Appendix A

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

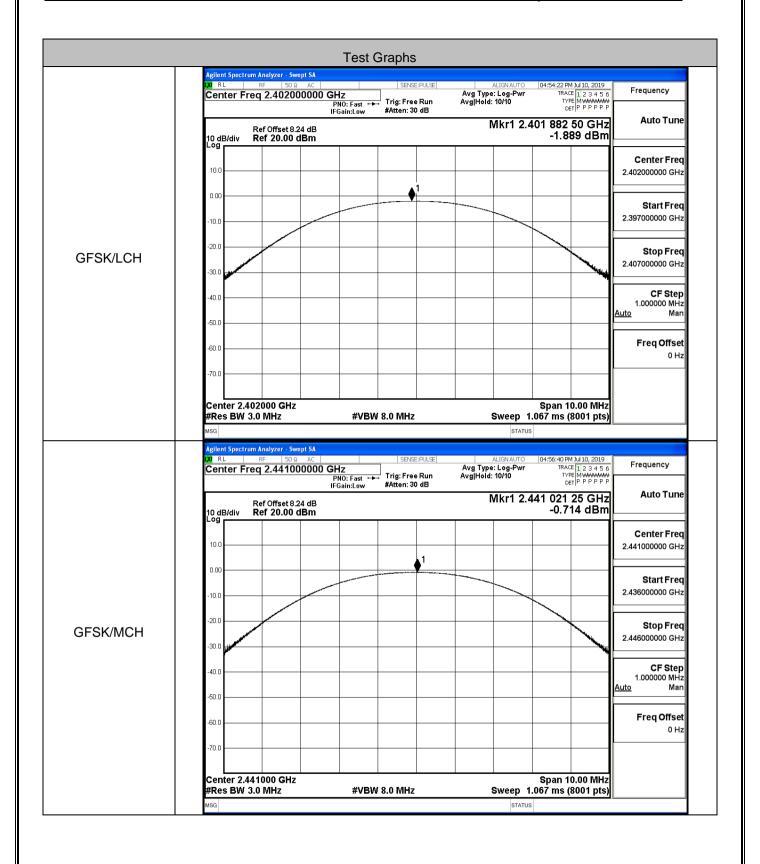
Product Name: Laptop Trade Mark: FUSION5 Test Model: T90B+ Pro

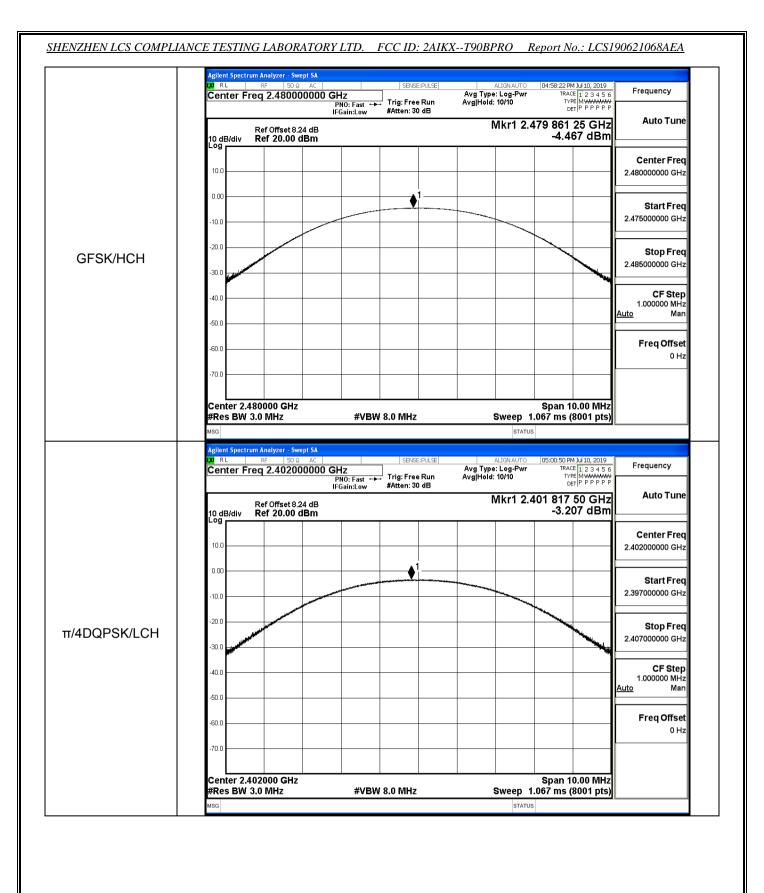
Environmental Conditions

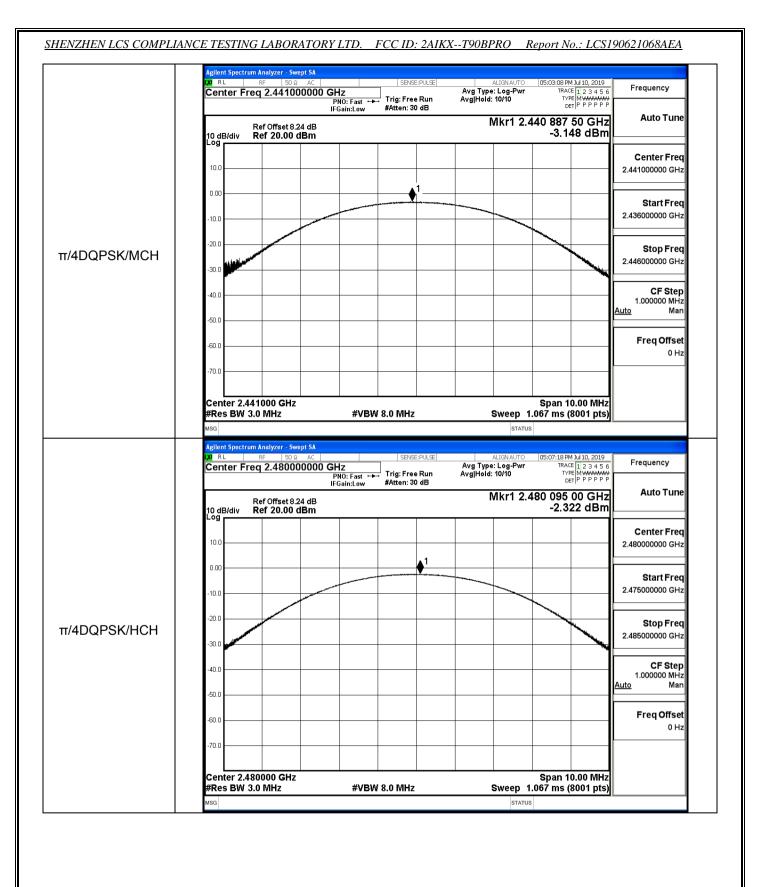
Temperature:	24.3 ° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	JERRY.ZENG
Supervised by:	Wang.Chuang

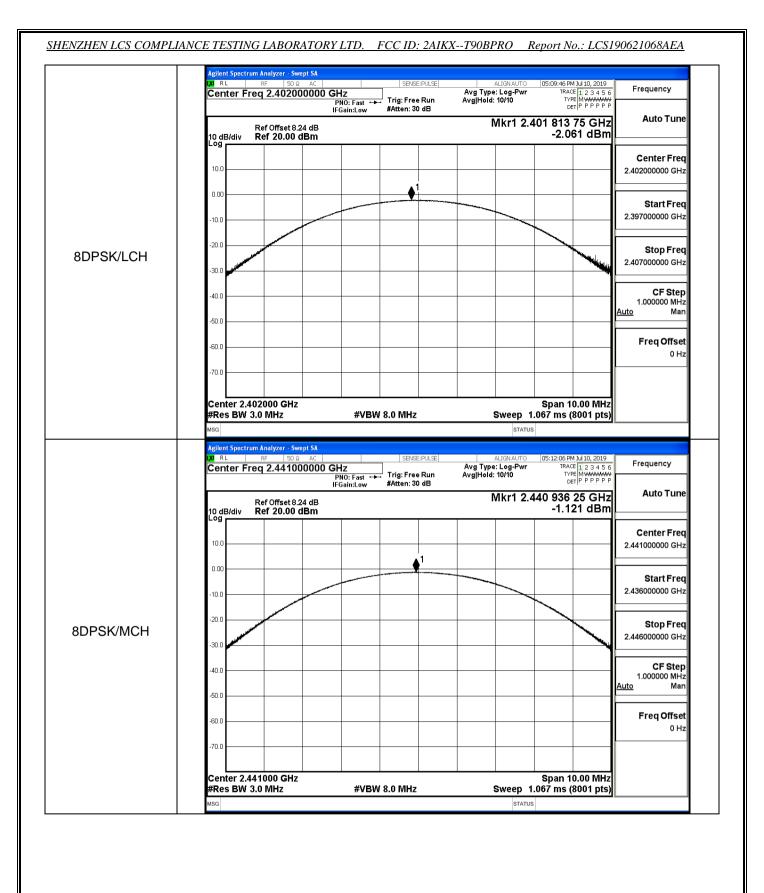
A.1 Maxmum Conducted Peak Output Power

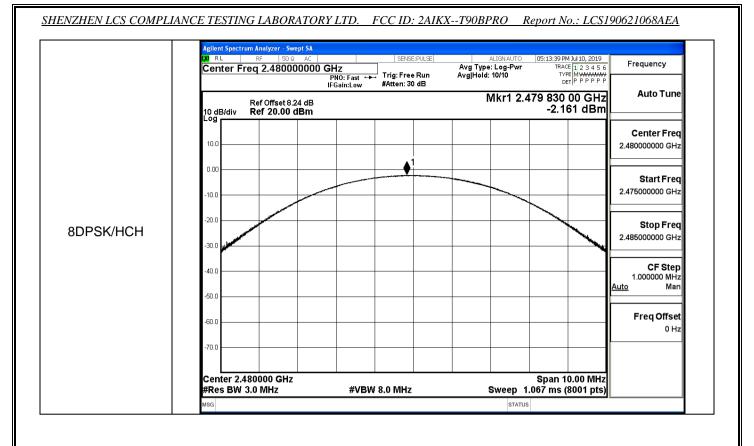
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.889	30	PASS
GFSK	MCH	-0.714	30	PASS
	НСН	-4.467	30	PASS
	LCH	-3.207	21	PASS
π/4DQPSK	MCH	-3.148	21	PASS
	НСН	-2.322	21	PASS
8DPSK	LCH	-2.061	21	PASS
	MCH	-1.121	21	PASS
	НСН	-2.161	21	PASS





