Appendix A

RF Test Data for BT V2.1+EDR (Conducted Measurement)

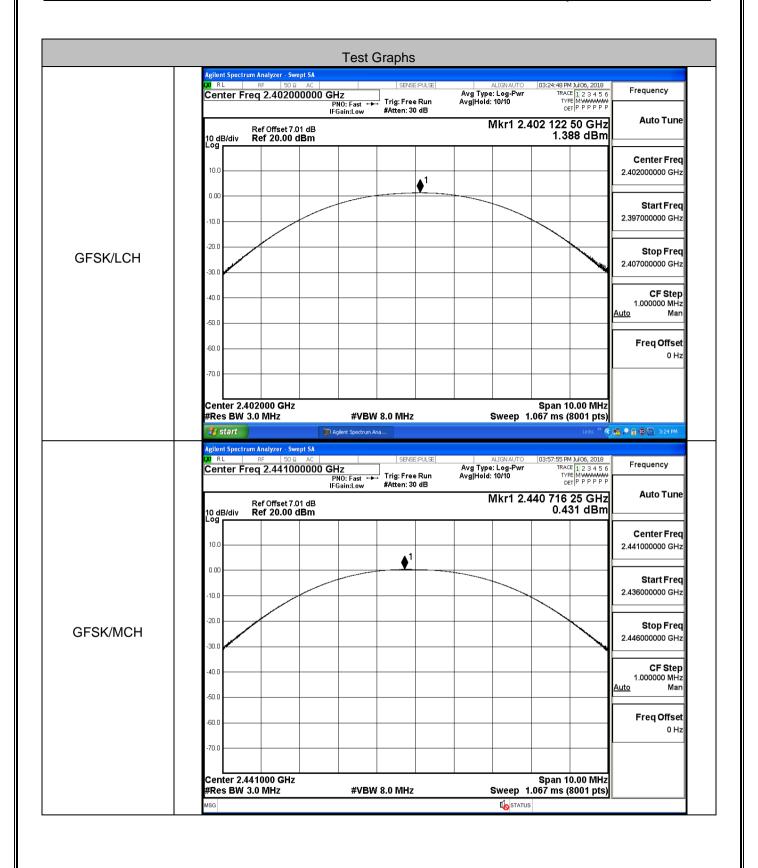
Product Name: 2G Mobile Phone Trade Mark: GOL Test Model: Z1

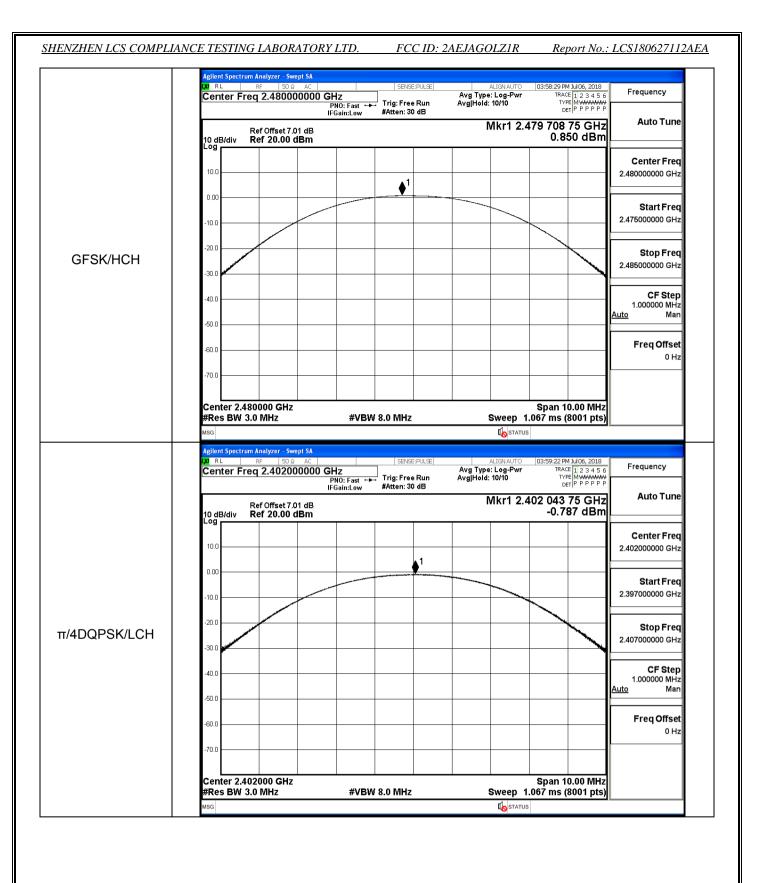
Environmental Conditions

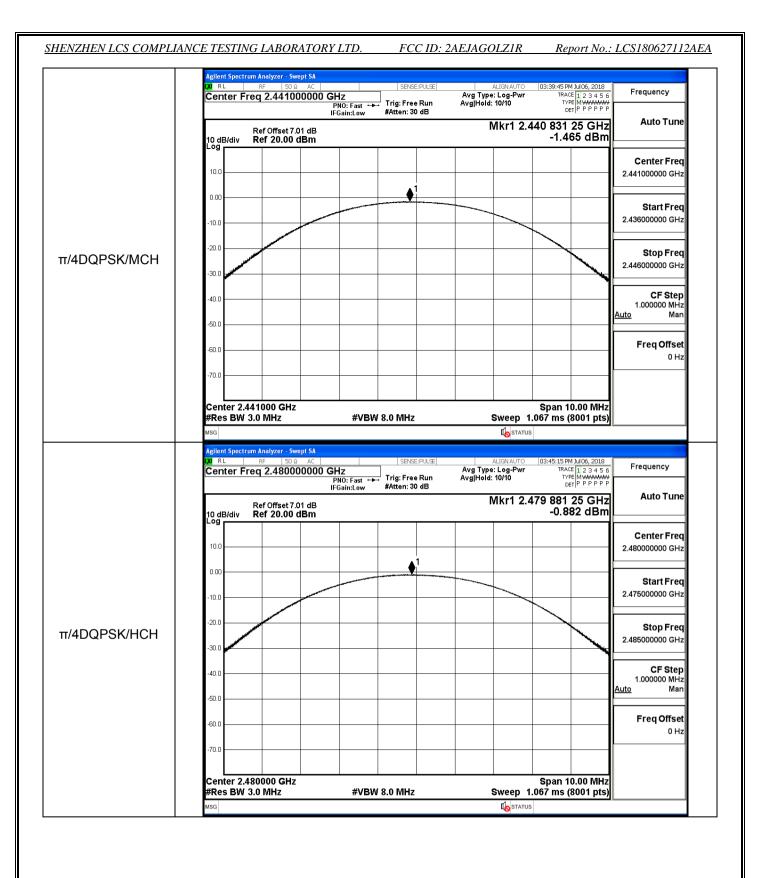
·	
Temperature:	22.7 ° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina Xu
Supervised by:	Jayden Zhuo

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	1.388	30	PASS
GFSK	MCH	0.431	30	PASS
	НСН	0.850	30	PASS
	LCH	-0.787	21	PASS
π/4DQPSK	MCH	-1.465	21	PASS
	НСН	-0.882	21	PASS
	LCH	-0.452	21	PASS
8DPSK	BDPSK MCH -1.032		21	PASS
	HCH	-0.559	21	PASS

