Appendix A

RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

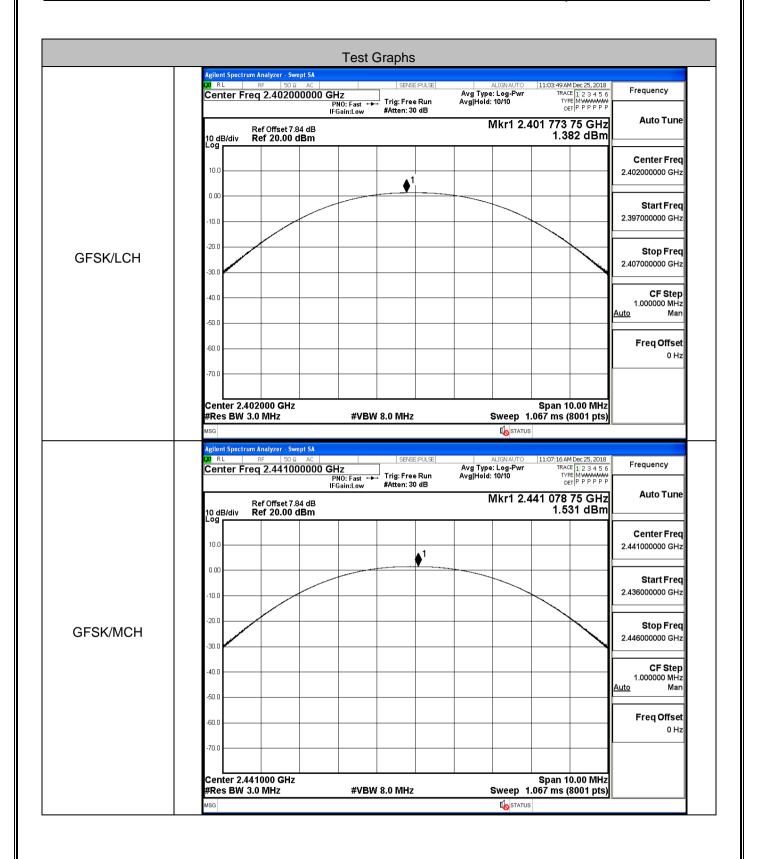
Product Name: Smart Phone Test Model: W55s

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina Xu
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	1.382	1.173	21	PASS
GFSK	MCH	1.531	1.358	21	PASS
	HCH	1.460	1.322	21	PASS
	LCH	0.583	0.399	21	PASS
π/4DQPSK	MCH	0.715	0.510	21	PASS
	нсн	0.624	0.430	21	PASS
8DPSK	LCH	0.736	0.547	21	PASS
	MCH	0.835	0.644	21	PASS
	HCH	0.754	0.539	21	PASS



#VBW 8.0 MHz

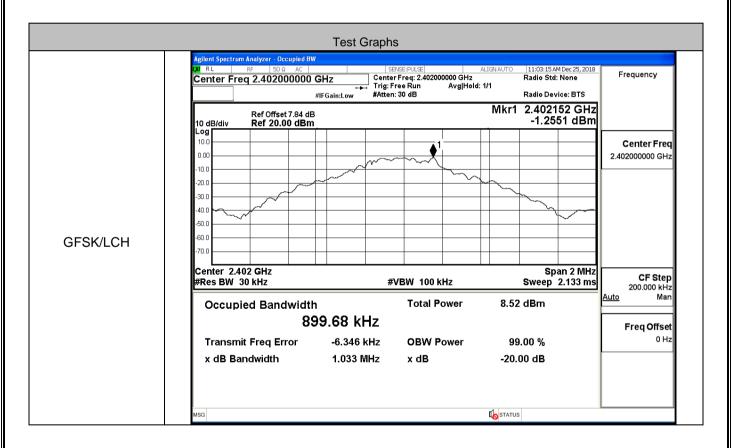
Span 10.00 MHz Sweep 1.067 ms (8001 pts)

STATUS

Center 2.480000 GHz #Res BW 3.0 MHz

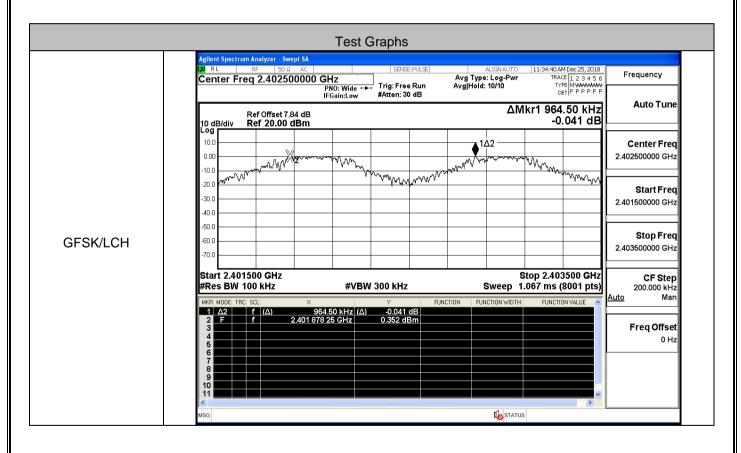
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.033	Not Specified	PASS
GFSK	MCH	1.042	Not Specified	PASS
	нсн	1.040	Not Specified	PASS
	LCH	1.309	Not Specified	PASS
π/4DQPSK	MCH	1.310	Not Specified	PASS
	НСН	1.290	Not Specified	PASS
	LCH	1.296	Not Specified	PASS
8DPSK	MCH	1.294	Not Specified	PASS
	НСН	1.296	Not Specified	PASS

