

RF Exposure Evaluation Declaration

Product Name : GSM Mobile Phone

Model No. : HUAWEI G6680

FCC ID : QISG6680

Applicant : HUAWEI TECHNOLOGIES CO.,LTD

Address : Administration Building, Huawei Base, Bantian,
Longgang District, Shenzhen 518129

Date of Receipt : Dec. 09, 2010

Issued Date : Jan. 05, 2011

Report No. : 10CS014R-RF-US

Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF, NVLAP, NIST or any agency of the Government.

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Test Report Certification

Issued Date : Jan. 05, 2010

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Product Name : GSM Mobile Phone
 Applicant : HUAWEI TECHNOLOGIES CO., LTD
 Address : Administration Building, Huawei Base, Bantian,
 Longgang District, Shenzhen 518129
 Manufacturer : HUAWEI TECHNOLOGIES CO., LTD
 Address : Administration Building, Huawei Base, Bantian,
 Longgang District, Shenzhen 518129
 Model No. : HUAWEI G6680
 FCC ID : QISG6680
 EUT Voltage : DC: 3.7V
 Trade Name : HUAWEI
 Applicable : FCC OET 65
 Standard :
 Test Result : Complied
 Performed Location : Suzhou EMC Laboratory
 No.99 Hongye Rd., Suzhou Industrial Park Loufeng
 Hi-Tech Development Zone., Suzhou, China
 TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098
 FCC Registration Number: 800392

Documented By : Alice Ni
 (Engineering ADM: Alice Ni)

Reviewed By : Marlinchen
 (Engineering Supervisor: Marlin Chen)

Approved By : Dream Cao
 (Engineering Manager: Dream Cao)

Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted(audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scope:

| | |
|----------------------|-------------------------|
| Taiwan R.O.C. | : BSMI, NCC, TAF |
| Germany | : TUV Rheinland |
| Norway | : Nemko, DNV |
| USA | : FCC, NVLAP |
| Japan | : VCCI |

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://www.quietek.com/tw/ctg/cts/accreditations.htm>
 The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>
 If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

HsinChu Testing Laboratory :

No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.
 TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com



LinKou Testing Laboratory :

No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen, Lin-Kou Shiang, Taipei, Taiwan, R.O.C.
 TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com



Suzhou (China) Testing Laboratory :

No. 99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech Development Zone., Suzhou,China.
 TEL : +86-512-6251-5088 / FAX : +86-512-6251-5098 E-Mail : service@quietek.com



1. RF Exposure Evaluation

1.1. Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Frequency Range (MHz) | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm ²) | Average Time (Minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| (A) Limits for Occupational/ Control Exposures | | | | |
| 300-1500 | -- | -- | F/300 | 6 |
| 1500-100,000 | -- | -- | 5 | 6 |
| (B) Limits for General Population/ Uncontrolled Exposures | | | | |
| 300-1500 | -- | -- | F/1500 | 6 |
| 1500-100,000 | -- | -- | 1 | 30 |

F= Frequency in MHz

Friis Formula

Friis transmission formula: $Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

Pd is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

1.3. Test Result of RF Exposure Evaluation

| | | |
|-----------|---|------------------------------|
| Product | : | GSM Mobile Phone (Bluetooth) |
| Test Item | : | RF Exposure Evaluation |
| Test Site | : | AC-6 |

Antenna Gain:

Antenna Gain: The maximum Gain measured in fully anechoic chamber is -2.0dBi.

Output Power into Antenna & RF Exposure Evaluation Distance:

| Frequency Band (MHz) | Maximum Output Power to Antenna (mW) | Power Density at R = 1.5cm (mW/cm ²) | Power Density Limit (mW/cm ²) |
|----------------------|--------------------------------------|--|---|
| 2402 - 2480 MHz | 6.5917 | 0.147098 | 1 |