## **Appendix B**

# RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

**Product Name: Bluetooth Backpack Speaker** 

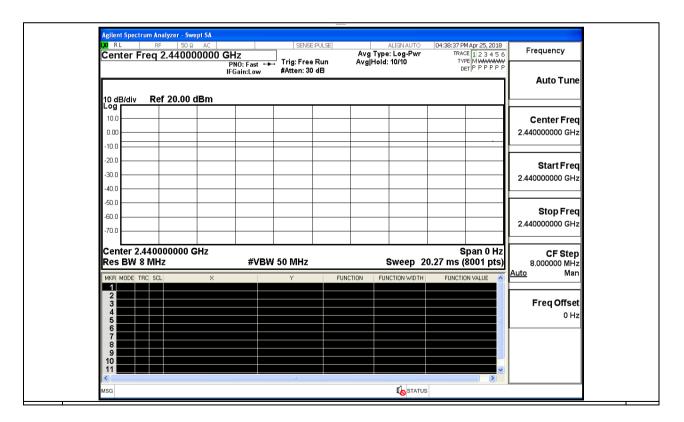
Trade Mark: WizPak
Test Model: WizPak

#### **Environmental Conditions**

Temperature:	21.3 ° C				
Relative Humidity:	52.6%				
ATM Pressure:	100.0 kPa				
Test Engineer:	Wilson.Hong				
Supervised by:	Jayden.Zhuo				

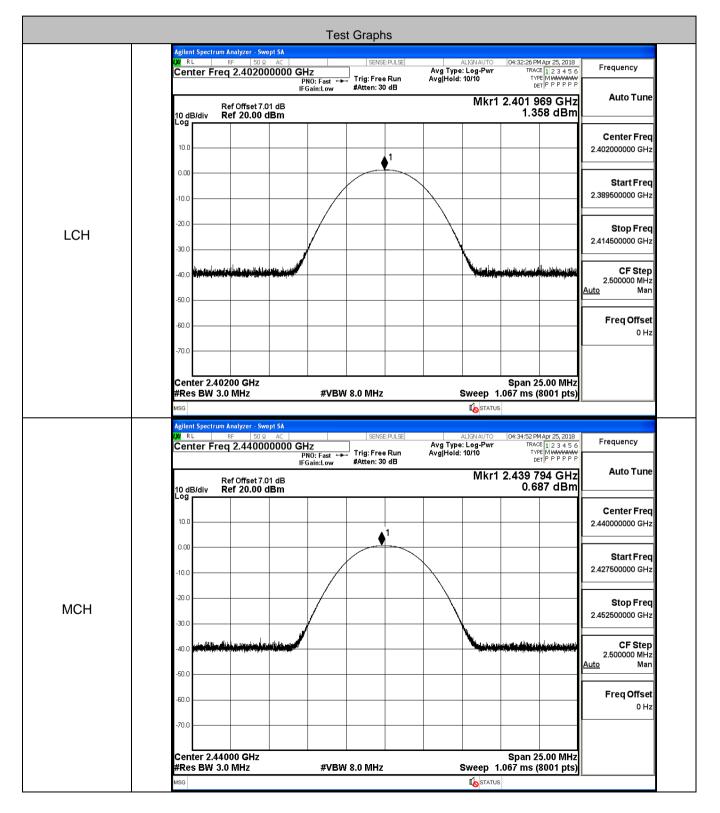
## **B.1 Duty Cycle**

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

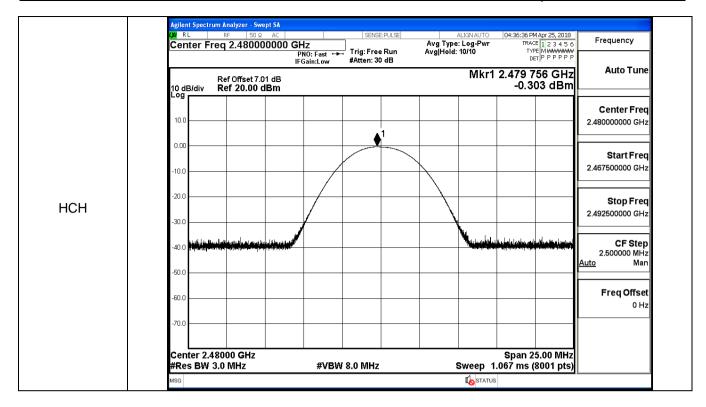


## **B.2 Maximum Conducted Peak Output Power**

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.358	30	PASS
BT LE	MCH	0.687	30	PASS
BT LE	HCH	-0.303	30	PASS

