Appendix A

RF Test Data for BT 4.1 (BDR/EDR) (Conducted Measurement)

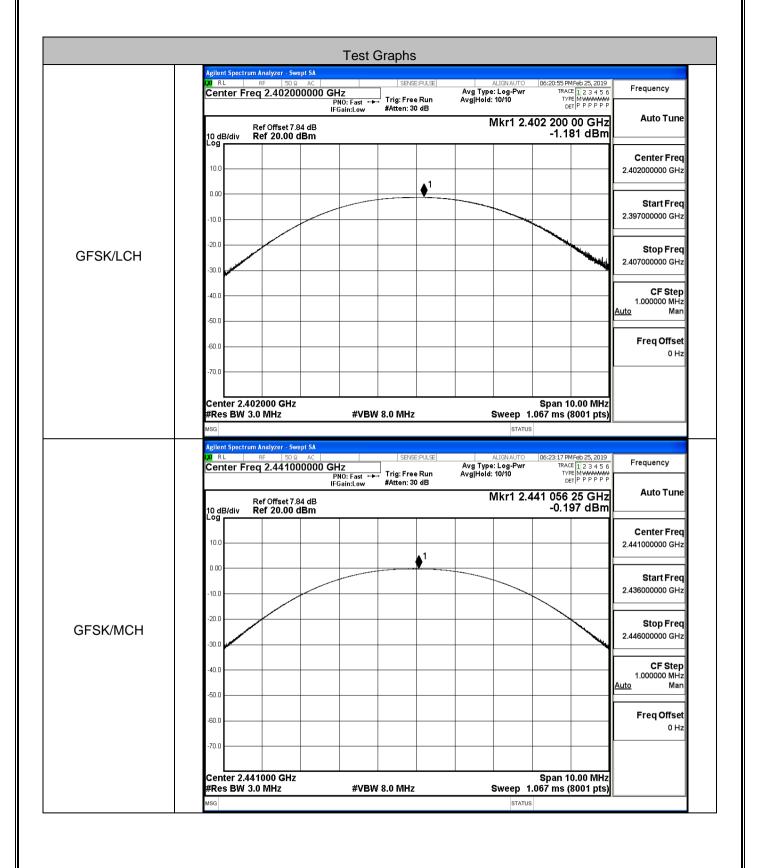
Product Name: Android TV BOX Trade Mark: N/A Test Model: KM9

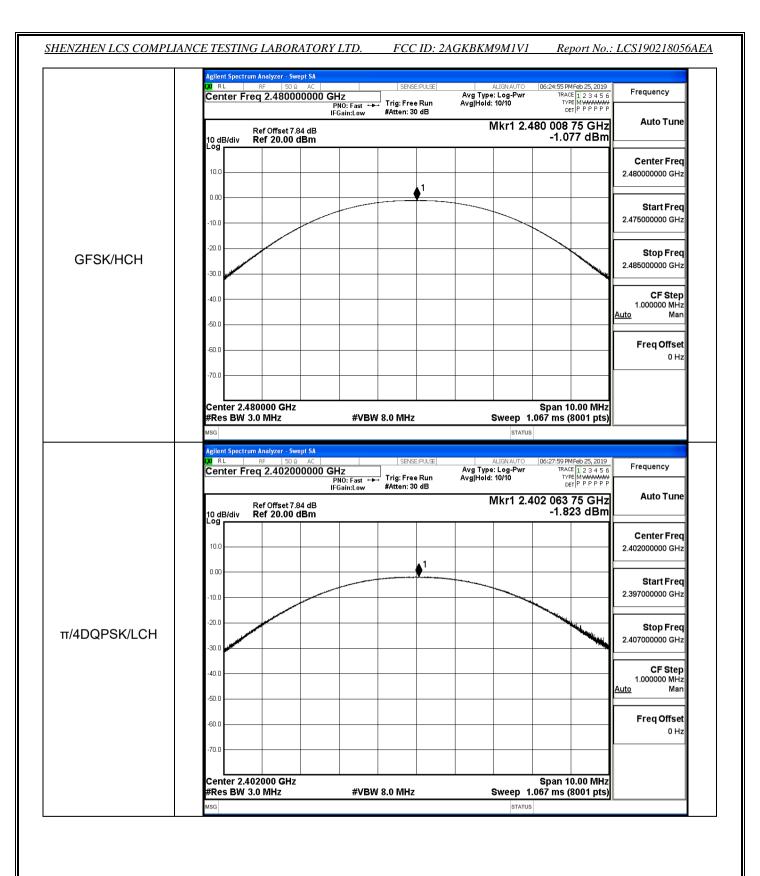
Environmental Conditions

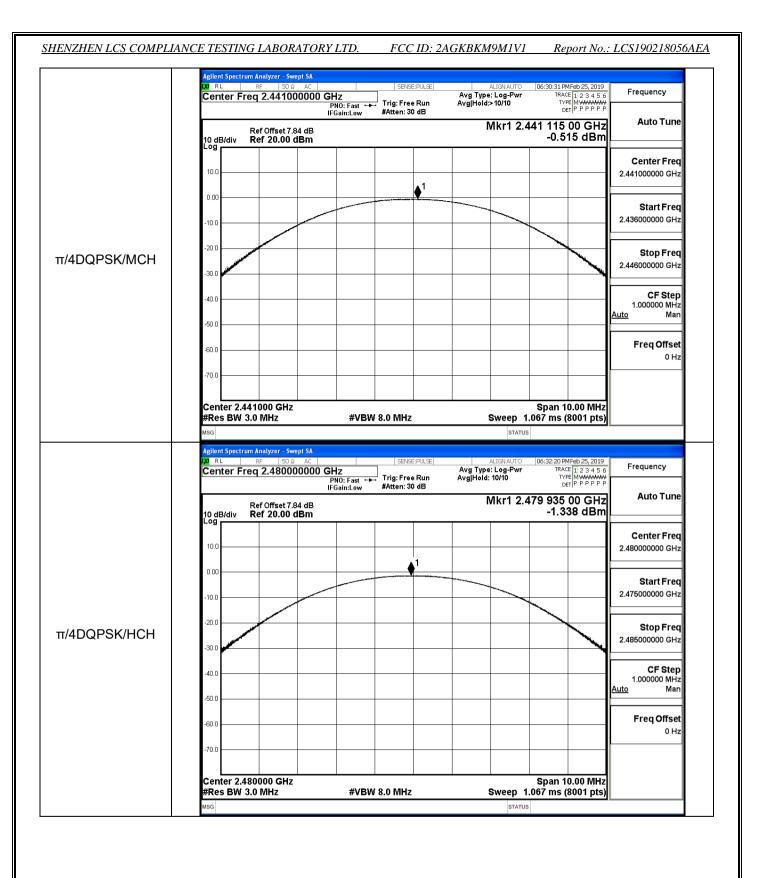
Temperature:	23.8 ° C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang Chuang
Supervised by:	Jayden.Zhuo

A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	LCH -1.181		PASS
GFSK	MCH	-0.197	21	PASS
	НСН	-1.077	21	PASS
	LCH	-1.823	21	PASS
π/4DQPSK	MCH	-0.515	21	PASS
	НСН	-1.338	21	PASS
	LCH	-1.659	21	PASS
8DPSK	MCH	-0.373	21	PASS
	HCH	-1.097	21	PASS

