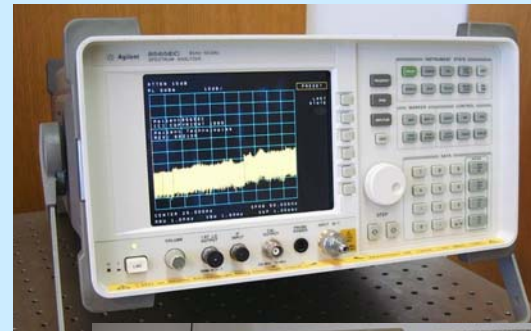


**Radiation and Optics Laboratory
Faculty of Electrical Engineering
University of Ljubljana**

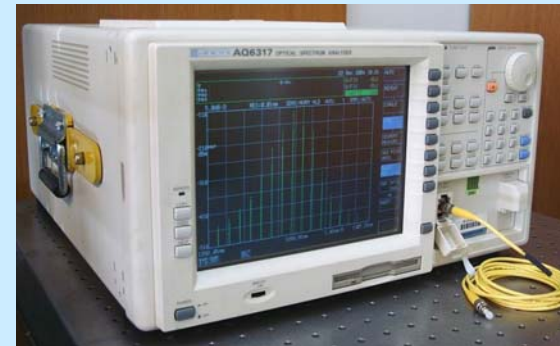
Prof. dr. Matjaž Vidmar

<http://antena.fe.uni-lj.si>

RF laboratory equipment



Optical laboratory equipment



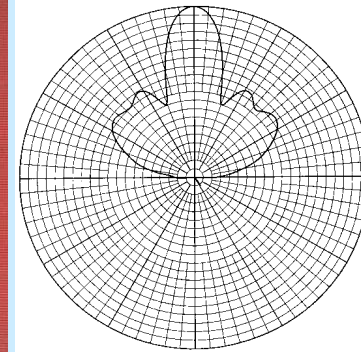
3rd DS3 Technical Meeting

ESTHER and ATLAS projects



Radiation and Optics Laboratory, University of Ljubljana

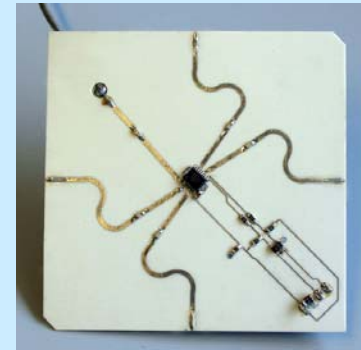
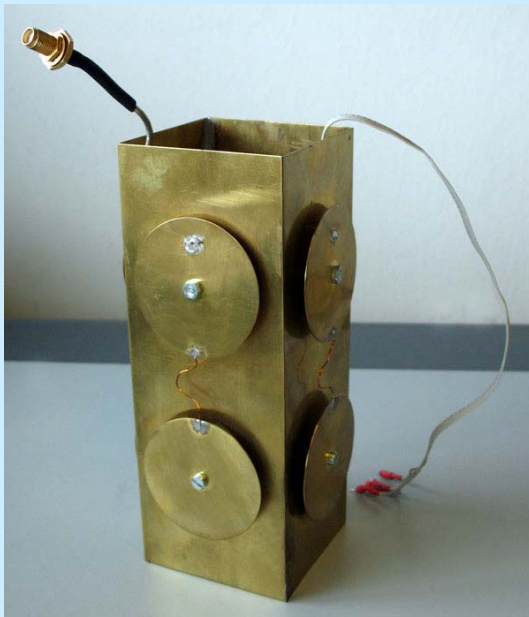
Antenna design

