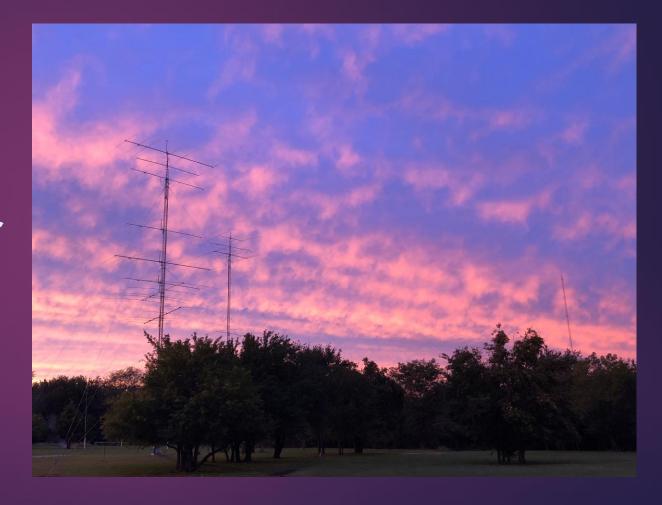
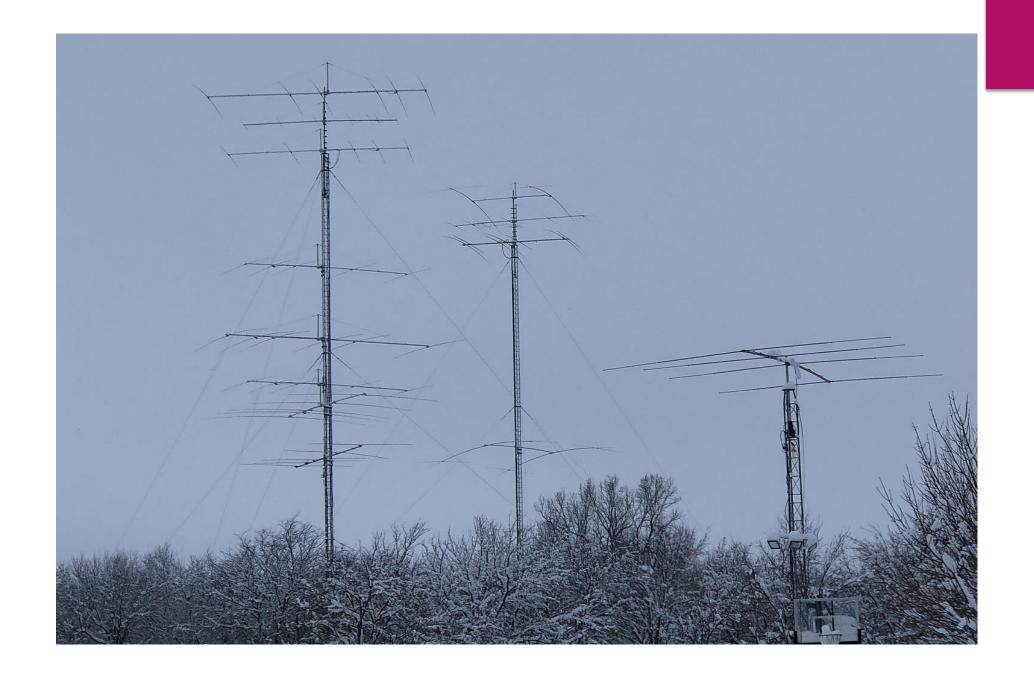
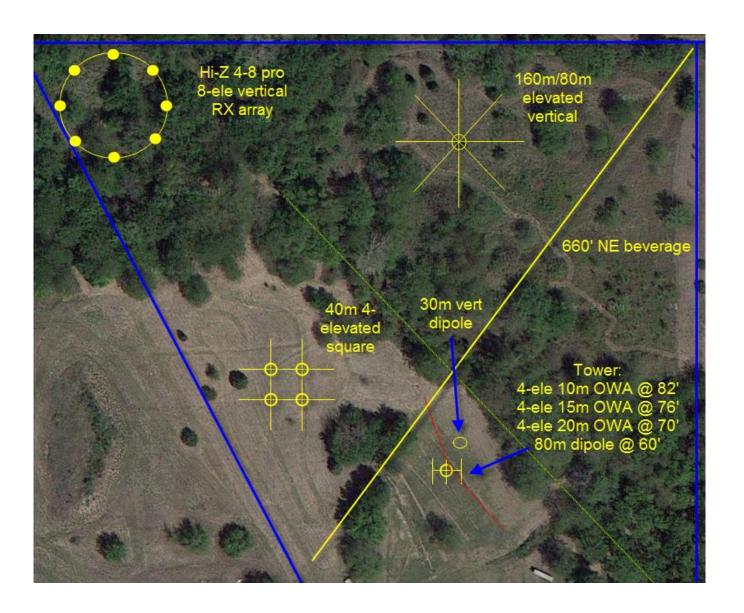
Antenna Pictures & Some Other Stuff

