

Appendix A

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

Product Name: ALL IN ONE

Trade Mark: N/A

Test Model: GEO-080R5B250C700-I-MBVM-PG020-AT

Environmental Conditions

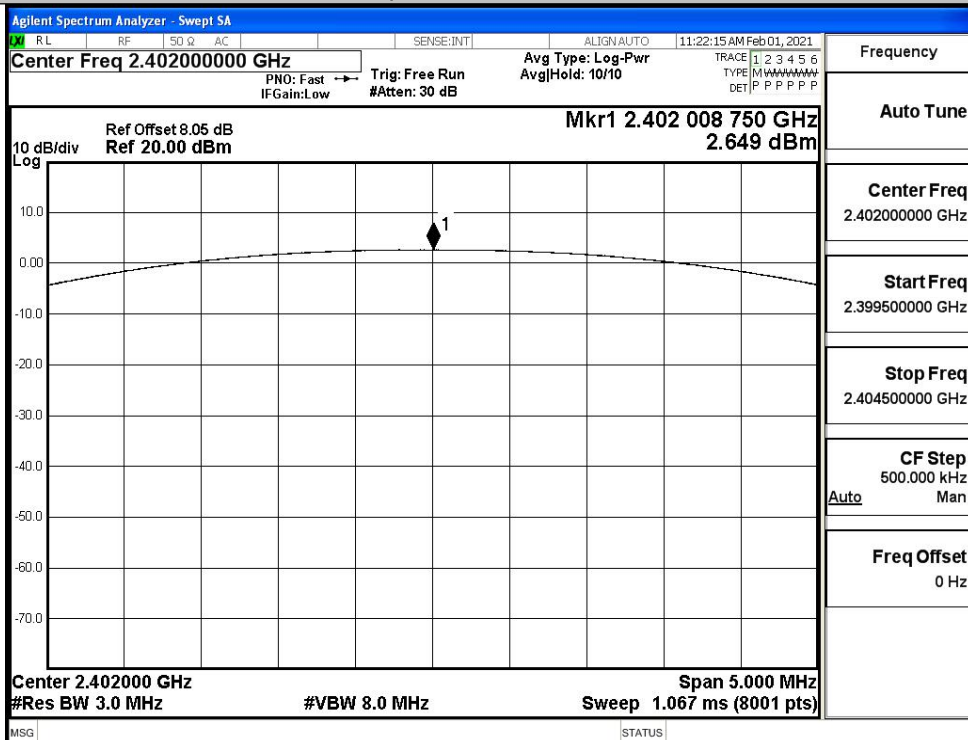
Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

A.1 Maximum Conducted Peak Output Power

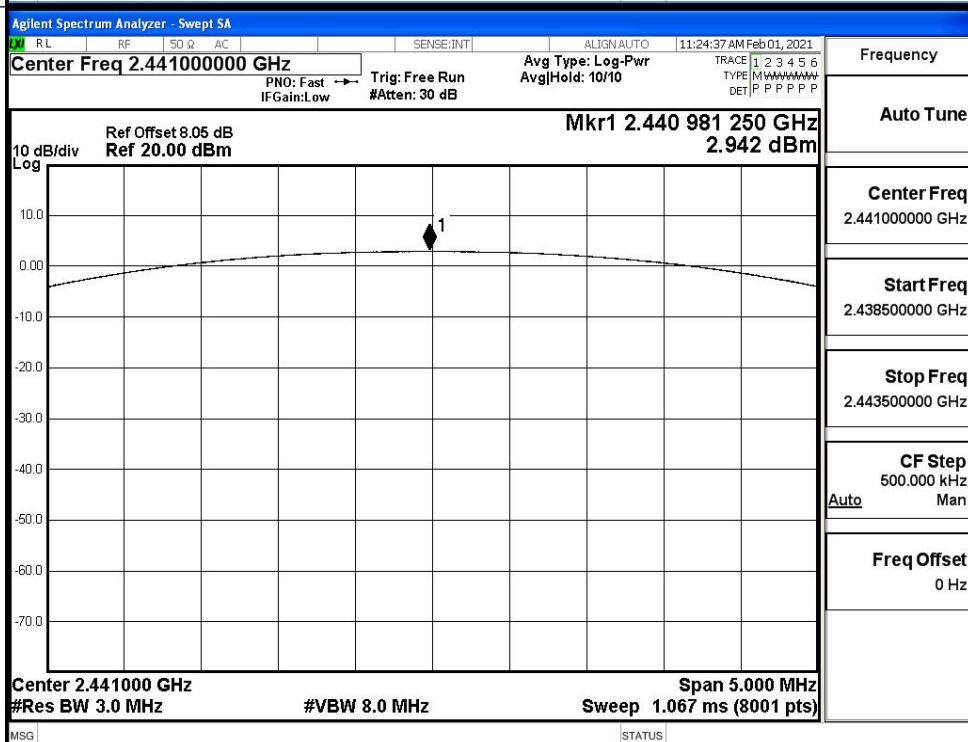
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2.649	21	PASS
	MCH	2.942	21	PASS
	HCH	2.822	21	PASS
$\pi/4$ DQPSK	LCH	4.787	21	PASS
	MCH	5.067	21	PASS
	HCH	4.971	21	PASS
8DPSK	LCH	5.094	21	PASS
	MCH	5.256	21	PASS
	HCH	5.159	21	PASS

Test Graphs

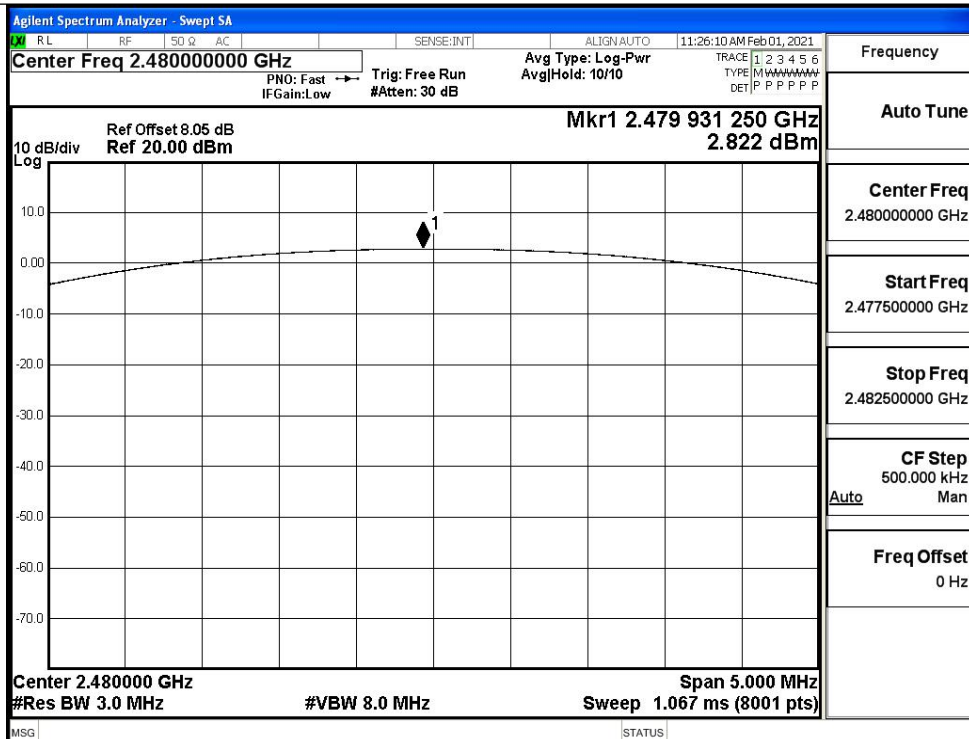
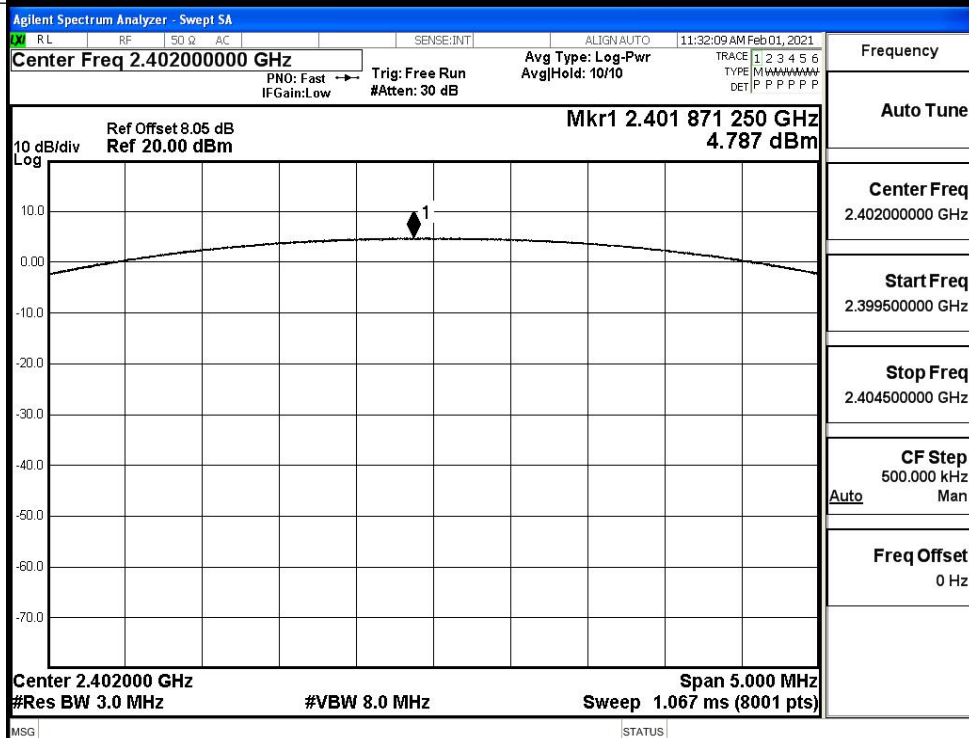
GFSK/LCH