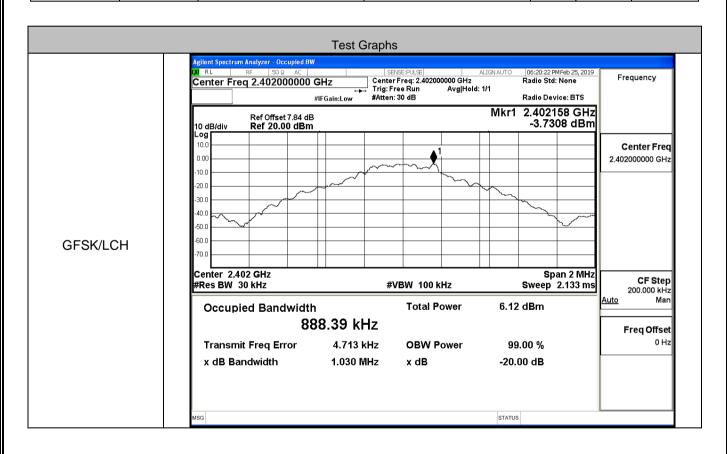






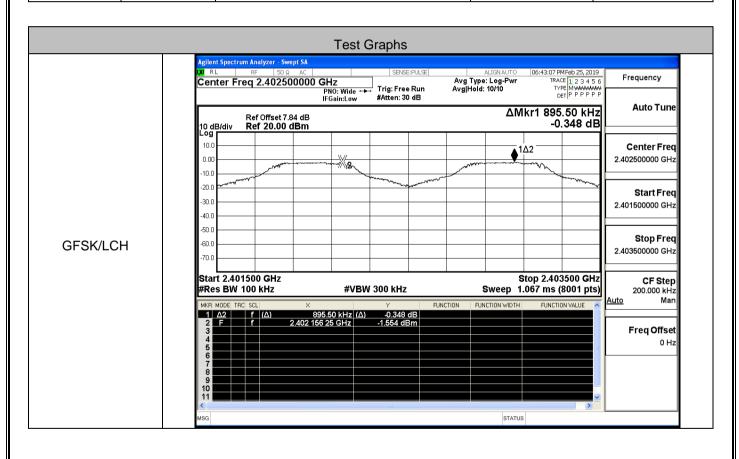
A.2 99% and 20dB Bandwidth

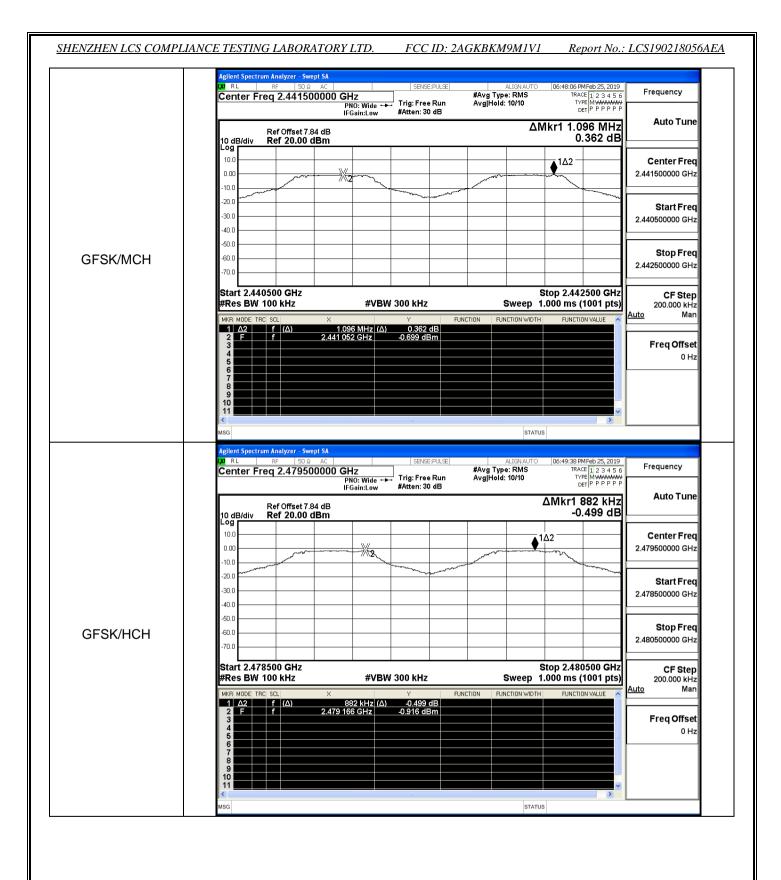
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.88839	1.030	Not Specified	PASS
GFSK	MCH	0.89280	1.029	Not Specified	PASS
	НСН	0.89674	1.029	Not Specified	PASS
	LCH	1.1798	1.315	Not Specified	PASS
π/4DQPSK	MCH	1.1759	1.313	Not Specified	PASS
	HCH	1.1741	1.292	Not Specified	PASS
	LCH	1.1925	1.297	Not Specified	PASS
8DPSK	MCH	1.1891	1.297	Not Specified	PASS
	HCH	1.1868	1.298	Not Specified	PASS

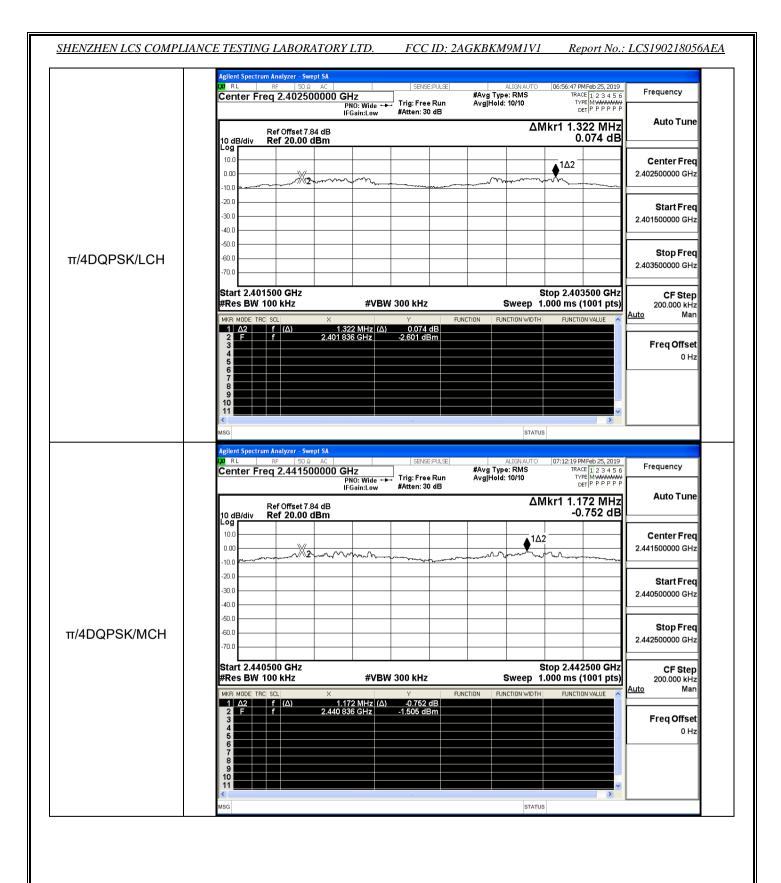


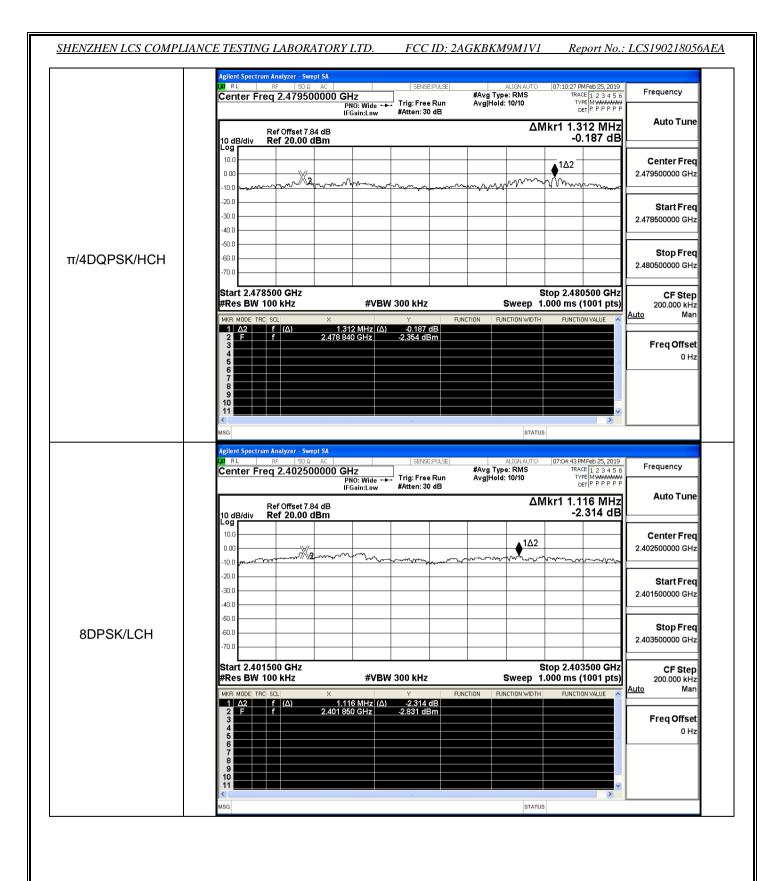
A.3 Carrier Frequency Separation

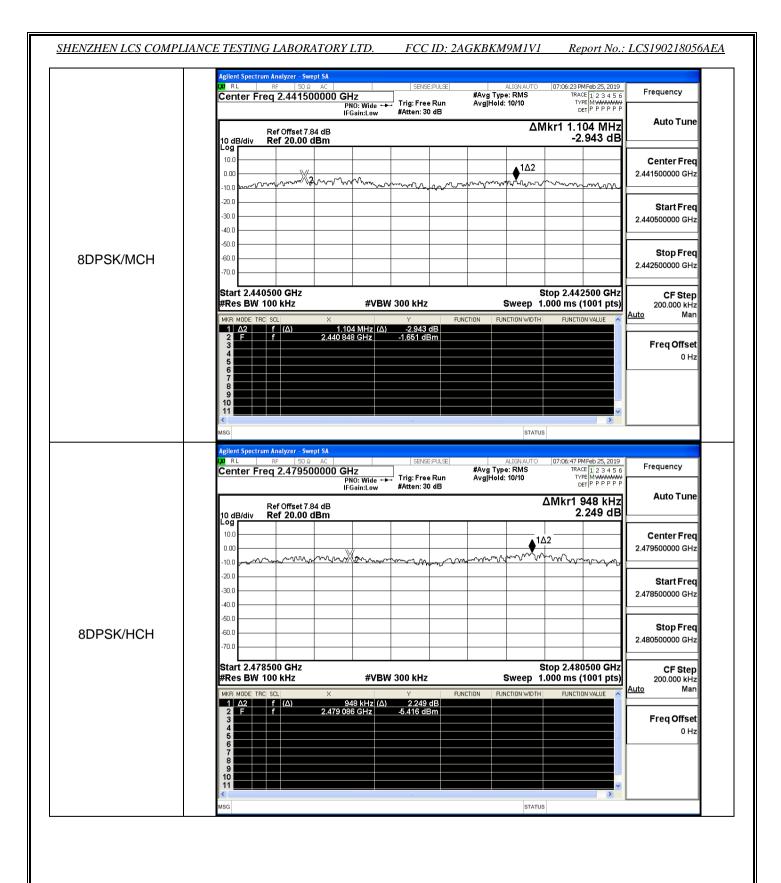
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.896	0.687	PASS
GFSK	MCH	1.096	0.687	PASS
	HCH	0.882	0.687	PASS
	LCH	1.322	0.877	PASS
π/4DQPSK	MCH	1.172	0.877	PASS
	HCH	1.312	0.877	PASS
	LCH	1.116	0.865	PASS
8DPSK	MCH	1.104	0.865	PASS
	HCH	0.948	0.865	PASS





