

TEXAS A&M UNIVERSITY



DEPARTMENT OF OCEANOGRAPHY ♦ TECHNICAL OPERATIONS ♦ COLLEGE STATION, TEXAS 77843

21 Mar 2001

TO: FCC Experimental License Branch

SUBJECT: Exhibits pertaining to form 442

Exhibit #1

Modulation to be primarily by "packet" technique with a baud rate not to exceed 9600. In some occasions, voice will be used for coordinating deployment and recovery of buoys.

Exhibit #2

A system of deployable surface buoys: Buoys containing a data storage computer, a GPS navigation receiver and a VHF transceiver interfaced with a packet TNC are deployed and used for tracking surface currents. GPS position data are stored in the on-board computer and is interrogated by the base station or another mobile unit from a nearby ship or aircraft. The stored data can be used to plot the speed and direction of travel of the buoy. Using the most current GPS position, the buoy can be recovered.

There are no known existing communications facilities that allow this type of experimentation.

Exhibit #3

Call sign KK2XCF was used in the HF land mobile band for digital communication from base to a ship mobile. The marine band was expanded and caused the station frequency to fall within it and renewal was rejected because of this conflict.