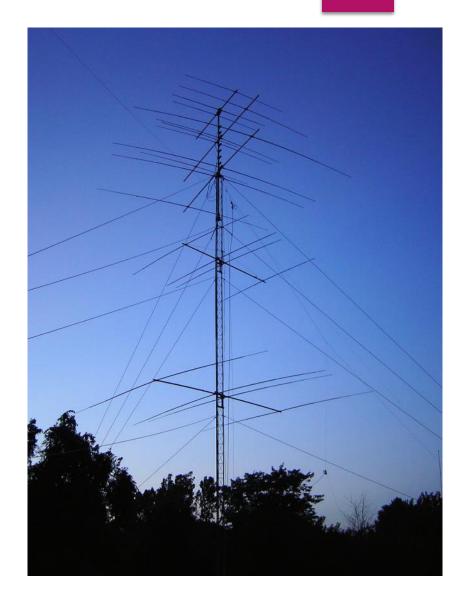
ACØC – JAN 2019 - KCDXC



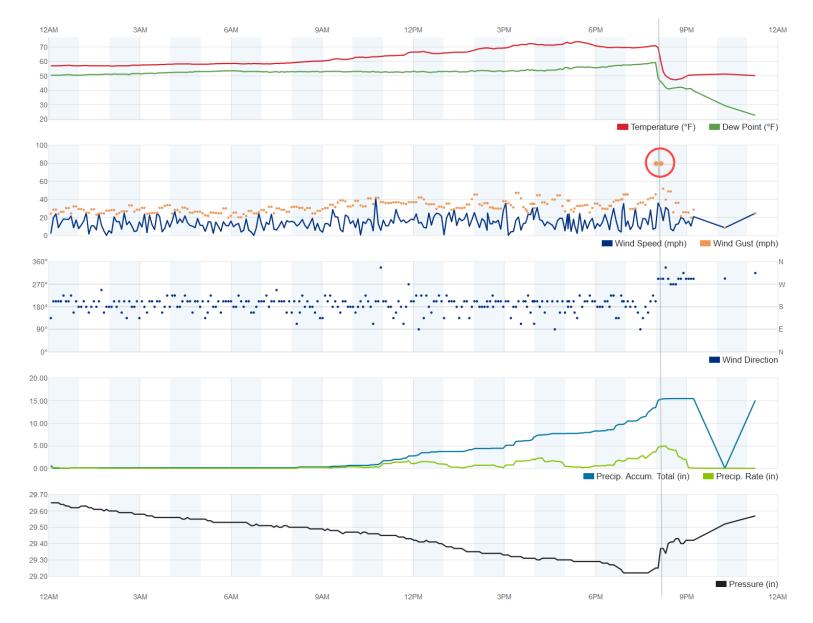


2012-2017 – The "Temporary" Tower

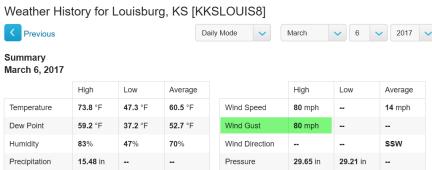




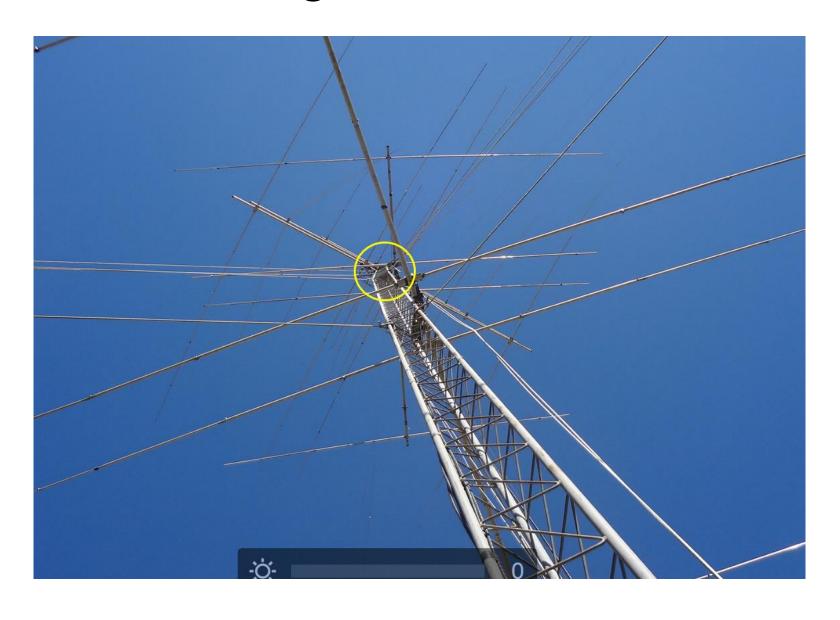
Weather History Graph March 6, 2017



Happy - Until The Big Wind Came to Town



March 2017 – The Big Wind



March 2017 – The Big Wind

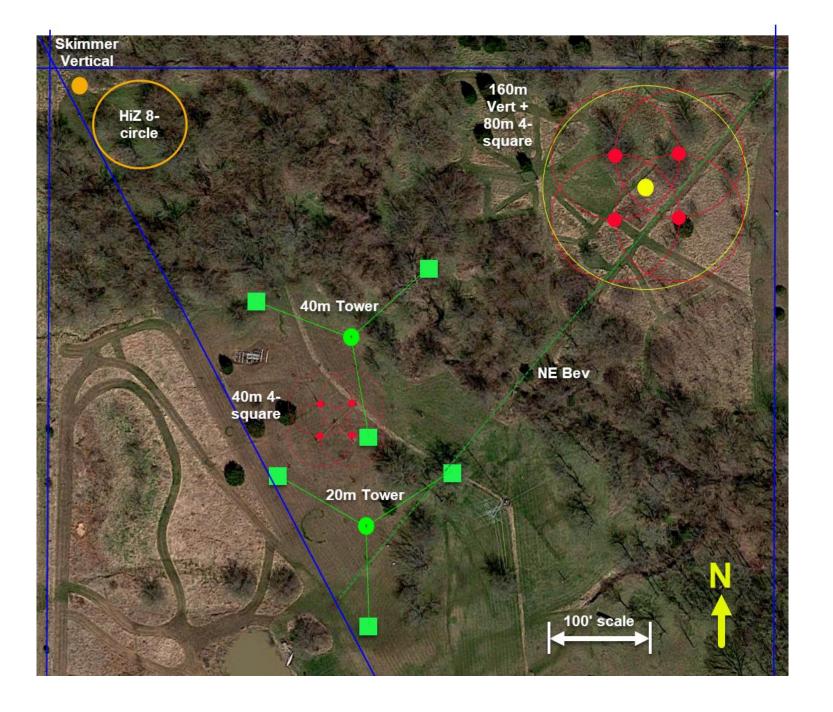




Agenda

Site Overview

- Antennas by band
- ▶ Grounding



4 Towers

