# Appendix A

# RF Test Data for BT V3.0(BDR/EDR) (Conducted Measurement)

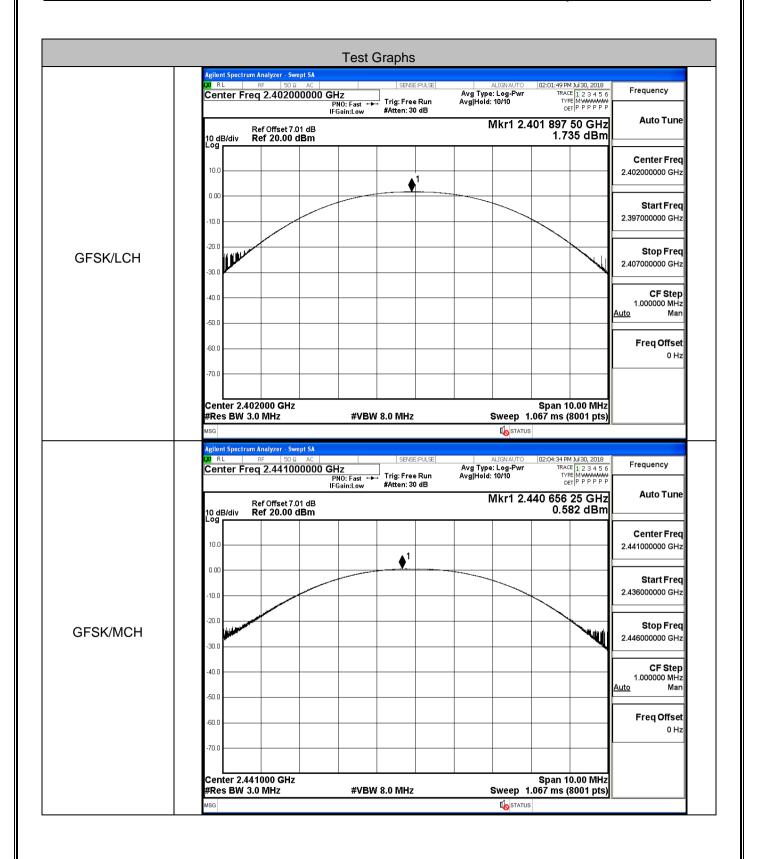
Product Name: Mobile Phone
Trade Mark: E&L, EL, KXD, KENXINDA, Ken mobile
Test Model: W6

#### **Environmental Conditions**

Temperature:	22.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom Liu
Supervised by:	Jayden Zhuo

### **A.1 Maxmum Conducted Peak Output Power**

Mode	Channel.	Maximum Peak Output Power [dBm]	Maximum Average Output Power [dBm]	Limit [dBm]	Verdict
	LCH	1.735	1.433	21	PASS
GFSK	MCH	0.582	0.225	21	PASS
	НСН	1.398	1.088	21	PASS
	LCH	0.987	0.656	21	PASS
π/4DQPSK	MCH	-0.090	-0.429	21	PASS
	НСН	0.618	0.314	21	PASS
	LCH	1.002	0.671	21	PASS
8DPSK	MCH	-0.024	-0.382	21	PASS
	НСН	0.630	0.294	21	PASS



**#VBW 8.0 MHz** 

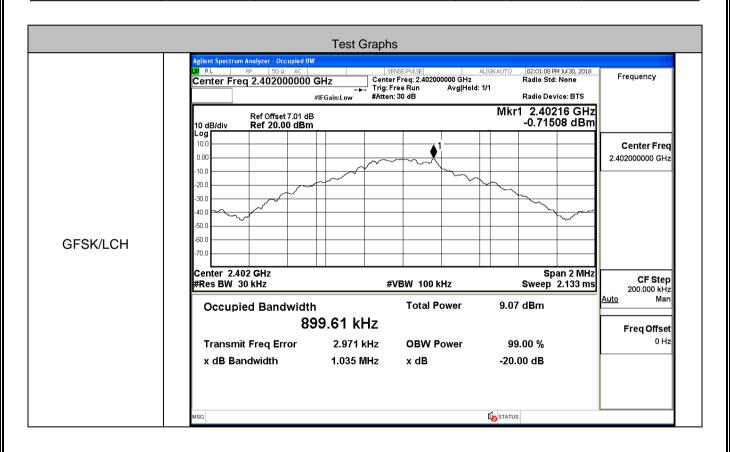
Span 10.00 MHz Sweep 1.067 ms (8001 pts)

STATUS

Center 2.480000 GHz #Res BW 3.0 MHz

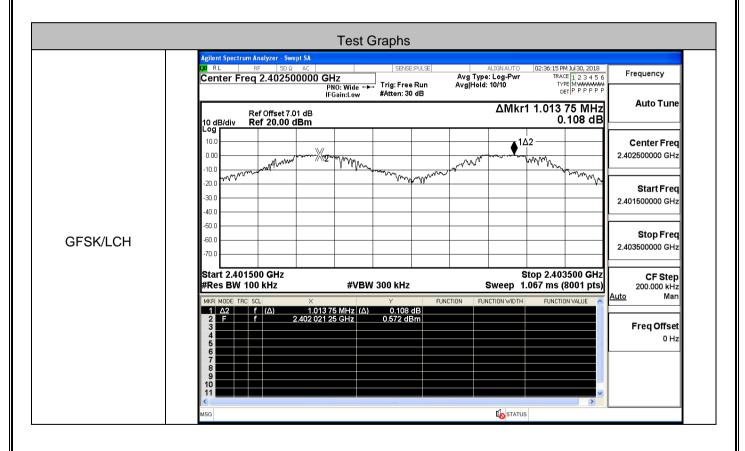
#### A.2 20dB Bandwidth

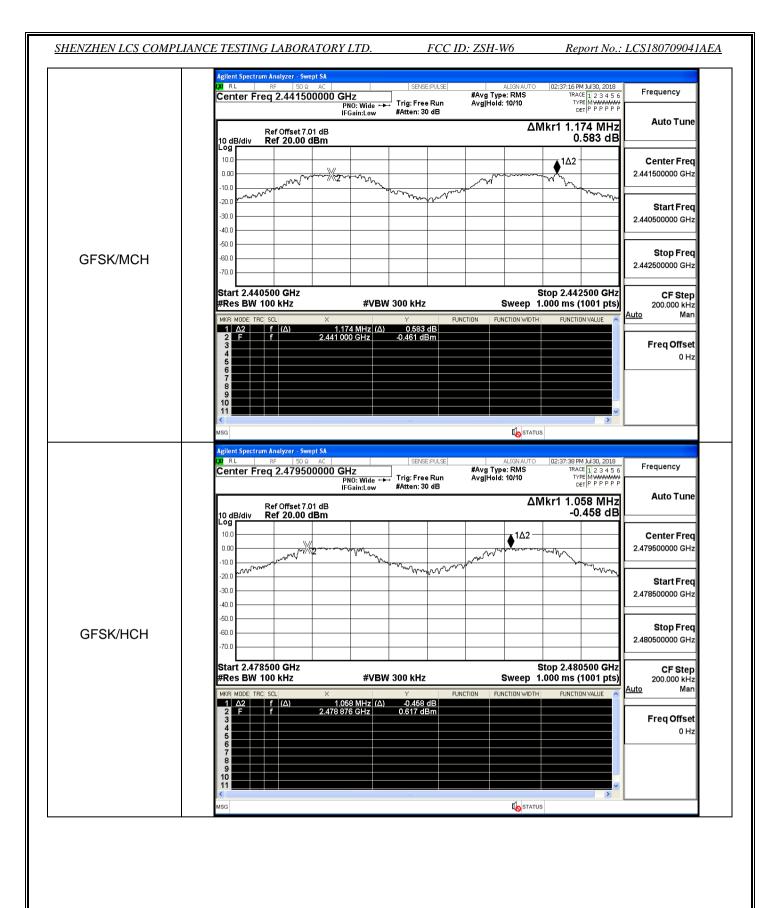
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.035	Not Specified	PASS
GFSK	MCH	1.036	Not Specified	PASS
	HCH	1.036	Not Specified	PASS
	LCH	1.291	Not Specified	PASS
π/4DQPSK	MCH	1.313	Not Specified	PASS
	НСН	1.310	Not Specified	PASS
	LCH	1.293	Not Specified	PASS
8DPSK	MCH	1.299	Not Specified	PASS
	НСН	1.295	Not Specified	PASS



