Appendix B

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

Product Name: Wireless Flight Adapter

Trade Mark: RHA

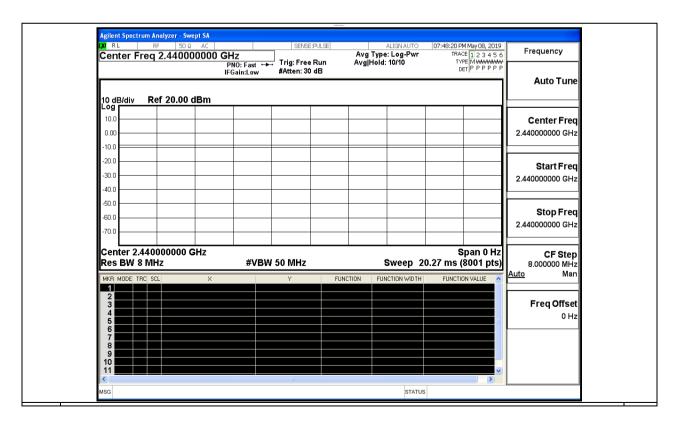
Test Model: Flight Adapter

Environmental Conditions

Temperature:	24.9 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.lu
Supervised by:	Tom.Liu

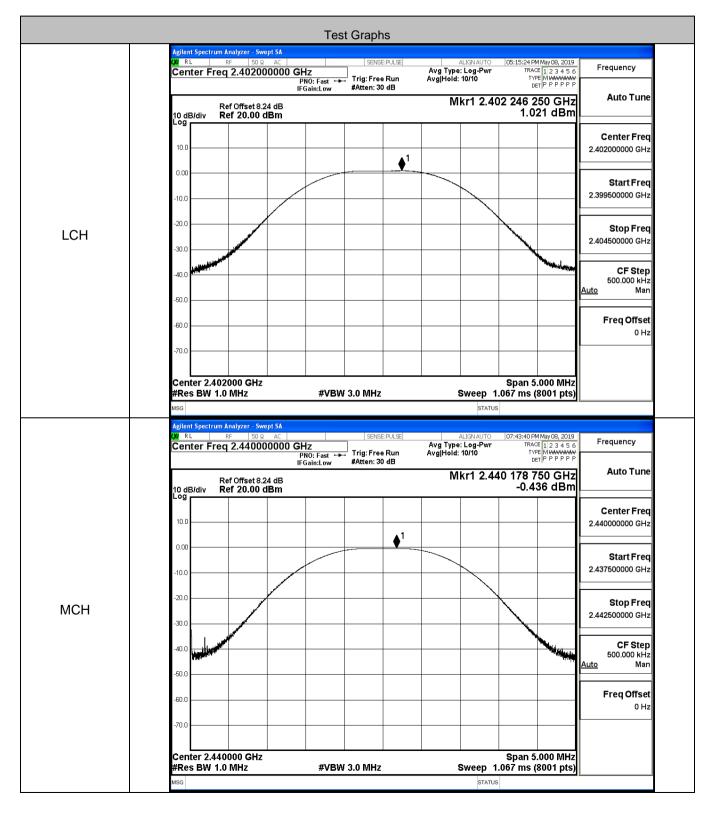
B.1 Duty Cycle

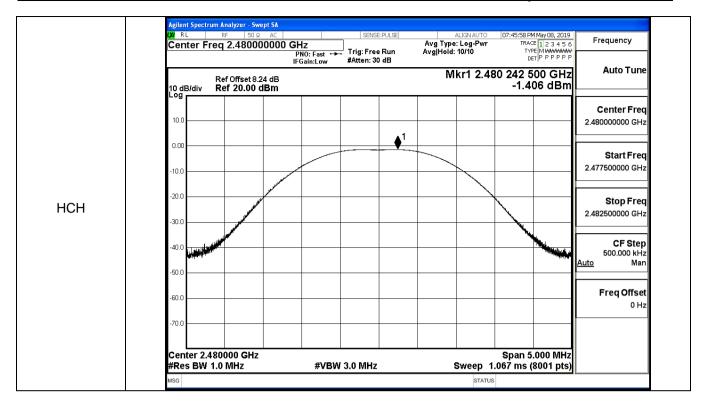
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

