

Abstracts

High Accuracy Digital Quadrature Demodulation

R.J. Inkol, M. Herzig and R. Saper. "High Accuracy Digital Quadrature Demodulation." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1351-1354.

The accuracy of digital quadrature demodulation can be improved by optimizing the matching of the inphase and quadrature channel frequency responses. It is shown that an image rejection performance exceeding 100 dB can be achieved using Finite Impulse Response filters having as few as eleven nonzero coefficients.

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