5G Spectrum - 26/28 GHz Spectrum Snapshot

October 2019

Global mobile Suppliers Association – GSA

www.gsacom.com

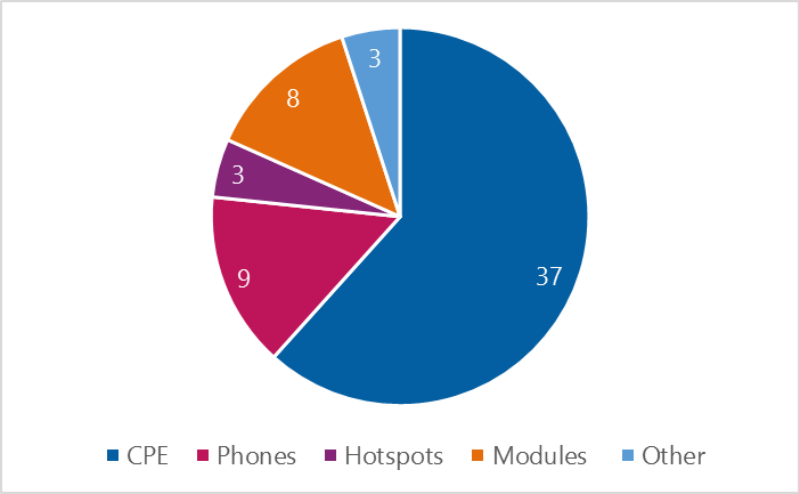
© 2019 Global mobile Suppliers Association

MILLIMETRE WAVE SPECTRUM IS GROWING IN IMPORTANCE FOR 5G

Key bands are n257, n258, n261 (24250-29500 MHz) and n260 (37000-40000 MHz)

- 112 operators are known to have been investing in spectrum at 24.25-29.5 GHz.
  - 67 operators have been licensed; 47 of them in the USA and associated territories.
    - 12 of those operators are deploying, have deployed or have launched networks in the frequency range.
  - A further 45 are evaluating/testing/ piloting/planning networks.
- Five operators in three countries are investing in n260, including three that have launched networks (all in the USA).
- Upcoming activity: auction underway in Taiwan, auctions/allocations planned in another 12 countries.

Devices announced explicitly supporting millimetre waves bands



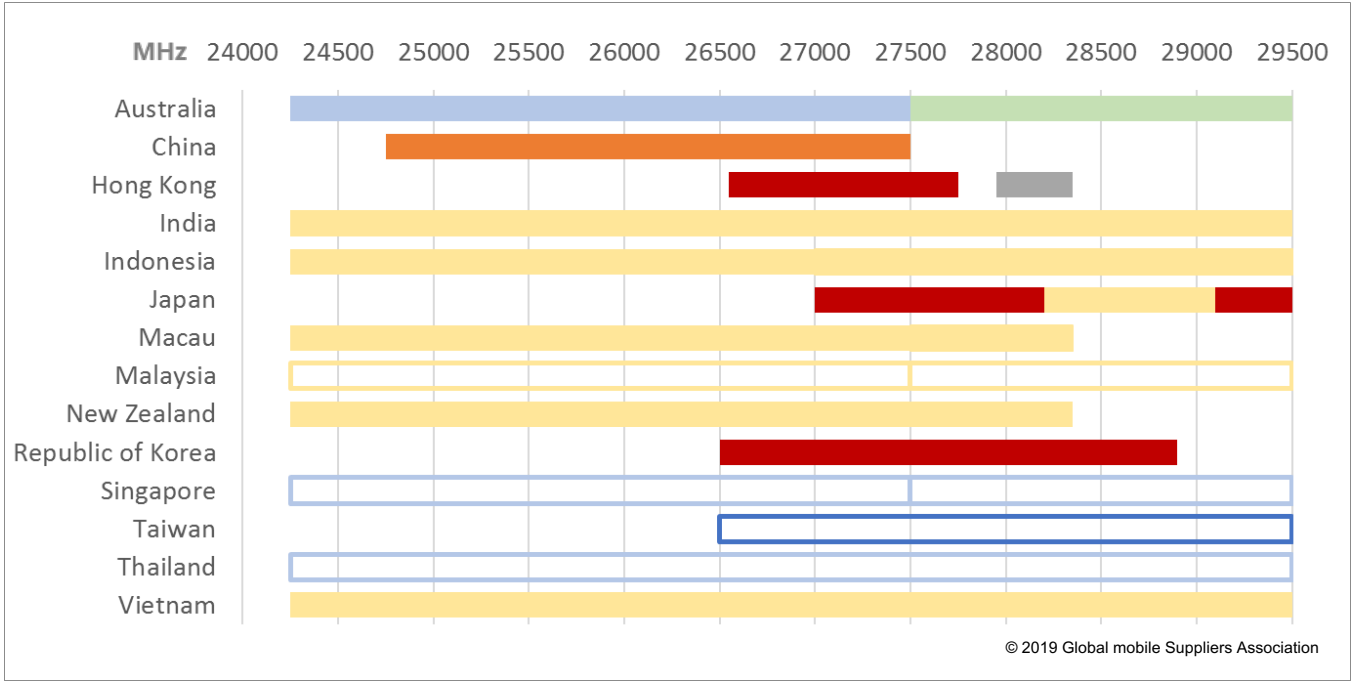
Sixty 5G devices have been announced supporting millimetre wave bands. Five support n257, nine support n261, (none are known to support n258); ten support n260. (Note full specifications have not been released for all devices, so specific band data is patchy)

