

K

HIGH POWER MICROWAVES (FOCUSSED SESSION)

Chairman: J. Goel—TRW

Session Abstract: This focused session presents the recent advances in high power microwave power generation and its applications. The first paper presents experimental data on PIN diode limiter leakage and recovery time. The second paper presents a novel combining structure with very low losses. The third paper provides an overview of the developments in the solid state and power tube areas from 0.3 to 100 GHz. The fourth paper discusses the method of reception of microwave power from a remote location and its conversion to DC power. The fifth paper provides new methods for sintering ceramics to improve the grain size and decrease the production costs. The last paper presents the experimental results on power levels needed to damage FET amplifiers and relates these results to a model to describe the damage sequence.

**4:00 pm–5:30 pm, May 25, 1988
Jacob Javits Convention Center, Hall 1E
Room 3**