RF EXPOSURE REPORT

REPORT NO.:	SA130414C02
MODEL NO.:	BJNGA-FB0002, JG653A
FCC ID:	O9C-BJNGAFB0002
RECEIVED:	Apr. 12, 2013
TESTED:	Apr. 12 ~ May 29, 2013
ISSUED:	Jun. 03, 2013

APPLICANT:	Hewlett Packard Company
ADDRESS:	153 Taylor Street Littleton Massachusetts, United States 01460-1407

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47, 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 Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130414C02	Original release	Jun. 03, 2013

1. CERTIFICATION

PRODUCT:	HP 425 Wireless 802.11n (AM) AP
MODEL NO.:	BJNGA-FB0002, JG653A
BRAND:	HP
APPLICANT:	Hewlett Packard Company
TESTED:	Apr. 12 ~ May 29, 2013
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 2 (Section 2.1091)**
	FCC OET Bulletin 65, Supplement C (01-01)
	IEEE C95.1

The above equipment (model: BJNGA-FB0002) 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 : _____ **, DATE :** Jun. 03, 2013

Ivy Lin / Specialist

APPROVED BY : _____ **, DATE :** Jun. 03, 2013

Ken Liu / Senior 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

External antenna:

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	29.80	2.5	20	0.338	1
5180-5240	16.84	5.9	20	0.037	1
5260-5320	23.29	5.9	20	0.165	1
5500-5700	22.88	5.9	20	0.150	1
5745-5825	28.97	5.9	20	0.611	1

Internal antenna

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	29.25	4	20	0.420	1
5180-5240	16.38	5	20	0.027	1
5260-5320	19.92	5	20	0.062	1
5500-5700	20.40	5	20	0.069	1
5745-5825	27.63	5	20	0.365	1

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