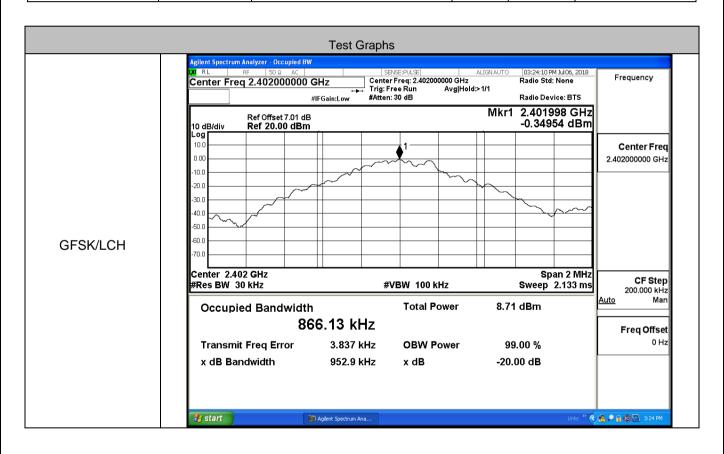


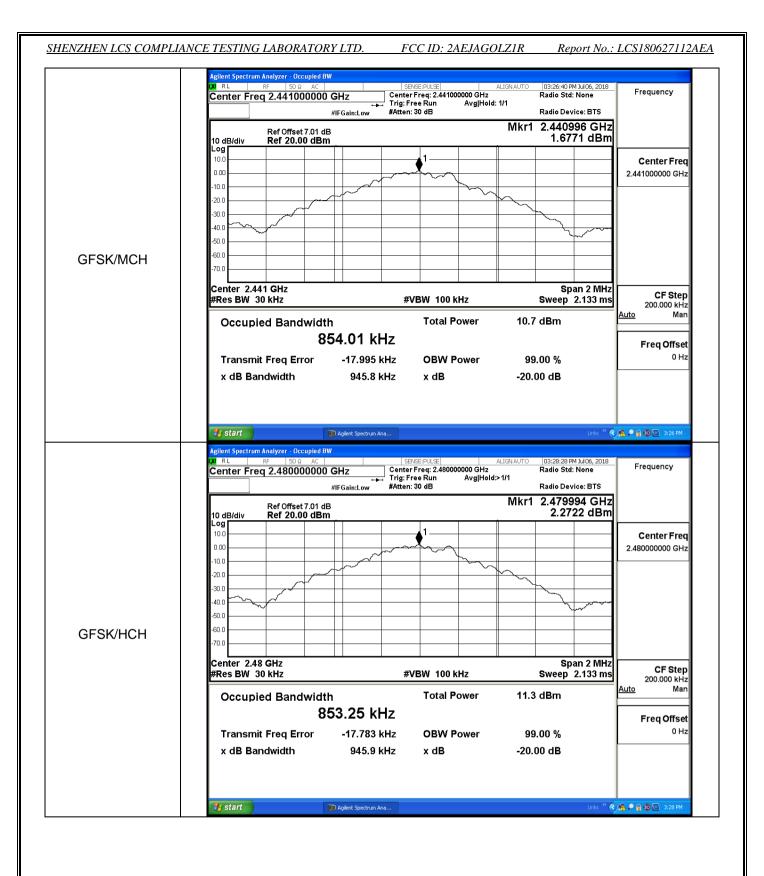




A.2 20dB Bandwidth

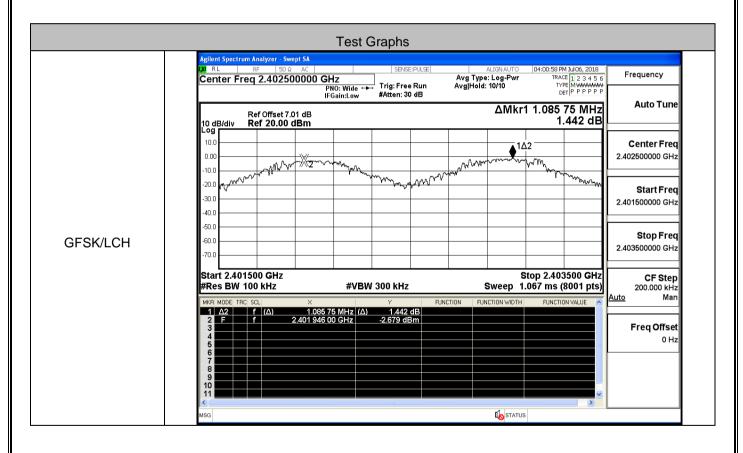
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9529	Not Specified	PASS
GFSK	MCH	0.9458	Not Specified	PASS
	HCH	0.9459	Not Specified	PASS
	LCH	1.265	Not Specified	PASS
π/4DQPSK	MCH	1.232	Not Specified	PASS
	НСН	1.229	Not Specified	PASS
	LCH	1.278	Not Specified	PASS
8DPSK	MCH	1.264	Not Specified	PASS
	НСН	1.261	Not Specified	PASS