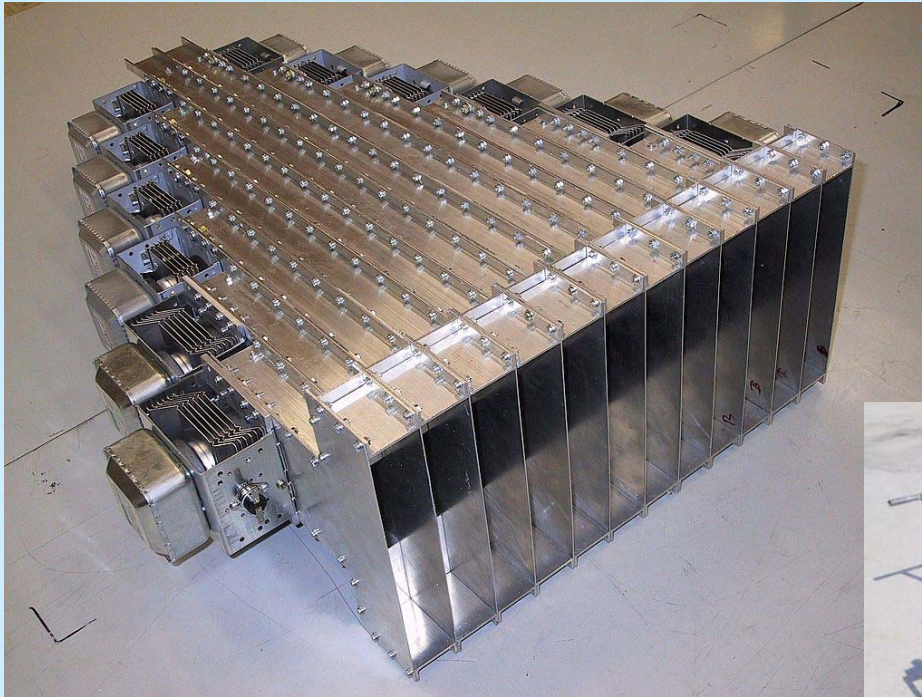


F = 2640 MHz
-3dB SIRINA GLAVNEGA LISTA = 13.78 STOPINJ
MERILO: LOGARITMSKO
RAZPON: 40 dB



WiMAX adaptive antenna design

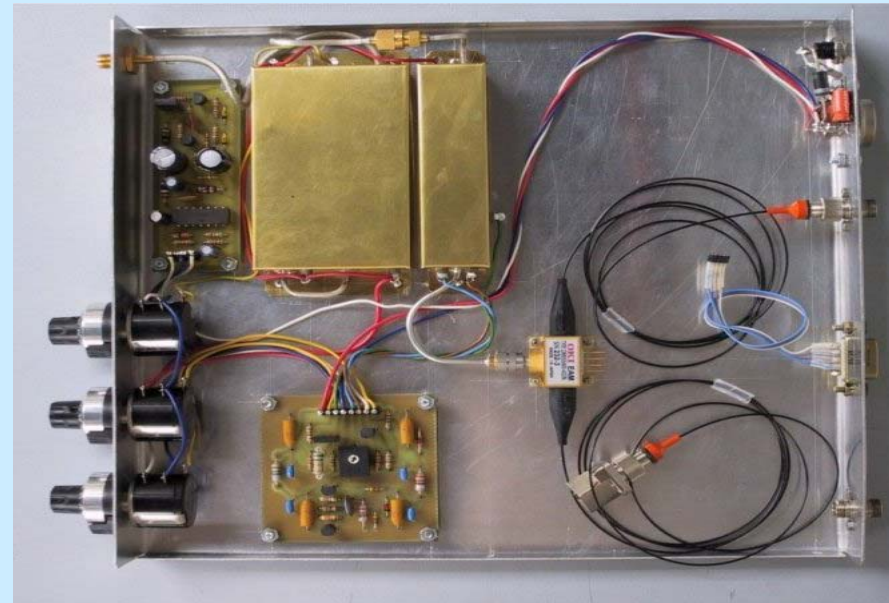




Industrial applications of microwaves

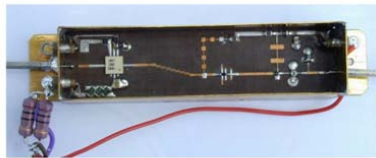


High-speed support electronics for optical components and networks

