

Abstracts

Surface Characteristics of Metals and Waveguide Attenuation at Millimeter-Wave Frequencies Between 25 and 160 GHz

F.J. Tischer. "Surface Characteristics of Metals and Waveguide Attenuation at Millimeter-Wave Frequencies Between 25 and 160 GHz." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 238-240.

The discrepancies between theoretical and experimental values of the surface resistance of metals are analyzed. Experiments with carefully prepared plane and rough copper surfaces and precision measurements of waveguide losses are described and the results discussed.

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