

# Voice over LTE (VoLTE) Trends: Market Research Report

<https://marketpublishers.com/r/VED3DAA1925EN.html>

Date: December 2013

Pages: 38

Price: US\$ 1,450.00 (Single User License)

ID: VED3DAA1925EN

## Abstracts

The report analyzes and presents an overview of Voice over LTE (VoLTE) market worldwide. 'The concept of delivering voice over the LTE is based on converting voice signals into packet data, transferring it over the broadband network, and finally reconvertting packet data back into voice signals. The revolutionary concept is attracting the attention of mobile operators, and is expected to become the standard in near future. Moreover, the commercialization of VoLTE would provide operators with a standardized and viable option for text and voice services, which account for more than 80% of service providers' revenues.'

Supported with 1 market data table, the report provides a review of mechanisms for achieving Voice over LTE, new nodes in VoLTE architecture, Voice over LTE Interfaces, key prerequisites to enable VoLTE, benefits and challenges of VoLTE along with the strategic industry activities of major companies worldwide. In addition, major companies operating in the Voice over LTE (VoLTE) arena worldwide including Alcatel-Lucent, BroadSoft Inc., D2 Technologies Inc., Ecrio, Genband, Imagination Technologies, LG Uplus Corporation, Mavenir Systems Inc., Nokia Siemens Networks BV, Pantech Co. Ltd., RADCOM Ltd., Reliance Industries Ltd., Renesas Mobile Corporation, Telefonaktiebolaget LM Ericsson and others are profiled.

## Contents

### 1. VOICE OVER LTE (VOLTE) - A TECHNOLOGY OVERVIEW

A Prelude

The Convergence of High Speed Data and Voice Communication

Technological Specifications of LTE

Key Elements of LTE Network

User Equipment

Packet Data Networks (PDNs)

Evolved Node B (eNodeB)

Serving Gateway (S-GW)

PDN Gateway (P-GW)

Mobility Management Entity (MME)

#### PCRF

Home Subscriber Server (HSS)

Voice over LTE - An Introduction

Comparison between Voice Services over 2G/3G Networks and LTE

Mechanisms for Achieving Voice over LTE

Circuit Switched Fall Back (CSFB)

Simultaneous Voice LTE (SV-LTE)

Voice over LTE via Generic Access (VoLGA)

Voice over LTE Utilizing IP Multimedia Subsystem

New Nodes in VoLTE Architecture

Voice over LTE Interfaces

Call Continuity for Extended Coverage of Voice Services

Key Prerequisites to Enable VoLTE

Benefits of VoLTE

HD Voice

Risk Minimization

Quality Services

New Revenue Streams

High Spectrum Efficiency

Expedited Evolution to LTE

### 2. MARKET TRENDS

Mobile Carriers Eye VoLTE Services for Delivering Superior Voice Quality  
Rapid Adoption of LTE Networks to Fuel VoLTE Demand

**Table 1.** No. of VoLTE Subscribers Worldwide (2012-2017) in Million

Joyn - A GSMA Initiative for Rich Communication Services

India - A Promising Market for VoLTE

Key Challenges in the Adoption of VoLTE

### 3. RECENT INDUSTRY ACTIVITY

Acme Packet to Collaborate with China Mobile Communications

Alcatel-Lucent Showcases Voice-over-IMS and RCS Technology to FirstNet

Ericsson Inks an Agreement with KDDI

Mavenir Systems and Radisys Enter into Partnership for VoLTE Deployments

MetroPCS Inks Agreement with Ericsson

Nokia Siemens Networks and Polkomtel Ink Agreement for Voice Services on LTE

NVIDIA Selects VoLTE Software of D2 Technologies

Orange Communications and Nokia Siemens Networks Ink Agreement

Renesas Mobile, Ericsson and China Mobile Demonstrate VoLTE Call over LTE FDD and TD-LTE

Telecom Commission Approves Launch of Voice Services on 4G Networks

T-Mobile Czech Republic Selects Mavenir Systems for IMS Core and Application Servers

ZyXel Communications and Lantiq Announce VoLTE-Compliant ZyXel LTE5121 Gateway

BroadSoft Rolls Out www. MonetizeLTE. com

Coolpad Americas and Imagination Technologies Complete VoLTE IOT for Quattro Smartphones

coM. sat Selects TranSwitch's Atlanta 2000 LTE Gateway Reference Design

D2 Technologies Enters into Partnership with NVIDIA

Ecrio Collaborates with Morpho

Ericsson and Qualcomm Perform Successful Handover of Voice between LTE and WCDMA Network

