

FCC RF EXPOSURE REPORT

FCC ID: 2BH7FFUSGM2

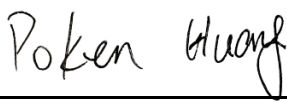
Report No. : BTL-FCCP-2-2512C322
Equipment : Fusion 2.5G Gateway
Model Name : Fusion 2.5G
Brand Name : Omada
Test Model : Fusion 2.5G
Hardware Version : 1.0
Software Version : 1.0
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618

Radio Function : Bluetooth Low Energy

FCC Rule Part(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

Date of Receipt : 2025/12/29
Date of Test : 2026/1/8 ~ 2026/1/11
Issued Date : 2026/4/7

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by : 
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Approved by : 
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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2512C322	R00	Original Report.	2026/4/7	Valid

1. TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221,
Taiwan (FCC DN: TW0659)

2. 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

3. ANTENNA SPECIFICATION

Ant.	Manufacturer	Model Name	Type	Connector	Gain (dBi)
1	Lianzhou International Co.,Ltd.	Fusion 2.5G(UN)1.0	PIFA	N/A	2.56

The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

4. CALCULATED RESULT

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
2.56	1.8030	0.31	1.0740	0.0004	1	Complies

Note:

(1) The calculated distance is 20 cm.

(2) Ratio=Power Density (S) (mW/cm²)/Limit of Power Density (S) (mW/cm²)

End of Test Report