

RTCM 11702.0, Standard for Portable Maritime VHF Radiotelephone Equipment Operating in High Level Electromagnetic Environments

The growth of VHF pager services, primarily in larger urban areas, has added significant content to the RF electromagnetic environment. Maritime VHF users, while navigating major port and harbors, have experienced increasingly disruptive interference in receivers thought to be resulting from nearby pager transmissions. This has resulted in a growing number of complaints from maritime users and deep concern for the safety of vessels navigating in these waterways.

This document defines a performance testing standard for installed maritime VHF radiotelephone receivers designed to maintain successful reception in the presence of high level electromagnetic environments such as those described in the Annex II to this document. Receivers meeting the RTCM test requirement should be capable of useful reception in such environments better than 95% of the time.