Appendix A

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

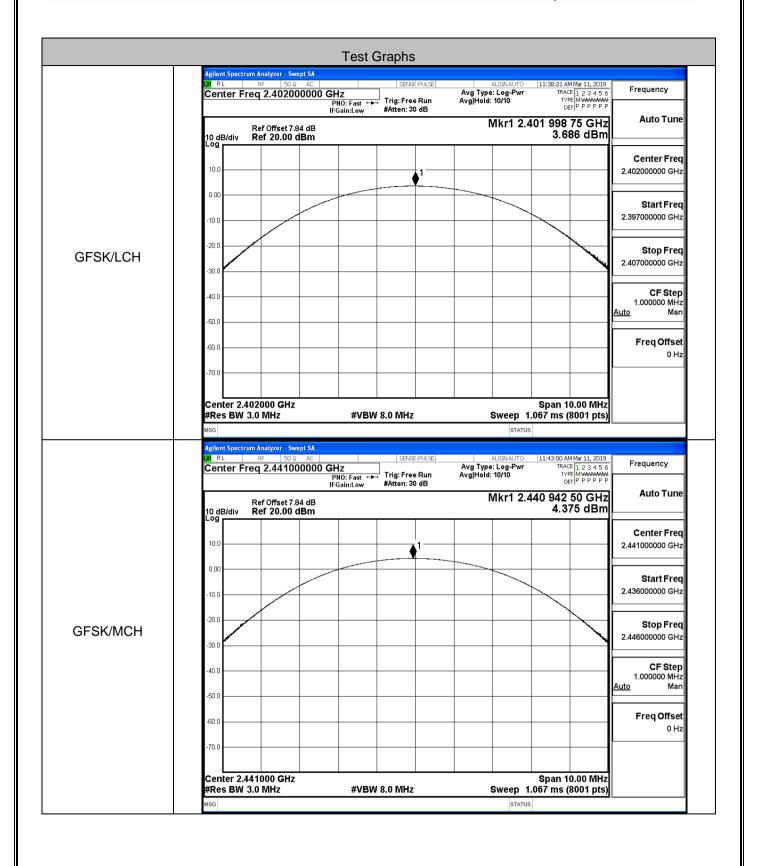
Product Name: MJ-80 Trade Mark: N/A Test Model: MJ-80B

Environmental Conditions

Temperature:	23.2 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Tom Liu

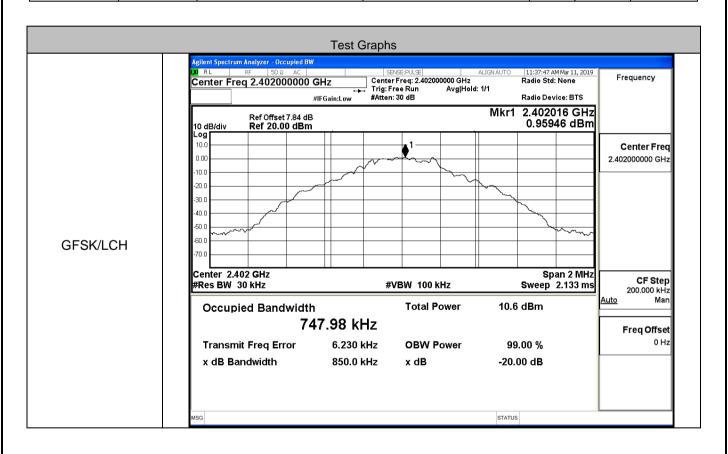
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	3.686	21	PASS
GFSK	MCH	4.375	21	PASS
	НСН	4.097	21	PASS
	LCH	2.639	21	PASS
π/4DQPSK	MCH	3.615	21	PASS
	НСН	3.671	21	PASS
	LCH	2.625	21	PASS
8DPSK	MCH	3.998	21	PASS
	HCH	3.936	21	PASS



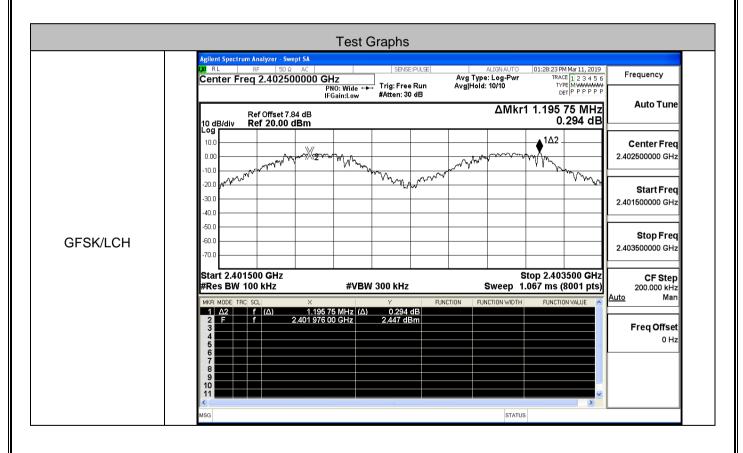
A.2 99% and 20dB Bandwidth

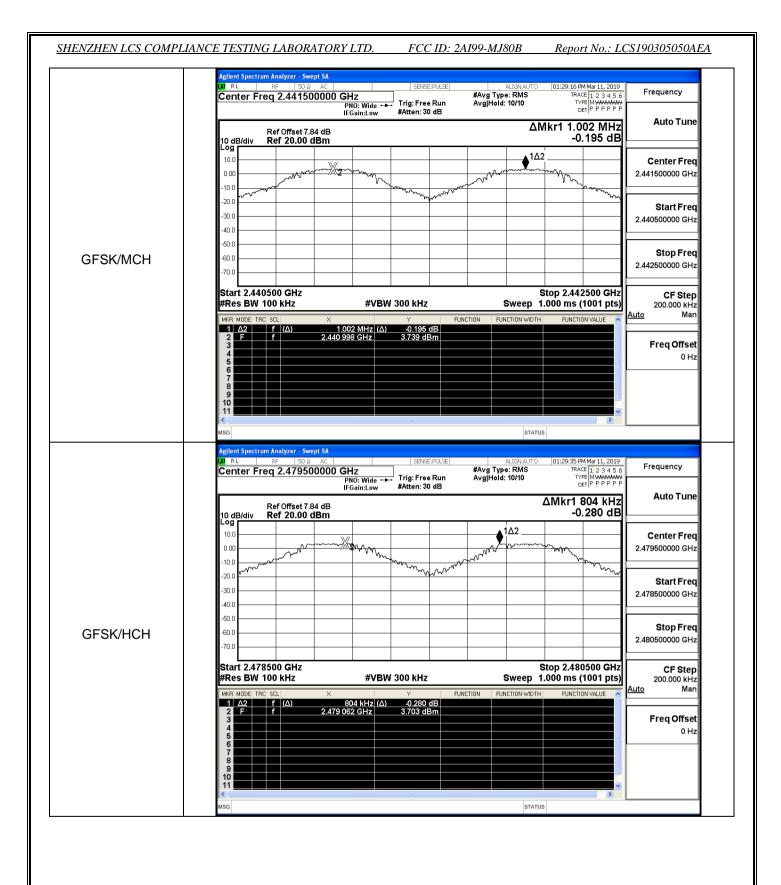
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.74798	0.8500	Not Specified	PASS
GFSK	MCH	0.74949	0.8498	Not Specified	PASS
	HCH	0.75335	0.8498	Not Specified	PASS
	LCH	1.1438	1.269	Not Specified	PASS
π/4DQPSK	MCH	1.1466	1.268	Not Specified	PASS
	HCH	1.483	1.271	Not Specified	PASS
	LCH	1.1527	1.271	Not Specified	PASS
8DPSK	PSK MCH 1.1514		1.269	Not Specified	PASS
	HCH	1.1586	1.276	Not Specified	PASS

