

Appendix A

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

Product Name: Legends Ultimate Home Arcade

Trade Mark: N/A

Test Model: HA8801S

Environmental Conditions

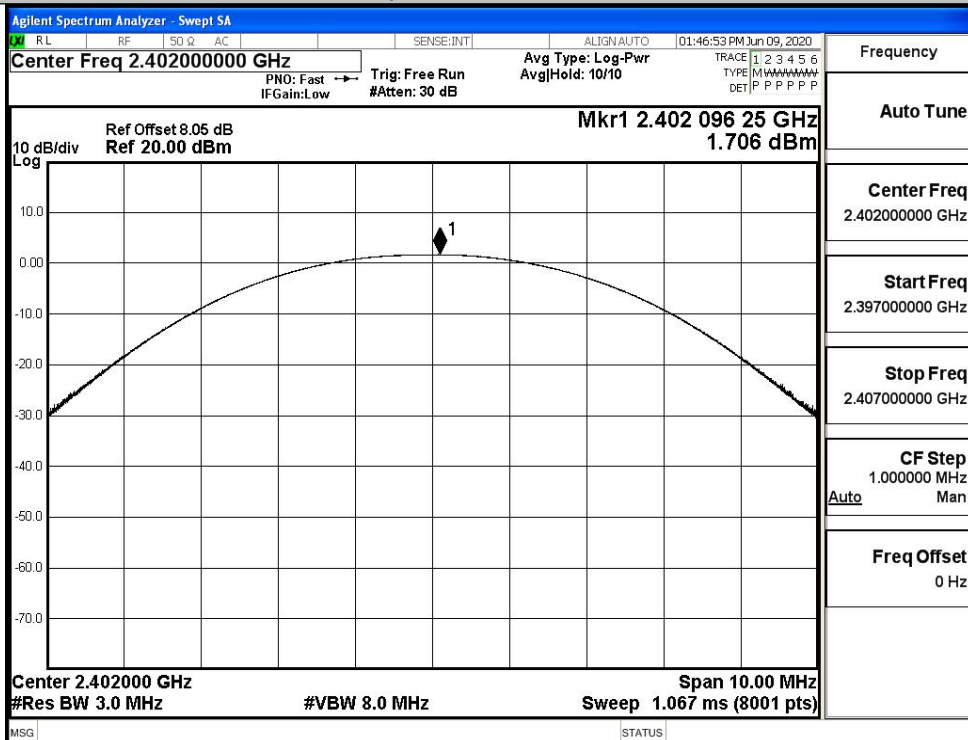
Temperature:	23.7 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Li Huan

A.1 Maximum Conducted Peak Output Power

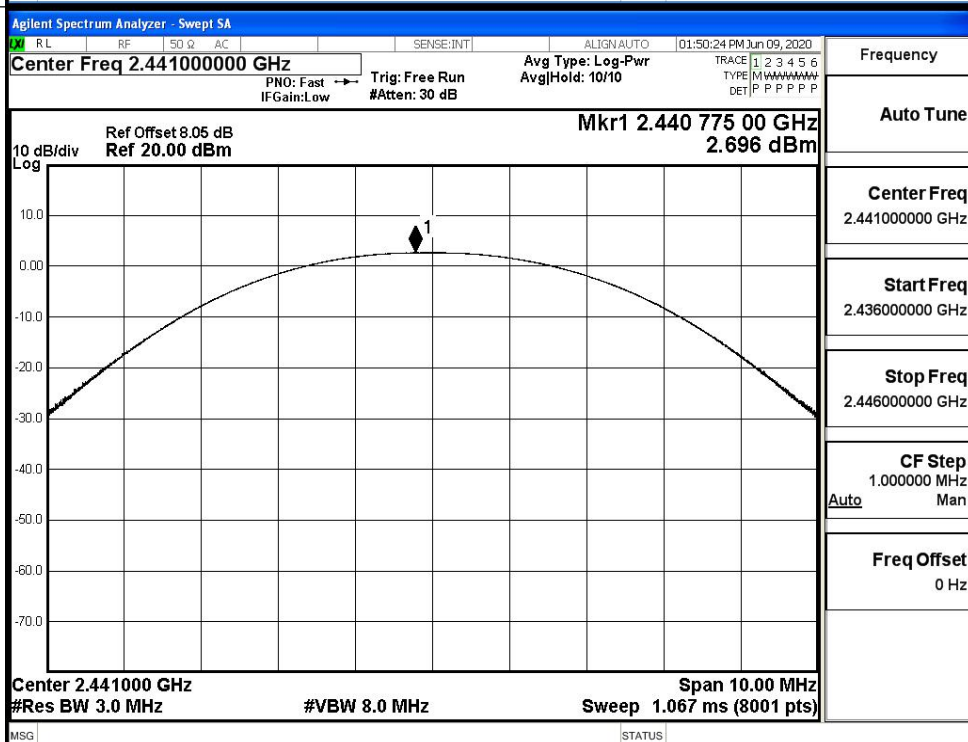
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	1.706	21	PASS
	MCH	2.696	21	PASS
	HCH	2.378	21	PASS
$\pi/4$ DQPSK	LCH	1.556	21	PASS
	MCH	2.612	21	PASS
	HCH	2.116	21	PASS
8DPSK	LCH	1.592	21	PASS
	MCH	2.615	21	PASS
	HCH	2.284	21	PASS

Test Graphs

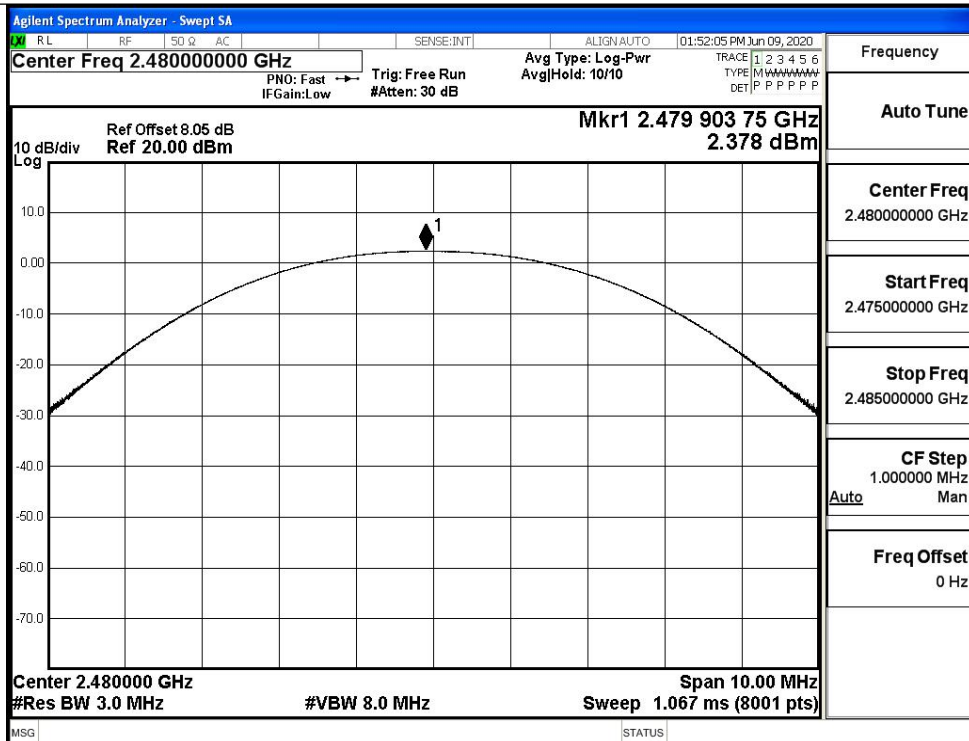
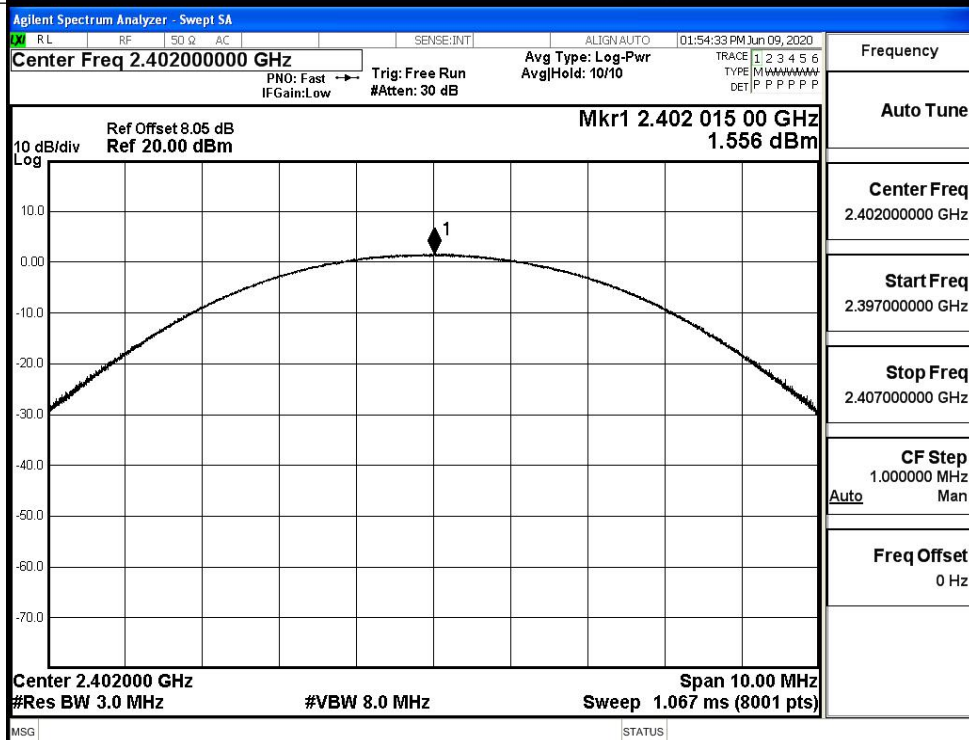
GFSK/LCH

