

Appendix A

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

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE

Test Model: X60L

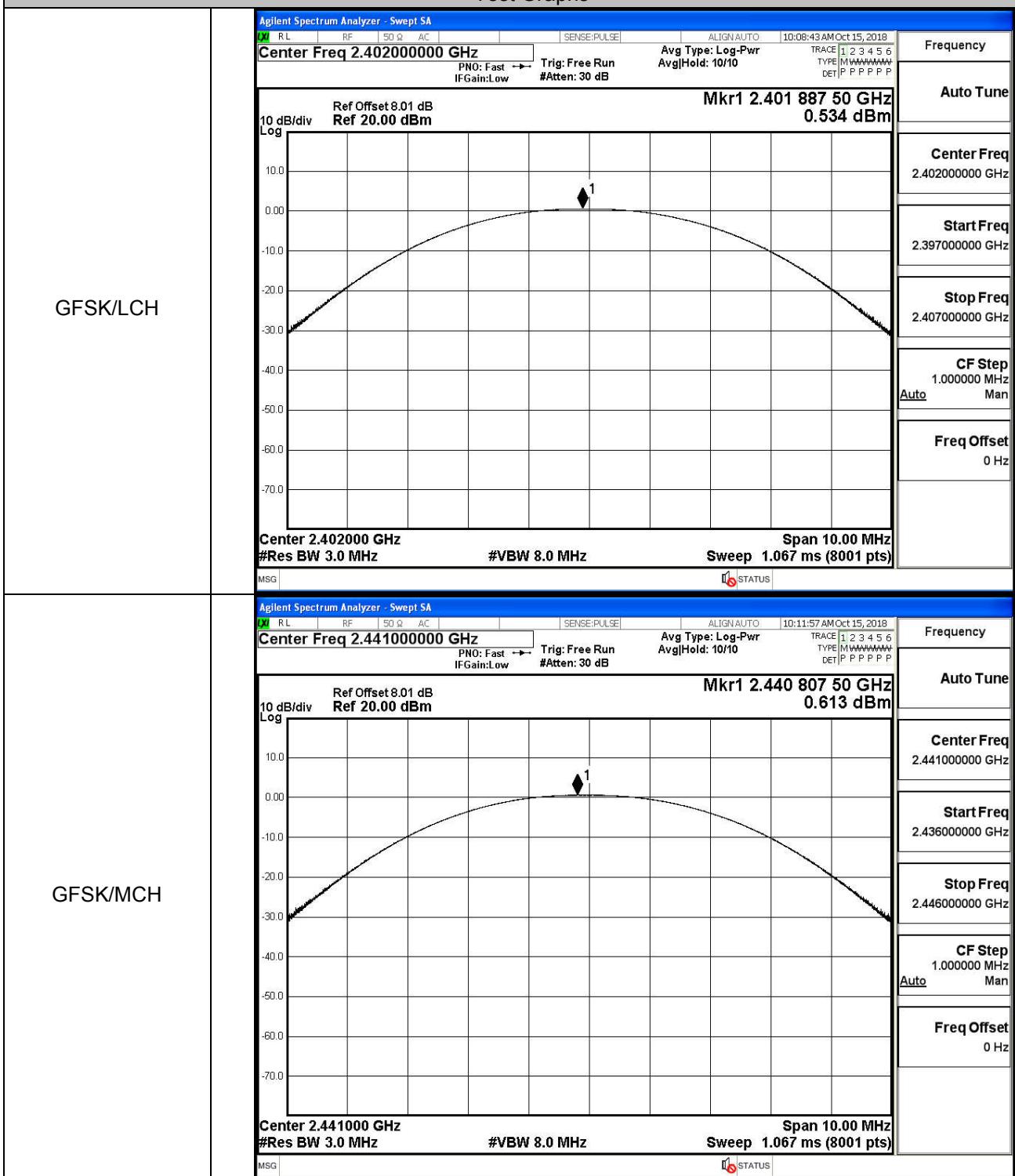
Environmental Conditions

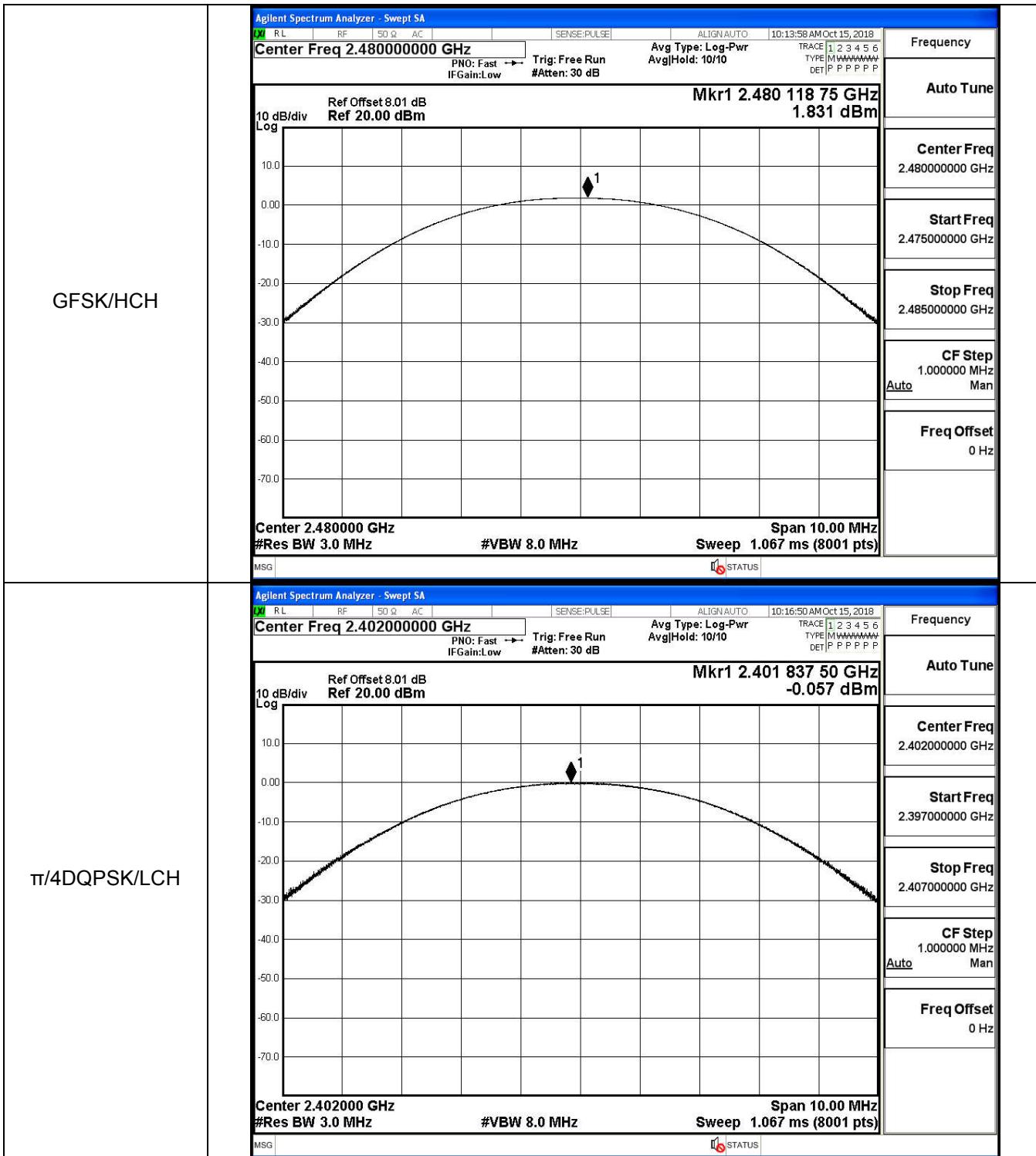
Temperature:	23.5 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

