Appendix A

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

Product Name: LTE GSM/WCDMA Smartphone

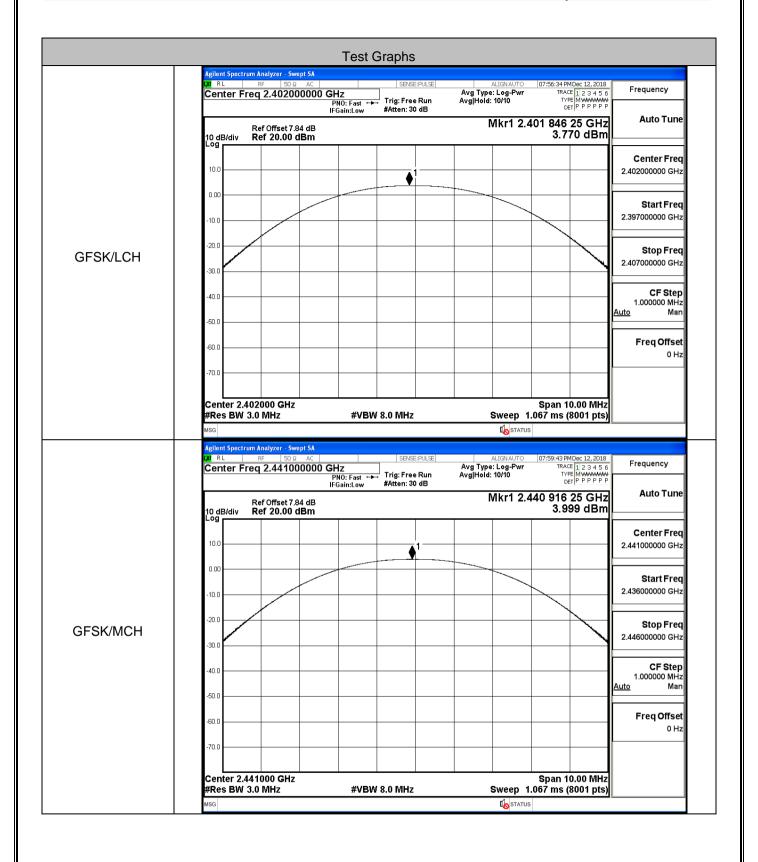
Trade Mark: DOOGEE Test Model: S80 Lite

Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden.Zhuo

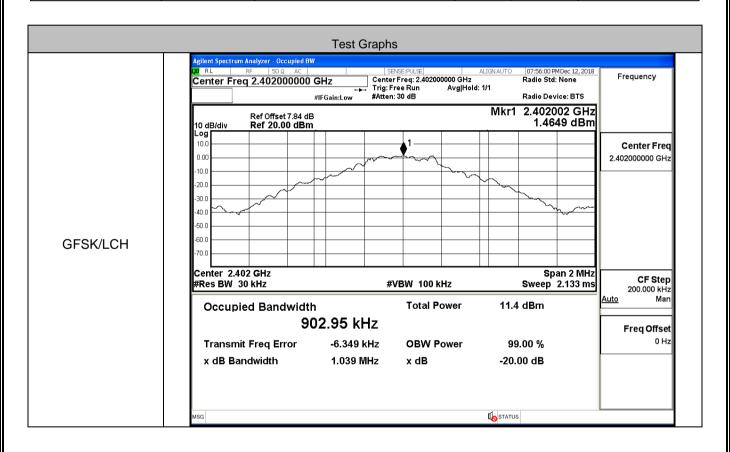
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Maximum Average Output Power [dBm]	Limit [dBm]	Verdict
	LCH	3.770	1.325	30	PASS
GFSK	MCH	3.999	1.256	30	PASS
	НСН	3.972	1.326	30	PASS
	LCH	3.097	1.248	21	PASS
π/4DQPSK	MCH	3.210	1.251	21	PASS
	HCH	3.186	1.032	21	PASS
8DPSK	LCH	3.258	1.256	21	PASS
	MCH	3.387	1.245	21	PASS
	НСН	3.319	1.148	21	PASS



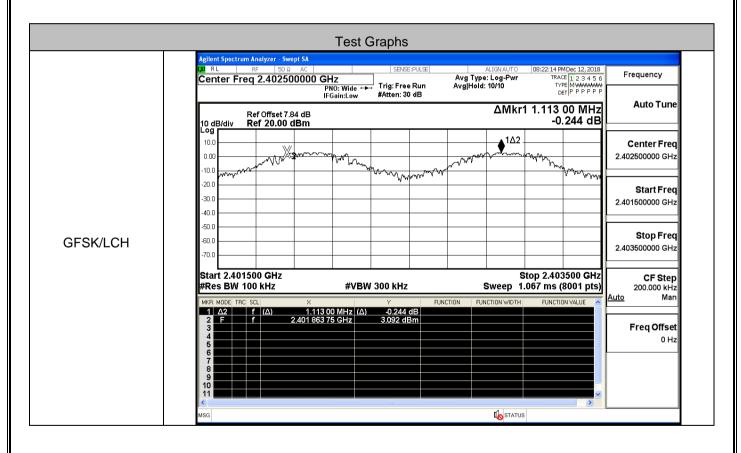
A.2 20dB Bandwidth

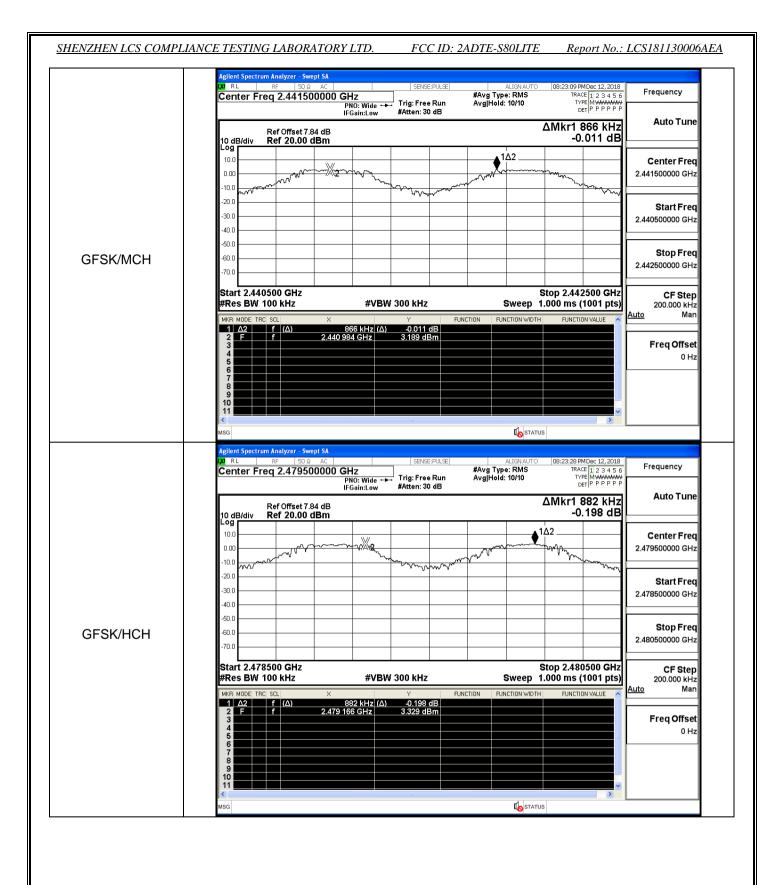
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.039	Not Specified	PASS
GFSK	MCH	1.036	Not Specified	PASS
	HCH	1.044	Not Specified	PASS
	LCH	1.291	Not Specified	PASS
π/4DQPSK	MCH	1.290	Not Specified	PASS
	НСН	1.291	Not Specified	PASS
	LCH	1.299	Not Specified	PASS
8DPSK	MCH	1.296	Not Specified	PASS
	НСН	1.295	Not Specified	PASS

