Appendix A

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

Product Name: Wireless Flight Adapter

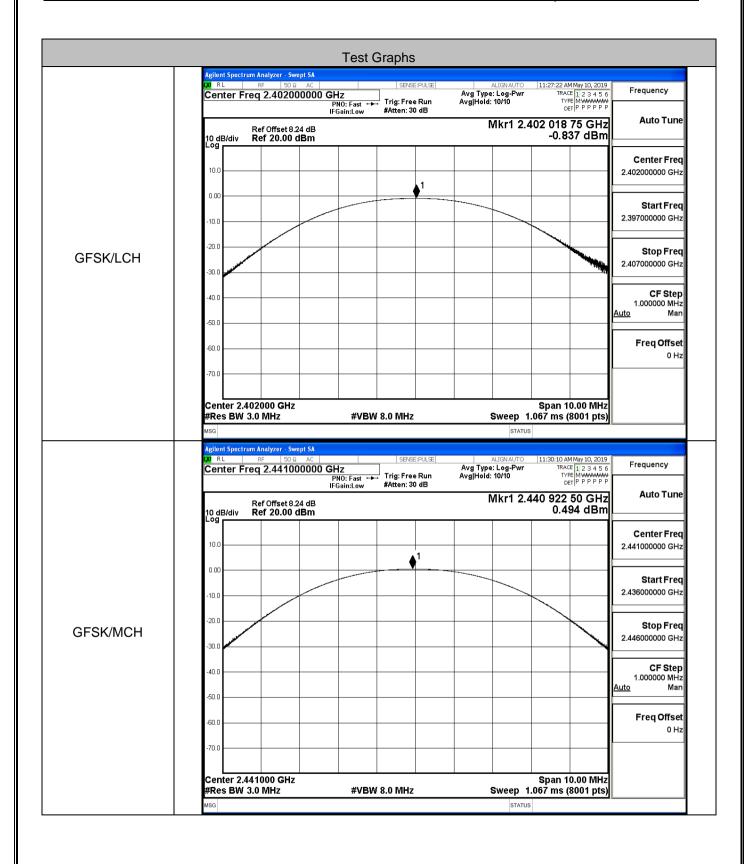
Trade Mark: RHA Test Model: Flight Adapter

Environmental Conditions

Temperature:	23.9 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.lu
Supervised by:	Tom.Liu

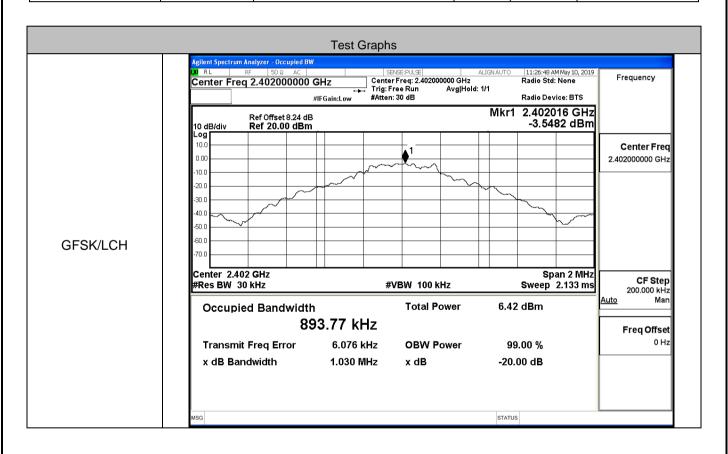
A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-0.837	21	PASS
GFSK	MCH	0.494	21	PASS
	НСН	-0.558	21	PASS
	LCH	-1.506	21	PASS
π/4DQPSK	MCH	-0.101	21	PASS
	НСН	-1.253	21	PASS
	LCH	-1.314	21	PASS
8DPSK	8DPSK MCH 0.06		21	PASS
	НСН	-1.257	21	PASS



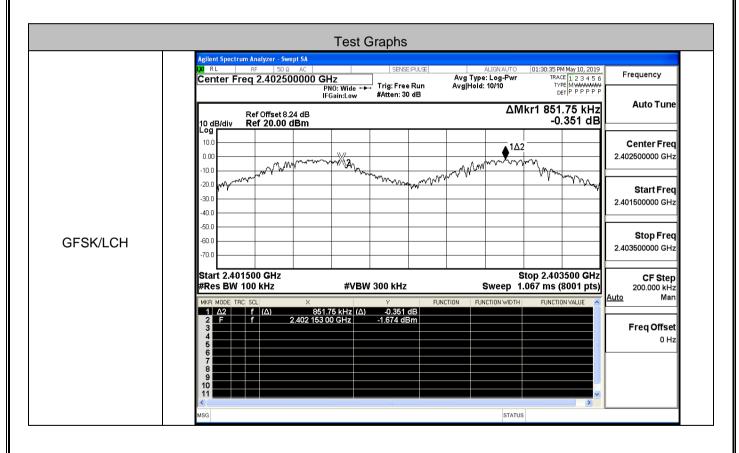
A.2 20dB Bandwidth

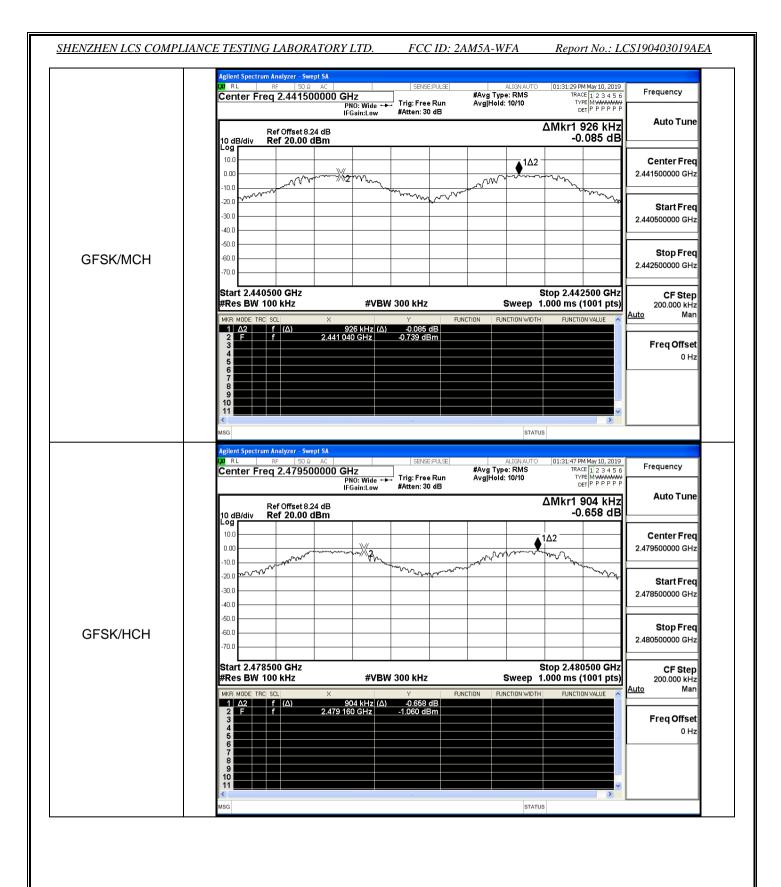
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.030	Not Specified	PASS
GFSK	MCH	1.028	Not Specified	PASS
	НСН	1.032	Not Specified	PASS
	LCH	1.292	Not Specified	PASS
π/4DQPSK	MCH	1.291	Not Specified	PASS
	НСН	1.310	Not Specified	PASS
8DPSK	LCH	1.299	Not Specified	PASS
	MCH	1.295	Not Specified	PASS
	HCH	1.306	Not Specified	PASS

