Appendix A

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

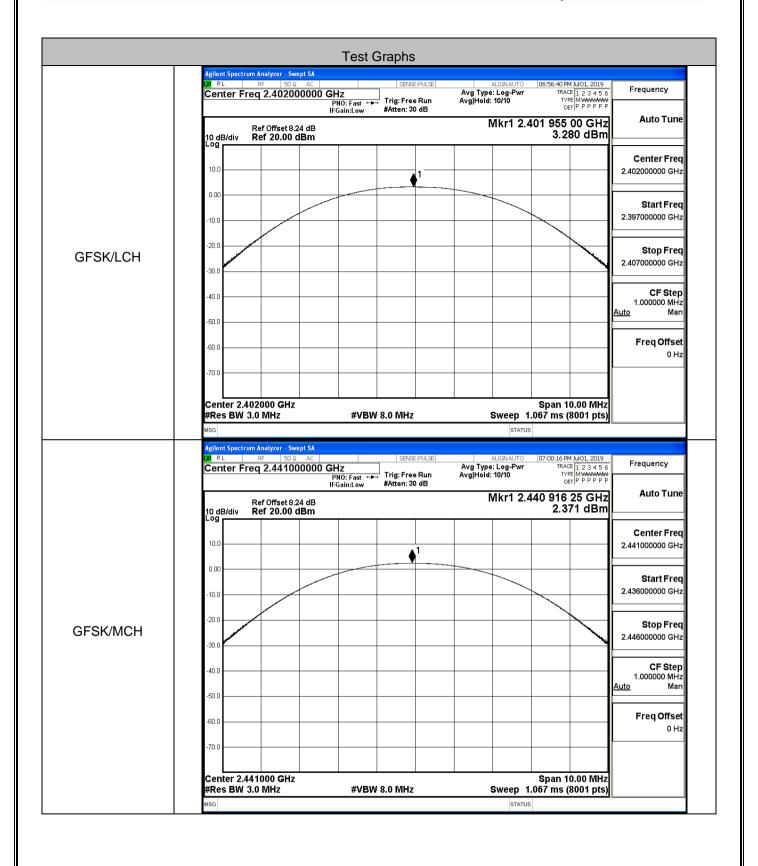
Product Name: TWS Bluetooth Headset Trade Mark: U&I **Test Model: BS246GB**

Environmental Conditions

Temperature:	25.1 ° 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

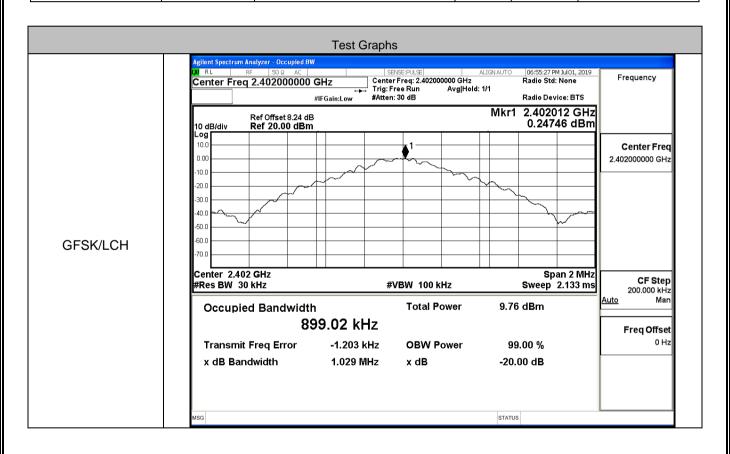
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	3.280	30	PASS
GFSK	MCH	2.371	30	PASS
	НСН	1.050	30	PASS
	LCH	5.449	21	PASS
π/4DQPSK	MCH	4.493	21	PASS
	НСН	2.427	21	PASS
	LCH	5.707	21	PASS
8DPSK	DPSK MCH 4.503		21	PASS
	HCH	2.841	21	PASS



STATUS

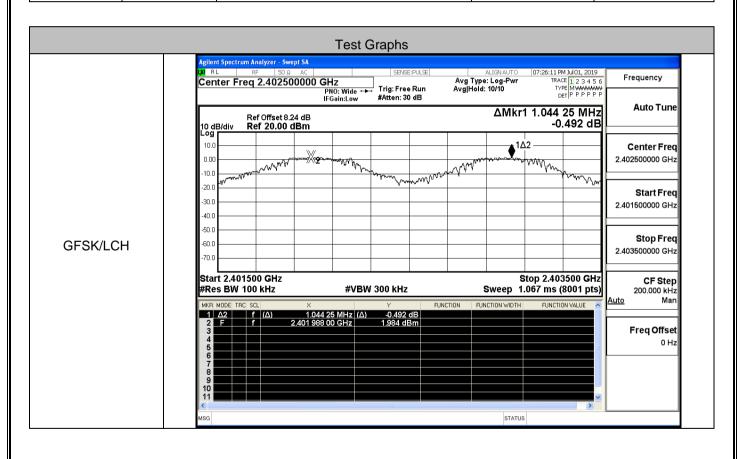
A.2 20dB Bandwidth

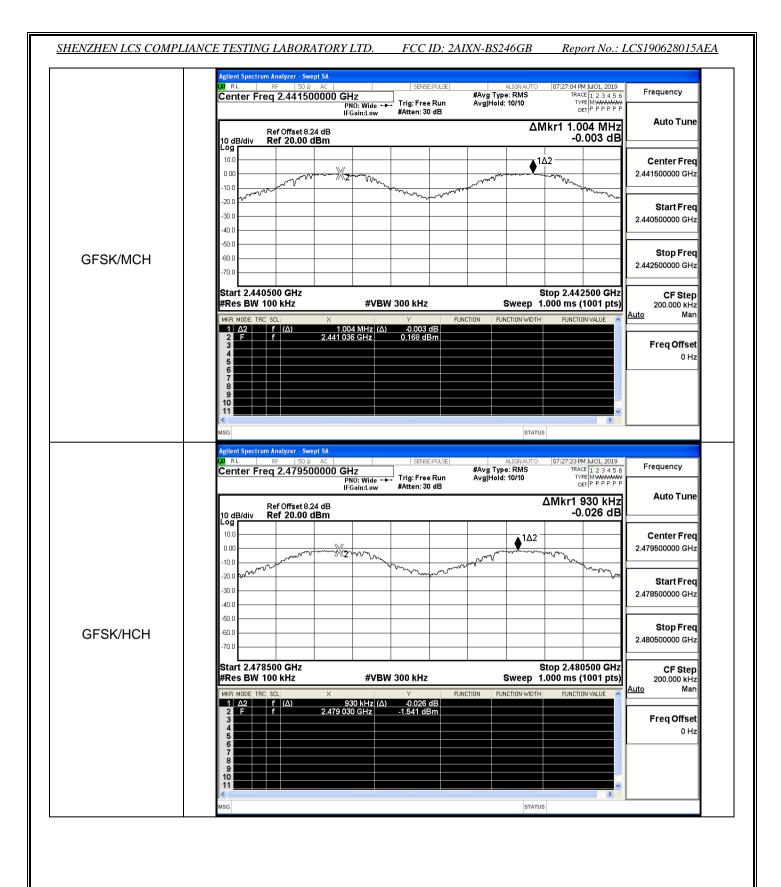
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.029	Not Specified	PASS
GFSK	MCH	1.021	Not Specified	PASS
	НСН	1.025	Not Specified	PASS
π/4DQPSK	LCH	1.373	Not Specified	PASS
	MCH	1.372	Not Specified	PASS
	НСН	1.371	Not Specified	PASS
	LCH	1.353	Not Specified	PASS
8DPSK	MCH	1.353	Not Specified	PASS
	НСН	1.351	Not Specified	PASS