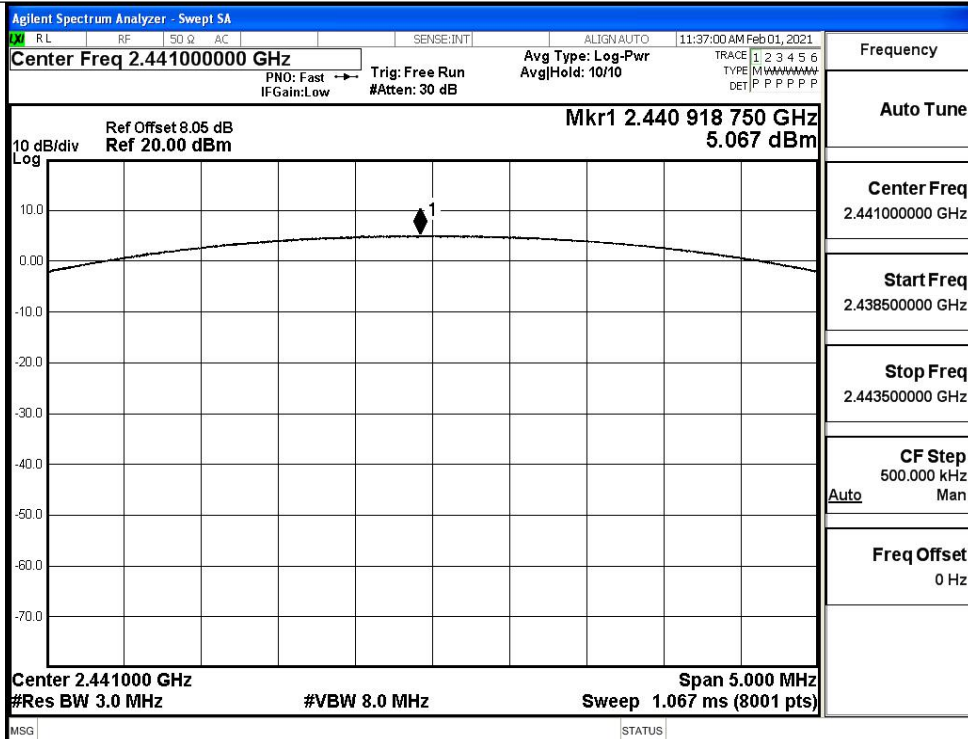
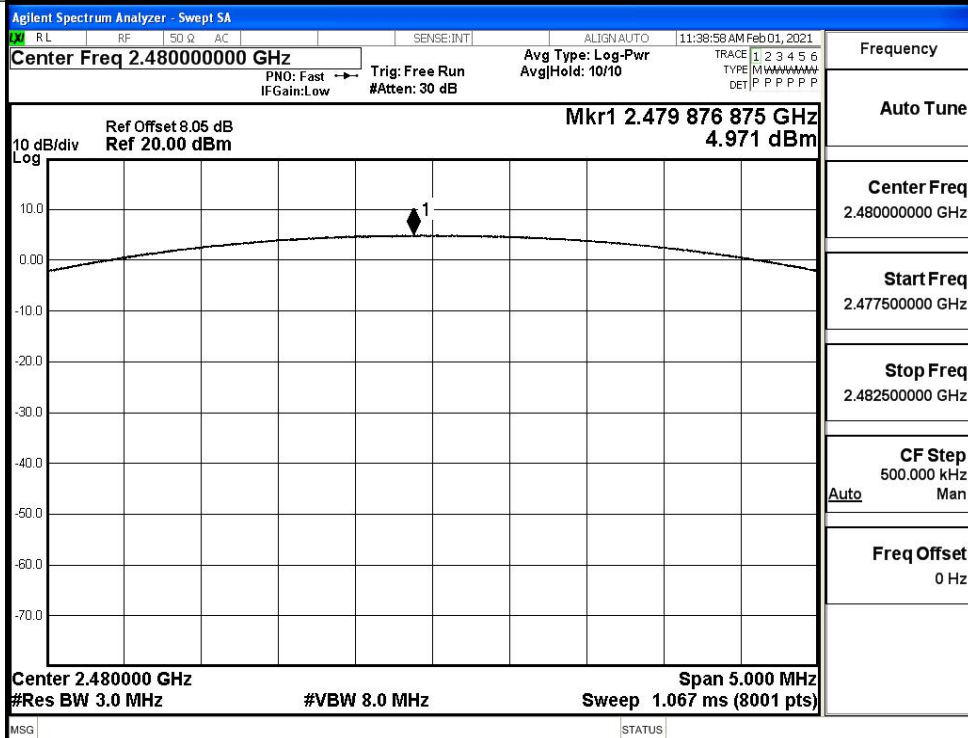


