

VoLTE and ViLTE: Global Market Update

Report based on intelligence gathered as part of GSA's ongoing industry research programme

August 2019

About this report

253 operators
are investing in
VoLTE, in 113
countries

This report updates GSA's previous study on VoLTE (voice over LTE) and ViLTE (video over LTE) published in February 2019. It reveals continued rapid growth in VoLTE investments and a steady increase in interest in ViLTE in the form of trials and launches.

VoLTE network status

A total of 262 operators are investing in VoLTE in 120 countries (including territories, dependencies and disputed territories), including 194 operators with commercially launched VoLTE-HD voice service in 91 countries. Ireland, the Maldives, Niue and Tuvalu are among those countries with recent VoLTE service launches.

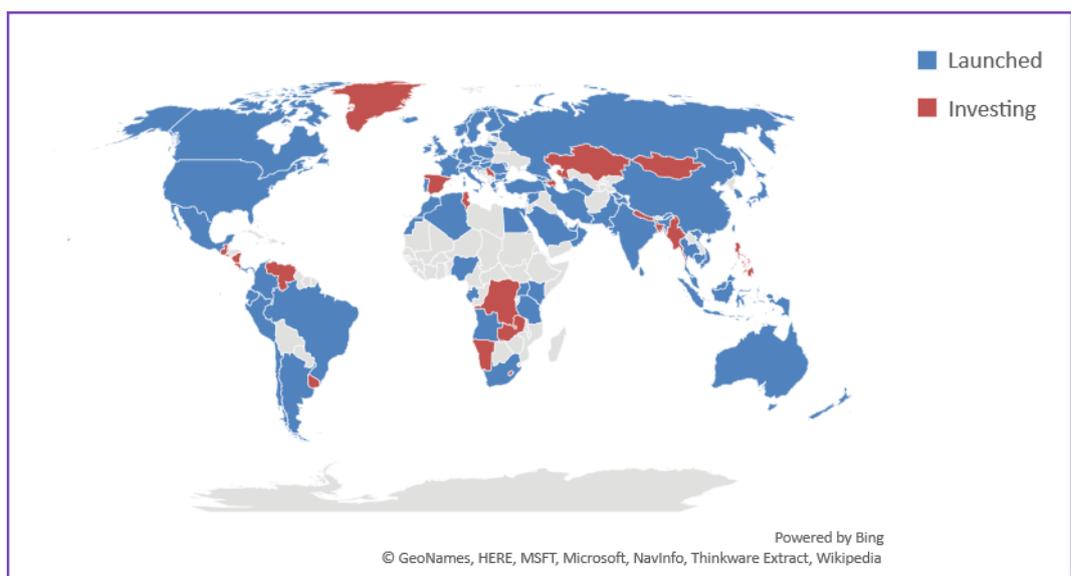
Since the last report in February 2019, launches have been announced or identified by GSA for BNSL (India, in two circles), Digi (Hungary), Mobile Telecommunications Company of Iran, Ooredoo (Maldives), Safaricom (Kenya), Telefonica Movistar (Mexico), TTC (Tuvalu), Vodafone (Ireland), Vodafone (New Zealand) and Telecom Niue.

At least 30 other operators are known to be deploying VoLTE and nearly 40 other operators are known to be planning VoLTE or are testing/trialling the technology.

Full lists of operators investing in VoLTE and with launched VoLTE services can be found in GSA's *Networks, Technologies and Spectrum* database.

