Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

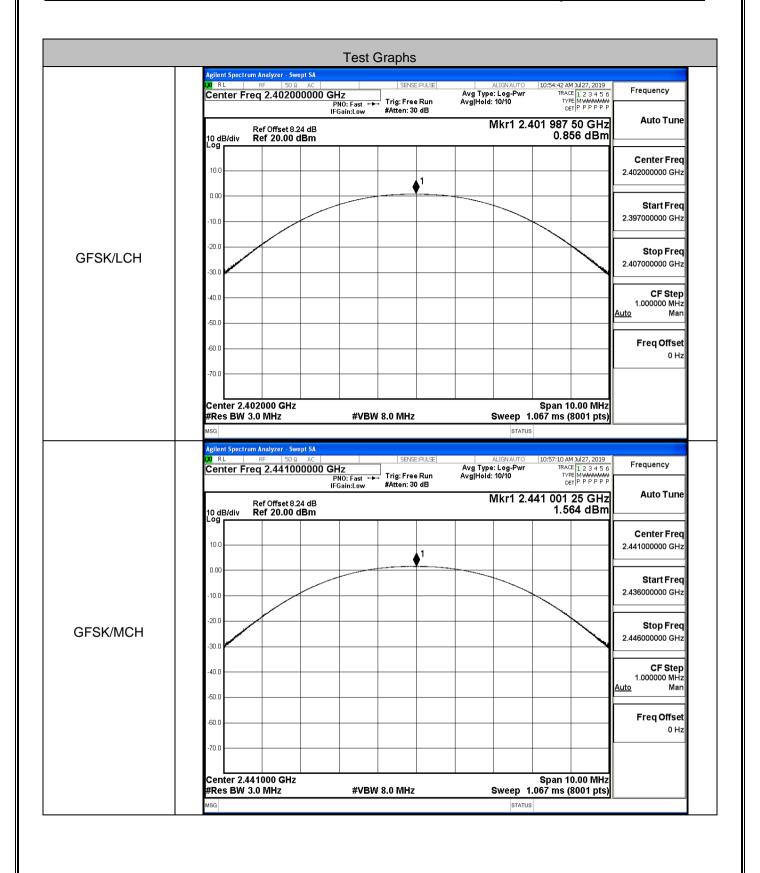
Product Name: BT510ANC On Ear Wireless Headphone Trade Mark: Monoprice, IIIP Test Model: 34439

Environmental Conditions

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Temperature:	24.5 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	JERRY.ZENG
Supervised by:	Wang.Chuang

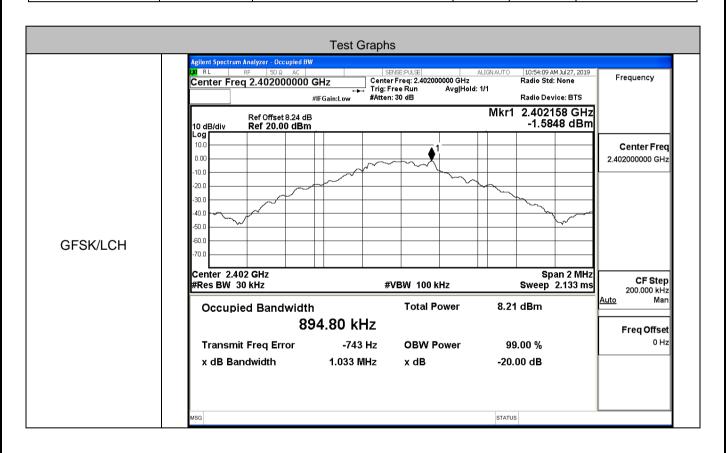
A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.856	30	PASS
GFSK	MCH	1.564	30	PASS
	НСН	0.228	30	PASS
	LCH	0.054	21	PASS
π/4DQPSK	MCH	0.737	21	PASS
	НСН	-0.556	21	PASS
	LCH	0.162	21	PASS
8DPSK	BDPSK MCH 0.911		21	PASS
	HCH	-0.424	21	PASS



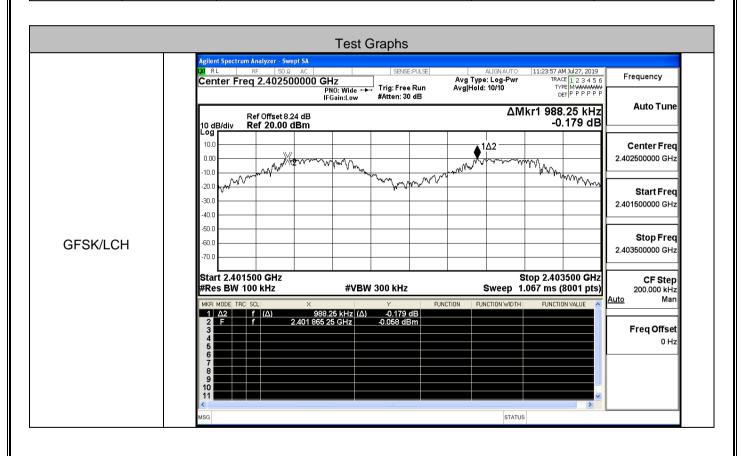
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.033	Not Specified	PASS
GFSK	MCH	1.037	Not Specified	PASS
	НСН	1.035	Not Specified	PASS
	LCH	1.289	Not Specified	PASS
π/4DQPSK	MCH	1.290	Not Specified	PASS
	HCH	1.287	Not Specified	PASS
	LCH	1.291	Not Specified	PASS
8DPSK	MCH	1.293	Not Specified	PASS
	НСН	1.294	Not Specified	PASS

