

# RF EXPOSURE REPORT

FCC ID: 2A4G9-005

Report Reference No. .... : 22EFFS06096

Date of issue ..... : 2022-08-05

Applicant's name ..... : ZHENGZHOU DI YUN WANG LUO KE JI YOU XIAN GONG  
SI

Address ..... : No.2602, 26th Floor, Block B, Dongfang Building No. 198-19  
Songshan South Road, Erqi District,Zhengzhou, Henan,  
China

Manufacturer ..... : TDC Power Products Co., Ltd.

Equipment ..... : Wi-Fi Low Voltage Landscape Transformer

Trade Mark ..... : 1)  ; 2) 

Model ..... : TLA-120-12W-1 WiFi 2Gen; TLA-200-12W-1 WiFi 2Gen;  
TLA-300-12WA2-1 WiFi 2Gen.

Ratings ..... : Input: 120V~60Hz 1.2A For TLA-120-12W-1 WiFi 2Gen;  
120V~60Hz 2A For TLA-200-12W-1 WiFi 2Gen;  
120V~60Hz 3A For TLA-300-12WA2-1 WiFi 2Gen.  
Output: 12V~ 120W max For TLA-120-12W-1 WiFi 2Gen;  
12V~ 200W max For TLA-200-12W-1 WiFi 2Gen;  
12V~ or 14V~ 300W max For TLA-300-12WA2-1 WiFi

Testing Laboratory..... : DongGuan ShuoXin Electronic Technology Co., Ltd.

Address ..... : Zone A, 1F, No. 6, XinGang Road YuanGang Street,  
XinAn District, ChangAn Town, DongGuan City,  
GuangDong, China

According ..... : KDB 447498 D01 General RF Exposure Guidance v06

Test Engineer:



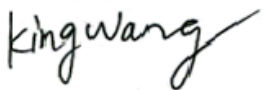
Blue Qiu

Responsible Engineer :



Smile Wang

Authorized Signatory:



King Wang

## 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    | GDT   | JHT-2.4G/1158 | Dipole       | SMA(J)    | 1.5       |      |

## TEST RESULTS

|                |                                         |                    |                                                                                    |
|----------------|-----------------------------------------|--------------------|------------------------------------------------------------------------------------|
| EUT :          | Wi-Fi Low Voltage Landscape Transformer | Model Name :       | TLA-120-12W-1 WiFi 2Gen;<br>TLA-200-12W-1 WiFi 2Gen;<br>TLA-300-12WA2-1 WiFi 2Gen. |
| Temperature :  | 24.1°C                                  | Relative Humidity: | 54 %                                                                               |
| Test Voltage : | AC 120V 60Hz                            |                    |                                                                                    |

worse case :

| 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 |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 1.5                | 1.4125                 | 18.91                   | 77.8037                | 0.02188                                 | 1                                                | Complies    |

Note: the calculated distance is 20 cm.