Appendix A

RF Test Data for BT V4.1(BDR/EDR) (Conducted Measurement)

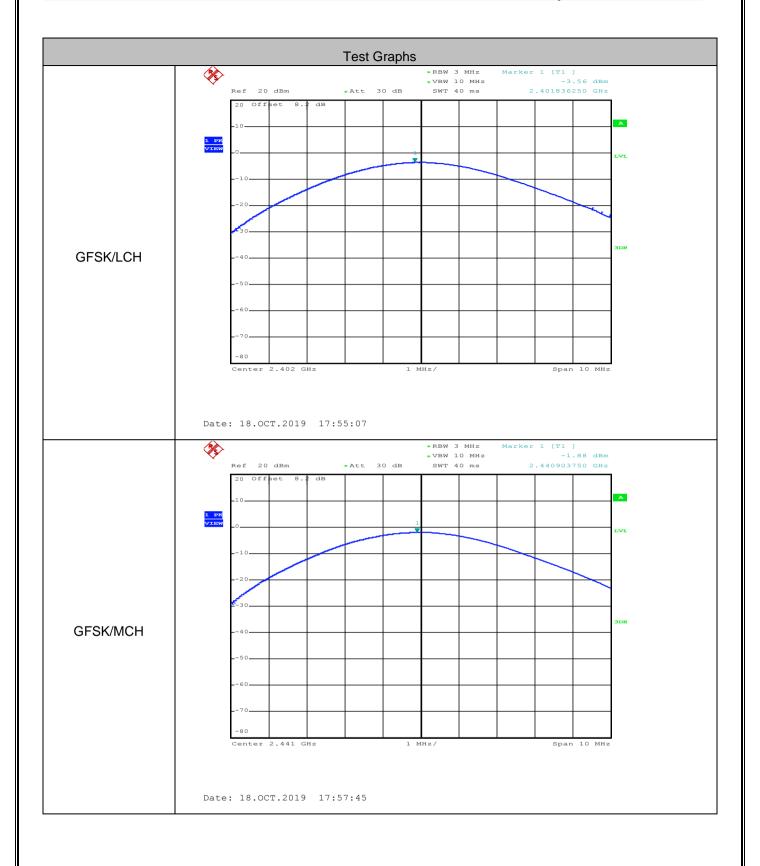
Product Name: Letter Clock with BT Speaker Trade Mark: N/A **Test Model: BSSK9010**

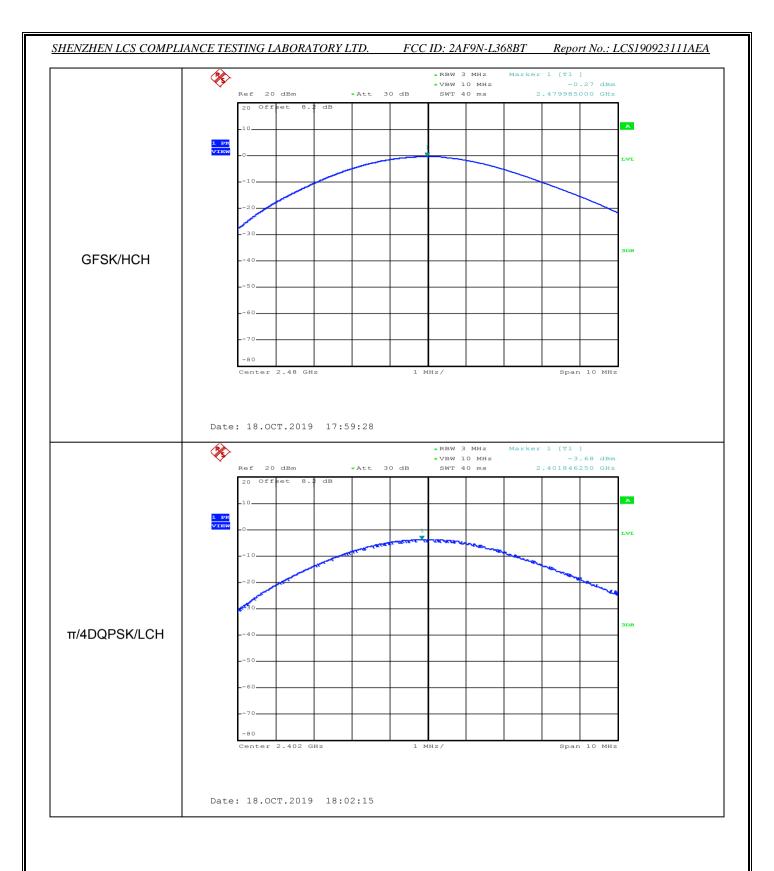
Environmental Conditions

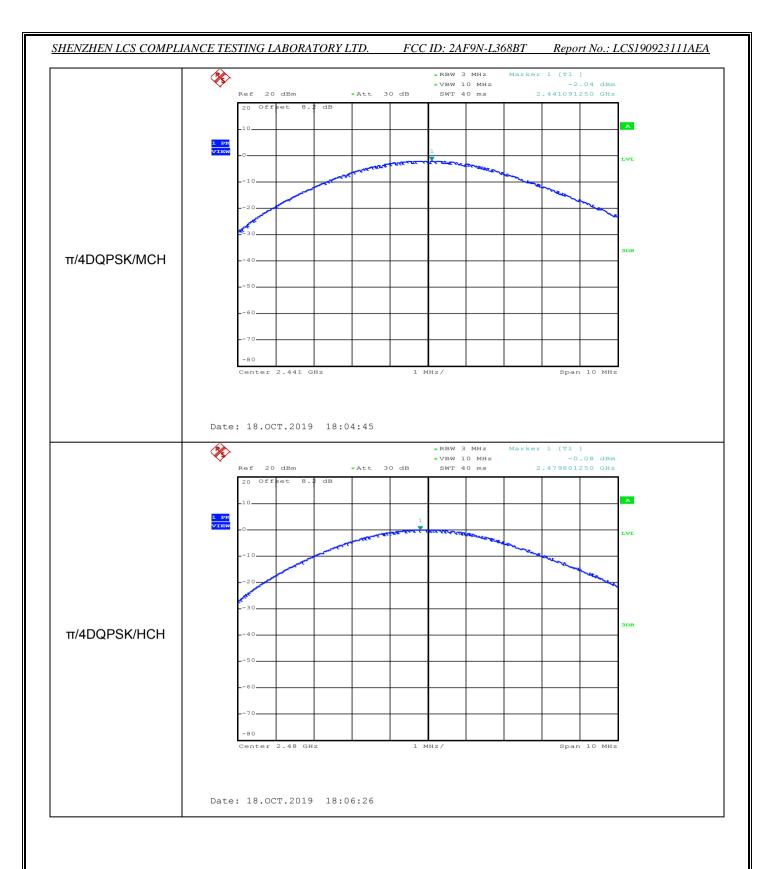
Temperature:	23.7 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	SCOUT WU
Supervised by:	Wang.Chuang

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-3.56	30	PASS
GFSK	MCH	-1.88	30	PASS
	НСН	-0.27	30	PASS
	LCH	-3.68	21	PASS
π/4DQPSK	MCH	-2.04	21	PASS
	НСН	-0.08	21	PASS

