

FCC RF EXPOSURE REPORT

FCC ID: 2BH7FEAP211BRGV3

Project No. : 2502G019
Equipment : 5GHz 867Mbps Indoor/Outdoor Wireless Bridge
Brand Name : tp-link
Test Model : EAP211-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. 13, 2025
Date of Test : Feb. 28, 2025 ~ Apr. 08, 2025
Issued Date : Jun. 10, 2025
Report Version : R00
Test Sample : Engineering Sample No.: DG20250213240
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

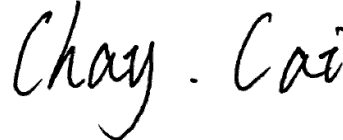
The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan).

Prepared by :



Chella Zheng

Approved by :



Chay Cai

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong 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-2-2502G019	R00	Original Report.	Jun. 10, 2025	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

2. ANTENNA SPECIFICATION

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	3101507376	Microstrip	N/A	6.90
2	TP-Link Systems Inc.	3101507376	Microstrip	N/A	7.00

Note:

- 1) This EUT supports CDD, and all antenna gains are not equal, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=7.00.
- 2) The maximum direction gain at any elevation angle above 30 degrees as measured from the horizon is -2 dBi.
- 3) Beamforming Gain: 3 dB.
- 4) The antenna gain and beamforming gain are provided by the manufacturer.

3. CALCULATED RESULT

Directional gain (dBi)	Directional 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
7	5.0119	25.75	375.8374	0.37493	1	Complies

Note:

- (1) The calculated distance is 20 cm.

End of Test Report