APPLIED MICRO DESIGN

Exhibit 01
User's Manual Clarification
Model 1465 Head End System
KDB 594280

Purpose of This Document

Section 4.1.3 of the User's Manual, Revision 4 (WTC4, Head End System, Channelized Bi-Directional Amplifier) describes the procedure used to update firmware running in the amplifier processor board.

The purpose of this document is to provide background information about where the firmware updates originate and who can load the updated firmware onto the processor board.

Revision of Firmware

The Model 1464 Head End System was designed and built by Applied Micro Design, Inc. (AMDI). Design includes hardware design, embedded firmware, and the software Graphic User Interface) GUI.

The firmware is proprietary code; no one outside AMDI has access to the source code, and no one outside AMDI can modify or change this code.

The ability to update the firmware was added for the convenience of the customer. It allows the customer to change external interfaces (RACS, Ethernet, and LED's) as system requirements change.

No changes will be made that can affect any of the RF parameters of the amplifier. Changes will be tested in-house before being sent to the customer.

The firmware runs under control of a bootloader that transfers the firmware from a device drive to the processor board using an Ethernet interface. The bootloader is proprietary code that was also written by AMDI.

Uploading Revised Firmware

Before uploading new firmware to the amplifier, the user must first enter a valid Userid and Password. This was done to prevent unauthorized personnel from making any changes to the system operation. The system is shipped with a default Userid and Password; both can be changed by the system administrator.