

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 .

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)	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 ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.5	2.2387	29.31	853.1001	0.38015	1	Complies

Note: the calculated distance is 20 cm.