Appendix A

RF Test Data for BT V5.0 (BDR/EDR) (Conducted Measurement) **Product Name: Light Up Logo Bluetooth Earbuds**

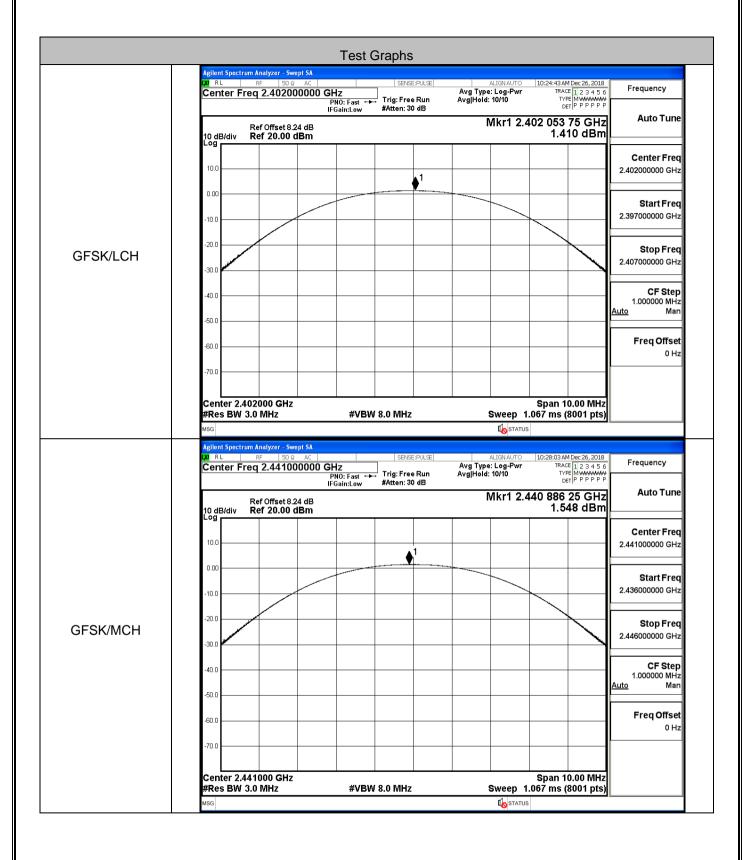
Trade Mark: N/A Test Model: XO-9720

Environmental Conditions

Temperature:	24.8 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

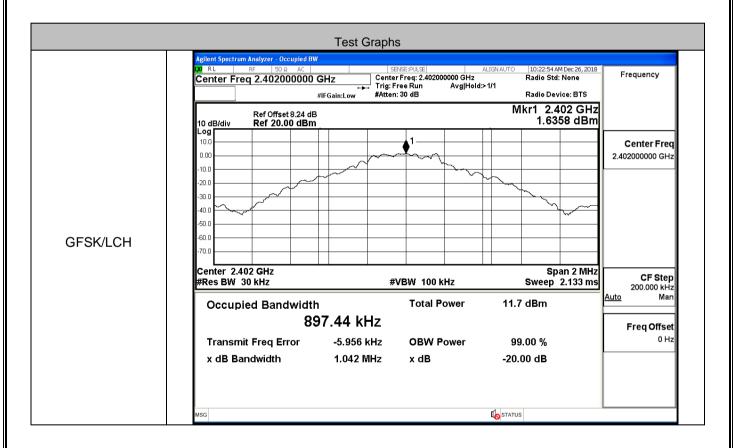
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	1.410	21	PASS
GFSK	MCH	1.548	21	PASS
	HCH	1.479	21	PASS
	LCH	0.625	21	PASS
π/4DQPSK	MCH	0.734	21	PASS
	HCH	0.681	21	PASS
	LCH	0.788	21	PASS
8DPSK	MCH	0.906	21	PASS
	HCH	0.811	21	PASS



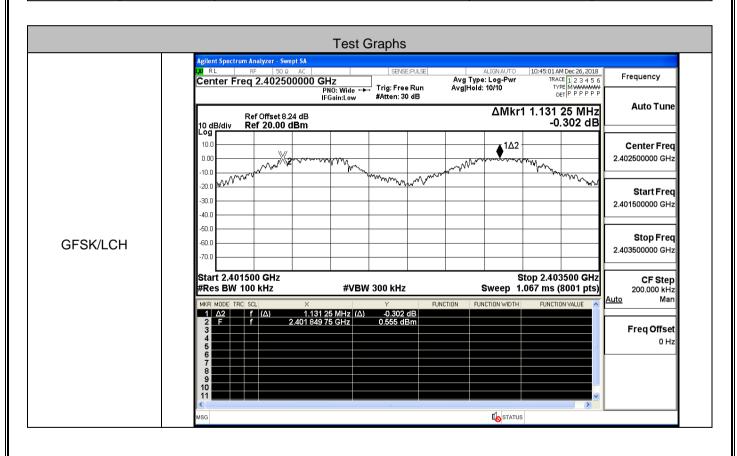
A.2 99% and 20dB Bandwidth

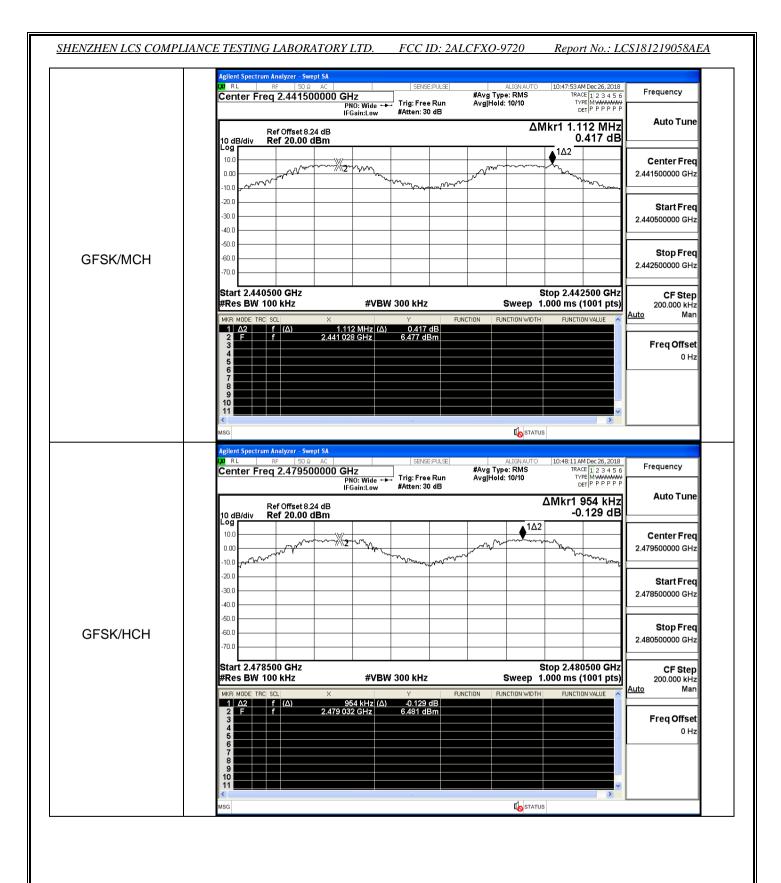
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.89744	1.042	Not Specified	PASS
GFSK	MCH	0.89958	1.037	Not Specified	PASS
	HCH	0.89855	1.038	Not Specified	PASS
	LCH	1.1743	1.291	Not Specified	PASS
π/4DQPSK	MCH	1.1720	1.292	Not Specified	PASS
	HCH	1.1718	1.290	Not Specified	PASS
	LCH	1.1814	1.295	Not Specified	PASS
8DPSK	MCH	1.1808	1.303	Not Specified	PASS
	HCH	1.1795	1.294	Not Specified	PASS