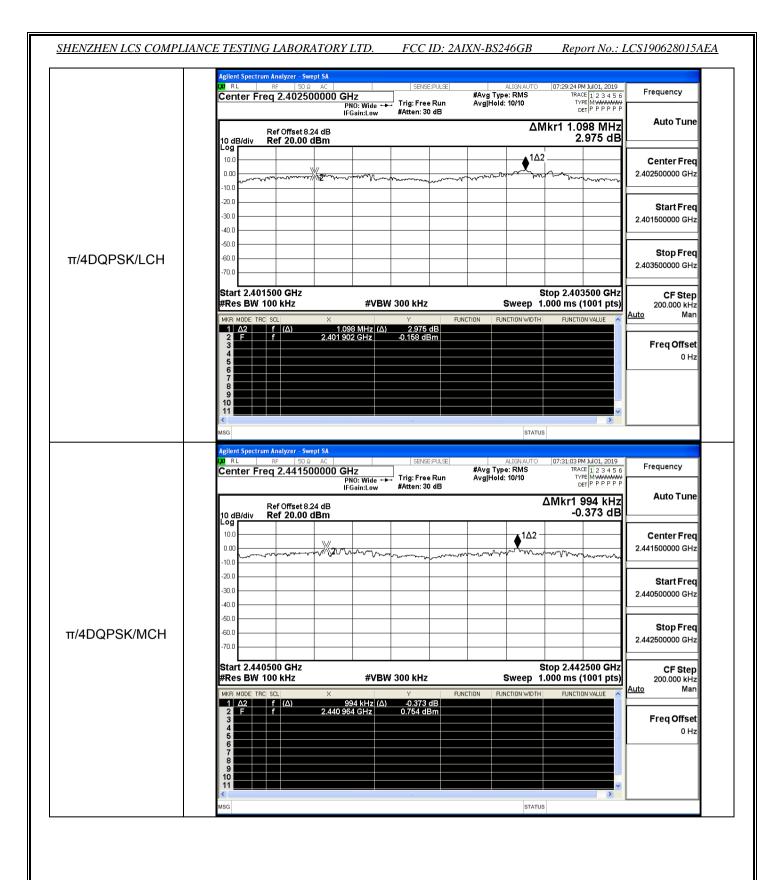


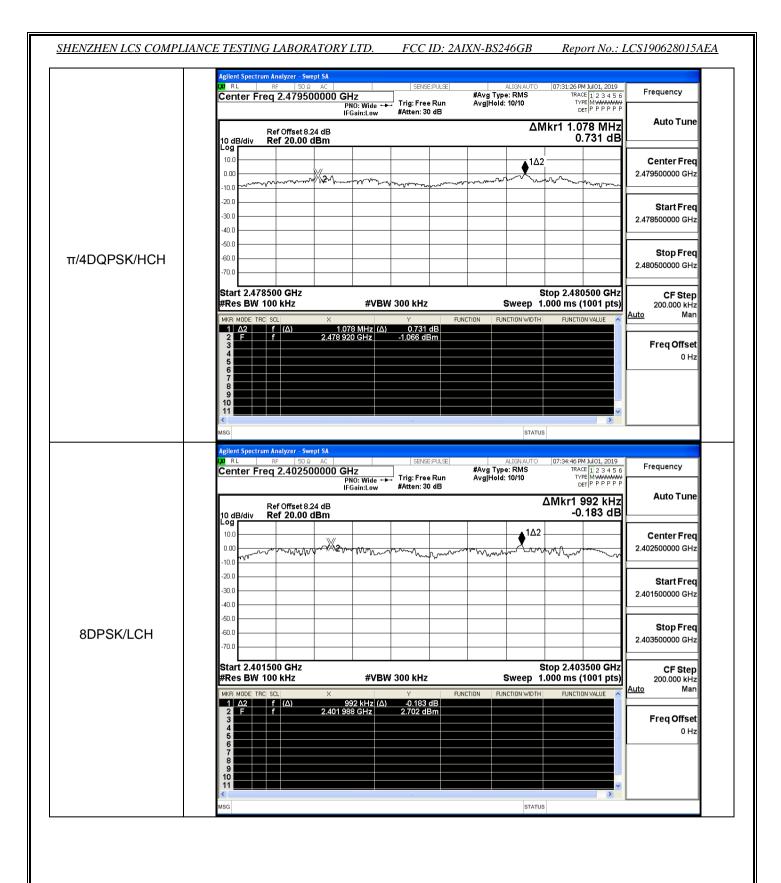
A.3 Carrier Frequency Separation

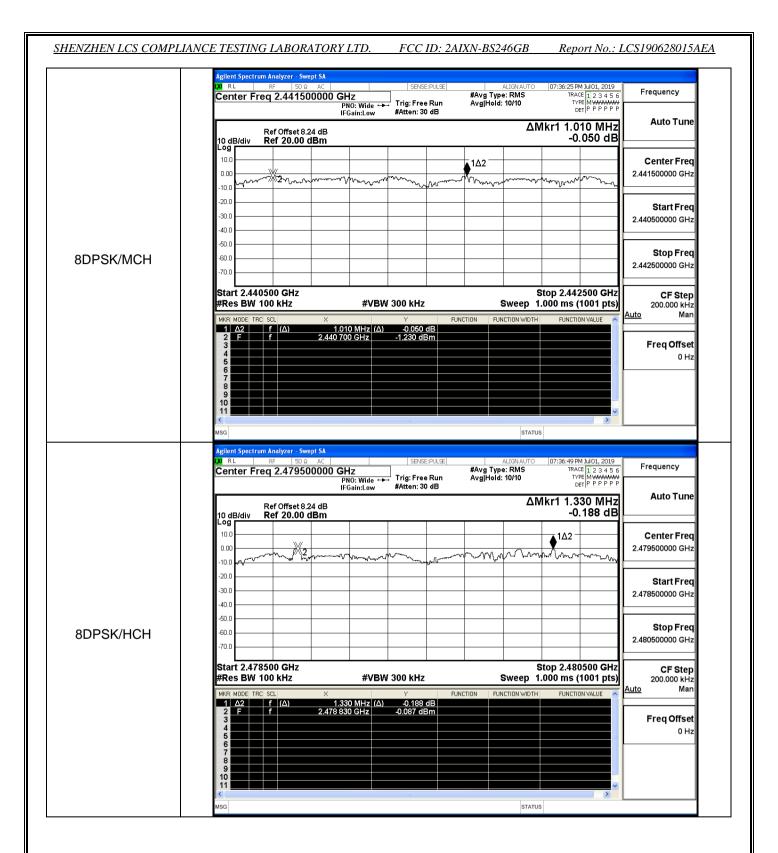
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.044	0.686	PASS
GFSK	MCH	1.004	0.686	PASS
	HCH	0.930	0.686	PASS
	LCH	1.098	0.915	PASS
π/4DQPSK	MCH	0.994	0.915	PASS
	HCH	1.078	0.915	PASS
	LCH	0.992	0.902	PASS
8DPSK	MCH	1.010	0.902	PASS
	HCH	1.330	0.902	PASS