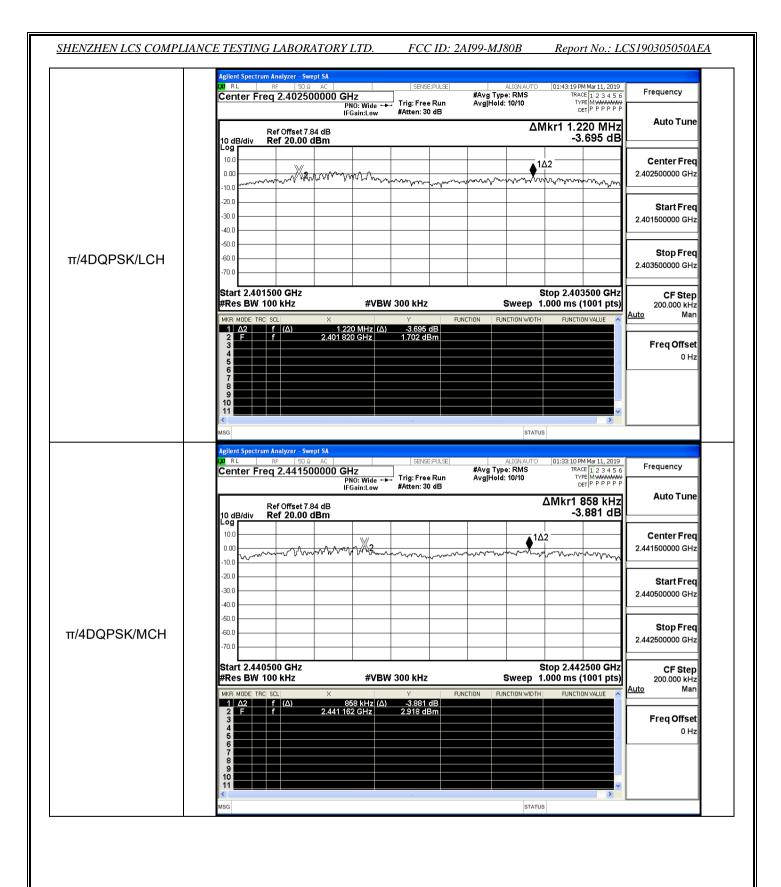


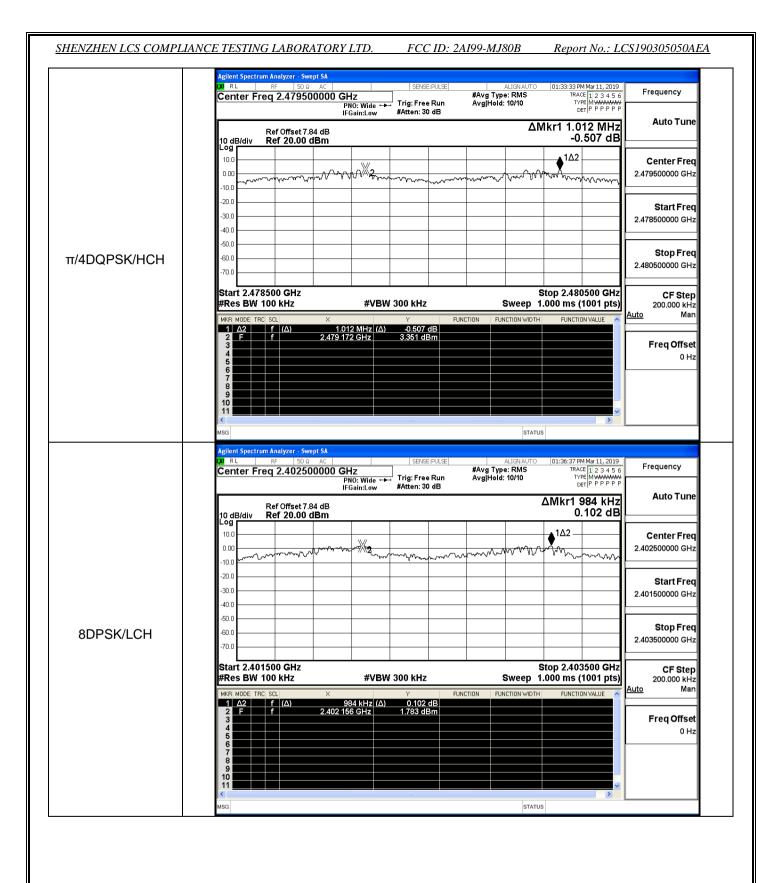
A.3 Carrier Frequency Separation

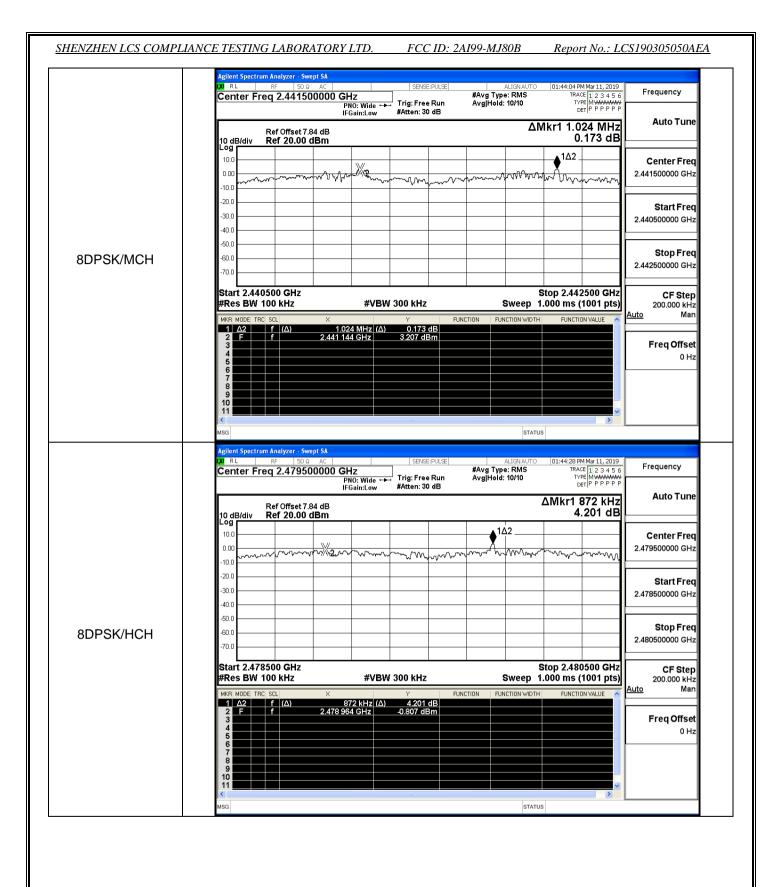
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.196	0.567	PASS
GFSK	MCH	1.002	0.567	PASS
	HCH	0.804	0.567	PASS
	LCH	1.220	0.847	PASS
π/4DQPSK	MCH	0.858	0.847	PASS
	HCH	1.012	0.847	PASS
	LCH	0.984	0.851	PASS
8DPSK	MCH	1.024	0.851	PASS
	HCH	0.872	0.851	PASS





