

## RF Exposure Report

**Report No.:** SA160119C31E

**FCC ID:** BYG-DMR200

**Test Model:** XRM07

**Received Date:** Apr. 07, 2016

**Test Date:** Apr. 23 ~ Apr. 29, 2016

**Issued Date:** May 03, 2016

**Applicant:** Sangean Electronics Inc.

**Address:** No. 18, Ln. 7, Lide St., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

**Test Location:** No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)



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### Release Control Record

Issue No.	Description	Date Issued
SA160119C31E	Original release.	May 03, 2016

## 1 Certificate of Conformity

**Product:** Cordless Job Site Speaker

**Brand:** Makita

**Test Model:** XRM07

**Sample Status:** Engineering sample

**Applicant:** Sangean Electronics Inc.

**Test Date:** Apr. 23 ~ Apr. 29, 2016

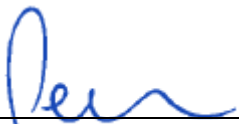
**Standards:** FCC Part 2 (Section 2.1091)

KDB Publication 447498 D01 General RF Exposure Guidance v06

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:**

May 03, 2016

Pettie Chen / Senior Specialist

**Approved by :**



**Date:**

May 03, 2016

Ken Liu / Senior 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 <sup>2</sup> )	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

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

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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 <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
Bluetooth EDR	4.15	0	20	0.00052	1
Bluetooth LE	-0.09	0	20	0.00019	1

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