## **Appendix B**

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

Product Name: Bluetooth remote controller

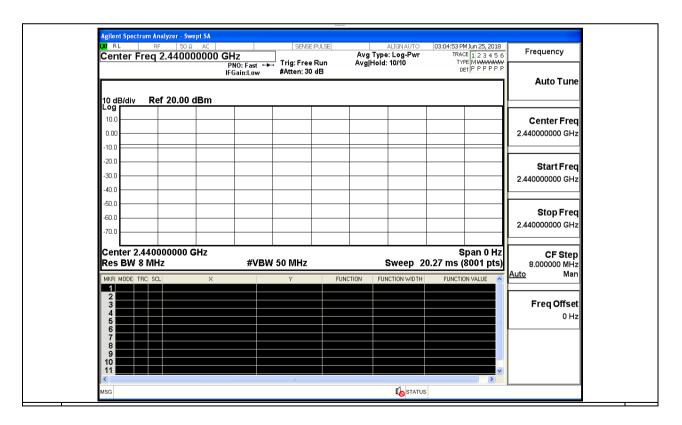
Trade Mark: GUIDE Test Model: RC01

### **Environmental Conditions**

Temperature:	22.2 ° C			
Relative Humidity:	53.3%			
ATM Pressure:	100.0 kPa			
Test Engineer:	Mina.Xu			
Supervised by:	Jayden.Zhuo			

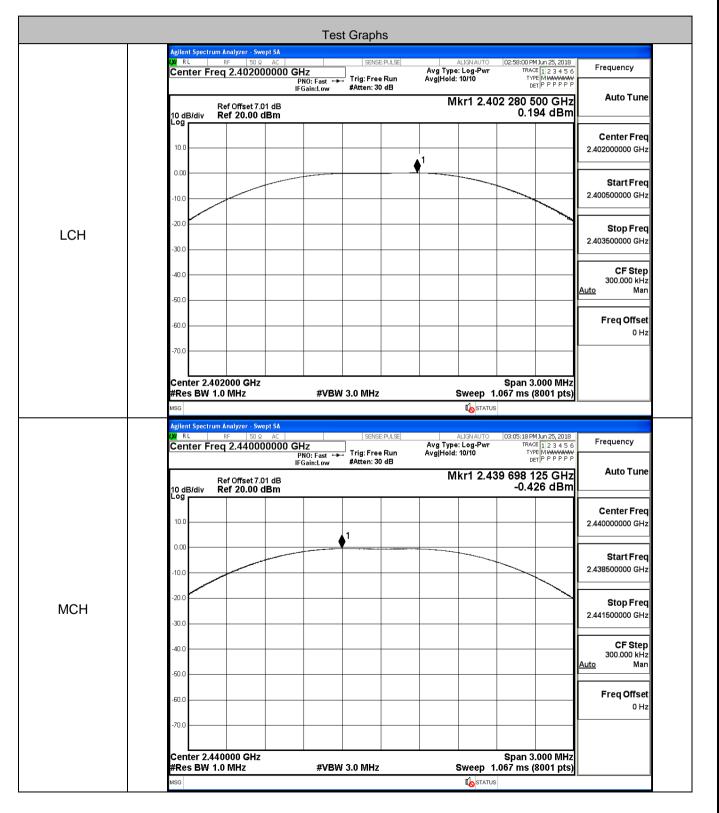
## A.1 Duty Cycle

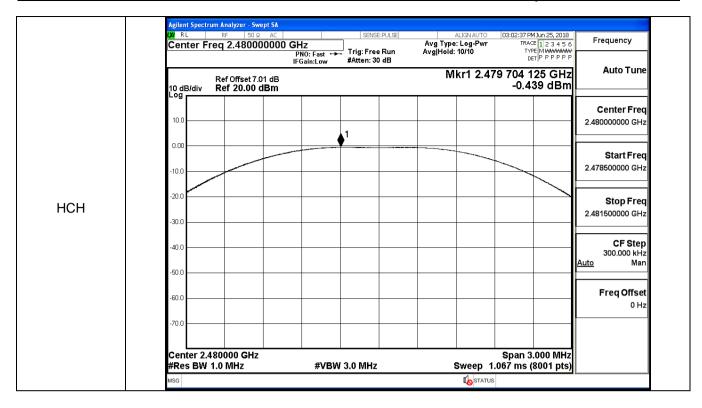
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict	
BT LE	2440	Ant1	100	PASS	