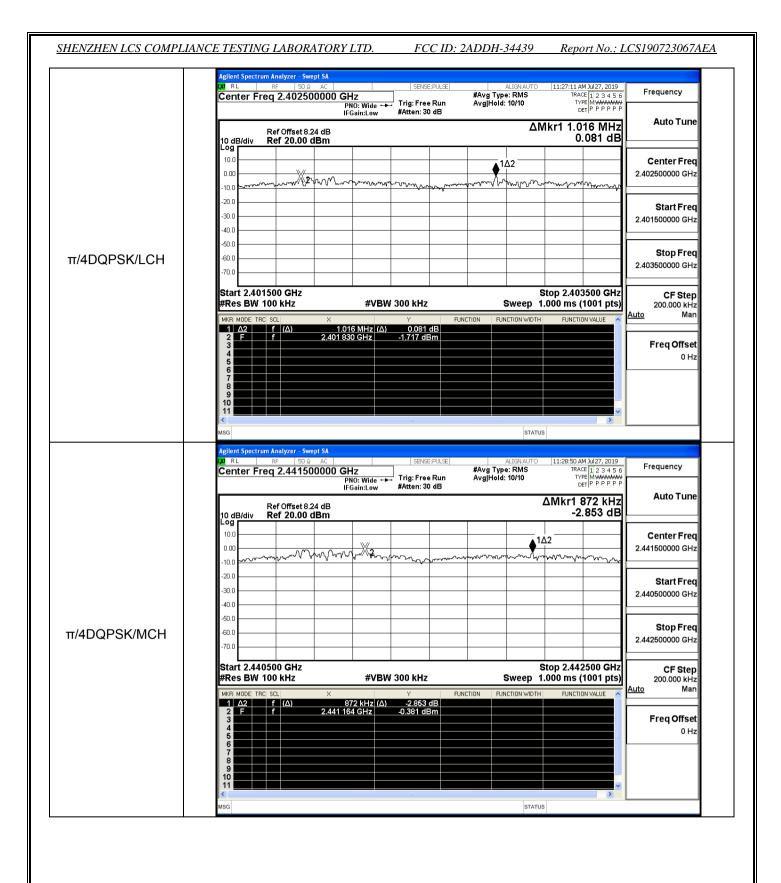


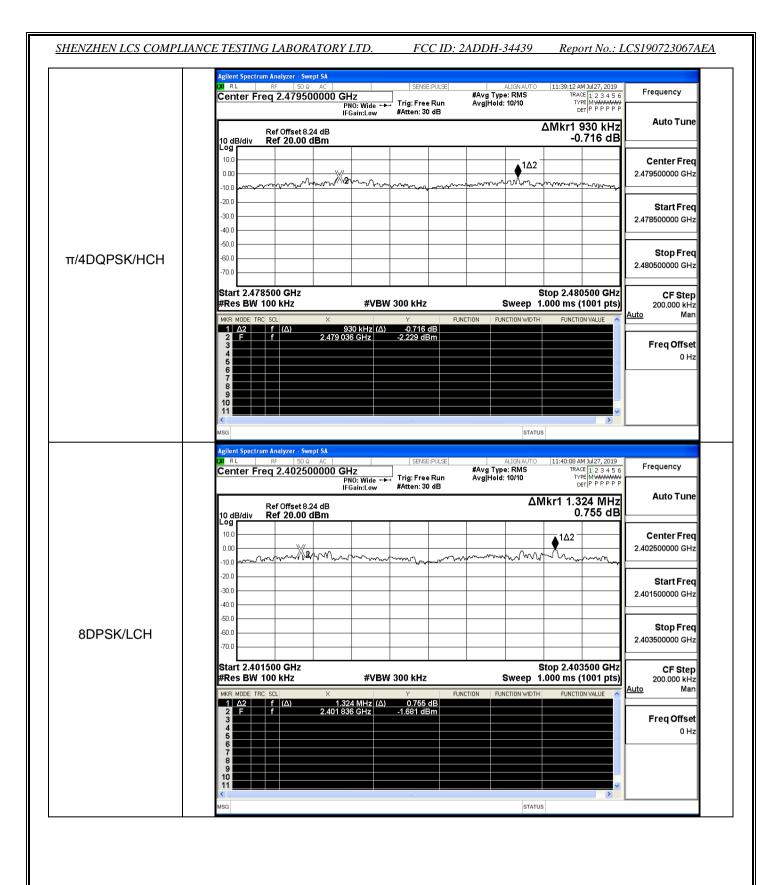
A.3 Carrier Frequency Separation

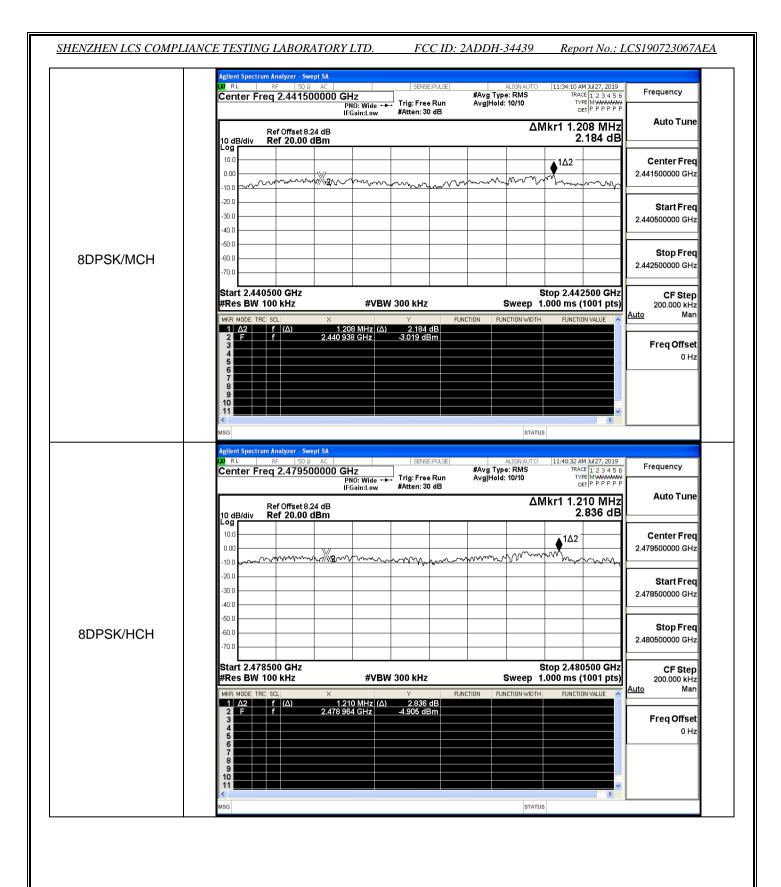
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.988	0.691	PASS
GFSK	MCH	1.110	0.691	PASS
	HCH	1.038	0.691	PASS
	LCH	1.016	0.860	PASS
π/4DQPSK	MCH	0.872	0.860	PASS
	HCH	0.930	0.860	PASS
	LCH	1.324	0.863	PASS
8DPSK	MCH	1.208	0.863	PASS
	HCH	1.210	0.863	PASS





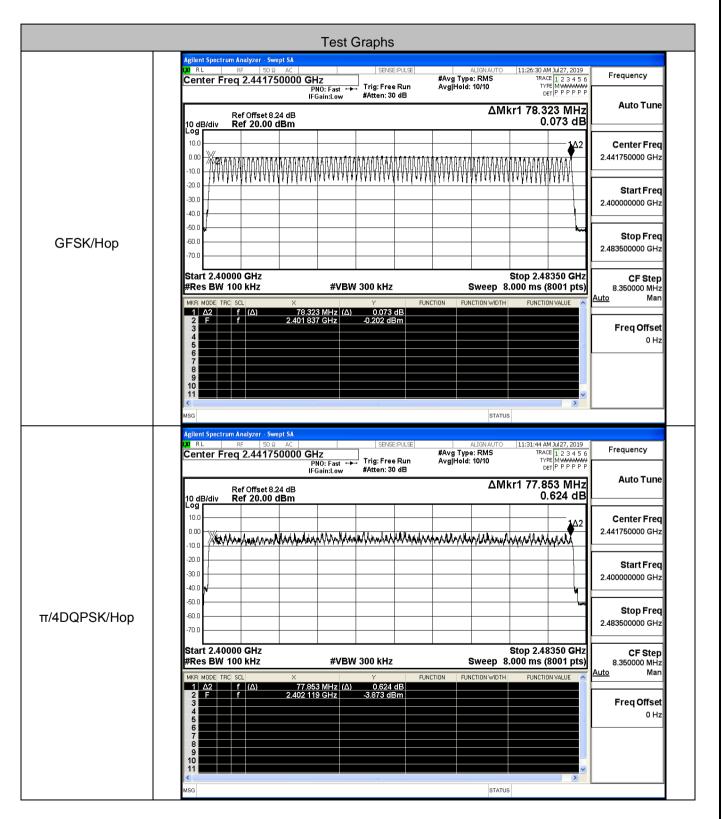






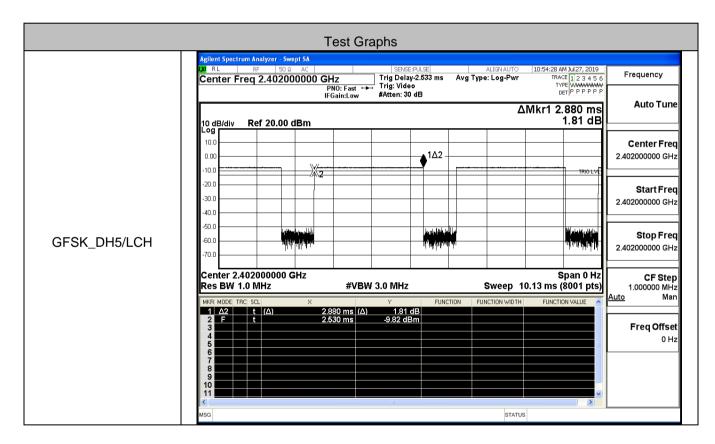
A.4 Hopping Channel Number

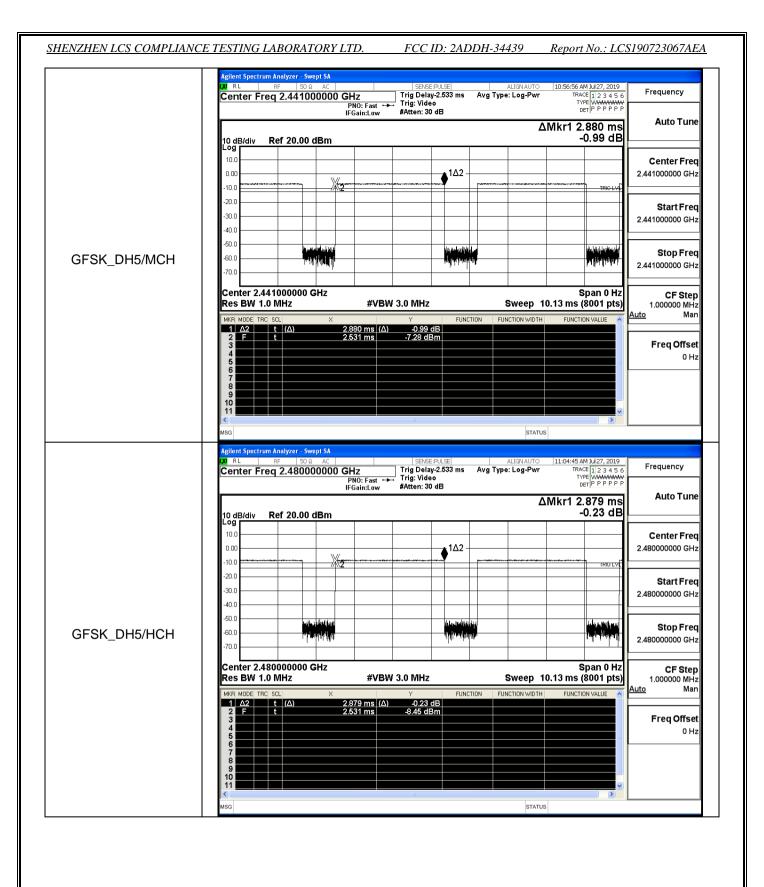
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK Hop		79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

