# **Appendix B**

# RF Test Data for BT V4.0(BLE) (Conducted Measurement)

Product Name: GSM/WCDMA Smartphone

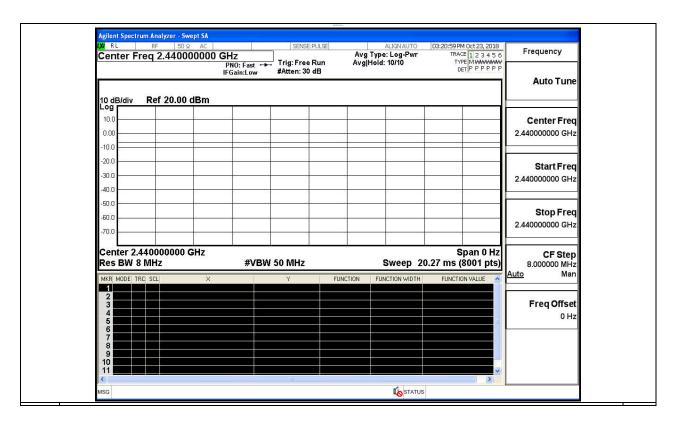
Trade Mark: DOOGEE
Test Model: X50

#### **Environmental Conditions**

<del></del>	
Temperature:	24.6 ° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	WangChuang
Supervised by:	Jayden.Zhuo

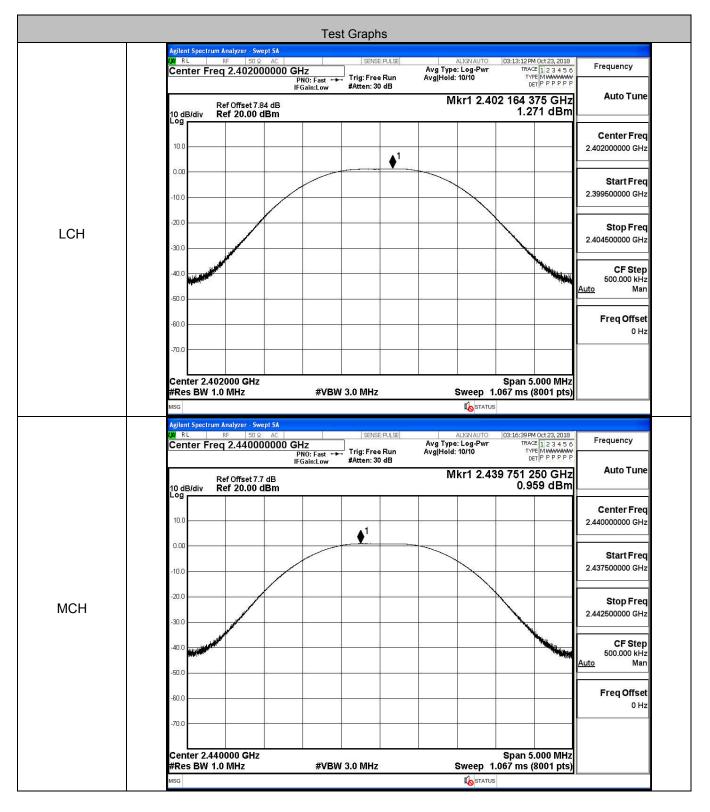
## **B.1 Duty Cycle**

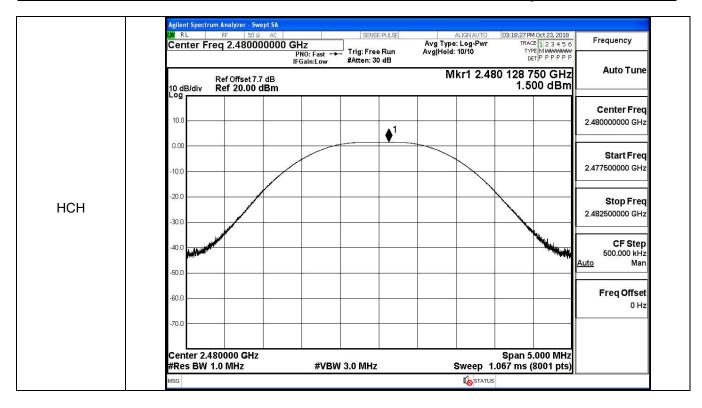
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



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

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.271	30	PASS
BT LE	MCH	0.959	30	PASS
BT LE	НСН	1.5	30	PASS

