Appendix A

RF Test Data for BT V4.1 (BDR/EDR) (Conducted Measurement)

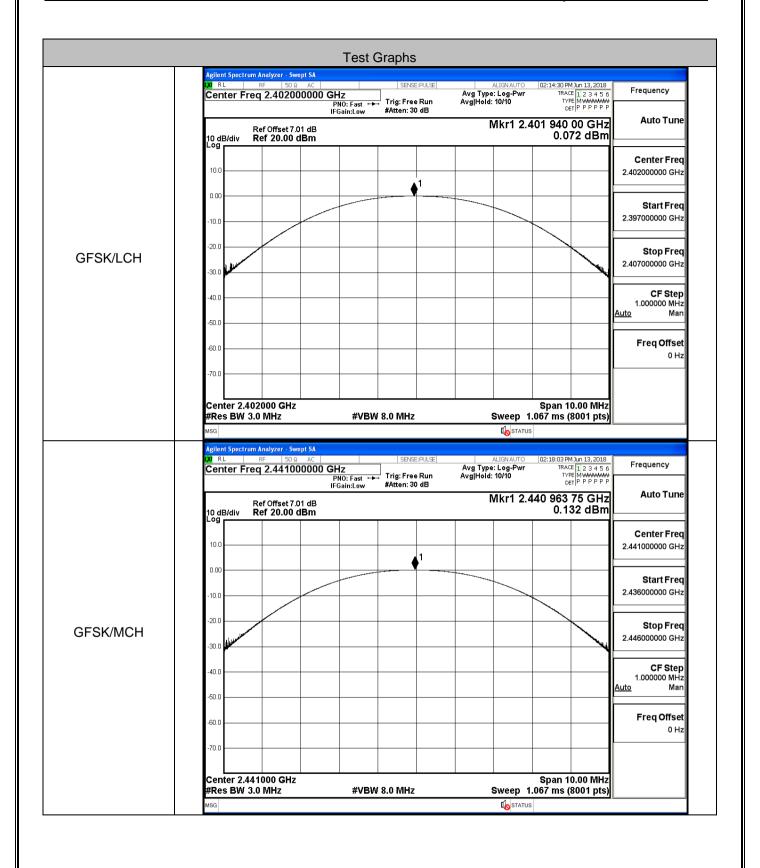
Product Name: PCSGOB1018M-Series Trade Mark: PC SMART Test Model: PCSGOB1018M-A

Environmental Conditions

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Temperature:	23.2 ° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Wilson.Hong
Supervised by:	Jayden.Zhuo

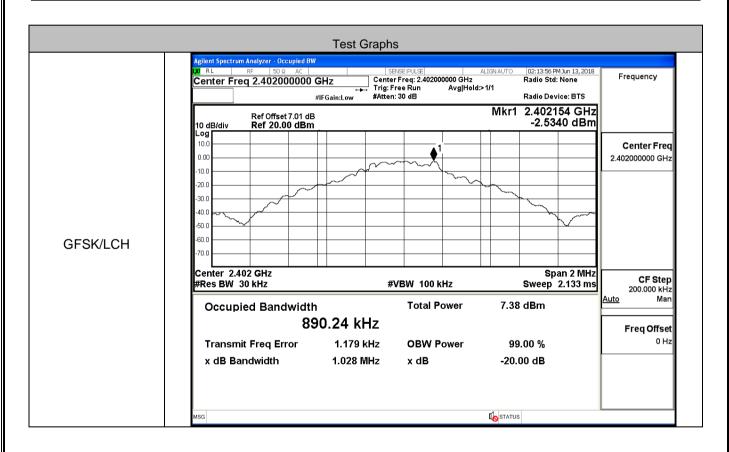
A.1 Maximum Conducted Peak Output Power

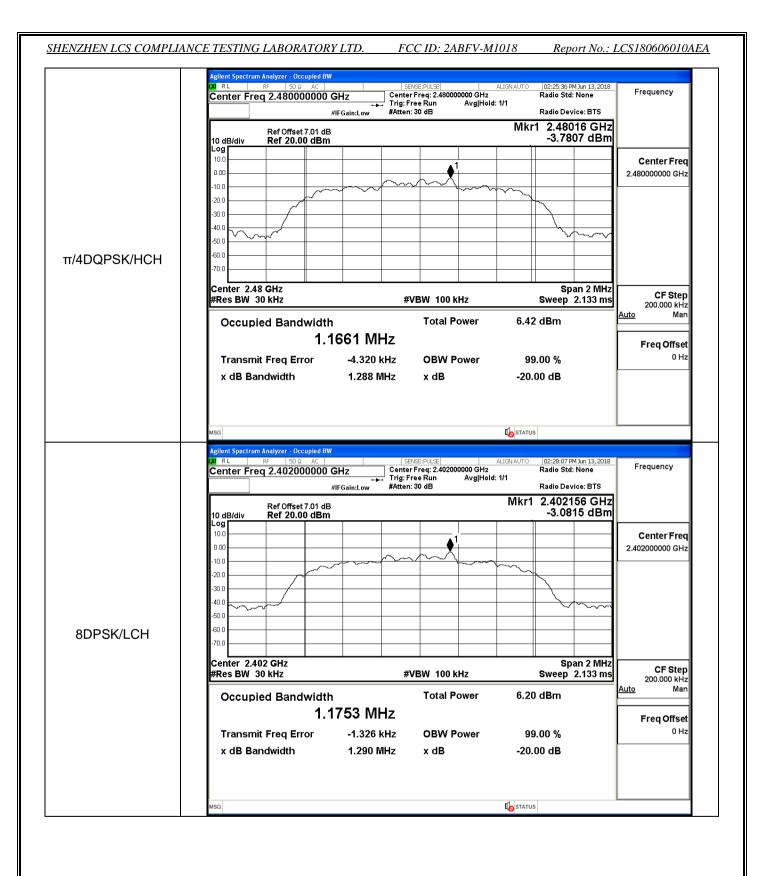
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.072	30	PASS
GFSK	MCH	0.132	30	PASS
	НСН	0.382	30	PASS
	LCH	-0.096	21	PASS
π/4DQPSK	MCH	-0.003	21	PASS
	НСН	0.190	21	PASS
	LCH	0.003	21	PASS
8DPSK	MCH	0.174	21	PASS
	НСН	0.470	21	PASS



A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.028	Not Specified	PASS
GFSK	MCH	0.9696	Not Specified	PASS
	HCH	1.027	Not Specified	PASS
	LCH	1.290	Not Specified	PASS
π/4DQPSK	MCH	1.289	Not Specified	PASS
	НСН	1.288	Not Specified	PASS
	LCH	1.290	Not Specified	PASS
8DPSK	MCH	1.289	Not Specified	PASS
	НСН	1.288	Not Specified	PASS

