

RF Exposure Report

Report No.: SA120420C08M

FCC ID: PY312100187

Test Model: WNDR4300

Received Date: Apr. 20, 2012

Issued Date: Dec. 24, 2015

Applicant: NETGEAR, INC.

Address: 350 East Plumeria Drive San Jose, CA 95134

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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Release Control Record

Issue No.	Description	Date Issued
SA120420C08M	Original release	Dec. 24, 2015

1 Certificate of Conformity

Product: N750 Wireless Dual Band Gigabit Router

Brand: Netgear

Test Model: WNDR4300

Sample Status: ENGINEERING SAMPLE

Applicant: NETGEAR, INC.

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 (October 23, 2015)

KDB 865664 D02 (October 23, 2015)

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 :

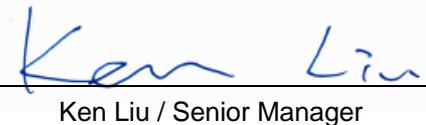


Ivy Lin / Specialist

Date:

Dec. 24, 2015

Approved by :



Ken Liu / Senior Manager

Date:

Dec. 24, 2015

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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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)
2412-2462	25.90	6.03	20	0.310	1
5180-5240	15.60	7.27	20	0.039	1
5745-5825	26.54	7.27	20	0.478	1

Note:

2.4GHz: Directional gain = 3.02dBi + 10log(2) = 6.03dBi

5.0GHz: Directional gain = 2.50dBi + 10log(3) = 7.27dBi

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