

FCC RF EXPOSURE REPORT

FCC ID: 2AXJ4KL420

Project No. : 2109C206A
Equipment : 1) Kasa Smart Light Strip, Multicolor
2) Tapo Smart Light Strip, Multicolor
Brand Name : 1) tp-link
2) tp-link, tapo
Model Name : 1) KL420L5
Series Model : 2) Tapo L920-10, Tapo L920-5, Tapo L930-5, Tapo L930-10
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 : Sep. 28, 2021
Feb. 24, 2022
Date of Test : Oct. 11, 2021 ~ Oct. 18, 2021
Issued Date : Mar. 30, 2022
Report Version : R00
Test Sample : Engineering Sample No.: DG2021092859
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.

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TESTING CERT #5123.02

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Compared with original report (BTL-FCCP-2-2109C206), 1. Removed the standard: OET Bulletin 65 Supplement C. 2. Added series models (Model: Tapo L920-5, Tapo L930-5, Tapo L930-10). Based on model difference(s) in below table. The changes do not affect the test results. The rest are kept the same.	Mar. 30, 2022

Model Name	Equipment	Brand	Power Rating	Length	Flash
KL420L5	Kasa Smart Light Strip, Multicolor	tp-link	I/P: 100-240V~ 50/60Hz 0.6A O/P: 12V \equiv 1.5A	5m	2MB
Tapo L920-5	Tapo Smart Light Strip, Multicolor	tp-link, tapo	I/P: 100-240V~ 50/60Hz 0.6A O/P: 12V \equiv 1.5A	5m	
Tapo L920-10	Tapo Smart Light Strip, Multicolor	tp-link, tapo	I/P: 100-240V~ 50/60Hz, 1.0A O/P: 12.0V \equiv 3.3A	10m	4MB
Tapo L930-5	Tapo Smart Light Strip, Multicolor	tp-link, tapo	I/P: 100-240V~ 50/60Hz, 0.3A O/P: 12V \equiv 1A	5m	
Tapo L930-10	Tapo Smart Light Strip, Multicolor	tp-link, tapo	I/P: 100-240V~ 50/60Hz, 0.8A O/P: 12V \equiv 2.0A	10m	

- For model KL420L5 and Tapo L920-5: Only differ in product name, model name and brand name.
- For model Tapo L920-10 and Tapo L930-5, Tapo L930-10: Model Tapo L930-5, Tapo L930-10 only differ in power supply and the size of flash (The power specification of Tapo L930-5, Tapo L930-10 is smaller than that of Tapo L920-10, and the load current of Tapo L930-5, Tapo L930-10 light bar is also smaller than Tapo L920-10).

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

Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	tp-link	N/A	Internal	N/A	2.5

Note: The antenna gain is provided by the manufacturer.

3. 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
2.5	1.7783	18.99	79.2501	0.02805	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

End of Test Report