

Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

Product Name: True Wireless Magnetic Speakers

Trade Mark: N/A

Test Model: 24065-DI

Environmental Conditions

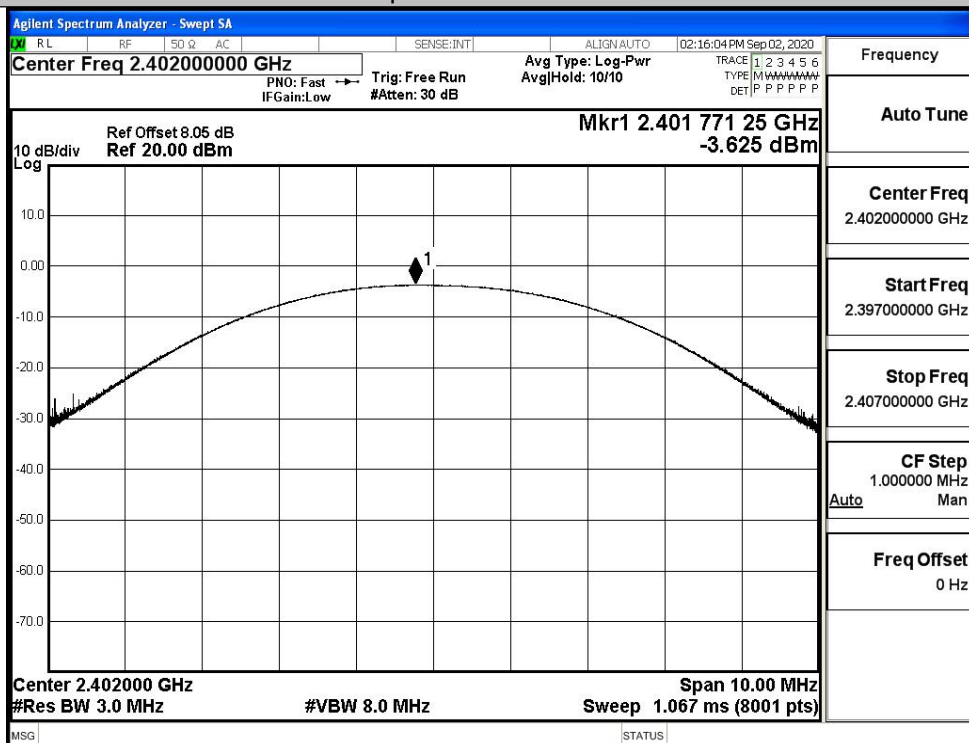
Temperature:	25 .2° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

A.1 Maximum Conducted Peak Output Power

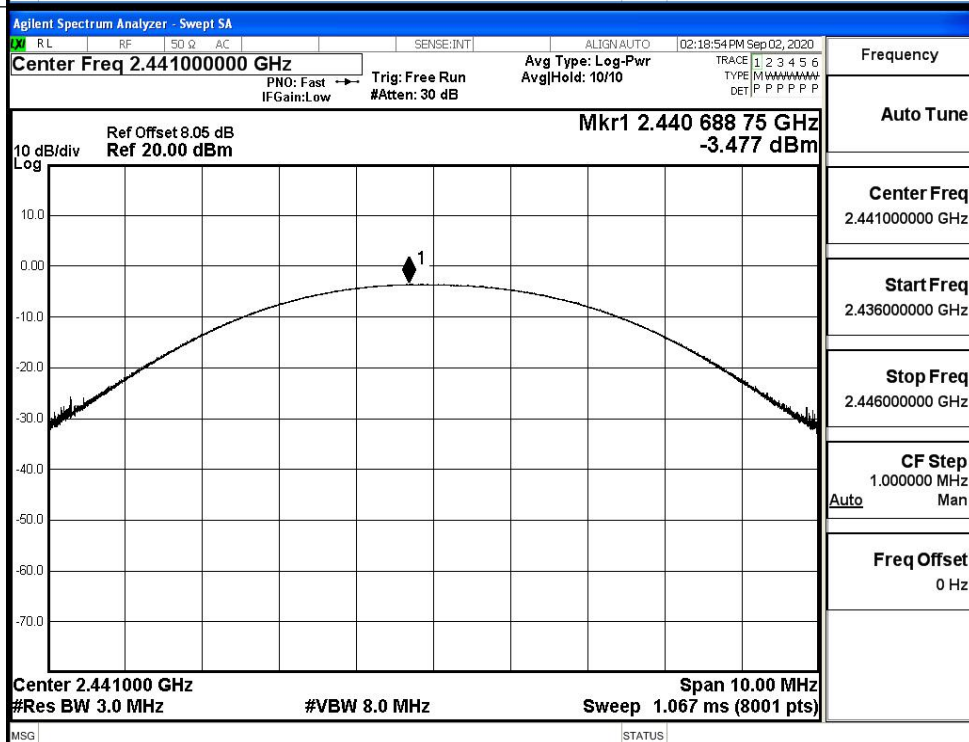
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-3.625	21	PASS
	MCH	-3.477	21	PASS
	HCH	-3.795	21	PASS
$\pi/4$ DQPSK	LCH	-2.812	21	PASS
	MCH	-2.763	21	PASS
	HCH	-3.042	21	PASS

Test Graphs

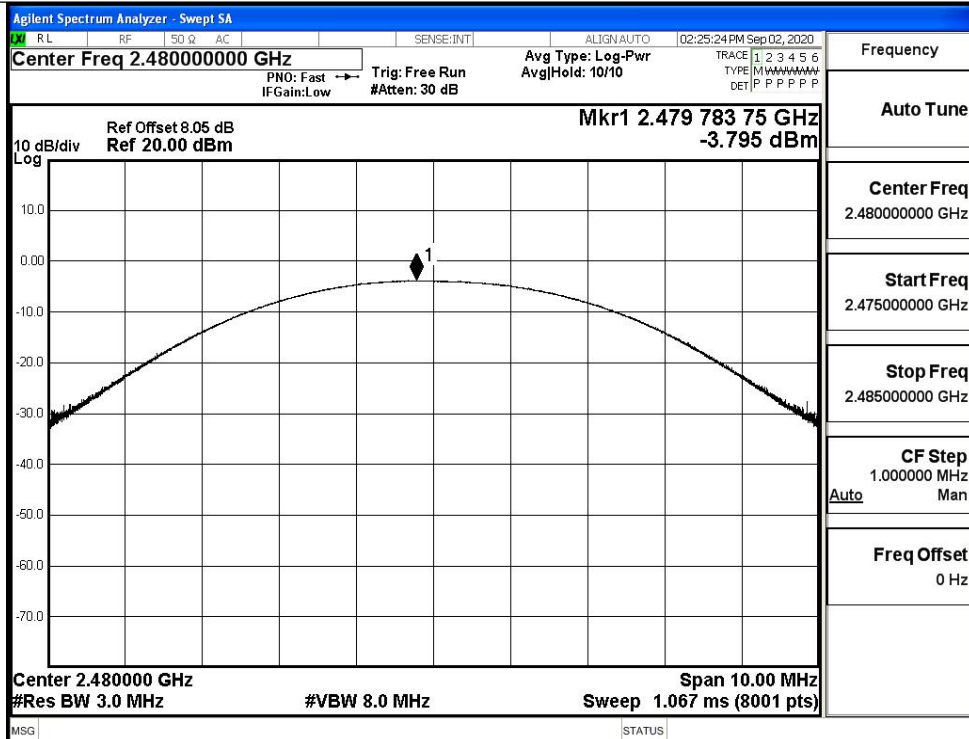
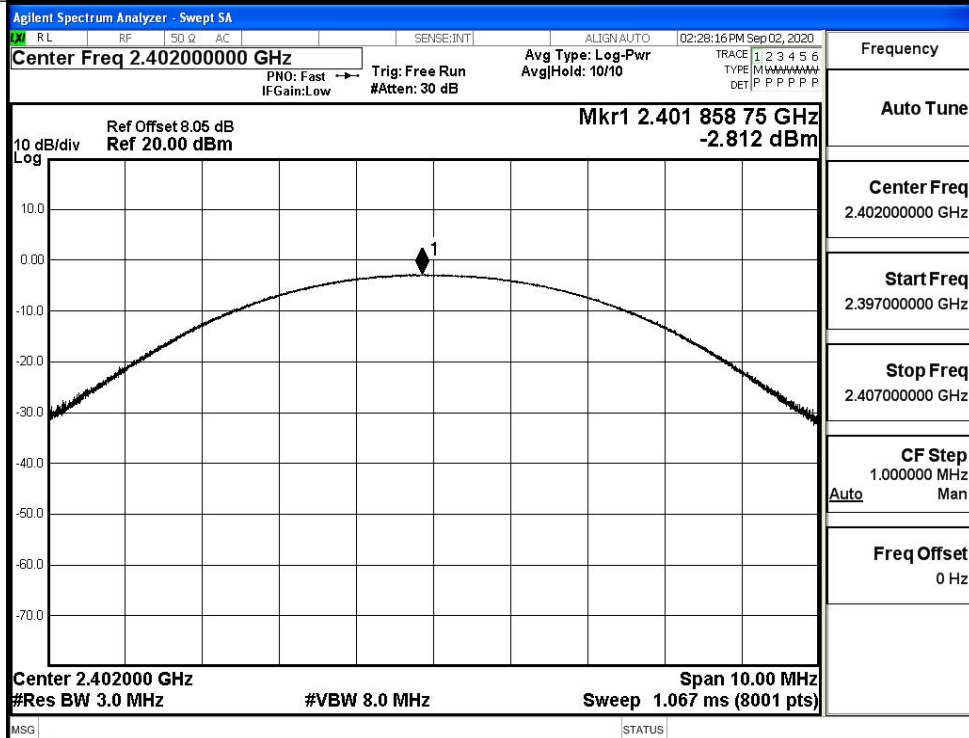
GFSK/LCH

