Appendix A

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

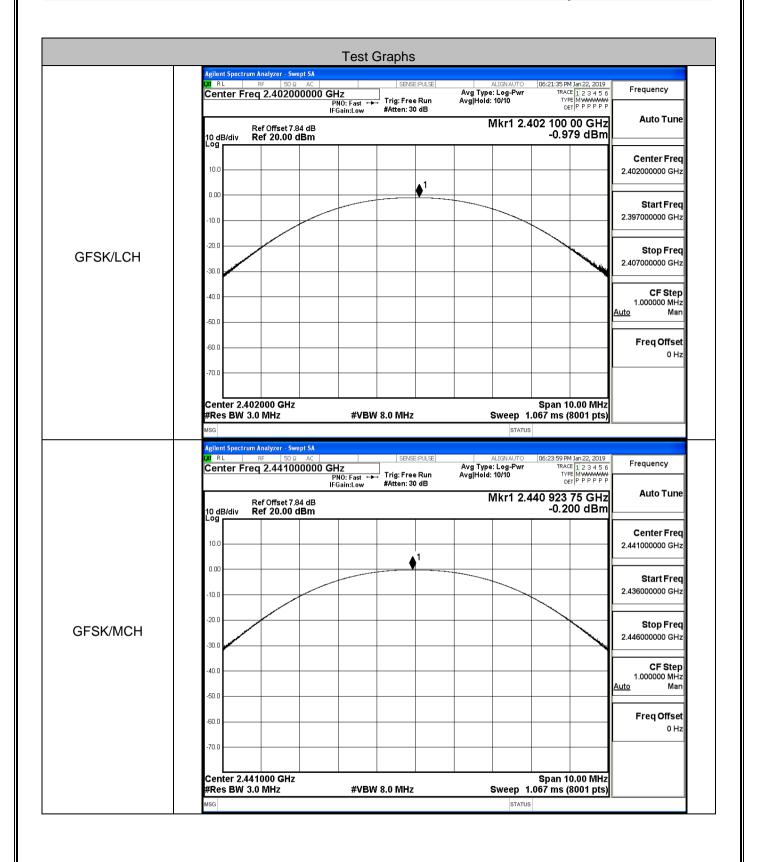
Product Name: Light Up Logo Bluetooth Headphones Trade Mark: N/A Test Model: XO-9728

Environmental Conditions

 -	
Temperature:	24.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry.Zeng
Supervised by:	Jayden.Zhuo

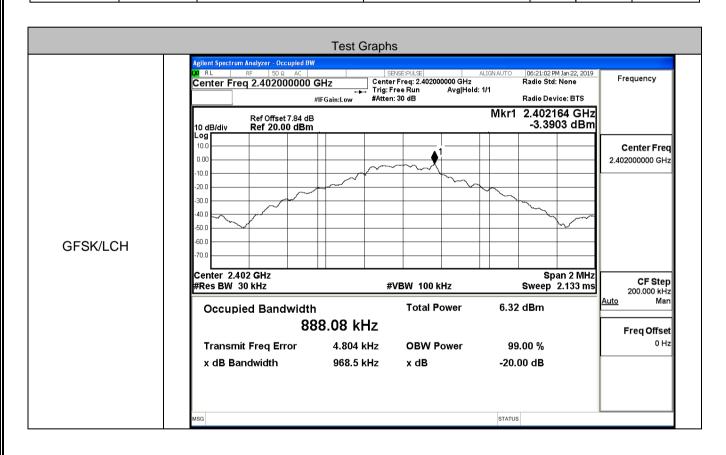
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-0.979	21	PASS
GFSK	MCH	-0.200	21	PASS
	НСН	-1.277	21	PASS
	LCH	-1.506	21	PASS
π/4DQPSK	MCH	-0.753	21	PASS
	НСН	-1.940	21	PASS
	LCH	-1.392	21	PASS
8DPSK	8DPSK MCH -0.636		21	PASS
	HCH	-1.695	21	PASS



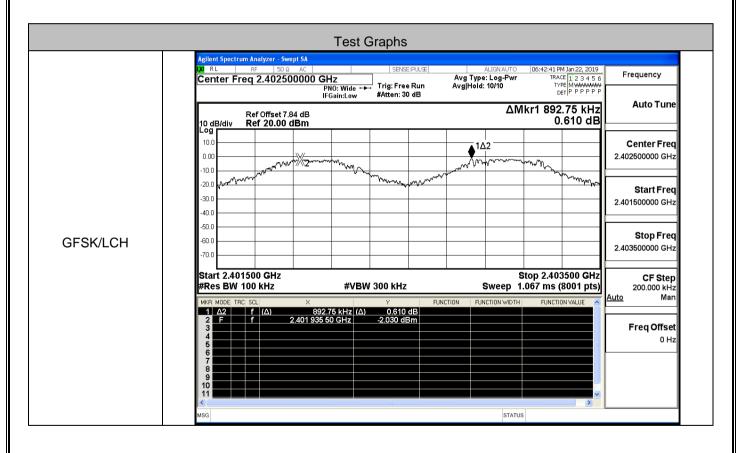
A.2 99% and 20dB Bandwidth

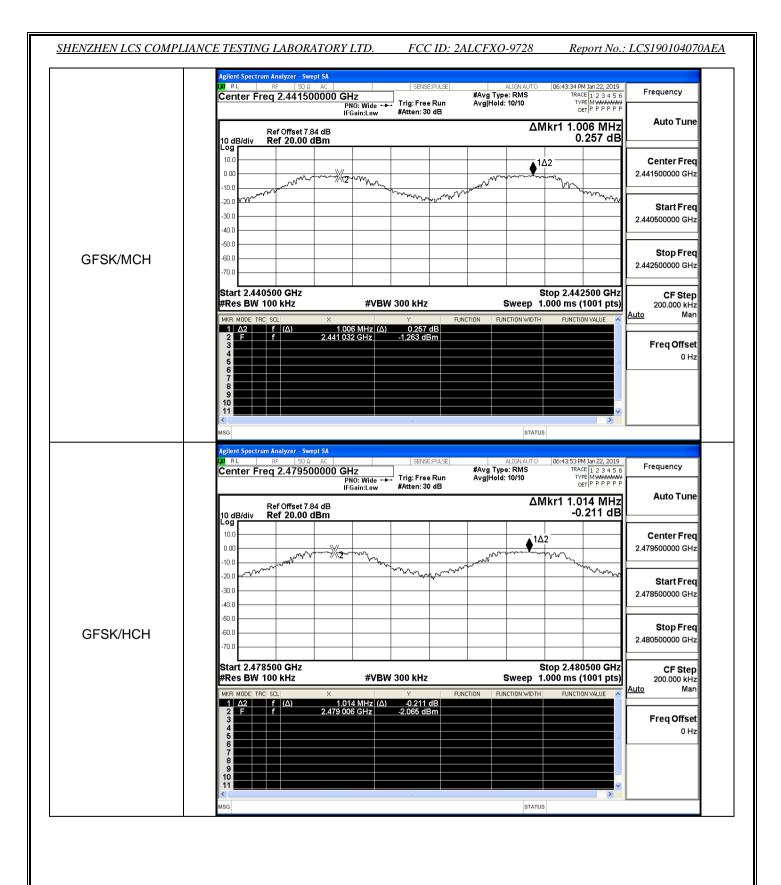
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.88808	0.9685	Not Specified	PASS
GFSK	MCH	0.89310	1.036	Not Specified	PASS
	НСН	0.89365	1.020	Not Specified	PASS
	LCH	1.1789	1.293	Not Specified	PASS
π/4DQPSK	MCH	1.1764	1.309	Not Specified	PASS
	HCH	1.1749	1.310	Not Specified	PASS
	LCH	1.1958	1.295	Not Specified	PASS
8DPSK	MCH	1.1893	1.298	Not Specified	PASS
	HCH	1.1903	1.298	Not Specified	PASS

