

Abstracts

A New Concept of LANs: Passive Microwave Links Hooked Onto a Fiber Optic Backbone

S. Meyer, J. Guena, J.C. Leost, E. Penard and M. Goloubkoff. "A New Concept of LANs: Passive Microwave Links Hooked Onto a Fiber Optic Backbone." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1549-1552.

We present two new concepts that we propose to apply to microwave LANs: - Passive terminal stations, acting as transponders in which no microwave power is generated. This avoids users to be exposed to the microwave field generated in their terminals. - Fixed stations where most of the microwave active functions are transferred to a central station by means of a fiber optic link. This allows the microwave hardware in these stations to be very simple. An experiment regarding such a system, working at 2.45 GHz is presented.

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