

# INSTALLATION INSTRUCTIONS

## EM-A11015 & EM-A11016

### Multi-Band/Broadband Low Profile Antenna

#### 902-928 MHz

*Congratulations on your selection of another quality antenna product from E/M Wave.*

*E/M Wave is committed to continually provide the greatest antenna VALUE for your wireless applications.*

1. **Parts:** Verify all parts are included with the Antenna as shown in Figure 1.
  - a. Antenna
  - b. Lock Washer
  - c. 19mm Hex Nut



Figure 1

2. **Tools:**
  - a. 3/4 inch (19mm) open end wrench
  - b. 5/8 inch drill bit or hole punch

### 3. Pre-Installation:

- a. The EM-A11015 / EM-A11016 antenna is designed for installation through a standard 5/8 inch clearance hole or an anti-rotation 5/8 inch Double "D" punched hole.
- b. **IMPORTANT:** Clearance hole is punched through the mounting plane or bulkhead surface up to a maximum of ¼ inch (6.35mm) thickness.
- c. For best electrical performance, the metallic ground plane surface diameter should be approximately 12 inches (305mm) or greater.
- d. Verify that the surface surrounding the mounting hole is clean and smooth to provide proper seal between the silicone compression pad and mounting surface.

### 4. Installation:

- a. Remove hex nut and lock washer from the N-jack mounting stud.
- b. Insert N-jack mounting stud through the mounting hole from top side surface.
- c. From the bottom side of the mounting surface, slide lock washer and thread hex nut over the N-jack mounting stud. Apply firm torque to hex nut until sealing pad is completely compressed between mounting surface and antenna base.
- d. Attach feed cable with N-Type male connector (sold separately), and route to the radio transceiver.