

FCC RF EXPOSURE REPORT

FCC ID: 2BCGWD235

Report No. : eLab-FCCP-2-2401G101
Equipment : Tapo Video Doorbell Camera
Brand Name : tp-link
Test Model : Tapo D235
Series Model : TD25, Tapo D225
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 : 2024/2/5
Date of Test : 2024/2/6 ~ 2024/4/17
Issued Date : 2024/4/30

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

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
eLab-FCCP-2-2401G101	R00	Original Report.	2024/4/30	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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	BIG FIELD GLOBAL PTE. LTD.	N/A	Dipole	IPEX	-0.11
2	BIG FIELD GLOBAL PTE. LTD.	N/A	Dipole	IPEX	-0.14

Note:

- 1) Smart antenna system with two transmit/receive chains, but operating in a mode where only one transmit/receive chain is used. Ant.1 refers to Main Antenna, Ant.2 refers to Aux Antenna.
- 2) Two antennas are tested, the worst case is Ant. 1 and recorded.

3. CALCULATED RESULT

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
-0.11	0.9750	21.13	129.7179	0.02517	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report