

Address:

Approved By:

# **RF Exposure Report**

#### For

Applicant Name: GoPlus Corp

Address: 11250 Poplar Ave, Fontana, CA 92337

EUT Name: Active plastic speaker

Brand Name: ISONART

Model Number: EP23879

Series Model Number: P0650A, PP-0650A, PP-0650

**Issued By** 

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park,

Tantou Community, Songgang Street, Bao'an District, Shenzhen,

China

Report Number: BTF240416R00503

Test Standards: 47 CFR Part 2 Subpart J Section 2.1091

FCC ID: 2BE5D-EP23879

Test Conclusion: Pass

Test Date: 2024-04-17 to 2024-05-09

Date of Issue: 2024-05-10

Prepared By: Aria Zhang

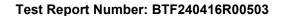
Aria Zhang / Project Engineezhe

Date: 2024-05-10

Ryan.CJ / EMC Manager

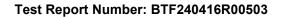
Date: 2024-05-10

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.





Revision History			
Version	Issue Date	Revisions Content	
R_V0	2024-05-10	Original	
Note:	Once the revision has b	een made, then previous versions reports are invalid.	





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Test Report Number: BTF240416R00503

### 1. Introduction

### 1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tan Community, Songgang Street, Bao'an District, Shenzhen, China	
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

### 1.2 Identification of the Responsible Testing Location

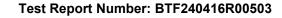
Test Location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tan Community, Songgang Street, Bao'an District, Shenzhen, China	
Description:	All measurement facilities used to collect the measurement data are located at F101,201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
FCC Registration Number:	518915
Designation Number:	CN1330

### 1.3 Laboratory Condition

Ambient Temperature:	20℃ to 25℃
Ambient Relative Humidity:	45% to 55%
Ambient Pressure:	100 kPa to 102 kPa

#### 1.4 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.





## 2. Product Information

### 2.1 Application Information

Company Name:	GoPlus Corp
Address:	11250 Poplar Ave, Fontana, CA 92337

#### 2.2 Manufacturer Information

Company Name:	Ningbo Polinata Electronics Co., Ltd.
Address:	9#, Xinrui Rd,Longxing Village, Wuxiang Town, Yinzhou District, Ningbo City, Zhejiang Province, China.

### 2.3 Factory Information

Company Name:	GoPlus Corp
Address:	11250 Poplar Ave, Fontana, CA 92337

### 2.4 General Description of Equipment under Test (EUT)

EUT Name Active plastic speaker		
Under Test Model Name EP23879		
Series Model Number:	P0650A, PP-0650A, PP-0650	
Description of Model name differentiation:	Only the model name is different, the others are the same.	



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# 3. Test Requirement

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b), Limits for Maximum Permissible Exposure (MPE),

Frequency range	Frequency range Electric field		Power density	Averaging time		
(MHz)	strength(V/m)			(minutes)		
	(A) Limits f	or Occupational/Controlled	Exposures			
0.3-3.0	614	1.63	*(100)	6		
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6		
30-300	61.4	0.163	1.0	6		
300-1500	-	-	f/300	6		
1500-100,000	-	-	5	6		
	(B) Limits for General Population/Uncontrolled Exposure					
0.3-1.34	614	1.63	*(100)	30		
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30		
30-300	27.5	0.073	0.2	30		
300-1500	-	-	f/1500	30		
1500-100,000	-	-	1.0	30		

Note: f = frequency in MHz

#### **EVALUATION METHOD**

Transmission formula:  $Pd = (Pout*G)/(4*pi*r^2)$ 

Where

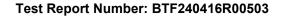
**Pd** = power density in mW/cm<sup>2</sup>, **Pout** = output power to antenna in mW, **G** = gain of antenna in linear scale; **Pi** = 3.1416, **R** = distance between observation point and center of the radiator in cm

#### 3.1 Assessment Result

$\boxtimes$	Passed	■ Not Applicable

Frequency (MHz)	Туре	Conducted Power (dBm)	Maximum Tune- up (dBm)	Power Density (mW/cm2)	Limit (mW/cm2)	Result
2402	ВТ	1.11	2	0.0006	1.0000	Pass
2402	BLE	0.29	1	0.0004	1.0000	Pass

Note: The exposure evaluation safety distance is 20cm.







BTF Testing Lab (Shenzhen) Co., Ltd.

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www.btf-lab.com

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