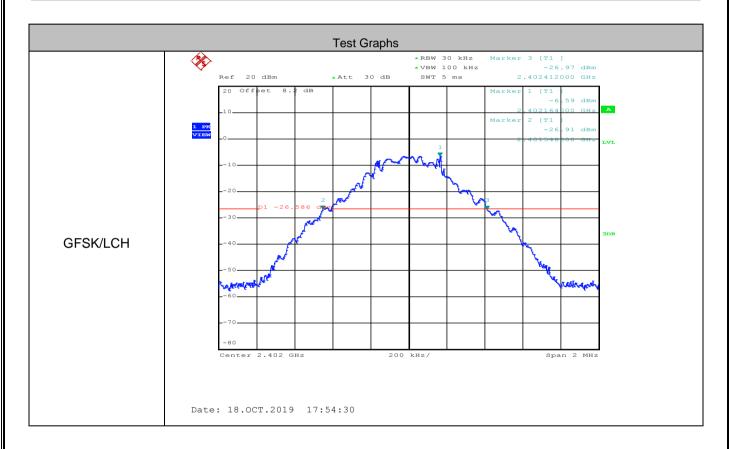


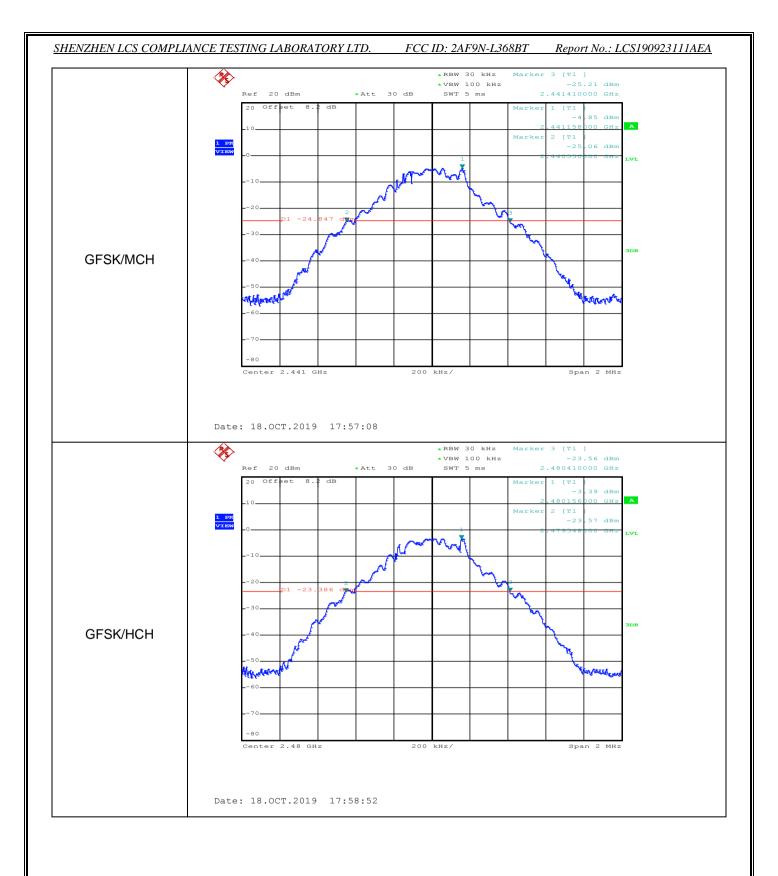


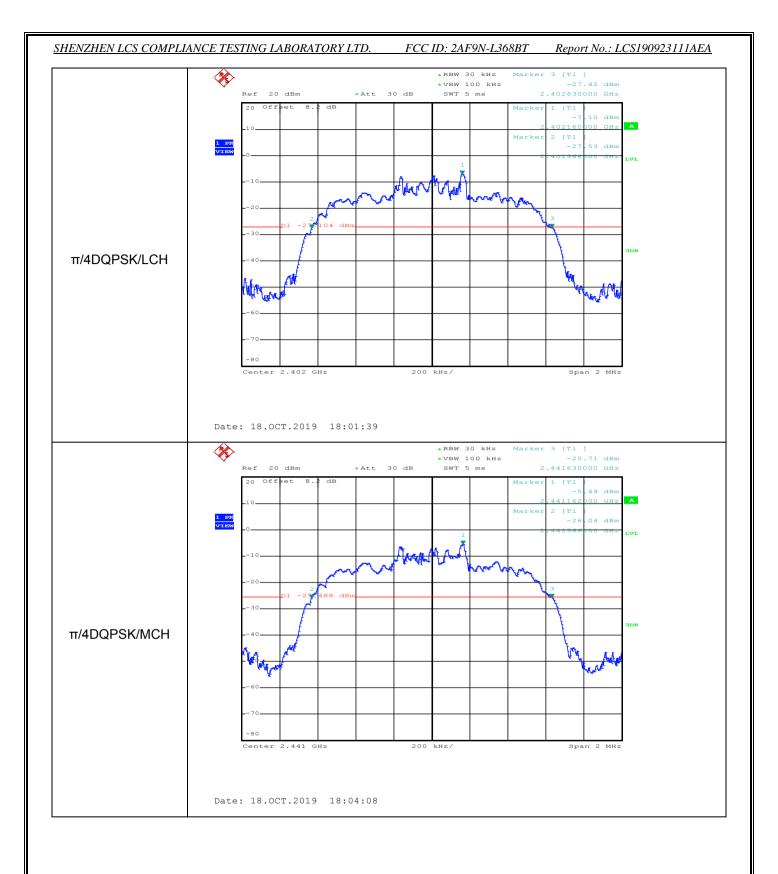


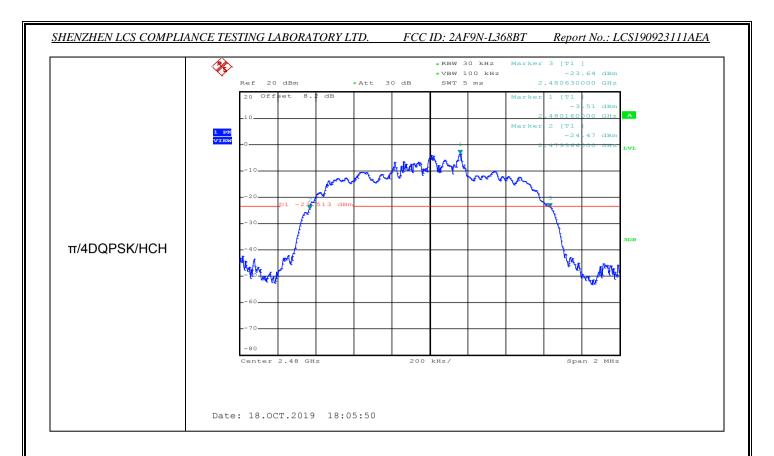
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.864	Not Specified	PASS
GFSK	MCH	0.860	Not Specified	PASS
	HCH	0.862	Not Specified	PASS
	LCH	1.262	Not Specified	PASS
π/4DQPSK	MCH	1.264	Not Specified	PASS
	HCH	1.264	Not Specified	PASS



