Appendix A

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

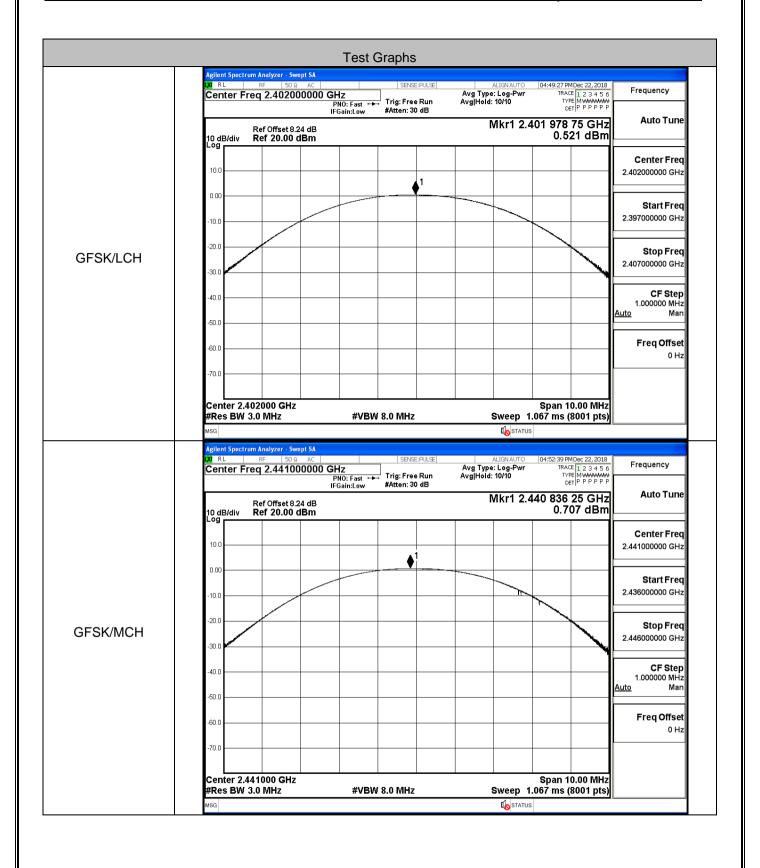
Product Name: Bamboo Bluetooth Speaker Trade Mark: N/A Test Model: XO-9700

Environmental Conditions

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Temperature:	24.6 ° C
Relative Humidity:	54.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Francis Zhang&Mina Xu
Supervised by:	Jayden.Zhuo

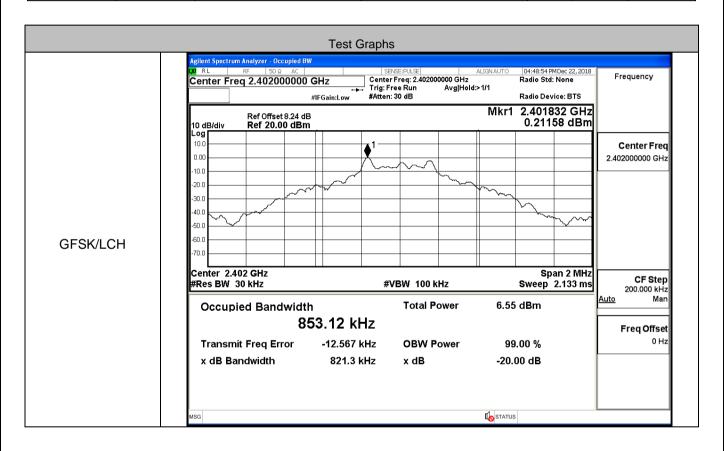
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.521	21	PASS
GFSK	MCH	0.707	21	PASS
	НСН	0.661	21	PASS
	LCH	-0.423	21	PASS
π/4DQPSK	MCH	-0.255	21	PASS
	НСН	-0.543	21	PASS



