

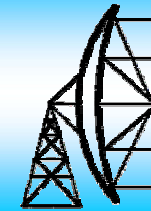


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A 10/24GHz expedition to “East West Texas”

Dave Robinson WW2R

Equipment



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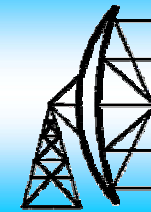
10GHz

**IF: IC402 (435MHz) Demi xverter. Qualcomm PA (1W)
G3WDG preamp (0.9dB). 18" FSJ1 coax**

24GHz

**IF:IC402 (435MHz) Homemade DB6NT mixer. DB6NT
preamp (2dB) Packratts PA (2.1W). 16" flexible WR-42**

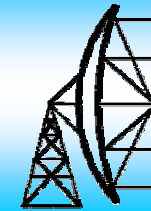
10G Transverter



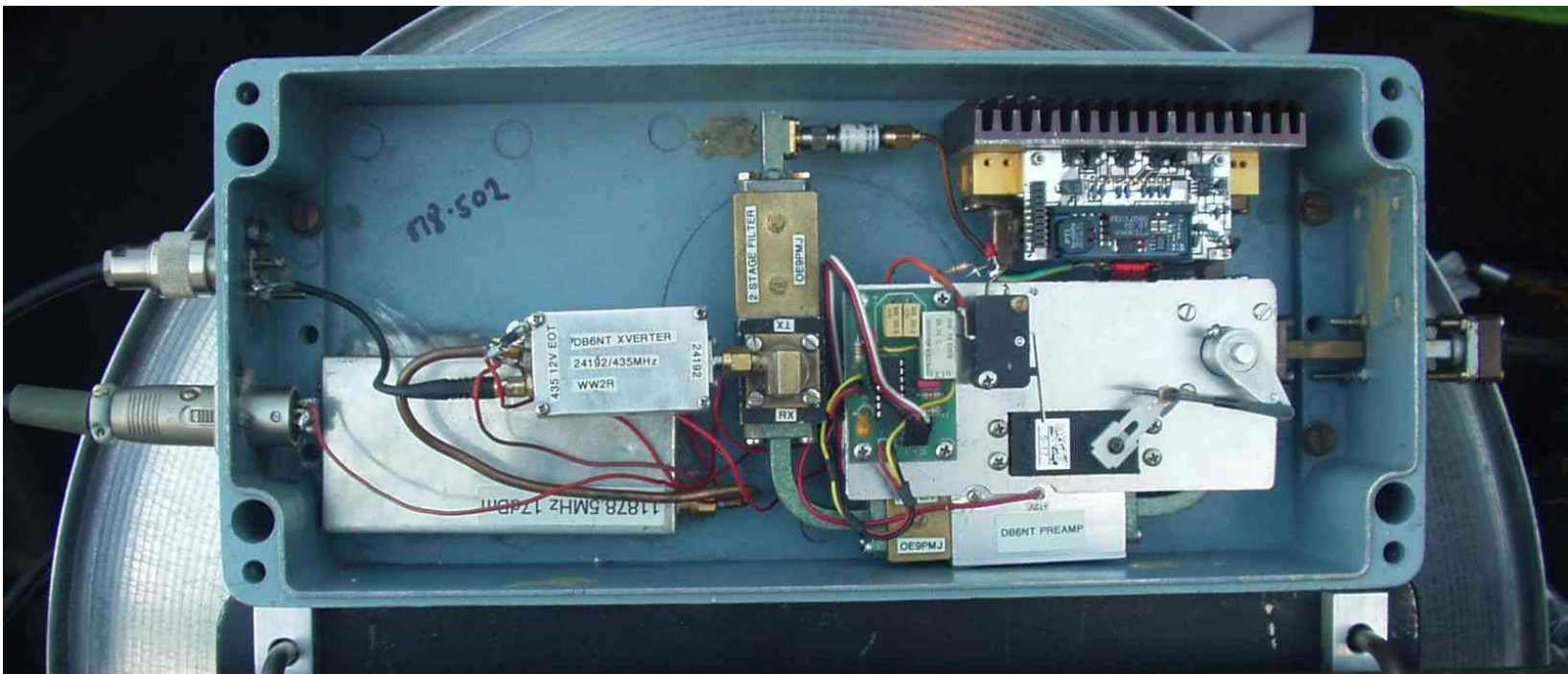
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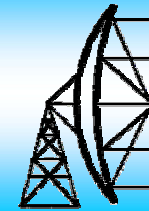
24G Transverter



