

# RF EXPOSURE REPORT

**REPORT NO.:** SA141008E01

**MODEL NO.:** F7C038

**FCC ID:** K7SF7C038

**RECEIVED:** Oct. 08, 2014

**TESTED:** Nov. 03, 2014

**ISSUED:** Dec. 03, 2014

**APPLICANT:** Belkin, International Inc.,

**ADDRESS:** 12045 East Waterfront Drive Playa Vista,  
California 90094 United States

**ISSUED BY:** Bureau Veritas Consumer Products Services  
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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA141008E01	Original release	Dec. 03, 2014



A D T

## 1. CERTIFICATION

**PRODUCT:** WeMo Door & Window Sensor  
**BRAND NAME:** Belkin  
**MODEL NO.:** F7C038  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**APPLICANT:** Belkin, International Inc.,  
**TESTED:** Nov. 03, 2014  
**STANDARDS:** FCC Part 2 (Section 2.1091)  
KDB 447498 D03  
IEEE C95.1

The above equipment (Model: F7C038) 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 :** Phoenix Huang , **Date:** Dec. 03, 2014  
( Phoenix Huang, Specialist )

**Approved By :** May Chen , **Date:** Dec. 03, 2014  
( May Chen, Manager )

## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 3. MPE CALCULATION FORMULA

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

### 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

### 5. ANTENNA GAIN

The antenna provided to the EUT, please refer to the following table:

Brand	Antenna Type	Antenna Connector	Gain(dBi)	Frequency range (GHz)
NA	PIFA	NA	2.22	2.4~2.4835

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2405 - 2475	6.095	2.22	20	0.00202	1.00

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