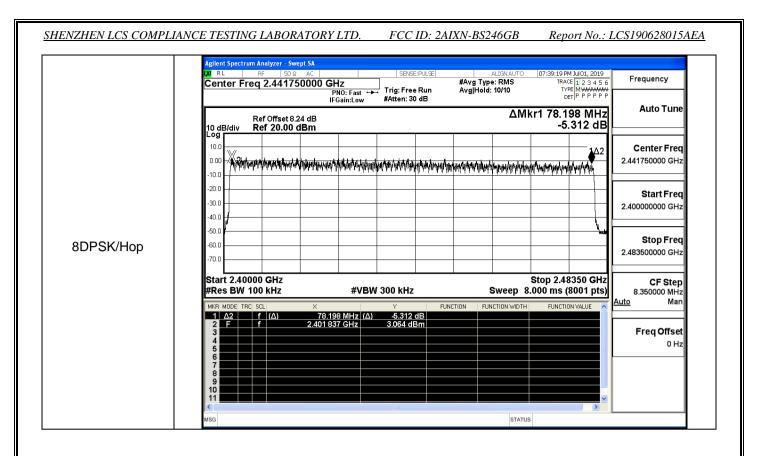






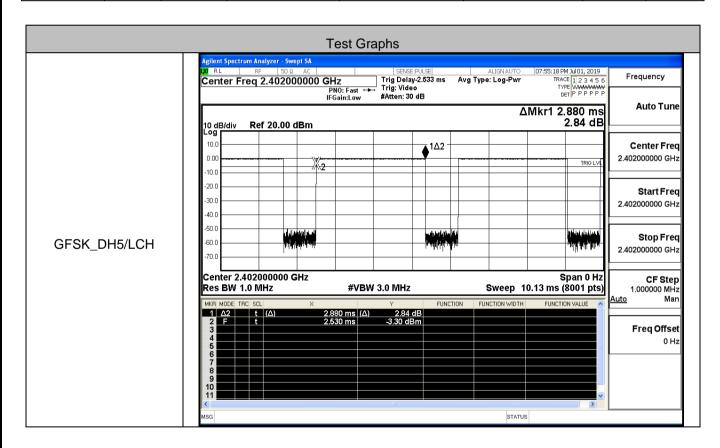
A.4 Hopping Channel Number

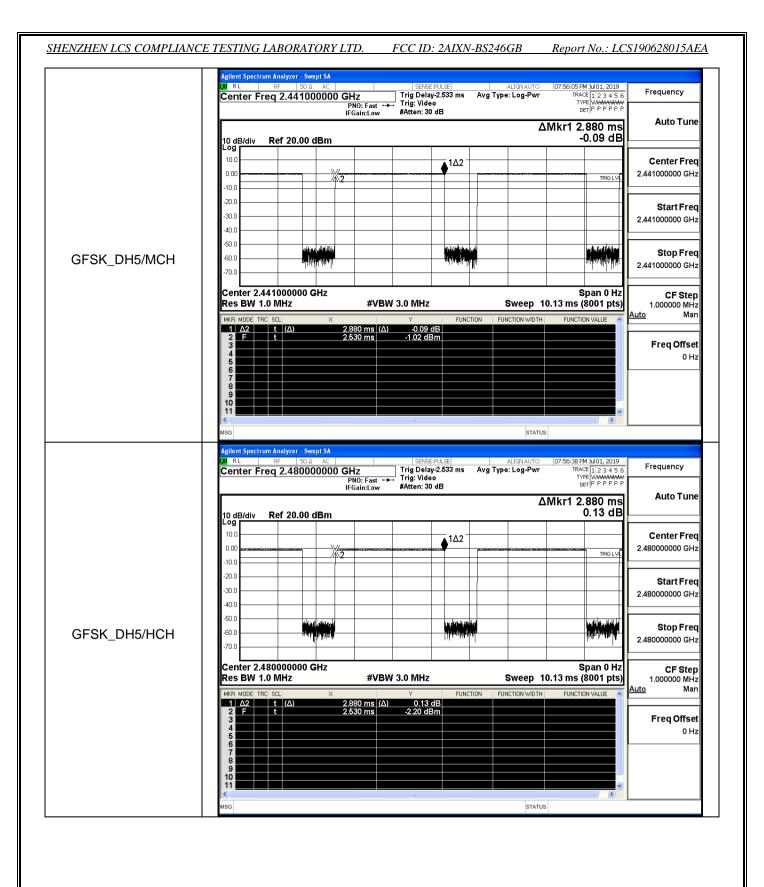
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

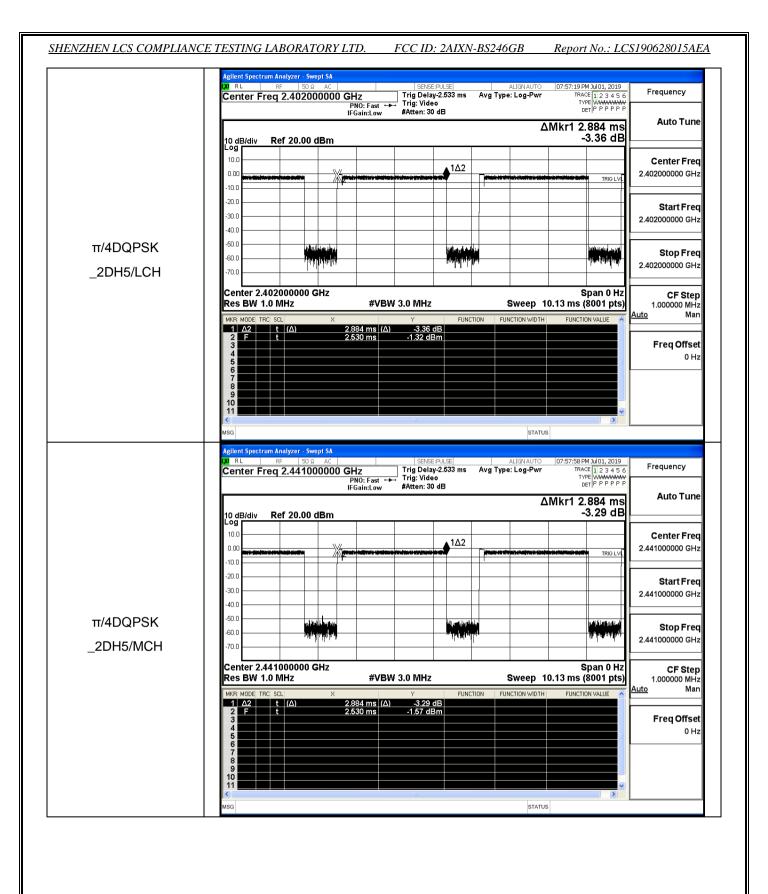


A.5 Dwell Time

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	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	НСН	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

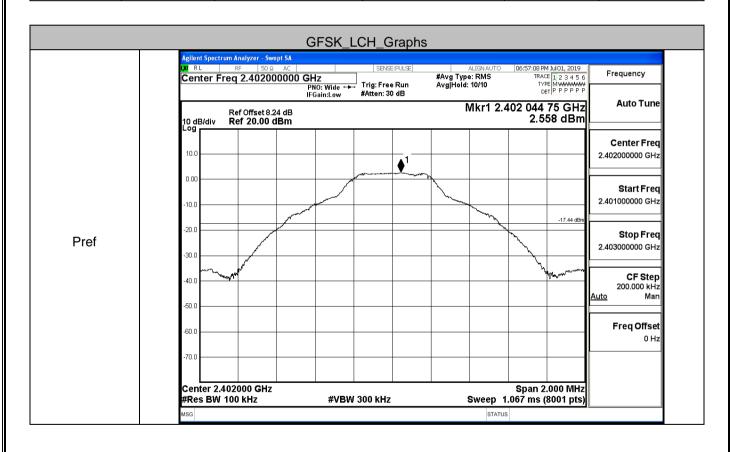






A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	2.558	-36.872	-17.442	PASS
GFSK	MCH	1.619	-38.207	-18.381	PASS
	НСН	0.285	-41.378	-19.715	PASS
	LCH	1.306	-36.100	-18.694	PASS
π/4DQPSK	MCH	0.34	-37.338	-19.660	PASS
	НСН	-1.772	-39.373	-21.772	PASS
	LCH	1.057	-38.376	-18.943	PASS
8DPSK	MCH	-0.288	-40.532	-20.288	PASS
	HCH	-1.968	-41.366	-21.968	PASS



