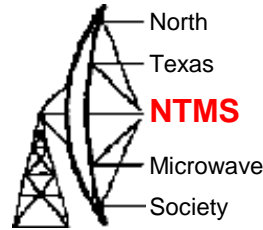


VHF and Above Rover Trailer

By Matt W5ZCA

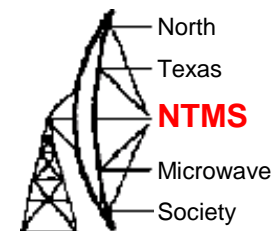
Origin Story



- Originally owned by a communication company that helped in the sale of large ranches.
 - Price tag \$1000



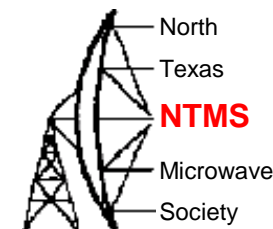
Initial Testing



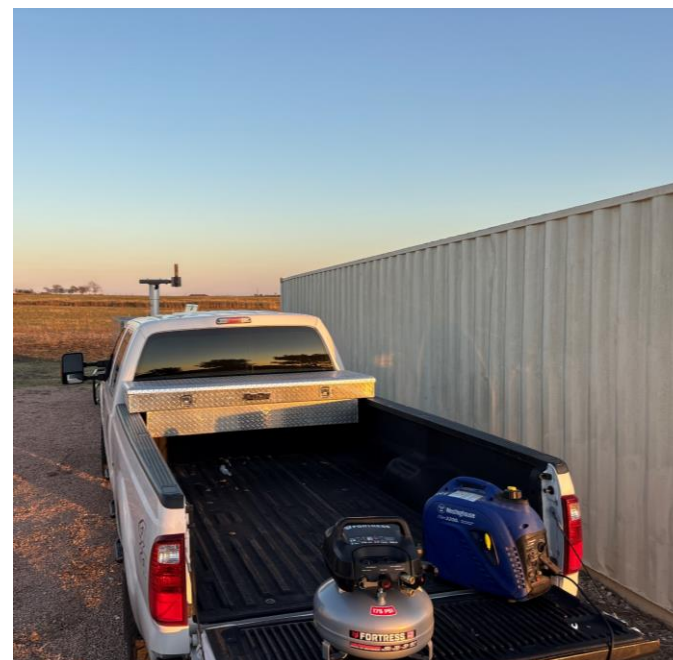
Total height 28 feet



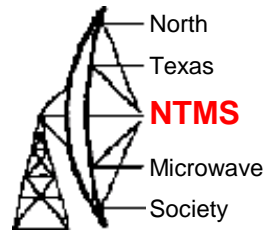
Initial Testing part 2



Once the weather started cooling down, I was able to bring the trailer home.



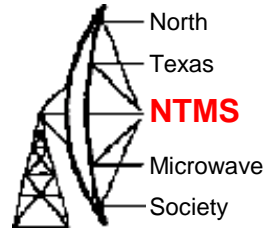
Initial Testing part 3



Initially thought the mast had an air leak.
Used my 1296 antenna equipment to verify.



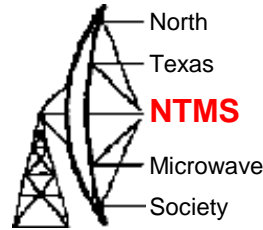
Mayden Voyage to DM83



- Planned to be home in DM84 for the Thanksgiving Break.
- A.K.A the perfect excuse to bring the radios along!



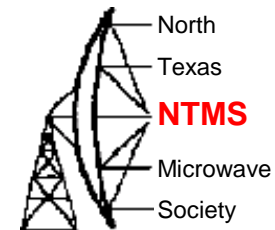
Mayden Voyage to DM83 part 2



Due to a long week at work, I was unable to test mounting the antennas before the trip.