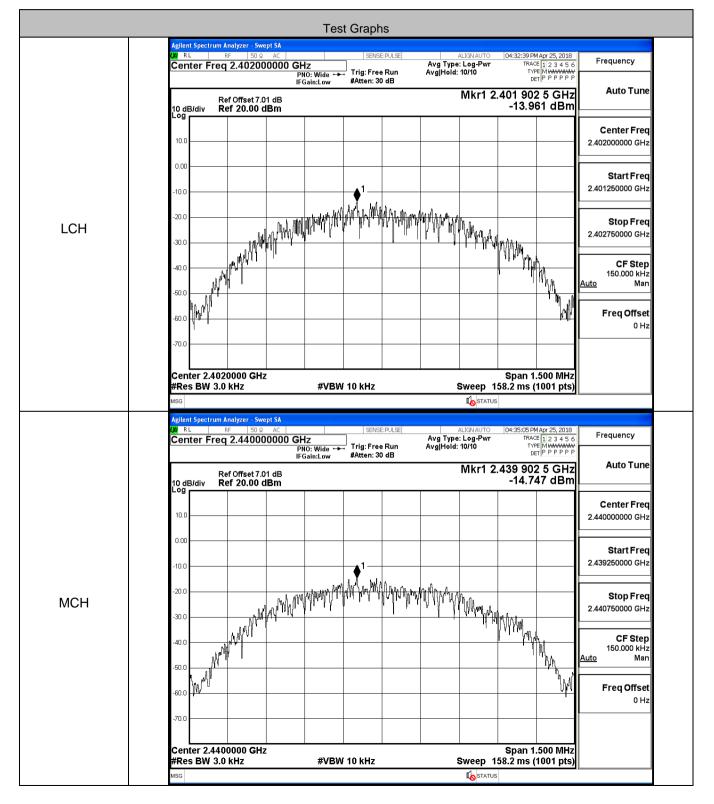


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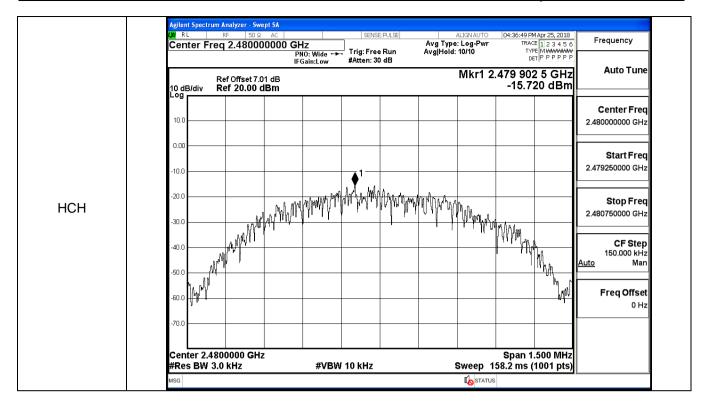


## **B.3 Maximum Power Spectral Density**

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.961	8	PASS
BT LE	MCH	-14.747	8	PASS
BT LE	НСН	-15.720	8	PASS