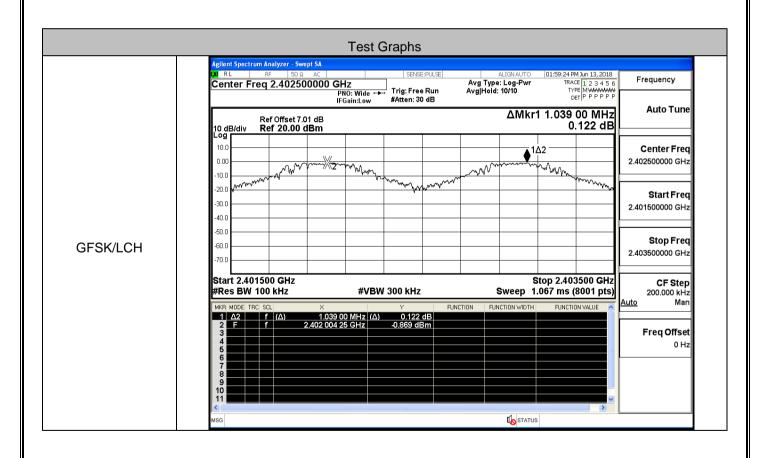


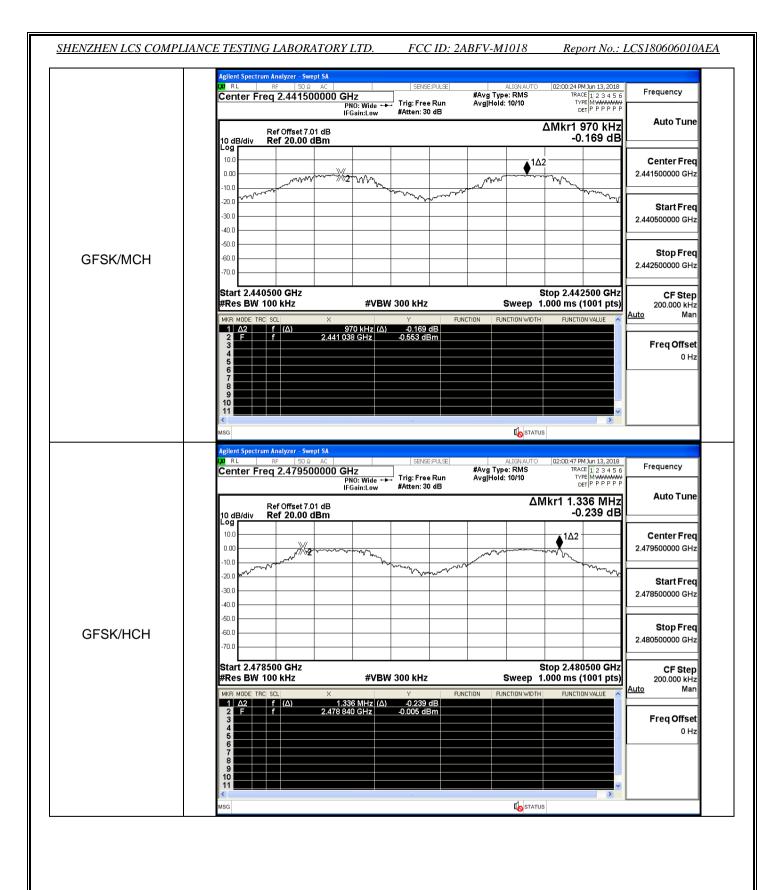


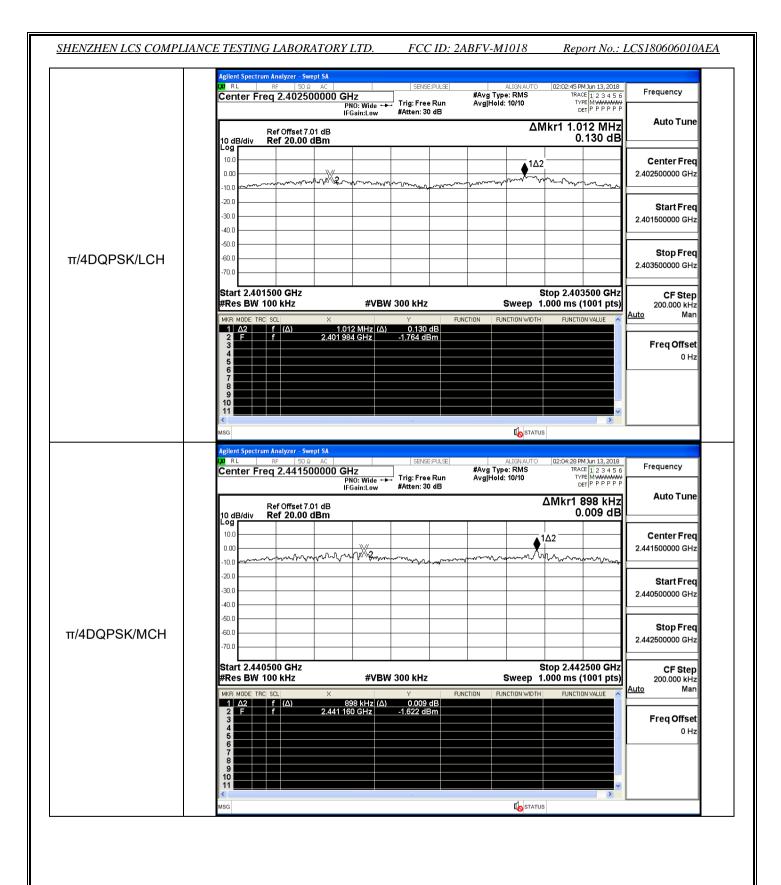
A.3 Carrier Frequency Separation

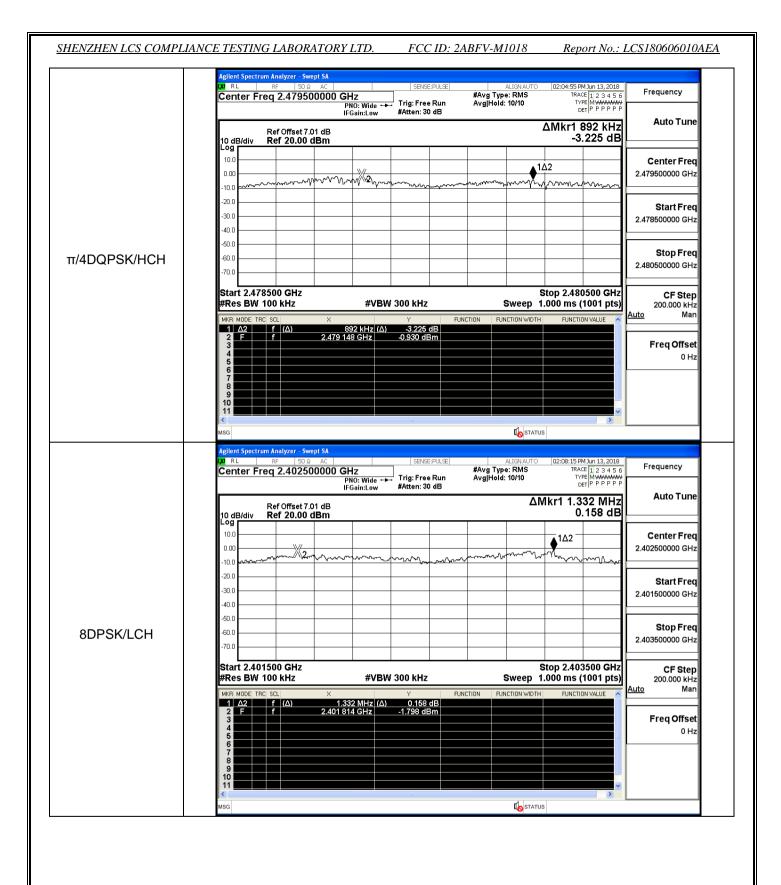
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

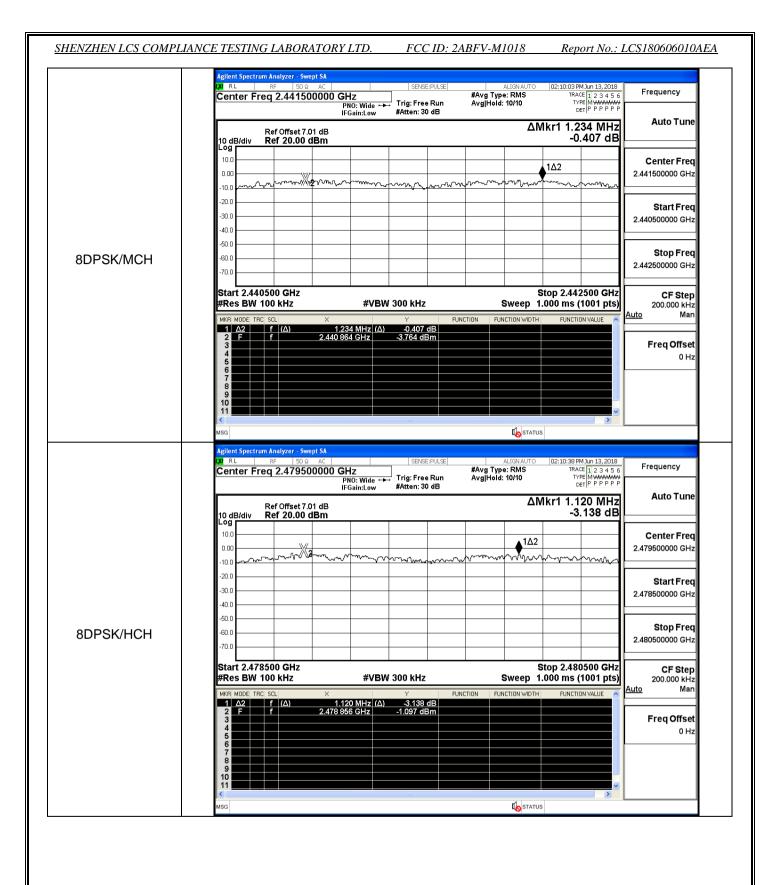
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.039	0.685	PASS
GFSK	MCH	0.970	0.646	PASS
	HCH	1.336	0.685	PASS
	LCH	1.012	0.860	PASS
π/4DQPSK	MCH	0.898	0.859	PASS
	НСН	0.892	0.859	PASS
	LCH	1.332	0.860	PASS
8DPSK	MCH	1.234	0.859	PASS
	HCH	1.120	0.859	PASS





