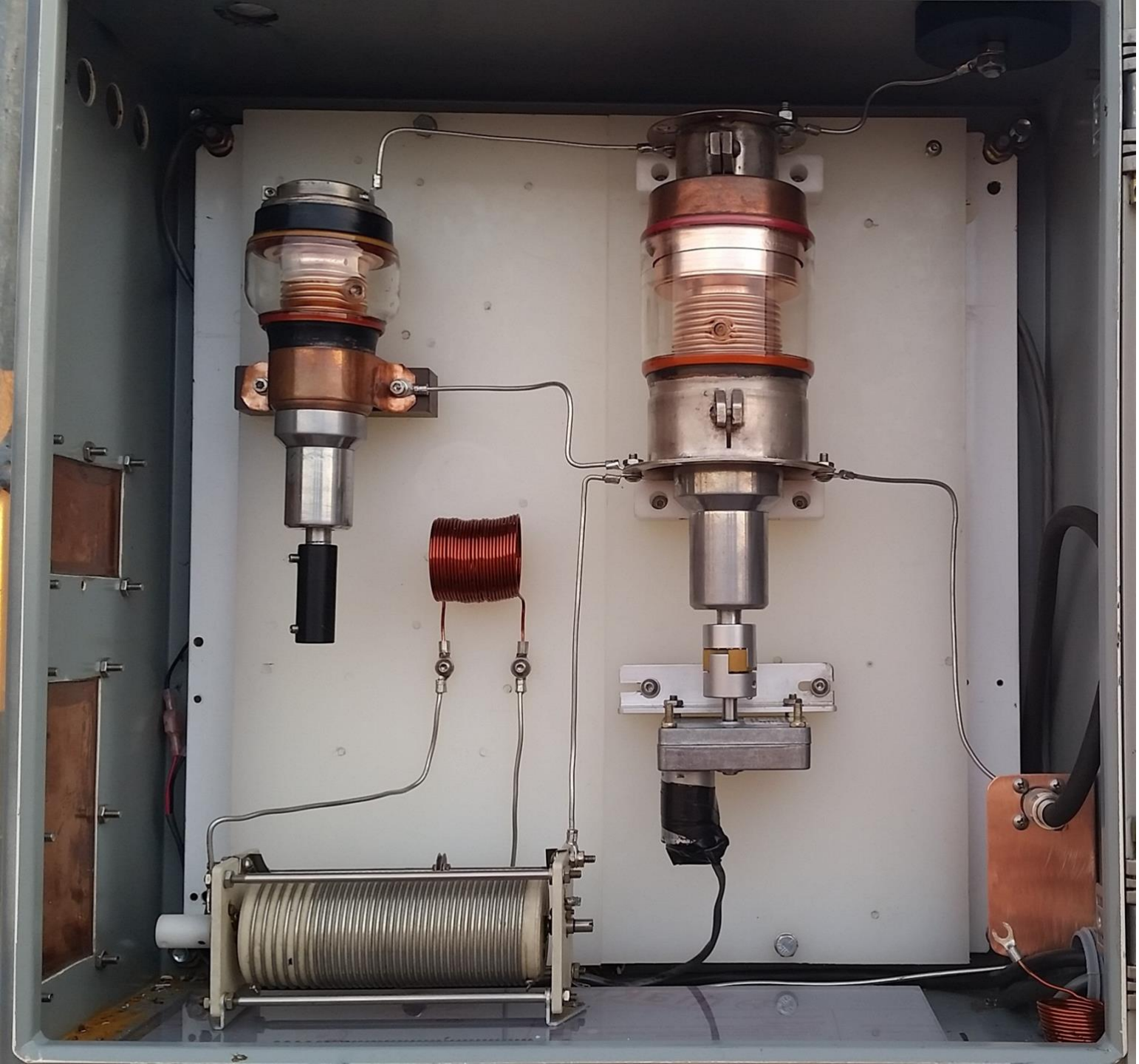
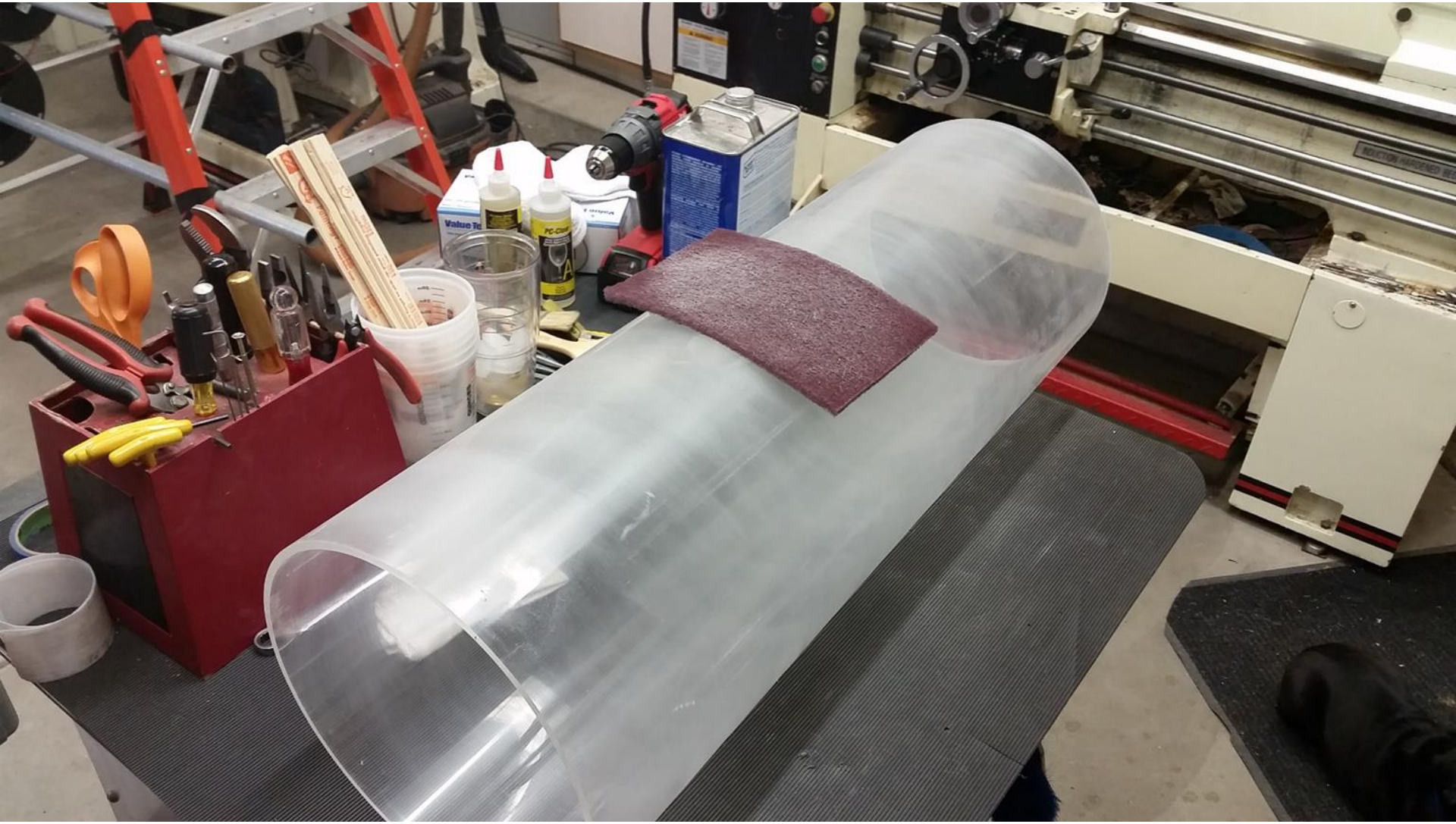
WH2XND-NI7J 136/475 KHz Station