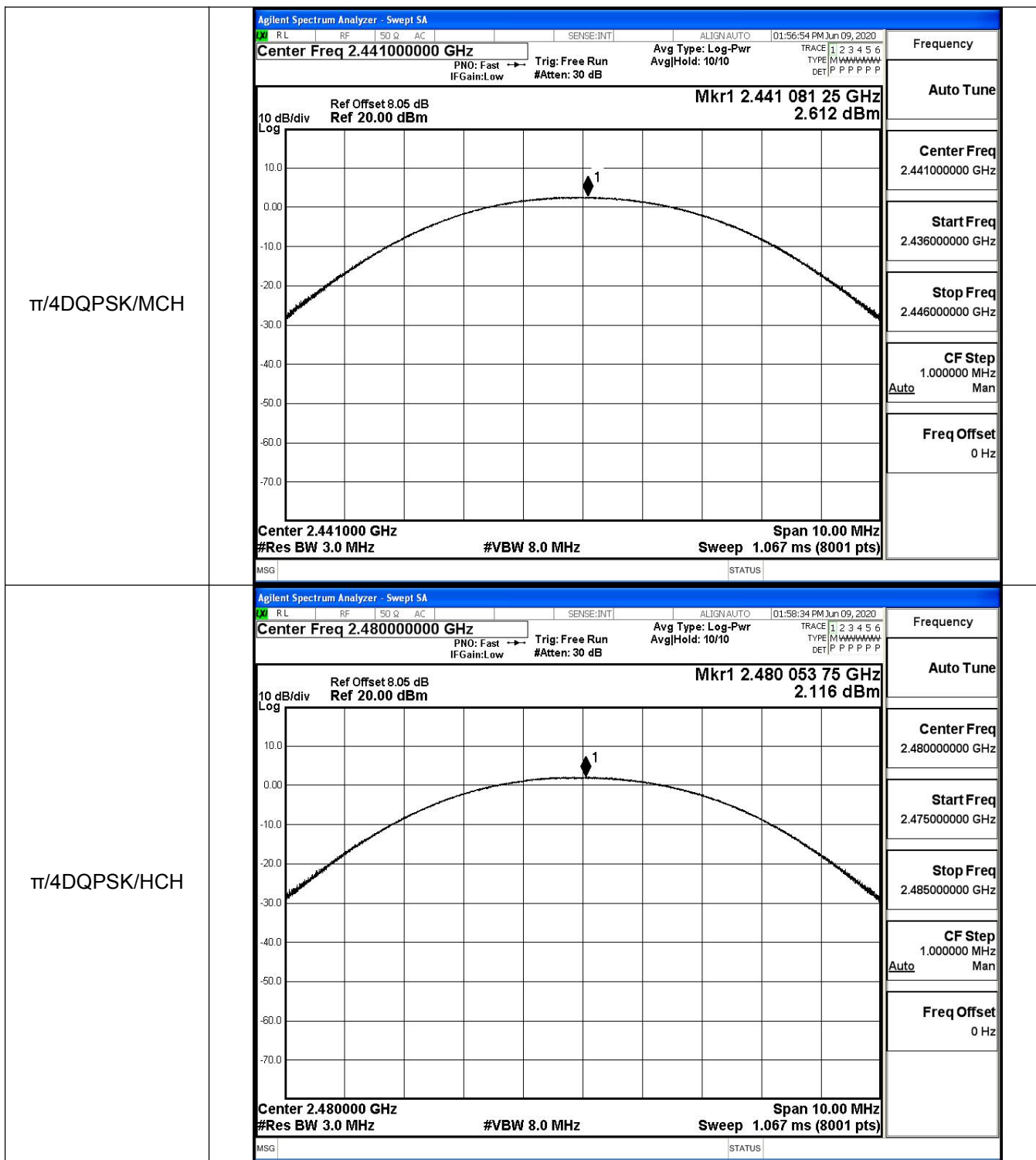


GFSK/MCH

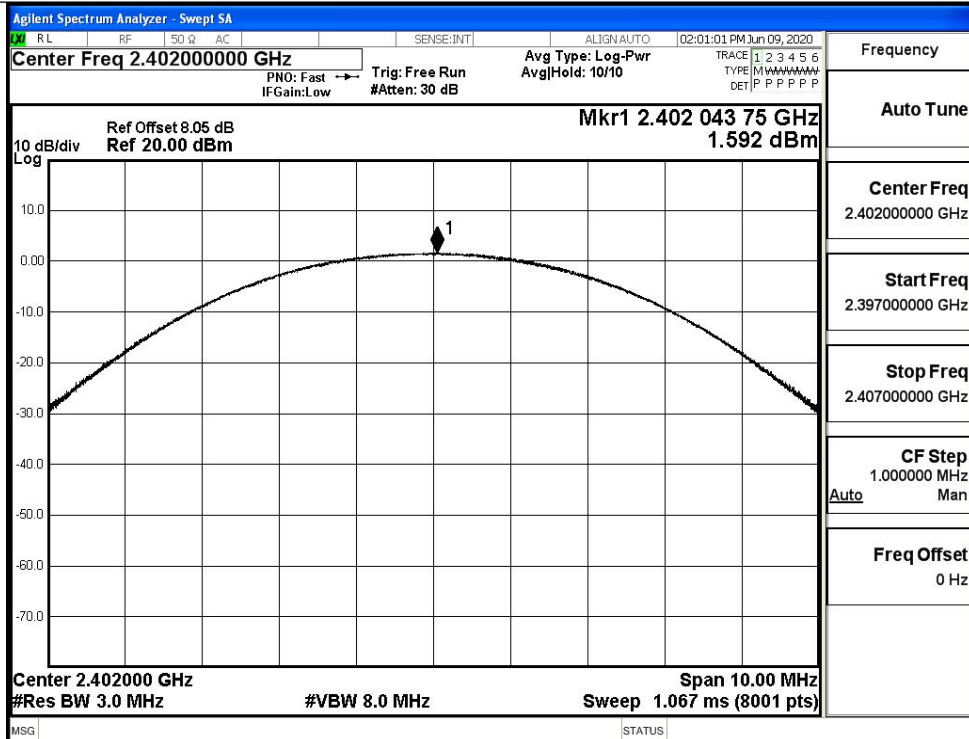


GFSK/HCH

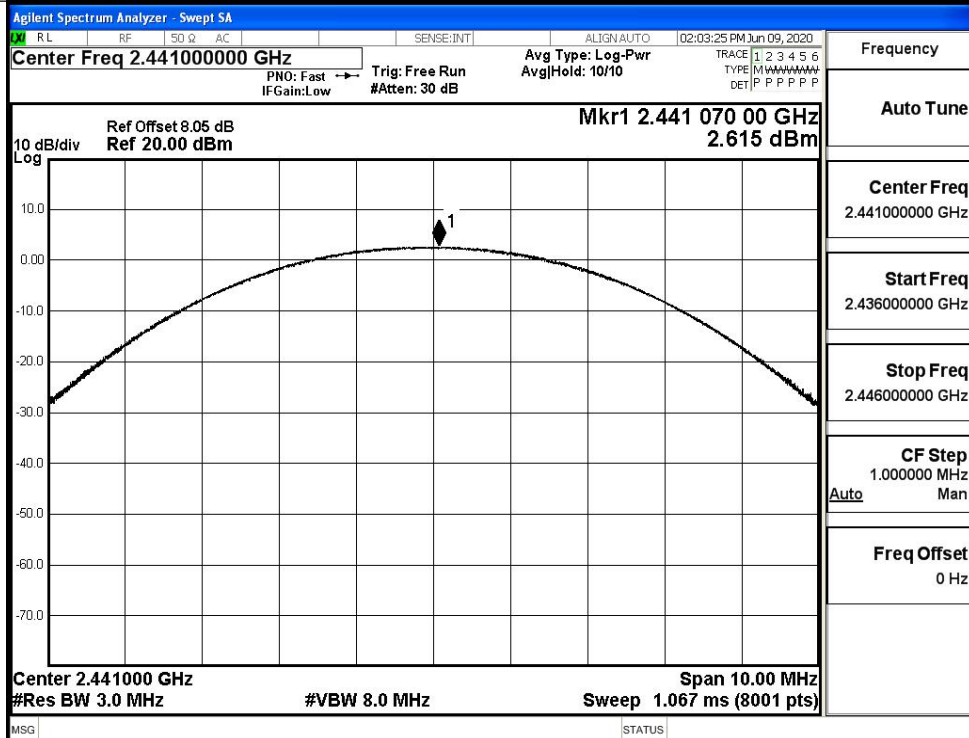
 π /4DQPSK/LCH



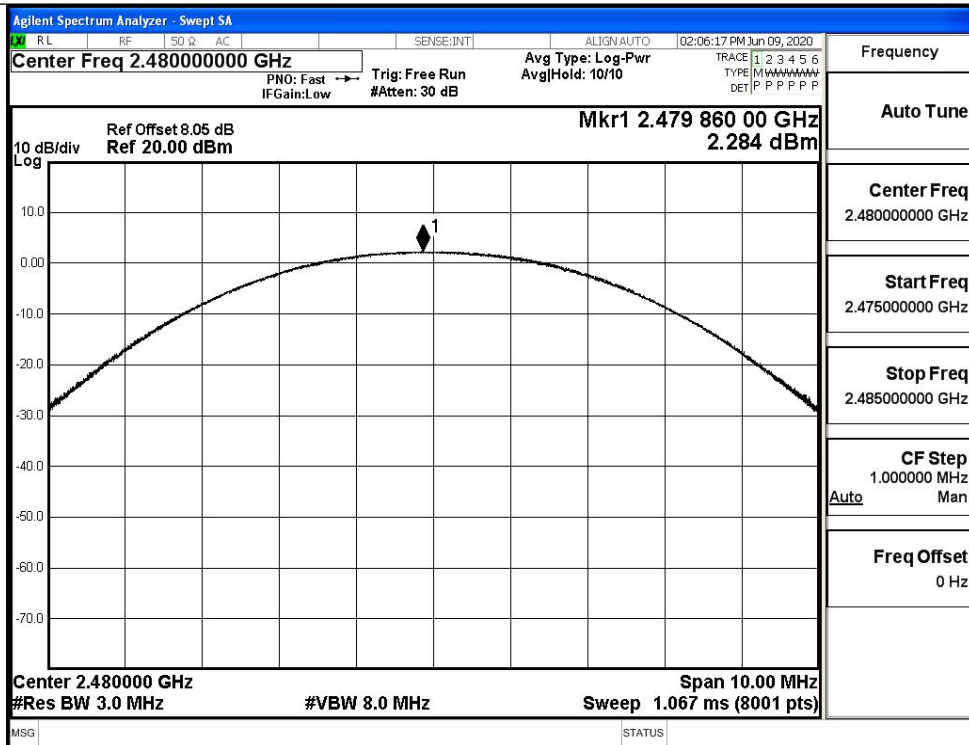
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

