

Automatic Identification System

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Submitted by

Joel D. Thorsheim
The Boeing Company
Frequency Management Services MC: 2T-22
PO Box 3707
Seattle, WA 98128-2207
206-662-6066 (office)
206-662-0701 (fax)

Experimental License Justification

This license is required to support the operation of a maritime Automatic Identification System (AIS).

OBJECTIVE

Ground based transmission using an Automatic Identification System (VHF) transponder to support maintenance and testing operations and also support various government demonstrations and exercises.

TEST DESCRIPTION

Connected to an external VHF antenna and GPS antenna, the system transmits position and vessel data as well as receives information from other AIS transponders. AIS transponders use two different frequencies, VHF maritime channels 87B (161.975 MHz) and 88B (162.025 MHz).

Frequency Band: 156 - 163 MHz
Transmitter ERP: 12.5 Watts
Emission: 16K0G9W

Location: Seattle, WA
Lat/Long: 47-31-04 N 122-18-13 W
Radius: 25 Kilometers

Location: Boardman, OR
Lat/Long: 45-44-53 N 119-47-38 W
Radius: 25 Kilometers

Stop Buzzer is Daniel Sauer at phone 253-241-8021 or Joe Thorsheim at 206-544-6066.