



MPE Test Report

Report No.: RDK-17OC0110VTSPB-2

FCC ID: 2AOY2ALLHOP

Product: Bluetooth player

Model: JL8248

Received Date: Nov.22, 2017

Test Date: Nov.22 to Dec.20, 2017

Issued Date: Jan.16, 2018

Applicant: Shanghai Homsteel Industry Co.,Ltd

Address: No.49 Tianying Road, Qingpu District, Shanghai, China

Manufacturer: Shanghai Homsteel Industry Co.,Ltd

Address: No.49 Tianying Road, Qingpu District, Shanghai, China

Issued By: BUREAU VERITAS ADT (Shanghai) Corporation

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Release Control Record

Issue No.	Description	Date Issued
RDK-17OC0110VTSPB-2	Original release	Jan.16, 2018



1 Certificate of Conformity

Product: Bluetooth player

Brand: --

Model: JL8248

Applicant: Shanghai Homsteel Industry Co.,Ltd

Test Date: Nov.22 to Dec.20, 2017

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 :  , **Date:** Jan.16, 2018

Bing YE

Testing Engineer

Approved by :  , **Date:** Jan.16, 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:

$$S = PG / (4\pi R^3)$$

Where S = power density in mW/cm²

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	-1.98	-0.68	20	0.00011	1

Conclusion:

The calculation result of MPE is less than the limit.

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