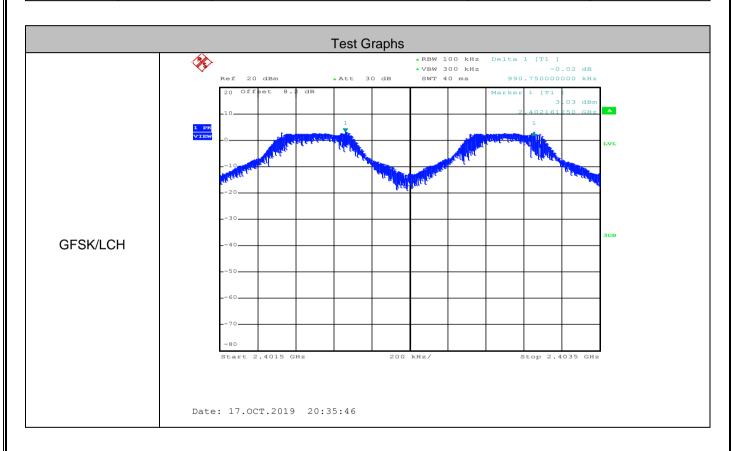


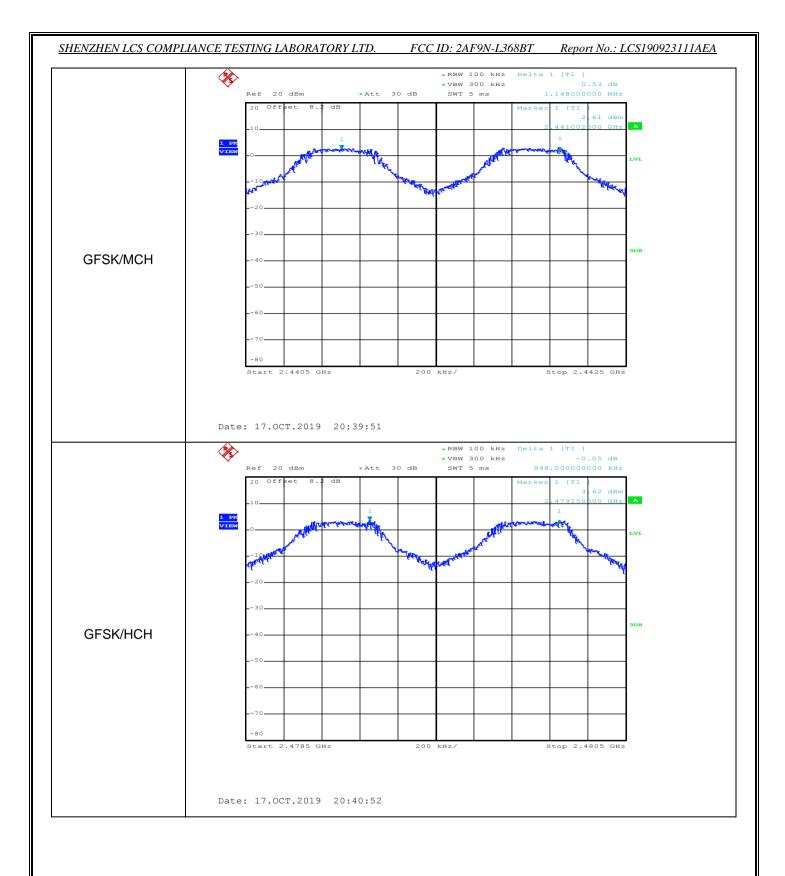


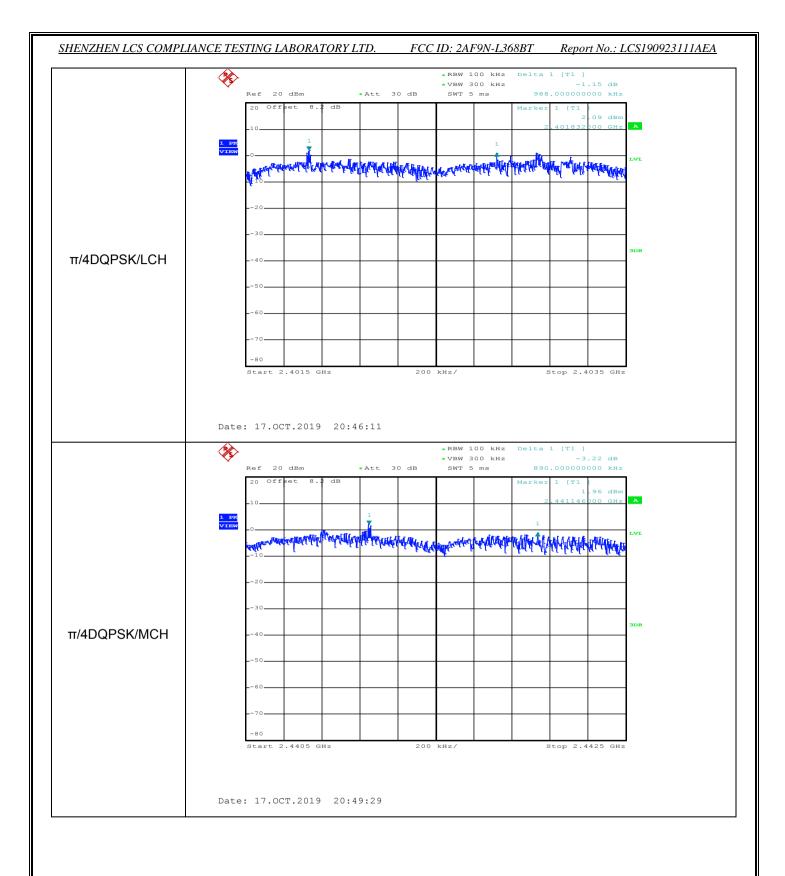


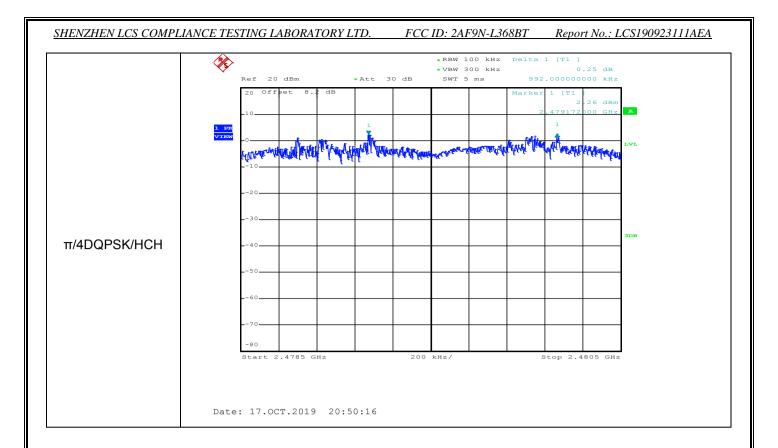
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.991	0.864	PASS
GFSK	MCH	1.148	0.860	PASS
	HCH	0.998	0.862	PASS
	LCH	0.988	0.841	PASS
π/4DQPSK	MCH 0.890		0.843	PASS
	НСН	0.992	0.843	PASS



