Appendix A

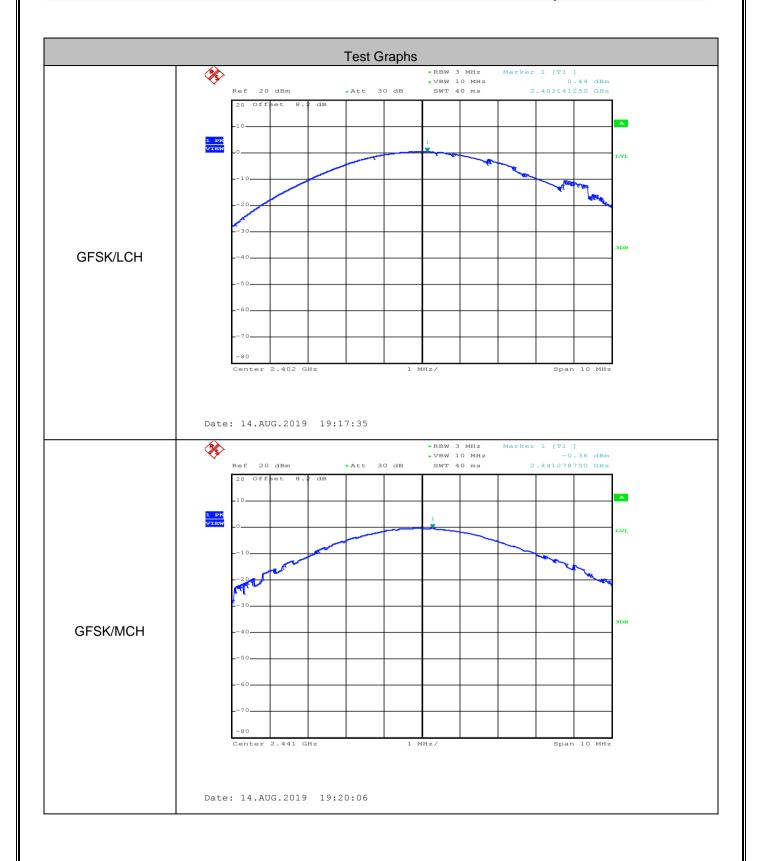
RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement) Product Name: Bluetooth Speaker with Wireless Charging Powerbank Trade Mark: N/A Test Model: XO-9833

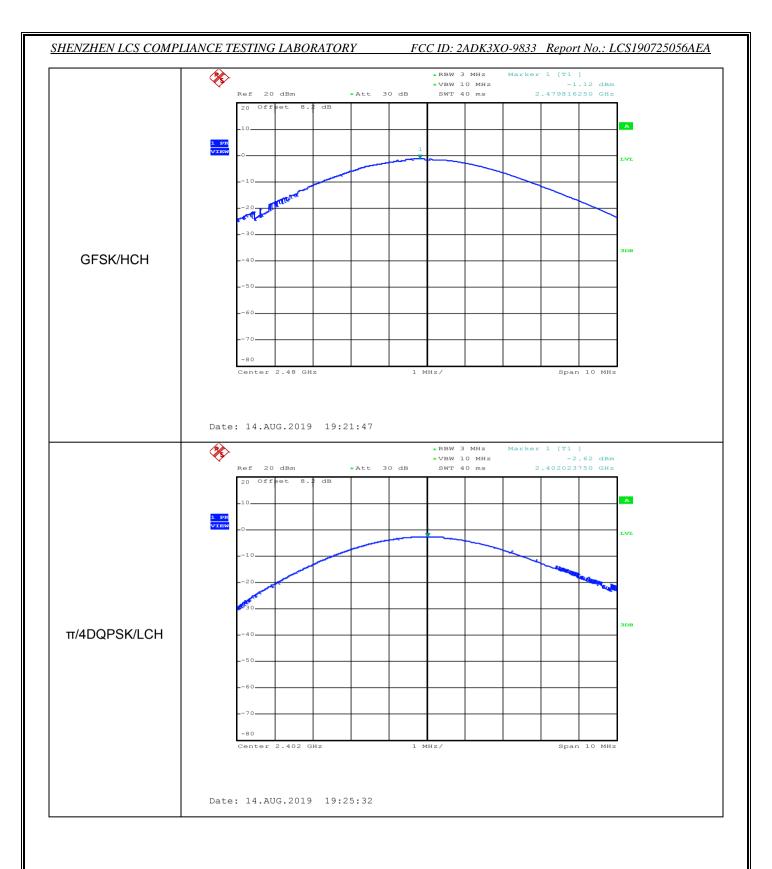
Environmental Conditions

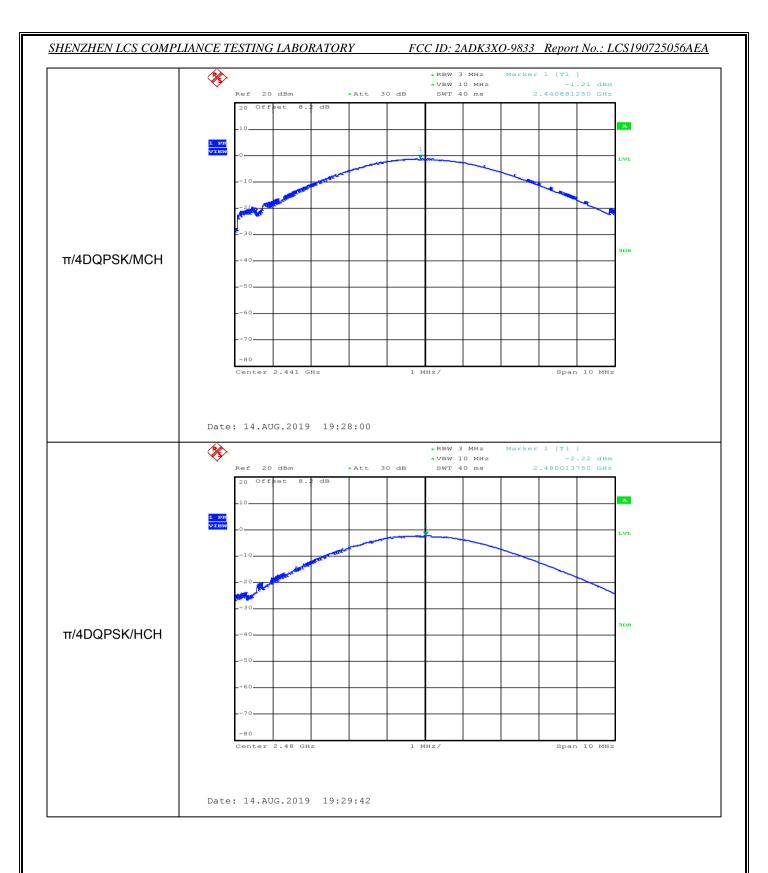
·	
Temperature:	25.2 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Wang.Chuang

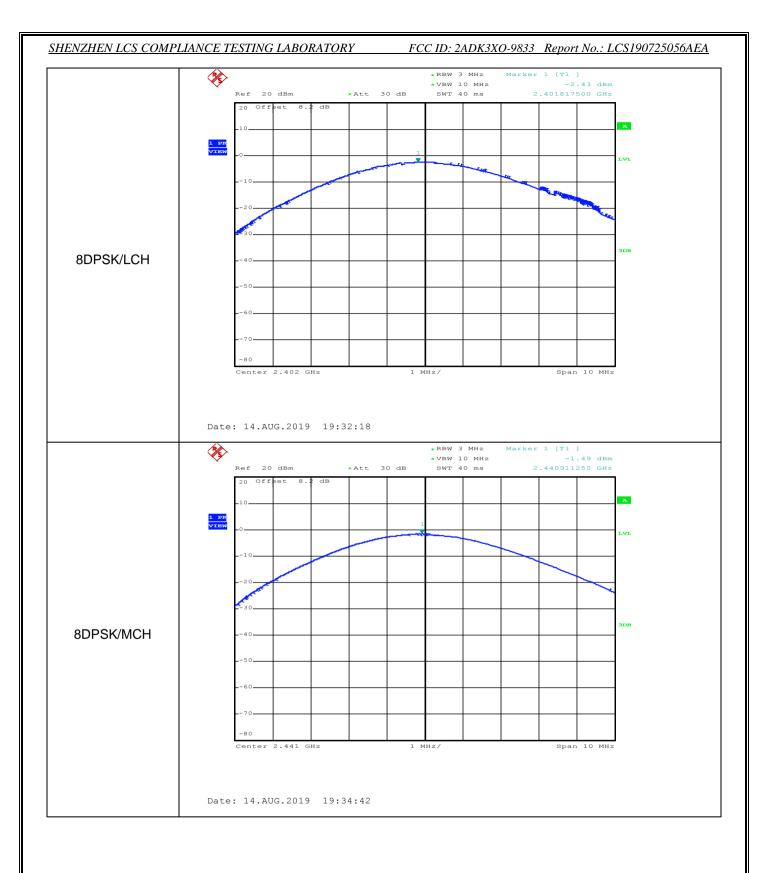
A.1 Maxmum Conducted Peak Output Power

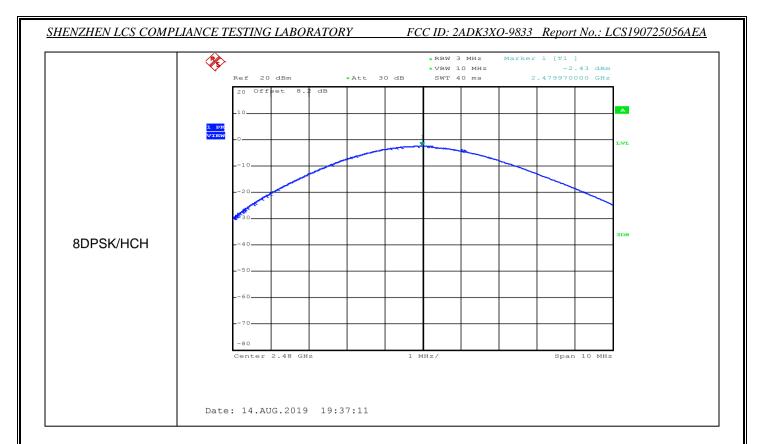
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.440	21	PASS
GFSK	MCH	-0.360	21	PASS
	НСН	-1.120	21	PASS
	LCH	-2.620	21	PASS
π/4DQPSK	MCH	-1.210	21	PASS
	НСН	-2.220	21	PASS
8DPSK	LCH	-2.430	21	PASS
	8DPSK MCH -1.490		21	PASS
	HCH	-2.430	21	PASS