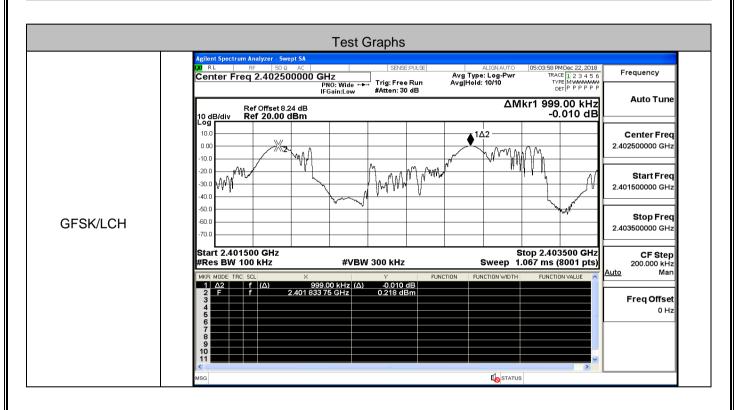
A.2 99% and 20dB Bandwidth

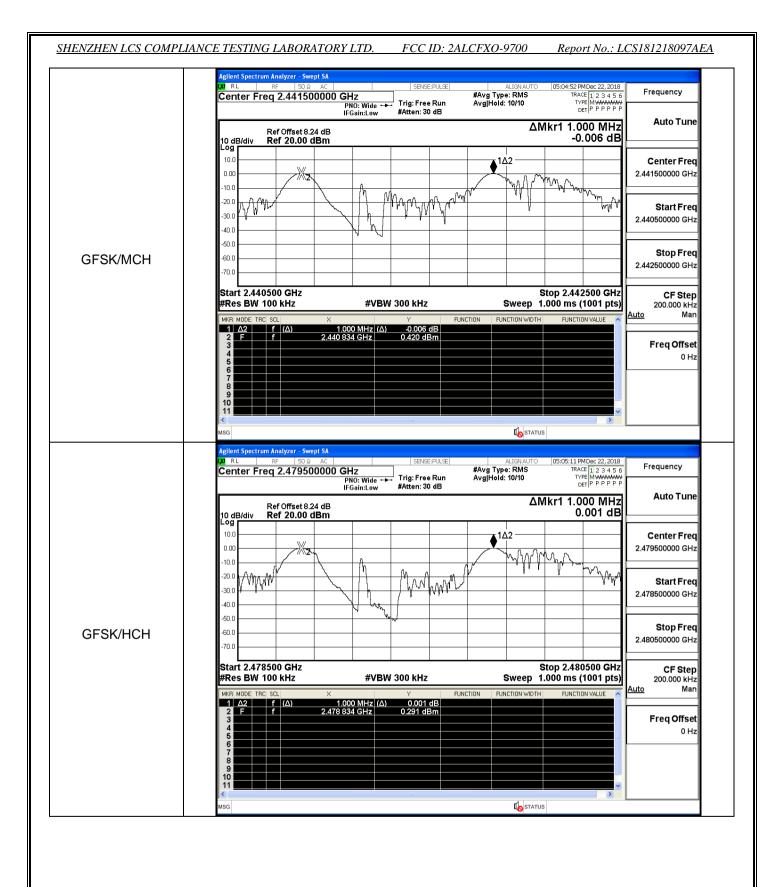
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.85312	.85312 0.8213		PASS
GFSK	MCH	0.85897	0.8243	Not Specified	PASS
	НСН	0.85908	0.8261	Not Specified	PASS
	LCH	1.0638	1.102	Not Specified	PASS
π/4DQPSK	MCH	1.0630	1.113	Not Specified	PASS
	НСН	1.0632	1.106	Not Specified	PASS

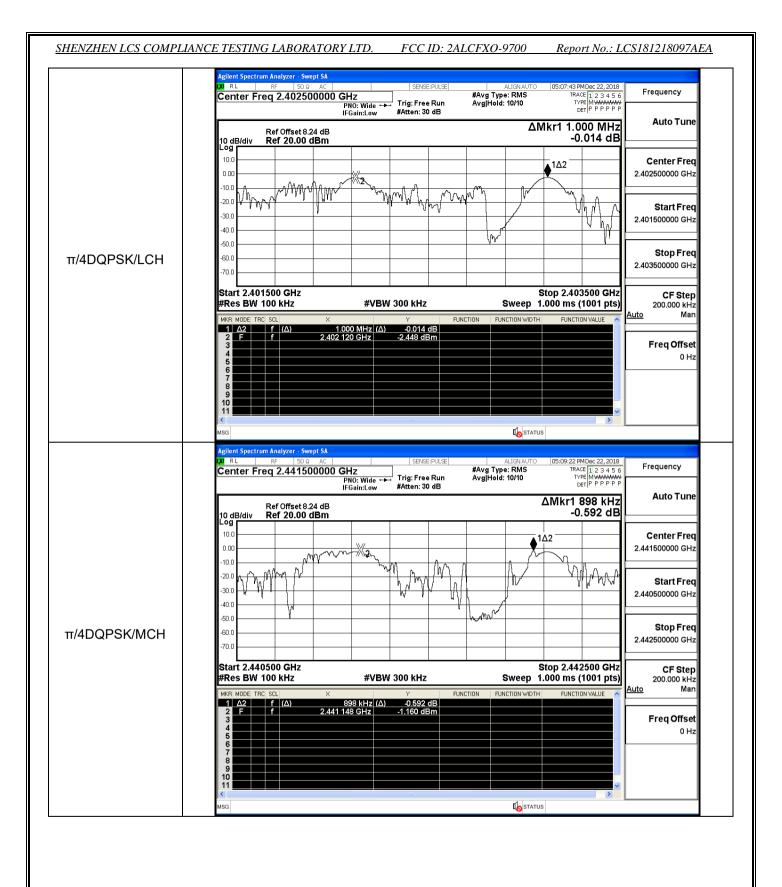


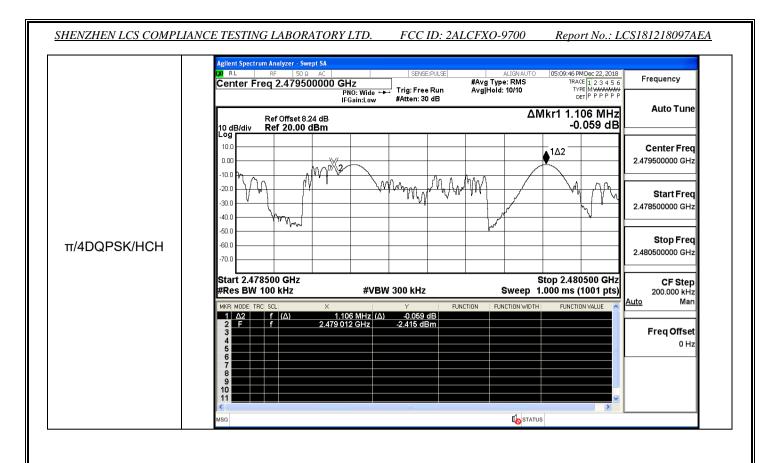
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.999	0.551	PASS
GFSK	MCH	1.000	0.551	PASS
	HCH	1.000	0.551	PASS
	LCH	1.000	0.742	PASS
π/4DQPSK	MCH	0.898	0.742	PASS
	НСН	1.106	0.742	PASS



