Appendix A

RF Test Data for BT V4.2 (BDR/EDR) (Conducted Measurement)

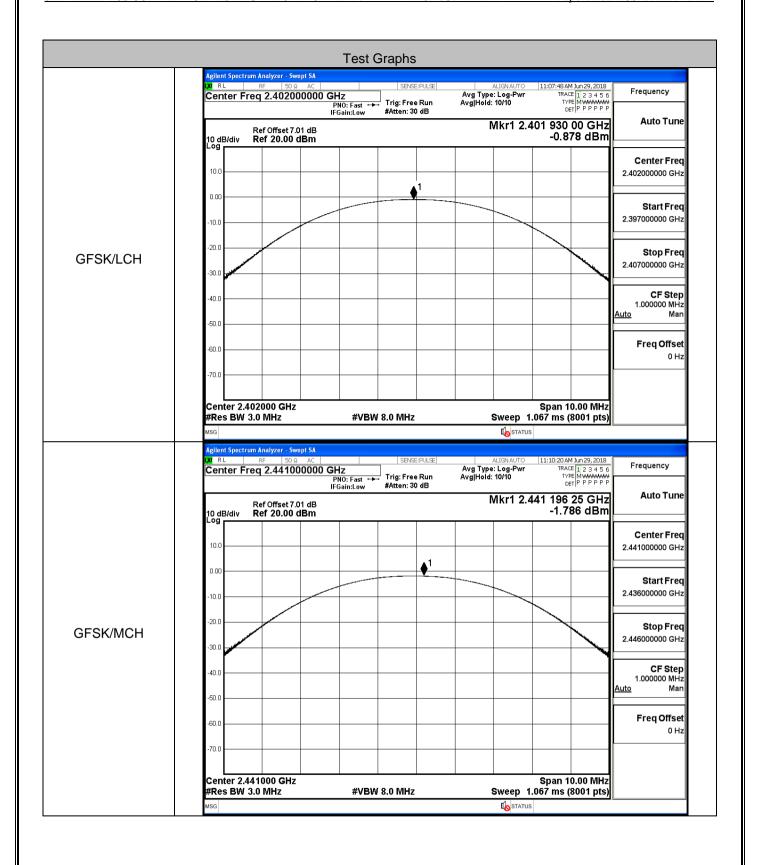
Product Name: Urbanista Milan Trade Mark: Urbanista Test Model: Urbanista Milan

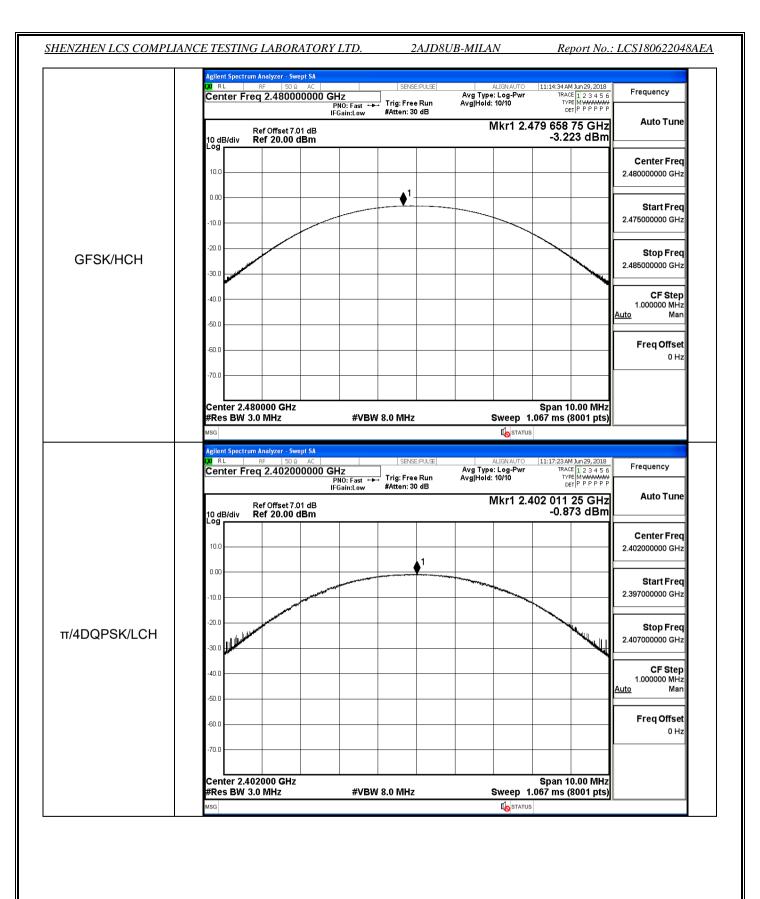
Environmental Conditions

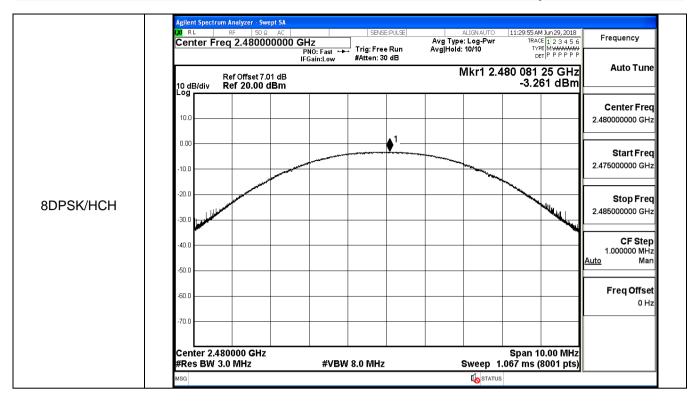
Temperature:	23.6 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Jayden.Zhuo

A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-0.878	21	PASS
GFSK	MCH	-1.786	21	PASS
	НСН	-3.223	21	PASS
	LCH	-0.873	21	PASS
π/4DQPSK	MCH	-1.826	21	PASS
	НСН	-3.206	21	PASS
	LCH	-0.902	21	PASS
8DPSK	8DPSK MCH -1.780		21	PASS
	HCH	-3.261	21	PASS

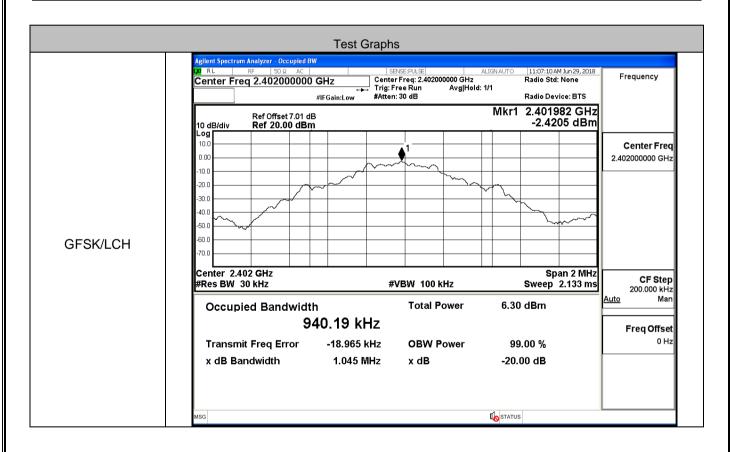


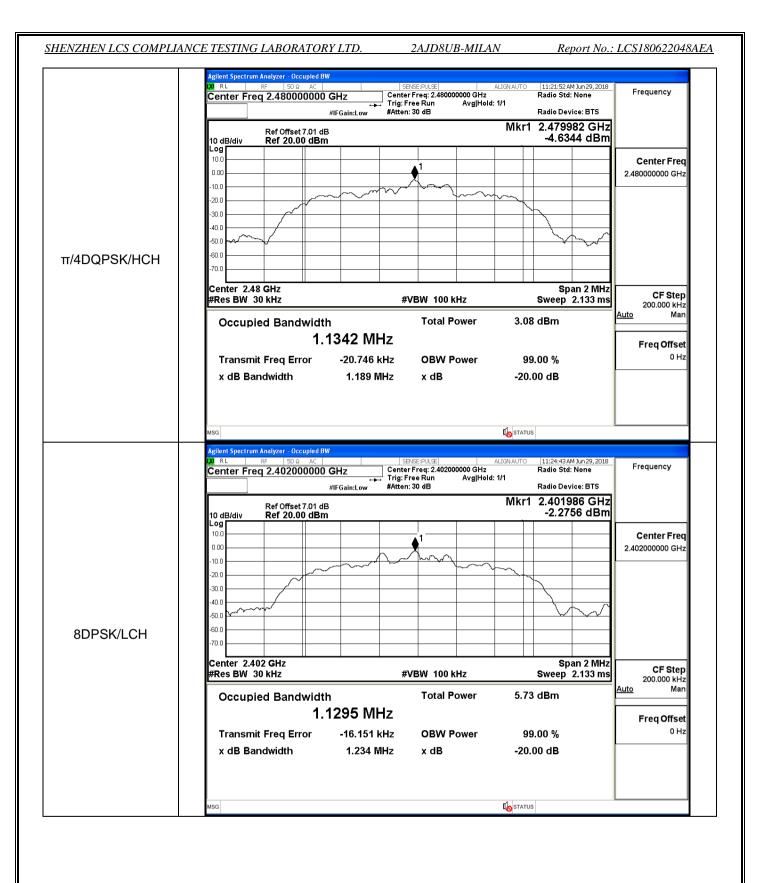




A.2 20dB Bandwidth

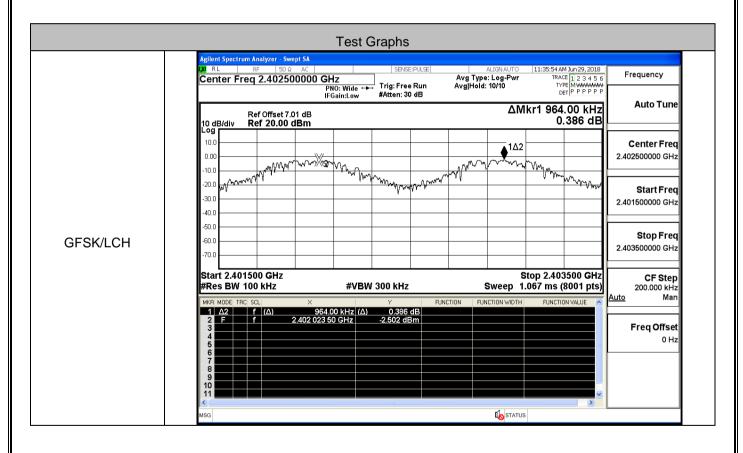
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.045	Not Specified	PASS
GFSK	MCH	1.045	Not Specified	PASS
	НСН	1.044	Not Specified	PASS
	LCH	1.189	Not Specified	PASS
π/4DQPSK	MCH	1.188	Not Specified	PASS
	HCH	1.189	Not Specified	PASS
	LCH	1.234	Not Specified	PASS
8DPSK	MCH	1.241	Not Specified	PASS
	HCH	1.198	Not Specified	PASS



