## **Appendix B**

# RF Test Data for BT 4.2(BLE) (Conducted Measurement)

**Product Name: Wireless Remote Control** 

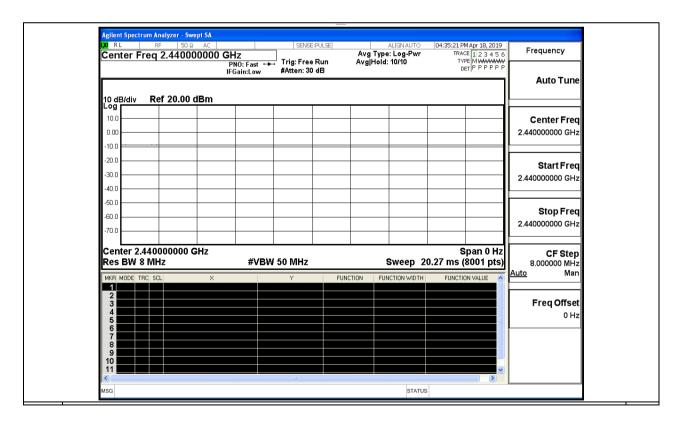
Trade Mark: AODELAN
Test Model: ML-L7A

#### **Environmental Conditions**

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Temperature:	24.1 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	JERRY.ZENG
Supervised by:	Tom.Liu

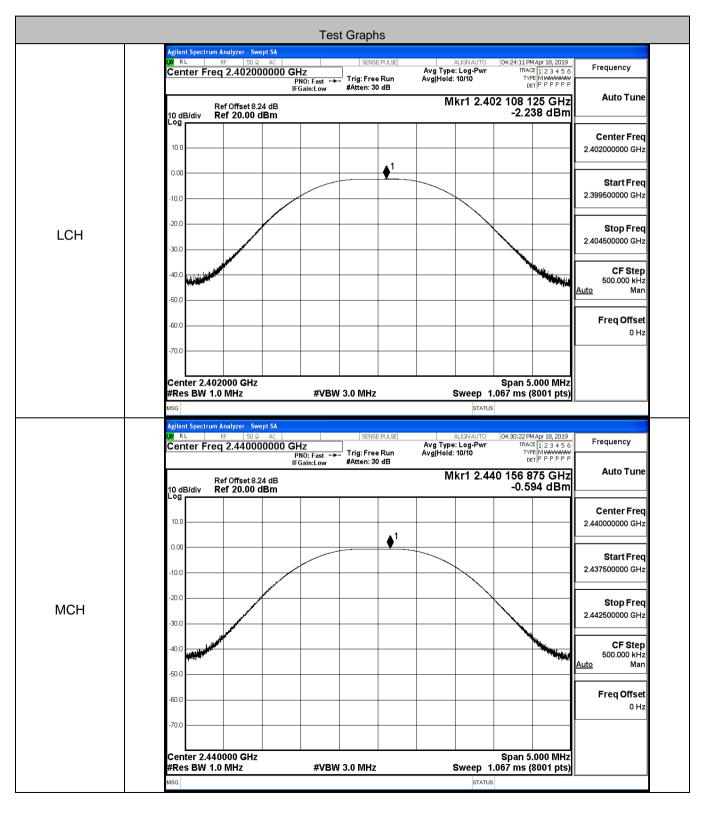
## **B.1 Duty Cycle**

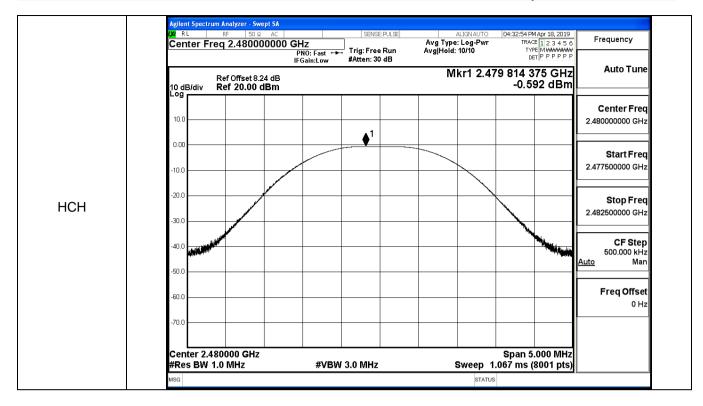
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict	
BT LE	2440	Ant1	100	PASS	



