



Appendix A

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

Product Name: Viewedge Tab 11

Trade Mark: N/A

Test Model: V11

Environmental Conditions

Temperature:	25.6° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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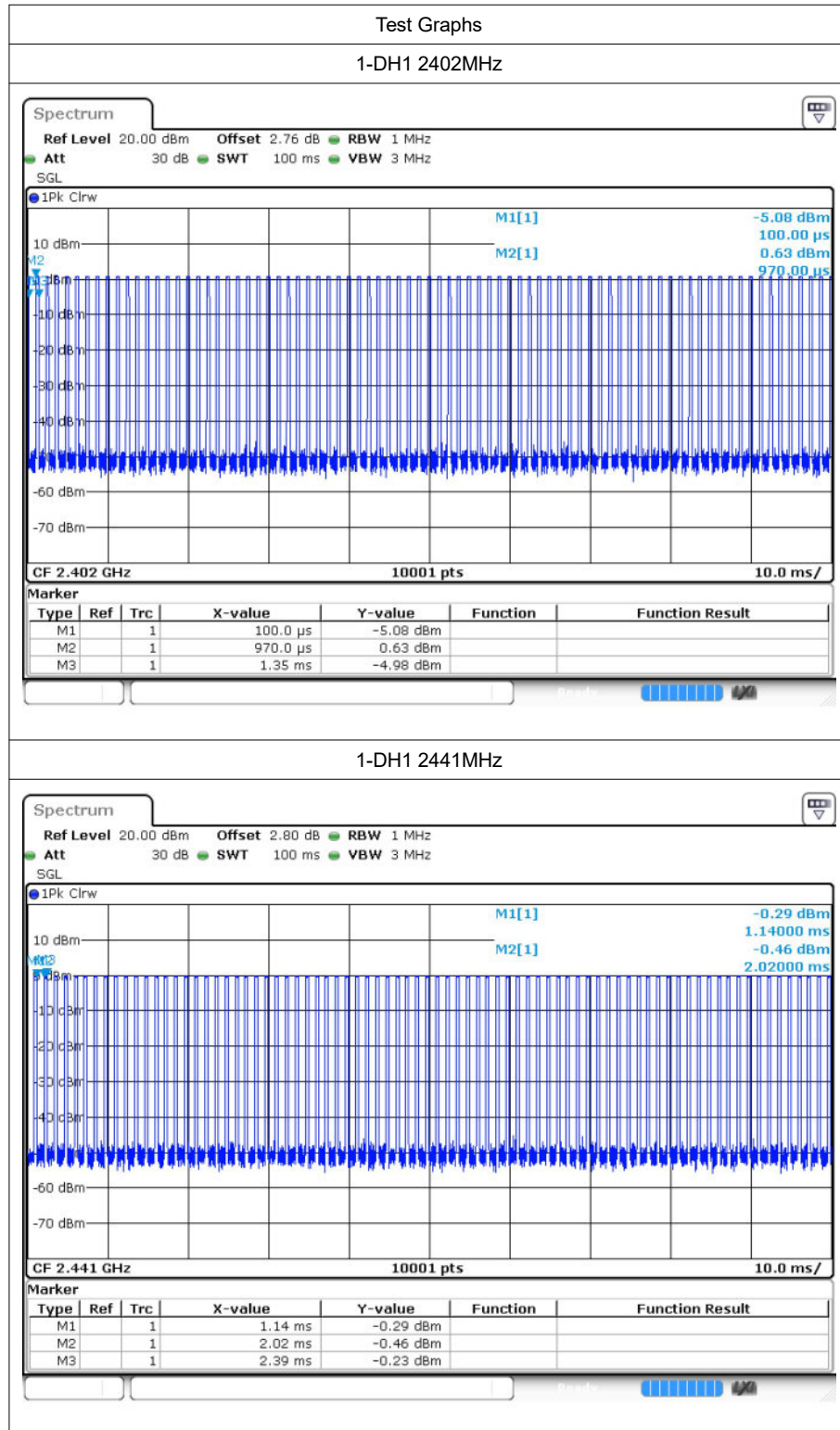
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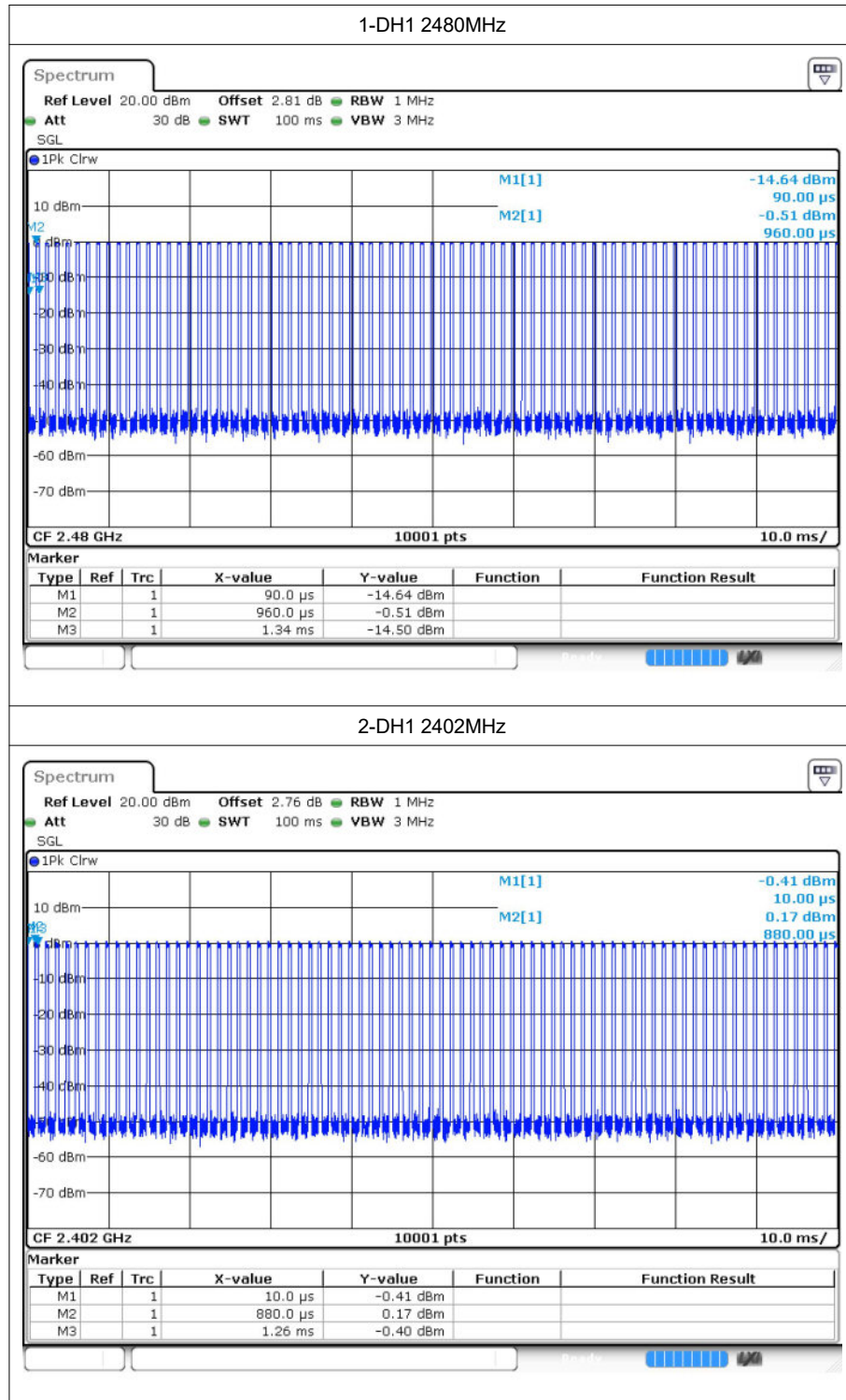
1 Duty Cycle

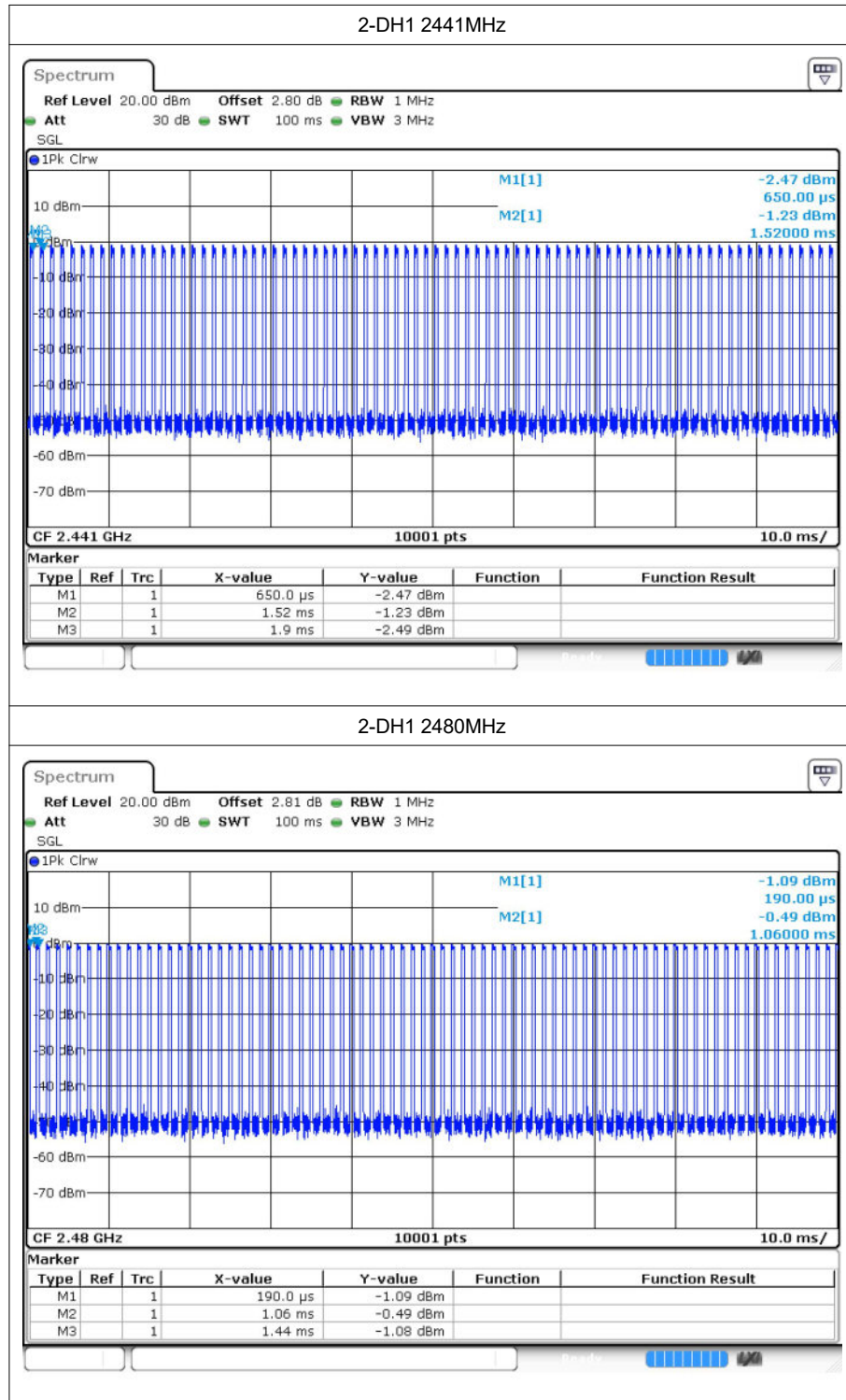
1.1 Test Result

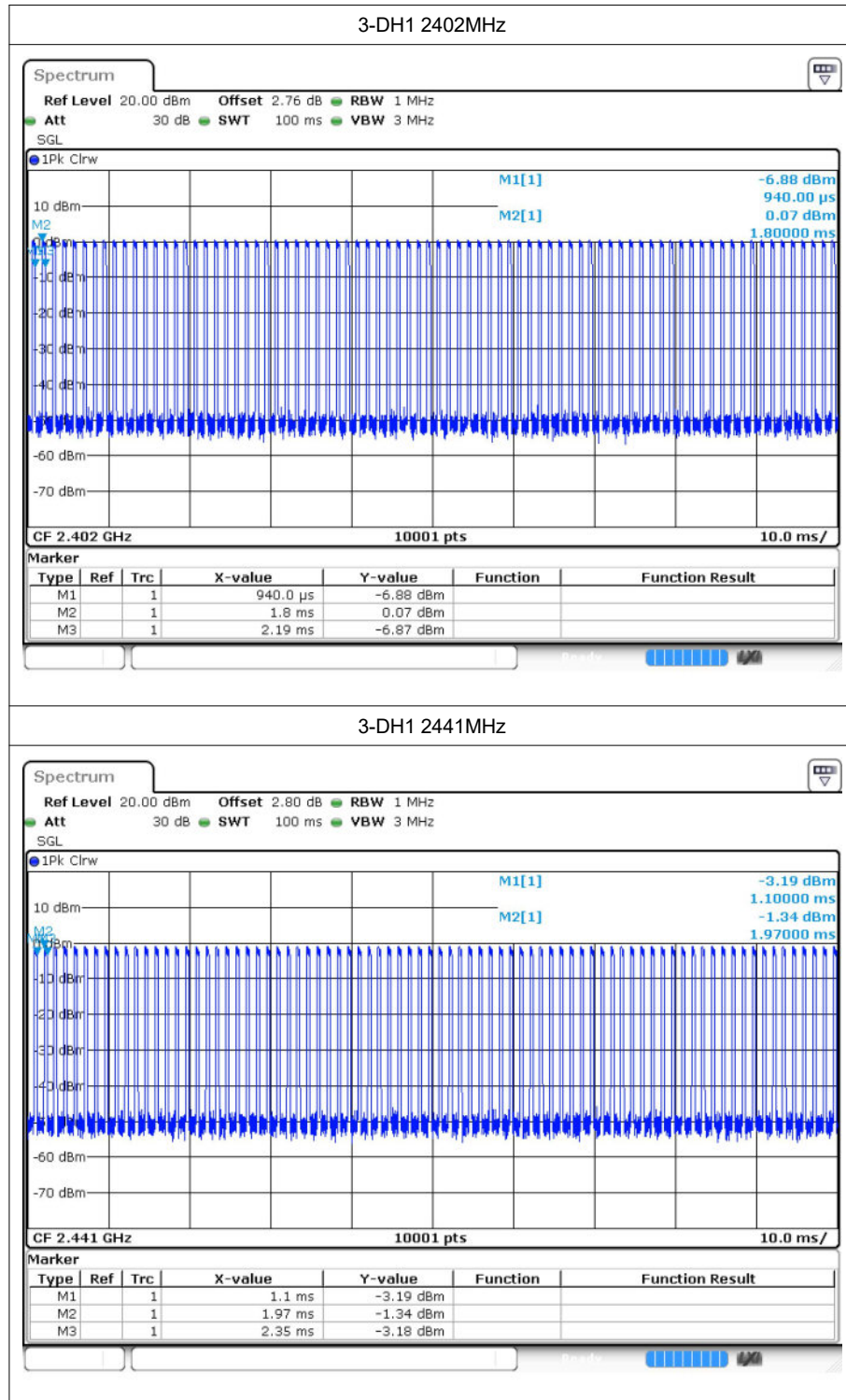
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
1-DH1	2402	31.21	5.06	2.63
1-DH1	2441	30.4	5.17	2.7
1-DH1	2480	31.21	5.06	2.63
2-DH1	2402	31.21	5.06	2.63
2-DH1	2441	31.2	5.06	2.63
2-DH1	2480	31.21	5.06	2.63
3-DH1	2402	32	4.95	2.56
3-DH1	2441	31.2	5.06	2.63
3-DH1	2480	31.2	5.06	2.63