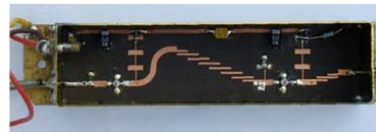




80 GHz subharmonic mixer



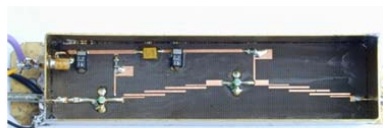
17.5 to 35 GHz frequency multiplier



17.5 GHz amplifier

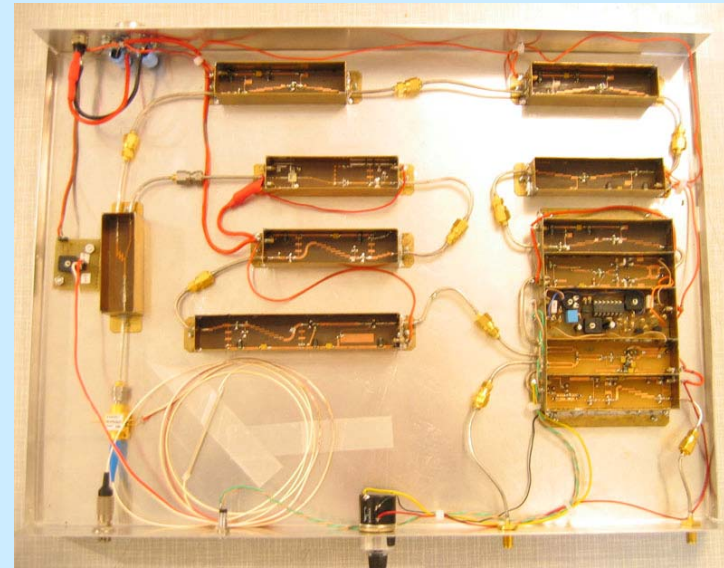


2.5 - 17.5 GHz multiplier

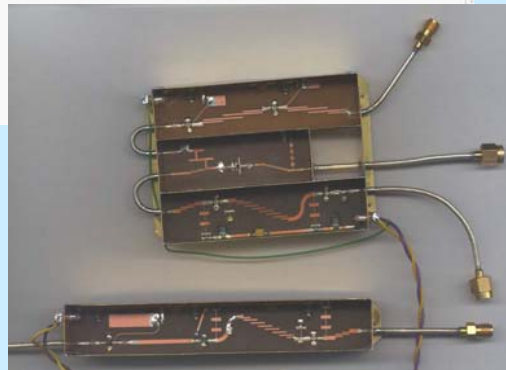
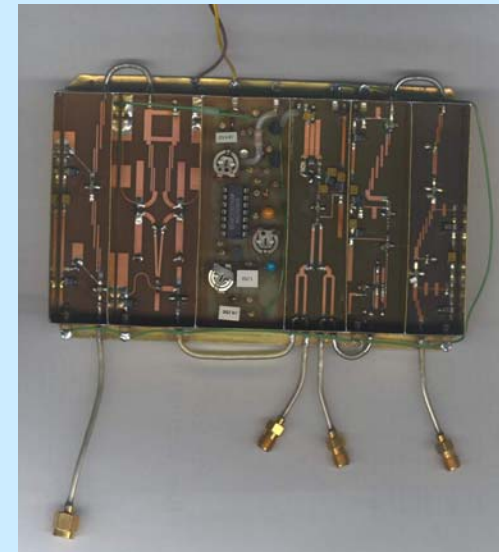
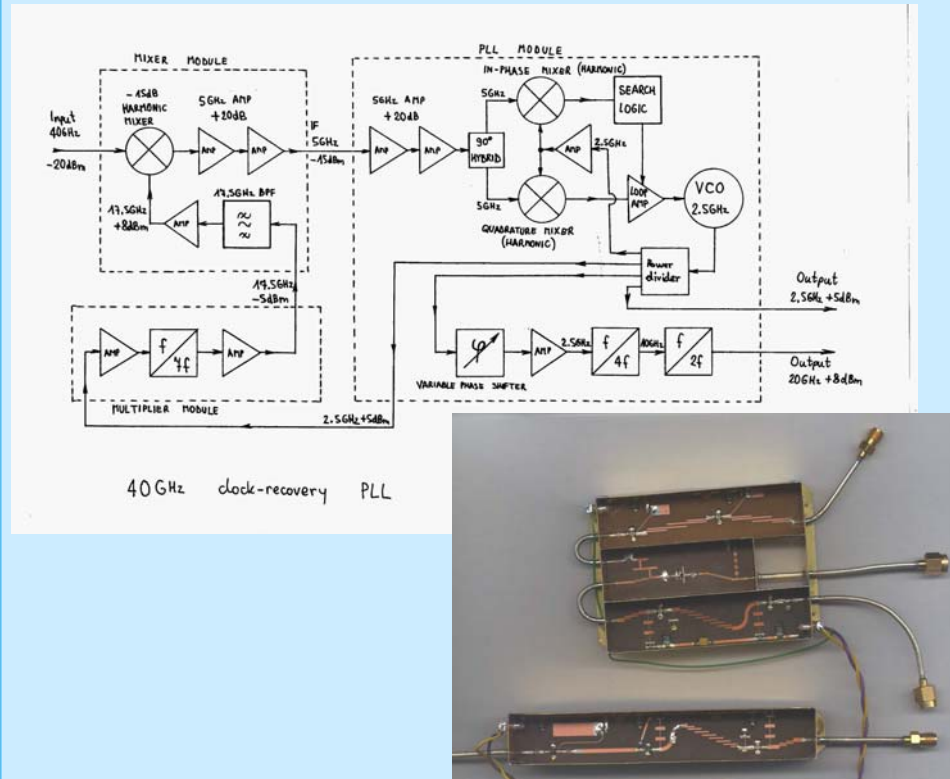