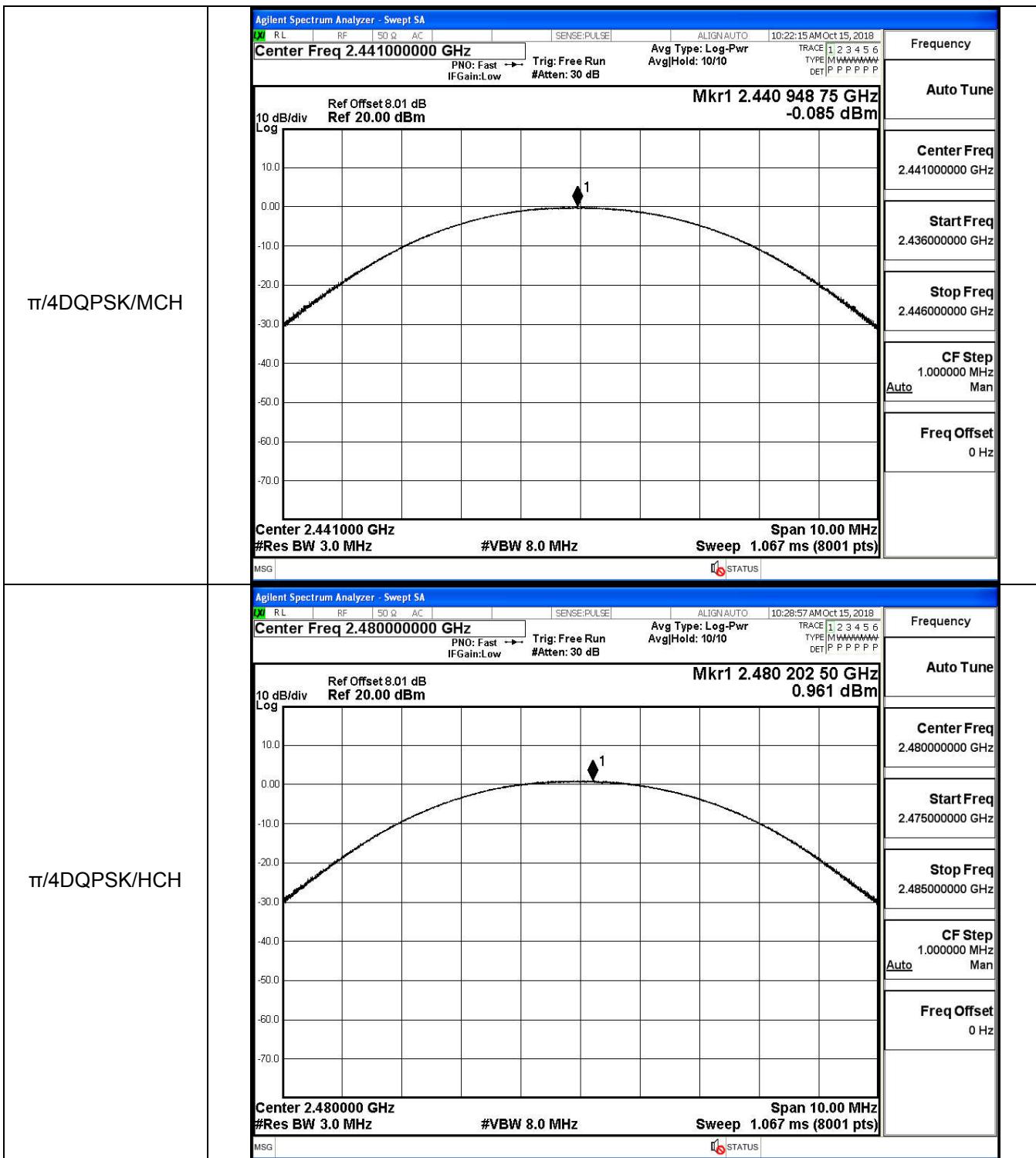
A.1 Maximum Conducted Peak Output Power

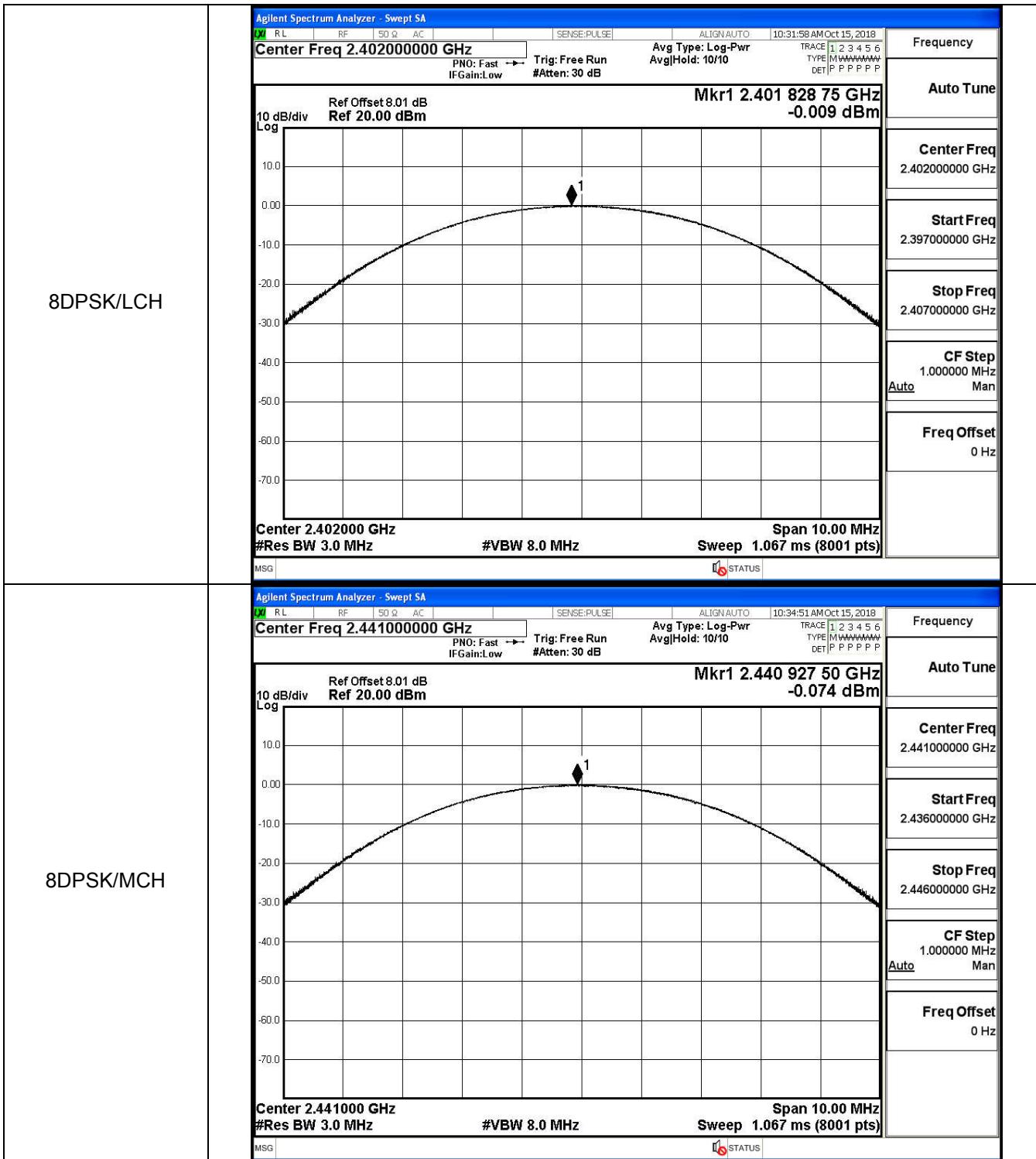
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.534	21	PASS
	MCH	0.613	21	PASS
	HCH	1.831	21	PASS
$\pi/4$ DQPSK	LCH	-0.057	21	PASS
	MCH	-0.085	21	PASS
	HCH	0.961	21	PASS
8DPSK	LCH	-0.009	21	PASS
	MCH	-0.074	21	PASS
	HCH	0.951	21	PASS

