

# FCC RF Exposure Report


**FCC ID: 2BH7FC560WS**

**Report No.** : BTL-FCCP-5-2502G022A  
**Equipment** : Outdoor Pan/Tilt Security Wi-Fi Camera  
**Model Name** : Tapo C560WS, TC46  
**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

**Standard(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** : 2025/4/18  
**Date of Test** : 2025/4/25 ~ 2025/6/3  
**Issued Date** : 2025/7/10

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

**Prepared by** :   
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**Approved by** :   
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**BTL Inc.**

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**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2502G022A	R00	Original Report.	2025/7/10	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 BLE & 2.4GHz:

Ant.	Brand Name	P/N	Type	Connector	Gain (dBi)
1	tp-link	Tapo C560WS 1.0	Dipole	N/A	0
2	tp-link	Tapo C560WS 1.0	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.

For 5GHz:

Ant.	Brand Name	P/N	Type	Connector	Gain (dBi)
1	tp-link	Tapo C560WS 1.0	Dipole	N/A	0.5
2	tp-link	Tapo C560WS 1.0	Dipole	N/A	0.5

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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
0	1.0000	4.90	3.0903	0.00062	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
0	1.0000	20.63	115.6112	0.02301	1	Complies

For 5GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
0.5	1.1220	20.43	110.4079	0.02466	1	Complies

**For the max simultaneous transmission MPE:**

Ratio			Total	Limit of Ratio	Test Result
LE	2.4GHz	5GHz			
0.00062	0.02301	0.02466	0.04828	1	Complies

Note:

- (1) The calculated distance is 20 cm.
- (2) Output power including tune up tolerance.

**End of Test Report**