Appendix A

RF Test Data for BT V3.0+EDR (Conducted Measurement)

Product Name: WIRELESS EARPHONES

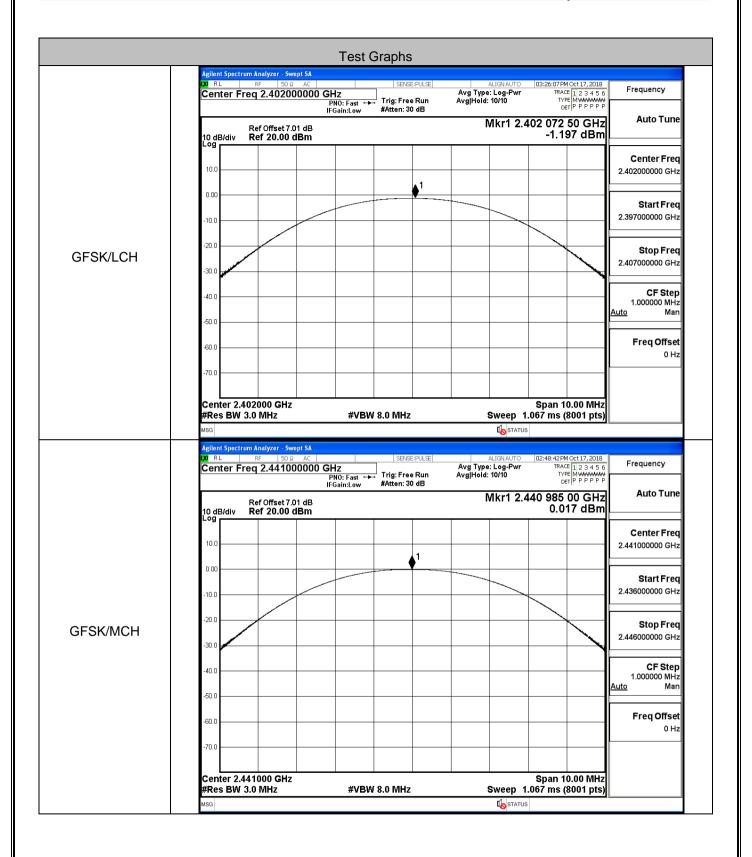
Trade Mark: Humixx Test Model: HEHZ34

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

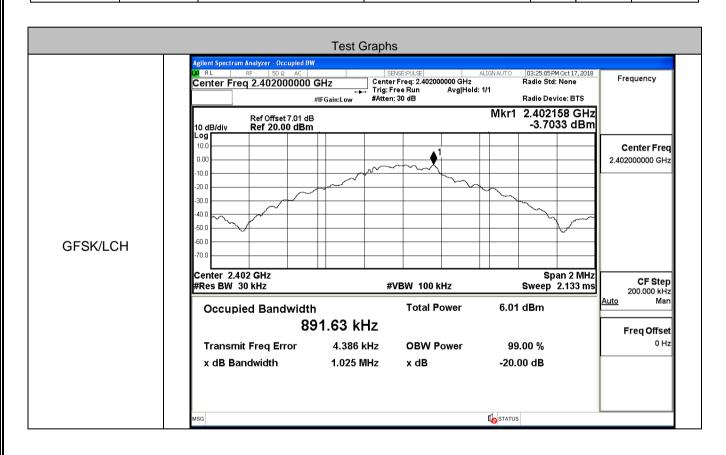
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.197	21	PASS
GFSK	MCH	0.017	21	PASS
	НСН	0.347	21	PASS
	LCH	-1.356	21	PASS
π/4DQPSK	MCH	-0.154	21	PASS
	НСН	-0.165	21	PASS
	LCH	-1.306	21	PASS
8DPSK	8DPSK MCH -0.		21	PASS
	HCH	0.223	21	PASS



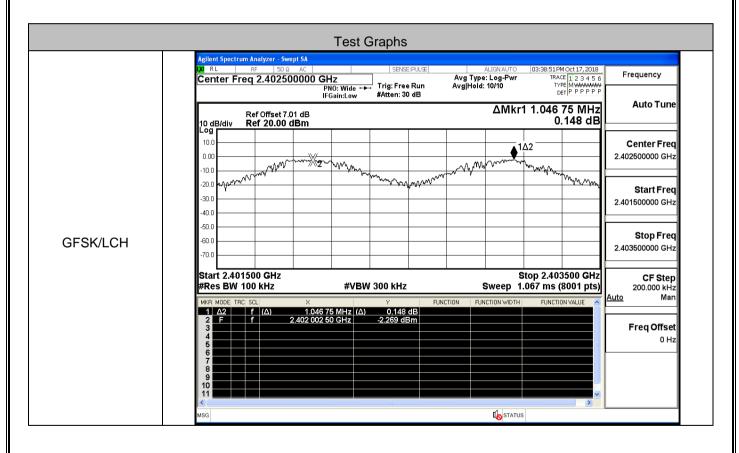
A.2 99% and 20dB Bandwidth

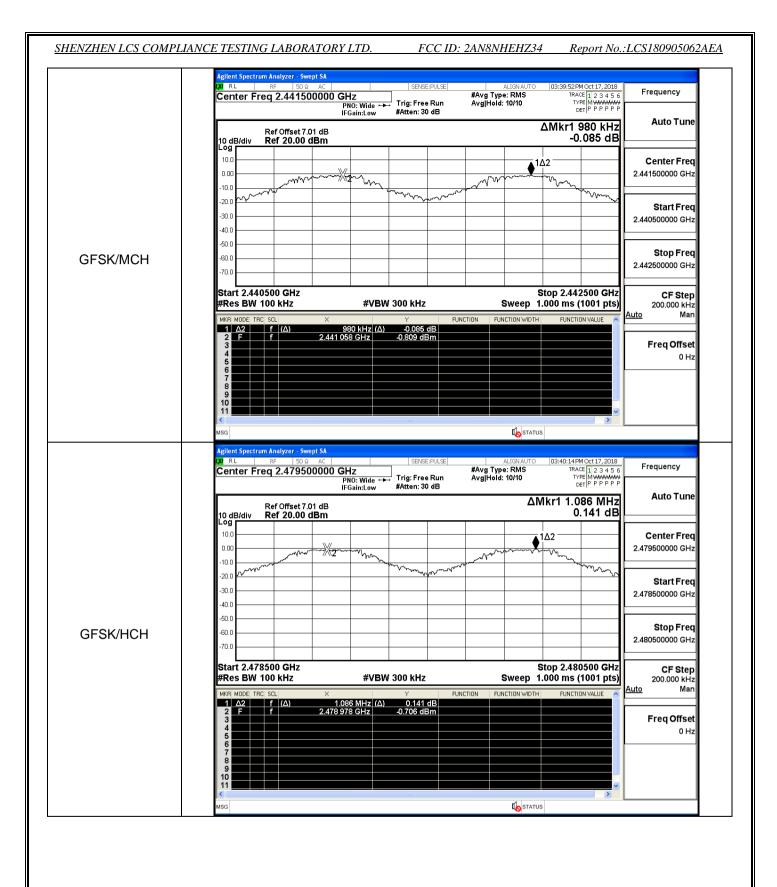
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.89163	1.025	Not Specified	PASS
GFSK	MCH	0.88820	0.9701	Not Specified	PASS
	HCH	0.88690	0.9688	Not Specified	PASS
	LCH	1.1655	1.286	Not Specified	PASS
π/4DQPSK	MCH	1.1678	1.287	Not Specified	PASS
	HCH	1.1650	1.287	Not Specified	PASS
	LCH	1.1724	1.288	Not Specified	PASS
8DPSK	DPSK MCH 1.1		1.288	Not Specified	PASS
	HCH	1.1703	1.287	Not Specified	PASS