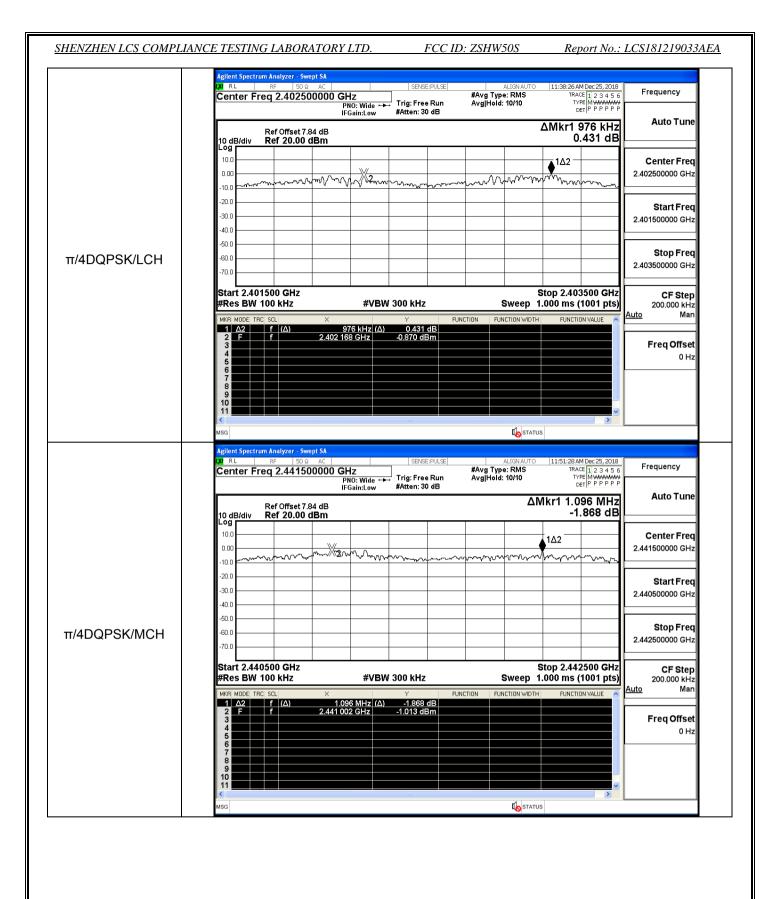


A.3 Carrier Frequency Separation

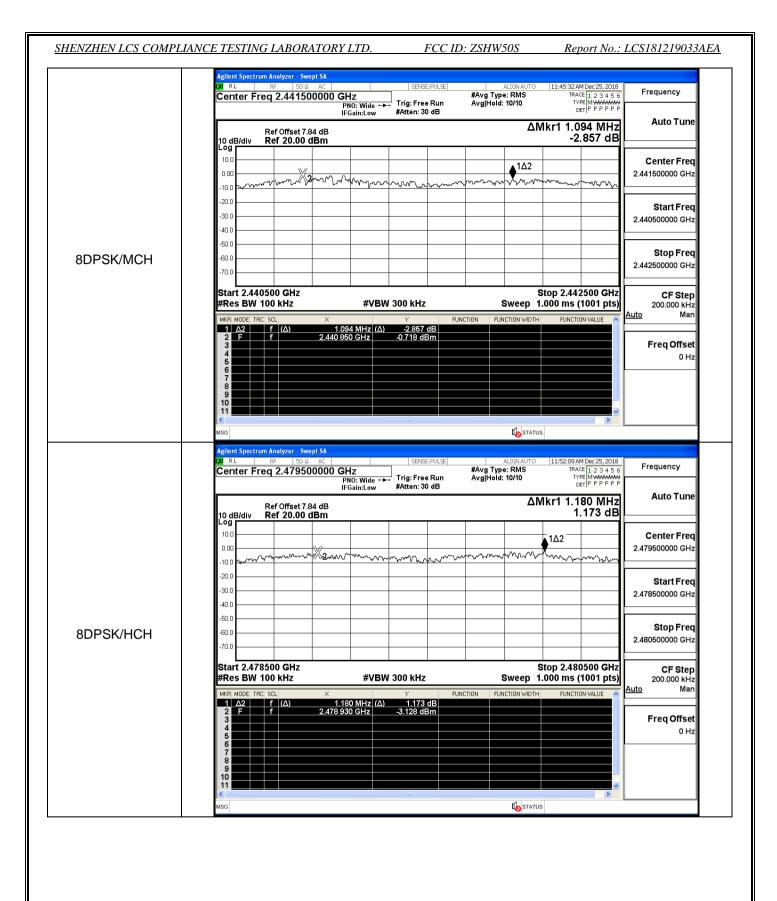
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.964	0.695	PASS
GFSK	MCH	0.834	0.695	PASS
	HCH	0.894	0.695	PASS
	LCH	0.976	0.873	PASS
π/4DQPSK	MCH	1.096	0.873	PASS
	HCH	0.970	0.873	PASS
8DPSK	LCH	1.326	0.864	PASS
	MCH	1.094	0.864	PASS
	HCH	1.180	0.864	PASS





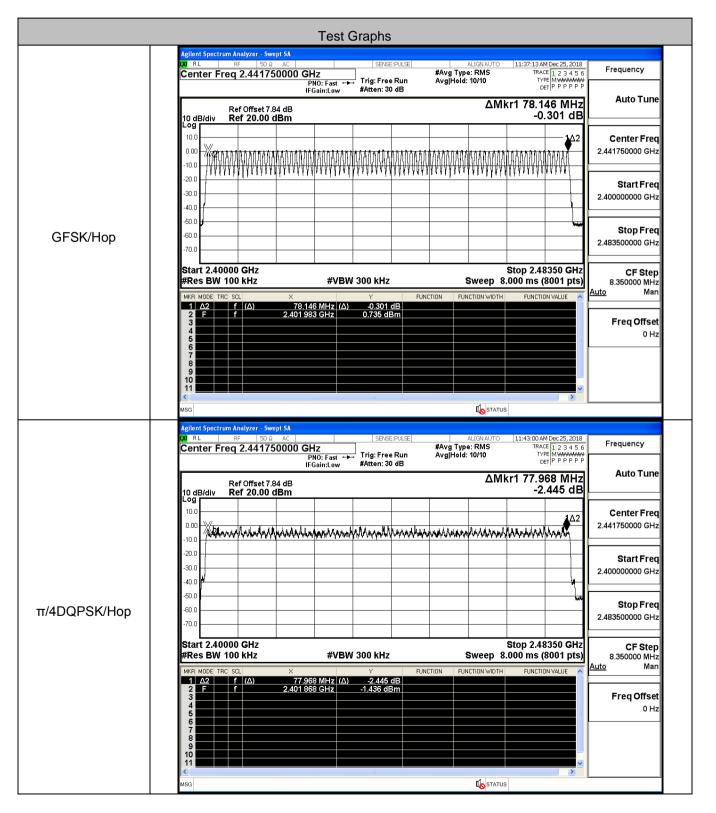






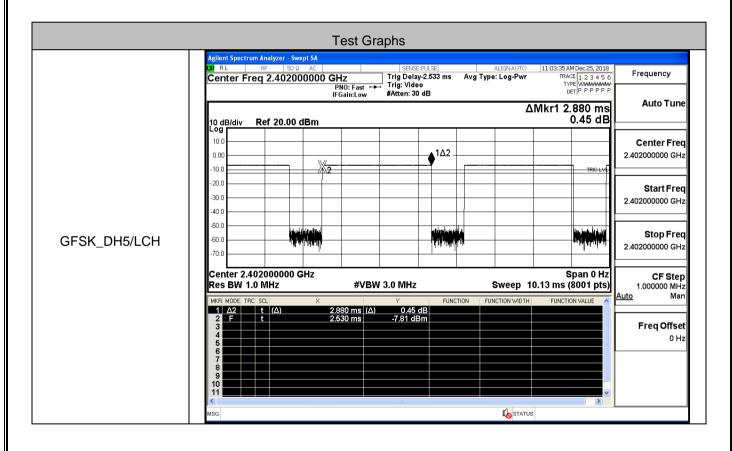
A.4 Hopping Channel Number

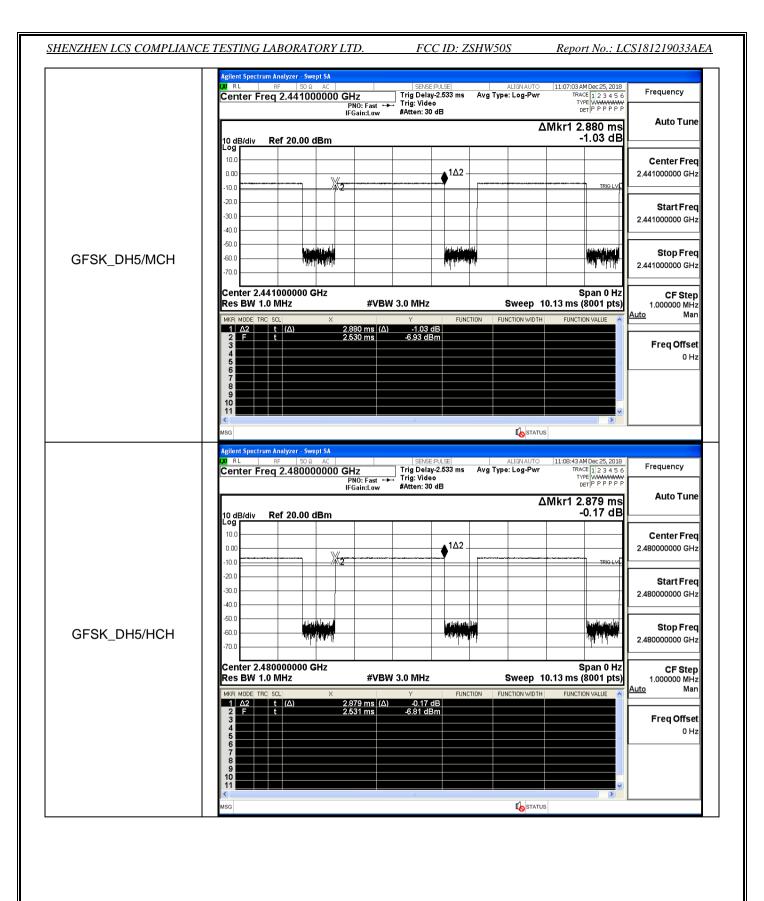
Mode	Mode Channel. Number of Hopping Channel [Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

