

# RF EXPOSURE REPORT

**REPORT NO.:** SA140612E04A

**MODEL NO.:** KT-6160

**FCC ID:** 2ACEXKT6160

**RECEIVED:** June 12, 2014

**TESTED:** July 01, 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

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R.O.C.

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140612E04A	Original release	Sep. 29, 2014




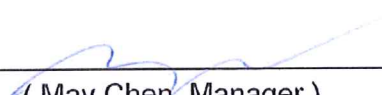
A D T

## 1. CERTIFICATION

**PRODUCT:** EZ-Extender  
**BRAND NAME:** Keystone Microtech Corporation  
**MODEL NO.:** KT-6160  
**TEST SAMPLE:** MASS-PRODUCTION  
**APPLICANT:** Keystone Microtech Corporation  
**TESTED DATE:** July 01, 2014  
**STANDARDS:** FCC Part 2 (Section 2.1091)  
KDB 447498 D03  
IEEE C95.1

The above equipment (Model: KT-6160) 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  
( Elsie Hsu, 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 <sup>2</sup> )	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

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

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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:

Manufacture	Model name	Antenna Gain(dBi) Including cable loss	Antenna Type	Connector Type	Frequency range (MHz to MHz)
Keystone	F1B_00340 4-MMP	2	Dipole	SMA	2400~2500

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The maximum conducted power was refer to the radio test report  
(Report No.: RF140612E04).

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2407 - 2477	12.050	2	20	0.0038	1.00

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