Appendix A

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

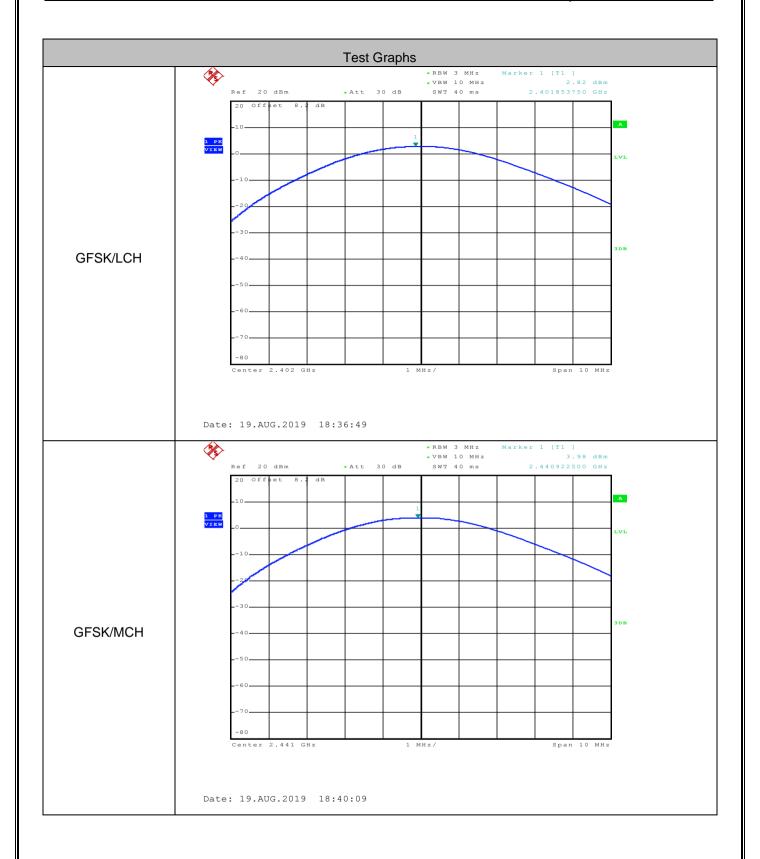
Product Name: Microphone Speaker Trade Mark: SUPERSONIC Test Model: SC-904BTK

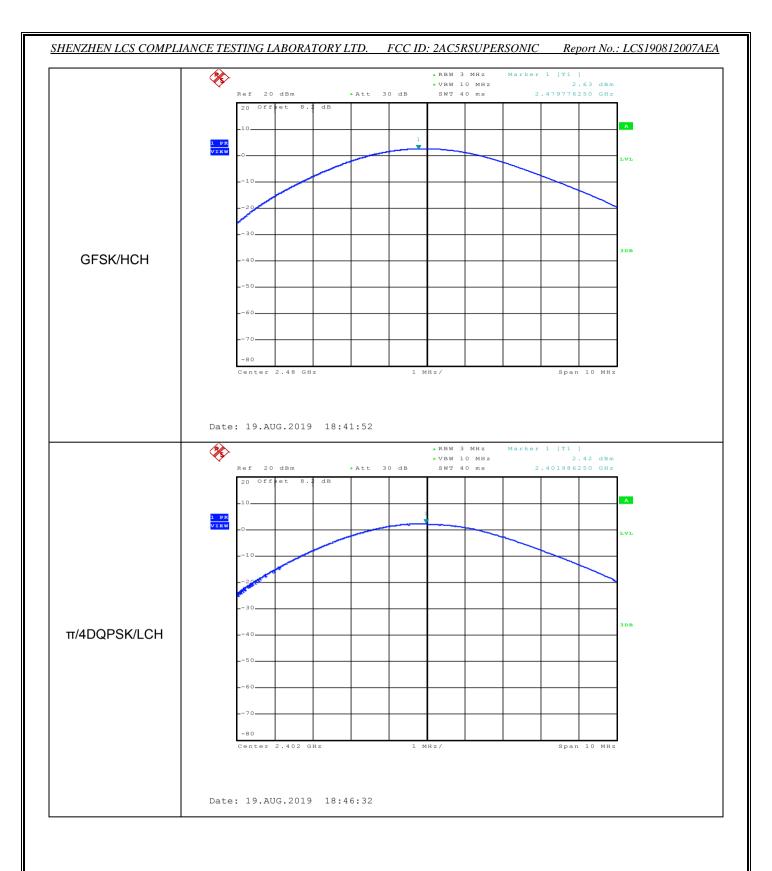
Environmental Conditions

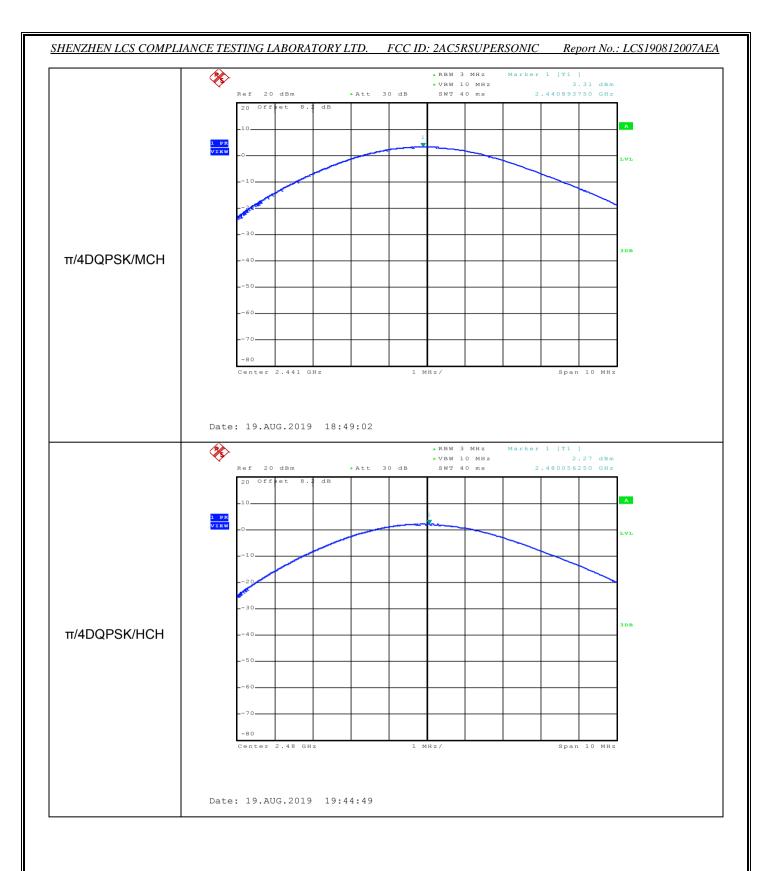
Temperature:	24.1°C
Relative Humidity:	52.8%
ATM Pressure:	100.0kPa
Test Engineer:	JERRY.ZENG
Supervised by:	Wang.Chuang

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	2.820	30	PASS
GFSK	MCH	3.980	30	PASS
	НСН	2.630	30	PASS
	LCH	2.420	21	PASS
π/4DQPSK	МСН	3.310	21	PASS
	НСН	2.270	21	PASS