GFSK/MCH

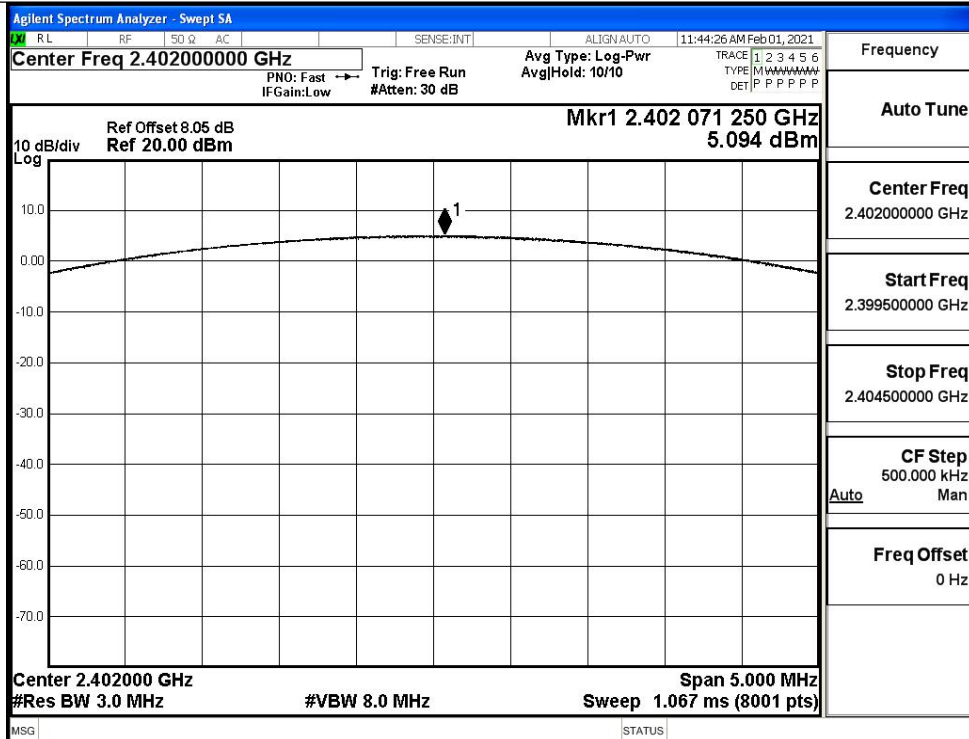


GFSK/HCH

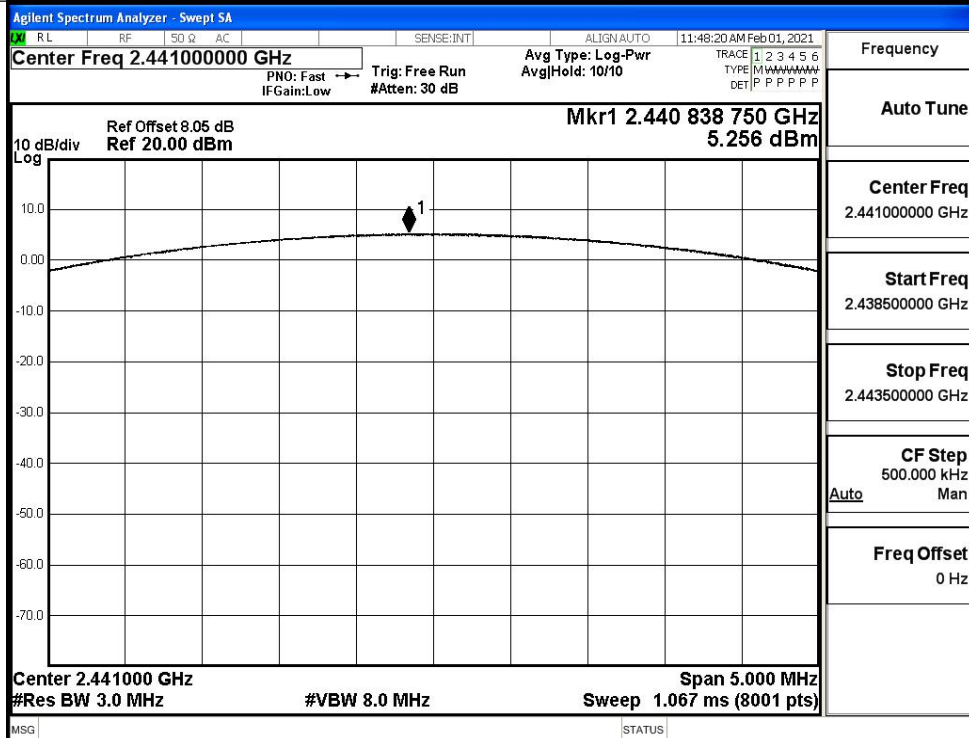
 π /4DQPSK/LCH

$\pi/4$ DQPSK/MCH $\pi/4$ DQPSK/HCH

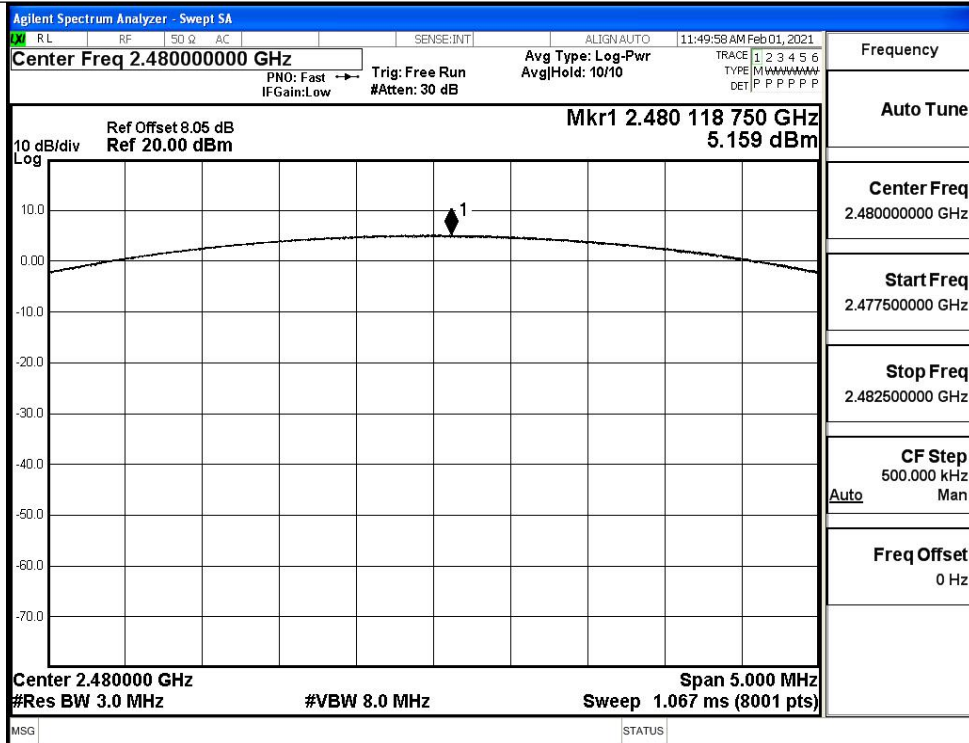
8DPSK/LCH



8DPSK/MCH



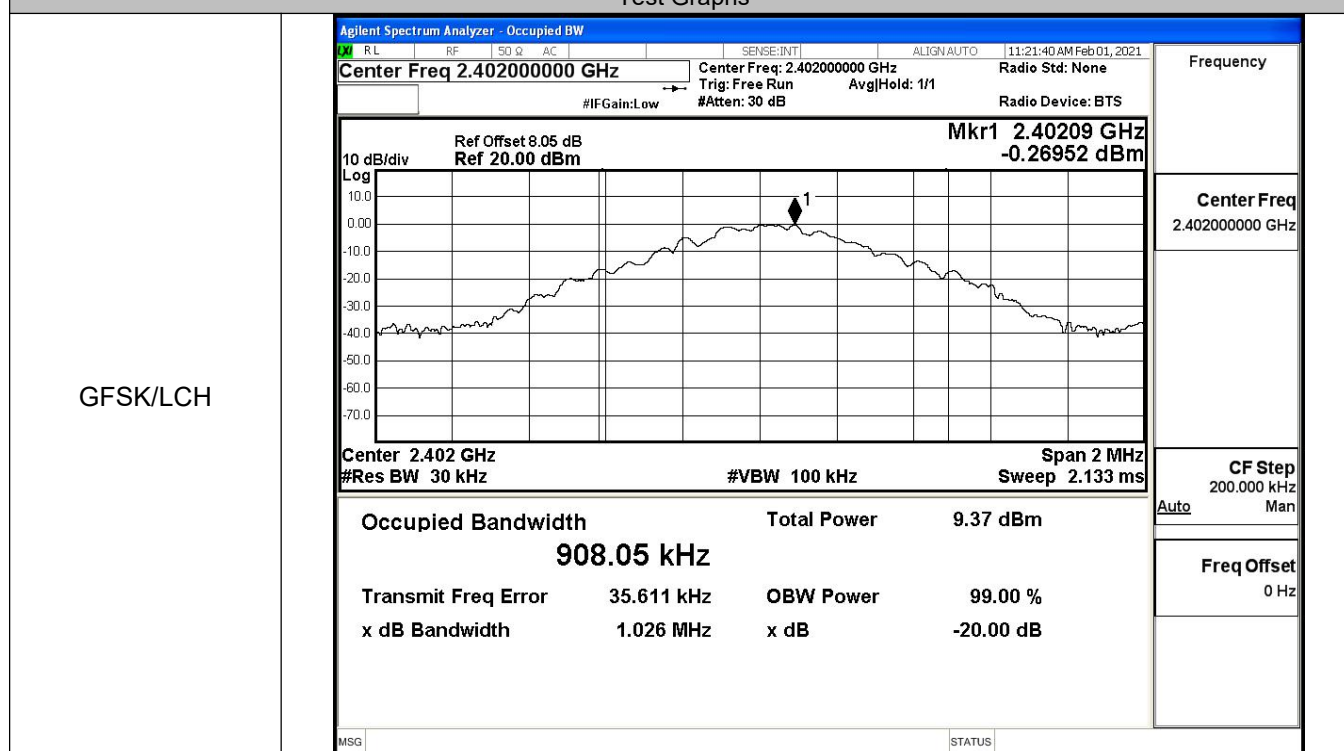
8DPSK/HCH



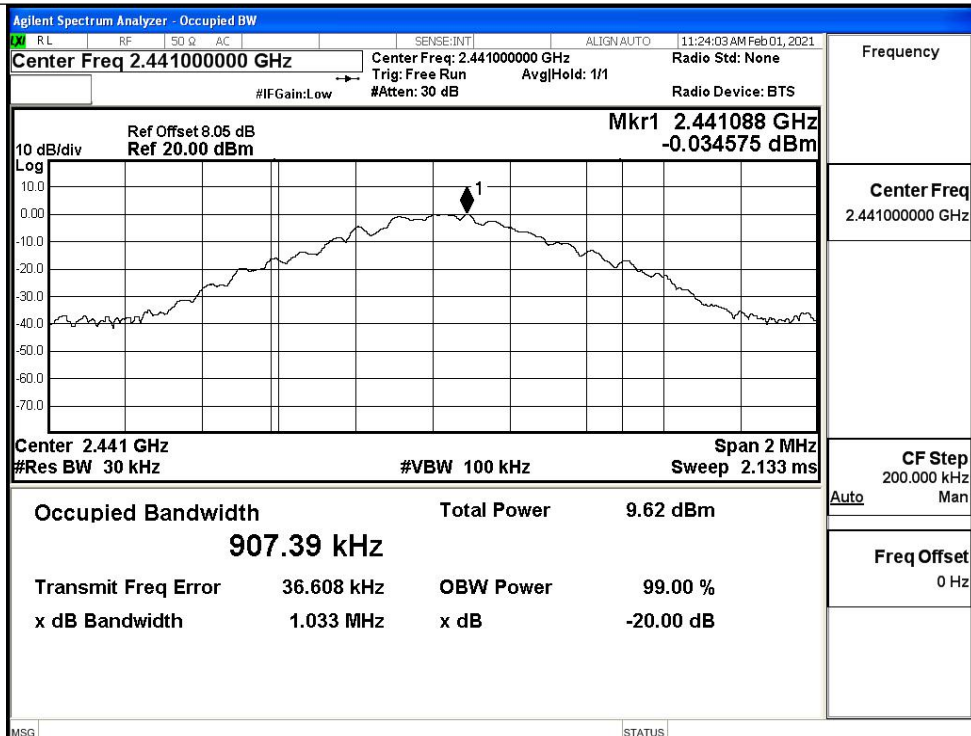
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.026	Not Specified	PASS
	MCH	1.033	Not Specified	PASS
	HCH	1.032	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.366	Not Specified	PASS
	MCH	1.366	Not Specified	PASS
	HCH	1.368	Not Specified	PASS
8DPSK	LCH	1.347	Not Specified	PASS
	MCH	1.347	Not Specified	PASS
	HCH	1.349	Not Specified	PASS