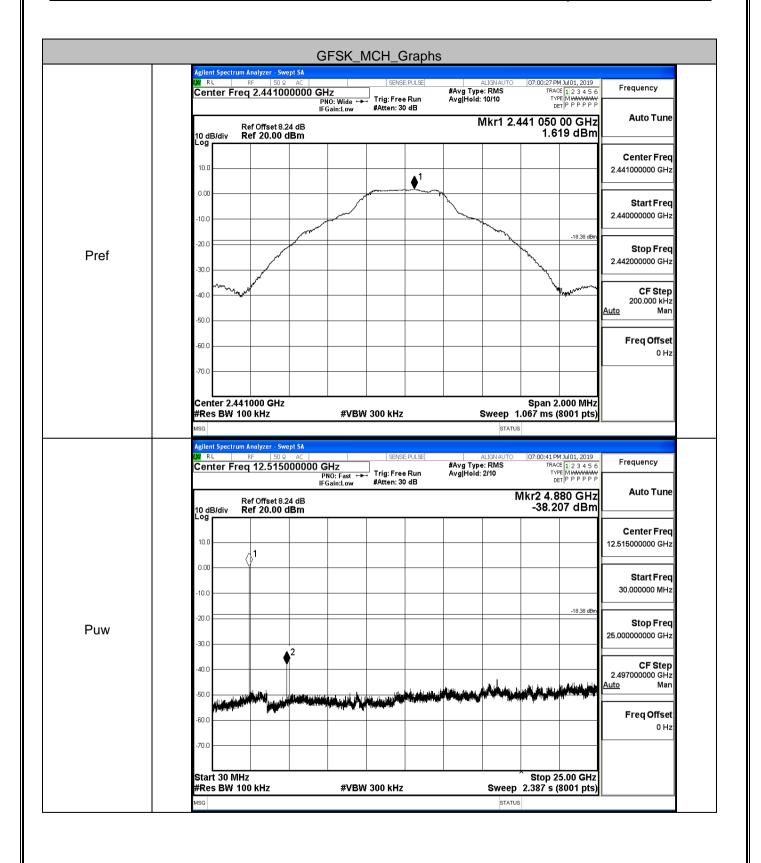
#VBW 300 kHz

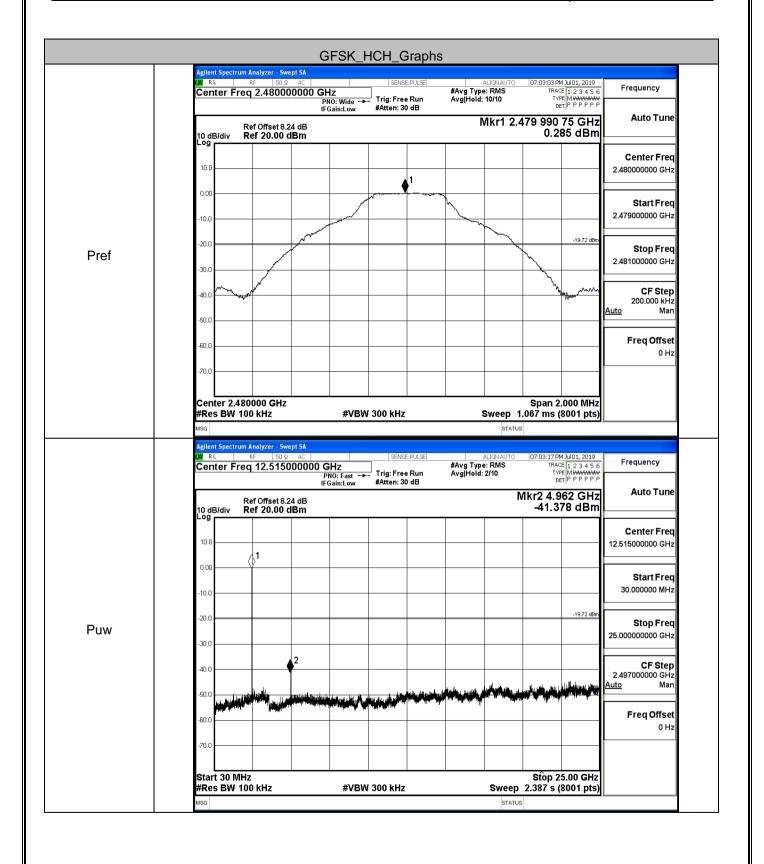
Stop 25.00 GHz Sweep 2.387 s (8001 pts)

