# **Appendix B**

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

Product Name: LTE GSM/WCDMA Smartphone

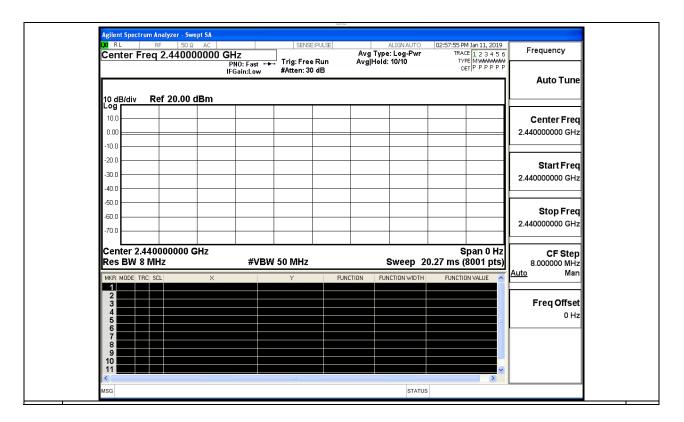
Trade Mark: DOOGEE
Test Model: S90

#### **Environmental Conditions**

Temperature:	24.1 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Jayden.Zhuo

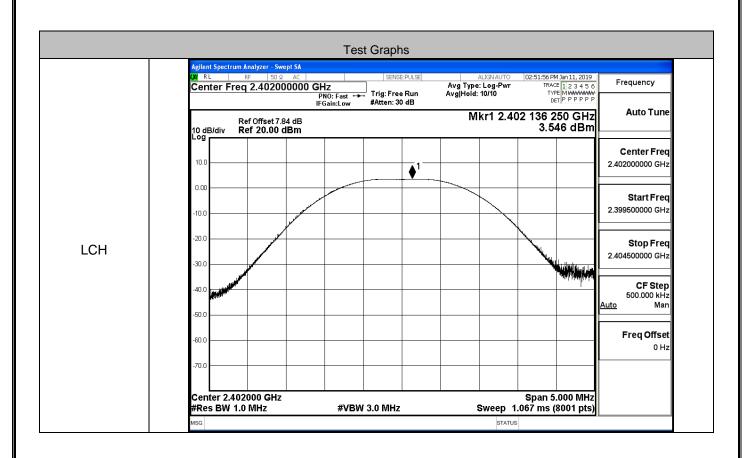
# **B.1 Duty Cycle**

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]	Conduct Average Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.546	2.622	30	PASS
BT LE	MCH	3.133	2.064	30	PASS
BT LE			4.678	30	PASS



