Appendix A

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

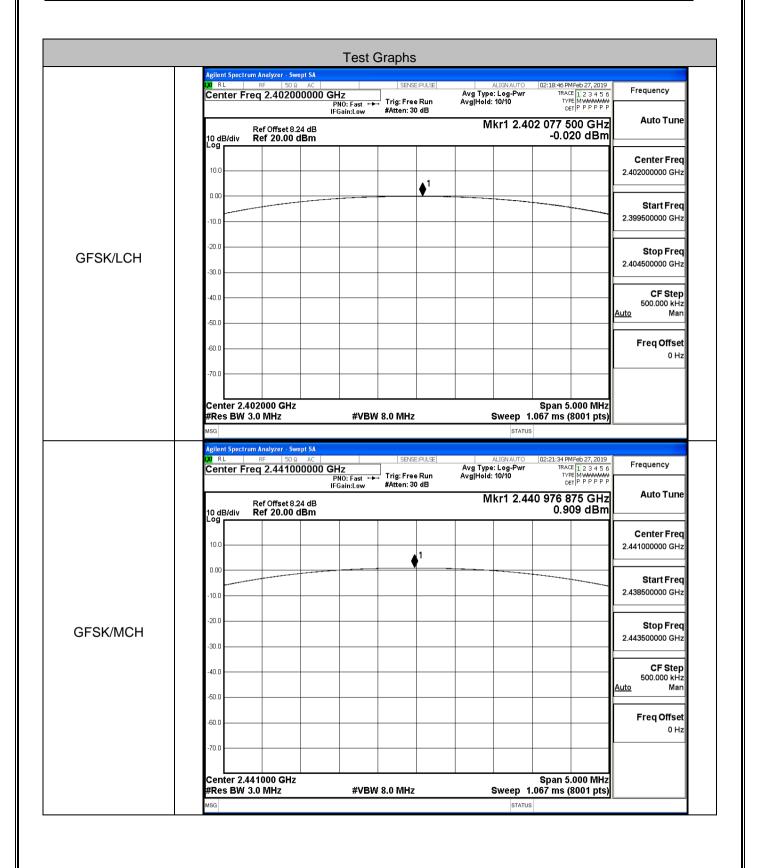
Product Name: Odyssey Bluetooth® Headphones Trade Mark: Gemline Test Model: 100252-001B

Environmental Conditions

	 -	
Temperature: Relative Humidity:		22.8 ° C
		53.3%
ATM Pressure:		100.0 kPa
	Test Engineer:	JERRY.Zeng
	Supervised by:	Jayden.Zhuo

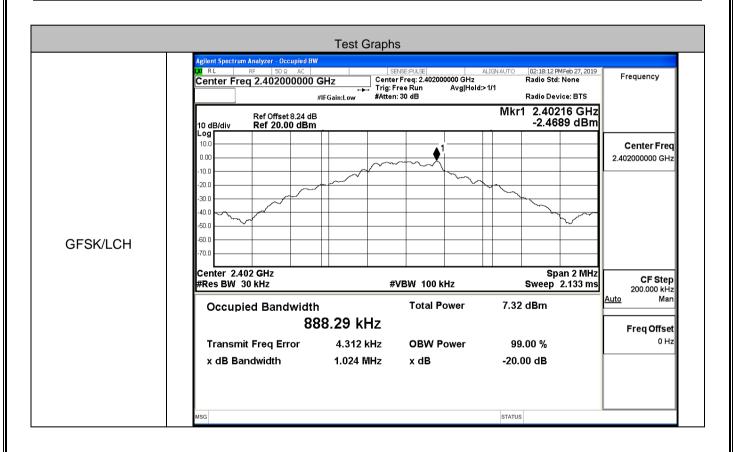
A.1 Maximum Conducted Peak Output Power

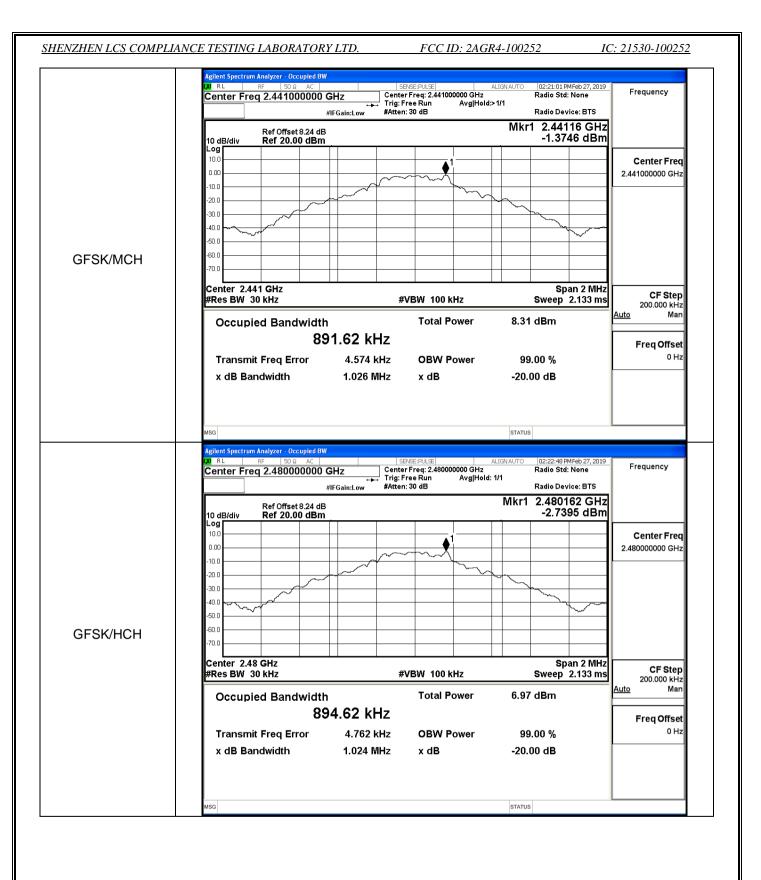
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-0.020	21	PASS
GFSK	MCH	0.909	21	PASS
	НСН	-0.414	21	PASS
	LCH	-0.598	21	PASS
π/4DQPSK	MCH	0.361	21	PASS
	НСН	-1.062	21	PASS
	LCH	-0.498	21	PASS
8DPSK	MCH	0.456	21	PASS
	HCH	-0.915	21	PASS