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

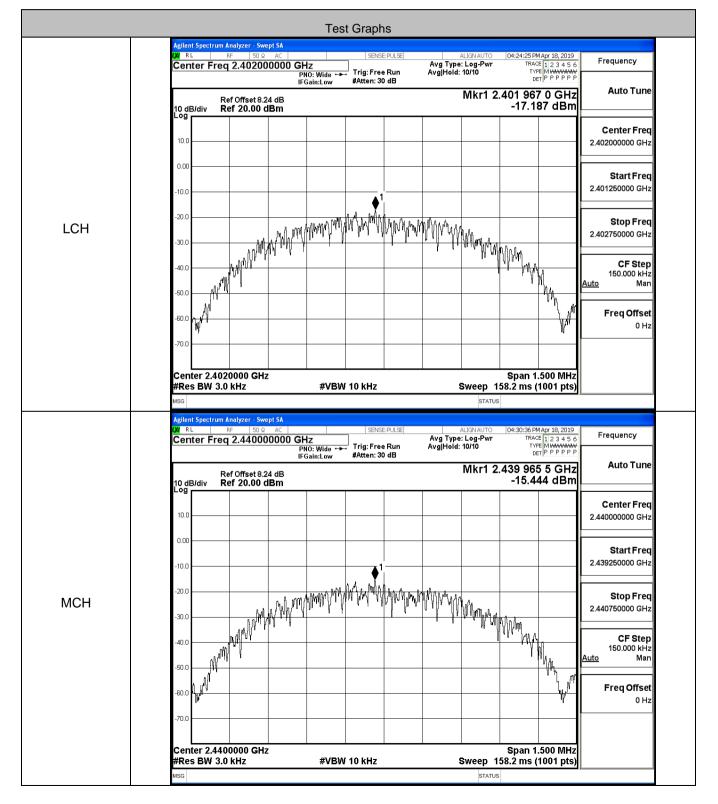
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.238	30	PASS
BT LE	MCH	-0.594	30	PASS
BT LE	HCH	-0.592	30	PASS

