## **Appendix B**

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

**Product Name: WIRELESS EARBUDS W/MIC** 

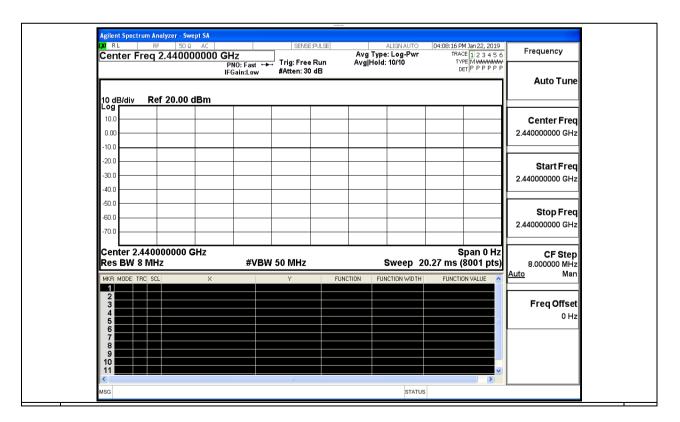
Trade Mark: N/A Test Model: K20-BT

#### **Environmental Conditions**

Temperature:	24.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Jayden.Zhuo

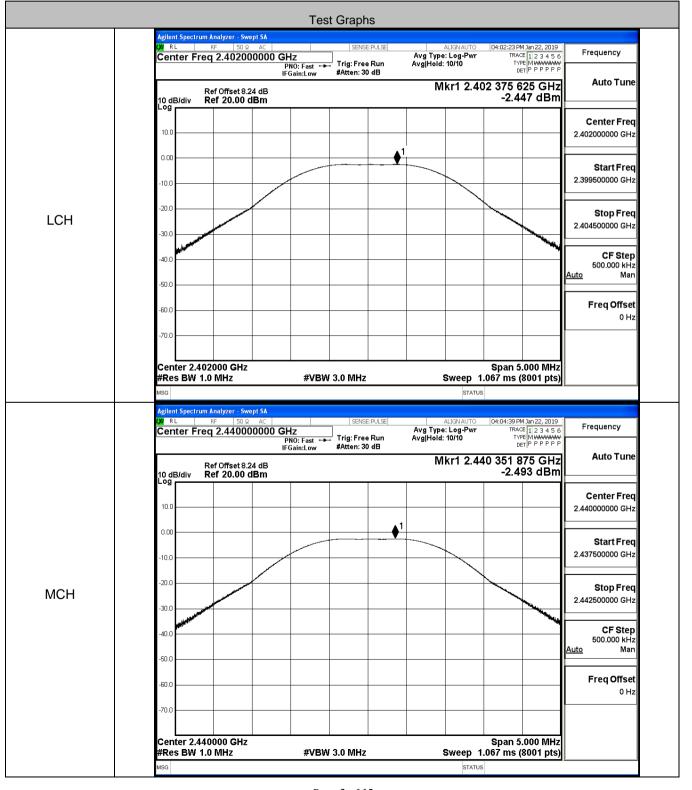
## **B.1 Duty Cycle**

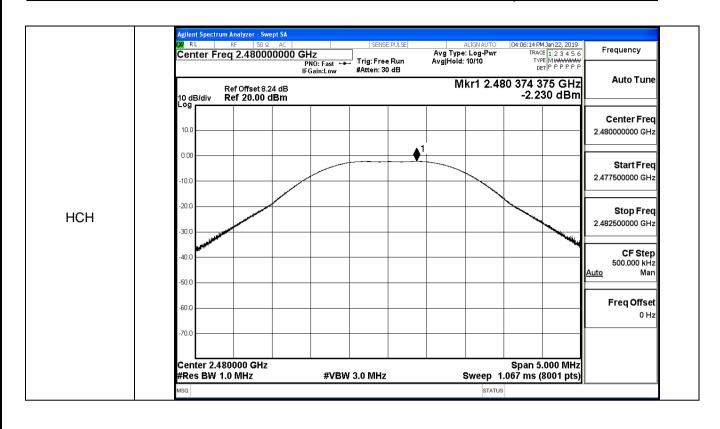
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



