Appendix A

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

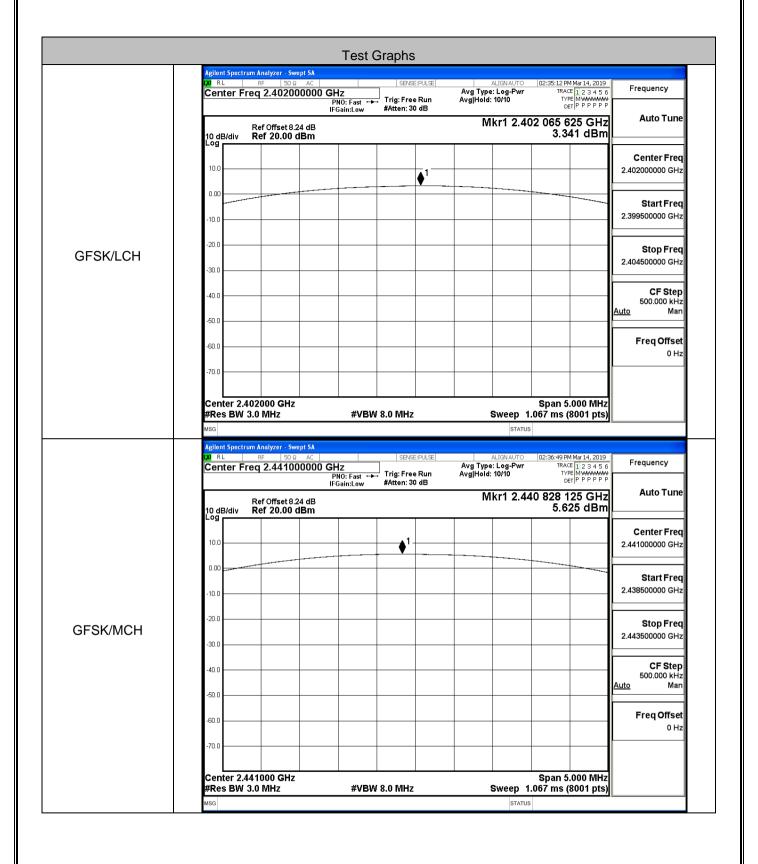
Product Name: Revo Bluetooth® Headphones Trade Mark: Gemline Test Model: 100239-001B

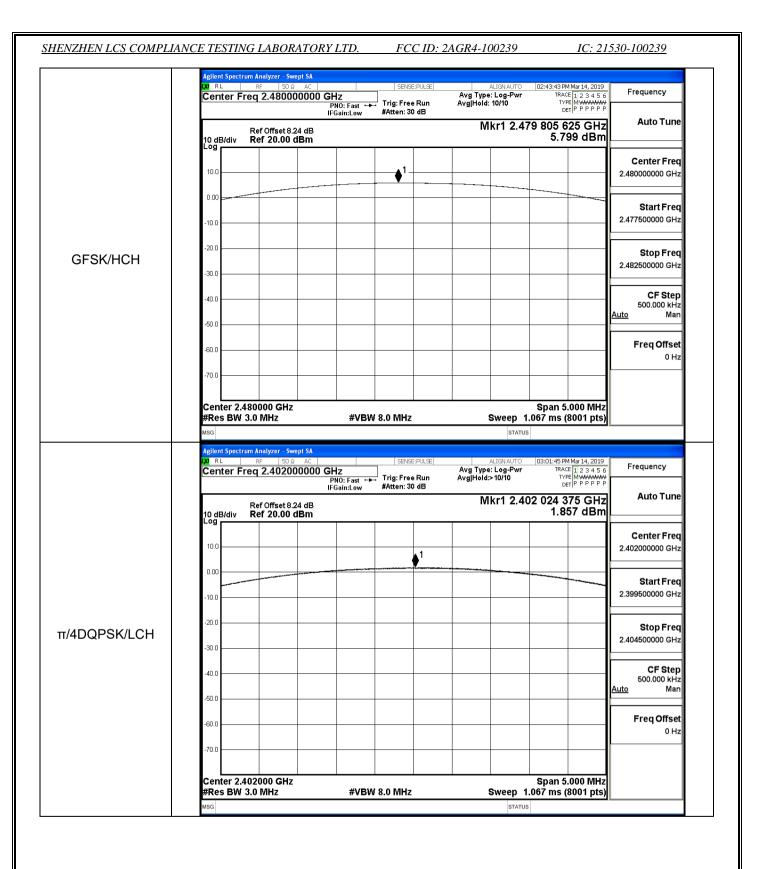
Environmental Conditions

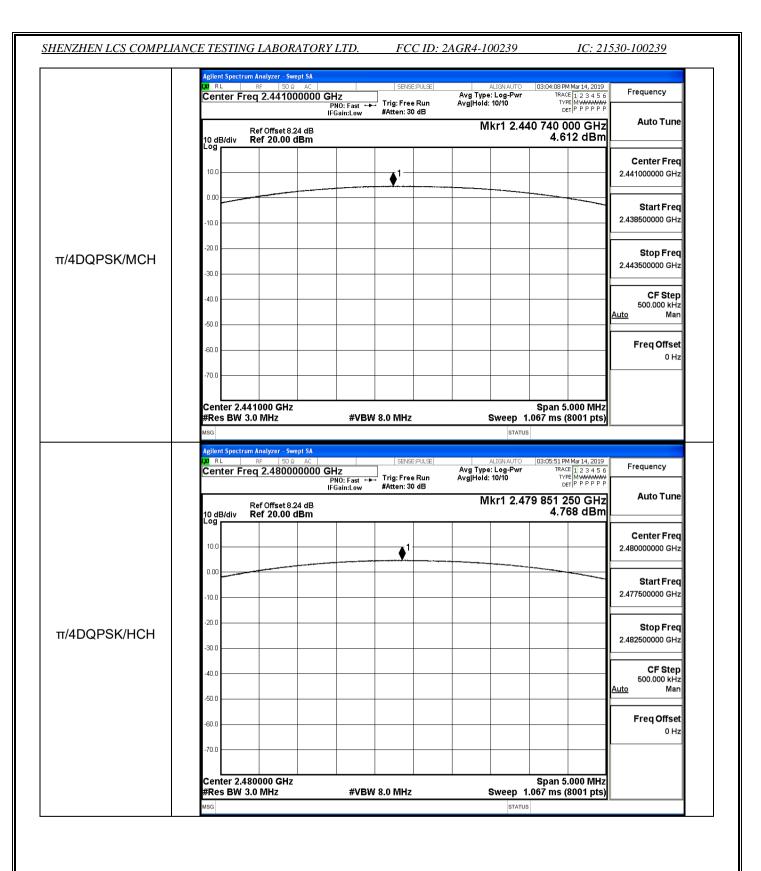
Temperature:	24.5 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Wang Chuang

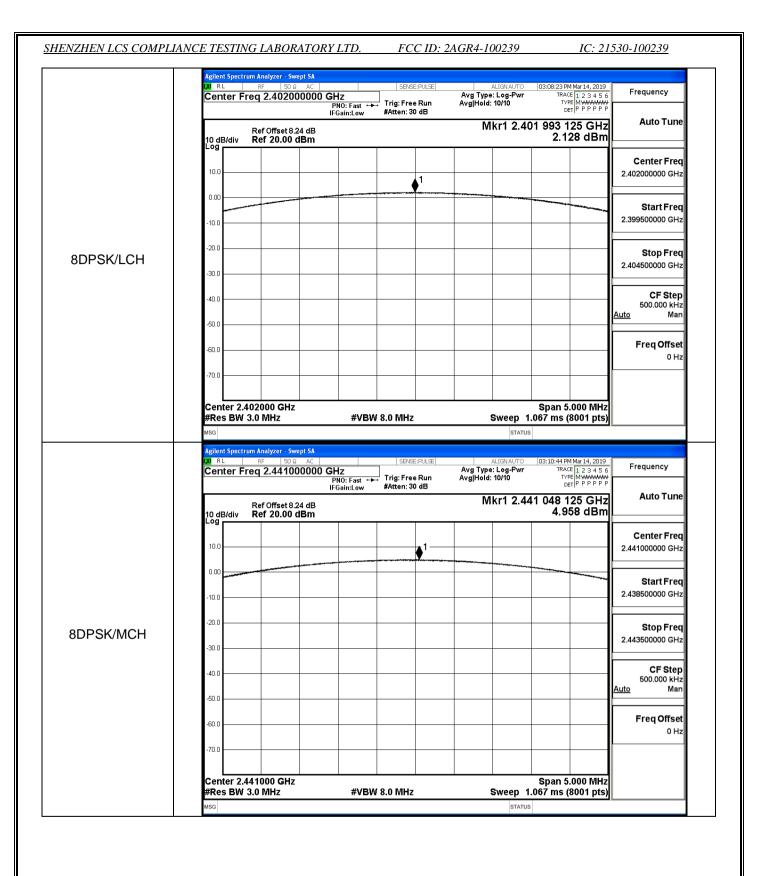
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	3.341	21	PASS
GFSK	MCH	5.625	21	PASS
	НСН	5.799	21	PASS
	LCH	1.857	21	PASS
π/4DQPSK	MCH	4.612	21	PASS
	НСН	4.768	21	PASS
	LCH	2.128	21	PASS
8DPSK	MCH	4.958	21	PASS
	НСН	5.073	21	PASS