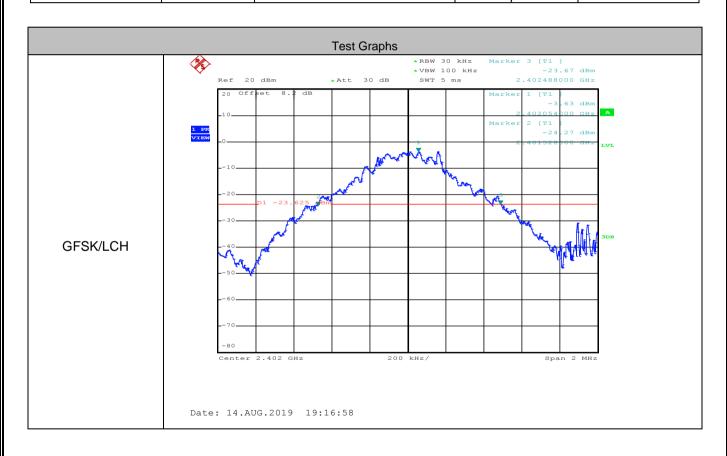


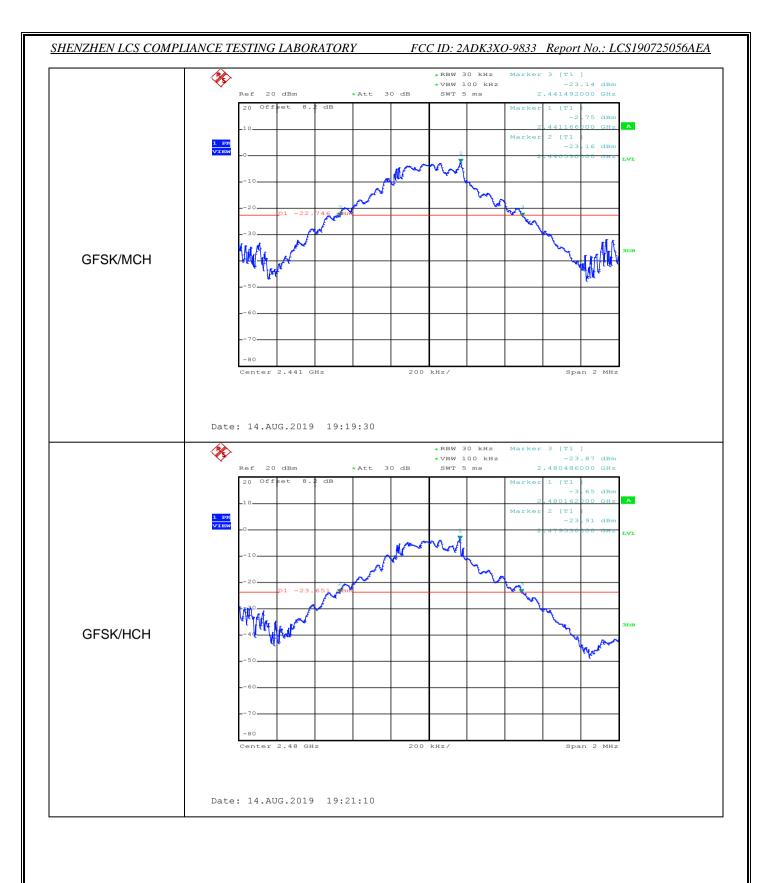


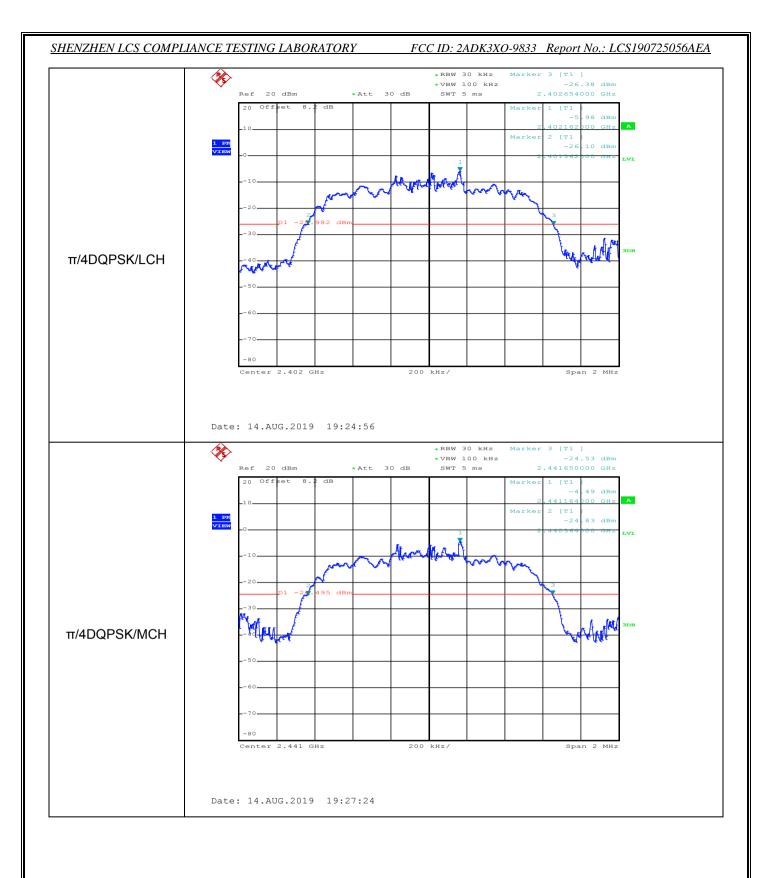


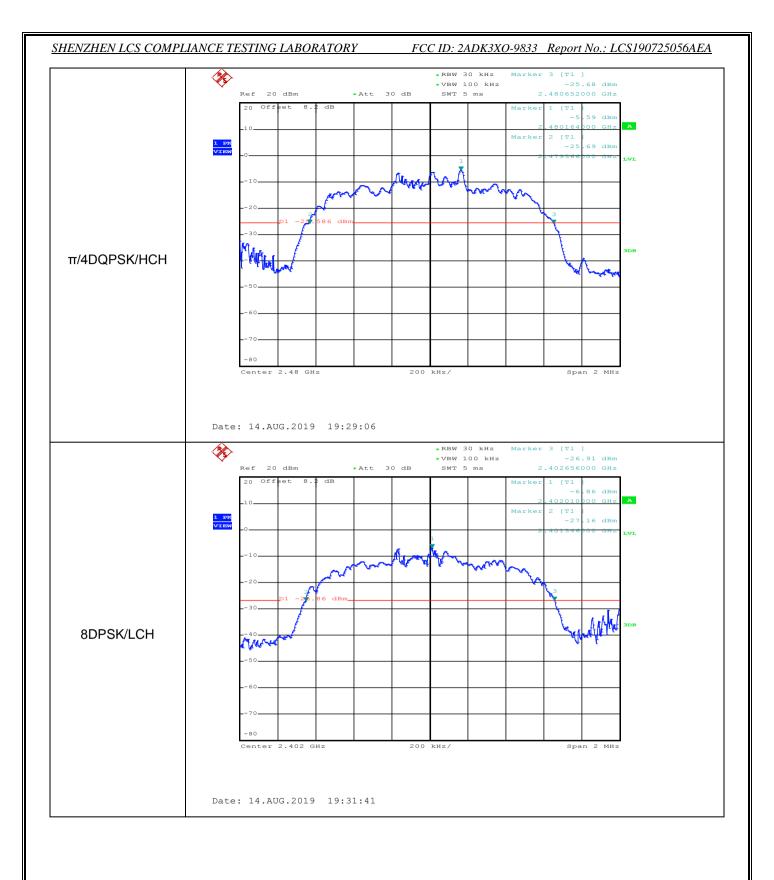
A.2 20dB Bandwidth

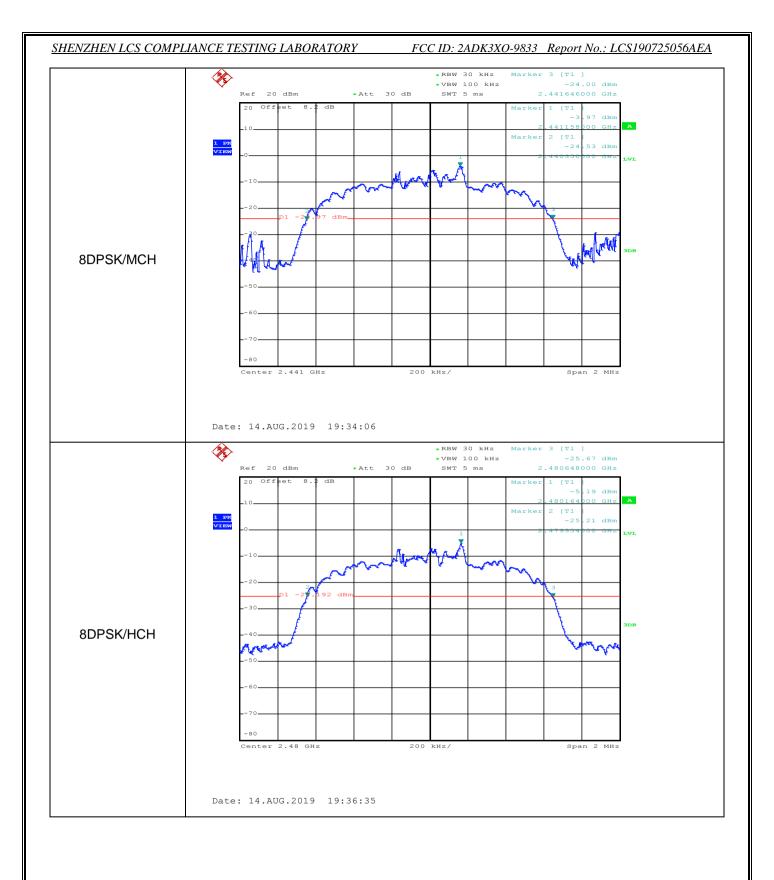
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.960	Not Specified	PASS
GFSK	MCH	0.962	Not Specified	PASS
	НСН	0.956	Not Specified	PASS
π/4DQPSK	LCH	1.292	Not Specified	PASS
	MCH	1.286	Not Specified	PASS
	НСН	1.286	Not Specified	PASS
	LCH	1.310	Not Specified	PASS
8DPSK	MCH	1.296	Not Specified	PASS
	НСН	1.294	Not Specified	PASS





