# **Appendix B**

# RF Test Data for BT V5.0(BLE) (Conducted Measurement)

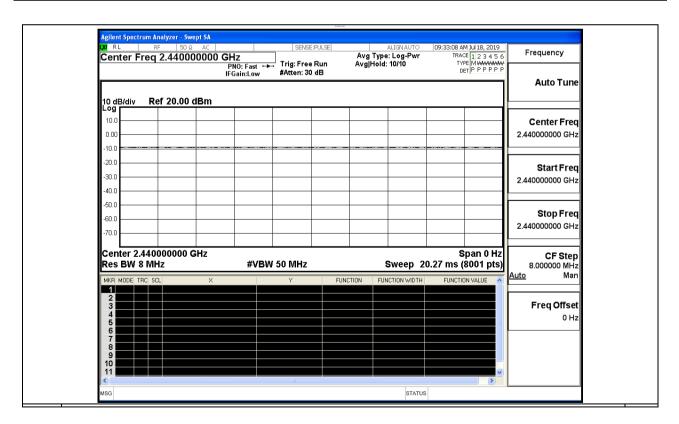
Product Name: Wireless Speaker
Trade Mark: billboard
Test Model: BB1001

#### **Environmental Conditions**

<del>-</del>						
Temperature:	23.4° C					
Relative Humidity:	54.1%					
ATM Pressure:	100.0 kPa					
Test Engineer:	SCENT HU					
Supervised by:	Wang.Chuang					

## **B.1 Duty Cycle**

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

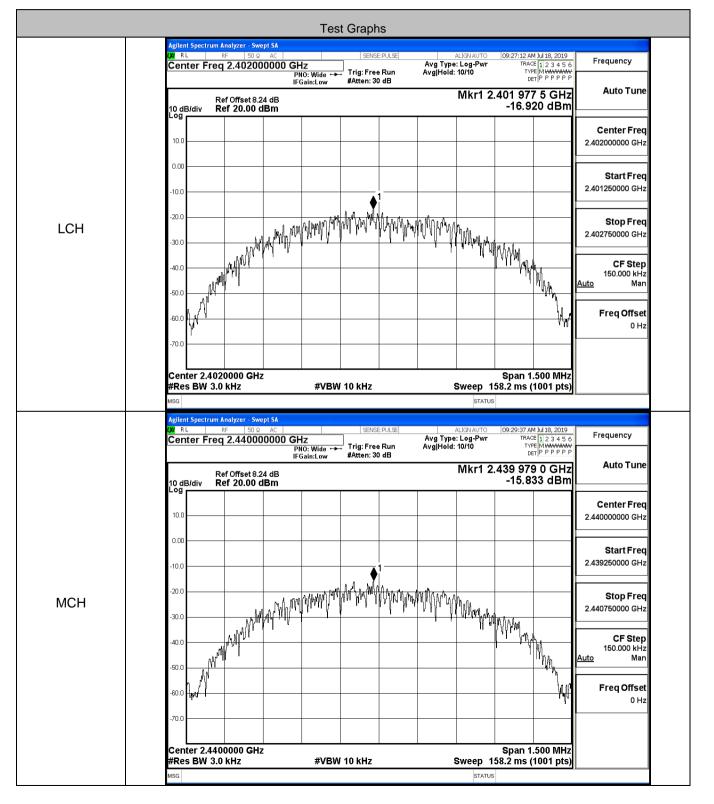


## **B.2 Maximum Conducted Peak Output Power**

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.557	30	PASS
BT LE	MCH	-0.787	30	PASS
BT LE	HCH	-1.851	30	PASS

