Appendix A

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

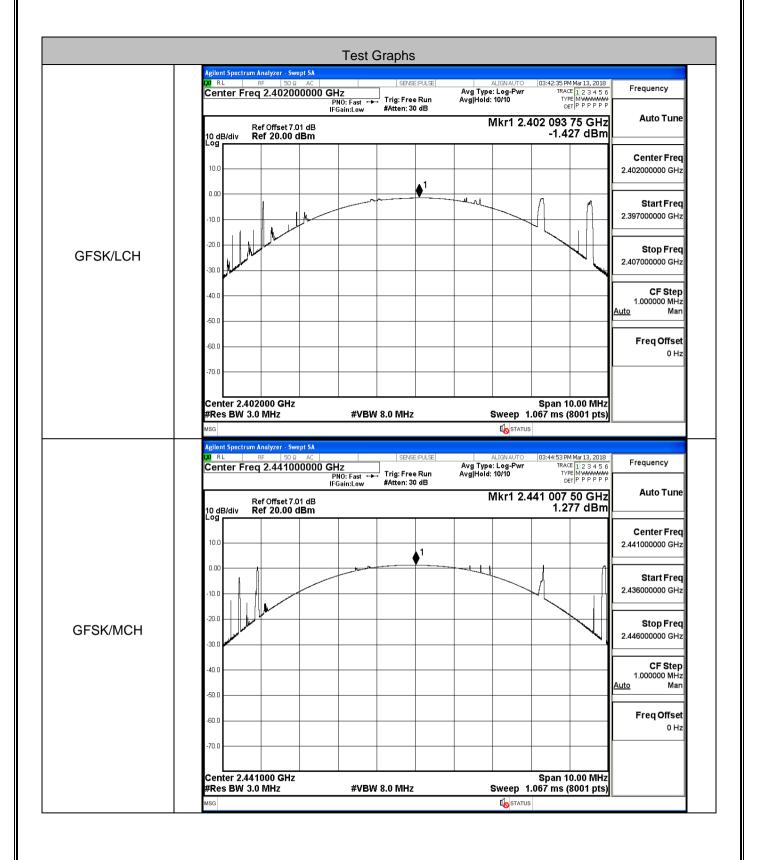
Product Name: Bluetooth Sport Headset Trade Mark: AWEI Test Model: A880BL

Environmental Conditions

Temperature:	21.3 ° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Ryan.Hu
Supervised by:	Jayden Zhuo

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.427	30	PASS
GFSK	MCH	1.277	30	PASS
	НСН	2.733	30	PASS
	LCH	-3.532	21	PASS
π/4DQPSK	MCH	0.313	21	PASS
	НСН	2.037	21	PASS
	LCH	-3.223	21	PASS
8DPSK	PSK MCH 0.516		21	PASS
	HCH	2.207	21	PASS



#VBW 8.0 MHz

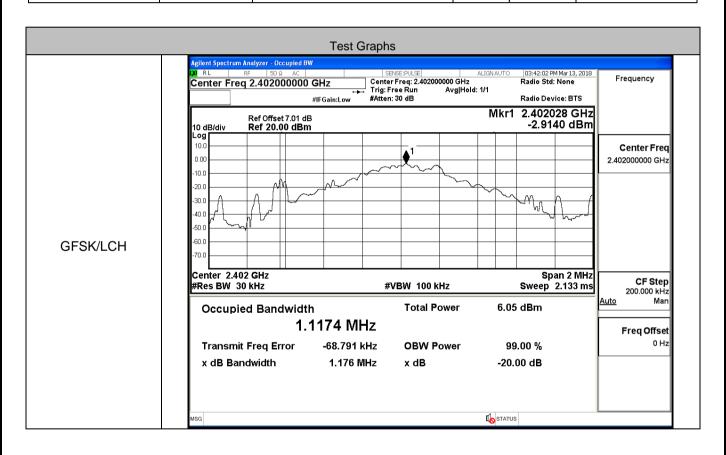
Span 10.00 MHz Sweep 1.067 ms (8001 pts)

STATUS

Center 2.480000 GHz #Res BW 3.0 MHz

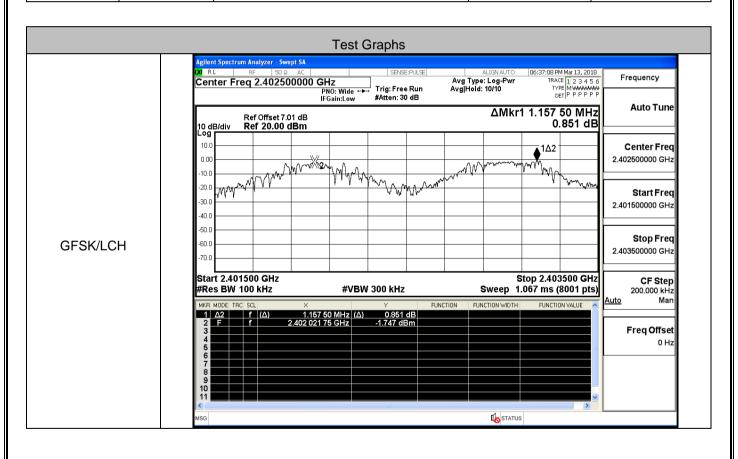
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.176	Not Specified	PASS
GFSK	MCH	1.547	Not Specified	PASS
	НСН	1.402	Not Specified	PASS
	LCH	1.258	Not Specified	PASS
π/4DQPSK	MCH	1.230	Not Specified	PASS
	HCH	1.233	Not Specified	PASS
	LCH	1.275	Not Specified	PASS
8DPSK	MCH	1.261	Not Specified	PASS
	HCH	1.264	Not Specified	PASS