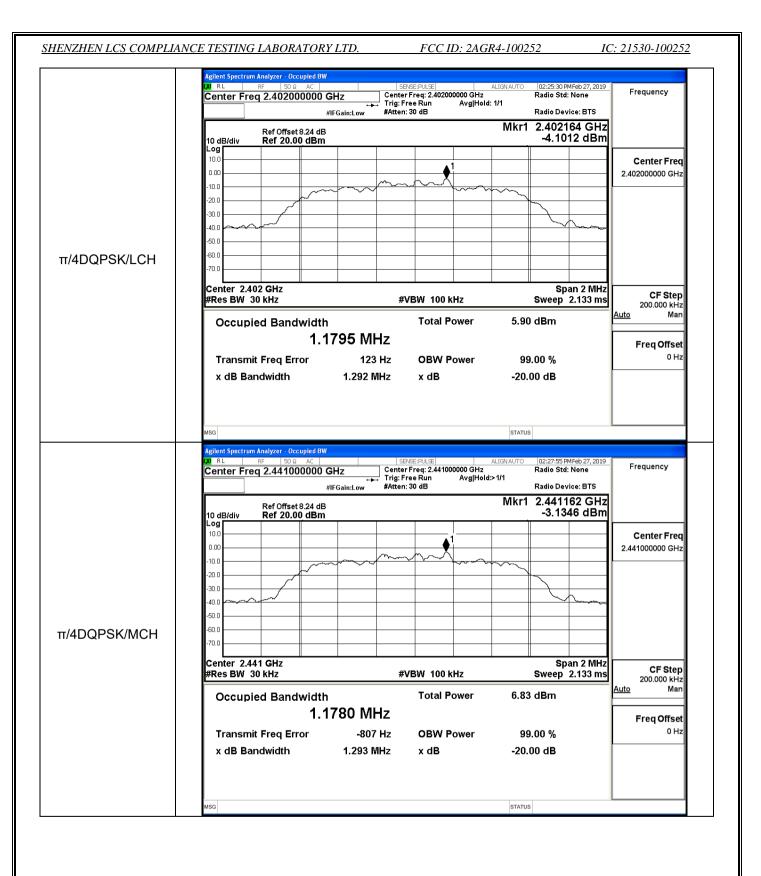


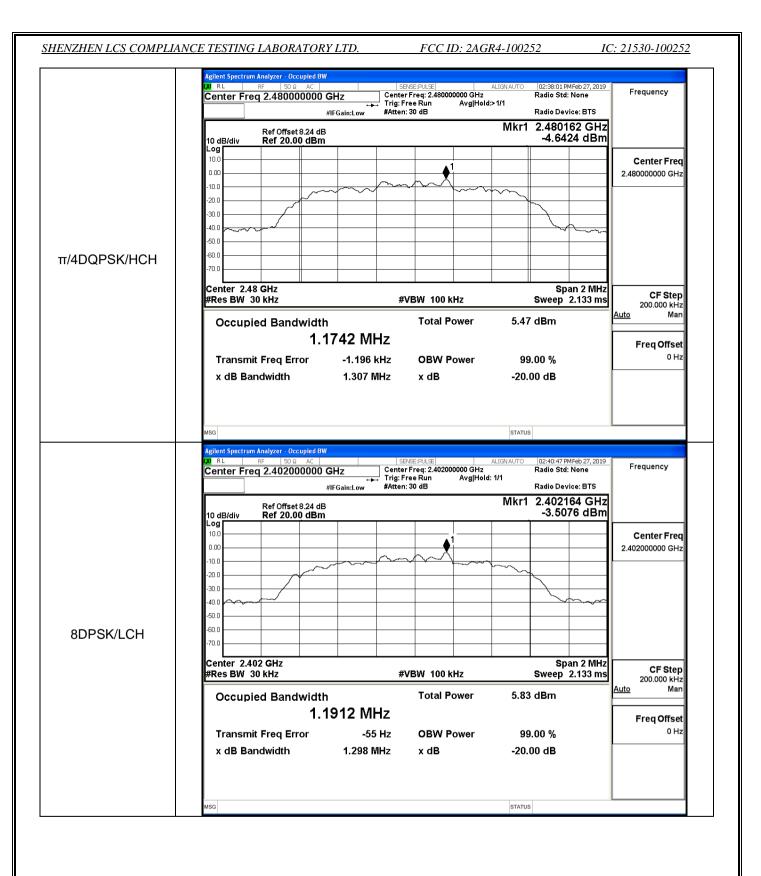
A.2 99% and 20dB Bandwidth

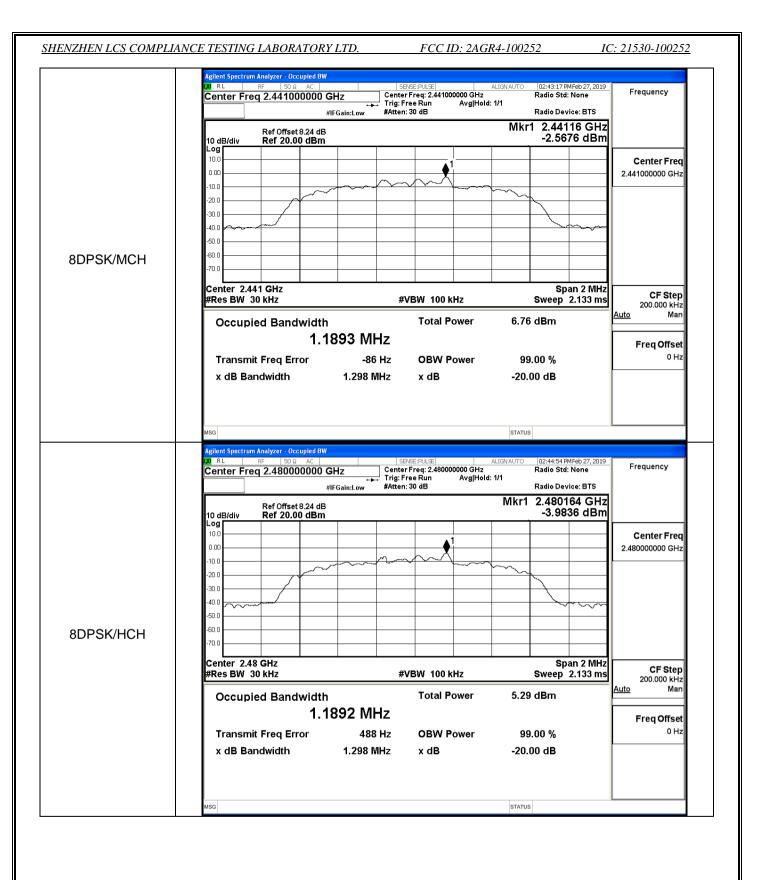
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.88829	1.024	Not Specified	PASS
GFSK	MCH	0.89162	1.026	Not Specified	PASS
	HCH	0.89462	1.024	Not Specified	PASS
	LCH	1.1795	1.292	Not Specified	PASS
π/4DQPSK	MCH	1.1780	1.293	Not Specified	PASS
	HCH	1.1742	1.307	Not Specified	PASS
	LCH	1.1912	1.298	Not Specified	PASS
8DPSK	MCH	1.1893	1.298	Not Specified	PASS
	HCH	1.1892	1.298	Not Specified	PASS