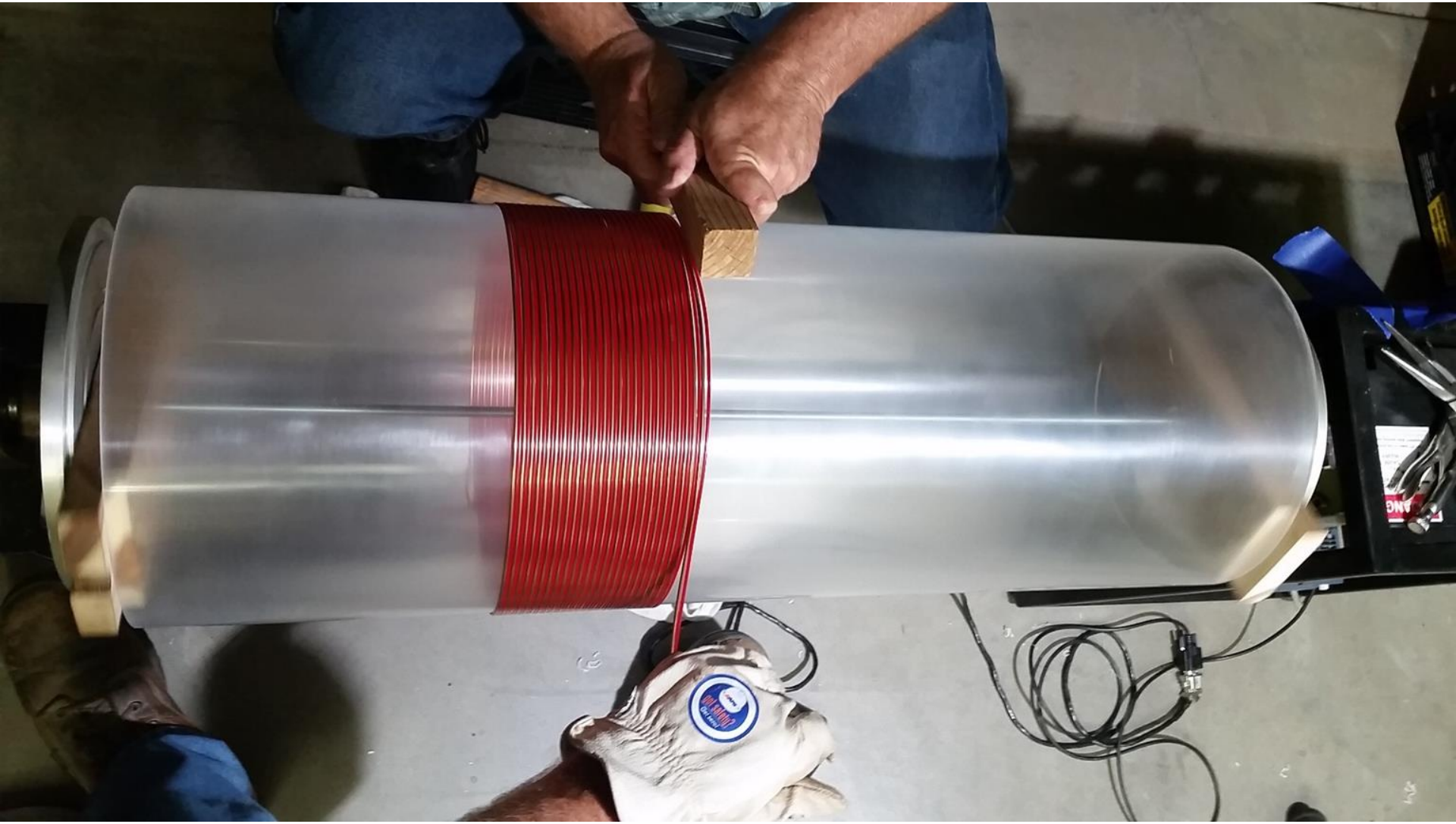


1500 pF series tuning vacuum cap upper R with 1000 pF padding cap upper L enables the 1500 pF cap to stay in its mid tuning range.
Roller inductor and the 2 inch 18 uH coil that is in series are used as