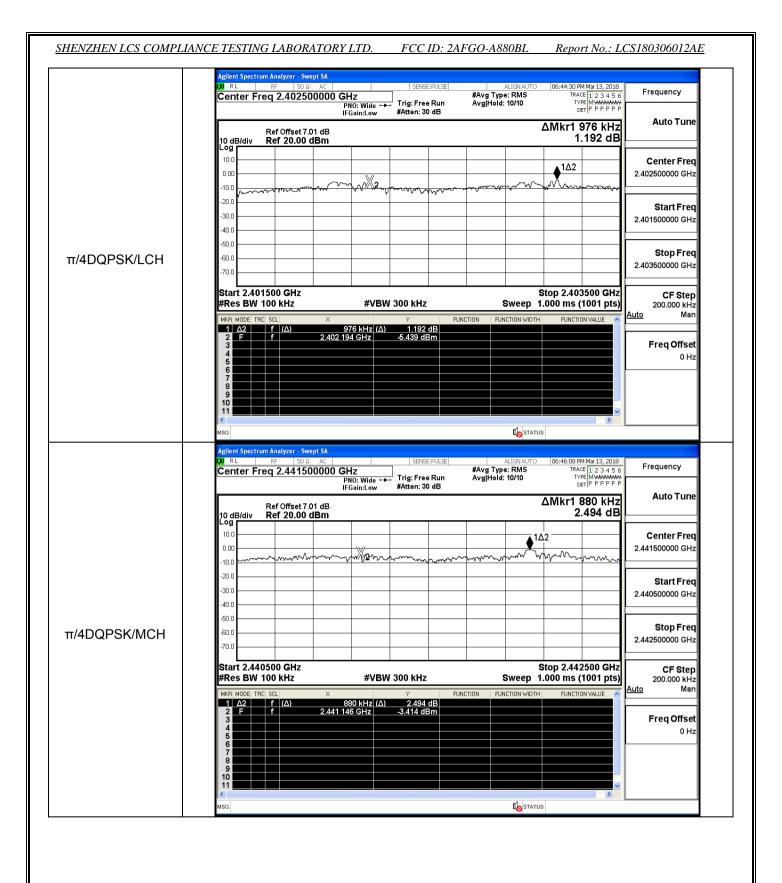


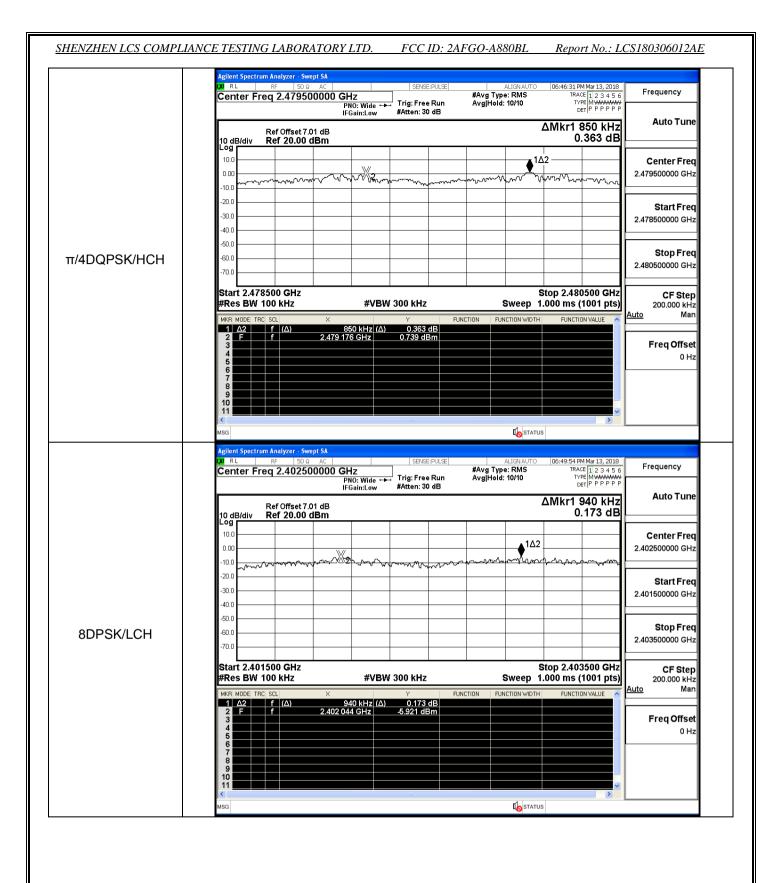
A.3 Carrier Frequency Separation

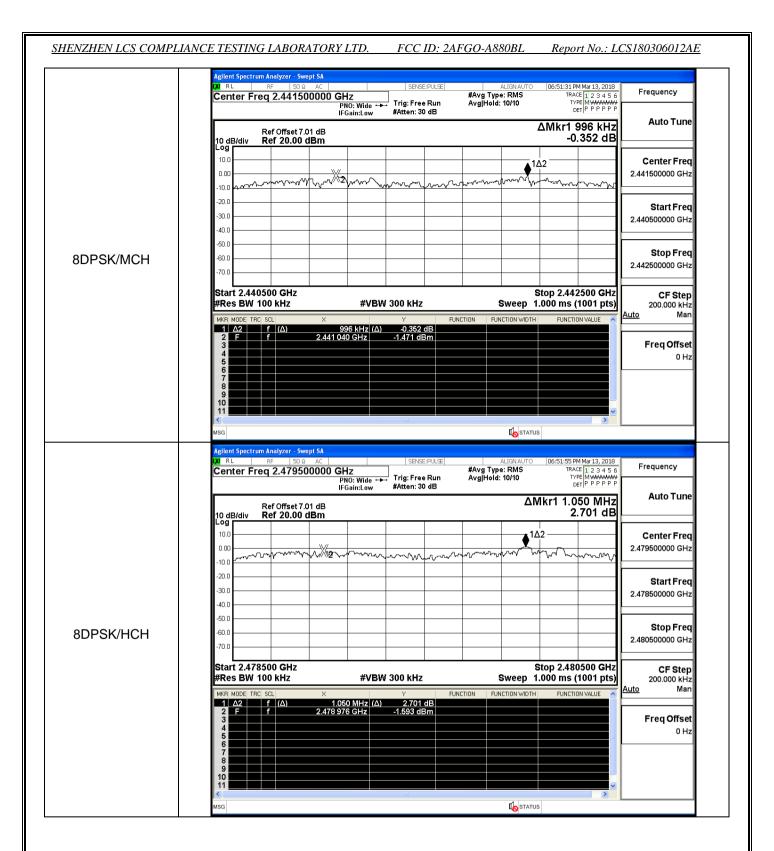
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.158	0.784	PASS
GFSK	MCH	1.106	1.031	PASS
	HCH	1.046	0.935	PASS
	LCH	0.976	0.839	PASS
π/4DQPSK	MCH	0.880	0.820	PASS
	HCH	0.850	0.822	PASS
	LCH	0.940	0.850	PASS
8DPSK	MCH	0.996	0.841	PASS
	HCH	1.050	0.843	PASS











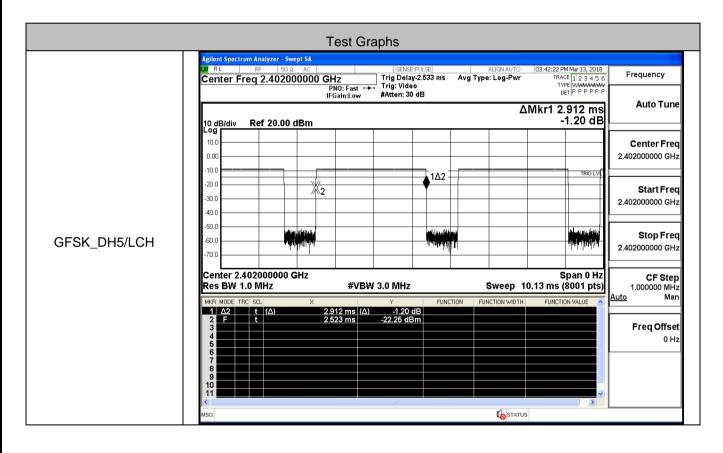
A.4 Hopping Channel Number

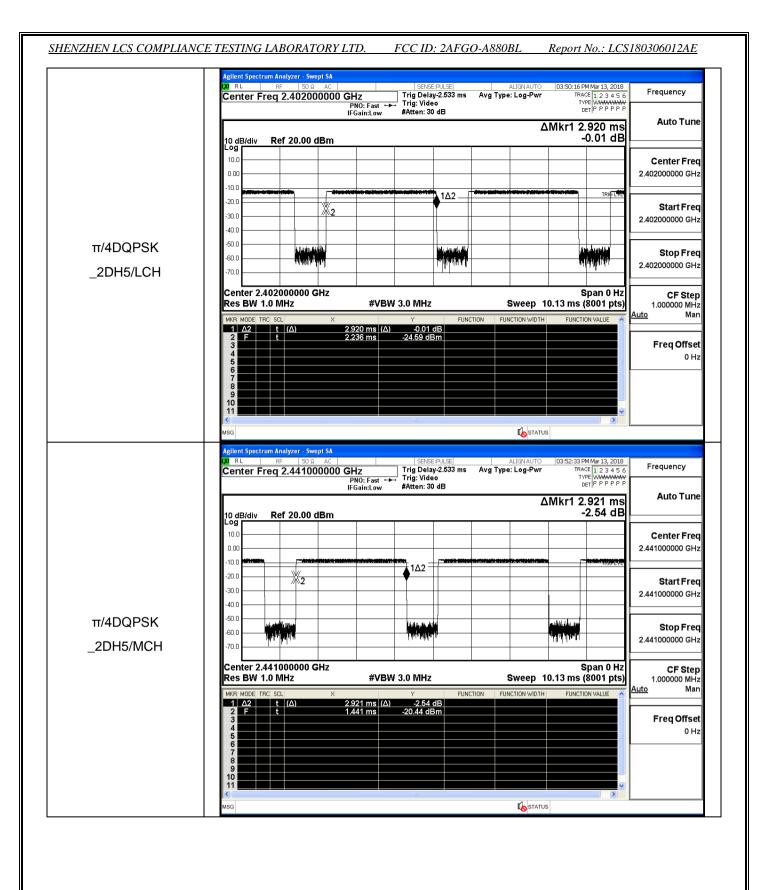
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

