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RF EXPOSURE REPORT

REPORT NO.: SA130527C07B

MODEL NO.: Messi-V

FCC ID: IXMMESSI-V

RECEIVED: Jul. 08, 2013

ISSUED: Jul. 22, 2013

APPLICANT: Universal Scientific Industrial Co., Ltd.

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

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TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei
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A D T

TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1. CERTIFICATION	4
2. RF EXPOSURE	5
2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)	5
2.2 MPE calculation Formula	5
2.3 Classification	5
2.4 calculation result of maximum conducted power	5



A D T

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130527C07B	Original release	Jul. 22, 2013



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1. CERTIFICATION

PRODUCT: LTE Module
MODEL NO.: Messi-V
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: Messi-V) 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 : Vera Huang , **DATE :** Jul. 22, 2013
Vera Huang / Specialist

APPROVED BY : Gordon Lin , **DATE :** Jul. 22, 2013
Gordon Lin / Assistant 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/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**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

Frequency Band (MHz)	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	E.I.R.P. (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)
LTE Band 13	24.0	0.59	287.74	0.057	0.52
LTE Band 4	24.0	1.34	341.98	0.068	1.00