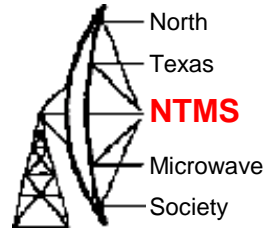
Mayden Voyage to DM83 part 3



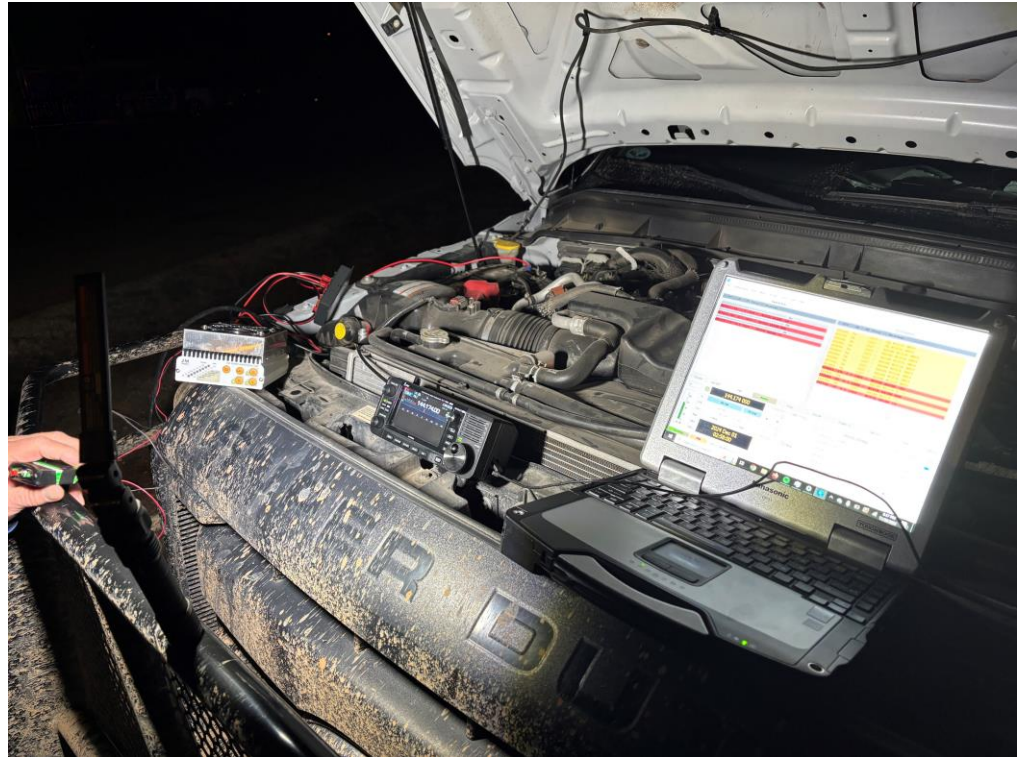
Initial setup took 30-45 minutes.



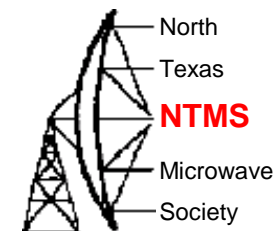
2 Meter Equipment Used



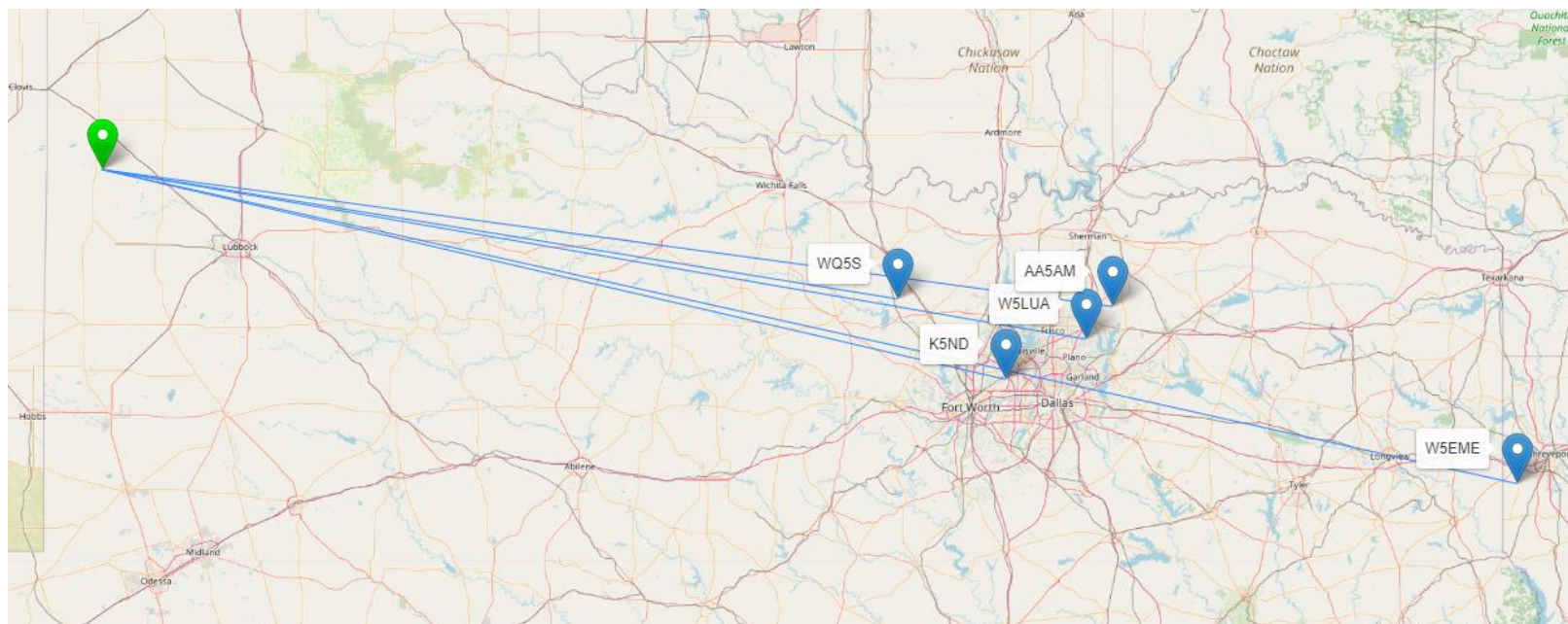
- Icom 705
- Toptek PA-180
- Cushcraft 11 Element Yagi