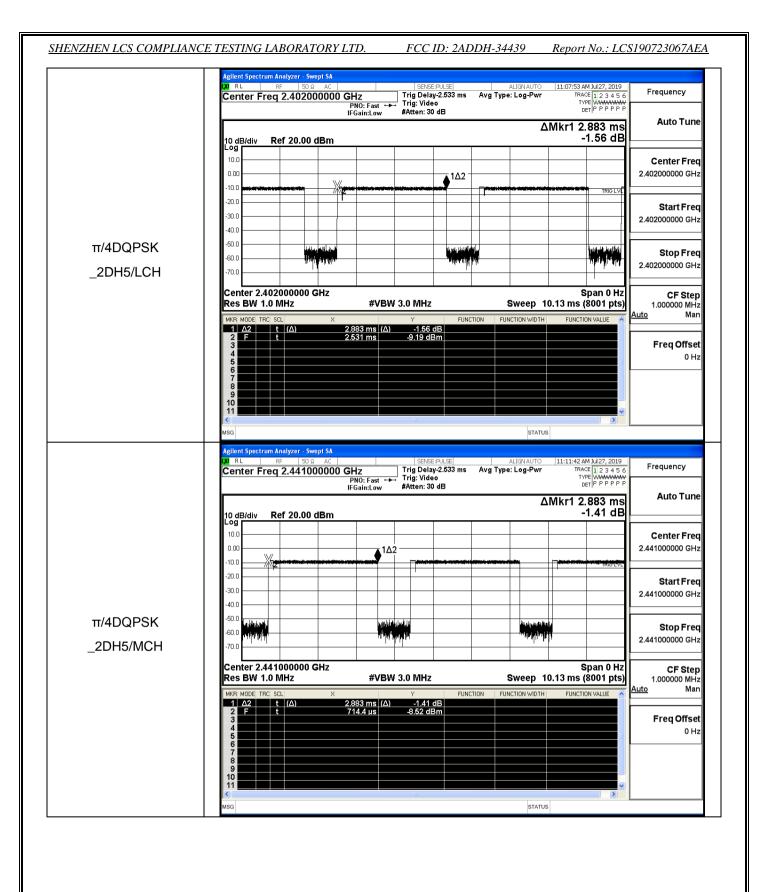


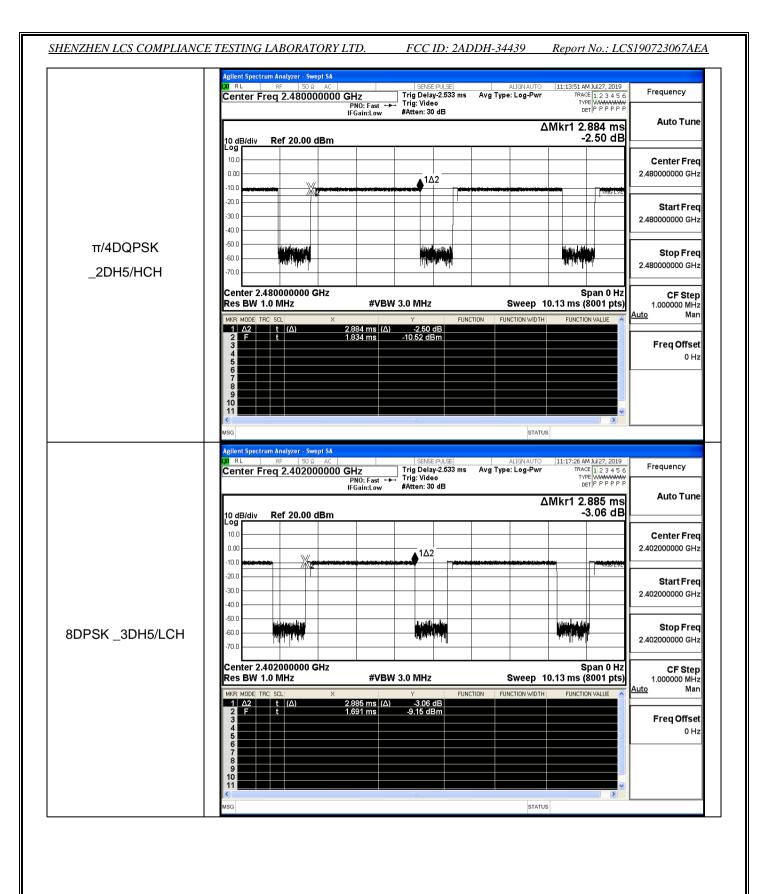
A.5 Dwell Time

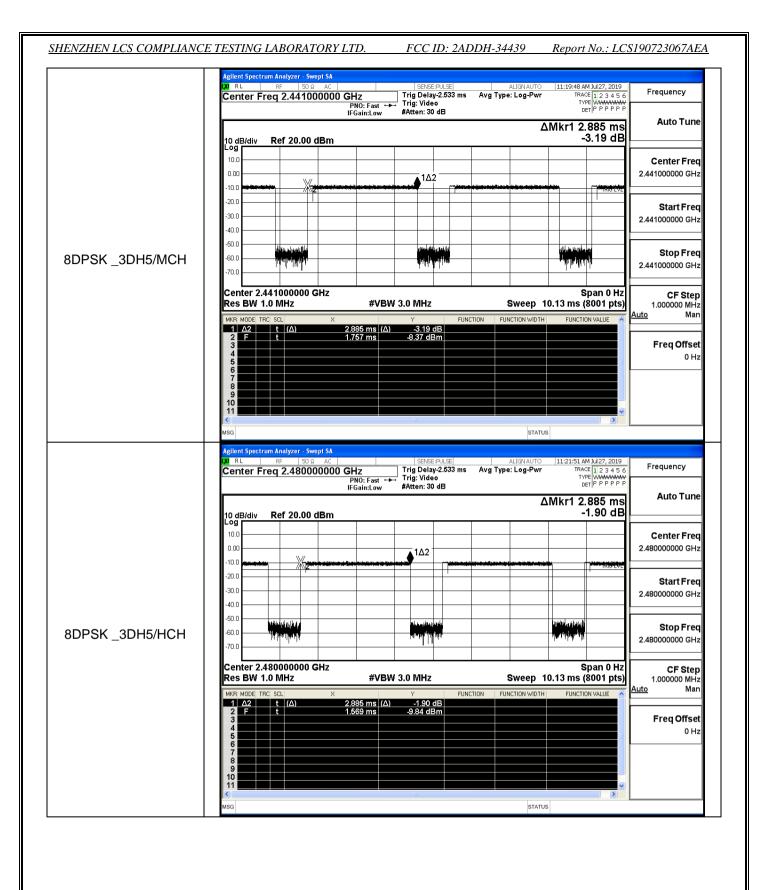
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





