Appendix A

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

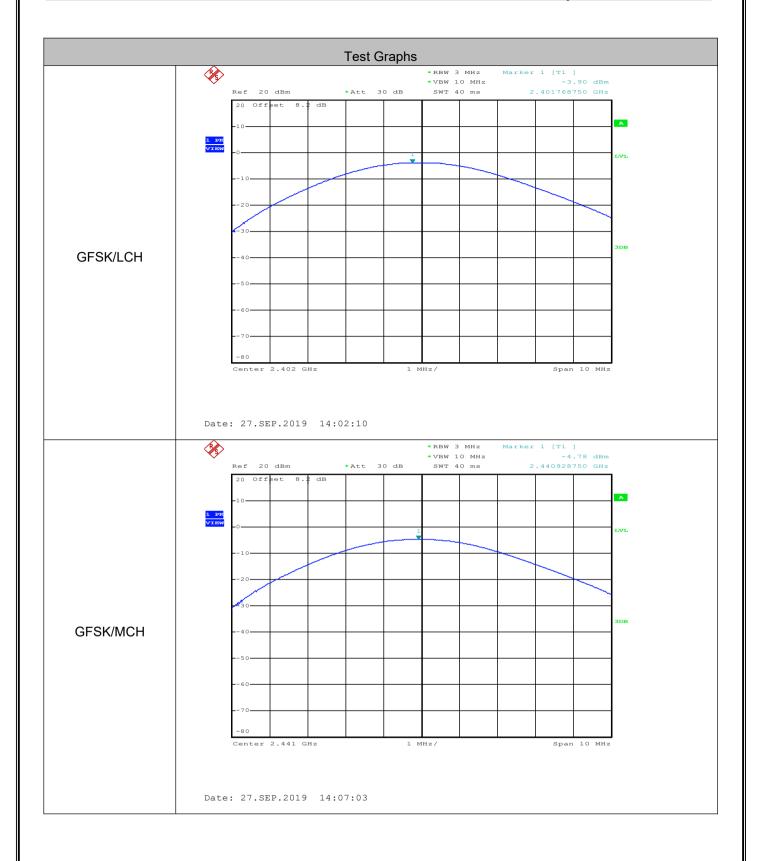
Product Name: Speaker Trade Mark: SUPERSONIC Test Model: SC-1197BT

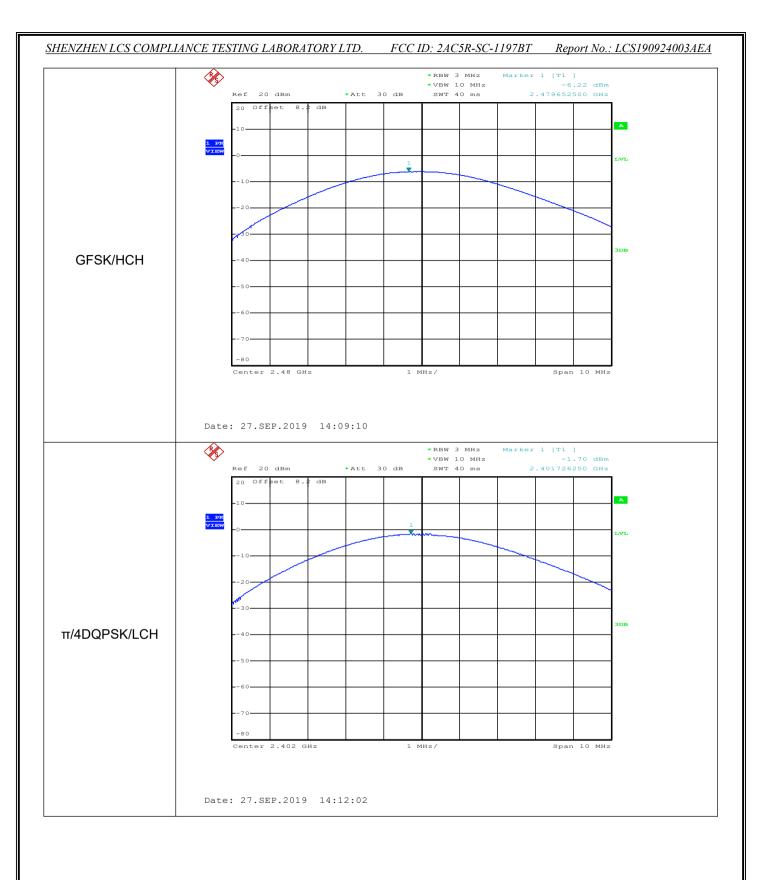
Environmental Conditions

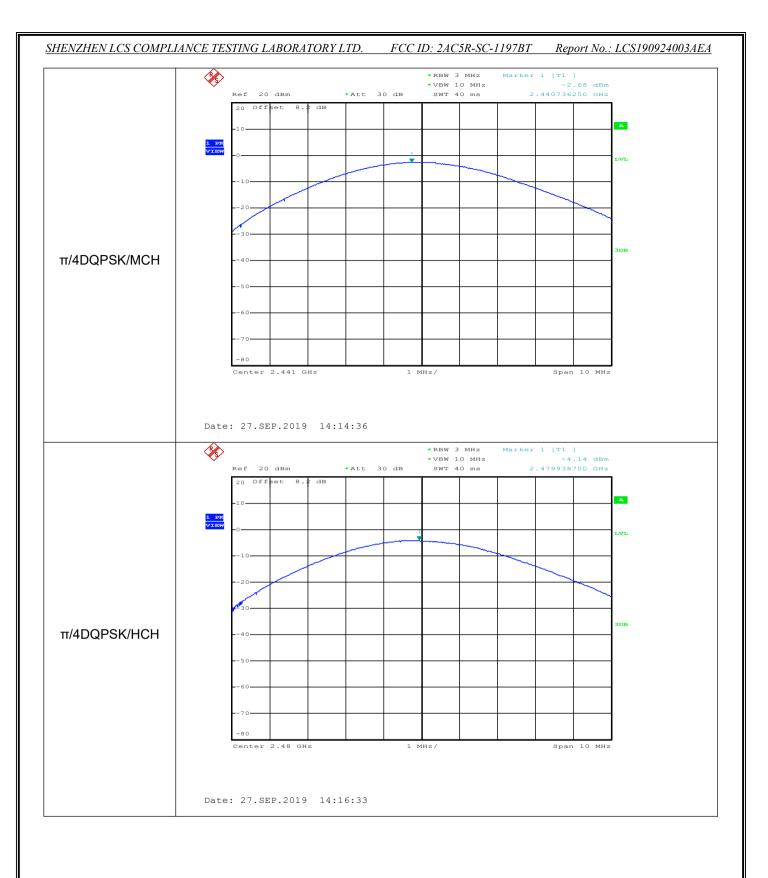
Temperature:	23.3 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Wang.Chuang

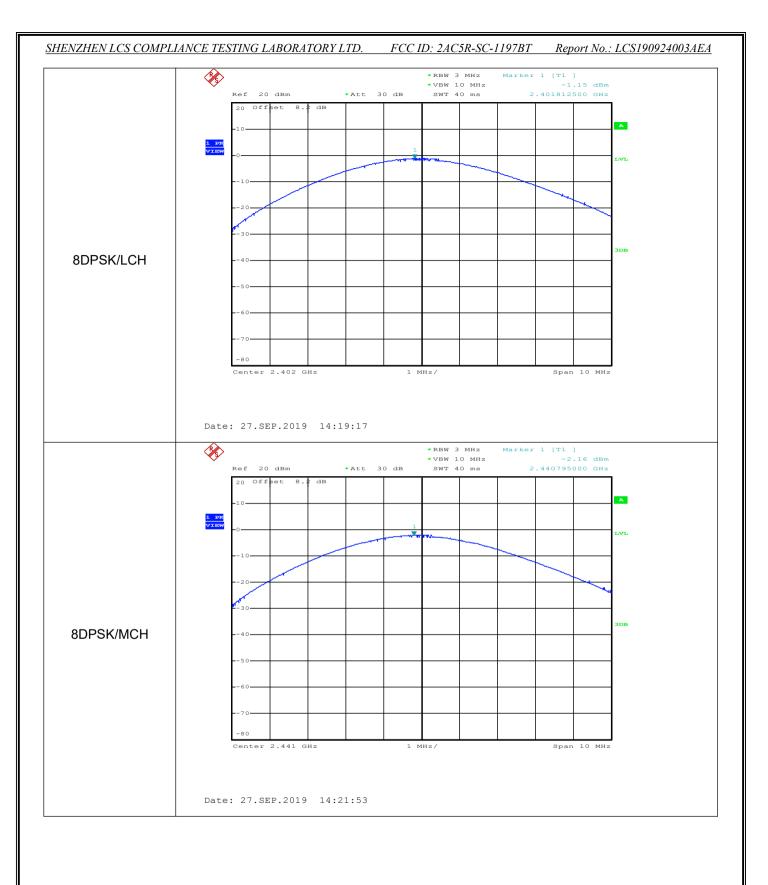
A.1 Maxmum Conducted Peak Output Power

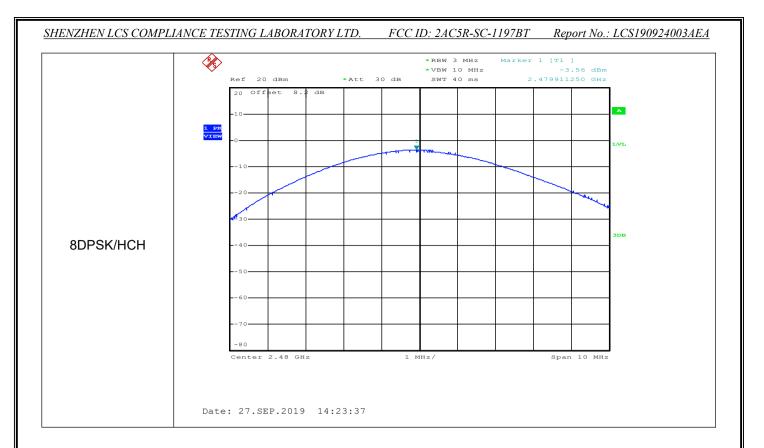
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-3.900	21	PASS
GFSK	МСН	-4.780	21	PASS
	нсн	-6.220	21	PASS
	LCH	-1.700	21	PASS
π/4DQPSK	MCH	-2.680	21	PASS
	НСН	-4.140	21	PASS
	LCH	-1.150	21	PASS
8DPSK	DPSK MCH -2.160		21	PASS
	НСН	-3.560	21	PASS





