| | |
|---|---|
| **Product Name: Tapo Smart Floodlight Camera** | **Report No: FCC022022-05623RF1** |
| **Product Model: Tapo C720** | **Security Classification: Open** |
| **Version: V1.0** | **Total Page: 5** |

# TIRT Testing Report



| Prepared By: | Checked By: | Approved By: | |
|---|---|---|---|
| Stone Tang | Randy Lv | Daniel Chen | |
| Stone Tang | Randy LV | Daniel chen | |

# FCC RF EXPOSURE REPORT

## FCC ID: 2AXJ4C720

| | | |
|---|---|---|
| **Project No.** | : | 2022-05623 |
| **Equipment** | : | Tapo Smart Floodlight Camera |
| **Brand Name** | : | TP-Link |
| **Test Model** | : | Tapo C720 |
| **Series Model** | : | N/A |
| **Applicant** | : | TP-Link Corporation Limited |
| **Address** | : | Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong |
| **Manufacturer** | : | TP-Link Corporation Limited |
| **Address** | : | Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong |
| **Date of Receipt** | : | 2022.10.17 |
| **Date of Test** | : | 2022.10.17-2022.10.28 |
| **Issued Date** | : | 2022.10.28 |
| **Report Version** | : | V1.0 |
| **Test Sample** | : | Engineering Sample No.: 20221026018940 |
| **Standard(s)** | : | FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091<br>FCC Title 47 Part 2.1091 |

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.

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## REPORT ISSUED HISTORY

| Report No. | Version | Description | Issued Date | Note |
|---|---|---|---|---|
| FCC022022-05623RF2 | V1.0 | Original Report | 2022.10.28 | Valid |

## 1. TEST FACILITY

| | |
|---|---|
| Company: | Beijing TIRT Technology Service Co.,Ltd Shenzhen |
| Address: | 101, 3 # Factory Building, Gongjin Electronics, Shatin Community, KengziStreet, Pingshan District, Shenzhen City, Guangdong province, China |
| CNAS Registration Number: | CNAS L14158 |
| A2LA Registration Number | 6049.01 |
| Telephone: | +86-0755-27087573 |

## 2. 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

For LE :
Antenna Specification:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|---|---|---|---|---|---|
| 1 | TP-Link | N/A | IFA | N/A | 0.02 |
| 2 | TP-Link | N/A | Dipole | N/A | -0.40 |

Note:
1. The antenna gain is provided by the manufacturer.

2. EUT support CDD, power Directional Gain 0.02 dBi

## 3. TEST RESULTS

For 802.11n(20MHz)-CH06:

| Directional Gain (dBi) | Directional 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 |
|---|---|---|---|---|---|---|
| 0.02 | 1 | 26.89 | 488.6524 | 0.09771 | 1 | Complies |

Note:

1. Only the worst case recorded.
2. The calculated distance is 20 cm.

**End of Test Report**