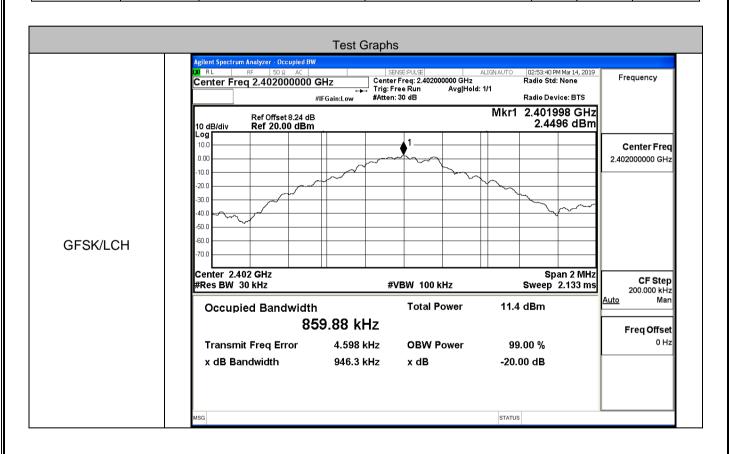


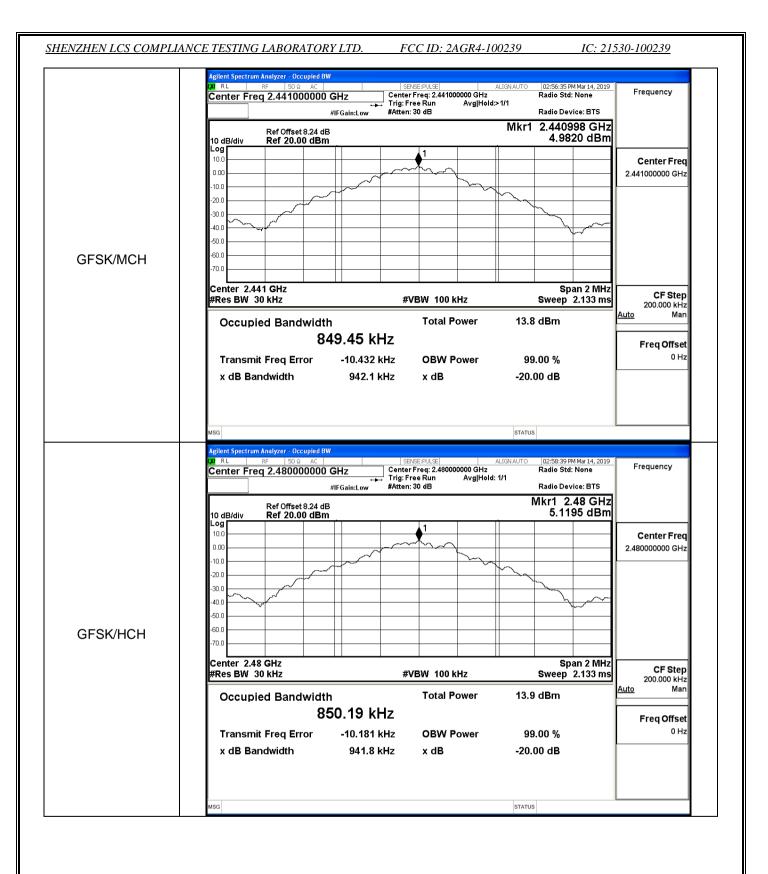


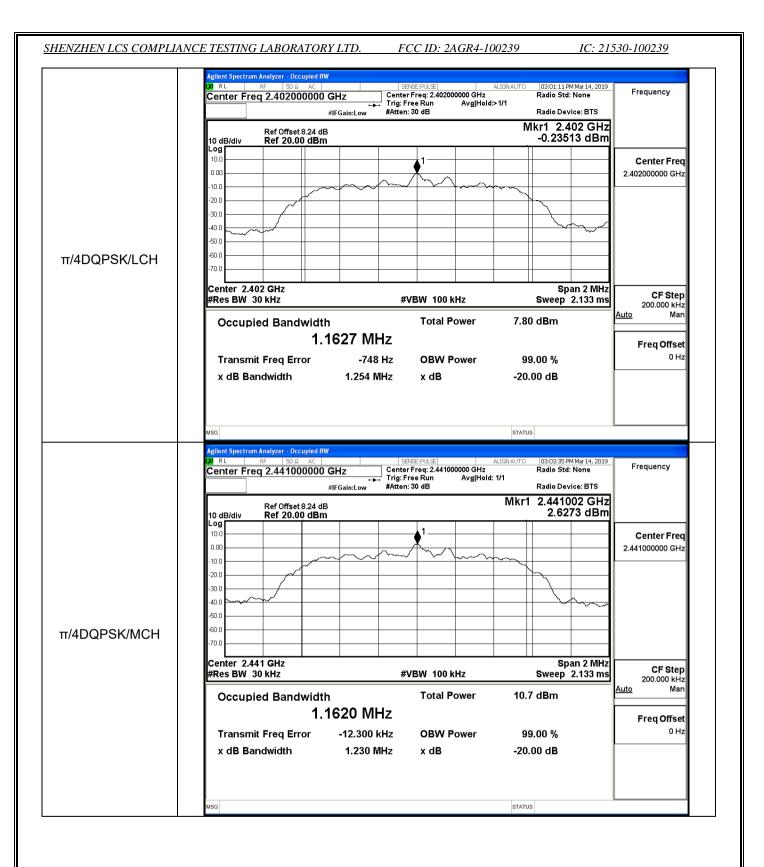


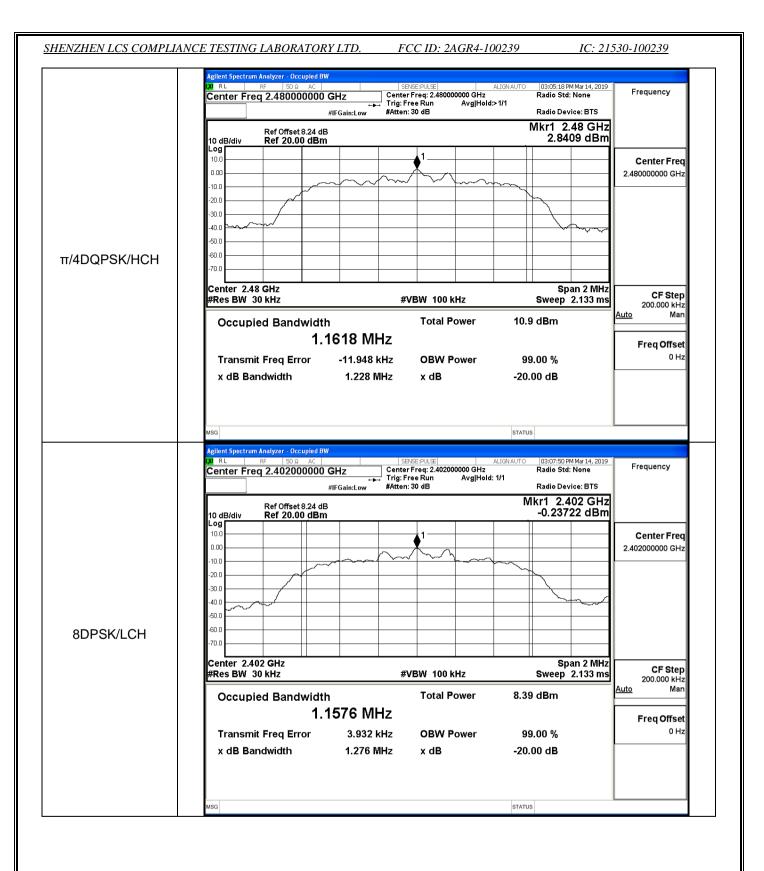
A.2 99% and 20dB Bandwidth

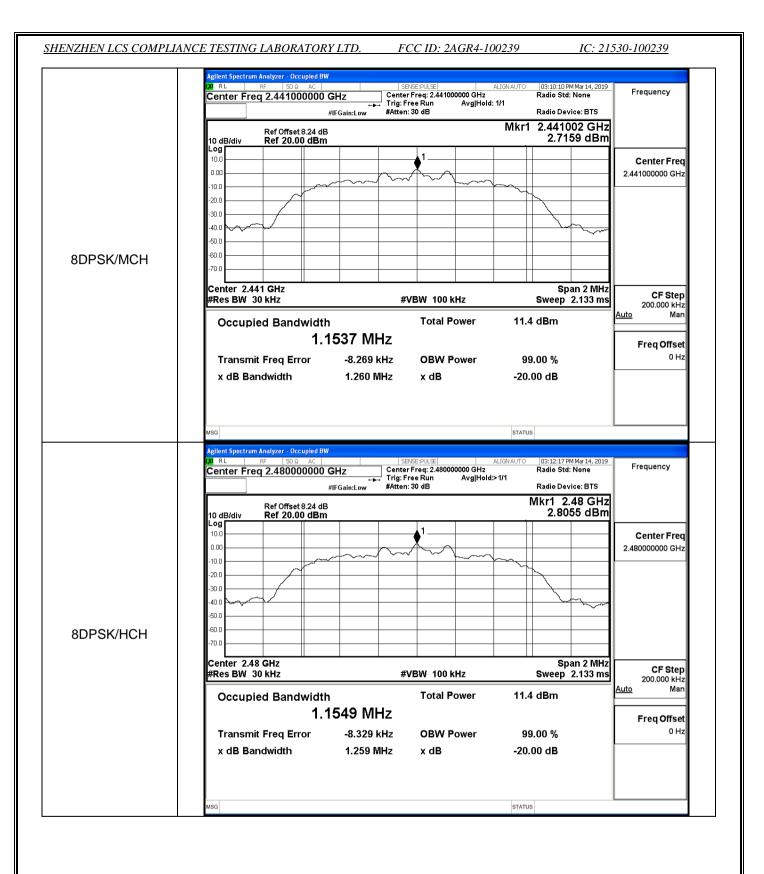
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.85988	0.9463	Not Specified	PASS
GFSK	MCH	0.84945	0.9421	Not Specified	PASS
	НСН	0.85019	0.9418	Not Specified	PASS
	LCH	1.1627	1.254	Not Specified	PASS
π/4DQPSK	MCH	1.1620	1.230	Not Specified	PASS
	HCH	1.1618	1.228	Not Specified	PASS
	LCH	1.1576	1.276	Not Specified	PASS
8DPSK	BDPSK MCH 1.1		1.260	Not Specified	PASS
	HCH	1.1549	1.259	Not Specified	PASS





