

FCC RF Exposure Report

FCC ID: 2BH7FC560WS

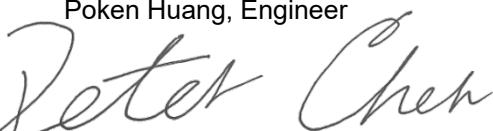
Report No. : BTL-FCCP-5-2502G022A
Equipment : Outdoor Pan/Tilt Security Wi-Fi Camera
Model Name : Tapo C560WS, TC46
Brand Name : tp-link, tapo
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Standard(s) : 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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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 ²)	Limit of Power Density (S) (mW/cm ²)	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 ²)	Limit of Power Density (S) (mW/cm ²)	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 ²)	Limit of Power Density (S) (mW/cm ²)	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.