Appendix A

RF Test Data for BT V4.0 (BLE) (Conducted Measurement)

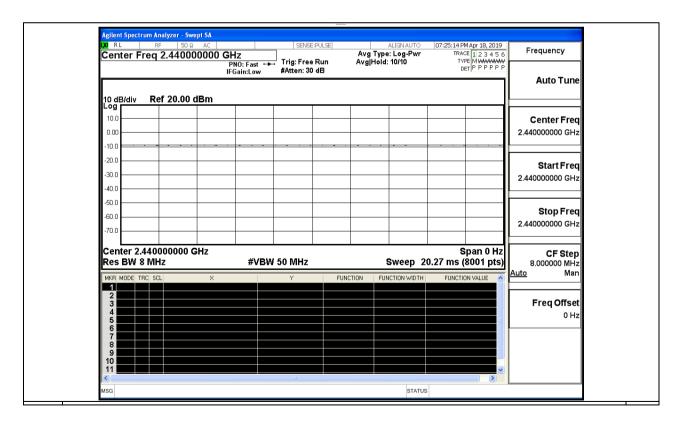
Product Name: Smart padlock
Trade Mark: N/A
Test Model: PL-01

Environmental Conditions

·	
Temperature:	24.8 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Tom.Liu

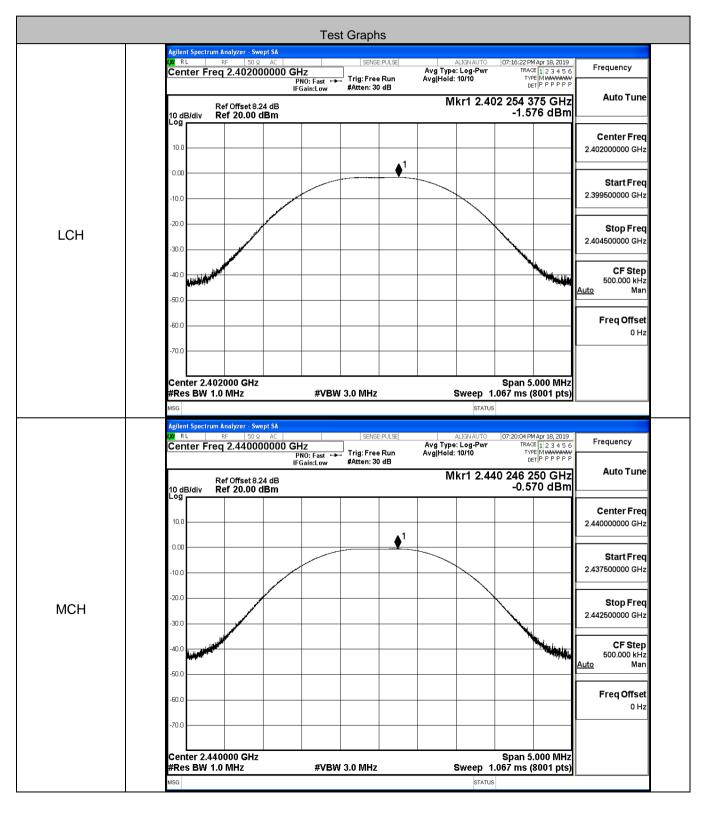
A.1 Duty Cycle

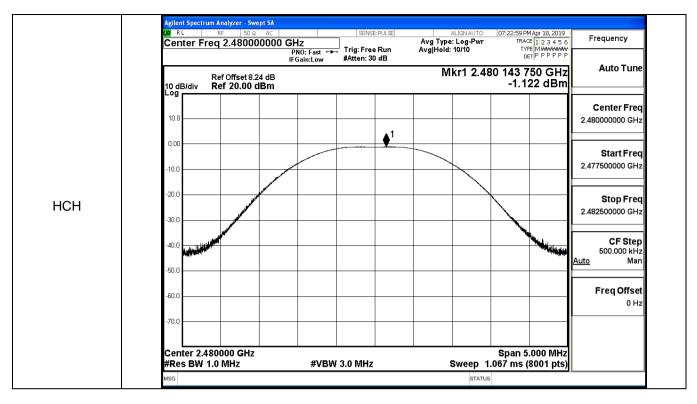
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict	
BT LE	2440	Ant1	100	PASS	



