FCC RF EXPOSURE REPORT

FCC ID: 2AP9V-ML03010

Project No.	**: 1812C033A**
Equipment	**: Bluetooth Speaker**
Model Name	**: AeroFrame HD**
Series Model	**: N/A**
Applicant	**: Music Life Limited**
Address	**: Unit 2105-09, 21/F, FTLife Tower, 18 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong, China**
According	**: FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091**

BTL INC.

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

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

Certificate #5123.02

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue	Aug. 29, 2019
R01	Updated the antenna gain and the test results.	Sep. 06, 2019

1. GENERAL SUMMARY

Equipment	:	Bluetooth Speaker
Brand Name	:	AeroSystem
Test Model	:	AeroFrame HD
Series Model	:	N/A
Applicant	:	Music Life Limited
Manufacturer	:	Music Life Limited
Address	:	Unit 2105-09, 21/F, FTLife Tower, 18 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong, China
Factory	:	EVERBRIGHT AUDIO (SHENZHEN) COMPANY LIMITED
Address	:	No. 19, Fareast Industry Area, Hsin Ho, Fu Yung, Bao'an District, Shenzhen City, Guangdong Province, P.R. China
Date of Test	:	Apr. 11, 2019 ~ Jul. 17, 2019
Test Sample	:	Engineering Sample No.: D190403472
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-3-1812C033A) 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	Model Name	Antenna Type	Connector	Gain(dBi)
1		FM-S1428-L=100	PCB	N/A	2.49

3. TEST RESULTS

Tune up tolerance(dBm)	
BT	LE
±2	±2

For BT:

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
2.49	1.7742	5.90	3.8905	0.00137	1	Complies

For LE:

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
2.49	1.7742	6.31	4.2756	0.00151	1	Complies

Note: The calculated distance is 20 cm.
Output power including tune up tolerance.

End of Test Report