

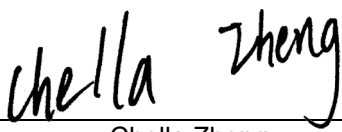
FCC RF EXPOSURE REPORT

FCC ID: 2BH7FC465

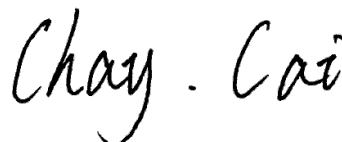
Project No. : 2507C047
Equipment : Enhanced AI Solar Security Camera Ultra
Brand Name : tp-link
Test Model : Tapo C465
Model Name : Tapo C465
Hardware Version : 1.0
Software Version : 1.X
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Date of Receipt : Aug. 12, 2025
Date of Test : Aug. 15, 2025 ~ Sep. 26, 2025
Issued Date : Oct. 22, 2025
Test Sample : Engineering Sample No.: DG92025081240
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-5-2507C047	R00	Original Report.	Oct. 22, 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

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	N/A	Dipole	N/A	0
2	TP-Link Systems Inc.	N/A	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. Select ant1 for the test.
- 2) The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

Tune up tolerance(dBm)		
LE	2.4GHz	5GHz
0.5	0.5	0.5

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	1.0000	5.05	3.1989	0.00064	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	21.44	139.3157	0.02773	1	Complies

For 5GHz:

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	21.86	153.4617	0.03055	1	Complies

For the max simultaneous transmission MPE:

LE+2.4G+5G

Ratio			Total	Limit of Ratio	Test Result
LE	2.4GHz	5GHz			
0.00064	0.02773	0.03055	0.05892	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