Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

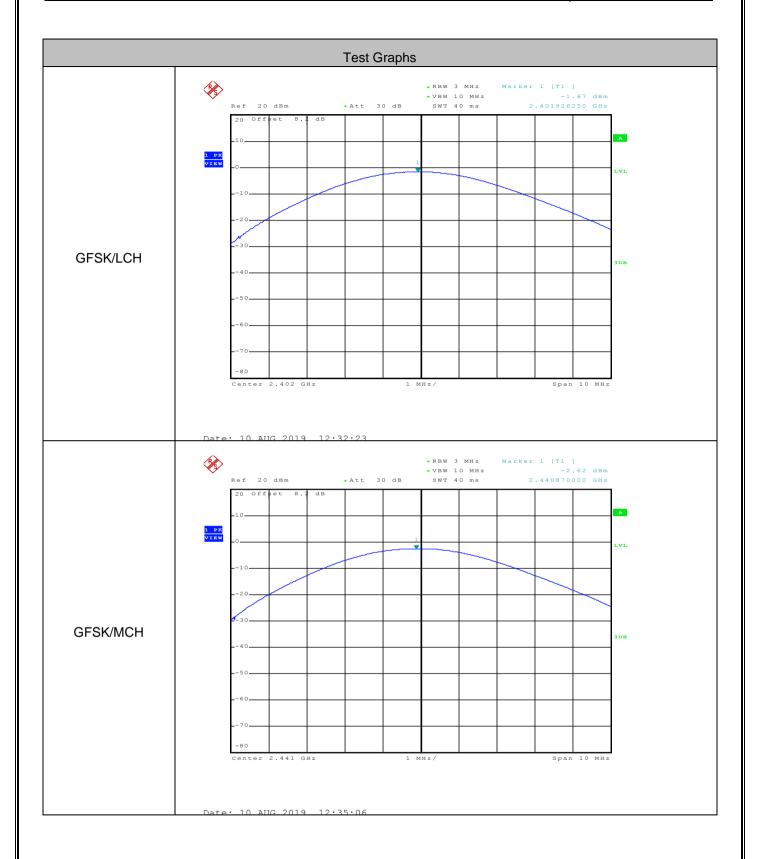
Product Name: Urbanista Brsibane Trade Mark: Urbanista Test Model: Urbanista Brsibane

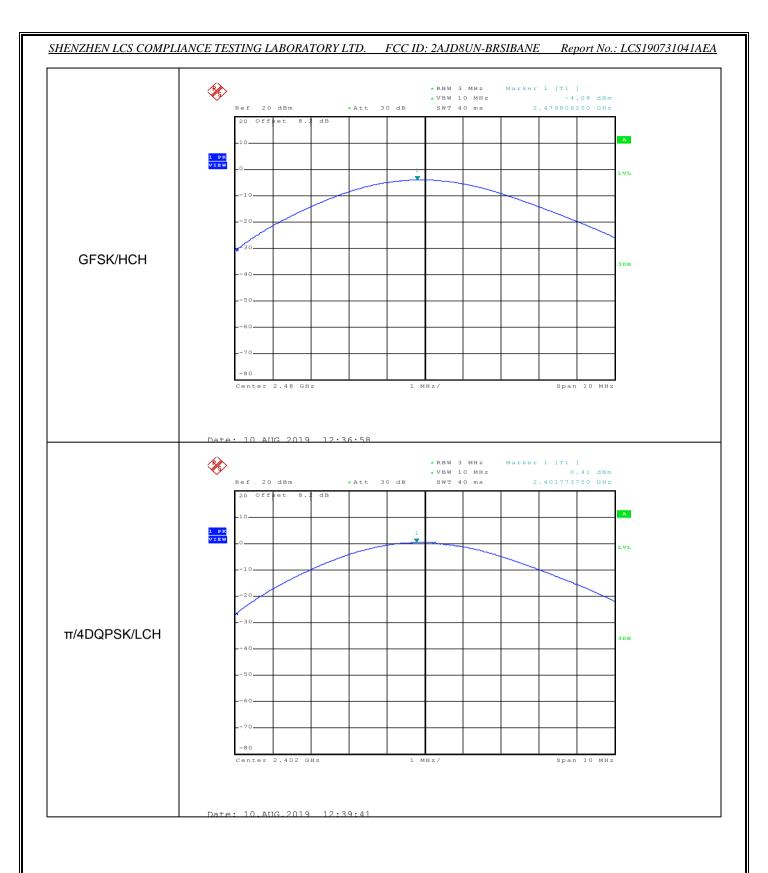
Environmental Conditions

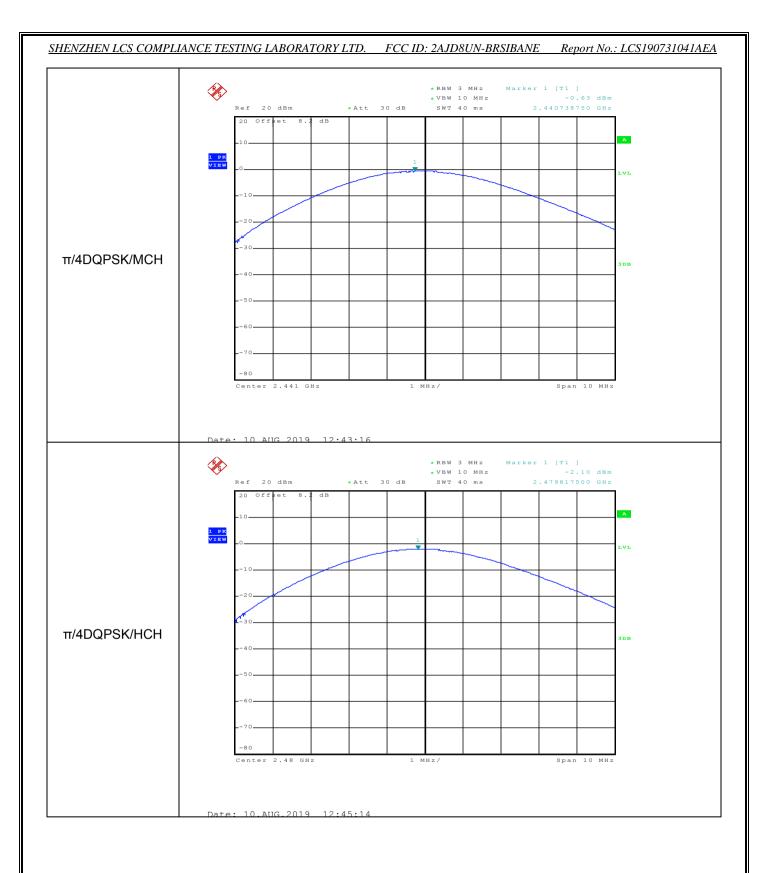
_	
Temperature:	24.3 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	JERRY.ZENG
Supervised by:	Wang.Chuang

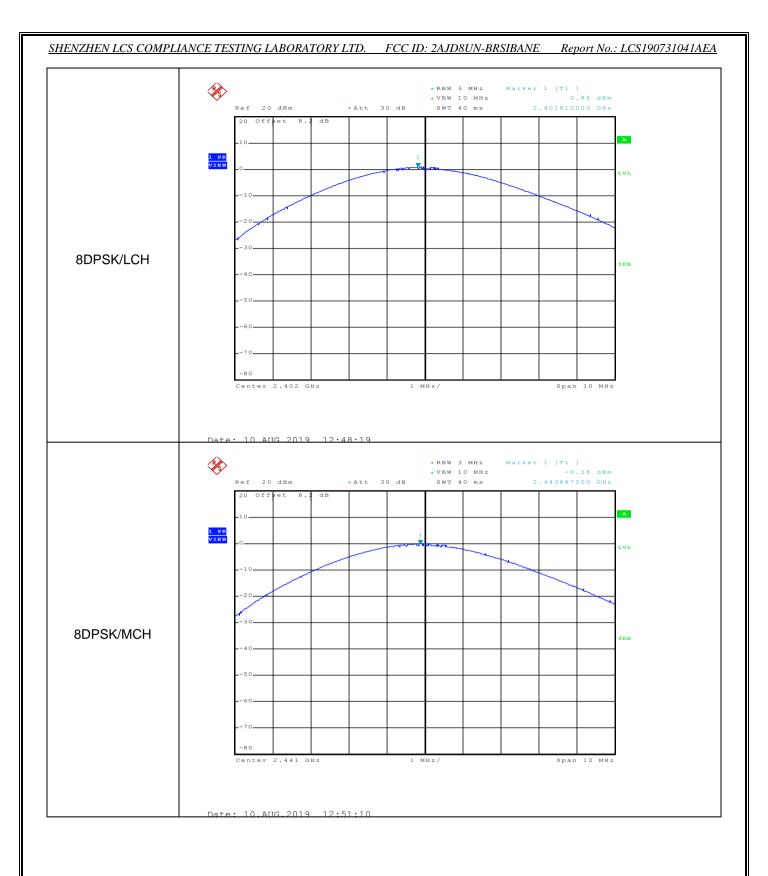
A.1 Maxmum Conducted Peak Output Power

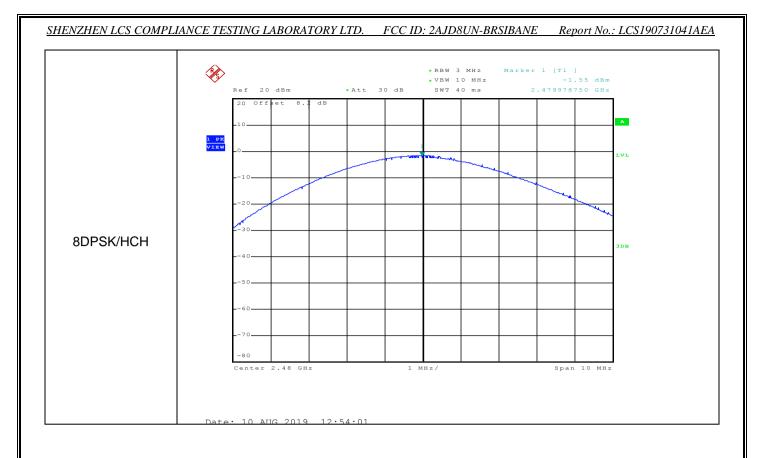
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.670	30	PASS
GFSK	MCH	-2.620	30	PASS
	НСН			PASS
	LCH	0.410	21	PASS
π/4DQPSK	MCH	-0.630	21	PASS
	НСН	-2.100	21	PASS
	LCH	0.860	21	PASS
8DPSK	8DPSK MCH -0.1		21	PASS
	HCH	-1.550	21	PASS





