

FCC RF EXPOSURE REPORT

FCC ID:V7TI9

Project No. : 1709C144
Equipment : Wireless Access Point
Model : i9
Applicant : SHENZHEN TENDA TECHNOLOGY CO., LTD.
Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China

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)
1	N/A	N/A	Internal Antenna	N/A	4.5
2	N/A	N/A	Internal Antenna	N/A	4.5

TEST RESULTS

EUT :	Wireless Access Point	Model Name :	i9
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
4.5	2.8184	29.71	935.4057	0.52475	1	Complies

Note: the calculated distance is 20 cm.