

S-3458-EX-1998



July 1, 1998

Mr. Douglas A. Young  
1300 - C1  
Federal Communications Commission  
Experimental Licensing Branch  
2000 M Street, Suite 230  
Washington, D.C. 20554

Dear Mr. Young:

The Rosenstiel School of Marine and Atmospheric Science (RSMAS) of the University of Miami requests the permission to operate a dual-frequency Doppler radio system to measure ocean surface currents along the shores of the upper Florida Keys between Key Largo and Plantation Key from 22 July to 31 August, 1998. RSMAS is participating in a series of experiments that seeks to understand the effects of natural and anthropogenic stressors in the human-environment linkages in the South Florida coastal ecosystem. The overall experiment is funded by the NOAA Coastal Ocean Program and carried out in conjunction with the Biscayne National Park. We have discussed the deployment of the radio system with the owner of a private home on Plantation Key and with the Pennekamp State Park which administers the Key Largo site. We have checked on possible interference and in all cases, interference was ruled out. We have also obtained the necessary permissions from local agencies to operate the radio system at the selected sites.

The radio system consists of two shore stations separated about 30 km transmitting electromagnetic signals with a YAGI 4-element antenna and receiving backscatter with a sixteen element phased-array antenna system. The operational characteristics are:

Frequency MHz	Power (Watts)	Emission Designator
25.4	1000 (ERP)	110KPON
49.945	1413 (ERP)	440KPON

Please advise us as soon as possible about granting a special temporary authorization to operate this radio system in the area and during the time described above.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Hans C. Graber".

Dr. Hans C. Graber  
Director  
Radar Ocean Sensing Laboratory  
(305) 361-4935, -4701 FAX

Rosenstiel School of Marine and Atmospheric Science  
Division of Applied Marine Physics  
4600 Rickenbacker Causeway  
Miami, Florida 33149-1098  
Office (305) 361-4160  
Fax (305) 361-4701