# **Appendix B**

# RF Test Data for BT V4.2 (BLE) (Conducted Measurement)

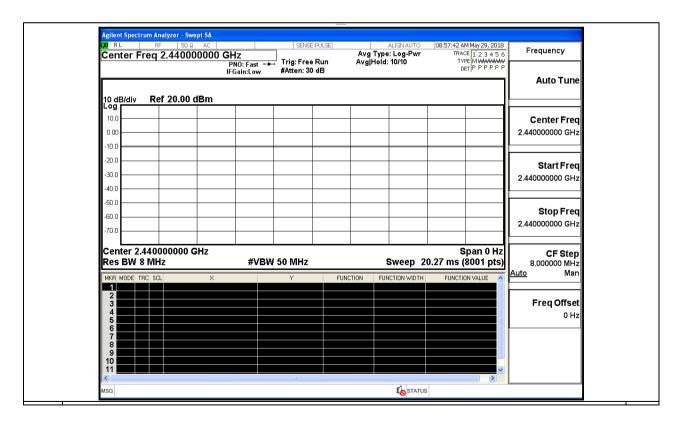
**Product Name: LED Lighting Speaker** Trade Mark: N/A Test Model: SP0011/ORB

### **Environmental Conditions**

_	
Temperature:	24.5 ° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden.Zhuo

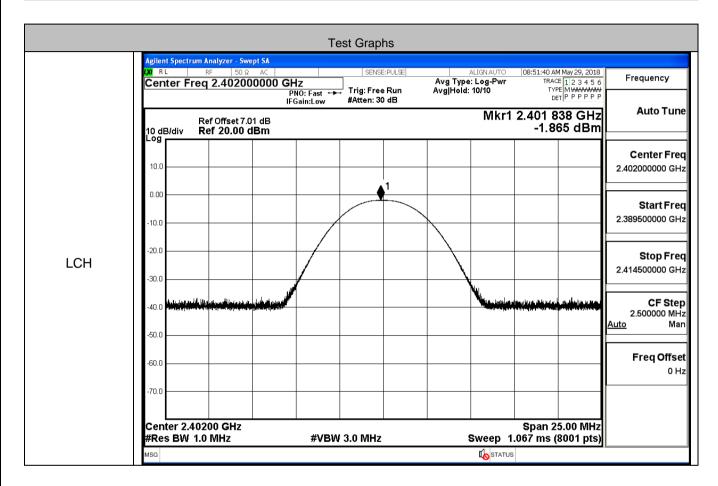
# **B.1 Duty Cycle**

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



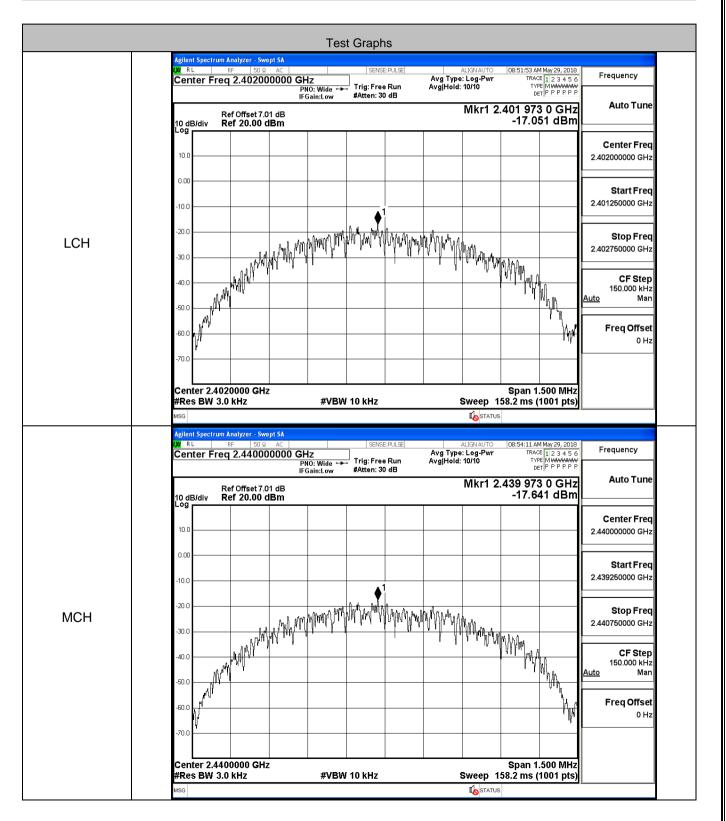
## **B.2 Maximum Conducted Peak Output Power**

