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LTE for UMTS OFDMA and SC-FDMA Based Radio Access

Harri Holma and Antti Toskala



LTE for UMTS OFDMA and SC-FDMA Based Radio Access

89103331732



b89103331732a

Harri Holma and Antti Toskala, *Nokia Siemens Networks, Finland*

From the editors of the highly successful *WCDMA for UMTS*, this new book gives a complete and up-to-date overview of Long Term Evolution (LTE) in a systematic and clear manner. It starts with an in-depth explanation of the background and standardization process before moving on to examine the system architecture evolution (SAE). The basics of air interface modulation choices are introduced and key subjects such as 3GPP LTE physical layer and protocol solutions are described. Mobility aspects and radio resource management together with radio and end-to-end performance are assessed. The voice solution and voice capacity in LTE are also illustrated. Finally, the main differences between LTE TDD and FDD modes are examined and HSPA evolution in 3GPP Releases 7 and 8 is described.

LTE for UMTS is one of the first books to provide a comprehensive guide to the standards and technologies of LTE.



Key features of the book include:

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LTE for UMTS OFDMA and SC-FDMA Based Radio Access

Harri Holma and Antti Toskala



Samsung Ex. 1018

LTE for UMTS – OFDMA and SC-FDMA Based Radio Access

Edited by

Harri Holma and Antti Toskala

both of Nokia Siemens Networks, Finland



John Wiley & Sons, Ltd

Samsung Ex. 1018

This edition first published 2009
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John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex, PO19 8SQ, United Kingdom

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Library of Congress Cataloging-in-Publication Data

LTE for UMTS-OFDMA and SC-FDMA based radio access / edited by Harri Holma, Antti Toskala.
p. cm.

Includes bibliographical references and index.
ISBN 978-0-470-99401-6 (cloth : alk. paper) 1. Universal Mobile Telecommunications System. 2. Wireless communication systems--Standards. 3. Mobile communication systems--Standards. 4. Global system for mobile communications. I. Holma, Harri, 1970- II. Toskala, Antti.

TK5103.4883.L78 2009

621.3845'6--dc22

2008052792

A catalogue record for this book is available from the British Library.

ISBN 978-0-470-99401-6 (H/B)

Set in 10/12 pt Times by Sparks, Oxford – www.sparkspublishing.com
Printed and bound in Great Britain by CPI Antony Rowe, Chippenham, UK

General Library System
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728 State Street
Madison, WI 53706-1494
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8035095

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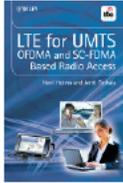
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LTE for UMTS : OFDMA and SC-FDMA based radio access / edited by Harri Holma and Antti Toskala. Wiley, Chichester, U.K. : 2009 [0470994 010 (cloth : alk. paper)]



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