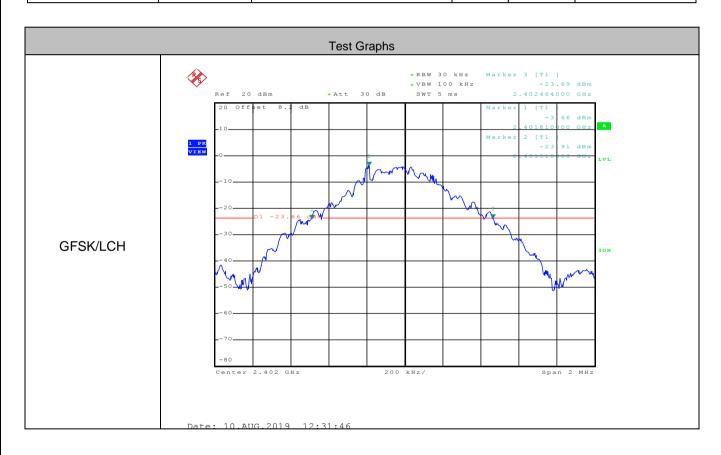


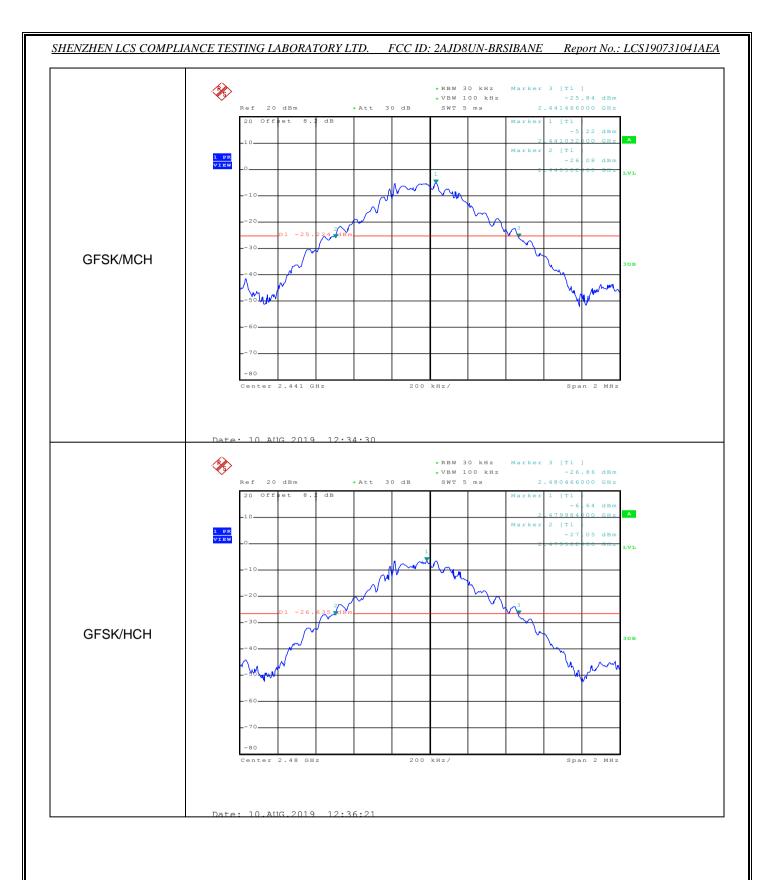


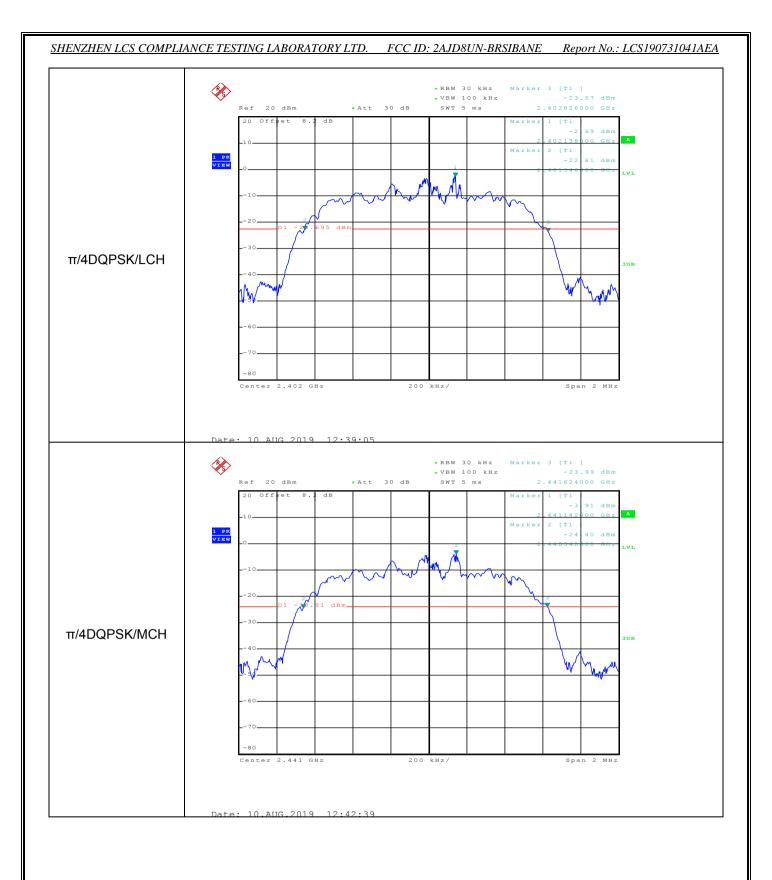


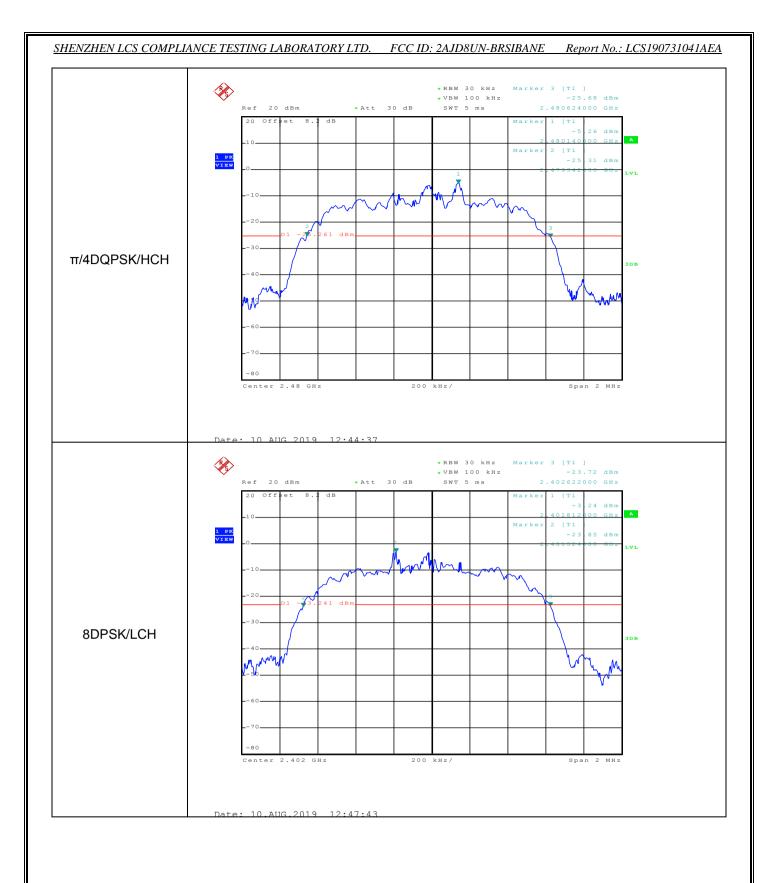
A.2 20dB Bandwidth

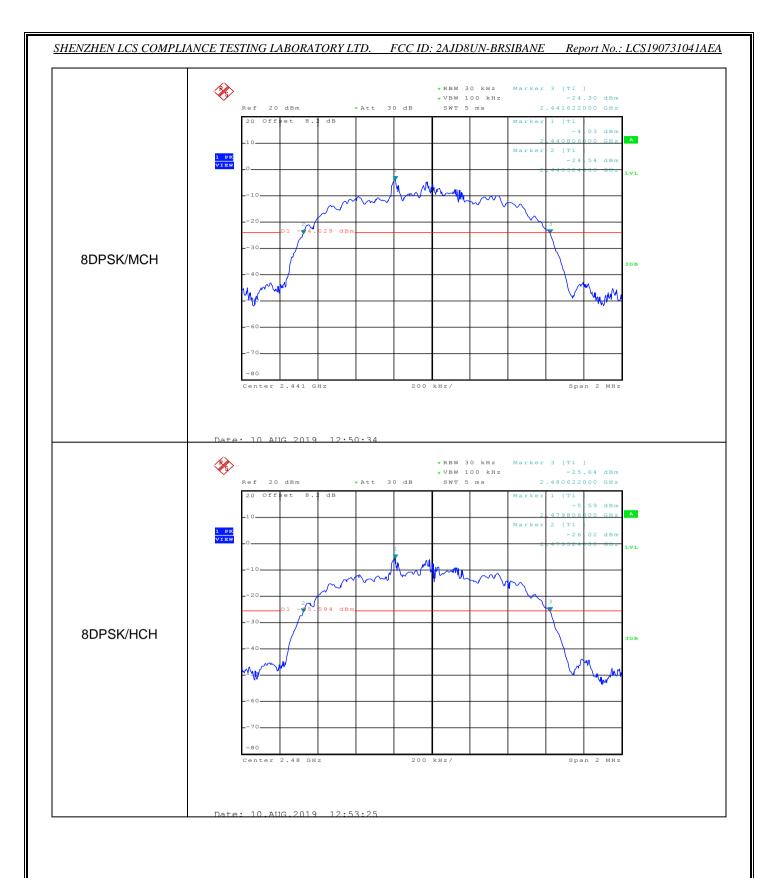
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.954	Not Specified	PASS
GFSK	MCH	0.964	Not Specified	PASS
	НСН	0.964	Not Specified	PASS
	LCH	1.280	Not Specified	PASS
π/4DQPSK	MCH	1.284	Not Specified	PASS
	HCH	1.282	Not Specified	PASS
	LCH	1.298	Not Specified	PASS
8DPSK	MCH	1.298	Not Specified	PASS
	HCH	1.298	Not Specified	PASS





