MPE Test Report

Report No.:	ACHM-18OC0807VTSHPB-2
FCC ID:	2ARXX-BIC16042
Product:	Koozie Speaker Kooler
Model:	16042
Received Date:	Oct.13, 2018
Test Date:	Oct.13, 2018 to Nov.27, 2018
Issued Date:	Nov.28, 2018
Applicant:	Xiamen Obaili Manufacturing Ltd.
Address:	45 Building, Huli Industrial Park, Meixi Road,Xike, Tong'an District,Xiamen,Fujian,China
Manufacturer:	Xiamen Obaili Manufacturing Ltd.
Address:	45 Building, Huli Industrial Park, Meixi Road,Xike, Tong'an District,Xiamen,Fujian,China
Issued By:	BUREAU VERITAS ADT (Shanghai) Corporation
Lab Address:	No. 829, Xinzhuan Road, Shanghai, P.R.China (201612)

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Release Control Record

Issue No.	Description	Date Issued
ACHM-18OC0807VTSHPB -2	Original release	Nov.28, 2018

1 Certificate of Conformity

Product: Koozie Speaker Kooler

Brand: --

Model: 16042

Applicant: Xiamen Obaili Manufacturing Ltd.

Test Date: Oct.13, 2018 to Nov.27, 2018

Standards: FCC Part 2 (Section 2.1091)
KDB 447498 D01 General RF Exposure Guidance v06
IEEE C95.1-1992

The above equipment has been tested by **BUREAU VERITAS ADT (Shanghai) Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : chao jun shi , **Date:** Nov.28, 2018

Chaojun SHI
Testing Engineer

Approved by : Joy zhu , **Date:** Nov.28, 2018

Joy ZHU
Testing Manager

2 RF Exposure

2.1 Limits For Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1,500	-	-	F/1500	30
1,500-100,000	-	-	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

Power density (S) is calculated according to the formula:

$S = PG / (4\pi R^2)$

Where S = power density in mW/cm^2
P = transmit power in mW
G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))
R = distance (cm)

2.3 MPE Calculation Formula

The antenna of this product, under normal use condition, is at least 20cm from the body of the user. So the device is classified as Mobile Device.

2.4 Calculation Result of Maximum Permissible Exposure

Frequency Band (MHz)	Max Tune-up Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
BT-EDR					
2402-2480	-2.23	-0.58	20	0.00010	1

Conclusion:

The calculation result of MPE is less than the limit.

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