

## Appendix A

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

Product Name:Tablet PC

Trade Mark:Blackview

Test Model:Tab 50 WiFi

Environmental Conditions

Temperature:	°C
Relative Humidity:	%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

# Contents

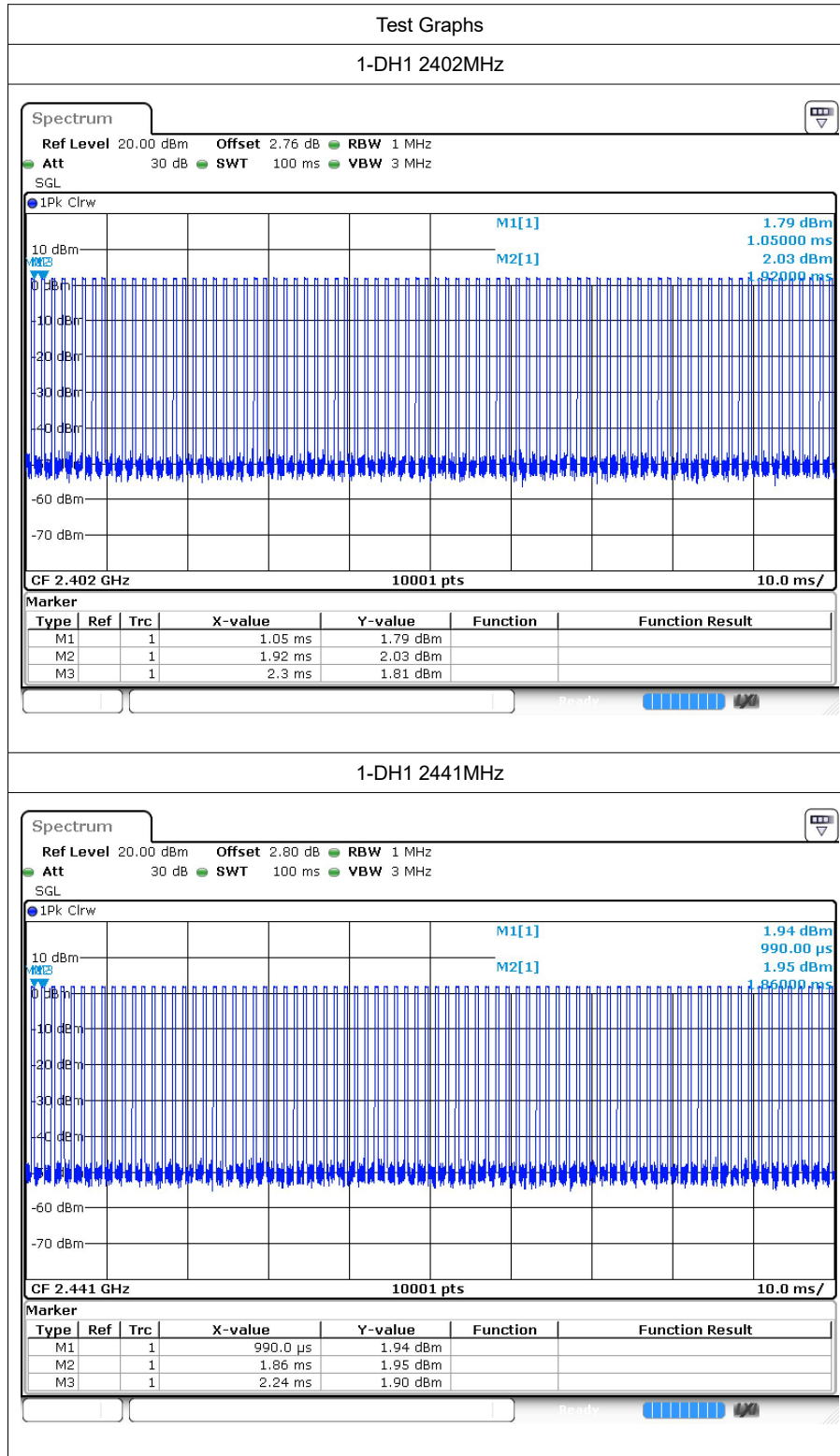
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# 1 Duty Cycle

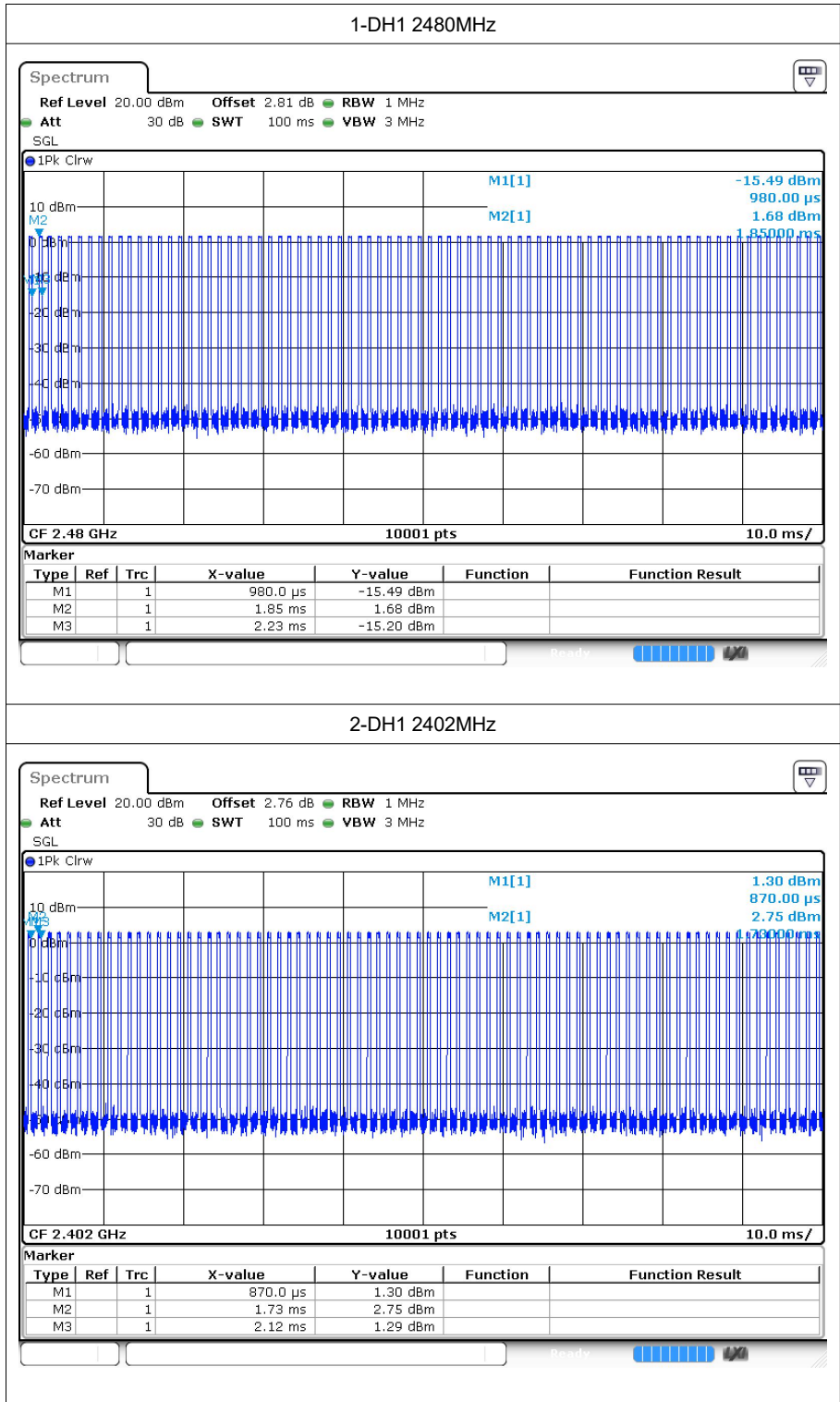
## 1.1 Test Result

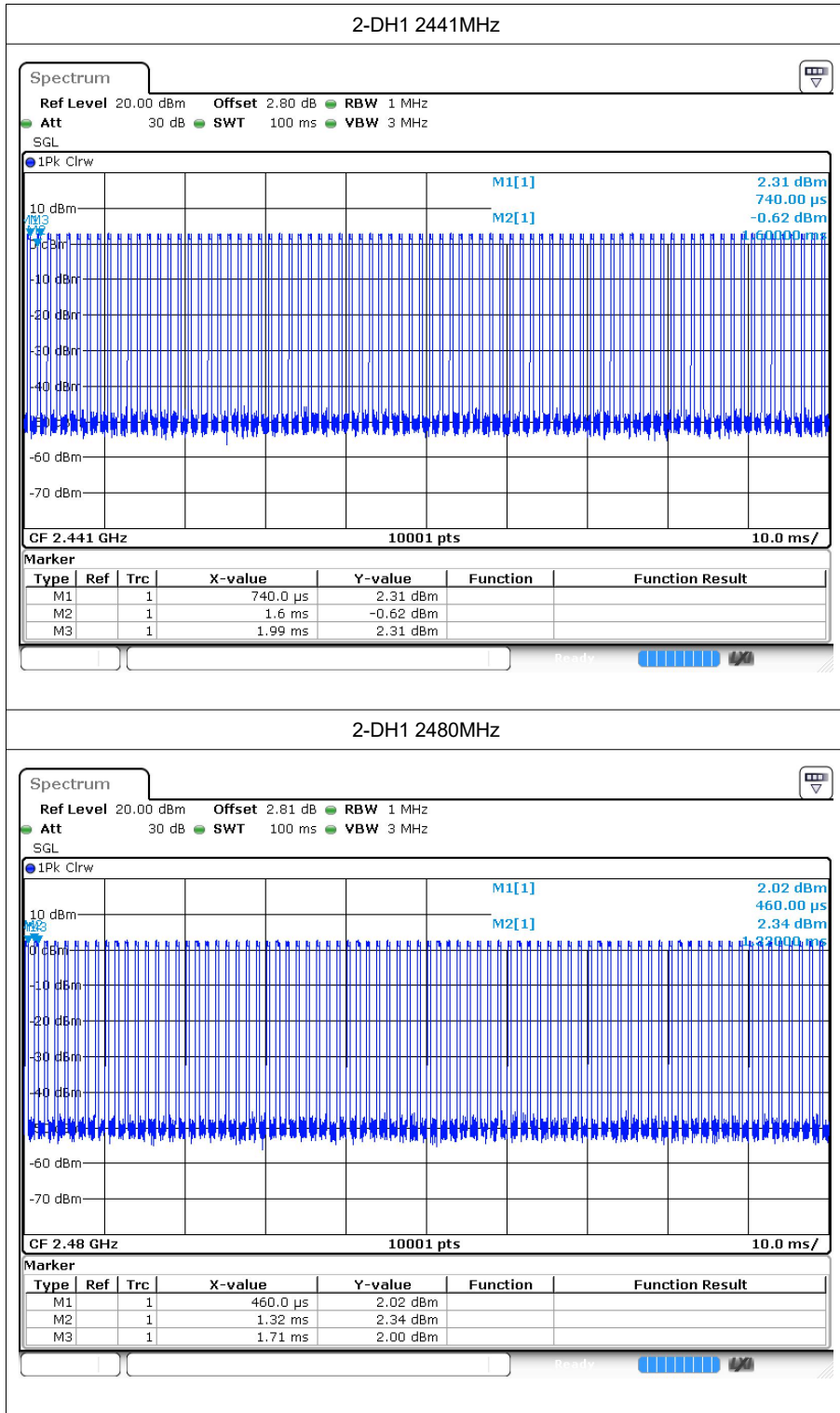
Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
1-DH1	2402	31.2	2.63
1-DH1	2441	31.2	2.63
1-DH1	2480	31.2	2.63
2-DH1	2402	32	2.56
2-DH1	2441	32	2.56
2-DH1	2480	32	2.56
3-DH1	2402	31.7	2.63
3-DH1	2441	32.01	2.56
3-DH1	2480	32	2.56

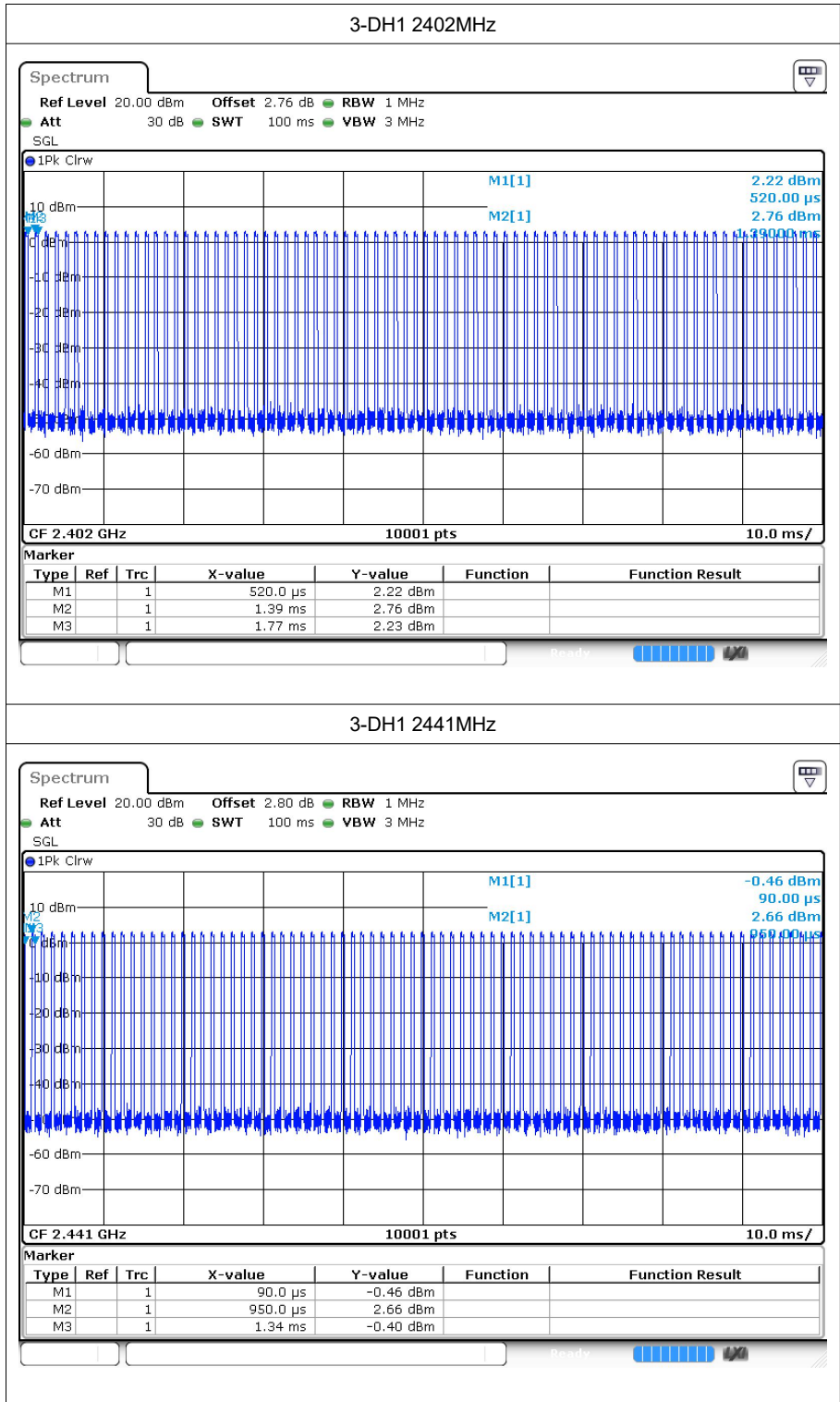
## 1.2 Test Graphs

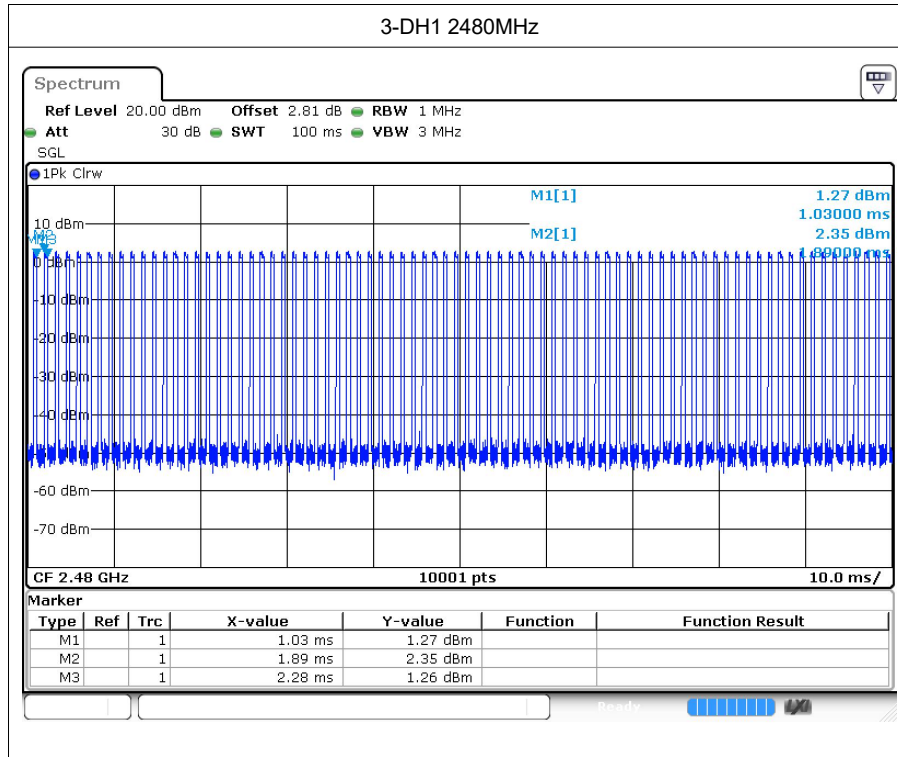










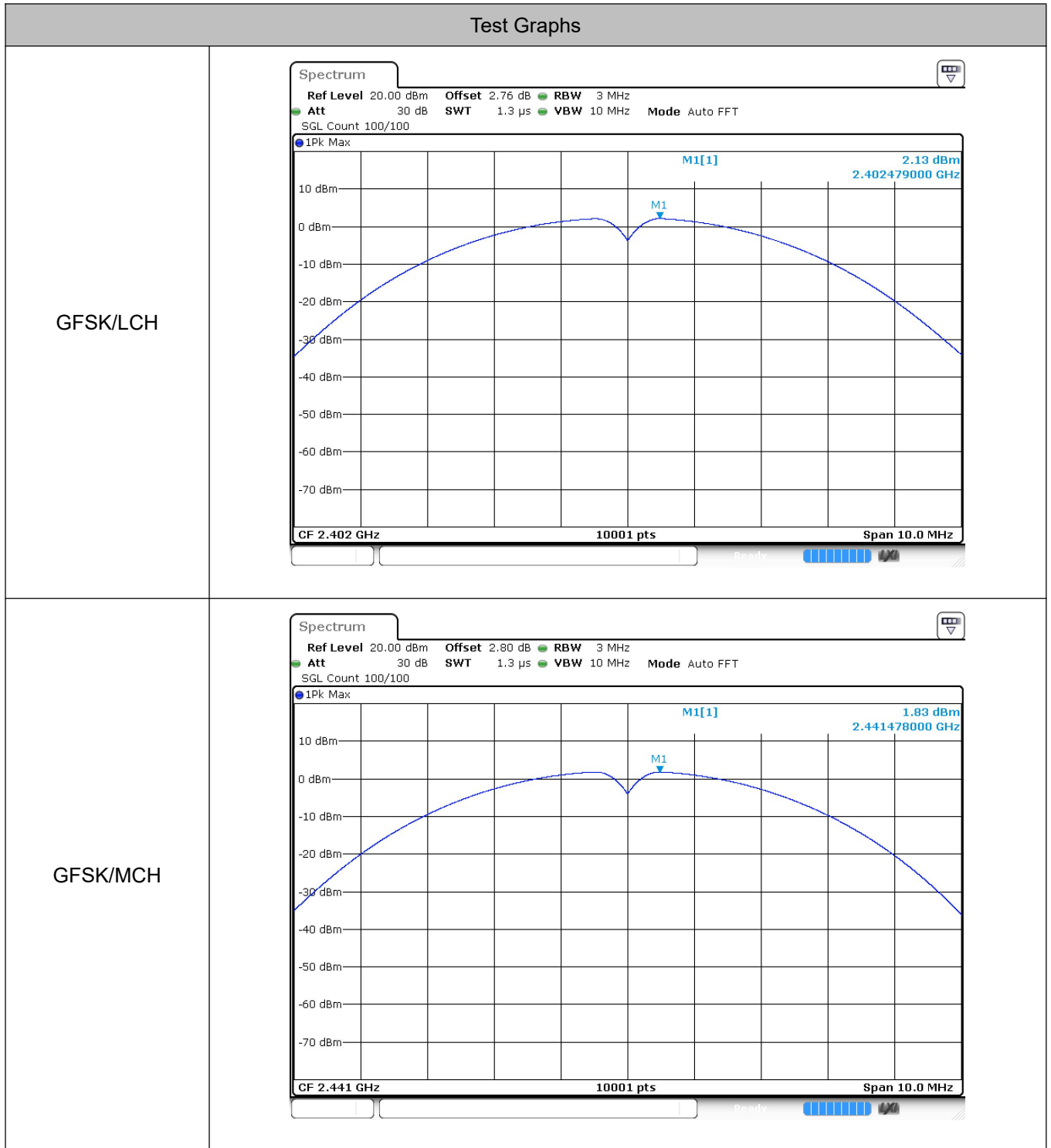


## 2 Maximum Conducted Peak Output Power

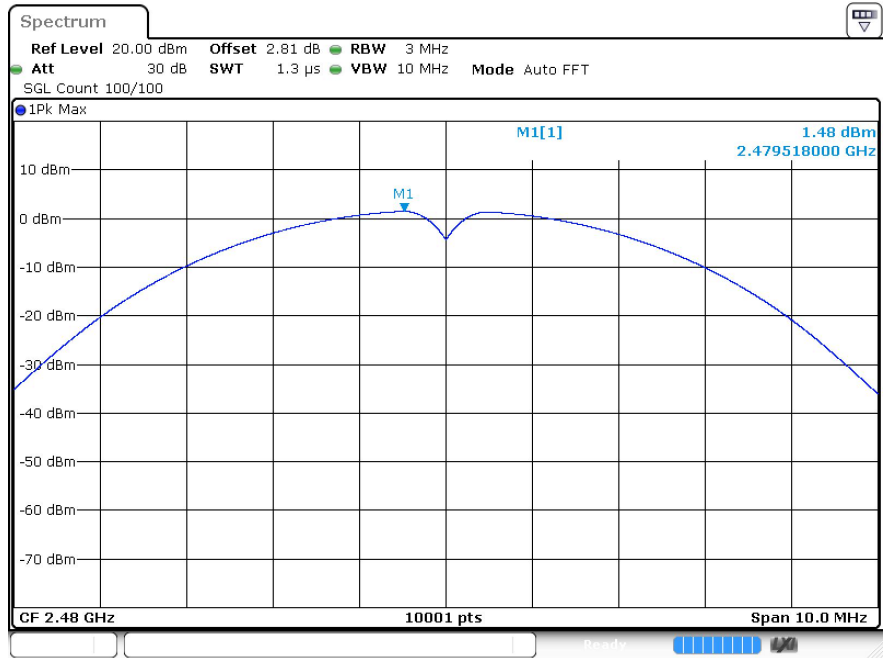
### 2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2.13	21	Pass
	MCH	1.83	21	Pass
	HCH	1.48	21	Pass
$\pi/4$ DQPSK	LCH	3.16	21	Pass
	MCH	2.57	21	Pass
	HCH	2.98	21	Pass
8DPSK	LCH	2.65	21	Pass
	MCH	3.23	21	Pass
	HCH	2.22	21	Pass

