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Federal Communications Commission  
Authorization and Evaluation Division

We hereby declare that the first revision of the Ray54 handbook has already gone to print. However, we will include an addendum sheet that includes a section stating the FCC's maximum permissible exposure (MPE) radius per OET Bulletin 65. This statement will also be included in the second revision of the handbook when it is printed. The MPE statement will read as follows:

“Raymarine declares a Maximum Permissible Exposure (MPE) Radius of 1.5 meters (per OET Bulletin 65) for this system assuming the maximum power of the radio and antennas with a maximum gain of 3dBi. Accounting for the height of an average adult (2 meters) the minimum height of the antenna above the deck to meet RF exposure compliance requirements is 3.5 meters.

For watercraft with suitable structures, an omnidirectional antenna with gain not greater than 3 dBi must be mounted a minimum of 3.5 meters vertically above the main deck and all persons on board. For watercraft without suitable structures, the antenna must be mounted so as to maintain a minimum of 1.5 meters vertically between the antenna (measured from the lowest point of the antenna), to the heads of all persons.

Do not transmit when anyone is within the MPE radius of the antenna, unless shielded from the antenna field by a grounded metallic barrier.

**WARNING:  
FAILURE TO OBSERVE THESE GUIDELINES MAY EXPOSE THOSE WITHIN  
THE MAXIMUM PERMISSIBLE EXPOSURE (MPE) RADIUS TO RF  
RADIATION ABSORPTION THAT EXCEEDS THE FCC MPE LIMIT. IT IS  
THE RADIO OPERATOR'S RESPONSIBILITY TO ENSURE THAT NO ONE  
COMES WITHIN THIS RADIUS.”**

Sincerely,

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