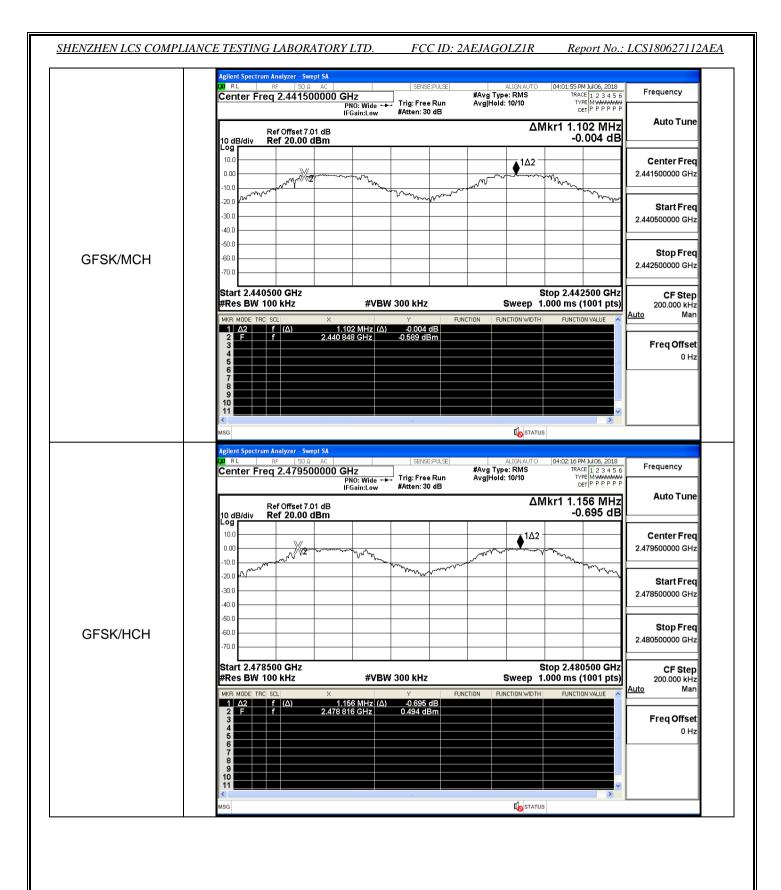


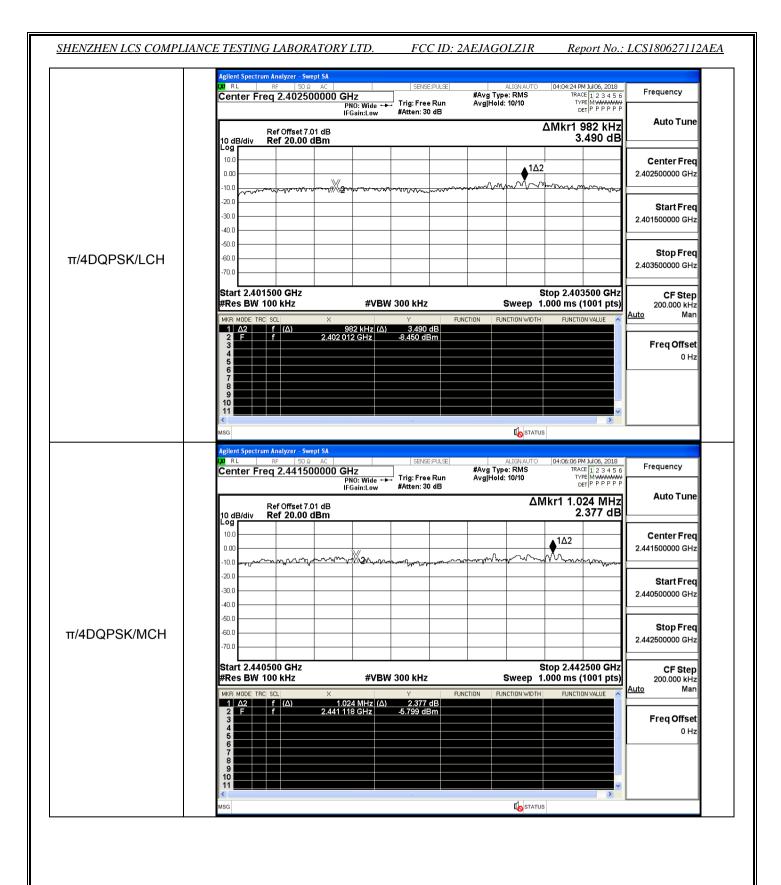


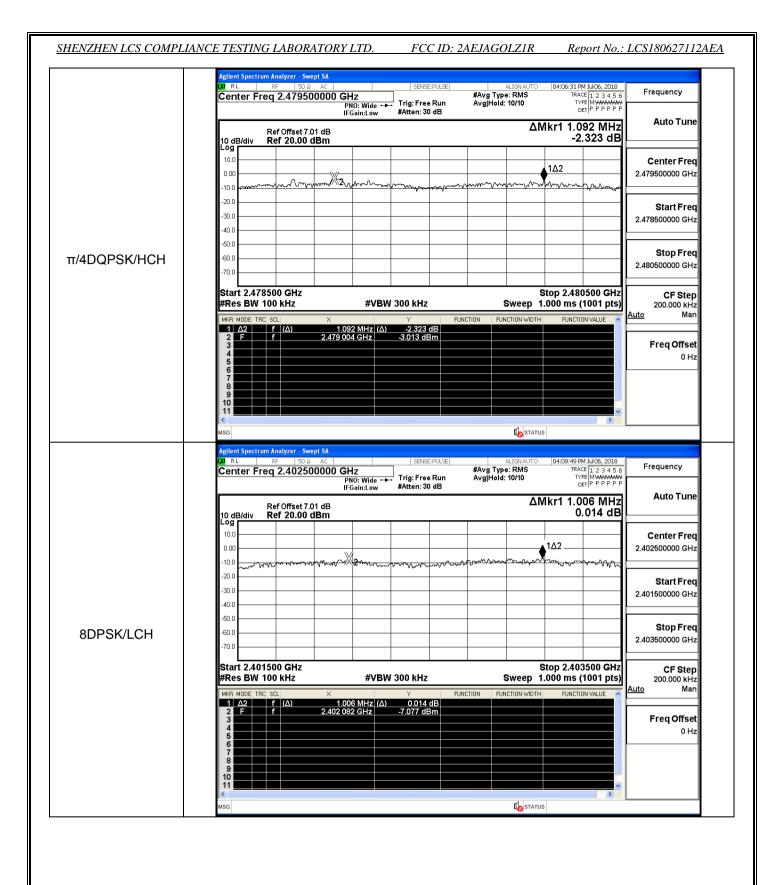
A.3 Carrier Frequency Separation

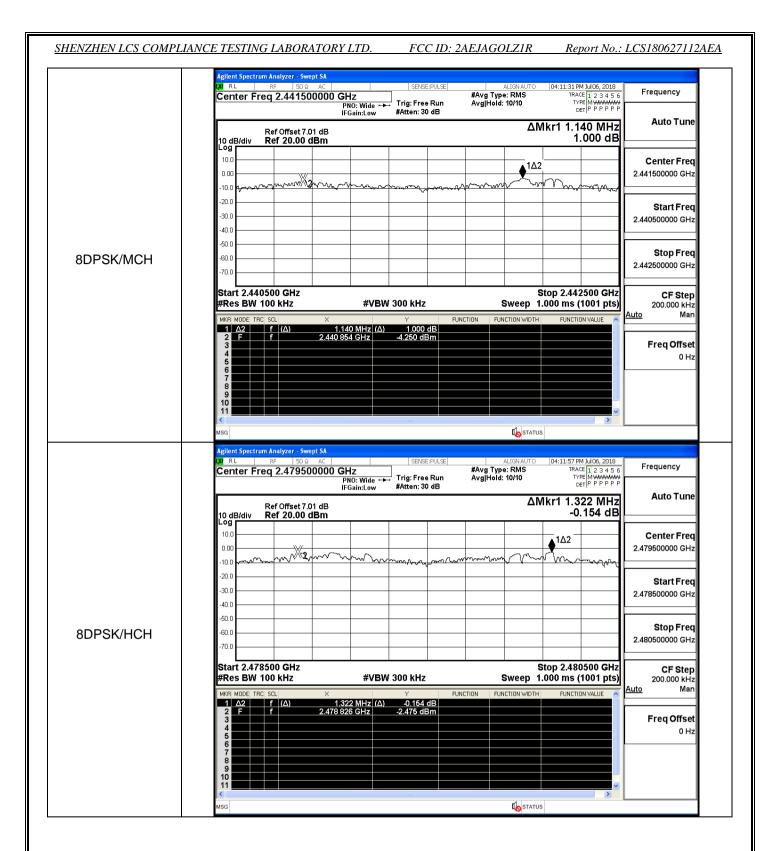
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.086	0.9529	PASS
GFSK	MCH	1.102	0.9458	PASS
	HCH	1.156	0.9459	PASS
	LCH	0.982	0.843	PASS
π/4DQPSK	MCH	1.024	0.843	PASS
	HCH	1.092	0.843	PASS
8DPSK	LCH	1.006	0.852	PASS
	DPSK MCH 1.140		0.852	PASS
	HCH	1.322	0.852	PASS









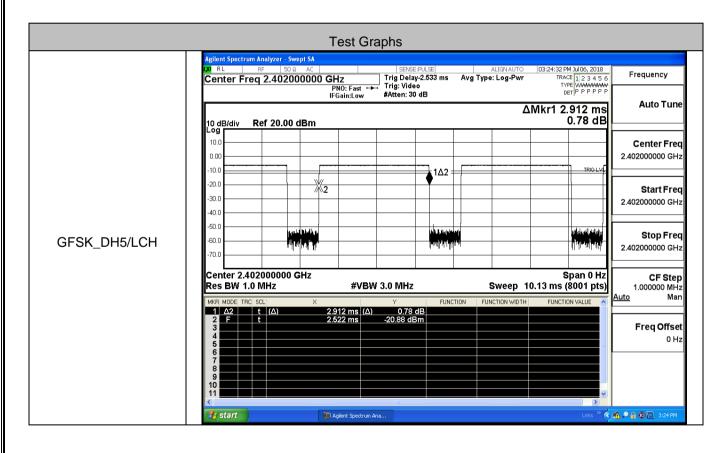


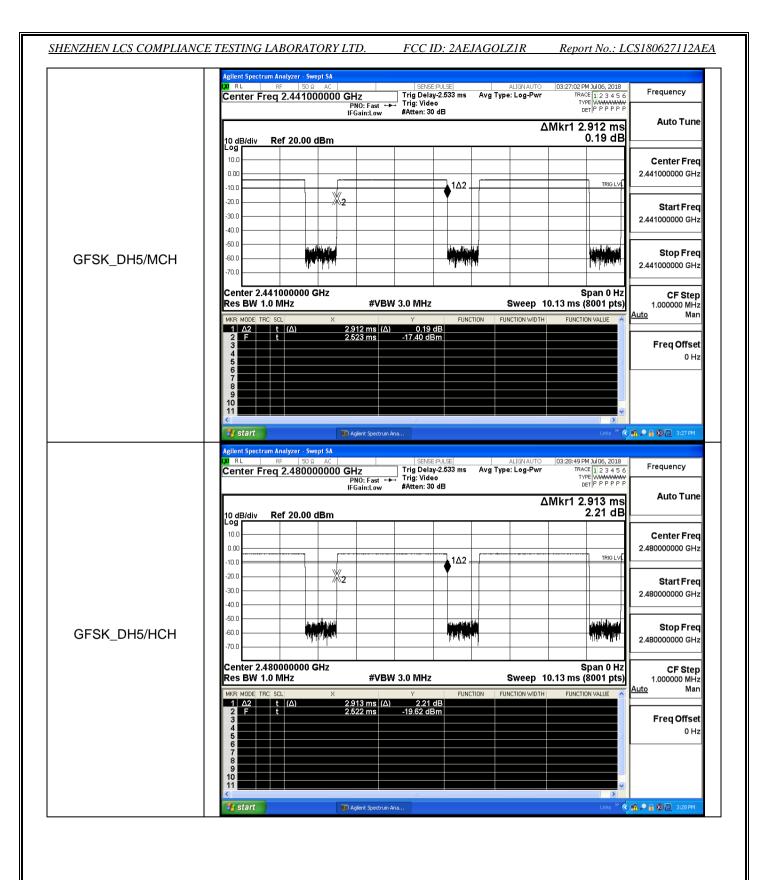
A.4 Hopping Channel Number

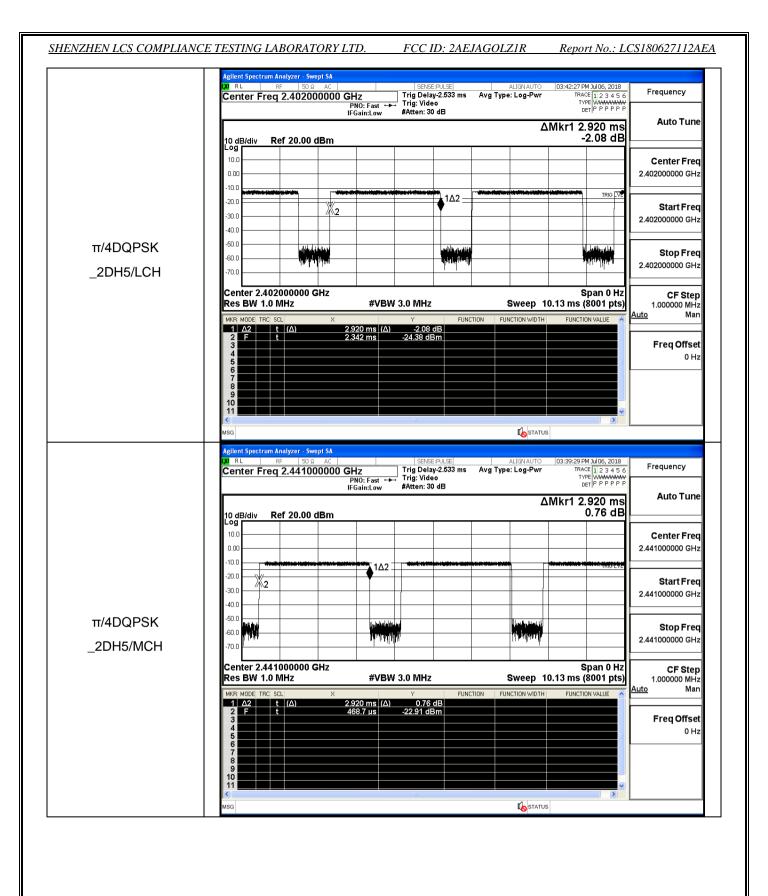
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