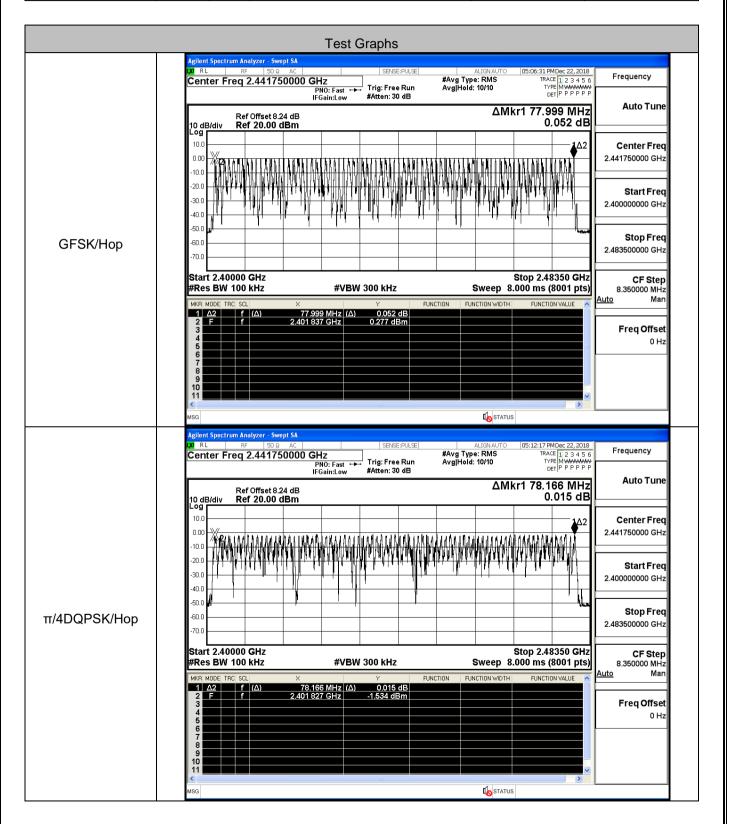






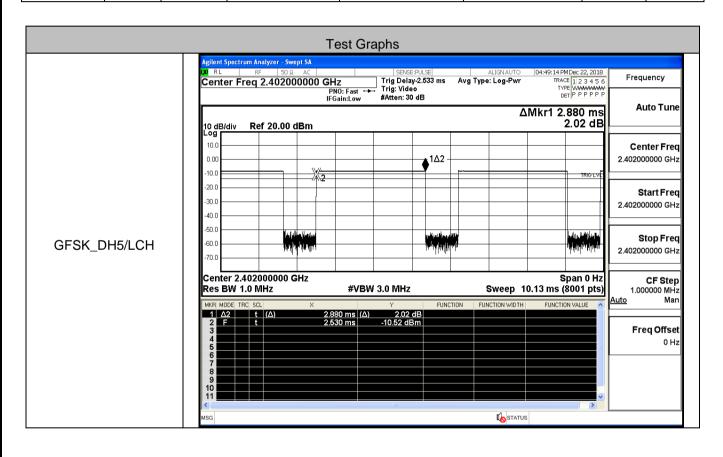
A.4 Hopping Channel Number

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



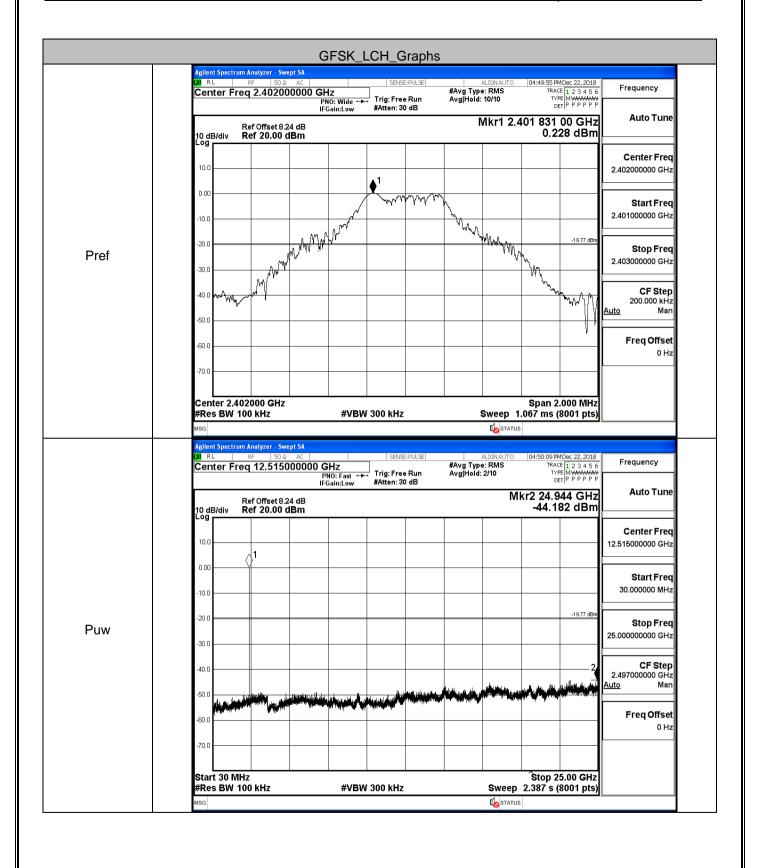
