

Appendix A
RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)
Product Name: BRAZEN PYTHON and BRAZEN SABRE 2.0
BLUETOOTH SURROUND SOUND GAMING CHAIR
Trade Mark: BRAZEN
Test Model: BX-306

Environmental Conditions

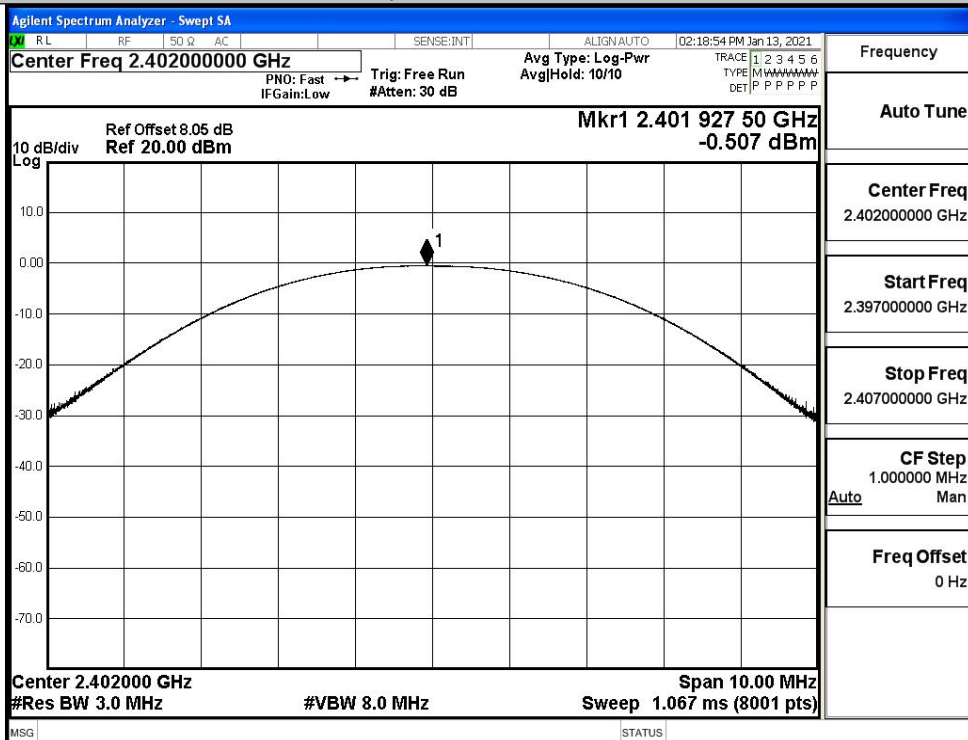
Temperature:	24.6 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ben Jin
Supervised by:	Li Huan

A.1 Maximum Conducted Peak Output Power

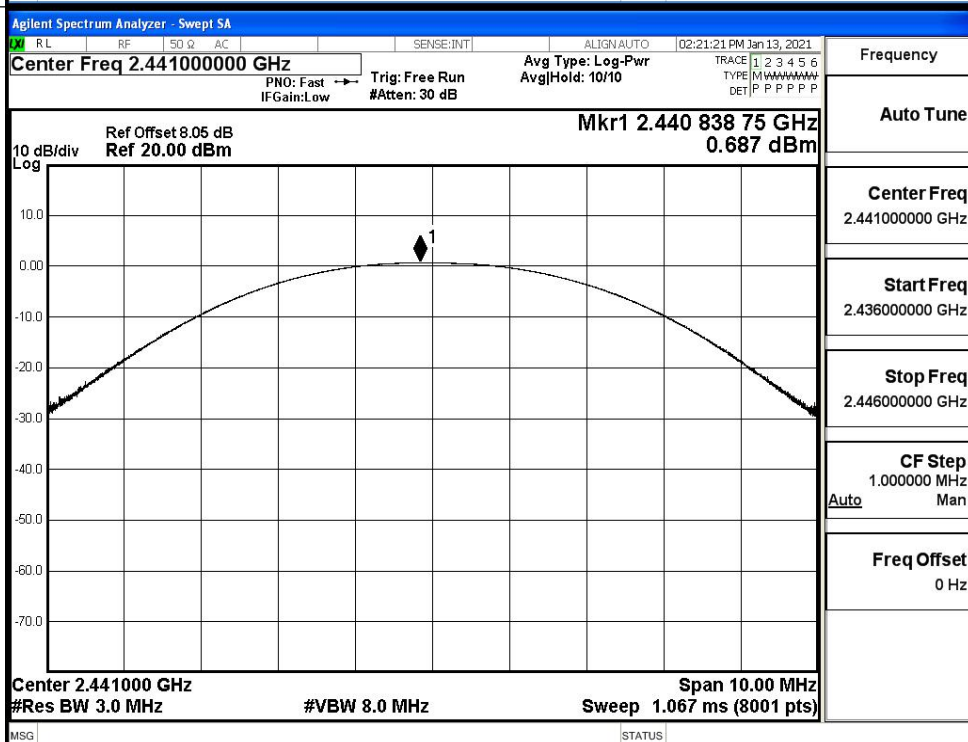
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.507	21	PASS
	MCH	0.687	21	PASS
	HCH	1.435	21	PASS
$\pi/4$ DQPSK	LCH	-0.317	21	PASS
	MCH	0.917	21	PASS
	HCH	1.777	21	PASS

Test Graphs

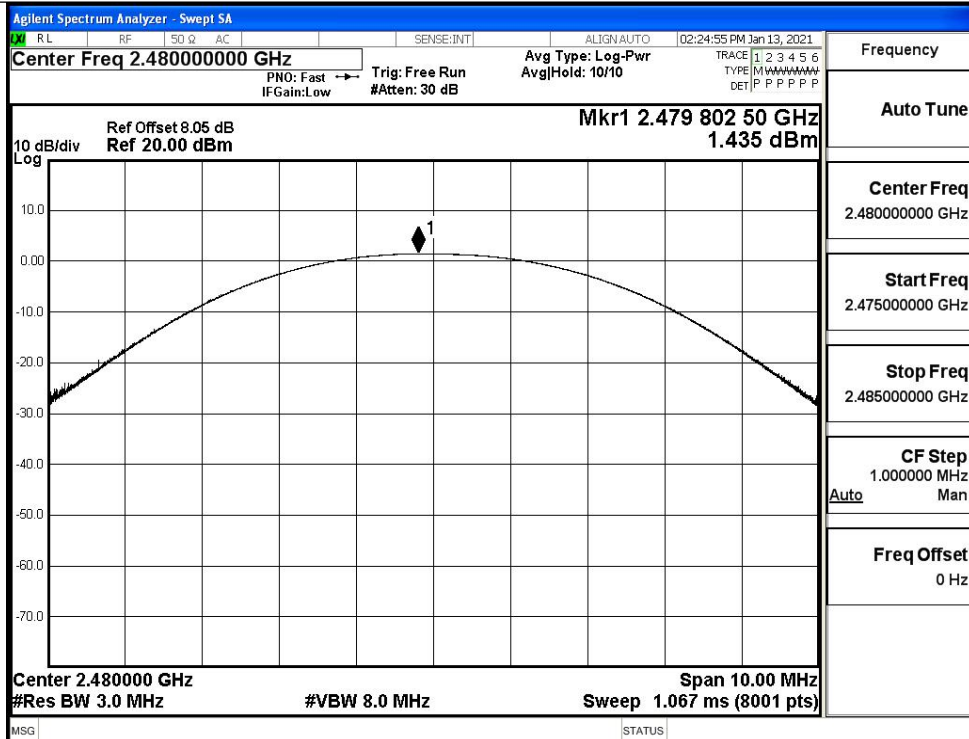
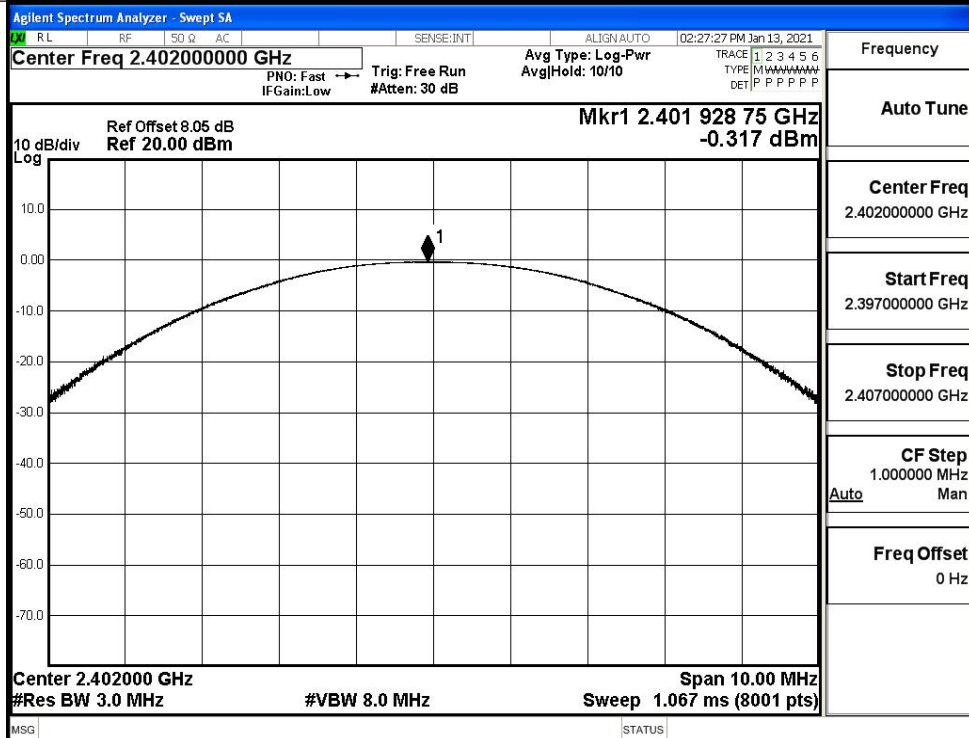
GFSK/LCH

