

## **TECHNICAL NOTE # 400**

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### **PAINTING OF RADOMES ON MICROWAVE SENSORS**

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If it is desirable to change the color of the radomes on Southwest Microwave equipment, it can be done using any type of paint provided it is not lead based or metal flake.

Do not use dark colors such as black or dark blue. Dark paints tend to have a higher carbon content that will attenuate the microwave signal.

- Use “DUPLI-COLOR” spray **ACRYLIC LACQUER**, or equivalent, available in many colors at most major auto-parts stores.
- The “DUPLI-COLOR” brand of acrylic lacquer has been tested and found to have no adverse effects on the operation of the microwave equipment.

#### **Perform the following:**

1. Remove radomes from microwave units.
2. Wash radomes with soap and water.
3. Dry radomes thoroughly.
4. Spray radomes using normal spray painting techniques. (Spray outside of radomes only.)
5. Allow radomes to dry completely.
6. Reinstall radomes on microwave units.
7. Wax face of radomes with “Turtle Wax or Turtle Clear Vinyl Top Wax”.