

Abstracts

Broadband millimeter-wave fiber-radio network incorporating remote up/downconversion

G.H. Smith and D. Novak. "Broadband millimeter-wave fiber-radio network incorporating remote up/downconversion." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1509-1512.

A high capacity full-duplex millimeter-wave fiber-radio network which incorporates remote up and downconversion is demonstrated. This technique minimizes fiber dispersion-induced phase noise, allowing higher-order modulation formats to be incorporated which increase network capacity and spectral efficiency. Remote up and downconversion also enables lower cost components to be employed throughout the network.

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