Appendix A

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

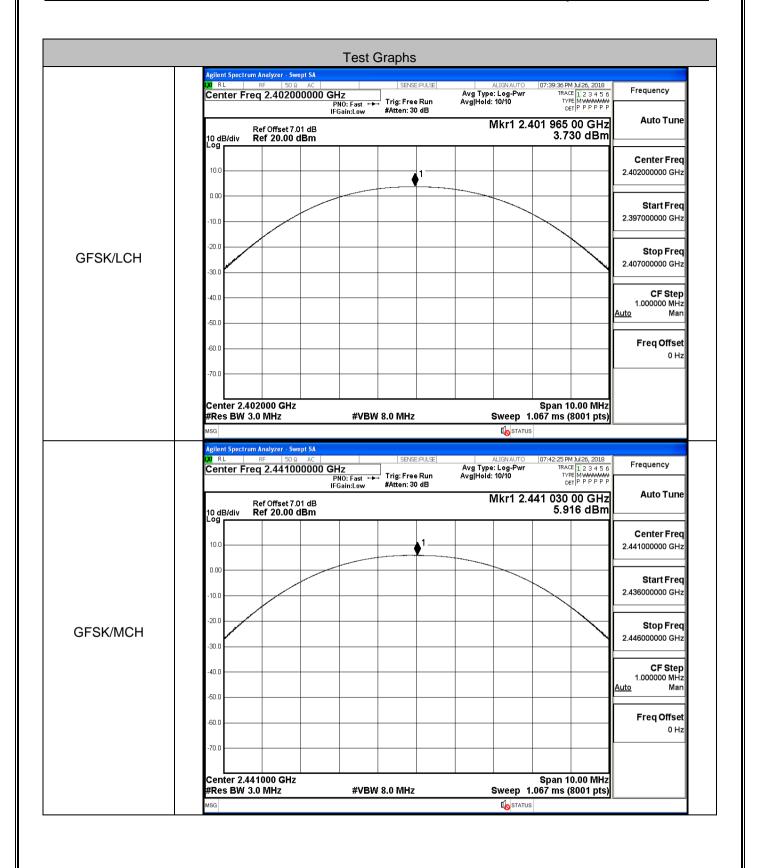
Product Name: Android TV BOX
Trade Mark: MECOOL
Test Model: KM8

Environmental Conditions

Temperature:	23.7 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Wilson.Hong
Supervised by:	Jayden.Zhuo

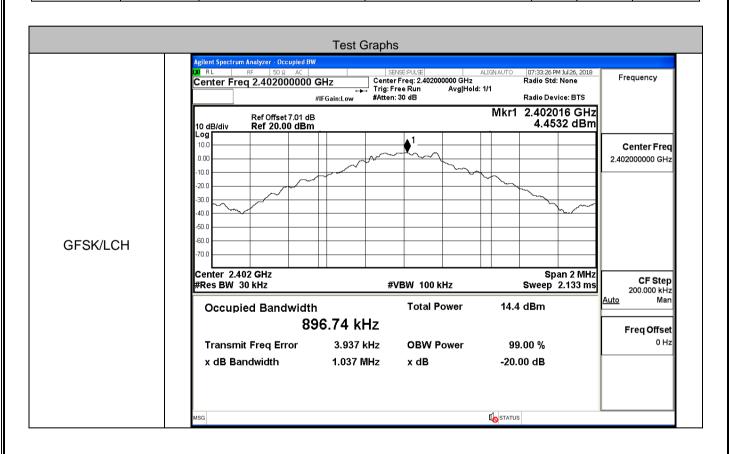
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	3.730	21	PASS
GFSK	MCH	5.916	21	PASS
	HCH	5.794	21	PASS
	LCH	3.100	21	PASS
π/4DQPSK	MCH	5.190	21	PASS
	НСН	4.888	21	PASS
	LCH	3.235	21	PASS
8DPSK	MCH	5.267	21	PASS
	HCH	5.003	21	PASS



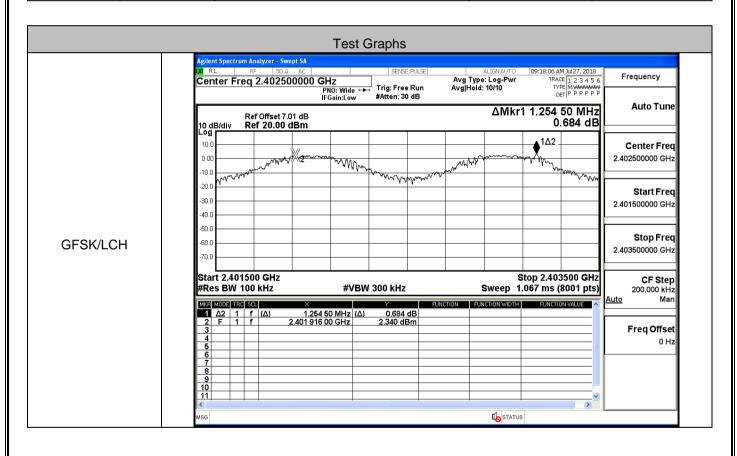
A.2 99% and 20dB Bandwidth

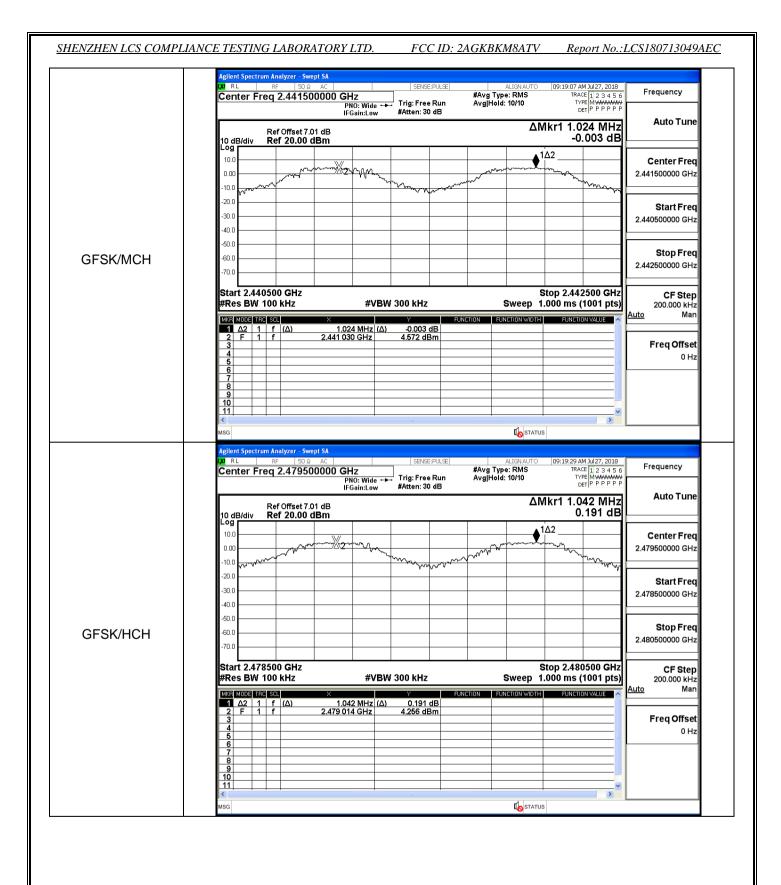
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.89674	1.037	Not Specified	PASS
GFSK	MCH	0.89602	1.039	Not Specified	PASS
	HCH	0.90360	1.043	Not Specified	PASS
	LCH	1.1764	1.292	Not Specified	PASS
π/4DQPSK	MCH	1.1747	1.291	Not Specified	PASS
	HCH	1.1697	1.289	Not Specified	PASS
	LCH	1.1852	1.301	Not Specified	PASS
8DPSK	MCH	1.1825	1.293	Not Specified	PASS
	HCH	1.1765	1.291	Not Specified	PASS