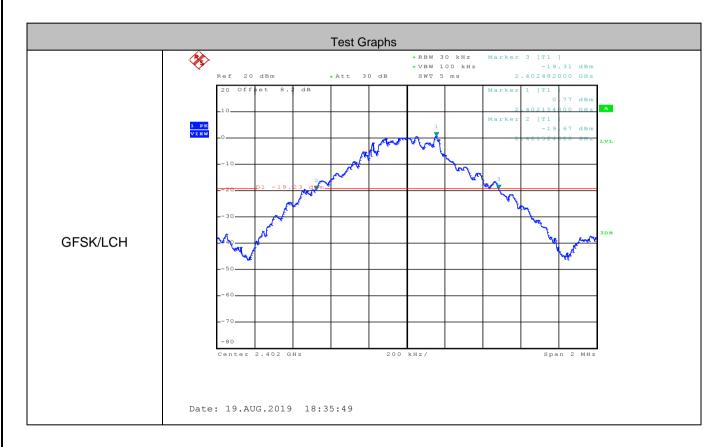


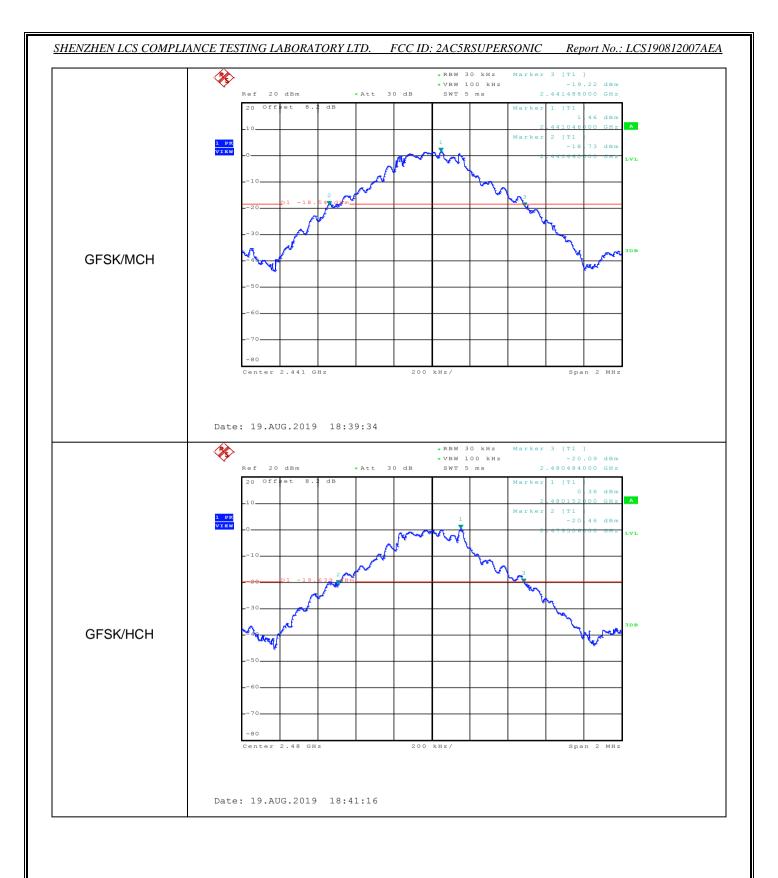


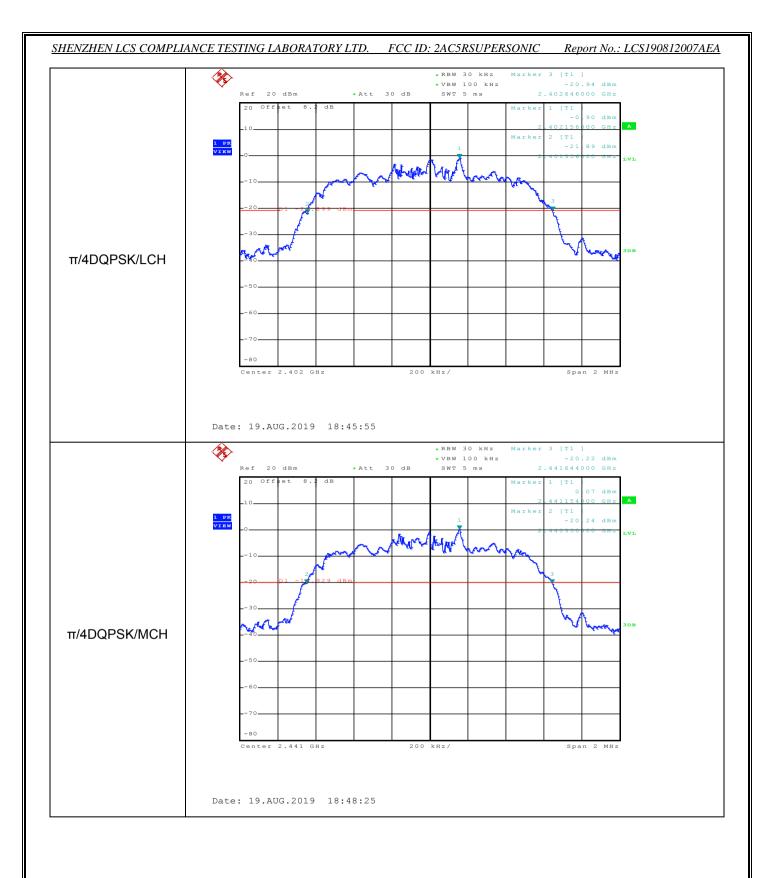


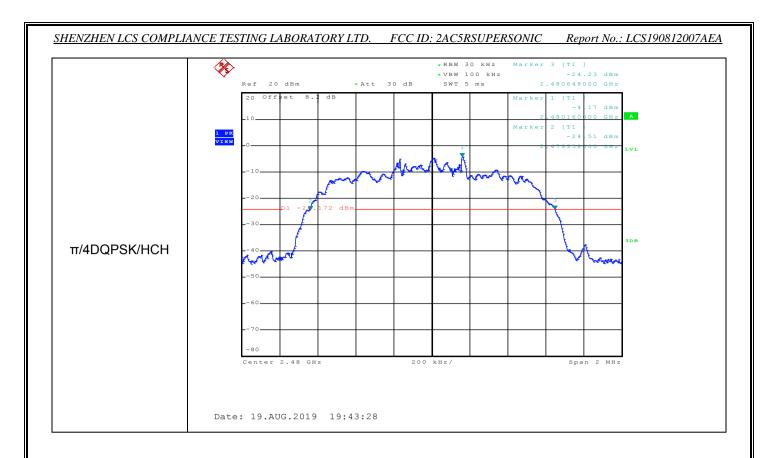
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.958	Not Specified	PASS
GFSK	MCH	1.028	Not Specified	PASS
	HCH	0.978	Not Specified	PASS
	LCH	1.290	Not Specified	PASS
π/4DQPSK	MCH	1.294	Not Specified	PASS
	HCH	1.290	Not Specified	PASS