A.2 Maximum Conducted Peak Output Power

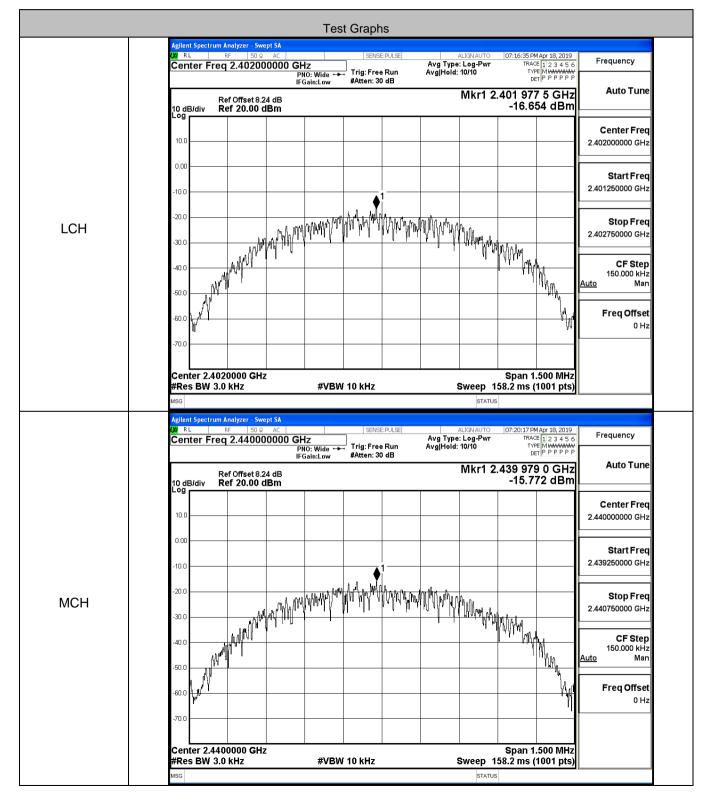
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.576	30	PASS
BT LE	MCH	-0.570	30	PASS
BT LE	НСН	-1.122	30	PASS





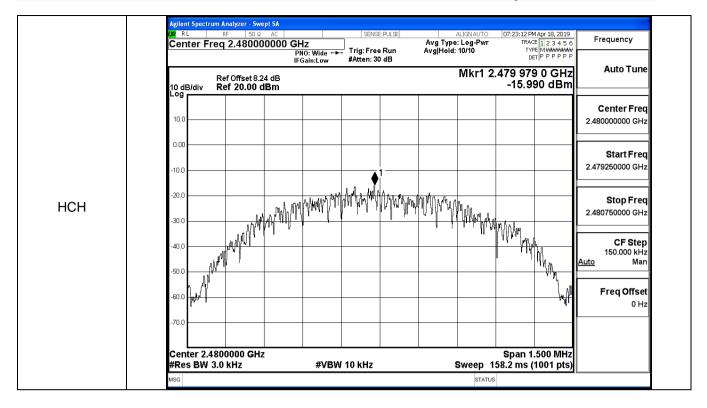
A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.654	8	PASS
BT LE	MCH	-15.772	8	PASS
BT LE	HCH	-15.990	8	PASS