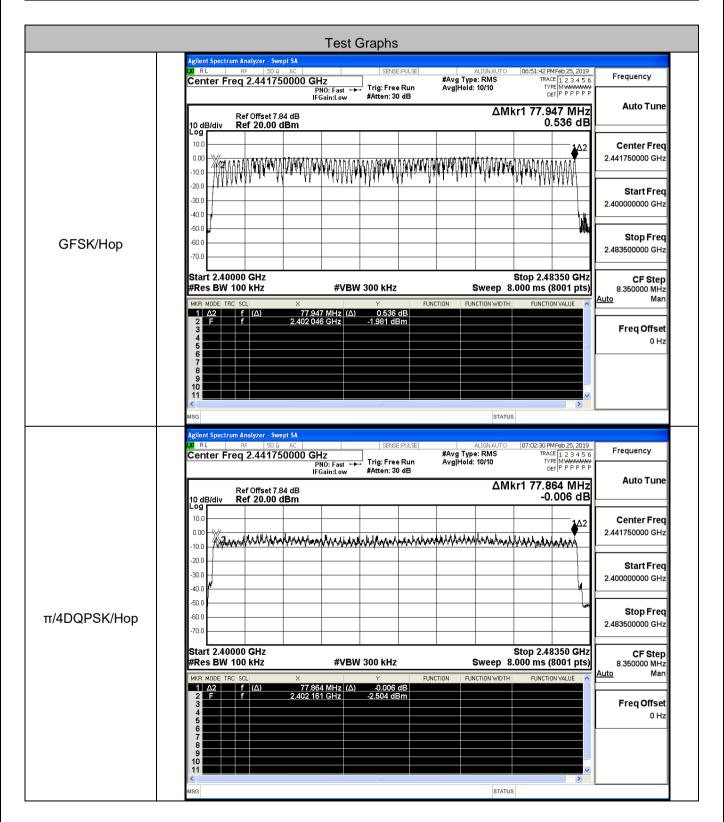


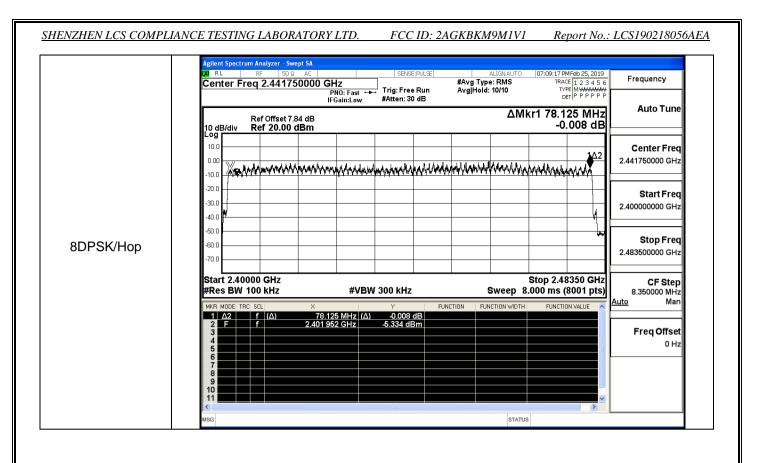




A.4 Hopping Channel Number

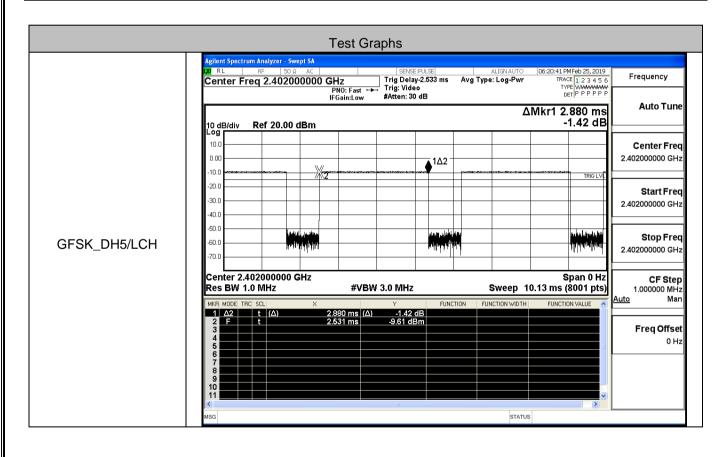
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK Hop		79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

