

FCC TEST REPORT

for

Shenzhen Rikomagic Tech Corp., Ltd.

Android 4.1 mini pc

Model Number: MK802IV; MK802IVS

FCC ID: PV2MK802IV

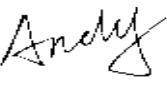
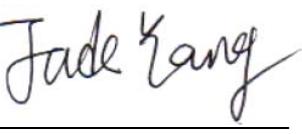
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Report No. : 13KWE06668F
Date of Test : Jun. 13, 2013
Date of Report : Jun. 16, 2013

Keyway Testing Technology Co., Ltd.

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| Applicant: | Shenzhen Rikomagic Tech Corp., Ltd. 2F,Liangshi Building Qi'an Road 6# Shajing Street Bao'an Shenzhen, Guangdong, China | | |
| Manufacturer: | 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 | | | |
| <i>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.</i> | | | |

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

Where

P_d = power density in mW/cm², **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

P_d is the limit of MPE, 1 mW/cm². 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 |
| | 2412 | 26.607 | 0.0159 | 1.0 | Pass |
| 802.11g | 2437 | 26.122 | 0.0156 | 1.0 | Pass |
| | 2462 | 25.003 | 0.0150 | 1.0 | Pass |
| | 2412 | 25.235 | 0.0151 | 1.0 | Pass |
| 802.11n (HT20) | 2437 | 24.210 | 0.0145 | 1.0 | Pass |
| | 2462 | 22.284 | 0.0133 | 1.0 | Pass |
| | 2422 | 25.468 | 0.0153 | 1.0 | Pass |
| 802.11n (HT40) | 2437 | 21.281 | 0.0127 | 1.0 | Pass |
| | 2452 | 20.464 | 0.0123 | 1.0 | Pass |
| | | | | | |