

Appendix A

RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

Product Name: Smartphone

Trade Mark: Win

Test Model: M5

Environmental Conditions

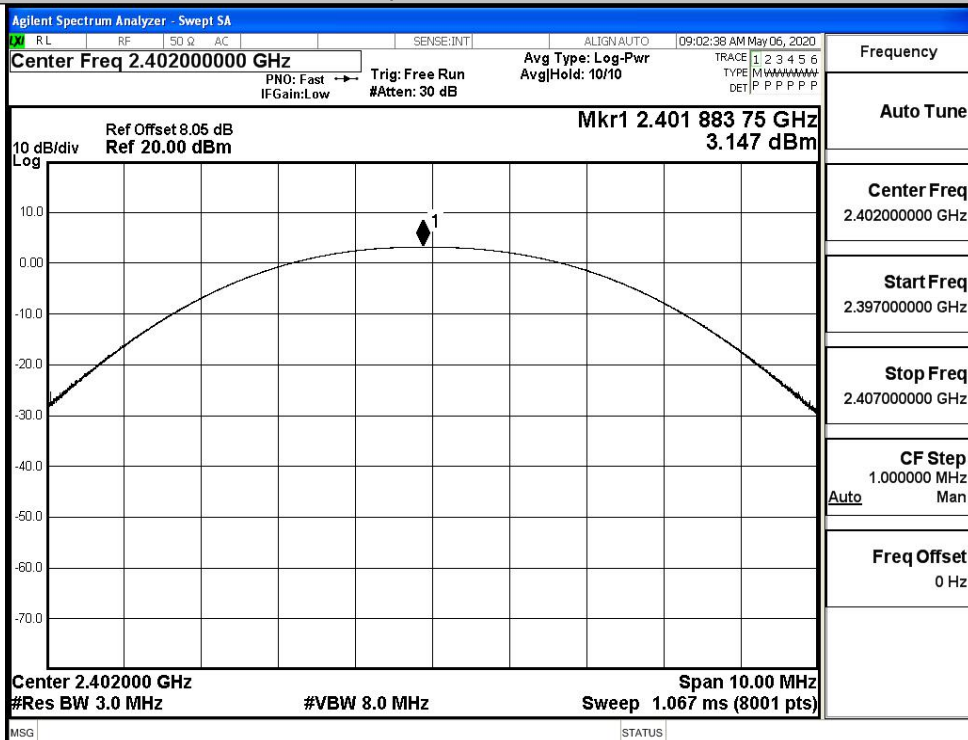
Temperature:	24.3 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	LI HUAN
Supervised by:	Tom.Liu

A.1 Maxmum Conducted Peak Output Power

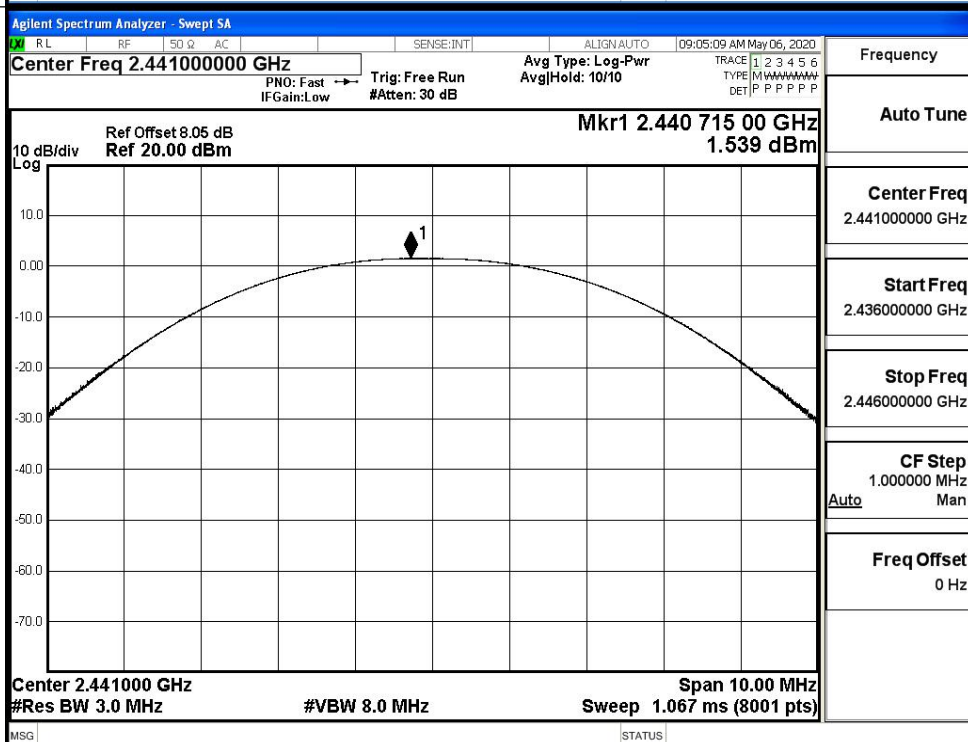
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	3.147	30	PASS
	MCH	1.539	30	PASS
	HCH	1.001	30	PASS
$\pi/4$ DQPSK	LCH	0.331	21	PASS
	MCH	-0.947	21	PASS
	HCH	-2.099	21	PASS
8DPSK	LCH	0.721	21	PASS
	MCH	-0.646	21	PASS
	HCH	-1.541	21	PASS

Test Graphs

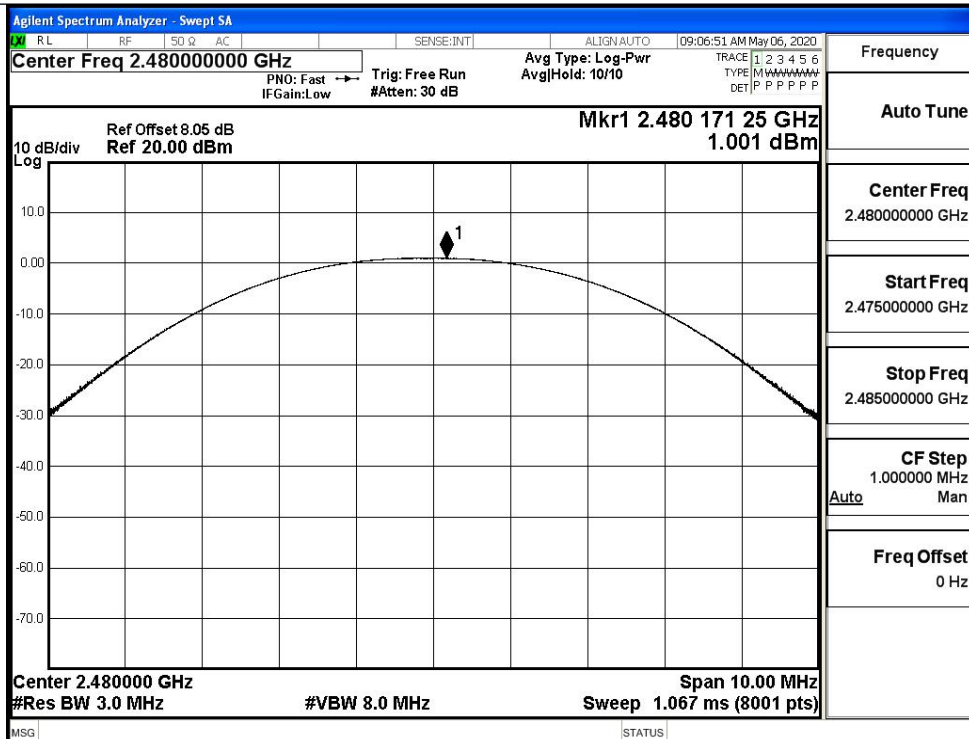
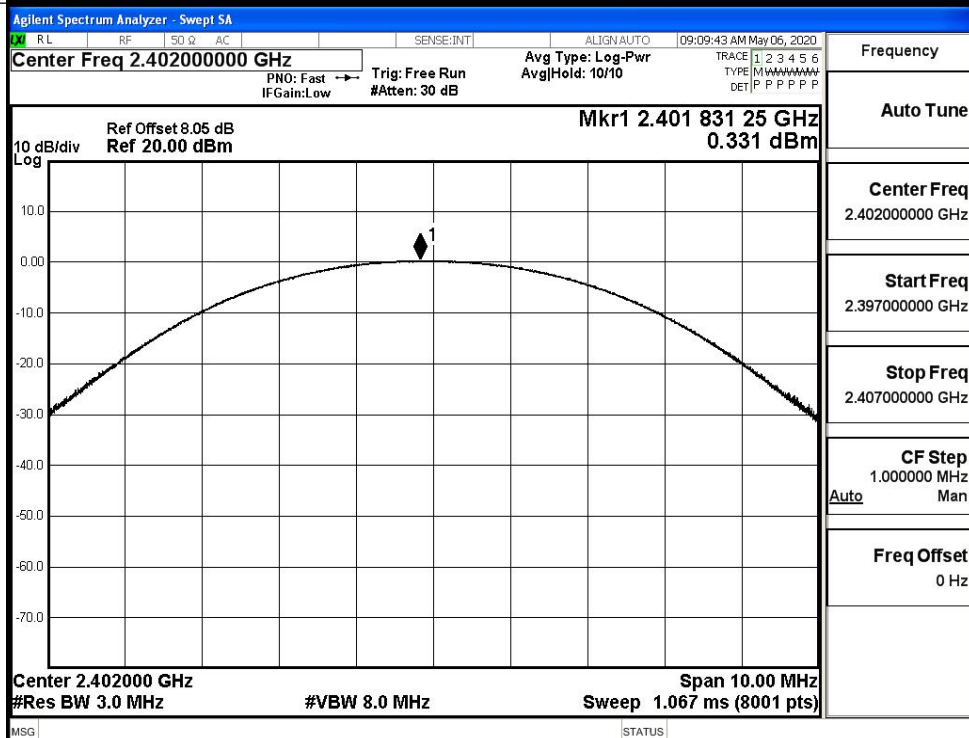
GFSK/LCH