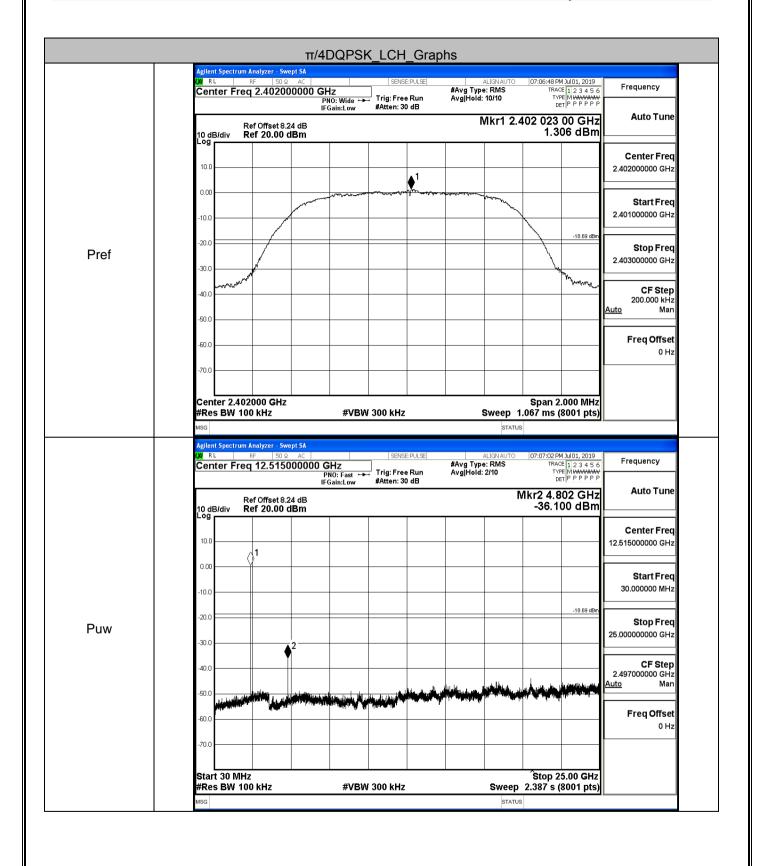
STATUS

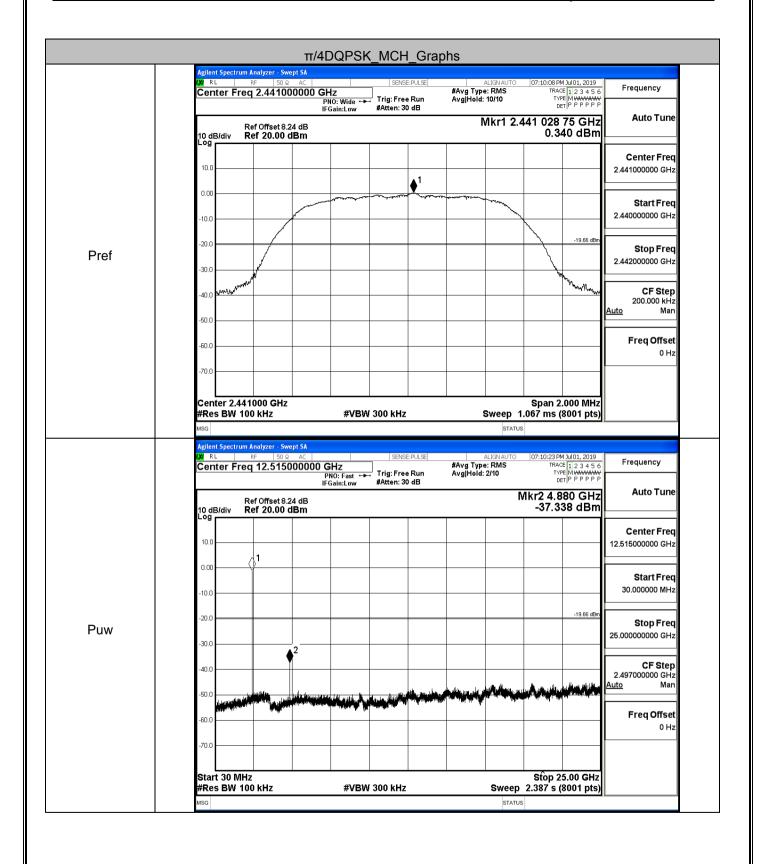
-70.0

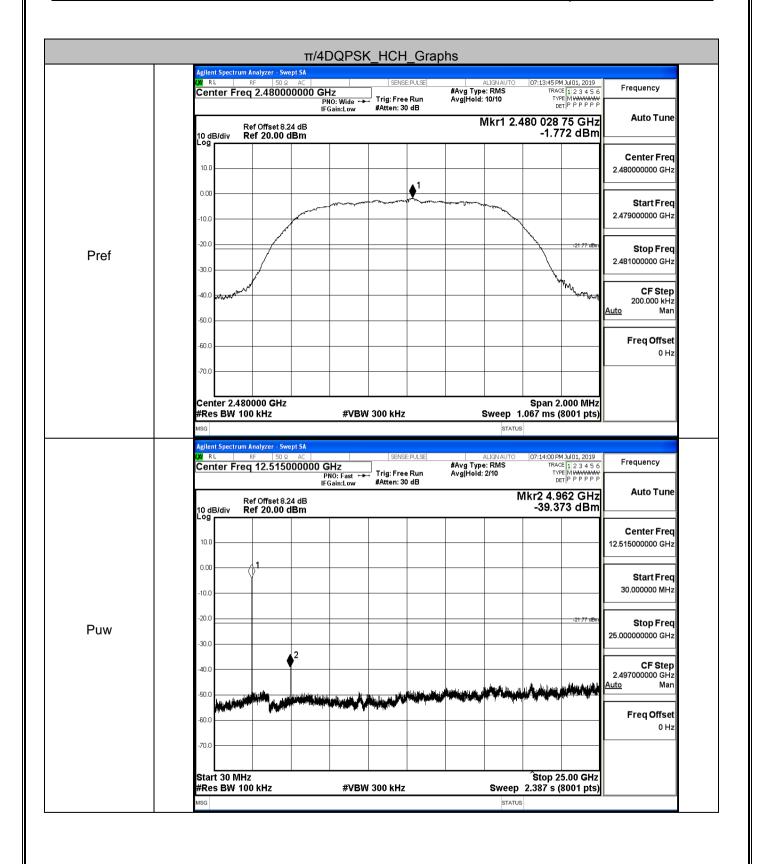
Start 30 MHz #Res BW 100 kHz

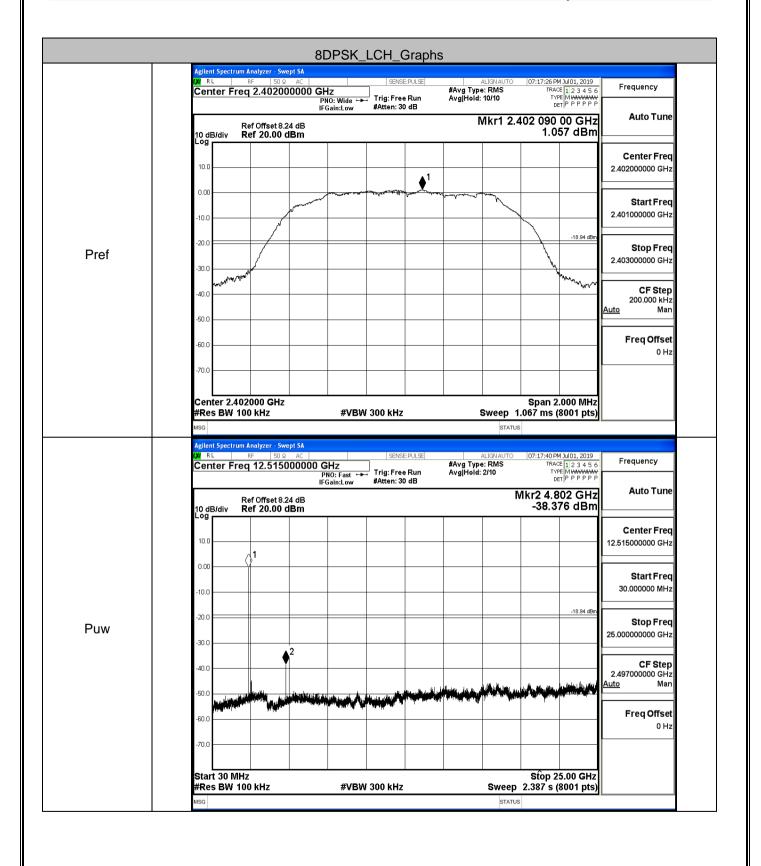


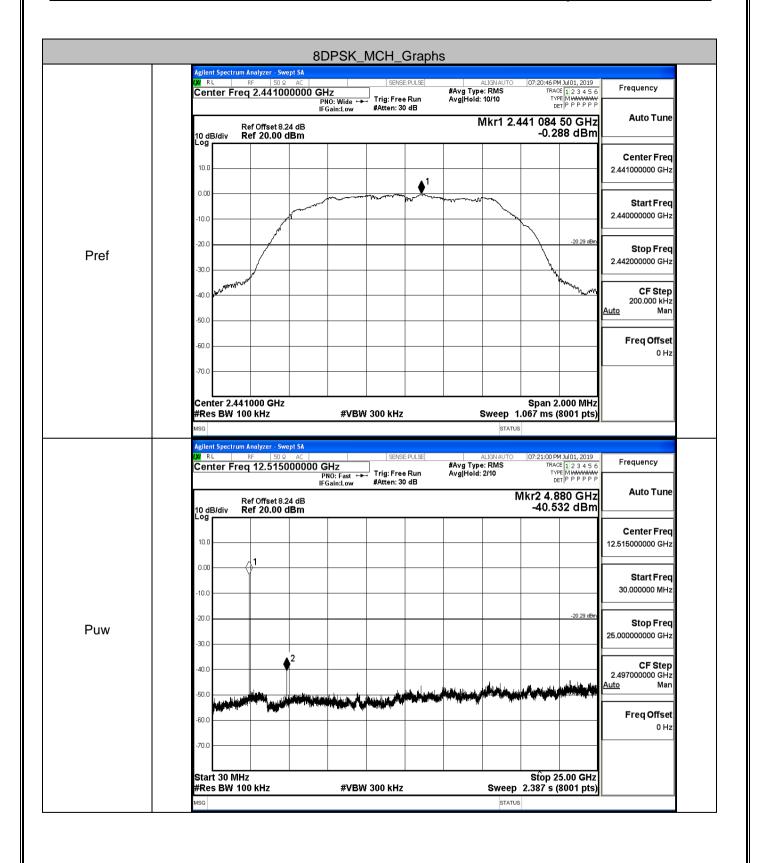