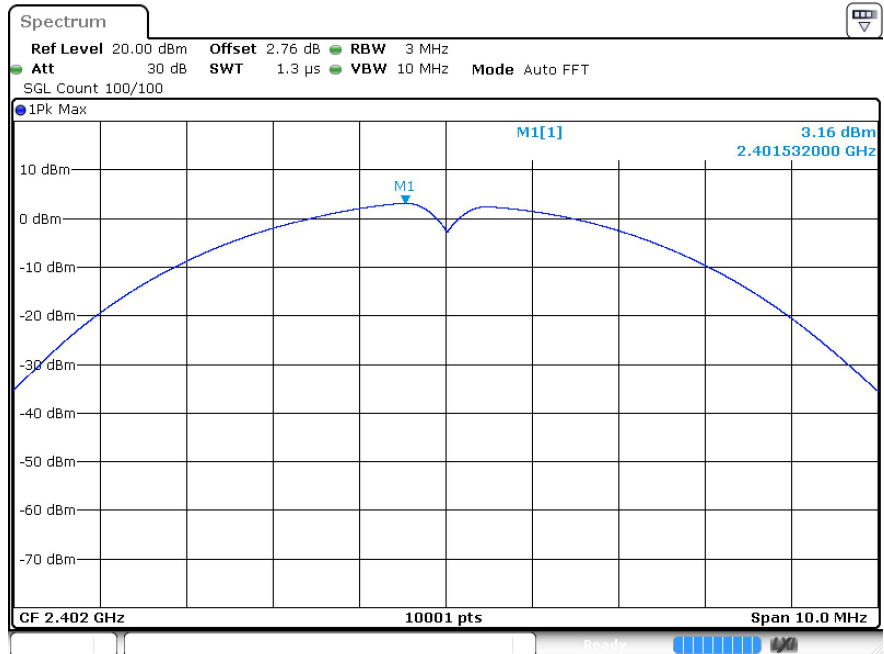
## 2.2 Test Graphs



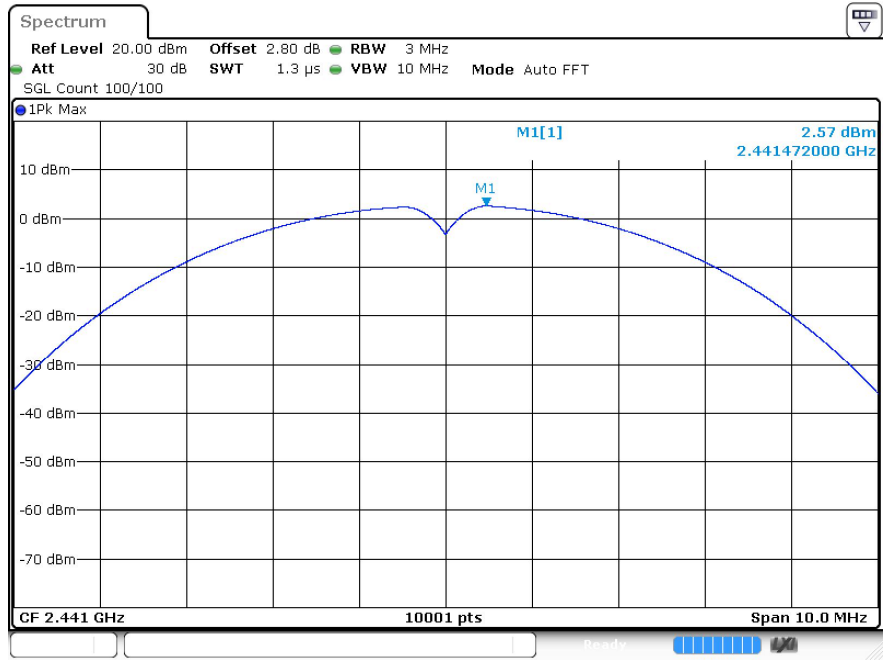
GFSK/HCH



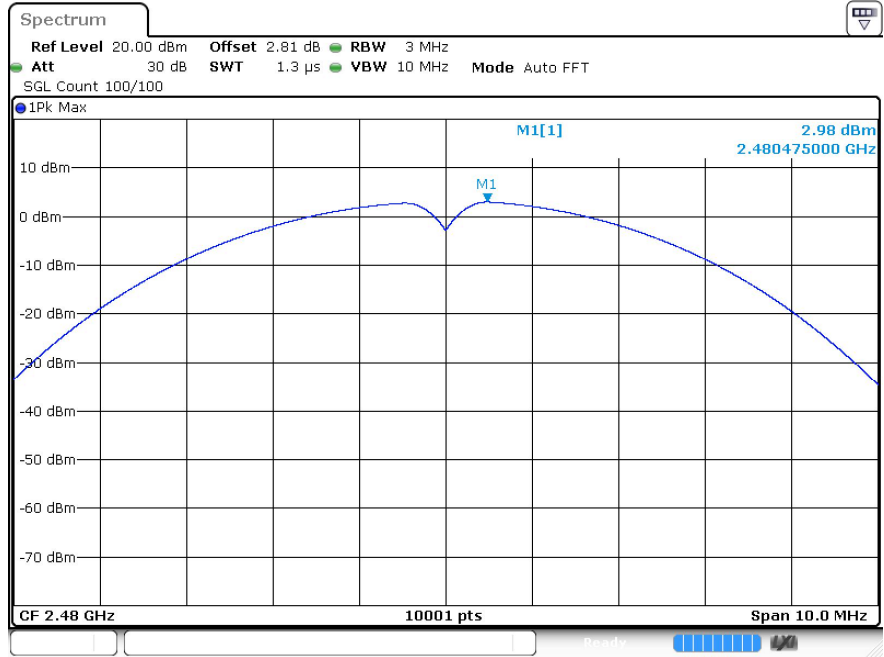
$\pi/4$ DQPSK/LCH



$\pi/4$ DQPSK/MCH

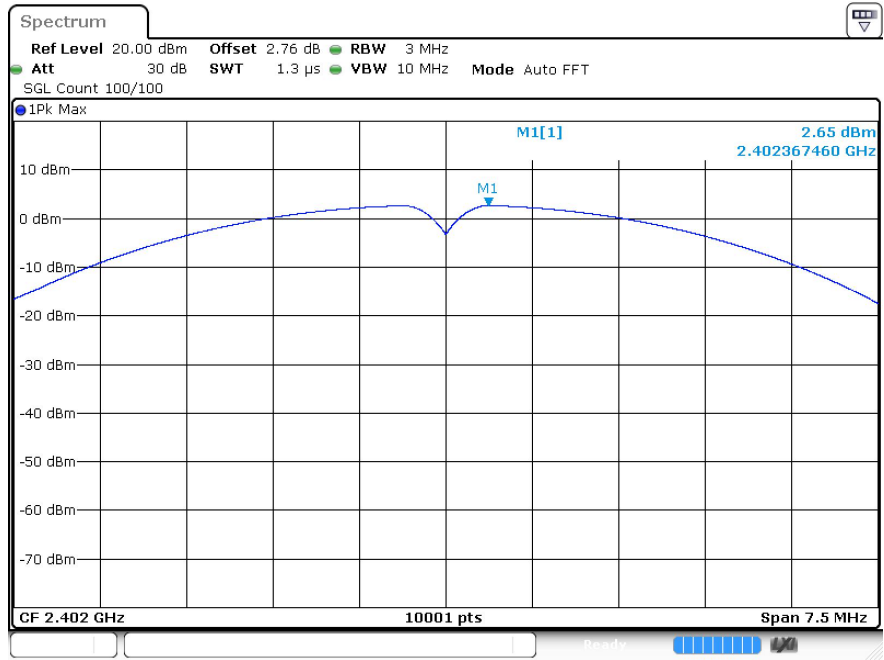


$\pi/4$ DQPSK/HCH

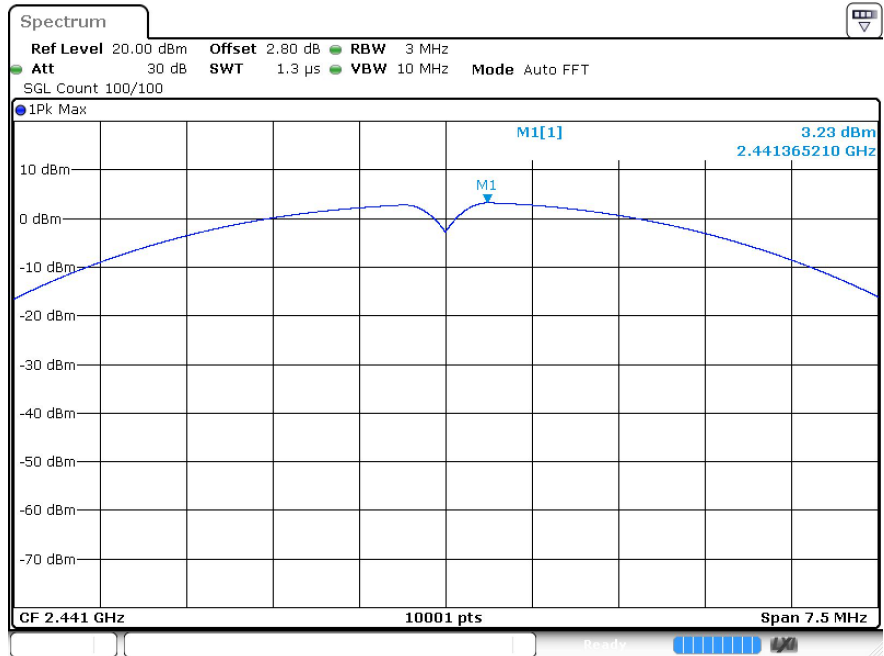




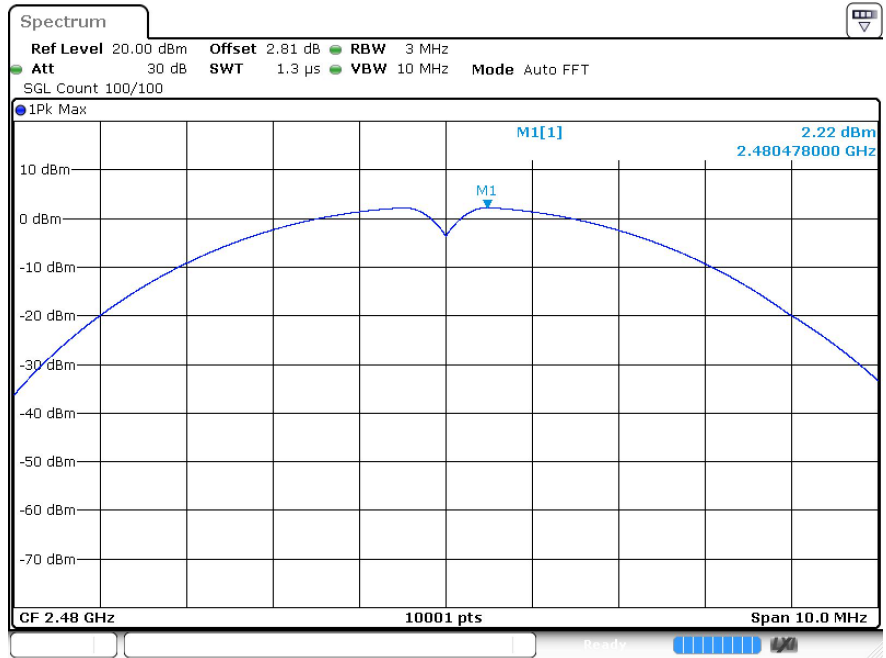
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

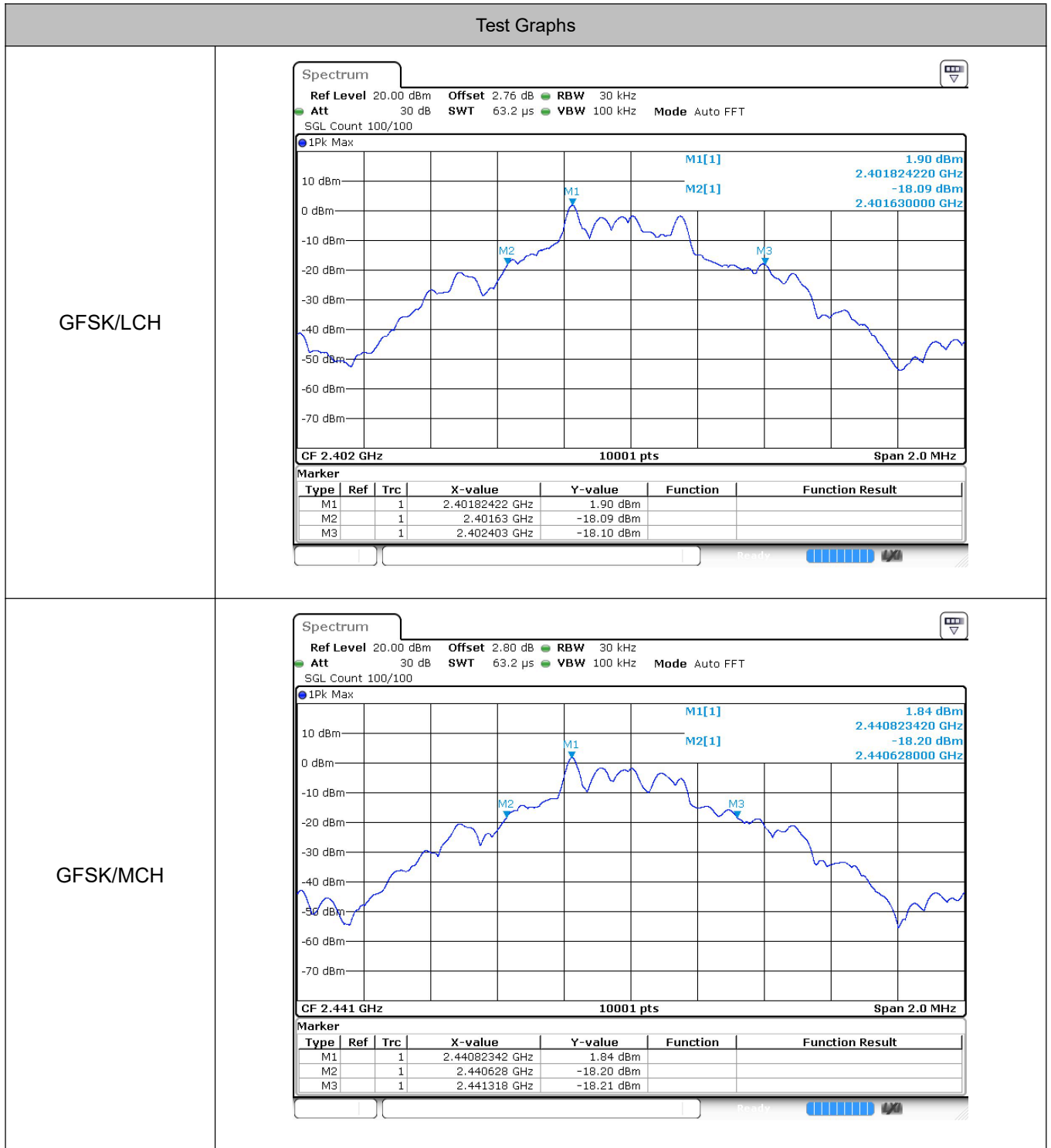


### 3 20dB Bandwidth

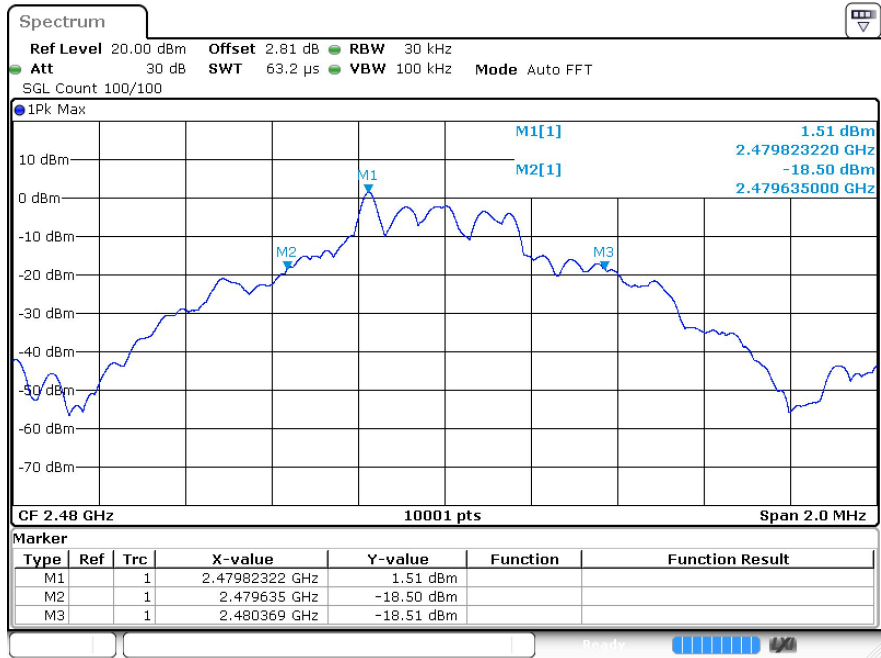
#### 3.1 Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.773	Not Specified	Pass
	MCH	0.689	Not Specified	Pass
	HCH	0.734	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.108	Not Specified	Pass
	MCH	1.084	Not Specified	Pass
	HCH	1.108	Not Specified	Pass
8DPSK	LCH	1.154	Not Specified	Pass
	MCH	1.152	Not Specified	Pass
	HCH	1.143	Not Specified	Pass

