

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:



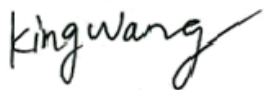
Blue Qiu

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; TLA-200-12W-1 WiFi 2Gen; 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 ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.5	1.4125	18.91	77.8037	0.02188	1	Complies

Note: the calculated distance is 20 cm.