

Abstracts

Digital Channelized IFM Receiver

T.W. Fields, D.L. Sharpin and J.B. Tsui. "Digital Channelized IFM Receiver." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1667-1670.

This paper introduces the concept of a digital channelized instantaneous frequency measurement receiver for electronic warfare applications. A technique to estimate the instantaneous frequency of two simultaneous signals in the same channel of the receiver is developed and the frequency estimation is compared to the Cramer-Rao bound.

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