Abstracts

A realtime close-range imaging system with fixed antennas

B. Michael and W. Menzel. "A realtime close-range imaging system with fixed antennas." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1411-1414.

A coherent system with two stepped frequency radar sensors separated by 1-2 m is presented for close range imaging. Resolution is achieved via range resolution from the two different sensor positions, exploiting both mono- and bistatic responses. First test had been made using vector measurement equipment for an antenna measurement range as radar simulator, and a mobile experimental system was built up and tested including stationary and mobile targets.

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