RF EXPOSURE REPORT

REPORT NO.: SA120522C25 R1

MODEL NO.: U1 Lite

FCC ID: RLS-STAVL1213

RECEIVED: May 22, 2012

TESTED: Jul. 27 ~ Jul. 30, 2012

ISSUED: Aug. 21, 2012

APPLICANT: SYSTEMS & TECHNOLOGY CORP.

ADDRESS: 18-5F, No. 79, Hsin Tai Wu Road, Sec. 1, Hsichih District, New Taipei City, Taiwan, R.O.C.

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
SA120522C25	Original release	Aug. 09, 2012
SA120522C25 R1	Changed model	Aug. 21, 2012

1. CERTIFICATION

PRODUCT: GPS Vehicle Tracking Device

MODEL NO.: U1 Lite

BRAND: CAREU

APPLICANT: SYSTEMS & TECHNOLOGY CORP.

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: Jul. 27 ~ Jul. 30, 2012

STANDARDS: **FCC Part 2 (Section 2.1091)**
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: U1 Lite) 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 : _____ , DATE : Aug. 21, 2012
Pettie Chen / Senior Specialist

APPROVED BY : _____ , DATE : Aug. 21, 2012
Gary Chang / Technical 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

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 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	25.21	27.36	20	0.108	0.549
GPRS: 824.2MHz ~ 848.8MHz	24.85	27.00	20	0.100	0.549

FREQUENCY BAND (MHz)	EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
GSM: 1850.2MHz ~ 1909.8MHz	23.34	20	0.043	1
GPRS: 1850.2MHz ~ 1909.8MHz	23.00	20	0.040	1