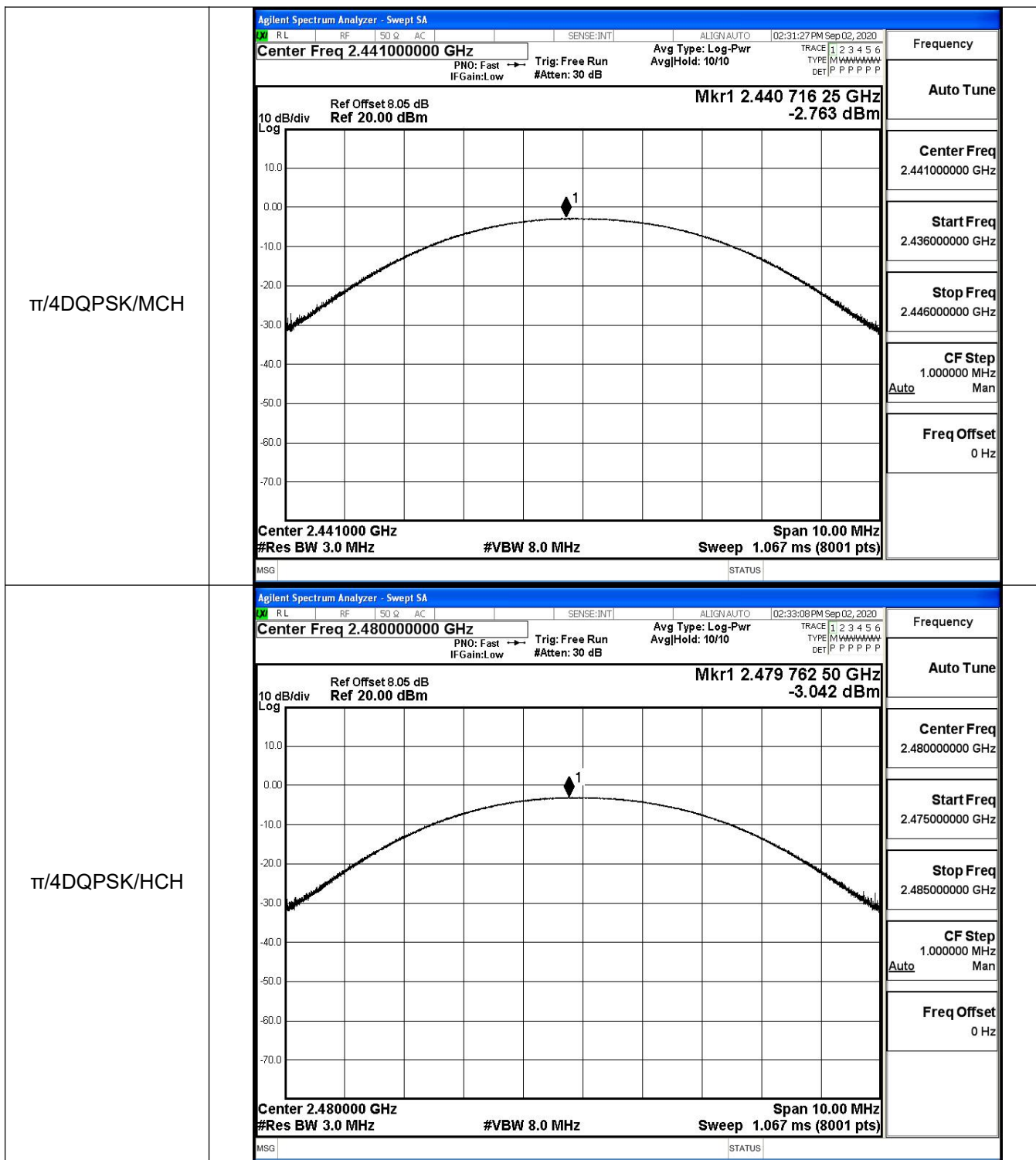


GFSK/MCH



GFSK/HCH

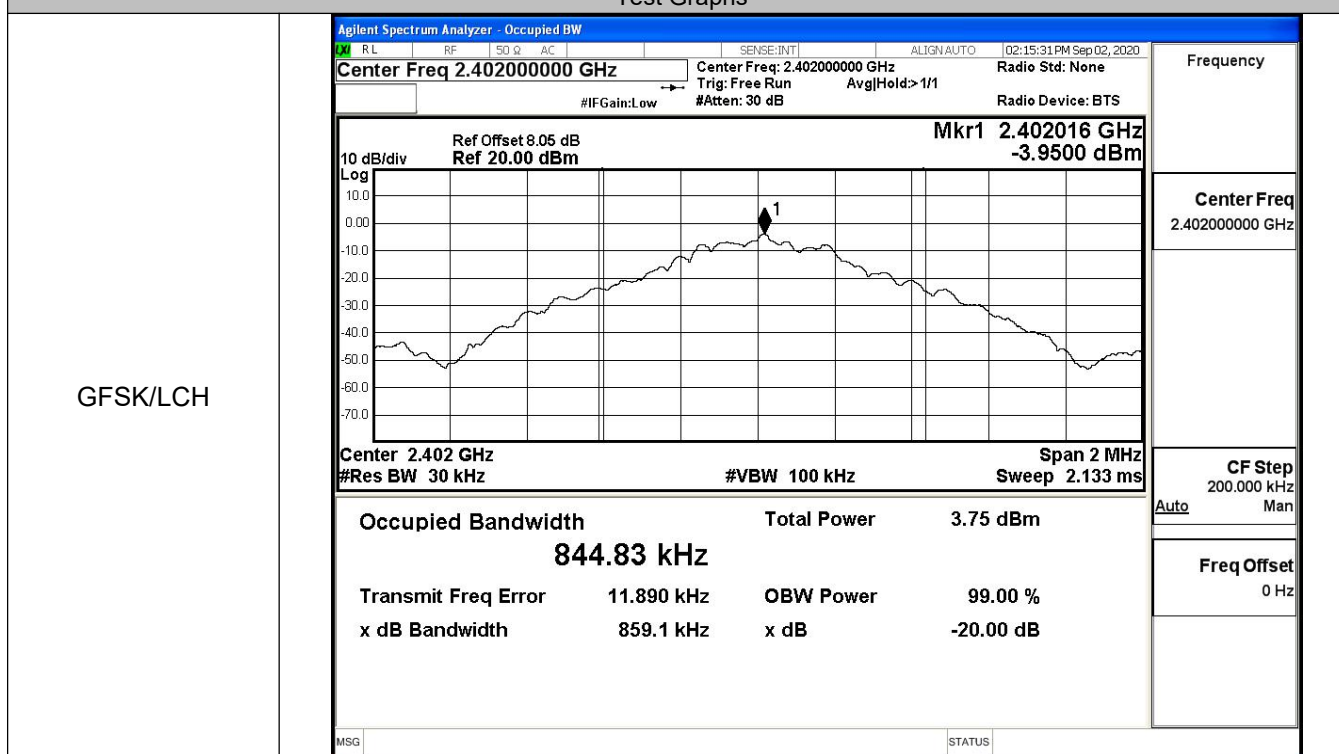
 π /4DQPSK/LCH



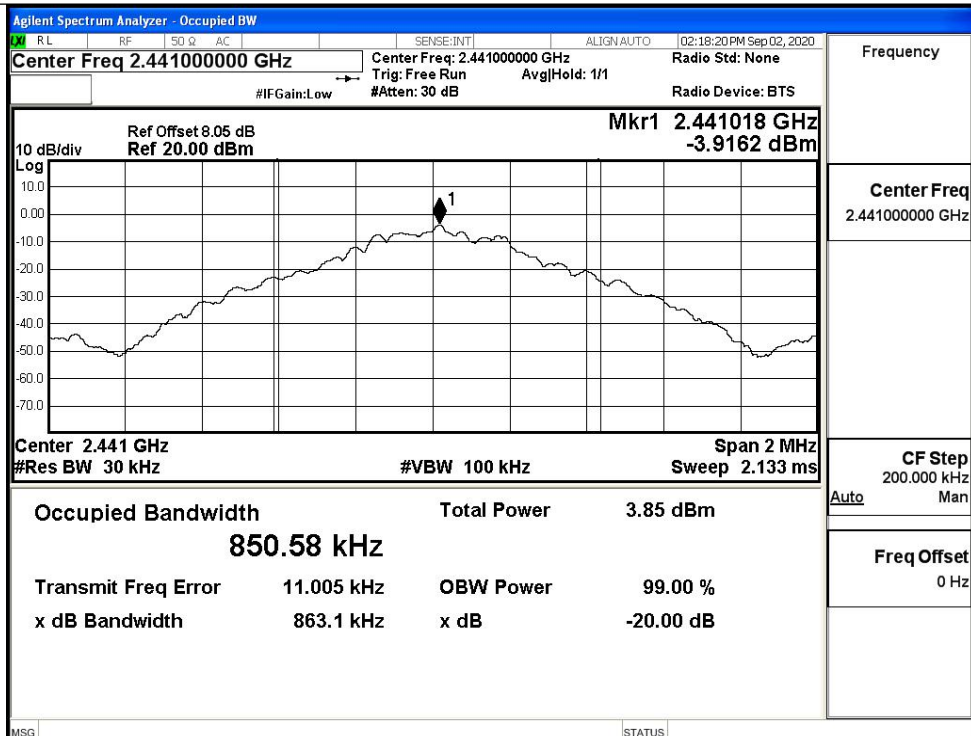
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.8591	Not Specified	PASS
	MCH	0.8631	Not Specified	PASS
	HCH	0.8621	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.241	Not Specified	PASS
	MCH	1.241	Not Specified	PASS
	HCH	1.237	Not Specified	PASS

