

FCC Part 15.247 Transmitter Certification

Direct Sequence Spread Spectrum Transmitter

Test Report

FCC ID: UID-WRMTM5

FCC Rule Part: 15.247

ACS Report Number: 06-0200-15C

Manufacturer: Sercomm
Applicant: ARRIS International, Inc.

Model: TM552 WRM

Installation Guide



TM552 WRM INSTALLATION GUIDE

WORKING INSTRUCTION

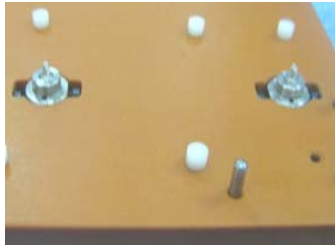
組裝段

作業名稱：鎖主板

主件料號：80-BETNGN-00P

機種別/版本 MODEL NAME/REV.	站別/站數 Station NO.	作業人數 Person	安全防護 Safety Protection	文件編號 Doc. NO.	文件版本 Doc. Rev.	發行日期 Issue Date	擬案 Prepared	機構會簽 Approved2	製造組長會簽 Approved2	核准 Approved1
TM552 WRM	2/12	1	wear ESD gloves and wrist strap, button sleeves	M3-701-C06VPA023	REV02	2006/9/6	Laurie Wang			

1. Confirm 5M checklist before assembly: 5M(manpower, machine, material, method, measurement), any abnormal, please inform the line leader.
2. Take two screws and check if any damages on the them. If not, put the two screws onto the fixture with screw head down. (Photo 1)
3. Put the motherboard on the fixture. Let two screws on the fixture already go through the through holes of the motherboard. (Photo 2)



Put the 2 screws with screw head down on the fixture

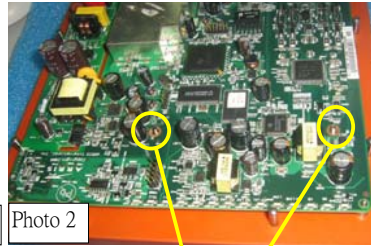


Photo 1

Photo 2



4. Take two metal stand offs and make sure there is no damage on them. If so, put the metal stand offs onto the two screws and use hex driver to fasten them. (Photo 3)
5. Confirm 5S checklist after operate, any abnormal inform line leader.

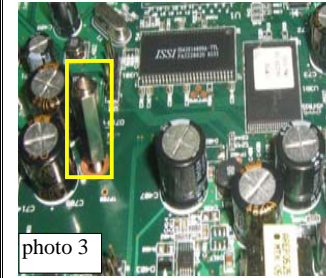


photo 3

料號 Part NO.	品名 Description	數量 QT	耗材(品名/料號/規格) Consumers	治工具(品名/料號/規格) Fixture & Tools
13GMAPXD050W	screw	2		Assembly fixture
13GB4710M510-1	metal stand off	2		Hex driver (Torque: 2.8 ± 0.2kg.f*cm, #5 driver head)



工作指導書 WORKING INSTRUCTION

組裝段

作業名稱：組裝网卡&主板

主件料號：80-BETNGN-00P

機種別/版本 MODEL NAME/REV.	站別/站數 Station NO.	作業人數 Person	安全防護 Safety Protection	文件編號 Doc. NO.	文件版本 Doc. Rev.	發行日期 Issue Date	擬案 Prepared	機構會簽 Approved2	製造組長會簽 Approved2	核准 Approved1
TM552 WRM	3/12	1	wear ESD gloves and wrist strap,button sleeves	M3-701-C06VPA023	REV02	2006/9/6	Laurie Wang			

1. Confirm 5M checklist before assembly: 5M (manpower, machine, material, method, measurement), if any abnormal, please inform the line leader.
2. Take WRM and check whether any missing or scratch on the WRM to make sure the pins of LAN JACK, antenna connector & reset button are good. Also make sure that solder side is not scratched or the WRM FW and S/N label is legible, if anything defect, just put it into defect box.
3. Take 1 plastic stand off and inspect it to make sure no bending and no scratched. And then, fasten the small foot of the plastic stand off to the bottom side of WRM (Photo 1)
4. Get the WRM and carefully aim at the 2x 12 pin holes to the pin header (location on P601) on the mother board and then plug the pins into the holes.

