

Abstracts

5.8 GHz Phased Array Antenna for Electronic Toll Collection in Road Traffic Applications

W. Grabow, T. Wixforth and H. Ziegler. "5.8 GHz Phased Array Antenna for Electronic Toll Collection in Road Traffic Applications." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. 1 [MWSYM]): 325-328.

Concept and realization of a phased array antenna for road traffic applications based on the 5.8 GHz dedicated short range communication standard is presented. Localization and tracking of vehicles is possible even at high velocities and under critical signal situations. Measurements confirm a robust system performance and high reliability.

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