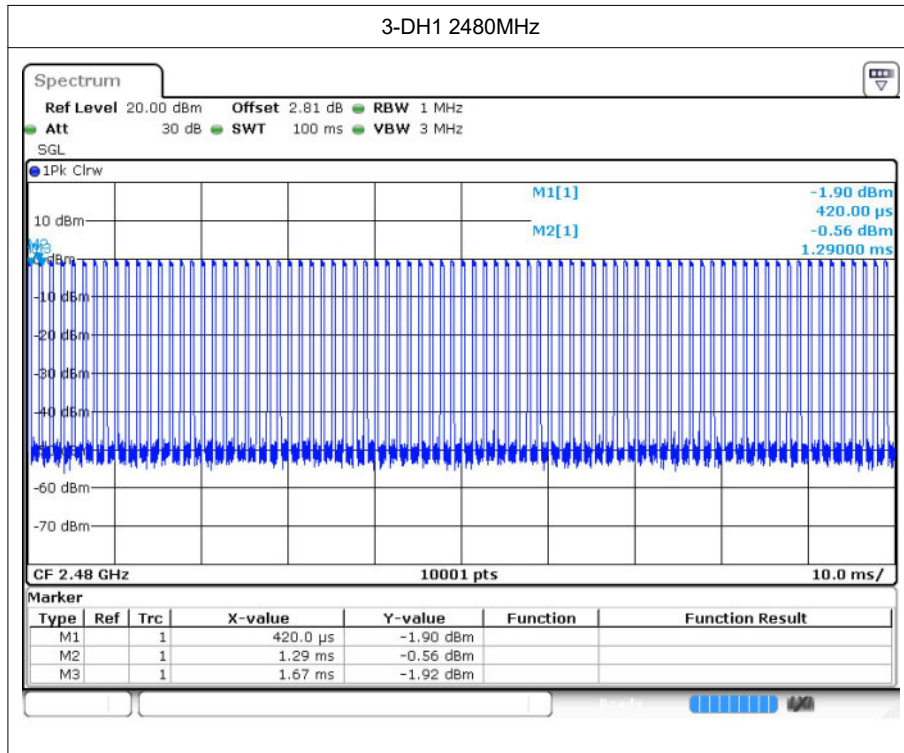
1.2 Test Graphs









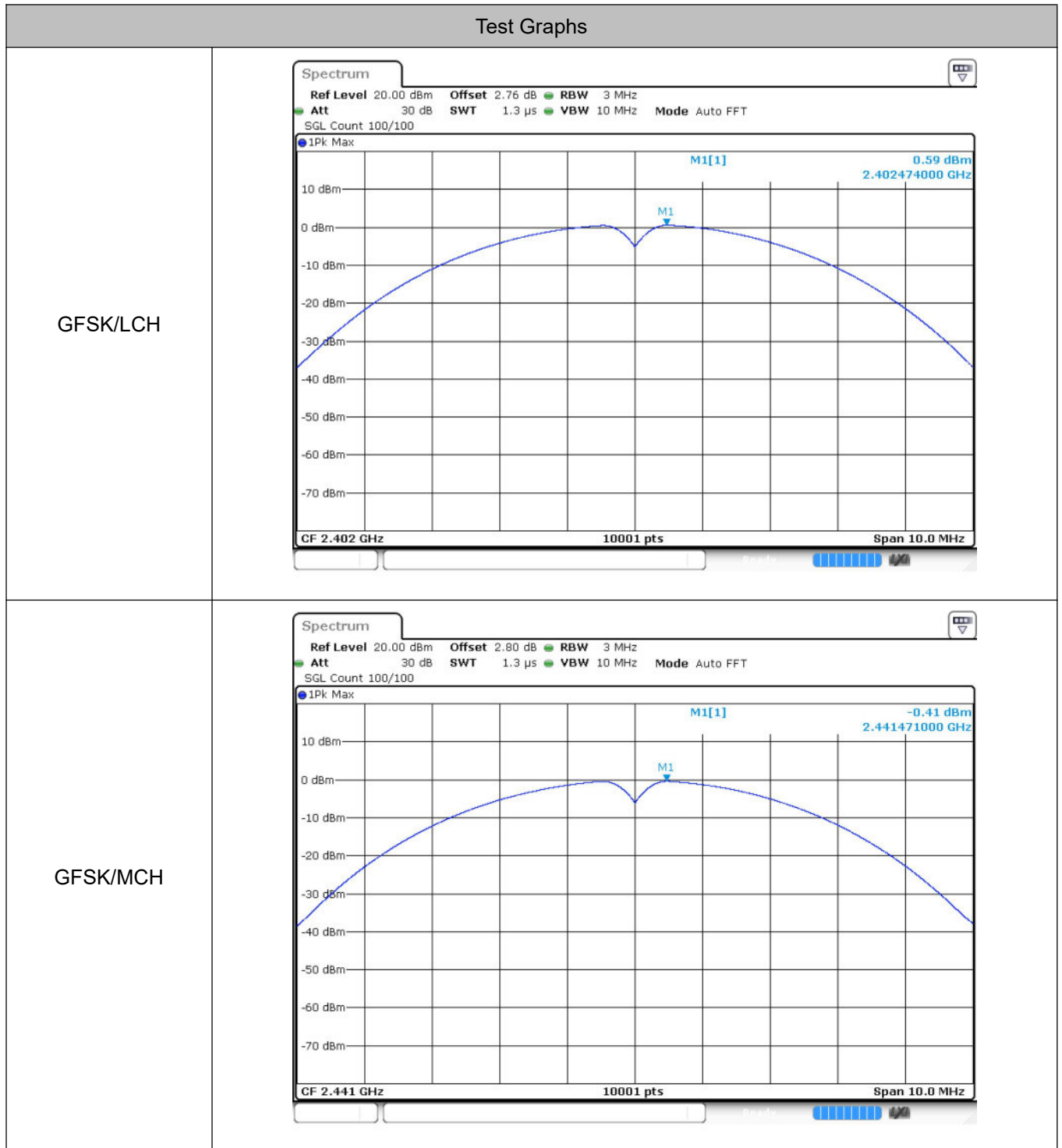


2 Maximum Conducted Peak Output Power

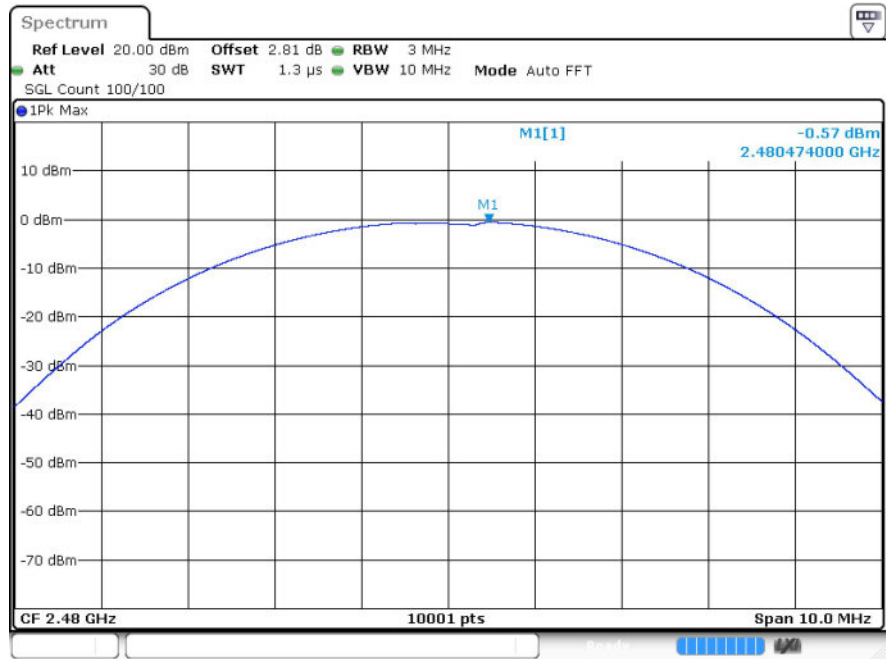
2.1 Test Result

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.59	21	Pass
	MCH	-0.41	21	Pass
	HCH	-0.57	21	Pass
$\pi/4$ DQPSK	LCH	0.28	21	Pass
	MCH	-0.99	21	Pass
	HCH	-0.46	21	Pass
8DPSK	LCH	0.05	21	Pass
	MCH	-1.04	21	Pass
	HCH	-0.57	21	Pass

