Appendix A

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

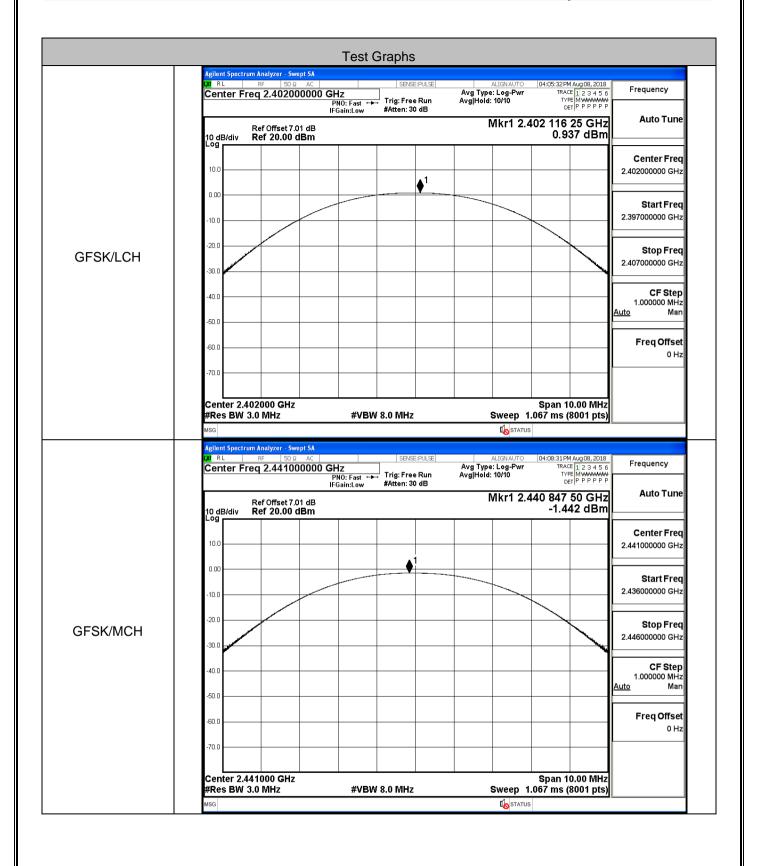
Product Name: 3G smartphone Trade Mark: GOL Test Model: F3

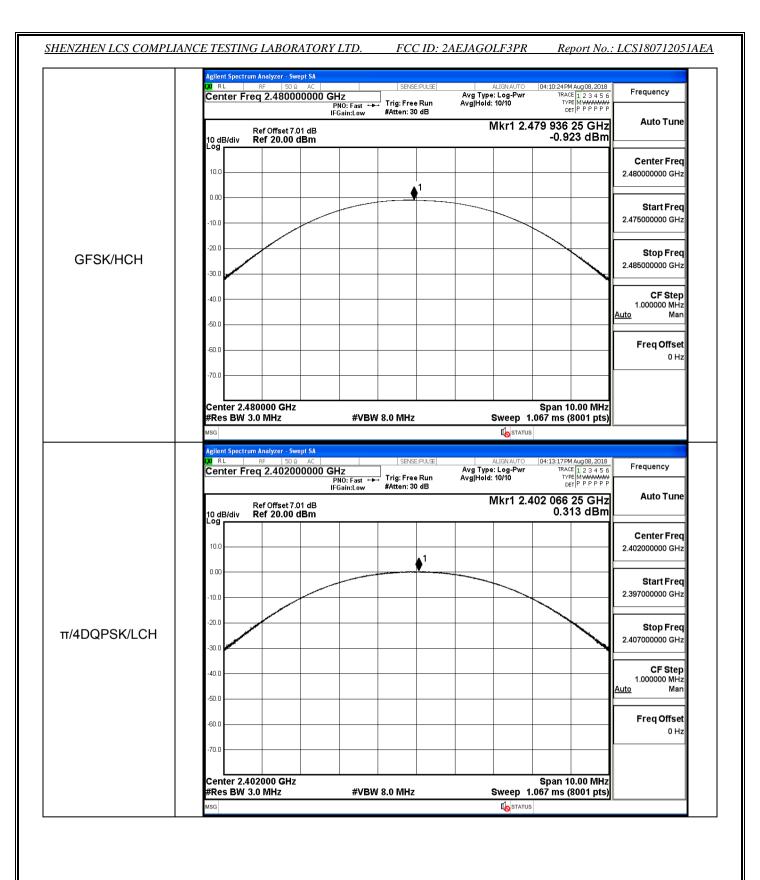
Environmental Conditions

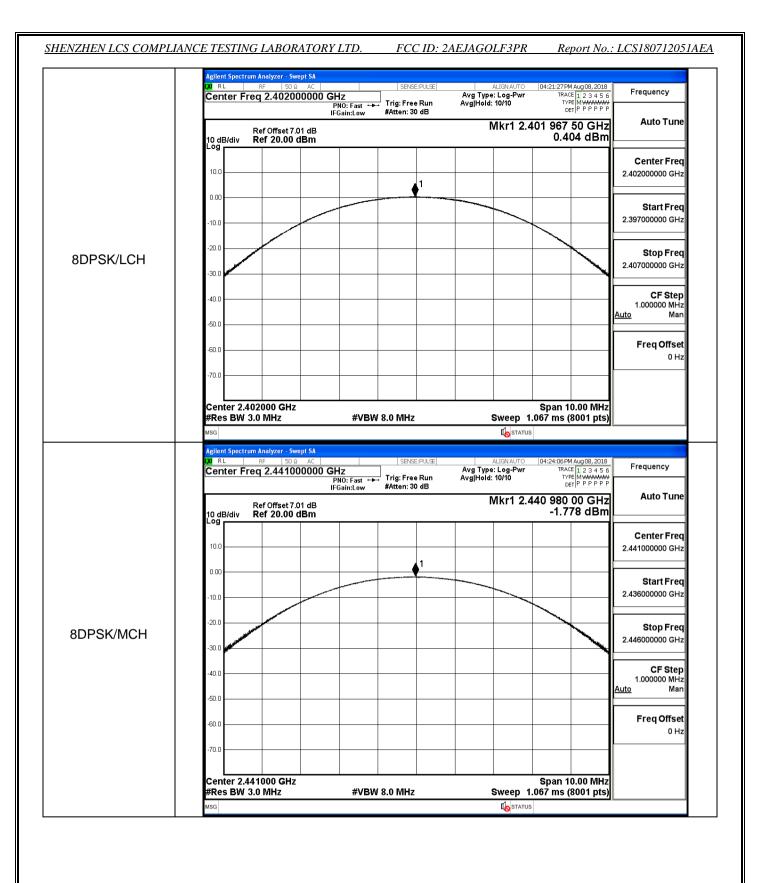
Temperature:	24.2 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom Liu
Supervised by:	Jayden Zhuo

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Maximum Average Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.937	0.824	21	PASS
GFSK	MCH	-1.442	-1.590	21	PASS
	HCH	-0.923	-1.082	21	PASS
	LCH	0.313	0.197	21	PASS
π/4DQPSK	MCH	-1.954	-2.067	21	PASS
	HCH	-1.546	-1.661	21	PASS
	LCH	0.404	0.294	21	PASS
8DPSK	MCH	-1.778	-1.902	21	PASS
	НСН	-1.453	-1.632	21	PASS