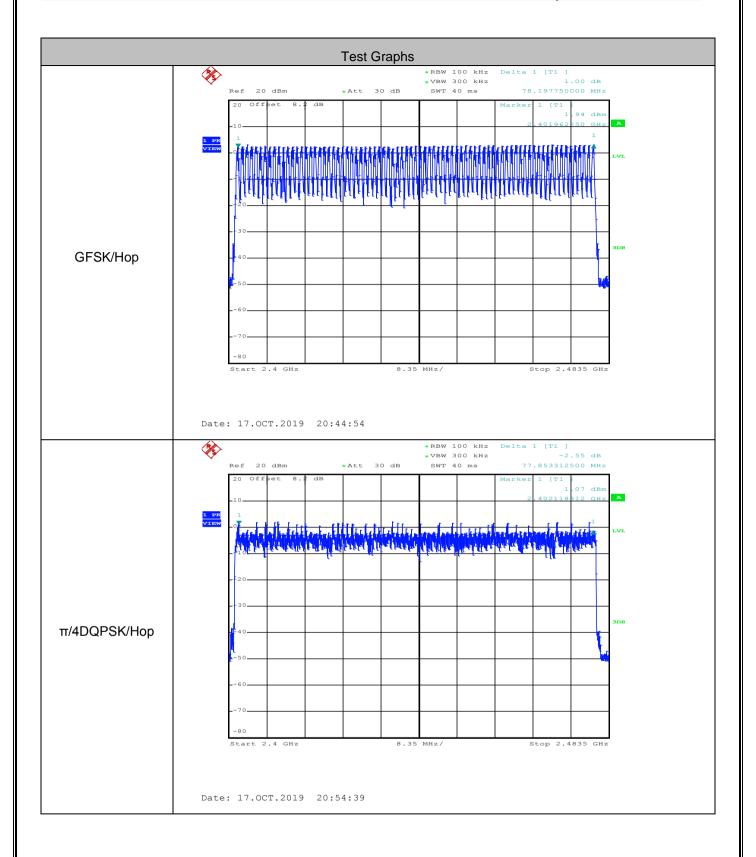






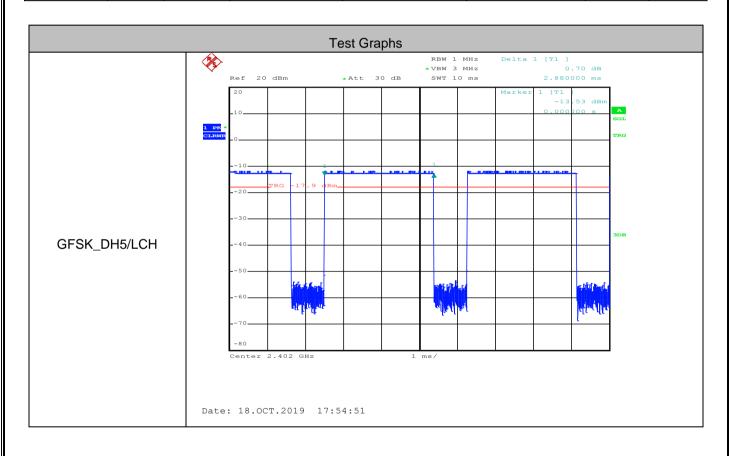
A.4 Hopping Channel Number

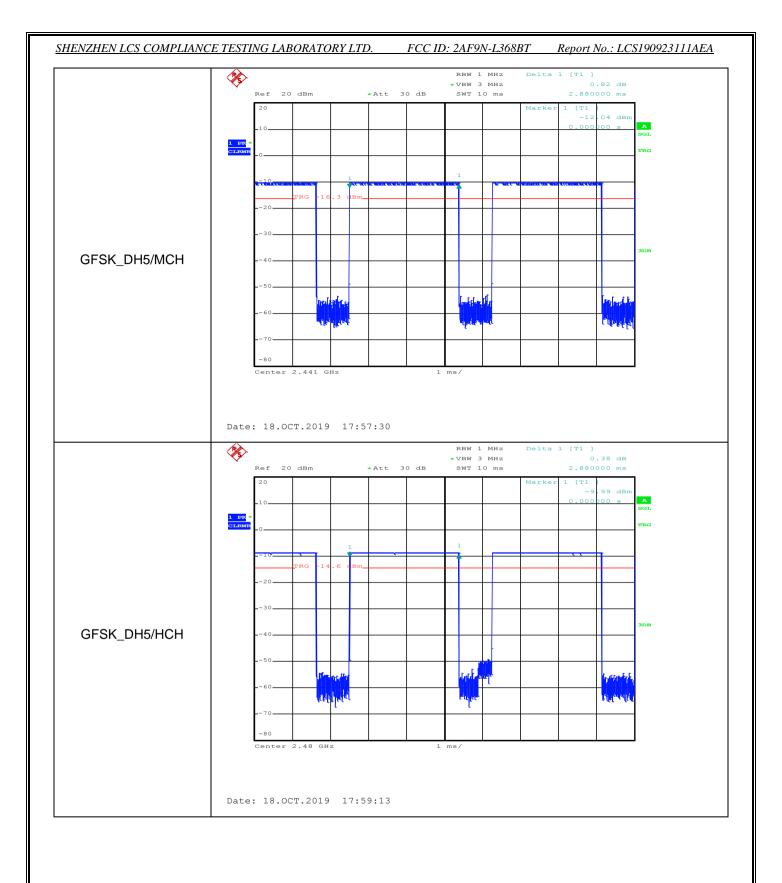
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