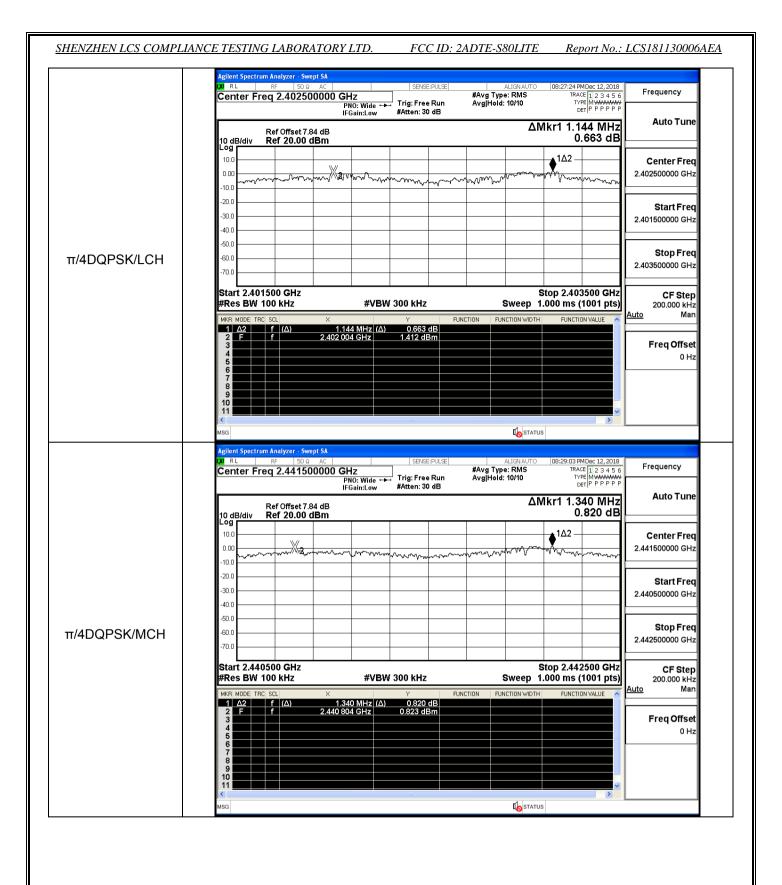


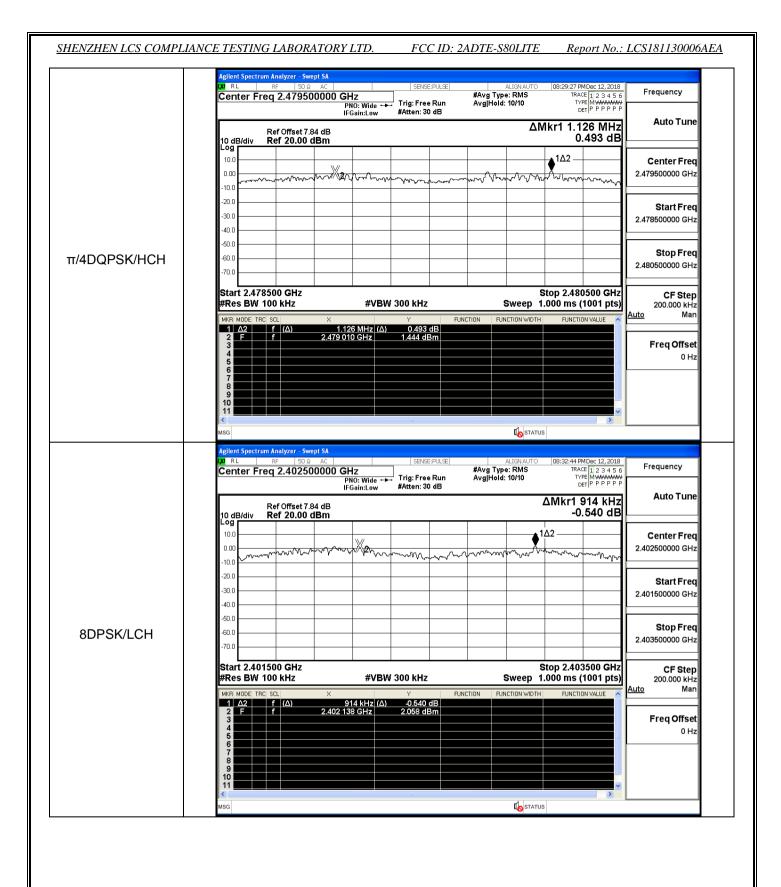
A.3 Carrier Frequency Separation

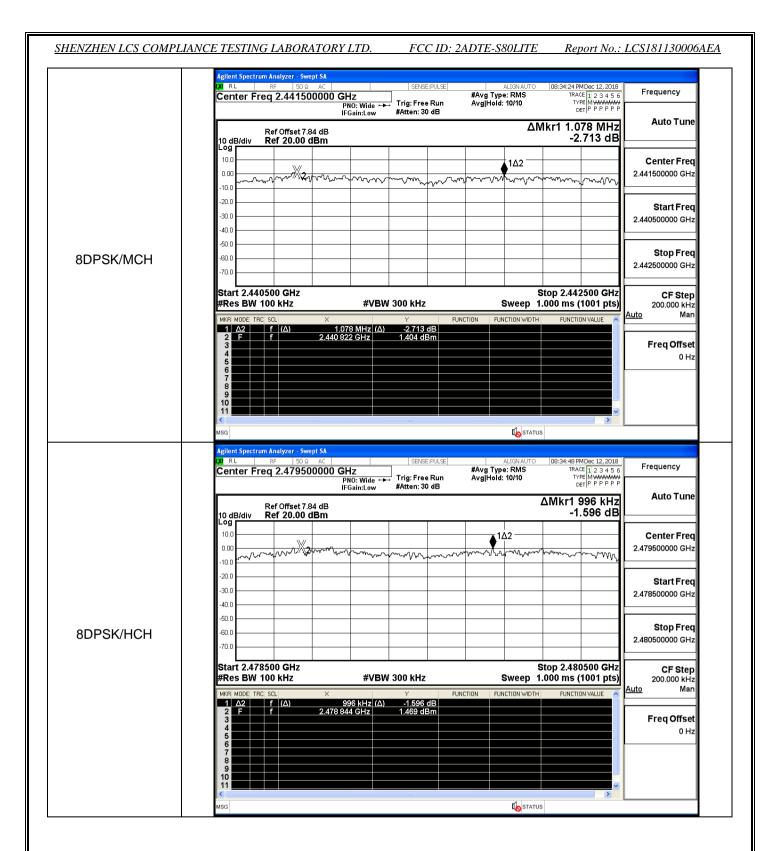
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.113	0.696	PASS
GFSK	MCH	0.866	0.696	PASS
	HCH	0.882	0.696	PASS
	LCH	1.144	0.861	PASS
π/4DQPSK	MCH	1.340	0.861	PASS
	HCH	1.126	0.861	PASS
	LCH	0.914	0.866	PASS
8DPSK	DPSK MCH 1.078		0.866	PASS
	HCH	0.996	0.866	PASS