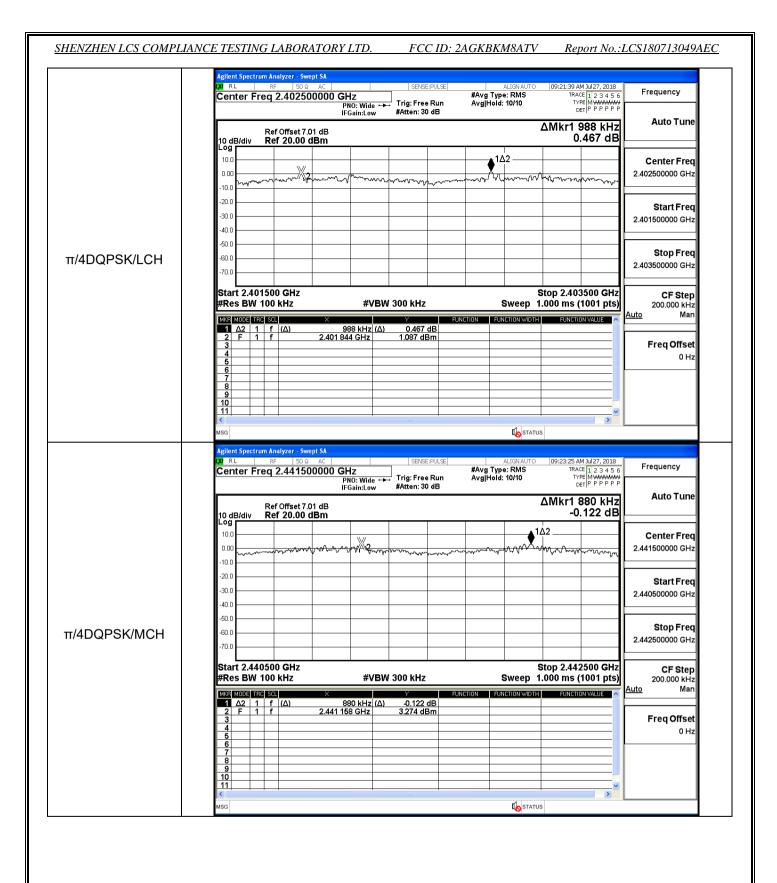


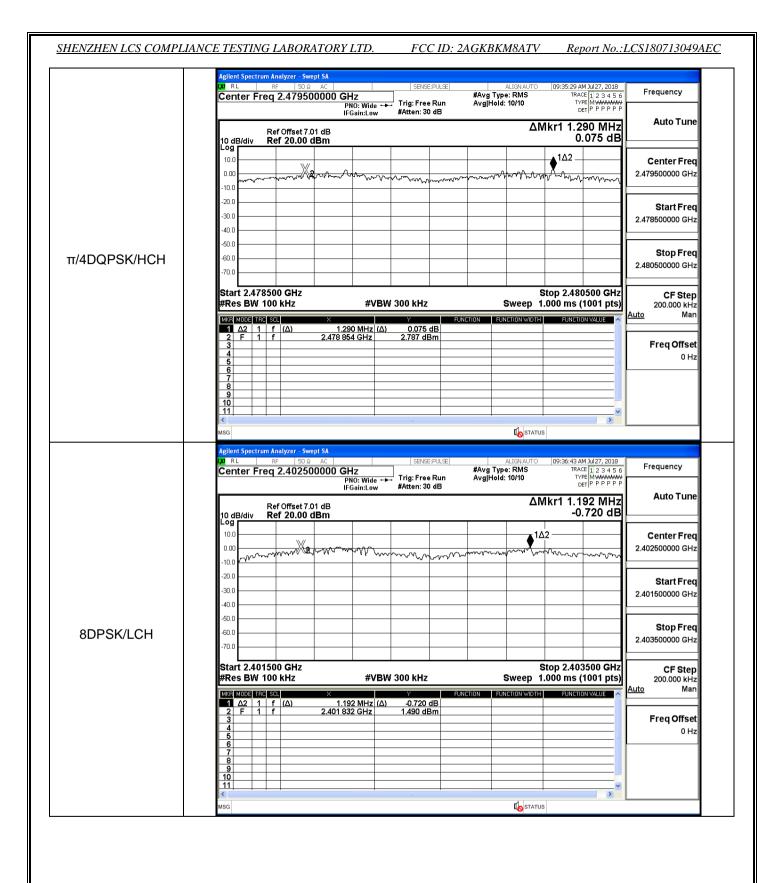
A.3 Carrier Frequency Separation

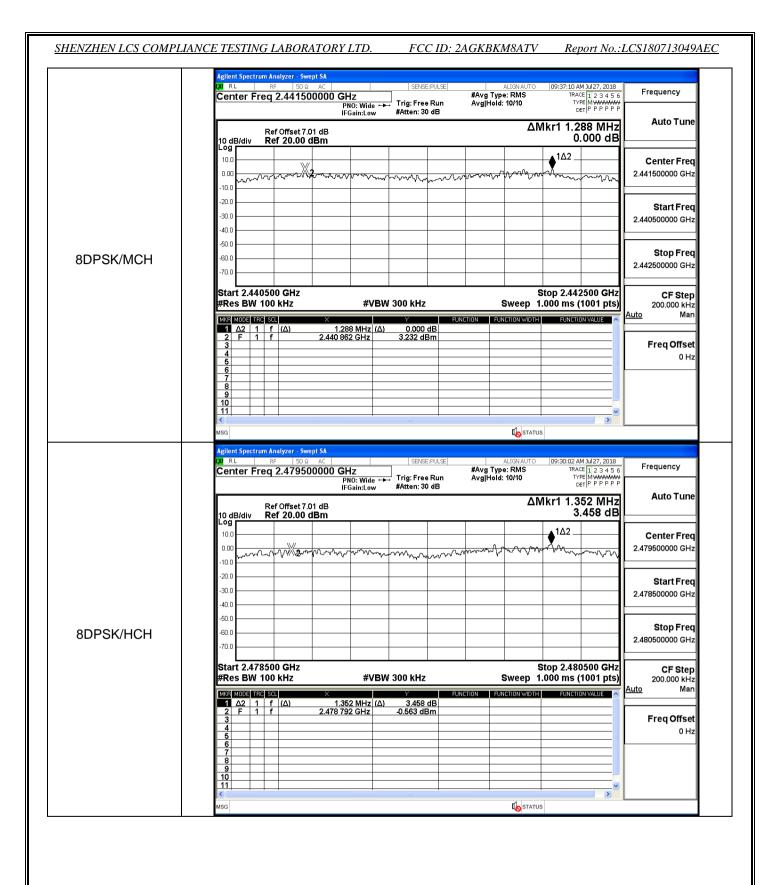
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.255	0.695	PASS
GFSK	MCH	1.024	0.695	PASS
	HCH	1.042	0.695	PASS
	LCH	0.988	0.861	PASS
π/4DQPSK	MCH	0.880	0.861	PASS
	НСН	1.290	0.861	PASS
	LCH	1.192	0.867	PASS
8DPSK	PSK MCH 1.288		0.867	PASS
	HCH	1.352	0.867	PASS





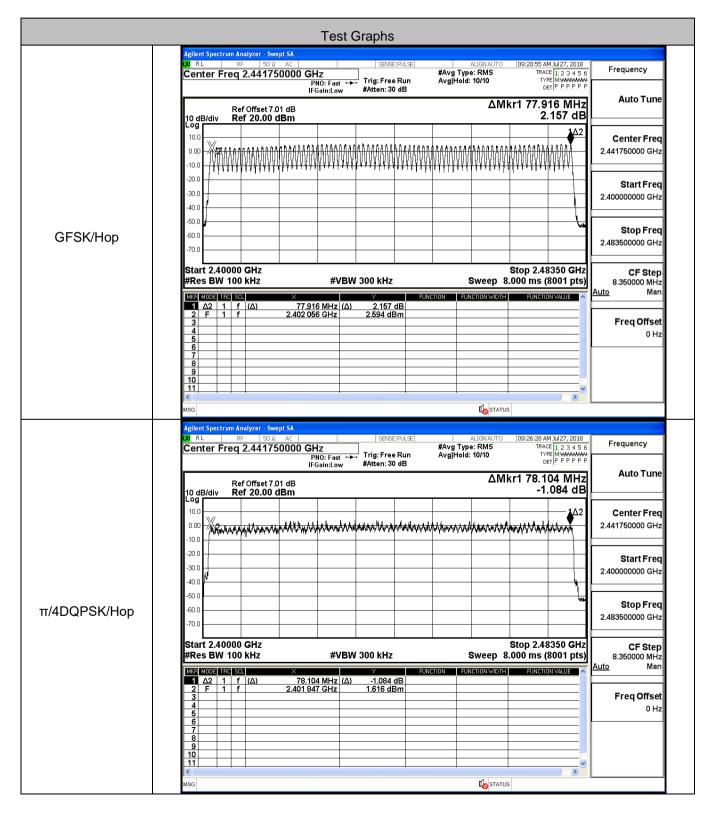


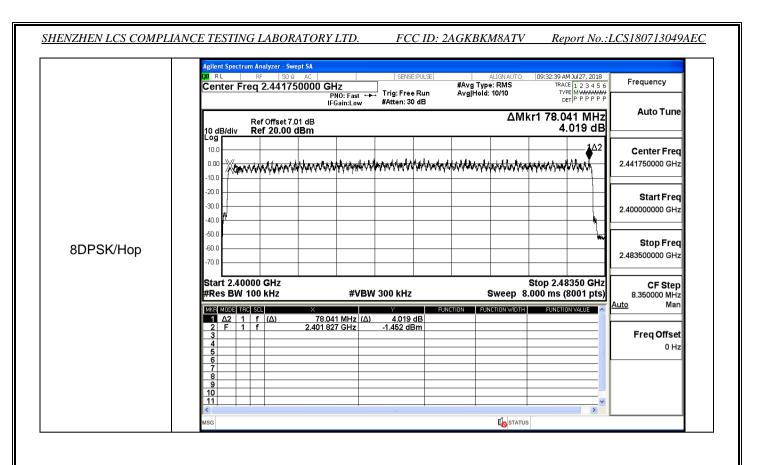




A.4 Hopping Channel Number

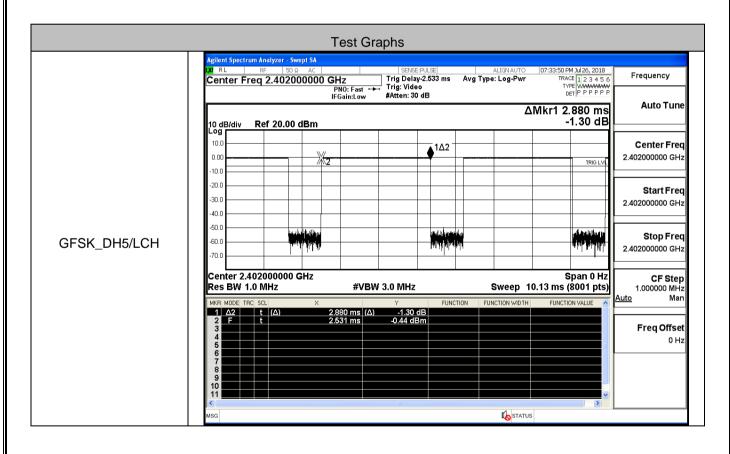
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

