Appendix A

RF Test Data for BT V4 .2 (BDR/EDR) (Conducted Measurement)

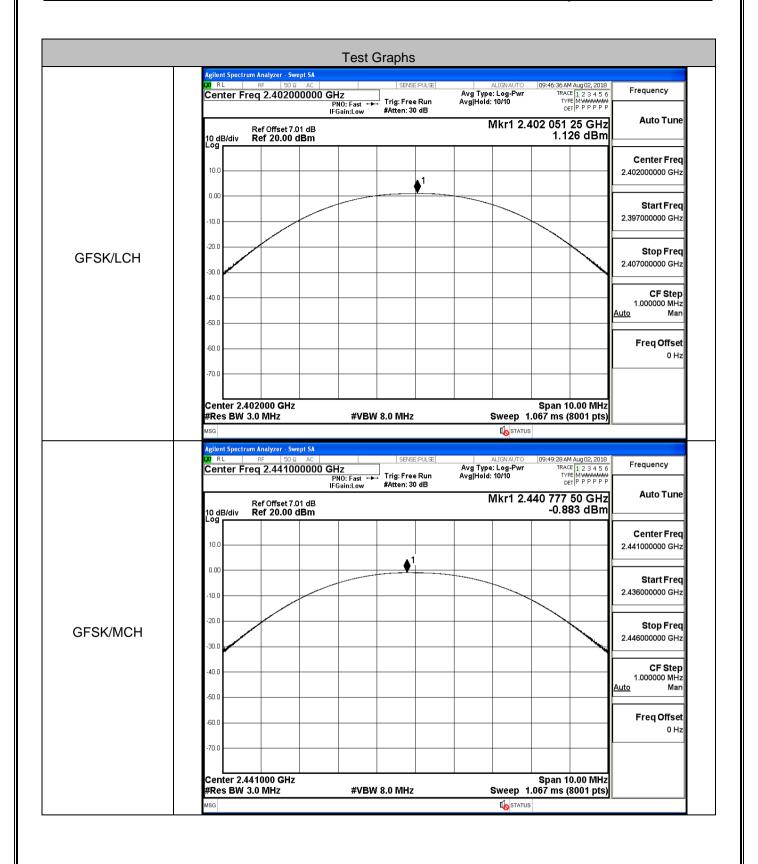
Product Name: Lapbook Trade Mark: Fusion5 Test Model: C60B

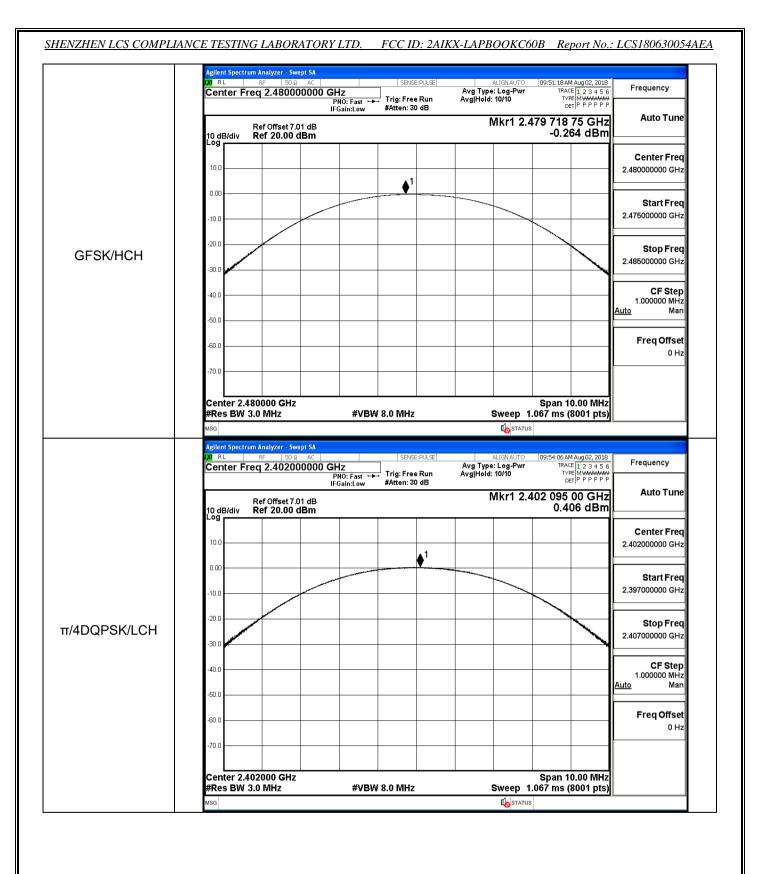
Environmental Conditions

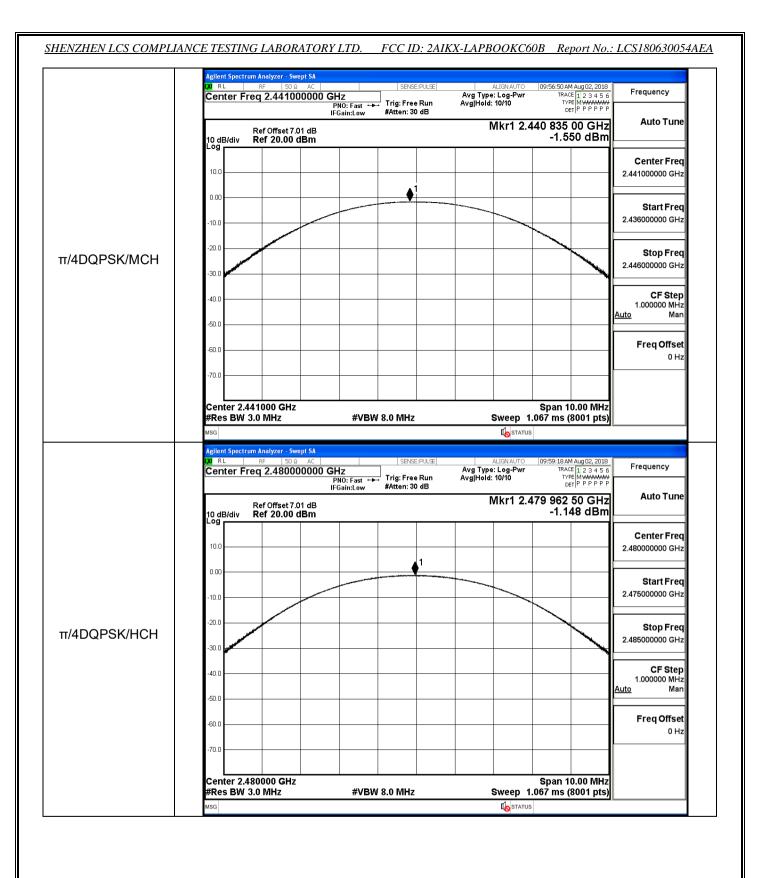
Temperature:	24.6 ° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

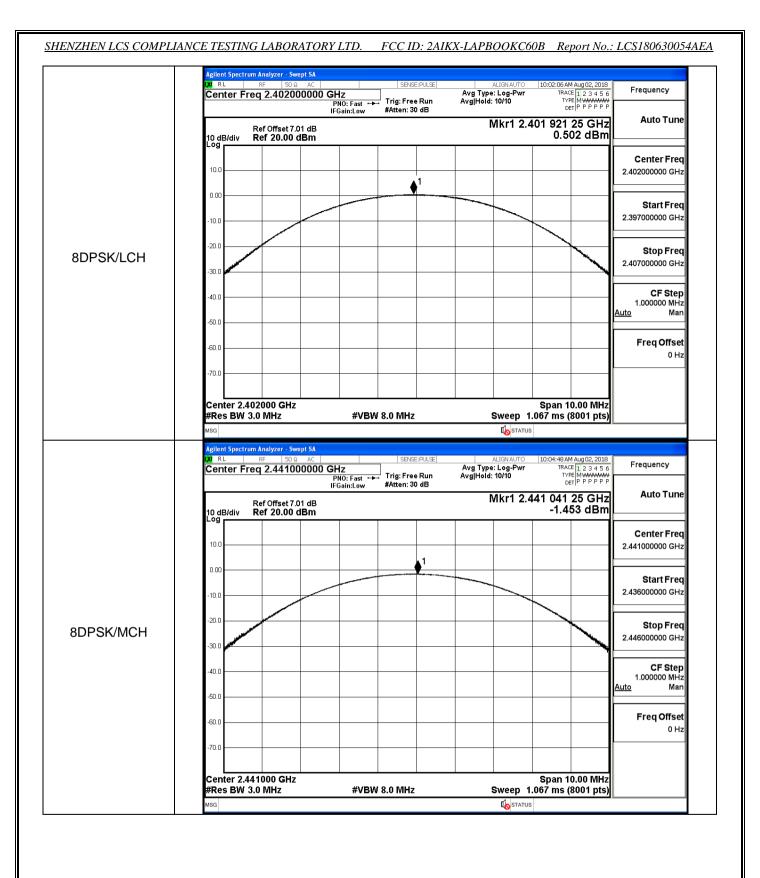
A.1 Maximum Conducted Output Power

Mode	Channel. Maximum Peak Output Power [dBm]		Limit [dBm]	Verdict
	LCH	1.126	21	PASS
GFSK	MCH	-0.883	21	PASS
	НСН	-0.264	21	PASS
	LCH	0.406	21	PASS
π/4DQPSK	MCH	-1.550	21	PASS
	НСН	-1.148	21	PASS
	LCH	0.502	21	PASS
8DPSK	MCH	-1.453	21	PASS
	НСН	-1.120	21	PASS