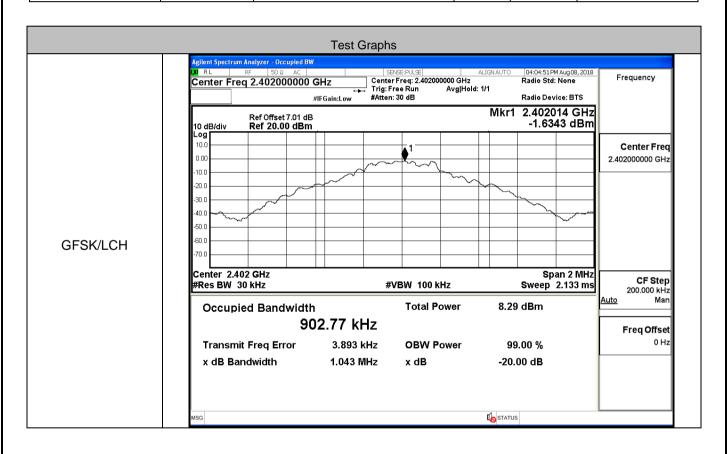






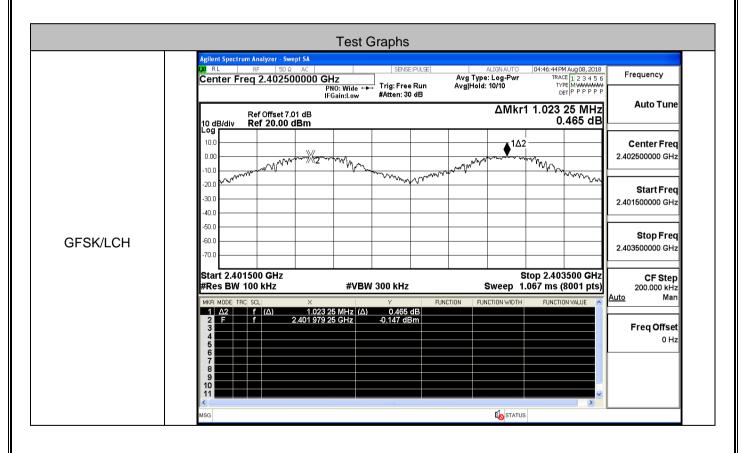
A.2 20dB Bandwidth

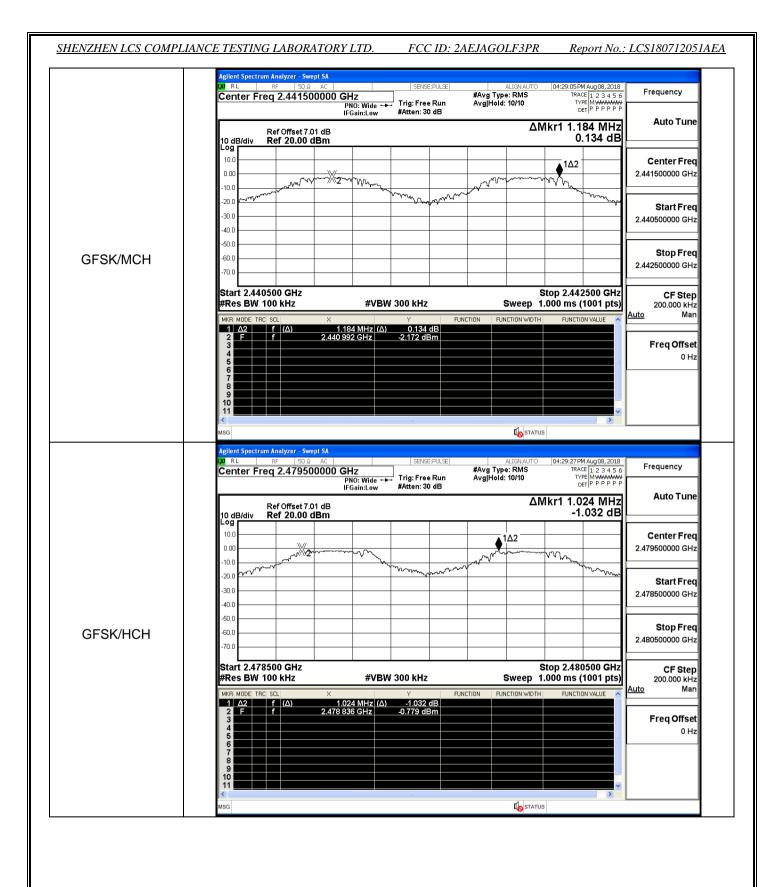
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.043	Not Specified	PASS
GFSK	MCH	1.036	Not Specified	PASS
	HCH	1.040	Not Specified	PASS
	LCH	1.292	Not Specified	PASS
π/4DQPSK	MCH	1.319	Not Specified	PASS
	HCH	1.315	Not Specified	PASS
	LCH	1.293	Not Specified	PASS
8DPSK	MCH	1.306	Not Specified	PASS
	HCH	1.294	Not Specified	PASS

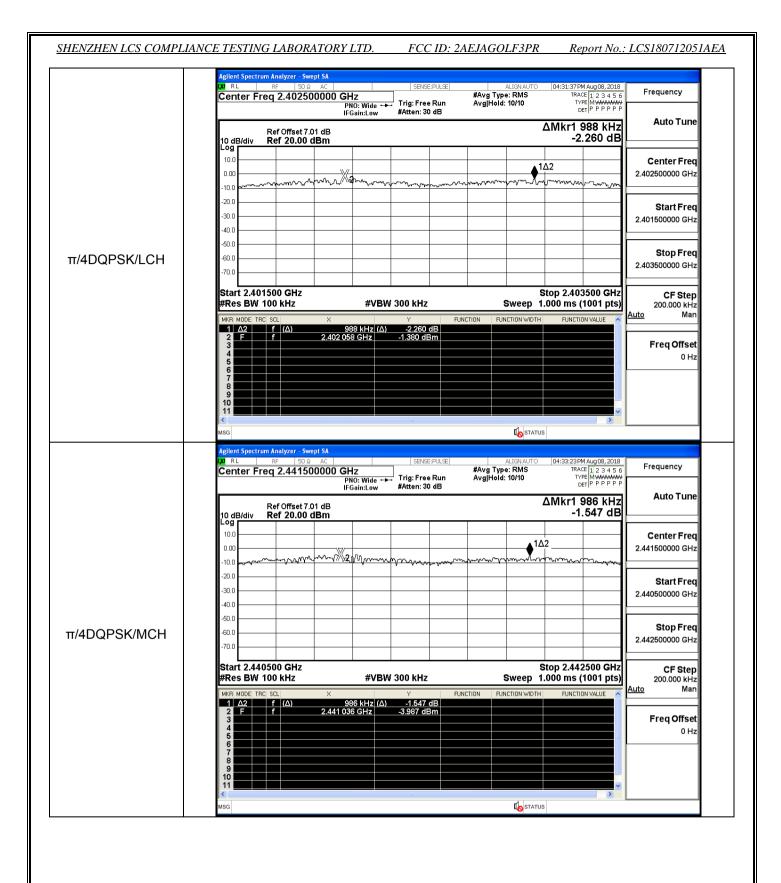


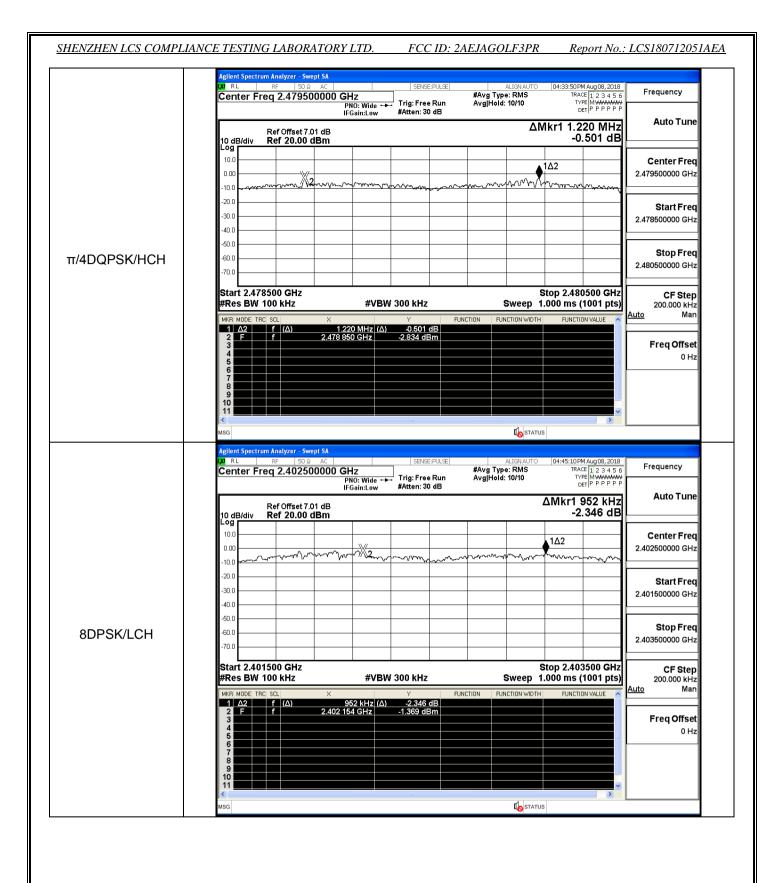
A.3 Carrier Frequency Separation

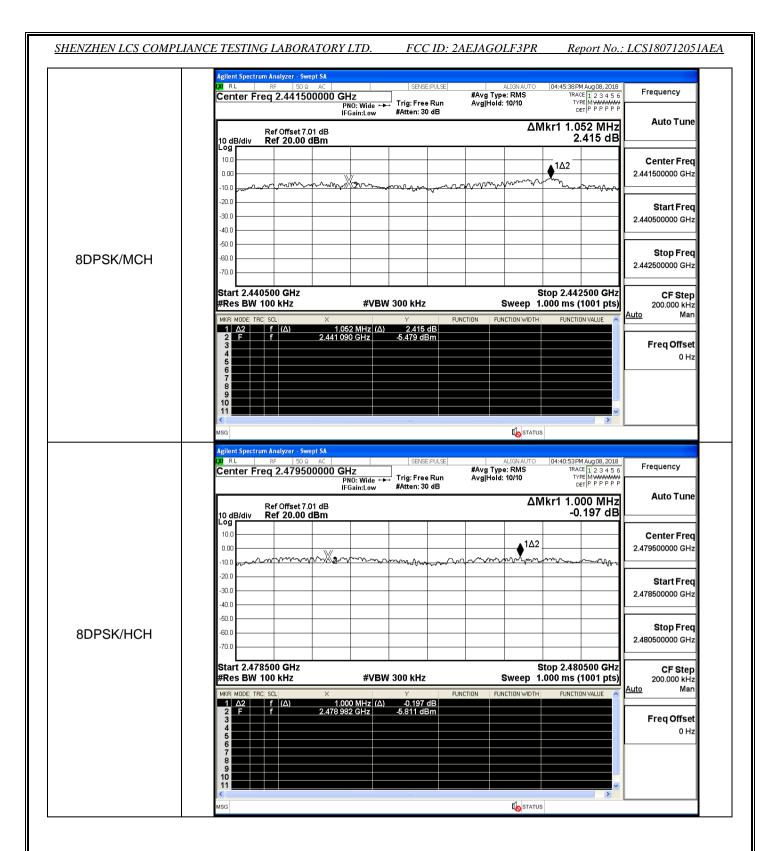
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.023	0.695	PASS
GFSK	MCH	1.184	0.695	PASS
	HCH	1.024	0.695	PASS
	LCH	0.988	0.879	PASS
π/4DQPSK	MCH	0.986	0.879	PASS
	HCH	1.220	0.879	PASS
	LCH	0.952	0.871	PASS
8DPSK	DPSK MCH 1.052		0.871	PASS
	HCH	1.000	0.871	PASS