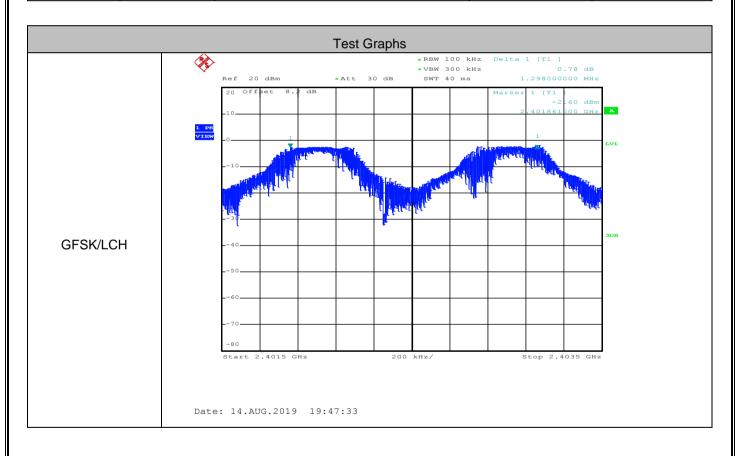


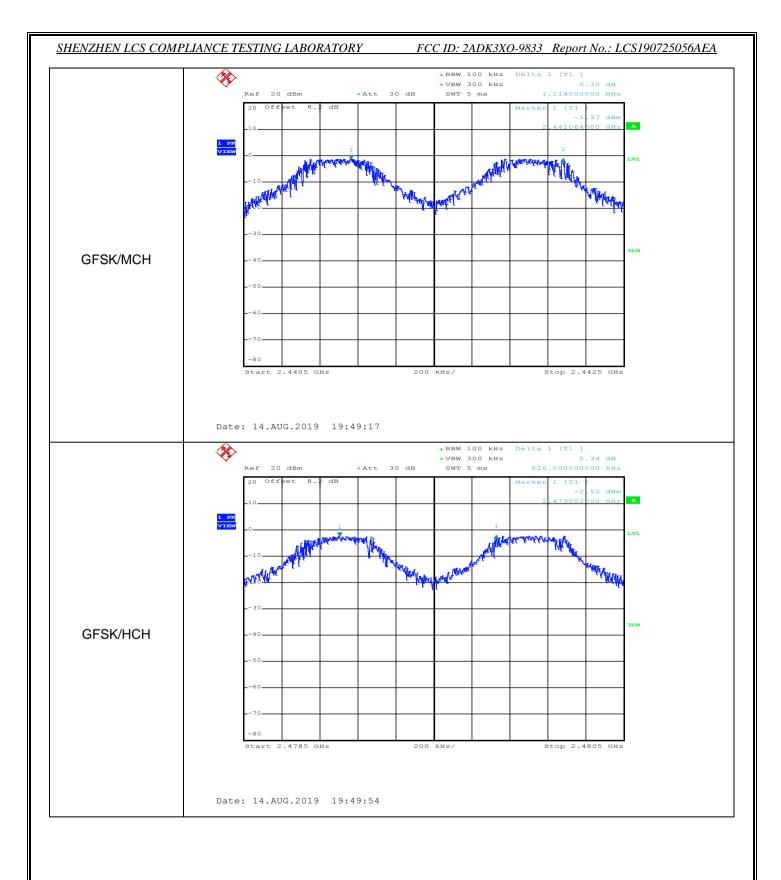


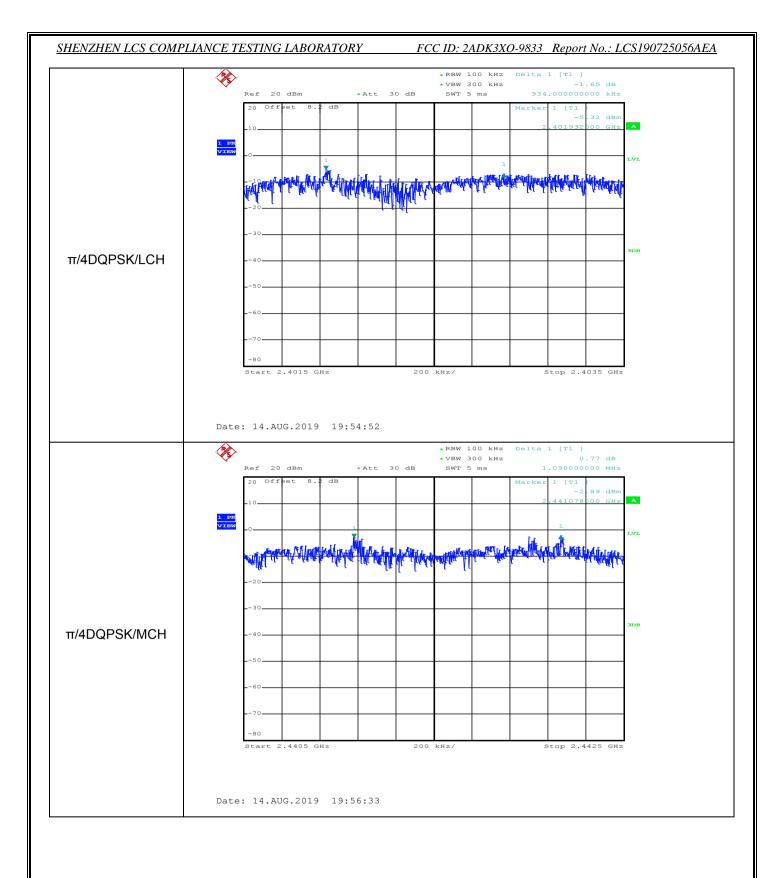


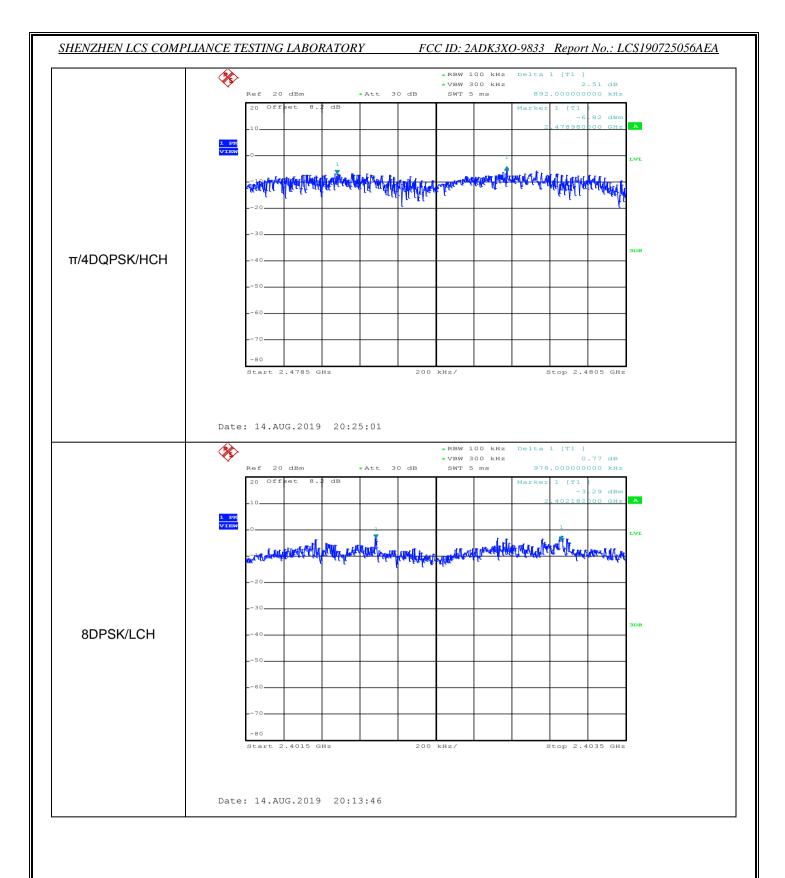
A.3 Carrier Frequency Separation

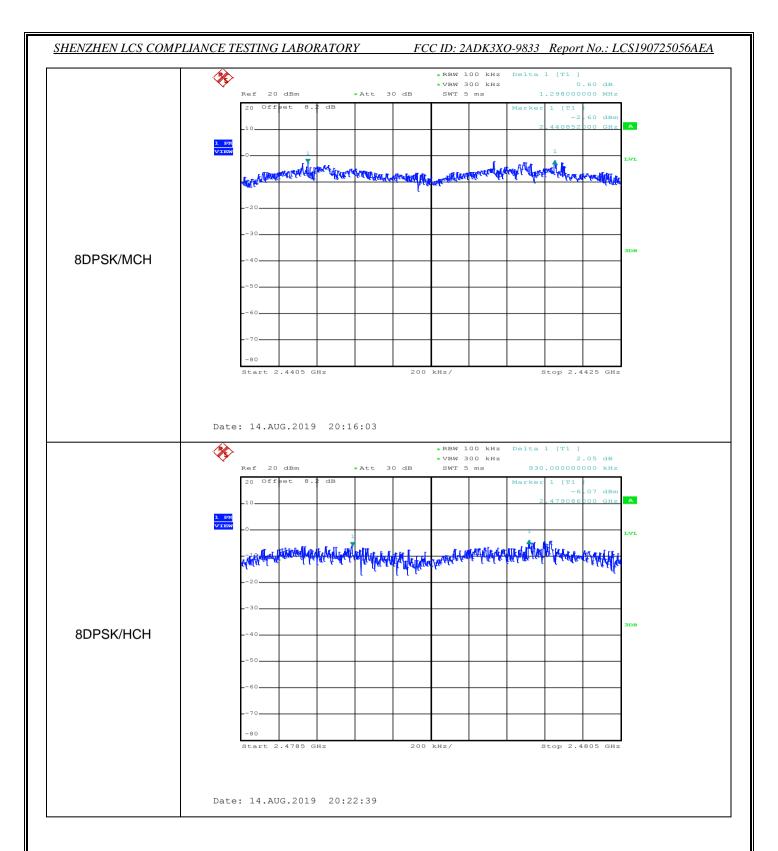
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.298	0.641	PASS
GFSK	MCH	1.114	0.641	PASS
	HCH	0.826	0.641	PASS
	LCH	0.934	0.861	PASS
π/4DQPSK	MCH	1.090	0.861	PASS
	HCH	0.892	0.861	PASS
	LCH	0.978	0.873	PASS
8DPSK	MCH	1.298	0.873	PASS
	HCH	0.930	0.873	PASS





