

RF Exposure report

Report No.: HP190411KF01-FMP

FCC ID: 2ASKIMD6972

Product Name CD BOOMBOX with Bluetooth® Wireless Technology

Test Model: MD6972

Received Date: 2019-4-11

Test Date: 2019-4-11~2019-4-29

Issued Date: 2019-5-7

Applicant Name: ANKANG COMATE TECH CO., LTD

Applicant Address: North end of Gaoxin No.7 Road, The High-Tech Industrial Zone, Ankang Shaanxi, China

Issued By: Hwa-Hsing (Dongguan) Testing Co., Ltd.

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Test Location: No.101, Bld N1, Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China

FCC Designation

Number: CN1255

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1

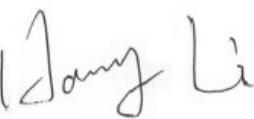
The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the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

Prepared by :


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Date: May 05, 2019

Approved by :


Harry Li/ Supervisor

Date: May 07, 2019

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Table of contents

Release control record	3
2. MPE calculation formula	4
3. Classification.....	4
4. Calculation result of maximum conducted power.....	4

Release control record

Issue No.	Reason for change	Date issued
HP190411KF01-FMP	Original release	May 07, 2019

1. RF exposure limit

Limits for maximum permissible exposure (MPE)

Limits for general population / uncontrolled exposure				
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Average time (minutes)
300-1500	F/1500	30
1500-100,000	1.0	30

Note: F = Frequency in MHz

2. MPE calculation formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

Where:

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

3. Calculation result of maximum conducted power

Classification: The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as [Mobile Device](#).

The antennas provided to the EUT, please refer to the following table:

Frequency Band	Antenna Gain (dBi)	Antenna Type
2.4GHz Bluetooth	-0.58	PCB Antenna

Frequency band (MHz)	Max power (mW)	Antenna gain (dBi)	Distance (cm)	Power density (mW/cm ²)	Limit (mW/cm ²)
2400~2483.5MHz	1.592	-0.58	20	0.000298	1.0

Conclusion:

Therefore, the worst-case situation is 0.000298 mW/cm², which is less than "1". This confirmed that the device compliance with FCC 1.1310 MPE limit.