Receiver Modification Status

After running tests using the Maxim Adaptive Equalizer Test Board, described in the Modification to Receiver Board document, we redesigned the Receiver Board to use the Maxim part and produced a prototype. The prototype worked acceptably but not as well as predicted from the tests run previously, which indicated that we should have been able to run at 300’ of LMR-200 cable (after 300’ the Maxim part did not have enough gain although it was still working well at cleaning the eye pattern so an extra gain stage might increase the range). After examining the board, we decided to try another prototype with 2 different layouts for the input stage. We are in the process of assembling and testing these new prototypes after which we will pick the one that works best, if there is a difference, and proceed with the next production run of receivers. This should be finished by the middle of August, 2003.