

Abstracts

Beam-forming network characteristics of spatial optical signal processing array antenna for multibeam reception

O. Shibata, K. Inagaki and Y. Karasawa. "Beam-forming network characteristics of spatial optical signal processing array antenna for multibeam reception." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1371-1374.

We have experimentally investigated the basic characteristics of a beam-forming network in a spatial optical signal processing array antenna for multibeam reception. In this experiment, two RF signals, which were simulated multibeam antenna receiving signals from different directions, were separated according to the signal arrival direction in the optical domain. The obtained results generally agreed with calculated values.

[Return to main document.](#)