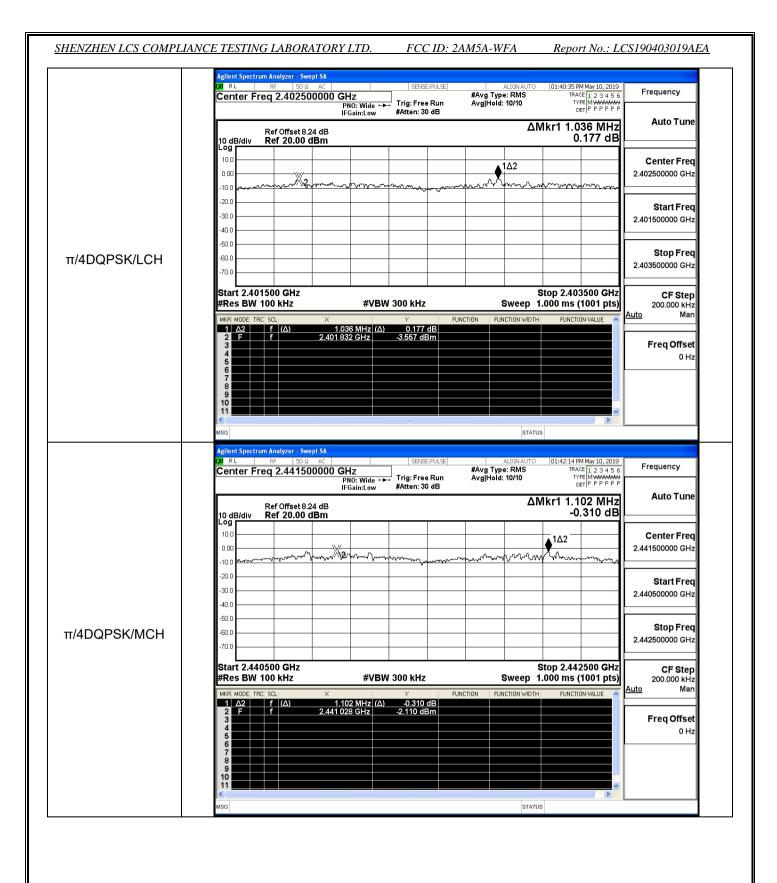


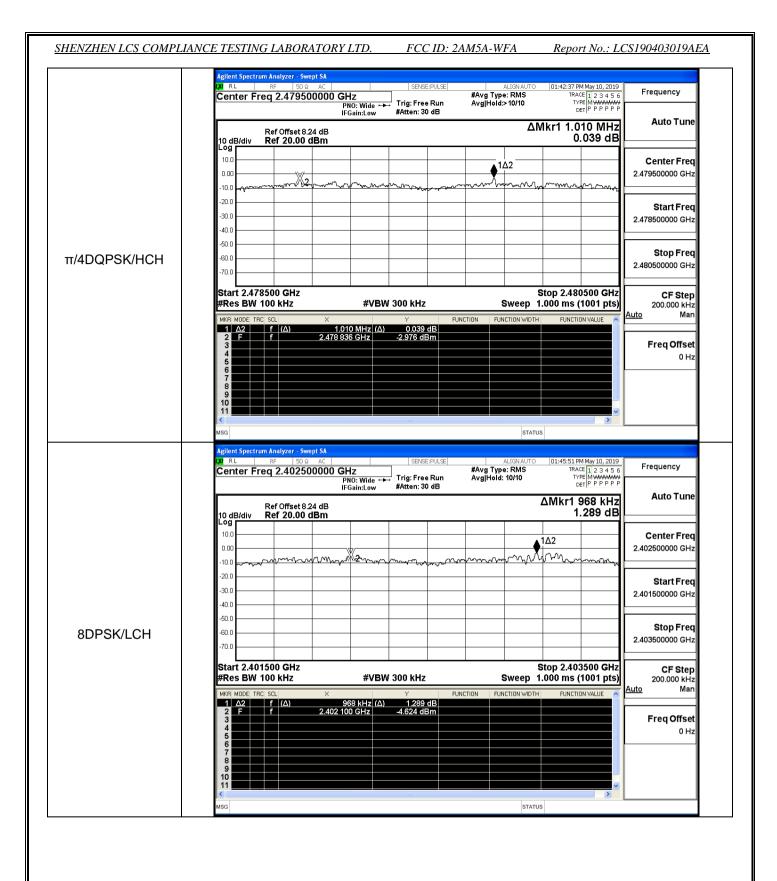
A.3 Carrier Frequency Separation

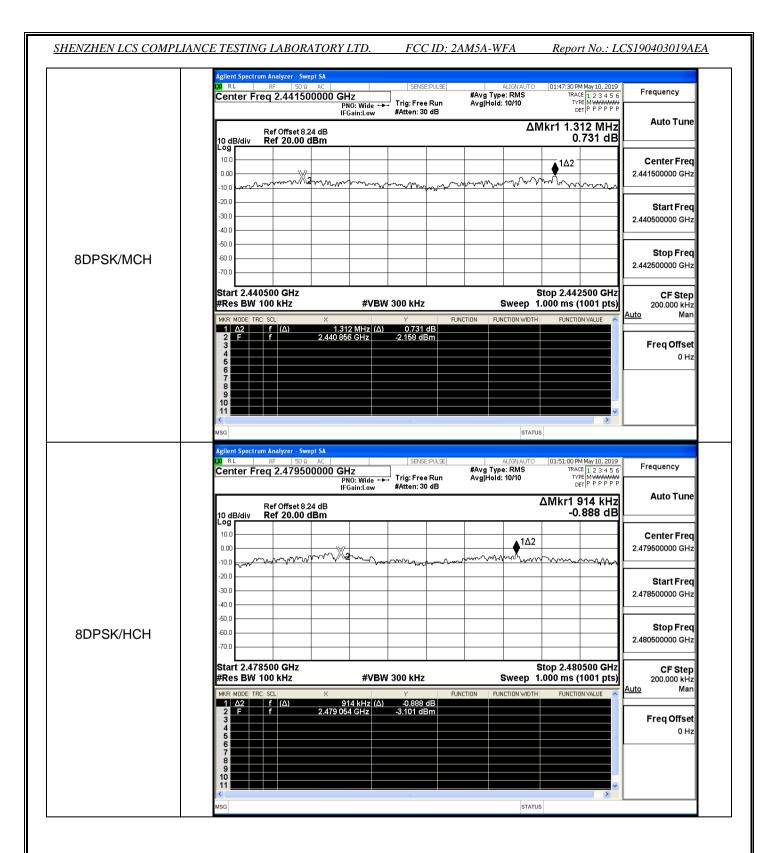
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.852	0.688	PASS
GFSK	MCH	0.926	0.688	PASS
	HCH	0.904	0.688	PASS
	LCH	1.036	0.873	PASS
π/4DQPSK	MCH	1.102	0.873	PASS
	HCH	1.010	0.873	PASS
8DPSK	LCH	0.968	0.871	PASS
	MCH	1.312	0.871	PASS
	HCH	0.914	0.871	PASS





