Product Name: Kasa Smart Wi-Fi Outdoor Plug	**Report No: FCC022022-5387RF14**
Product Model: EP40A	**Security Classification: Open**
Version: V1.0	**Total Page:5**

TIRT Testing Report

Prepared By:	Checked By:	Approved By:	
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FCC RF EXPOSURE REPORT

FCC ID: 2AXJ4P400

Project No.	:	022022-5387
Equipment	:	Kasa Smart Wi-Fi Outdoor Plug
Brand Name	:	TP-Link
Test Model	:	EP40A
Series Model	:	N/A
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 Test	:	2022.07.13-2022.10.12
Issued Date	:	2022.10.26
Report Version	:	V1.0
Test Sample	:	Engineering Sample No.: 20220713018150
Standard(s)	:	FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091 FCC Title 47 Part 2.1091

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
FCC022022-5387RF14	V1.0	Original Report	2022.10.26	Valid

1. TEST FACILITY

Company:	Beijing TIRT Technology Service Co.,Ltd Shenzhen
Address:	101,3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China
CNAS Registration Number:	CNAS L14158
A2LA Registration Number	6049.01
Telephone:	+86-0755-27087573

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	IFA	N/A	3.50
2	Tp-link	N/A	IFA	N/A	1.32

Note:
1) The antenna gain is provided by the manufacturer.
2) Only one antenna is actually used for smart antenna switchover.

3. TEST RESULTS

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
3.5	2.2387	5.10	3.2	0.002	1	Complies

For 2.4GHz:

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
3.5	2.2387	20.15	103.5	0.046	1	Complies

Note: 1. The calculated distance is 20 cm.
2. Both of LE and 2.4GHz cannot be transmitted synchronously.

End of Test Report