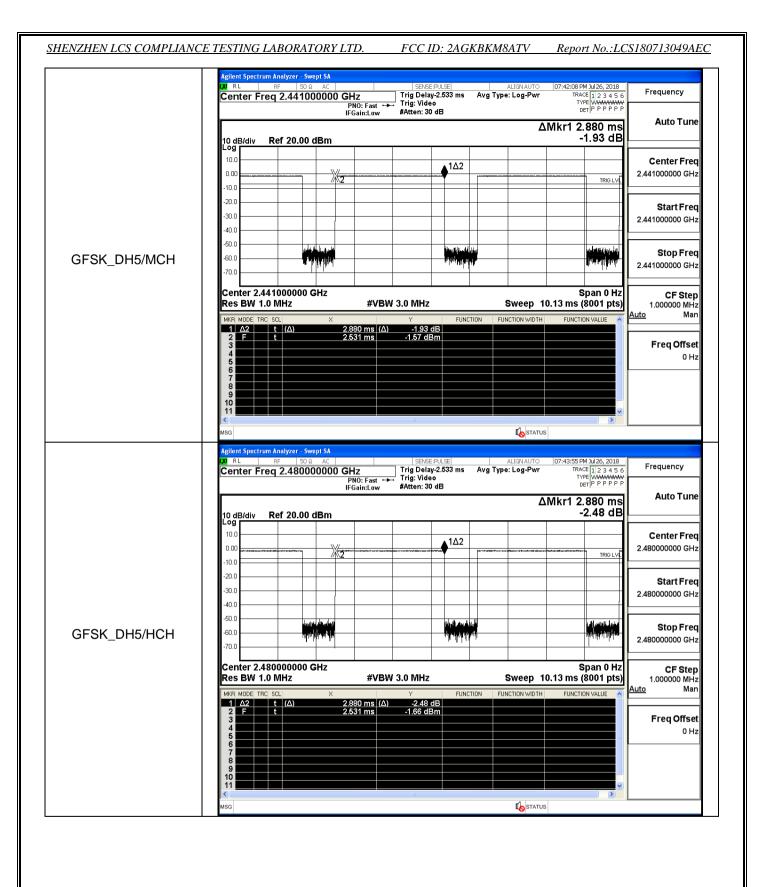


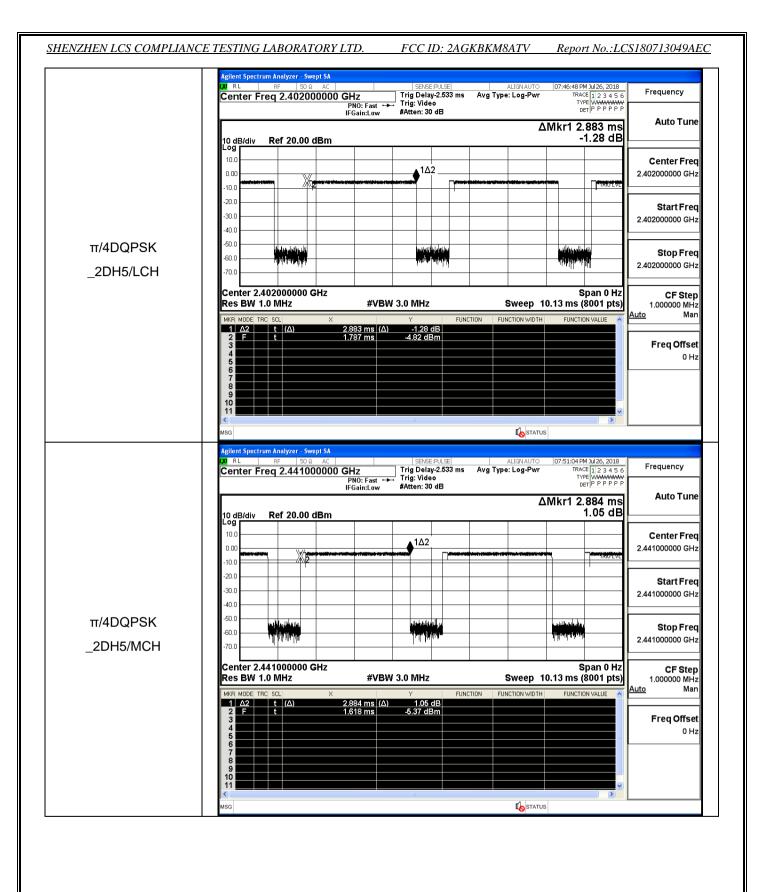


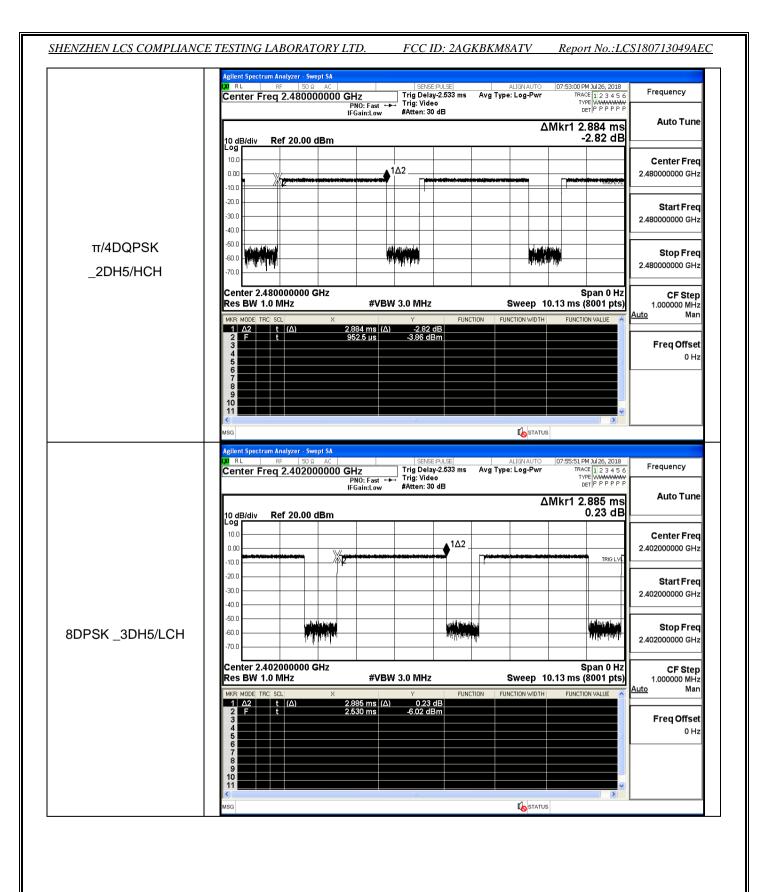
A.5 Dwell Time

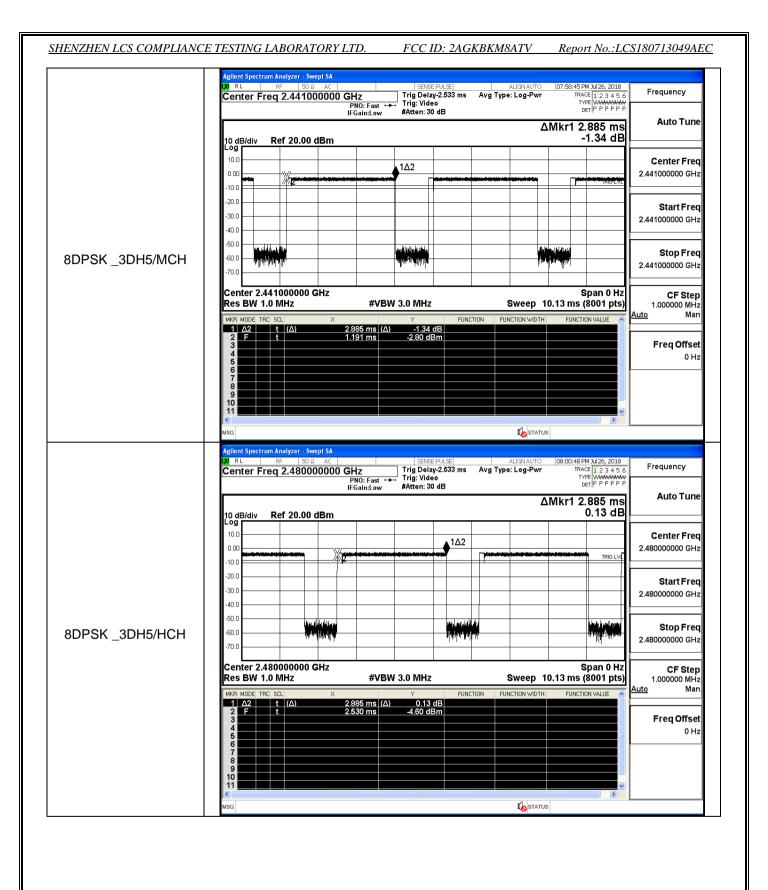
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5 HCH		2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





