



## MPE Test Report

**Report No.:** ABGL-19JY3406VTSHPB-3

**FCC ID:** 2AURD-D008

**Product:** BLUETOOTH AROMATHERAPY DIFFUSER

**Model:** D008

**Received Date:** Jul.30, 2019

**Test Date:** Aug.1 to Aug.12, 2019

**Issued Date:** Sept.12, 2019

**Applicant:** AROMA & CLEANING PRODUCTS LIMITED

**Address:** ROOM 911, BLDG A, Yin Yi Cptl Int, No.535 Youngor Road, Haishu, Ningbo, China

**Manufacturer:** Ningbo Powerwell Daily Chemical Products Co., Ltd

**Address:** Binhai Industrial Area,Xidian Town,Ninghai County,Ningbo Zhejiang 315000,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
ABGL-19JY3406VTSHPB-3	Original release	Sept.12, 2019



## 1 Certificate of Conformity

**Product:** BLUETOOTH AROMATHERAPY DIFFUSER

**Brand:** --

**Model:** D008

**Applicant:** AROMA & CLEANING PRODUCTS LIMITED

**Test Date:** Aug.01 to Aug.12, 2019

**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:**

Sept.12, 2019

Will YAN

Project Engineer

**Approved by :**



Daniel SUN  
RF Supervisor

**, Date:**

Sept.12, 2019

## 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 <sup>2</sup> )	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<sup>2</sup>

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 <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
BT-EDR					
2402-2480	-2.26	0.50	20	0.0001327	1
BLE 4.1					
2402-2480	2.57	0.50	20	0.0004036	1

### Conclusion:

The calculation result of MPE is less than the limit.

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