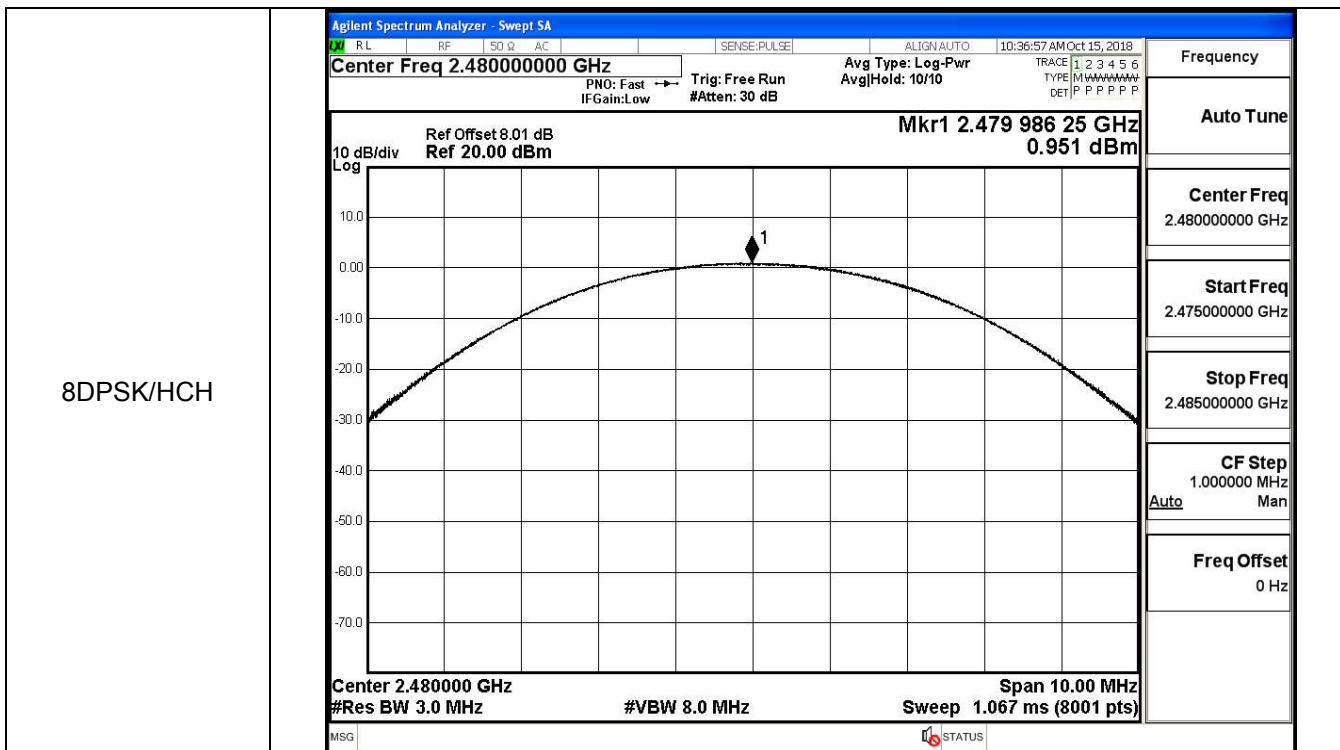
Test Graphs





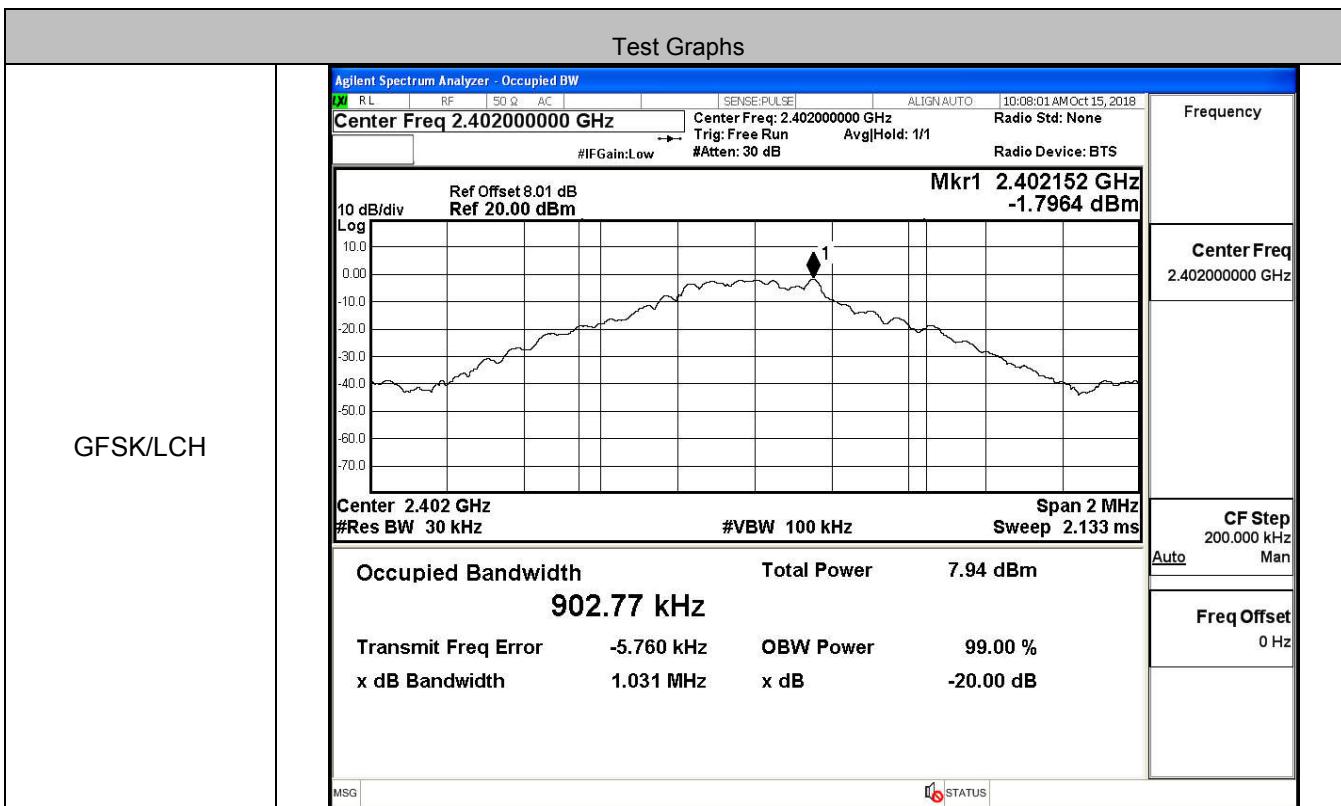


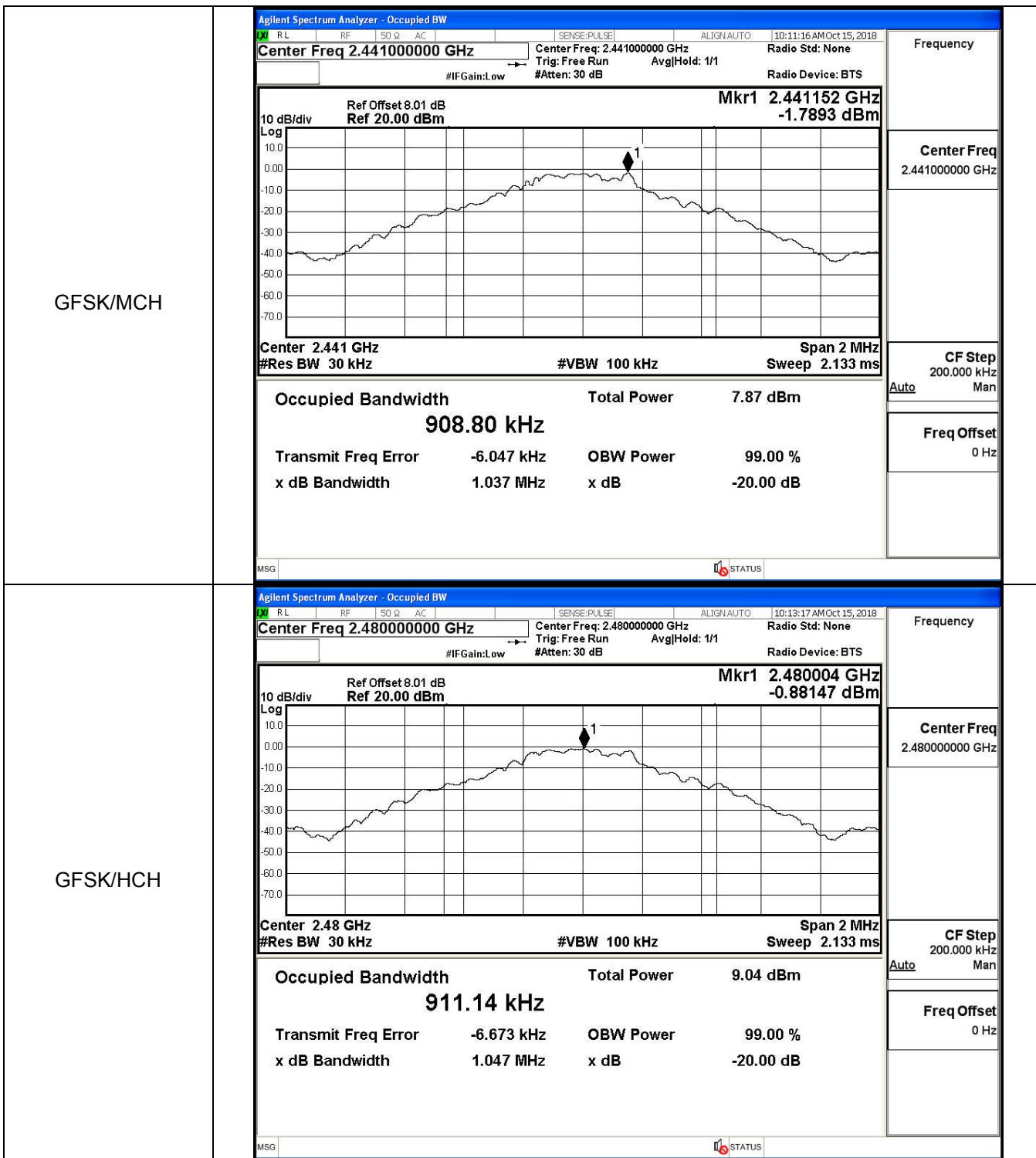


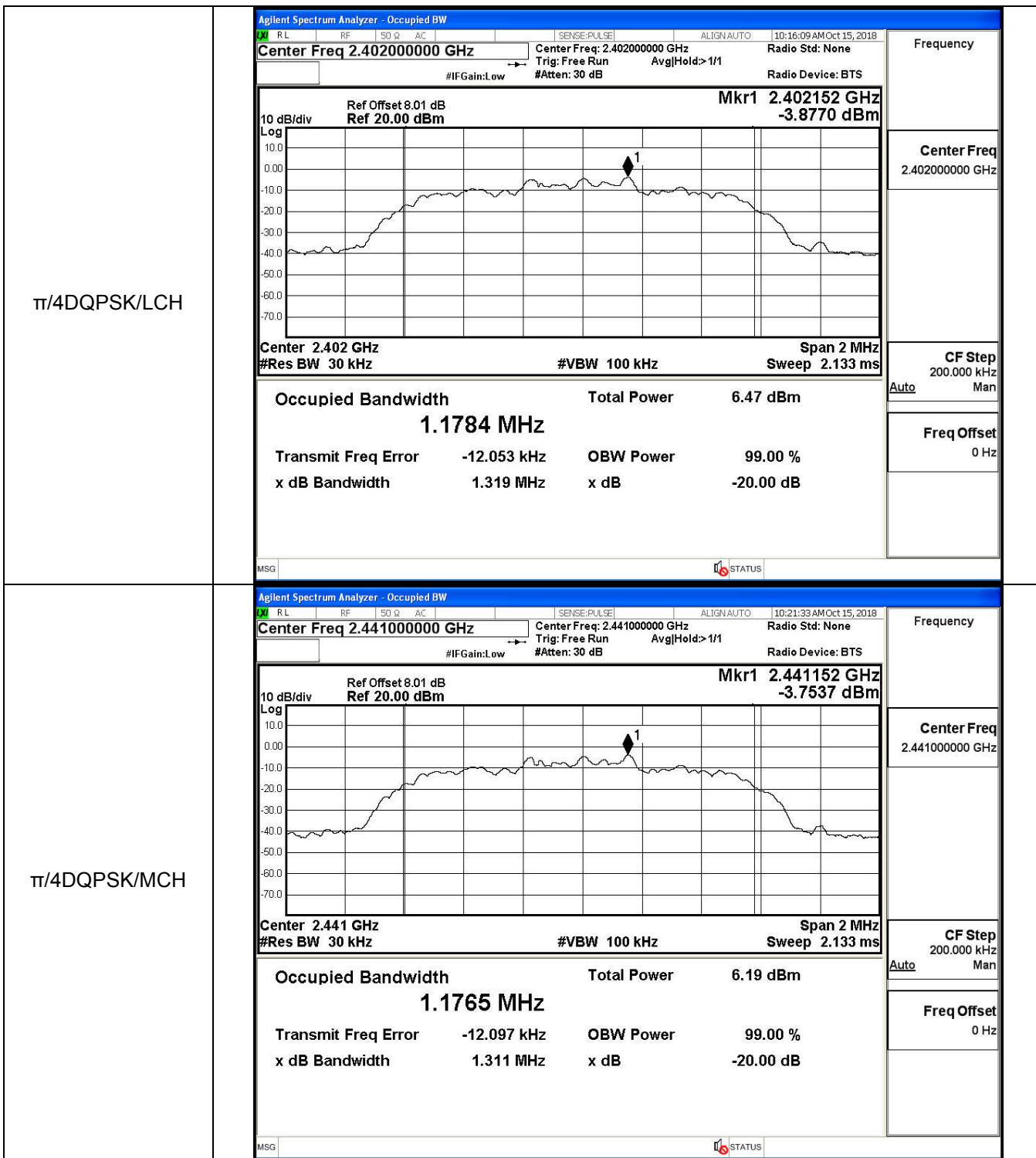


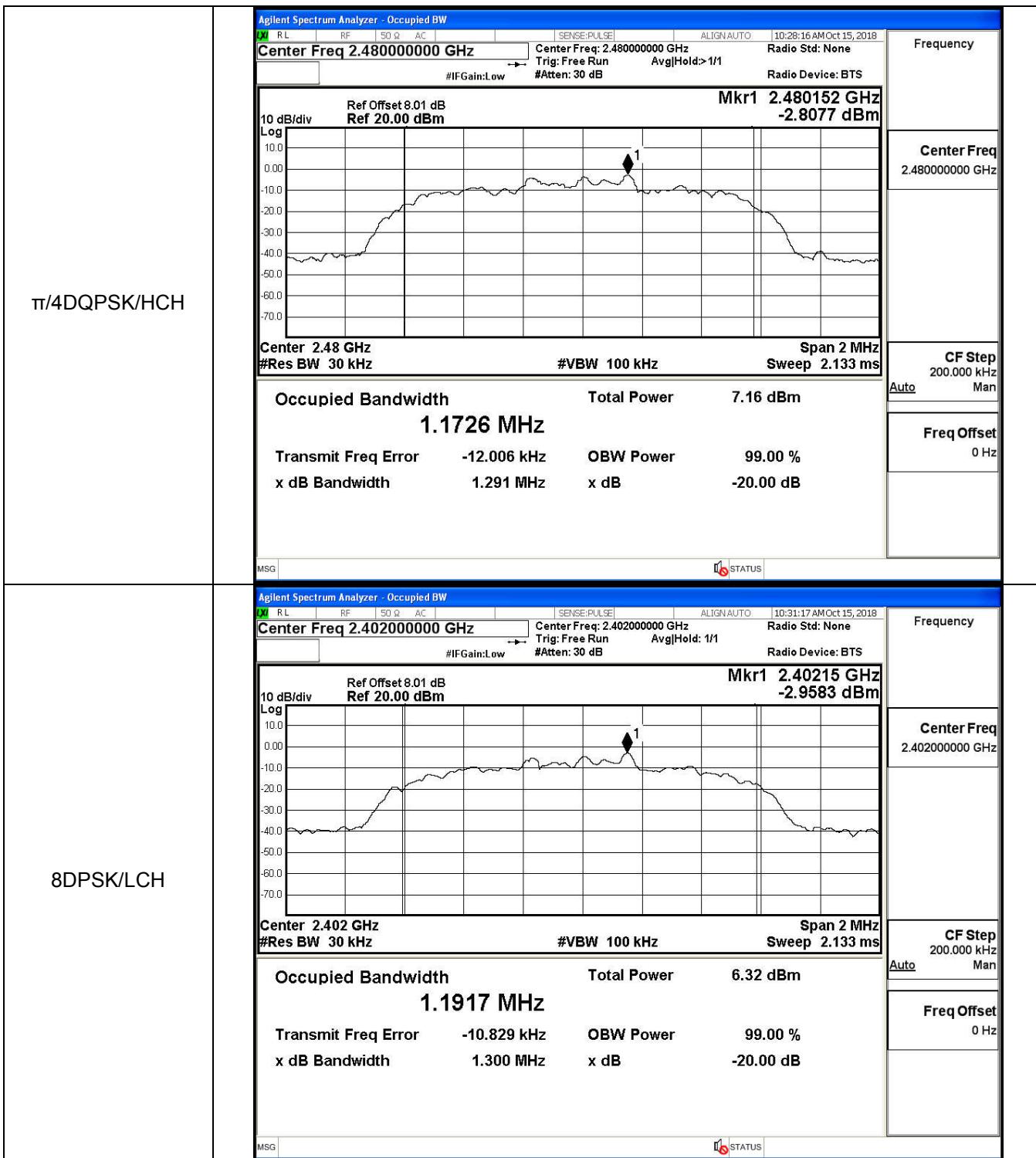
A.2 20dB Bandwidth

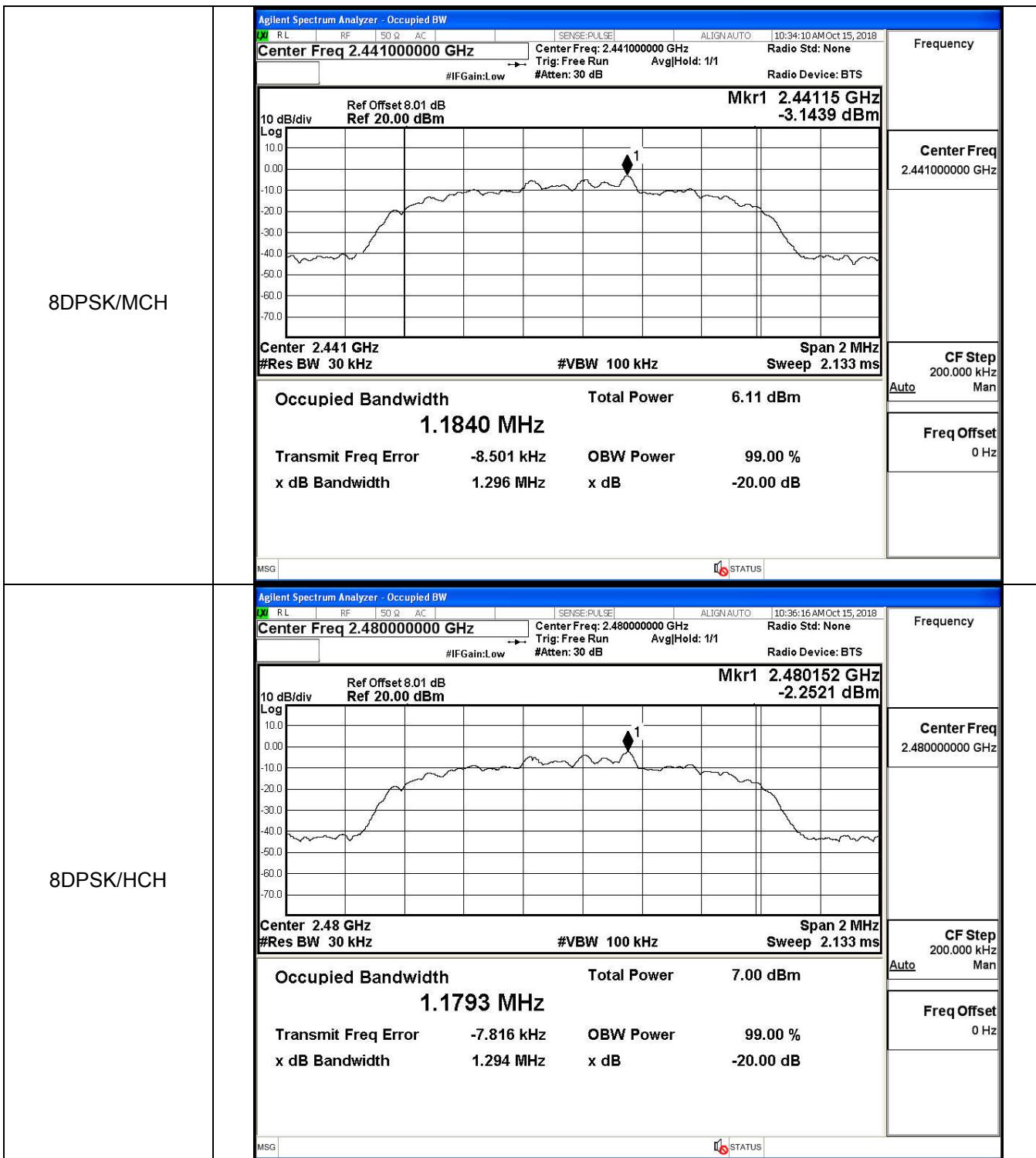
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.031	Not Specified	PASS
	MCH	1.037	Not Specified	PASS
	HCH	1.047	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.319	Not Specified	PASS
	MCH	1.311	Not Specified	PASS
	HCH	1.291	Not Specified	PASS
8DPSK	LCH	1.300	Not Specified	PASS
	MCH	1.296	Not Specified	PASS
	HCH	1.294	Not Specified	PASS