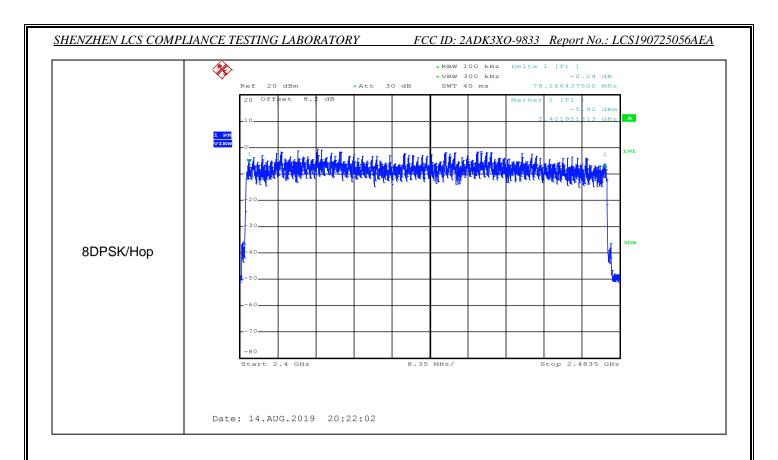






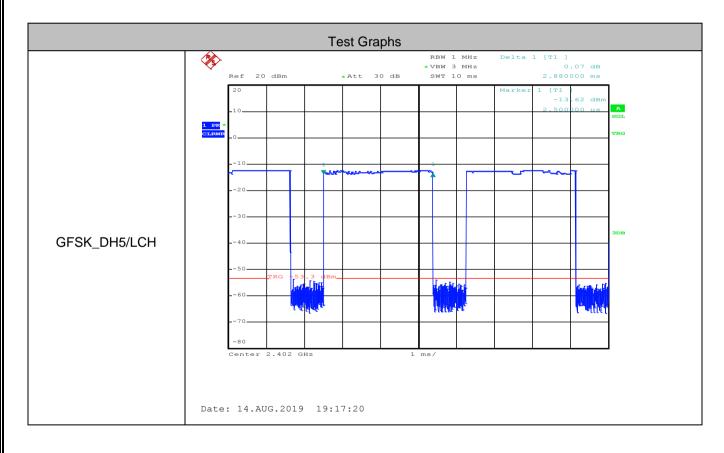
A.4 Hopping Channel Number

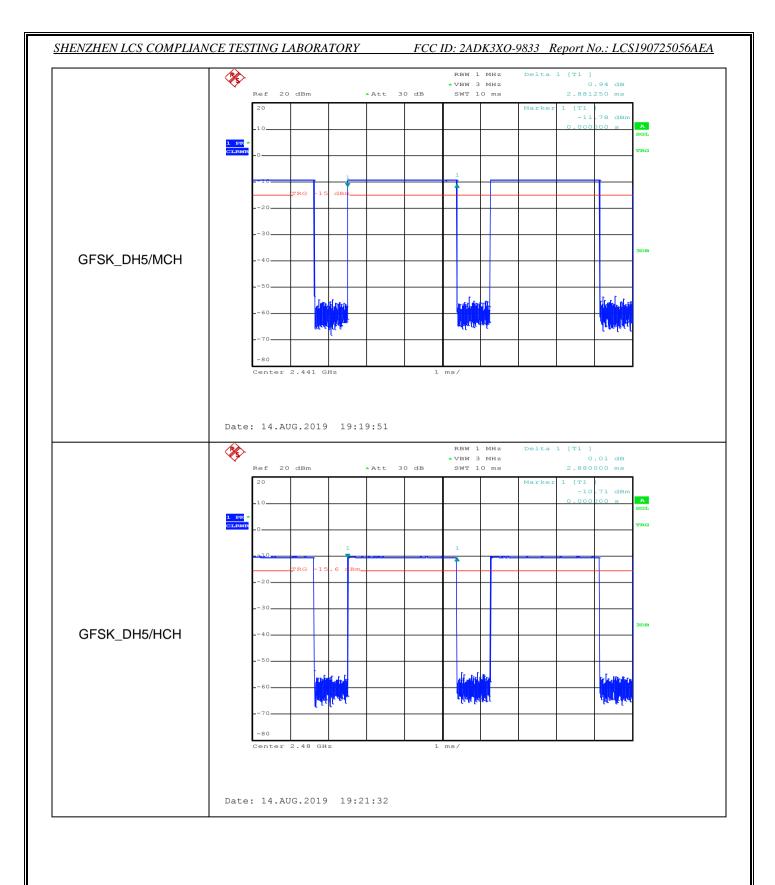
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

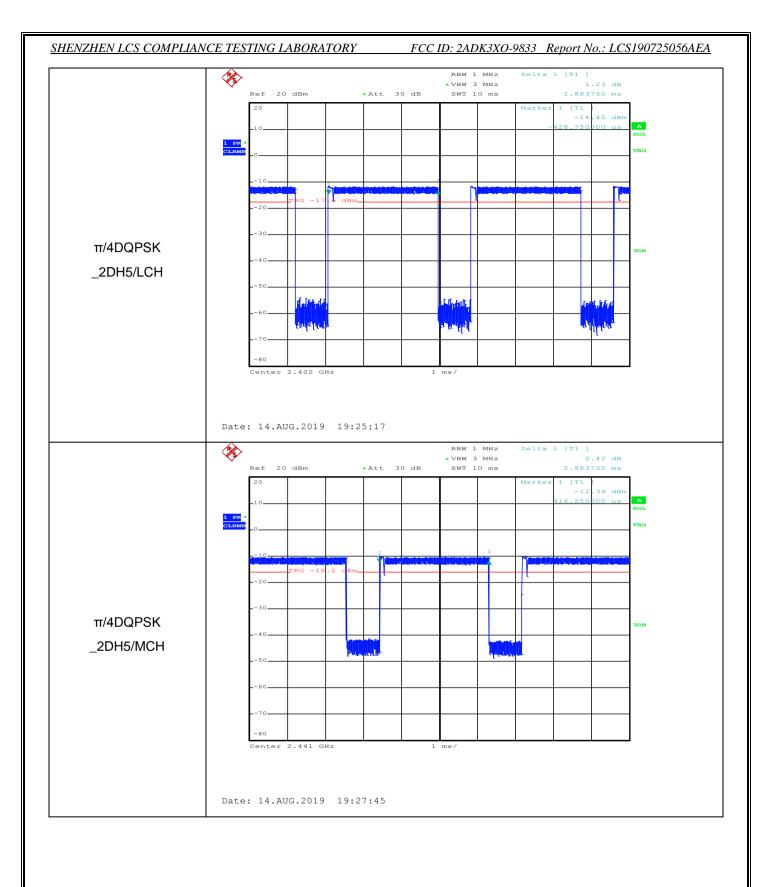


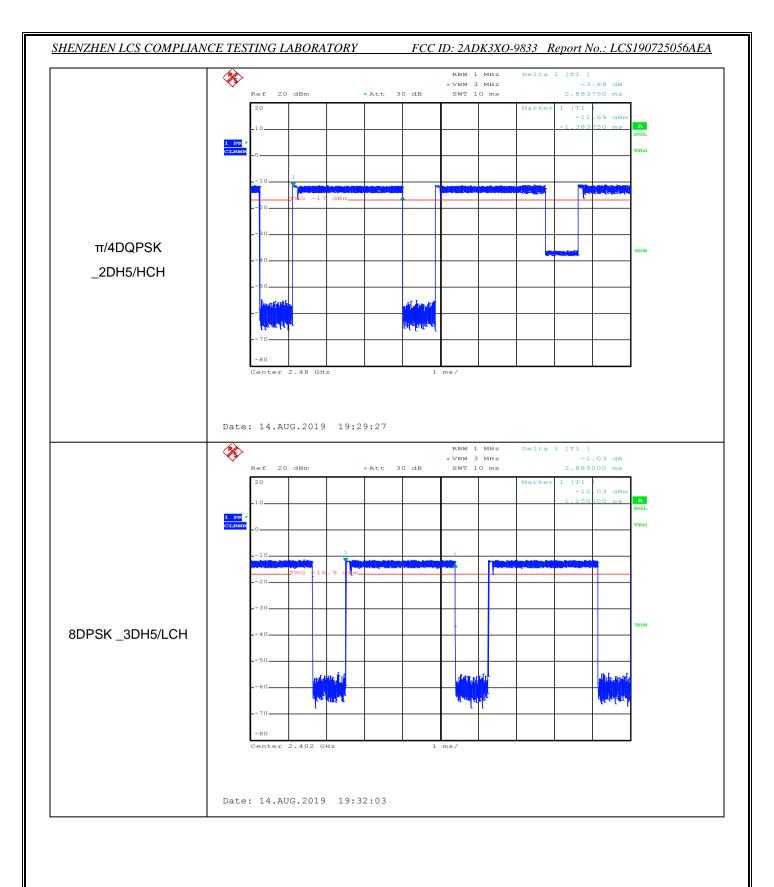
A.5 Dwell Time

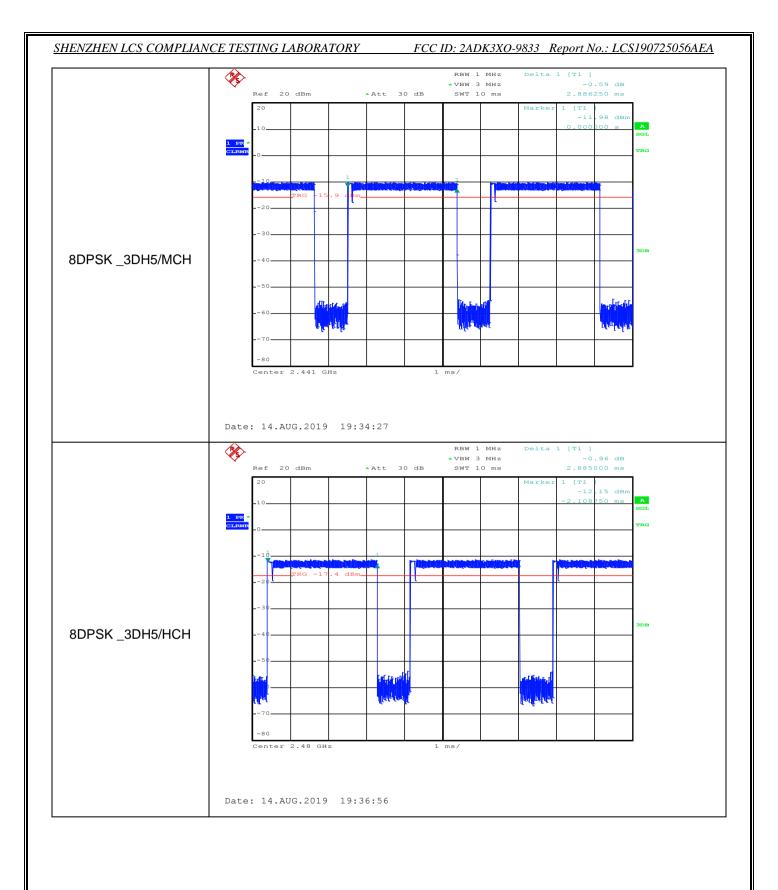
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
	3DH5	LCH	2.89	106.7	0.308	0.4	PASS
8DPSK	3DH5	MCH	2.89	106.7	0.308	0.4	PASS
	3DH5	HCH	2.89	106.7	0.308	0.4	PASS