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

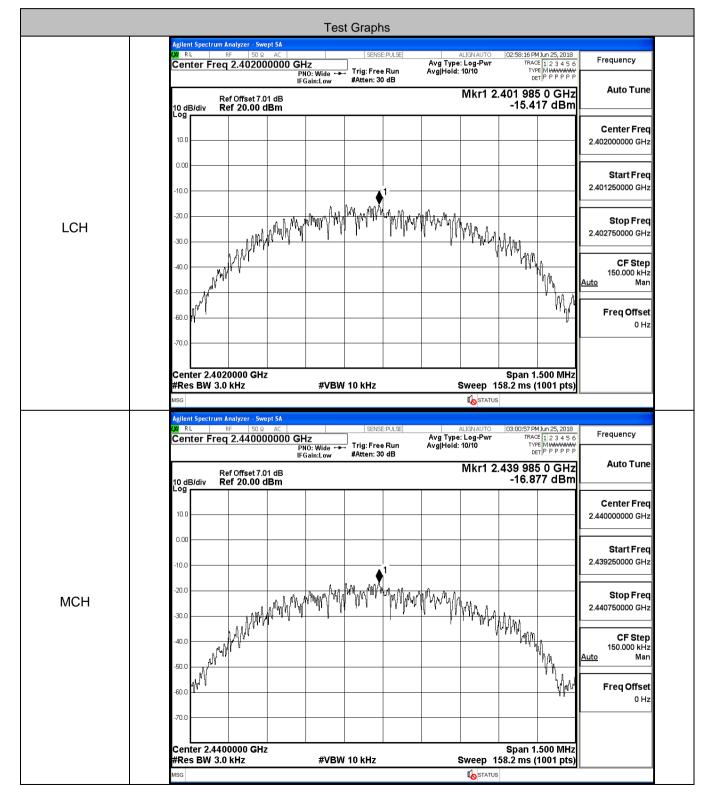
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.194	30	PASS
BT LE	MCH	-0.426	30	PASS
BT LE	HCH	-0.439	30	PASS



