radio antenna specifications
(quantity 2 antennas)

transmit antenna
• 28’ high
• One 16’ vertical element located at 12’
• Four 8’ radial elements located at 12’
• Antenna mast support via guy wires

receive antenna
• 20’ high
• One 8’ vertical element located at 12’
• Four 8’ radial elements located at 12’
• Antenna mast support via guy wires

weather-proof enclosure
• Typical footprint: 36” h x 24” w x 38” d
• Requires ~1000 watts AC
• Network connection desirable

ideal installation conditions
• Close to ocean
  less than 500 feet from water’s edge
• Wide field of view (180° up to 360°)
• Area relatively clear of obstructions
  power lines, antennas, large metal objects
• AC power available

signal specifications
• Output Transmit Power: 80W peak
  40W average
• Operating Frequency: 11.5–14 MHz
• Modulation Format
  Pulsed Swept Frequency: CW
• Pulse Repetition Frequency: 1–8 kHz
• Duty Factor: 50%
• Sweep Width: 50–150 kHz (typical)
• Total Signal Bandwidth: 65–200 kHz
  (at -20dB level)
• Polarization: Vertical
• Coverage Angle: 360°