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
Address:	Organize Sanayi Bolgesi Altinordu Cad. No:5 Sincan, Ankara, Turkey
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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The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

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

Approved by : _____ , **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^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)
WLAN 2.4G	22.07	6.25	20	0.135	1

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