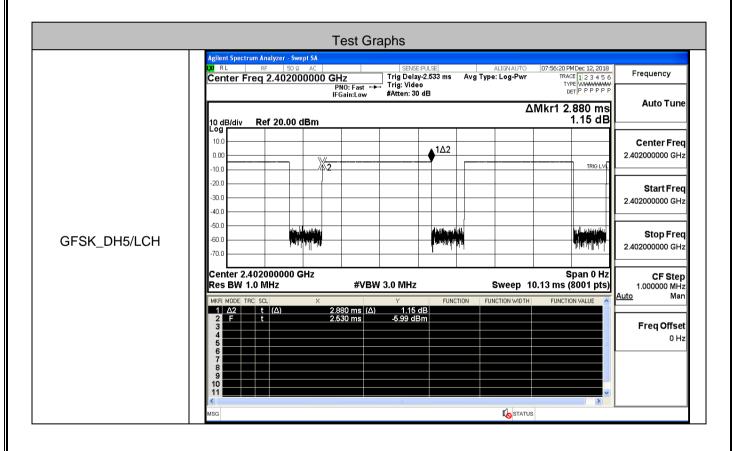


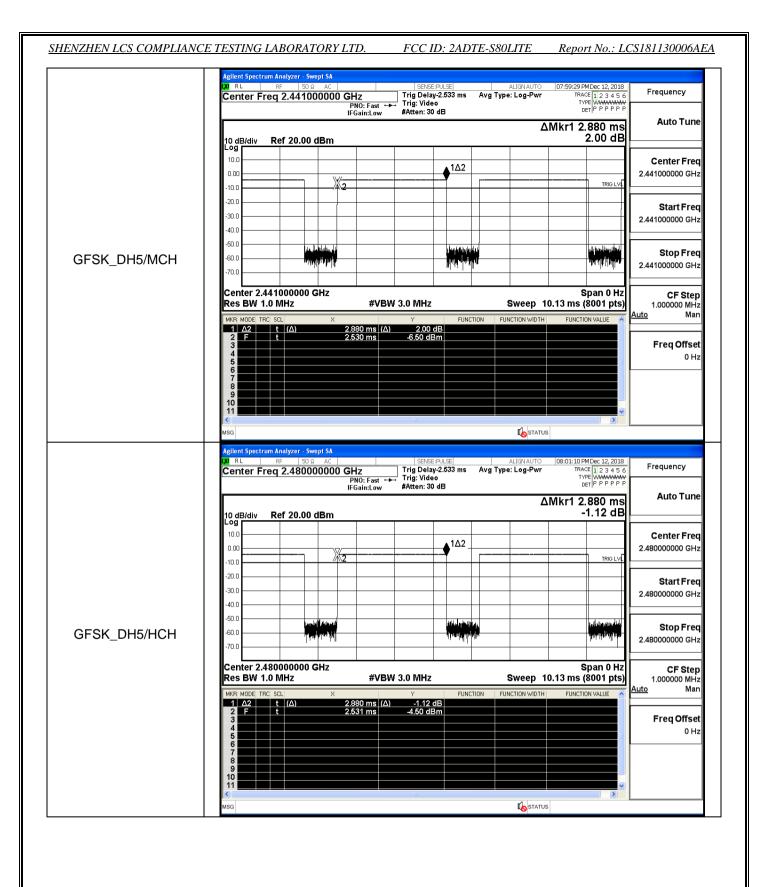
A.4 Hopping Channel Number

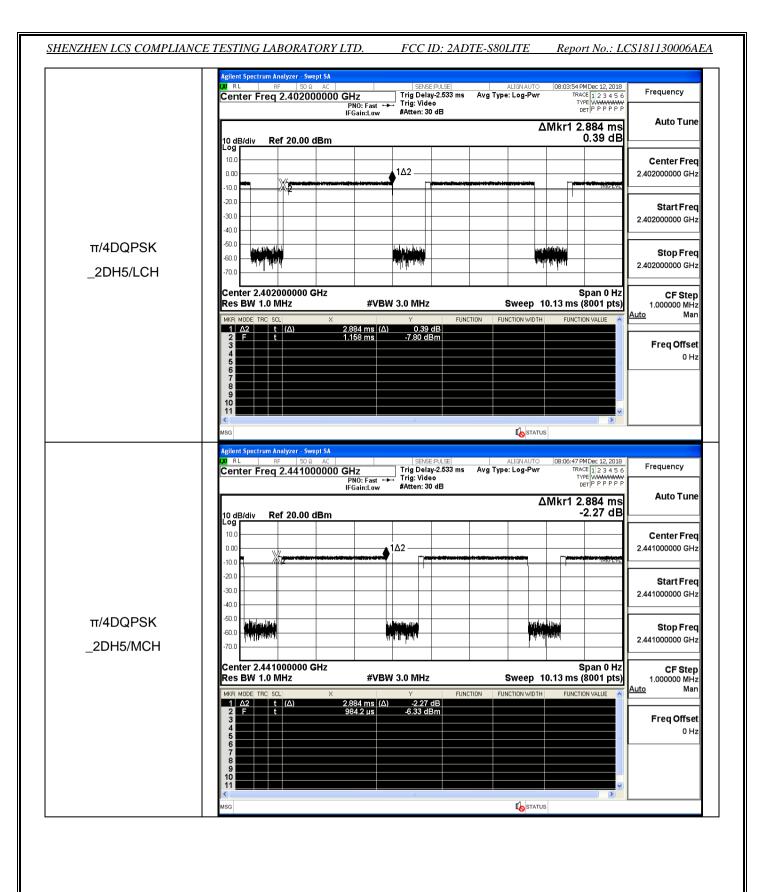
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

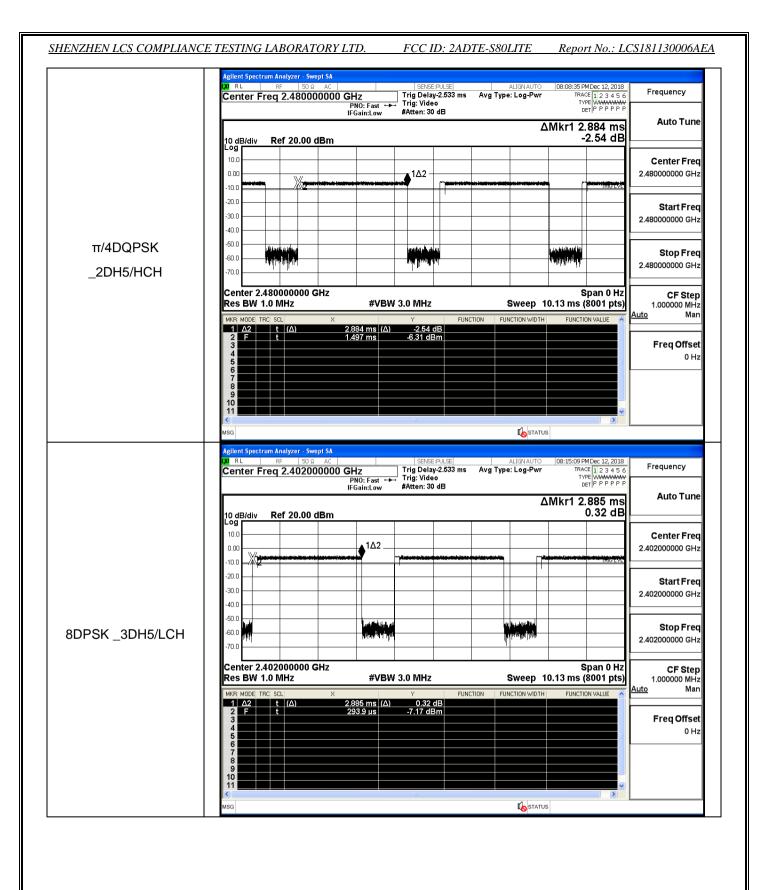
A.5 Dwell Time

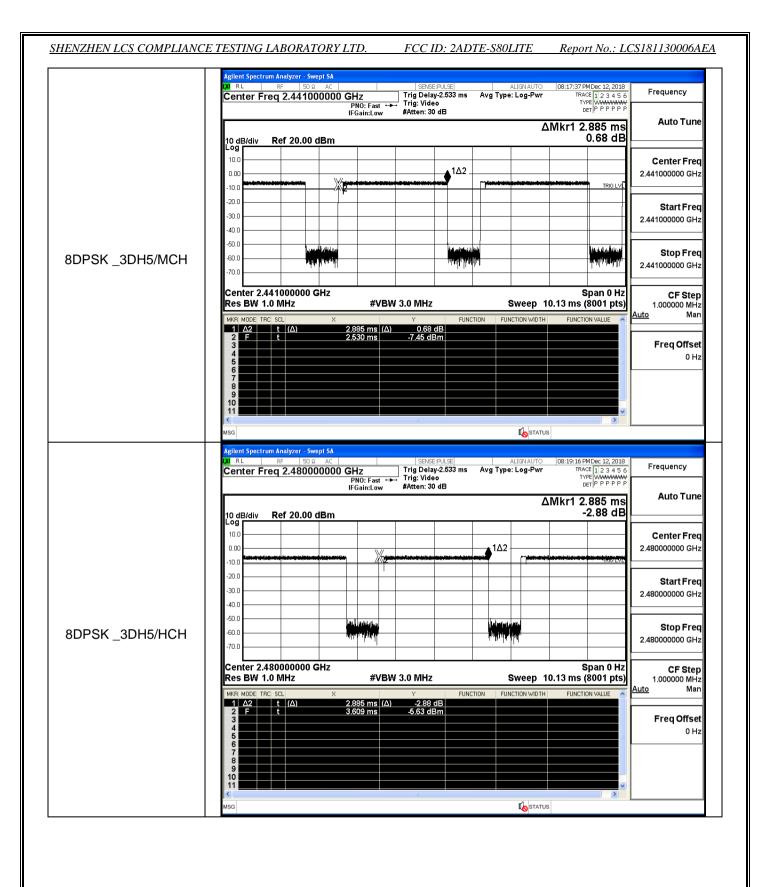
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





