GSMA VoLTE INTEROPERABILITY TESTING
WE ARE A GLOBAL, HIGH GROWTH BUSINESS

16 offices

500+ team members

Since 2006
Registered in the UK
THE MOST HEAVYWEIGHT MVNO IN THE WORLD

A network designed for international business

- 1 single coherent network across four continents
- MVNO agreements with 9 top-tier MNOs plus 280 global roaming agreements
- Patented multi-identity and multi-IMSI technology
- VoLTE live in Germany, Hong Kong, Netherlands, Portugal and the US
WHY WE UNDERTOOK THE GSMA VOLTE INTEROPERABILITY TESTING SERVICE

Current Status

We have a longstanding partnership with Apple

We offer VoLTE on Apple devices - June 2021

We don’t actively sell Android devices to our customers
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**Challenges**

VoLTE & VoLTE Roaming Blocking on devices for untested networks

Partner MNOs shutting down 3G and 2G

VoLTE support is becoming mandatory
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<td>OEMs to unblock our IMS/VoLTE settings on their devices</td>
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<tr>
<td>OEMs to speedup VoLTE rollout on Android devices</td>
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<td>Increase VoLTE support on a broader set of devices</td>
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WE HAVE PASSED THE GSMA INTEROPERABILITY NETWORK ROAMING TEST IN 5 COUNTRIES

<table>
<thead>
<tr>
<th>Country</th>
<th>MCC/MNC</th>
<th>IMSI</th>
<th>Operator</th>
<th>Roaming N.</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Netherlands</td>
<td>204 33</td>
<td>NL IMSI</td>
<td>KPN</td>
<td>Vodafone DE</td>
<td>05/01/2022</td>
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<tr>
<td>Germany</td>
<td>262 42</td>
<td>DE IMSI</td>
<td>Truphone</td>
<td></td>
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<tr>
<td>USA</td>
<td>310 300</td>
<td>USA IMSI</td>
<td>Truphone</td>
<td>T-Mobile US</td>
<td>05/01/2022</td>
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<tr>
<td>Hong Kong</td>
<td>454 08</td>
<td>HKG IMSI</td>
<td>Truphone</td>
<td>HKT</td>
<td>03/02/2022</td>
</tr>
<tr>
<td>Portugal</td>
<td>234 25</td>
<td>UK IMSI</td>
<td>Truphone</td>
<td>NOS</td>
<td>17/02/2022</td>
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We have successfully demonstrated the capability laid out in GSMA PRD IR.25 Test Cases including:

- VoLTE Registration
- VoLTE Mobile Terminated Call
- VoLTE call with Local Number
- Call Forwarding
- SMSoIP Mobile Terminated
- SMSoIP Mobile Originated
- Emergency Call
THE GSMA VOLTE INTEROPERABILITY TESTING PROCESS

STAGE 01
PROVISION TEST SIMS
Ship them to Mobileum

STAGE 02
CONFIGURE SIM DETAILS
Mobileum to configure and add physical SIMs into their SIM multiplexer

STAGE 03
EXCHANGE INFORMATION
Exchange Truphone network information with Mobileum for test setup

STAGE 04
RUN TESTING
Mobileum to run agreed test cases and report outcome

STAGE 05
TROUBLESHOOT & REPEAT
Troubleshoot and repeat any failing test if required

STAGE 06
RESULTS CONFIRMED
Mobileum to gather and share test evidences

STAGE 07
CERTIFICATE ISSUANCE
GSMA issues certificate and publishes test result

✓ Tests have run very smoothly
✓ Very positive engagement with GSMA and Mobileum
WHAT ARE OUR KEY TAKEAWAYS

OUTCOMES
• GSMA is facilitating contacts with OEMs
• Have engaged with Nokia (HMD Global)
• Increase downloads of our IMS/VoLTE settings within GSMA Network Settings Exchange

EXPECTATIONS
• OEMs download Truphone IMS/VoLTE settings
• OEMs unblock Truphone IMS/VoLTE settings
• Extend our certification to other countries
THANK YOU

If you are an OEM, please reach out:
devices@truphone.com