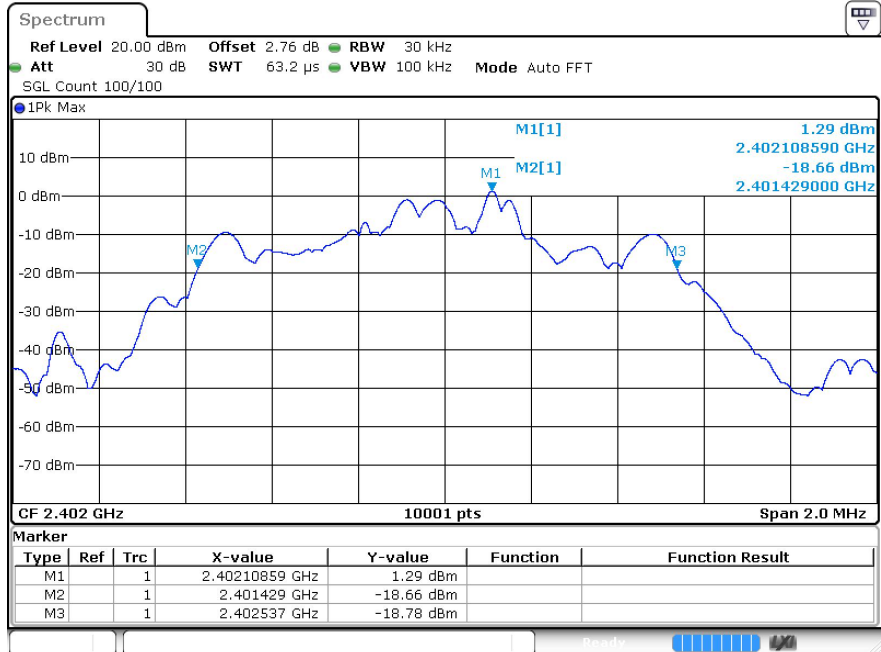
### 3.2 Test Graphs



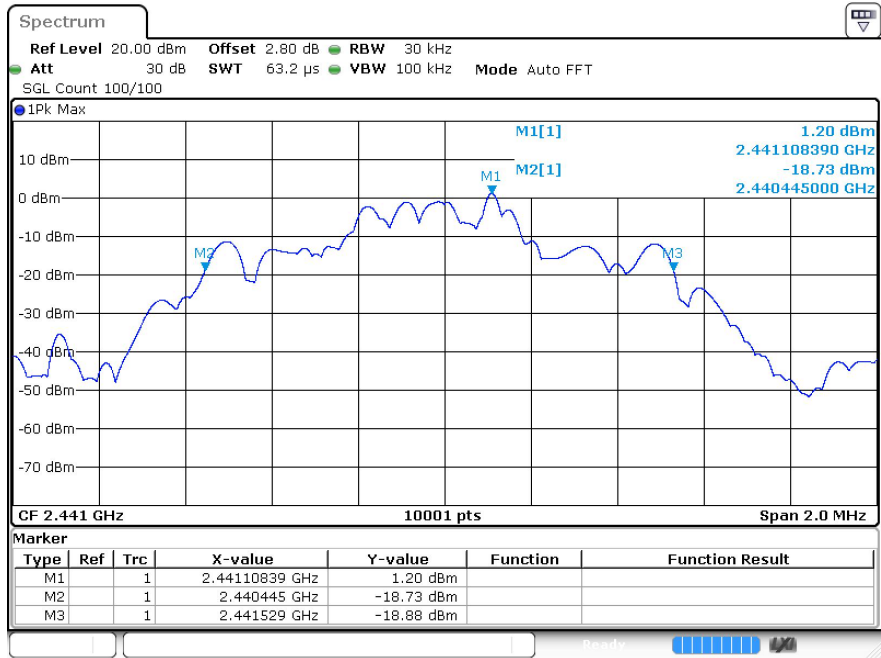
GFSK/HCH



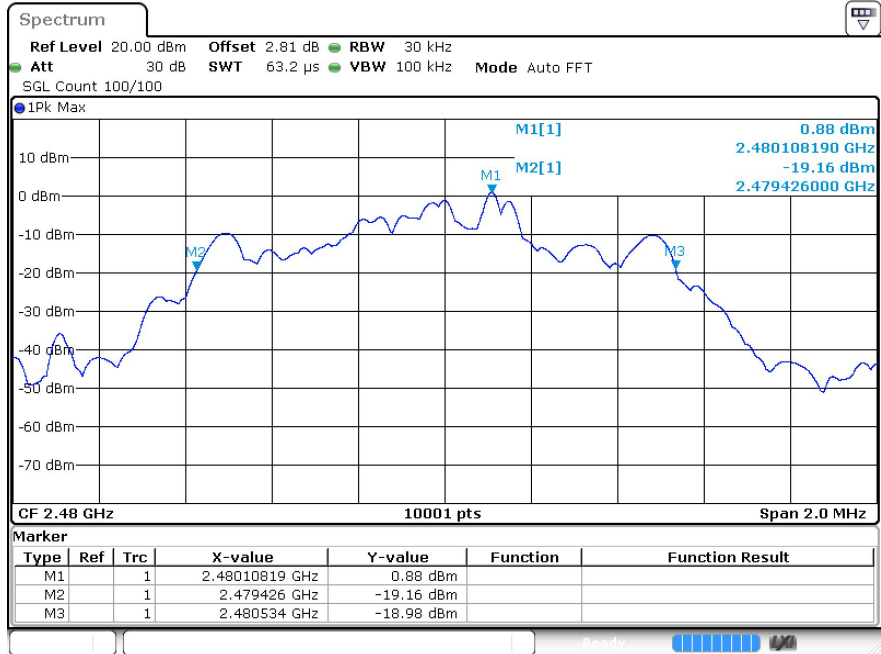
$\pi/4$ DQPSK/LCH



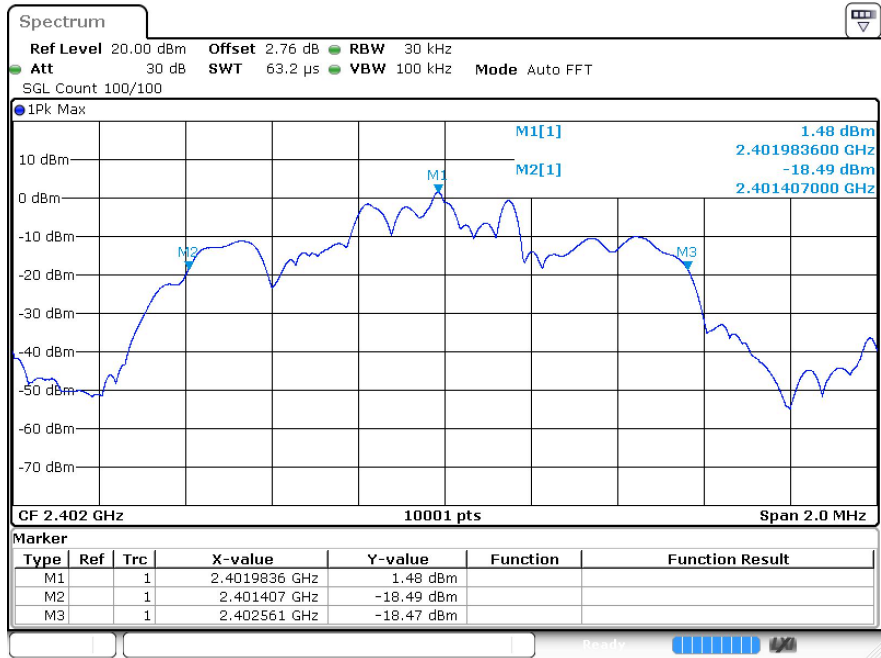
$\pi/4$ DQPSK/MCH



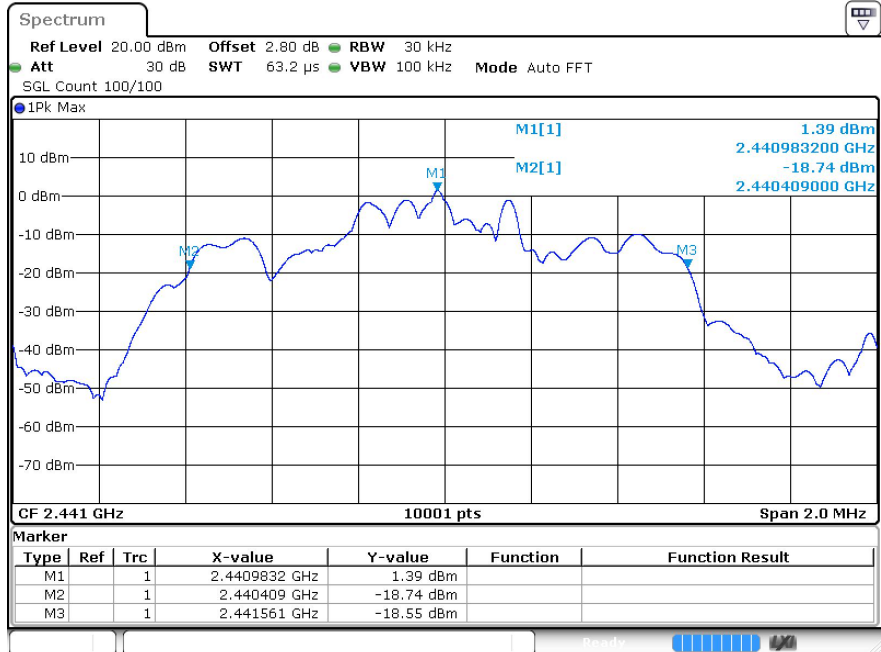
$\pi/4$ DQPSK/HCH



8DPSK/LCH

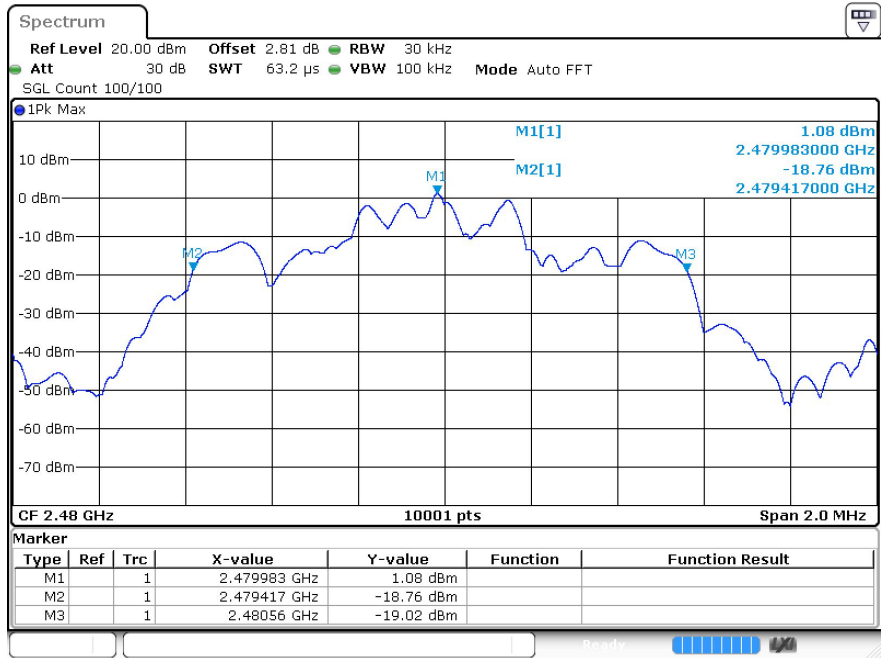


8DPSK/MCH





8DPSK/HCH



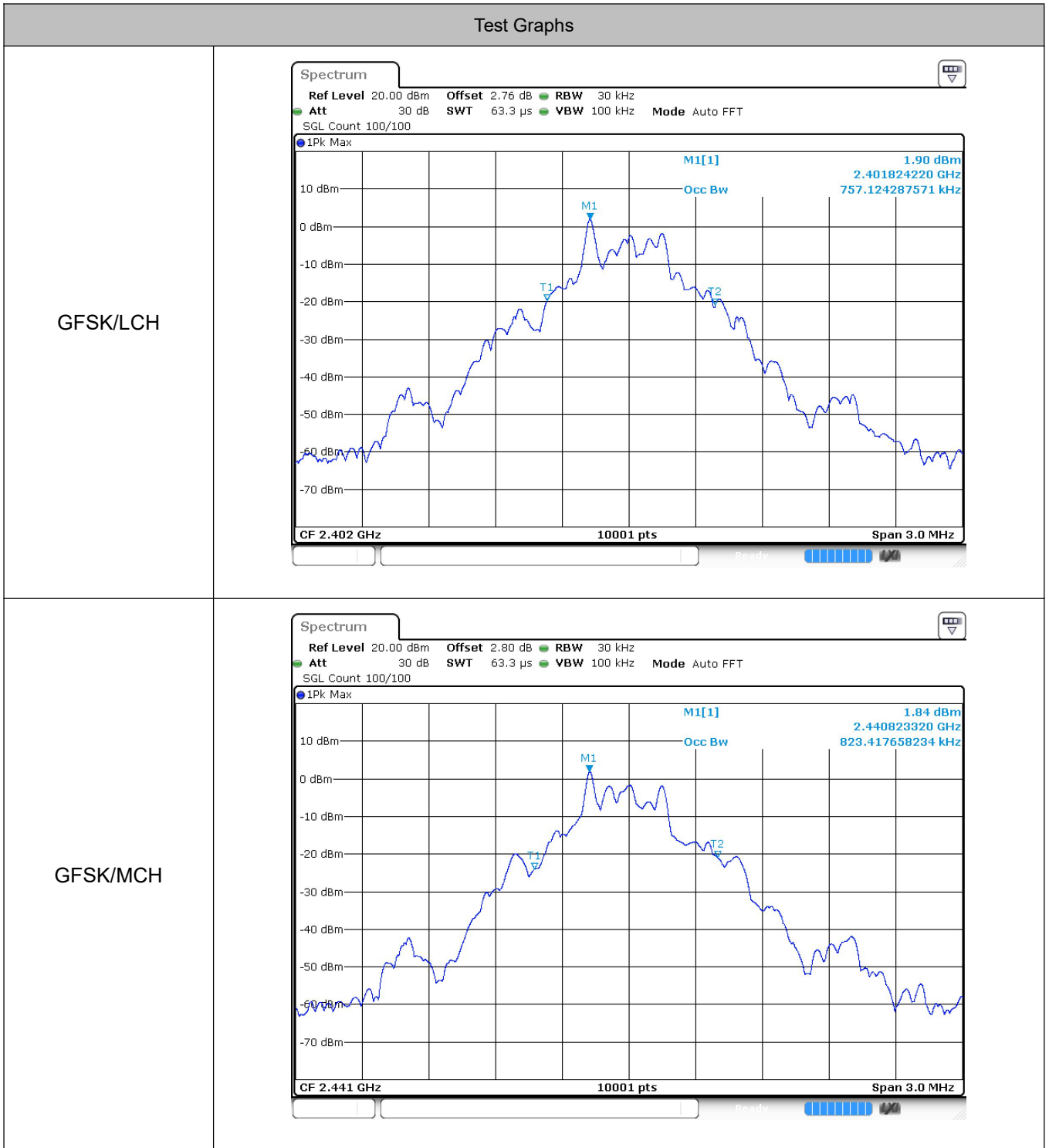


## 4 Occupied Bandwidth

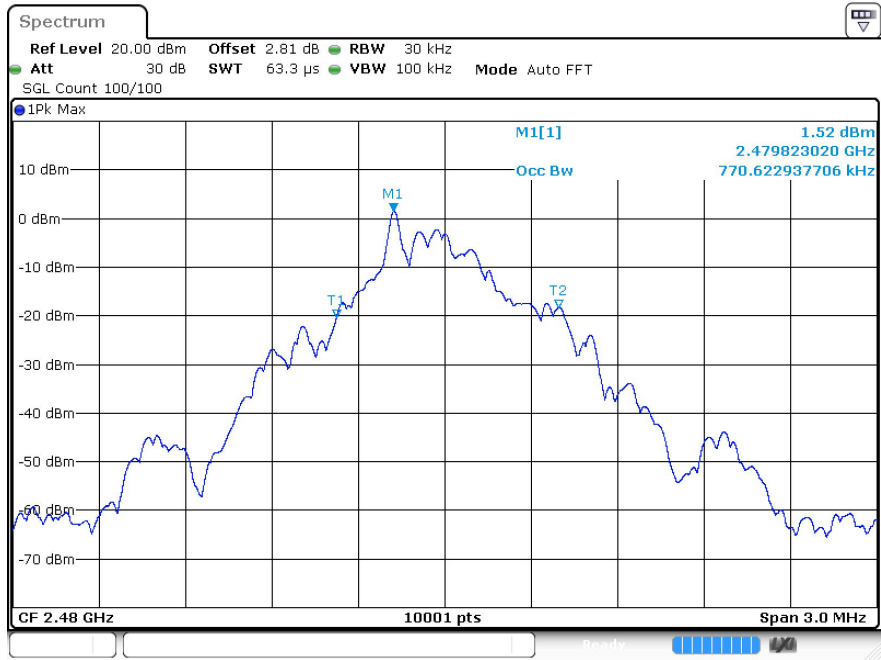
### 4.1 Test Result

Mode	Channel.	99% Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.757	Not Specified	PASS
	MCH	0.823	Not Specified	PASS
	HCH	0.771	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.034	Not Specified	PASS
	MCH	1.059	Not Specified	PASS
	HCH	1.06	Not Specified	PASS
8DPSK	LCH	1.095	Not Specified	PASS
	MCH	1.085	Not Specified	PASS
	HCH	1.026	Not Specified	PASS

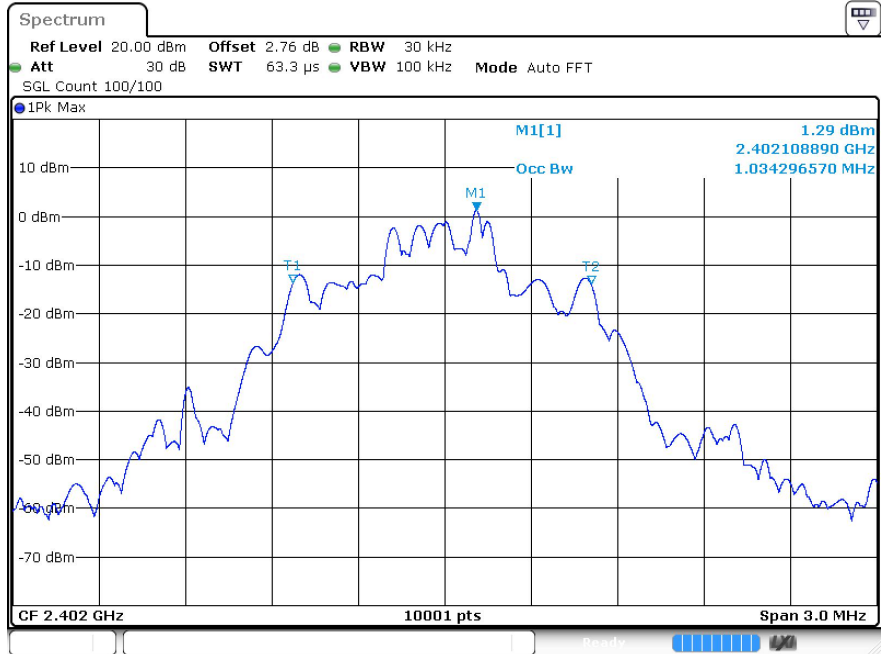
## 4.2 Test Graphs



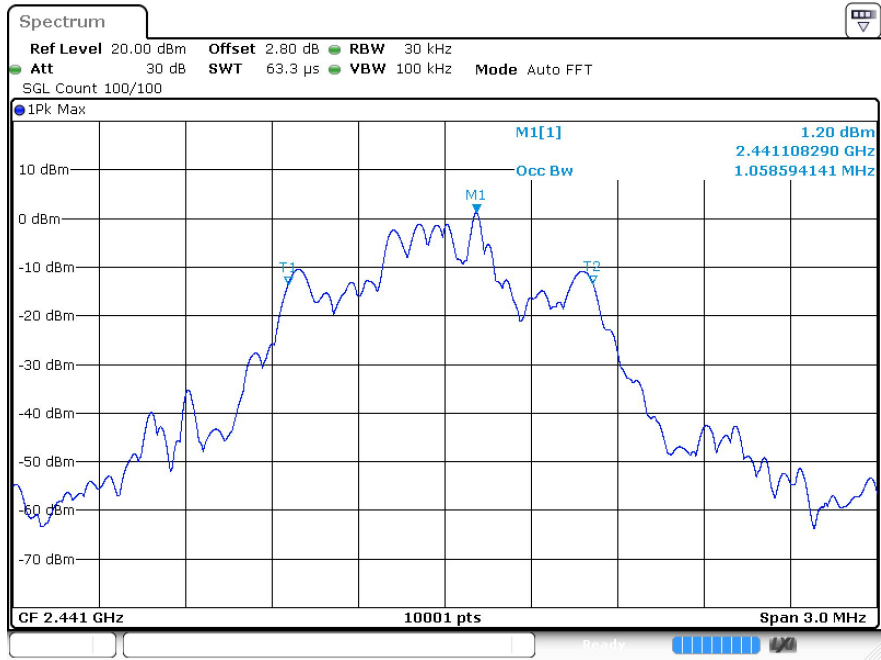
GFSK/HCH



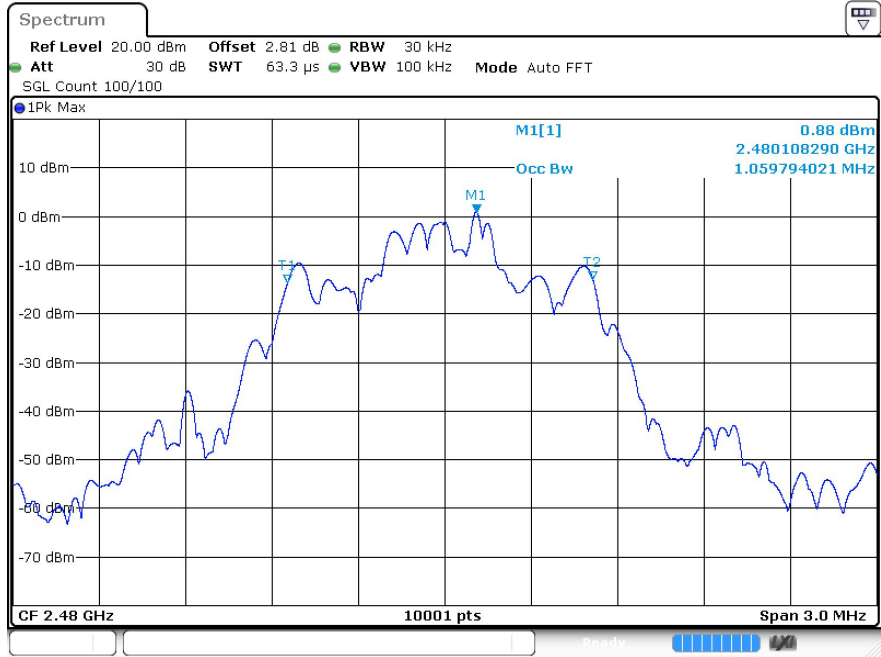
$\pi/4$ DQPSK/LCH



$\pi/4$ DQPSK/MCH



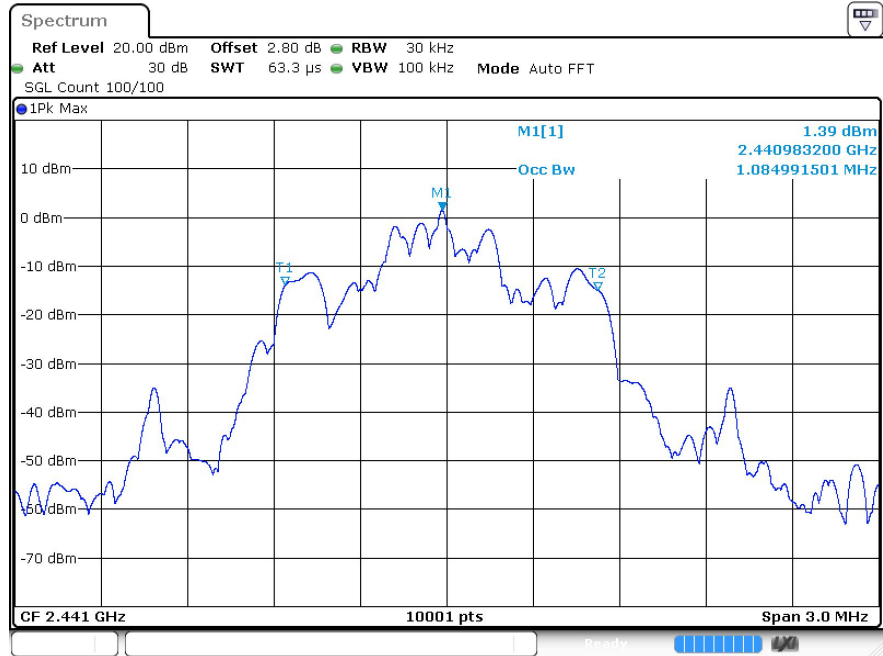
$\pi/4$ DQPSK/HCH



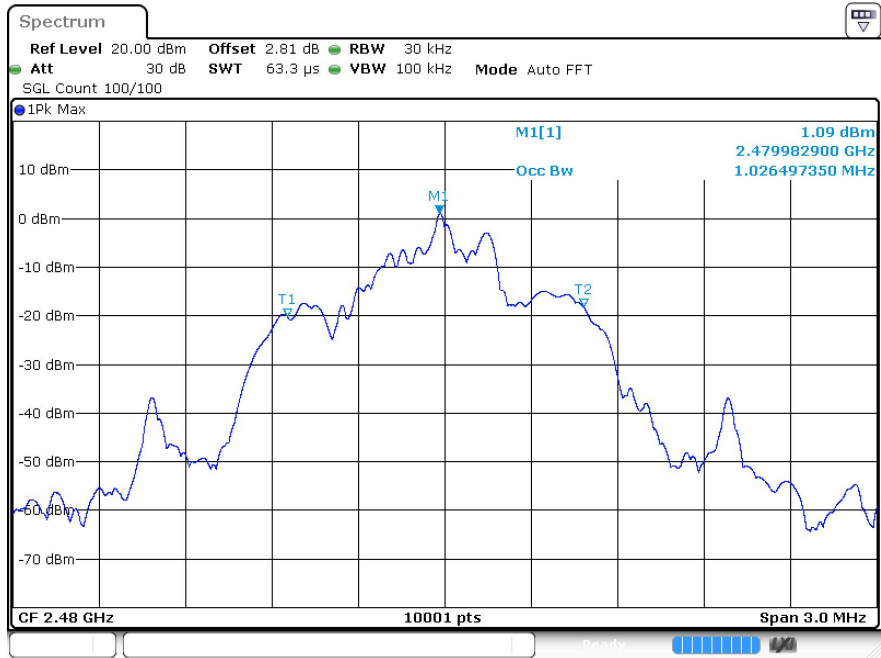
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH



## 5 Carrier Frequency Separation

### 5.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	0.996	0.459	Pass
$\pi/4$ DQPSK	MCH	0.991	0.723	Pass
8DPSK	MCH	1.125	0.768	Pass

