Appendix A

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

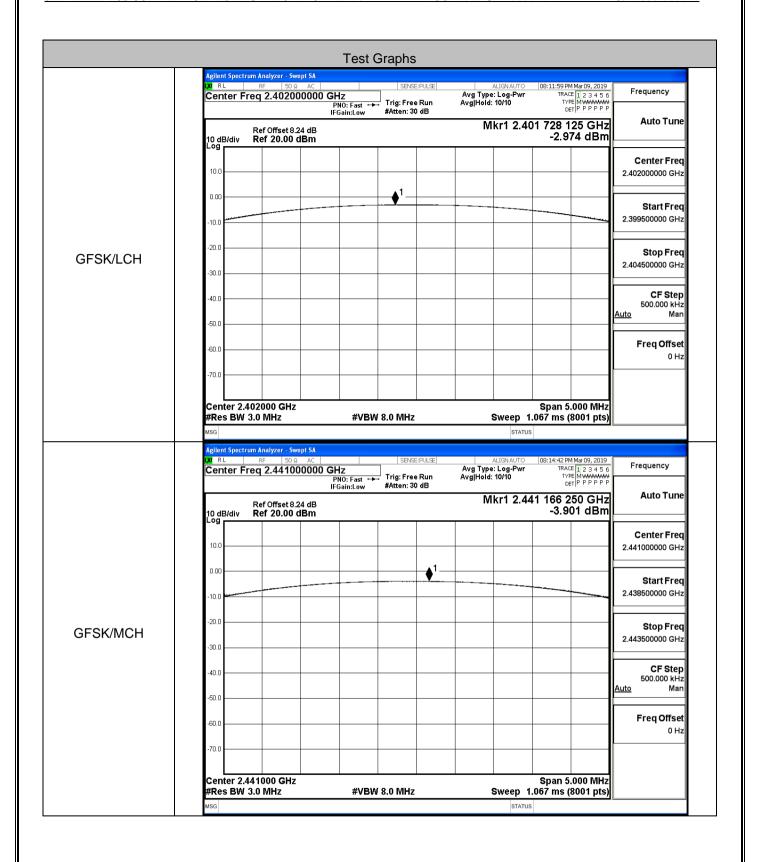
Product Name: Jax Bluetooth® Speaker
Trade Mark: Gemline
Test Model: 100246-001B

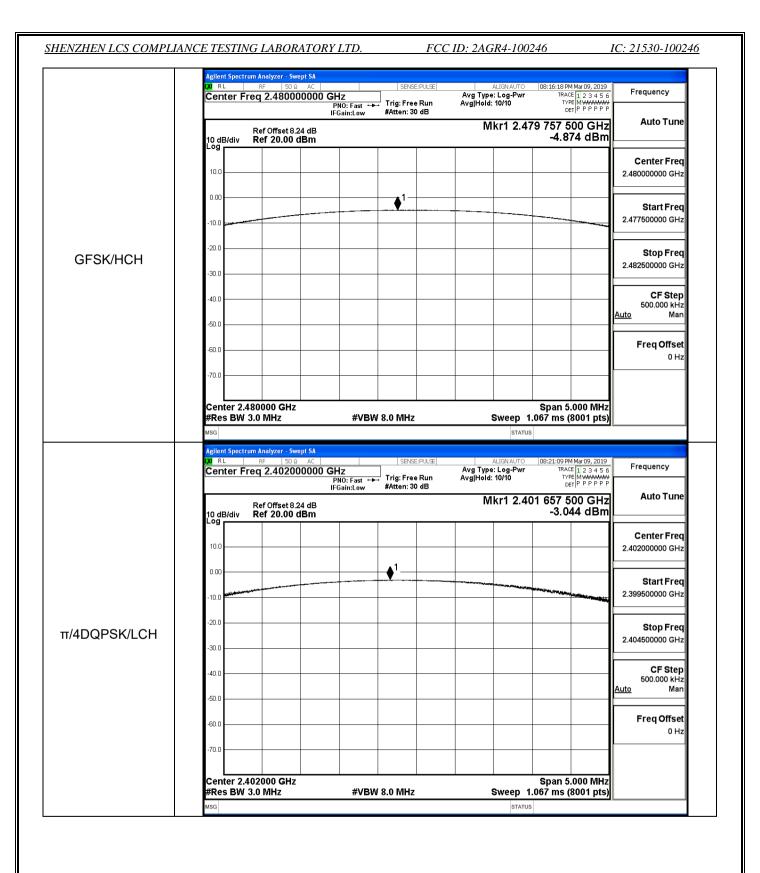
Environmental Conditions

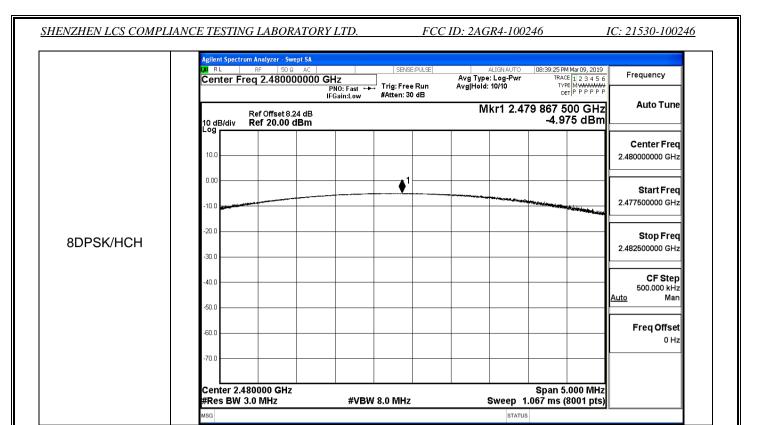
	 -							
	Temperature:	23.5 ° C						
Relative Humidity:		53.3%						
ATM Pressure: Test Engineer: Supervised by:		100.0 kPa						
		David.Luo						
		Wang Chuang						

A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-2.974	21	PASS
GFSK	MCH	-3.901	21	PASS
	НСН	-4.874	21	PASS
	LCH	-3.044	21	PASS
π/4DQPSK	MCH	-3.983	21	PASS
	HCH	-4.906	21	PASS
	LCH	-3.128	21	PASS
8DPSK	DPSK MCH -4.02		21	PASS
	HCH	-4.975	21	PASS