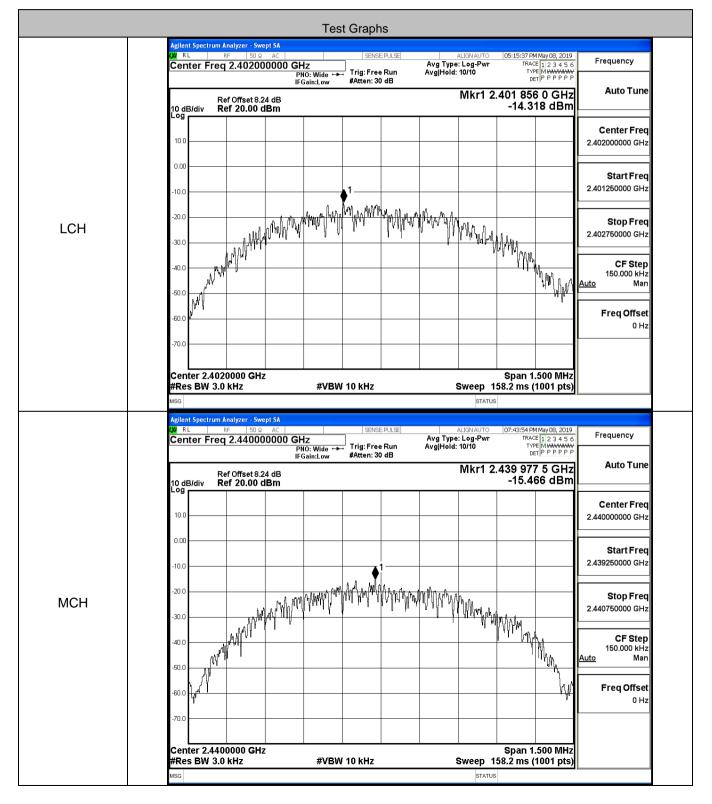
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.021	30	PASS
BT LE	MCH	-0.436	30	PASS
BT LE	HCH	-1.406	30	PASS

