Abstracts

A Conformal Retrodirective Array for Radar Applications Using a Heterodyne Phased Scattering Element

C.W. Pobanz and T. Itoh. "A Conformal Retrodirective Array for Radar Applications Using a Heterodyne Phased Scattering Element." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 905-908.

A 6 GHz retrodirective antenna array has been developed for use in radar and backscatter-mode communication systems. The array is based on a novel microstrip mixer-antenna element that provides the conjugate phase shift necessary for retro-reflection of incident signals, and which responds to all polarizations.

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