

# FCC RF EXPOSURE REPORT

**FCC ID: QWI-MXABTRK**

**Project No.** : 1903C242  
**Equipment** : Bluetooth Controller  
**Test Model** : MXABTRK  
**Series Model** : N/A  
**Applicant** : AFCO, INC  
**Address** : 122 Gayoso Ave Memphis Tennessee United States  
  
**According** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091

## **B T L I N C .**

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Certificate #5123.02

## 1. GENERAL SUMMARY

Equipment : Bluetooth Controller  
 Brand Name : MEMPHIS  
 Test Model : MXABTRK  
 Series Model : N/A  
 Applicant : AFCO, INC  
 Manufacturer : Hangzhou Newsources Electronics Co., Ltd  
 Address : No.7 Houyang Rd, Anxi Industrial Zone, Liangzhu, Hangzhou  
 Factory : Hangzhou Newsources Electronics Co., Ltd  
 Address : No.7 Houyang Rd, Anxi Industrial Zone, Liangzhu, Hangzhou  
 Date of Test : Apr. 04, 2019 ~ Apr. 15, 2019  
 Test Sample : Engineering Sample No.: D190403409  
 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-2-1903C242) 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 Filed Antenna:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	2

### 3. TEST RESULTS

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	6.23	4.1976	0.00132	1	Complies

Note: The calculated distance is 20 cm.

**End of Test Report**