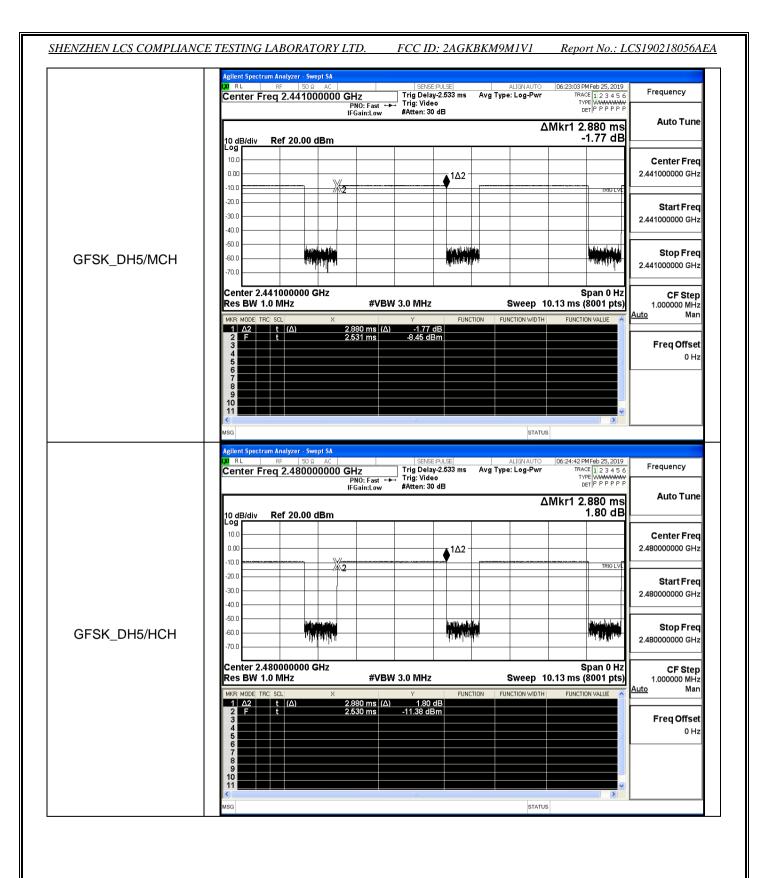


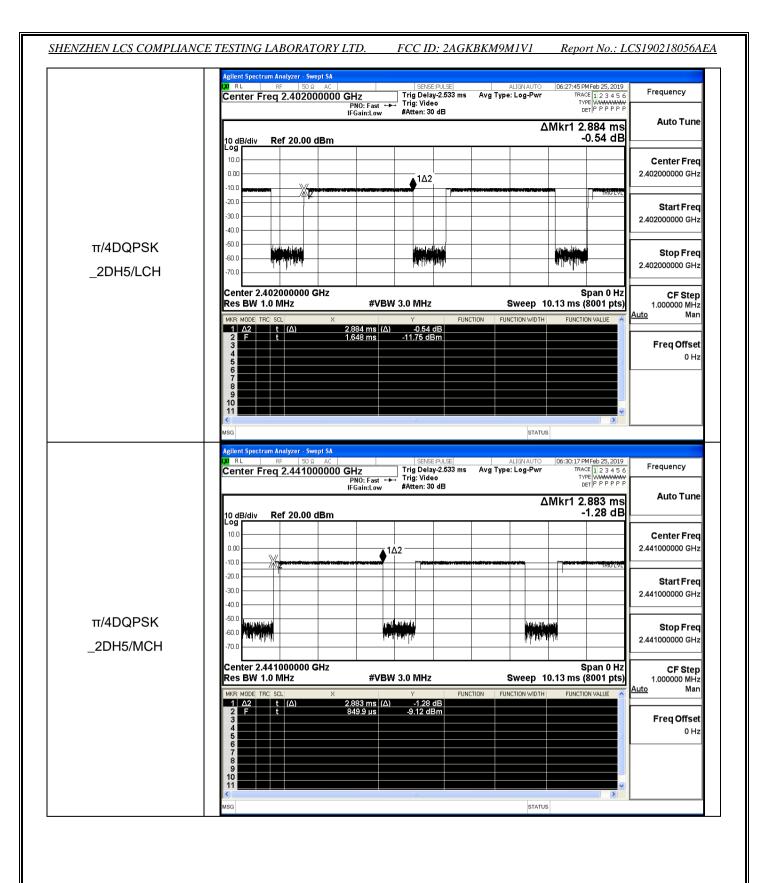


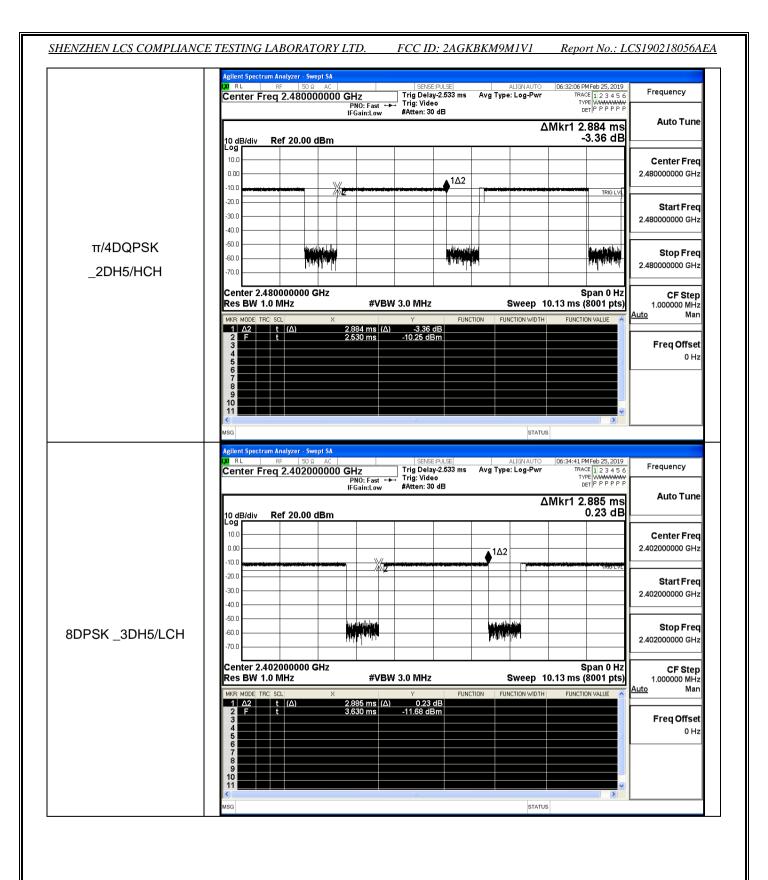
A.5 Dwell Time

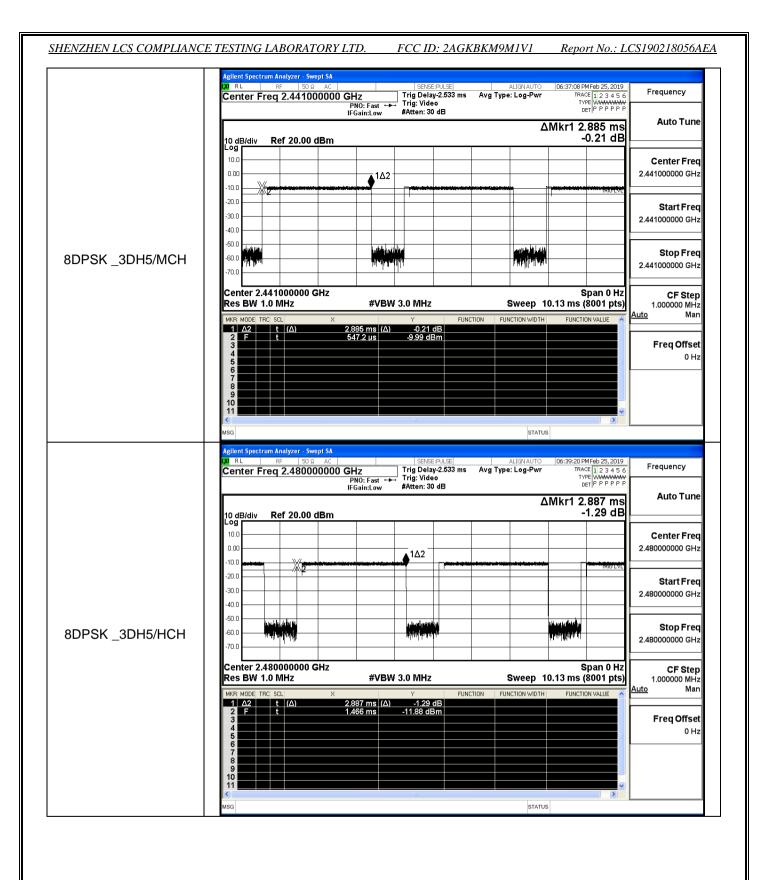
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5 HCH		2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