© 2019 Global mobile Suppliers Association

26 GHZ AND 28 GHZ BANDS – ASIA-PACIFIC (ITU REGION 3)

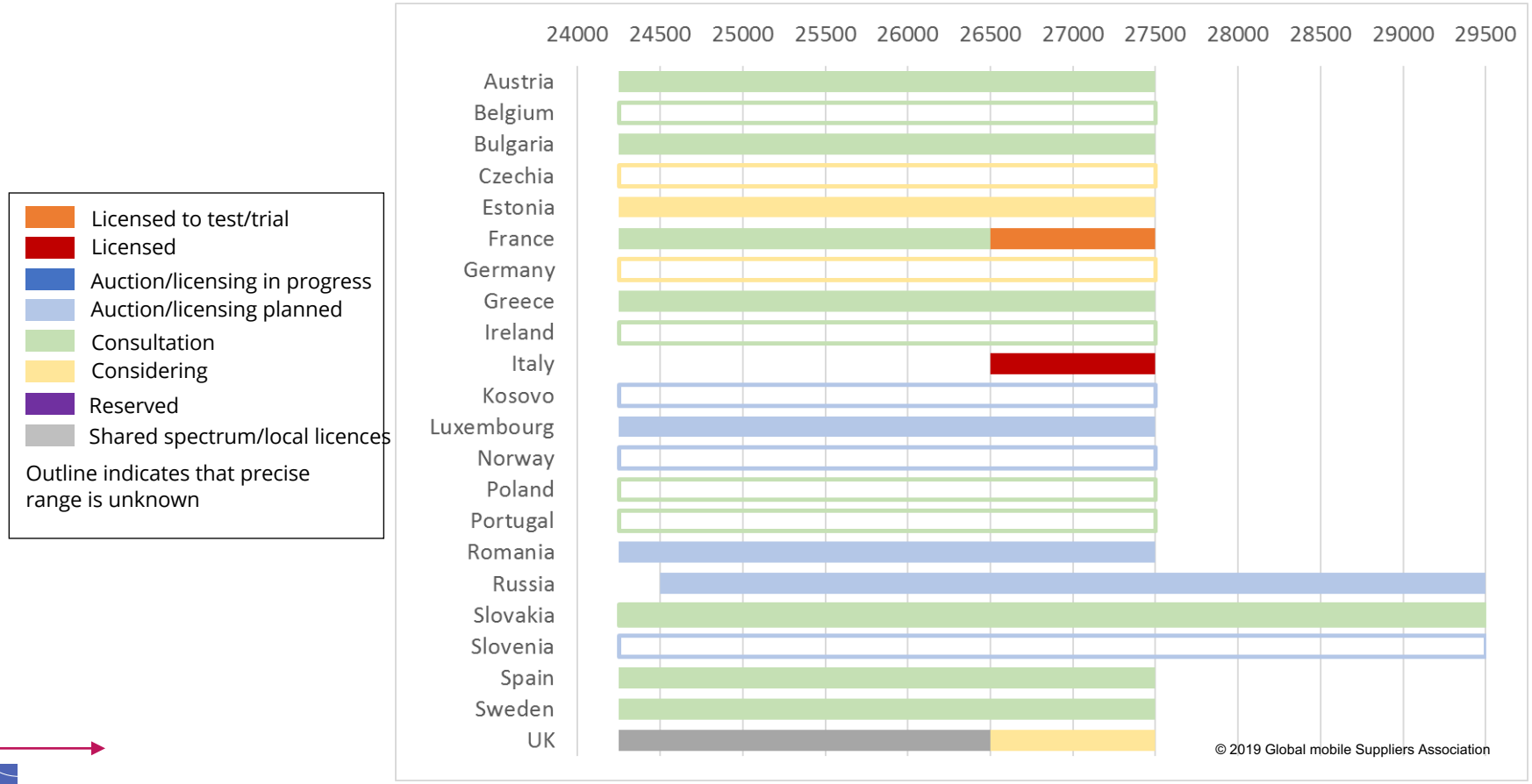
- Licensed to test/trial
- Licensed
- Auction/licensing in progress
- Auction/licensing planned
- Consultation
- Considering
- Reserved
- Shared spectrum/local licences

