

# FCC RF EXPOSURE REPORT

## FCC ID: 2BH7FC103V1

**Project No.** : 2502G018  
**Equipment** : Indoor/Outdoor Home Security Wi-Fi Camera  
**Brand Name** : tp-link  
**Test Model** : Tapo C103  
**Series Model** : Tapo C113, TCW61, Tapo C104, Tapo C114  
**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** : Feb. 13, 2025  
**Date of Test** : Feb. 17, 2025 ~ Mar. 10, 2025  
**Issued Date** : Mar. 24, 2025  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: DG2025021317  
**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.

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**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2502G018	R00	Original Report.	Mar. 20, 2025	Invalid
BTL-FCCP-2-2502G018	R01	Correct the comments.	Mar. 24, 2025	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	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	Tapo C103_Ant1	IFA	N/A	1

Note: The antenna gain is provided by the manufacturer.

## 3. CALCULATED RESULT

Tune up tolerance(dBm)
0.5

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
1	1.2589	19.72	93.7562	0.02349	1	Complies

Note:

(1) The calculated distance is 20 cm.

(2) Output power including tune up tolerance (tune up tolerance: 0.5dB).

**End of Test Report**