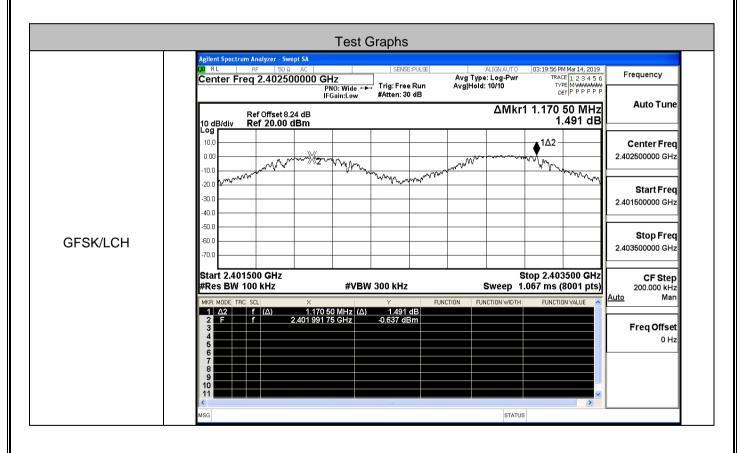


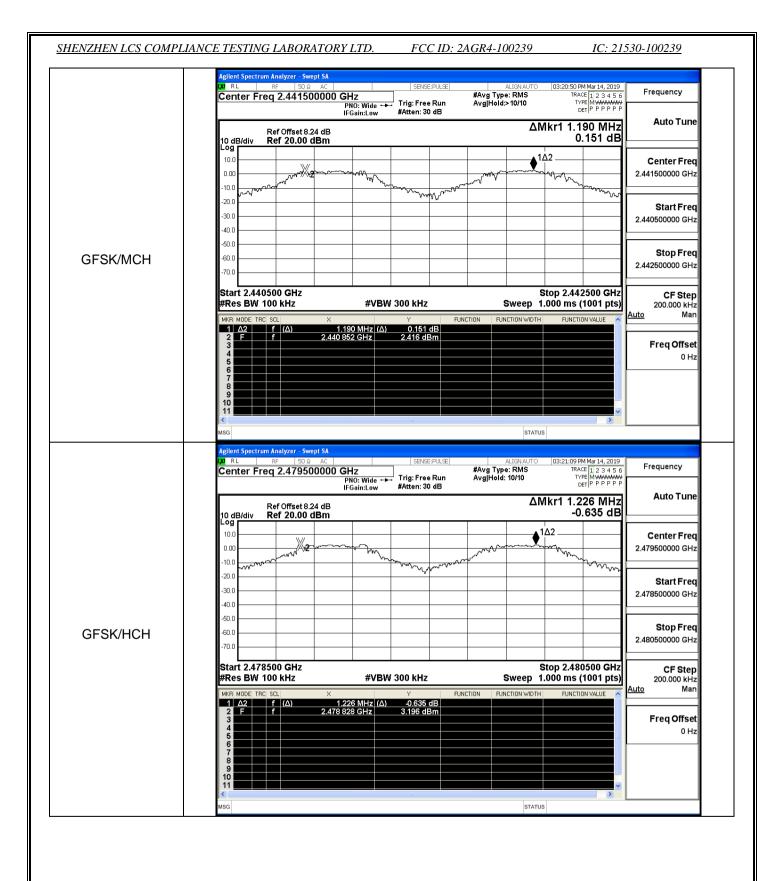


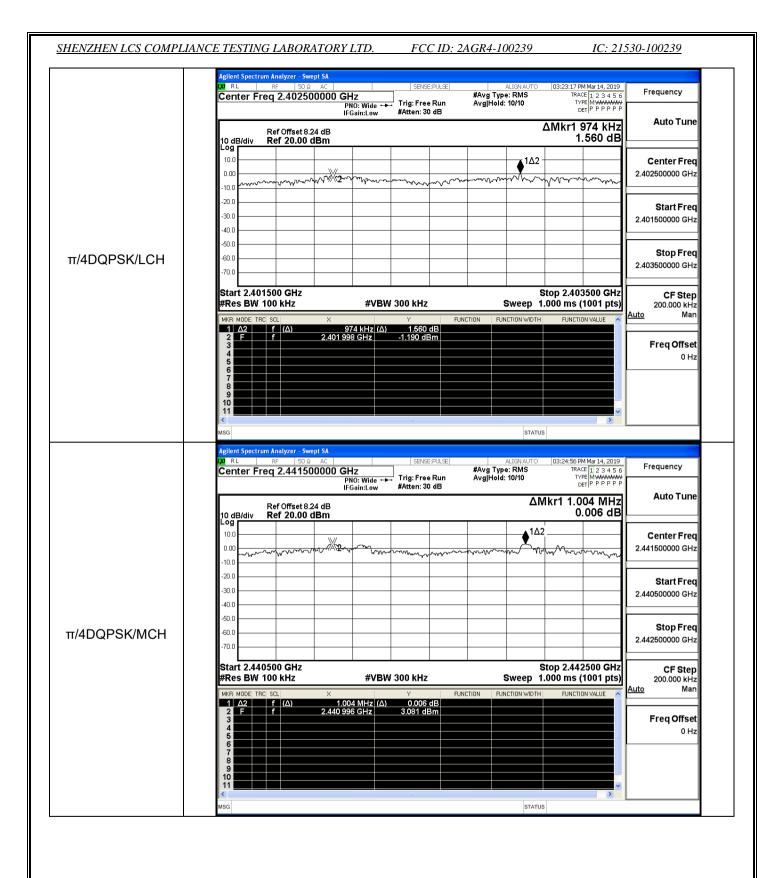


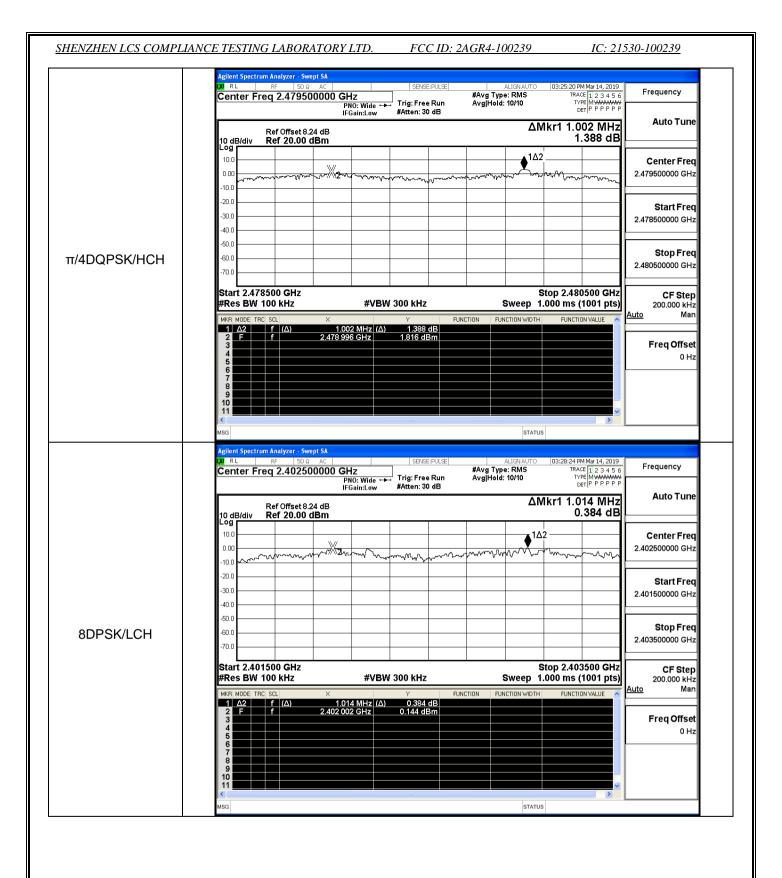
A.3 Carrier Frequency Separation

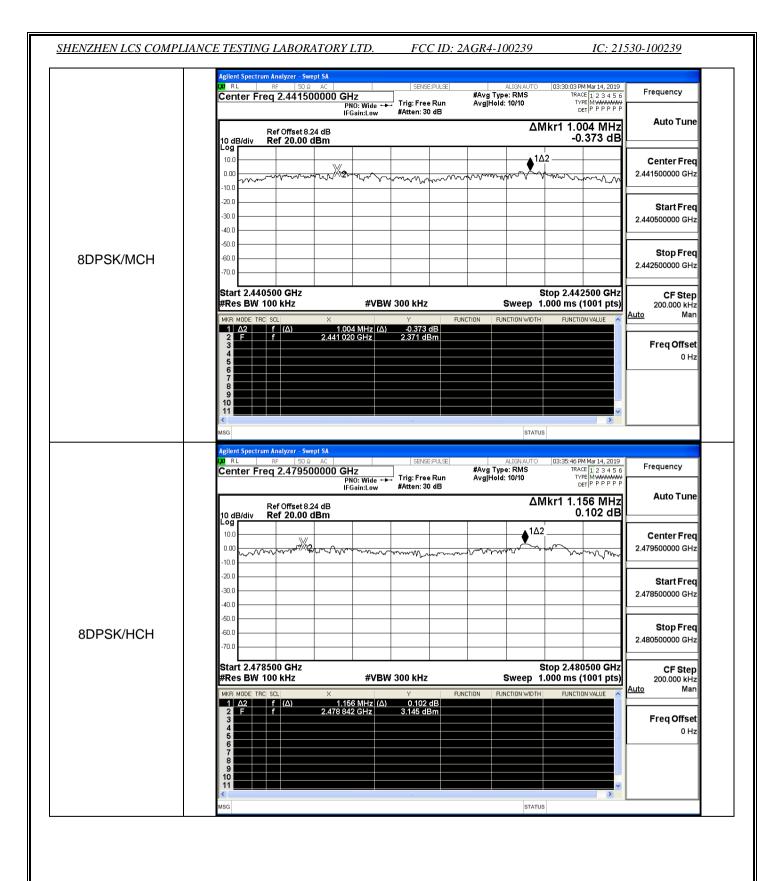
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.170	0.631	PASS
GFSK	MCH	1.190	0.631	PASS
	HCH	1.226	0.631	PASS
	LCH	0.974	0.836	PASS
π/4DQPSK	MCH	1.004	0.836	PASS
	HCH	1.002	0.836	PASS
	LCH	1.014	0.851	PASS
8DPSK	MCH	1.004	0.851	PASS
	HCH	1.156	0.851	PASS