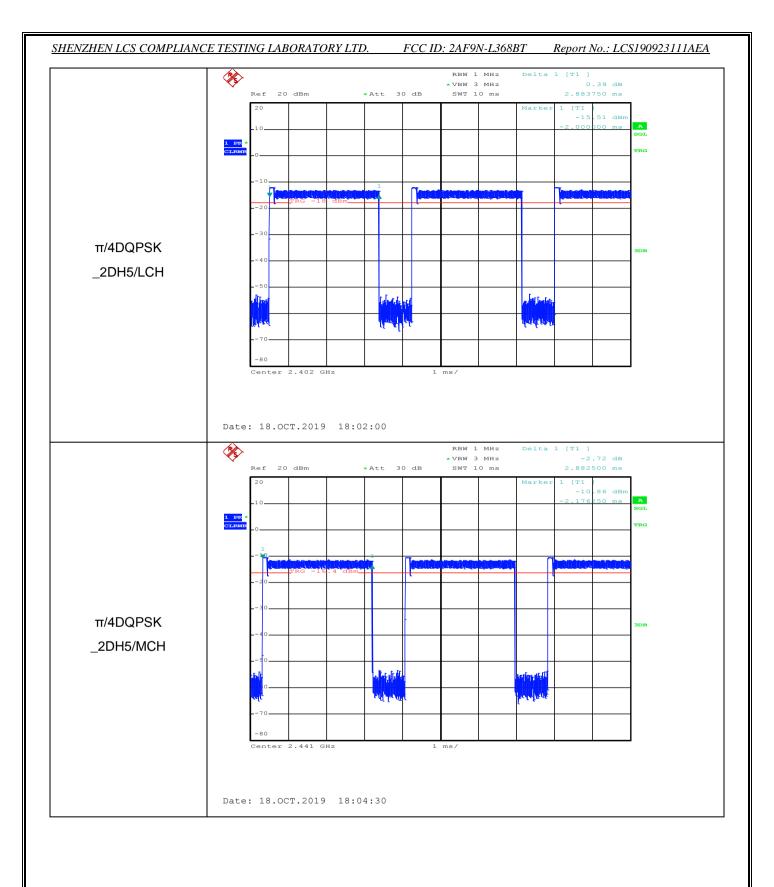


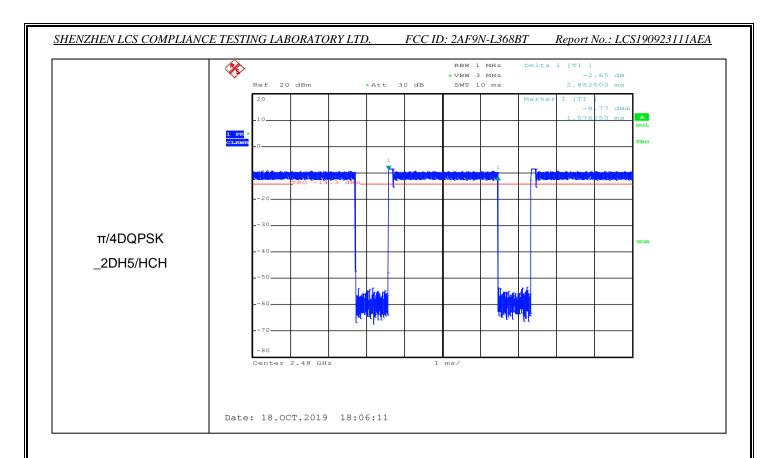
A.5 Dwell Time

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	0.307	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