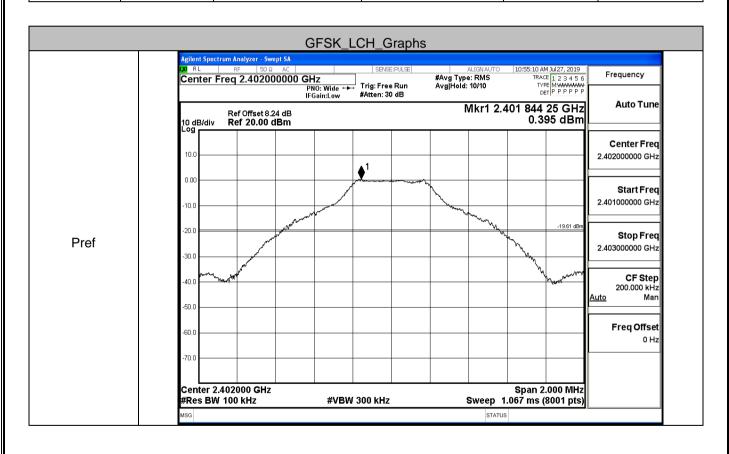


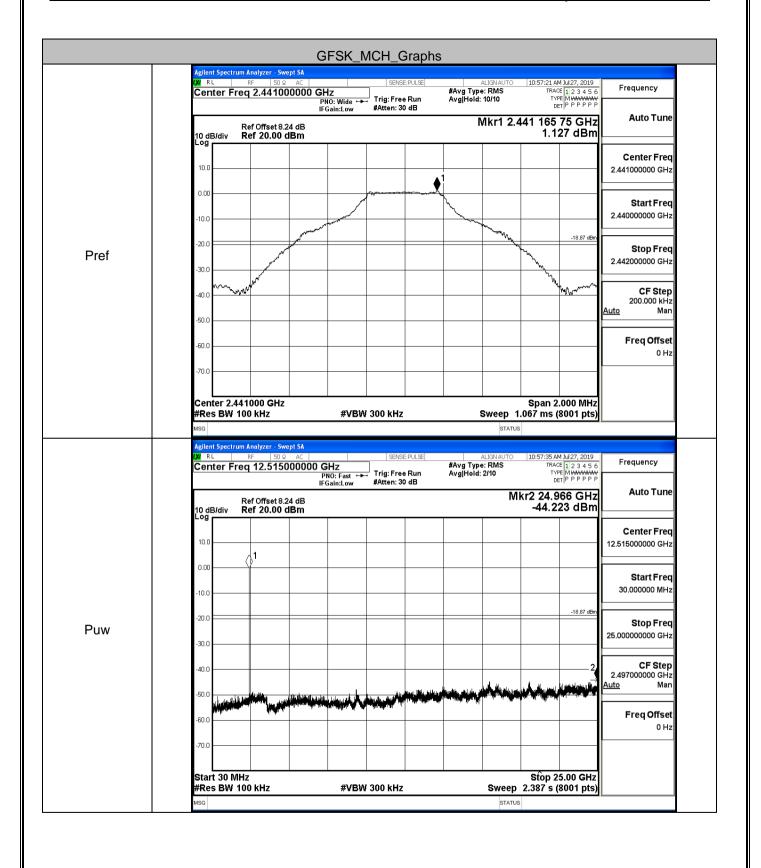


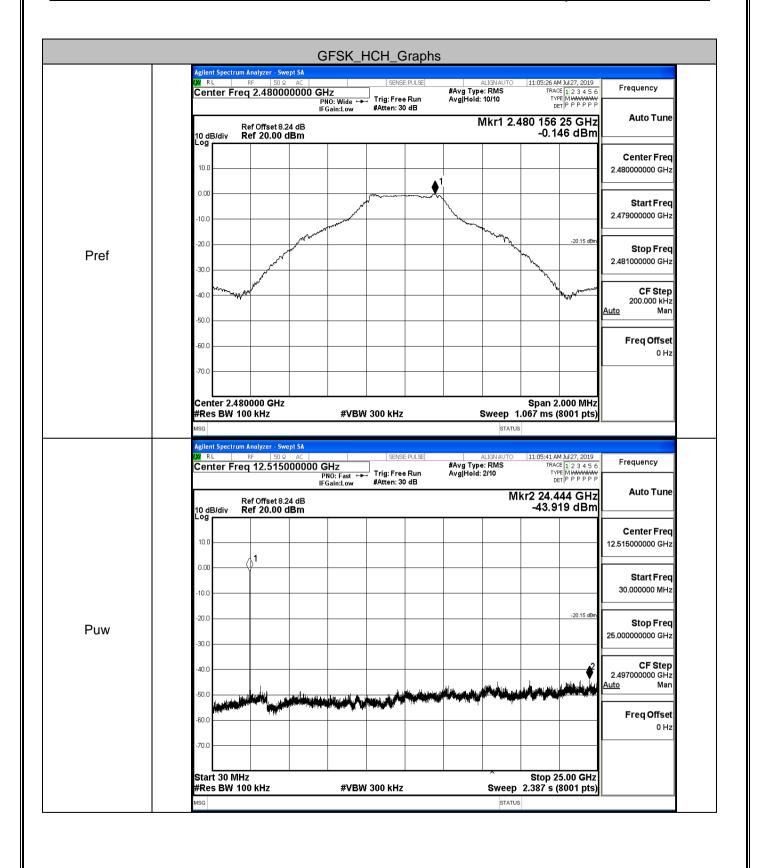


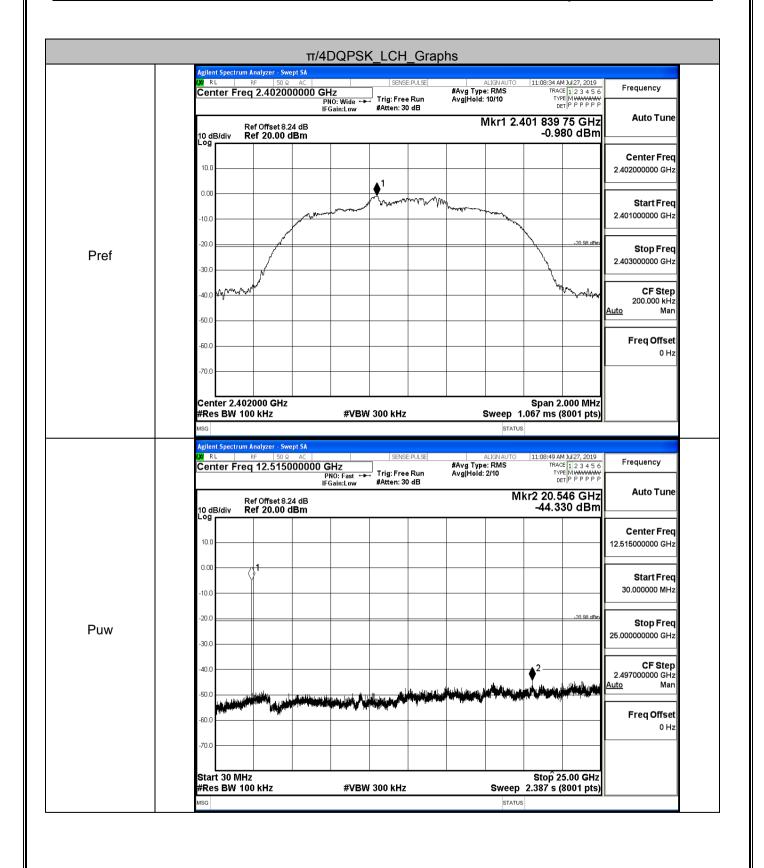
A.6 RF Conducted Spurious Emissions

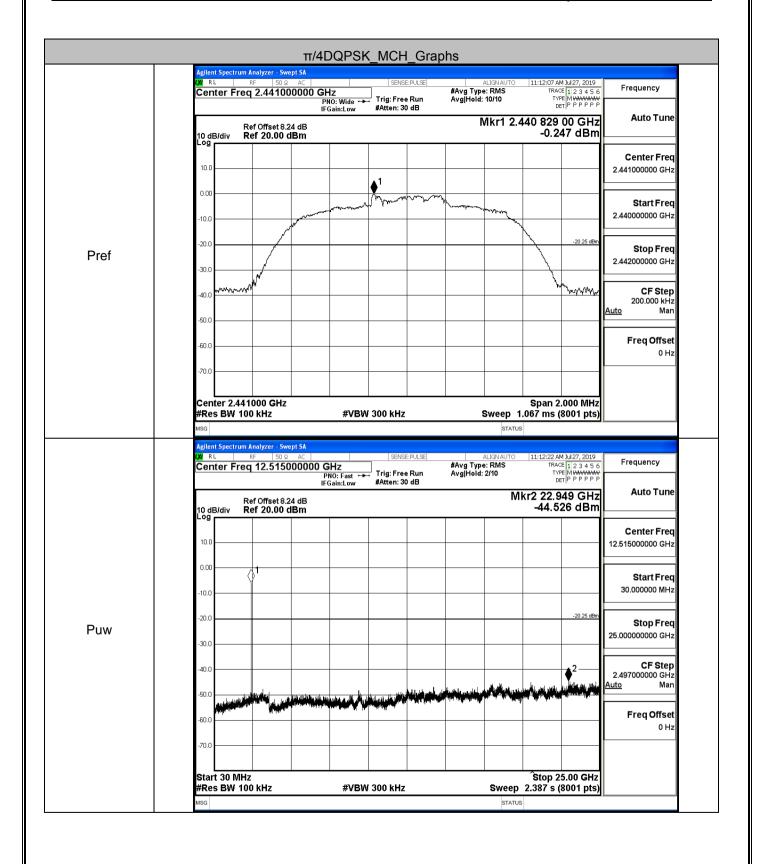
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.395	-44.806	-19.605	PASS
GFSK	MCH	1.127	-44.223	-18.873	PASS
	HCH	-0.146	-43.919	-20.146	PASS
	LCH	-0.98	-44.330	-20.980	PASS
π/4DQPSK	MCH	-0.247	-44.526	-20.247	PASS
	НСН	-1.565	-45.182	-21.565	PASS
	LCH	-0.909	-42.807	-20.909	PASS
8DPSK	MCH	-0.16	-44.880	-20.160	PASS
	НСН	-1.527	-43.797	-21.527	PASS