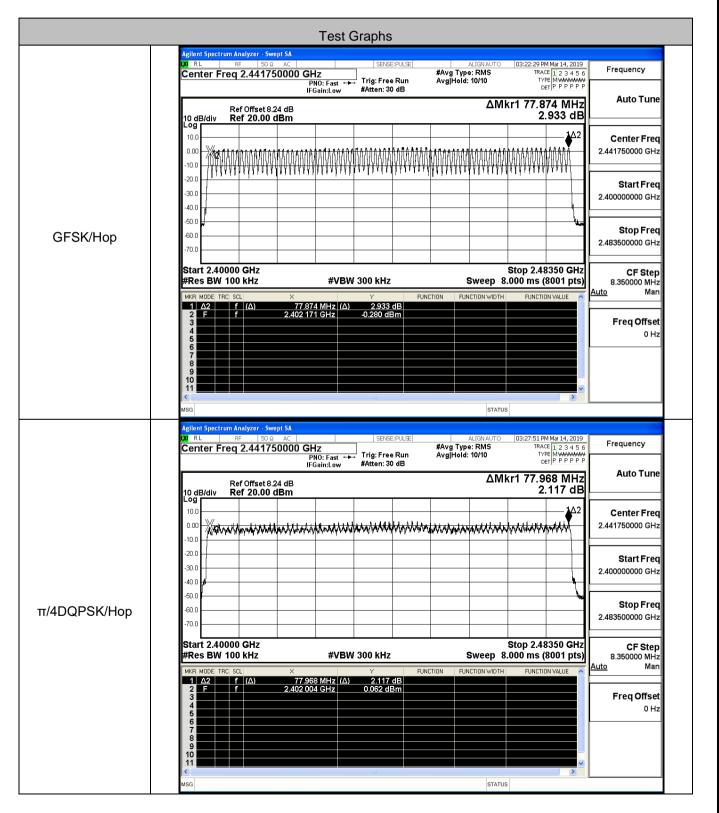






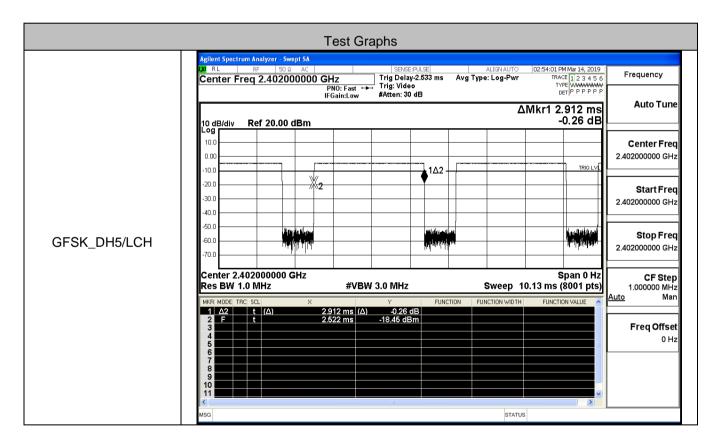
A.4 Hopping Channel Number

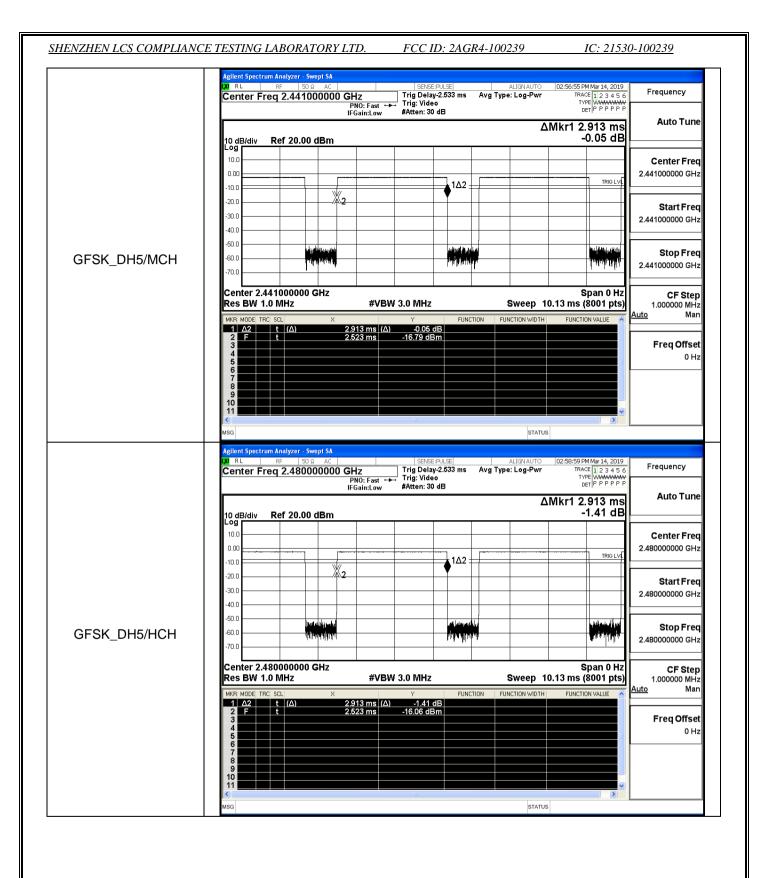
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

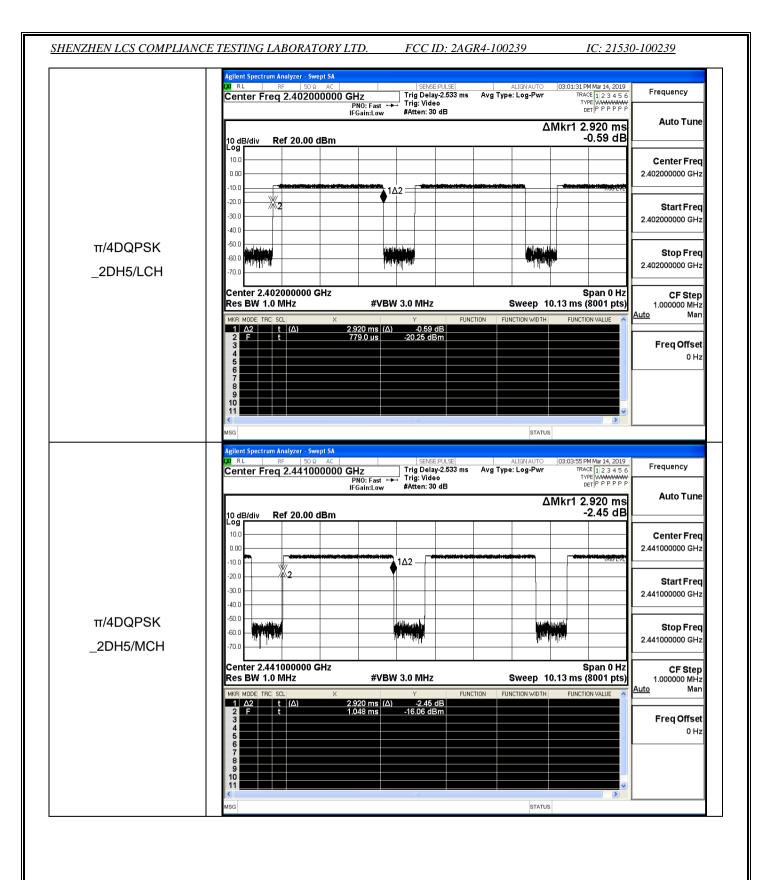


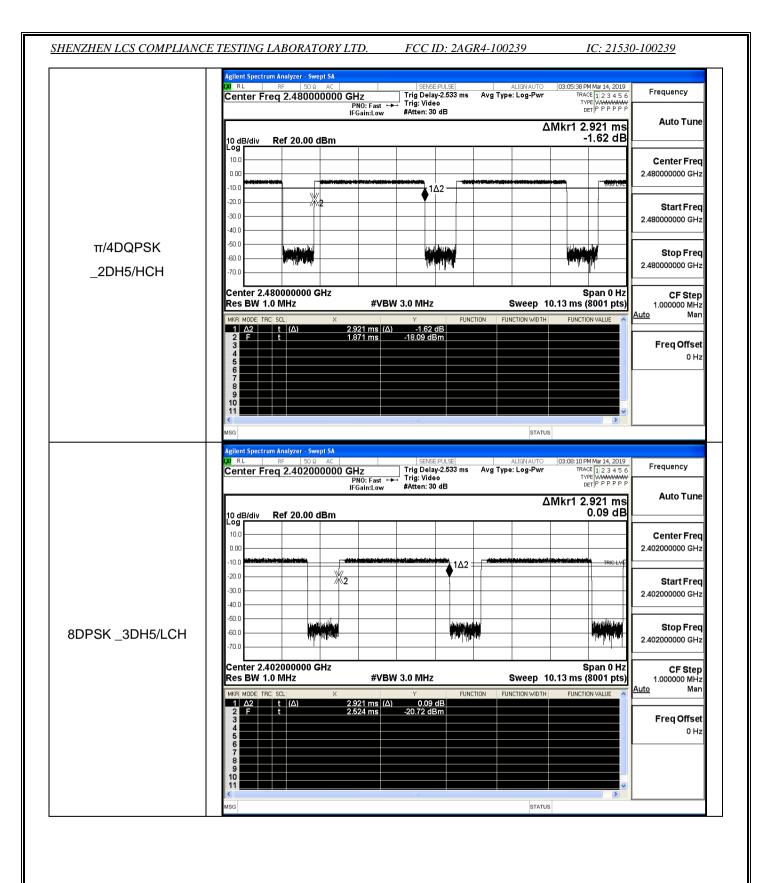
A.5 Dwell Time

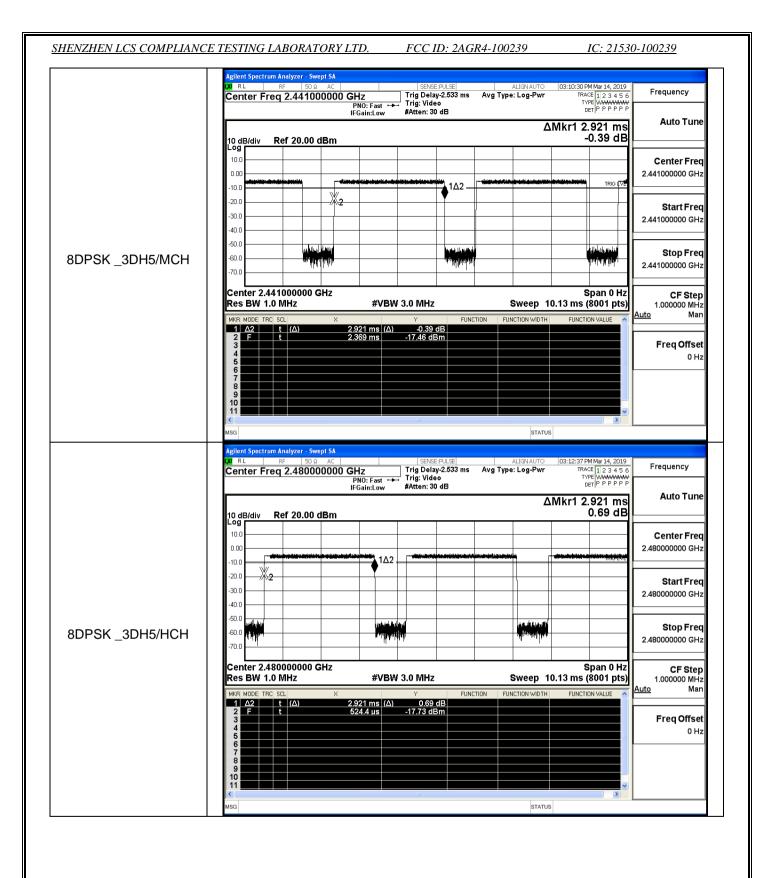
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.91	106.7	0.31	0.4	PASS
GFSK	DH5	MCH	2.91	106.7	0.31	0.4	PASS
	DH5	HCH	2.91	106.7	0.31	0.4	PASS
	2DH5	LCH	2.92	106.7	0.312	0.4	PASS
π/4DQPSK	2DH5	MCH	2.92	106.7	0.312	0.4	PASS
	2DH5	HCH	2.92	106.7	0.312	0.4	PASS
8DPSK	3DH5	LCH	2.92	106.7	0.312	0.4	PASS
	3DH5	MCH	2.92	106.7	0.312	0.4	PASS
	3DH5	HCH	2.92	106.7	0.312	0.4	PASS