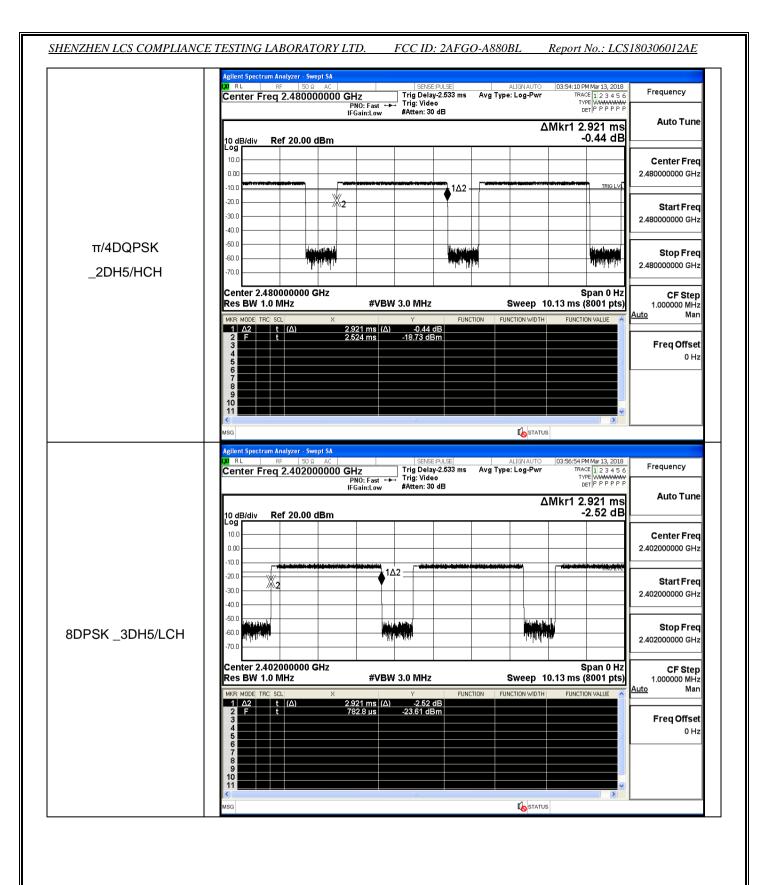
STATUS

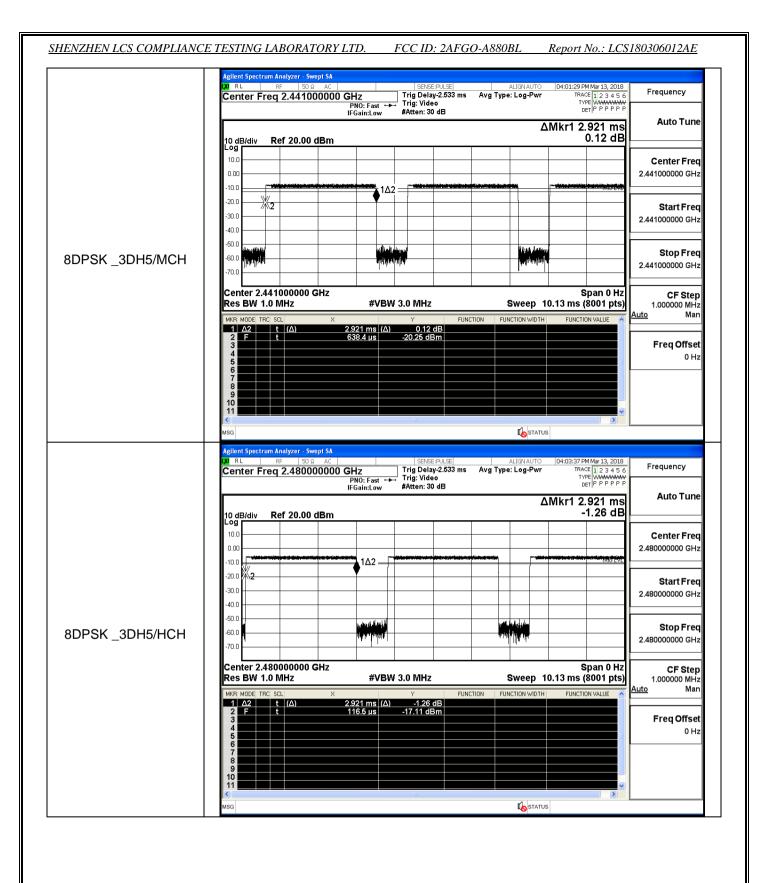
A.5 Dwell Time

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.91	106.7	0.31	0.4	PASS
GFSK	DH5	MCH	2.91	106.7	0.31	0.4	PASS
	DH5	HCH	1.28	106.7	0.137	0.4	PASS
	2DH5	LCH	2.91	106.7	0.312	0.4	PASS
π/4DQPSK	2DH5	MCH	2.91	106.7	0.312	0.4	PASS
	2DH5	HCH	1.28	106.7	0.312	0.4	PASS
	3DH5	LCH	2.91	106.7	0.312	0.4	PASS
8DPSK	3DH5	MCH	2.91	106.7	0.312	0.4	PASS
	3DH5	HCH	1.28	106.7	0.312	0.4	PASS



