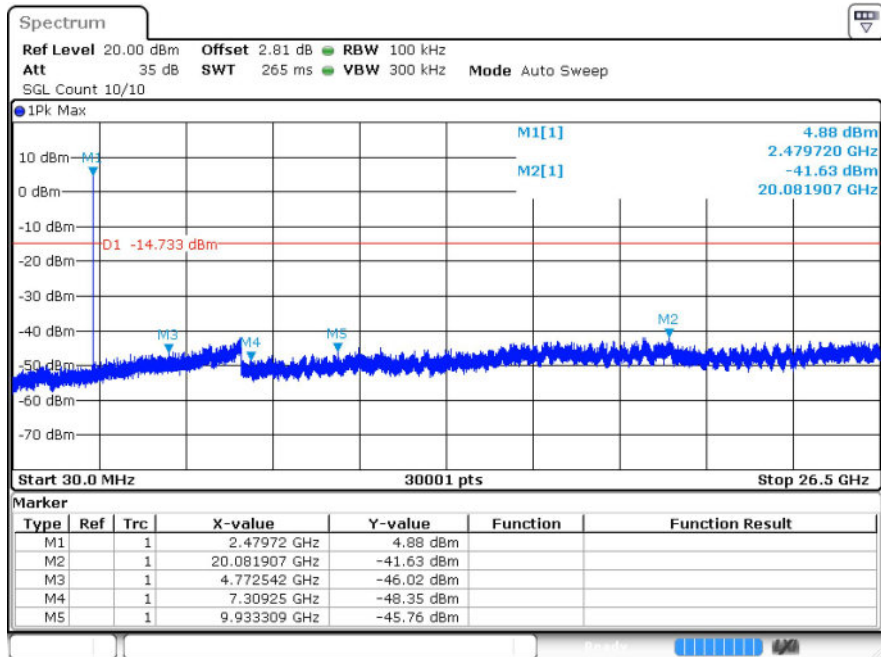


GFSK\_HCH\_Graphs

Pref

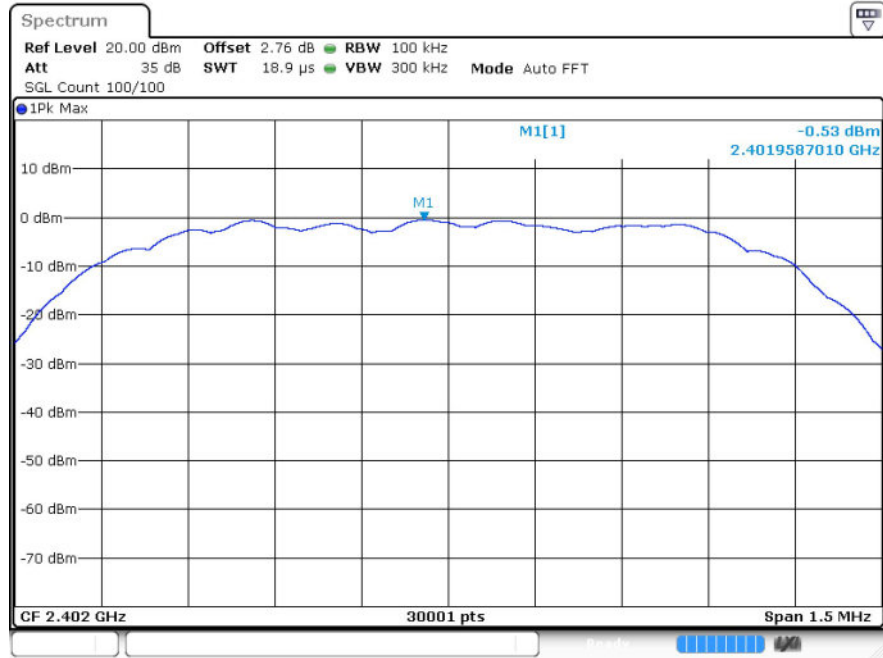


Puw