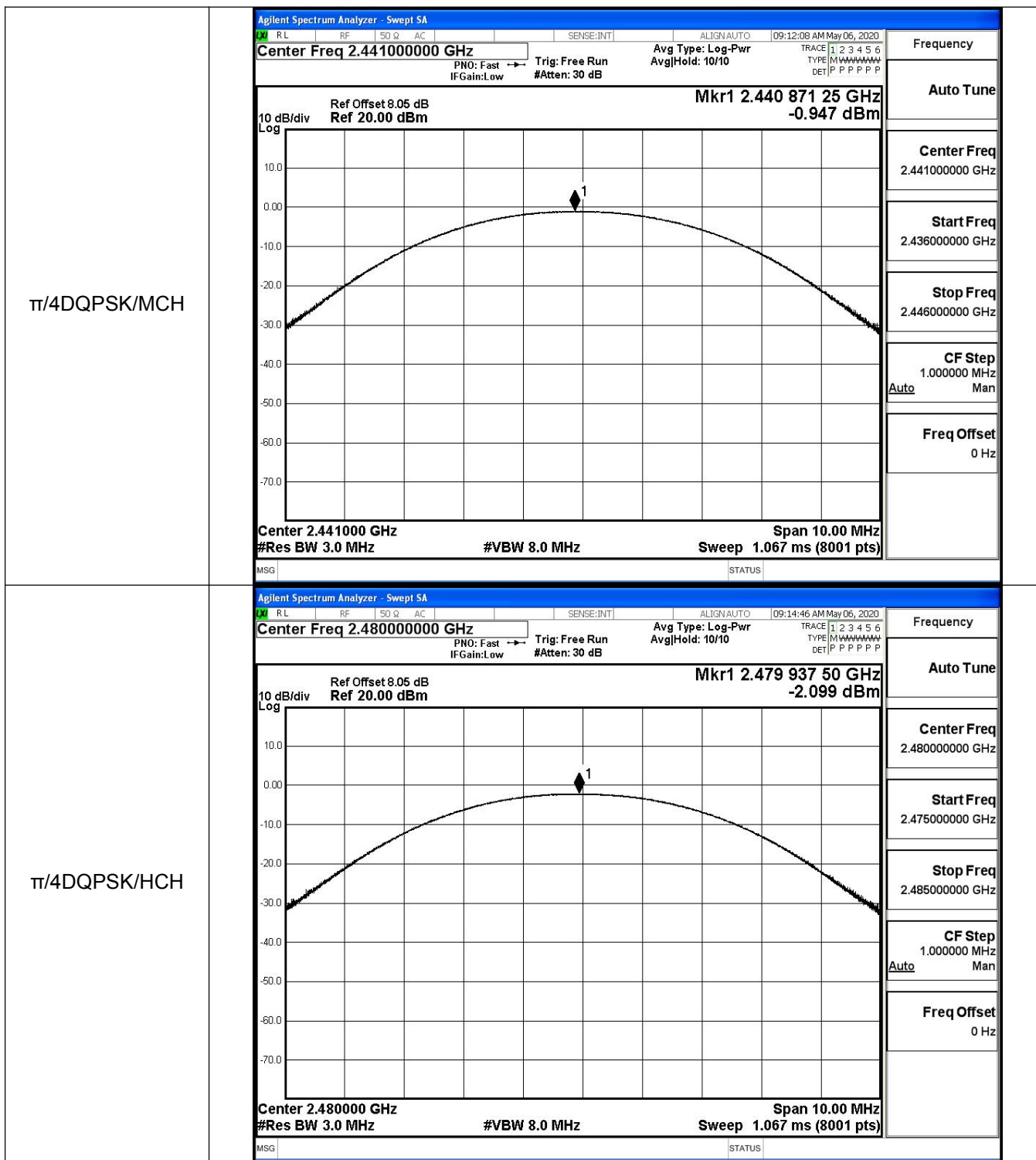


GFSK/MCH

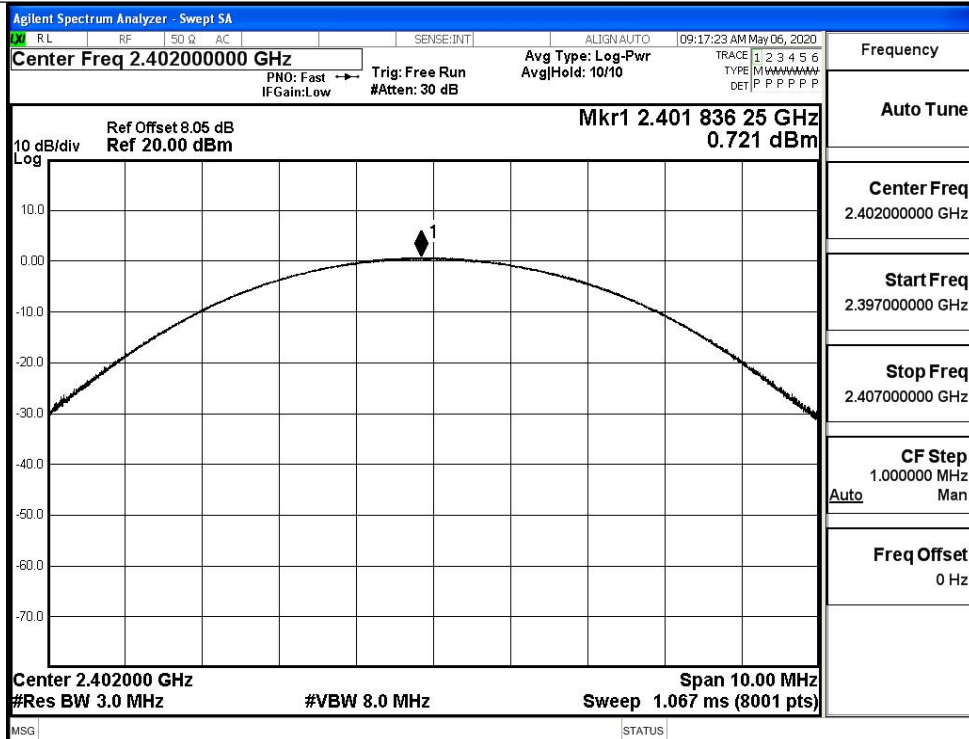


GFSK/HCH

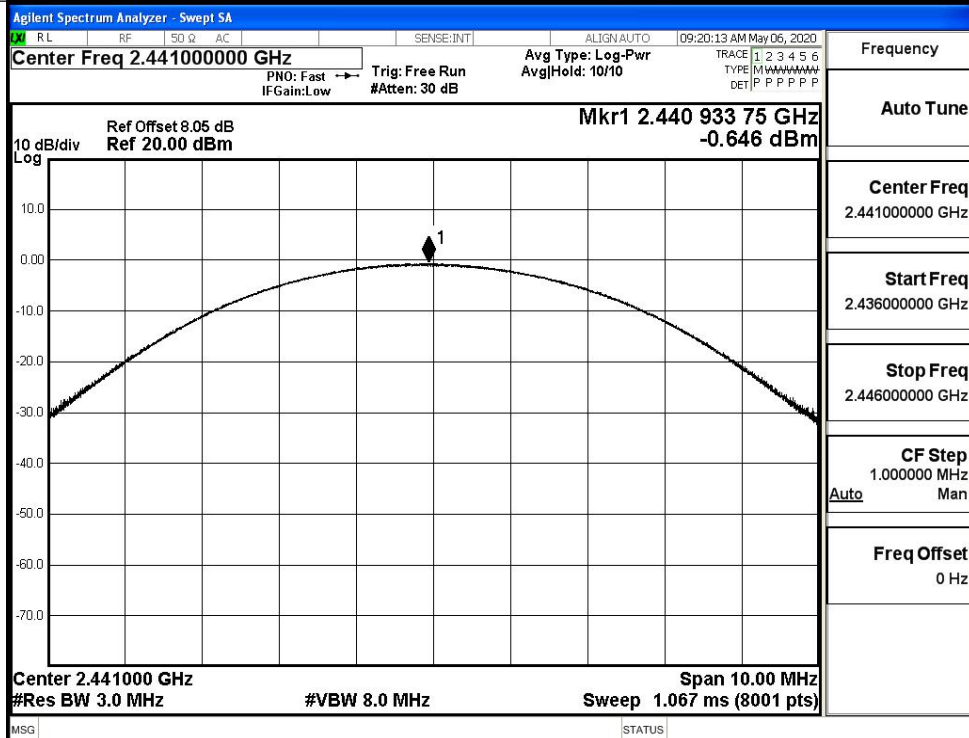
 π /4DQPSK/LCH



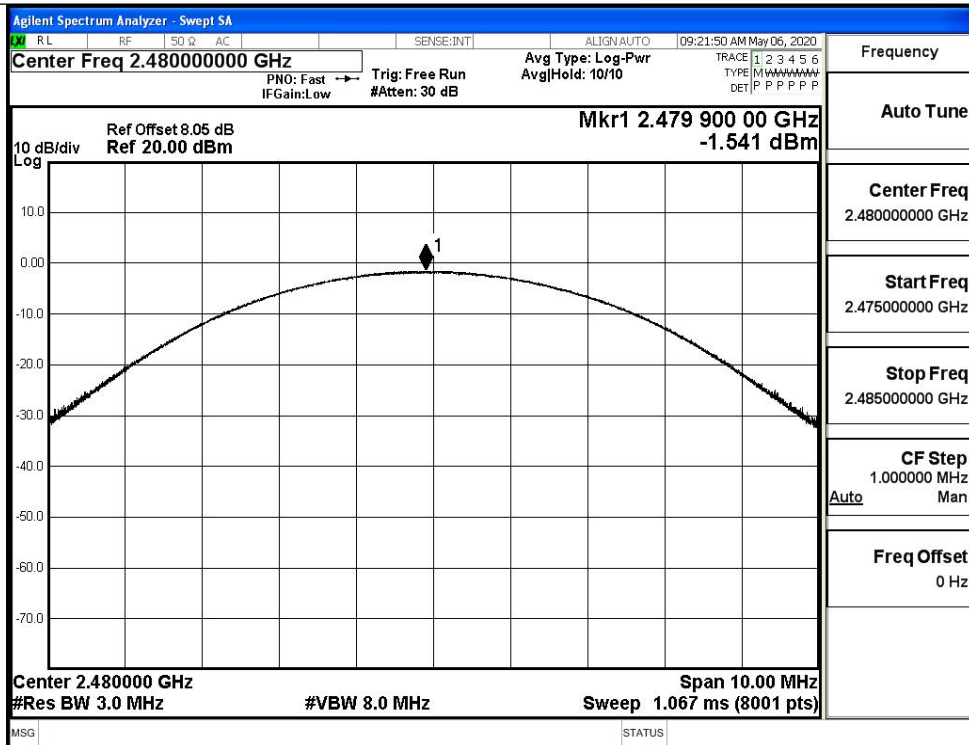
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

