

# **FCC RF EXPOSURE REPORT**

**FCC ID: V7TA301V2**

**Project No. : 1801C253**  
**Equipment : N300 Mini WiFi Repeater**  
**Model : A301**  
**Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD**  
**Address : 6-8 Floor,Tower E3, No. 1001, Zhongshanyuan  
Road, Nanshan District, Shenzhen, China.  
518052**

**According: : FCC Guidelines for Human Exposure IEEE  
C95.1 & FCC Part 2.1091**

**B T L I N C .**

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## 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) | Note |
|------|-------|------------|----------------|-----------|-----------|------|
| 1    | Tenda | N/A        | Dipole Antenna | N/A       | 3.5       | N/A  |
| 2    | Tenda | N/A        | Dipole Antenna | N/A       | 3.5       | N/A  |

## TEST RESULTS

|                |                         |                    |      |
|----------------|-------------------------|--------------------|------|
| EUT :          | N300 Mini WiFi Repeater | Model Name :       | A301 |
| 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 |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 3.5                | 2.2387                 | 29.31                   | 853.1001               | 0.38015                                 | 1                                                | Complies    |

Note: the calculated distance is 20 cm.