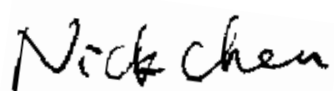


# FCC RF EXPOSURE REPORT

## FCC ID: 2BH7FC660

**Project No.** : 2412G046A  
**Equipment** : Battery-Powered Pan/Tilt Security Camera  
**Brand Name** : tapo  
**Test Model** : Tapo C660  
**Series Model** : TC92  
**Applicant** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618  
**Manufacturer** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618  
**Date of Receipt** : Apr. 16, 2025  
**Date of Test** : May 19, 2025 ~ Jun. 11, 2025  
**Issued Date** : Jun. 30, 2025  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG20250416147  
**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)

**Prepared by** :   
Nick Chen

**Approved by** :   
Chay Cai

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China  
Tel: +86-769-8318-3000    Web: [www.newbtl.com](http://www.newbtl.com)    Service mail: [btl\\_qa@newbtl.com](mailto:btl_qa@newbtl.com)

**REPORT ISSUED HISTORY**

| Report No.           | Version | Description      | Issued Date   | Note  |
|----------------------|---------|------------------|---------------|-------|
| BTL-FCCP-5-2412G046A | R00     | Original Report. | Jun. 30, 2025 | 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

For BT LE:

| Ant. | Brand                | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|----------------------|------------|--------------|-----------|------------|
| 1    | TP-Link Systems Inc. | 3101507248 | Dipole       | N/A       | 0.00       |

Note:

- 1) Smart antenna system with two transmit/receive chains. The links are the same, only the directions are different, but operating in a mode where only one transmit/receive chain is used.
- 2) The antenna gain is provided by the manufacturer.

For 2.4GHz & 5GHz:

| Ant. | Brand                | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|----------------------|------------|--------------|-----------|------------|
| 1    | TP-Link Systems Inc. | 3101507248 | Dipole       | N/A       | 0.00       |
| 2    | TP-Link Systems Inc. | 3101507249 | Dipole       | N/A       | 0.00       |

Note:

- 1) Smart antenna system with two transmit/receive chains. The links are the same, only the directions are different, but operating in a mode where only one transmit/receive chain is used.
- 2) The antenna gain is provided by the manufacturer.

### 3. CALCULATED RESULT

For LE:

| Antenna Gain (dBi) | Antenna Gain (numeric) | Max. Peak Output Power (dBm) | Max. Peak Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|------------------------------|-----------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 0.00               | 1.0000                 | 6.95                         | 4.9545                      | 0.00099                                 | 1                                                | Complies    |

For 2.4GHz:

| Antenna Gain (dBi) | Antenna Gain (numeric) | Max. Peak Power (dBm) | Max. Peak Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|-----------------------|-----------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 0.00               | 1.0000                 | 27.08                 | 510.5050                    | 0.10161                                 | 1                                                | Complies    |

For 5GHz:

| Antenna Gain (dBi) | Antenna Gain (numeric) | Max. AVG Output Power (dBm) | Max. AVG Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|-----------------------------|----------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 0.00               | 1.0000                 | 23.69                       | 233.8837                   | 0.04655                                 | 1                                                | Complies    |

**For the max simultaneous transmission MPE:**

| Ratio   |         |         | Total   | Limit of Ratio | Test Result |
|---------|---------|---------|---------|----------------|-------------|
| LE      | 2.4GHz  | 5GHz    |         |                |             |
| 0.00099 | 0.10161 | 0.04655 | 0.14915 | 1              | Complies    |

Note:

- (1) The calculated distance is 20 cm.
- (2) Output power including tune up tolerance.
- (3) Ratio=Power Density (S) (mW/cm<sup>2</sup>)/Limit of Power Density (S) (mW/cm<sup>2</sup>)

**End of Test Report**