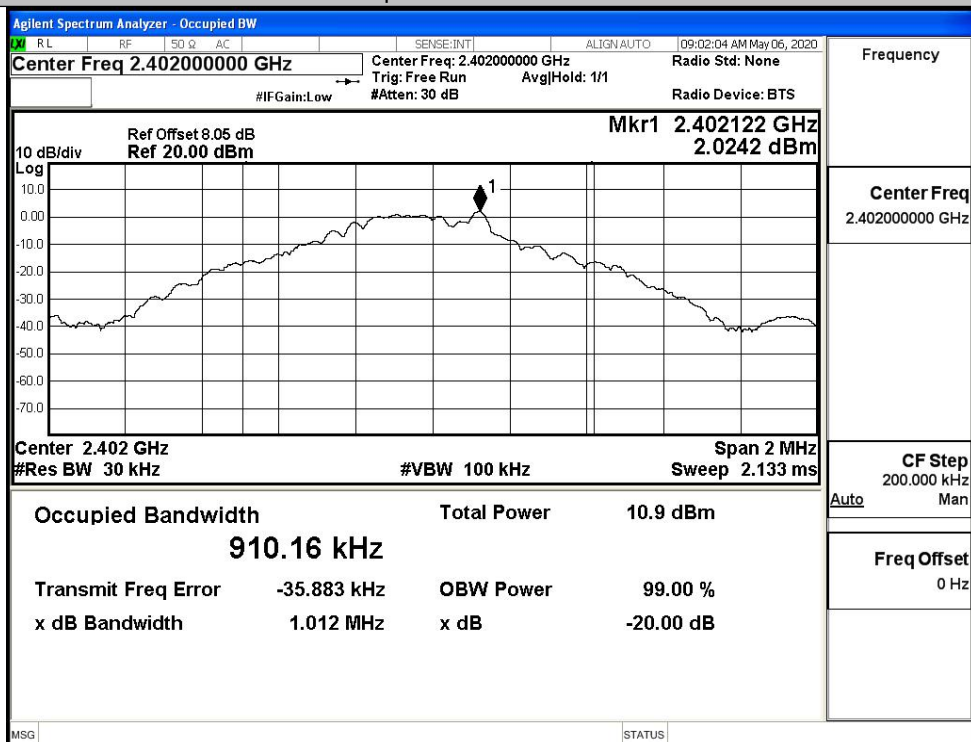


A.2 20dB Bandwidth

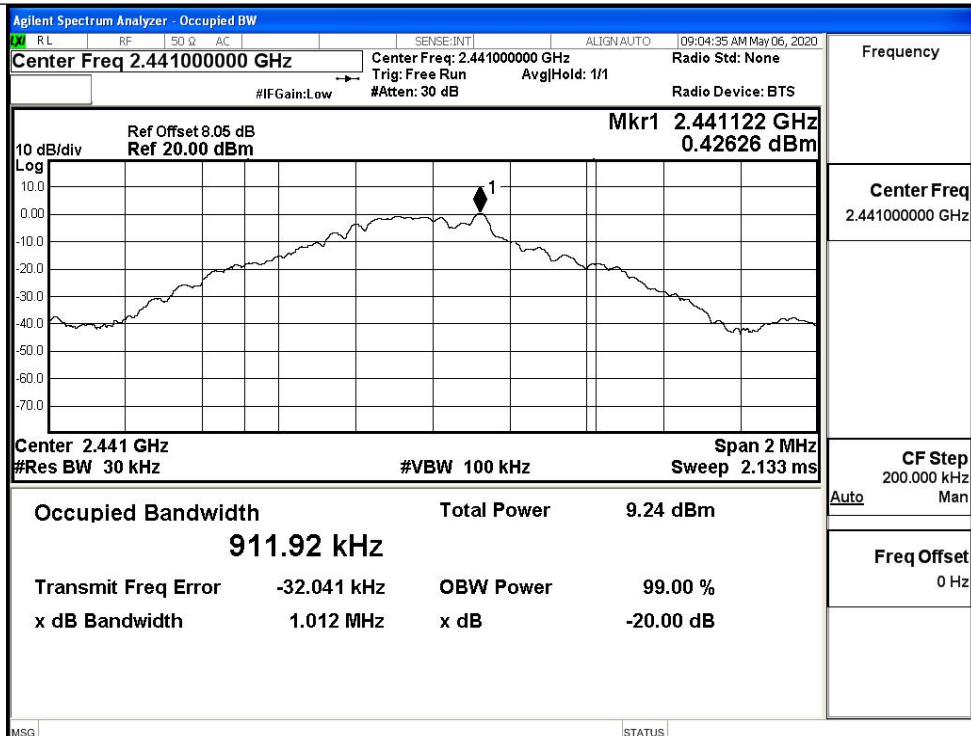
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.012	Not Specified	PASS
	MCH	1.012	Not Specified	PASS
	HCH	1.008	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.358	Not Specified	PASS