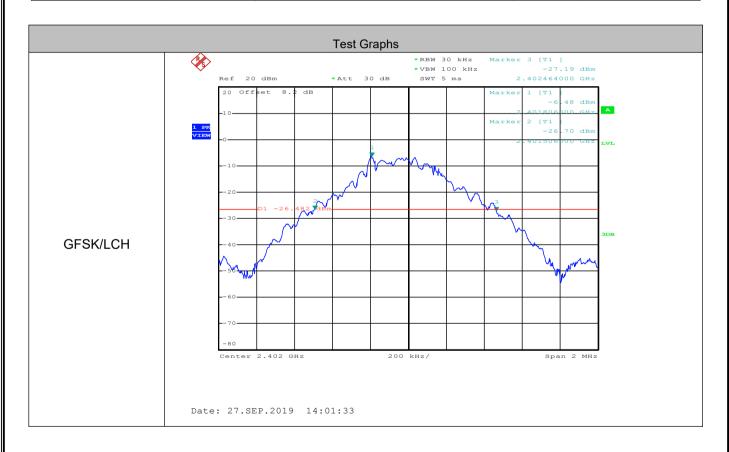


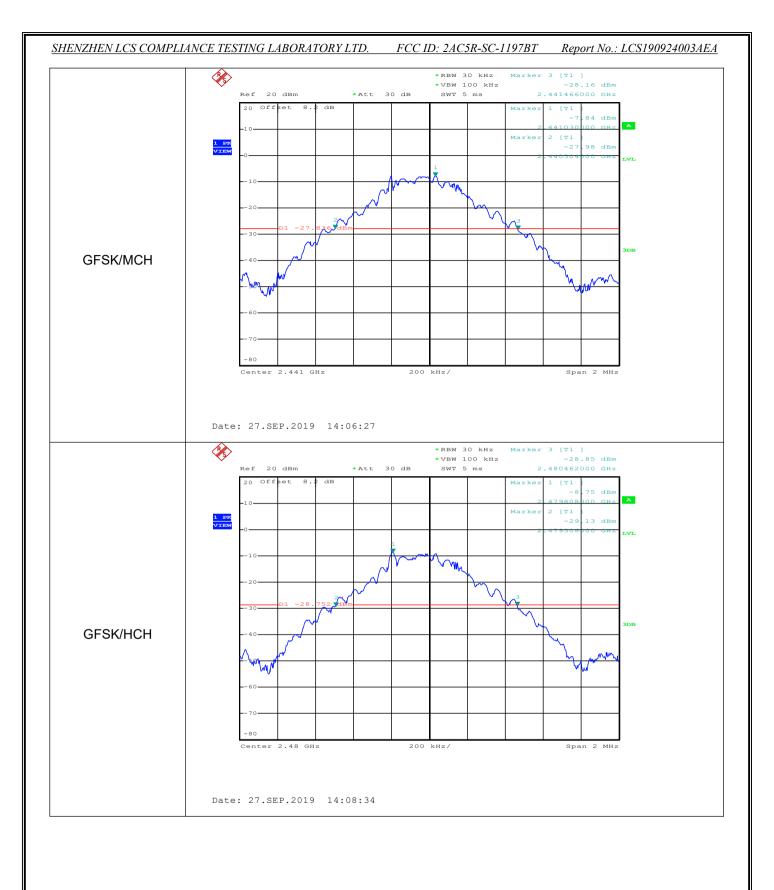


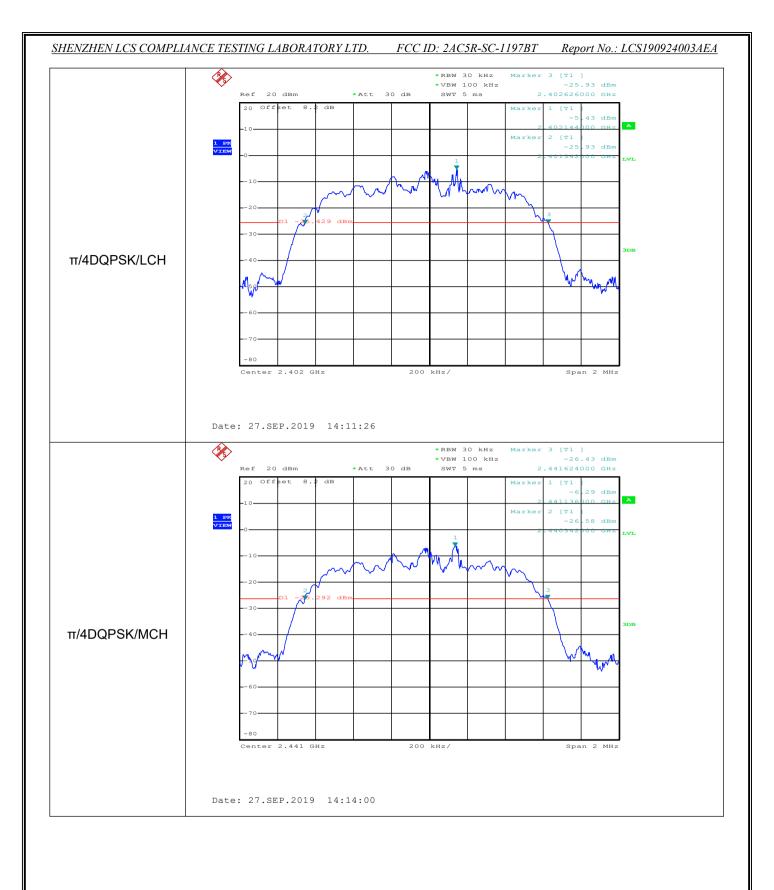


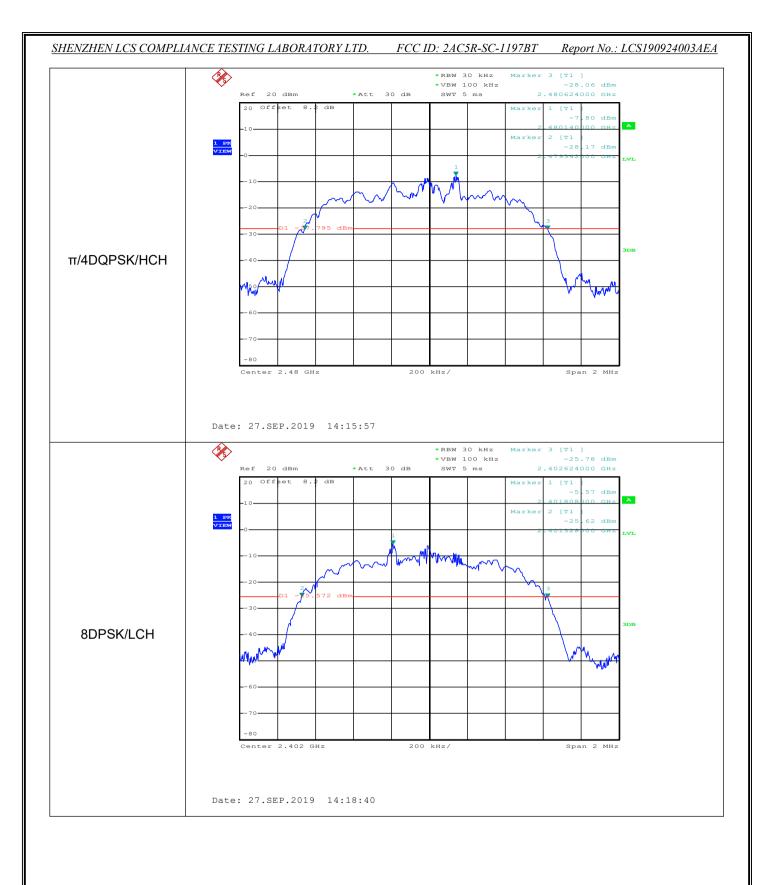
A.2 20dB Bandwidth

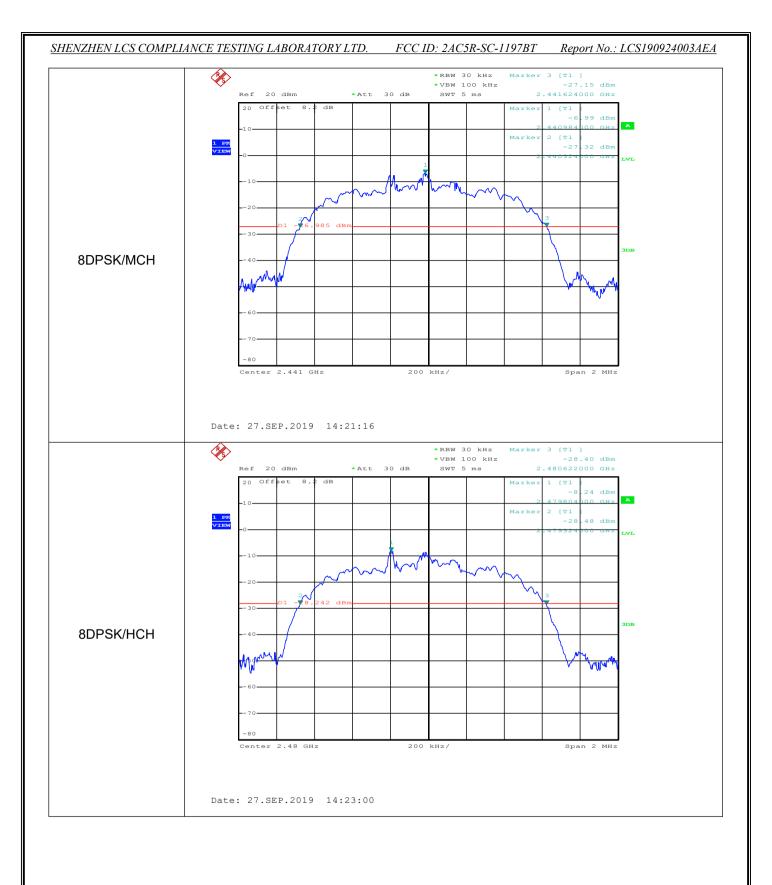
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.958	Not Specified	PASS
GFSK	МСН	0.962	Not Specified	PASS
	НСН	0.956	Not Specified	PASS
	LCH	1.284	Not Specified	PASS
π/4DQPSK	MCH	1.282	Not Specified	PASS
	НСН	1.282	Not Specified	PASS
	LCH	1.296	Not Specified	PASS
8DPSK	MCH	1.300	Not Specified	PASS
	НСН	1.298	Not Specified	PASS





