

# FCC RF EXPOSURE REPORT

**FCC ID: YKBCA0877-033**

**Project No.** : 1906C154  
**Equipment** : Integrated Amplifier  
**Model Name** : CXA81  
**Series Model** : CXA61  
**Applicant** : Audio Partnership PLC  
**Address** : Gallery Court, Hankey Place, London, SE1  
4BB, United Kingdom  
  
**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 : Integrated Amplifier  
 Brand Name : CAMBRIDGE AUDIO  
 Test Model : CXA81  
 Series Model : CXA61  
 Applicant : Audio Partnership PLC  
 Manufacturer : Audio Partnership PLC  
 Address : Gallery Court, Hankey Place, London, SE1 4BB, United Kingdom  
 Factory : Dongguan Kwan Hong Electronics Co., Ltd.  
 Address : No.5, Shichangxiang, Chang'an Town, Dongguan City, Guangdong Province, China  
 Date of Test : Jul. 04, 2019 ~ Jul. 20, 2019  
 Test Sample : Engineering Sample No.: DG19070364  
 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-2-1906C154) 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:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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	 飞胜电子 FEI SHENG DIAN ZI	N/A	Dipole	N/A	1.50

### 3. TEST RESULTS

Tune up tolerance(dBm)
BT
$\pm 2$

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
1.5	1.4125	4.44	2.7797	0.00078	1	Complies

Note: The calculated distance is 20 cm

**End of Test Report**