Abstracts

W-Band Collision Avoidance Radar for Light Rail Applications

M. Sholley, R. Alvarez, T. Leary, D. Renkowitz, S. Schell, L. Wendel, D. Cisneros, W. Brunner, B. Osgood, C. Gage, J. Alley, T. Cazares and P. Yocum. "W-Band Collision Avoidance Radar for Light Rail Applications." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. I [MWSYM]): 321-324.

W-Band Radar Transceiver System is applied to the application of detecting obstacles on the direct Rail path of an on-coming train. This paper presents the system concept, and the initial data confirming the performance requirement of detecting an adult 1000 ft away in a highly cluttered environment. This work was performed on contract for the Siemens Transportation Systems, Inc. and Los Angeles County Metropolitan Transportation Authority.

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