	MCH	1.358	Not Specified	PASS
	HCH	1.359	Not Specified	PASS
8DPSK	LCH	1.318	Not Specified	PASS
	MCH	1.317	Not Specified	PASS
	HCH	1.318	Not Specified	PASS

Test Graphs

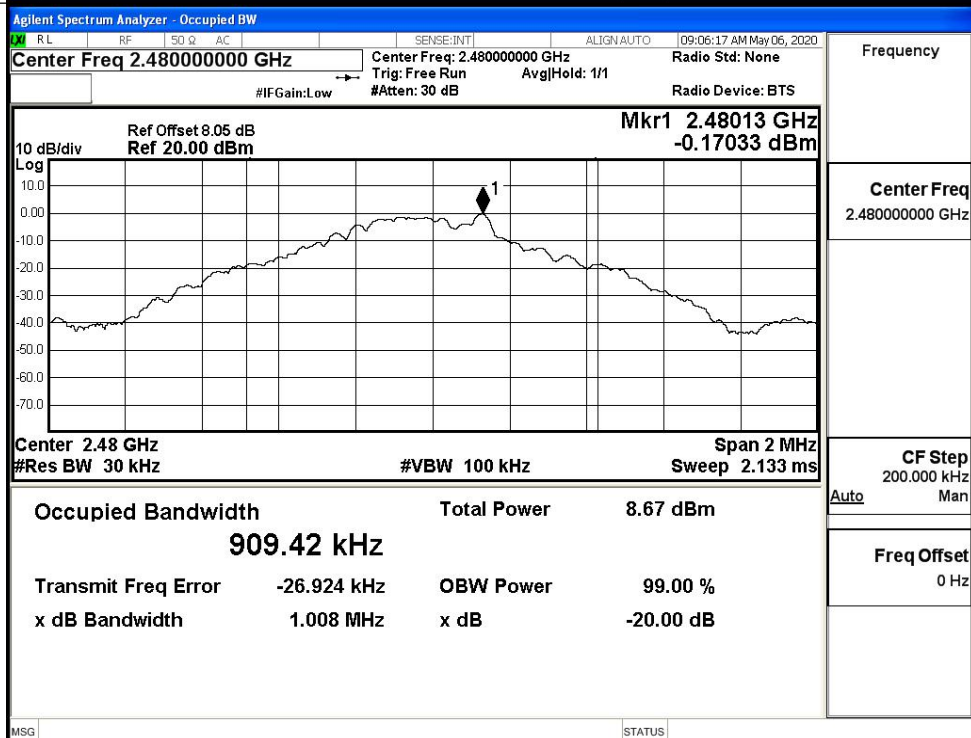
GFSK/LCH

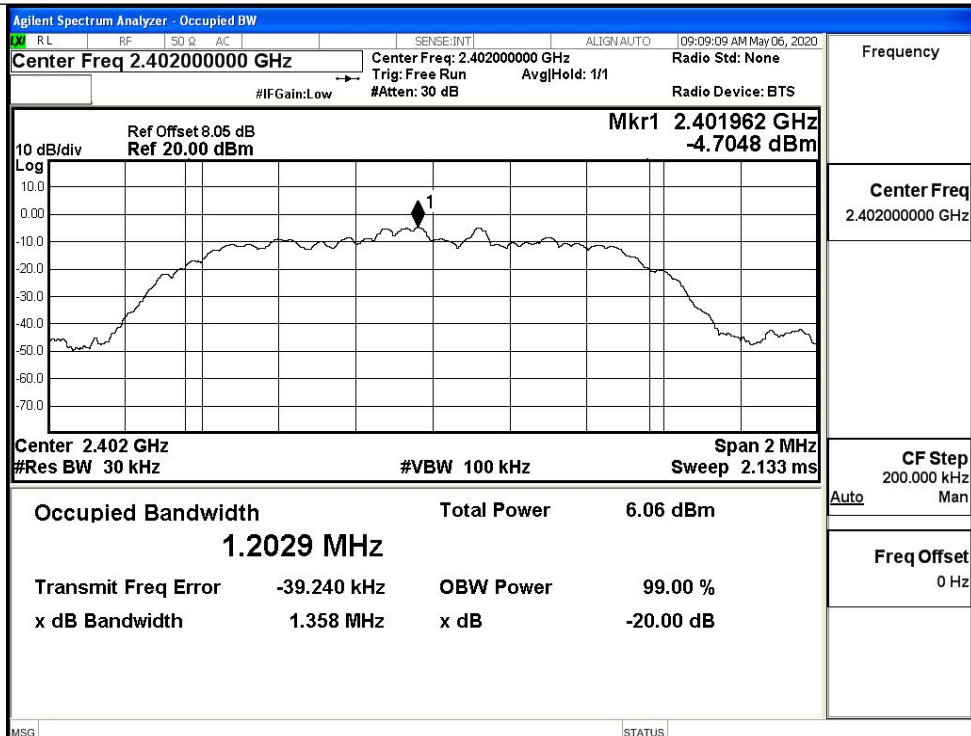
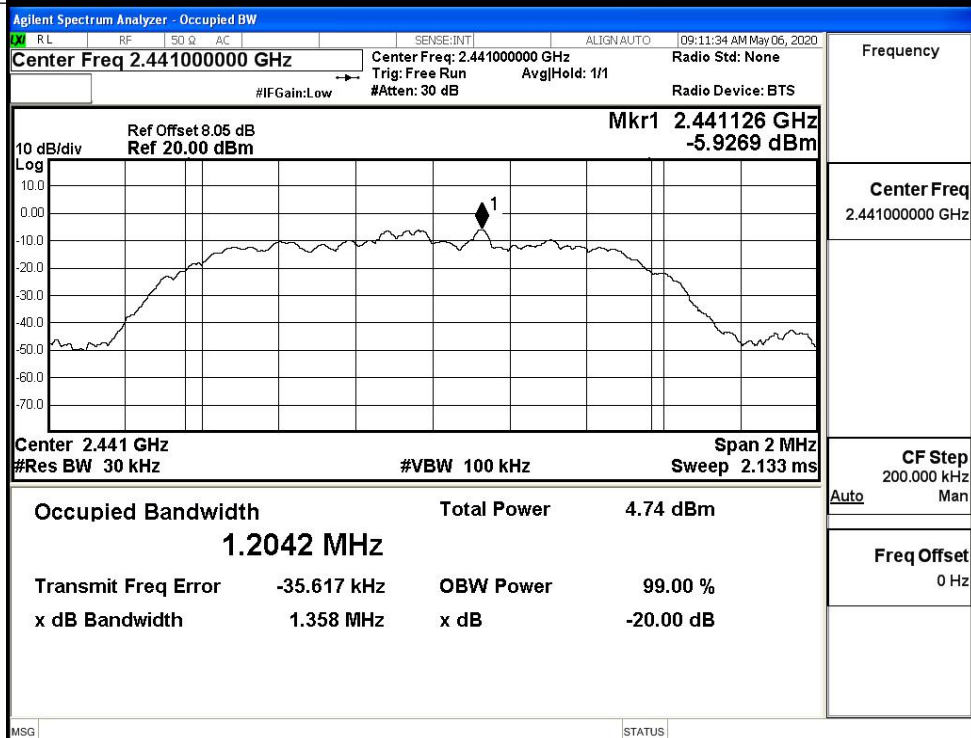