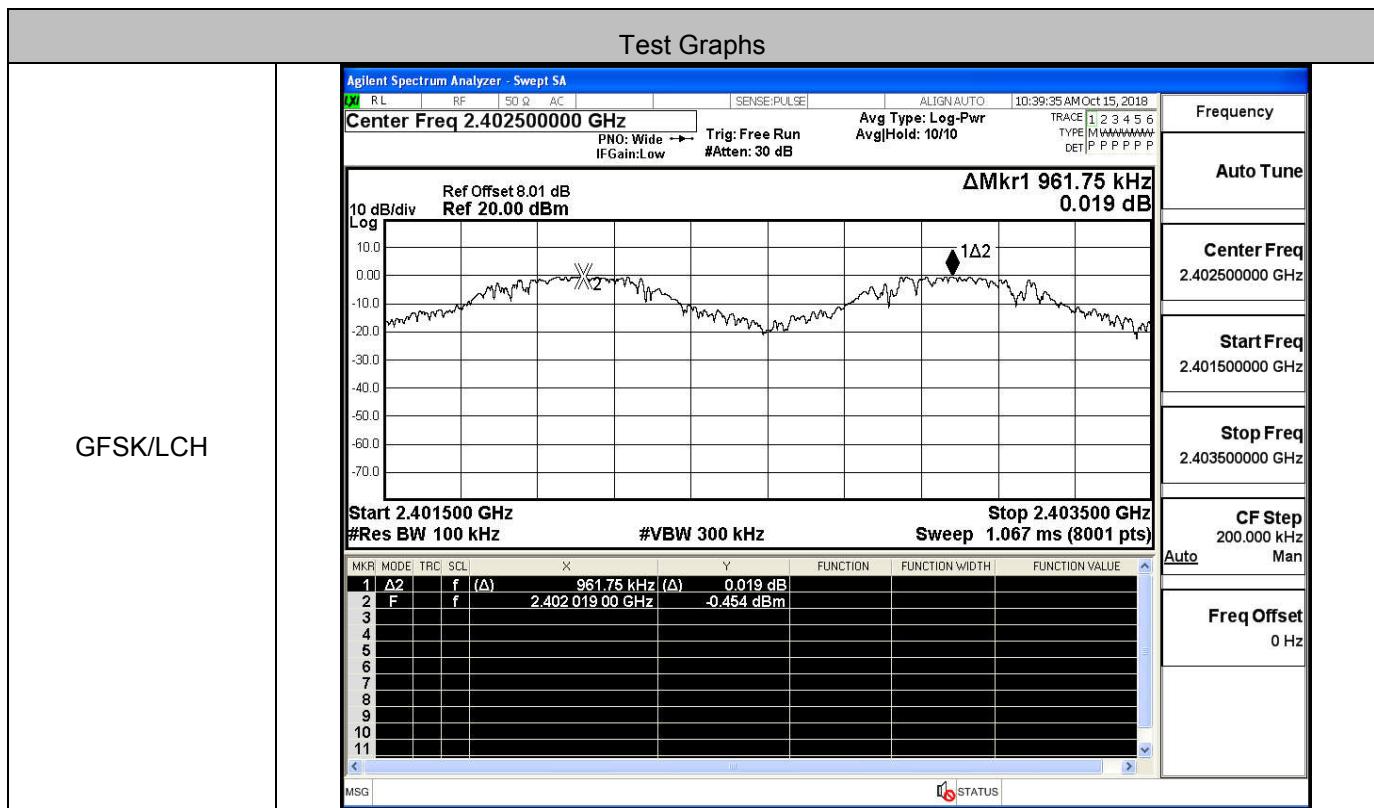


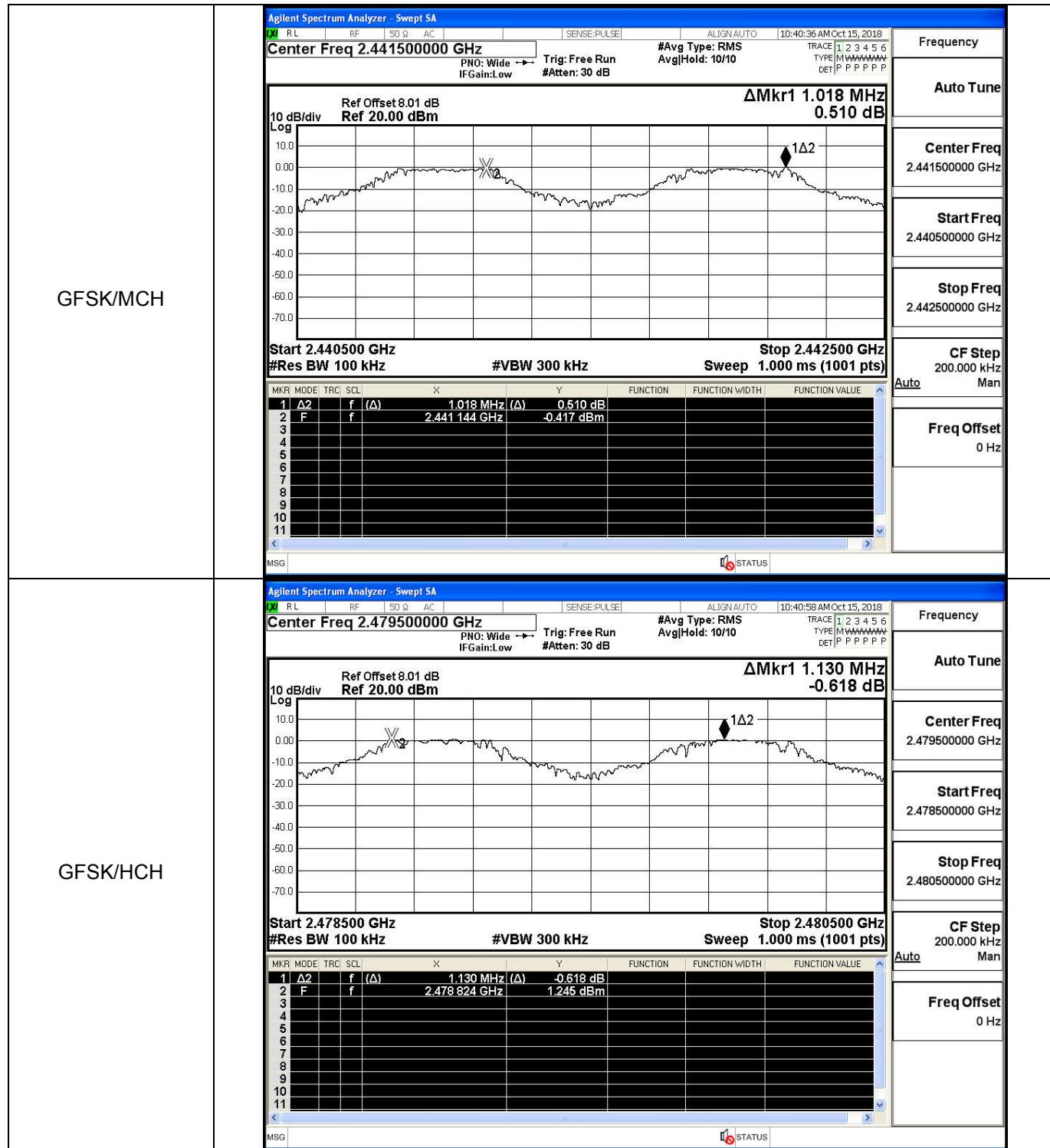


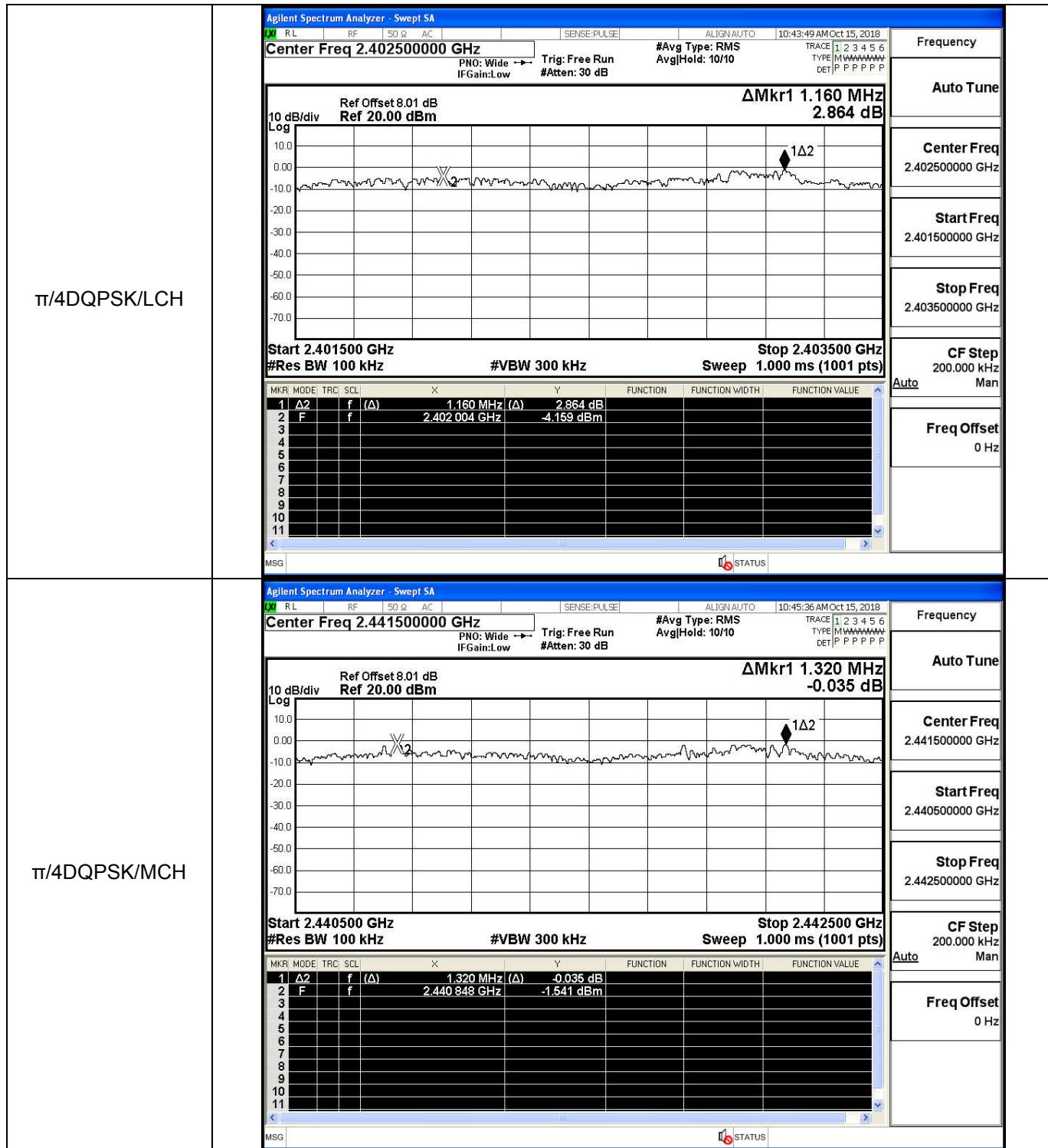


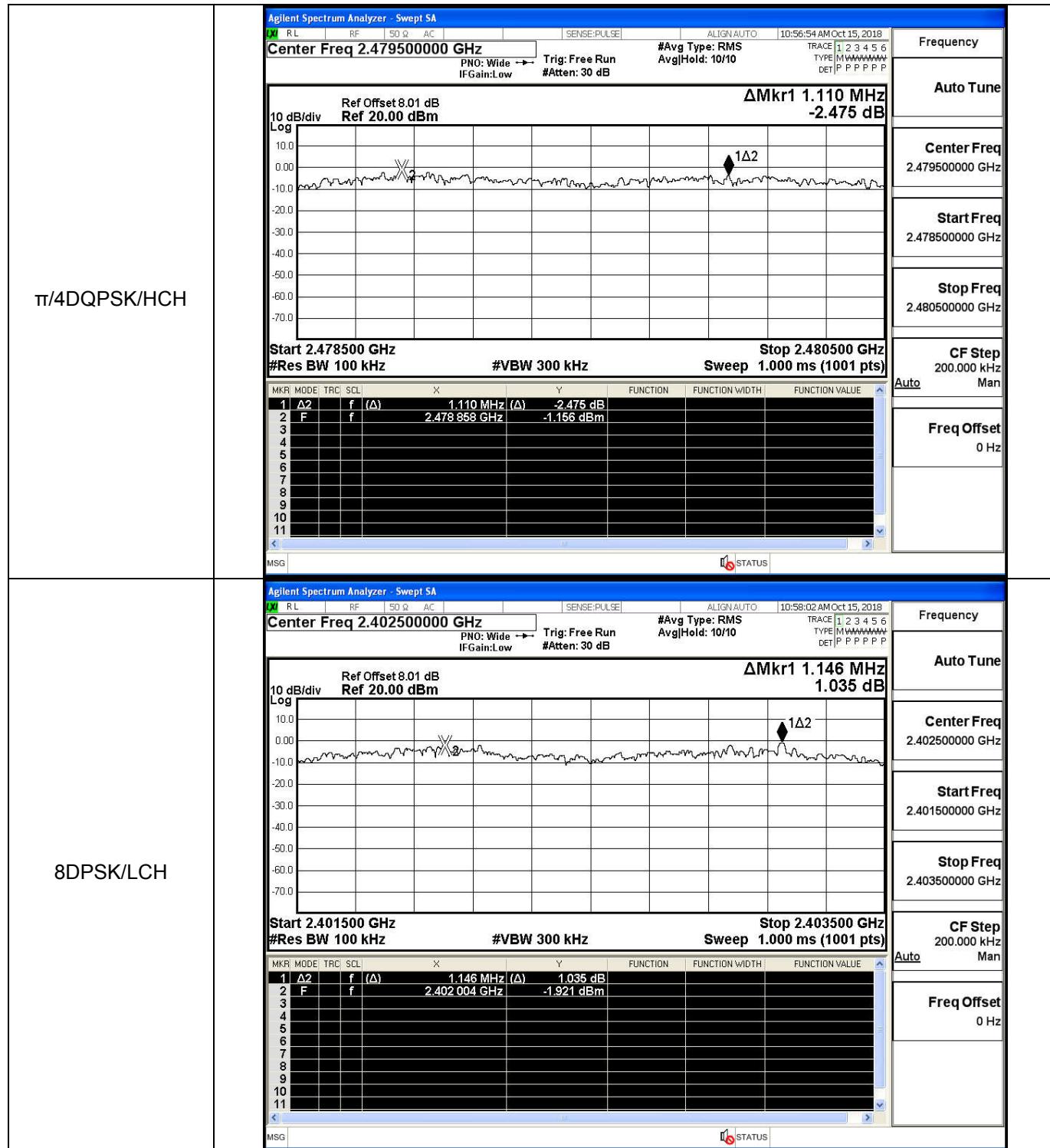
A.3 Carrier Frequency Separation

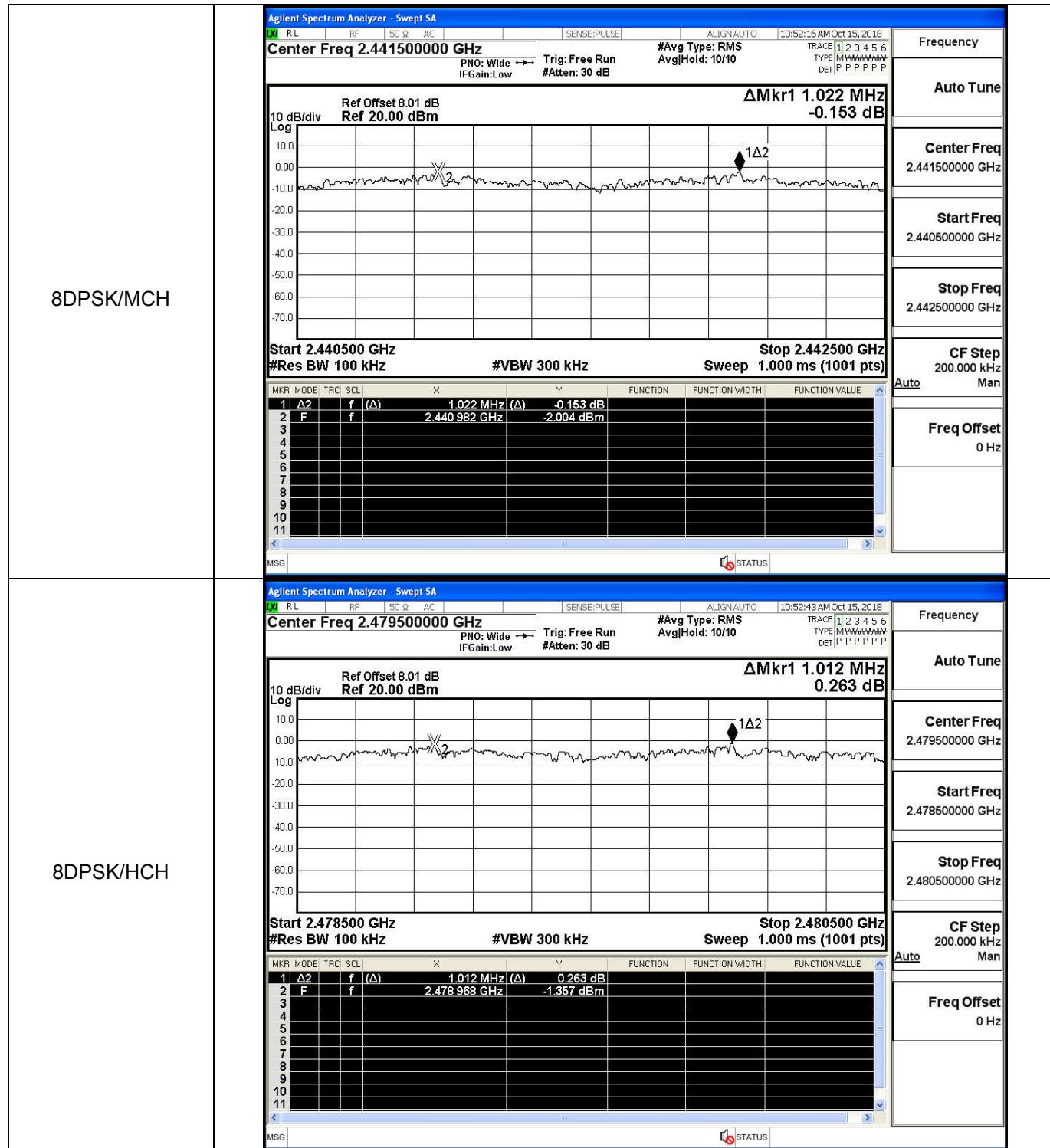
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.962	0.698	PASS
	MCH	1.018	0.698	PASS
	HCH	1.130	0.698	PASS
$\pi/4$ DQPSK	LCH	1.160	0.879	PASS
	MCH	1.320	0.879	PASS
	HCH	1.110	0.879	PASS
8DPSK	LCH	1.146	0.867	PASS
	MCH	1.022	0.867	PASS
	HCH	1.012	0.867	PASS