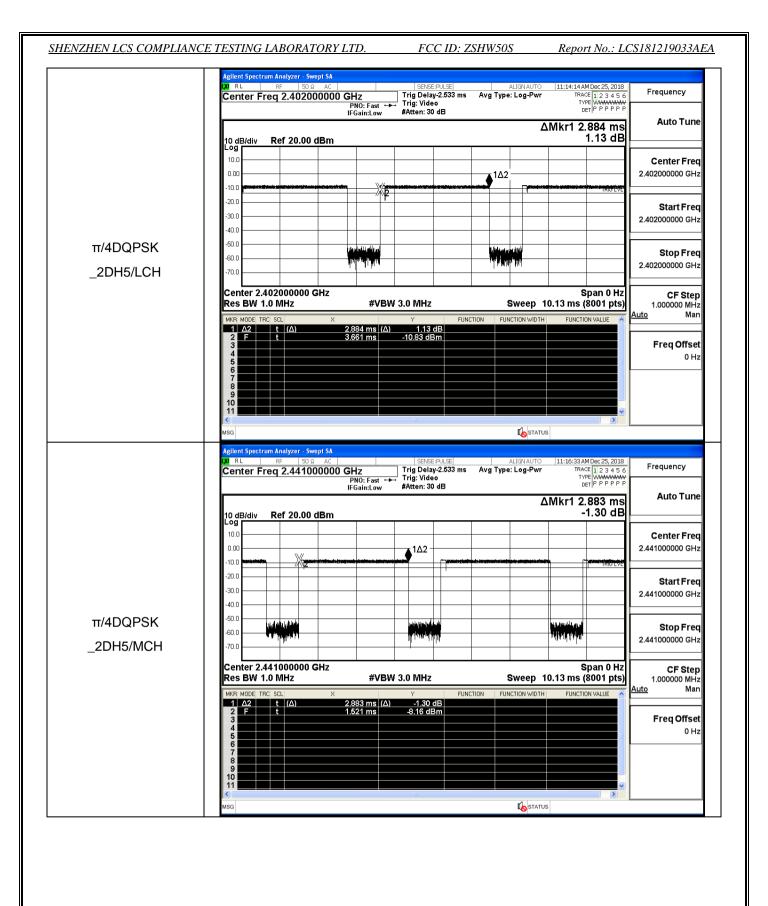


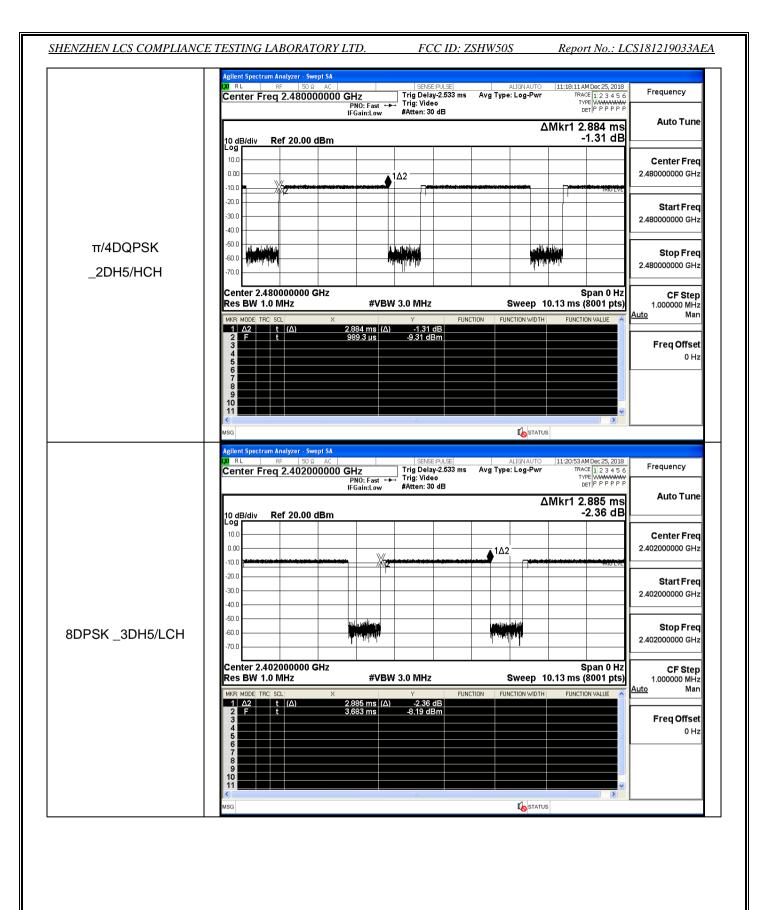
A.5 Dwell Time

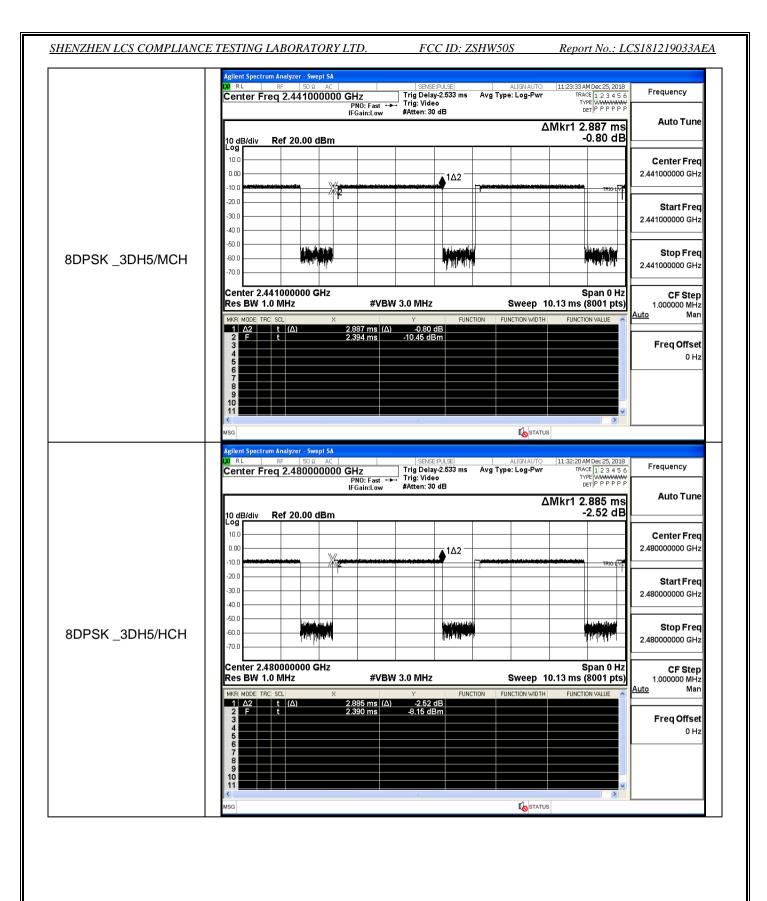
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	МСН	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	МСН	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
8DPSK	3DH5	LCH	2.89	106.7	0.308	0.4	PASS
	3DH5	MCH	2.89	106.7	0.308	0.4	PASS
	3DH5	HCH	2.89	106.7	0.308	0.4	PASS