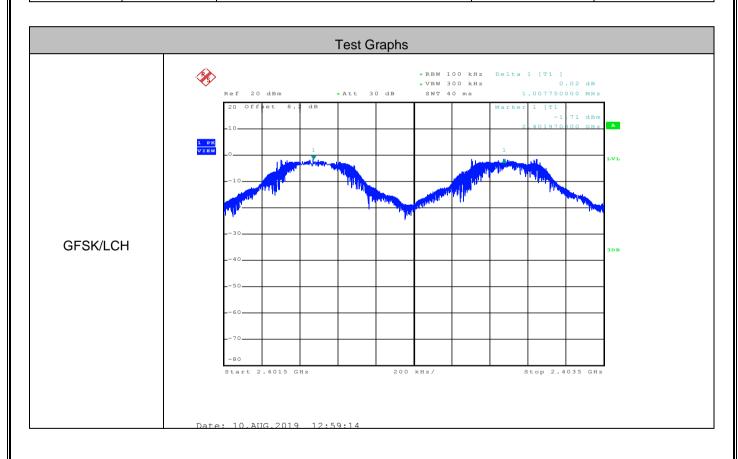


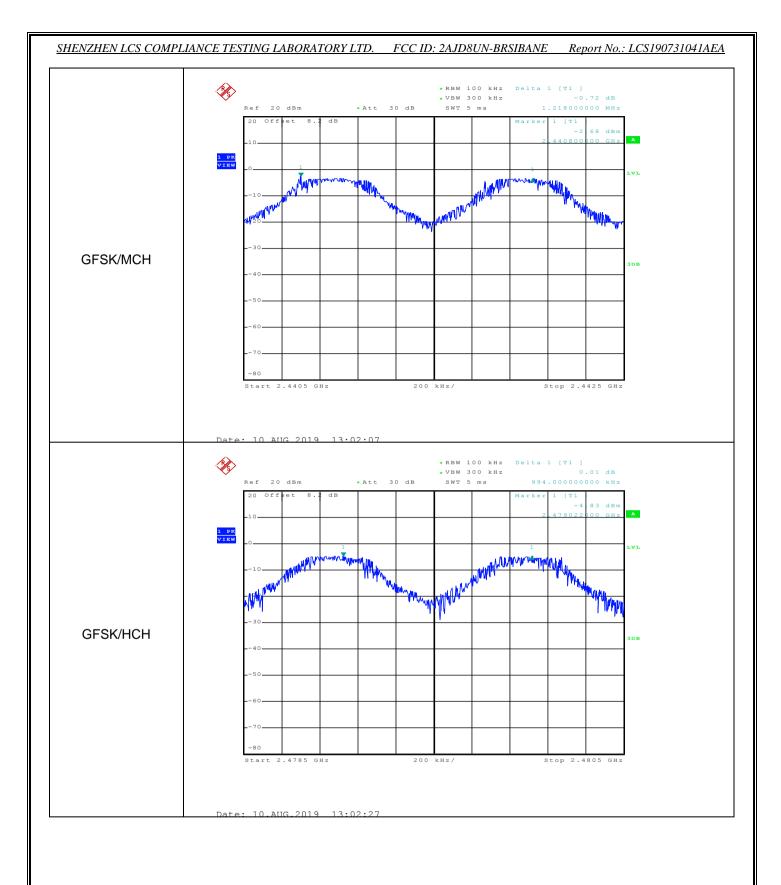


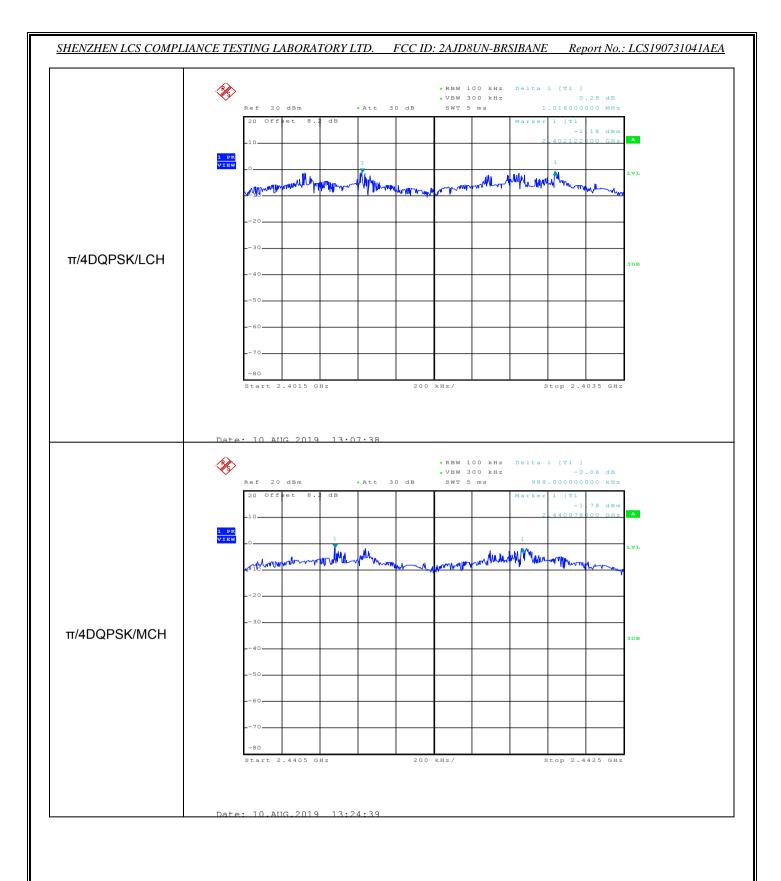


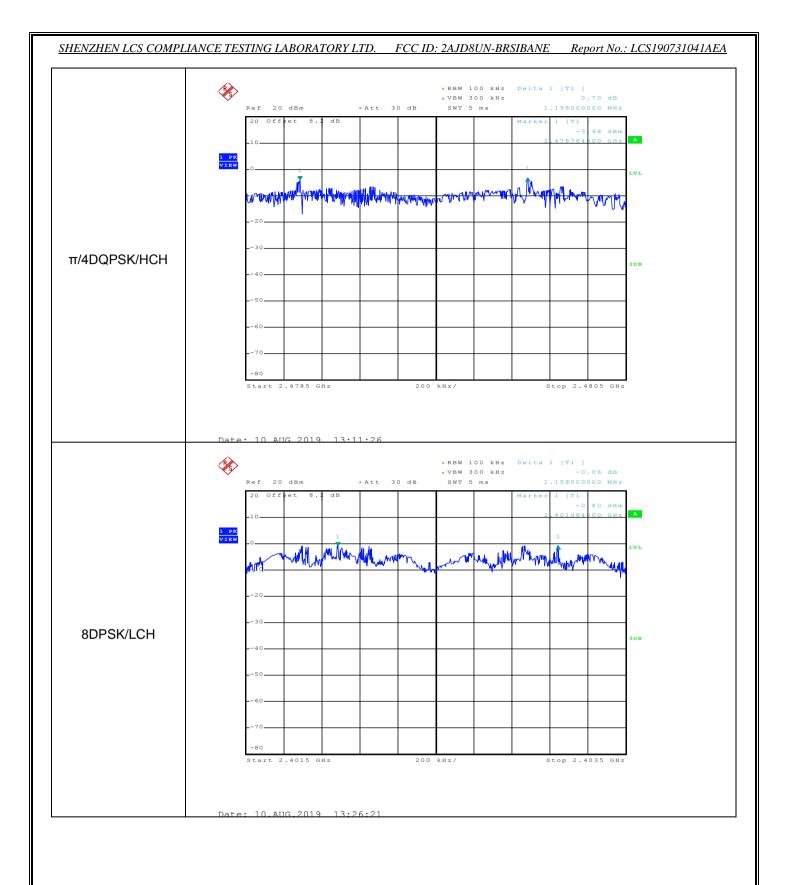
A.3 Carrier Frequency Separation

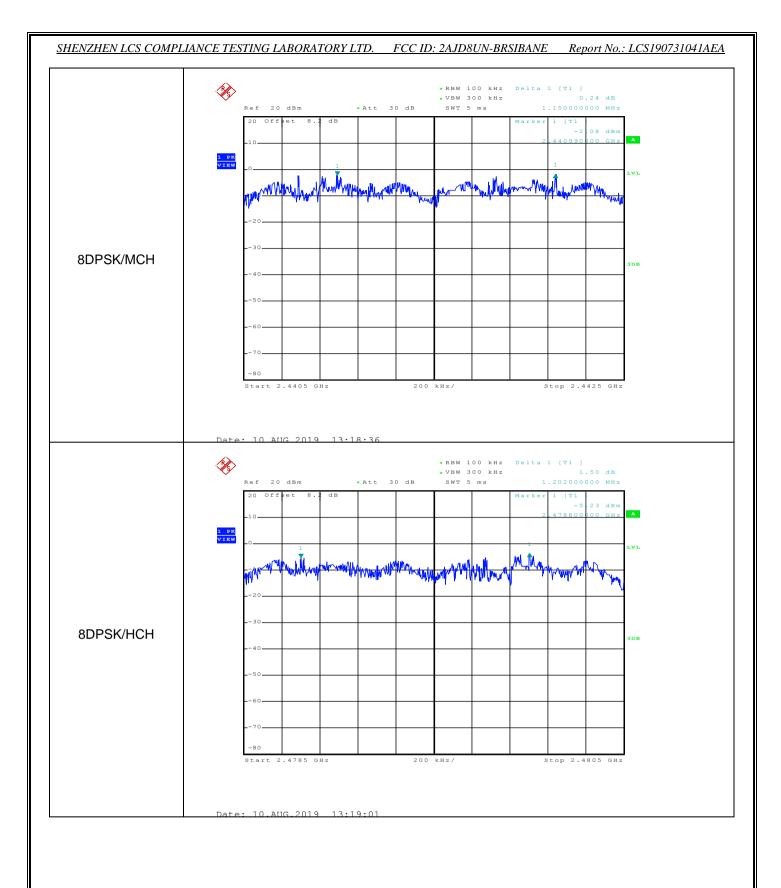
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.008	0.643	PASS
GFSK	MCH	1.218	0.643	PASS
	HCH	0.994	0.643	PASS
	LCH	1.016	0.856	PASS
π/4DQPSK	MCH	0.988	0.856	PASS
	HCH	1.198	0.856	PASS
	LCH	1.158	0.865	PASS
8DPSK	MCH	1.150	0.865	PASS
	HCH	1.202	0.865	PASS





