

This FCC license is requested to allow scientific research primarily funded by the California Coastal Conservancy's Coastal Ocean Currents Monitoring Program. The license will be used to operate instruments manufactured by Codar Ocean Sensors, Ltd. These instruments transmit and receive low power radio waves in the HF band to measure and map ocean currents. The ocean current measurements are used by oceanographers and ecologists to better understand the physics and biology of the ocean. The ocean current data is also used by local, state, and federal governments to aid the management of oceanic resources, track pollutants, and assist search and rescue. In particular, we are studying ocean current dynamics in the vicinity of the Channel Islands, off the coast of California.

The National Oceanic and Atmospheric Administration (NOAA) is in the process of making a new service for these instruments, a process which will likely take at least 5 years. For this reason, we are requesting a 5 year experimental license.