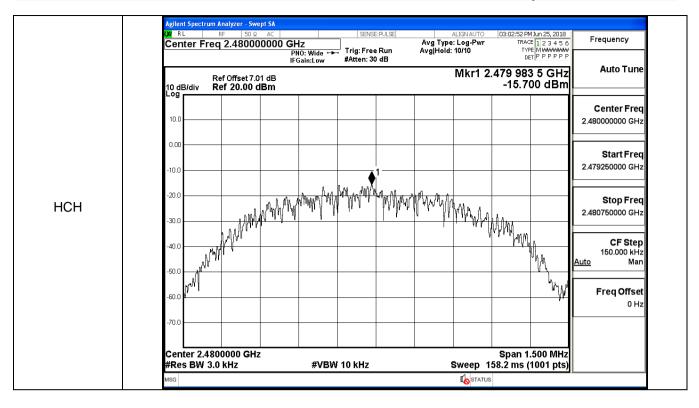


### A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.417	8	PASS
BT LE	MCH	-16.877	8	PASS
BT LE	НСН	-15.700	8	PASS

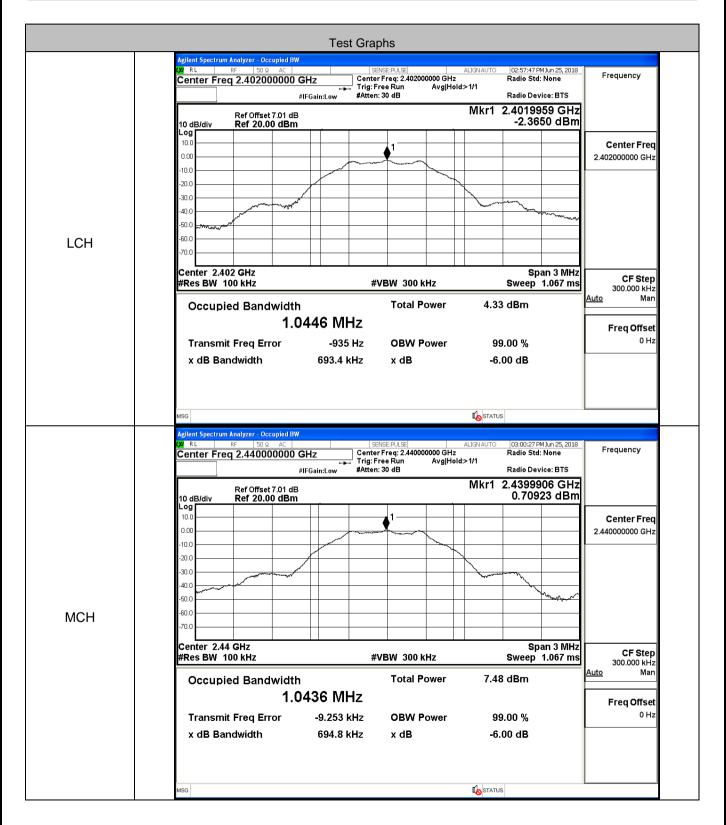


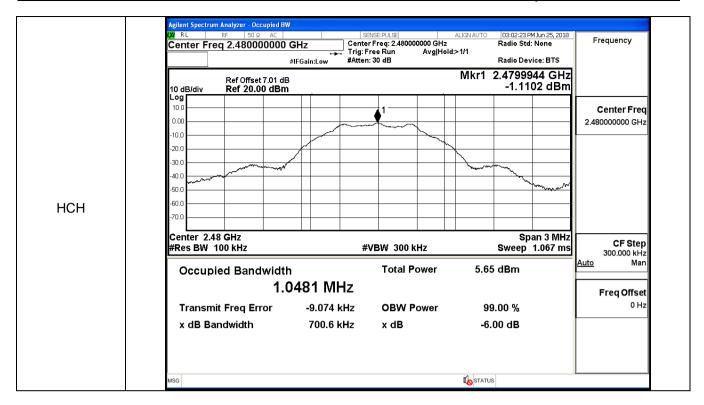
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### A.4 6dB Bandwidth

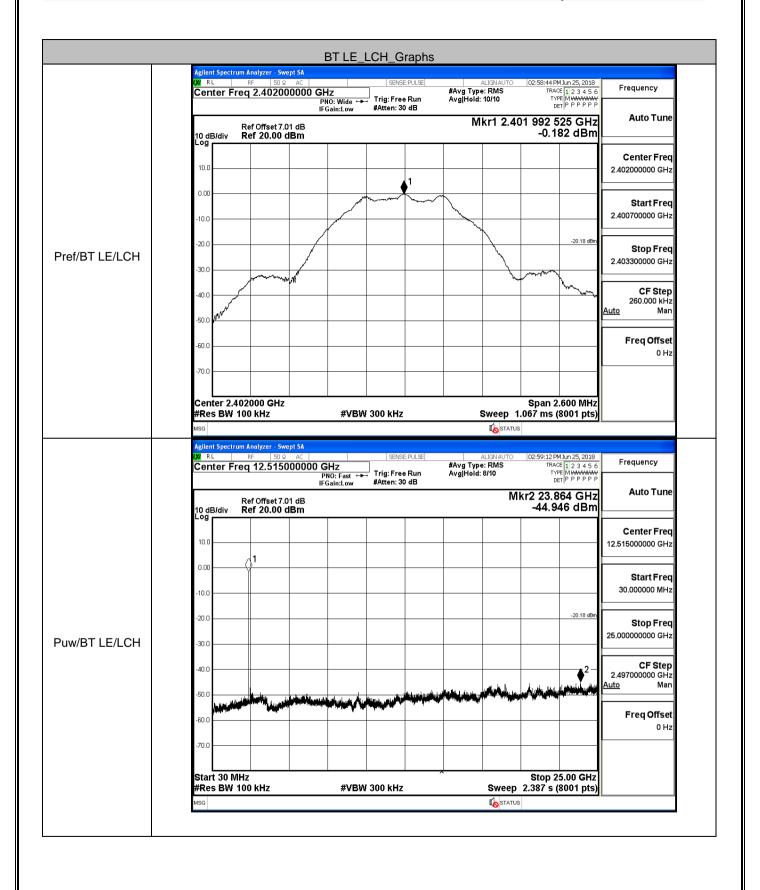
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6934	≥0.5	PASS
BT LE	MCH	0.6948	≥0.5	PASS
BT LE	HCH	0.7006	≥0.5	PASS