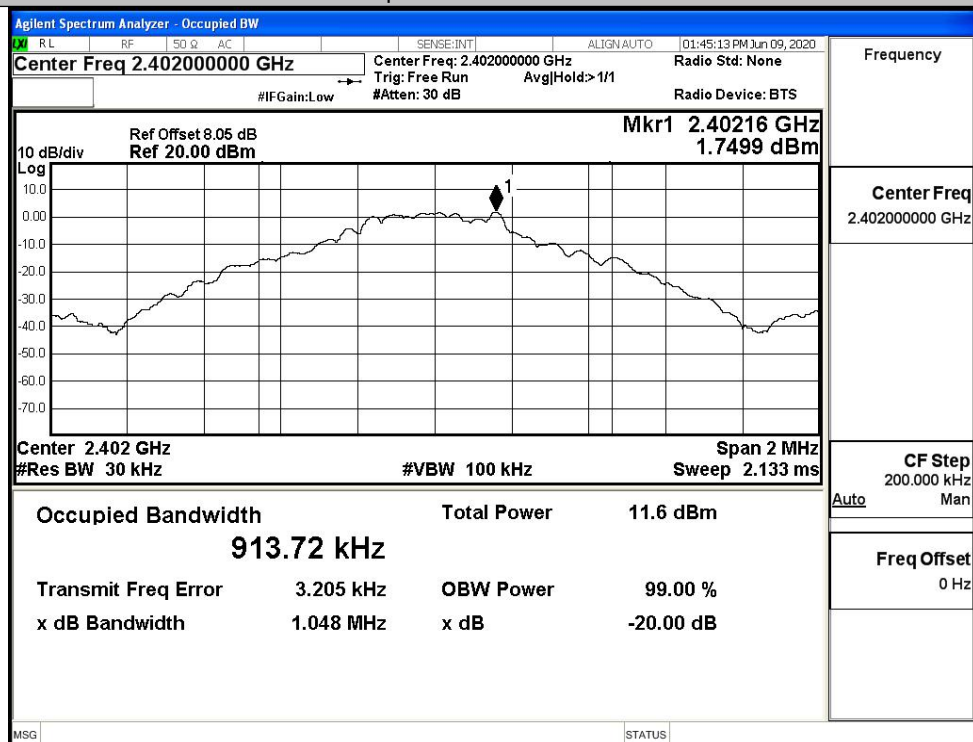


A.2 20dB Bandwidth

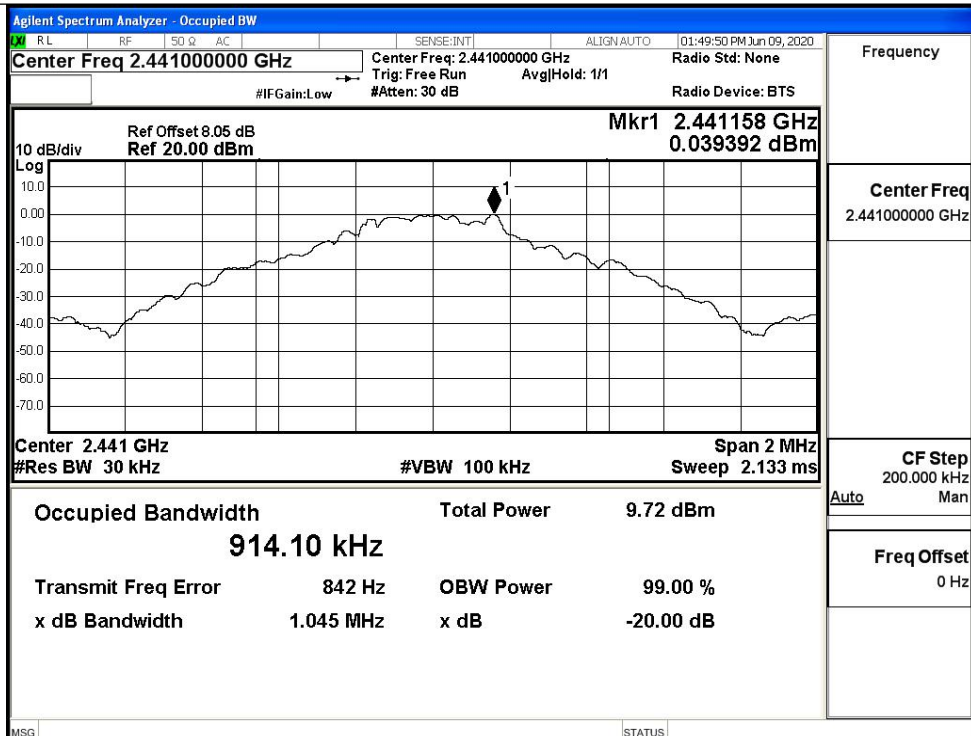
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.048	Not Specified	PASS
	MCH	1.045	Not Specified	PASS
	HCH	1.046	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.292	Not Specified	PASS