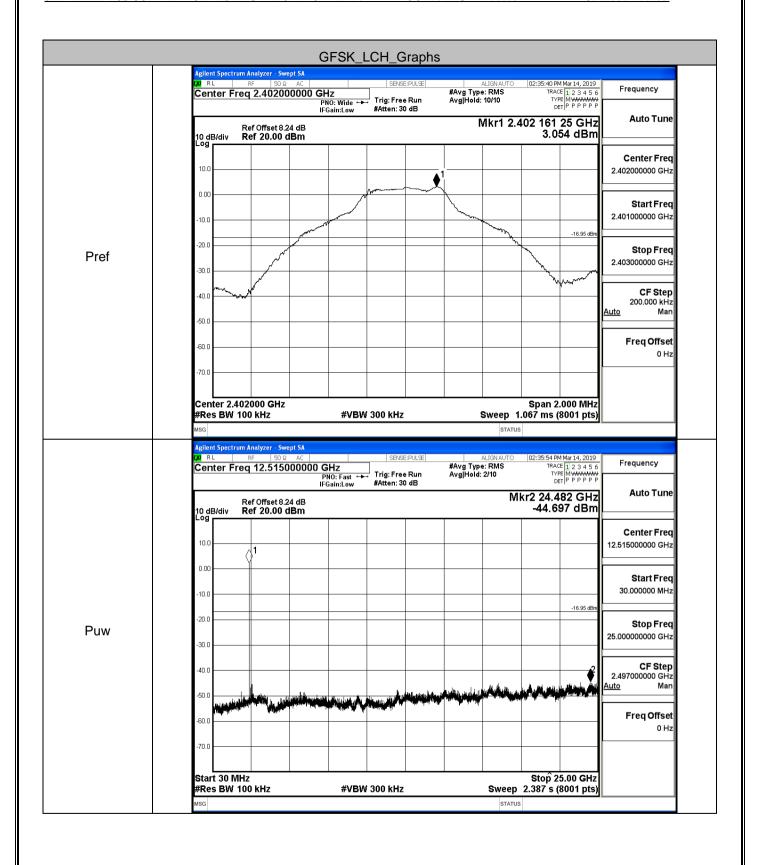


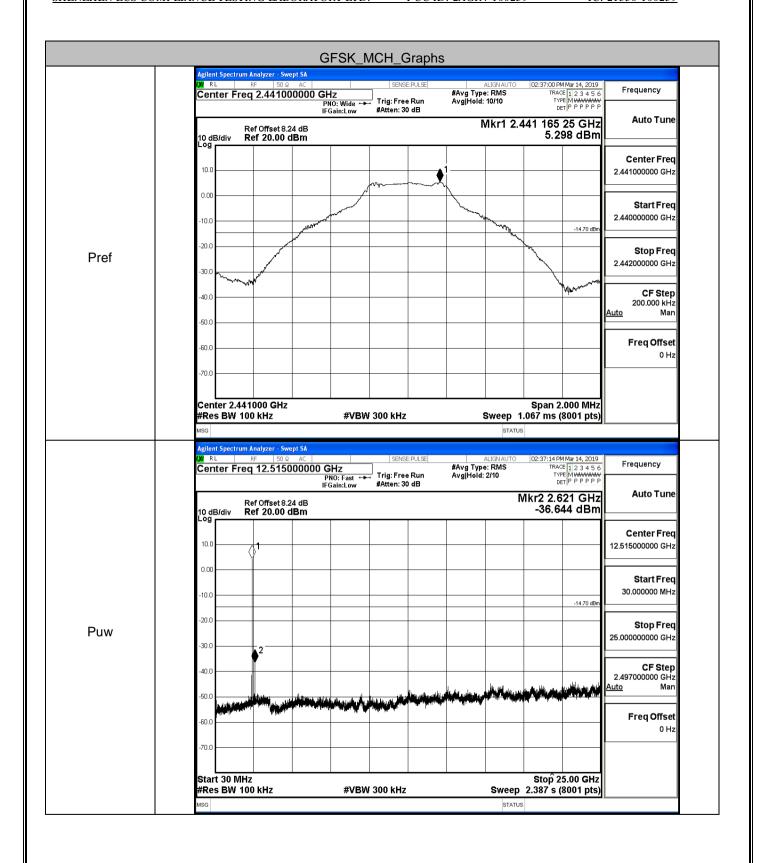


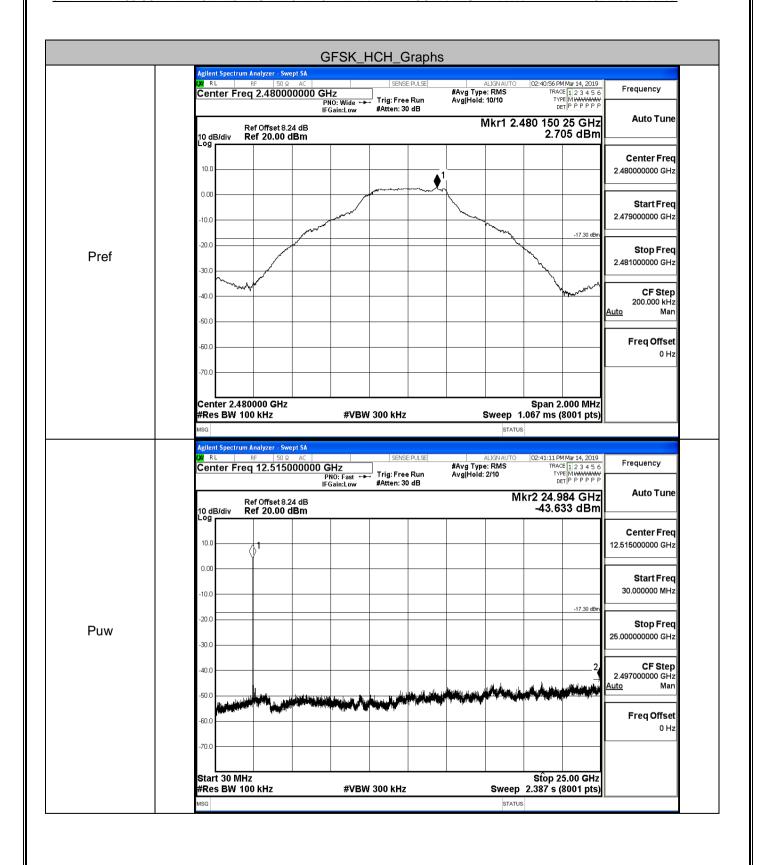


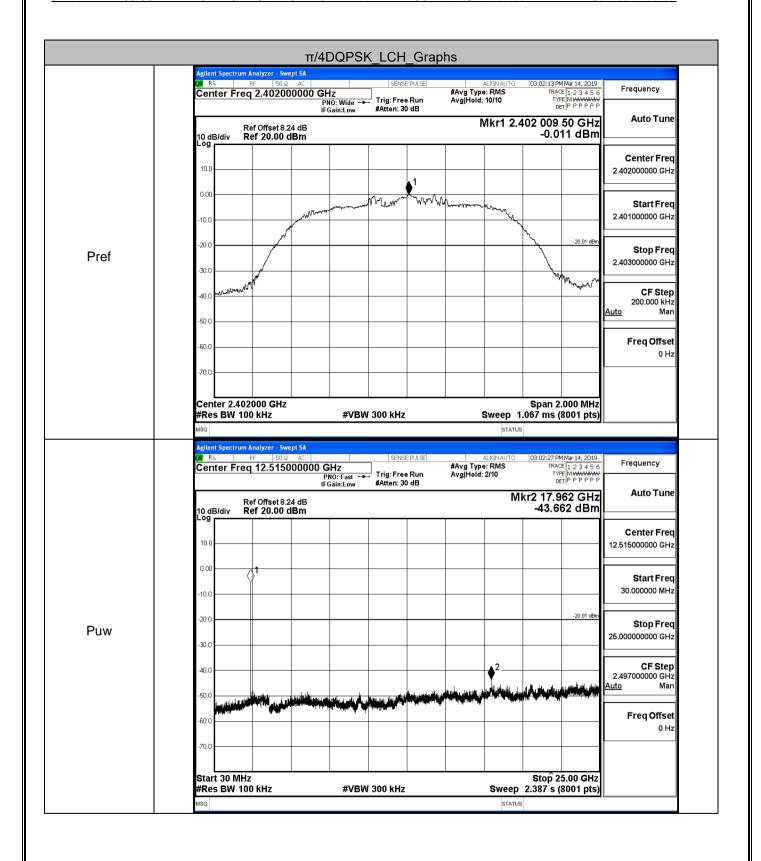
A.6 RF Conducted Spurious Emissions

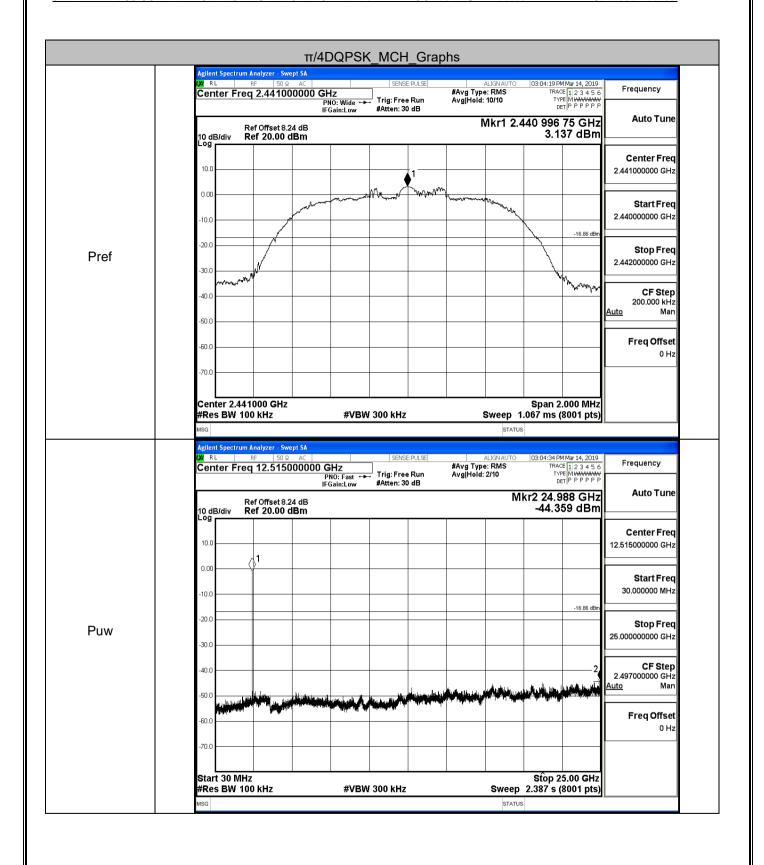
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	3.054	-44.697	-16.946	PASS
GFSK	MCH	5.298	-36.644	-14.702	PASS
	HCH	2.705	-43.633	-17.295	PASS
	LCH	-0.011	-43.662	-20.011	PASS
π/4DQPSK	MCH	3.137	-44.359	-16.863	PASS
	HCH	3.185	-43.361	-16.815	PASS
	LCH	0.35	-44.048	-19.650	PASS
8DPSK	MCH	3.118	-44.362	-16.882	PASS
	HCH	3.262	-43.981	-16.738	PASS