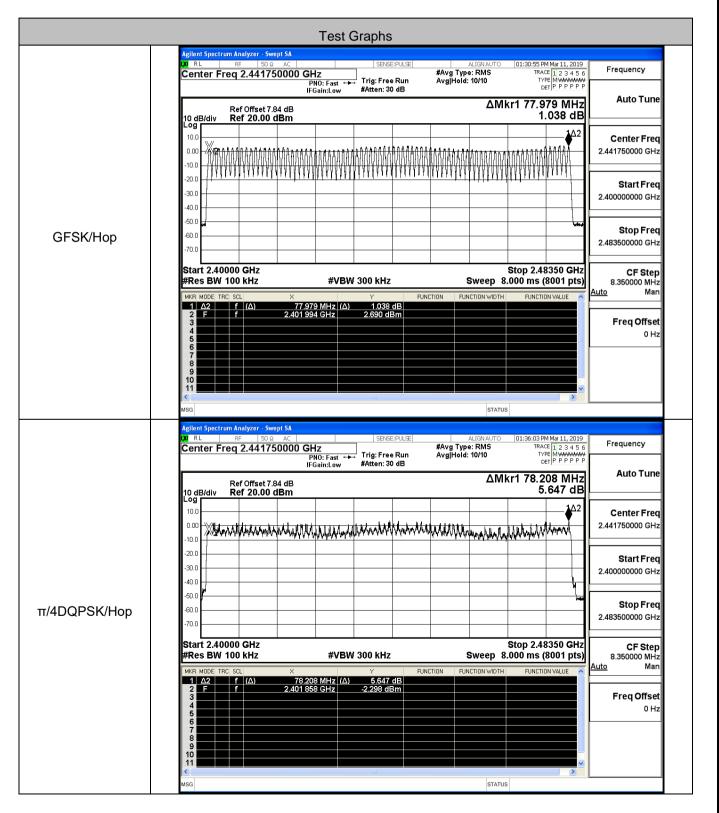






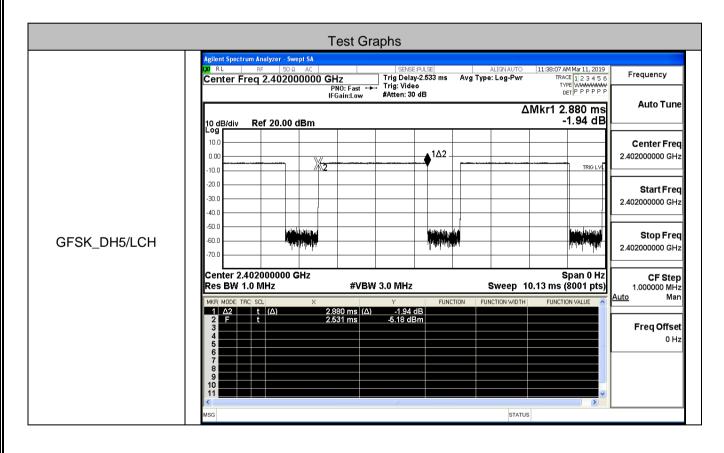
A.4 Hopping Channel Number

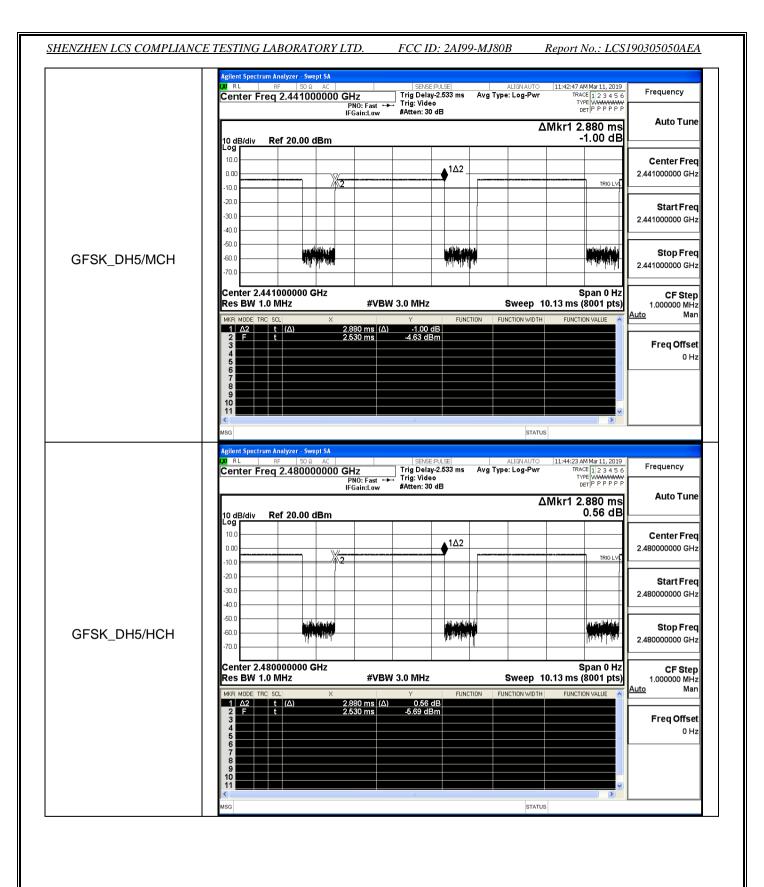
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

