

N4BTA Portable

Located North 34 Degrees 56' 57", West 83 Degrees 32' 10".

Chattahoochee National Forest, Coleman River WMA.

Screen Tent and Tarp for shade.

Elevation: 3000 feet ASL. Ground blockage to North at 45 degree up hill,
more distant blockage to the South.

Average Ground Conductivity = 2

Station:

Yaesu FT-991 with internal sound interface at 40 Watts.

MFJ-969 Roller Inductor Tuner.

Optima Blue Top Deep Cycle for Rig power.

Optima Yellow Top Deep Cycle with AC Inverter for Laptop power.

Windows 10 with fldigi 4.0.8

75 feet low loss 9913 coax.

Antenna:

Tarheel Model 100 Screwdriver, 8 foot whip, 4 @ 1/4 wave radials each for 80/40/15 meters
mounted at 18 feet via tilt up trailer hitch mount.

Negative Gain estimated by tuned antenna length vs. 1/4 wave length. Meter showed 40 Watts.

ERP 40 meters: 15 Watts

ERP 20 meters: 28 Watts

Comment:

I did stop to look up for 15 seconds during Totality, Beautiful!!!

The 4 foot Timber Rattler on the path between camp and the radio was impressive also.

It never rattled, even when I picked it up with a shovel and moved it aside.

I hope the research goes well!

Best Wishes,

Bret Arnold

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Alpharetta, GA