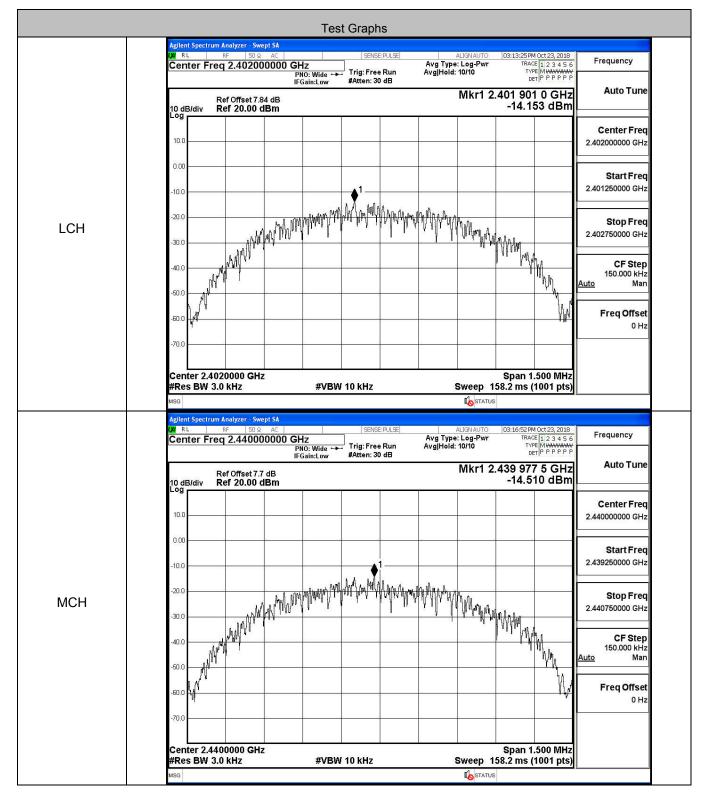




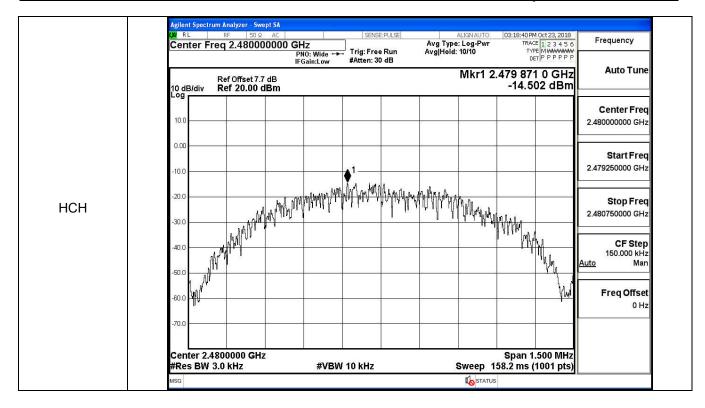
#### **B.3 Maximum Power Spectral Density**

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Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.153	8	PASS
BT LE	MCH	-14.510	8	PASS
BT LE	НСН	-14.502	8	PASS