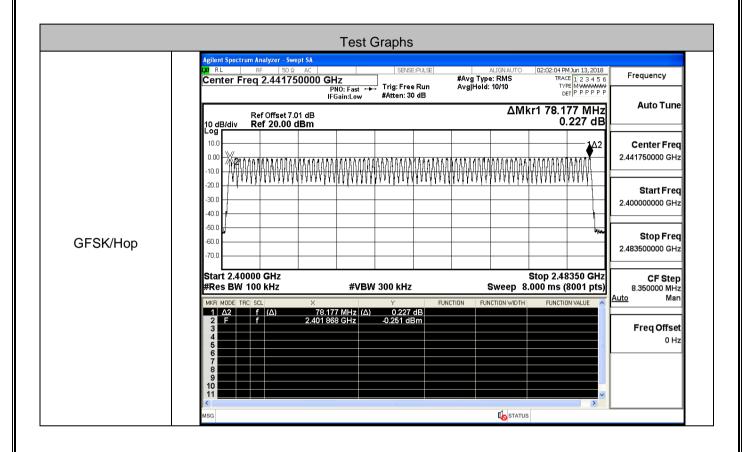


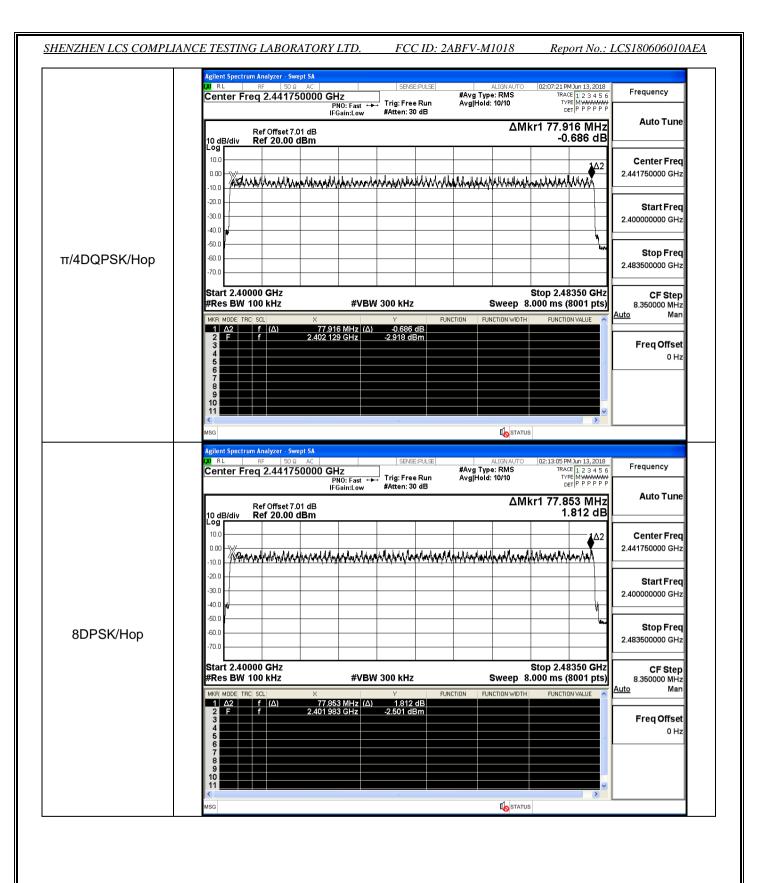




A.4 Hopping Channel Number

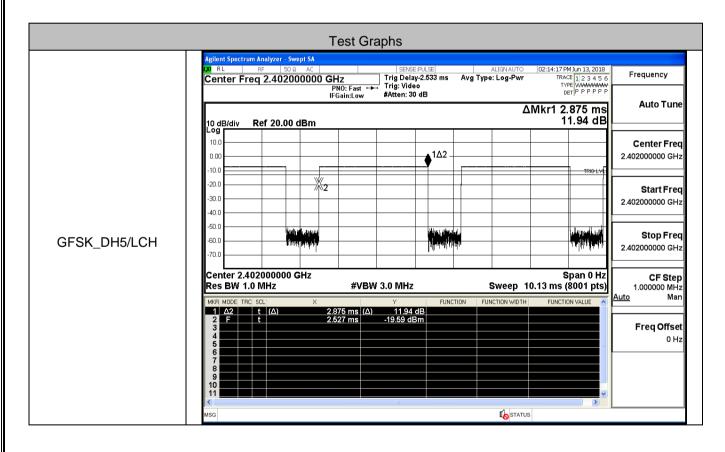
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

