

## Channel Multiplexing Network for a 20-GHz Radio-Relay Transmission System (Short Papers)

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*I. Ohtomo, K. Yamada and T. Nunotani. "Channel Multiplexing Network for a 20-GHz Radio-Relay Transmission System (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.7 (Jul. 1973 [T-MTT]): 492-494.*

The Nippon Telegraph and Telephone Public Corporation (NTT) plans to make a field test for the practical application of the 20-GHz radio-relay transmission system. This short paper describes channel multiplexing-demultiplexing networks fabricated for use in this test. Overall loss of the network constructed by three stages, namely, a Vertical-horizontal (V-H) polarizing filter, a transmit-receive filter, and a channel-dropping filter, is 5 dB, even though a 2-dB loss of a flexible waveguide is included.

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