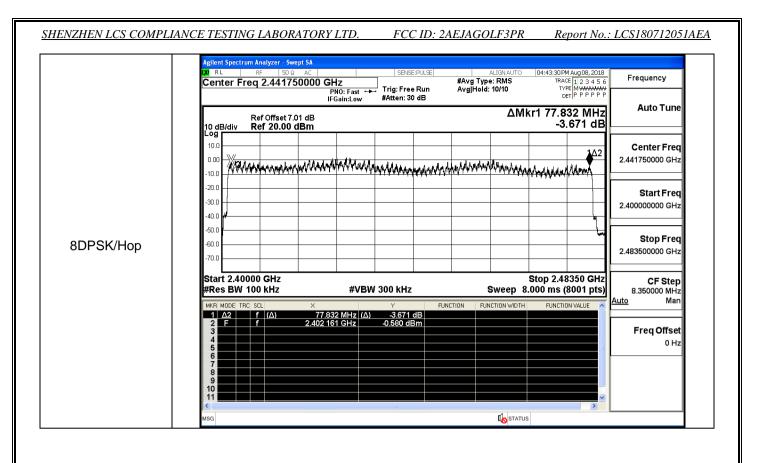






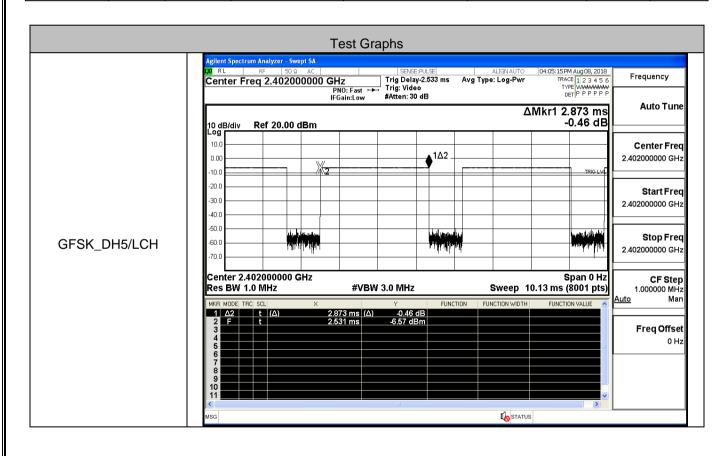
A.4 Hopping Channel Number

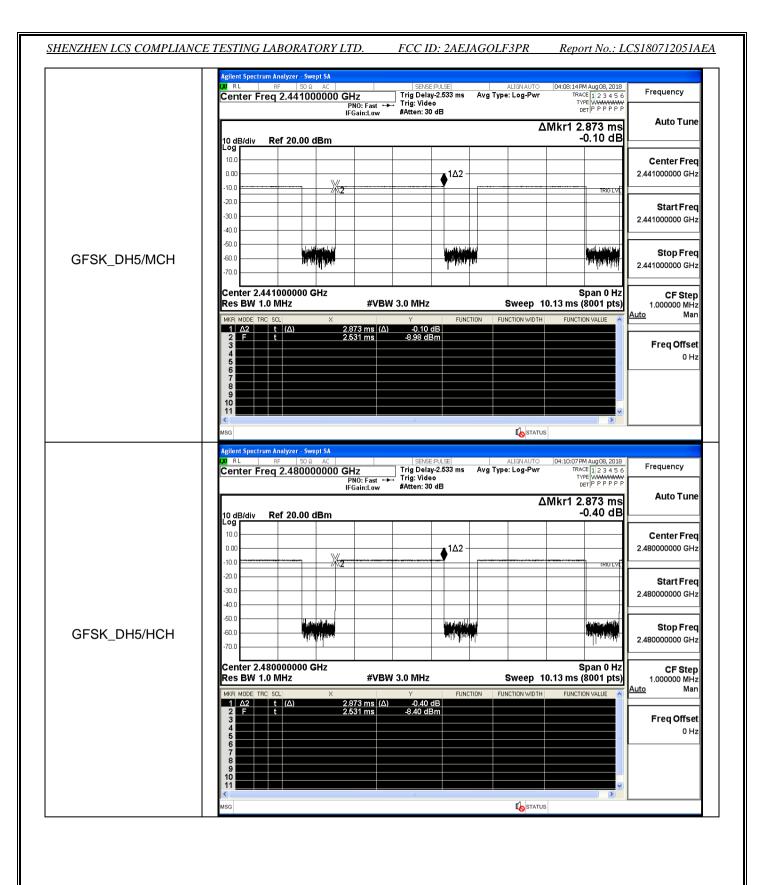
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