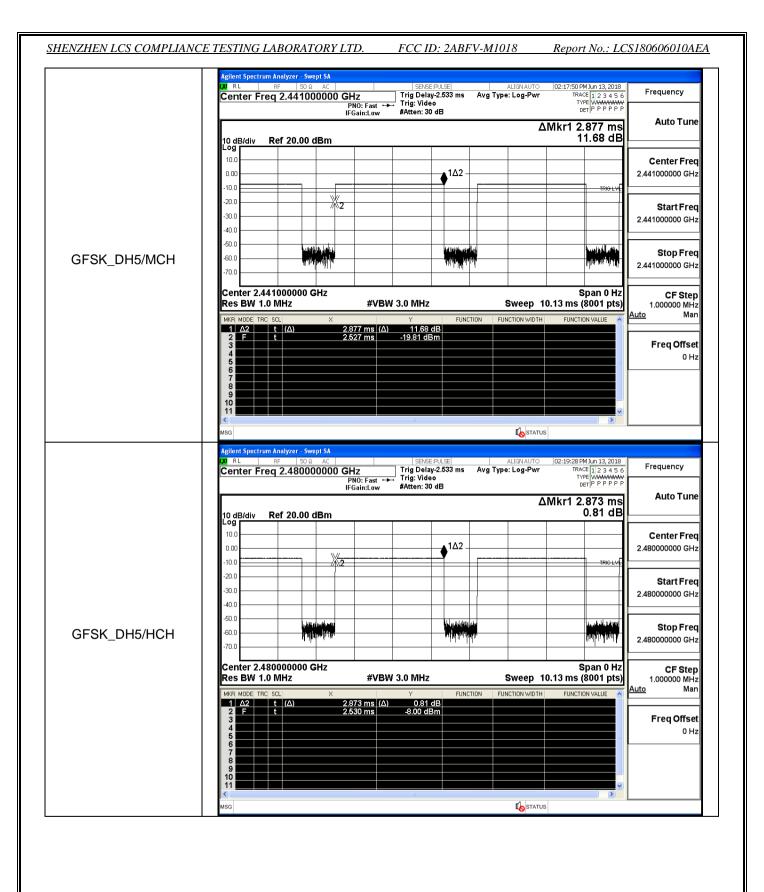


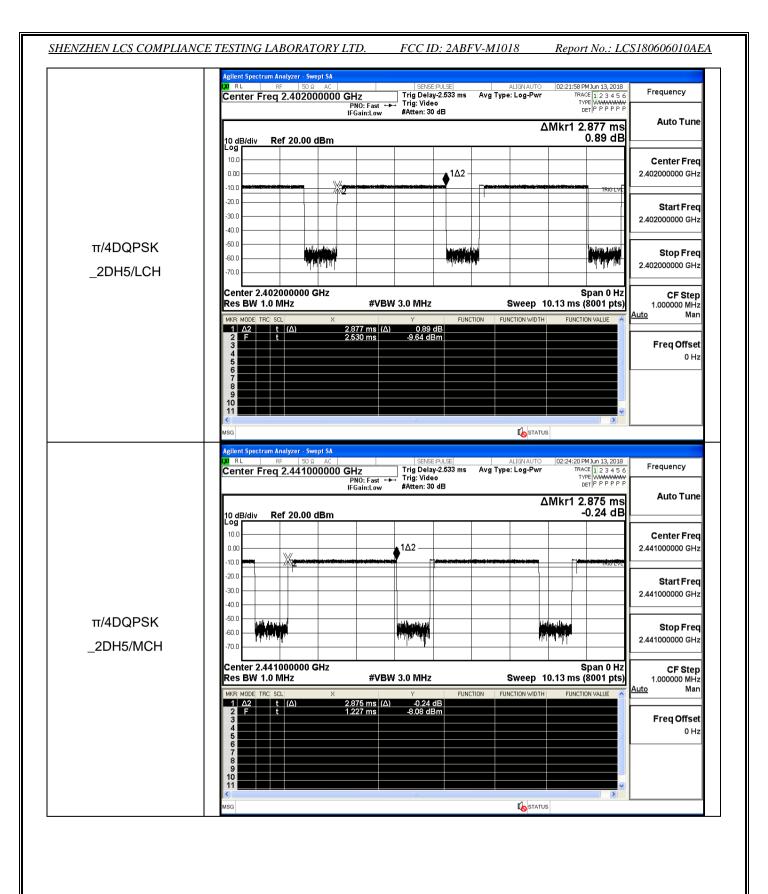


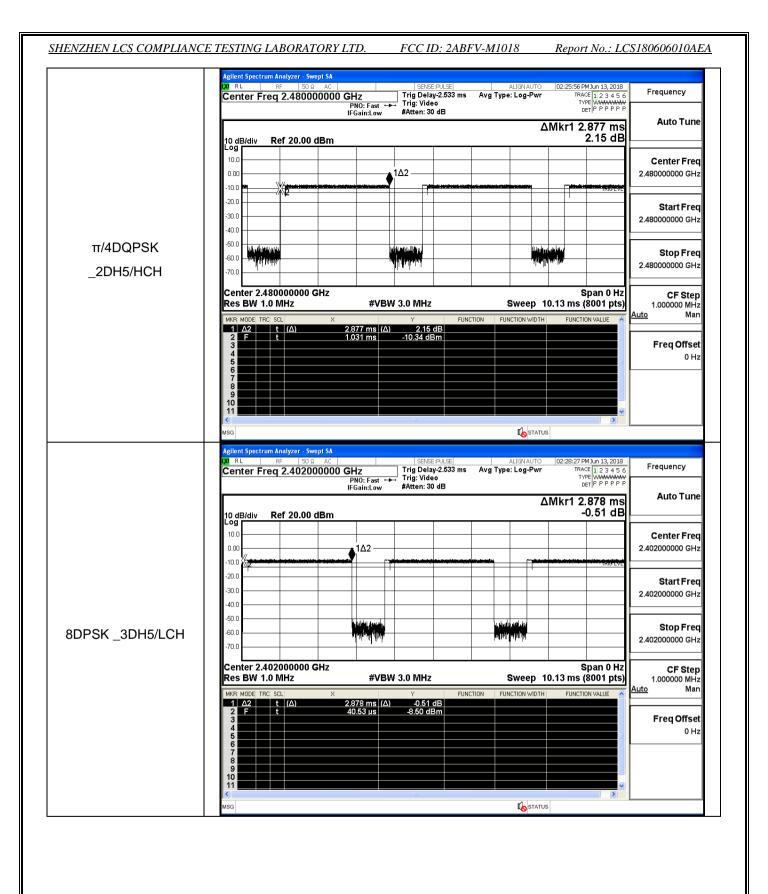
A.5 Dwell Time

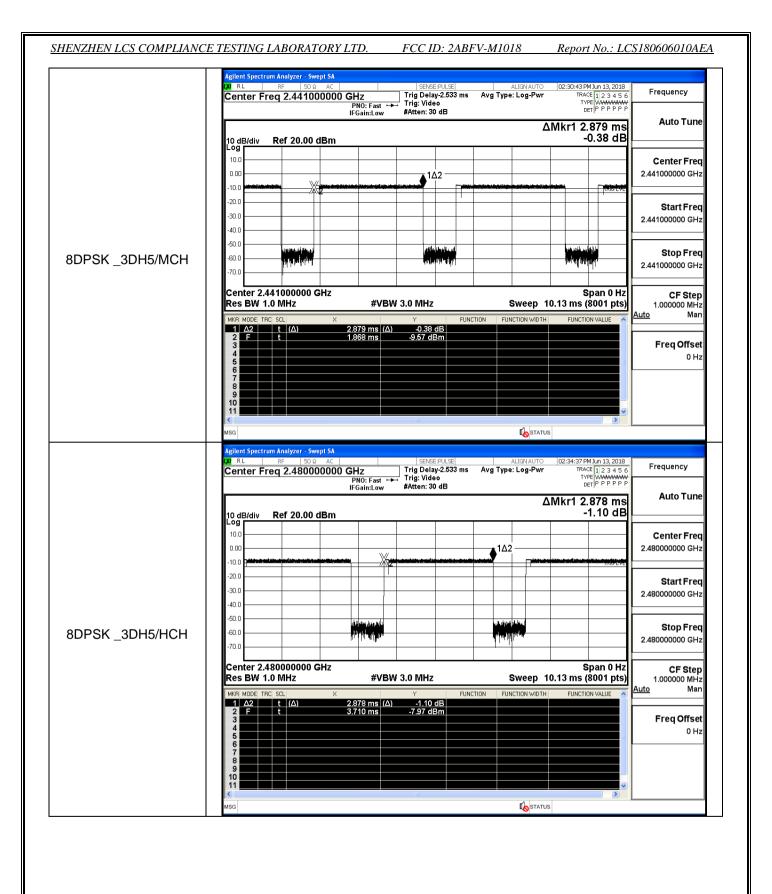
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.87	106.7	0.306	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.87	106.7	0.307	0.4	PASS
	3DH5	LCH	2.88	106.7	0.307	0.4	PASS
8DPSK	3DH5	MCH	2.88	106.7	0.307	0.4	PASS
	3DH5	HCH	2.87	106.7	0.307	0.4	PASS