A.5 Dwell Time

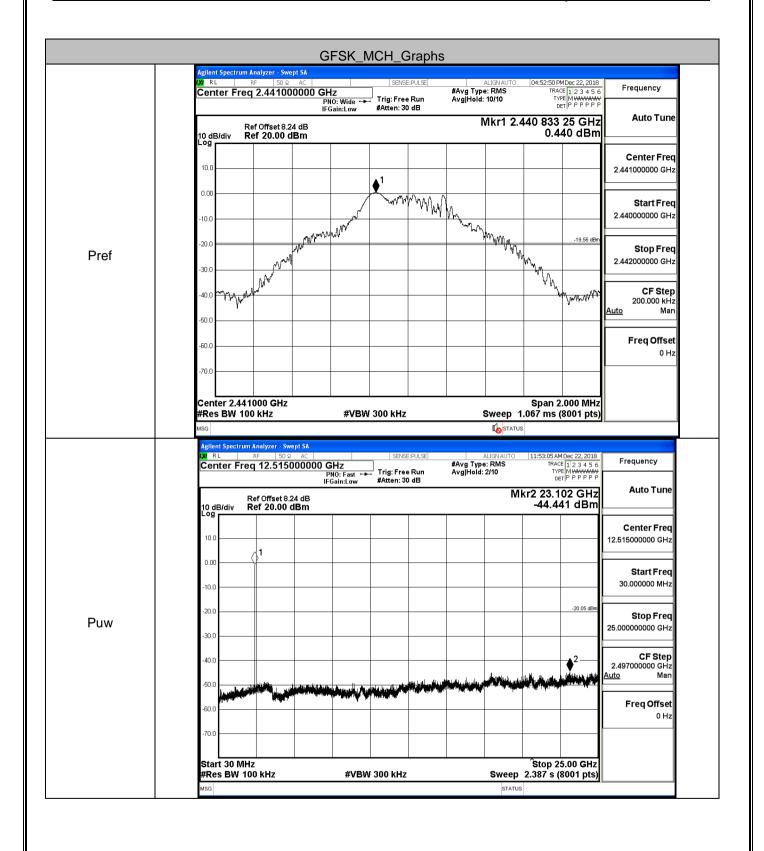
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	МСН	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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