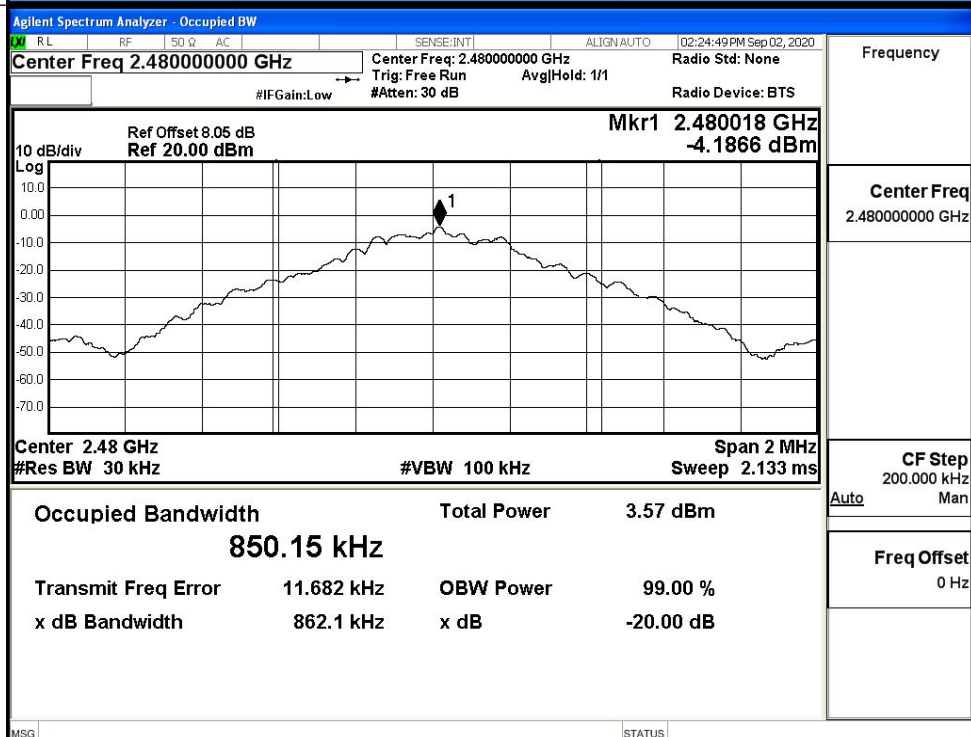
Test Graphs

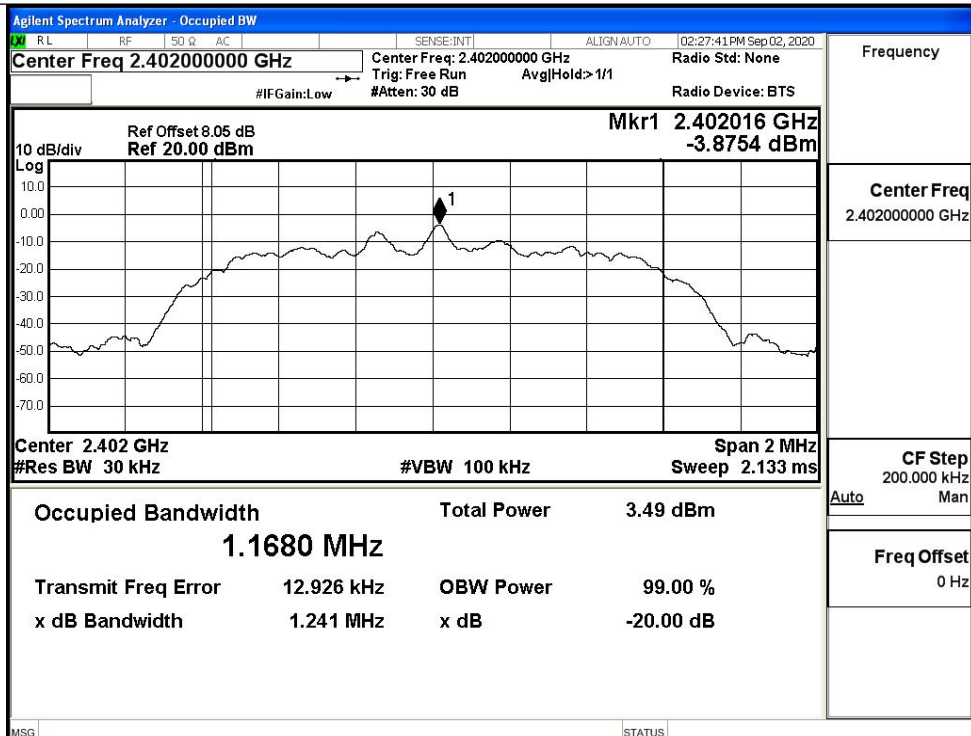
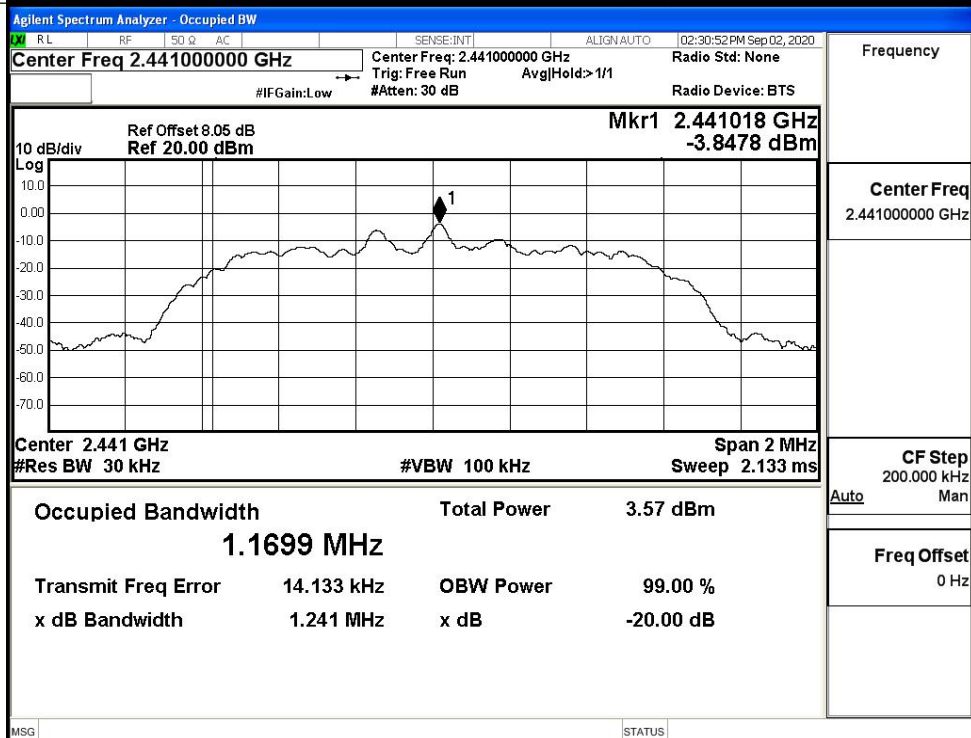


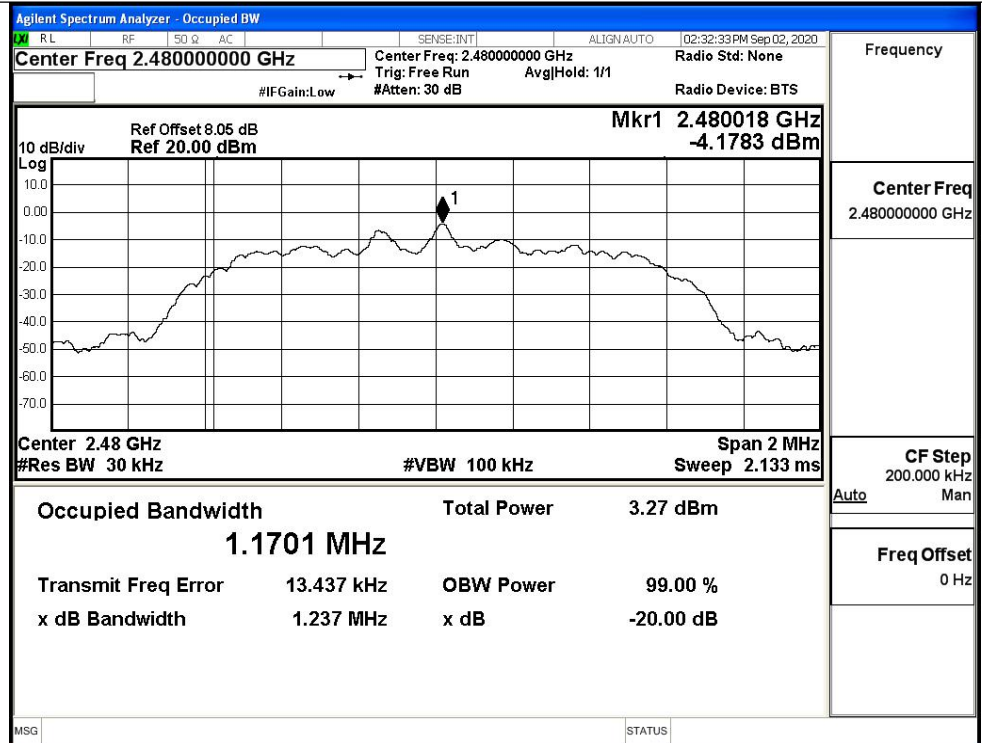
GFSK/MCH



GFSK/HCH



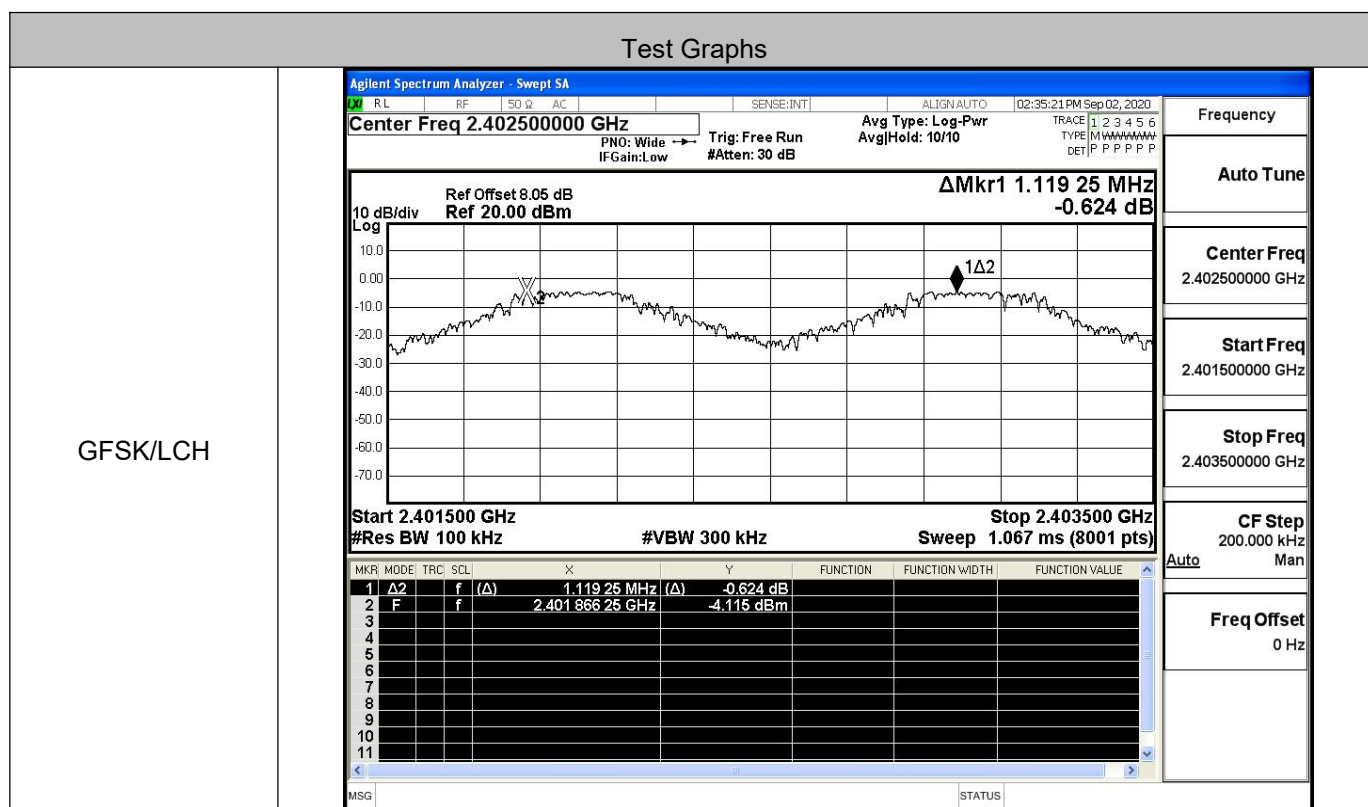
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