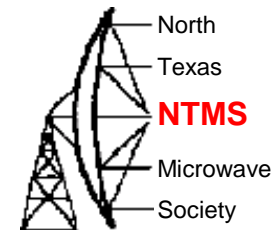
2 Meter Result



- Total of 5 FT8 contacts
- Best DX 520.59 miles



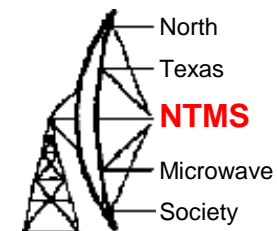
70 CM Equipment Used



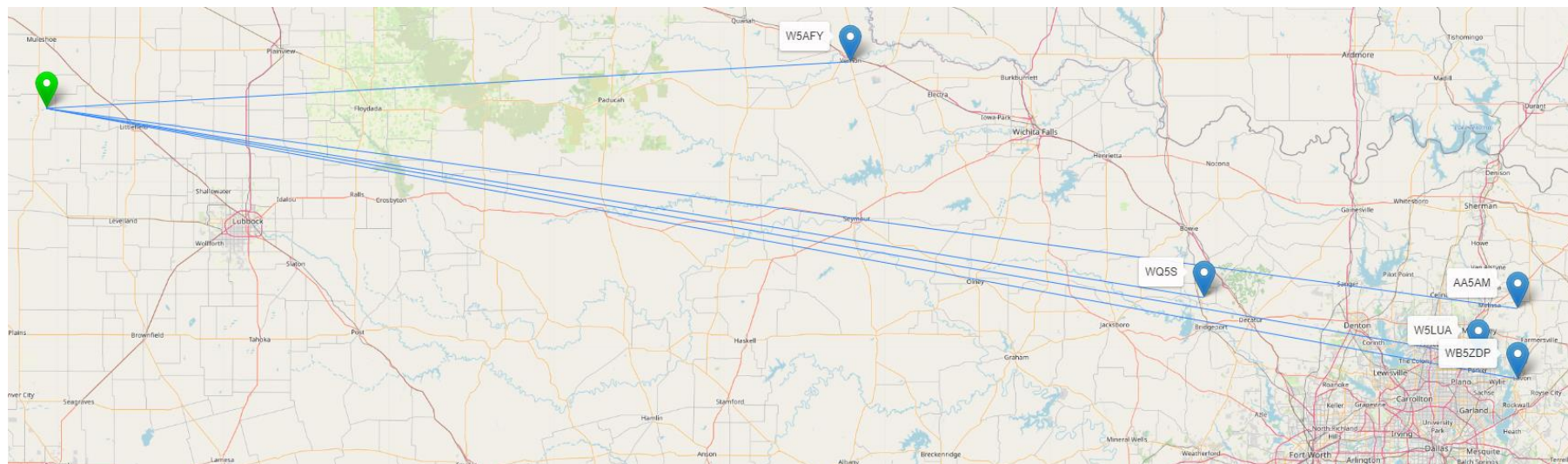
- Icom 7000
- 70 CM Yagi donated by Brad WQ5S



