

Abstracts

Millimeter-wave FMCW/monopulse radar front-end for automotive applications

D.D. Si, S.C. Luo, C. Pero, Xiaodong Wu and R. Knox. "Millimeter-wave FMCW/monopulse radar front-end for automotive applications." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. 1 [MWSYM]): 277-280 vol. 1.

This paper reports on the development of an FMCW/monopulse radar front-end design capable of acquiring the range and angular information of all obstacles in its field-of-view simultaneously without using a scanning or switching antenna. Design tradeoffs are discussed and radar front-end test results are presented.

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