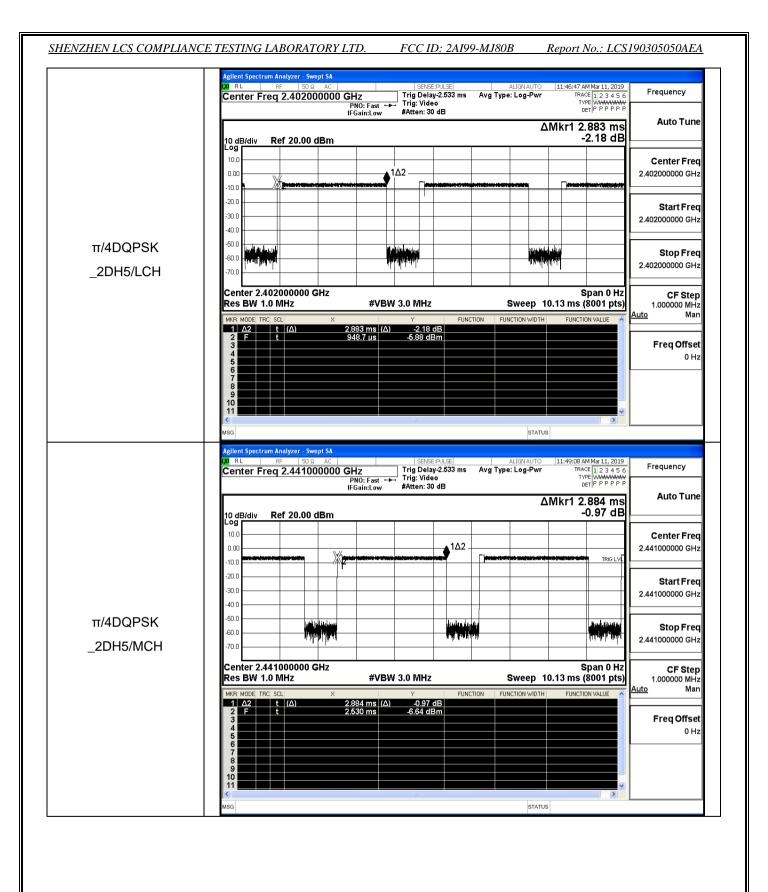


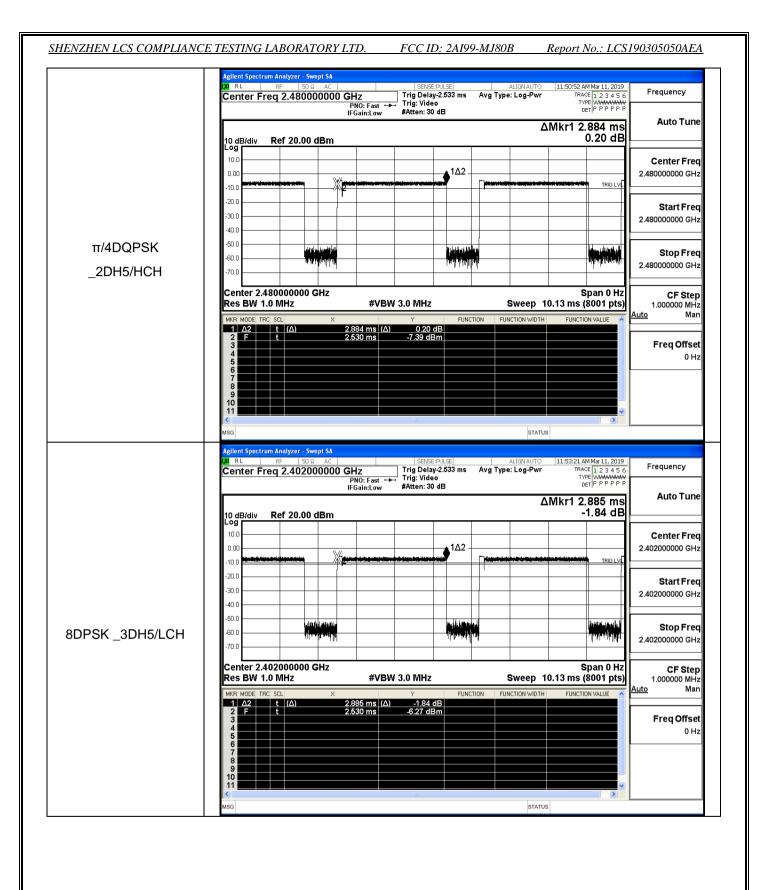
A.5 Dwell Time

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	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
8DPSK	3DH5	LCH	2.89	106.7	0.308	0.4	PASS
	3DH5	MCH	2.89	106.7	0.308	0.4	PASS
	3DH5	НСН	2.89	106.7	0.308	0.4	PASS



