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°
radio antenna specifications
(quantity 2 antennas)

transmit antenna
• 44’ high
• Typically requires guy wire supports

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 800 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: 4.3-5.4 MHz
• Modulation Format
  Pulsed Swept Frequency: CW
• Pulse Repetition Frequency: 256-512 Hz
• Duty Factor: 50%
• Sweep Width: 12-25 kHz (typical)
• Total Signal Bandwidth: 27-40 kHz
  (at -20dB level)
• Polarization: Vertical
• Coverage Angle: 360°
radio antenna specifications
(quantity 1 antenna)

transmit/receive antenna
- One 8’ vertical element located at 12’
- Four 4’ radial elements located at 12’
- 12’ high
- 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: 24-27 MHz
- Modulation Format
  Pulsed Swept Frequency: CW
- Pulse Repetition Frequency: 4-8 kHz
- Duty Factor: 50%
- Sweep Width: 150-500 kHz (typical)
- Total Signal Bandwidth: 160-510 kHz
  (at -20dB level)
- Polarization: Vertical
- Coverage Angle: 360°