

Abstracts

Simultaneous Pulse Separator

P. Wahi and Z. Turski. "Simultaneous Pulse Separator." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 80-82.

Simultaneous signals in EW/IFM receivers escape unnoticed, thus lowering the probability of intercept. Propagation of these signals through a highly dispersive delay line should separate them in time domain. Magnetostatic waves are inherently dispersive and, therefore, offer great promise for correcting the simultaneous signals problem directly at microwave frequencies. A simultaneous pulse separator using a dispersive delay line is proposed, and the experimental results of an MSW dispersive delay line are reported.

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