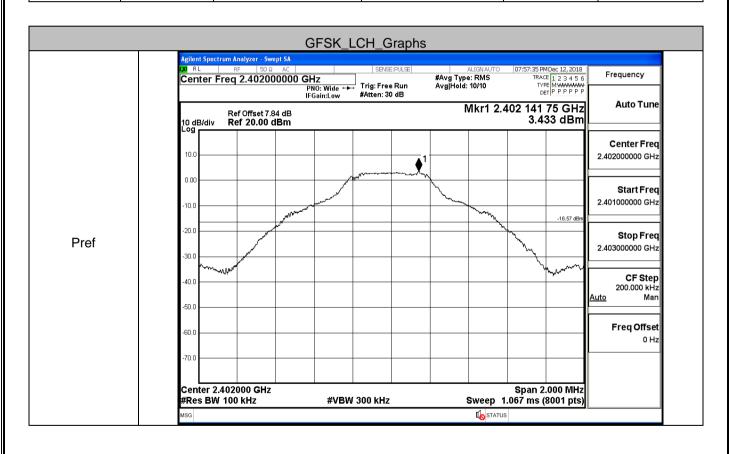


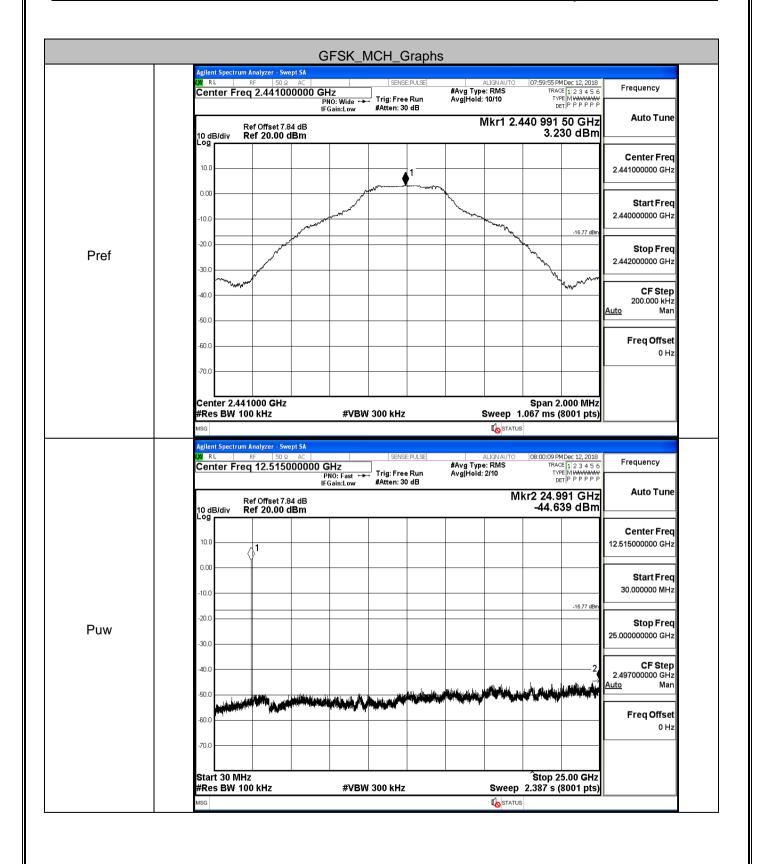


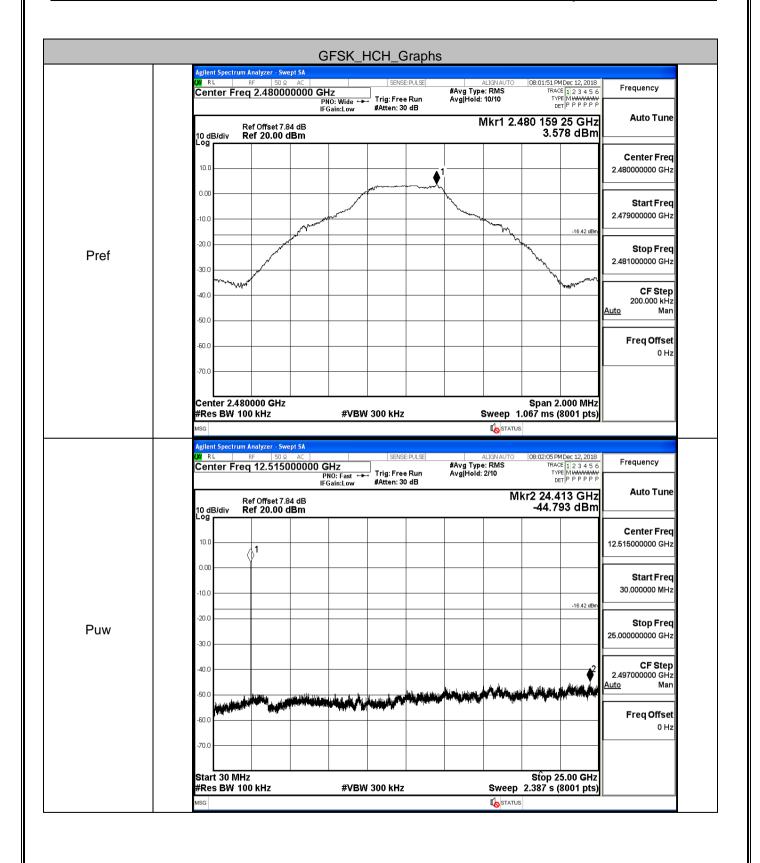


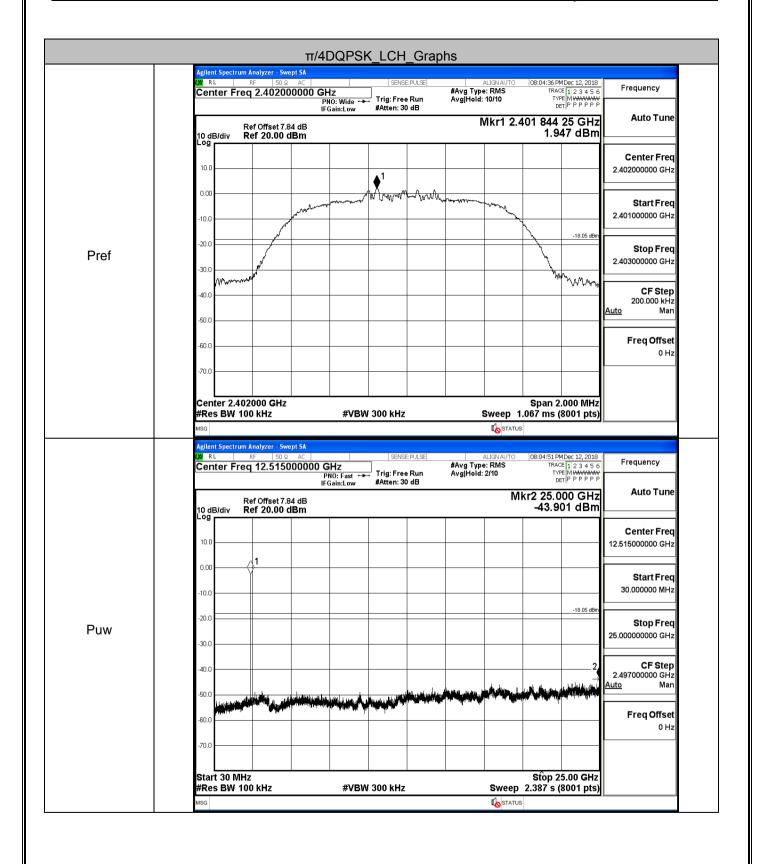
A.6 RF Conducted Spurious Emissions

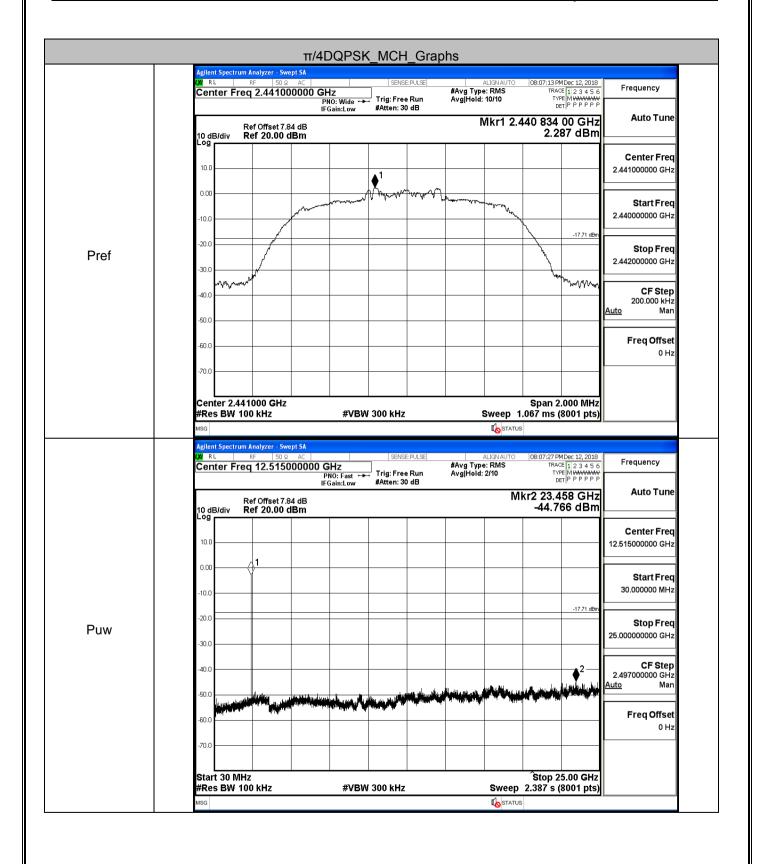
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	3.433	-45.403	-16.567	PASS
GFSK	MCH	3.23	-44.639	-16.770	PASS
	HCH	3.578	-44.793	-16.422	PASS
	LCH	1.947	-43.901	-18.053	PASS
π/4DQPSK	MCH	2.287	-44.766	-17.713	PASS
	НСН	2.044	-44.988	-17.956	PASS
	LCH	2.165	-44.823	-17.835	PASS
8DPSK	MCH	2.237	-44.693	-17.763	PASS
	HCH	2.242	-44.853	-17.758	PASS