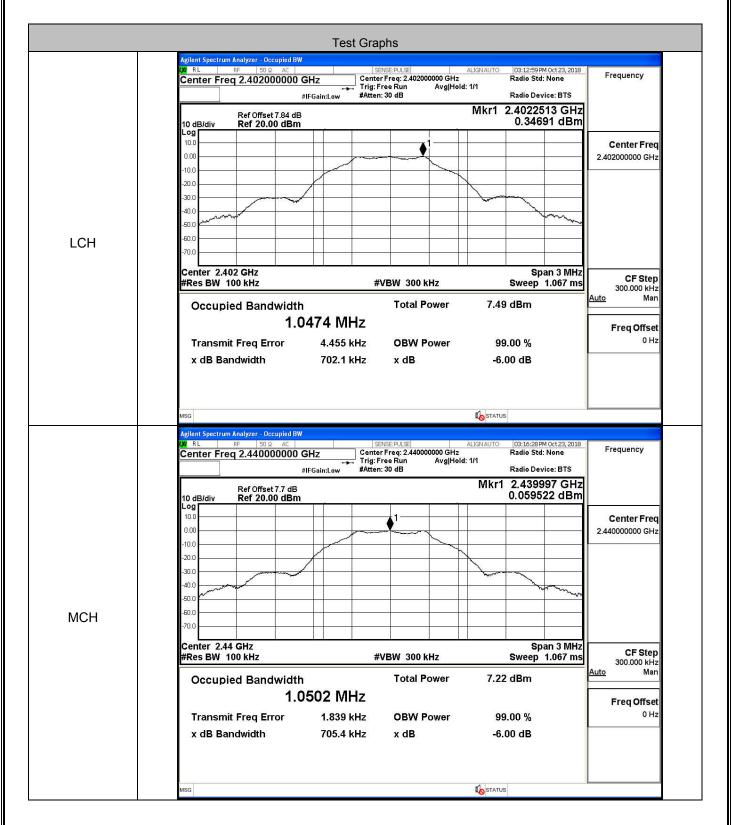


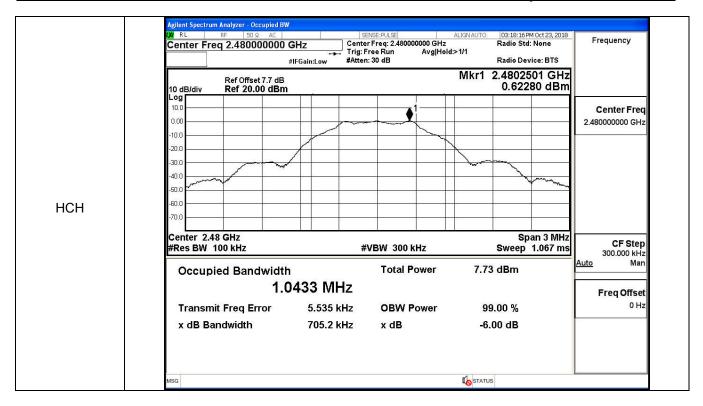
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#### **B.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	6dB Bandwidth [MHz] Limit [MHz]	
BT LE	LCH	0.7021	≥0.5	PASS
BT LE	MCH	0.7054	≥0.5	PASS
BT LE	HCH	0.7052	≥0.5	PASS