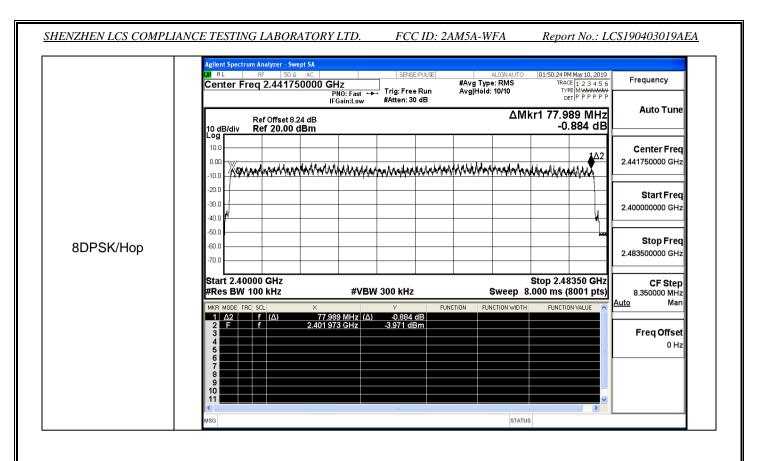






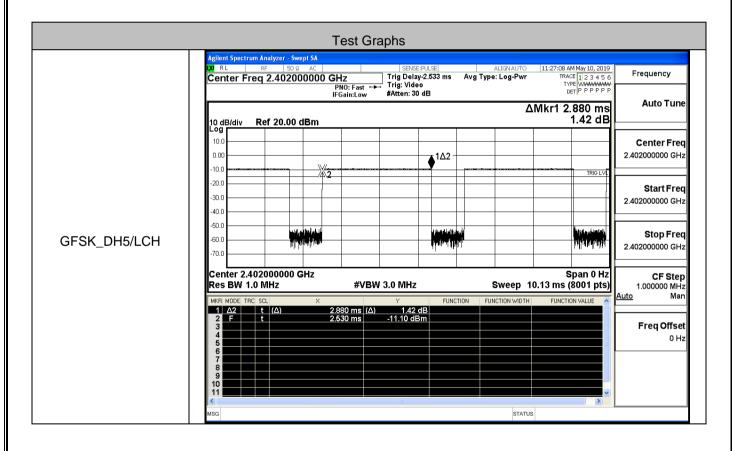
A.4 Hopping Channel Number

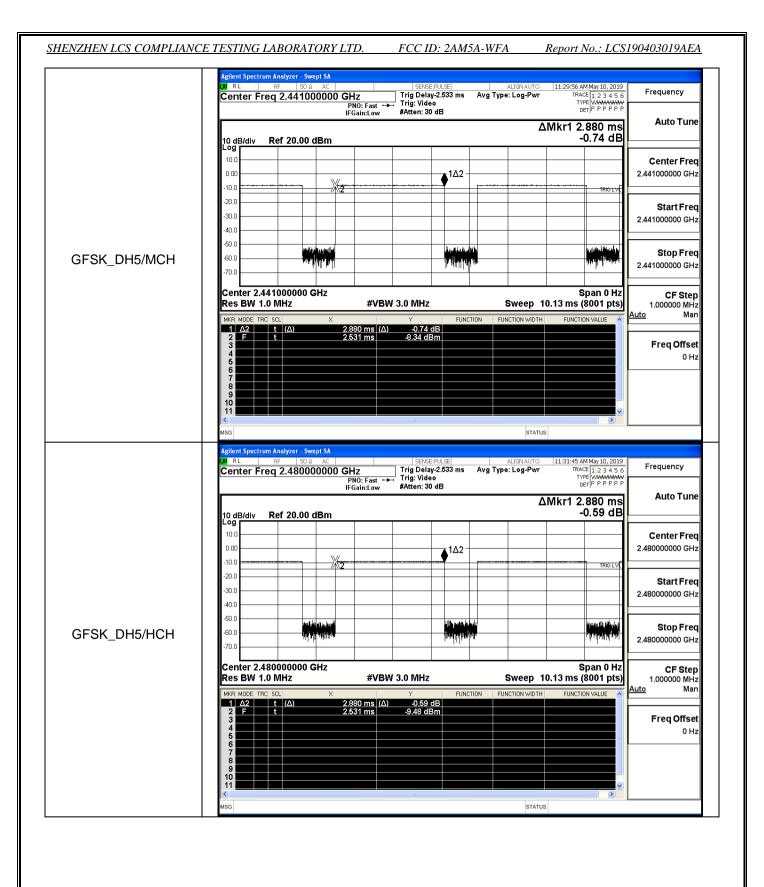
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

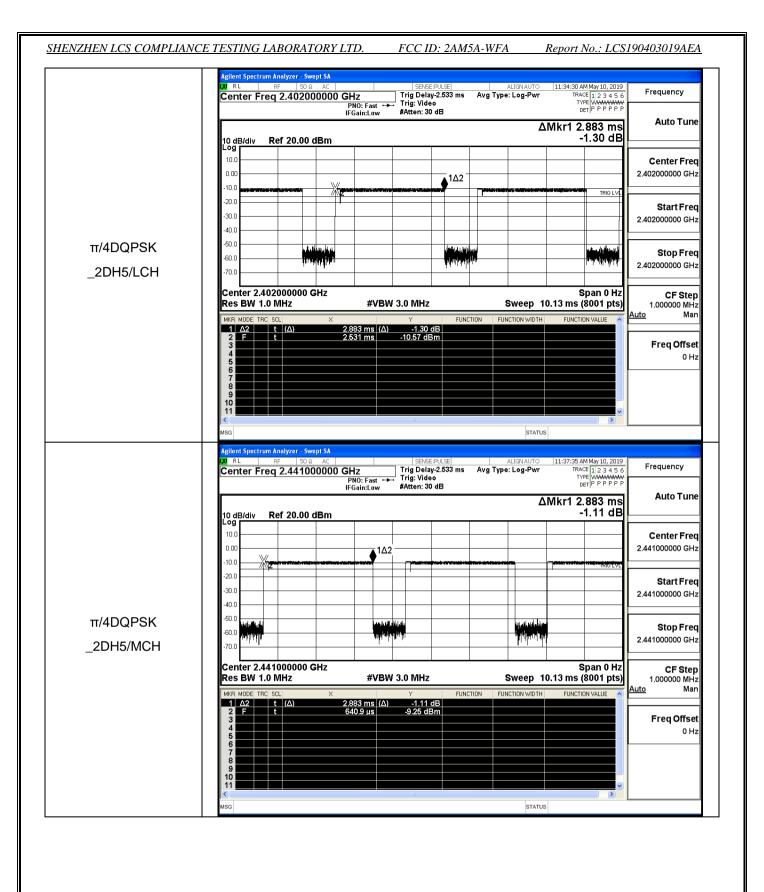


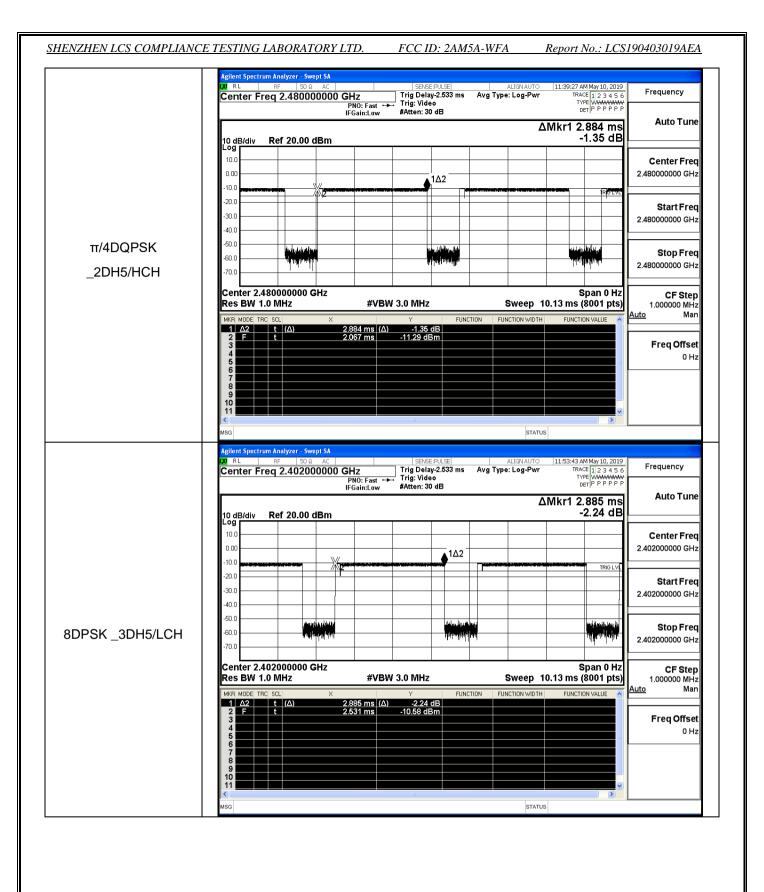
A.5 Dwell Time

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	НСН	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



