NTMS Projects

- Radio Shack Rotator Modification
- •24 GHz Transverter

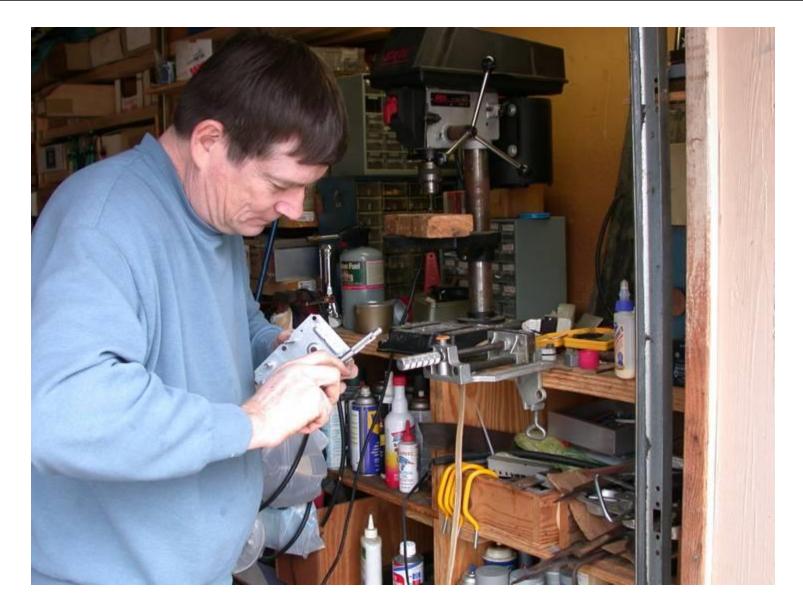
N5PGH Direction Sensor for Radio Shack Rotators



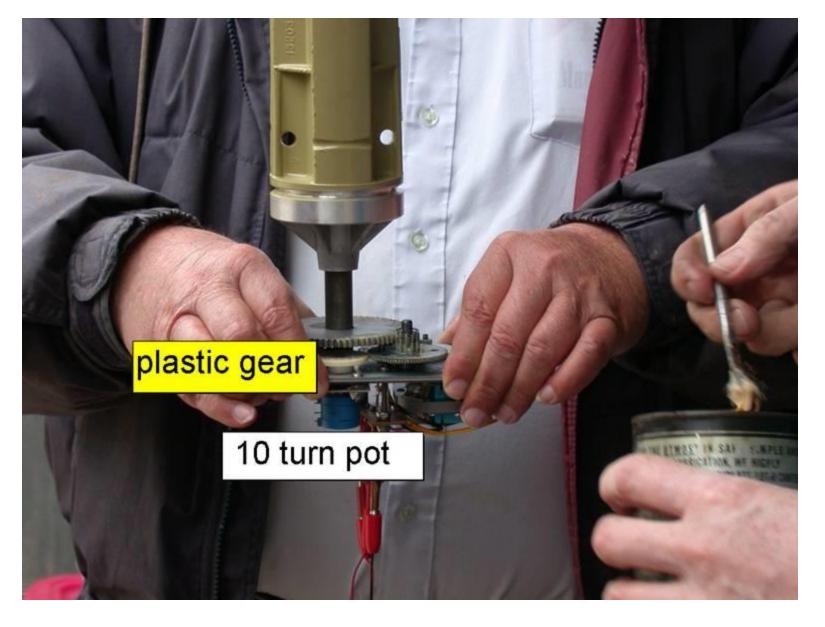
Roger N5PGH and Terry W5ETG work on the patient...