	MCH	1.310	Not Specified	PASS
	HCH	1.290	Not Specified	PASS
8DPSK	LCH	1.299	Not Specified	PASS
	MCH	1.300	Not Specified	PASS
	HCH	1.296	Not Specified	PASS

Test Graphs

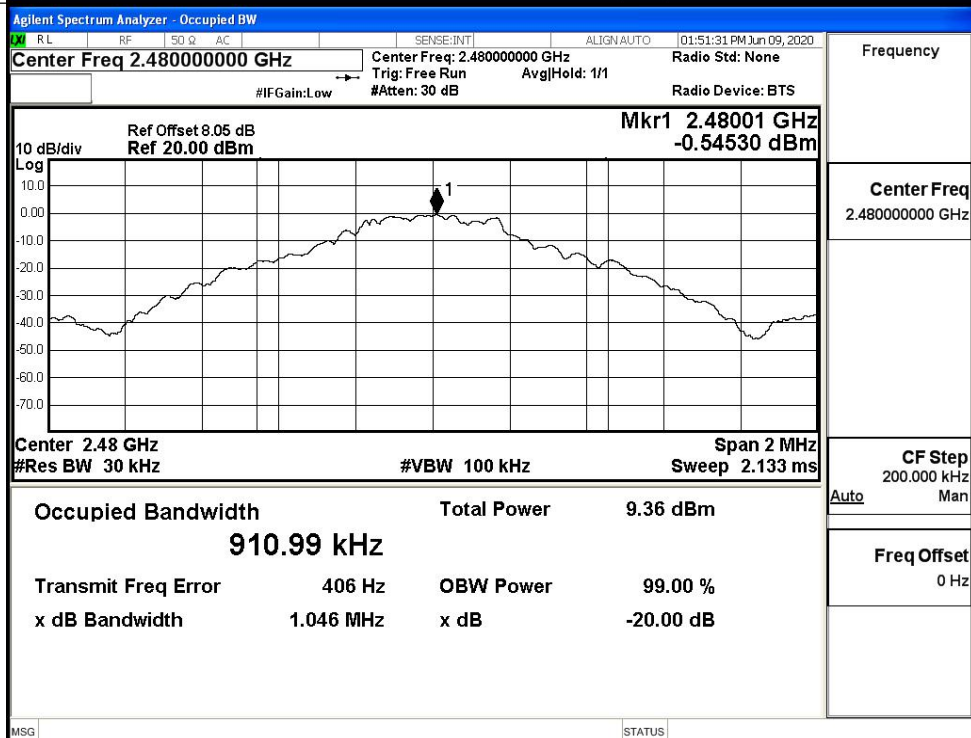
GFSK/LCH

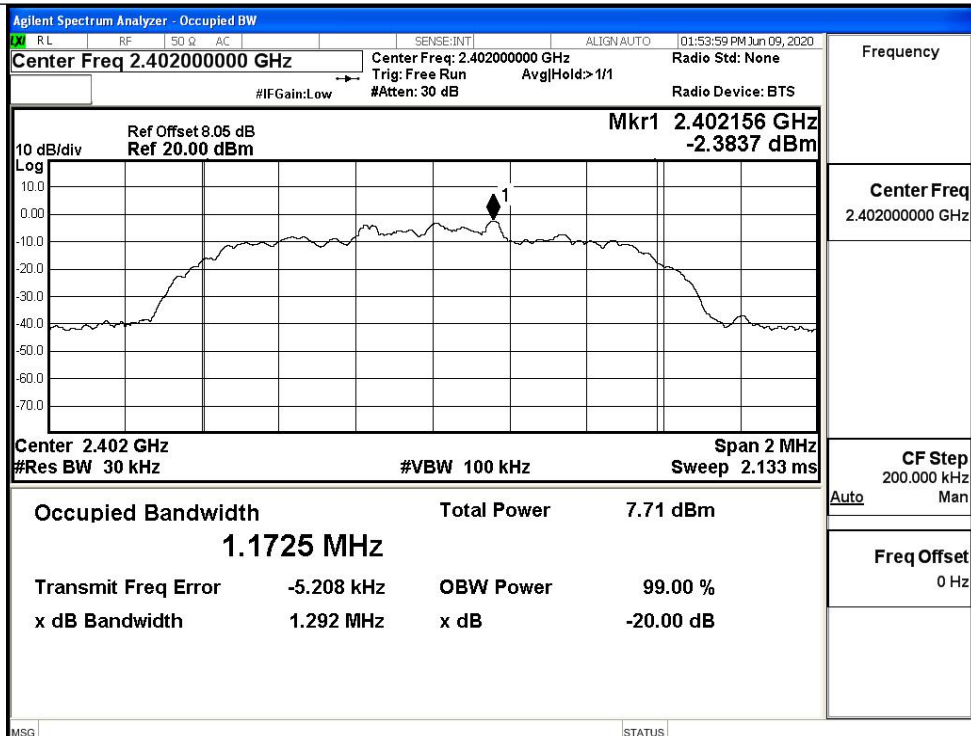
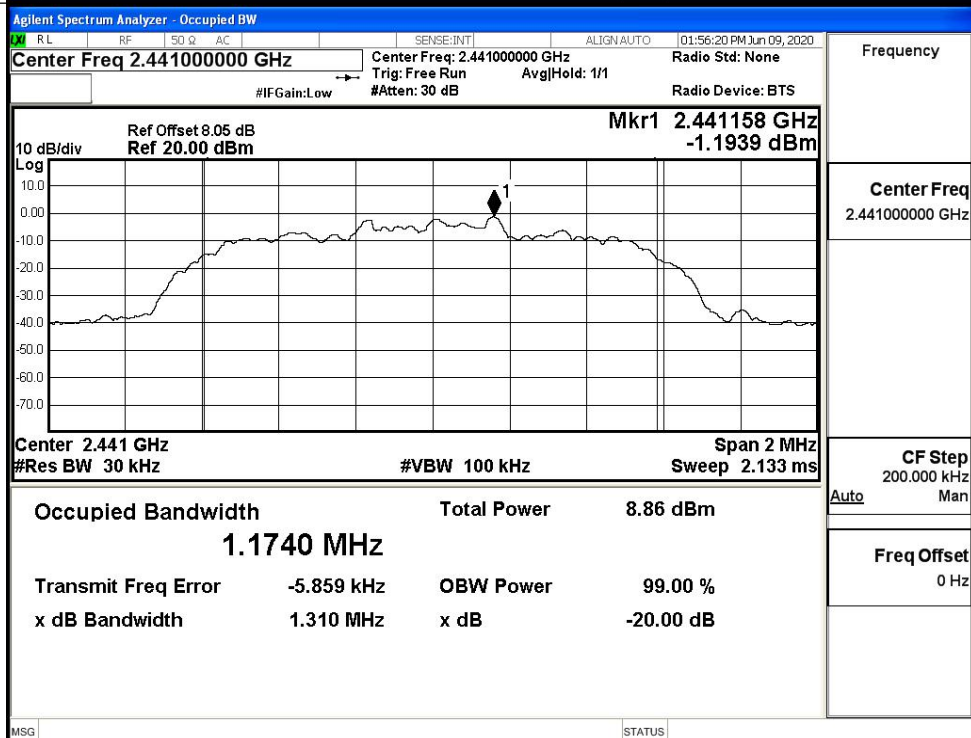


