

Abstracts

Self-tracking duplex communication link using integrated retrodirective antennas

S.L. Karode and V.F. Fusco. "Self-tracking duplex communication link using integrated retrodirective antennas." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 977-980.

A new type of active retrodirective antenna array for full duplex transceiver applications is presented in this paper. The architecture of a dual frequency retrodirective array normally used only for returning an encoded signal to its originating source has been modified to now include a receive function. The usefulness of this new architecture is demonstrated by constructing a bi-directional communication link based on two identical architectures operating in conjunction with a single pilot signal.

[Return to main document.](#)