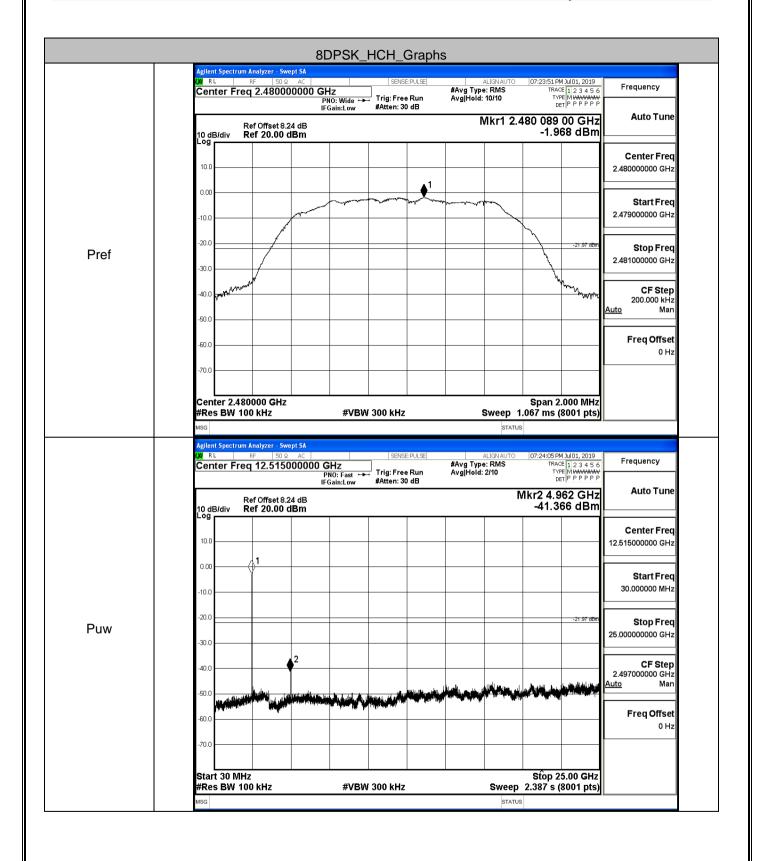






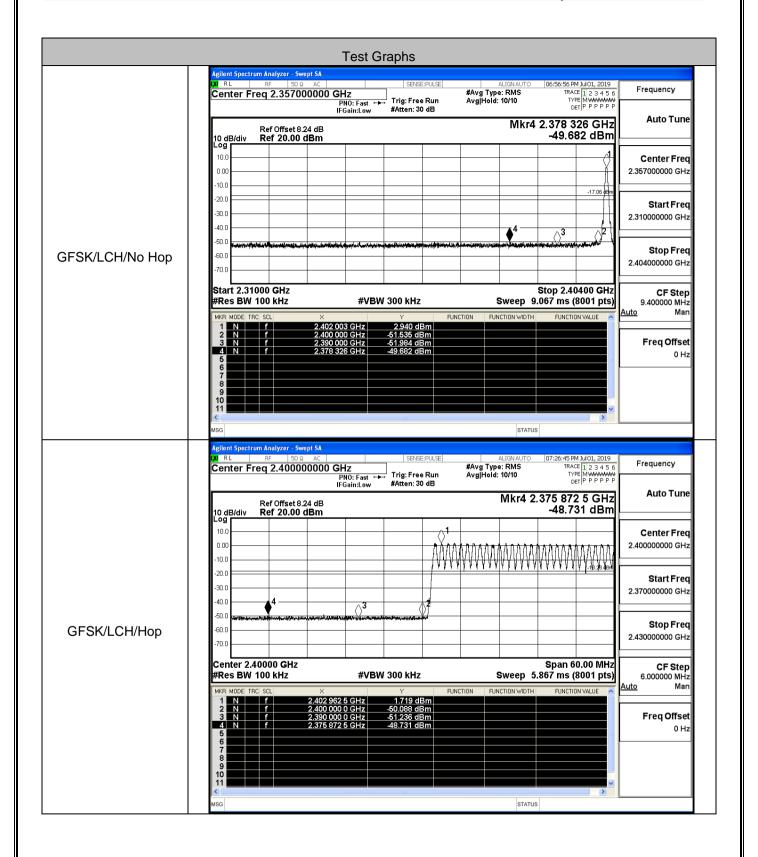


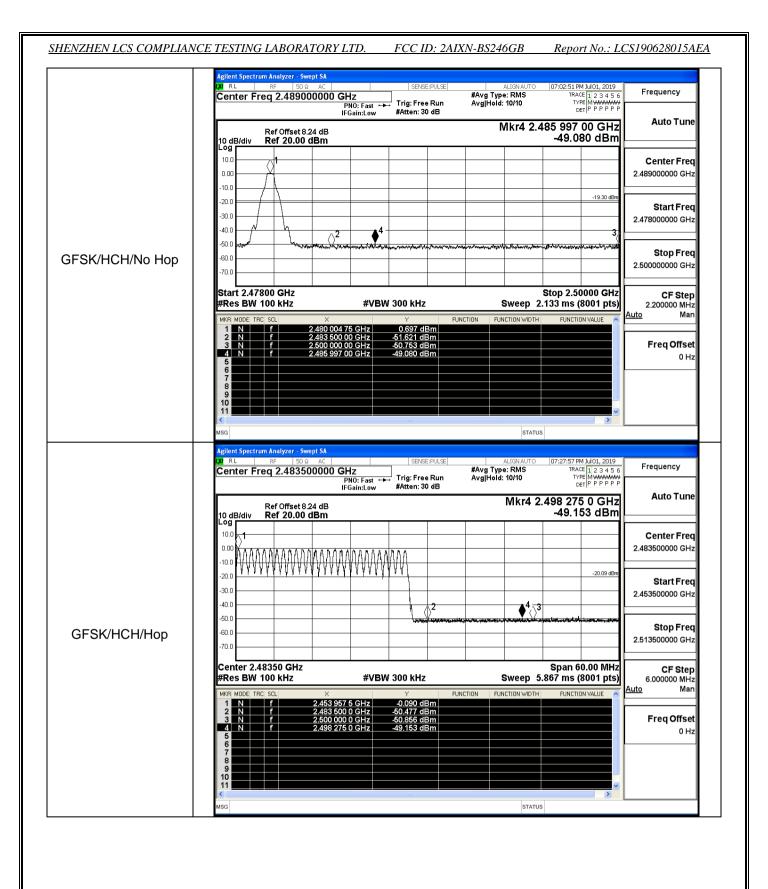


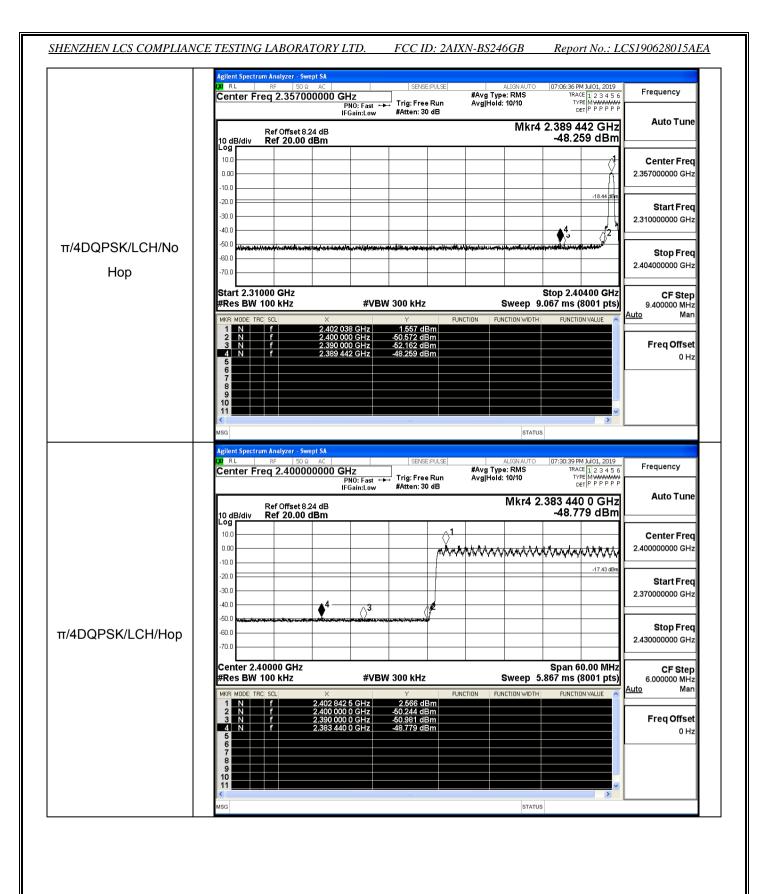


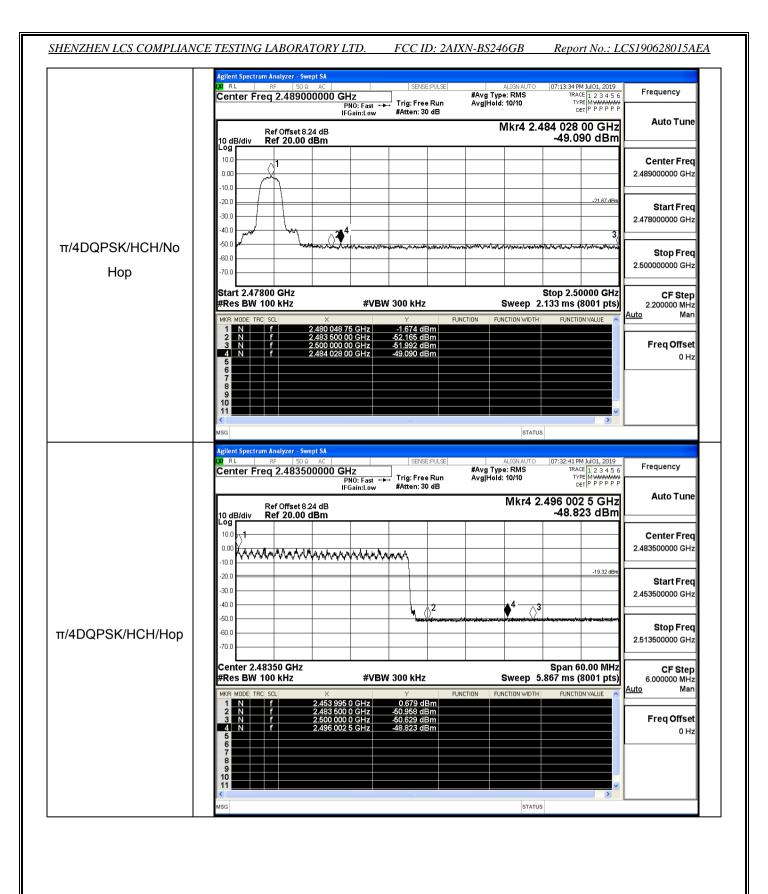
A.7 Band-edge for RF Conducted Emissions

