

FCC RF EXPOSURE REPORT

FCC ID: 2AFZI-AVI1010B

Project No. : 1711C205C
Equipment : Avi-on 1010
Model Name : AVI1010-B
Series Model : N/A
Applicant : Avi-on Labs, Inc.
Address : 2700 Rasmussen Road Suite L-10 Park City,
UT 84098-6454

According : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan,
Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000



Certificate #5123.02

1. GENERAL SUMMARY

Equipment : Avi-on 1010
 Brand Name : Avi-ON
 Test Model : AVI1010-B
 Series Model : N/A
 Applicant : Avi-on Labs, Inc.
 Manufacturer : Iton Technology Corp.,Ltd
 Address : Room 1302, Block A, Building 4, Tianan Cyber Park, Huangge Road, Longgang District, Shenzhen, China
 Factory : Iton Technology Corp.,Ltd
 Address : Floor 3, Building E, Ainan Road, w\Weixinda Industrial Park,Longgang District, Shenzhen, China
 Date of Test : May 28, 2019 ~ Jun. 06, 2019
 Test Sample : Engineering Sample No.: DG19052793-1
 Standards : 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.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1711C205C) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO/IEC 17025 quality assessment standard and technical standard(s).

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 Device and Filed Antenna:

Ant.	Brand	Device P/N	Antenna Type	Antenna P/N	Connector	Gain (dBi)
1	Avi-on	AVI-IFAC-5A	Dipole	6210ANT	N/A	5.5
2	Avi-on	AVI-IFAC-5A-OA	Monopole	6211ANT	N/A	1.6

Note:

There are 2 options for the antenna of product, only one antenna is used at a time. And in this report only recorded the worst case (Ant. 1).

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
5.5	3.5481	9.28	8.4723	0.00598	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report