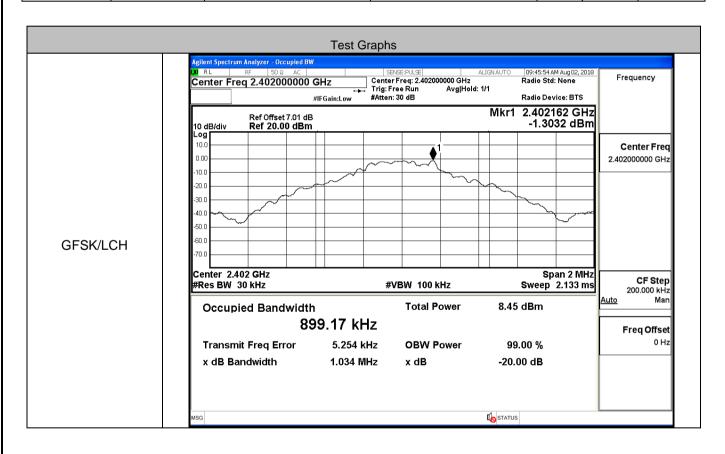


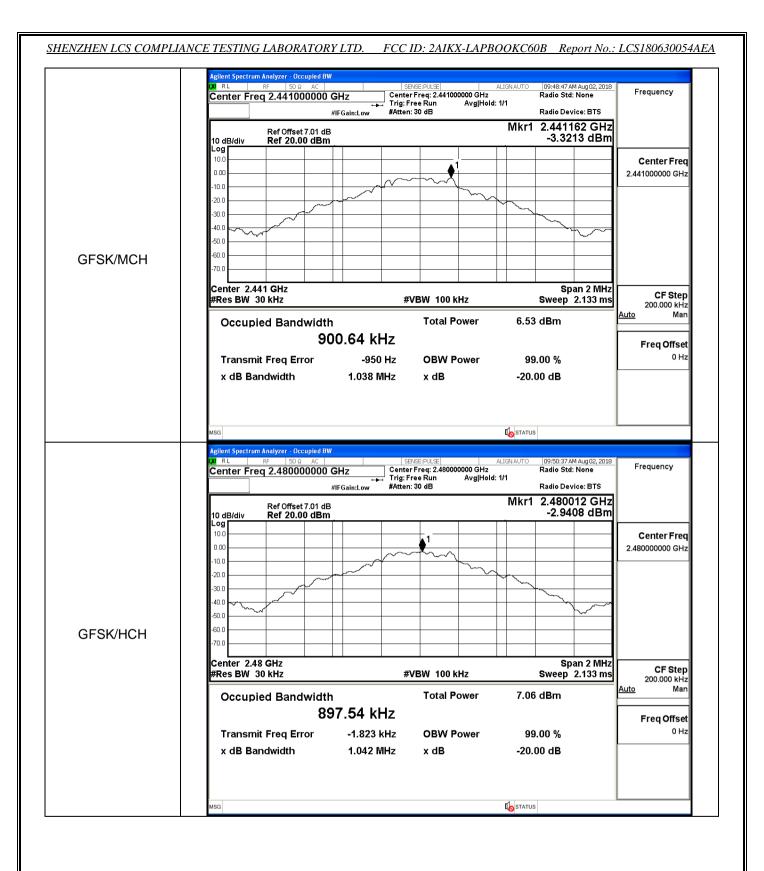


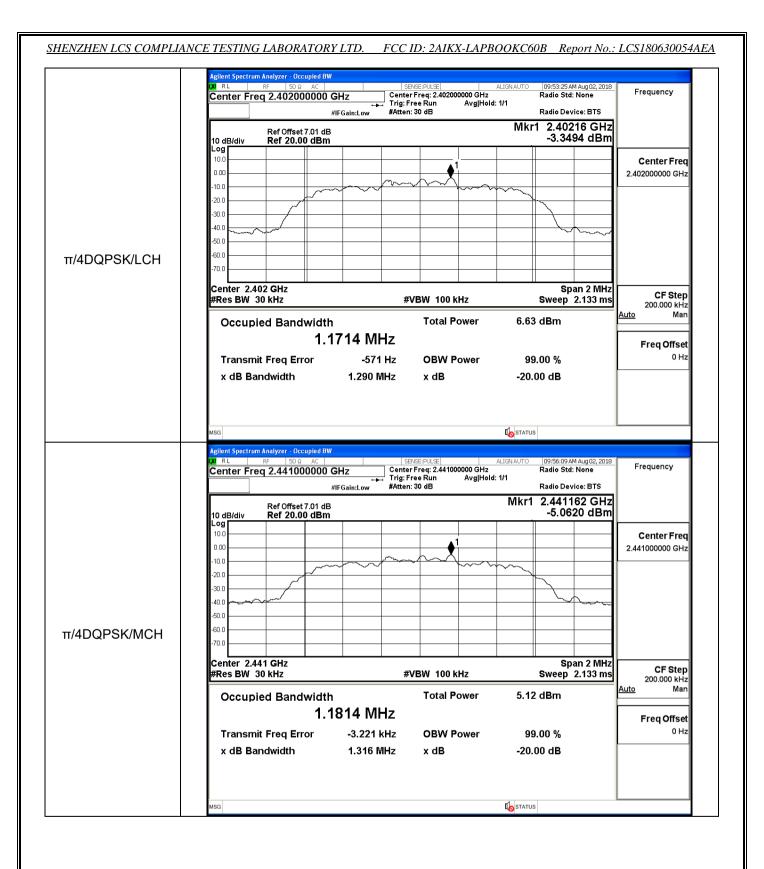
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX-LAPBOOKC60B Report No.: LCS180630054AEA Agilent Spectrum Analyzer - Swept SA TO 10:06:38 AM Aug 02, 2018 WY TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET P P P P P P Avg Type: Log-Pwr Avg|Hold: 10/10 Frequency Mkr1 2.479 913 75 GHz -1.120 dBm Auto Tune Ref Offset 7.01 dB Ref 20.00 dBm 10 dB/div Log Center Freq 10.0 2.480000000 GHz 0.00 Start Freq 2.475000000 GHz -10.0 -20.0 Stop Freq 8DPSK/HCH 2.485000000 GHz CF Step 1.000000 MHz Man 40.0 <u>Auto</u> -50.0 Freq Offset -60.0 0 Hz -70.0 Center 2.480000 GHz #Res BW 3.0 MHz Span 10.00 MHz Sweep 1.067 ms (8001 pts) **#VBW 8.0 MHz** STATUS

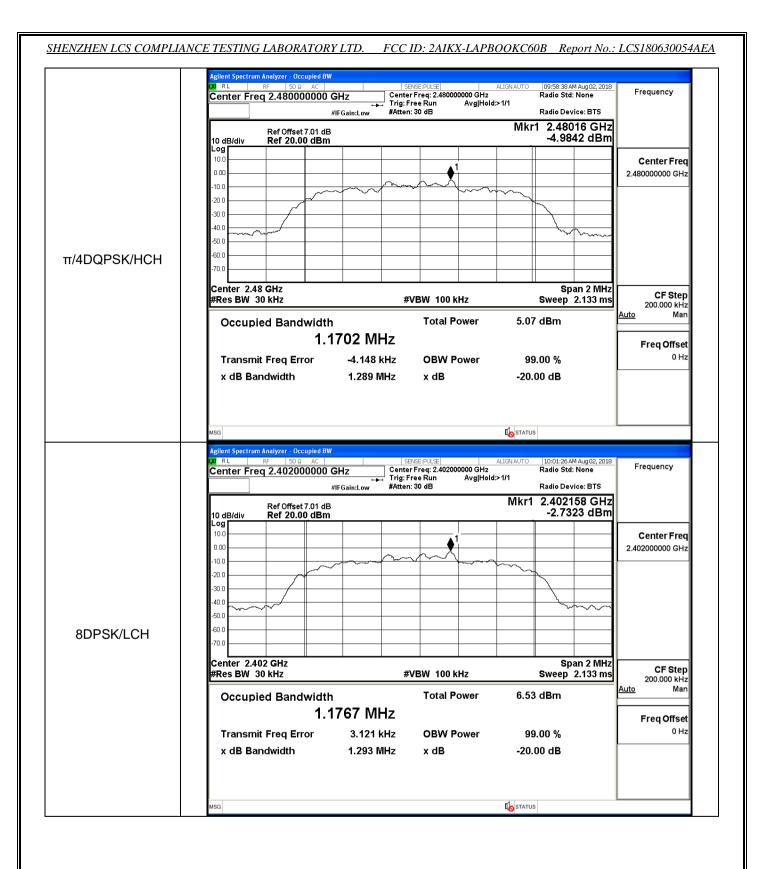
A.2 99% and 20dB Bandwidth

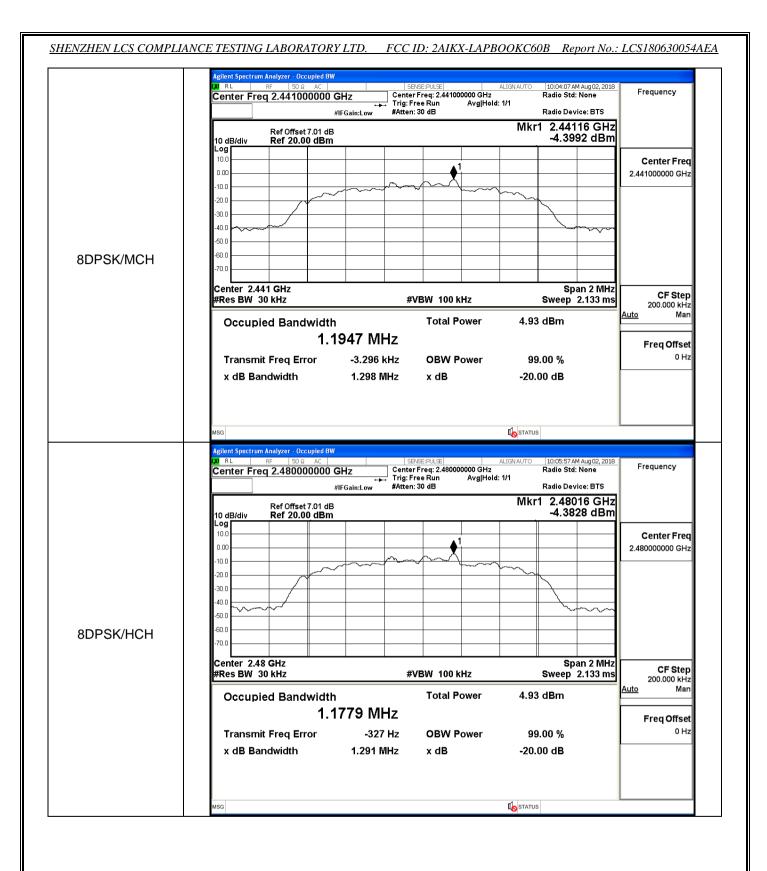
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.89917	1.034	Not Specified	PASS
GFSK	MCH	0.90064	1.038	Not Specified	PASS
	НСН	0.89754	1.042	Not Specified	PASS
	LCH	1.1714	1.290	Not Specified	PASS
π/4DQPSK	MCH	1.1814	1.316	Not Specified	PASS
	HCH	1.1702	1.289	Not Specified	PASS
	LCH	1.1767	1.293	Not Specified	PASS
8DPSK	DPSK MCH 1.19		1.298	Not Specified	PASS
	HCH	1.1779	1.291	Not Specified	PASS