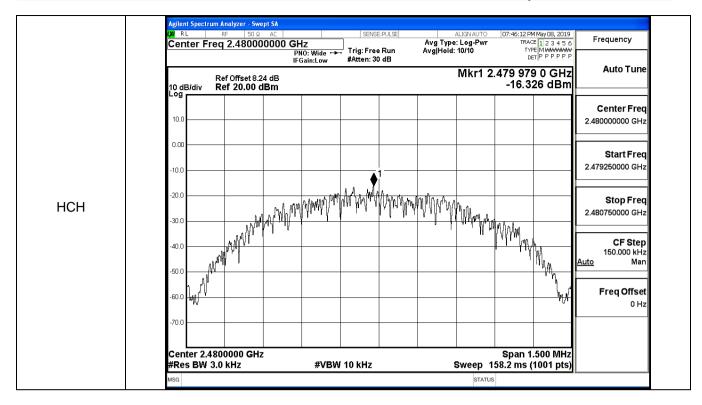




B.3 Maximum Power Spectral Density

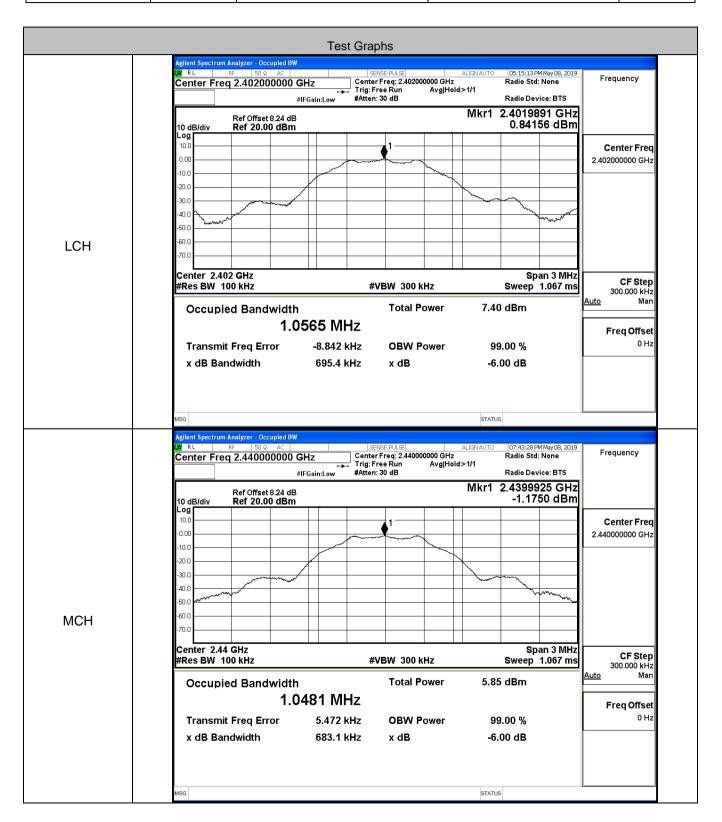
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.318	8	PASS
BT LE	MCH	-15.466	8	PASS
BT LE	НСН	-16.326	8	PASS

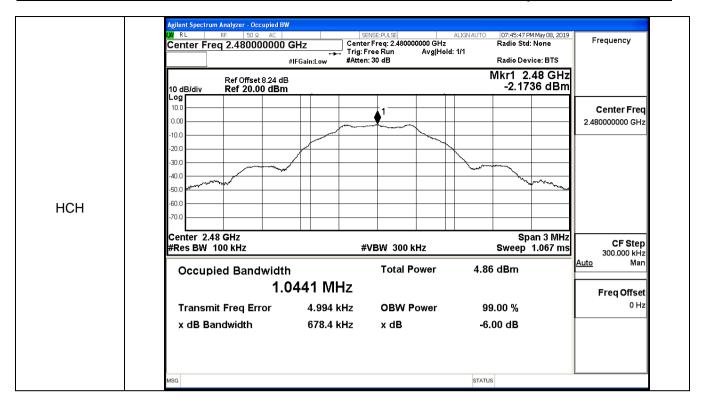




B.4 6dB Bandwidth

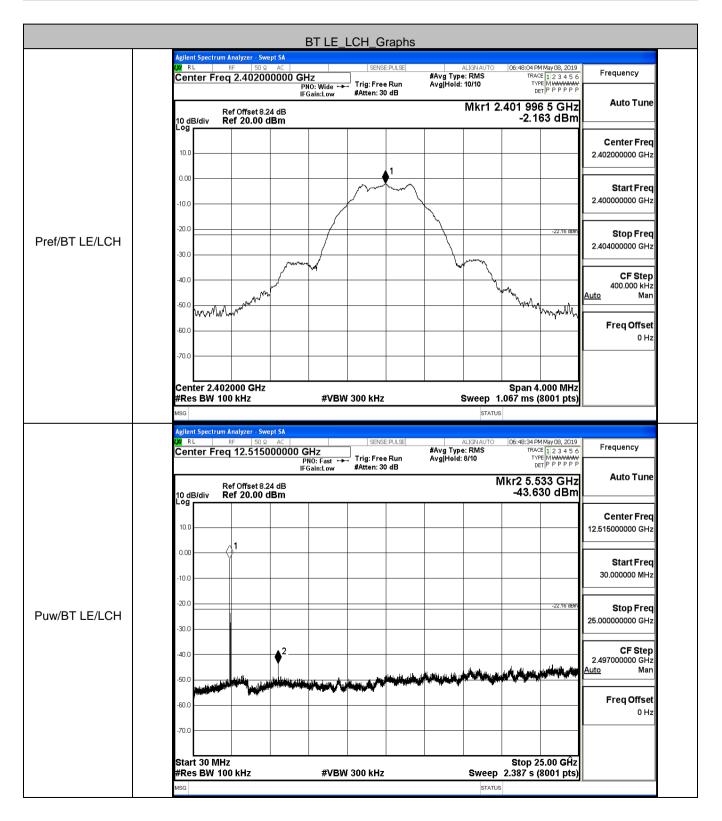
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6954	≥0.5	PASS
BT LE	MCH	0.6831	≥0.5	PASS
BT LE	НСН	0.6784	≥0.5	PASS