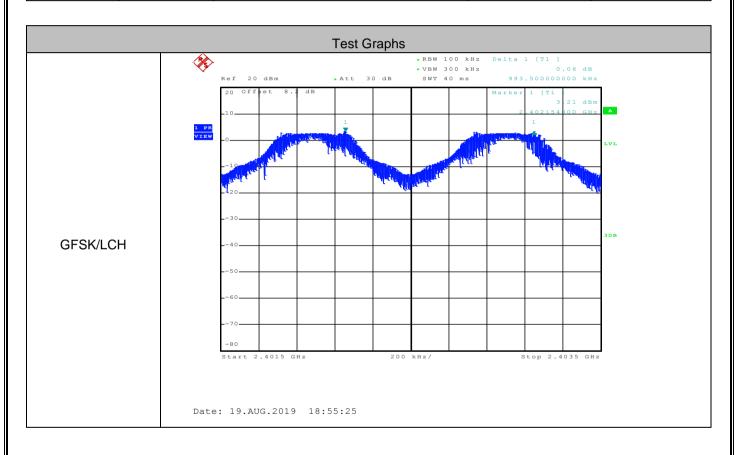


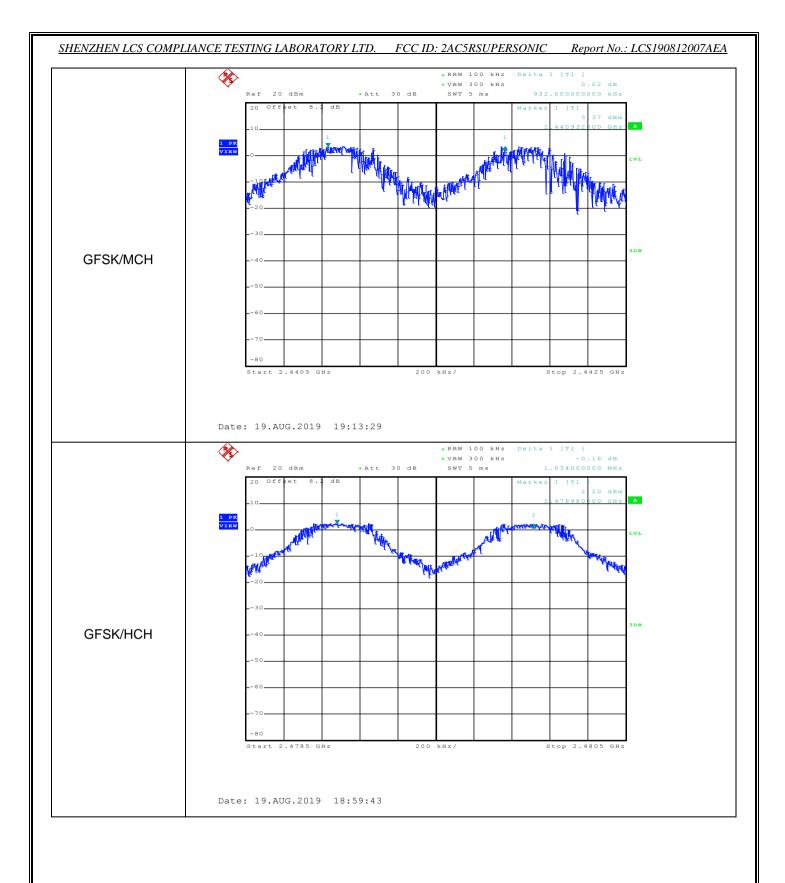


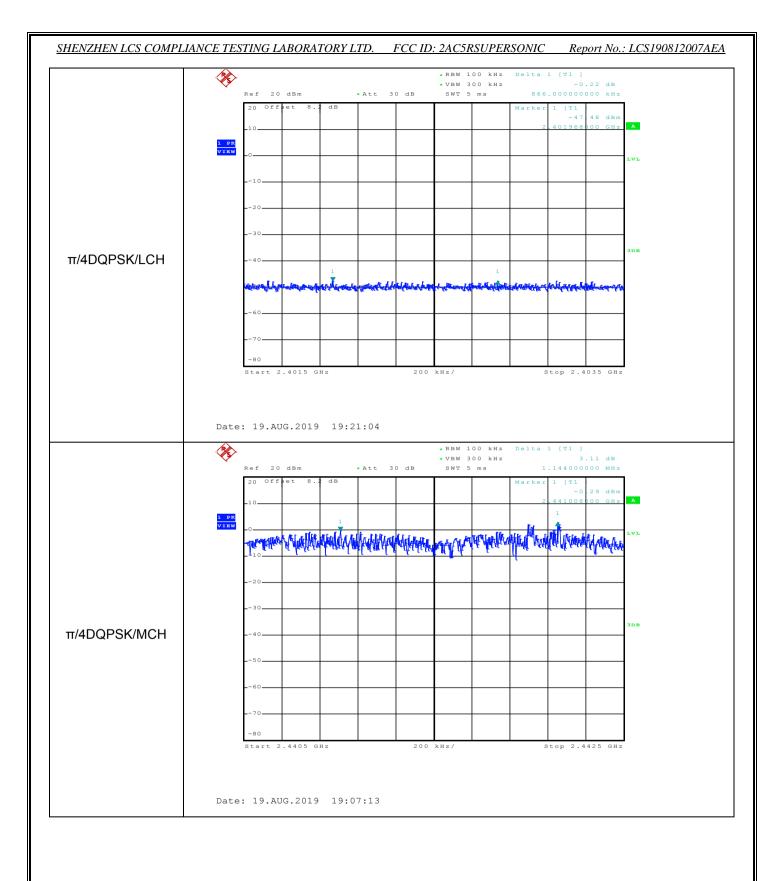


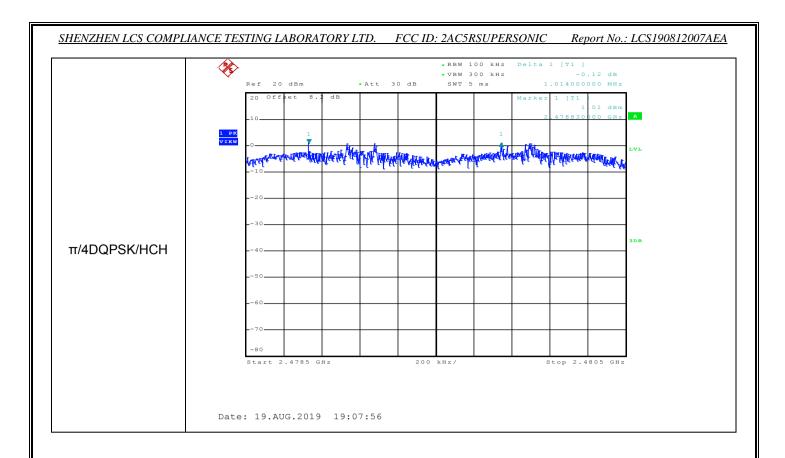
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.994	0.685	PASS
GFSK	MCH	0.932	0.685	PASS
	HCH	1.034	0.685	PASS
	LCH	0.866	0.879	PASS
π/4DQPSK	MCH	1.144	0.879	PASS
	НСН	1.014	0.879	PASS



