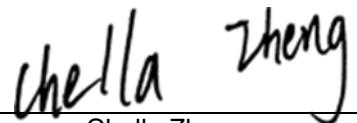


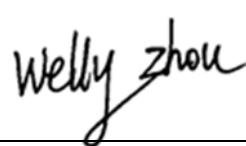
# FCC RF EXPOSURE REPORT

## FCC ID: 2BH7FEAP215BRGV3

**Project No.** : 2502G032  
**Equipment** : 5GHz 867Mbps Long-range Indoor/Outdoor Wireless Bridge  
**Brand Name** : tp-link  
**Test Model** : EAP215-Bridge  
**Series Model** : N/A  
**Applicant** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618  
**Manufacturer** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618  
**Date of Receipt** : Feb. 28, 2025  
**Date of Test** : Mar. 03, 2025 ~ Apr. 15, 2025  
**Issued Date** : May 21, 2025  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: DG20250228126  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091  
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2502G032	R00	Original Report.	Apr. 24, 2025	Invalid
BTL-FCCP-2-2502G032	R01	Modified the comments.	May 21, 2025	Valid

## 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

## 2. ANTENNA SPECIFICATION

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	tp-link	3101507411	Microstrip	N/A	11
2	tp-link	3101507411	Microstrip	N/A	11

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain =  $G_{ANT} + \text{Array Gain}$ .  
For power measurements, Array Gain=0dB ( $N_{ANT} \leq 4$ ), so the Directional gain=11.  
So, the UNII-1, UNII-3 output power limit is  $30 - (11 - 6) = 25$ .
- 2) When elevation angle above 30 degrees of antenna gain is -2 dBi.
- 3) The antenna gain is provided by the manufacturer.

## 3. CALCULATED RESULT

For 5GHz:

Directional gain (dBi)	Directional 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
11	12.5893	24.93	311.1716	0.77974	1	Complies

Note:

- (1) The calculated distance is 20 cm.

**End of Test Report**