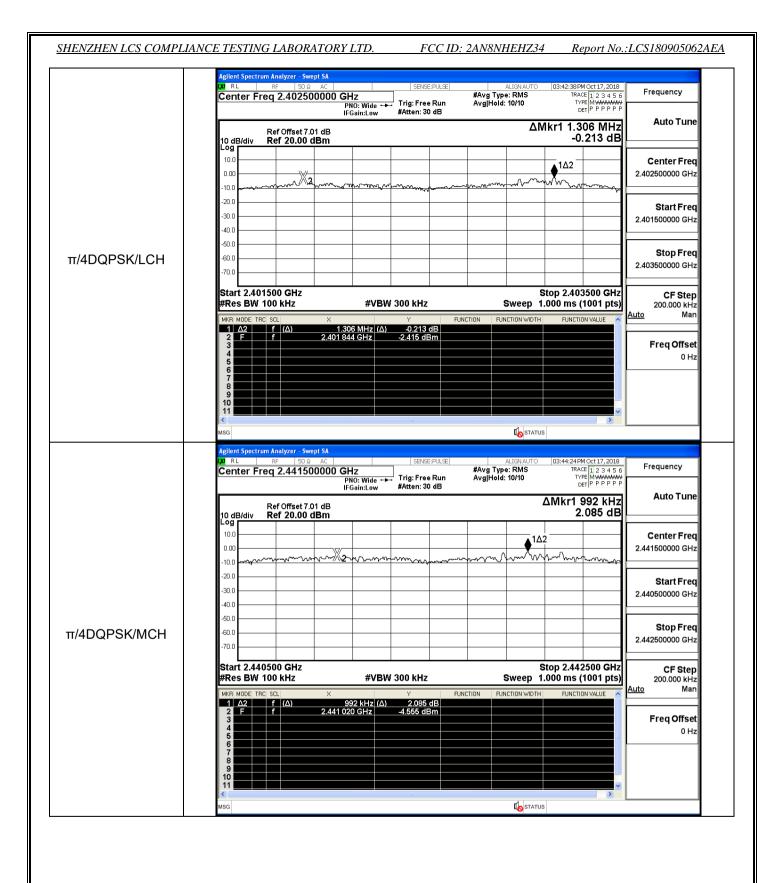


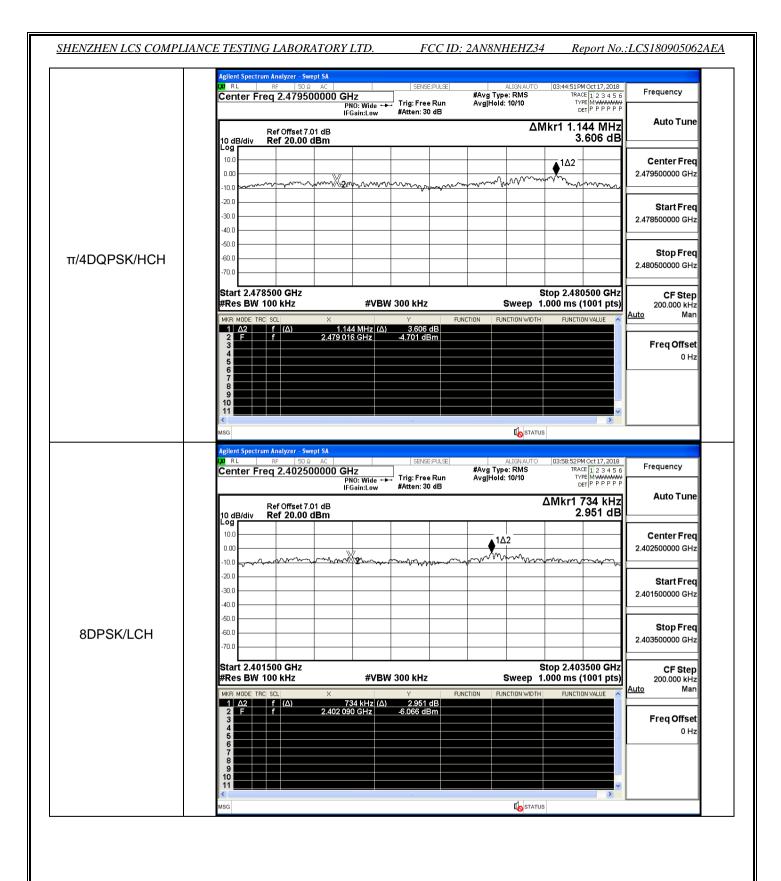
A.3 Carrier Frequency Separation

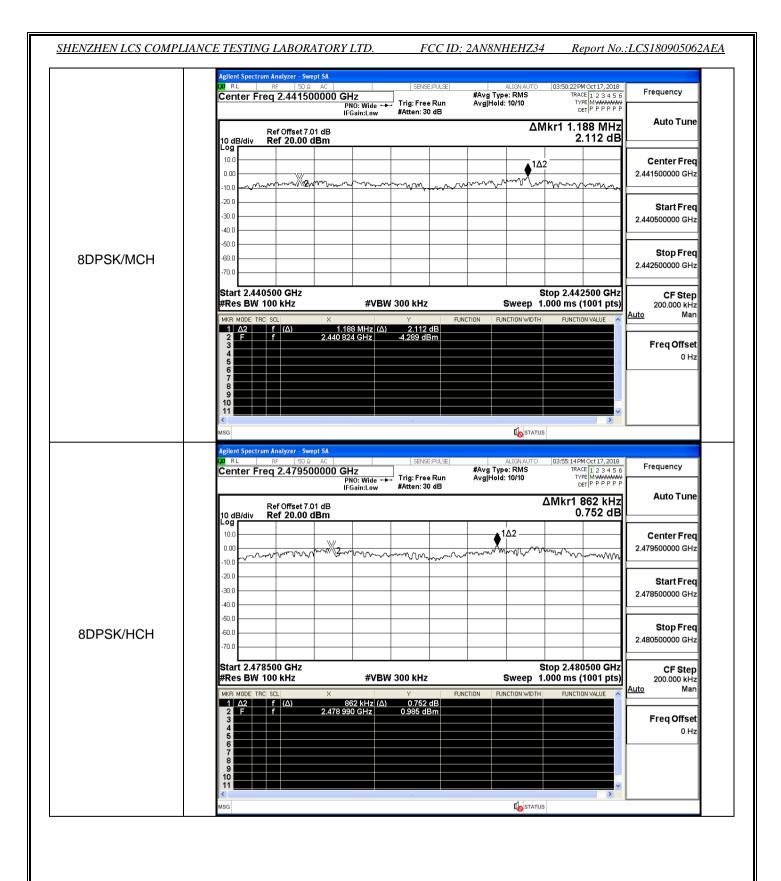
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.047	0.683	PASS
GFSK	MCH	0.980	0.683	PASS
	HCH	1.086	0.683	PASS
	LCH	1.306	0.858	PASS
π/4DQPSK	MCH	0.992	0.858	PASS
	HCH	1.144	0.858	PASS
	LCH	0.734	0.859	PASS
8DPSK	PPSK MCH 1.188		0.859	PASS
	HCH	0.862	0.859	PASS