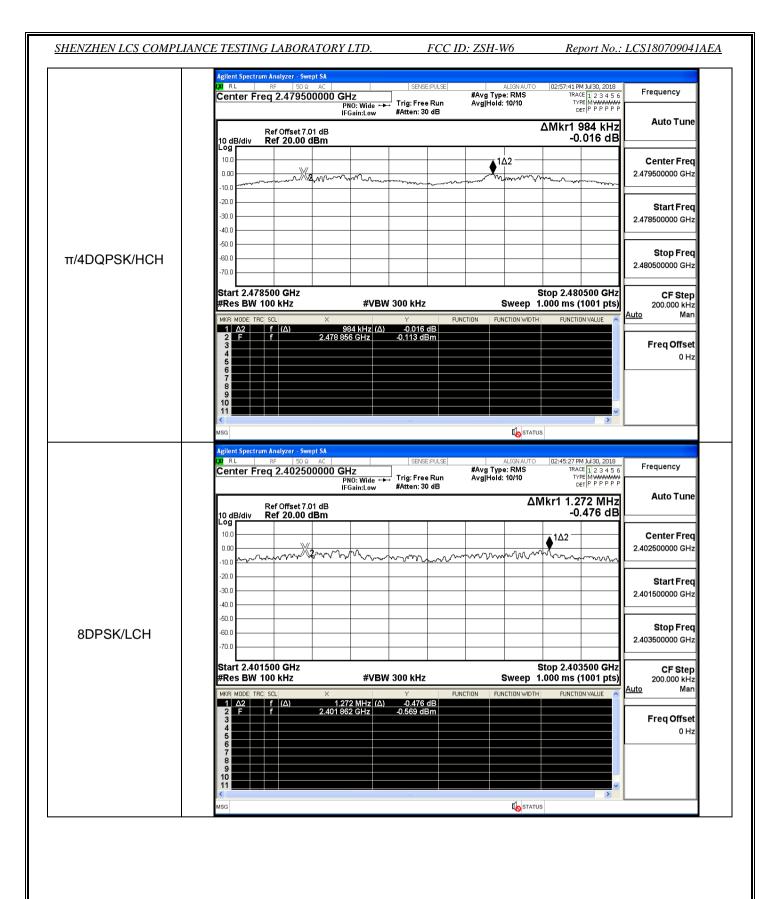
### **A.3 Carrier Frequency Separation**

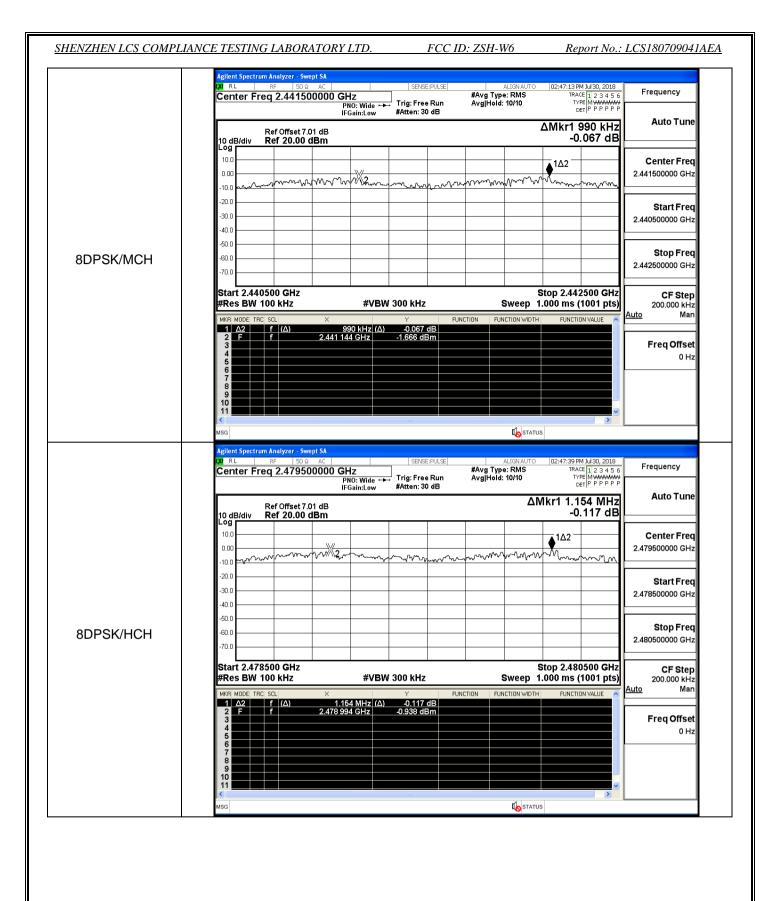
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.014	0.691	PASS
GFSK	MCH	1.174	0.691	PASS
	HCH	1.058	0.691	PASS
	LCH	1.026	0.875	PASS
π/4DQPSK	MCH	1.324	0.875	PASS
	HCH	0.984	0.875	PASS
	LCH	1.272	0.866	PASS
8DPSK	PSK MCH 0.990		0.866	PASS
	HCH	1.154	0.866	PASS





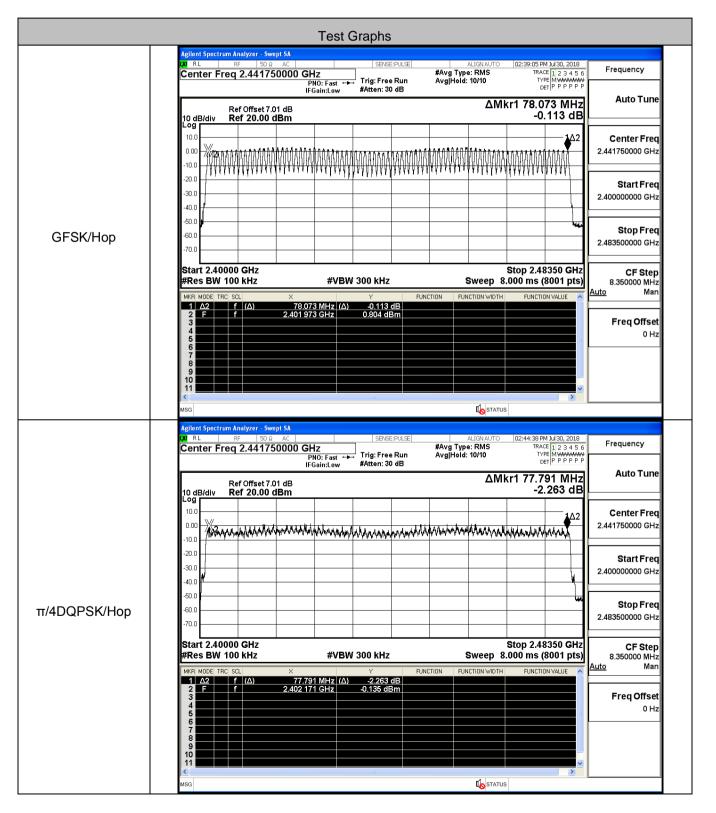






#### A.4 Hopping Channel Number

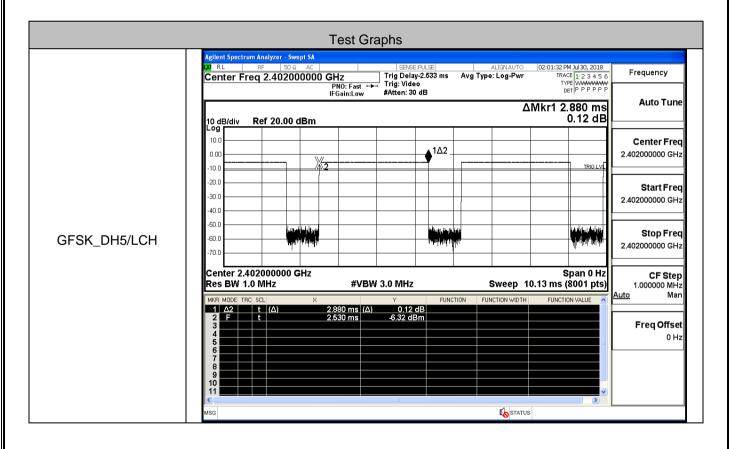
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