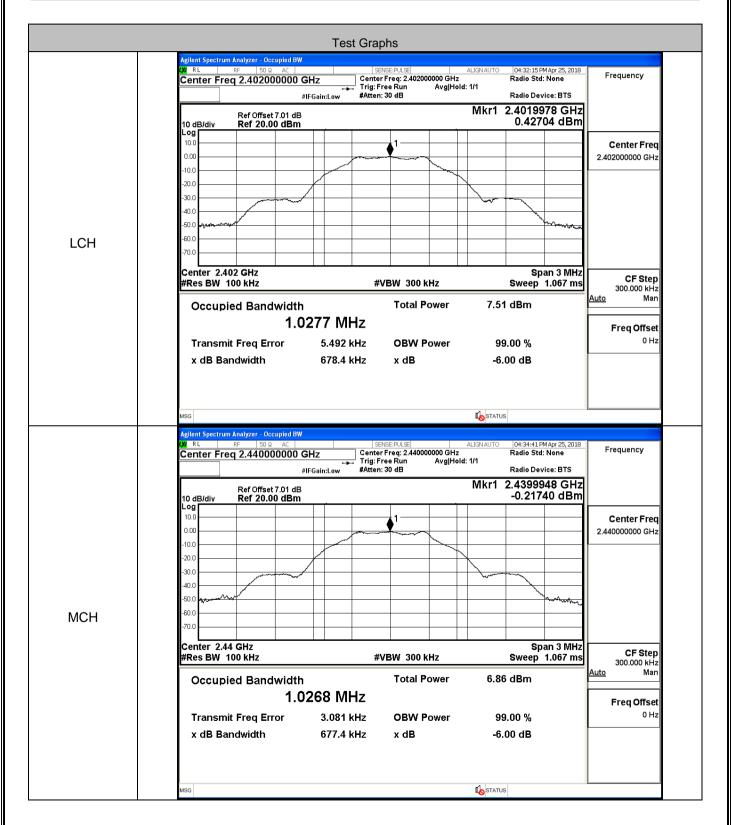


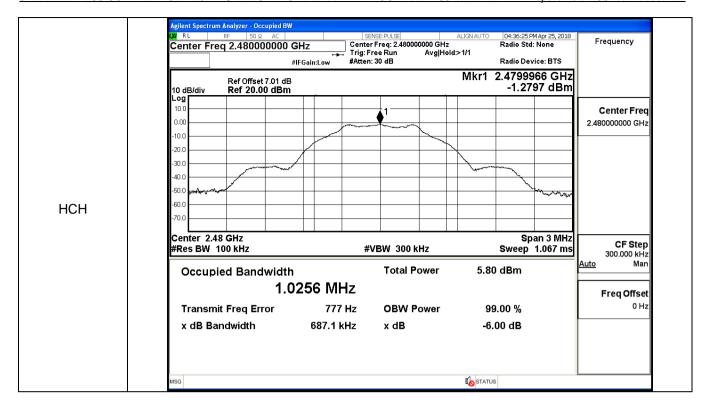
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#### **B.4 6dB Bandwidth**

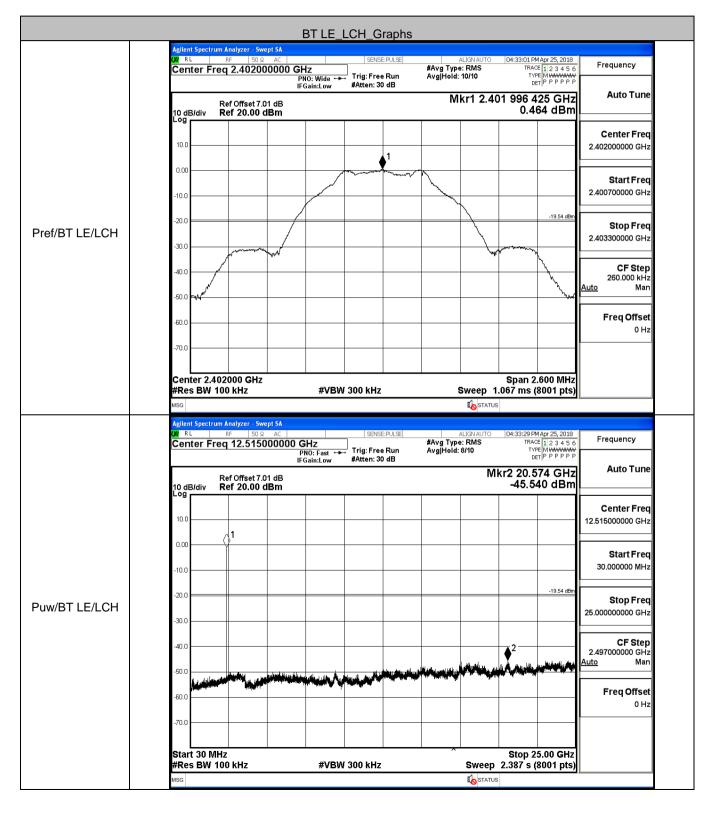
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6784	≥0.5	PASS
BT LE	MCH	0.6774	≥0.5	PASS
BT LE	HCH	0.6871	≥0.5	PASS

