

RF Exposure Report

Report No.: SA150731D07

FCC ID: PY312400216

Test Model: D6200xxxxx (The "x" in the model name can be 0 to 9, A to Z or blank, for marketing purpose)

Series Model: D6400

Received Date: Jul. 31, 2015

Test Date: Aug. 4 ~ Oct. 1, 2015

Issued Date: Oct. 1, 2015

Applicant: NETGEAR INC.

Address: 350 East Plumeria Drive, San Jose, CA 95134, USA

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

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Release Control Record

Issue No.	Description	Date Issued
SA150731D07	Original release.	Oct. 1, 2015

1 Certificate of Conformity

Product: D6200 WiFi Modem Router

Brand: NETGEAR

Test Model: D6200xxxxx (The "x" in the model name can be 0 to 9, A to Z or blank, for marketing purpose)

Series Model: D6400

Sample Status: Engineering sample

Applicant: NETGEAR INC.

Test Date: Aug. 4 ~ Oct. 1, 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 : Celia Chen , **Date:** Oct. 1, 2015
(Celia Chen / Senior Specialist)

Approved by : Rex Lai , **Date:** Oct. 1, 2015
(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/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)
5745-5825	26.17	7.34	20	0.4464	1

NOTE: Directional gain = $10 \log[(10^{4.70/20} + 10^{3.94/20})^2 / 2] + 10 \log(2) = 7.34 \text{dBi}$

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