

Purpose of experimental license-

1) Efficiency studies: To compare the efficiency of a very short (compared to quarter wave) vertical antenna at low and medium frequencies with alternative counterpoise systems-

First- An extensive buried or ground radial system of about 100' by 100' with additional ground rods.

Second- Two above ground resonate radials of about 150' to 250' each, resonated with inductors for the transmit frequency.

2) Propagation studies: To study the changing sky wave and ground wave propagation on low and medium wave frequencies during a period of decreasing sun spots and solar activity which some predict as the beginning of a grand solar minimum, a minimum that has not occurred in the short 100 year history of radio technology.

Signed

Douglass M. Allen