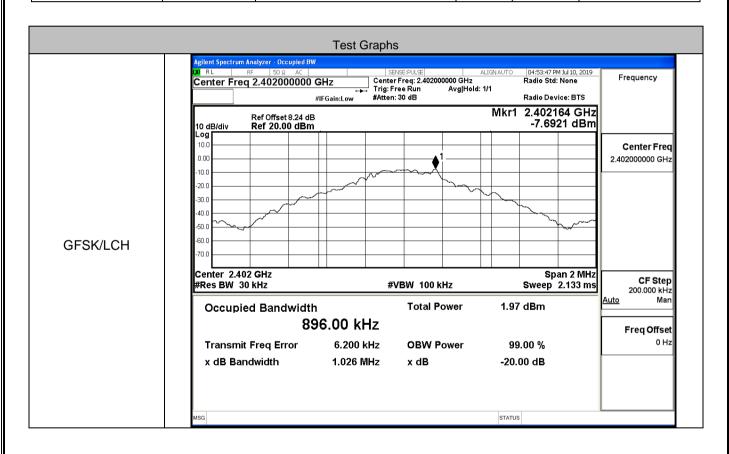


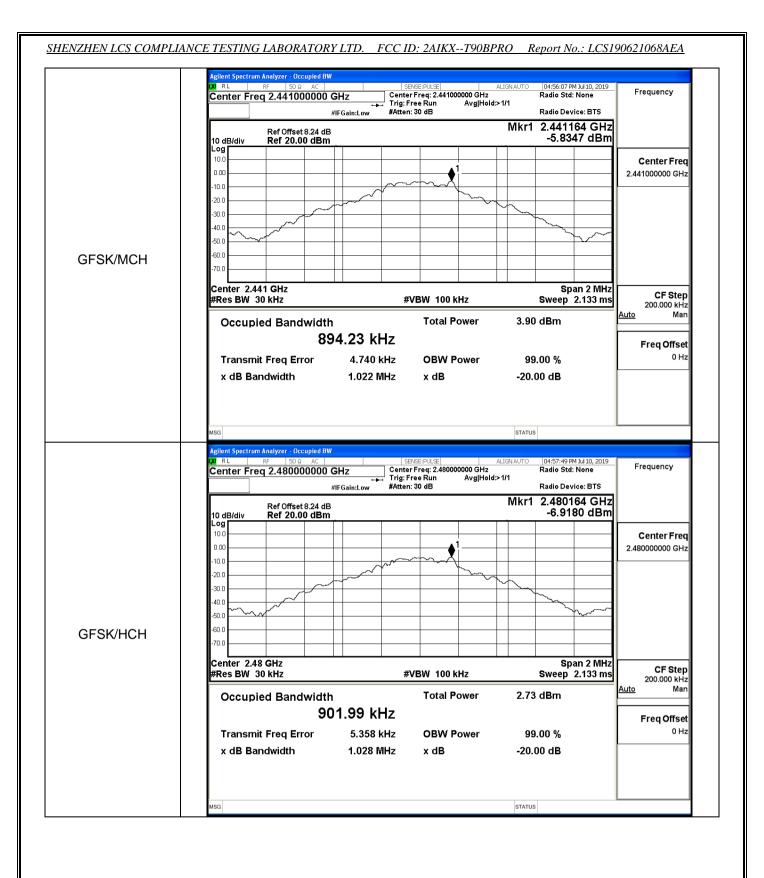


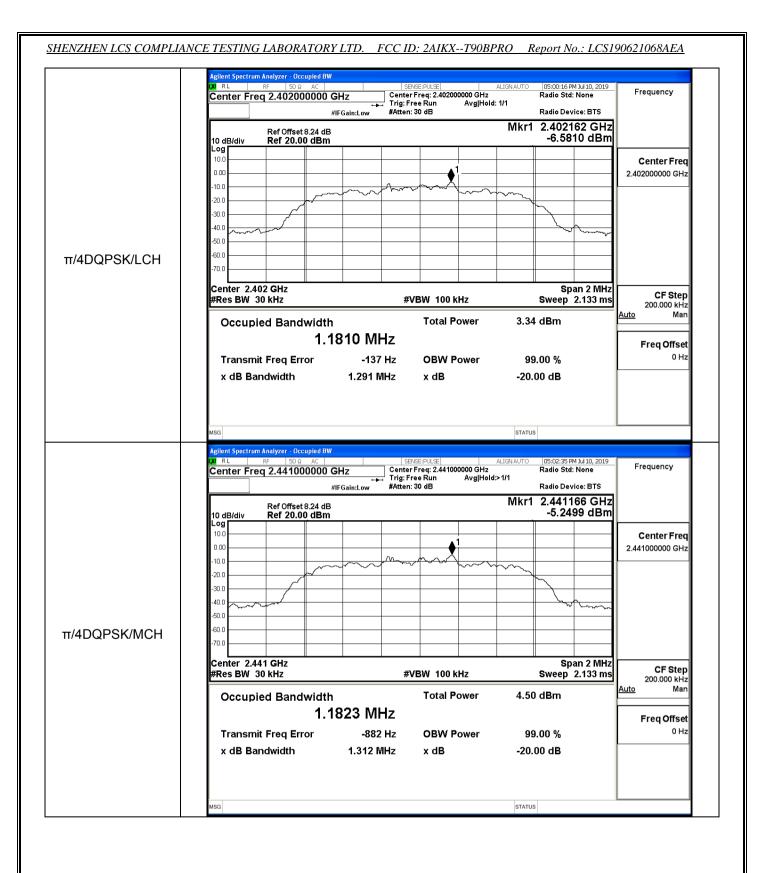


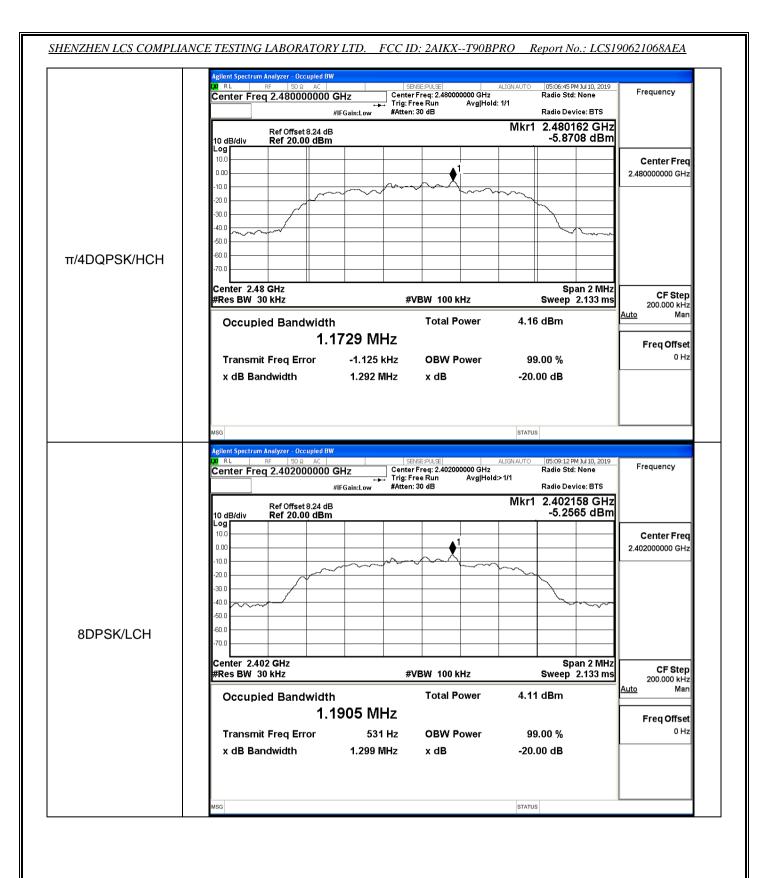
A.2 20dB Bandwidth

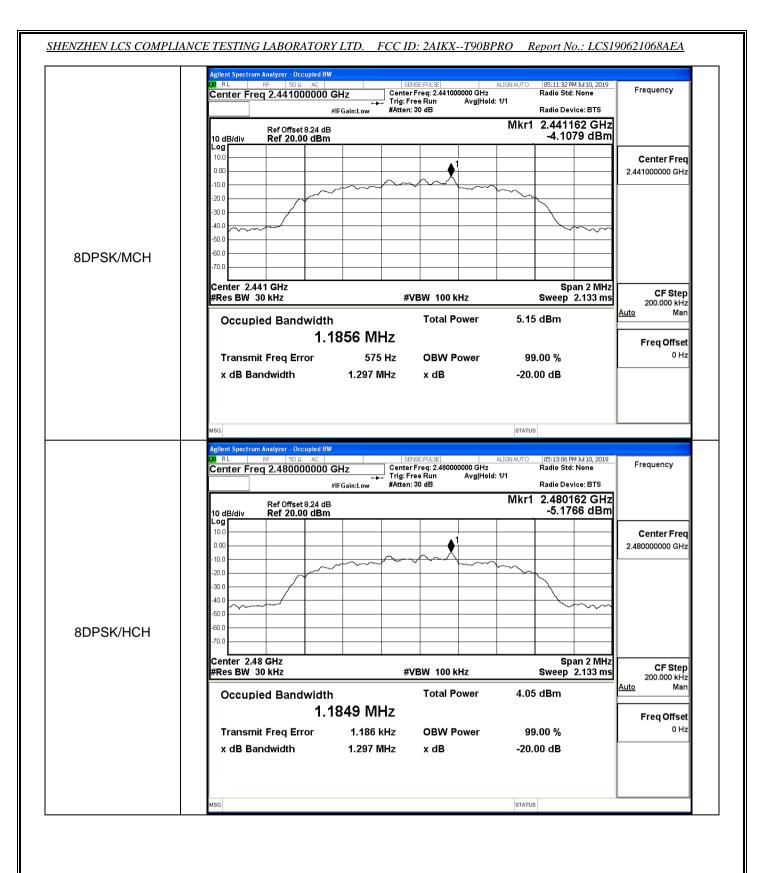
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.026	Not Specified	PASS
GFSK	MCH	1.022	Not Specified	PASS
	HCH	1.028	Not Specified	PASS
	LCH	1.291	Not Specified	PASS
π/4DQPSK	MCH	1.312	Not Specified	PASS
	НСН	1.292	Not Specified	PASS
8DPSK	LCH	1.299	Not Specified	PASS
	MCH	1.297	Not Specified	PASS
	HCH	1.297	Not Specified	PASS