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.865	30	PASS
BT LE	MCH	-2.512	30	PASS
BT LE	НСН	-2.197	30	PASS

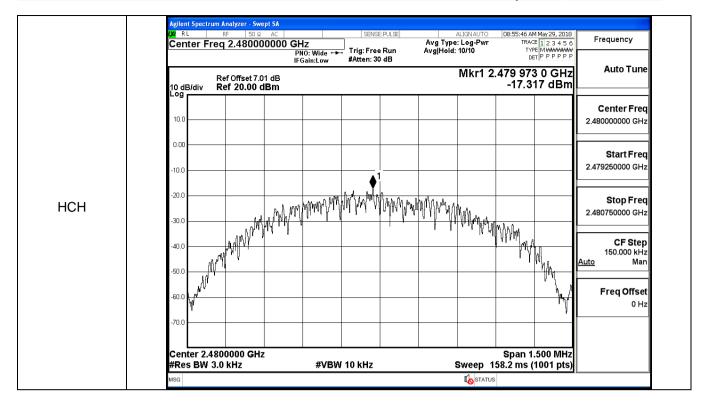


### **B.3 Maximum Power Spectral Density**

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.051	8	PASS
BT LE	MCH	-17.641	8	PASS
BT LE	НСН	-17.317	8	PASS

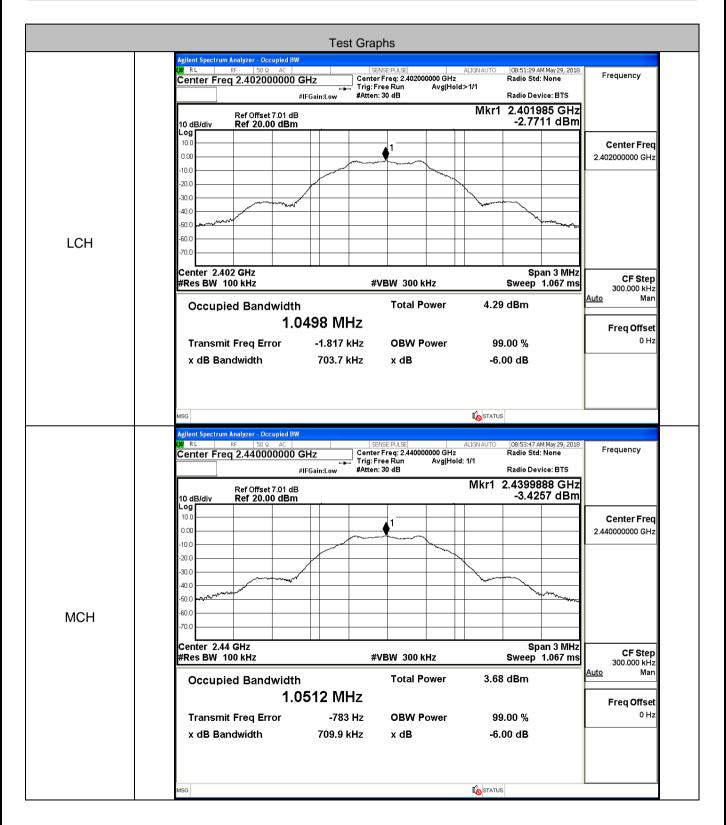


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### **B.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7037	≥0.5	PASS
BT LE	MCH	0.7099	≥0.5	PASS
BT LE	HCH	0.7118	≥0.5	PASS