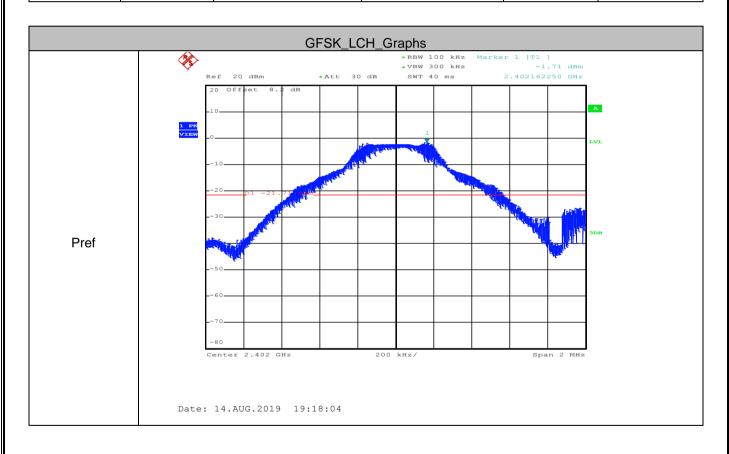


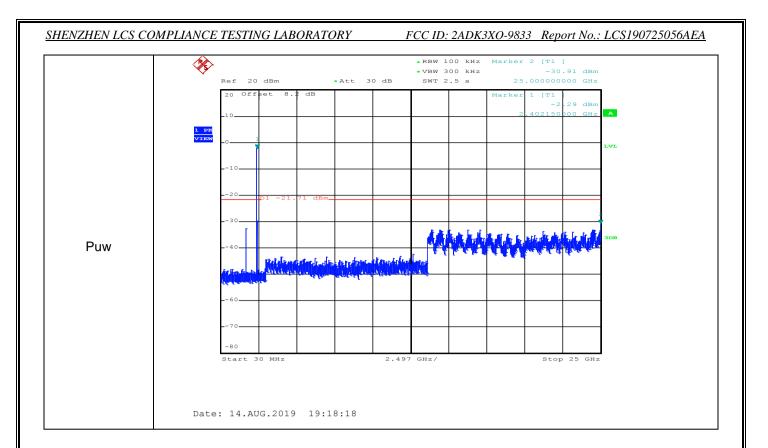


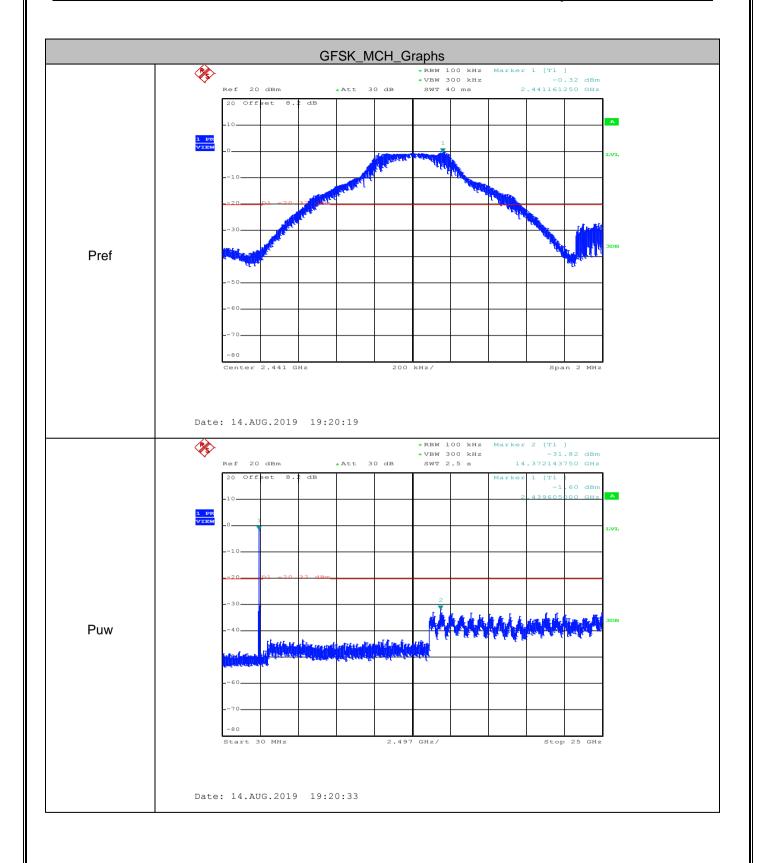


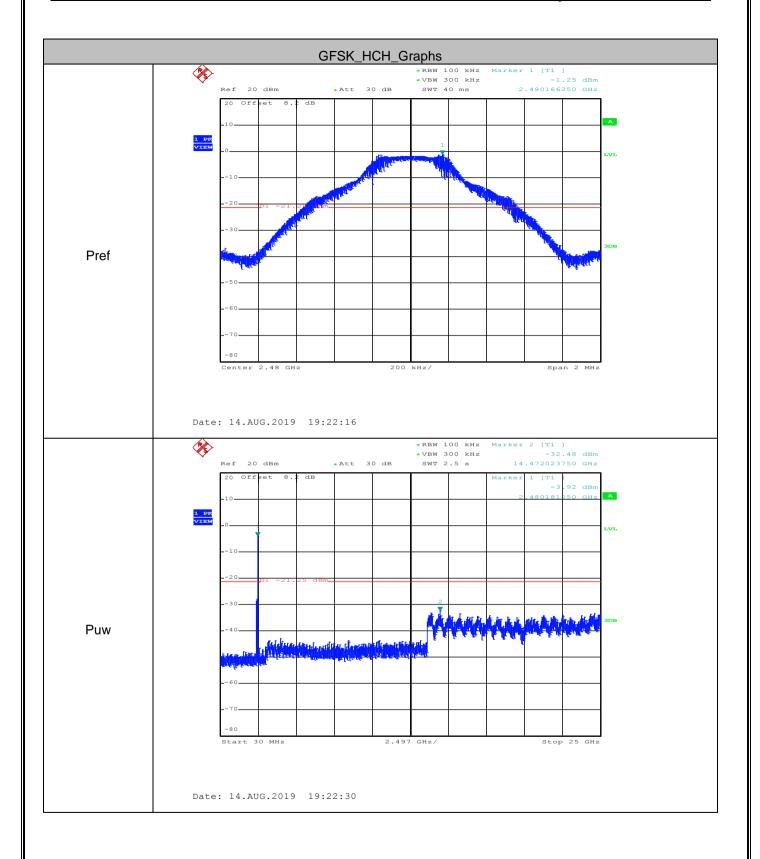
A.6 RF Conducted Spurious Emissions

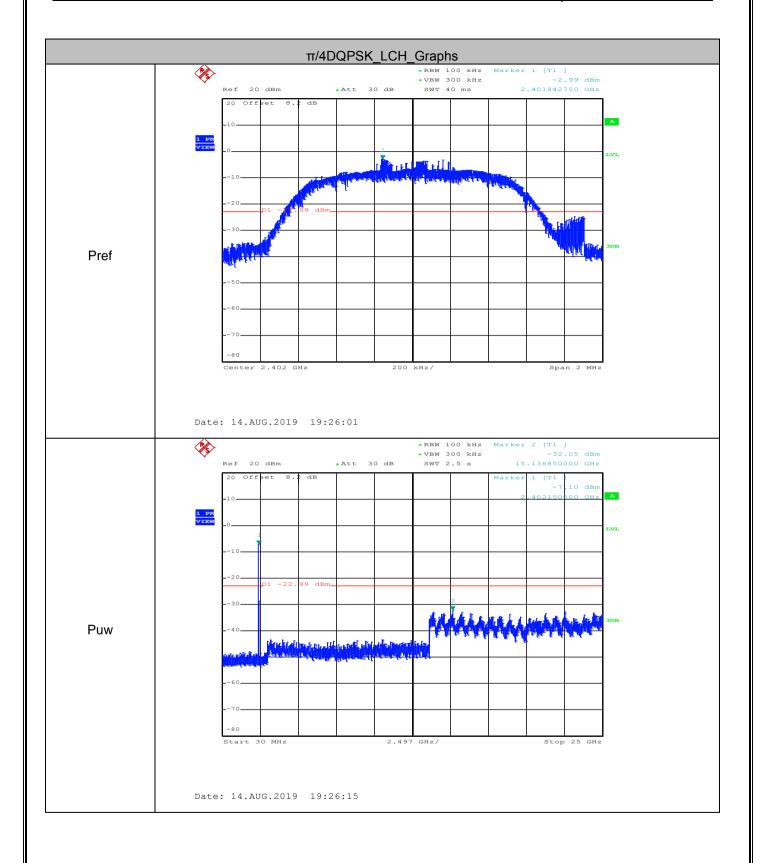
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.71	-30.910	-21.710	PASS
GFSK	MCH	-0.32	-31.820	-20.320	PASS
	НСН	-1.25	-32.480	-21.250	PASS
	LCH	-2.99	-32.050	-22.990	PASS
π/4DQPSK	MCH	-1.6	-32.260	-21.600	PASS
	НСН	-2.69	-31.900	-22.690	PASS
	LCH	-2.81	-32.020	-22.810	PASS
8DPSK	MCH	-1.95	-31.870	-21.950	PASS
	НСН	-2.98	-32.160	-22.980	PASS