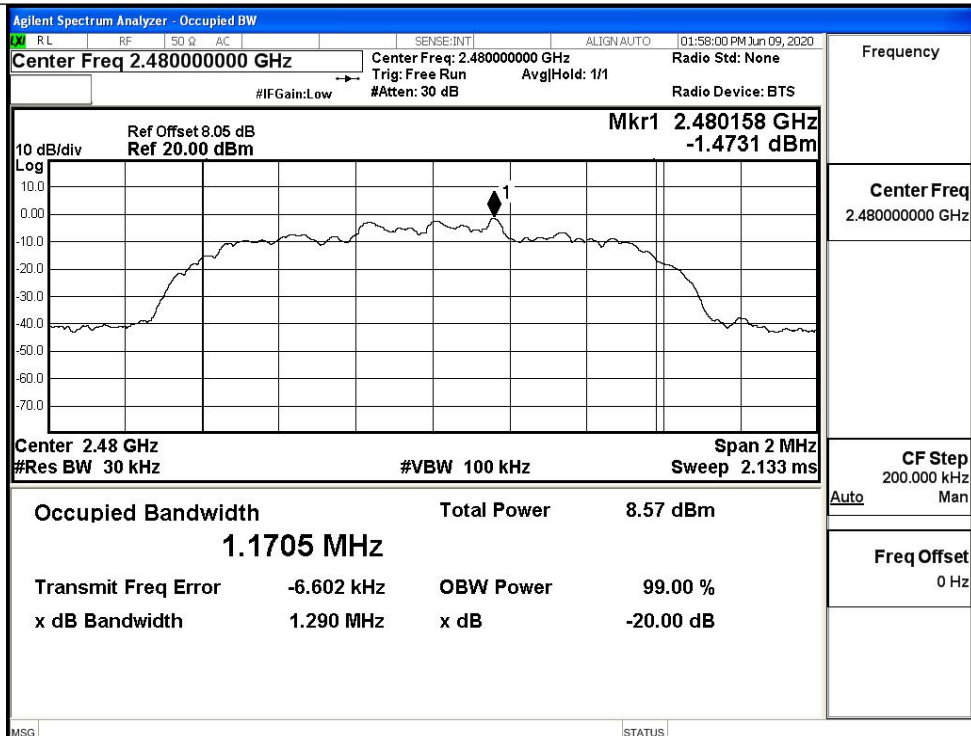
GFSK/MCH



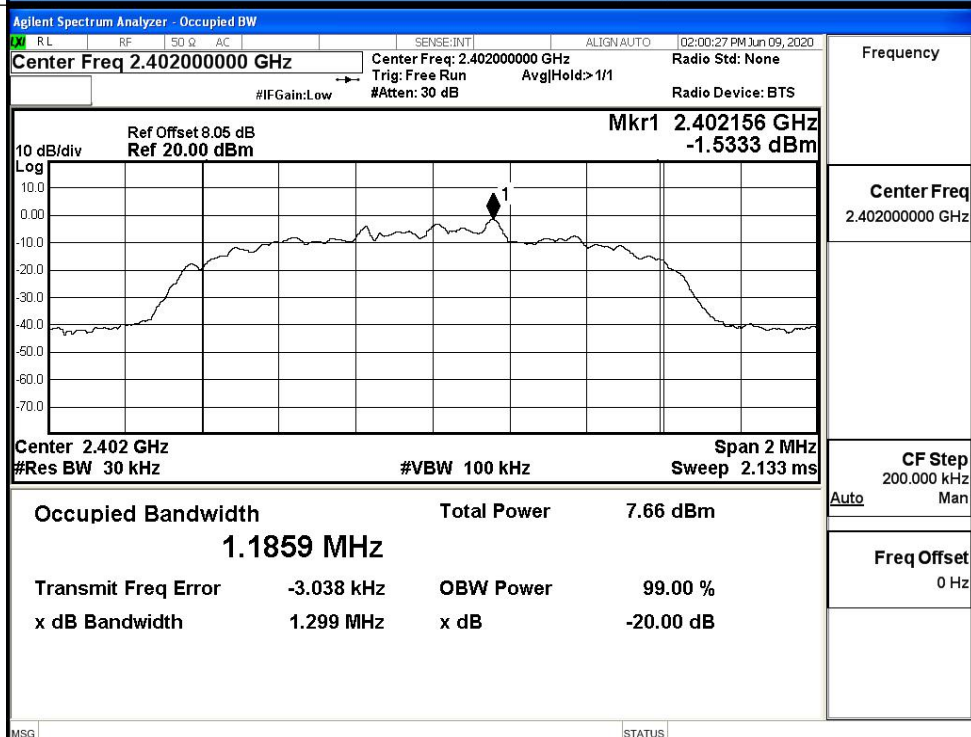
GFSK/HCH



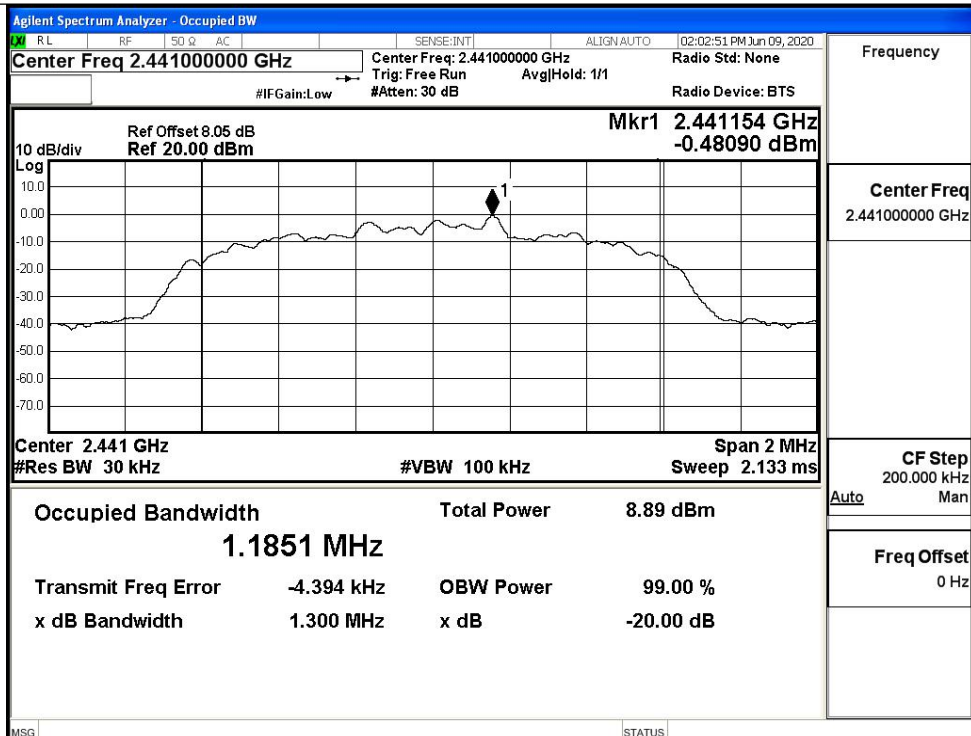
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

