Appendix A

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

Product Name: Kids Bluetooth & ANC headphone

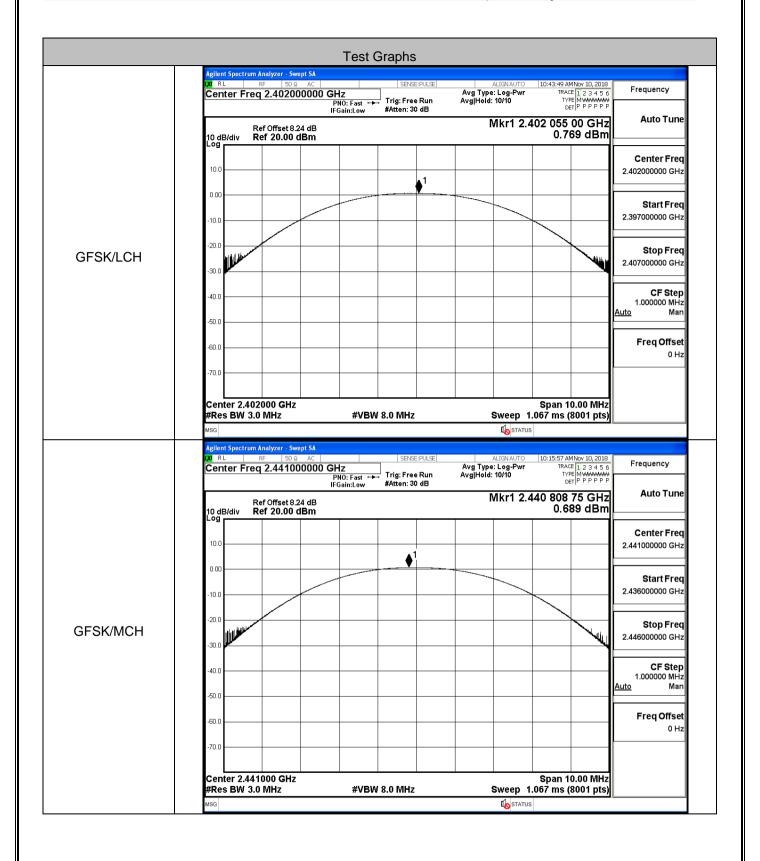
Trade Mark: Purosound Test Model: PuroQuiet

Environmental Conditions

Temperature:	23.9 ° C
Relative Humidity:	54.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

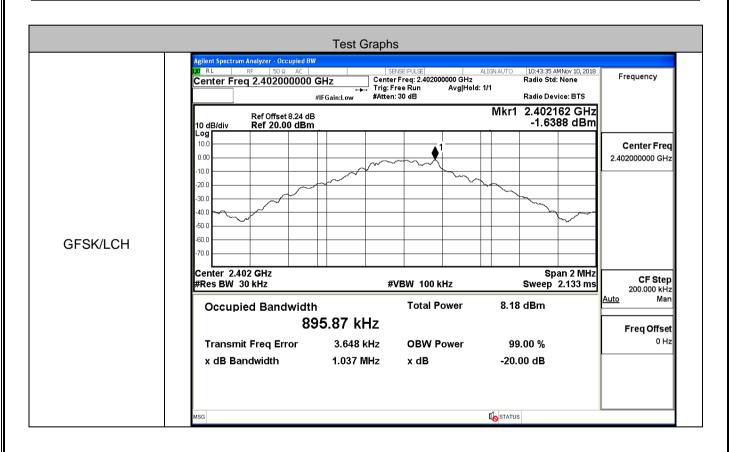
A.1 Maximum Conducted Peak Output Power

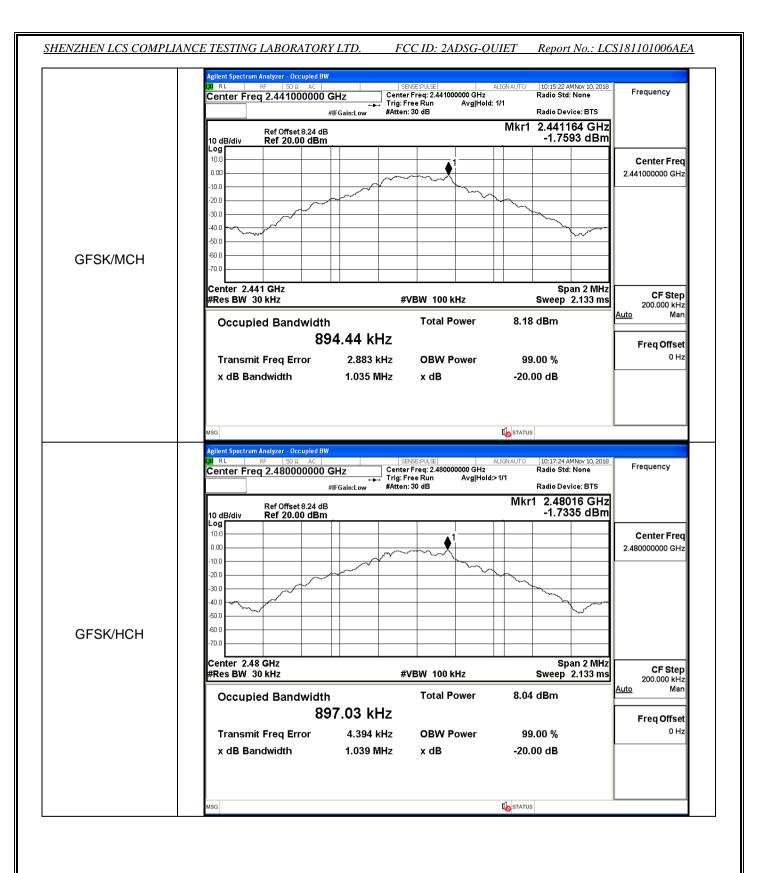
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.769	21	PASS
GFSK	MCH	0.689	21	PASS
	НСН	0.644	21	PASS
	LCH	0.134	21	PASS
π/4DQPSK	MCH	-0.105	21	PASS
	НСН	-0.214	21	PASS
	LCH	0.267	21	PASS
8DPSK	MCH	0.123	21	PASS
	НСН	0.034	21	PASS