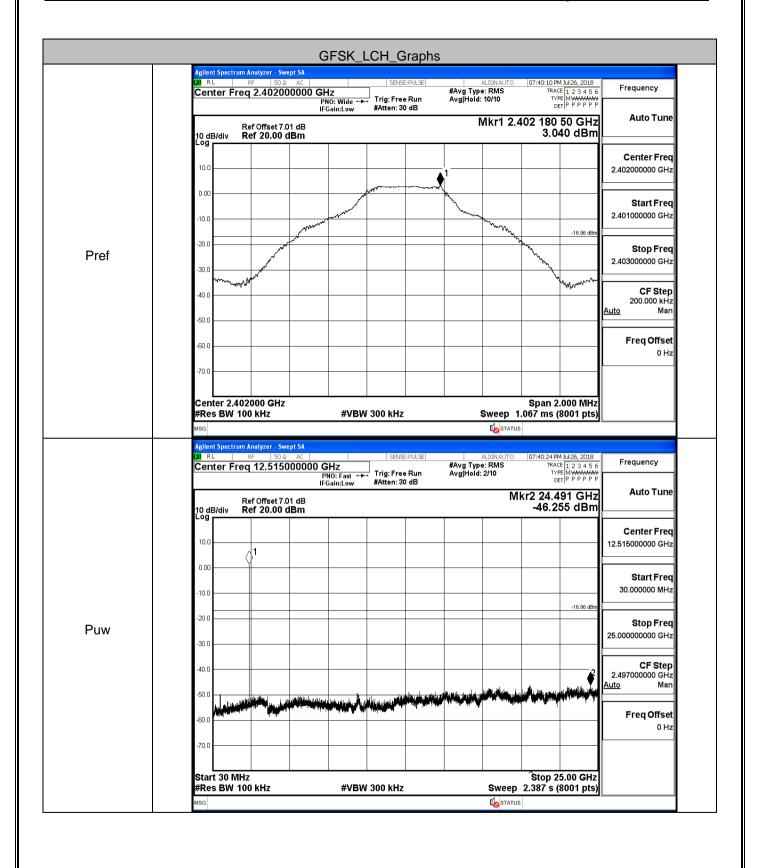


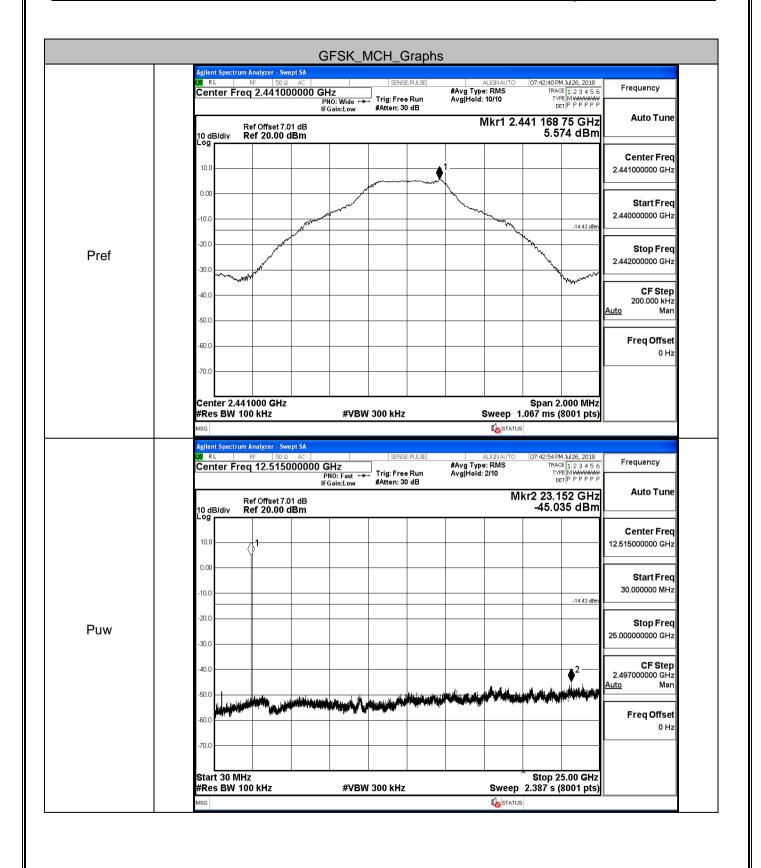


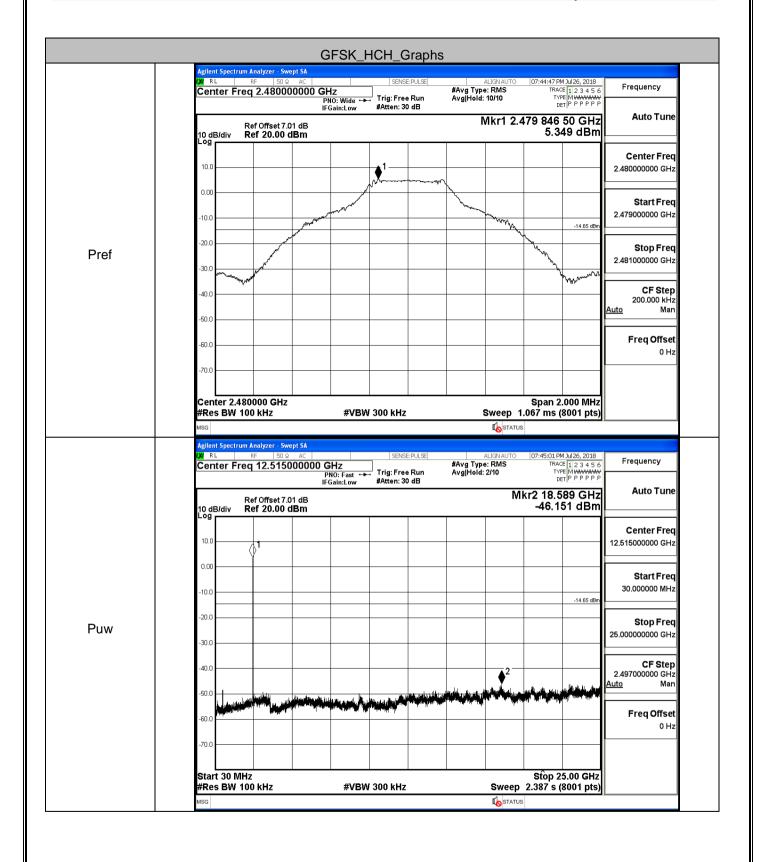


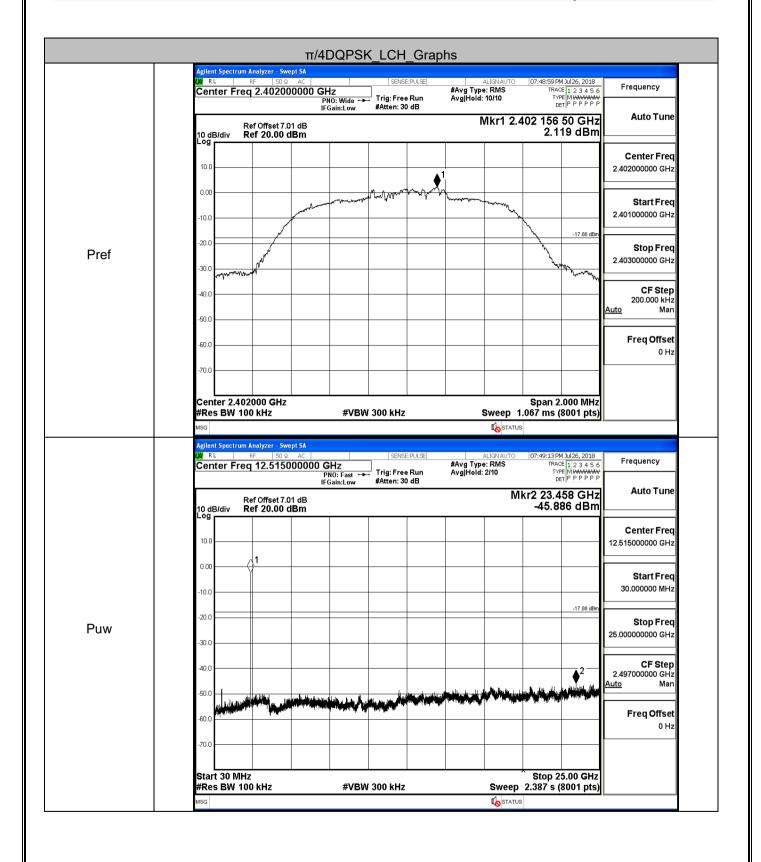
A.6 RF Conducted Spurious Emissions

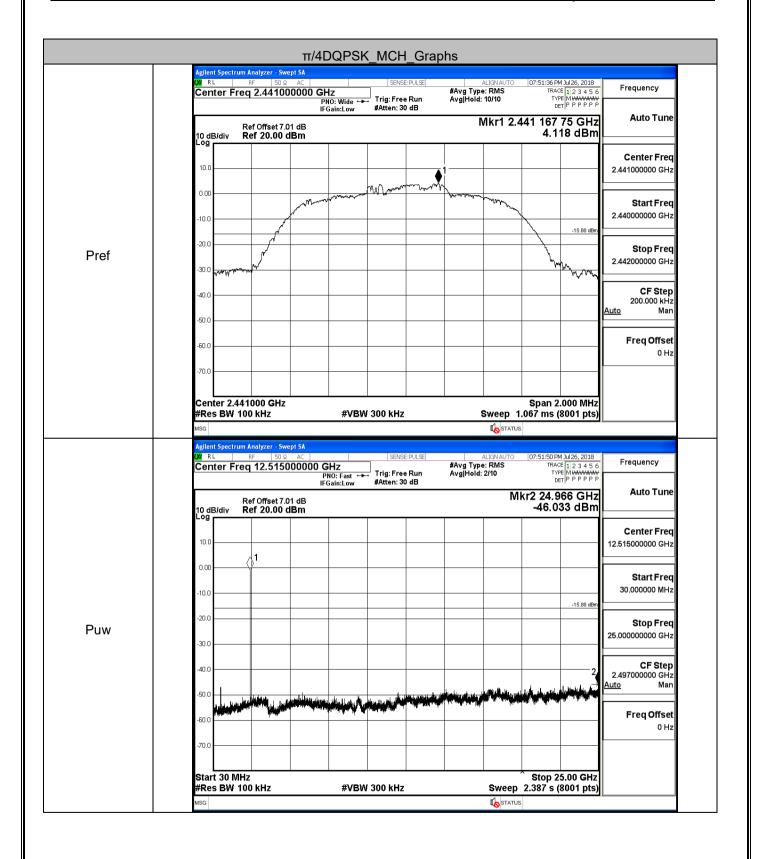
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	3.040	-46.255	-16.960	PASS
GFSK	MCH	5.574	-45.035	-14.426	PASS
	HCH	5.349	-46.151	-14.651	PASS
	LCH	2.119	-45.886	-17.881	PASS
π/4DQPSK	MCH	4.118	-46.033	-15.882	PASS
	HCH	3.800	-46.053	-16.200	PASS
8DPSK	LCH	2.194	-45.543	-17.806	PASS
	MCH	4.252	-45.833	-15.748	PASS
	НСН	3.769	-45.529	-16.231	PASS