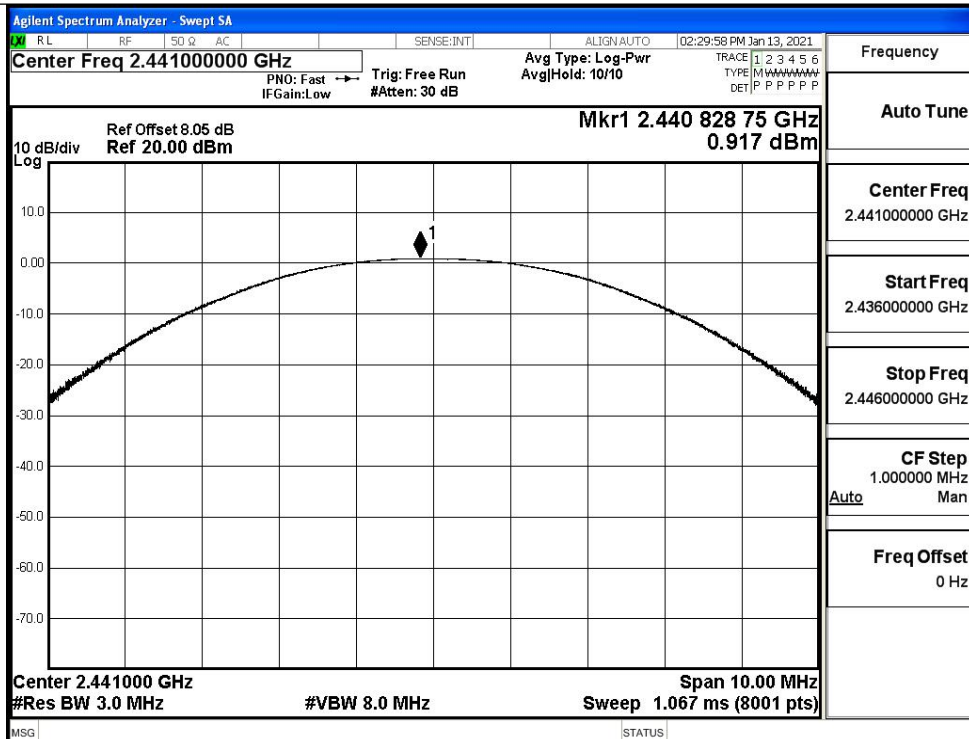
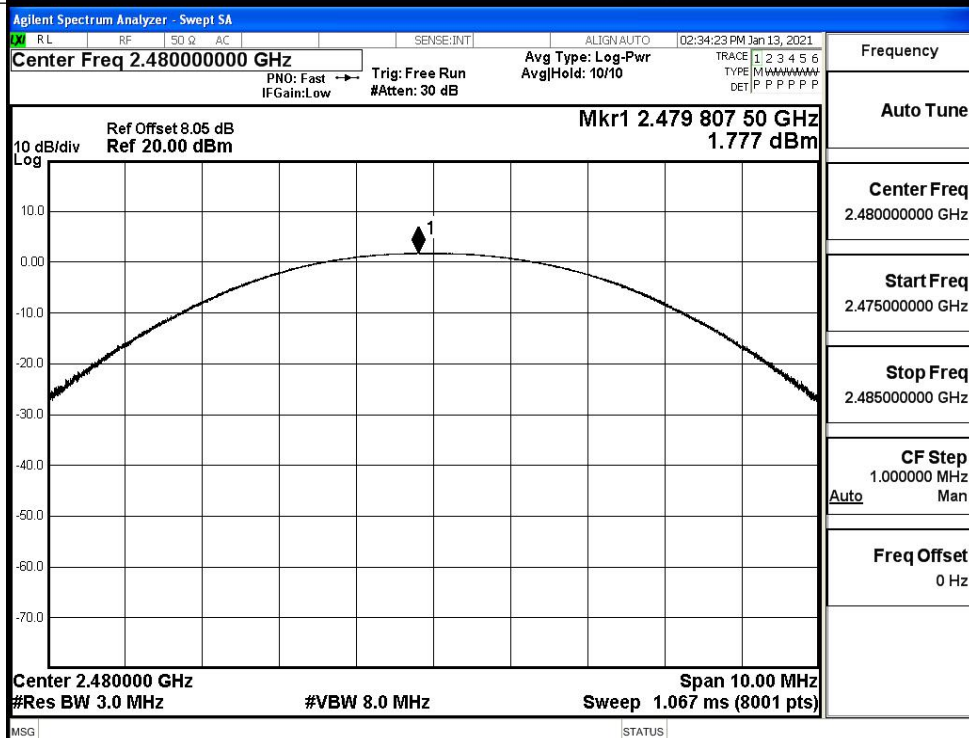