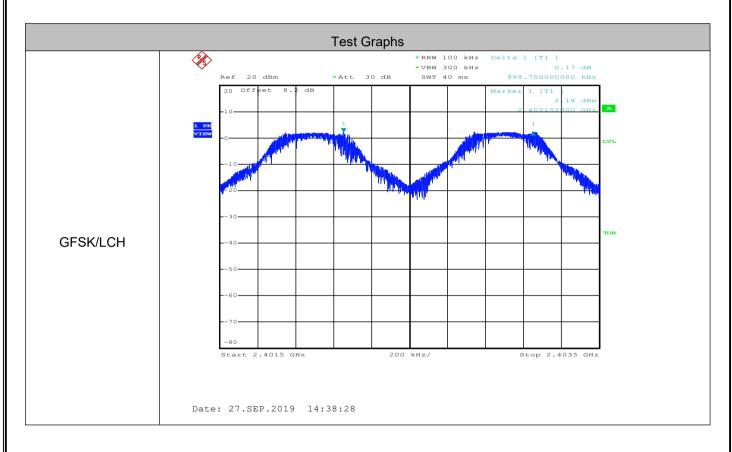


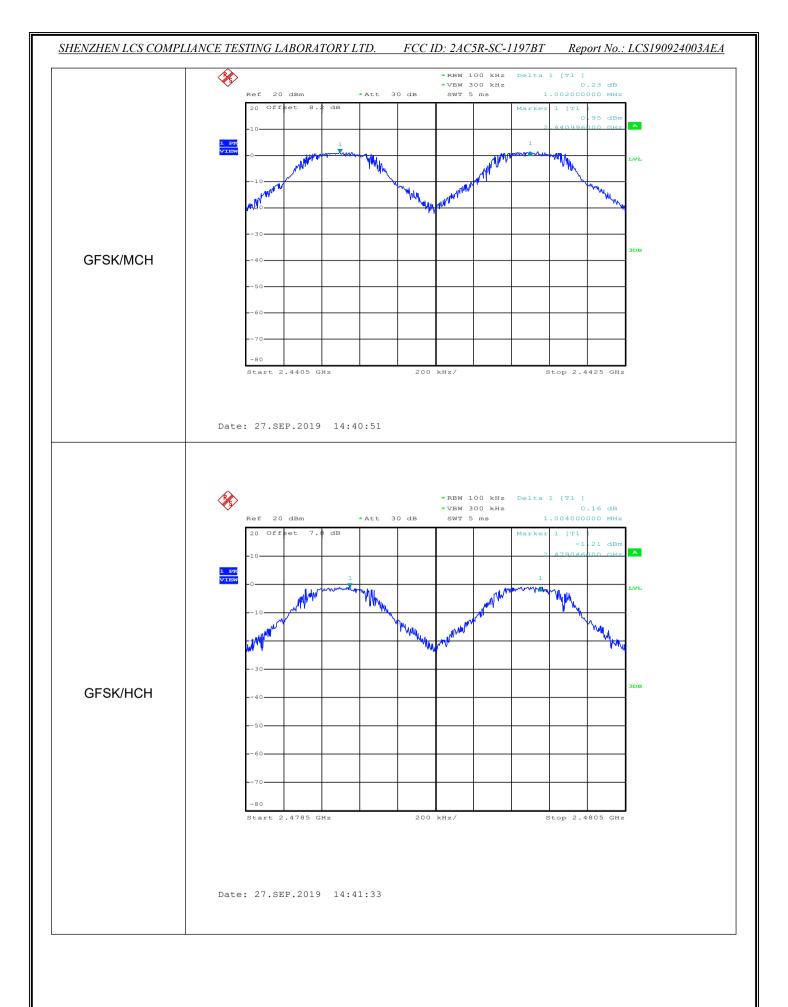


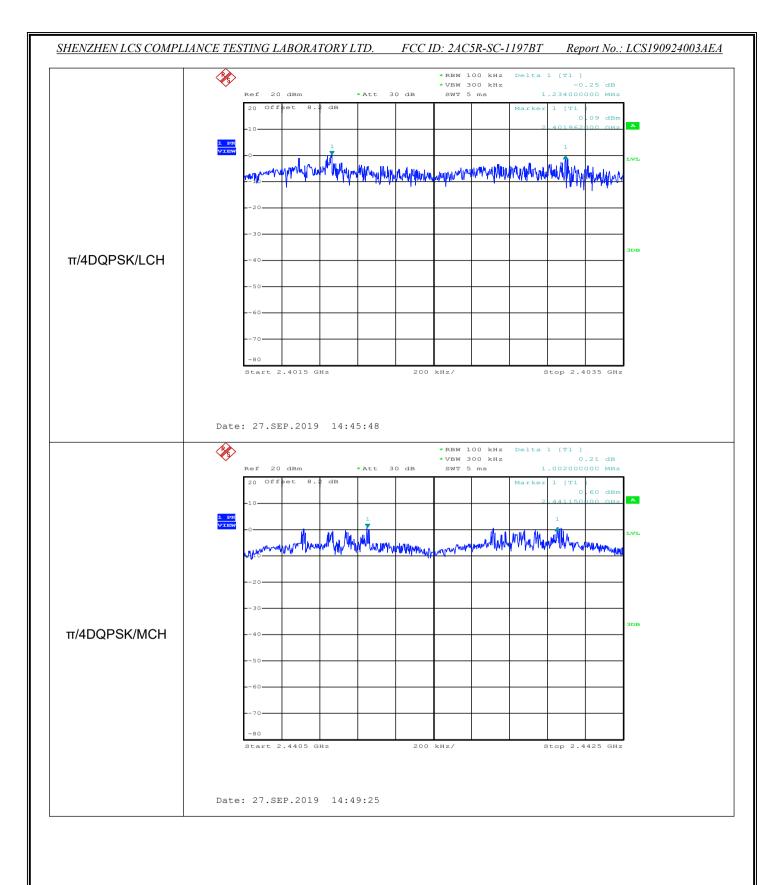


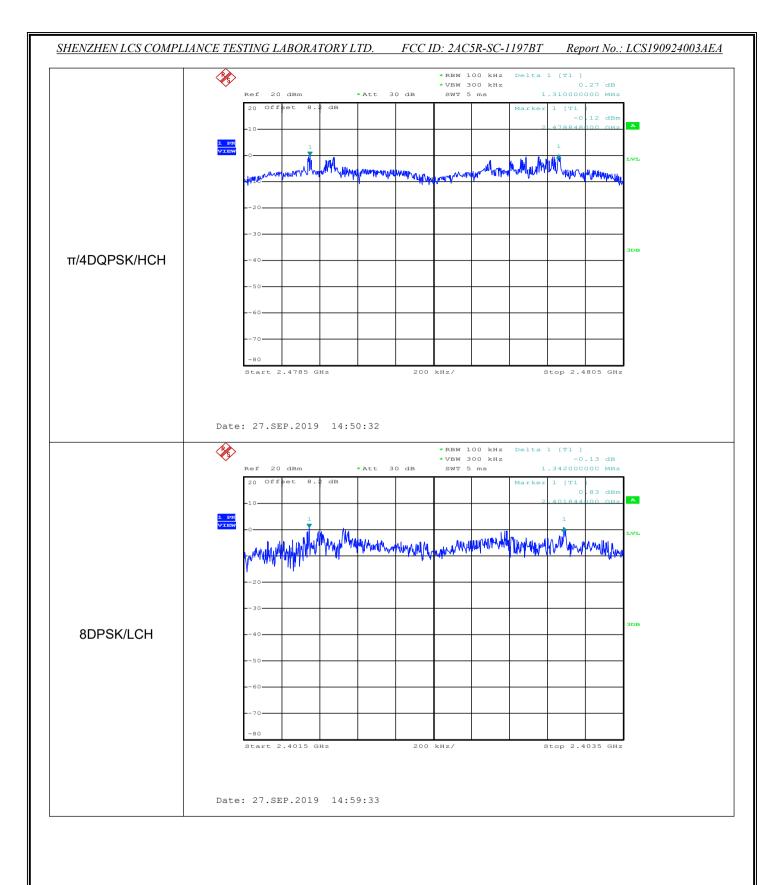
A.3 Carrier Frequency Separation

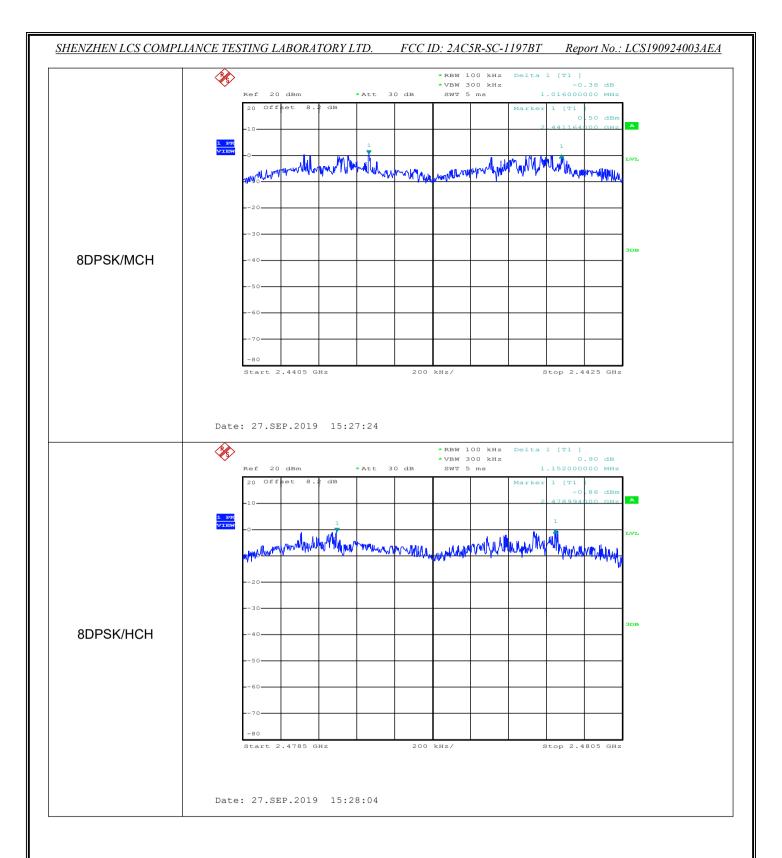
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.000	0.641	PASS
GFSK	MCH	1.002	0.641	PASS
	HCH	1.004	0.641	PASS
	LCH	1.234	0.856	PASS
π/4DQPSK	MCH	1.002	0.856	PASS
	HCH	1.310	0.856	PASS
	LCH	1.342	0.867	PASS
8DPSK	SK MCH 1.016		0.867	PASS
	HCH	1.152	0.867	PASS