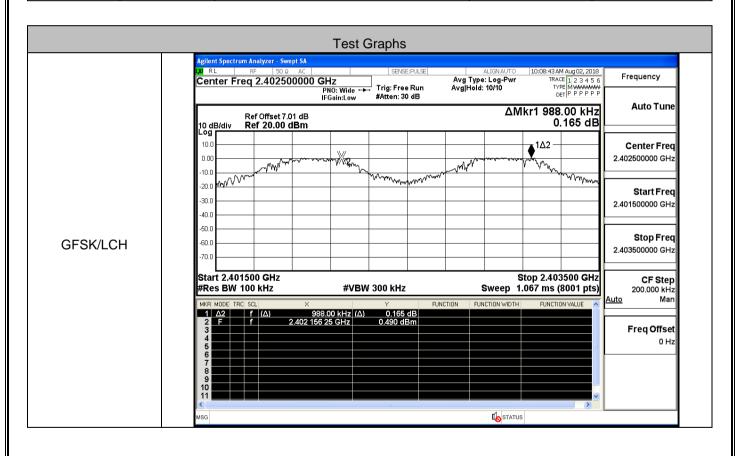


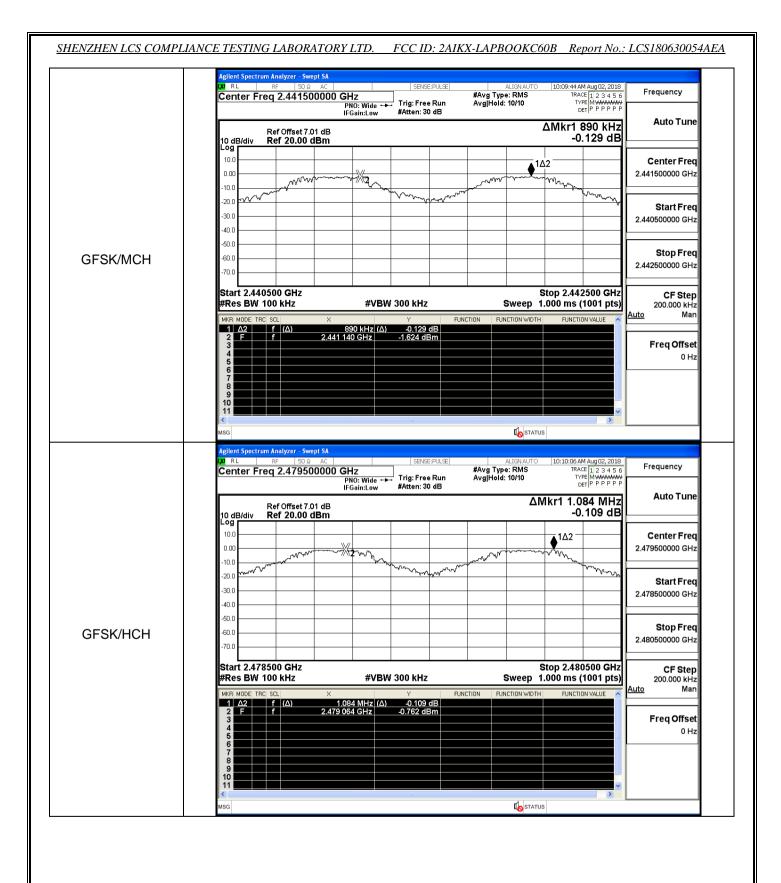


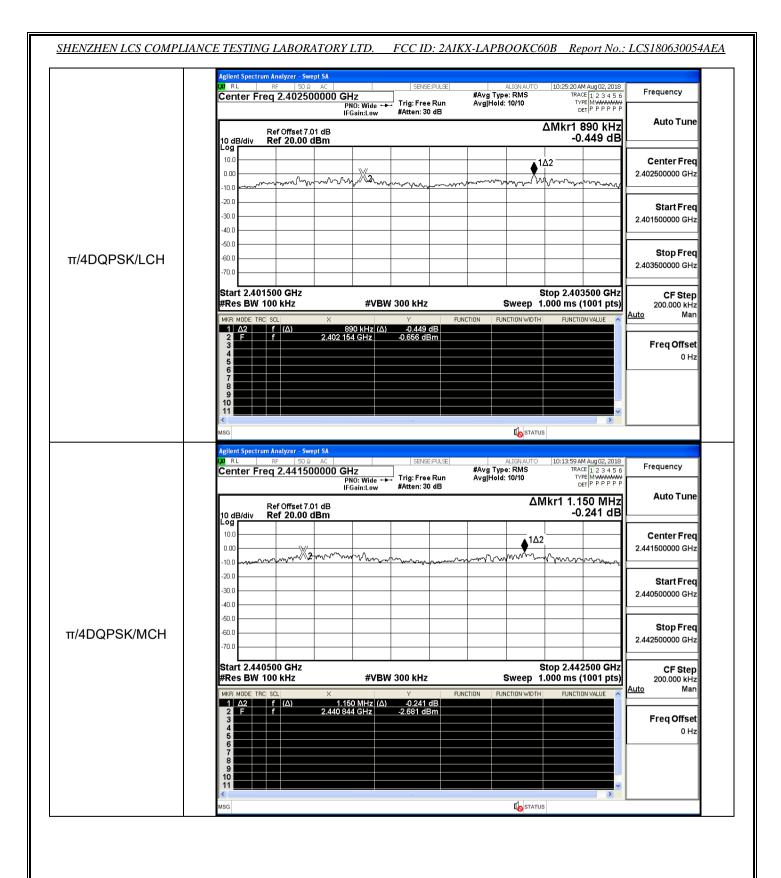


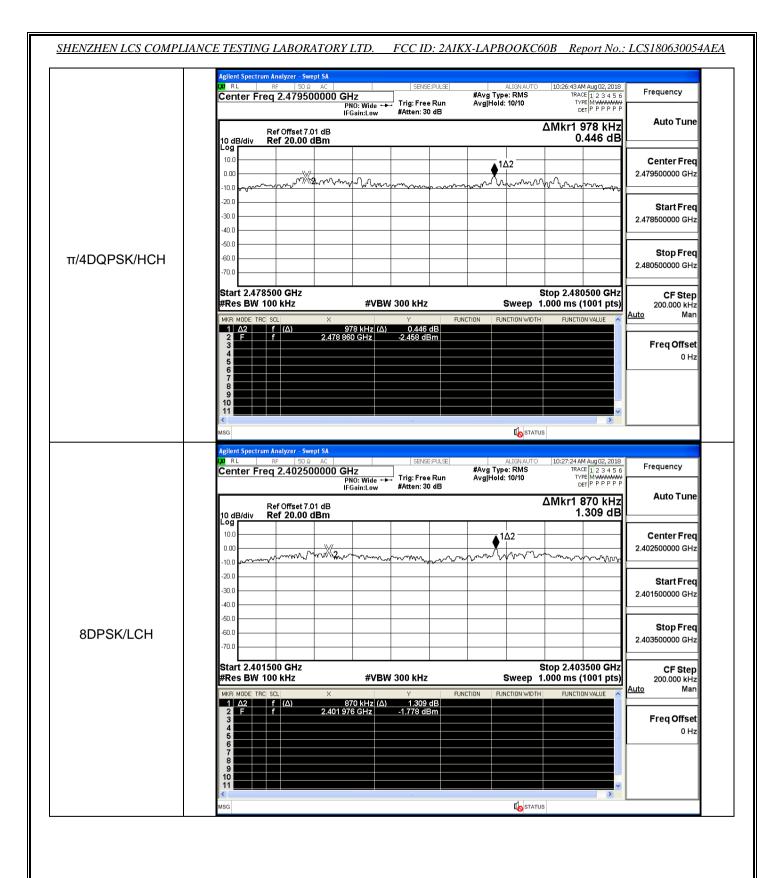
A.3 Carrier Frequency Separation

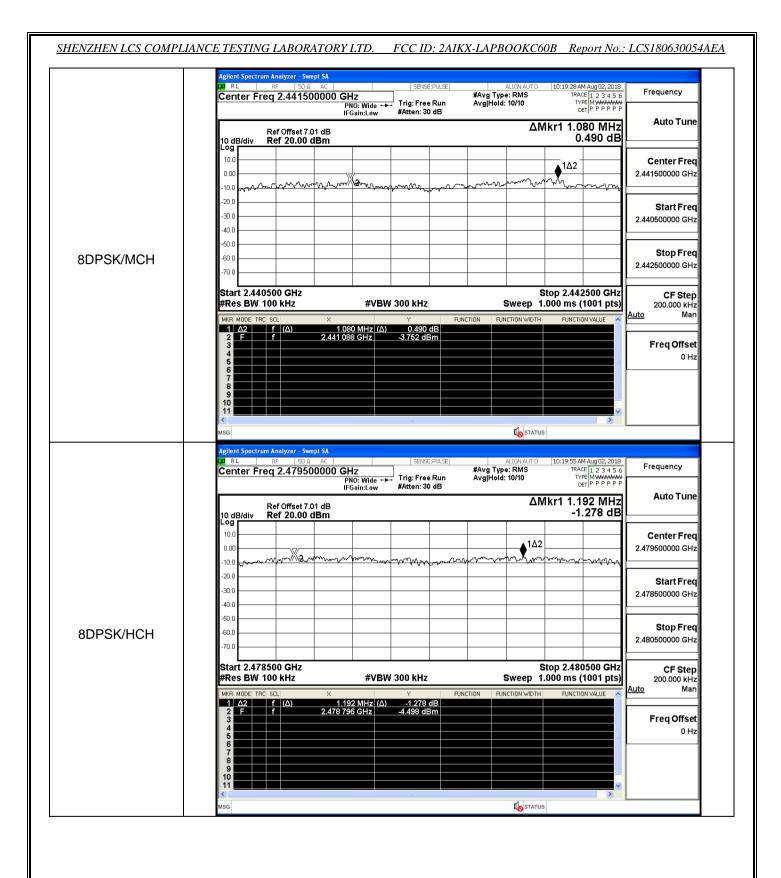
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.988	0.695	PASS
GFSK	MCH	0.890	0.695	PASS
	HCH	1.084	0.695	PASS
	LCH	0.890	0.877	PASS
π/4DQPSK	MCH	1.150	0.877	PASS
	HCH	0.978	0.877	PASS
	LCH	0.870	0.865	PASS
8DPSK	DPSK MCH 1.080		0.865	PASS
	HCH	1.192	0.865	PASS





