RF EXPOSURE REPORT

REPORT NO.:	SA140527E04A
MODEL NO.:	KT-6101
FCC ID:	2ACEXKT6101
RECEIVED:	June 13, 2014
TESTED:	June 13, 2014
ISSUED:	Sep. 29, 2014

APPLICANT:	Keystone Microtech Corporation
ADDRESS:	9F., No.255 Dong Sec. 1, Guangming 6th Rd., Jhubei City, Hsinchu County 302

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
LAB ADDRESS:	No. 81-1, Lu Liao Keng, 9th Ling,Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan, R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by any government agencies.

TABLE OF CONTENTS

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140527E04A	Original release	Sep. 29, 2014

1. CERTIFICATION

PRODUCT:	Smart I/O
BRAND NAME:	Keystone Microtech Corporation
MODEL NO.:	KT-6101
TEST SAMPLE:	MASS-PRODUCTION
APPLICANT:	Keystone Microtech Corporation
TESTED DATE:	June 13, 2014
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D03
	IEEE C95.1

The above equipment (Model: KT-6101) 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:** *Sep. 29, 2014*

(Claire Kuan, Specialist)

APPROVED BY : _____ , **DATE:** *Sep. 29, 2014*

(May Chen, Manager)

2. RF EXPOSURE LIMIT

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

3. 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

4. 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**.

5. ANTENNA GAIN

The antenna provided to the EUT, please refer to the following table:

Antenna NO.	Antenna Type	Antenna Connector	Antenna Gain(dBi) Including cable loss	Frequency range (MHz)
AT3216-B2R7HAAT	chip	NA	-2.6	2400~2500

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The maximum conducted power was refer to the radio test report (Report No.: RF140527E04).

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412 - 2462	279.254	-2.6	20	0.03053	1.00

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