

I, Neil Owen Klagge, would like to continue experimenting with antenna and transmitter design and testing on the range of frequencies of the proposed 630 meter band for amateur radio (i.e. 472-479 kHz) at a new location in western Washington.

The goal is to show how it is possible to communicate via amateur radio from a small city lot on this band using short antennas with various methods of loading. Also, to demonstrate the effectiveness of various narrow band emission types that might be used on this band when it is implemented. Modes I desire to use are 150HA1A, 62H0J2B, 62H0F1B, and 500HG1D. The equipment will be experimental using both crystal controlled oscillators and variable frequency oscillators followed by buffer amplifiers. The transmitter will be adequately filtered to comply with current FCC requirements with respect to harmonic radiation.

It is important to note that a significant number of experimental stations have been running much higher power than 5 watt ERP in this frequency range have been able to operate over the past several years without impact to primary users.

Respectfully submitted

Neil Owen Klagge, Owner/Operator (Amateur Extra Class Licensee of w0yse)

10406 NE 80th Street

Vancouver, WA 98662

801-510-0158 (cell phone)