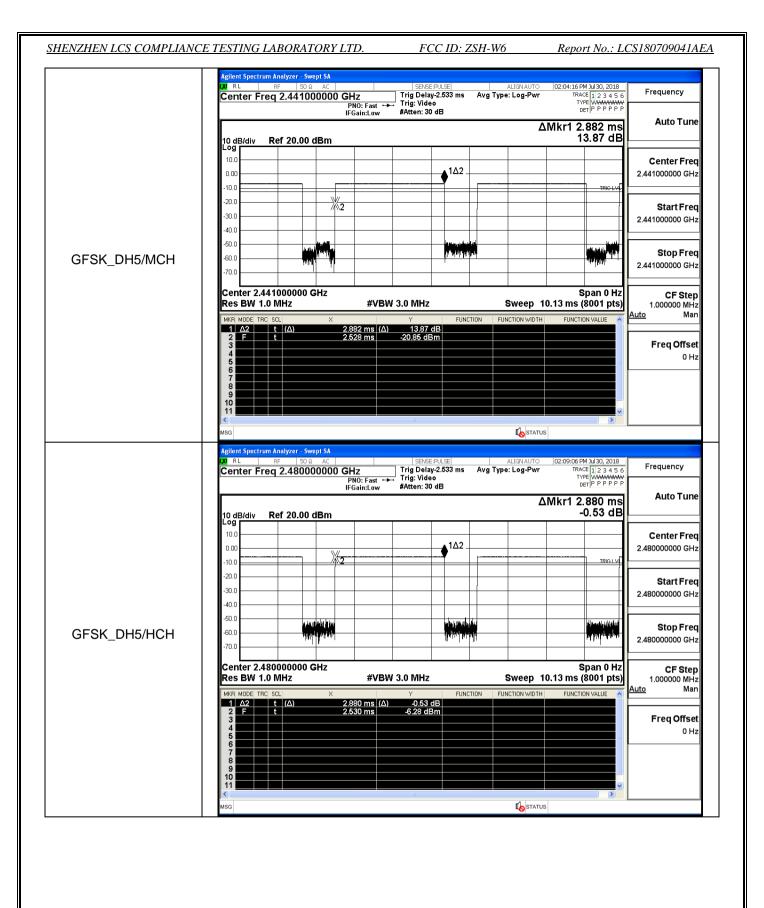


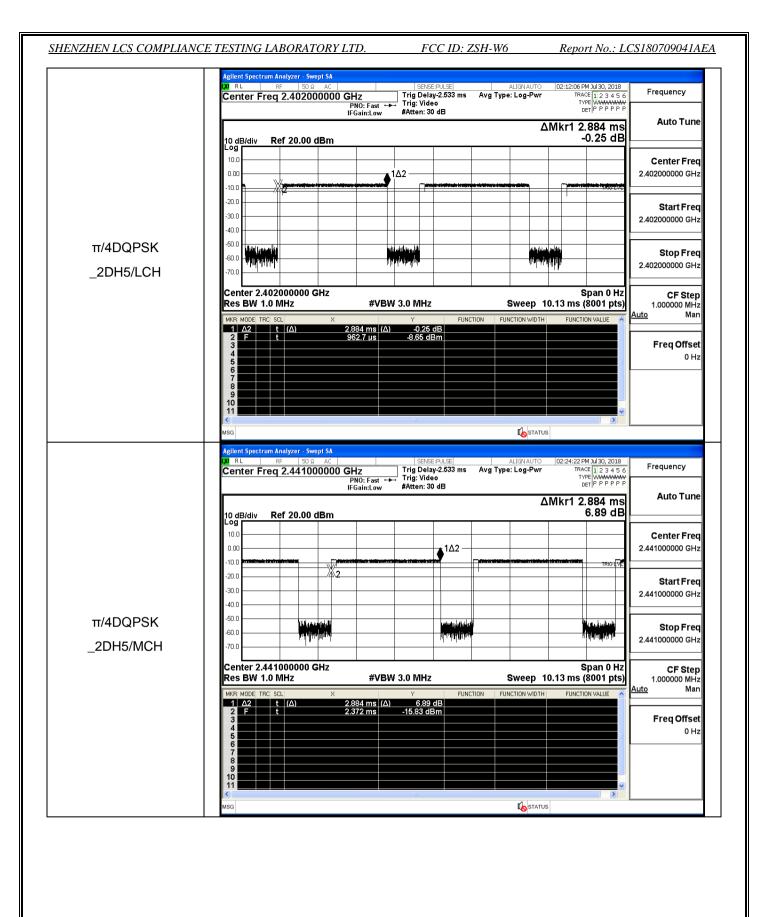
#### A.5 Dwell Time

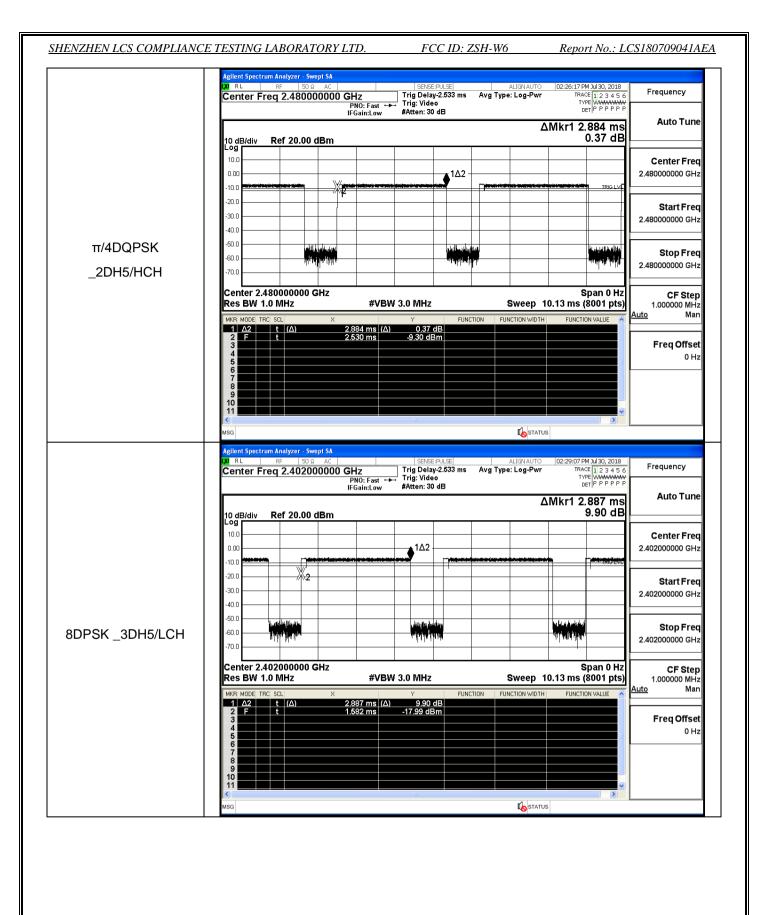
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

Mode	Packet	Channel	Burst Width Total Dwell Time[s] [ms/hop/ch] Hops[hop*ch]		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





