



# RF EXPOSURE REPORT

**REPORT NO.:** SA111021C19

**MODEL NO.:** F7C027

**FCC ID:** K7SF7C027

**RECEIVED:** Oct. 21, 2011

**TESTED:** Nov. 08 ~ Dec. 20, 2011

**ISSUED:** Dec. 23, 2011

**APPLICANT:** Belkin International, Inc.

**ADDRESS:** 12045 East Waterfront Drive, Playa Vista,  
CA 90094 USA

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

**LAB ADDRESS:** No. 47, 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 Tsuen, Kwei  
Shan Hsiang, Taoyuan Hsien 333, Taiwan,  
R.O.C.

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	NA	Dec. 23, 2011

## 1. CERTIFICATION

**PRODUCT:** WeMo Smart Switch

**MODEL:** F7C027

**BRAND:** Belkin

**APPLICANT:** Belkin International, Inc.

**TEST SAMPLE:** ENGINEERING SAMPLE

**TESTED:** Nov. 08 ~ Dec. 20, 2011

**STANDARDS: FCC Part 2 (Section 2.1091)**

**FCC OET Bulletin 65, Supplement C (01-01)**

**IEEE C95.1**

The above equipment (Model: F7C027) 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 : Dec. 23, 2011  
Pettie Chen / Specialist

APPROVED BY :  , DATE : Dec. 23, 2011  
Gary Chang / Technical Manager

## 2. RF EXPOSURE

### 2.1 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE CALCULATION FORMULA

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

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

### 2.3 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**.

### 2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2412-2462	25.3	3.71	20	0.158	1.00