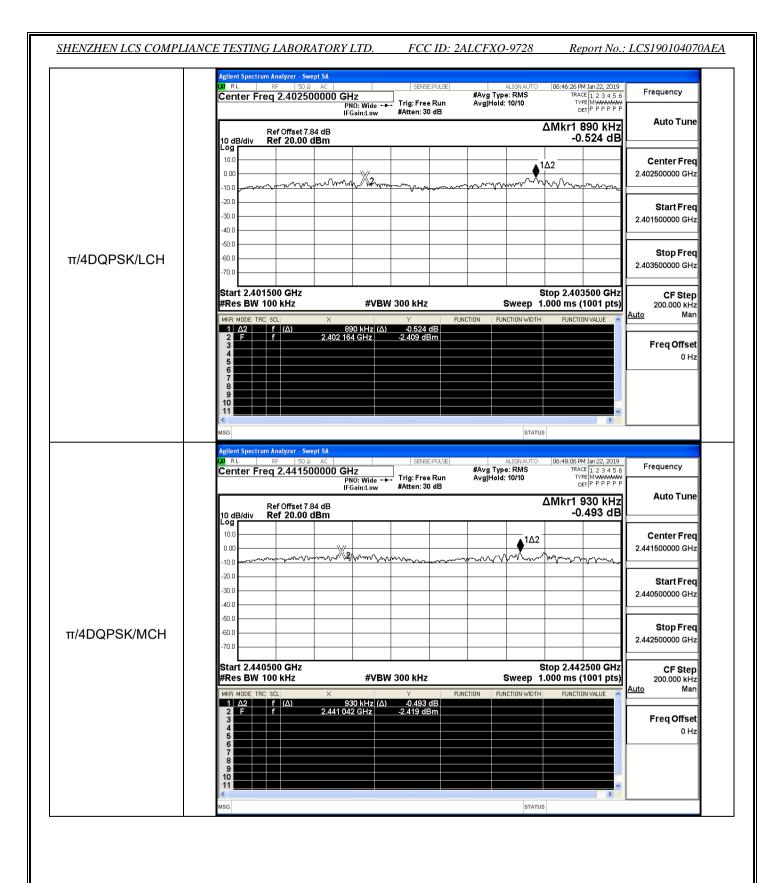


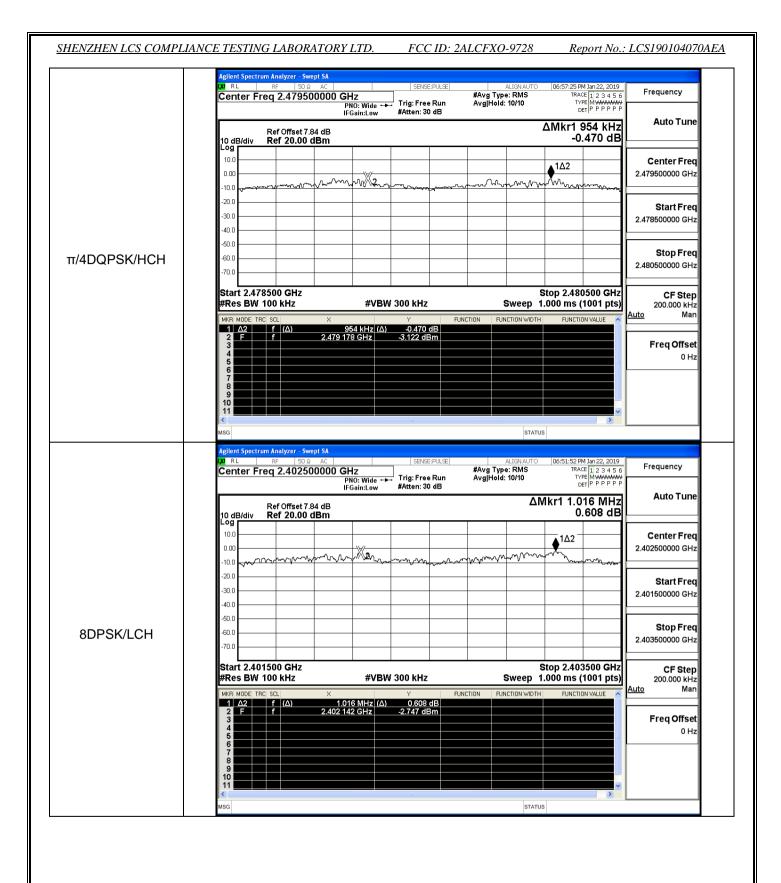
A.3 Carrier Frequency Separation

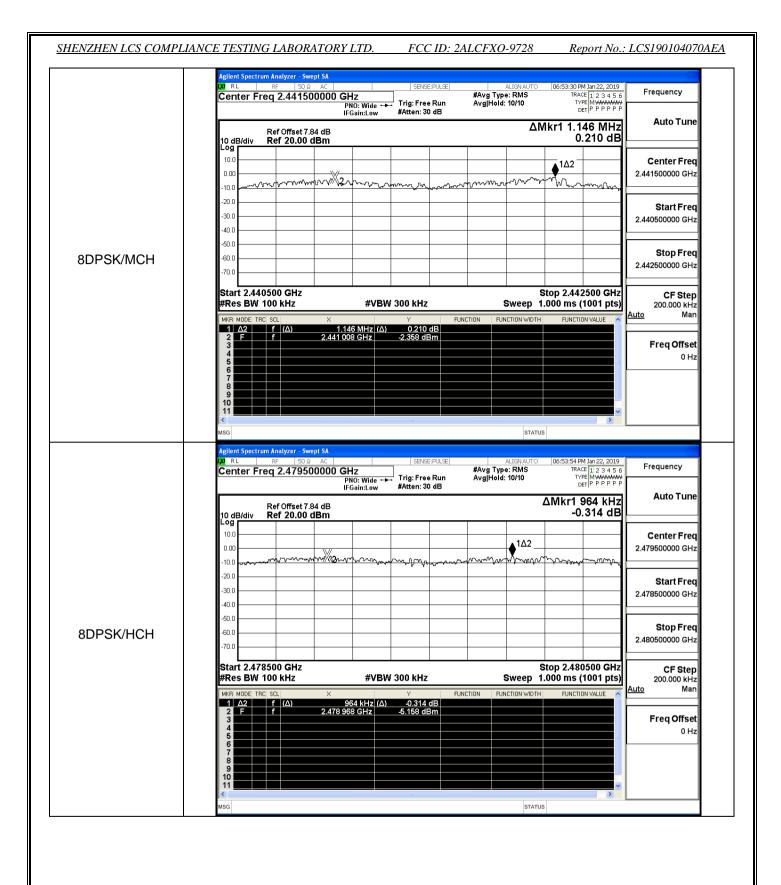
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.893	0.691	PASS
GFSK	MCH	1.006	0.691	PASS
	HCH	1.014	0.691	PASS
	LCH	0.890	0.873	PASS
π/4DQPSK	MCH	0.930	0.873	PASS
	НСН	0.954	0.873	PASS
	LCH	1.016	0.865	PASS
8DPSK	SK MCH 1.146		0.865	PASS
	HCH	0.964	0.865	PASS





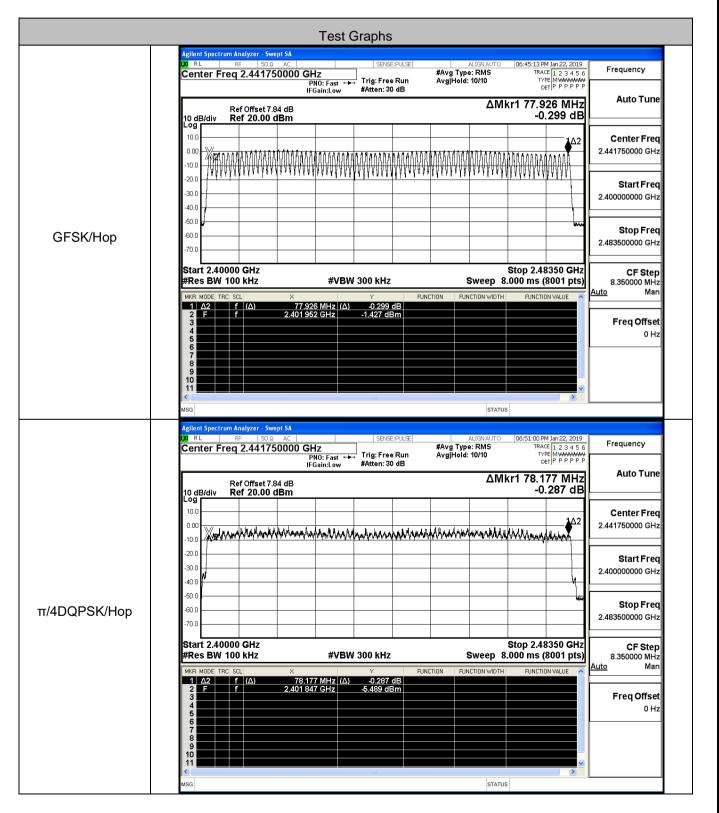






A.4 Hopping Channel Number

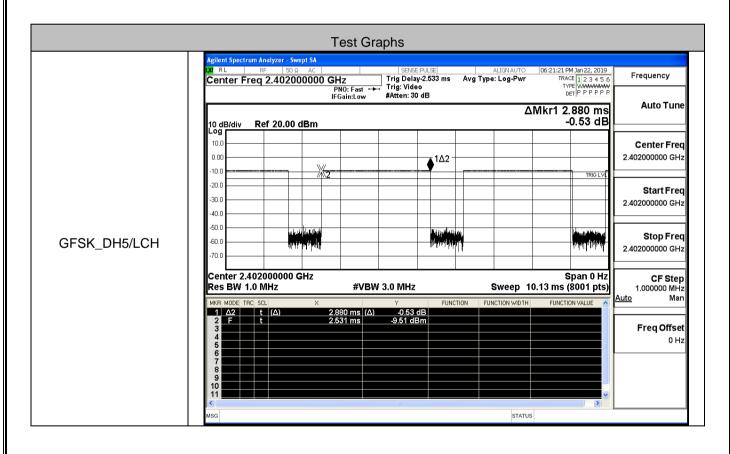
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