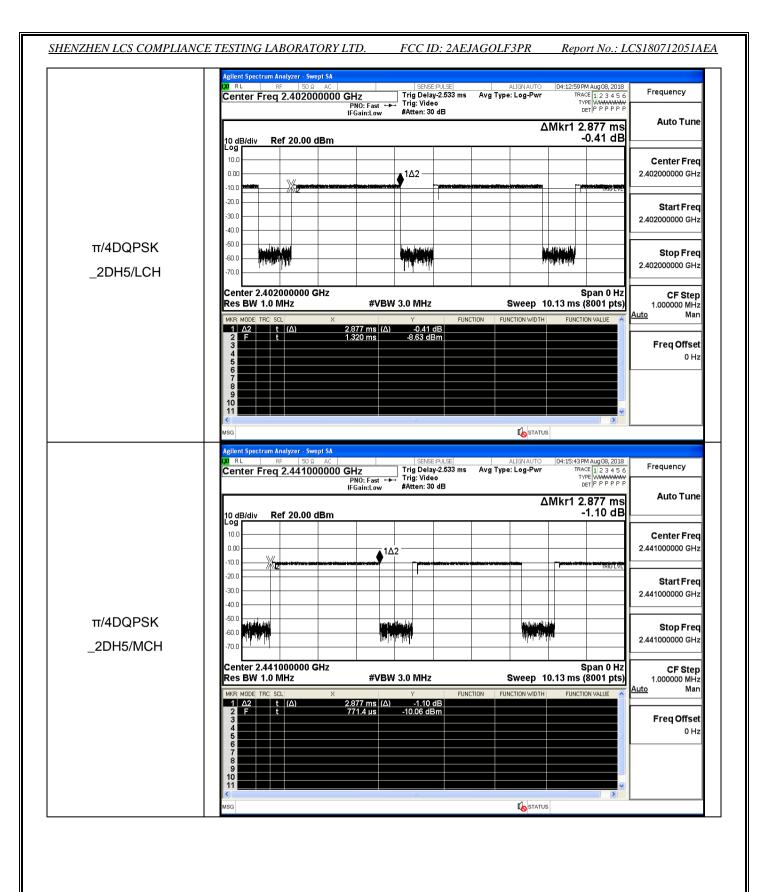


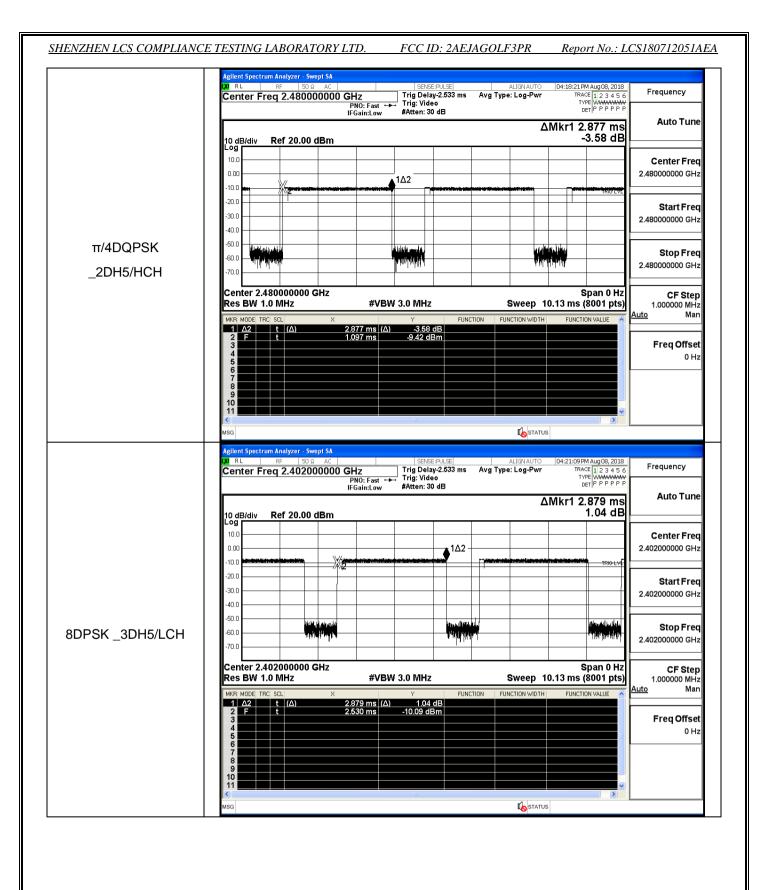
A.5 Dwell Time

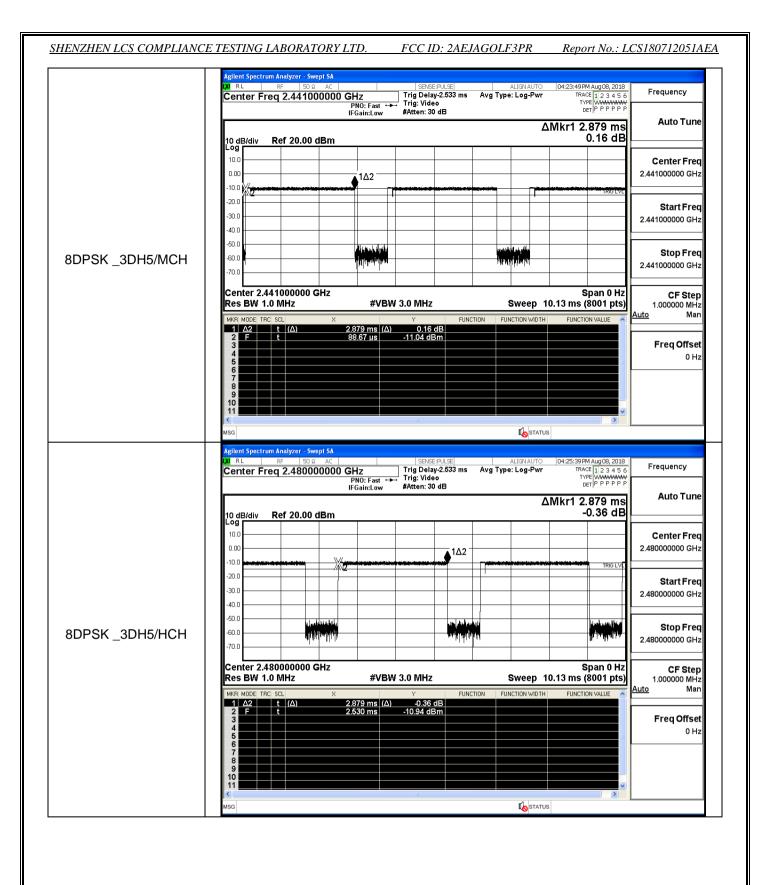
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.87	106.7	0.306	0.4	PASS
GFSK	DH5	MCH	2.87	106.7	0.306	0.4	PASS
	DH5	HCH	2.87	106.7	0.306	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
	3DH5	LCH	2.88	106.7	0.307	0.4	PASS
8DPSK	3DH5	MCH	2.88	106.7	0.307	0.4	PASS
	3DH5	HCH	2.88	106.7	0.307	0.4	PASS





