

## RF Exposure Report

**Report No.:** SA150409D02

**FCC ID:** K7SF5L175

**Test Model:** F5L175

**Received Date:** Apr. 9, 2015

**Test Date:** Apr. 28, 2015

**Issued Date:** May 5, 2015

**Applicant:** Belkin International, Inc.

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**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.)



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### Release Control Record

| Issue No.   | Description       | Date Issued |
|-------------|-------------------|-------------|
| SA150409D02 | Original release. | May 5, 2015 |

## 1 Certificate of Conformity

**Product:** Mobile Wireless Keyboard

**Brand:** Belkin

**Test Model:** F5L175

**Sample Status:** Engineering sample

**Applicant:** Belkin International, Inc.

**Test Date:** Apr. 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 :**



**, Date:**

May 5, 2015

Annie Chang / Supervisor

**Approved by :**



**, Date:**

May 5, 2015

Rex Lai / Assistant Manage

## 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) · ( $f(\text{MHz})/150$ )] 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:

| Frequency<br>(GHz) | Max. Power<br>(mW) | Min. test<br>separation<br>distance<br>(mm) | SAR test<br>exclusion<br>calculation<br>value <sup>(NOTE 2)</sup> | 1-g SAR test<br>exclusion<br>thresholds | Result |
|--------------------|--------------------|---------------------------------------------|-------------------------------------------------------------------|-----------------------------------------|--------|
| 2.402 ~ 2.480      | 1.560              | 5                                           | 0.483                                                             | 3                                       | Pass   |

**NOTE:** 1. The antenna type is Printed antenna with -2.87dBi gain.  
2. Calculate SAR test exclusion thresholds from condition "1" formulas.  
3. Driver Version: 5D27

### 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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