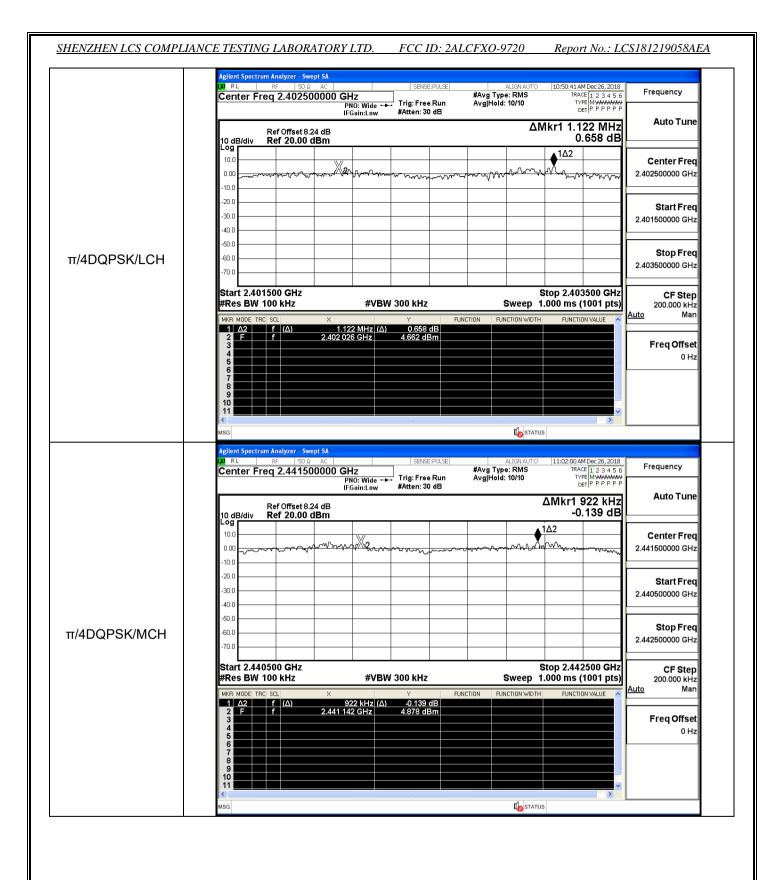


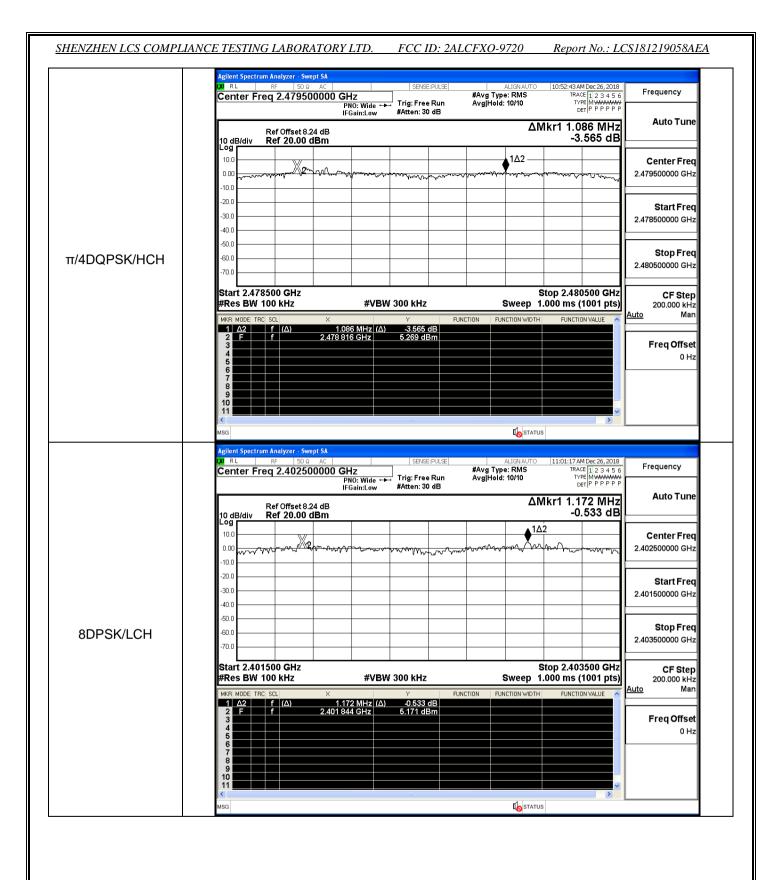
A.3 Carrier Frequency Separation

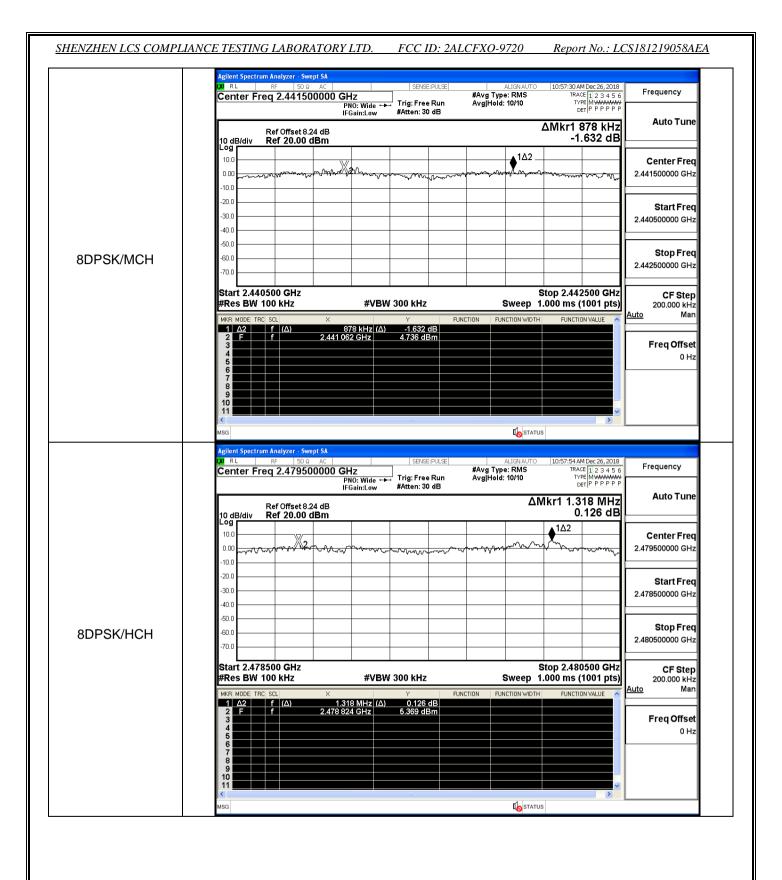
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.131	0.695	PASS
GFSK	MCH	1.112	0.695	PASS
	HCH	0.954	0.695	PASS
	LCH	1.122	0.861	PASS
π/4DQPSK	MCH	0.922	0.861	PASS
	НСН	1.086	0.861	PASS
	LCH	1.172	0.869	PASS
8DPSK	MCH	0.878	0.869	PASS
	HCH	1.318	0.869	PASS