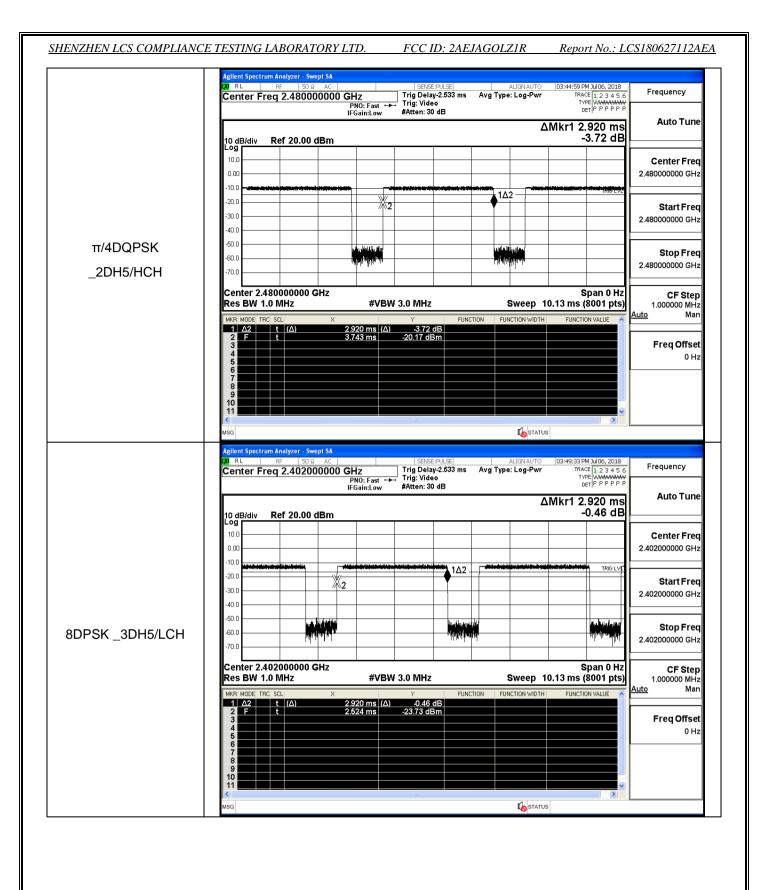
A.5 Dwell Time

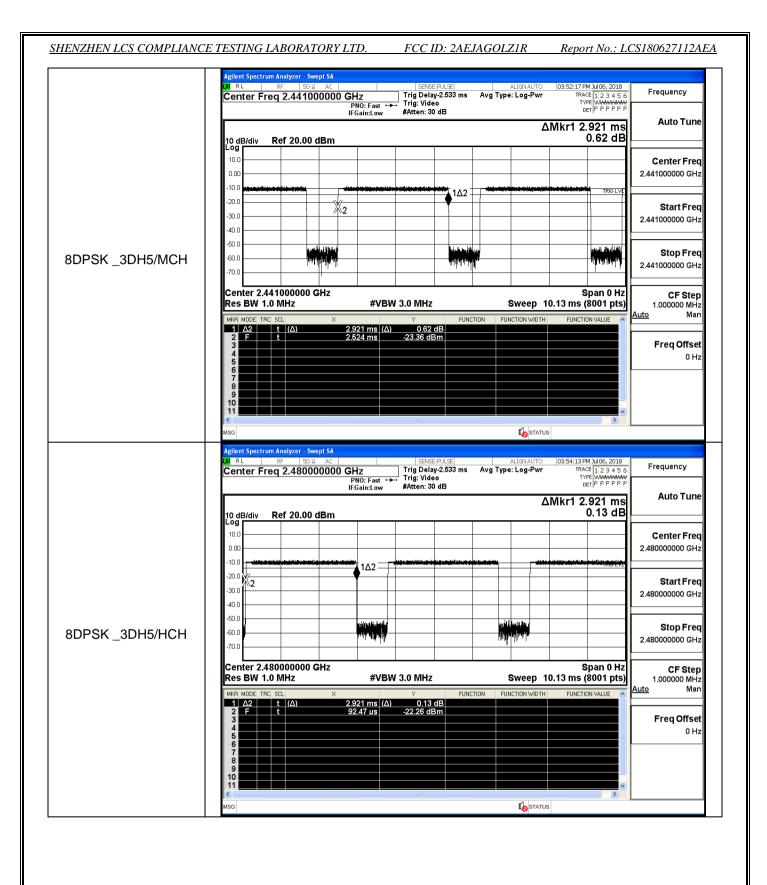
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.91	106.7	0.310	0.4	PASS
GFSK	DH5	MCH	2.91	106.7	0.310	0.4	PASS
	DH5	HCH	2.91	106.7	0.310	0.4	PASS
	2DH5	LCH	2.92	106.7	0.312	0.4	PASS
π/4DQPSK	2DH5	MCH	2.92	106.7	0.312	0.4	PASS
	2DH5	HCH	2.92	106.7	0.312	0.4	PASS
8DPSK	3DH5	LCH	2.92	106.7	0.312	0.4	PASS
	3DH5	MCH	2.92	106.7	0.312	0.4	PASS
	3DH5	HCH	2.92	106.7	0.312	0.4	PASS