**#VBW 3.0 MHz** 

Center 2.480000 GHz

#Res BW 1.0 MHz

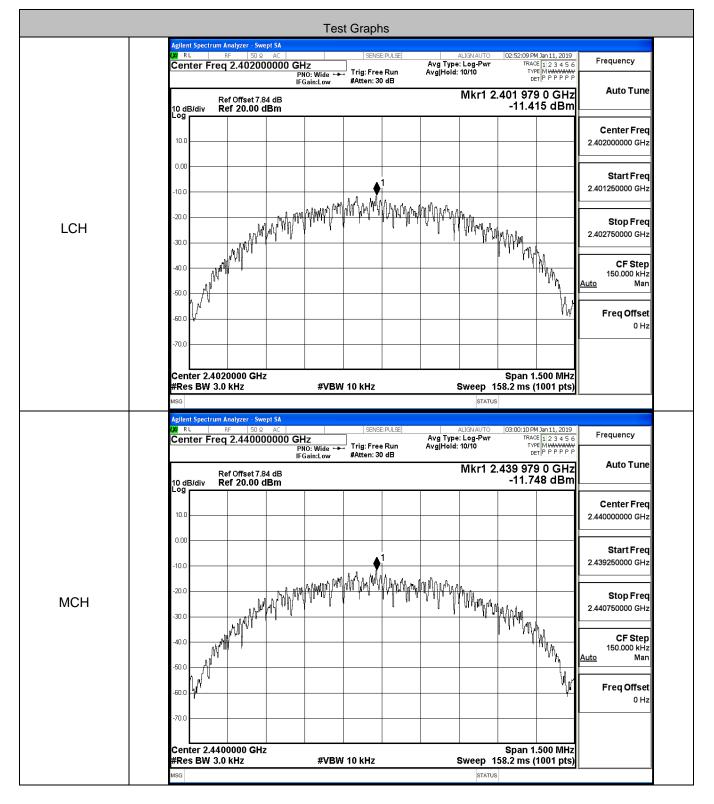
Freq Offset 0 Hz

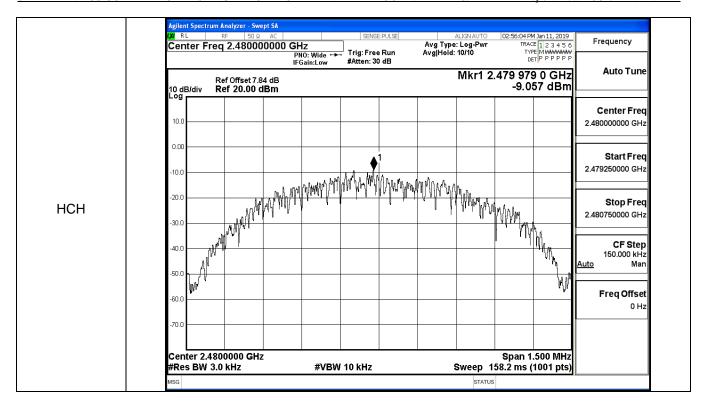
Span 5.000 MHz

Sweep 1.067 ms (8001 pts)

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

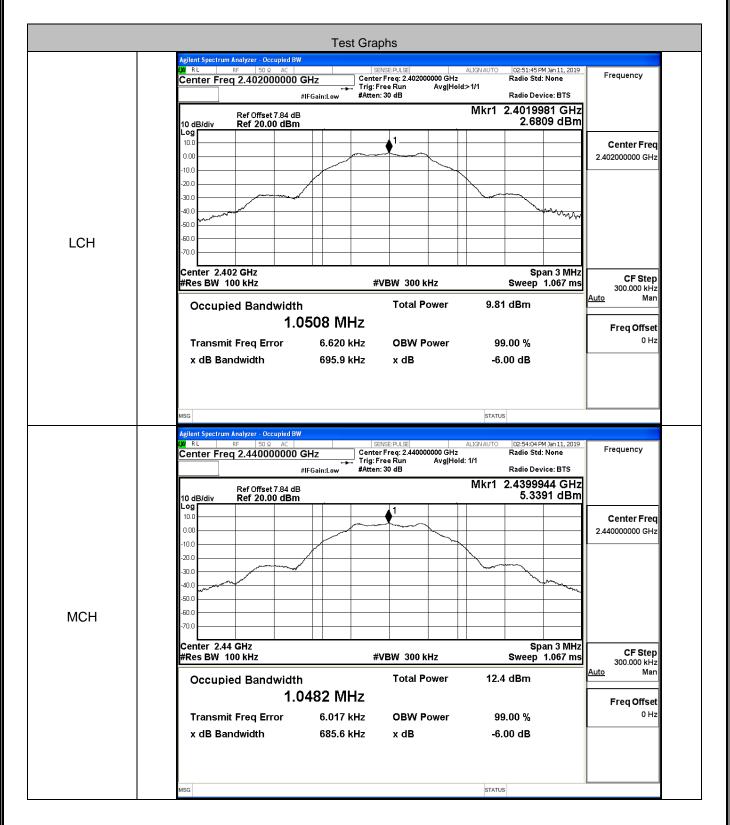
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.415	8	PASS
BT LE	MCH	-11.748	8	PASS
BT LE	НСН	-9.057	8	PASS