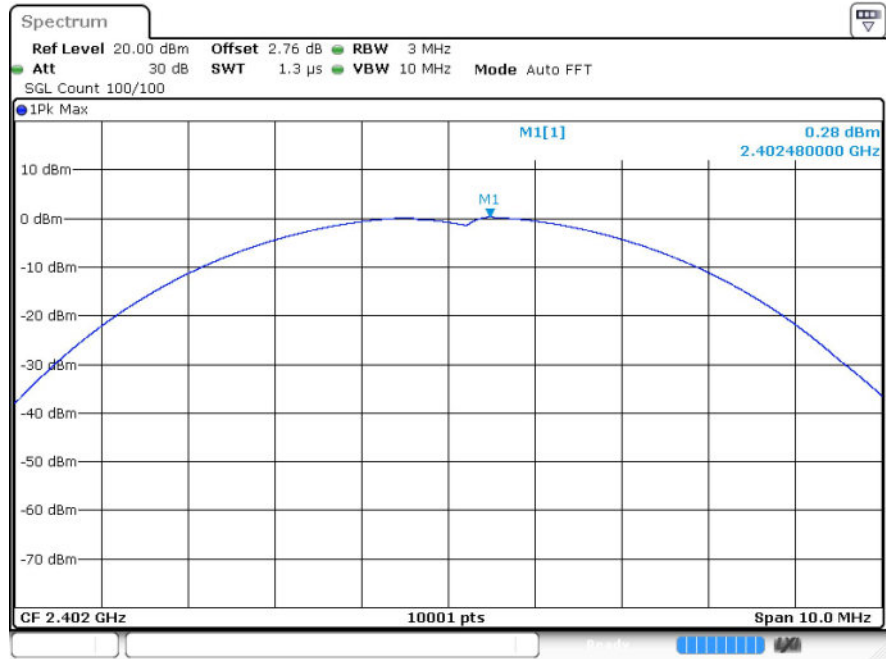
2.2 Test Graphs



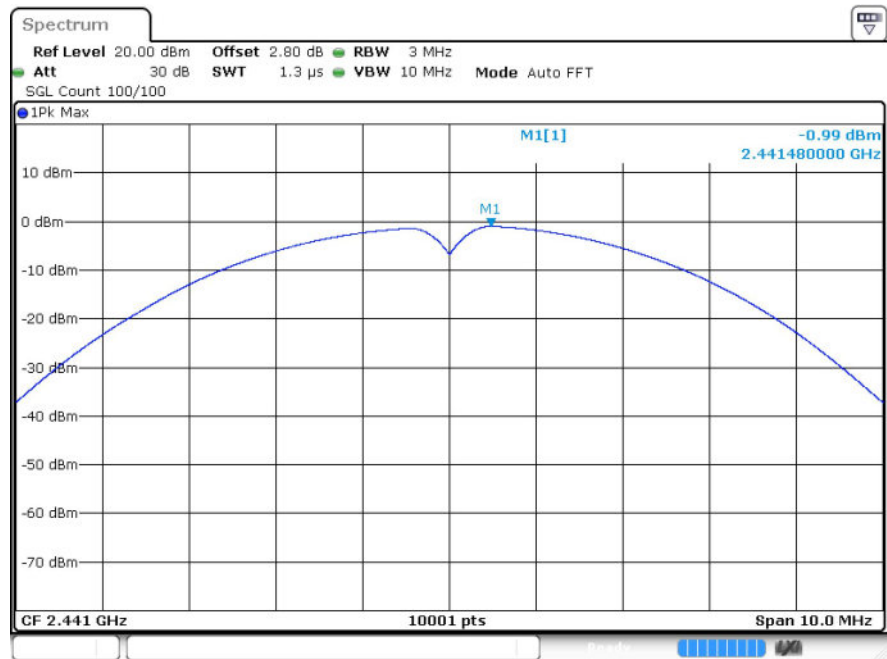
GFSK/HCH



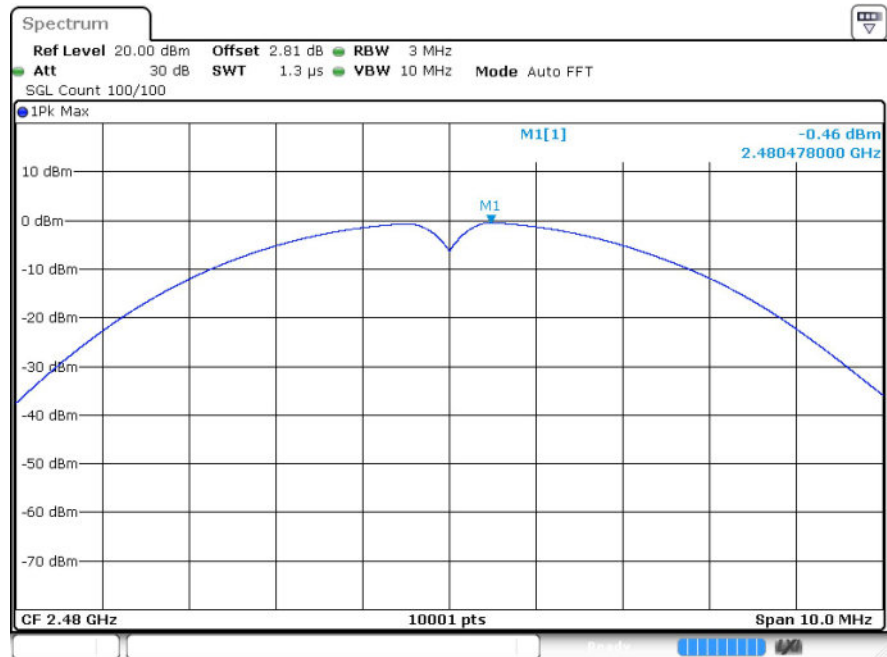
$\pi/4$ DQPSK/LCH



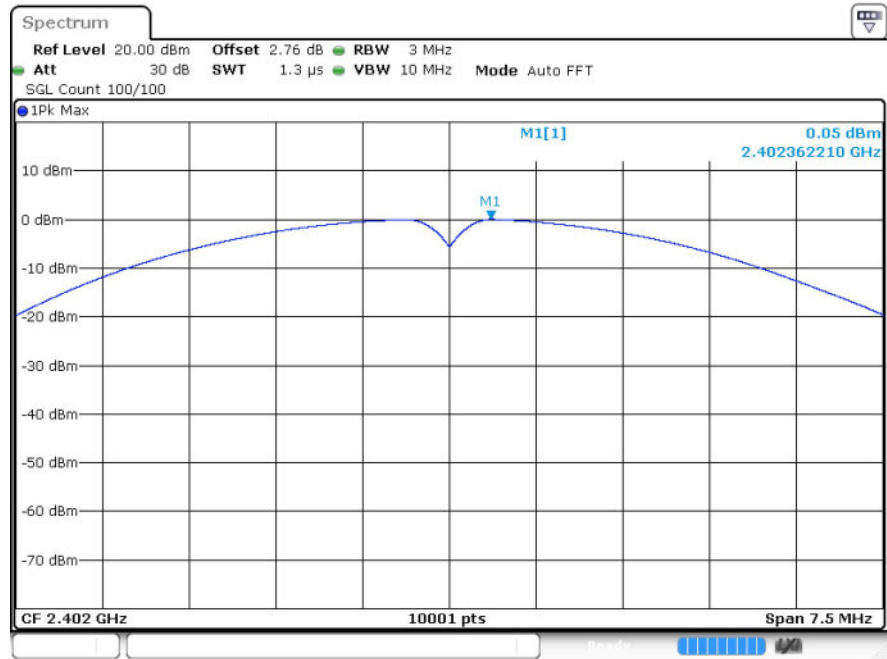
$\pi/4$ DQPSK/MCH



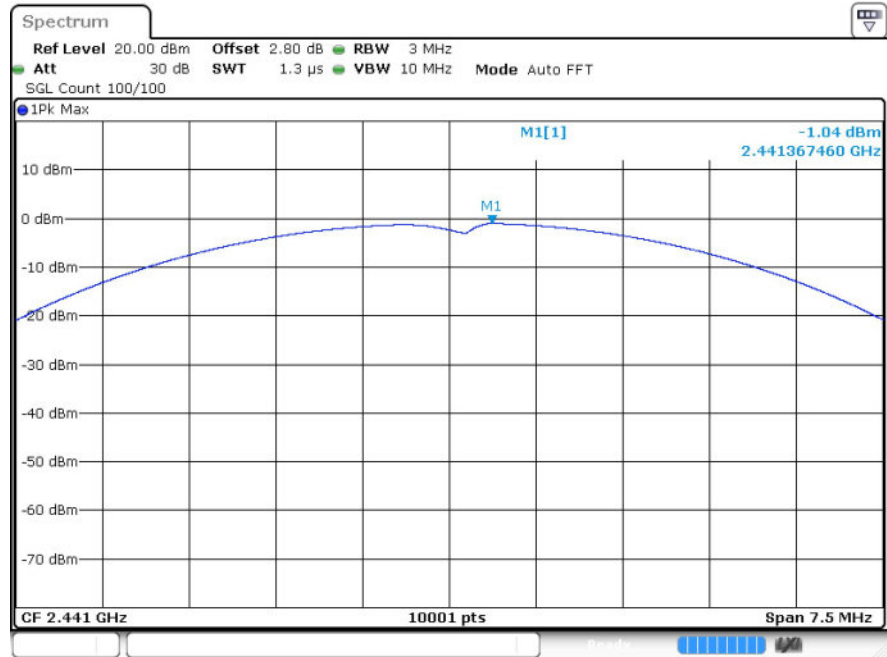
$\pi/4$ DQPSK/HCH



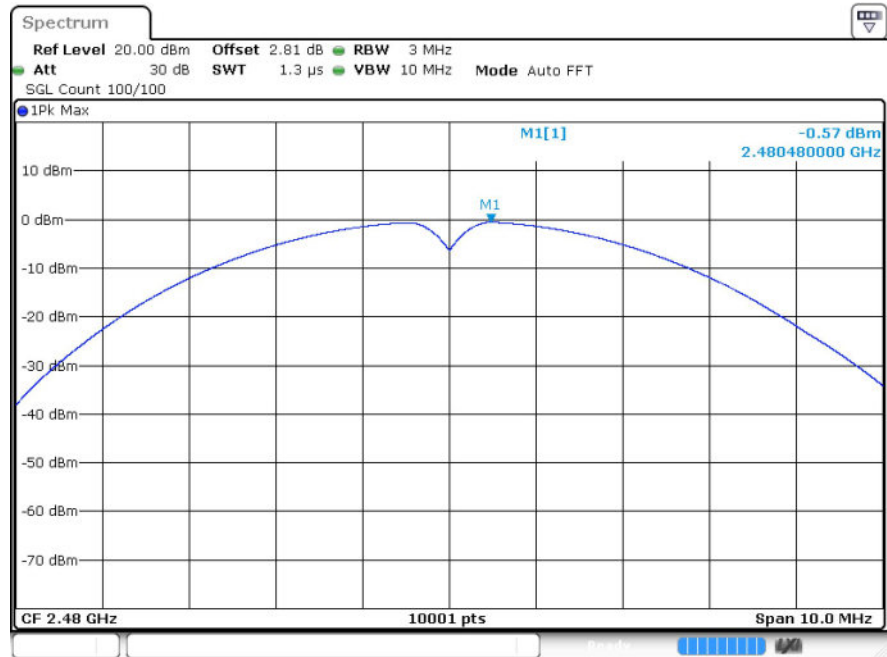
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