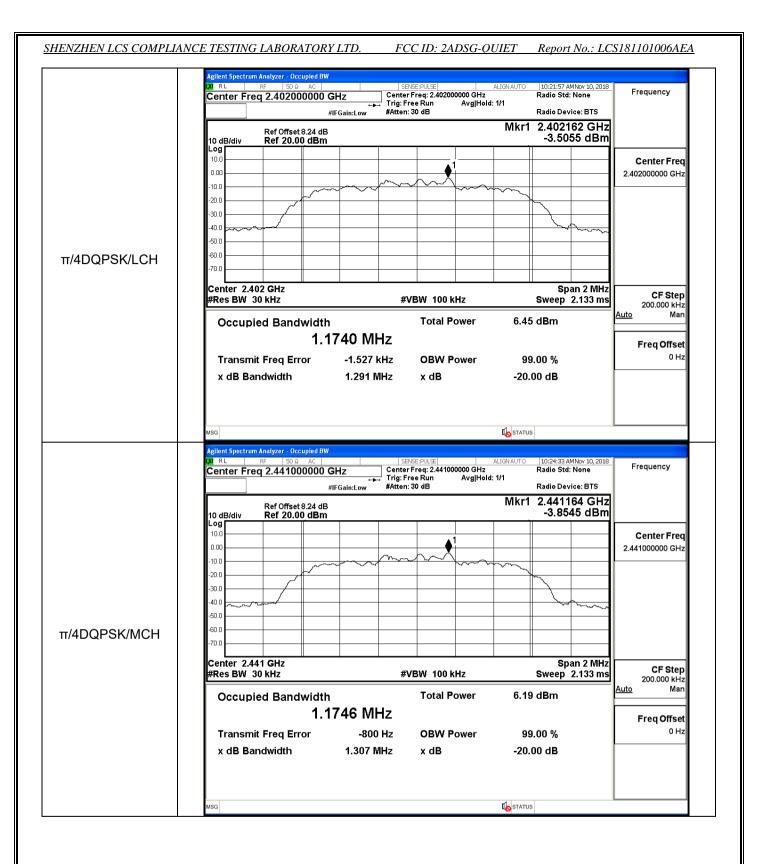


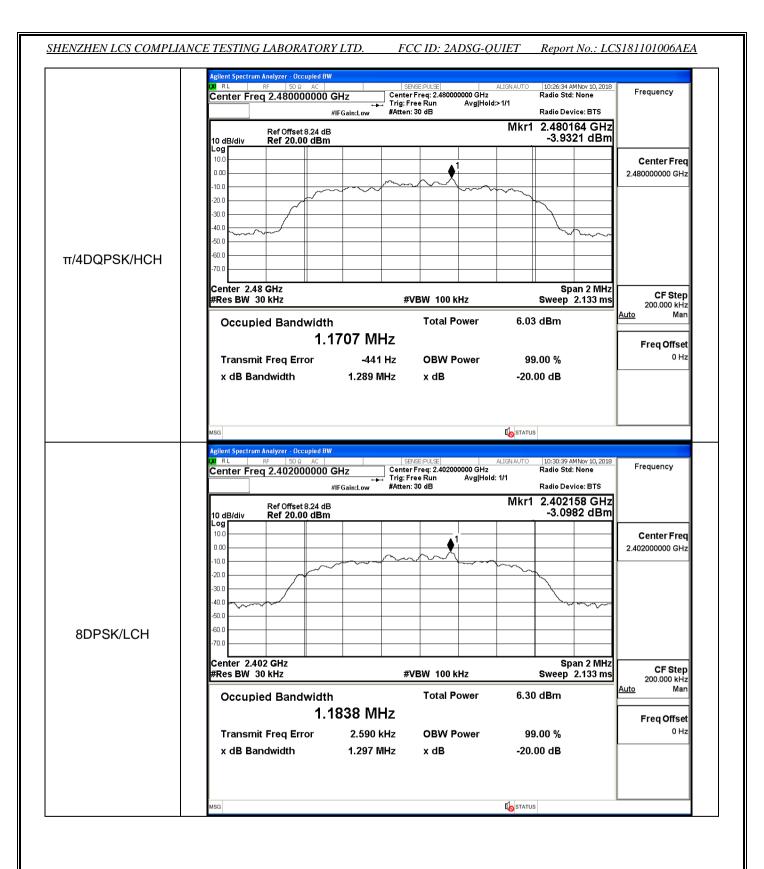
A.2 99% and 20dB Bandwidth

Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.89587	1.037	Not Specified	PASS
GFSK	MCH	0.89444	1.035	Not Specified	PASS
	НСН	0.89703	1.039	Not Specified	PASS
	LCH	1.1740	1.291	Not Specified	PASS
π/4DQPSK	MCH	1.1746	1.307	Not Specified	PASS
	HCH	1.1707	1.289	Not Specified	PASS
	LCH	1.1839	1.297	Not Specified	PASS
8DPSK	MCH	1.1824	1.295	Not Specified	PASS
	HCH	1.1791	1.292	Not Specified	PASS