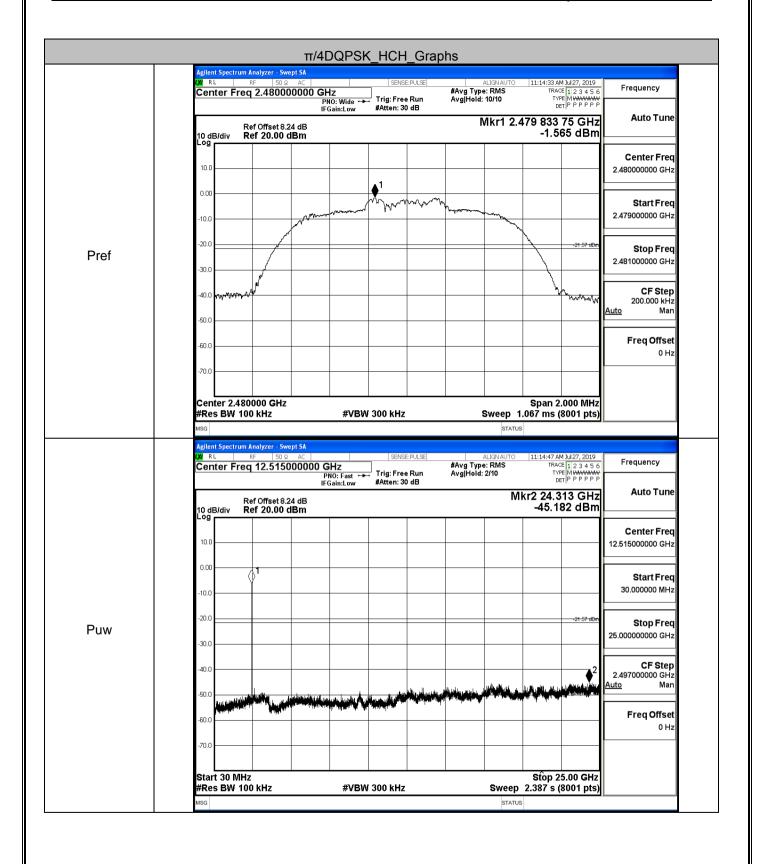


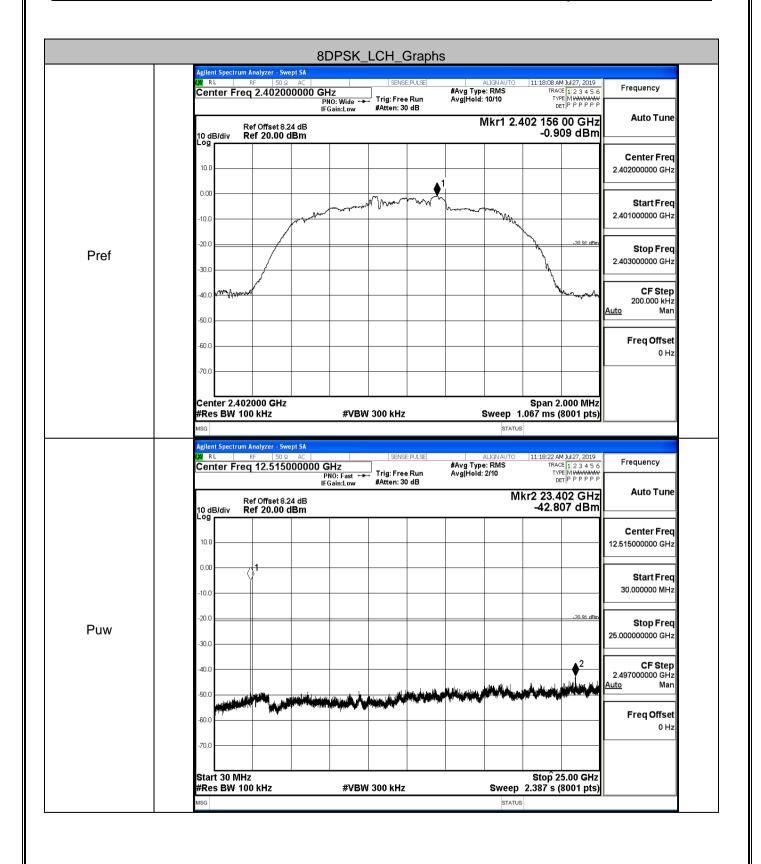


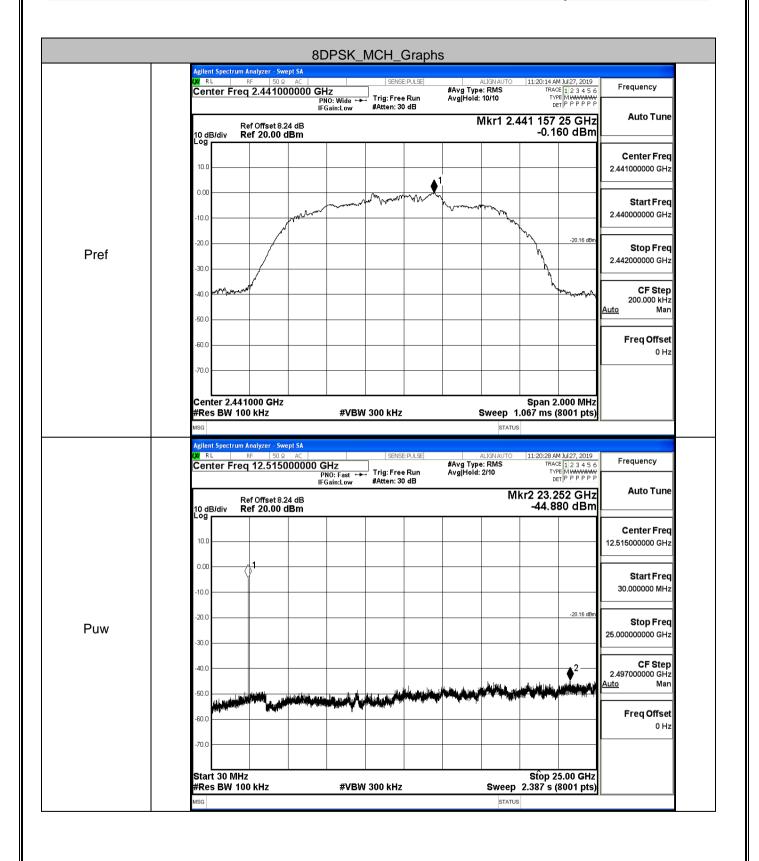


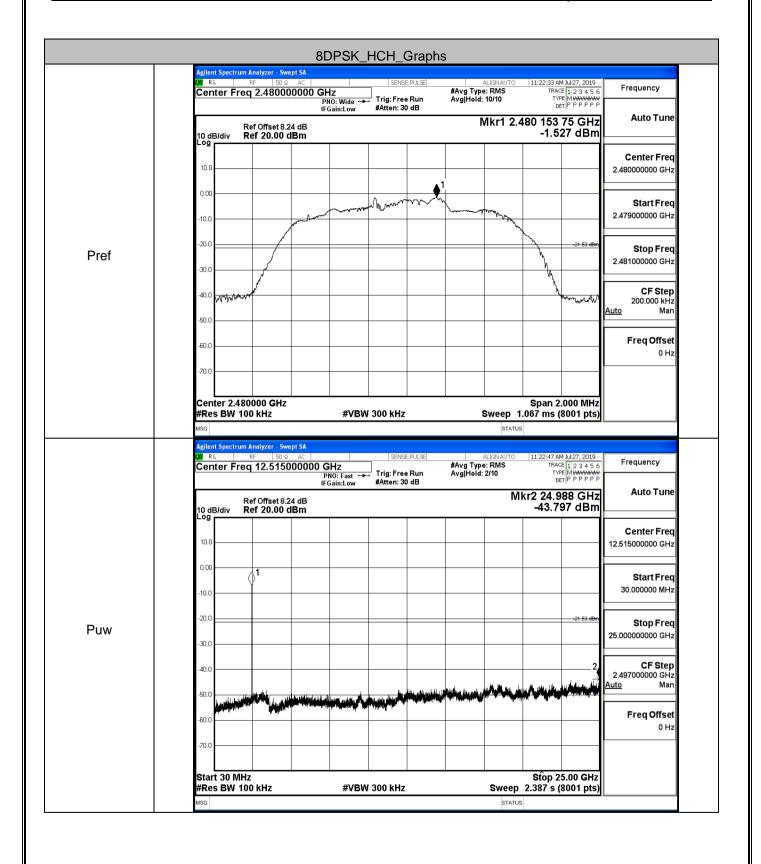






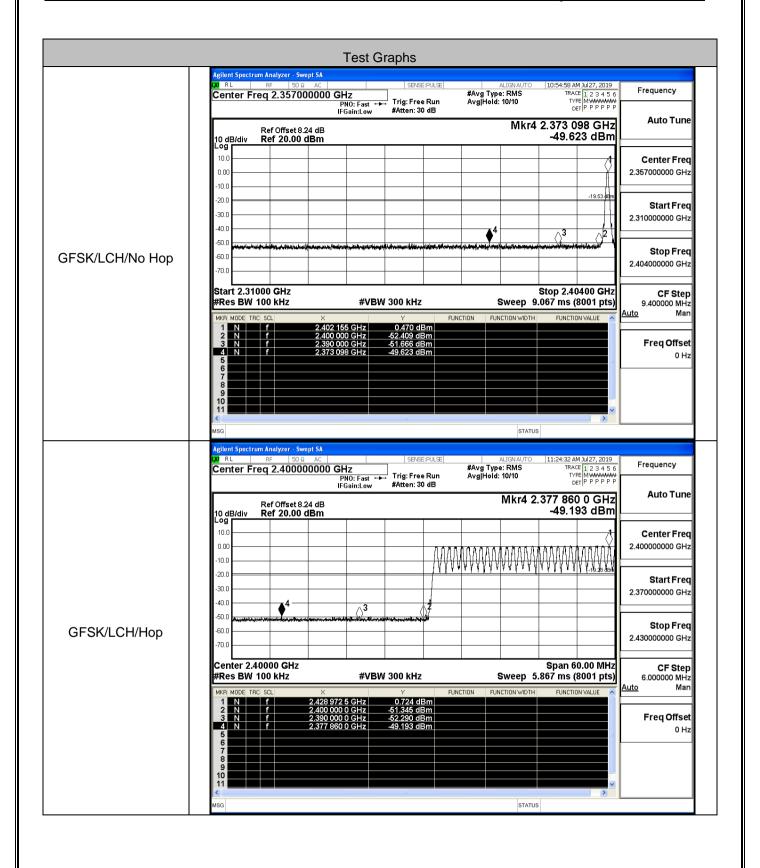


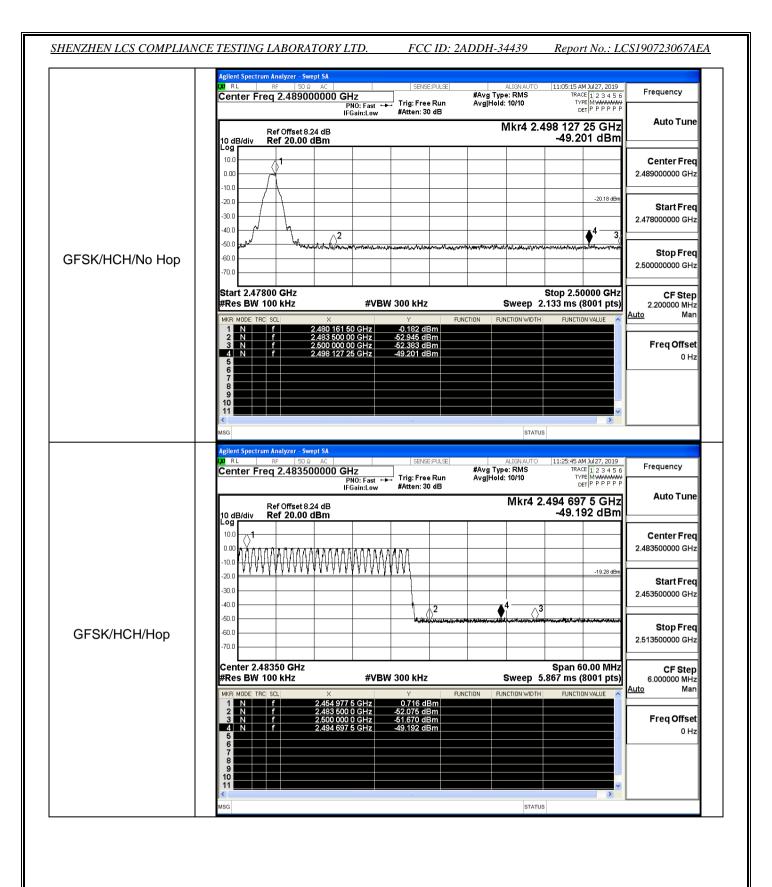


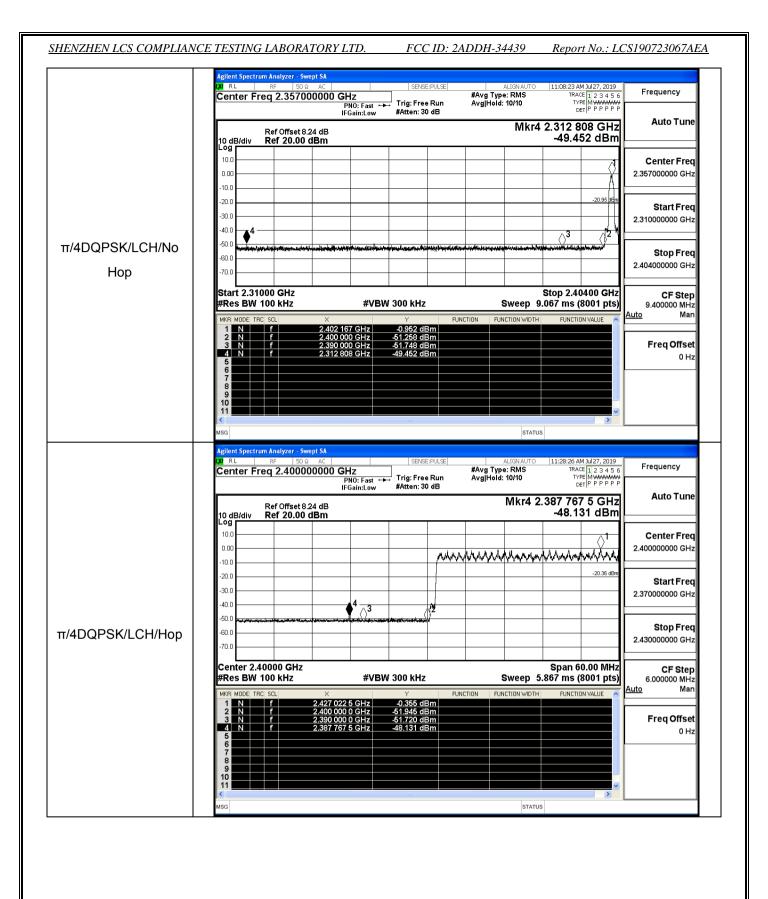


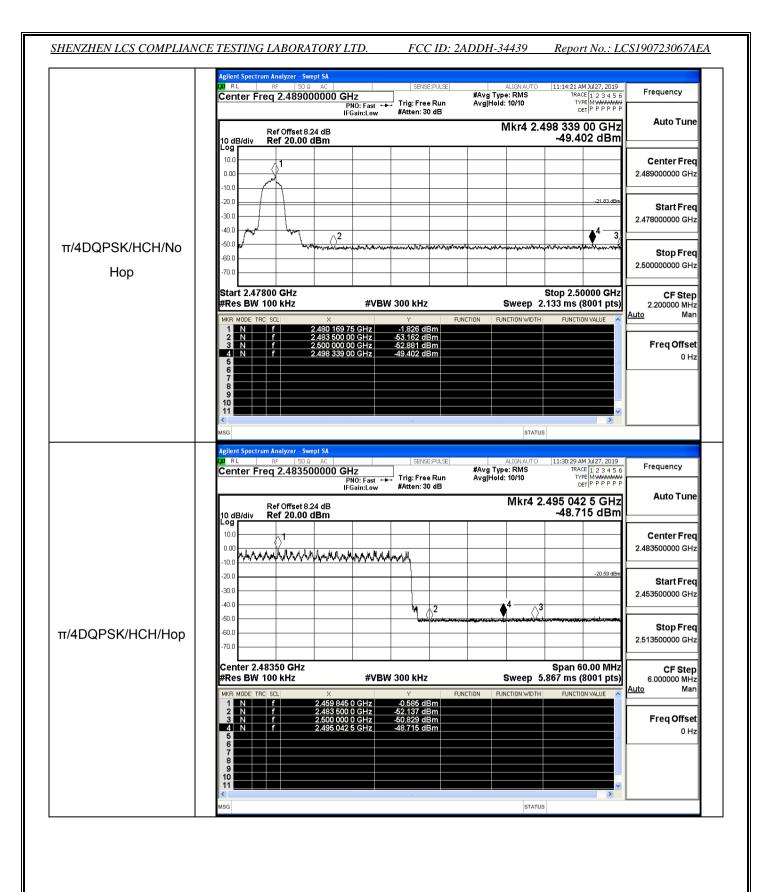
A.7 Band-edge for RF Conducted Emissions

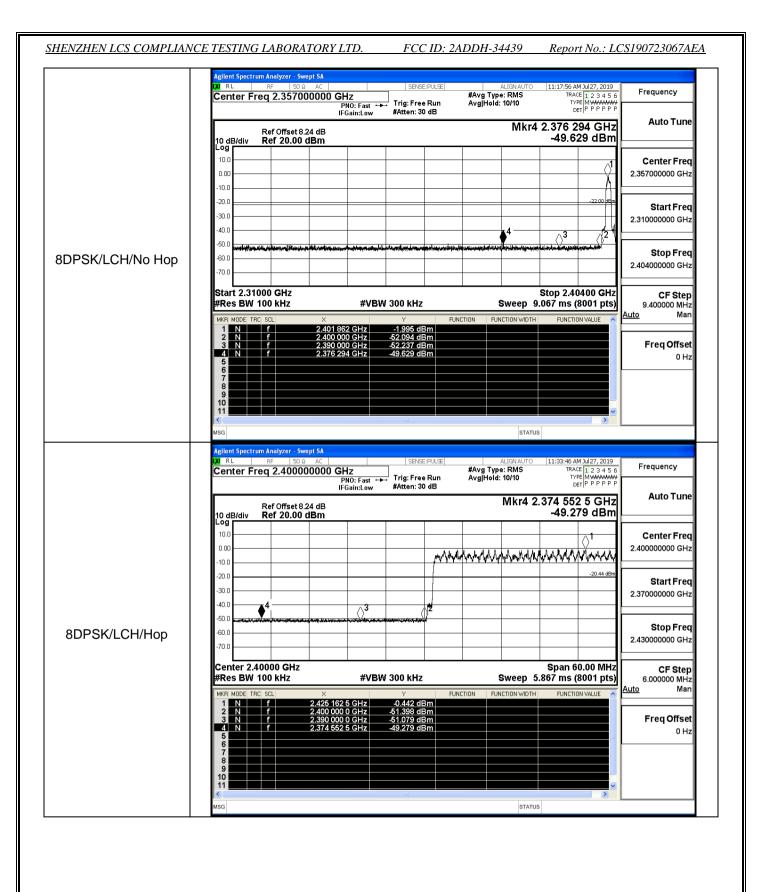
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
	1.011	0.400	0.470	Off	-49.623	-19.53	PASS	
05014	LCH	2402	0.724	On	-49.193	-19.28	PASS	
GFSK	нсн		-0.182	Off	-49.201	-20.18	PASS	
		2480	0.716	On	-49.192	-19.28	PASS	
	LCH			-0.952	Off	-49.452	-20.95	PASS
		2402	-0.355	On	-48.131	-20.36	PASS	
π/4DQPSK	нсн			-1.826	Off	-49.402	-21.83	PASS
		2480	-0.585	On	-48.715	-20.59	PASS	
			-1.995	Off	-49.629	-22	PASS	
	LCH	2402	-0.442	On	-49.279	-20.44	PASS	
8DPSK			-1.512	Off	-49.715	-21.51	PASS	
	HCH	2480	-0.591	On	-48.959	-20.59	PASS	

