

RF EXPOSURE REPORT

 REPORT NO.:
 SA120420C08A

 MODEL NO.:
 WNDR3700v4

 FCC ID:
 PY312100186

 RECEIVED:
 Apr. 20, 2012

 TESTED:
 May 07 ~ May 23, 2012

 ISSUED:
 Jun. 04, 2012

APPLICANT: NETGEAR, INC.

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ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120420C08A	Original release	Jun. 04, 2012



1. CERTIFICATION

PRODUCT:N600 Wireless Dual Band Gigabit RouterMODEL:WNDR3700v4BRAND:NETGEARAPPLICANT:NETGEAR, INC.TESTED:May 07 ~ May 23, 2012TEST SAMPLE:ENGINEERING SAMPLESTANDARDS:FCC Part 2 (Section 2.1091)FCC OET Bulletin 65, Supplement C (01-01)IEEE C95.1

The above equipment (Model: WNDR3700v4) 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.



2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)		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**.

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm²)
2412-2462	25.9	6.03	20	0.310	1
5180-5240	16.9	5.51	20	0.035	1
5745-5825	22.2	5.51	20	0.117	1

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

NOTE:

FOR 2.4GHz: Directional gain = 3.02dBi + $10\log(2) = 6.03$ dBi FOR 5.0GHz: Directional gain = 2.50dBi + $10\log(2) = 5.51$ dBi