

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AC80COUNTER**

**Project No.** : 1702C035  
**Equipment** : Smiirl counter  
**Model** : SMIIRL COUNTER FACEBOOK 7D  
              SMIIRL COUNTER FACEBOOK 5D  
              SMIIRL COUNTER INSTAGRAM 7D  
              SMIIRL COUNTER INSTAGRAM 5D  
              SMIIRL COUNTER CUSTOM 7D  
              SMIIRL COUNTER CUSTOM 5D  
**Applicant** : Smiirl  
**Address** : 10 rue de Penthievre Paris France 75008  
  
**According:** : FCC Guidelines for Human Exposure IEEE  
                  C95.1 & FCC Part 2.1091

**B T L I N C .**

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.  
TEL: +86-769-8318-3000    FAX: +86-769-8319-6000

## MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain(dBi) |
|------|-------|------------|--------------|-----------|-----------|
| 1    | N/A   | N/A        | Chip Antenna | N/A       | 2         |
| 2    | N/A   | N/A        | Chip Antenna | N/A       | 2         |

## TEST RESULTS

|                |                |                    |                               |
|----------------|----------------|--------------------|-------------------------------|
| EUT :          | Smiirl counter | Model Name :       | SMIIRL COUNTER<br>FACEBOOK 7D |
| Temperature :  | 25 °C          | Relative Humidity: | 55 %                          |
| Test Voltage : | AC 120V/60Hz   |                    |                               |

### 2.4G WIFI

| Antenna Gain (dBi) | Antenna Gain (numeric) | Peak Output Power (dBm) | Peak Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 2                  | 1.5849                 | 24.64                   | 291.0717               | 0.09182                                 | 1                                                | Complies    |

Note: the calculated distance is 20 cm.