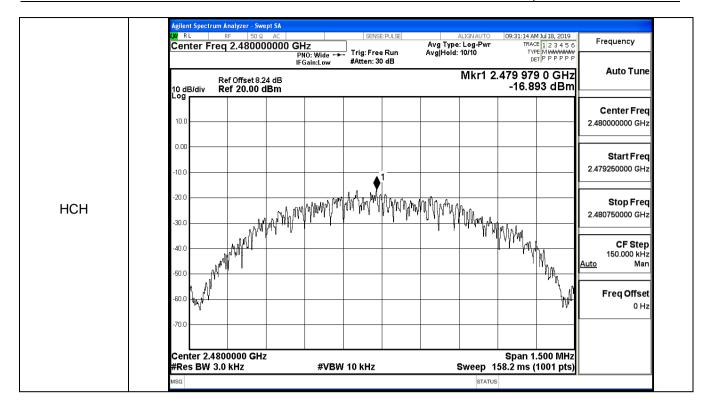
### **B.3 Maximum Power Spectral Density**

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.920	8	PASS
BT LE	MCH	-15.833	8	PASS
BT LE	НСН	-16.893	8	PASS



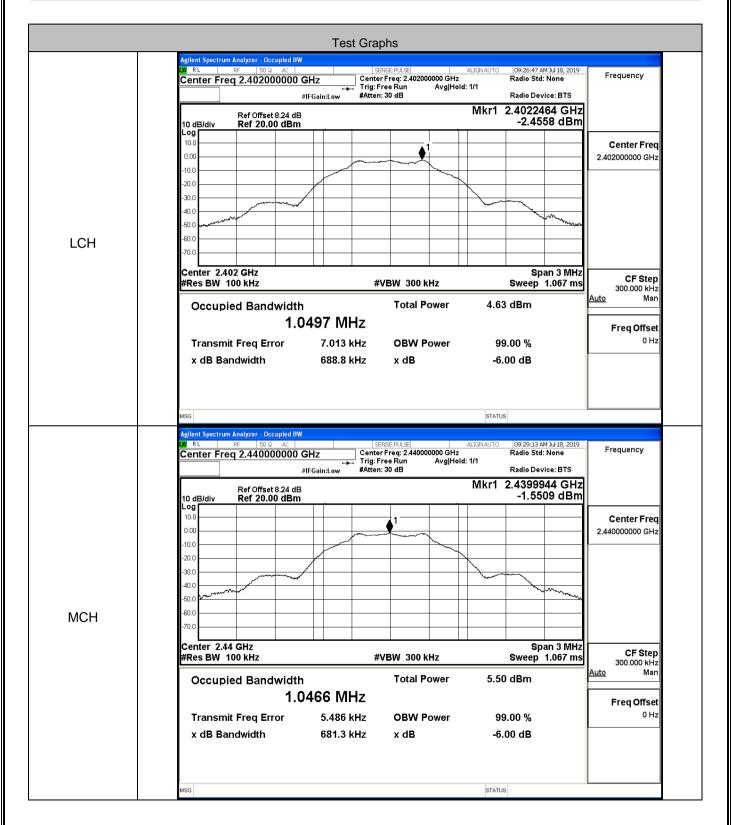
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#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ALR9-KDL-BT1906 Report No.: LCS190709054AEB

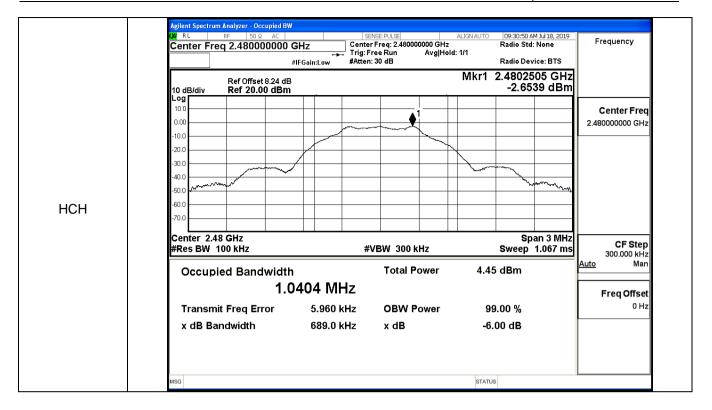


#### **B.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6888	≥0.5	PASS
BT LE	MCH	0.6813	≥0.5	PASS
BT LE	HCH	0.6890	≥0.5	PASS