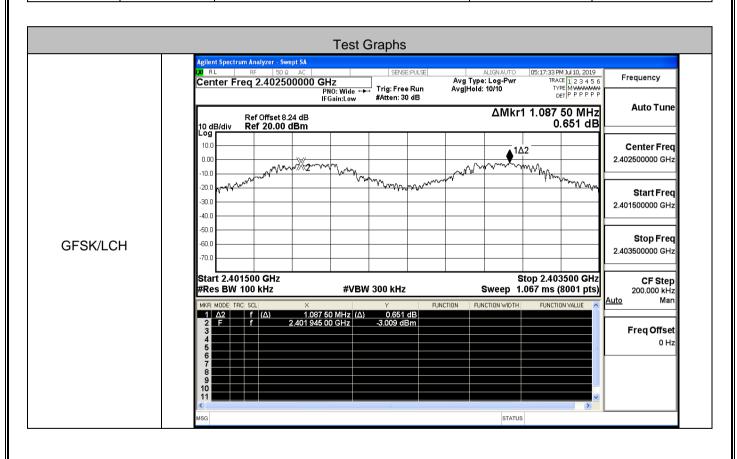


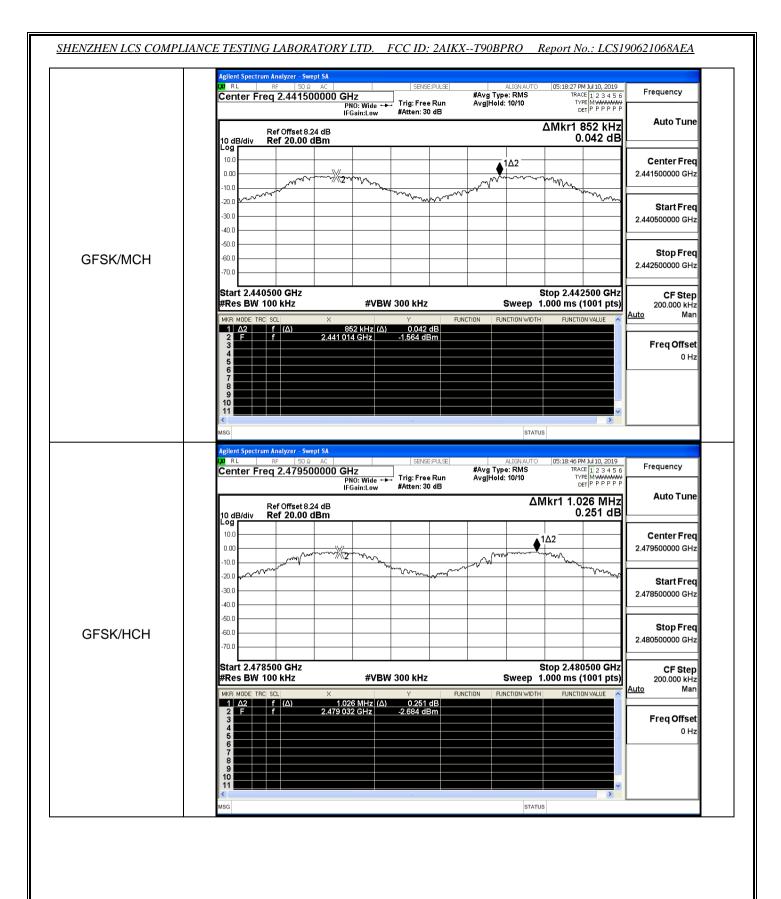


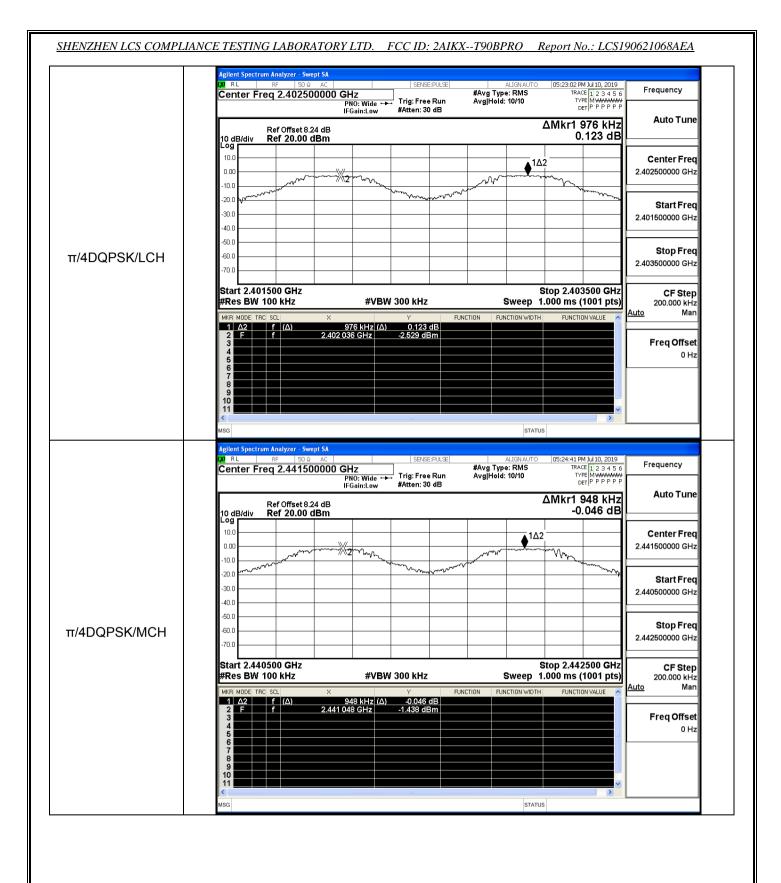


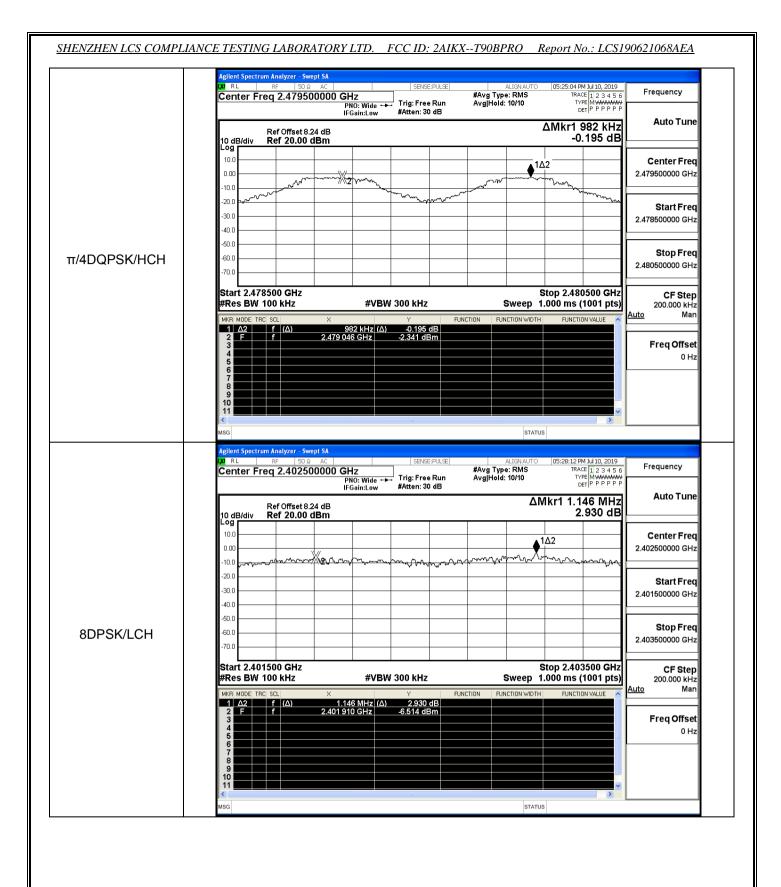
A.3 Carrier Frequency Separation

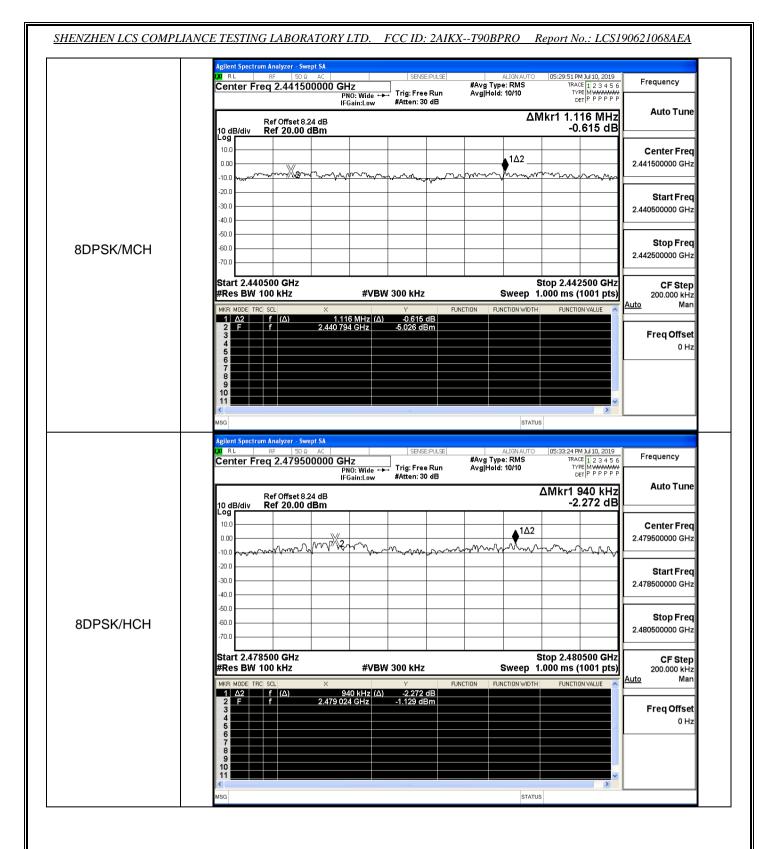
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.087	0.685	PASS
GFSK	MCH	0.852	0.685	PASS
	HCH	1.026	0.685	PASS
	LCH	0.976	0.875	PASS
π/4DQPSK	MCH	0.948	0.875	PASS
	HCH	0.982	0.875	PASS
8DPSK	LCH	1.146	0.866	PASS
	MCH	1.116	0.866	PASS
	HCH	0.940	0.866	PASS





