

# Abstracts

## Fiber Optic Fed C-Band Active Phased Array Antennas

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A.S. Daryoush, R. Saedi, N. Samant, P.R. Herczfeld and M. Belaga. "Fiber Optic Fed C-Band Active Phased Array Antennas." 1992 MTT-S International Microwave Symposium Digest 92.1 (1992 Vol. I [MWSYM]): 437-440.

Experimental results are presented demonstrating operation of optically controlled phased array antennas at C-band. More specifically we present experimental results of optically controlled 2x4 MMIC based active T/R modules over the frequency of 5.5 to 5.8GHz. Custom designed fiber optic links have been employed to provide distribution of data and frequency reference signals to phased array antennas used in T/R Level Data Mixing architecture system.

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