

Answer to question number 4:

This research is being conducted under grant NA16NOS0120019, sponsored by the National Oceanic and Atmospheric Administration (NOAA)

The measurements to be made on this frequency are a time-series of maps of ocean surface currents using HF radars manufactured by CODAR Ocean Sensors. The measurements are for the Integrated Ocean Observing System (IOOS), and its regional presence the Northwest Association of Networked Ocean Observing Systems (NANOOS), under sponsorship by the National Oceanic and Atmospheric Administration (NOAA), under award NA16NOS0120019. The measurements are provided to the US government and its agencies, including the US Coast Guard for safety of life at sea, to NOAA for oil spill and other pollution response, and to the general public and scientific community. The measurements contribute to 4 of the 5 focus areas for NANOOS: Maritime Operations, Ecosystem Assessment, Coastal Hazards, and Climate.

Please note that we presently have licenses for other sites with the same purpose of codar mapping of ocean currents. We are applying for just one of those frequencies plus the ITU bands for a new site to extend ocean coverage to include part of the Washington state coast.

We are asking for more than one frequency so we have room to change frequency in case of interference.

We are applying for experimental licenses while IOOS is hiring a frequency coordinator.

Fee Exempt:

This research is being sponsored by federally funded research grants to a public university, and as such this application should

be exempt from any fees.