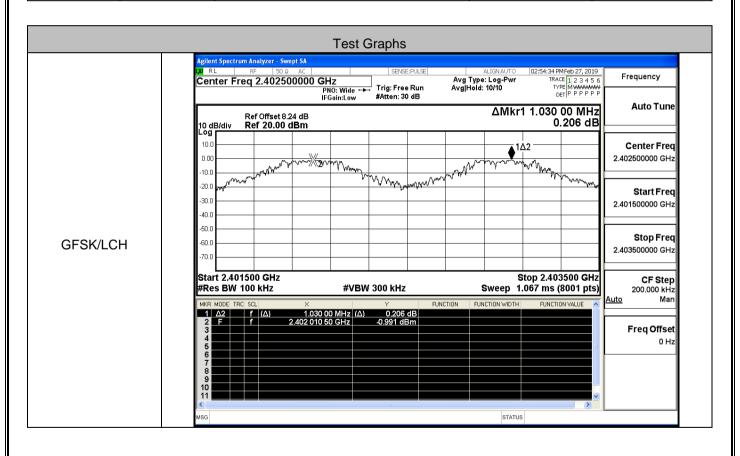




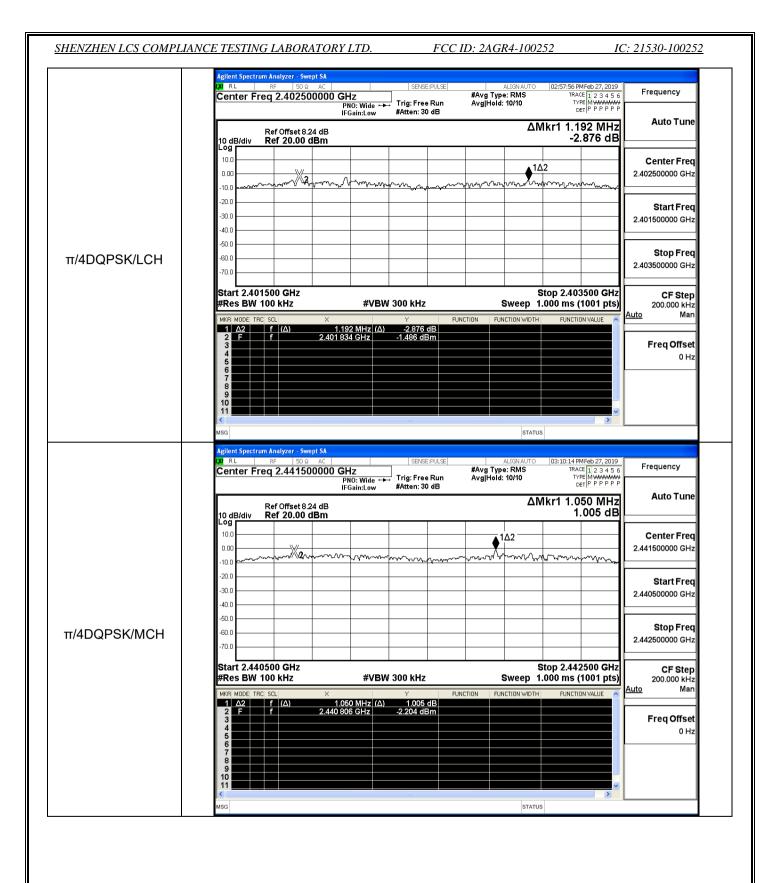


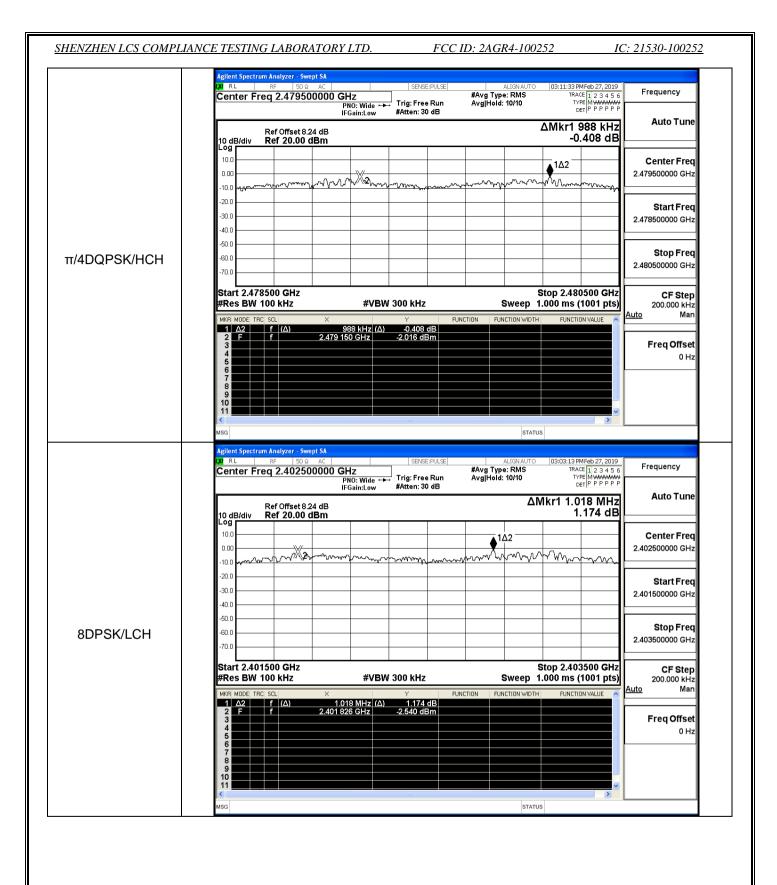
A.3 Carrier Frequency Separation

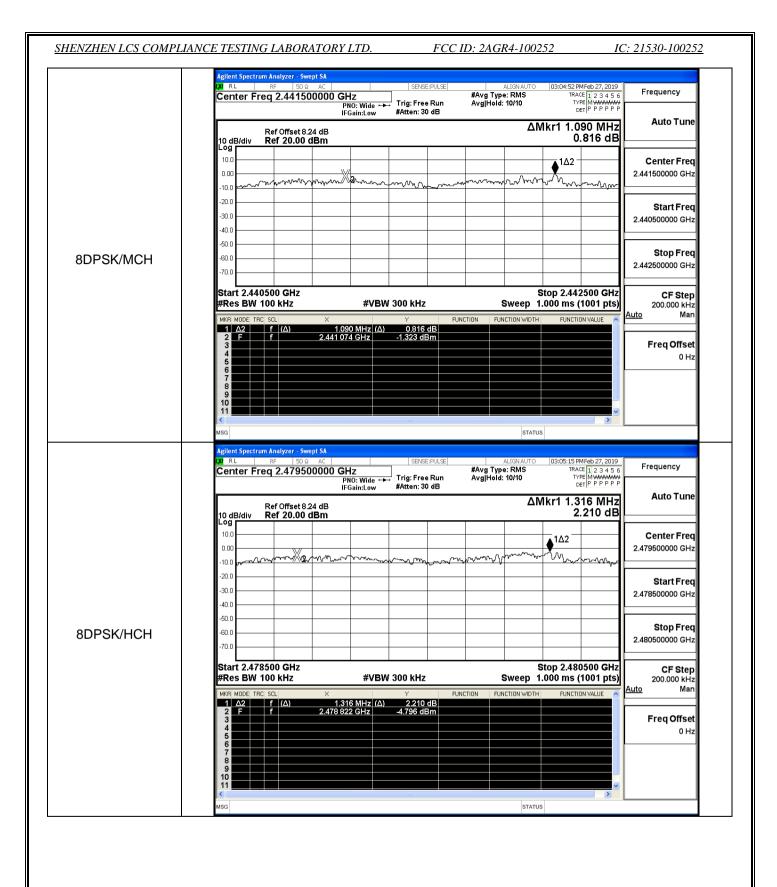
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.030	0.684	PASS
GFSK	MCH	0.976	0.684	PASS
	HCH	0.858	0.684	PASS
	LCH	1.192	0.871	PASS
π/4DQPSK	MCH	1.050	0.871	PASS
	HCH	0.988	0.871	PASS
	LCH	1.018	0.865	PASS
8DPSK	MCH	1.090	0.865	PASS
	HCH	1.316	0.865	PASS





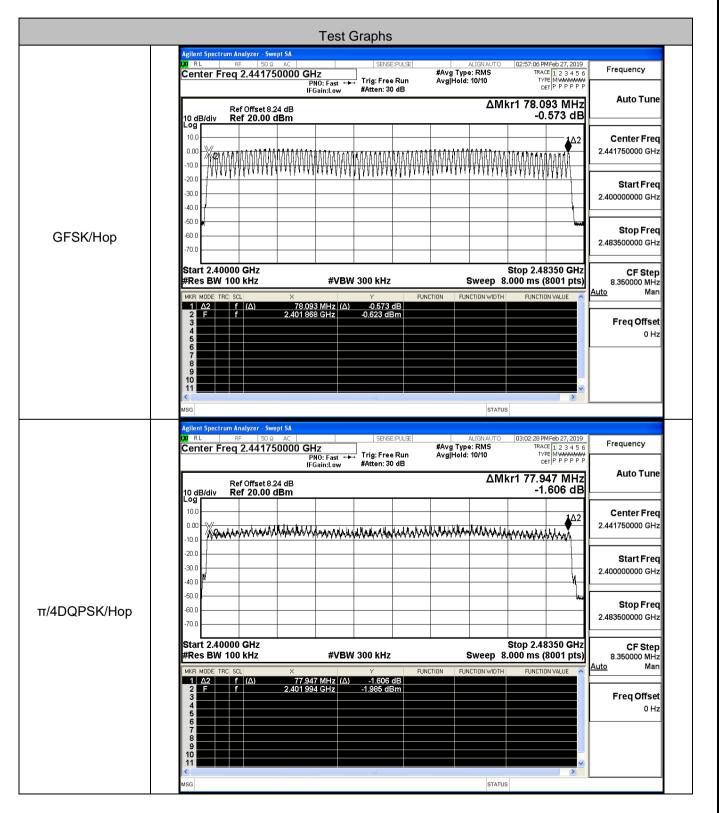






A.4 Hopping Channel Number

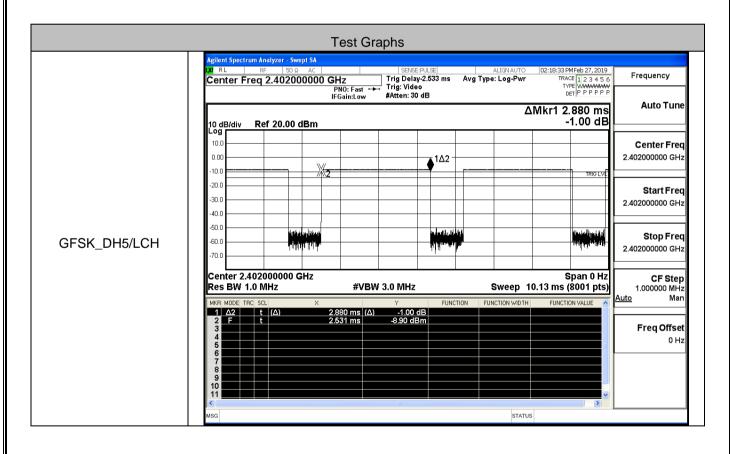
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