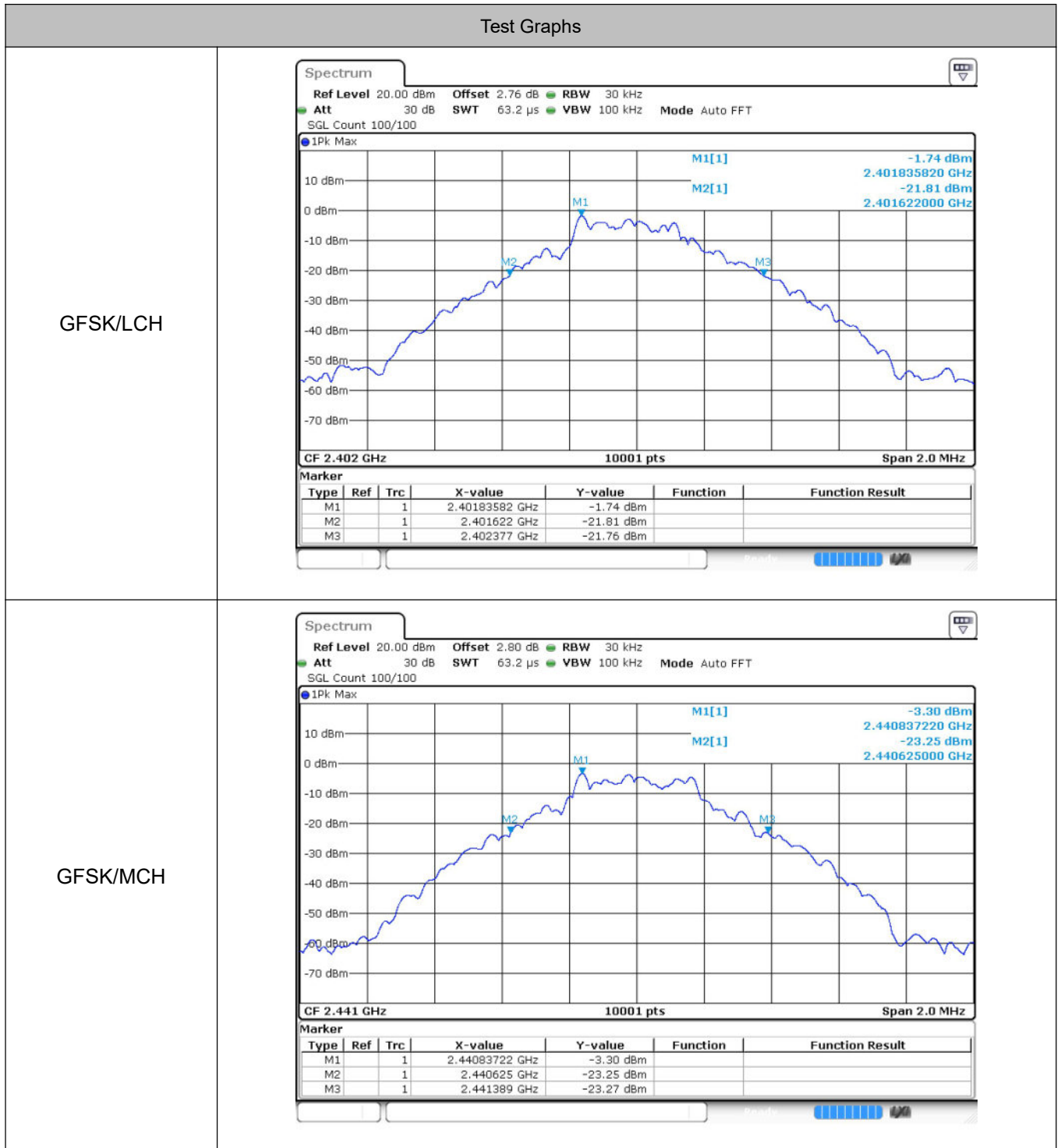


3 20dB Bandwidth

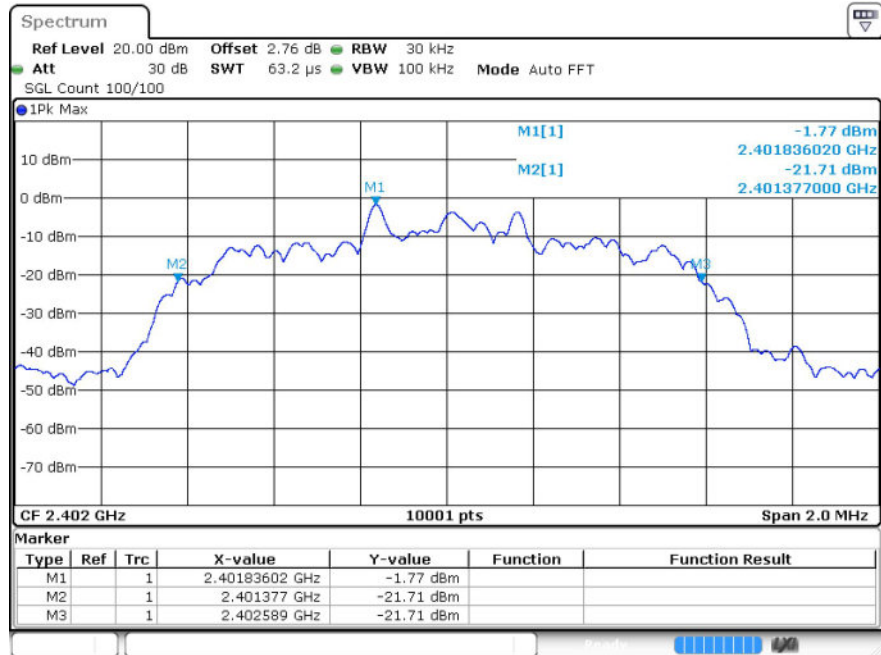
3.1 Test Result

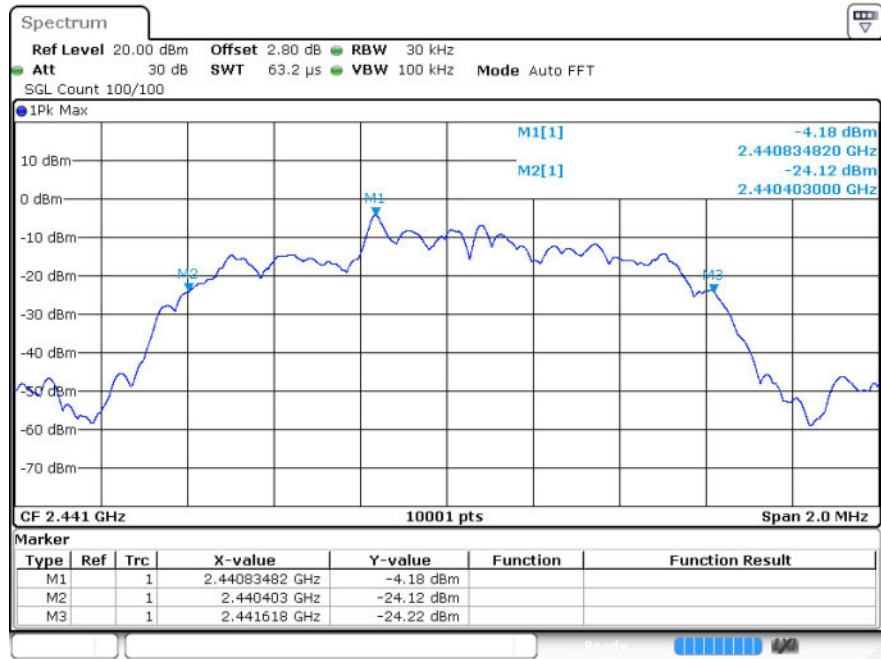
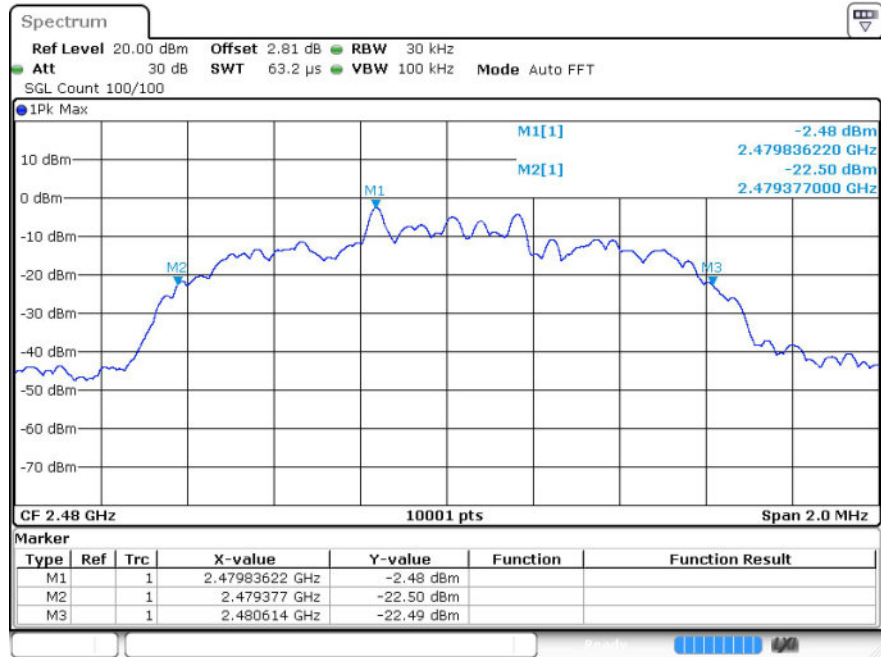
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.754	Not Specified	Pass
	MCH	0.765	Not Specified	Pass
	HCH	0.814	Not Specified	Pass
$\pi/4$ DQPSK	LCH	1.213	Not Specified	Pass
	MCH	1.215	Not Specified	Pass
	HCH	1.237	Not Specified	Pass
8DPSK	LCH	1.217	Not Specified	Pass
	MCH	1.21	Not Specified	Pass
	HCH	1.221	Not Specified	Pass

3.2 Test Graphs

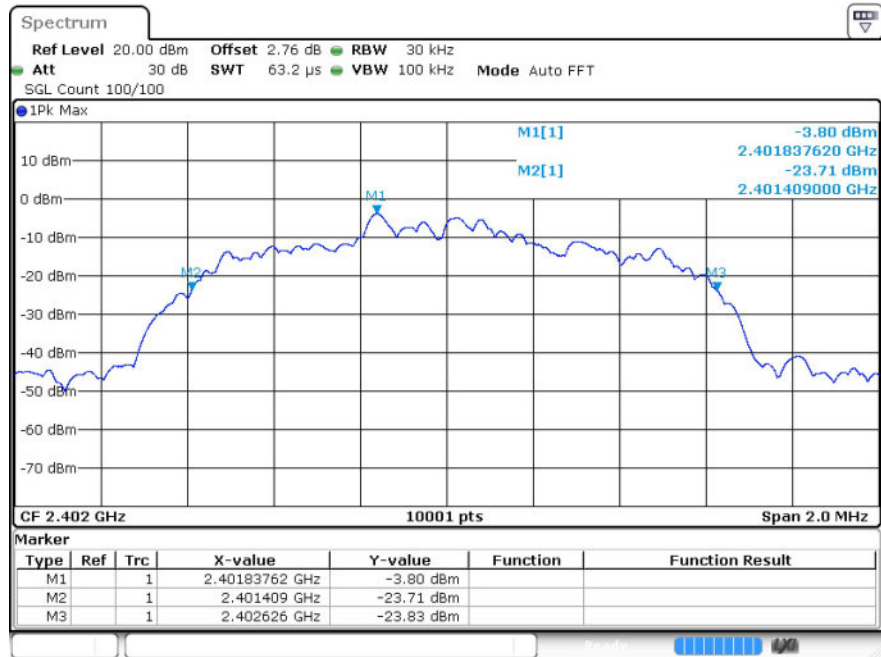


GFSK/HCH

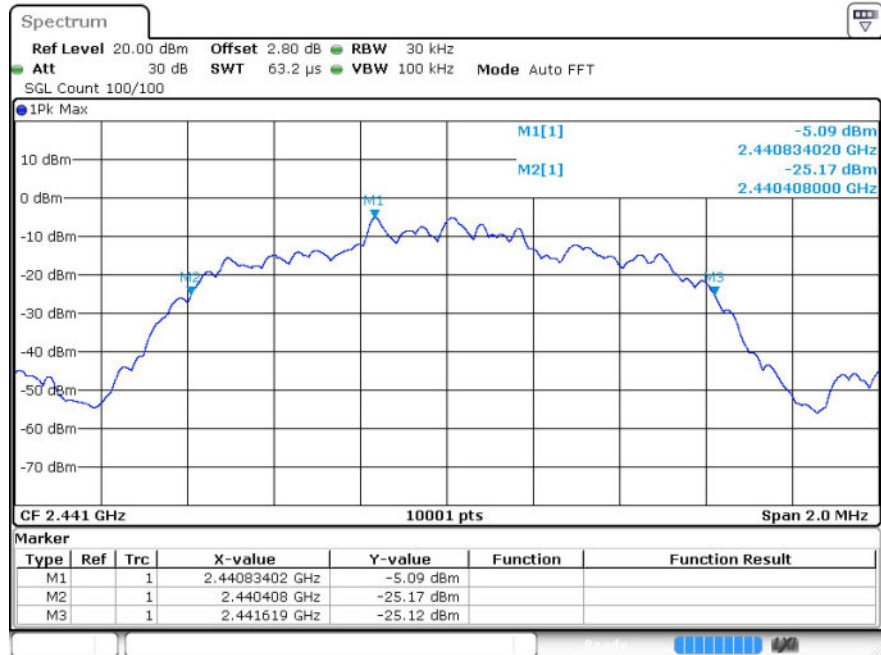

 $\pi/4$ DQPSK/LCH


$\pi/4$ DQPSK/MCH

 $\pi/4$ DQPSK/HCH


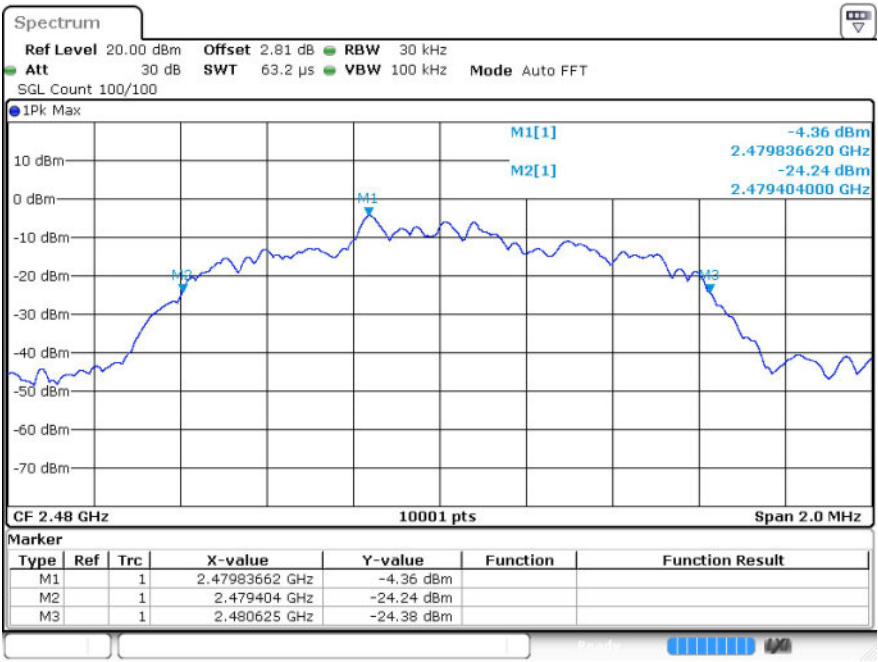
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