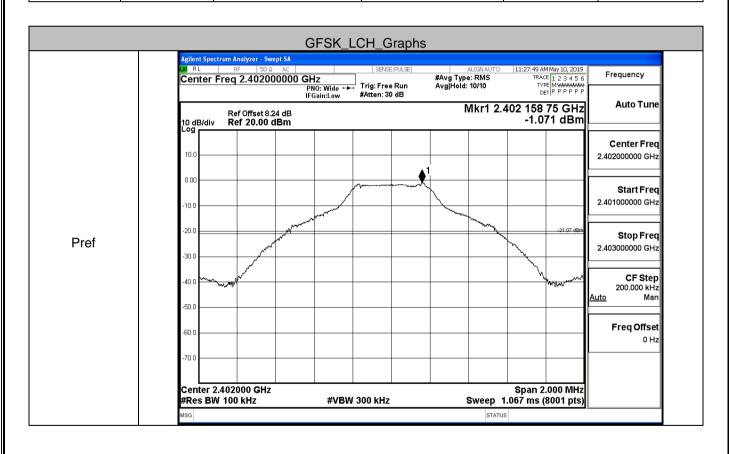


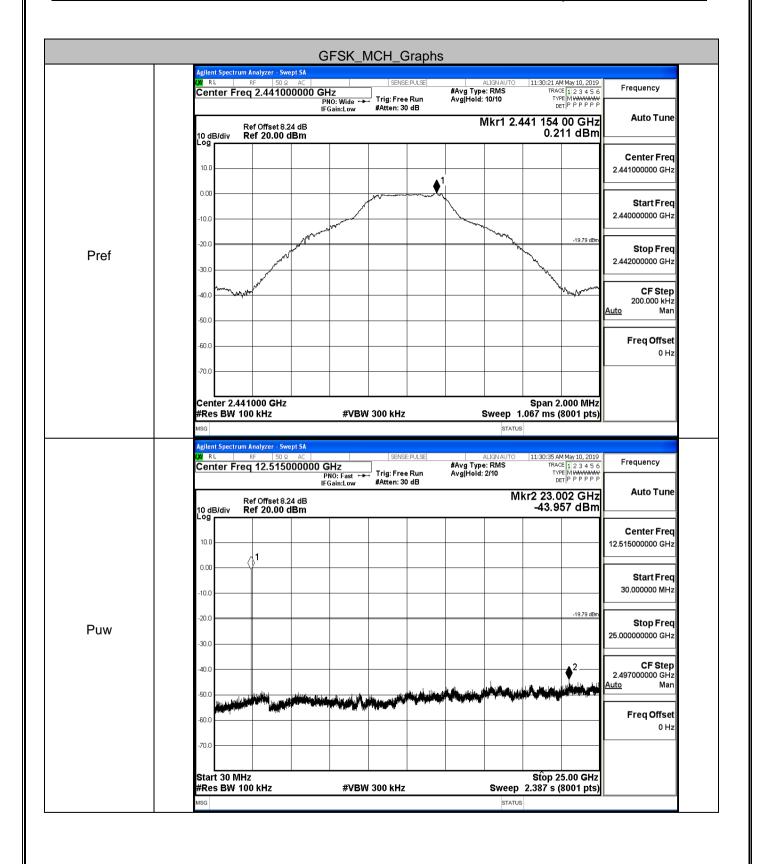


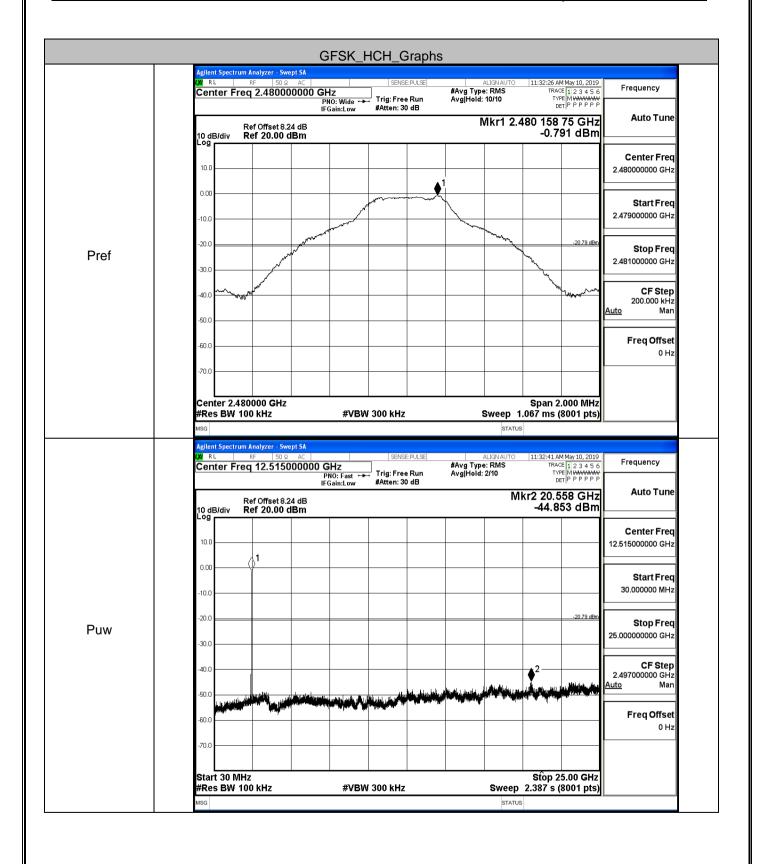


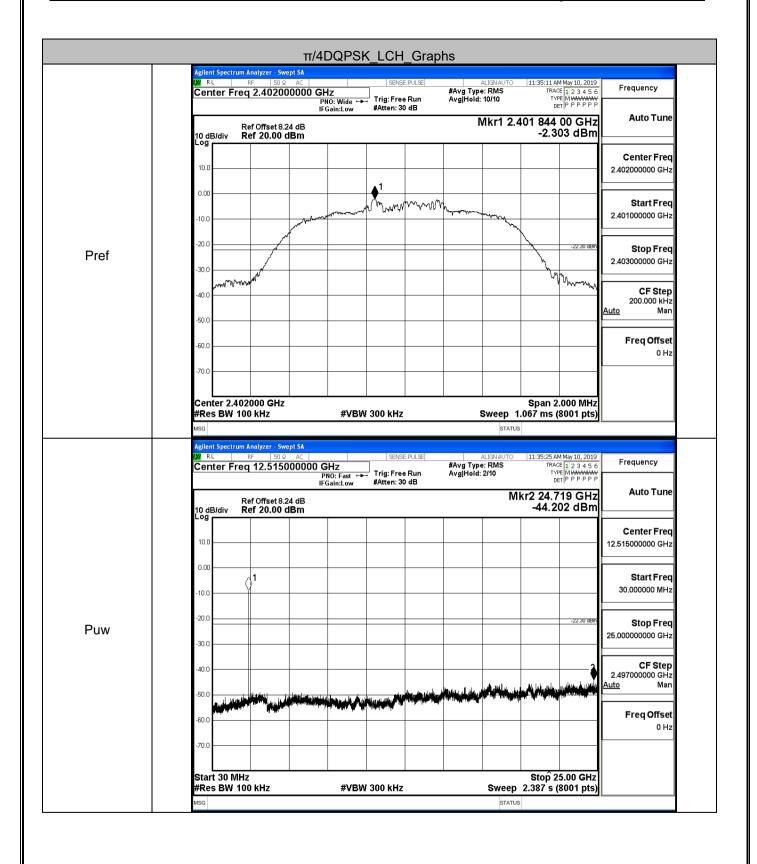
A.6 RF Conducted Spurious Emissions

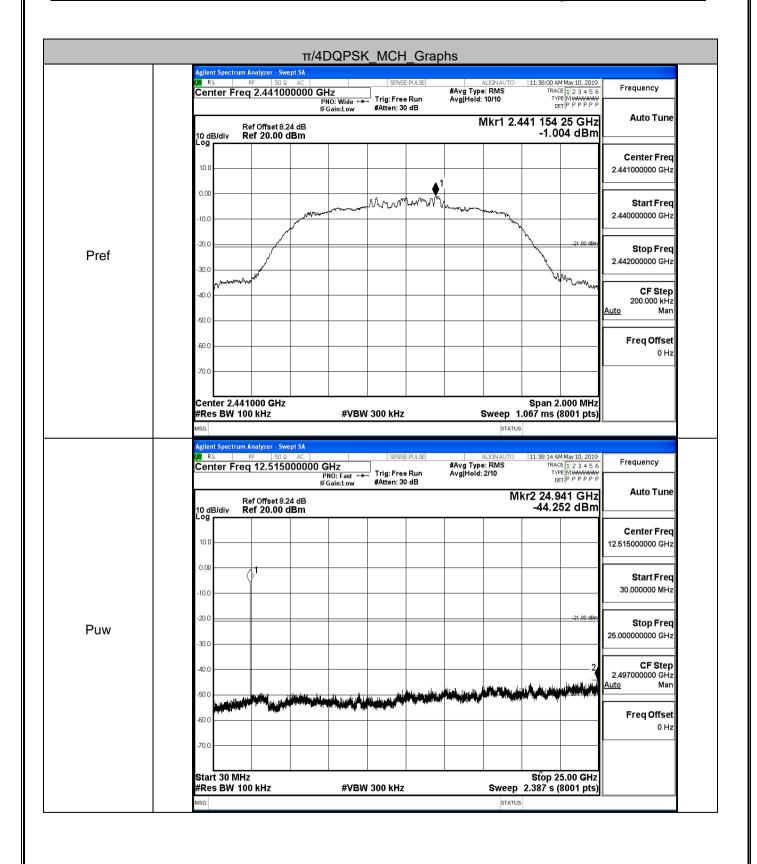
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.071	-44.864	-21.071	PASS
GFSK	MCH	0.211	-43.957	-19.789	PASS
	НСН	-0.791	-44.853	-20.791	PASS
	LCH	-2.303	-44.202	-22.303	PASS
π/4DQPSK	MCH	-1.004	-44.252	-21.004	PASS
	НСН	-2.13	-43.666	-22.130	PASS
	LCH	-2.212	-44.852	-22.212	PASS
8DPSK	MCH	-0.997	-43.843	-20.997	PASS
	НСН	-2.553	-43.901	-22.553	PASS