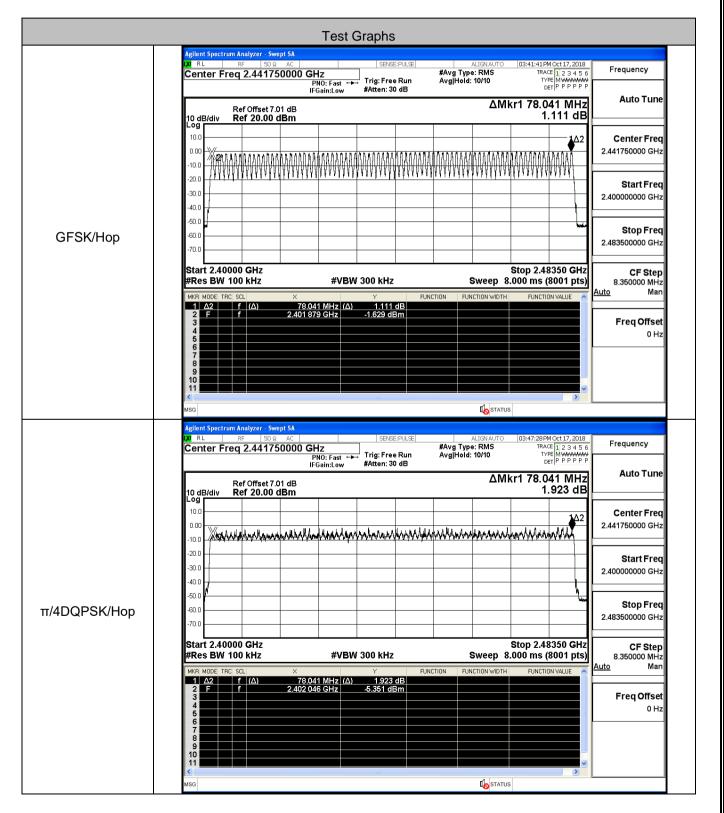






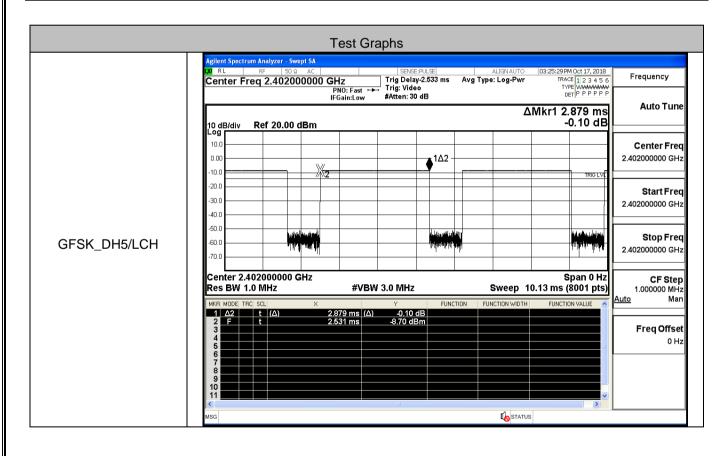
A.4 Hopping Channel Number

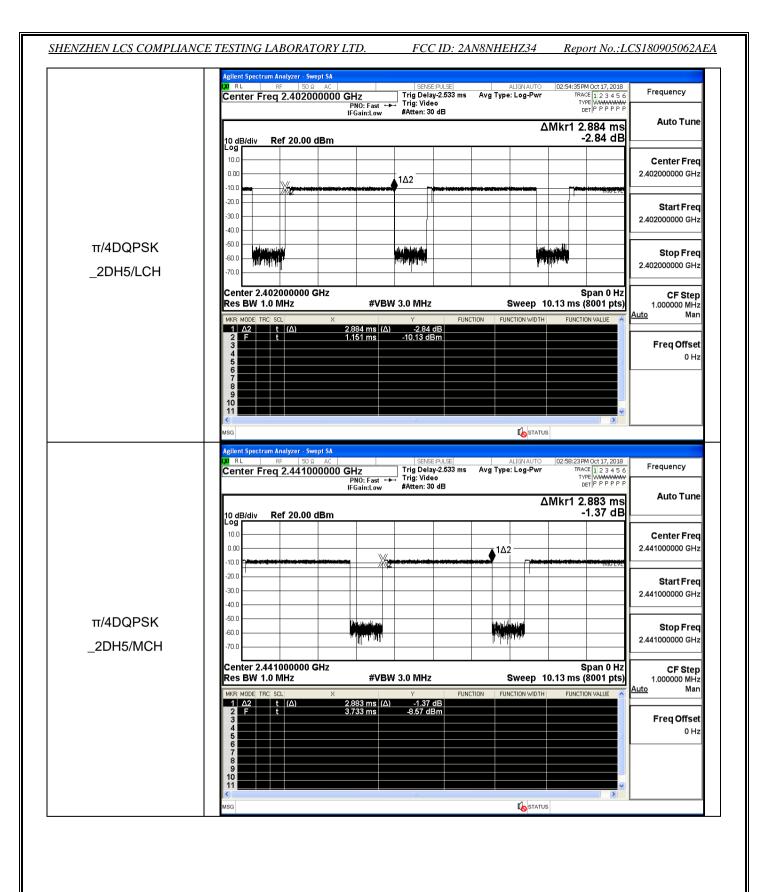
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

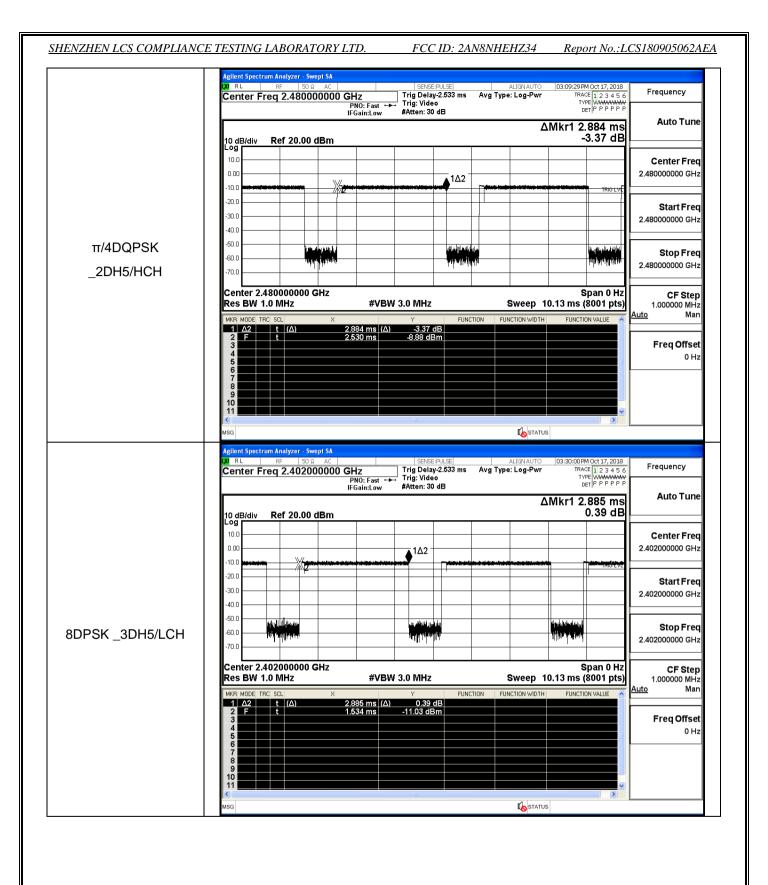


A.5 Dwell Time

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 MC		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	DQPSK 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	HCH	2.89	106.7	0.308	0.4	PASS

