RF Exposure Report

Report No.: SA170302D10

FCC ID: PD5-VCB5001LNW

Test Model: VCB-5001LN-W

Received Date: Mar. 27, 2016

Test Date: Apr. 17 ~ 25, 2017

Issued Date: Apr. 28, 2017

Applicant: Delta Networks, Inc.

Address: No.252, Shan Ying Rd., Kuei San District, Taoyuan City 33341, Taiwan

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.)

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Release Control Record

Issue No.	Description	Date Issued
SA170302D10	Original release.	Apr. 28, 2017

1 Certificate of Conformity

Product:	2.4G WiFi Module
Brand:	Delta, VidaGrid
Test Model:	VCB-5001LN-W
Sample Status:	Engineering sample
Applicant:	Delta Networks, Inc.
Test Date:	Apr. 17 ~ 25, 2017
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 EMC characteristics under the conditions specified in this report.

Prepared by : Annie Chang , **Date:** Apr. 28, 2017

Annie Chang / Senior Specialist

Approved by : Rex. Lai , **Date:** Apr. 28, 2017

Rex Lai / Assistant 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**.

2.4 Calculation Result Of Maximum Conducted Power

Max Tune Up Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
17.15	4.2	20	0.0271	1

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