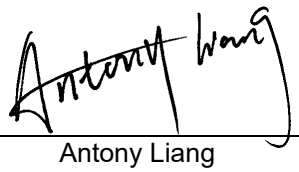
FCC RF EXPOSURE REPORT

FCC ID: 2ARJ5-ETAP05

Project No.	:	2503C031
Equipment	:	ESL Access Point
Brand Name	:	ETGtag
Test Model	:	ETAP05
Series Model	:	N/A
Applicant	:	Suzhou Etag-Technology Corporation
Address	:	Room 236,2/F Ming De Building, No.166 Ren ai Road, Suzhou Industrial Park Suzhou ChinaPark
Manufacturer	:	Suzhou Etag-Technology Corporation
Address	:	Room 1506,building E,nanotechnology university sciene park,no.388 ruoshui road,Suzhou industrial park,Jiangsu province
Factory	:	Kunshan Quanbao electronic Co., LTD
Address	:	No.299, Jiguang South Road, Qiandeng Town, Kunshan City
Date of Receipt	:	Mar. 03, 2025
Date of Test	:	Mar. 06, 2025 ~ Mar. 21, 2025
Issued Date	:	Apr. 03, 2025
Report Version	:	R01
Test Sample	:	Engineering Sample No.: DG20250303165
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 : 
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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2503C031	R00	Original Report.	Mar. 28, 2025	Invalid
BTL-FCCP-2-2503C031	R01	Modified the comments.	Apr. 03, 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.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	Kunshan fengxun electronics co., ltd	008.ETS001062	PCB	IPEX	4
2	Kunshan fengxun electronics co., ltd	008.ETS001062	PCB	IPEX	4
3	Kunshan fengxun electronics co., ltd	008.ETS001062	PCB	IPEX	4
4	Kunshan fengxun electronics co., ltd	008.ETS001062	PCB	IPEX	4
5	Kunshan fengxun electronics co., ltd	008.ETS001062	PCB	IPEX	4
6	Kunshan fengxun electronics co., ltd	008.ETS001062	PCB	IPEX	4

Note:
1. The antenna gain is provided by the manufacturer.
2. Smart antenna system with six transmit/receive chains, but operating in a mode where only one transmit/receive chain is used.

3. CALCULATED RESULT

For Module 5:

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
4	2.5119	1.58	1.4388	0.00072	1	Complies

For Module 6:

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
4	2.5119	-1.60	0.6918	0.00035	1	Complies

Note:
(1) The calculated distance is 20 cm.
(2) Ratio=Power Density (S) (mW/cm^2)/Limit of Power Density (S) (mW/cm^2)

End of Test Report