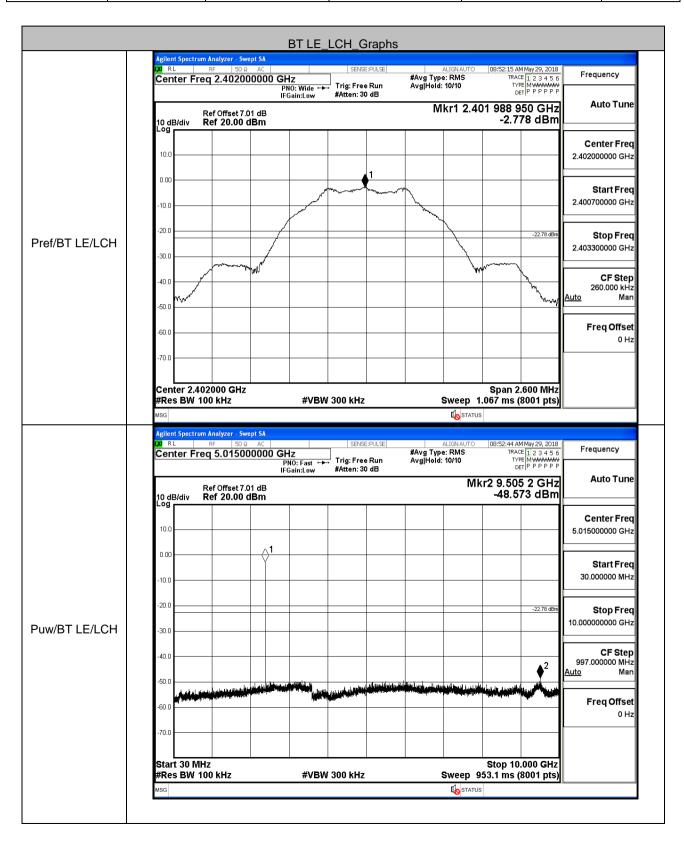


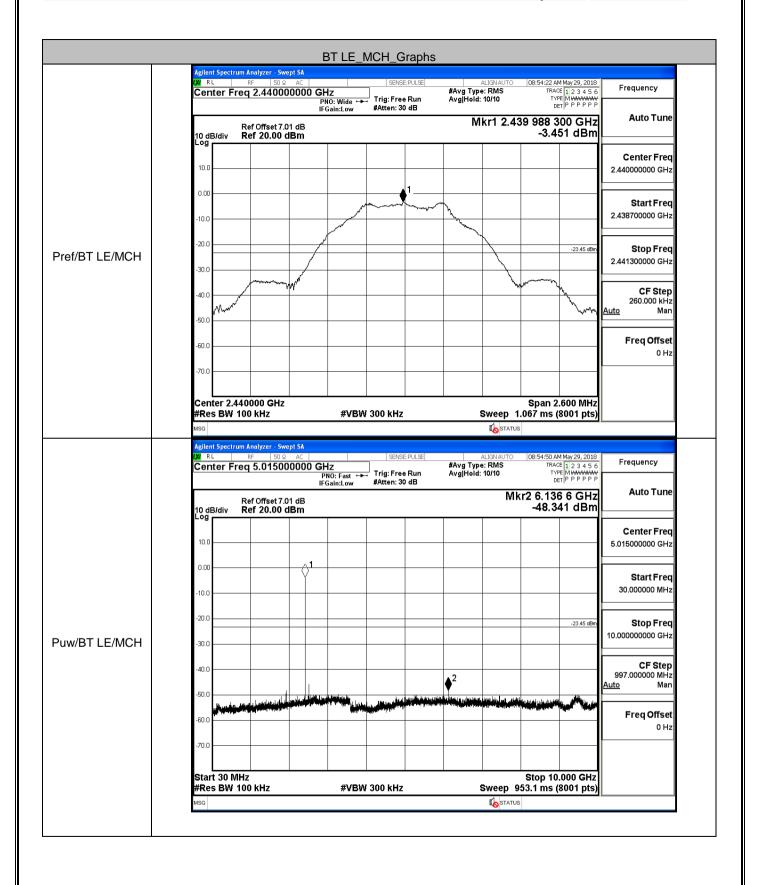
# SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AJ8KSP0011 Report No.: LCS180517047AEB