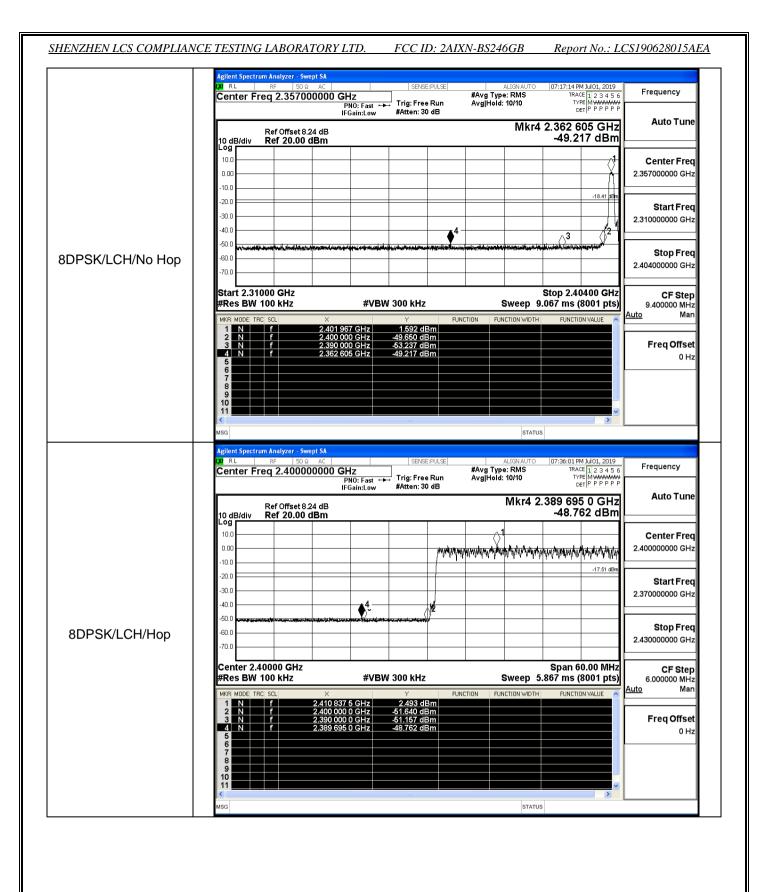
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			2.940	Off	-49.682	-17.06	PASS	
0.501/	LCH	2402	1.719	On	-48.731	-18.28	PASS	
GFSK	нсн		0.697	Off	-49.080	-19.3	PASS	
		2480	-0.090	On	-49.153	-20.09	PASS	
	LCH			1.557	Off	-48.259	-18.44	PASS
		2402	2.566	On	-48.779	-17.43	PASS	
π/4DQPSK	нсн	2480	-1.674	Off	-49.090	-21.67	PASS	
			0.679	On	-48.823	-19.32	PASS	
			1.592	Off	-49.217	-18.41	PASS	
	LCH	2402	2.493	On	-48.762	-17.51	PASS	
8DPSK		2.100	-1.462	Off	-49.072	-21.46	PASS	
	HCH	2480	0.712	On	-48.457	-19.29	PASS	

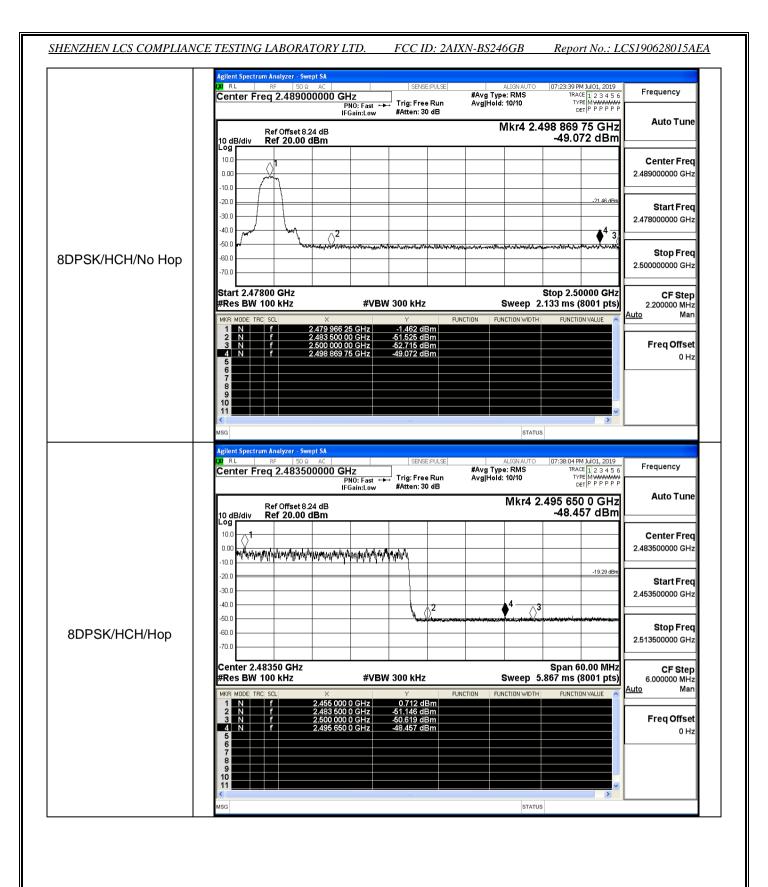






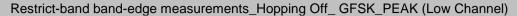


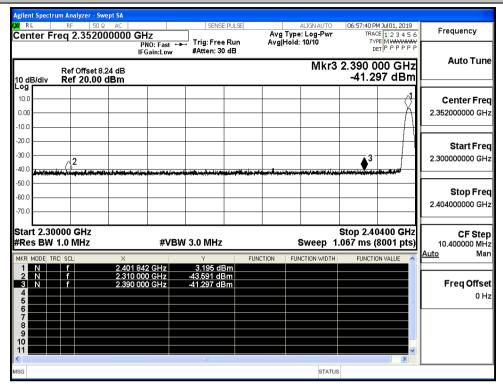




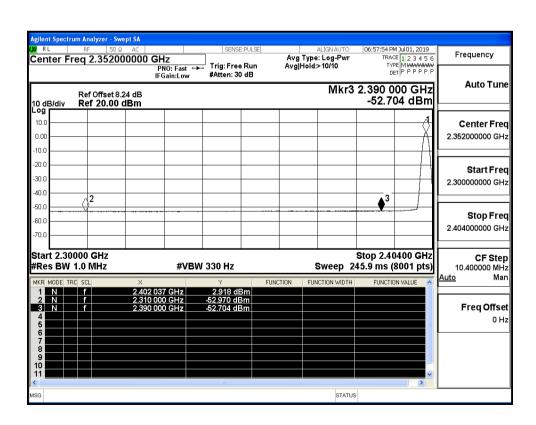
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.59	2.0	0	51.67	PEAK	74	PASS
	Off	2310.0	-52.97	2.0	0	42.29	AV	54	PASS
	Off	2390.0	-41.30	2.0	0	53.96	PEAK	74	PASS
	Off	2390.0	-52.70	2.0	0	42.55	AV	54	PASS
GFSK	Off	2483.5	-42.04	2.0	0	53.22	PEAK	74	PASS
	Off	2483.5	-52.17	2.0	0	43.09	AV	54	PASS
	Off	2500.0	-41.78	2.0	0	53.48	PEAK	74	PASS
	Off	2500.0	-52.37	2.0	0	42.88	AV	54	PASS
	Off	2310.0	-43.52	2.0	0	51.74	PEAK	74	PASS
	Off	2310.0	-53.02	2.0	0	42.23	AV	54	PASS
	Off	2390.0	-41.99	2.0	0	53.27	PEAK	74	PASS
	Off	2390.0	-52.73	2.0	0	42.52	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.29	2.0	0	52.97	PEAK	74	PASS
	Off	2483.5	-52.20	2.0	0	43.06	AV	54	PASS
	Off	2500.0	-42.70	2.0	0	52.56	PEAK	74	PASS
	Off	2500.0	-52.33	2.0	0	42.93	AV	54	PASS
	Off	2310.0	-42.43	2.0	0	52.82	PEAK	74	PASS
	Off	2310.0	-52.94	2.0	0	42.31	AV	54	PASS
	Off	2390.0	-39.64	2.0	0	55.62	PEAK	74	PASS
	Off	2390.0	-52.74	2.0	0	42.52	AV	54	PASS
8DPSK	Off	2483.5	-41.66	2.0	0	53.60	PEAK	74	PASS
	Off	2483.5	-52.18	2.0	0	43.08	AV	54	PASS
	Off	2500.0	-42.34	2.0	0	52.92	PEAK	74	PASS
	Off	2500.0	-52.26	2.0	0	43.00	AV	54	PASS