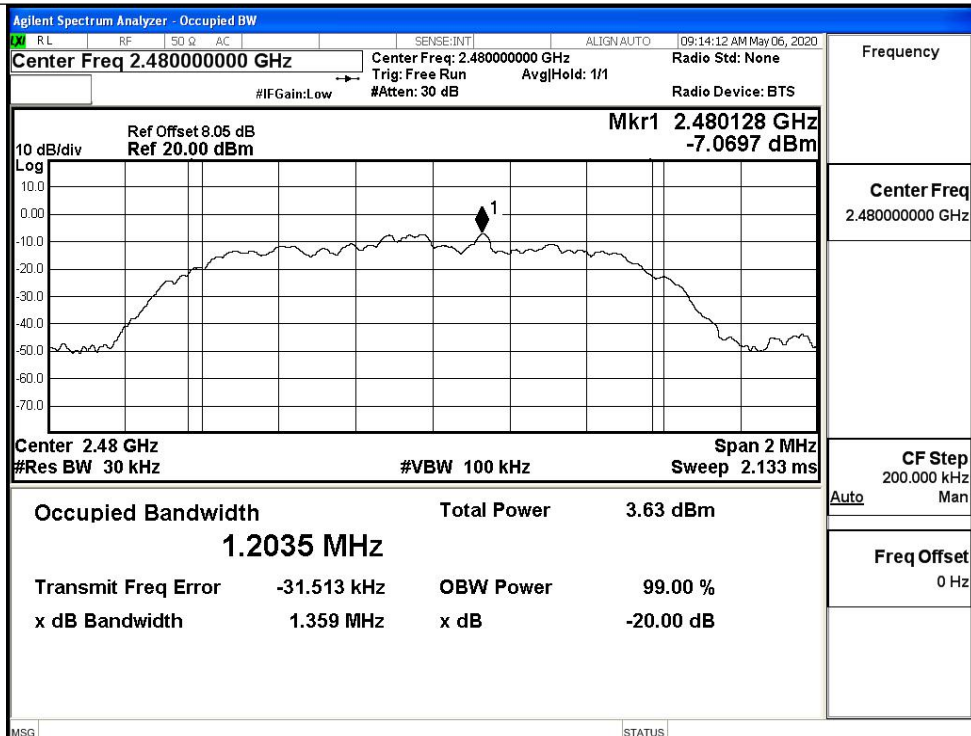
GFSK/MCH



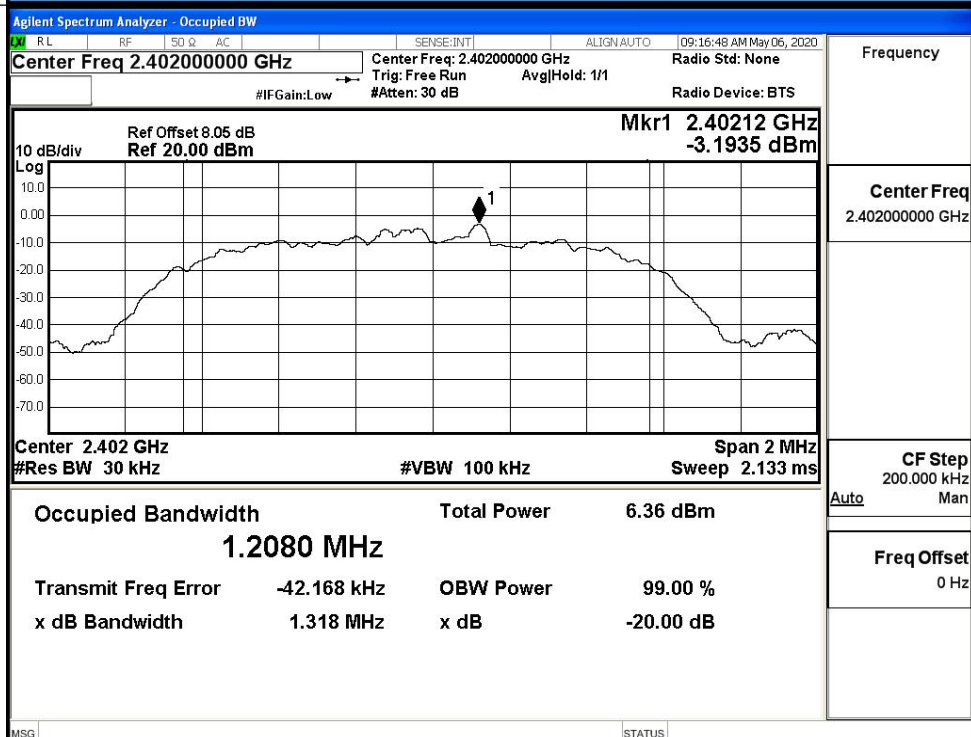
GFSK/HCH



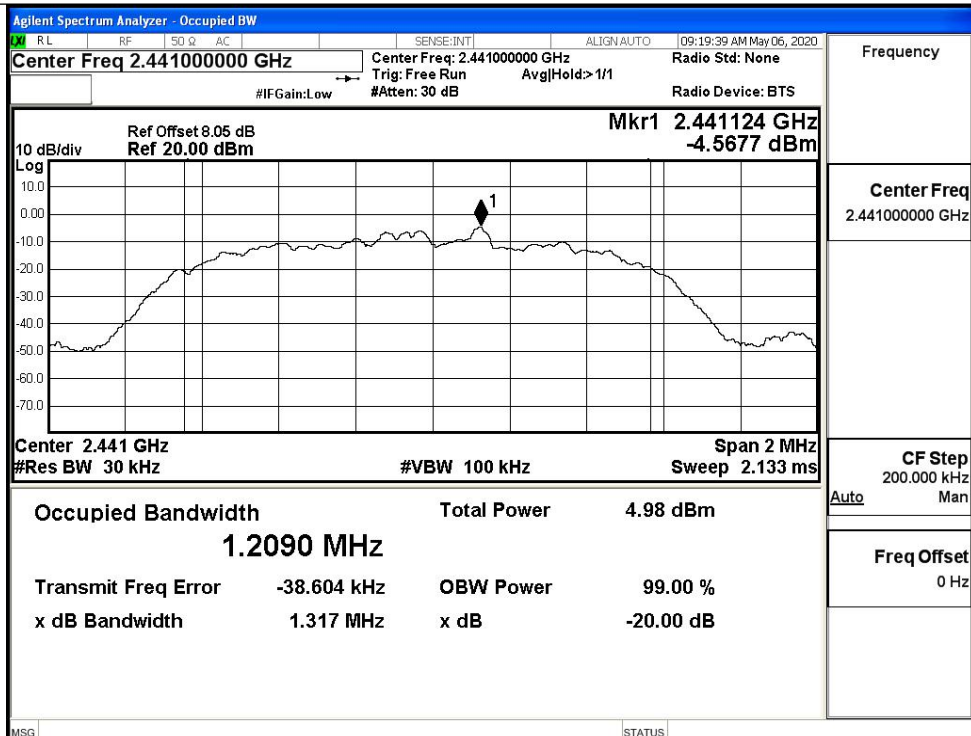
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