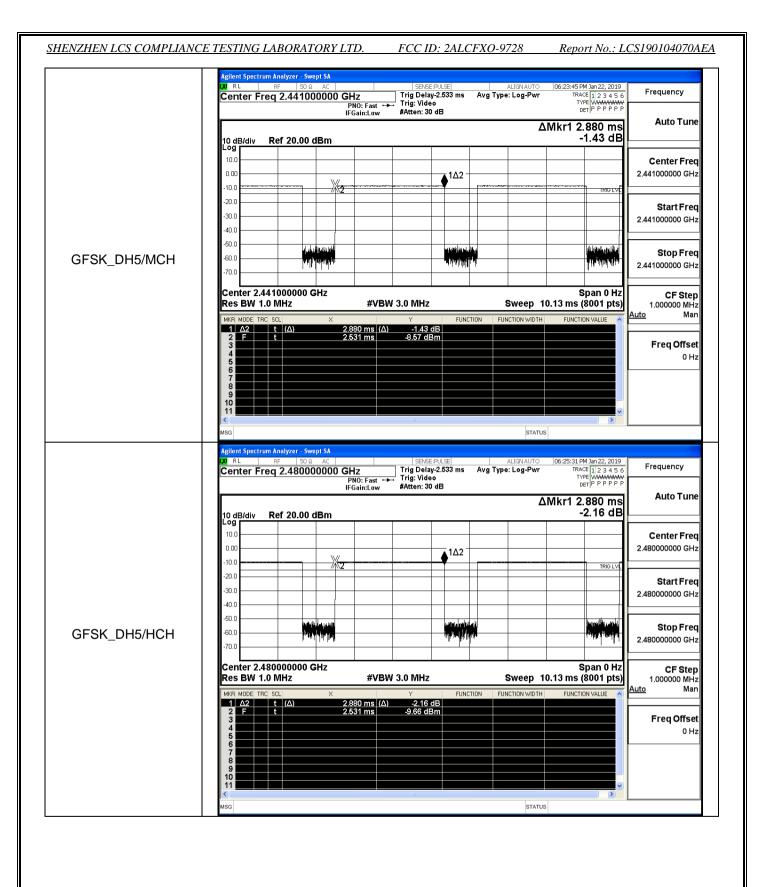


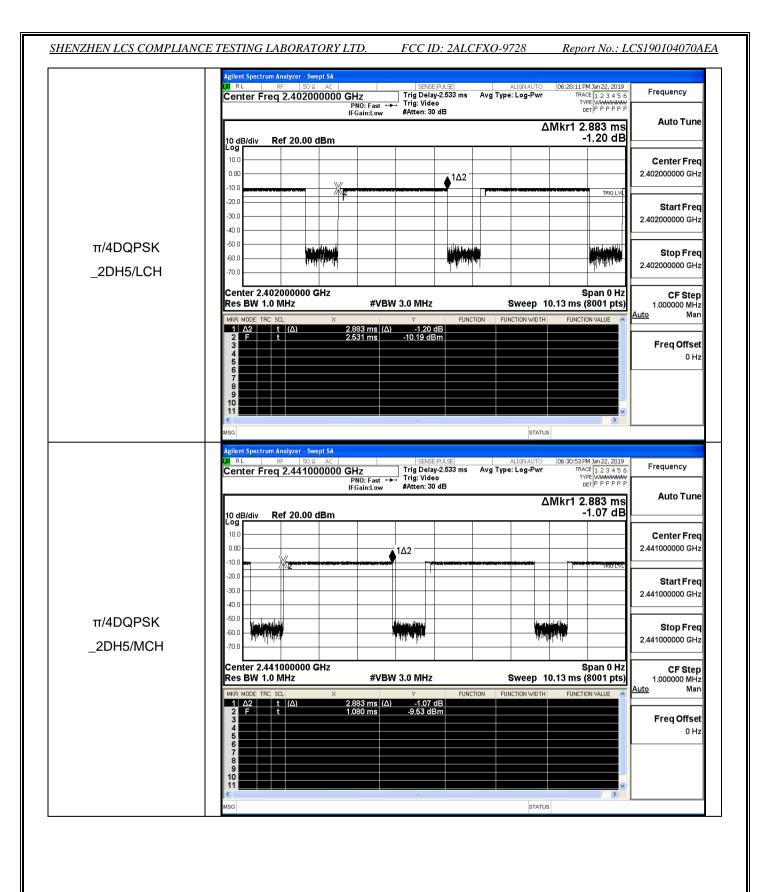
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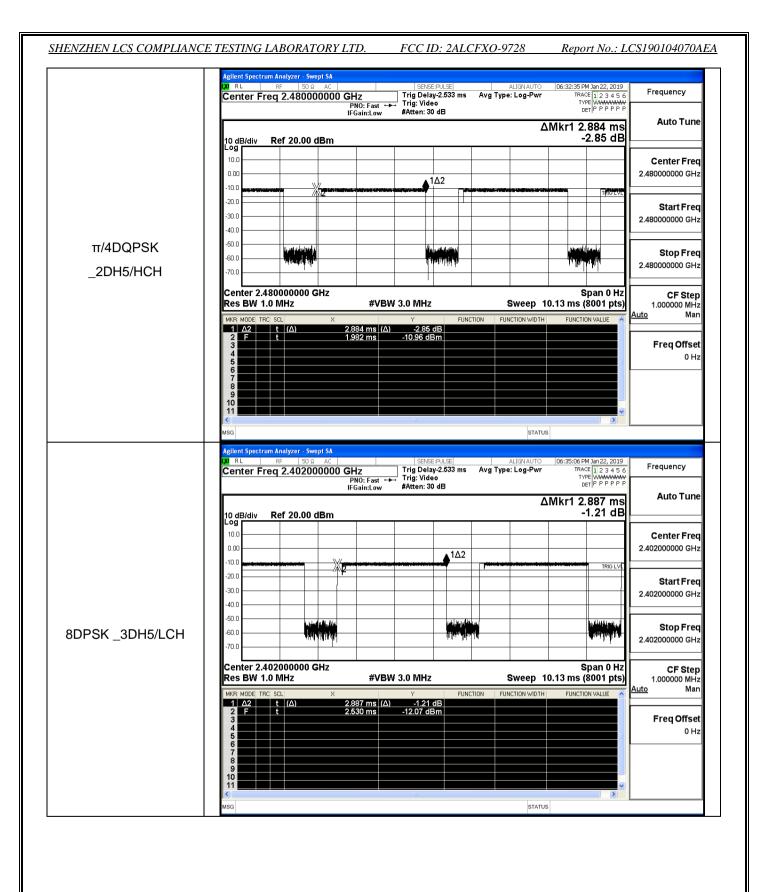
A.5 Dwell Time

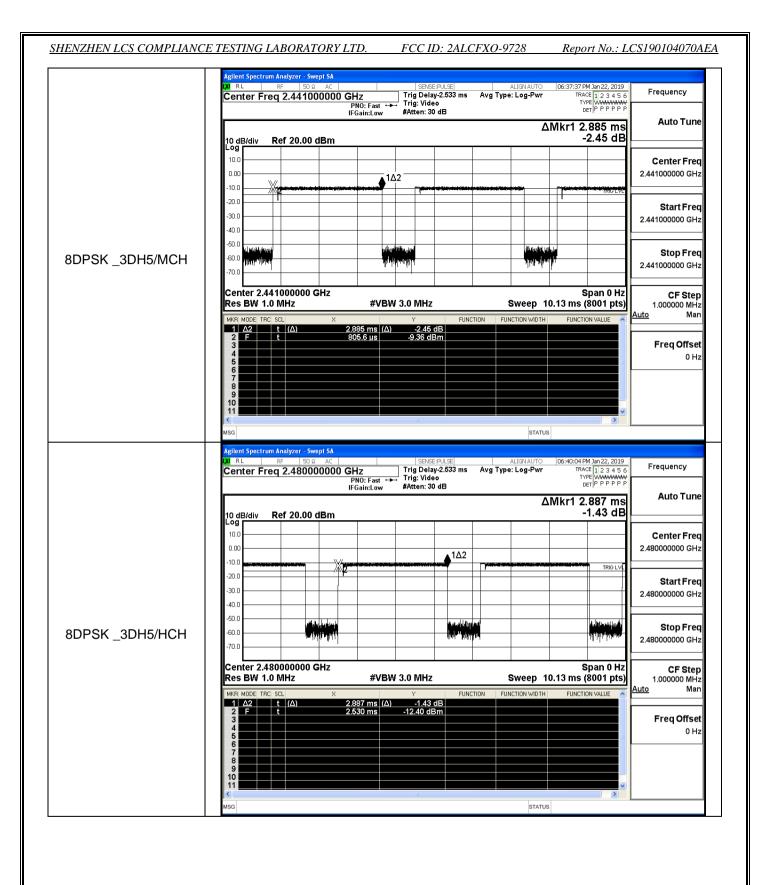
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5 HCH		2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