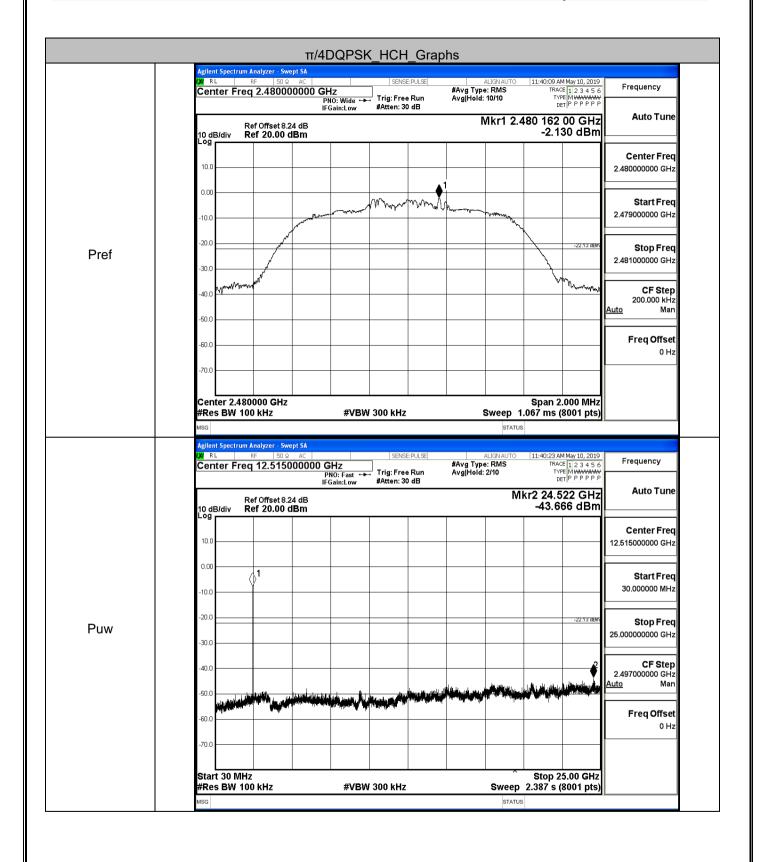


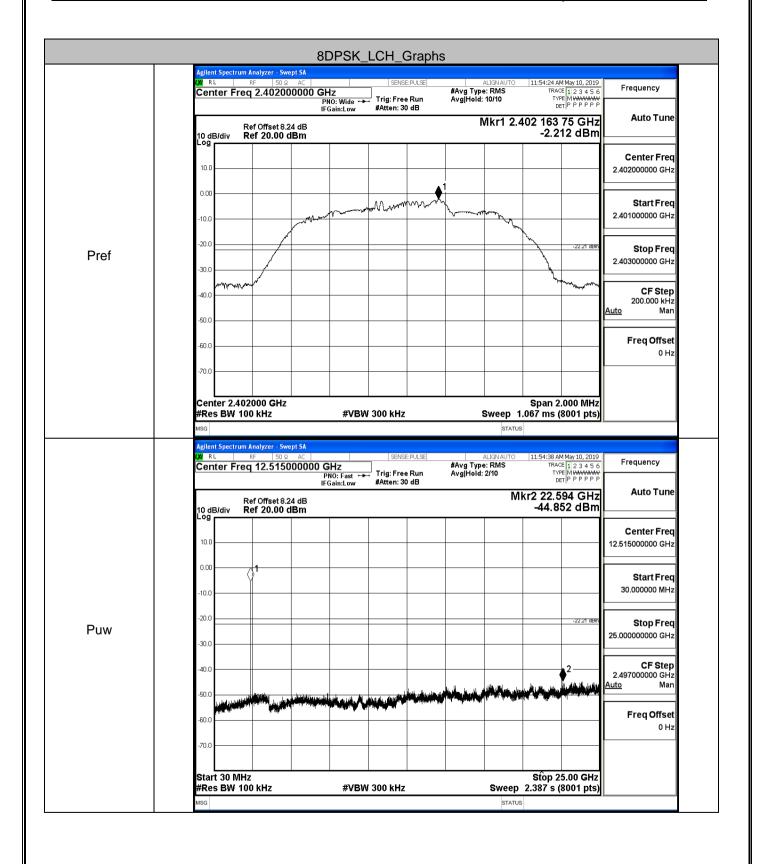


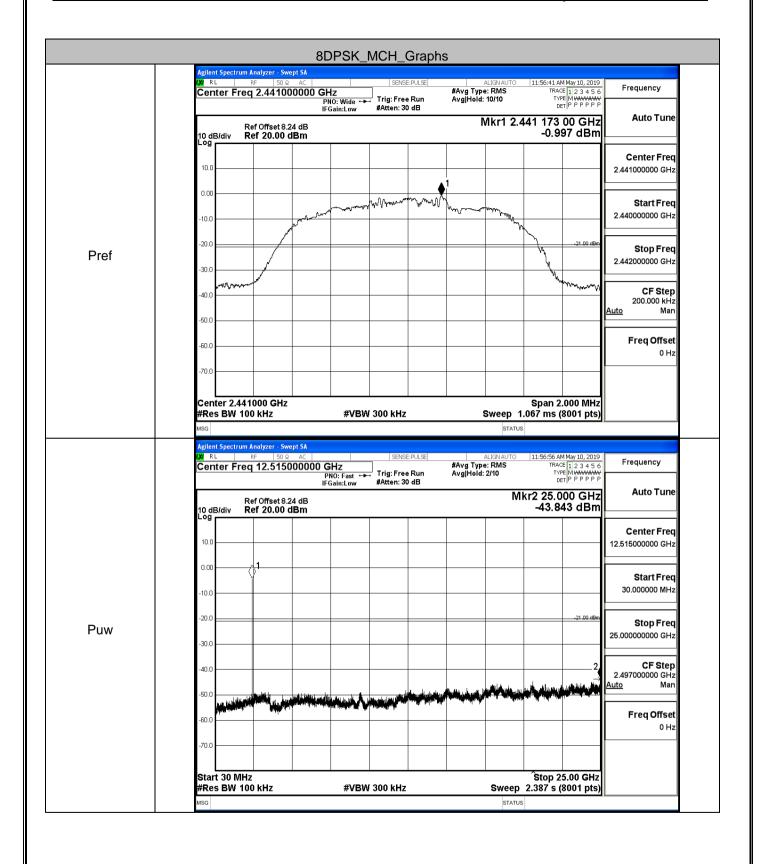


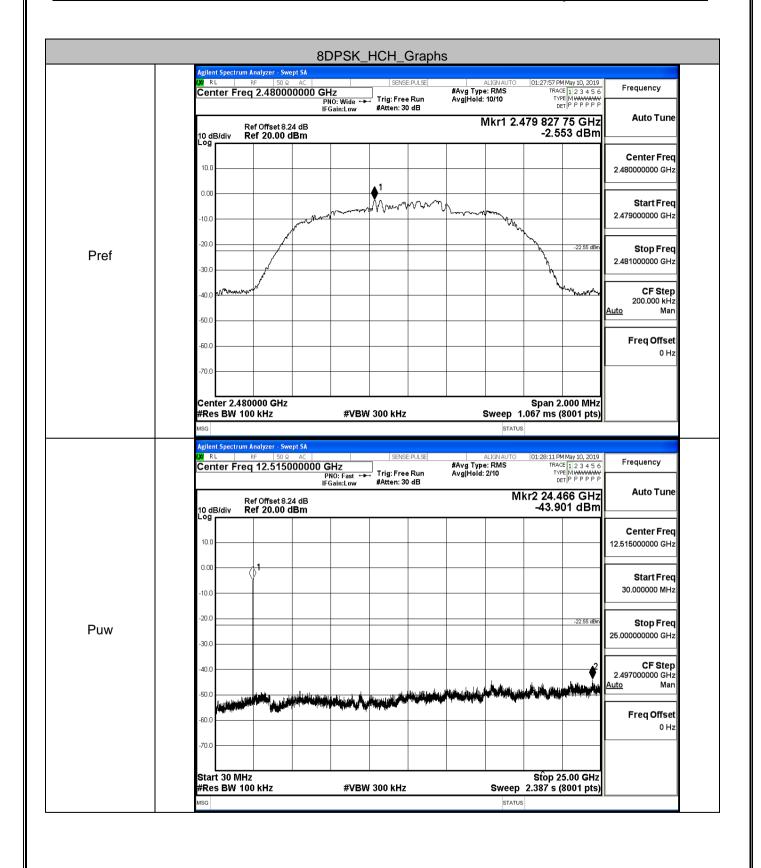






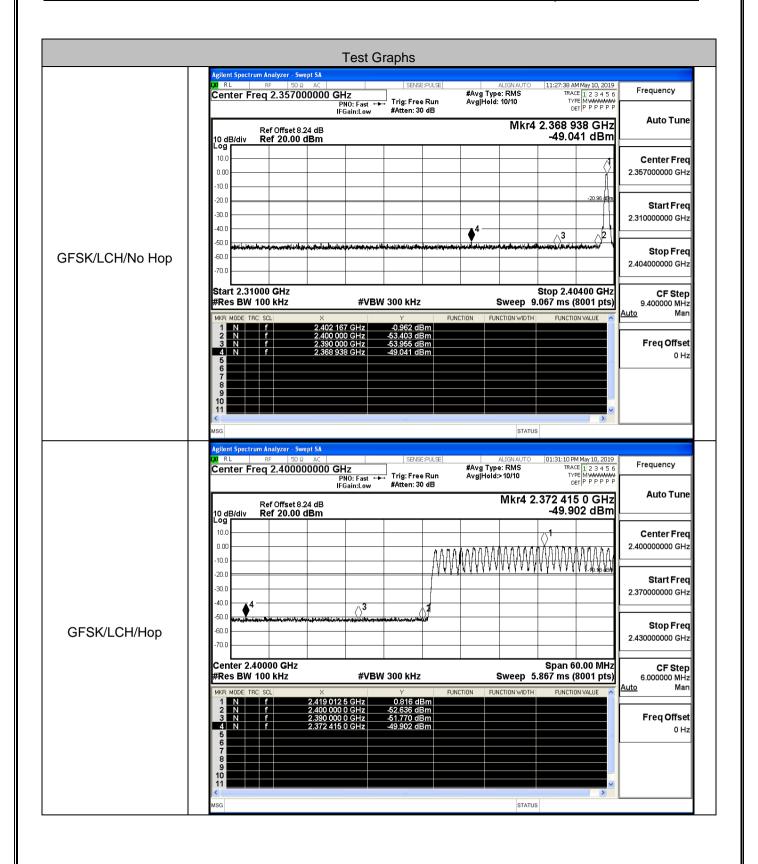


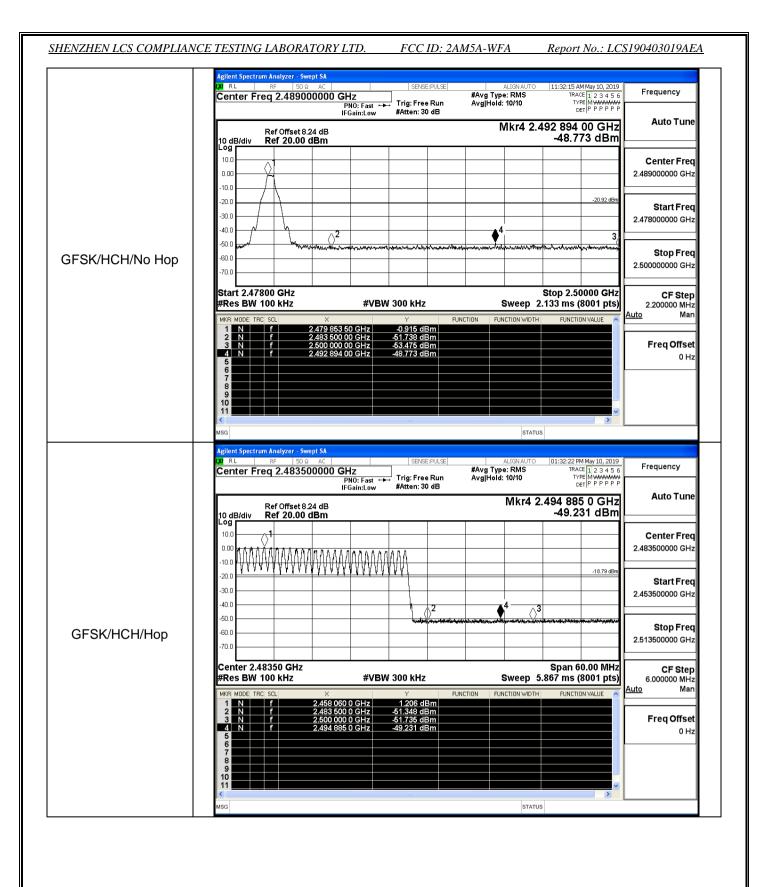


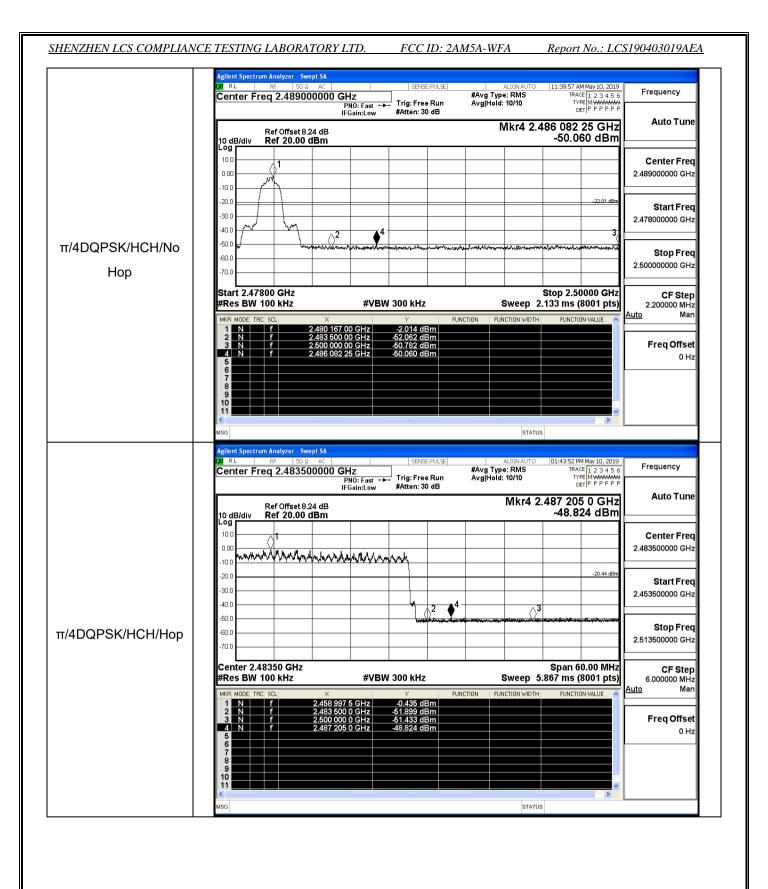


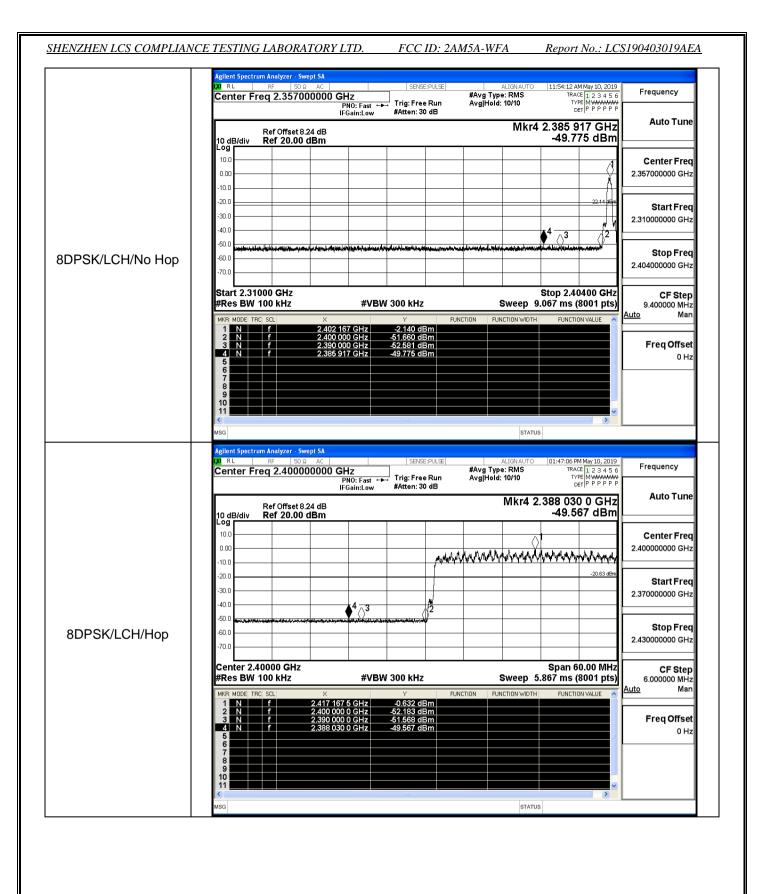
A.7 Band-edge for RF Conducted Emissions

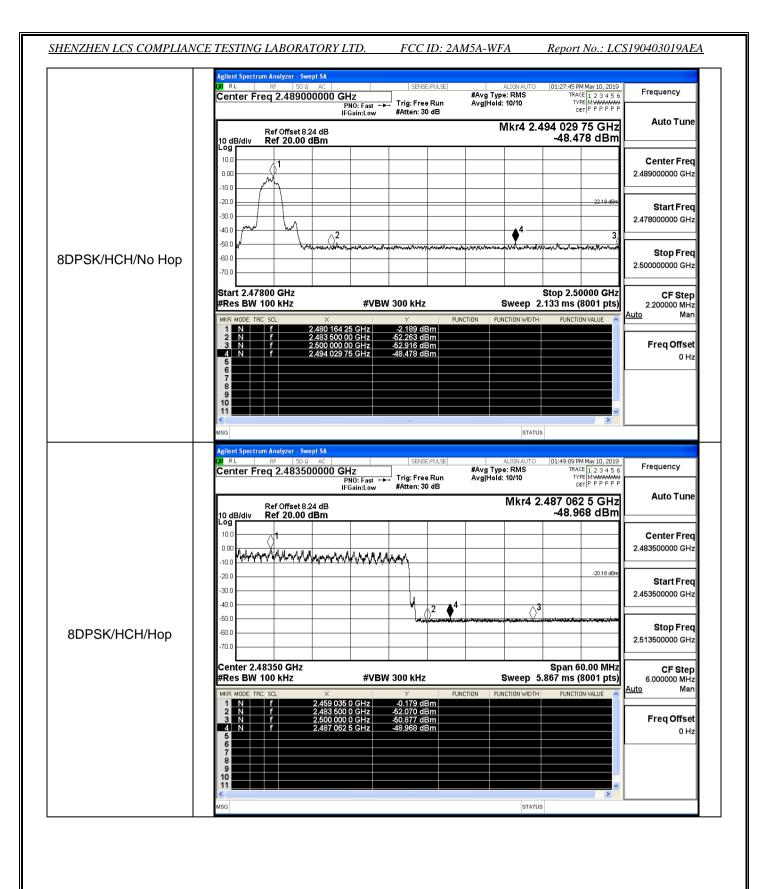
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict		
		0.400	-0.962	Off	-49.041	-20.96	PASS		
0.501/	LCH	2402	0.816	On	-49.902	-19.18	PASS		
GFSK	нсн		-0.915	Off	-48.773	-20.92	PASS		
		2480	1.206	On	-49.231	-18.79	PASS		
	LCH				-3.944	Off	-49.754	-23.94	PASS
		2402	-0.530	On	-49.305	-20.53	PASS		
