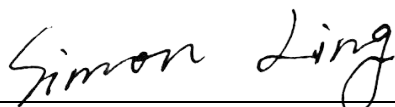


FCC RF EXPOSURE REPORT

FCC ID: TE7KP115

Project No. : 2005C176A
Equipment : Kasa Smart Wi-Fi Plug Mini
Brand Name : tp-link
Test Model : HS105
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 : May 27, 2020
Jul. 27, 2020
Date of Test : May 29, 2020 ~ Jun. 22, 2020
Issued Date : Aug. 19, 2020
Report Version : R00
Test Sample : Engineering Sample No.: DG20200527292
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.



Prepared by : Simon Ling



Approved by : Ethan Ma



Certificate #5123.02

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REPORT ISSUED HISTORY

| Report Version | Description | Issued Date |
|----------------|---|---------------|
| R00 | Compared with original report (BTL-FCCP-2-2005C176), changed the product name and model name. The model HS105 changed the design of the power board based on original model which does not affect the test results. The rest are kept the same. | Aug. 19, 2020 |

1. 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

Table for Filed Antenna:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|---------|------------|--------------|-----------|------------|
| 1 | tp-link | N/A | IFA | N/A | 3.50 |

2. TEST RESULTS

| Antenna Gain (dBi) | Antenna Gain (numeric) | Max. Average Output Power (dBm) | Max. Average Output Power (mW) | Power Density (S) (mW/cm ²) | Limit of Power Density (S) (mW/cm ²) | Test Result |
|--------------------|------------------------|---------------------------------|--------------------------------|---|--|-------------|
| 3.50 | 2.2387 | 19.24 | 83.9460 | 0.03741 | 1 | Complies |

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

End of Test Report