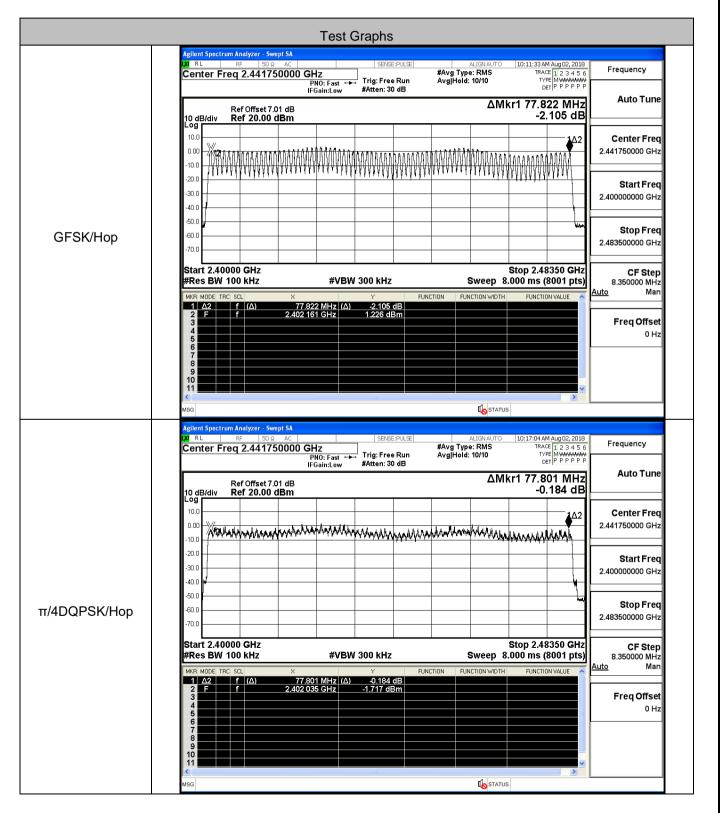


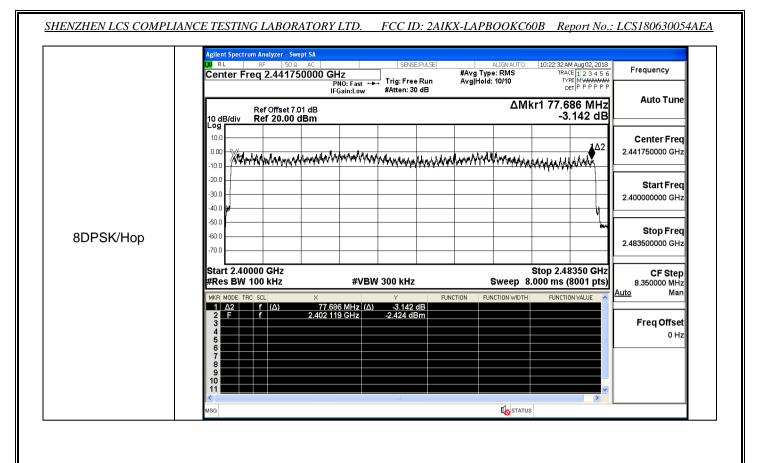




A.4 Hopping Channel Number

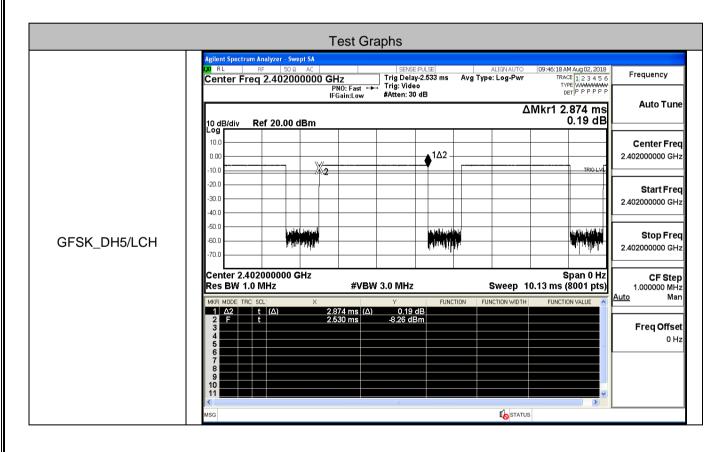
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

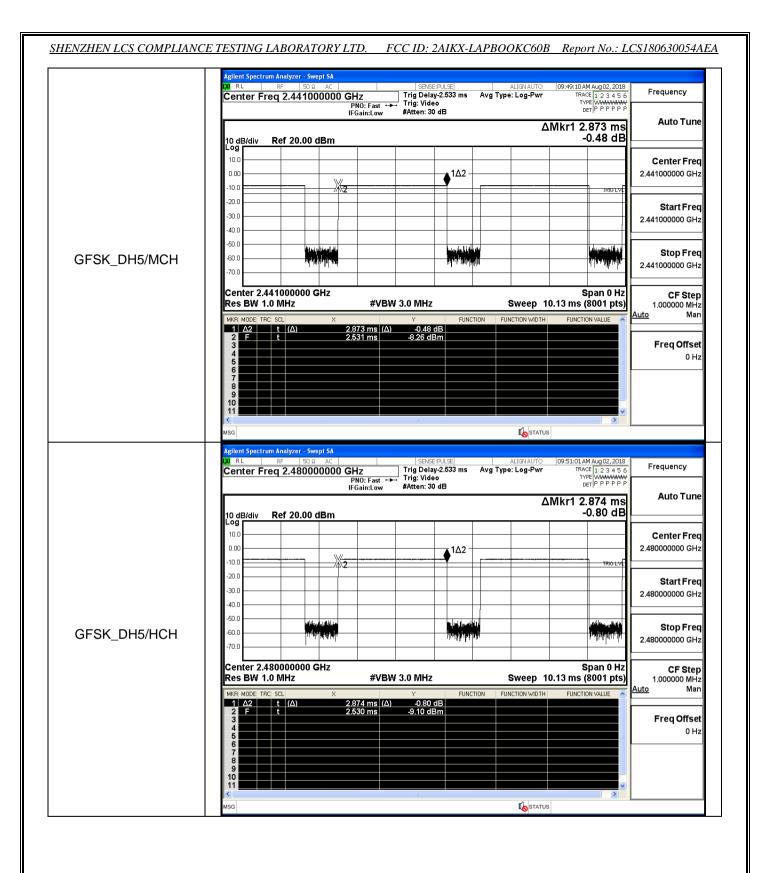


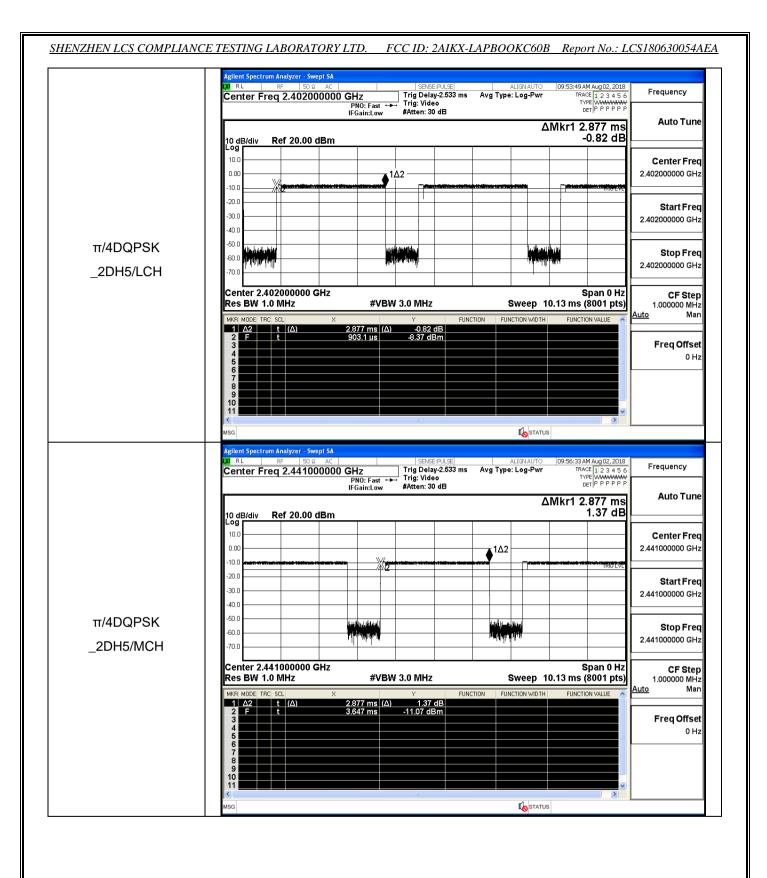


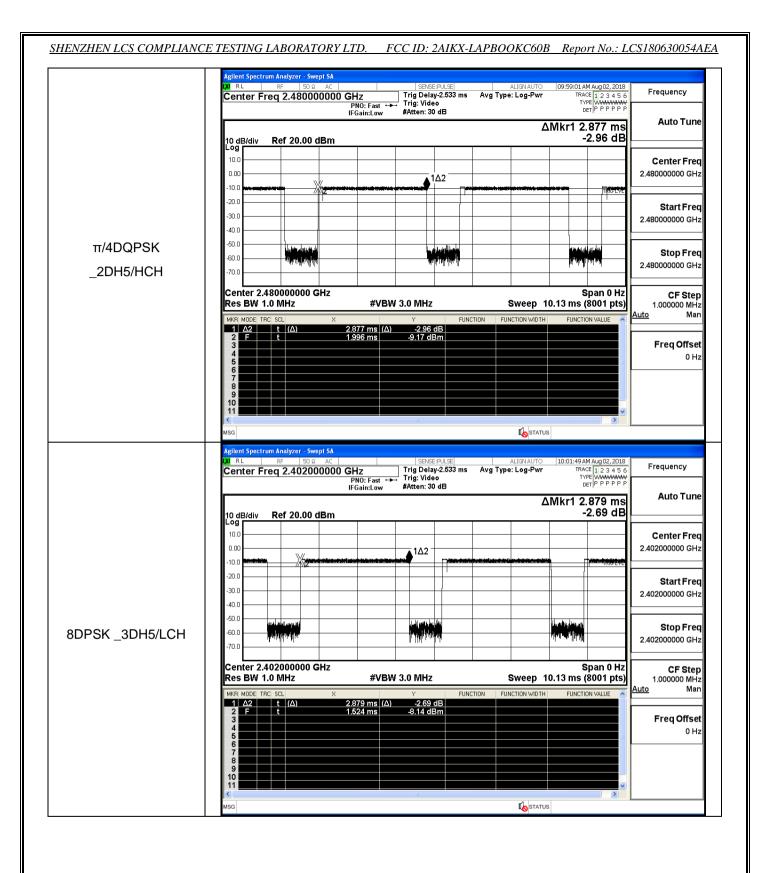
A.5 Dwell Time

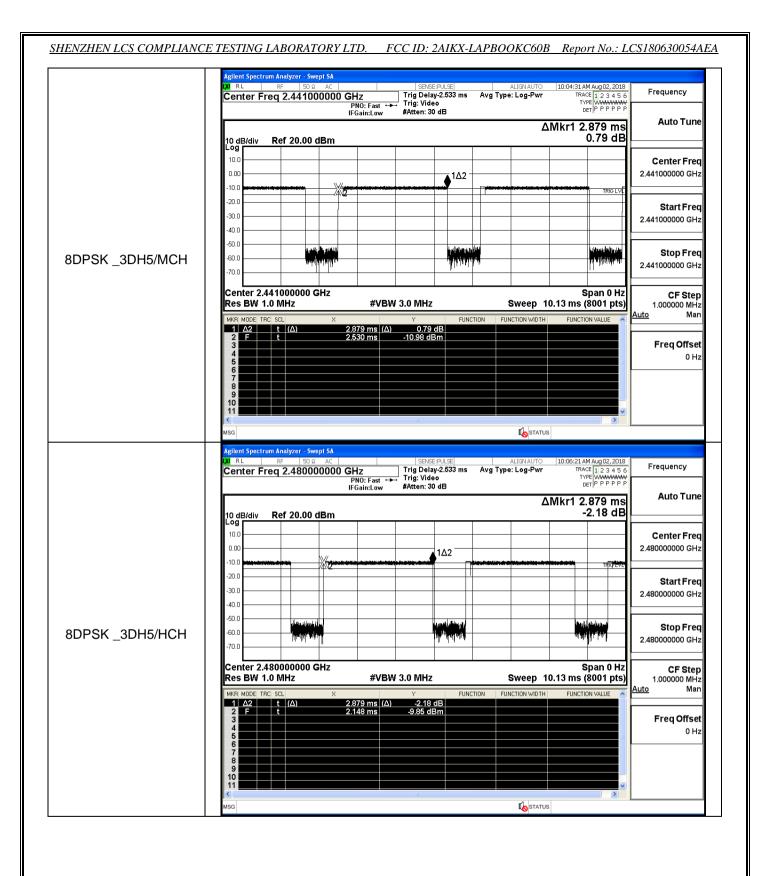
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.87	106.7	0.306	0.4	PASS
GFSK	DH5	MCH	2.87	106.7	0.306	0.4	PASS
	DH5	HCH	2.87	106.7	0.306	0.4	PASS
	2DH5	LCH	2.87	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.87	106.7	0.307	0.4	PASS
	2DH5	HCH	2.87	106.7	0.307	0.4	PASS
	3DH5	LCH	2.87	106.7	0.307	0.4	PASS
8DPSK	3DH5	MCH	2.87	106.7	0.307	0.4	PASS
	3DH5	HCH	2.87	106.7	0.307	0.4	PASS