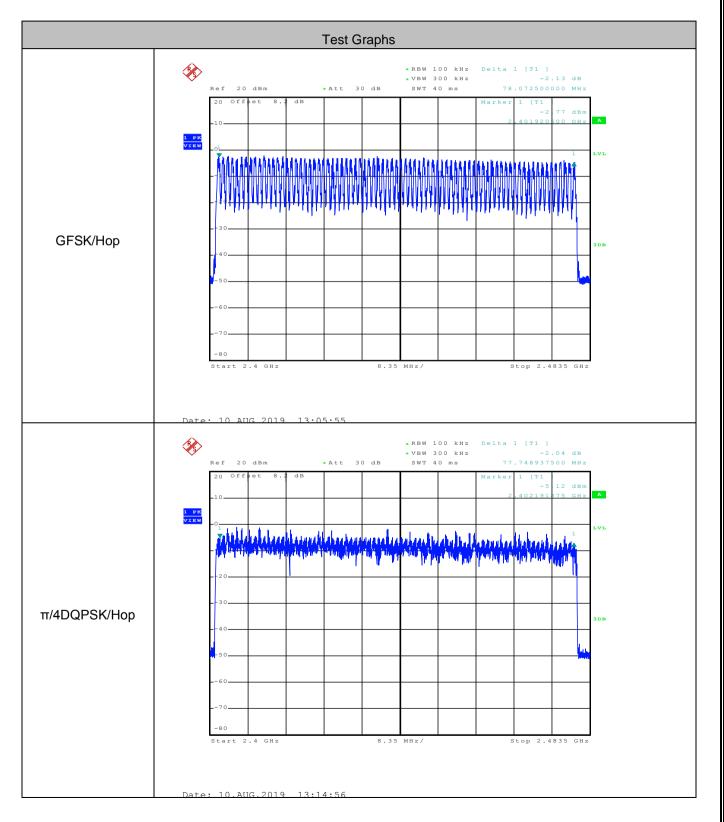


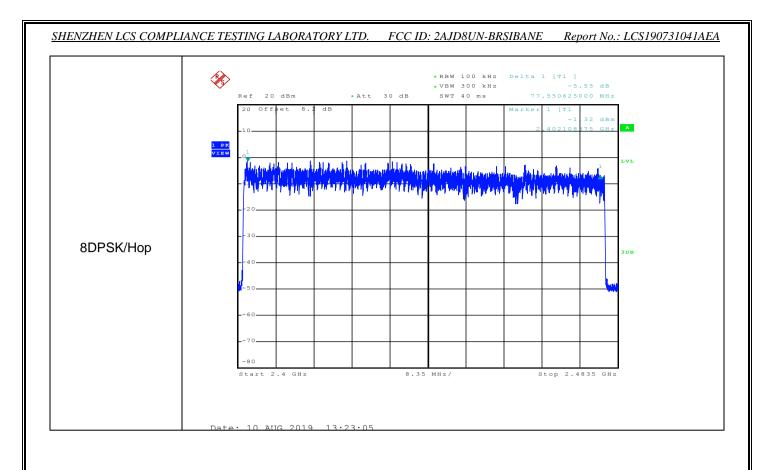




A.4 Hopping Channel Number

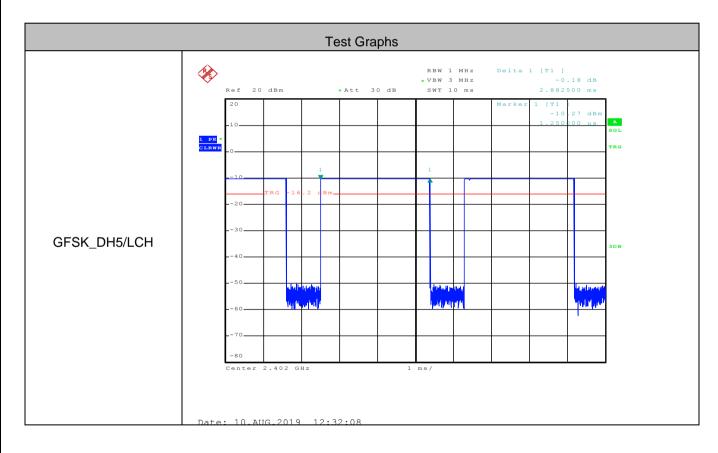
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

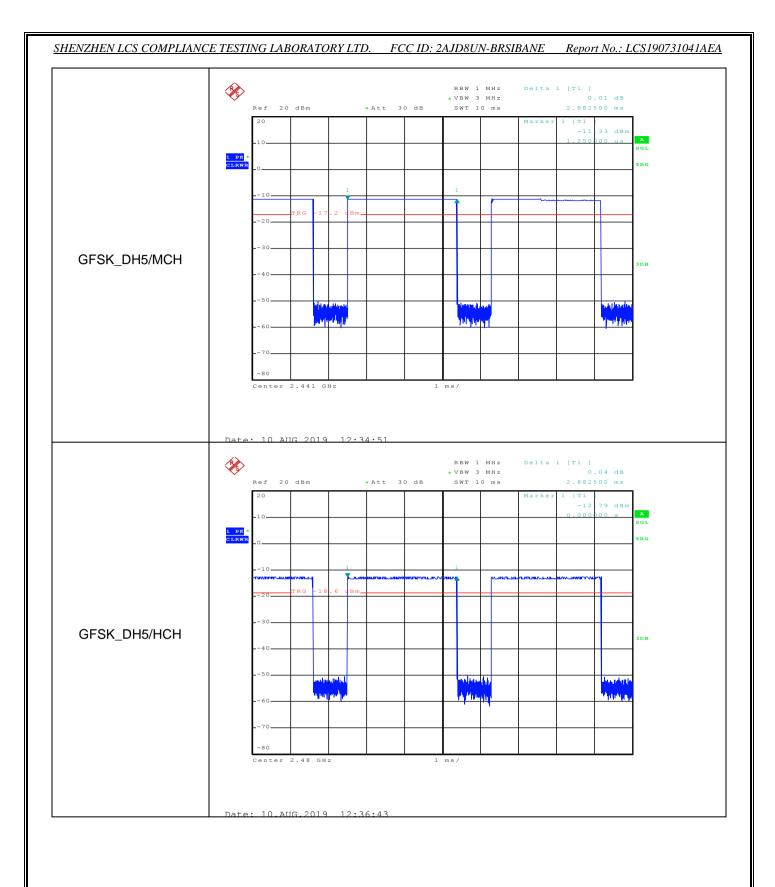


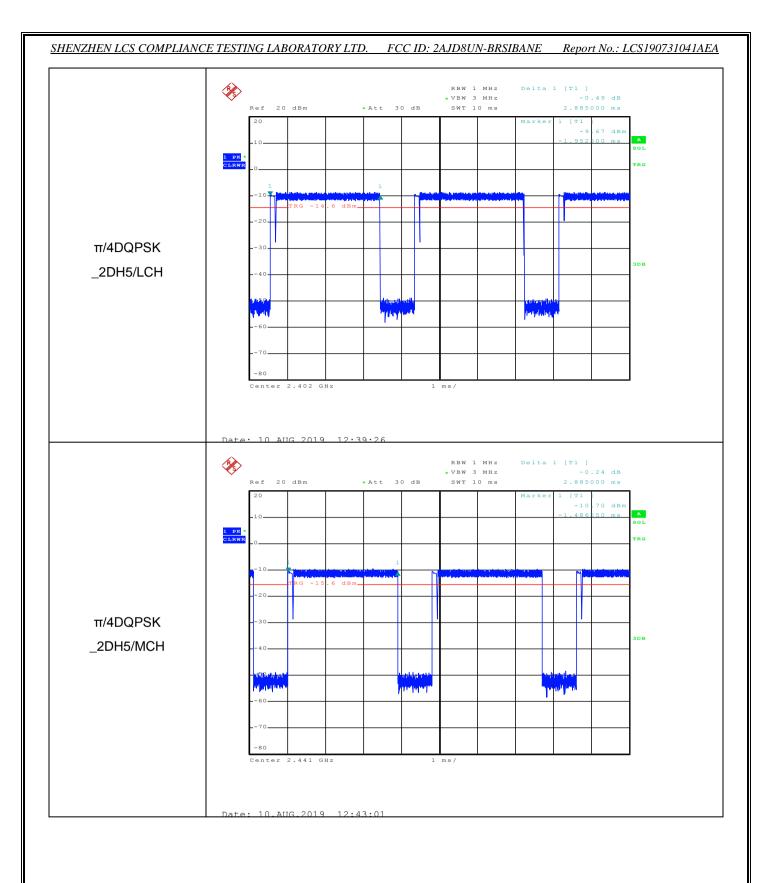


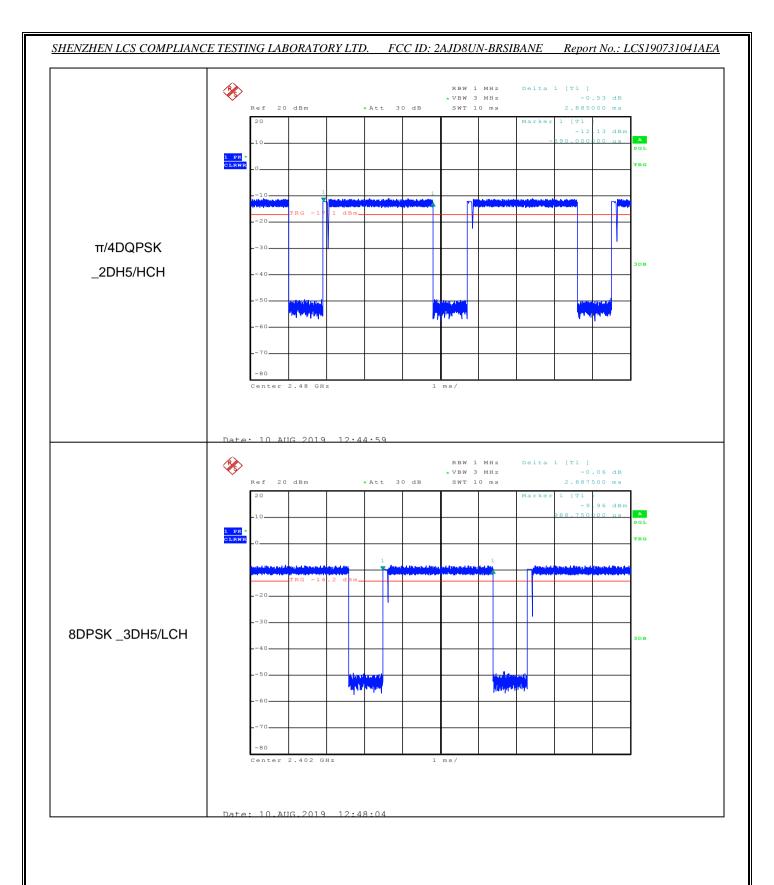
A.5 Dwell Time

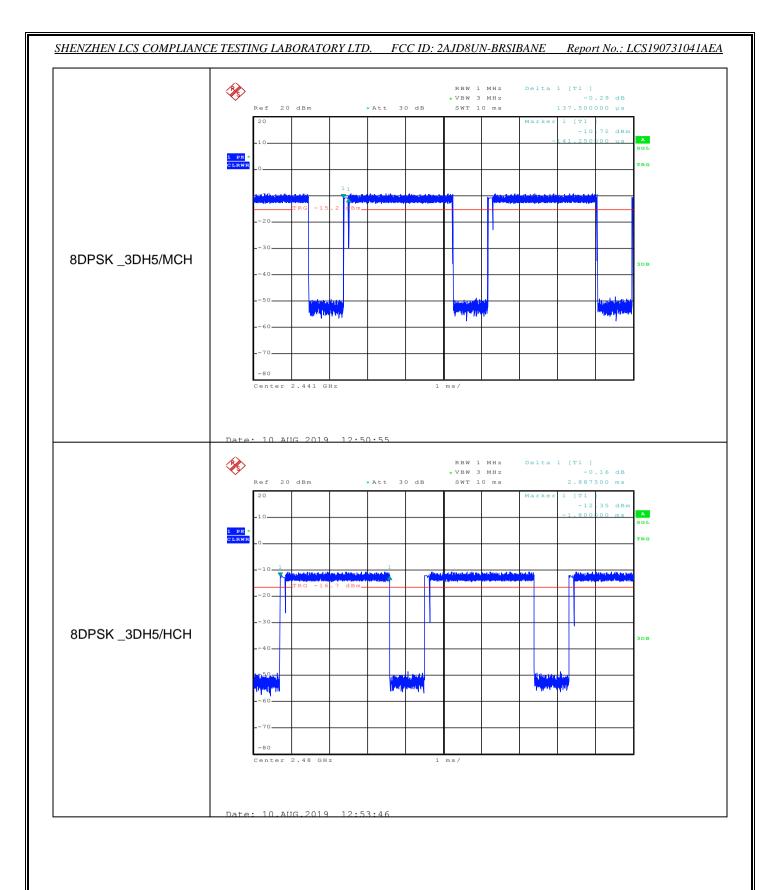
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.308	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.308	0.4	PASS
	2DH5	HCH	2.88	106.7	0.308	0.4	PASS
	3DH5	LCH	2.88	106.7	0.308	0.4	PASS
8DPSK	3DH5	MCH	2.88	106.7	0.015	0.4	PASS
	3DH5	HCH	2.88	106.7	0.308	0.4	PASS