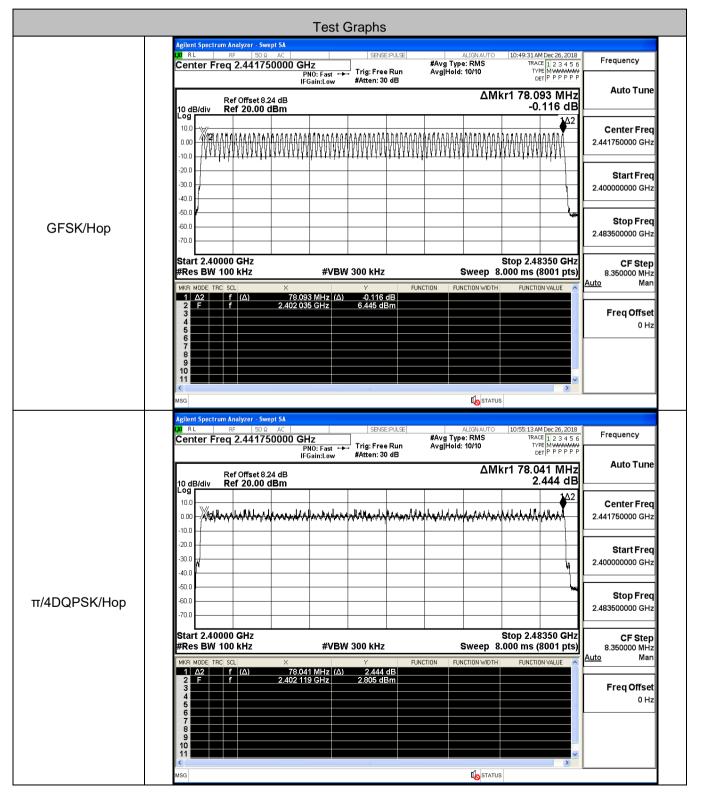






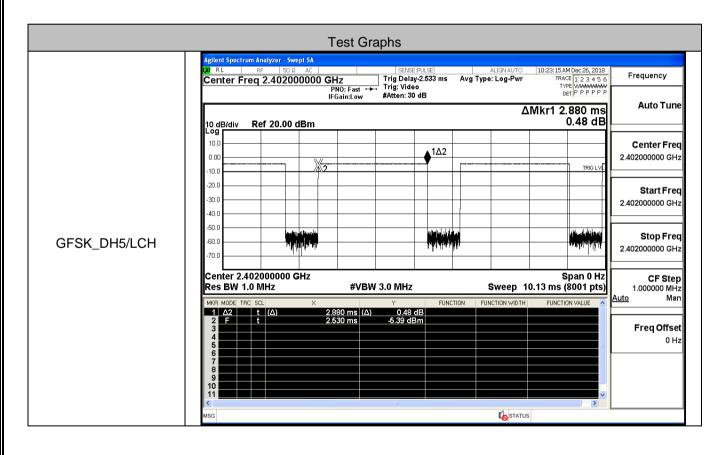
A.4 Hopping Channel Number

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



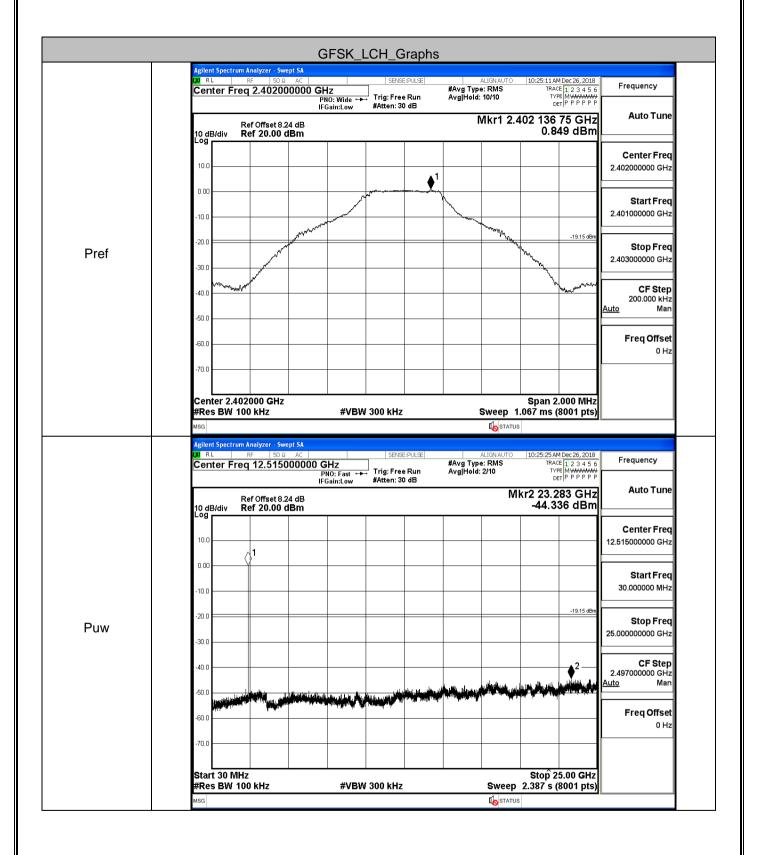
A.5 Dwell Time

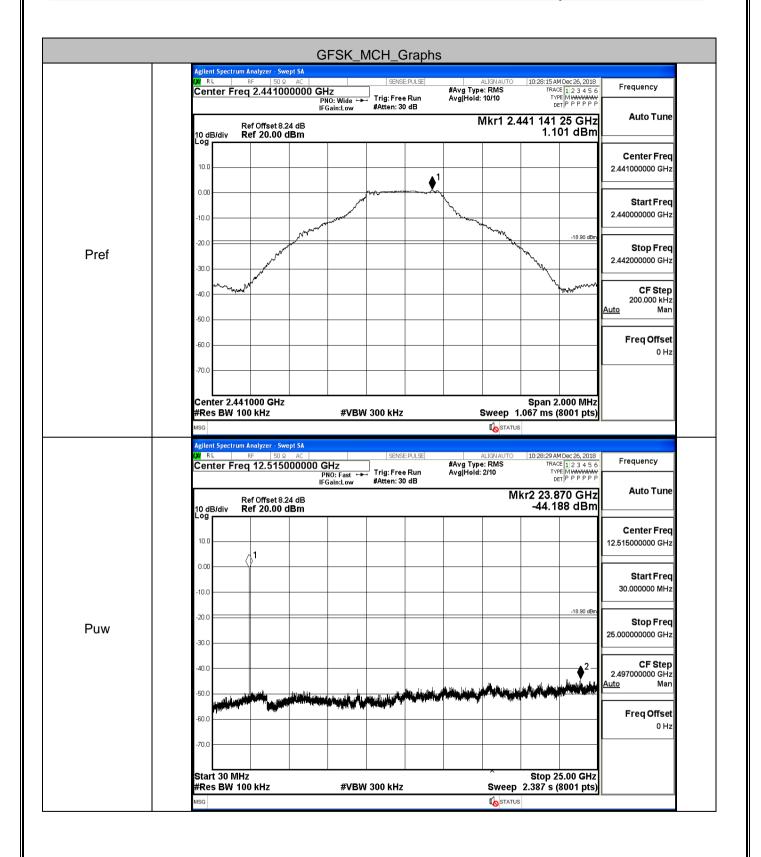
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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