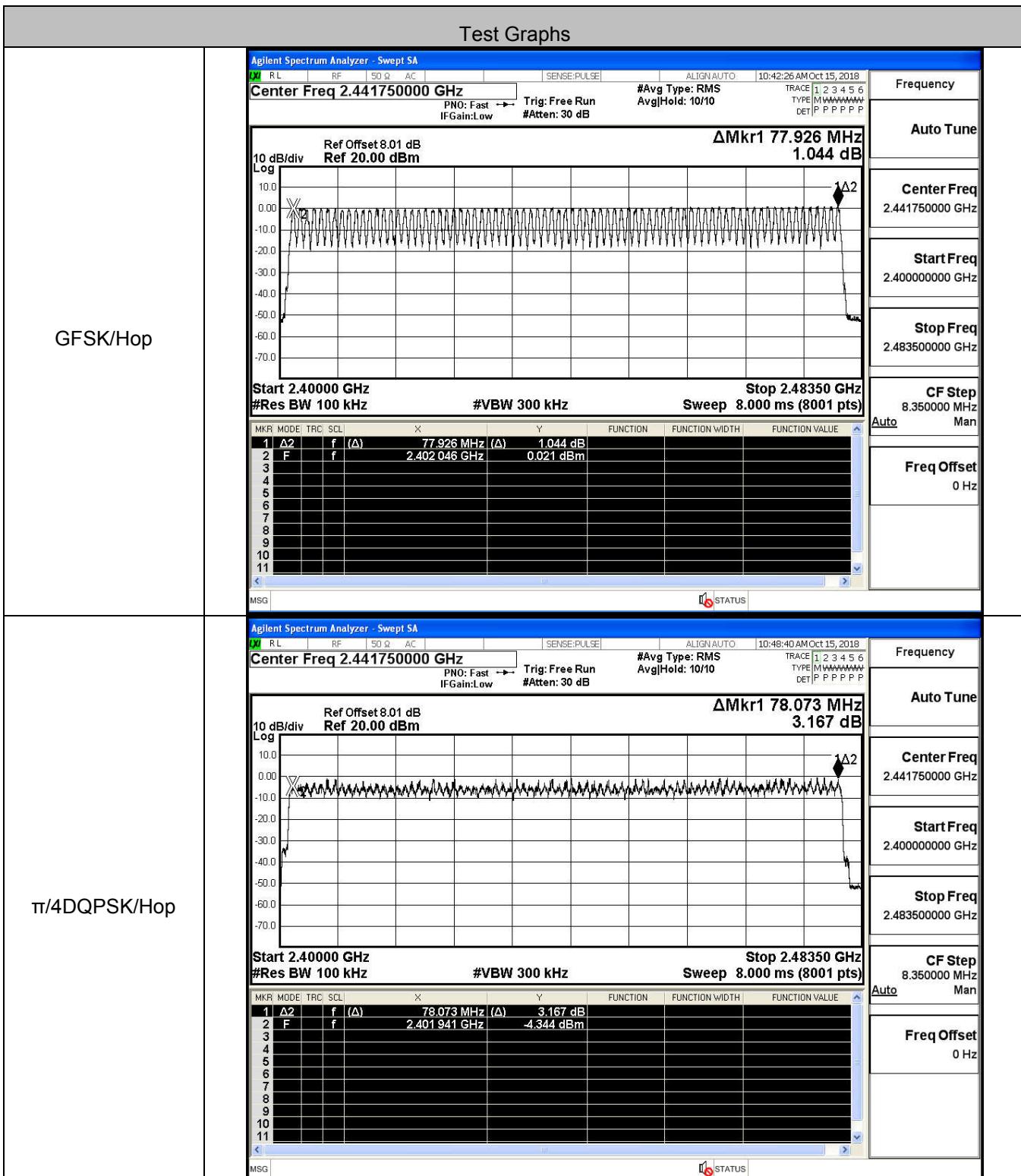


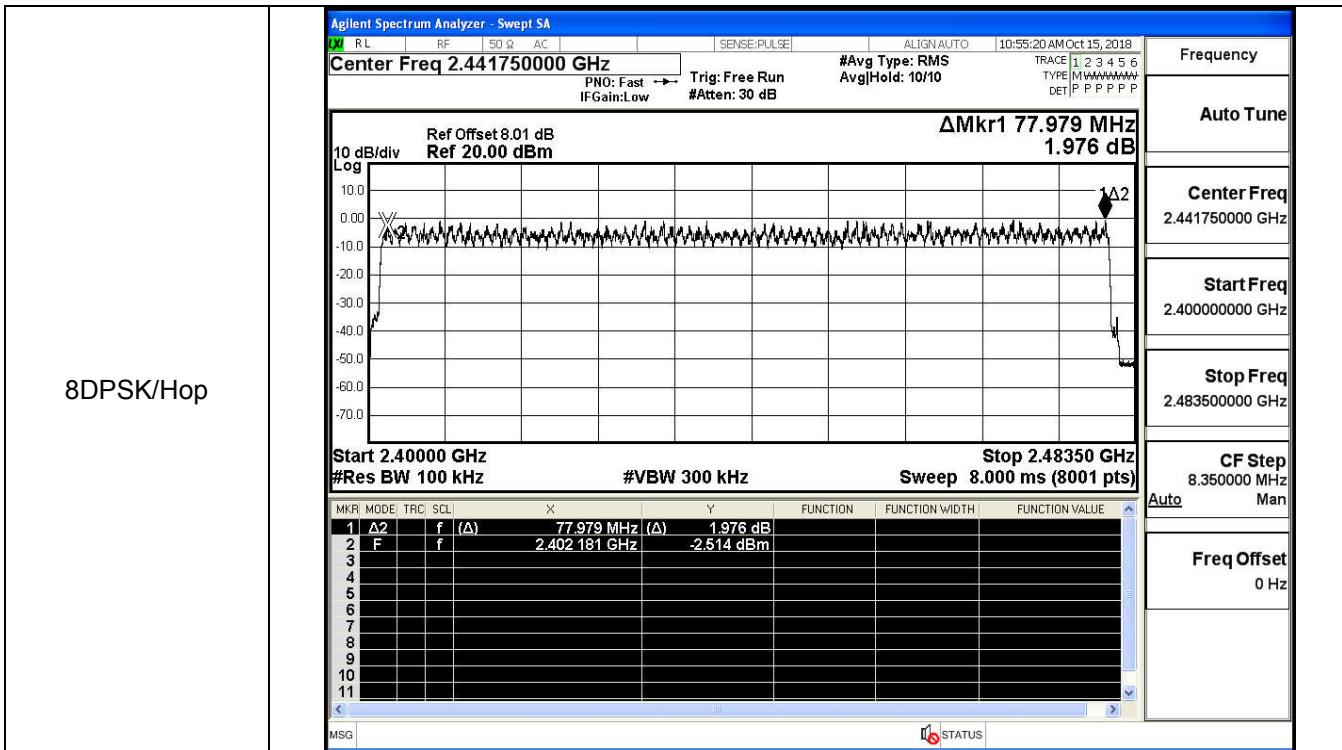




A.4 Hopping Channel Number

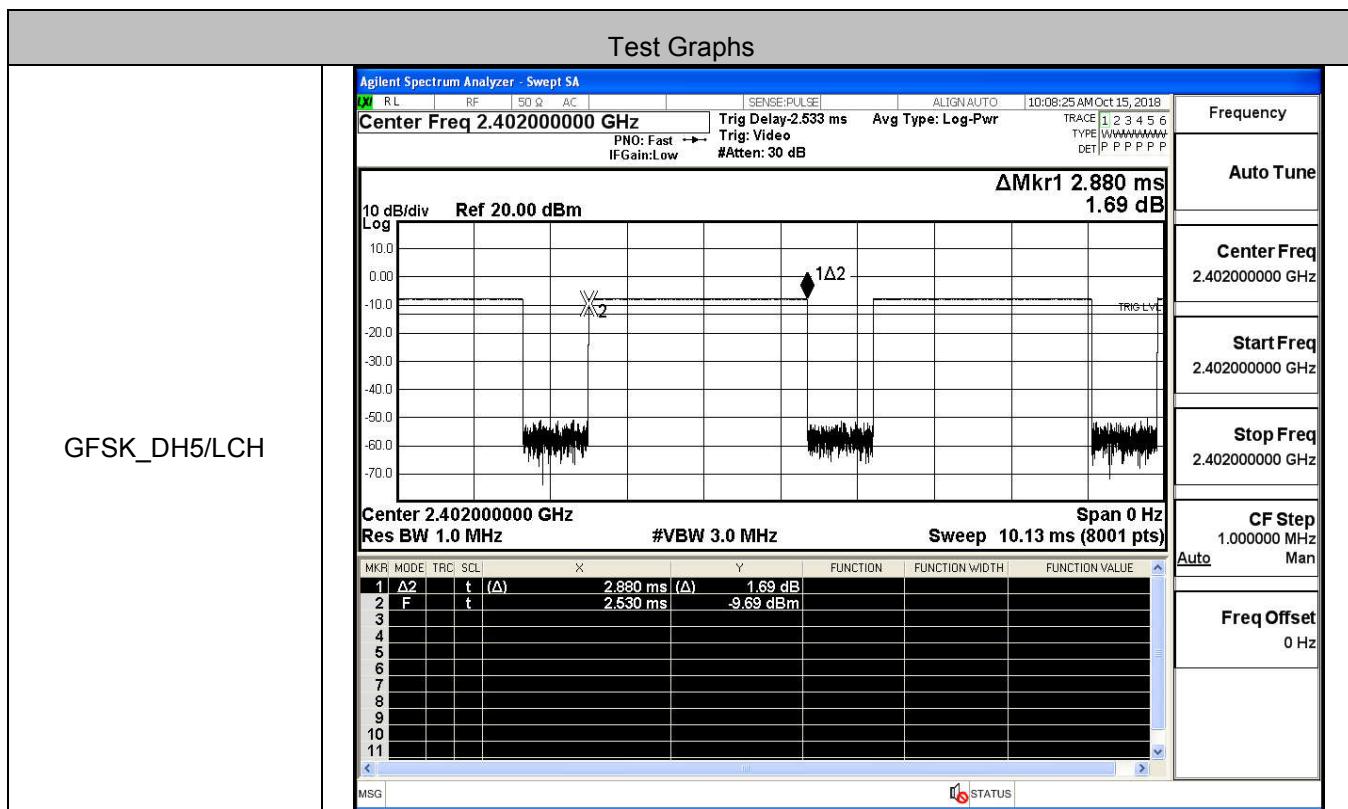
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	>=15	PASS
$\pi/4$ DQPSK	Hop	79	>=15	PASS
8DPSK	Hop	79	>=15	PASS

