

# FCC RF EXPOSURE REPORT

## FCC ID: 2BCGWD235

**Project No.** : 2603C036  
**Equipment** : Tapo Video Doorbell Camera  
**Brand Name** : Tapo, tp-link  
**Test Model** : Tapo D225  
**Model Name** : Tapo D225  
**Hardware Version** : 1.6  
**Software Version** : 1.X  
**Applicant** : TP-LINK CORPORATION PTE. LTD.  
**Address** : 7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987  
**Manufacturer** : TP-LINK CORPORATION PTE. LTD.  
**Address** : 7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987  
**Date of Evaluation** : Mar. 04, 2026  
**Issued Date** : Apr. 08, 2026  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091  
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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**BTL's** laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

### REVISION HISTORY

| Report No.          | Version | Description      | Issued Date   | Note  |
|---------------------|---------|------------------|---------------|-------|
| BTL-FCCP-2-2603C036 | R00     | Original Report. | Apr. 08, 2026 | Valid |

## 1. 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

## 2. ANTENNA SPECIFICATION

| Ant. | Manufacturer               | 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. The antenna gain is provided by the manufacturer.
2. 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.
3. Two antennas are tested, the worst case is Ant. 1 and recorded.

### 3. CALCULATED RESULT

For 2.4GHz:

| Antenna Gain (dBi) | Antenna Gain (numeric) | Max. Output Power (dBm) | Max. Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| -0.11              | 0.9750                 | 21.13                   | 129.7197               | 0.02517                                 | 1                                                | Complies    |

Note:

- (1) The calculated distance is 20 cm.
- (2) The Max. Output Power is provided by the manufacturer.

**End of Test Report**