

April 6, 2005

This report is in support of an application by Technalogix Ltd. for certification of transmitting equipment used for UHF television systems (470-806 MHz). Specifically, Technalogix is requesting certification of the Technalogix TAU-100 UHF television amplifier.

The TAU-100 accepts modulated television signals from a TV modulator and supplies a 100-watt peak video signal in addition to 10% aural power on any of the UHF channels (14 through 69).

Tests were conducted on production models of the equipment on location at Technalogix:

#4, 8021 Edgar Industrial Place  
Red Deer, Alberta  
Canada T4P 3R3  
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All tests were carried out on representative channels in the VHF and UHF bands in accordance with FCC Part 73 and Part 74. The results in the attached documentation show that the equipment meets or exceeds the required specifications.

Included with the documentation is:

- Drawing of the FCC label that will be attached to the equipment
- Test report
- RF exposure statements
- Construction photos
- Technalogix user manual. The user manual includes block diagrams of the various systems and sub-systems, schematics and printed circuit board component outlines, and specifications.

The emission designators based on FCC Part 74 transmitters are 5M75C3F (for visual) and 250KF3E (for aural).

Should you have any questions, please do not hesitate to contact Technalogix:

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