

# FCC RF EXPOSURE REPORT

## FCC ID: 2AXJ4P105

**Project No.** : 2003C205C  
**Equipment** : Mini Smart Wi-Fi Plug  
**Brand Name** : tp-link, tapo  
**Test Model** : Tapo P105  
**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** : Jun. 22, 2022  
**Date of Test** : Jun. 29, 2022 ~ Aug. 08, 2022  
**Issued Date** : Aug. 12, 2022  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG2022062248 for BLE, DG2022062249 for  
WIFI.  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091  
FCC Title 47 Part 2.1091

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

*Chella Zheng*

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TESTING CERT #5123.02

**BTL Inc.**

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**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2003C205C	R00	Original Report	Aug. 12, 2022	Valid

## 1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792 People's Republic of China.

BTL's Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

## 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

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	tp-link	N/A	Monopole	N/A	-1.11

Note: The antenna gain is provided by the manufacturer.

## 3. TEST RESULTS

For BT LE:

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/cm <sup>2</sup> )	Test Result
-1.11	0.7745	3.56	2.2699	0.00035	1	Complies

For 2.4GHz:

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/cm <sup>2</sup> )	Test Result
-1.11	0.7745	21.92	155.5966	0.02399	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

**End of Test Report**