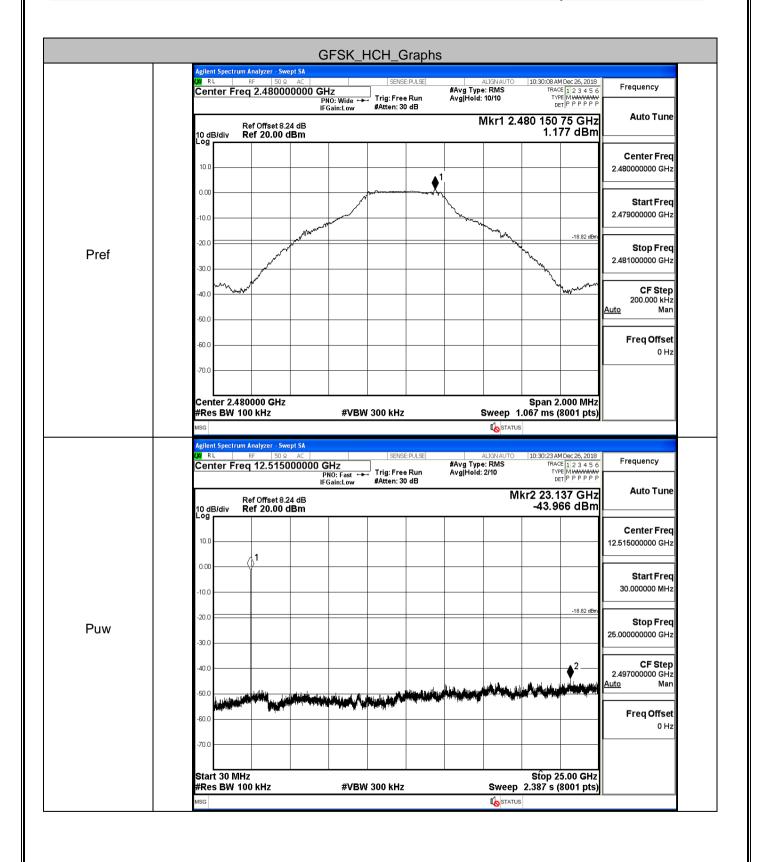


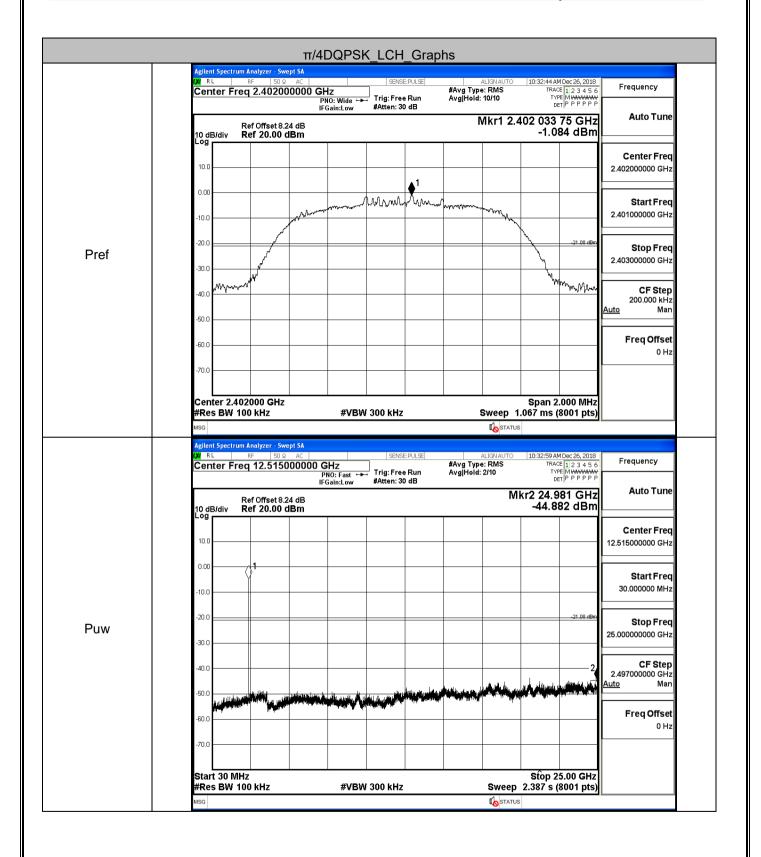
A.6 RF Conducted Spurious Emissions

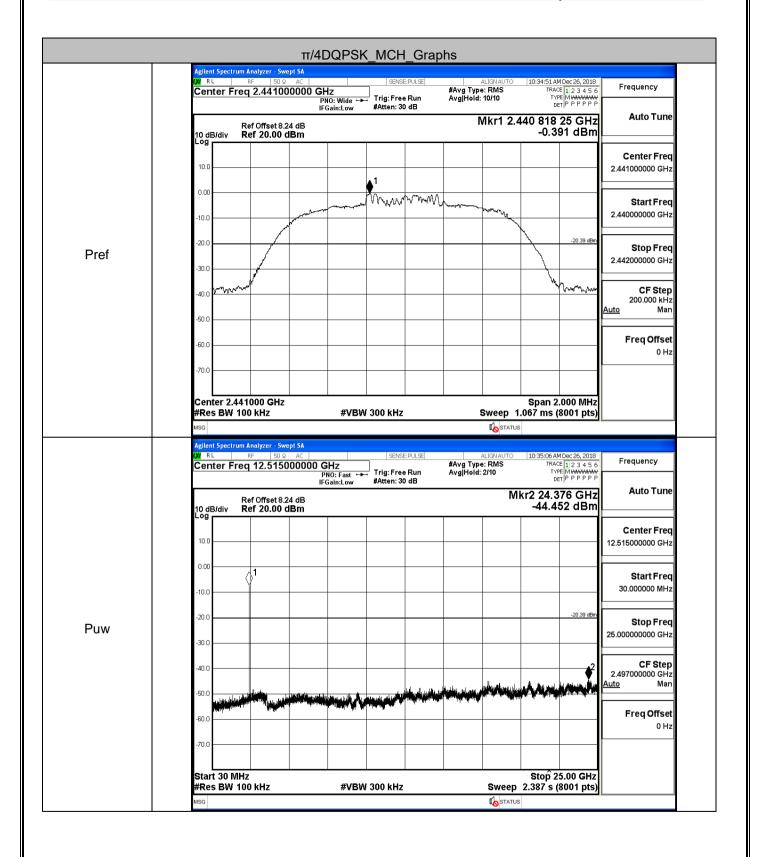
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.849	-44.336	-19.151	PASS
GFSK	MCH	1.101	-44.188	-18.899	PASS
	HCH	1.177	-43.966	-18.823	PASS
	LCH	-1.084	-44.882	-21.084	PASS
π/4DQPSK	MCH	-0.391	-44.452	-20.391	PASS
	HCH	-0.53	-44.708	-20.530	PASS
	LCH	-0.293	-44.321	-20.293	PASS
8DPSK	MCH	-0.569	-44.735	-20.569	PASS
	HCH	-0.277	-44.364	-20.277	PASS

