RF Exposure Report

Report No.:	SA170317C31
FCC ID:	BYG-XRM08
Test Model:	XRM08
Series Model:	DMR200
Received Date:	Mar. 17, 2017
Test Date:	Mar. 31 ~ Apr. 20, 2017
Issued Date:	May 03, 2017
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
SA170317C31	Original release.	May 03, 2017

1 Certificate of Conformity

Product:	Cordless Job Site Speaker
Brand:	Makita
Test Model:	XRM08
Series Model:	DMR200
Sample Status:	Engineering sample
Applicant:	Sangean Electronics Inc.
Test Date:	Mar. 31 ~ Apr. 20, 2017
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, 2017
Pettie Chen / Senior Specialist

Approved by : _____ , **Date:** May 03, 2017
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^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/cm^2

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)
Bluetooth EDR	3.96	0	20	0.00050	1
Bluetooth LE	3.86	0	20	0.00048	1

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