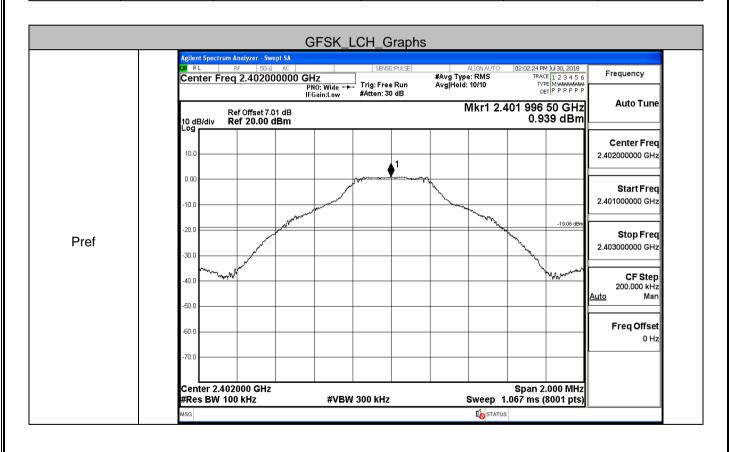


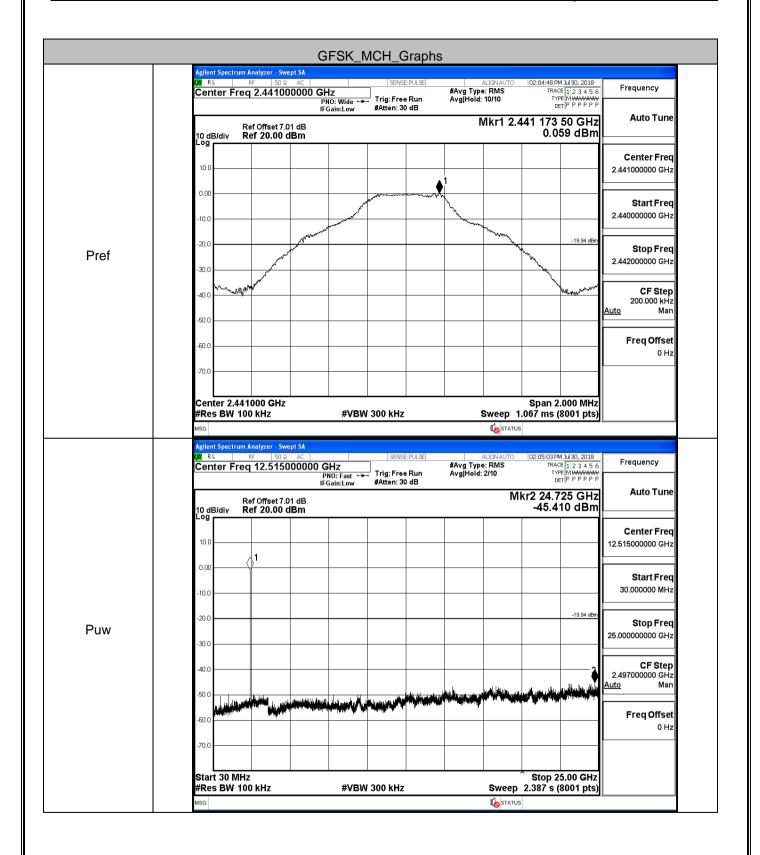


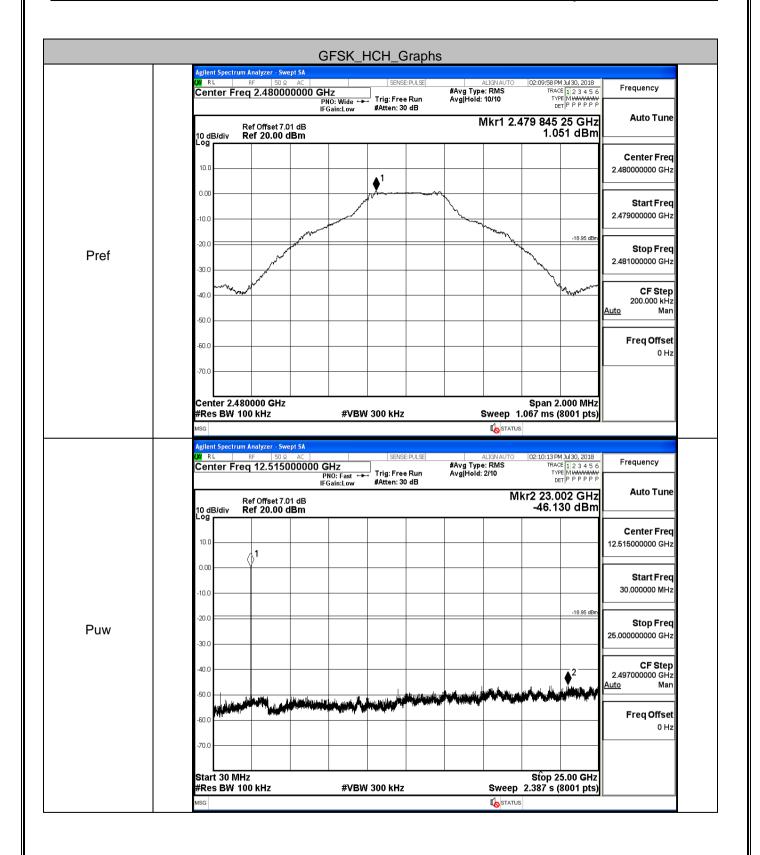
#### A.6 RF Conducted Spurious Emissions

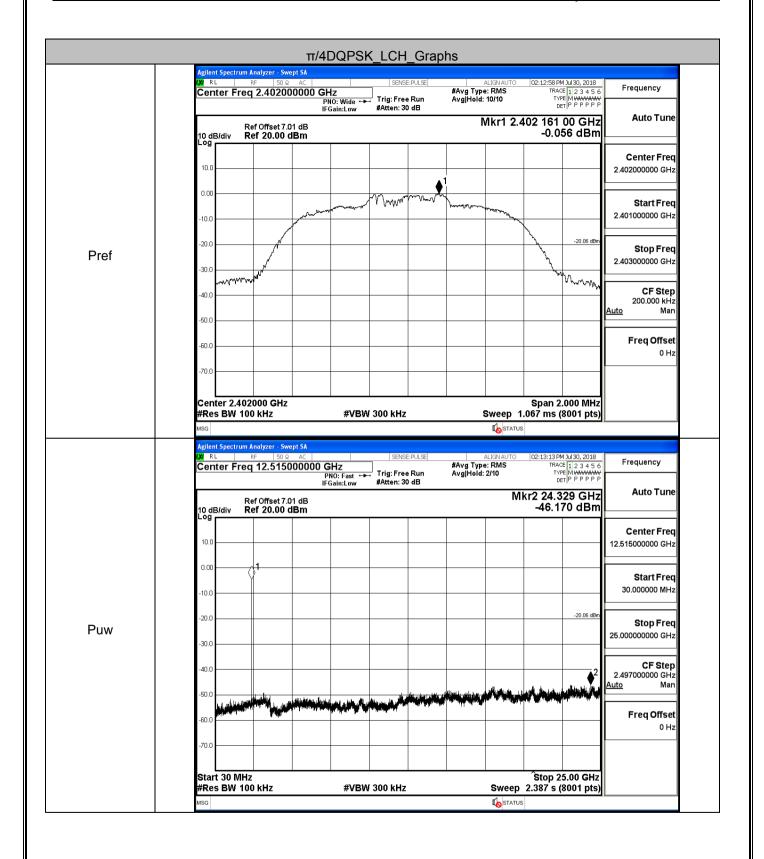
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

