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.

Chay . Cai

Prepared by : Chay Cai

Ethan Ma

Approved by : Ethan Ma

Certificate #5123.02

Add: No.3, Jinshagang 1st Road, Shixia, Dalang Town,Dongguan, Guangdong, China.
Tel: +86-769-8318-3000
Web: www.newbtl.com

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	TP-LINK	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^2)	Limit of Power Density (S) (mW/cm^2)	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