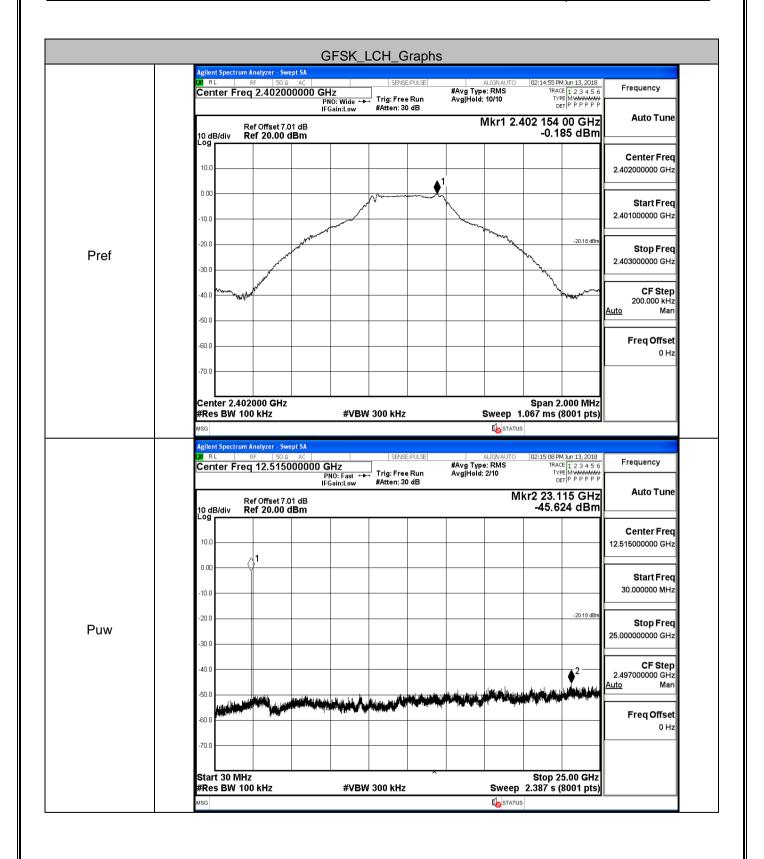


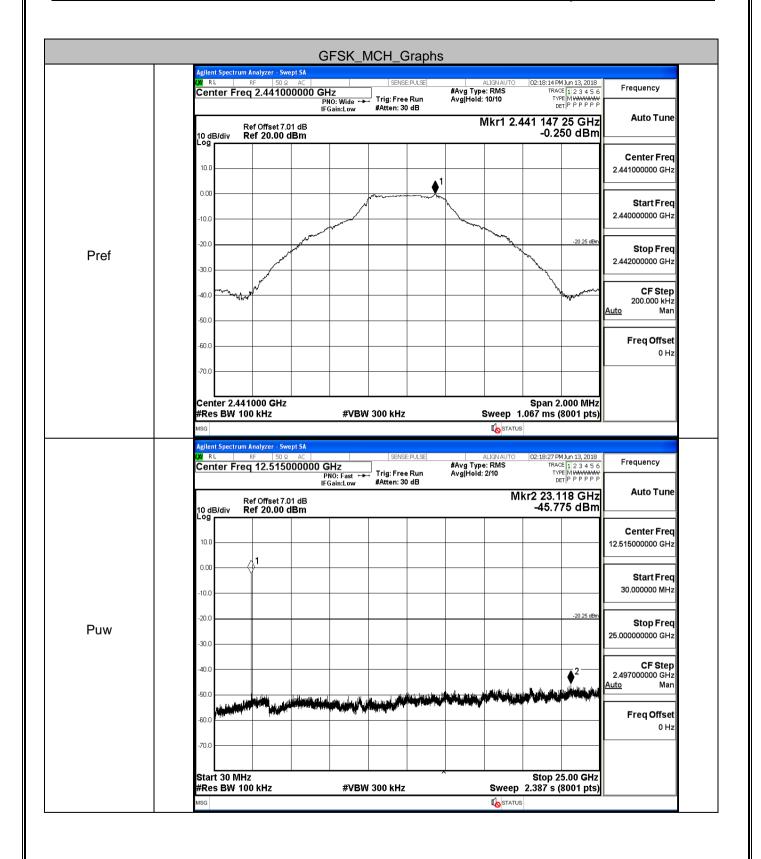


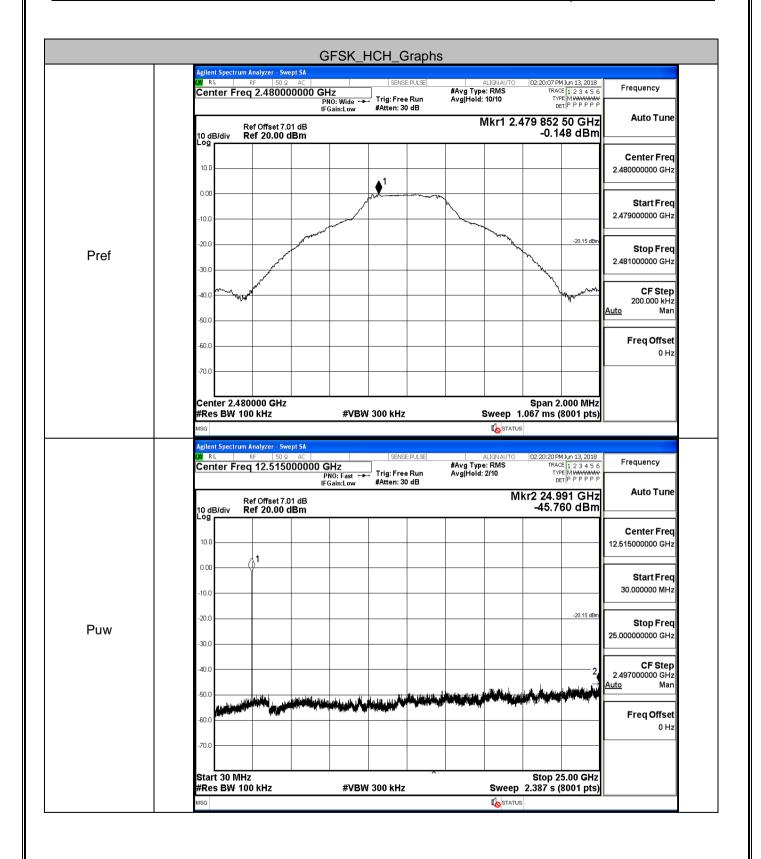


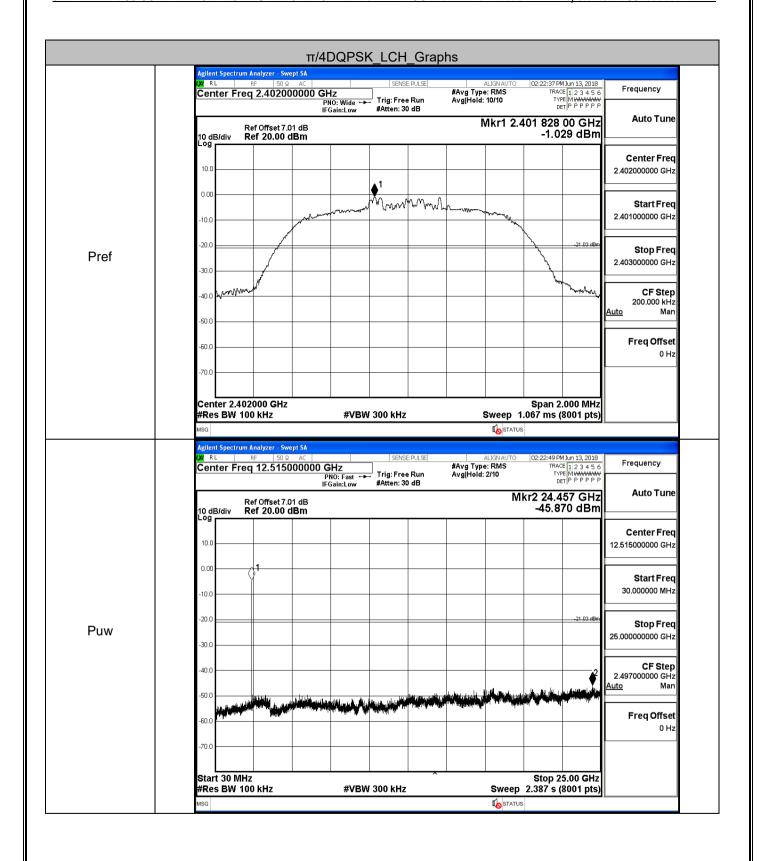
A.6 RF Conducted Spurious Emissions

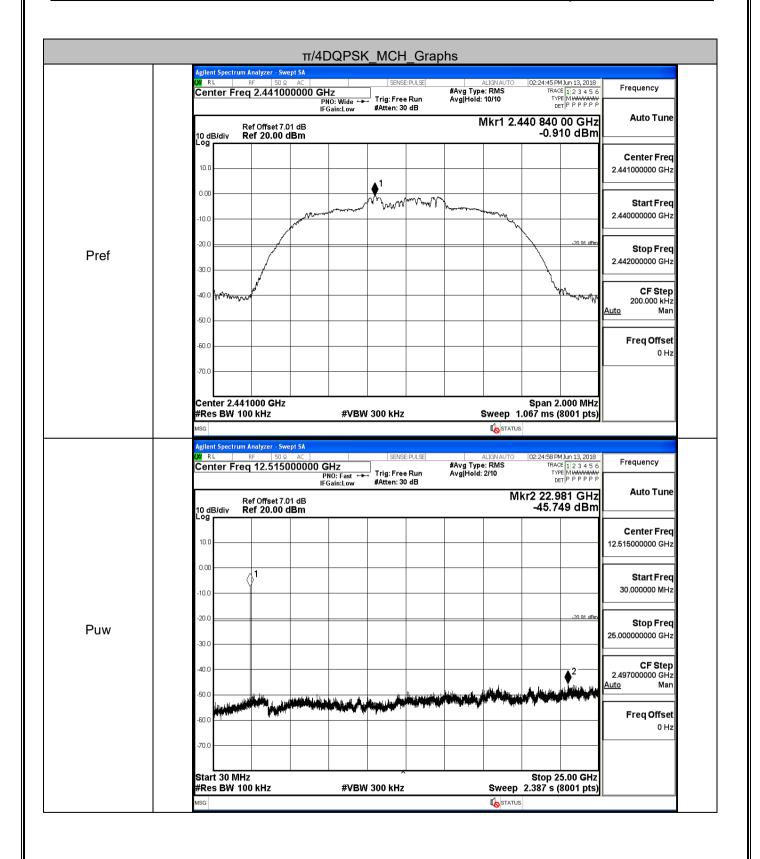
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.185	-45.624	-20.185	PASS
GFSK	MCH	-0.25	-45.775	-20.250	PASS
	HCH	-0.148	-45.760	-20.148	PASS
	LCH	-1.029	-45.870	-21.029	PASS
π/4DQPSK	MCH	-0.91	-45.749	-20.910	PASS
	НСН	-1.066	-45.672	-21.066	PASS
8DPSK	LCH	-1.043	-45.147	-21.043	PASS
	MCH	-1.013	-45.069	-21.013	PASS
	НСН	-0.87	-44.987	-20.870	PASS