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

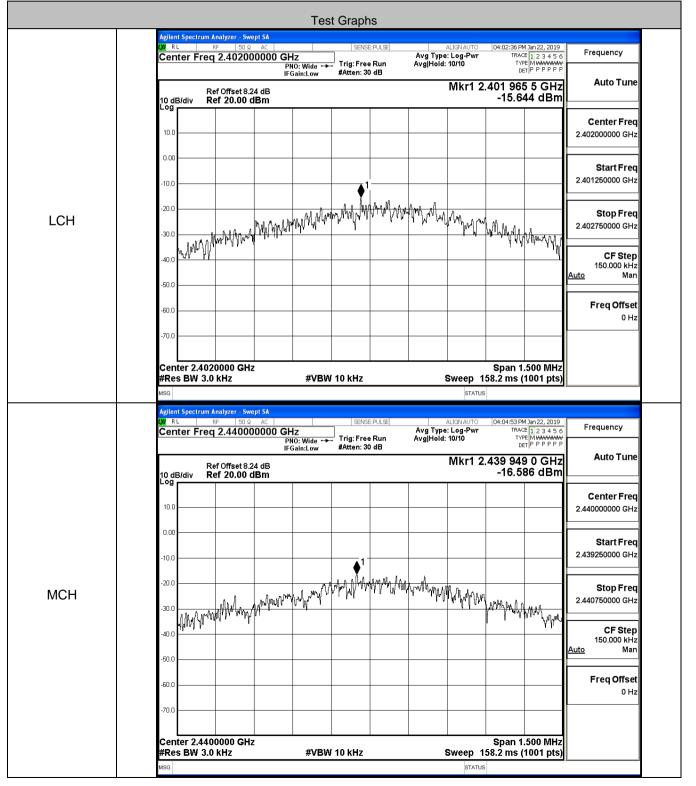
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.447	30	PASS
BT LE	MCH	-2.493	30	PASS
BT LE	HCH	-2.23	30	PASS

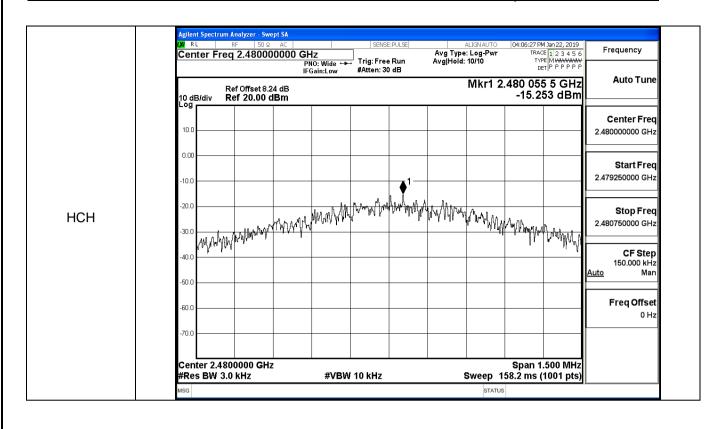




### **B.3 Maximum Power Spectral Density**

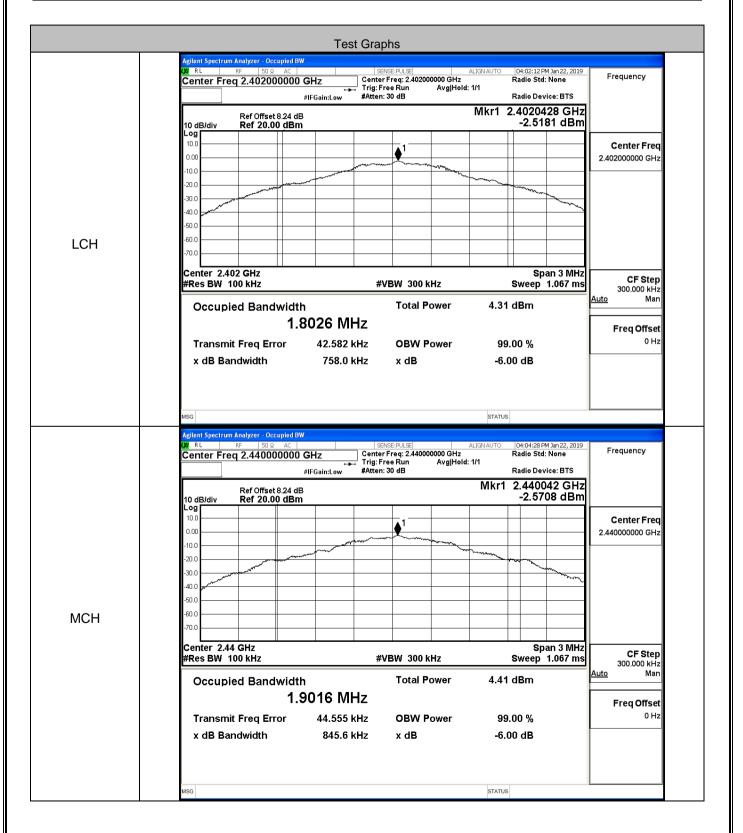
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.644	8	PASS
BT LE	MCH	-16.586	8	PASS
BT LE	HCH	-15.253	8	PASS