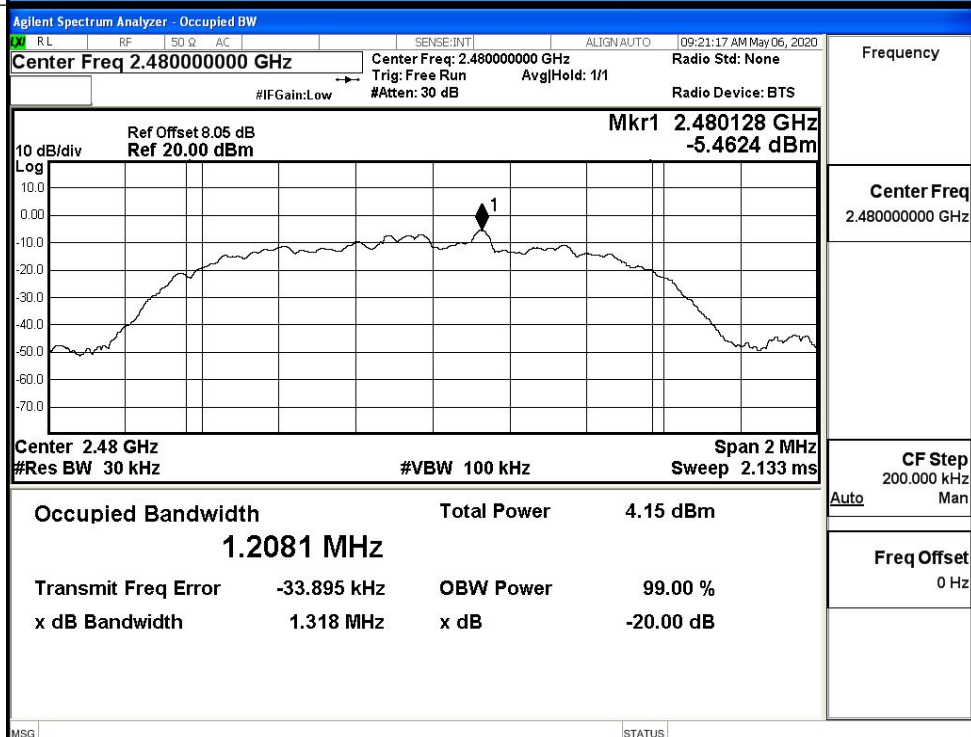
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

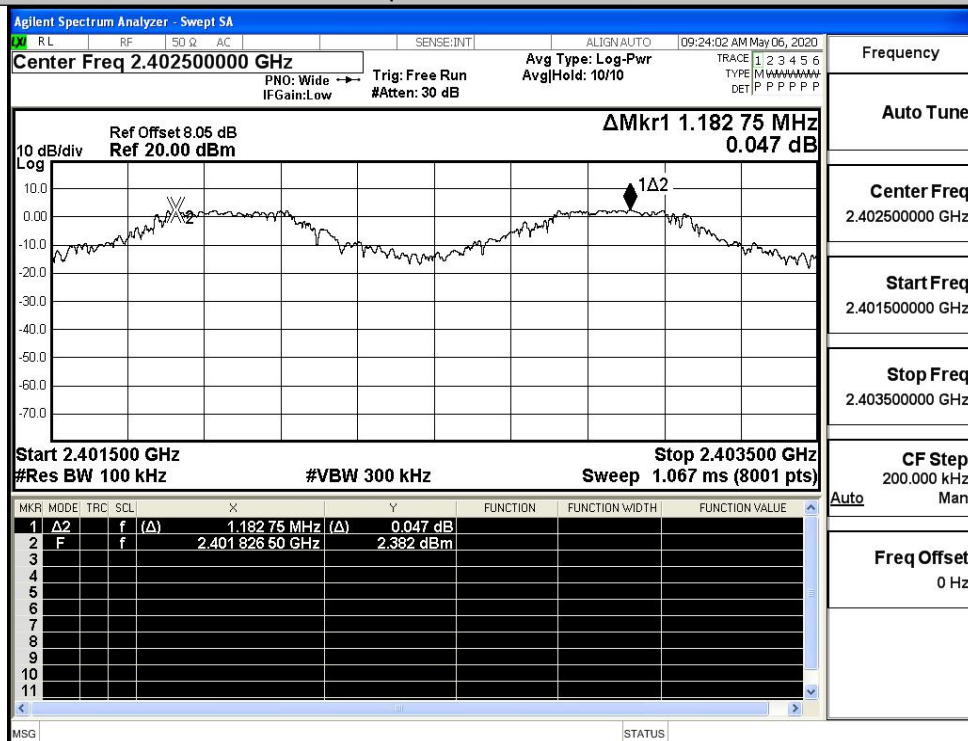


A.3 Carrier Frequency Separation

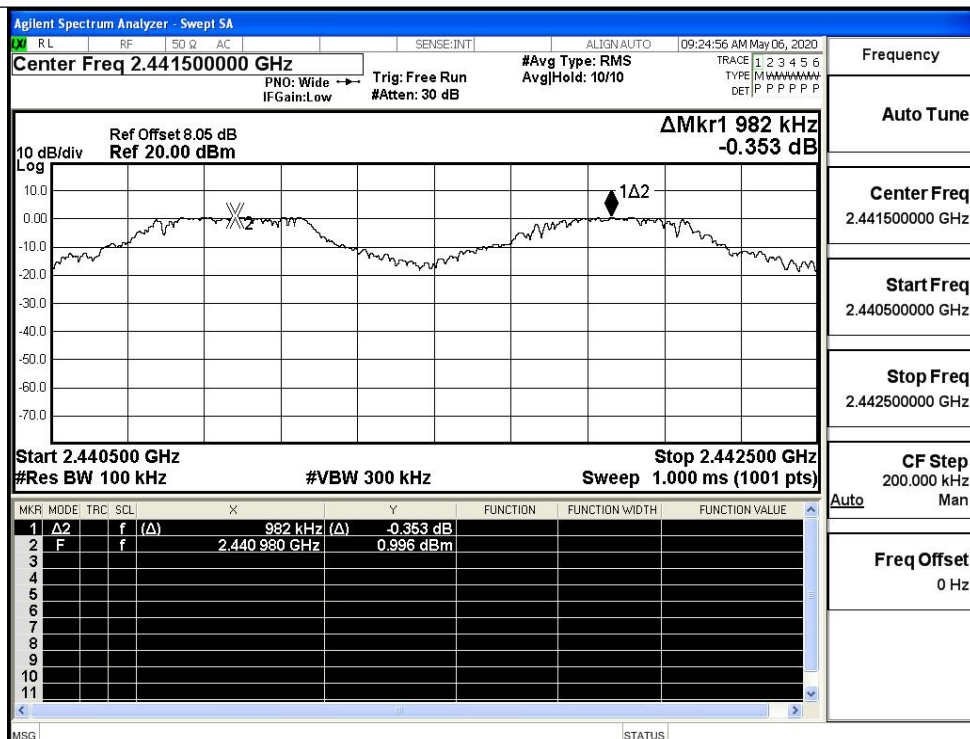
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.183	0.675	PASS
	MCH	0.982	0.675	PASS
	HCH	0.886	0.672	PASS
$\pi/4$ DQPSK	LCH	1.044	0.905	PASS
	MCH	1.006	0.905	PASS
	HCH	1.142	0.906	PASS
8DPSK	LCH	1.158	0.879	PASS
	MCH	0.940	0.878	PASS
	HCH	0.976	0.879	PASS