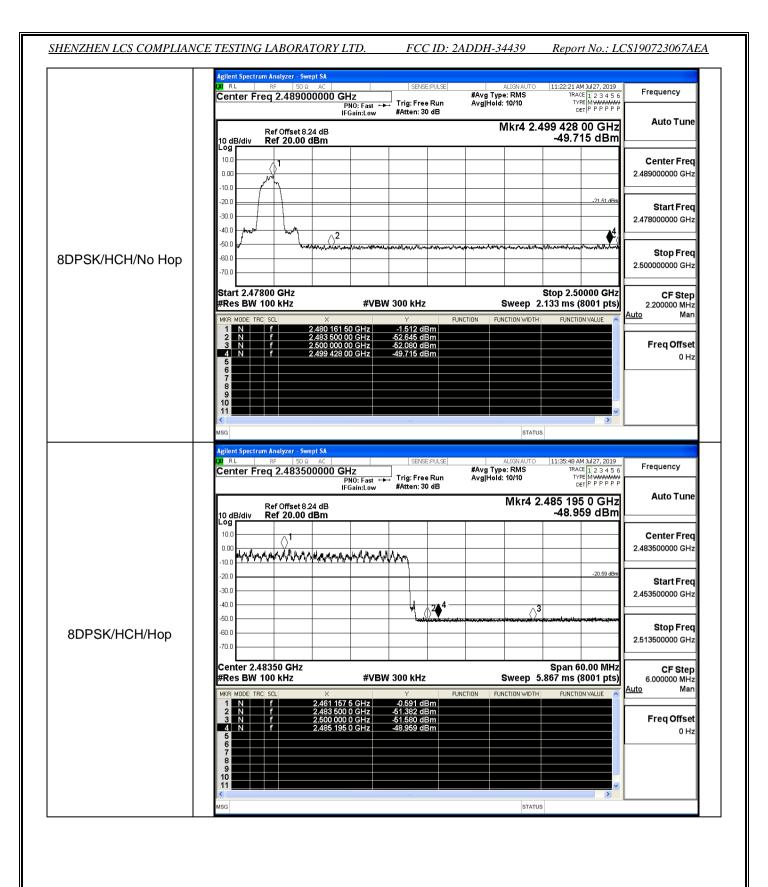






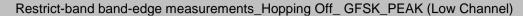


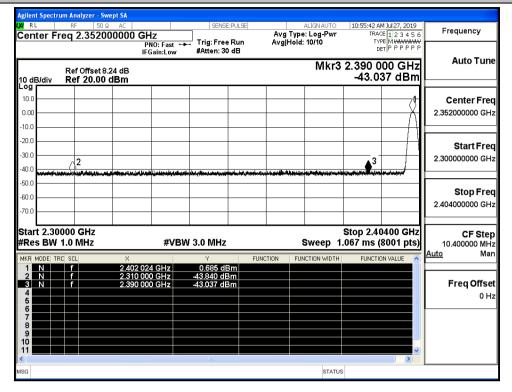




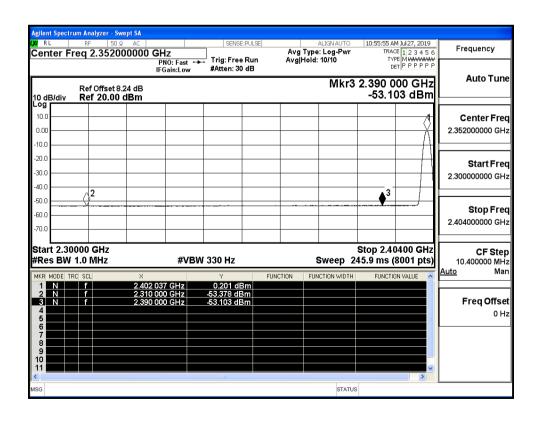
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.84	2.0	0	51.42	PEAK	74	PASS
	Off	2310.0	-53.38	2.0	0	41.88	AV	54	PASS
	Off	2390.0	-43.04	2.0	0	52.22	PEAK	74	PASS
	Off	2390.0	-53.10	2.0	0	42.15	AV	54	PASS
GFSK	Off	2483.5	-41.77	2.0	0	53.49	PEAK	74	PASS
	Off	2483.5	-52.88	2.0	0	42.38	AV	54	PASS
	Off	2500.0	-42.79	2.0	0	52.47	PEAK	74	PASS
	Off	2500.0	-52.75	2.0	0	42.51	AV	54	PASS
	Off	2310.0	-43.35	2.0	0	51.91	PEAK	74	PASS
	Off	2310.0	-53.29	2.0	0	41.97	AV	54	PASS
	Off	2390.0	-43.06	2.0	0	52.20	PEAK	74	PASS
	Off	2390.0	-53.15	2.0	0	42.11	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.18	2.0	0	51.08	PEAK	74	PASS
	Off	2483.5	-52.77	2.0	0	42.49	AV	54	PASS
	Off	2500.0	-42.91	2.0	0	52.35	PEAK	74	PASS
	Off	2500.0	-52.80	2.0	0	42.46	AV	54	PASS
	Off	2310.0	-43.03	2.0	0	52.23	PEAK	74	PASS
	Off	2310.0	-53.18	2.0	0	42.07	AV	54	PASS
	Off	2390.0	-43.25	2.0	0	52.01	PEAK	74	PASS
