

Abstracts

Relationship Between Gain and Noise Figure of an Optical Analog Link

C.H. Cox, III, E.I. Ackerman and G.E. Betts. "Relationship Between Gain and Noise Figure of an Optical Analog Link." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1551-1554.

Experimental confirmation is presented of the relationship between link gain and noise figure by varying the optical attenuation in an external modulation link. When we minimized the optical loss we achieved an amplifierless link gain of 31 dB and noise figure of 4.2 dB at 150 MHz.

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