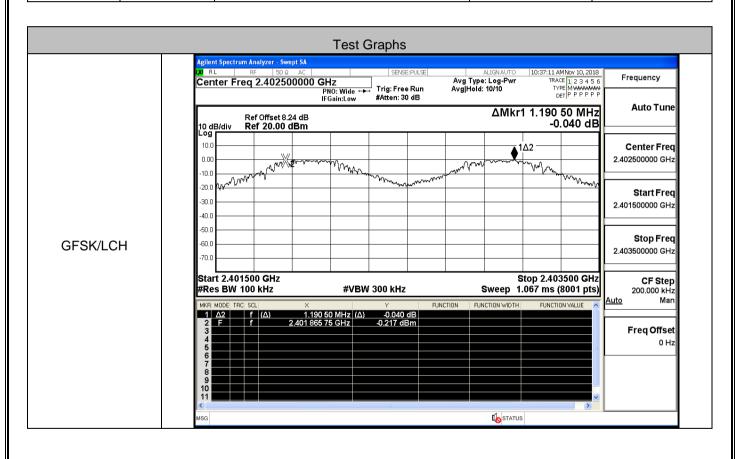


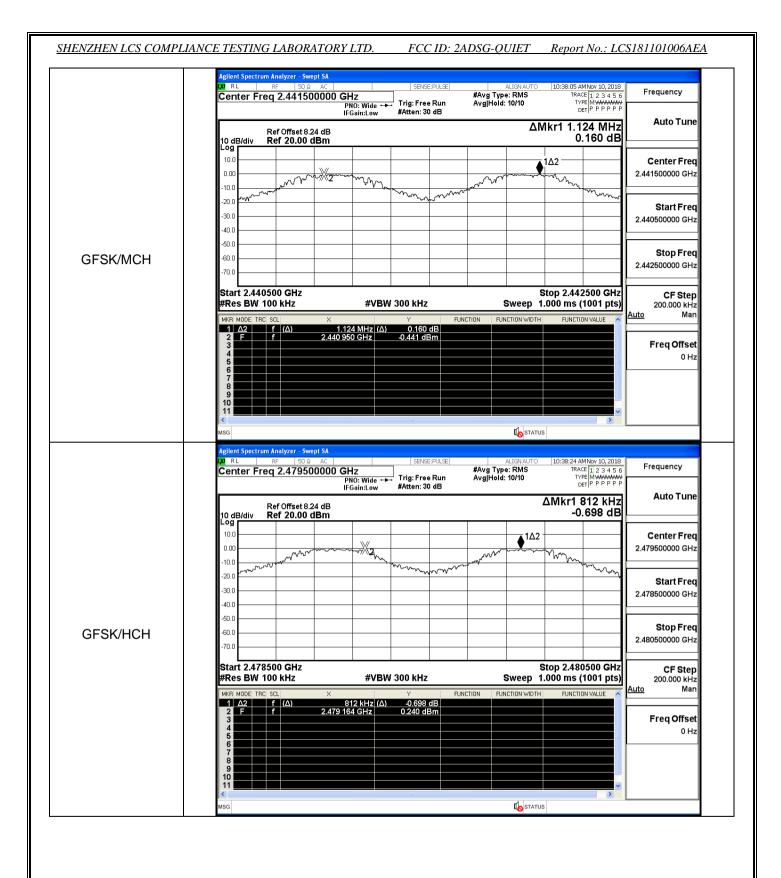


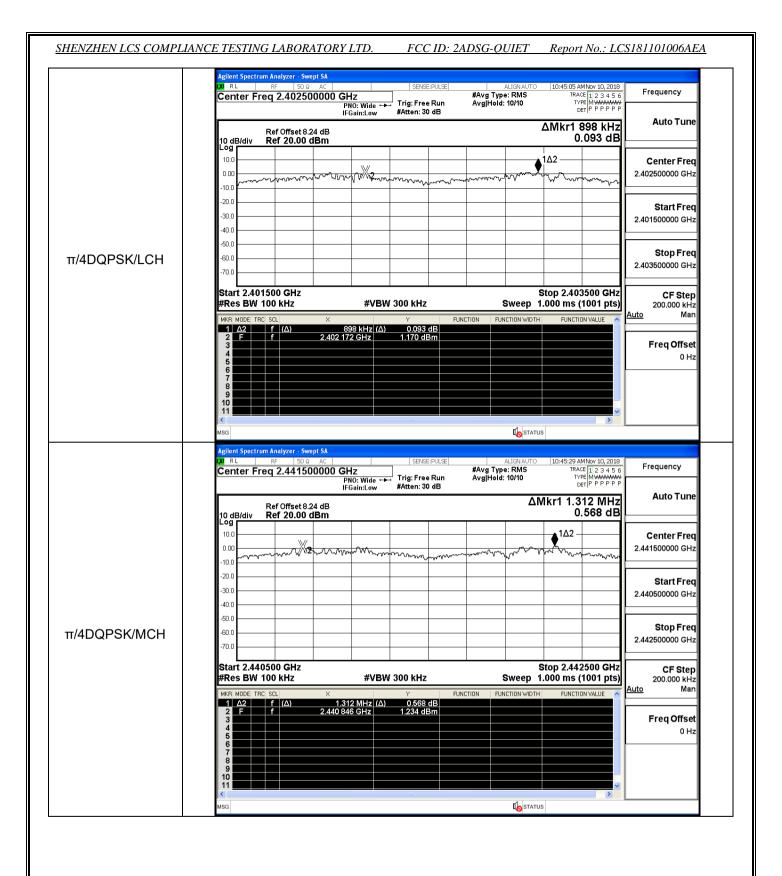


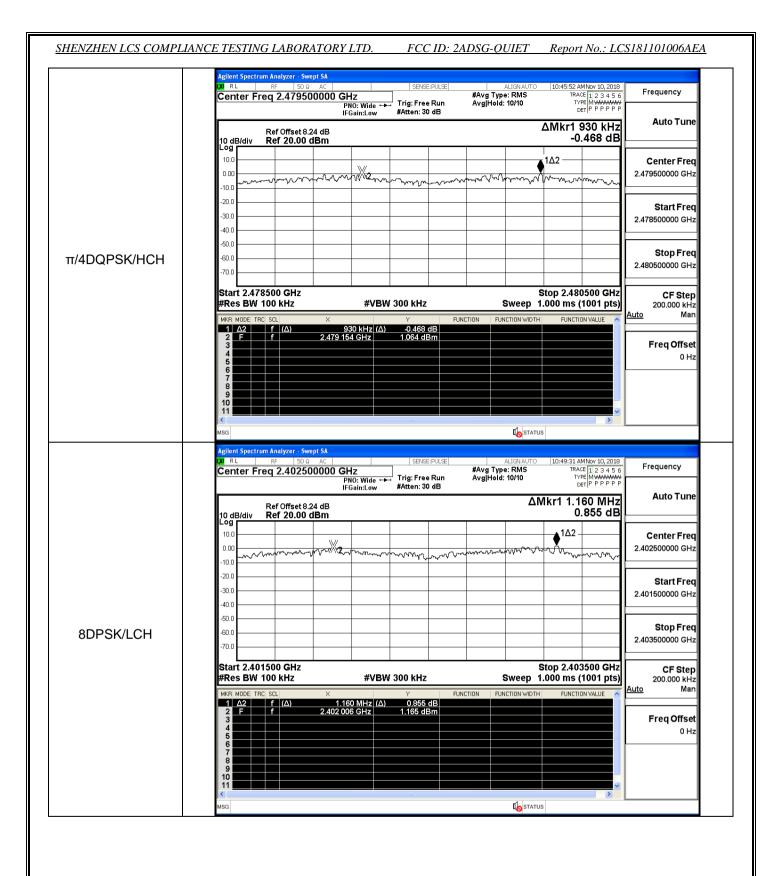
A.3 Carrier Frequency Separation

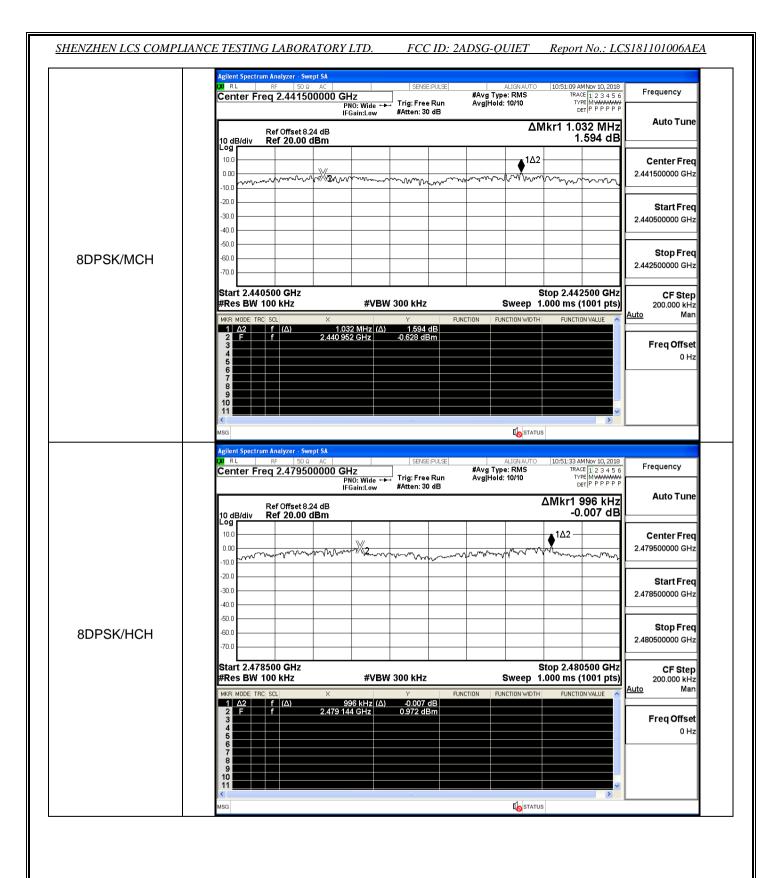
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.191	0.693	PASS
GFSK	MCH	1.124	0.693	PASS
	HCH	0.812	0.693	PASS
	LCH	0.898	0.871	PASS
π/4DQPSK	MCH	1.312	0.871	PASS
	HCH	0.930	0.871	PASS
	LCH	1.160	0.865	PASS
8DPSK	MCH	1.032	0.865	PASS
	HCH	0.996	0.865	PASS





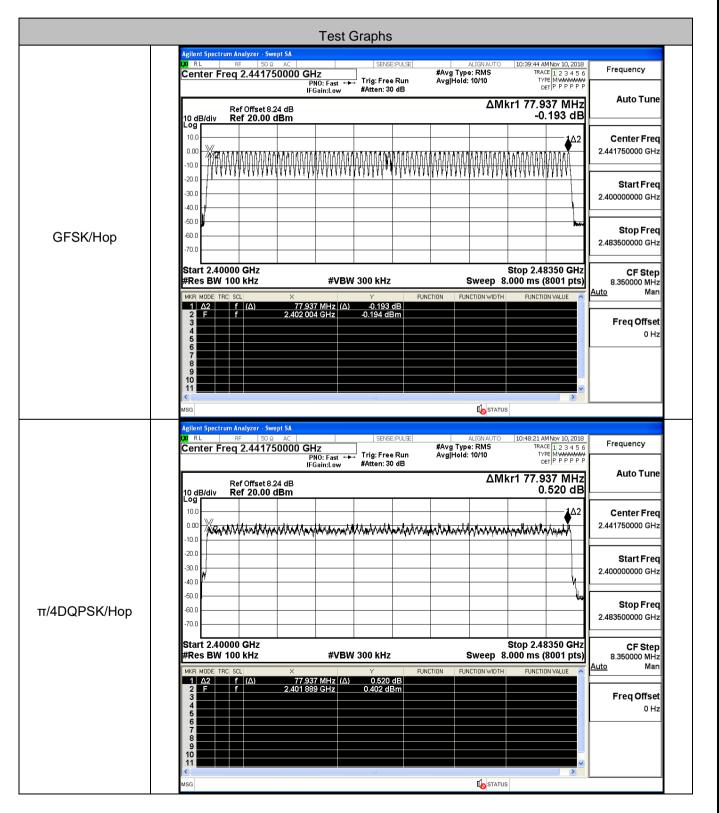


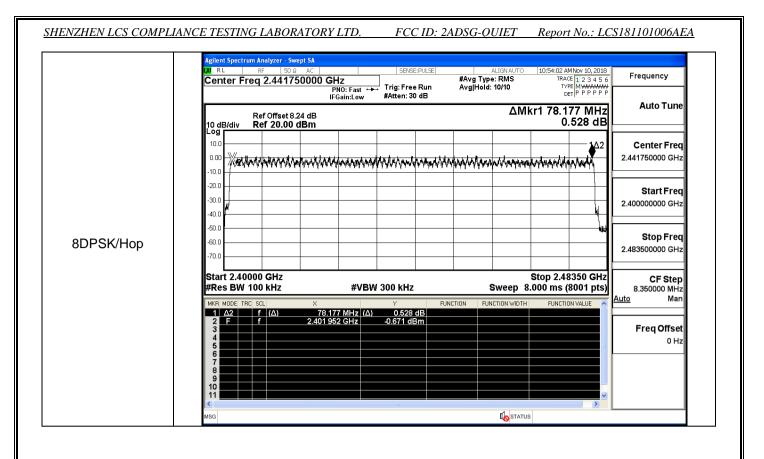




A.4 Hopping Channel Number

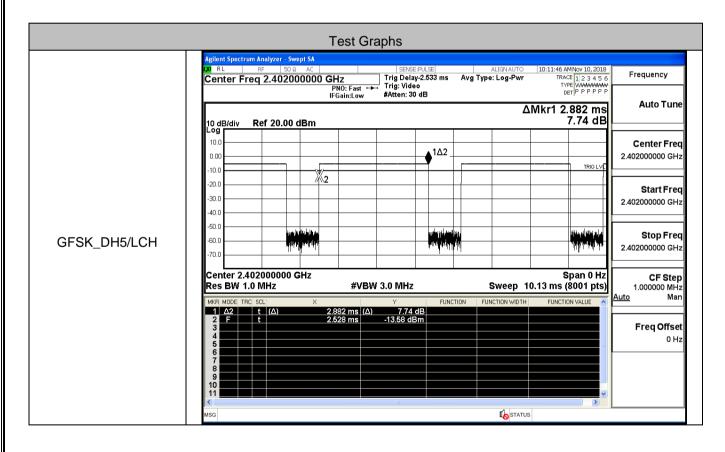
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