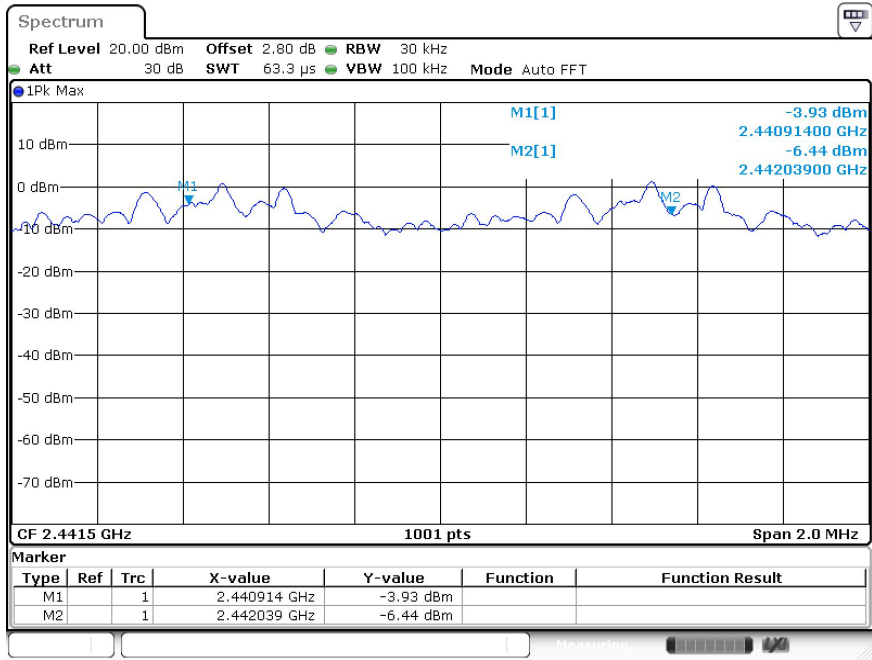
## 5.2 Test Graphs







8DPSK/MCH

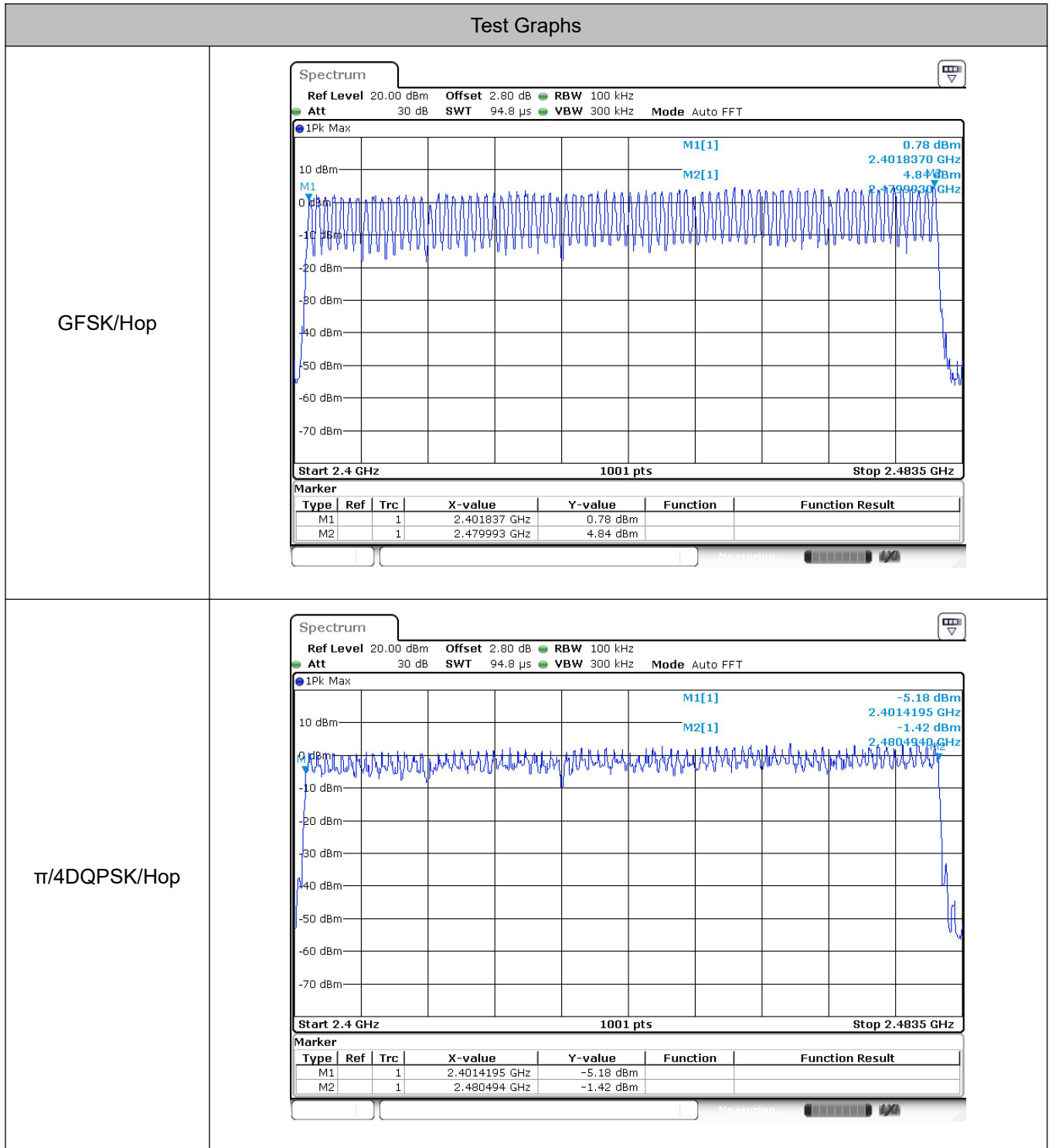


## 6 Hopping Channel Number

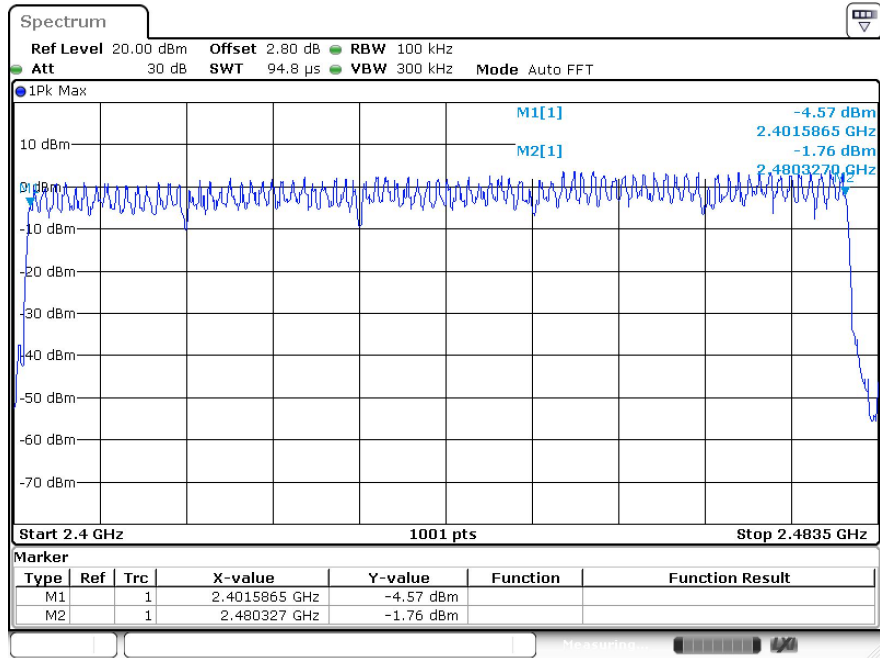
### 6.1 Test Result

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

## 6.2 Test Graphs



8DPSK/Hop

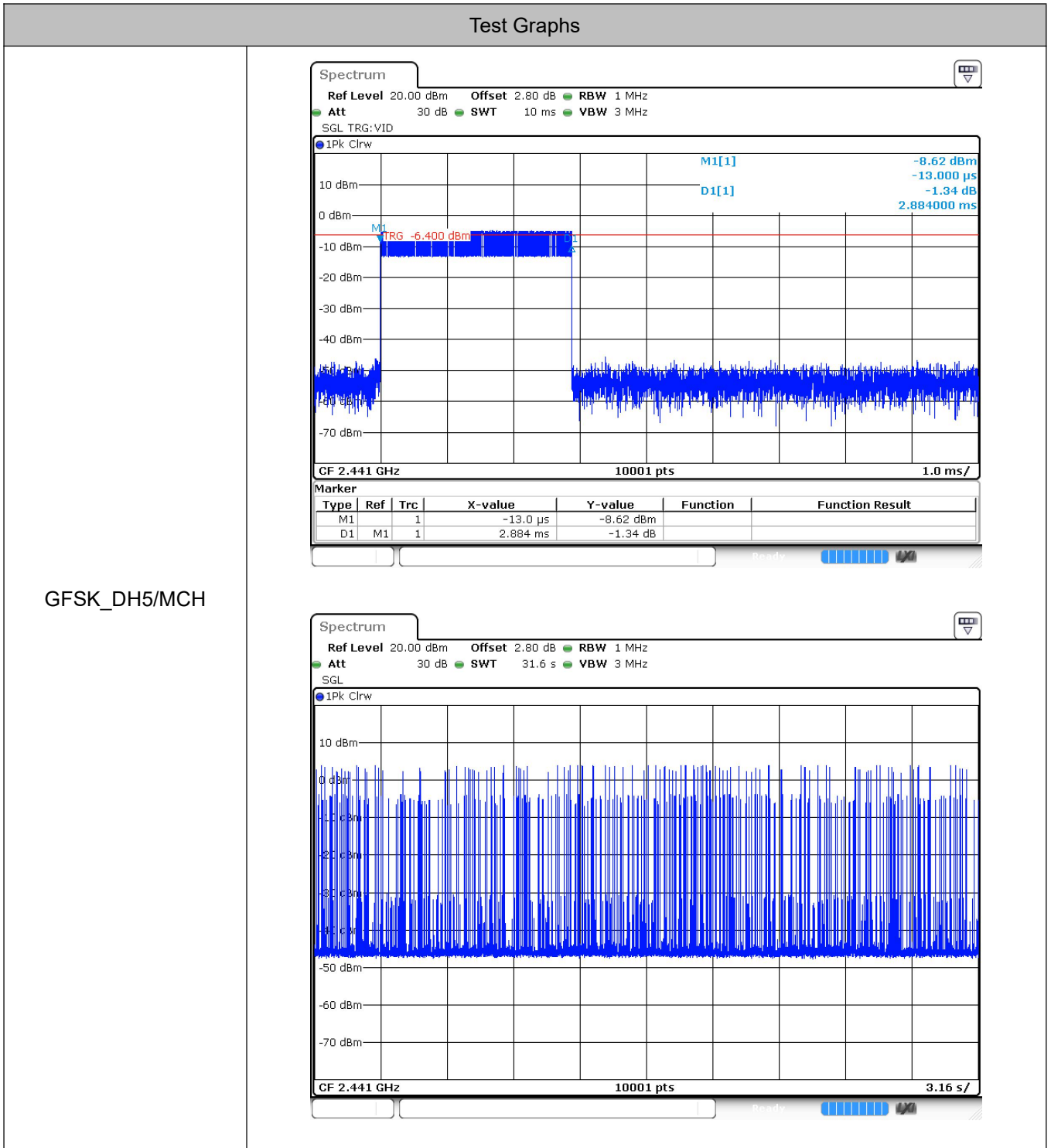


## 7 Dwell Time

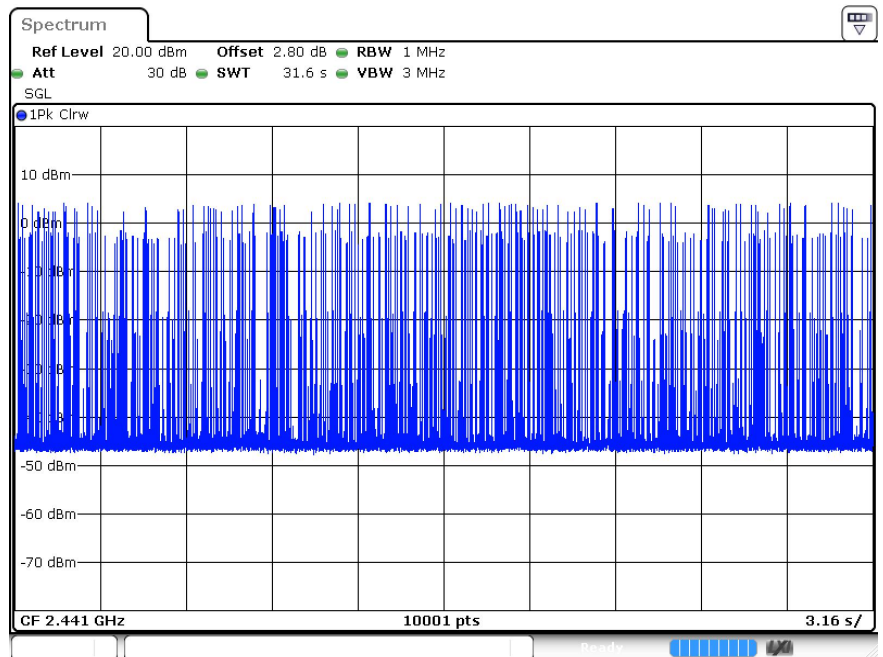
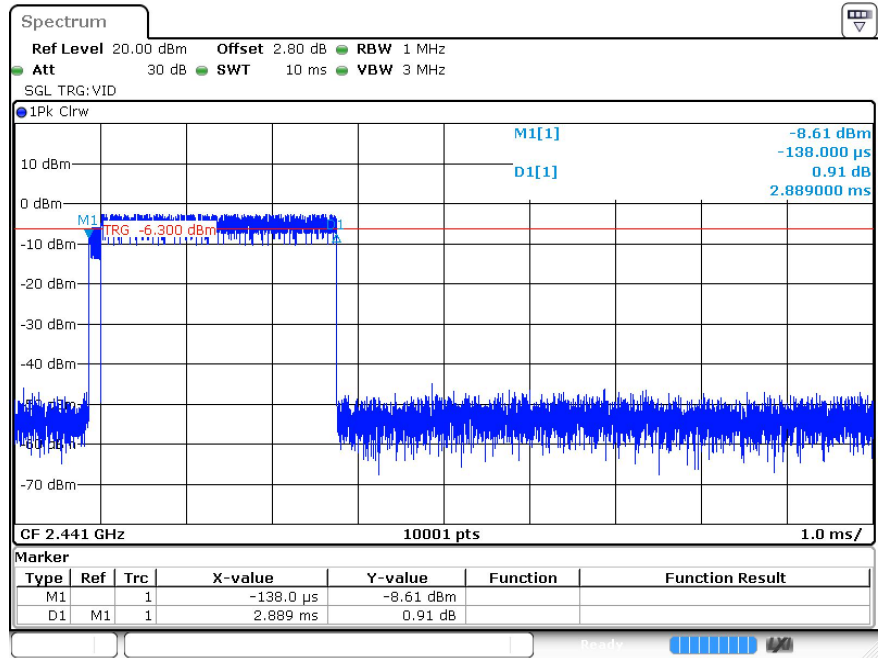
### 7.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.884	119	343.196	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.889	118	340.902	0.4	Pass
8DPSK	3DH5	MCH	2.891	100	289.1	0.4	Pass

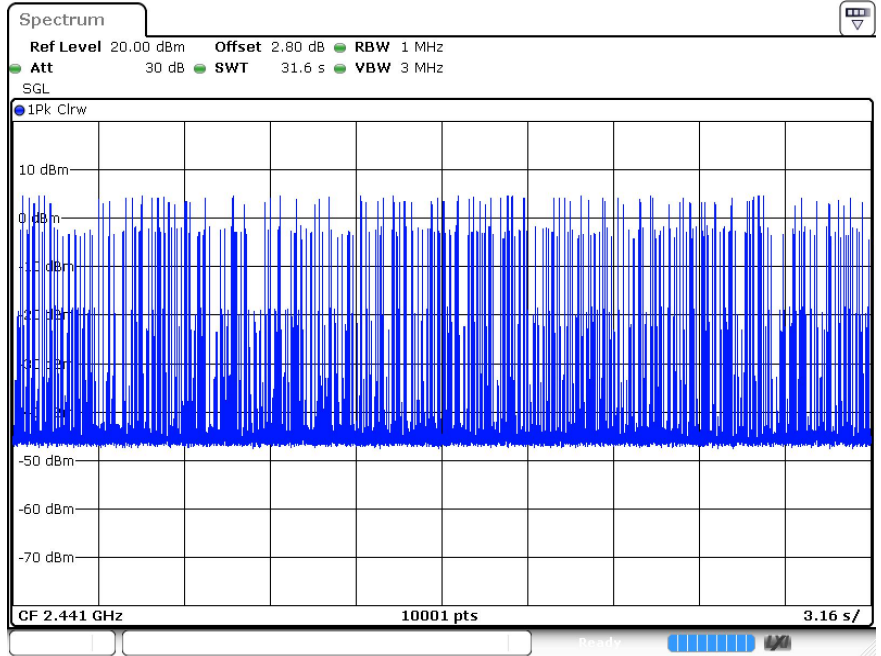
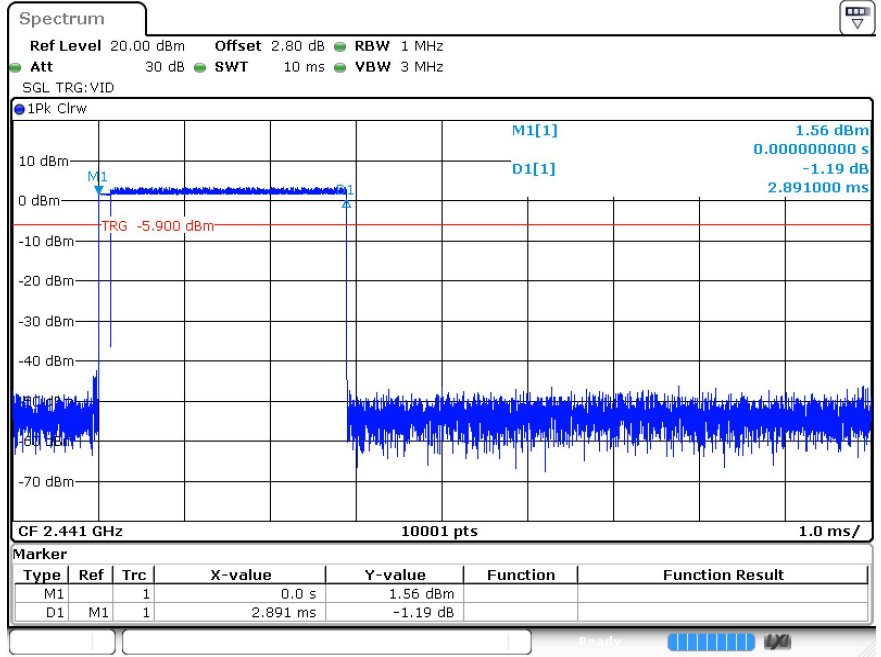
## 7.2 Test Graphs



$\pi/4$ DQPSK  
\_2DH5/MCH



8DPSK\_3DH5/MCH



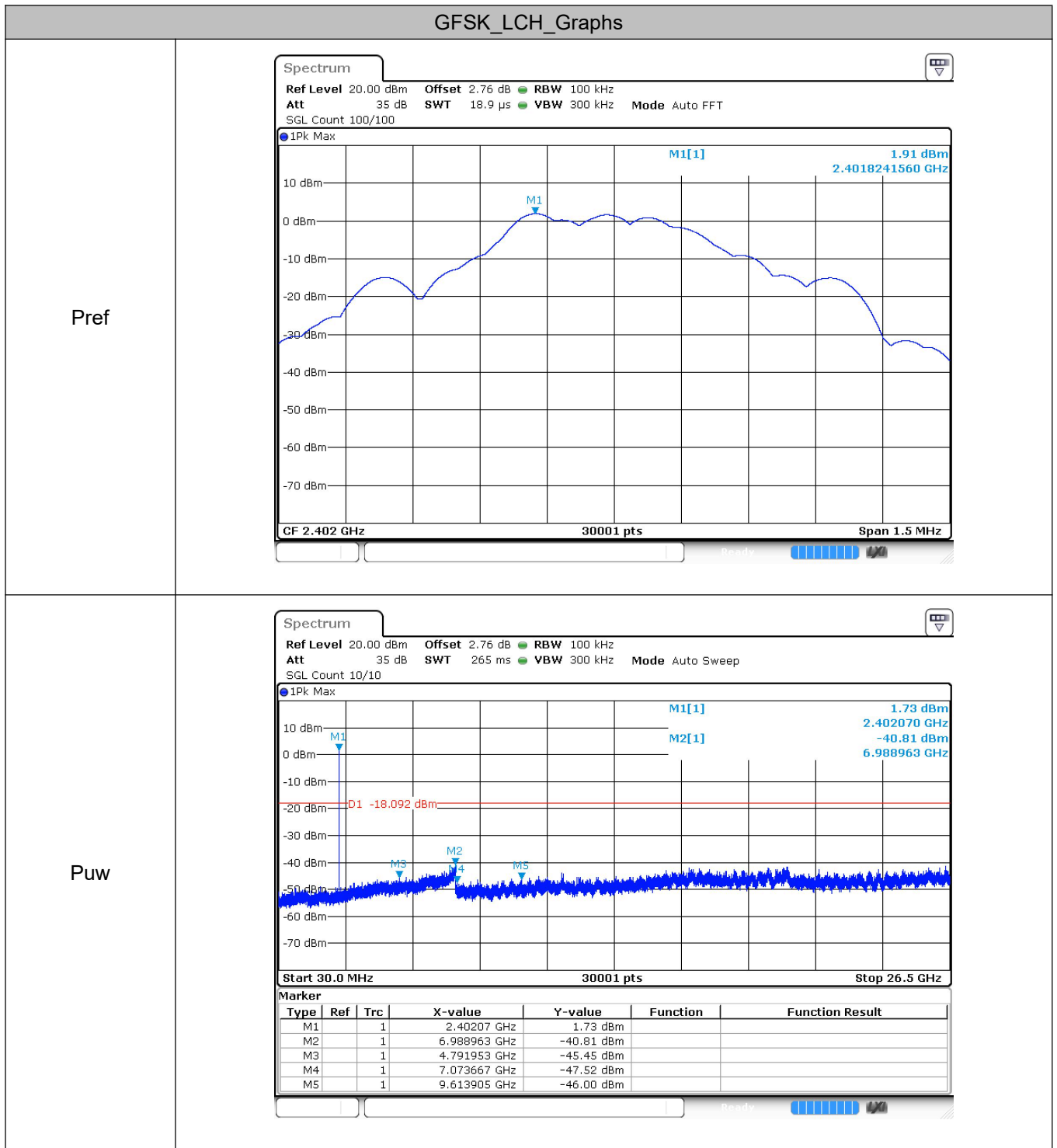


## 8 RF Conducted Spurious Emissions

### 8.1 Test Result

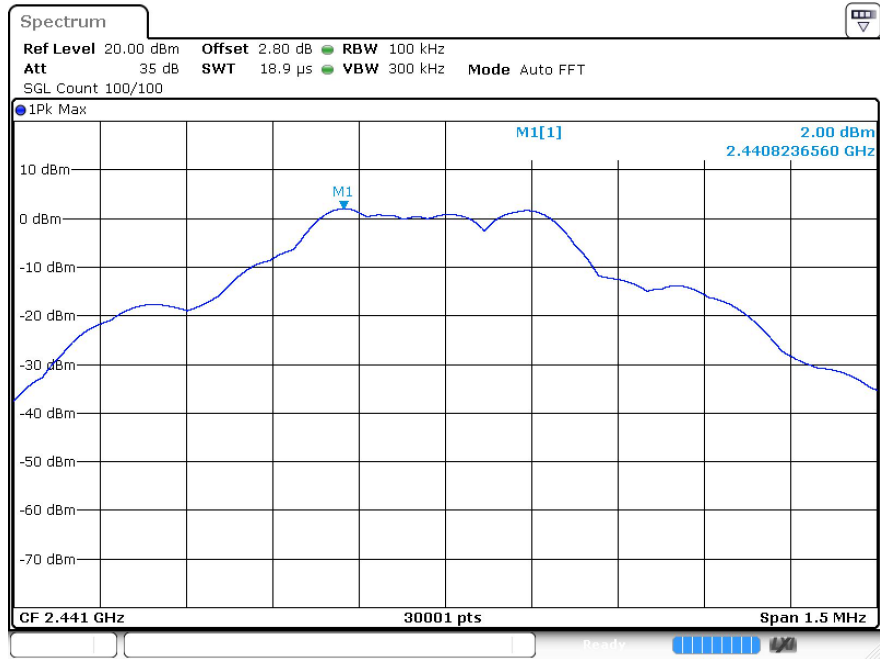
Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-42.71	-20	Pass
	MCH	-41.37	-20	Pass
	HCH	-42.58	-20	Pass
$\pi/4$ DQPSK	LCH	-43.1	-20	Pass
	MCH	-43.74	-20	Pass
	HCH	-43.59	-20	Pass
8DPSK	LCH	-42.68	-20	Pass
	MCH	-42.9	-20	Pass
	HCH	-43.13	-20	Pass