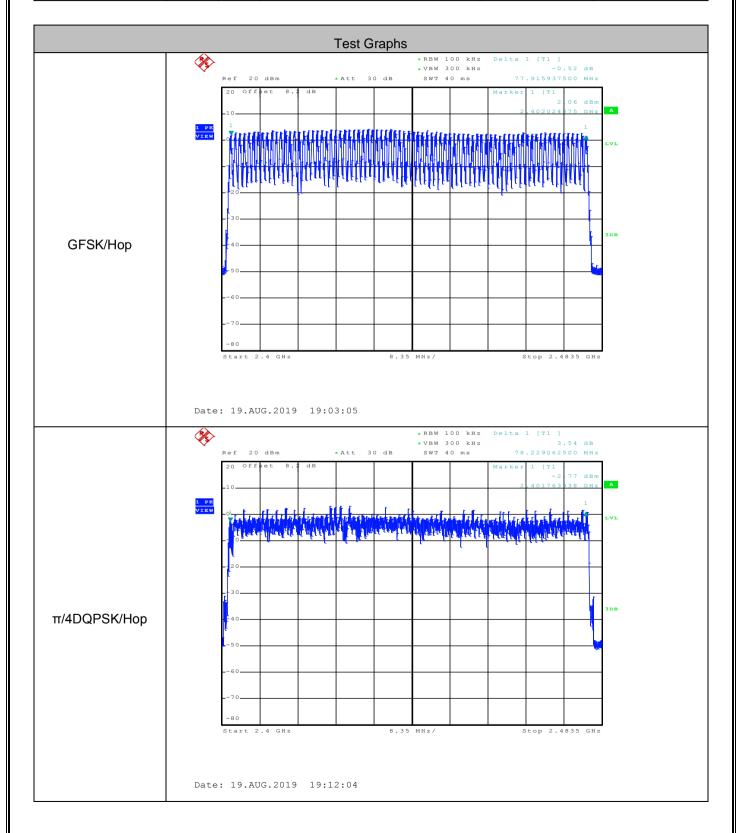






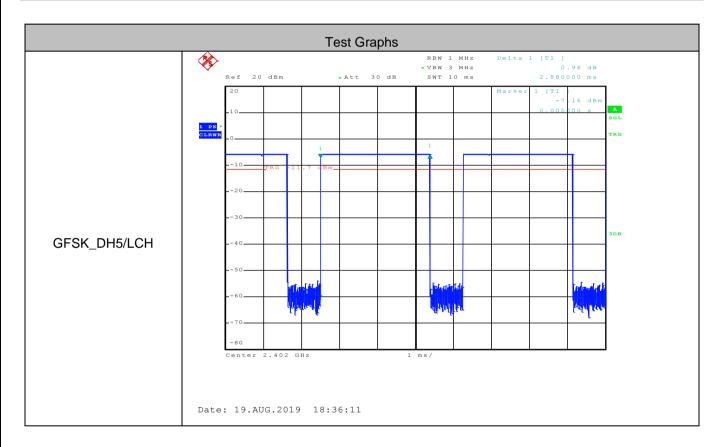
A.4 Hopping Channel Number

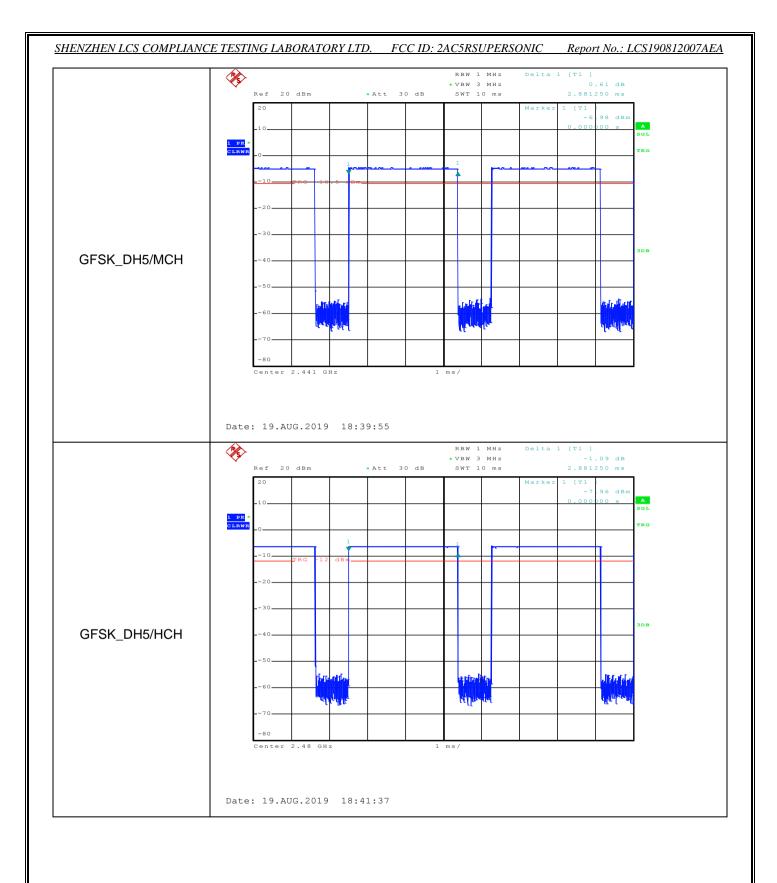
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS