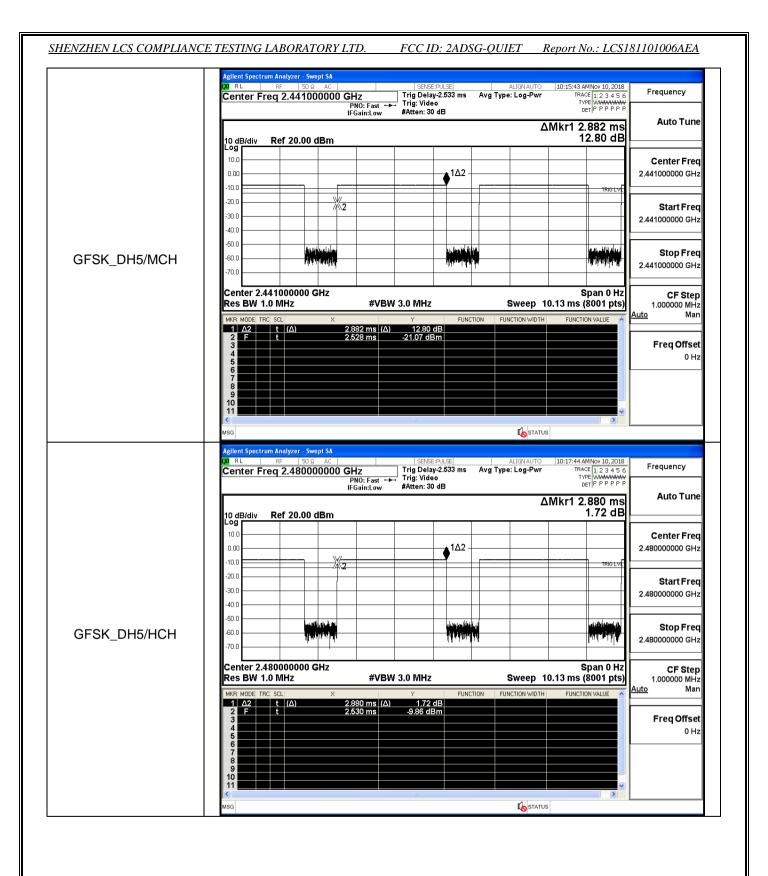


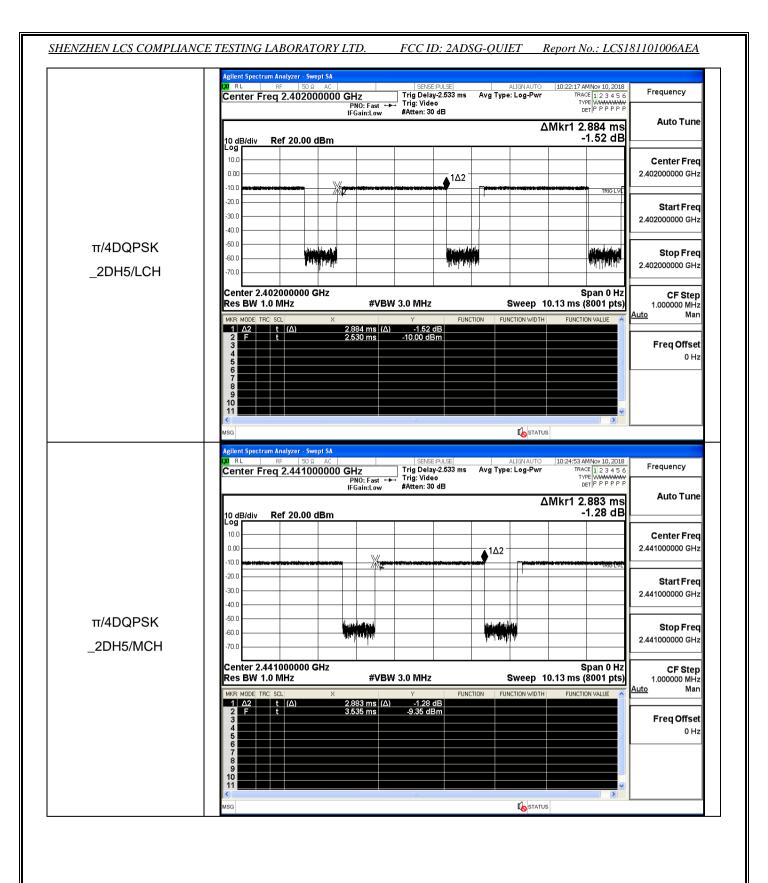


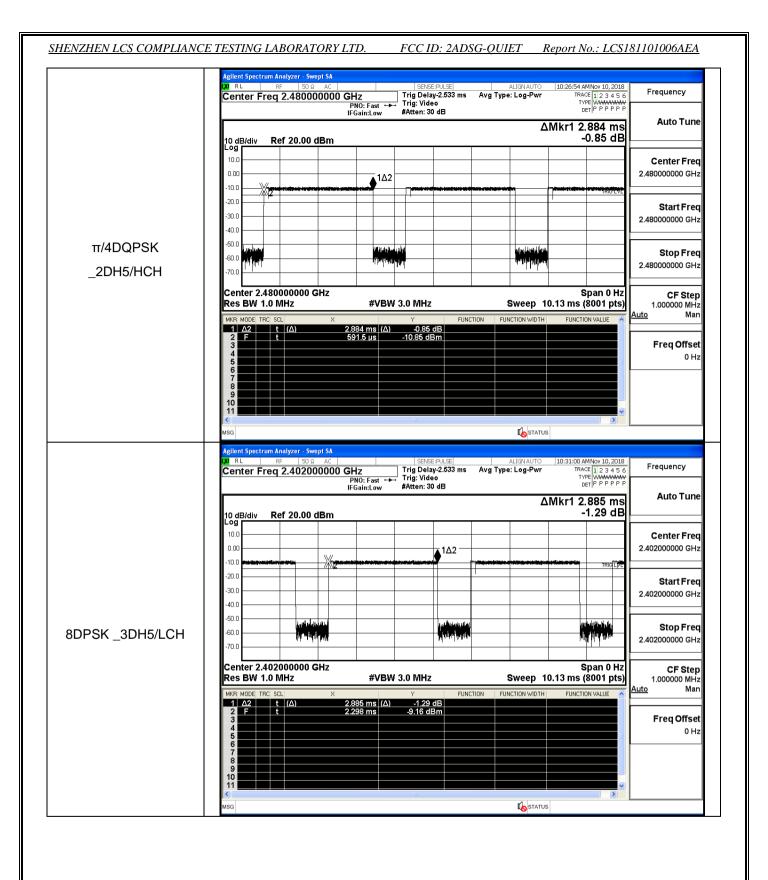
A.5 Dwell Time

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	GFSK DH5 M		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