The gears de-greased and laid out on the workbench



N5PGH taps a hole in the gear drive base

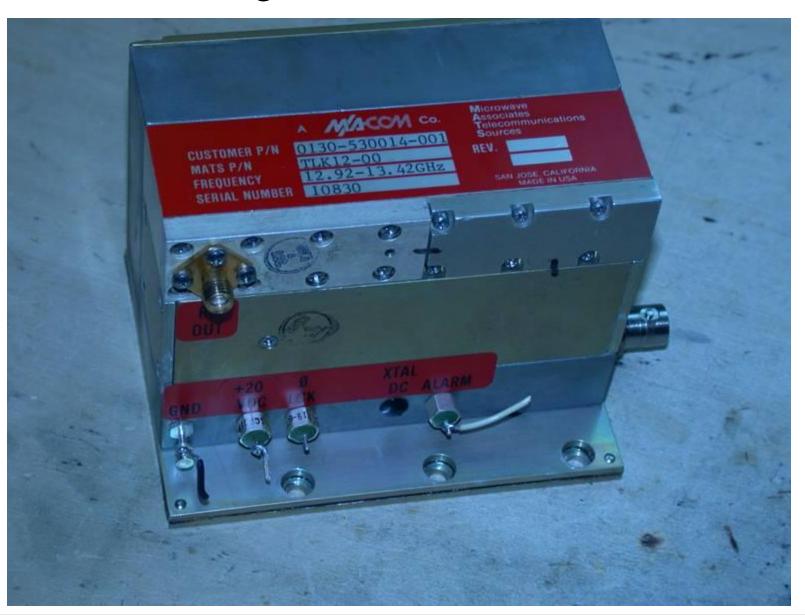


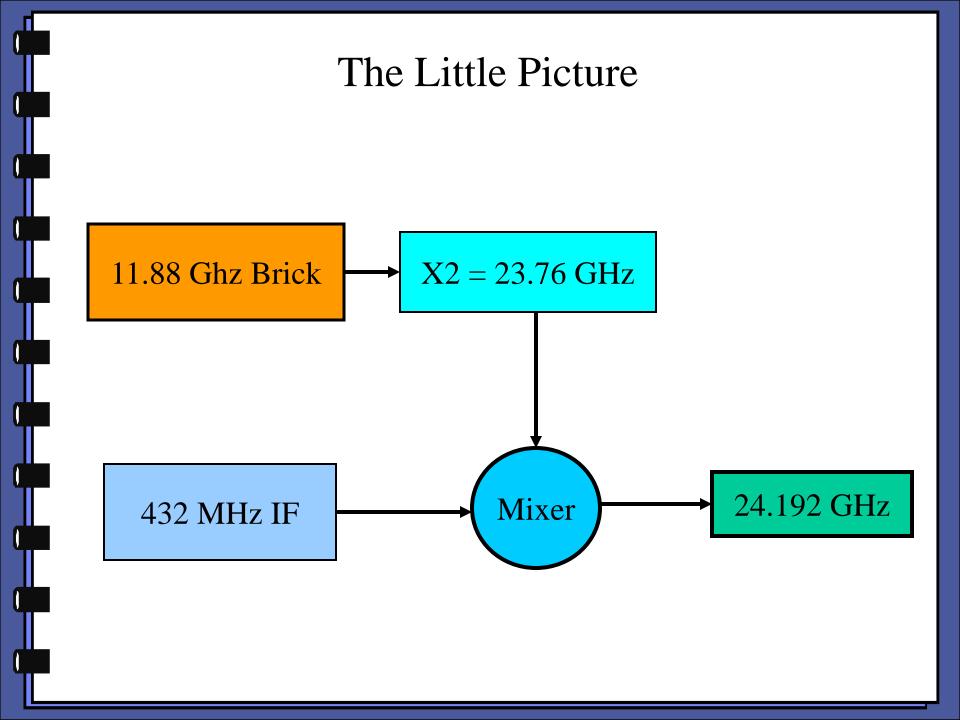
Smoke Test: Running the motor from stop to stop and greasing the gears