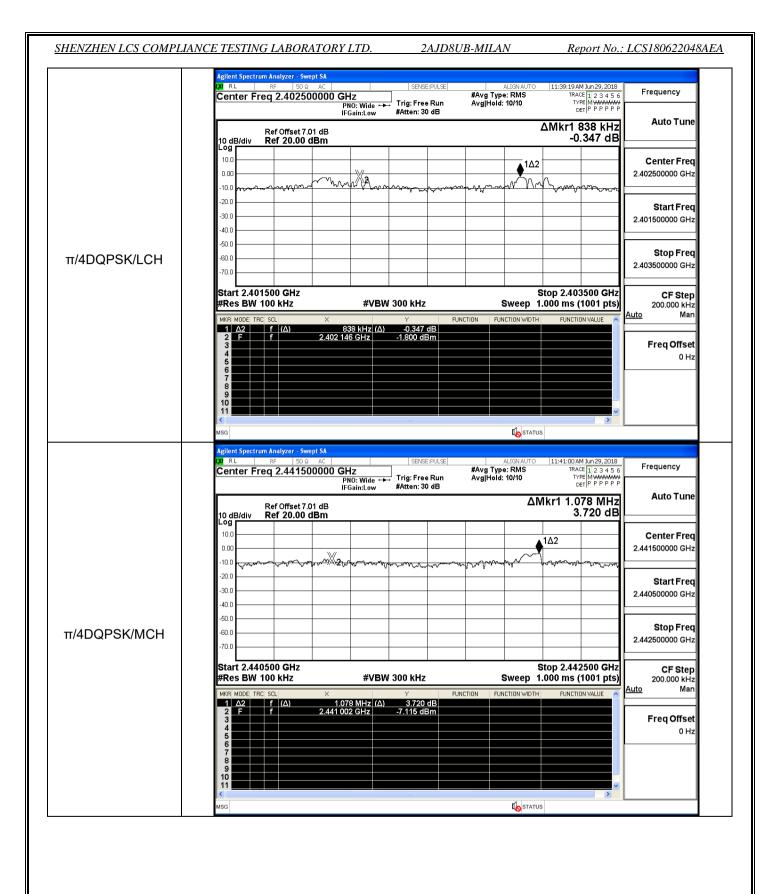


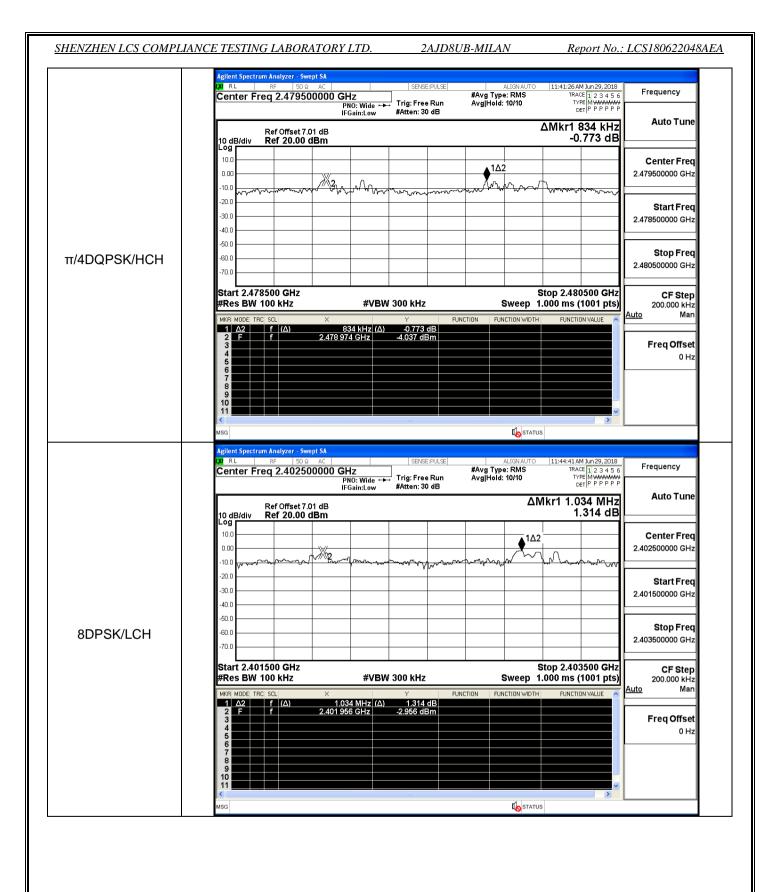
A.3 Carrier Frequency Separation

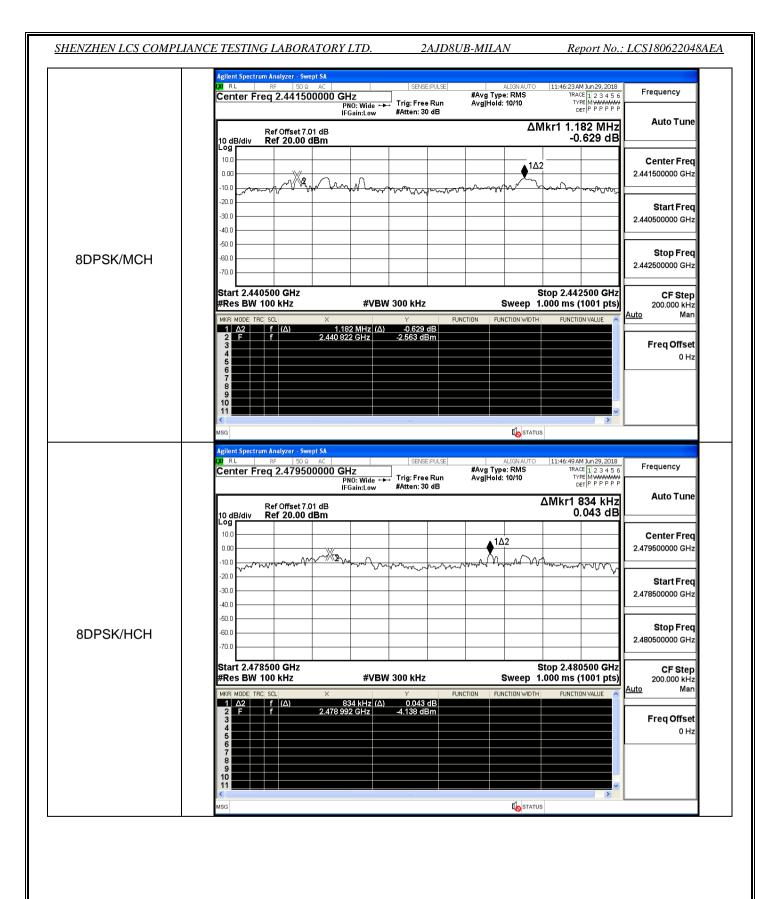
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.964	0.697	PASS
GFSK	MCH	0.906	0.697	PASS
	HCH	1.108	0.697	PASS
	LCH	0.838	0.793	PASS
π/4DQPSK	MCH	1.078	0.793	PASS
	НСН	0.834	0.793	PASS
	LCH	1.034	0.827	PASS
8DPSK	DPSK MCH 1.182		0.827	PASS
	HCH	0.834	0.827	PASS