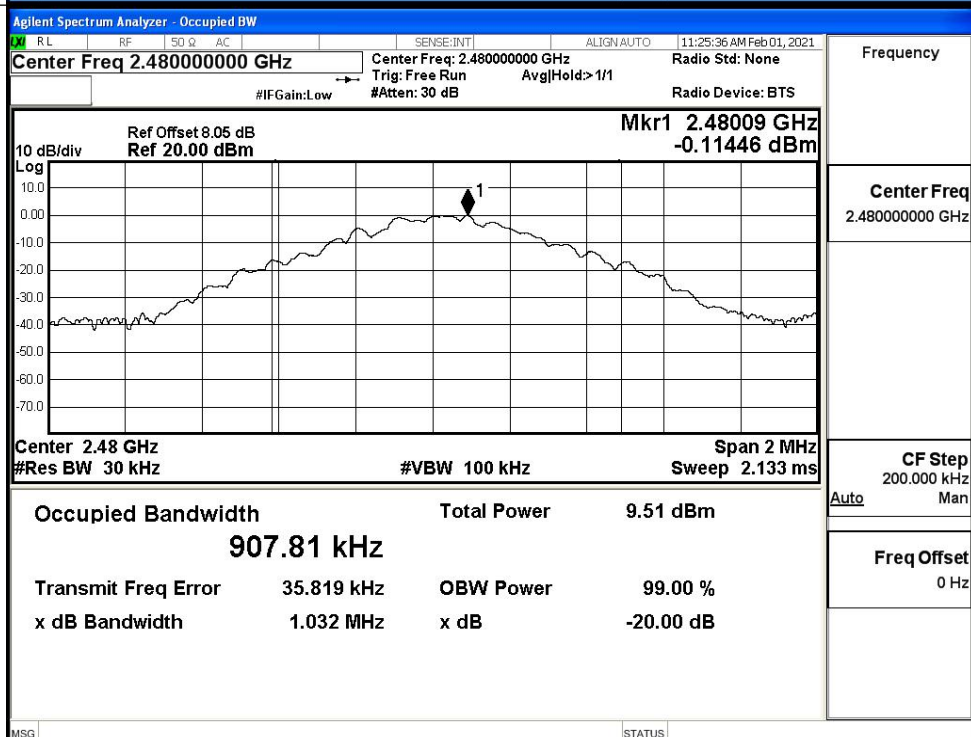
Test Graphs

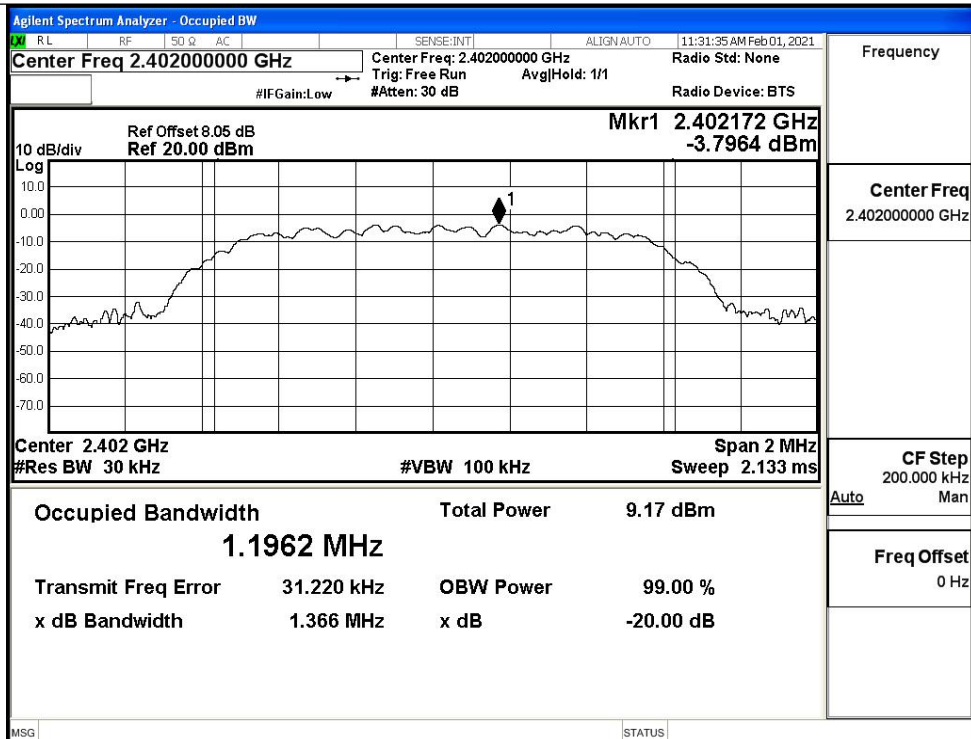
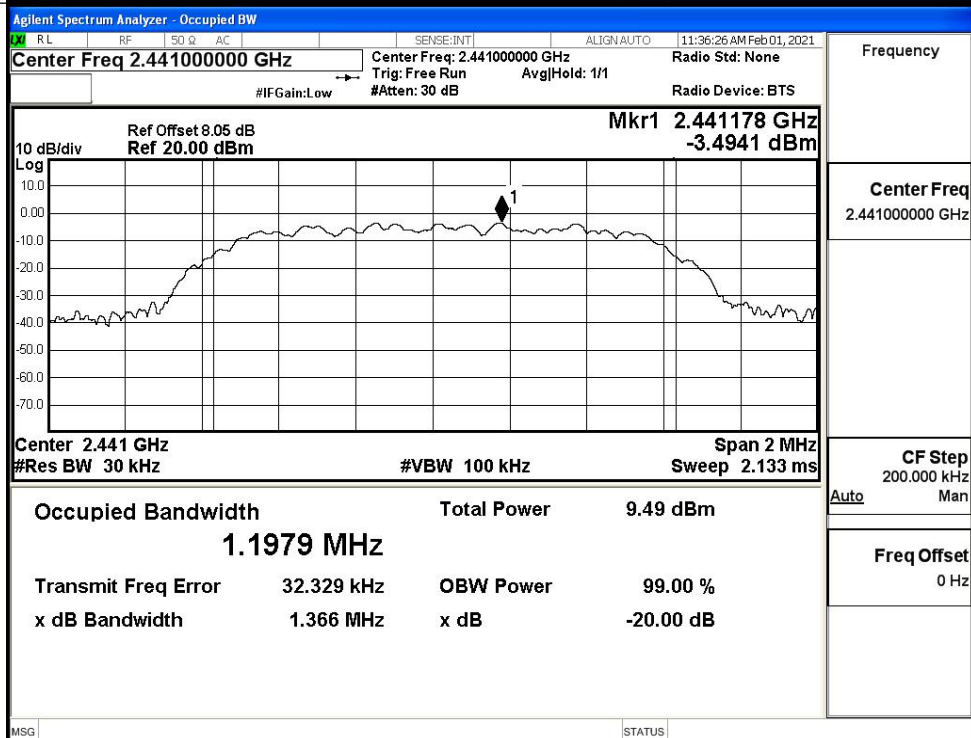