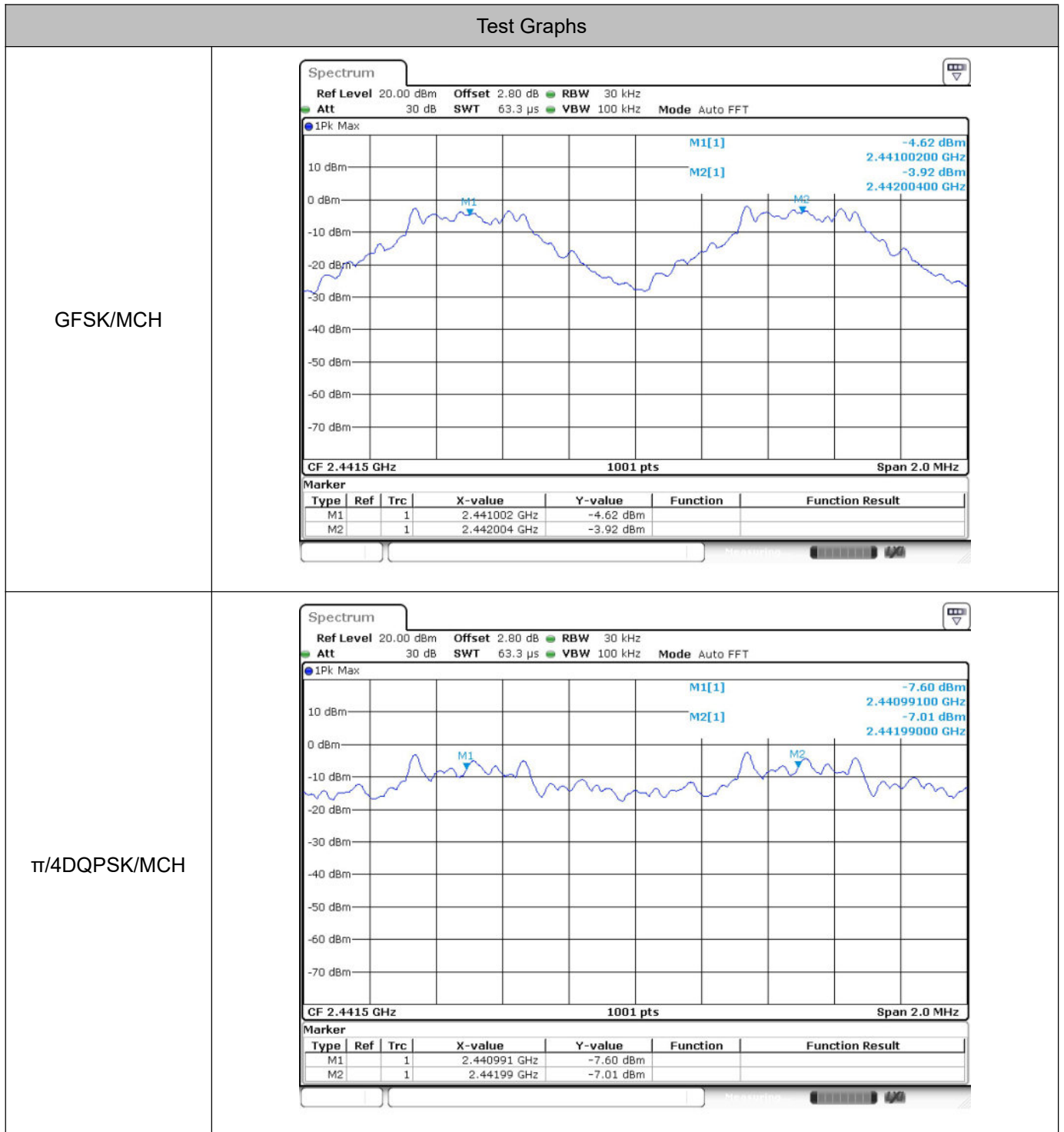


4 Carrier Frequency Separation

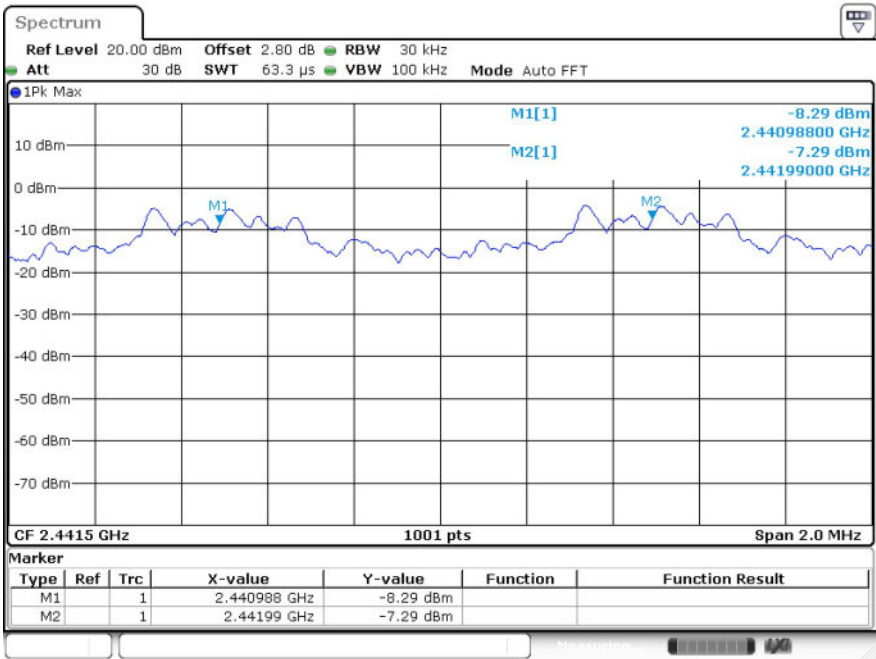
4.1 Test Result

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	MCH	1.002	0.51	Pass
$\pi/4$ DQPSK	MCH	0.999	0.81	Pass
8DPSK	MCH	1.002	0.807	Pass

4.2 Test Graphs



8DPSK/MCH

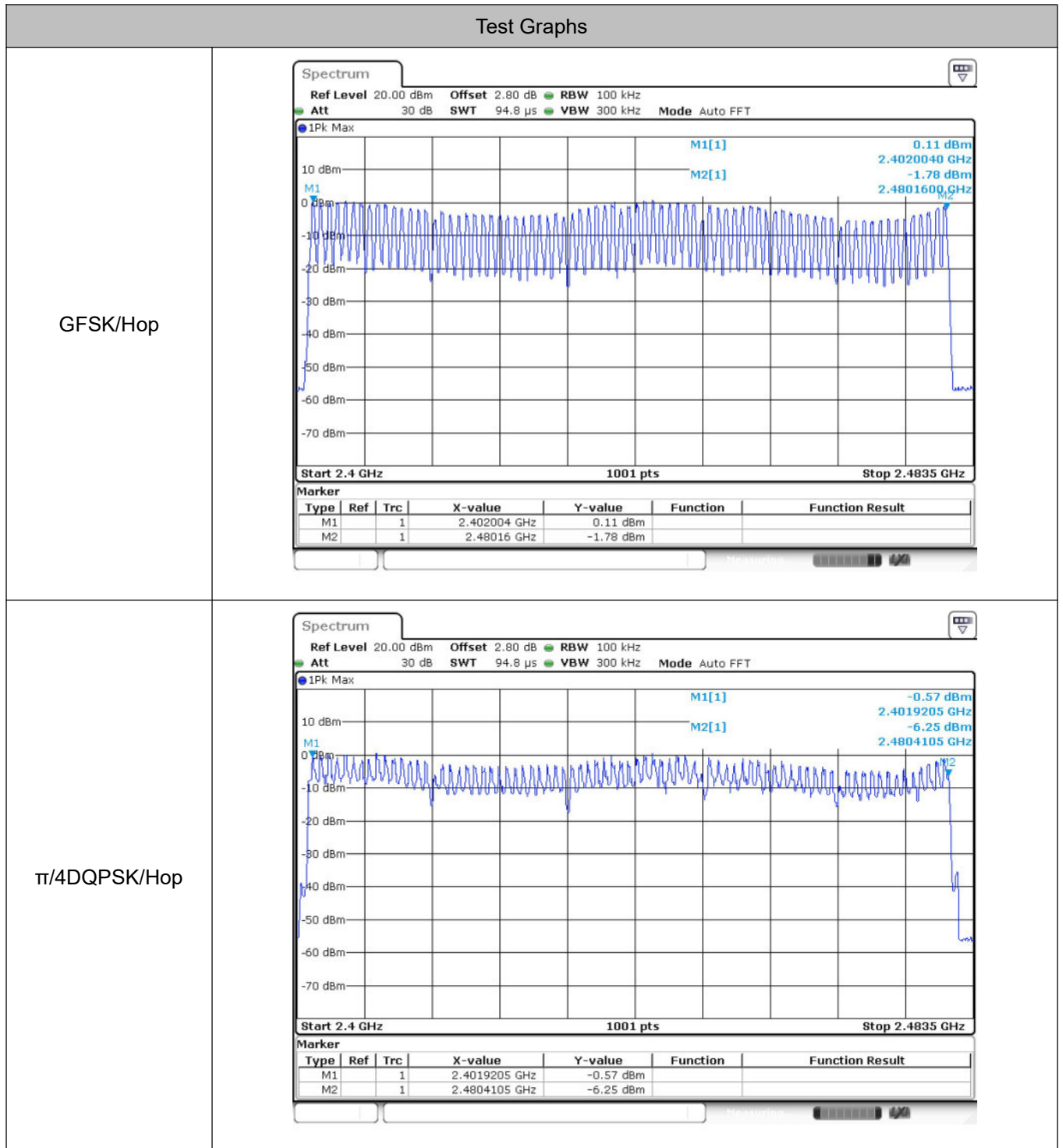


5 Hopping Channel Number

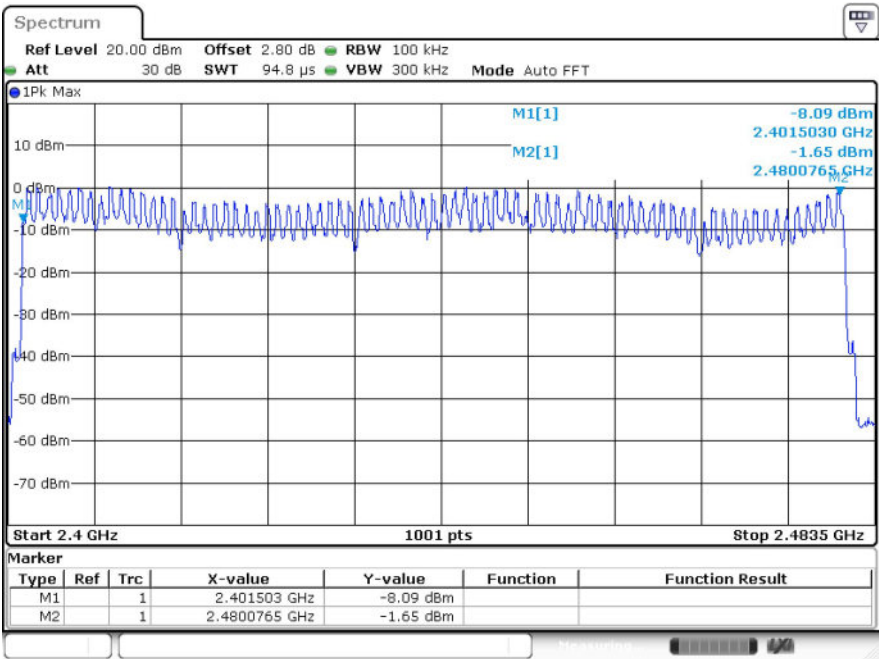
5.1 Test Result

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



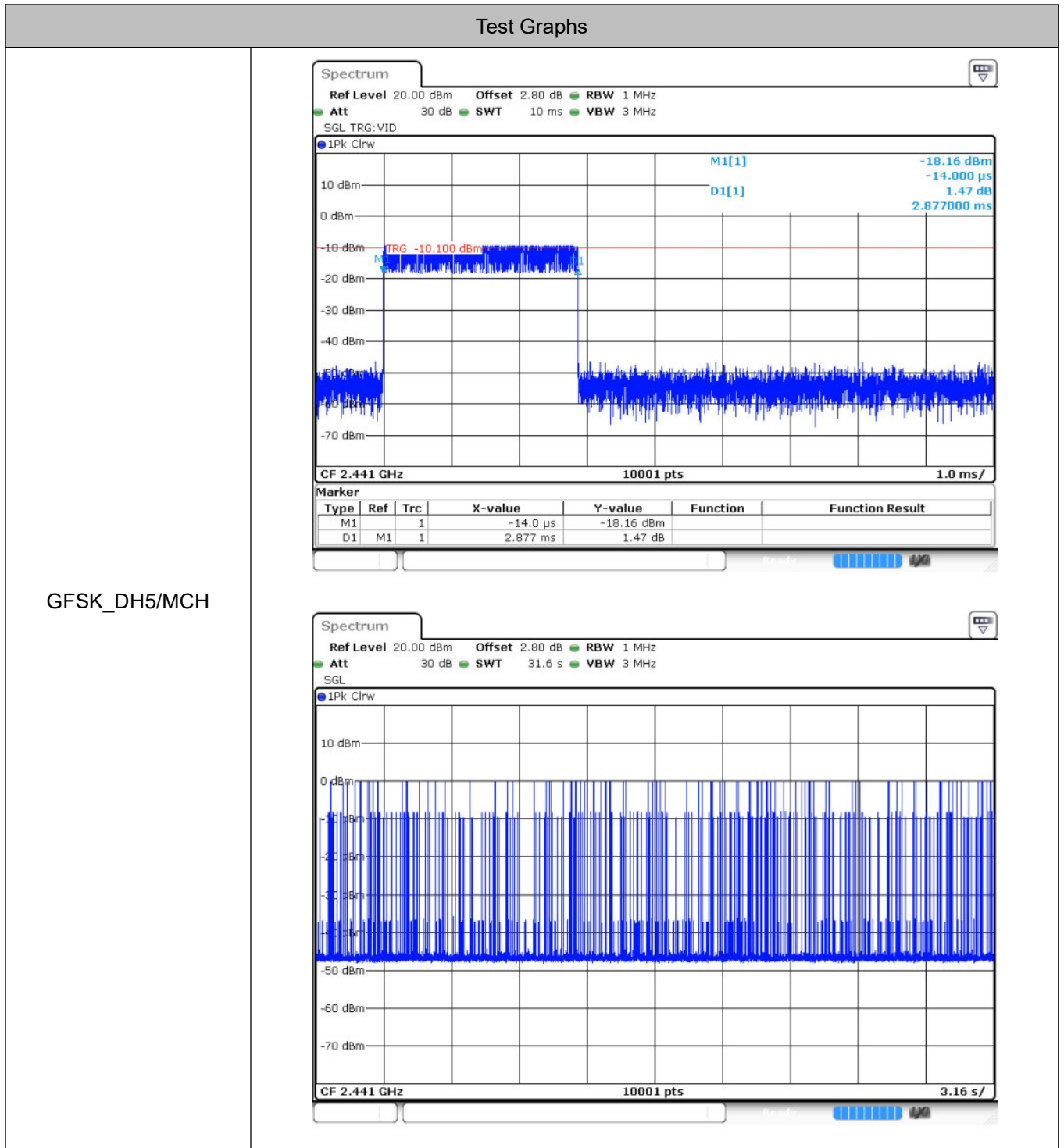


6 Dwell Time

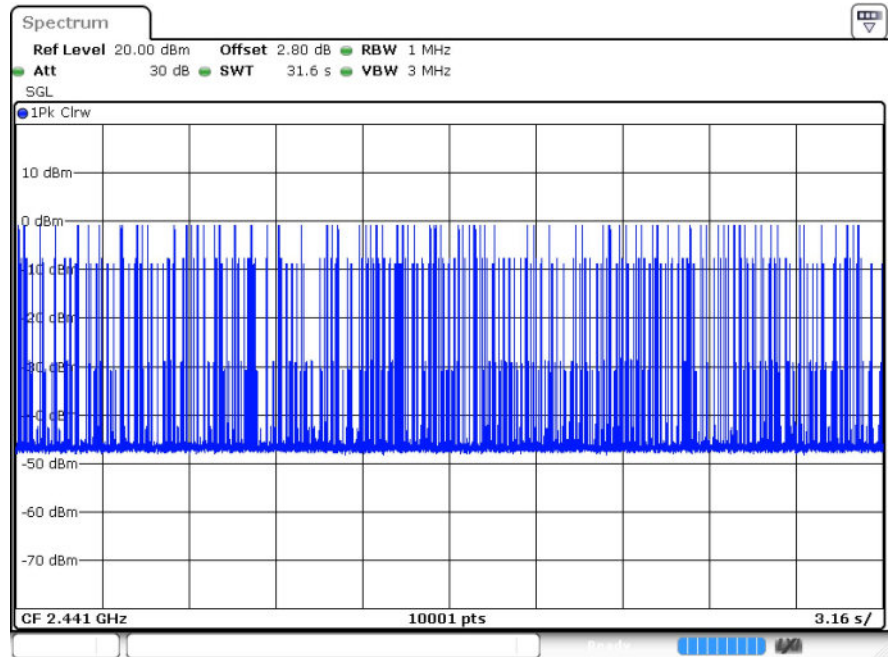
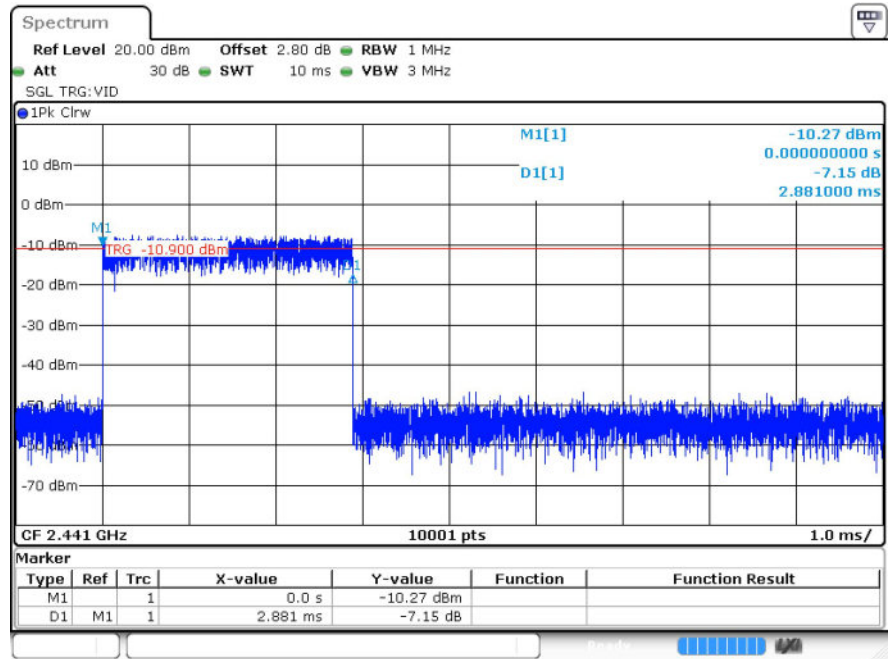
6.1 Test Result