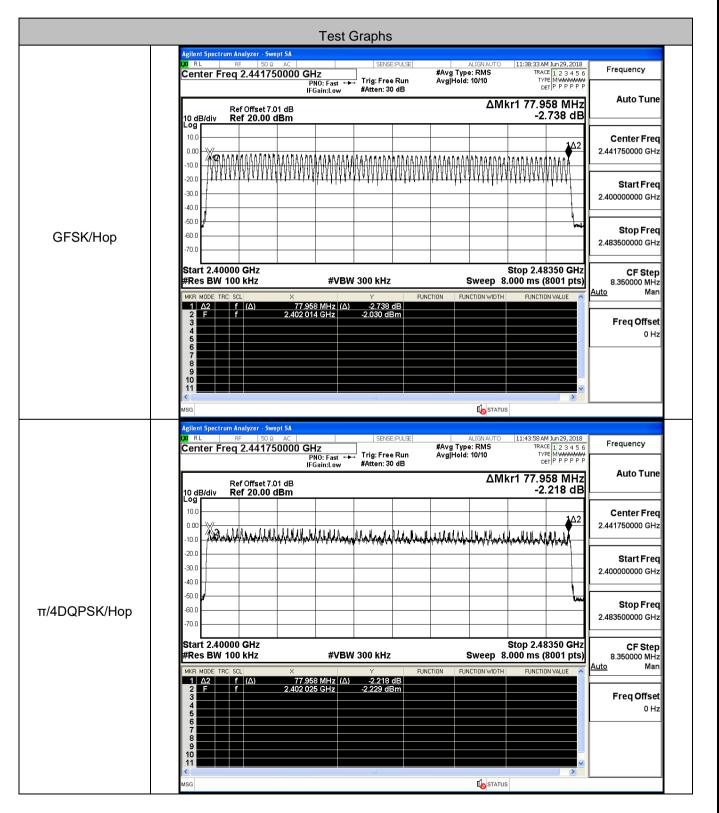




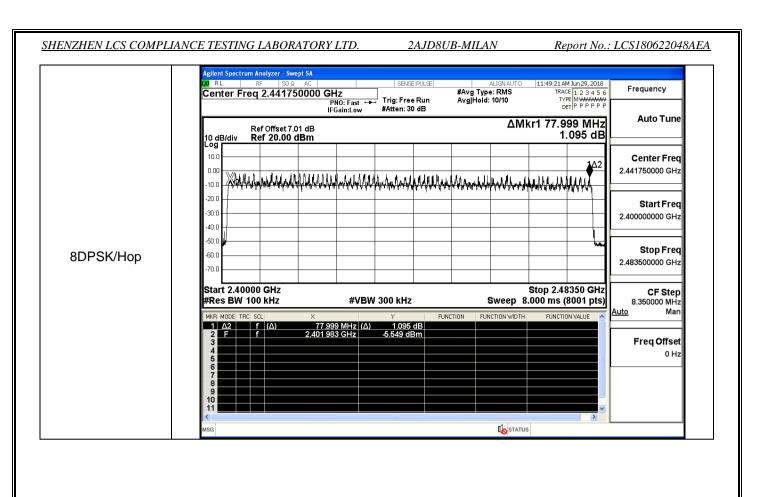


A.4 Hopping Channel Number

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

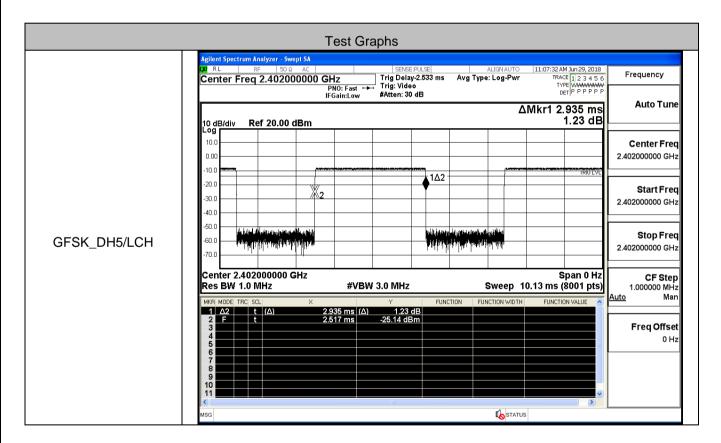


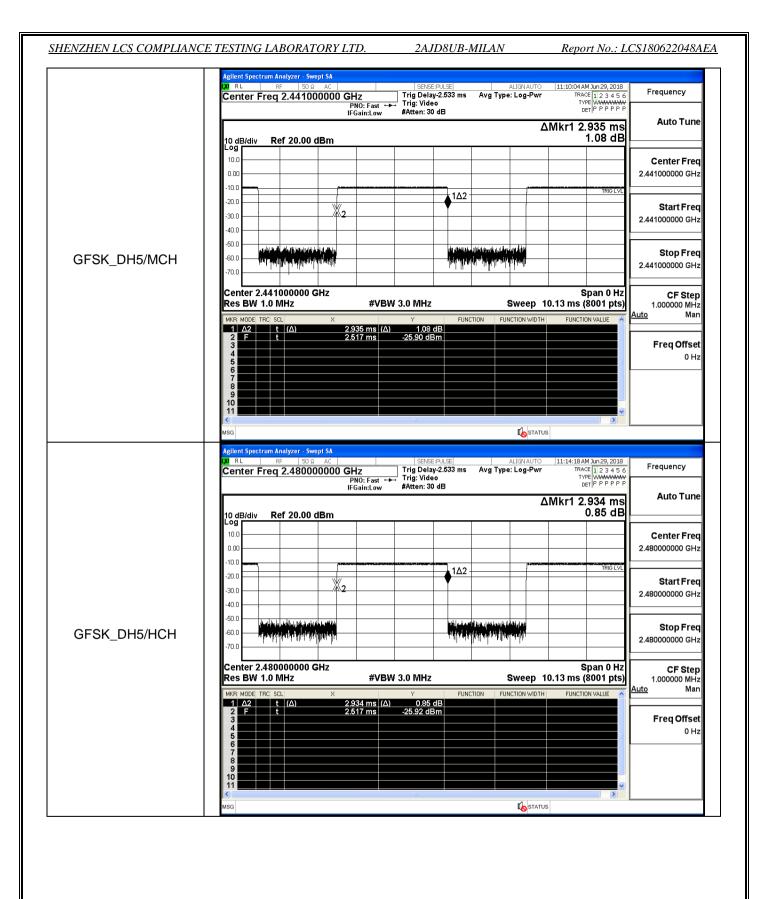
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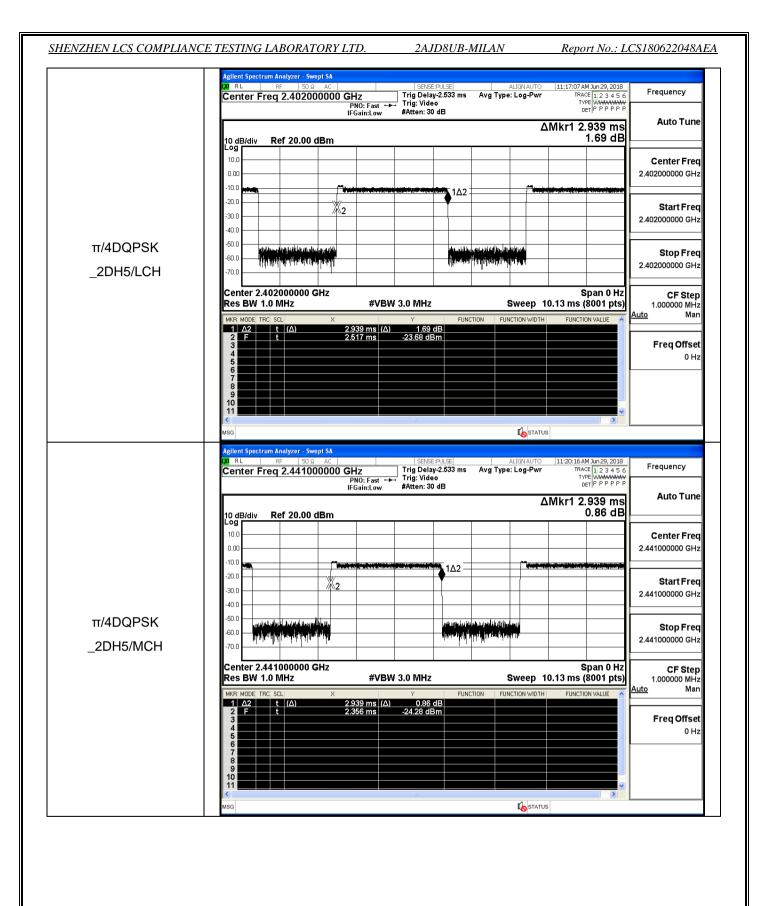