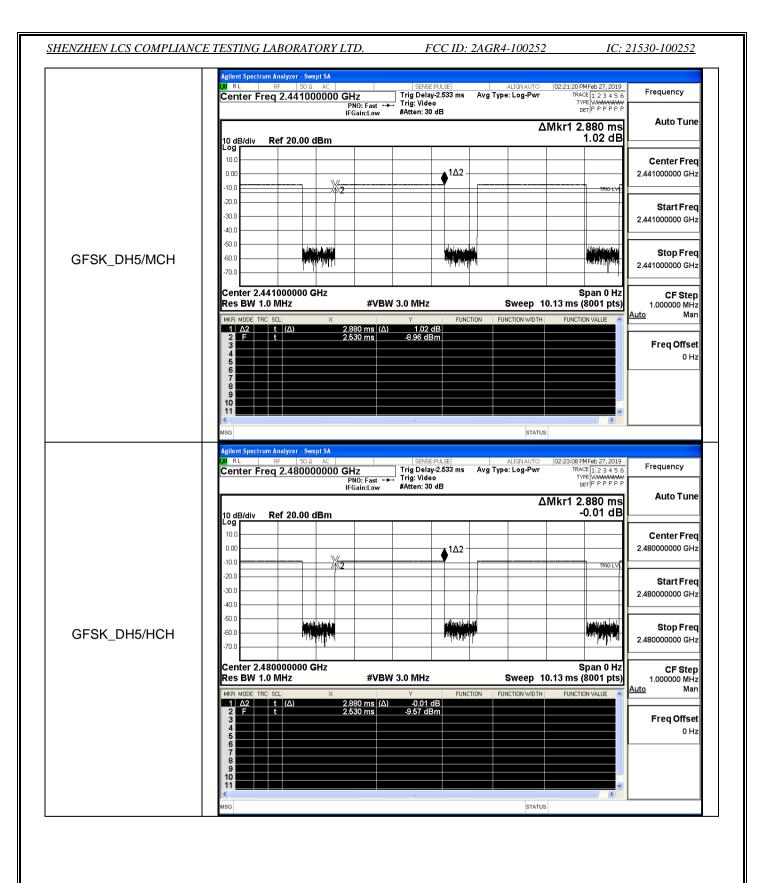


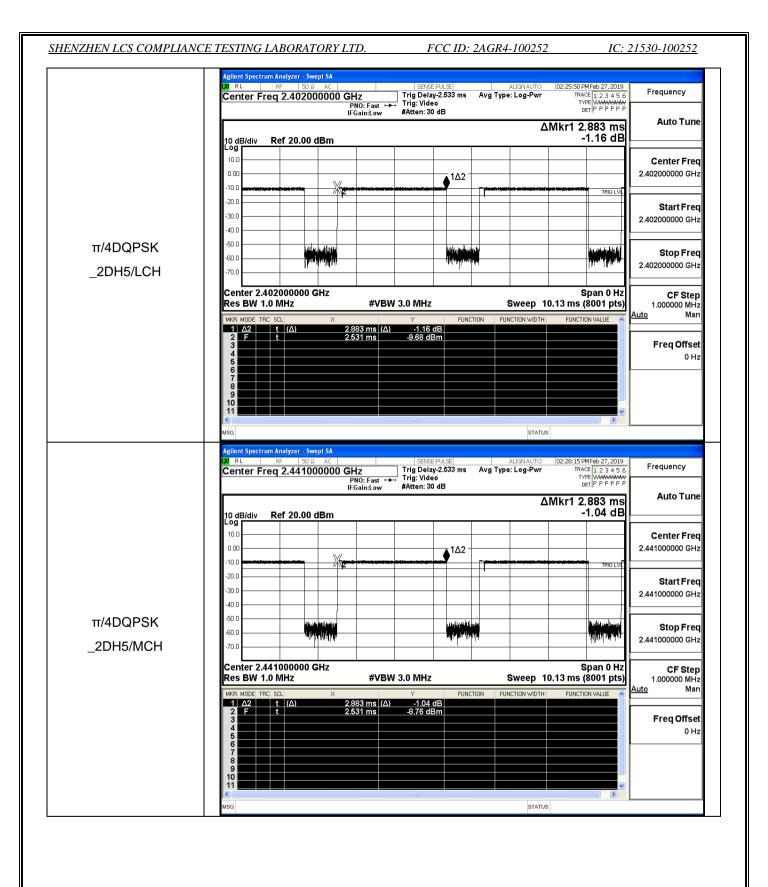
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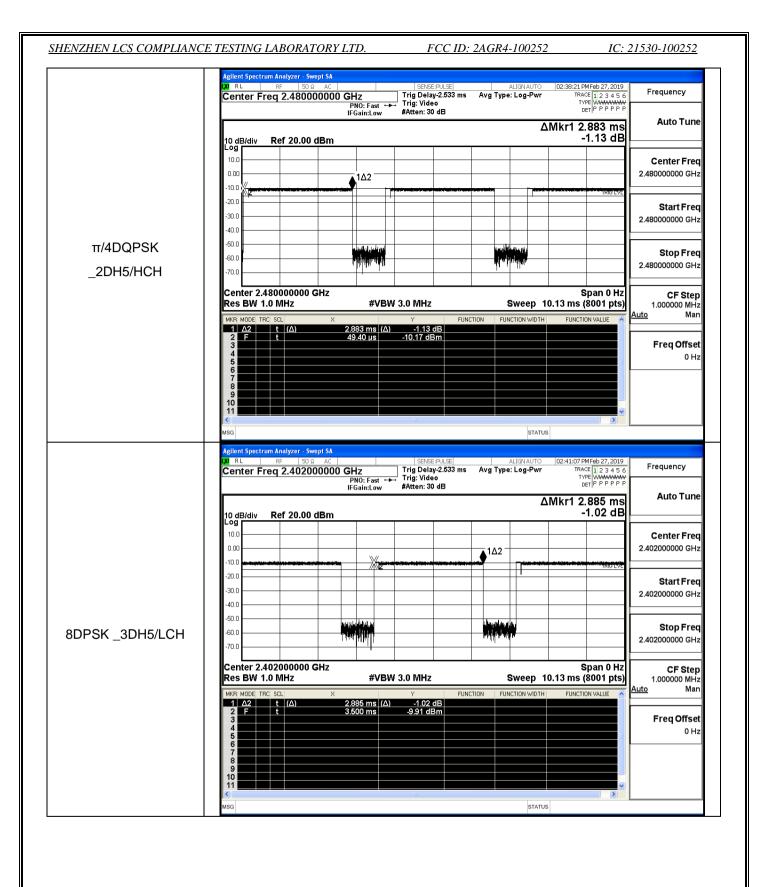
A.5 Dwell Time

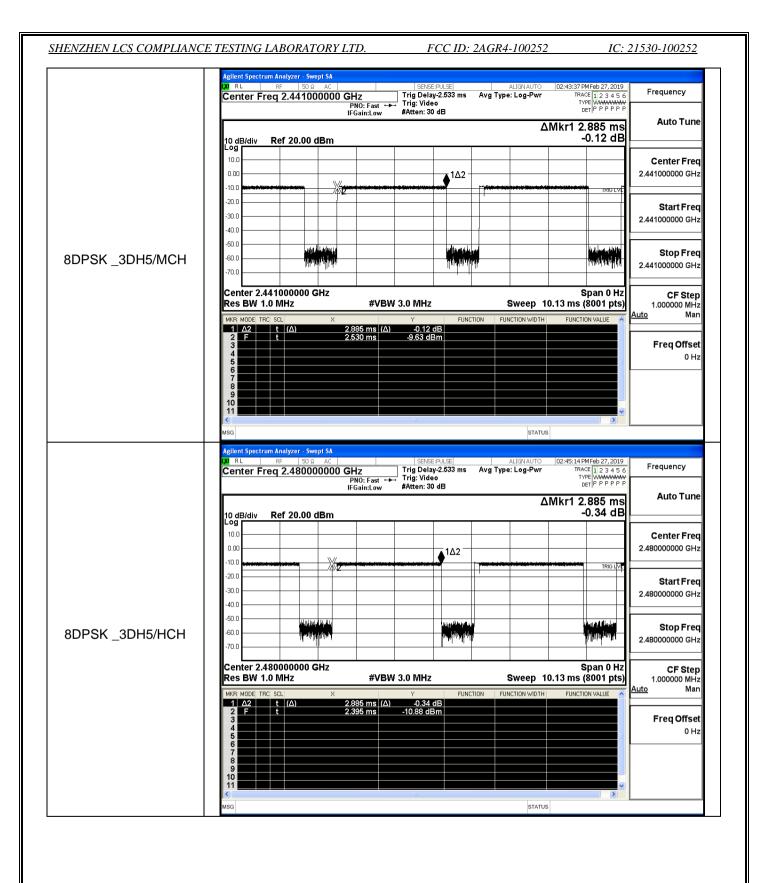
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