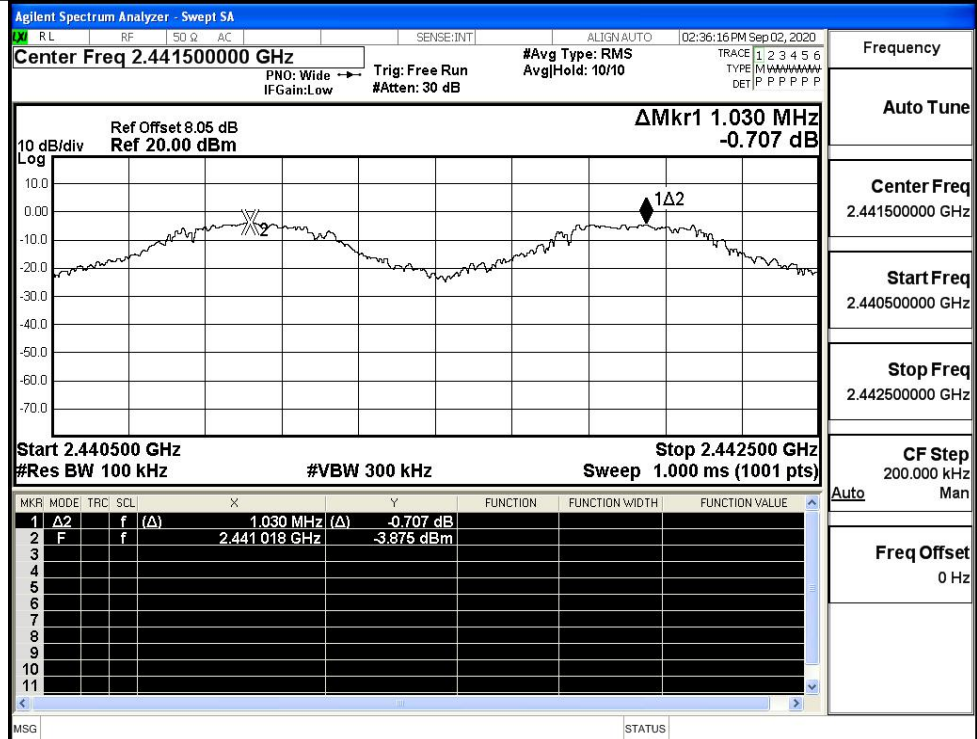
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.119	0.575	PASS
	MCH	1.030	0.575	PASS
	HCH	0.994	0.575	PASS
π /4DQPSK	LCH	1.086	0.827	PASS
	MCH	0.998	0.827	PASS
	HCH	0.996	0.827	PASS

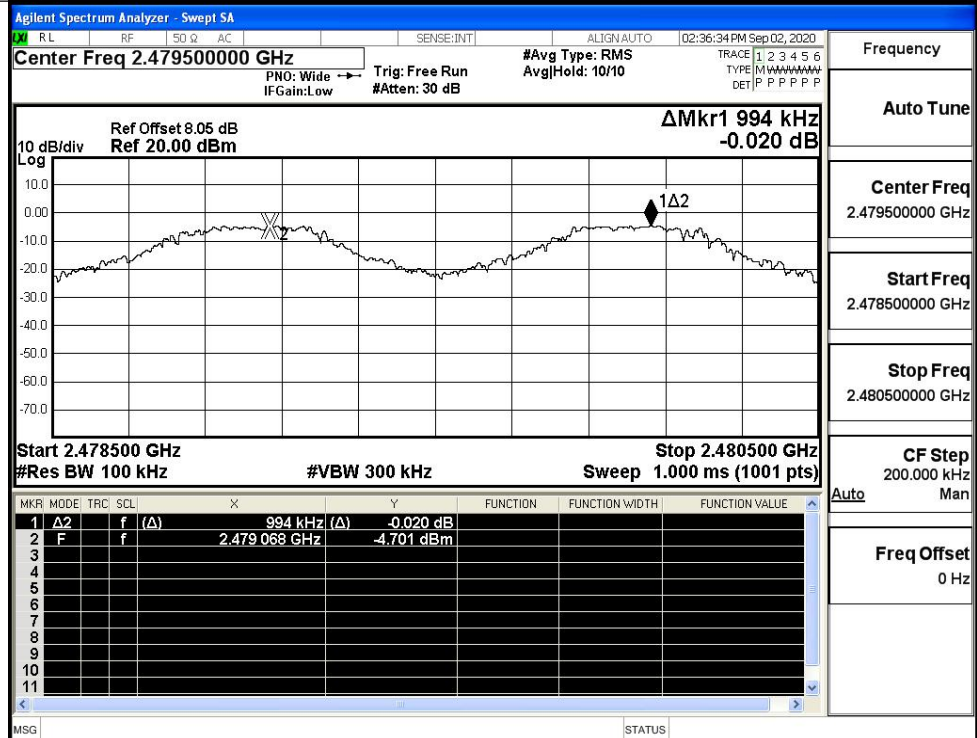
Test Graphs

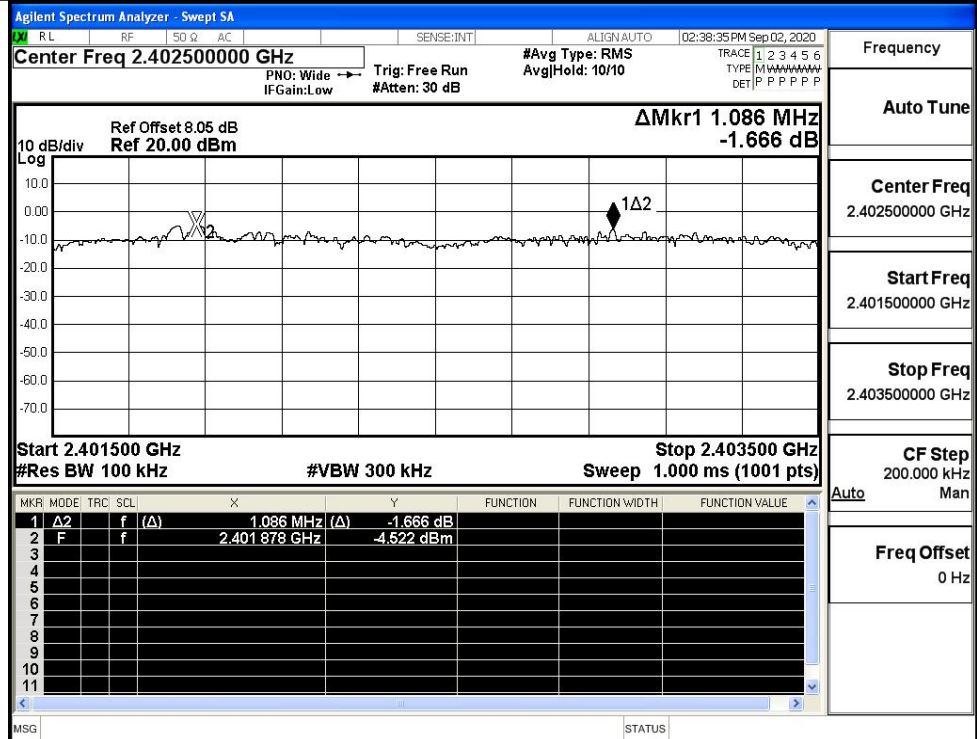
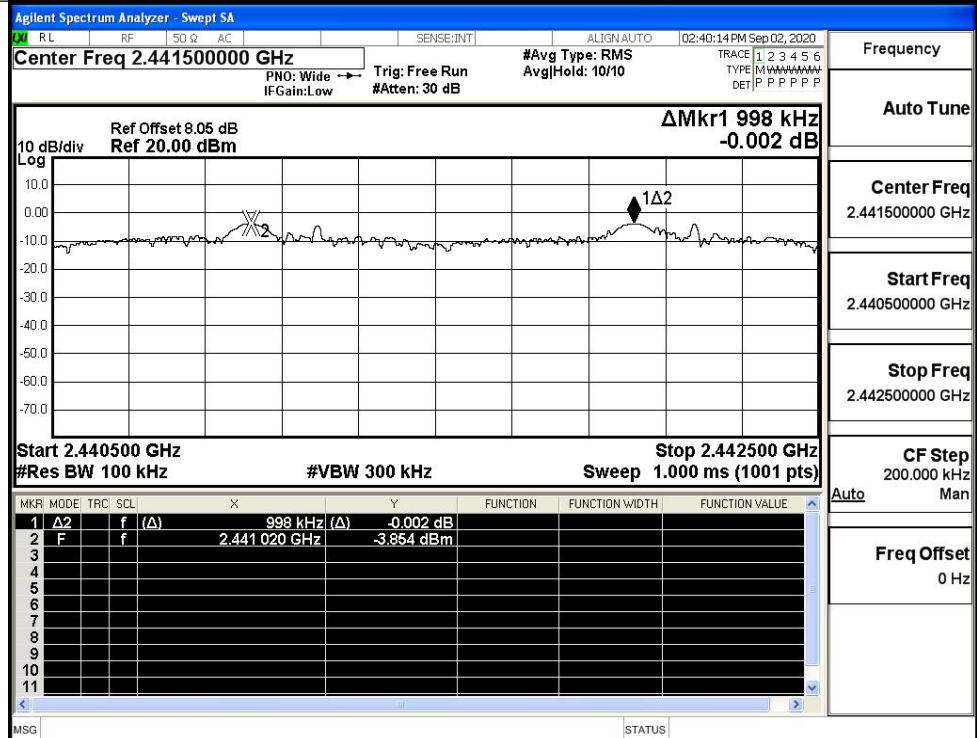