## 8.2 Test Graphs

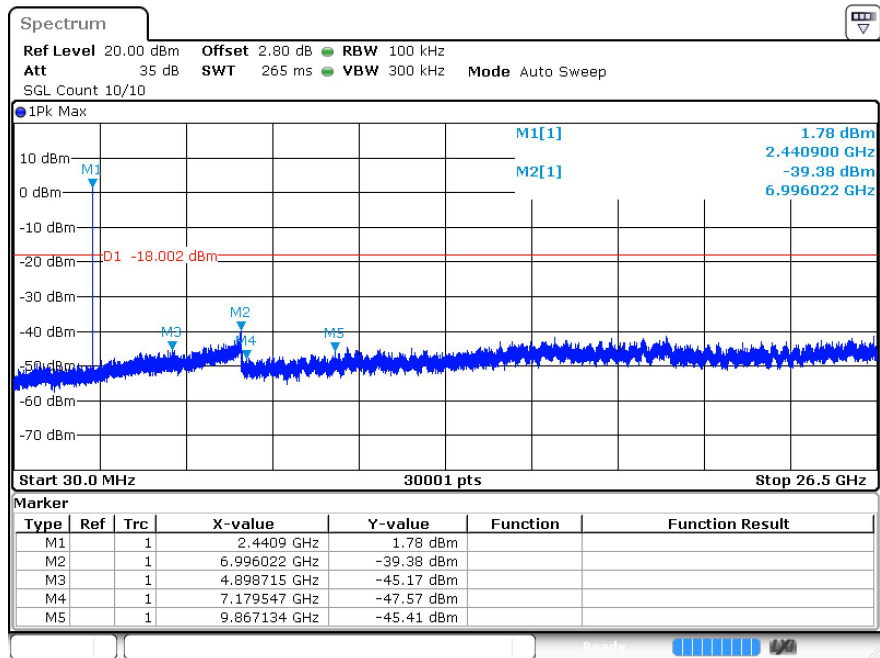


GFSK\_MCH\_Graphs

Pref

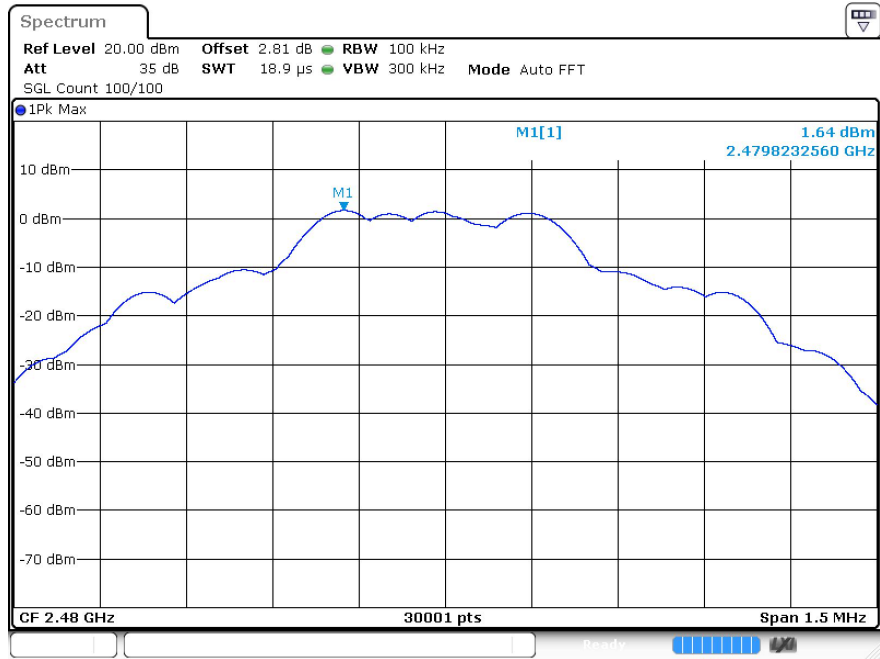


Puw

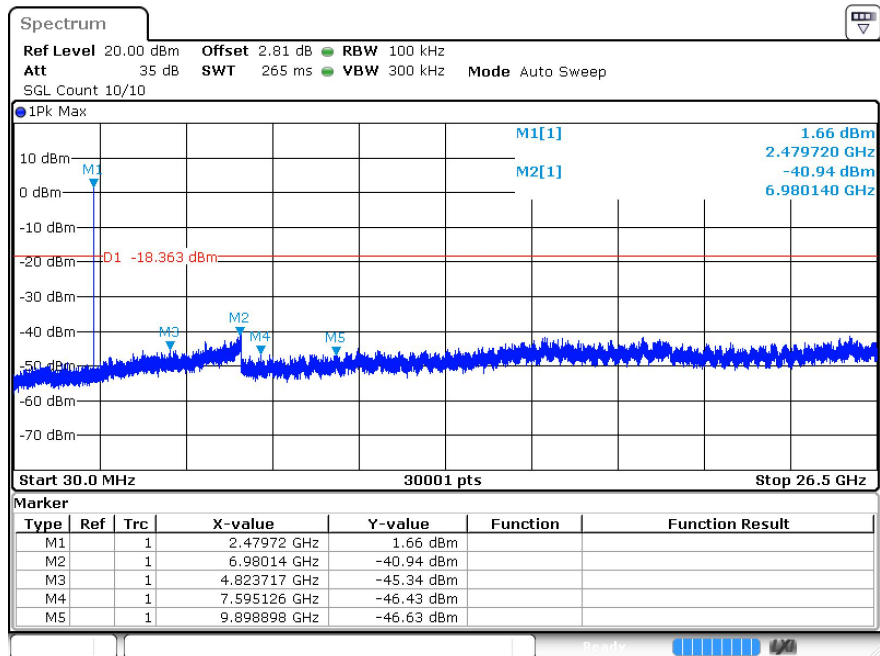


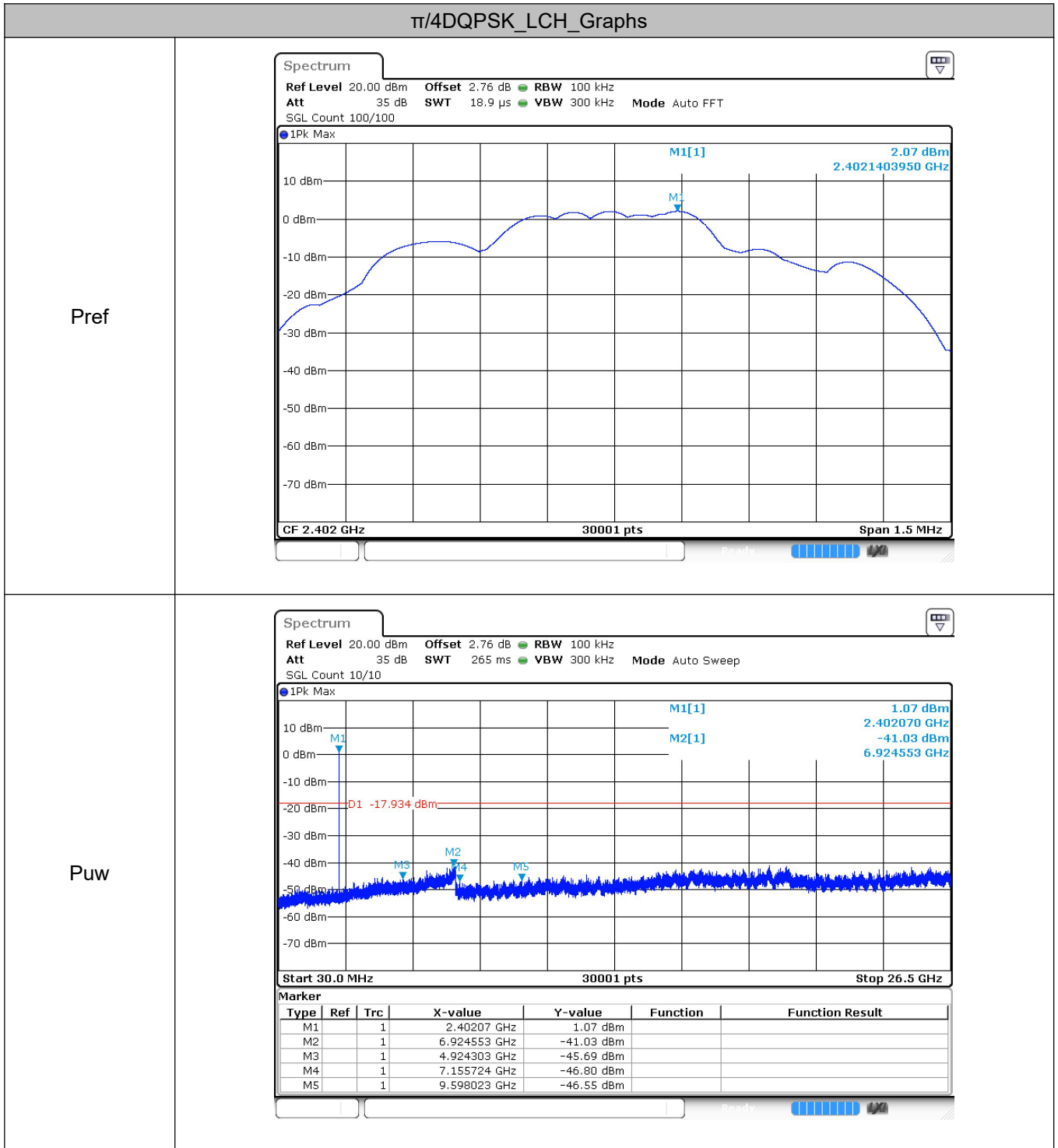
GFSK\_HCH\_Graphs

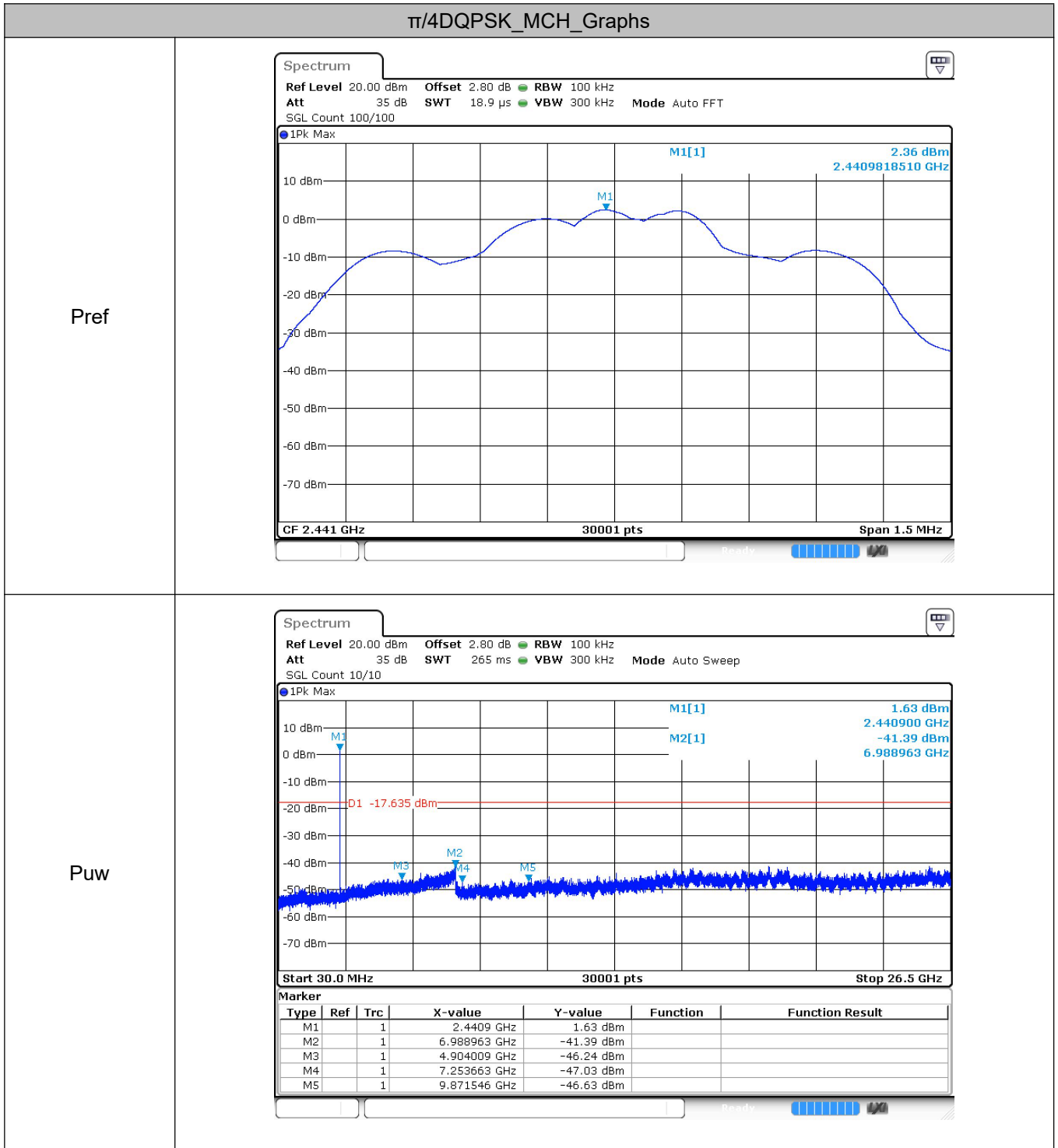
Pref



Puw

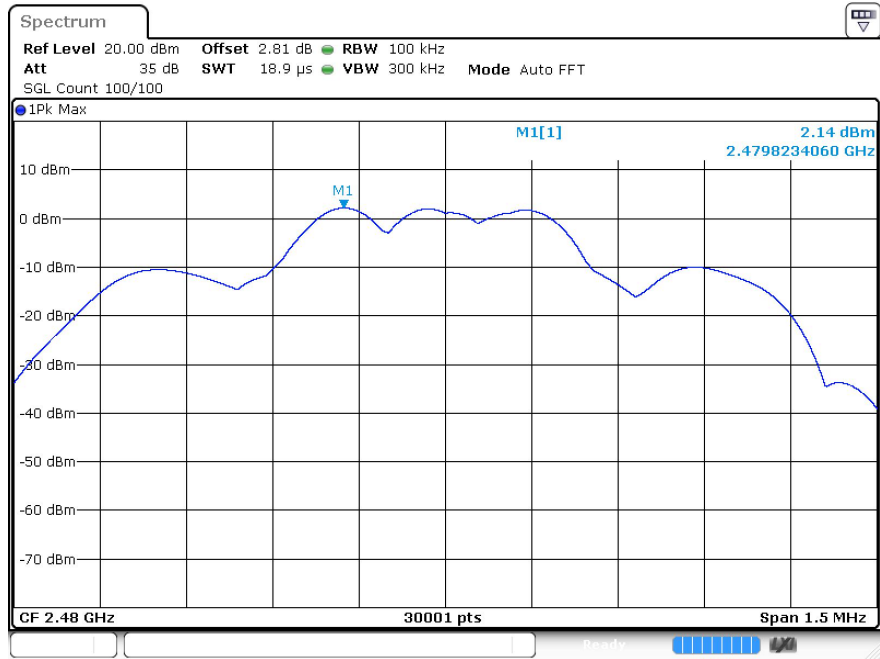




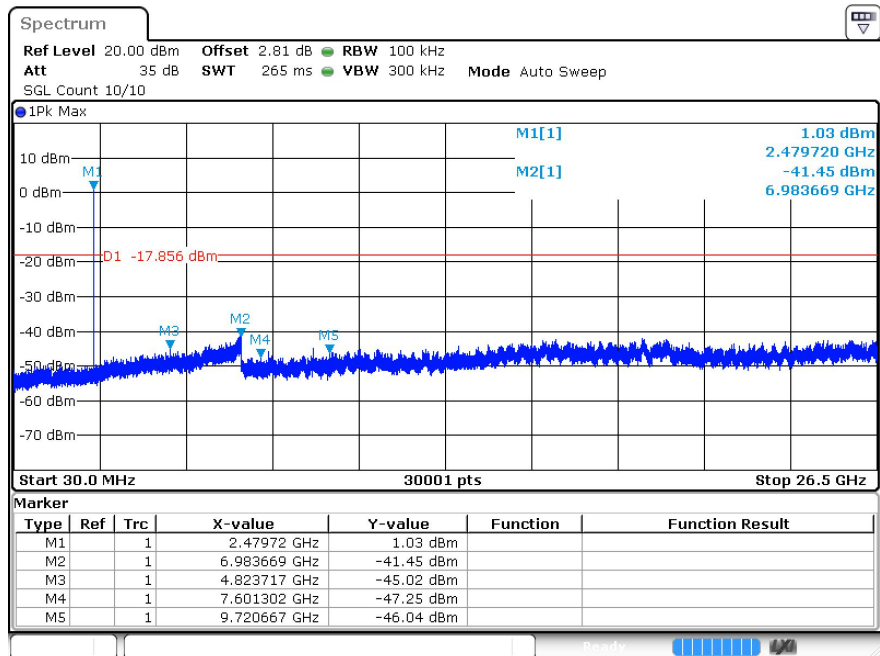


$\pi/4$ DQPSK\_HCH\_Graphs

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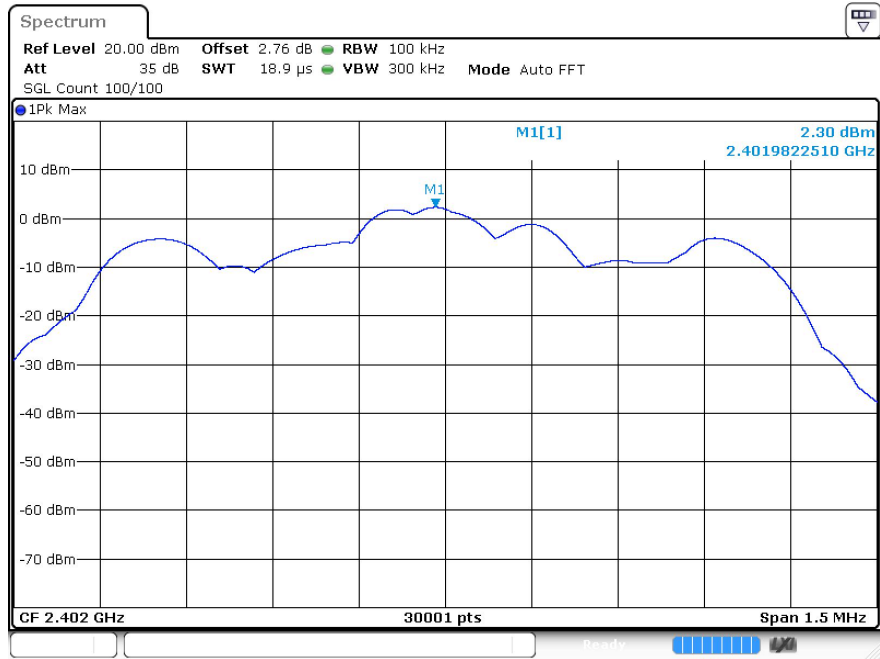


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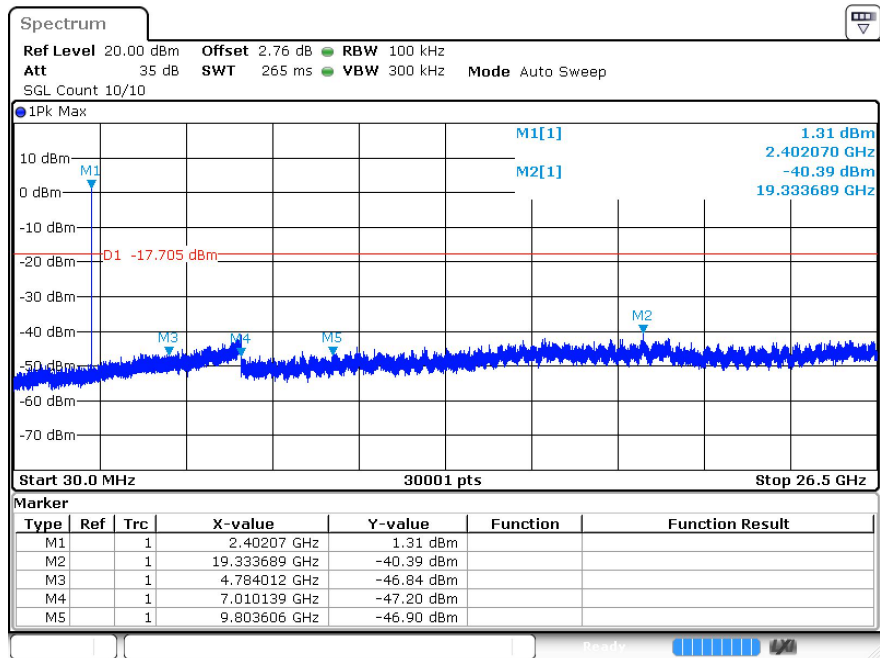


8DPSK\_LCH\_Graphs

Pref



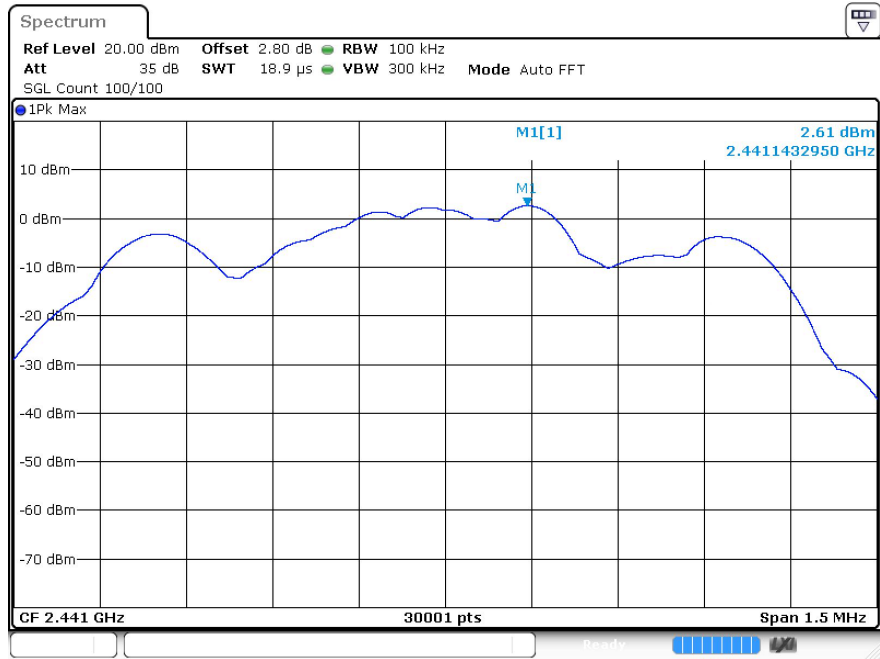
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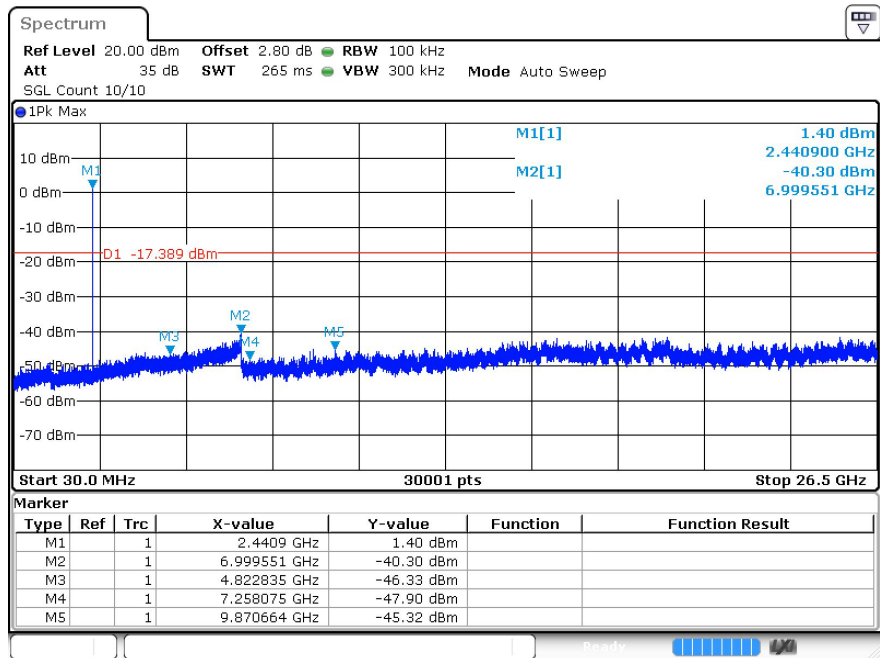


8DPSK\_MCH\_Graphs

Pref

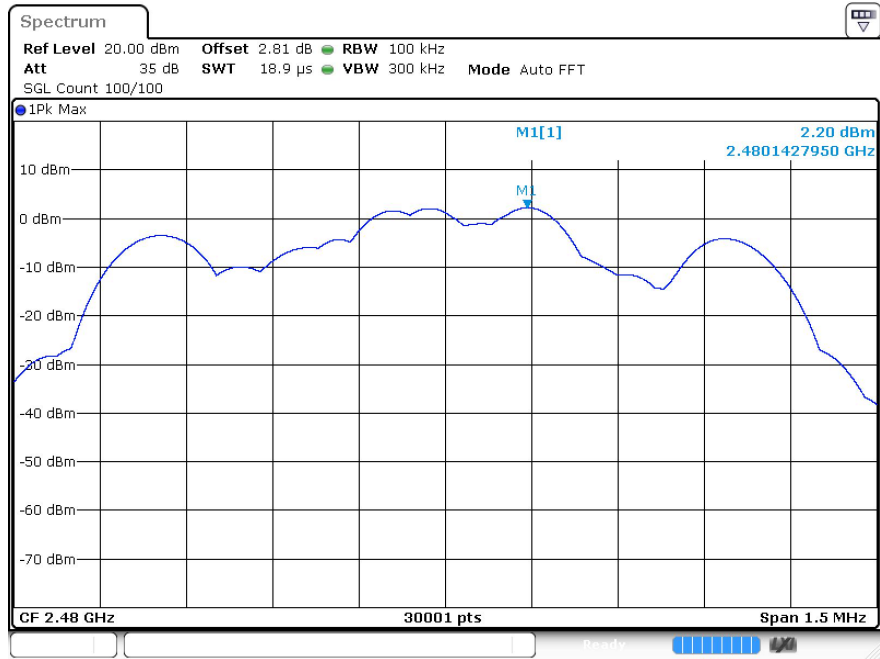


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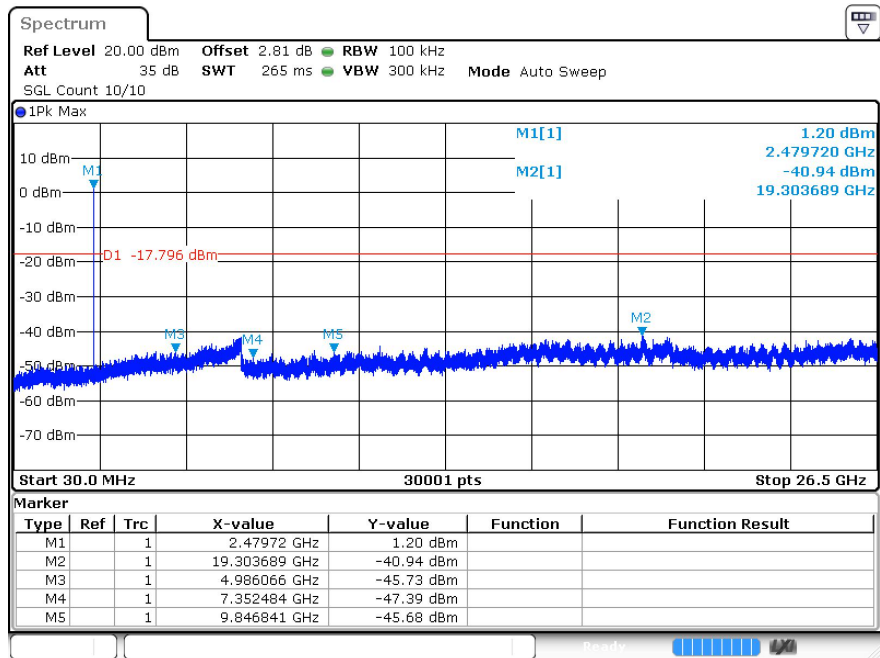