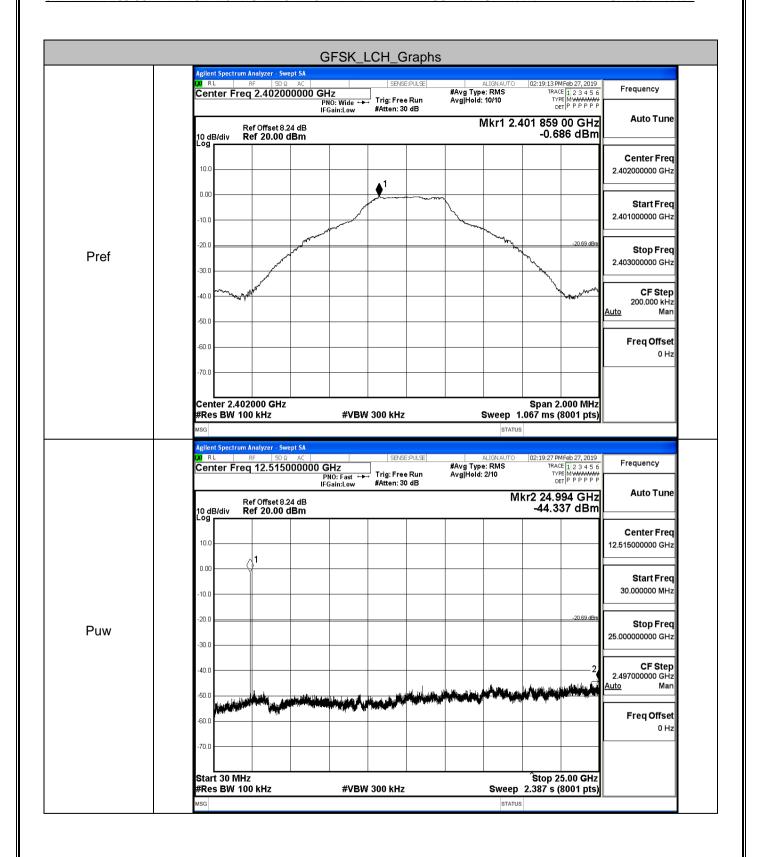


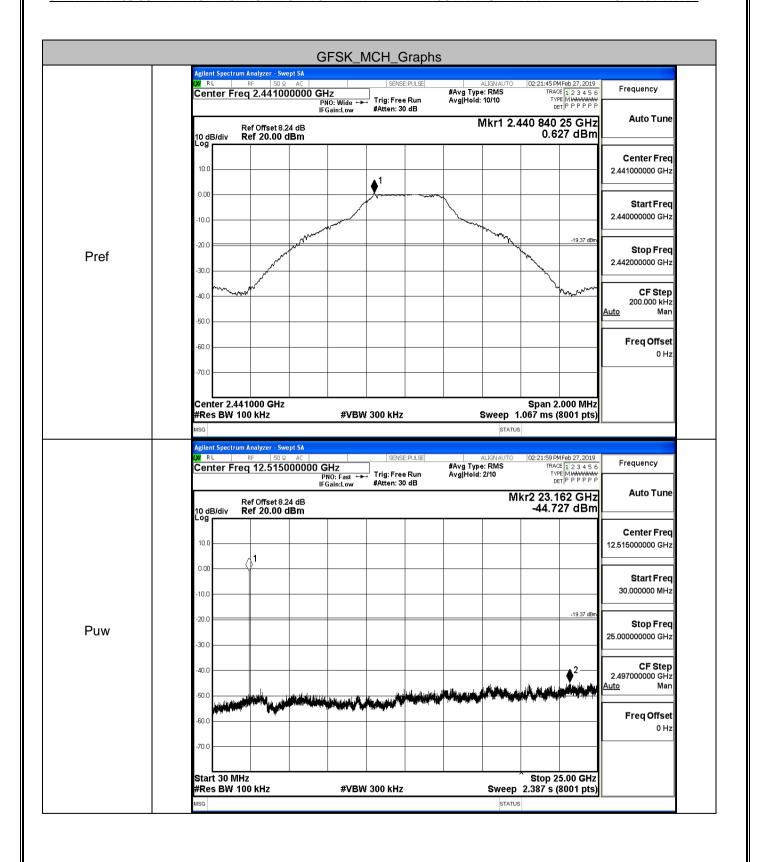


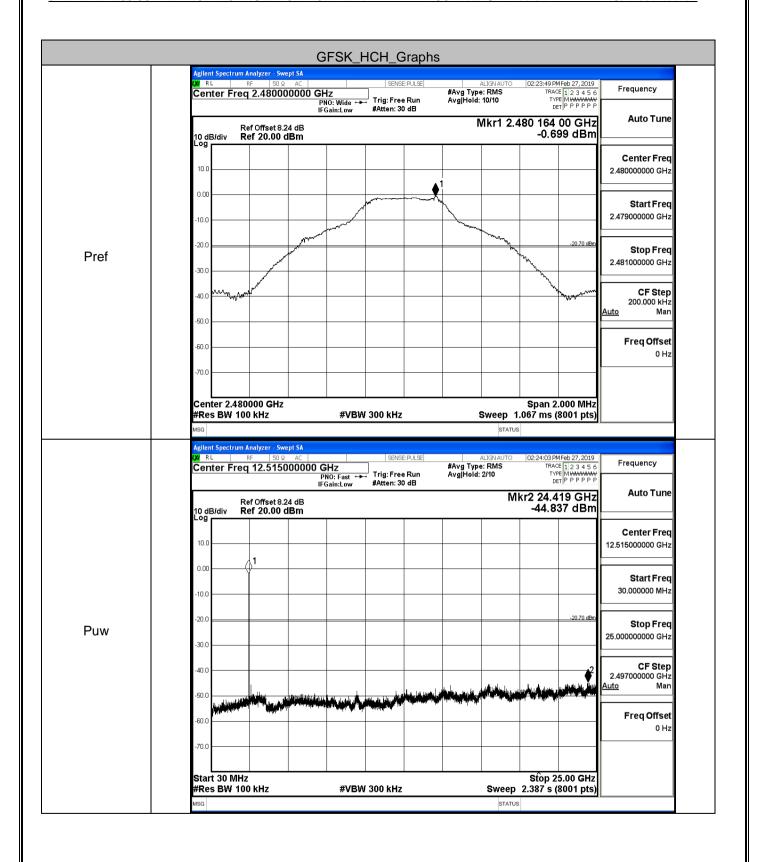


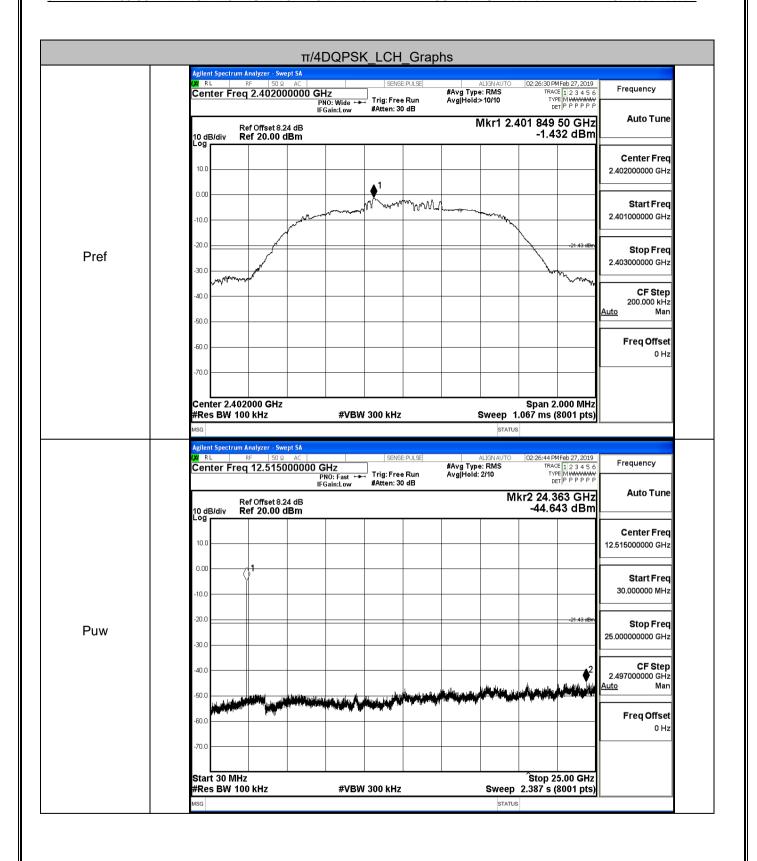
A.6 RF Conducted Spurious Emissions

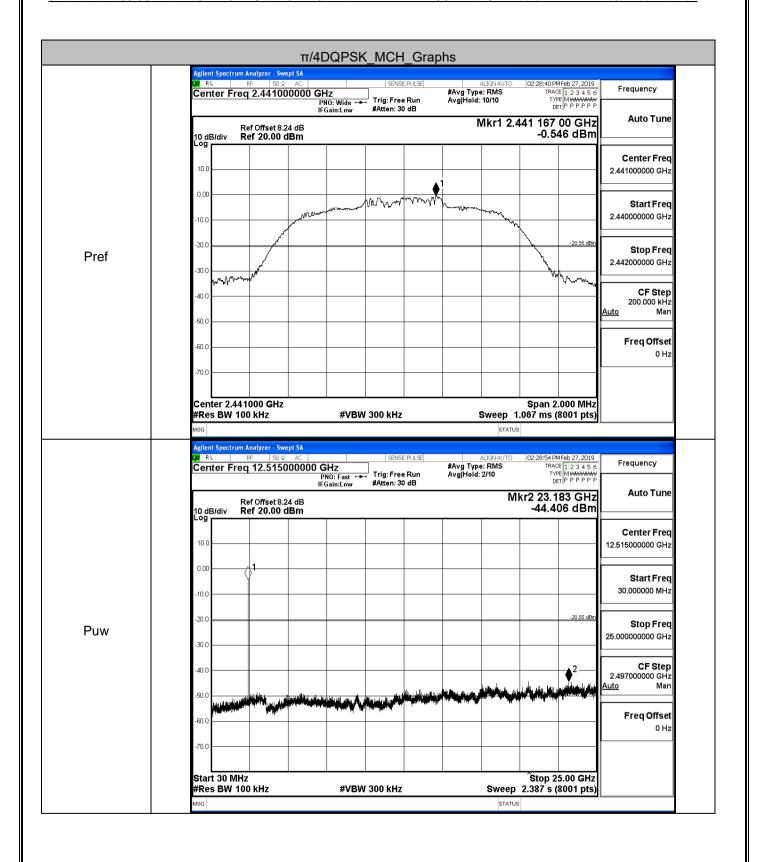
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.686	-44.337	-20.686	PASS
GFSK	MCH	0.627	-44.727	-19.373	PASS
	НСН	-0.699	-44.837	-20.699	PASS
	LCH	-1.432	-44.643	-21.432	PASS
π/4DQPSK	MCH	-0.546	-44.406	-20.546	PASS
	HCH	-1.826	-44.909	-21.826	PASS
	LCH	-1.365	-44.290	-21.365	PASS
8DPSK	MCH	-0.443	-44.725	-20.443	PASS
	HCH	-2.532	-44.857	-22.532	PASS