• 160m: 160/80-4sq

• 40m: 40/30/17/10

• 20m: 80d/20/15/6

• House: 12/2/440

21 Antennas

• 18 RX/TX

• 3 RX-only



40m Tower - 126'

20m Tower - 110'



4 Towers

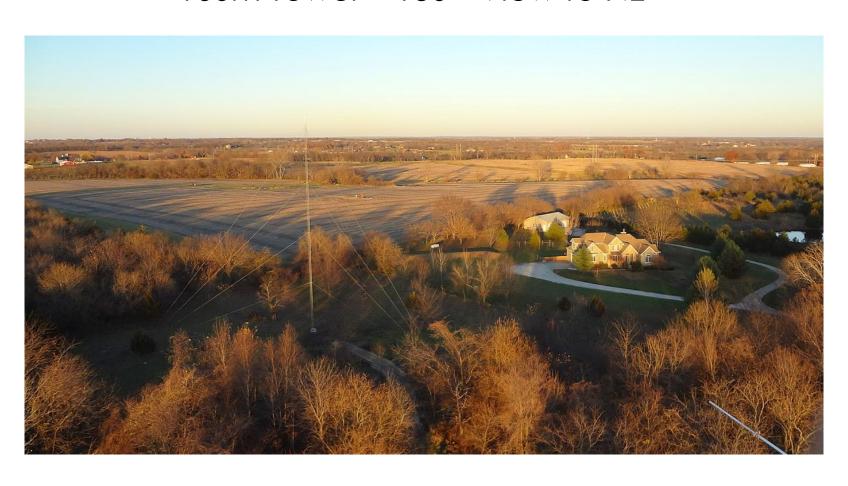
• 160m: 160/80-4sq

• 40m: 40/30/17/10

• 20m: 80d/20/15/6

• House: 12/2/440

160m Tower – 130'- View to NE



Agenda

- ► Site Overview
- Antennas by band
- ▶ Grounding





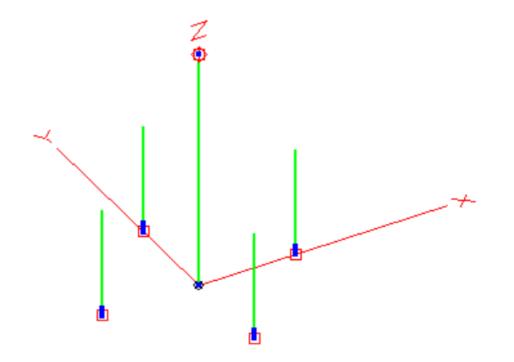
130' 25G full size vertical ~72 in-ground radials