GFSK/MCH



GFSK/HCH

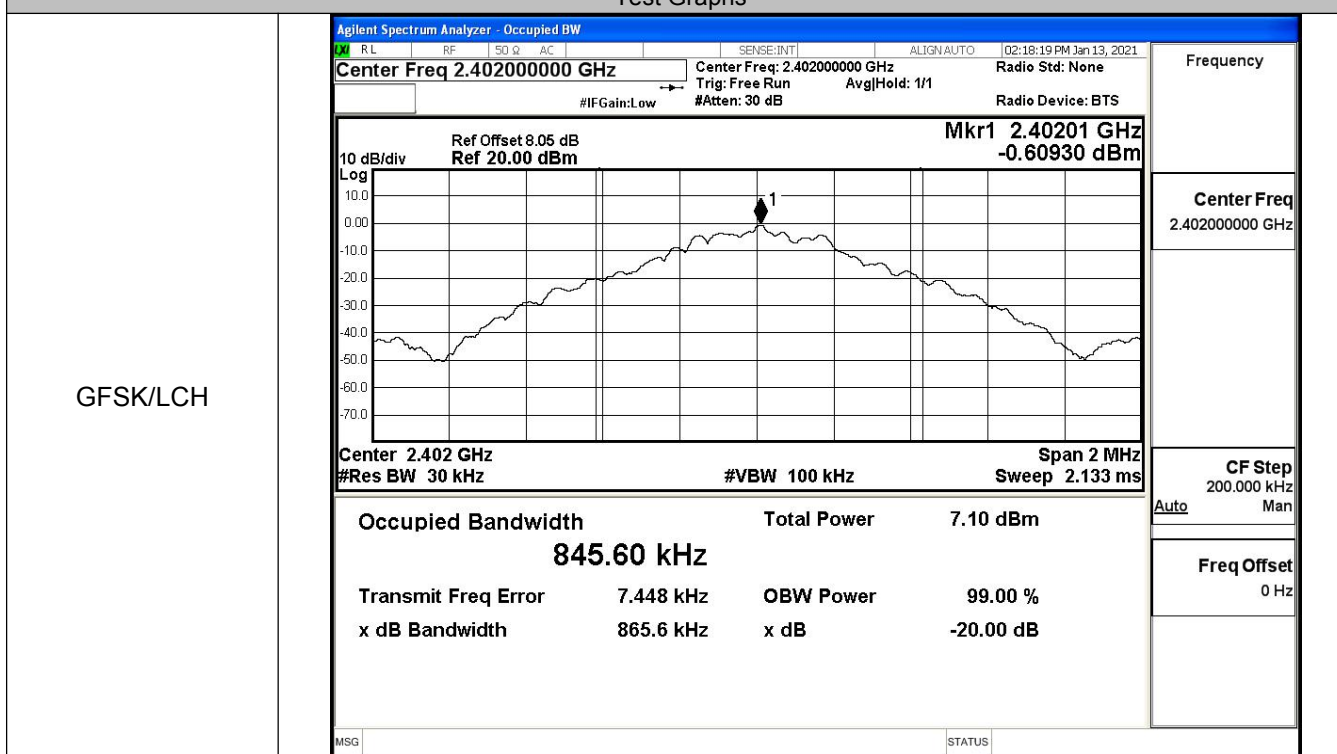
 $\pi/4$ DQPSK/LCH

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

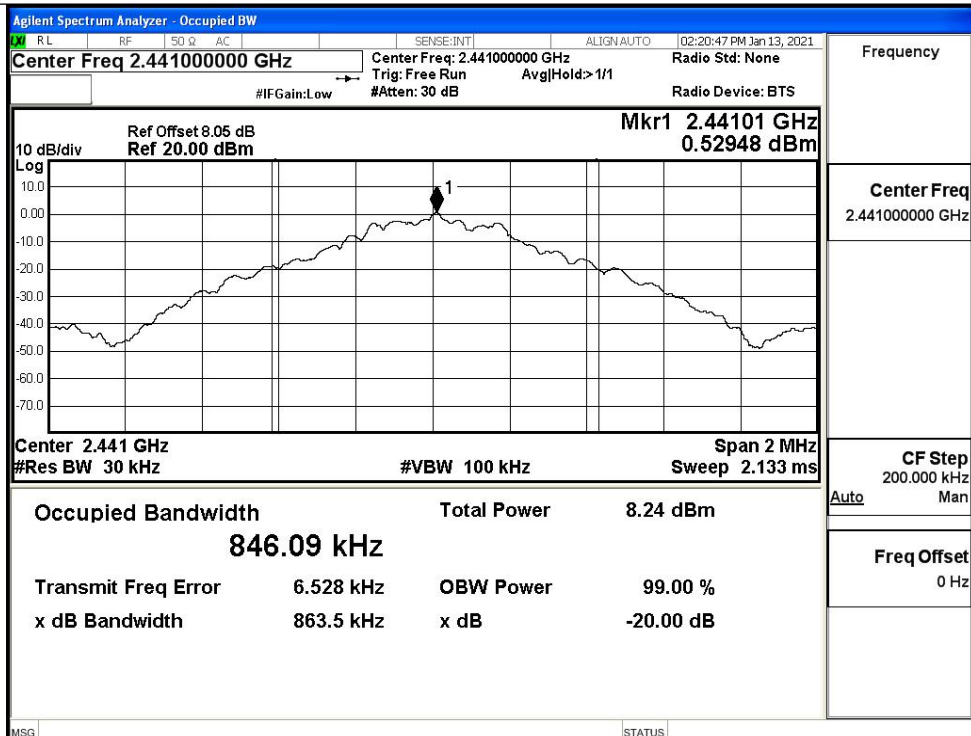
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.8656	Not Specified	PASS
	MCH	0.8635	Not Specified	PASS
	HCH	0.8603	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.244	Not Specified	PASS
	MCH	1.237	Not Specified	PASS
	HCH	1.238	Not Specified	PASS

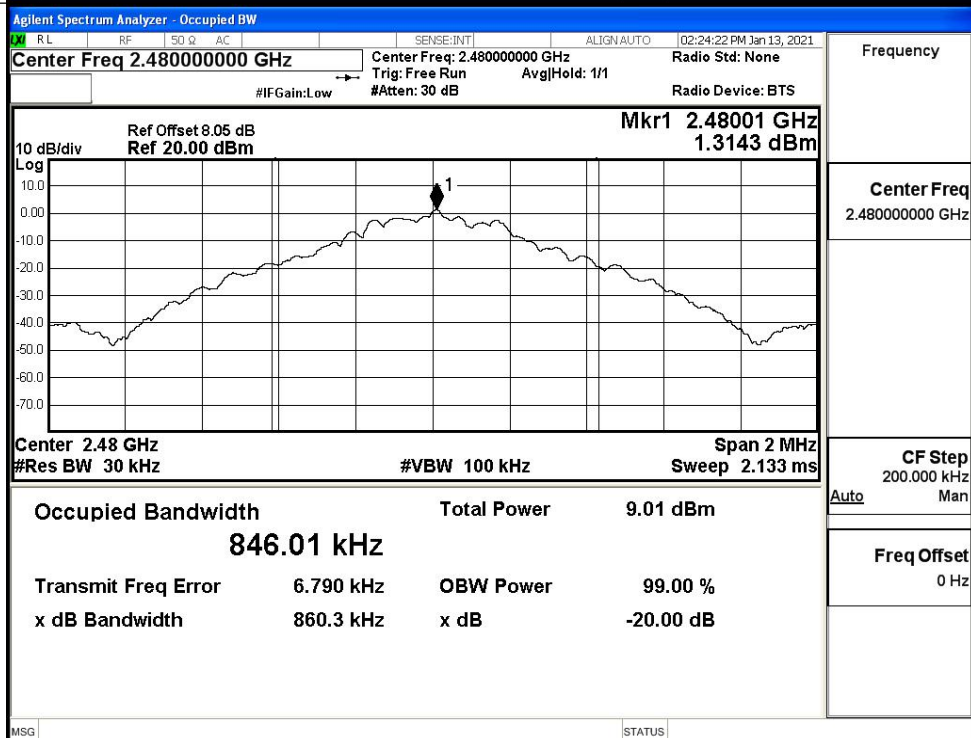
Test Graphs

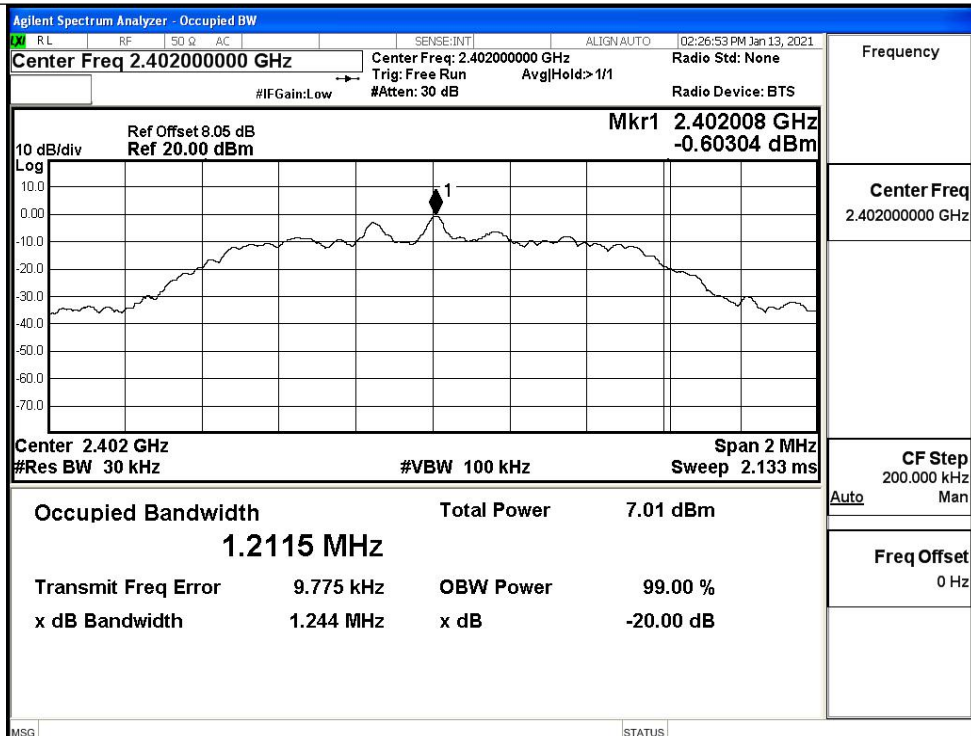
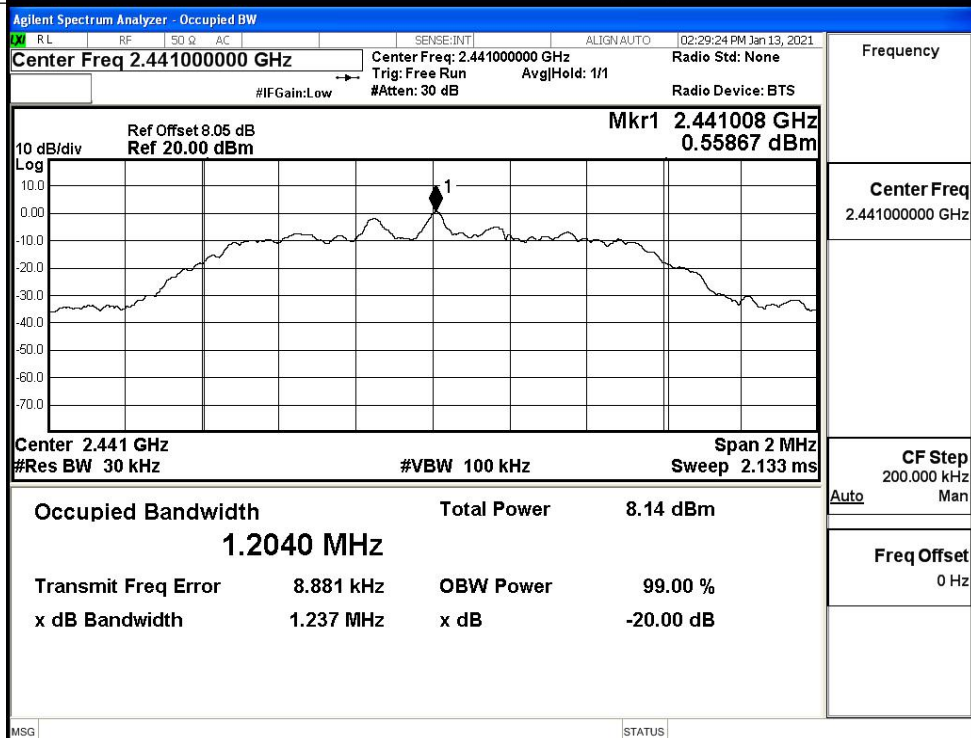


