

Product Name: Tapo Smart Motion Sensor	Report No: FCC022022-05741RF14
Product Model: Tapo T100	Security Classification: Open
Version: V1.0	Total Page: 4

## TIRT Testing Report



Prepared By:	Checked By:	Approved By:	A circular blue stamp with the text "TIRT Technology Service Co., Ltd. Shenzhen" and a star symbol.
Stone Tang	Randy Lv	Daniel Chen	
Stone Tang	Randy Lv	Daniel chen	

# FCC RF EXPOSURE REPORT

## FCC ID: 2AXJ4T100

**Equipment** : Tapo Smart Motion Sensor  
**Brand Name** : Tp-link, Tapo  
**Test Model** : Tapo T100  
**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** : 2022.11.2  
**Date of Test** : 2022.11.2 ~ 2022.11.8  
**Issued Date** : 2022.11.8  
**Report Version** : V1.0  
**Test Sample** : Engineering Sample No.: 20221103019321  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091  
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
FCC022022-05741RF14	V1.0	Compared with original report (BTL-FCCP-1-2107C003), added the nominal operating frequency (920.9MHz, 921.7MHz), so the test result is recalculated.	2022.11.08	Valid

## 1. TEST FACILITY

Company:	Beijing TIRT Technology Service Co.,Ltd Shenzhen
Address:	101, 3 # Factory Building, Gongjin Electronics, Shatin Community, Kengzi Street, Pingshan District, Shenzhen City, 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

or Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	tp-link	N/A	Omni-Directional	N/A	-6.00

## 3. TEST RESULTS

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
-6.00	0.2512	9.64	9.2045	0.00046	1	Complies

Note: The calculated distance is 20 cm.

**End of Test Report**