Layout of the ANKA RF System, D. EINFELD, F. PEREZ, S. VOIGT, Forschungszentrum Karlsruhe; A. FABRIS, M. SVANDRLIK, Sincrotrone Trieste - The new 2.5 GeV synchrotron radiation light source ANKA is under construction at FZK, Karlsruhe. The energy loss during one turn is 662 keV. For a circulating current of 400 mA a beam power of 262 kW is required. Roughly 210 kW have to be provided to the cavities in order to get an overall accelerating voltage up to 2.4 MV. The RF system exist of two 250 kW klystrons, the waveguide system with a circulator, a magic T and a phase shifter for the correct phasing of the cavities in order to feed two cavities by one klystron. The whole RF system must be installed in the inside of the storage ring. Two 250 kW klystrons with an efficiency of more than 62% will be used to feed totally four ELETTRA cavities operating at a frequency of 499.65 Mhz. The low level electronic which consist of a frequency loop, an amplitude loop and a phase loop guarantees a stable operation with a high reliability. The actual layout of the ANKA RF system will be presented in this contribution.