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[ms]	Limit [s]	Verdict
GFSK	DH5	MCH	2.877	100	287.7	0.4	Pass
$\pi/4$ DQPSK	2DH5	MCH	2.881	104	299.624	0.4	Pass
8DPSK	3DH5	MCH	2.885	104	300.04	0.4	Pass

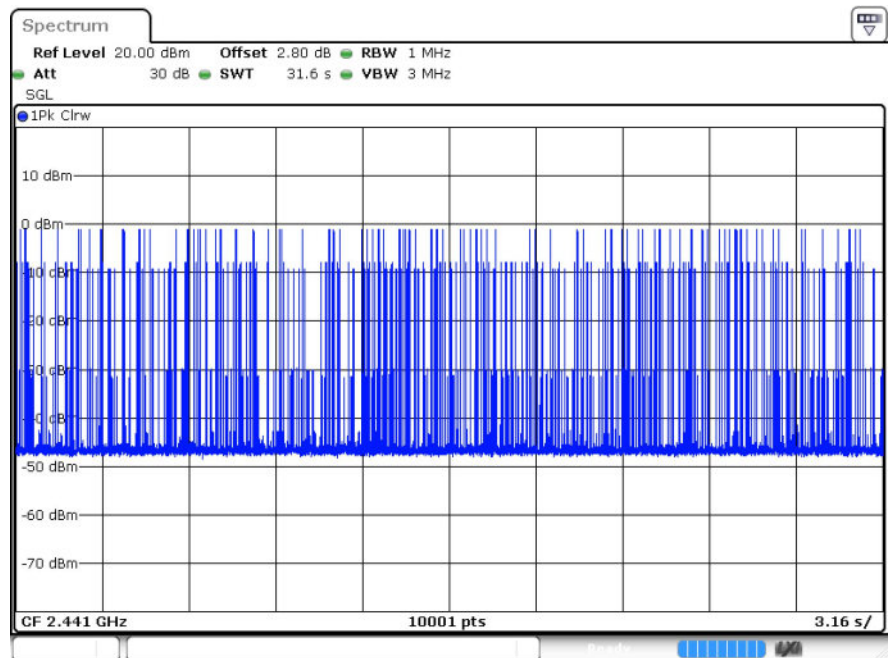
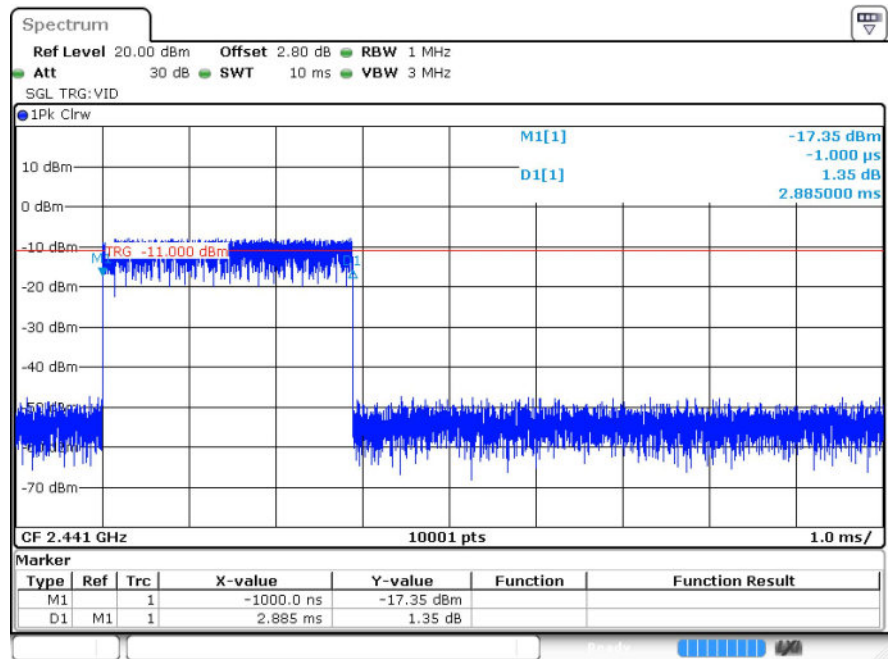
6.2 Test Graphs



$\pi/4$ DQPSK
_2DH5/MCH



8DPSK_3DH5/MCH



7 RF Conducted Spurious Emissions

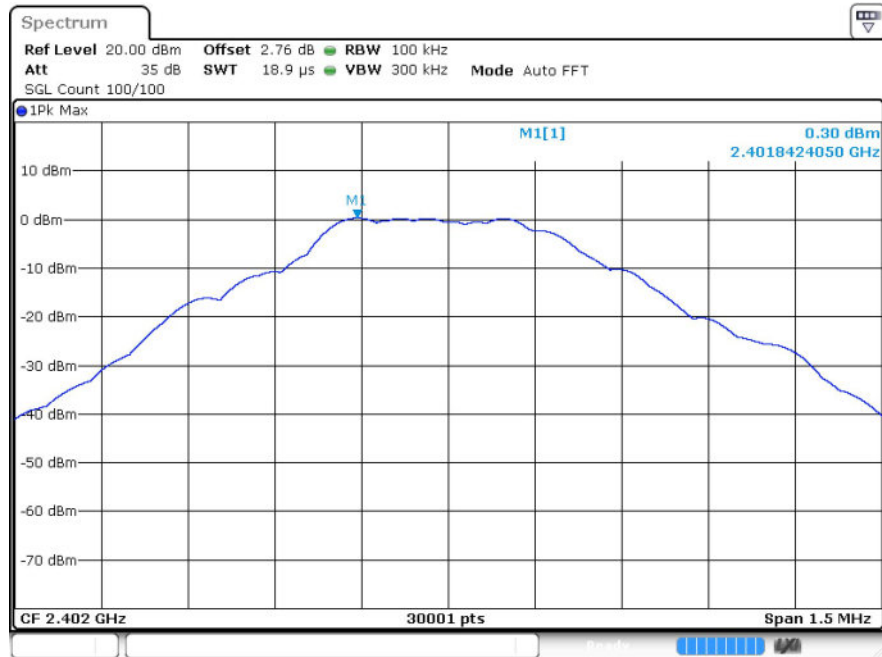
7.1 Test Result

Mode	Channel	Max. Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	-41.37	-20	Pass
	MCH	-41	-20	Pass
	HCH	-41.41	-20	Pass
π /4DQPSK	LCH	-41.52	-20	Pass
	MCH	-40.13	-20	Pass
	HCH	-40.57	-20	Pass
8DPSK	LCH	-41.52	-20	Pass
	MCH	-40.35	-20	Pass
	HCH	-39.52	-20	Pass