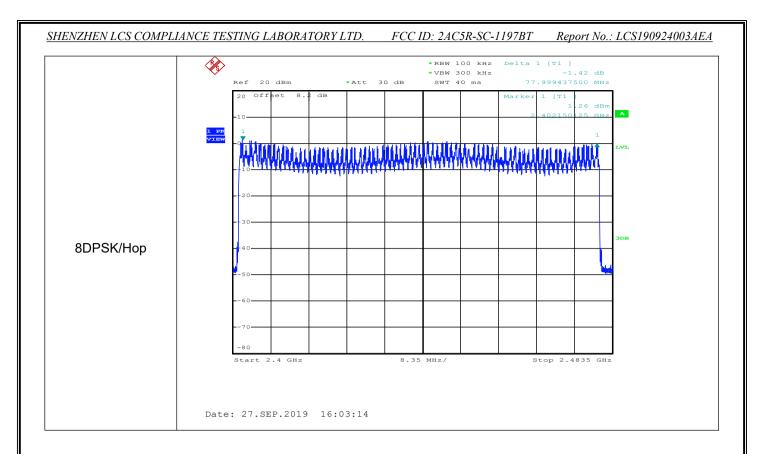






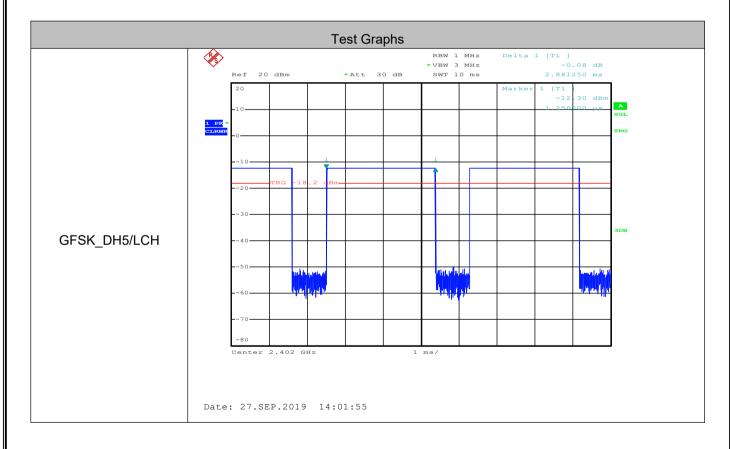
A.4 Hopping Channel Number

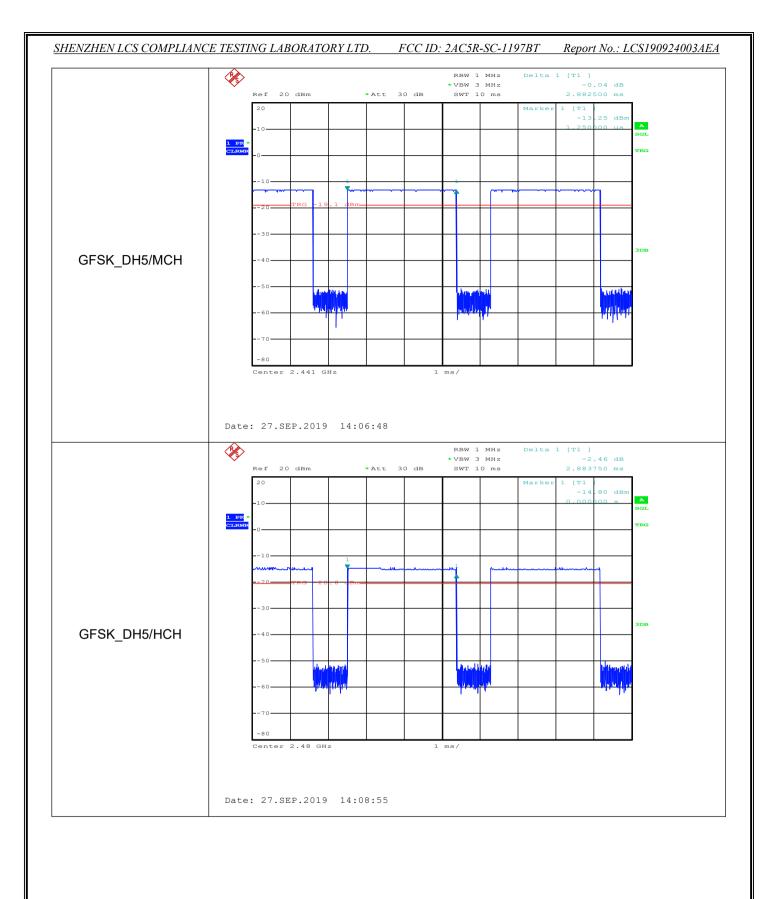
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

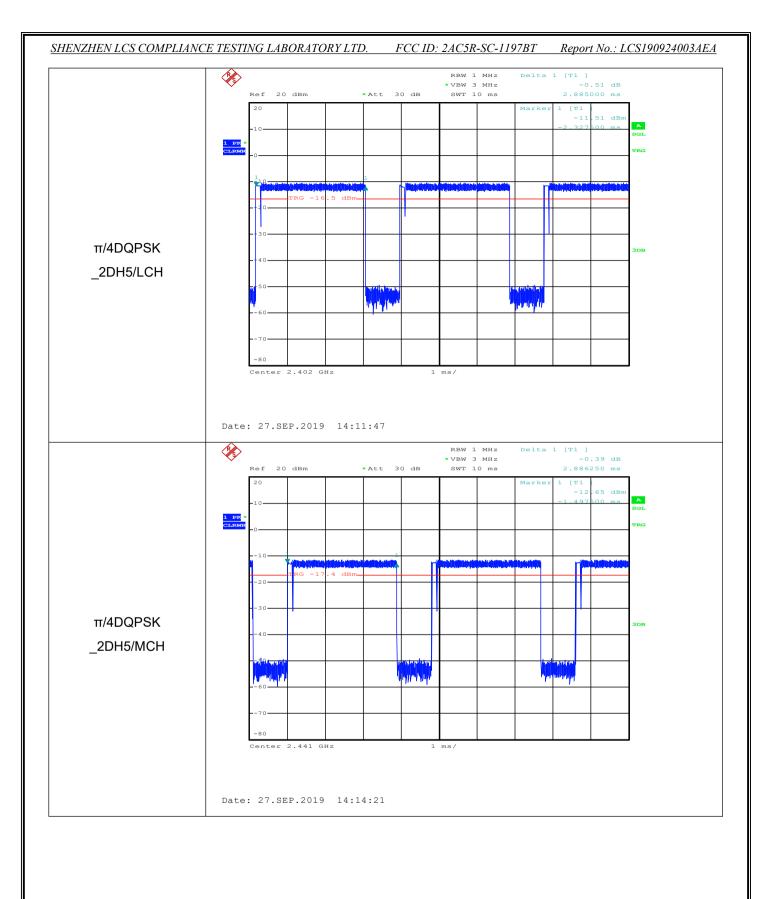


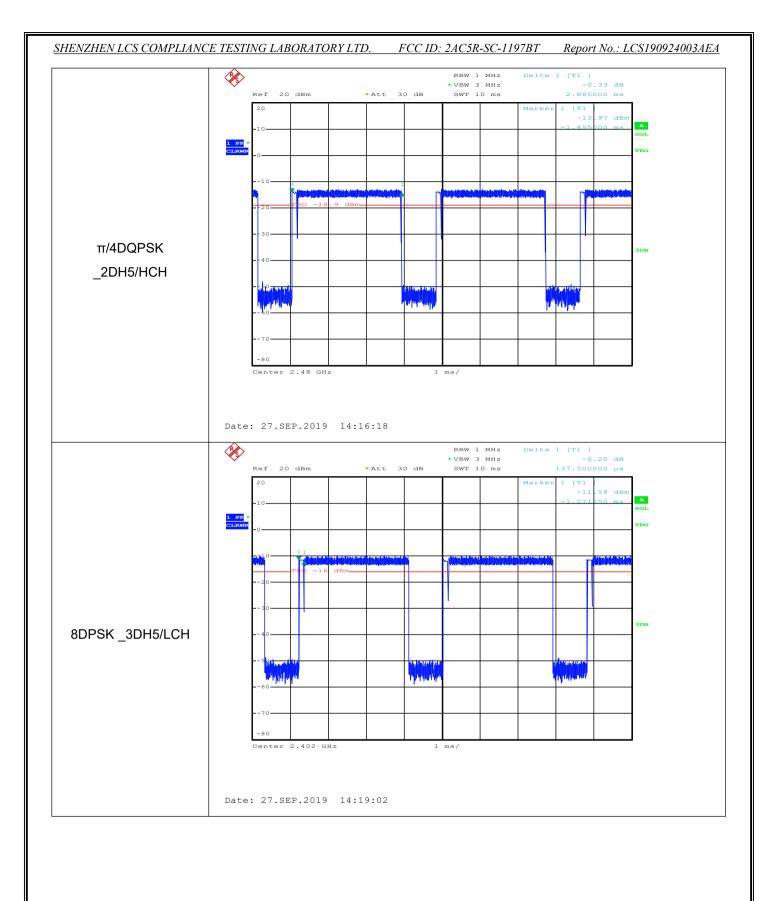
A.5 Dwell Time

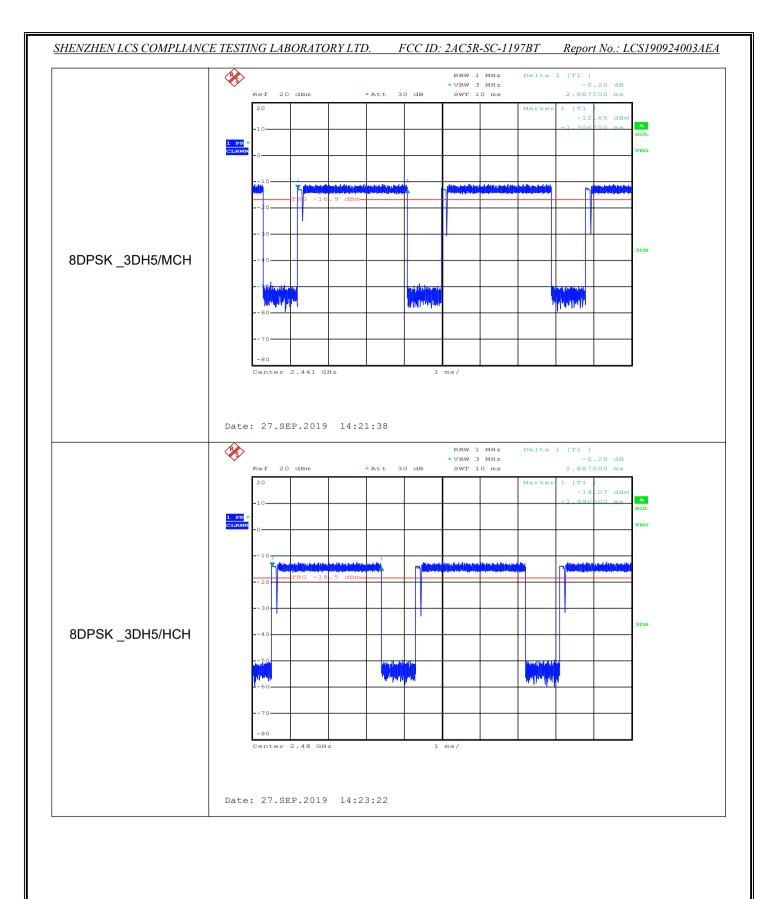
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	НСН	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.308	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.308	0.4	PASS
	2DH5	НСН	2.88	106.7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