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W5ZN Dualband 10/24G feed

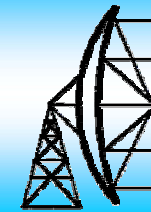


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Using Dualband feed means if signal is peaked on 10G it will also be peaked on 24G

Dish/Mount



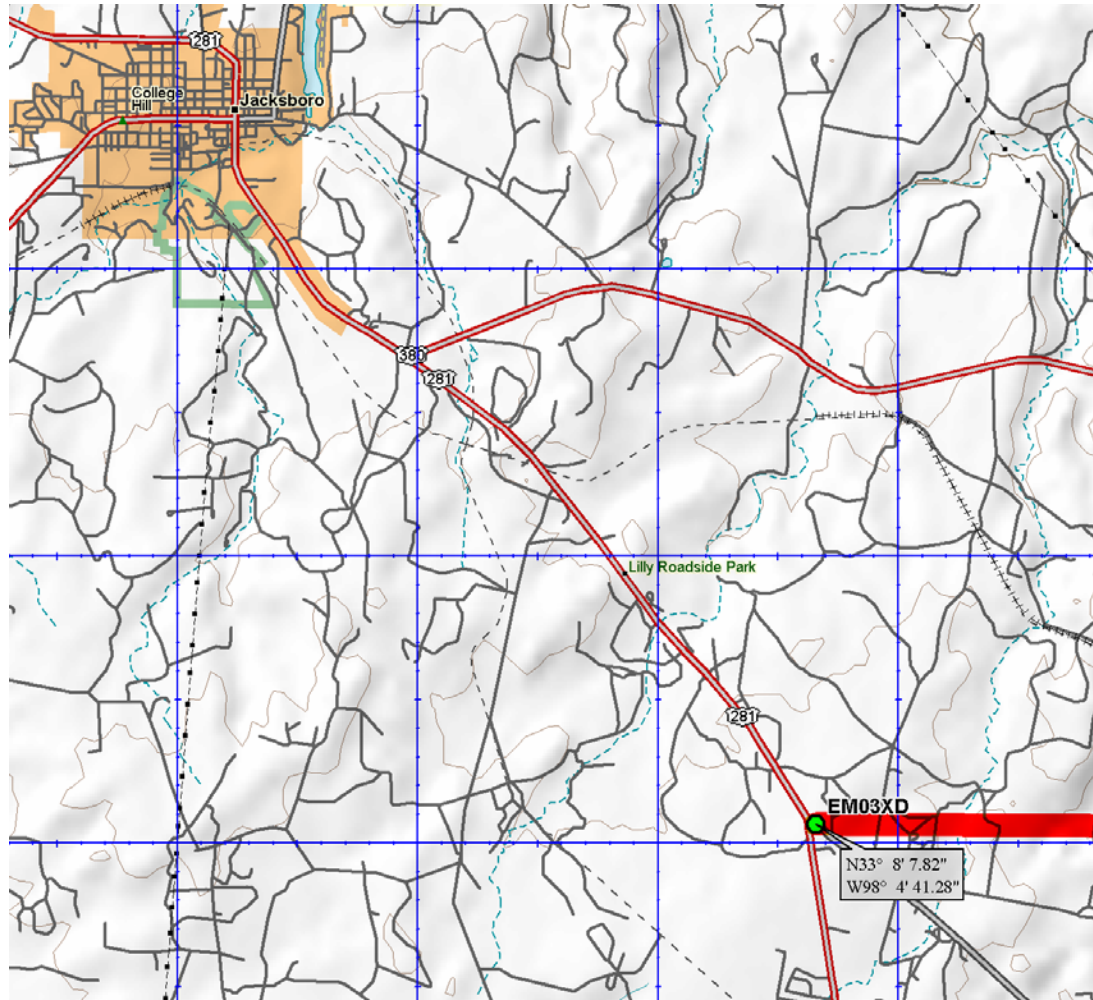
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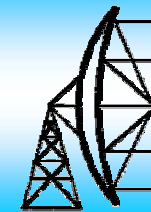
EM03XD Jacksboro