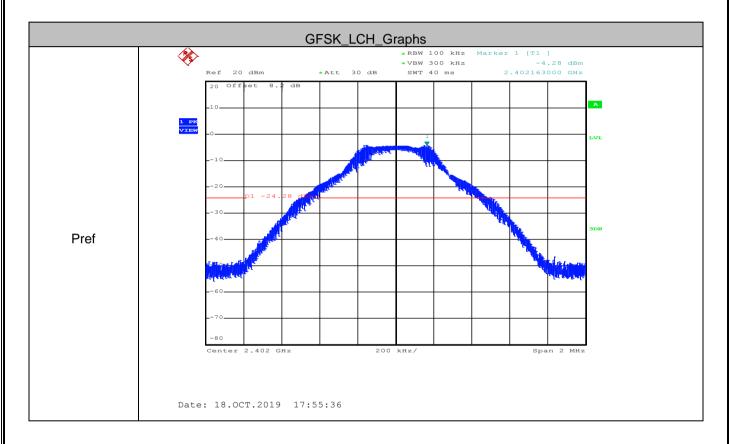


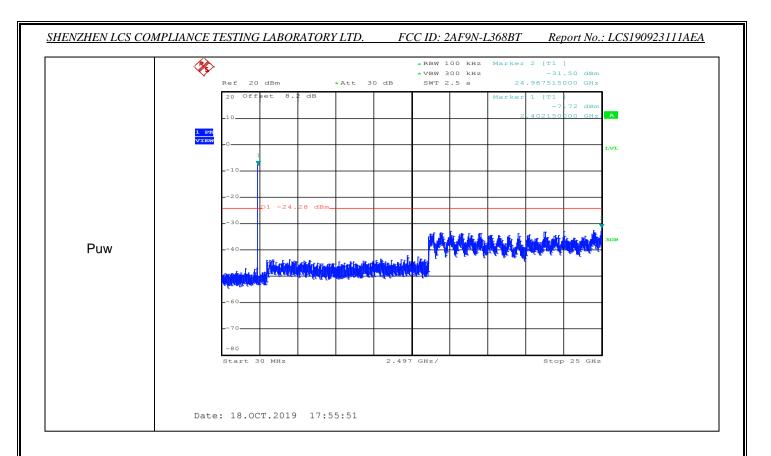


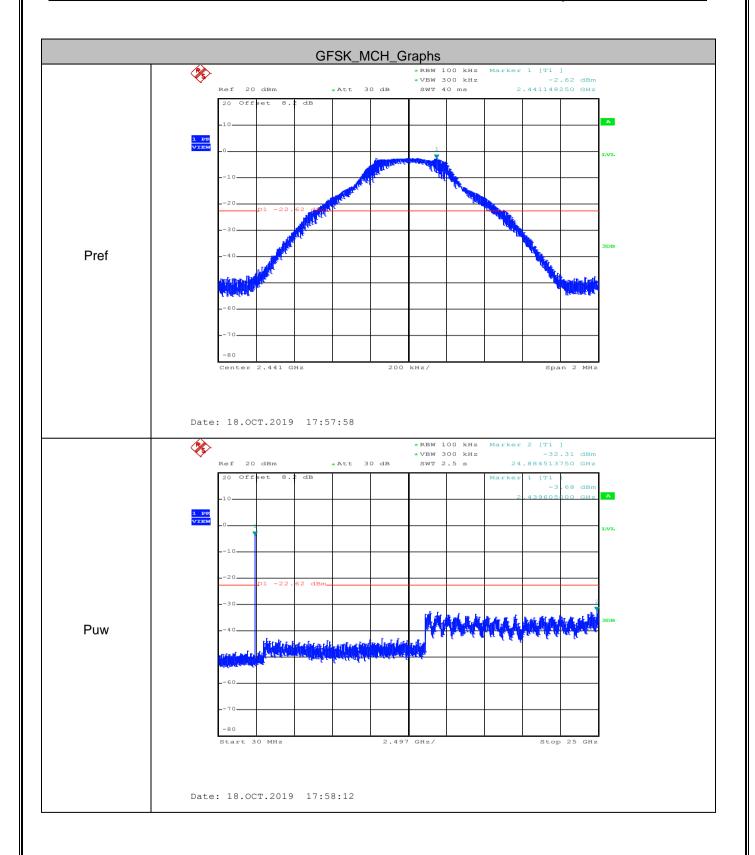


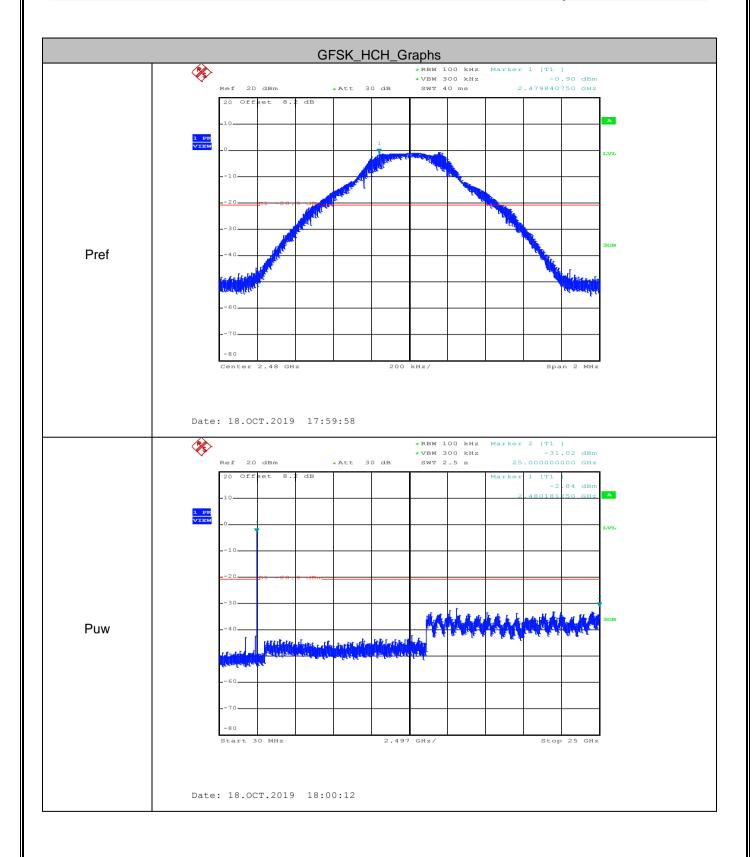
A.6 RF Conducted Spurious Emissions

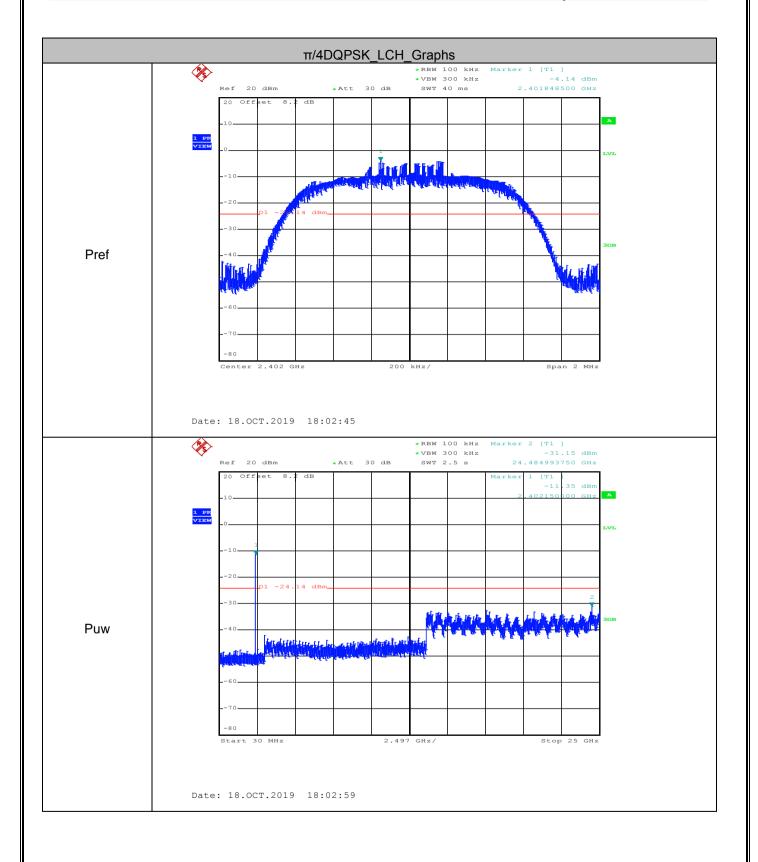
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-4.28	-31.500	-24.280	PASS
GFSK	MCH	-2.62	-32.310	-22.620	PASS
	HCH	-0.9	-31.020	-20.900	PASS
	LCH	-4.14	-31.150	-24.140	PASS
π/4DQPSK	MCH	-2.34	-31.780	-22.340	PASS
	НСН	-0.36	-31.990	-20.360	PASS

