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A Method of Direct Conversion Single Sideband Reception

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A METHOD OF DIRECT CONVERSION
SINGLE SIDEBAND RECEPTION

Prepared for a
course requirement of EET 499
for Purdue University

by

Earl R. Scherer

January 4, 1971

A B S T R A C T

This report is about a method of receiving single sideband signals by using direct conversion. By this I mean converting the modulated signal into an audio signal in the first stage of the receiver. The differences of the conventional methods and direct conversion are shown; also the advantages of each. The second part contains block diagrams, theory of operation and the construction of the direct conversion receiver. In the last part my conclusions and results are given.

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