an adjustable shunt for 136 KHz operation. 2 inch series shunt coil is removed for 475 KHz operations.



12 X 36 inch Acrylic tube ready for wire.

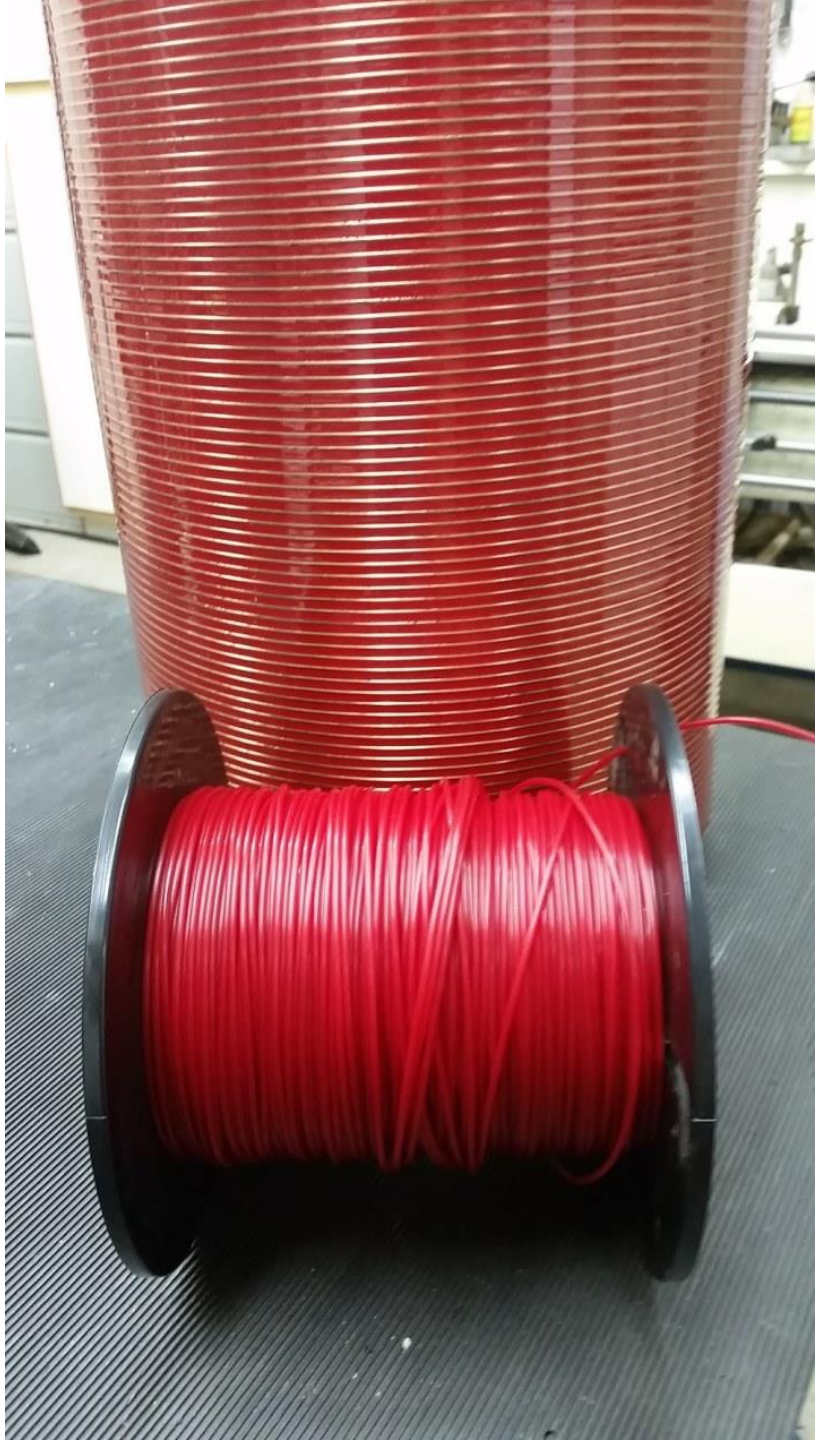
Hank starting wrap of Wards coil with Ward supervising.