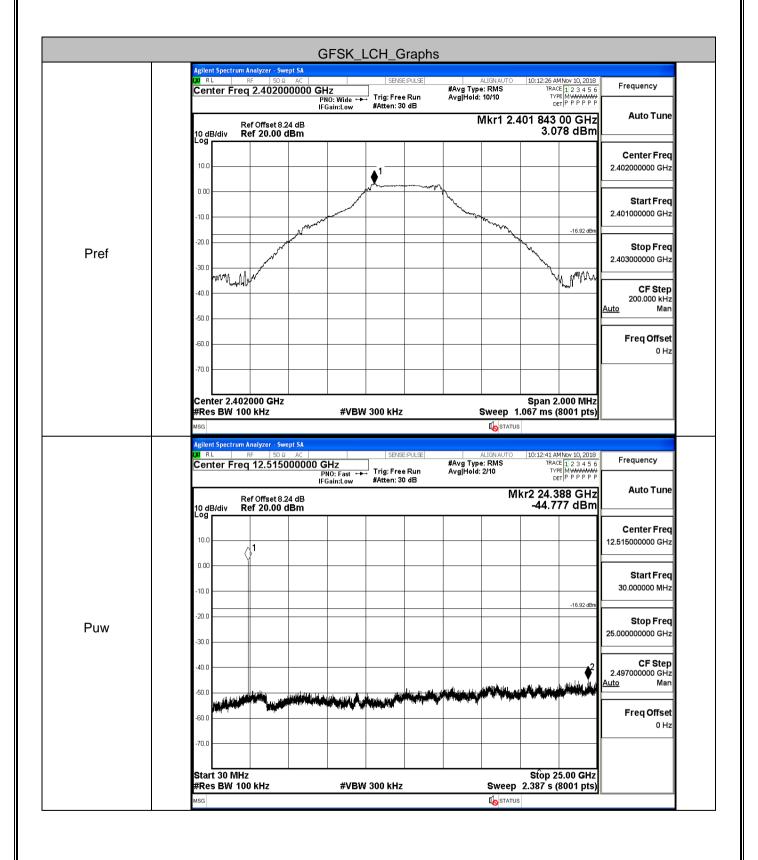


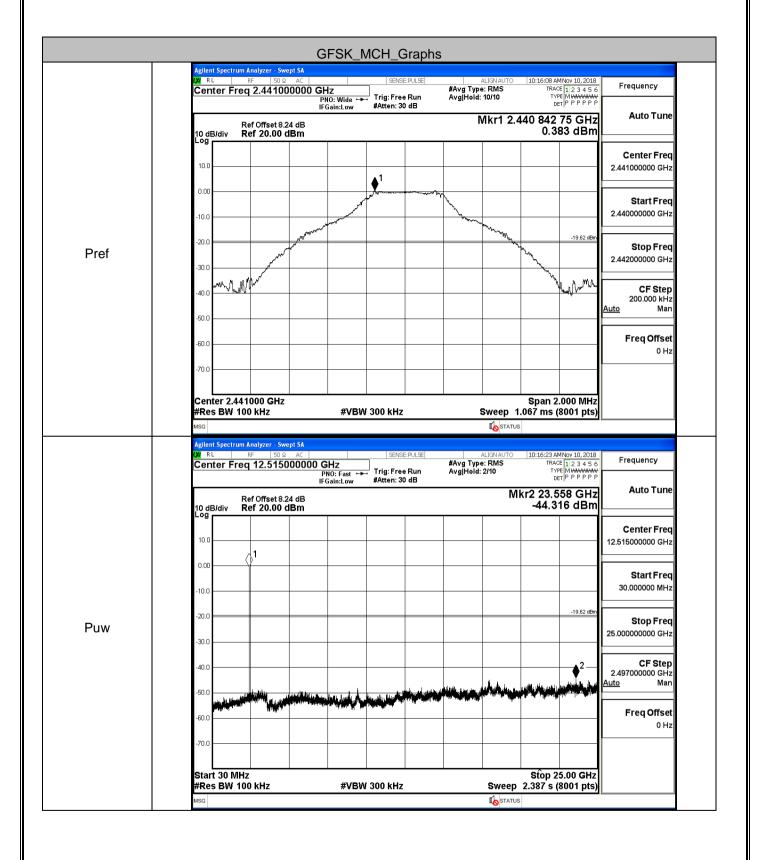


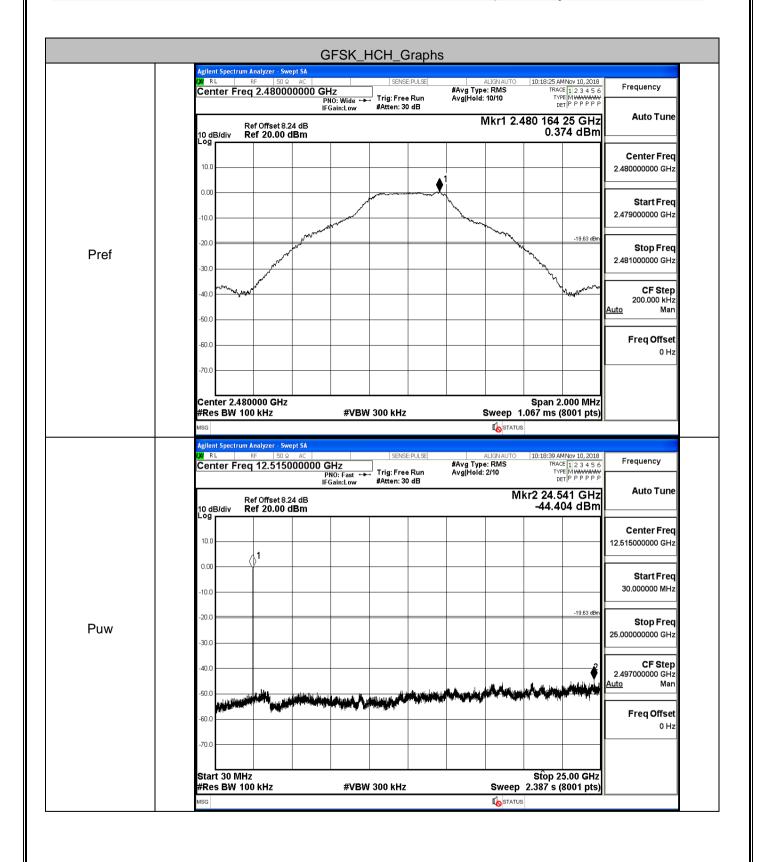


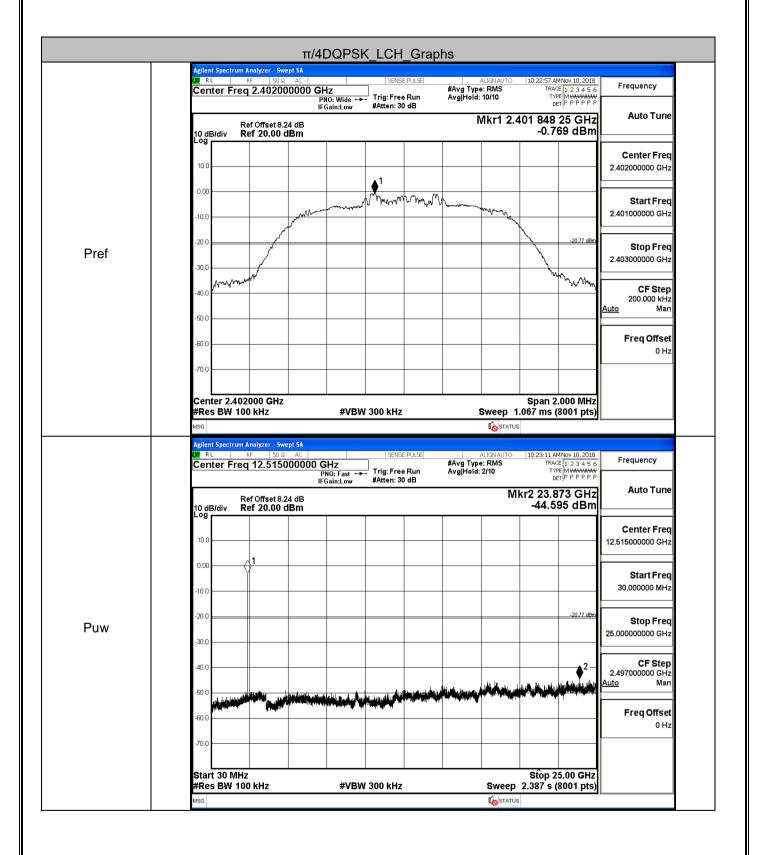
A.6 RF Conducted Spurious Emissions

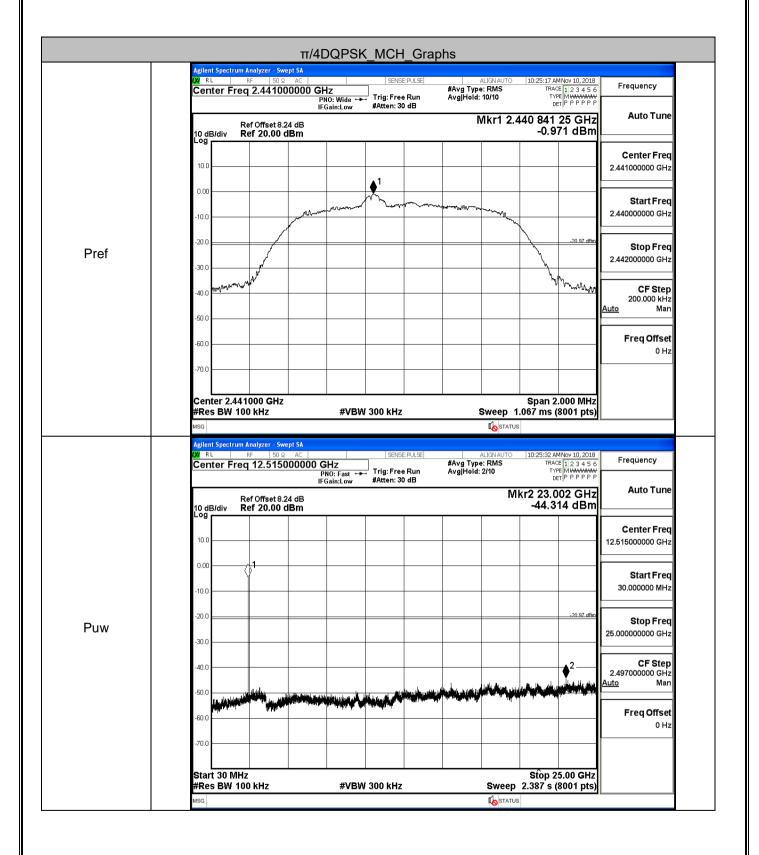
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	3.078	-44.777	-16.922	PASS
GFSK	MCH	0.383	-44.316	-19.617	PASS
	НСН	0.374	-44.404	-19.626	PASS
	LCH	-0.769	-44.595	-20.769	PASS
π/4DQPSK	MCH	-0.971	-44.314	-20.971	PASS
	НСН	-1.26	-43.829	-21.260	PASS
8DPSK	LCH	-0.827	-44.643	-20.827	PASS
	MCH	-0.914	-44.696	-20.914	PASS
	НСН	-1.091	-45.294	-21.091	PASS

