RF Exposure Report

Report No.: SA150721C05

FCC ID: A8J-ENSTAC

Test Model: EnStationAC

Received Date: Jul. 21, 2015

Test Date: Jul. 22 ~ Aug. 11, 2015

Issued Date: Aug. 19, 2015

Applicant: EnGenius Technologies

Address: 1580 Scenic Avenue, Costa Mesa, CA92626

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

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Release Control Record

Issue No.	Description	Date Issued
SA150721C05	Original release	Aug. 19, 2015

1 Certificate of Conformity

Product:	AC866 2x2 5GHz CPE
Brand:	EnGenius
Test Model:	EnStationAC
Sample Status:	Engineering sample
Applicant:	EnGenius Technologies
Test Date:	Jul. 22 ~ Aug. 11, 2015
Standards:	FCC Part 2 (Section 2.1091) KDB 447498 D03 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:** Aug. 19, 2015

Polly Chien / Specialist

Approved by : _____ , **Date:** Aug. 19, 2015

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 26cm 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)
5180-5240	20.77	18.51	26	0.997	1
5745-5825	19.08	18.51	26	0.676	1

Note:

5GHz: Directional gain = 15.5dBi + 10log(2) = 18.51dB.

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