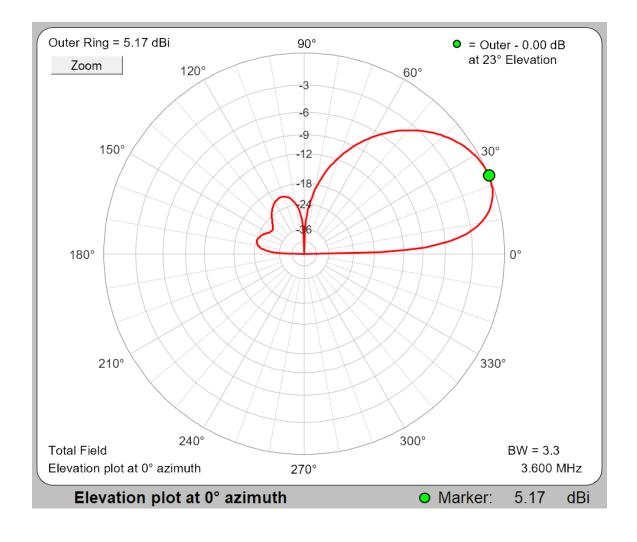


EZNEC Pro/4

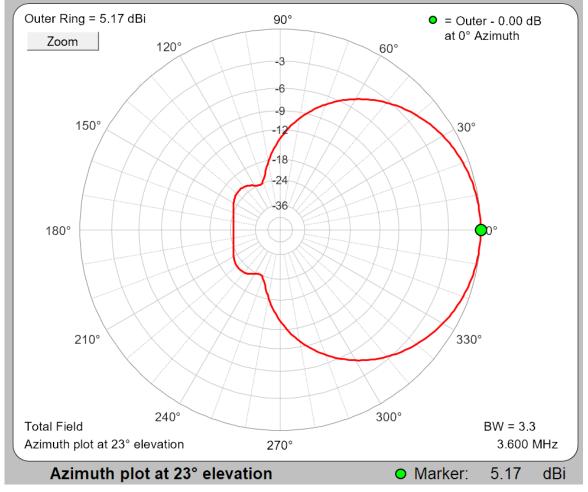


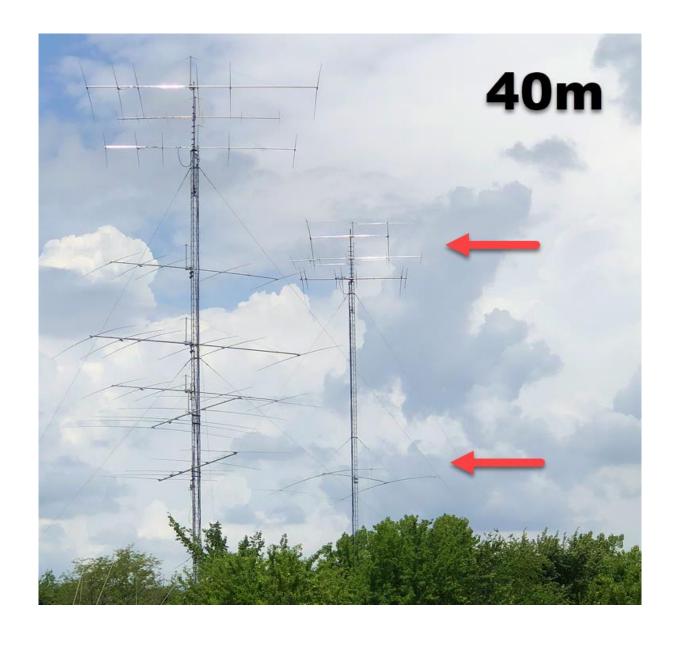


DXE 4-square Suspended from ropes off tower ~50 radials per vertical



80m 4-sq

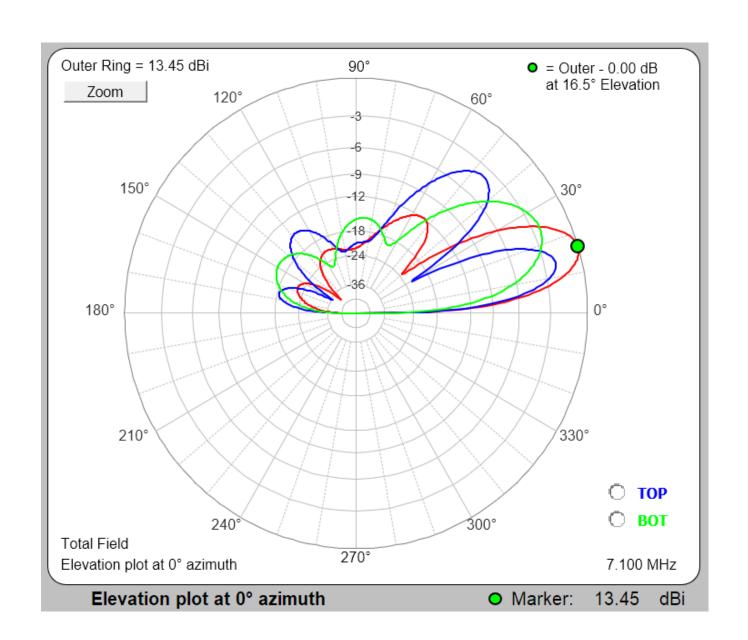








JK402T 2-ele "T" cap loaded Top-rotating & fixed EU



Stack Magic

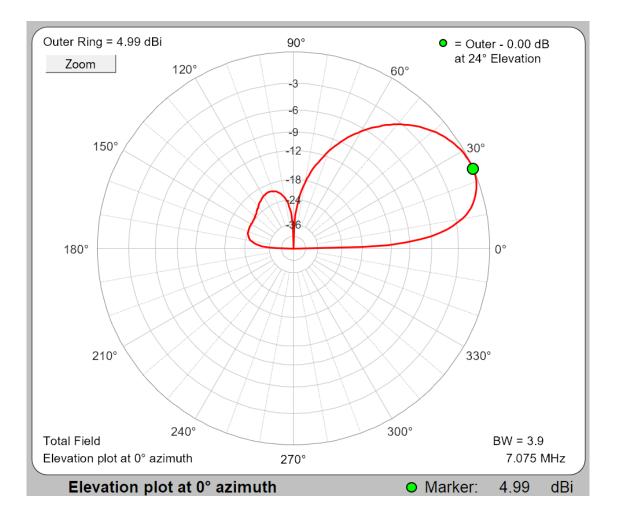
- More peak gain
- Fatter main lobe
- Smaller secondary lobes
- Tighter backside



