



Research Electronics International, LLC
455 Security Drive, Cookeville, TN 38506
USA

ORION 900 FCC Usage Precautions

The ORION 900 FCC is perfectly safe to use. It is an intentional RF transmitter and the output power is within the limits specified by the FCC. As a measure of extra precaution we do provide several warnings in the user manual to help limit RF exposure to humans. One of these is a recommendation to maintain a distance of at least 28 cm between the antenna and the body of the user or nearby persons.

The nature of the way that the product is operated keeps the antenna more than 28 cm from the person operating it. It is operated similarly to a metal detector - the user holds the product using the grip on the pole with the antenna head pointed away from them. The rotational limit on the head also prevents a user from pointing the antenna back on them during use.

The picture below demonstrates that this distance is maintained during normal use.





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Here are some additional pictures depicting how this product is used to sweep an environment.



There are no safeguards that prevent the product from being used in close proximity to other people and we don't feel that this is necessary. The purpose of the precautions in the manual and the warning label on the head of the product is to alert users that it is an RF transmitter and provide guidance for limiting RF exposure. The product is intended for use by professionals and is **not** a mass market product.