



Cobham SATCOM
Marine Systems
Sea Tel Products
4030 Nelson Ave., Concord
California, 94520, USA
T: +1 (925) 798-7979
F: +1 (925) 798-7986


Declaration of Cobham SATCOM, Sea Tel, Inc.

1. Sea Tel designs, develops, manufactures and services marine stabilized antenna systems for satellite communications at sea. These products are in turn used by our customers as part of their Ku-band Earth Station on Vessels ("ESV") networks.
2. The Sea Tel antennas listed below will meet the off-axis EIRP spectral density envelope set forth in FCC 47 C.F.R. § 25.222(a)(1)-(4) with the following input power spectral density limitations:

- 0.6 Meter Ku limited to -21.6 dBW/4kHz.
- 1.0 Meter Ku limited to -17.9 dBW/4kHz.
- 1.24 Meter Ku limited to -15.0 dBW/4kHz.
- 1.5 Meter Ku limited to -14.0 dBW/4kHz.
- 2.4 Meter Ku limited to -14.0 dBW/4kHz.

3. The Sea Tel antennas referenced in paragraph 2 will maintain a stabilization pointing accuracy of better than 0.2 degrees under specified ship motion conditions. FCC compliant supervisory software has been developed to continuously monitor the pedestal pointing error and will trip an error flag whenever an unexpected event occurs that causes the instantaneous pointing error to exceed 0.5 degrees. This flag will not clear until the pedestal error decreases to 0.2 degrees or less. The state of this flag is used as an additional logic input to the existing "Transmit Mute" function of the Sea Tel below decks controller. By connecting the "Transmit Mute Output" of the Sea Tel below decks controller to the "Mute Input" of the satellite modem, the provisions of FCC 47 C.F.R. § 25.222(a)(7) are satisfied.
4. Sea Tel maintains all relevant test data, which is available upon request, to verify these declarations.

Executed on: 10/2/09

By: 
Peter G. Blaney
Chief Engineer, Sea Tel Products
Marine Systems, Cobham SATCOM