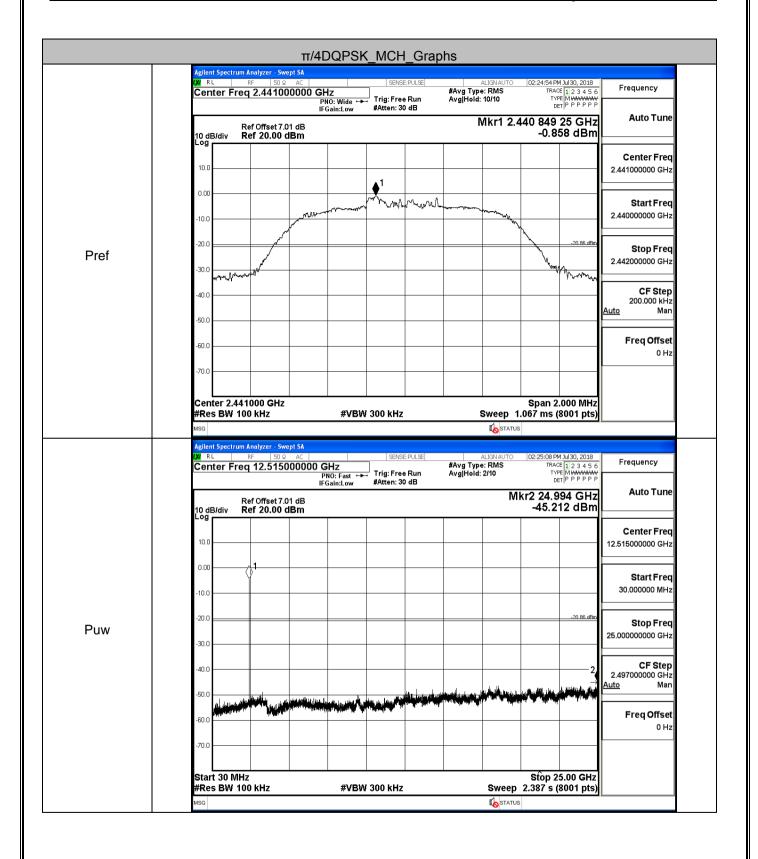
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.939	-46.003	-19.061	PASS
GFSK	MCH	0.059	-45.410	-19.941	PASS
	HCH	1.051	-46.130	-18.949	PASS
	LCH	-0.056	-46.170	-20.056	PASS
π/4DQPSK	MCH	-0.858	-45.212	-20.858	PASS
	НСН	-0.806	-45.740	-20.806	PASS
	LCH	0.035	-45.529	-19.965	PASS
8DPSK	MCH	-0.902	-46.041	-20.902	PASS
	НСН	-1.047	-46.003	-21.047	PASS