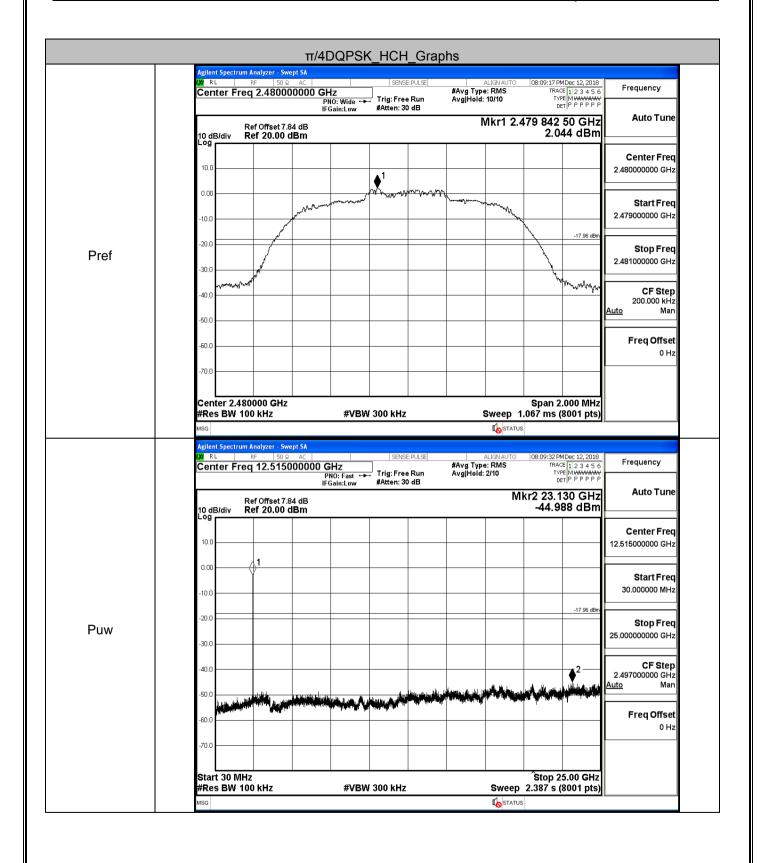


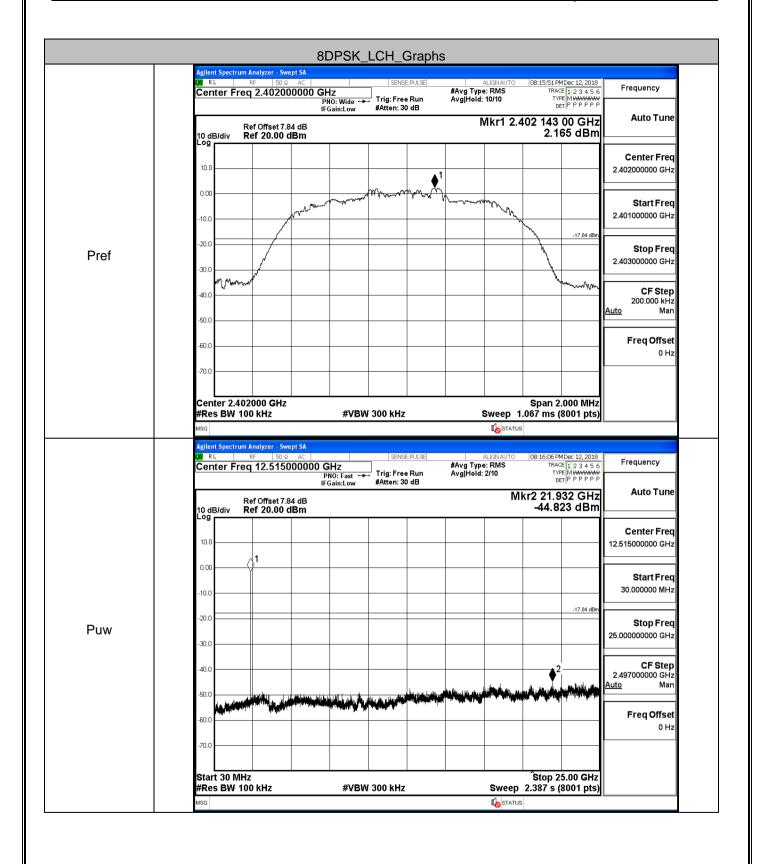


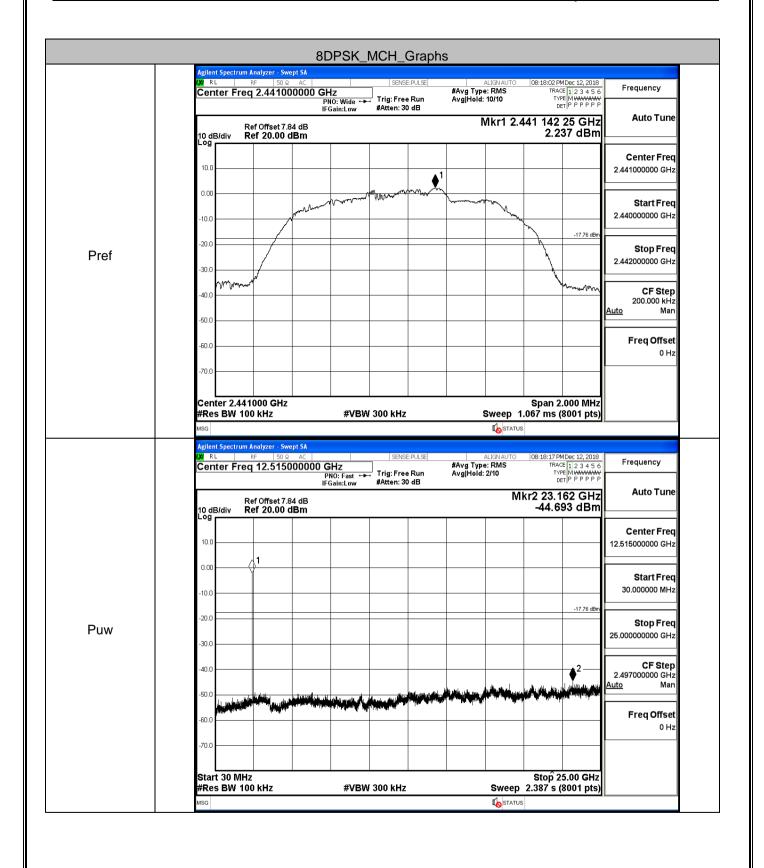


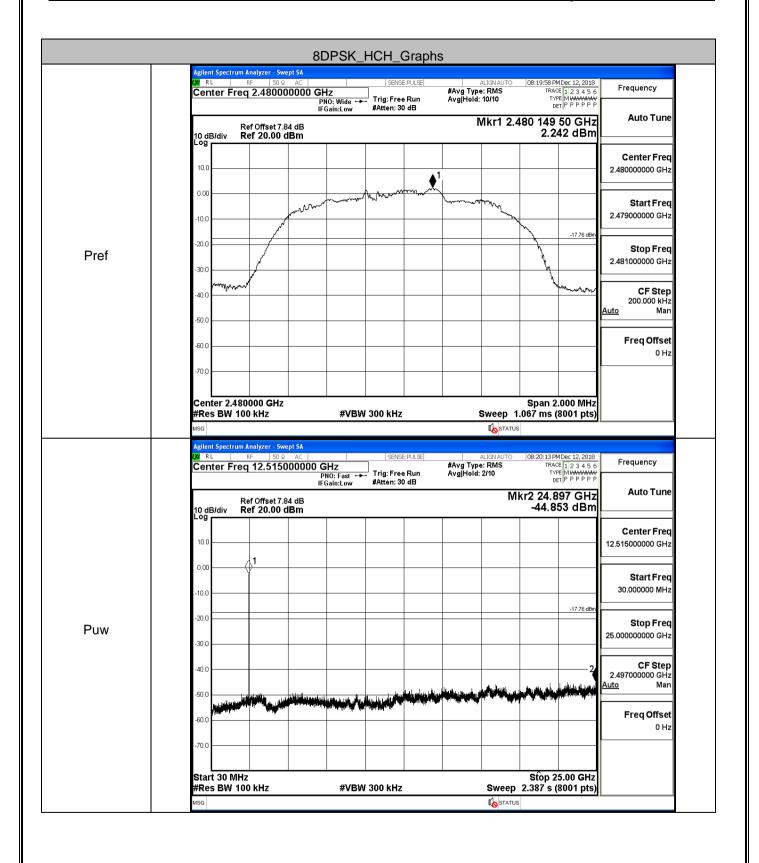






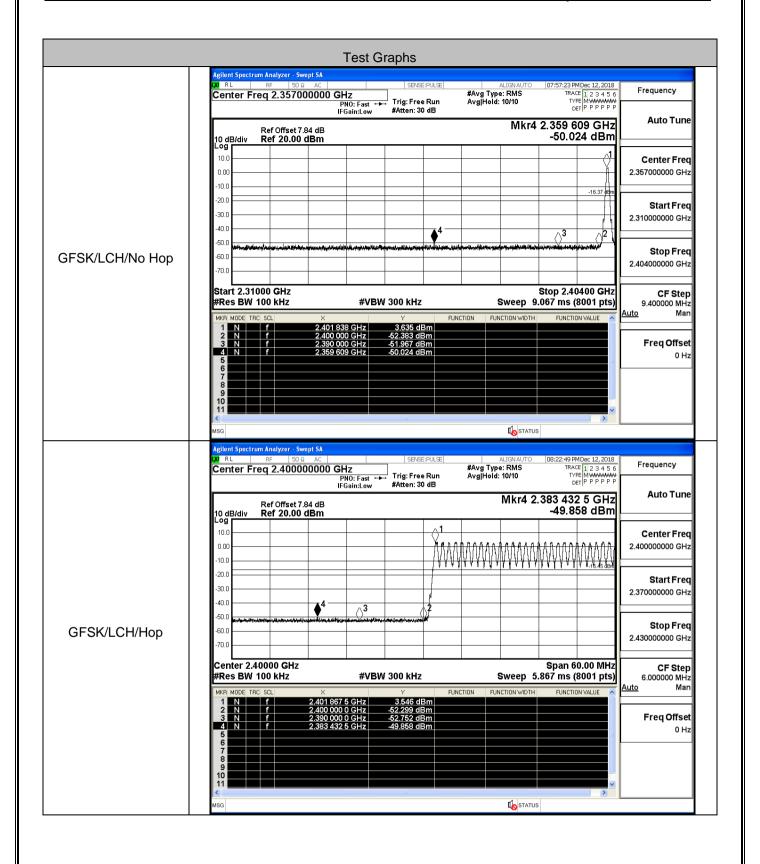


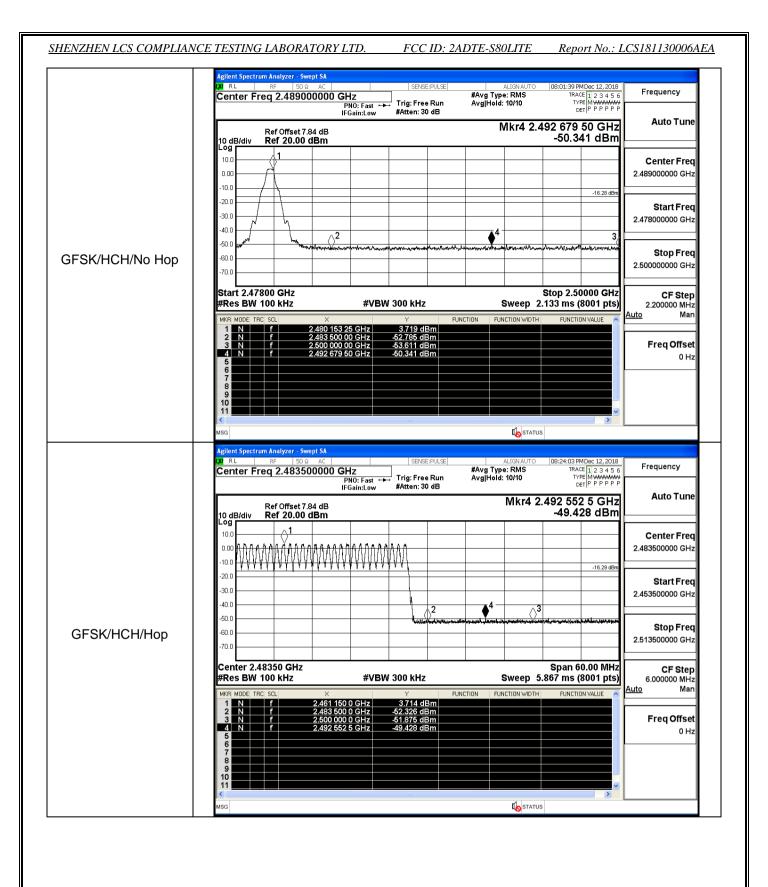


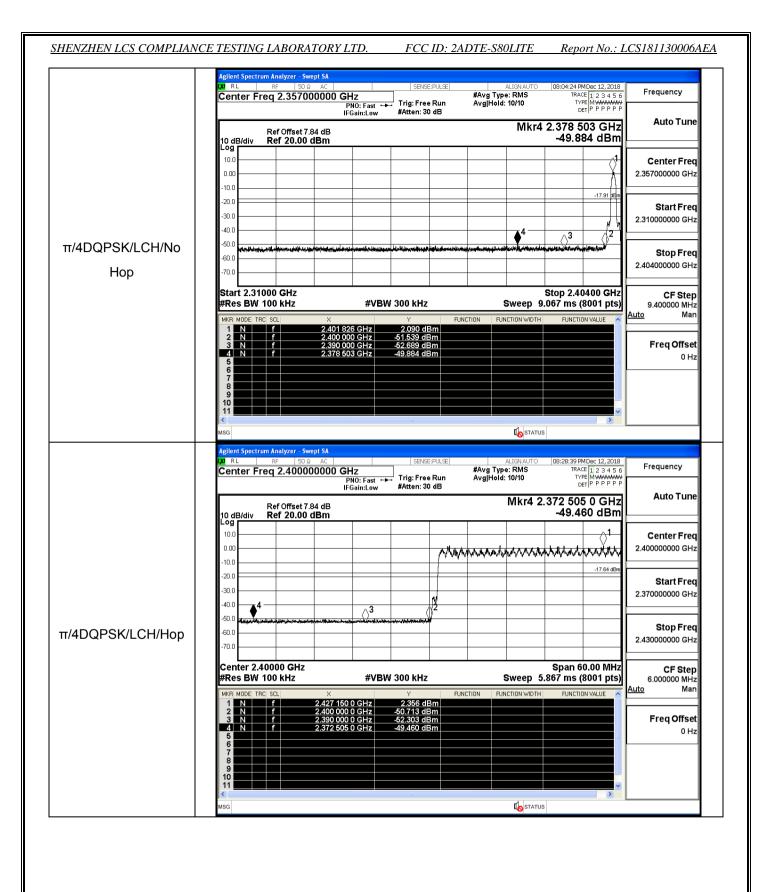


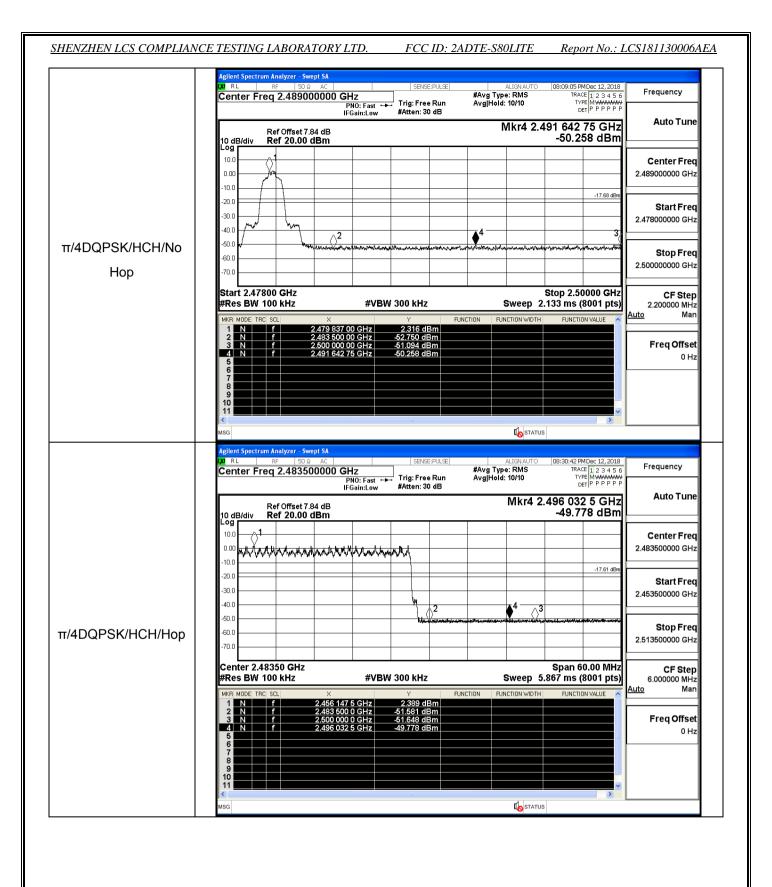
A.7 Band-edge for RF Conducted Emissions

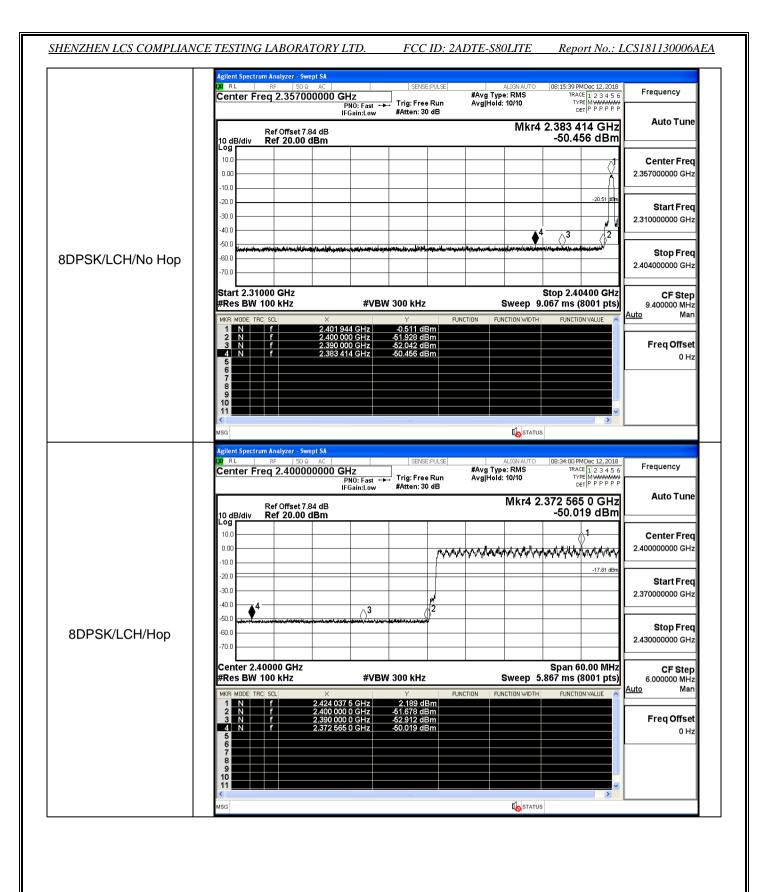
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict					
		0.400	3.635	Off	-50.024	-16.37	PASS					
2-21/	LCH	2402	3.546	On	-49.858	-16.45	PASS					
GFSK	НСН			3.719	Off	-50.341	-16.28	PASS				
		2480	3.714	On	-49.428	-16.29	PASS					
	LCH							2.090	Off	-49.884	-17.91	PASS
		2402	2.356	On	-49.460	-17.64	PASS					
π/4DQPSK	НСН		2.316	Off	-50.258	-17.68	PASS					
		2480	2.389	On	-49.778	-17.61	PASS					
			-0.511	Off	-50.456	-20.51	PASS					
	LCH	2402	2.189	On	-50.019	-17.81	PASS					
8DPSK			2.251	Off	-49.943	-17.75	PASS					
	HCH	2480	2.157	On	-49.719	-17.84	PASS					