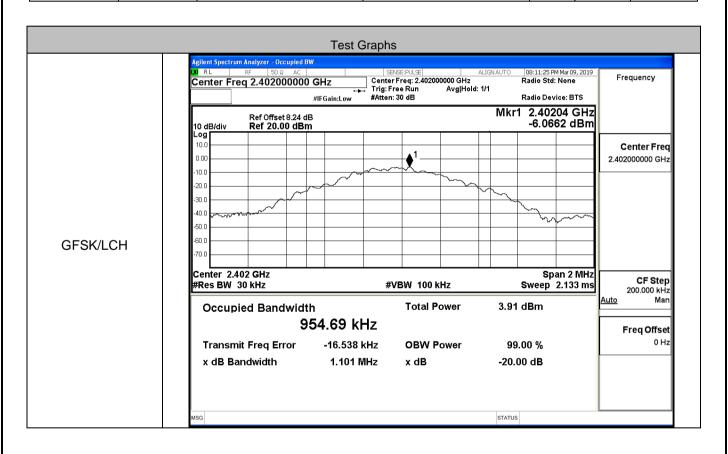


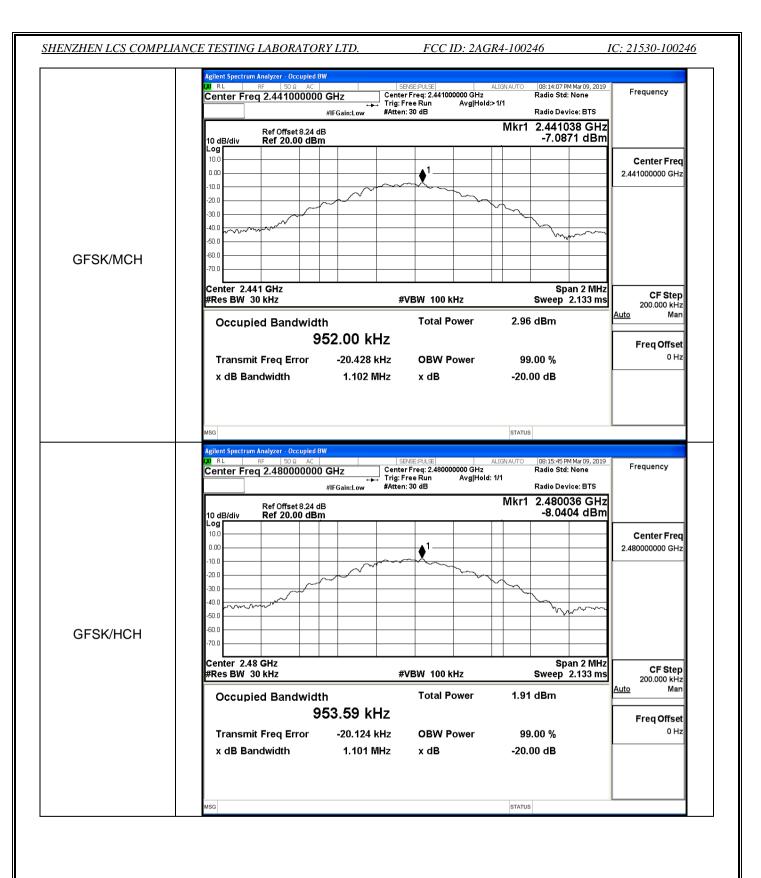


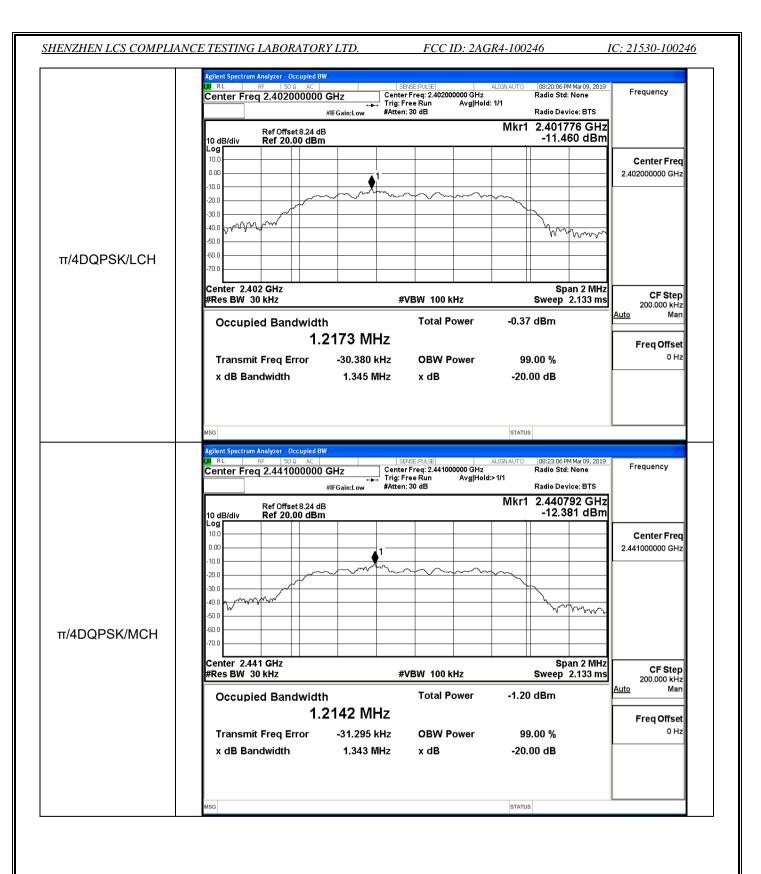


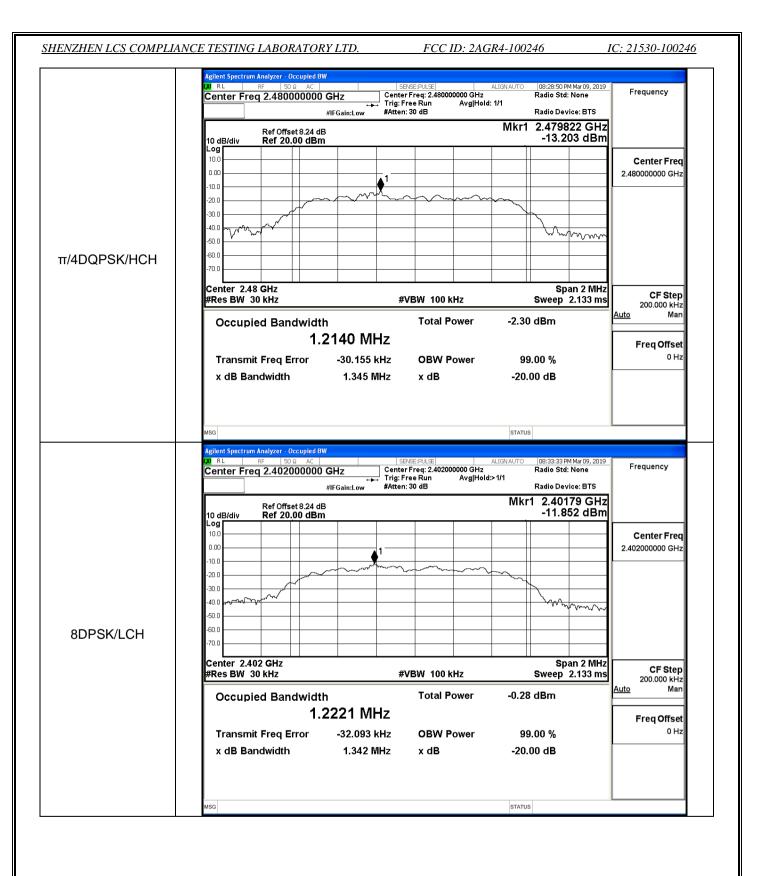
A.2 99% and 20dB Bandwidth

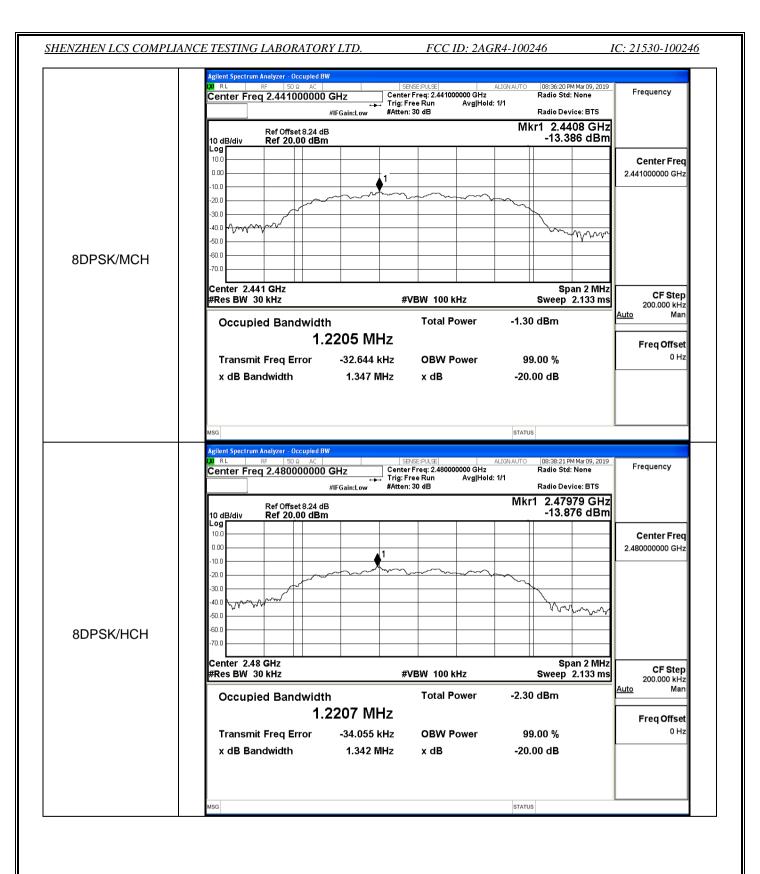
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.95469	1.101	Not Specified	PASS
GFSK	MCH	0.95200	1.102	Not Specified	PASS
	HCH	0.95359	1.101	Not Specified	PASS
	LCH	1.2173	1.345	Not Specified	PASS
π/4DQPSK	MCH	1.2142	1.343	Not Specified	PASS
	HCH	1.2140	1.345	Not Specified	PASS
	LCH	1.2221	1.342	Not Specified	PASS
8DPSK	MCH	1.2205	1.347	Not Specified	PASS
	HCH	1.2207	1.342	Not Specified	PASS





