

## RF Exposure Report

**Report No.:** SA180704C01

**FCC ID:** ZMOL850GLD

**Test Model:** L850-GL

**Received Date:** Jul. 04, 2018

**Date of Evaluation:** Jul. 17, 2018

**Issued Date:** Jul. 19, 2018

**Applicant:** Fibocom Wireless Inc.

**Address:** 5/F, Tower A, Technology Building II, 1057 Nanhai Blvd, Nanshan,  
Shenzhen, China

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan,  
R.O.C.

**Test Location:** No. 19, Hwa Ya 2nd Rd, Wen Hwa Vil, Kwei Shan Dist., Taoyuan City  
33383, Taiwan (R.O.C)

**FCC Registration /  
Designation Number:** 788550 / TW0003



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### Release Control Record

Issue No.	Description	Date Issued
SA180704C01	Original Release	Jul. 19, 2018

## 1 Certificate of Conformity

**Product:** LTE module

**Brand:** Fibocom

**Test Model:** L850-GL

**Sample Status:** Identical Prototype

**Applicant:** Fibocom Wireless Inc.

**Date of Evaluation:** Jul. 17, 2018

**Standards:** FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :**

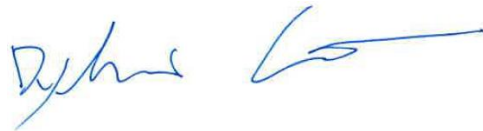


**Date:**

Jul. 19, 2018

Rona Chen / Specialist

**Approved by :**



**Date:**

Jul. 19, 2018

Dylan Chiou / Project Engineer

## 2 RF Exposure

### 2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30-300	27.5	0.073	0.2	30
300-1500	...	...	f/1500	30
1500-100,000	...	...	1.0	30

f = Frequency in MHz ; \*Plane-wave equivalent power density

### 2.2 MPE Calculation Formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

### 2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

So, this device is classified as **Mobile Device**.

## 2.4 Calculation Result of Maximum Conducted Power

Band	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WCDMA II	1850-1910	24.5	5.0	20	0.177	1.00
WCDMA IV	1710-1755	24.5	5.0	20	0.177	1.00
WCDMA V	824-849	24.5	3.0	20	0.112	0.55
LTE 2	1850-1910	24.0	5.0	20	0.158	1.00
LTE 4	1710-1755	24.0	5.0	20	0.158	1.00
LTE 5	824-849	24.0	3.0	20	0.100	0.55
LTE 7	2500-2570	24.0	5.0	20	0.158	1.00
LTE 12	699-716	24.0	3.0	20	0.100	0.47
LTE 13	777-787	24.0	3.0	20	0.100	0.52
LTE 17	704-716	24.0	3.0	20	0.100	0.47
LTE 26	814-849	24.0	3.0	20	0.100	0.54
LTE 30	2305-2315	23.0	3.0	20	0.079	1.00
LTE 38	2570-2620	24.0	5.0	20	0.158	1.00
LTE 41	2496-2690	24.0	5.0	20	0.158	1.00
LTE 66	1710-1780	24.0	5.0	20	0.158	1.00

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