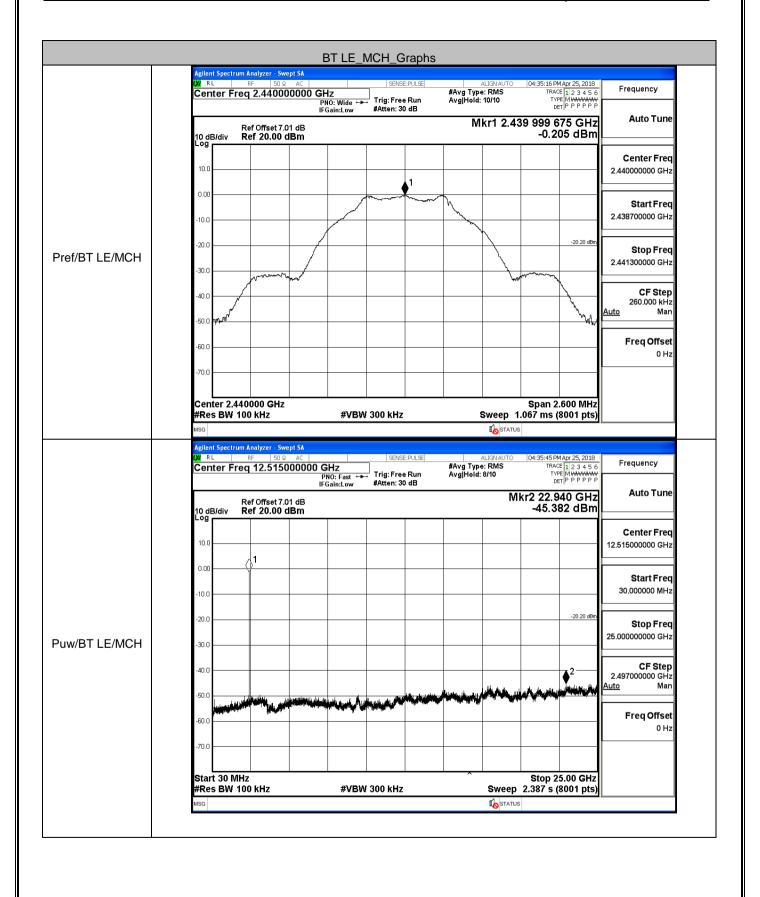


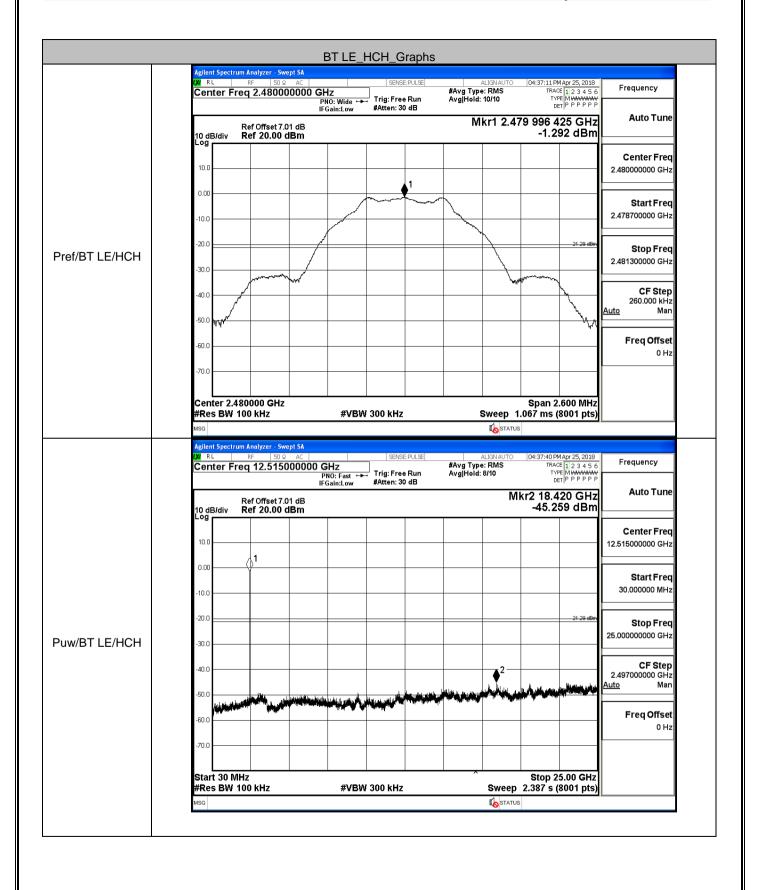


## **B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.464	-45.540	-19.536	PASS
BT LE	МСН	-0.205	-45.382	-20.205	PASS
BT LE	НСН	-1.292	-45.259	-21.292	PASS

