

## Directional Antenna Characteristics:

The Koden marine radar is connected to a 10-ft diameter dish antenna with 48 dB gain at 9.41 GHz. It will always be pointed to look horizontal, it will be directed towards the sea at all times as shown, between 245 and 330 degrees. The antenna is 14 m MSL height and have no obstacles in front of it that it can interfere. It will be installed on the ground just behind the Moss Landing Marine Lab. as shown on the map.

Is a directional antenna (other than radar) used?: **YES**

If yes, provide the following information:

i. Width of beam in degrees at the half power point:

0.7 degrees

ii. Orientation in horizontal plane (degrees from True North):

Variable (between 245-330 degrees) scanning the ocean

iii. Orientation in vertical plane (degrees from horizontal):

0 degrees