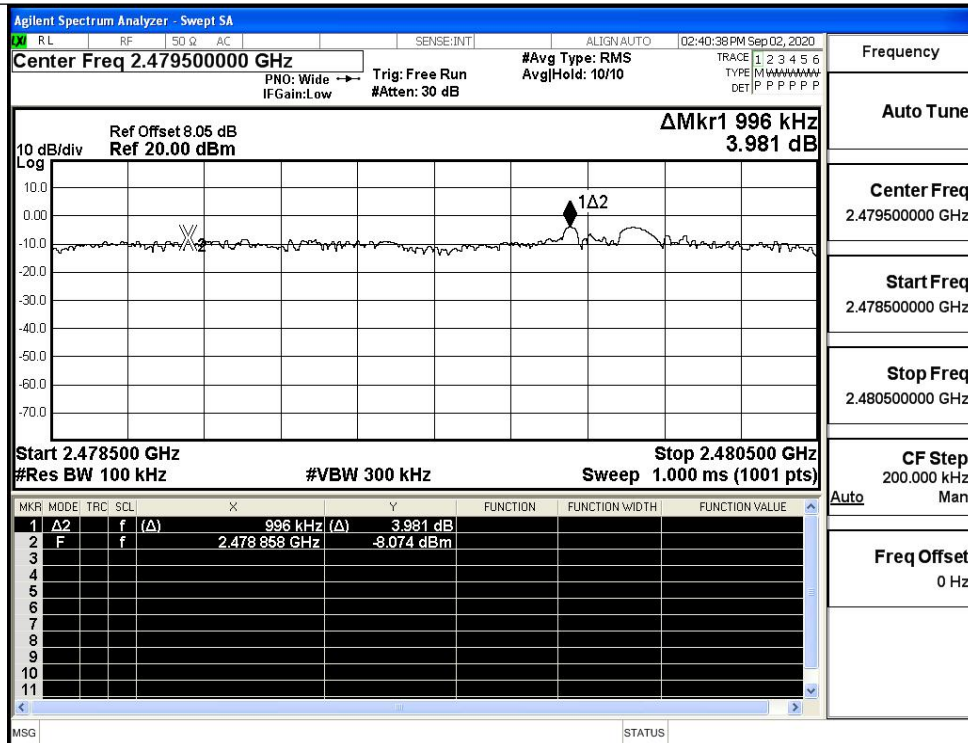
GFSK/MCH



GFSK/HCH



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

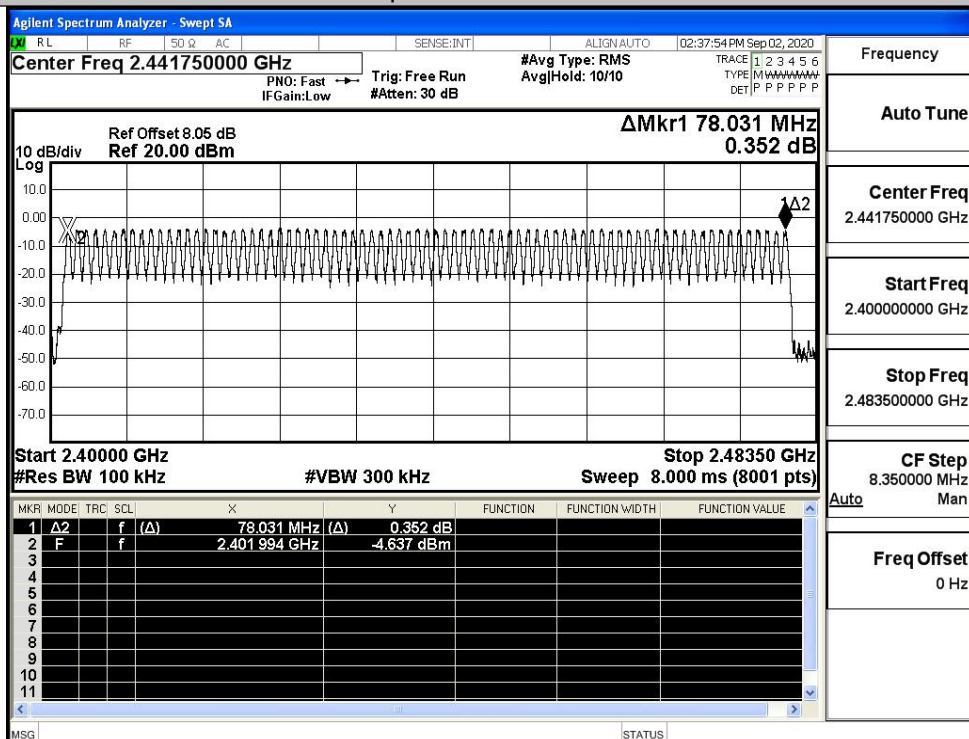
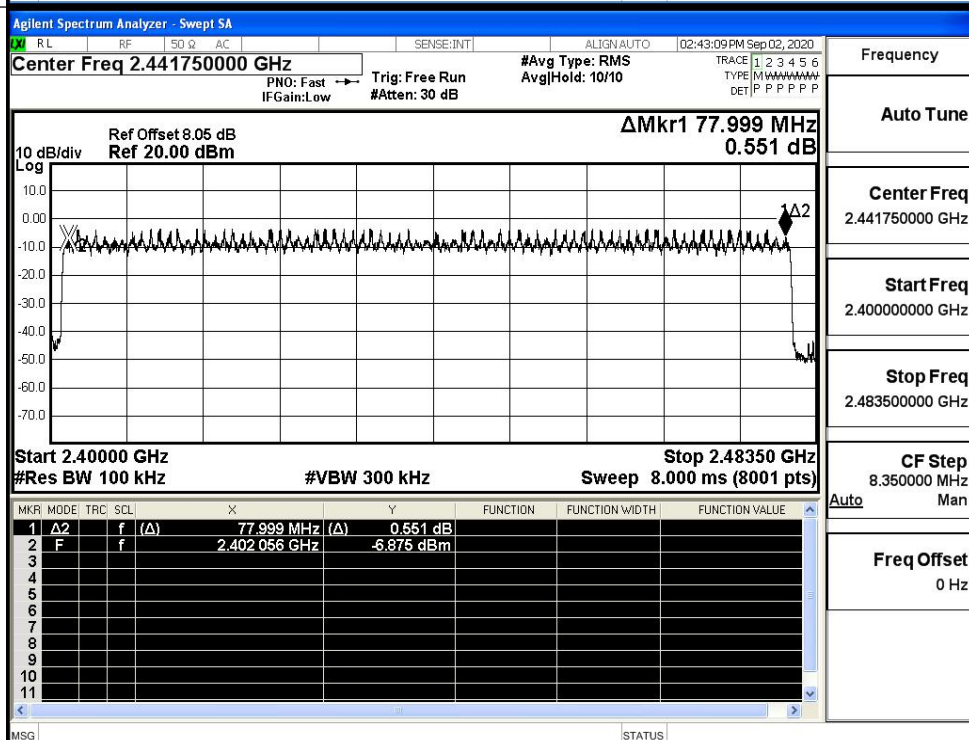
$\pi/4$ DQPSK/HCH

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

Test Graphs

GFSK/Hop

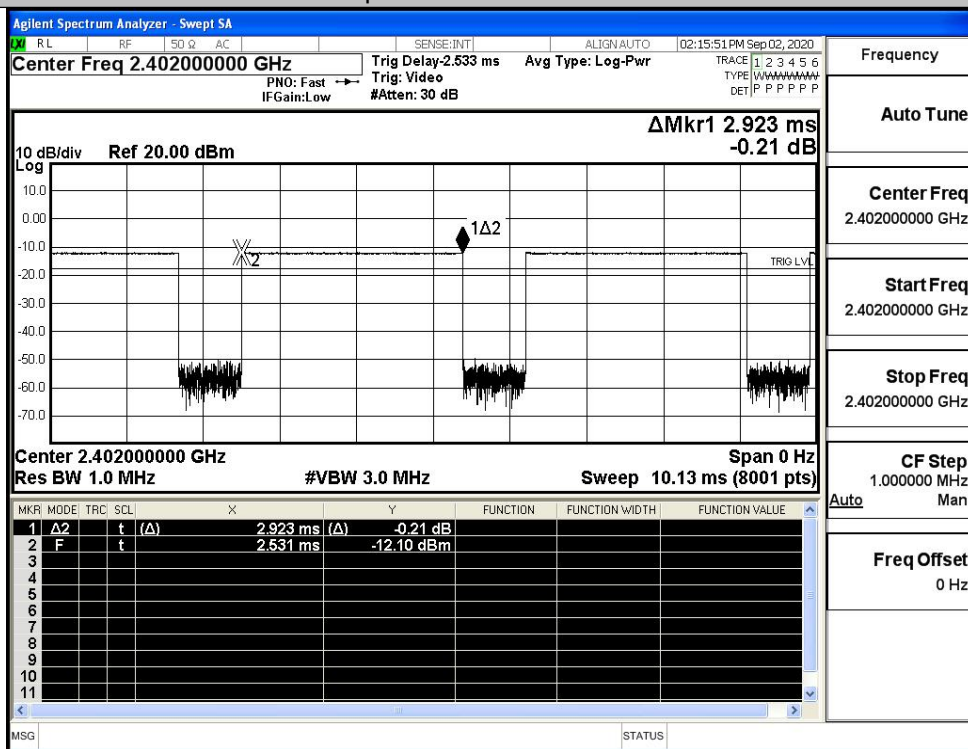
 $\pi/4$ DQPSK/Hop

A.5 Dwell Time

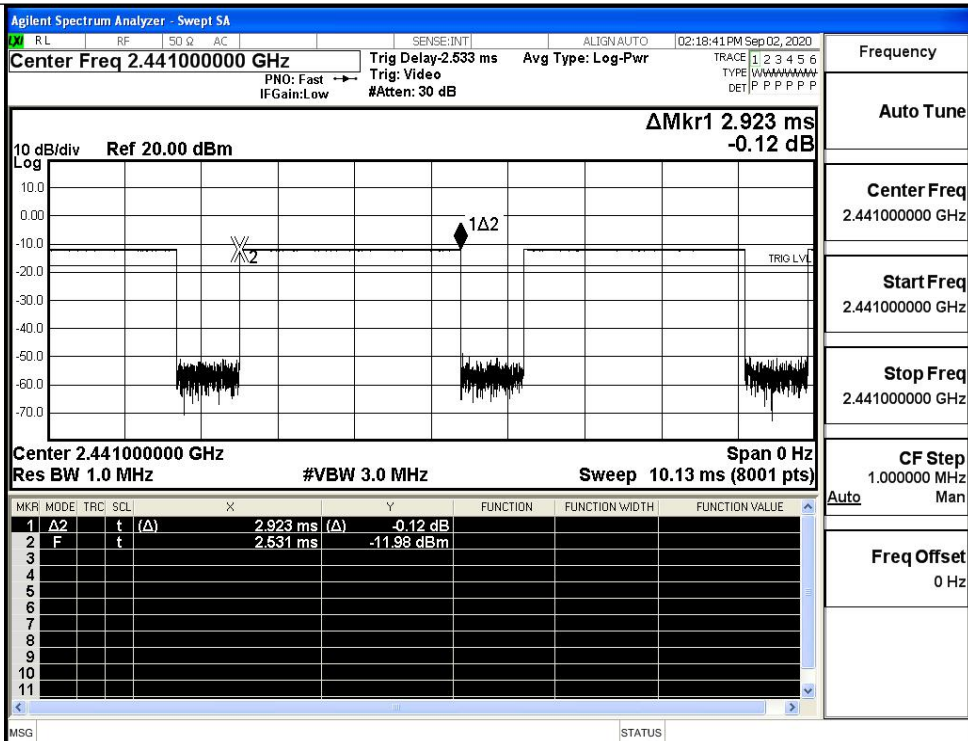
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.92	106.7	0.312	0.4	PASS
	DH5	MCH	2.92	106.7	0.312	0.4	PASS
	DH5	HCH	2.92	106.7	0.312	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	2.92	106.7	0.313	0.4	PASS
	2DH5	MCH	2.92	106.7	0.313	0.4	PASS
	2DH5	HCH	2.92	106.7	0.313	0.4	PASS

