Abstracts

Cascaded External Optical Modulation Link for Radio Distribution

H. Ogawa, K. Horikawa and Y. Nakasuka. "Cascaded External Optical Modulation Link for Radio Distribution." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 487-490.

This paper proposes a fiber optic link configuration for radio distribution networks using cascaded radio base stations. The fiber optic link consists of cascaded external optical modulatos (EOMs) that are intensity modulated by radio frequencies from user terminals. The EOMs are connected through fiber cables in series. The link is experimentally investigated at microwave frequencies. The 1.7-GHz QPSK MODEM is connected to the fiber optic link and the transmission characteristics are evaluated using interference signals.

❑ Return to main document.