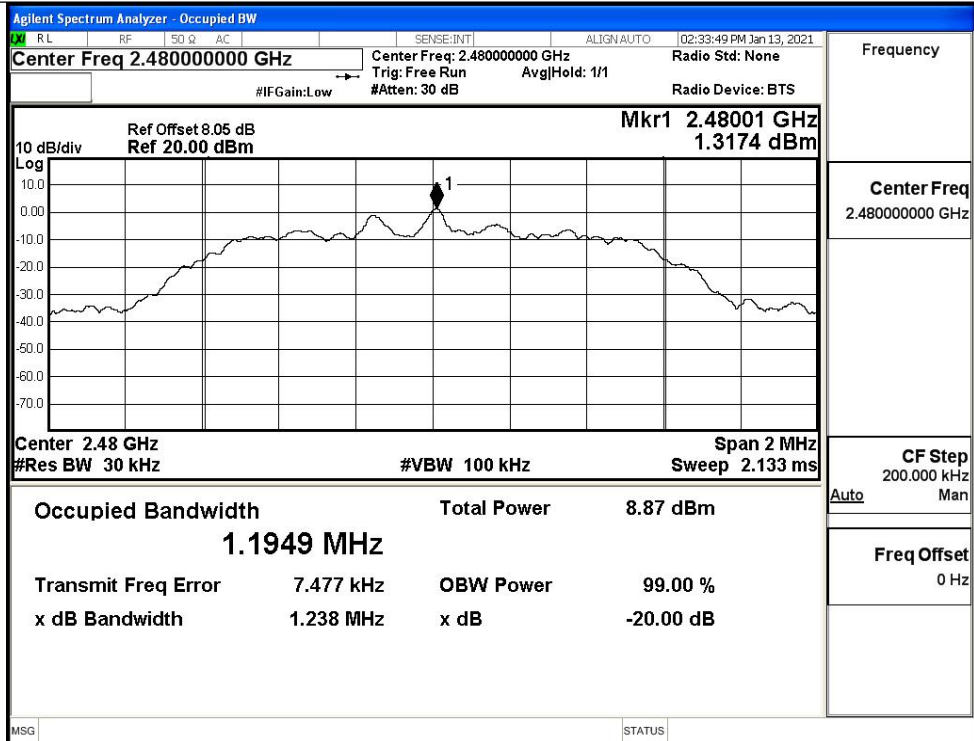
GFSK/MCH



GFSK/HCH



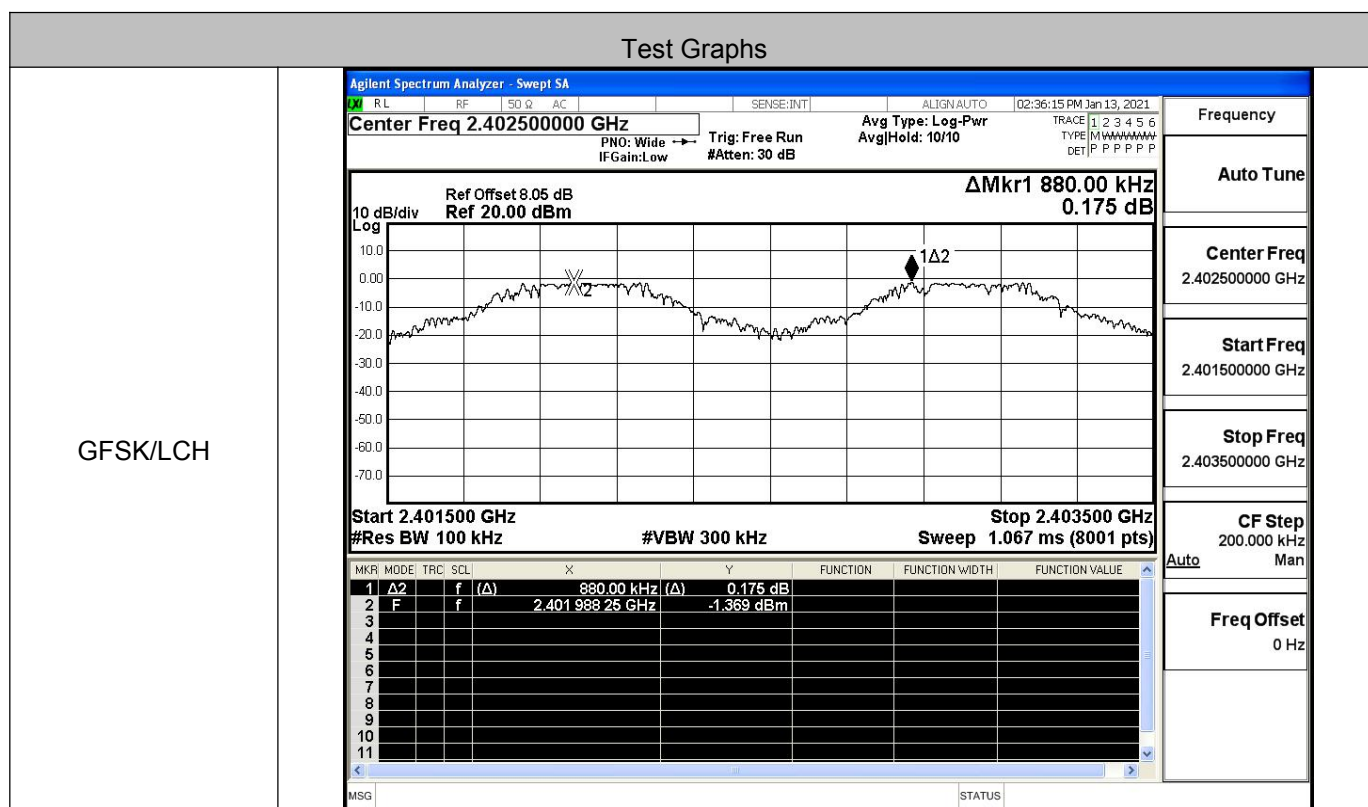
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

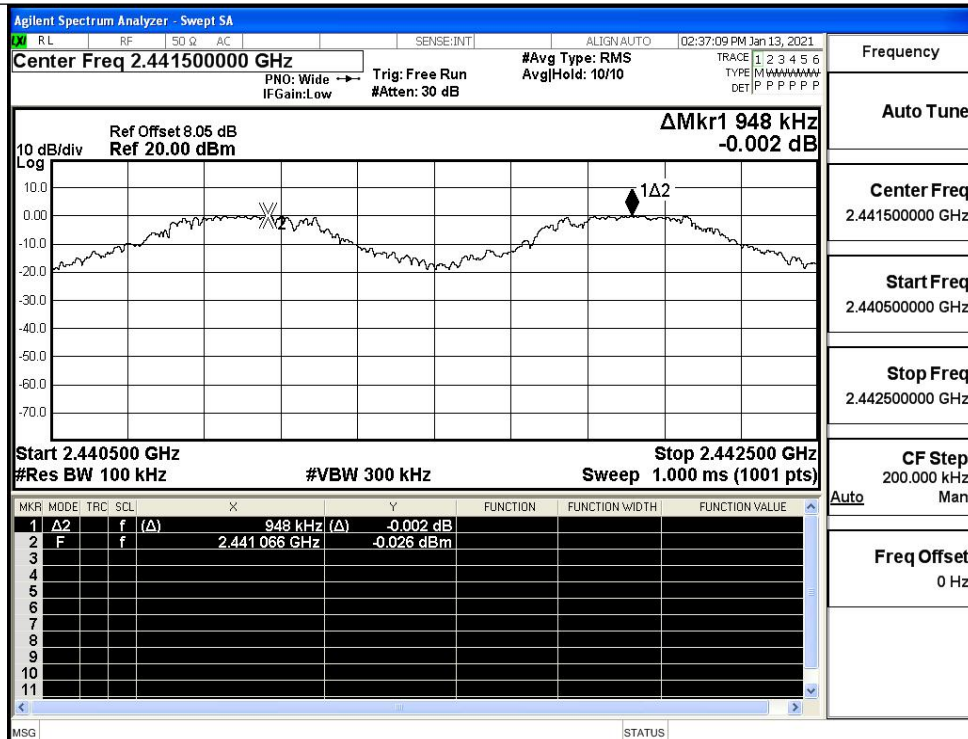
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.880	0.577	PASS
	MCH	0.948	0.577	PASS
	HCH	1.022	0.577	PASS
$\pi/4$ DQPSK	LCH	1.202	0.829	PASS
	MCH	0.998	0.829	PASS
	HCH	0.860	0.829	PASS