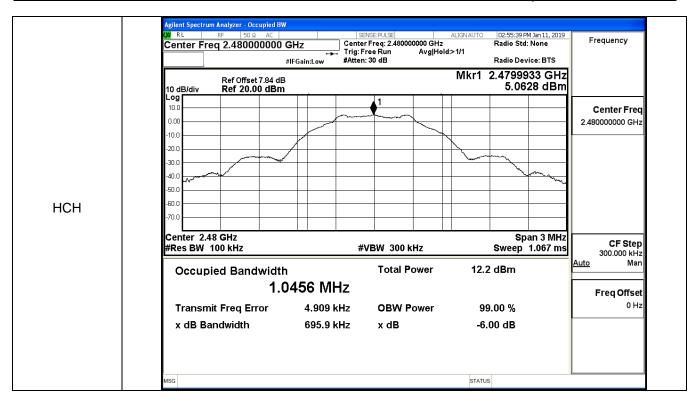




#### **B.4 6dB Bandwidth**

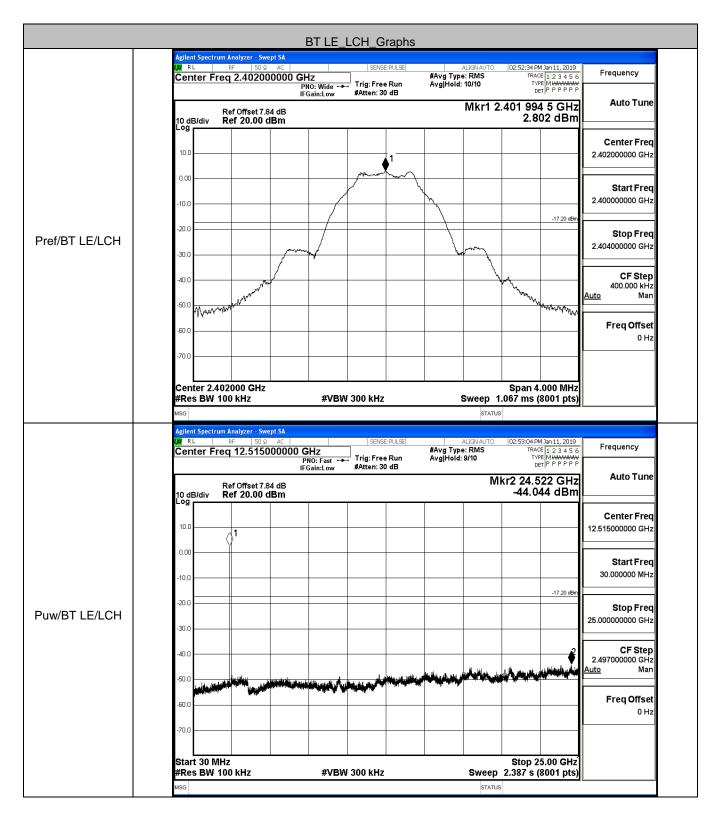
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6959	≥0.5	PASS
BT LE	MCH	0.6856	≥0.5	PASS
BT LE	HCH	0.6959	≥0.5	PASS