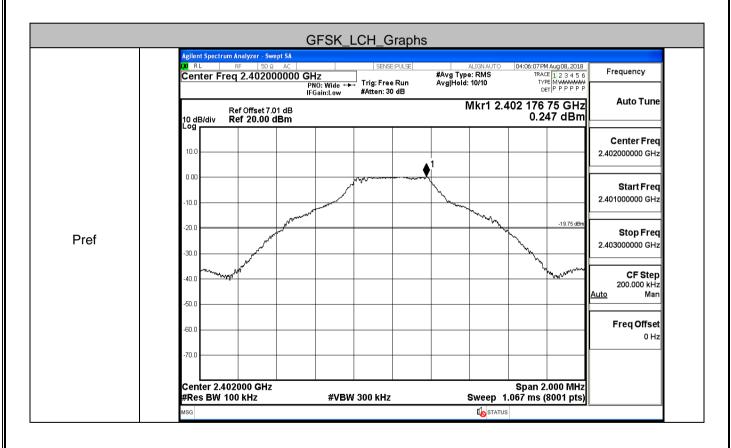


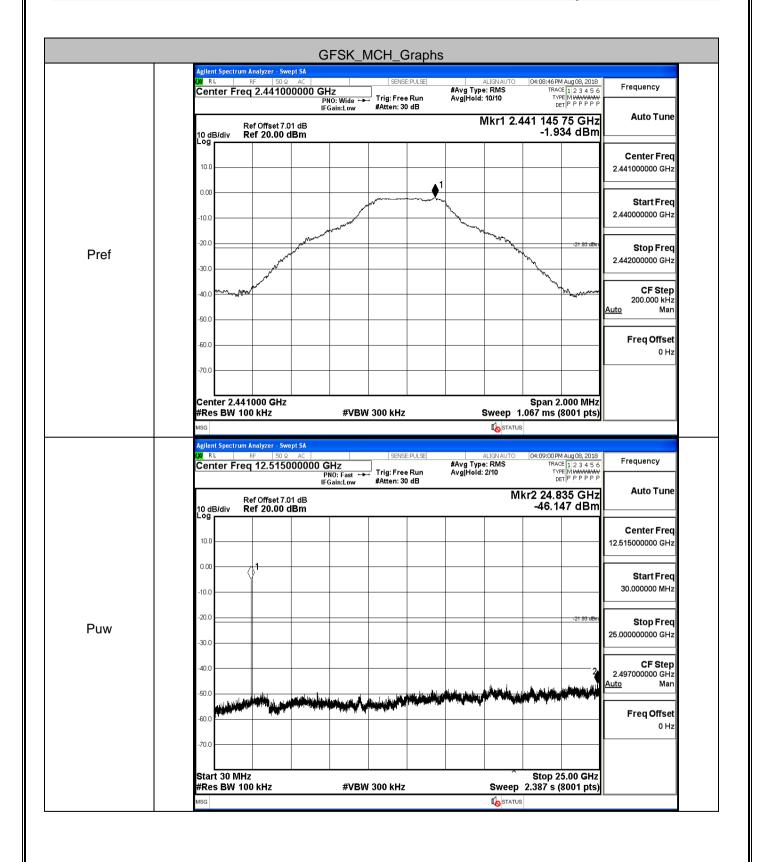


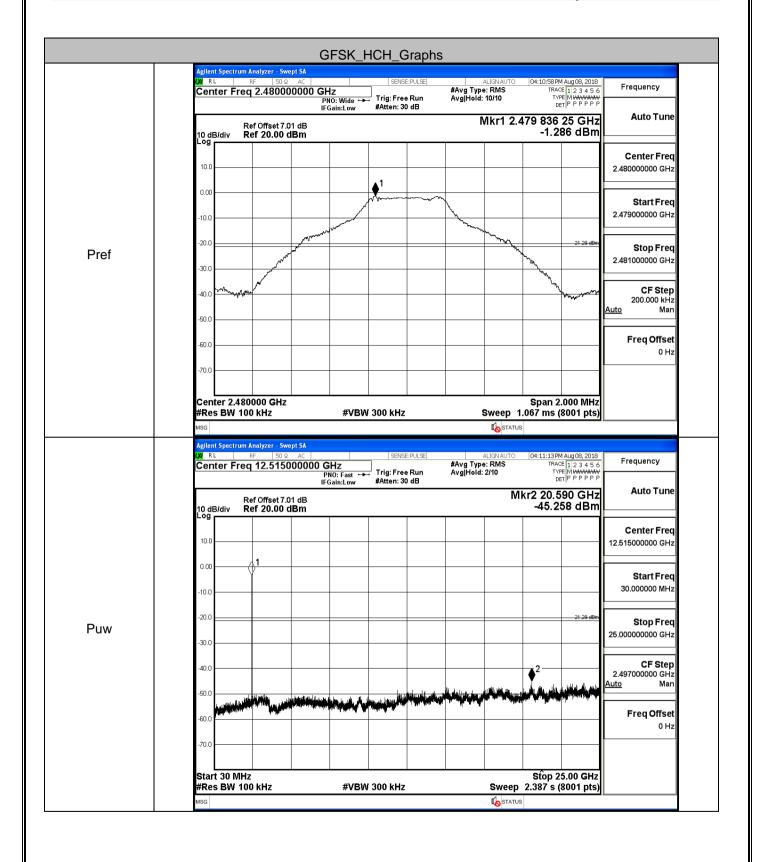


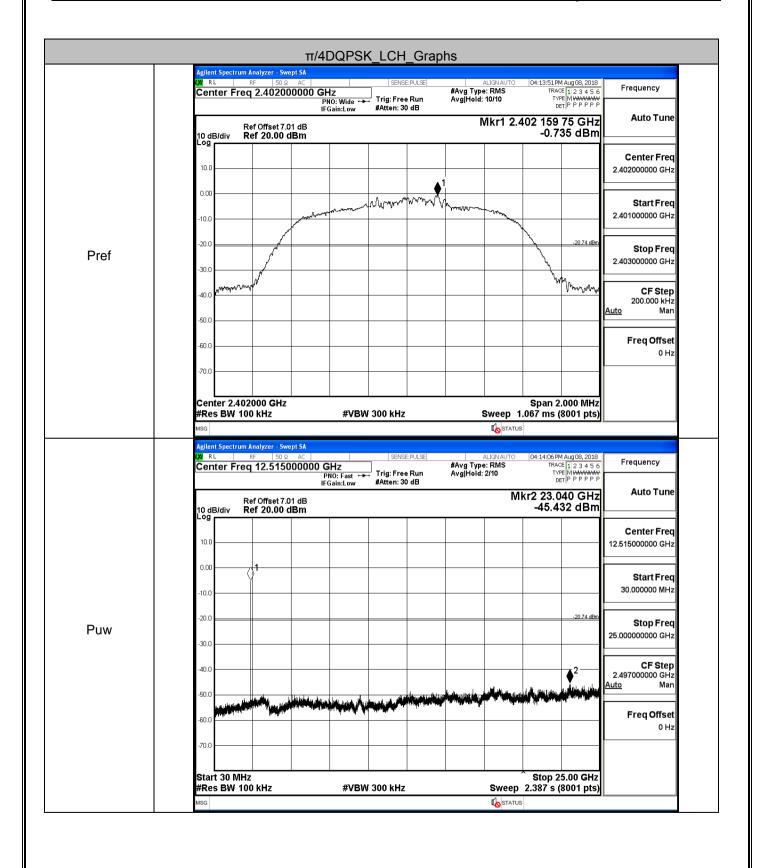
A.6 RF Conducted Spurious Emissions

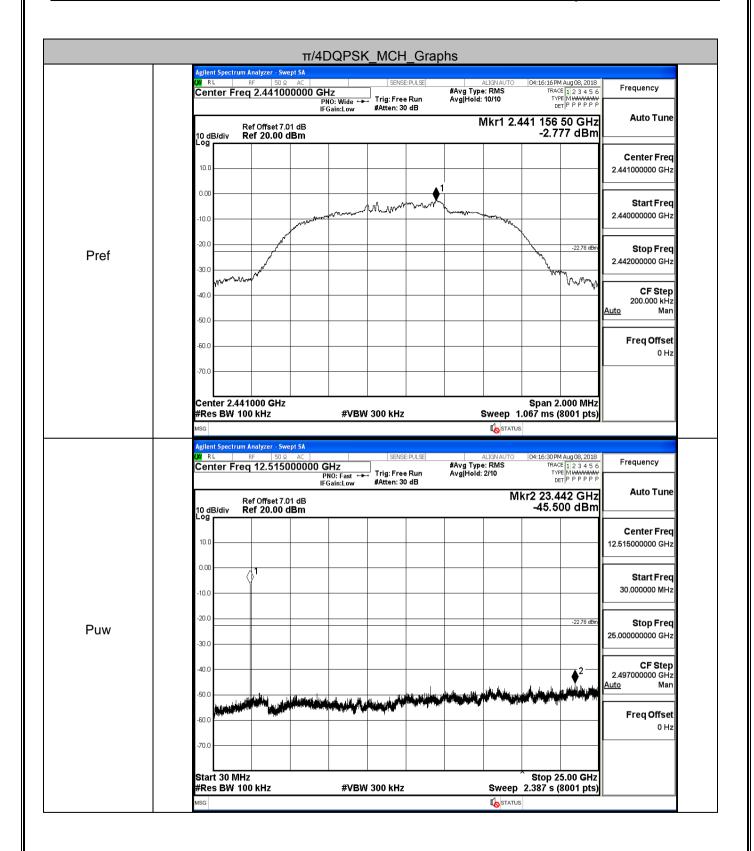
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.247	-45.270	-19.753	PASS
GFSK	MCH	-1.934	-46.147	-21.934	PASS
	HCH	-1.286	-45.258	-21.286	PASS
	LCH	-0.735	-45.432	-20.735	PASS
π/4DQPSK	MCH	-2.777	-45.500	-22.777	PASS
	HCH	-2.508	-44.884	-22.508	PASS
	LCH	-0.557	-45.301	-20.557	PASS
8DPSK	MCH	-2.676	-45.064	-22.676	PASS
	НСН	-2.556	-46.043	-22.556	PASS