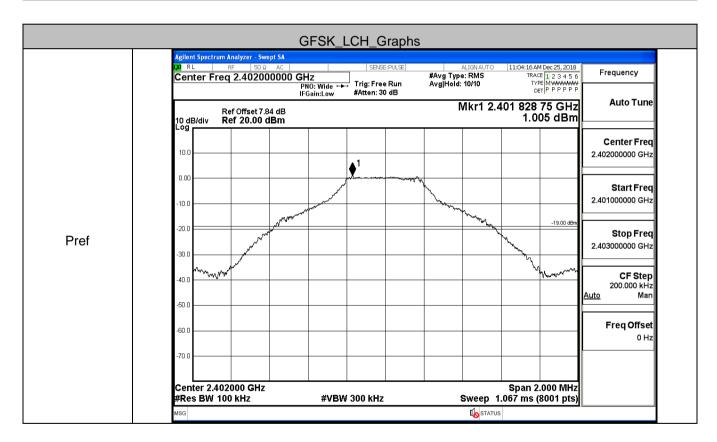






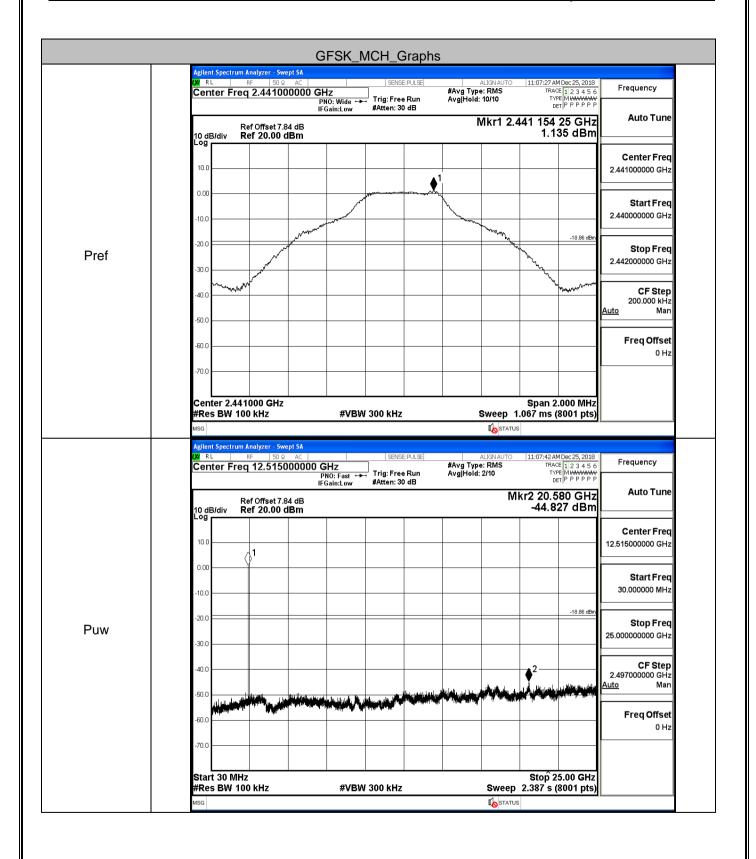
A.6 RF Conducted Spurious Emissions

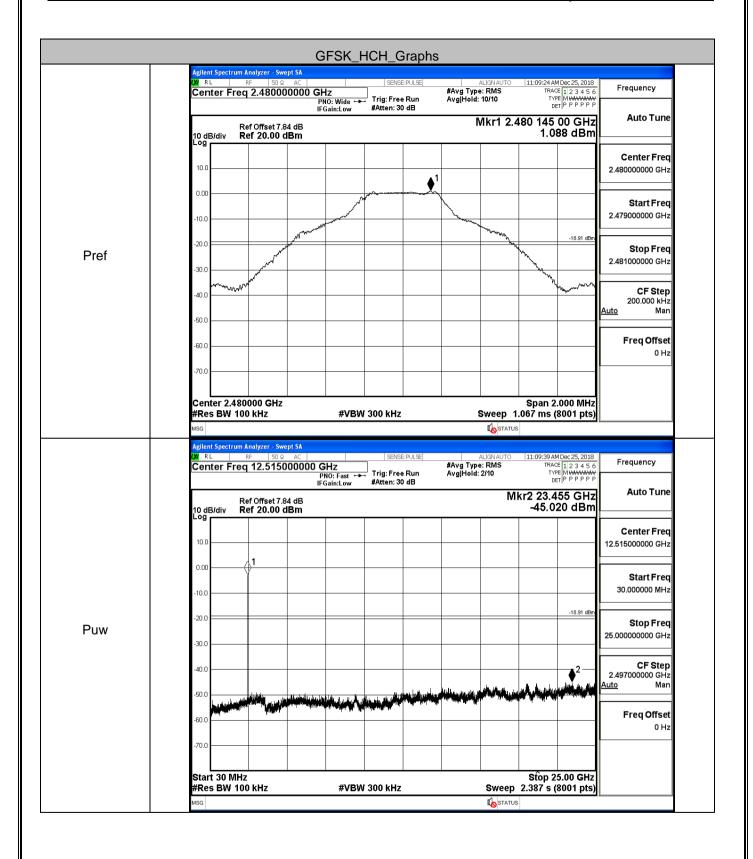
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	1.005	-44.604	-18.995	PASS
GFSK	MCH	1.135	-44.827	-18.865	PASS
	HCH	1.088	-45.020	-18.912	PASS
	LCH	-0.41	-44.602	-20.410	PASS
π/4DQPSK	MCH	-0.204	-45.306	-20.204	PASS
	HCH	-0.274	-45.092	-20.274	PASS
	LCH	-0.914	-44.815	-20.914	PASS
8DPSK	MCH	-0.194	-45.033	-20.194	PASS
	HCH	-0.825	-44.067	-20.825	PASS