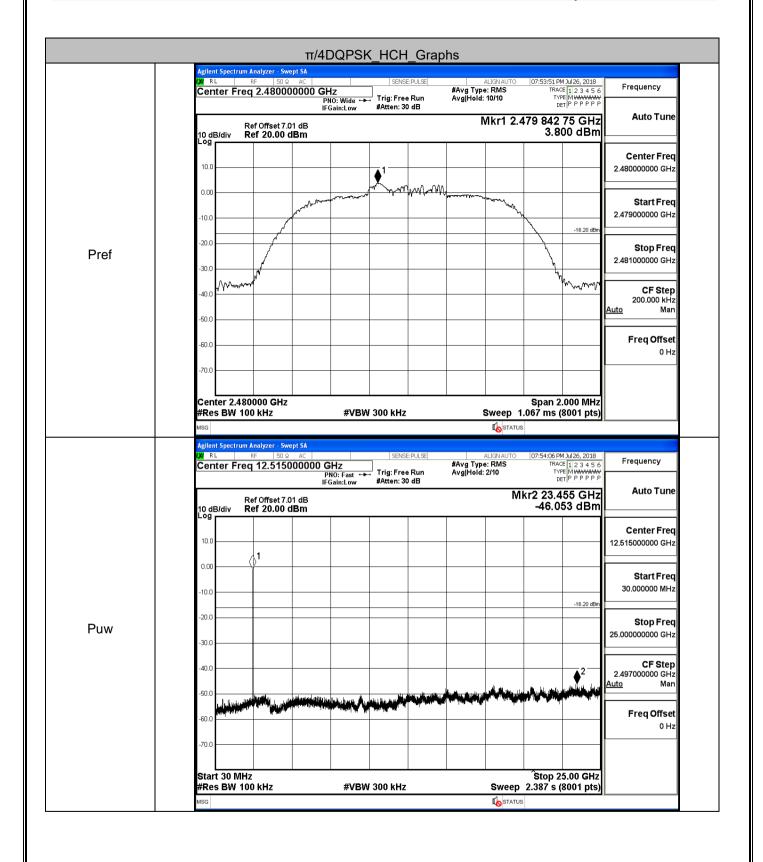


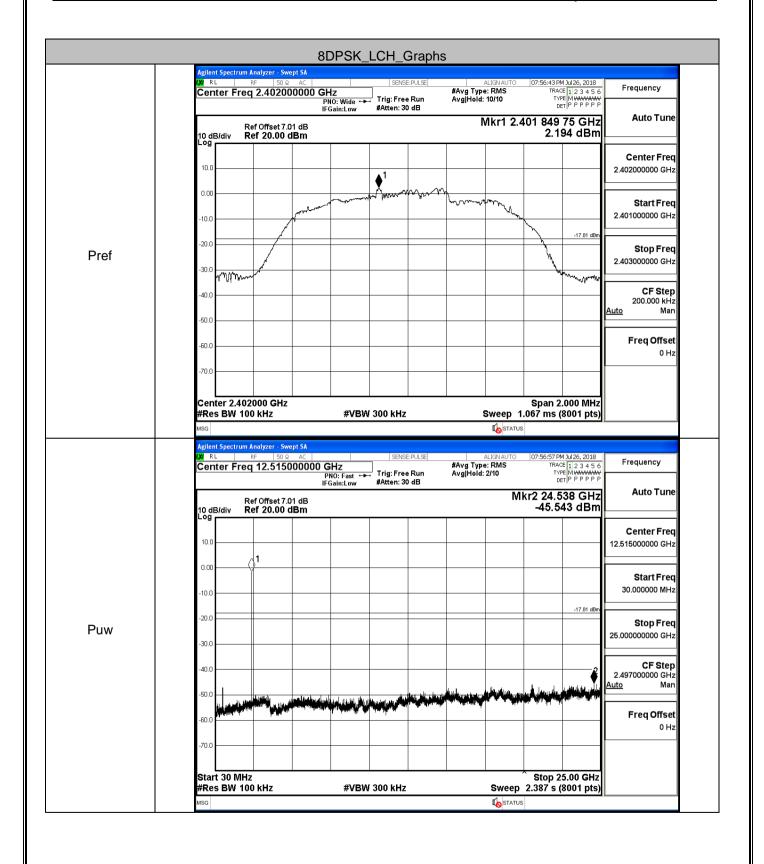


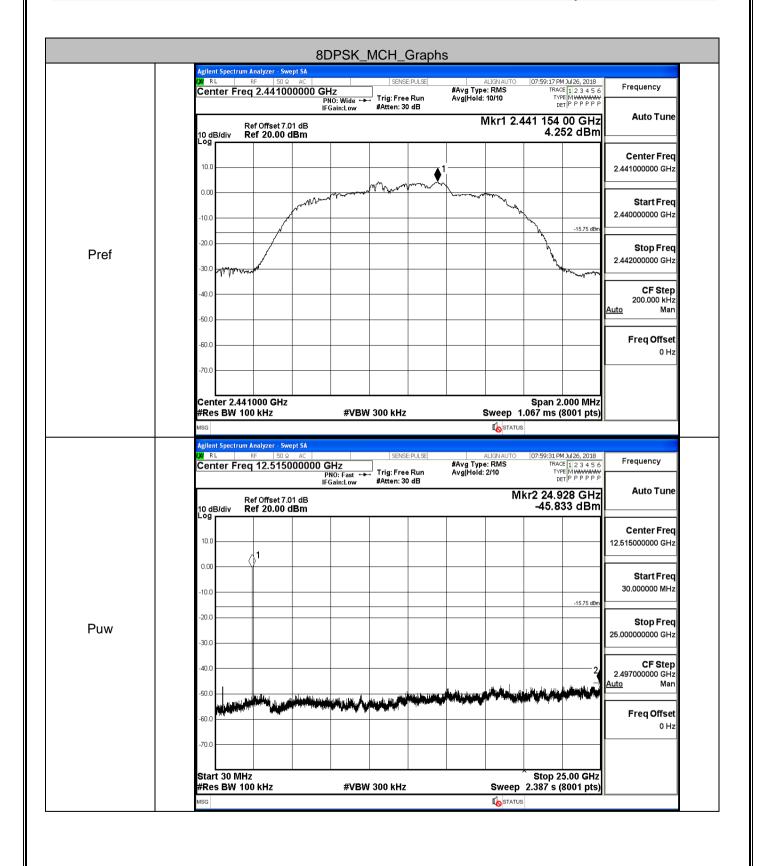


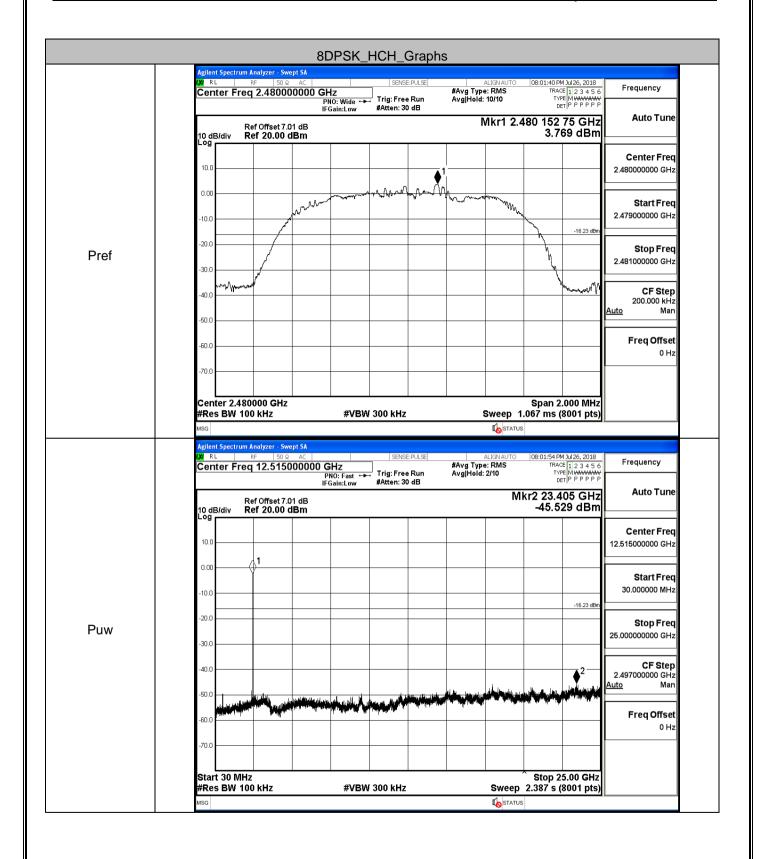






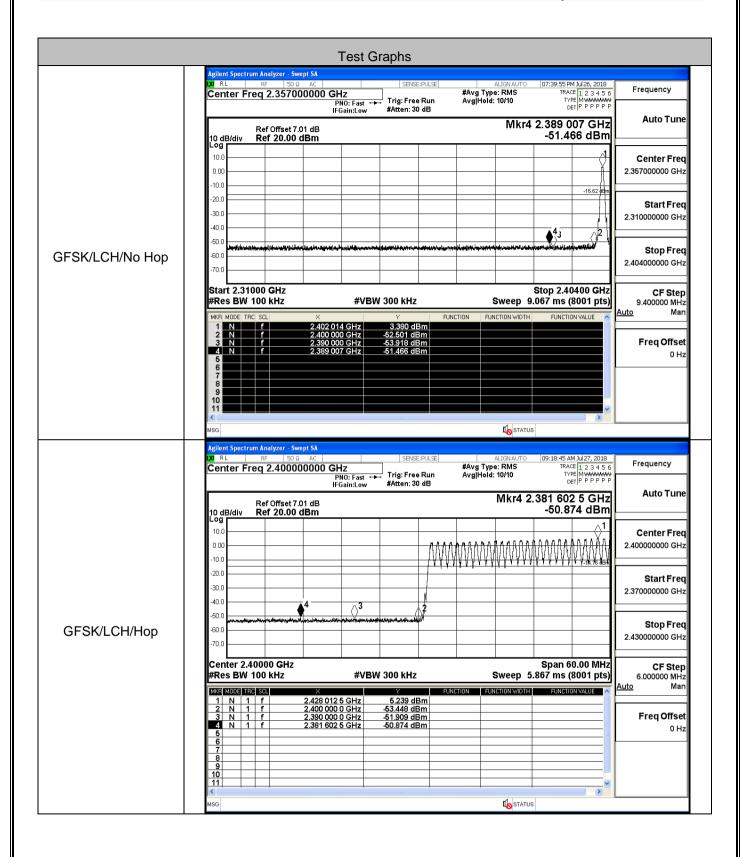


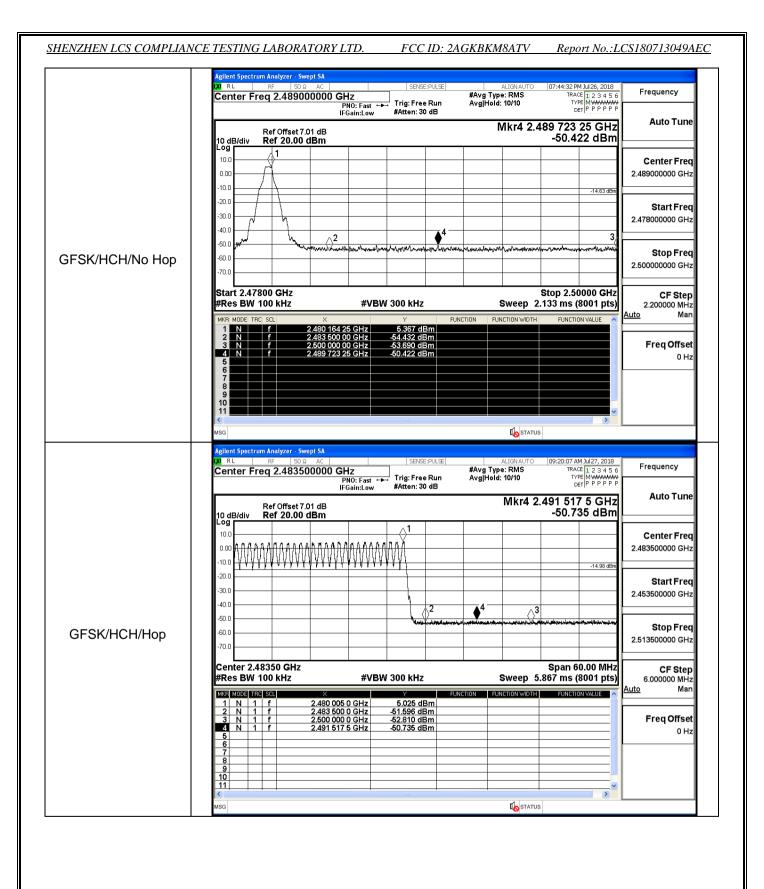


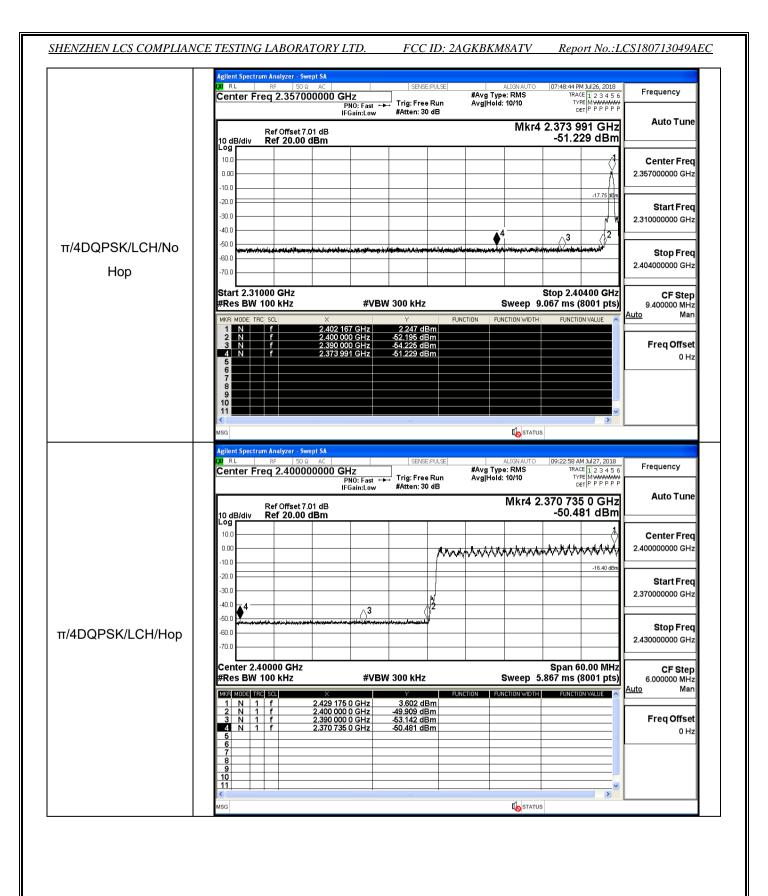


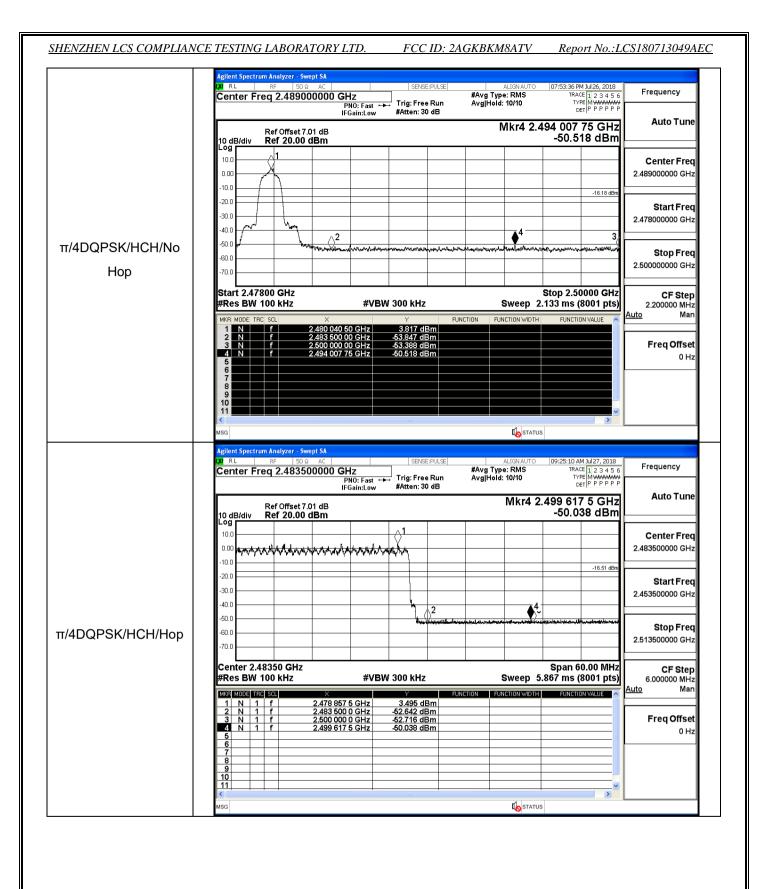
A.7 Band-edge for RF Conducted Emissions

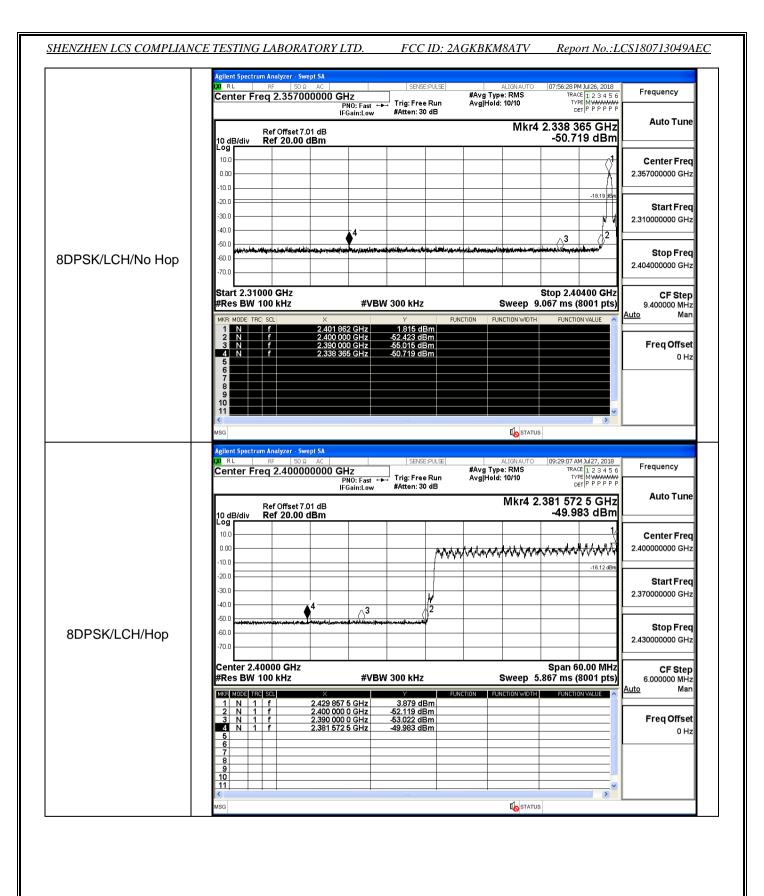
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			3.380	Off	-51.466	-16.62	PASS	
2-21/	LCH	2402	5.239	On	-50.874	-14.76	PASS	
GFSK	нсн	2480	5.367	Off	-50.422	-14.63	PASS	
			5.025	On	-50.735	-14.98	PASS	
	LCH			2.247	Off	-51.229	-17.75	PASS
		2402	3.602	On	-50.481	-16.4	PASS	
π/4DQPSK	нсн			3.817	Off	-50.518	-16.18	PASS
		HCH 2480	3.495	On	-50.038	-16.51	PASS	
		2402	1.815	Off	-50.719	-18.19	PASS	
8DPSK	LCH		3.879	On	-49.983	-16.12	PASS	
			3.816	Off	-51.177	-16.18	PASS	
	HCH	2480	3.522	On	-50.150	-16.48	PASS	

