

Abstracts

Antennas on high-impedance ground planes

D. Sievenpiper, R. Broas and E. Yablonovitch. "Antennas on high-impedance ground planes." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1245-1248 vol.3.

A new type of metallic electromagnetic structure has been developed that is characterized by having high surface impedance. Unlike normal conductors, this new surface does not support propagating surface currents, and it reflects electromagnetic waves with no phase reversal. This unique material can serve as the ground plane for new kinds of low-profile antennas.

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