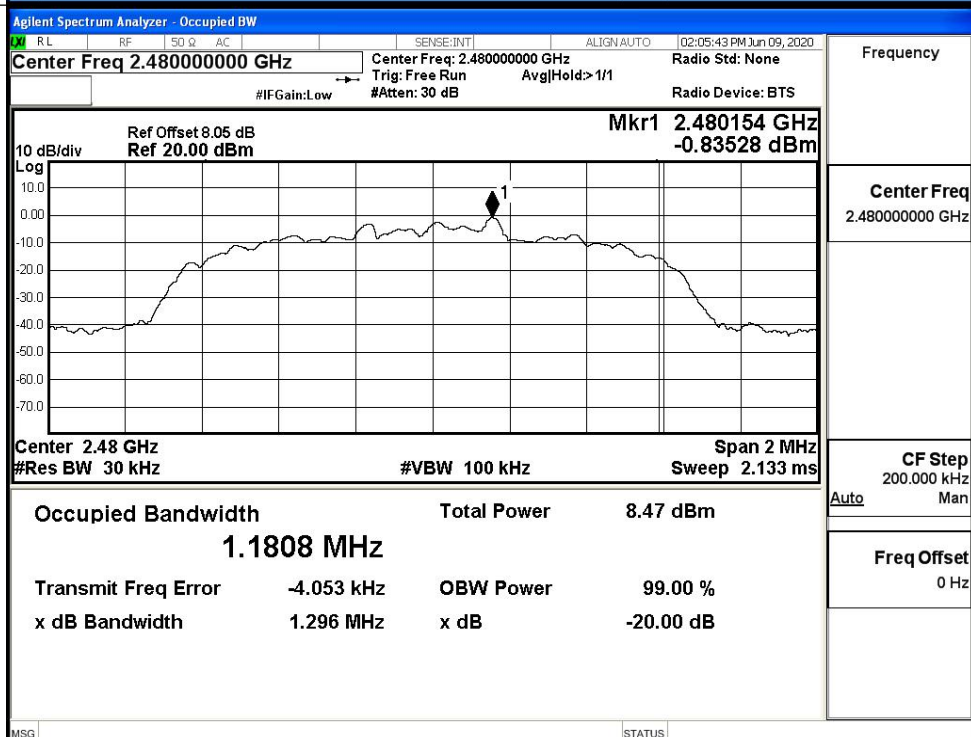
8DPSK/LCH



8DPSK/MCH



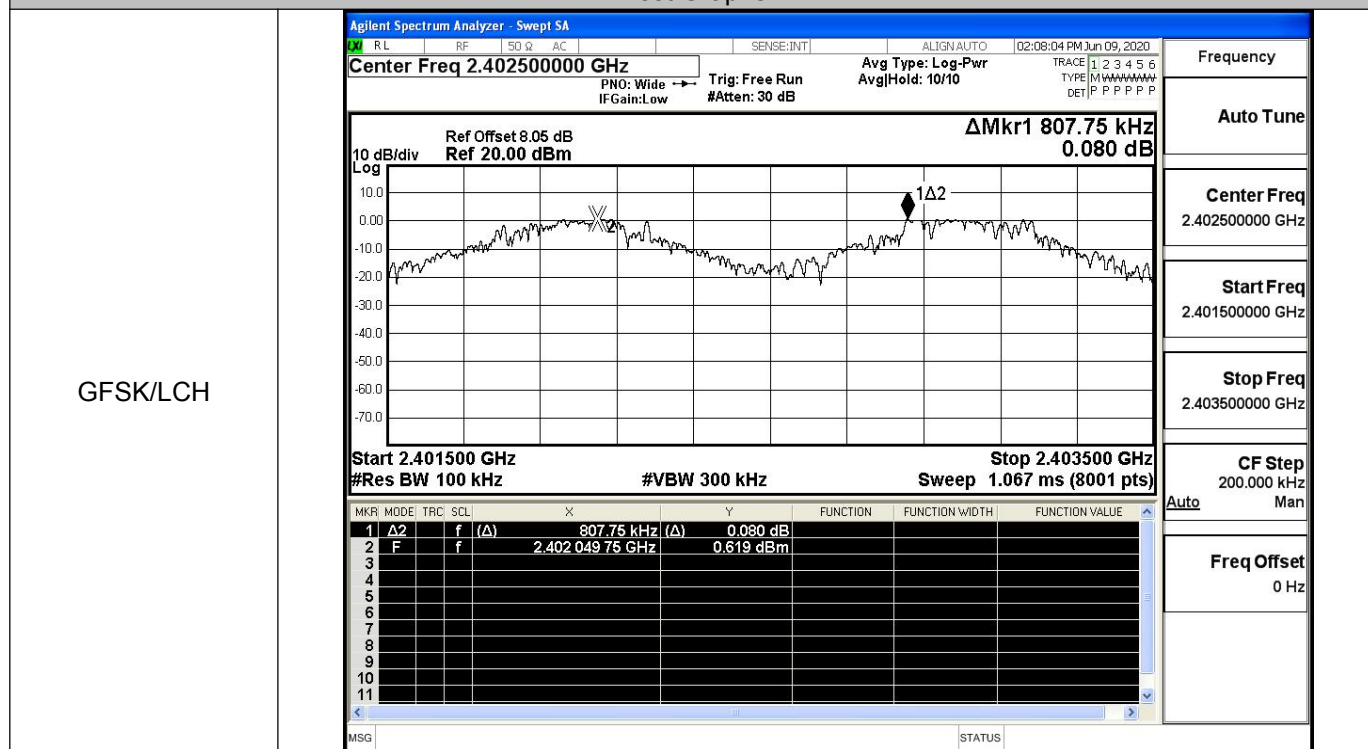
8DPSK/HCH



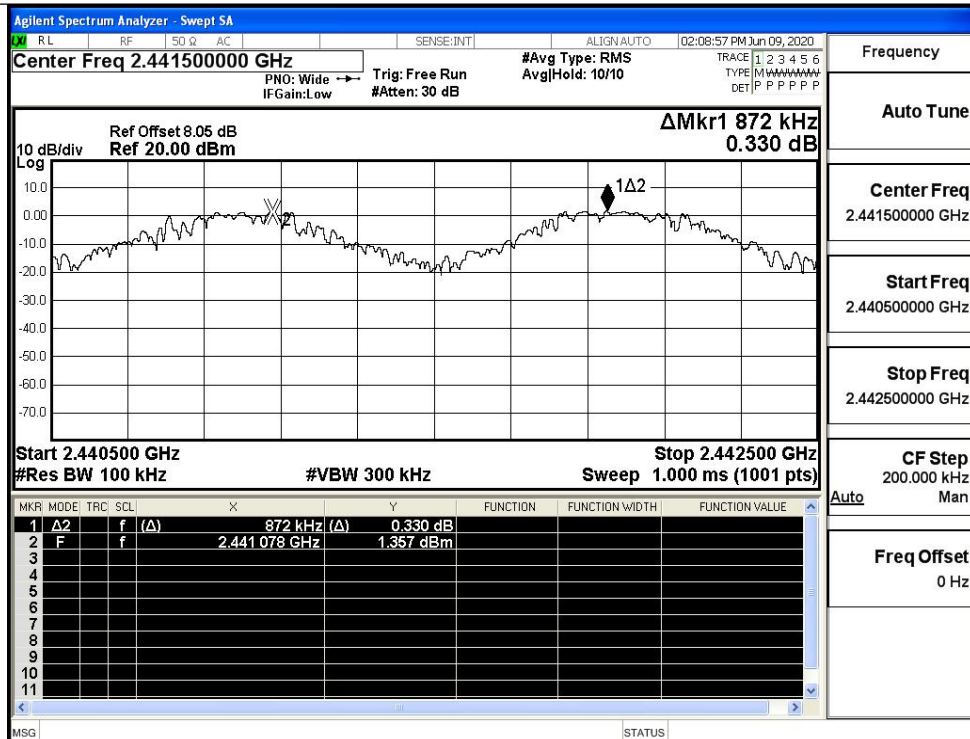
A.3 Carrier Frequency Separation

Mode	Channel	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.808	0.699	PASS
	MCH	0.872	0.699	PASS
	HCH	0.942	0.699	PASS
$\pi/4$ DQPSK	LCH	1.364	0.873	PASS
	MCH	1.018	0.873	PASS
	HCH	1.318	0.873	PASS
8DPSK	LCH	1.060	0.867	PASS
	MCH	0.946	0.867	PASS
	HCH	0.986	0.867	PASS