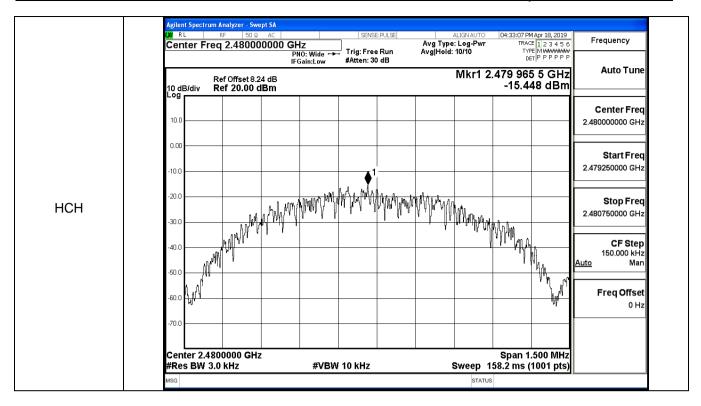




## **B.3 Maximum Power Spectral Density**

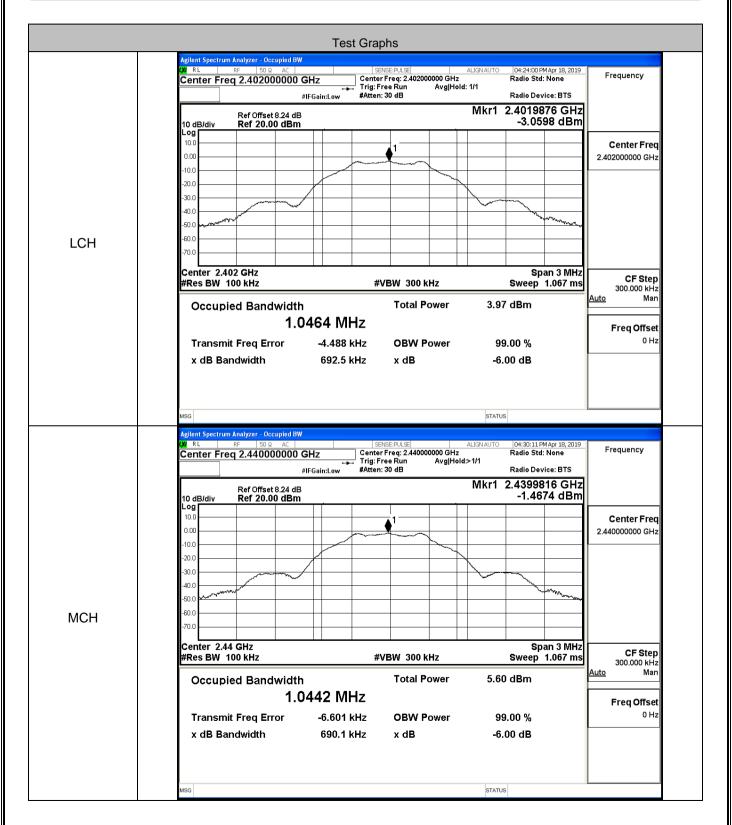
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.187	8	PASS
BT LE	MCH	-15.444	8	PASS
BT LE	НСН	-15.448	8	PASS

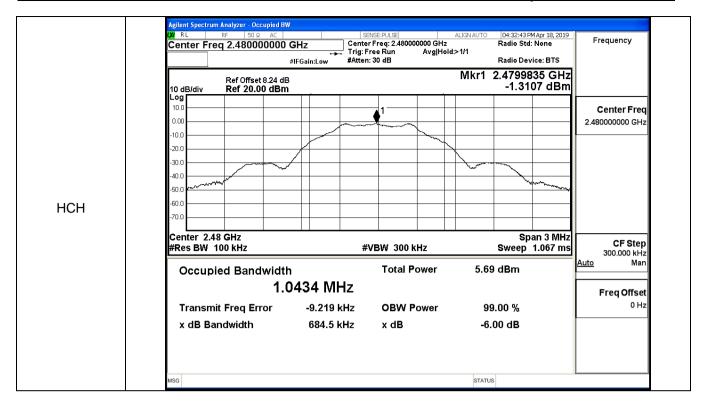




#### **B.4 6dB Bandwidth**

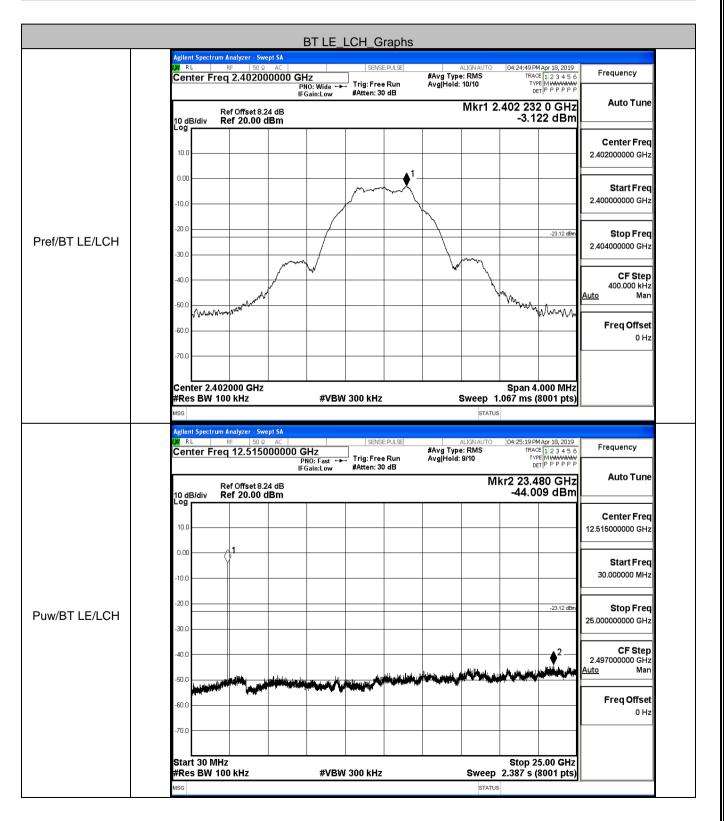
Mode	Channel	annel 6dB Bandwidth [MHz] Limi		Verdict
BT LE	LCH	0.6925	≥0.5	PASS
BT LE	MCH	0.6901	≥0.5	PASS
BT LE	HCH	0.6845	≥0.5	PASS