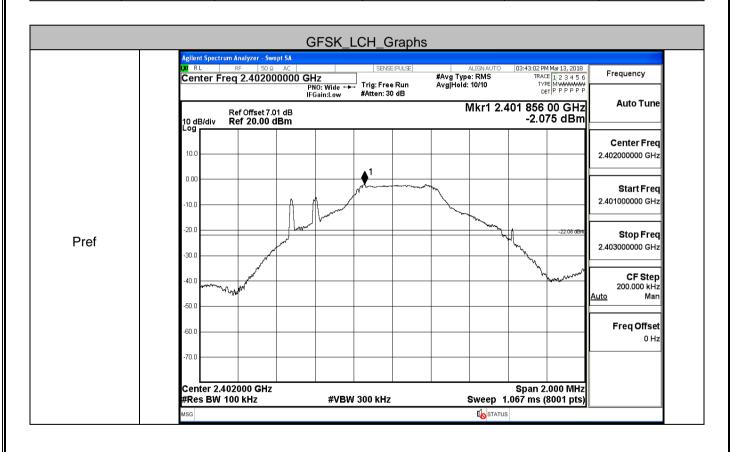






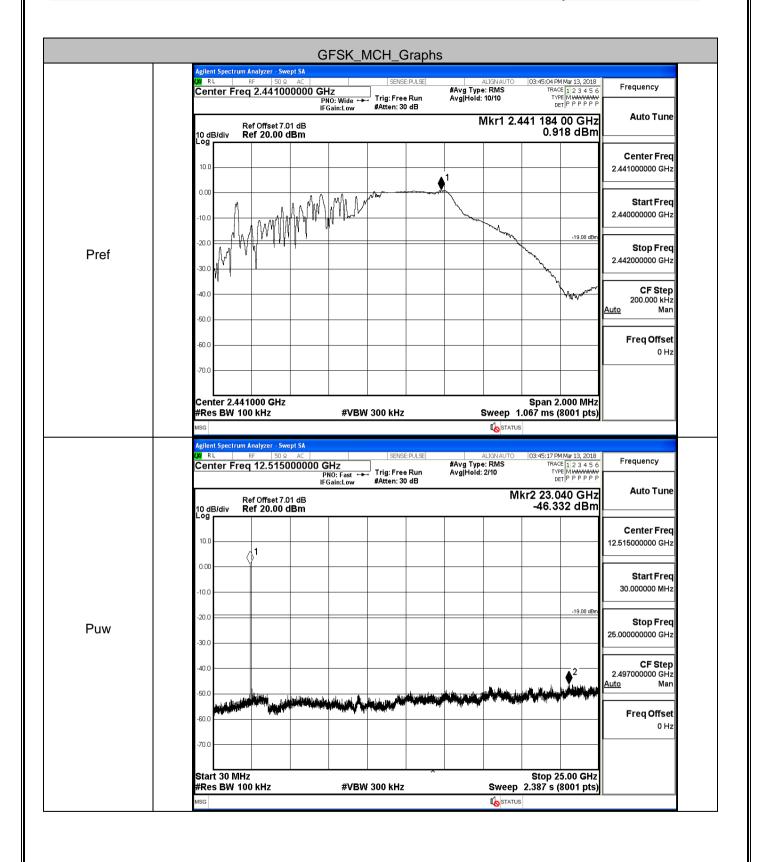
A.6 RF Conducted Spurious Emissions

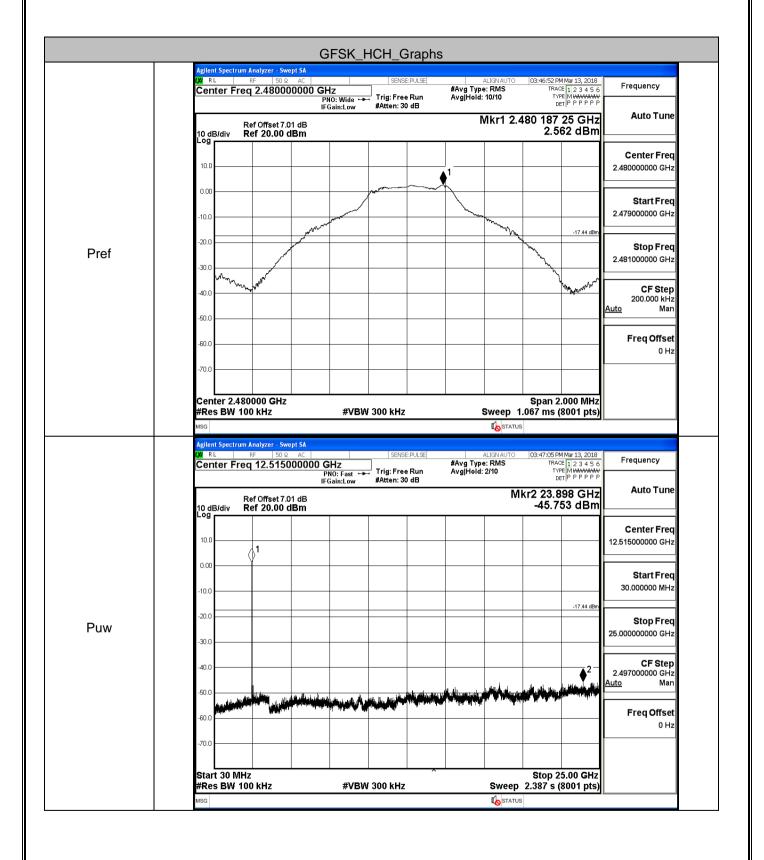
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-2.075	-46.377	-22.075	PASS
GFSK	MCH	0.918	-46.332	-19.082	PASS
	НСН	2.562	-45.753	-17.438	PASS
	LCH	-5.267	-44.975	-25.267	PASS
π/4DQPSK	MCH	-0.892	-45.257	-20.892	PASS
	НСН	1.189	-44.934	-18.811	PASS
	LCH	-5.102	-45.873	-25.102	PASS
8DPSK	MCH	-0.798	-39.377	-20.798	PASS
	НСН	1.171	-45.828	-18.829	PASS