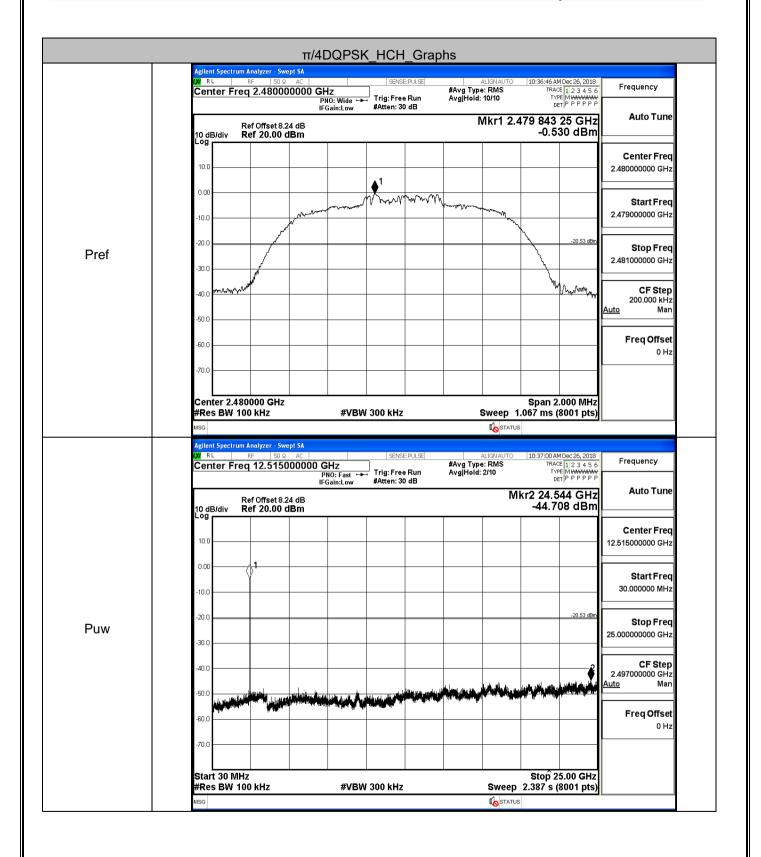


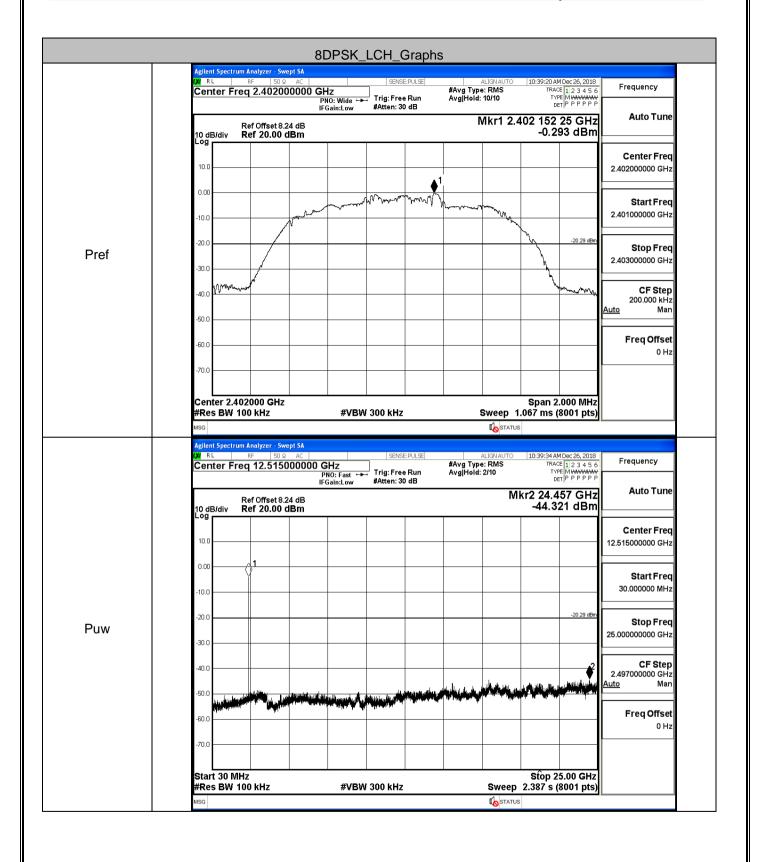


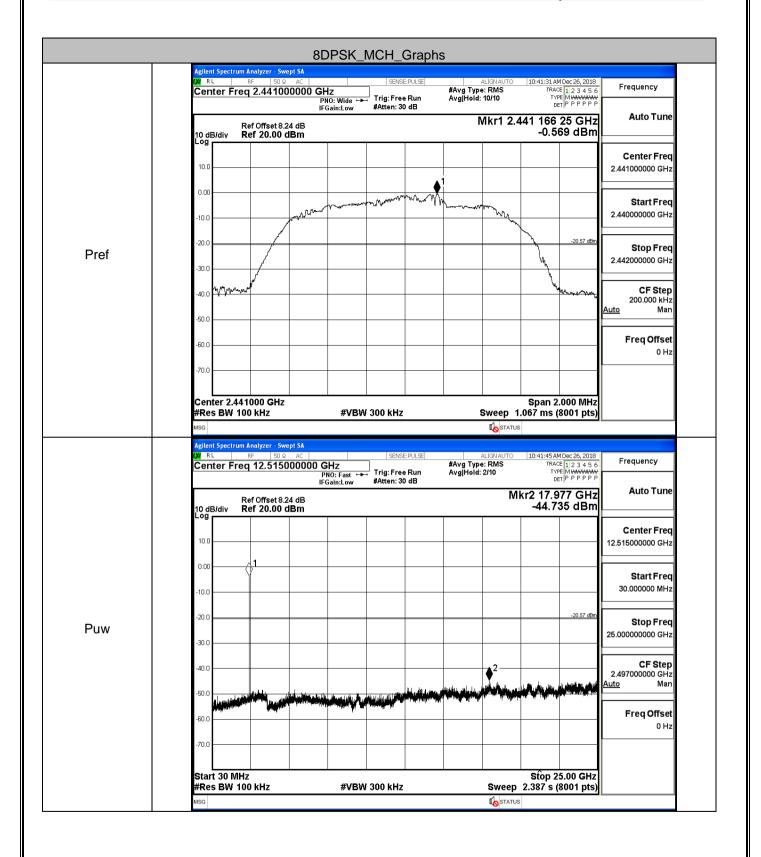


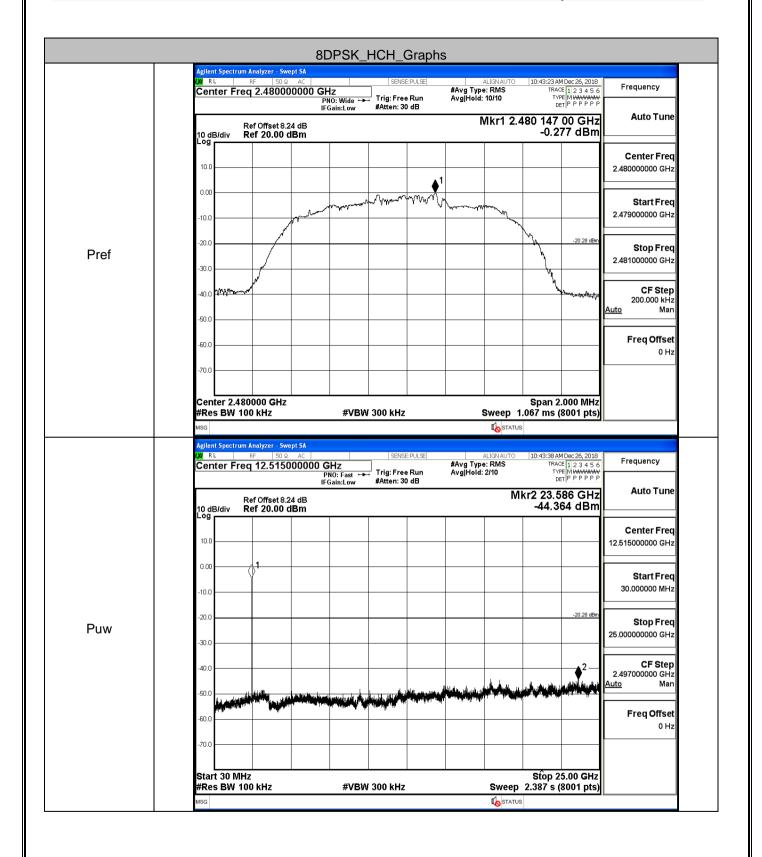






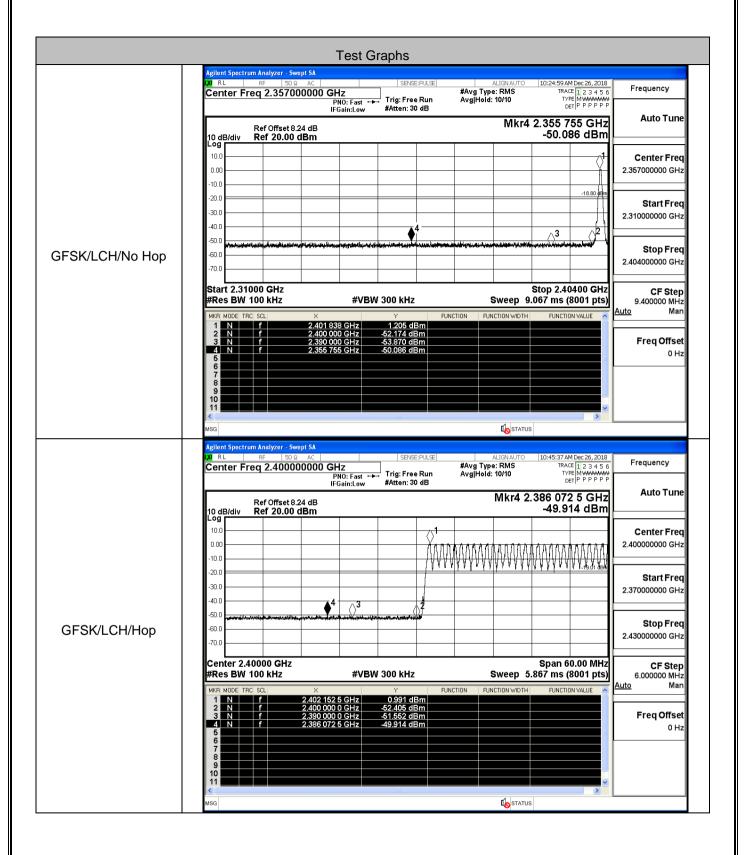


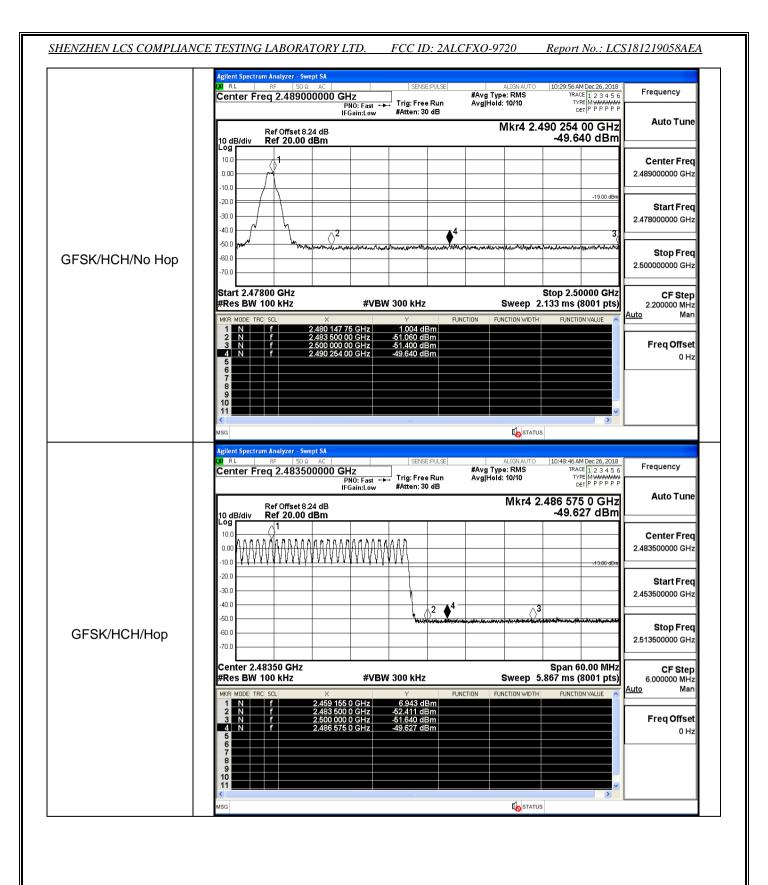


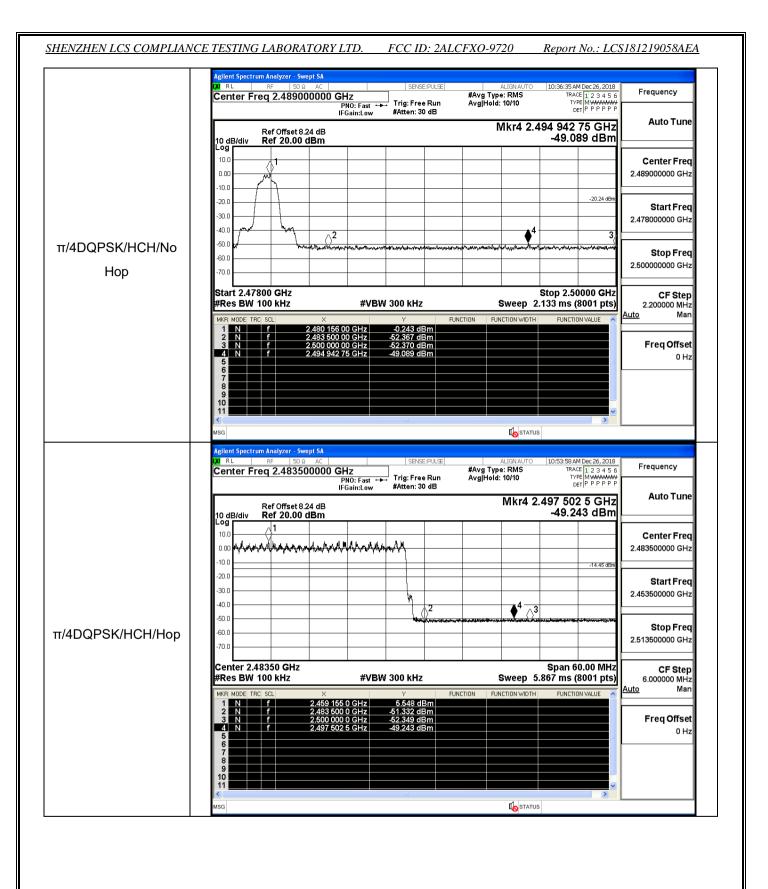


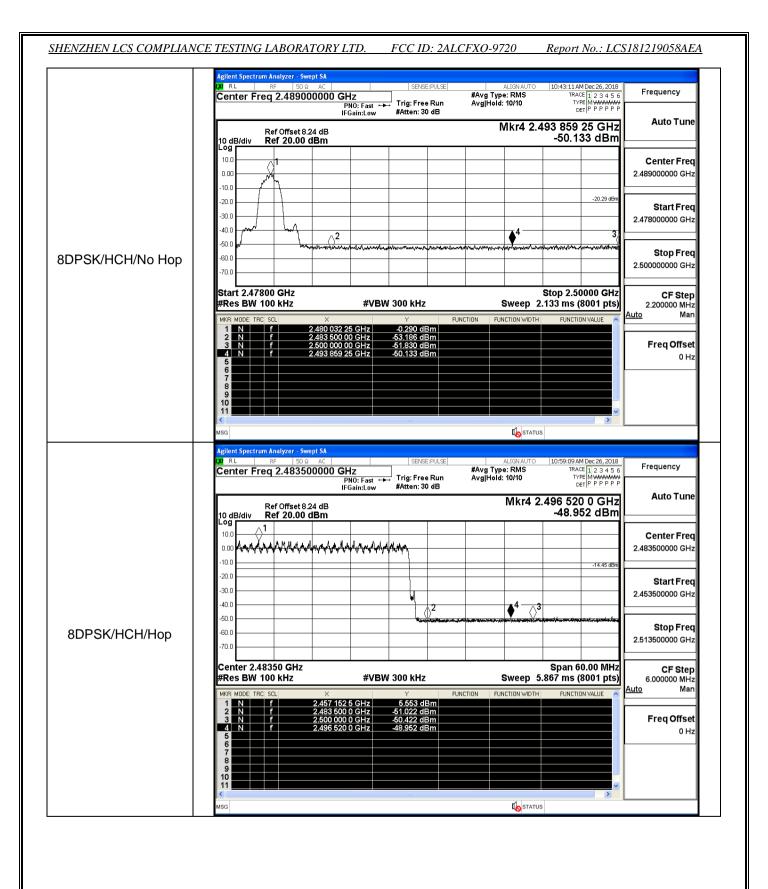
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			1.205	Off	-50.086	-18.8	PASS	
	LCH	2402	0.991	On	-49.914	-19.01	PASS	
GFSK	нсн	2480	1.004	Off	-49.640	-19	PASS	
			6.943	On	-49.627	-13.06	PASS	
	LCH			-0.246	Off	-49.795	-20.25	PASS
		2402	5.560	On	-48.983	-14.44	PASS	
π/4DQPSK	нсн		-0.243	Off	-49.089	-20.24	PASS	
		HCH 2480	5.548	On	-49.243	-14.45	PASS	
			-0.285	Off	-50.096	-20.29	PASS	