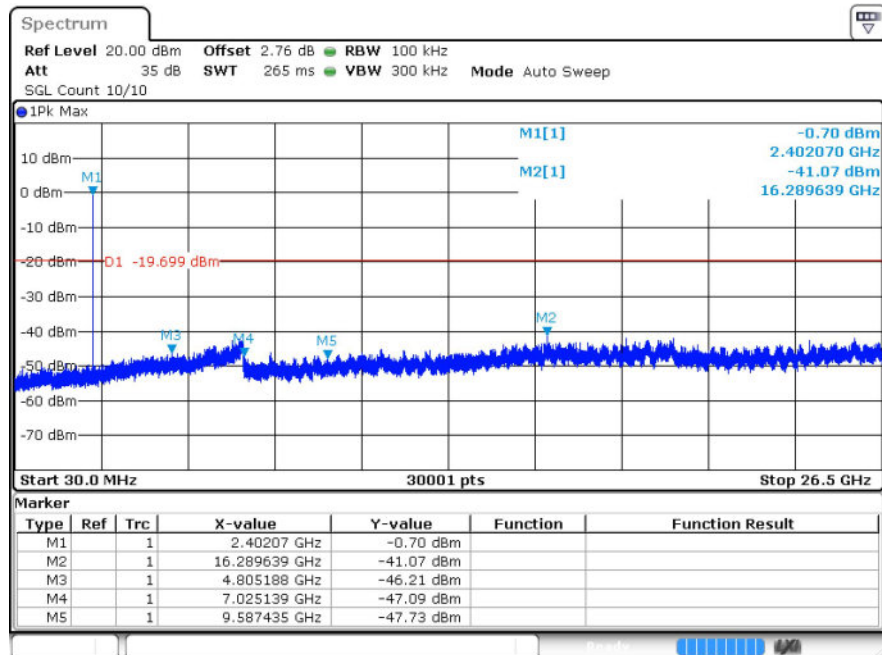
7.2 Test Graphs

GFSK_LCH_Graphs

Pref

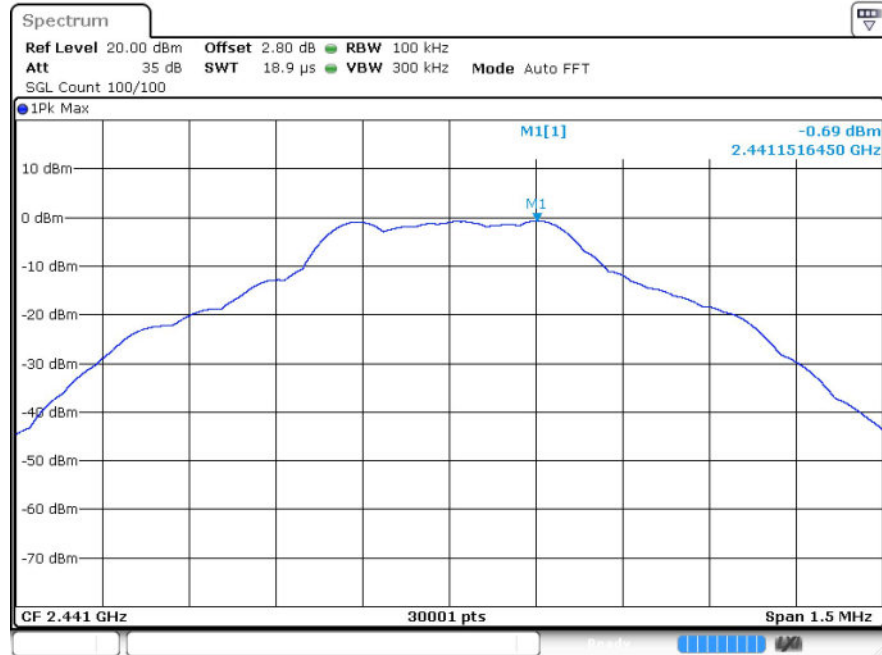


Puw

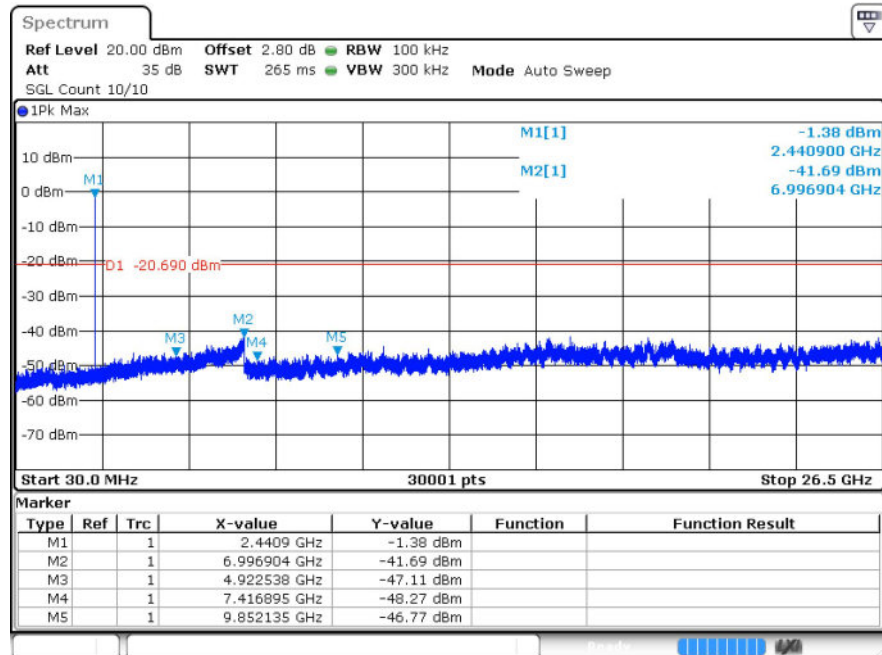


GFSK_MCH_Graphs

Pref

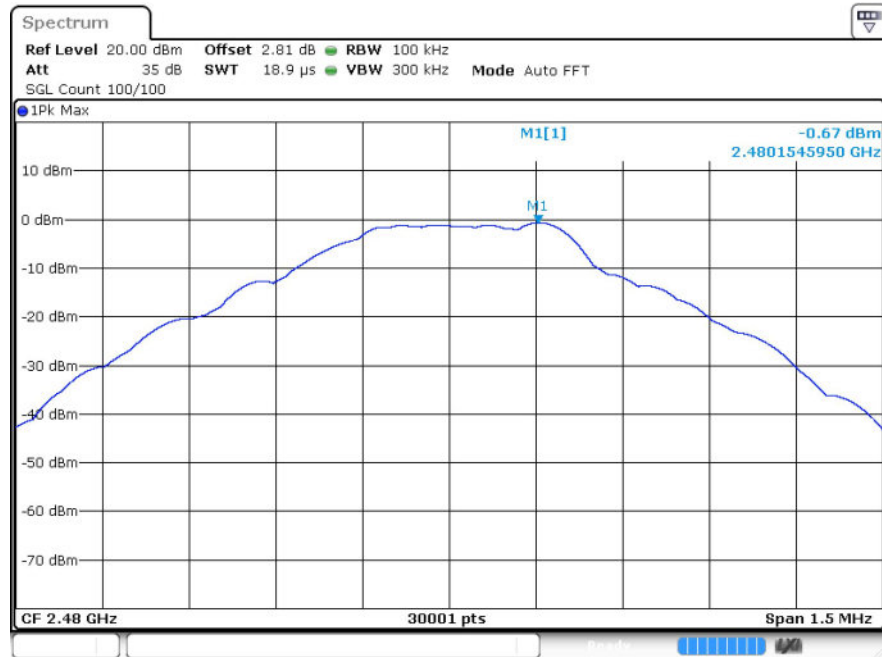


Puw

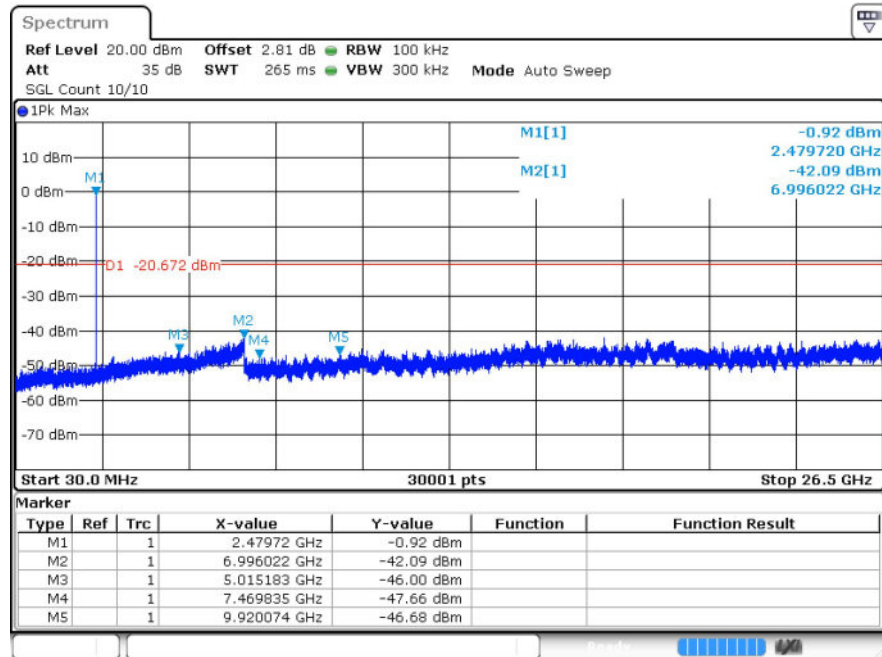


GFSK_HCH_Graphs

Pref

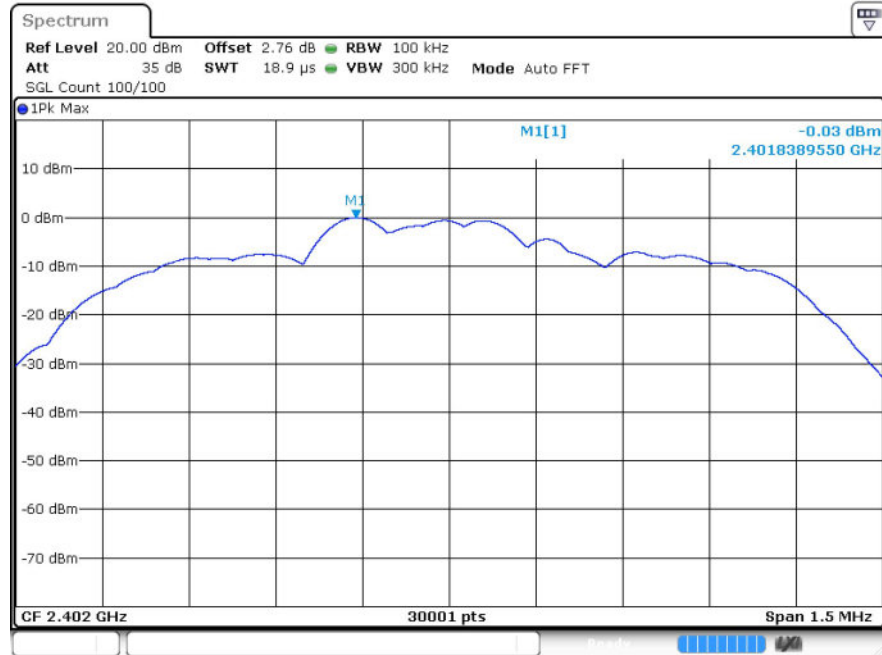


Puw

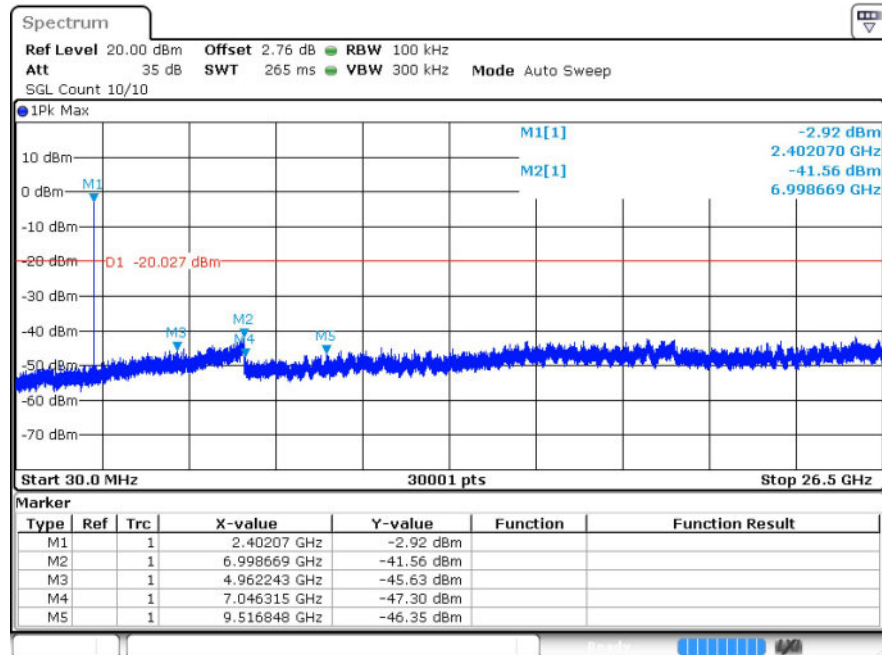


$\pi/4$ DQPSK_LCH_Graphs

Pref

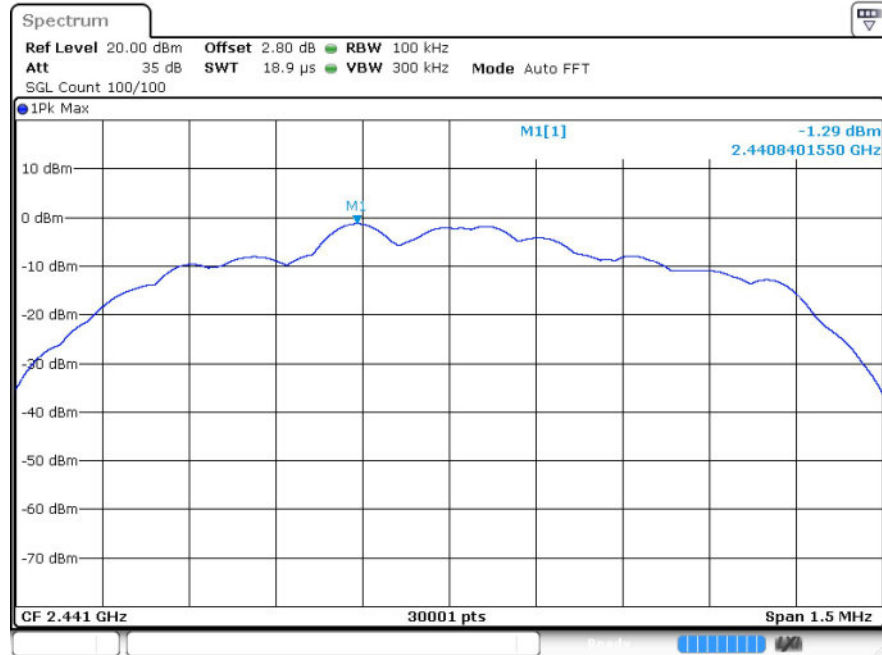


Puw

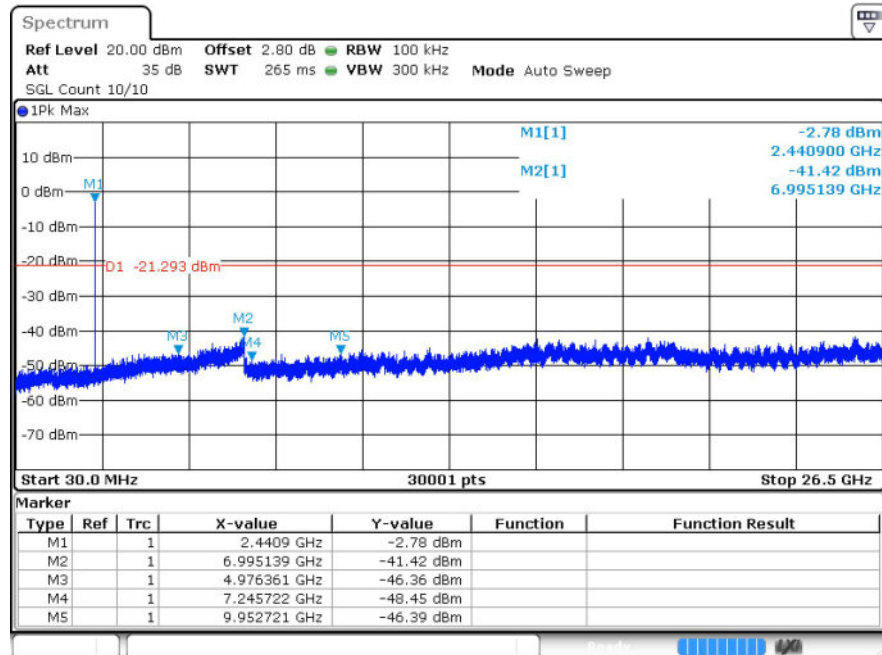


$\pi/4$ DQPSK_MCH_Graphs

Pref

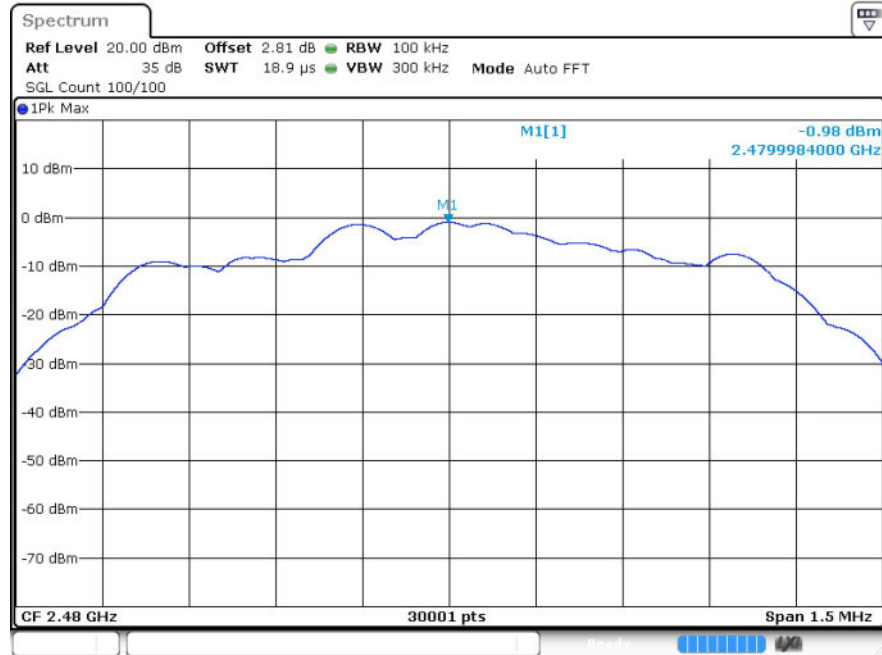


Puw

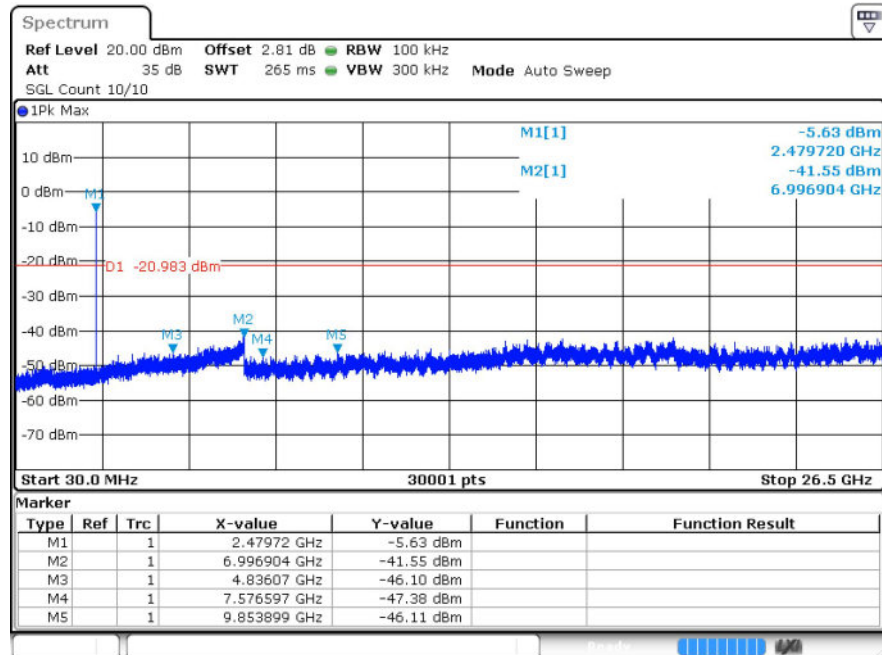


$\pi/4$ DQPSK_HCH_Graphs

Pref

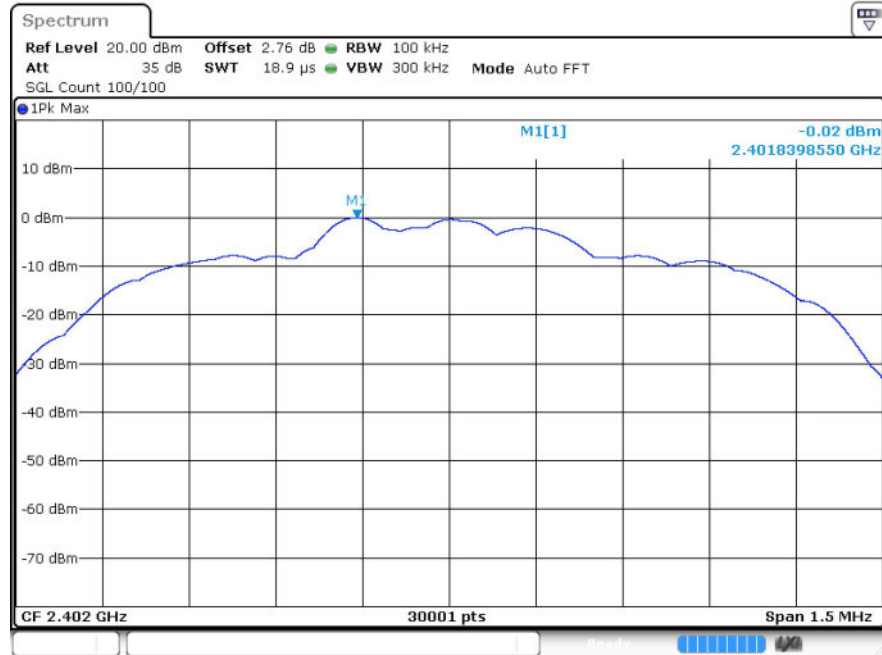


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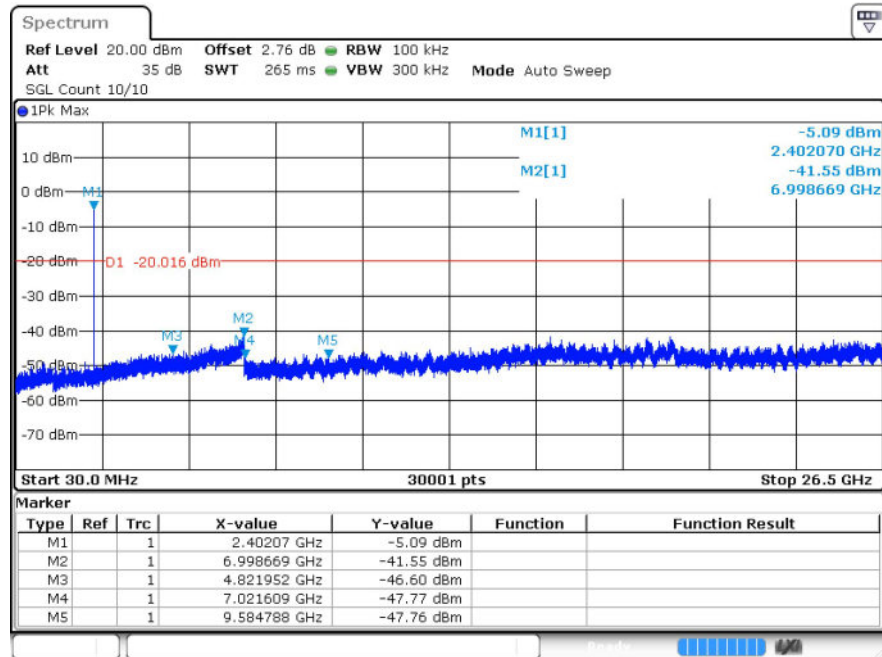