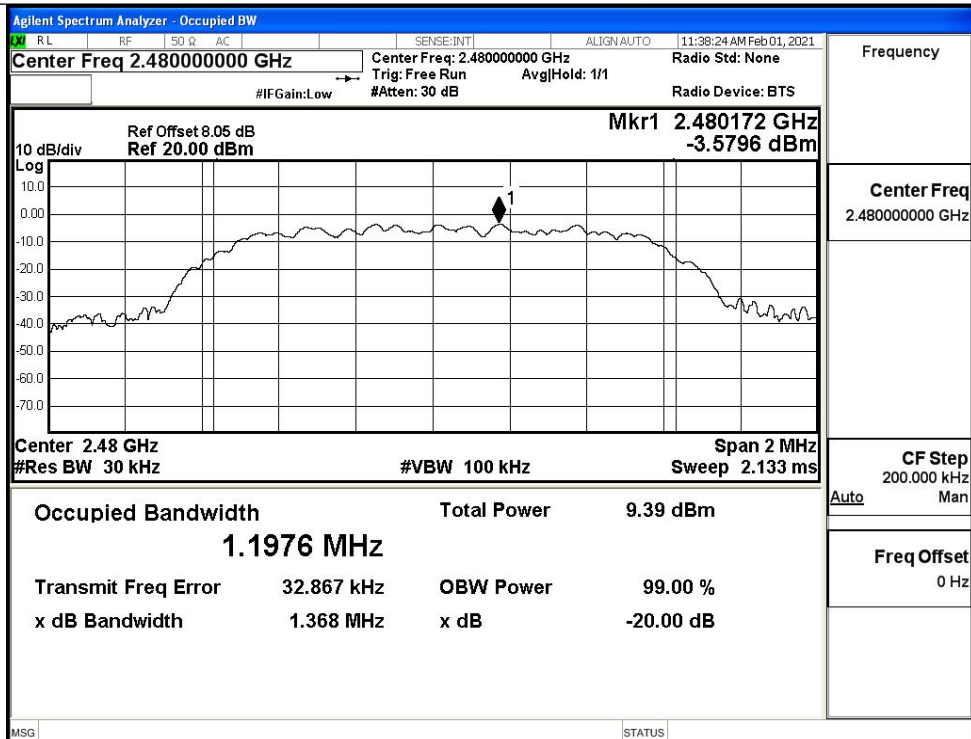
GFSK/MCH



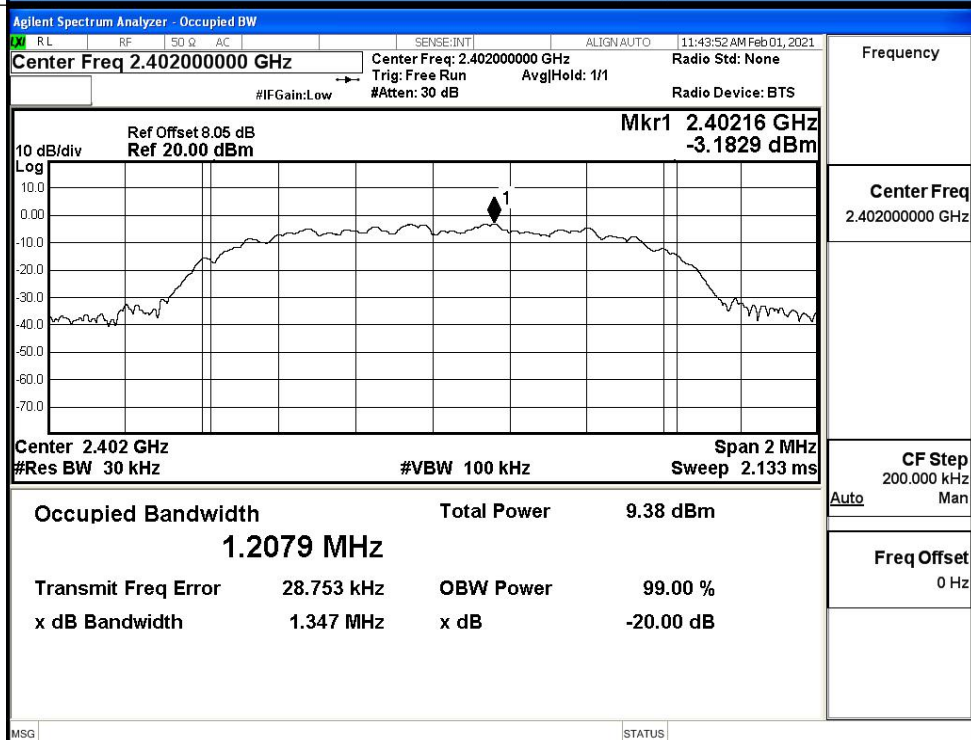
GFSK/HCH



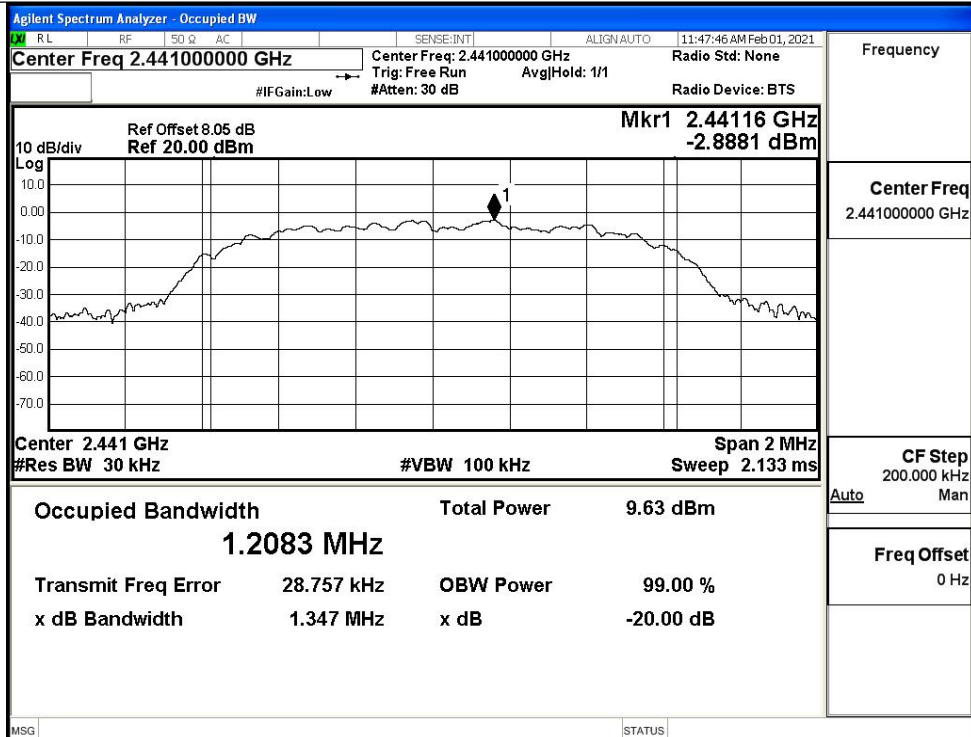
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

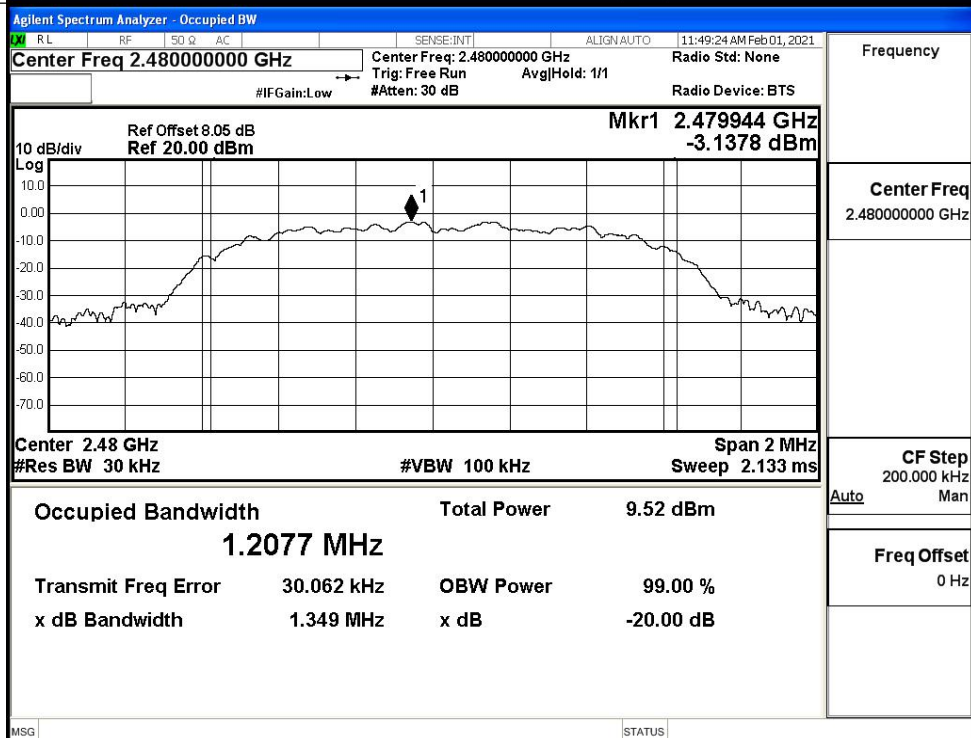
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH



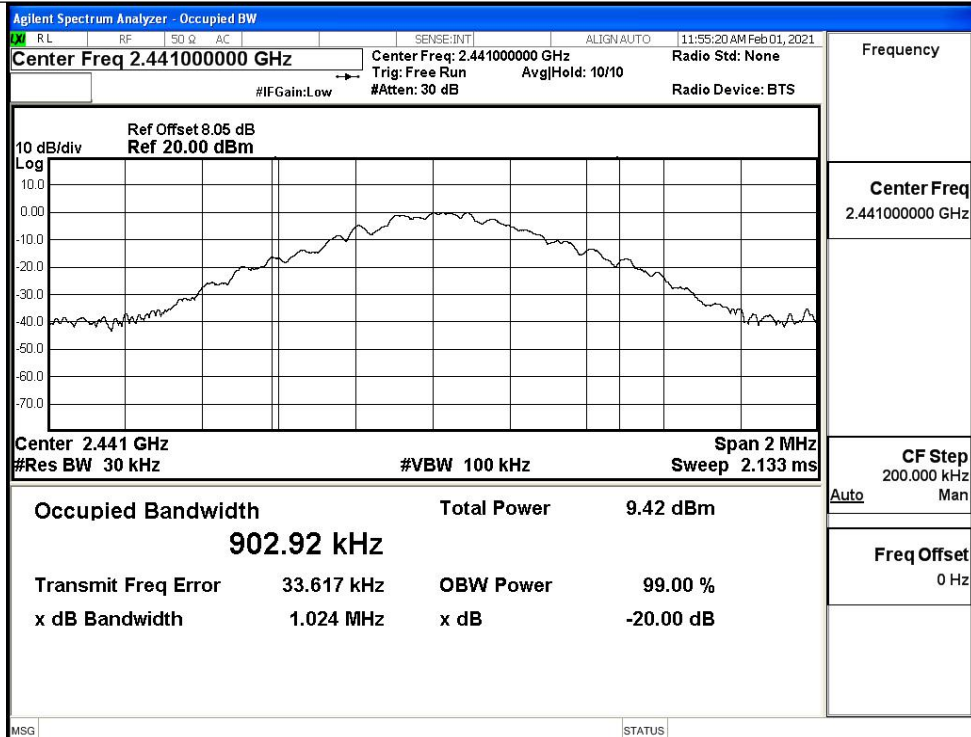
A.3 Occupied Bandwidth

Mode	Channel.	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.90296	Not Specified	PASS
	MCH	0.90292	Not Specified	PASS
	HCH	0.90416	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.1941	Not Specified	PASS
	MCH	1.1953	Not Specified	PASS
	HCH	1.1948	Not Specified	PASS
8DPSK	LCH	1.2045	Not Specified	PASS
	MCH	1.2051	Not Specified	PASS
	HCH	1.2064	Not Specified	PASS