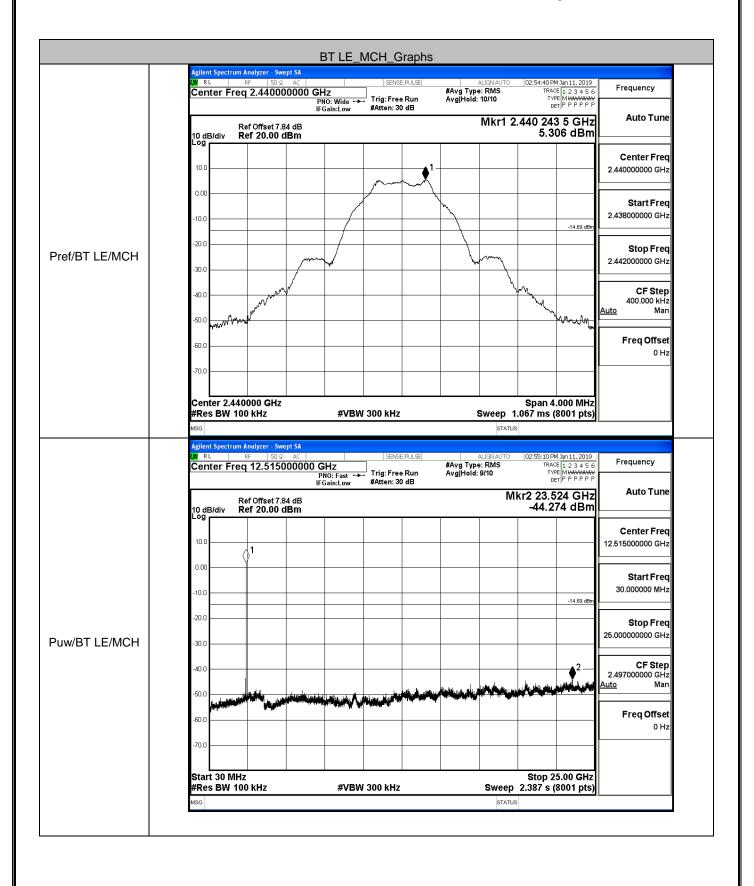


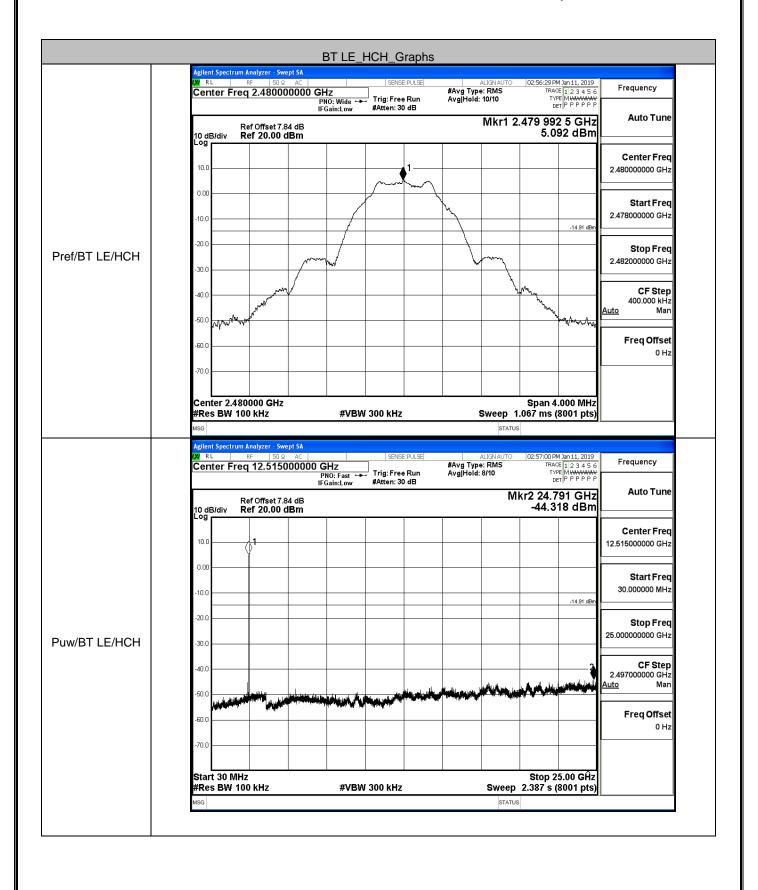
## **B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.802	-44.044	-17.198	PASS
BT LE	MCH	5.306	-44.274	-14.694	PASS
BT LE	HCH	5.092	-44.318	-14.908	PASS