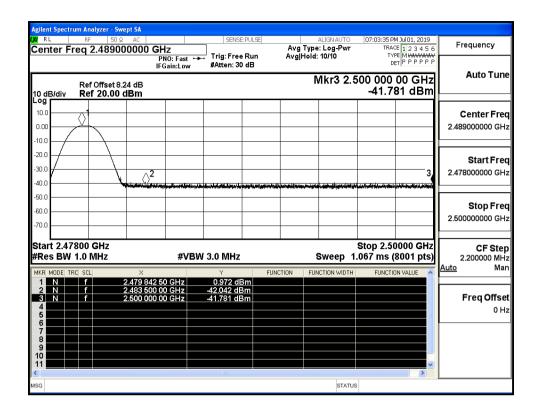




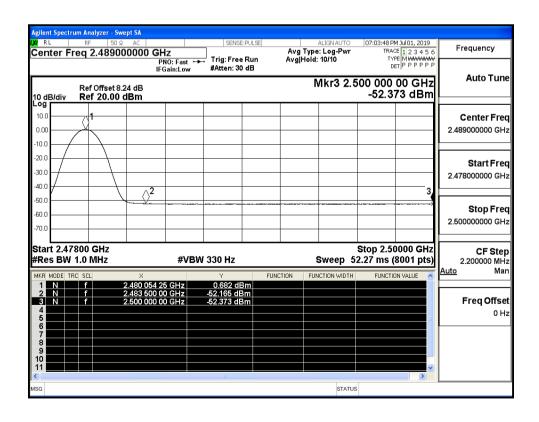
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



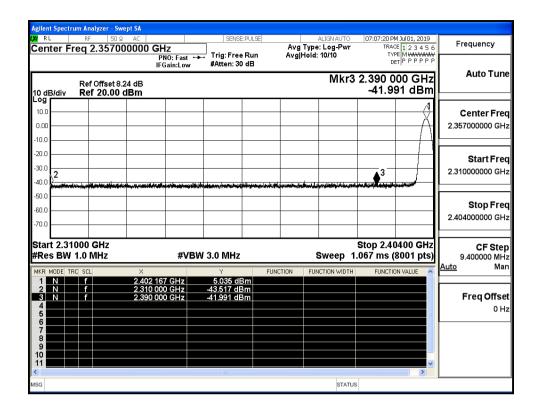
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



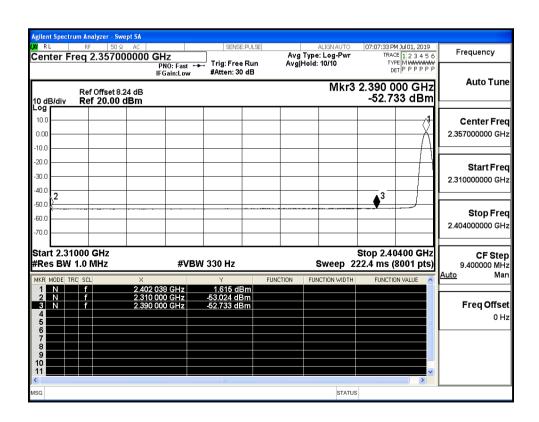
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



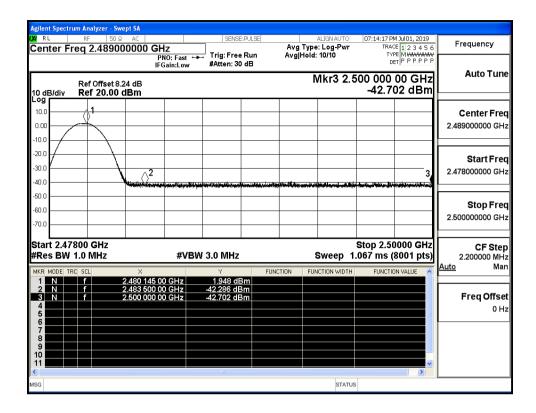
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



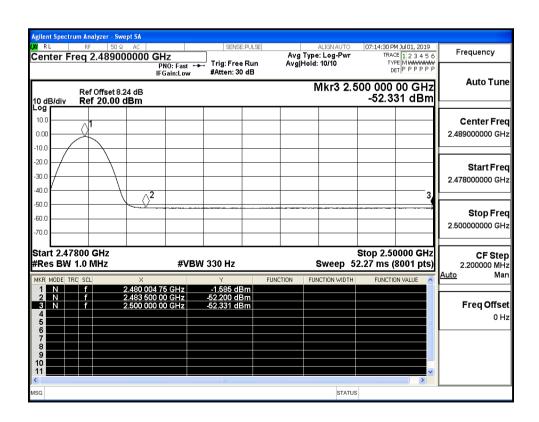
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



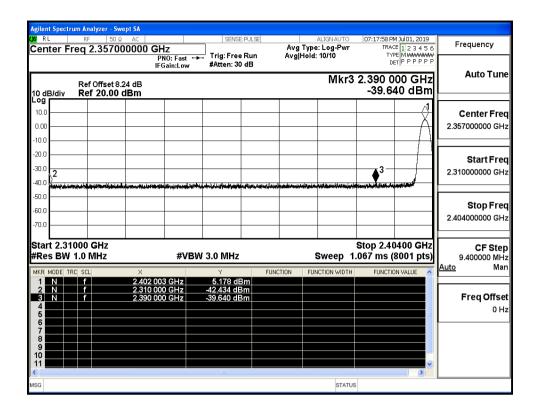
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



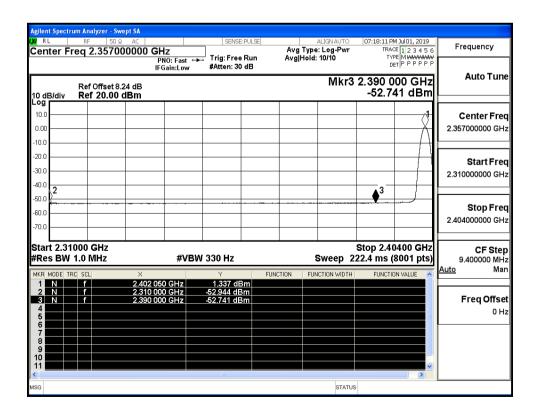
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



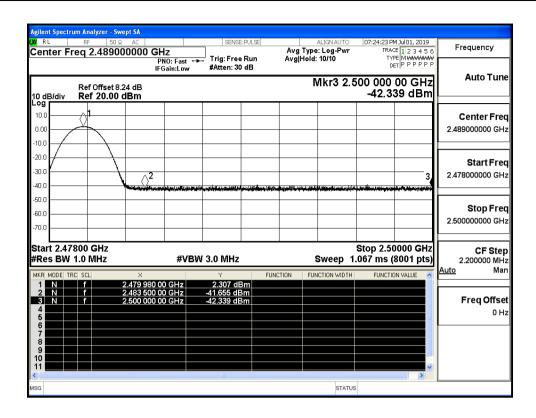
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