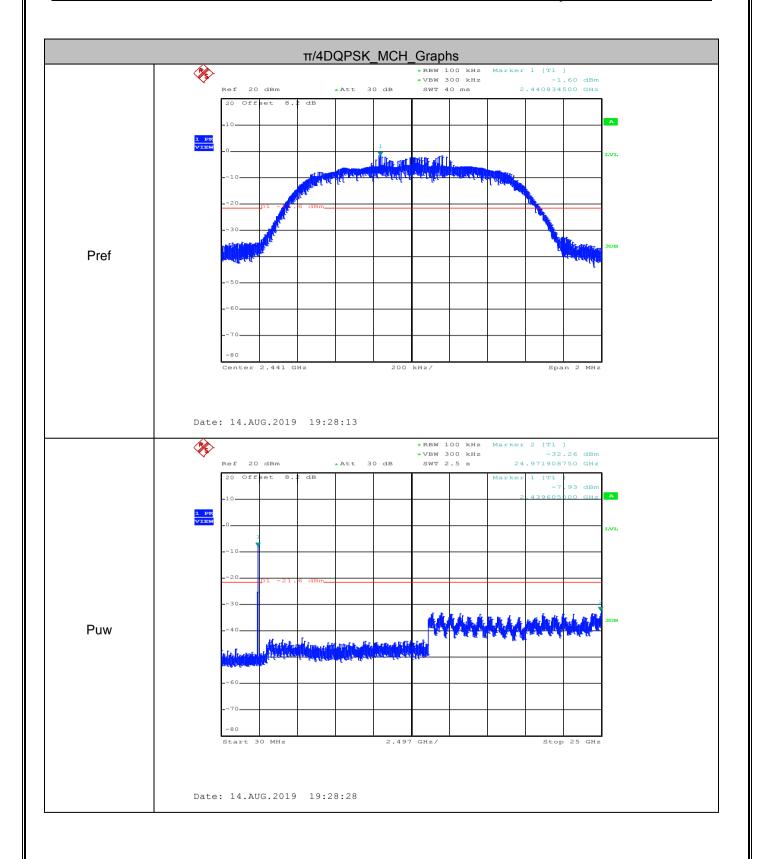


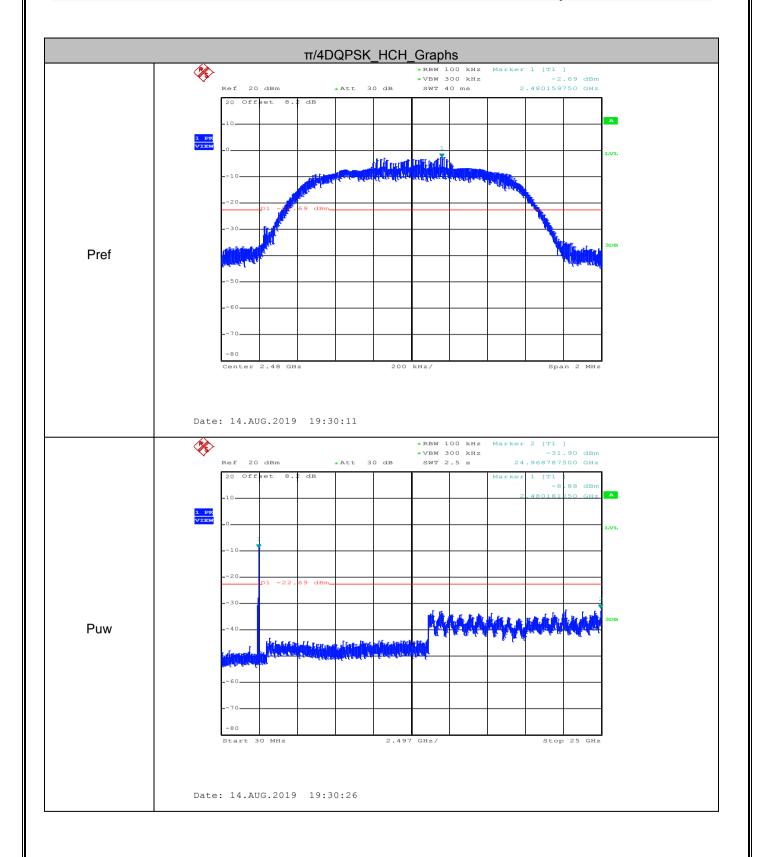


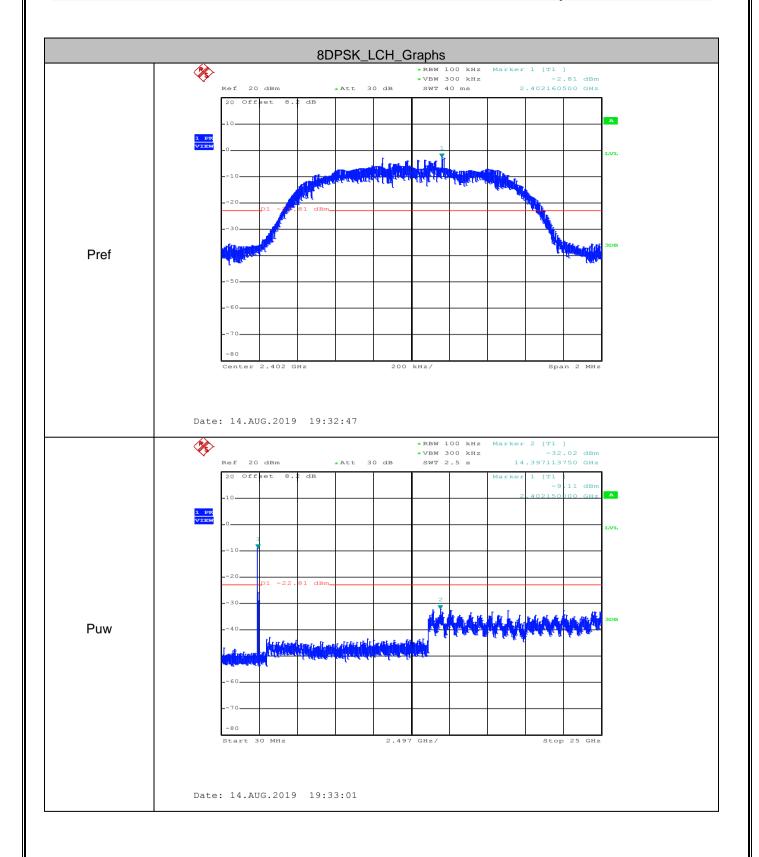


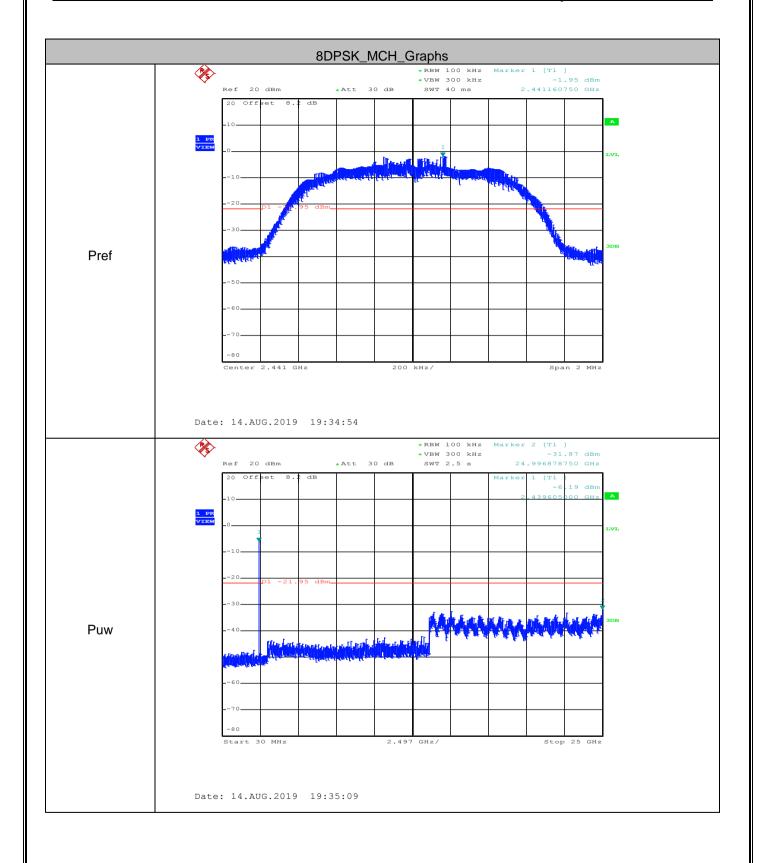


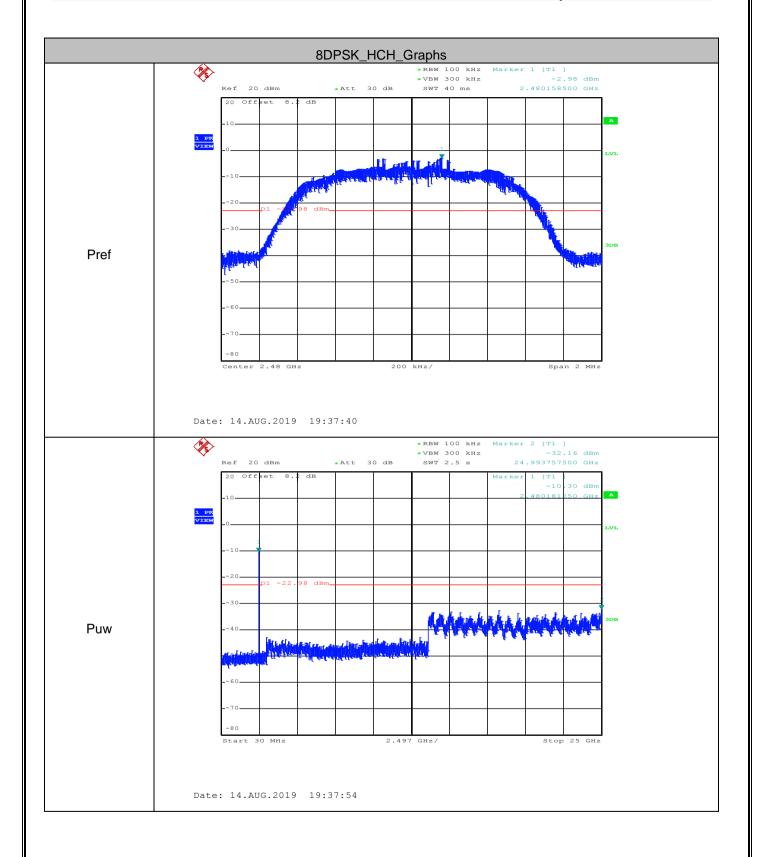






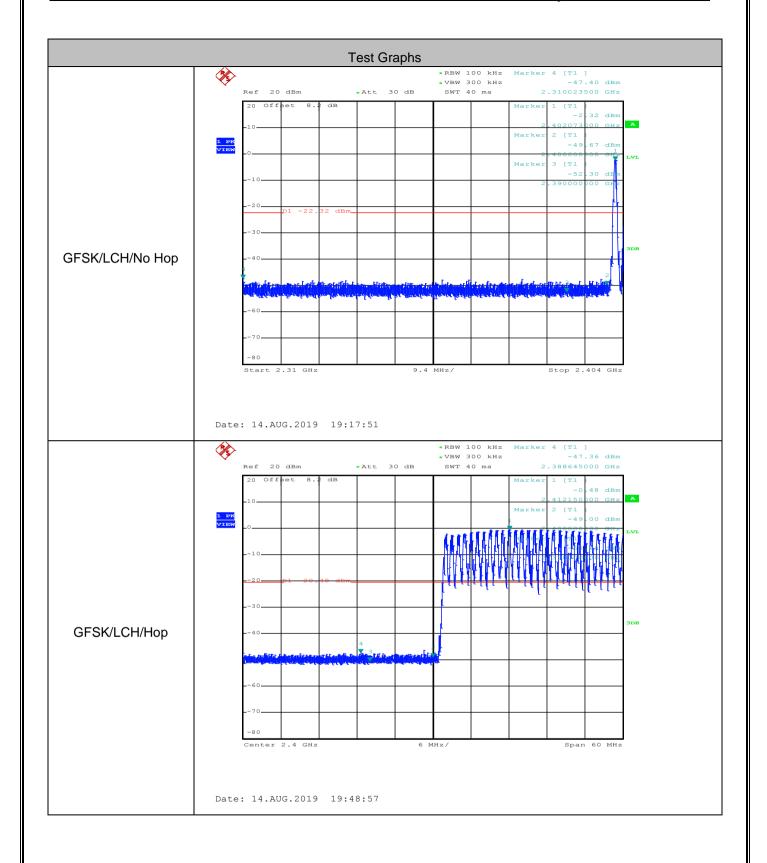


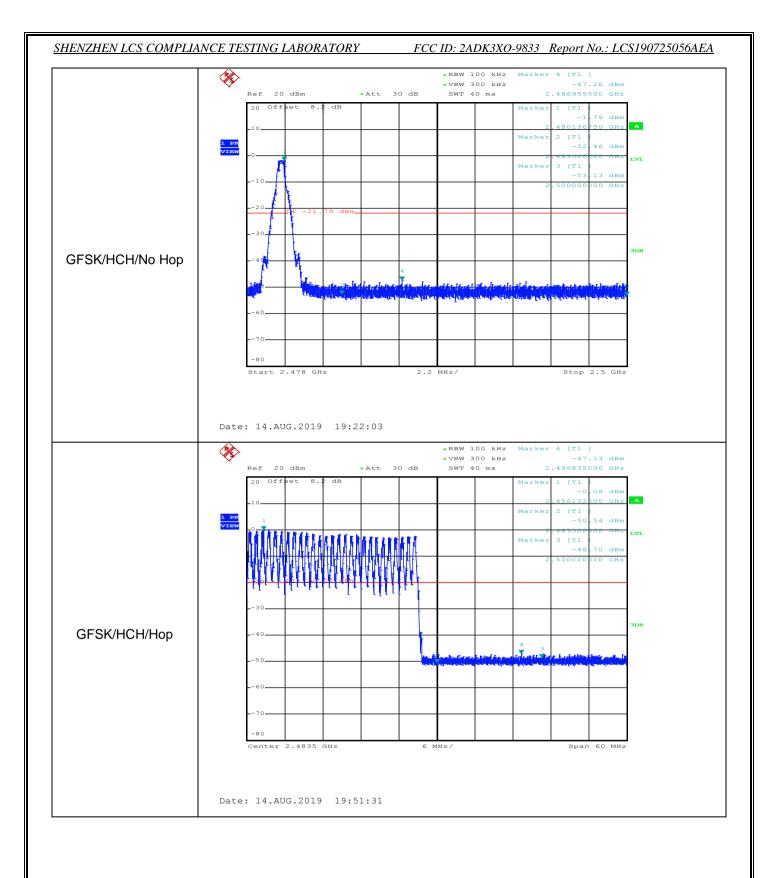


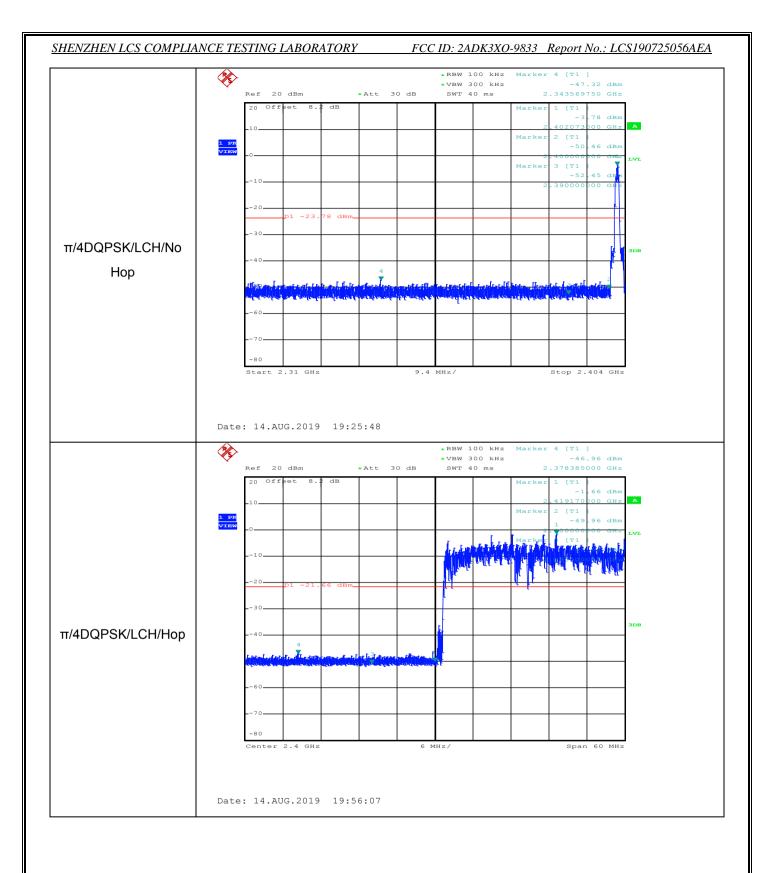


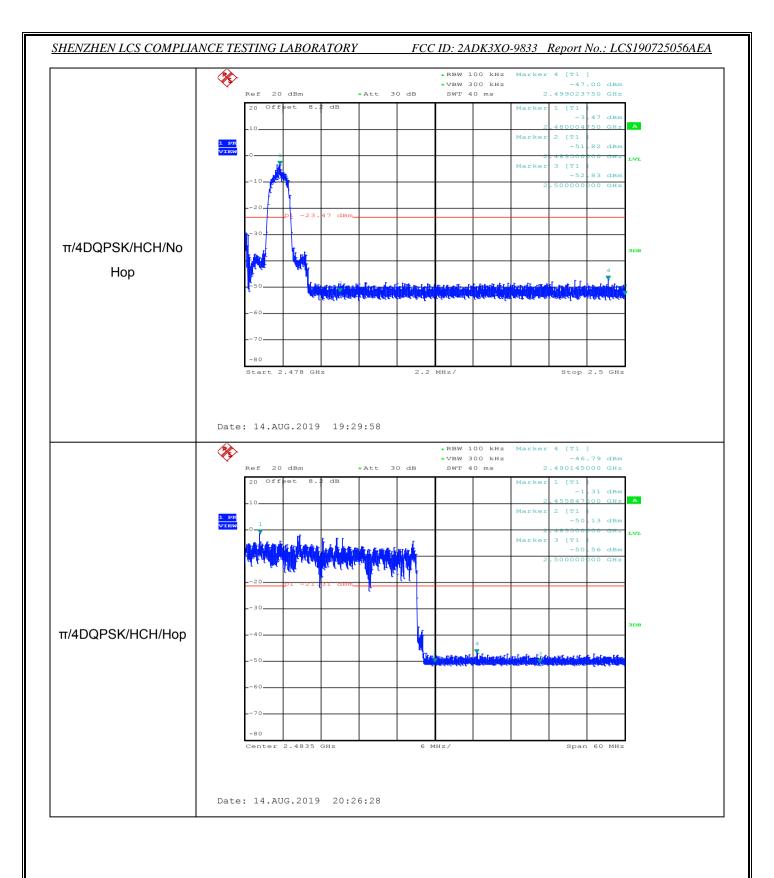
A.7 Band-edge for RF Conducted Emissions

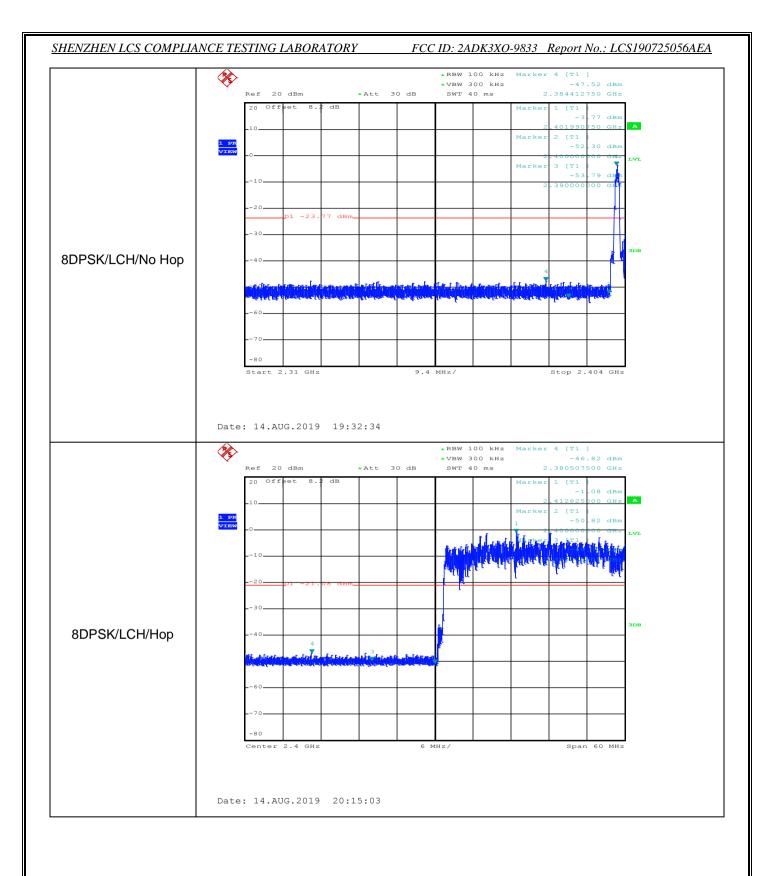
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-2.320	Off	-47.398	-22.32	PASS
05014	LCH	2402	-0.480	On	-47.355	-20.48	PASS
GFSK		2480	-1.790	Off	-47.261	-21.79	PASS
	HCH		-0.080	On	-47.126	-20.08	PASS
	LCH	2402	-3.780	Off	-47.321	-23.78	PASS
			-1.660	On	-46.959	-21.66	PASS
π/4DQPSK	НСН	2480	-3.470	Off	-47.001	-23.47	PASS
			-1.310	On	-46.788	-21.31	PASS
			-3.770	Off	-47.525	-23.77	PASS
	LCH	2402	-1.080	On	-46.817	-21.08	PASS
8DPSK			-3.000	Off	-47.001	-23	PASS
	HCH	2480	-1.600	On	-46.652	-21.6	PASS

