

FCC RF EXPOSURE REPORT

FCC ID: XRSMLEN201

Project No. : 2102C088
Equipment : SRD device for operation in the 2.45GHz band
Brand Name : LumenRadio
Test Model : MLE-N2
Series Model : N/A
Applicant : LumenRadio AB
Address : Svangatan 2B, SE-41668 Gothenburg
Manufacturer : LumenRadio AB
Address : Svangatan 2B, SE-41668 Gothenburg
Factory : Inission Borås AB
Address : Gränsvägen 6
Date of Receipt : Feb. 25, 2021
Date of Test : Mar. 03, 2021 ~ Mar. 15, 2021
Issued Date : Mar. 23, 2021
Report Version : R00
Test Sample : Engineering Sample No.: DG20210225122
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

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



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Certificate #5123.02

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue	Mar. 23, 2021

1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

2. 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

Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	2

Note:

1) The antenna gain is provided by the manufacturer.

3. TEST RESULTS

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
2	1.5849	7.54	5.6754	0.00179	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report