

FCC RF EXPOSURE REPORT

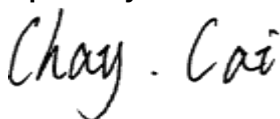
FCC ID: 2AXJ4KC105

Project No. : 1906C173E
Equipment : Kasa Spot, 24/7 Recording
Brand Name : tp-link
Test Model : KC105
Series Model : EC60
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 : Oct. 10, 2019
 Sep. 28, 2020
 Jul. 12, 2022
Date of Test : Oct. 11, 2019 ~ Oct. 23, 2019
Issued Date : Aug. 23, 2022
Report Version : R00
Test Sample : Engineering Sample No.: DG2019093050
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.



Prepared by : Sheldon Ou



Approved by : Chay Cai



BTL Inc.

No. 3 Jinshagang 1st Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792 People's Republic of China.

Tel: +86-769-8318-3000

Web: www.newbtl.com

Service mail: btl_qa@newbtl.com

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-1906C173E	R00	Compared with original report (BTL-FCCP-2-1906C173A), 1. Removed the standard of OET Bulletin 65 Supplement C. 2. Changed version to C60 4.0. 3. Changed the SOC, Sensor, and related peripheral circuits. 4. Changed the shell. 5. Changed the adapter. The above changes do not affect the test results. Other are kept the same.	Aug. 23, 2022	Valid

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	N/A	N/A	Printed	N/A	3.59

Note: The antenna gain is provided by the manufacturer.

2. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.59	2.2856	27.08	510.5050	0.23225	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

End of Test Report