Appendix A

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

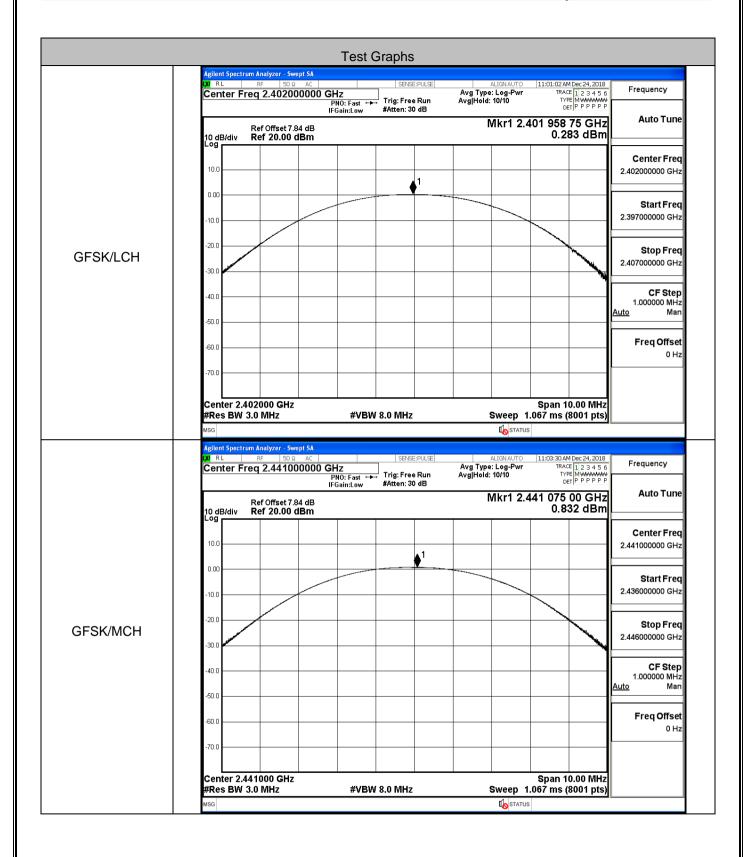
Product Name: Smart Phone Trade Mark: Kalley Test Model: BLACK PRO

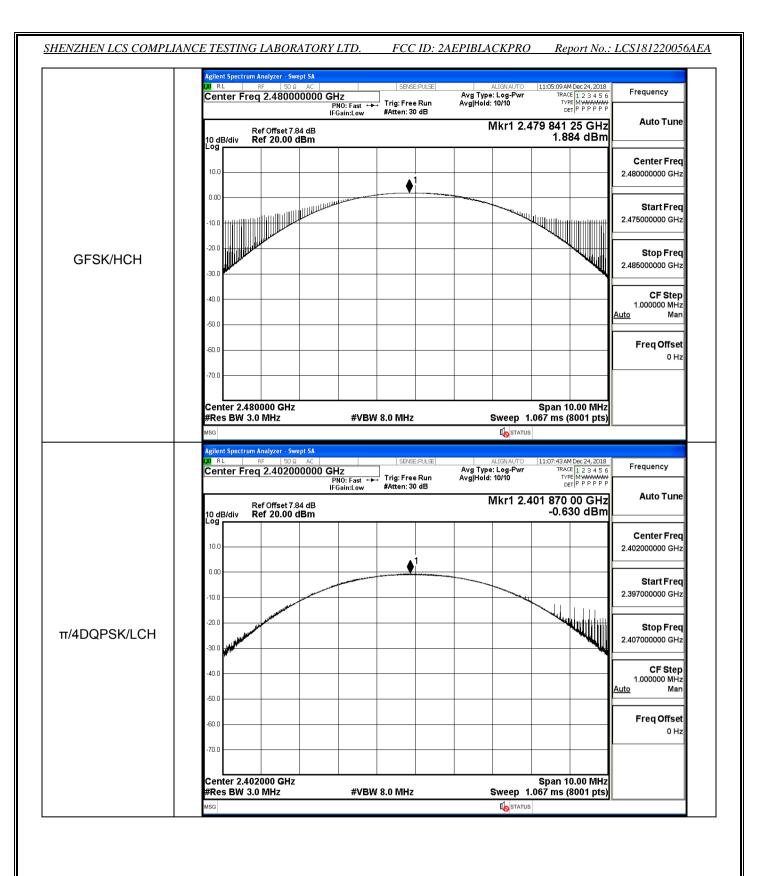
Environmental Conditions

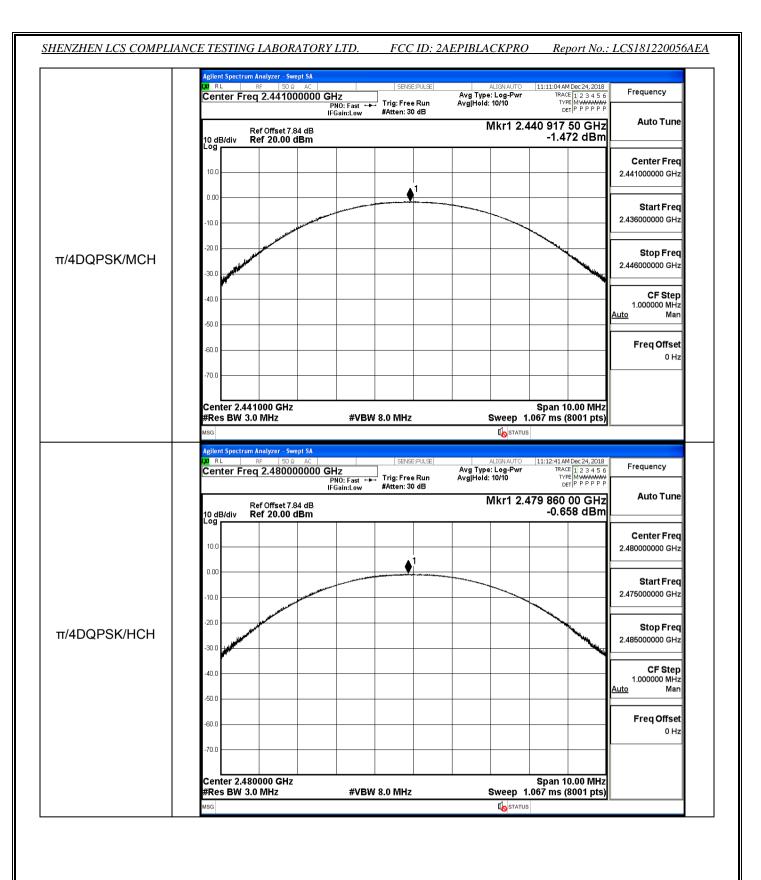
Temperature:	23.6 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	WANG CHUANG
Supervised by:	Jayden Zhuo

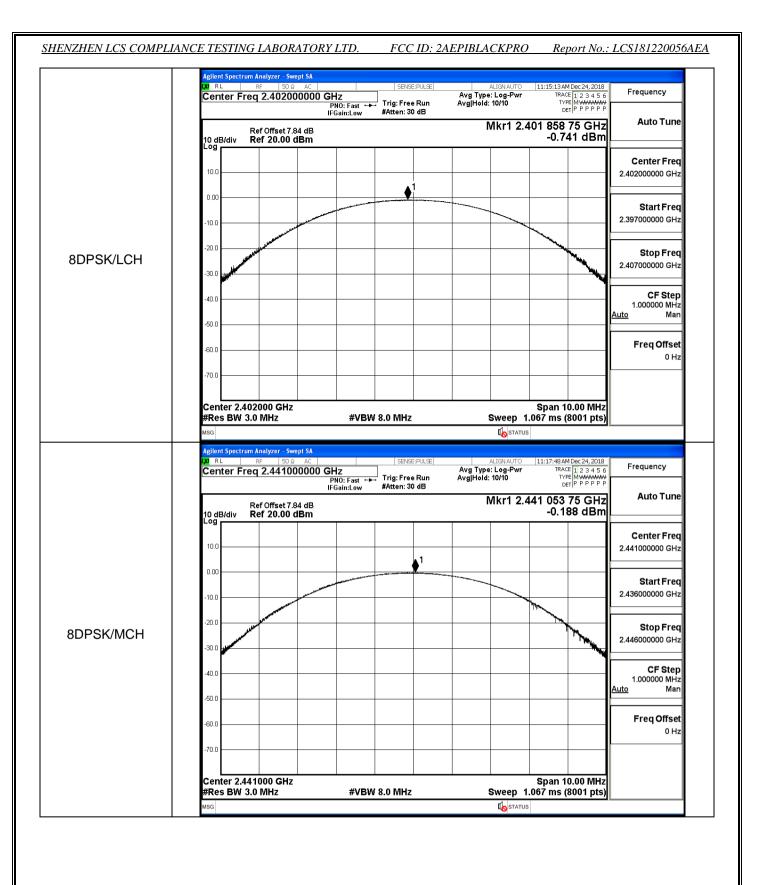
A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Maximum Average Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.283	0.119	30	PASS
GFSK	MCH	0.832	0.659	30	PASS
	НСН	1.884	1.696	30	PASS
	LCH	-0.630	-0.778	21	PASS
π/4DQPSK	MCH	-1.472	-1.679	21	PASS
	HCH	-0.658	-0.807	21	PASS
8DPSK	LCH	-0.741	-0.912	21	PASS
	MCH	-0.188	-0.340	21	PASS
	НСН	0.452	0.304	21	PASS