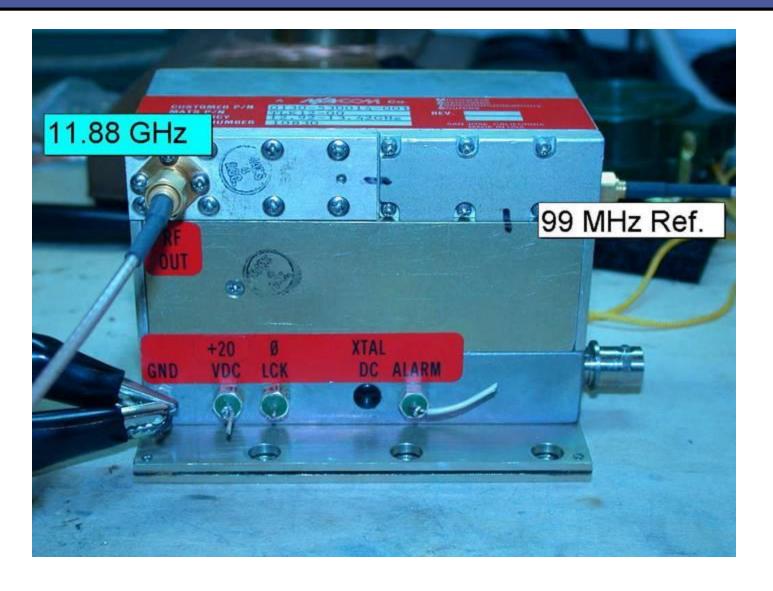


Roger greases the gears while Vaden looks on

Starting With a 12 GHz Source



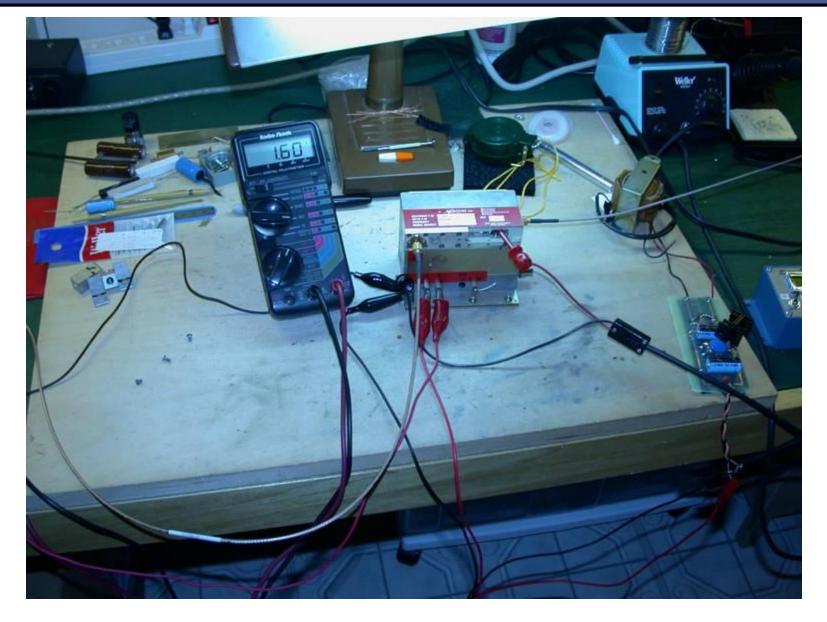




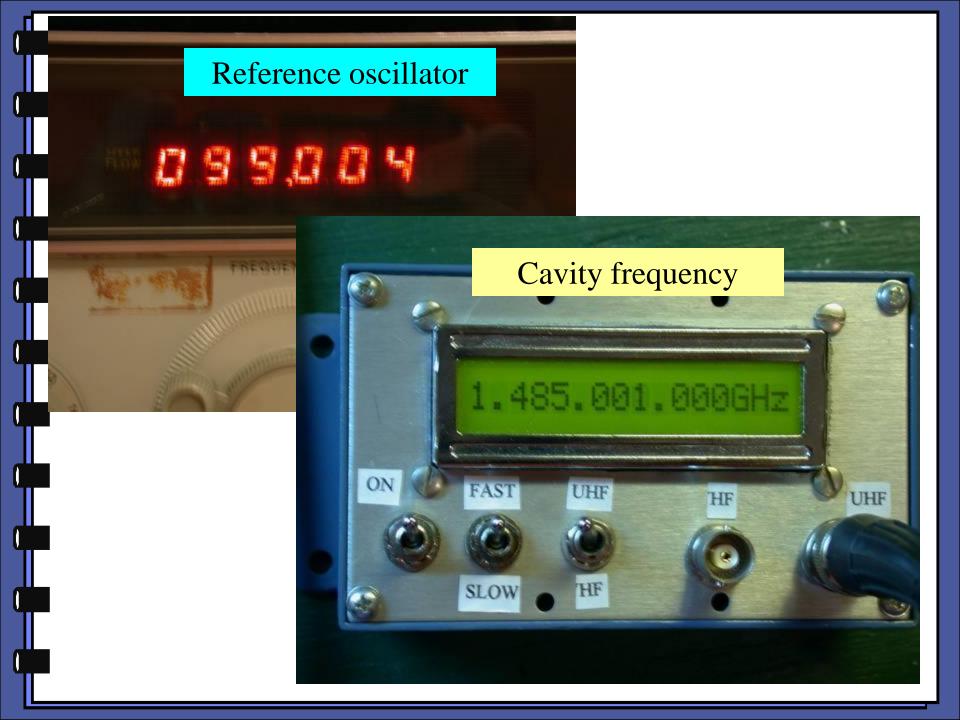
This brick should produce 11.88 GHz output with a 99 MHz reference input. Cavity frequency is 1.485 MHz



Cavity tuning adjustment: turning screw CCW lowers frequency



Measuring the cavity resonant frequency



To be continued