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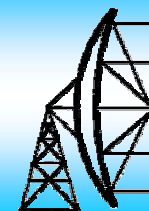
EM03XD: roadside



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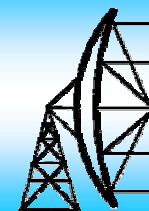
EM03XD towards W5LUA/AA5C



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EM03: Results



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10GHz

Worked W5LUA 59 SSB EM13PC 125km

Worked AA5C 579 CW

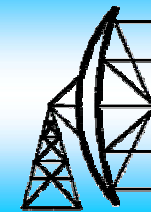
Heard NT5NT/B 549 EM  2PX 126km

24GHz

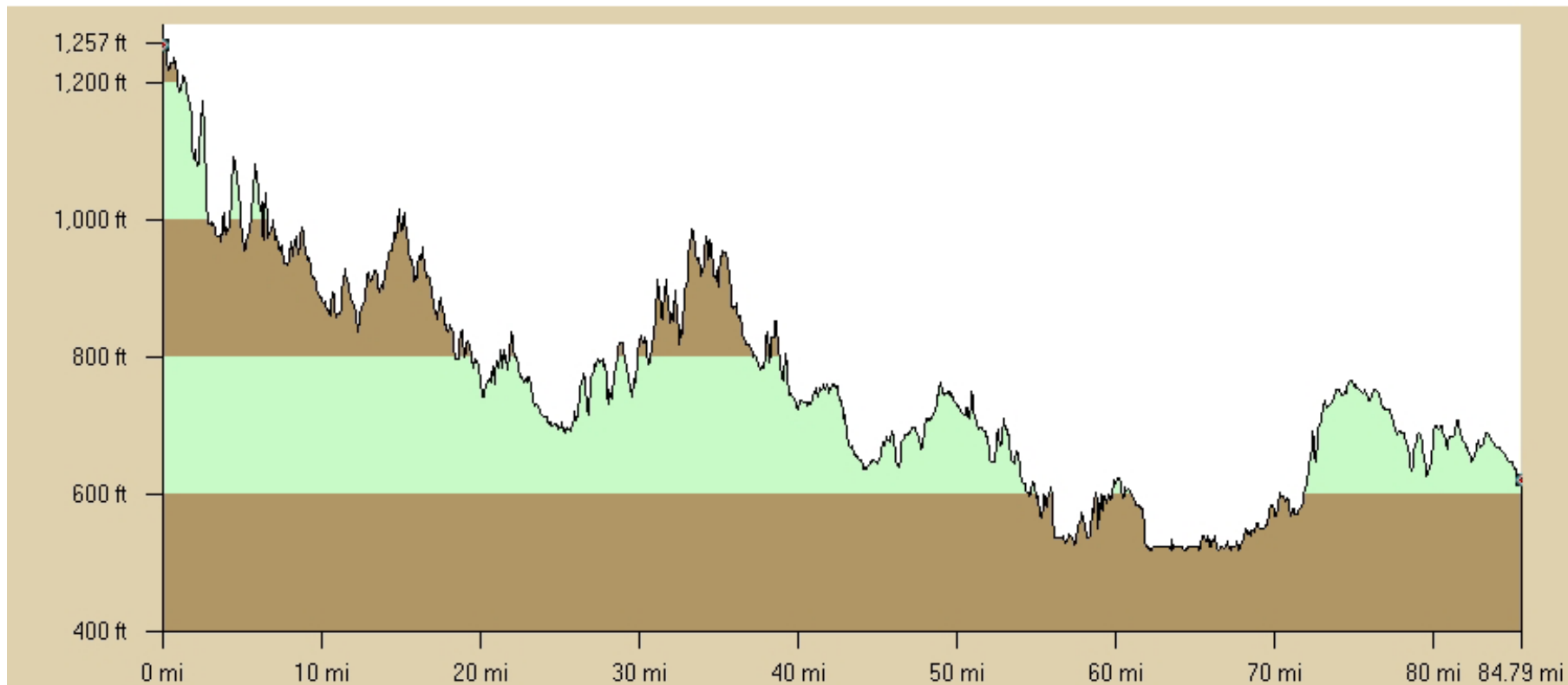
Worked W5LUA 57 SSB EM13PC 125km

No signals either way with AA5C

EM03XD → EM13PC



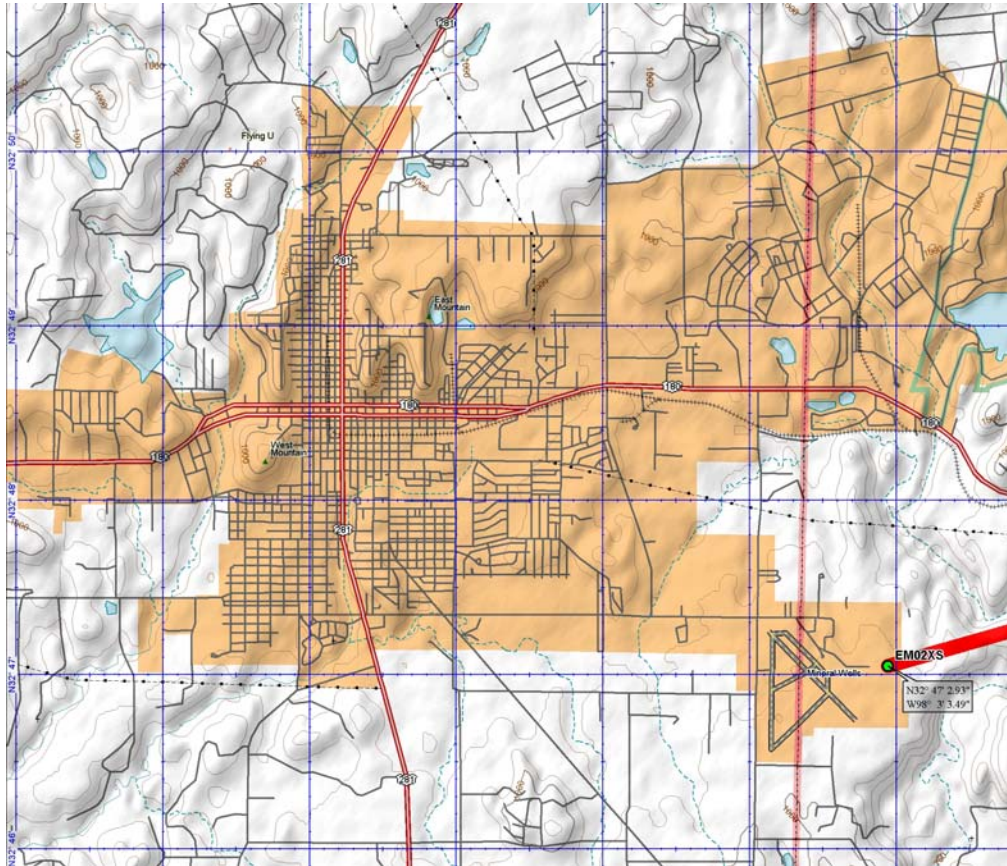
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EM02XS: Mineral Wells Airport



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EM02XS Roadside



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EM02XS: Mineral Wells Airport



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N



E



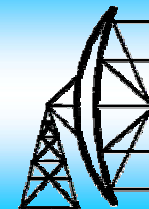
S



W



EM02XS: Towards W5LUA/AA5C



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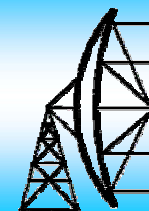
Equipment mount



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EM02: Results



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10GHz

Worked W5LUA 57 SSB EM13PC 130km

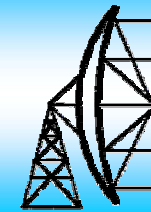
Failed to work AA5C but heard him 559 CW

