

FD18
Phone Station

Goals

Antenna gain Easy to help with Solar fizzle

Have a safer, less difficult setup.

Provide lots of operating time.

Comfortable station

Keep hydrated

Station

Antennae

20/15/10 A3S beam

80/40 Nov-Vee wire Yagi

Z-match transformer

Long runs of Coax

Antenna tuner

Operator Platform

K3/KATU with PS3

Dual Headset + Speaker

Foot-Key

Linear PSU

ROG laptop

Windows 10

N1MM+

2 kw Honda generator

Lazy Daze RV

Setup and Trials

Great Ideas

Pre-marked tower sections
Custom tower base mount
Tilt-up ladder as falling derrick
Jeep used for controlled muscle !

Lines and cables on spools
Reuse of wire elements

Challenges

Containers and Culverts
Heat.
Tower-top mast clamp ill-fit
20/15/10 Yagi mis-tune / re-tune
Pulley and halyard for 80/40 stuck
40 m wire element not happy
Matching transformer questionable
Laptop can't see K3 USB ??

Team Effort

On the Fly

Judicious use of 6# sledge
Up/Down/Up re-tune Yagi
3 ft stakes anchor Vee sides
Carabiner saves the day
7pm hack Z match, get 80 m
Manual band-select for N1MM

Operation

Noisy bands
FB operators nation-wide
Young man with heart
OM's mentoring
A couple of good runs
Robert sticks to it thru noisy 80m
KH6 on backside of Yagi

Take Away

Tuff Lessons

Pre-build and check antenna

Pre-check computer-radio

Bring tape measure

Still too complex

Admonitions

1 person cannot do all the work

Exhaustion saps any reward

Kudos

Great teamwork from all

Very safe weekend

KUDO

Great Pizza

Wonderful Dinner

Thank You Becky & Crew