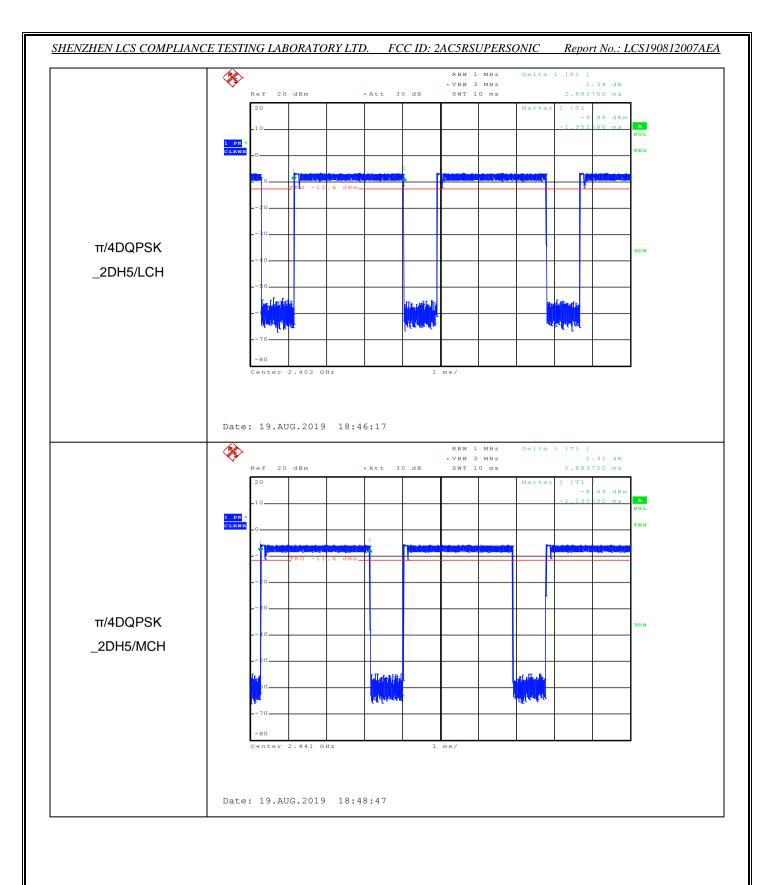


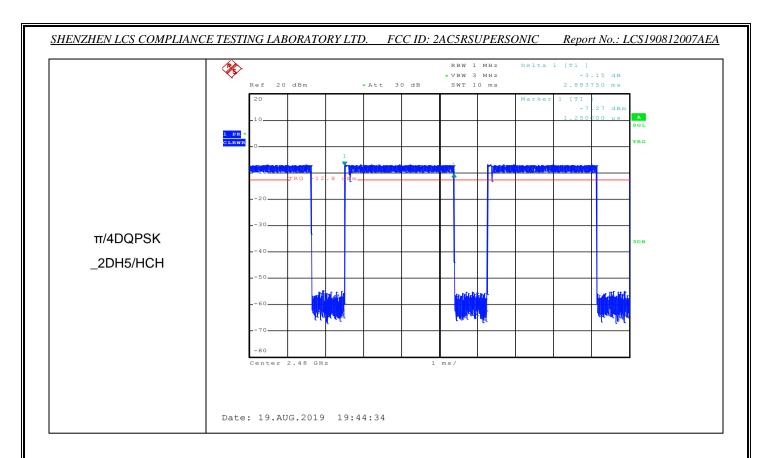
A.5 Dwell Time

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



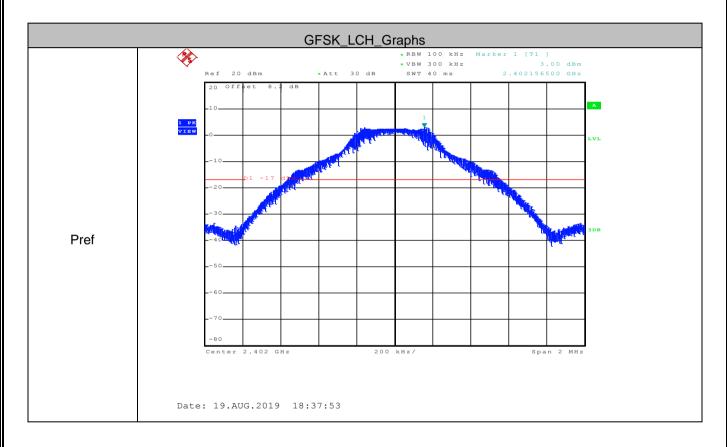


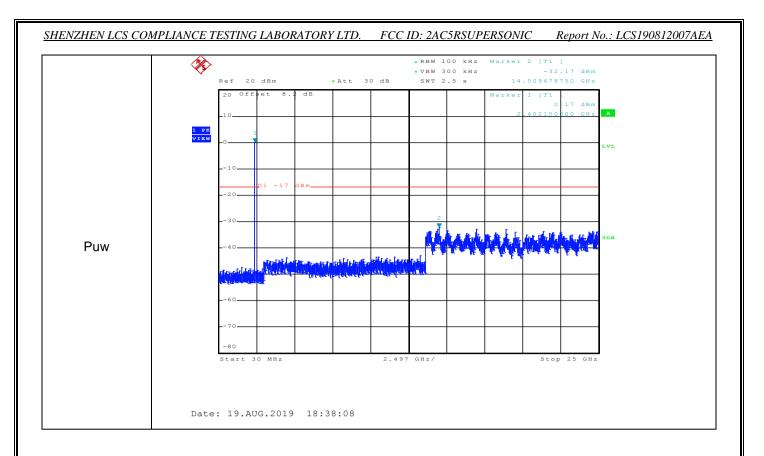


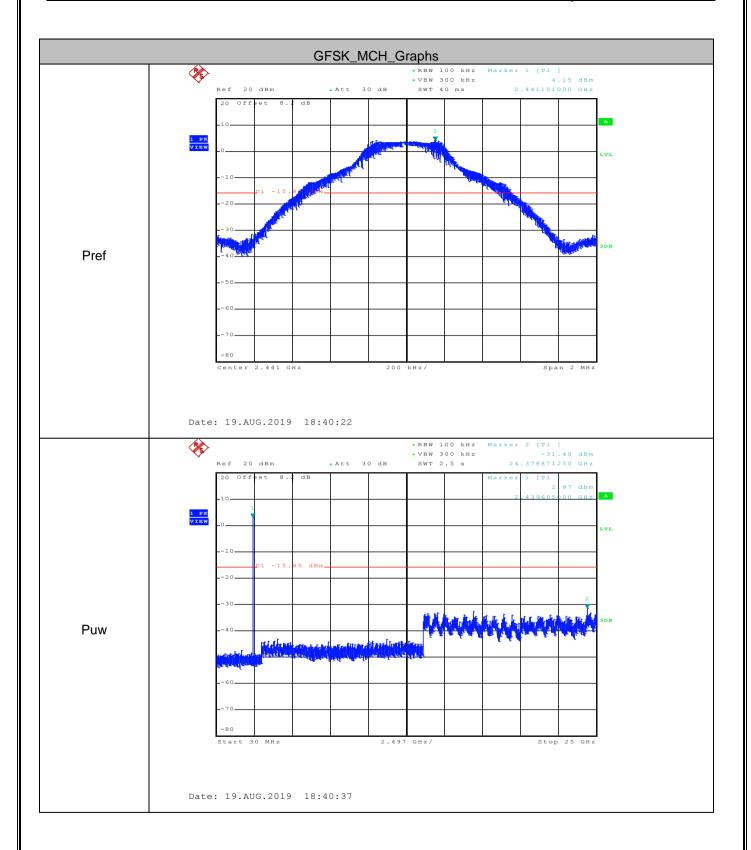


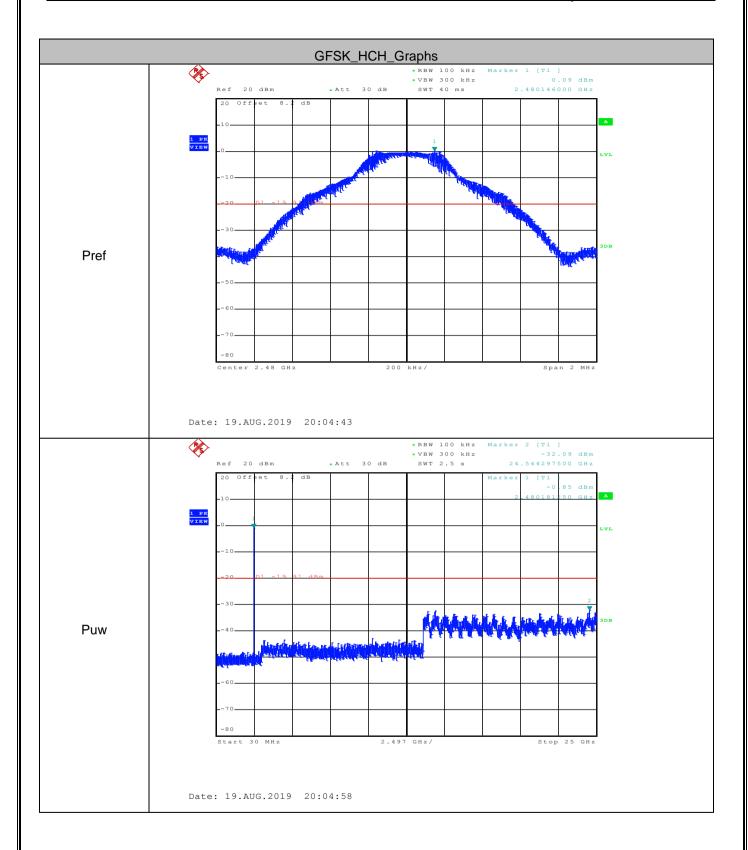