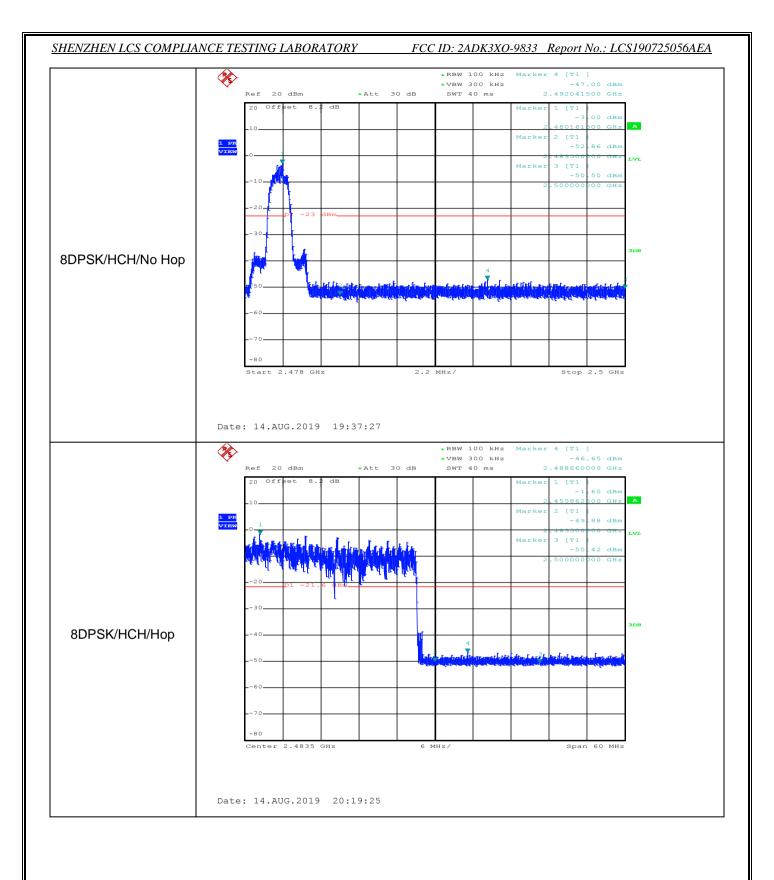






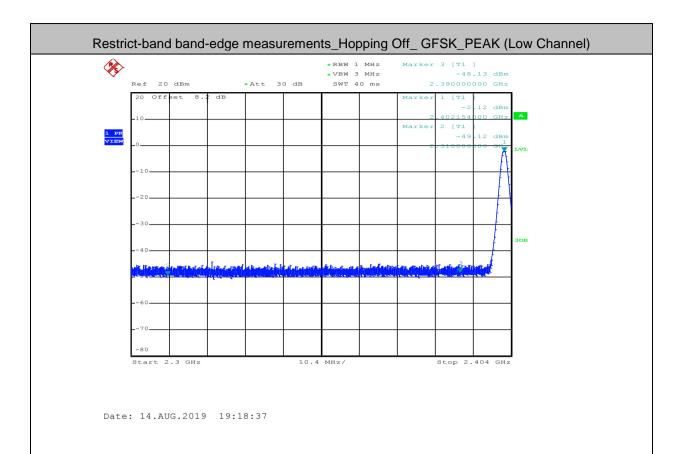




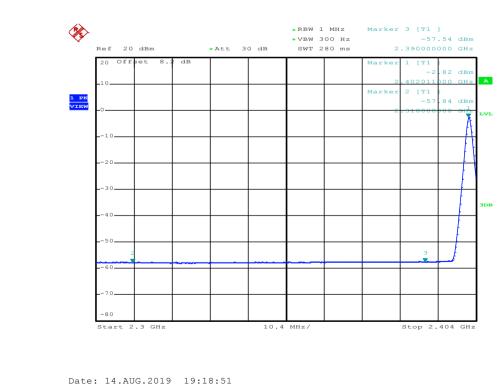


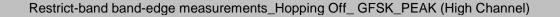
A.8 Restrict-band band-edge measurements

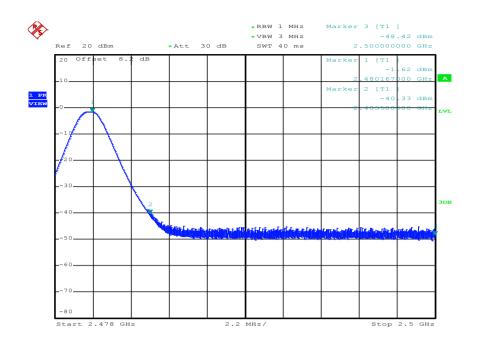
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-49.12	2.0	0	46.14	PEAK	74	PASS
	Off	2310.0	-57.84	2.0	0	37.42	AV	54	PASS
	Off	2390.0	-48.13	2.0	0	47.13	PEAK	74	PASS
	Off	2390.0	-57.54	2.0	0	37.72	AV	54	PASS
GFSK	Off	2483.5	-40.33	2.0	0	54.93	PEAK	74	PASS
	Off	2483.5	-44.60	2.0	0	50.66	AV	54	PASS
	Off	2500.0	-48.42	2.0	0	46.84	PEAK	74	PASS
	Off	2500.0	-58.03	2.0	0	37.23	AV	54	PASS
	Off	2310.0	-47.78	2.0	0	47.48	PEAK	74	PASS
	Off	2310.0	-57.81	2.0	0	37.45	AV	54	PASS
	Off	2390.0	-48.15	2.0	0	47.11	PEAK	74	PASS
	Off	2390.0	-57.57	2.0	0	37.69	AV	54	PASS
π/4DQPSK	Off	2483.5	-40.84	2.0	0	54.42	PEAK	74	PASS
	Off	2483.5	-46.73	2.0	0	48.53	AV	54	PASS
	Off	2500.0	-47.19	2.0	0	48.07	PEAK	74	PASS
	Off	2500.0	-58.13	2.0	0	37.13	AV	54	PASS
	Off	2310.0	-48.27	2.0	0	46.99	PEAK	74	PASS
	Off	2310.0	-57.77	2.0	0	37.49	AV	54	PASS
	Off	2390.0	-48.57	2.0	0	46.69	PEAK	74	PASS
	Off	2390.0	-57.41	2.0	0	37.85	AV	54	PASS
8DPSK	Off	2483.5	-41.43	2.0	0	53.83	PEAK	74	PASS
	Off	2483.5	-47.22	2.0	0	48.04	AV	54	PASS
	Off	2500.0	-47.57	2.0	0	47.69	PEAK	74	PASS
	Off	2500.0	-58.08	2.0	0	37.18	AV	54	PASS



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

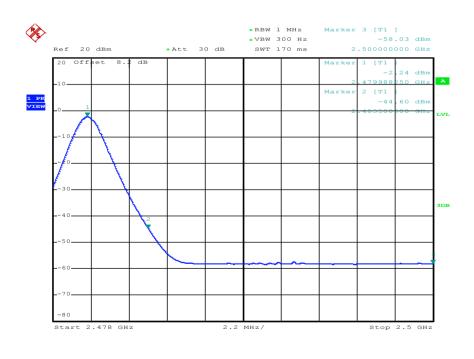






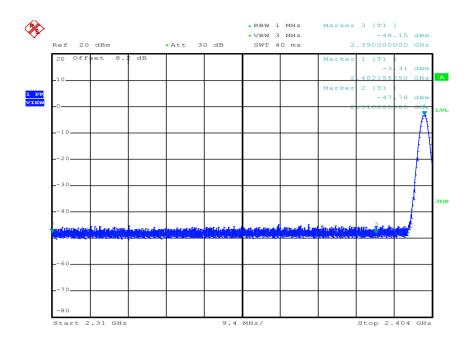
Date: 14.AUG.2019 19:22:49

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



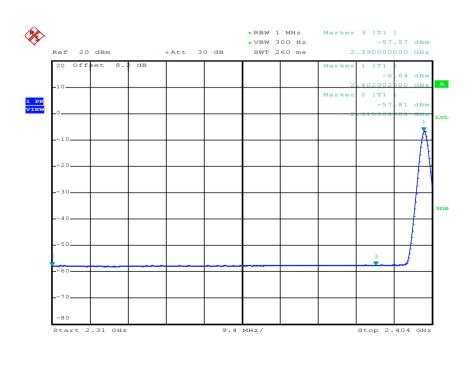
Date: 14.AUG.2019 19:23:02





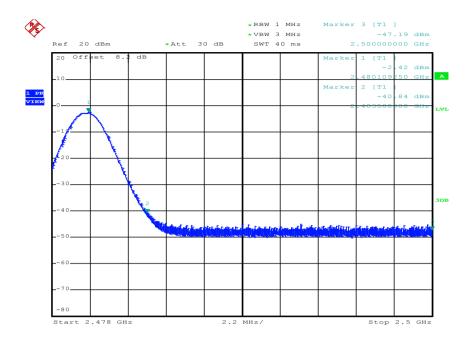
Date: 14.AUG.2019 19:26:34

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



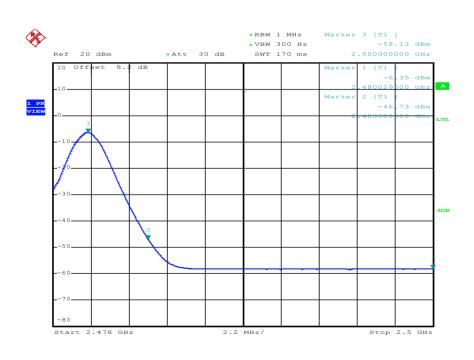
Date: 14.AUG.2019 19:26:47

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

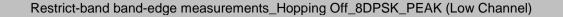


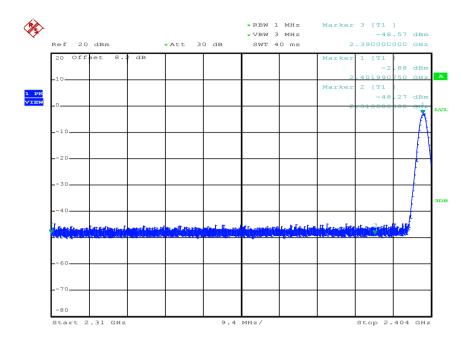
Date: 14.AUG.2019 19:30:44

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



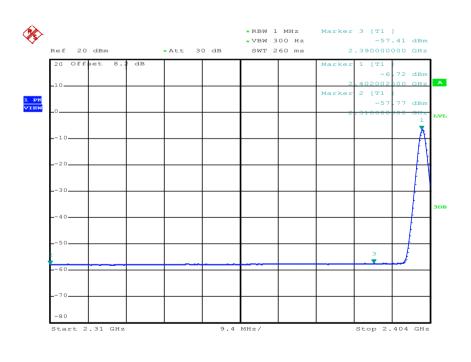
Date: 14.AUG.2019 19:30:57



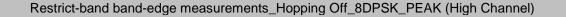


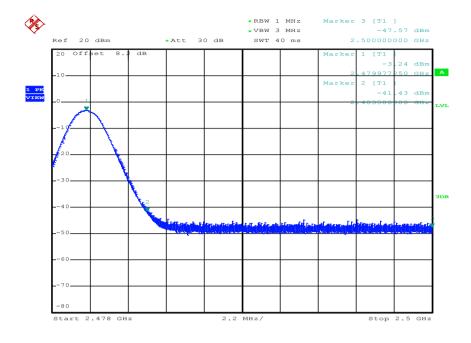
Date: 14.AUG.2019 19:33:20

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



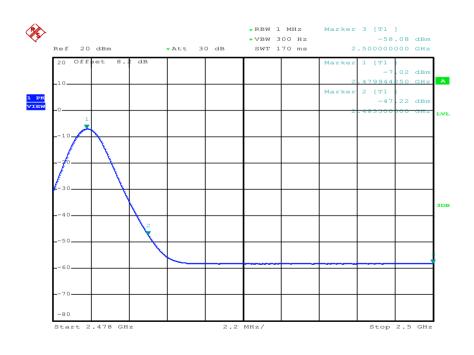
Date: 14.AUG.2019 19:33:33





Date: 14.AUG.2019 19:38:13

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



Date: 14.AUG.2019 19:38:26