

## RF Exposure Report

**Report No.:** SA180628C20 R1

**FCC ID:** 2AO7AARWM10

**Test Model:** 2856610100

**Received Date:** Jun. 28, 2018

**Test Date:** Jul. 03 ~ Jul. 09, 2018

**Issued Date:** Aug. 14, 2018

**Applicant:** Arcelik A.S. Dishwasher Plant

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

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**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
SA180628C20	Original release	Jul. 19, 2018
SA180628C20 R1	Revising Applicant information.	Aug. 14, 2018

## 1 Certificate of Conformity

**Product:** Recon WiFi Module

**Brand:** Arcelik

**Test Model:** 2856610100

**Sample Status:** Engineering sample

**Applicant:** Arcelik A.S. Dishwasher Plant

**Test Date:** Jul. 03 ~ Jul. 09, 2018

**Standards:** FCC Part 2 (Section 2.1091)  
KDB 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 RF characteristics under the conditions specified in this report.

**Prepared by :** Alice Ho , **Date:** Aug. 14, 2018  
Alice Ho / Specialist

**Approved by :** Bruce Chen , **Date:** Aug. 14, 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 <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

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

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 <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WLAN 2.4G	22.07	6.25	20	0.135	1

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