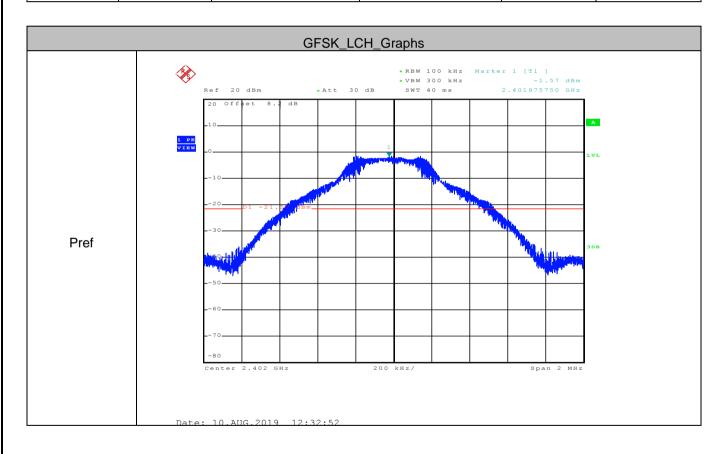


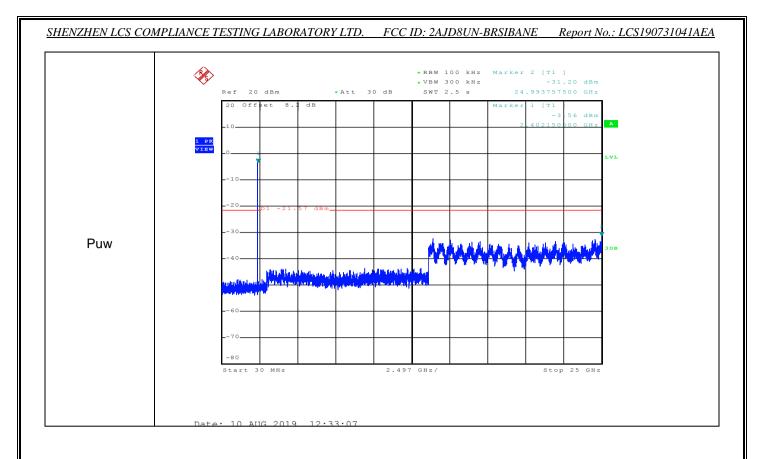


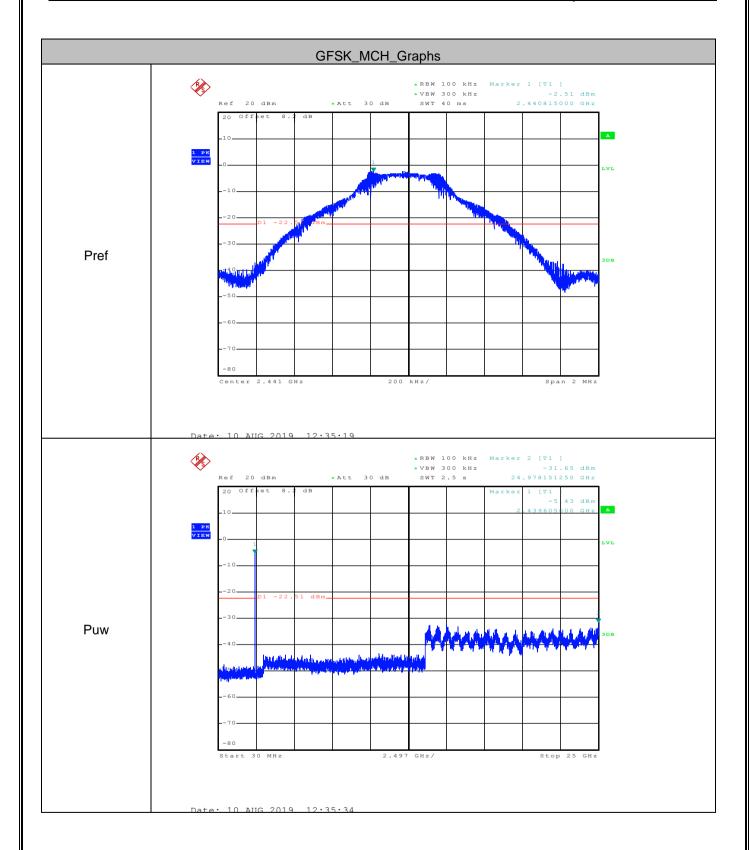


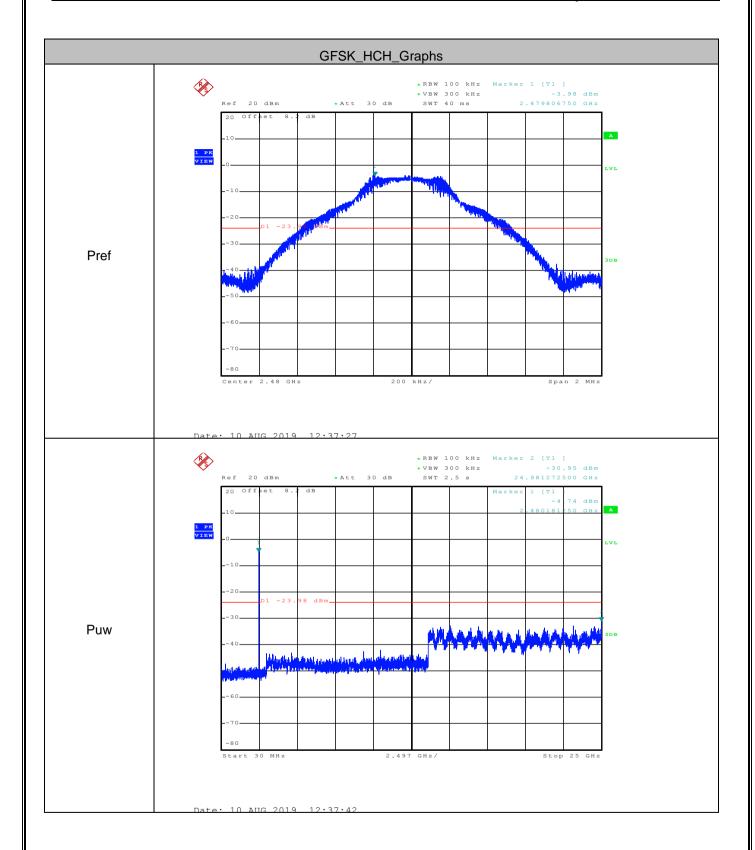
A.6 RF Conducted Spurious Emissions

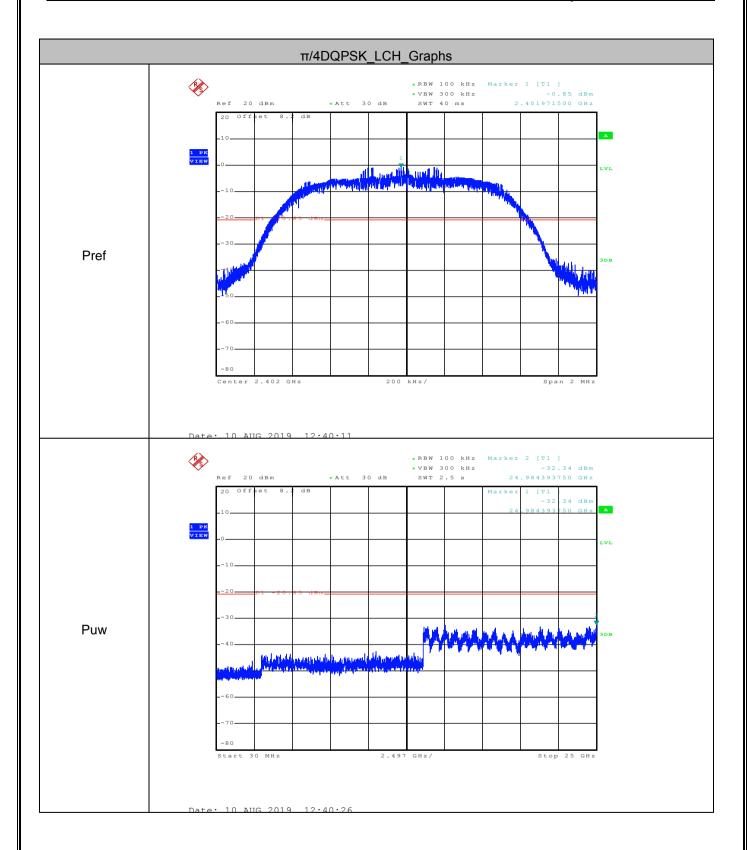
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.57	-31.200	-21.570	PASS
GFSK	MCH	-2.51	-31.650	-22.510	PASS
	НСН	-3.98	-30.950	-23.980	PASS
	LCH	-0.85	-32.340	-20.850	PASS
π/4DQPSK	MCH	-1.83	-32.850	-21.830	PASS
	НСН	-3.37	-32.540	-23.370	PASS
	LCH	-0.89	-32.340	-20.890	PASS
8DPSK	MCH	-1.8	-32.330	-21.800	PASS
	НСН	-3.34	-32.120	-23.340	PASS