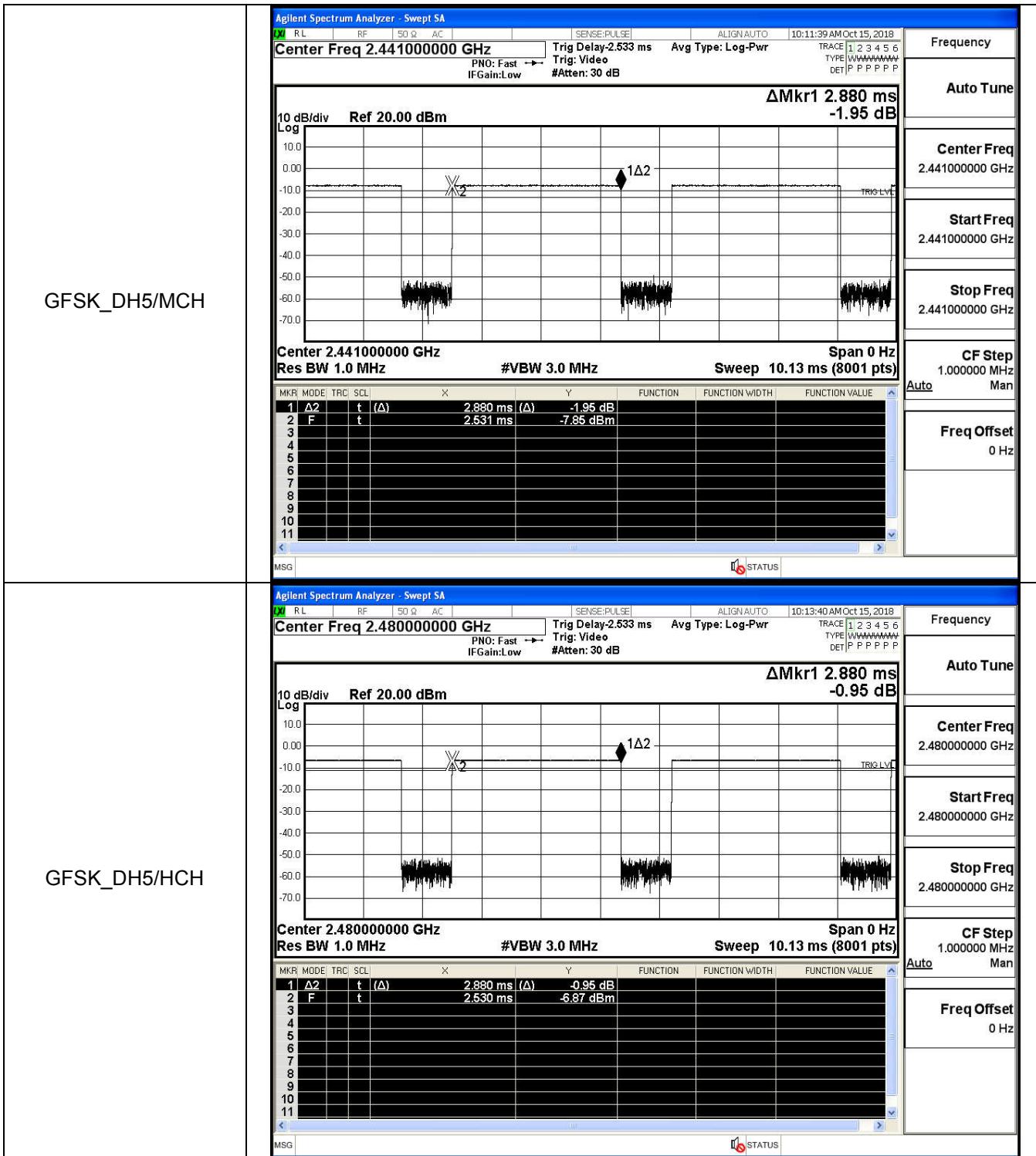


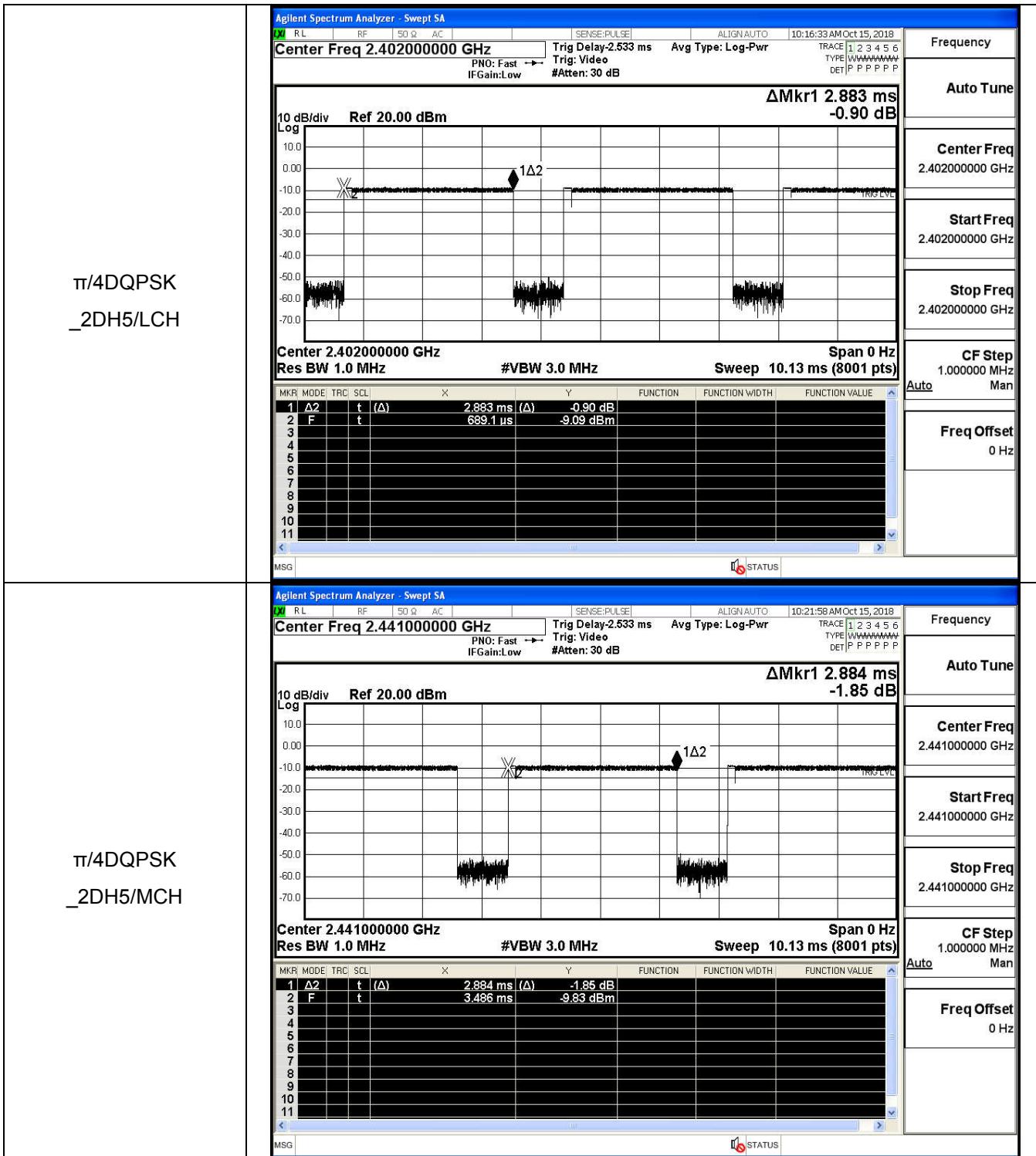


A.5 Dwell Time

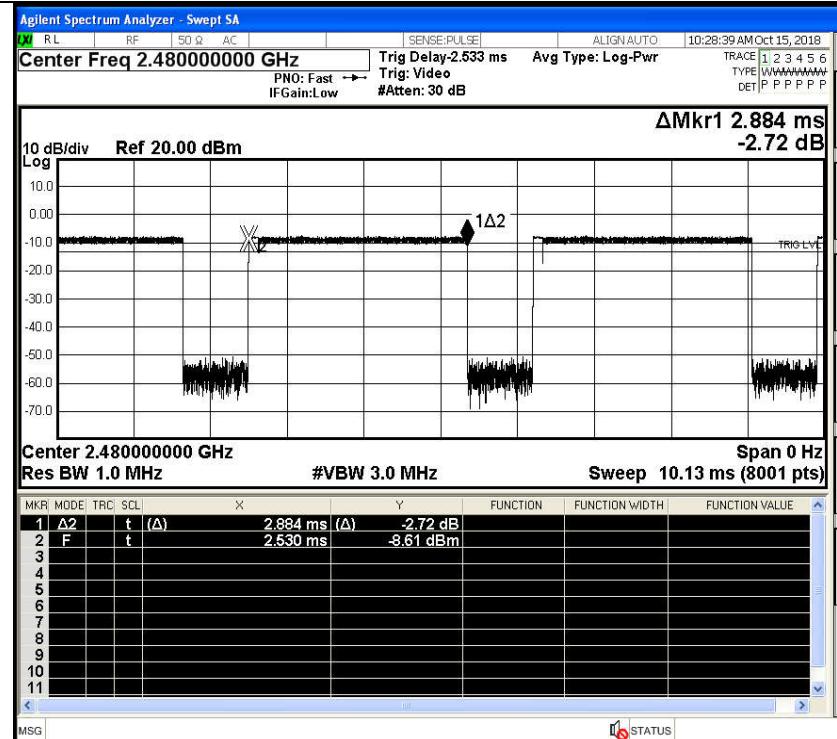
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.88	106.7	0.307	0.4	PASS
	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
8DPSK	3DH5	LCH	2.88	106.7	0.308	0.4	PASS
	3DH5	MCH	2.88	106.7	0.308	0.4	PASS
	3DH5	HCH	2.88	106.7	0.308	0.4	PASS





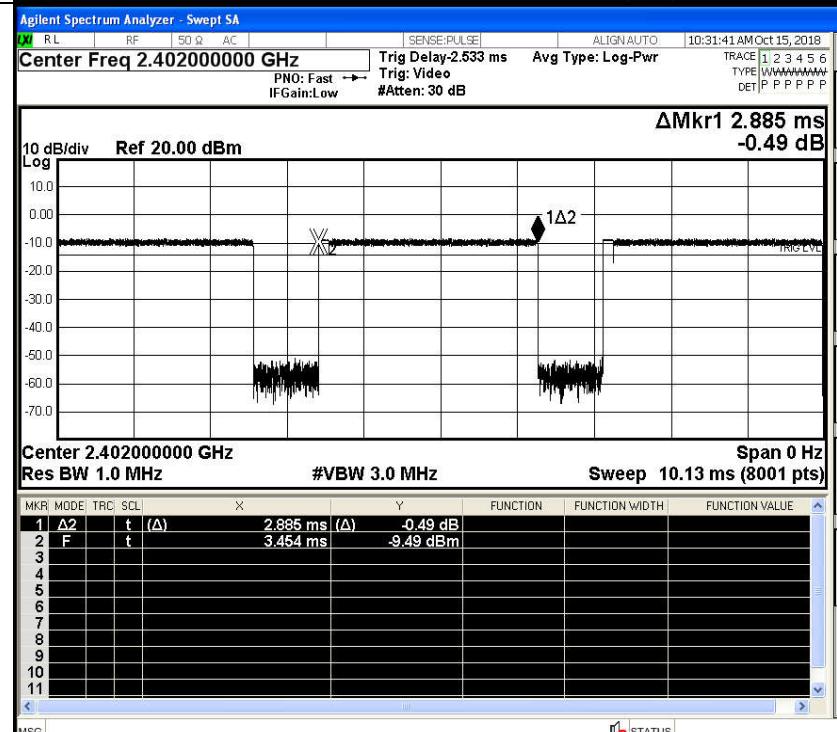


$\pi/4$ DQPSK
_2DH5/HCH

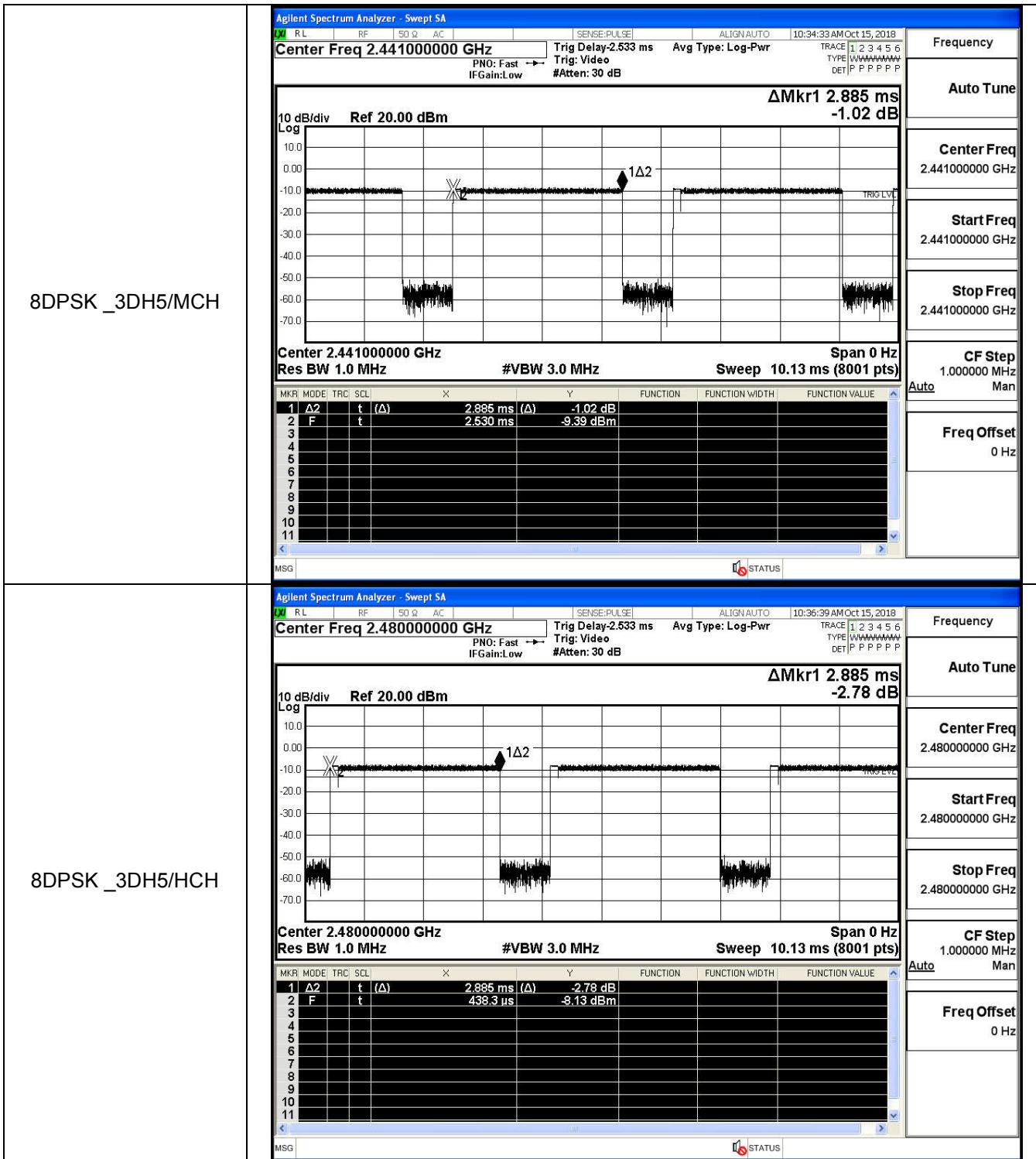


Frequency
Auto Tune
Center Freq 2.480000000 GHz
Start Freq 2.480000000 GHz
Stop Freq 2.480000000 GHz
CF Step 1.000000 MHz Auto Man
Freq Offset 0 Hz

8DPSK _3DH5/LCH



Frequency
Auto Tune
Center Freq 2.402000000 GHz
Start Freq 2.402000000 GHz
Stop Freq 2.402000000 GHz
CF Step 1.000000 MHz Auto Man
Freq Offset 0 Hz



A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.289	-44.044	-20.289	PASS
	MCH	0.229	-44.736	-19.771	PASS
	HCH	1.475	-44.696	-18.525	PASS
$\pi/4$ DQPSK	LCH	-1.003	-44.757	-21.003	PASS
	MCH	-0.968	-45.018	-20.968	PASS
	HCH	-0.138	-45.049	-20.138	PASS
8DPSK	LCH	-1.174	-45.178	-21.174	PASS
	MCH	-1.123	-44.295	-21.123	PASS
	HCH	-0.248	-44.636	-20.248	PASS