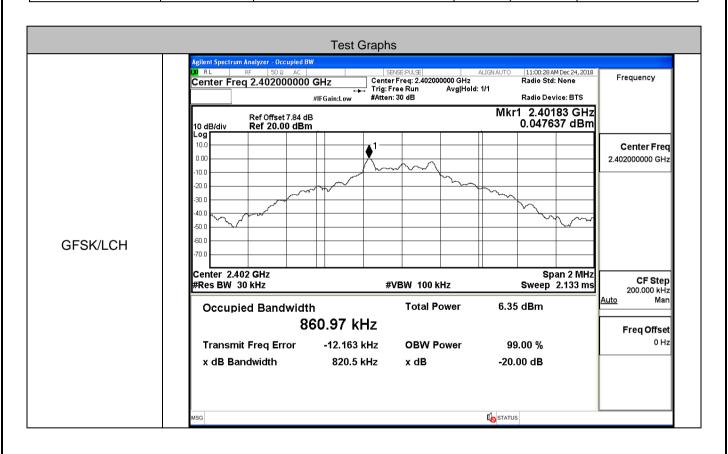


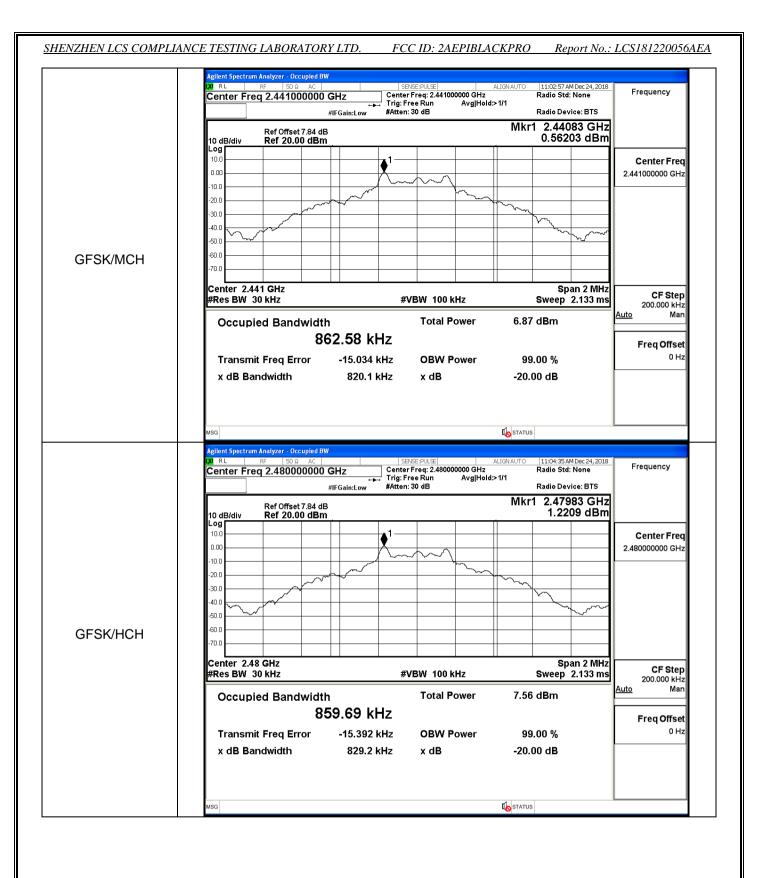


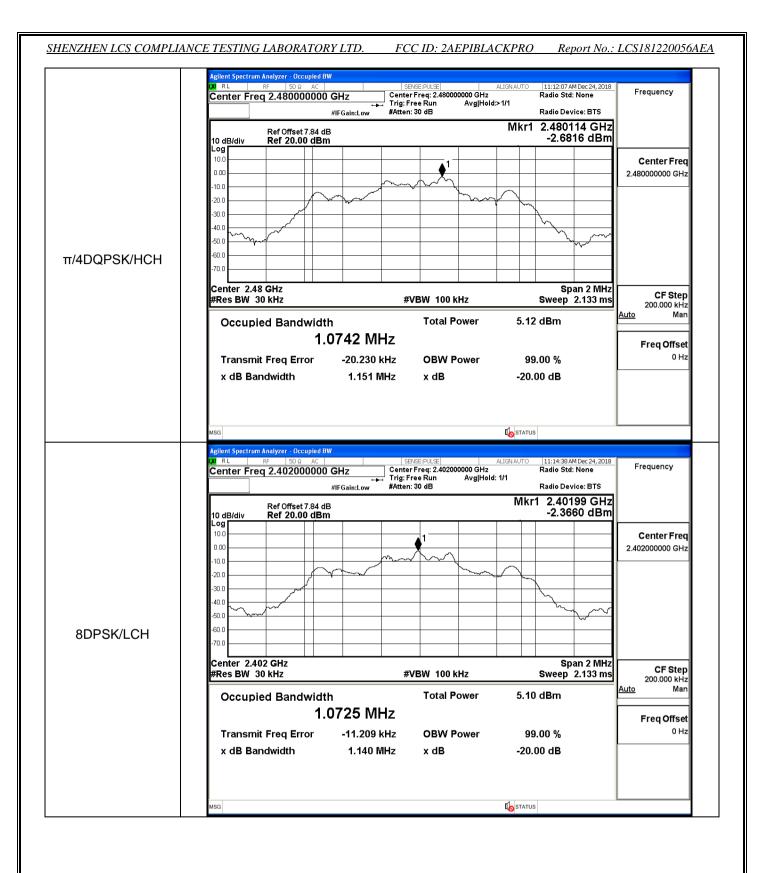


A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.8205	Not Specified	PASS
GFSK	MCH	0.8201	Not Specified	PASS
	HCH	0.8292	Not Specified	PASS
	LCH	1.122	Not Specified	PASS
π/4DQPSK	MCH	1.130	Not Specified	PASS
	НСН	1.151	Not Specified	PASS
	LCH	1.140	Not Specified	PASS
8DPSK	MCH	1.153	Not Specified	PASS
	HCH	1.136	Not Specified	PASS

