

Abstracts

A Linearized Modulator for High Performance Bandpass Optical Analog Links

G.E. Betts. "A Linearized Modulator for High Performance Bandpass Optical Analog Links."
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The spurious-free dynamic range of a sub-octave externally modulated optical analog link can be extended to as high as 138 dB-Hz^{4/5} with modest received optical power (only 2.3 mA average photocurrent!) and with very small noise figure penalty by using a simple linearized modulator design biased near its minimum transmission.

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