

# FCC RF EXPOSURE REPORT

## FCC ID: 2ABSTRPH0002

**Project No.** : 1907C242  
**Equipment** : WiFi Lock  
**Brand Name** : Lynkd  
**Test Model** : Alert Lock  
**Series Model** : N/A  
**Applicant** : RPH Engineering, LLC  
**Address** : 1601 N. State St. Suite 1A, LEHI, UT, United States, 84043  
**Manufacturer** : Iton Technology Corp.  
**Address** : 7 Floor East, Building C, Shenzhen International Innovation Center, No. 1006 Shennan Road, Futian District, Shenzhen, China  
**Factory** : Iton Technology Corp.  
**Address** : 7 Floor East, Building C, Shenzhen International Innovation Center, No. 1006 Shennan Road, Futian District, Shenzhen, China  
**Date of Receipt** : Jul. 30, 2019  
**Date of Test** : Jul. 30, 2019 ~ Oct. 17, 2019  
**Issued Date** : Nov. 11, 2019  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG2019092634, DG2019092635  
**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	Nov. 11, 2019

## 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

Table for Filed Antenna

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

## 2. TEST RESULTS

Tune up tolerance(dBm)		
BT	LE	2.4GHz
2	2	2

For BT:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	12.67	18.4927	0.00583	1	Complies

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	10.35	10.8393	0.00342	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	19.25	84.1395	0.02654	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance(tune up tolerance: 2 dBm).

**End of Test Report**