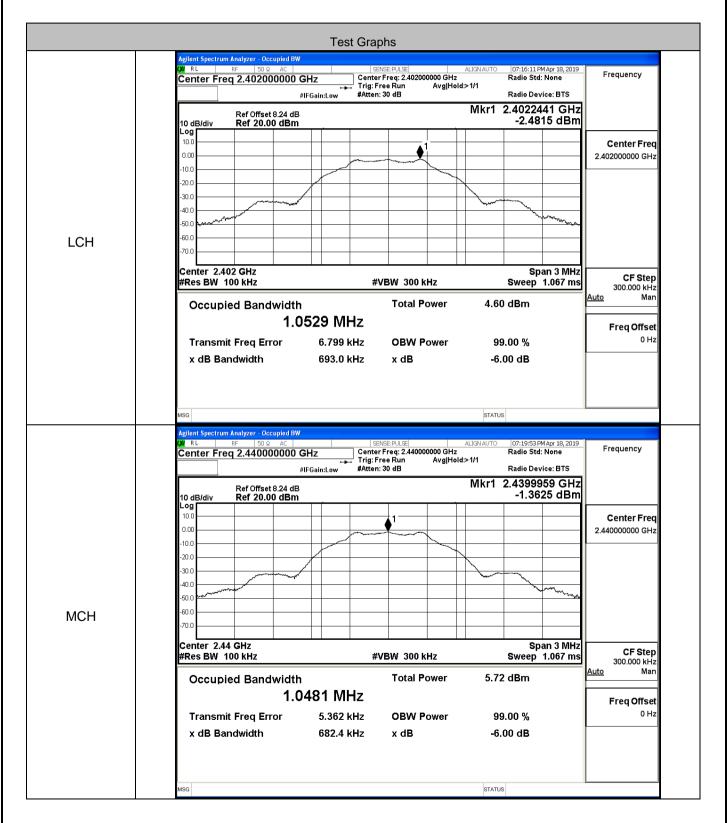
Page 4 of 14

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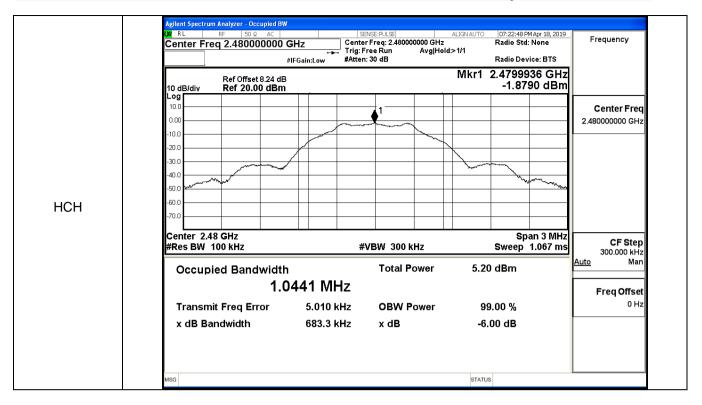


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6930	≥0.5	PASS
BT LE	MCH	0.6824	≥0.5	PASS
BT LE	HCH	0.6833	≥0.5	PASS