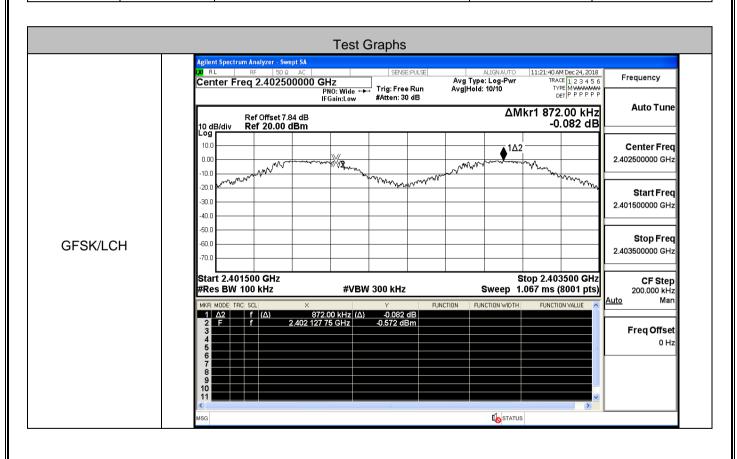


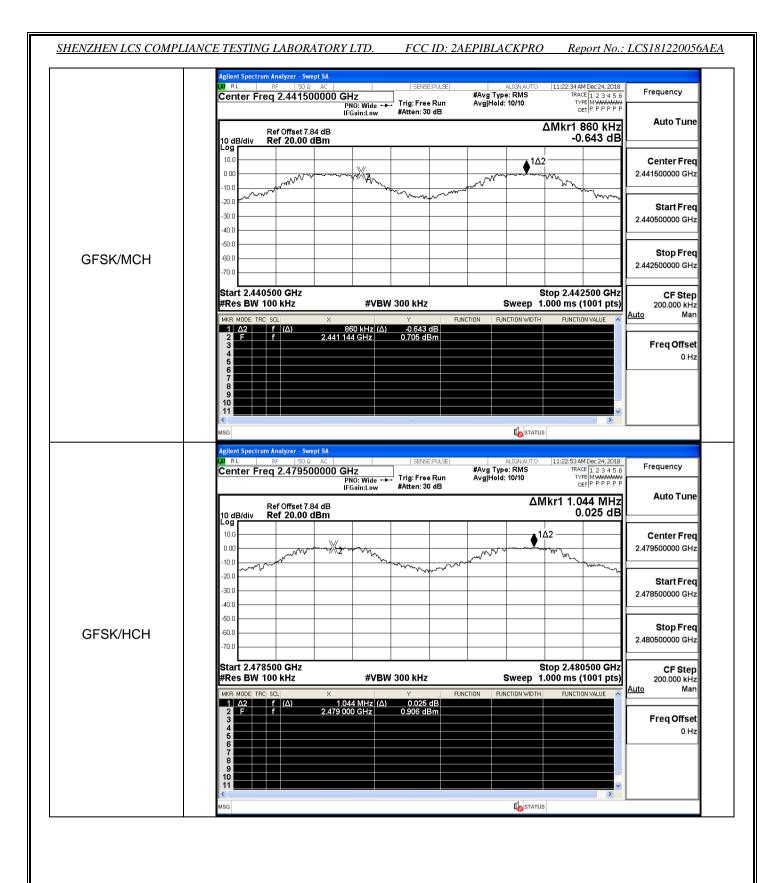


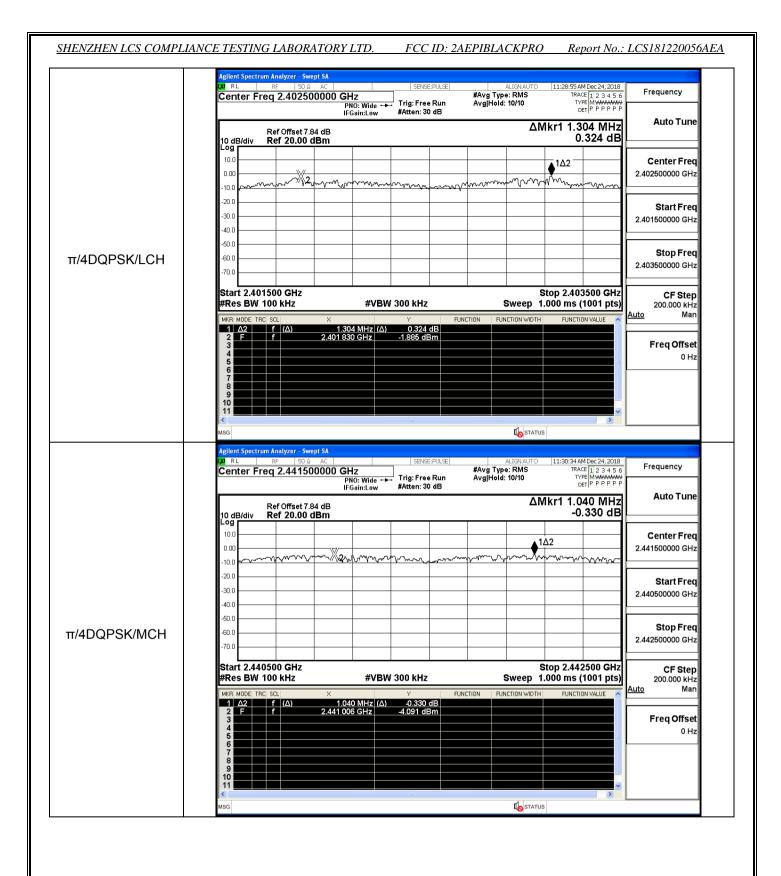


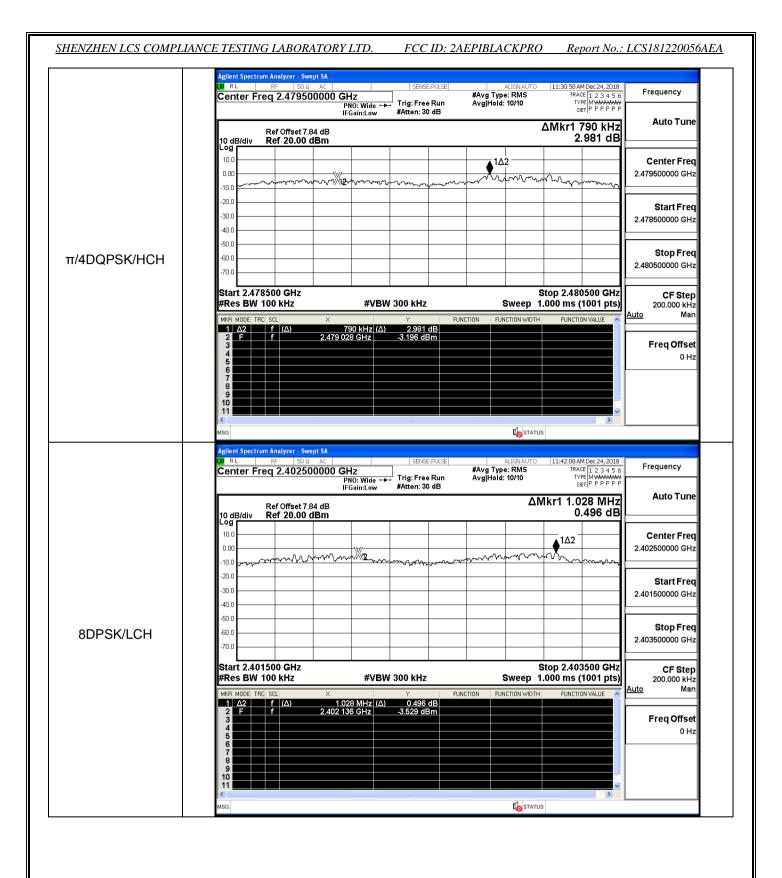
A.3 Carrier Frequency Separation

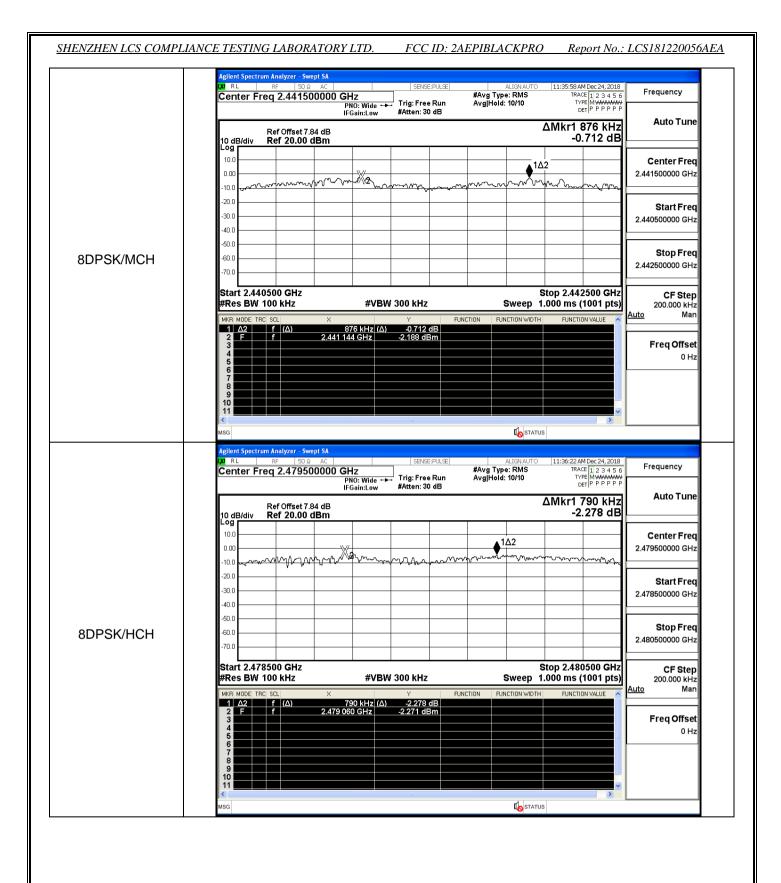
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.872	0.8205	PASS
GFSK	MCH	0.860	0.8201	PASS
	HCH	1.044	0.8292	PASS
	LCH	1.304	0.767	PASS
π/4DQPSK	MCH	1.040	0.767	PASS
	HCH	0.790	0.767	PASS
	LCH	1.028	0.769	PASS
8DPSK	DPSK MCH 0.876		0.769	PASS
	HCH	0.790	0.769	PASS





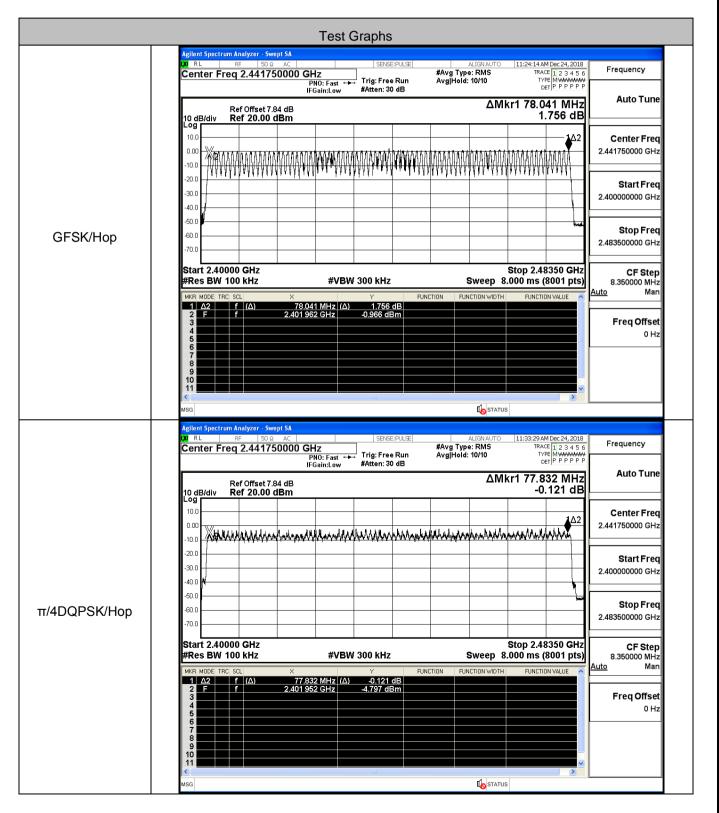


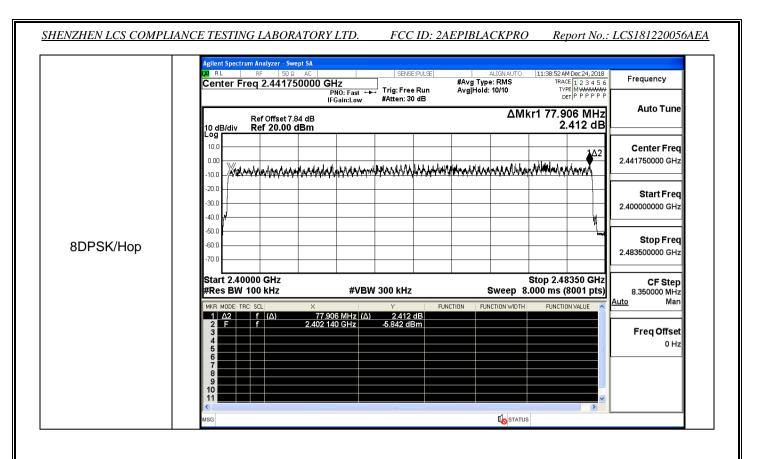




A.4 Hopping Channel Number

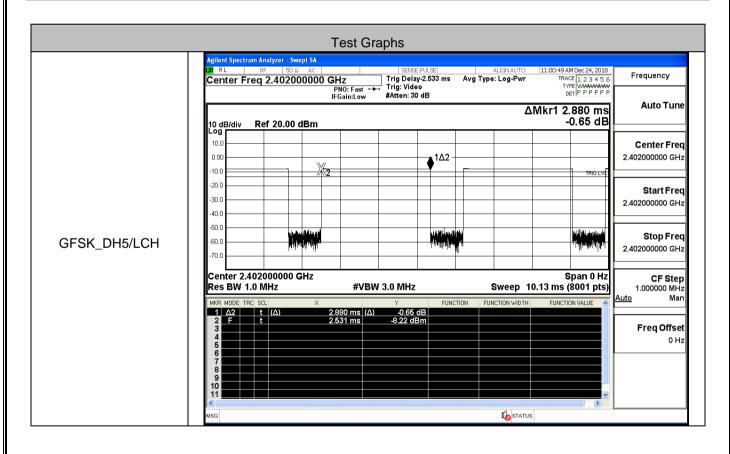
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