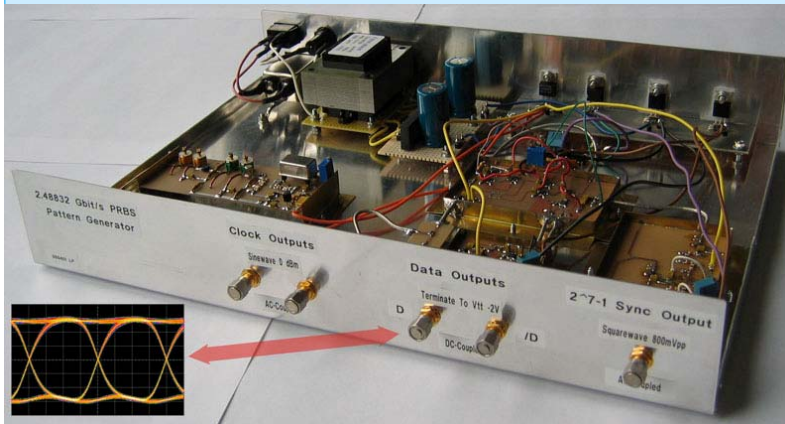
10 GHz IF amplifier

80 Gbps clock recovery



40GHz clock-recovery phase-locked loop

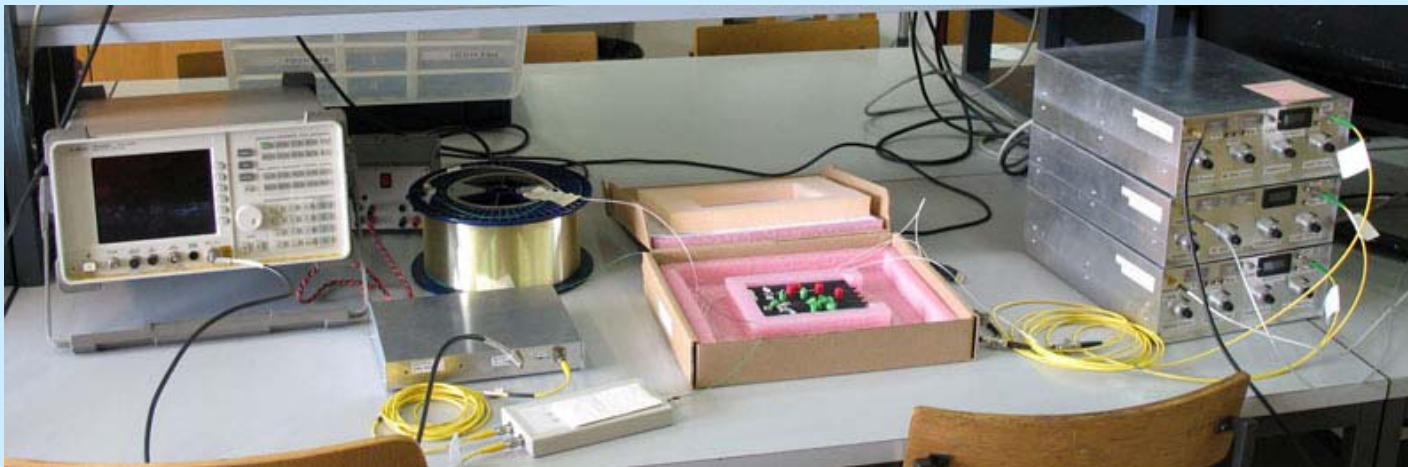




2.5 Gbps pattern generator and BER tester



Optically steerable antenna array for radio over fibre transmission



Laboratory courses

