FCC RF EXPOSURE REPORT

FCC ID: 2ARJ5-ET0290-84

Project No.	:	2501C407
Equipment	:	Electronic Shelf Label
Brand Name	:	ETGtag
Test Model	:	ET0290-84
Series Model	:	ET0290, ET0290-3D, ET0290-54, ET0290-3E, ET0290-3F
Applicant	:	Suzhou Etag-Technology Corporation
Address	:	Room 236,2/F Ming De Building, No.166 Ren ai Road, Suzhou Industrial Park Suzhou China
Manufacturer	:	Suzhou Etag-Technology Corporation
Address	:	Room 1506,building E,nanotechnology university sciene park,no.388 ruoshui road,Suzhou industrial park,Jiangsu province
Factory	:	Suzhou Etag-Technology Corporation
Address	:	Room 1506,building E,nanotechnology university sciene park,no.388 ruoshui road,Suzhou industrial park,Jiangsu province
Date of Receipt	:	Feb. 10, 2025
Date of Test	:	Feb. 18, 2025 ~ Mar. 14, 2025
Issued Date	:	Mar. 27, 2025
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SSL2025021045
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 : Antony Liang

Approved by : Chay Cai

Room 108-116, 309-310, 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-2-2501C407	R00	Original Report.	Mar. 27, 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	Model Name	Antenna Type	Connector	Gain (dBi)
1	Suzhou Etag-Technology Corporation	01132021_#1	Plate	N/A	-1.4

Note: The antenna gain and beamforming gain are provided by the manufacturer.

3. 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
-1.4	0.7244	0.83	1.2106	0.00017	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