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RF EXPOSURE REPORT

REPORT NO.: SA130826C37

MODEL NO.: UNA-P3/UNA-L3

FCC ID: IXM-UNA-P3

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APPLICANT: Universal Scientific Industrial Co., Ltd.

ADDRESS: 141, Lane 351, Sec. 1, Taiping Road., Tsautuen,
Nantou 54261, Taiwan

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
SA130826C37	Original release	Nov. 01, 2013



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1. CERTIFICATION

PRODUCT: 3G Module
MODEL NO.: UNA-P3/UNA-L3
BRAND: Universal Global Scientific Industrial Co., Ltd.
APPLICANT: Universal Scientific Industrial Co., Ltd.
TEST SAMPLE: Production Unit
STANDARDS: **FCC Part 2 (Section 2.1091)**
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (model: UNA-P3/UNA-L3) 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 : Evonne Liu , **DATE :** Nov. 01, 2013
Evonne Liu / Specialist

APPROVED BY : Roy Wu , **DATE :** Nov. 01, 2013
Roy Wu / 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

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

where

Pd = power density in mW/cm²

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**.



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2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

Frequency BAND (MHz)	Operating Mode	Maximum Conducted (dBm)		Antenna Gain (dBi)	E.I.R.P. (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)
		Burst Avg. power	Time Avg. power				
GSM 850	GPRS 12	30.00	27.00	2	792.45	0.16	0.55
GSM1900	GPRS 12	27.00	24.00	2	397.16	0.08	1.00

Frequency band (MHz)	Conducted Avg. power (dBm)	Antenna Gain (dBi)	E.I.R.P. (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)
WCDMA Band II	24.00	2	251.19	0.08	1.00
WCDMA Band V	24.00	2	251.19	0.08	0.55