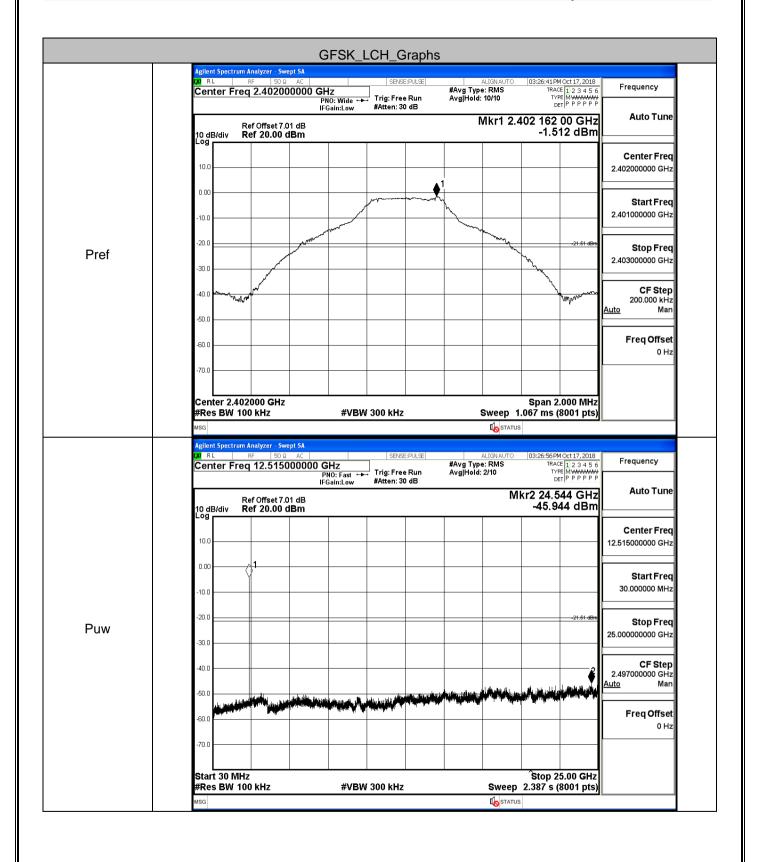


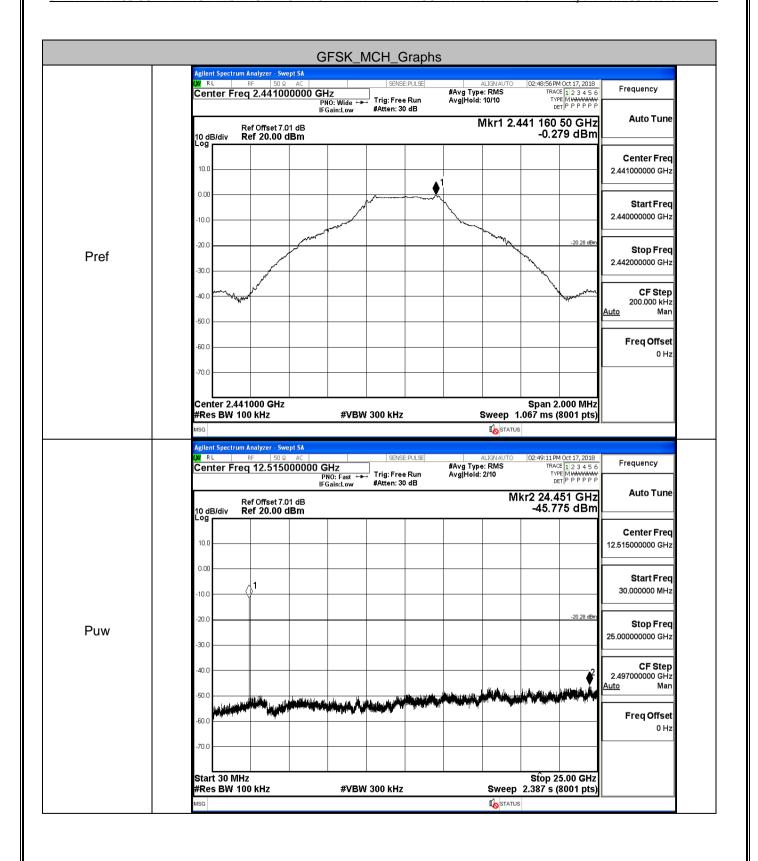


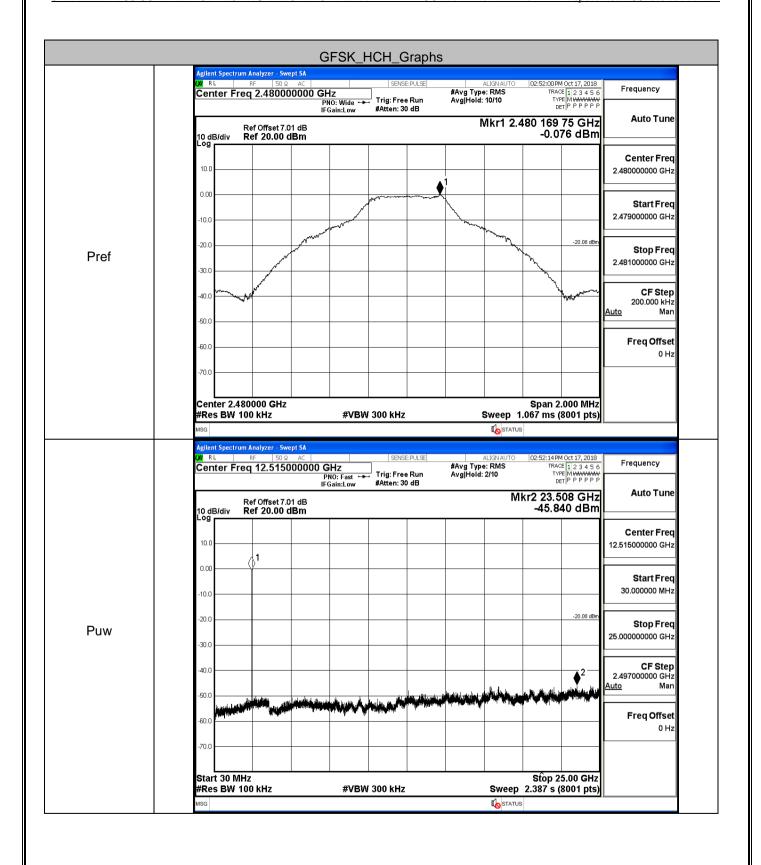


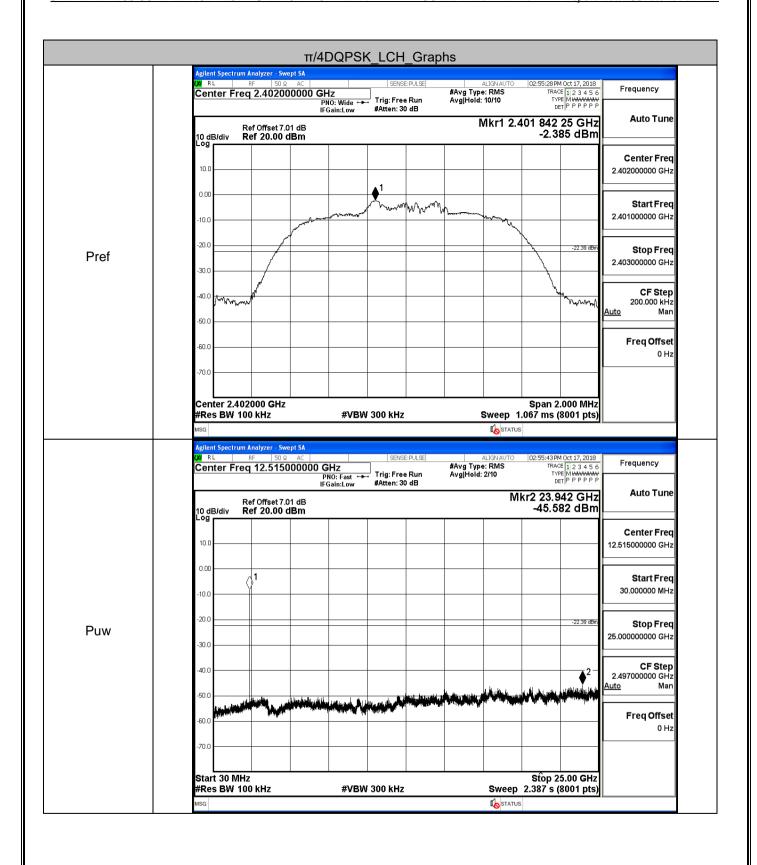
A.6 RF Conducted Spurious Emissions

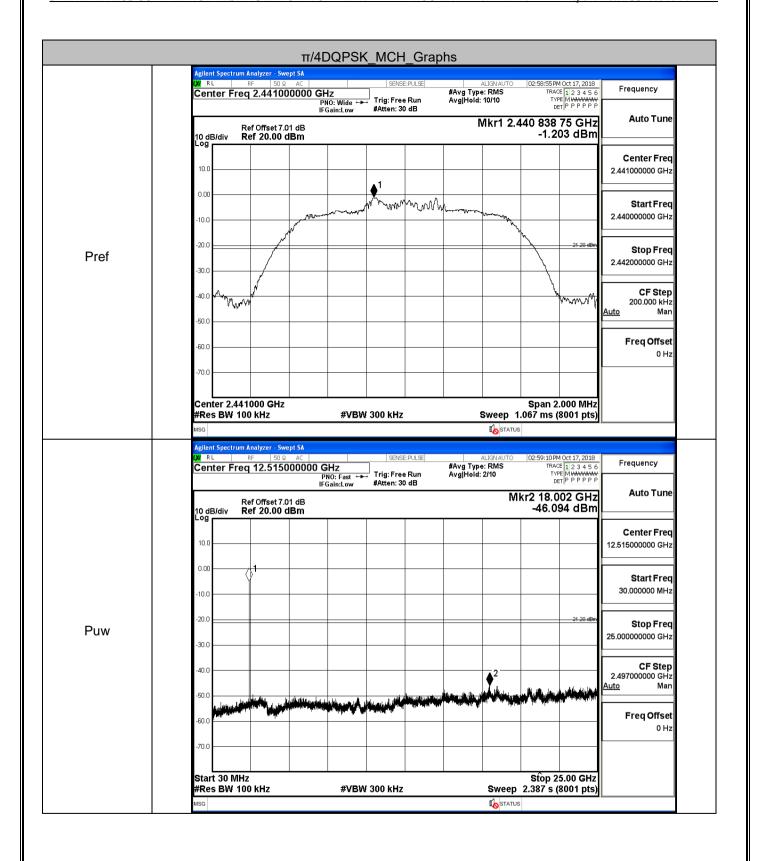
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.512	-45.944	-21.512	PASS
GFSK	MCH	-0.279	-45.775	-20.279	PASS
	HCH	-0.076	-45.840	-20.076	PASS
	LCH	-2.385	-45.582	-22.385	PASS
π/4DQPSK	MCH	-1.203	-46.094	-21.203	PASS
	HCH	-1.334	-46.210	-21.334	PASS
	LCH	-2.74	-46.231	-22.740	PASS
8DPSK	MCH	-1.2	-46.162	-21.200	PASS
	HCH	-1.134	-45.887	-21.134	PASS

