

# AGC MARINE Telecom

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## Sea Tel Model 9497

Sea Tel's Model 9497 operates in many areas around the globe and is compatible with all known and planned TV satellites. It is an extremely sensitive system especially with the enhanced pointing accuracy, stability and reliability made possible by Sea Tel's patented, 3-axis stabilization technology. Choose this antenna when you want the best TV coverage you can get but space prohibits installation of our Model 14400 antenna.

### SPECIFICATIONS

- Antenna Gain C-band: 37.5 dB at 4.0 GHz
- Antenna Gain Ku-band: 46.5 dB at 11.25 GHz
- Min. EIRP C-band: 30 - 31 dBW
- Min. EIRP Ku-band: 35 - 36 dBW
- Dish Diameter: 2.4 m; 96 in
- Radome Diameter: 3.2 m; 126 in
- Radome Baseframe: Galvanized steel; Optional Aluminum
- Antenna Stabilization: 3-axis servo
- Built-In GPS Provides Automatic Satellite Acquisition
- Ship's Motion: +/- 25° Roll or +/-20° Roll and +/- 15° Pitch
- Roll & Pitch Response Rate: Unlimited
- Azimuth Range: Unlimited turning
- Full Elevation Range: 0° to 90°
- Reception: Single C, Single Ku/C-band capability. Dual C-linear, Dual Ku-linear or circular, Dual C-band switched with Dual or Quad Ku-band linear, or simultaneous Dual C and Dual or Quad Ku-band capabilities
- RF Electronics: the proper choice of LNB's will be provided to match the ship's cruising area and satellite receiver selection.
- Ku-band: The entire frequency range for Ku-band satellite television is 10.7 to 12.75 GHz. LNBs covering this entire frequency band are available. However, this does not guarantee coverage in all areas. Proper polarization is also an issue as both linear polarizations (horizontal and vertical) and circular polarizations (left-hand and right-hand) are used, and one configuration is not compatible with the other.
- C-band: The C-band frequency range is 3.7 to 4.2 GHz worldwide. Sea Tel TV-at-Sea™ systems are delivered with C-band LNB noise temperatures of 15 to 25 degrees K. the IF frequency in all cases is 950-1450 MHz.
- Meets Navy MIL-STD-901D GRADE A shock standards and MIL-STD-461 EMI & RFI standards (including 200V/M)
- Accommodates any number of satellite receivers. Many TV sets may be installed onboard, each receiving its own programming from its satellite receiver
- Unmatched stabilization accuracy allows the system to detect the slightest motion that may affect the antenna's connection and correct as needed.
- Ready for multiple satellite selection.
- HD ready