Abstracts

Suppression of Multipath and Other Interferers Using Electronically Variable Time Delay Elements

R.E. Askew, D.D. Mawhinney and F. Sterzer. "Suppression of Multipath and Other Interferers Using Electronically Variable Time Delay Elements." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1671-1674.

A circuit that uses electronically variable time delay elements to suppress interfering signals on the basis of their difference-in-time-of-arrival at two spatially separated antennas is described. 40 dB of suppression of wideband interferers was demonstrated in cases where strong, wideband interferers overlapped the frequency of the desired signal, and where the difference in the difference-in-time-of-arrival of interferers and desired signals was as small as 30 picoseconds.

❑ Return to main document.