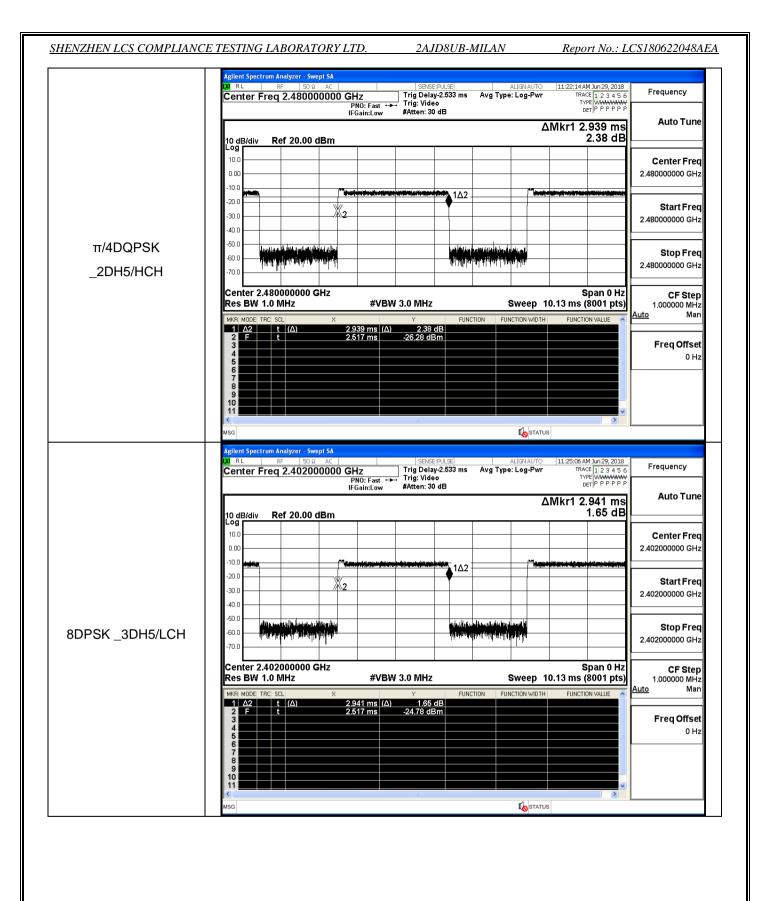
A.5 Dwell Time

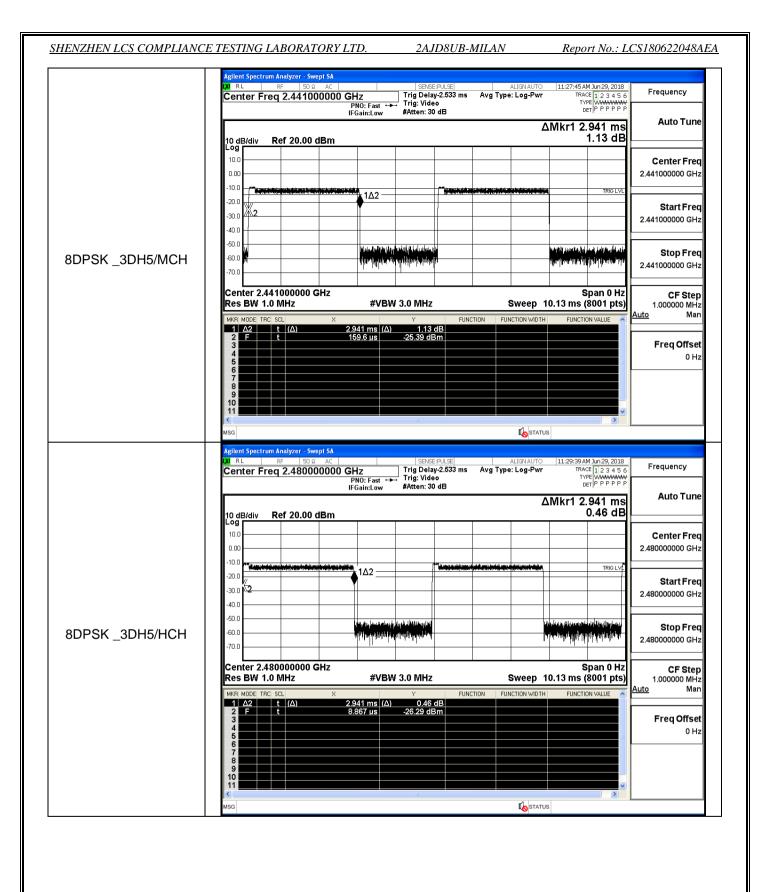
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.93	106.7	0.313	0.4	PASS
GFSK	DH5	MCH	2.93	106.7	0.313	0.4	PASS
	DH5	HCH	2.93	106.7	0.313	0.4	PASS
	2DH5	LCH	2.93	106.7	0.314	0.4	PASS
π/4DQPSK	2DH5	MCH	2.93	106.7	0.314	0.4	PASS
	2DH5	HCH	2.93	106.7	0.314	0.4	PASS
	3DH5	LCH	2.93	106.7	0.314	0.4	PASS
8DPSK	3DH5	MCH	2.93	106.7	0.314	0.4	PASS
	3DH5	HCH	2.93	106.7	0.314	0.4	PASS