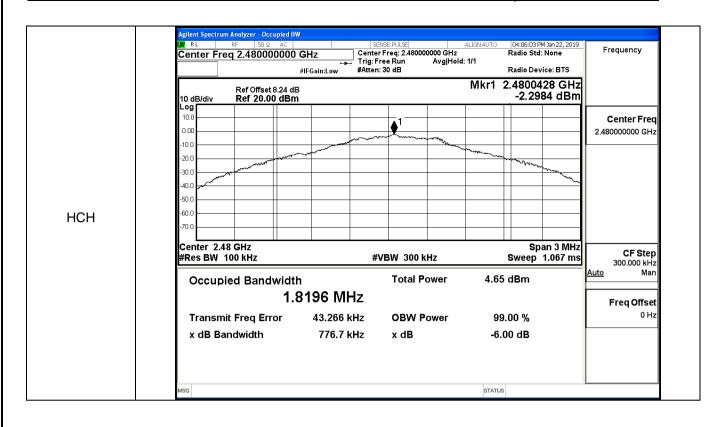




#### **B.4 6dB Bandwidth**

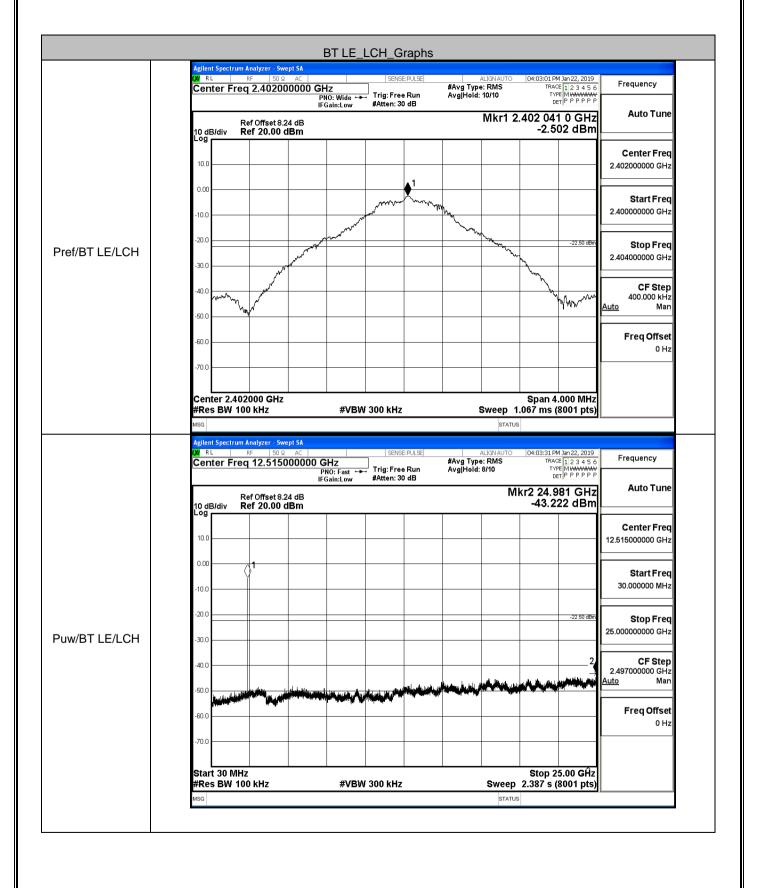
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7580	≥0.5	PASS
BT LE	MCH	0.8456	≥0.5	PASS
BT LE	HCH	0.7767	≥0.5	PASS