8DPSK	LCH	2402	5.519	On	-48.962	-14.48	PASS	
			-0.290	Off	-50.133	-20.29	PASS	
	HCH	2480	5.553	On	-48.952	-14.45	PASS	



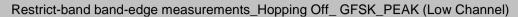


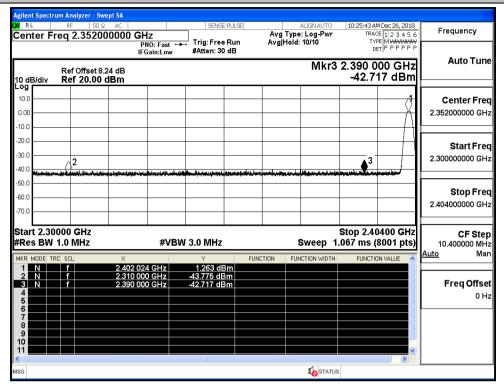




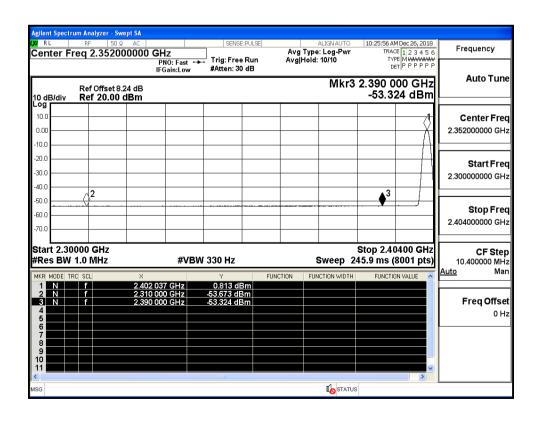
A.8 Restrict-band band-edge measurements

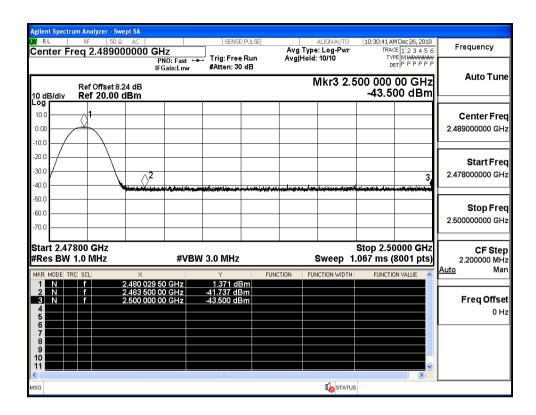
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.78	2.0	0	51.48	PEAK	74	PASS
	Off	2310.0	-53.67	2.0	0	41.58	AV	54	PASS
	Off	2390.0	-42.72	2.0	0	52.54	PEAK	74	PASS
	Off	2390.0	-53.32	2.0	0	41.93	AV	54	PASS
GFSK	Off	2483.5	-41.74	2.0	0	53.52	PEAK	74	PASS
	Off	2483.5	-53.04	2.0	0	42.22	AV	54	PASS
	Off	2500.0	-43.50	2.0	0	51.76	PEAK	74	PASS
	Off	2500.0	-52.92	2.0	0	42.33	AV	54	PASS
