

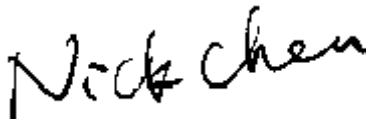
FCC RF EXPOSURE REPORT

FCC ID: 2BCGWBP2200

Project No. : 2403G096
Equipment : Smart Wi-Fi Outlet
Brand Name : tp-link
Test Model : BP2200
Series Model : N/A
Applicant : TP-LINK CORPORATION PTE. LTD.
Address : 7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987
Manufacturer : TP-LINK CORPORATION PTE. LTD.
Address : 7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987
Date of Receipt : Mar. 15, 2024
Date of Test : Mar. 18, 2024 ~ Apr. 13, 2024
Issued Date : May 06, 2024
Report Version : R00
Test Sample : Engineering Sample No.: SSL20240315121, SSL20240315122
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

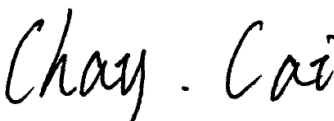
The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Prepared by :



Nick Chen

Approved by :



Chay Cai

Room 108, Building 2, No.1, Yile Road, Songshan Lake Zone, Dongguan City, 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-3-2403G096	R00	Original Report.	May 06, 2024	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	Model Name	Antenna Type	Connector	Gain (dBi)
1	tp-link	BP2200	IFA	N/A	2.19

Note: The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For BT LE:

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
2.19	1.6558	9.45	8.8105	0.00290	1	Complies

For 2.4GHz:

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
2.19	1.6558	18.63	72.9458	0.02404	1	Complies

Note:

1) The calculated distance is 20 cm.

2) BT LE and WLAN 2.4GHz can not simultaneous transmission.

End of Test Report