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RF EXPOSURE REPORT

REPORT NO.: SA991004E05A R1

MODEL NO.: WUS-N18M

FCC ID: BOUWUSN18M

RECEIVED: Dec. 22, 2011

TESTED: Feb. 01, 2012

ISSUED: Mar. 13, 2012

APPLICANT: Philips Consumer Lifestyle

ADDRESS: 1600 Summer Street, Stamford, CT 06905

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

LAB ADDRESS: No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen,
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA991004E05A	Original release	Feb. 17, 2012
SA991004E05A R1	Modified the address of the applicant.	Mar. 13, 2012



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1.CERTIFICATION

PRODUCT: WUS-N18M USB Wi-Fi module

BRAND NAME: Philips

MODEL NO.: WUS-N18M

TEST SAMPLE: MASS-PRODUCTION

TESTED: Feb. 01, 2012

APPLICANT: Philips Consumer Lifestyle

STANDARDS: FCC Part 2 (Section 2.1091)

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

IEEE C95.1

The above equipment (Model: WUS-N18M) 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 : Elsie Hsu, **DATE:** Mar. 13, 2012
(Elsie Hsu, Specialist)

APPROVED BY : May Chen, **DATE:** Mar. 13, 2012
(May Chen, Deputy Manager)



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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**.

Antenna type	Manufacture	Model name	Antenna Gain (dBi) (Included cable loss)	Connector type
Printed Antenna	Alpha	NA	0	NA



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5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
2412-2462	323.6	0	20	0.064	1.00

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