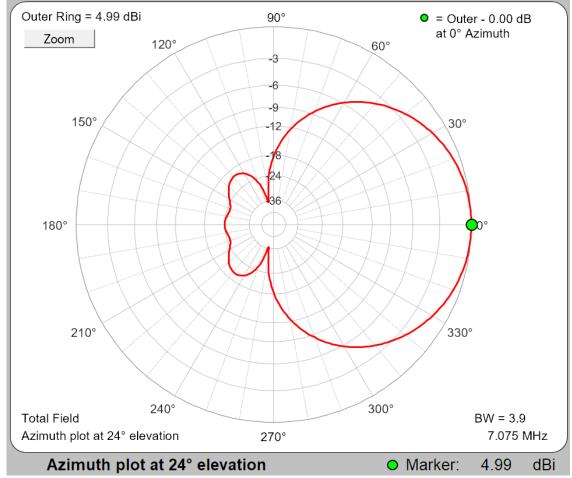


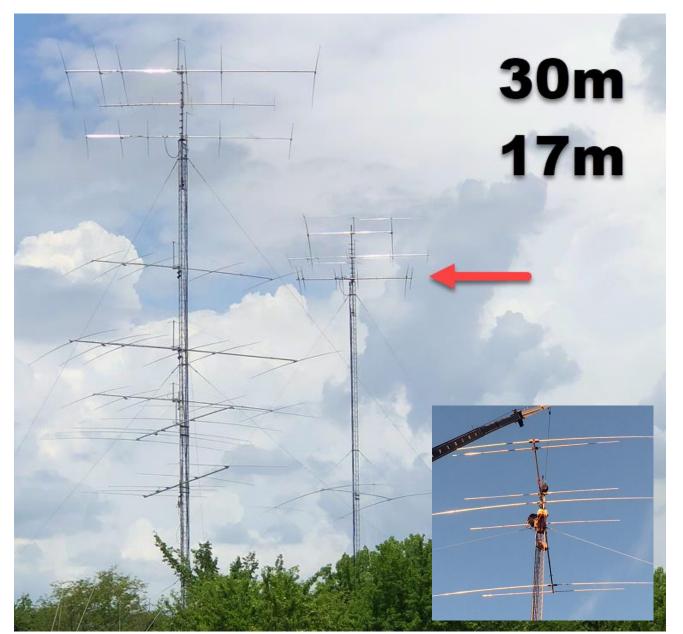






40m 4-sq



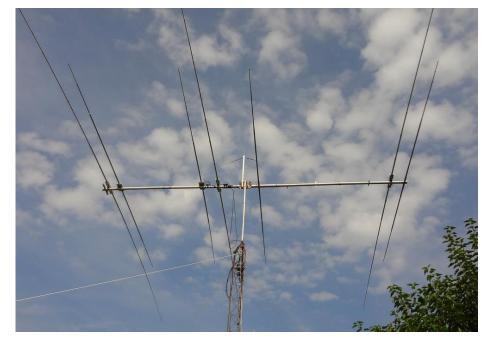


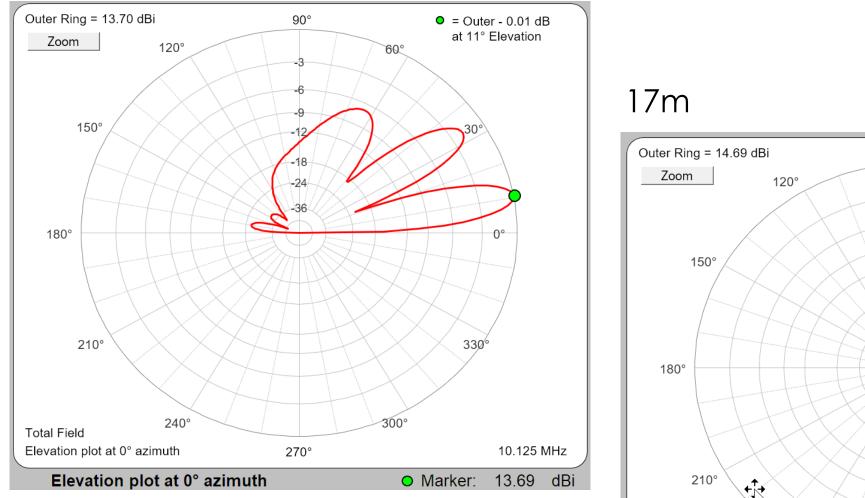
Homebrew Telrex + DXE

30m: 3-ele full size

17m: 4-ele

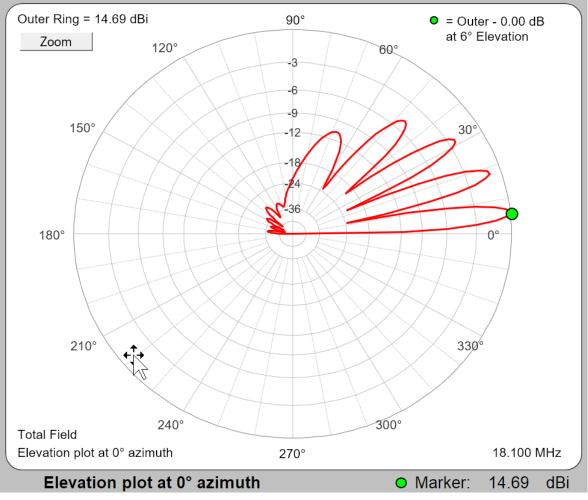


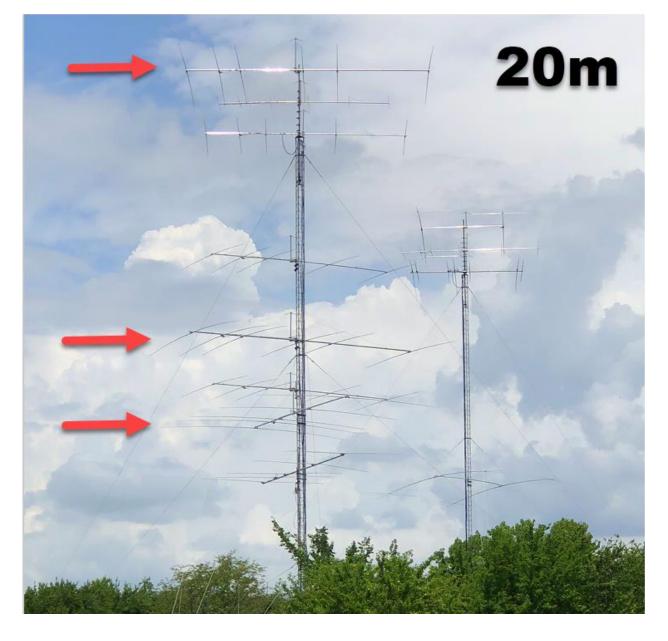




30m

30m 17m





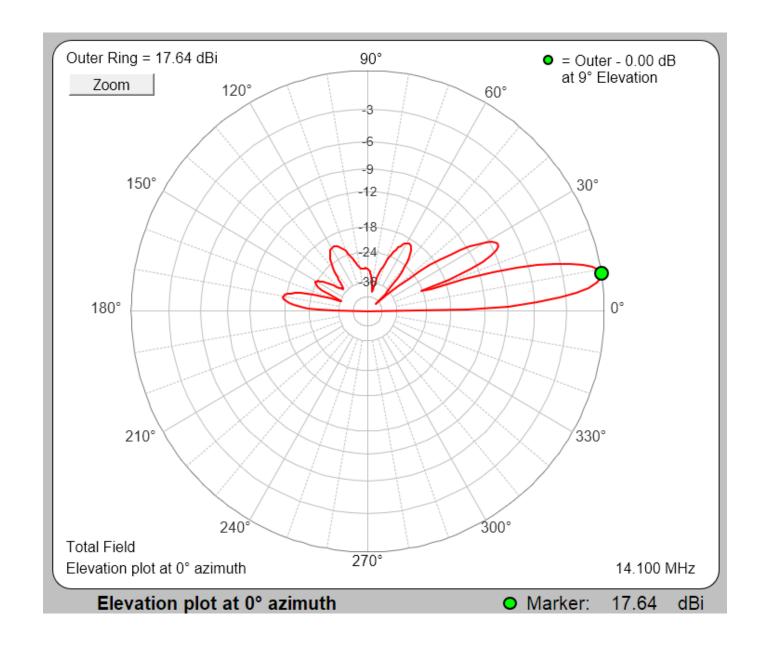




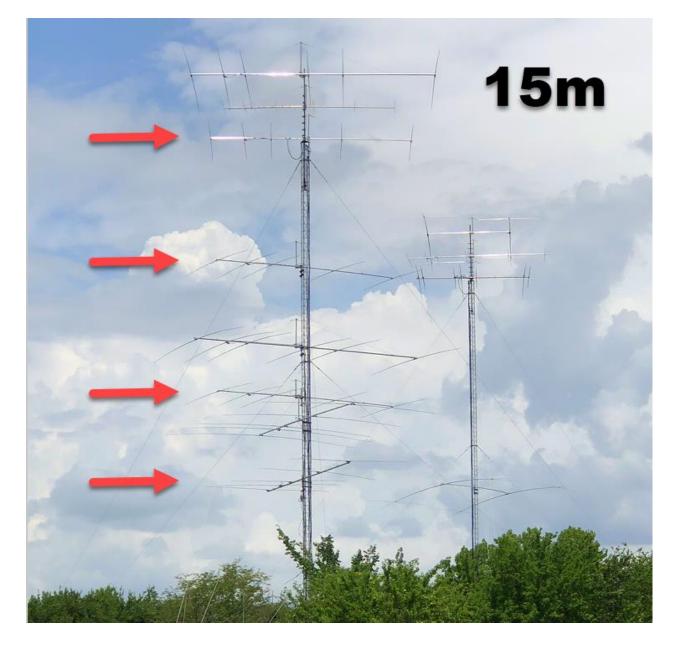