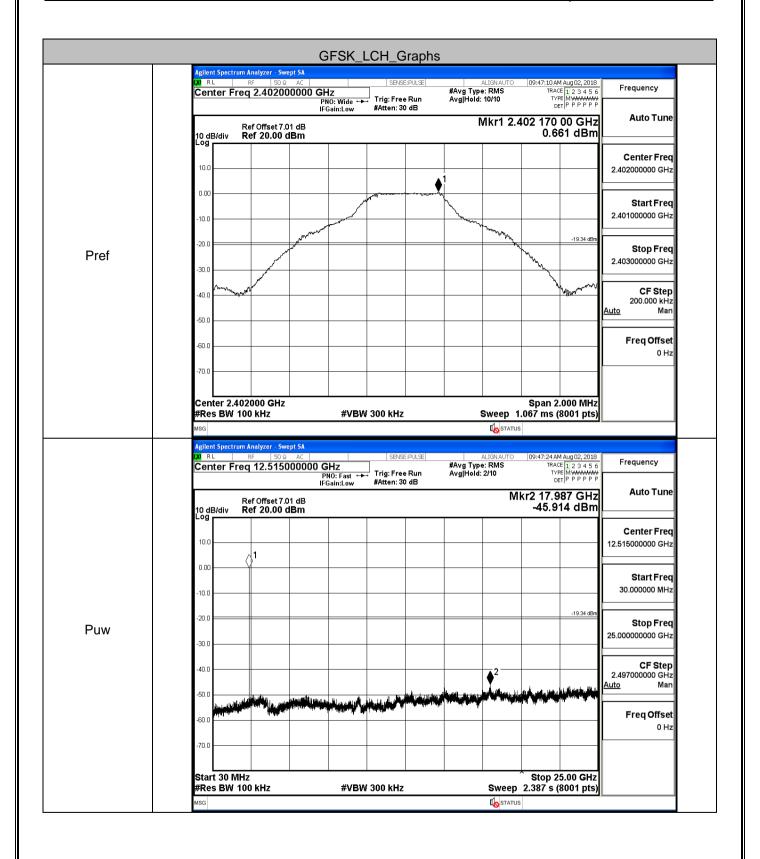


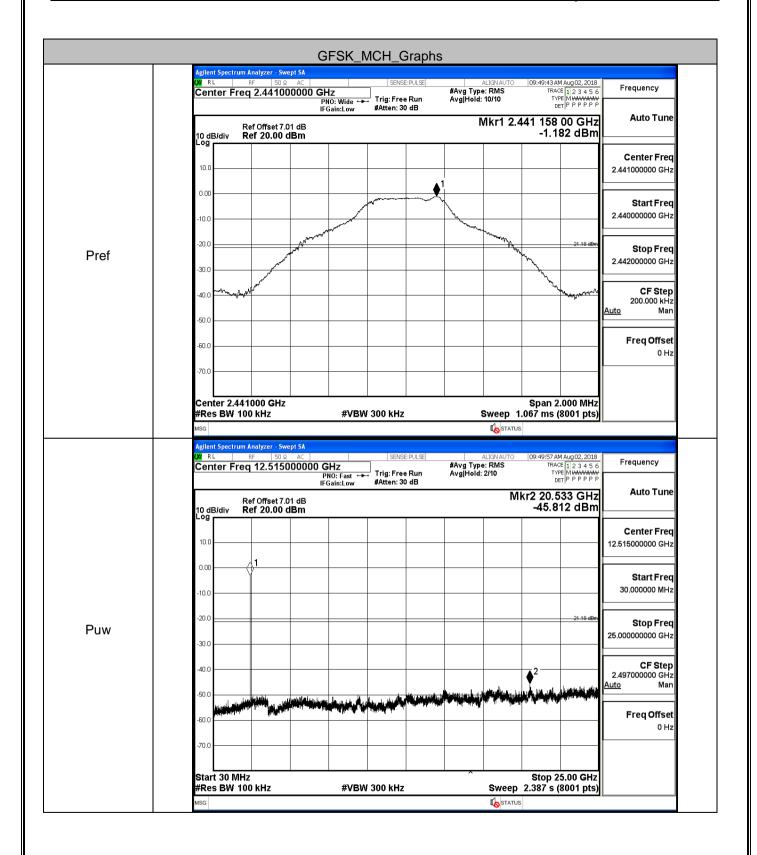


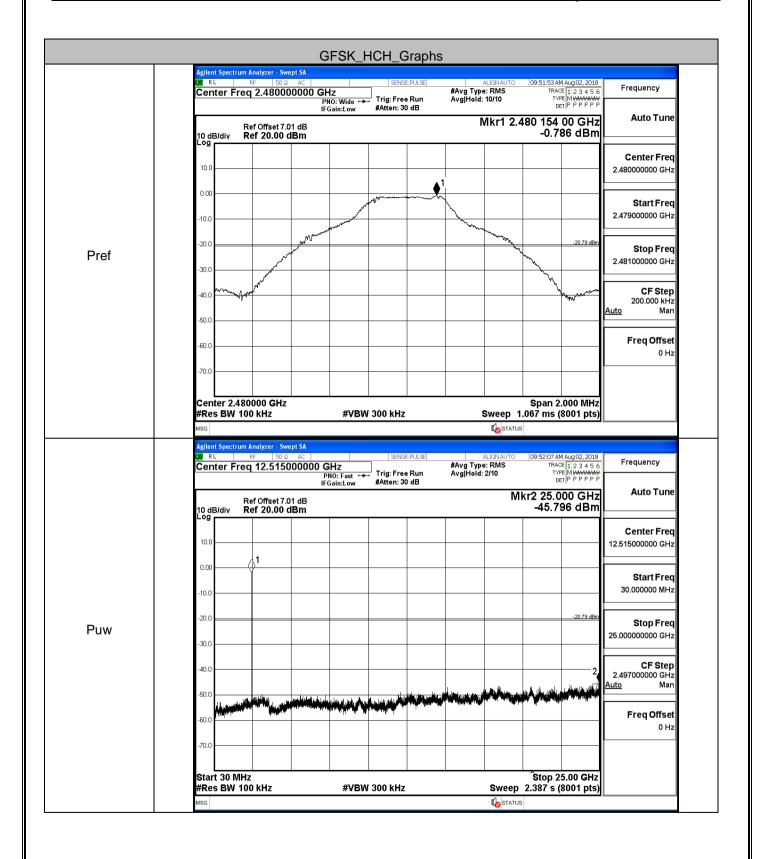


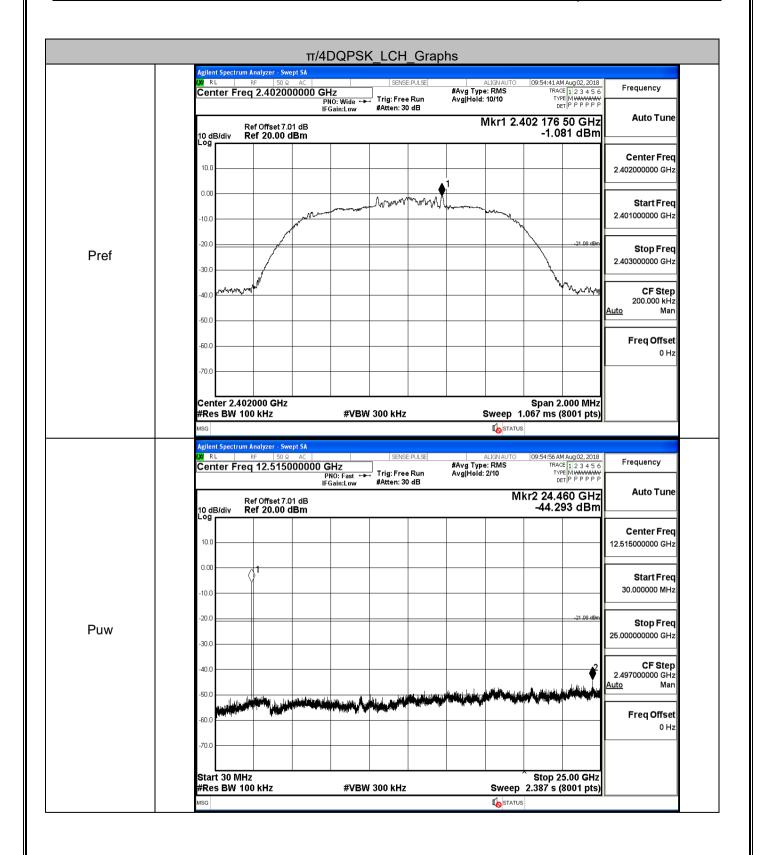
A.6 RF Conducted Spurious Emissions

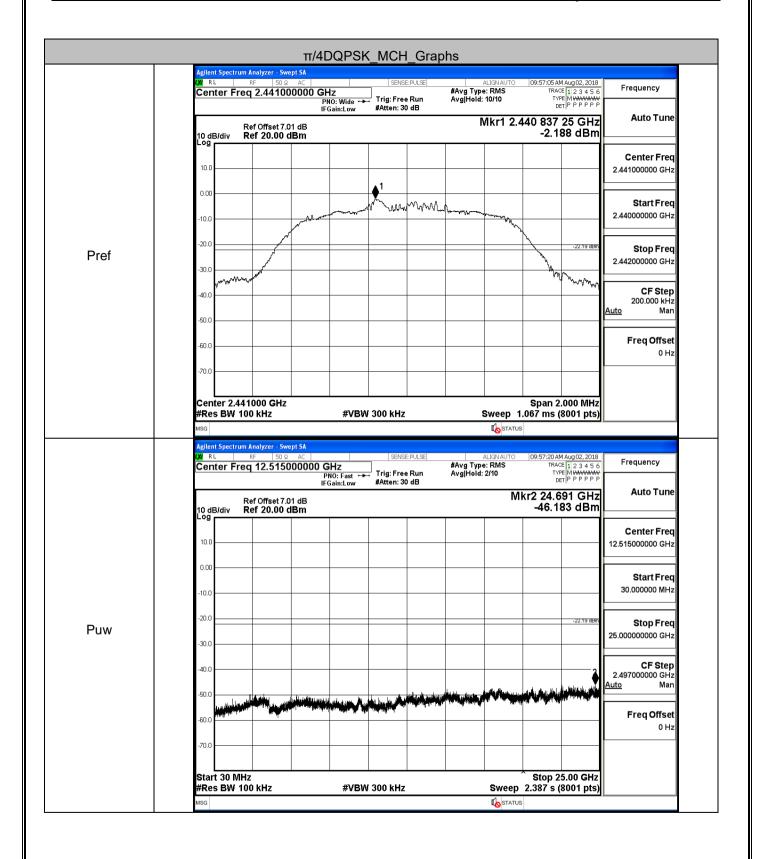
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.661	-45.914	-19.339	PASS
GFSK	MCH	-1.182	-45.812	-21.182	PASS
	HCH	-0.786	-45.796	-20.786	PASS
	LCH	-1.081	-44.293	-21.081	PASS
π/4DQPSK	MCH	-2.188	-46.183	-22.188	PASS
	HCH	-2.063	-46.175	-22.063	PASS
8DPSK	LCH	-0.935	-45.684	-20.935	PASS
	MCH	-2.349	-46.115	-22.349	PASS
	HCH	-2.364	-44.831	-22.364	PASS