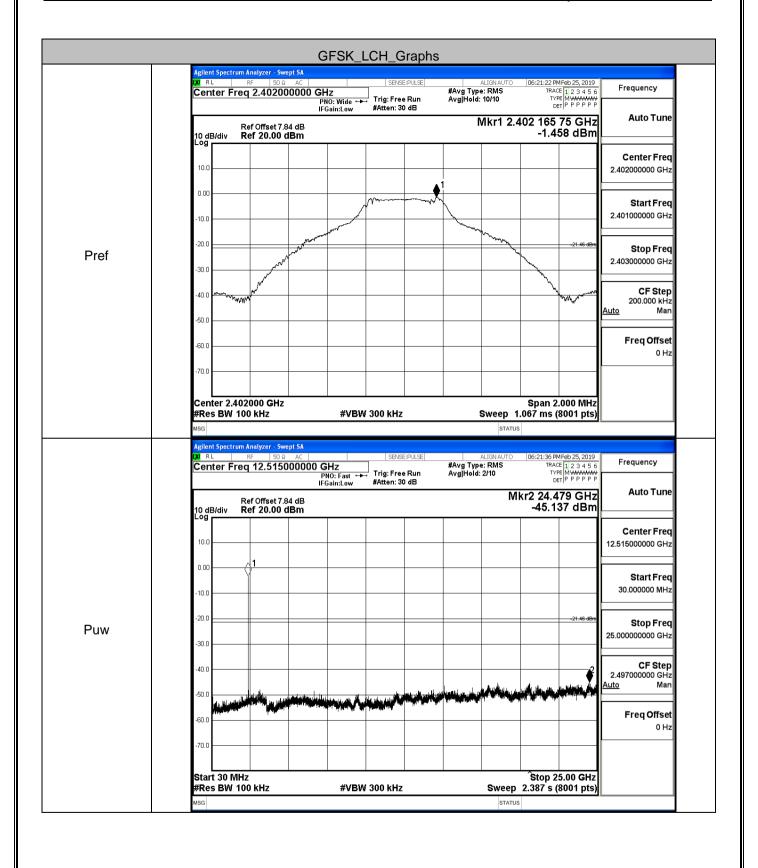


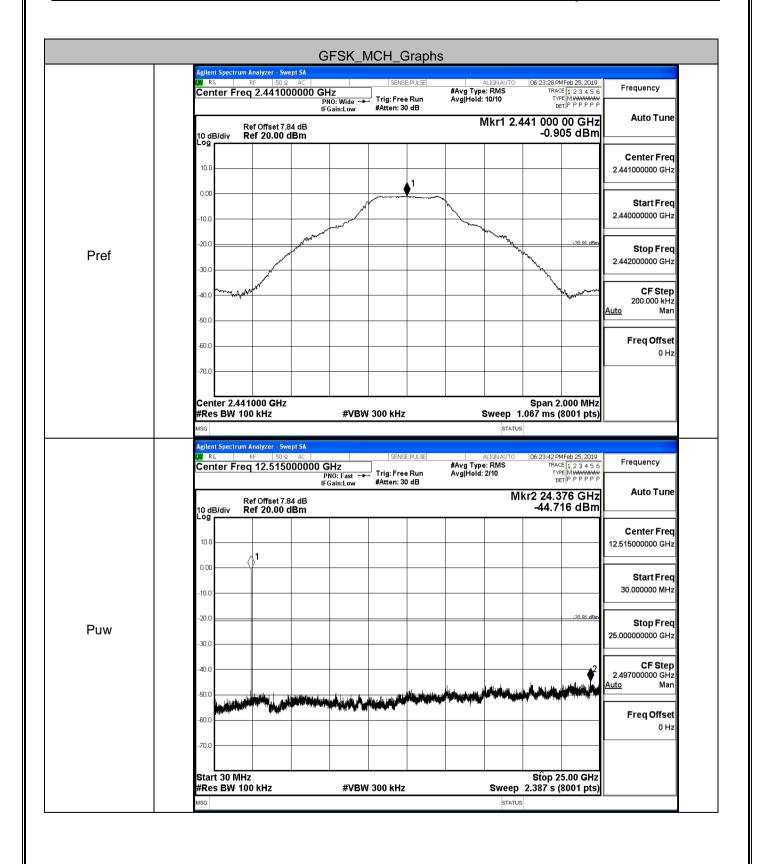


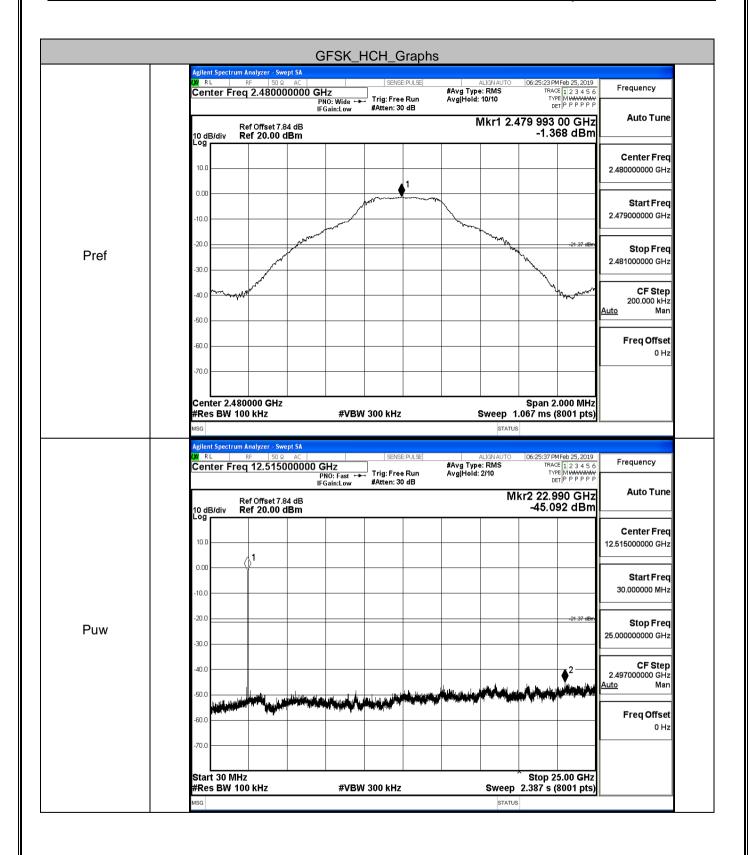


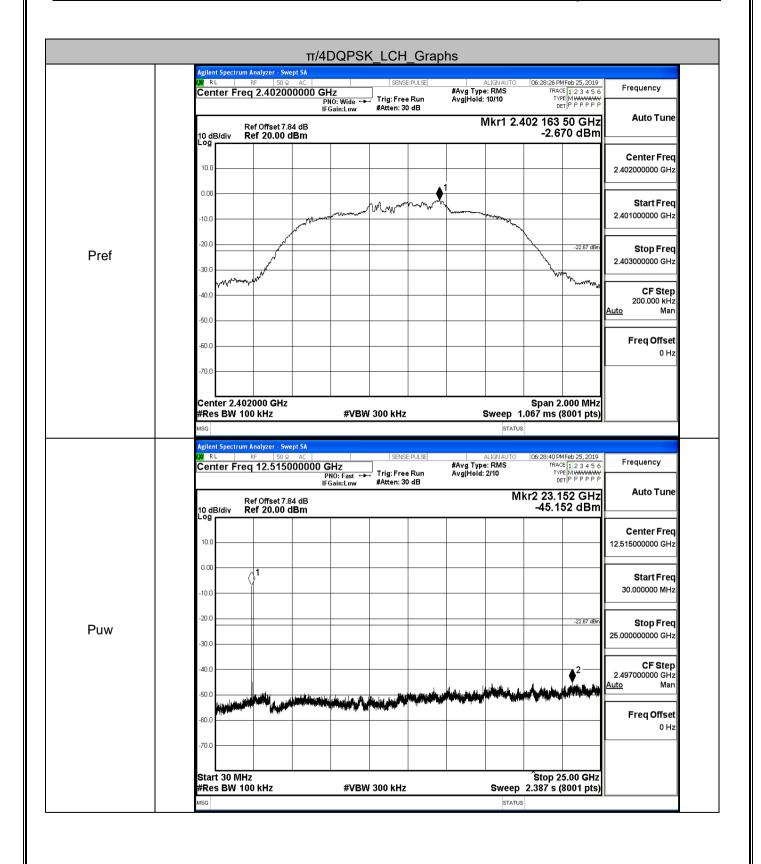
A.6 RF Conducted Spurious Emissions

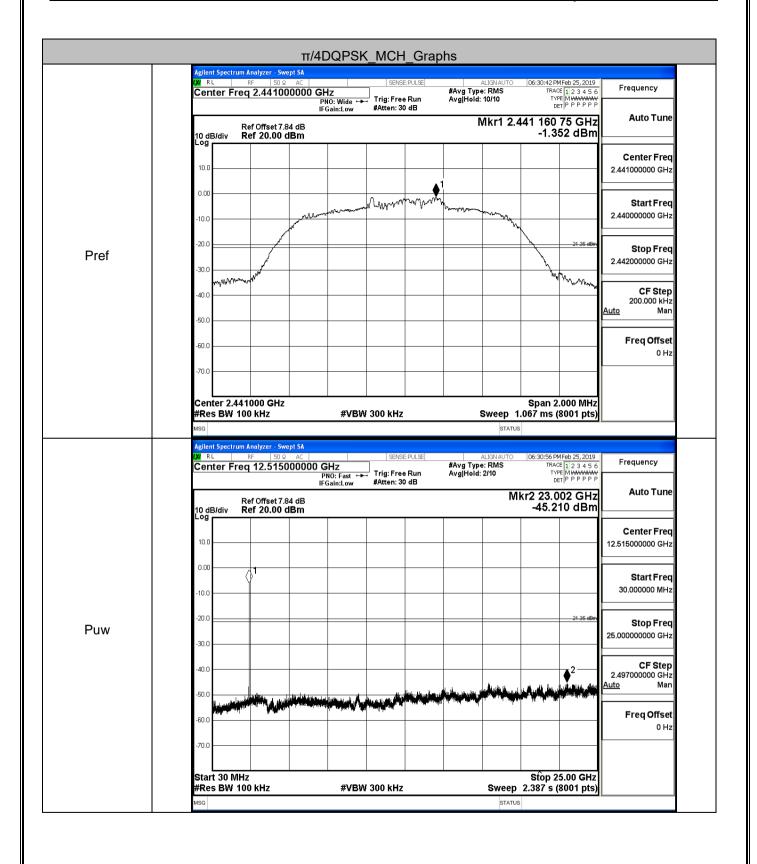
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.458	-45.137	-21.458	PASS
GFSK	MCH	-0.905	-44.716	-20.905	PASS
	НСН	-1.368	-45.092	-21.368	PASS
	LCH	-2.67	-45.152	-22.670	PASS
π/4DQPSK	MCH	-1.352	-45.210	-21.352	PASS
	HCH	-2.084	-44.855	-22.084	PASS
	LCH	-2.509	-44.459	-22.509	PASS
8DPSK	MCH	-1.381	-45.356	-21.381	PASS
	HCH	-2.402	-44.347	-22.402	PASS

