



Planar Antenna Arrays Using Feed Networks with Nonradiative Dielectric (NRD) Waveguide

By Ulf Schmid

Cuvillier Verlag Nov 2011, 2011. Taschenbuch. Condition: Neu. Neuware - This thesis deals with the investigation and development of low profile, low loss antennas with emphasis on reduced cost implementations for different communication and radar applications in the microwave and millimeter-wave region. All antennas investigated in this work are implemented in the K-band (18 GHz-26.5 GHz) as for this frequency range measurement facilities and power amplifiers were readily available, but actually they lend themselves for applications in the mm-wave range where the low loss characteristic of the NRD-guide is even more pronounced. 155 pp. Englisch.



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