

FCC RF EXPOSURE REPORT

FCC ID: 2BH7FC720V2

Project No. : 2507C167
Equipment : Smart Floodlight Camera
Brand Name : Tapo
Test Model : Tapo C720
Model Name : Tapo C720, TC55
Hardware Version : V2
Software Version : V2
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 : Jul. 14, 2025
Date of Test : Jul. 17, 2025 ~ Sep. 12, 2025
Issued Date : Oct. 13, 2025
Test Sample : Engineering Sample No.: DG20250714355
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)

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2507C167	R00	Original Report.	Oct. 13, 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.	ANT1	IFA	N/A	0
2	TP-Link Systems Inc.	3101505276	Dipole	N/A	0

Note:

- 1) Smart antenna system with two transmit/receive chains, but operating in a mode where only one transmit/receive chain is used.
- 2) 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	8.05	6.3826	0.00127	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	20.26	106.1696	0.02113	1	Complies

Note:

- (1) The calculated distance is 20 cm.
- (2) WLAN 2.4GHz and LE can not simultaneous transmission.

End of Test Report