

FCC RF EXPOSURE REPORT

FCC ID: PJZ2426Y1

Project No. : 1612C280
Equipment : (1) GPON 4 Port WiFi Gateway
(2) GE 4 Port WiFi Gateway
Model : (1) ZNID-GPON-2426A1, ZNID-GPON-2426A1-XX,
ZNID-GPON-2426A1-NYY, ZNID-GPON-242461-XX-NYY
(2) ZNID-GE-2426A1, ZNID-GE-2426A1-XX,
ZNID-GE-2426A1-NYY, ZNID-GE-242461-XX-NYY
Applicant : DASAN Zhone Solutions, Inc.
Address : 7195 Oakport Street Oakland,CA 94621 USA
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:

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

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	PCB	IPEX	3
2	N/A	N/A	PCB	IPEX	3

TEST RESULTS

EUT :	(1) GPON 4 Port WiFi Gateway (2) GE 4 Port WiFi Gateway	Model Name :	ZNID-GPON-2426 A1
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	1.9953	28.93	781.6278	0.31042	1	Complies

Note: the calculated distance is 20 cm.