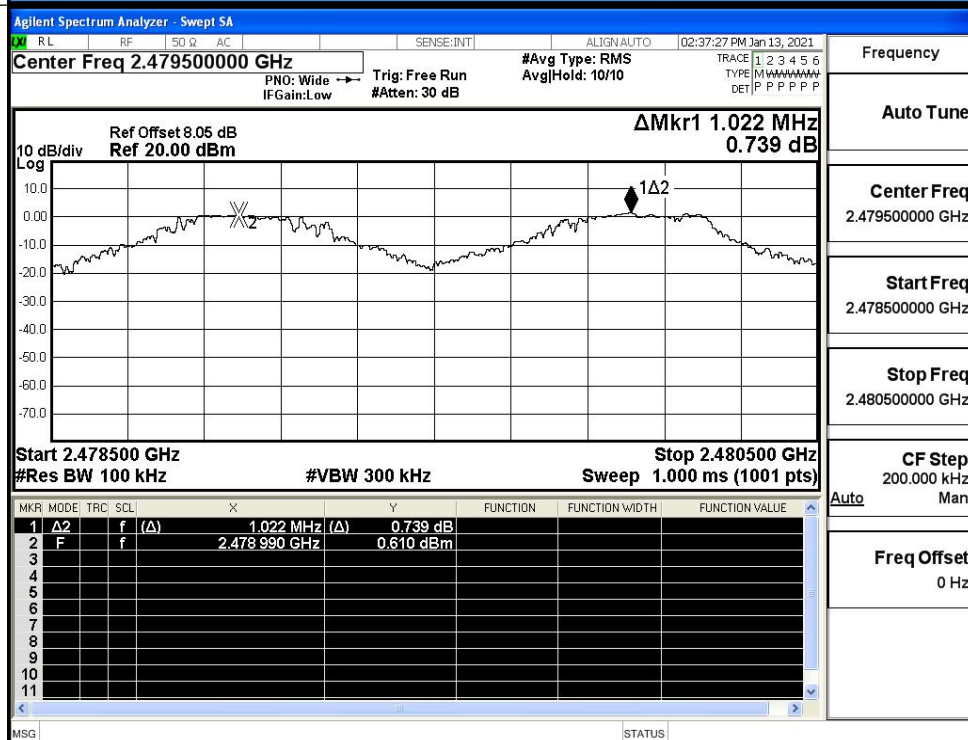
Test Graphs

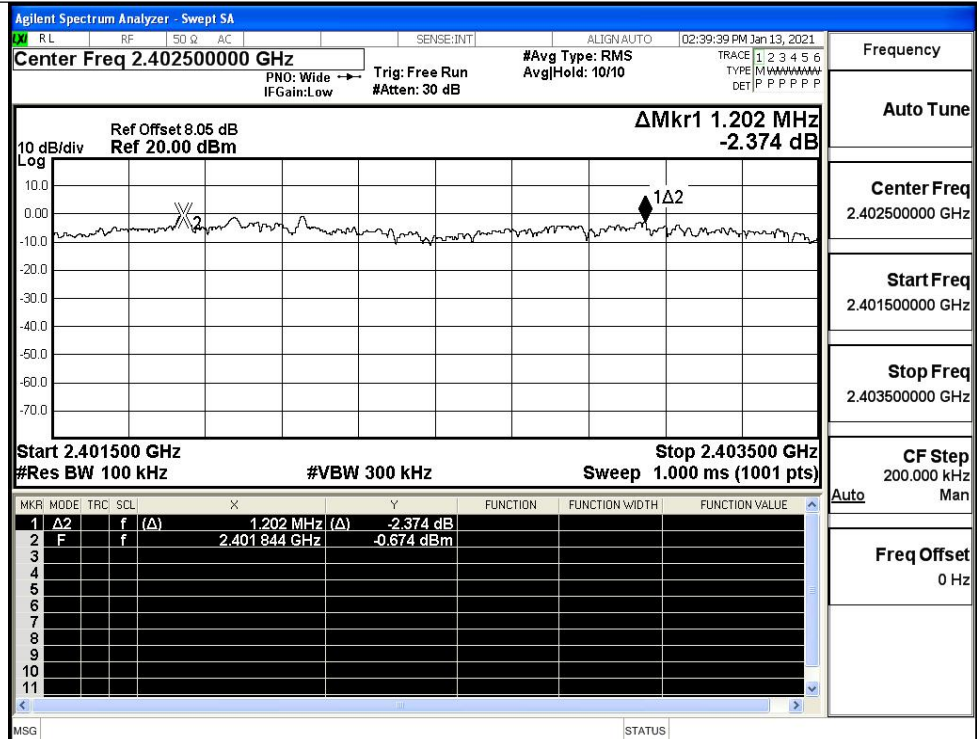
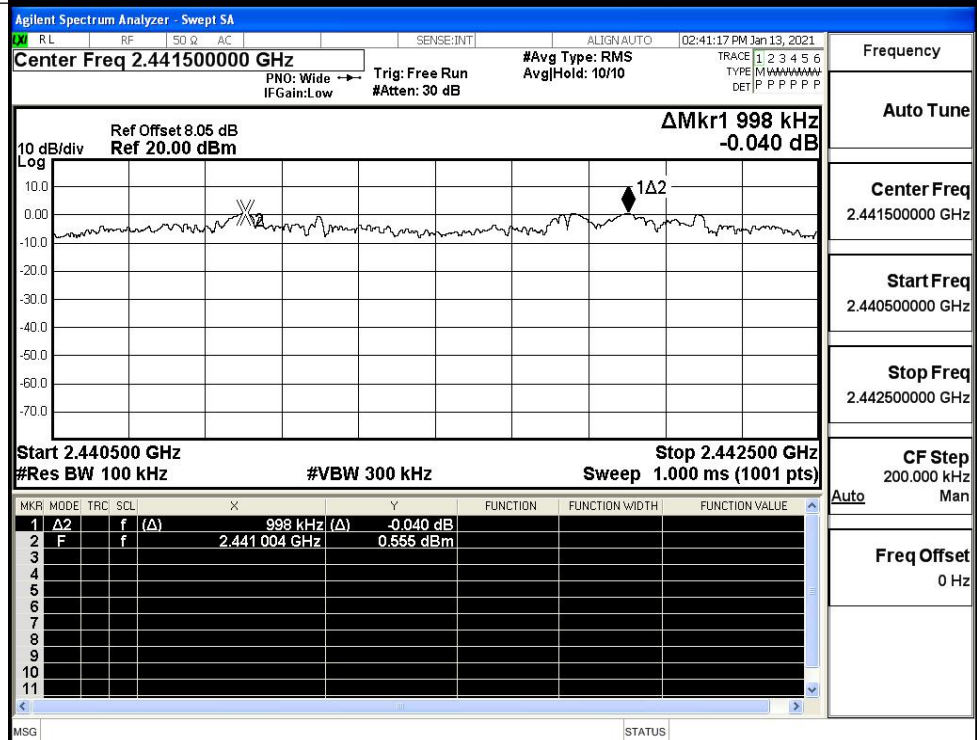