π/4DQPSK	нсн	HCH 2480	-2.014	Off	-50.060	-22.01	PASS		
			-0.435	On	-48.824	-20.44	PASS		
			-2.140	Off	-49.775	-22.14	PASS		
	LCH	2402	-0.632	On	-49.567	-20.63	PASS		
8DPSK		2.100	-2.189	Off	-48.478	-22.19	PASS		
	HCH	2480	-0.179	On	-48.968	-20.18	PASS		







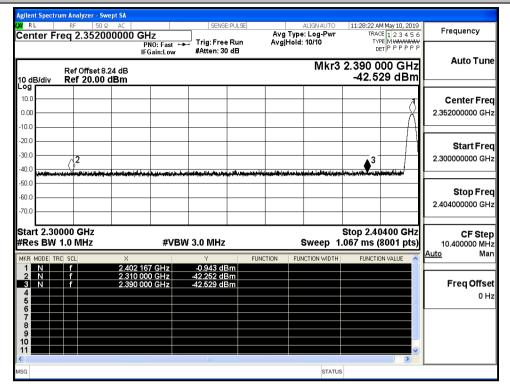




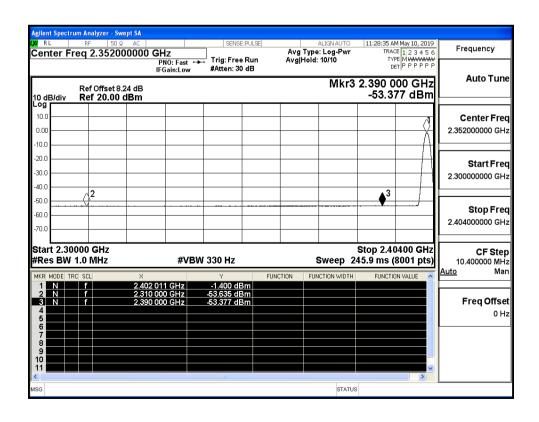
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-42.25	3.0	0	56.01	PEAK	74	PASS
	Off	2310.0	-53.64	3.0	0	44.62	AV	54	PASS
	Off	2390.0	-42.53	3.0	0	55.73	PEAK	74	PASS
	Off	2390.0	-53.38	3.0	0	44.88	AV	54	PASS
GFSK	Off	2483.5	-43.16	3.0	0	55.1	PEAK	74	PASS
	Off	2483.5	-53.07	3.0	0	45.19	AV	54	PASS
	Off	2500.0	-43.50	3.0	0	54.76	PEAK	74	PASS
	Off	2500.0	-52.97	3.0	0	45.29	AV	54	PASS
