SAR Test Report

Report No.: AGC00594170805EH01

PRODUCT DESIGNATION	:	TD-LTE Digital Mobile Phone
BRAND NAME	:	NOMU
MODEL NAME	:	T18
MANUFACTURER	:	Shenzhen Xin Kingbrand Enterprises Co.,Ltd
DATE OF ISSUE	:	Jan. 12,2018
STANDARD(S)	:	EN 50360:2017; EN62209-1:2016; EN62209-2:2010; EN50566:2017
REPORT VERSION	:	V1.2

***A**ttestation of **G**lobal **C**ompliance(Shenzhen) Co., Ltd.*

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Dec. 21,2017	Invalid	Initial Release
V1.1	1st	Jan. 09,2018	Invalid	Modify the power of 5.2G WIFI
V1.2	2nd	Jan. 12,2018	Valid	Added the equation on page 55.

Test Report Certification

Manufacturer Name	Shenzhen Xin Kingbrand Enterprises Co.,Ltd
Manufacturer Address	KingBrand Industrial Zone, Nanpu Road,Shang Liao Lin Pikeng,Shajing Town,Baoan District,Shenzhen City,Guangdong Province,China
Factory Name	Shenzhen Xin Kingbrand Enterprises Co.,Ltd
Factory Address	KingBrand Industrial Zone, Nanpu Road,Shang Liao Lin Pikeng,Shajing Town,Baoan District,Shenzhen City,Guangdong Province,China
Product Designation	TD-LTE Digital Mobile Phone
Brand Name	NOMU
Model Name	T18
EUT Voltage	DC3.8V by battery
Applicable Standard	EN 50360:2017; EN62209-1:2016; EN62209-2:2010; EN50566:2017
Test Date	Oct. 21,2017 to Nov. 21,2017
Performed Location	Attestation of Global Compliance(Shenzhen) Co., Ltd. 2 F, Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang Street, Bao'an District, Shenzhen, China
Report Template	AGCRT-EC-4G/SAR (2016-01-01)

Note: The results of testing in this report apply to the product/system which was tested only.

Tested By

Eric Zhou(Zhou Yongkang) Nov. 21,2017

Checked By

Angela Li(Li Jiao) Jan. 12,2018

Authorized By

Forrest Lei(Lei Yonggang) Jan. 12,2018
Authorized Officer

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1. SUMMARY OF MAXIMUM SAR VALUE

The maximum results of Specific Absorption Rate (SAR) found during testing for EUT are as follows:

Frequency Band	Highest Reported 10g-SAR(W/Kg)		SAR Test Limit (W/Kg)
	Head	Body-worn (with 5mm separation)	
GSM 900	0.014	0.162	2.0
DCS 1800	0.192	0.555	
WCDMA Band I	0.195	0.405	
WCDMA Band VIII	0.026	0.199	
LTE Band 1	0.350	0.548	
LTE Band 3	0.465	0.918	
LTE Band 7	0.208	0.627	
LTE Band 8	0.042	0.189	
LTE Band 20	0.121	0.329	
LTE Band 38	0.053	0.201	
LTE Band 40	0.086	0.155	
WIFI 2.4G	0.097	0.076	
Simultaneous Reported SAR	0.973		
SAR Test Result	PASS		

This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (2.0W/Kg).

2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	TD-LTE Digital Mobile Phone
Test Model	T18
Hardware Version	T18_MB_V1.0
Software Version	smartphone_V1.0.3_2017.09.05
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GSM and GPRS&EGPRS	
Support Band	☒GSM 900 ☒DCS 1800 (EU Frequency) ☒GSM 850 ☒PCS 1900 (none EU Frequency)
GPRS & EGPRS Type	Class B
GPRS & EGPRS Class	Class 12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)
TX Frequency Range	GSM900:880-915MHz ; DCS1800:1710-1785MHz
RX Frequency Range	GSM900:925-960MHz ; DCS1800:1805-1880MHz
Release Version	R99
Type of modulation	GMSK for GSM/GPRS; GMSK & 8-PSK for EGPRS
Antenna Gain	GSM900:0.32dBi; DCS1800:0.56dBi
Max. Average Power	GSM900:31.62dBm; DCS1800:28.83dBm
Bluetooth	
Bluetooth Version	☐V2.0 ☐V2.1 ☐V2.1+EDR ☒V3.0 ☐V3.0+HS ☒V4.0 ☐V4.1
Operation Frequency	2402~2480MHz
Type of modulation	☒GFSK ☒Π/4-DQPSK ☒8-DPSK
EIRP	0.99dBm
Antenna Gain	1dBi
WIFI	
WIFI Specification	☐802.11a ☒802.11b ☒802.11g ☒802.11n(20) ☒802.11n(40)
Operation Frequency	2412~2472MHz
EIRP	11b:13.15dBm,11g:9.00dBm,11n(20):9.18dBm,11n(40):9.87dBm
Antenna Gain	1dBi
5.2G WIFI	
WIFI Specification	☒802.11a20 ☒802.11n(20) ☒802.11ac20 ☒802.11n(40) ☒802.11ac40
Operation Frequency	5.180 GHz～5.250GHz
EIRP	11a20:9.48dBm,11n(20):9.60dBm,11ac(20):9.70dBm, 11n(40):9.38dBm11ac(40): 9.39dBm