

Abstracts

A good prospect for broadband millimeter-wave fiber-radio access system-an approach to single optical component at antenna base station

K.-I. Kitayama, T. Kuri, R. Heinzelmann, A. Stohr, D. Jager and Y. Takahashi. "A good prospect for broadband millimeter-wave fiber-radio access system-an approach to single optical component at antenna base station." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1745-1748.

To realize low-cost antenna base station (BS) of the millimeter-wave (mm-wave) fiber-radio access systems, an approach to a single optical component at the BS is presented by introducing 60-GHz-band electroabsorption transceiver (EAT). By using an EAT the full-duplex 60-GHz mm-wave 156-Mb/s access system and optical add-drop multiplexing of WDM ring network will be discussed.

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