

HEAVY READING

4G/LTE

Insider

LTE-A: State of the Market

TABLE OF CONTENTS

- I. Introduction: What Is LTE-A Anyway?
- II. Trials, Pilots & Commercial Services
- III. Timetables for Switching on LTE-A Network Features
- IV. Devices Availability & Issues
- V. Supplier Perspectives
 - Airspan
 - Alcatel-Lucent
 - Ericsson
 - Huawei
 - NEC
 - Nokia Networks
 - Radisys
 - ZTE
- VI. Conclusions

Report Highlights

Networks and services using features defined in Releases 10 and onward of the 3GPP's LTE standards are being turned on around the world

Carrier aggregation (CA) dominates the news about LTE-A, as operators try to make the most of their spectrum holdings

Multimode CA (FDD + TDD), the aggregation of more than two carriers and the aggregation of broader carriers are all being demonstrated

LTE-A features to help with network densification using small cells/HetNets are starting to be used, particularly eICIC/FelCIC and Uplink CoMP; high-order MIMO is a ways away

Chipsets supporting LTE-A features are currently available, and the number of commercial devices is growing

Use of this PDF file is governed by the terms and conditions stated in the Subscriber License Agreement included in this file. Any violation of the terms of this Agreement, including unauthorized distribution of this file to third parties, is considered a breach of copyright. Heavy Reading will pursue such breaches to the full extent of the law. Such acts are punishable in court by fines of up to \$100,000 for each infringement.