

RF Exposure Report

Report No.: SA180906C10

FCC ID: 2AJCX-BOSS-MINI

Test Model: Yboss mini

Series Model: Yboss miniXX (where "Y" may be symbol and "X" may be any alphanumeric character, "-" or blank)

Received Date: Sep. 06, 2018

Test Date: Sep. 22 ~ Sep. 28, 2018

Issued Date: Oct. 11, 2018

Applicant: Carel Industries s.p.a.

Address: Via dell Industria 11 35020 Brugine (PD) Italy

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.)

FCC Registration / Designation Number: 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
SA180906C10	Original release.	Oct. 11, 2018

1 Certificate of Conformity

Product:  BOSS mini

Brand: CAREL

Test Model: Yboss mini

Series Model: Yboss miniXX (where "Y" may be symbol and "X" may be any alphanumeric character, "-" or blank)

Sample Status: Engineering sample

Applicant: Carel Industries s.p.a.

Test Date: Sep. 22 ~ Sep. 28, 2018

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 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 RF characteristics under the conditions specified in this report.

Prepared by : Suntee Liu, **Date:** Oct. 11, 2018

Suntee Liu / Specialist

Approved by : Bruce Chen, **Date:** Oct. 11, 2018

Bruce Chen / Project Engineer

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)
WLAN 2412~2462	15.40	2.89	20	0.013	1

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