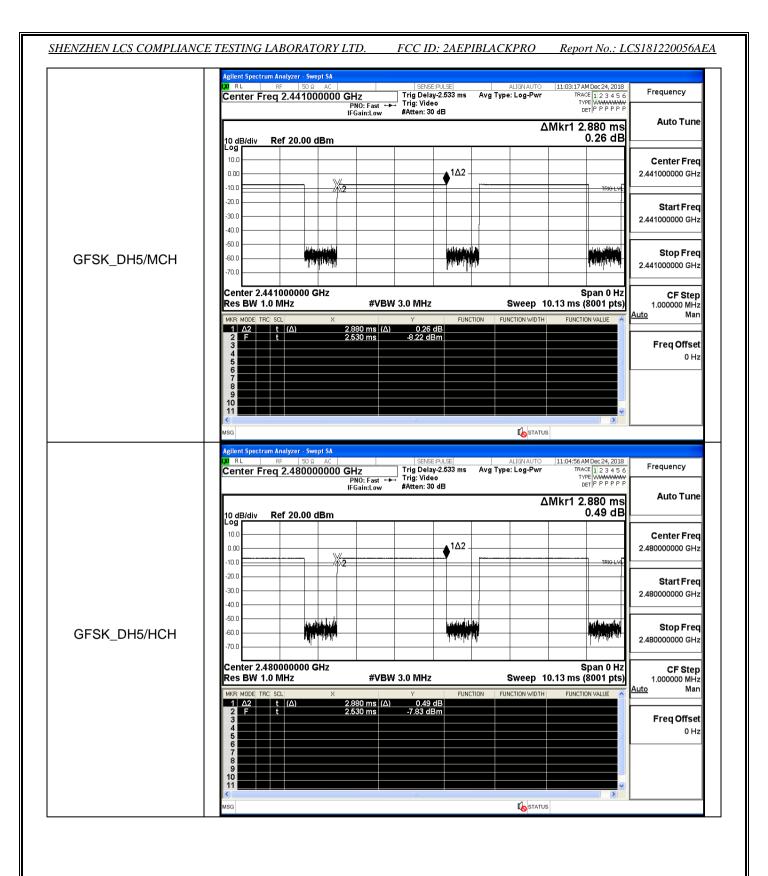


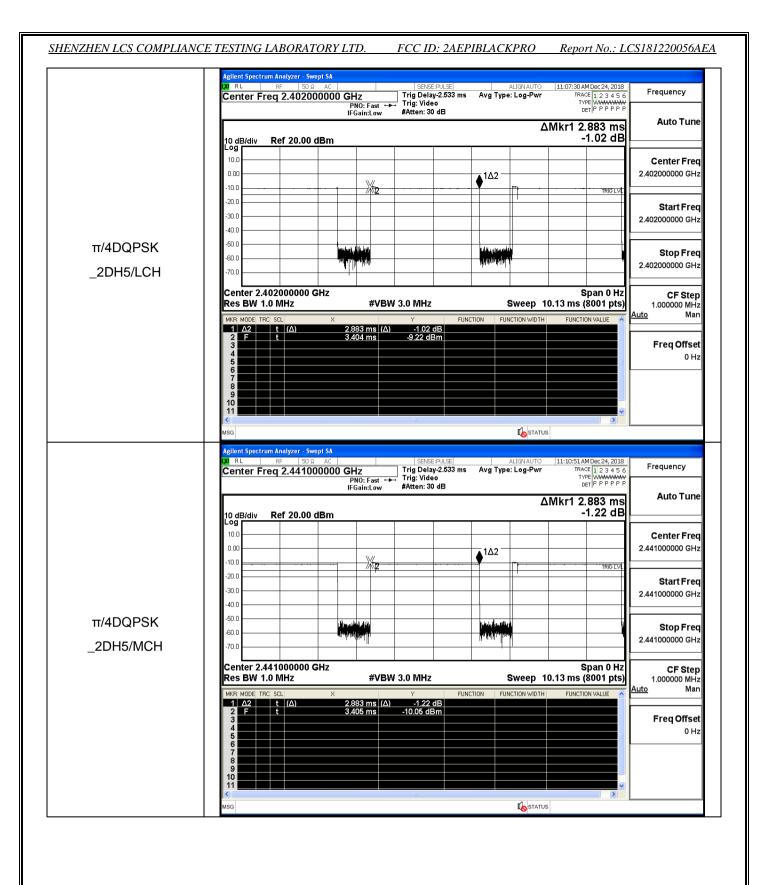


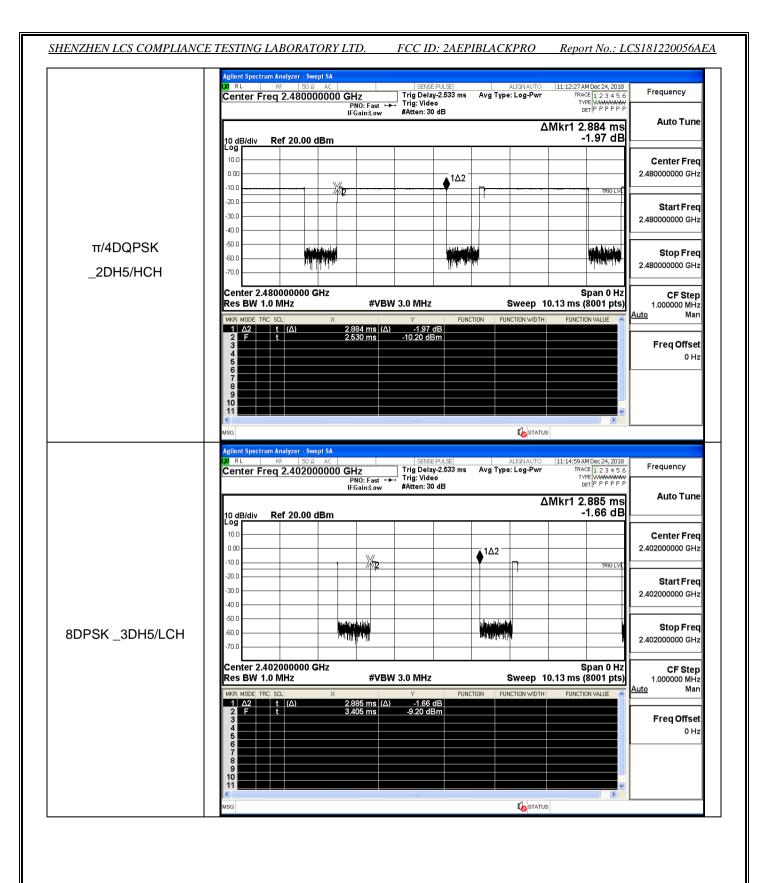
A.5 Dwell Time

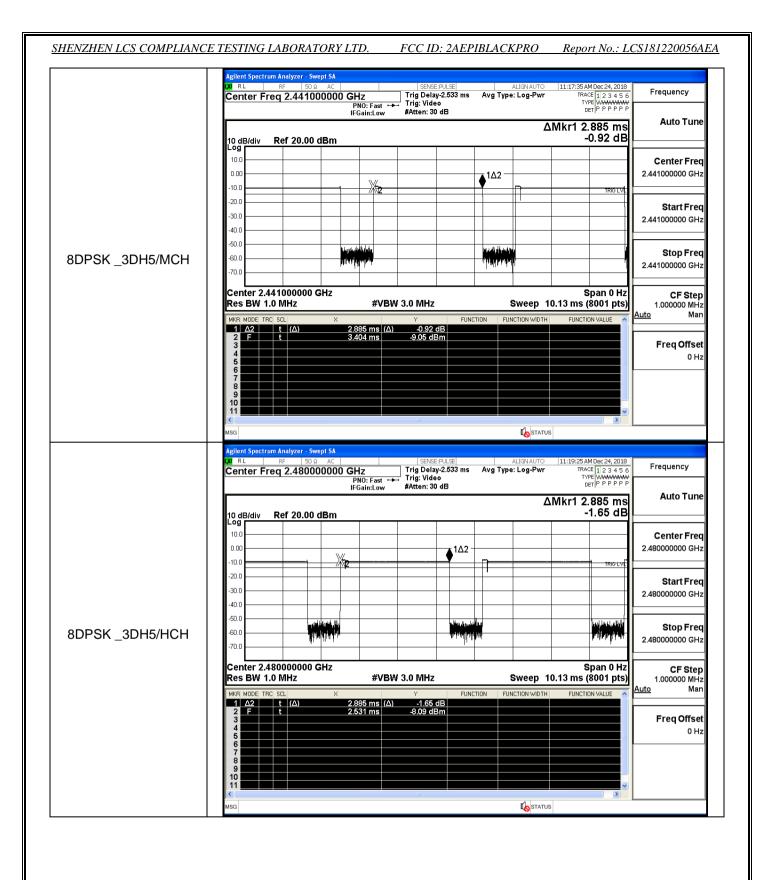
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
	3DH5	LCH	2.89	106.7	0.308	0.4	PASS
8DPSK	3DH5	MCH	2.89	106.7	0.308	0.4	PASS
	3DH5	НСН	2.89	106.7	0.308	0.4	PASS