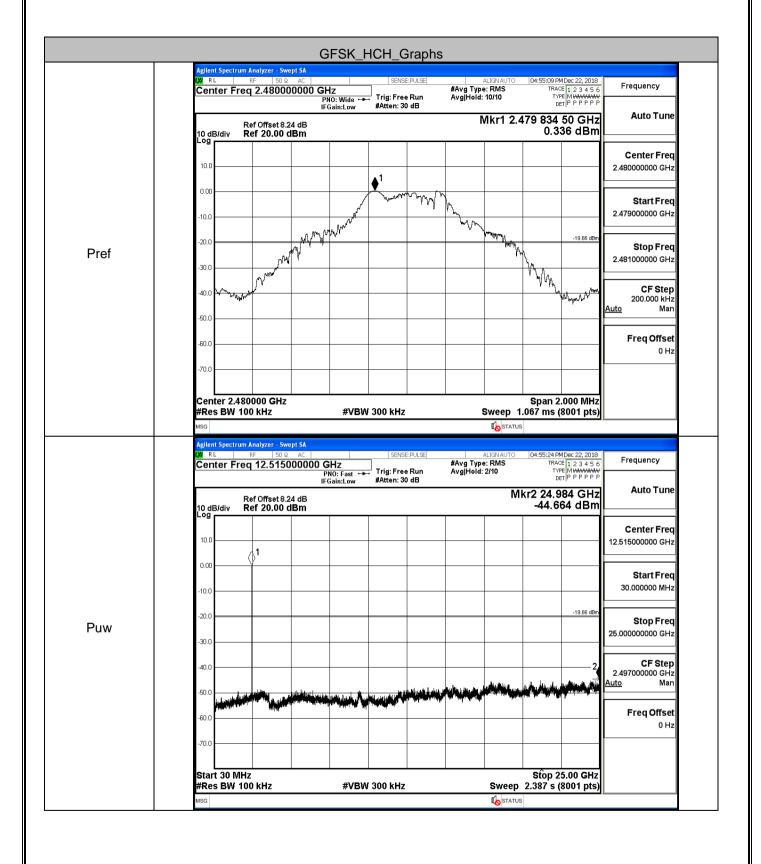


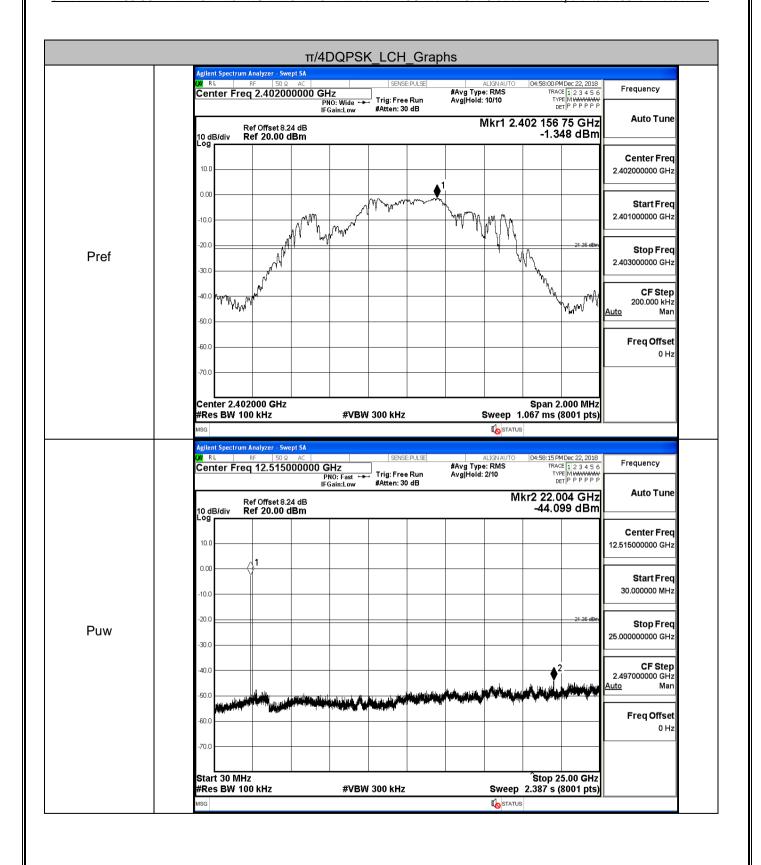
A.6 RF Conducted Spurious Emissions

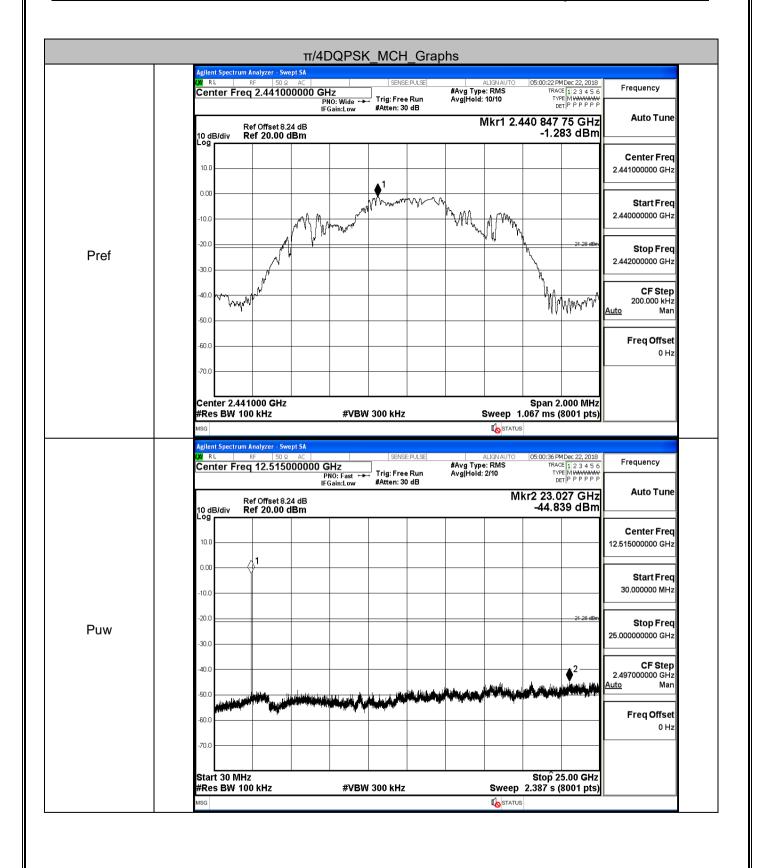
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.228	-44.182	-19.772	PASS
GFSK	MCH	-0.053	-44.441	-20.053	PASS
	НСН	0.336	-44.664	-19.664	PASS
	LCH	-1.348	-44.099	-21.348	PASS
π/4DQPSK	MCH -1.283		-44.839	-21.283	PASS
	HCH	-2.184	-43.562	-22.184	PASS