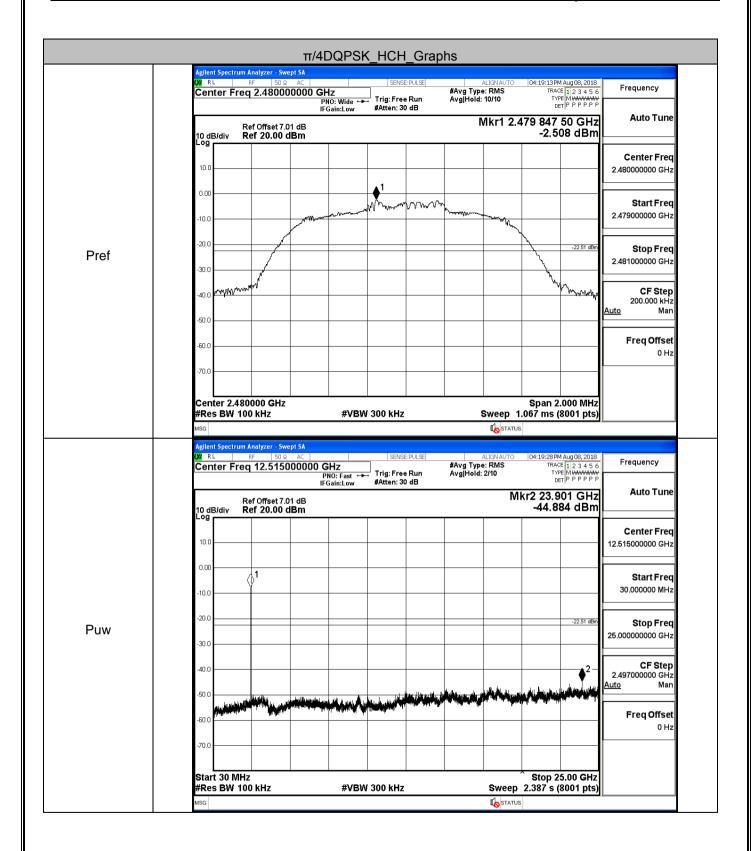


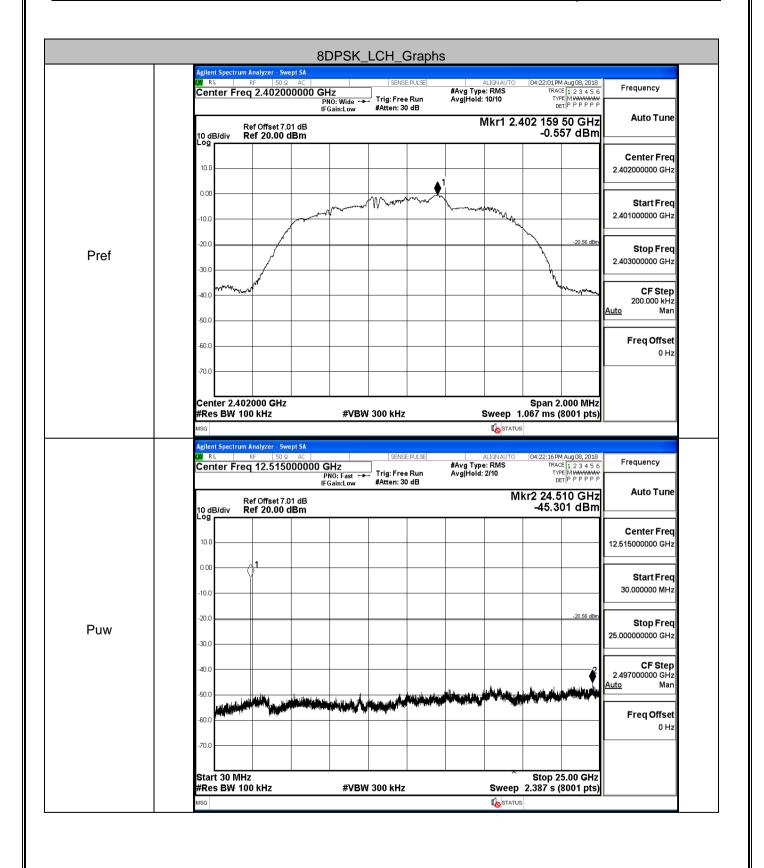


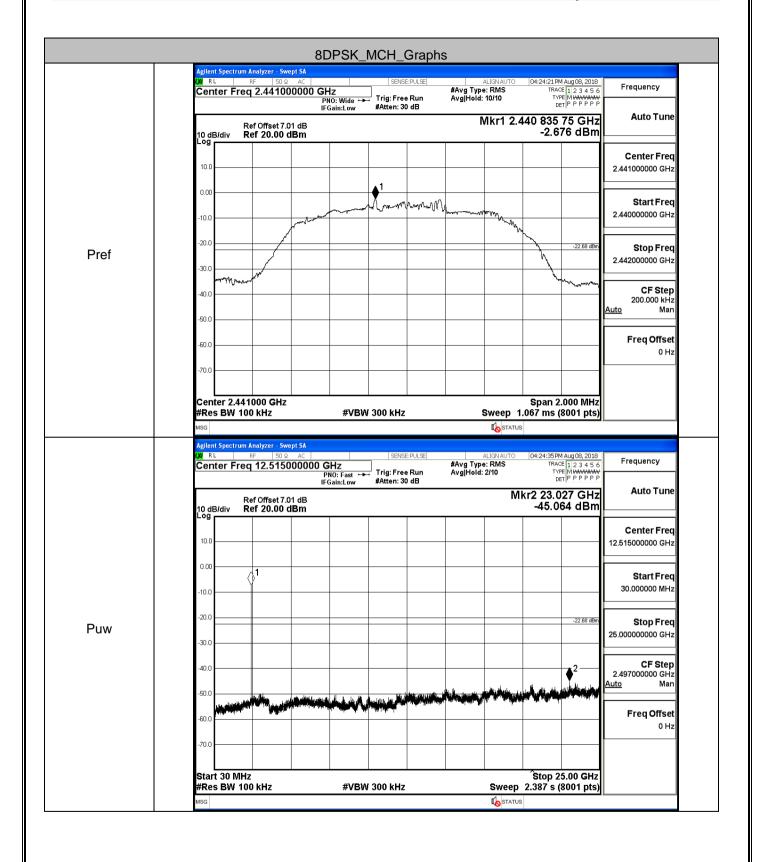


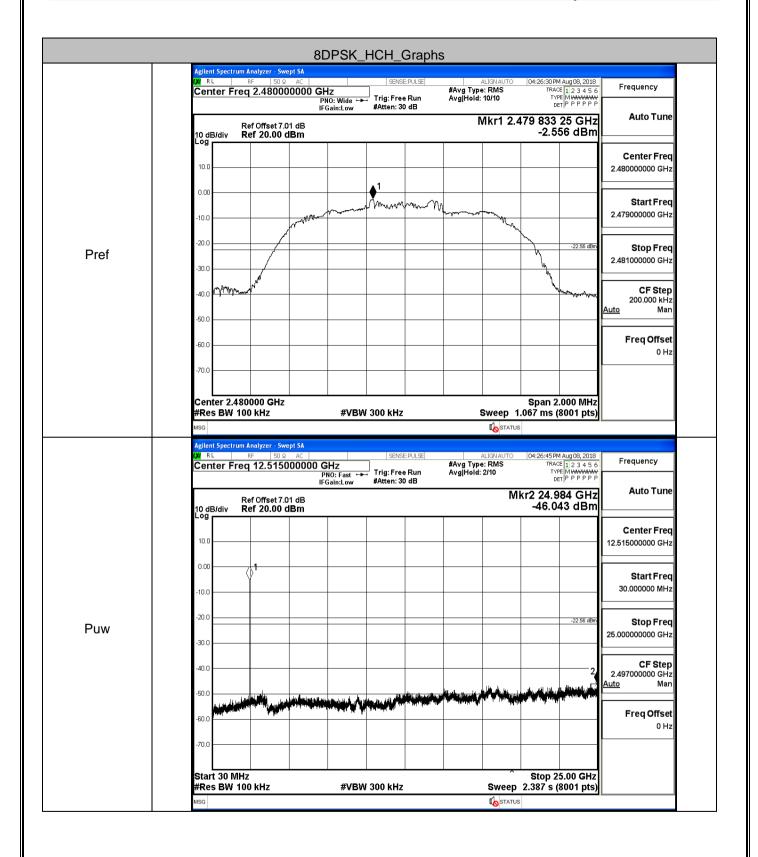






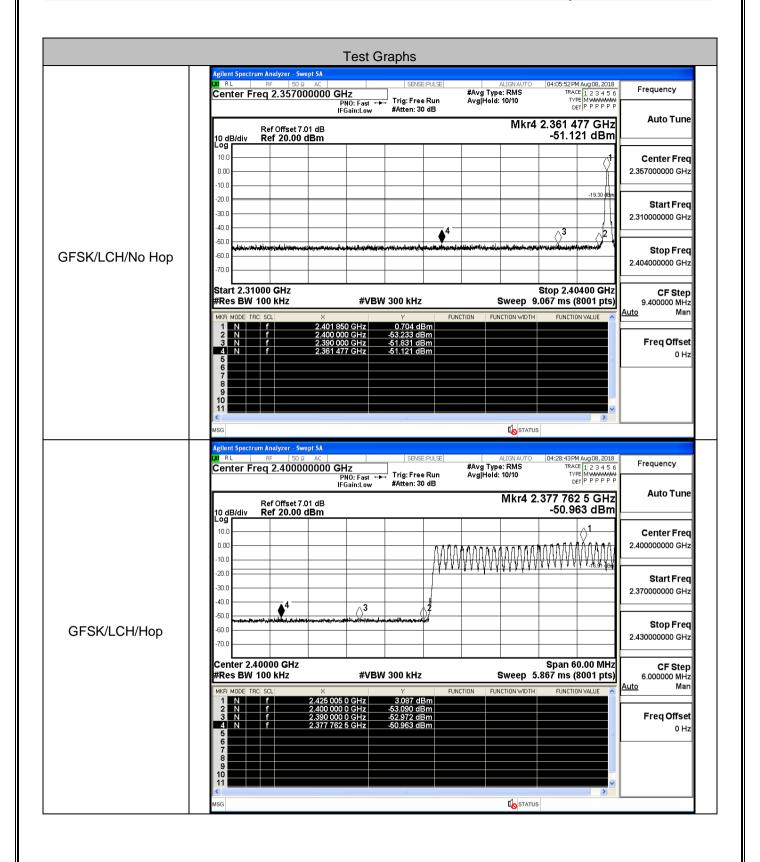


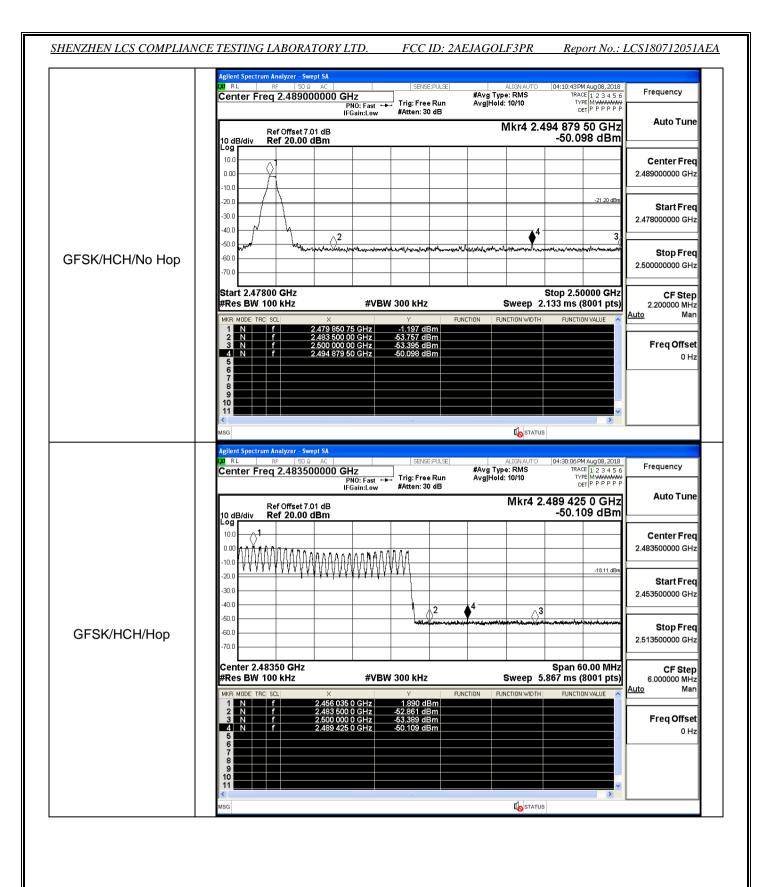


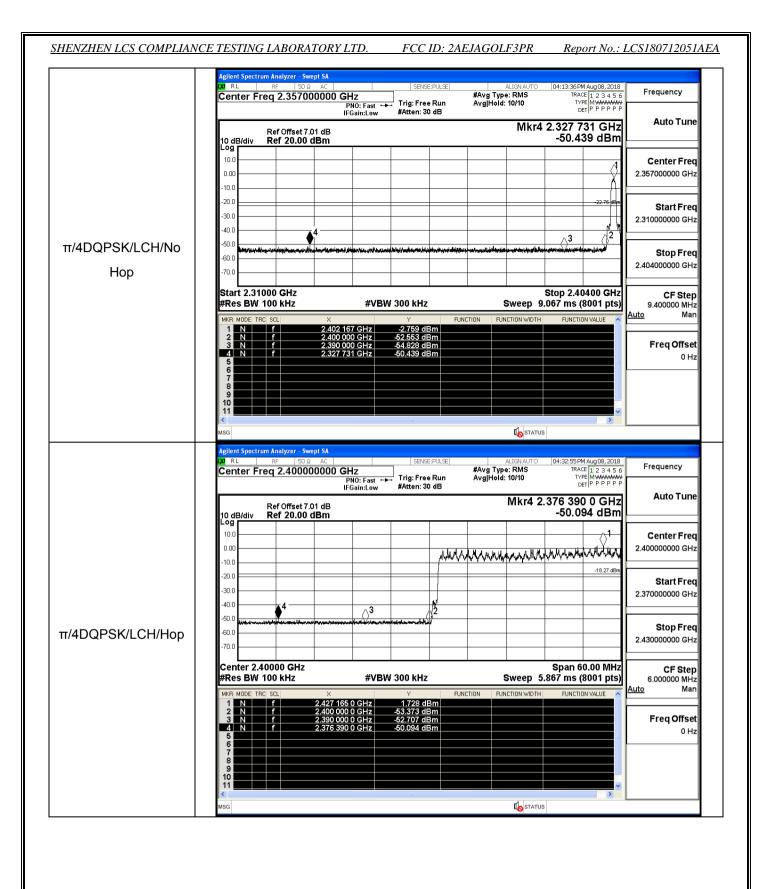


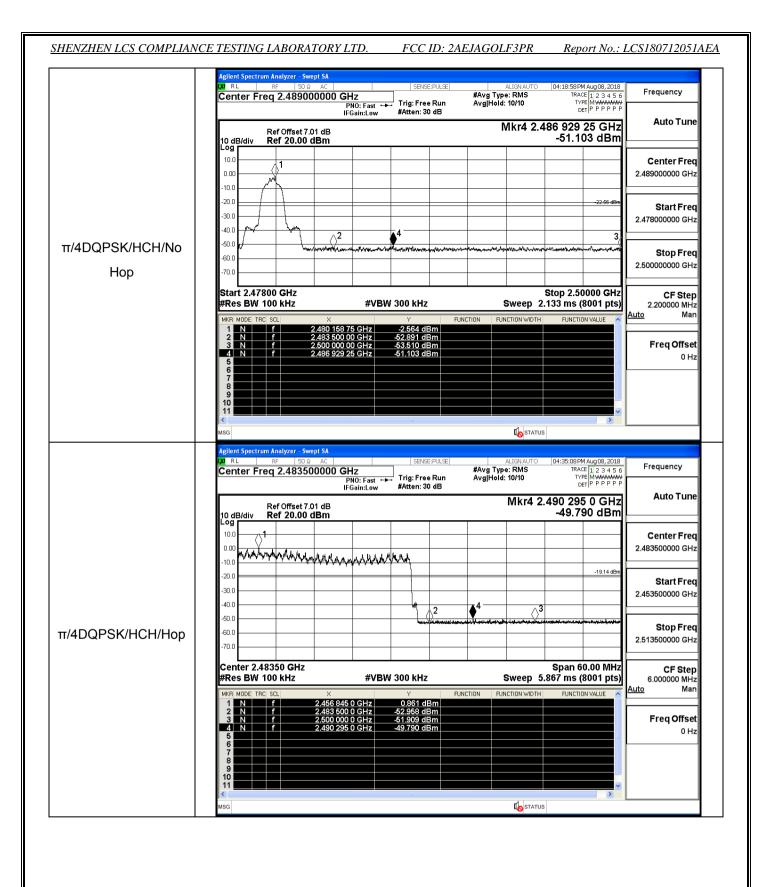
A.7 Band-edge for RF Conducted Emissions

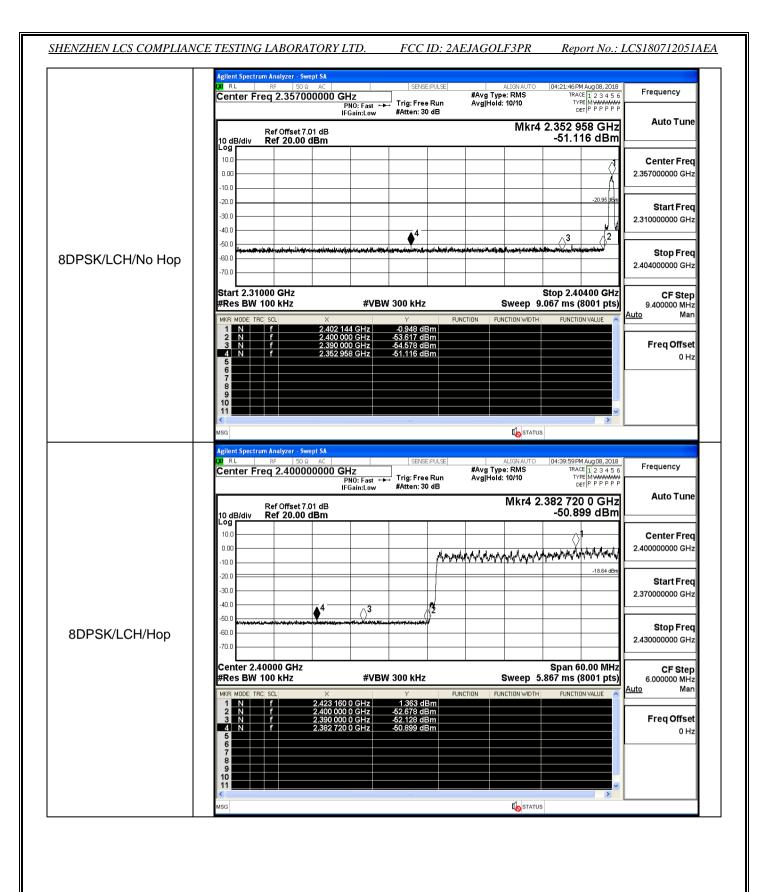
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
		0.400	0.704	Off	-51.121	-19.3	PASS	
0.501/	LCH	2402	3.087	On	-50.963	-16.91	PASS	
GFSK				-1.197	Off	-50.098	-21.2	PASS
	HCH	2480	1.890	On	-50.109	-18.11	PASS	
	LCH			-2.759	Off	-50.439	-22.76	PASS
		2402	1.728	On	-50.094	-18.27	PASS	
π/4DQPSK	НСН	2480	-2.564	Off	-51.103	-22.56	PASS	
			0.861	On	-49.790	-19.14	PASS	
			-0.948	Off	-51.116	-20.95	PASS	
	LCH	2402	1.363	On	-50.899	-18.64	PASS	
8DPSK			-2.570	Off	-50.903	-22.57	PASS	
	HCH	2480	-0.684	On	-49.807	-20.68	PASS	