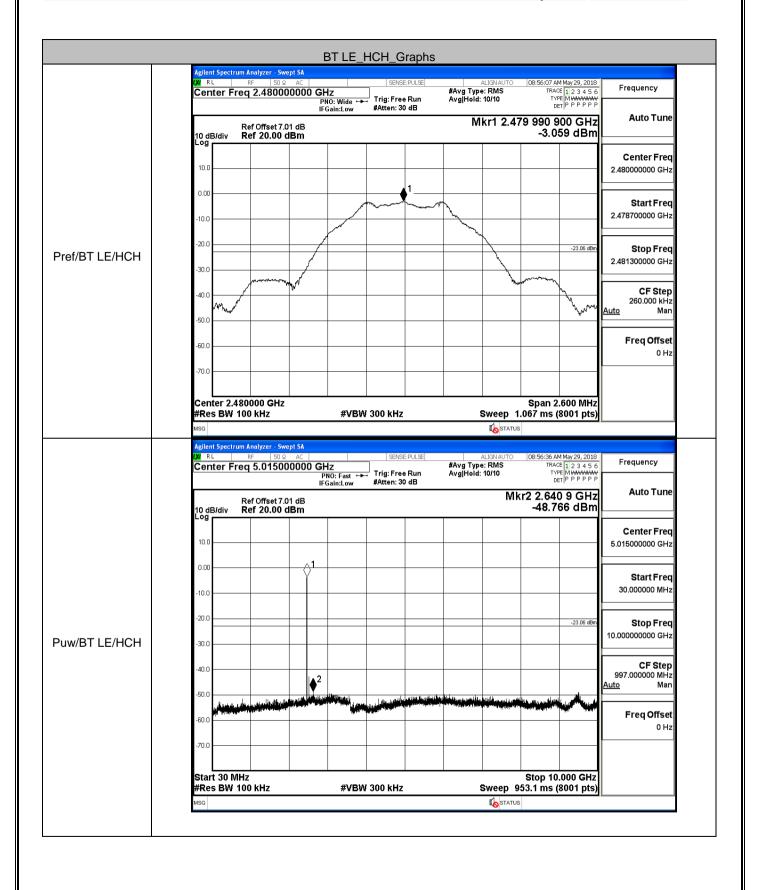


### **B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.778	-48.573	-22.778	PASS
BT LE	MCH	-3.451	-48.341	-23.451	PASS
BT LE	НСН	-3.059	-48.766	-23.059	PASS