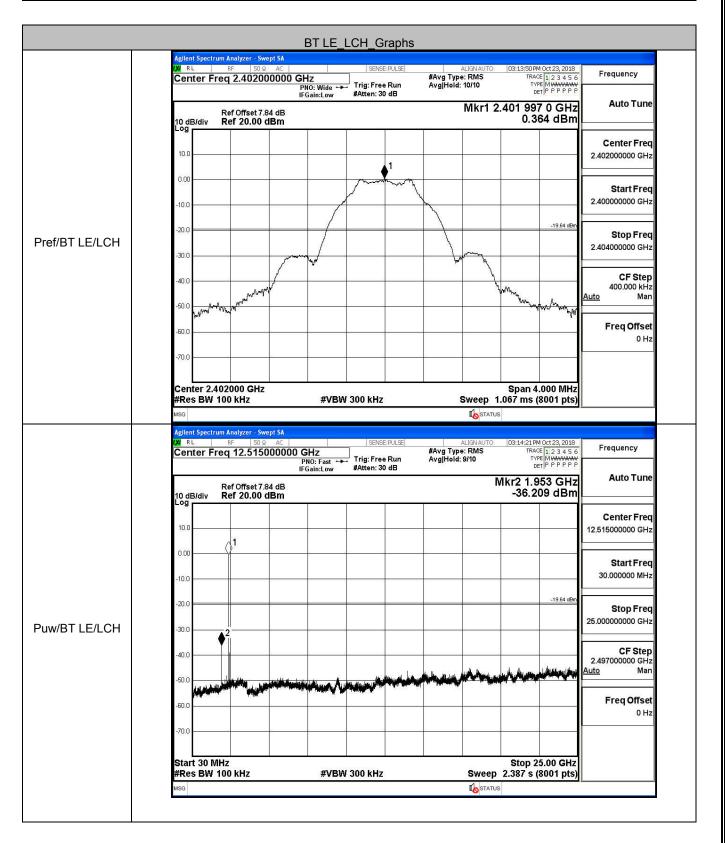


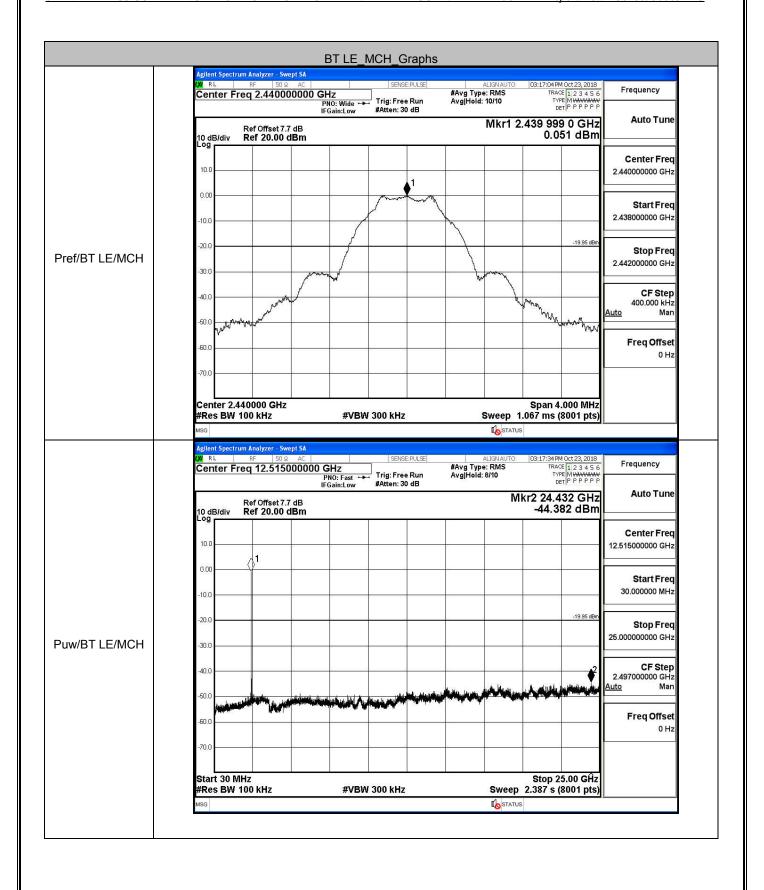


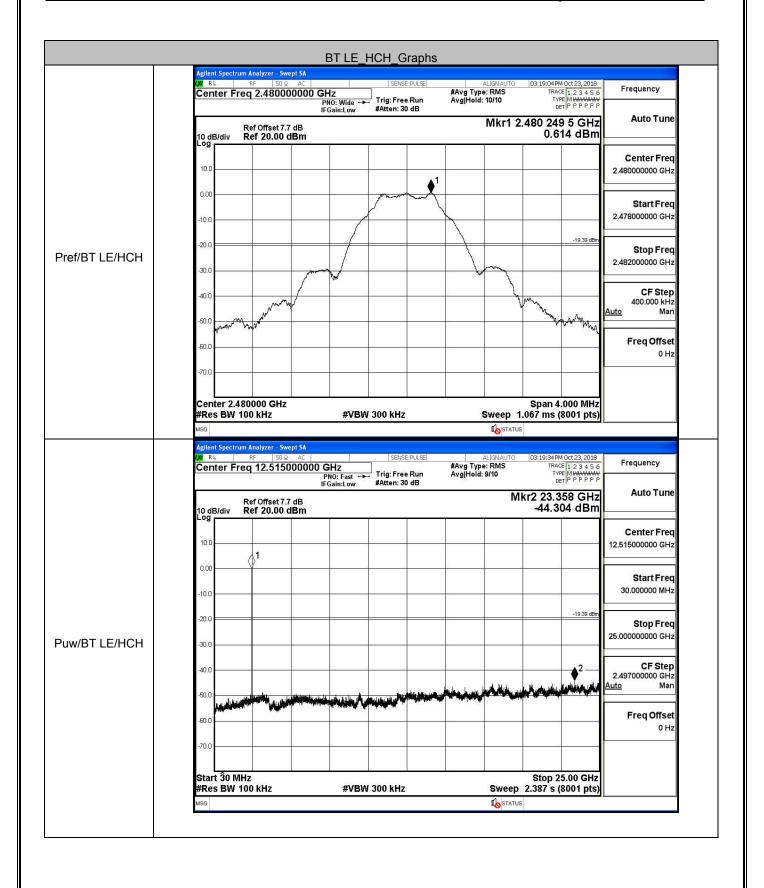
#### **B.5 RF Conducted Spurious Emissions**

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Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.364	-36.209	-19.636	PASS
BT LE	MCH	0.051	-44.382	-19.949	PASS
BT LE	HCH	0.614	-44.304	-19.386	PASS