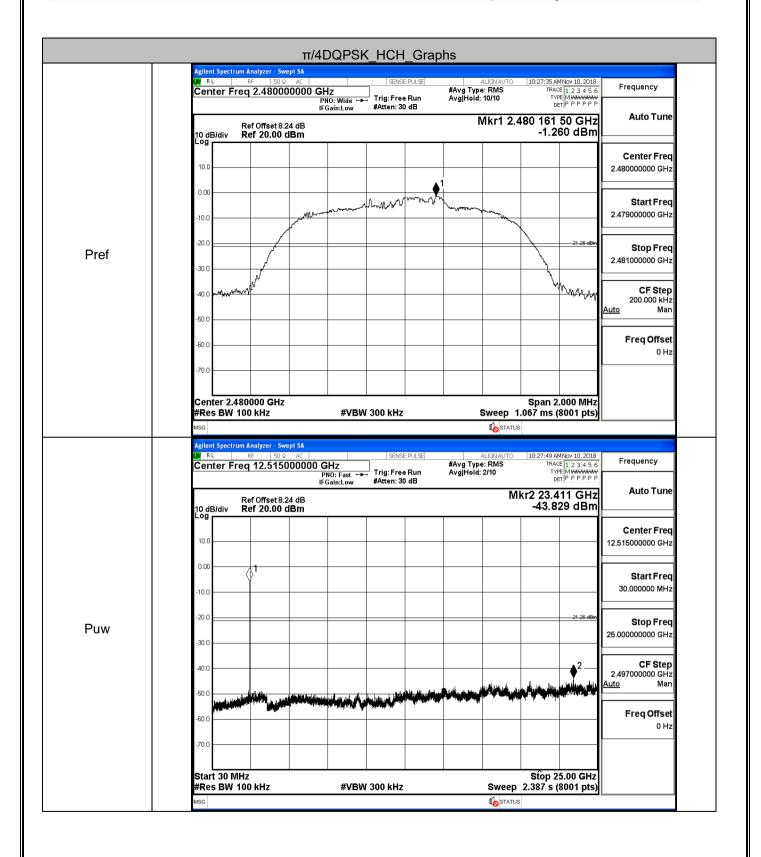


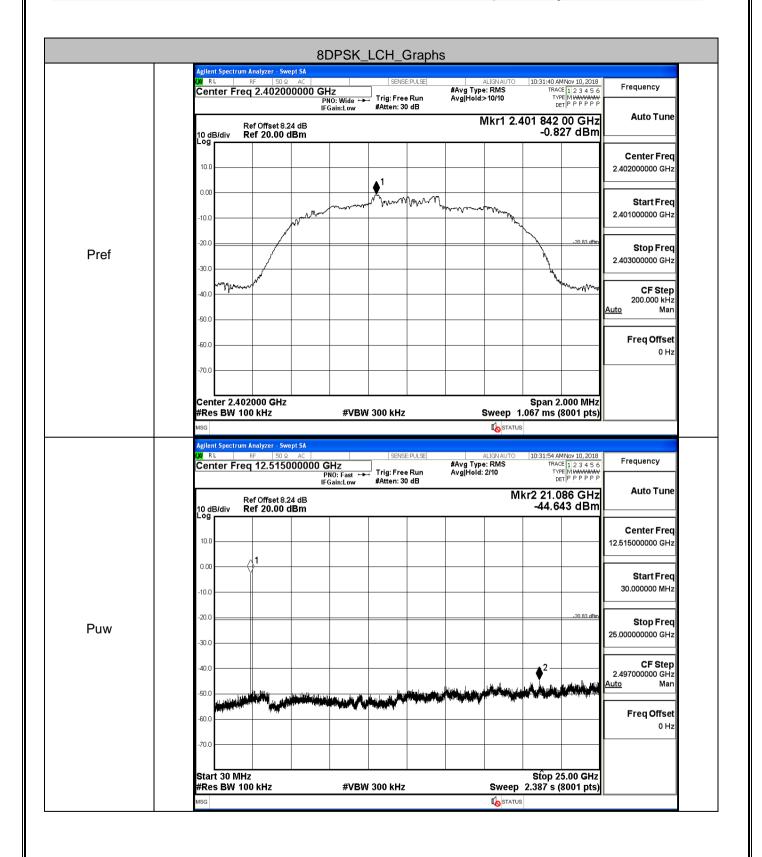


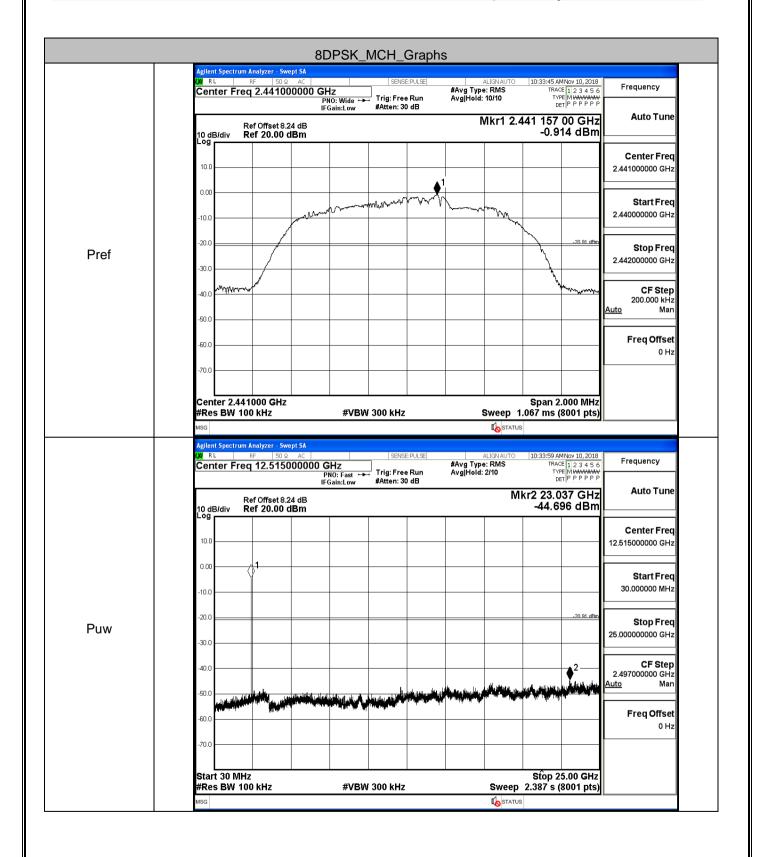


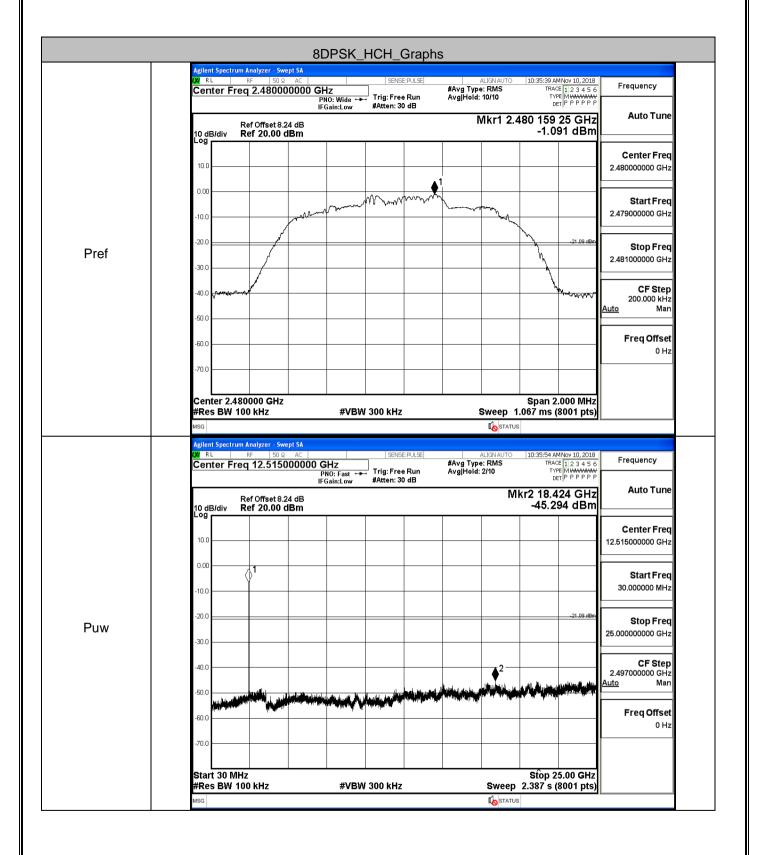






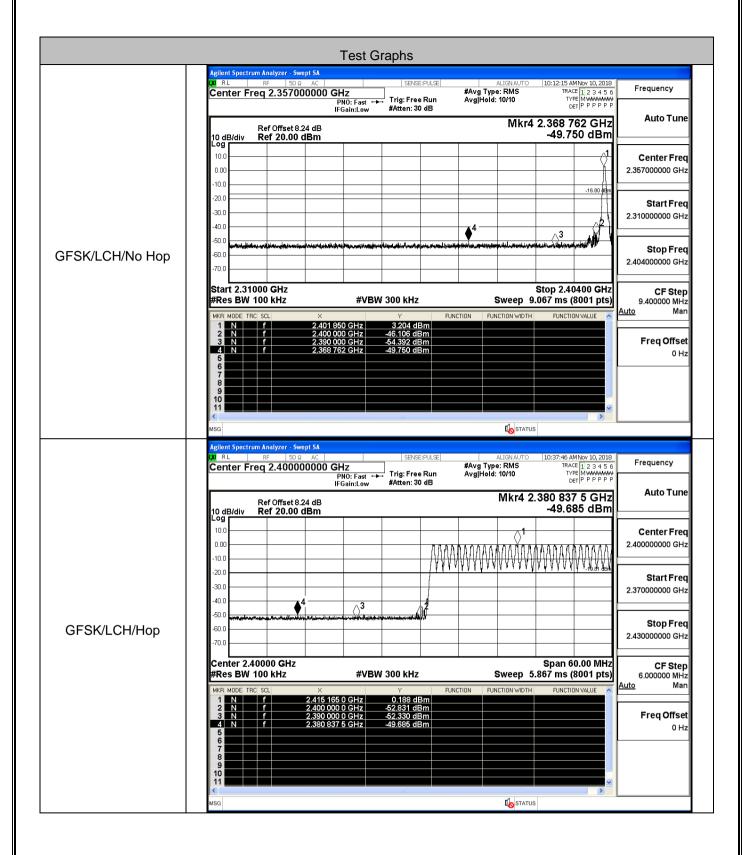


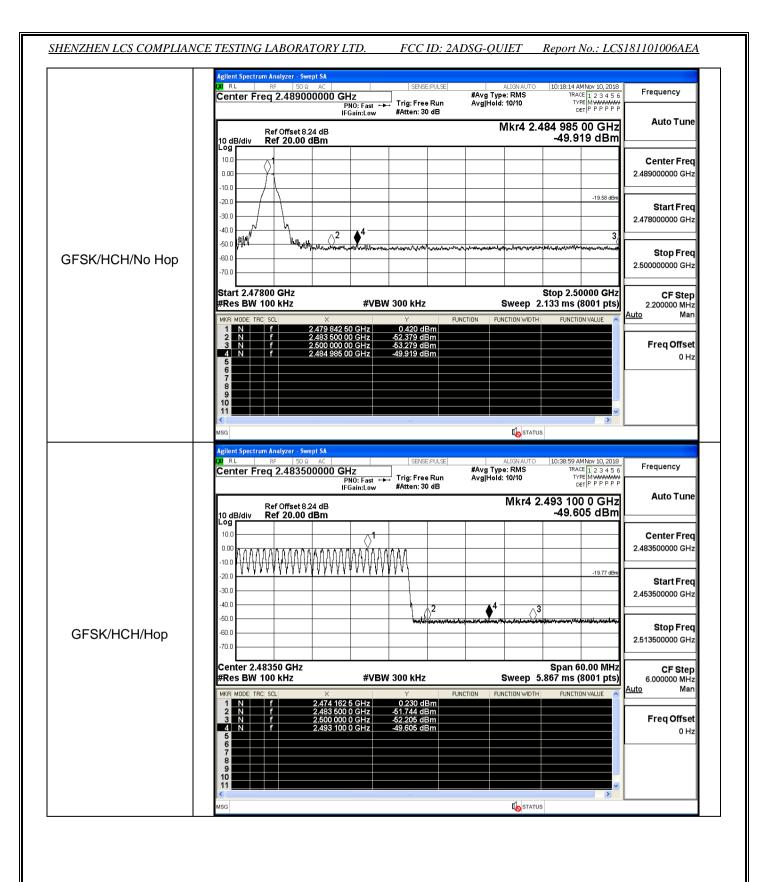


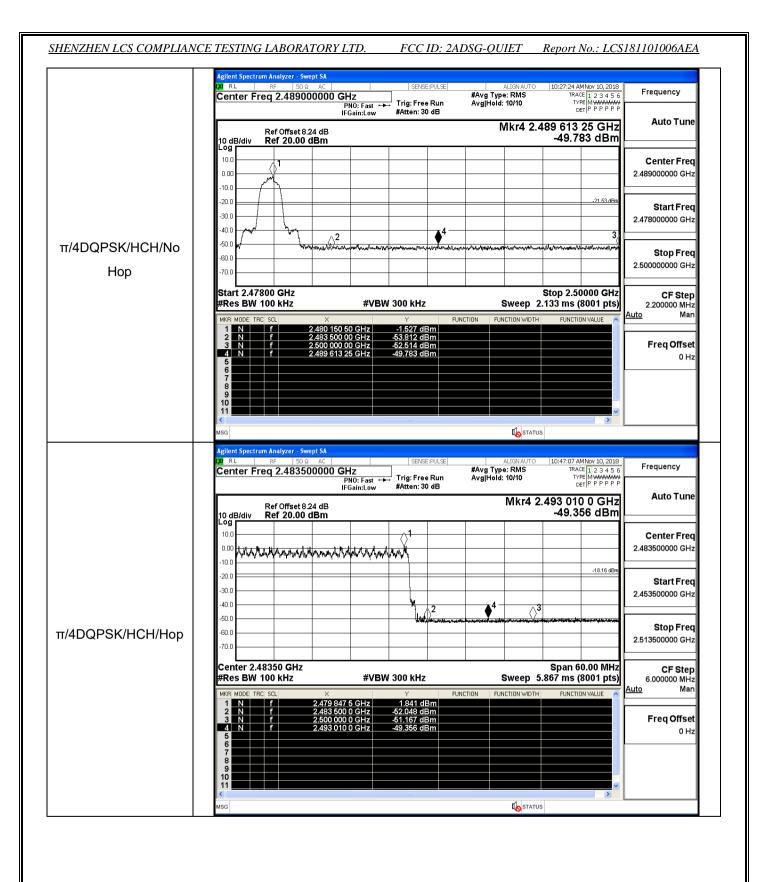


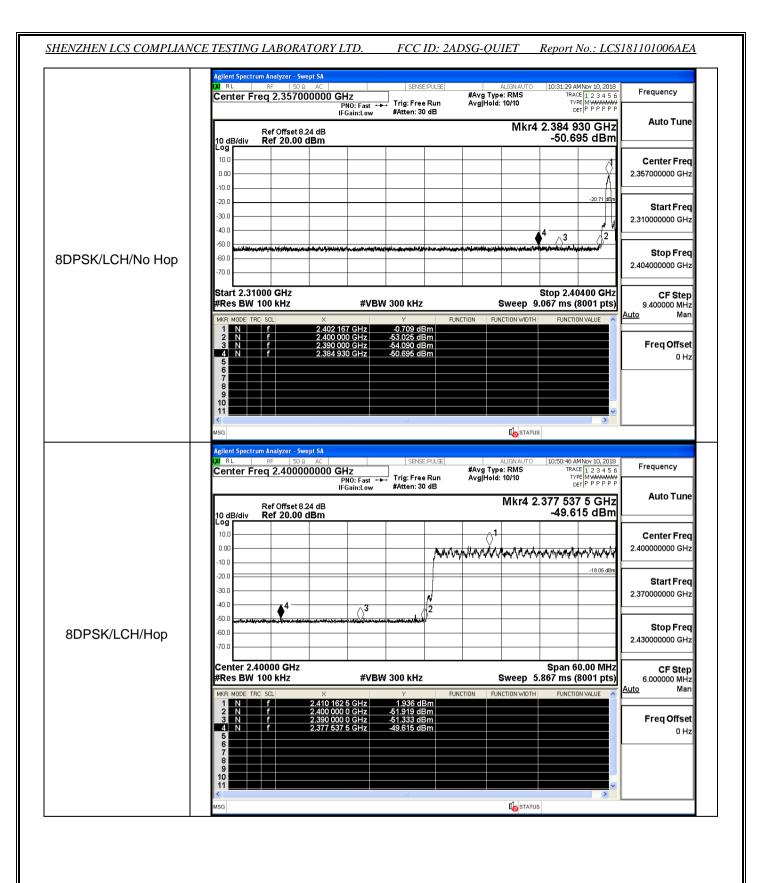
A.7 Band-edge for RF Conducted Emissions

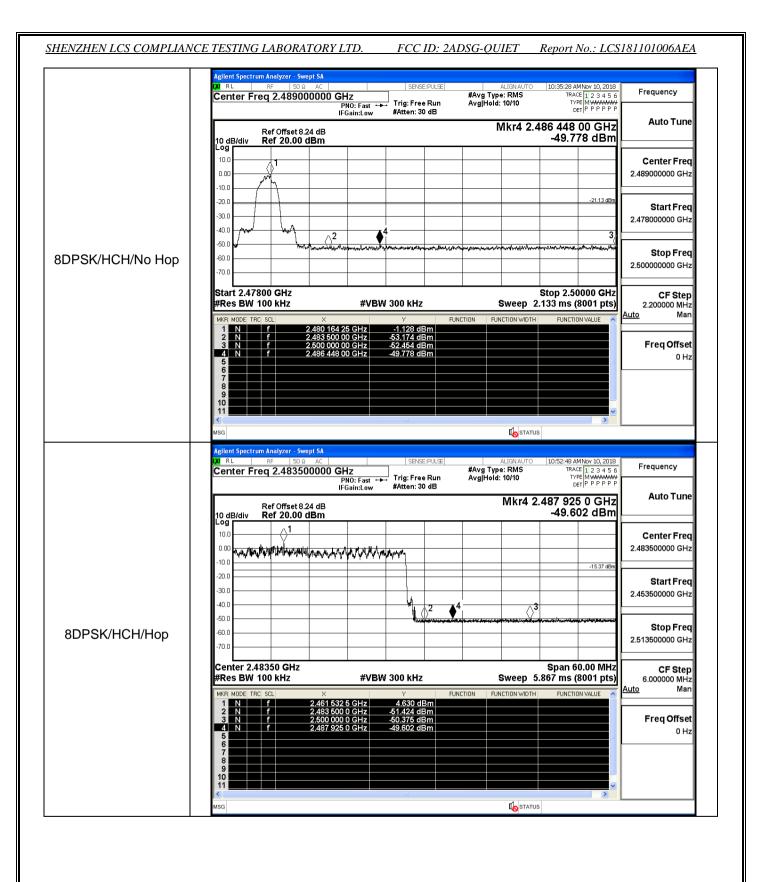
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			3.204	Off	-49.750	-16.8	PASS	
2-21/	LCH	2402	0.188	On	-49.685	-19.81	PASS	
GFSK	НСН	2480	0.420	Off	-49.919	-19.58	PASS	
			0.230	On	-49.605	-19.77	PASS	
	LCH			-1.246	Off	-49.892	-21.25	PASS
		2402	-0.878	On	-49.449	-20.88	PASS	
π/4DQPSK	НСН		-1.527	Off	-49.783	-21.53	PASS	
		HCH 2480	1.841	On	-49.356	-18.16	PASS	
			-0.709	Off	-50.695	-20.71	PASS	
	LCH	2402	1.936	On	-49.615	-18.06	PASS	
8DPSK			-1.128	Off	-49.778	-21.13	PASS	
	HCH	2480	4.630	On	-49.602	-15.37	PASS	





