

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.

Vincent Tan

Prepared by : Vincent Tan

Ethan Ma

Approved by : Ethan Ma



Certificate #5123.02

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

Tel: +86-769-8318-3000

Web: www.newbtl.com

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		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 ²)	Limit of Power Density (S) (mW/cm ²)	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