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RF EXPOSURE REPORT

REPORT NO.: SA110427C17

MODEL NO.: VAP2400

FCC ID: ACQ-VAP2400

RECEIVED: Apr. 27, 2011

TESTED: May 04 ~ Dec. 16, 2011

ISSUED: Dec. 22, 2011

APPLICANT: Motorola Mobility Inc.

ADDRESS: 101 Tournament Drive Horsham, PA 19044 United States

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
Original release	NA	Dec. 22, 2011



1. CERTIFICATION

PRODUCT: VAP2400 Video Access Point/Client

MODEL NO.: VAP2400

BRAND: Motorola Mobility Inc.

APPLICANT: Motorola Mobility Inc.

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: May 04 ~ Dec. 16, 2011

STANDARDS: **FCC Part 2 (Section 2.1091)**

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

IEEE C95.1

The above equipment (Model: VAP2400) 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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Ivy Lin / Specialist

APPROVED BY : Gary Chang, DATE: Dec. 22, 2011
Gary Chang / Technical Manager



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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

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

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**.



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2.4 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)
5180 ~ 5240	16.4	2	20	0.014	1.00
5260 ~ 5320	22.4	2	20	0.055	1.00
5500 ~ 5700	23.8	2	20	0.076	1.00
5745 ~ 5825	26.8	2	20	0.151	1.00