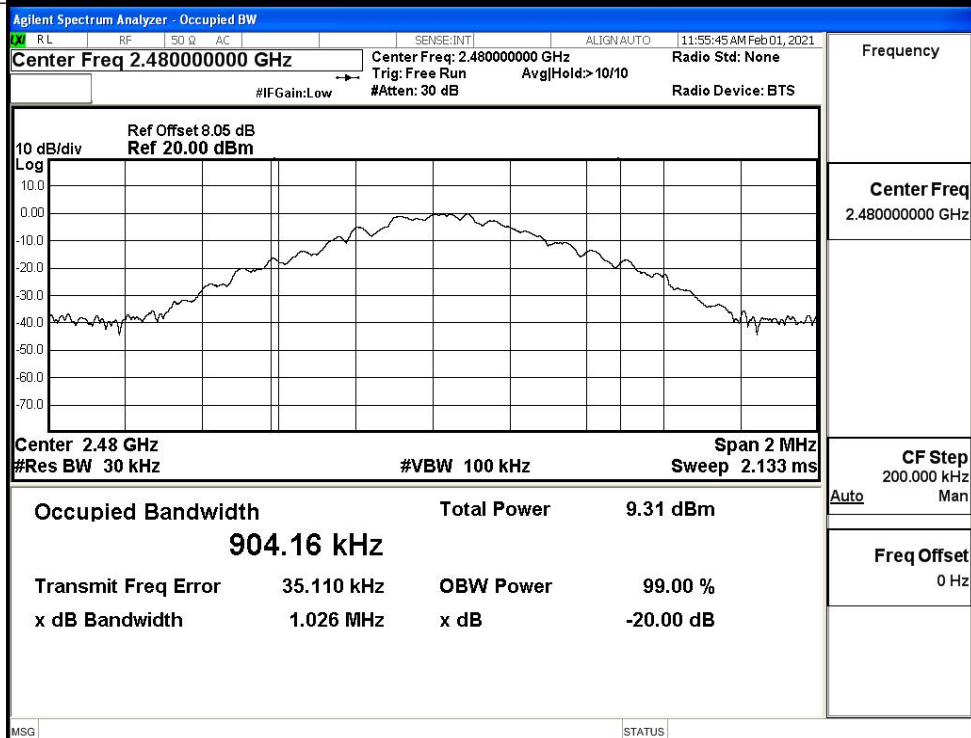
Test Graphs

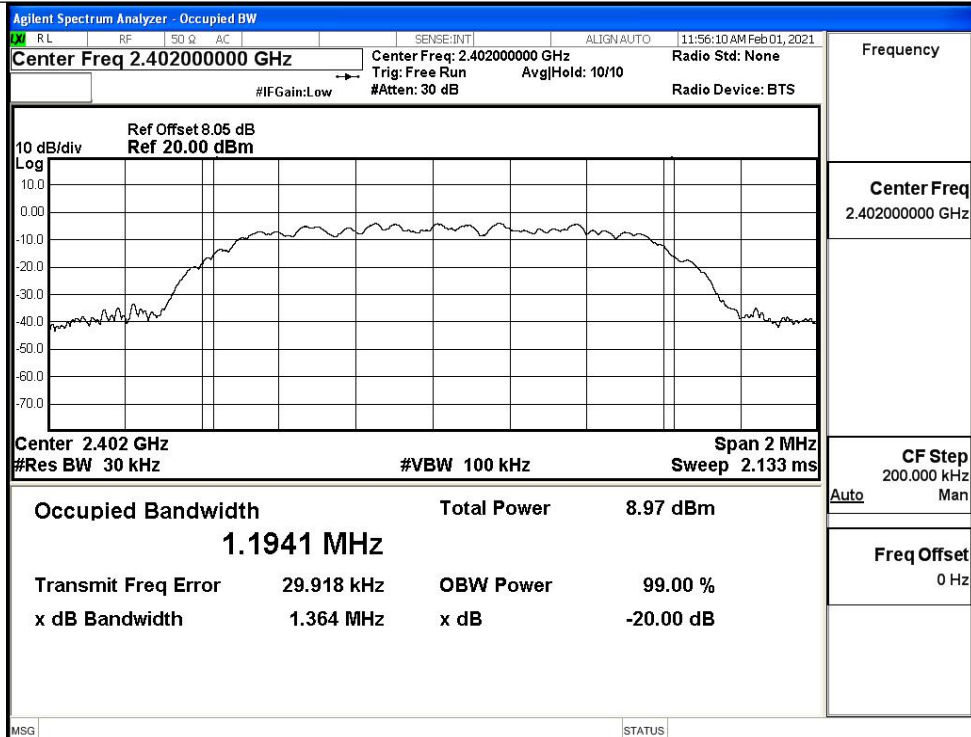
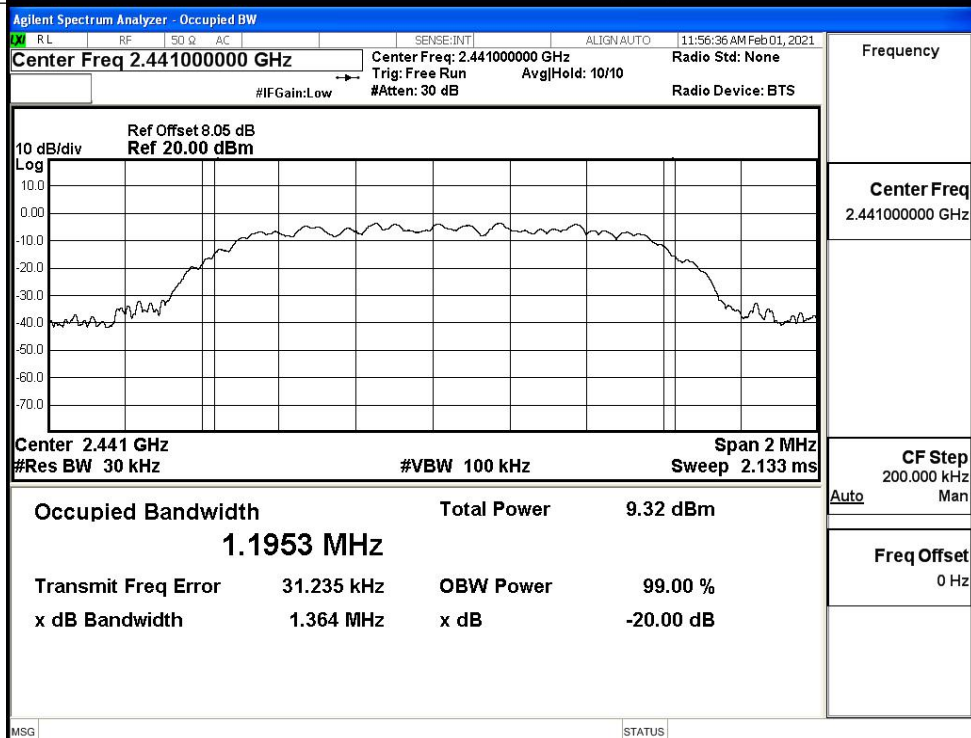