Heard NT5NT/B 519 EM12PX 127km

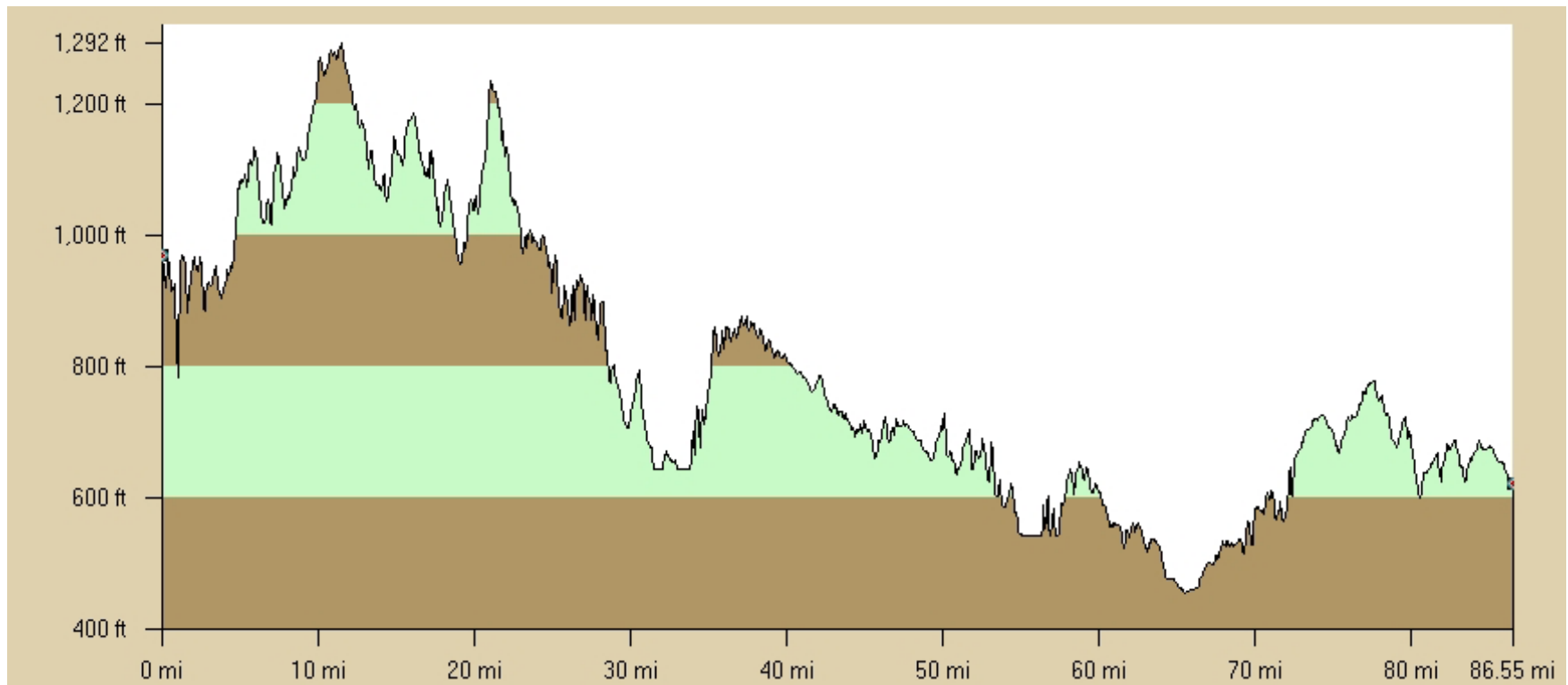
24GHz

Worked W5LUA 559 CW EM13PC 130km

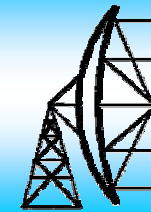
EM02XS → EM13PC



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Lessons Learnt?



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- 1. Always take a yagi for talkback. Just because others have made it on a loop does not mean you will as well.**
- 2. Make sure when you take the FT817 apart you plug the speaker back in**
- 3. If you have a kW generator don't forget you can use amplifiers on talkback**
- 4. Take a frequency reference/marker oscillator.**