	Off	2310.0	-43.37	3.0	0	54.89	PEAK	74	PASS
	Off	2310.0	-53.48	3.0	0	44.78	AV	54	PASS
	Off	2390.0	-42.39	3.0	0	55.87	PEAK	74	PASS
	Off	2390.0	-53.31	3.0	0	44.95	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.44	3.0	0	54.82	PEAK	74	PASS
	Off	2483.5	-53.01	3.0	0	45.25	AV	54	PASS
	Off	2500.0	-43.62	3.0	0	54.64	PEAK	74	PASS
	Off	2500.0	-52.97	3.0	0	45.29	AV	54	PASS
	Off	2310.0	-41.35	3.0	0	56.91	PEAK	74	PASS
	Off	2310.0	-53.60	3.0	0	44.66	AV	54	PASS
	Off	2390.0	-43.46	3.0	0	54.8	PEAK	74	PASS
	Off	2390.0	-53.31	3.0	0	44.95	AV	54	PASS
8DPSK	Off	2483.5	-43.61	3.0	0	54.65	PEAK	74	PASS
	Off	2483.5	-52.93	3.0	0	45.33	AV	54	PASS
	Off	2500.0	-43.46	3.0	0	54.8	PEAK	74	PASS
	Off	2500.0	-52.89	3.0	0	45.37	AV	54	PASS

