## New Directions In Amateur SETI Receiver design Marcus Leech, VE3MDL Argus Station: FN14xw

## Abstract

Amateur SETI has traditionally used conventional receiving equipment, usually from the amateur (ham) radio community. Such equipment has many disadvantages for dedicated SETI and radio astronomy use, not the least of which is the high cost. In addition, the available bandwidth with such equipment is typically rather poor, leading both to a distinct lack of sensitivity for conventional radio astronomy, and very poor instantaneous spectral bandwidth for SETI observations. Presented is a design approach that addresses both the high cost, and poor spectral bandwidth issues, using modern directconversion techniques.