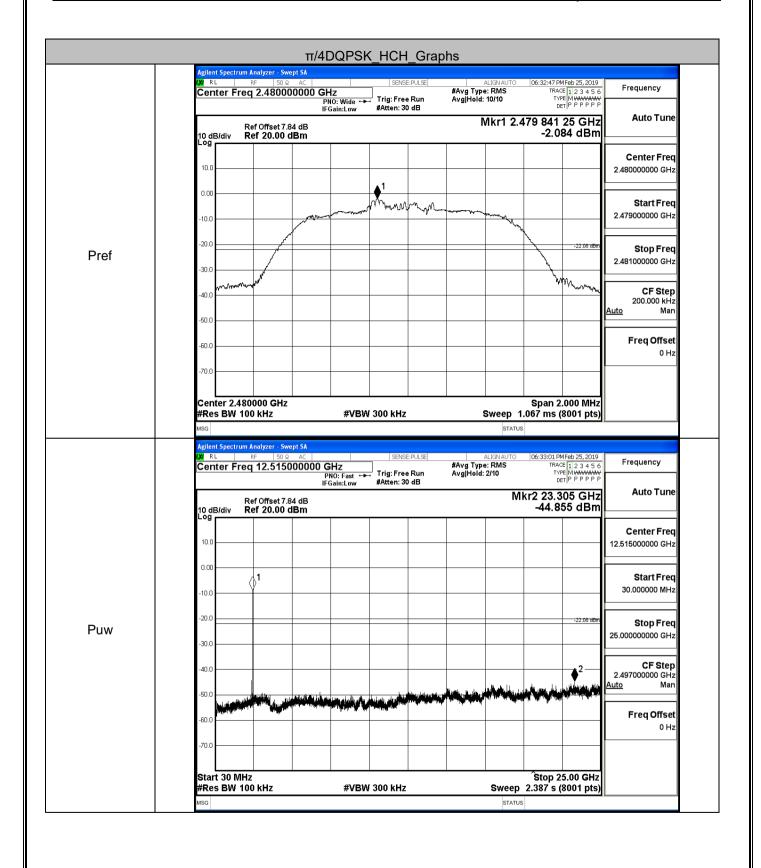


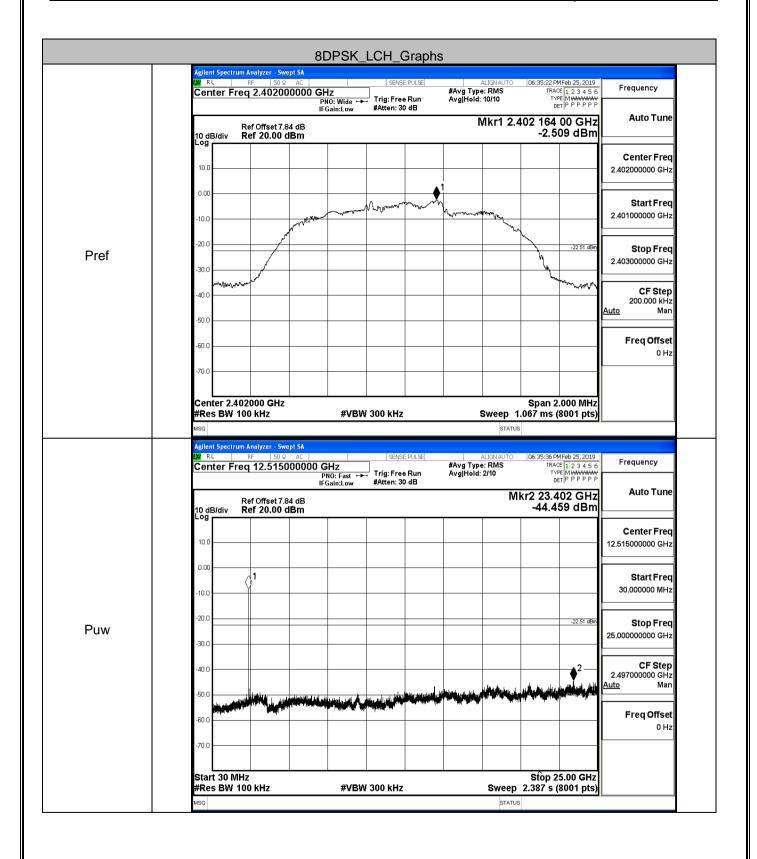


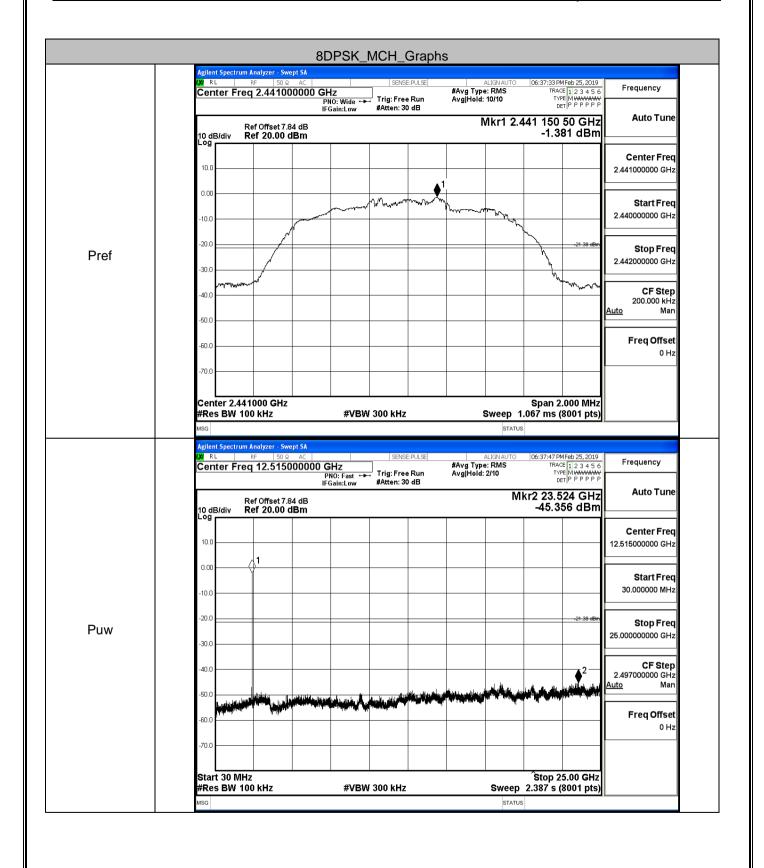


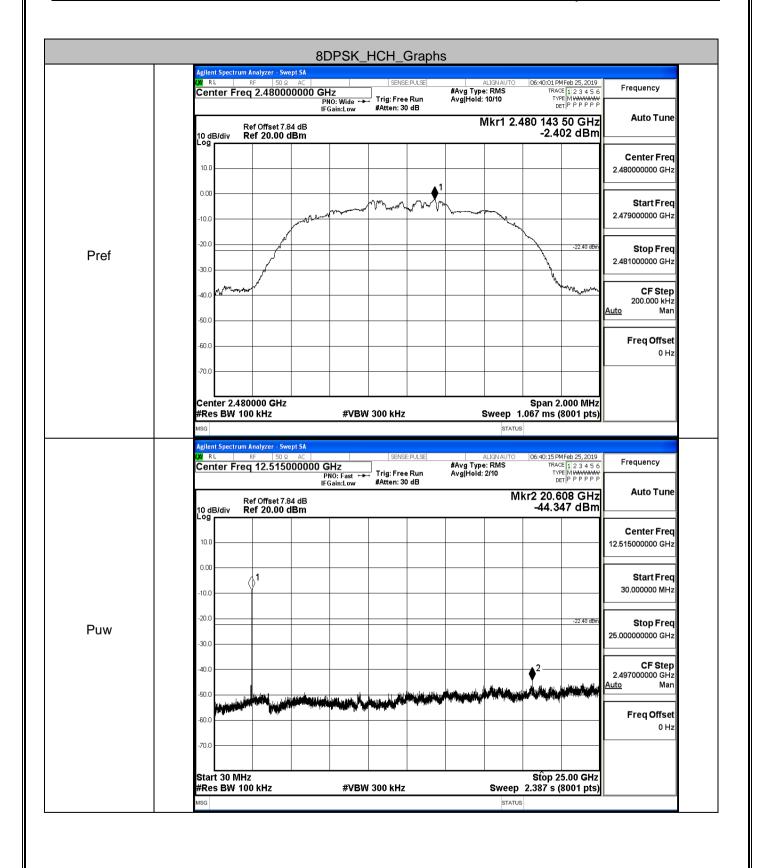






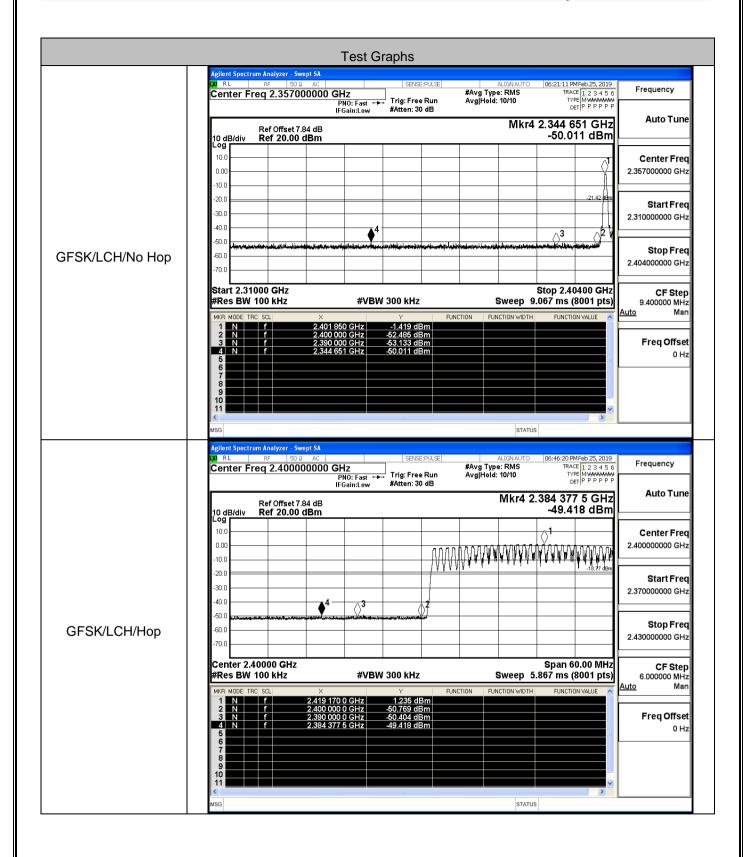


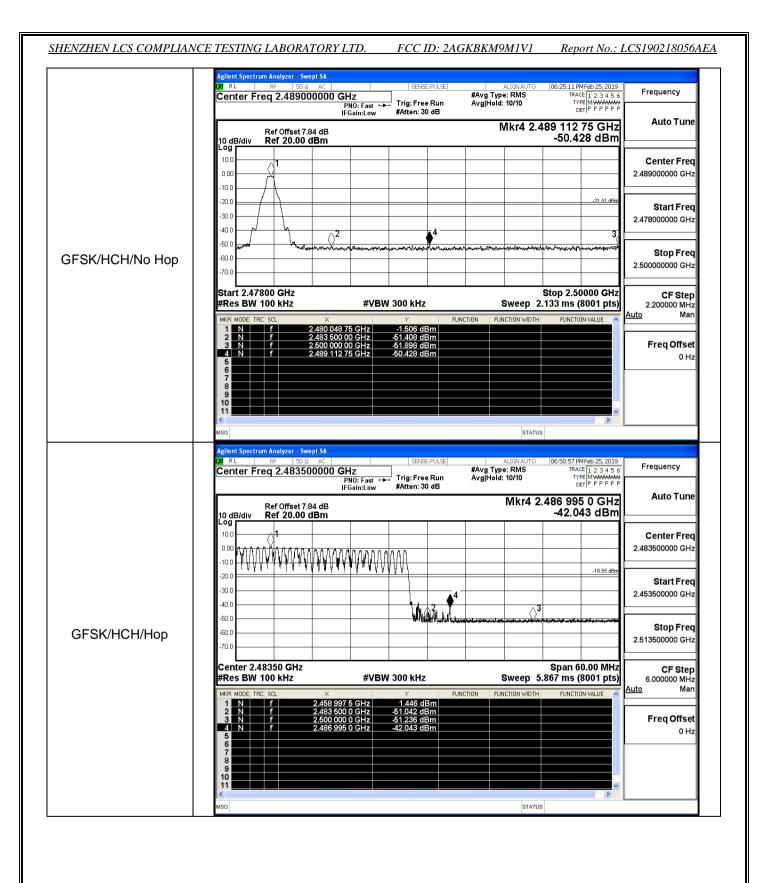


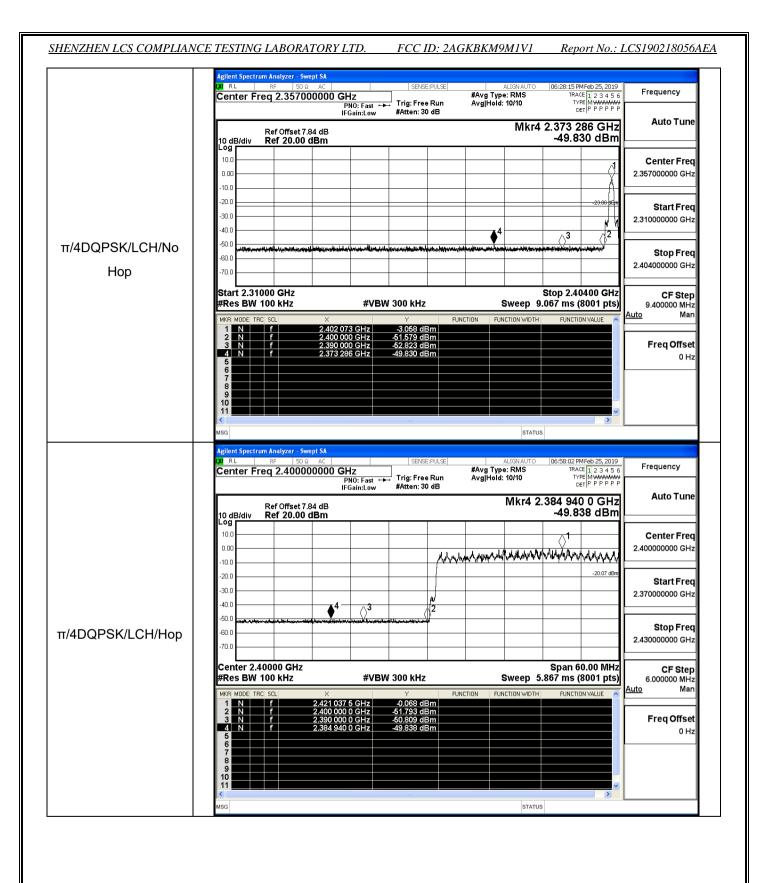


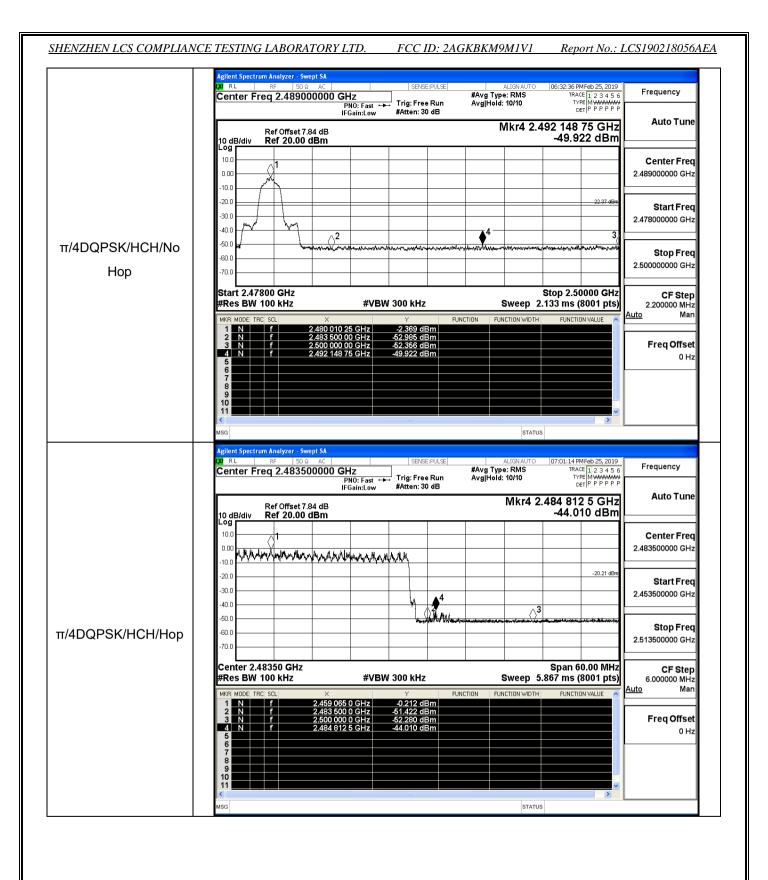
A.7 Band-edge for RF Conducted Emissions

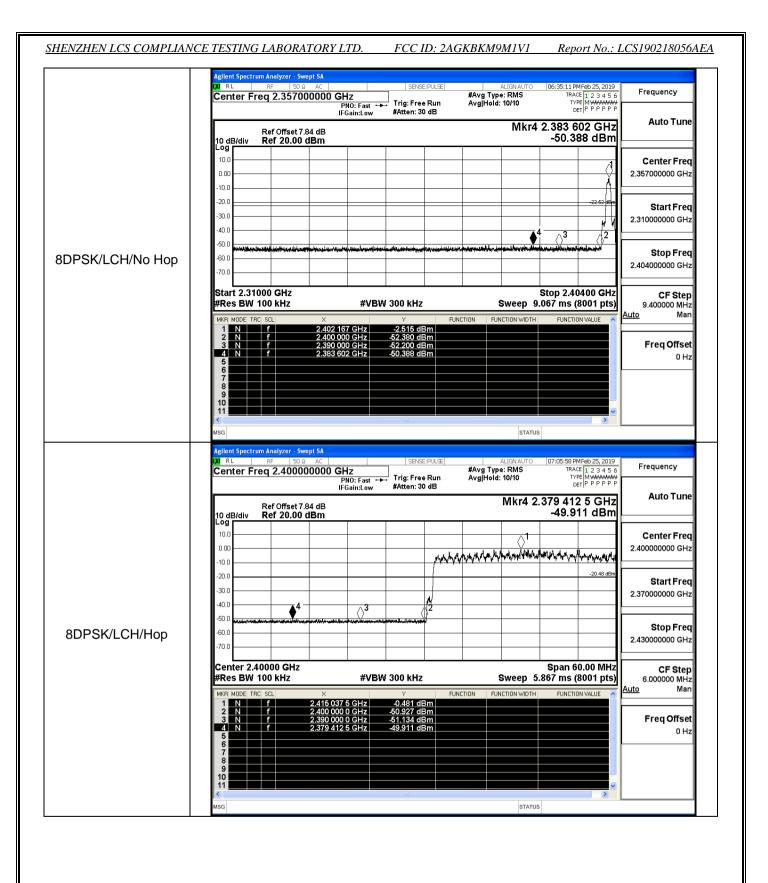
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
		0.400	-1.419	Off	-50.011	-21.42	PASS	
2-21/	LCH	2402	1.235	On	-49.418	-18.77	PASS	
GFSK	НСН	2480	-1.506	Off	-50.428	-21.51	PASS	
			1.446	On	-42.043	-18.55	PASS	
	LCH			-3.058	Off	-49.830	-23.06	PASS
		2402	-0.068	On	-49.838	-20.07	PASS	
π/4DQPSK	НСН		-2.369	Off	-49.922	-22.37	PASS	
		2480	-0.212	On	-44.010	-20.21	PASS	
			-2.515	Off	-50.388	-22.52	PASS	
	LCH	2402	-0.481	On	-49.911	-20.48	PASS	
8DPSK			-1.950	Off	-50.249	-21.95	PASS	
	HCH	2480	-0.105	On	-48.782	-20.11	PASS	