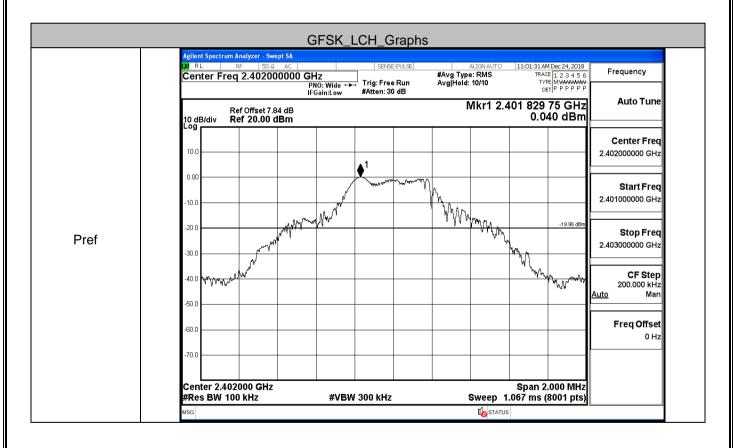




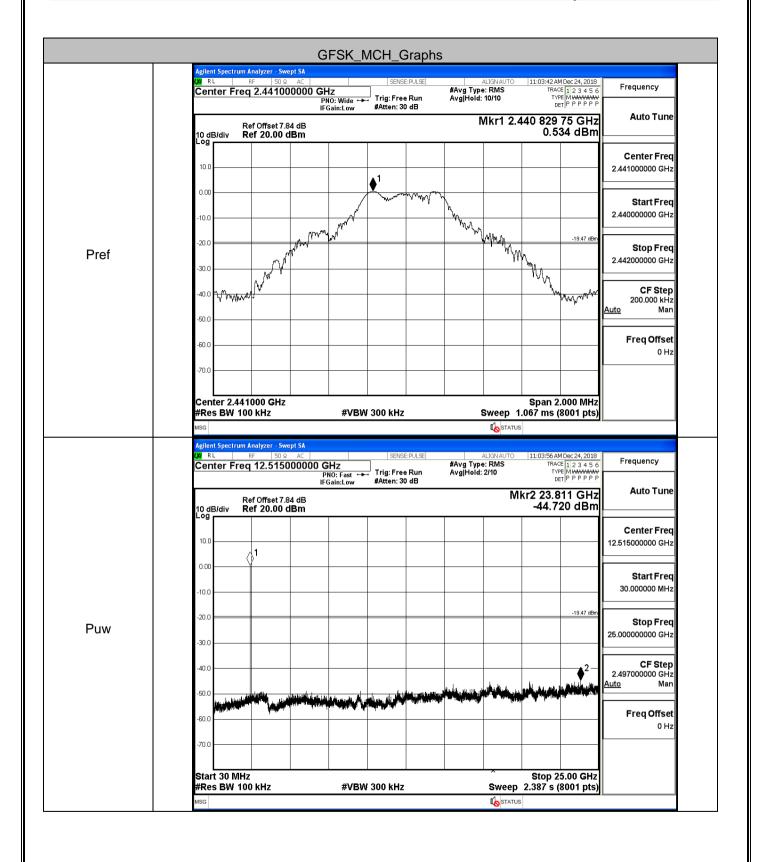


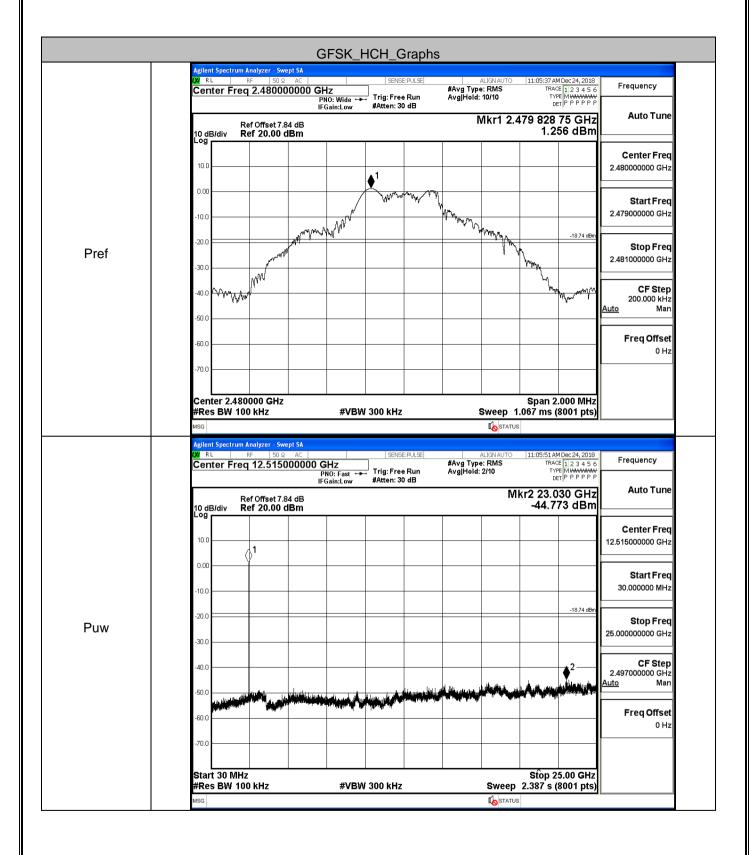
A.6 RF Conducted Spurious Emissions

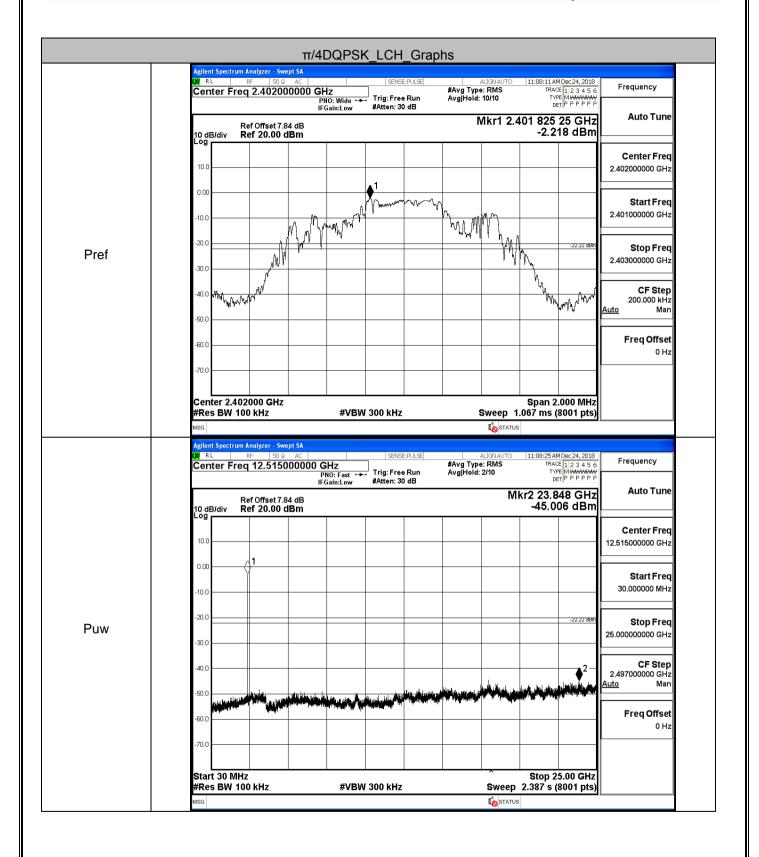
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.04	-44.954	-19.960	PASS
GFSK	MCH	0.534	-44.720	-19.466	PASS
	НСН	1.256	-44.773	-18.744	PASS
	LCH	-2.218	-45.006	-22.218	PASS
π/4DQPSK	MCH	-2.094	-45.104	-22.094	PASS
	НСН	-1.485	-45.103	-21.485	PASS
	LCH	-1.293	-44.080	-21.293	PASS
8DPSK	MCH	-0.825	-44.423	-20.825	PASS
	НСН	-0.681	-44.306	-20.681	PASS

