# FCC RF EXPOSURE REPORT

## FCC ID: V7TSP6V1

**This report concerns: Original Grant**

| | | |
|---|---|---|
| **Project No.** | : | 1906C015B |
| **Equipment** | : | Smart Wi-Fi Plug Mini |
| **Brand Name** | : | Tenda |
| **Test Model** | : | SP6 |
| **Series Model** | : | N/A |
| **Applicant** | : | SHENZHEN TENDA TECHNOLOGY CO.,LTD |
| **Address** | : | 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052 |
| **Manufacturer** | : | SHENZHEN TENDA TECHNOLOGY CO.,LTD |
| **Address** | : | 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052 |
| **Date of Receipt** | : | Nov. 11, 2019 |
| **Date of Test** | : | Nov. 11, 2019 ~ Nov. 17, 2019 |
| **Issued Date** | : | Nov. 27, 2019 |
| **Report Version** | : | R00 |
| **Test Sample** | : | Engineering Sample No.: DG20191111129. |
| **Standard(s)** | : | FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091 |

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Nick Chen

**Prepared by :** Nick Chen

Ethan Ma

**Approved by :** Ethan Ma

Certificate #5123.02

Add: No.3, Jinshagang 1st Road, Shixia, Dalang Town,Dongguan, Guangdong, China.

Tel: +86-769-8318-3000

Web: www.newbtl.com

## REPORT ISSUED HISTORY

| Report Version | Description | Issued Date |
|---|---|---|
| R00 | Original Issue. | Nov. 27, 2019 |

## 1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

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

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 | Internal | N/A | 1 |

## 2. TEST RESULTS

| Tune up tolerance(dBm) |
|---|
| 2.4GHz |
| 1.5 |

| Antenna Gain (dBi) | Antenna Gain (numeric) | Max. Peak Output Power (dBm) | Max. Peak Output Power (mW) | Power Density (S) ($mW/cm^2$) | Limit of Power Density (S) ($mW/cm^2$) | Test Result |
|---|---|---|---|---|---|---|
| 1 | 1.2589 | 29.54 | 899.4976 | 0.22539 | 1 | Complies |

Note:
1. The calculated distance is 20 cm.
2. Output power including tune up tolerance(tune up tolerance: ±1.5 dBm)

**End of Test Report**