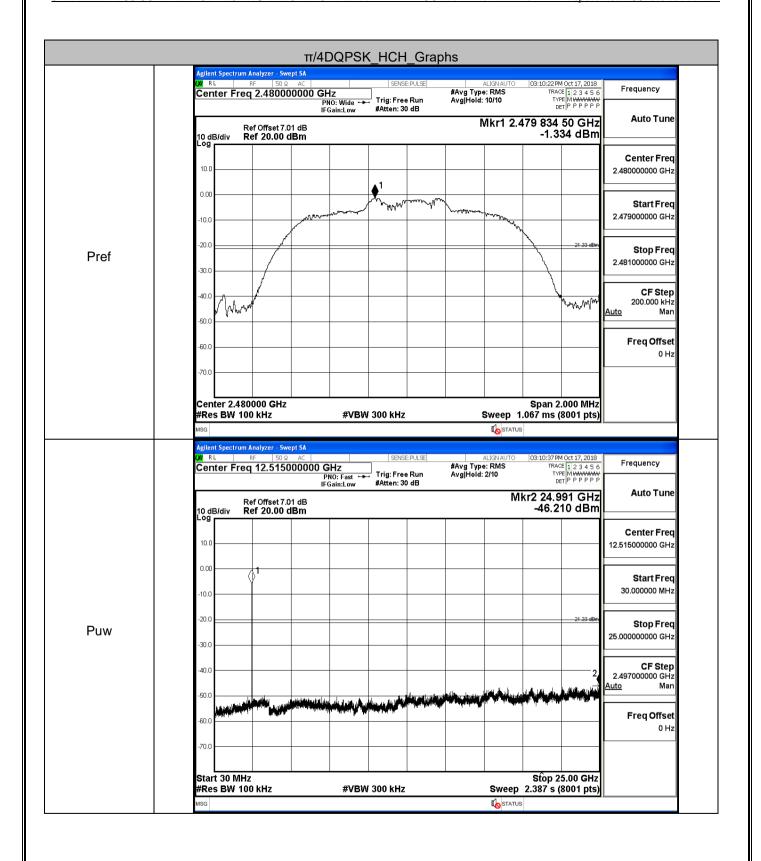


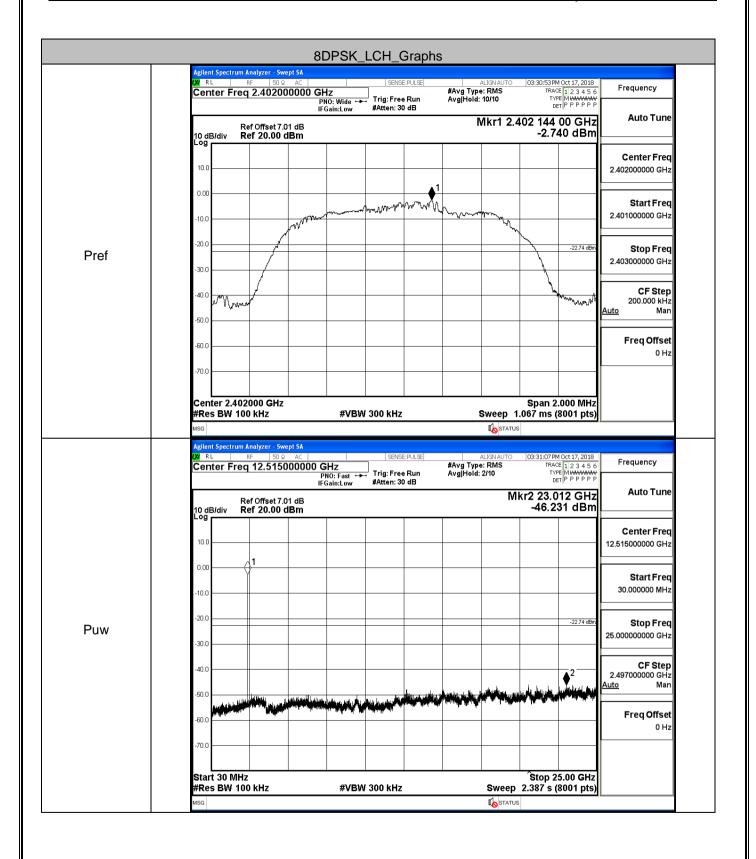


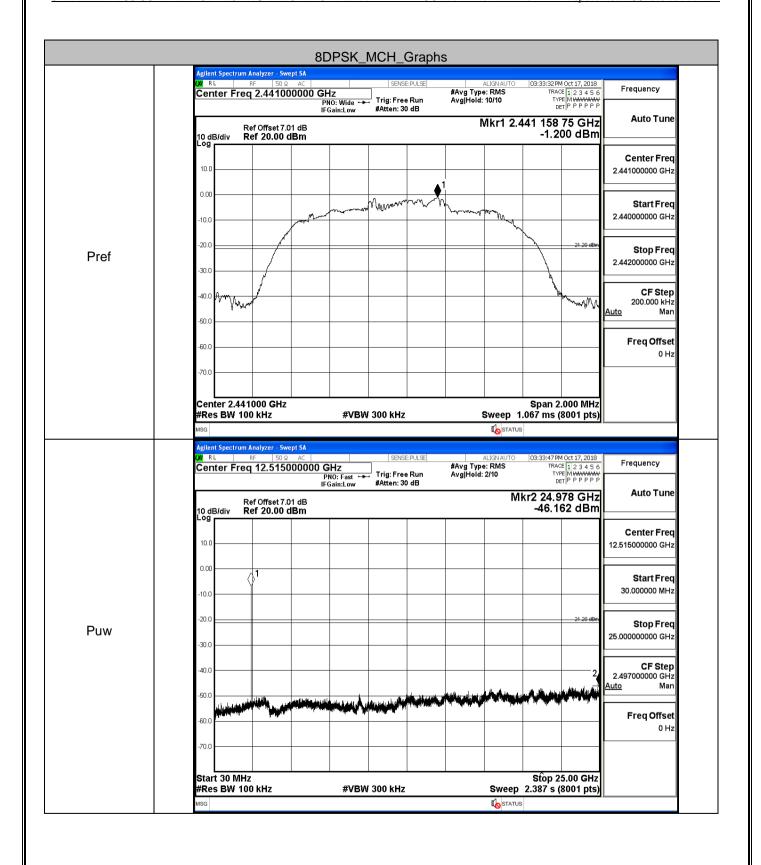


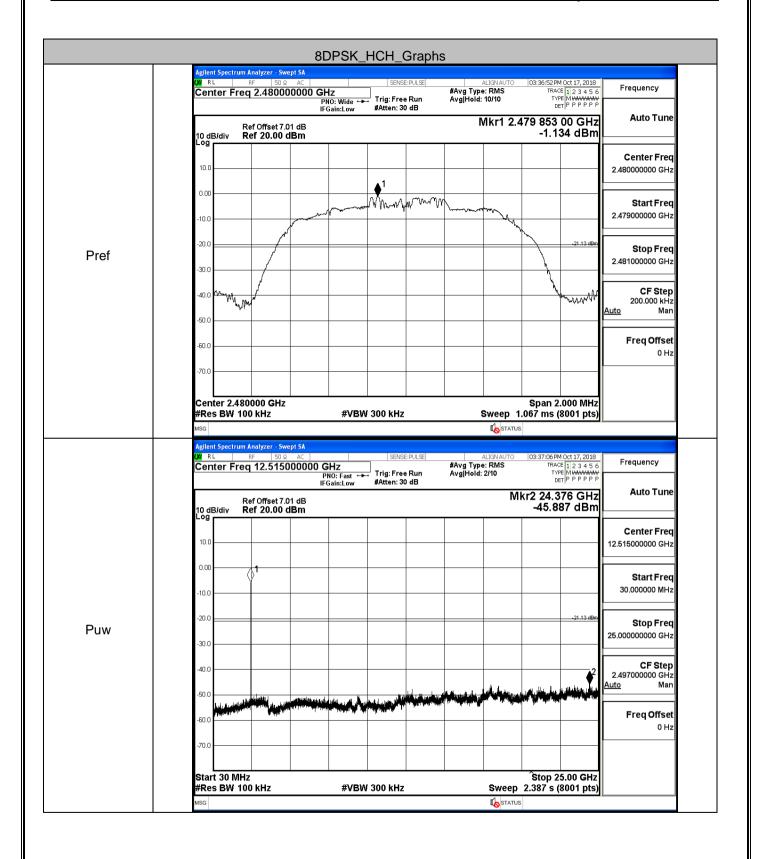