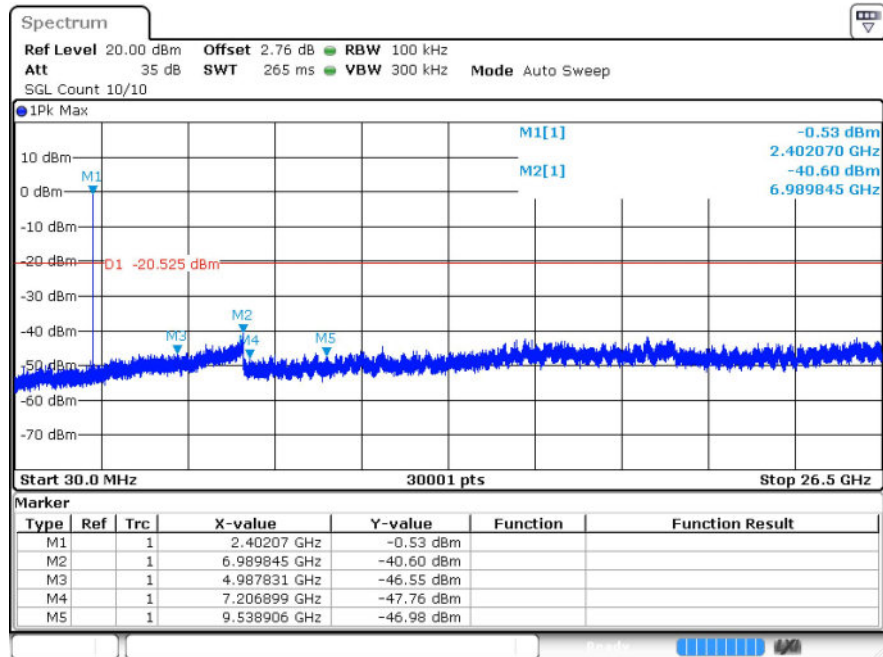


$\pi/4$ DQPSK\_LCH\_Graphs

Pref

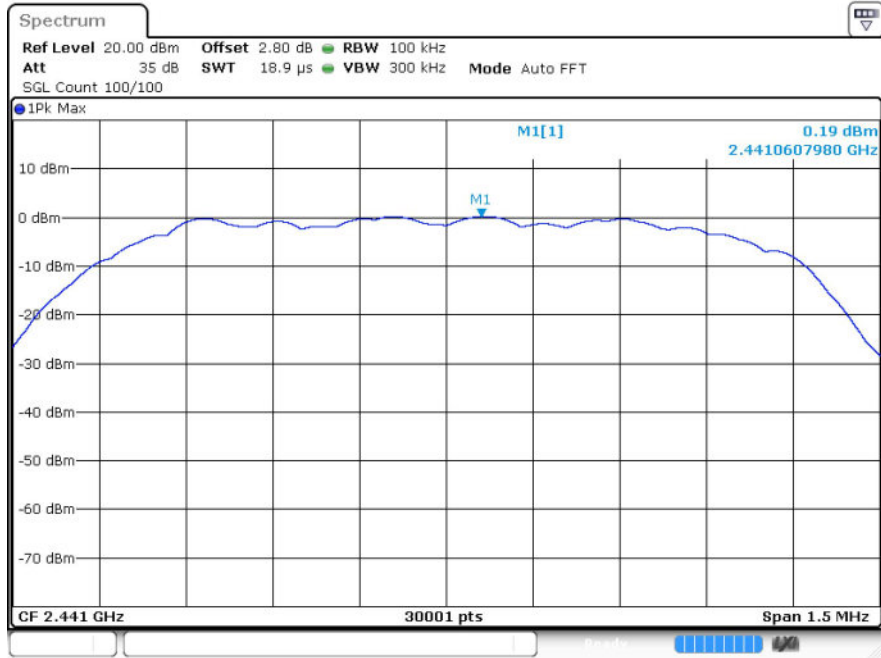


Puw

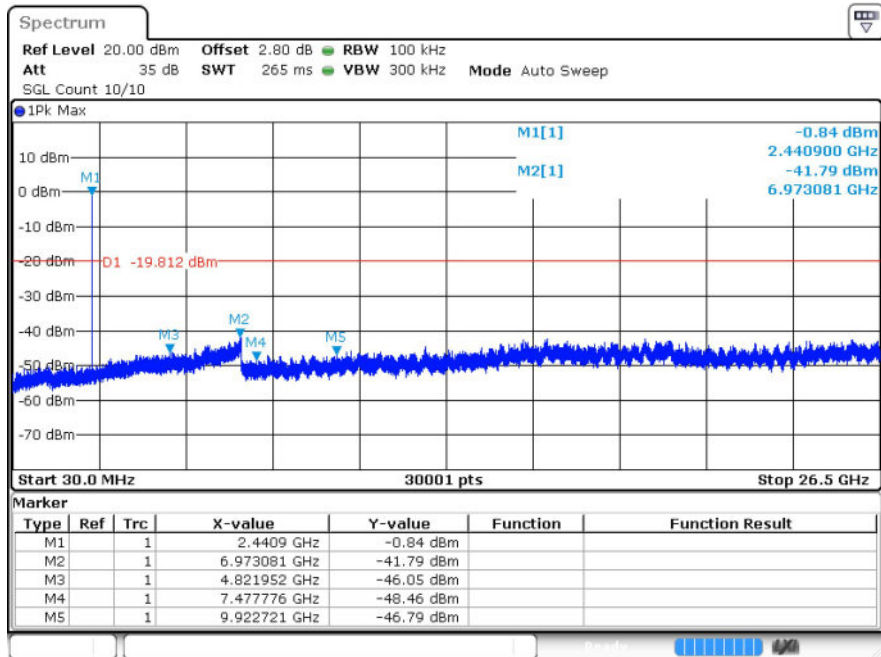


