

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 :


Poken Huang, Engineer

Approved by :


Peter Chen, Supervisor



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-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 ²)	Limit of Power Density (S) (mW/cm ²)	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/cm²)/Limit of Power Density (S) (mW/cm²)

End of Test Report