

Abstracts

An Analysis of the AC Bandwidth of Transmission Line Discriminators for FM Noise Measurement

R.S. Brozovich and J.R. Ashley. "An Analysis of the AC Bandwidth of Transmission Line Discriminators for FM Noise Measurement." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 513-514.

An error in [1] motivated a derivation of the frequency response of transmission line discriminators. The derivation properly handles the limit as $f_{\text{sub m}} \rightarrow 0$. Experiments are reported which confirm the DC response of transmission line discriminators and the $(\sin x)/x$ shape of the frequency response characteristics.

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