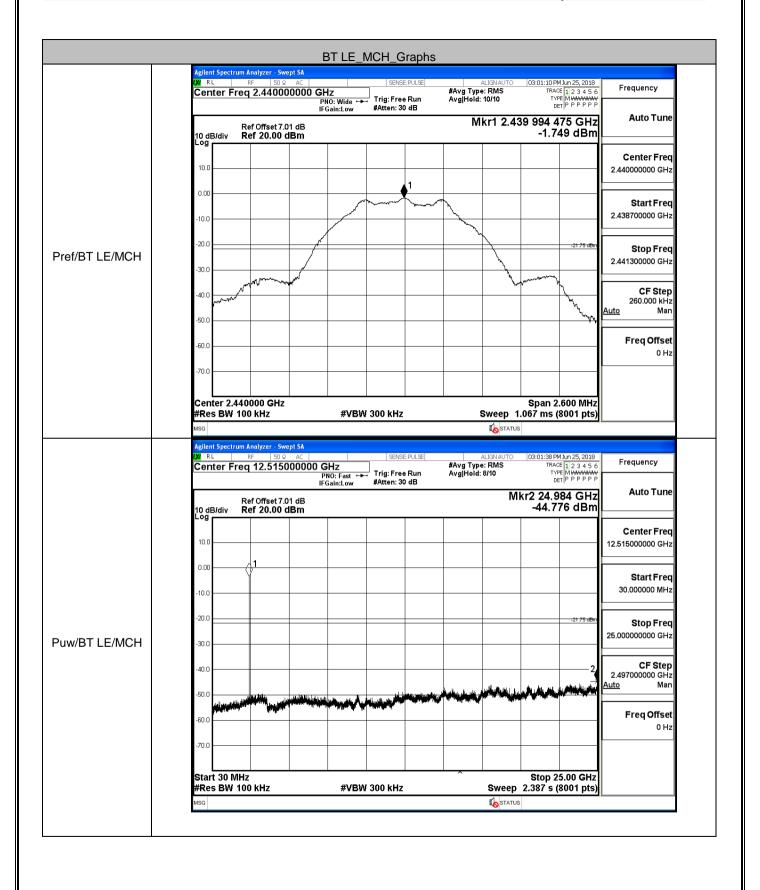


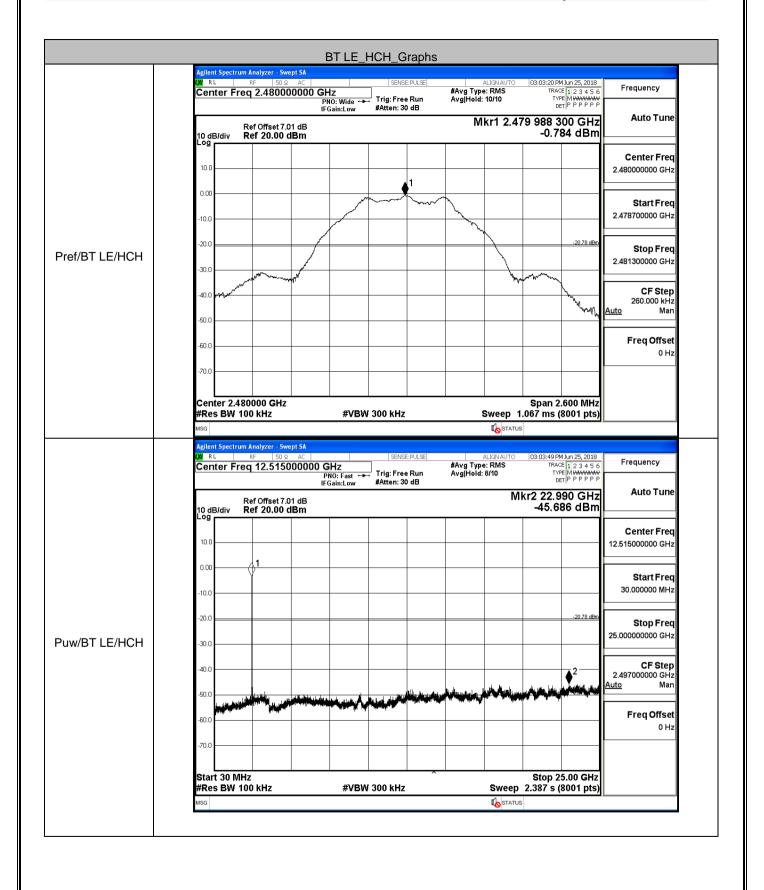


## A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.182	-44.946	-20.182	PASS
BT LE	MCH	-1.749	-44.776	-21.749	PASS
BT LE	НСН	-0.784	-45.686	-20.784	PASS