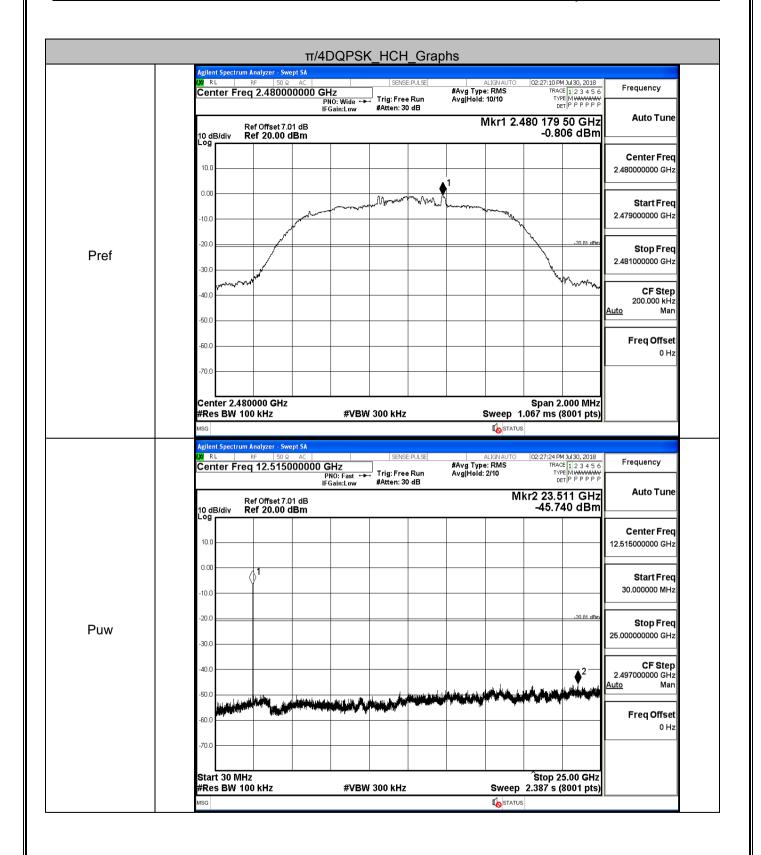


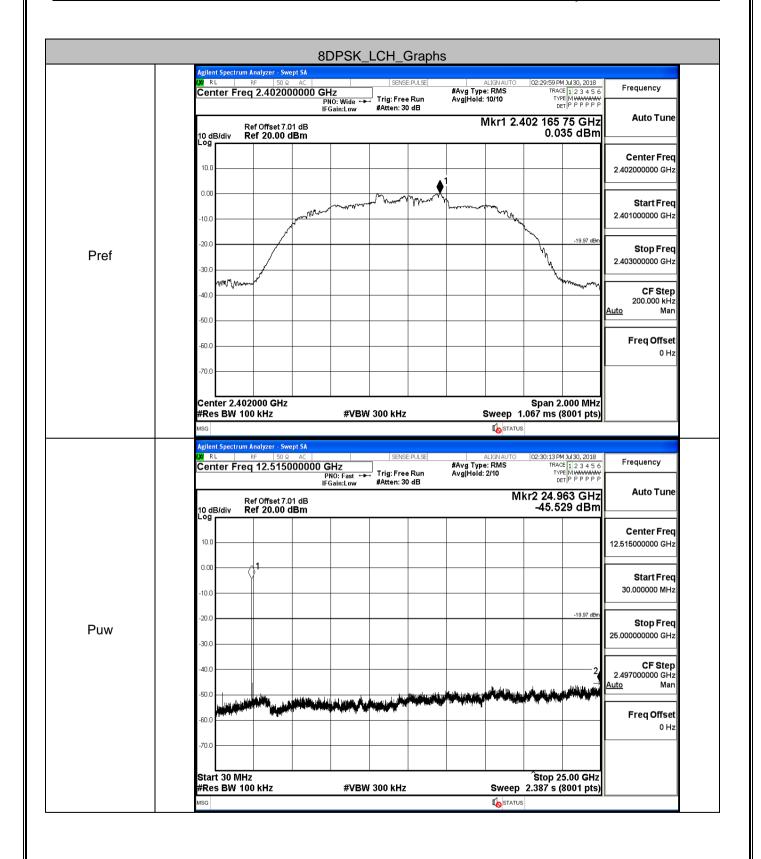


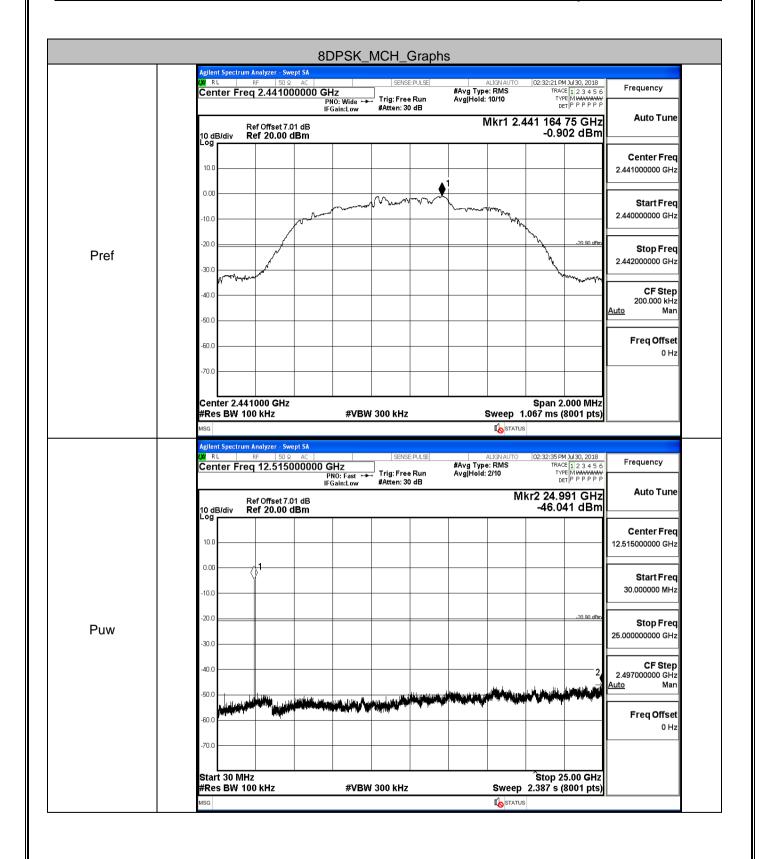


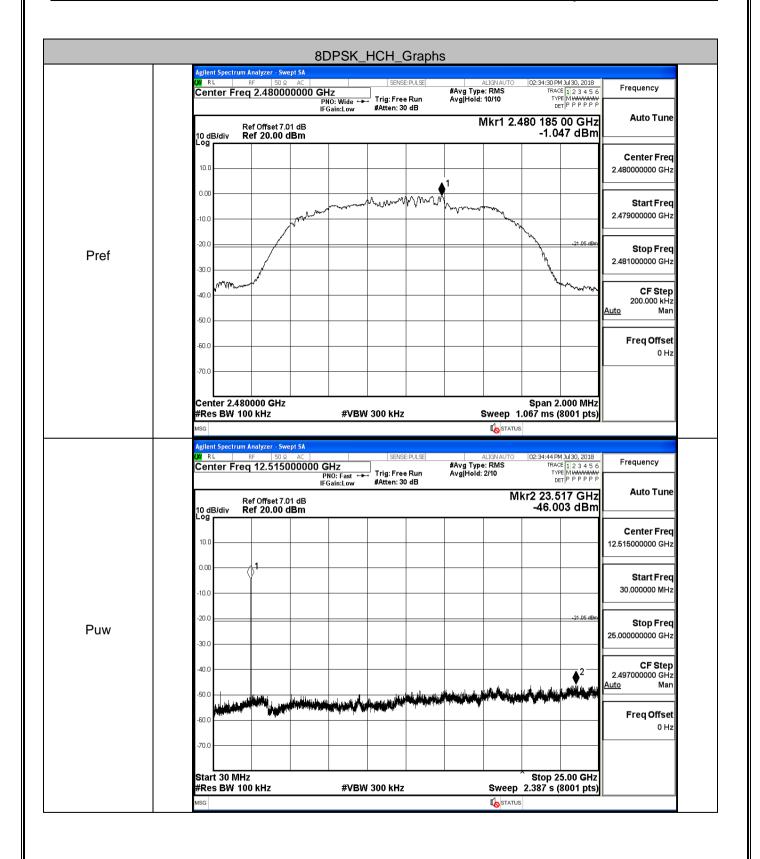






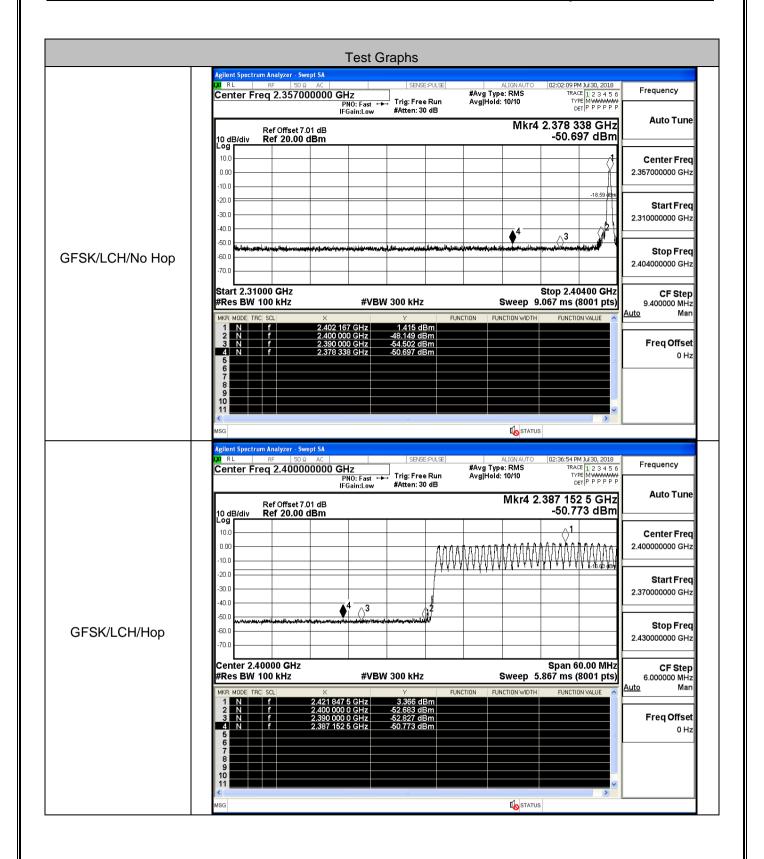


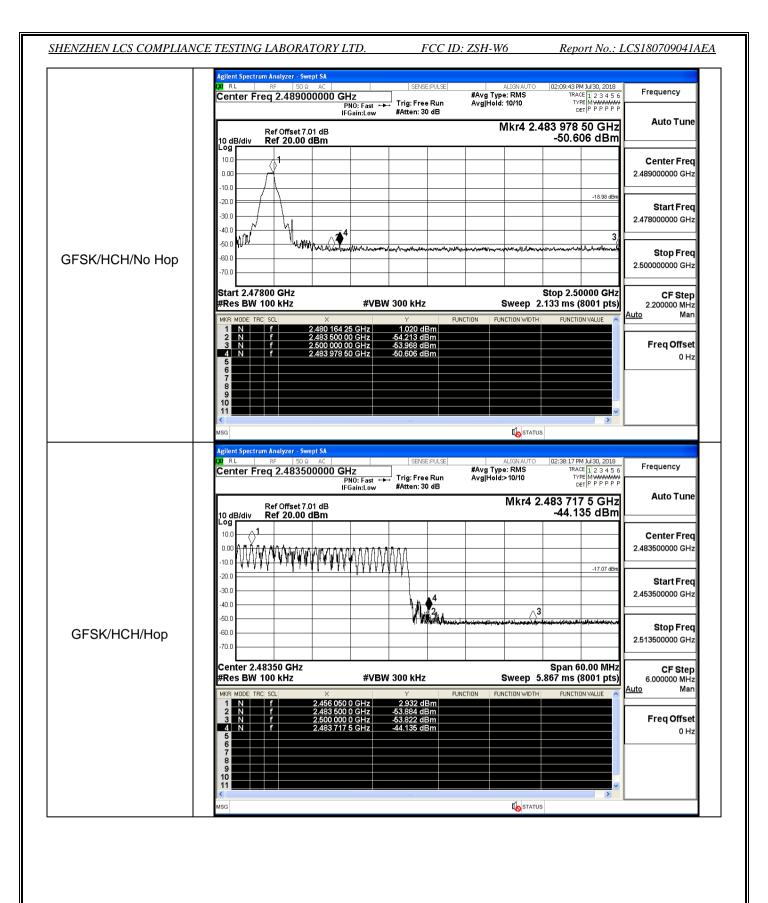


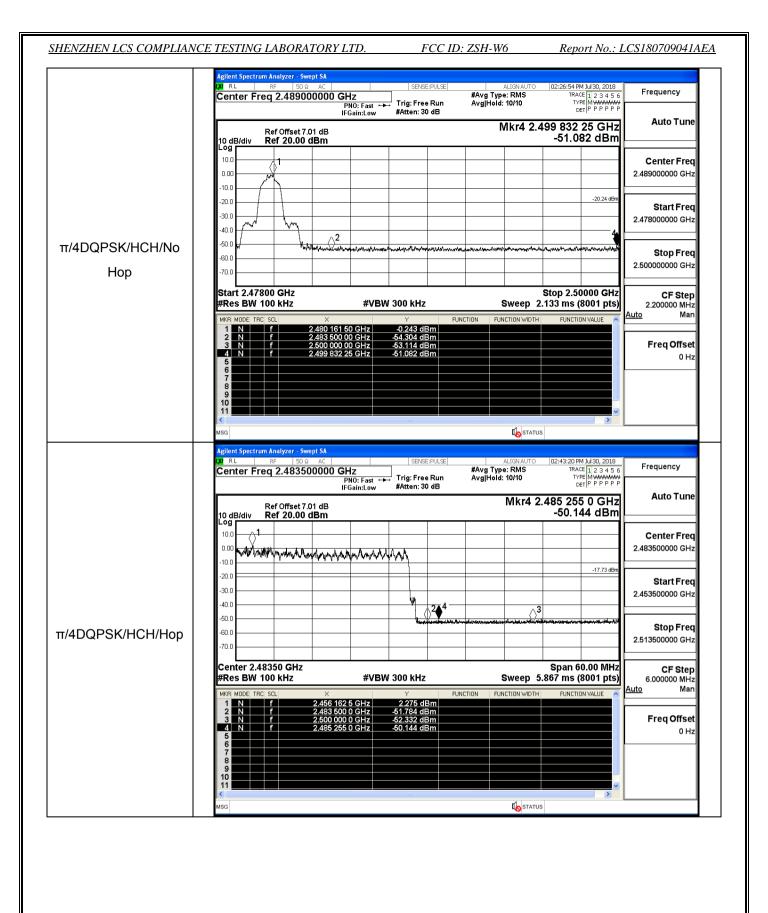


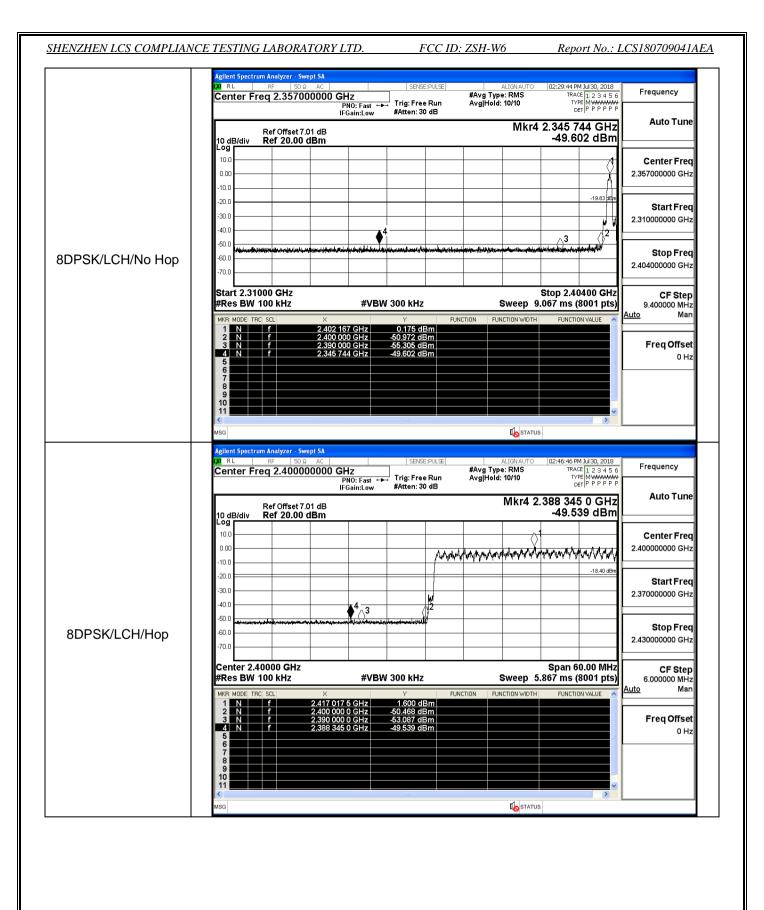
## A.7 Band-edge for RF Conducted Emissions

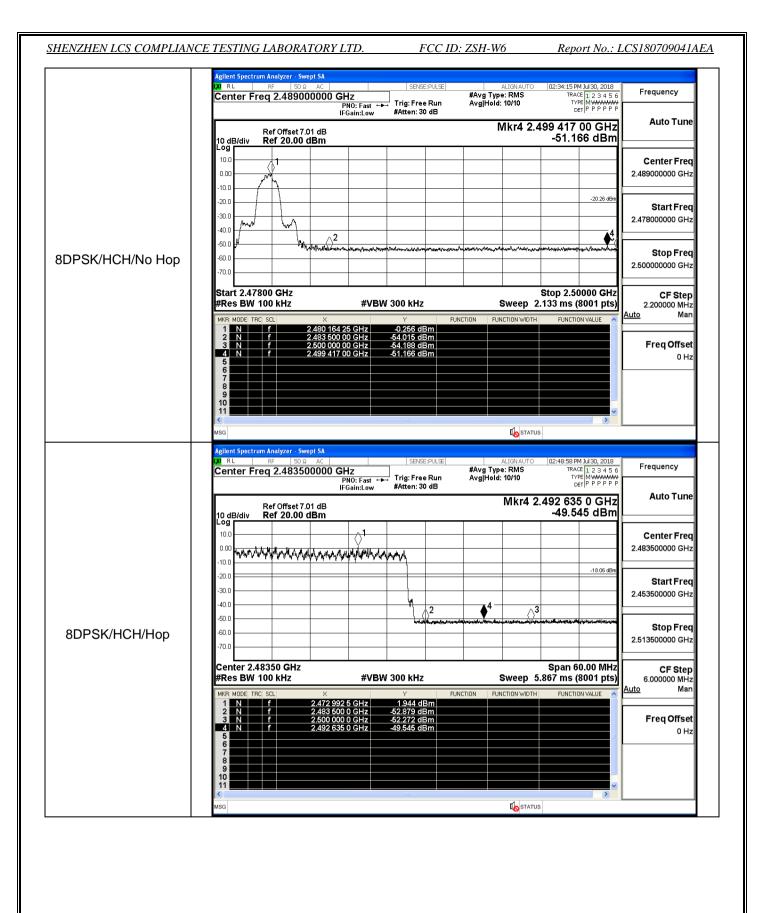
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict				
			1.415	Off	-50.697	-18.59	PASS				
0.501/	LCH	2402	3.366	On	-50.773	-16.63	PASS				
GFSK	НСН		1.020	Off	-50.606	-18.98	PASS				
		2480	2.932	On	-44.135	-17.07	PASS				
	LCH						0.019	Off	-50.462	-19.98	PASS
		2402	2.448	On	-50.423	-17.55	PASS				
π/4DQPSK	НСН	H 2480	-0.243	Off	-51.082	-20.24	PASS				
			2.275	On	-50.144	-17.73	PASS				
			0.175	Off	-49.602	-19.83	PASS				
	LCH	2402	1.600	On	-49.539	-18.4	PASS				
8DPSK			-0.256	Off	-51.166	-20.26	PASS				
	HCH	2480	1.944	On	-49.545	-18.06	PASS				





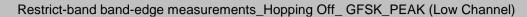


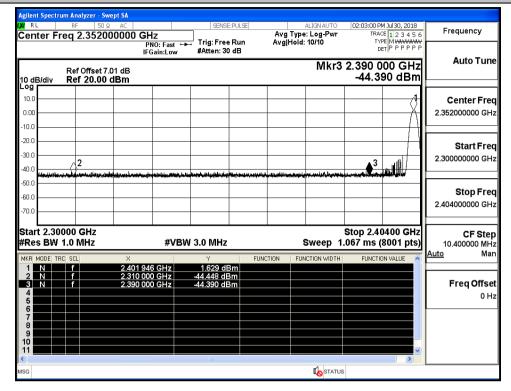




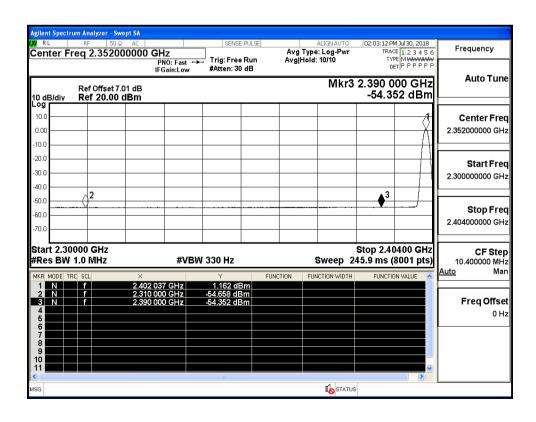