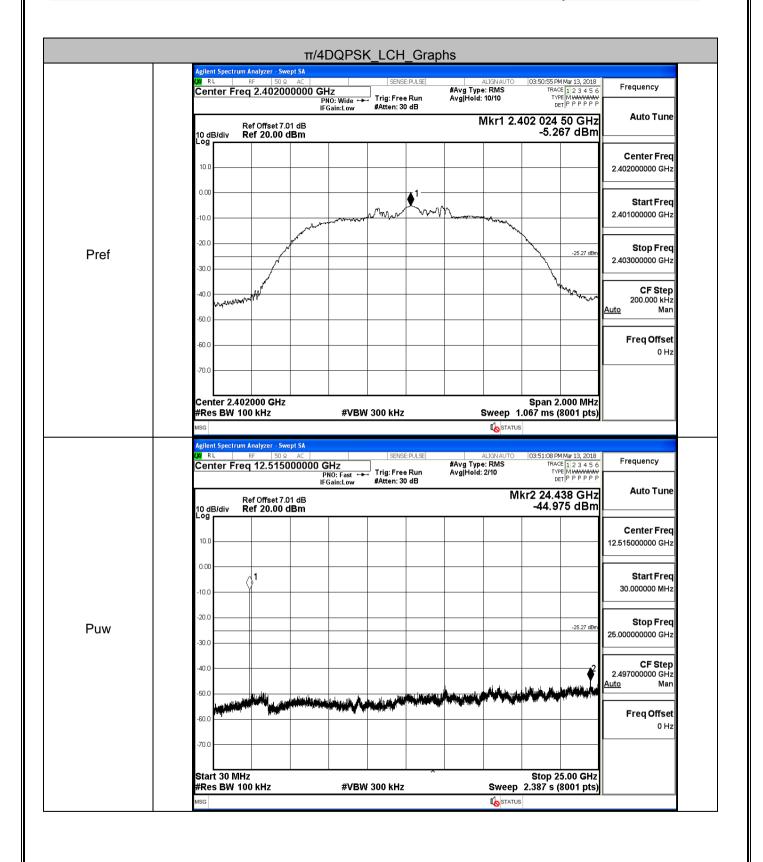


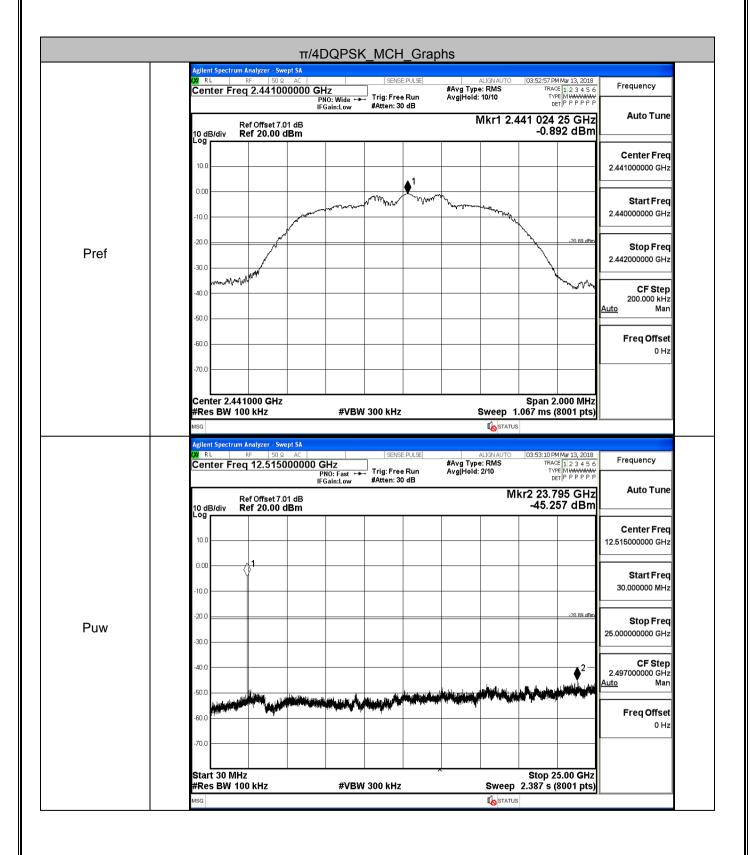
#VBW 300 kHz

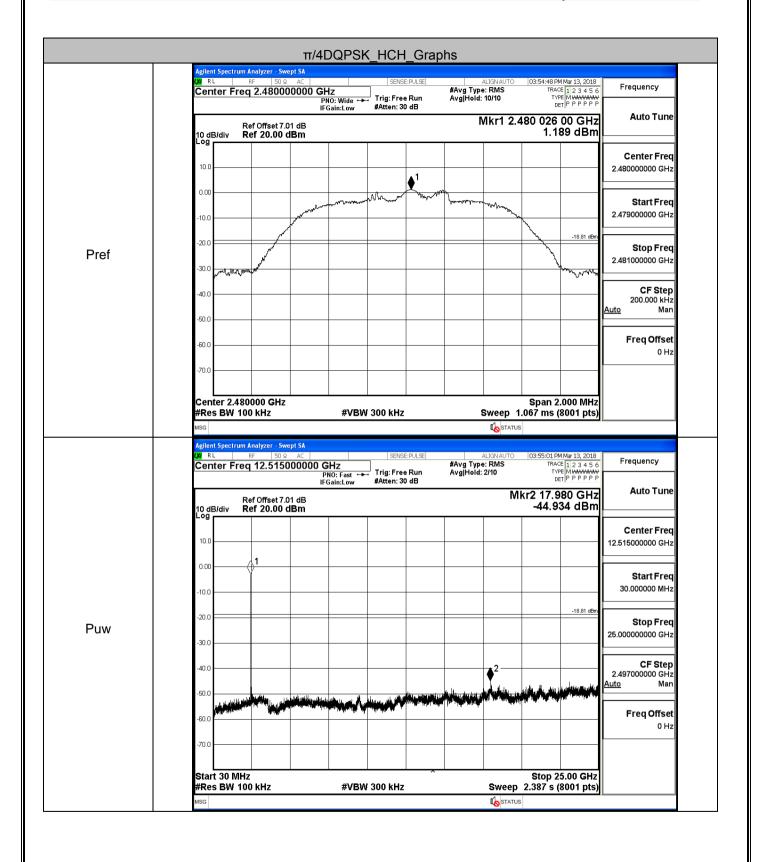
STATUS

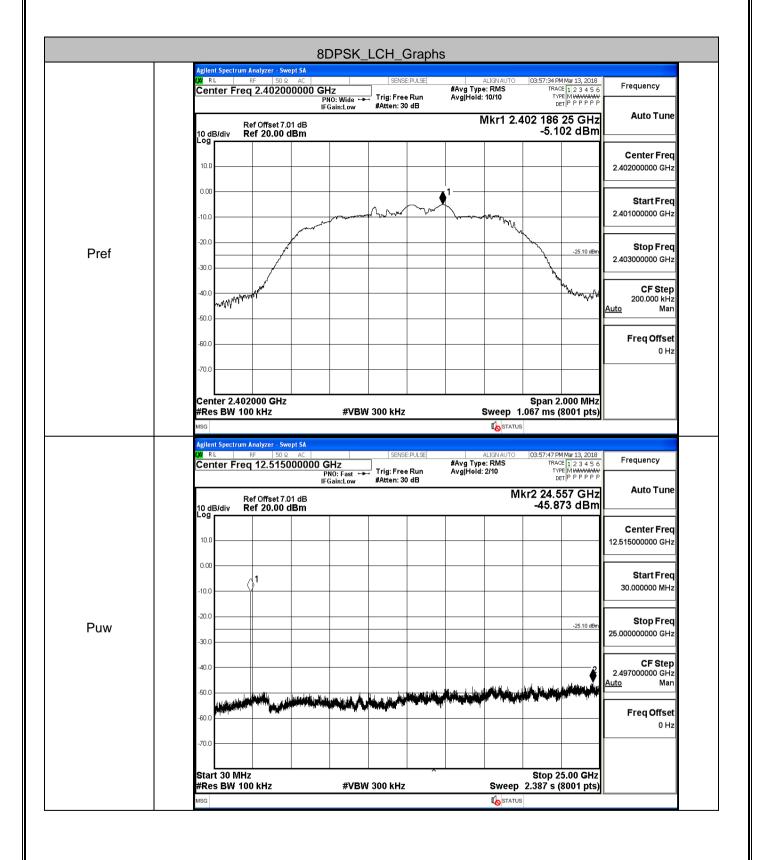


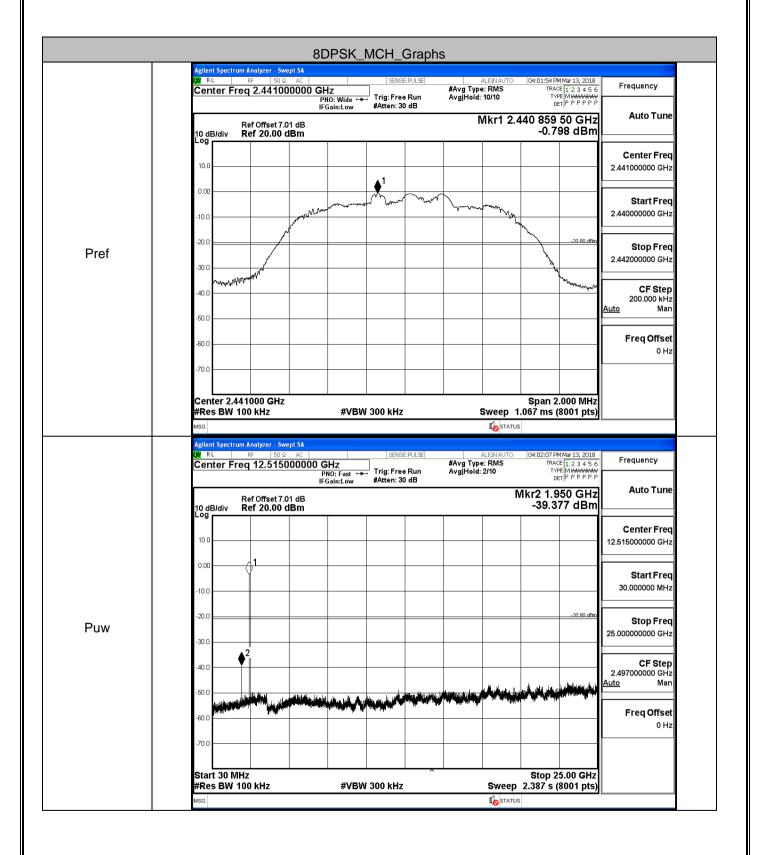


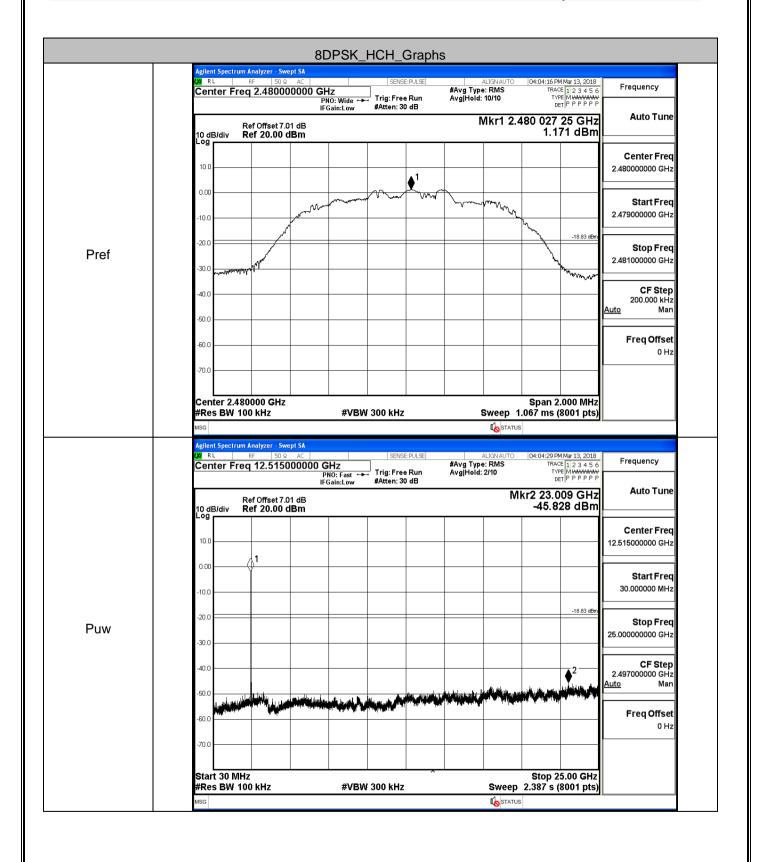






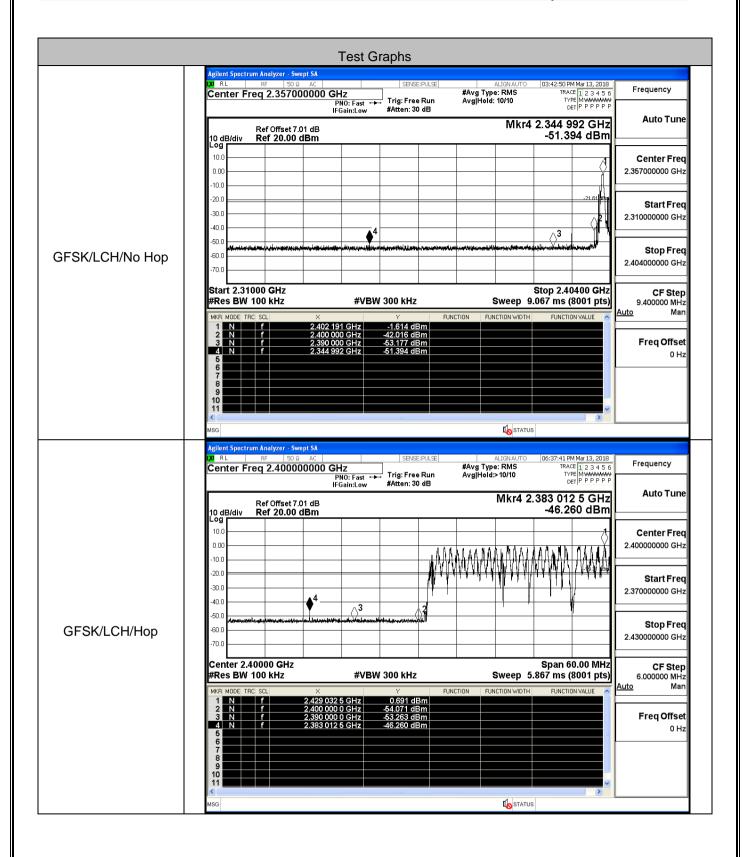


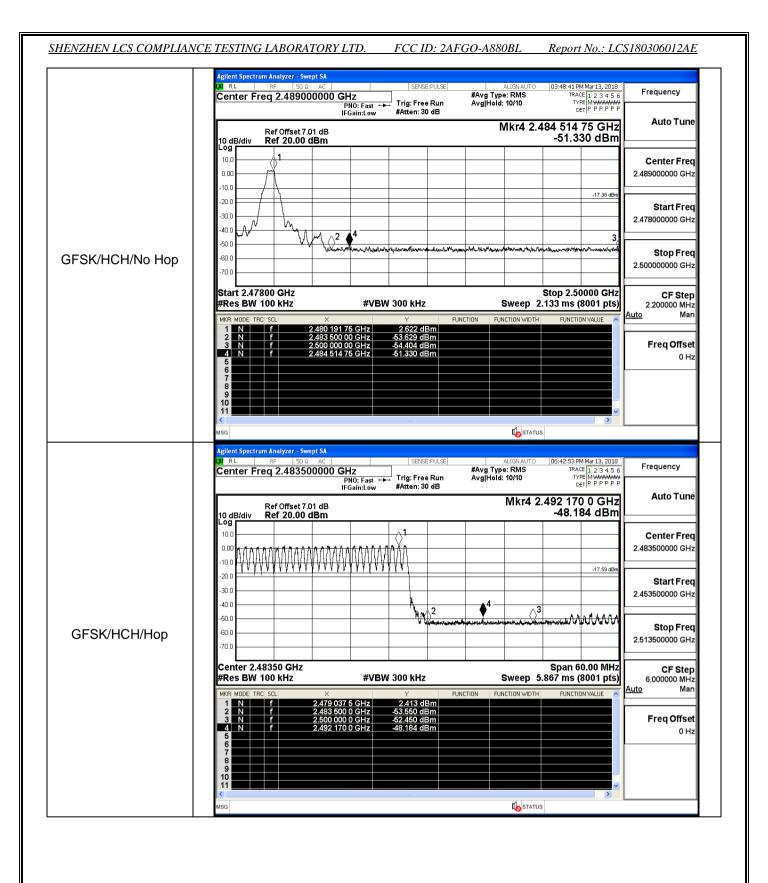


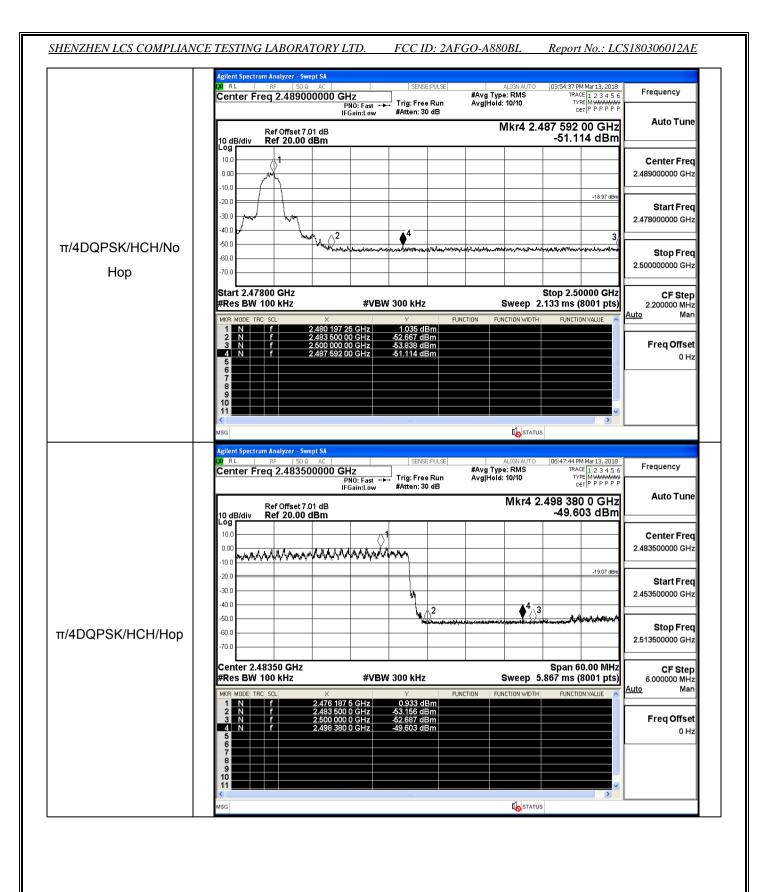


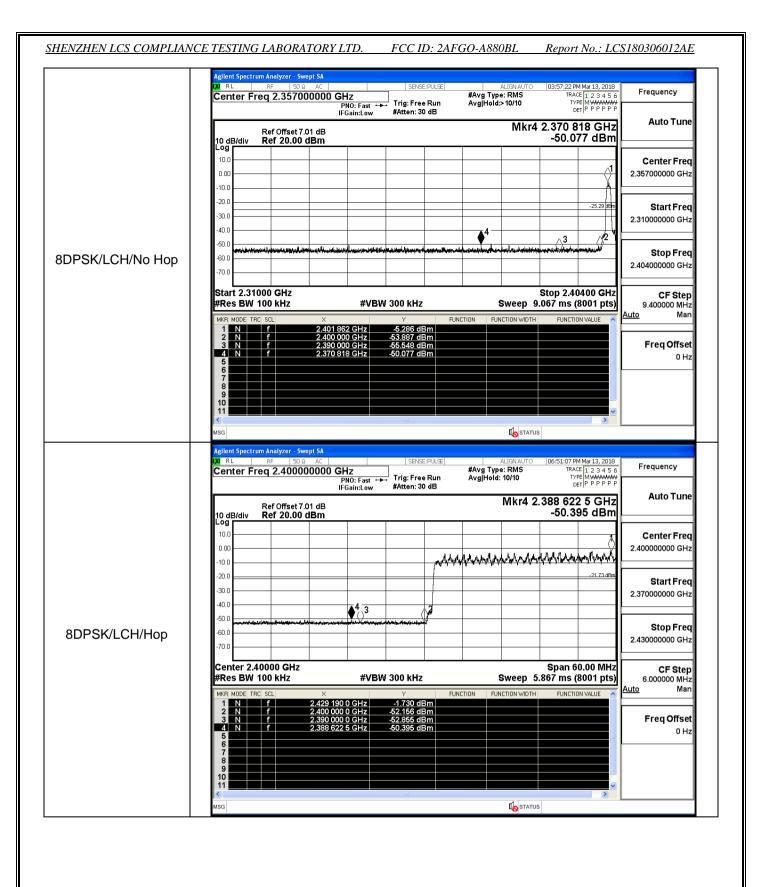
A.7 Band-edge for RF Conducted Emissions

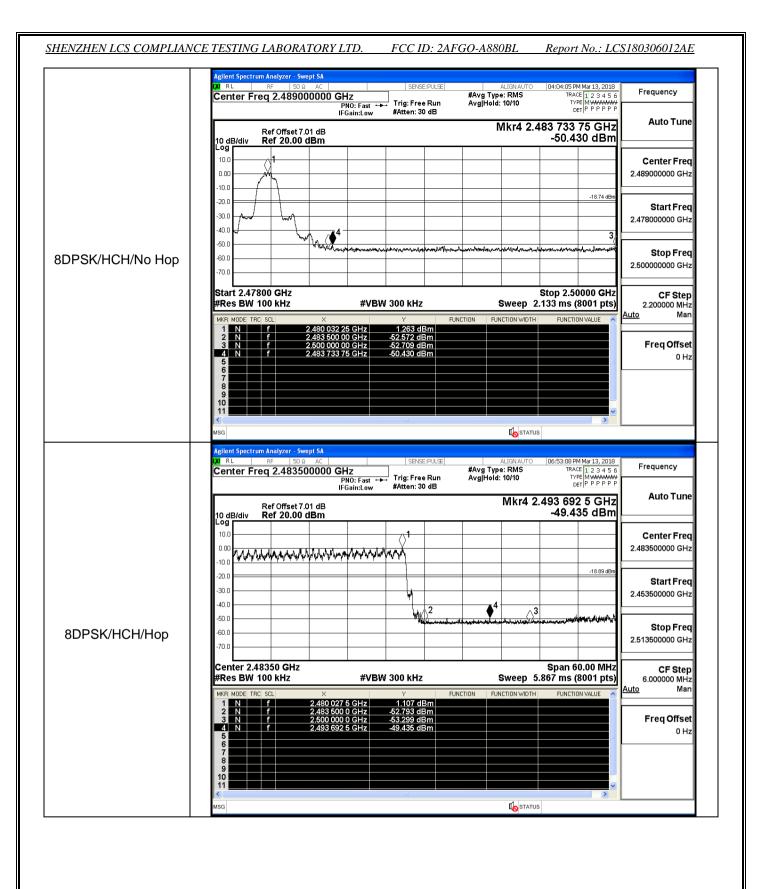
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-1.614	Off	-51.394	-21.61	PASS
0.501/	LCH	2402	0.691	On	-46.260	-19.31	PASS
GFSK		2480	2.622	Off	-51.330	-17.38	PASS
	HCH		2.413	On	-48.184	-17.59	PASS