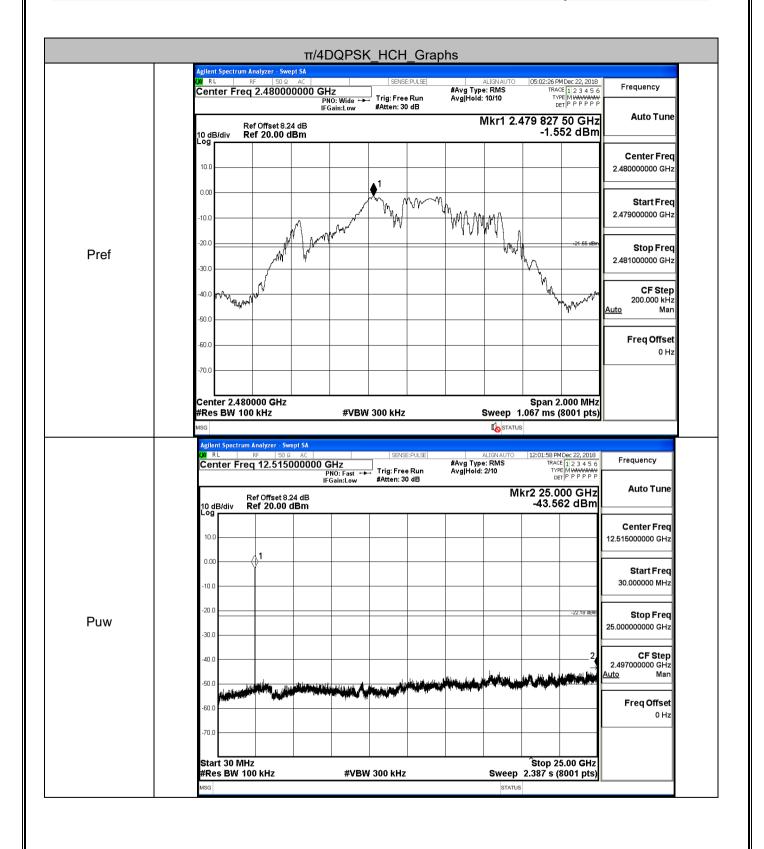






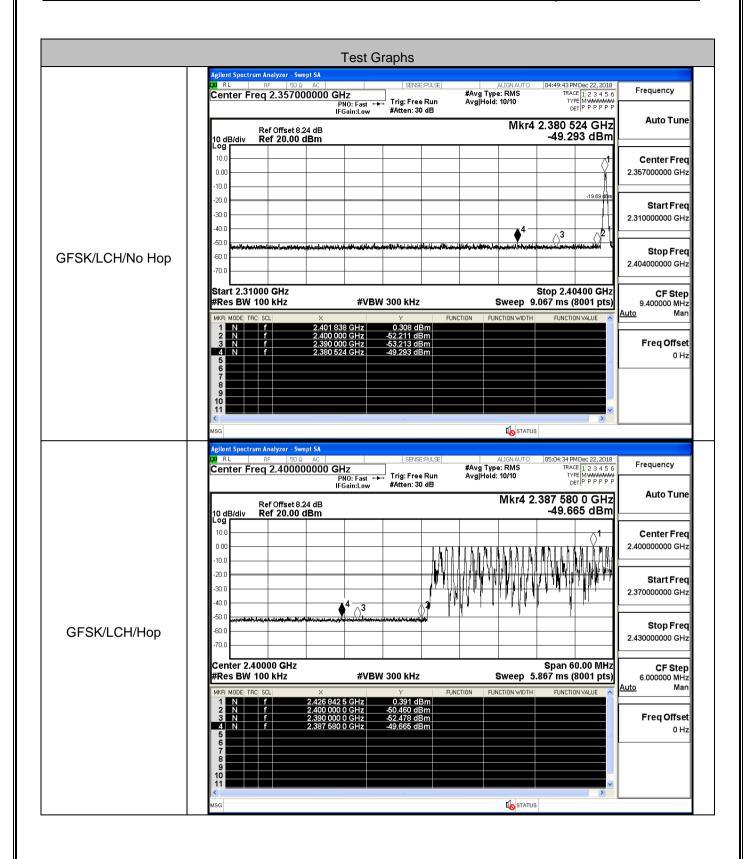


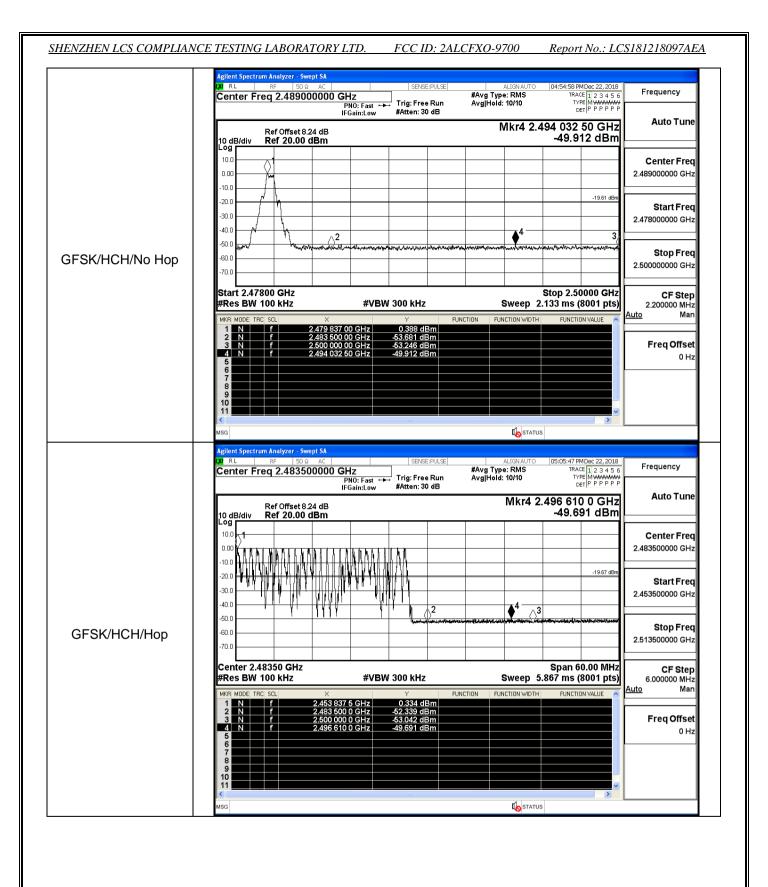


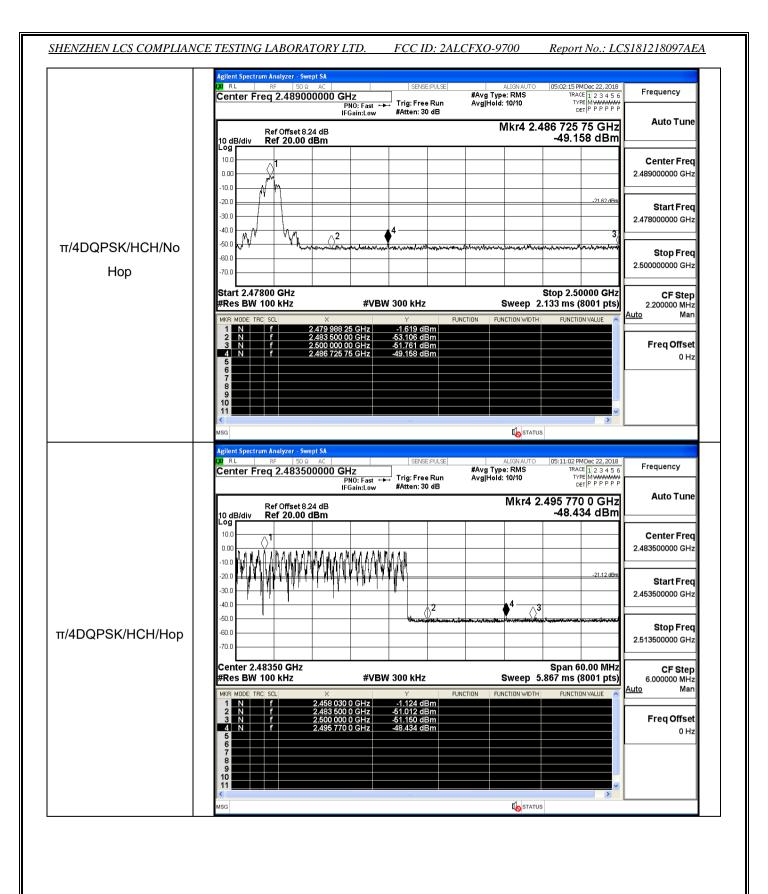


A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	0.308	Off	-49.293	-19.69	PASS
0=014	LCH	2402	0.391	On	-49.665	-19.61	PASS
GFSK		2480	0.388	Off	-49.912	-19.61	PASS