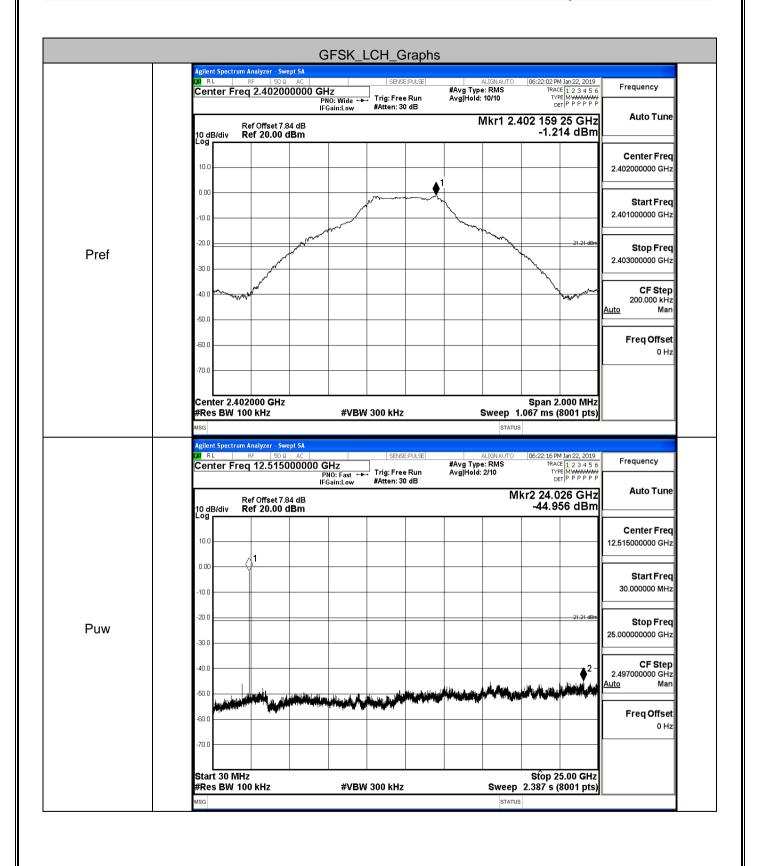


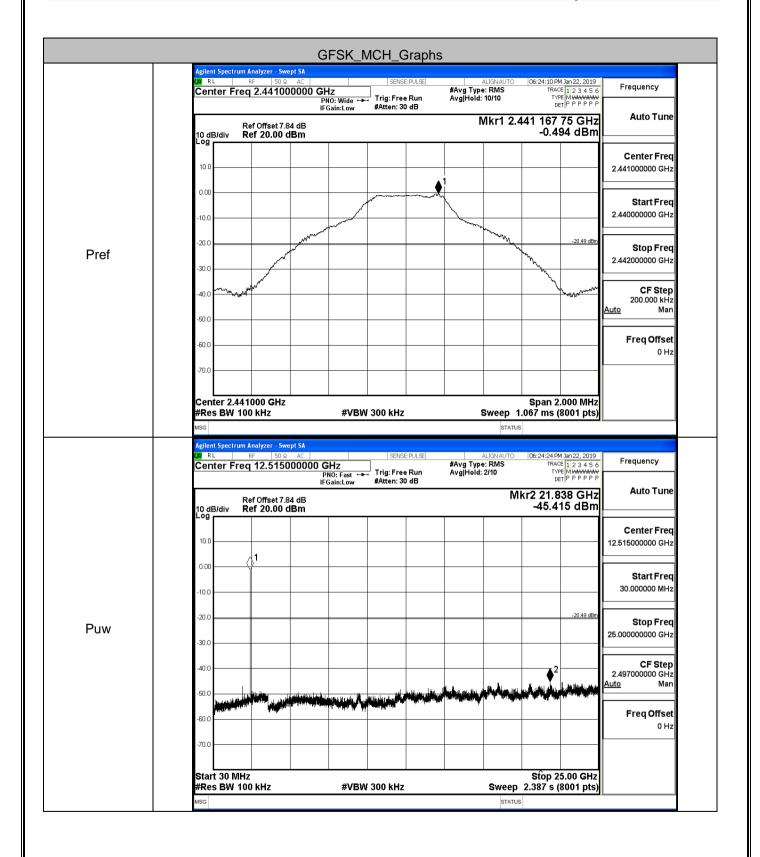


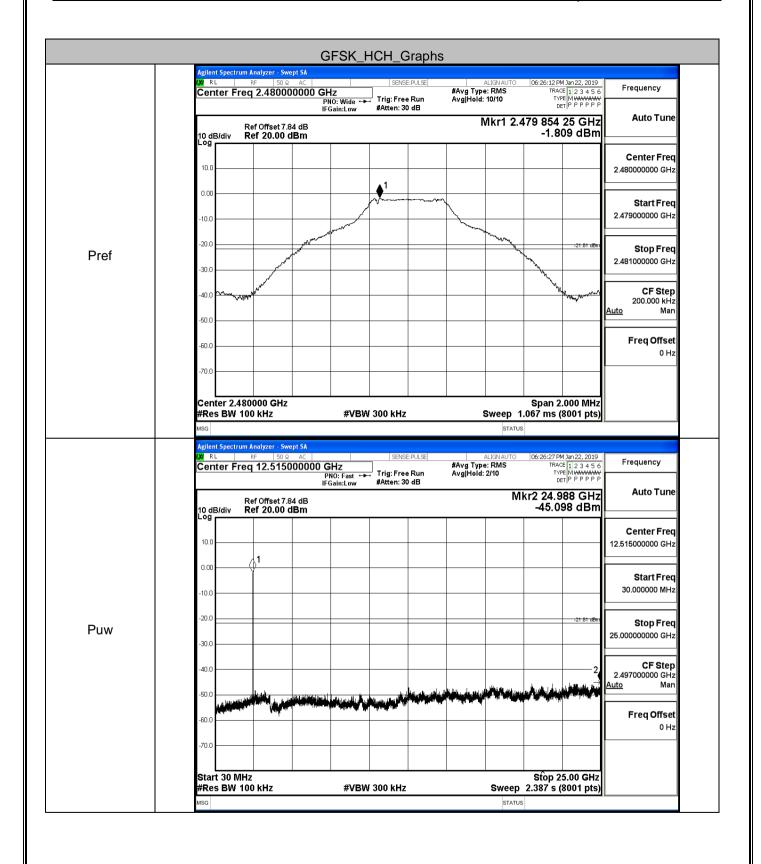


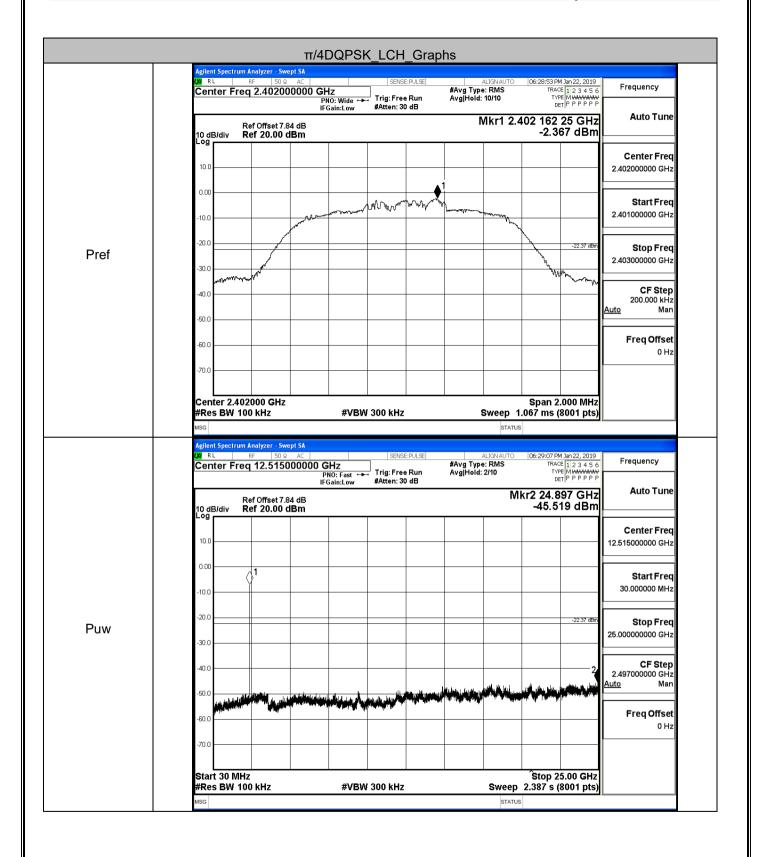
A.6 RF Conducted Spurious Emissions

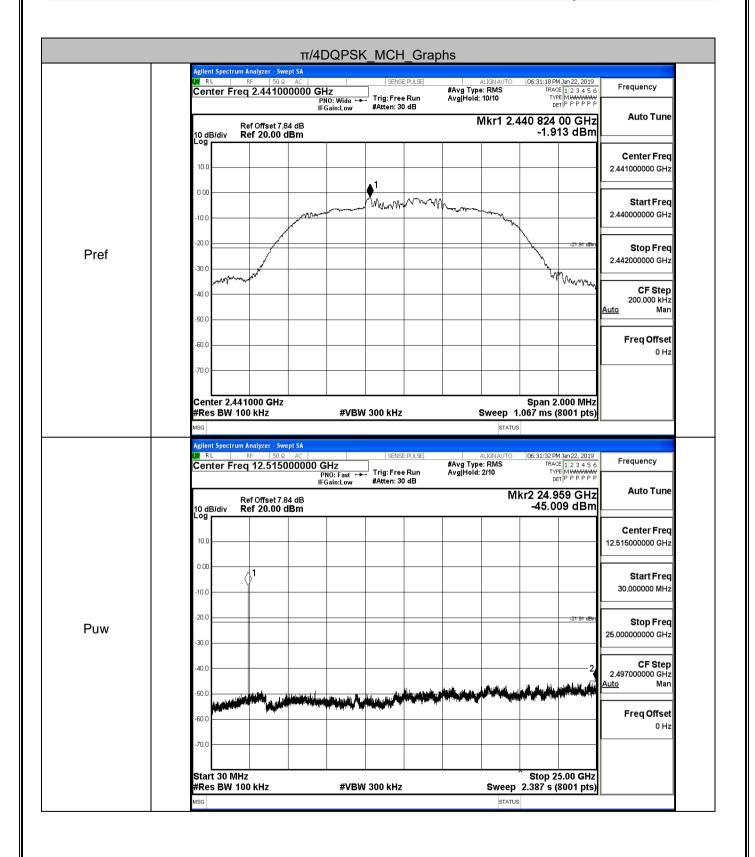
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.214	-44.956	-21.214	PASS
GFSK	MCH	-0.494	-45.415	-20.494	PASS
	НСН	-1.809	-45.098	-21.809	PASS
	LCH	-2.367	-45.519	-22.367	PASS
π/4DQPSK	MCH	-1.913	-45.009	-21.913	PASS
	HCH	-2.776	-44.576	-22.776	PASS
	LCH	-2.685	-45.372	-22.685	PASS
8DPSK	MCH	-1.539	-44.814	-21.539	PASS
	НСН	-3.386	-45.743	-23.386	PASS