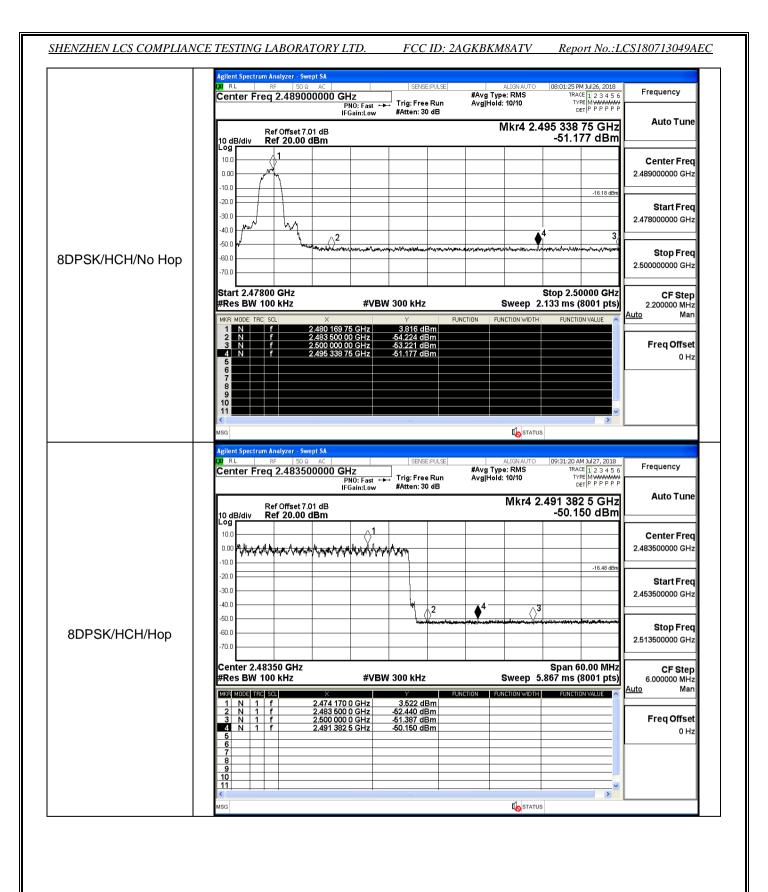






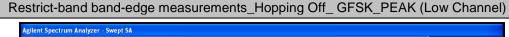


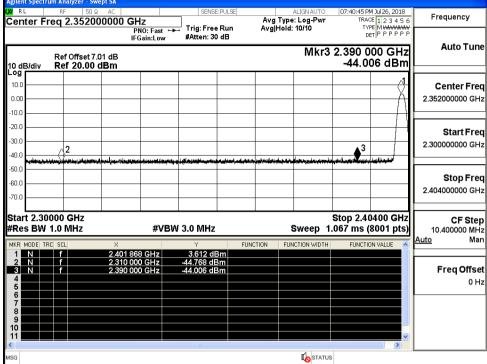




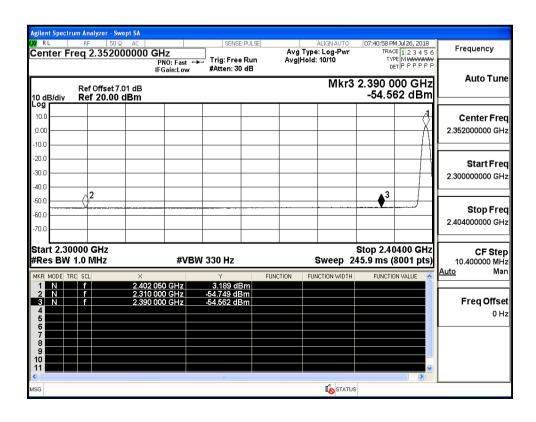
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.77	2.0	0	52.49	PEAK	74	PASS
	Off	2310.0	-54.75	2.0	0	42.51	AV	54	PASS
	Off	2390.0	-44.01	2.0	0	53.25	PEAK	74	PASS
	Off	2390.0	-54.56	2.0	0	42.70	AV	54	PASS
GFSK	Off	2483.5	-44.53	2.0	0	52.73	PEAK	74	PASS
	Off	2483.5	-53.64	2.0	0	43.61	AV	54	PASS
	Off	2500.0	-43.94	2.0	0	53.32	PEAK	74	PASS
	Off	2500.0	-54.06	2.0	0	43.20	AV	54	PASS
	Off	2310.0	-43.62	2.0	0	53.64	PEAK	74	PASS
	Off	2310.0	-54.79	2.0	0	42.47	AV	54	PASS
	Off	2390.0	-43.90	2.0	0	53.36	PEAK	74	PASS
	Off	2390.0	-54.35	2.0	0	42.91	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.16	2.0	0	53.10	PEAK	74	PASS
	Off	2483.5	-53.74	2.0	0	43.52	AV	54	PASS
	Off	2500.0	-43.99	2.0	0	53.27	PEAK	74	PASS
	Off	2500.0	-54.03	2.0	0	43.23	AV	54	PASS
	Off	2310.0	-43.72	2.0	0	53.54	PEAK	74	PASS
	Off	2310.0	-54.74	2.0	0	42.52	AV	54	PASS
	Off	2390.0	-43.38	2.0	0	53.88	PEAK	74	PASS