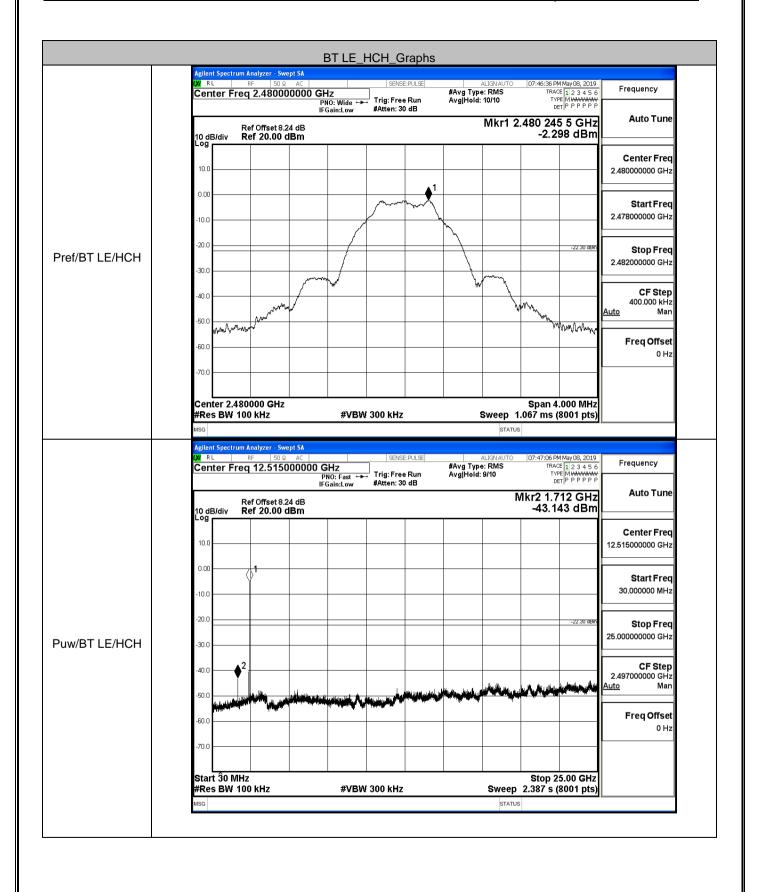




B.5 RF Conducted Spurious Emissions

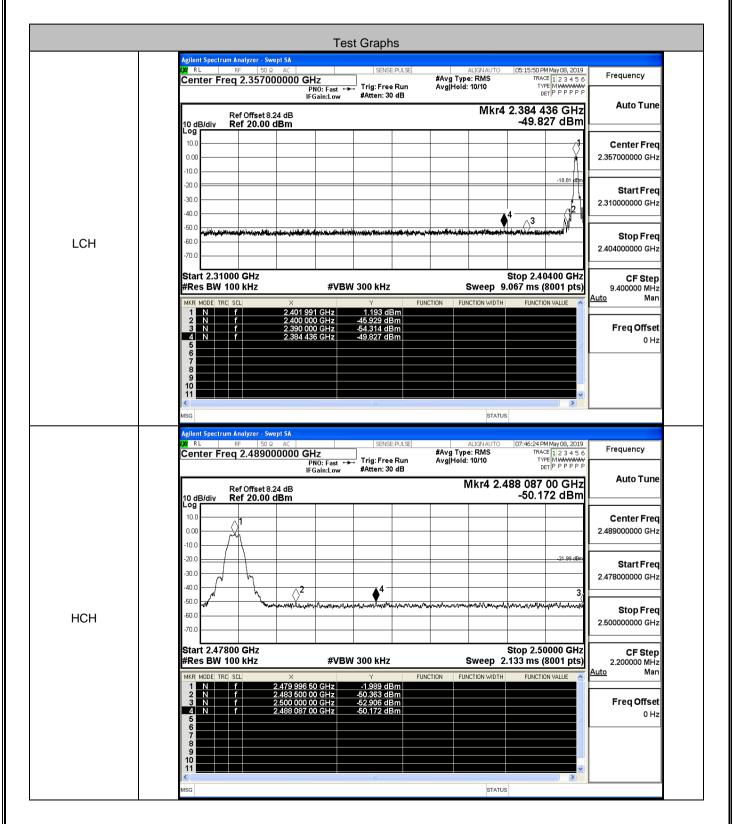
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.163	-43.630	-22.163	PASS
BT LE	MCH	-1.171	-43.603	-21.171	PASS
BT LE	НСН	-2.298	-43.143	-22.298	PASS