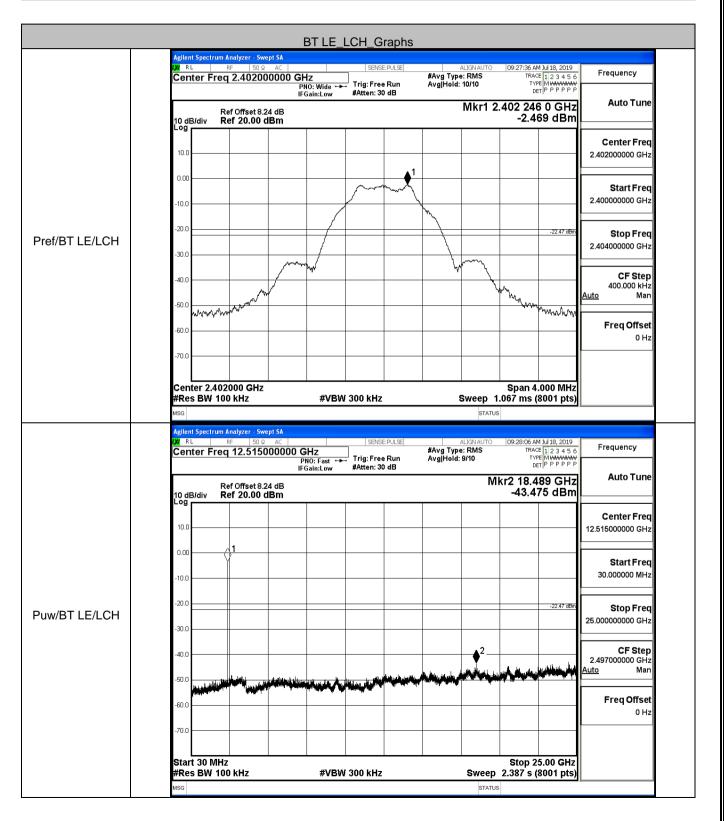


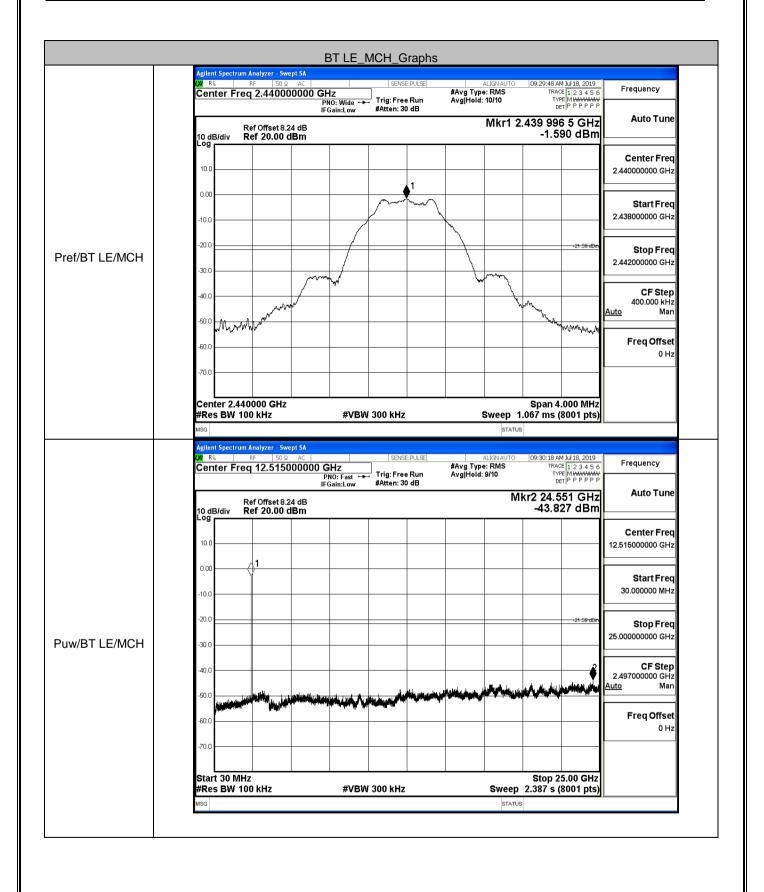
#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ALR9-KDL-BT1906 Report No.: LCS190709054AEB