## A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.45	2.0	0	50.81	PEAK	74	PASS
	Off	2310.0	-54.66	2.0	0	40.60	AV	54	PASS
	Off	2390.0	-44.39	2.0	0	50.87	PEAK	74	PASS
	Off	2390.0	-54.35	2.0	0	40.91	AV	54	PASS
GFSK	Off	2483.5	-43.85	2.0	0	51.41	PEAK	74	PASS
	Off	2483.5	-54.12	2.0	0	41.13	AV	54	PASS
	Off	2500.0	-44.37	2.0	0	50.89	PEAK	74	PASS
	Off	2500.0	-53.93	2.0	0	41.33	AV	54	PASS
	Off	2310.0	-43.76	2.0	0	51.50	PEAK	74	PASS
	Off	2310.0	-54.63	2.0	0	40.63	AV	54	PASS
	Off	2390.0	-43.49	2.0	0	51.77	PEAK	74	PASS
	Off	2390.0	-54.28	2.0	0	40.97	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.08	2.0	0	51.18	PEAK	74	PASS
	Off	2483.5	-54.02	2.0	0	41.24	AV	54	PASS
	Off	2500.0	-44.19	2.0	0	51.07	PEAK	74	PASS
	Off	2500.0	-54.03	2.0	0	41.23	AV	54	PASS
	Off	2310.0	-44.56	2.0	0	50.70	PEAK	74	PASS
	Off	2310.0	-54.68	2.0	0	40.57	AV	54	PASS
	Off	2390.0	-45.06	2.0	0	50.19	PEAK	74	PASS
	Off	2390.0	-54.33	2.0	0	40.92	AV	54	PASS
8DPSK	Off	2483.5	-44.01	2.0	0	51.25	PEAK	74	PASS
	Off	2483.5	-53.99	2.0	0	41.26	AV	54	PASS
	Off	2500.0	-44.08	2.0	0	51.18	PEAK	74	PASS
	Off	2500.0	-54.00	2.0	0	41.25	AV	54	PASS