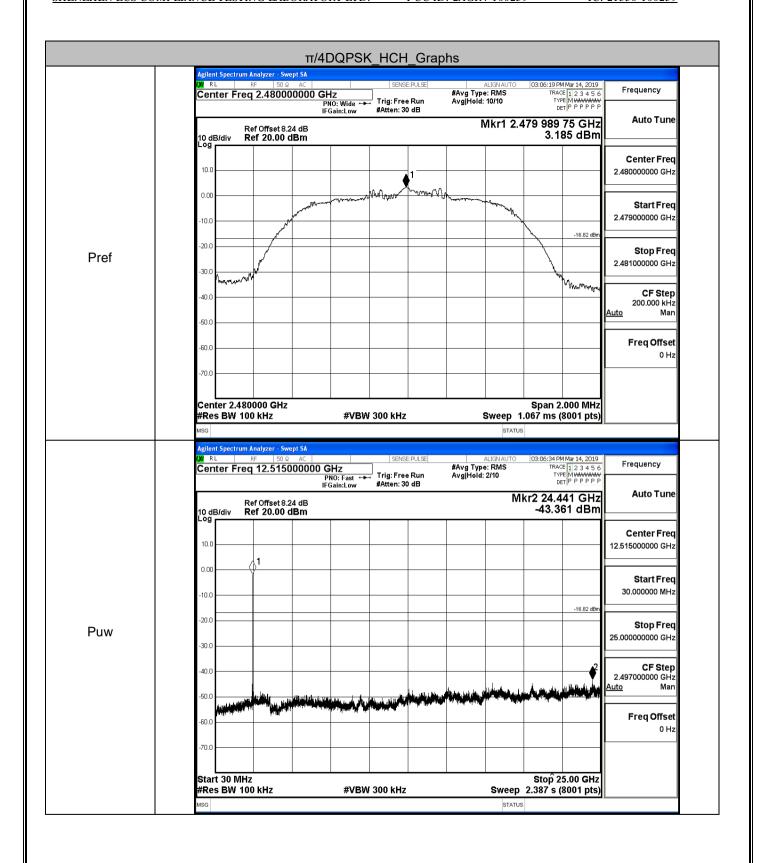


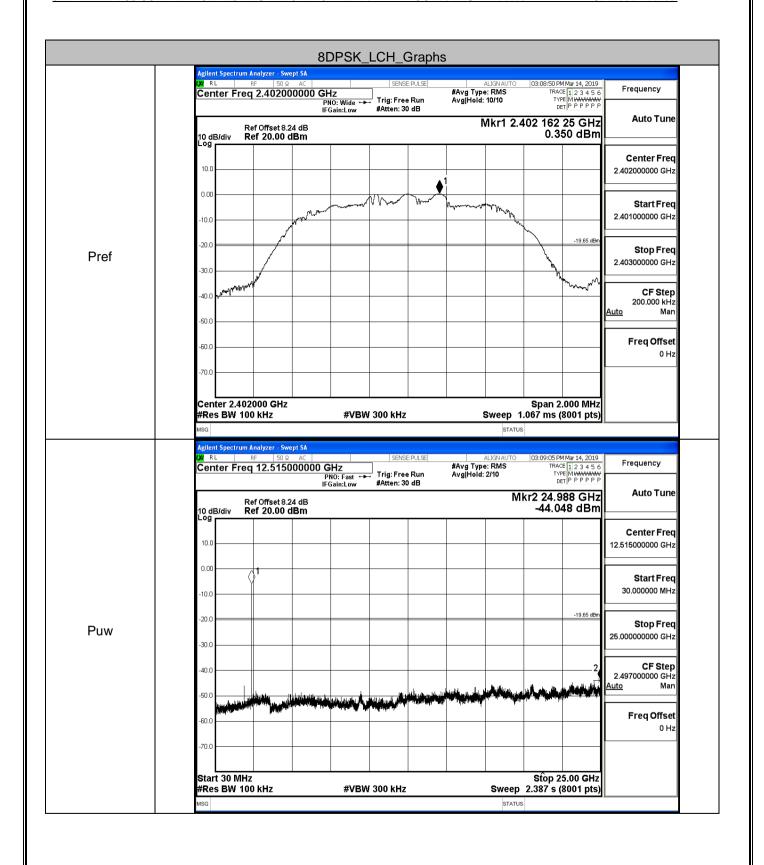


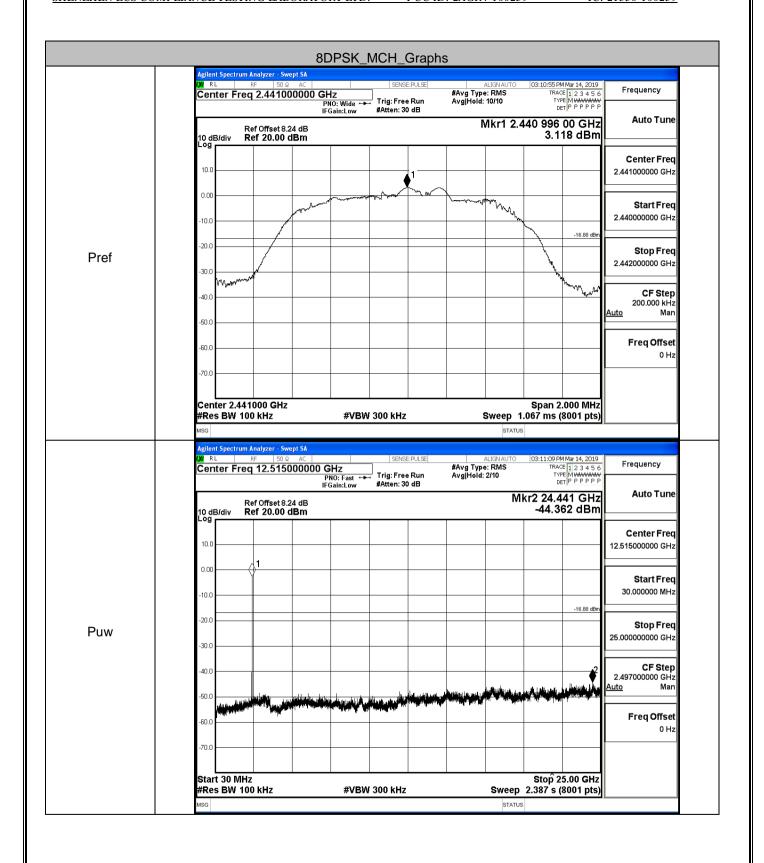


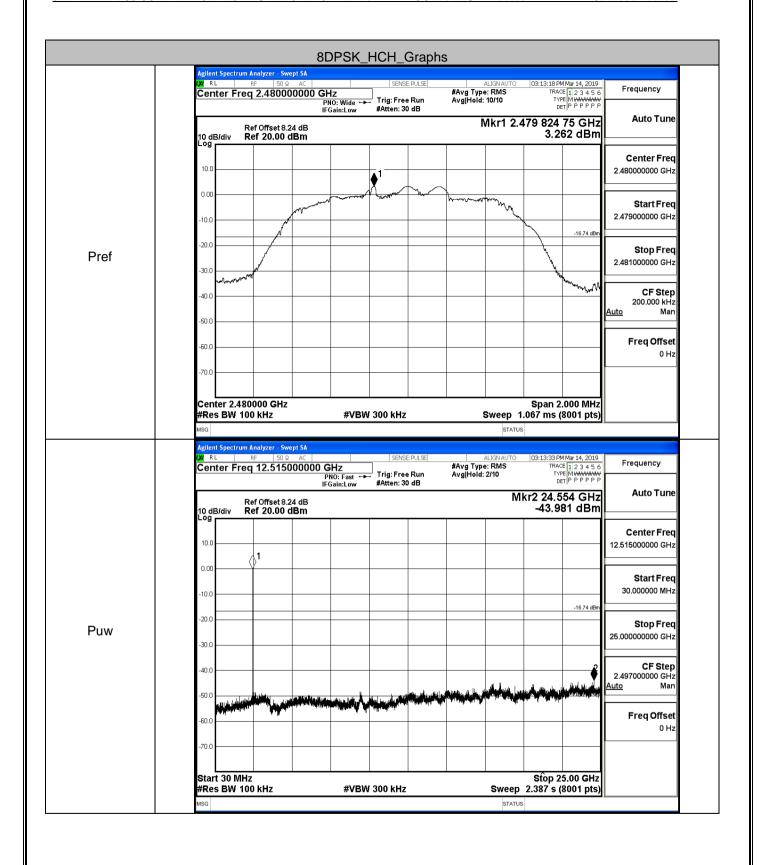






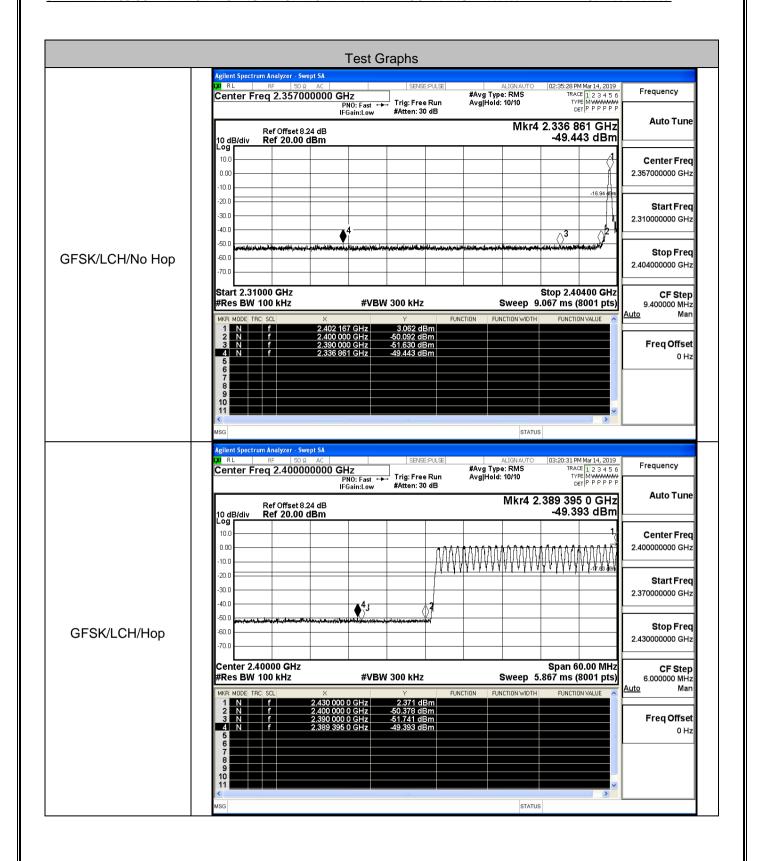


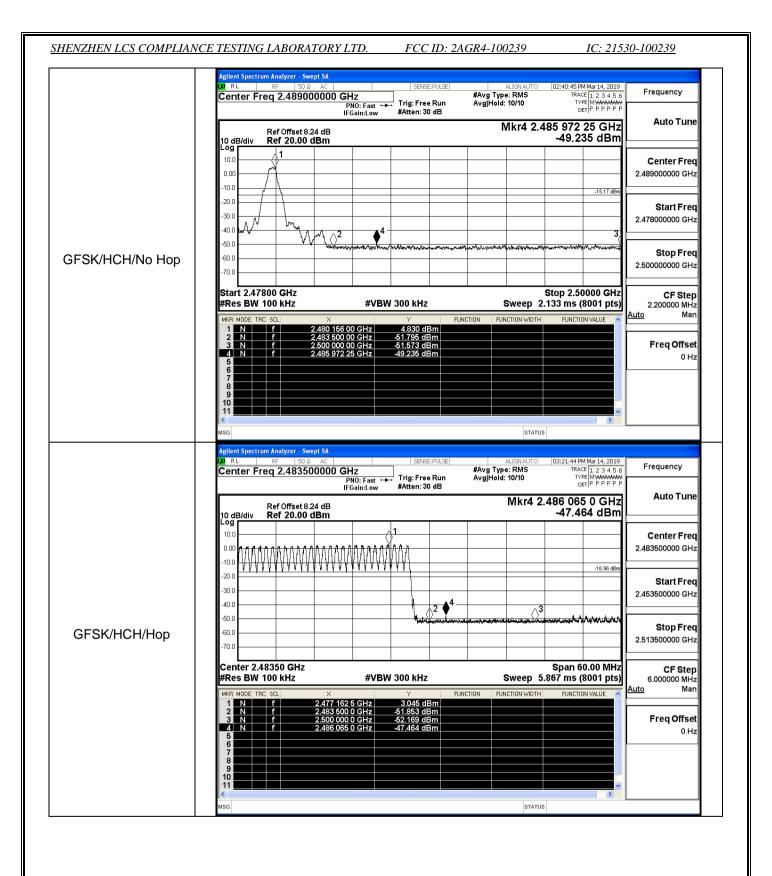


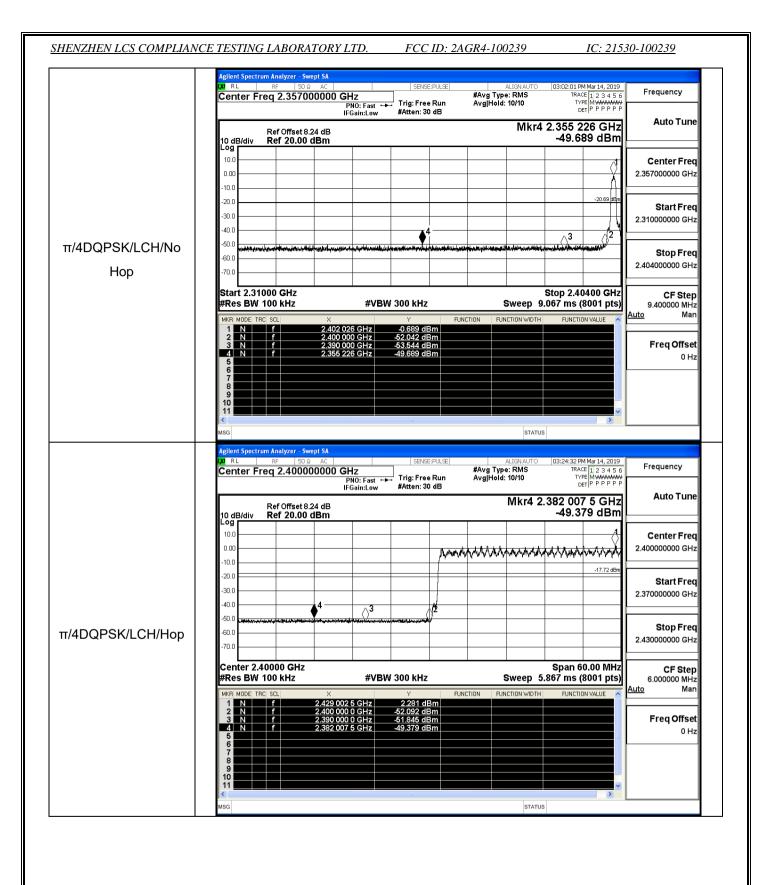


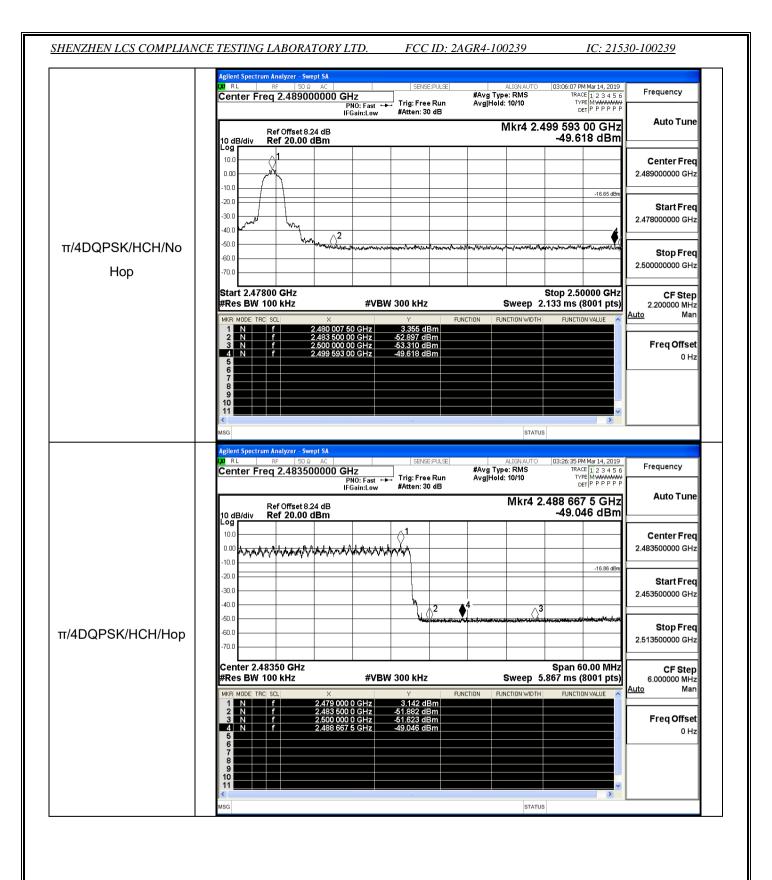
A.7 Band-edge for RF Conducted Emissions

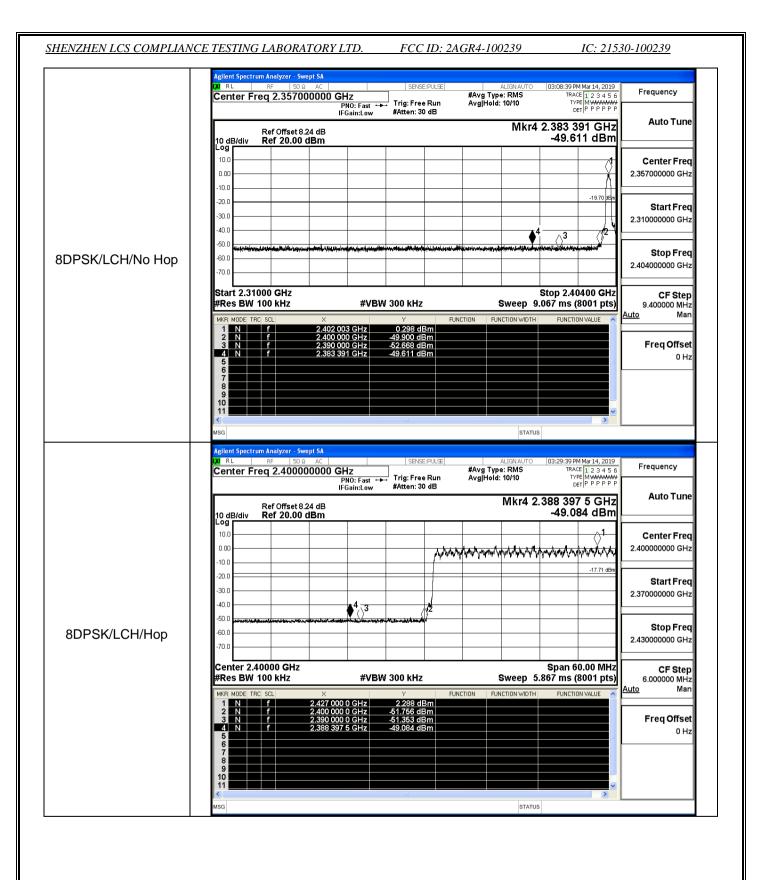
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict				
			3.062	Off	-49.443	-16.94	PASS				
	LCH	2402	2.371	On	-49.393	-17.63	PASS				
GFSK			4.830	Off	-49.235	-15.17	PASS				
	HCH	2480	3.045	On	-47.464	-16.96	PASS				
	LCH						-0.689	Off	-49.689	-20.69	PASS
		2402	2.281	On	-49.379	-17.72	PASS				
π/4DQPSK	НСН		3.355	Off	-49.618	-16.65	PASS				
		2480	3.142	On	-49.046	-16.86	PASS				
			0.298	Off	-49.611	-19.7	PASS				
	LCH	2402	2.288	On	-49.084	-17.71	PASS				
8DPSK			3.377	Off	-49.654	-16.62	PASS				
	HCH	2480	3.273	On	-48.781	-16.73	PASS				

