FCC TEST REPORT

for

Shenzhen Rikomagic Tech Corp., Ltd.

Android 4.1 mini pc

Model Number: MK802IV; MK802IVS

FCC ID: PV2MK802IV

Prepared for	:	Shenzhen Rikomagic Tech Corp., Ltd.
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Report No.	:	13KWE06668F
Date of Test	:	Jun. 13, 2013
Date of Report	:	Jun. 16, 2013

Keyway Testing Technology Co., Ltd.

Applicant: **Address:**	Shenzhen Rikomagic Tech Corp., Ltd. 2F,Liangshi Building Qi'an Road 6# Shajing Street Bao'an Shenzhen, Guangdong, China		
Manufacturer: **Address:**	Shenzhen Rikomagic Tech Corp., Ltd. 2F,Liangshi Building Qi'an Road 6# Shajing Street Bao'an Shenzhen, Guangdong, China		
E.U.T:	Android 4.1 mini pc		
Model Number:	MK802IV; MK802IVS		
Trade Name:	RKM	**Serial No.:**	------
Date of Receipt:	Jun. 12, 2013	**Date of Test:**	Jun. 13, 2013
Test Specification:	FCC Part 15, Subpart C: Oct. 1, 2010 ANSI C63.4:2009 KDB558074		
Test Result:	The equipment under test was found to be compliance with the requirements of the standards applied. **Issue Date: Jun. 16, 2013**		

Tested by:	Reviewed by:	Approved by:
Andy Gao / Engineer	Jade Yang/ Supervisor	Chris Du / Manager

Other Aspects:

None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Keyway Testing Technology Co., Ltd.

1. RF EXPOSURE EVALUATION

1.1. Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*($900/f^2$)	6
30–300	61.4	0.163	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*($180/f^2$)	30
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

f = frequency in MHz

Friis transmission 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

Pd id the limit of MPE, 1 mW/cm^2. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

1.3. Test Result of RF Exposure Evaluation

	Channel Frequency (MHz)	**Output power to antenna (mW)**	**Power Density at R=20cm (mW/cm^2)**	**Limit (mW/cm^2)**	**Result**
802.11b	2412	26.363	0.0158	1.0	Pass
	2437	25.645	0.0154	1.0	Pass
	2462	25.763	0.0154	1.0	Pass
802.11g	2412	26.607	0.0159	1.0	Pass
	2437	26.122	0.0156	1.0	Pass
	2462	25.003	0.0150	1.0	Pass
802.11n (HT20)	2412	25.235	0.0151	1.0	Pass
	2437	24.210	0.0145	1.0	Pass
	2462	22.284	0.0133	1.0	Pass
802.11n (HT40)	2422	25.468	0.0153	1.0	Pass
	2437	21.281	0.0127	1.0	Pass
	2452	20.464	0.0123	1.0	Pass