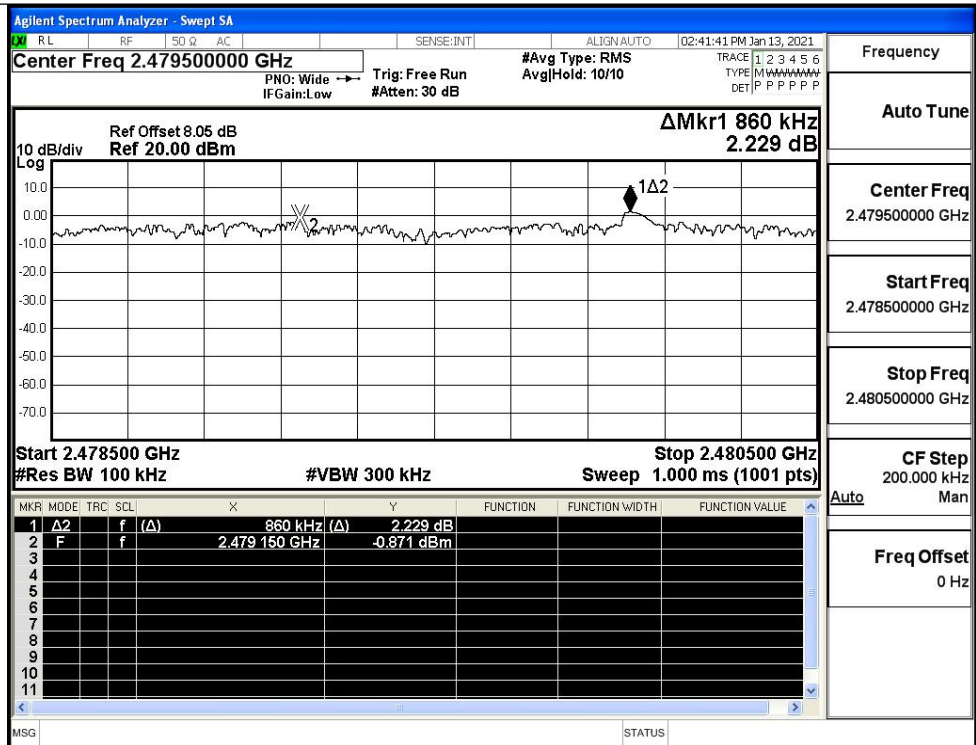
GFSK/MCH



GFSK/HCH



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

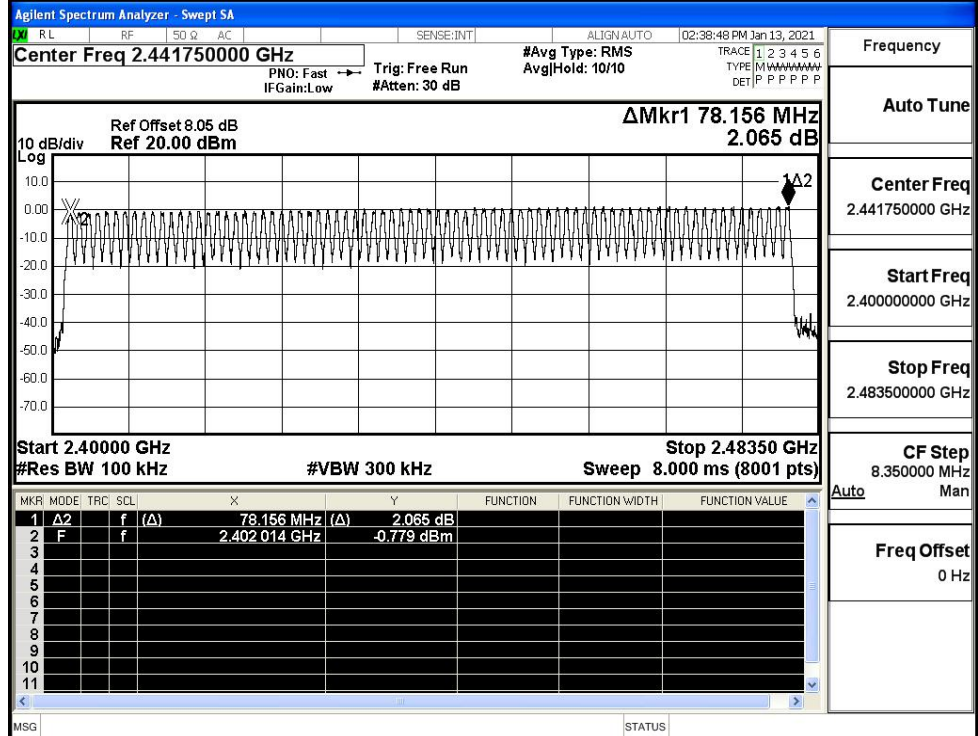
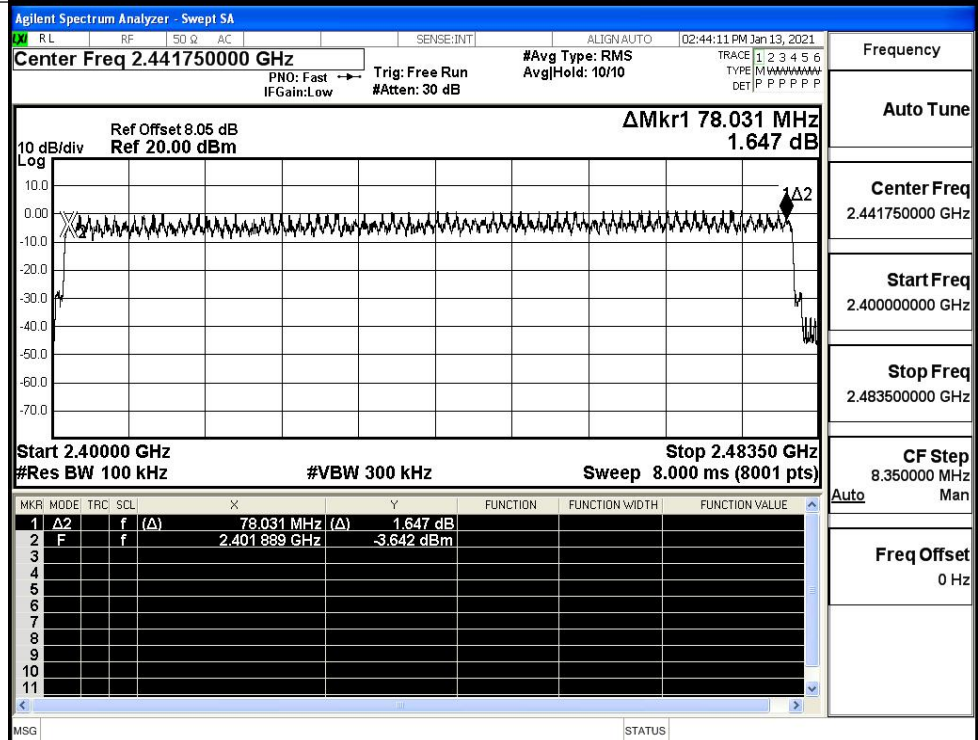
$\pi/4$ DQPSK/HCH

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

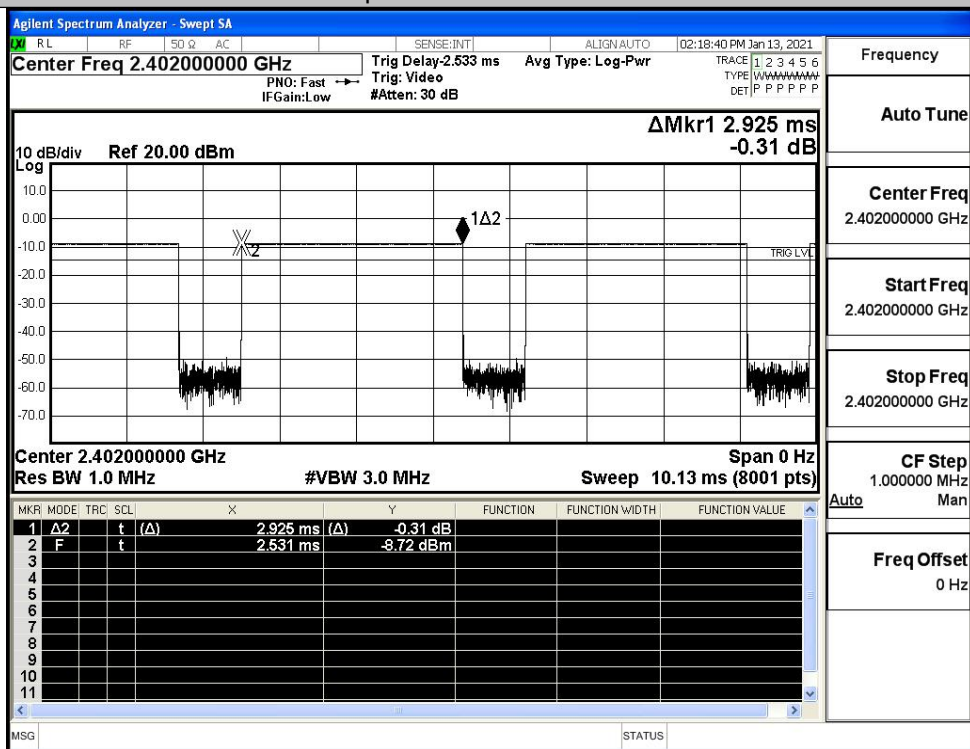
 $\pi/4$ DQPSK/Hop

A.5 Dwell Time

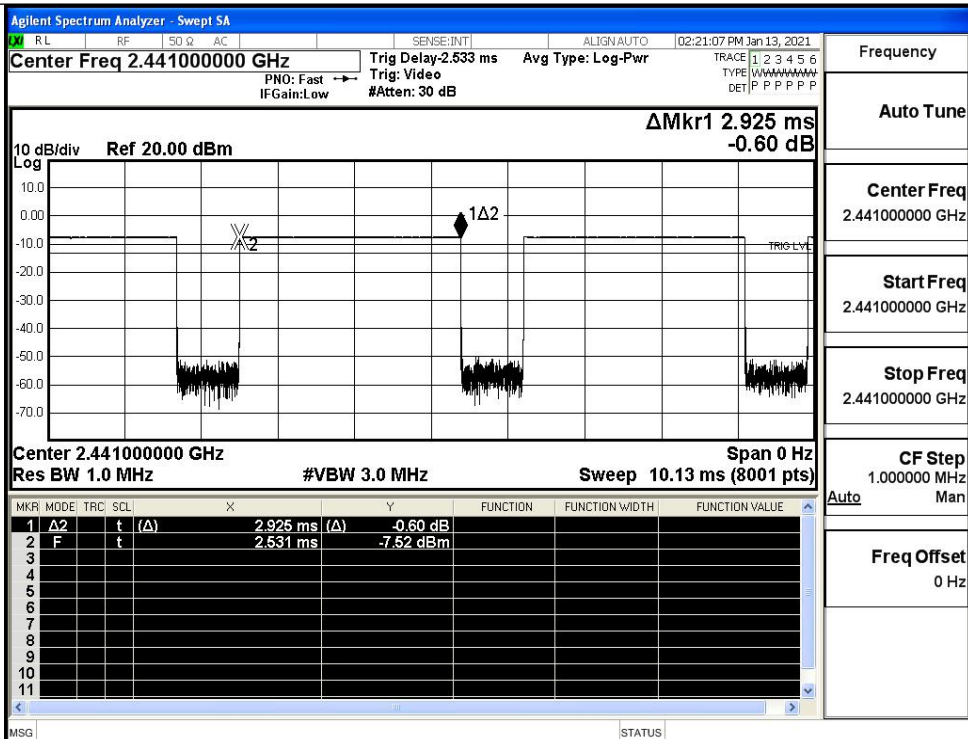
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.92	106.7	0.312	0.4	PASS
	DH5	MCH	2.92	106.7	0.312	0.4	PASS
	DH5	HCH	2.92	106.7	0.312	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	2.92	106.7	0.313	0.4	PASS
	2DH5	MCH	2.92	106.7	0.313	0.4	PASS
	2DH5	HCH	2.92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