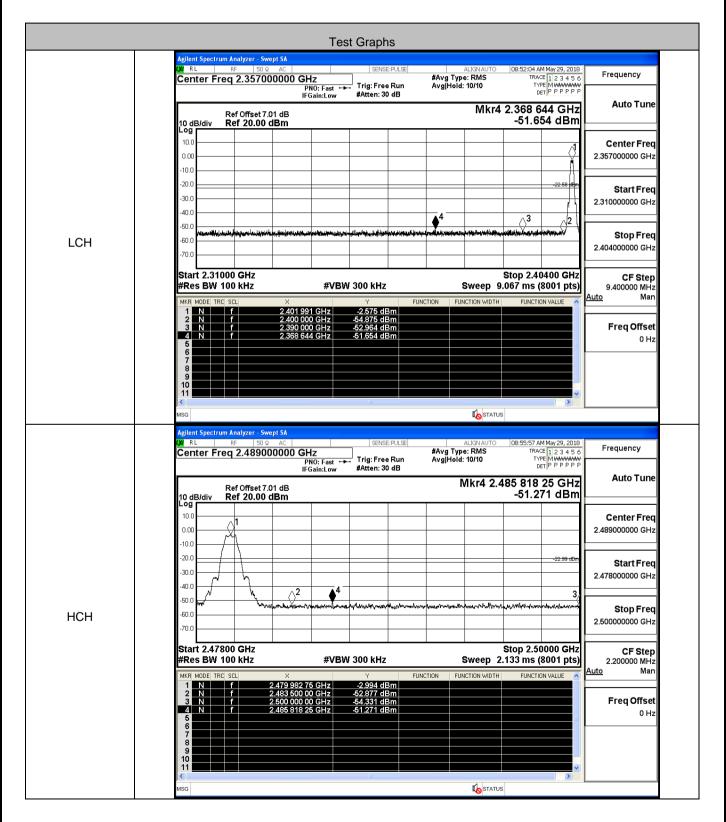






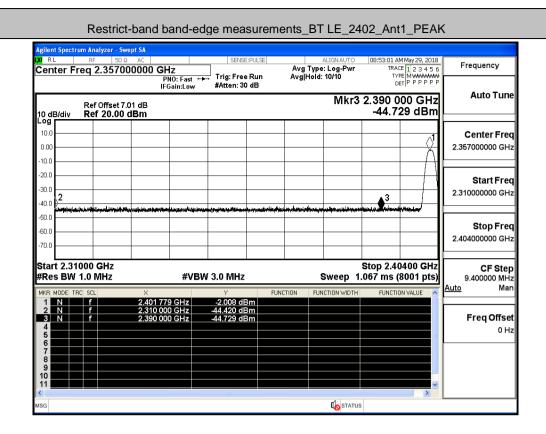
### **B.6 Band-edge for RF Conducted Emissions**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.575	-51.654	-22.58	PASS
BT LE	HCH	-2.994	-51.271	-22.99	PASS

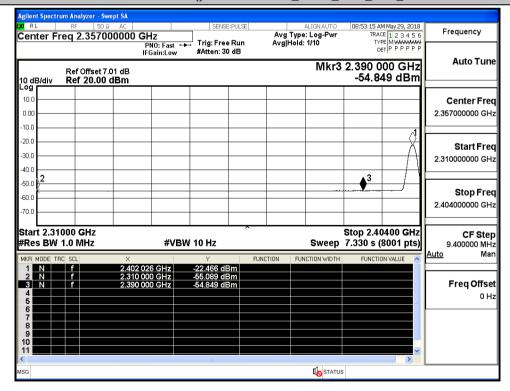


# **B.7 Restrict-band band-edge measurements**

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-44.42	2.0	0	52.84	PEAK	74	PASS
	2402	Ant1	2310.0	-55.09	2.0	0	42.17	AV	54	PASS
		Ant1	2390.0	-44.73	2.0	0	52.53	PEAK	74	PASS
		Ant1	2390.0	-54.85	2.0	0	42.41	AV	54	PASS
BT LE		Ant1	2483.5	-43.89	2.0	0	53.37	PEAK	74	PASS
	2480	Ant1	2483.5	-54.62	2.0	0	42.64	AV	54	PASS
		Ant1	2500.0	-43.07	2.0	0	54.19	PEAK	74	PASS
		Ant1	2500.0	-54.45	2.0	0	42.81	AV	54	PASS

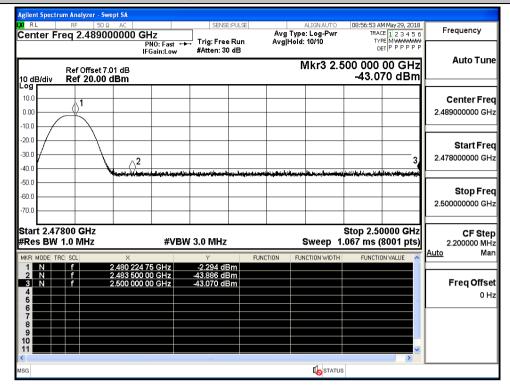


#### Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV



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



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