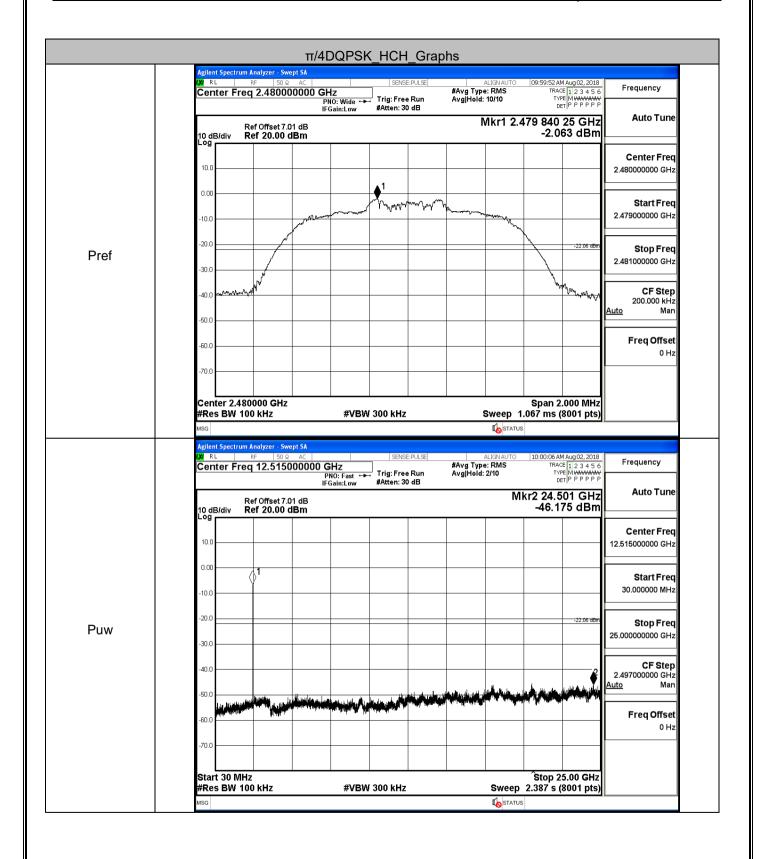


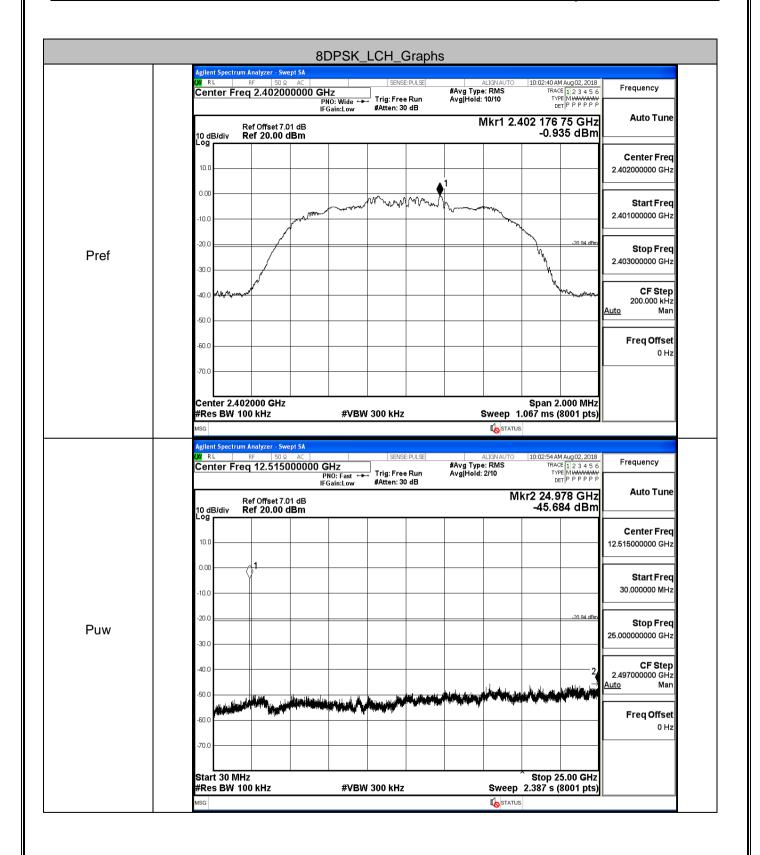


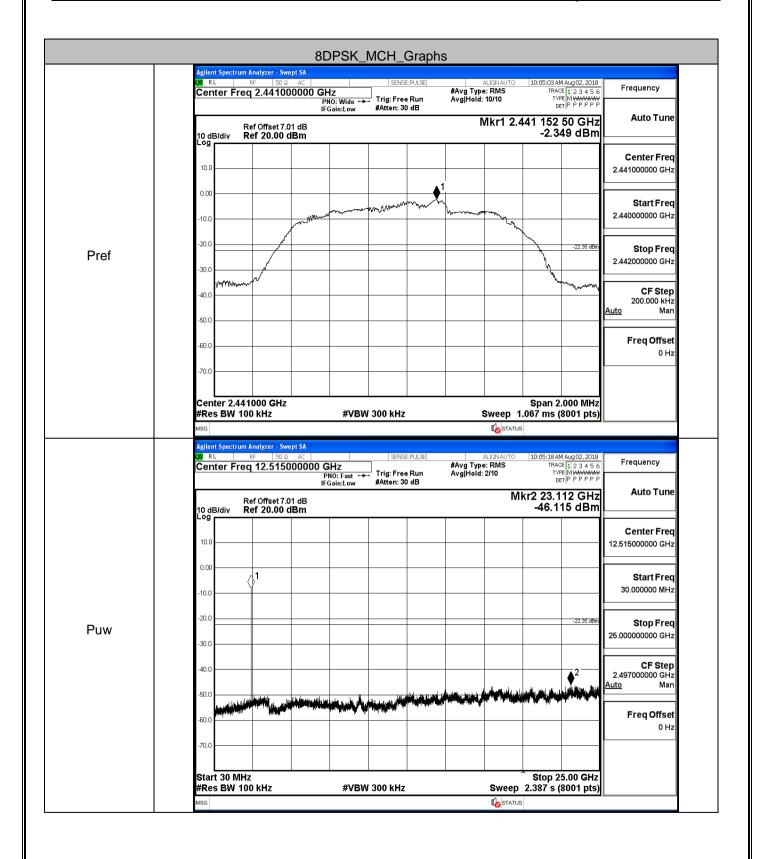


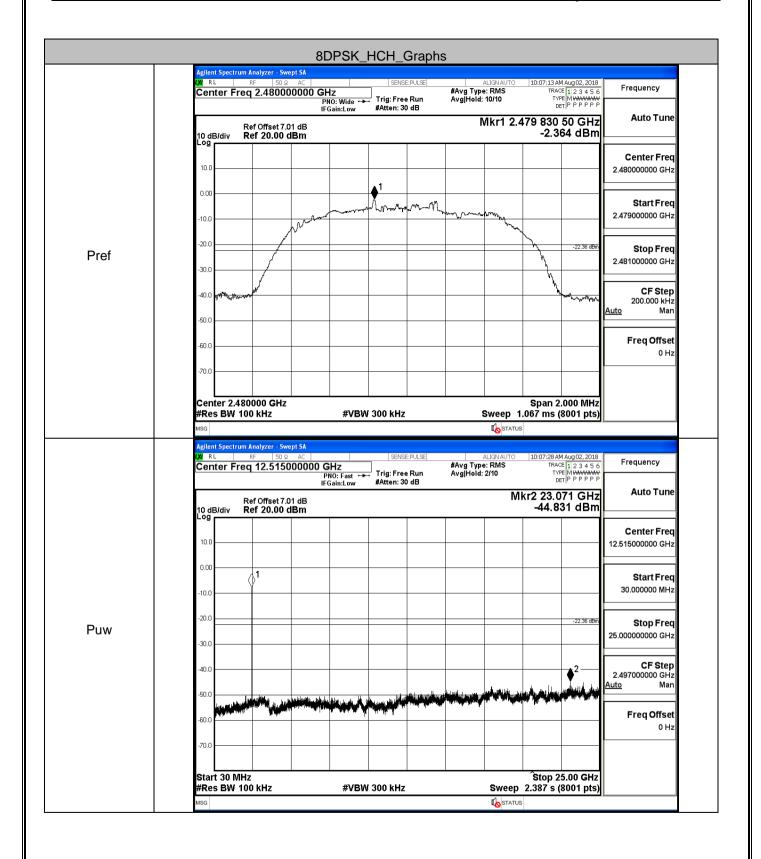






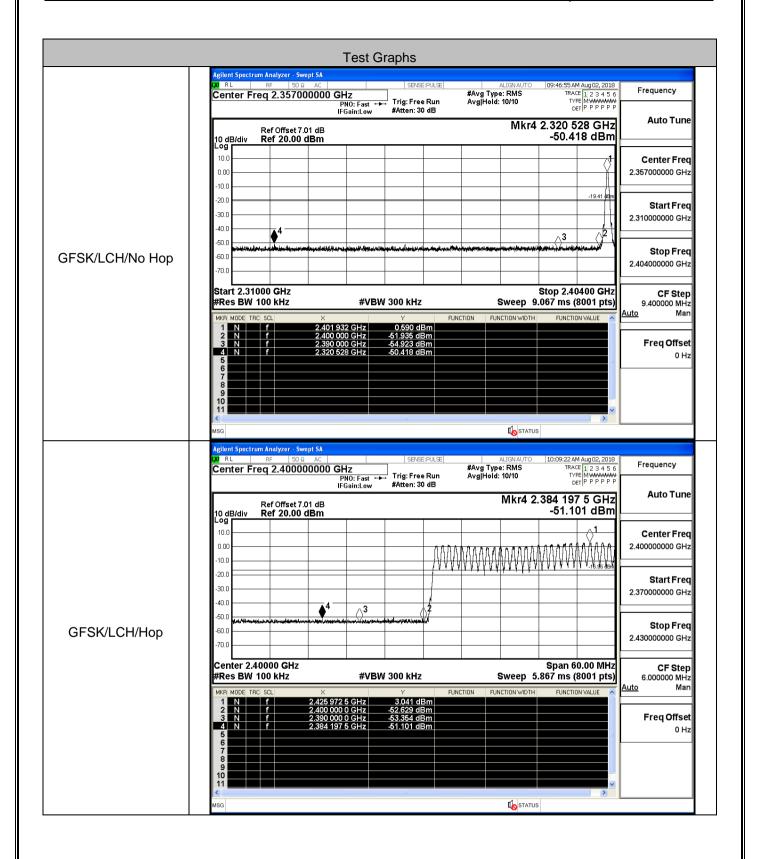


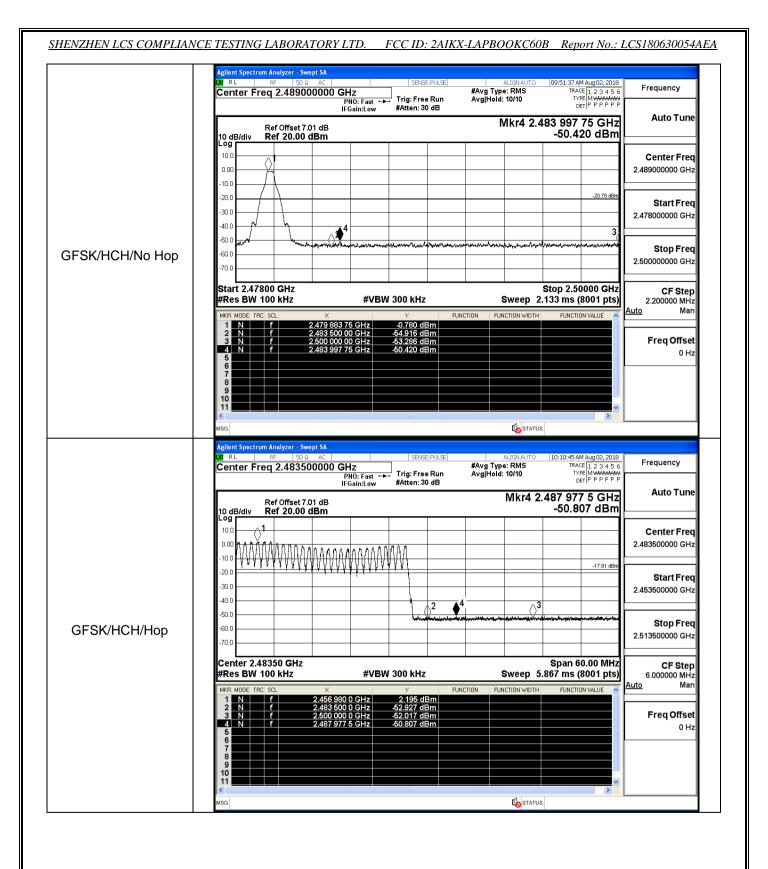


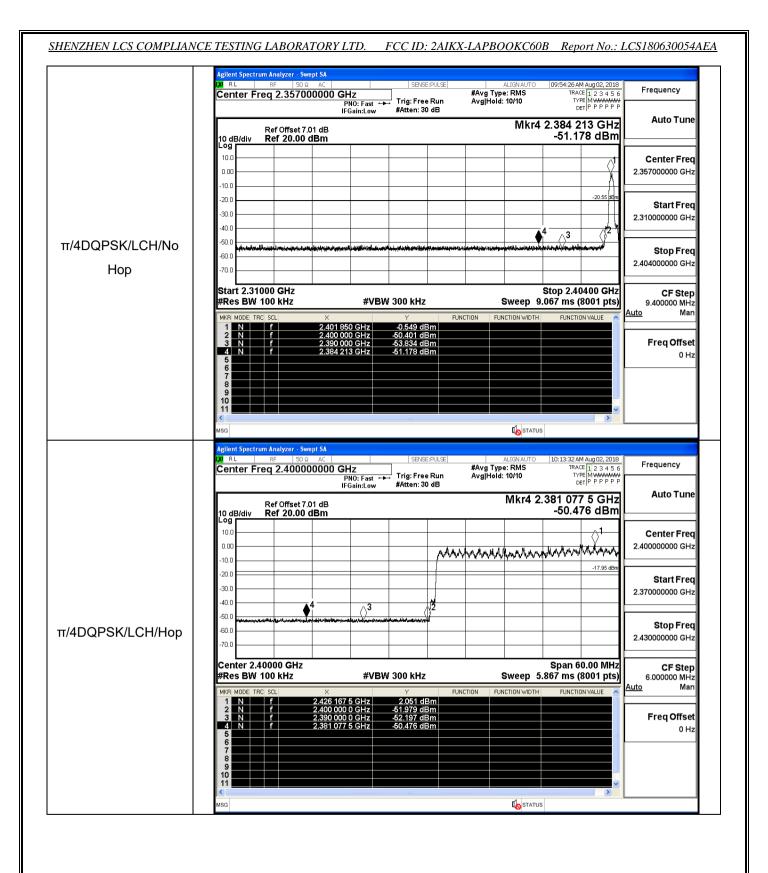


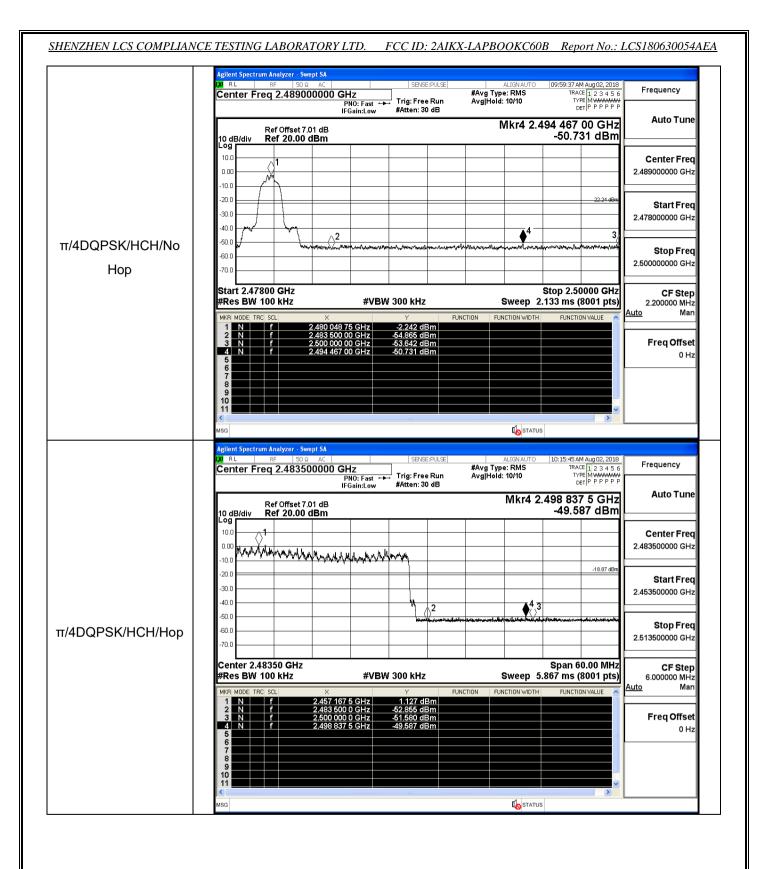
A.7 Band-edge for RF Conducted Emissions

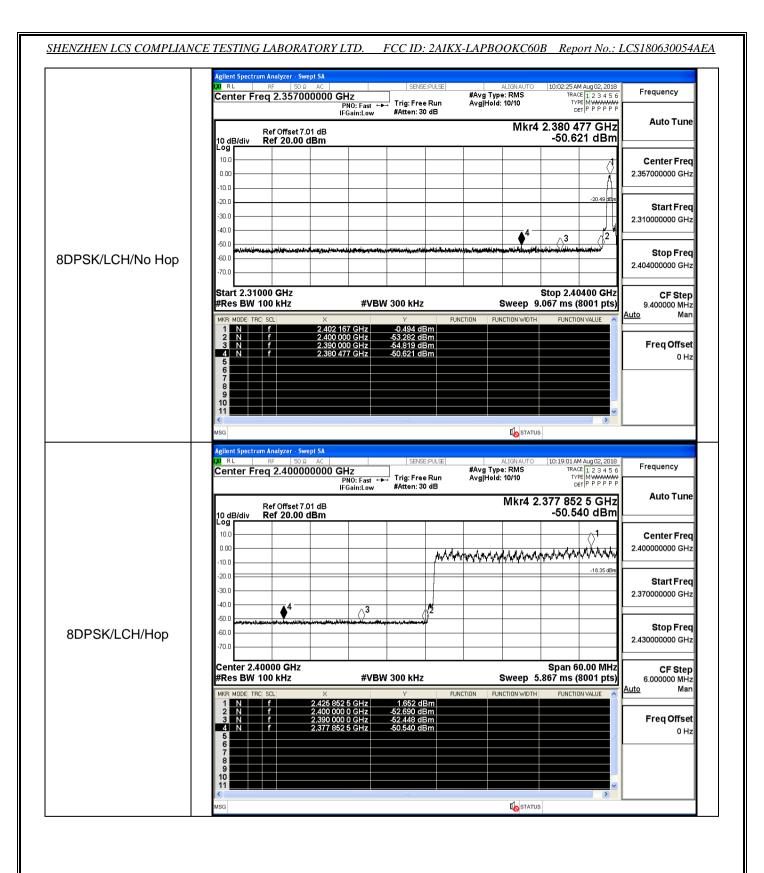
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
			0.590	Off	-50.418	-19.41	PASS
2-21/	LCH	2402	3.041	On	-51.101	-16.96	PASS
GFSK	нсн		-0.780	Off	-50.420	-20.78	PASS
		2480	2.195	On	-50.807	-17.81	PASS
	LCH	2402	-0.549	Off	-51.178	-20.55	PASS
			2.051	On	-50.476	-17.95	PASS
π/4DQPSK	нсн	2480	-2.242	Off	-50.731	-22.24	PASS
			1.127	On	-49.587	-18.87	PASS
			-0.494	Off	-50.621	-20.49	PASS
	LCH	2402	1.652	On	-50.540	-18.35	PASS
8DPSK			-1.973	Off	-51.087	-21.97	PASS
	HCH	2480	0.790	On	-49.674	-19.21	PASS