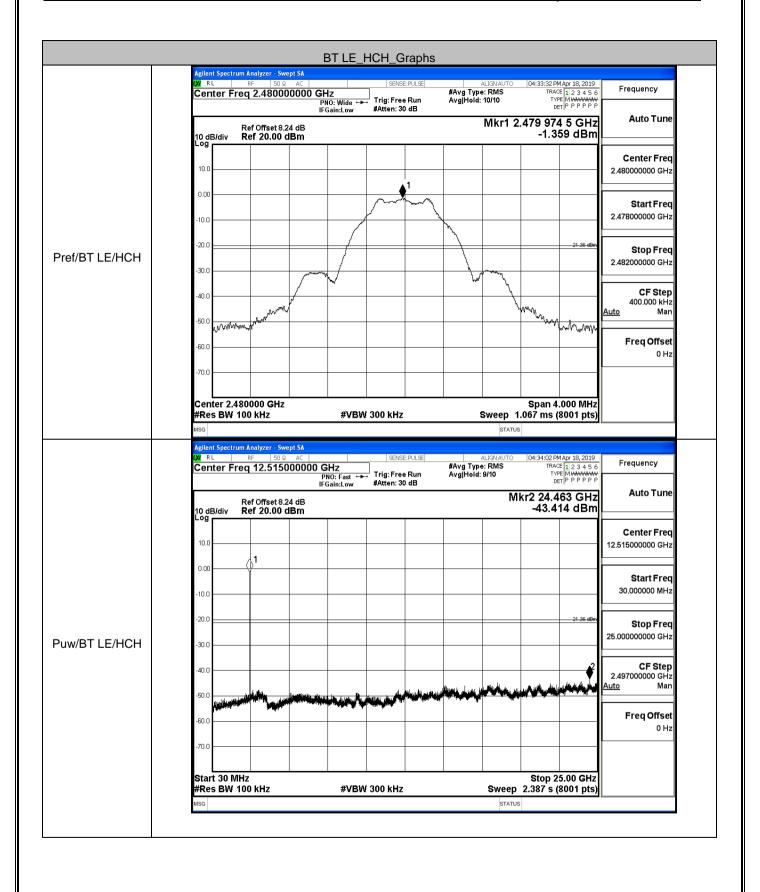




## **B.5 RF Conducted Spurious Emissions**

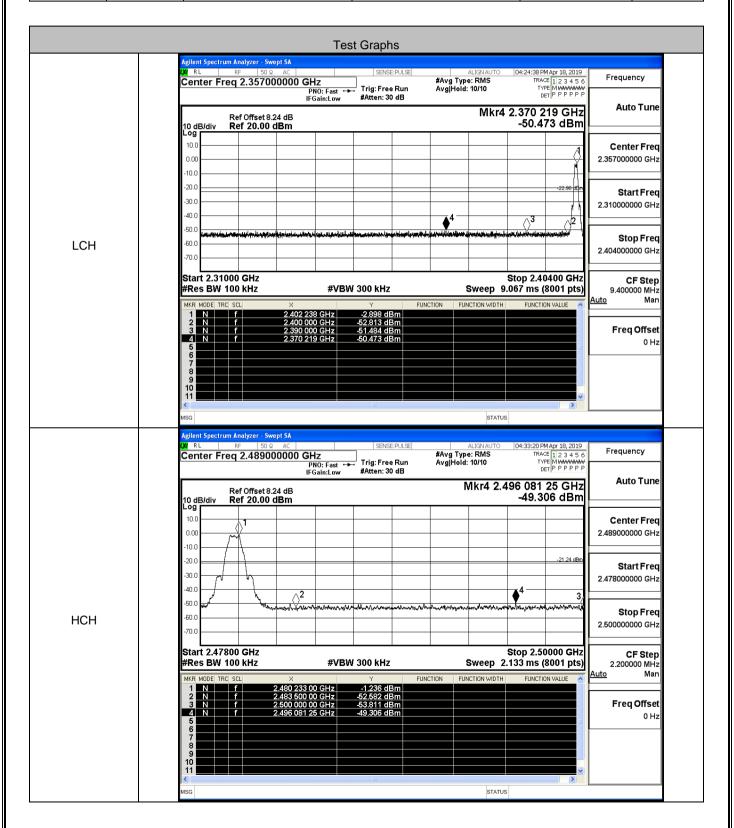
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.122	-44.009	-23.12	PASS
BT LE	MCH	-0.378	-44.059	-23.12	PASS
BT LE	НСН	-1.359	-43.414	-20.36	PASS





