

## RF Exposure Report

**Report No.:** SA150224C03-1

**FCC ID:** VQK-F05G

**Test Model:** F-05G

**Received Date:** Feb. 26, 2015

**Test Date:** Mar. 25 ~ Mar. 28, 2015

**Issued Date:** Mar. 31, 2015

**Applicant:** FUJITSU LIMITED

**Address:** 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki 211-8588, Japan

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.

**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan, R.O.C.



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### Release Control Record

| Issue No.     | Description      | Date Issued   |
|---------------|------------------|---------------|
| SA150224C03-1 | Original release | Mar. 31, 2015 |

## 1 Certificate of Conformity

**Product:** Mobile Phone

**Brand:** Fujitsu

**Test Model:** F-05G

**Sample Status:** Engineering sample

**Applicant:** FUJITSU LIMITED

**Test Date:** Mar. 25 ~ Mar. 28, 2015

**Standards:** FCC Part 2 (Section 2.1093)

KDB 447498 D03

IEEE C95.1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :** Celine Chou , **Date:** Mar. 31, 2015  
Celine Chou / Specialist

**Approved by :** Ken Liu , **Date:** Mar. 31, 2015  
Ken Liu / Senior Manager

## 2 Evaluation Result

Following FCC KDB 447498 D01 "General SAR test exclusion guidance"

The corresponding SAR Exclusion Threshold condition, listed below:

- 1) 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:
 
$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$$

$$\leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
  - $f(\text{GHz})$  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. 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 is applied to determine SAR test exclusion.
- 2) At 100 MHz to 6 GHz and for test separation distances  $> 50$  mm, the SAR test exclusion threshold is determined according to the following:
  - a) [Threshold at 50 mm in step 1) + (test separation distance - 50mm) · (f(MHz)/150)] mW, at 100MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at  $> 1500$  MHz and  $\leq 6$  GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
  - a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$  for test separation distances  $> 50$  mm and  $< 200$  mm.
  - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$  for test separation distances  $\leq 50$  mm.
  - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

### 3 SAR Test Exclusion Thresholds

Maximum measured transmitter power:

| Mode   | Max. Power (mW) | Min. test separation distance (mm) | SAR test exclusion calculation value <sup>(NOTE 2)</sup> | 1-g baby SAR test exclusion thresholds | Result |
|--------|-----------------|------------------------------------|--|--|--------|
| BT LE  | 1.303           | 5                                  | 0.404  | 3                                      | Pass   |
| BT EDR | 3.428           | 5                                  | 1.062  | 3                                      | Pass   |

**NOTE:** 1. The antenna type is  $\lambda/4$  Monopole antenna with -1dBi gain.  
2. Calculate SAR test exclusion thresholds from condition "1" formulas.

### 4 Conclusion

Since Source-base time average power is below SAR test exclusion power thresholds, the SAR evaluation is not required.

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