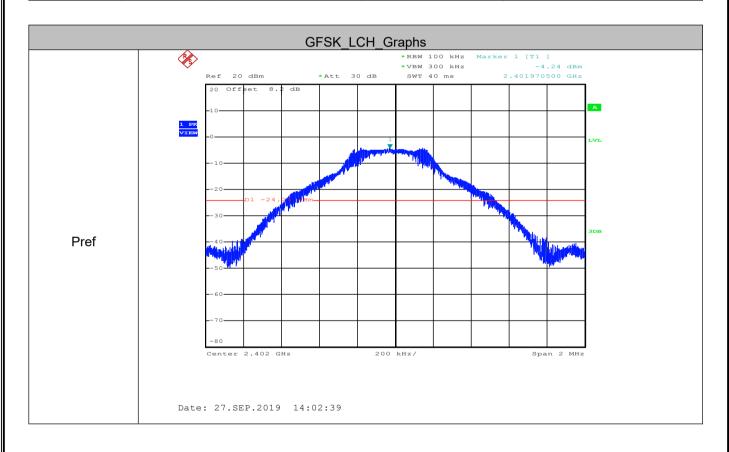


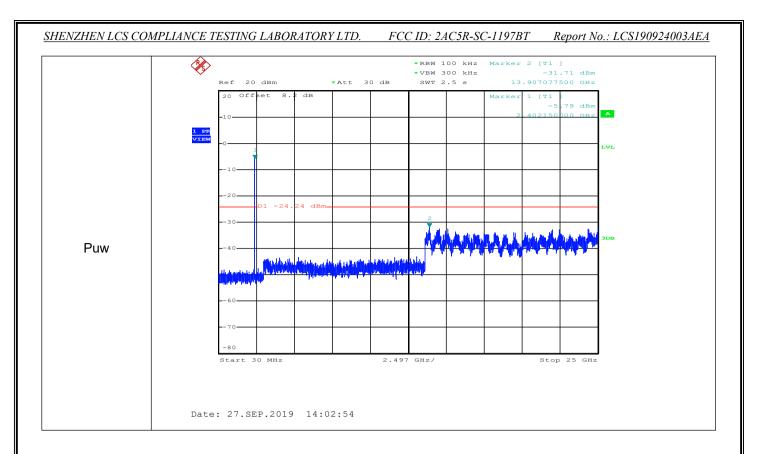


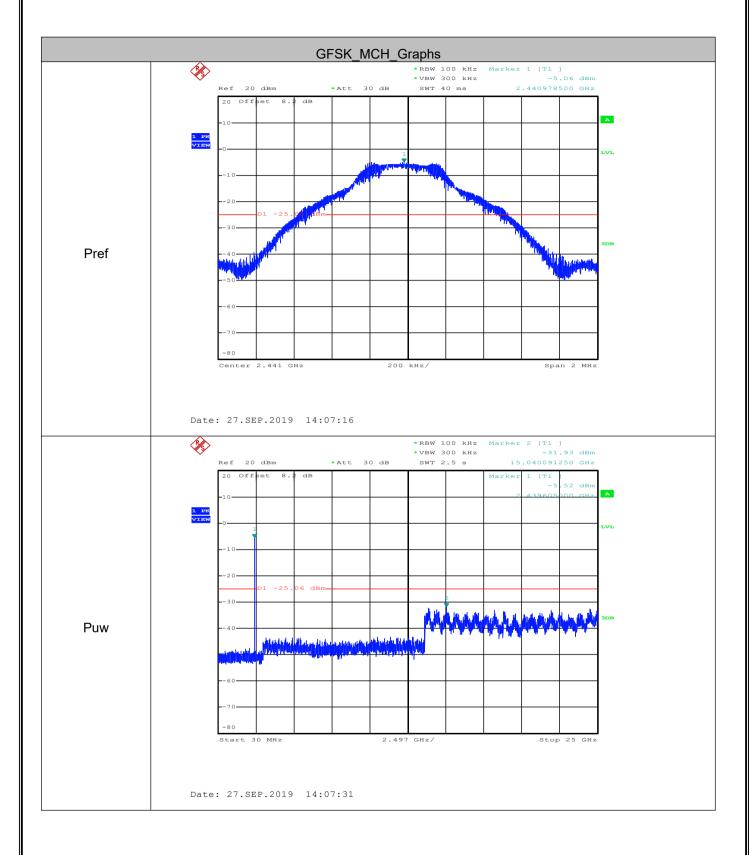


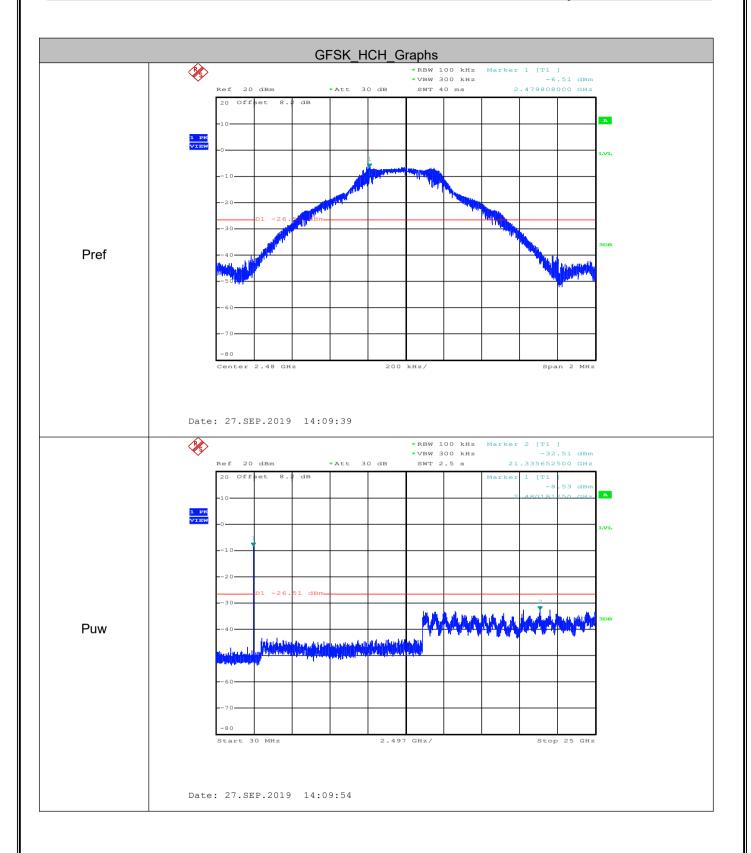
A.6 RF Conducted Spurious Emissions

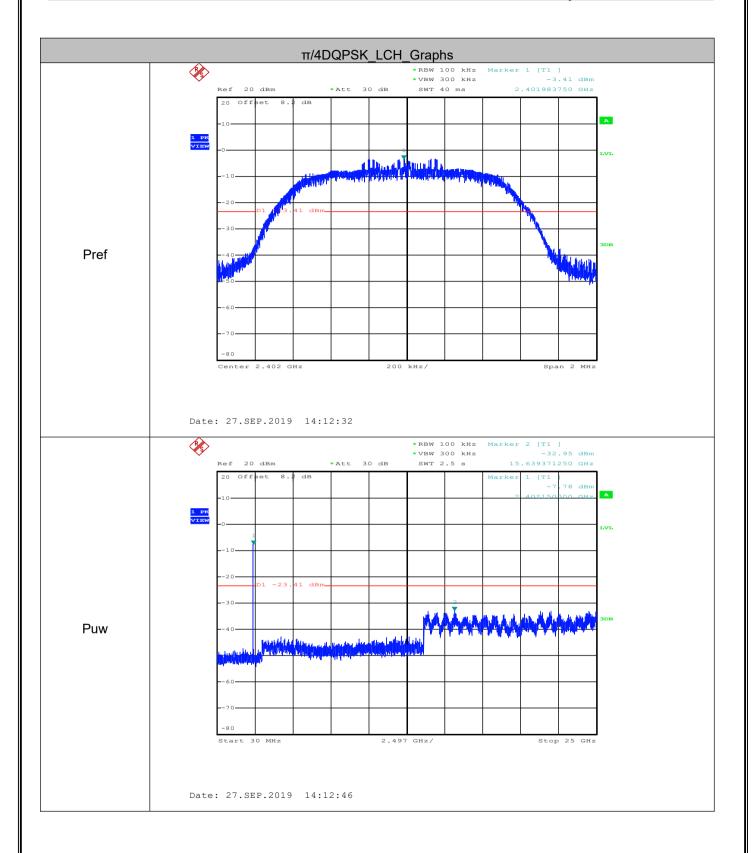
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-4.24	-31.710	-24.240	PASS
GFSK	MCH	-5.06	-31.930	-25.060	PASS
	HCH	-6.51	-32.510	-26.510	PASS
	LCH	-3.41	-32.950	-23.410	PASS
π/4DQPSK	MCH	-4.33	-31.760	-24.330	PASS
	HCH	-5.86	-31.680	-25.860	PASS
	LCH	-3.35	-32.230	-23.350	PASS
8DPSK	MCH	-4.37	-32.490	-24.370	PASS
	HCH	-5.89	-32.350	-25.890	PASS