Winding Wards coil, ward keeping tension on copper and weed eater line.

Hanks custom Tesla coil wrapping tool, note: foot switch for forward-reverse and a stop/hold feature.

Left is Ward, right is Hank with Ron's coil completed.



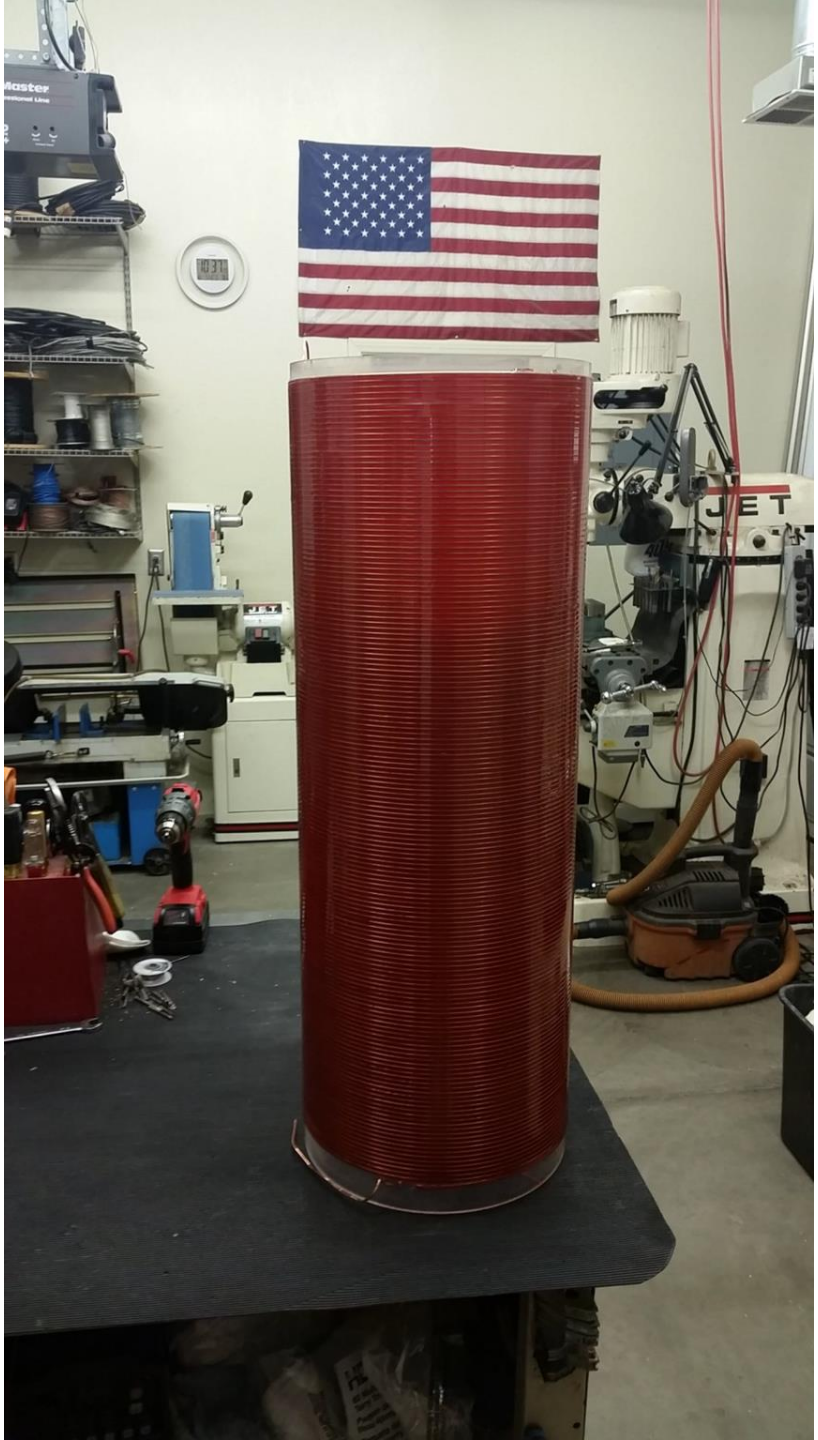
.095 Dia weed eater line used for spacing the #10 solid copper wire.