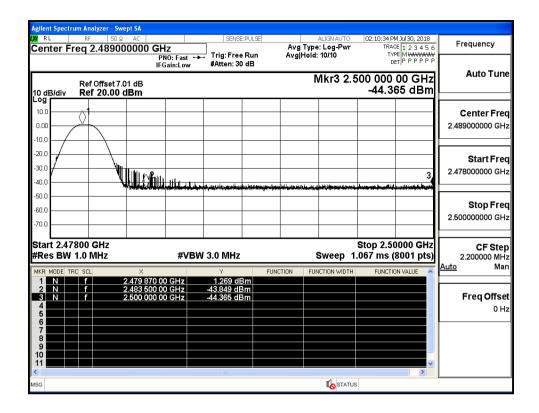




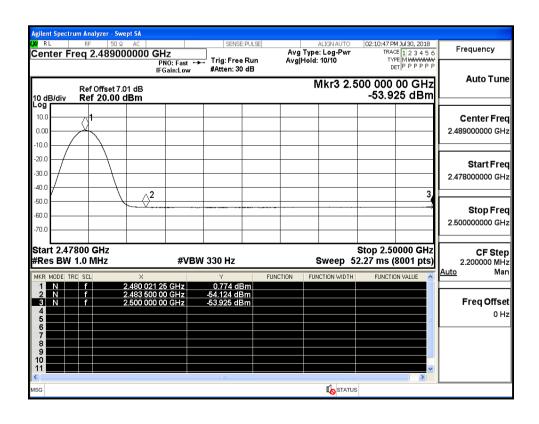
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



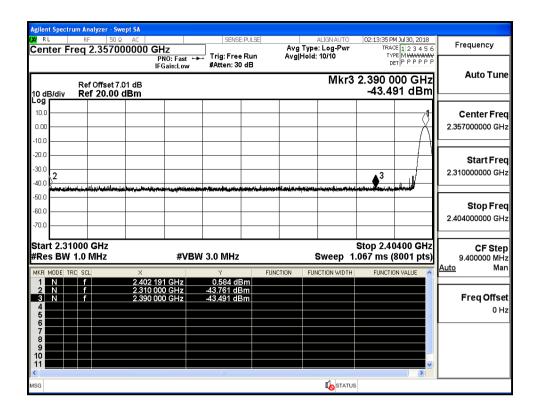
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



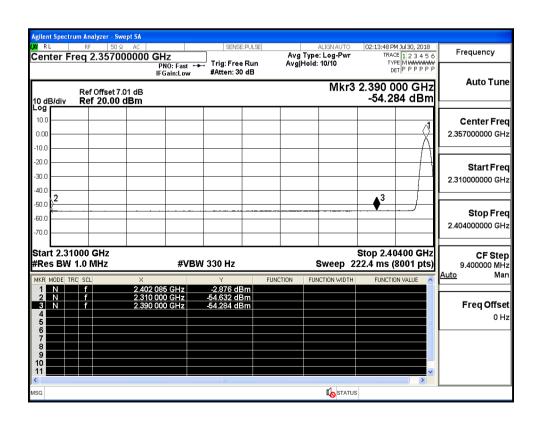
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



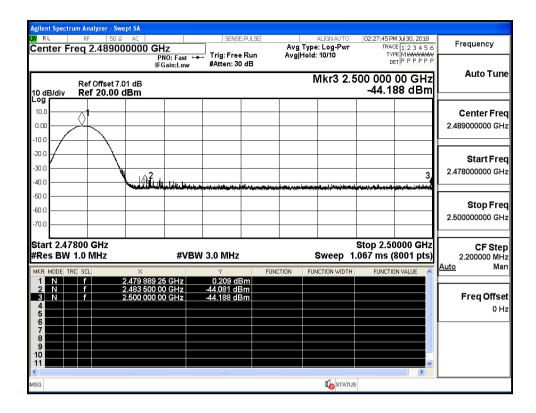
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



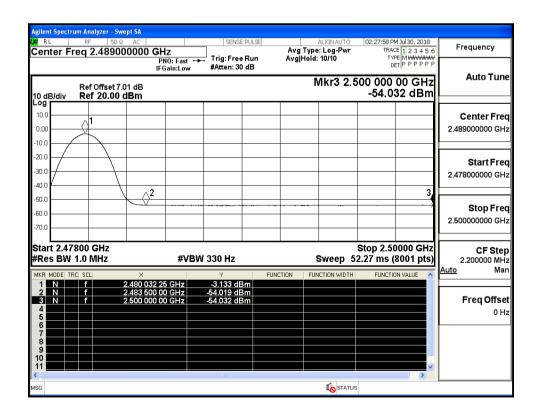
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



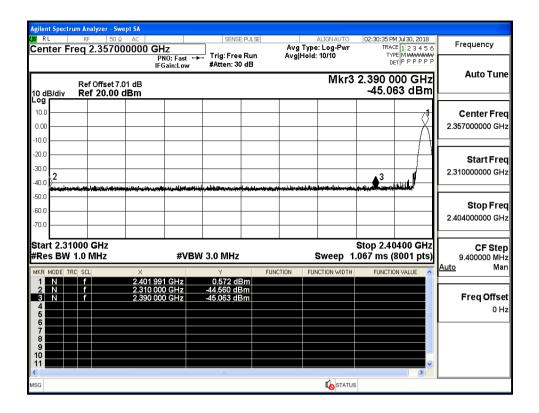
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



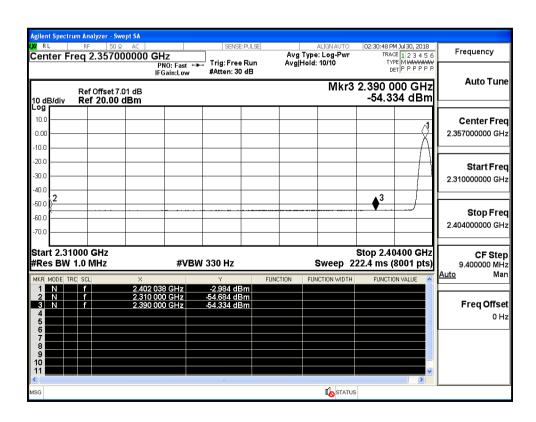
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



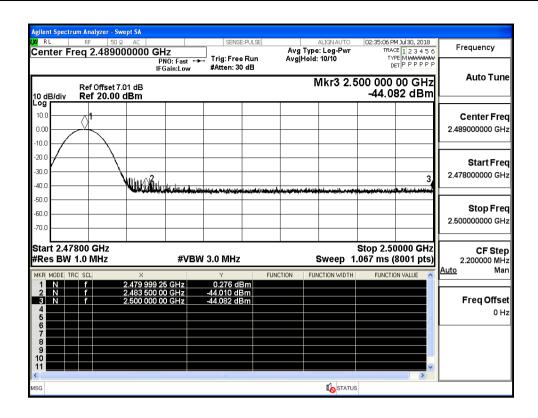
#### Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



#### 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)