	Off	2310.0	-42.27	2.0	0	52.99	PEAK	74	PASS
	Off	2310.0	-53.50	2.0	0	41.75	AV	54	PASS
	Off	2390.0	-43.41	2.0	0	51.85	PEAK	74	PASS
	Off	2390.0	-53.27	2.0	0	41.99	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.92	2.0	0	52.34	PEAK	74	PASS
	Off	2483.5	-52.97	2.0	0	42.29	AV	54	PASS
	Off	2500.0	-41.87	2.0	0	53.38	PEAK	74	PASS
	Off	2500.0	-52.91	2.0	0	42.35	AV	54	PASS
	Off	2310.0	-43.77	2.0	0	51.49	PEAK	74	PASS
	Off	2310.0	-53.63	2.0	0	41.62	AV	54	PASS
	Off	2390.0	-41.38	2.0	0	53.88	PEAK	74	PASS
	Off	2390.0	-53.26	2.0	0	41.99	AV	54	PASS
8DPSK	Off	2483.5	-42.08	2.0	0	53.18	PEAK	74	PASS
	Off	2483.5	-53.00	2.0	0	42.26	AV	54	PASS
	Off	2500.0	-43.09	2.0	0	52.16	PEAK	74	PASS
	Off	2500.0	-52.82	2.0	0	42.44	AV	54	PASS



