

FCC RF Exposure Report


FCC ID: 2BH7FC400V2

Report No. : BTL-FCCP-3-2503G008
Equipment : Battery-Powered Outdoor Security Camera
Model Name : Tapo C400, Tapo C401
Brand Name : tp-link
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618

Standard(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 : 2025/6/2
Date of Test : 2025/6/3 ~ 2025/6/10
Issued Date : 2025/6/20

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

Prepared by : 
Poken Huang, Engineer

Approved by : 
Peter Chen, Manager

BTL Inc.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com Service mail: btl_qa@newbtl.com

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2503G008	R00	Original Report.	2025/6/20	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 BLE & 2.4GHz:

Ant.	Manufacturer	P/N	Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	6035500079	PIFA	N/A	0

Note:

(1) The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For LE:

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
0	1.0000	4.56	2.8576	0.00057	1	Complies

For 2.4GHz:

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
0	1.0000	22.93	196.3360	0.03908	1	Complies

For the max simultaneous transmission MPE:

Ratio		Total	Limit of Ratio	Test Result
LE	2.4GHz			
0.00057	0.03908	0.03965	1	Complies

Note:

- (1) The calculated distance is 20 cm.
- (2) Output power including tune up tolerance.

End of Test Report