A.6 RF Conducted Spurious Emissions

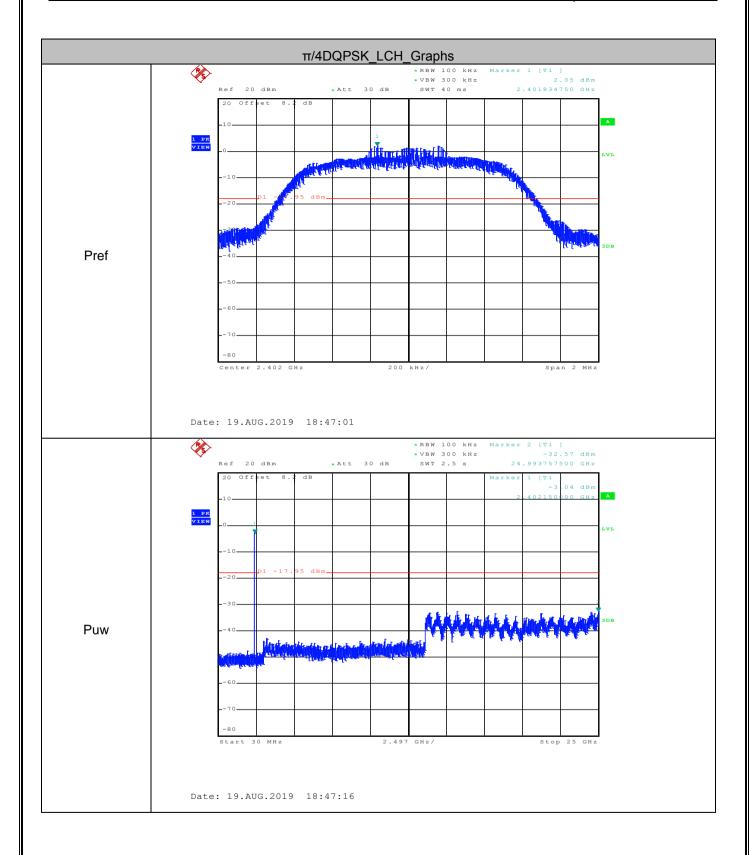
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	3	-32.170	-17.000	PASS
GFSK	MCH	4.15	-31.400	-15.850	PASS
	HCH	0.09	-32.090	-19.910	PASS
	LCH	2.05	-32.570	-17.950	PASS
π/4DQPSK	4DQPSK MCH 2.97		-32.780	-17.030	PASS
	HCH	-1.15	-32.300	-21.150	PASS