Both coils were coated with PC-Clear epoxy worked very good available at Grainger's.

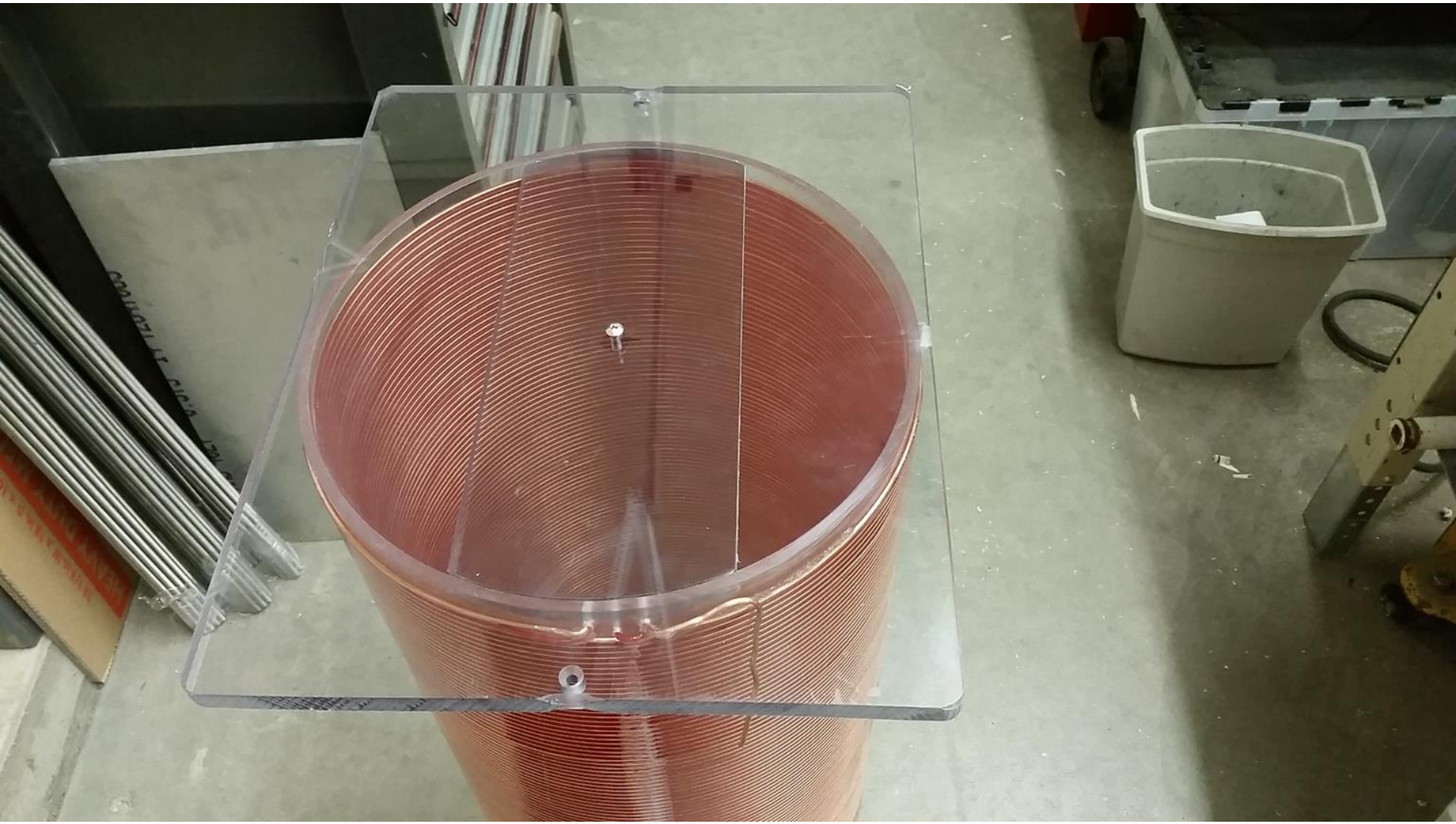
Wards coil left, Ron’s coil right.

12 inch Dia. X 36 inch 2.524 mH coil replaces the four 600uH coils. The four coils were borrowed from a 475 KHz experimental loaded dipole project.