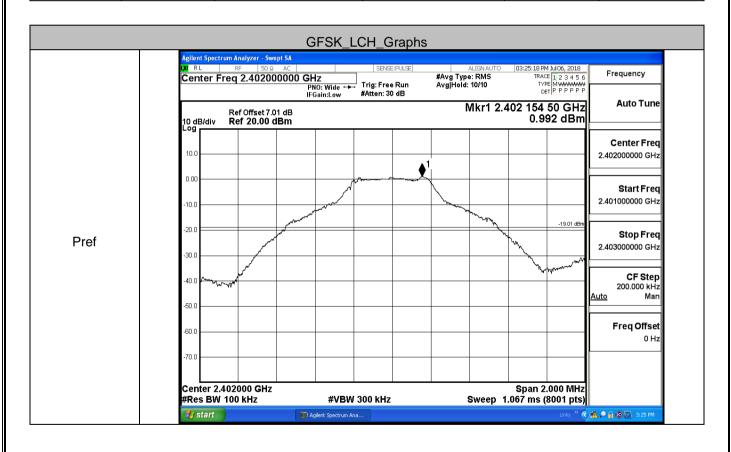


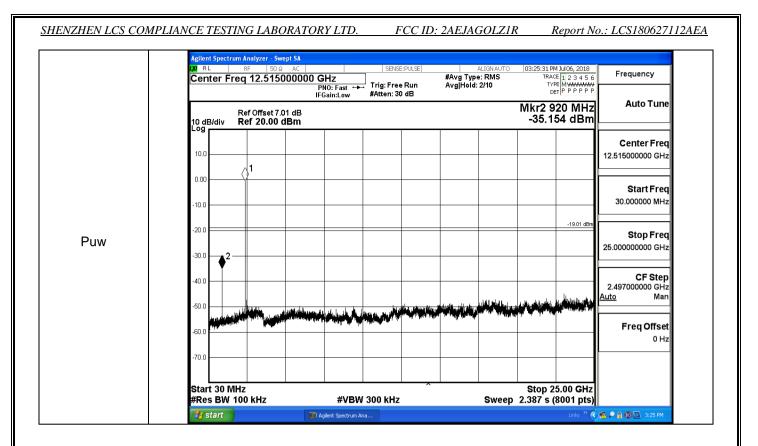


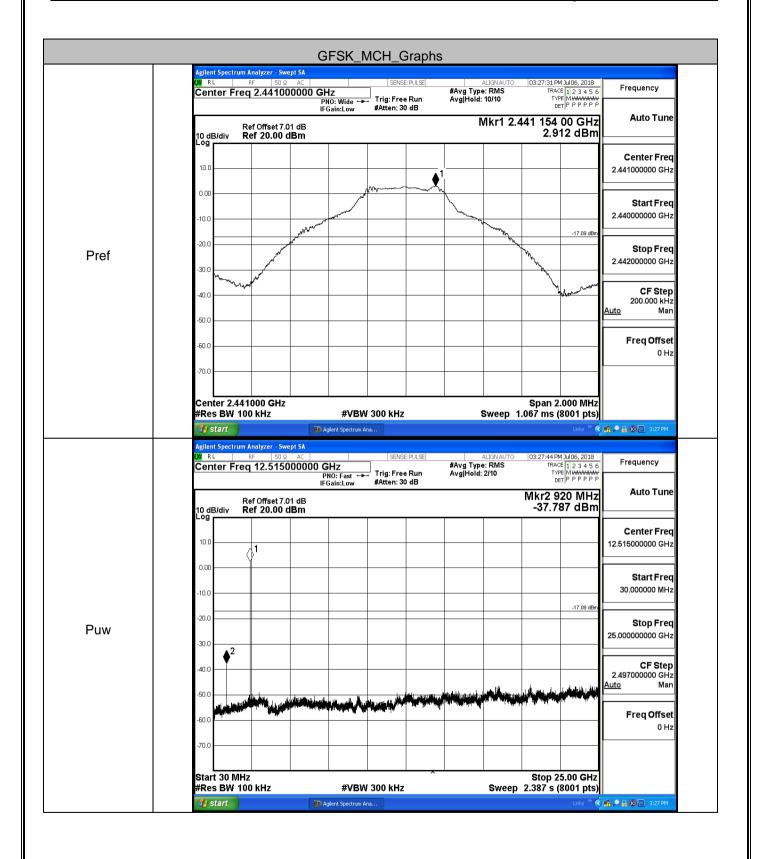


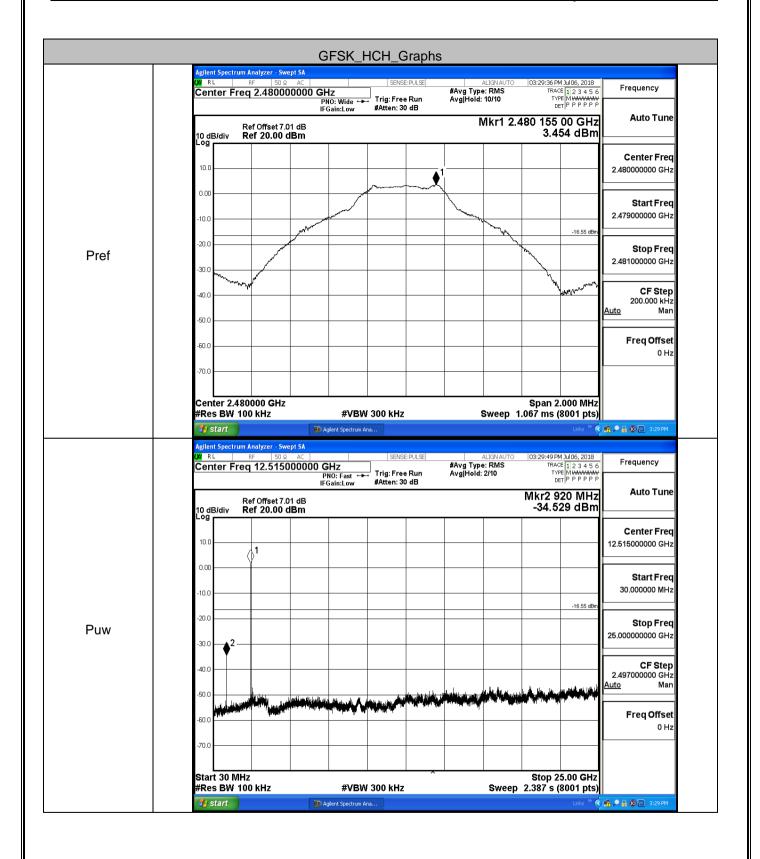
A.6 RF Conducted Spurious Emissions

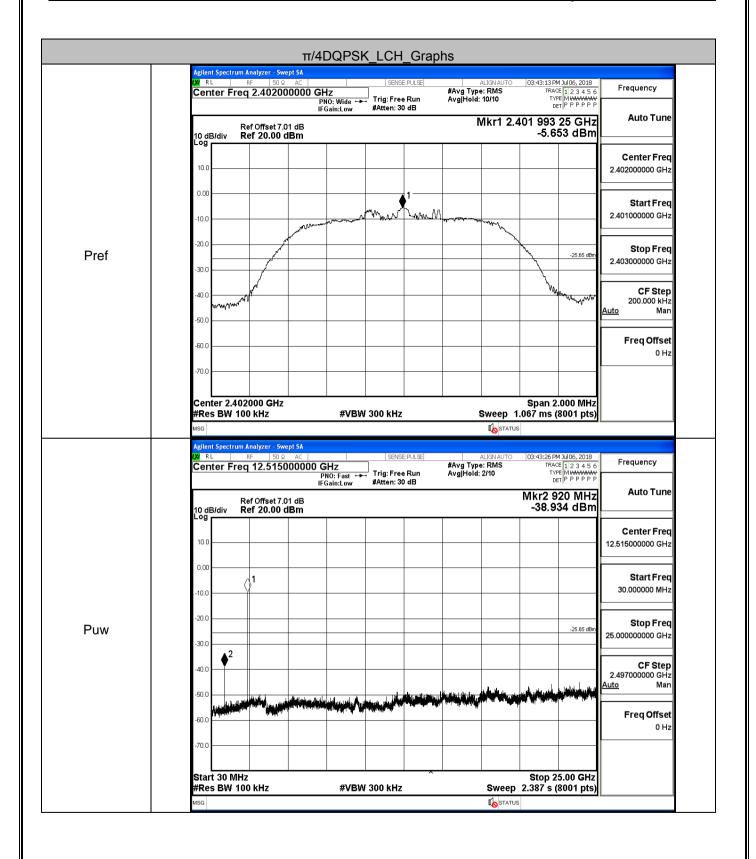
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.992	-35.154	-19.008	PASS
GFSK	MCH	2.912	-37.787	-17.088	PASS
	HCH	3.454	-34.529	-16.546	PASS
	LCH	-5.653	-38.934	-25.653	PASS
π/4DQPSK	MCH	-3.275	-39.819	-23.275	PASS
	HCH	-2.665	-40.284	-22.665	PASS
	LCH	-5.597	-39.771	-25.597	PASS
8DPSK	MCH	-3.028	-42.290	-23.028	PASS
	НСН	-2.572	-40.161	-22.572	PASS