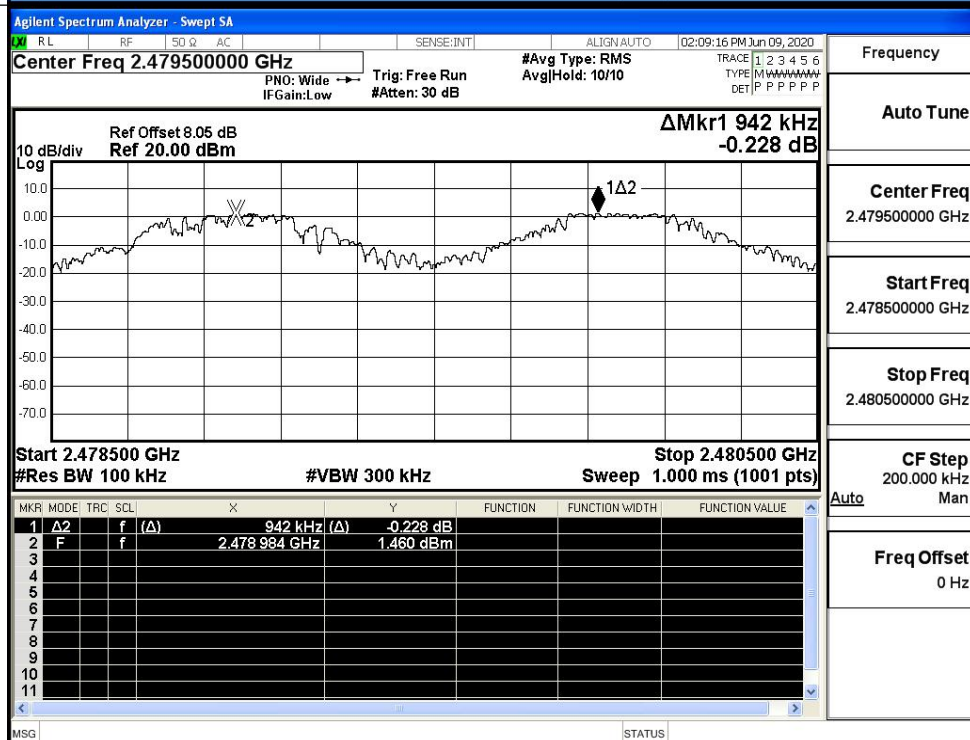
Test Graphs

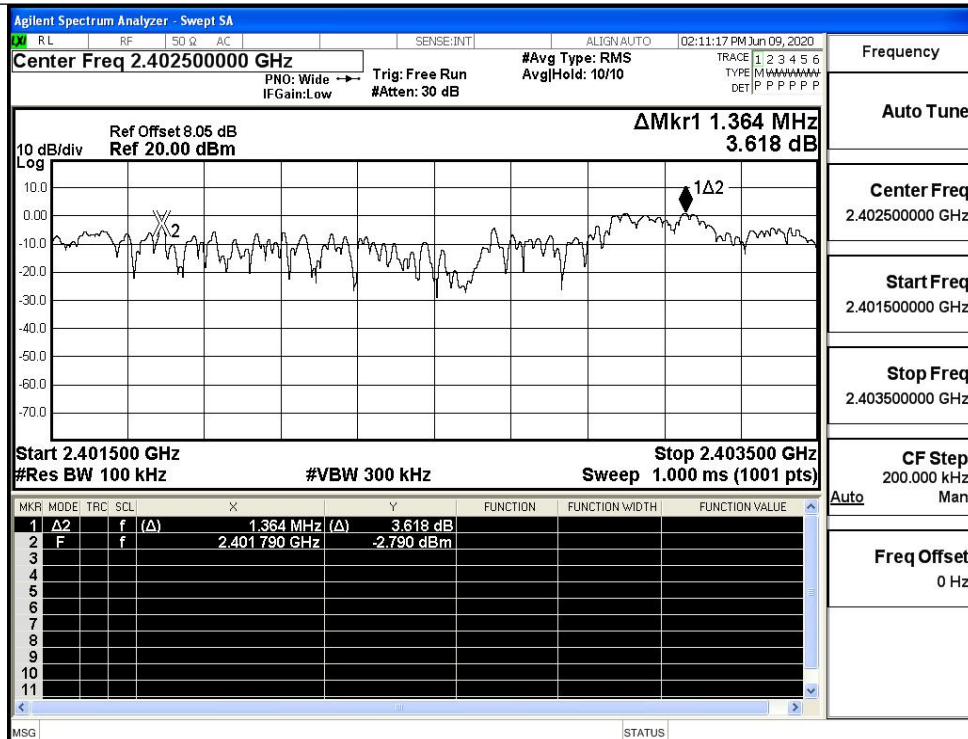


GFSK/MCH



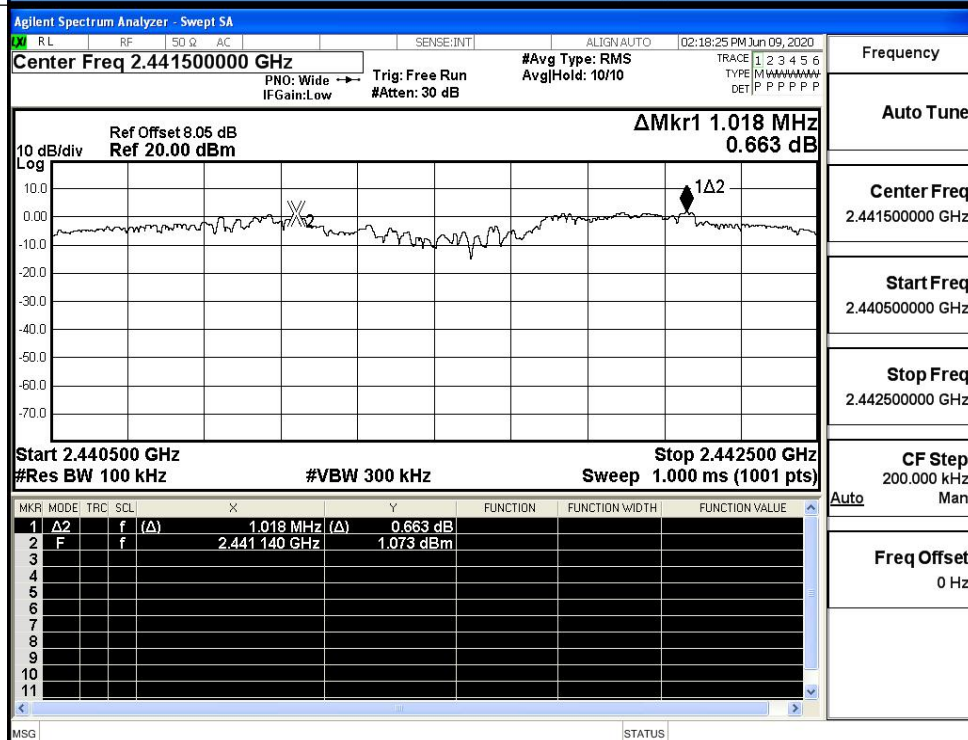
GFSK/HCH



$\pi/4$ DQPSK/LCH

Frequency

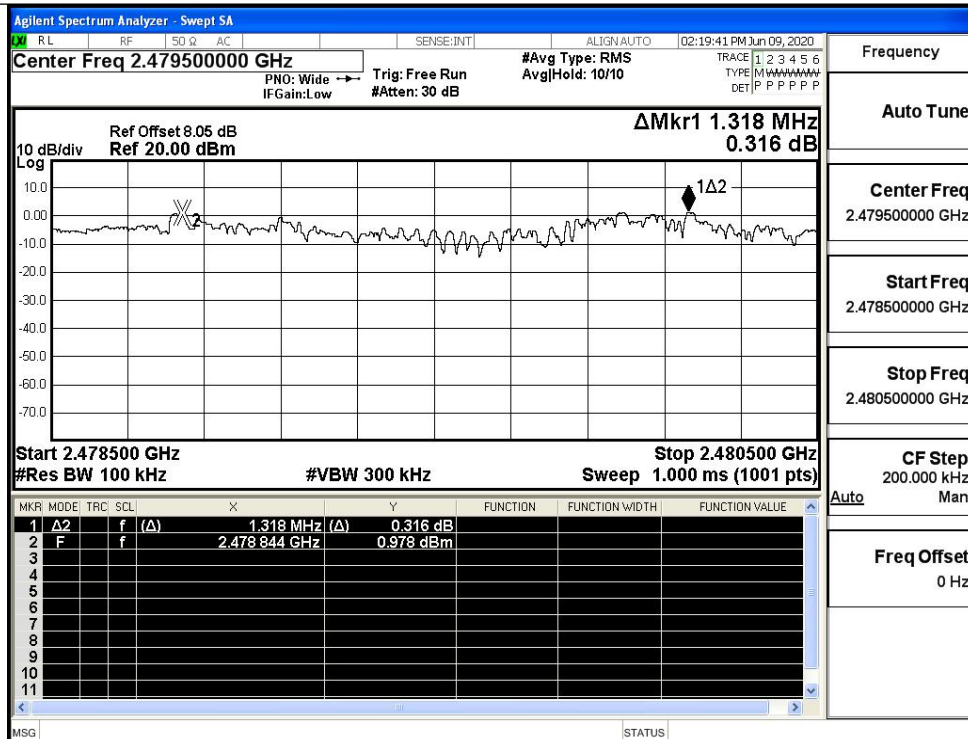
Auto Tune

Center Freq
2.402500000 GHzStart Freq
2.401500000 GHzStop Freq
2.403500000 GHzCF Step
200.000 kHz