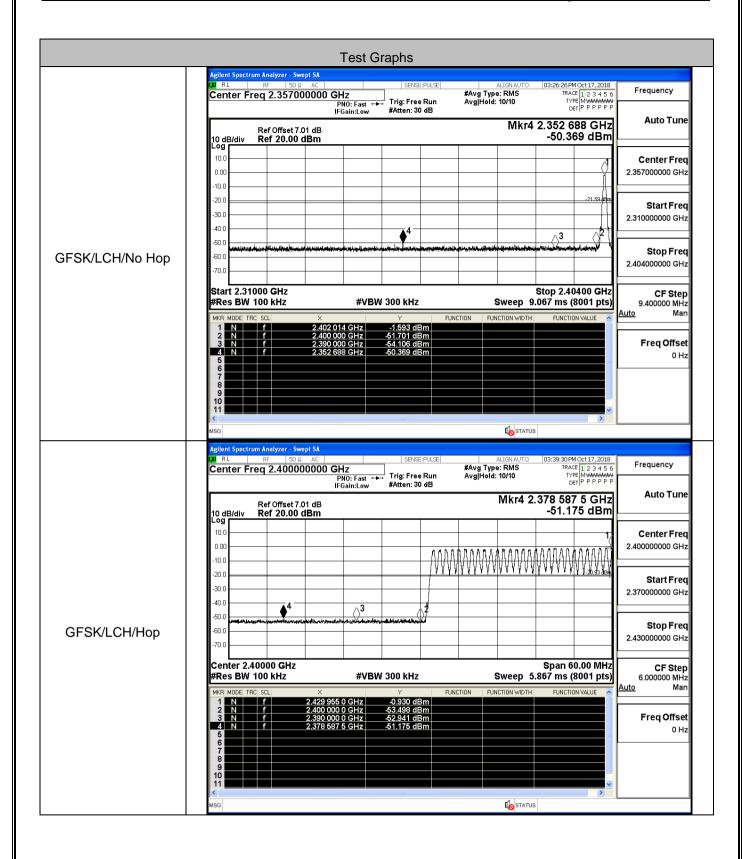


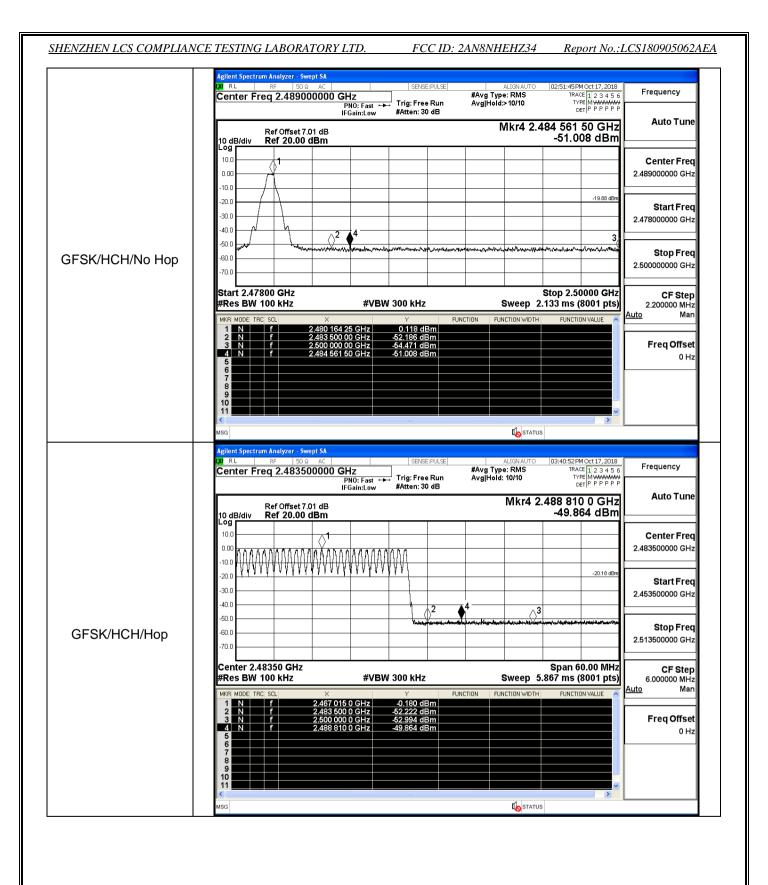


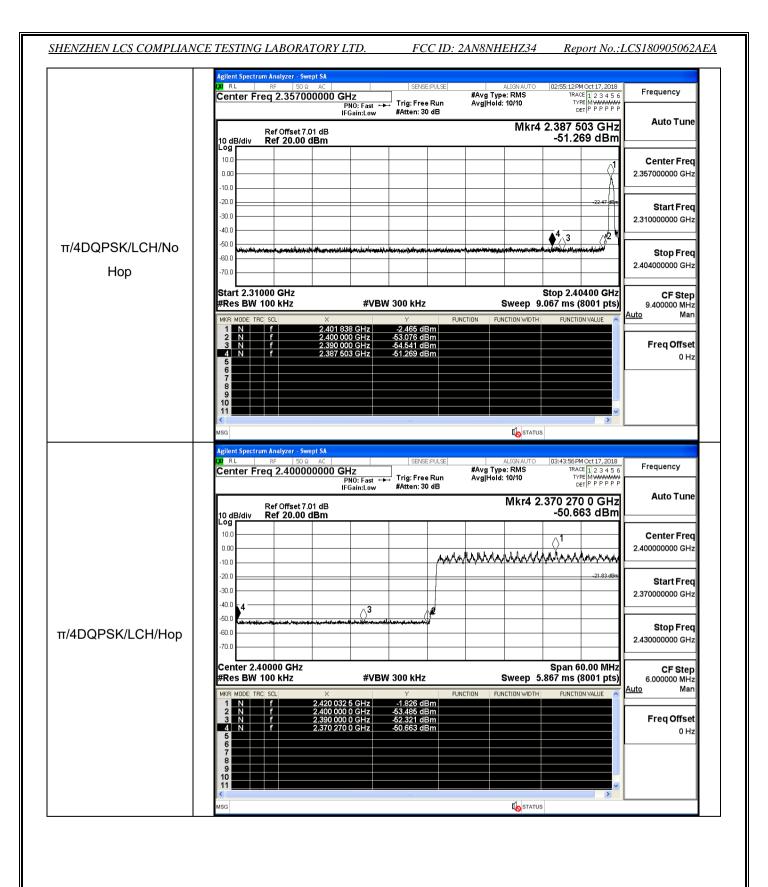


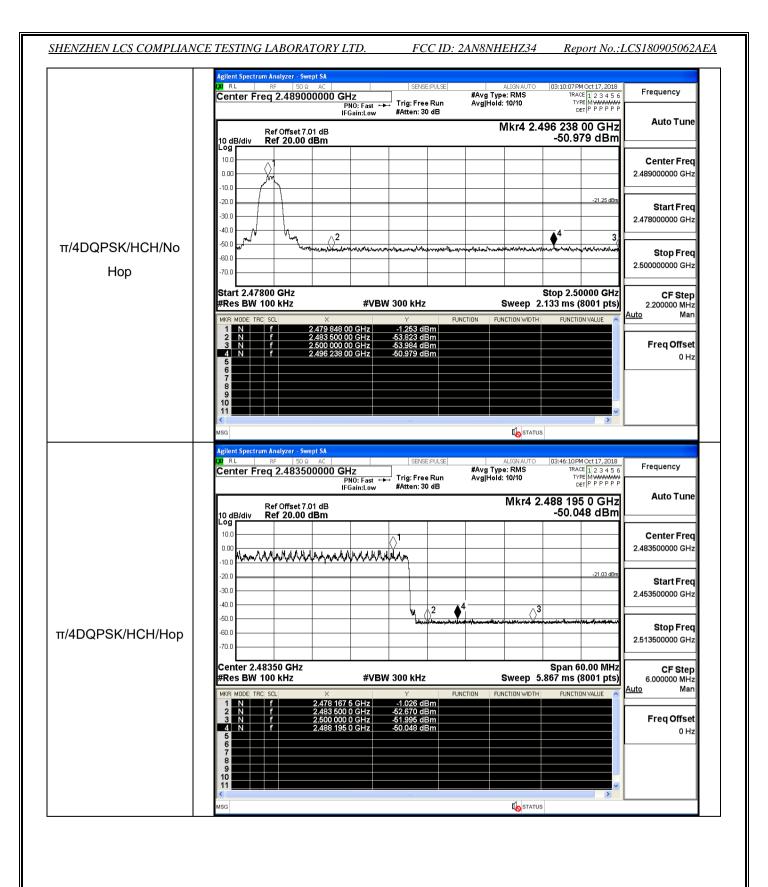
A.7 Band-edge for RF Conducted Emissions