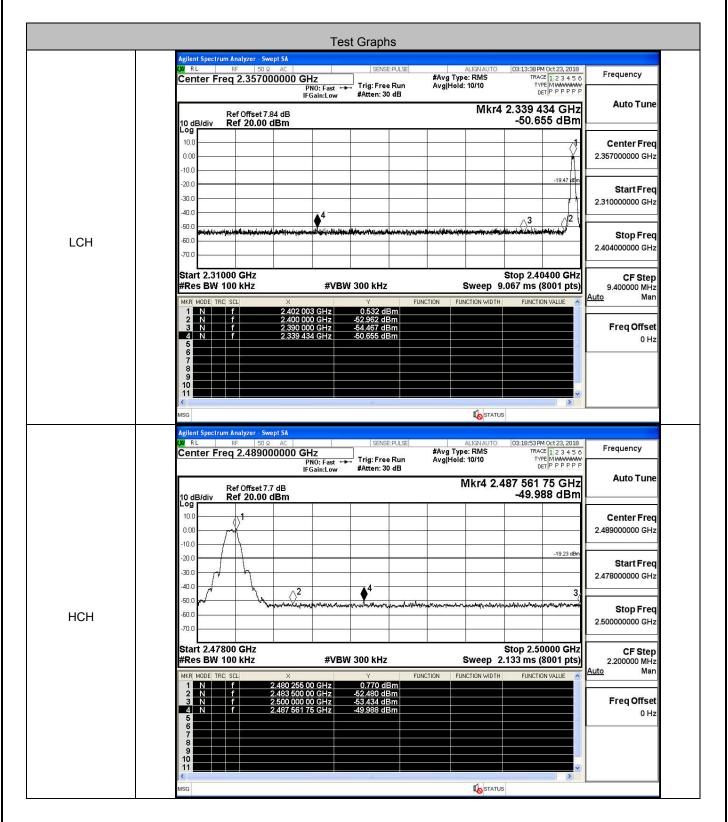






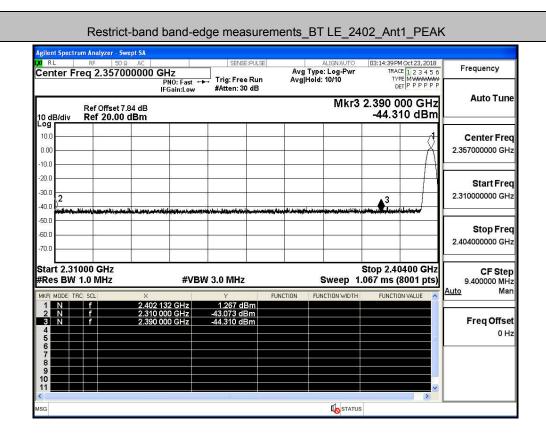
#### **B.6 Band-edge for RF Conducted Emissions**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.532	-50.655	-19.47	PASS
BT LE	HCH	0.770	-49.988	-19.23	PASS

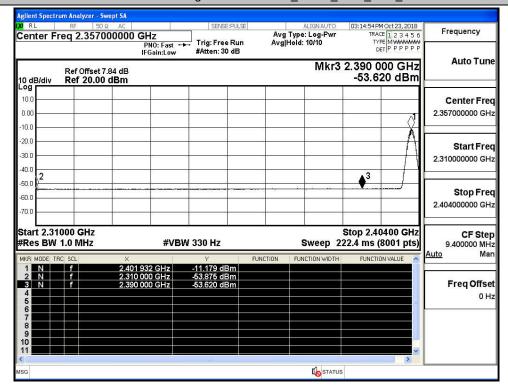


# **B.7 Restrict-band band-edge measurements**

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdict
		Ant1	2310.0	-43.07	2.0	0	54.16	PEAK	74	PASS
	2402	Ant1	2310.0	-53.88	2.0	0	43.35	AV	54	PASS
BT LE		Ant1	2390.0	-44.31	2.0	0	52.92	PEAK	74	PASS
		Ant1	2390.0	-53.62	2.0	0	43.61	AV	54	PASS
	2480	Ant1	2483.5	-42.79	2.0	0	54.44	PEAK	74	PASS
		Ant1	2483.5	-53.41	2.0	0	43.82	AV	54	PASS
		Ant1	2500.0	-43.54	2.0	0	53.69	PEAK	74	PASS
		Ant1	2500.0	-53.39	2.0	0	43.84	AV	54	PASS

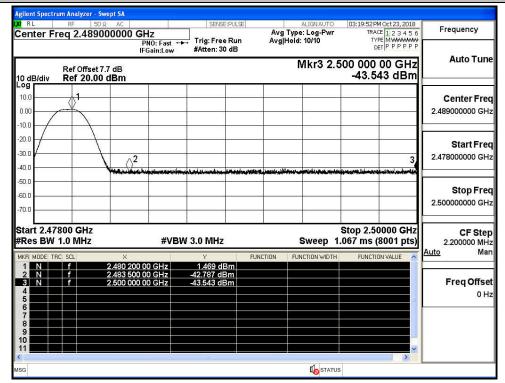


#### Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV



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



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