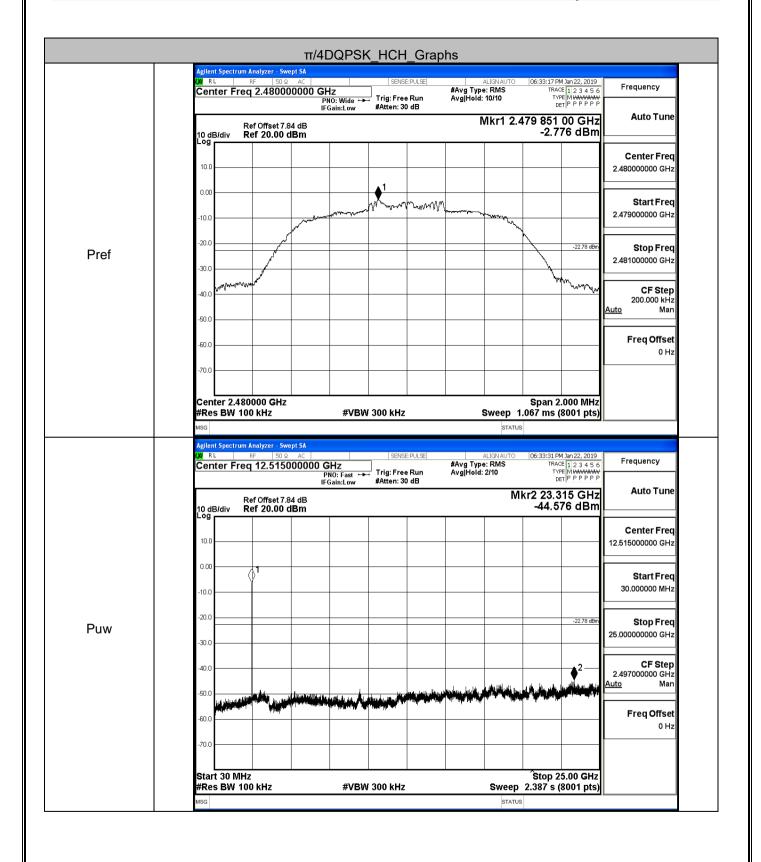


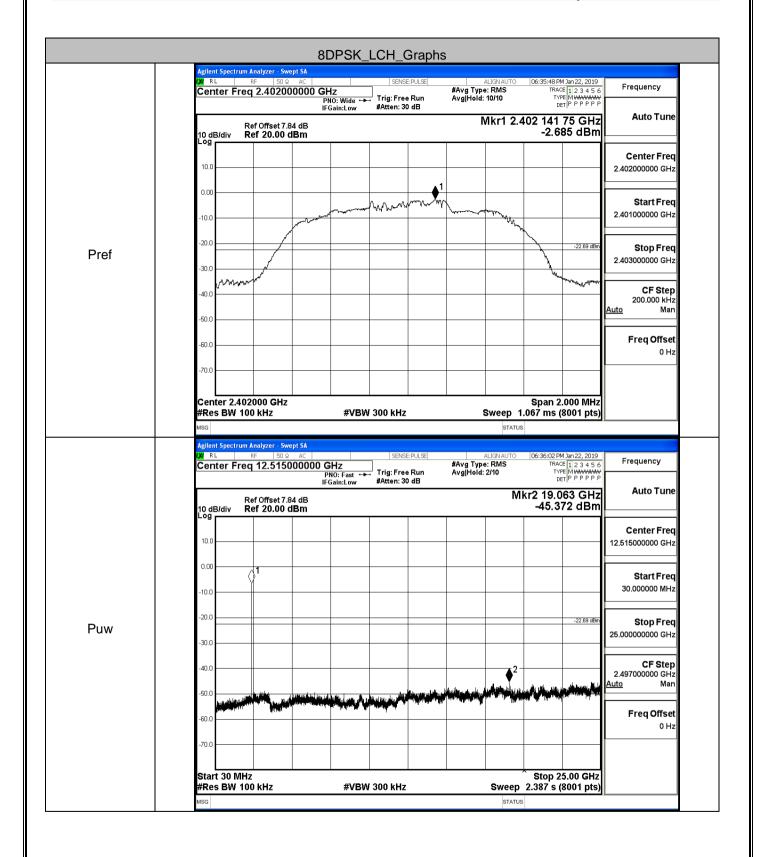


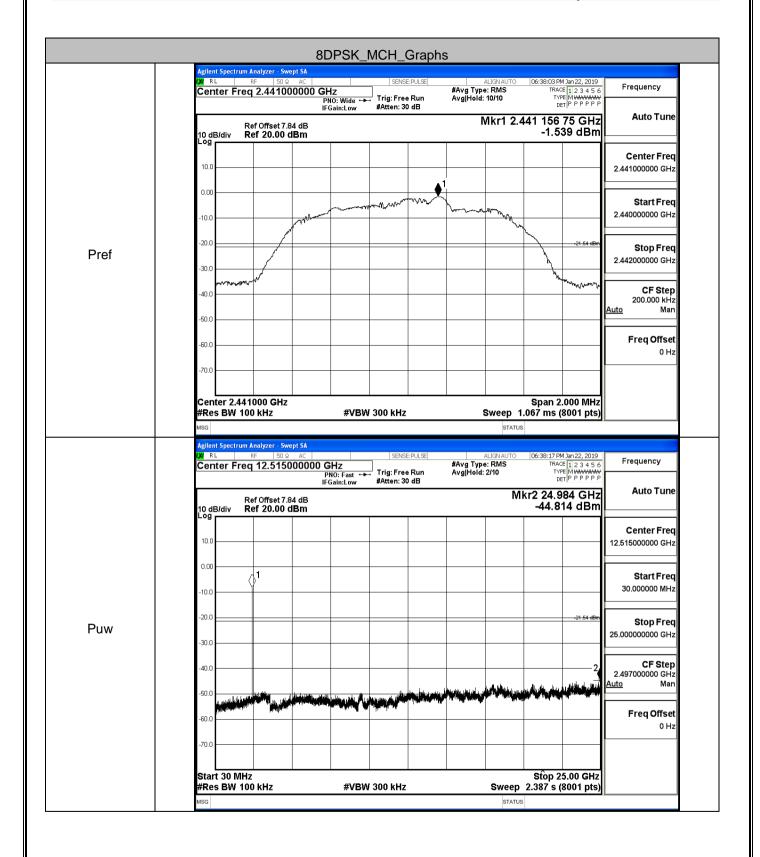


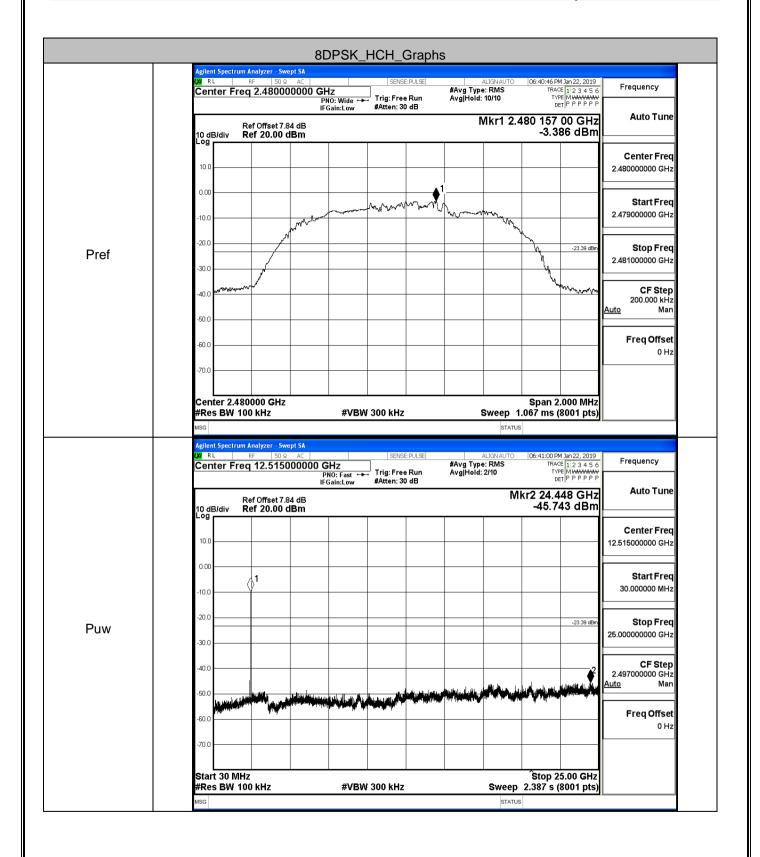






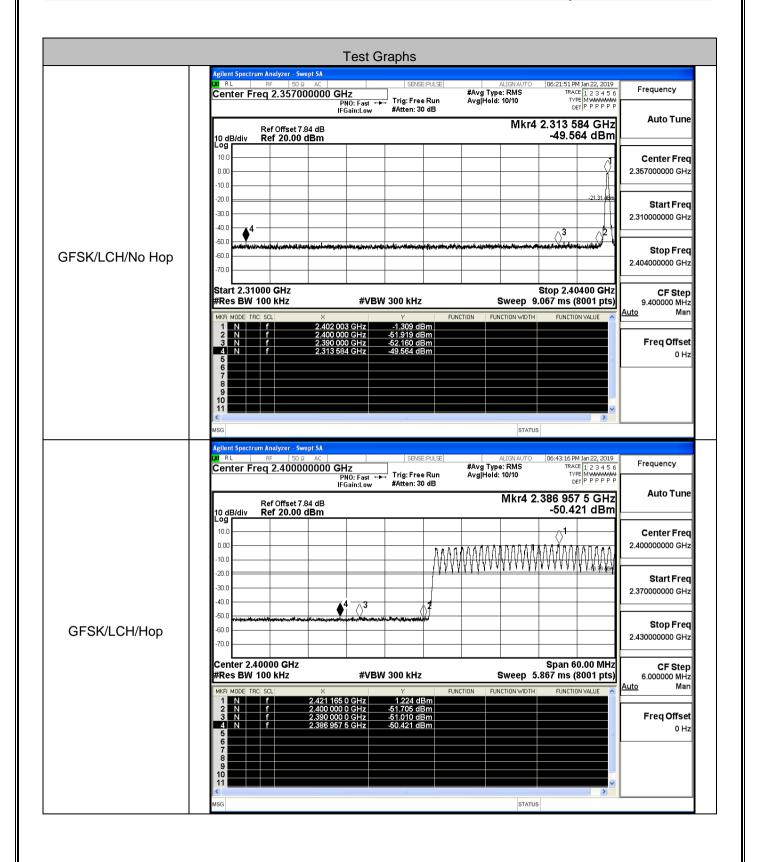


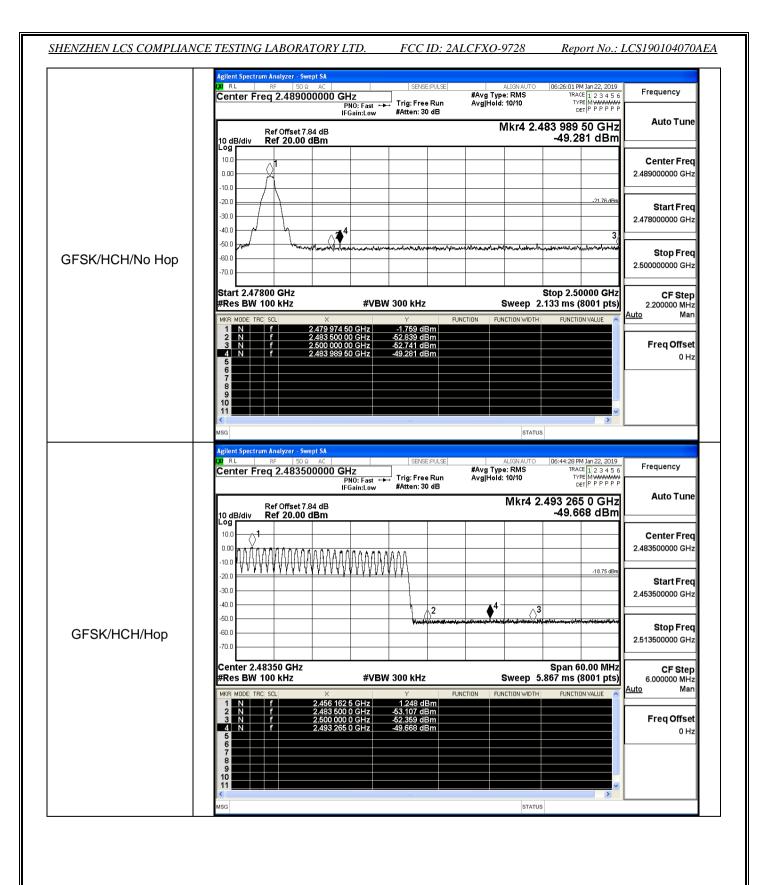


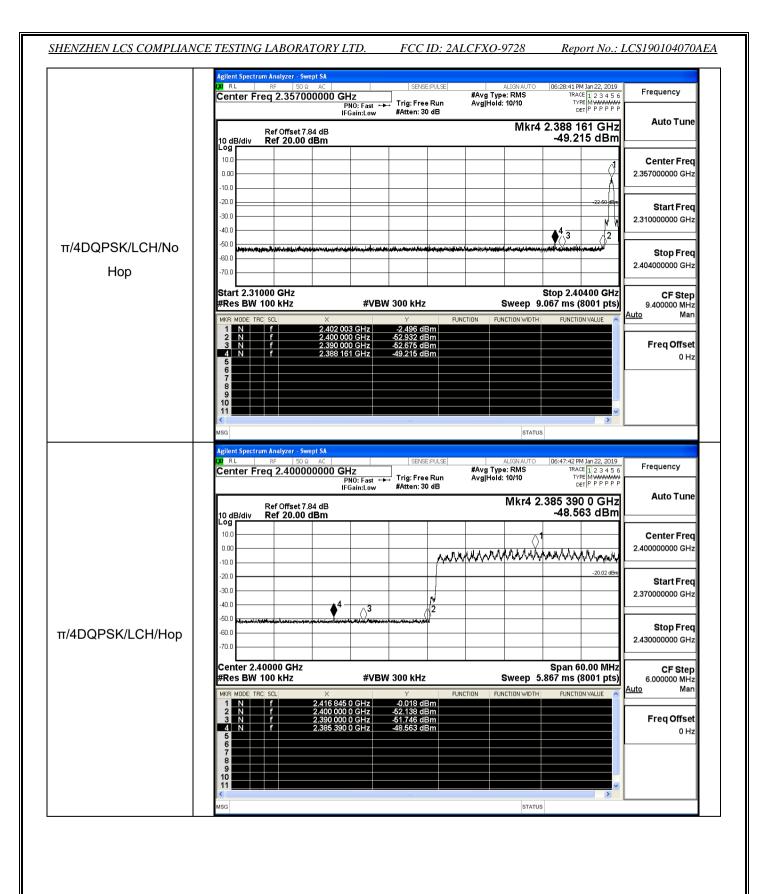


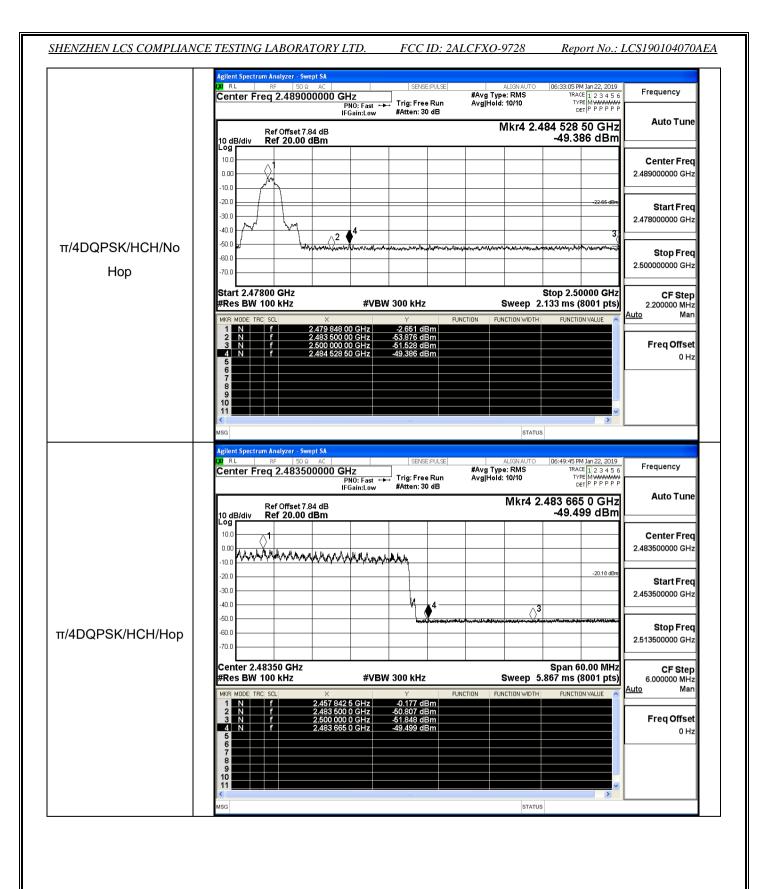
A.7 Band-edge for RF Conducted Emissions

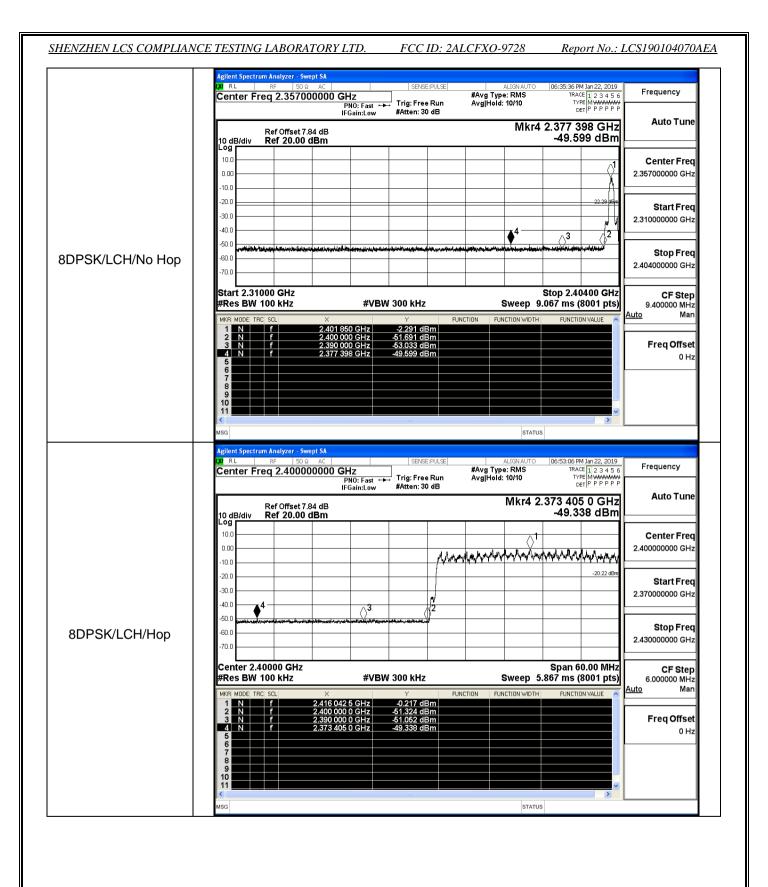
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
			-1.309	Off	-49.564	-21.31	PASS
2-21/	LCH	2402	1.224	On	-50.421	-18.78	PASS
GFSK		2480	-1.759	Off	-49.281	-21.76	PASS
	HCH		1.248	On	-49.668	-18.75	PASS
	LCH	2402	-2.496	Off	-49.215	-22.5	PASS
			-0.018	On	-48.563	-20.02	PASS
π/4DQPSK	НСН		-2.651	Off	-49.386	-22.65	PASS
		HCH 2480	-0.177	On	-49.499	-20.18	PASS
			-2.291	Off	-49.599	-22.29	PASS
	LCH	2402	-0.217	On	-49.338	-20.22	PASS
8DPSK			-2.631	Off	-50.020	-22.63	PASS
	HCH	2480	-0.575	On	-48.721	-20.58	PASS

