Abstracts

A 4, 6, 20 and 30 GHz Band Branching Network Using a Multilayer Dielectric Filter for a Satellite Communication Earth Station (1976 [MWSYM])

I. Ohtomo, S. Shindo and M. Koyama. "A 4, 6, 20 and 30 GHz Band Branching Network Using a Multilayer Dielectric Filter for a Satellite Communication Earth Station (1976 [MWSYM])." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 52-54.

A four frequency broadband branching network has been designed for transferring microwave (4 and 6 GHz) and millimeter-wave (20 and 30 GHz) band signals between an antenna and transmitter-receivers in a satellite communication earth station. Measurements show that its insertion loss, VSWR and axial ratio are less than 1.2 dB, 1.2 and 2.1 dB, respectively.

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