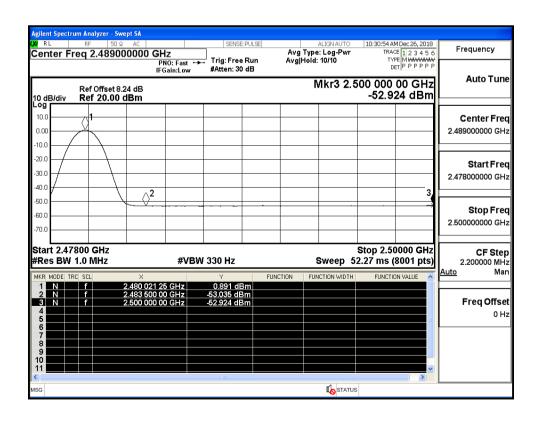


Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)

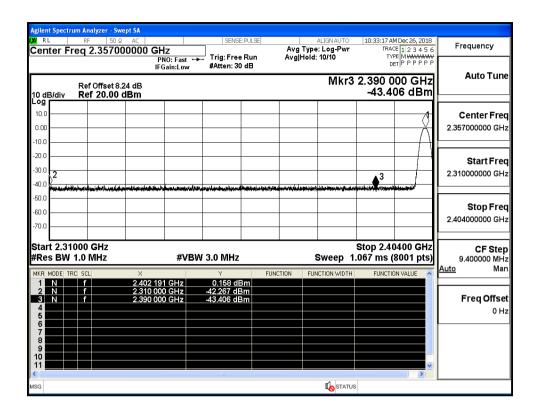




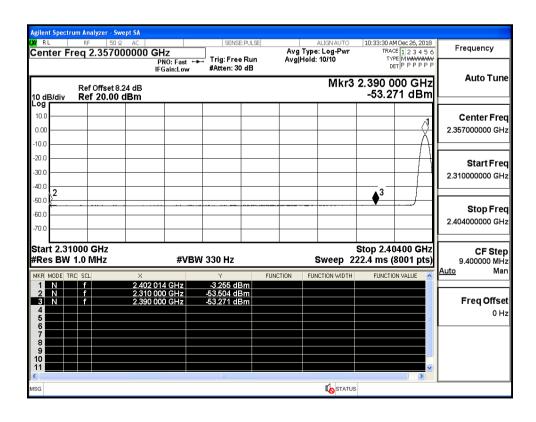
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



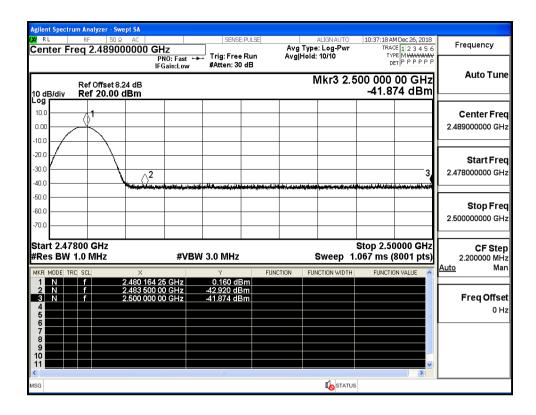
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



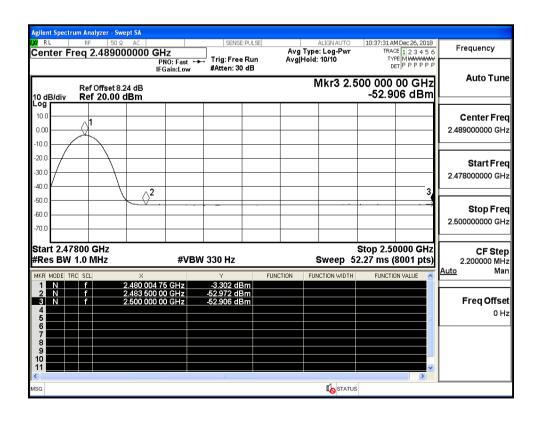
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



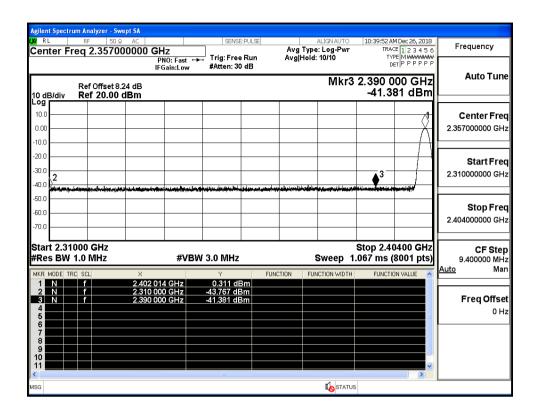
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



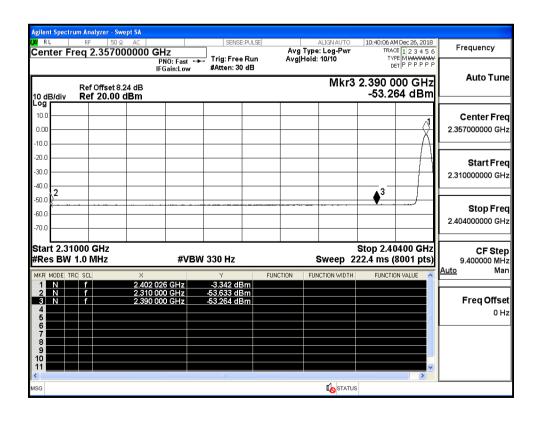
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



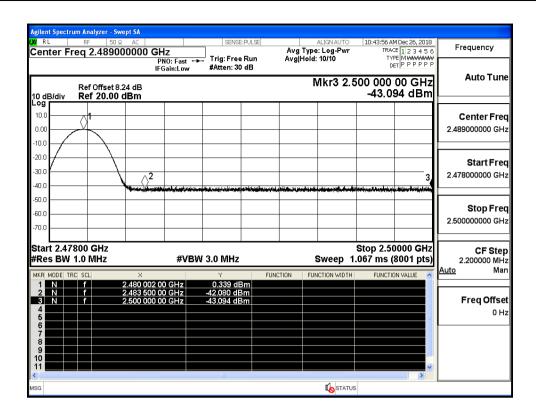
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

