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**SATERN Trailer**

1 message

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Fri, Apr 13, 2018 at 12:44 PM

To All,

I have attached a conceptual drawing depicting how we could mount an antenna mast to the SATERN trailer when deployed. Some thoughts:

- The idea is to have some way to put up an antenna without reliance on trees, etc. If the trailer were deployed, there is a strong possibility that it would be placed in a parking lot somewhere. No trees and no way to drive in guy wire stakes.
- We talked about a drive on mast base. This is still an option, but there are some things to be aware of. One thing is that it could not be placed under the wheels of the trailer because the mast would interfere with opening the side window panel of the trailer. Another option would be to place the drive on base under the jack wheel on the tongue of the trailer. The concern would be whether there would be enough tongue weight to adequately keep things rigid. The other would be the very small footprint of the jack wheel vs. the trailer wheel on the base. Again these are just thoughts.
- The door swings out over a portion of the trailer tongue. I don't remember how far, but that may be a problem with the attached design. I'll have to take pictures and measure things when I get a chance.
- If the door swing is a problem I could modify the design such that it would mount upside down on the trailer tongue.
- The base would be attached to the V-portion of the trailer tongue using U-bolts.
- The hole near the top of the mast support is to pin the mast to support when installed.

I welcome any ideas or feedback you may have on this. Nothing is cast in stone and there may be better ideas out there. Let me know.

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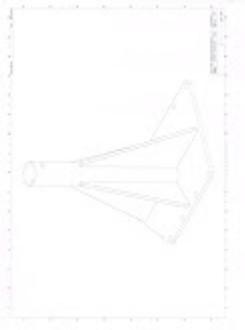
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**Mast Mount.jpg**



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