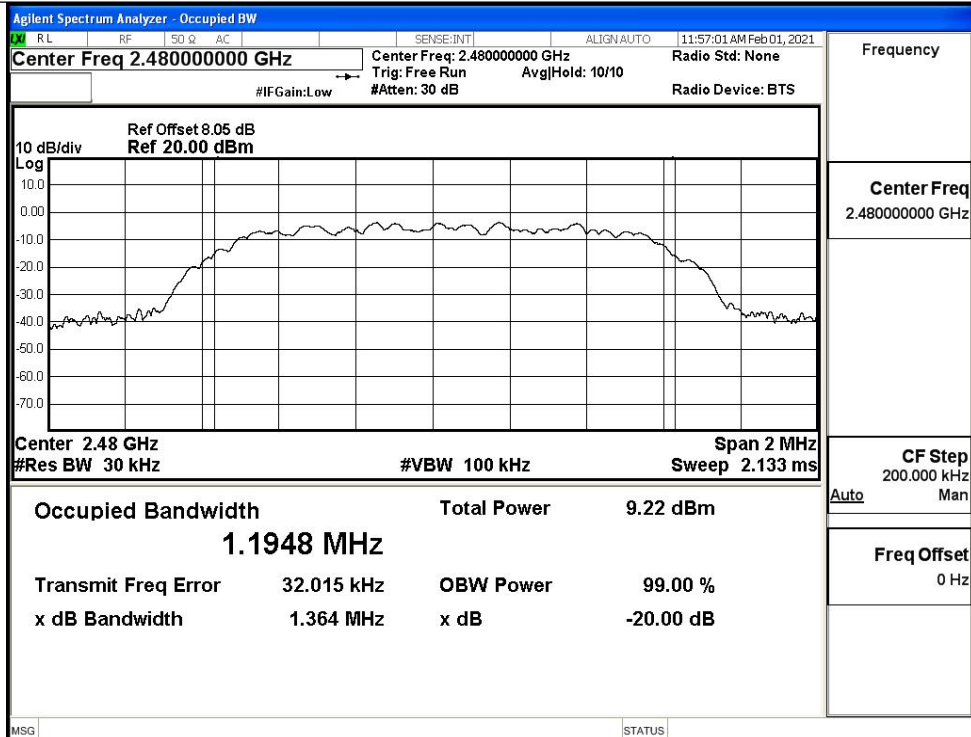
GFSK/MCH



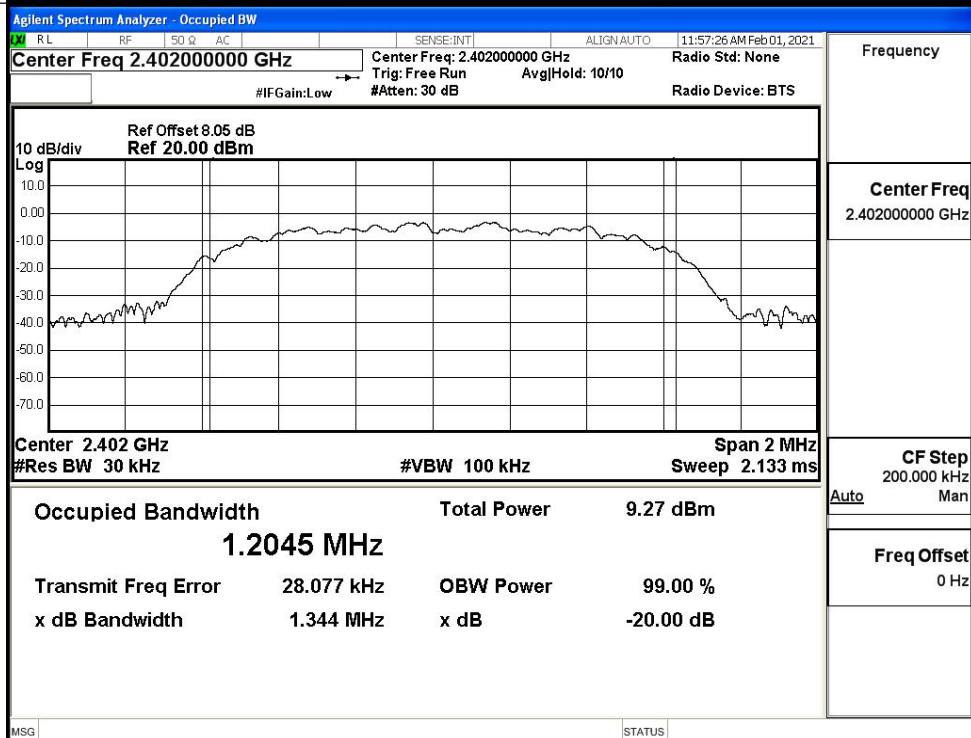
GFSK/HCH



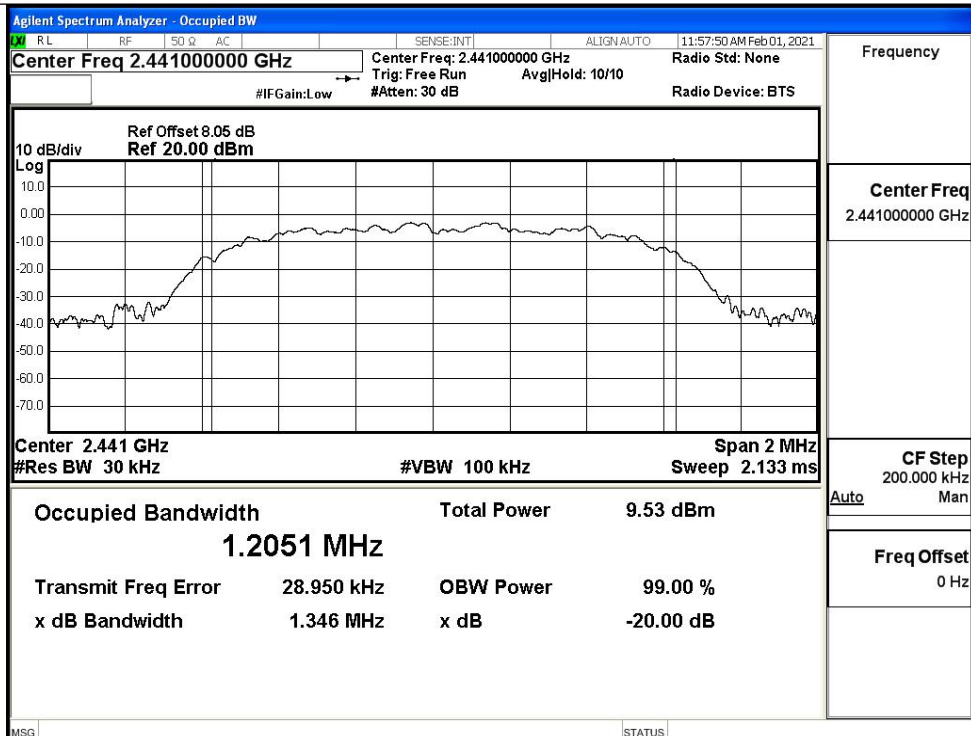
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

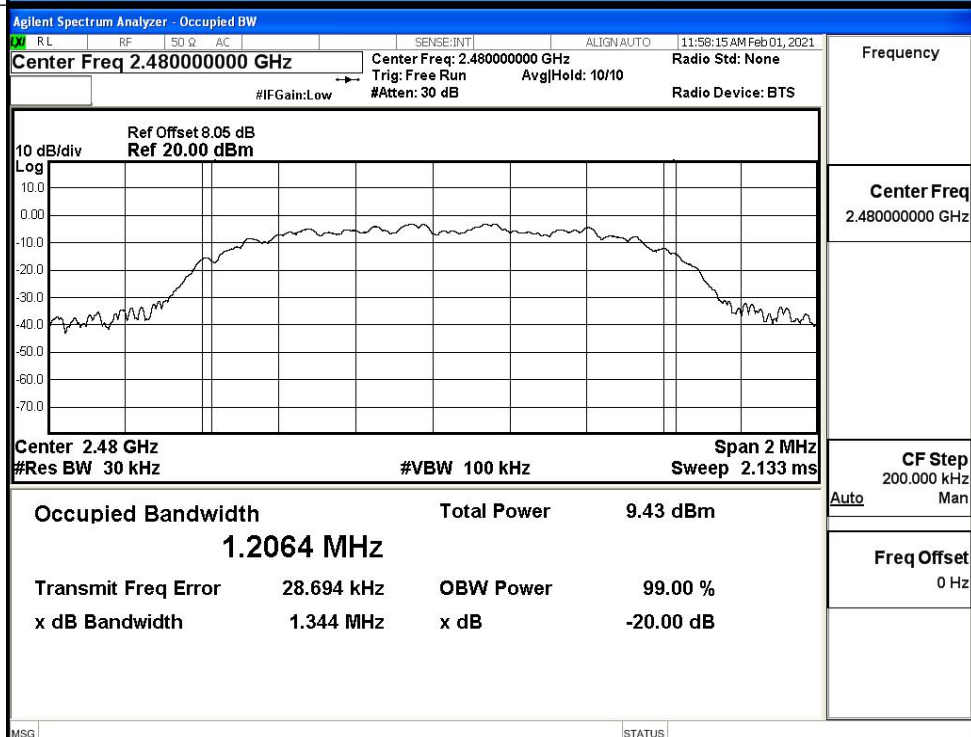
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

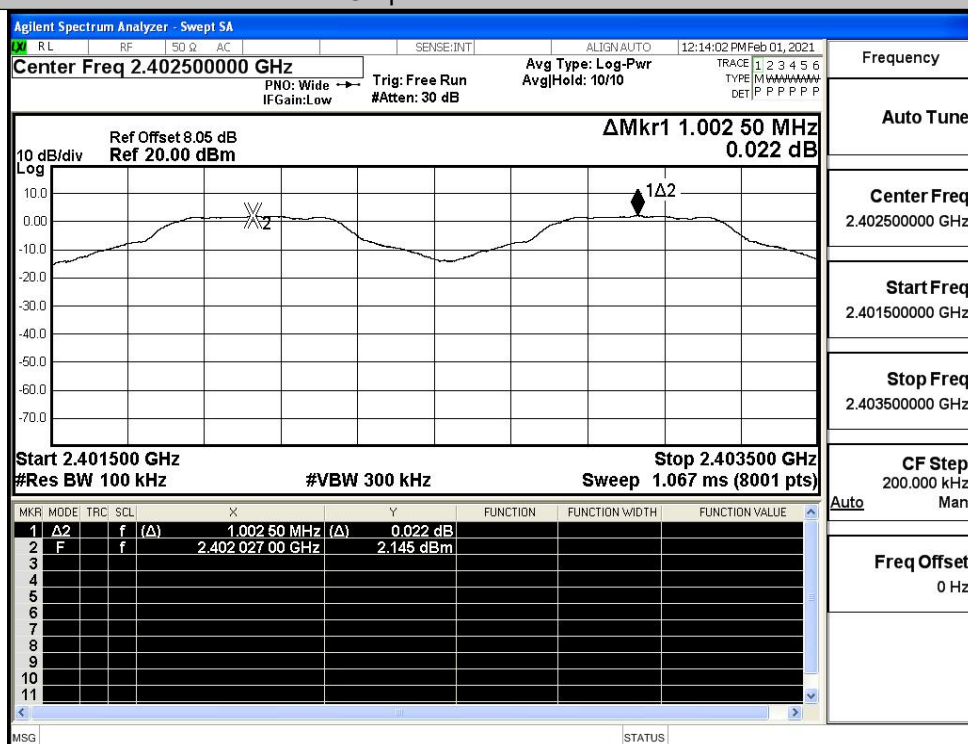


A.4 Carrier Frequency Separation

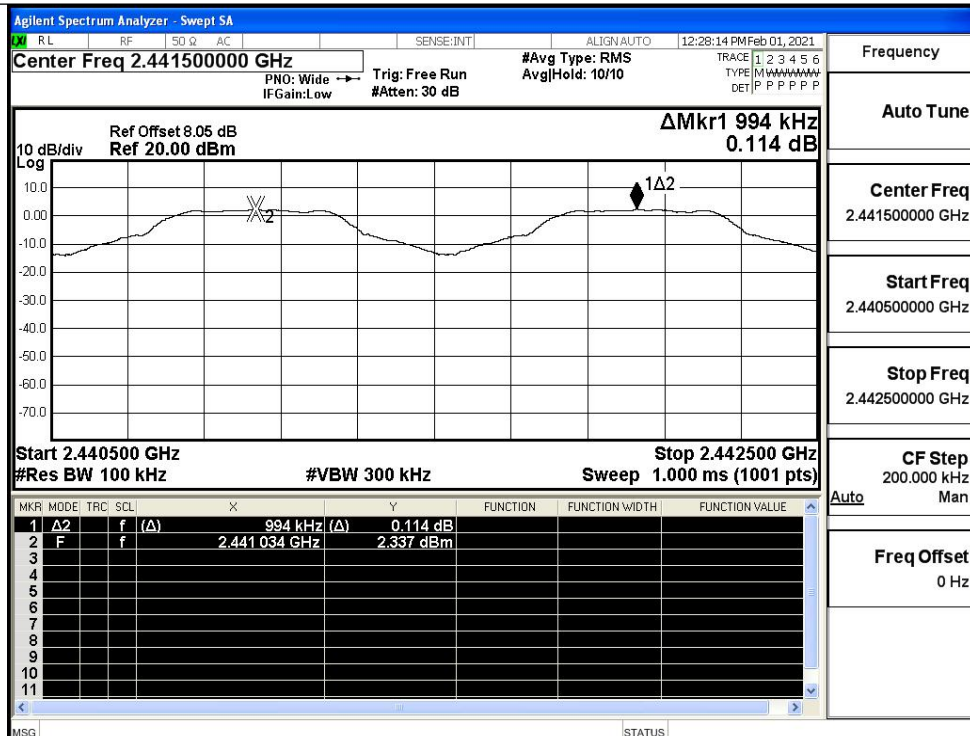
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.003	0.689	PASS
	MCH	0.994	0.689	PASS
	HCH	1.024	0.689	PASS
$\pi/4$ DQPSK	LCH	1.006	0.912	PASS
	MCH	0.988	0.912	PASS
	HCH	1.018	0.912	PASS
8DPSK	LCH	0.988	0.899	PASS
	MCH	0.980	0.899	PASS
	HCH	1.008	0.899	PASS