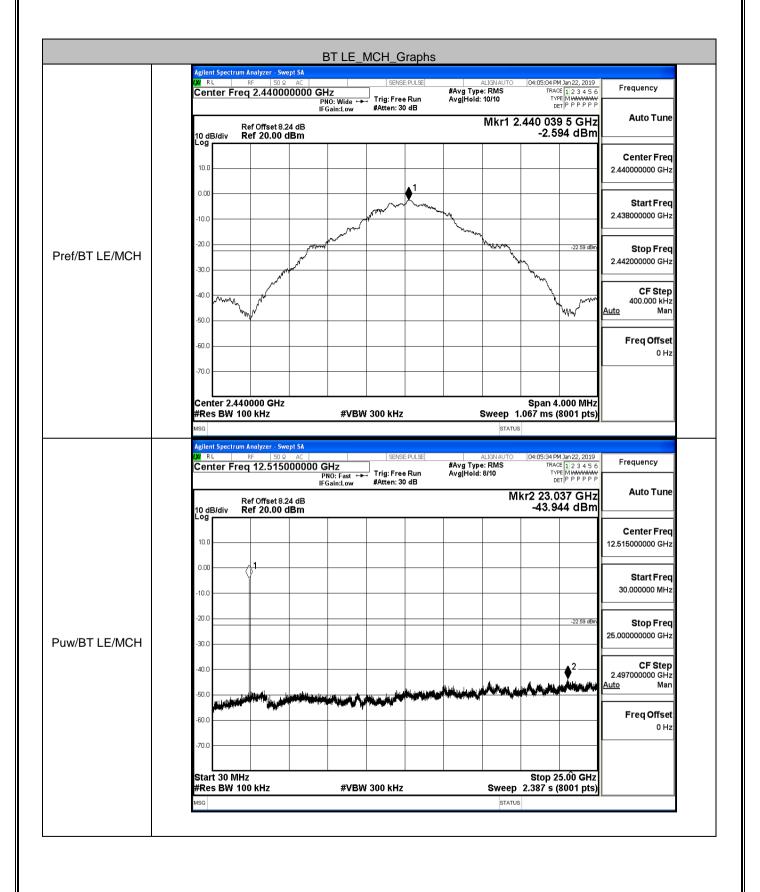


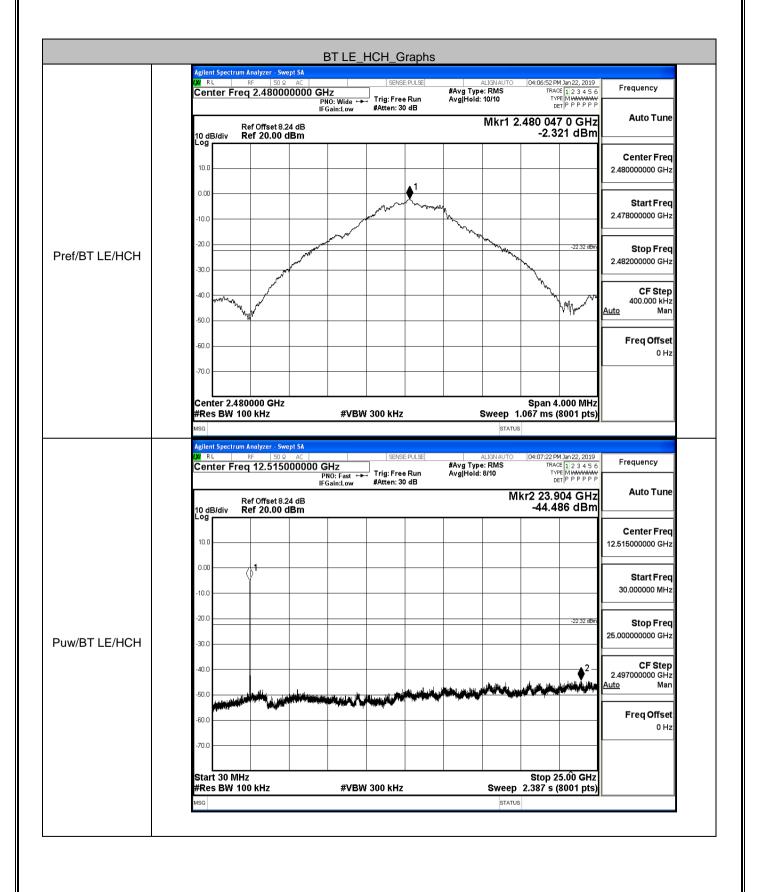


## **B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.502	-43.222	-22.502	PASS
BT LE	MCH	-2.594	-43.944	-22.594	PASS
BT LE	НСН	-2.321	-44.486	-22.321	PASS

