

Furuno SN30AF & SN36AF S-Band Antennas on IMO vessels.

There have been some questions about IMO compliance for each type of array. Below is an explanation and answers to these questions:

-IMO regulations require 2.5 degree or less bearing resolution for S-Band Radar installations on non-High Speed Craft(HSC) Vessels.

-IMO regulations require 4 degree or less bearing resolution for S-Band radar installations on HSC vessels.

Even though the stated beam width of the SN30AF is 2.3 degrees, the overall bearing resolution of our S-Band radars is higher than 2.5 degrees when this array is installed. This makes the SN30AF array not compliant on a non-HSC IMO vessel. The same is also true with our older SN5AF (9 foot) S Band arrays as well.

Therefore,

1. For IMO compliance on non-HSC vessels with S-Band Radars, the SN36AF Array is required.
2. For IMO compliance on HSC Vessels with S-Band Radars, the SN30AF or the SN36AF is acceptable.

Note also that HSC S-Band is a relatively new concept for the IMO. These installations also require a high speed S-band gearbox. We have had no orders or serious requests for these systems up to this time.

If you have any other questions or concerns please contact Product Development Department at Furuno USA, Inc.

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