8DPSK_LCH_Graphs

Pref

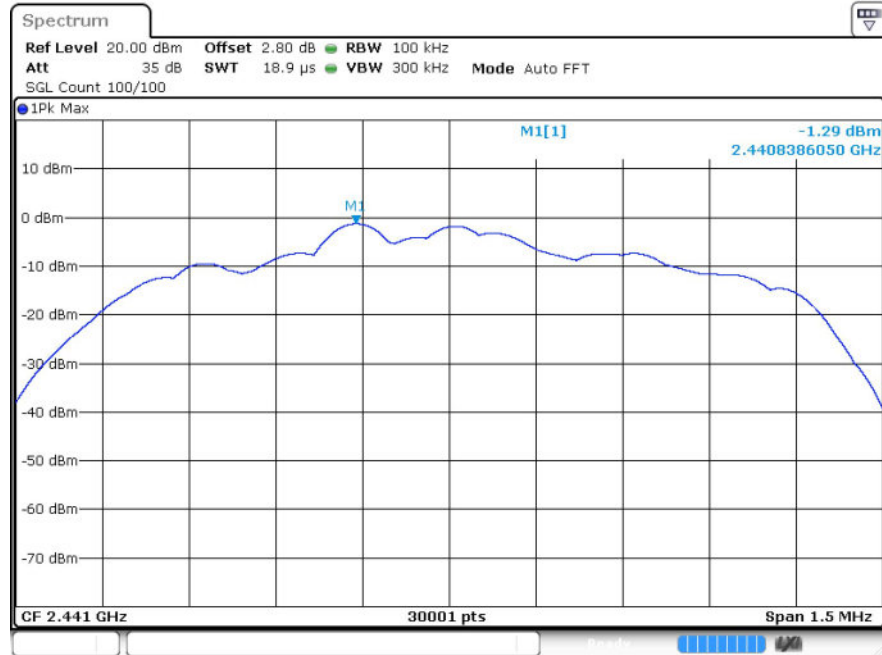


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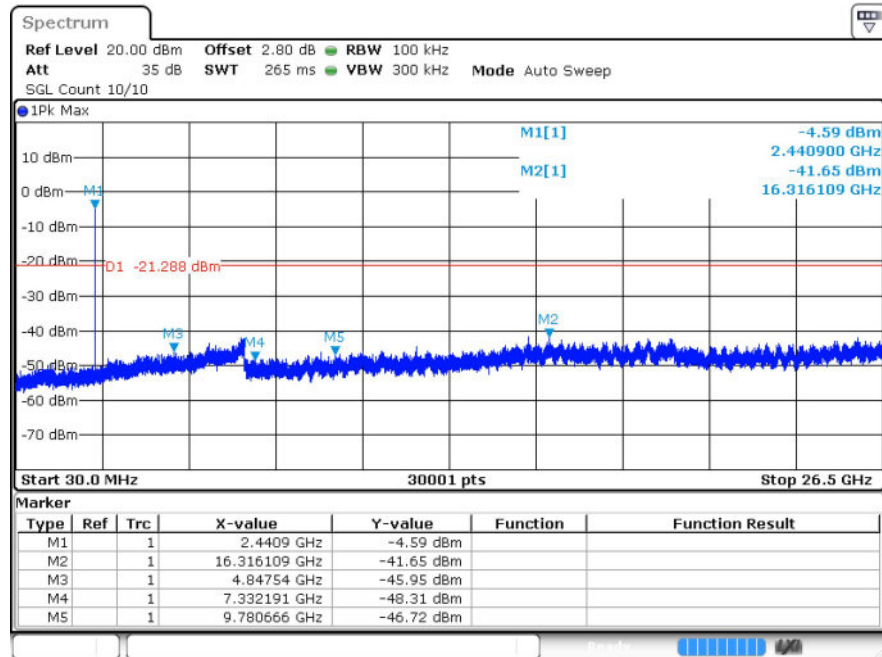


8DPSK_MCH_Graphs

Pref

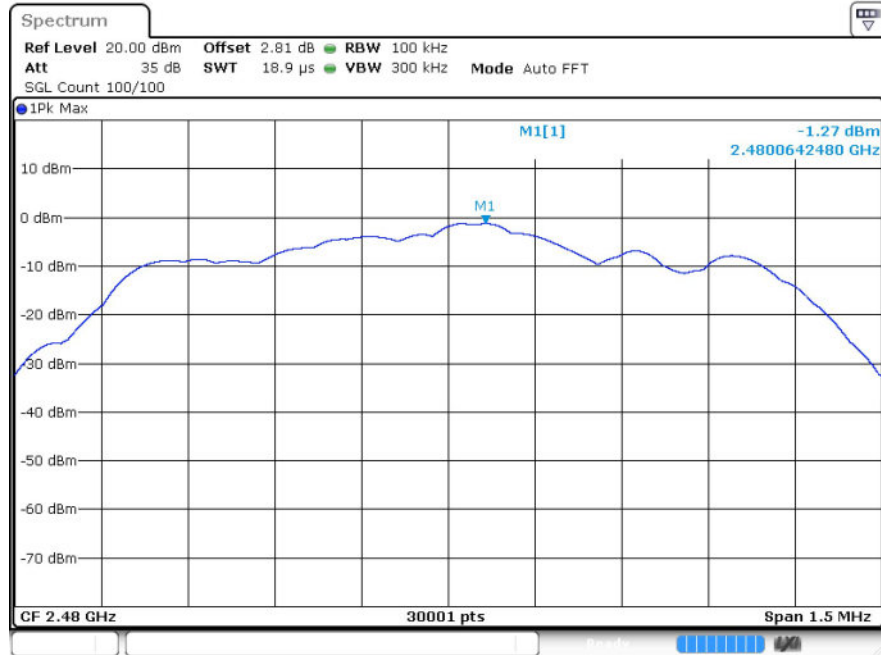


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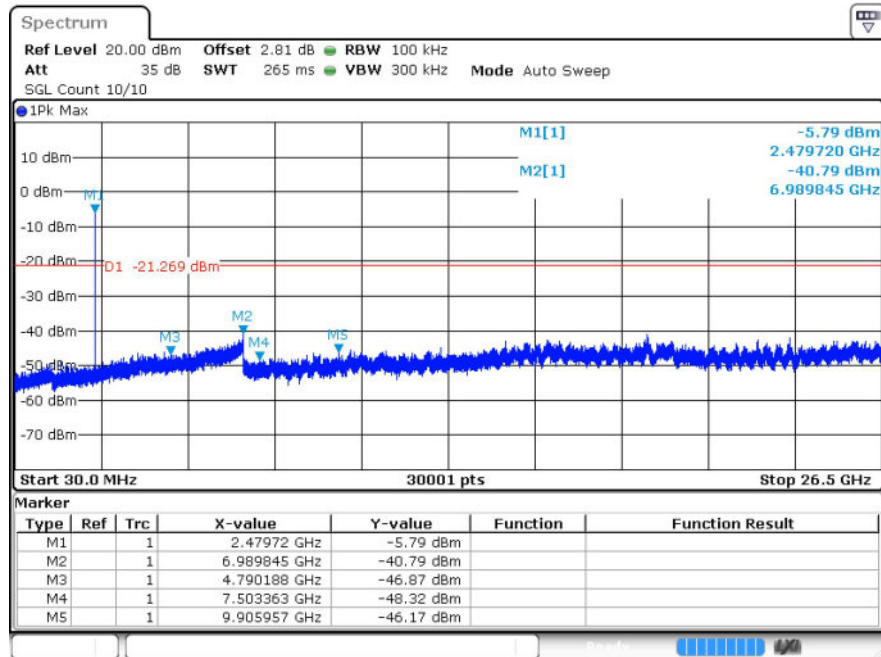


8DPSK_HCH_Graphs

Pref



Puw



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	-56.38	-20	Pass
			On	-54.82	-20	Pass
	HCH	2480	Off	-55.04	-20	Pass
			On	-54.43	-20	Pass
$\pi/4$ DQPSK	LCH	2402	Off	-55.37	-20	Pass
			On	-54.58	-20	Pass
	HCH	2480	Off	-55.09	-20	Pass
			On	-53.39	-20	Pass
8DPSK	LCH	2402	Off	-54.06	-20	Pass
			On	-55.36	-20	Pass
	HCH	2480	Off	-54.05	-20	Pass
			On	-54.26	-20	Pass

8.2 Test Graphs