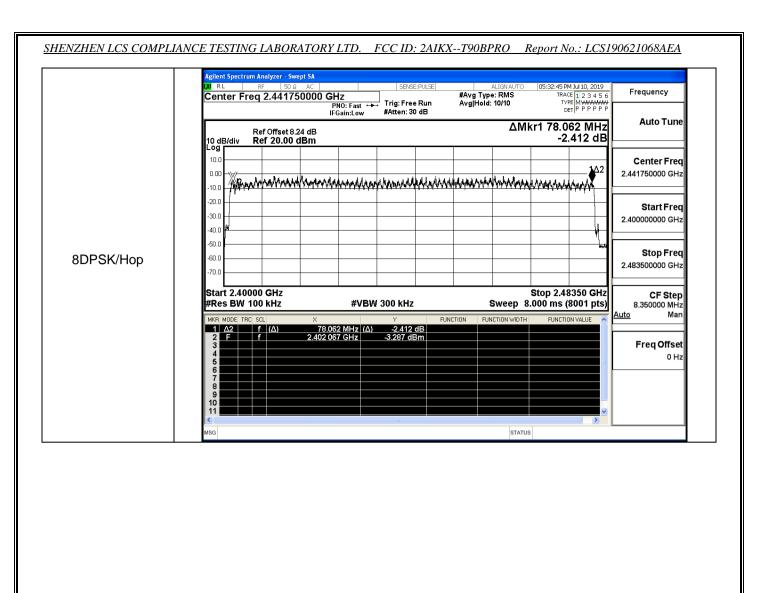






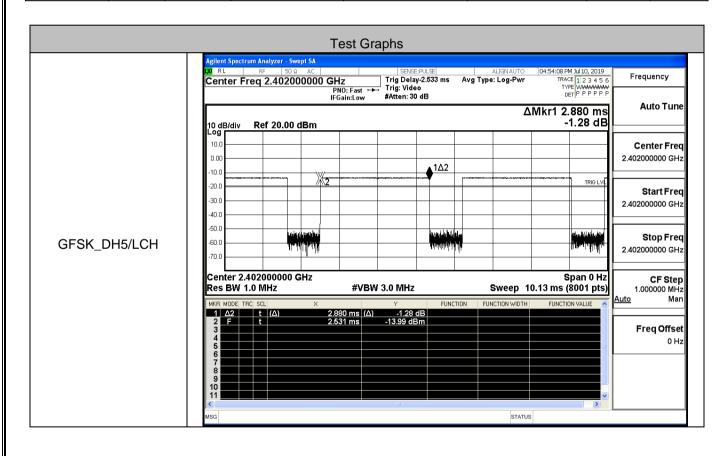
A.4 Hopping Channel Number

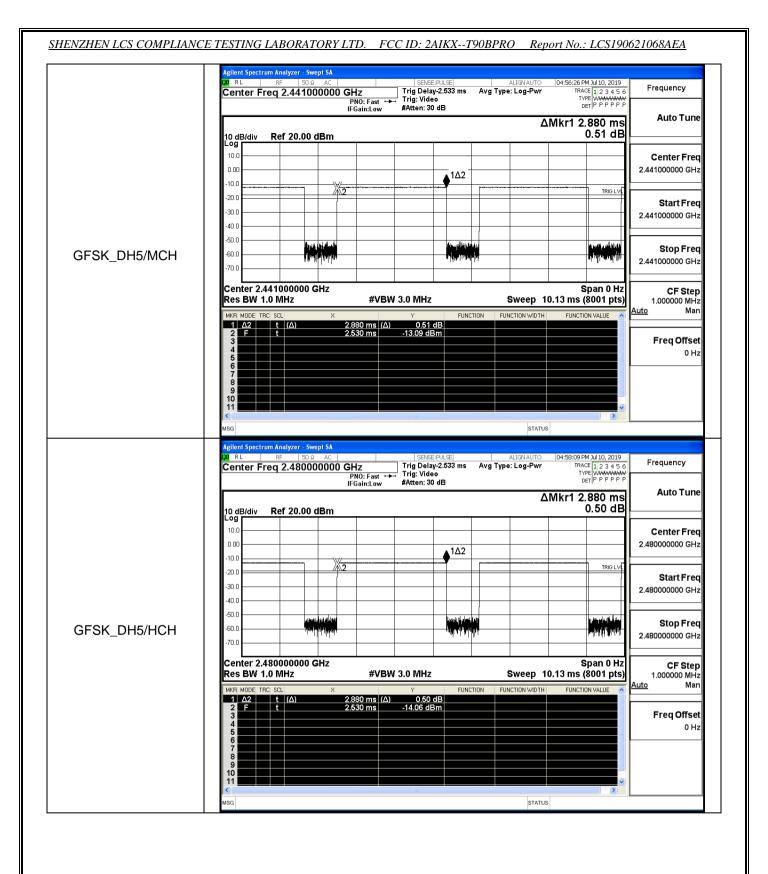
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

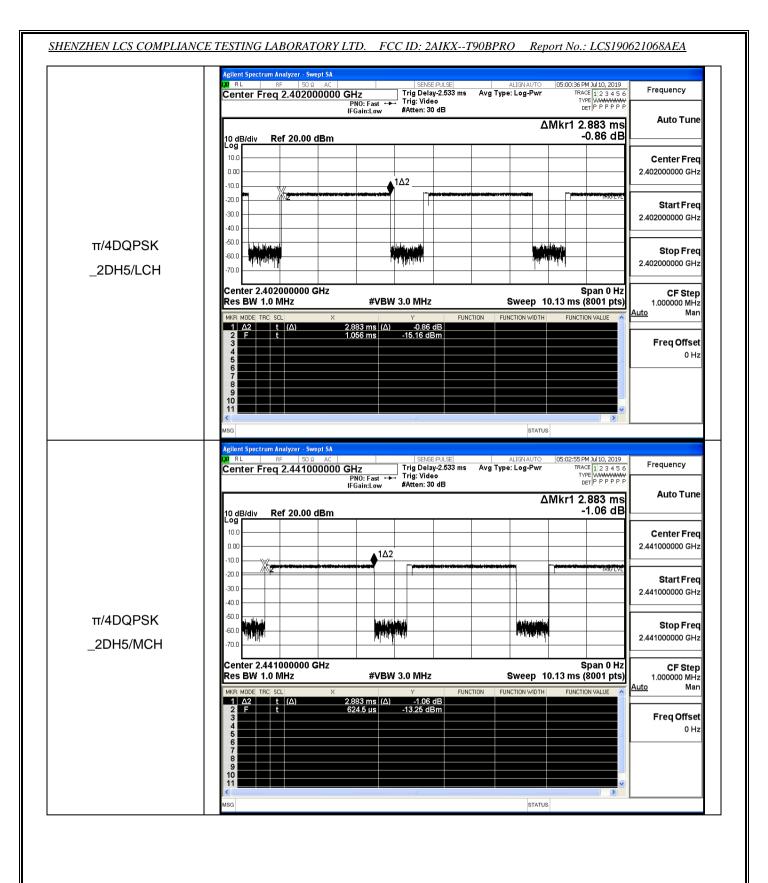


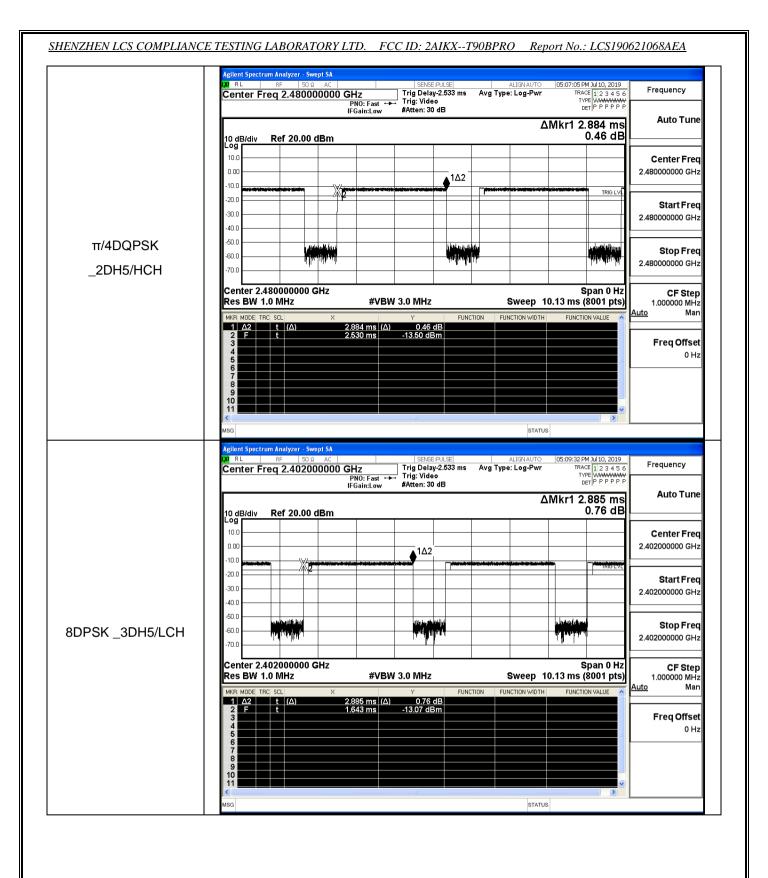
A.5 Dwell Time

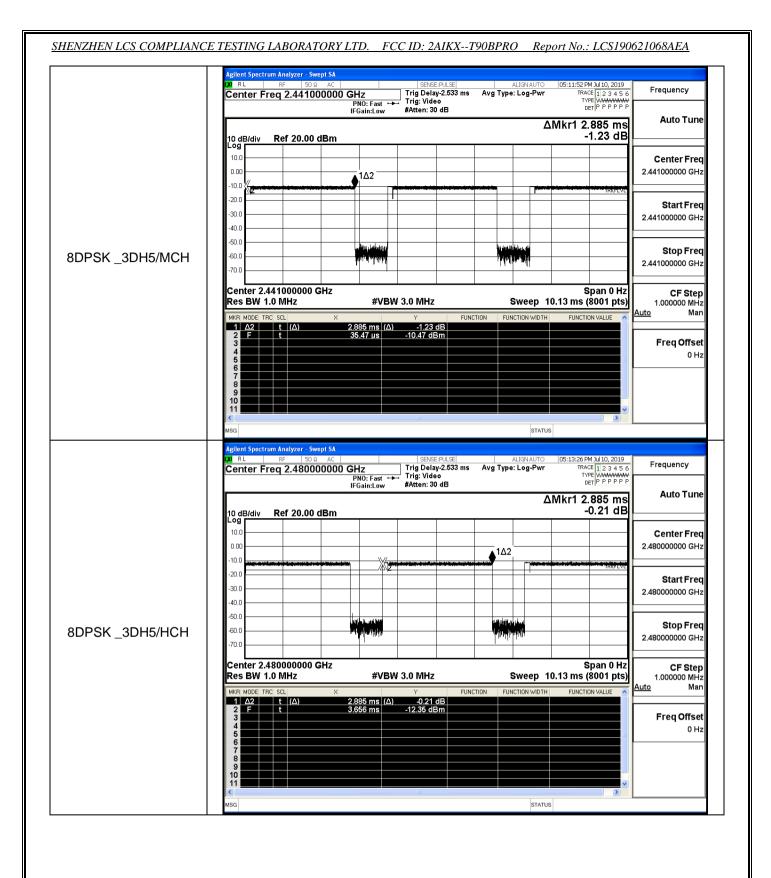
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





