
Federal Communications Commission
Experimental Radio Service
P. O. Box 358320
Pittsburgh, PA 15251-5320

Subj: License Renewal

Ref: Experimental Station License
CALL SIGN: KI2XDZ
FILE NUMBER: 2040-EX-PL-91

Request is made for renewal of reference license per the attached Form 405.

Attachment I is our statement of environmental assessment designating our facility as having no radiation hazard to employees or to the public.

Attachment II details our Training activities during the past license period of 19 September 1991 through 1 July 1993.

Any questions relating to the attached application should be referred to George Kimball, Raytheon Marine Company, 46 River Road, Hudson, NH 03051-5242. Phone (603) 881-4715

Very truly yours,



Elizabeth Shipyan
FCC Coordinator
Washington Office
703-271-5800 EXT. 5837

RAYTHEON MARINE COMPANY
ENVIRONMENTAL ASSESSMENT
RF RADIATION HAZARD

700 ELM STREET
MANCHESTER, NH 03101

Raytheon Marine Company imports and sells Global Maritime Distress and Safety System (GMDSS) equipments. In an effort to support this GMDSS program, RMC provides operator and maintenance training on equipment we sell.

The JUE-45A MKII, JUE-65A and JUE-75A satellite communications systems provide the base of our GMDSS system. It is for these equipments that we train operator and maintenance personnel.

The installation and operation of this equipment is carried out by our senior GMDSS Field Engineer. The system antenna installations are properly protected from access by any unauthorized personnel. No public access is possible in the area of our operational satellite communications systems.

We have performed informal Electromagnetic Radiation testing to confirm that no radiation hazard exists outside the main beam of the satellite communications antenna. All tests indicated maximum worst case conditions of radiation are well below the ANSI/IEEE C95.1-1991 standard of $5.0\text{mw}/\text{cm}^2$.

For the above reasons, this applicant considers the granting of this license to have no significant effect upon the environment.

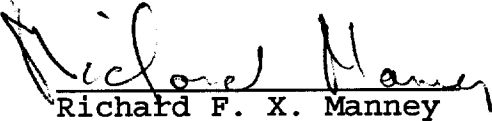

George W. Kimball
Manager, Field Engineering

ATTACHMENT I

RAYTHEON MARINE COMPANY
MANCHESTER FACILITY KI2XDZ
EXPERIMENTAL ACTIVITIES REPORT
19 SEPTEMBER 1991 - 1 JULY 1993

With the approach of the new Global Maritime Distress and Safety System (GMDSS), we are providing more maintenance/operator training as well as sales support for our satellite communications product lines. The purpose of this station is solely for providing technical maintenance training and support as well as operator training for Inmarsat Type Approved Shipboard Terminal Equipment sold and serviced by Raytheon Marine Company. This training provides our customers with not only well qualified service but also knowledgeable operators who are thoroughly competent in the proper usage of the Satellite Communication Systems in support of the new SOLAS Rules defining GMDSS.

During the period of 19 September 1991 through 1 July 1993, Raytheon Marine Company trained 45 field personnel in the maintenance and/or operation of our Satellite Communications Equipments - JUE-45A MKII, JUE-65A, JUE-75A.


Richard F. X. Manney
Senior Field Engineer
Training Supervisor