FCC RF EXPOSURE REPORT

FCC ID: TVE-FON580B

Project No.	:	2401G115
Equipment	:	IP Phone
Brand Name	:	FORTINET
Test Model	:	FON-580B
Series Model	:	FON-580Bxxxxxxxxxx, FortiFone 580Bxxxxxxxxxx, FORTIFONE-580Bxxxxxxxxxx (where "x" can be "0-9", or "A-Z", or "-", or blank for marketing purposes or software changes only，All the models are electrically identical)
Applicant	:	Fortinet, Inc.
Address	:	899 Kifer Rd., Sunnyvale, CA 94086, USA
Manufacturer	:	Fortinet, Inc.
Address	:	899 Kifer Rd., Sunnyvale, CA 94086, USA
Date of Receipt	:	Jan. 24, 2024
Date of Test	:	Jan. 29, 2024 ~ Mar. 16, 2024
Issued Date	:	Mar. 26, 2024
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SSL2024012464
Standard(s)	:	FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091 FCC Title 47 Part 2.1091

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

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2401G115	R00	Original Report.	Mar. 26, 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. TABLE FOR FILED ANTENNA

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		N/A	FPC	N/A	3.4

Note: The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For BT:

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
3.4	2.1878	9.69	9.3111	0.00405	1	Complies

For 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
3.4	2.1878	6.60	4.5709	0.00199	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report