8DPSK\_HCH\_Graphs

Pref



Puw

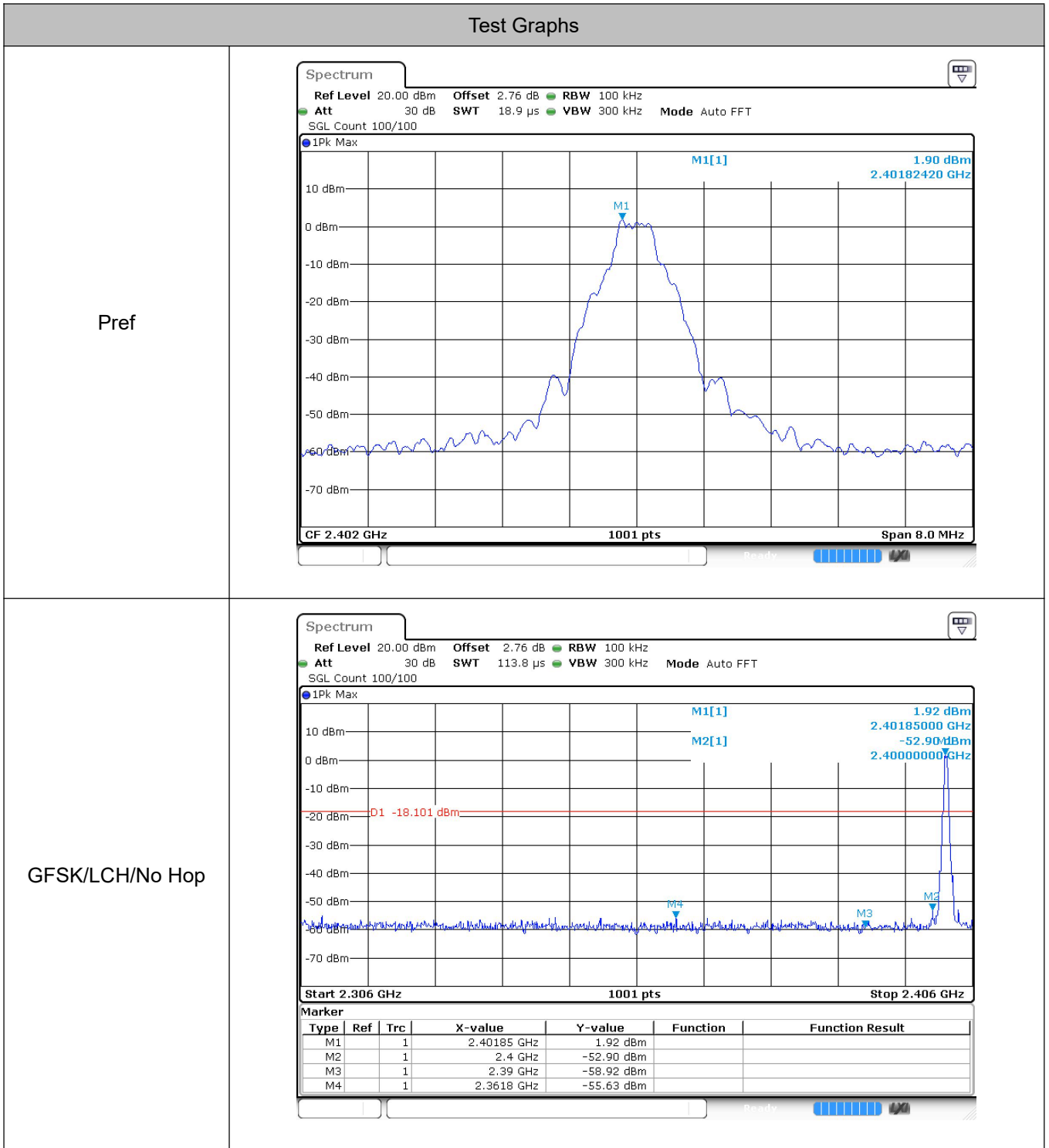


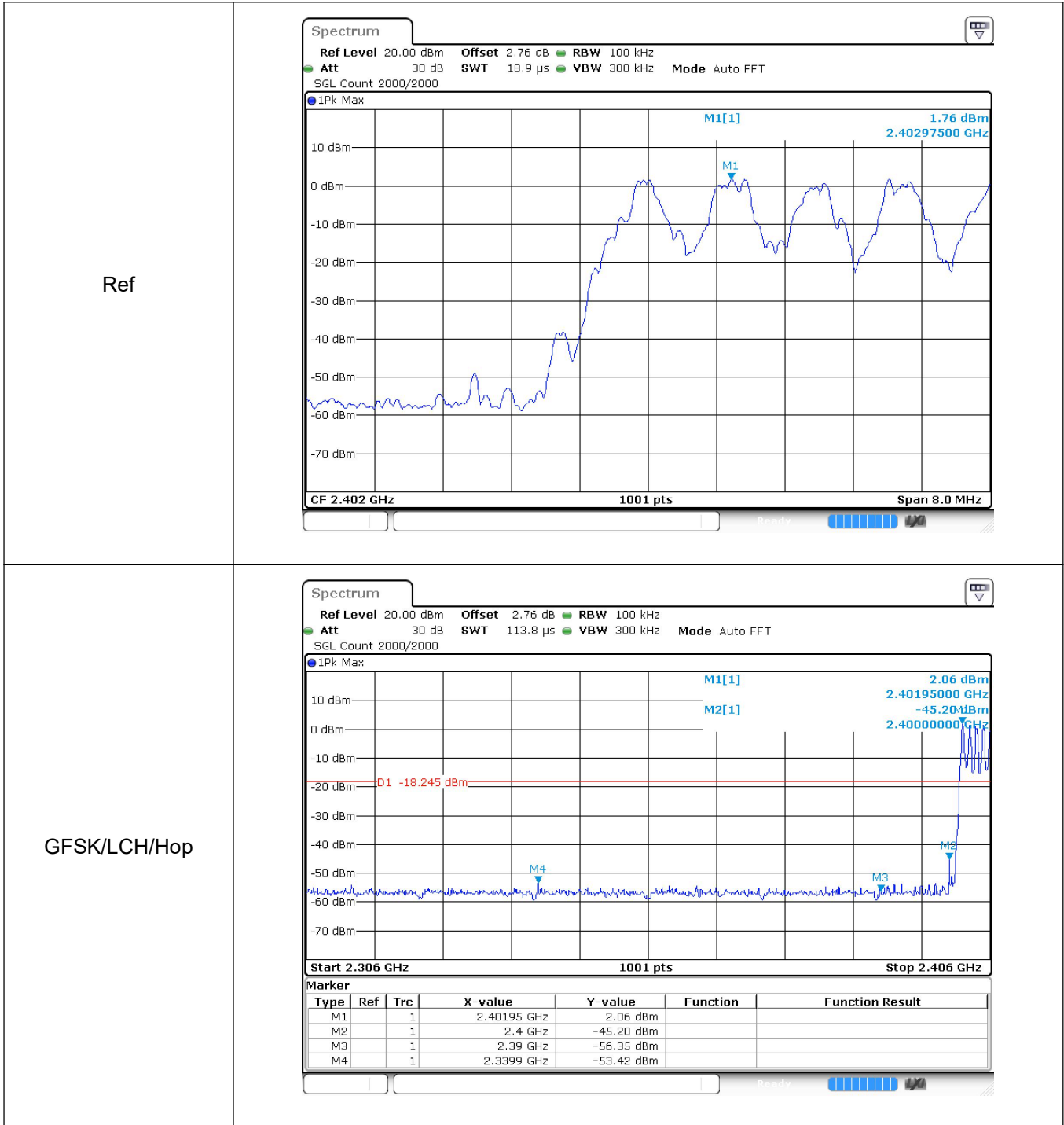
## 9 Band-edge for RF Conducted Emissions

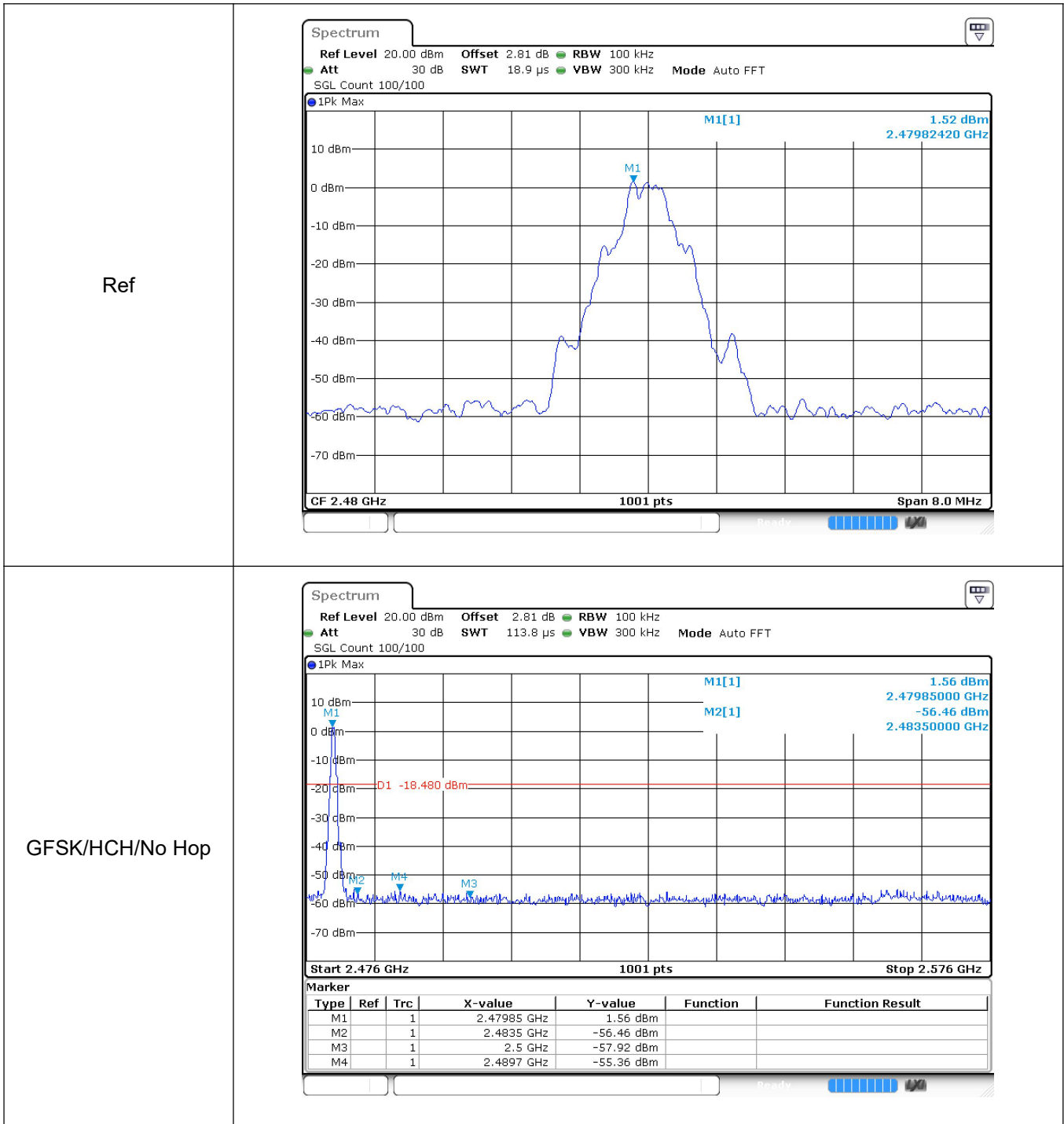
### 9.1 Test Result

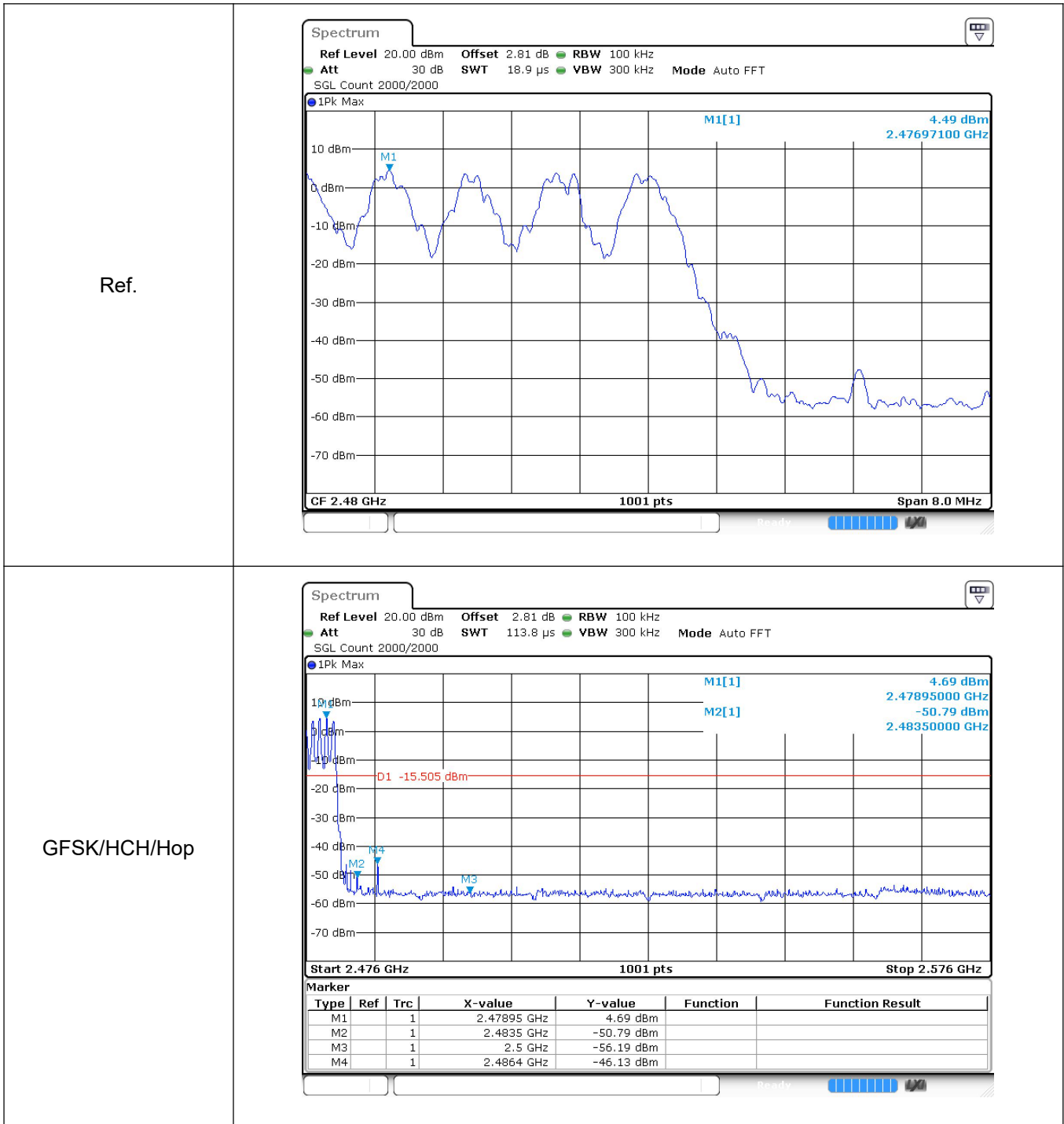
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-57.53	-20	Pass
			On	-55.18	-20	Pass
	HCH	2480	Off	-56.88	-20	Pass
			On	-50.61	-20	Pass
$\pi/4$ DQPSK	LCH	2402	Off	-57.28	-20	Pass
			On	-54.5	-20	Pass
	HCH	2480	Off	-57.66	-20	Pass
			On	-52.99	-20	Pass
8DPSK	LCH	2402	Off	-58.06	-20	Pass
			On	-54.45	-20	Pass
	HCH	2480	Off	-56.91	-20	Pass
			On	-49.21	-20	Pass