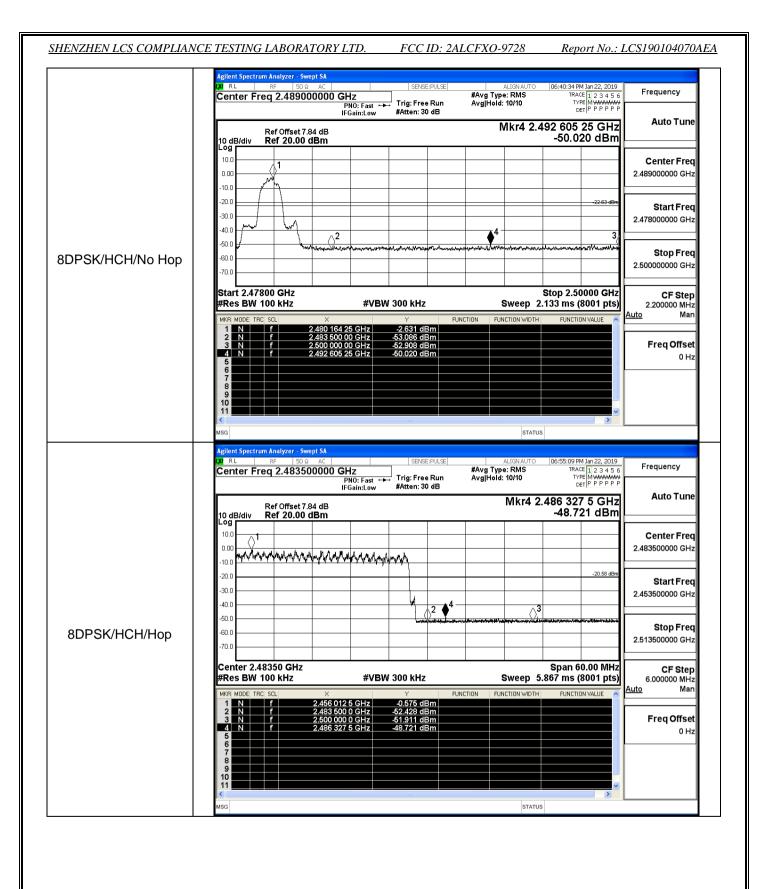






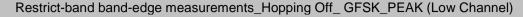


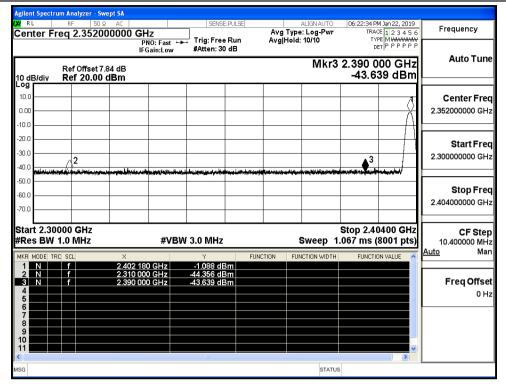




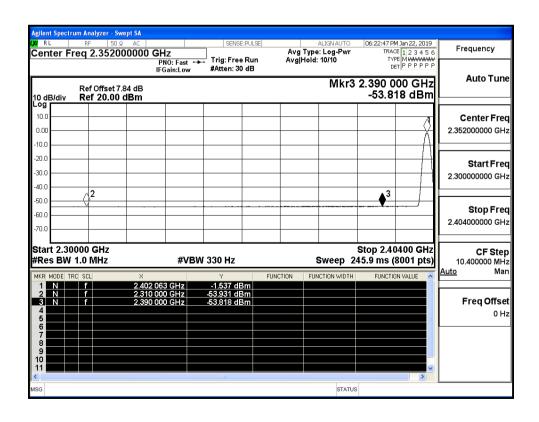
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.36	3.0	0	53.9	PEAK	74	PASS
	Off	2310.0	-53.93	3.0	0	44.33	AV	54	PASS
	Off	2390.0	-43.64	3.0	0	54.62	PEAK	74	PASS
	Off	2390.0	-53.82	3.0	0	44.44	AV	54	PASS
GFSK	Off	2483.5	-42.85	3.0	0	55.41	PEAK	74	PASS
	Off	2483.5	-53.54	3.0	0	44.72	AV	54	PASS
	Off	2500.0	-43.03	3.0	0	55.23	PEAK	74	PASS
	Off	2500.0	-53.30	3.0	0	44.96	AV	54	PASS
	Off	2310.0	-43.30	3.0	0	54.96	PEAK	74	PASS
	Off	2310.0	-54.00	3.0	0	44.26	AV	54	PASS
	Off	2390.0	-44.43	3.0	0	53.83	PEAK	74	PASS
/4D 0 D01/	Off	2390.0	-53.69	3.0	0	44.57	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.76	3.0	0	55.5	PEAK	74	PASS
	Off	2483.5	-53.42	3.0	0	44.84	AV	54	PASS
	Off	2500.0	-43.50	3.0	0	54.76	PEAK	74	PASS
	Off	2500.0	-53.34	3.0	0	44.92	AV	54	PASS
	Off	2310.0	-43.94	3.0	0	54.32	PEAK	74	PASS
	Off	2310.0	-54.02	3.0	0	44.24	AV	54	PASS
	Off	2390.0	-44.00	3.0	0	54.26	PEAK	74	PASS