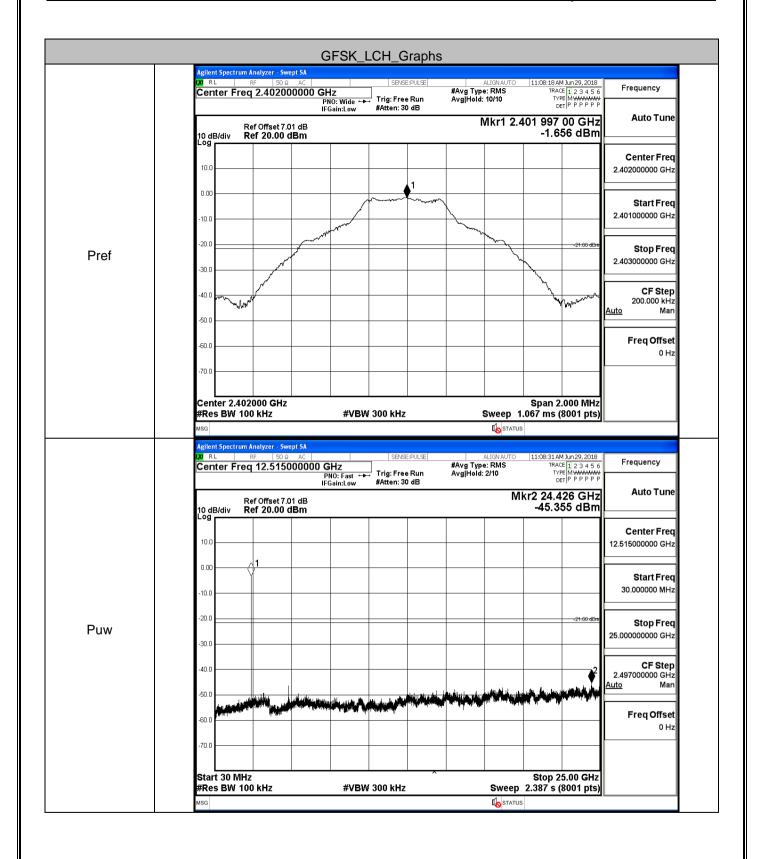


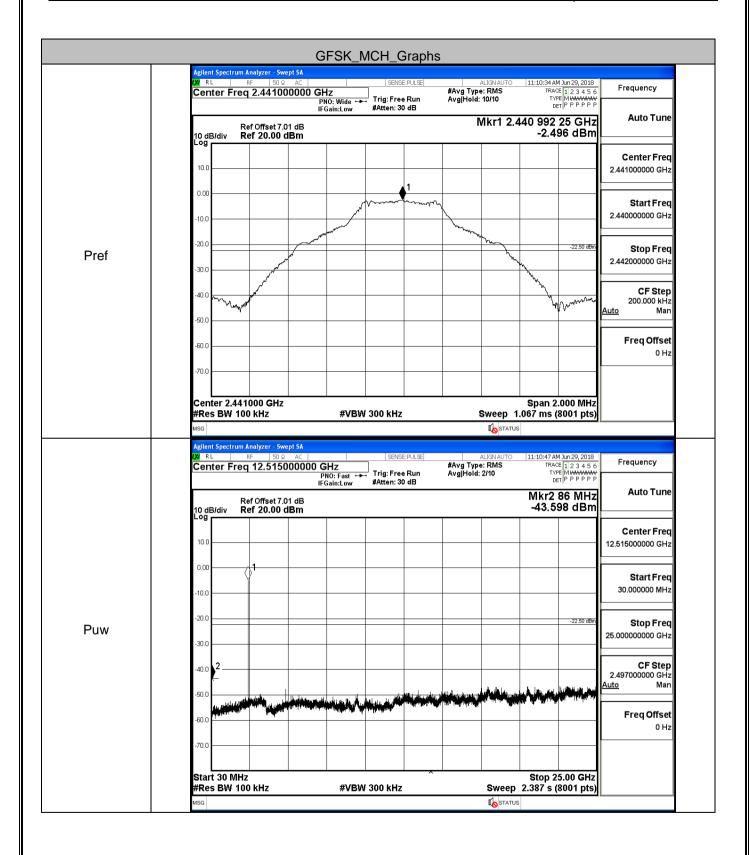


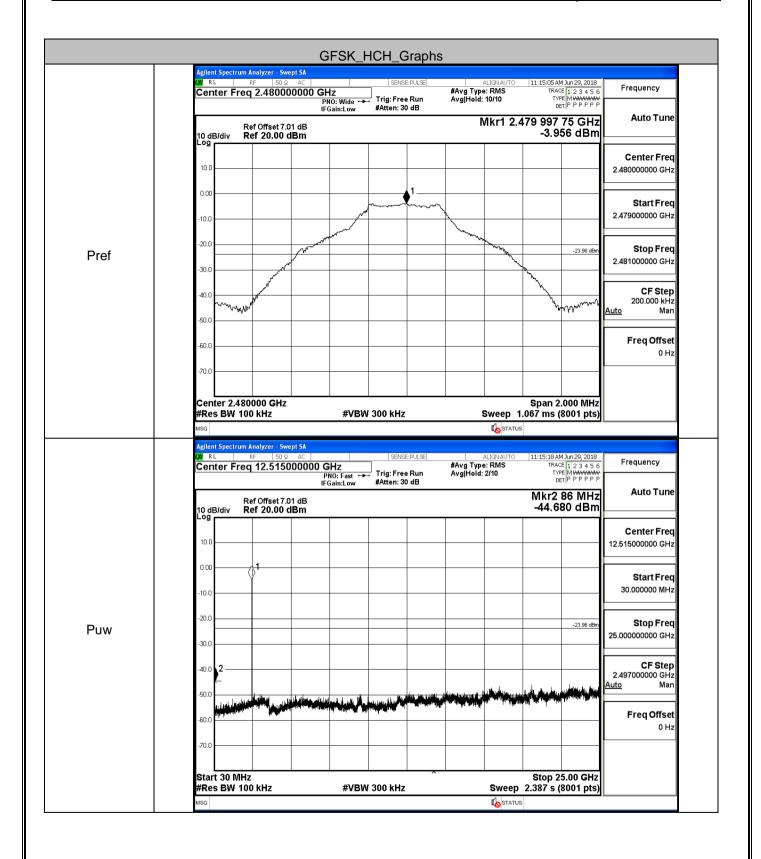


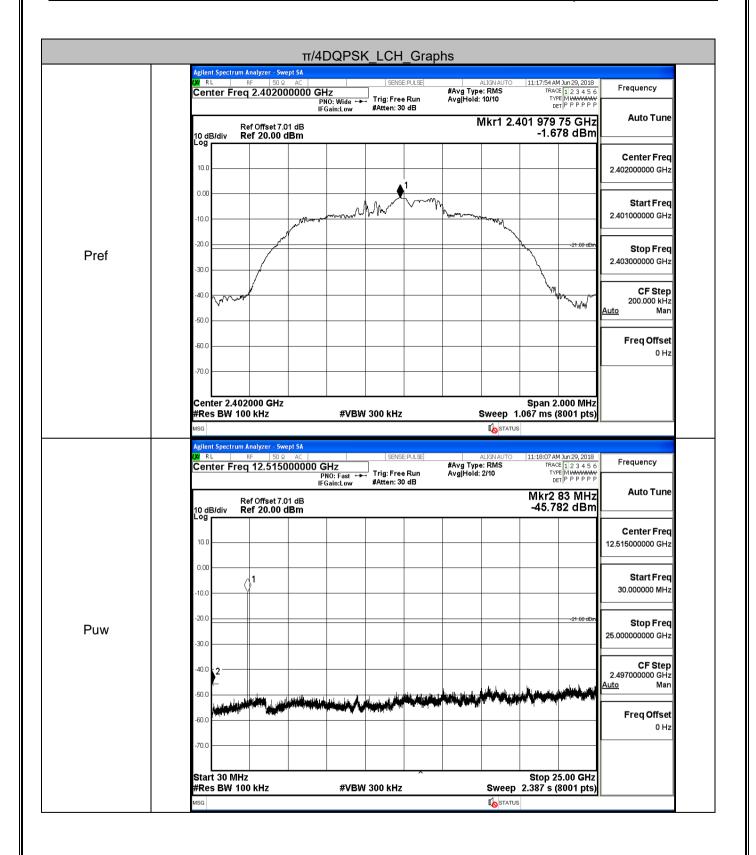
A.6 RF Conducted Spurious Emissions

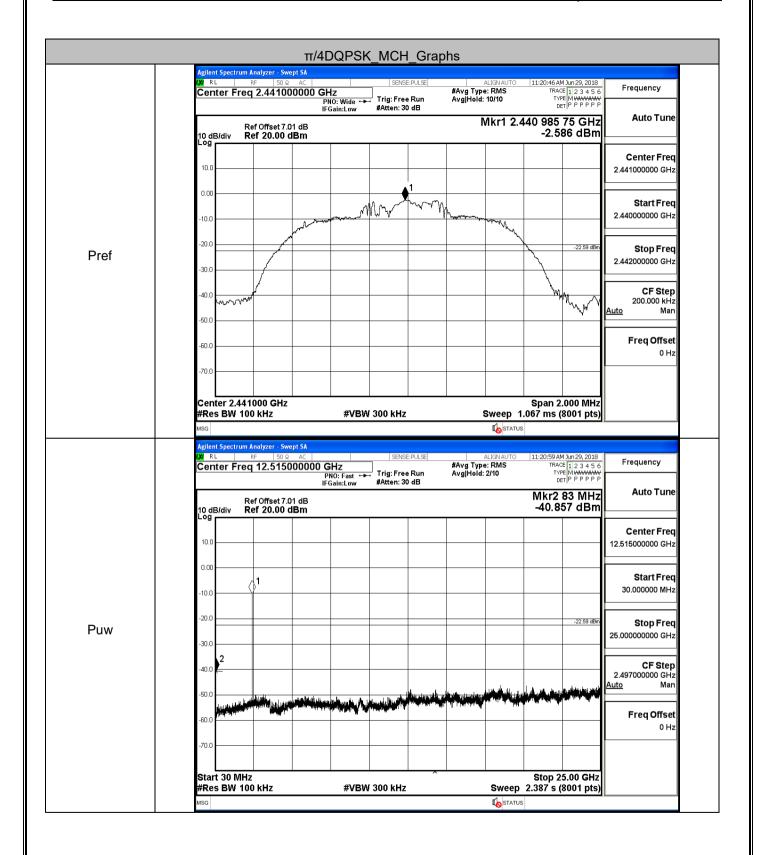
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.656	-45.355	-21.656	PASS
GFSK	MCH	-2.496	-43.598	-22.496	PASS
	НСН	-3.956	-44.680	-23.956	PASS
	LCH	-1.678	-45.782	-21.678	PASS
π/4DQPSK	MCH	-2.586	-40.857	-22.586	PASS
	НСН	-4.496	-45.972	-24.496	PASS
	LCH	-2.139	-42.687	-22.139	PASS
8DPSK	MCH	-3.071	-45.506	-23.071	PASS
	НСН	-3.949	-44.634	-23.949	PASS