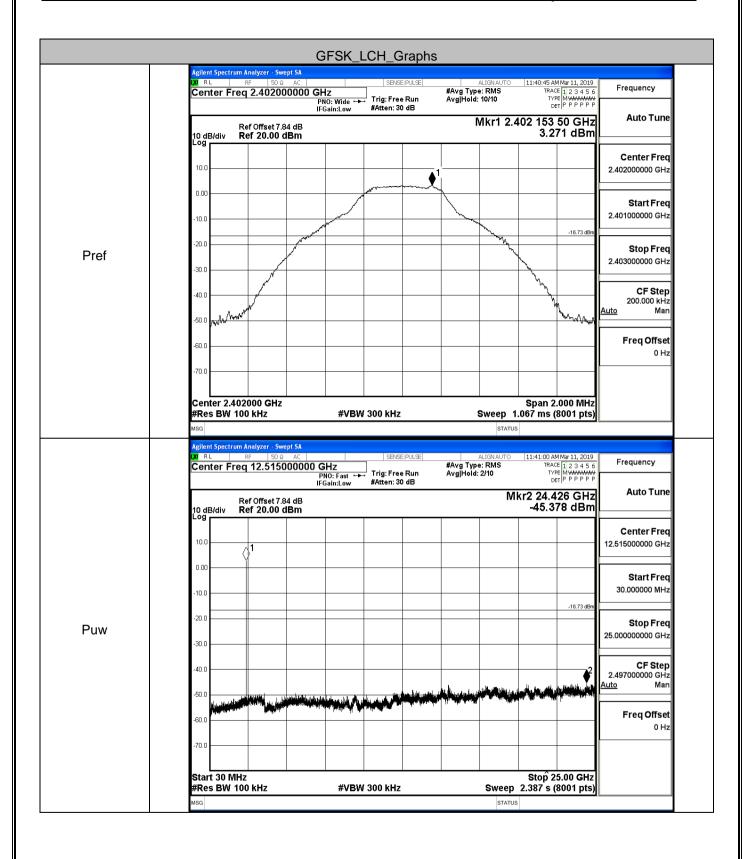


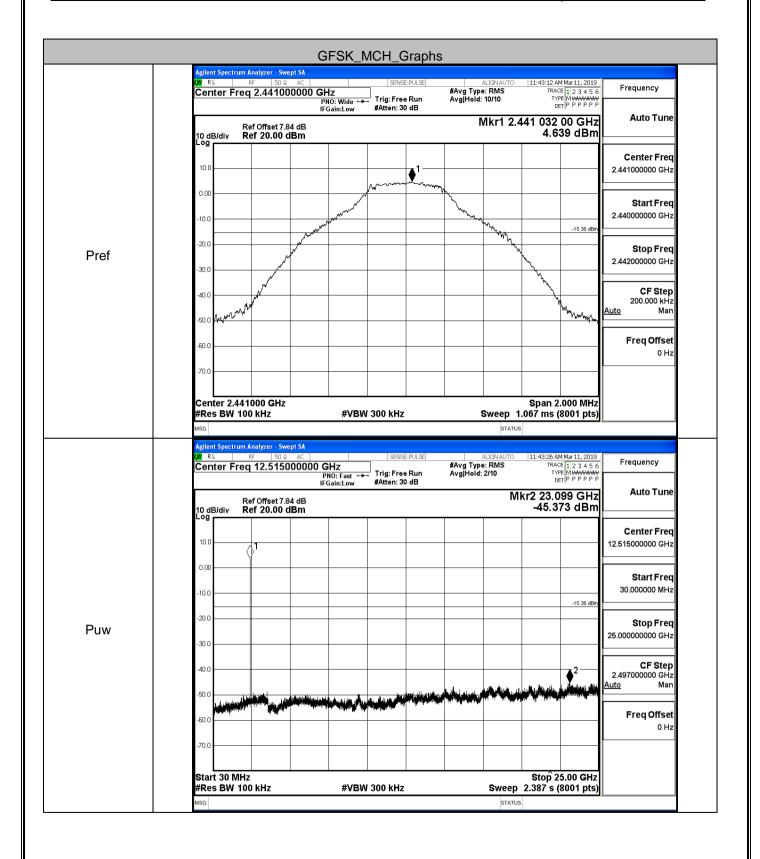


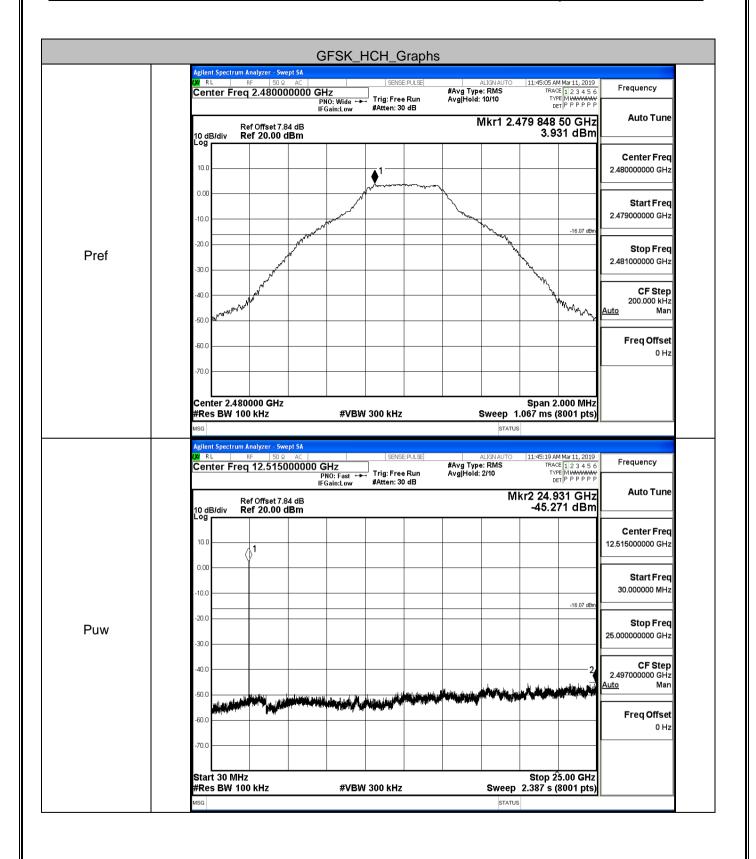


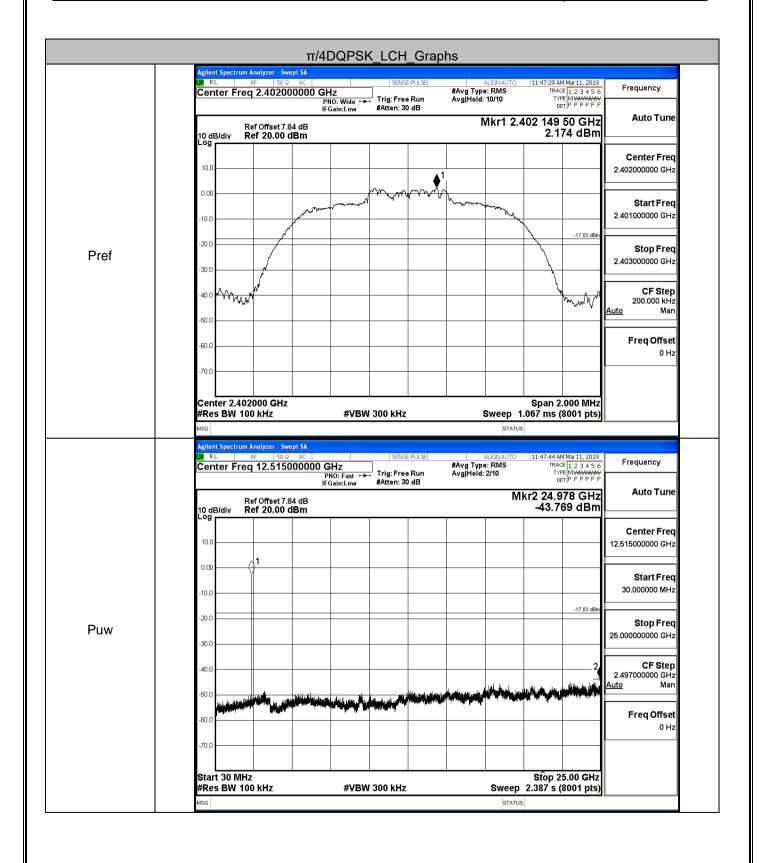
A.6 RF Conducted Spurious Emissions

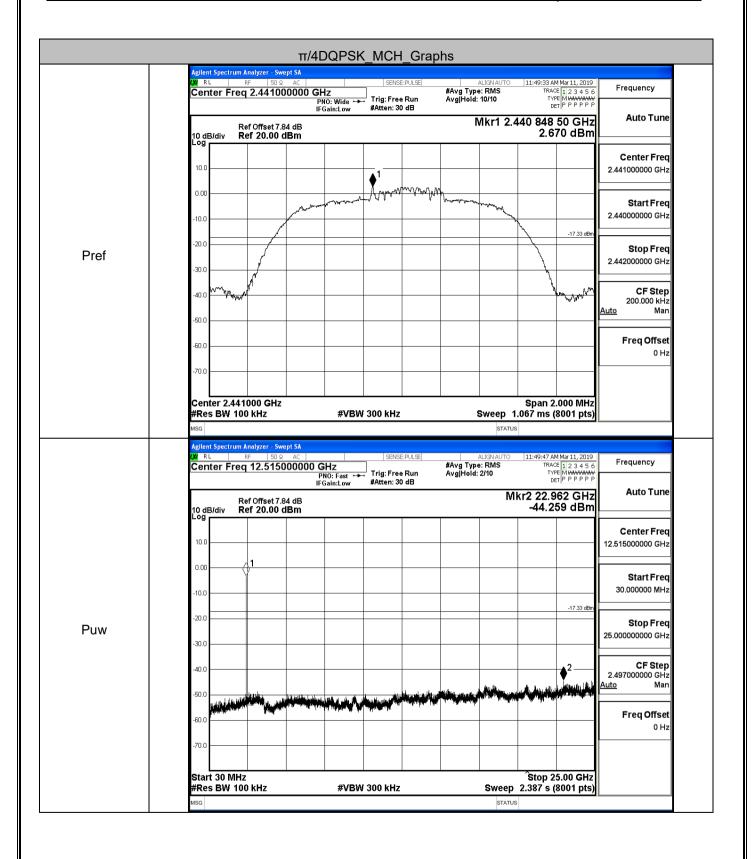
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	3.271	-45.378	-16.729	PASS
GFSK	MCH	4.639	-45.373	-15.361	PASS
	HCH	3.931	-45.271	-16.069	PASS
	LCH	2.174	-43.769	-17.826	PASS
π/4DQPSK	MCH	2.67	-44.259	-17.330	PASS
	HCH	2.966	-44.822	-17.034	PASS
	LCH	3.116	-44.783	-16.884	PASS
8DPSK	MCH	3.643	-44.737	-16.357	PASS
	НСН	3.644	-44.838	-16.356	PASS