Hi3G ACCESS AB Selects Mavenir Systems for CSFB Implementation

Infotel Licenses SPIRIT TeamSpirit Voice&Video Engines

Lantiq Collaborates with Ecrio and D2 Technologies

LG U+ to Test Cisco Mobile Internet Solutions for VoLTE Delivery

Reliance Infotel Broadband Seeks Approval for VoLTE Calls from Department of Telecommunications  
Taqua Collaborates with Kineto Wireles  
TranSwitch Announces Successful Testing of Atlanta 2000 LTE Gateway Solution on Verizon Wireless 4G LTE Development Network  
IMTC Completes Successful VoLTE Testing  
Mavenir Takes Over Airwide Solutions  
Verizon Wireless Announces Successful Testing of VoLTE Call  
ZTE Announces Successful Testing of VoLTE Call  
Genband Wins Bid to Takeover CVAS Assets of Nortel Network  
GSMA Adopts One Voice Initiative for Voice over LTE  
Lantiq Takes Over WLAN Assets of Metalink  
NGMN Alliance Announces Operators' Agreement to Support Roaming for VoLTE  
Samsung Telecommunications America Collaborates with Cellular South

#### **4. PRODUCT/SERVICE LAUNCHES**

Broadcom to Unveil BCM21892 LTE-Advanced Modem  
HP Enterprise Services Launches Solutions for Seamless Migration to LTE Networks  
Imagination Technologies and ZTE Launch HelloSoft VoLTE Solution  
Mavenir Systems Unveils Virtualized IMS Solutions for 4G Networks  
Renesas Mobile Showcases MP5232 LTE Platform with Anritsu MD8475A Signaling Tester  
Samsung Announces VoLTE-Compliant Galaxy S3 LTE Model  
Spirent Communications Unveils Spirent Nomad HD Measurement System  
The Aricent Group Offers VoLTE Solutions  
TeleCommunication Systems Launches TCS VoLTE9-1-1 Solution  
Verizon to Unveil Voice Over LTE Technology  
Agilent Technologies and Brüel & Kjær Unveil Agilent PXT Wireless Communications Test Set  
LG U+ Introduces VoLTE Services in South Korea  
MetroPCS Communications Unveils Voice over LTE Service  
MetroPCS Unveils Rich Communications Services  
RADCOM Expands Omni-Q Solution  
Samsung Unveils VoLTE-Compliant Galaxy Note 10.1 Tablet  
SK Telecom Introduces HD Voice over LTE  
Tele2 Announces Successful Testing of VoLTE in Sweden  
TeleCommunication Systems Launches TCS VoLTE 911 Solution  
ZTE Deploys eSRVCC Technology

BroadSoft Improves BroadWorks TAS to Comply with VoLTE IR. 92 Specifications  
Ericsson and China Mobile Unveil TD-LTE Solution  
Mavenir Systems Introduces New Solutions to Enable VoLTE  
Pantech and Ecrio Launch Pantech Breakout Smartphone in North America  
VoLGA Forum Introduces New VoLTE Specifications

## **5. MARKET PARTICIPANTS**

Alcatel-Lucent (France)  
Alianza, Inc. (USA)  
Aricent Group (USA)  
AT&T, Inc. (USA)  
Bharti Airtel Ltd. (India)  
BroadSoft, Inc. (USA)  
Cisco Systems, Inc. (USA)  
D2 Technologies, Inc. (USA)  
Deutschen Telekom AG (Germany)  
Ecrio (USA)  
Genband (USA)  
Huawei Technologies Co. , Ltd. (China)  
Imagination Technologies (UK)  
Iskratel d. o. o. (Slovenia)  
Italtel (Italy)  
IPneo Ltd. (Egypt)  
Lantiq Deutschland GmbH (Germany)  
LG Uplus Corporation (Korea)  
MagicJack Vocaltec, Ltd. (USA)  
Mavenir Systems, Inc. (USA)  
Motorola Solutions, Inc. (USA)  
NEC Corporation (Japan)  
Nokia Siemens Networks BV (The Netherlands)  
NTT DOCOMO (Japan)  
OpenCloud Ltd. (UK)  
Openet (Ireland)  
Oracle Corporation (USA)  
Pantech Co. , Ltd. (South Korea)  
Qualcomm, Inc. (USA)  
RADCOM Ltd. (Israel)  
Radvision Ltd. an Avaya Company (USA)

Reliance Industries Ltd. (RIL) (India)  
Renesas Mobile Corporation (Japan)  
Samsung Networks (USA)  
SK Telecom Co. , Ltd. (Korea)  
Skype Communications Sarl (Luxembourg)  
SPIRIT DSP (Russia)  
Taiwan Mobile Co. , Ltd. (Taiwan)  
Taqua LLC (USA)  
Telefonaktiebolaget LM Ericsson (Sweden)  
Telefónica SA (Spain)  
Telenor Group (Norway)  
TranSwitch Corporation (USA)  
T-Mobile USA, Inc. (USA)  
Verizon Wireless (USA)  
Vodafone Group PLC (UK)  
Xceed Technologies (USA)  
ZTE Corporation (China)  
ZyXEL Communications Corporation (Taiwan)

## **6. APPENDIX**

## I would like to order

Product name: Voice over LTE (VoLTE) Trends: Market Research Report

Product link: <https://marketpublishers.com/r/VED3DAA1925EN.html>

Price: US\$ 1,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/VED3DAA1925EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970