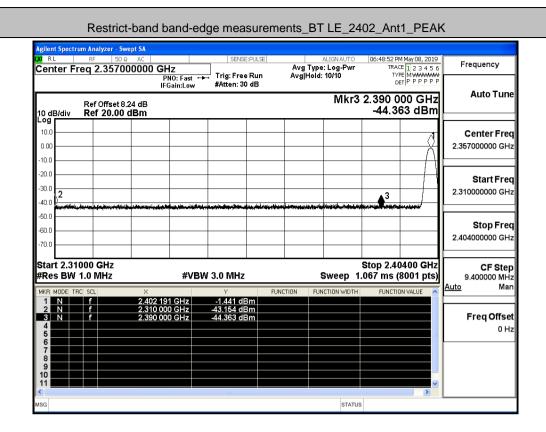
B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.193	-49.827	-18.81	PASS
BT LE	HCH	-1.989	-50.172	-21.99	PASS

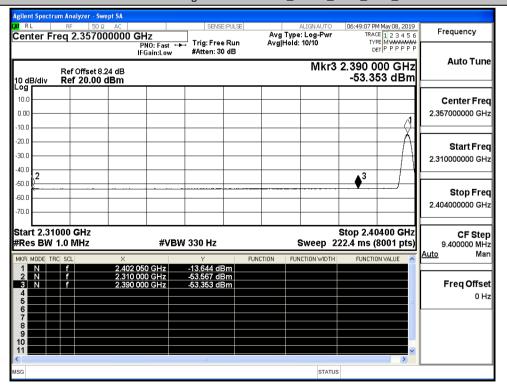


B.7 Restrict-band band-edge measurements

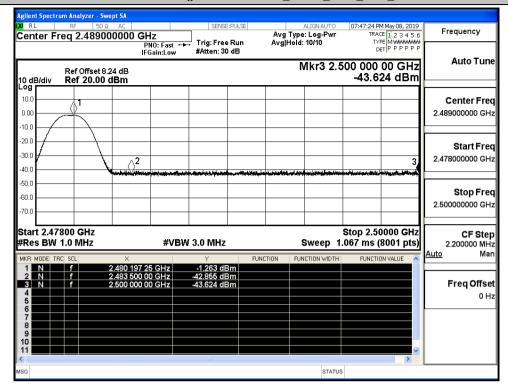
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-43.15	3.0	0	55.11	PEAK	74	PASS
	2402	Ant1	2310.0	-53.57	3.0	0	44.69	AV	54	PASS
		Ant1	2390.0	-44.36	3.0	0	53.9	PEAK	74	PASS
		Ant1	2390.0	-53.35	3.0	0	44.91	AV	54	PASS
BT LE		Ant1	2483.5	-42.86	3.0	0	55.4	PEAK	74	PASS
		Ant1	2483.5	-53.04	3.0	0	45.22	AV	54	PASS
	2480	Ant1	2500.0	-43.62	3.0	0	54.64	PEAK	74	PASS
		Ant1	2500.0	-52.97	3.0	0	45.29	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

