

Training Information

This Thrane&Thrane radio RT5022 is designed for and classified as "occupational use only".

It must only be used in the course of employment by individuals aware of both the hazard and the ways to minimize those hazards.

This radio is NOT intended for use in an uncontrolled environment by the "General Population".

This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only". This VHF radio also complies with the following guidelines and standard regarding RF energy and electromagnetic energy levels as well as evaluation of those levels for human exposure:

FCC OET Bulletin 65 Supplement C, evaluating compliance with FCC guidelines for human exposure to radio frequency electromagnetic fields. American National Standards Institute (C95.1) IEEE standard for safety levels with respect to human exposure to radio frequency electromagnetic fields, 3 kHz to 300 GHz.

American National Standards Institute (C95.3) IEEE recommended practice for the measurement of potentially hazardous electromagnetic fields - RF and microwaves.

The following warnings and cautions will make you aware of RF exposure hazards and how to assure you operate the radio within the FCC RF exposure limits established for it.

Warning:

Your Thrane&Thrane radio generates electromagnetic RF (radio frequency) energy when it is transmitting. To ensure that you and those around you are not exposed to excessive amounts of that energy (beyond FCC allowable limits for occupational use):

To avoid health hazards from excessive exposure to RF energy, FCC OET Bulletin 65 establishes an MPE radius of 10' (3m) for the maximum power of your radio (25W selected) with an antenna having a maximum power gain of 9dBi. This means that all persons must be at least 10' (3m) away from the antenna when the radio is transmitting.

Installation:

- 1) An omnidirectional antenna with a gain not greater than 9dBi must be mounted at least 16.4' (5m) above the highest deck where people may be during radio transmissions, measured vertically from the lowest point of the antenna. This provides the minimum separation distance to comply with RF exposure requirements and is based on the MPE radius of 10' (3m) plus the 6.6' (2m) height of an adult.
- 2) For vessels which cannot fulfil requirements in 1) it must be mounted as follows and all persons must be outside the 10' (3m) MPE radius during radio transmissions. The antenna must

be mounted so that its lowest point is at least 3,3' (1m) vertically above the heads of all persons during radio transmissions.

- Always mount the antenna at least 10' (3m) from possible human access;
- Never touch the antenna when transmitting;
- Use only authorized T&T accessories;

Failure to observe any of these warnings may cause you to exceed FCC RF exposure limits or create other dangerous conditions.