

1. Record Nr.	UNINA9910337644303321
Autore	Faruque Saleh
Titolo	Radio Frequency Multiple Access Techniques Made Easy // by Saleh Faruque
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-91651-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (84 pages)
Collana	SpringerBriefs in Electrical and Computer Engineering, , 2191-8112
Disciplina	621.382
Soggetti	Electrical engineering Computer networks Electronics Microelectronics Communications Engineering, Networks Computer Communication Networks Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Simplex, Duplex, FDD & TDD -- Frequency Division Multiple Access (FDMA) -- Time Division Multiple Access (TDMA) -- Code Division Multiple Access (CDMA) -- Code Division Parallel Access (CDPA) -- Orthogonal Frequency Division Multiple Access (OFDMA) -- .
Sommario/riassunto	This book provides a comprehensive overview of multiple access techniques used in the cellular industry. The usage of multiple access techniques in telecommunications enables many users to share the same spectrum in the frequency domain, time domain, code domain or phase domain. Licenses are given, by the FCC, to operate wireless communication systems over given bands of frequencies, with the smaller bands, (channels), reused to provide services to other users. Thus, bandwidth efficiency is vital, as the speed and size of digital data networks continue to expand. This brief also uses numerous illustrations to bring students up-to-date in the practical applications of multiple access techniques, which can then be put to work in the industry. Primarily, electrical engineering students who study

telecommunications, as well as engineers and designers working in wireless communications, would find this book useful.

---