

Abstracts

Planar digital-beamforming antenna for satellite navigation

A. Dreher, T. Hekmat, N.E. Niklasch, M. Lieke, F. Klefenz and A. Schroth. "Planar digital-beamforming antenna for satellite navigation." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 647-650 vol.2.

A planar digital-beamforming (DBF) antenna for user terminals in future satellite navigation systems has been developed to improve the overall system performance. A C-band breadboard model including aperture coupled patches, receiver and signal-processing unit has been designed, manufactured and tested.

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