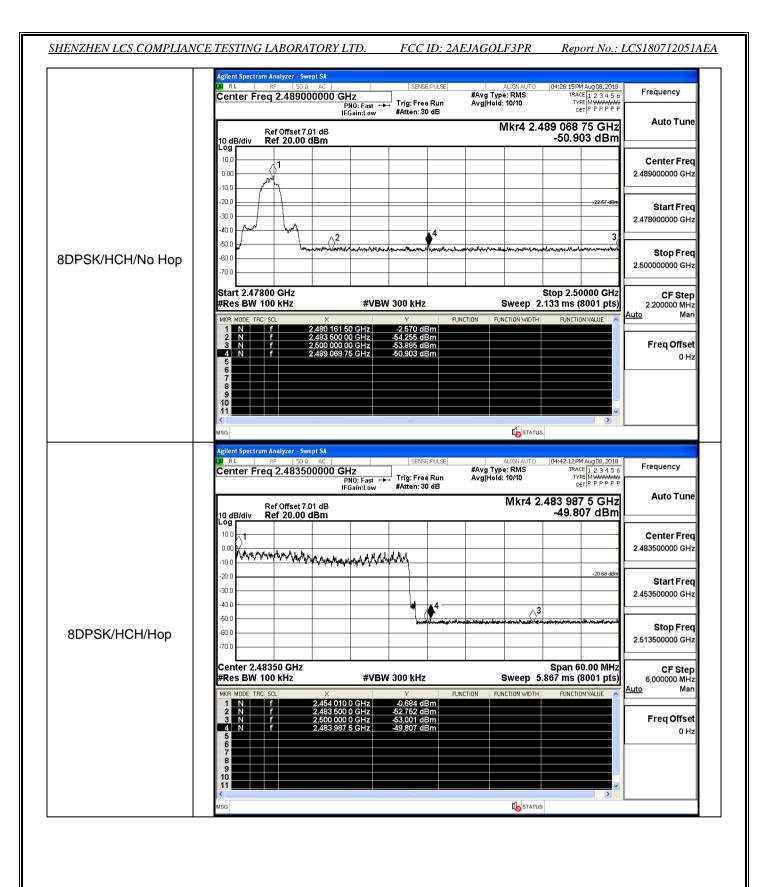






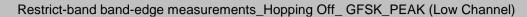


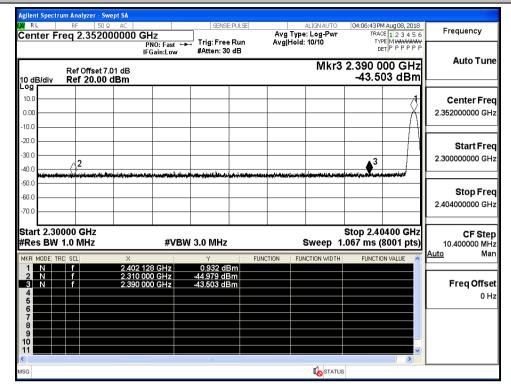




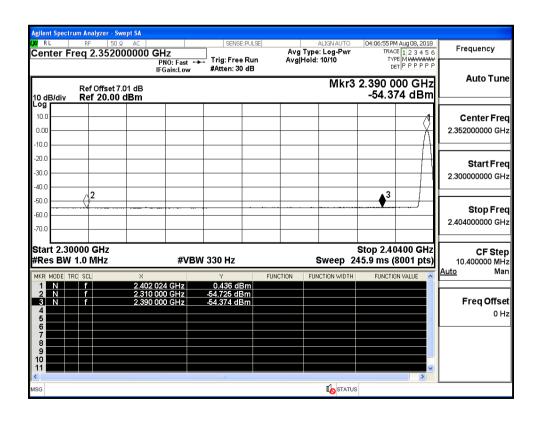
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.98	2.0	0	52.28	PEAK	74	PASS
	Off	2310.0	-54.73	2.0	0	42.53	AV	54	PASS
	Off	2390.0	-43.50	2.0	0	53.75	PEAK	74	PASS
	Off	2390.0	-54.37	2.0	0	42.88	AV	54	PASS
GFSK	Off	2483.5	-43.08	2.0	0	54.17	PEAK	74	PASS
	Off	2483.5	-54.23	2.0	0	43.03	AV	54	PASS
	Off	2500.0	-43.90	2.0	0	53.36	PEAK	74	PASS
	Off	2500.0	-54.12	2.0	0	43.13	AV	54	PASS
	Off	2310.0	-42.27	2.0	0	54.99	PEAK	74	PASS
	Off	2310.0	-54.70	2.0	0	42.56	AV	54	PASS
	Off	2390.0	-44.97	2.0	0	52.29	PEAK	74	PASS
(45.050)	Off	2390.0	-54.52	2.0	0	42.74	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.96	2.0	0	53.30	PEAK	74	PASS
	Off	2483.5	-54.11	2.0	0	43.14	AV	54	PASS
	Off	2500.0	-44.54	2.0	0	52.72	PEAK	74	PASS
	Off	2500.0	-54.08	2.0	0	43.18	AV	54	PASS
	Off	2310.0	-43.24	2.0	0	54.02	PEAK	74	PASS
	Off	2310.0	-54.71	2.0	0	42.54	AV	54	PASS
	Off	2390.0	-44.38	2.0	0	52.88	PEAK	74	PASS
	Off	2390.0	-54.43	2.0	0	42.83	AV	54	PASS
8DPSK	Off	2483.5	-43.80	2.0	0	53.46	PEAK	74	PASS
	Off	2483.5	-54.21	2.0	0	43.05	AV	54	PASS
	Off	2500.0	-43.15	2.0	0	54.10	PEAK	74	PASS
	Off	2500.0	-54.03	2.0	0	43.22	AV	54	PASS

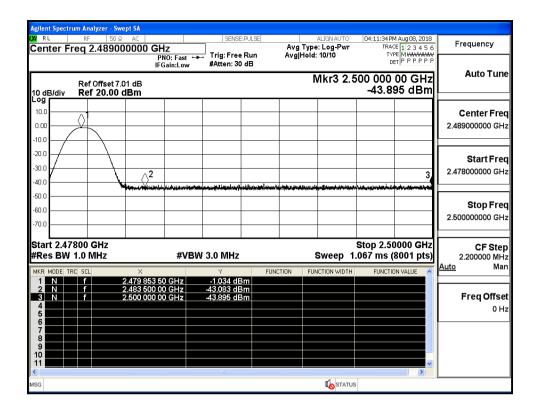




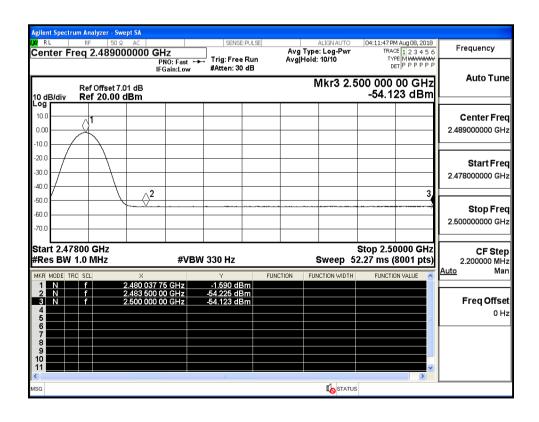
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



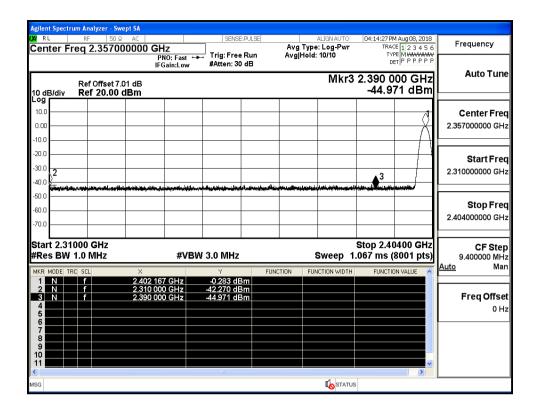
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



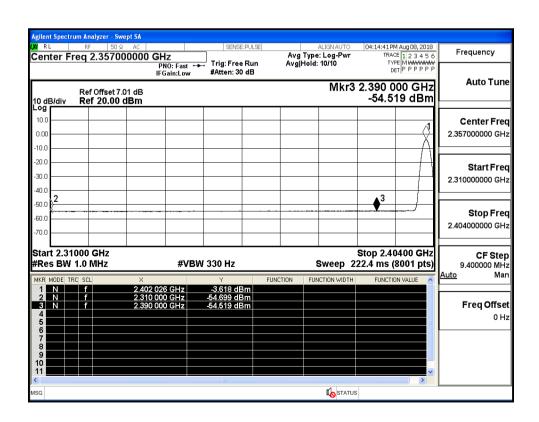
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



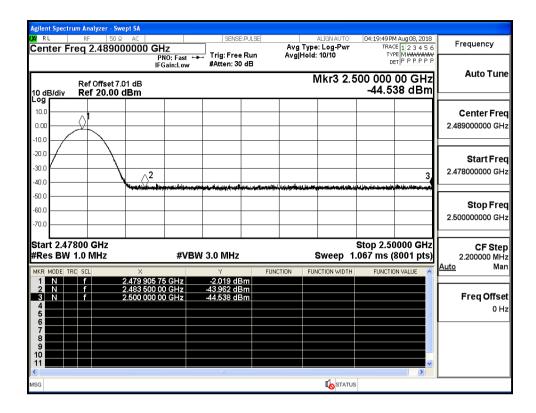
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



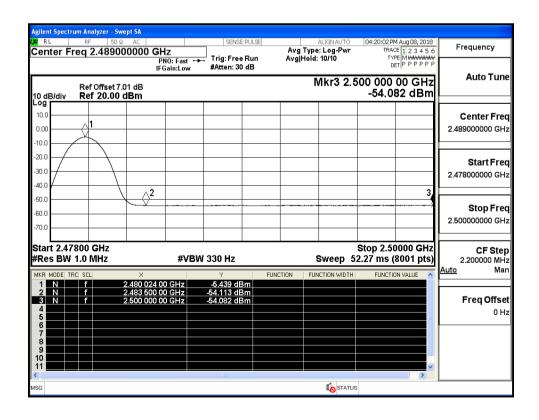
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



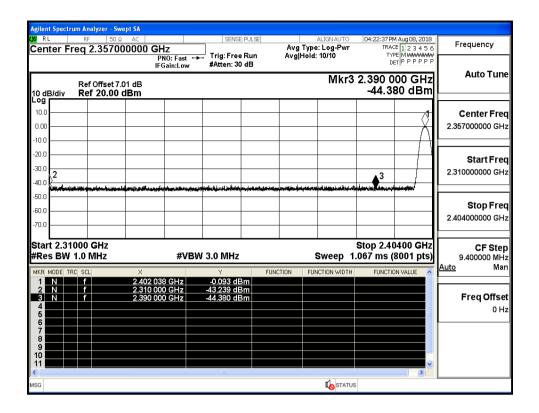
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



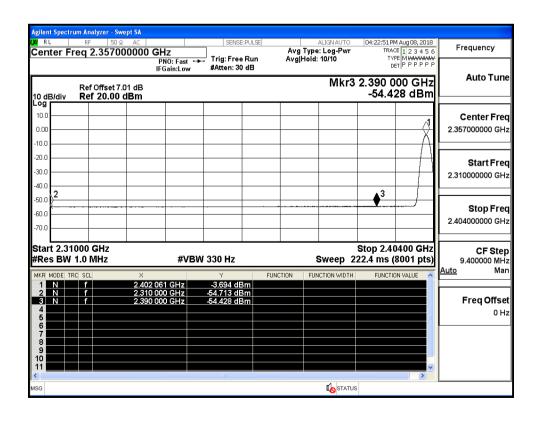
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



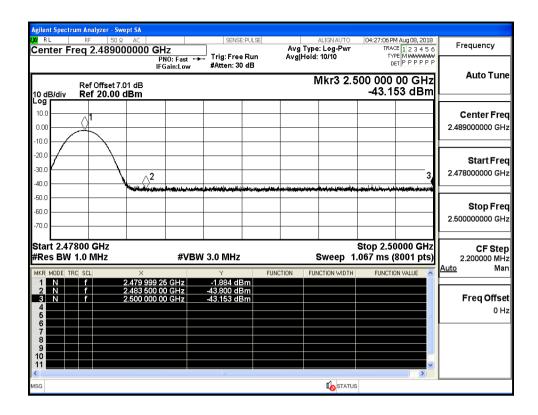
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)