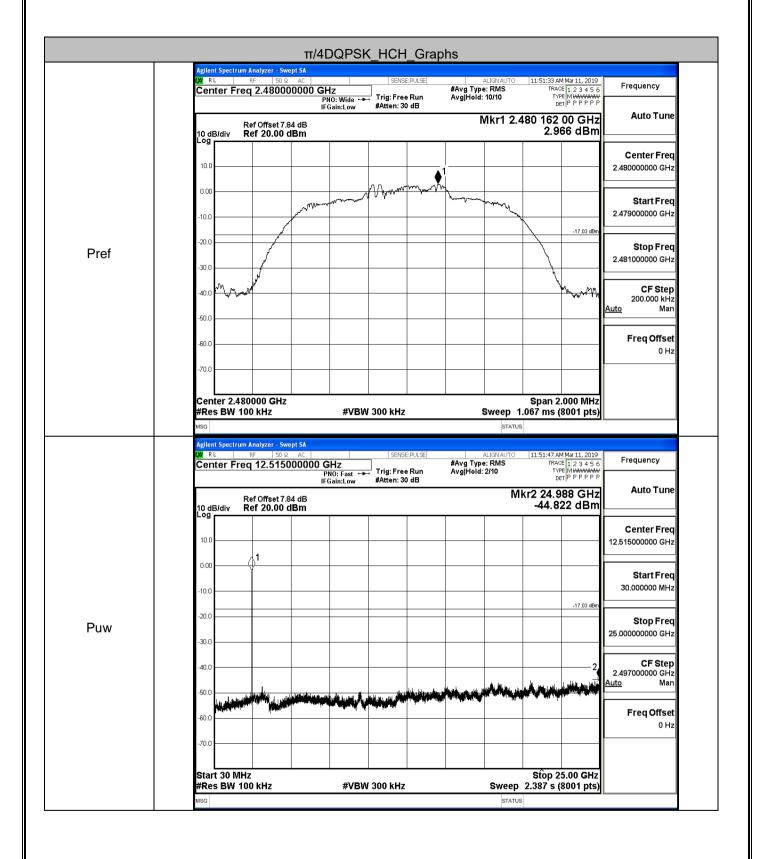


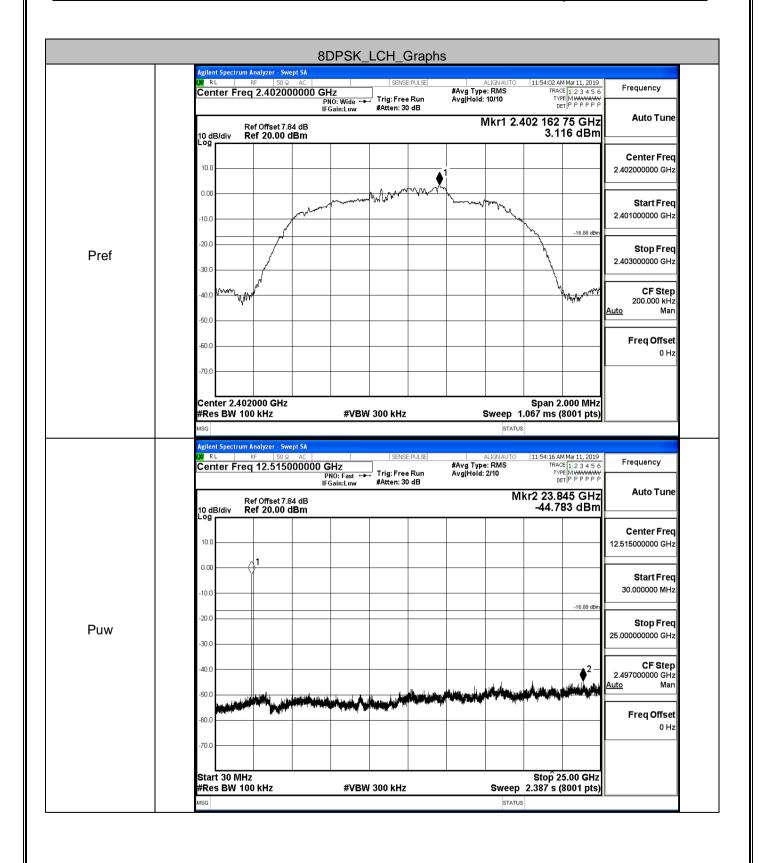


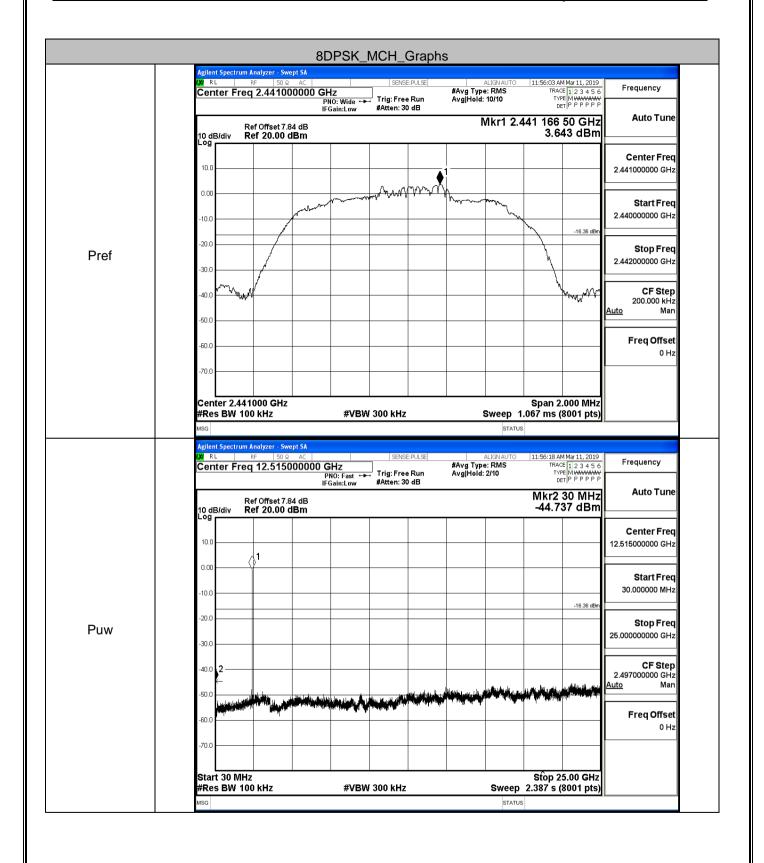








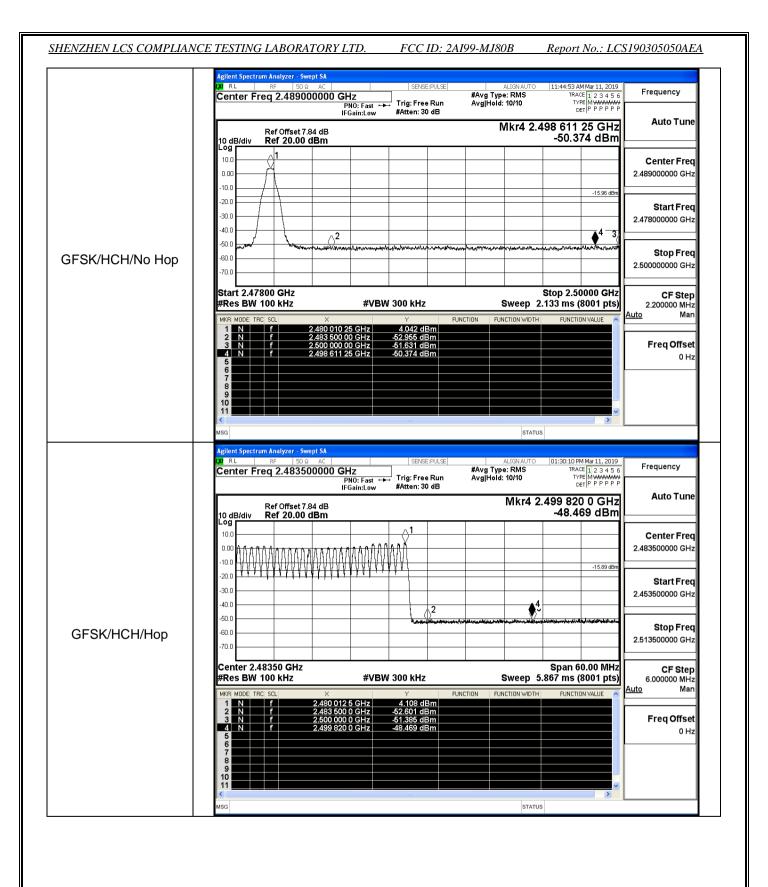


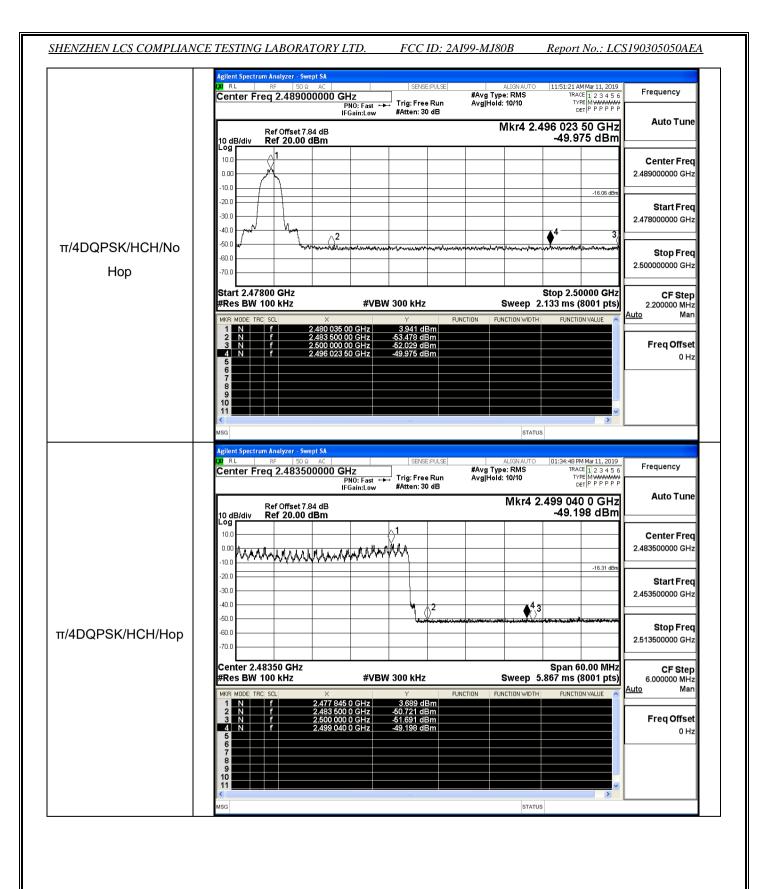


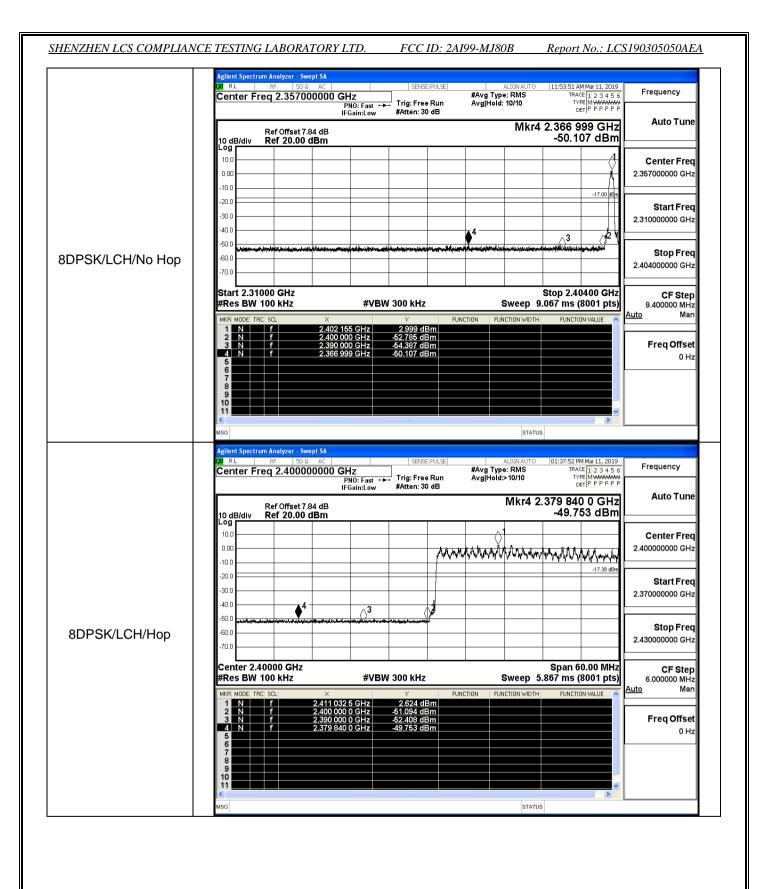
STATUS

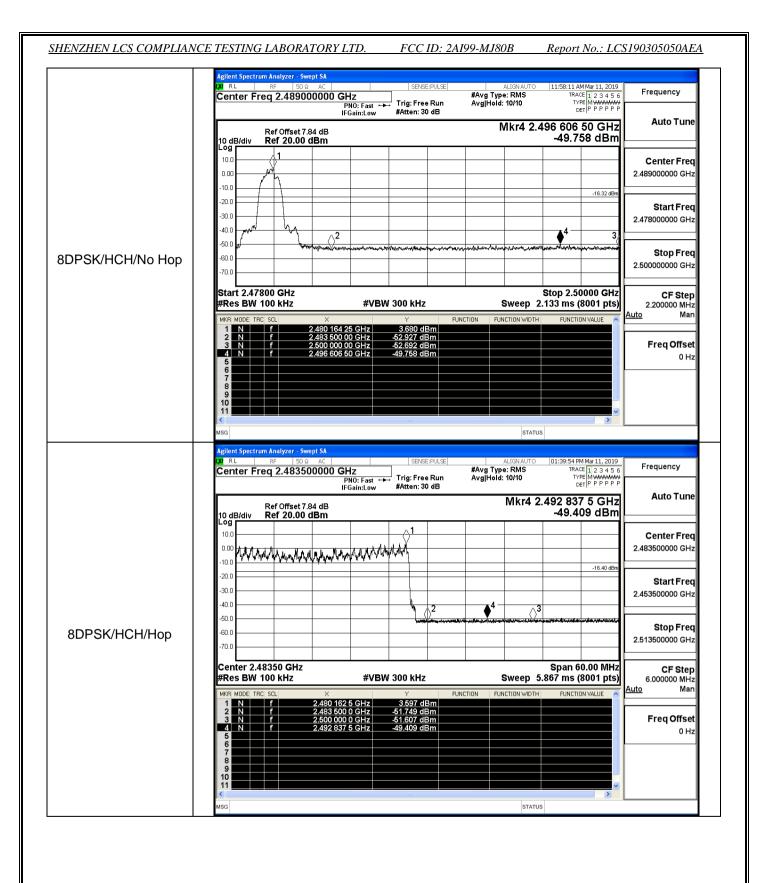
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			3.227	Off	-49.468	-16.77	PASS	
2-21/	LCH	2402	3.156	On	-49.507	-16.84	PASS	
GFSK	нсн	2480	4.042	Off	-50.374	-15.96	PASS	
			4.108	On	-48.469	-15.89	PASS	
	LCH			2.366	Off	-49.772	-17.63	PASS
		2402	2.591	On	-49.533	-17.41	PASS	
π/4DQPSK	нсн		3.941	Off	-49.975	-16.06	PASS	
		HCH 2480	3.689	On	-49.198	-16.31	PASS	
			2.999	Off	-50.107	-17	PASS	
	LCH	2402	2.624	On	-49.753	-17.38	PASS	
8DPSK			3.680	Off	-49.758	-16.32	PASS	
	HCH	2480	3.597	On	-49.409	-16.4	PASS	





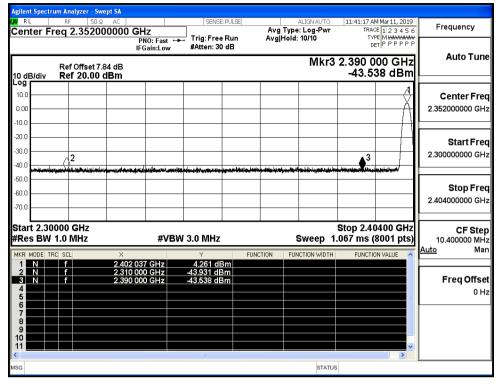




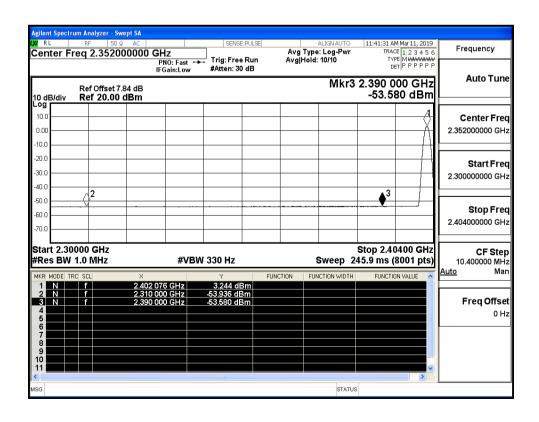
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.93	2.0	0	53.33	PEAK	74	PASS