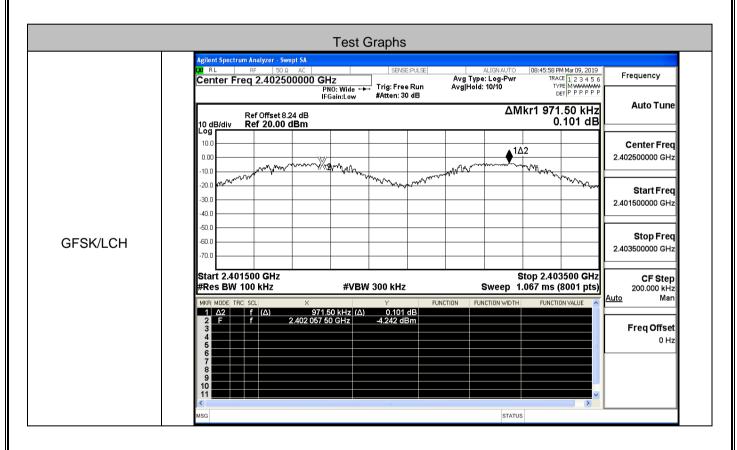


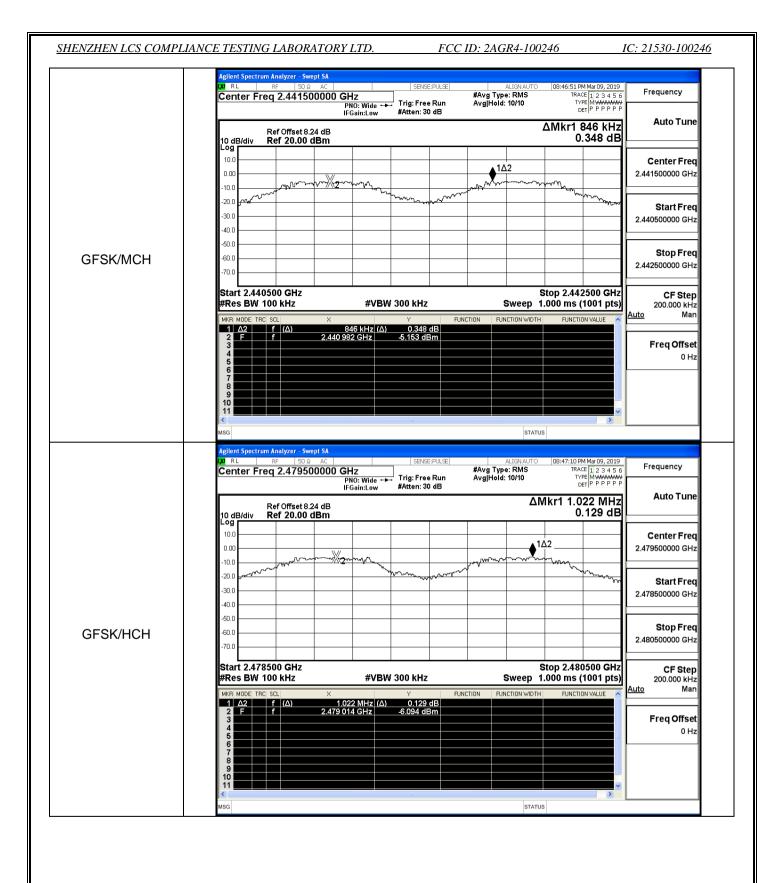


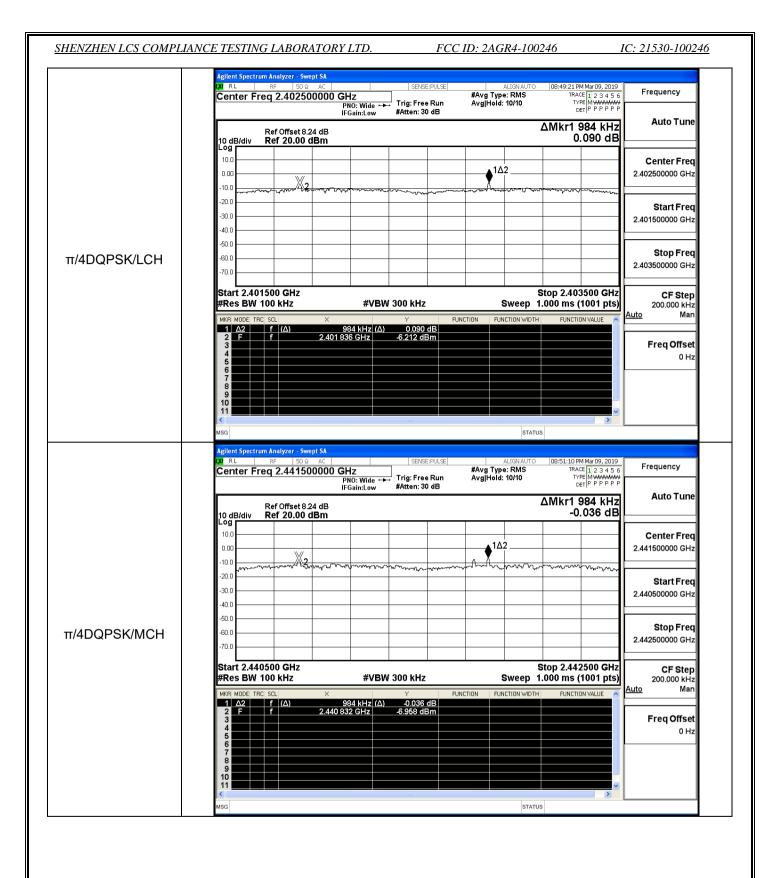


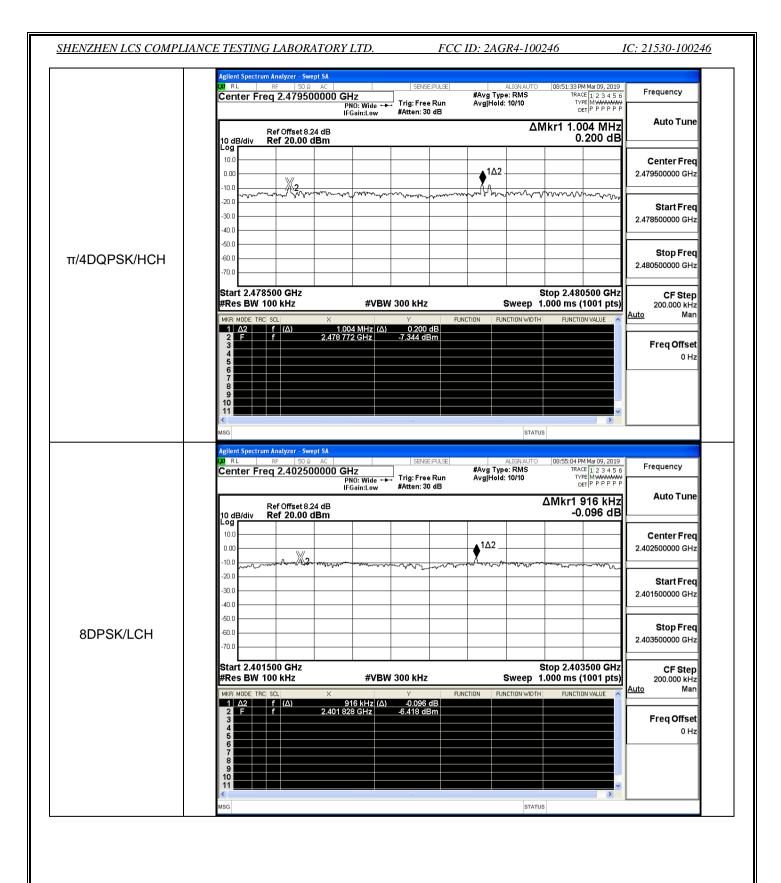
A.3 Carrier Frequency Separation

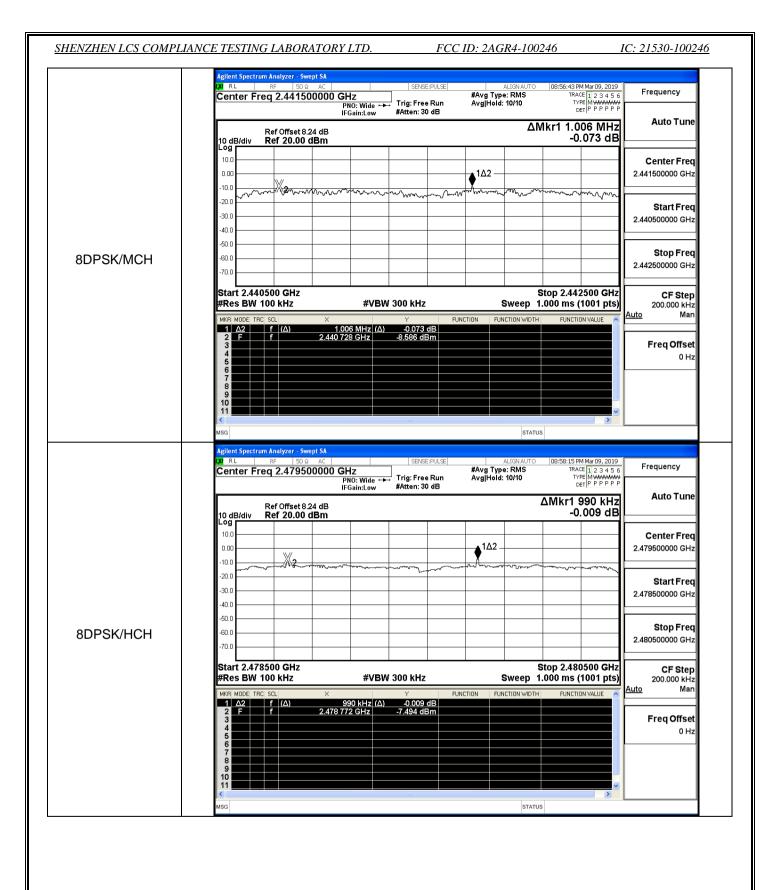
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.972	0.735	PASS
GFSK	MCH	0.846	0.735	PASS
	HCH	1.022	0.735	PASS
	LCH	0.984	0.897	PASS
π/4DQPSK	MCH	0.984	0.897	PASS
	HCH	1.004	0.897	PASS
	LCH	0.916	0.898	PASS
8DPSK	MCH	1.006	0.898	PASS
	HCH	0.990	0.898	PASS





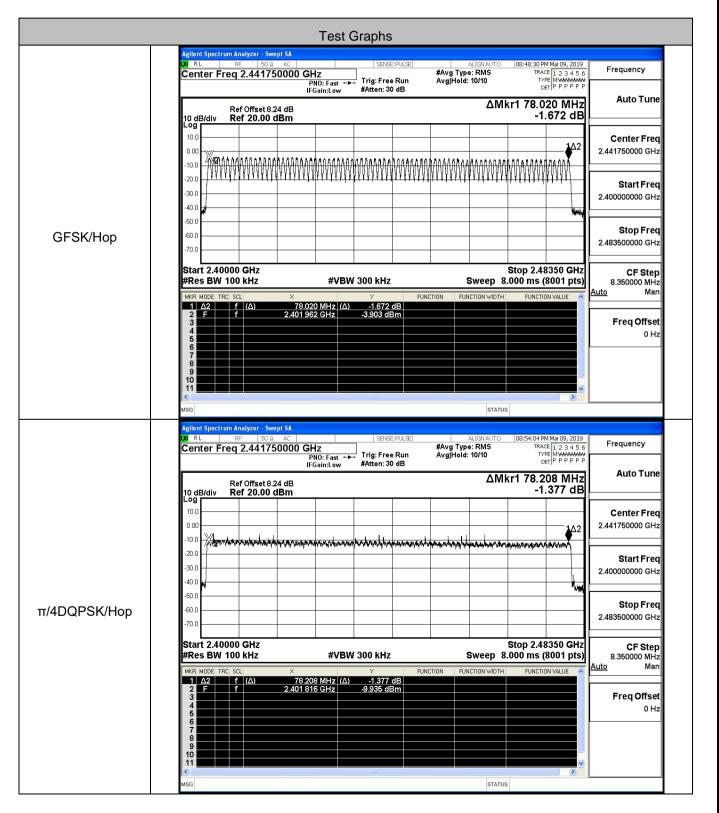






A.4 Hopping Channel Number

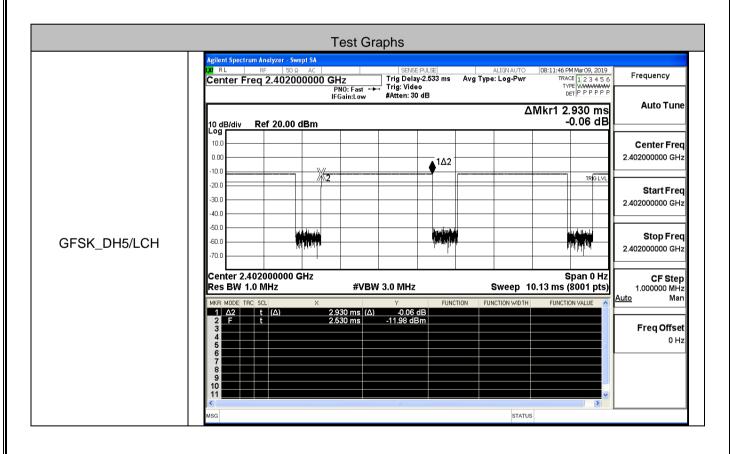
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

