

# FCC RF EXPOSURE REPORT

## FCC ID: 2BH7FC230

**Report No.** : BTL-FCCP-2-2409G011  
**Equipment** : Pan/Tilt AI Home Security Wi-Fi Camera  
**Model Name** : Tapo C230  
**Brand Name** : tp-link, tapo  
**Applicant** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618  
**Manufacturer** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618

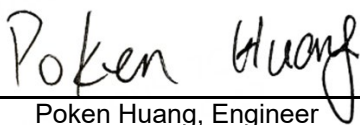
**Radio Function** : WLAN 2.4 GHz

**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** : 2024/8/7  
**Date of Test** : 2024/8/7 ~ 2024/9/10  
**Issued Date** : 2024/11/18

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

**Prepared by** :

  
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**BTL Inc.**

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### REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2409G011	R00	Original Report.	2024/11/18	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

Antenna	Manufacture	Model Name	Type	Connector	Gain (dBi)
1	TP-LINK CORPORATION PTE. LTD.	TapoC222-ANT1	IFA	N/A	2.00

Note: The antenna gain is provided by the manufacturer.

## 3. CALCULATED RESULT

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
2	1.5849	24.57	286.4178	0.09035	1	Complies

Note:

(1) The calculated distance is 20 cm.

(2) Ratio=Power Density (S) (mW/cm<sup>2</sup>)/Limit of Power Density (S) (mW/cm<sup>2</sup>)

**End of Test Report**