

Session TH2B

Low Noise Receivers

Chairman:

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Some exciting advances in the field of low noise receivers as well as their associated components are presented. We start with a monolithic W-band LNA/detector for a very sensitive receiver, a radiometer followed by recent advances in Q and E-band cryogenically cooled amplifiers. We then present a 4 stage C-band monolithic amplifier that uses lumped elements to reduce the overall size of the unit. Some recent results in low noise Hetero-junction Bipolar Transistors for mixed mode applications. The session is then concluded with a discussion of Q and V-band MMIC chip sets using 0.1 micron millimeter-wave low noise InP HEMTs.

10:30 a.m.–12:00 p.m., Thursday, May 18, 1995
Room A2