	Off	2310.0	-53.94	2.0	0	43.32	AV	54	PASS
	Off	2390.0	-43.54	2.0	0	53.72	PEAK	74	PASS
	Off	2390.0	-53.58	2.0	0	43.68	AV	54	PASS
GFSK	Off	2483.5	-41.84	2.0	0	55.42	PEAK	74	PASS
	Off	2483.5	-53.41	2.0	0	43.84	AV	54	PASS
	Off	2500.0	-43.64	2.0	0	53.62	PEAK	74	PASS
	Off	2500.0	-53.36	2.0	0	43.89	AV	54	PASS
	Off	2310.0	-43.87	2.0	0	53.39	PEAK	74	PASS
	Off	2310.0	-54.08	2.0	0	43.18	AV	54	PASS
	Off	2390.0	-43.28	2.0	0	53.98	PEAK	74	PASS
400004	Off	2390.0	-53.59	2.0	0	43.67	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.07	2.0	0	54.19	PEAK	74	PASS
	Off	2483.5	-53.26	2.0	0	43.99	AV	54	PASS
	Off	2500.0	-43.12	2.0	0	54.14	PEAK	74	PASS
	Off	2500.0	-53.36	2.0	0	43.90	AV	54	PASS
	Off	2310.0	-43.87	2.0	0	53.39	PEAK	74	PASS
	Off	2310.0	-53.95	2.0	0	43.31	AV	54	PASS
	Off	2390.0	-43.47	2.0	0	53.79	PEAK	74	PASS
	Off	2390.0	-53.67	2.0	0	43.59	AV	54	PASS
8DPSK	Off	2483.5	-42.54	2.0	0	54.71	PEAK	74	PASS
	Off	2483.5	-53.36	2.0	0	43.90	AV	54	PASS
	Off	2500.0	-43.04	2.0	0	54.22	PEAK	74	PASS
	Off	2500.0	-53.24	2.0	0	44.02	AV	54	PASS

