



# National Radio Astronomy Observatory

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## **Bracket for Waveguide Extension at B rack**

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A few years back RFI shielding was added to the B rack. This necessitated the addition of a six inch extension of waveguide between the modem and the transition. This extension has proven to be a problem.

Because the length of the transition varies with each channel and because there appears to have been no standard distance that the waveguide protrudes from the vertex wall, stress is applied to the six inch extension causing broken solder joints or twisting.

By adding an additional clamp to the waveguide protruding from the vertex wall and attaching turnbuckles between the two clamps we can eliminate the stress on the six inch piece of waveguide.

The modification will be installed as needed.