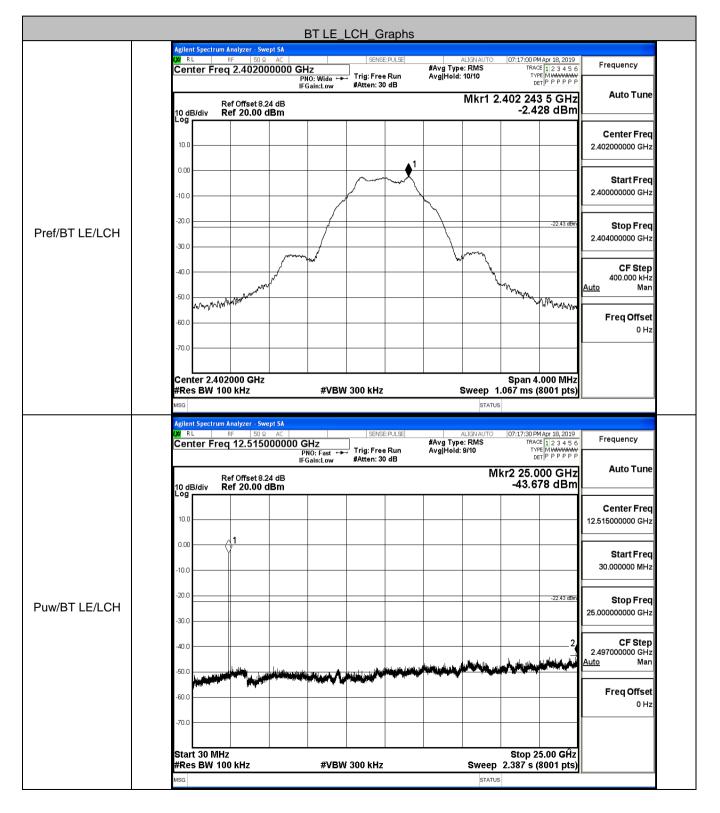


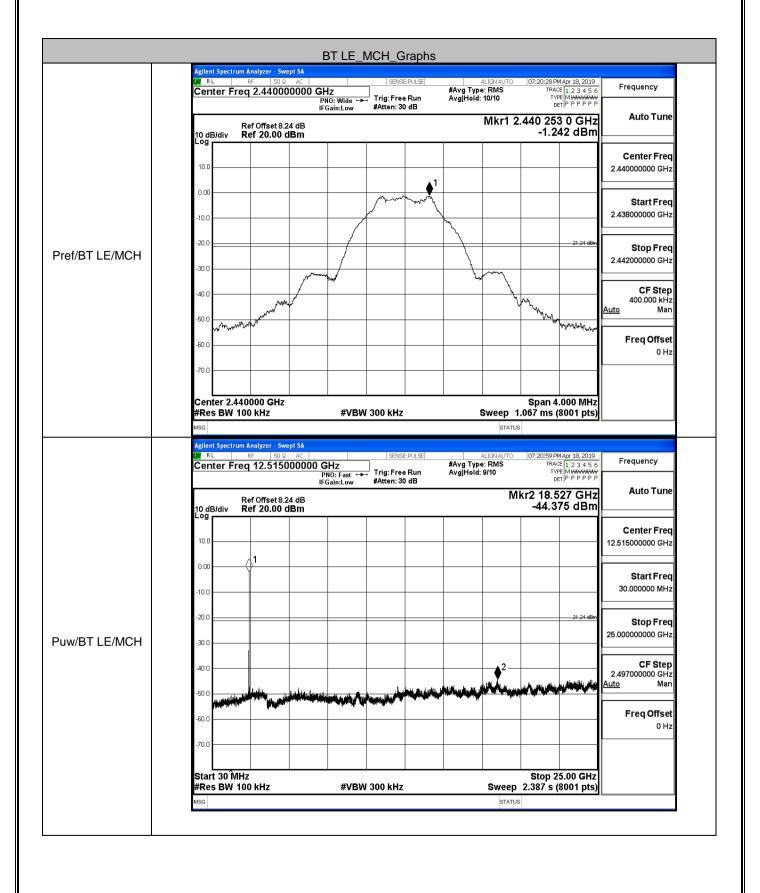
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AGRYPL-01 Report No.:LCS181214091AEA

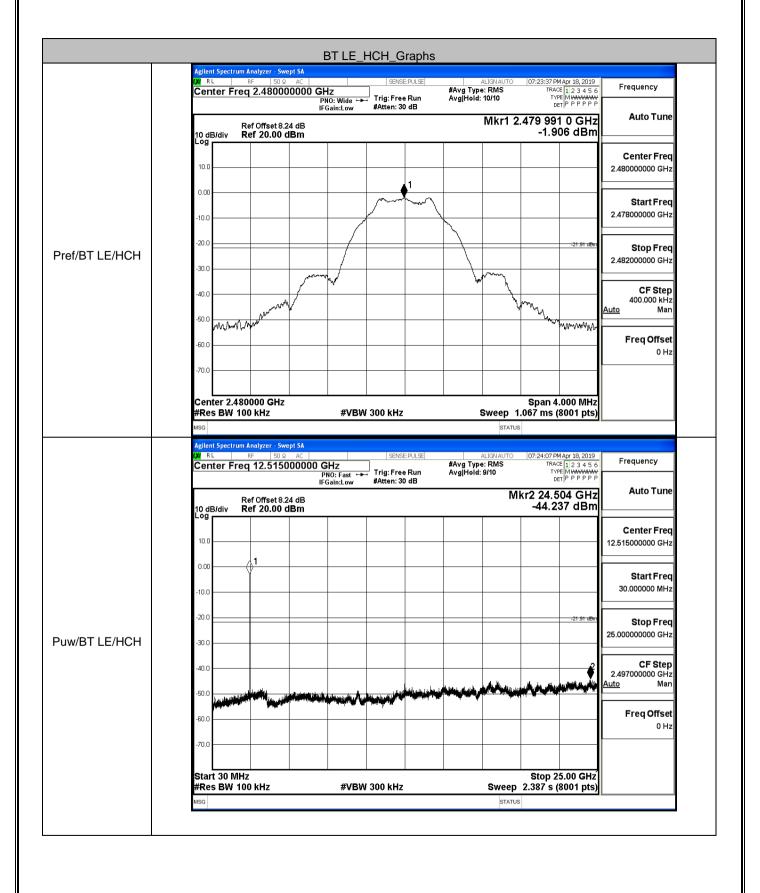


A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.428	-43.678	-22.428	PASS
BT LE	MCH	-1.242	-44.375	-21.242	PASS
BT LE	НСН	-1.906	-44.237	-21.906	PASS

