



RF EXPOSURE REPORT

REPORT NO.: SA121002C10A

MODEL NO.: U3500

FCC ID: XHZU3500

RECEIVED: Oct. 02, 2012

TESTED: Oct. 05 ~ Oct. 06, 2012

ISSUED: Oct. 22, 2012

APPLICANT: Longsung Technology(Shanghai) Co.Ltd

ADDRESS: Building 5, 299 Bisheng Rd., Zhangjiang Hi-tech Park, Pudong, Shanghai 201204 P.R.China

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
SA121002C10A	Original release	Oct. 22, 2012



1. CERTIFICATION

PRODUCT: Module
MODEL: U3500
BRAND: LongSung
APPLICANT: Longsung Technology(Shanghai) Co.Ltd
TESTED: Oct. 05 ~ Oct. 06, 2012
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: U3500) 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 : Oct. 22, 2012
Andrea Hsia / Specialist

APPROVED BY : Anderson Chiu , DATE : Oct. 22, 2012
Anderson Chiu / Senior Engineer

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)	ERP (dBm)	EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
GSM: 824.2MHz ~ 848.8MHz	26.86	29.01	20	0.158	0.549
GPRS: 824.2MHz ~ 848.8MHz	21.16	23.31	20	0.043	0.550
WCDMA: 826.4MHz ~ 846.6MHz	16.70	18.85	20	0.015	0.551

FREQUENCY BAND (MHz)	EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
GSM: 1850.2MHz ~ 1909.8MHz	25.68	20	0.074	1
GPRS: 1850.2MHz ~ 1909.8MHz	22.28	20	0.034	1