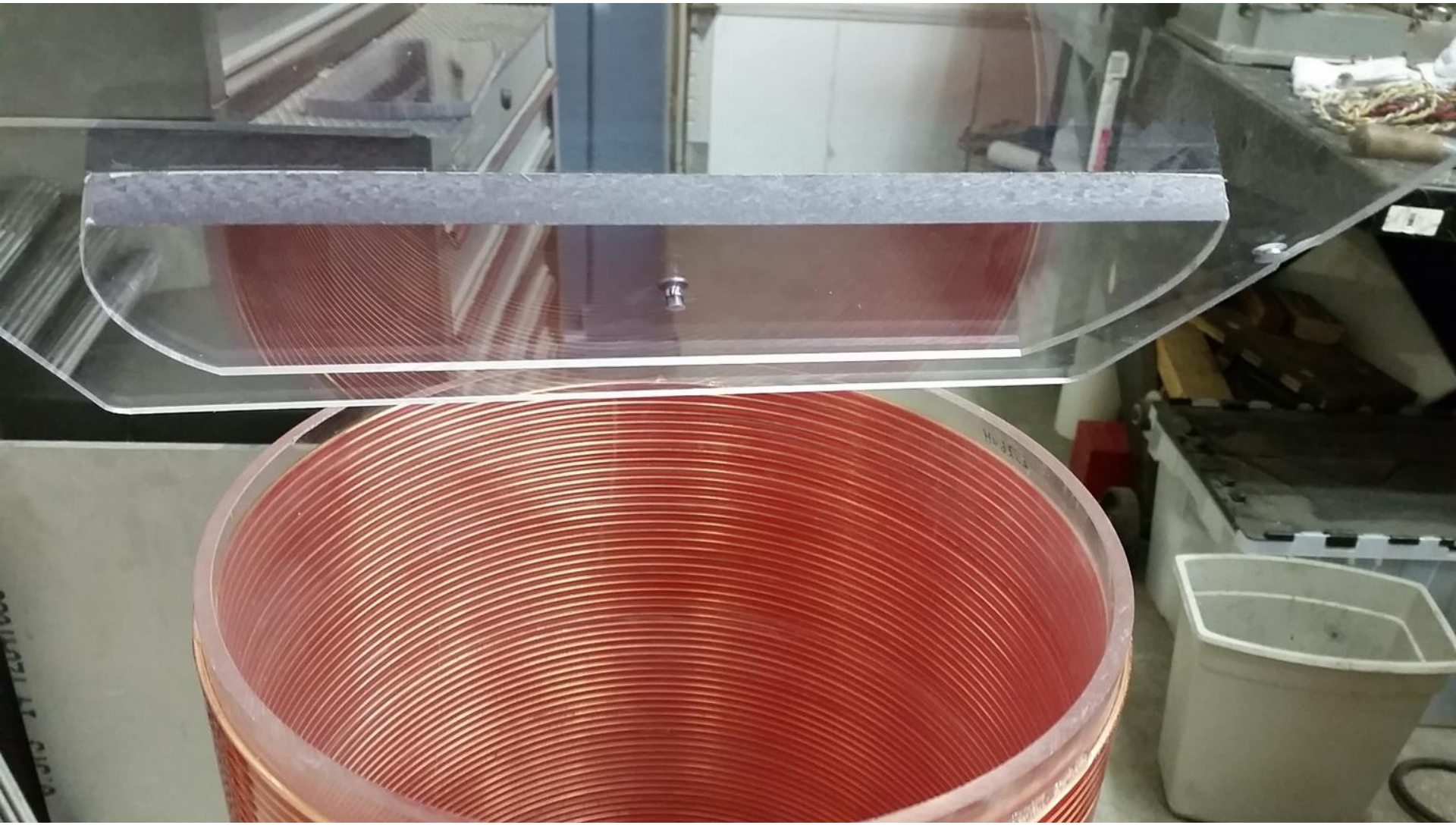
12 inch Dia. X 36 inch 2.524 mH coil ready for testing.



