

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 ²)	Limit of Power Density (S) (mW/cm ²)	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