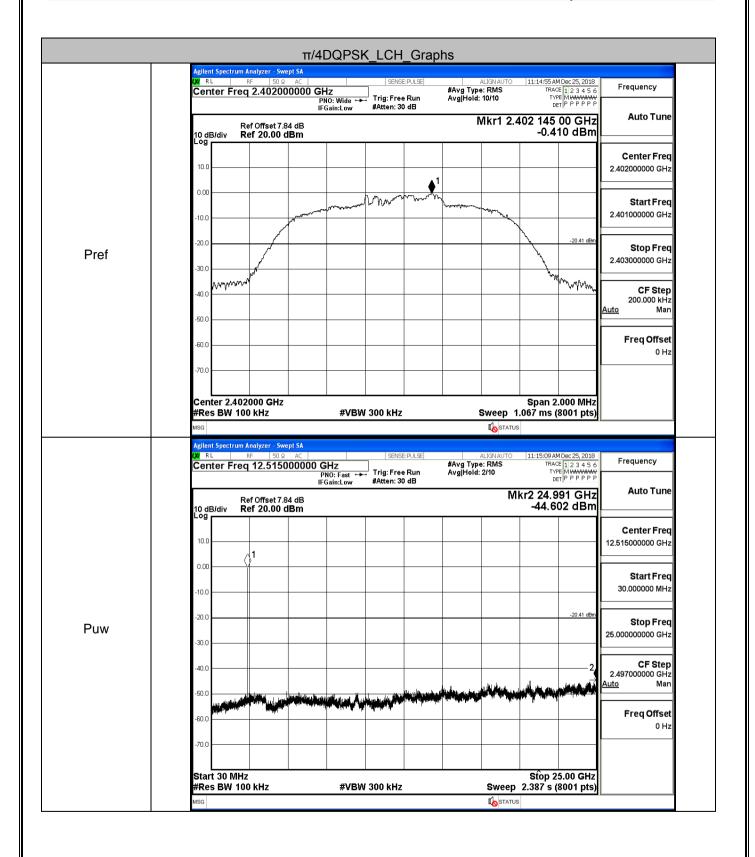


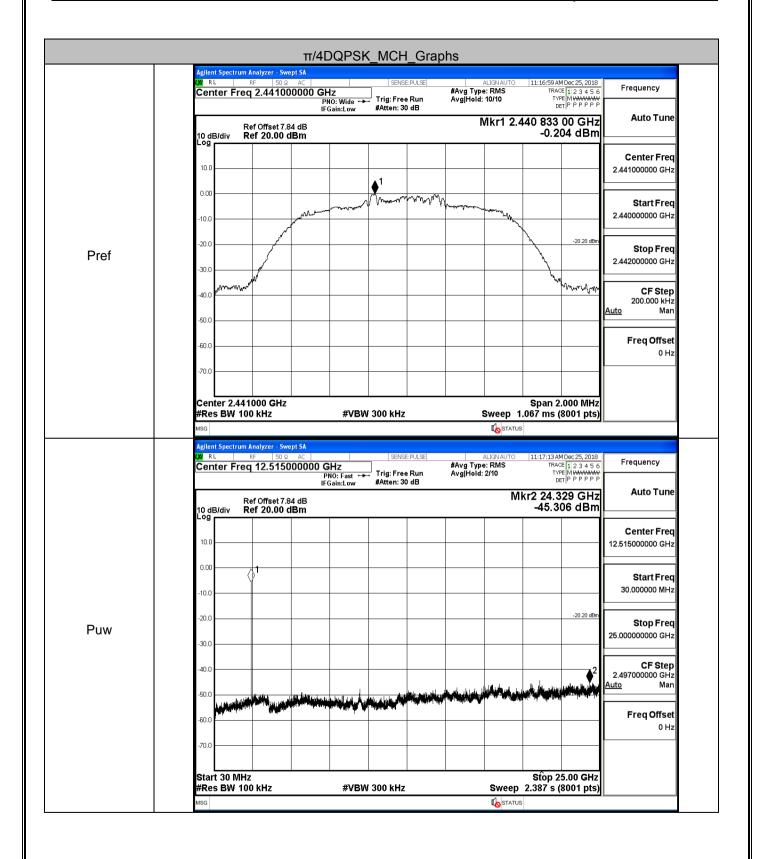
#VBW 300 kHz

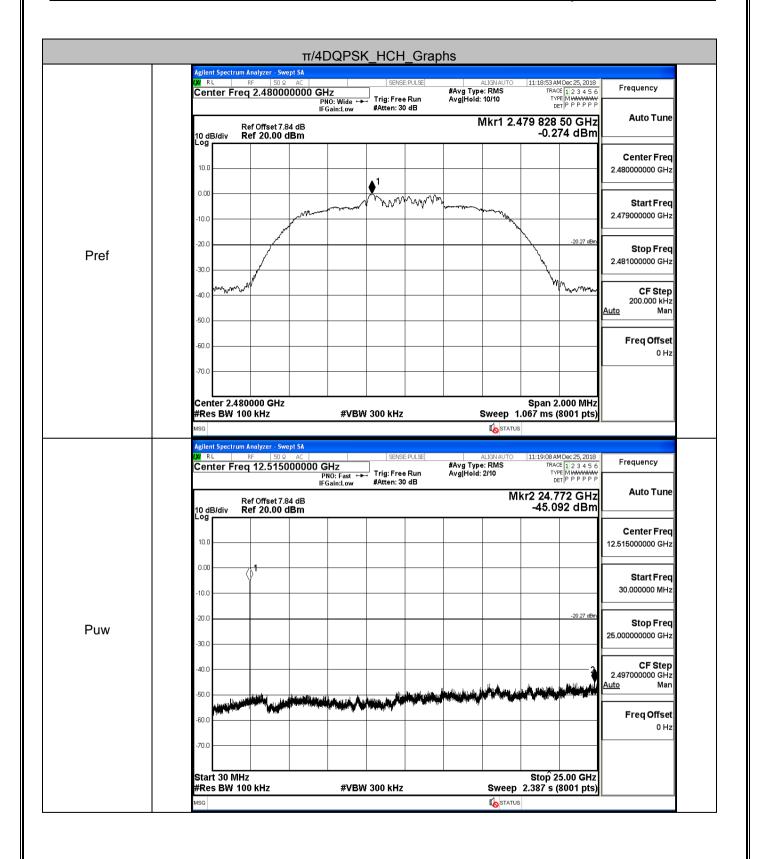
STATUS

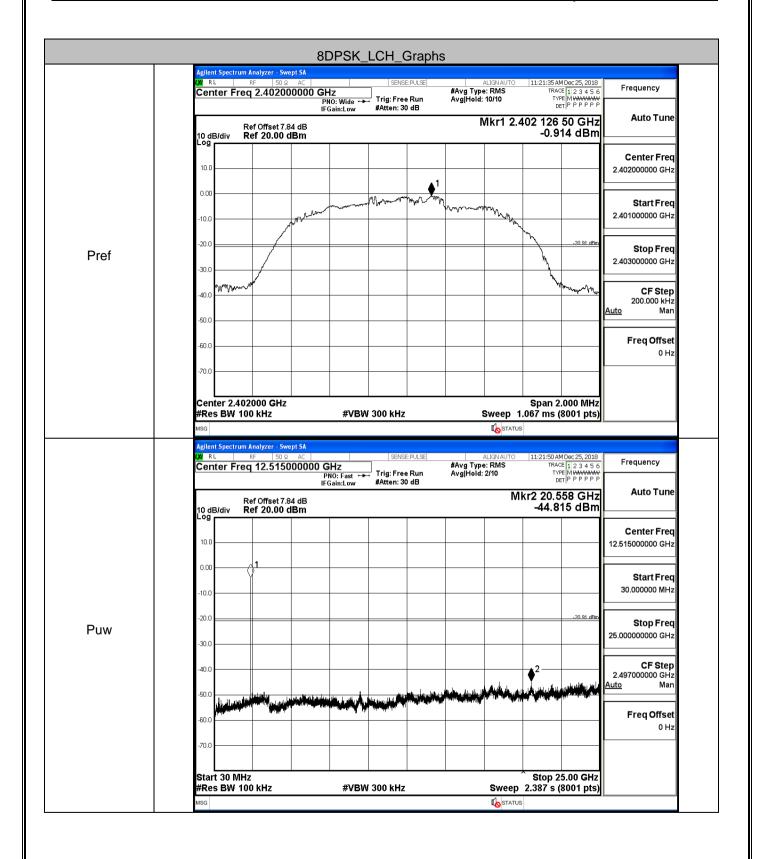


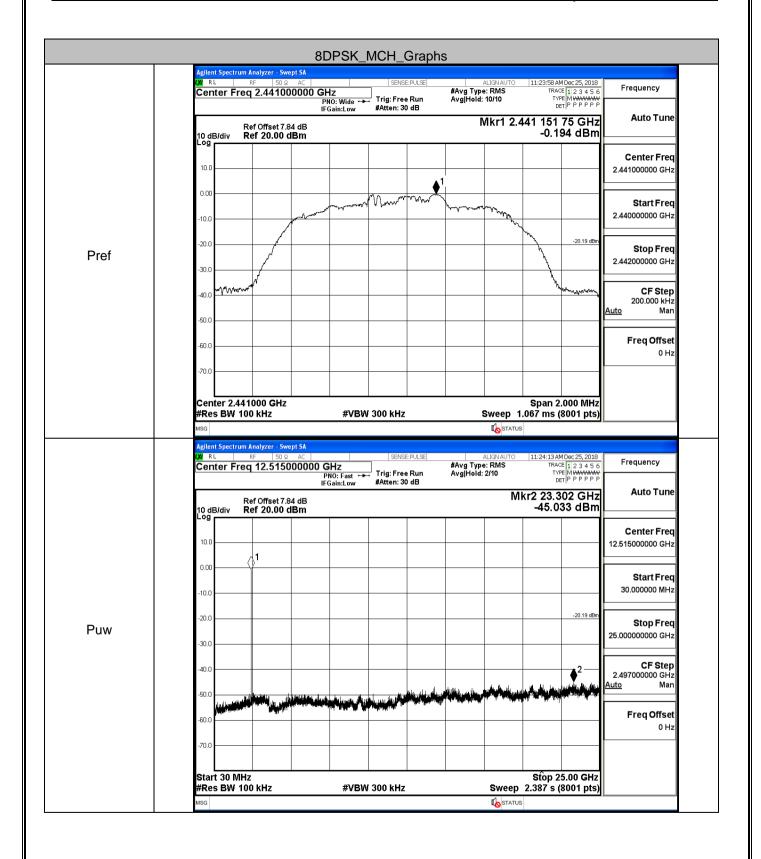