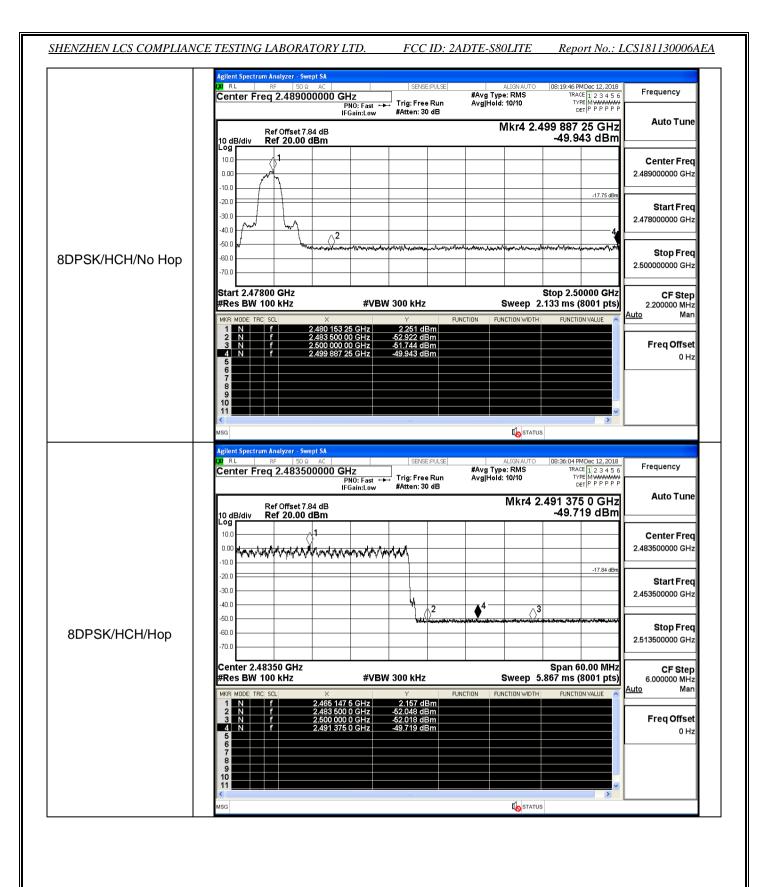






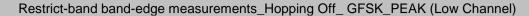


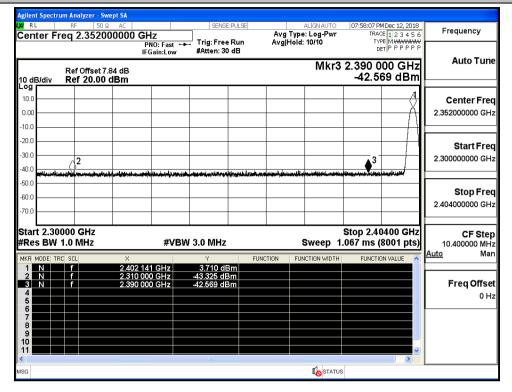




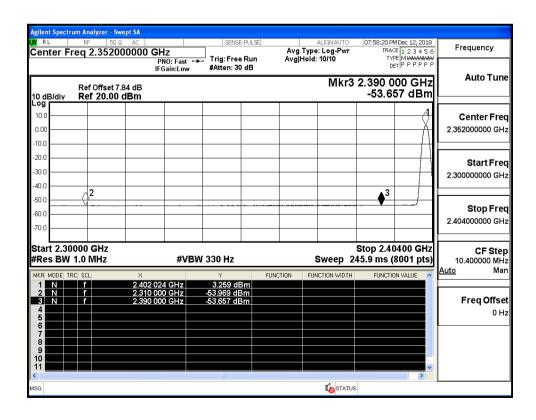
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdic t
	Off	2310.0	-43.33	0.0	0	51.90	PEAK	74	PASS
	Off	2310.0	-53.97	0.0	0	41.26	AV	54	PASS
	Off	2390.0	-42.57	0.0	0	52.66	PEAK	74	PASS
GFSK	Off	2390.0	-53.66	0.0	0	41.57	AV	54	PASS
GFSK	Off	2483.5	-42.90	0.0	0	52.33	PEAK	74	PASS
	Off	2483.5	-53.06	0.0	0	42.17	AV	54	PASS
	Off	2500.0	-44.50	0.0	0	50.73	PEAK	74	PASS
	Off	2500.0	-53.40	0.0	0	41.83	AV	54	PASS
	Off	2310.0	-42.87	0.0	0	52.36	PEAK	74	PASS
	Off	2310.0	-54.07	0.0	0	41.16	AV	54	PASS
	Off	2390.0	-43.99	0.0	0	51.24	PEAK	74	PASS
π/4DQPSK	Off	2390.0	-53.72	0.0	0	41.51	AV	54	PASS
II/4DQF3K	Off	2483.5	-43.45	0.0	0	51.78	PEAK	74	PASS
	Off	2483.5	-53.28	0.0	0	41.95	AV	54	PASS
	Off	2500.0	-42.96	0.0	0	52.27	PEAK	74	PASS
	Off	2500.0	-53.26	0.0	0	41.97	AV	54	PASS
	Off	2310.0	-43.69	0.0	0	51.54	PEAK	74	PASS
	Off	2310.0	-53.98	0.0	0	41.25	AV	54	PASS
	Off	2390.0	-43.59	0.0	0	51.64	PEAK	74	PASS