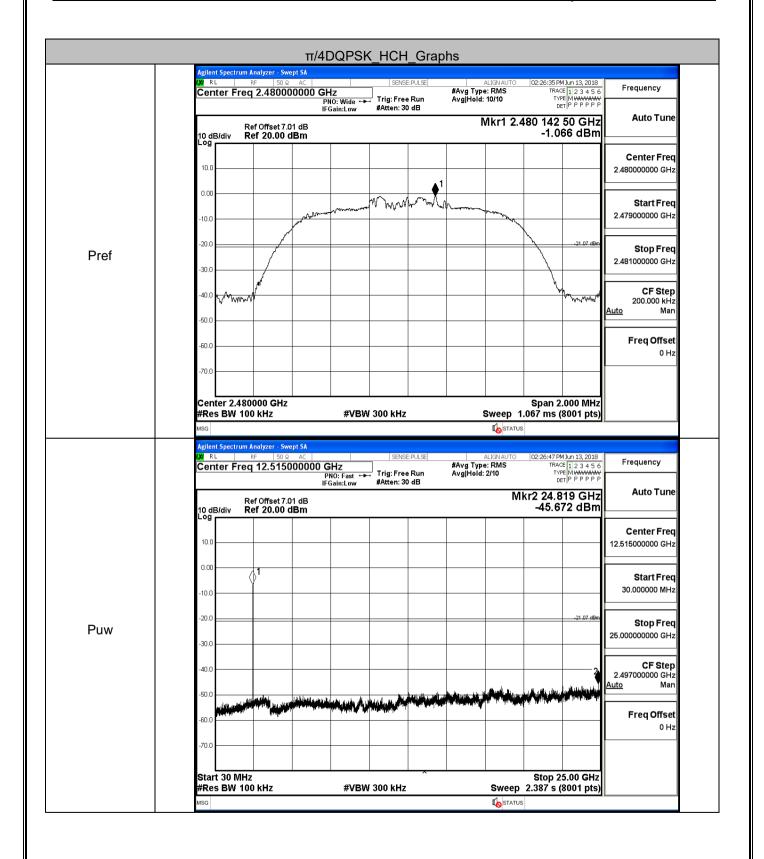


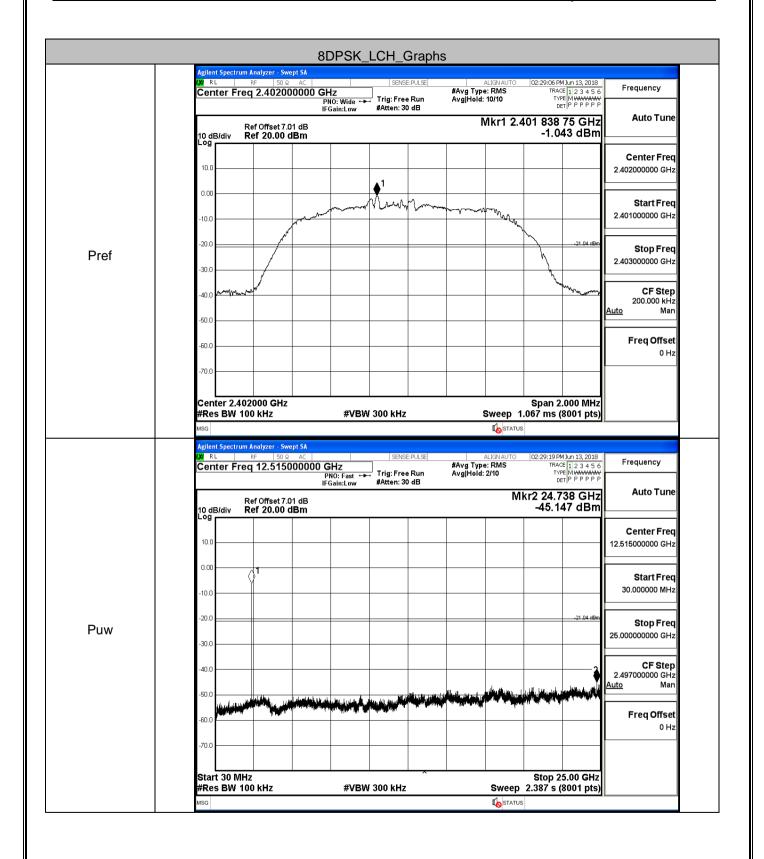


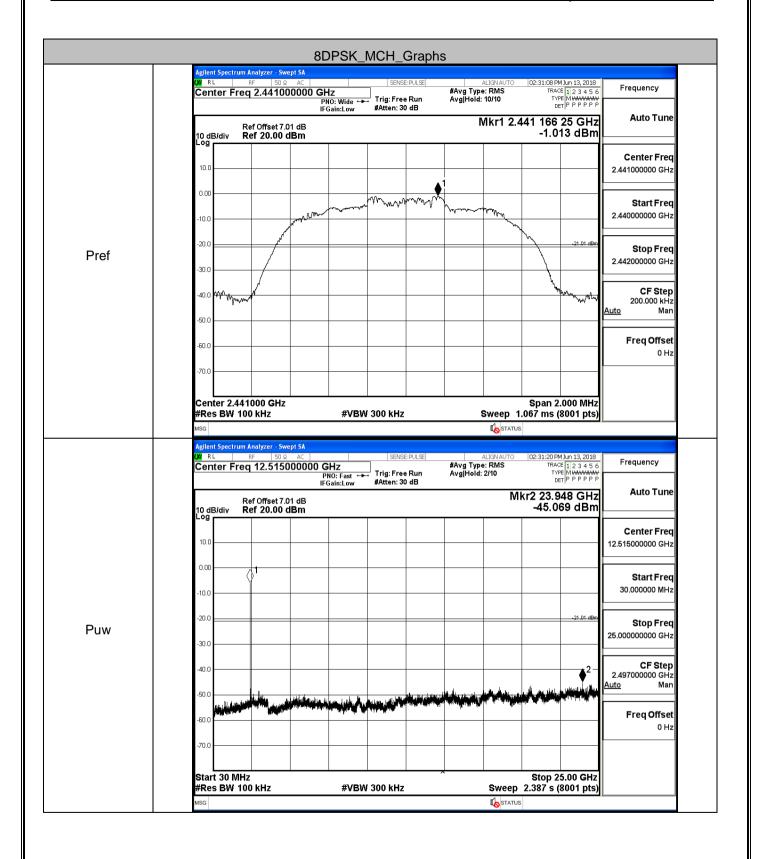


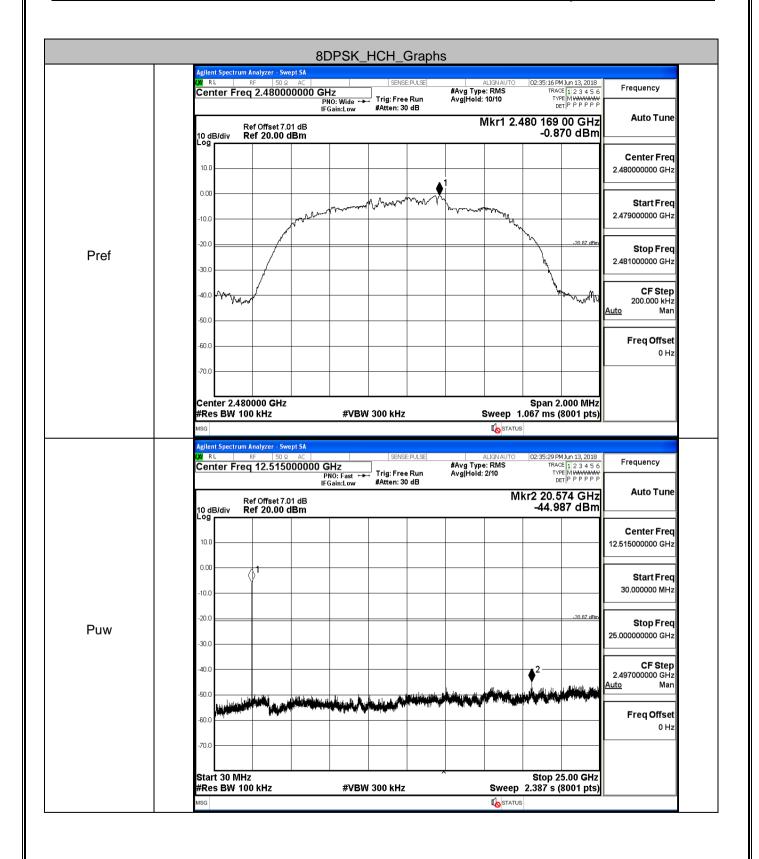






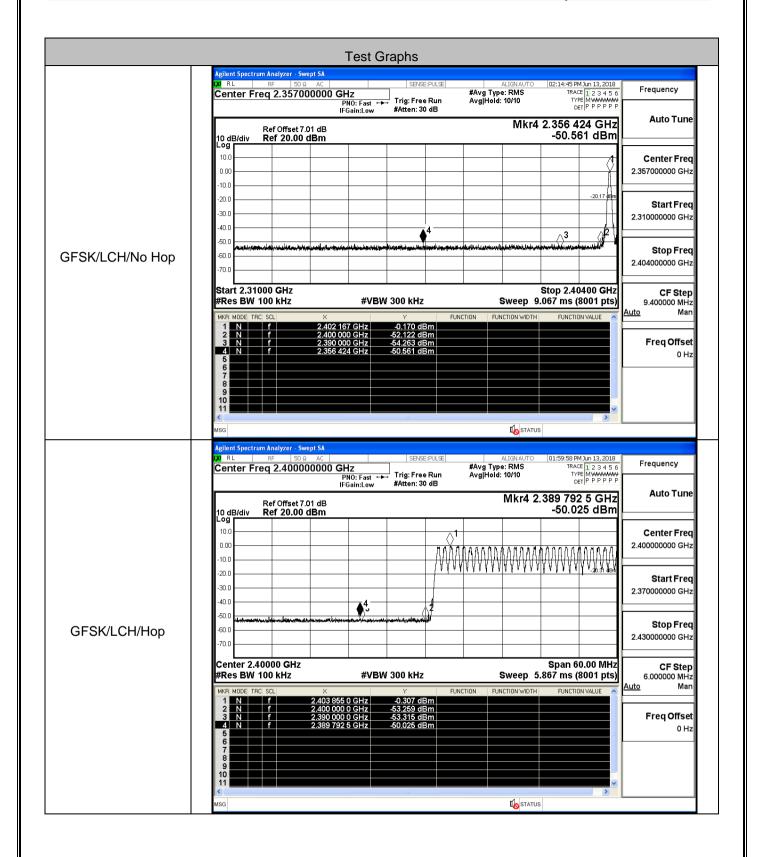


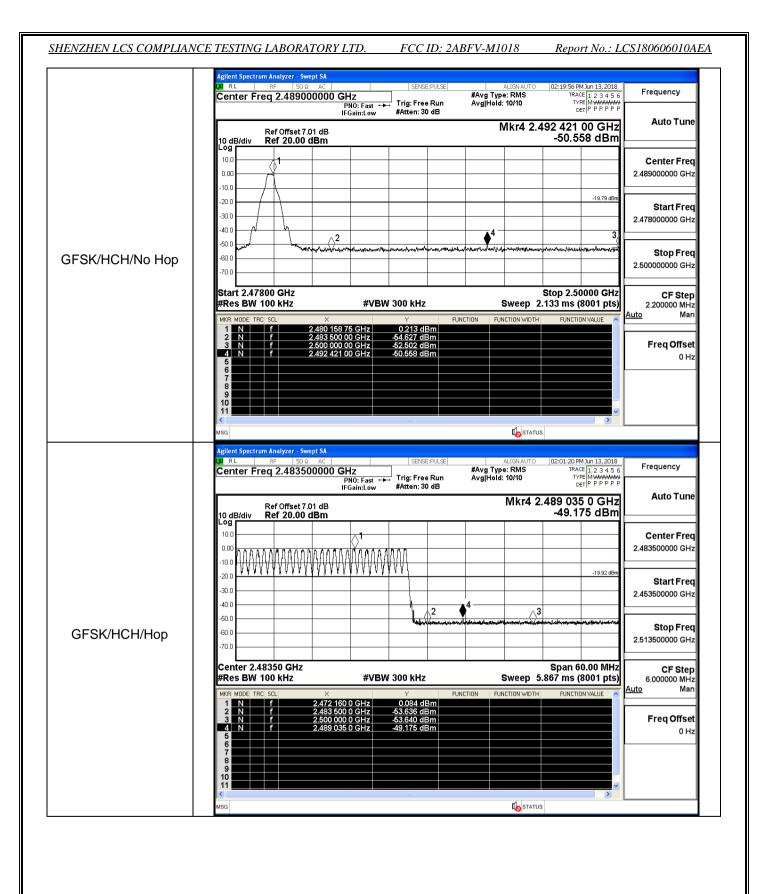


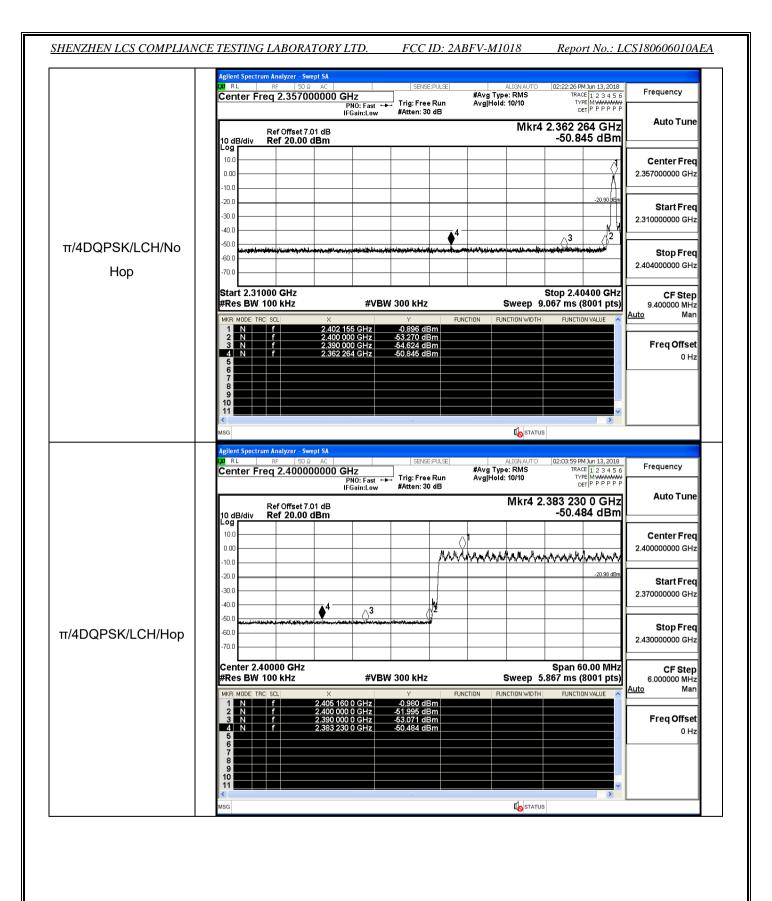


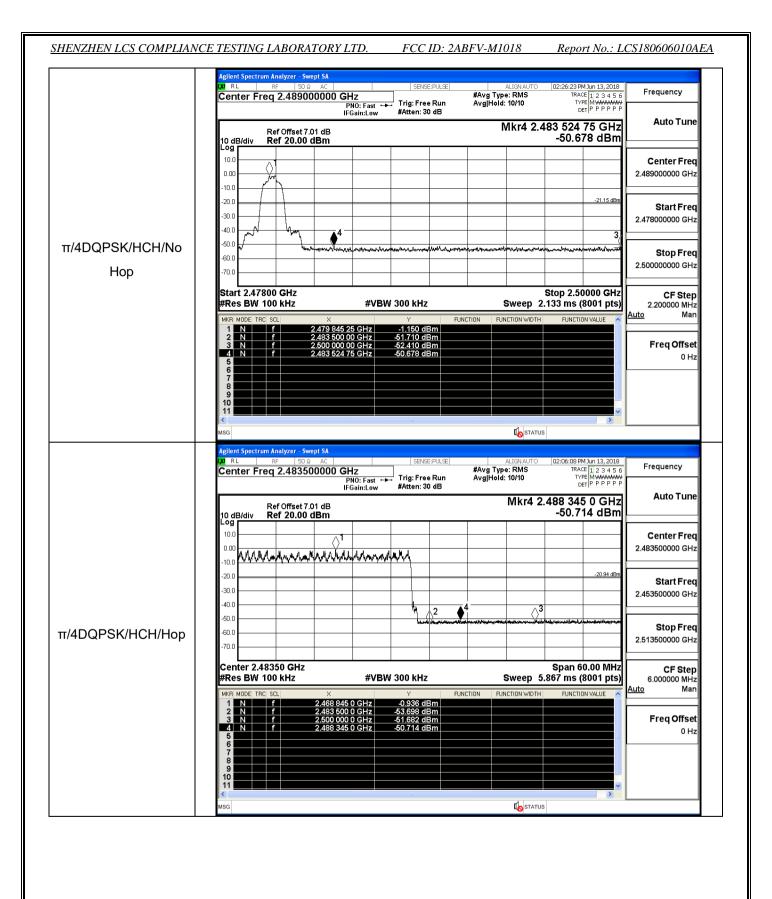
A.7 Band-edge for RF Conducted Emissions

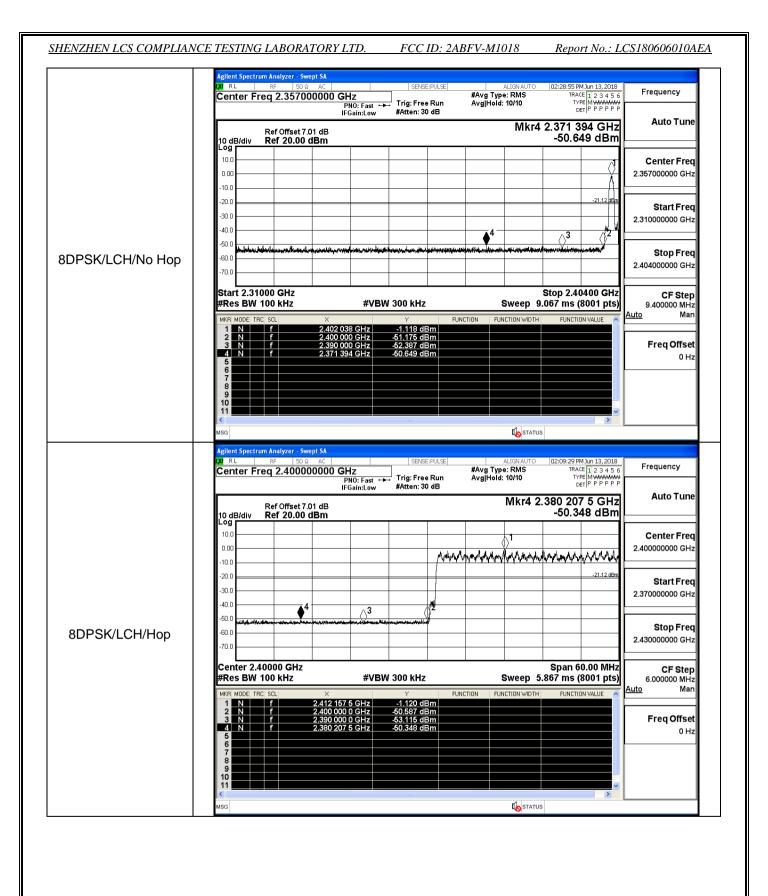
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict		
		0.400	-0.170	Off	-50.561	-20.17	PASS		
0.5014	LCH	2402	-0.307	On	-50.025	-20.31	PASS		
GFSK	НСН			0.213	Off	-50.558	-19.79	PASS	
		2480	0.084	On	-49.175	-19.92	PASS		
	LCH				-0.896	Off	-50.845	-20.9	PASS
		2402	-0.980	On	-50.484	-20.98	PASS		
π/4DQPSK	НСН		-1.150	Off	-50.678	-21.15	PASS		
		HCH 2480	-0.936	On	-50.714	-20.94	PASS		
			-1.118	Off	-50.649	-21.12	PASS		
	LCH	2402	-1.120	On	-50.348	-21.12	PASS		
8DPSK		2.422	-0.620	Off	-50.958	-20.62	PASS		
	HCH	2480	-0.752	On	-49.952	-20.75	PASS		

