

FCC RF EXPOSURE REPORT

FCC ID: 2BH7FC610

Project No. : 2508C292A
Equipment : Battery-Powered Pan/Tilt Security Camera
Brand Name : tp-link
Test Model : Tapo C610
Model Name : Tapo C610, TC90, TCW90
Hardware Version : 1.X
Software Version : 1.0
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 : Aug. 07, 2025
Date of Test : Aug. 08, 2025 ~ Sep. 28, 2025
Issued Date : Dec. 18, 2025
Test Sample : Engineering Sample No.: DG920250807129
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. (Dongguan)

Prepared by :

Terry Deng
Terry Deng

Approved by :

Chay . Cai
Chay Cai

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

Tel: +86-769-8318-3000 Web: www.newbtl.com Service mail: btl_qa@newbtl.com

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2508C292A	R00	Original Report.	Dec. 18, 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	Model Name	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	Tapo C610 KIT_Ant1	Monopole	N/A	0
2	TP-Link Systems Inc.	Tapo C610 KIT_Ant2	Monopole	N/A	0

Note:

- (1) Smart antenna systems with two antennas, but operating in a (legacy) mode where only one antenna is used.
- (2) Ant.1 is the worst case and recorded.
- (3) The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Tune-up (dB)	Max. Tune-up Power (dBm)	Max. Tune-up Power (mW)	Power Density (mW/cm²)	Power Density Limit (mW/cm²)
0.00	1.0000	4.58	0.50	5.08	3.2211	0.0006	1.0000

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Tune-up (dB)	Max. Tune-up Power (dBm)	Max. Tune-up Power (mW)	Power Density (mW/cm²)	Power Density Limit (mW/cm²)
0.00	1.0000	23.17	0.50	23.67	232.8091	0.0463	1.0000

Note:

- (1) The calculated distance is 20 cm.

End of Test Report