ODDOK	Off	2390.0	-53.62	0.0	0	41.61	AV	54	PASS
8DPSK	Off	2483.5	-42.98	0.0	0	52.25	PEAK	74	PASS
	Off	2483.5	-53.27	0.0	0	41.96	AV	54	PASS
	Off	2500.0	-43.30	0.0	0	51.93	PEAK	74	PASS
	Off	2500.0	-53.32	0.0	0	41.91	AV	54	PASS

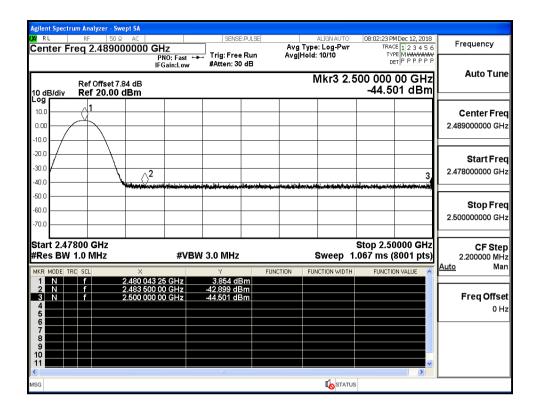




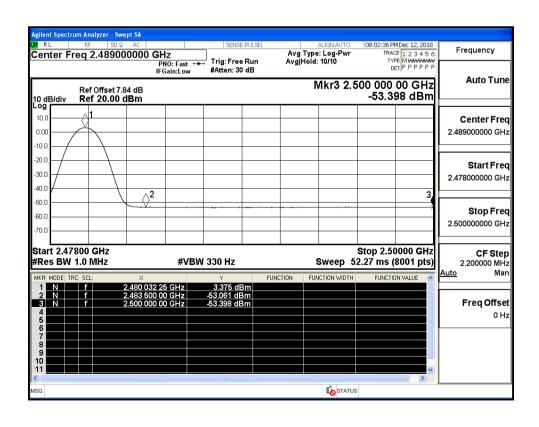
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



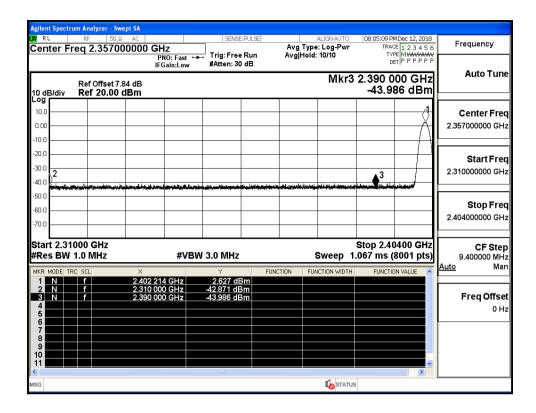
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



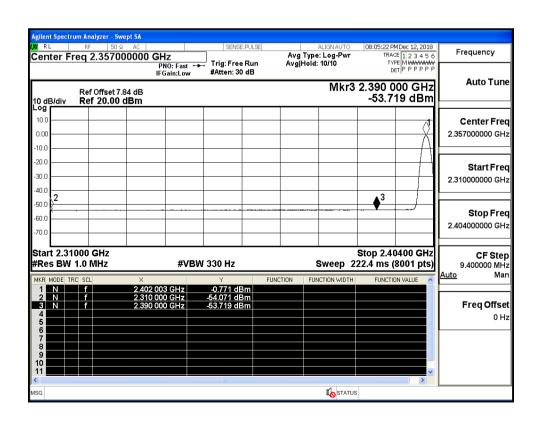
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



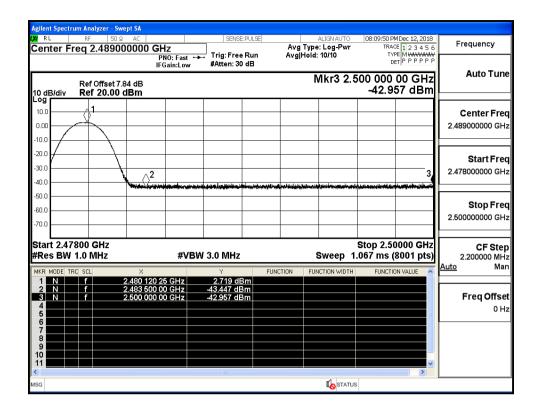
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



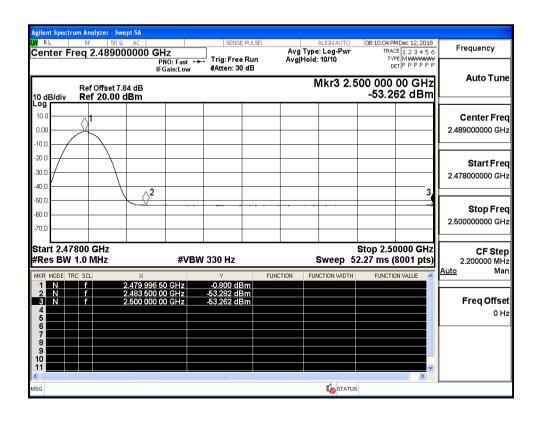
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



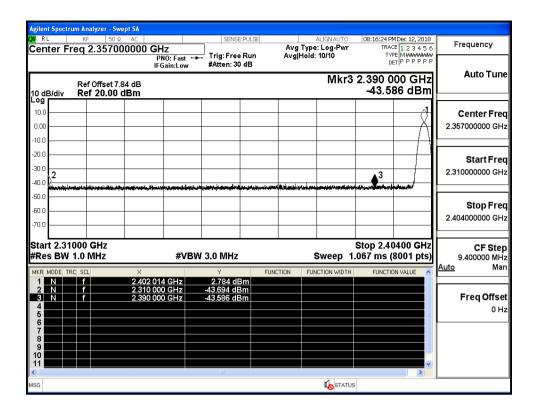
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



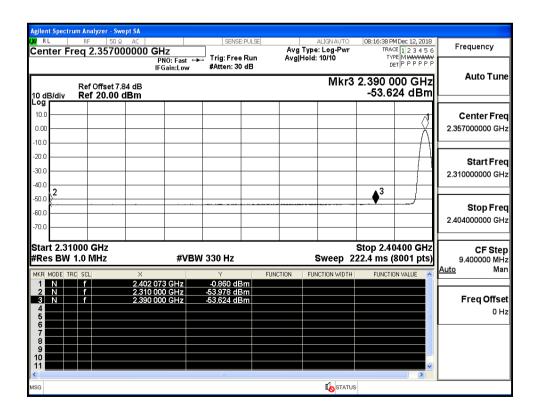
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



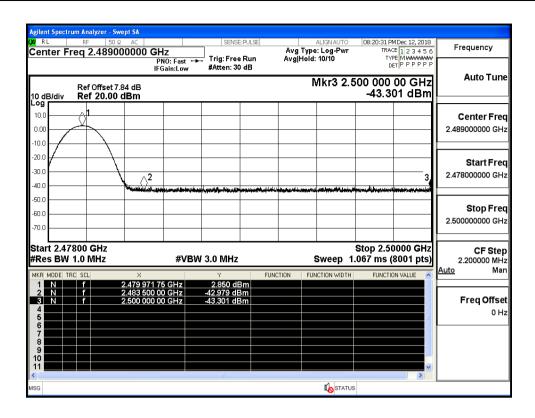
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