	LCH	2402	-5.225	Off	-50.879	-25.23	PASS
			-2.065	On	-50.685	-22.07	PASS
π/4DQPSK	нсн	:H 2480	1.035	Off	-51.114	-18.97	PASS
			0.933	On	-49.603	-19.07	PASS
			-5.286	Off	-50.077	-25.29	PASS
	LCH	2402	-1.730	On	-50.395	-21.73	PASS
8DPSK			1.263	Off	-50.430	-18.74	PASS
	HCH	2480	1.107	On	-49.435	-18.89	PASS







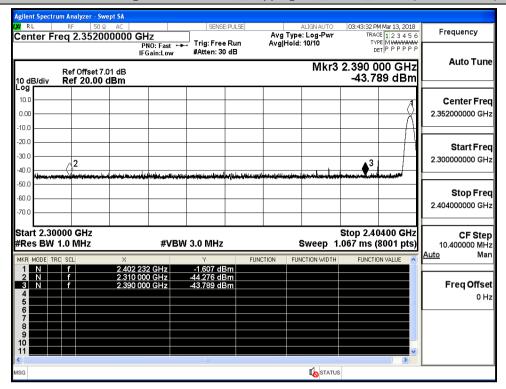




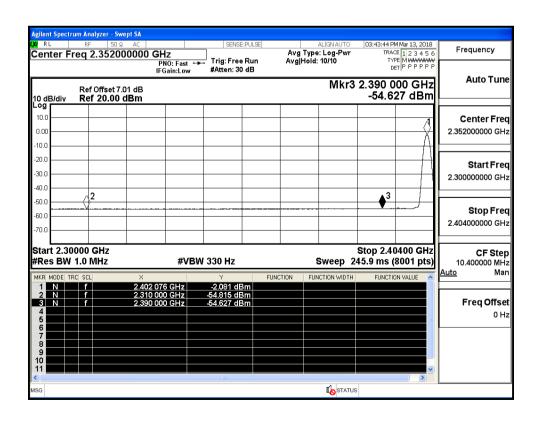
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.28	2.0	0	50.98	PEAK	74	PASS
	Off	2310.0	-54.82	2.0	0	40.44	AV	54	PASS
	Off	2390.0	-43.79	2.0	0	51.47	PEAK	74	PASS
	Off	2390.0	-54.63	2.0	0	40.63	AV	54	PASS
GFSK	Off	2483.5	-41.70	2.0	0	53.56	PEAK	74	PASS
	Off	2483.5	-51.24	2.0	0	44.02	AV	54	PASS
	Off	2500.0	-44.37	2.0	0	50.89	PEAK	74	PASS