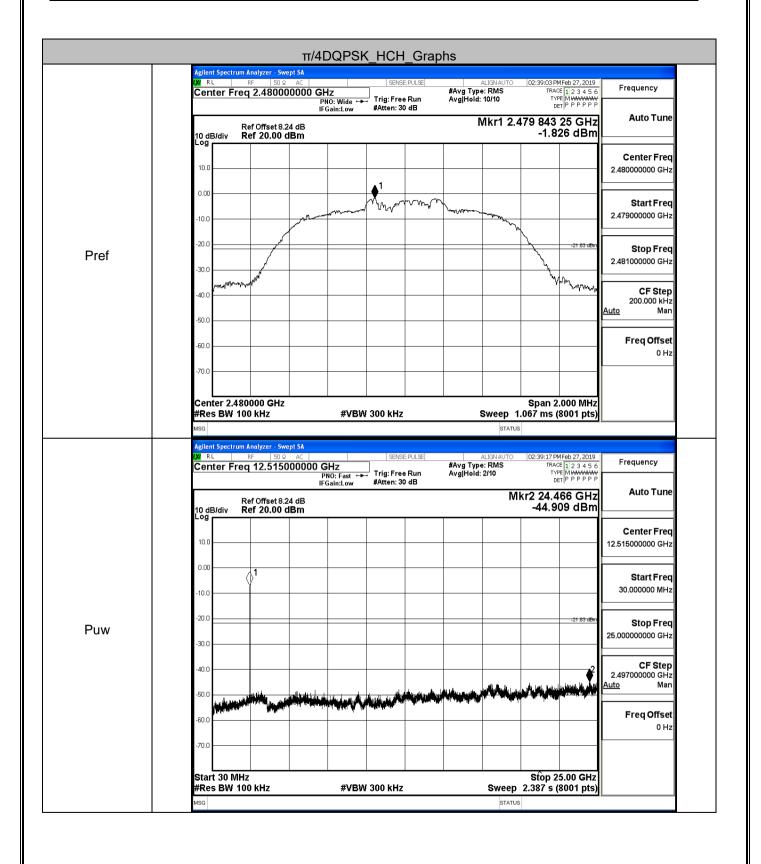


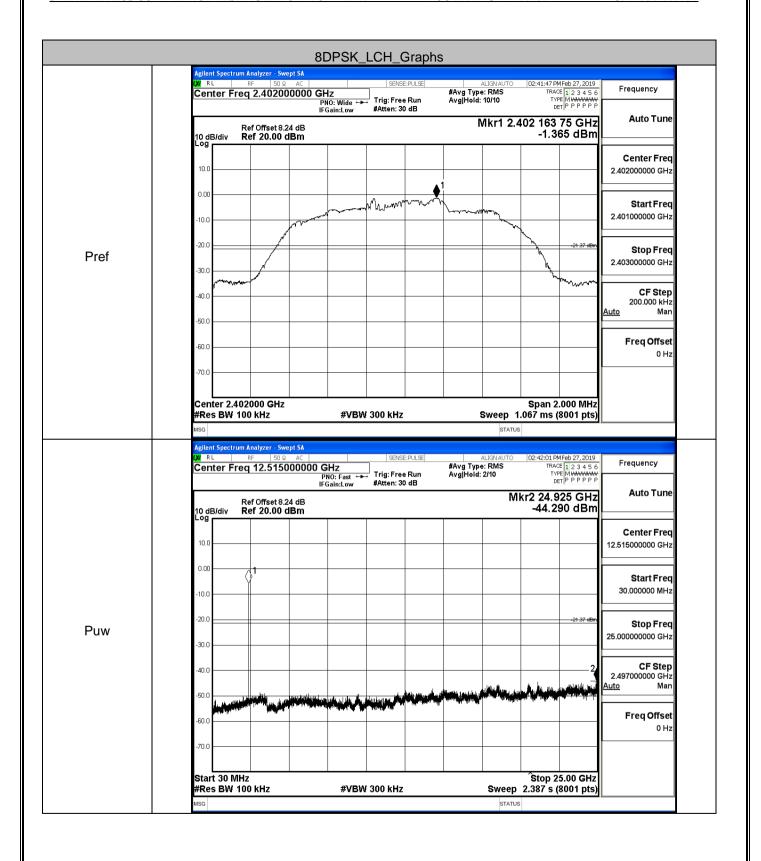


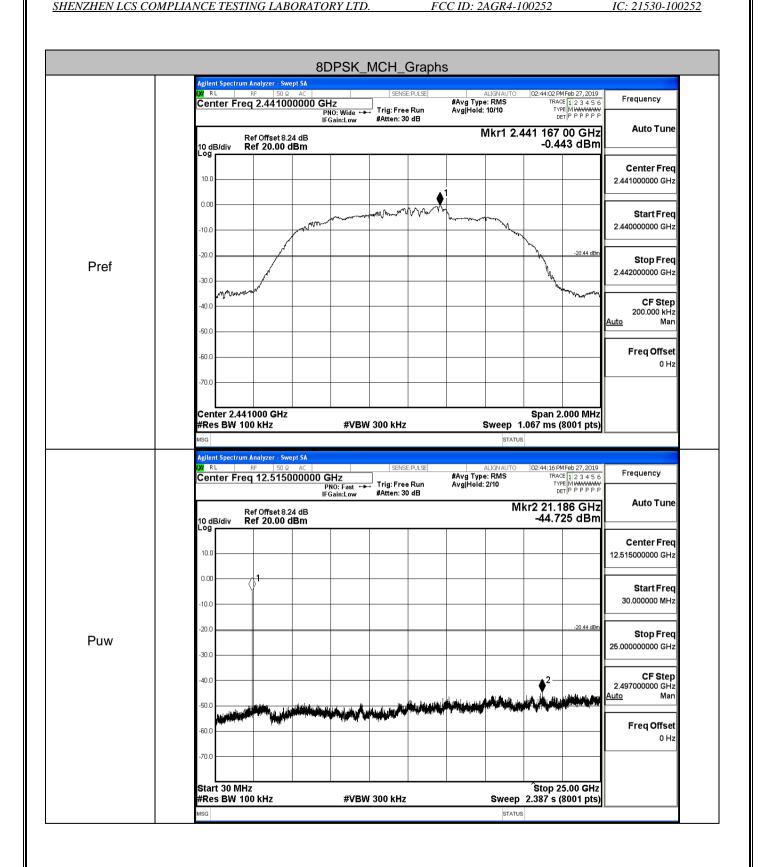


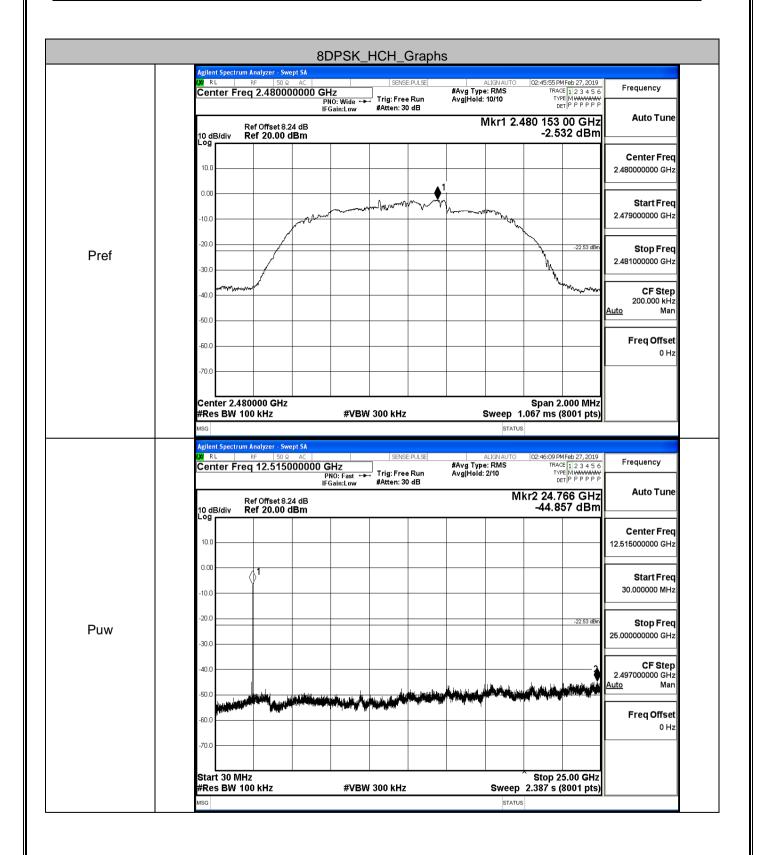






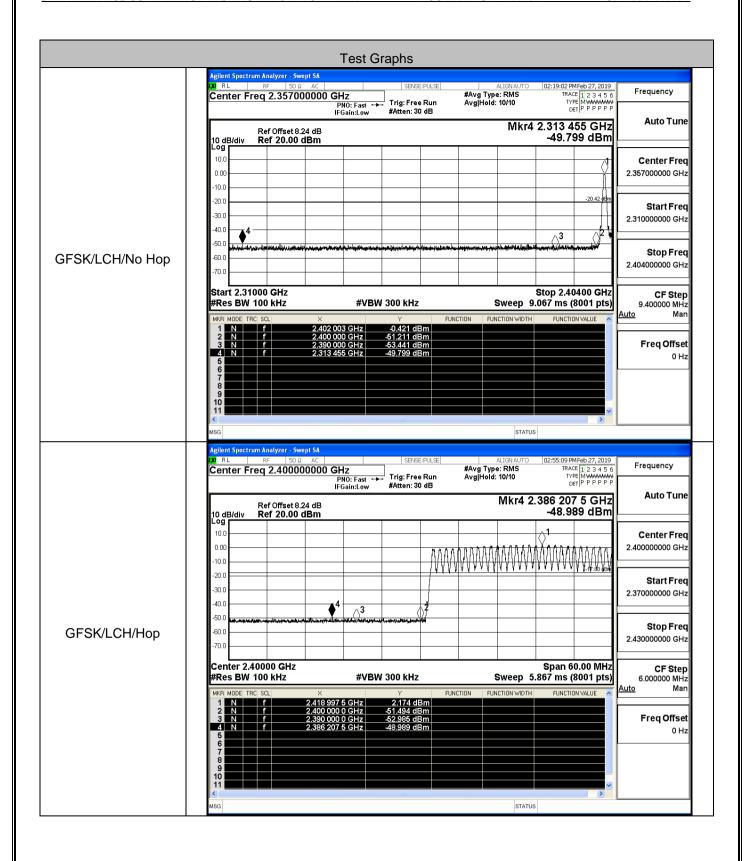


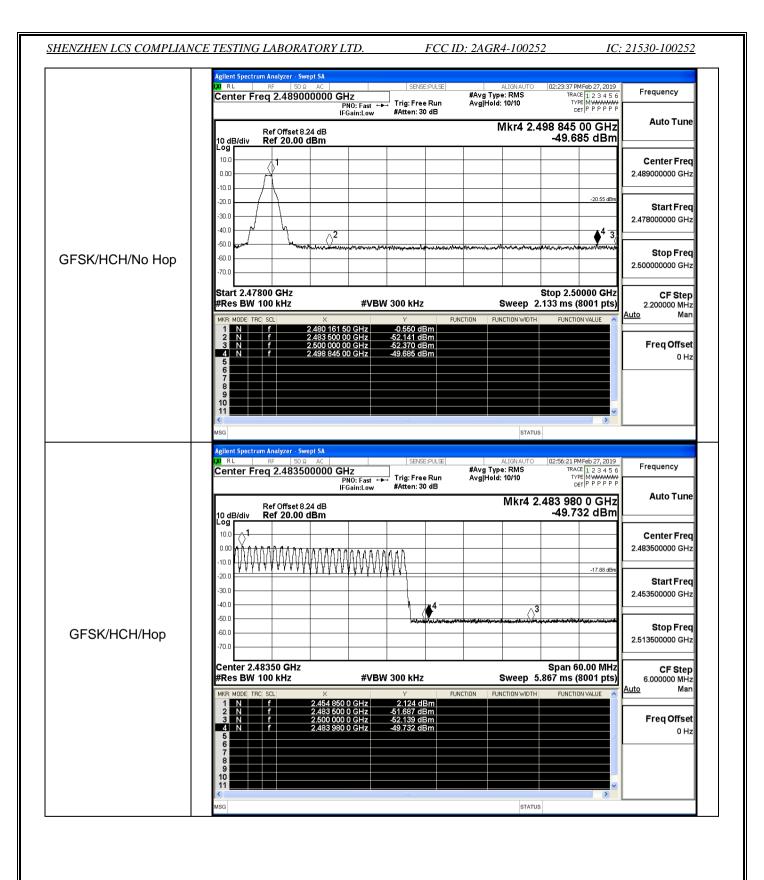


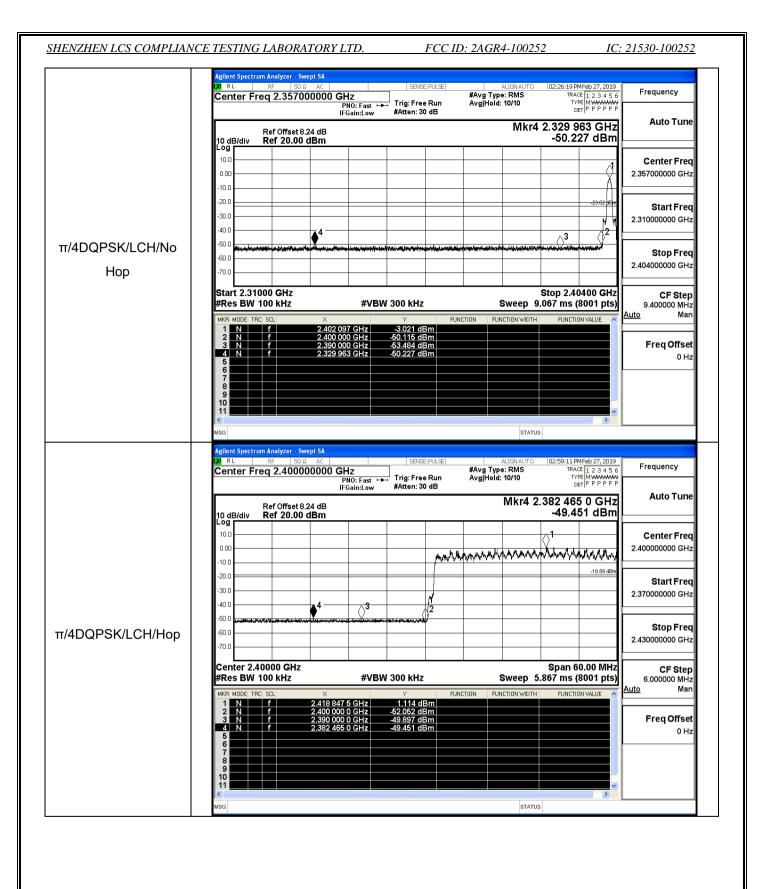


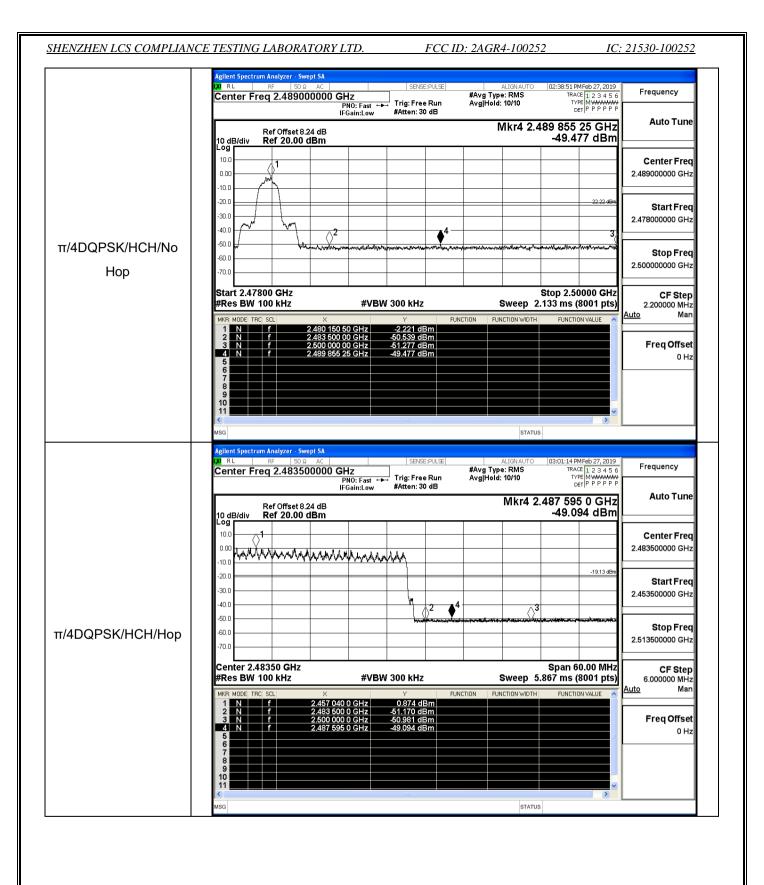
A.7 Band-edge for RF Conducted Emissions

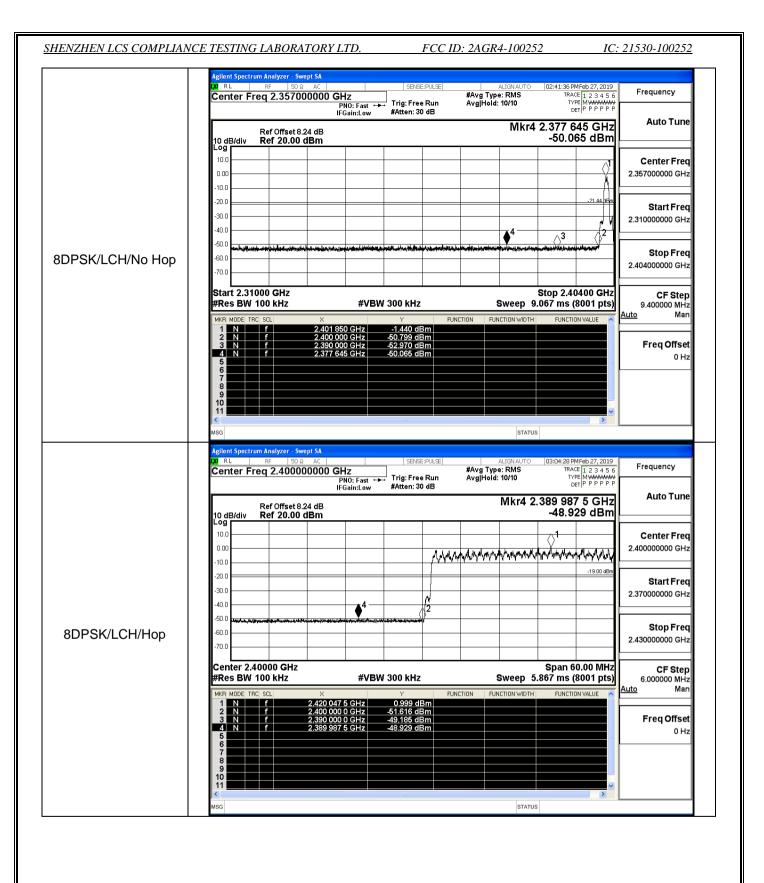
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
			-0.421	Off	-49.799	-20.42	PASS
2-21/	LCH	2402	2.174	On	-48.989	-17.83	PASS
GFSK			-0.550	Off	-49.685	-20.55	PASS
	HCH	2480	2.124	On	-49.732	-17.88	PASS
			-3.021	Off	-50.227	-23.02	PASS
	LCH	2402	1.114	On	-49.451	-18.89	PASS
π/4DQPSK			-2.221	Off	-49.477	-22.22	PASS
	HCH	2480	0.874	On	-49.094	-19.13	PASS
			-1.440	Off	-50.065	-21.44	PASS
	LCH	2402	0.999	On	-48.929	-19.00	PASS
8DPSK			-1.736	Off	-49.193	-21.74	PASS
	HCH	2480	0.840	On	-48.873	-19.16	PASS