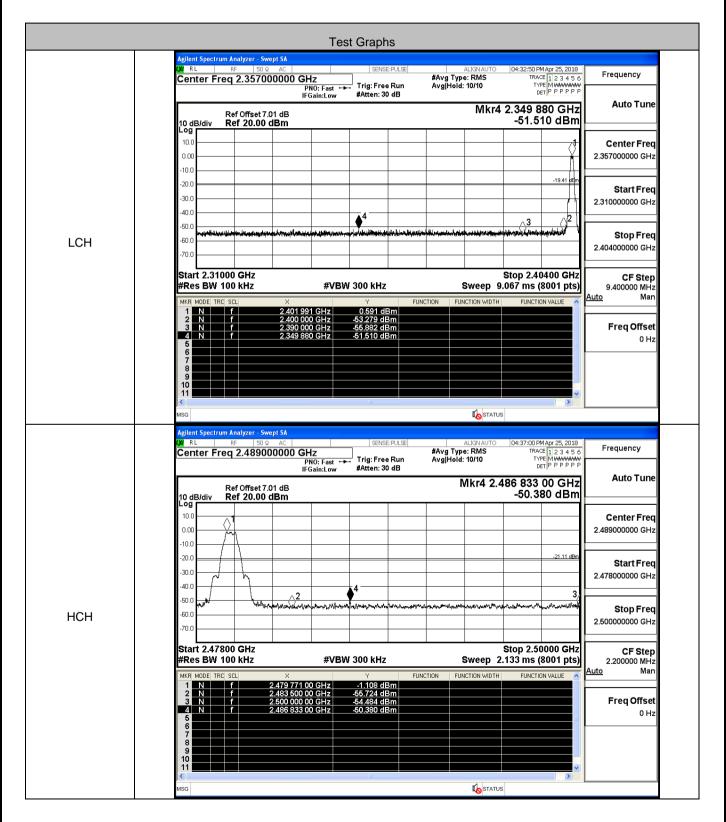






### **B.6 Band-edge for RF Conducted Emissions**

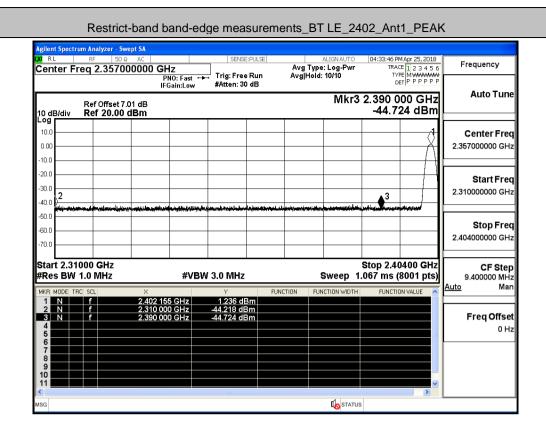
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.591	-51.510	-19.41	PASS
BT LE	НСН	-1.108	-50.380	-21.11	PASS



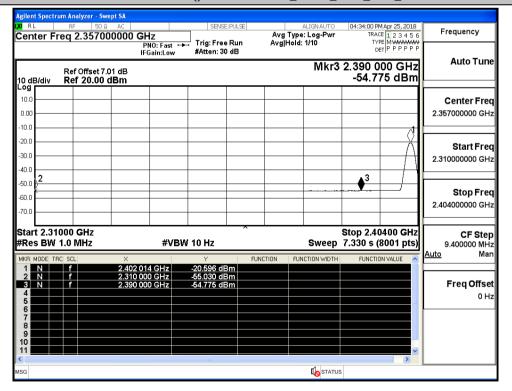
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# **B.7 Restrict-band band-edge measurements**

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-44.22	2.0	0	53.04	PEAK	74	PASS
	2402	Ant1	2310.0	-55.03	2.0	0	42.23	AV	54	PASS
		Ant1	2390.0	-44.72	2.0	0	52.53	PEAK	74	PASS
		Ant1	2390.0	-54.78	2.0	0	42.48	AV	54	PASS
BT LE	2480	Ant1	2483.5	-43.76	2.0	0	53.50	PEAK	74	PASS
		Ant1	2483.5	-54.56	2.0	0	42.70	AV	54	PASS
		Ant1	2500.0	-43.67	2.0	0	53.59	PEAK	74	PASS
		Ant1	2500.0	-54.47	2.0	0	42.78	AV	54	PASS

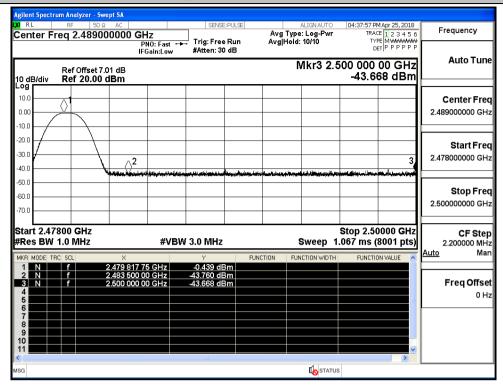


#### Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV



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



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

