

FCC RF EXPOSURE REPORT

FCC ID: ZMOLE270LA

Project No. : 2407C095
Equipment : LTE Module
Brand Name : Fibocom
Test Model : LE270-LA
Series Model : N/A
Applicant : Fibocom Wireless Inc.
Address : 1101, Tower A, Building 6, Shenzhen International Innovation Valley,
Dashi 1st Rd, Nanshan, Shenzhen, China
Manufacturer : Fibocom Wireless Inc.
Address : 1101, Tower A, Building 6, Shenzhen International Innovation Valley,
Dashi 1st Rd, Nanshan, Shenzhen, China
Factory : Fibocom Wireless Inc.
Address : 1101, Tower A, Building 6, Shenzhen International Innovation Valley,
Dashi 1st Rd, Nanshan, Shenzhen, China
Date of Receipt : Aug. 07, 2024
Date of Test : Aug. 09, 2024 ~ Aug. 29, 2024
Issued Date : Sep. 04, 2024
Report Version : R00
Test Sample : Engineering Sample No.: SSL2024080742.
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.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2407C095	R00	Original Report.	Sep. 04, 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

Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
	GHT-019A	Dipole	SMA Male J	2.85	LTE Band 2
				2.98	LTE Band 4
				1.32	LTE Band 5
				2.21	LTE Band 7
				1.71	LTE Band 38
				2.21	LTE Band 41
				2.98	LTE Band 66

Note: The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

Band	Frequency (MHz)	Max. Tune up Power (dBm)	Antenna Gain (dBi)	Antenna Gain (linear)	Output Power to Antenna	Power Density (mW/cm ²)	Power Density Limit (mW/cm ²)	Test Result
Band 2	1850.7	25	2.85	1.93	609.54	0.1213	1.0000	Complies
Band 4	1710.7	25	2.98	1.99	628.06	0.1249	1.0000	Complies
Band 5	824.7	25	1.32	1.36	428.55	0.0853	0.5498	Complies
Band 7	2502.5	25	2.21	1.66	526.02	0.1046	1.0000	Complies
Band 38	2572.5	25	1.71	1.48	468.81	0.0933	1.0000	Complies
Band 41	2572.5	25	2.21	1.66	526.02	0.1046	1.0000	Complies
Band 66	2572.5	25	2.98	1.99	628.06	0.1249	1.0000	Complies

Note:

(1) The calculated distance is 20 cm.

(2) Ratio=Power Density (S) (mW/cm²)/Limit of Power Density (S) (mW/cm²)

End of Test Report