JK206 6-ele 44' boom

- Top-rotating
- 1x-fixed EU

JK205 5-ele 39' boom – fixed SA



20m Stack Fixed EU



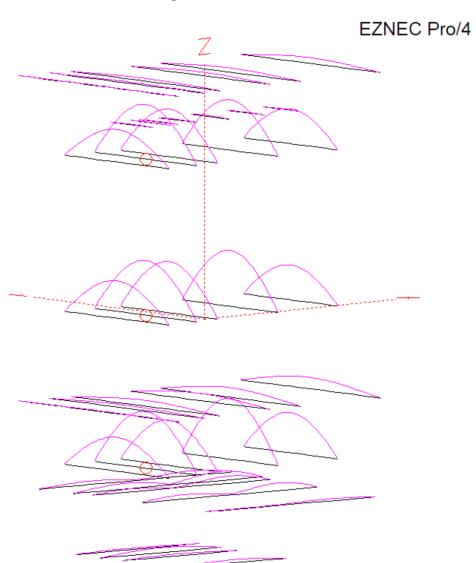


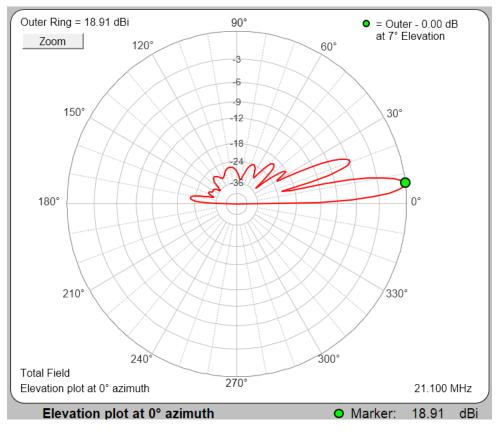
JK155 5-ele 36' boom

- Top rotating
- 2x fixed EU
- 1x fixed SA

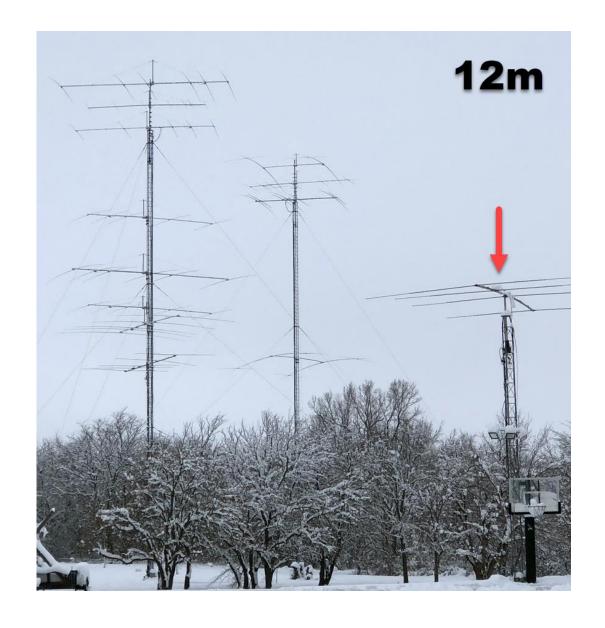
Modeling Tasks

- Interaction
- Stack spacing optimization



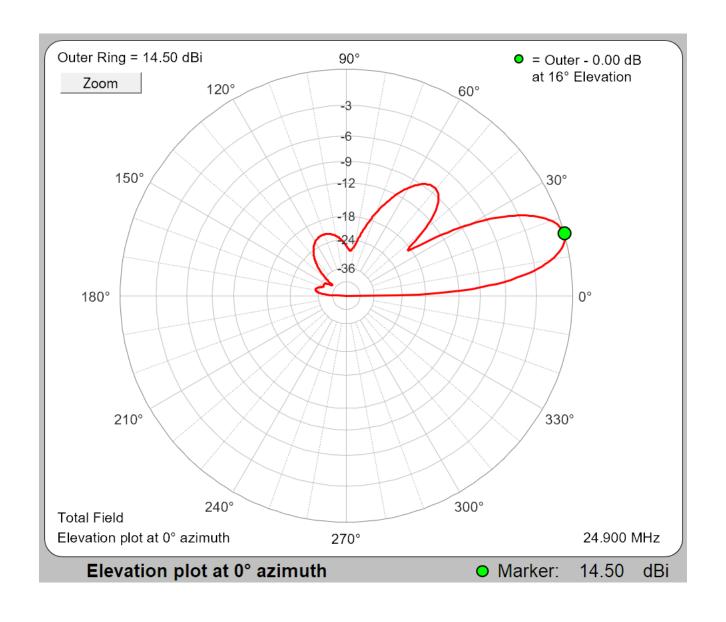


