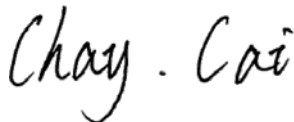


# FCC RF EXPOSURE REPORT

## FCC ID: TE7HS220V2

**Project No.** : 1911C107  
**Equipment** : Kasa Smart Wi-Fi Light Switch, Dimmer  
**Brand Name** : tp-link  
**Test Model** : HS220  
**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** : Nov. 19, 2019  
**Date of Test** : Nov. 20, 2019~Dec. 06, 2019  
**Issued Date** : Jan. 09, 2020  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: DG2019111913  
**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	Jan. 03, 2020
R01	Updated the Max. Output Power.	Jan. 09, 2020

## 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	P/N	Antenna Type	Connector	Gain (dBi)
1		6035500079	PIFA	N/A	2.98

## 2. 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
2.98	1.9861	26.29	425.5984	0.16825	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

**End of Test Report**