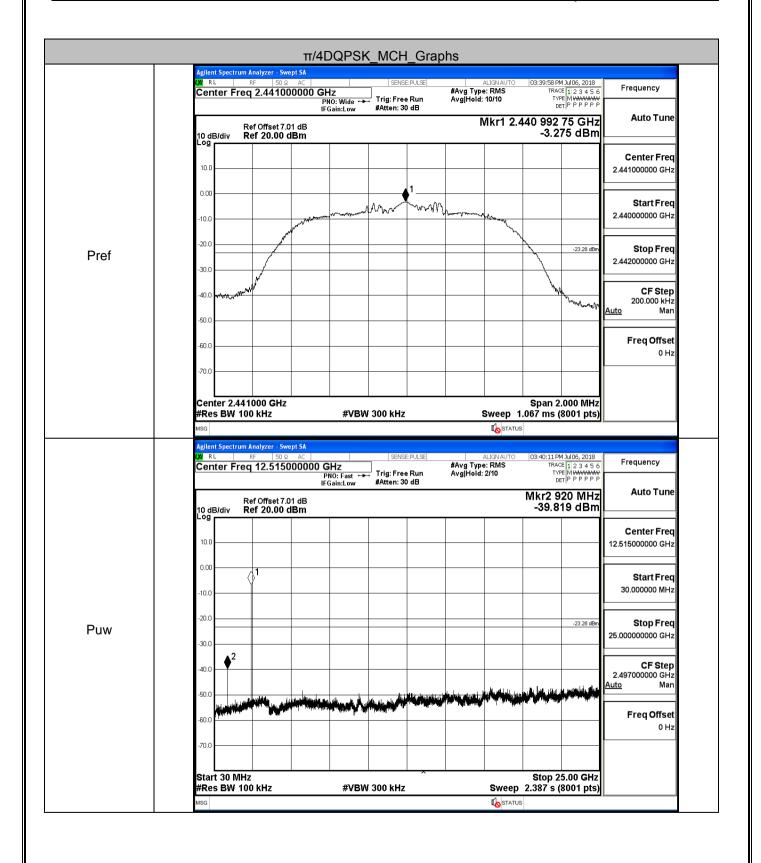


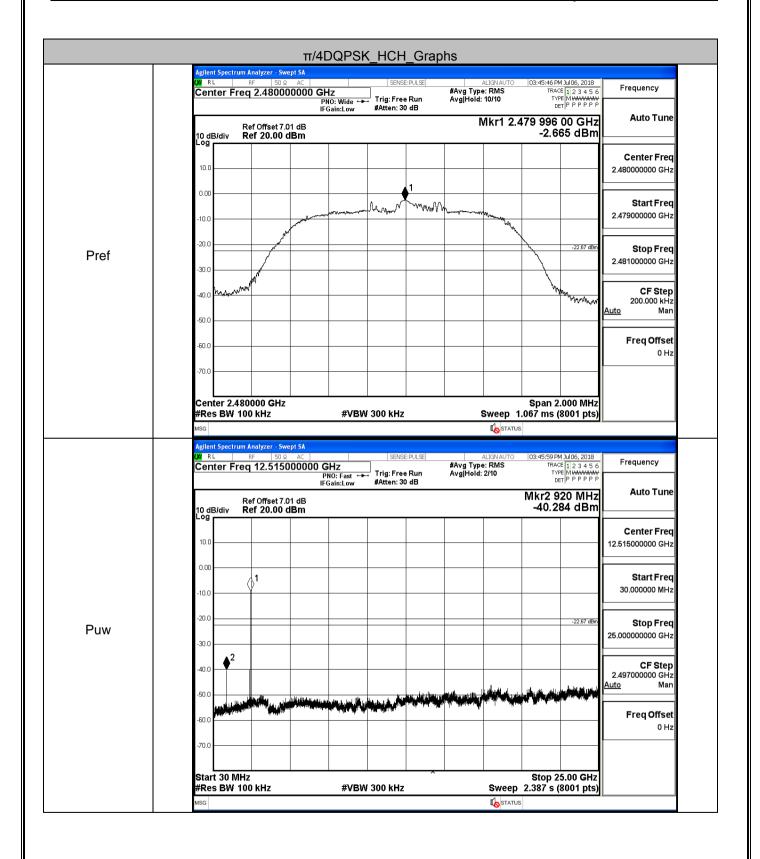


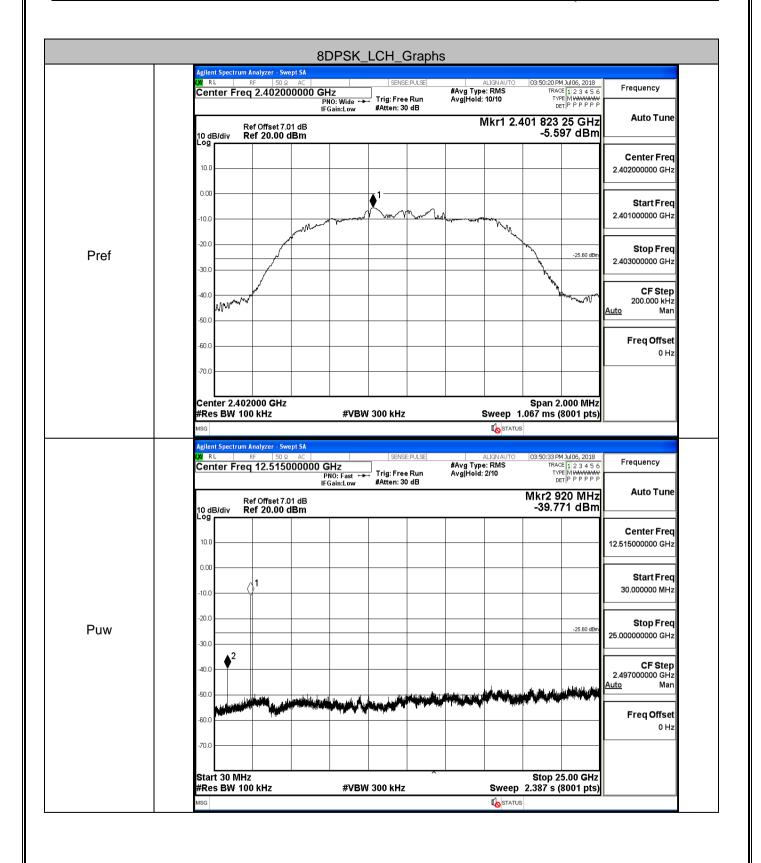


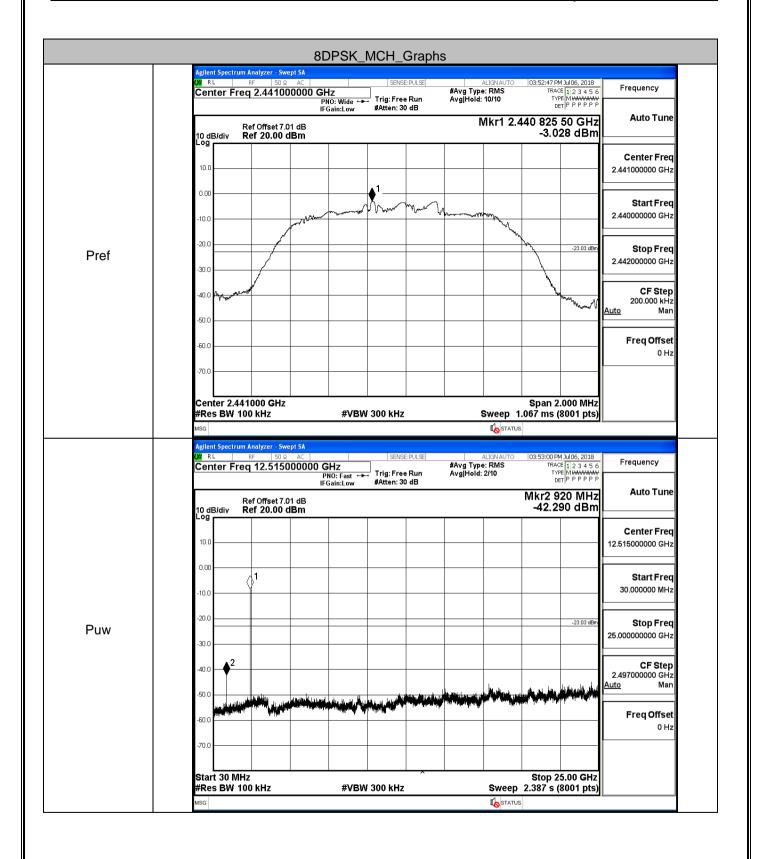


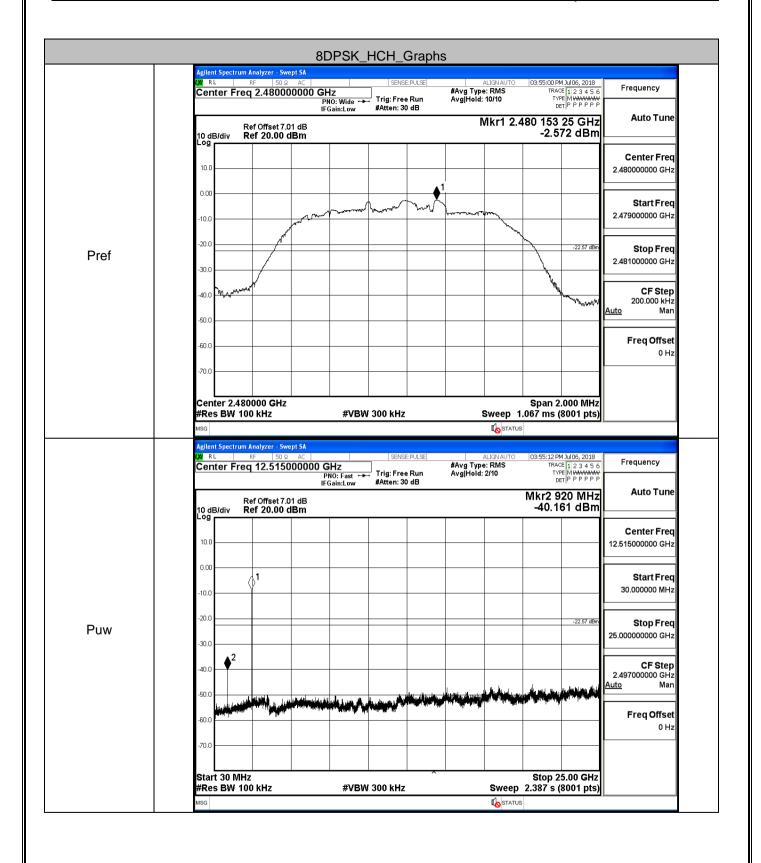






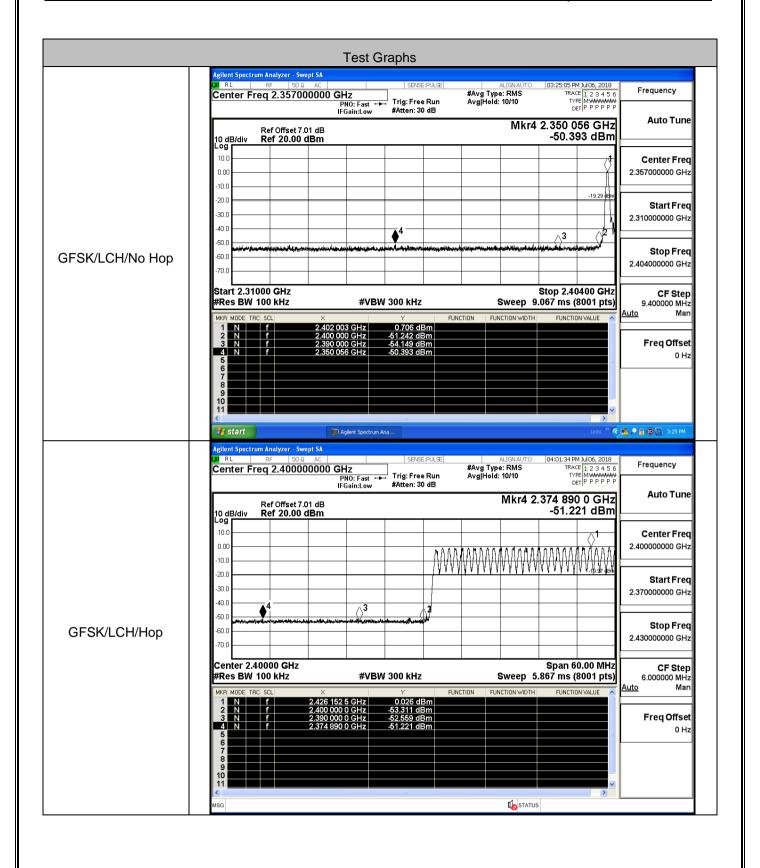


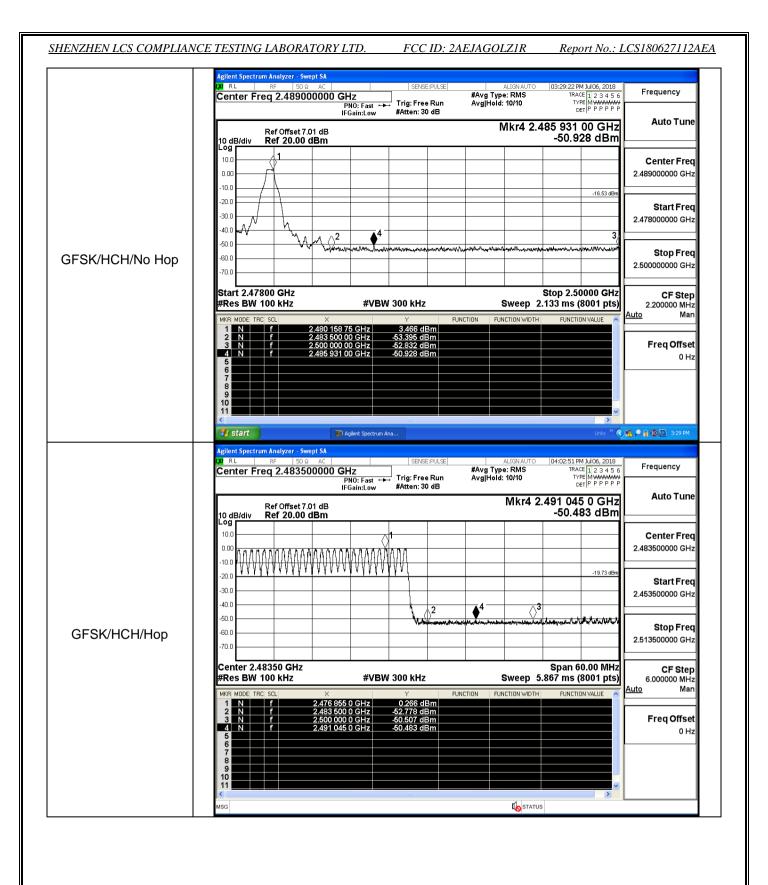


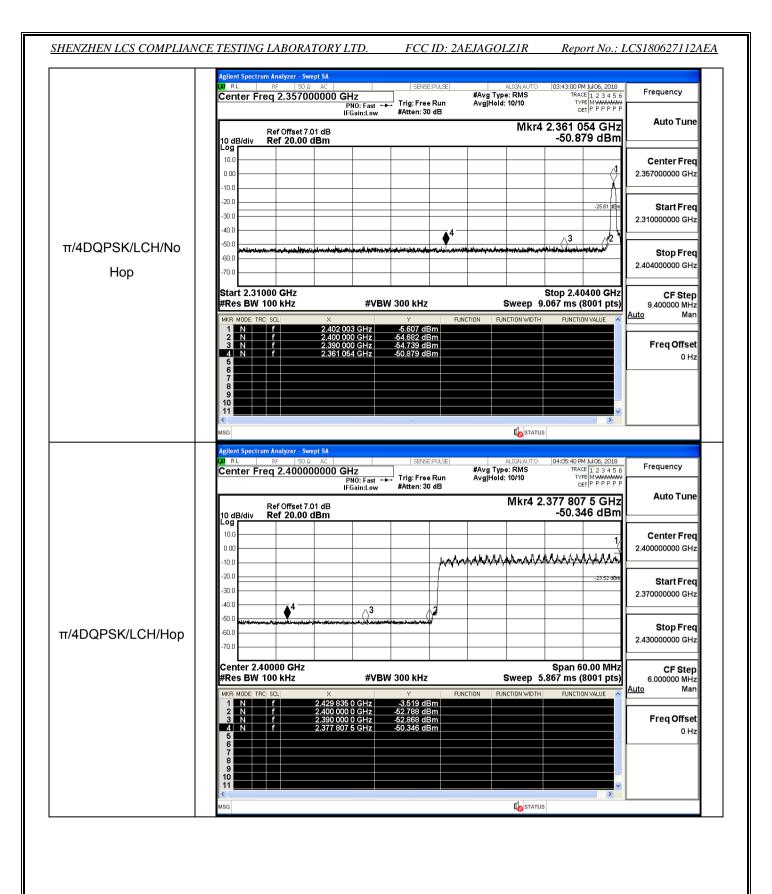


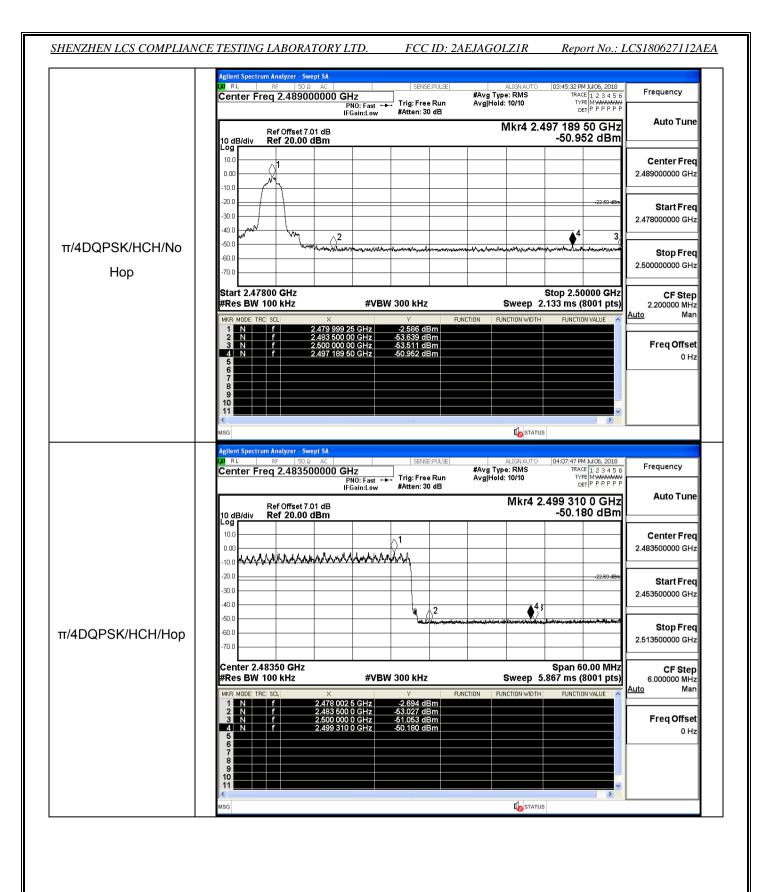
A.7 Band-edge for RF Conducted Emissions

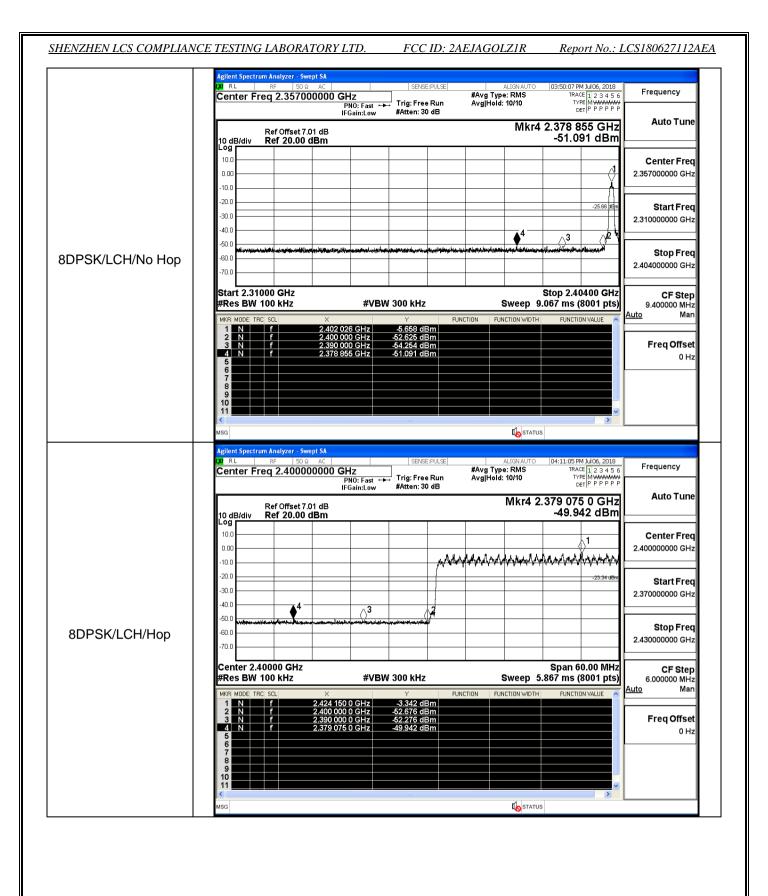
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict				
		0.400	0.706	Off	-50.393	-19.29	PASS				
2-21/	LCH	2402	0.026	On	-51.221	-19.97	PASS				
GFSK	нсн			3.466	Off	-50.928	-16.53	PASS			
		2480	0.266	On	-50.483	-19.73	PASS				
	LCH						-5.607	Off	-50.879	-25.61	PASS
		2402	-3.519	On	-50.346	-23.52	PASS				
π/4DQPSK	нсн		-2.586	Off	-50.952	-22.59	PASS				
		2480	-2.694	On	-50.180	-22.69	PASS				
			-5.658	Off	-51.091	-25.66	PASS				
	LCH	2402	-3.342	On	-49.942	-23.34	PASS				
8DPSK			-2.350	Off	-51.493	-22.35	PASS				
	HCH	2480	-2.432	On	-50.131	-22.43	PASS				

