

FCC RF EXPOSURE REPORT

FCC ID: 2BCGWD210

Report No. : eLab-FCCP-2-2402G031
Equipment : Tapo Video Doorbell Camera
Brand Name : tp-link, Tapo
Test Model : Tapo D210
Series Model : TD21
Applicant : TP-LINK CORPORATION PTE. LTD.
Address : 7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987

Radio Function : WLAN 2.4 GHz

FCC Rule Part(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

Date of Receipt : 2024/4/17
Date of Test : 2024/4/19 ~ 2024/4/30
Issued Date : 2024/5/23

The above equipment has been tested and found in compliance with the requirement of the above standards by eLab Inc.

Prepared by : Poken Huang
Poken Huang
Approved by : Sam Chuang
Sam Chuang

eLab Inc.

10F., No. 167, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
Tel: +886-2-8692-6160 Fax: +886-2-8692-6170

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
eLab-FCCP-2-2402G031	R00	Original Report.	2024/5/23	Valid

1. 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

2. ANTENNA SPECIFICATION

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	BIG FIELD GLOBAL PTE. LTD	2051501458	Loop	N/A	0.0
2	BIG FIELD GLOBAL PTE. LTD	6035500221	PIFA	N/A	0.0

Note:

- 1) Ant.1 refers to Main Antenna, Ant.2 refers to Aux Antenna. Both Main and Aux Antenna were evaluated for test power, and it was found that the outp power of Aux Antenna was less than that of Main Antenna, so only test Main Antenna was evaluated and recorded in the report.
- 2) The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

Tune up tolerance(dBm)
2.4GHz
0.5

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
0.0	1.0000	22.45	175.7924	0.03499	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance(tune up tolerance: 0.5 dB).

End of Test Report