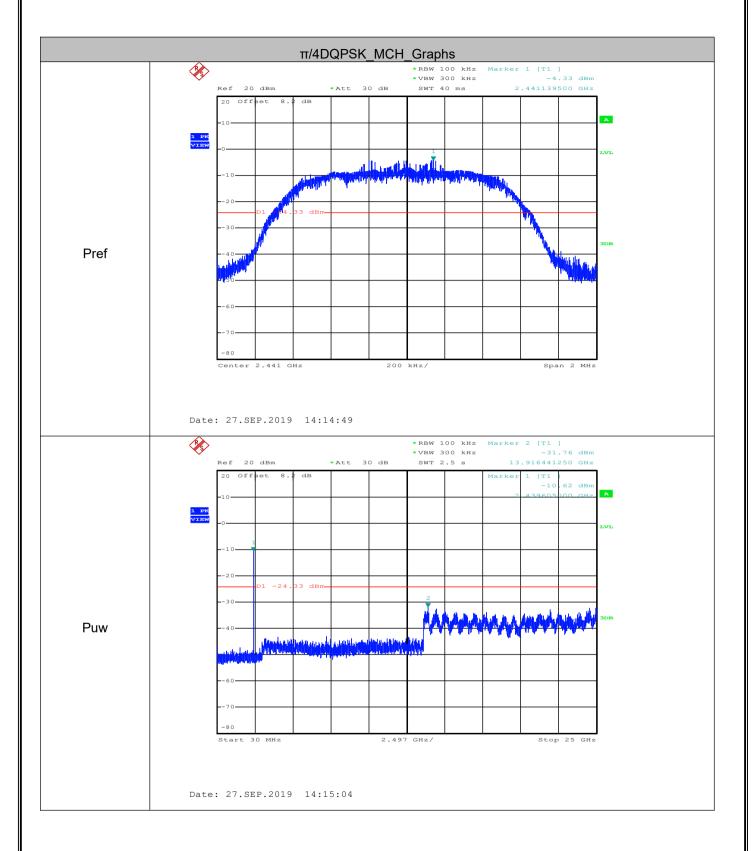


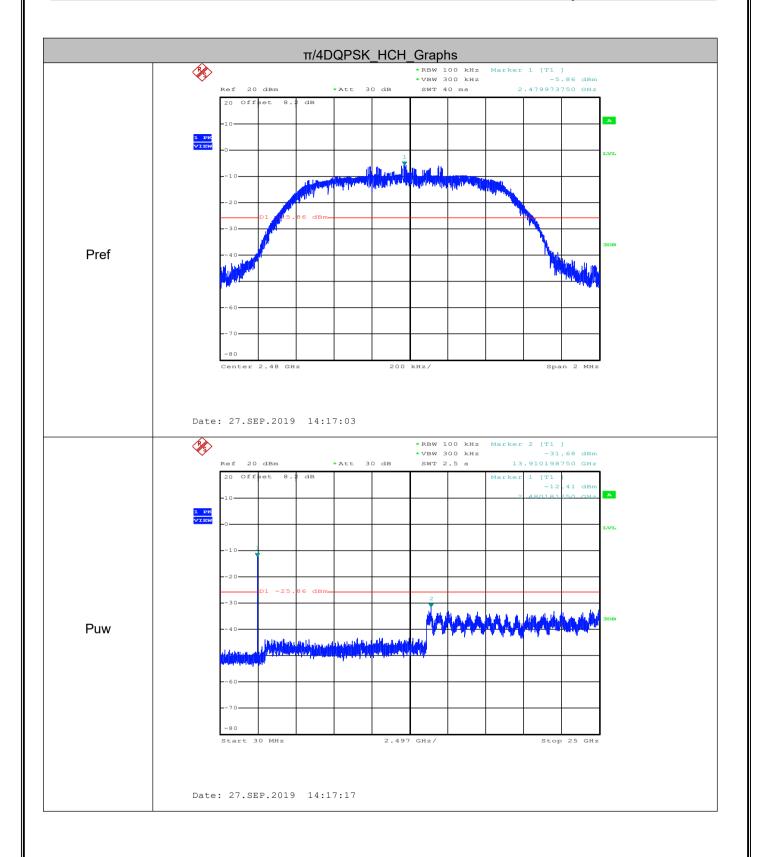


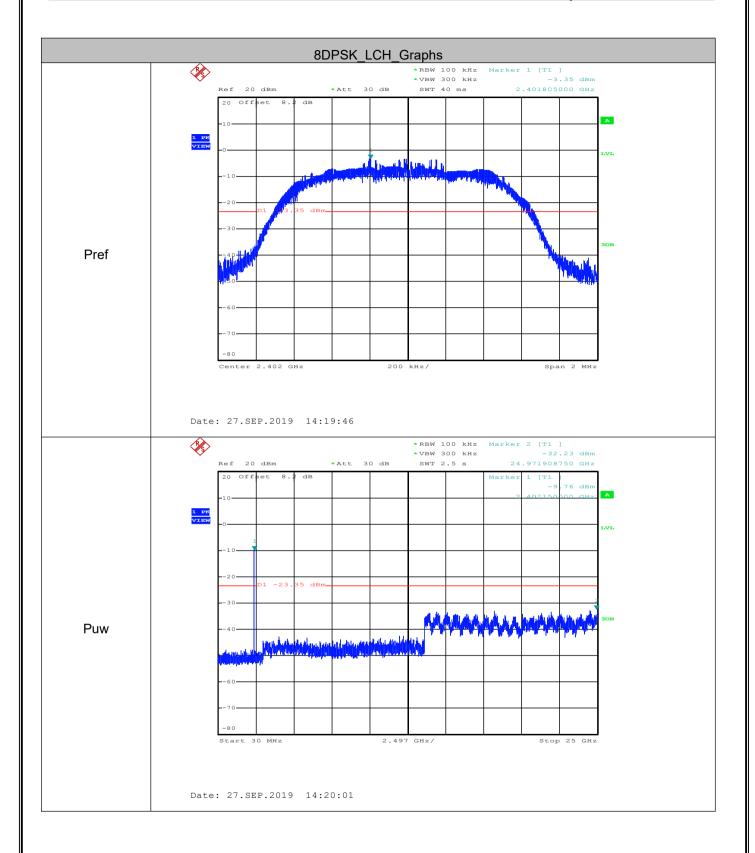


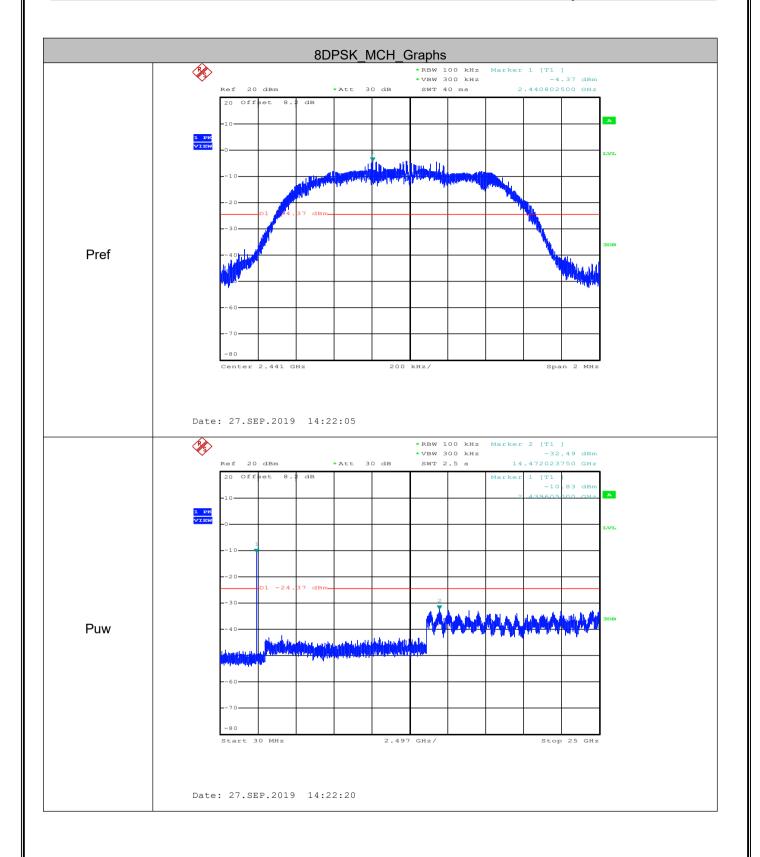


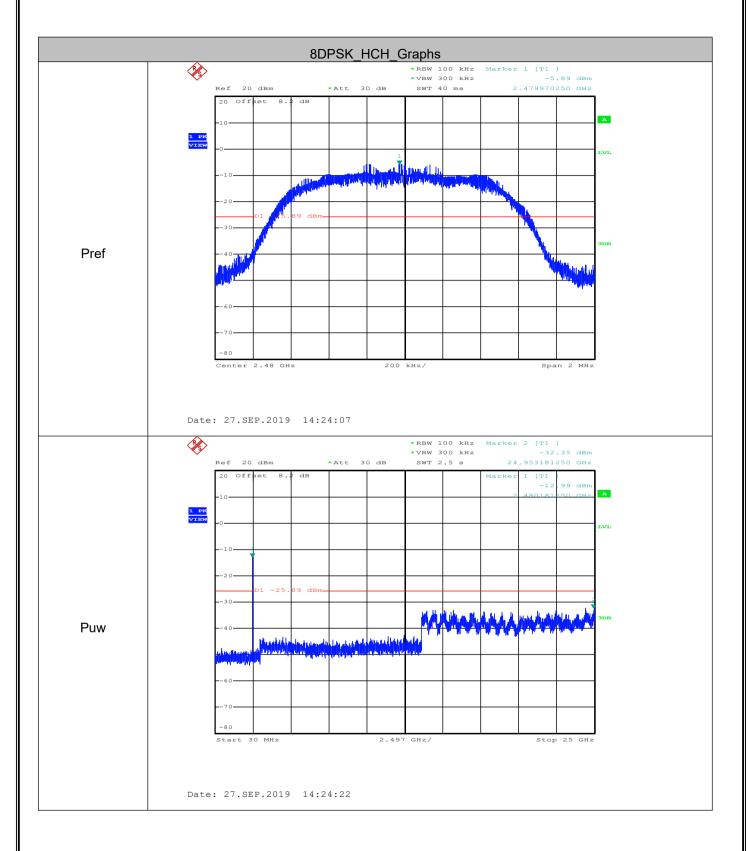






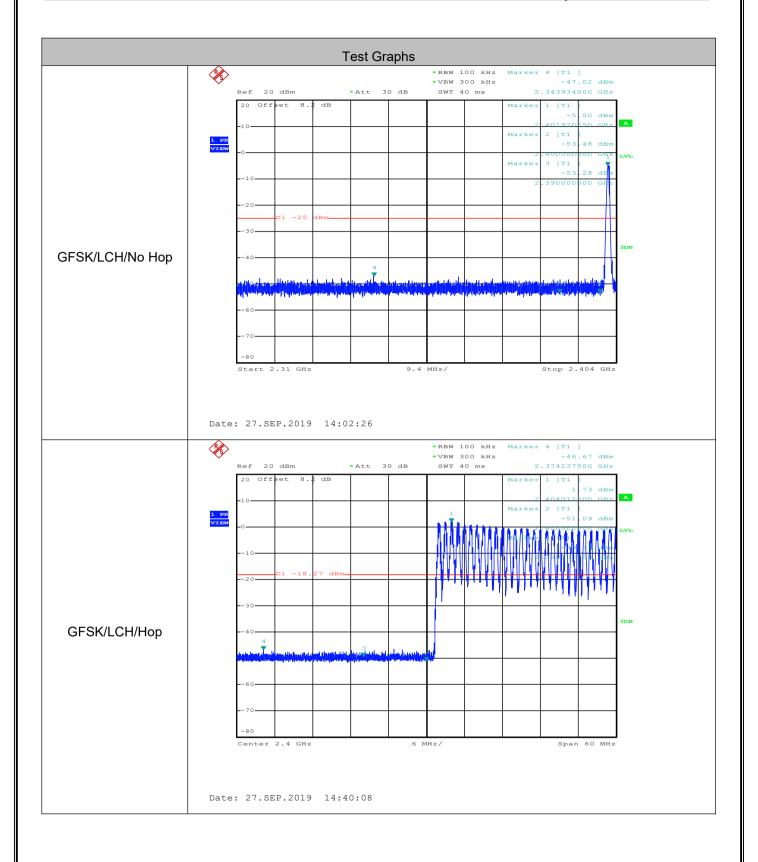


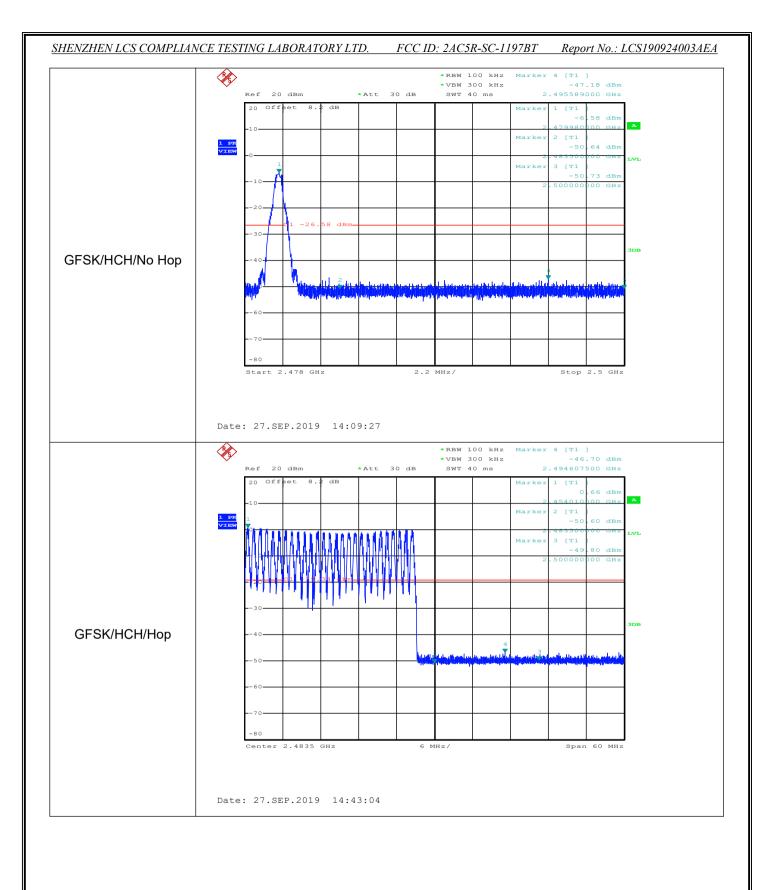


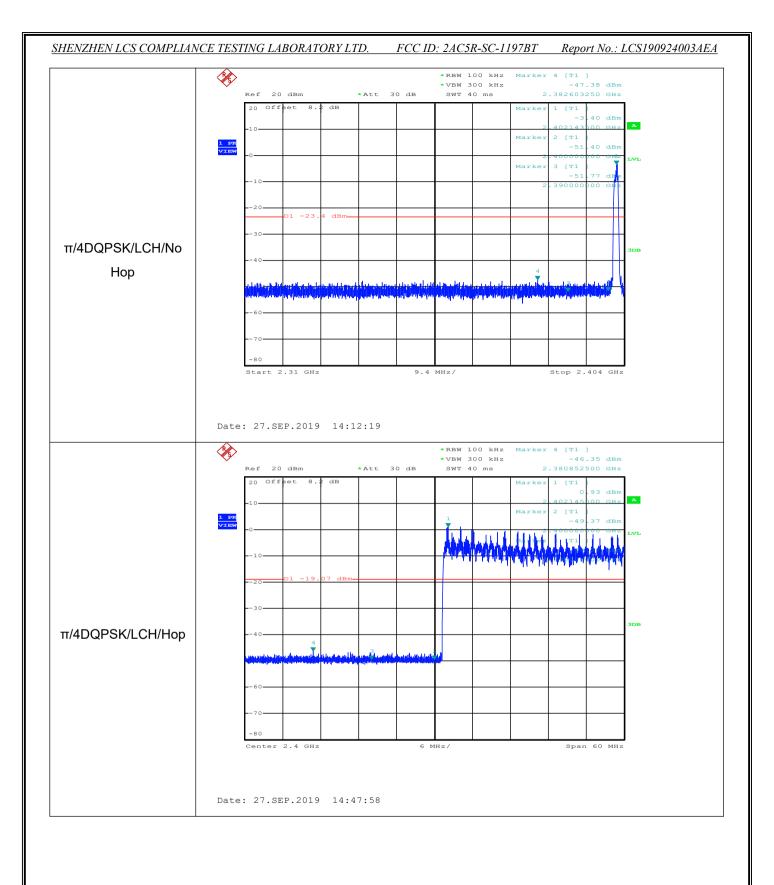


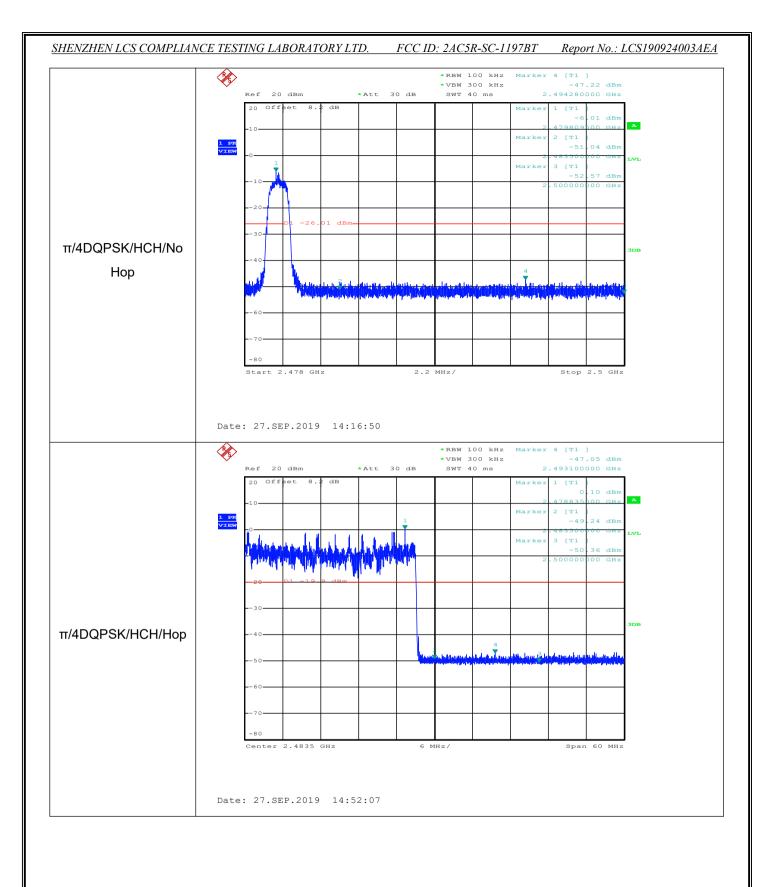
A.7 Band-edge for RF Conducted Emissions

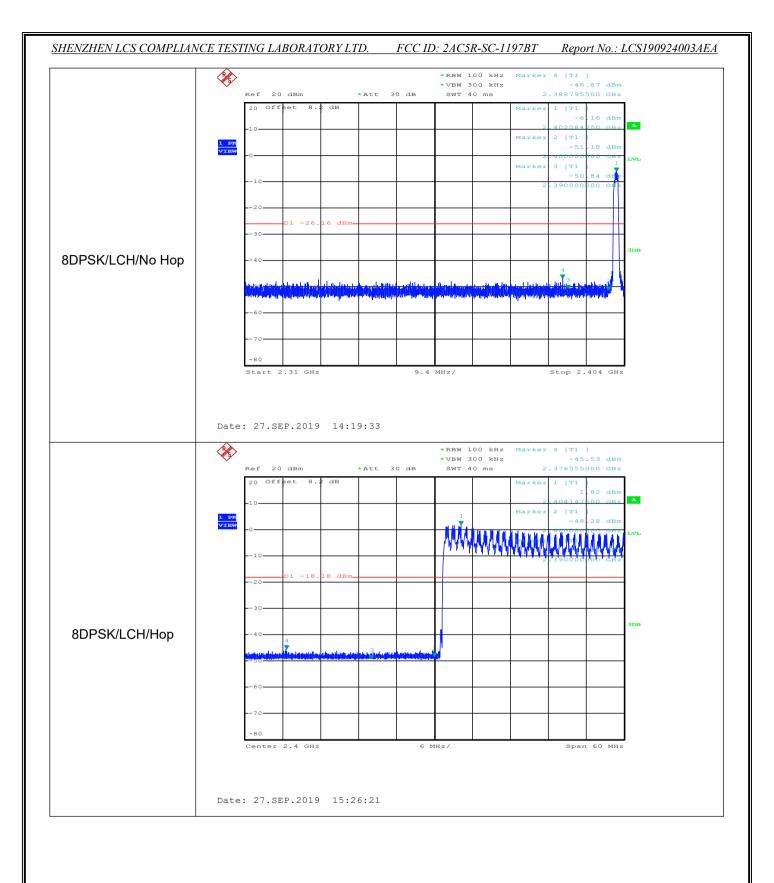
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-5.000	Off	-47.016	-25	PASS
0501	LCH	2402	1.730	On	-46.673	-18.27	PASS
GFSK	нсн		-6.580	Off	-47.179	-26.58	PASS
		2480	0.660	On	-46.705	-19.34	PASS
	LCH		-3.400	Off	-47.383	-23.4	PASS
		2402	0.930	On	-46.350	-19.07	PASS
π/4DQPSK	нсн		-6.010	Off	-47.221	-26.01	PASS
		2480	0.100	On	-47.054	-19.9	PASS
			-6.160	Off	-46.873	-26.16	PASS
	LCH	2402	1.820	On	-45.531	-18.18	PASS
8DPSK			-5.880	Off	-46.431	-25.88	PASS
	HCH	2480	0.220	On	-46.050	-19.78	PASS

