

1. Record Nr.	UNINA9910346915003321
Autore	Pontes Juan
Titolo	Analysis and design of multiple element antennas for urban communication
Pubbl/distr/stampa	KIT Scientific Publishing, 2010
ISBN	1000017825
Descrizione fisica	1 online resource (XI, 140 p. p.)
Collana	Karlsruher Forschungsberichte aus dem Institut für Hochfrequenztechnik und Elektronik
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This work focuses on the analysis and design of multiple element antennas (MEA) and their interaction with the propagation channel. In particular, attention is given to urban channels and how its information throughput, i.e. capacity, can be improved. With this in mind, this work extends an existing network model of the communication system in order to reduce computation time, investigates the communicational limits of MEA systems and proposes a synthesis method for capacity maximization.