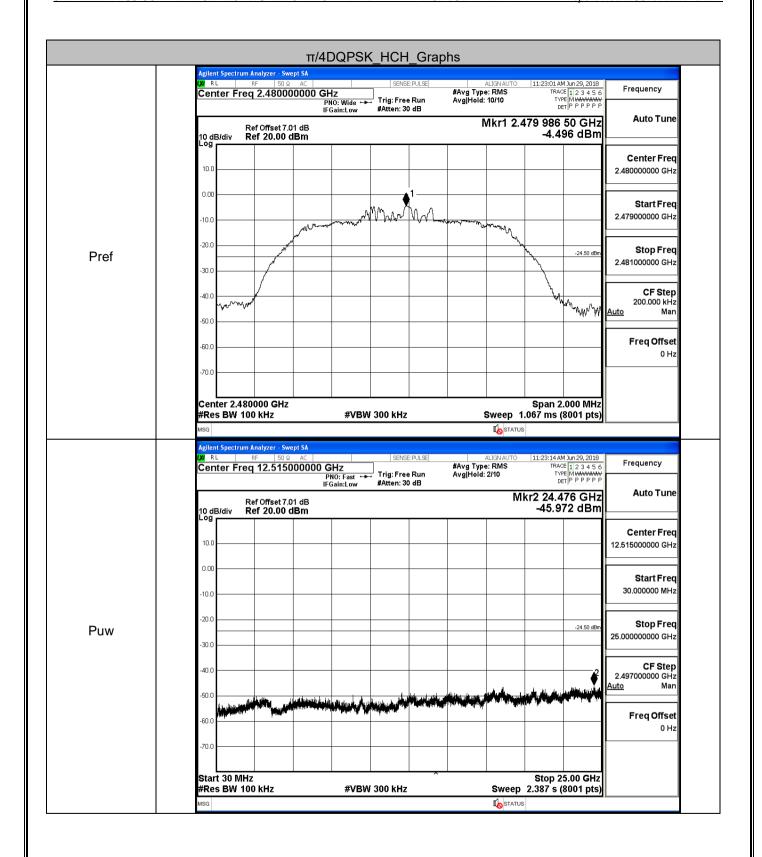


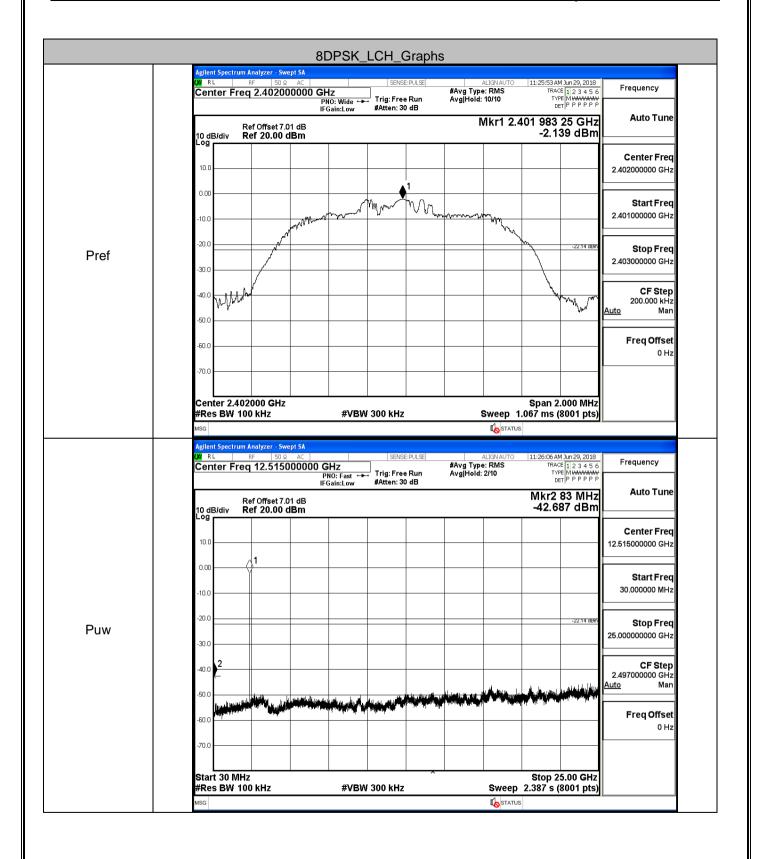


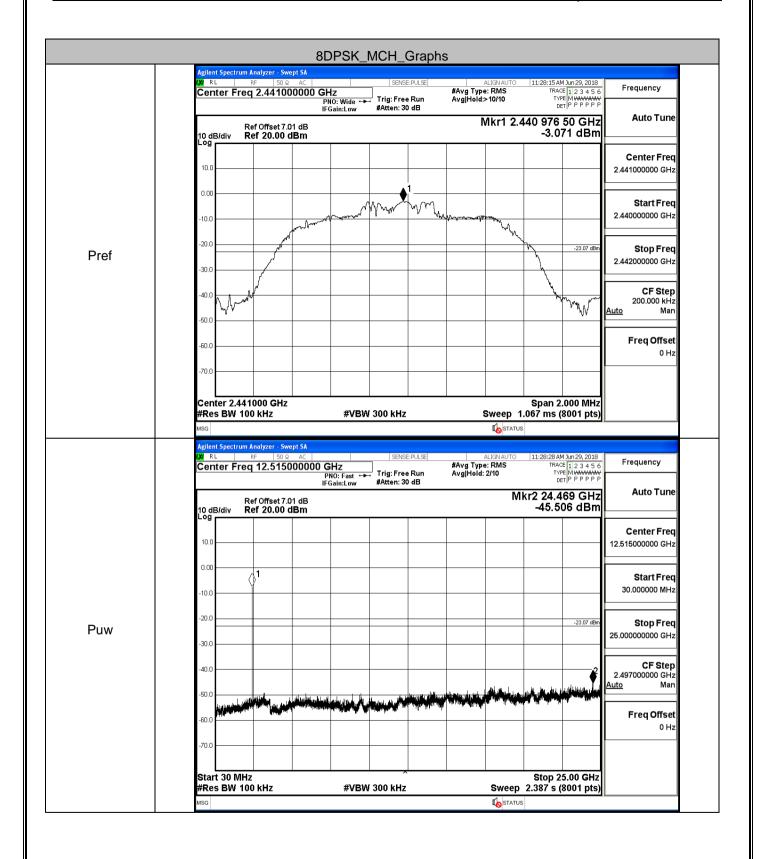


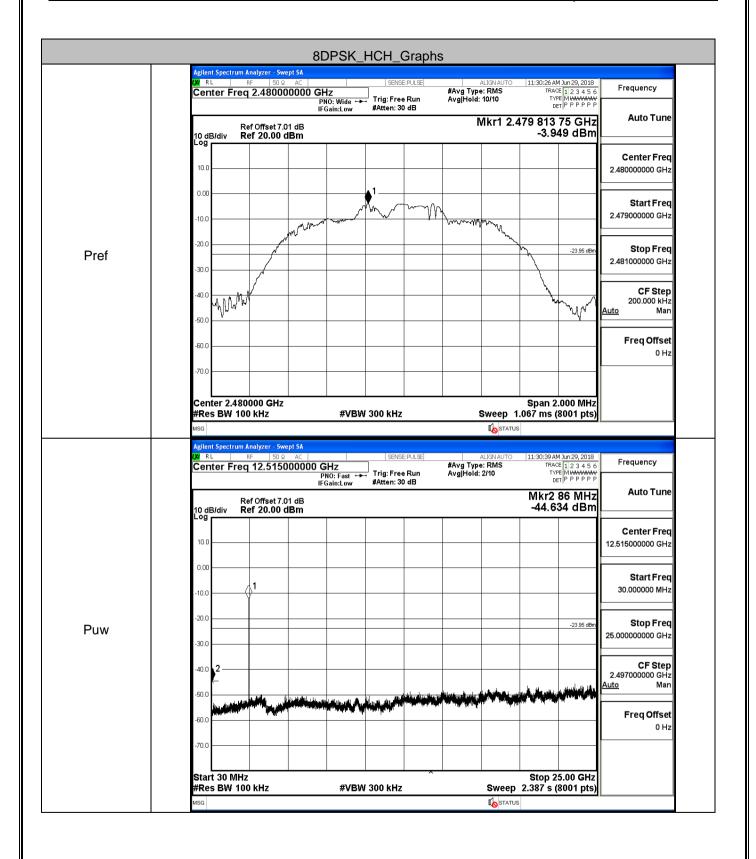






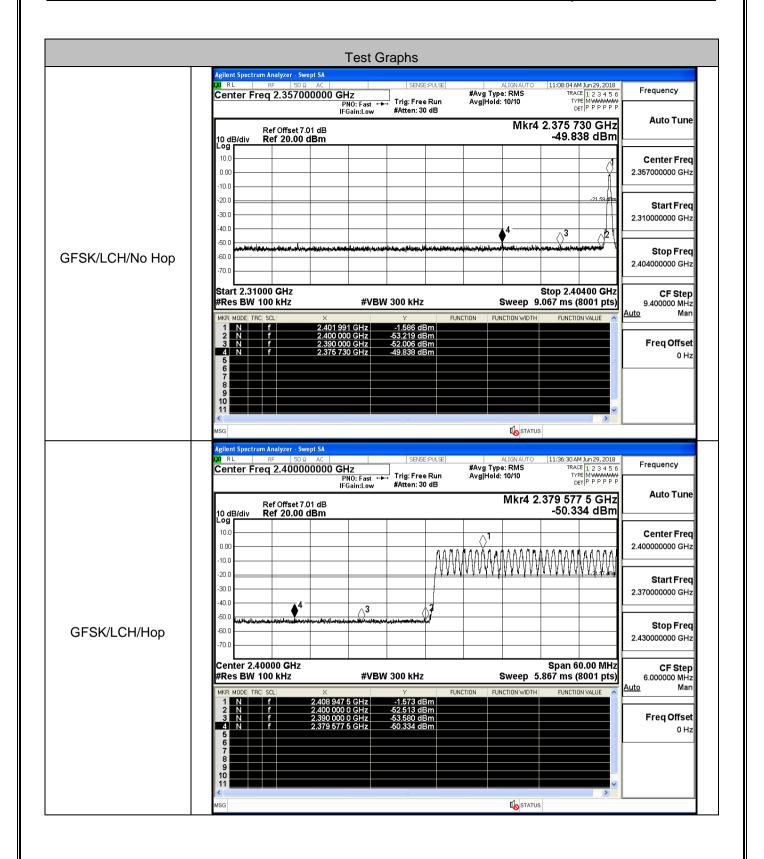


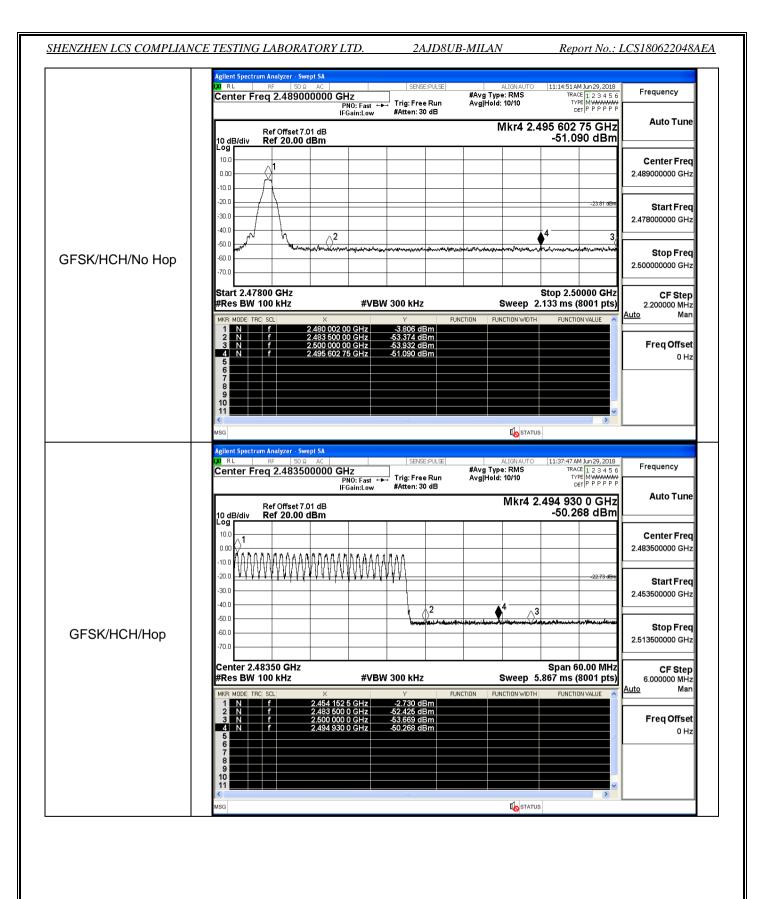


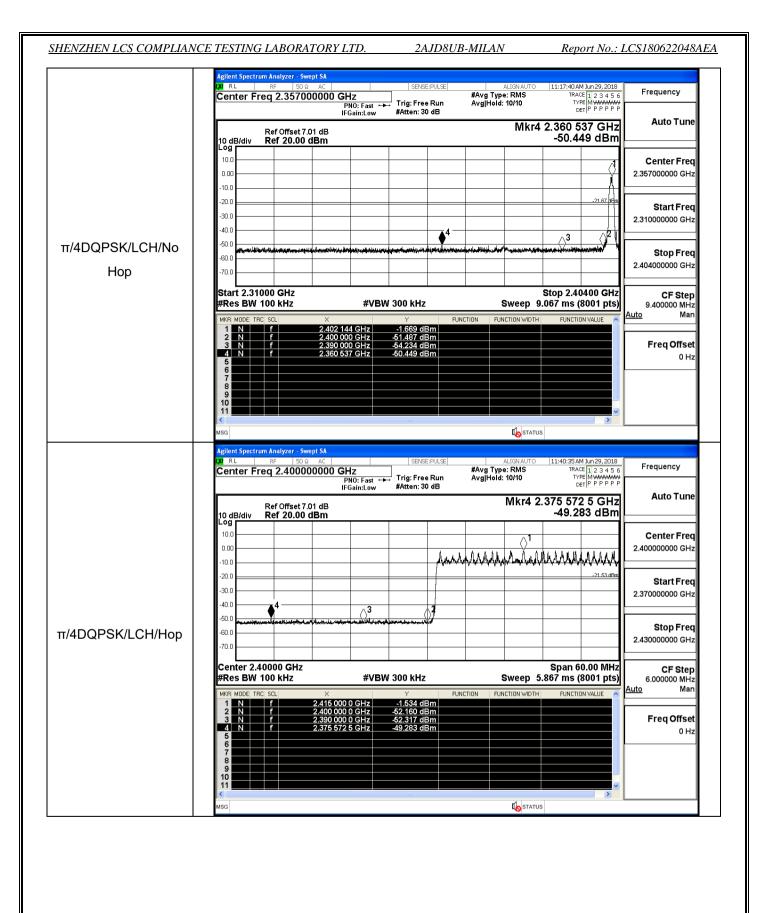


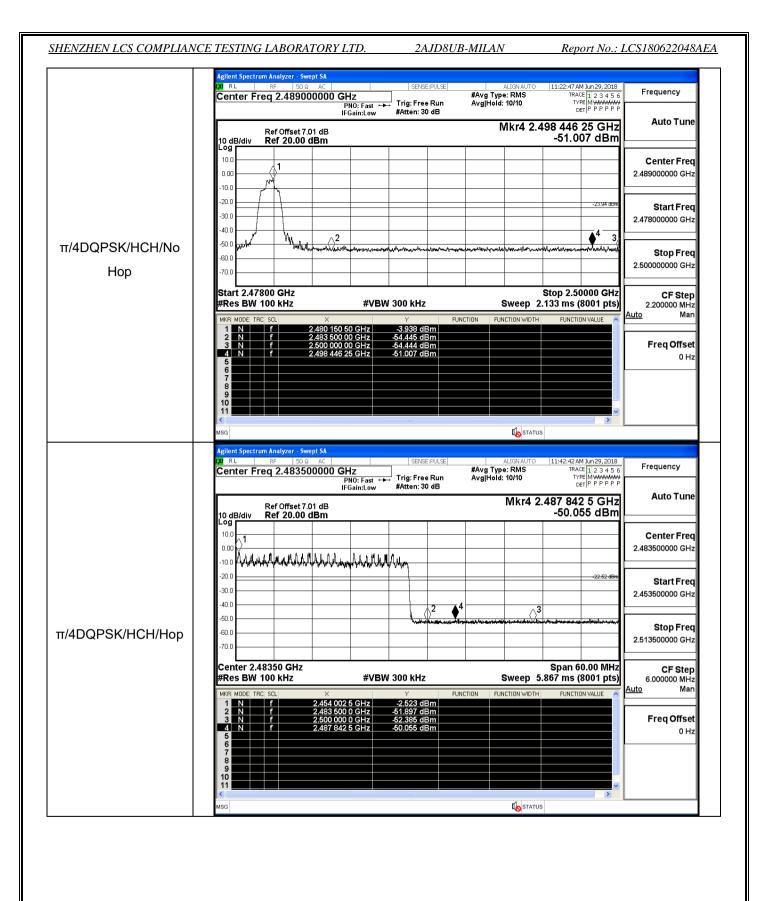
A.7 Band-edge for RF Conducted Emissions

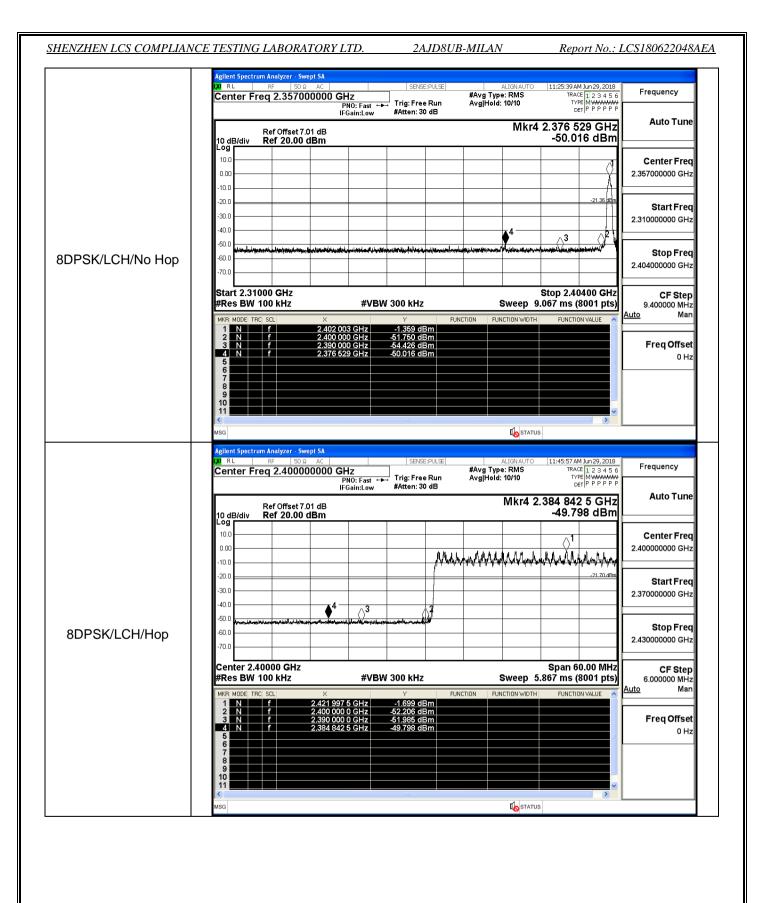
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict		
		0.400	-1.586	Off	-49.838	-21.59	PASS		
0.5014	LCH	2402	-1.573	On	-50.334	-21.57	PASS		
GFSK	НСН			-3.806	Off	-51.090	-23.81	PASS	
		2480	-2.730	On	-50.268	-22.73	PASS		
	LCH				-1.669	Off	-50.449	-21.67	PASS
		2402	-1.534	On	-49.283	-21.53	PASS		
π/4DQPSK	НСН		-3.938	Off	-51.007	-23.94	PASS		
		2480	-2.523	On	-50.055	-22.52	PASS		
			-1.359	Off	-50.016	-21.36	PASS		
	LCH	2402	-1.699	On	-49.798	-21.7	PASS		
8DPSK			-3.929	Off	-50.907	-23.93	PASS		
	HCH	2480	-2.719	On	-50.072	-22.72	PASS		