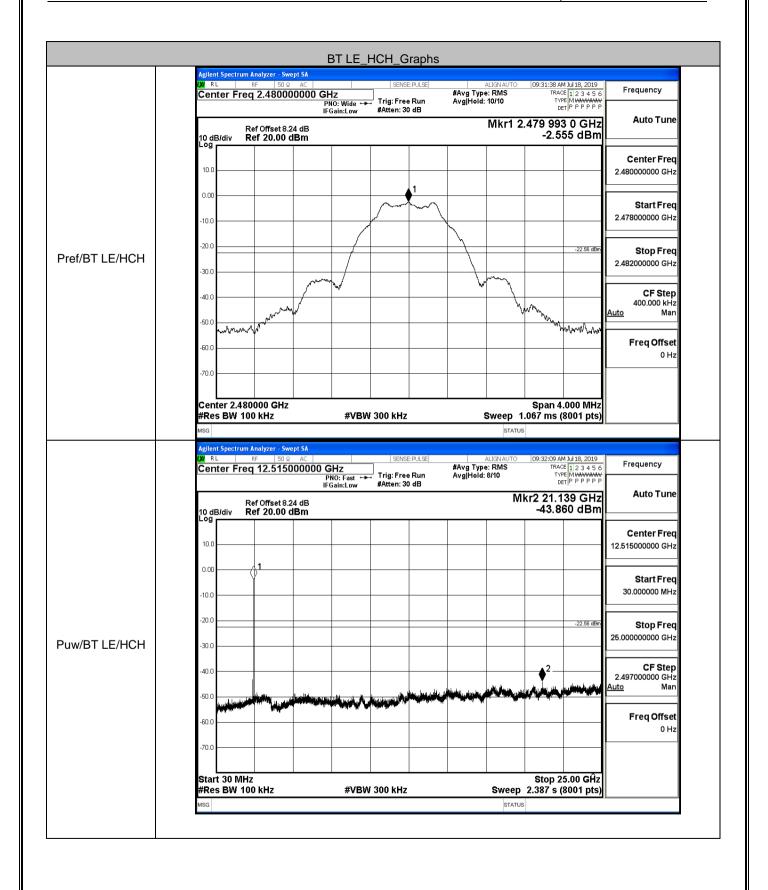


### **B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.469	-43.475	-22.469	PASS
BT LE	МСН	-1.59	-43.827	-21.590	PASS
BT LE	НСН	-2.555	-43.860	-22.555	PASS