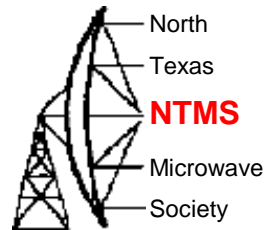
70 CM Result



- 1 x FT8
- 4 x Q65B
- Best DX 366.48 miles



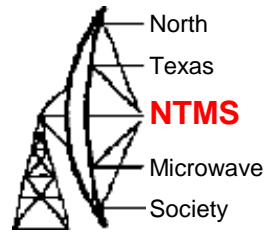
6 M Equipment Used



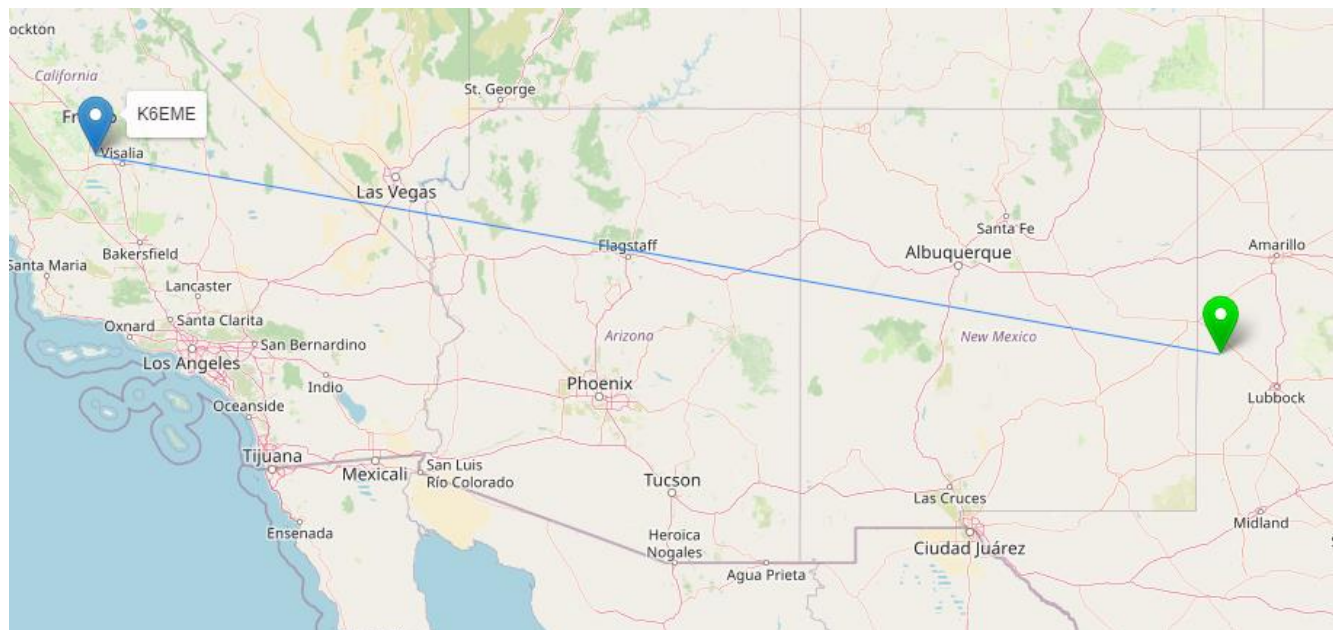
- Icom 7000
- 2 element Yagi



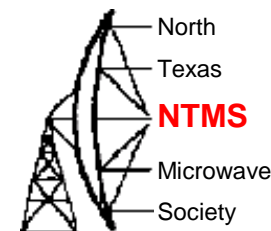
6 M Result



- Only 1 Q65A contact made to K6EME.
- #477 out of 488 FFMA
- Limited Power ~25 watts

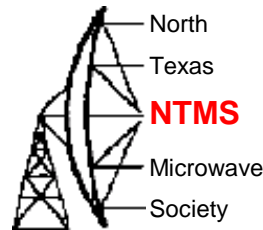


Future Improvements

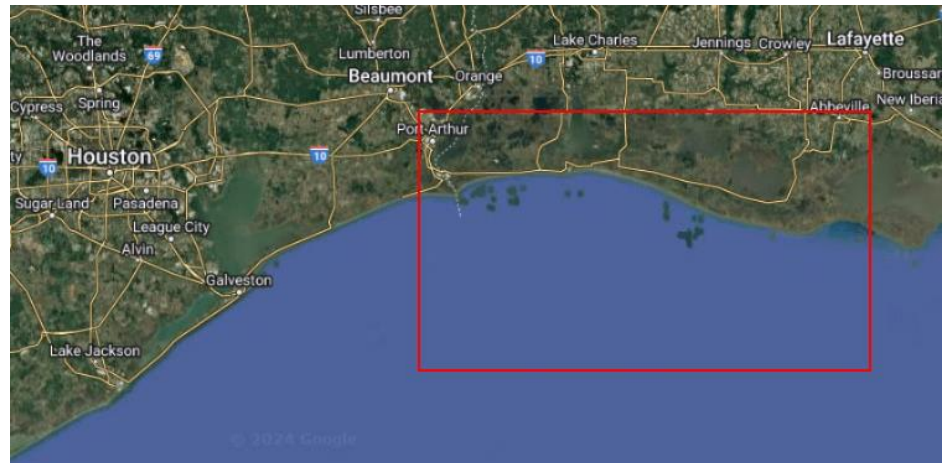


- Add capabilities including 220 MHz and 902 MHz.
- Add Microwave capabilities for 10/24 GHz
- Redesign the antenna mounting system.

Future Operating Plans



- January VHF contest in DM83 and surrounding grids.
- EL39



Questions?