	HCH		0.334	On	-49.691	-19.67	PASS
		0.400	-1.106	Off	-49.582	-21.11	PASS
π/4DQPSK	LCH	2402	-1.158	On	-49.162	-21.16	PASS
		0.400	-1.619	Off	-49.158	-21.62	PASS
	HCH	2480	-1.124	On	-48.434	-21.12	PASS



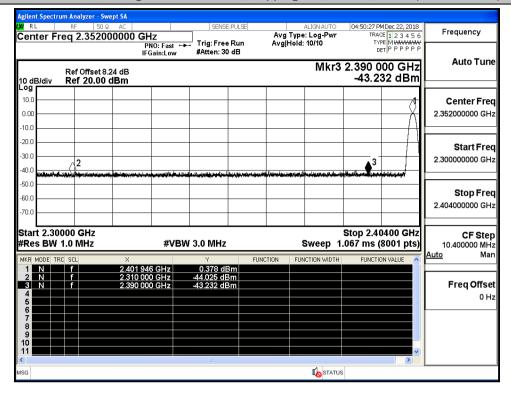




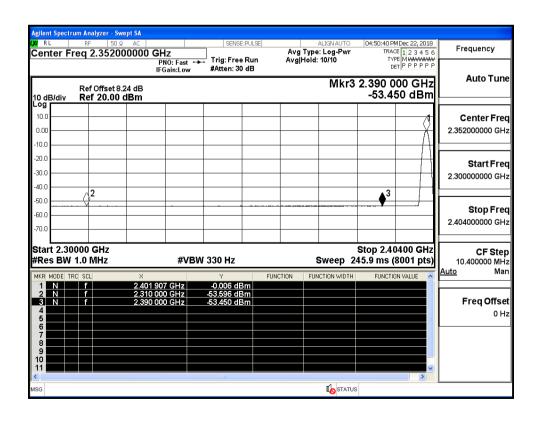
A.8 Restrict-band band-edge measurements