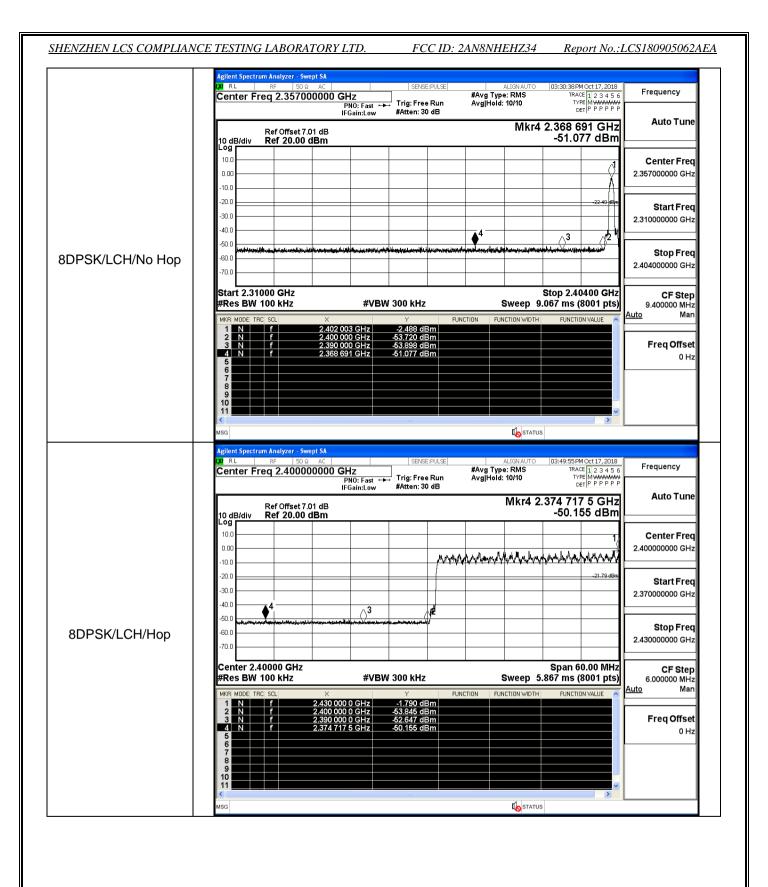
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict			
			-1.593	Off	-50.369	-21.59	PASS			
2-21/	LCH	2402	-0.930	On	-51.175	-20.93	PASS			
GFSK			0.118	Off	-51.008	-19.88	PASS			
	HCH	2480	-0.180	On	-49.864	-20.18	PASS			
	LCH					-2.465	Off	-51.269	-22.47	PASS
		2402	-1.826	On	-50.663	-21.83	PASS			
π/4DQPSK	НСН	HCH 2480	-1.253	Off	-50.979	-21.25	PASS			
			-1.026	On	-50.048	-21.03	PASS			
		LCH 2402	-2.488	Off	-51.077	-22.49	PASS			
	LCH		-1.790	On	-50.155	-21.79	PASS			
8DPSK		2.400	-0.918	Off	-51.182	-20.92	PASS			
	HCH	2480	-1.016	On	-50.079	-21.02	PASS			