ManFreq Offset
0 Hz $\pi/4$ DQPSK/MCH

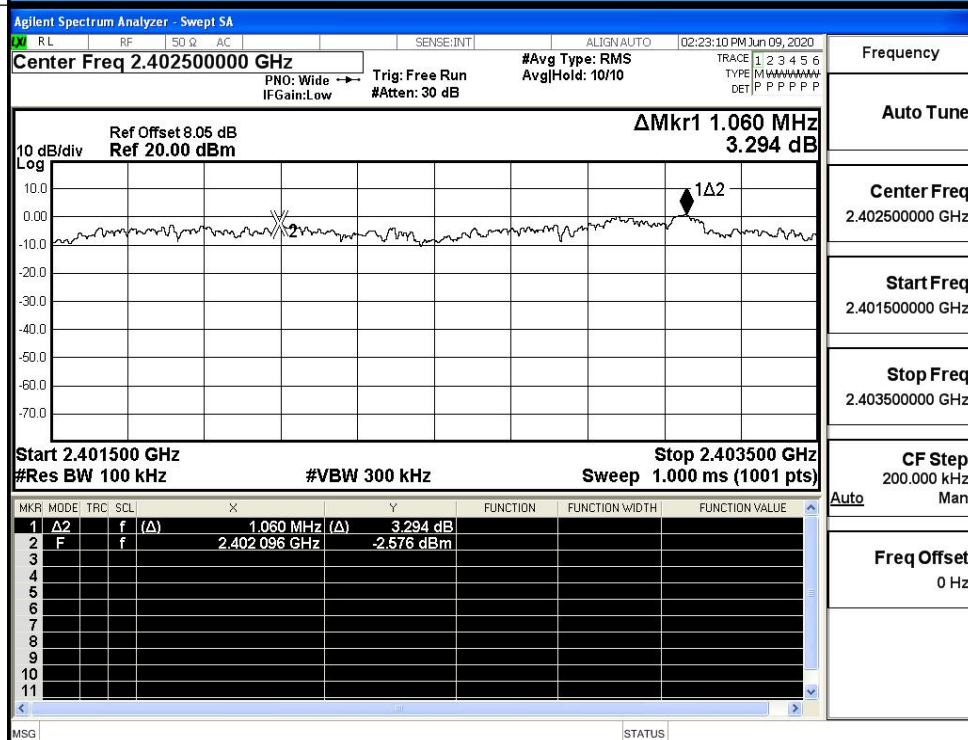
Frequency

Auto Tune

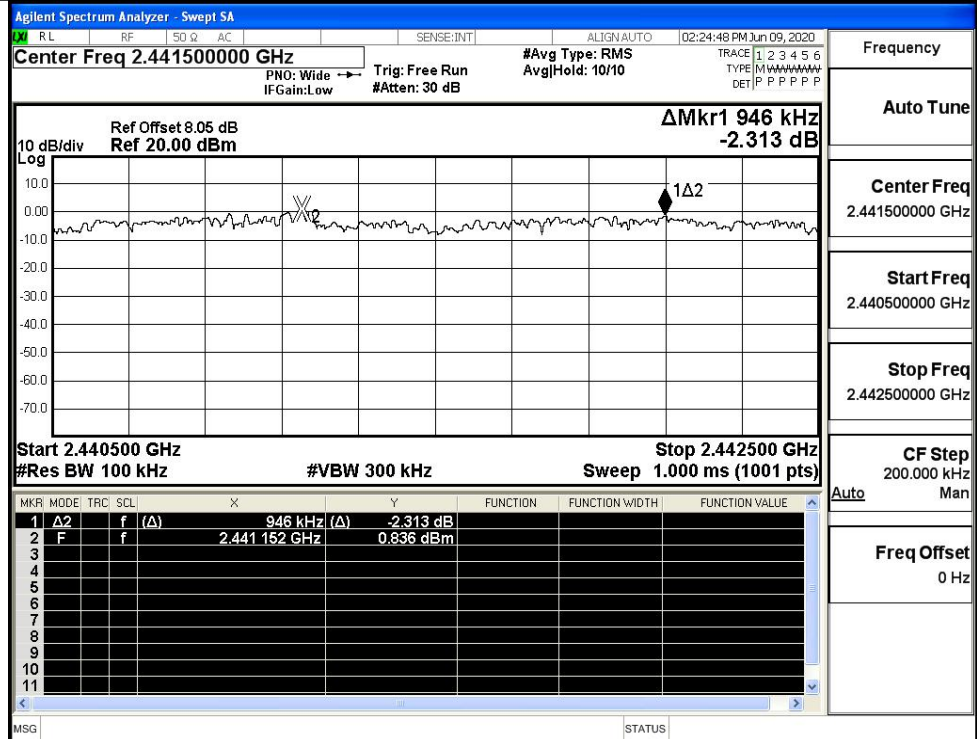
Center Freq
2.441500000 GHzStart Freq
2.440500000 GHzStop Freq
2.442500000 GHzCF Step
200.000 kHz
ManFreq Offset
0 Hz

$\pi/4$ DQPSK/HCH

8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