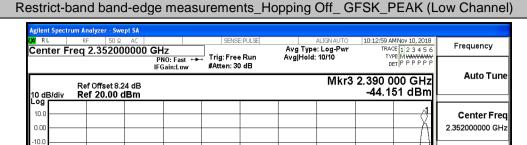


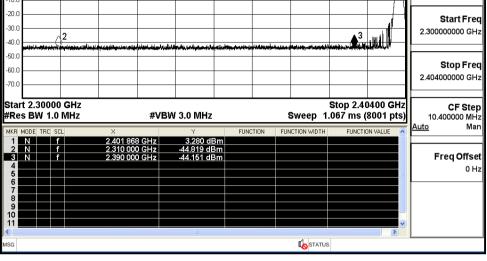




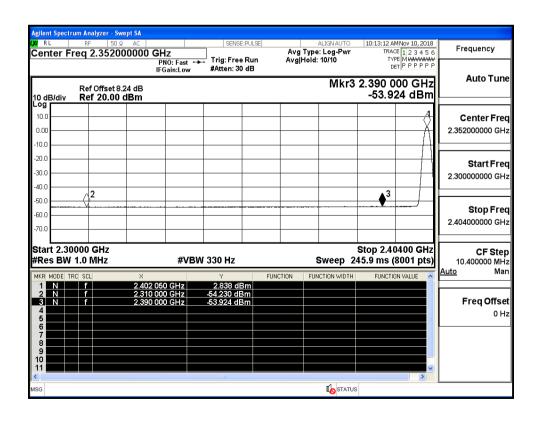
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.82	2.0	0	50.44	PEAK	74	PASS
	Off	2310.0	-54.23	2.0	0	41.03	AV	54	PASS
	Off	2390.0	-44.15	2.0	0	51.11	PEAK	74	PASS
	Off	2390.0	-53.92	2.0	0	41.33	AV	54	PASS
GFSK	Off	2483.5	-43.30	2.0	0	51.96	PEAK	74	PASS
	Off	2483.5	-53.44	2.0	0	41.82	AV	54	PASS
	Off	2500.0	-41.09	2.0	0	54.17	PEAK	74	PASS
	Off	2500.0	-53.27	2.0	0	41.99	AV	54	PASS
	Off	2310.0	-43.97	2.0	0	51.29	PEAK	74	PASS
	Off	2310.0	-53.96	2.0	0	41.29	AV	54	PASS
	Off	2390.0	-43.13	2.0	0	52.13	PEAK	74	PASS
	Off	2390.0	-53.50	2.0	0	41.75	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.37	2.0	0	51.89	PEAK	74	PASS
	Off	2483.5	-53.11	2.0	0	42.15	AV	54	PASS
	Off	2500.0	-43.08	2.0	0	52.18	PEAK	74	PASS
	Off	2500.0	-53.25	2.0	0	42.01	AV	54	PASS
	Off	2310.0	-42.85	2.0	0	52.41	PEAK	74	PASS
	Off	2310.0	-53.81	2.0	0	41.45	AV	54	PASS
	Off	2390.0	-42.98	2.0	0	52.28	PEAK	74	PASS
	Off	2390.0	-53.61	2.0	0	41.65	AV	54	PASS
8DPSK	Off	2483.5	-43.92	2.0	0	51.33	PEAK	74	PASS
	Off	2483.5	-53.16	2.0	0	42.10	AV	54	PASS
	Off	2500.0	-42.51	2.0	0	52.75	PEAK	74	PASS
	Off	2500.0	-53.11	2.0	0	42.15	AV	54	PASS

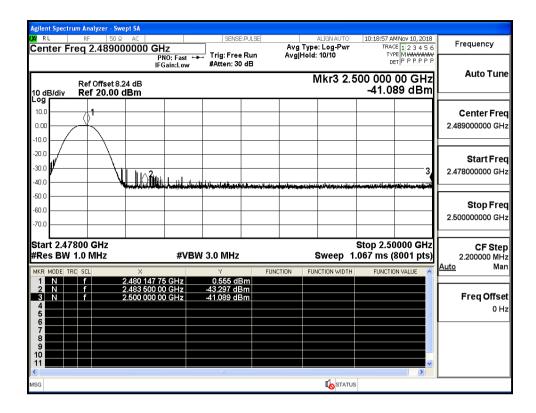




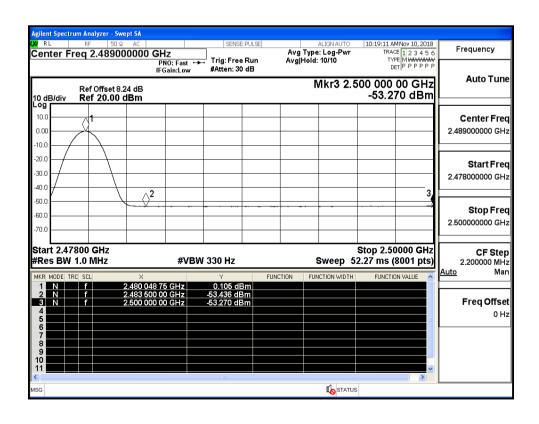
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



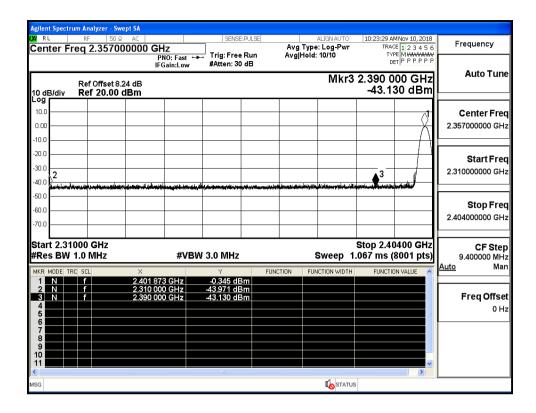
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



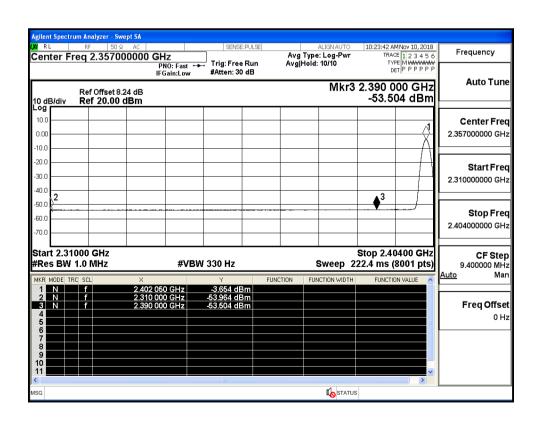
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



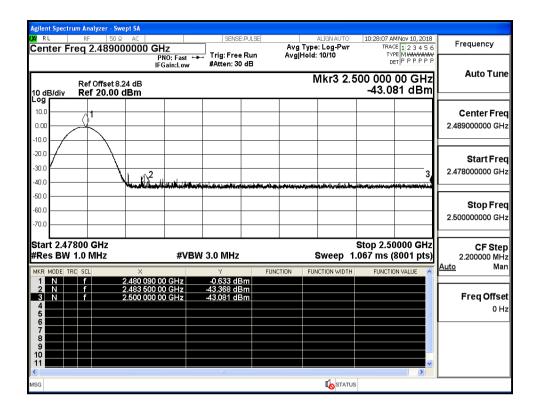
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



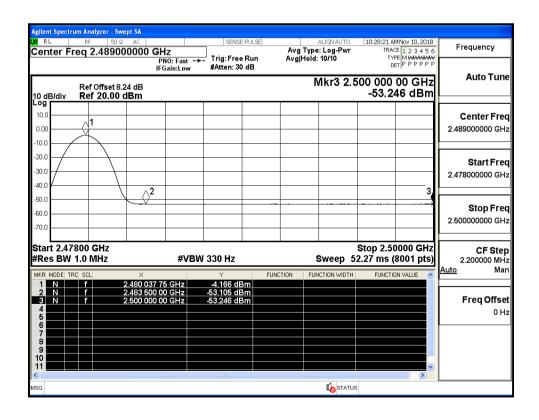
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



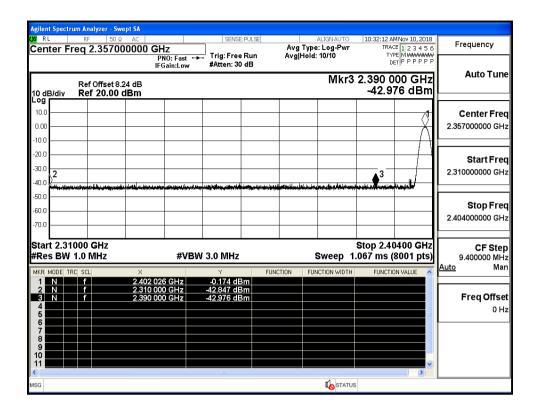
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



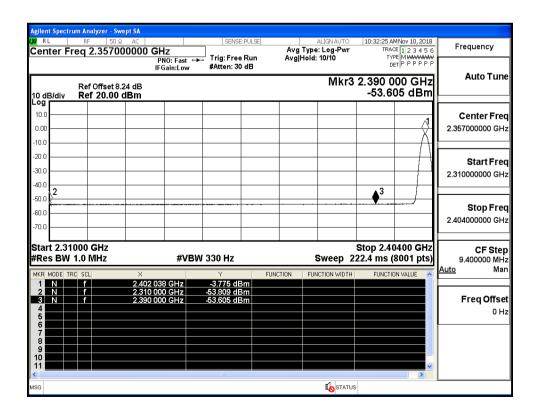
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



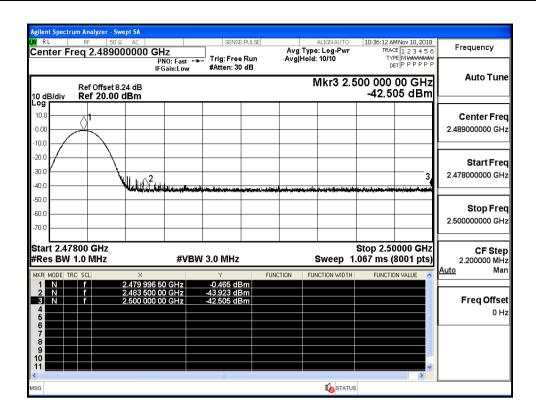
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