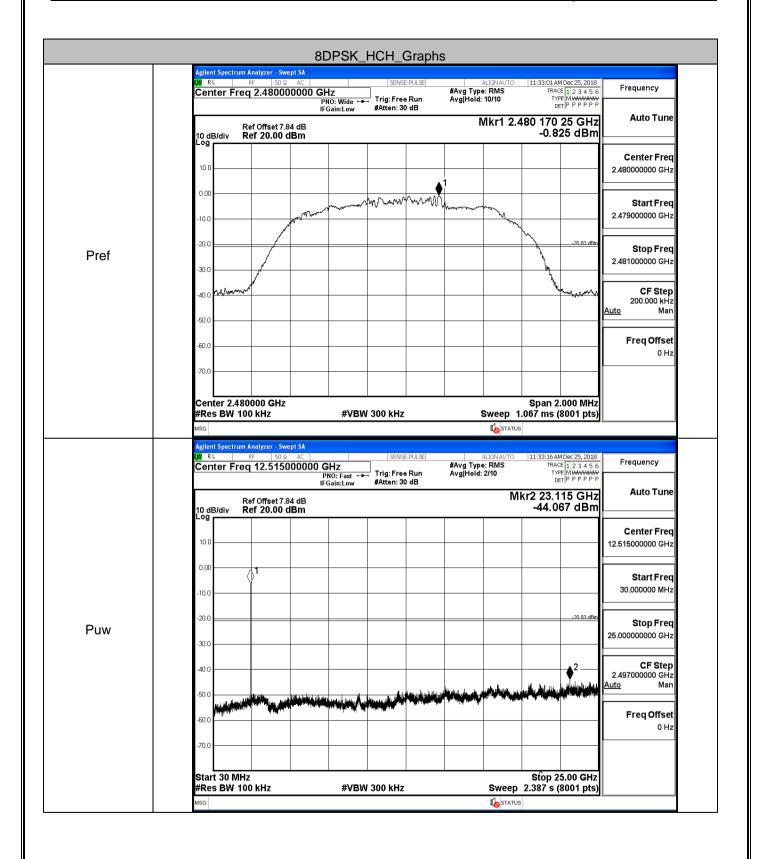






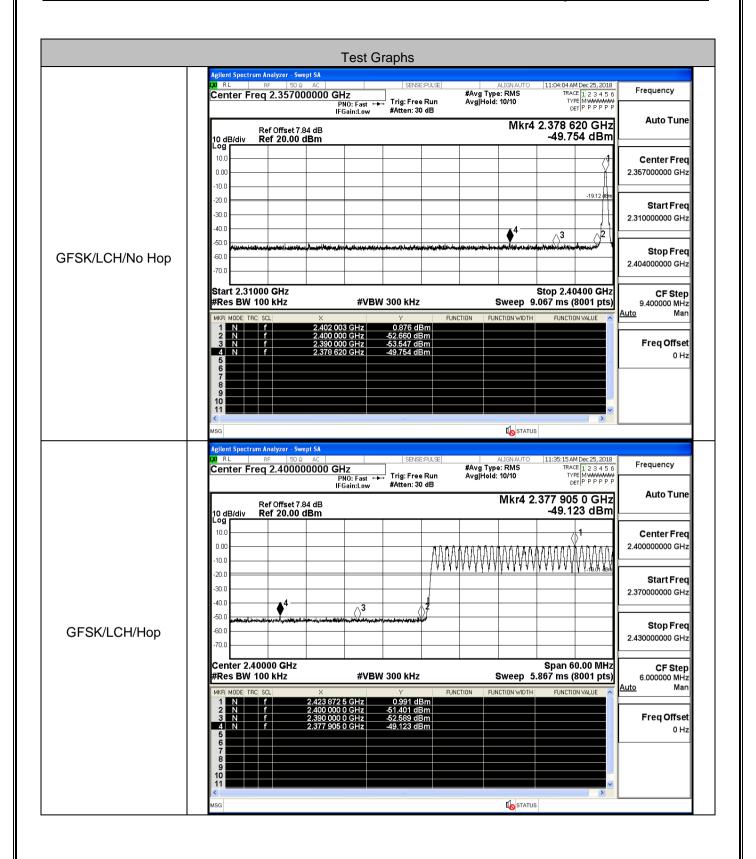


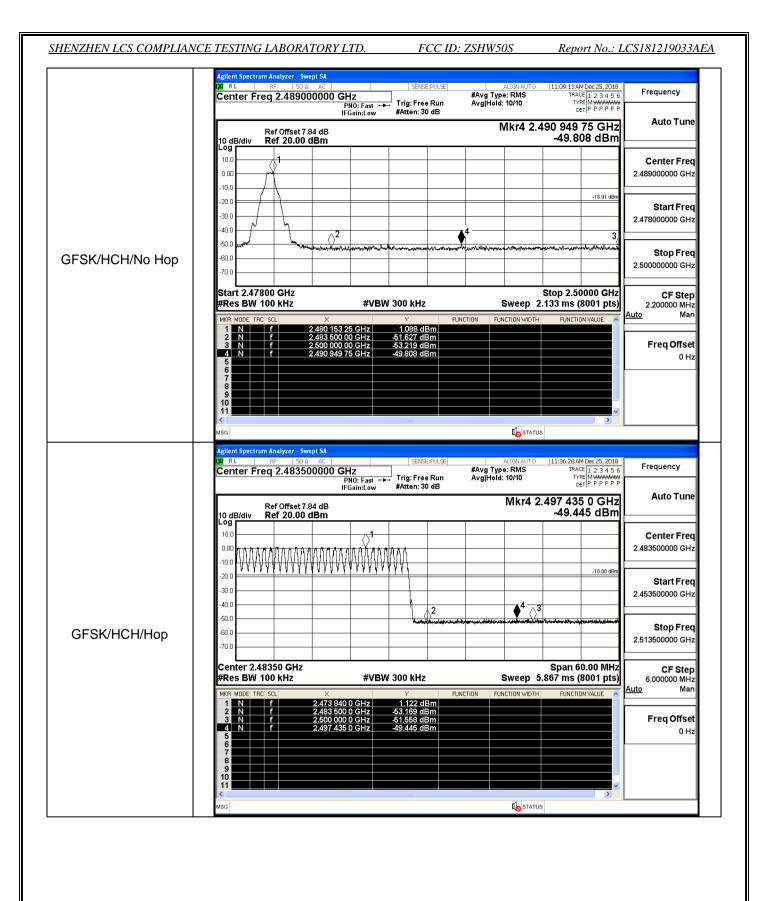


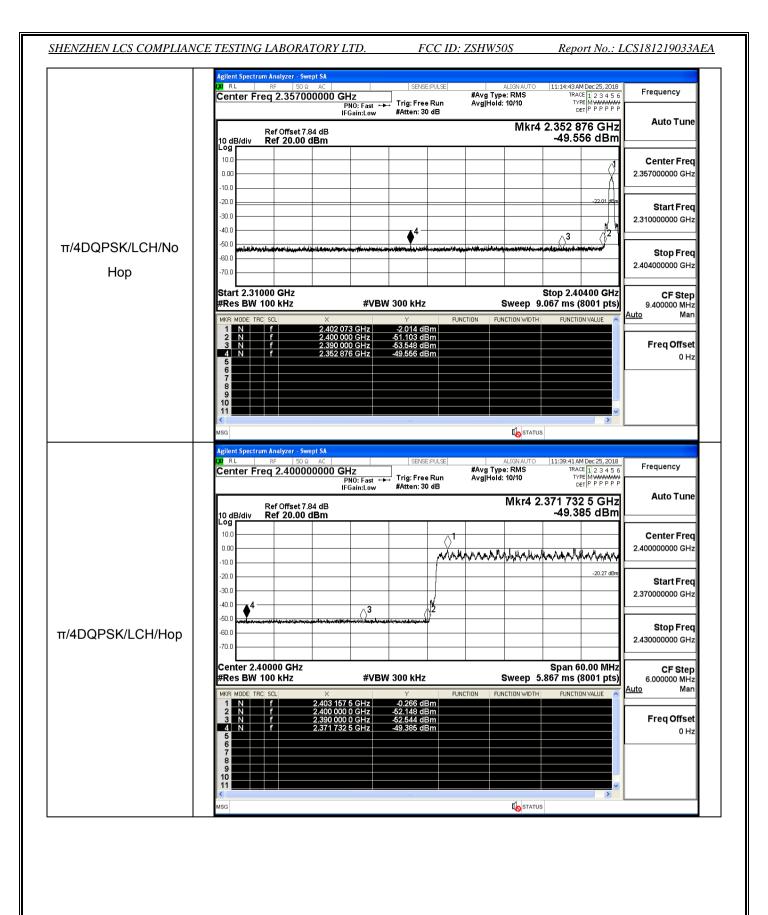


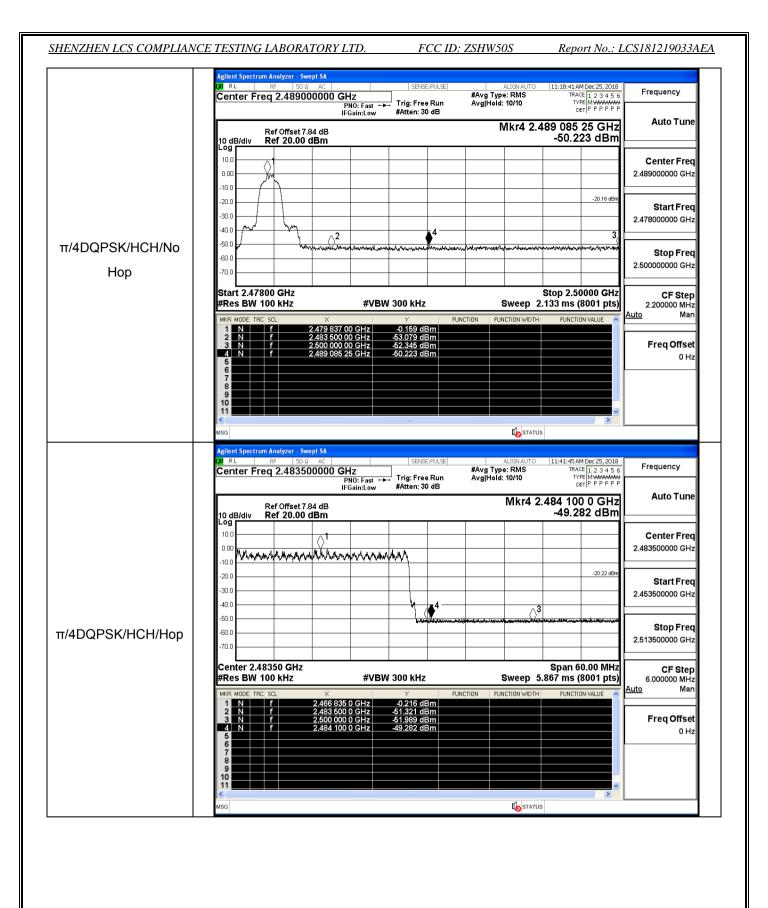
A.7 Band-edge for RF Conducted Emissions