	Off	2390.0	-53.61	3.0	0	44.65	AV	54	PASS
8DPSK	Off	2483.5	-43.39	3.0	0	54.87	PEAK	74	PASS
	Off	2483.5	-53.36	3.0	0	44.9	AV	54	PASS
	Off	2500.0	-43.78	3.0	0	54.48	PEAK	74	PASS
	Off	2500.0	-53.32	3.0	0	44.94	AV	54	PASS

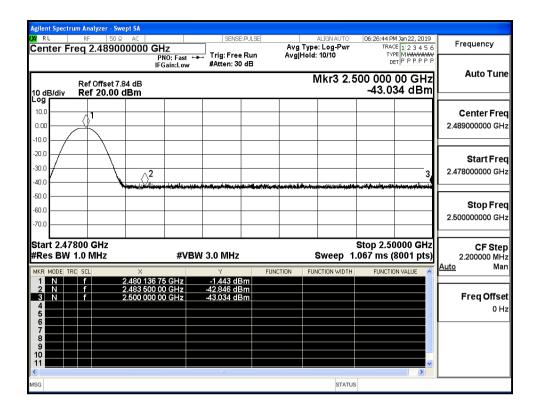




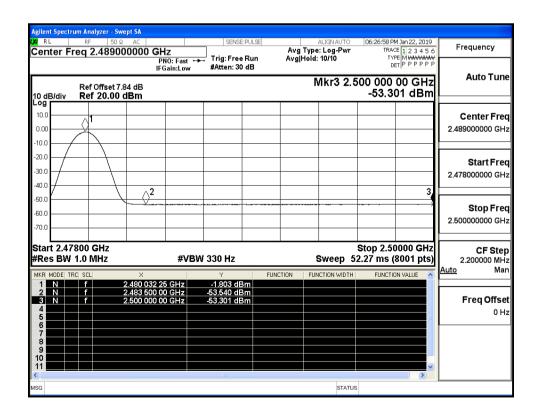
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



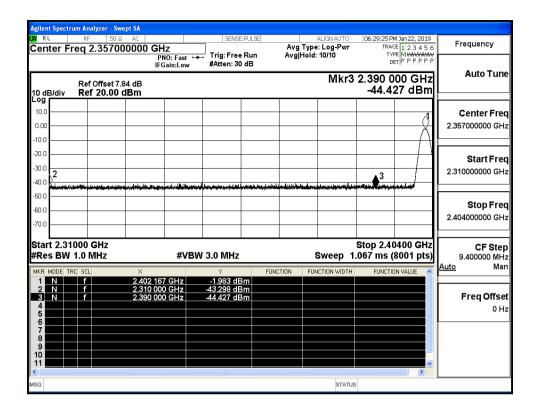
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



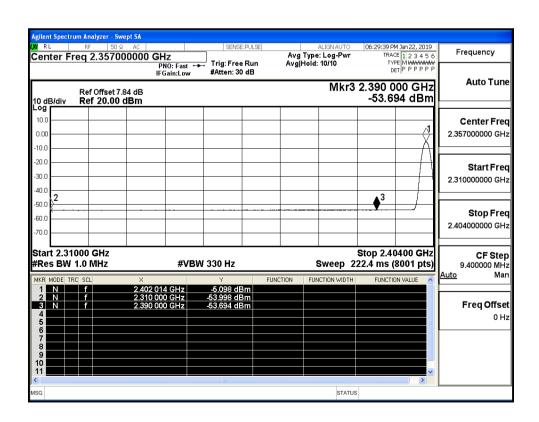
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



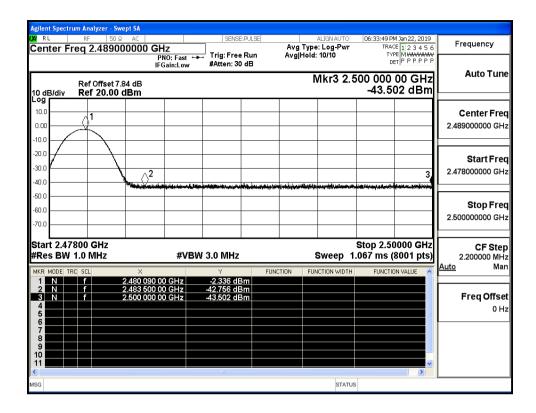
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



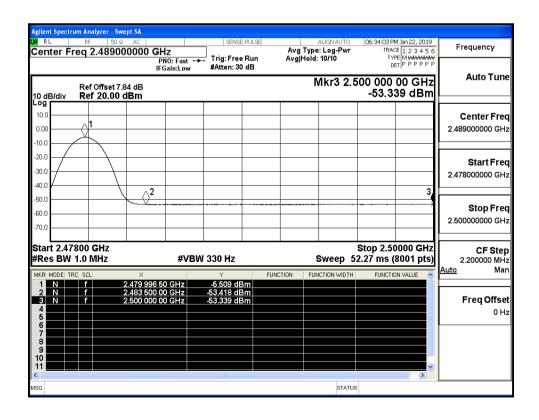
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



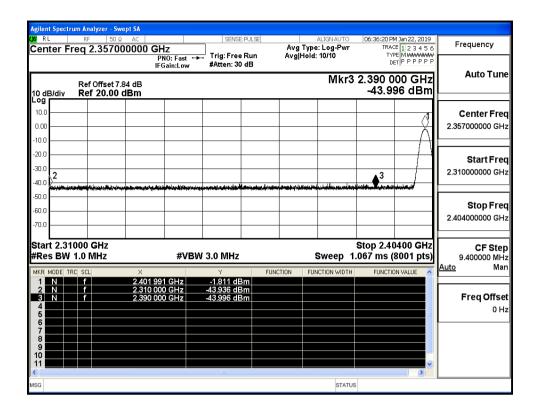
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



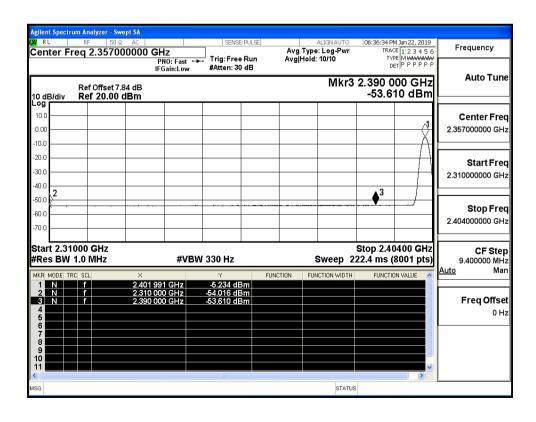
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



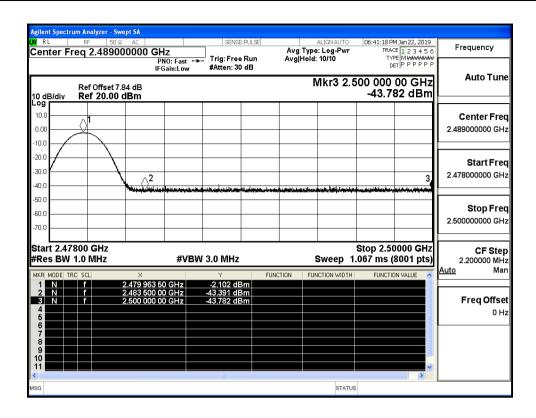
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

