



RF EXPOSURE REPORT

REPORT NO.: SA981009L01D

MODEL NO.: 3630APC

FCC ID: ABZ89FT7632

ACCORDING: FCC Guidelines for Human Exposure
IEEE C95.1

APPLICANT: Motorola Inc.

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

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TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION.....	5
5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER	6



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	NA	Jun. 02, 2011

1. CERTIFICATION

PRODUCT: 3630APC Outdoor Connectorized Access Point
MODEL: 3630APC
BRAND: Motorola
APPLICANT: Motorola Inc.
TESTED: May 26 ~ May 30, 2011
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: **FCC Guidelines for Human Exposure**
IEEE C95.1

The above equipment (Model: 3630APC) 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 : Andrea Hsia , DATE: Jun. 02, 2011
Andrea Hsia / Specialist

APPROVED BY : Gary Chang , DATE: Jun. 02, 2011
Gary Chang / Assistant Manager

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

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

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

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 52cm away from the body of the user. Warning statement to the user for keeping at least 52cm or more separation distance with the antenna should be included in users manual.

5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FOR 3.5MHz CHANNEL BANDWIDTH:

MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
18.32	16.50	52	0.089	1.00

FOR 5.0MHz CHANNEL BANDWIDTH:

MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
19.70	16.50	52	0.123	1.00

FOR 7.0MHz CHANNEL BANDWIDTH:

MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
21.29	16.50	52	0.177	1.00

FOR 10MHz CHANNEL BANDWIDTH:

MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
22.89	16.50	52	0.256	1.00