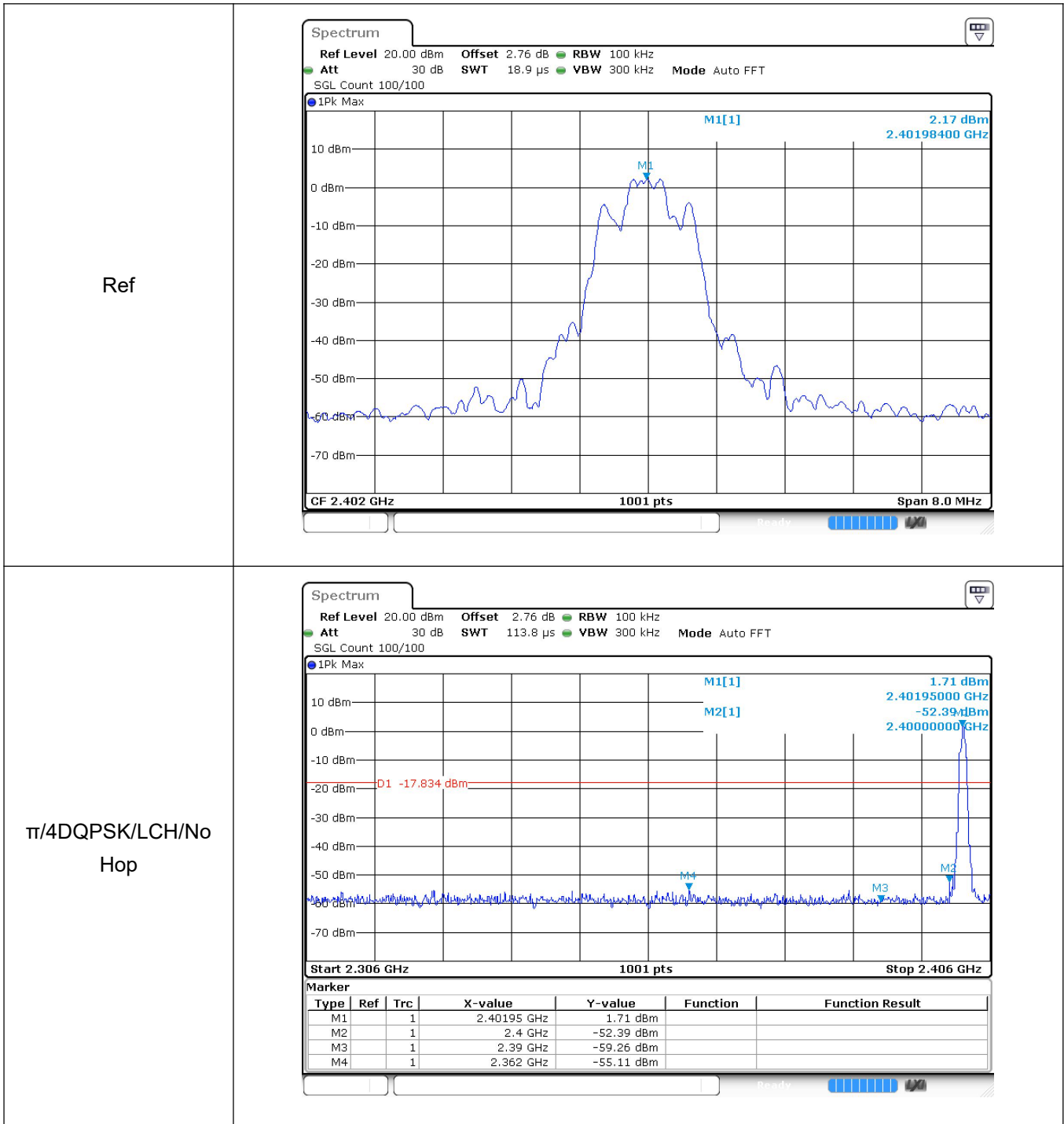
## 9.2 Test Graphs



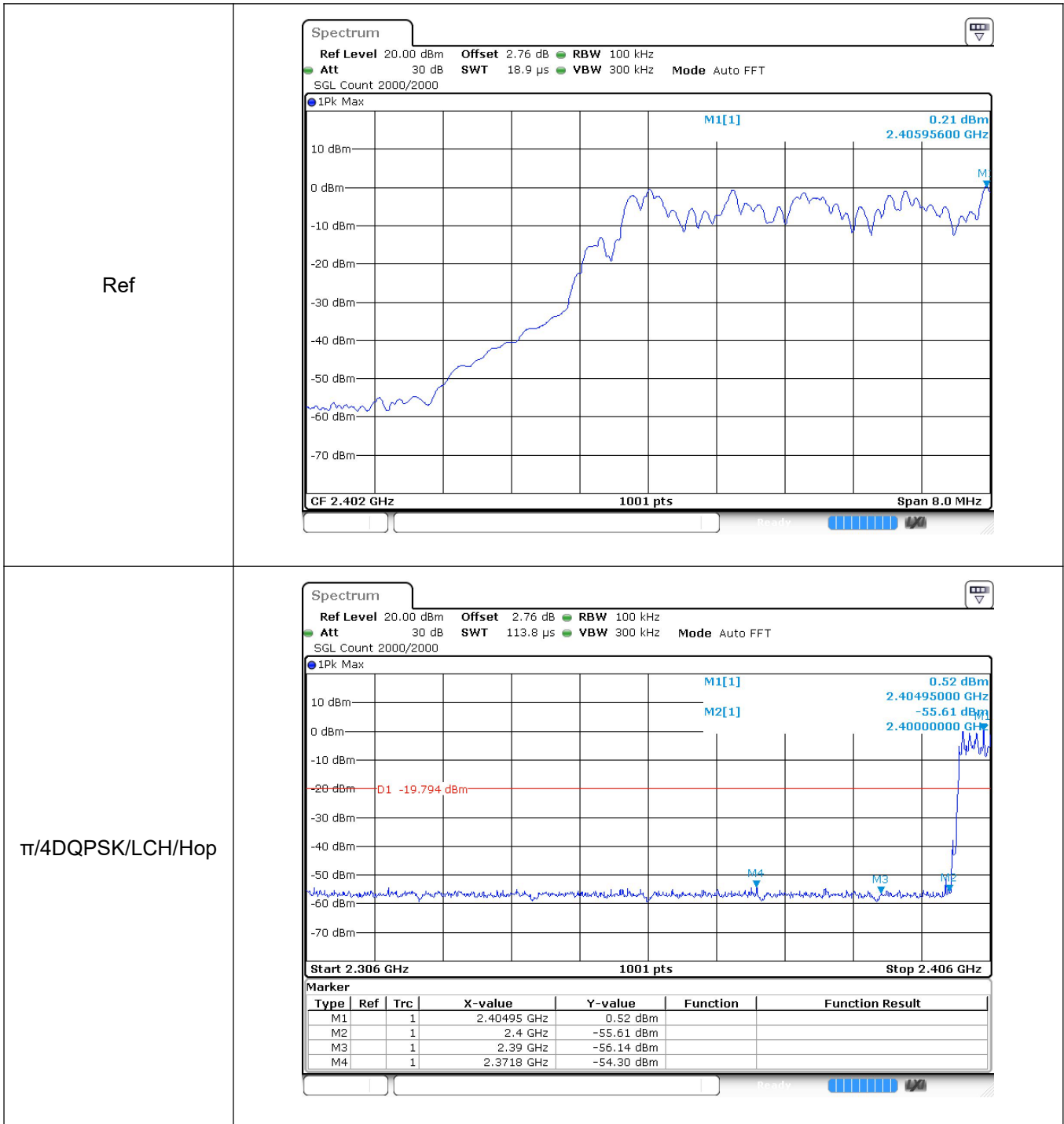


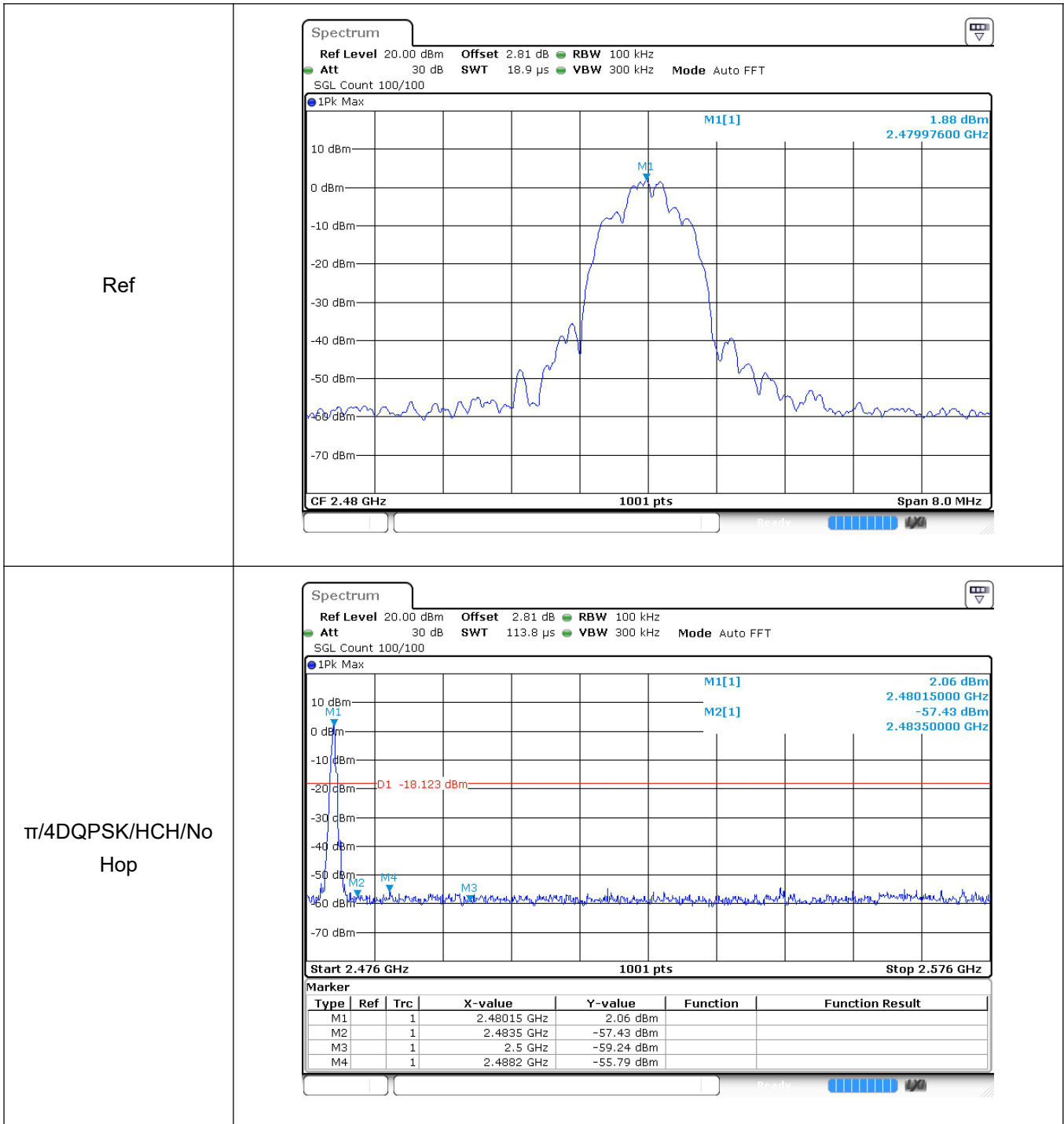


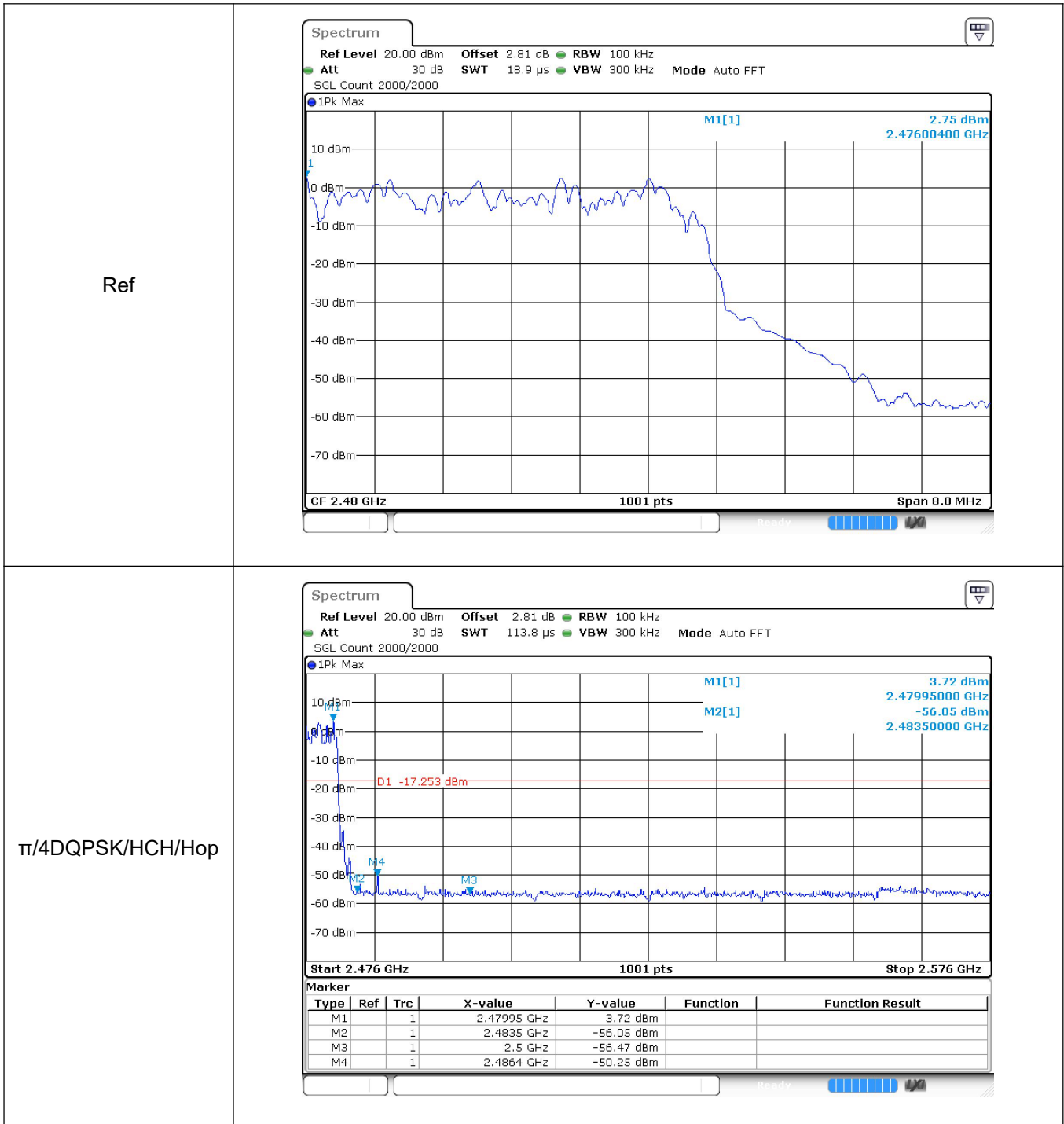


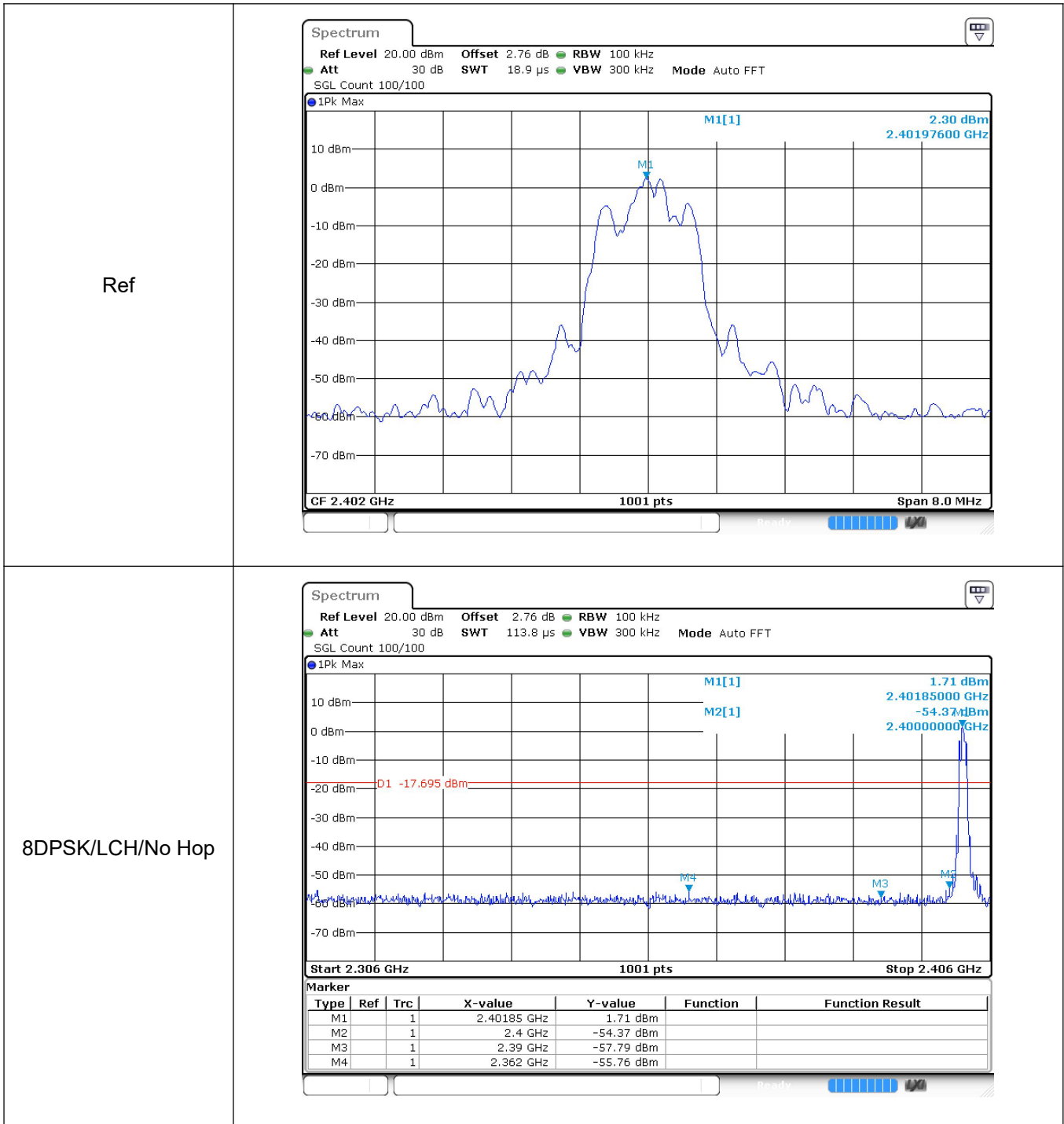


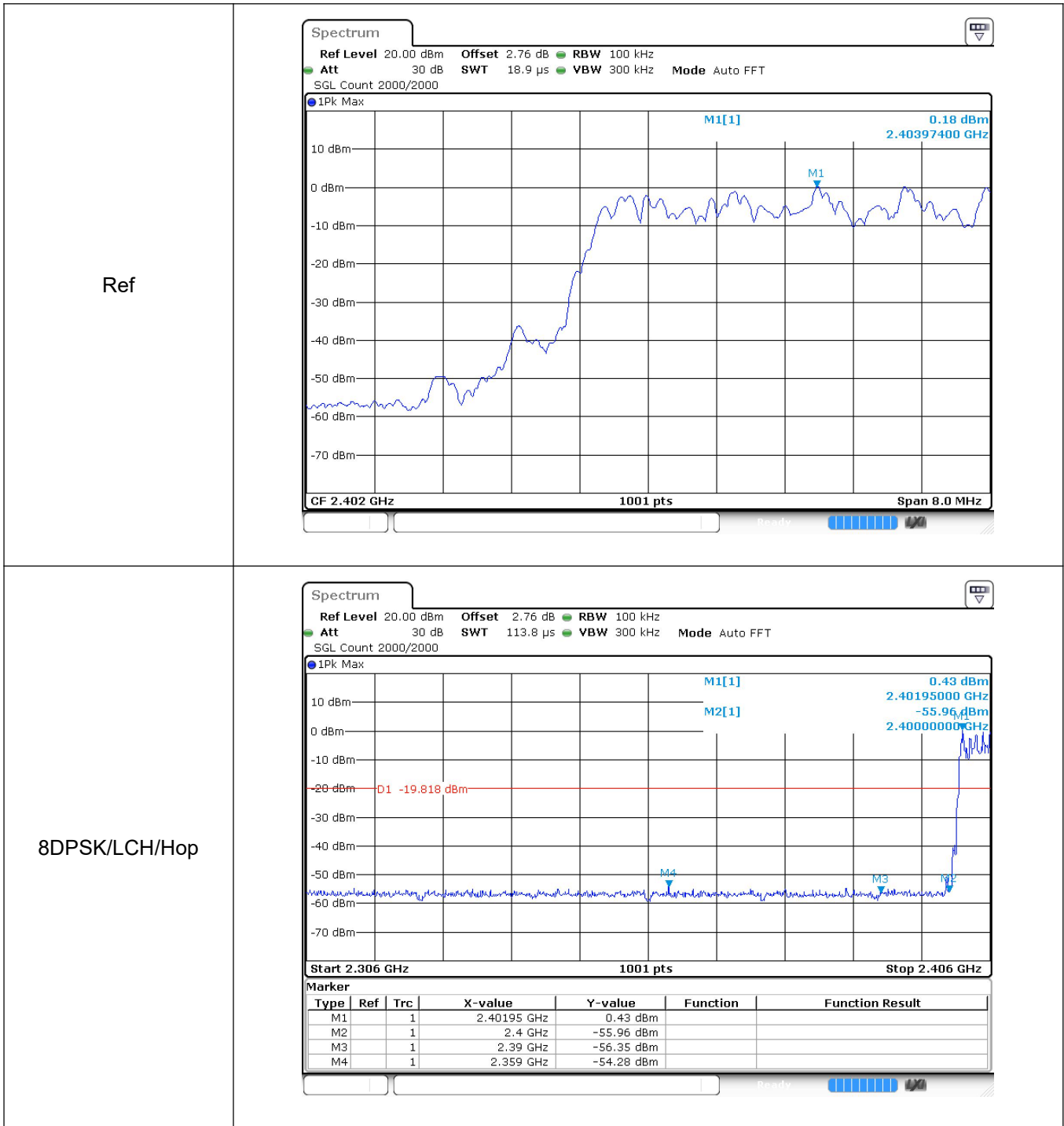


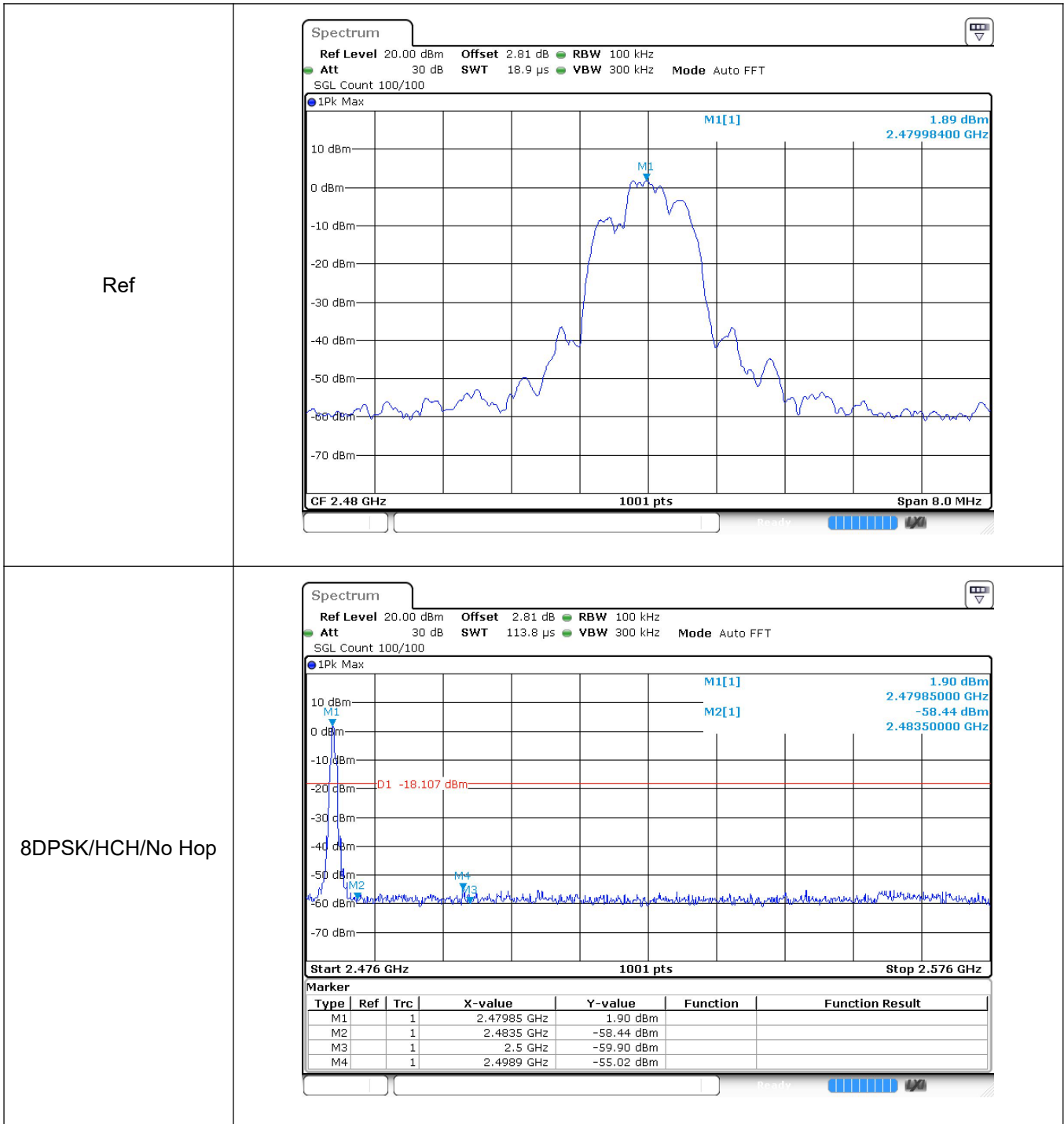


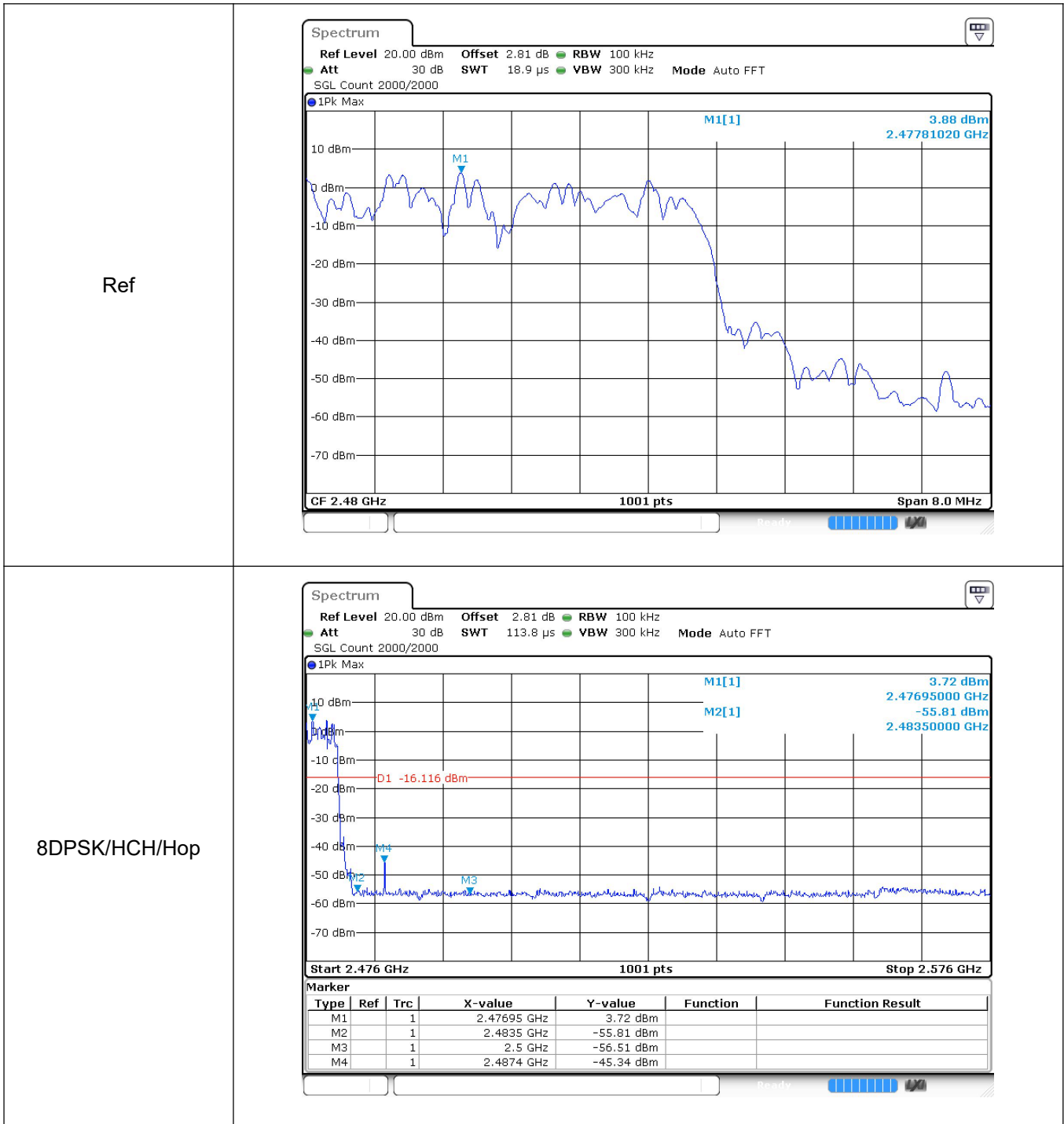












## 10 Restrict-band band-edge measurements

### 10.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-43.4	4.26	56.12	PEAK	74	Pass
	Off	2310.0	-52.84	4.26	46.68	AV	54	Pass
	Off	2338.704	-41.47	4.26	58.05	PEAK	74	Pass
	Off	2340.816	-51.19	4.26	48.33	AV	54	Pass
	Off	2390.0	-45.88	4.26	53.64	PEAK	74	Pass
	Off	2390.0	-53.75	4.26	45.77	AV	54	Pass
	Off	2483.5	-44.03	4.26	55.49	PEAK	74	Pass
	Off	2483.5	-53.07	4.26	46.45	AV	54	Pass
	Off	2488.6	-41.67	4.26	57.85	PEAK	74	Pass
	Off	2499.784	-52.7	4.26	46.82	AV	54	Pass
	Off	2500.0	-43.13	4.26	56.39	PEAK	74	Pass
	Off	2500.0	-52.8	4.26	46.72	AV	54	Pass
$\pi/4$ DQPSK	Off	2310.0	-44.25	4.26	55.27	PEAK	74	Pass
	Off	2310.0	-53.05	4.26	46.47	AV	54	Pass
	Off	2373.456	-41.97	4.26	57.55	PEAK	74	Pass
	Off	2338.224	-50.81	4.26	48.71	AV	54	Pass
	Off	2390.0	-45.83	4.26	53.69	PEAK	74	Pass
	Off	2390.0	-53.57	4.26	45.95	AV	54	Pass
	Off	2483.5	-43.81	4.26	55.71	PEAK	74	Pass
	Off	2483.5	-52.7	4.26	46.82	AV	54	Pass
	Off	2490.544	-41.79	4.26	57.73	PEAK	74	Pass
	Off	2497.696	-52.49	4.26	47.03	AV	54	Pass
	Off	2500.0	-43.13	4.26	56.39	PEAK	74	Pass
	Off	2500.0	-52.84	4.26	46.68	AV	54	Pass
8DPSK	Off	2310.0	-44.44	4.26	55.08	PEAK	74	Pass
	Off	2310.0	-52.9	4.26	46.62	AV	54	Pass
	Off	2327.568	-42.59	4.26	56.93	PEAK	74	Pass
	Off	2341.008	-50.21	4.26	49.31	AV	54	Pass
	Off	2390.0	-43.3	4.26	56.22	PEAK	74	Pass
	Off	2390.0	-53.66	4.26	45.86	AV	54	Pass

