



WARNING INSTALLERS! This device must be installed so that while this device is in operation, a separation distance of at least 20 centimeters must be maintained between radiating antennas and the body of the user or nearby persons in order to meet the FCC RF exposure guidelines.

Appendix A : Installation Checklist

The following checklist provides a summary of the procedures for installing a MR703D system:

| Step | Item/ Action | Description | ◆ |
|------|--|---|---|
| 1 | MR703D Site Drawing | <i>Master copy of the site plan noting the MR703D location and serial number, and the location of the indoor coverage antenna(s)). This should characterize the design parameters for the system including cable paths and lengths.</i> | |
| 2 | Equipment List: | Quantity: | |
| | MR703D™ | | |
| | AC Power Outlet | | |
| | Coverage Antenna* | | |
| | Donor Antenna | | |
| | 50-ohm Donor Antenna Cable | | |
| | 50-ohm Donor Jumper* | | |
| | 50-ohm Coverage Antenna Cable | | |
| 3 | Installation tools: | | |
| | Cable connector Tools* | <i>Crimper, knife, etc.</i> | |
| | Multimeter | <i>To ensure no cable shorts.</i> | |
| | Handset with Power Indicator | <i>To verify coverage after commissioning.</i> | |
| 4 | Calculate RF Output Power (ERP) at antennas for FCC RF exposure compliance.. | <i>Installer must verify that the Output Power at the antennas is less than 3W ERP, this must include cable loss and antenna gain. For additional information, contact Mikom technical support at (800)-800-7465</i> | |
| 5 | Run Cable | <i>Install Cable in the site.</i> | |
| 6 | Attach Connectors* | <i>Measure across center pin and outer shell (ground) to ensure no short.</i> | |
| 7 | Verify “Donor and CoverageAntennas ” locations are consistant with RF exposure warning (see above and below). | <i>Be sure to record the antennas location status for future reference.</i> | |
| 8 | Record Serial Numbers and Locations on site Drawing. | <i>Note: this is to aid the Mikom Technical Support Specialists, should you need their assistance.</i> | |
| 9 | Mount the Equipment | <i>Including indoor coverage antennas for metal case models.</i> | |
| 10 | Connect the 50-ohm Cables as shown on the Site Plan | <i>Use caution when connecting semi-flexible cables to the mounted MR703D and antennas. Excessive force on antenna or MR703D connectors will result in serious equipment damage.</i> | |
| 11 | Supply AC Power, and commission the System. | <i>Check the MR703D status as described in previous section .</i> | |
| 12 | Check Power Levels | <i>Check power indication of handheld mobile at various locations within the coverage area.</i> | |

* As Required



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