

Abstracts

A Time-Delay Equalizer Using Directional Filter Cascades (Correspondence)

R.D. Standley. "A Time-Delay Equalizer Using Directional Filter Cascades (Correspondence)." 1971 Transactions on Microwave Theory and Techniques 19.5 (May 1971 [T-MTT]): 497-498.

In the millimeter-wave waveguide system considered for long-distance communication, the dispersive nature of the circular electric TE/sub 01/ mode can produce severe pulse distortion. To correct this problem, equalization of the guide delay distortion characteristic at the intermediate frequency is being considered. This correspondence shows that directional filter cascades are, in theory, capable of performing the required function.

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