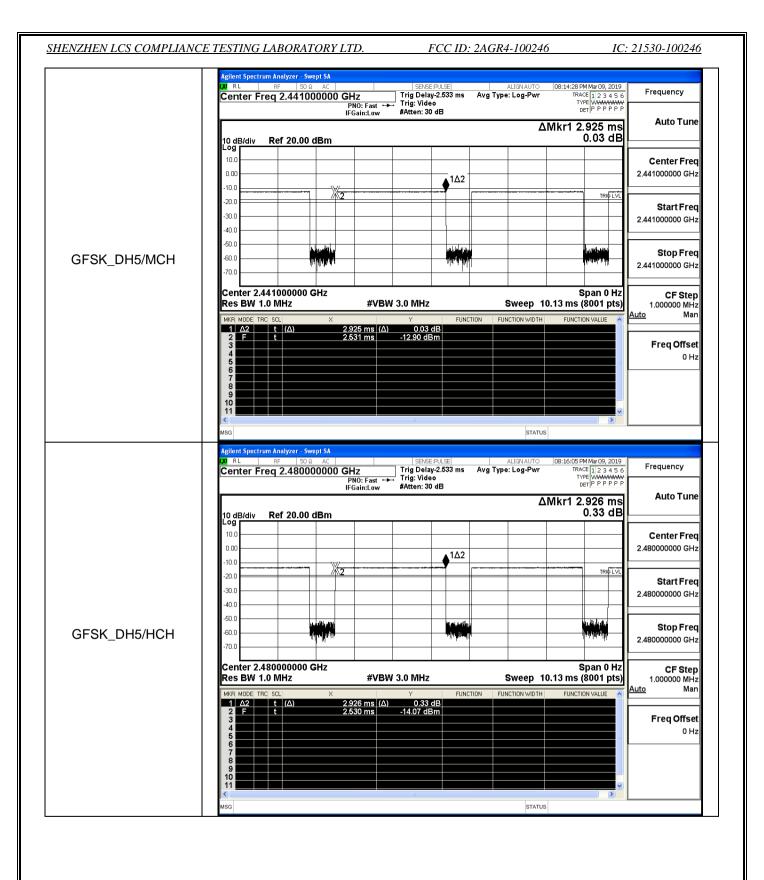


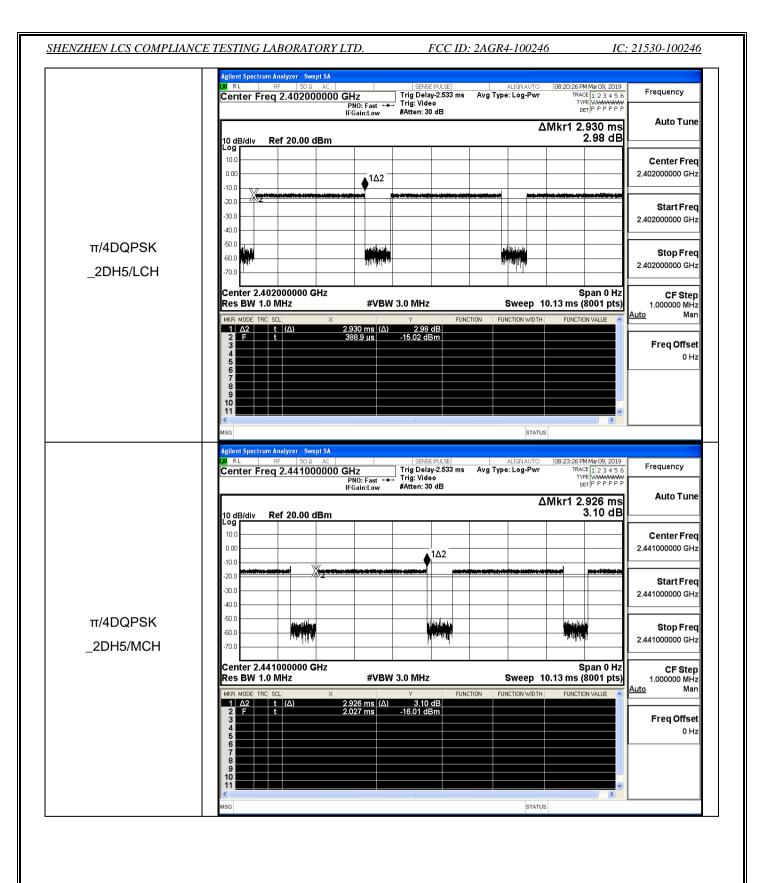
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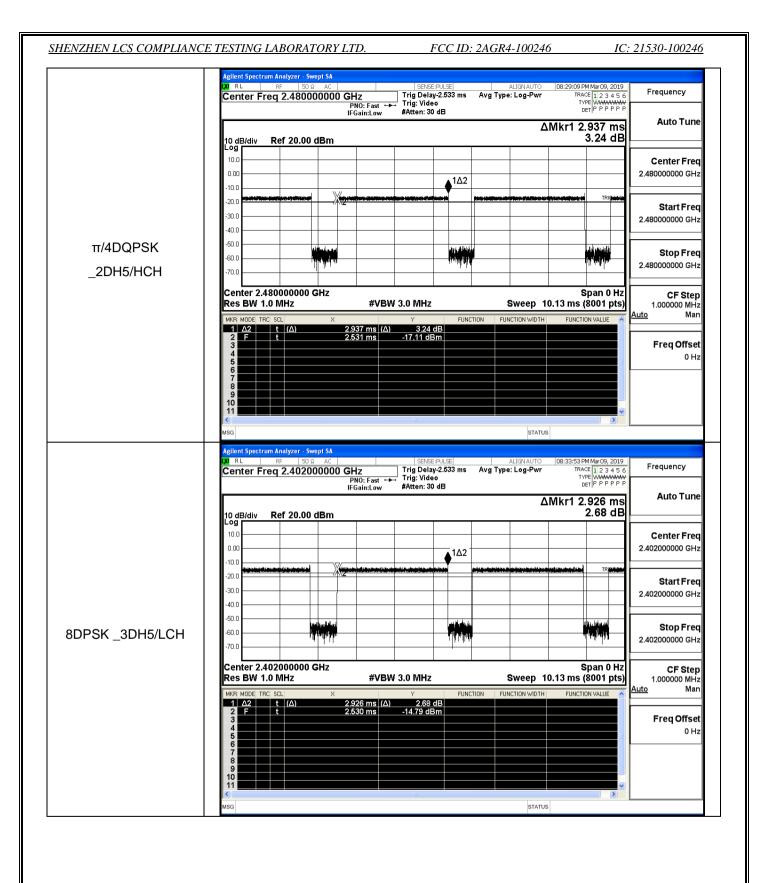
A.5 Dwell Time

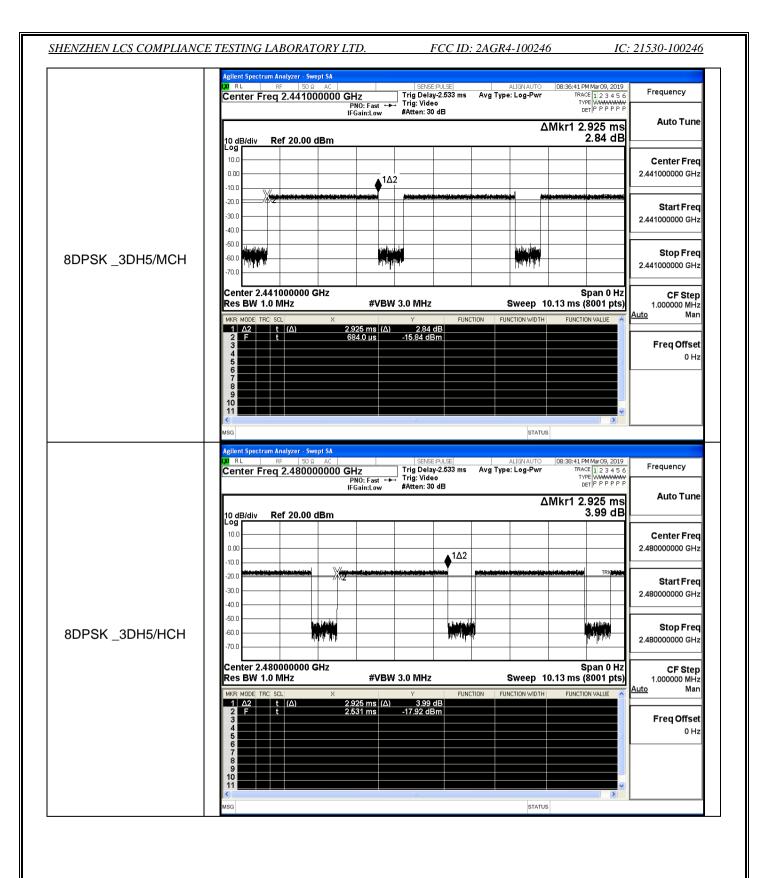
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5		2.93	106.7	0.313	0.4	PASS
GFSK	DH5	MCH	2.93	106.7	0.313	0.4	PASS
	DH5	НСН	2.93	106.7	0.313	0.4	PASS
	2DH5	LCH	2.93	106.7	0.313	0.4	PASS
π/4DQPSK	2DH5	MCH	2.93	106.7	0.313	0.4	PASS
	2DH5	HCH	2.93	106.7	0.313	0.4	PASS
	3DH5	LCH	2.93	106.7	0.313	0.4	PASS
8DPSK	3DH5	MCH	2.93	106.7	0.313	0.4	PASS
	3DH5	HCH	2.93	106.7	0.313	0.4	PASS