15m Stack Fixed EU

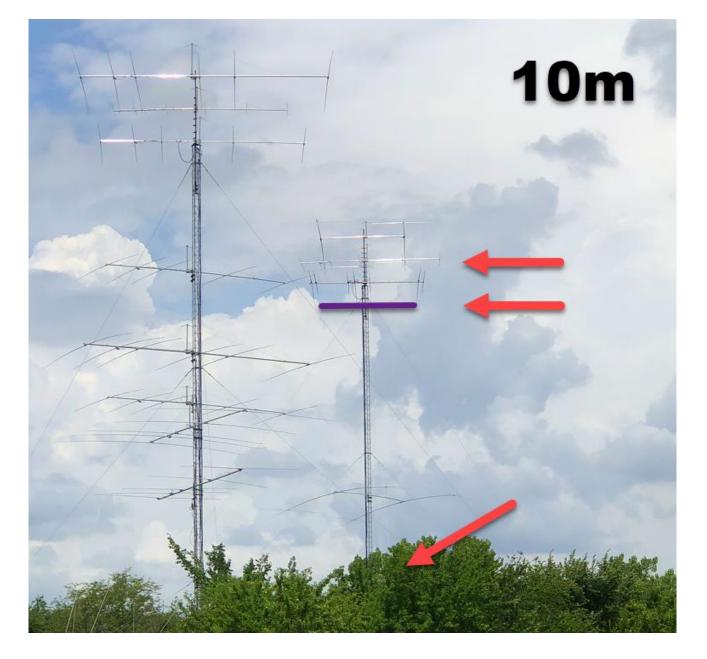




Homebrew – Hygain LJ 35'- 4-ele on 26' boom



12m Yagi



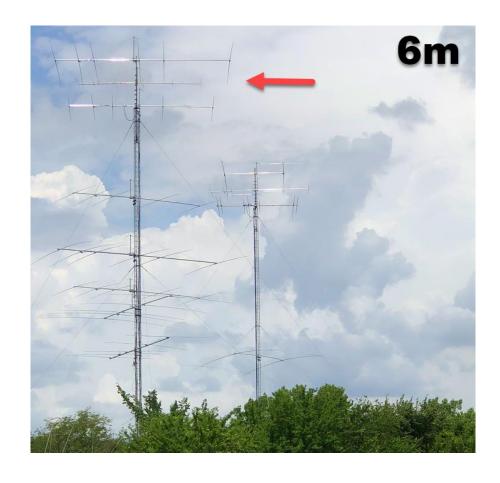




JK106 6-ele on 36' boom

- Top rotating
- 1x fixed EU (not mounted) FT5ZM 3-ele - fixed on SA





M² 7-ele rotating From Fred NøXA



25' – Cushcraft 3/3 fixed North From Rob KE5BR



Beverage Skimmer vertical HiZ 8-circle multi-band

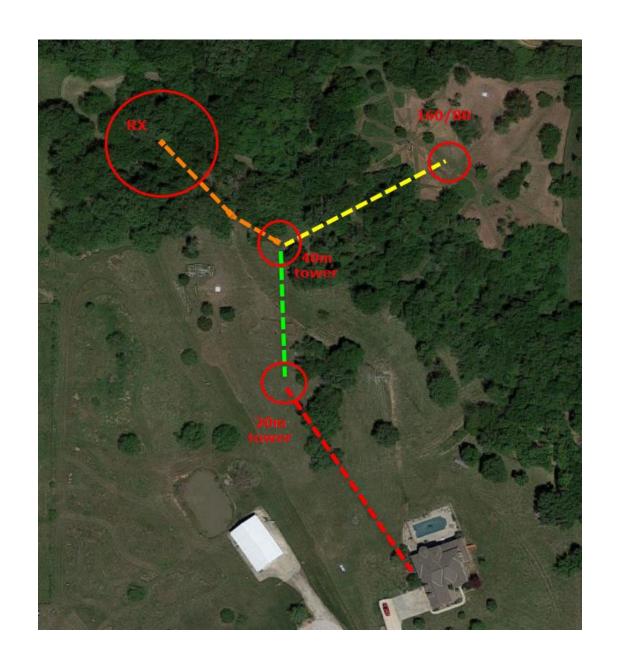