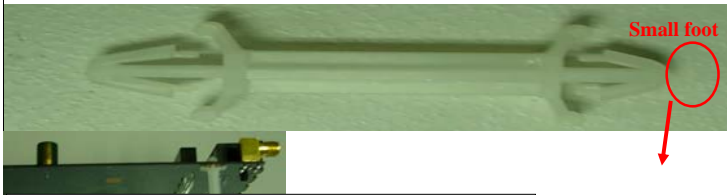


Photo 1

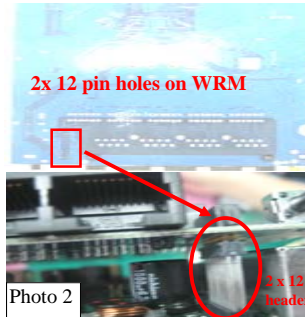
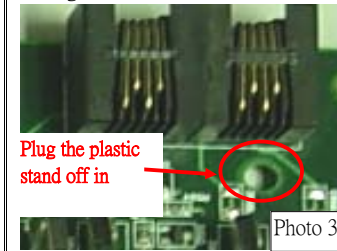
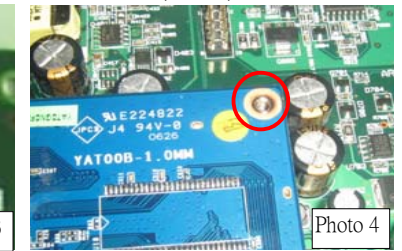


Photo 2

5. Click the other end of plastic stand off to the through hole near RJ-11 on the mother board (photo 3).
6. Align the PTH of the WRM with the two metal stand offs.(Photo 4)



Plug the plastic stand off in



7. Check whether the plastic stand was opposite after inserting. Check method:
 - (1) VI the size of plastic stand's two ends
 - (2) Whether end is loose when plastic stand off is plugged to WRM and to mother board, it shows it's plugged upside down.

料號 Part NO.	品名 Description	數量 QT	耗材(品名/料號/規格) Consumers	治工具(品名/料號/規格) Fixture & Tools
13GB4710P560-1	plastic stand off	1		



工作指導書 WORKING INSTRUCTION

組裝段

作業名稱：鎖网卡&主板

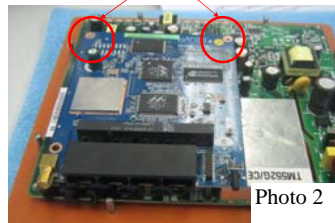
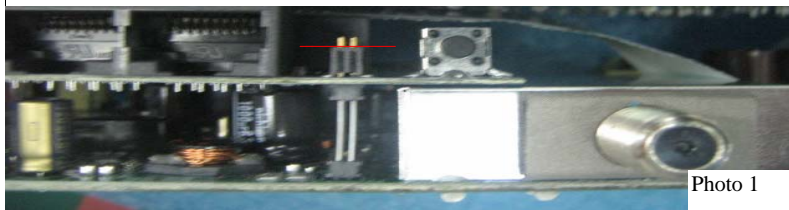
主件料號：80-BETNGN-00P

機種別/版本 MODEL NAME/REV.	站別/站數 Station NO.	作業人數 Person	安全防護 Safety Protection	文件編號 Doc. NO.	文件版本 Doc. Rev.	發行日期 Issue Date	擬案 Prepared	機構會簽 Approved2	製造組長會簽 Approved2	核准 Approved1
TM552 WRM	4/12	1	wear ESD gloves and wrist strap,button sleeves	M3-701-C06VPA023	REV02	2006/9/6	Laurie Wang			

1. Confirm 5M checklist before assembly: 5M (manpower, machine, material, method, measurement), if any abnormal, please inform the line leader.
2. Take the assembled WRM and mother board from the production line, check whether the plastic stand off is clipped good, the 2x12 pins are plugged good (all the pins need to go through the holes.) (Photo 1)
3. Get two screws and put them to the PTH of the WRM. Use electric screw driver to fasten the screws. (Photo 2)

4. Modify the torque value of electric screw driver before operating.
5. Put the locked board on the production line.
6. Confirm 5S checklist after operate, any abnormal inform line leader.

fasten screws on



料號 Part NO.	品名 Description	數量 QT	耗材(品名/料號/規格) Consumers	治工具(品名/料號/規格) Fixture & Tools
13GMAPXD050W	screw	2		assembly fixture
04G030002100	WRM	1		electric screw driver (torque:2.8 ± 0.2kg.f*cm.#1 screw driver head)

NOTICE TO USER

FCC Class B:

"NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help."

Warning: Changes or modifications to this device not expressly approved by **ARRIS International, Inc.** could void the user's authority to operate the equipment.

RF Exposure

In accordance with FCC requirements of human exposure to radiofrequency fields, the radiating element shall be installed such that a minimum separation distance of 20cm shall be maintained from the user and/or general population

IC:

This Class **B** digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operator is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe **B** répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.

NOTES:

1

This device has been designed to operate with the antennas listed below, and having a maximum gain of 1.8dBi. Antennas not included in this list or having a gain greater than 1.8dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms.

2

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication. The approved antennas used with this device are 1. C147-510023-A and 2. C66-510003-A.