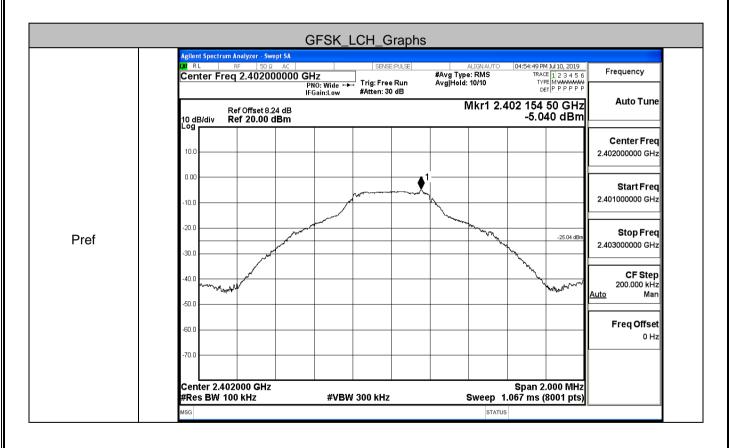






A.6 RF Conducted Spurious Emissions

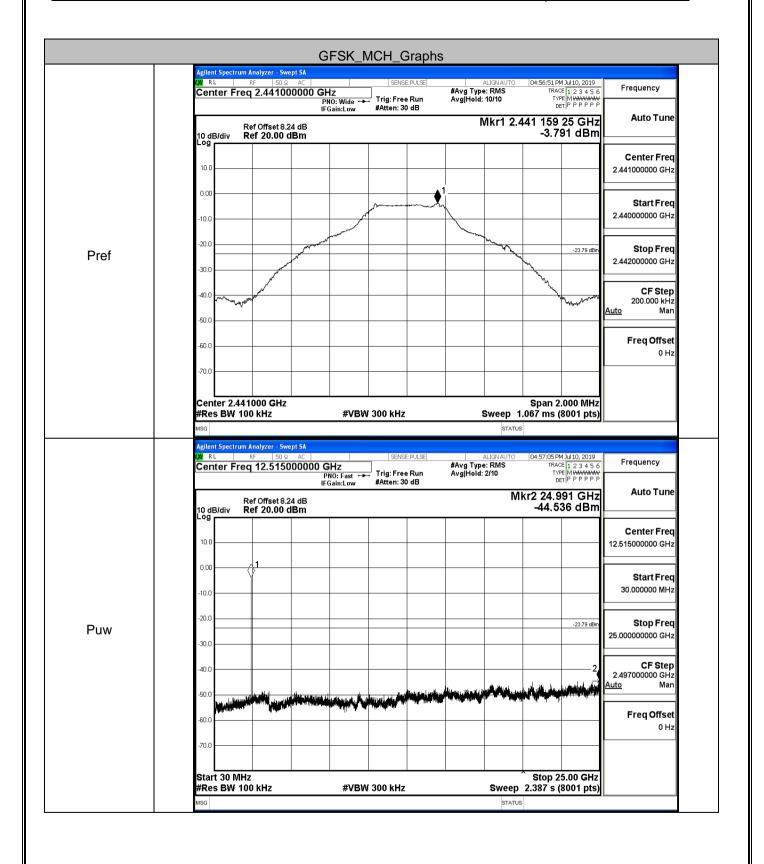
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-5.04	-43.873	-25.040	PASS
GFSK	MCH	-3.791	-44.536	-23.791	PASS
	HCH	-5.589	-44.264	-25.589	PASS
	LCH	-6.093	-45.045	-26.093	PASS
π/4DQPSK	MCH	-4.074	-44.982	-24.074	PASS
	HCH	-3.342	-43.417	-23.342	PASS
	LCH	-3.241	-44.277	-23.241	PASS
8DPSK	MCH	-2.093	-44.802	-22.093	PASS
	НСН	-3.336	-44.300	-23.336	PASS

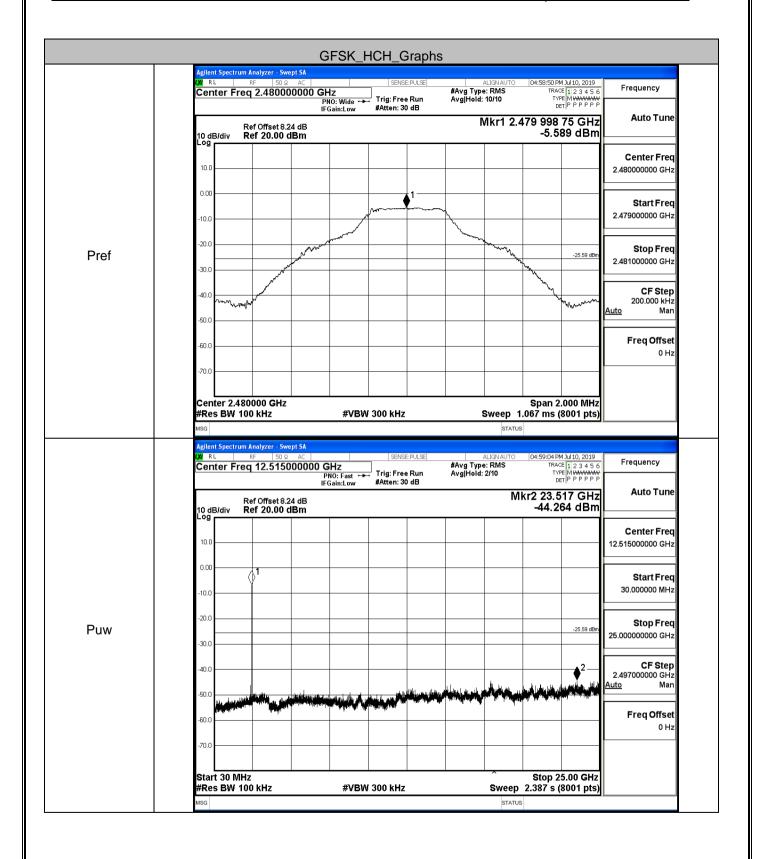


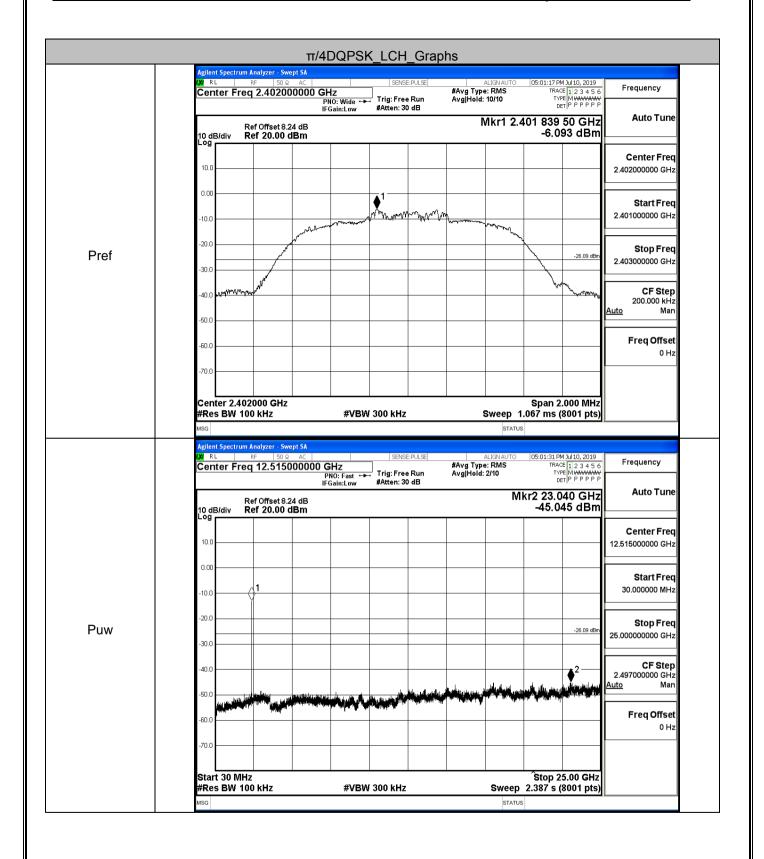
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--T90BPRO Report No.: LCS190621068AEA Agilent Spectrum Analyzer - Swept SA Agilish Spiss Lune RF | 50 Q AC | Center Freq 12.515000000 GHz PNO: Fast ---- IFGain:Low #Atten: 30 dB 04:55:03 PM Jul 10, 2019 TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P P P P P P SENSE:PULSE #Avg Type: RMS Avg|Hold: 2/10 Frequency Mkr2 22.968 GHz -43.873 dBm Auto Tune Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Log Center Freq 10.0 12.515000000 GHz 0.00 Start Freq 30.000000 MHz -10.0 -20.0 Stop Freq Puw -25.04 dB 25.000000000 GHz **CF Step** 2.497000000 GHz <u>Auto</u> Man 40.0 Auto -50.0 Freq Offset -60.0 0 Hz -70.0 Start 30 MHz #Res BW 100 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts)

