

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:

Approved by:

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Project Engineer

Jacob Kong

Jacob Gong

Manager

Prepared by:

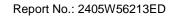
World Alliance Testing & Certification (Shenzhen) Co., Ltd

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Revision History

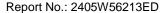
Version No.	Issued Date	Description		
00	2024-09-05	Original		

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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	BT: -1.13dBm
Output Power	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.

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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 \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] ≤ 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 \leq 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	Result (1-g SAR)	Exclusion Limit (1-g SAR)	Verdict
		(dBm)	(mW)	(mm)		(= 8 = : : .,	
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---