

Raymarine UK Ltd.

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## FEDERAL COMMUNICATIONS COMMISSIONS

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

Overall Assessment Letter for the Raymarine UK Ltd. Fixed Mount Class D

Product name: Ray 91 VHF Black Box with AIS Rx/Ray 90 VHF Black Box

Model name: R70625, R70624

FCC ID: PJ5-RAY90

We have assessed the above referenced submission and found it to be compliant. The product is a Marine VHF Radio which incorporates Class "D" Digital Selective Calling.

1. The following points were noted during the evaluation:

- Part 80.203(b), (c) and (n)
- Part 80.207 (a), (b) and (d)
- Part 80.225(a) and (c)

2. RF Exposure

The equipment subject to RF exposure assessment is a Fixed Mount VHF radio and was based upon the following criteria:

- The Fixed Mount VHF radio operates in the frequency range of 156.025MHz to 157.425MHz.
- The radio has a maximum output power of 25 Watts.
- The point of investigation is calculated to be 1.3 meter with an assumed maximum antenna gain of 3dBi.

The calculations have shown that the radio meets the General and Occupational limits shown in the FCC 47 CFR § 1.1310 Guidelines.

As a result of the review, updated internal photos showing the chassis assembly were received as well as updated test set-up photos and up-issued MPE report which includes the maximum declared antenna gain and FCC ID. The agent letter was also updated to include the names of the authorized individuals and the originally supplied similarity letter was updated to include information relating to the EU variants.

Sincerely,  
Signature:



Andrew Little  
Compliance Manager