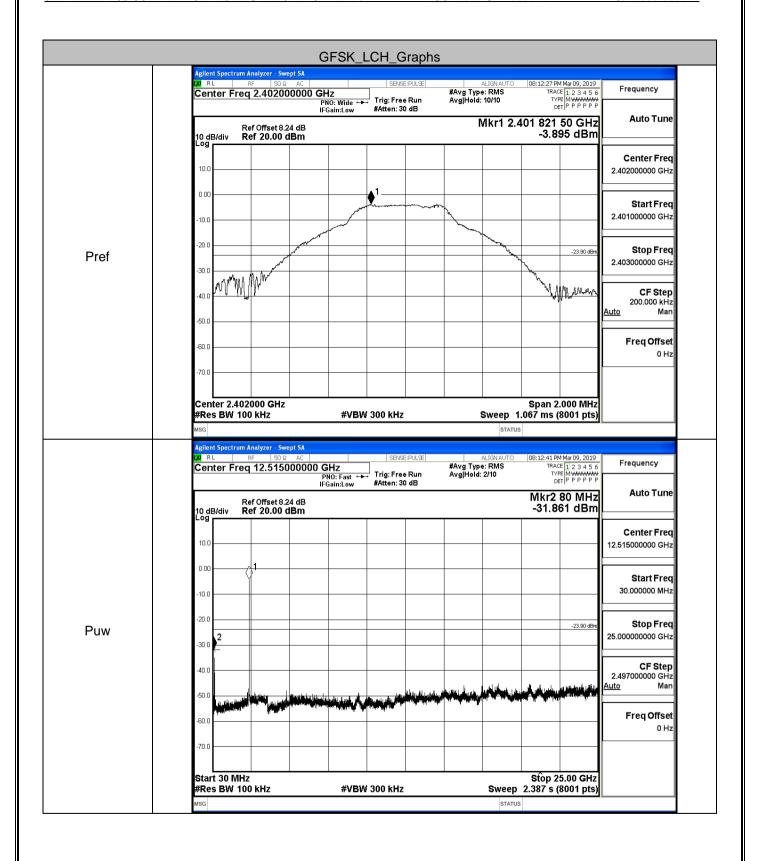


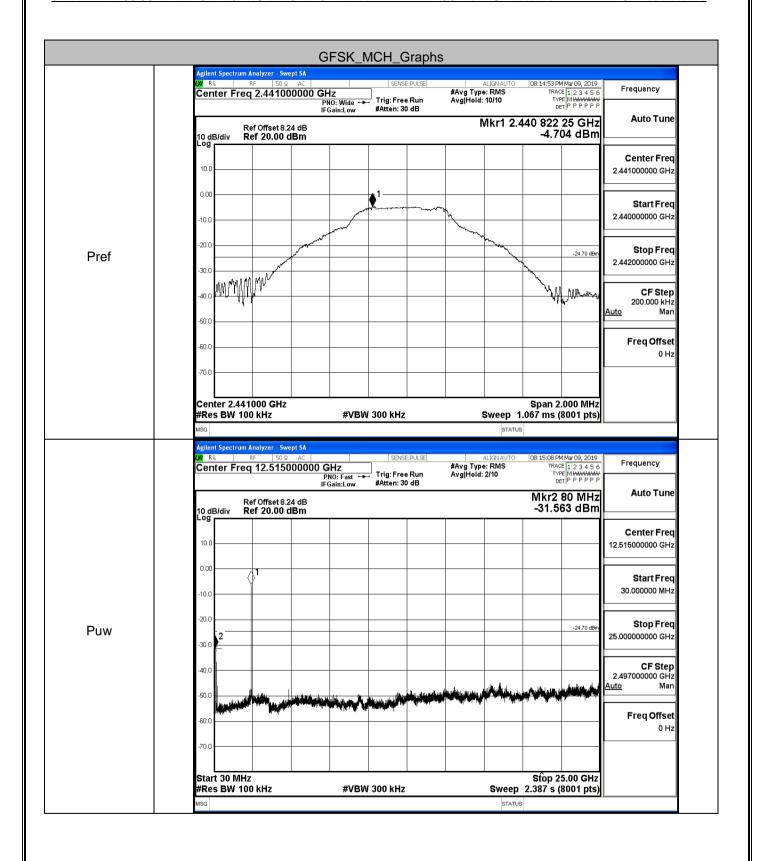


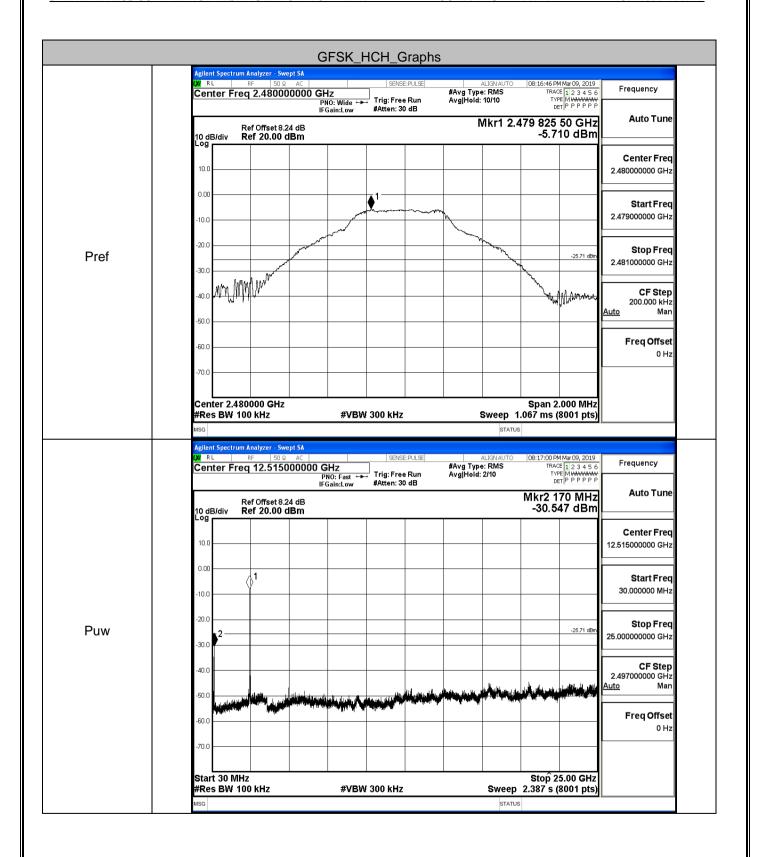


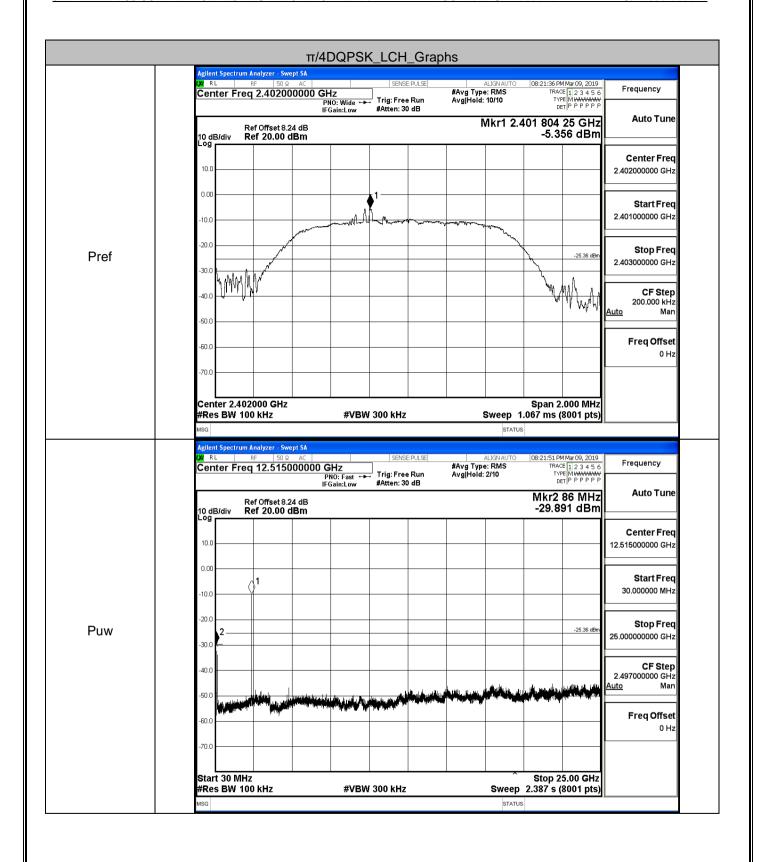
A.6 RF Conducted Spurious Emissions

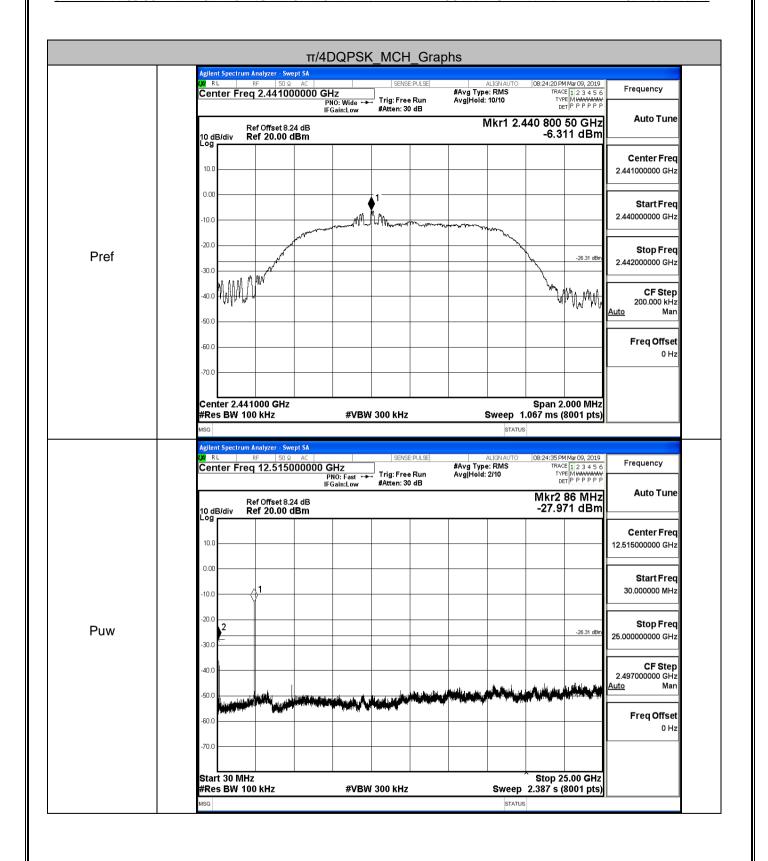
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-3.895	-31.861	-23.895	PASS
GFSK	MCH	-4.704	-31.563	-24.704	PASS
	HCH	-5.71	-30.547	-25.710	PASS
	LCH	-5.356	-29.891	-25.356	PASS
π/4DQPSK	MCH	-6.311	-27.971	-26.311	PASS
	НСН	-7.276	-31.607	-27.276	PASS
	LCH	-4.997	-29.984	-24.997	PASS
8DPSK	MCH	-6.064	-30.951	-26.064	PASS
	НСН	-8.067	-31.080	-28.067	PASS