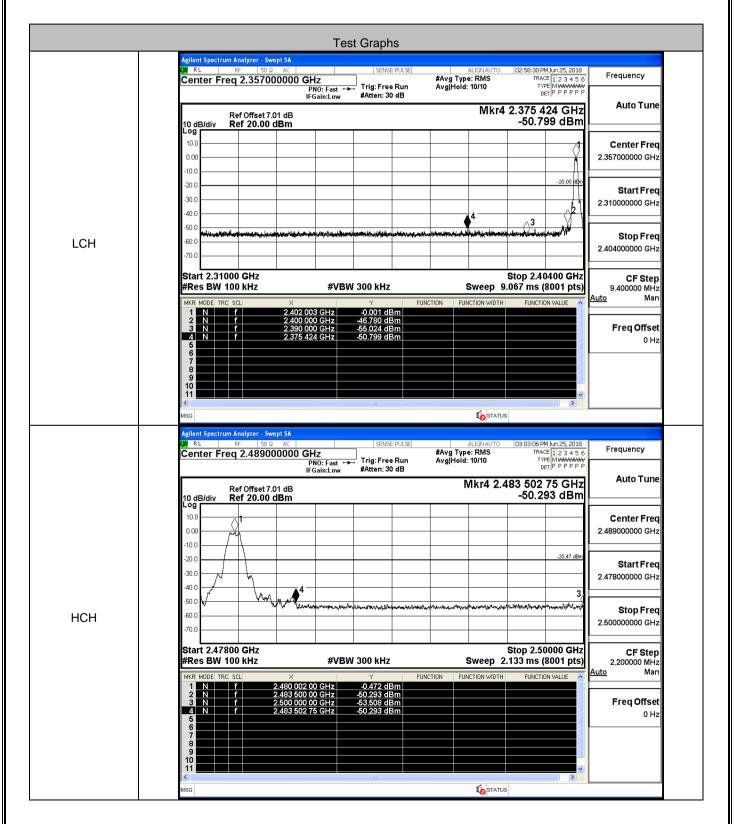






### A.6 Band-edge for RF Conducted Emissions

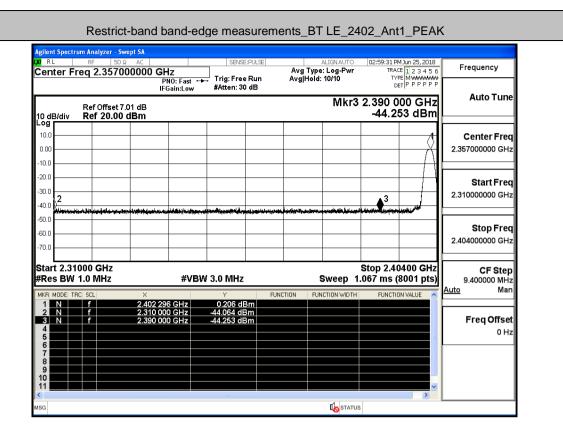
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.001	-50.799	-20	PASS
BT LE	HCH	-0.472	-50.293	-20.47	PASS



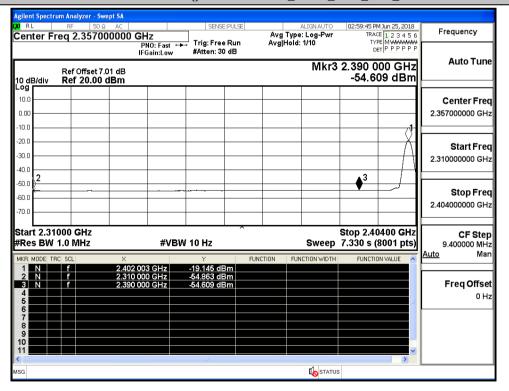
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# A.7 Restrict-band band-edge measurements

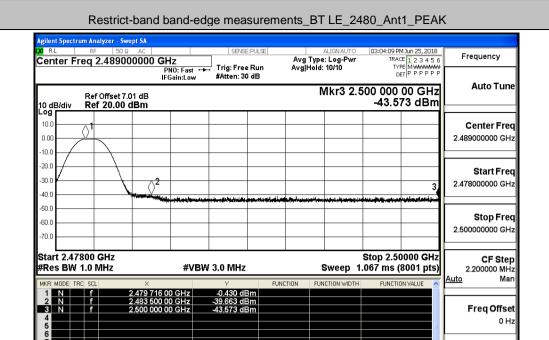
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-44.06	2.0	0	53.19	PEAK	74	PASS
	2402	Ant1	2310.0	-54.86	2.0	0	42.39	AV	54	PASS
		Ant1	2390.0	-44.25	2.0	0	53.00	PEAK	74	PASS
		Ant1	2390.0	-54.61	2.0	0	42.65	AV	54	PASS
BT LE	2480	Ant1	2483.5	-39.66	2.0	0	57.59	PEAK	74	PASS
		Ant1	2483.5	-52.99	2.0	0	44.27	AV	54	PASS
		Ant1	2500.0	-43.57	2.0	0	53.68	PEAK	74	PASS
		Ant1	2500.0	-54.38	2.0	0	42.88	AV	54	PASS



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



**STATUS** 



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