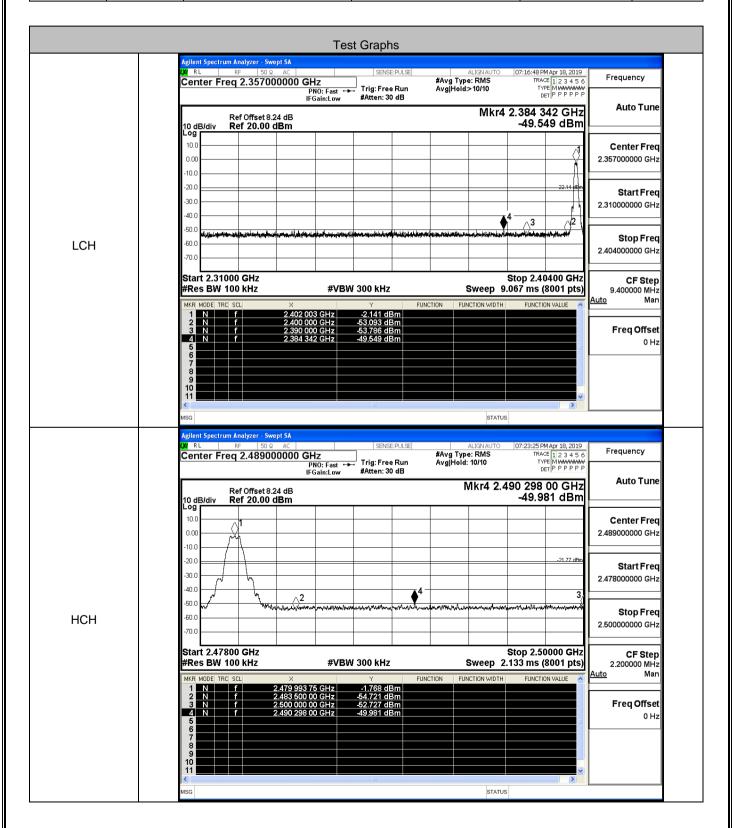






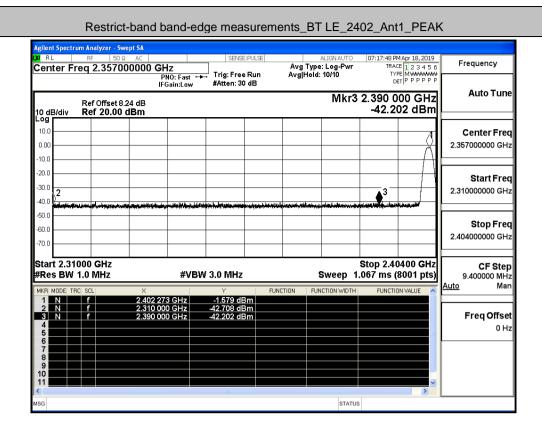
A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.141	-49.549	-22.14	PASS
BT LE	HCH	-1.768	-49.981	-21.77	PASS

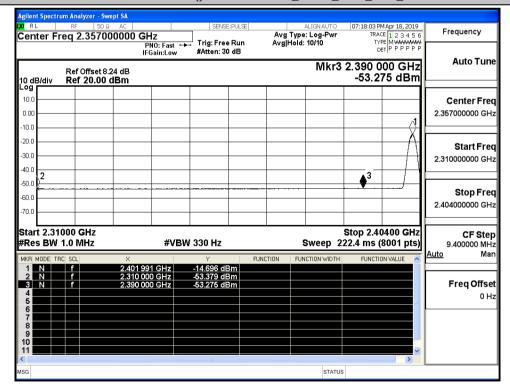


A.7 Restrict-band band-edge measurements

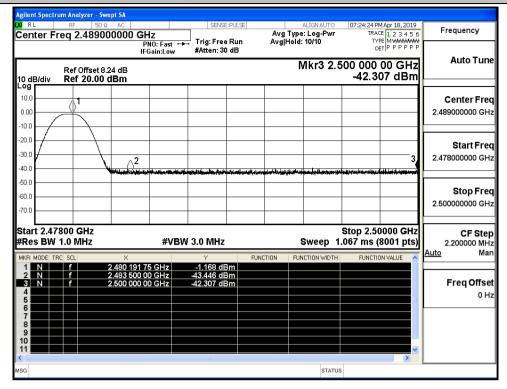
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-42.71	2.0	0	52.55	PEAK	74	PASS
	2402	Ant1	2310.0	-53.38	2.0	0	41.88	AV	54	PASS
		Ant1	2390.0	-42.20	2.0	0	53.06	PEAK	74	PASS
		Ant1	2390.0	-53.28	2.0	0	41.98	AV	54	PASS
BT LE	2480	Ant1	2483.5	-43.45	2.0	0	51.81	PEAK	74	PASS
		Ant1	2483.5	-53.01	2.0	0	42.25	AV	54	PASS
		Ant1	2500.0	-42.31	2.0	0	52.95	PEAK	74	PASS
		Ant1	2500.0	-52.87	2.0	0	42.39	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

