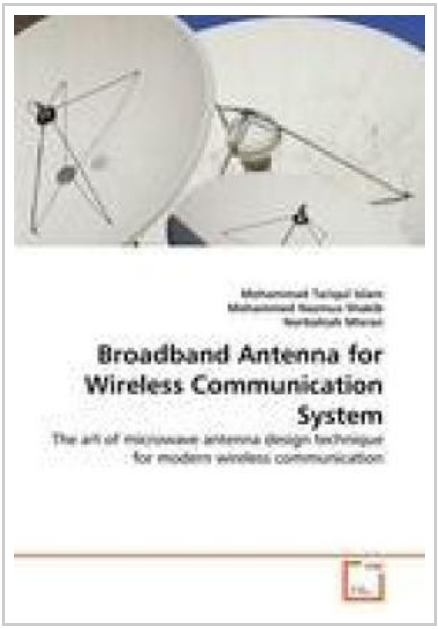


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Broadband Antenna for Wireless Communication System

By Mohammad Tariqul Islam

VDM Verlag Sep 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - This book is intended to illustrate an art of antenna design technique for wireless communication system, and its development and implementation on field of antenna technology. The endeavor is to impart a working knowledge of the subject not just for students and researchers but for the entire wireless community. This book focuses on designing three types of new broadband antennas. Design analysis has been carried out covering the frequency of IMT-2000 and ultrawideband (UWB). The first two types of the antenna designs adopt contemporary techniques; L-probe feeding, inverted patch structure with air-filled dielectric and the new shape patches. The composite effect of integrating these techniques and by introducing the new EE-H and E-H shaped patches, offers a low profile, high gain, broadband, and compact antenna element. The third type of antenna is developed for UWB frequency band which is based on new stacked patch technique with a folded patch feed. The bandwidth is obtained by a stacked patch fed with a folded patch feed; and the size reduction is realized through the use of shorting wall. 96...

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