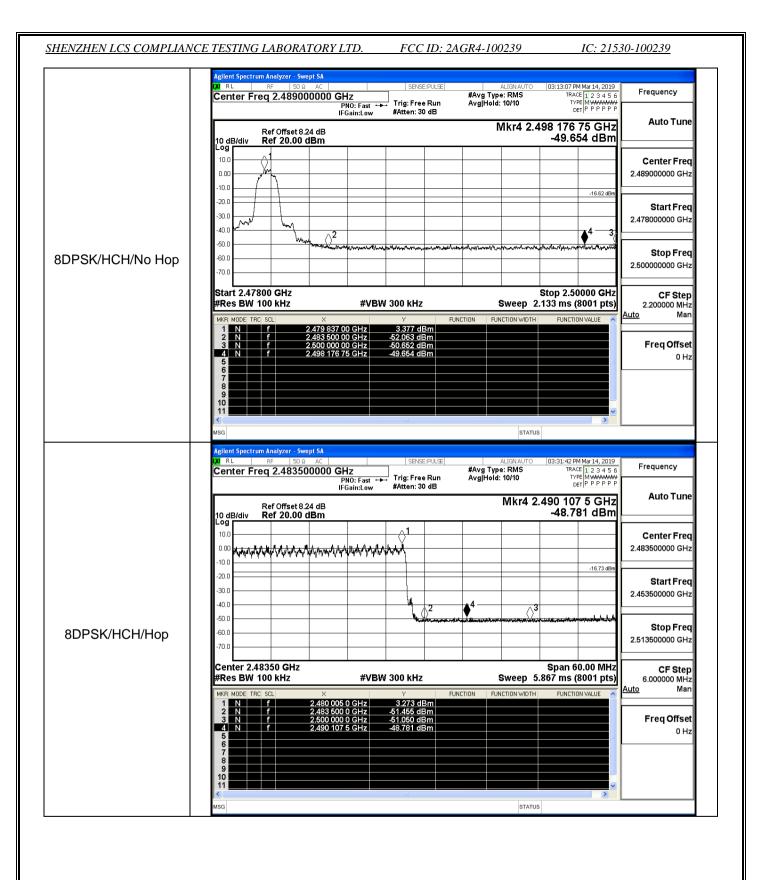








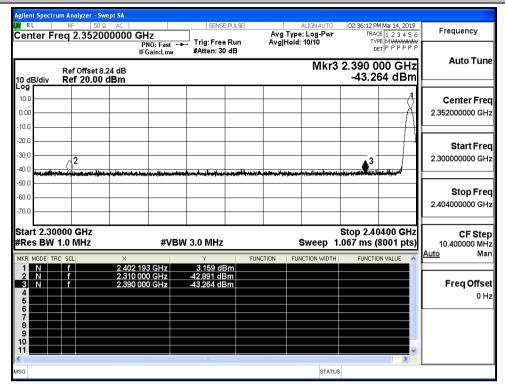




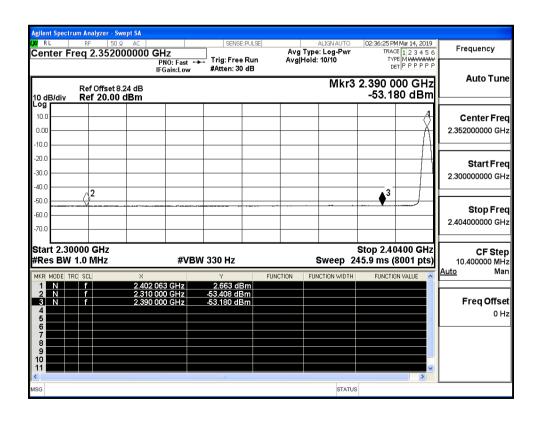
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-42.89	2.0	0	54.37	PEAK	74	PASS
	Off	2310.0	-53.41	2.0	0	43.85	AV	54	PASS
	Off	2390.0	-43.26	2.0	0	53.99	PEAK	74	PASS
	Off	2390.0	-53.18	2.0	0	44.08	AV	54	PASS
GFSK	Off	2483.5	-39.52	2.0	0	57.74	PEAK	74	PASS
	Off	2483.5	-49.70	2.0	0	47.56	AV	54	PASS
	Off	2500.0	-42.06	2.0	0	55.20	PEAK	74	PASS
	Off	2500.0	-52.90	2.0	0	44.36	AV	54	PASS
	Off	2310.0	-42.39	2.0	0	54.87	PEAK	74	PASS
	Off	2310.0	-53.65	2.0	0	43.60	AV	54	PASS
	Off	2390.0	-41.46	2.0	0	55.80	PEAK	74	PASS
450504	Off	2390.0	-53.36	2.0	0	43.90	AV	54	PASS
π/4DQPSK	Off	2483.5	-40.83	2.0	0	56.43	PEAK	74	PASS
	Off	2483.5	-52.30	2.0	0	44.96	AV	54	PASS
	Off	2500.0	-43.46	2.0	0	53.80	PEAK	74	PASS
	Off	2500.0	-52.94	2.0	0	44.32	AV	54	PASS
	Off	2310.0	-43.95	2.0	0	53.31	PEAK	74	PASS
	Off	2310.0	-53.54	2.0	0	43.72	AV	54	PASS
	Off	2390.0	-42.57	2.0	0	54.69	PEAK	74	PASS
	Off	2390.0	-53.34	2.0	0	43.92	AV	54	PASS
8DPSK	Off	2483.5	-41.79	2.0	0	55.46	PEAK	74	PASS
	Off	2483.5	-52.30	2.0	0	44.96	AV	54	PASS
	Off	2500.0	-44.03	2.0	0	53.22	PEAK	74	PASS
	Off	2500.0	-52.91	2.0	0	44.34	AV	54	PASS

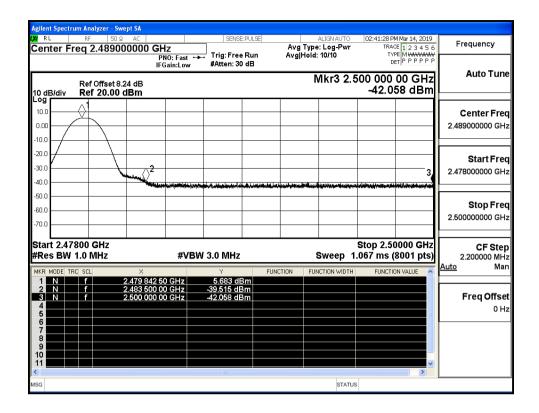




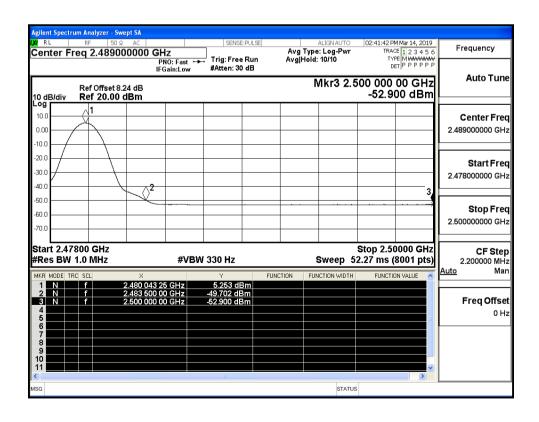
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



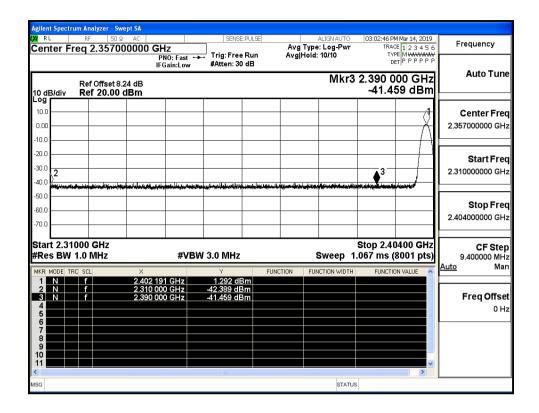
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



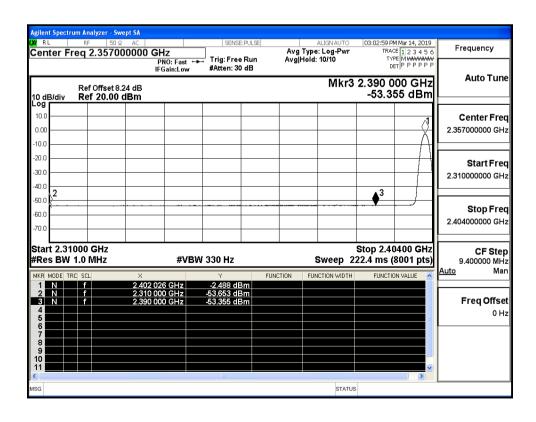
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



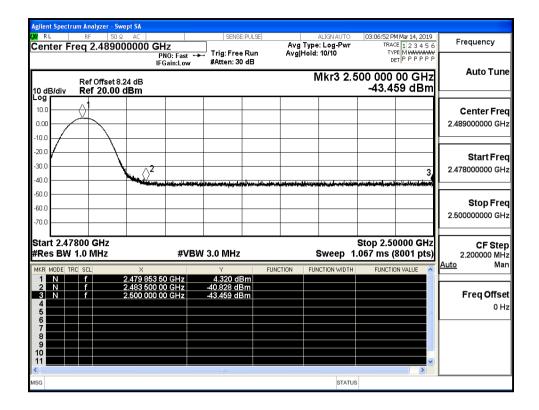
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



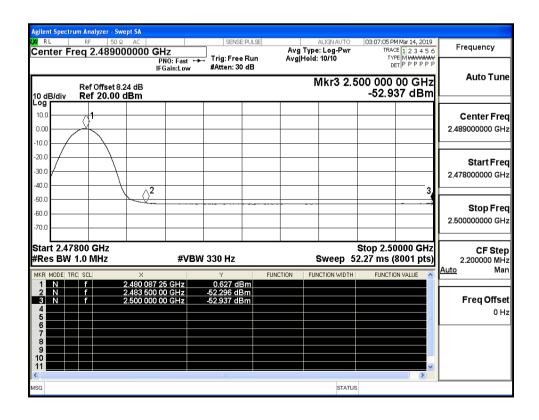
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



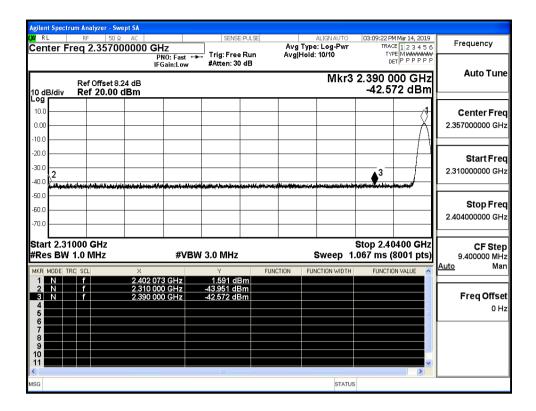
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



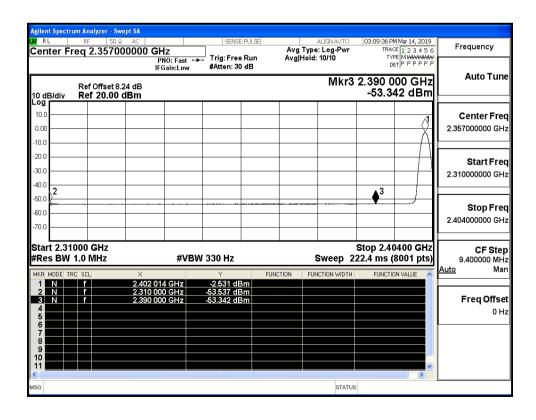
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



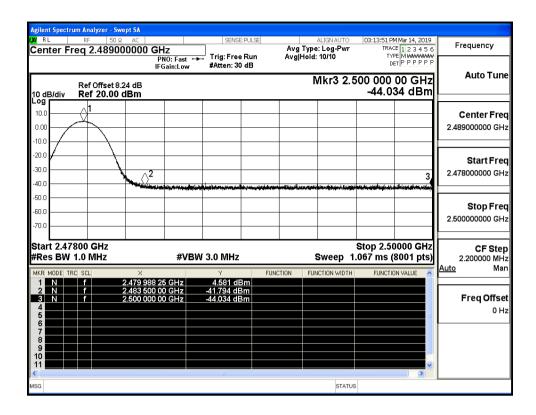
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