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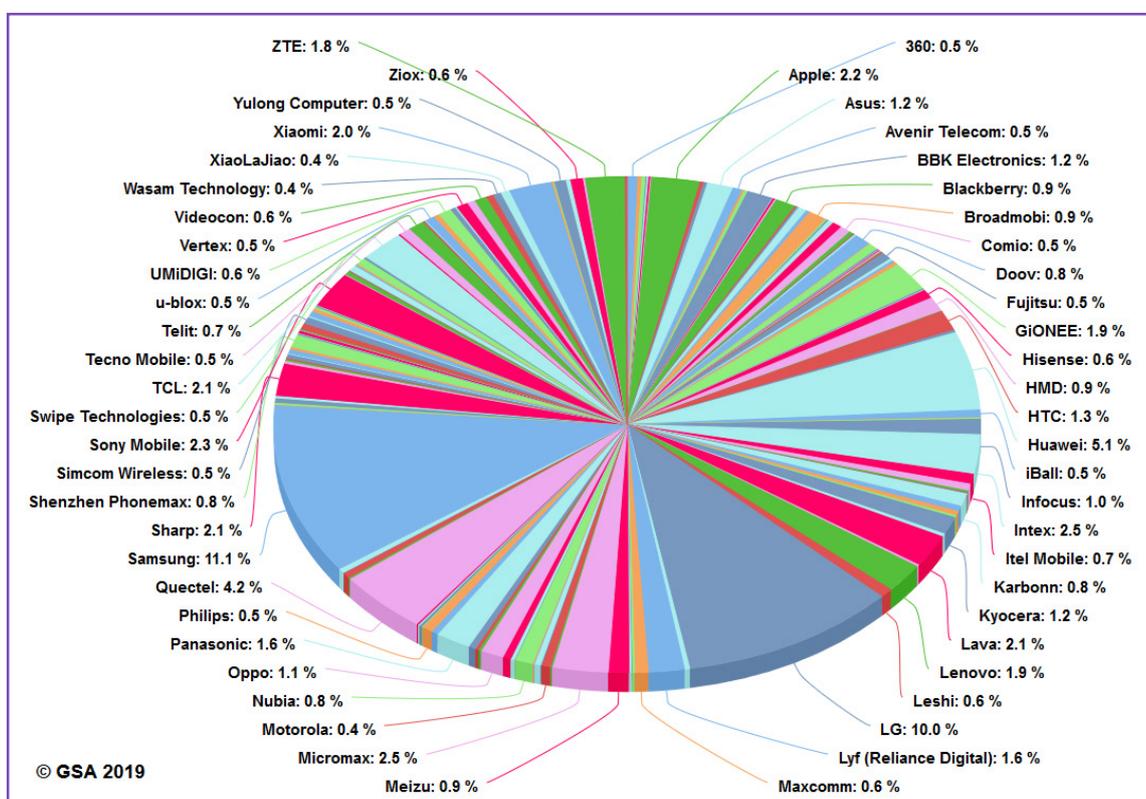
Figure 1: Countries with VoLTE service



VoLTE and ViLTE devices

There are 2,432 devices in GSA's GAMBoD database which support VoLTE technology, of which nearly 86% are phones. There continues to be an increase in the proportion of non-phone VoLTE-capable devices such as routers and modules. GSA has identified 195 modules (up from 106 in our last report) that support VoLTE, and 57 routers (up from 37). Other types of device which support VoLTE include asset trackers, fixed-wireless terminals (VoLTE-enabled wireless desktop phones), cameras, tablet PCs, femtocells, smart watches and USB modems. The total count of devices supporting VoLTE is 459 more devices than in February 2019.

Figure 3: VoLTE devices by vendor (share of all VoLTE devices in GAMBoD database)



GSA has identified 390 devices, virtually all of them phones, that support ViLTE technology. The number is up from 257 in the last report. Device vendors targeting India's mobile market have been especially active in introducing a range of ViLTE-capable phones, reflecting the fact that large operators in the country are offering ViLTE services. Many of the world's largest handset vendors now have ViLTE capable devices on the market.

ViLTE devices are offered by 45 vendors/brands including Askey, BBK Electronics, Blackberry, Casper, Celkon, CENTRiC, Comio, Foxconn, General Mobile, GiONEE, HMD, HTC, Huaquin Telecom Technology, Huawei, Infinix, Infocus, Intex, Itel, Karbonn, Kult, Lanix, Lava, Lenovo, LG, Lyf (Reliance Digital), Micromax, Mobiistar, Motorola, Panasonic, Reach, Samsung, Sonim, Sony Mobile, Spice Devices, Swipe Technologies, TCL, Tecno, Vestel, Xiaomi, Yulong Computer, Ziox, and ZTE. iPhones™ don't support ViLTE.

Note that the operator will often have to implement an upgrade to the device operating system for the technology to work; the devices do not necessarily ship worldwide with ViLTE enabled.

Further research

The deployment of VoLTE and ViLTE and the growth of the ecosystem are gathering pace, and GSA will continue to track developments. We welcome input to the research programme: if you have information you think should be included in the next edition of this report, please contact research@gsacom.com

About GSA

GSA (the Global mobile Suppliers Association) is a not-for-profit industry organisation representing companies across the worldwide mobile ecosystem engaged in the supply of infrastructure, semiconductors, test equipment, devices, applications and mobile support services.

GSA actively promotes the 3GPP technology road-map – 3G, 4G, 5G – and is a single source of information resource for industry reports and market intelligence. GSA Members drive the GSA agenda and define the communications and development strategy for the Association.

Membership of GSA is open to any supplier of products; systems or services related to the mobile industry and brings many benefits including access to the GAMBoD and NTS database. The range of benefits includes enhanced discussion, networking and influencing opportunities on the key industry topics, and unique promotional/visibility opportunities for your company name, capabilities, positioning and messages. More details can be found at <https://gsacom.com/gsa-membership/>

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Contact

GSA Secretariat

Email: research@gsacom.com

Tel: +44 330 113 1572

GSA website: <https://gsacom.com>

NOTE: Errors and omissions excepted