



RF EXPOSURE REPORT

REPORT NO.: SA111124D03

MODEL NO.: 0G02148, 0G02149, 0G02150

FCC ID: A5V-GCONNECT

RECEIVED: Nov. 24, 2011

TESTED: Nov. 30 ~ Dec. 2, 2011

ISSUED: Dec. 13, 2011

APPLICANT: HitachiGST

ADDRESS: 3403 Yerba Buena Rd. San Jose, Ca 95135

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

LAB LOCATION: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City 244, Taiwan (R.O.C.)

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA111124D03	Original release	Dec. 13, 2011



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1. CERTIFICATION

PRODUCT: WiFi NAS (G-connect)

BRAND NAME: G-technology

MODEL NO.: 0G02148, 0G02149, 0G02150

APPLICANT: HitachiGST

TEST ITEM: ENGINEERING SAMPLE

TESTED: Nov. 30 ~ Dec. 2, 2011

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment (model: 0G02148) 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.

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(Annie Chang / Senior Specialist)

APPROVED BY : Ken Liu , DATE: Dec. 13. 2011
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2. RF EXPOSURE LIMIT

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

3. 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

π = 3.1416

R = distance between observation point and center of the radiator in cm

4. 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**.



5. 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	22.3	3	20	0.0674	1.00

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