Test Report

FCC ID. : 2AMUM- BB430

Date of issue: Jul. 10, 2017

Sample Description:	Bluetooth headphone
Model(s):	BB430, BB489, BB490, BB499, BB485, BB429
Applicant:	shenzhen kine industry electronic CO., LTD.
Address:	3F, Building 13, xingwei third industrial zone, Fenghuang village, fuyong town bown baoan district,Shenzhen,China
Date of Test:	Jul. 01, 2017 to Jul. 10, 2017

Shenzhen Microtest Co., Ltd.
http://www.mtitest.com

Tel:(86-755)88850135 Fax: (86-755) 88850136 Web: http://www.mtitest.com E-mail: mti@51mti.com
Address: No.102A & 302A, East Block, Hengfang Industrial Park, Xingye Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China

TEST RESULT CERTIFICATION

Applicant's name ..... :	**shenzhen kine industry electronic CO., LTD.**
Address ..... :	3F, Building 13, xingwei third industrial zone, Fenghuang village, fuyong town bown baoan district, Shenzhen,China
Manufacture's Name ..... :	**shenzhen kine industry electronic CO., LTD.**
Address ..... :	3F, Building 13, xingwei third industrial zone, Fenghuang village, fuyong town bown baoan district, Shenzhen,China
Product description	
Product name ..... :	Bluetooth headphone
Model and/or type reference :	BB430
Serial Model ..... :	BB489, BB490, BB499, BB485, BB429
Standards ..... :	FCC 2.1093:2015

This device described above has been tested by Shenzhen Toby Technology Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

Tested by: Ace Chai

Ace Chai Jul. 10, 2017

Reviewed by: Smith Chen

Smith Chen Jul. 10, 2017

Approved by: Tom Xue

Tom Xue Jul. 10, 2017

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1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

Equipment	Bluetooth headphone
Trade Name	**N/A**
Model Name	BB430
Serial Model	BB489, BB490, BB499, BB485, BB429
Model Difference	All Models above are identical interior structure,electrical circuits and compoments,and just the model name,shape and colors are different for marking rquirement
Product Description	The EUT is a Bluetooth headphone Operation Frequency: 2402-2480MHz Modulation Type: GFSK, π/4-DQPSK, 8-DPSK Bit Rate of Transmitter 1,2,3Mbps Number Of Channel 79CH Antenna Designation: Please see Note 3. Output Power(Conducted): 2.65 dBm Antenna Gain (dBi) 0dbi Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.
Number of Channels:	Bluetooth: 79CH BLE: 40CH
Battery	DC 3.7 V by battery
Connecting I/O Port(s)	Please refer to the User's Manual

1.2 TEST FACILITY

Shenzhen Toby Technology Co., Ltd.
Add.: 10/F.,A Block,Jiada R&D Bldg.,No.5 Songpingshan, Road, Science&Technology Park, Shenzhen, 518057
FCC Registration No.:811562

2. FCC §2.1093 - RADIOFREQUENCY RADIATION EXPOSURE EVALUATION: PORTABLE DEVICES.

2.1 RF EXPOSURE

Standard Requirement:

According to §15.247 (i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] · [$\sqrt{f_{(GHz)}}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,[16] where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation[17]
- The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

result = $P\sqrt{F}/D$

P= Maximum turn-up power in mW

F= Channel frequency in GHz

D= Minimum test separation distance in mm

2.2 TEST RESULT

Bluetooth Mode:

Modulation	CH	Frequency (MHz)	Conducted Power (dBm)	Tune Up Power (dBm)	Max Tune Up Power (dBm)	Max Tune Up Power (mW)	Result	Limit
GFSK	Low	2402	2.47	2.5±1	3.5	2.24	0.69	3
	Mid	2441	2.65	2.5±1	3.5	2.24	0.70	3
	High	2480	2.35	2.5±1	3.5	2.24	0.71	3
π/4 DQPSK	Low	2402	1.76	2±1	3	2.0	0.62	3
	Mid	2441	1.38	2±1	3	2.0	0.62	3
	High	2480	1.53	2±1	3	2.0	0.63	3
8-DPSK	Low	2402	1.54	1.5±1	2.5	1.78	0.55	3
	Mid	2441	1.44	1.5±1	2.5	1.78	0.56	3
	High	2480	1.72	1.5±1	2.5	1.78	0.56	3

BLE Mode:

Modulation	CH	Freq (MHz)	Conducted Power (dBm)	Tune Up Power (dBm)	Max Tune Up Power (dBm)	Max Tune Up Power (mW)	Result	Limit
GFSK	Low	2402	2.33	2±1	3	2.0	0.62	3
	Mid	2440	2.15	2±1	3	2.0	0.62	3
	High	2480	2.26	2±1	3	2.0	0.63	3

Result: Compliance

No SAR measurement is required.

END OF REPORT