Test Graphs

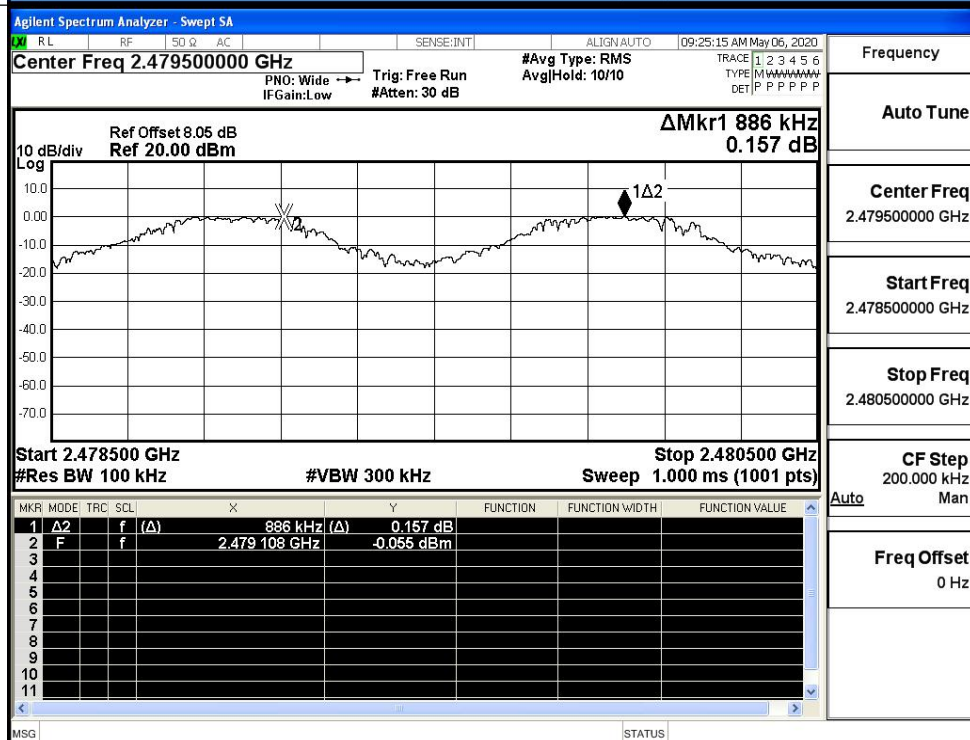
GFSK/LCH

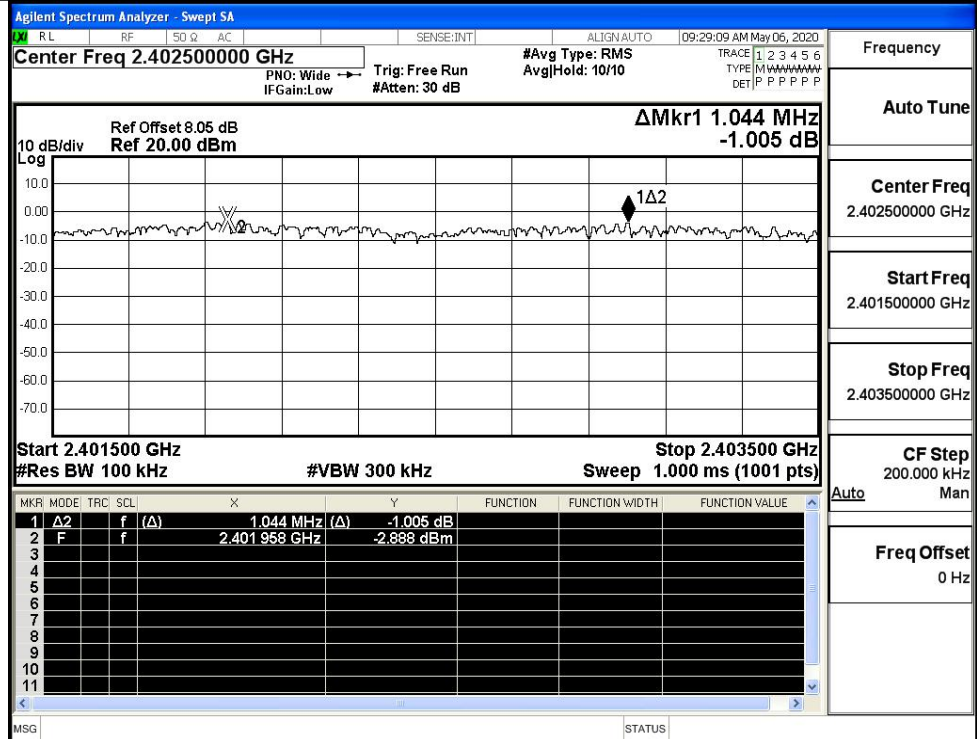
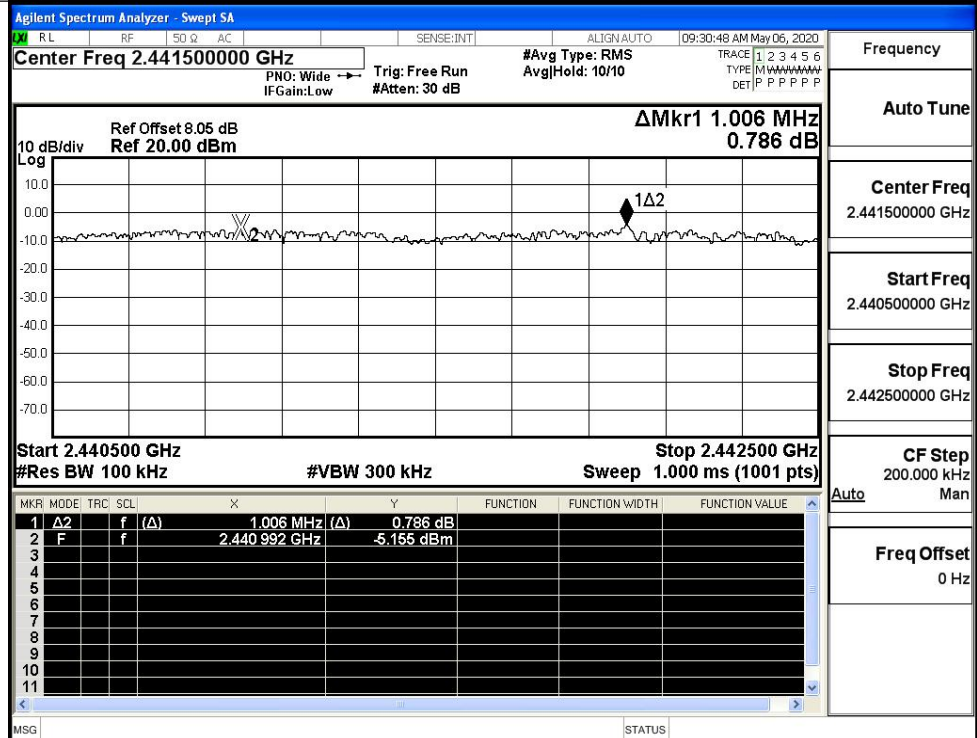


