

# FCC RF EXPOSURE REPORT

## FCC ID: QWHCPAXX01

**Project No.** : 1910C153  
**Equipment** : Power Amplifiers  
**Brand Name** : LAB GRUPPEN  
**Test Model** : CPA2401  
**Series Model** : CPA1201  
**Applicant** : MUSIC Tribe Manufacturing PH Ltd.  
**Address** : 17A Brunswick Street Hamilton HM 10 Bermuda  
**Manufacturer** : MUSIC Tribe Manufacturing PH Ltd.  
**Address** : 17A Brunswick Street Hamilton HM 10 Bermuda  
**Factory** : Zhongshan Eurotec Electronics Ltd  
**Address** : No.10 Wanmei Road, South China Modern Chinese Medicine Park,  
Nanlang Town, Zhongshan City, Guangdong Province, P.R. China  
**Date of Receipt** : Oct. 30, 2019  
**Date of Test** : Nov. 01, 2019 ~ Nov. 25, 2019  
**Issued Date** : Dec. 18, 2019  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: DG2019103089  
**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. 03, 2019
R01	Updated the tune up tolerance.	Dec. 18, 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	<b>AL</b> <small>LEAD</small> <i>technology</i>	RFA-02-C2M2-M10-N	Dipole	R SMA PLUG	2.09

**2. TEST RESULTS**

Tune up tolerance(dBm)
BT
1.5

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
2.09	1.6181	9.5	8.9125	0.00287	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance(tune up tolerance: 1.5 dBm).

**End of Test Report**