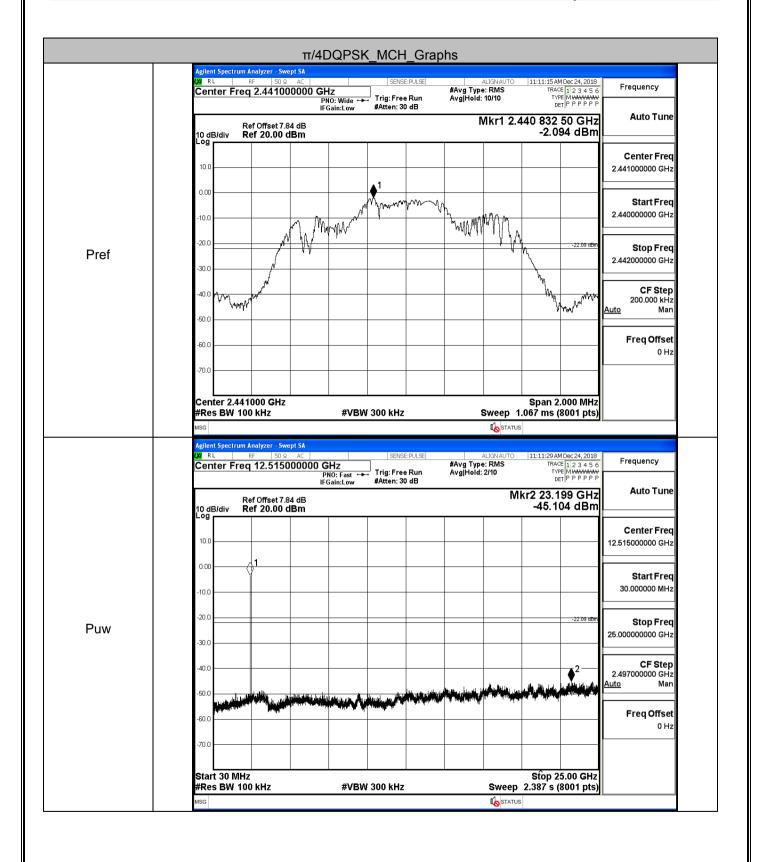


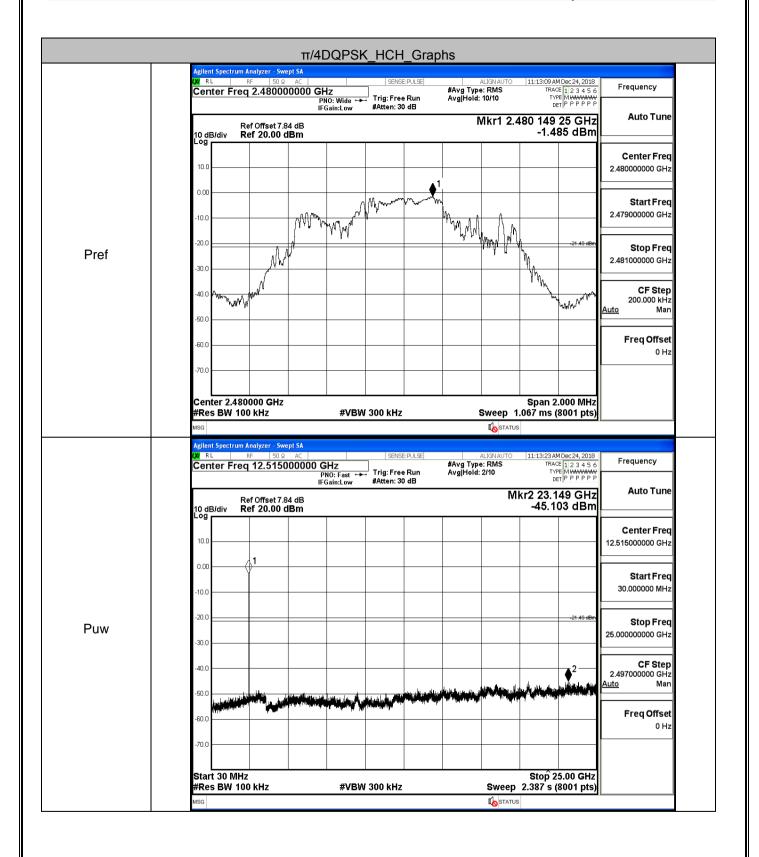
STATUS

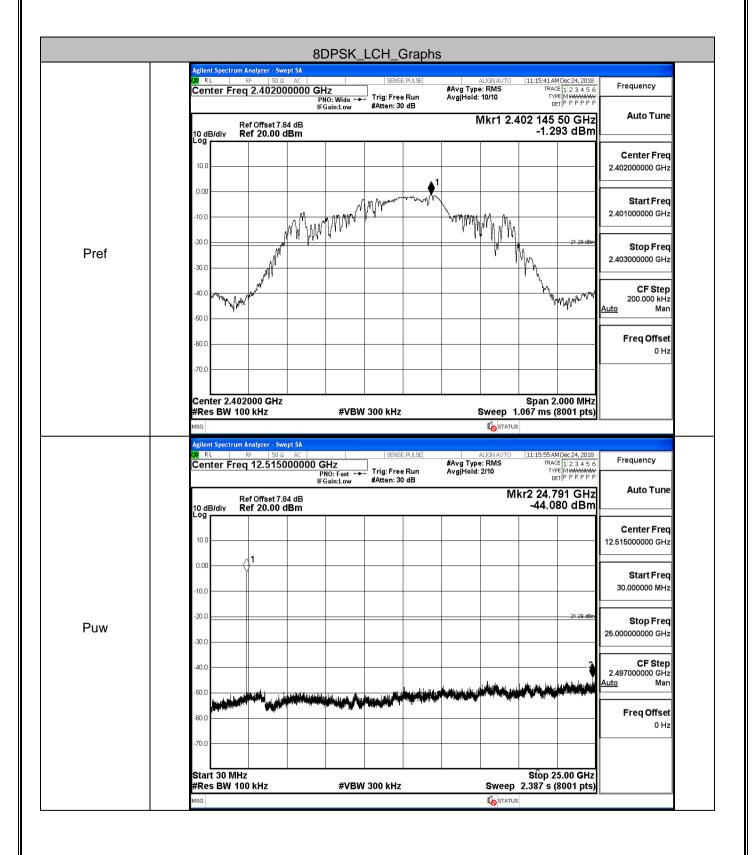


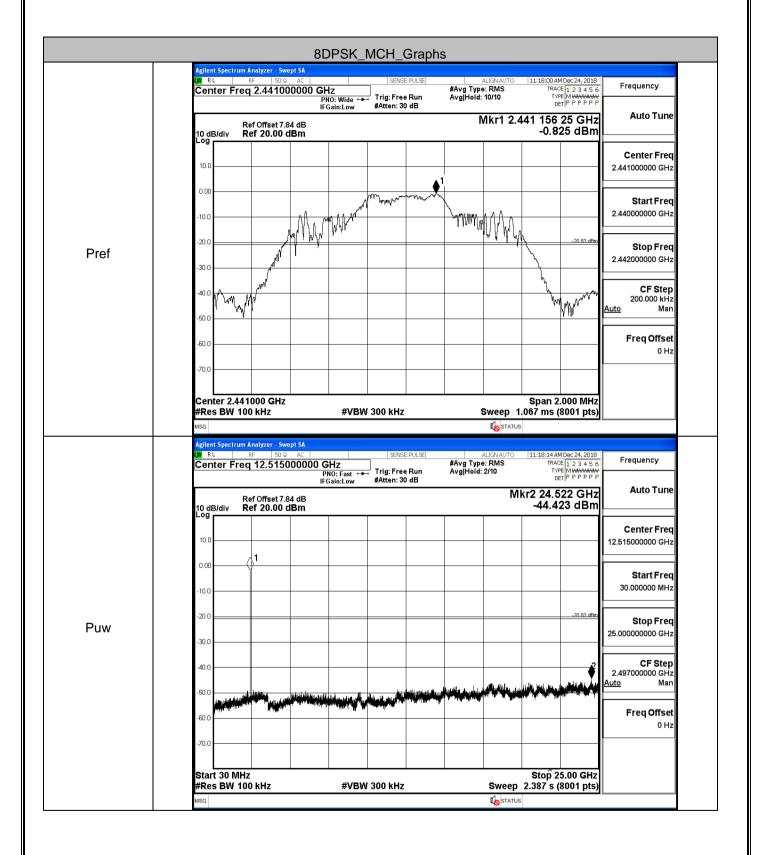


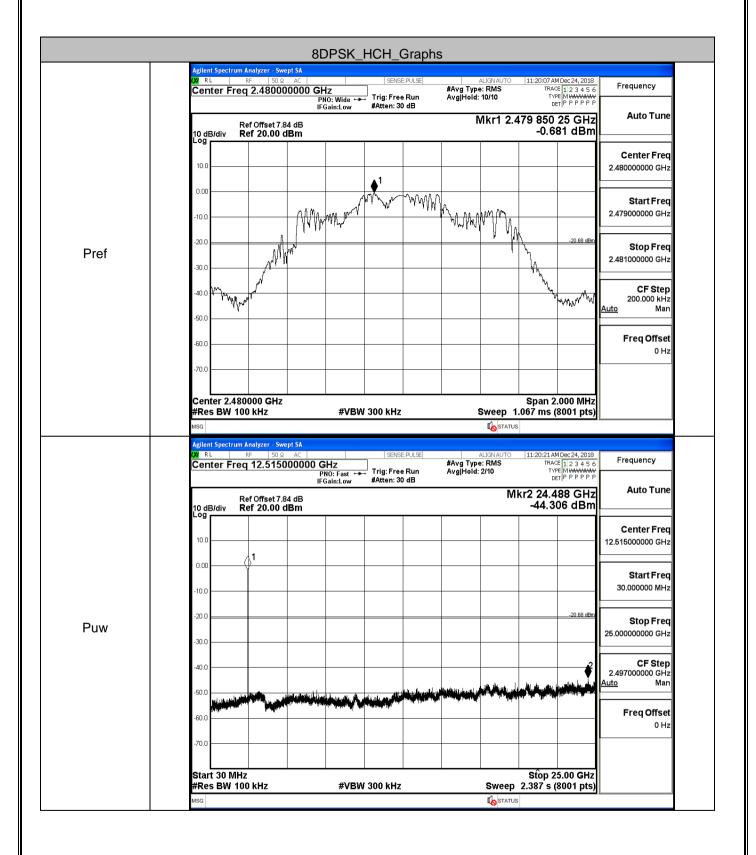






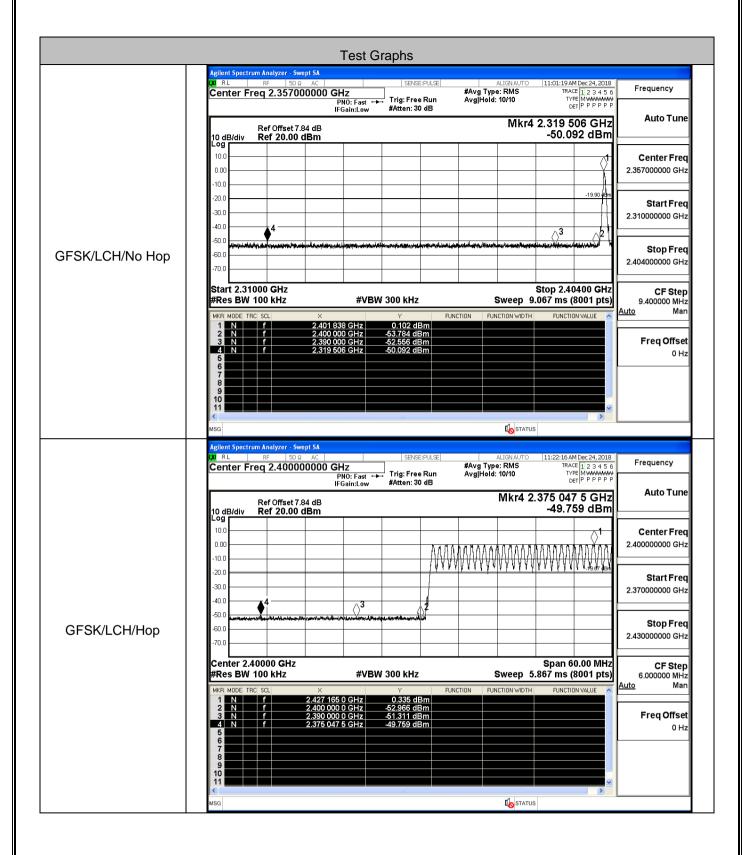


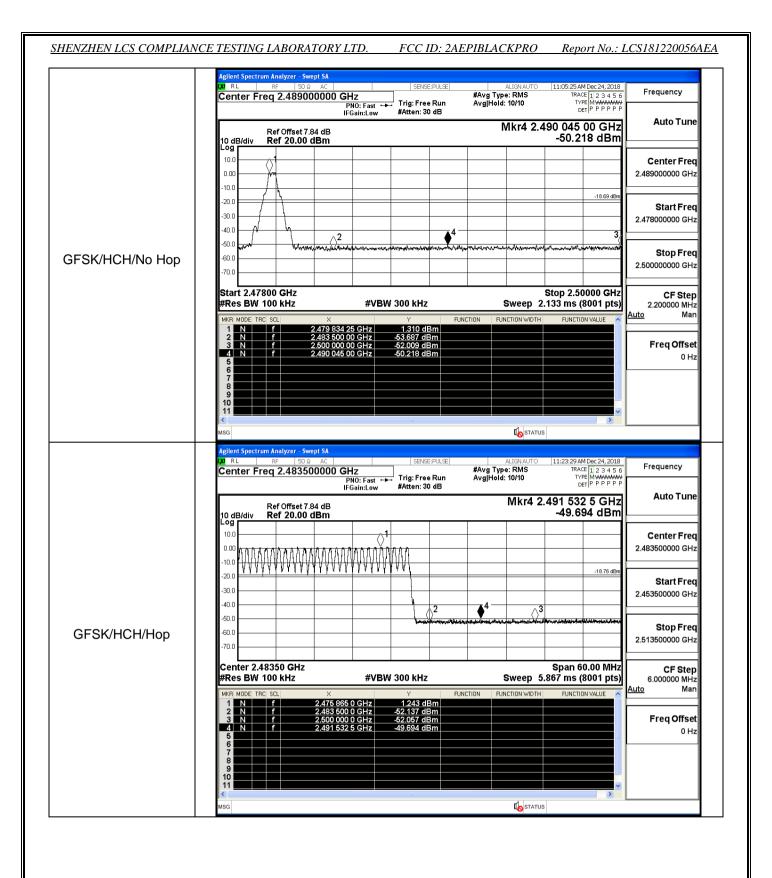


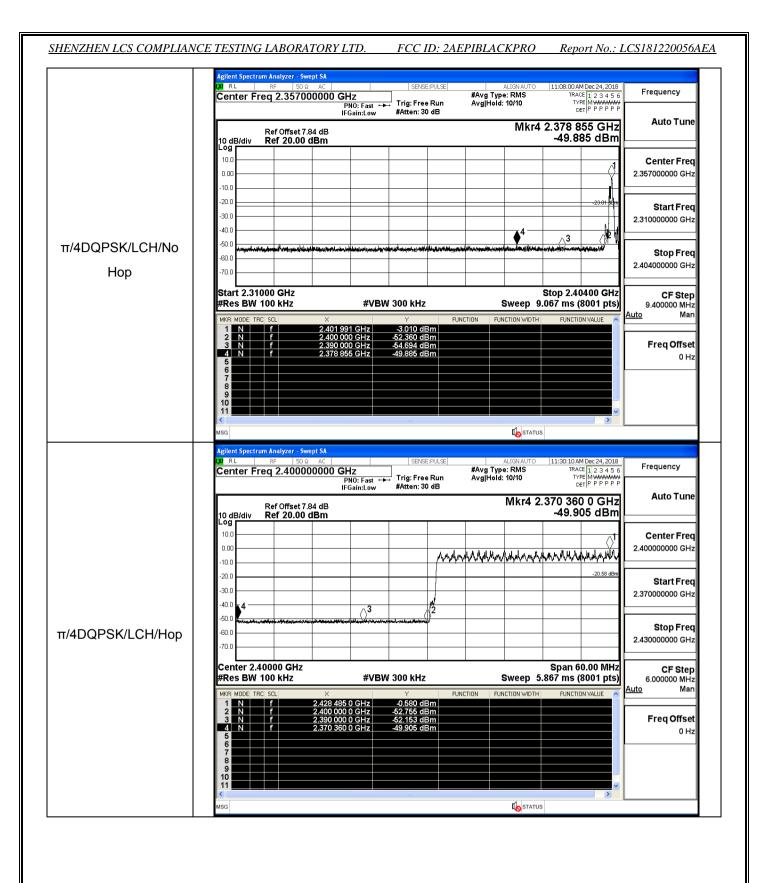


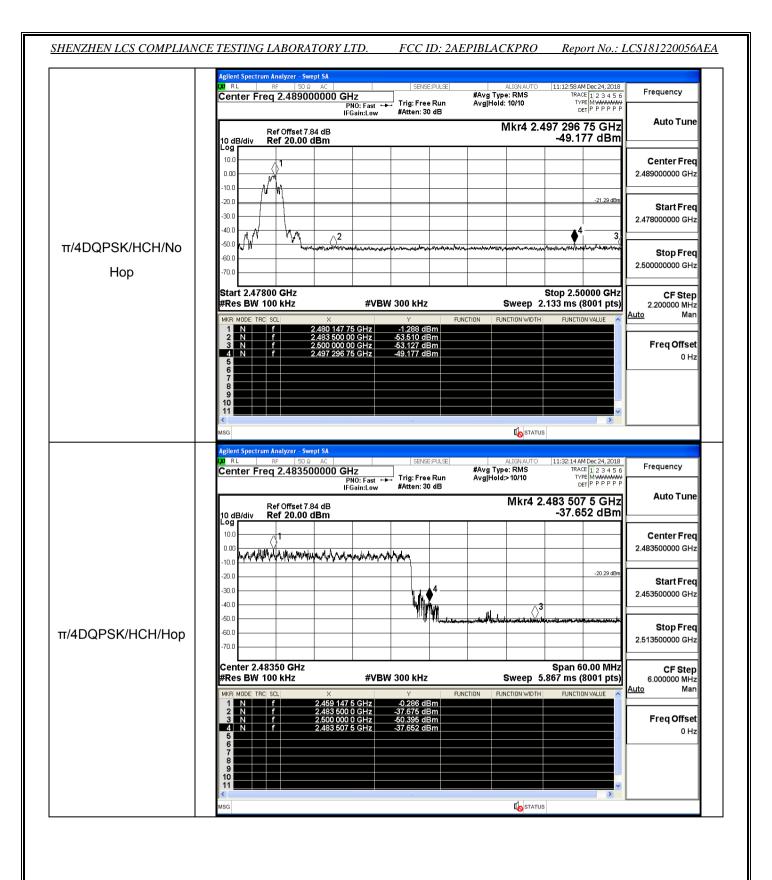
A.7 Band-edge for RF Conducted Emissions

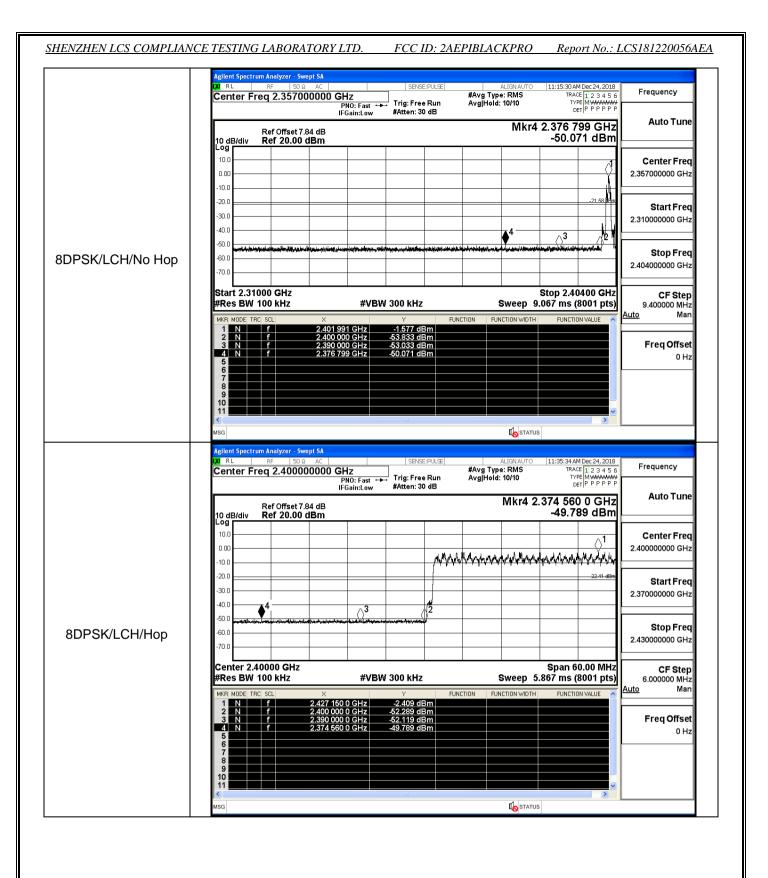
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict		
			0.102	Off	-50.092	-19.9	PASS		
	LCH	2402	0.335	On	-49.759	-19.67	PASS		
GFSK	НСН			1.310	Off	-50.218	-18.69	PASS	
		2480	1.243	On	-49.694	-18.76	PASS		
	LCH				-3.010	Off	-49.885	-23.01	PASS
		2402	-0.580	On	-49.905	-20.58	PASS		
π/4DQPSK	НСН	d 2480	-1.288	Off	-49.177	-21.29	PASS		
			-0.286	On	-37.652	-20.29	PASS		
			-1.577	Off	-50.071	-21.58	PASS		
	LCH	2402	-2.409	On	-49.789	-22.41	PASS		
8DPSK			-0.123	Off	-49.847	-20.12	PASS		
	HCH	2480	-1.430	On	-49.039	-21.43	PASS		

