



Shenzhen BANTEK Testing Co., Ltd.

Page 1 of 6

Report No.: BTEK231016006AE002
FCC ID: 2BC8E-BT2301

RF Exposure Evaluation Report

Application No.: BTEK231016006AE
Applicant: Always Promotion, Inc.
Address of Applicant: 210 Parrott Road, West Nyack, New York, USA
Manufacturer: Always Promotion, Inc.
Address of Manufacturer: 210 Parrott Road, West Nyack, New York, USA
Factory: NA
Address of Factory: NA
Equipment Under Test (EUT):
EUT Name: Wireless Mini Speaker
Model No.: BT2301
Trade Mark: NA
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2023-10-16
Date of Test: 2023-10-16 to 2023-11-14
Date of Issue: 2023-11-14

Test Result:	Pass*
---------------------	--------------

* In the configuration tested, the EUT complied with the standards specified above.

Damon Su

Damon Su
EMC Laboratory Manager

ShenZhen BANTEK Testing Co., Ltd.

Add : A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street
Bao'an District, Shenzhen, Guangdong, China 518104

Tel : +(86)755-2334 4200 E-mail : Service@btek-lab.com Web : www.btek-lab.com





Shenzhen BANTEK Testing Co., Ltd.

Page 2 of 6

Report No.: BTEK231016006AE002

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-11-14		Original

Authorized for issue by:			
			
		Carl Yang/ Project Engineer	
			
		Keven Tan/ Reviewer	





Shenzhen BANTEK Testing Co., Ltd.

Page 3 of 6

Report No.: BTEK231016006AE002

2 Contents

	Page
1 COVER PAGE	1
2 CONTENTS	3
3 GENERAL INFORMATION	4
3.1 DETAILS OF E.U.T.	4
3.2 DESCRIPTION OF SUPPORT UNITS	4
3.3 TEST LOCATION.....	5
3.4 DEVIATION FROM STANDARDS	5
3.5 ABNORMALITIES FROM STANDARD CONDITIONS	5
4 TEST REQUIREMENT	6
4.1 Test Data and Test Result	6
5 EUT CONSTRUCTIONAL DETAILS	6



3 General Information

3.1 Details of E.U.T.

Power supply:	DC 3.7V by rechargeable lithium-ion battery(300mAh) and recharged by DC 5V.
Cable(s):	/
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	Bluetooth 5.0
This test report is for classic mode.	
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Hopping Channel Type:	Adaptive Frequency Hopping systems
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Number of Channels:	79
Sample Type:	Portable device
Antenna Type:	PCB Antenna
Antenna Gain:	1.7dBi
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

3.2 Description of Support Units

The EUT has been tested as an independent unit.



3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.

A5&A6, Building B1&B2, No.45 Gangtuo Road, Bogang Community, Shajing Street, Bao'an District,
Shenzhen, Guangdong, China 518104

Tel:0755-2334 4200 Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

4.1 Test Data and Test Result

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BT	2480	1.68	2	0.5	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

5 EUT Constructional Details

Refer to Appendix - External and Internal Appendix EUT Photos.