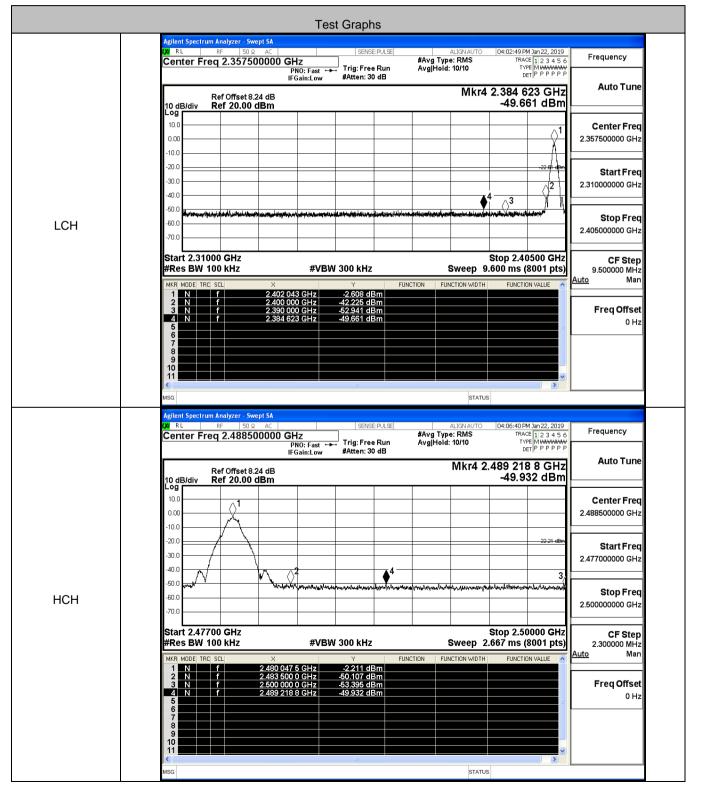






## **B.6 Band-edge for RF Conducted Emissions**

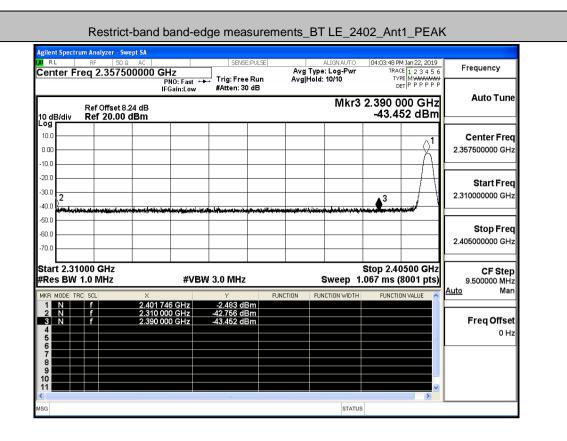
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.608	-49.661	-22.61	PASS
BT LE	HCH	-2.211	-49.932	-22.21	PASS

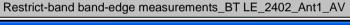


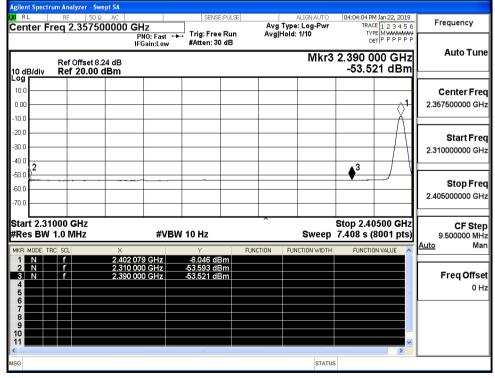
Page 12 of 15

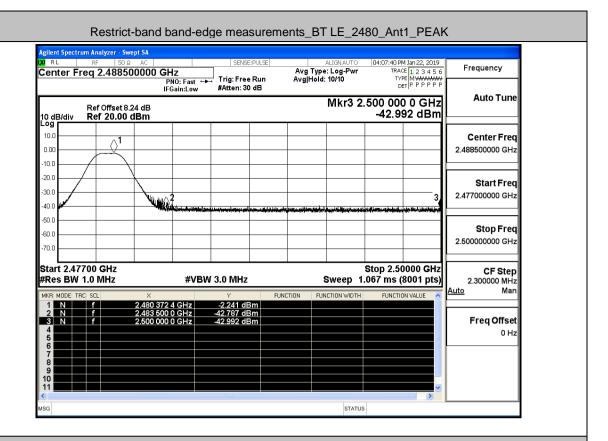
## **B.7 Restrict-band band-edge measurements**

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-42.76	2.0	0	52.50	PEAK	74	PASS
	2402	Ant1	2310.0	-53.59	2.0	0	41.66	AV	54	PASS
		Ant1	2390.0	-43.45	2.0	0	51.81	PEAK	74	PASS
BT LE		Ant1	2390.0	-53.52	2.0	0	41.74	AV	54	PASS
		Ant1	2483.5	-42.79	2.0	0	52.47	PEAK	74	PASS
		Ant1	2483.5	-52.09	2.0	0	43.17	AV	54	PASS
	2480	Ant1	2500.0	-42.99	2.0	0	52.27	PEAK	74	PASS
		Ant1	2500.0	-52.99	2.0	0	42.27	AV	54	PASS









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