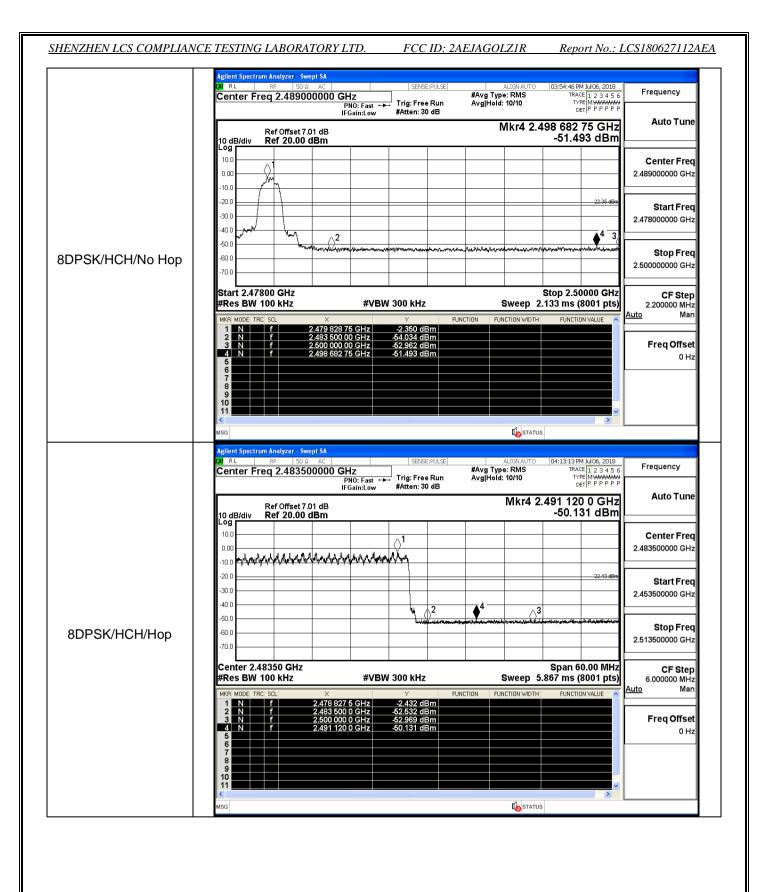






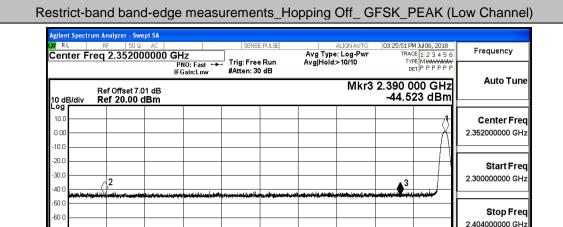






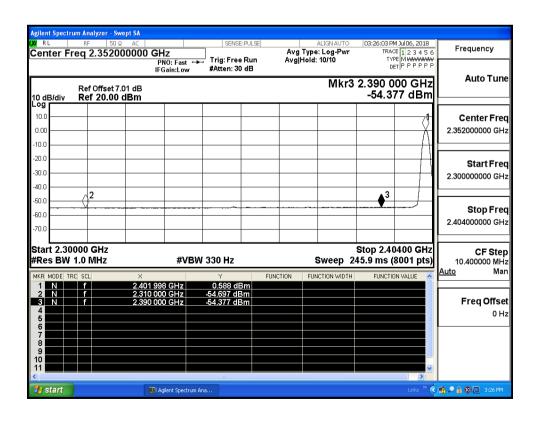
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.04	2.0	0	53.22	PEAK	74	PASS
	Off	2310.0	-54.70	2.0	0	42.56	AV	54	PASS
	Off	2390.0	-44.52	2.0	0	52.73	PEAK	74	PASS
	Off	2390.0	-54.38	2.0	0	42.88	AV	54	PASS
GFSK	Off	2483.5	-43.69	2.0	0	53.57	PEAK	74	PASS
	Off	2483.5	-52.38	2.0	0	44.88	AV	54	PASS
	Off	2500.0	-44.42	2.0	0	52.84	PEAK	74	PASS
	Off	2500.0	-53.95	2.0	0	43.31	AV	54	PASS
	Off	2310.0	-44.31	2.0	0	52.95	PEAK	74	PASS
	Off	2310.0	-54.74	2.0	0	42.52	AV	54	PASS
	Off	2390.0	-45.44	2.0	0	51.82	PEAK	74	PASS
	Off	2390.0	-54.48	2.0	0	42.77	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.63	2.0	0	53.63	PEAK	74	PASS
	Off	2483.5	-54.00	2.0	0	43.26	AV	54	PASS
	Off	2500.0	-42.82	2.0	0	54.44	PEAK	74	PASS
	Off	2500.0	-54.21	2.0	0	43.05	AV	54	PASS
	Off	2310.0	-43.70	2.0	0	53.56	PEAK	74	PASS
	Off	2310.0	-54.65	2.0	0	42.61	AV	54	PASS
	Off	2390.0	-44.45	2.0	0	52.81	PEAK	74	PASS
	Off	2390.0	-54.53	2.0	0	42.72	AV	54	PASS
8DPSK	Off	2483.5	-44.16	2.0	0	53.10	PEAK	74	PASS
	Off	2483.5	-53.98	2.0	0	43.28	AV	54	PASS
	Off	2500.0	-43.63	2.0	0	53.62	PEAK	74	PASS
	Off	2500.0	-54.12	2.0	0	43.14	AV	54	PASS

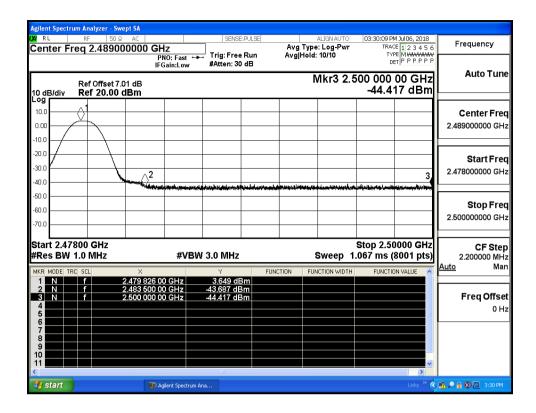




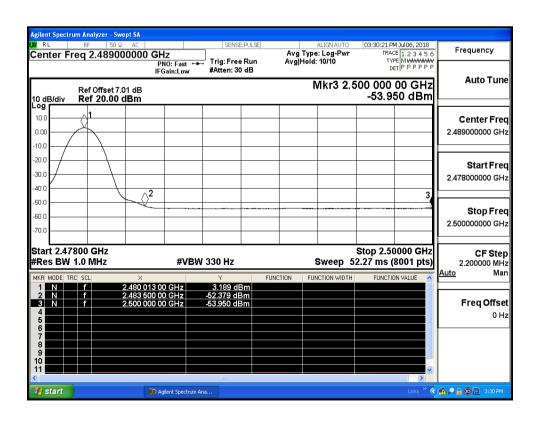
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



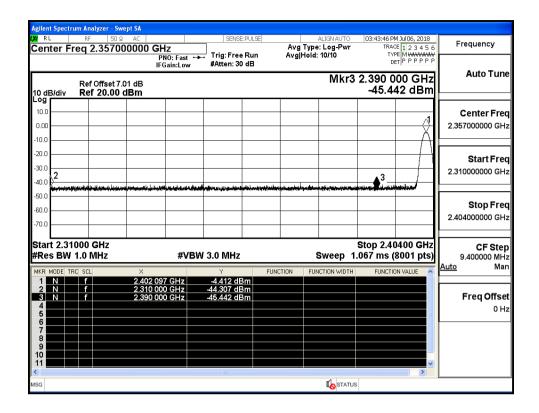
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



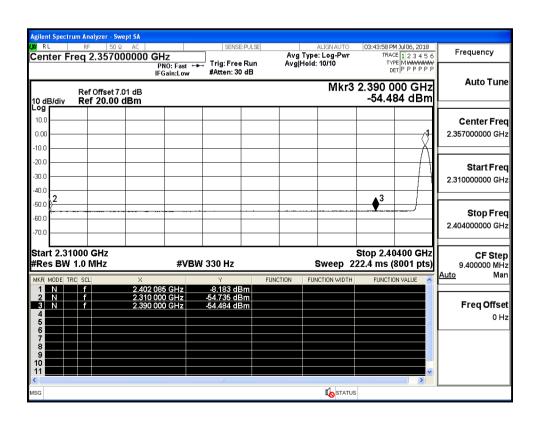
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



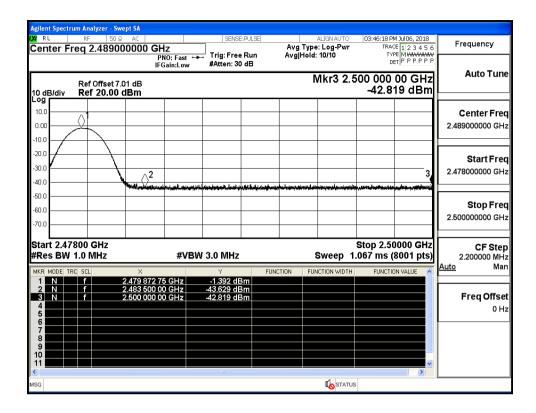
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



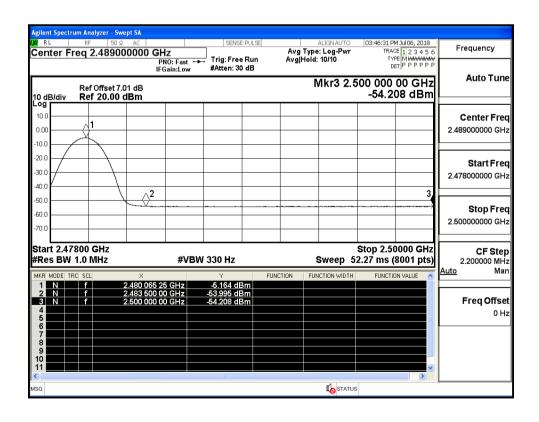
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



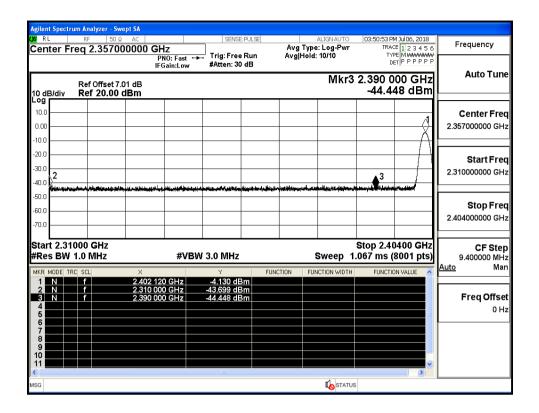
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



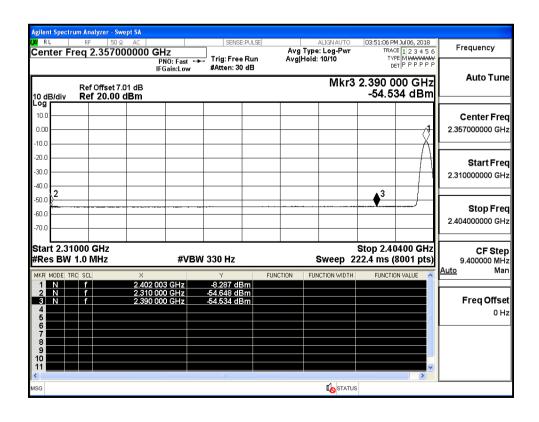
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



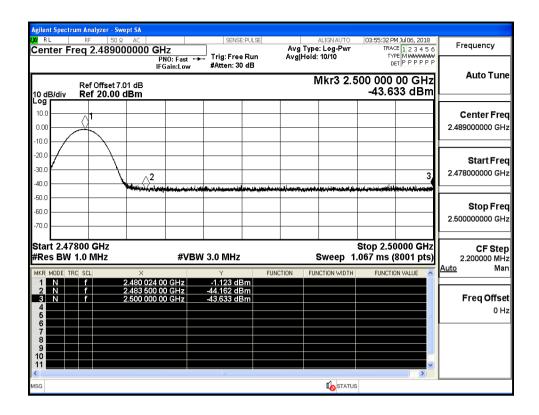
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