	Off	2500.0	-54.20	2.0	0	41.06	AV	54	PASS
	Off	2310.0	-44.68	2.0	0	50.58	PEAK	74	PASS
	Off	2310.0	-54.94	2.0	0	40.31	AV	54	PASS
	Off	2390.0	-44.81	2.0	0	50.45	PEAK	74	PASS
	Off	2390.0	-54.62	2.0	0	40.64	AV	54	PASS
π/4DQPSK	Off	2483.5	-41.83	2.0	0	53.43	PEAK	74	PASS
	Off	2483.5	-52.76	2.0	0	42.50	AV	54	PASS
	Off	2500.0	-43.46	2.0	0	51.80	PEAK	74	PASS
	Off	2500.0	-54.10	2.0	0	41.16	AV	54	PASS
	Off	2310.0	-44.28	2.0	0	50.98	PEAK	74	PASS
	Off	2310.0	-54.88	2.0	0	40.38	AV	54	PASS
	Off	2390.0	-44.13	2.0	0	51.12	PEAK	74	PASS
	Off	2390.0	-54.66	2.0	0	40.60	AV	54	PASS
8DPSK	Off	2483.5	-40.92	2.0	0	54.34	PEAK	74	PASS
	Off	2483.5	-52.84	2.0	0	42.42	AV	54	PASS
	Off	2500.0	-43.21	2.0	0	52.05	PEAK	74	PASS
	Off	2500.0	-54.23	2.0	0	41.03	AV	54	PASS

