

RF Exposure report

Report no.: HQ200409EL03-FI

Applicant name: ANKANG COMATE TECH CO.,LTD

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

FCC ID: 2ASKIMM444BT

Product name 3-PIECE CD SHELF SYSTEM with Digital PLL FM Stereo Radio and
Bluetooth® Wireless Technology

Product name: MAGNAVOX

Test model: MM444BT

Series model: CM444BT; CM0300BT; CM-444;

Received date: Apr. 18, 2020

Test date: Apr. 19, 2020~May 24, 2020

Issued date: Jun. 12, 2020

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

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

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); IEEE C95.1; KDB 447498 D01;

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 : _____



Tank Tan//Engineer

Date: _____

Jun. 12, 2020

Approved by : _____



Harry Li/ Supervisor

Date: _____

Jun. 12, 2020

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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
HQ200409EL03-ME	Original release	Jun. 12, 2020

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

$$Pd = (Pout * G) / (4 * pi * r^2)$$

Where:

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 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	1.396	-0.58	20	2.4307e-4	1.0

Conclusion:

Therefore, the worst-case situation is 2.4307e-4mW/cm², which is less than "1". This confirmed that the device compliance with FCC 1.1310 MPE limit.