Session VIII

Systems Applications

(Joint with MTT-S)

Chairman:

A. Gupta
Westinghouse ESC

Co-Chairman:

S. Bharj
Princeton Microwave Technology Inc.

This session is devoted to MMICs developed for commercial and military systems. The presentations cover DBS, PCS, GPS and serrodyne applications. The first paper describes a family of HEMT based MMICs for commercial DBS receivers. This is followed by a paper describing the MCMs developed for the IRIDIUM communications system. The next paper describes the performance of a broadband frequency translator utilizing a 5-bit digital phase shifter. A 1.9 GHz chip set with low power consumption is described in the next paper. A linear power amplifier with 45% power added efficiency is reported. The final paper of this session describes a miniature GPS translator module for tracking munitions.

8:30 a.m.–10:00 a.m., Tuesday, May 16, 1995
Room CC-A1