

Product Name: Tapo Smart Contact Sensor	Report No: FCC022022-05740RF14
Product Model: Tapo T110	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" around the perimeter and "TIRT Shenzhen" in the center.
Stone Tang	Randy Lv	Daniel Chen	
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FCC RF EXPOSURE REPORT

FCC ID: 2AXJ4T110

This report concerns: Class II Permissive Change

Project No. : 2022-05740
Equipment : Tapo Smart Contact Sensor
Brand Name : tp-link
Test Model : Tapo T110
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 : 2022.11.03
Date of Test : 2022.11.03 ~ 2022.11.08
Issued Date : 2022.11.09
Report Version : V1.0
Test Sample : Engineering Sample No.: 20221103019320
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
FCC022022-05740RF14	V1.0	Compared with original report (BTL-FCCP-2-2103C168B), added the nominal operating frequency (920.9MHz, 921.7MHz) which does not affect the test results. The rest are kept the same.	2022.11.09	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, China
CNAS Registration Number:	CNAS L14158
A2LA Registration Number:	6049.01
FCC Accredited Lab. Designation Number:	CN1309
FCC Test Firm Registration Number:	825524
Telephone:	+86-0755-27087573

2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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

Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	tp-link	Antenna_Tapo T110(US)1.0	Internal	N/A	-2.61

Note: The antenna gain is provided by the manufacturer.

3. TEST RESULTS

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
-2.61	0.5483	9.076	8.0835	0.0009	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

End of Test Report