

Latest Results on Portable X-band Linac Development, H. DERUYTER, A.V. MISHIN, T. ROUMBANIS, R. SCHONBERG, SRC - Efficiency of X-band portable linacs for various applications has been substantially improved and now exceeds 40%. Advanced design and some improvements to the existing MINAC provided encouraging experimental results with the same 1.5 MW magnetron. Two additions to the existing product line are considered. Electron beam energy, current, dose rate at 1 m from a heavy metal target and section length for two new linac models are 5 MeV, 100 mA, 500 R/min, 0.4 m and 9 MeV, 100 mA, 1000 R/m, 1 m.