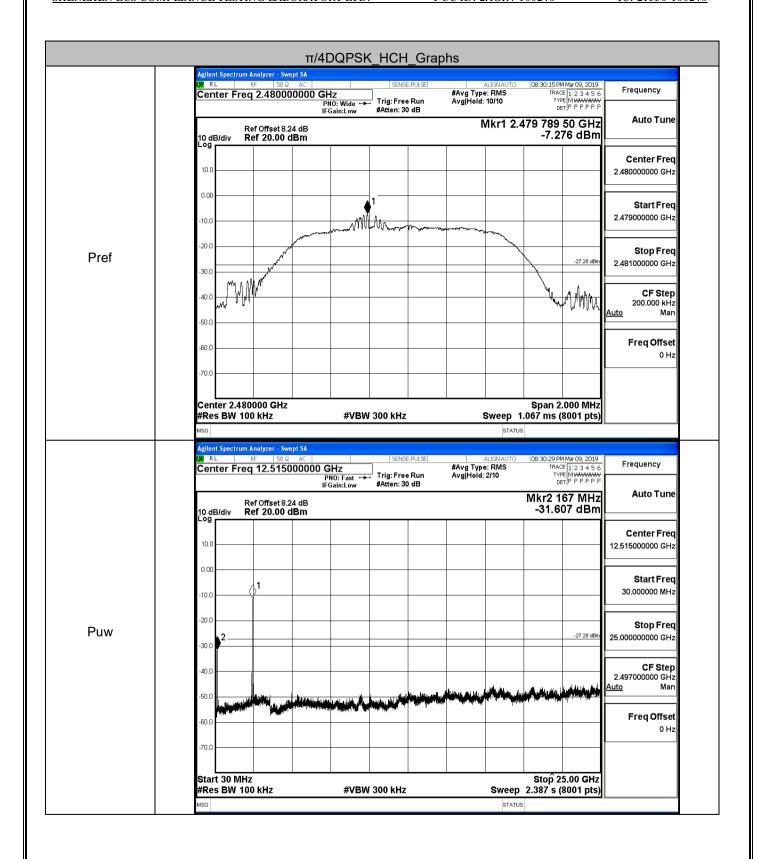


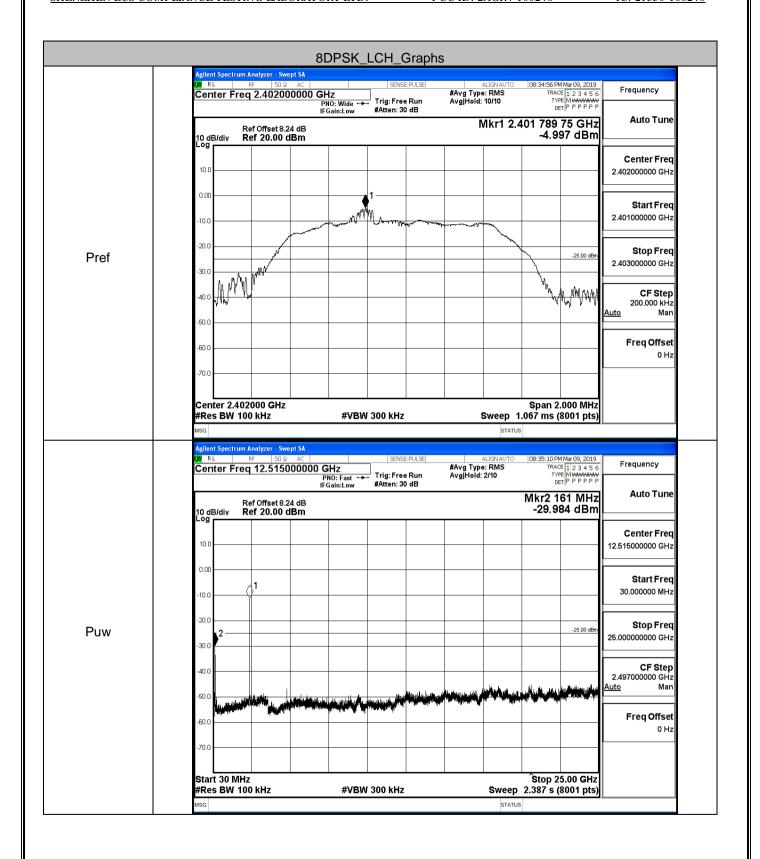


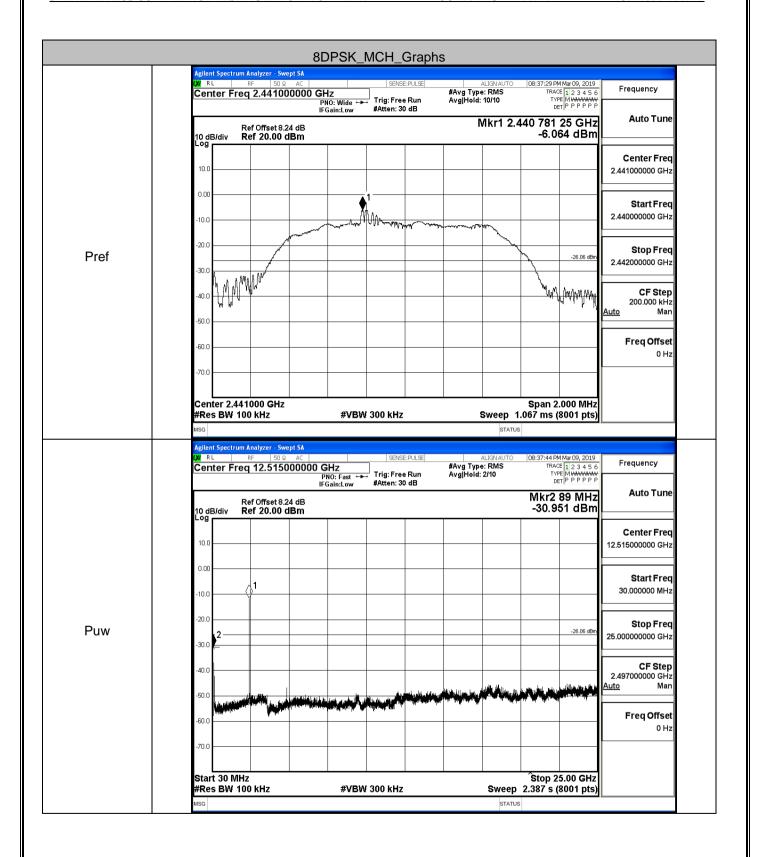


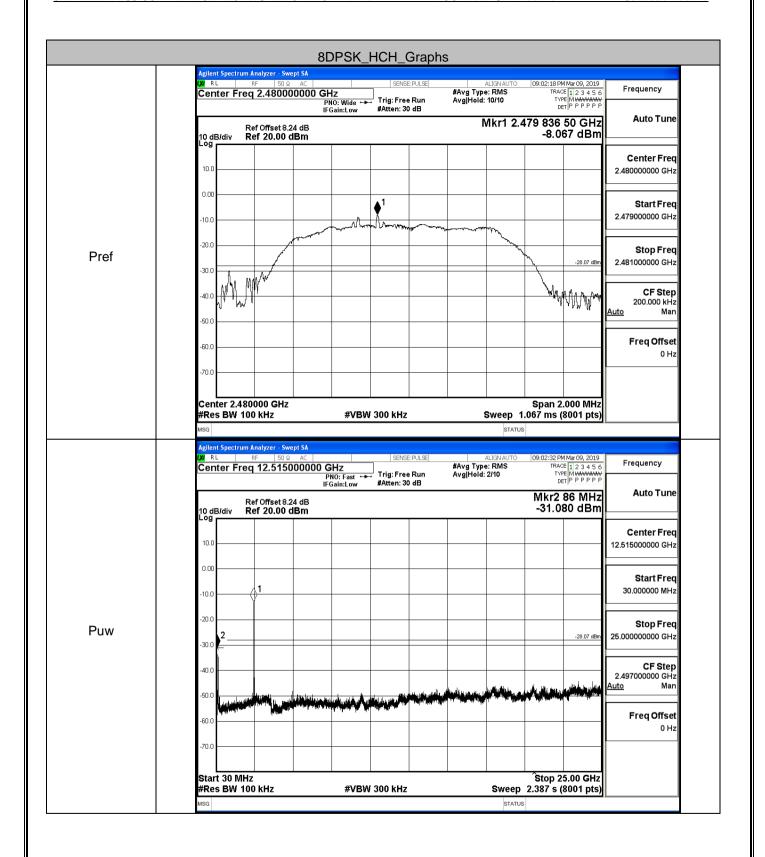






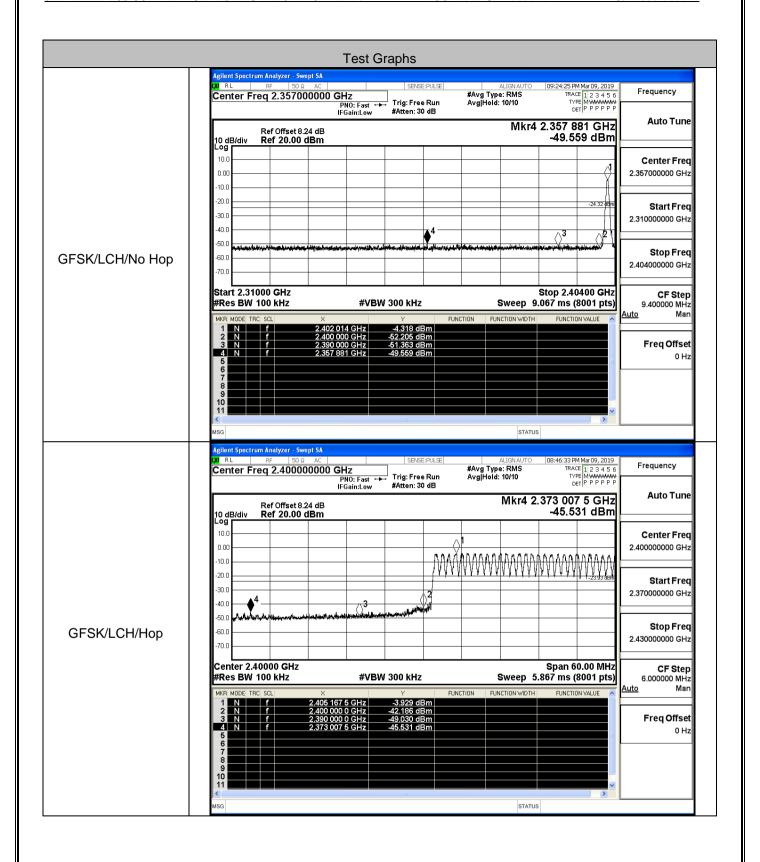


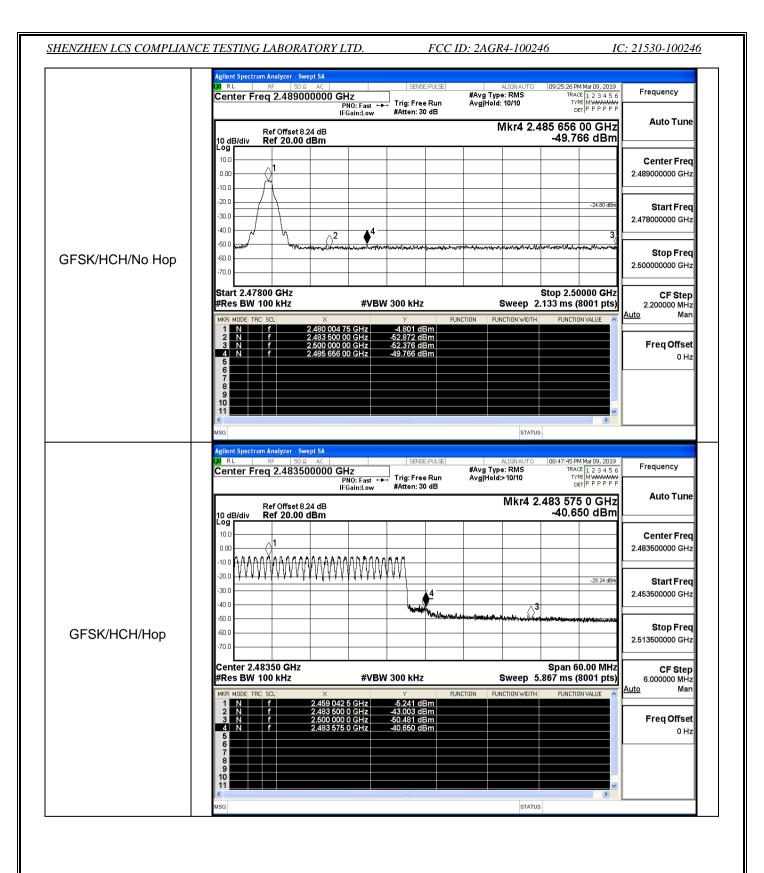


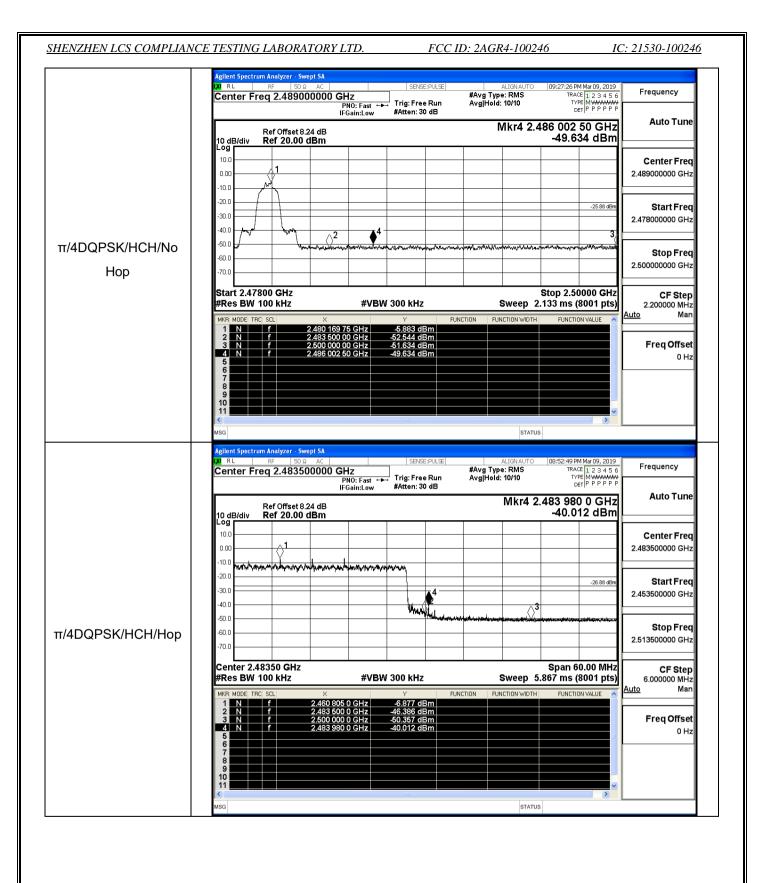


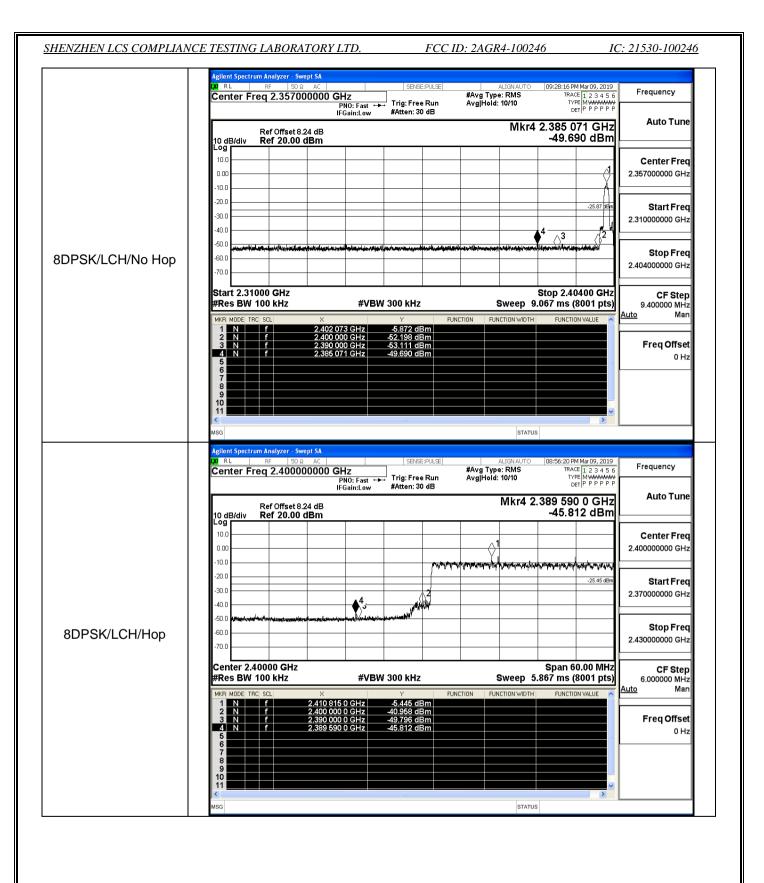
A.7 Band-edge for RF Conducted Emissions

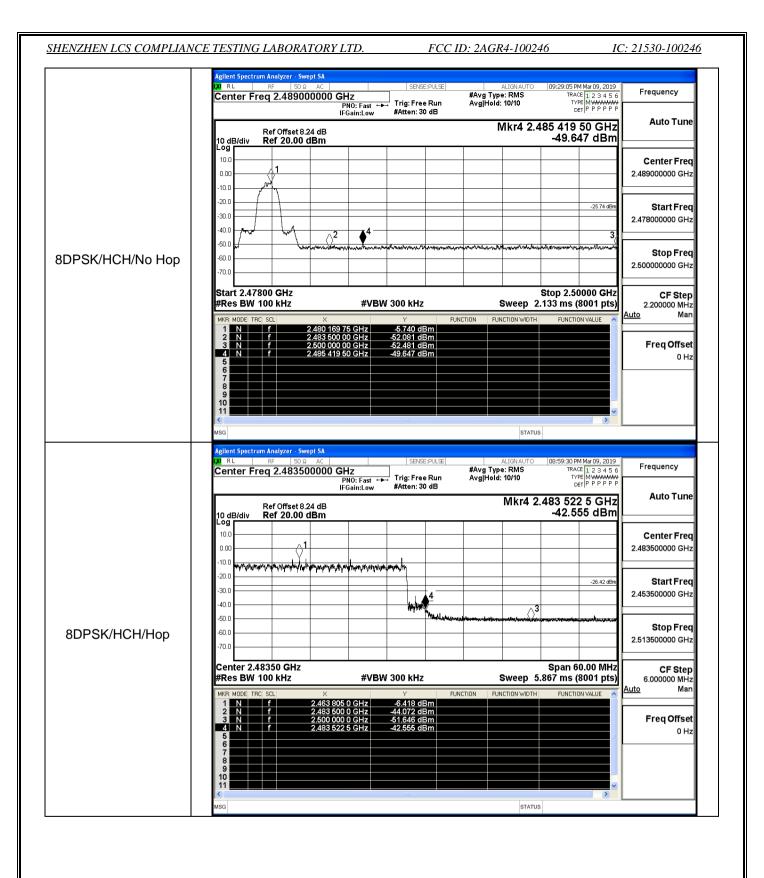
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
			-4.318	Off	-49.559	-24.32	PASS
2-21/	LCH	2402	-3.929	On	-45.531	-23.93	PASS
GFSK			-4.801	Off	-49.766	-24.8	PASS
	HCH	2480	-5.241	On	-40.650	-25.24	PASS
			-5.401	Off	-49.201	-25.4	PASS
	LCH	2402	-5.260	On	-47.236	-25.26	PASS
π/4DQPSK			-5.883	Off	-49.634	-25.88	PASS
	HCH	2480	-6.877	On	-40.012	-26.88	PASS
			-5.872	Off	-49.690	-25.87	PASS
	LCH	2402	-5.445	On	-45.812	-25.45	PASS
8DPSK			-5.740	Off	-49.647	-25.74	PASS
	HCH	2480	-6.418	On	-42.555	-26.42	PASS