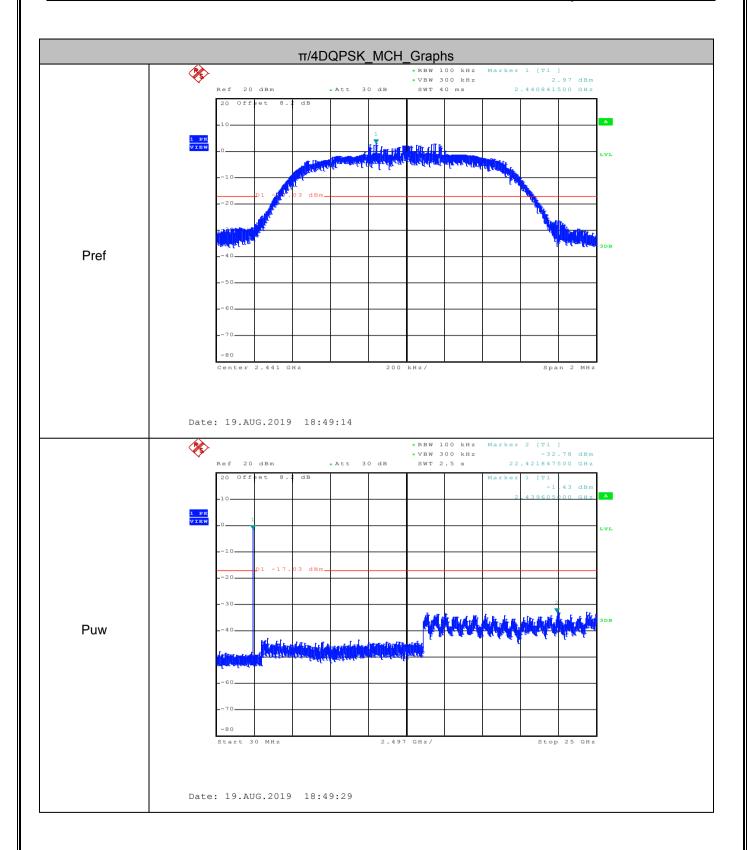


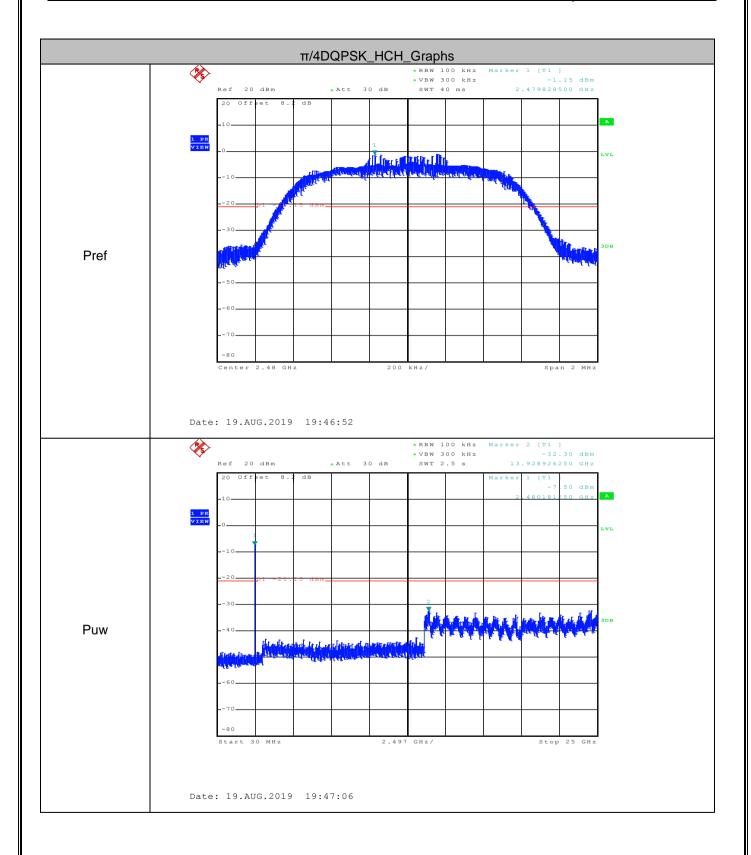






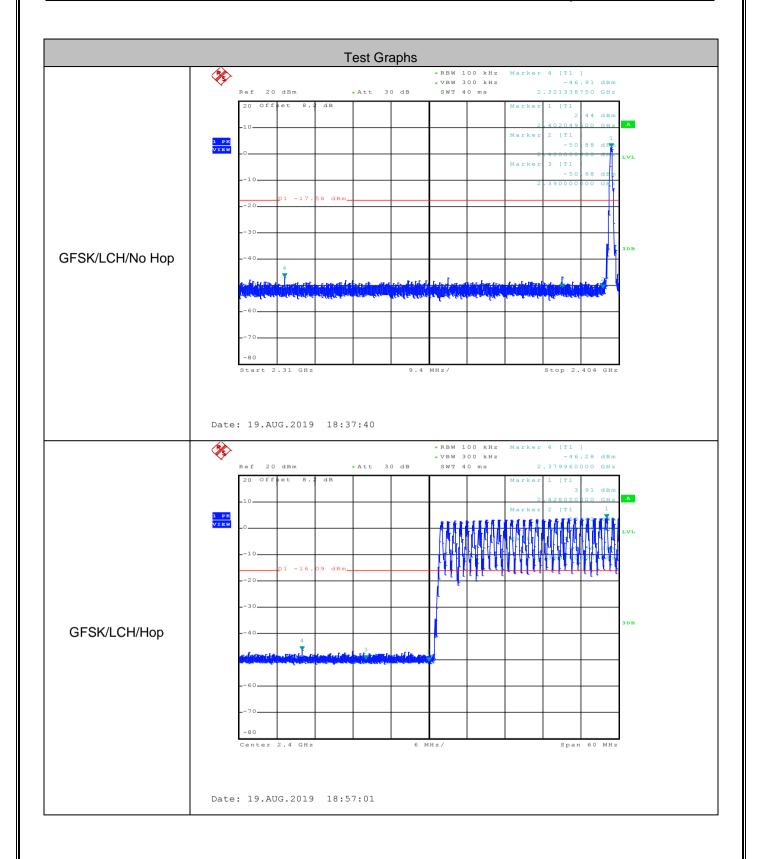


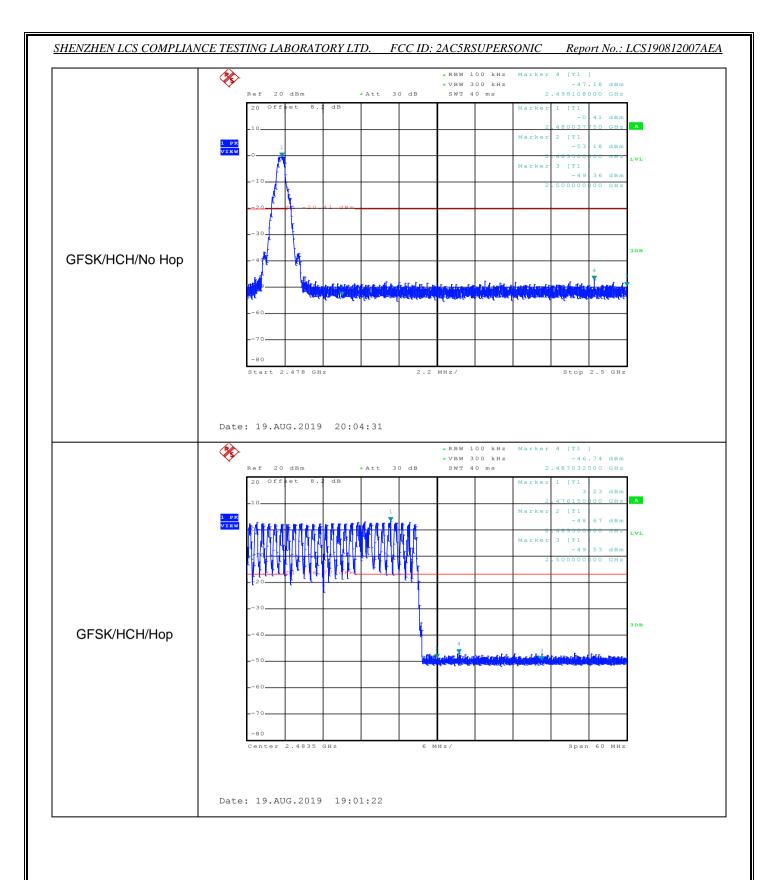


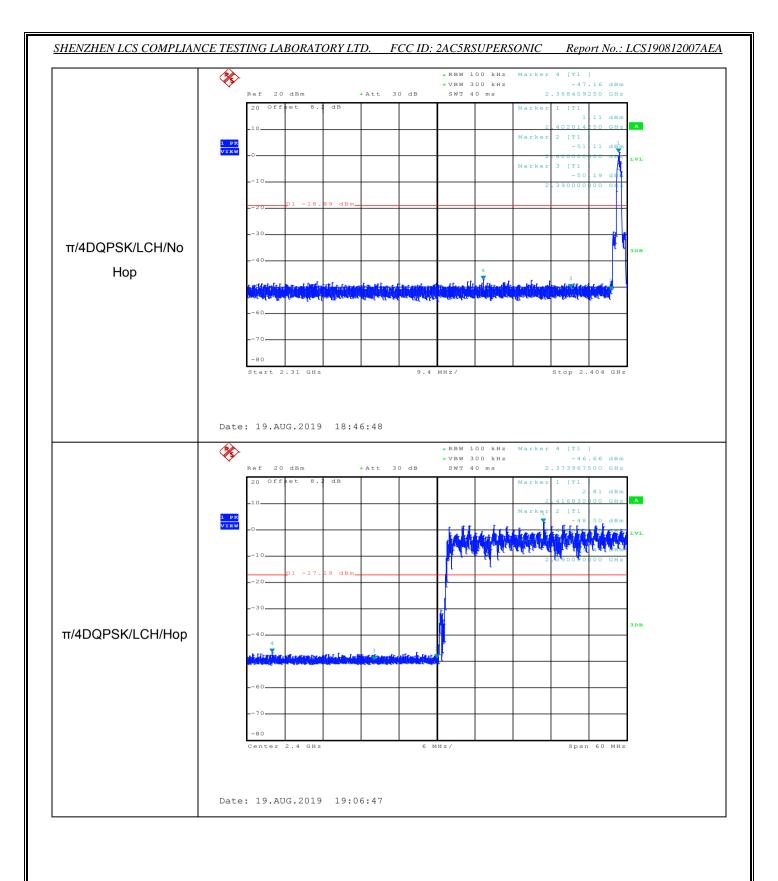


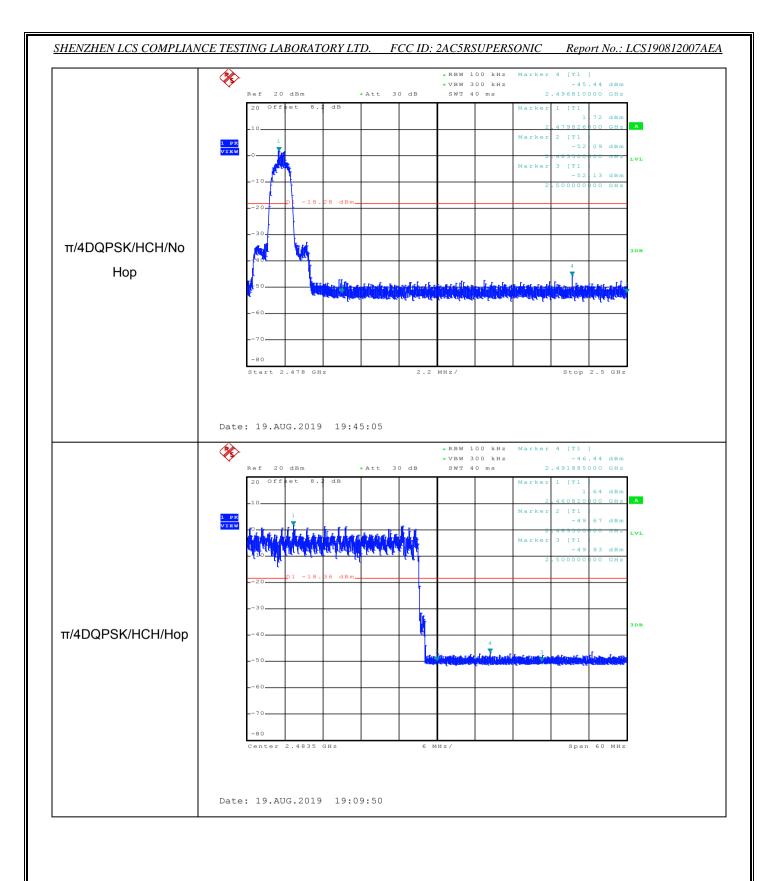
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict		
	LCH		0.400	2.440	Off	-46.906	-17.56	PASS	
		2402	3.910	On	-46.275	-16.09	PASS		
GFSK	НСН	НСН	HCH 2480		-0.410	Off	-47.180	-20.41	PASS
				2480	3.230	On	-46.736	-16.77	PASS
	LCH 2402		1.110	Off	-47.155	-18.89	PASS		
π/4DQPSK		2402	2.810	On	-46.660	-17.19	PASS		
			1.720	Off	-45.438	-18.28	PASS		
	HCH	2480	1.640	On	-46.440	-18.36	PASS		





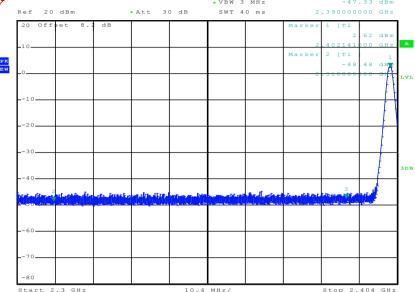




A.8 Restrict-band band-edge measurements

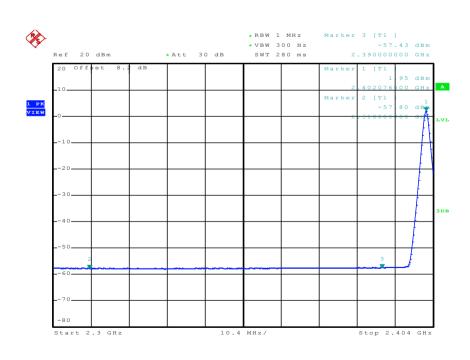
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-48.48	2.0	0	48.78	PEAK	74	PASS
	Off	2310.0	-57.80	2.0	0	39.46	AV	54	PASS
	Off	2390.0	-47.33	2.0	0	49.93	PEAK	74	PASS
	Off	2390.0	-57.43	2.0	0	39.83	AV	54	PASS
GFSK	Off	2483.5	-46.22	2.0	0	51.04	PEAK	74	PASS
	Off	2483.5	-53.02	2.0	0	44.24	AV	54	PASS
	Off	2500.0	-48.74	2.0	0	48.52	PEAK	74	PASS
	Off	2500.0	-58.09	2.0	0	39.17	AV	54	PASS
	Off	2310.0	-46.76	2.0	0	50.50	PEAK	74	PASS
	Off	2310.0	-57.78	2.0	0	39.48	AV	54	PASS
