

# FCC RF EXPOSURE REPORT

**FCC ID: TE7C100** 

**Project No.** : 1910C114

**Equipment**: Home Security Wi-Fi Camera

**Brand Name** : tapo, tp-link **Test Model** : Tapo C100

Series Model : N/A

**Applicant**: TP-Link Technologies Co., Ltd.

Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and

Technology Park, Shennan Rd, Nanshan, Shenzhen, China

**Manufacturer**: TP-Link Technologies Co., Ltd.

Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and

Technology Park, Shennan Rd, Nanshan, Shenzhen, China

Date of Receipt : Oct. 24, 2019

**Date of Test** : Oct. 28, 2019 ~ Nov. 05, 2019

**Issued Date** : Nov. 22, 2019

Report Version : R00

**Test Sample**: Engineering Sample No.: DG2019102547

Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091

FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

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

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## **REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue	Nov. 22, 2019





### 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

#### Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	TP-LINK®	N/A	IFA	N/A	1.93

#### 2. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Average Output Power (dBm)	Max. Average Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm²)	Test Result
1.93	1.5596	17.20	52.4807	0.01629	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.