

## **Antenna Information**

### **Mobile Radar Antenna:**

Type: Planar Phased Array with adjustable elements, non-rotating.

Antenna Manufacturer: Lockheed Martin

Antenna Model: 77A575800G001

Gain: Variable, up to 31.5 dBi

Orientation in the Horizontal plane: 0-360°, any allowable orientation

Orientation in the vertical plane: 0° to 90° above local horizon

Polarization: Horizontal

ERP: Variable, up to 32.9MW

### **Directional Test Antenna:**

A test antenna located on a mobile tower and is proposed to be oriented in any allowable direction toward the LFS radar with the following characteristics:

Type: Log Periodic

Manufacturer: ETS Lindgren

Model: 3147 or equivalent

Gain: 6dBi

Beamwidth: 103 deg

Polarization: Horizontal

Orientation in the Horizontal plane: 0-360, any allowable orientation

Orientation in the Vertical plane: 0° to 5° pointed at the local horizon

ERP: Variable up to 10W