Abstracts

Reduction of Rain-Crosspolarization by its Dependence on Polarization Directions

L.-s. Lee. "Reduction of Rain-Crosspolarization by its Dependence on Polarization Directions." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 550-553.

Reduction of rain-induced crosspolarization is vital if system designers are to fully exploit frequency reuse. In this paper, a new method is developed for determining the expected crosspolarization level as a function of the polarization directions. It is also shown that we can reduce the crosspolarization by rotating the polarization angles between two fixed angles according to the wind directions.

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