

Operational Experience with the ELETTRA RF System, M. BOCCIALI, A. FABRIS, D. LACHI, C. PASOTTI, M. RINALDI, M. SVANDRLIK, Sincrotrone Trieste - The ELETTRA RF system has been in operation from October 1993 and now has exceeded 20000 running hours. With four 500 MHz cavities powered by four 60 kW transmitters, ELETTRA has successfully delivered synchrotron light to the users with 300 mA of stored current at 2 GeV in multibunch mode, which is 1.5 times the initial target value (200 mA at 2 GeV). The RF system has worked very satisfactorily. Apart from the usual problems of debugging a new system, the main problem encountered during the operation period came from the coaxial power transmission line. The global operational experience gained during these years of operation and the performances of the various elements making up the ELETTRA RF system will be reported.