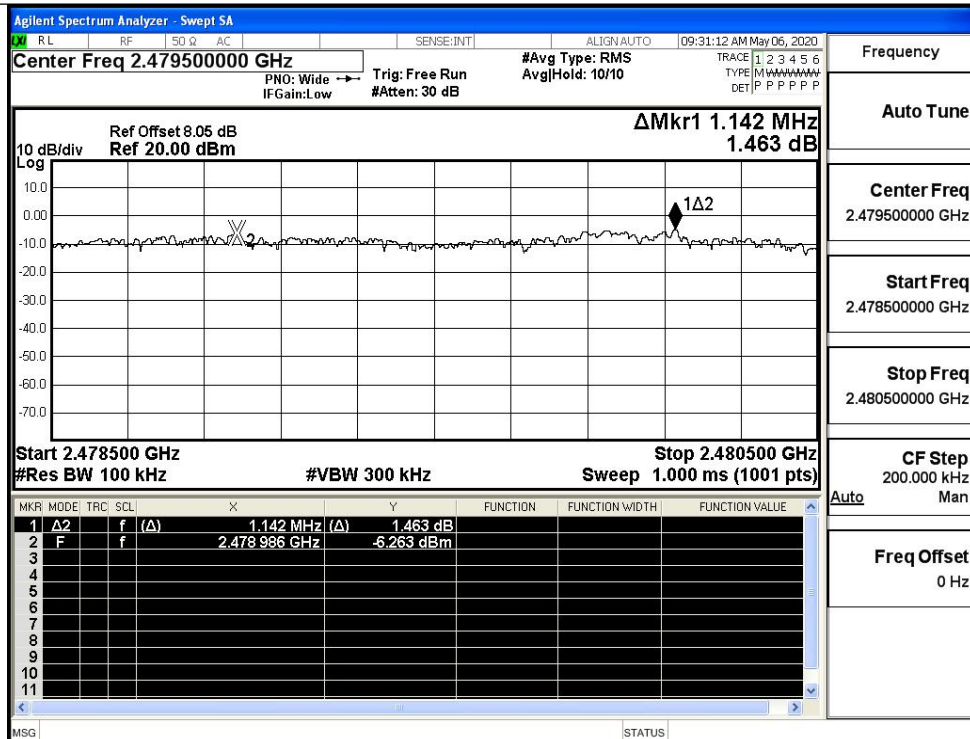
GFSK/MCH



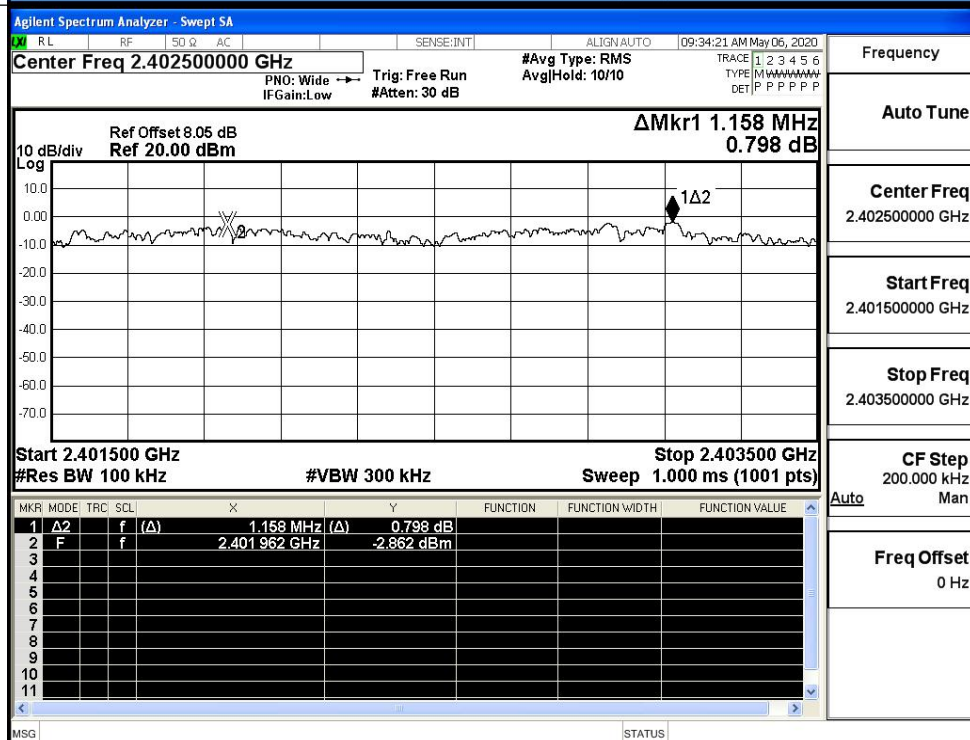
GFSK/HCH

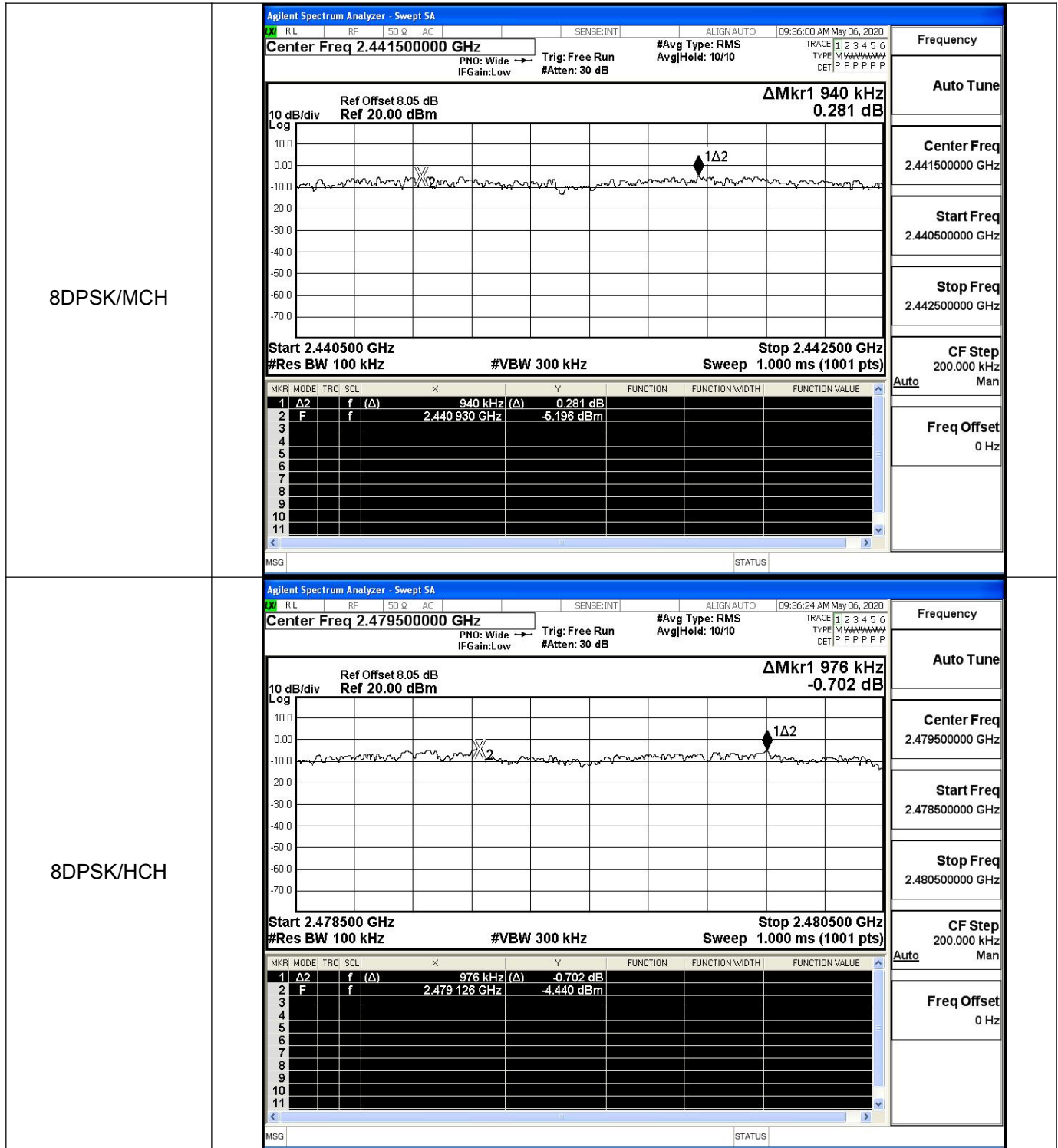


$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

8DPSK/LCH



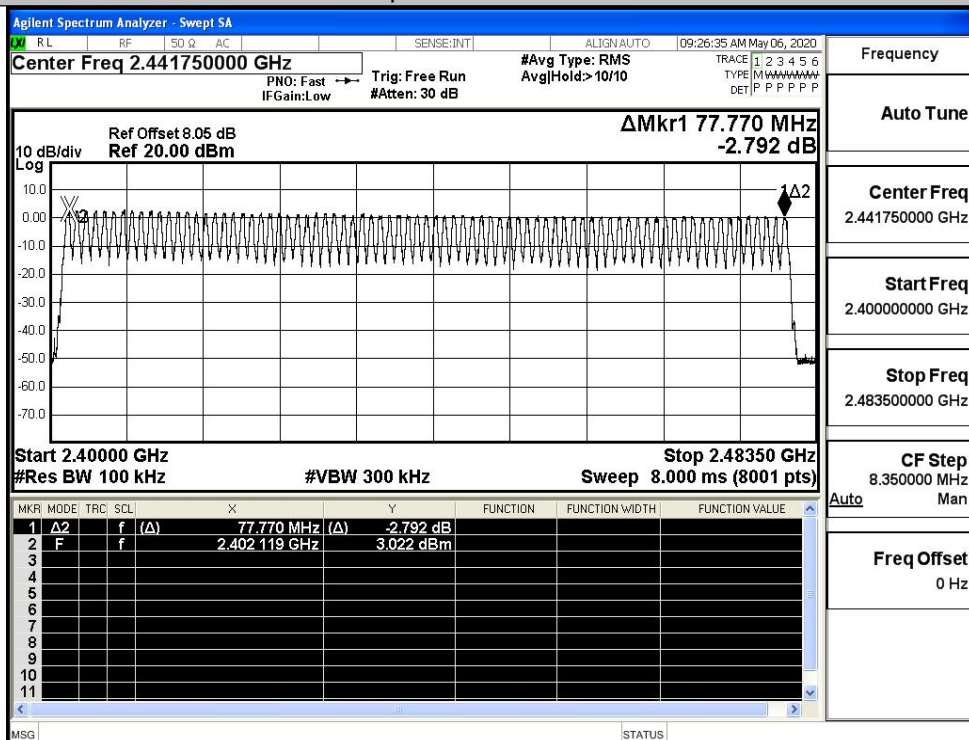


A.4 Hopping Channel Number

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

Test Graphs

GFSK/Hop

 $\pi/4$ DQPSK/Hop