	Off	2390.0	-47.07	2.0	0	50.19	PEAK	74	PASS
	Off	2390.0	-57.31	2.0	0	39.95	AV	54	PASS
π/4DQPSK	Off	2483.5	-40.17	2.0	0	57.09	PEAK	74	PASS
	Off	2483.5	-45.27	2.0	0	51.99	AV	54	PASS
	Off	2500.0	-46.60	2.0	0	50.66	PEAK	74	PASS
	Off	2500.0	-58.09	2.0	0	39.17	AV	54	PASS





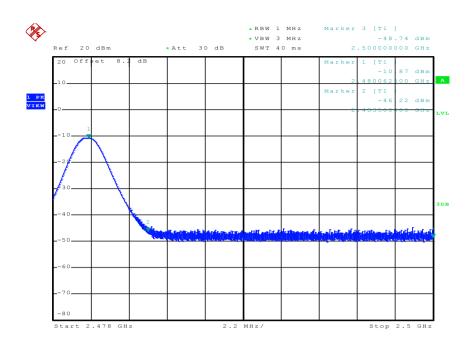
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Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



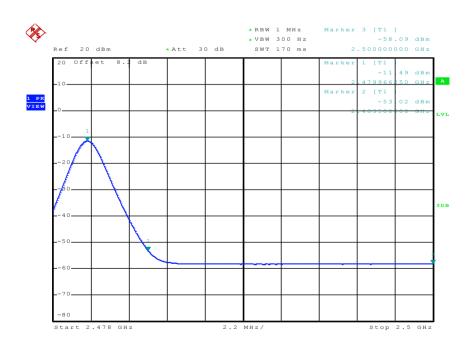
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Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



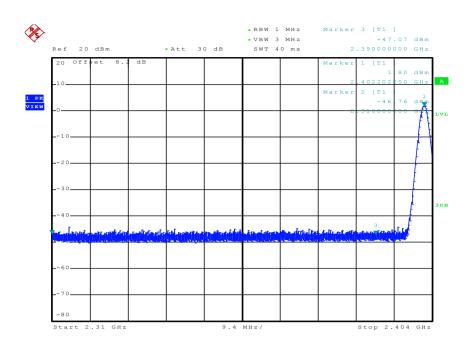
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Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



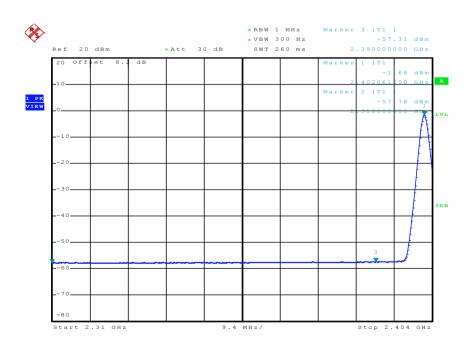
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Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



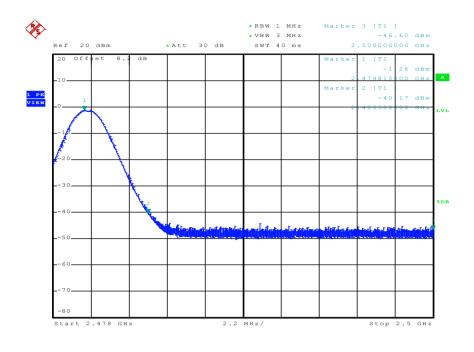
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Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



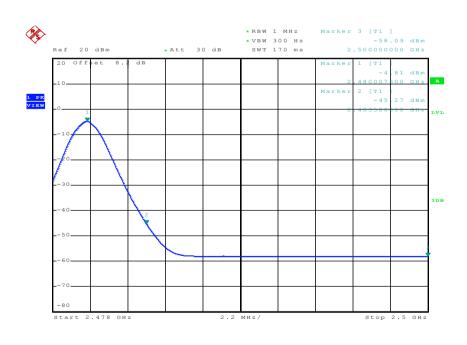
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Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



Date: 19.AUG.2019 19:47:25

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



Date: 19.AUG.2019 19:47:38