



RF EXPOSURE REPORT

REPORT NO.: SA120917C21

MODEL NO.: VIP2500

FCC ID: ACQ-VIP2500

RECEIVED: Sep. 17, 2012

TESTED: Sep. 25 ~ Dec. 03, 2012

ISSUED: Dec. 04, 2012

APPLICANT: Motorola Mobility, LLC.

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United States

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

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120917C21	Original release	Dec. 04, 2012

1. CERTIFICATION

PRODUCT: VIP2500 set top box
MODEL: VIP2500
BRAND: Motorola
APPLICANT: Motorola Mobility, LLC.
TESTED: Jan. 18 ~ Jan. 20, 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: VIP2500) 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 : Celine Chou , **DATE** : Dec. 04, 2012
Celine Chou / Specialist

APPROVED BY : Ken Liu , **DATE** : Dec. 04, 2012
Ken Liu / 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

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

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

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

Frequency Band (MHz)	Conducted power (dBm)	Antenna Gain (dBi)	Power Density (mW/cm ²)	Limit (mW/cm ²)
5180~5240	16.94	3.11	0.020	1
5260~5320	23.33	3.11	0.088	1
5500~5700	23.40	3.81	0.105	1
5745~5825	27.14	3.41	0.226	1

NOTE: 5180 ~ 5240MHz and 5260 ~ 5320MHz: Directional gain = 0.1dBi + 10log(2) = 3.11dBi.

5500 ~ 5700MHz: Directional gain = 0.8dBi + 10log(2) = 3.81dBi.

5745 ~ 5825MHz: Directional gain = 0.4dBi + 10log(2) = 3.41dBi.