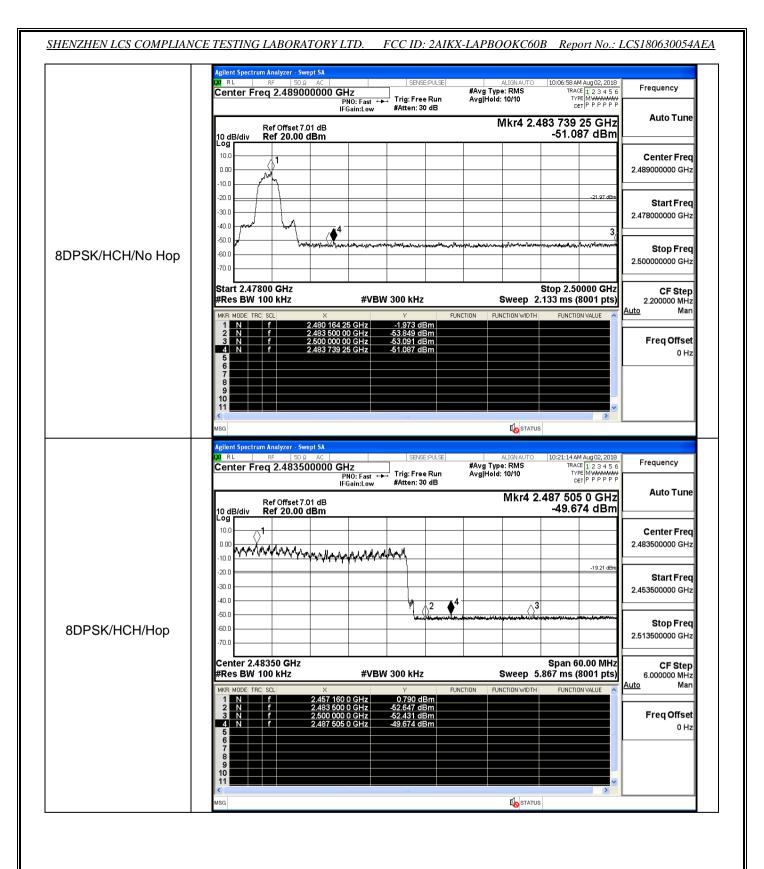






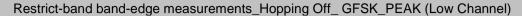


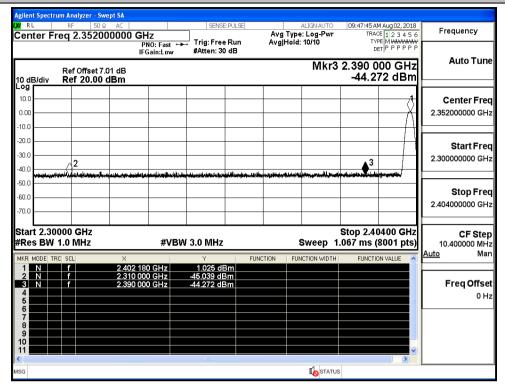




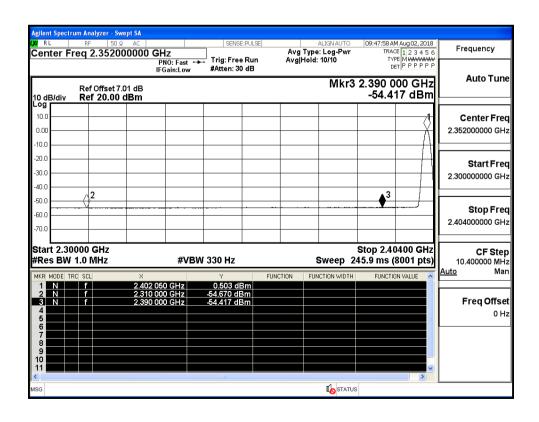
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-45.04	2.0	0	52.22	PEAK	74	PASS
	Off	2310.0	-54.67	2.0	0	42.59	AV	54	PASS
	Off	2390.0	-44.27	2.0	0	52.99	PEAK	74	PASS
	Off	2390.0	-54.42	2.0	0	42.84	AV	54	PASS
GFSK	Off	2483.5	-43.31	2.0	0	53.95	PEAK	74	PASS
	Off	2483.5	-54.25	2.0	0	43.00	AV	54	PASS
	Off	2500.0	-43.65	2.0	0	53.61	PEAK	74	PASS
	Off	2500.0	-54.16	2.0	0	43.10	AV	54	PASS
	Off	2310.0	-44.92	2.0	0	52.34	PEAK	74	PASS
	Off	2310.0	-54.76	2.0	0	42.50	AV	54	PASS
	Off	2390.0	-43.84	2.0	0	53.42	PEAK	74	PASS
	Off	2390.0	-54.52	2.0	0	42.74	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.92	2.0	0	53.34	PEAK	74	PASS
	Off	2483.5	-54.19	2.0	0	43.07	AV	54	PASS
	Off	2500.0	-44.61	2.0	0	52.65	PEAK	74	PASS
	Off	2500.0	-54.10	2.0	0	43.16	AV	54	PASS
	Off	2310.0	-44.62	2.0	0	52.64	PEAK	74	PASS
	Off	2310.0	-54.67	2.0	0	42.59	AV	54	PASS
	Off	2390.0	-43.39	2.0	0	53.87	PEAK	74	PASS
	Off	2390.0	-54.49	2.0	0	42.77	AV	54	PASS
8DPSK	Off	2483.5	-43.47	2.0	0	53.79	PEAK	74	PASS
	Off	2483.5	-54.20	2.0	0	43.06	AV	54	PASS
	Off	2500.0	-43.98	2.0	0	53.28	PEAK	74	PASS
	Off	2500.0	-54.05	2.0	0	43.21	AV	54	PASS

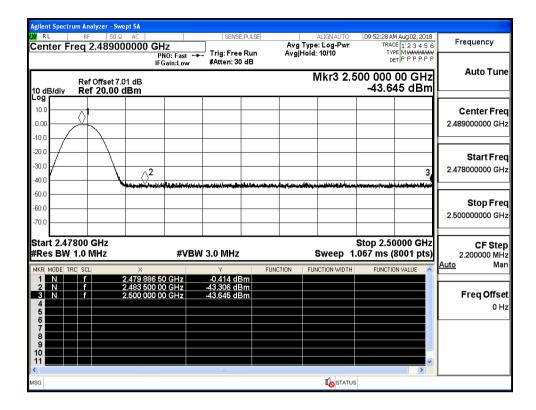




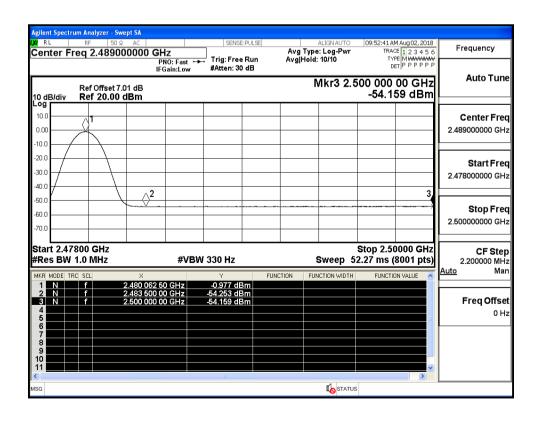
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



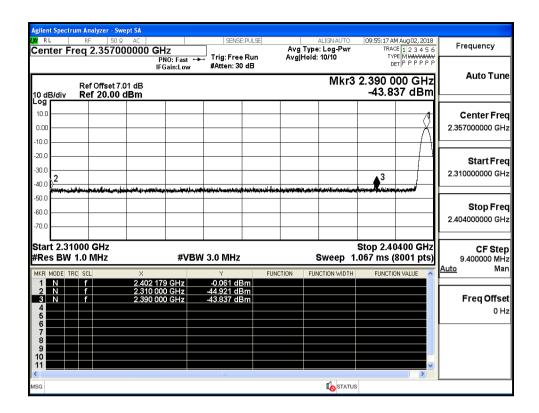
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



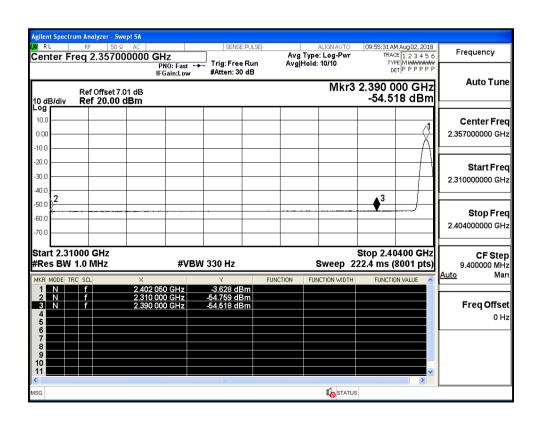
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



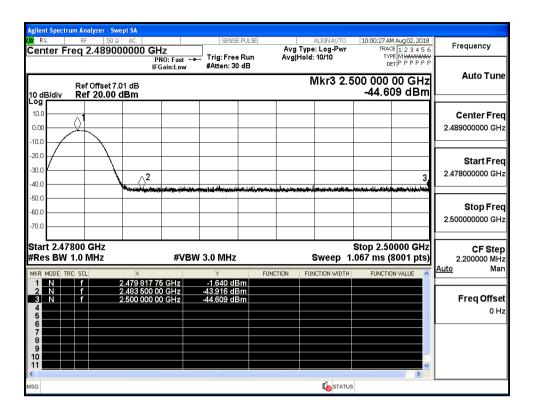
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



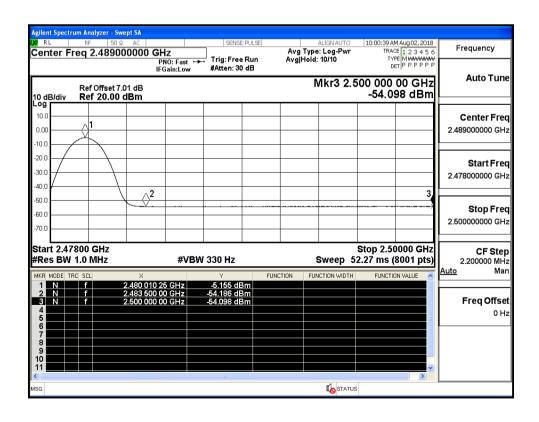
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



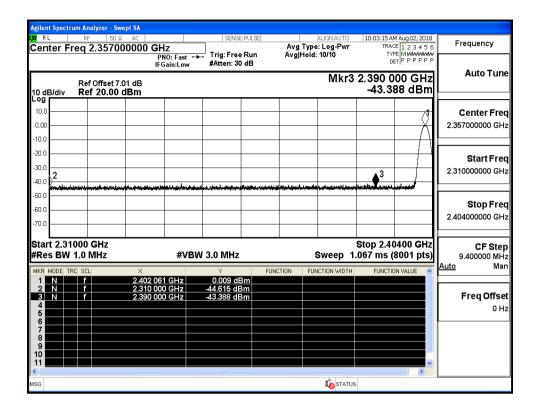
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



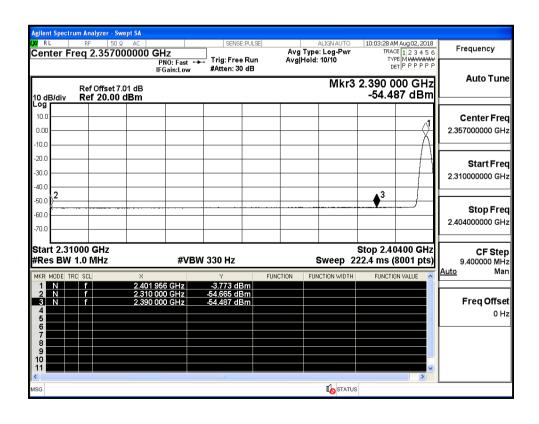
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



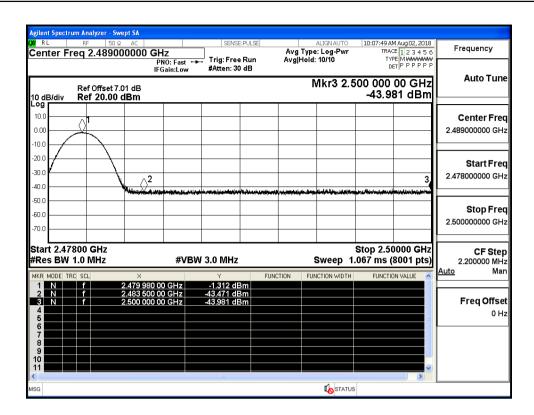
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