Test Graphs

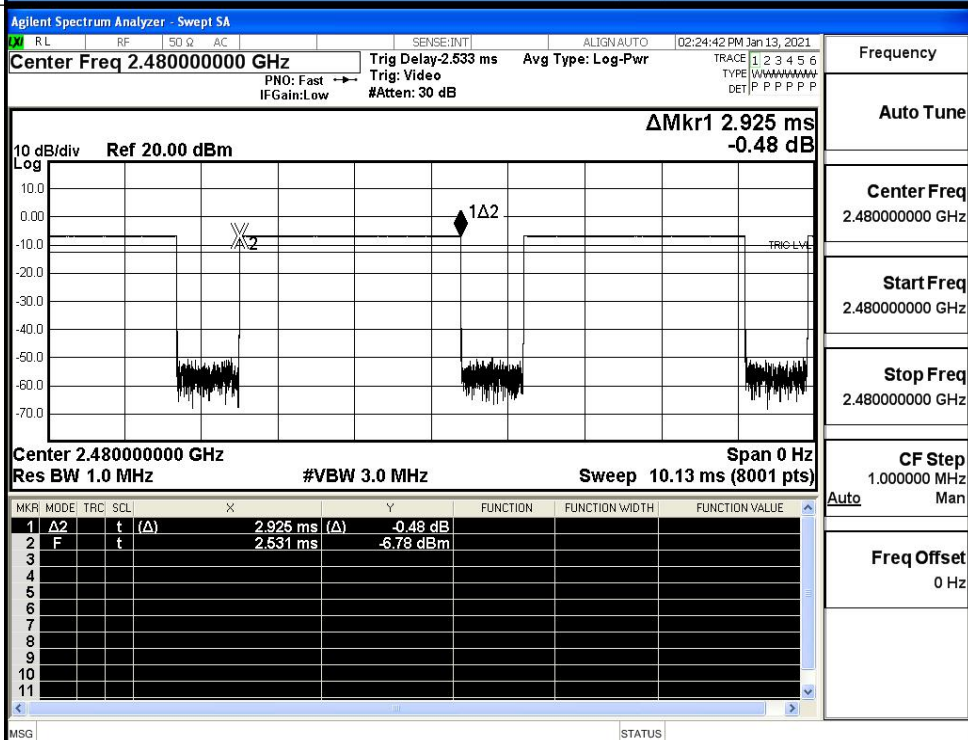
GFSK_DH5/LCH



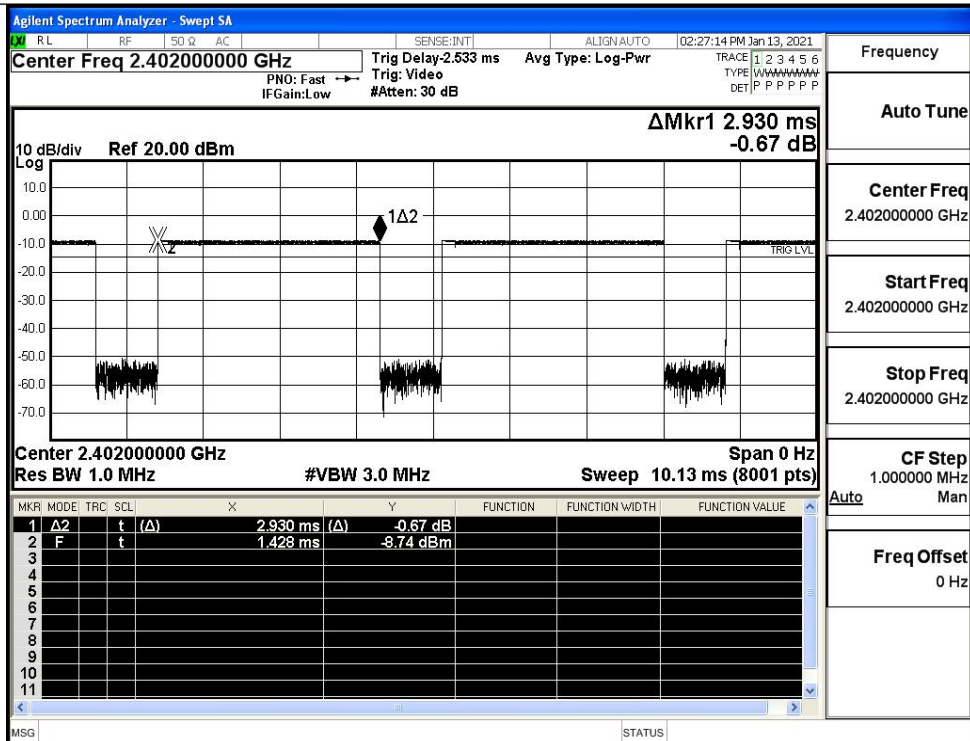
GFSK_DH5/MCH



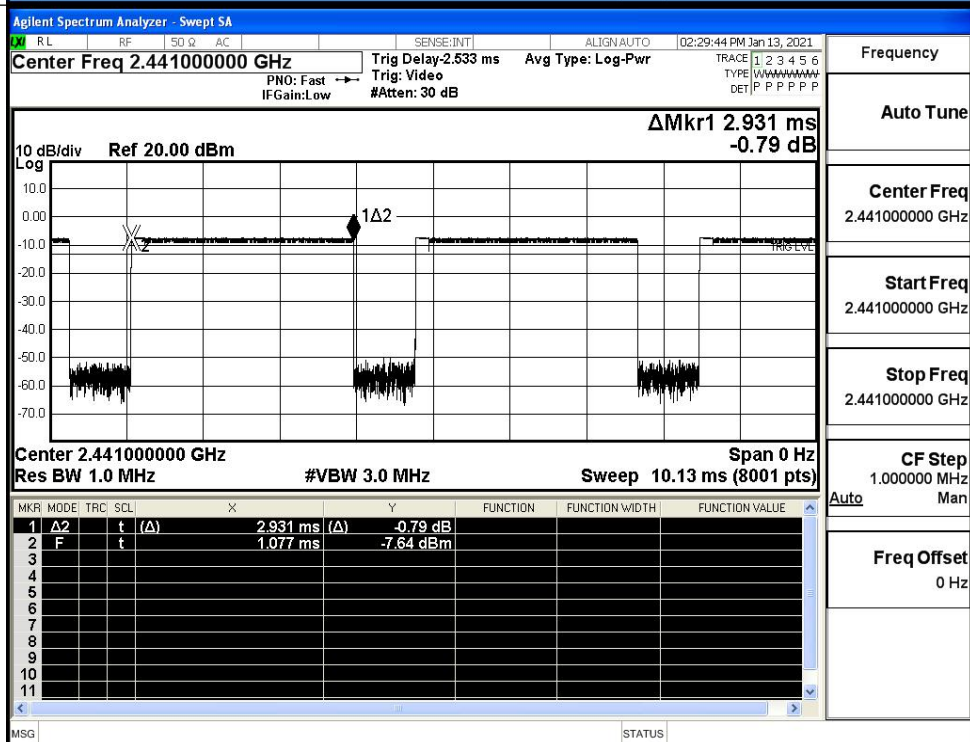
GFSK_DH5/HCH



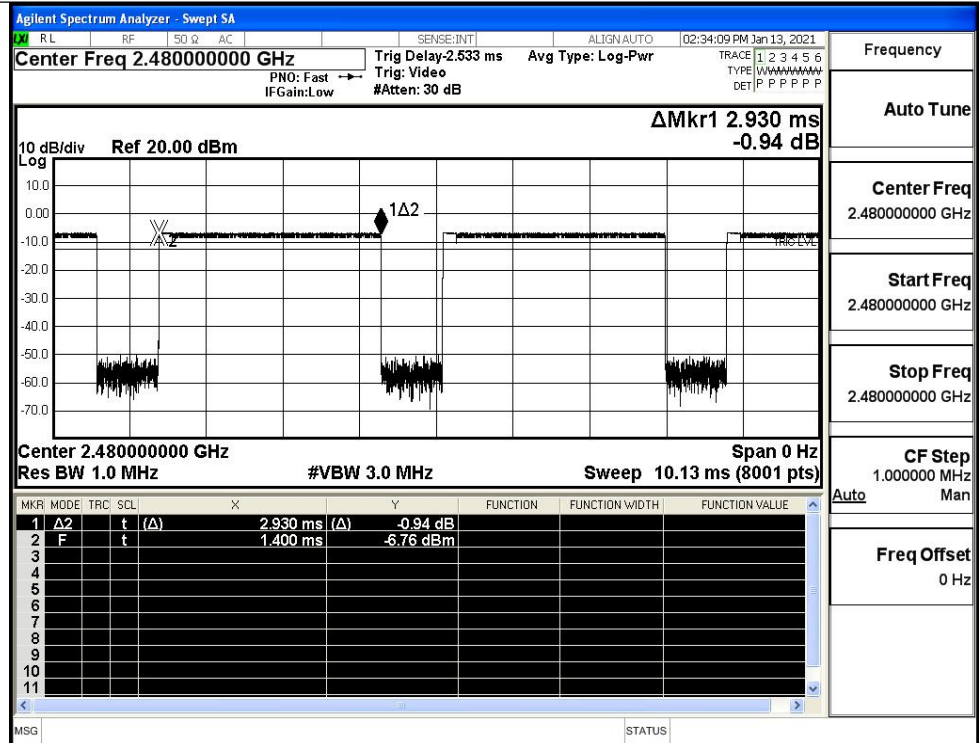
$\pi/4$ DQPSK
_2DH5/LCH



$\pi/4$ DQPSK
_2DH5/MCH



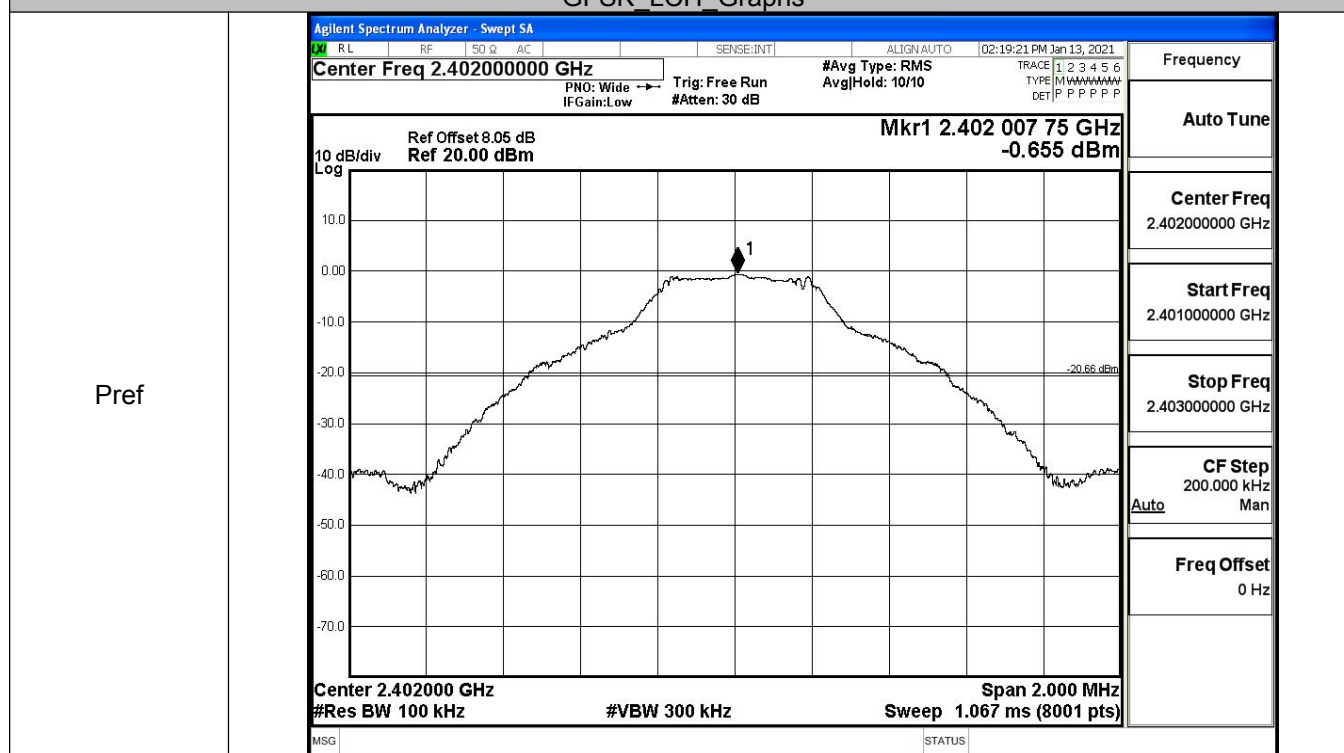
π/4DQPSK
_2DH5/HCH



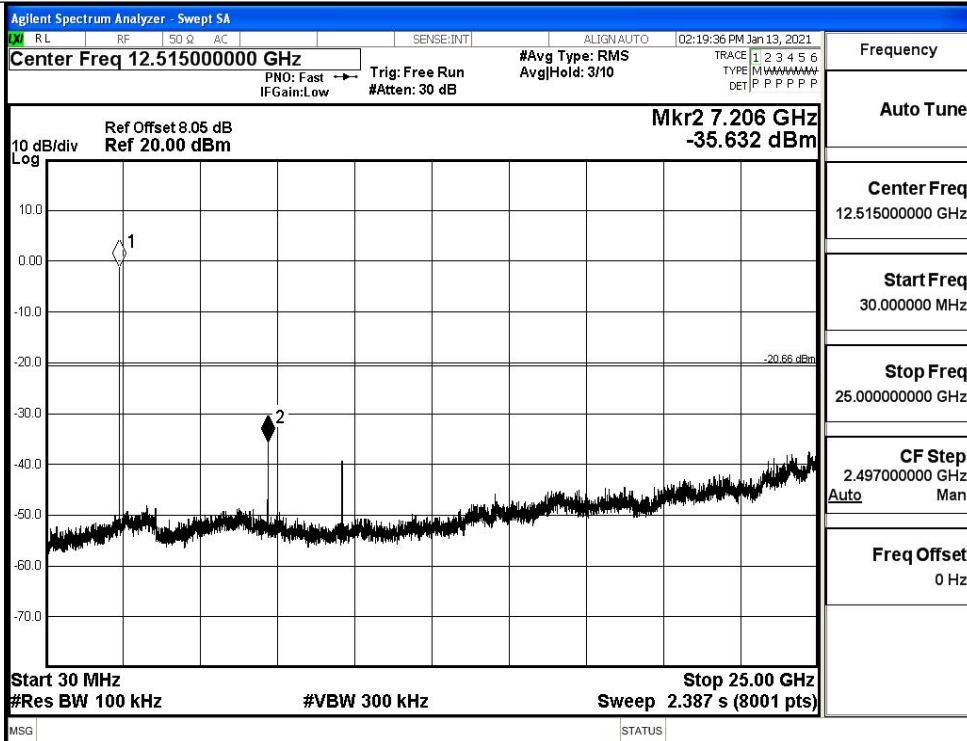