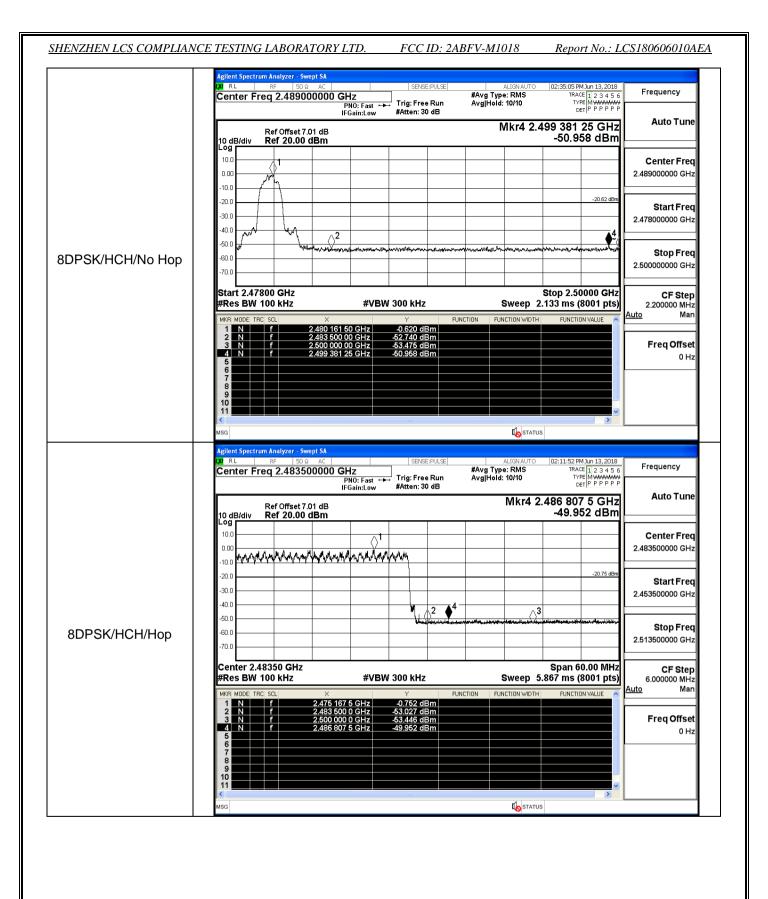






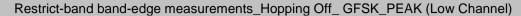


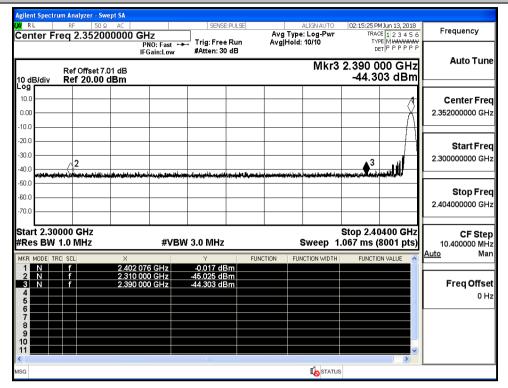




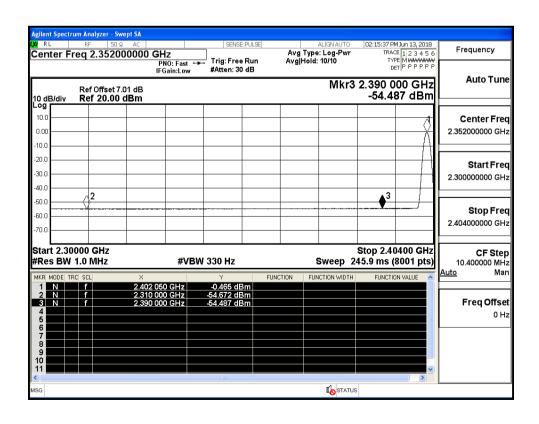
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-45.03	2.0	0	52.23	PEAK	74	PASS
	Off	2310.0	-54.67	2.0	0	42.59	AV	54	PASS
	Off	2390.0	-44.30	2.0	0	52.95	PEAK	74	PASS
	Off	2390.0	-54.49	2.0	0	42.77	AV	54	PASS
GFSK	Off	2483.5	-44.71	2.0	0	52.55	PEAK	74	PASS
	Off	2483.5	-54.26	2.0	0	42.99	AV	54	PASS
	Off	2500.0	-43.44	2.0	0	53.82	PEAK	74	PASS
	Off	2500.0	-54.14	2.0	0	43.12	AV	54	PASS
	Off	2310.0	-45.70	2.0	0	51.56	PEAK	74	PASS
	Off	2310.0	-54.83	2.0	0	42.43	AV	54	PASS
	Off	2390.0	-44.48	2.0	0	52.78	PEAK	74	PASS
/4D 0 D01/	Off	2390.0	-54.47	2.0	0	42.79	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.40	2.0	0	52.86	PEAK	74	PASS
	Off	2483.5	-54.18	2.0	0	43.07	AV	54	PASS
	Off	2500.0	-43.94	2.0	0	53.32	PEAK	74	PASS
	Off	2500.0	-54.10	2.0	0	43.16	AV	54	PASS
	Off	2310.0	-43.99	2.0	0	53.27	PEAK	74	PASS
	Off	2310.0	-54.85	2.0	0	42.41	AV	54	PASS
	Off	2390.0	-44.52	2.0	0	52.74	PEAK	74	PASS
	Off	2390.0	-54.52	2.0	0	42.74	AV	54	PASS
8DPSK	Off	2483.5	-44.41	2.0	0	52.85	PEAK	74	PASS
	Off	2483.5	-54.09	2.0	0	43.16	AV	54	PASS
	Off	2500.0	-42.41	2.0	0	54.84	PEAK	74	PASS
	Off	2500.0	-54.01	2.0	0	43.25	AV	54	PASS

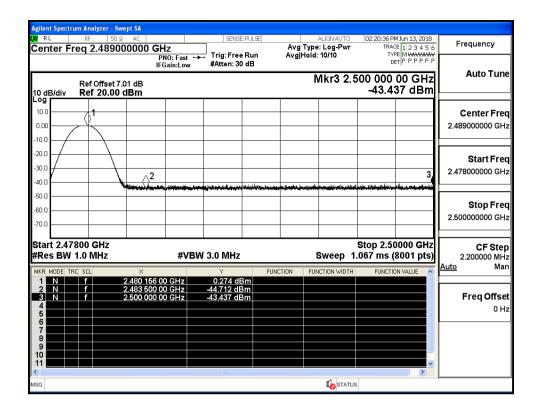




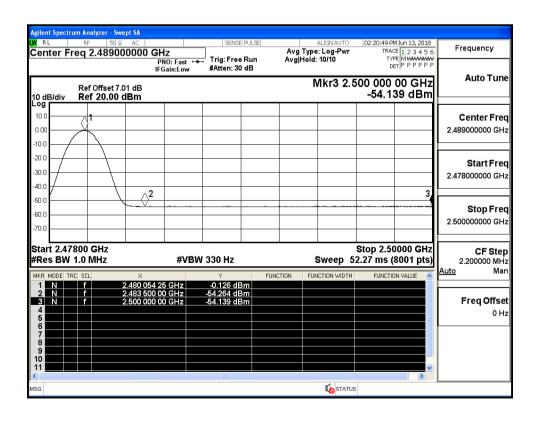
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



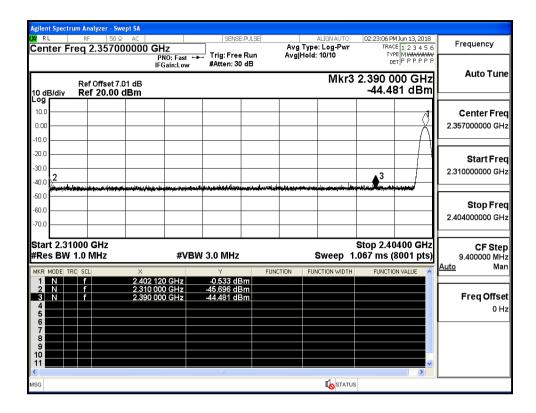
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



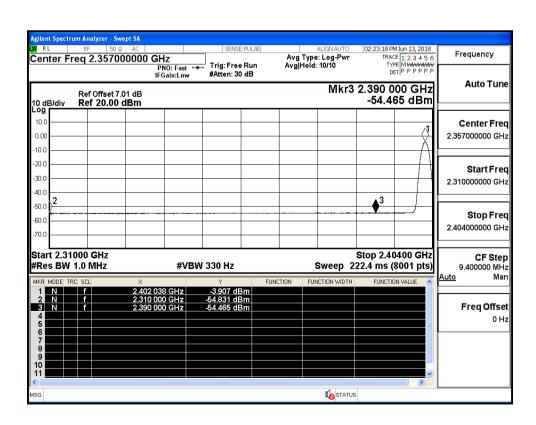
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



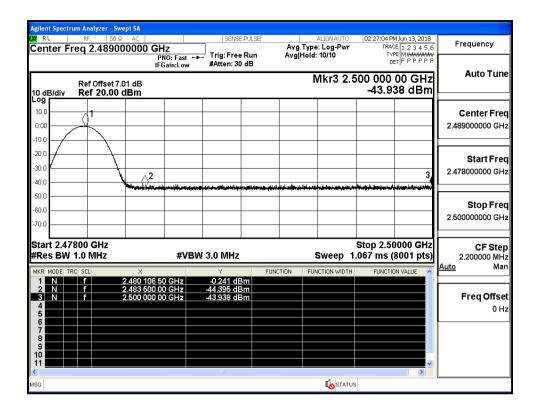
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



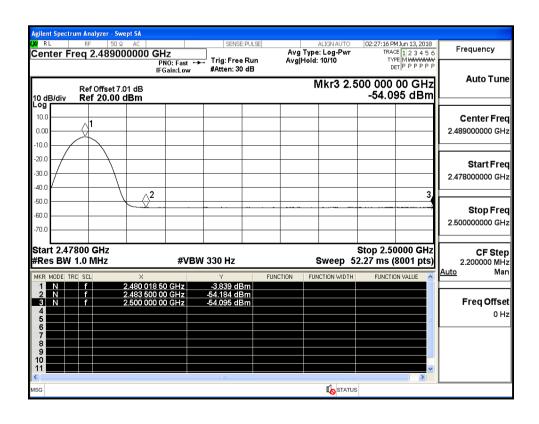
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



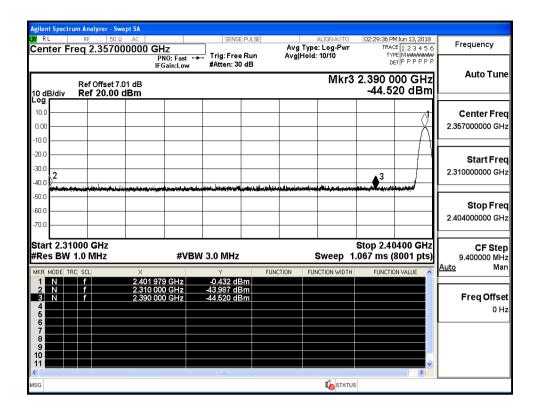
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



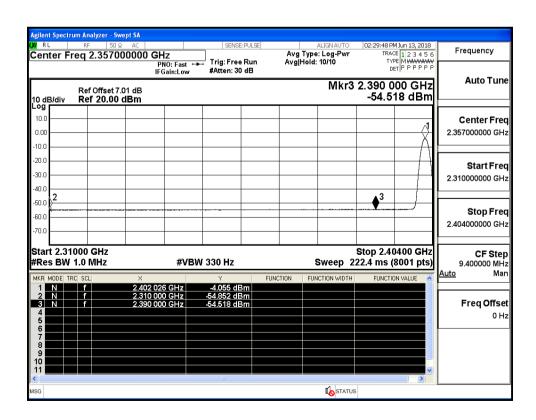
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



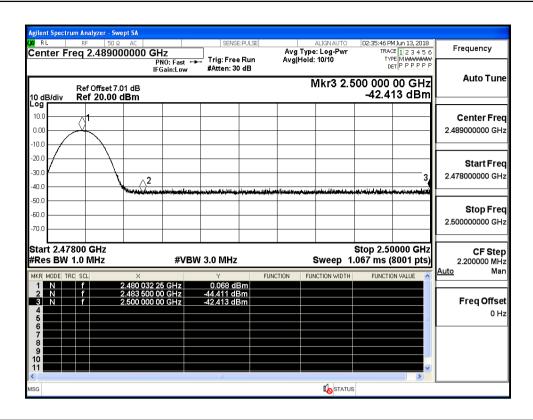
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