$\pi$ /4DQPSK\_MCH\_Graphs

Pref

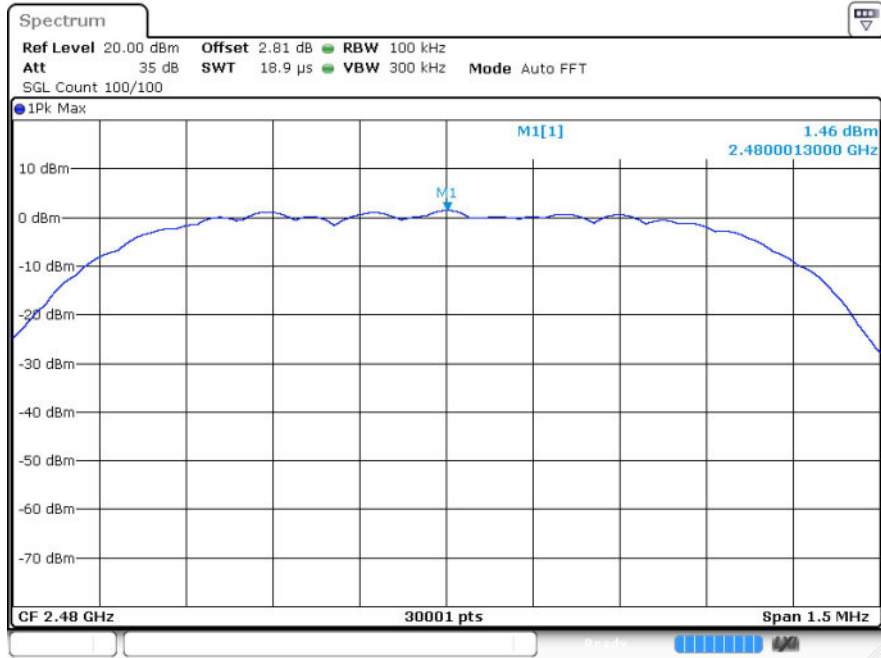


Puw



$\pi/4$ DQPSK\_HCH\_Graphs

Pref



Puw