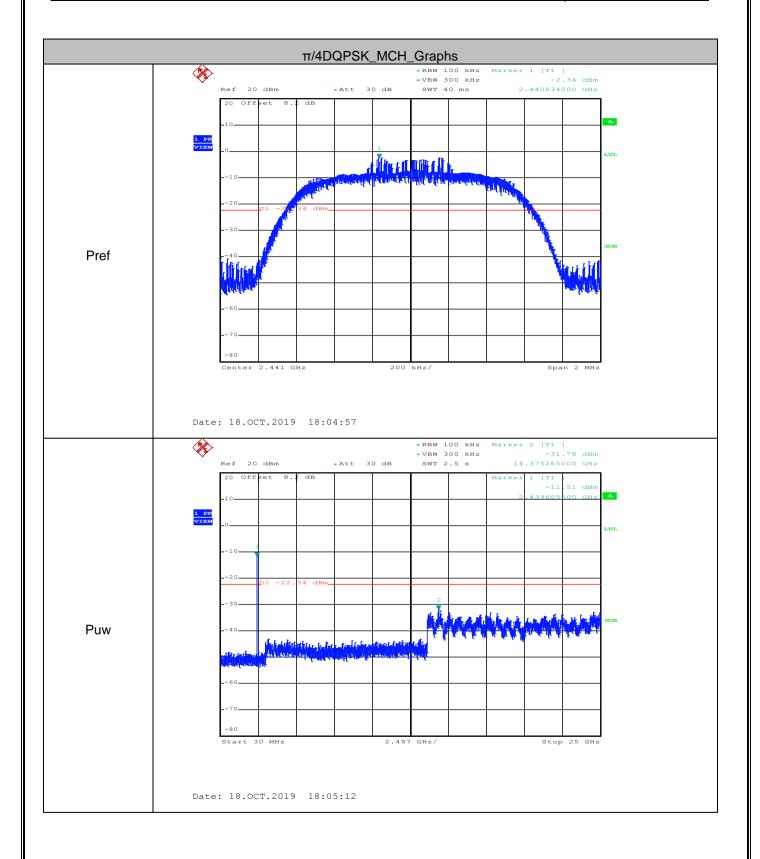








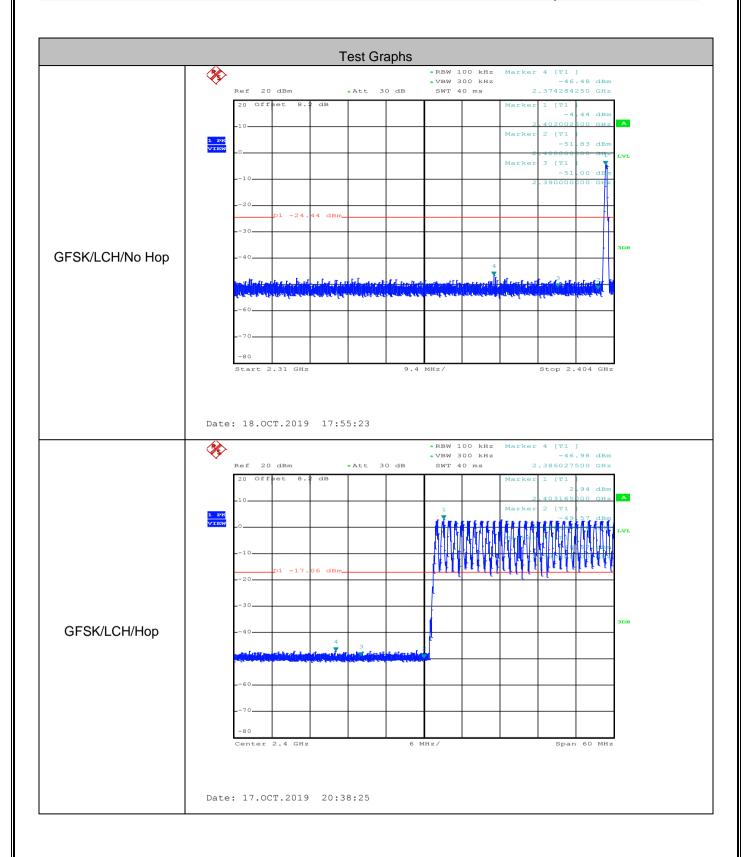


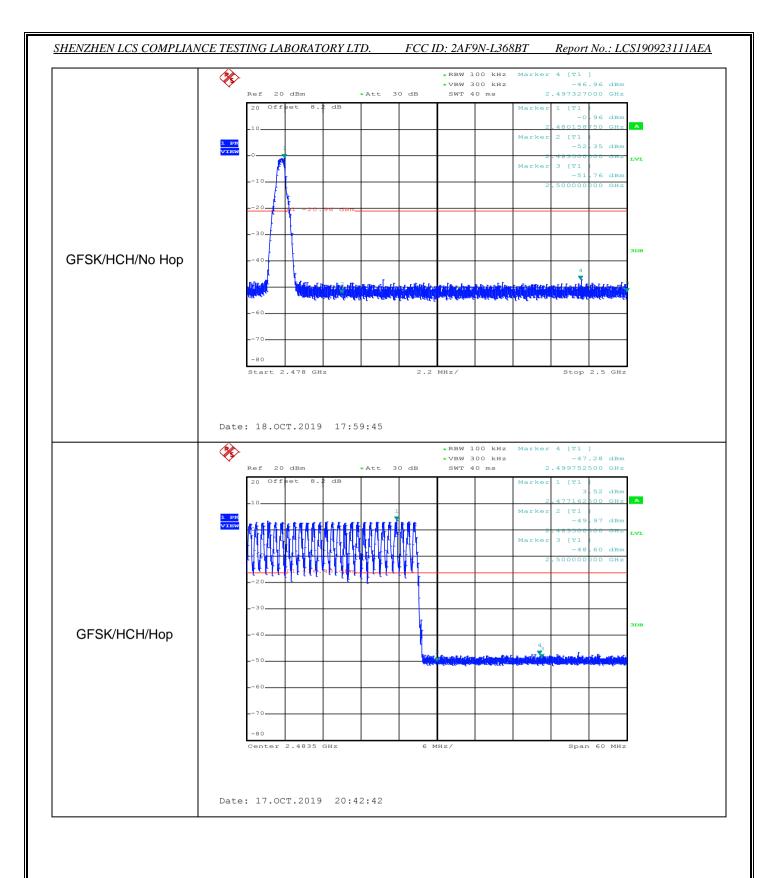


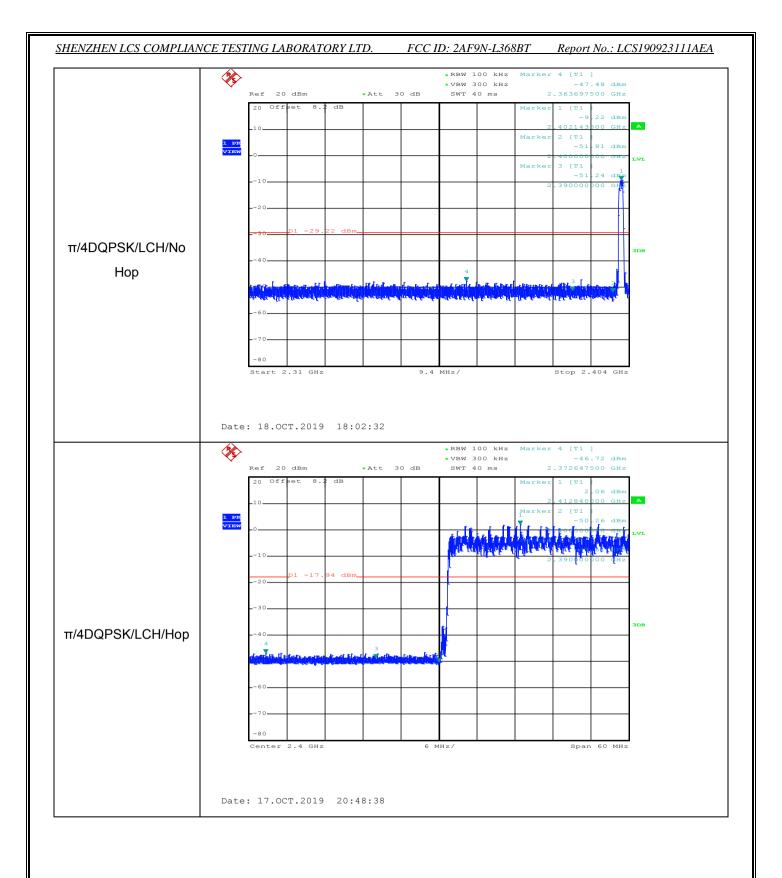
Date: 18.OCT.2019 18:07:11

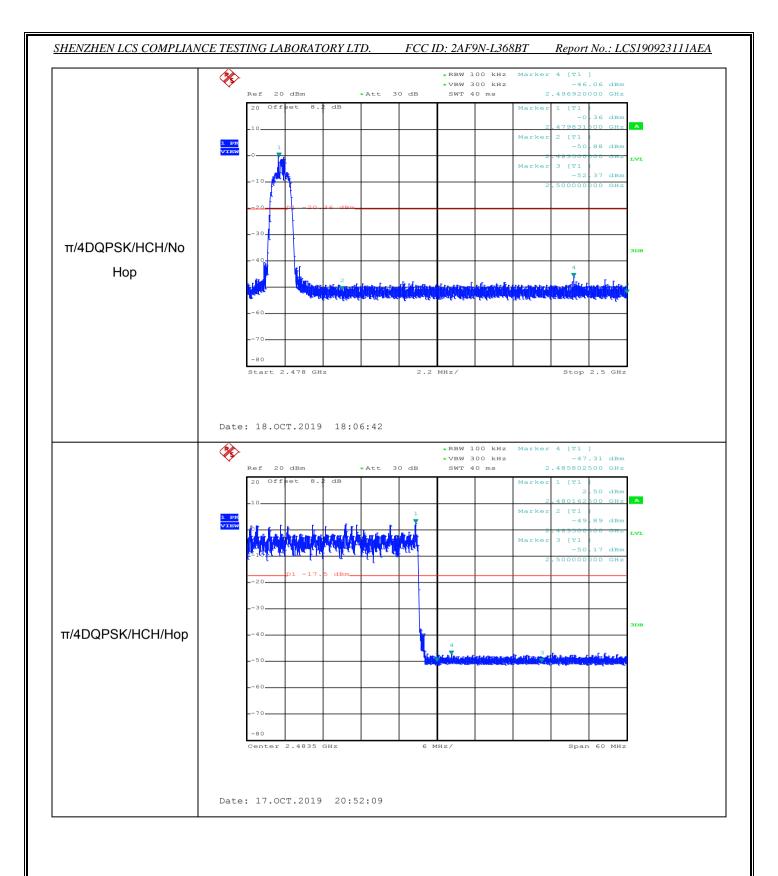
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
	LCH	0.400	-4.440	Off	-46.481	-24.44	PASS	
		2402	2.940	On	-46.979	-17.06	PASS	
GFSK				-0.960	Off	-46.959	-20.96	PASS
HCH	HCH	2480	3.520	On	-47.276	-16.48	PASS	
	LCH 2402	-9.220	Off	-47.482	-29.22	PASS		
π/4DQPSK		2402	2.060	On	-46.717	-17.94	PASS	
			-0.360	Off	-46.061	-20.36	PASS	
	HCH	CH 2480	2.500	On	-47.314	-17.5	PASS	