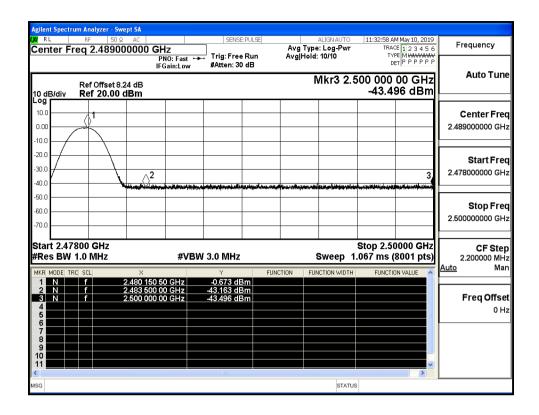




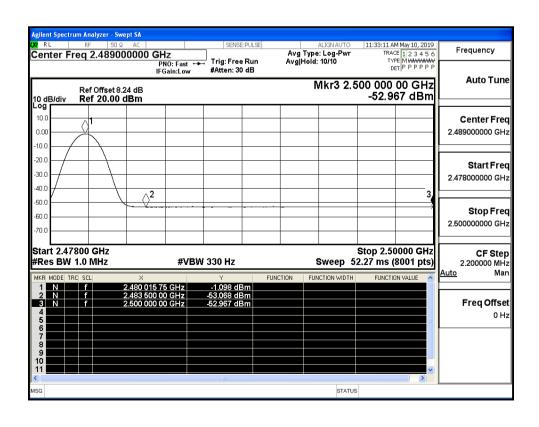
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



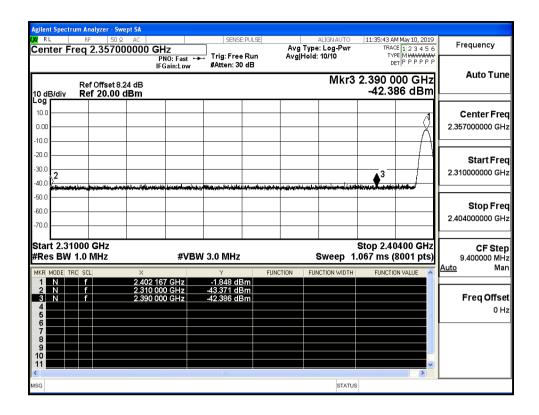
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



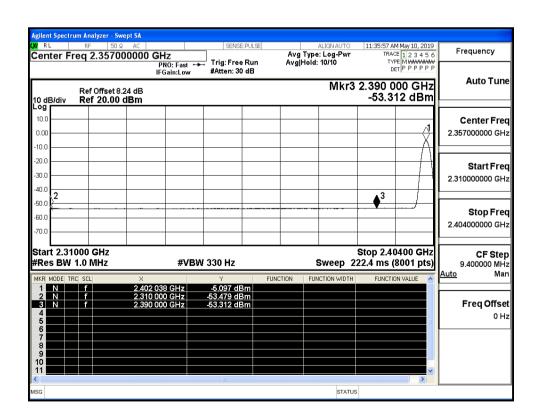
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



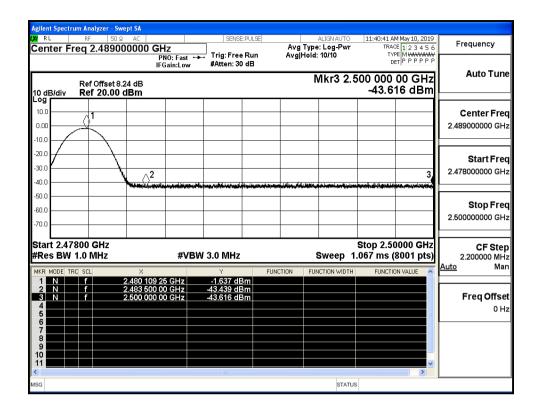
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



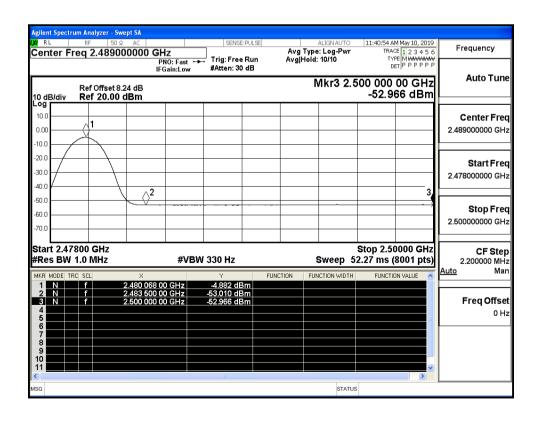
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



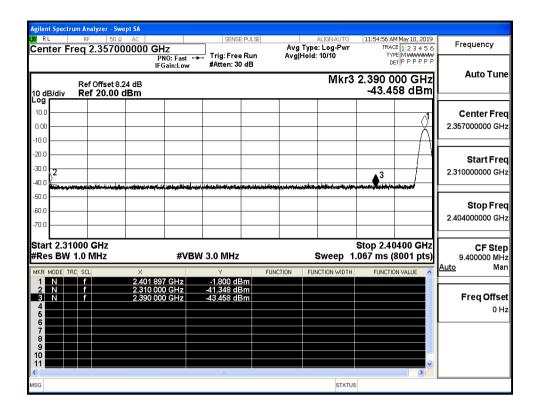
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



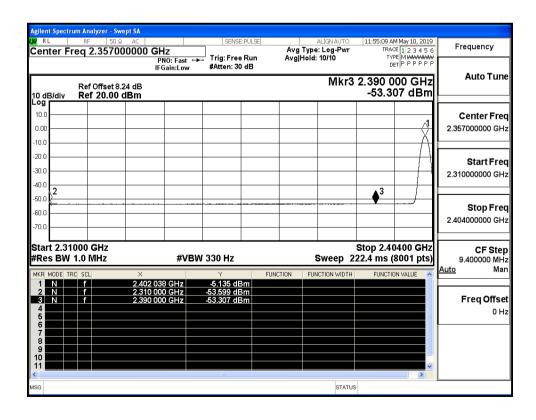
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



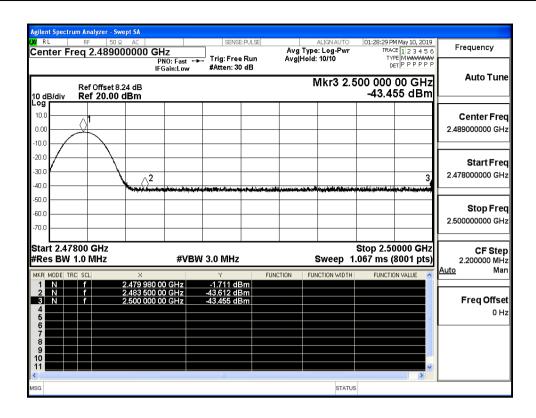
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

