

Abstracts

Millimeter Wave Trends for the '80's

J.C. Wiltse. "Millimeter Wave Trends for the '80's." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 4-5.

Millimeter-wave activity has been increasing for the past several years, motivated by technology advances and an increased need for sensors capable of operating in adverse environments (smoke, fog, dust, rain) or making special remote measurements. Numerous applications are being investigated, but those involving missile guidance, target acquisition and tracking, and remote sensing appear to be providing the greatest impetus. Major measurement programs have been initiated to obtain better characterization of propagation effects (attenuation, backscatter), ground or sea clutter, multipath effects, and target signatures at both millimeter and submillimeter wavelengths.

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