FCC RF EXPOSURE REPORT

FCC ID: 2BH7FC660

Project No.	:	2412G046A
Equipment	:	Battery-Powered Pan/Tilt Security Camera
Brand Name	:	tapo
Test Model	:	Tapo C660
Series Model	:	TC92
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	:	Apr. 16, 2025
Date of Test	:	May 19, 2025 ~ Jun. 11, 2025
Issued Date	:	Jun. 30, 2025
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG20250416147
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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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2412G046A	R00	Original Report.	Jun. 30, 2025	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 BT LE:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	3101507248	Dipole	N/A	0.00

Note:
1) Smart antenna system with two transmit/receive chains. The links are the same, only the directions are different, but operating in a mode where only one transmit/receive chain is used.
2) The antenna gain is provided by the manufacturer.

For 2.4GHz & 5GHz:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	3101507248	Dipole	N/A	0.00
2	TP-Link Systems Inc.	3101507249	Dipole	N/A	0.00

Note:
1) Smart antenna system with two transmit/receive chains. The links are the same, only the directions are different, 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. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
0.00	1.0000	6.95	4.9545	0.00099	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
0.00	1.0000	27.08	510.5050	0.10161	1	Complies

For 5GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. AVG Output Power (dBm)	Max. AVG Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
0.00	1.0000	23.69	233.8837	0.04655	1	Complies

For the max simultaneous transmission MPE:

Ratio			Total	Limit of Ratio	Test Result
LE	2.4GHz	5GHz			
0.00099	0.10161	0.04655	0.14915	1	Complies

Note:
(1) The calculated distance is 20 cm.
(2) Output power including tune up tolerance.
(3) Ratio=Power Density (S) (mW/cm^2)/Limit of Power Density (S) (mW/cm^2)

End of Test Report