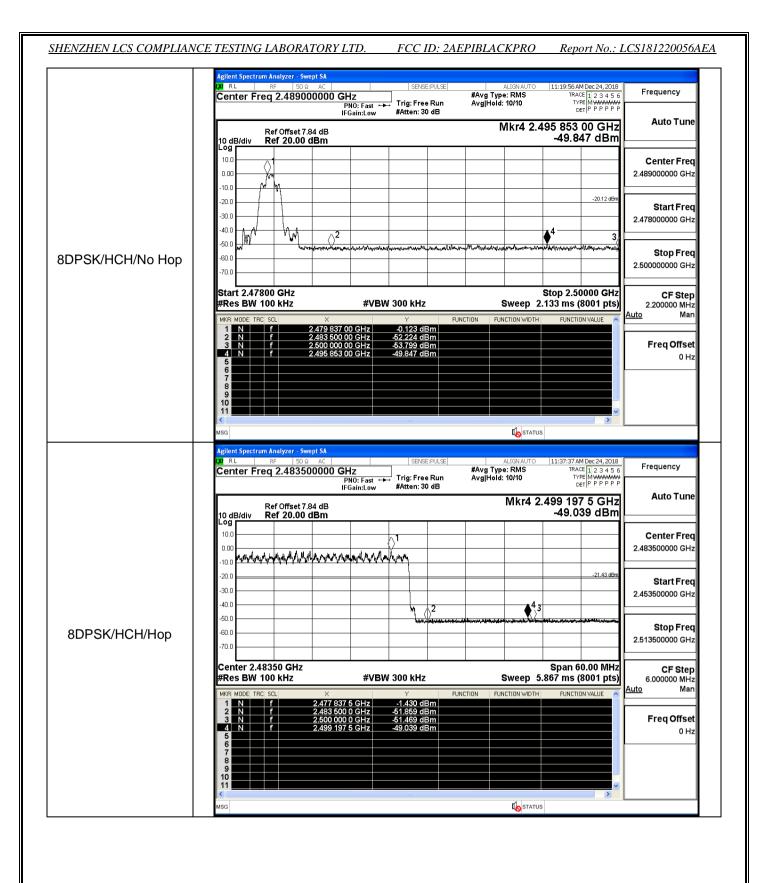






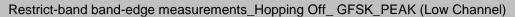


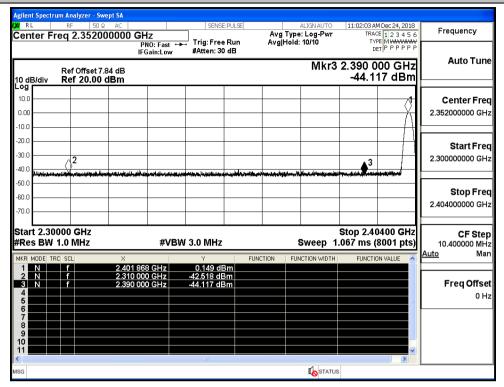




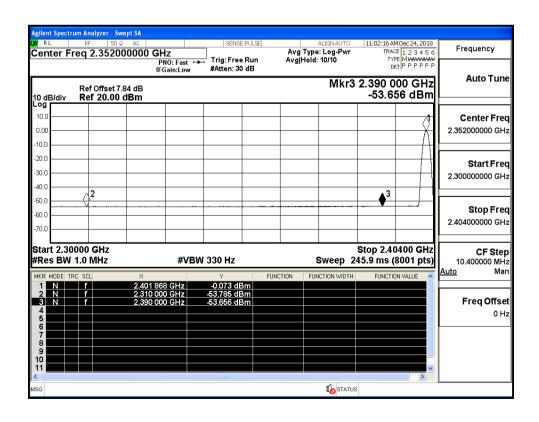
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-42.52	2.0	0	54.74	PEAK	74	PASS
	Off	2310.0	-53.79	2.0	0	43.47	AV	54	PASS
	Off	2390.0	-44.12	2.0	0	53.14	PEAK	74	PASS
05014	Off	2390.0	-53.66	2.0	0	43.60	AV	54	PASS
GFSK	Off	2483.5	-43.01	2.0	0	54.25	PEAK	74	PASS
	Off	2483.5	-53.36	2.0	0	43.90	AV	54	PASS
	Off	2500.0	-43.74	2.0	0	53.52	PEAK	74	PASS
	Off	2500.0	-53.29	2.0	0	43.97	AV	54	PASS
	Off	2310.0	-43.23	2.0	0	54.03	PEAK	74	PASS
	Off	2310.0	-54.00	2.0	0	43.26	AV	54	PASS
	Off	2390.0	-42.56	2.0	0	54.70	PEAK	74	PASS
/4D0D0K	Off	2390.0	-53.73	2.0	0	43.53	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.37	2.0	0	53.89	PEAK	74	PASS
	Off	2483.5	-53.44	2.0	0	43.82	AV	54	PASS
	Off	2500.0	-43.74	2.0	0	53.52	PEAK	74	PASS
	Off	2500.0	-50.66	2.0	0	46.60	AV	54	PASS
	Off	2310.0	-43.85	2.0	0	53.40	PEAK	74	PASS
	Off	2310.0	-53.96	2.0	0	43.30	AV	54	PASS
	Off	2390.0	-44.27	2.0	0	52.99	PEAK	74	PASS
	Off	2390.0	-53.76	2.0	0	43.50	AV	54	PASS
8DPSK	Off	2483.5	-42.71	2.0	0	54.55	PEAK	74	PASS
	Off	2483.5	-53.54	2.0	0	43.72	AV	54	PASS
	Off	2500.0	-44.55	2.0	0	52.71	PEAK	74	PASS
	Off	2500.0	-53.28	2.0	0	43.98	AV	54	PASS

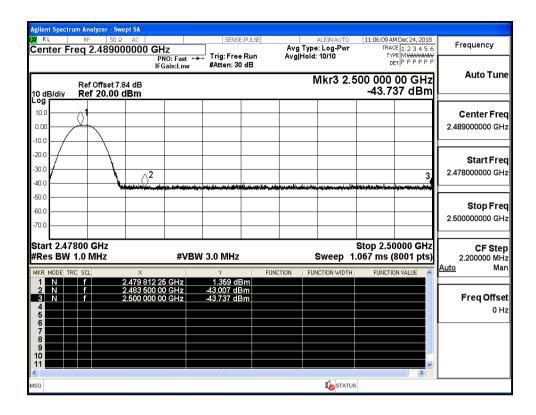




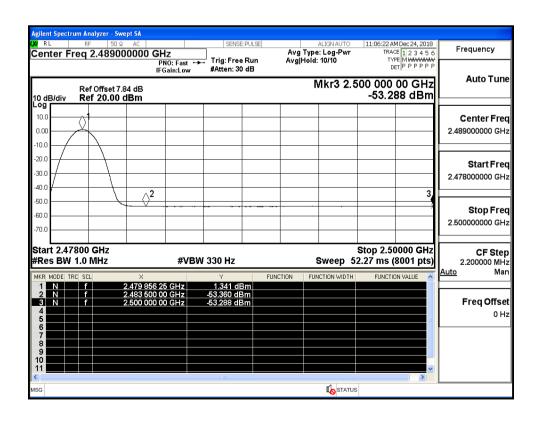
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



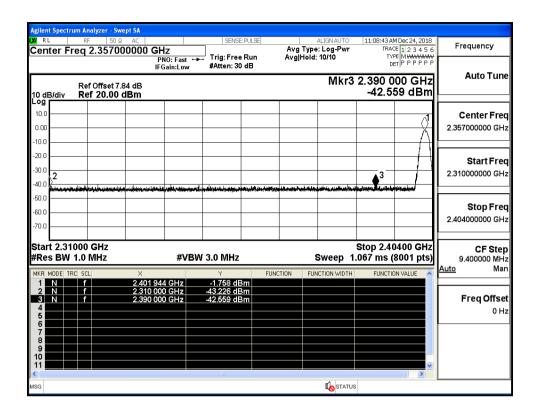
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



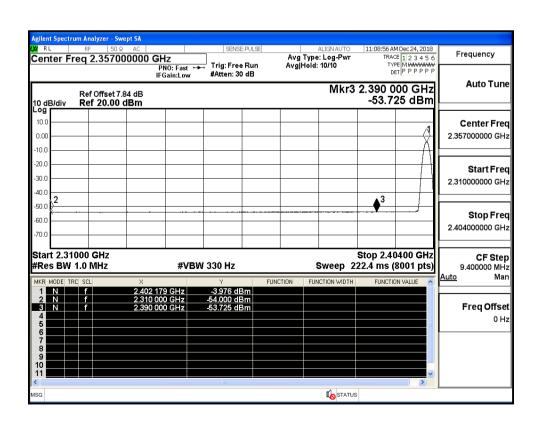
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



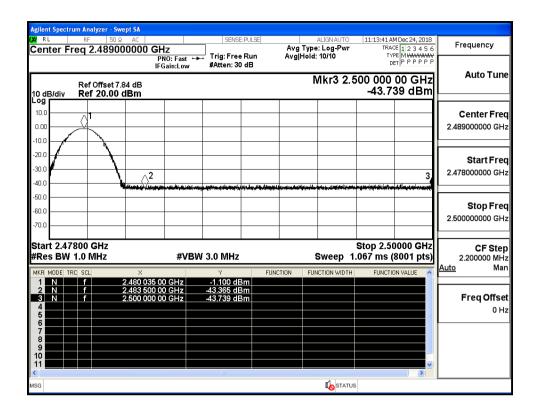
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



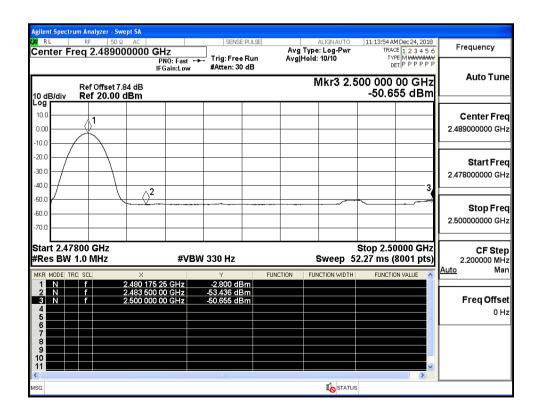
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



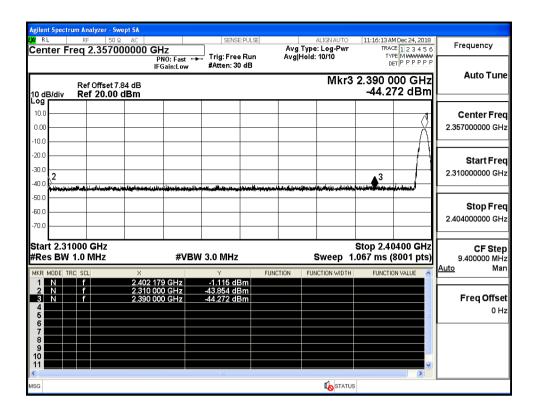
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



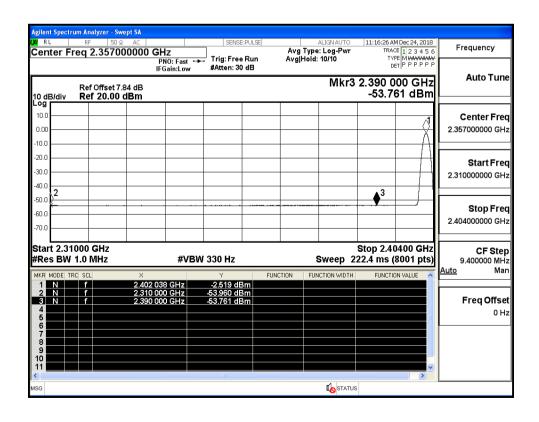
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)

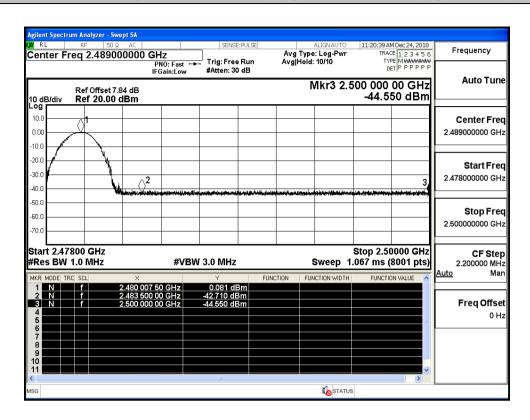


Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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





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

