

### FCC Certification - 900 MHz, 1 Watt Radio

#### FCC Certification

The DX80 Module complies with Part 15 of the FCC rules and regulations.

**FCC ID: UE3RM1809** This device complies with Part 15 of the FCC Rules. Operation 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.

#### FCC Notices

**IMPORTANT:** The DX80 Modules have been certified by the FCC for use with other products without any further certification (as per FCC section 2.1091). Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**IMPORTANT:** The DX80 Modules have been certified for fixed base station and mobile applications. If modules will be used for portable applications, the device must undergo SAR testing.

**IMPORTANT:** If integrated into another product, the FCC ID label must be visible through a window on the final device or it must be visible when an access panel, door, or cover is easily removed. If not, a second label must be placed on the outside of the final device that contains the following text: **Contains FCC ID: UE3RM1809.**

#### 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 receiving module,
- Connect the equipment into an outlet on a circuit different from that to which the receiving module is connected, and/or
- Consult the dealer or an experienced radio/TV technician for help.

**Antenna Warning WARNING:** This device has been tested with Reverse Polarity SMA connectors with the antennas listed in Table 1 Appendix A. When integrated into OEM products, fixed antennas require installation preventing end-users from replacing them with non-approved antennas. Antennas not listed in the tables must be tested to comply with FCC Section 15.203 (unique antenna connectors) and Section 15.247 (emissions).

#### FCC-Approved Antennas

**WARNING:** This equipment is approved only for mobile and base station transmitting devices. Antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

DX80 Module may be used only with Approved Antennas that have been tested with this module.

Part Number	Antenna Type	Maximum Gain	Maximum Power Setting
—	Integral antenna	Unity gain	+30 dBm
BWA-901-x	Omni, 1/4 wave dipole	≤2 dBi	+30 dBm
BWA-902-C	Omni, 1/2 wave dipole, Swivel	≤2 dBi	+30 dBm
BWA-906-A	Omni Wideband, Fiberglass Radome	≤8.2 dBi	+27.8 dBm
BWA-905-B	Omni Base Whip	≤7.2 dBi	+28.8 dBm
BWA-9Y10-A	Yagi	≤10 dBi	+26 dBm

**Table 1. Type certified Antenna**