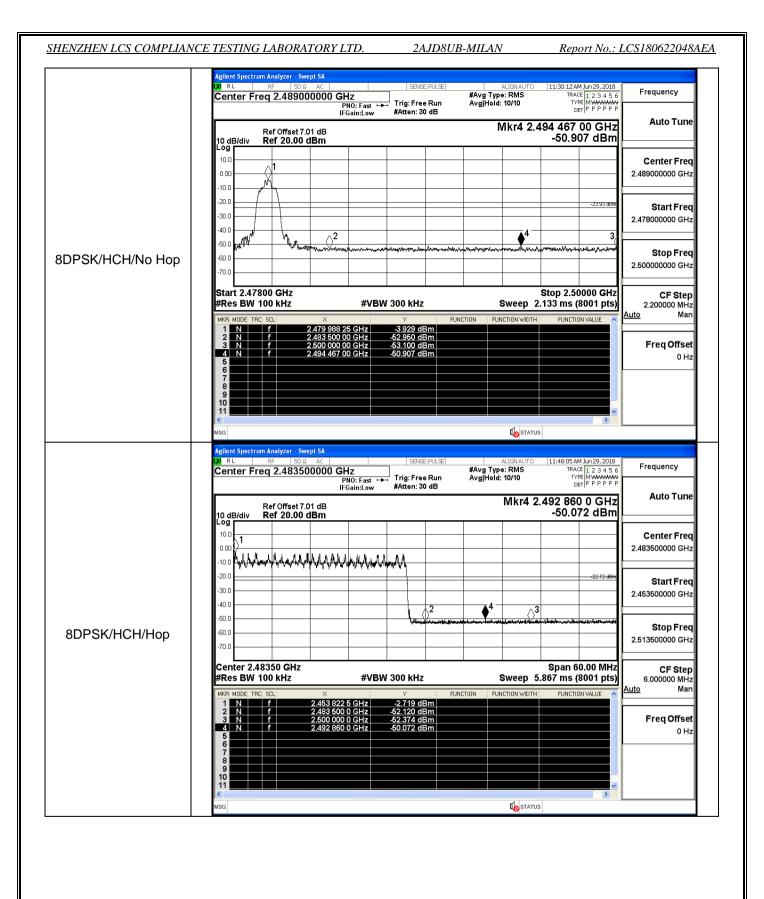






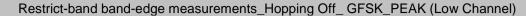


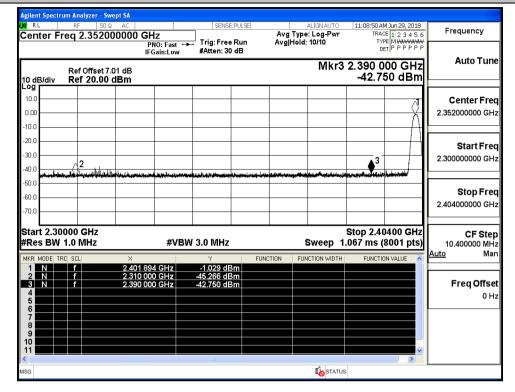




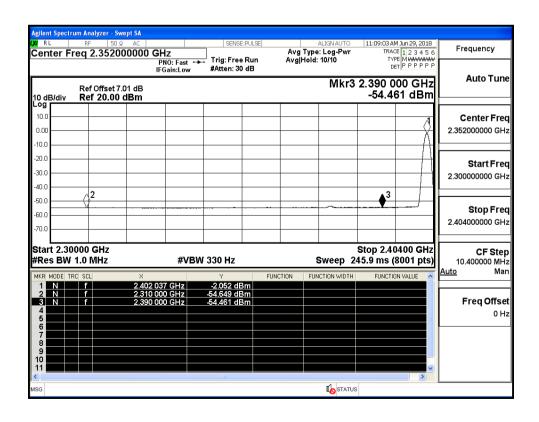
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-45.27	2.0	0	51.99	PEAK	74	PASS
	Off	2310.0	-54.65	2.0	0	42.61	AV	54	PASS
	Off	2390.0	-42.75	2.0	0	54.51	PEAK	74	PASS
	Off	2390.0	-54.46	2.0	0	42.80	AV	54	PASS
GFSK	Off	2483.5	-41.72	2.0	0	55.54	PEAK	74	PASS
	Off	2483.5	-53.95	2.0	0	43.31	AV	54	PASS
	Off	2500.0	-44.28	2.0	0	52.98	PEAK	74	PASS
	Off	2500.0	-54.09	2.0	0	43.17	AV	54	PASS
	Off	2310.0	-44.24	2.0	0	53.02	PEAK	74	PASS
	Off	2310.0	-54.69	2.0	0	42.57	AV	54	PASS
	Off	2390.0	-43.41	2.0	0	53.85	PEAK	74	PASS
	Off	2390.0	-54.46	2.0	0	42.79	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.32	2.0	0	53.94	PEAK	74	PASS
	Off	2483.5	-53.96	2.0	0	43.30	AV	54	PASS
	Off	2500.0	-44.04	2.0	0	53.21	PEAK	74	PASS
	Off	2500.0	-54.14	2.0	0	43.12	AV	54	PASS
	Off	2310.0	-44.01	2.0	0	53.25	PEAK	74	PASS
	Off	2310.0	-54.75	2.0	0	42.51	AV	54	PASS
	Off	2390.0	-43.31	2.0	0	53.95	PEAK	74	PASS
	Off	2390.0	-54.57	2.0	0	42.69	AV	54	PASS
8DPSK	Off	2483.5	-44.94	2.0	0	52.32	PEAK	74	PASS
	Off	2483.5	-53.95	2.0	0	43.31	AV	54	PASS
	Off	2500.0	-43.73	2.0	0	53.53	PEAK	74	PASS
	Off	2500.0	-54.15	2.0	0	43.10	AV	54	PASS

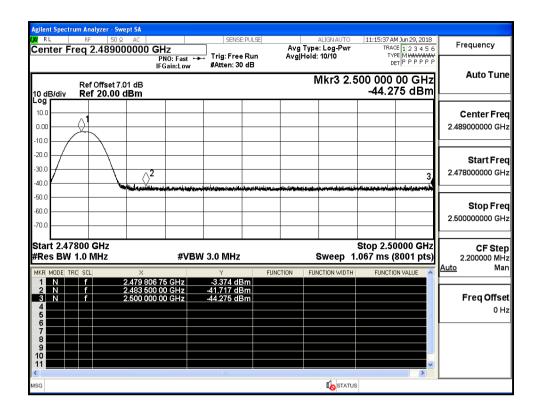




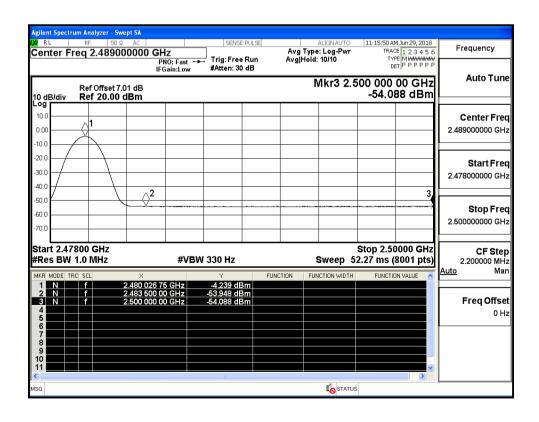
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



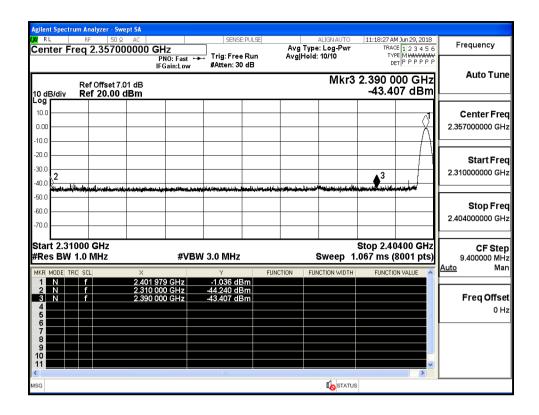
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



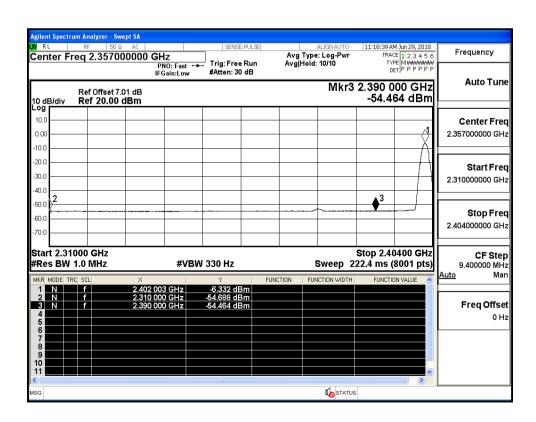
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



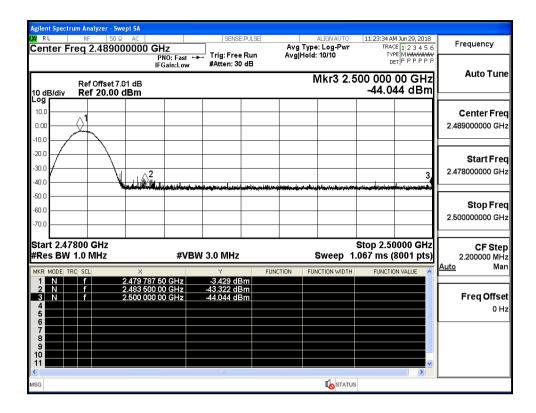
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



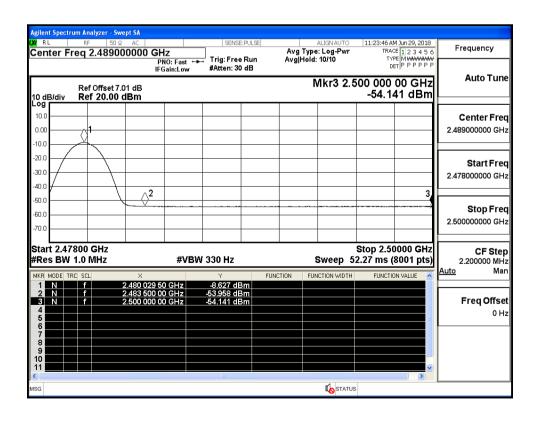
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



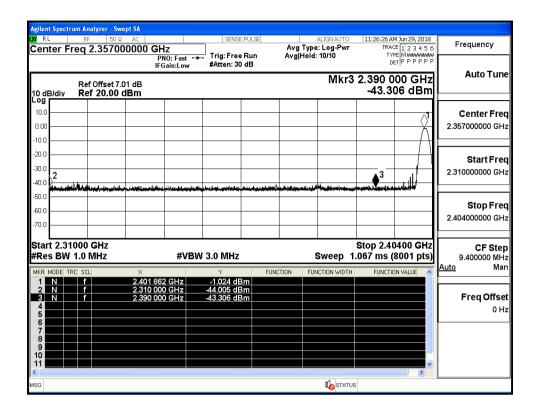
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



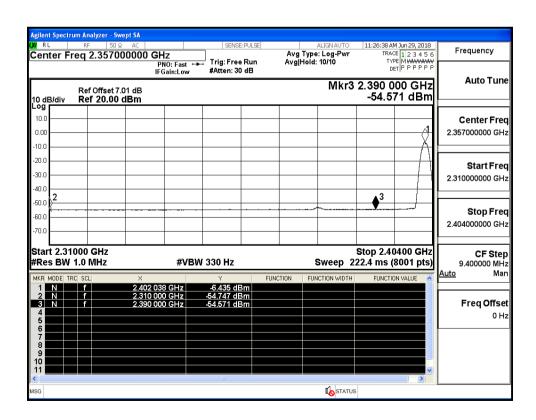
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



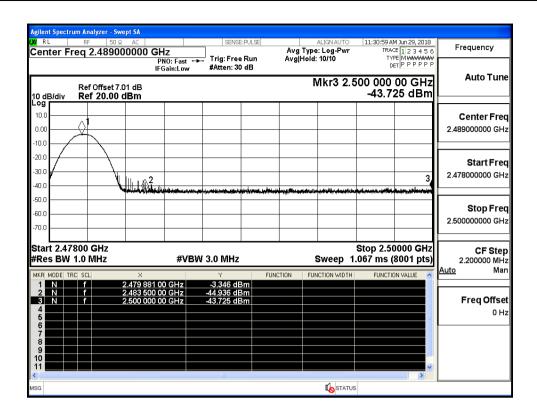
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

