

# FCC RF EXPOSURE REPORT

## FCC ID: 2AU49-DA16200MC

**Project No.** : 1910C136  
**Equipment** : WiFi Module  
**Brand Name** : Dialog  
**Test Model** : DA16200MOD-AAC4WA32  
**Series Model** : N/A  
**Applicant** : Dialog Semiconductor Korea Inc.  
**Address** : 7th SiliconPark, 35, Pangyo-ro 255 beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do (Zip 13486), Korea  
**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** : Building E, Weixinda Industrial Park, Ainan Road 95, Longgang District, Shenzhen, Guangdong Province, China  
**Date of Receipt** : Oct. 31, 2019  
**Date of Test** : Nov. 04, 2019 ~ Nov. 23, 2019  
**Issued Date** : Dec. 13, 2019  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG2019110416  
**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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**REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue	Dec. 13, 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	Chip	N/A	2

**2. TEST RESULTS**

Tune up tolerance(dBm)
2

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	20.09	102.0939	0.03221	1	Complies

Note: The calculated distance is 20 cm.

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

**End of Test Report**