Test Graphs

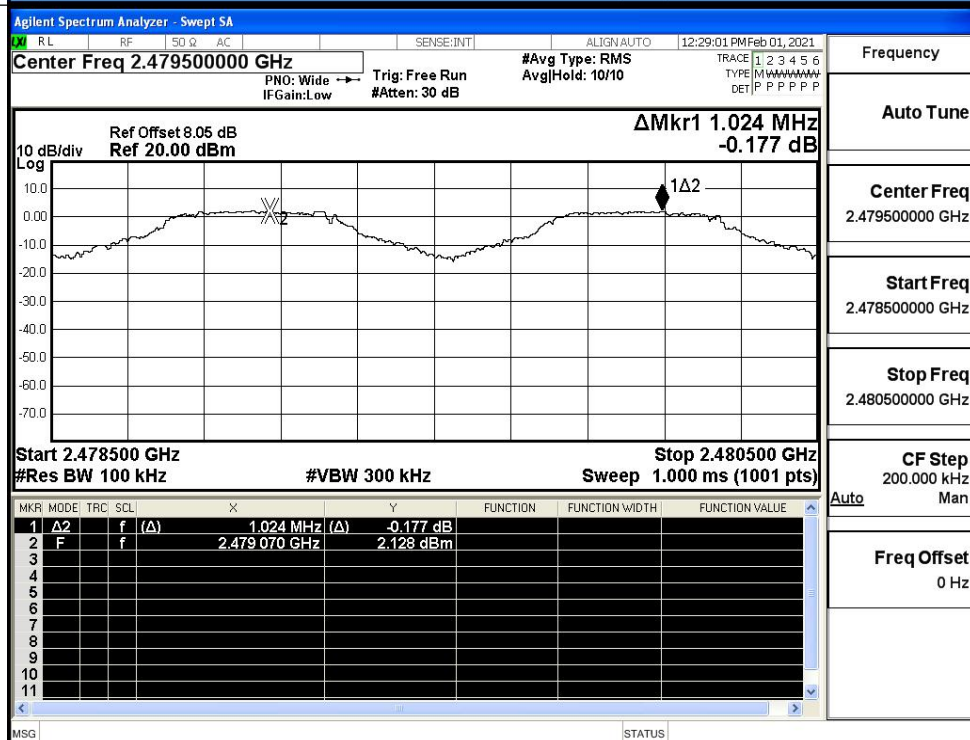
GFSK/LCH

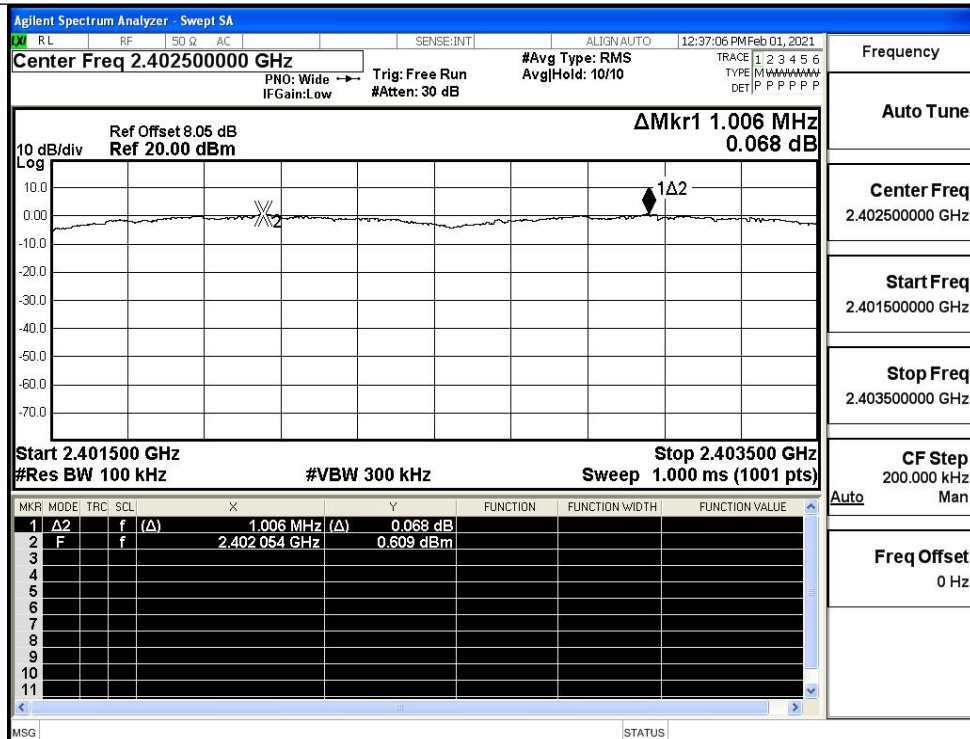
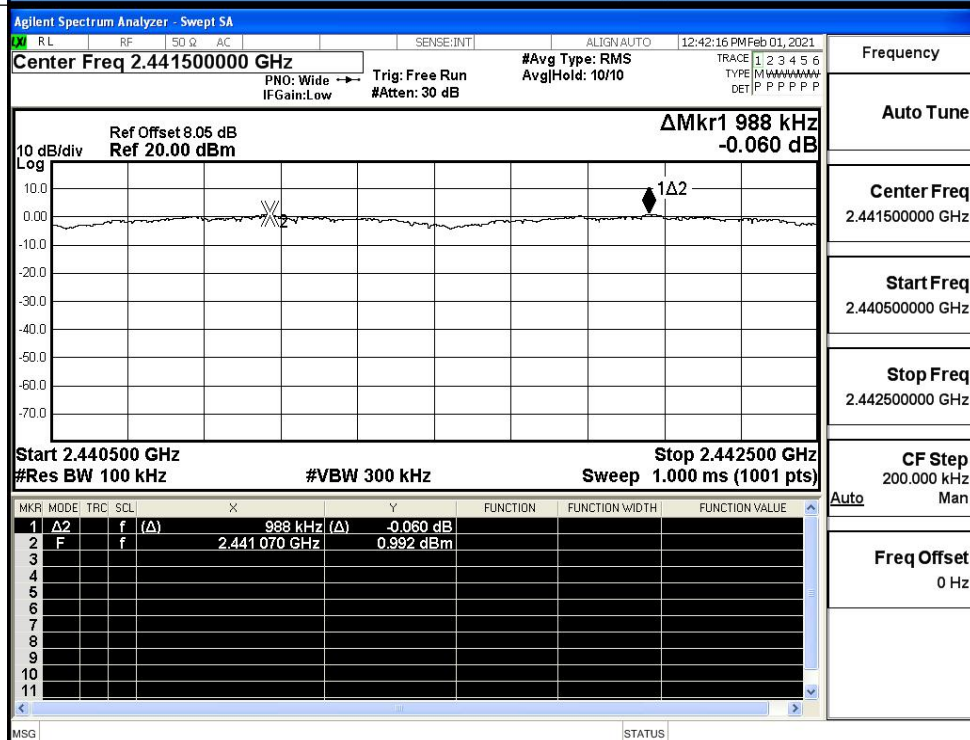


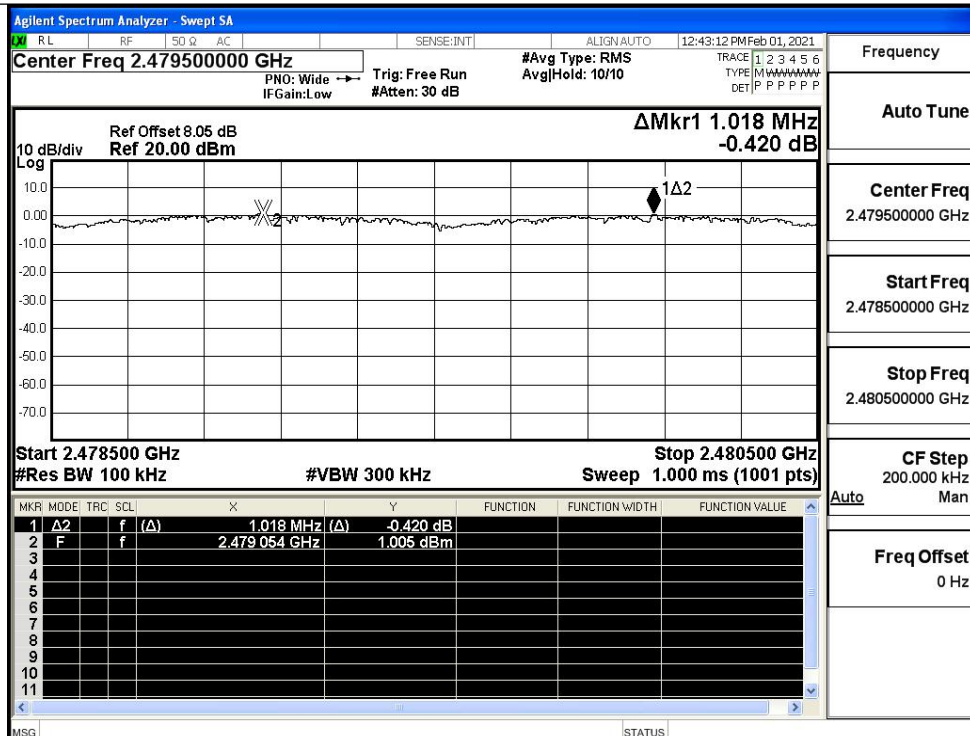
GFSK/MCH



GFSK/HCH



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

$\pi/4$ DQPSK/HCH

8DPSK/LCH

