

35-GHz-Dopplerradar for Law Enforcement Agencies in Europe

R. Westphal and A. Kessler. "35-GHz-Dopplerradar for Law Enforcement Agencies in Europe." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1031-1033.

The accuracy of stationary Ka-band-dopplerradars for law-enforcement agencies is discussed as a function of numerous parameters. The experimental setup for the studies comprises a dual channel 35-GHz-CW-dopplerradar with selectable transmit polarization, direction of motion sensing capability and a signal recording system. The results of the experiments provide basic data to design law-enforcement radars at Ka-Band. The dominant scatterers and their location on the vehicle will be determined.

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