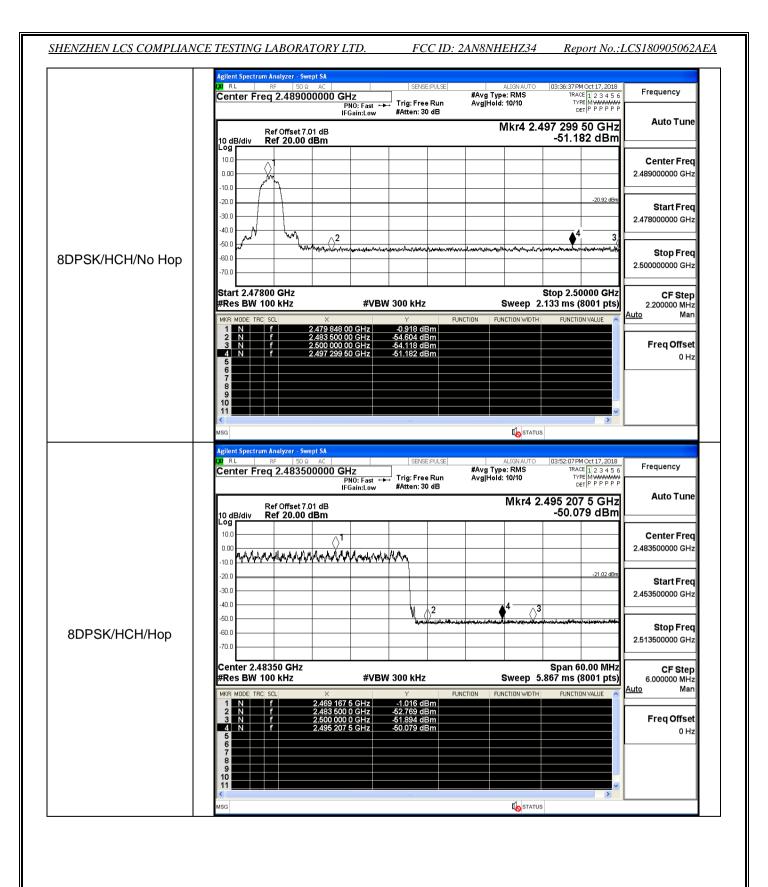






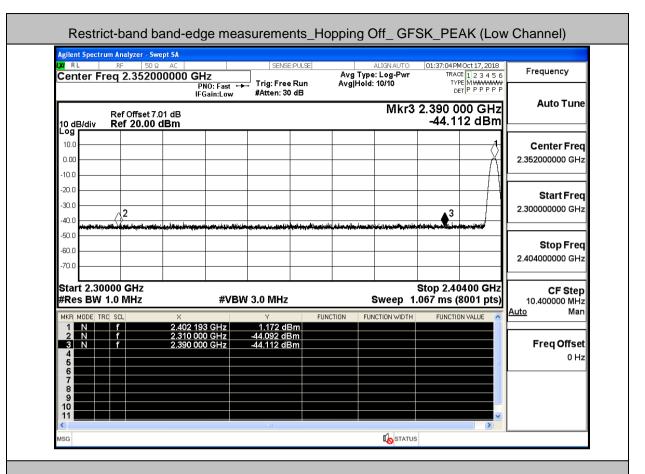




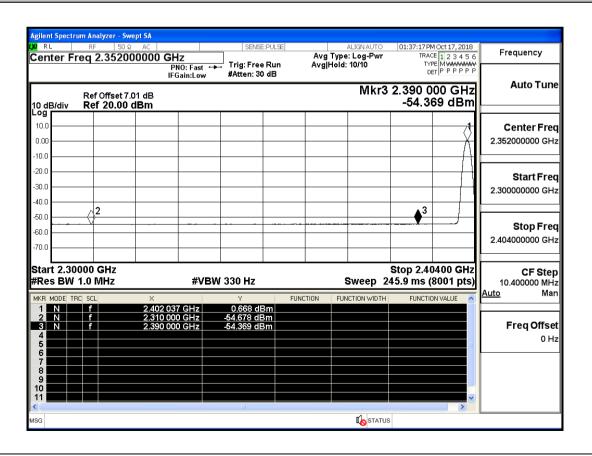


A.8 Restrict-band band-edge measurements

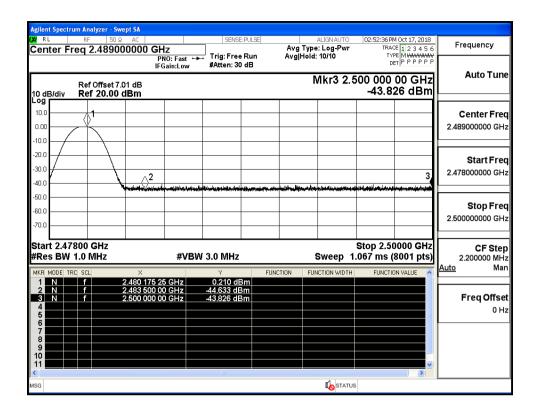
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.09	2.0	0	53.17	PEAK	74	PASS
	Off	2310.0	-54.68	2.0	0	42.58	AV	54	PASS
	Off	2390.0	-44.11	2.0	0	53.15	PEAK	74	PASS
	Off	2390.0	-54.37	2.0	0	42.89	AV	54	PASS
GFSK	Off	2483.5	-44.63	2.0	0	50.62	PEAK	74	PASS
	Off	2483.5	-54.27	2.0	0	40.99	AV	54	PASS
	Off	2500.0	-43.83	2.0	0	51.43	PEAK	74	PASS
	Off	2500.0	-54.08	2.0	0	41.18	AV	54	PASS
	Off	2310.0	-42.69	2.0	0	52.57	PEAK	74	PASS
	Off	2310.0	-54.60	2.0	0	40.66	AV	54	PASS
	Off	2390.0	-44.29	2.0	0	50.97	PEAK	74	PASS
	Off	2390.0	-54.28	2.0	0	40.98	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.58	2.0	0	50.68	PEAK	74	PASS
	Off	2483.5	-54.16	2.0	0	41.10	AV	54	PASS
	Off	2500.0	-43.91	2.0	0	51.34	PEAK	74	PASS
	Off	2500.0	-54.13	2.0	0	41.13	AV	54	PASS
	Off	2310.0	-45.35	2.0	0	49.91	PEAK	74	PASS
	Off	2310.0	-54.74	2.0	0	40.52	AV	54	PASS
	Off	2390.0	-44.74	2.0	0	50.52	PEAK	74	PASS
	Off	2390.0	-54.52	2.0	0	40.74	AV	54	PASS
8DPSK	Off	2483.5	-44.04	2.0	0	51.22	PEAK	74	PASS
	Off	2483.5	-54.14	2.0	0	41.11	AV	54	PASS
	Off	2500.0	-43.36	2.0	0	51.90	PEAK	74	PASS
	Off	2500.0	-54.10	2.0	0	41.16	AV	54	PASS



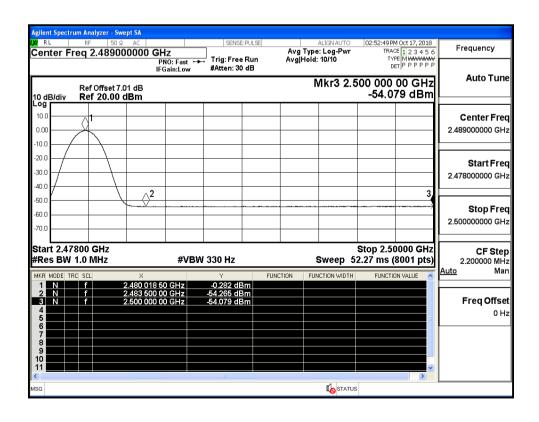
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



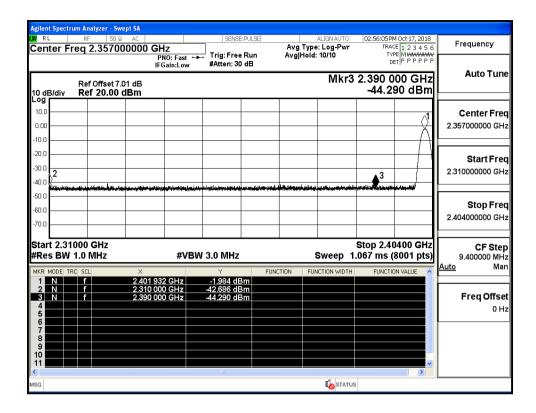
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



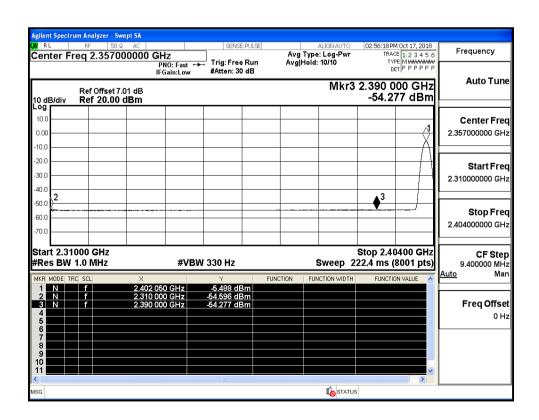
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



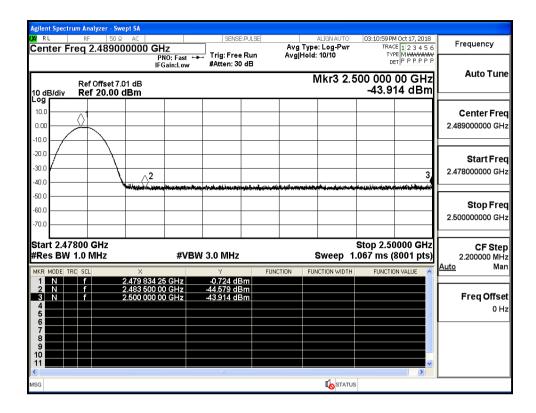
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



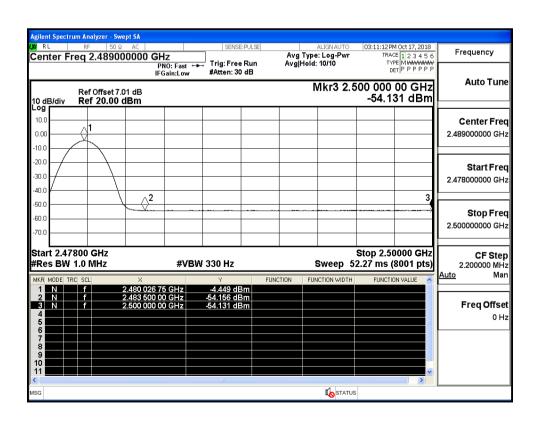
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



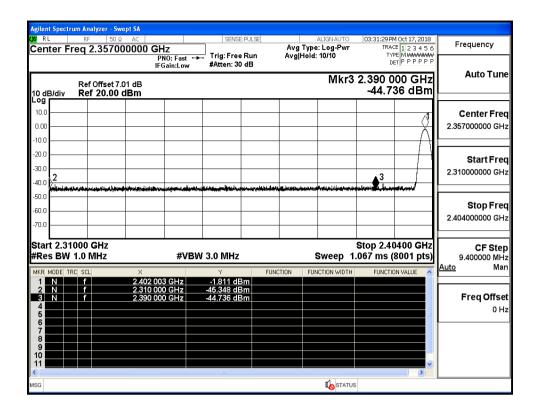
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



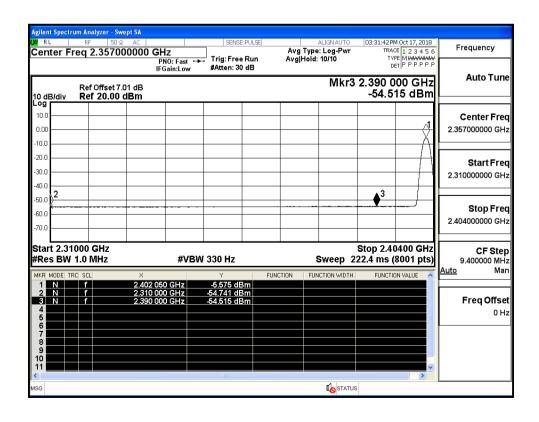
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



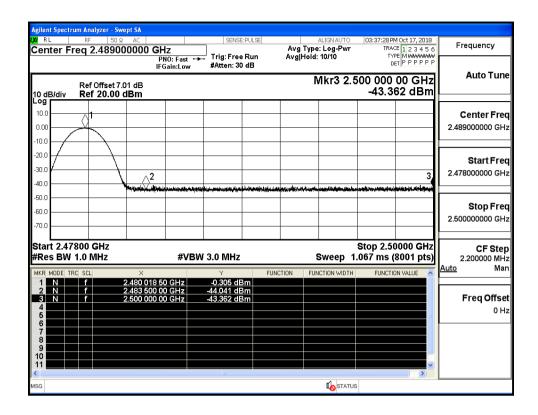
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