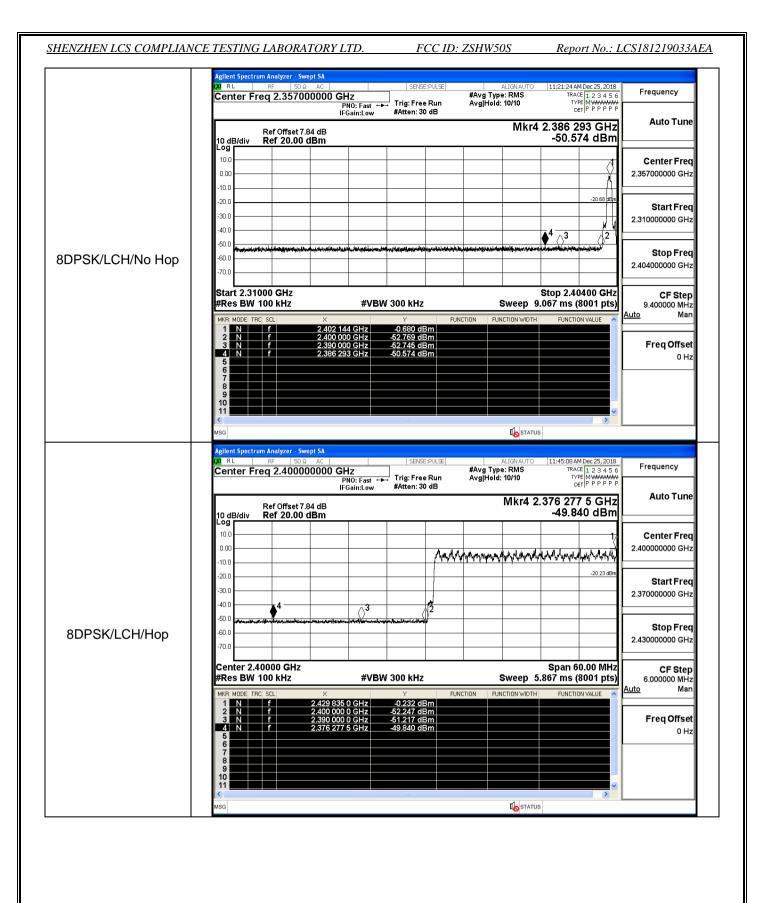
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
			0.876	Off	-49.754	-19.12	PASS
0.501/	LCH	2402	0.991	On	-49.123	-19.01	PASS
GFSK		2480	1.088	Off	-49.808	-18.91	PASS
	HCH		1.122	On	-49.445	-18.88	PASS
	LCH		-2.014	Off	-49.556	-22.01	PASS
		2402	-0.266	On	-49.385	-20.27	PASS
π/4DQPSK	нсн		-0.159	Off	-50.223	-20.16	PASS
		2480	-0.216	On	-49.282	-20.22	PASS
			-0.680	Off	-50.574	-20.68	PASS
	LCH	2402	-0.232	On	-49.840	-20.23	PASS
8DPSK			-0.291	Off	-49.925	-20.29	PASS
	HCH	2480	-0.200	On	-49.446	-20.2	PASS

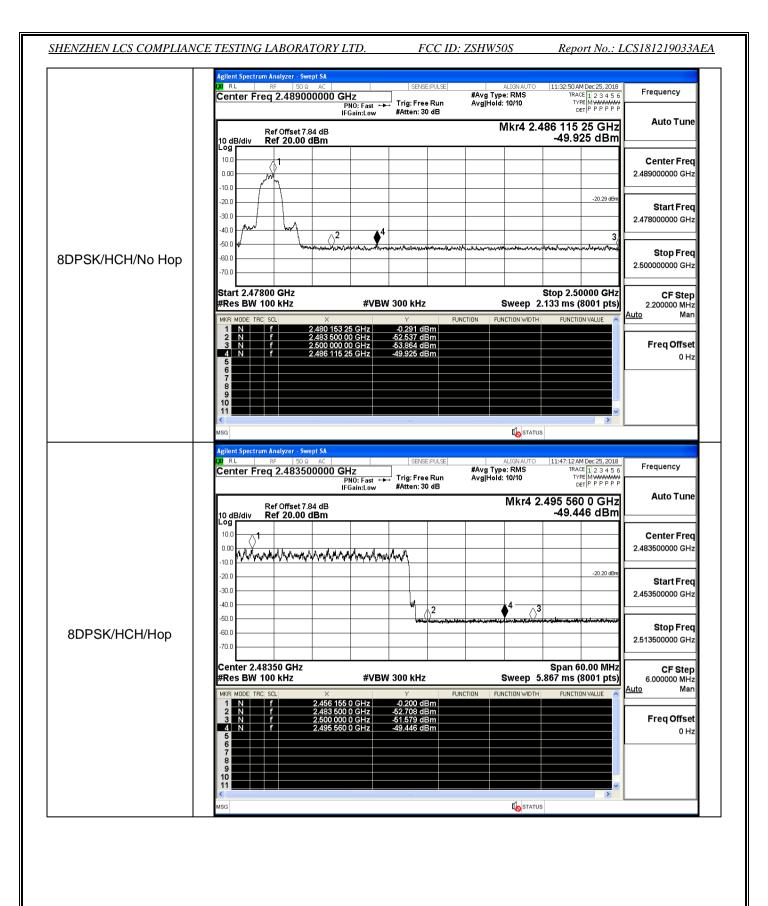








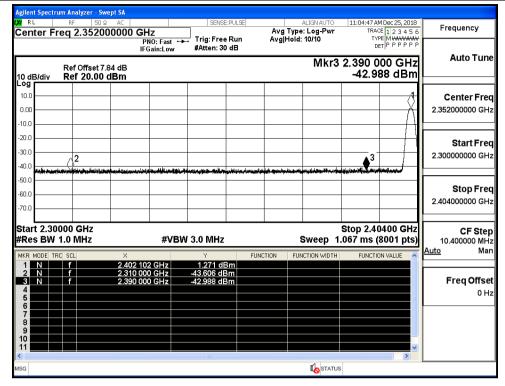




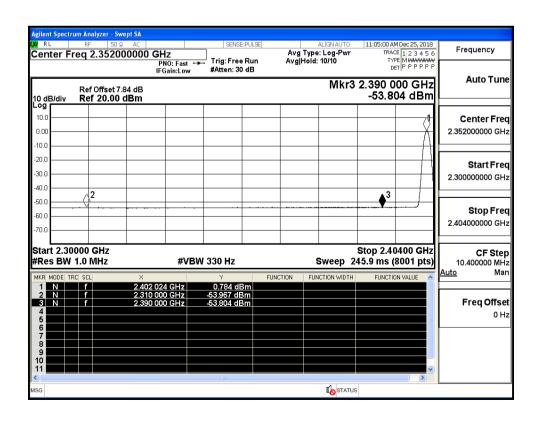
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.61	2.0	0	53.65	PEAK	74	PASS
	Off	2310.0	-53.97	2.0	0	43.29	AV	54	PASS
	Off	2390.0	-42.99	2.0	0	54.27	PEAK	74	PASS
05014	Off	2390.0	-53.80	2.0	0	43.45	AV	54	PASS
GFSK	Off	2483.5	-43.98	2.0	0	53.28	PEAK	74	PASS
	Off	2483.5	-53.48	2.0	0	43.78	AV	54	PASS
	Off	2500.0	-43.23	2.0	0	54.02	PEAK	74	PASS
	Off	2500.0	-53.31	2.0	0	43.95	AV	54	PASS
	Off	2310.0	-43.60	2.0	0	53.66	PEAK	74	PASS
	Off	2310.0	-54.09	2.0	0	43.17	AV	54	PASS
	Off	2390.0	-43.08	2.0	0	54.18	PEAK	74	PASS
/4D0D0K	Off	2390.0	-53.67	2.0	0	43.59	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.56	2.0	0	52.69	PEAK	74	PASS
	Off	2483.5	-53.40	2.0	0	43.86	AV	54	PASS
	Off	2500.0	-43.63	2.0	0	53.62	PEAK	74	PASS
	Off	2500.0	-53.33	2.0	0	43.93	AV	54	PASS
	Off	2310.0	-44.20	2.0	0	53.06	PEAK	74	PASS
	Off	2310.0	-53.99	2.0	0	43.27	AV	54	PASS
	Off	2390.0	-43.53	2.0	0	53.72	PEAK	74	PASS
	Off	2390.0	-53.60	2.0	0	43.65	AV	54	PASS
8DPSK	Off	2483.5	-43.44	2.0	0	53.82	PEAK	74	PASS
	Off	2483.5	-53.42	2.0	0	43.84	AV	54	PASS
	Off	2500.0	-43.00	2.0	0	54.26	PEAK	74	PASS
	Off	2500.0	-53.34	2.0	0	43.92	AV	54	PASS