Test Graphs

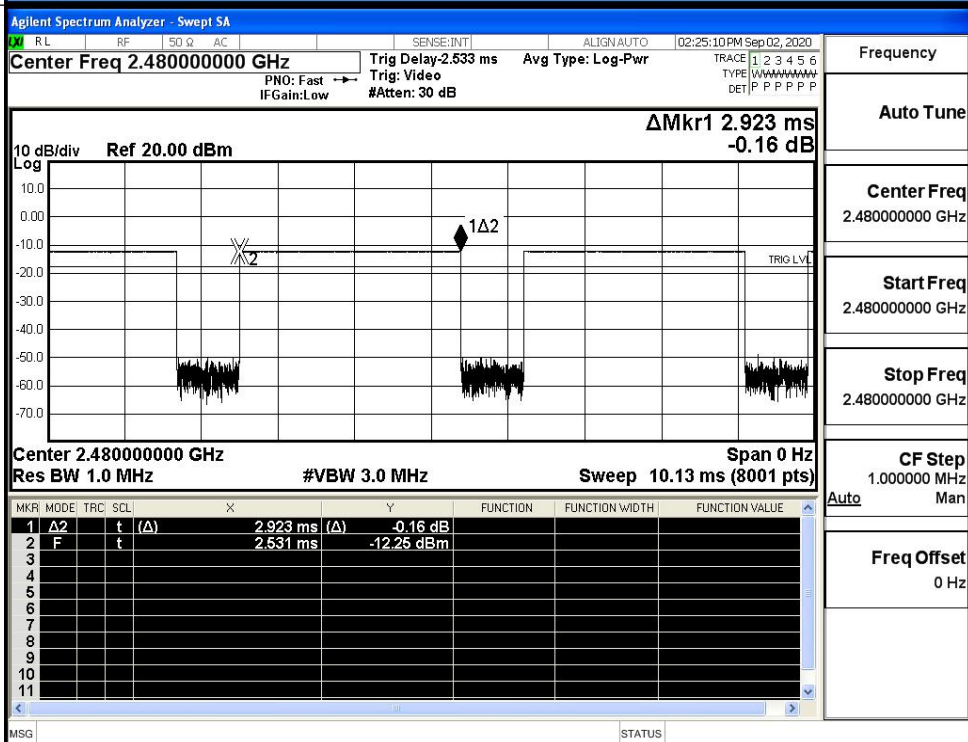
GFSK_DH5/LCH



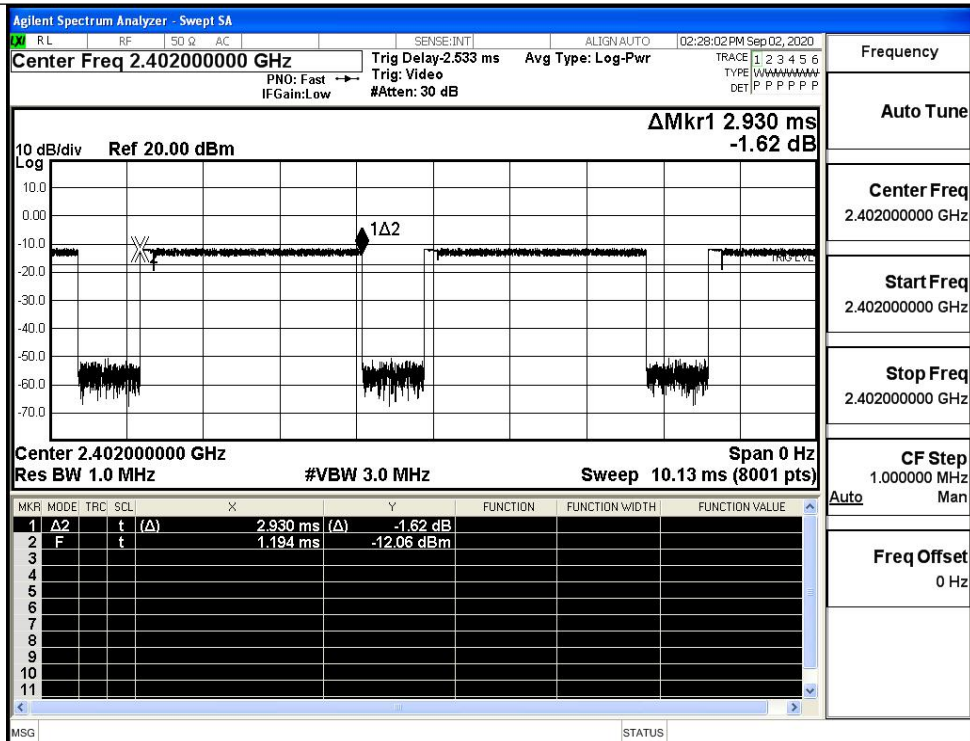
GFSK_DH5/MCH



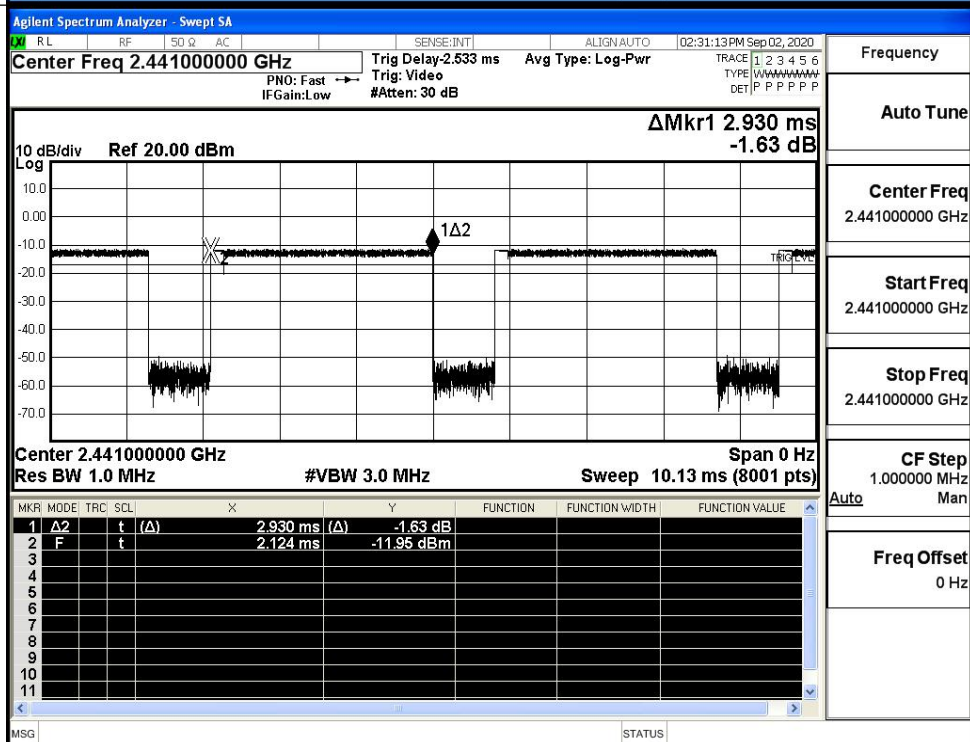
GFSK_DH5/HCH



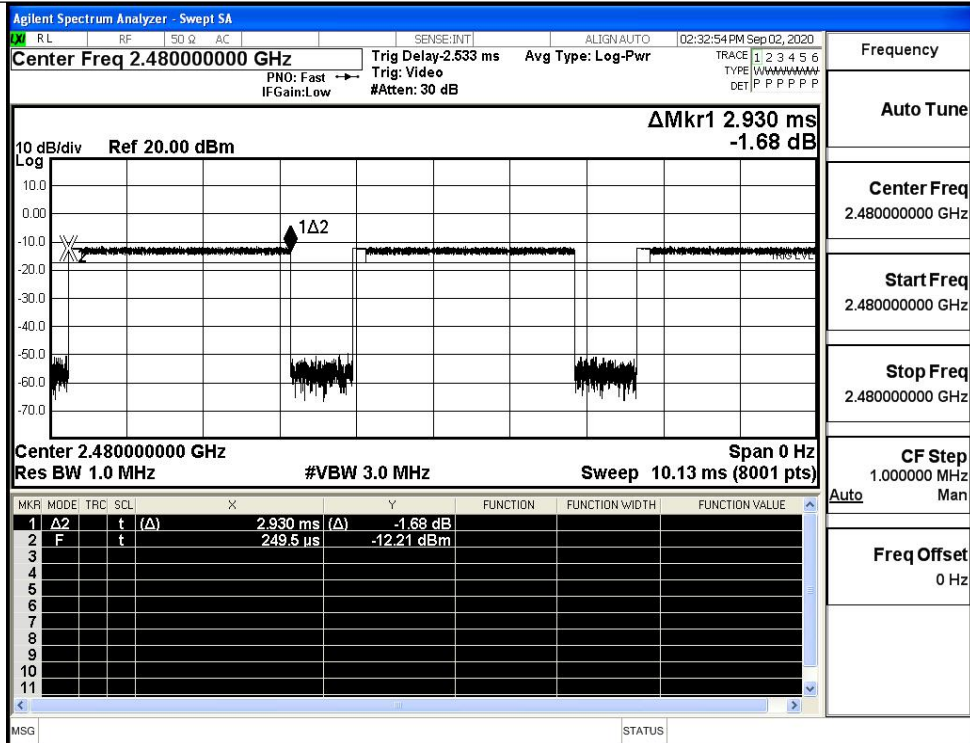
$\pi/4$ DQPSK
_2DH5/LCH



$\pi/4$ DQPSK
_2DH5/MCH



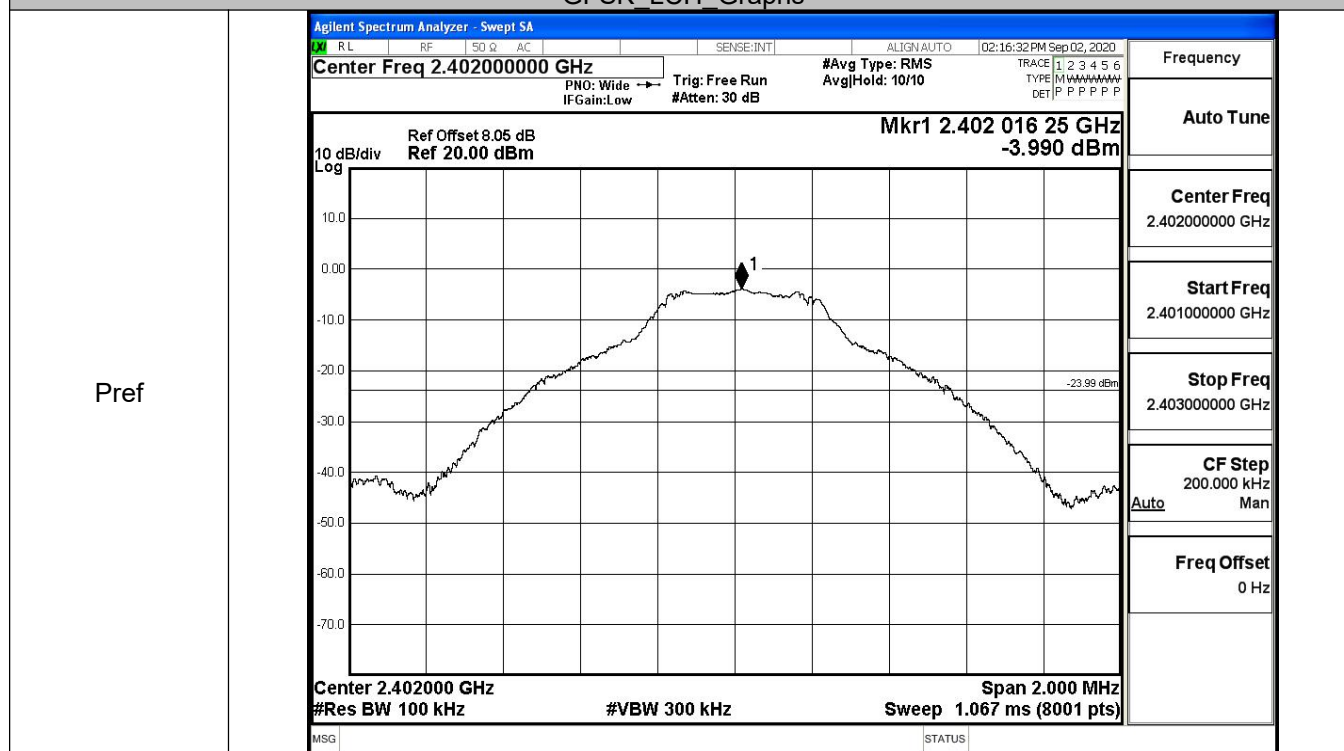
$\pi/4$ DQPSK
_2DH5/HCH



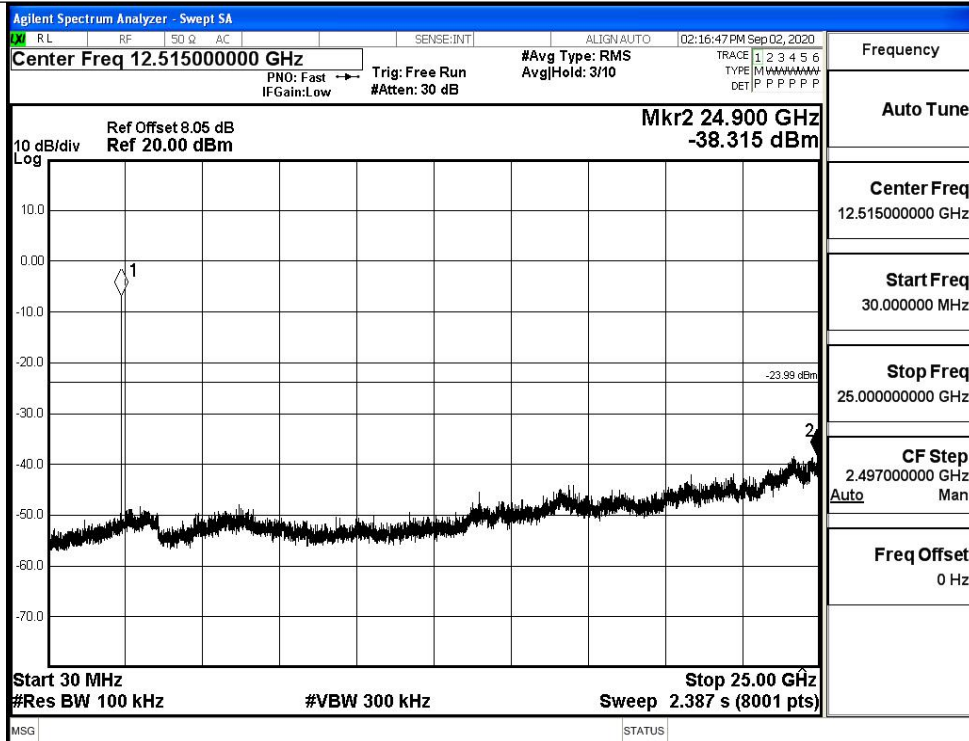
A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-3.99	-38.315	-23.990	PASS
	MCH	-3.882	-37.770	-23.882	PASS
	HCH	-4.192	-37.564	-24.192	PASS
$\pi/4$ DQPSK	LCH	-4.302	-36.913	-24.302	PASS
	MCH	-3.84	-37.551	-23.840	PASS
	HCH	-4.128	-37.690	-24.128	PASS