	Off	2390.0	-54.43	2.0	0	42.83	AV	54	PASS
8DPSK	Off	2483.5	-43.65	2.0	0	53.60	PEAK	74	PASS
	Off	2483.5	-53.75	2.0	0	43.51	AV	54	PASS
	Off	2500.0	-44.77	2.0	0	52.49	PEAK	74	PASS
	Off	2500.0	-54.12	2.0	0	43.14	AV	54	PASS

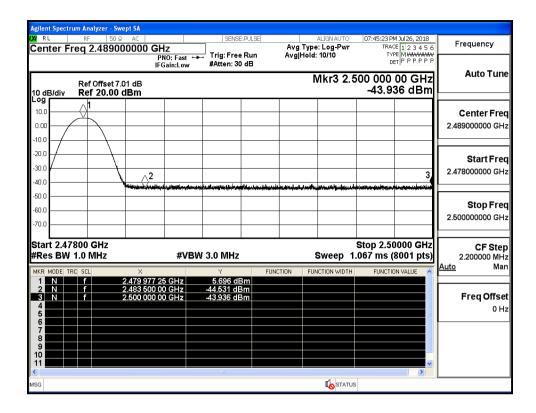




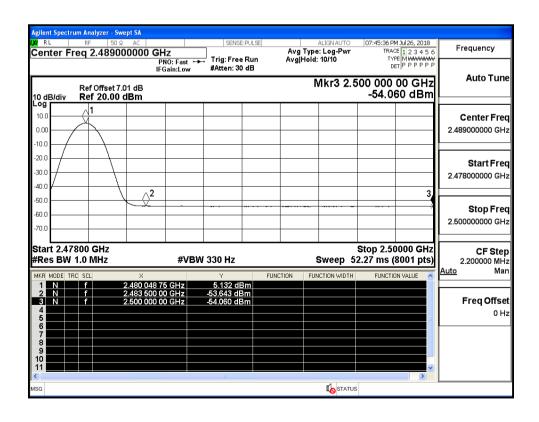
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



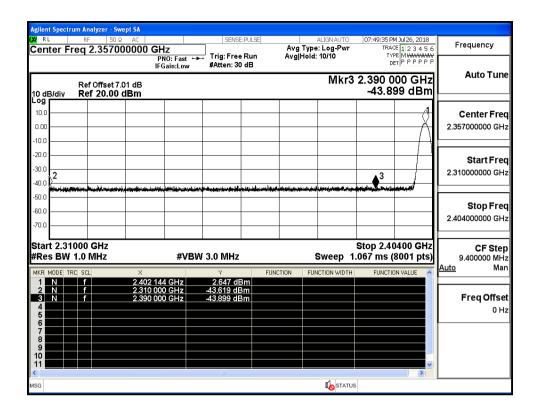
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



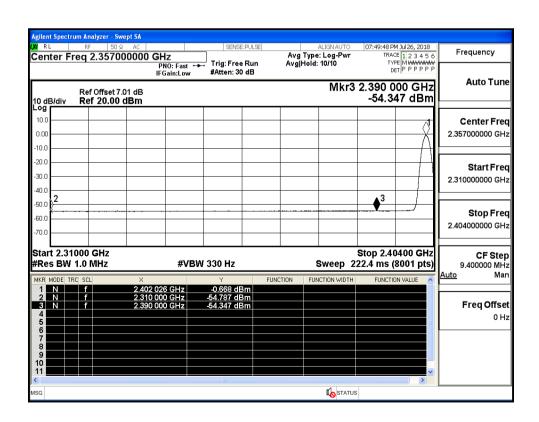
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



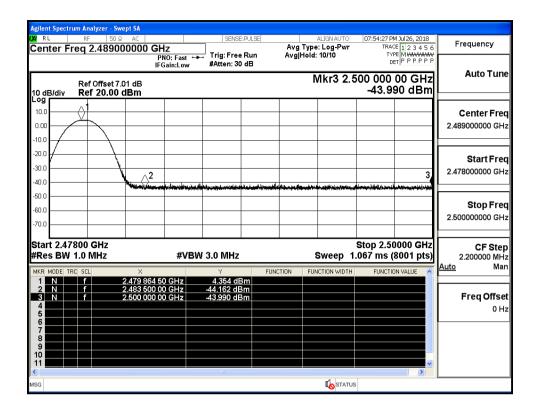
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



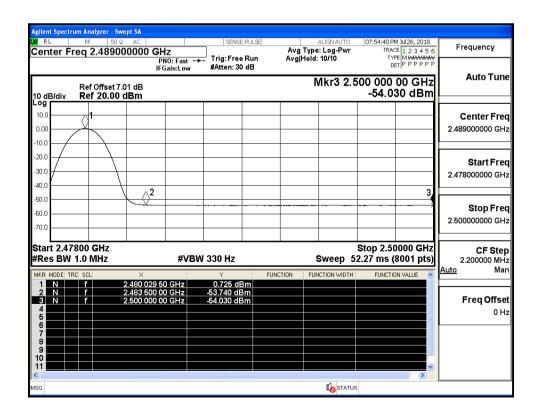
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



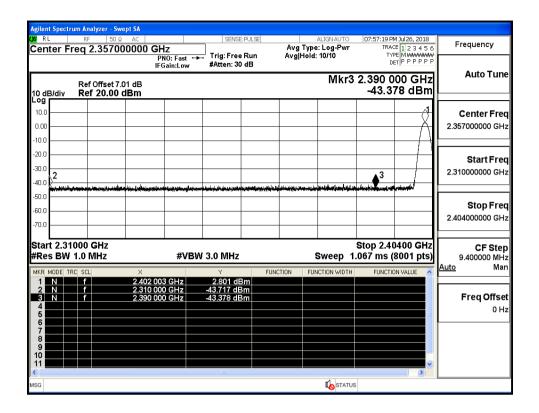
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



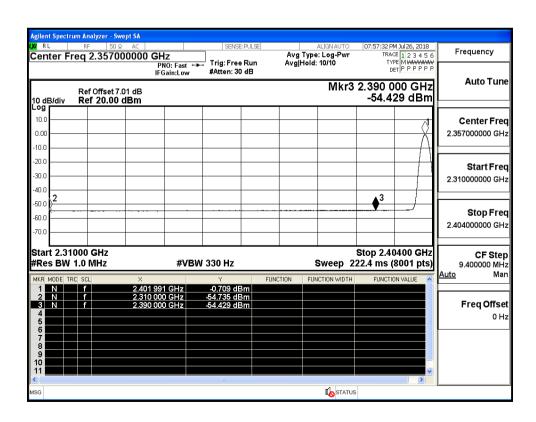
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



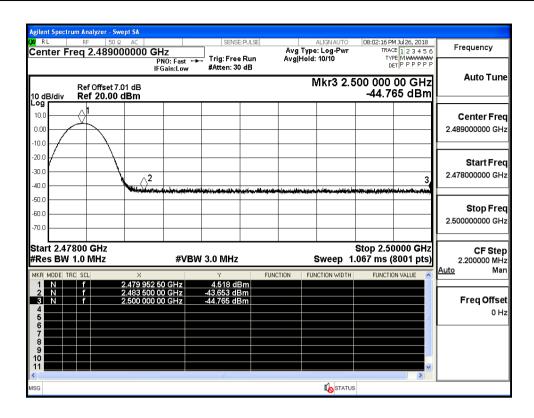
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