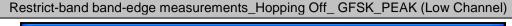


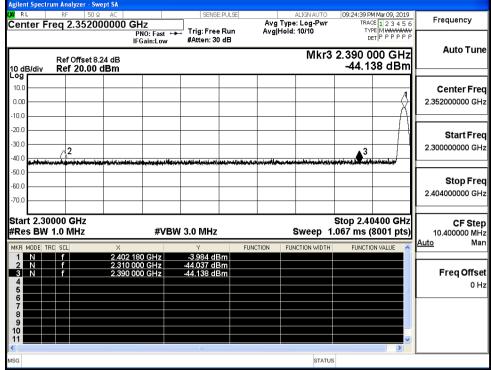




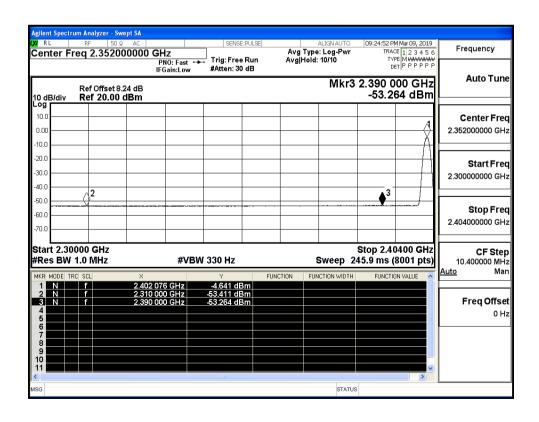
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.04	2.0	0	53.22	PEAK	74	PASS
	Off	2310.0	-53.41	2.0	0	43.85	AV	54	PASS
	Off	2390.0	-44.14	2.0	0	53.12	PEAK	74	PASS
	Off	2390.0	-53.26	2.0	0	43.99	AV	54	PASS
GFSK	Off	2483.5	-41.94	2.0	0	55.32	PEAK	74	PASS
	Off	2483.5	-52.95	2.0	0	44.31	AV	54	PASS
	Off	2500.0	-42.09	2.0	0	55.17	PEAK	74	PASS
	Off	2500.0	-52.86	2.0	0	44.40	AV	54	PASS
	Off	2310.0	-43.71	2.0	0	53.55	PEAK	74	PASS
	Off	2310.0	-53.37	2.0	0	43.89	AV	54	PASS
	Off	2390.0	-42.78	2.0	0	54.47	PEAK	74	PASS
	Off	2390.0	-53.20	2.0	0	44.06	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.20	2.0	0	54.06	PEAK	74	PASS
	Off	2483.5	-52.98	2.0	0	44.28	AV	54	PASS
	Off	2500.0	-42.94	2.0	0	54.32	PEAK	74	PASS
	Off	2500.0	-52.78	2.0	0	44.47	AV	54	PASS
	Off	2310.0	-43.95	2.0	0	53.30	PEAK	74	PASS
	Off	2310.0	-53.51	2.0	0	43.74	AV	54	PASS
	Off	2390.0	-43.09	2.0	0	54.17	PEAK	74	PASS
	Off	2390.0	-53.25	2.0	0	44.01	AV	54	PASS
8DPSK	Off	2483.5	-42.23	2.0	0	55.03	PEAK	74	PASS
	Off	2483.5	-52.93	2.0	0	44.33	AV	54	PASS
	Off	2500.0	-43.31	2.0	0	53.95	PEAK	74	PASS
	Off	2500.0	-52.85	2.0	0	44.41	AV	54	PASS

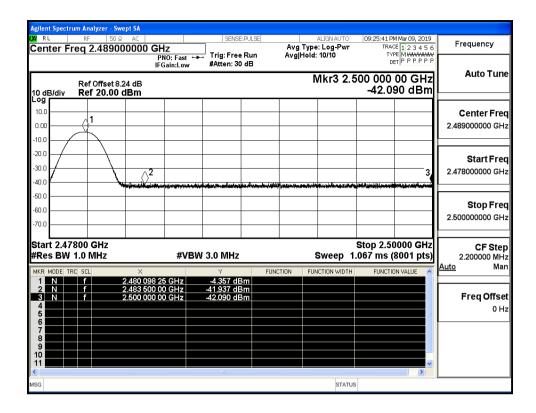




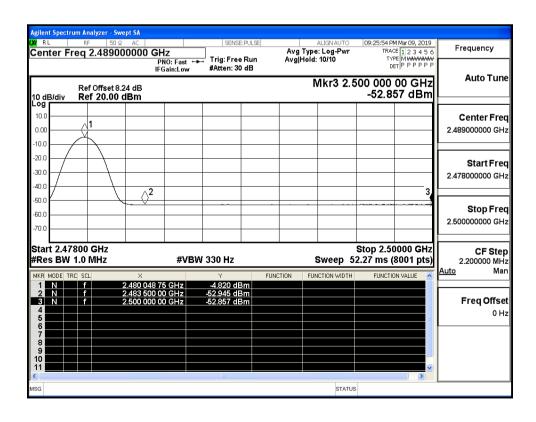
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



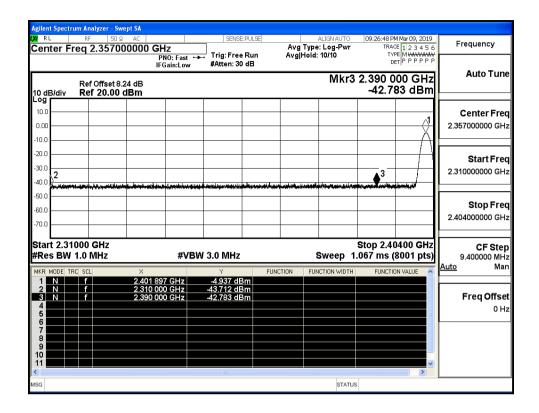
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



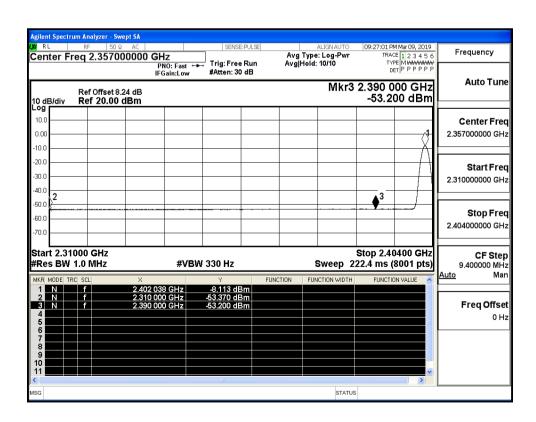
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



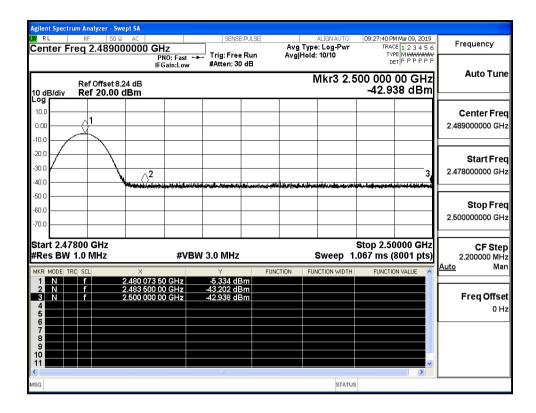
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



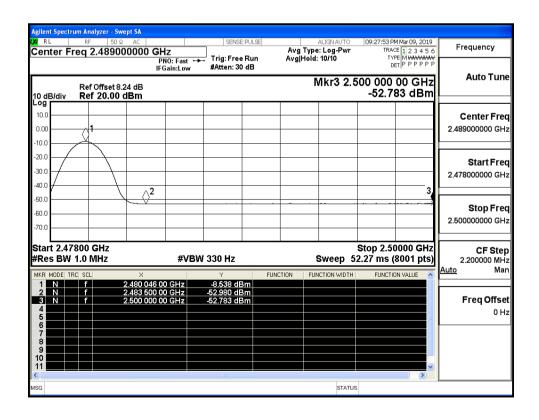
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



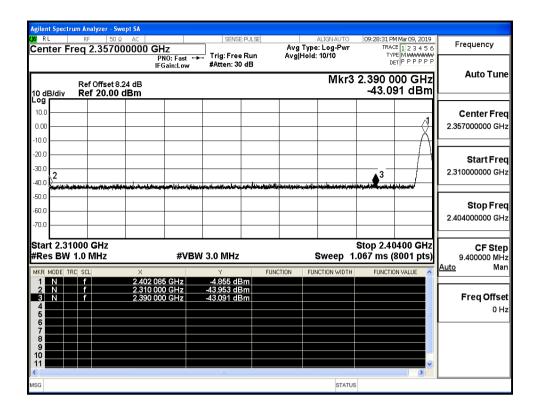
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



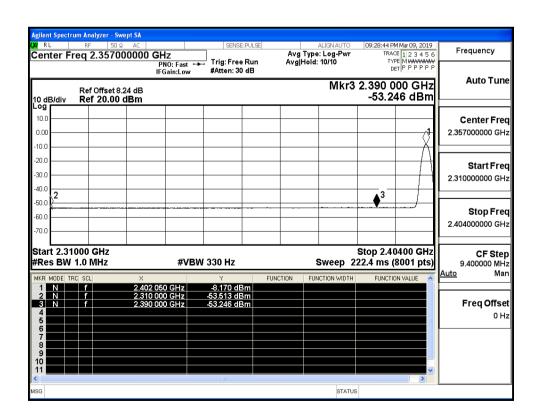
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



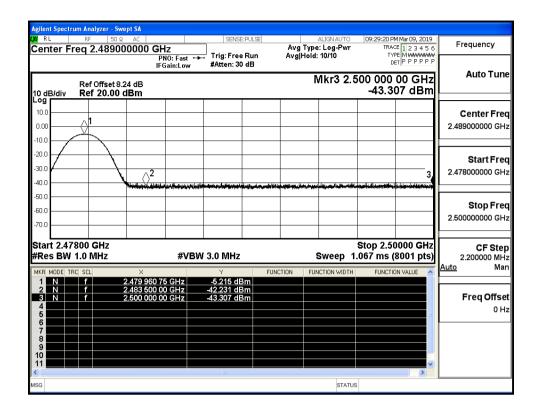
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