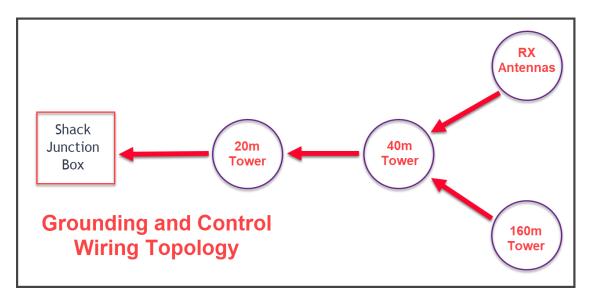




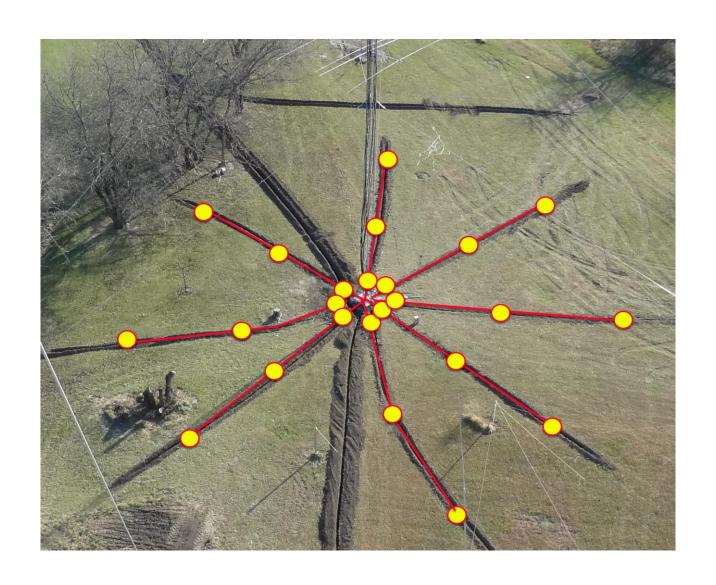
Agenda

- ► Site Overview
- Antennas by band
- Grounding

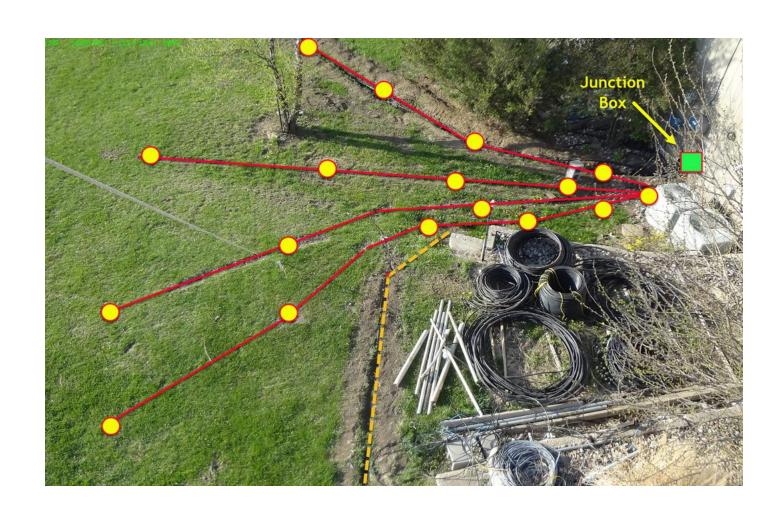




20m Tower – Ground Rod Layout



Shack Entrance – Ground Rod Layout



20m Tower – Polyphaser Mount & 2x8 SW



20m Tower – Top of Tower





Tower Leg Clamp



Brazed Rod Connections

40m Tower - Control Wire & MOV

