

RF Exposure Report

Report No.: SA140904D01A

FCC ID: R48V5BT14

Test Model: V5BT14

Received Date: Jan. 27, 2015

Test Date: Mar. 10 ~ 11, 2015

Issued Date: Mar. 16, 2015

Applicant: Meiloon Industrial Co., Ltd.

Address: No. 77, Lane 1775, Chuen-Ryh Road, Taoyuan City 330 Taiwan.

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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(R.O.C.)

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Table of Contents

Release Control Record.....	3
1 Certificate of Conformity.....	4
2 RF Exposure	5
2.1 Limits For Maximum Permissible Exposure (MPE).....	5
2.2 Mpe Calculation Formula.....	5
2.3 Classification.....	5
3 Calculation Result Of Maximum Conducted Power	6



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Release Control Record

Issue No.	Description	Date Issued
SA140904D01A	Original release.	Mar. 16, 2015

1 Certificate of Conformity

Product: Bluetooth Speaker

Brand: WREN

Test Model: V5BT14

Sample Status: Engineering sample

Applicant: Meiloon Industrial Co., Ltd.

Test Date: Mar. 10 ~ 11, 2015

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D03

IEEE C95.1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, 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: Mar. 16, 2015

Jessica Cheng / Senior Specialist

Approved by :



Date: Mar. 16, 2015

Rex Lai / Assistant 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				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

2.2 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

2.3 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**.

3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2402 ~ 2480	-1.67	-0.29	20	0.0001	1

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