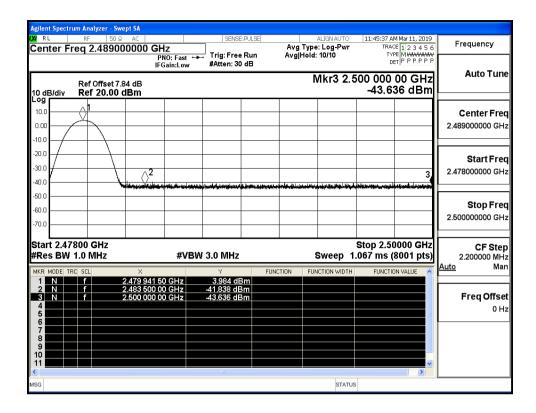




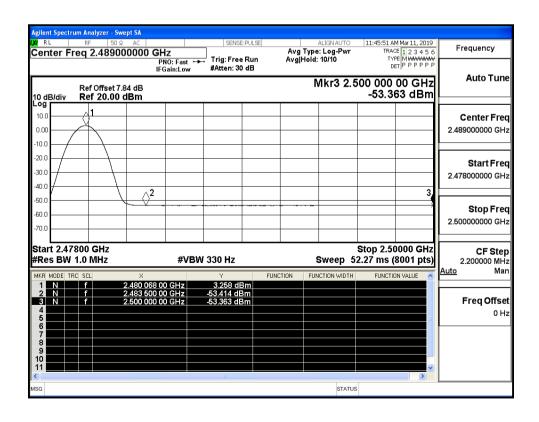
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



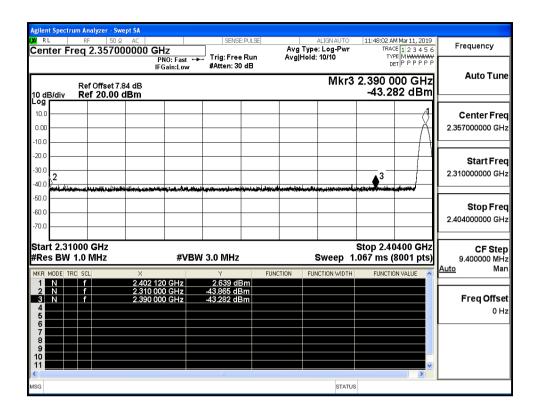
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



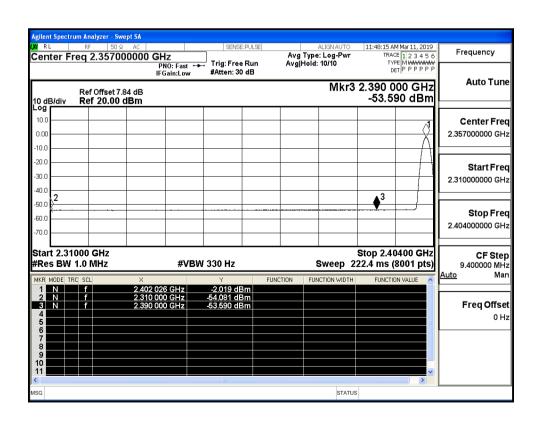
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



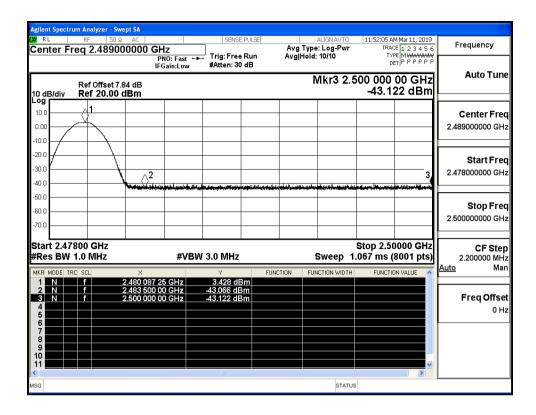
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



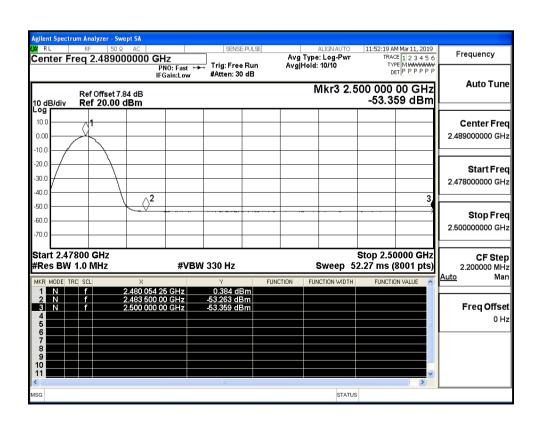
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



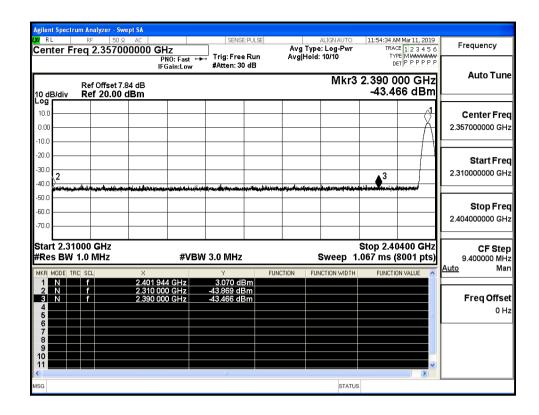
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



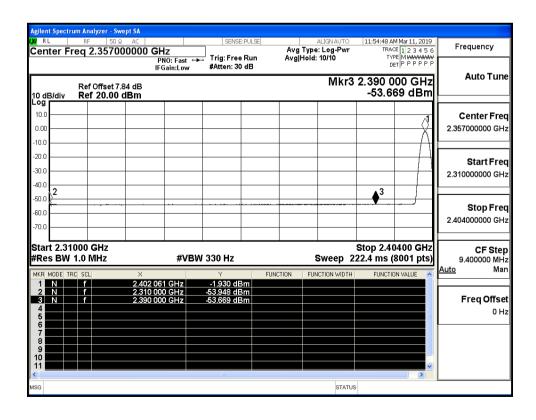
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



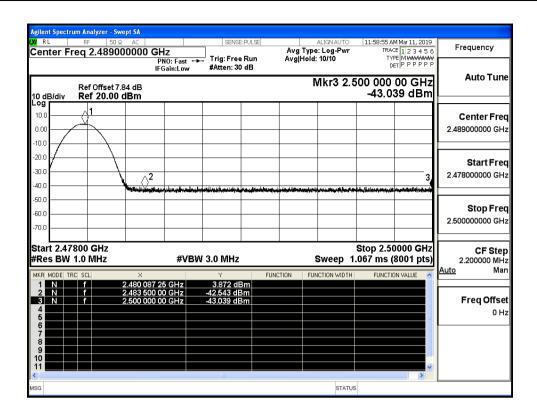
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