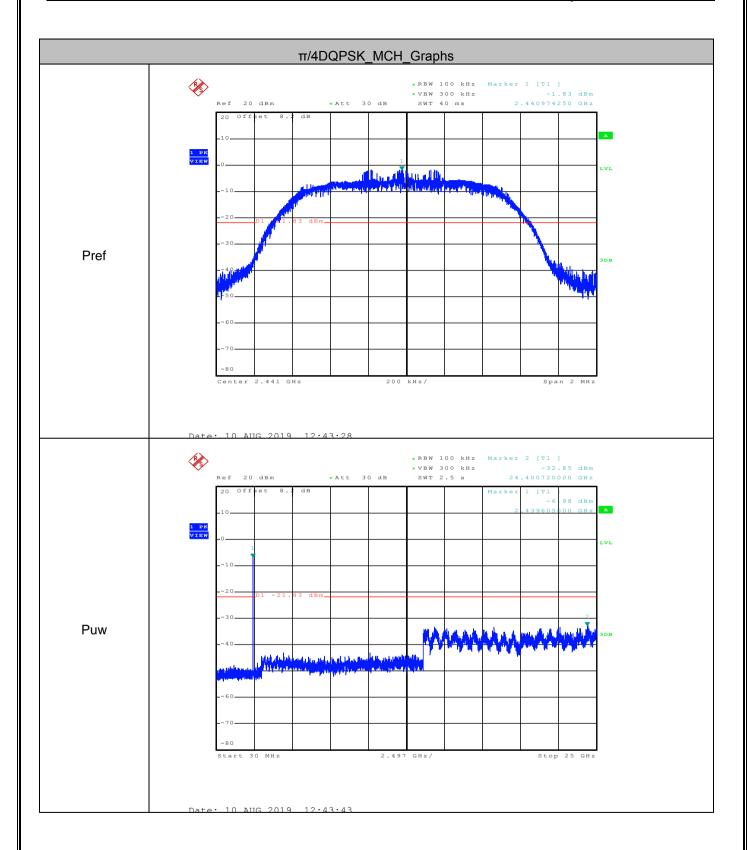


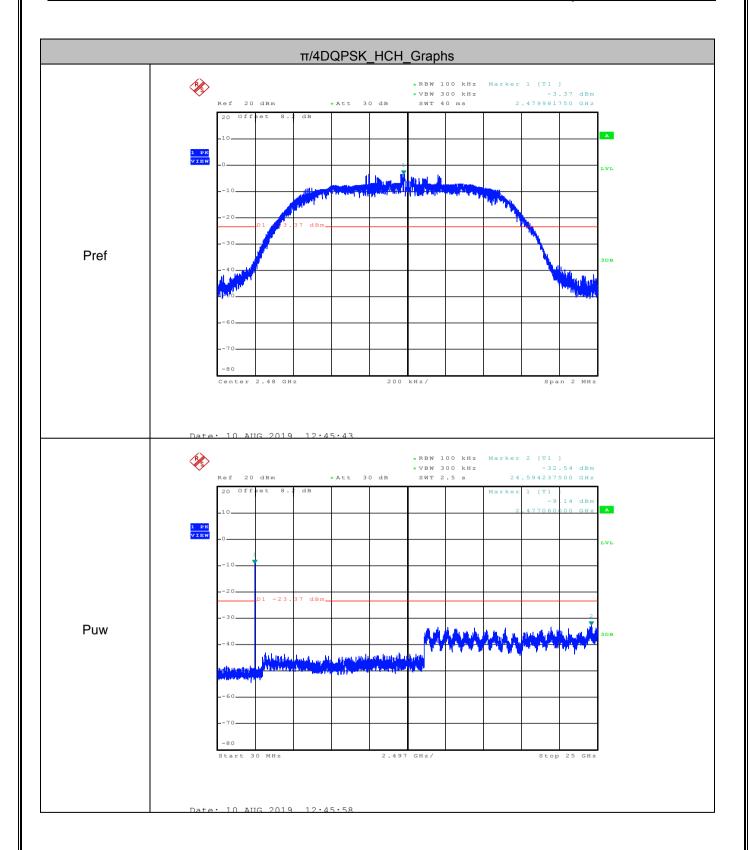


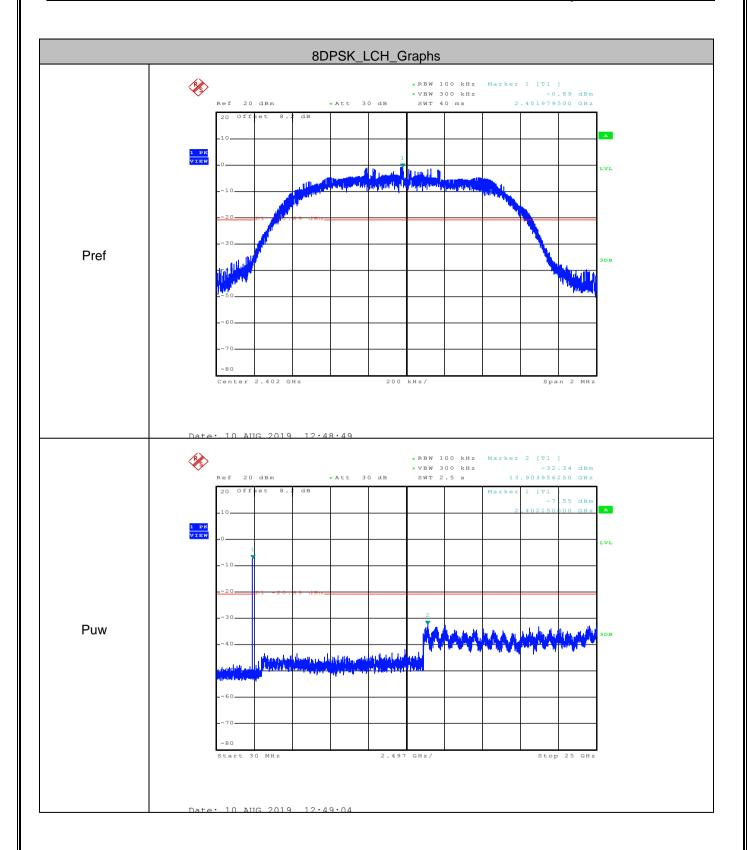


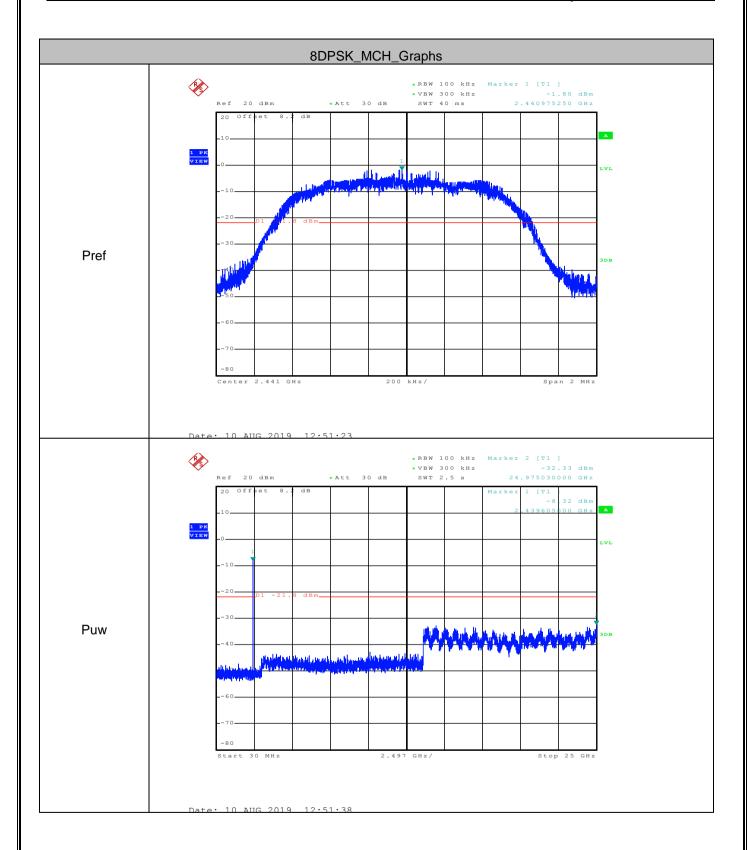


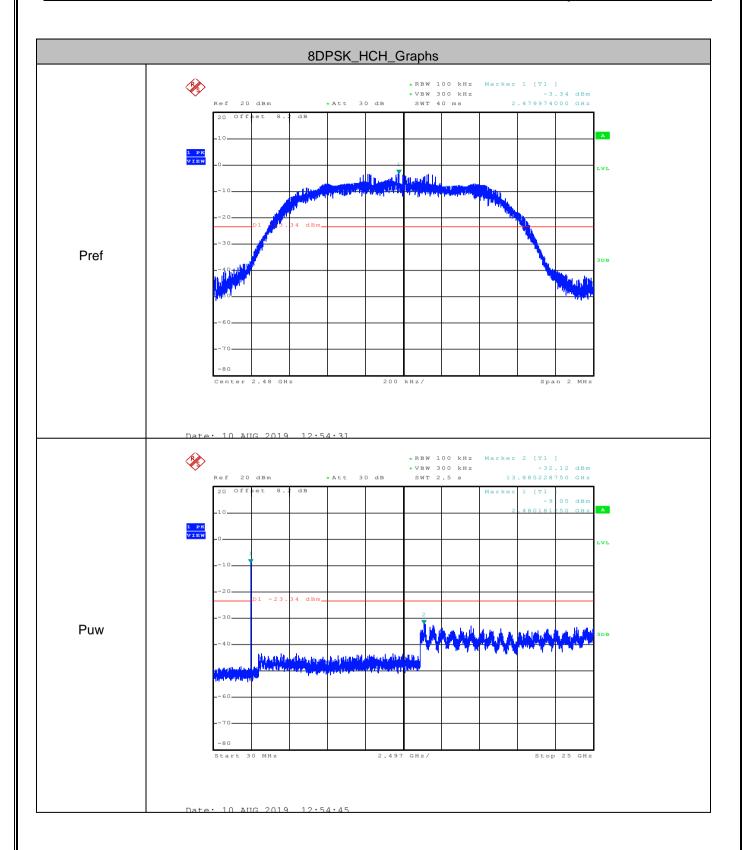






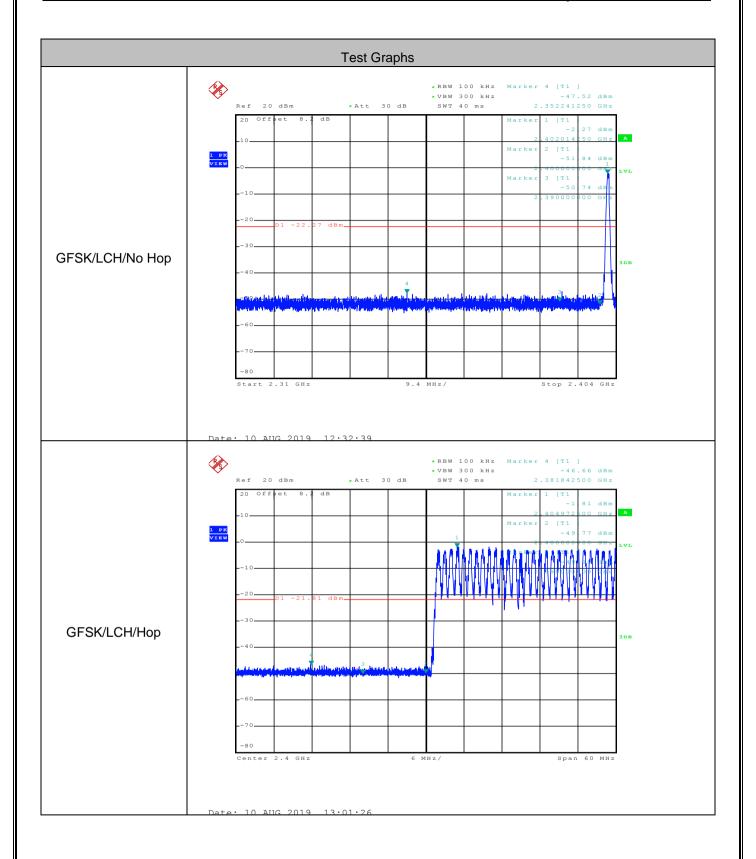


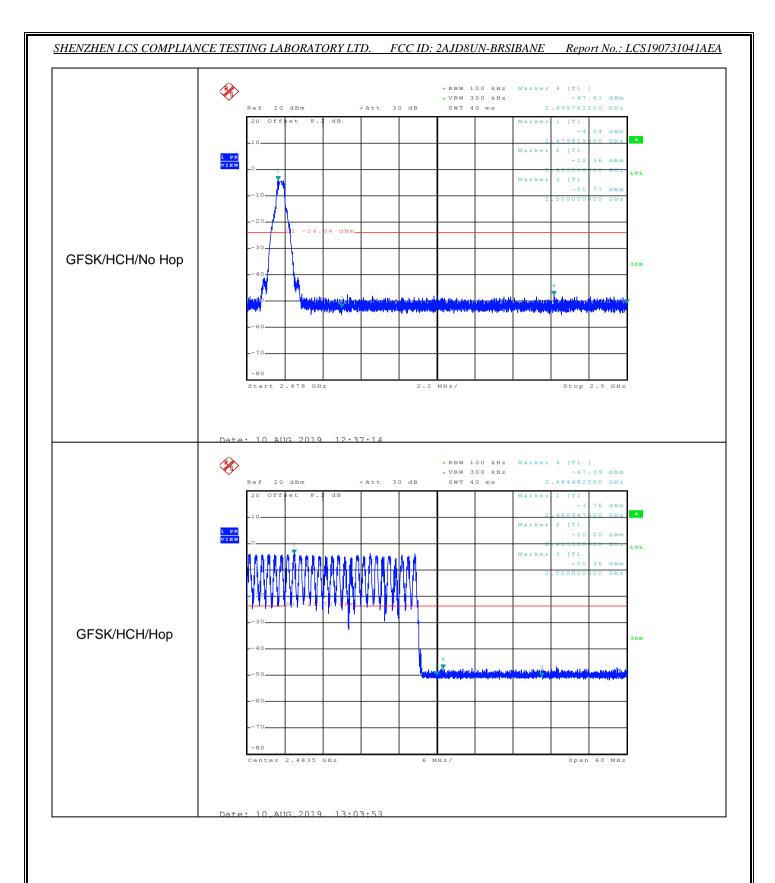


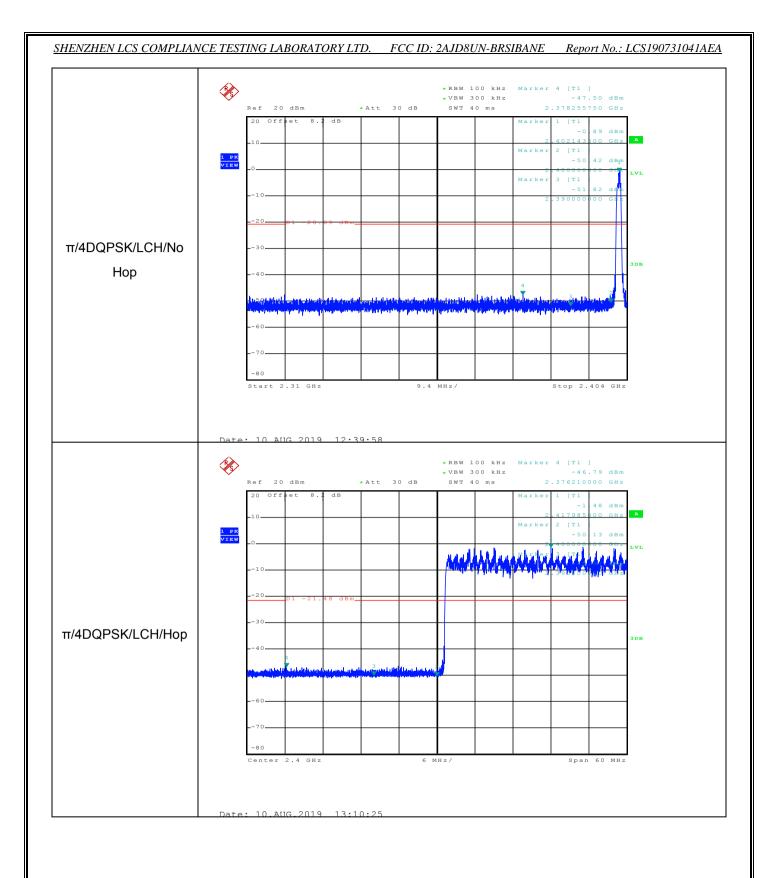


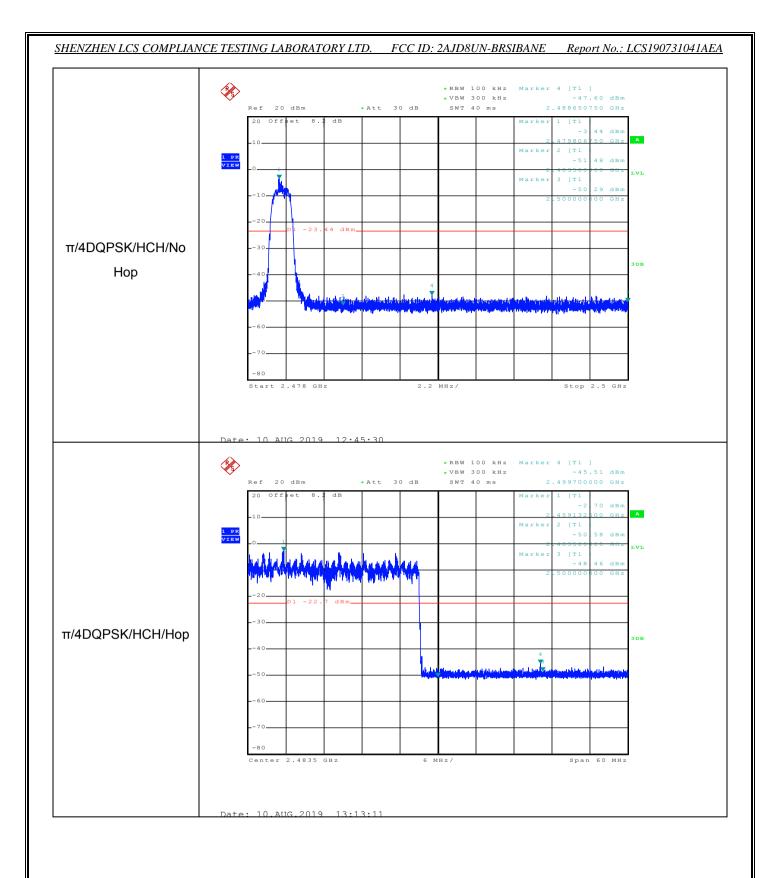
A.7 Band-edge for RF Conducted Emissions

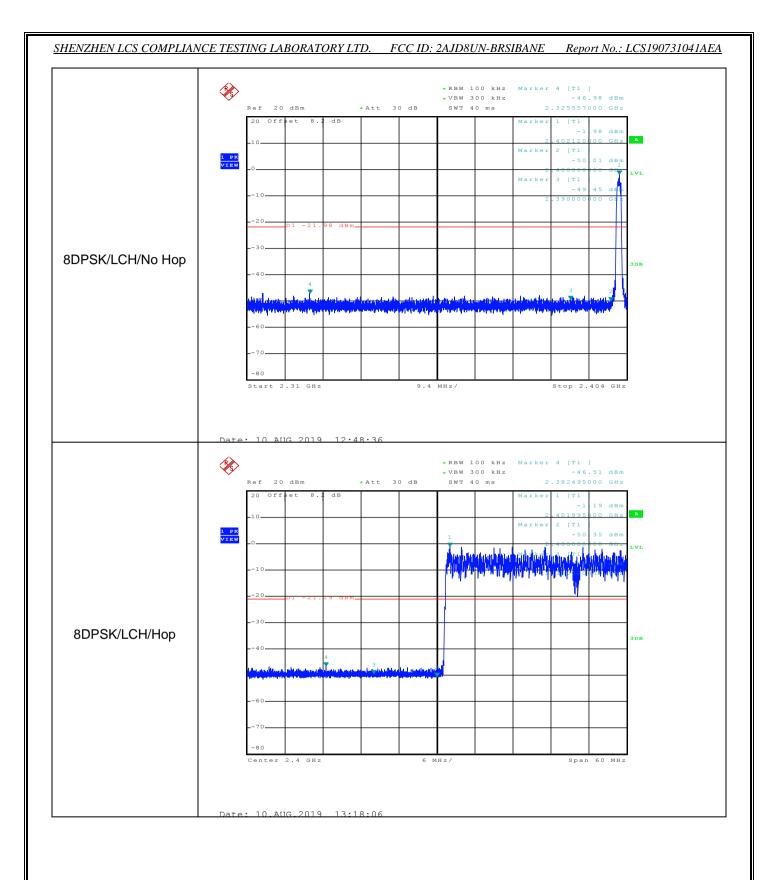
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			-2.270	Off	-47.525	-22.27	PASS	
2-21/	LCH	2402	-1.810	On	-46.656	-21.81	PASS	
GFSK	нсн	2480	-4.040	Off	-47.609	-24.04	PASS	
			-3.760	On	-47.394	-23.76	PASS	
	LCH			-0.890	Off	-47.503	-20.89	PASS
		2402	-1.480	On	-46.792	-21.48	PASS	
π/4DQPSK	нсн	CH 2480	-3.440	Off	-47.600	-23.44	PASS	
			-2.700	On	-45.508	-22.7	PASS	
			-1.980	Off	-46.976	-21.98	PASS	
	LCH	2402	-1.190	On	-46.510	-21.19	PASS	
8DPSK			-3.620	Off	-47.797	-23.62	PASS	
	HCH	2480	-2.950	On	-47.030	-22.95	PASS	