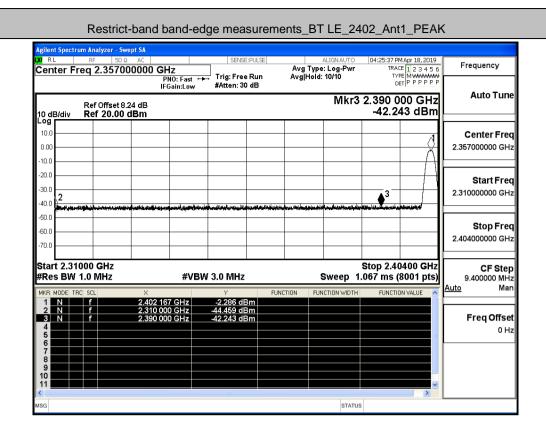
### **B.6 Band-edge for RF Conducted Emissions**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.898	-50.473	-22.9	PASS
BT LE	HCH	-1.236	-49.306	-21.24	PASS

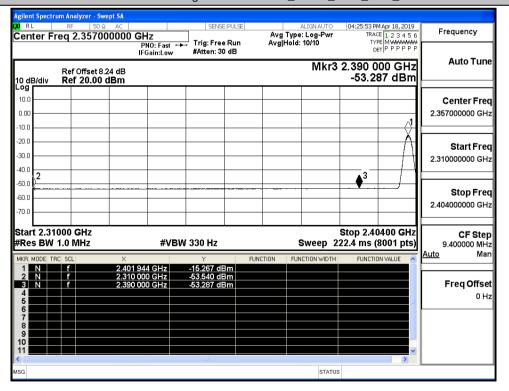


# **B.7 Restrict-band band-edge measurements**

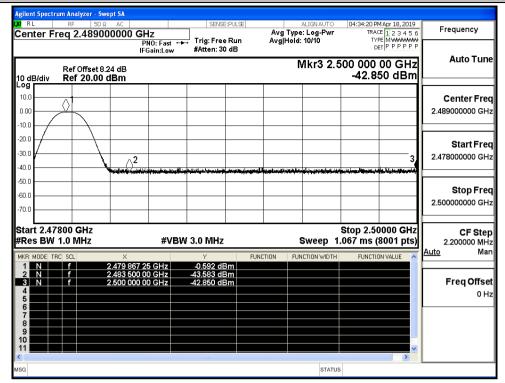
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-44.46	3.0	0	53.8	PEAK	74	PASS
	2402	Ant1	2310.0	-53.54	3.0	0	44.72	AV	54	PASS
BT LE		Ant1	2390.0	-42.24	3.0	0	56.02	PEAK	74	PASS
		Ant1	2390.0	-53.29	3.0	0	44.97	AV	54	PASS
	2480	Ant1	2483.5	-43.58	3.0	0	54.68	PEAK	74	PASS
		Ant1	2483.5	-53.03	3.0	0	45.23	AV	54	PASS
		Ant1	2500.0	-42.85	3.0	0	55.41	PEAK	74	PASS
		Ant1	2500.0	-52.84	3.0	0	45.42	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