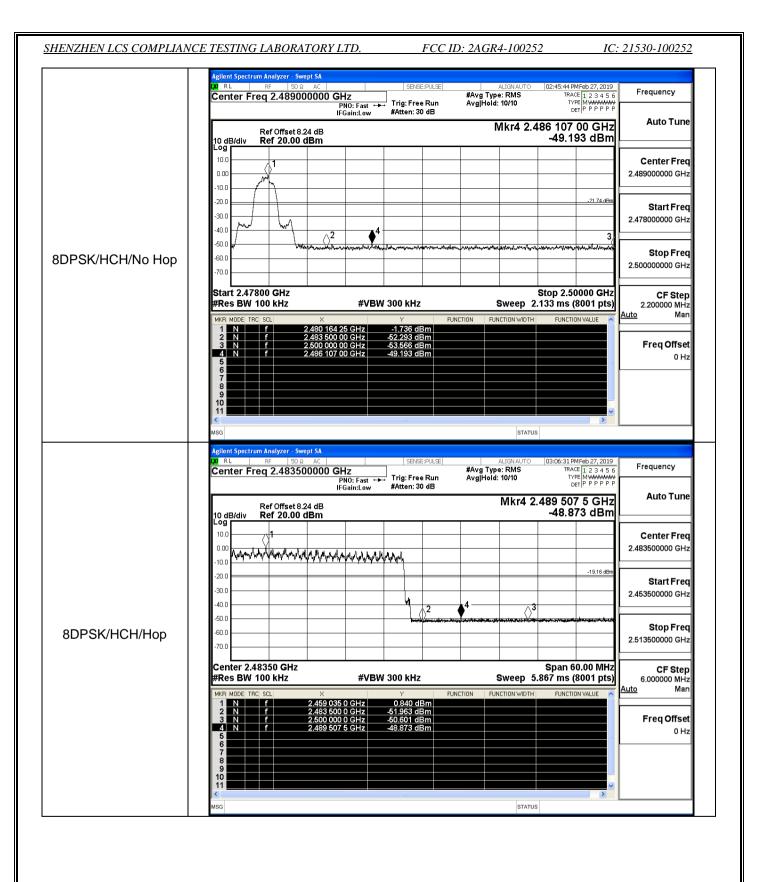






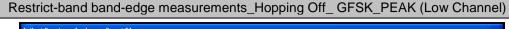


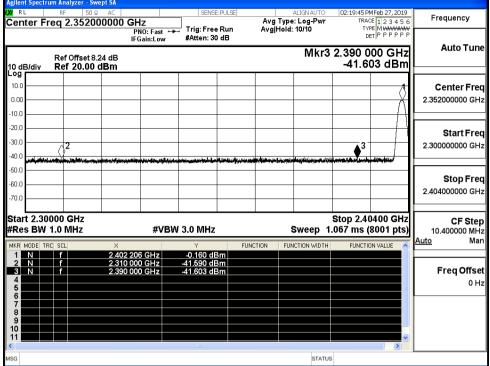




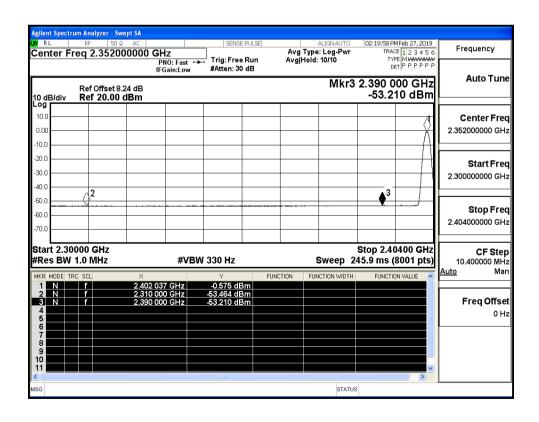
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-41.59	2.0	0	55.67	PEAK	74	PASS
	Off	2310.0	-53.46	2.0	0	43.79	AV	54	PASS
	Off	2390.0	-41.60	2.0	0	55.65	PEAK	74	PASS
	Off	2390.0	-53.21	2.0	0	44.05	AV	54	PASS
GFSK	Off	2483.5	-42.86	2.0	0	54.40	PEAK	74	PASS
	Off	2483.5	-53.01	2.0	0	44.25	AV	54	PASS
	Off	2500.0	-42.49	2.0	0	54.77	PEAK	74	PASS
	Off	2500.0	-52.86	2.0	0	44.40	AV	54	PASS
	Off	2310.0	-43.79	2.0	0	53.46	PEAK	74	PASS
	Off	2310.0	-53.52	2.0	0	43.74	AV	54	PASS
	Off	2390.0	-42.57	2.0	0	54.69	PEAK	74	PASS
/4D 0 D01/	Off	2390.0	-53.19	2.0	0	44.07	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.07	2.0	0	54.19	PEAK	74	PASS
	Off	2483.5	-52.98	2.0	0	44.28	AV	54	PASS
	Off	2500.0	-42.65	2.0	0	54.61	PEAK	74	PASS
	Off	2500.0	-52.95	2.0	0	44.30	AV	54	PASS
	Off	2310.0	-43.74	2.0	0	53.52	PEAK	74	PASS
	Off	2310.0	-53.45	2.0	0	43.81	AV	54	PASS
	Off	2390.0	-43.71	2.0	0	53.55	PEAK	74	PASS
	Off	2390.0	-53.36	2.0	0	43.90	AV	54	PASS
8DPSK	Off	2483.5	-43.12	2.0	0	54.14	PEAK	74	PASS
	Off	2483.5	-52.96	2.0	0	44.30	AV	54	PASS
	Off	2500.0	-43.33	2.0	0	53.93	PEAK	74	PASS
	Off	2500.0	-52.95	2.0	0	44.30	AV	54	PASS

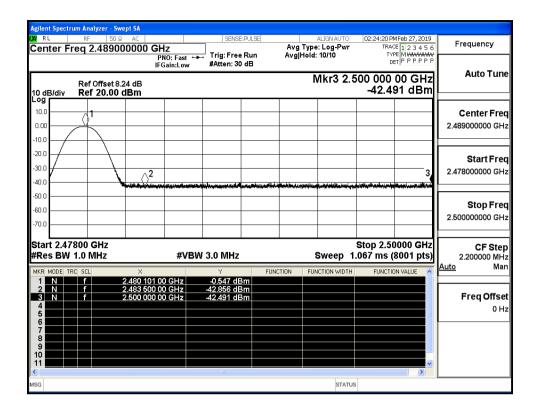




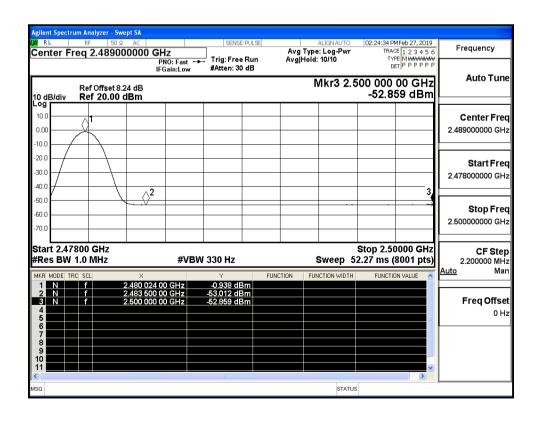
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



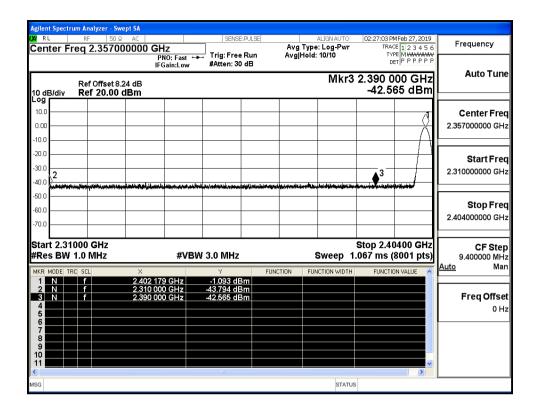
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



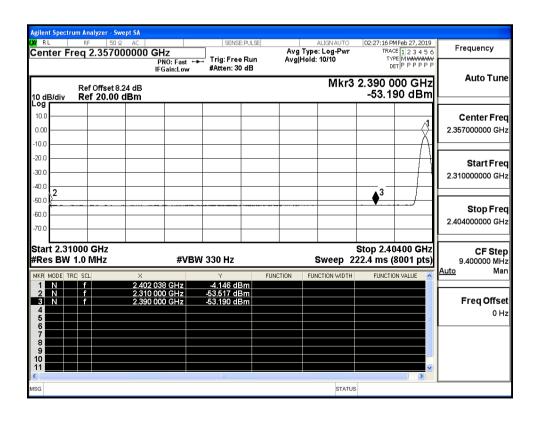
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



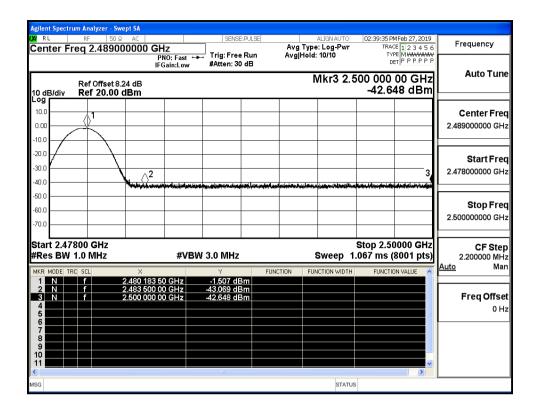
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



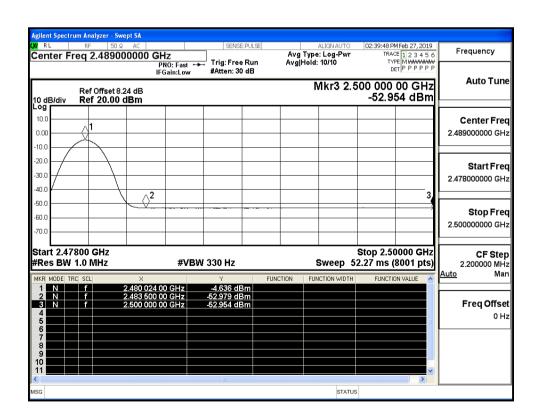
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



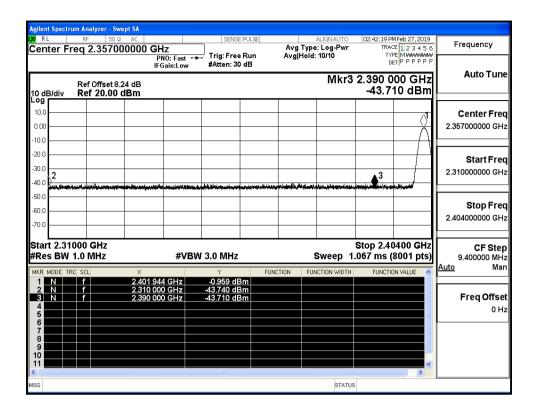
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



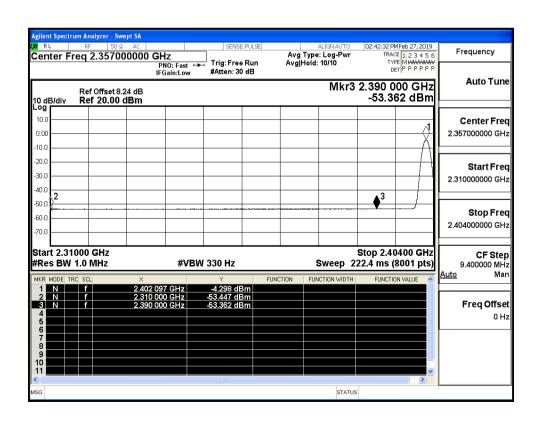
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



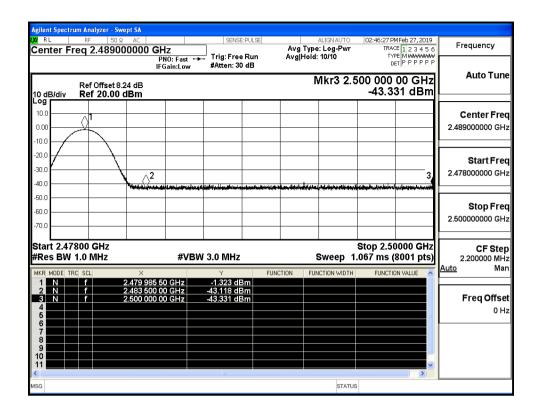
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