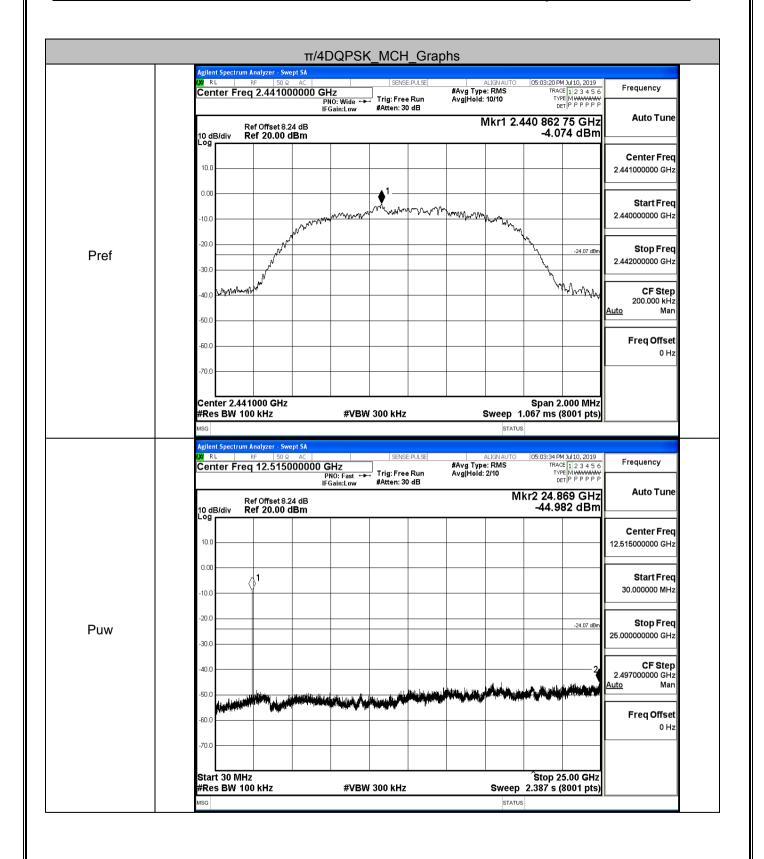
#VBW 300 kHz

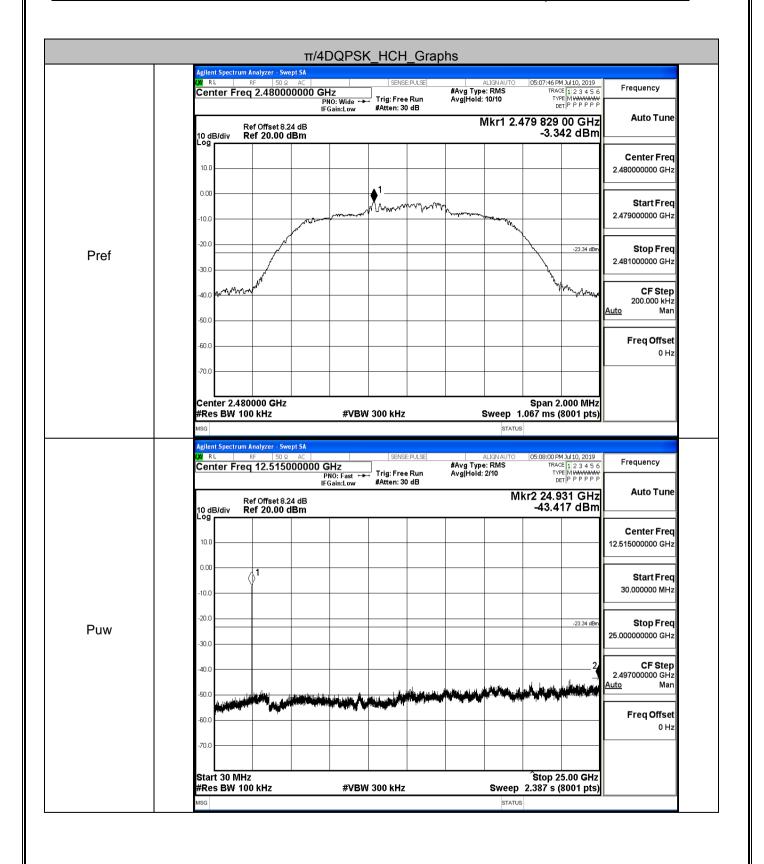
STATUS

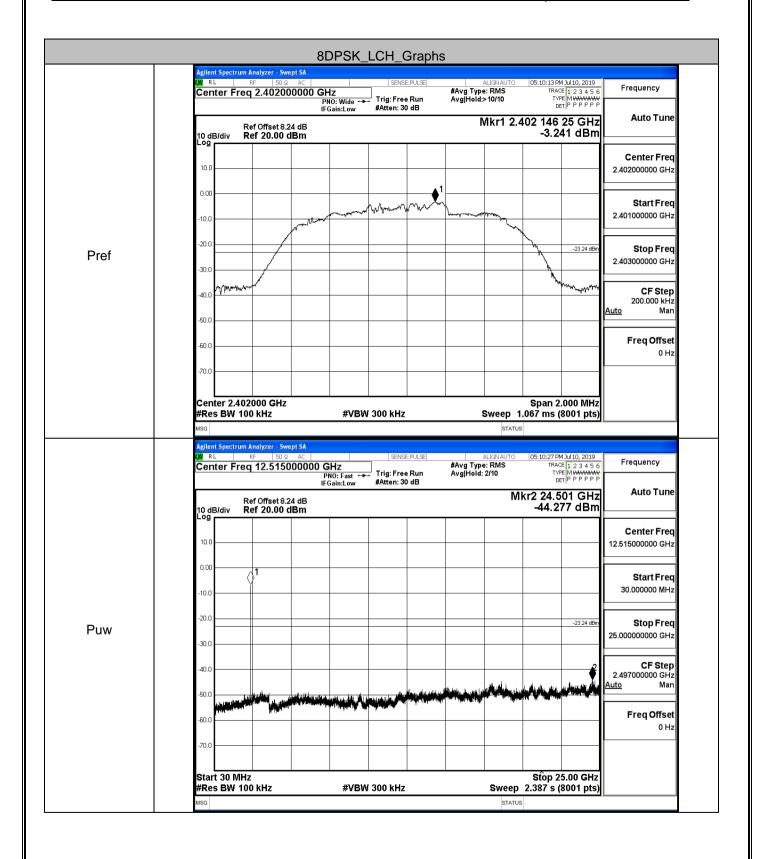


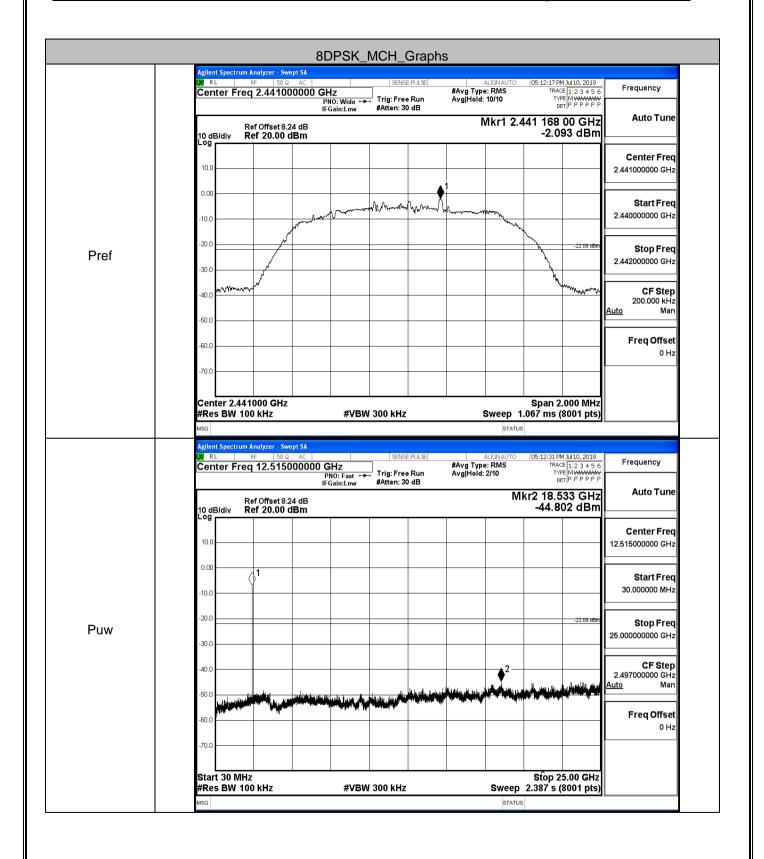


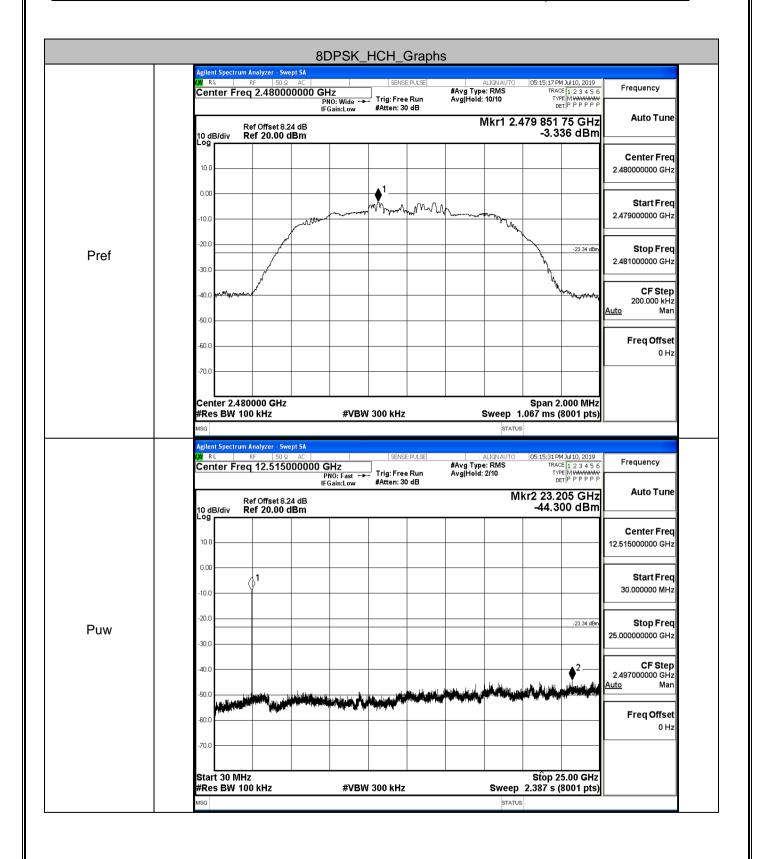






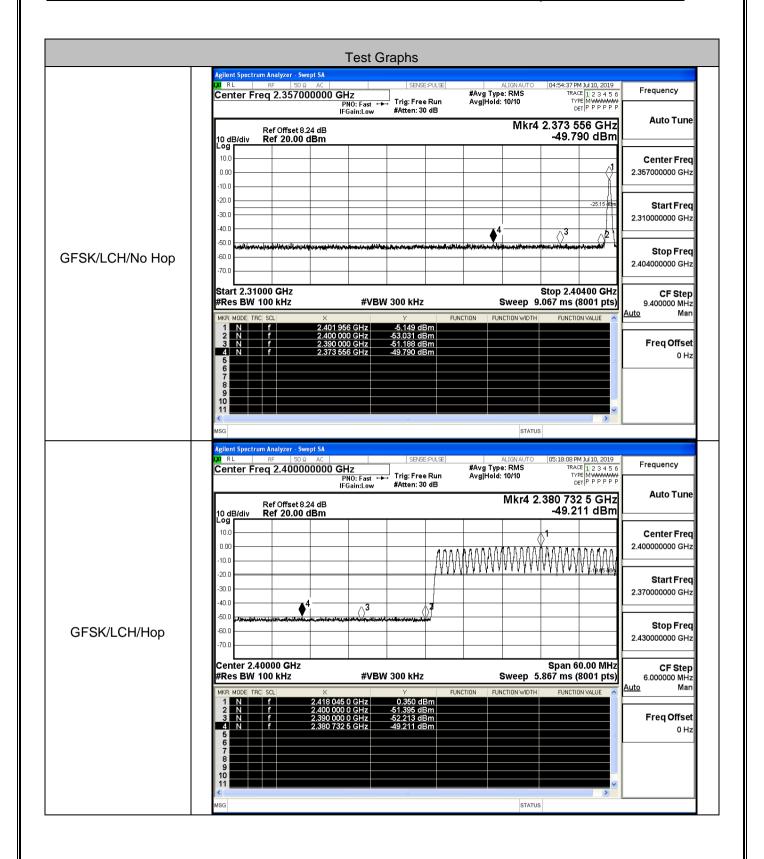


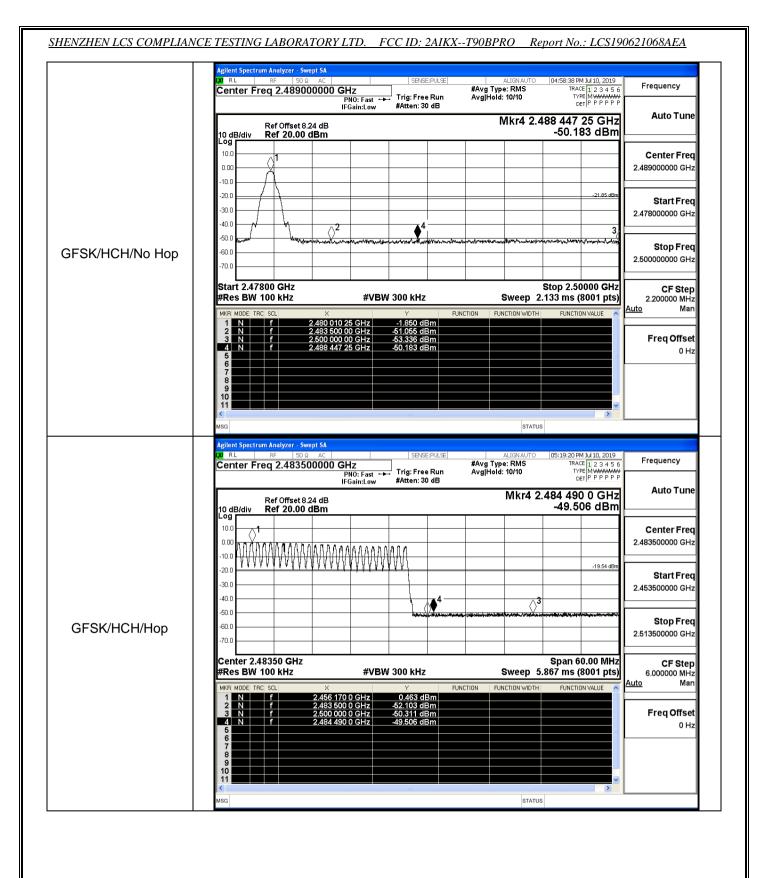


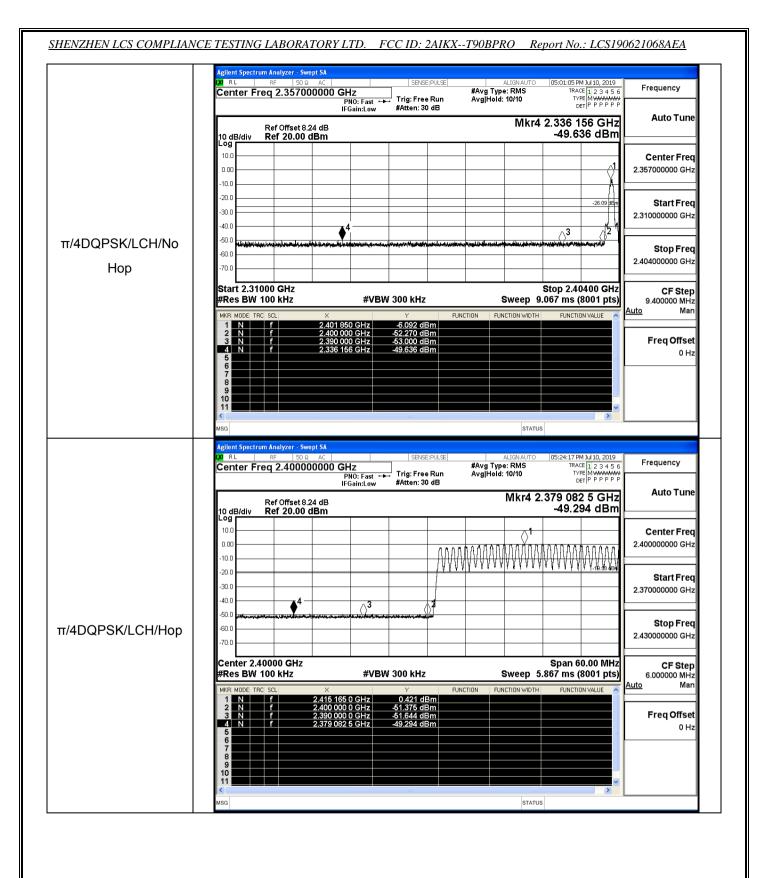


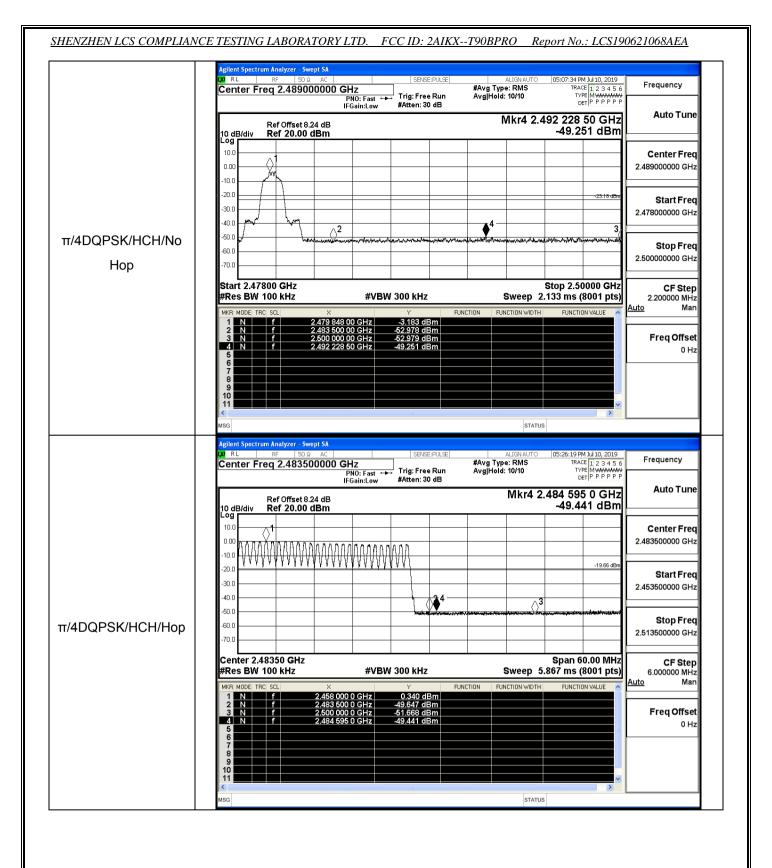
A.7 Band-edge for RF Conducted Emissions

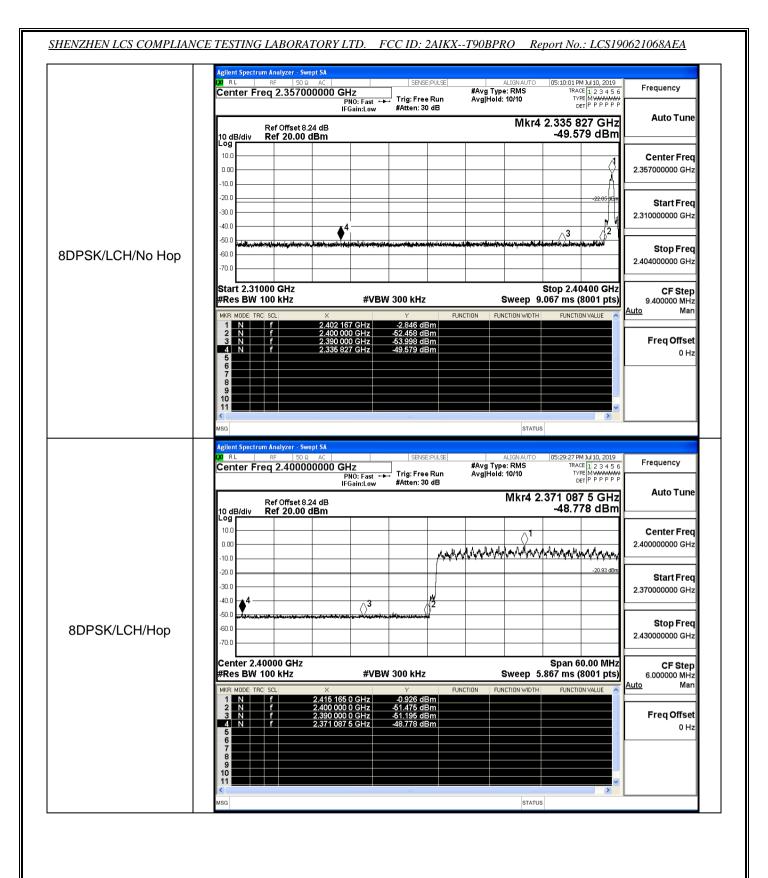
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
		0.400	-5.149	Off	-49.790	-25.15	PASS	
0.501/	LCH	2402	0.350	On	-49.211	-19.65	PASS	
GFSK	НСН			-1.850	Off	-50.183	-21.85	PASS
		2480	0.463	On	-49.506	-19.54	PASS	
	LCH	2402	-6.092	Off	-49.636	-26.09	PASS	
			0.421	On	-49.294	-19.58	PASS	
π/4DQPSK	нсн	CH 2480	-3.183	Off	-49.251	-23.18	PASS	
			0.340	On	-49.441	-19.66	PASS	
			-2.846	Off	-49.579	-22.85	PASS	
	LCH	2402	-0.926	On	-48.778	-20.93	PASS	
8DPSK			-3.617	Off	-49.393	-23.62	PASS	
	HCH	2480	-1.131	On	-48.759	-21.13	PASS	

