RF Exposure Evaluation Report

Report No.:	2405W56213ED
Applicant:	G-TOUCH LLC.
Address:	1750 NW 107TH Avenue, STE P-411 Miami Florida United States
Product Name:	Mobile feature phone 4G-LTE
Product Model:	Gravity
Multiple Models:	N/A
Trade Mark:	GTOUCH
FCC ID:	2AJDZGL24A
Standards:	47 CFR §1.1310 KDB 447498 D01 General RF Exposure Guidance v06
Test Date:	2024-08-27
Test Result:	Complied
Report Date:	2024-09-05

Reviewed by: Frank Yin

Frank Yin
Project Engineer

Approved by: Jacob Kong

Jacob Kong
Manager

Prepared by:

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

NVLAP TESTING NVLAP LAB CODE 600335-0

ilac-MRA

This report may contain data that are not covered by the NVLAP accreditation and shall be marked with an asterisk "★"

Announcement

1. This test report shall not be reproduced except in full, without the written approval of World Alliance Testing & Certification (Shenzhen) Co., Ltd

2. The results in this report apply only to the sample tested.

3. This sample tested is in compliance with the limits of the above regulation.

4. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

5. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

Revision History

Version No.	Issued Date	Description
00	2024-09-05	*Original*

Contents

1 General Information

1.1 Client Information

Applicant:	G-TOUCH LLC.
Address:	1750 NW 107TH Avenue, STE P-411 Miami Florida United States
Manufacturer:	G-TOUCH DEVICES LIMITED
Address:	Building 40 11C floor Wanghai RD, Rose Garden 2 Shekou Nanshan District Shenzhen City Guangdong China

1.2 Product Description of EUT

The EUT is Mobile feature phone 4G-LTE that contains Classic Bluetooth, GSM/GPRS and LTE radios.

Sample Serial Number	2PCZ-1, 2PCZ-2 (assigned by WATC)
Sample Received Date	2024-08-01
Sample Status	Good Condition
Frequency Range	BT: 2402MHz - 2480MHz GSM850: 824-849MHz(TX), 869-894MHz(RX) GSM1900: 1850-1910MHz(TX), 1930-1990MHz(RX) LTE Band 5: 824-849MHz(TX), 869-894MHz(RX)
Maximum Conducted Output Power	BT: -1.13dBm GSM850: 31.72dBm GSM1900: 24.58dBm LTE Band 5: 20.76dBm
Modulation Technology	GFSK, π/4 DQPSK, 8DPSK, GMSK, QPSK, 16QAM
Antenna Gain#	BT: 0.11dBi GSM 850: 0.21dBi PCS 1900: 0.66dBi LTE Band 5: 0.21dBi
Spatial Streams	SISO (1X, 1X)
Power Supply	DC 3.7V from battery or DC 5.0V from adapter
Adapter Information	Input: AC100-240V, 50/60Hz, 0.15A Output: DC 5.0V/500mA
Modification	Sample No Modification by the test lab

1.3 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

2 RF Exposure Evaluation

2.1 Standard

According to §1.1310, radio frequency devices shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

2.2 Result

Radio	Frequency (MHz)	Maximum Conducted Power including Tune-up Tolerance		Min. test separation distance (mm)	Result (1-g SAR)	Exclusion Limit (1-g SAR)	Verdict
		(dBm)	(mW)				
BT	2402-2480	-1.0	0.79	5	0.2	3.0	Pass
GSM850	824-849	22.9	195.0	5	35.4	3.0	Need SAR test
GSM1900	1850-1910	16.03	40.1	5	10.9	3.0	Need SAR test
LTE B5	824-849	21.0	125.9	5	22.9	3.0	Need SAR test

Note: The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

For GSM850 Band, the worst case is GSM mode(duty cycle 1/8), the maximum time-base-average power 22.9dBm

For GSM1900 Band, the worst case is GPRS 3TX slots(duty cycle 3/8), the maximum time-base-average power 16.03dBm

For BT, it's exempt from standalone SAR test.

For GSM850, GSM1900 and LTE B5, need SAR test, please refer SAR test report: 2403W56213E-20

Result: Complied.

---End of Report---