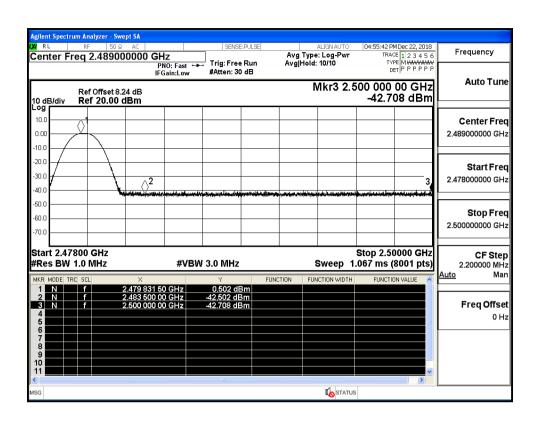
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.03	2.0	0	51.23	PEAK	74	PASS
	Off	2310.0	-53.60	2.0	0	41.66	AV	54	PASS
	Off	2390.0	-43.23	2.0	0	52.03	PEAK	74	PASS
	Off	2390.0	-53.45	2.0	0	41.81	AV	54	PASS
GFSK	Off	2483.5	-42.50	2.0	0	52.76	PEAK	74	PASS
	Off	2483.5	-53.04	2.0	0	42.22	AV	54	PASS
	Off	2500.0	-42.71	2.0	0	52.55	PEAK	74	PASS
	Off	2500.0	-52.96	2.0	0	42.30	AV	54	PASS
	Off	2310.0	-43.44	2.0	0	51.82	PEAK	74	PASS
	Off	2310.0	-53.57	2.0	0	41.69	AV	54	PASS
	Off	2390.0	-42.40	2.0	0	52.86	PEAK	74	PASS
	Off	2390.0	-53.34	2.0	0	41.92	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.93	2.0	0	52.33	PEAK	74	PASS
	Off	2483.5	-52.95	2.0	0	42.31	AV	54	PASS
	Off	2500.0	-42.35	2.0	0	52.91	PEAK	74	PASS
	Off	2500.0	-52.99	2.0	0	42.27	AV	54	PASS

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

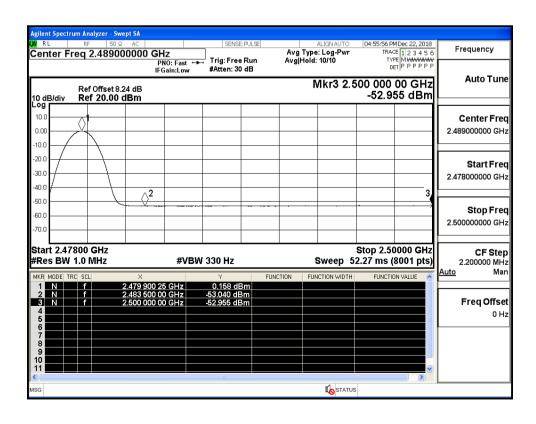


Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)

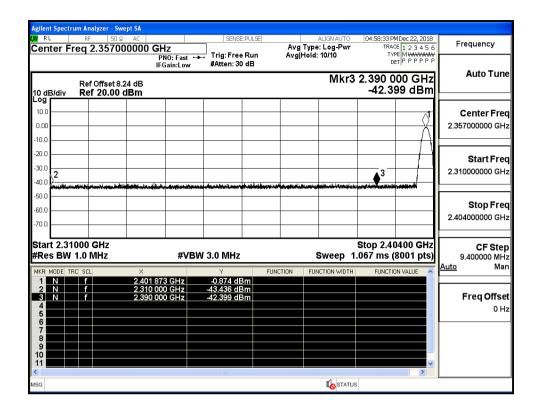




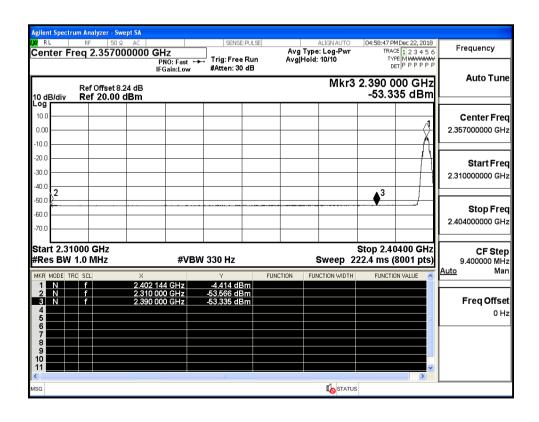
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



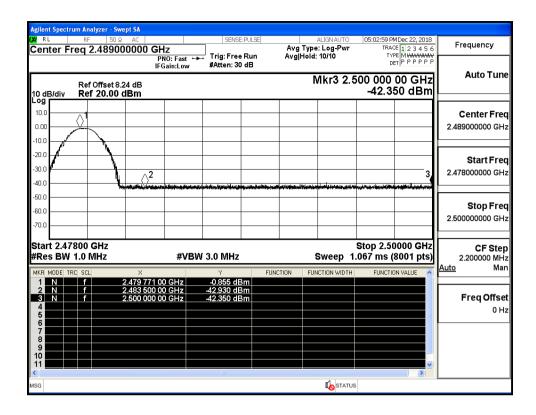
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



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



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



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