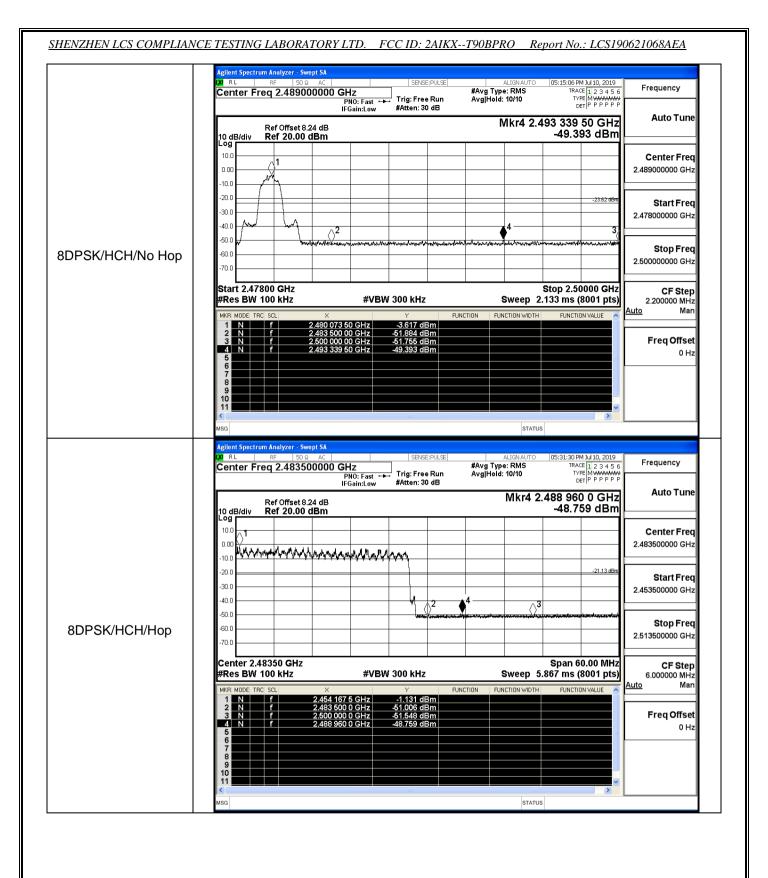






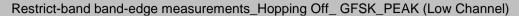


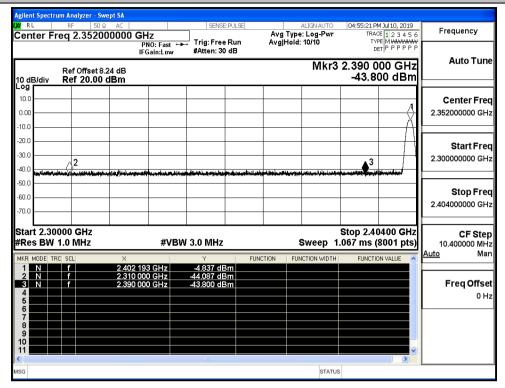




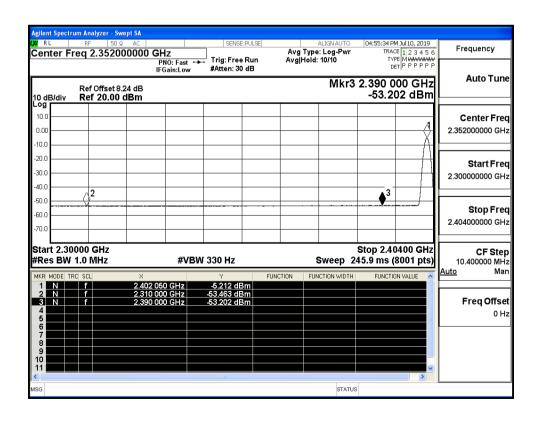
A.8 Restrict-band band-edge measurements

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	51.17	PEAK	74	PASS
	Off	2310.0	-53.46	2.0	0	41.79	AV	54	PASS
	Off	2390.0	-43.80	2.0	0	51.46	PEAK	74	PASS
05014	Off	2390.0	-53.20	2.0	0	42.06	AV	54	PASS
GFSK	Off	2483.5	-43.76	2.0	0	51.50	PEAK	74	PASS
	Off	2483.5	-52.89	2.0	0	42.37	AV	54	PASS
	Off	2500.0	-42.76	2.0	0	52.49	PEAK	74	PASS
	Off	2500.0	-52.86	2.0	0	42.40	AV	54	PASS
	Off	2310.0	-43.91	2.0	0	51.35	PEAK	74	PASS
	Off	2310.0	-53.49	2.0	0	41.76	AV	54	PASS
	Off	2390.0	-42.89	2.0	0	52.37	PEAK	74	PASS
/4D0D0K	Off	2390.0	-53.14	2.0	0	42.12	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.16	2.0	0	53.10	PEAK	74	PASS
	Off	2483.5	-52.89	2.0	0	42.37	AV	54	PASS
	Off	2500.0	-41.97	2.0	0	53.28	PEAK	74	PASS
	Off	2500.0	-52.82	2.0	0	42.44	AV	54	PASS
	Off	2310.0	-42.08	2.0	0	53.18	PEAK	74	PASS
	Off	2310.0	-53.34	2.0	0	41.92	AV	54	PASS
	Off	2390.0	-41.41	2.0	0	53.85	PEAK	74	PASS
	Off	2390.0	-53.18	2.0	0	42.08	AV	54	PASS
8DPSK	Off	2483.5	-43.12	2.0	0	52.14	PEAK	74	PASS
	Off	2483.5	-52.84	2.0	0	42.42	AV	54	PASS
	Off	2500.0	-42.51	2.0	0	52.75	PEAK	74	PASS
	Off	2500.0	-52.77	2.0	0	42.48	AV	54	PASS

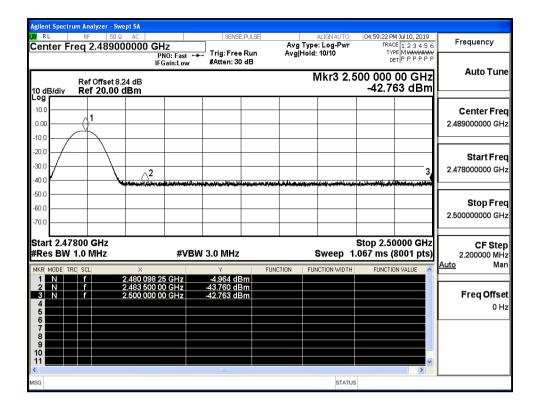




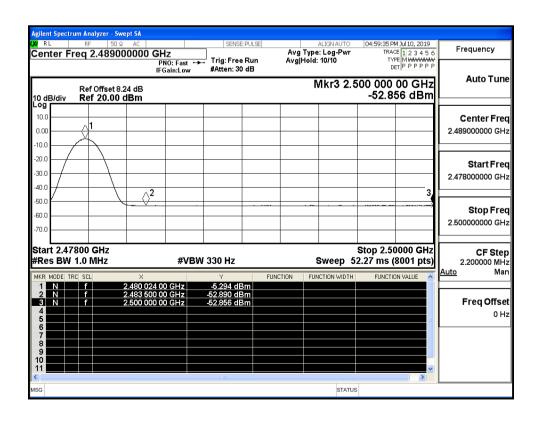
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



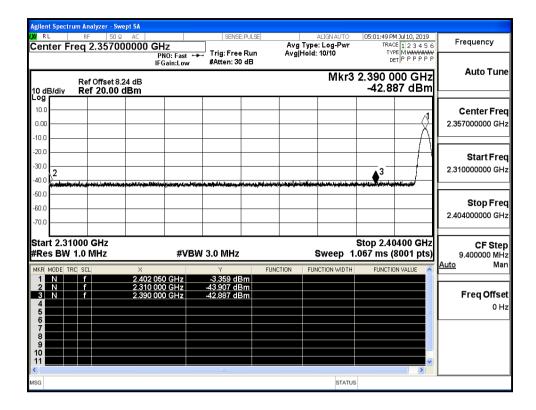
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



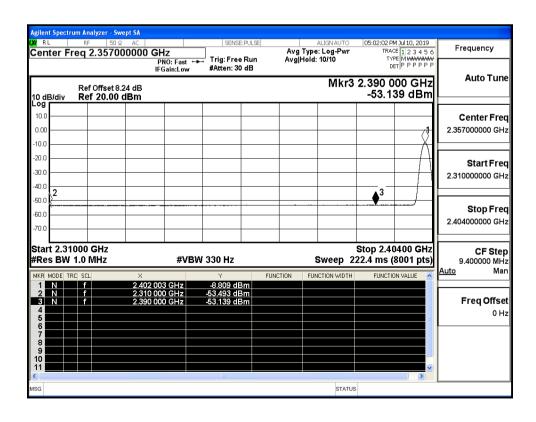
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



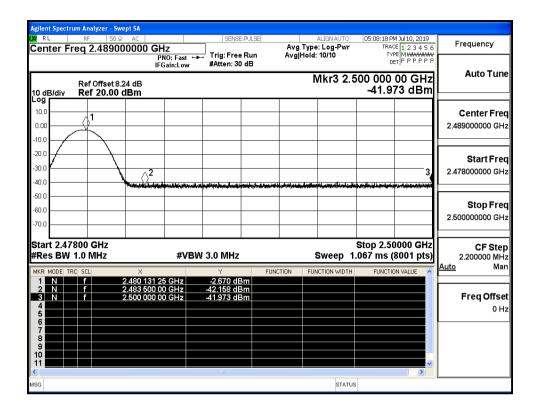
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



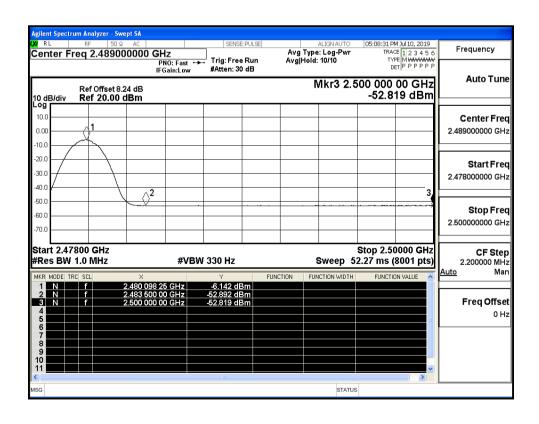
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



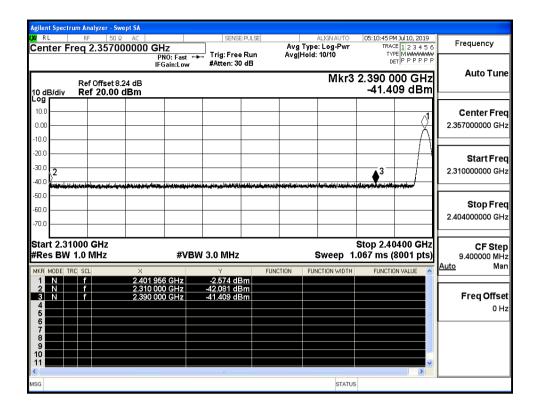
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



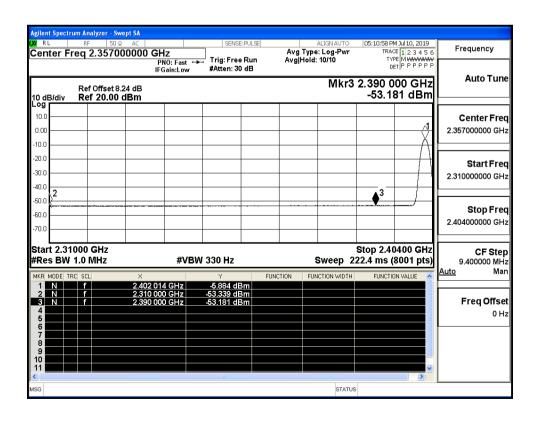
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



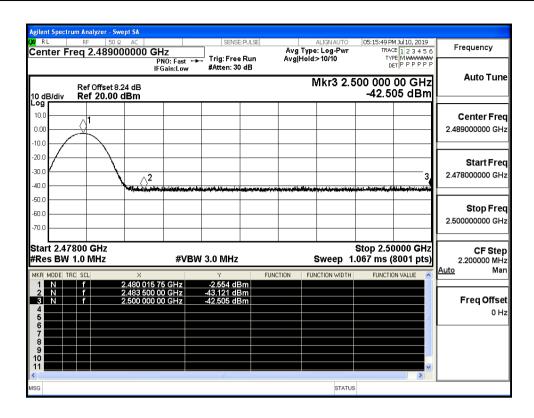
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

