

BROOKHAVEN NATIONAL LABORATORY
Alternating Gradient Synchrotron Department
MEMORANDUM

DATE: March 18, 1999
TO: H. Kirk
FROM: V. LoDestro
SUBJECT: 70 MHz 8973 Amplifier Test Proposal

1.0 Scope of Work:

This proposed test specification, is intended to describe a plan for the testing and modification of one 8973 LBL Hilac Power Amplifier System and associated tubes. The work will address, in two phases, all major tasks, and sum costs and labor estimates. Don Howard's original test estimate dated 10/1/98 is referenced as the source for LBL labor costs and task details. The work is intended to be performed without interruption spanning two fiscal years. (Late Summer through fall 99)

It should be stated that not all the equipment made operational for this test will be available to BNL. A second estimate detailing the BNL requirements will be made as this test proceeds.

All labor costs are per hour as per LBL estimated rates per discipline:

Mechanical Engineer	\$76.00
Mechanical Tech	54.70
Electronic Engineer	100.00
Electrical Contractor	66.58
Electronic Tech.	64.20
Electronic Planner/Designer	71.31
Project Manager	100.00

Vlo : 70MHZ_tst.doc
Attachment : 70MHZ_tst EXCEL Document