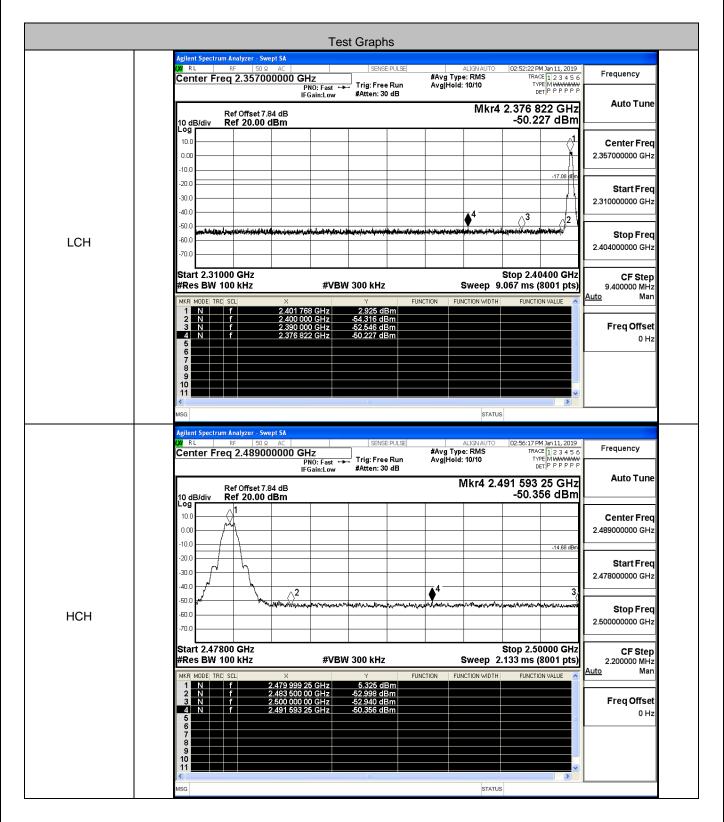
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.	FCC ID: 2ADTE-S90	Report No.: LCS190110023AEB
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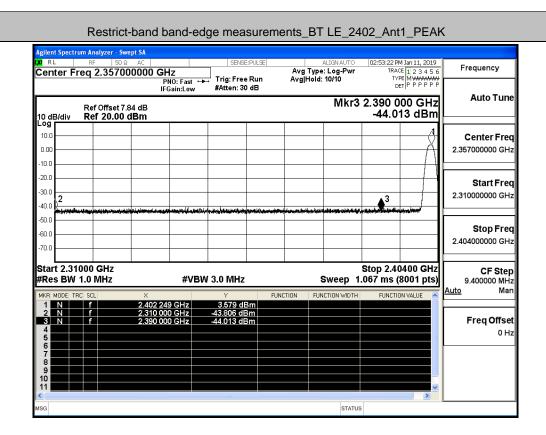
## **B.6 Band-edge for RF Conducted Emissions**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.925	-50.227	-17.08	PASS
BT LE	HCH	5.325	-50.356	-14.68	PASS

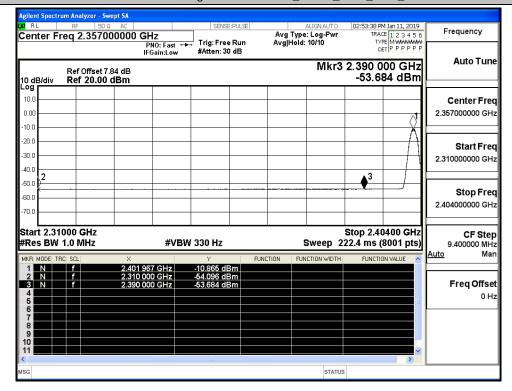


# **B.7 Restrict-band band-edge measurements**

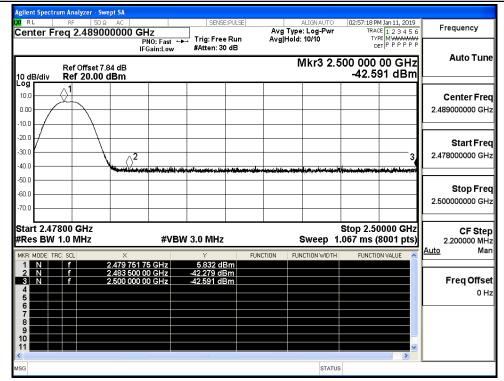
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-43.81	2.0	0	53.45	PEAK	74	PASS
	2402	Ant1	2310.0	-54.10	2.0	0	43.16	AV	54	PASS
		Ant1	2390.0	-44.01	2.0	0	53.24	PEAK	74	PASS
		Ant1	2390.0	-53.68	2.0	0	43.57	AV	54	PASS
BT LE		Ant1	2483.5	-42.28	2.0	0	54.98	PEAK	74	PASS
	2480	Ant1	2483.5	-53.25	2.0	0	44.00	AV	54	PASS
		Ant1	2500.0	-42.59	2.0	0	54.67	PEAK	74	PASS
		Ant1	2500.0	-53.29	2.0	0	43.97	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