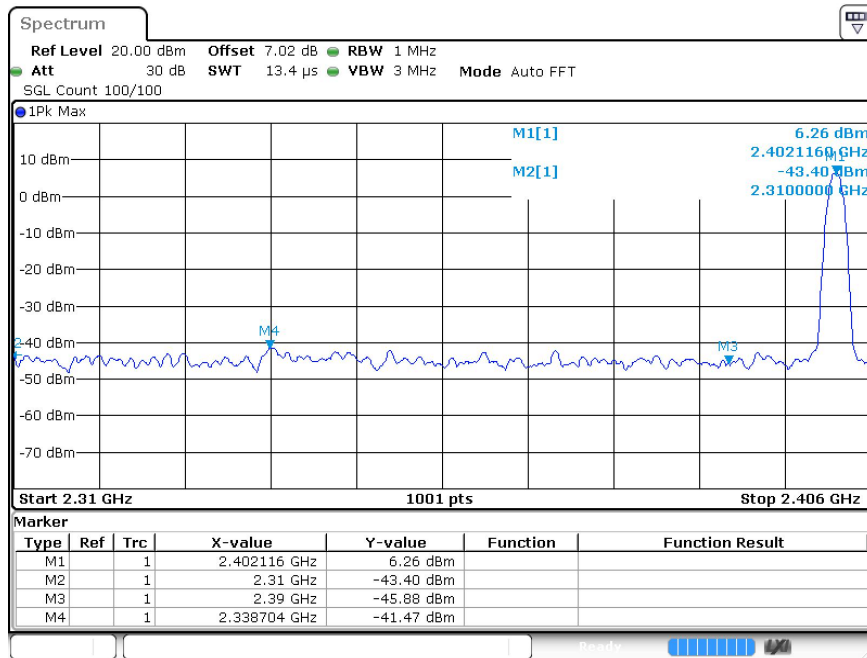




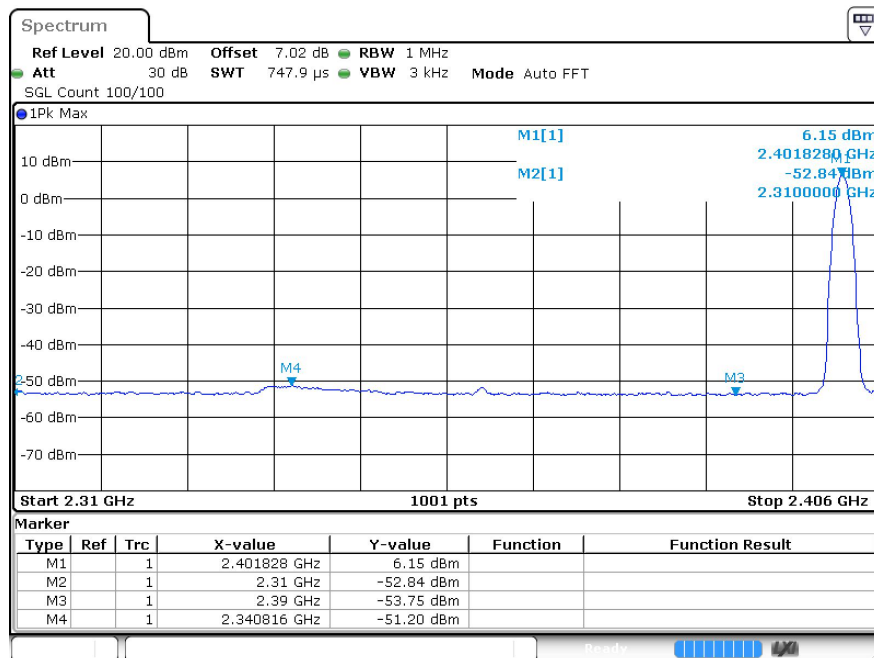
Off	2483.5	-45.86	4.26	53.66	PEAK	74	Pass
Off	2483.5	-52.86	4.26	46.66	AV	54	Pass
Off	2495.704	-42.8	4.26	56.72	PEAK	74	Pass
Off	2484.664	-52.4	4.26	47.12	AV	54	Pass
Off	2500.0	-45.89	4.26	53.63	PEAK	74	Pass
Off	2500.0	-52.91	4.26	46.61	AV	54	Pass

## 10.2 Test Graphs

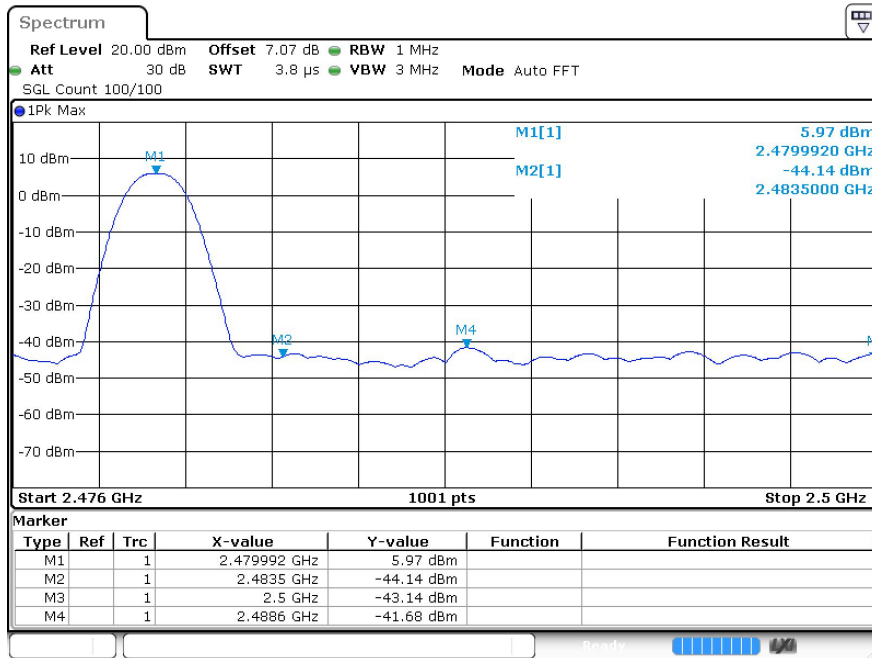
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



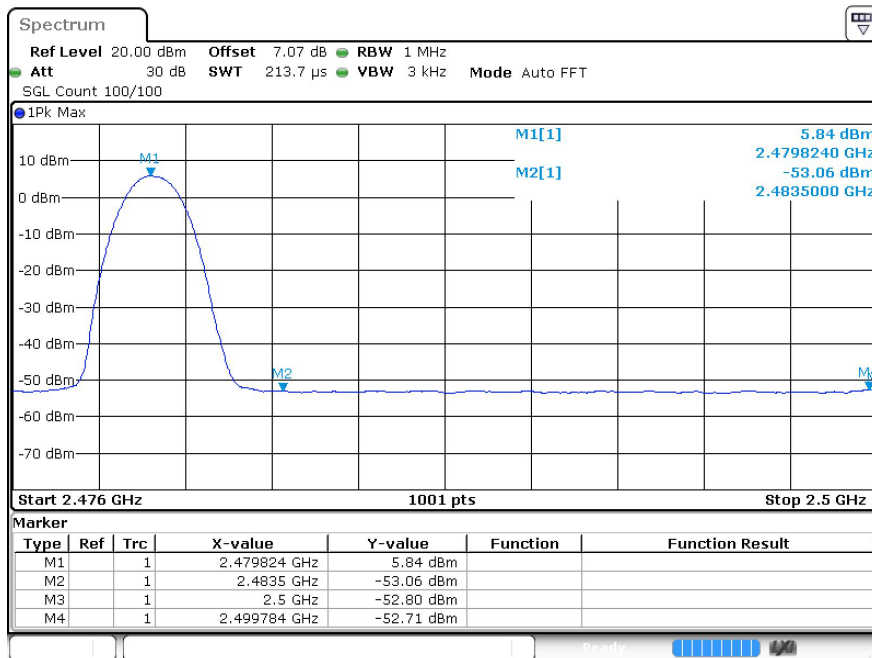
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



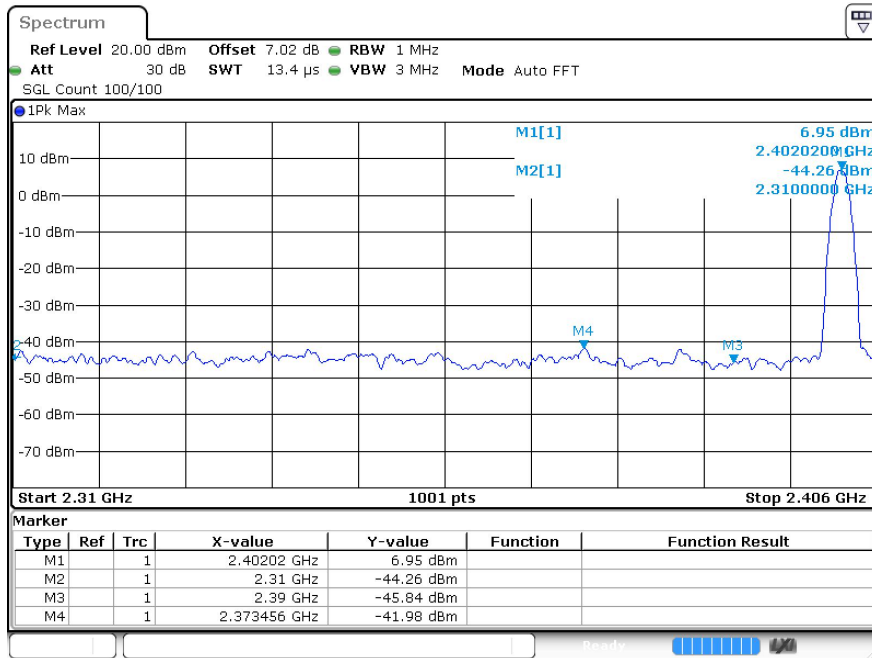
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



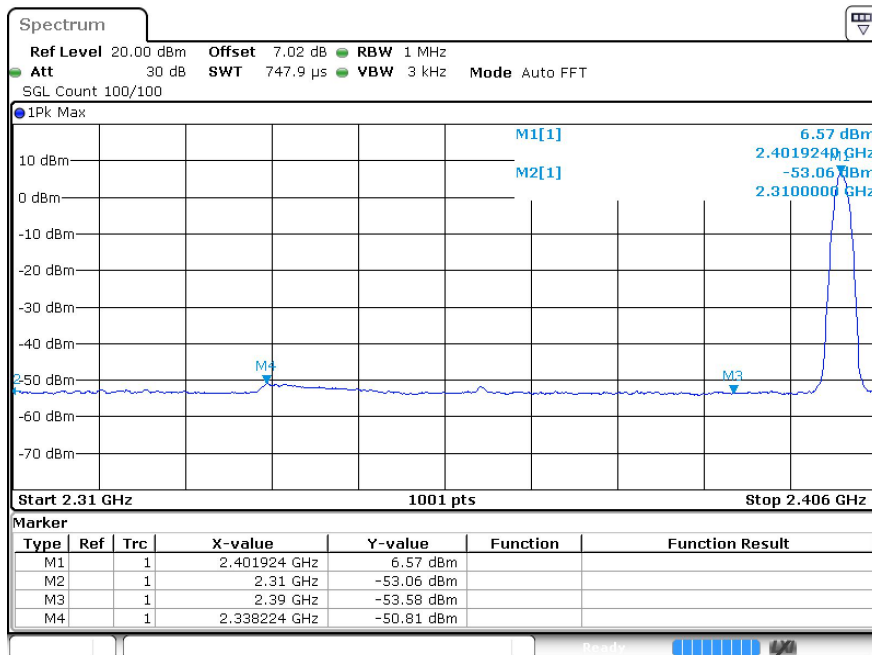
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



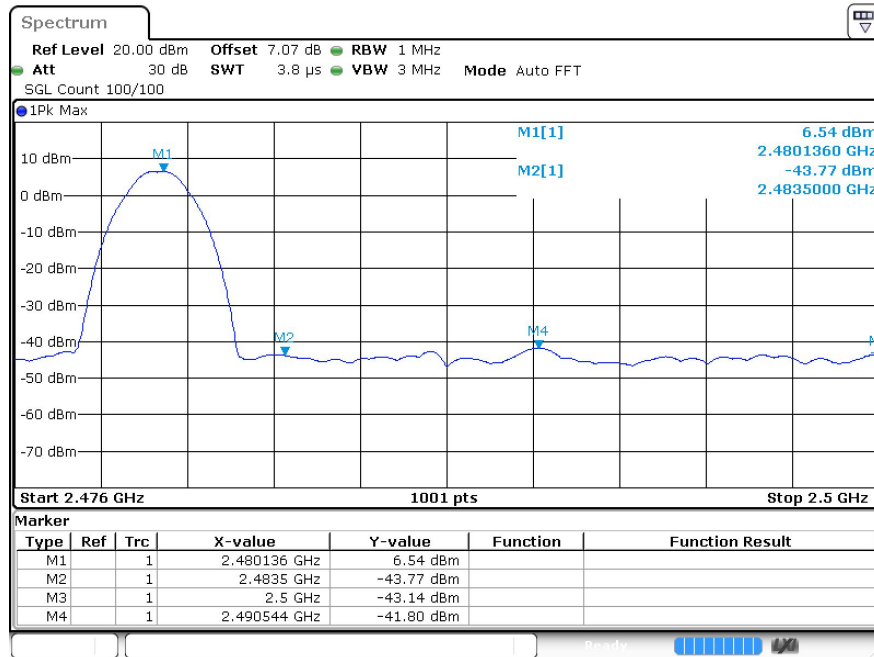
Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



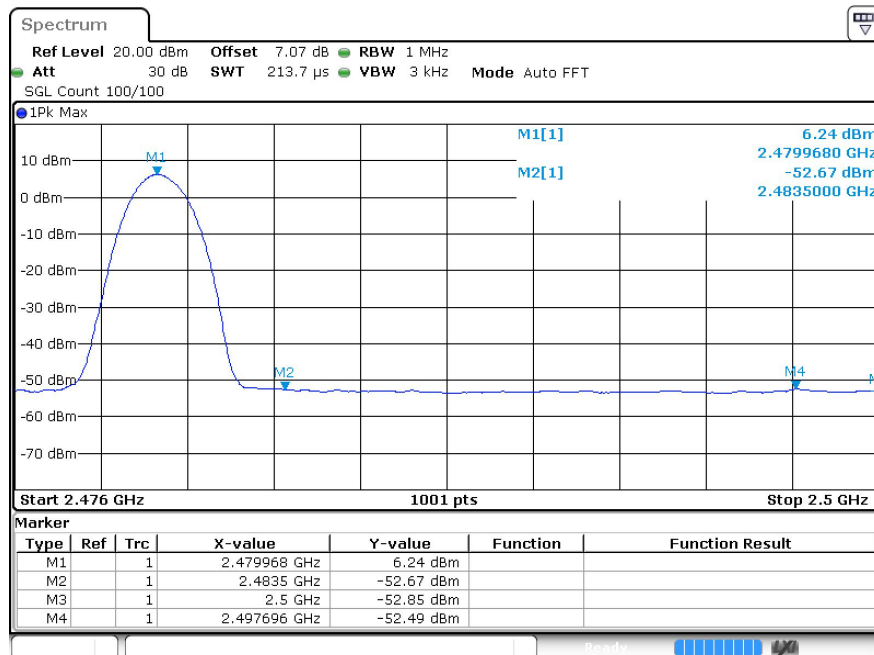
Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



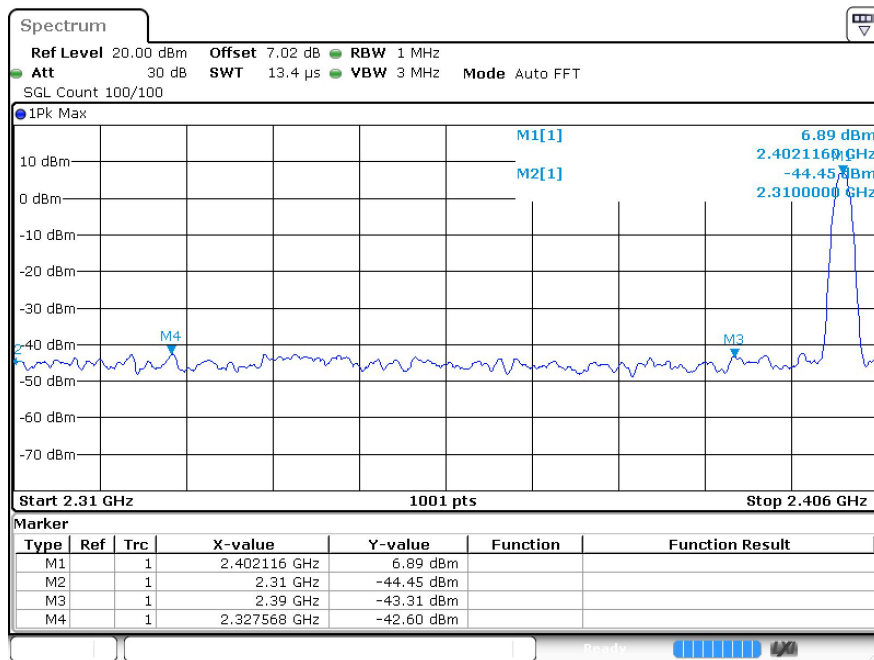
Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



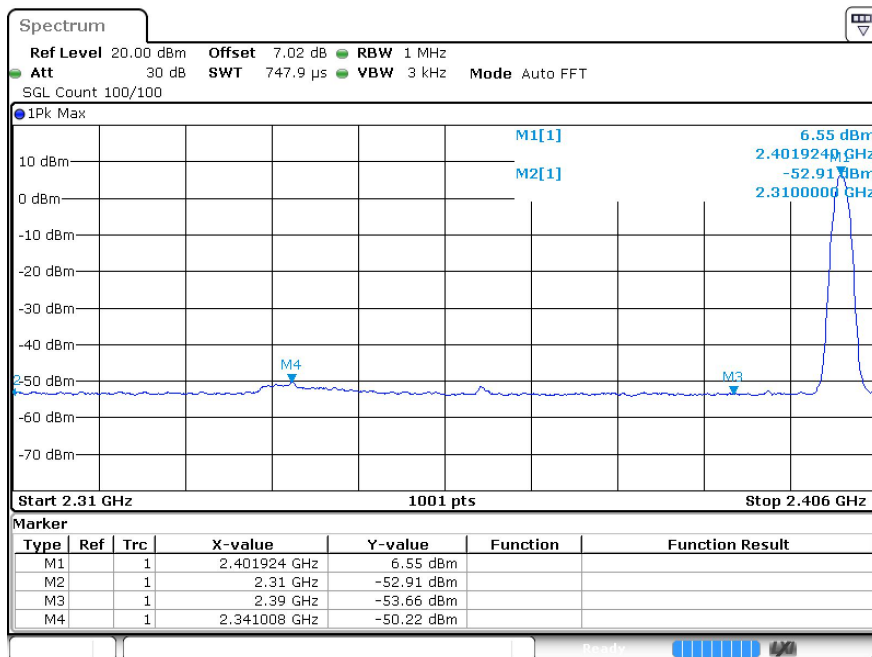
Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



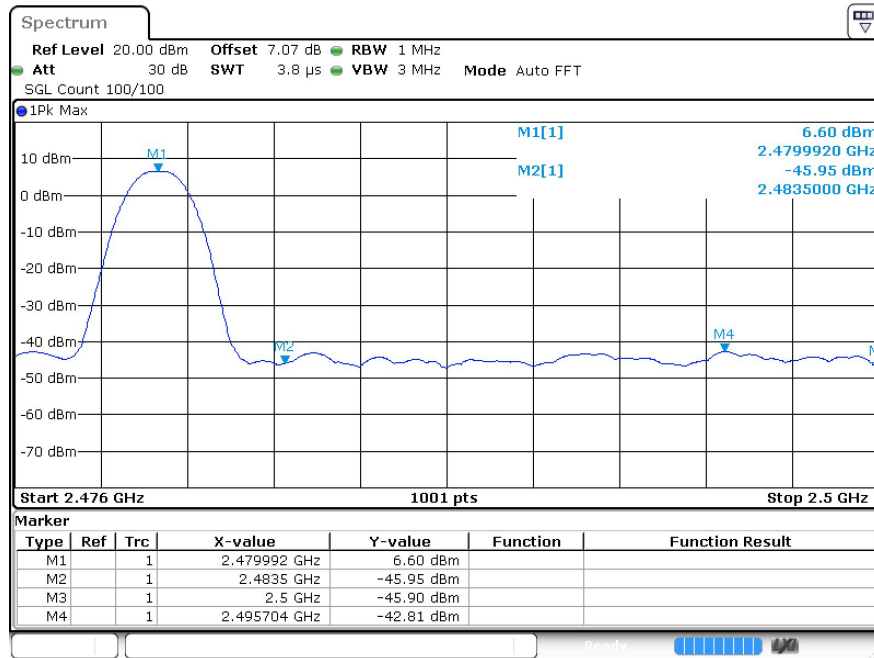
Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



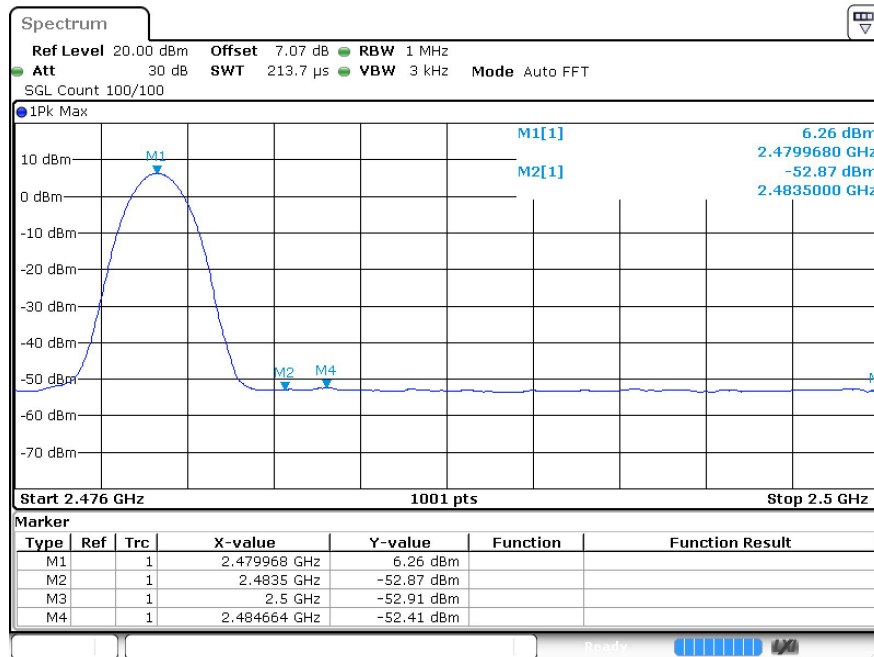
Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (High Channel)



Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (High Channel)



---The End---