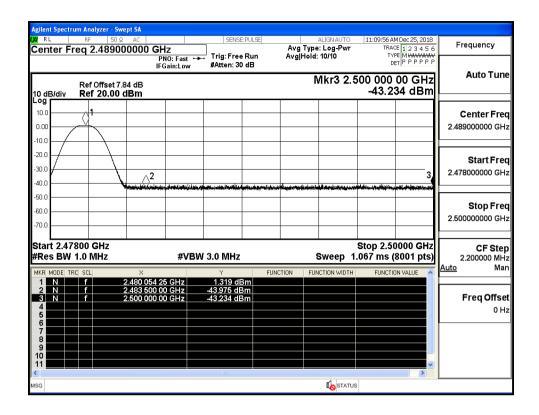




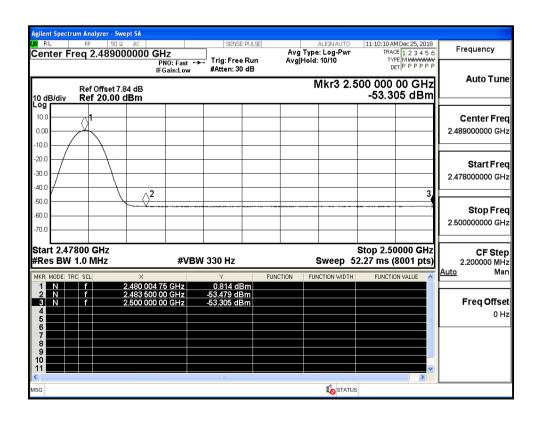
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



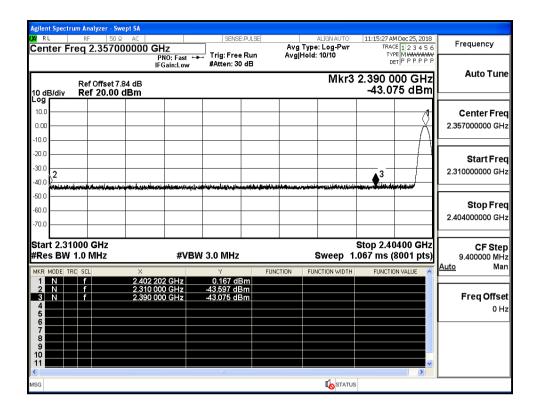
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



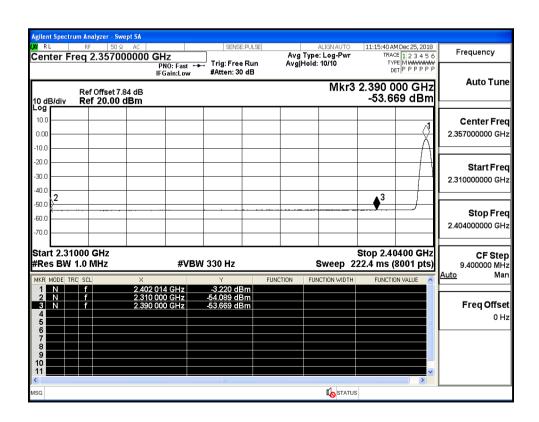
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



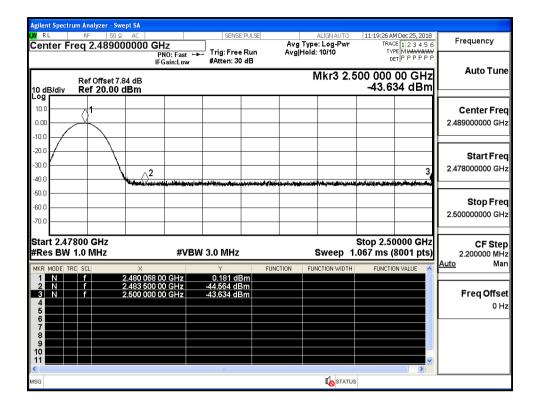
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



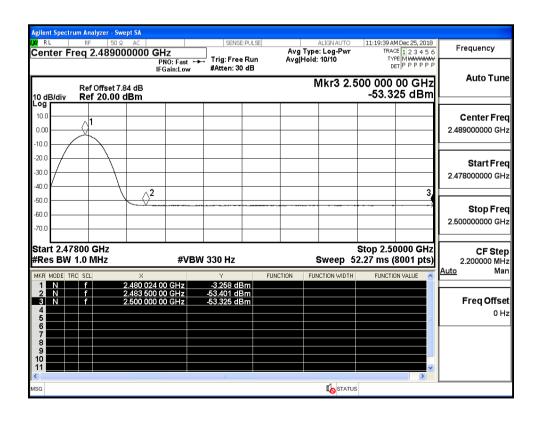
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



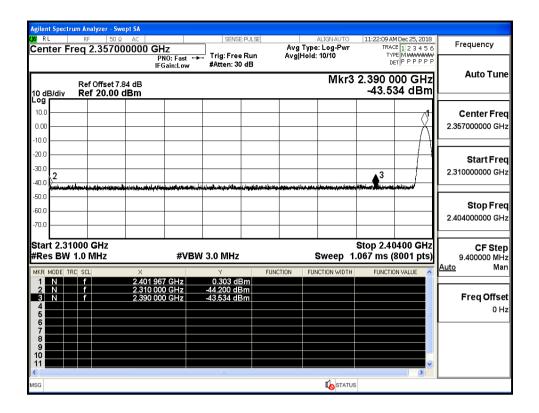
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



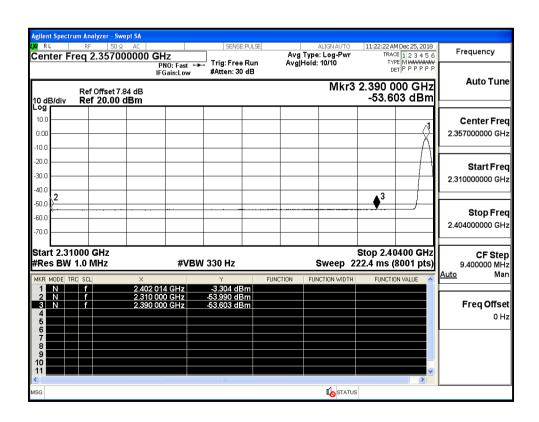
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



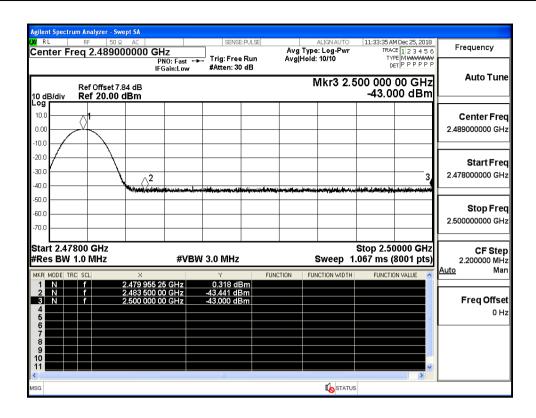
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