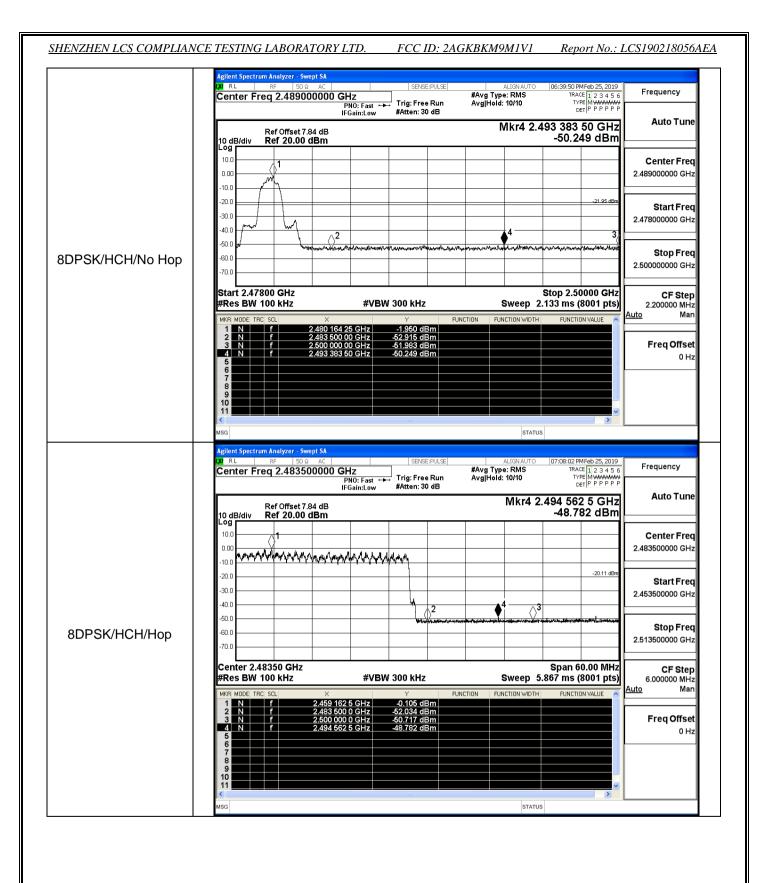








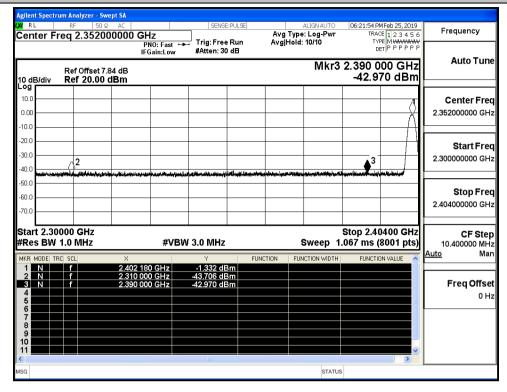




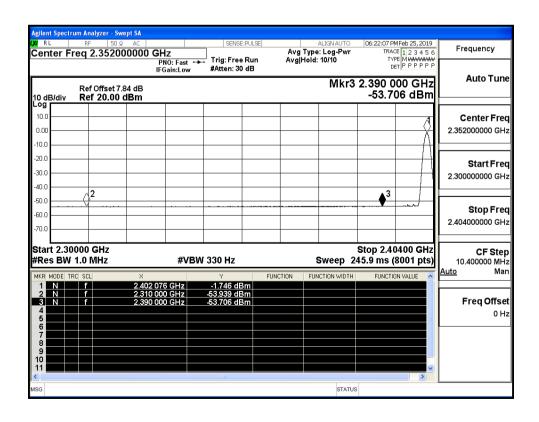
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.71	3.0	0	54.55	PEAK	74	PASS
	Off	2310.0	-53.94	3.0	0	44.32	AV	54	PASS
	Off	2390.0	-42.97	3.0	0	55.29	PEAK	74	PASS
	Off	2390.0	-53.71	3.0	0	44.55	AV	54	PASS
GFSK	Off	2483.5	-42.55	3.0	0	55.71	PEAK	74	PASS
	Off	2483.5	-53.44	3.0	0	44.82	AV	54	PASS
	Off	2500.0	-42.39	3.0	0	55.87	PEAK	74	PASS
	Off	2500.0	-53.35	3.0	0	44.91	AV	54	PASS
	Off	2310.0	-43.02	3.0	0	55.24	PEAK	74	PASS
	Off	2310.0	-53.96	3.0	0	44.3	AV	54	PASS
	Off	2390.0	-44.32	3.0	0	53.94	PEAK	74	PASS
	Off	2390.0	-53.63	3.0	0	44.63	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.35	3.0	0	54.91	PEAK	74	PASS
	Off	2483.5	-53.31	3.0	0	44.95	AV	54	PASS
	Off	2500.0	-42.97	3.0	0	55.29	PEAK	74	PASS
	Off	2500.0	-53.24	3.0	0	45.02	AV	54	PASS
	Off	2310.0	-43.99	3.0	0	54.27	PEAK	74	PASS
	Off	2310.0	-53.93	3.0	0	44.33	AV	54	PASS
	Off	2390.0	-43.58	3.0	0	54.68	PEAK	74	PASS
	Off	2390.0	-53.73	3.0	0	44.53	AV	54	PASS
8DPSK	Off	2483.5	-42.13	3.0	0	56.13	PEAK	74	PASS
	Off	2483.5	-53.25	3.0	0	45.01	AV	54	PASS
	Off	2500.0	-42.14	3.0	0	56.12	PEAK	74	PASS
	Off	2500.0	-53.34	3.0	0	44.92	AV	54	PASS

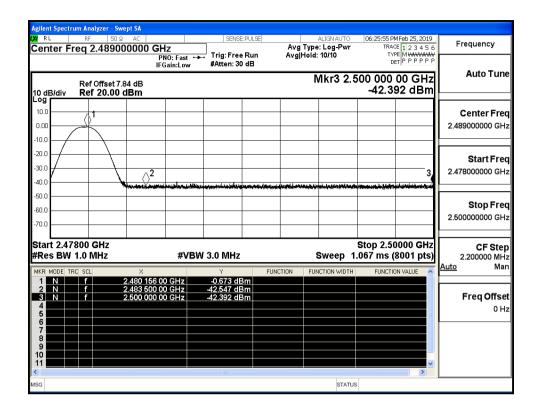




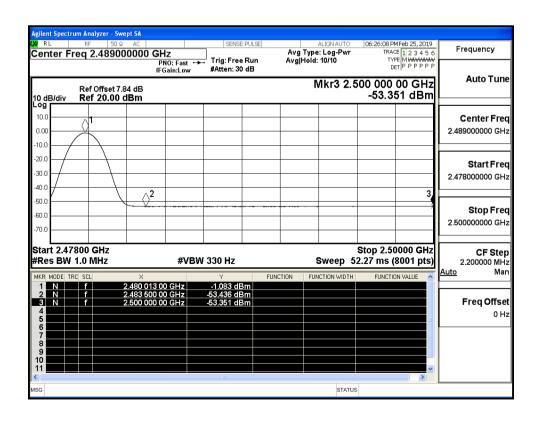
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



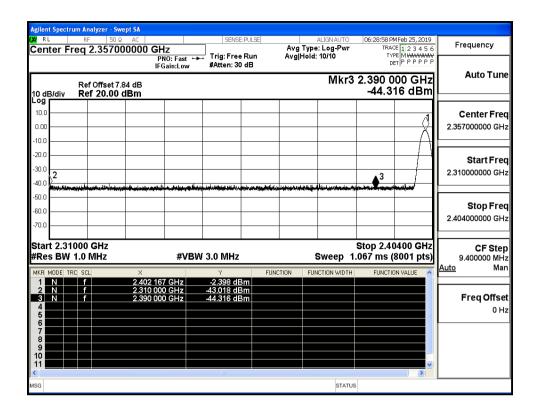
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



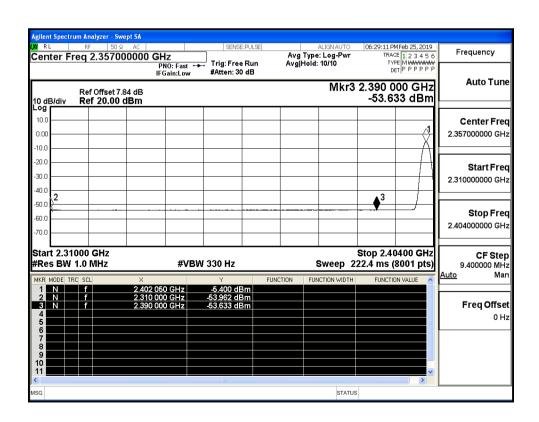
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)

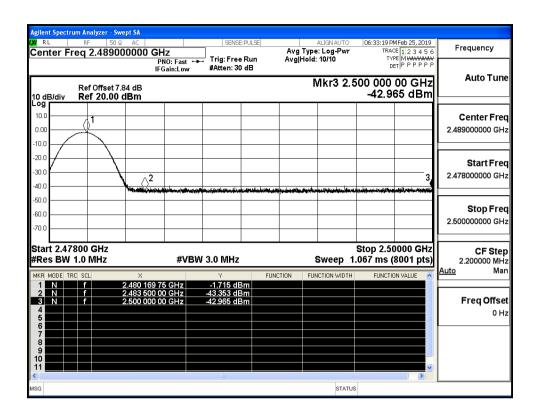


Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)

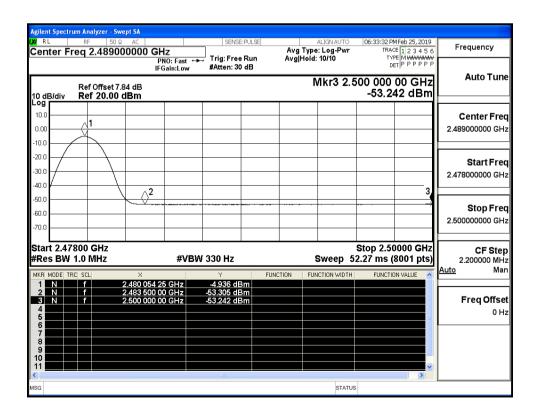


Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)

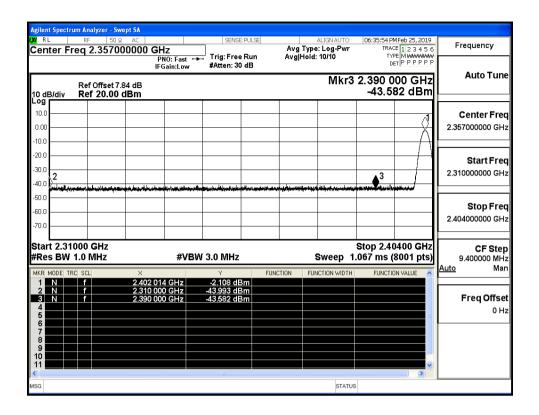




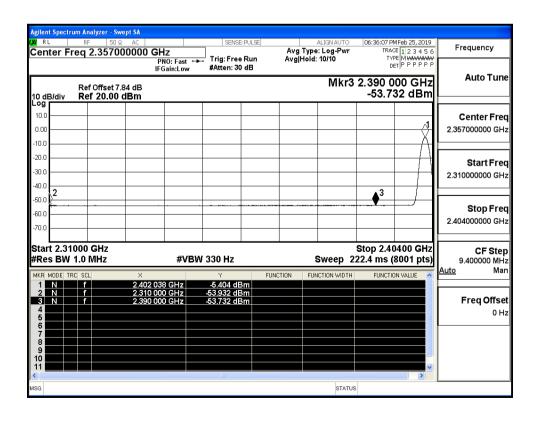
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



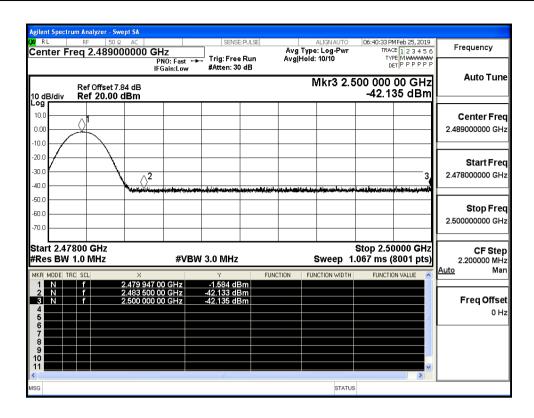
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