GFSK LCH Graphs

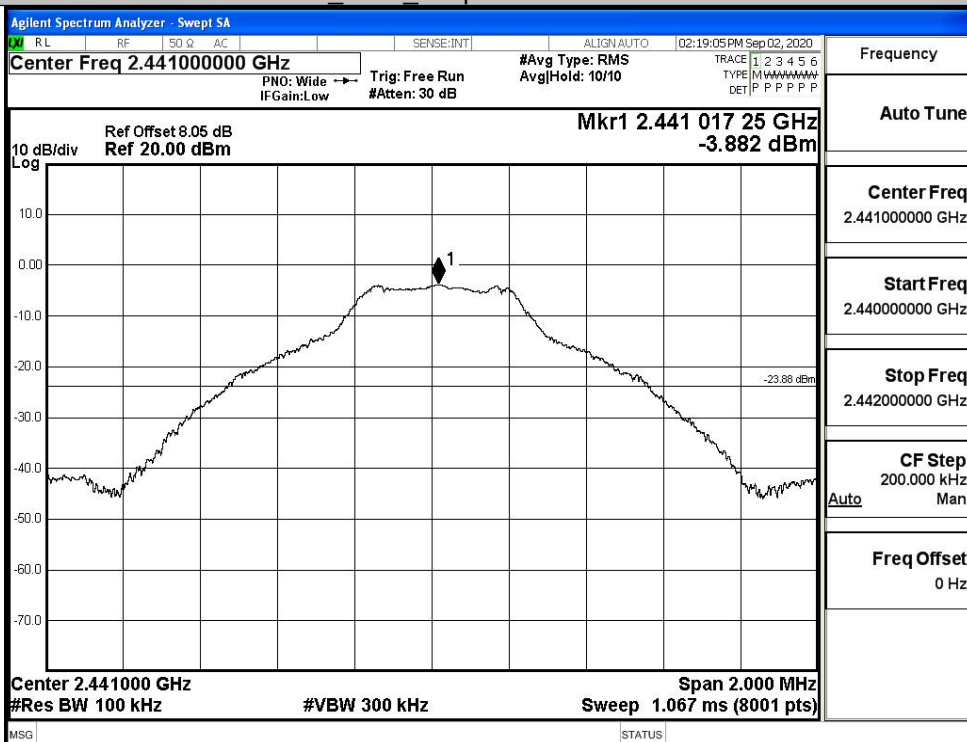


Puw

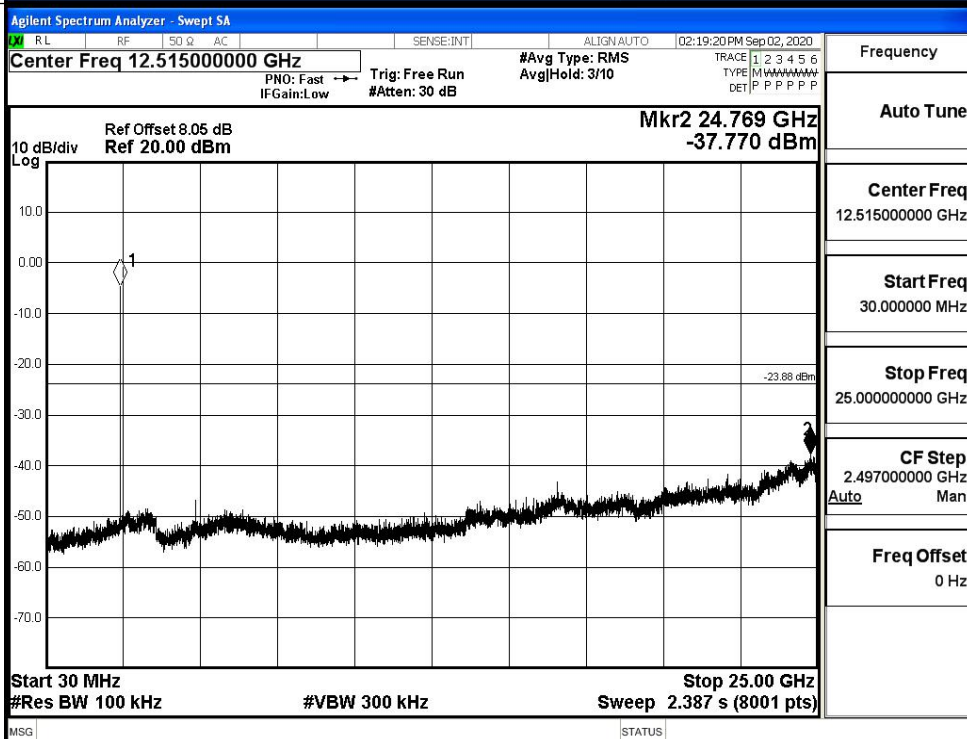


GFSK_MCH_Graphs

Pref

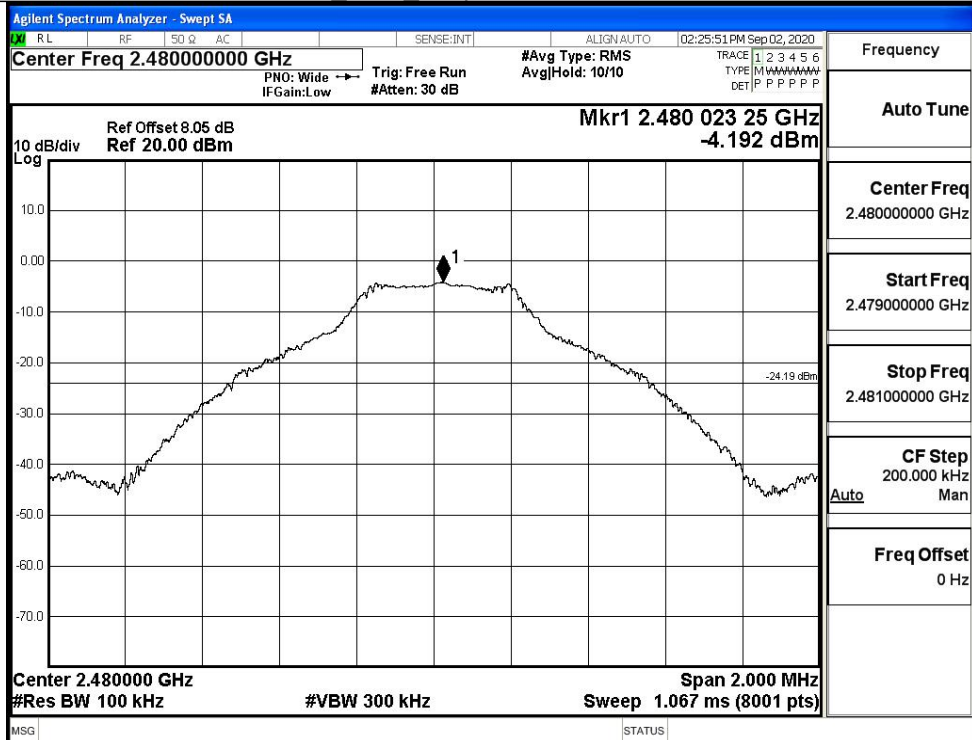


Puw

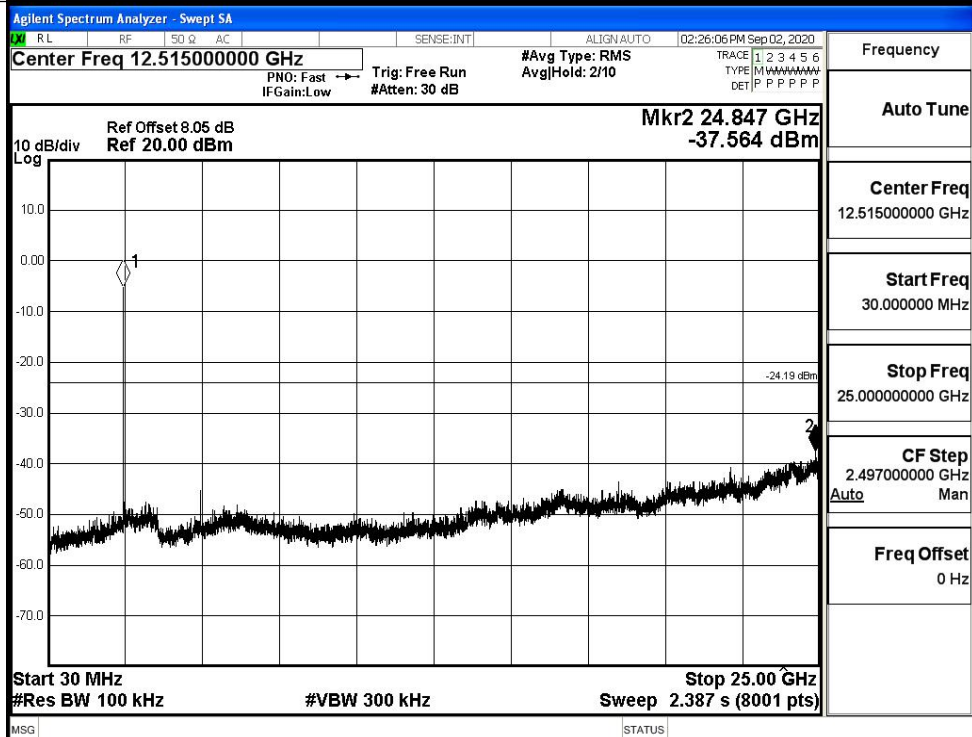