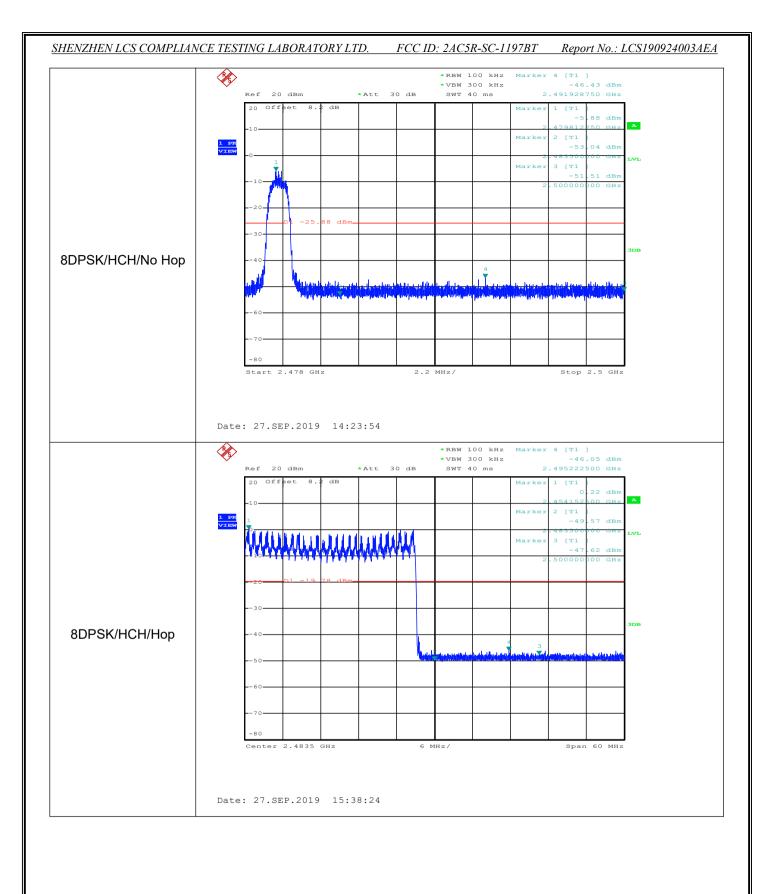






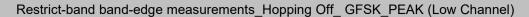


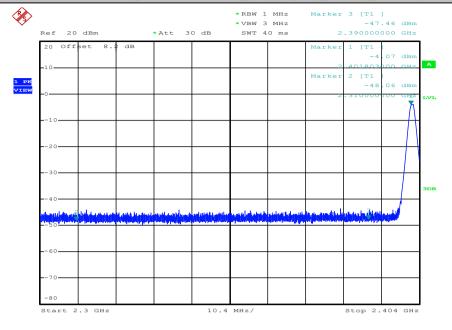




A.8 Restrict-band band-edge measurements

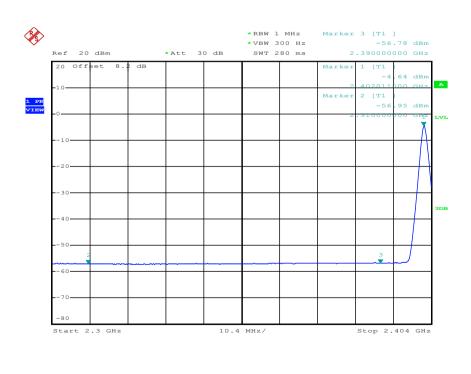
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-48.06	2.0	0	49.20	PEAK	74	PASS
	Off	2310.0	-56.95	2.0	0	40.31	AV	54	PASS
	Off	2390.0	-47.46	2.0	0	49.80	PEAK	74	PASS
	Off	2390.0	-56.78	2.0	0	40.48	AV	54	PASS
GFSK	Off	2483.5	-42.81	2.0	0	54.45	PEAK	74	PASS
	Off	2483.5	-48.43	2.0	0	48.83	AV	54	PASS
	Off	2500.0	-48.50	2.0	0	48.76	PEAK	74	PASS
	Off	2500.0	-57.34	2.0	0	39.92	AV	54	PASS
	Off	2310.0	-48.71	2.0	0	48.55	PEAK	74	PASS
	Off	2310.0	-57.03	2.0	0	40.23	AV	54	PASS
	Off	2390.0	-45.75	2.0	0	51.51	PEAK	74	PASS
	Off	2390.0	-56.64	2.0	0	40.62	AV	54	PASS
π/4DQPSK	Off	2483.5	-41.85	2.0	0	55.41	PEAK	74	PASS
	Off	2483.5	-48.24	2.0	0	49.02	AV	54	PASS
	Off	2500.0	-47.41	2.0	0	49.85	PEAK	74	PASS
	Off	2500.0	-57.39	2.0	0	39.87	AV	54	PASS
	Off	2310.0	-47.82	2.0	0	49.44	PEAK	74	PASS
	Off	2310.0	-57.04	2.0	0	40.22	AV	54	PASS
	Off	2390.0	-46.01	2.0	0	51.25	PEAK	74	PASS
	Off	2390.0	-56.77	2.0	0	40.49	AV	54	PASS
8DPSK	Off	2483.5	-41.76	2.0	0	55.50	PEAK	74	PASS
	Off	2483.5	-48.24	2.0	0	49.02	AV	54	PASS
	Off	2500.0	-47.14	2.0	0	50.12	PEAK	74	PASS
	Off	2500.0	-57.46	2.0	0	39.80	AV	54	PASS





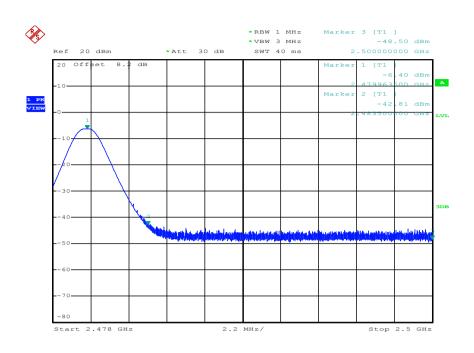
Date: 27.SEP.2019 14:03:13

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



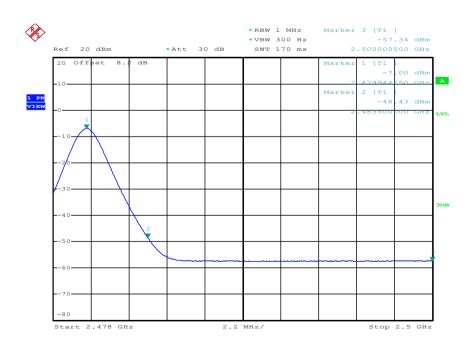
Date: 27.SEP.2019 14:03:26

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



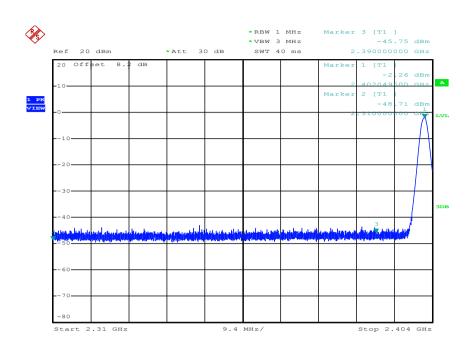
Date: 27.SEP.2019 14:10:13

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



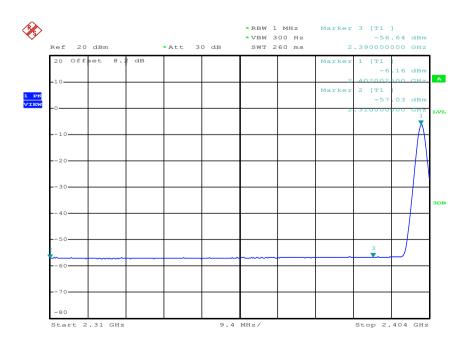
Date: 27.SEP.2019 14:10:26

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



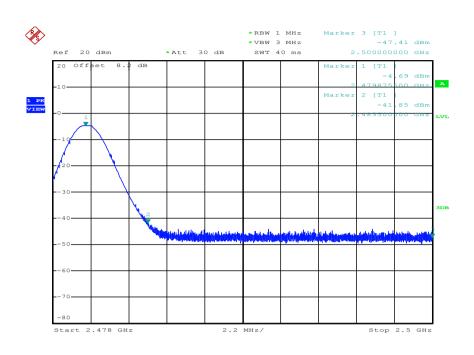
Date: 27.SEP.2019 14:13:05

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



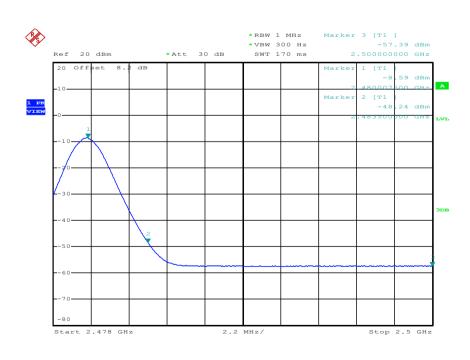
Date: 27.SEP.2019 14:13:18

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

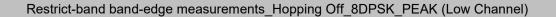


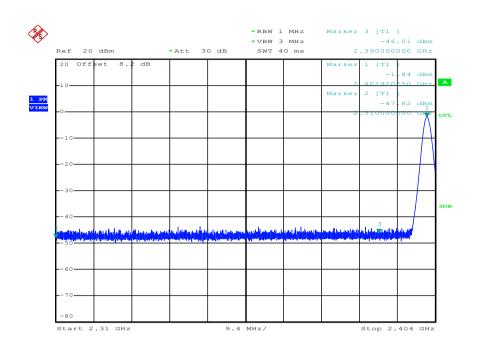
Date: 27.SEP.2019 14:17:36

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



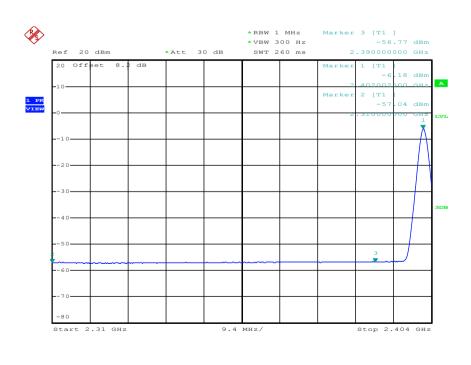
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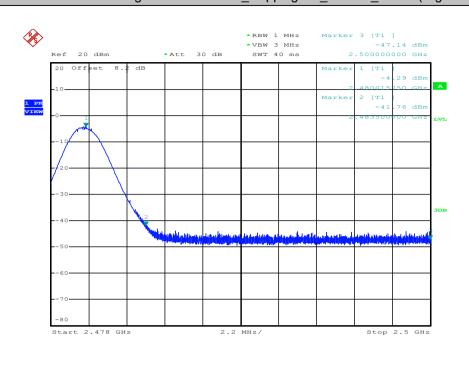


Date: 27.SEP.2019 14:20:20

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

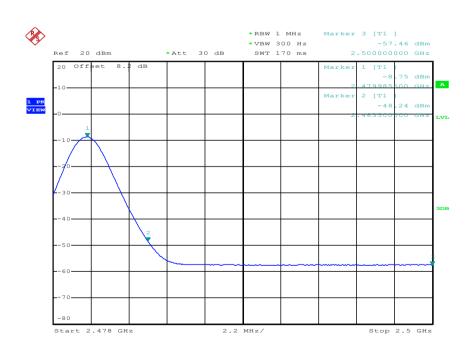


Date: 27.SEP.2019 14:20:33



Date: 27.SEP.2019 14:24:40

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



Date: 27.SEP.2019 14:24:54