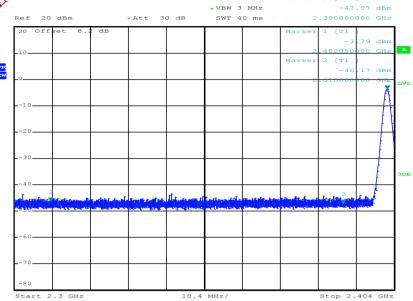




A.8 Restrict-band band-edge measurements

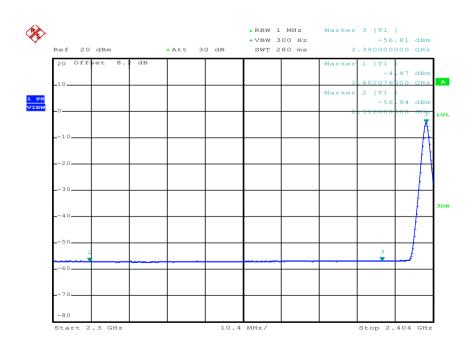
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-46.17	2.0	0	49.09	PEAK	74	PASS
	Off	2310.0	-56.94	2.0	0	38.32	AV	54	PASS
	Off	2390.0	-47.07	2.0	0	48.19	PEAK	74	PASS
	Off	2390.0	-56.81	2.0	0	38.45	AV	54	PASS
GFSK	Off	2483.5	-39.37	2.0	0	55.89	PEAK	74	PASS
	Off	2483.5	-42.46	2.0	0	52.80	AV	54	PASS
	Off	2500.0	-48.75	2.0	0	46.51	PEAK	74	PASS
	Off	2500.0	-57.33	2.0	0	37.93	AV	54	PASS
	Off	2310.0	-47.54	2.0	0	47.72	PEAK	74	PASS
	Off	2310.0	-56.99	2.0	0	38.27	AV	54	PASS
	Off	2390.0	-46.39	2.0	0	48.87	PEAK	74	PASS
	Off	2390.0	-56.83	2.0	0	38.43	AV	54	PASS
π/4DQPSK	Off	2483.5	-39.51	2.0	0	55.75	PEAK	74	PASS
	Off	2483.5	-44.69	2.0	0	50.57	AV	54	PASS
	Off	2500.0	-45.95	2.0	0	49.31	PEAK	74	PASS
	Off	2500.0	-57.30	2.0	0	37.96	AV	54	PASS





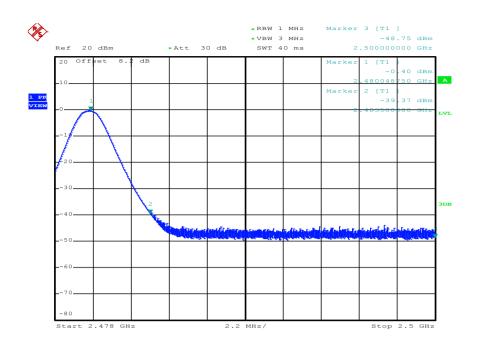
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Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



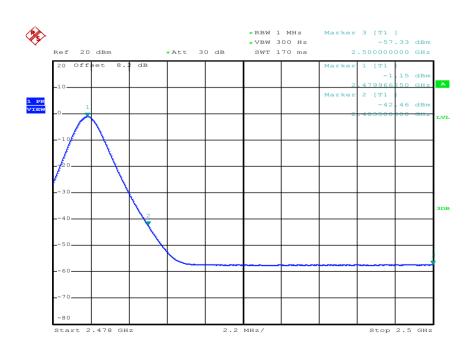
Date: 18.OCT.2019 17:56:23

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



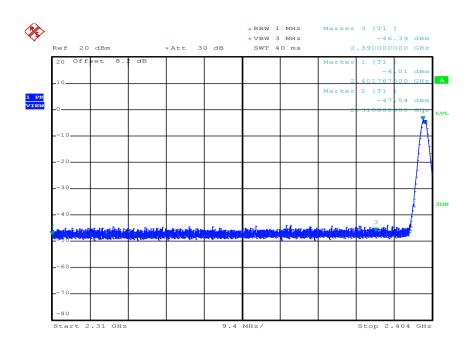
Date: 18.OCT.2019 18:00:31

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



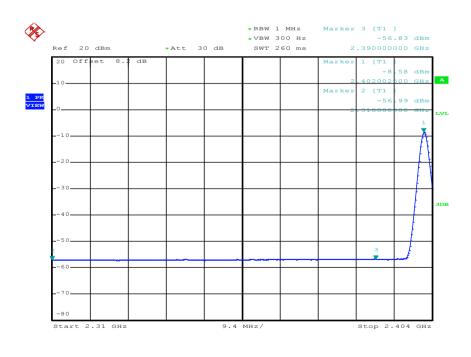
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Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



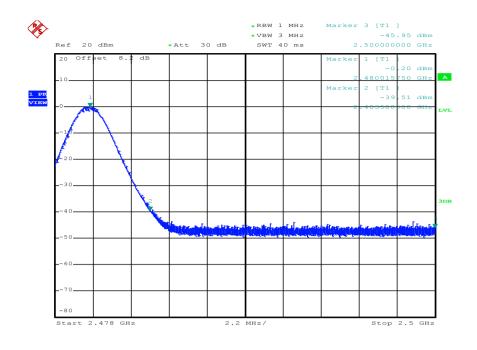
Date: 18.OCT.2019 18:03:18

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



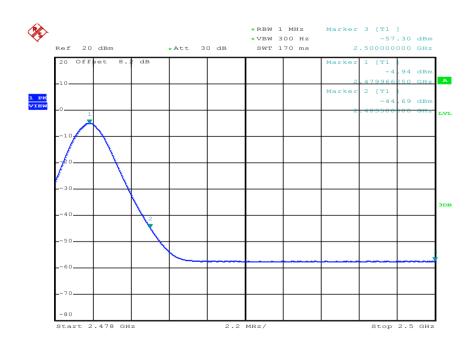
Date: 18.OCT.2019 18:03:31

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



Date: 18.OCT.2019 18:07:30

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



Date: 18.OCT.2019 18:07:43