GFSK HCH_Graphs

Pref

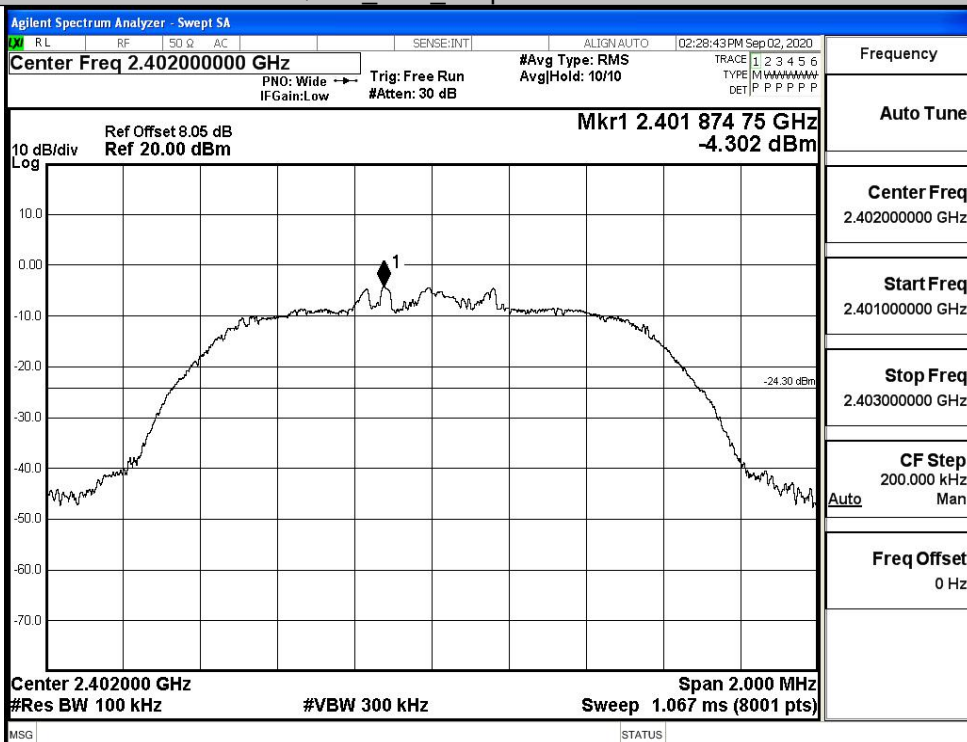


Puw

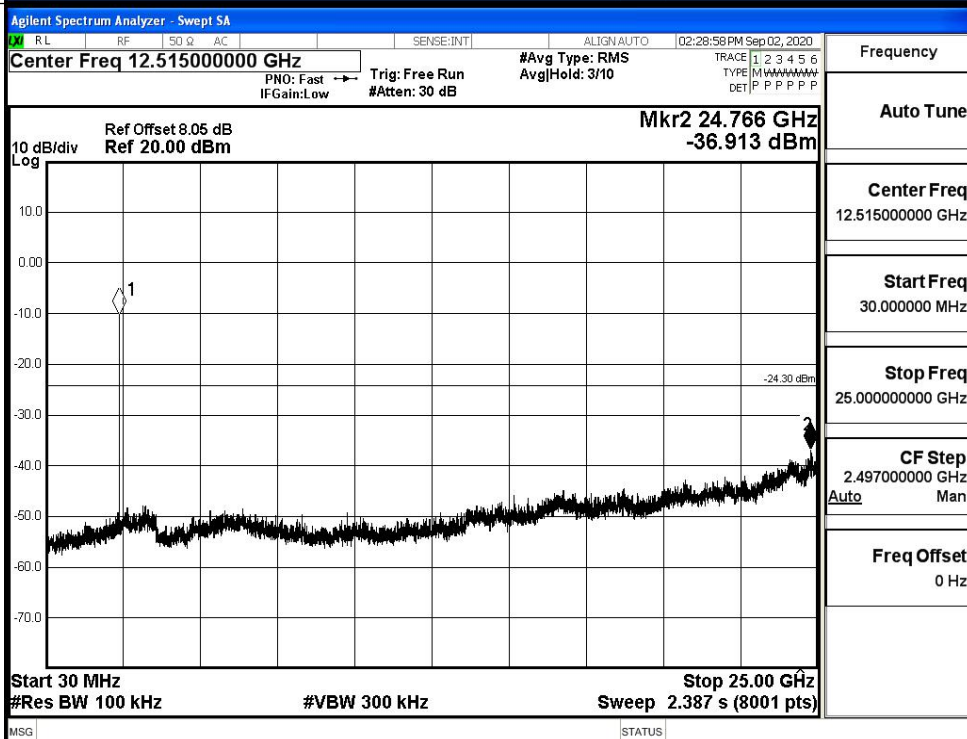


$\pi/4$ DQPSK LCH_Graphs

Pref

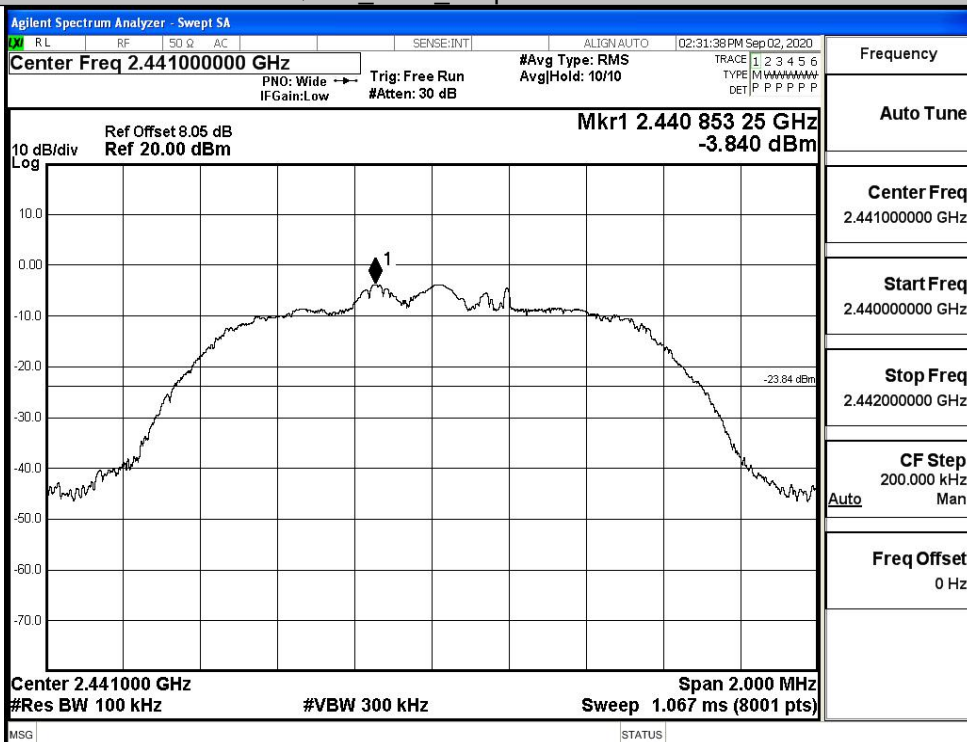


Puw



π /4DQPSK_MCH_Graphs

Pref



Puw