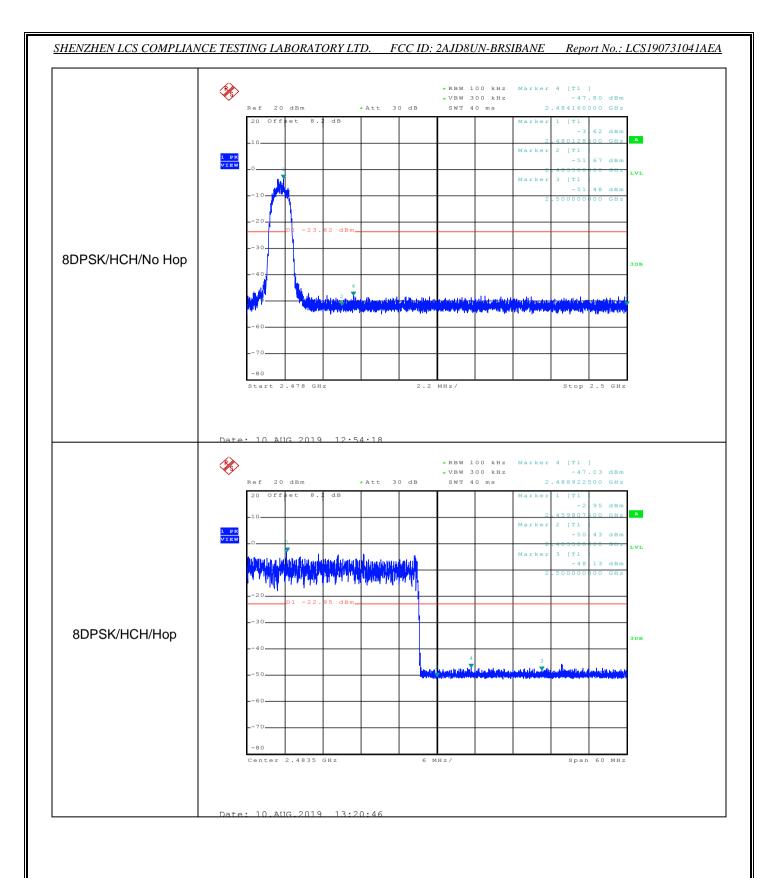






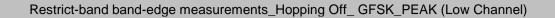


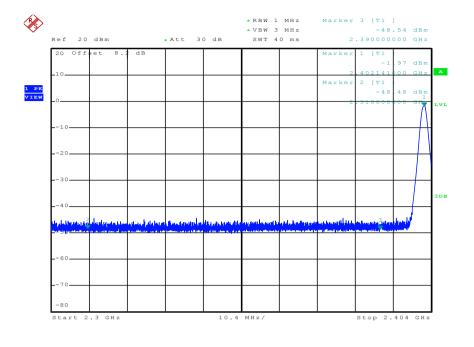




A.8 Restrict-band band-edge measurements

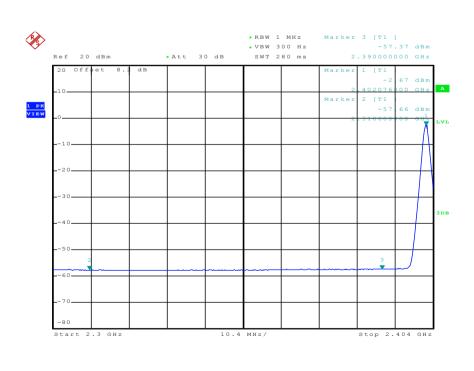
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-48.48	2.0	0	48.78	PEAK	74	PASS
	Off	2310.0	-57.66	2.0	0	39.60	AV	54	PASS
	Off	2390.0	-48.54	2.0	0	48.72	PEAK	74	PASS
	Off	2390.0	-57.37	2.0	0	39.89	AV	54	PASS
GFSK	Off	2483.5	-42.81	2.0	0	54.45	PEAK	74	PASS
	Off	2483.5	-47.35	2.0	0	49.91	AV	54	PASS
	Off	2500.0	-48.49	2.0	0	48.77	PEAK	74	PASS
	Off	2500.0	-58.06	2.0	0	39.20	AV	54	PASS
	Off	2310.0	-48.88	2.0	0	48.38	PEAK	74	PASS
	Off	2310.0	-57.71	2.0	0	39.55	AV	54	PASS
	Off	2390.0	-46.96	2.0	0	50.30	PEAK	74	PASS
	Off	2390.0	-57.36	2.0	0	39.90	AV	54	PASS
π/4DQPSK	Off	2483.5	-41.56	2.0	0	55.70	PEAK	74	PASS
	Off	2483.5	-47.34	2.0	0	49.92	AV	54	PASS
	Off	2500.0	-47.50	2.0	0	49.76	PEAK	74	PASS
	Off	2500.0	-58.01	2.0	0	39.25	AV	54	PASS
	Off	2310.0	-48.86	2.0	0	48.40	PEAK	74	PASS
	Off	2310.0	-57.80	2.0	0	39.46	AV	54	PASS
	Off	2390.0	-46.64	2.0	0	50.62	PEAK	74	PASS
	Off	2390.0	-57.39	2.0	0	39.87	AV	54	PASS
8DPSK	Off	2483.5	-41.22	2.0	0	56.04	PEAK	74	PASS
	Off	2483.5	-47.35	2.0	0	49.91	AV	54	PASS
	Off	2500.0	-47.67	2.0	0	49.59	PEAK	74	PASS
	Off	2500.0	-58.13	2.0	0	39.13	AV	54	PASS





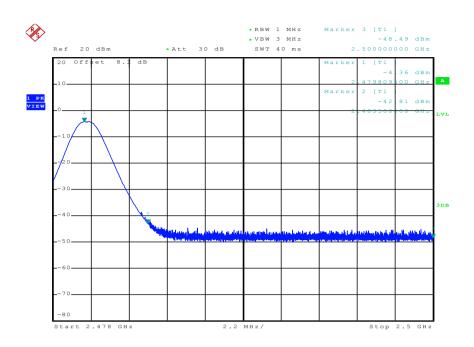
Date: 10.AUG.2019 12:33:26

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



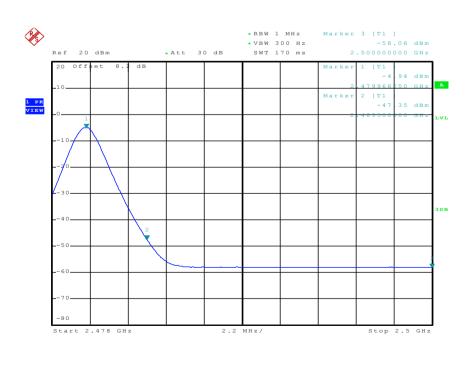
Date: 10.AUG.2019 12:33:39

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



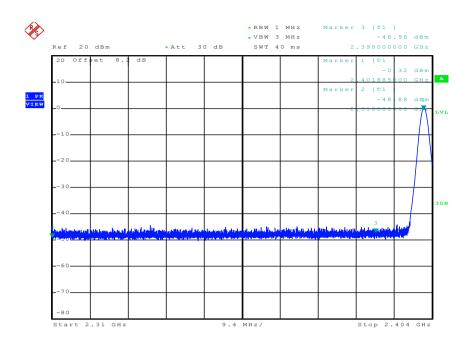
Date: 10.AUG.2019 12:38:01

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



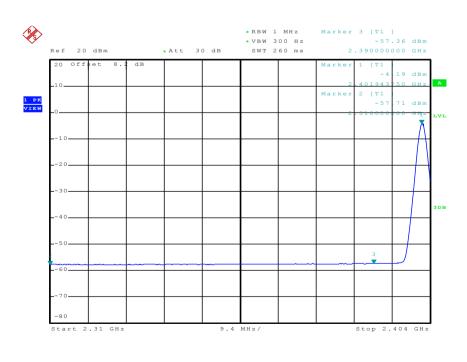
Date: 10.AUG.2019 12:38:14

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



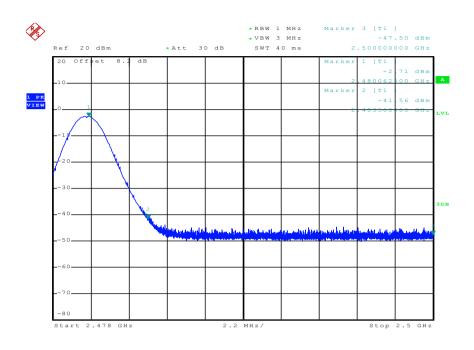
Date: 10.AUG.2019 12:40:45

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



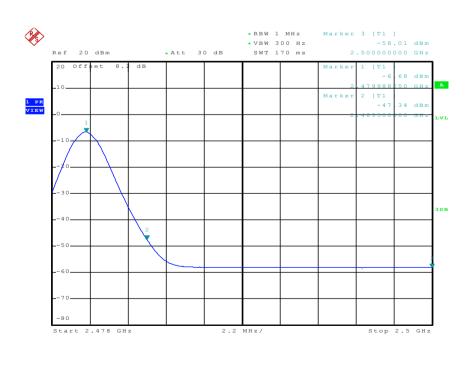
Date: 10.AUG.2019 12:40:58

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



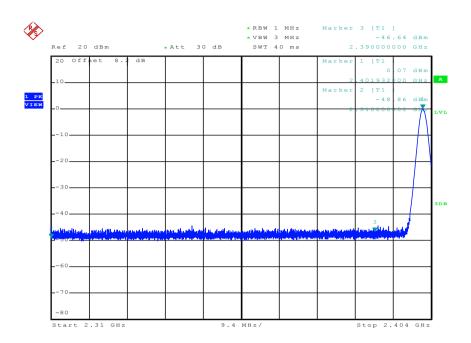
Date: 10.AUG.2019 12:46:17

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



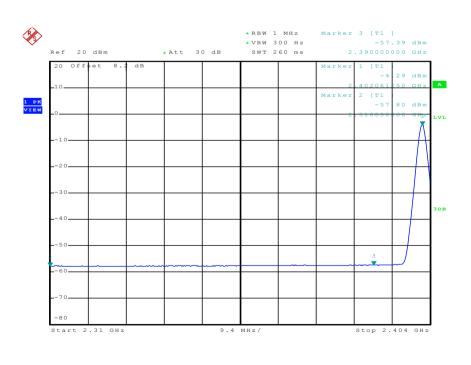
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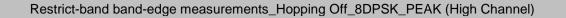


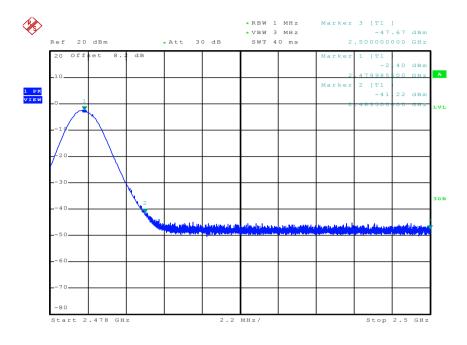
Date: 10.AUG.2019 12:49:23

Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



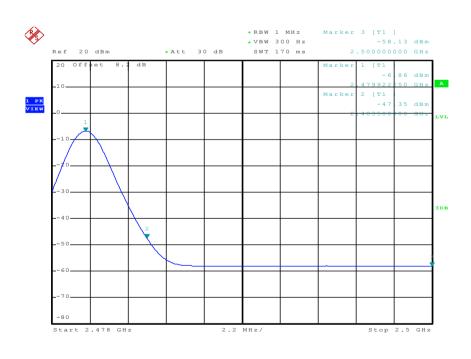
Date: 10.AUG.2019 12:49:36





Date: 10.AUG.2019 12:55:04

Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)



Date: 10.AUG.2019 12:55:18