136 KHz 2.524 mH coil ready for install.

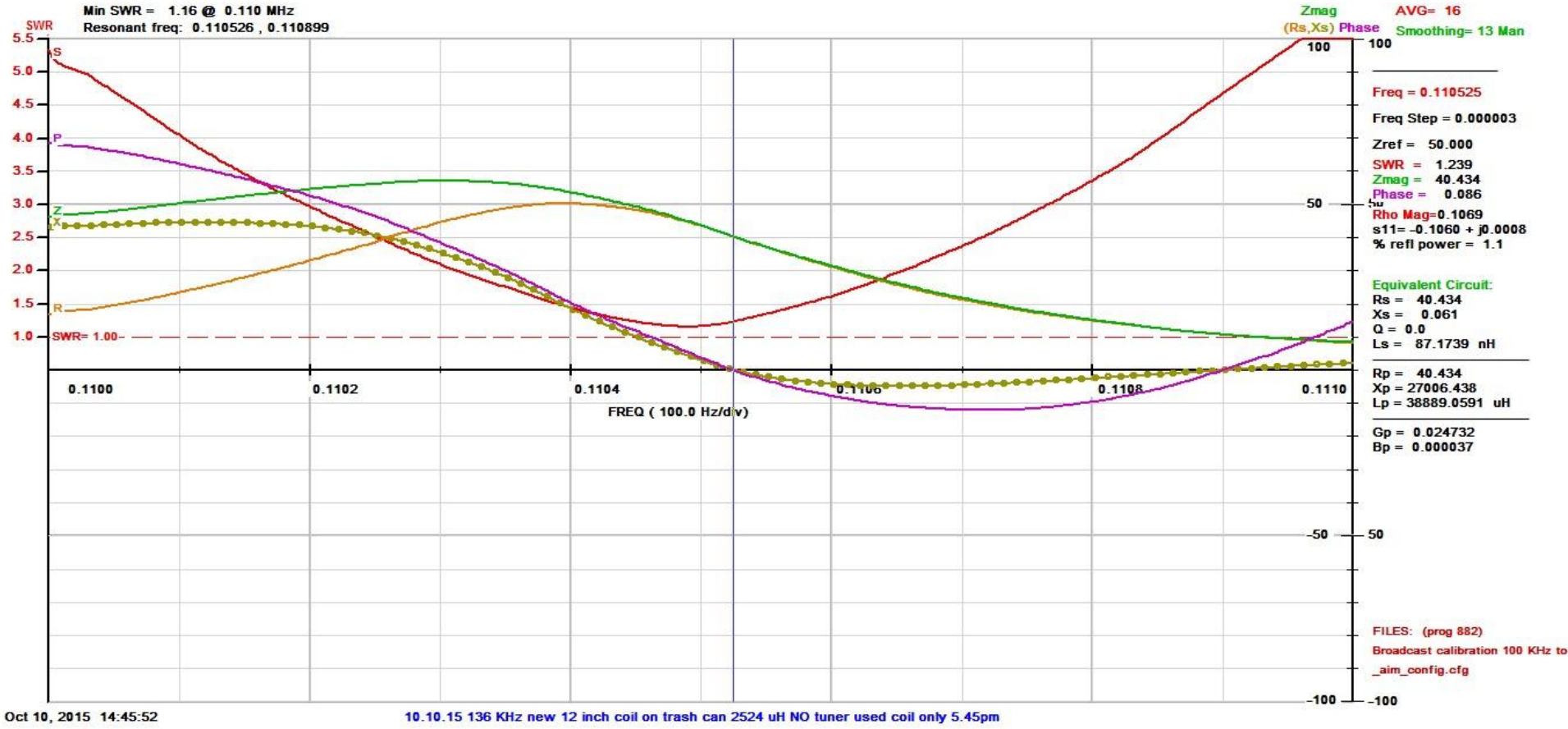


1/2 inch polycarbonate used for weather proofing.

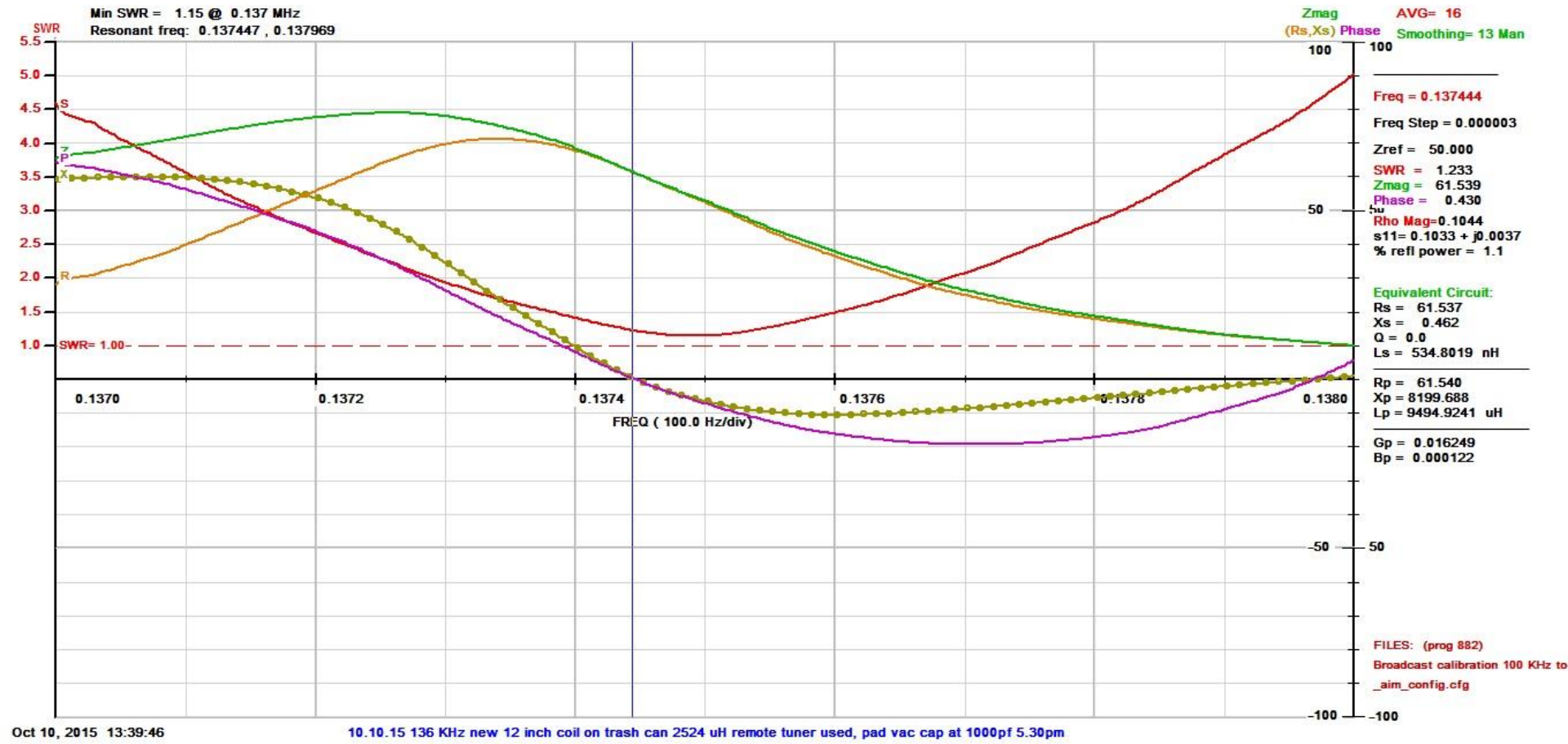


1/2 inch polycarbonate used for weather proofing.