	Off	2390.0	-53.05	2.0	0	42.21	AV	54	PASS
8DPSK	Off	2483.5	-42.21	2.0	0	53.04	PEAK	74	PASS
	Off	2483.5	-52.77	2.0	0	42.49	AV	54	PASS
	Off	2500.0	-43.16	2.0	0	52.10	PEAK	74	PASS
	Off	2500.0	-52.71	2.0	0	42.55	AV	54	PASS

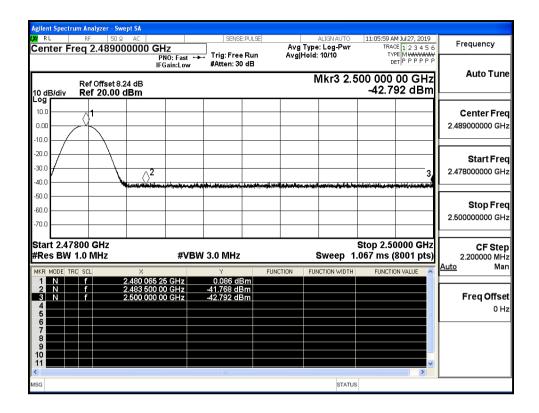




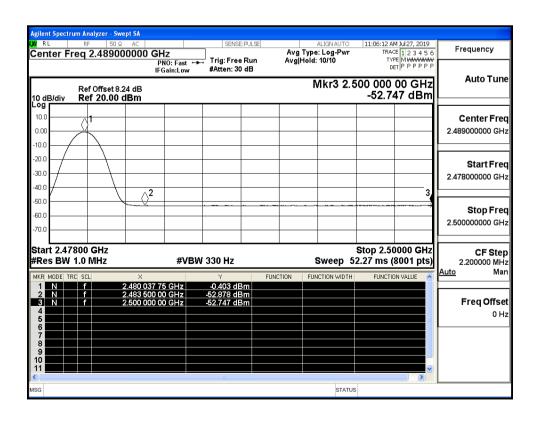
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



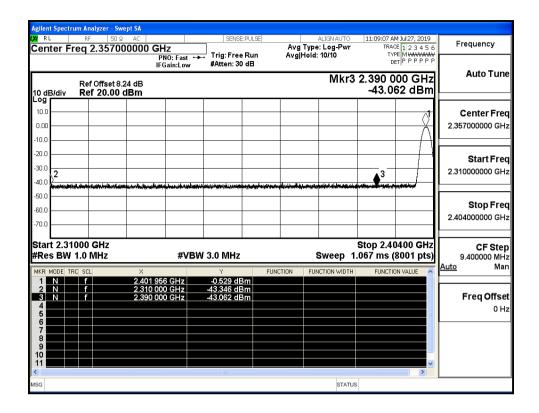
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



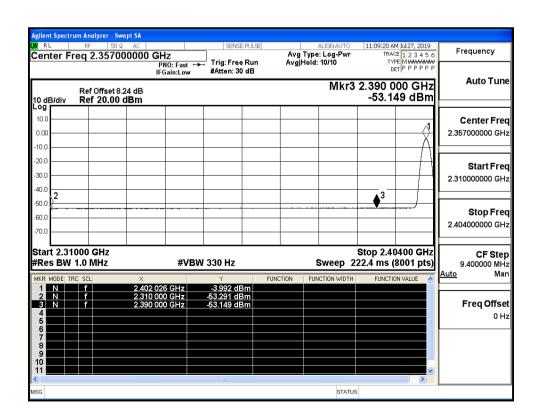
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



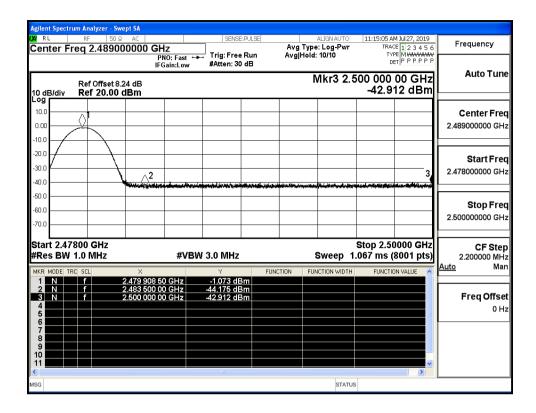
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



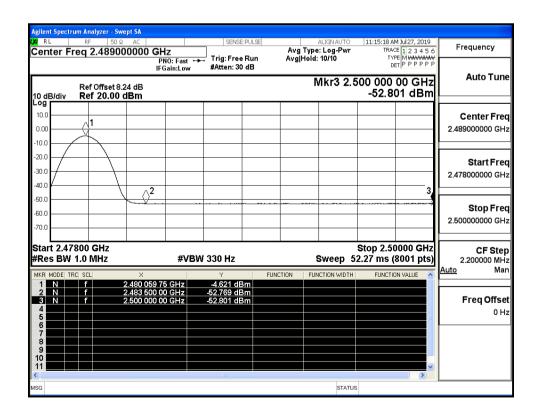
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



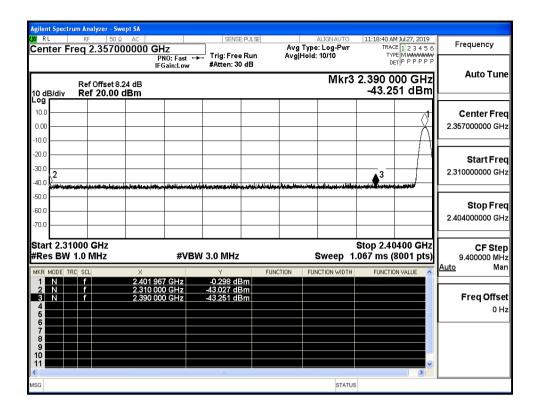
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



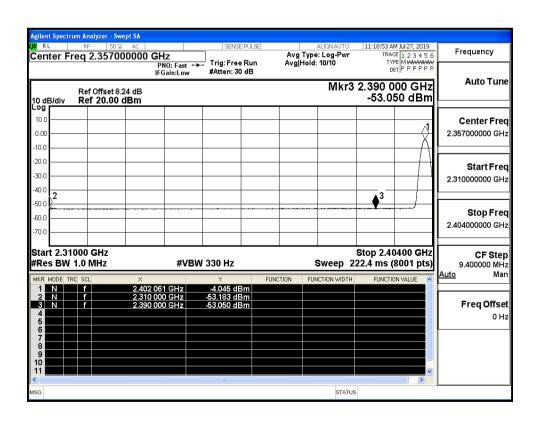
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



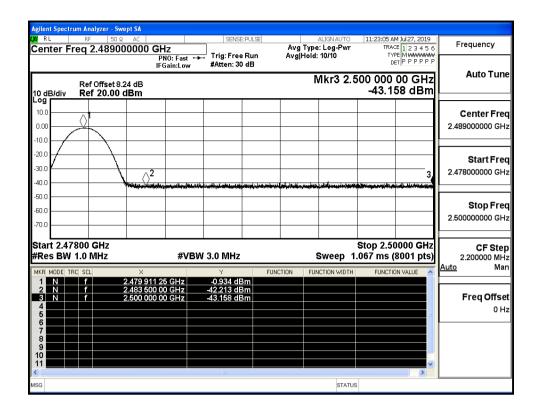
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