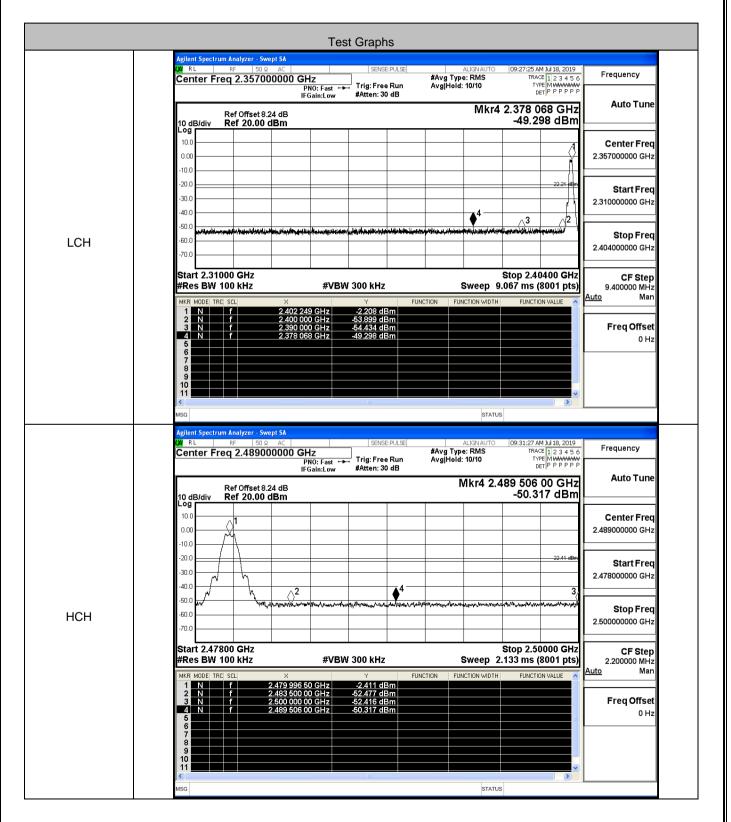






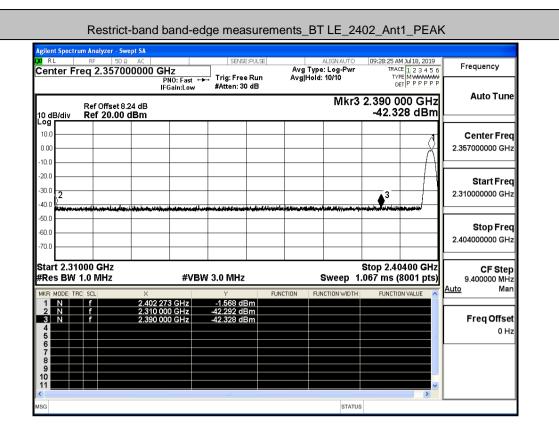
### **B.6 Band-edge for RF Conducted Emissions**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.208	-49.298	-22.21	PASS
BT LE	HCH	-2.411	-50.317	-22.41	PASS

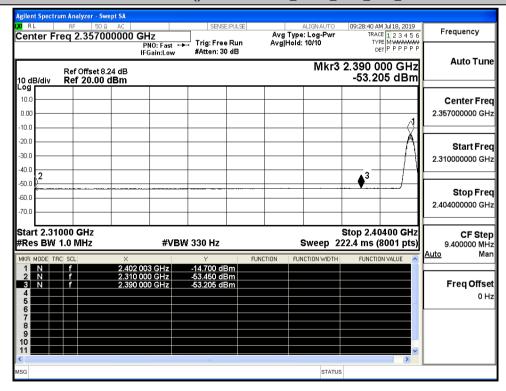


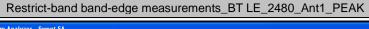
# **B.7 Restrict-band band-edge measurements**

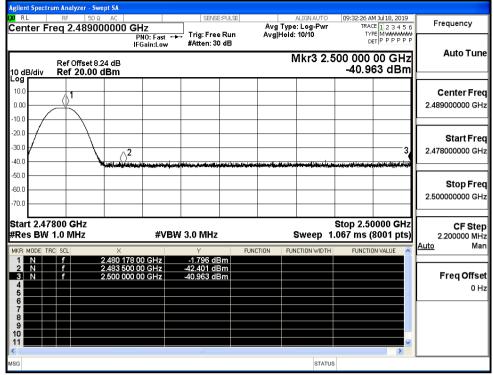
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-42.29	2.0	0	52.97	PEAK	74	PASS
	2402	Ant1	2310.0	-53.45	2.0	0	41.81	AV	54	PASS
		Ant1	2390.0	-42.33	2.0	0	52.93	PEAK	74	PASS
		Ant1	2390.0	-53.21	2.0	0	42.05	AV	54	PASS
BT LE		Ant1	2483.5	-42.40	2.0	0	52.86	PEAK	74	PASS
		Ant1	2483.5	-52.97	2.0	0	42.29	AV	54	PASS
	2480	Ant1	2500.0	-40.96	2.0	0	54.29	PEAK	74	PASS
		Ant1	2500.0	-52.84	2.0	0	42.42	AV	54	PASS



#### Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV







### Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_AV