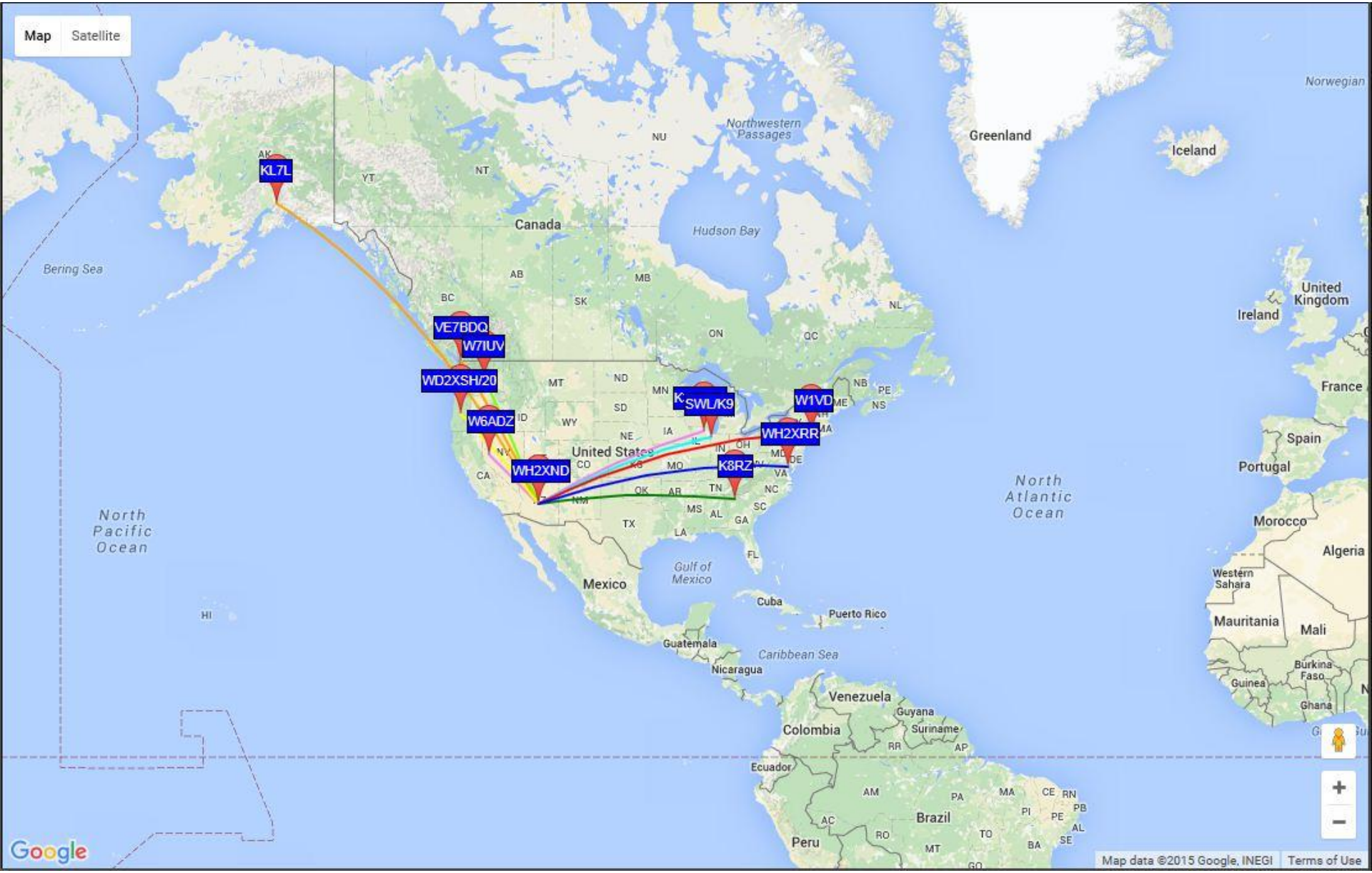
8 ft. florescent tube, my 6 year old grandson really enjoyed this photo.



Aim 4170 plot 136 KHz 12 inch Dia X 36 inch 2.524 mH coil on trash can no tuner used coil only. 10.10.15



Aim-4170 plot 136 KHz 12 inch Dia X 36 inch 2.524 mH coil on trash can with remote tuner used, padding vac cap set at 1000 pF. 10.10.15



136 KHz WSPR map recorded 7 am Phoenix 14.00 utc2. 10.25.15 10 contacts

475 KHz experimental coil loaded dipole.