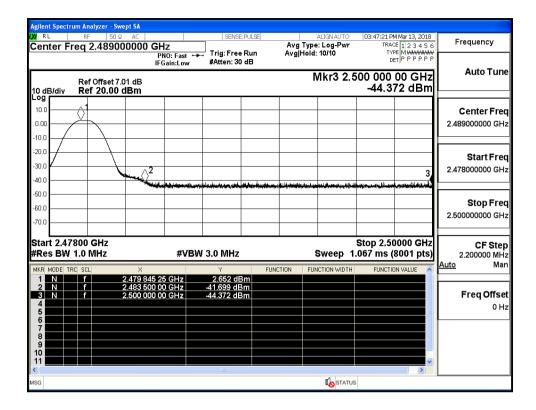
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



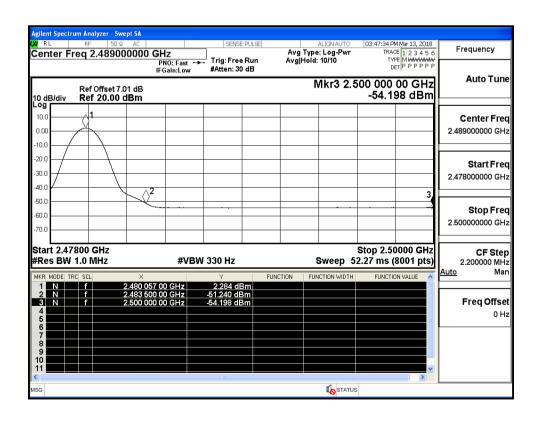
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



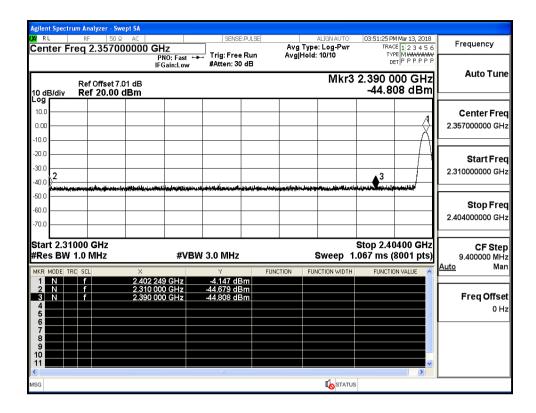
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



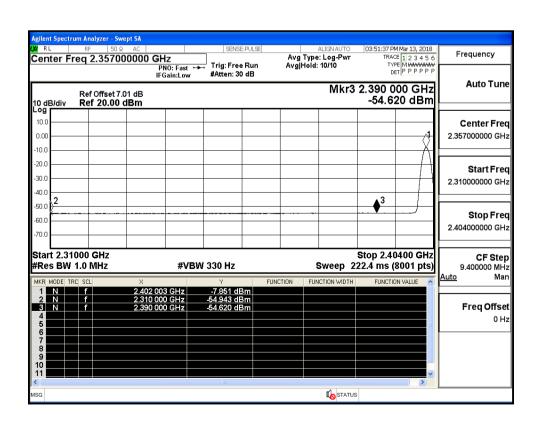
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



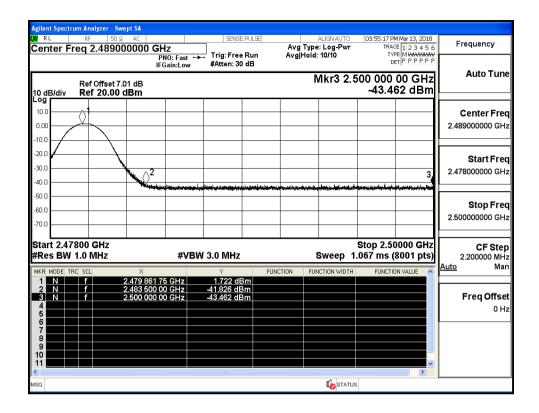
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



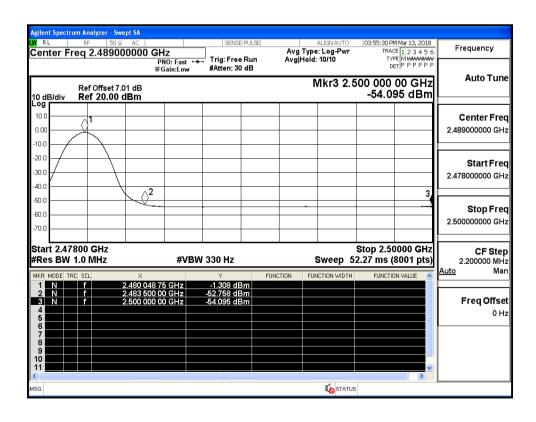
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



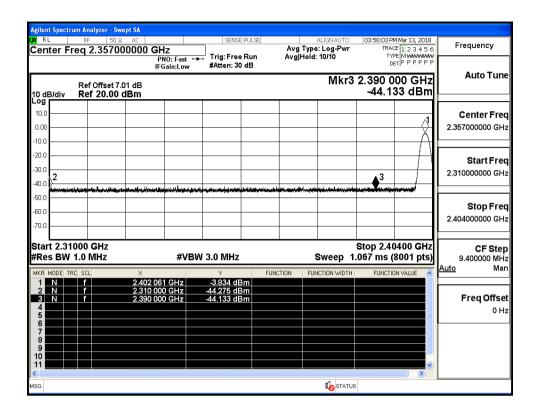
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



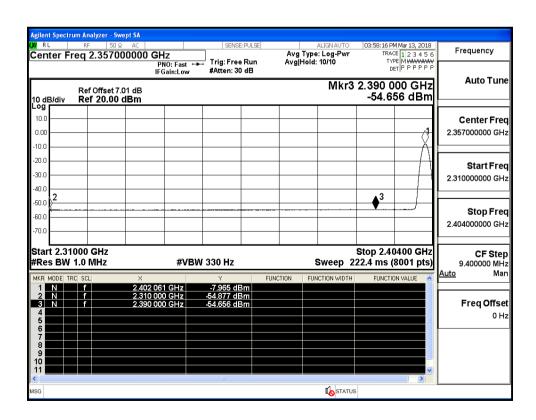
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



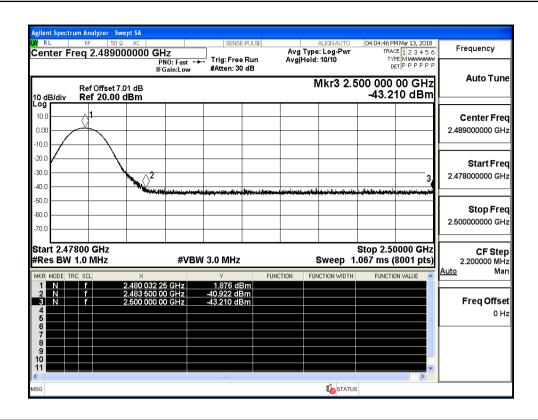
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