A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.655	-35.632	-20.655	PASS
	MCH	0.541	-38.050	-19.459	PASS
	HCH	1.295	-37.294	-18.705	PASS
$\pi/4$ DQPSK	LCH	-0.684	-38.119	-20.684	PASS
	MCH	0.545	-38.398	-19.455	PASS
	HCH	1.315	-38.161	-18.685	PASS

GFSK_LCH_Graphs

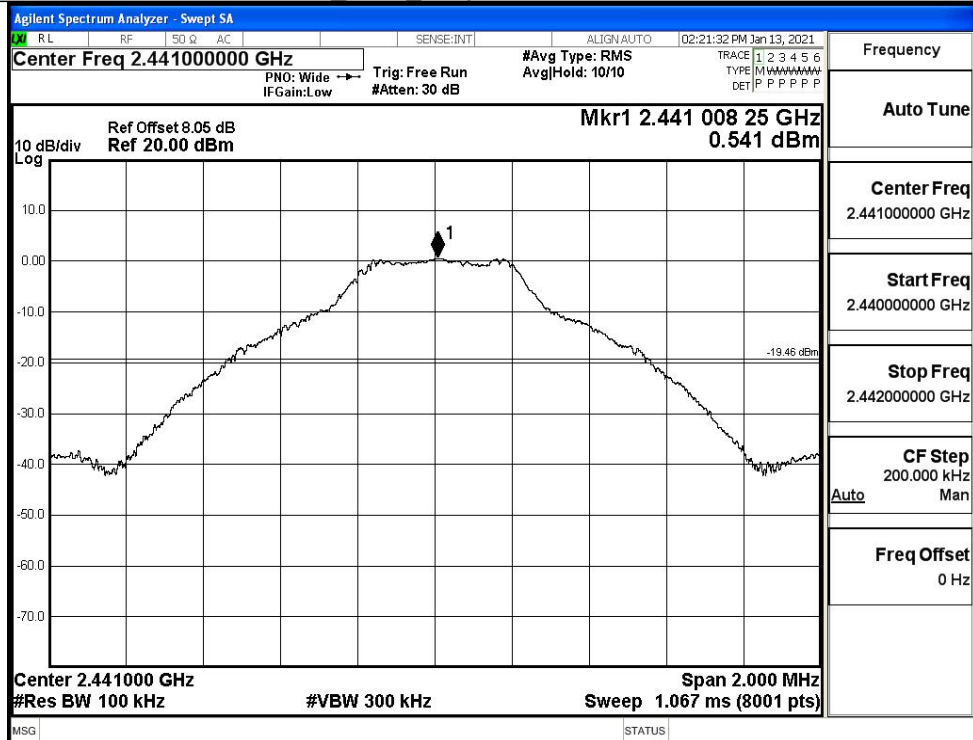


Puw



GFSK_MCH_Graphs

Pref



Puw

