

# FCC RF EXPOSURE REPORT

## FCC ID: 2BH7FC250

**Report No.** : BTL-FCCP-2-2507C135  
**Equipment** : Pan/Tilt AI Home Security Wi-Fi Camera  
**Model Name** : Tapo C250  
**Brand Name** : Tapo  
**Test Model** : Tapo C250  
**Software Version** : V1  
**Hardware Version** : V1  
**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 2.4GHz  
  
**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** : 2025/8/22  
**Date of Test** : 2025/8/22 ~ 2025/8/25  
**Issued Date** : 2025/9/12

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

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**BTL Inc.**

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**REVISION HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2507C135	R00	Original Report.	2025/9/12	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 Name	P/N	Type	Connector	Gain (dBi)
1	tp-link	Tapo C250+ANT	IFA	N/A	2.13

The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

### 3. CALCULATED RESULT

#### For WLAN 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
2.13	1.6331	19.42	87.4984	0.02844	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**