Outline indicates that precise range is unknown



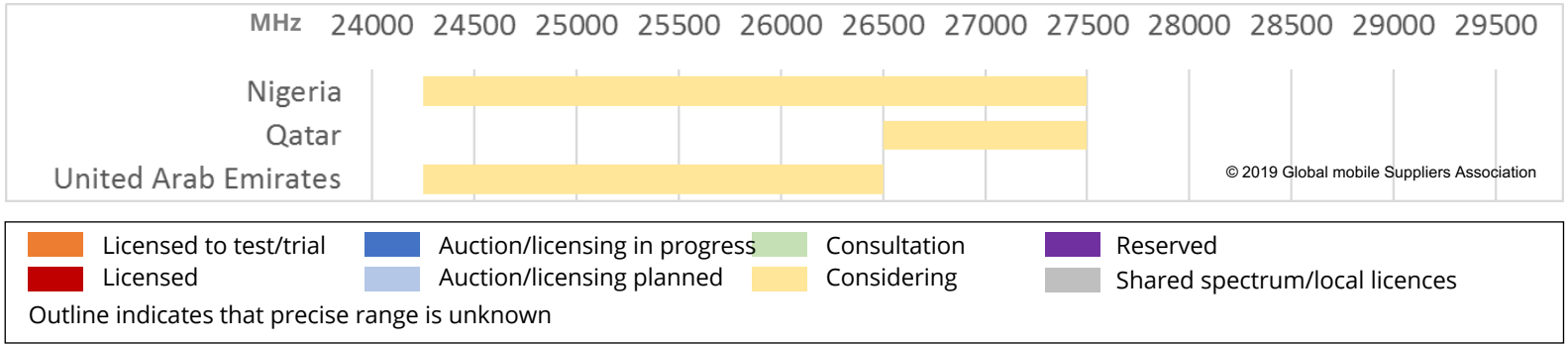
© 2019 Global mobile Suppliers Association

26 GHZ AND 28 GHZ BANDS – CEPT (ITU REGION 1)



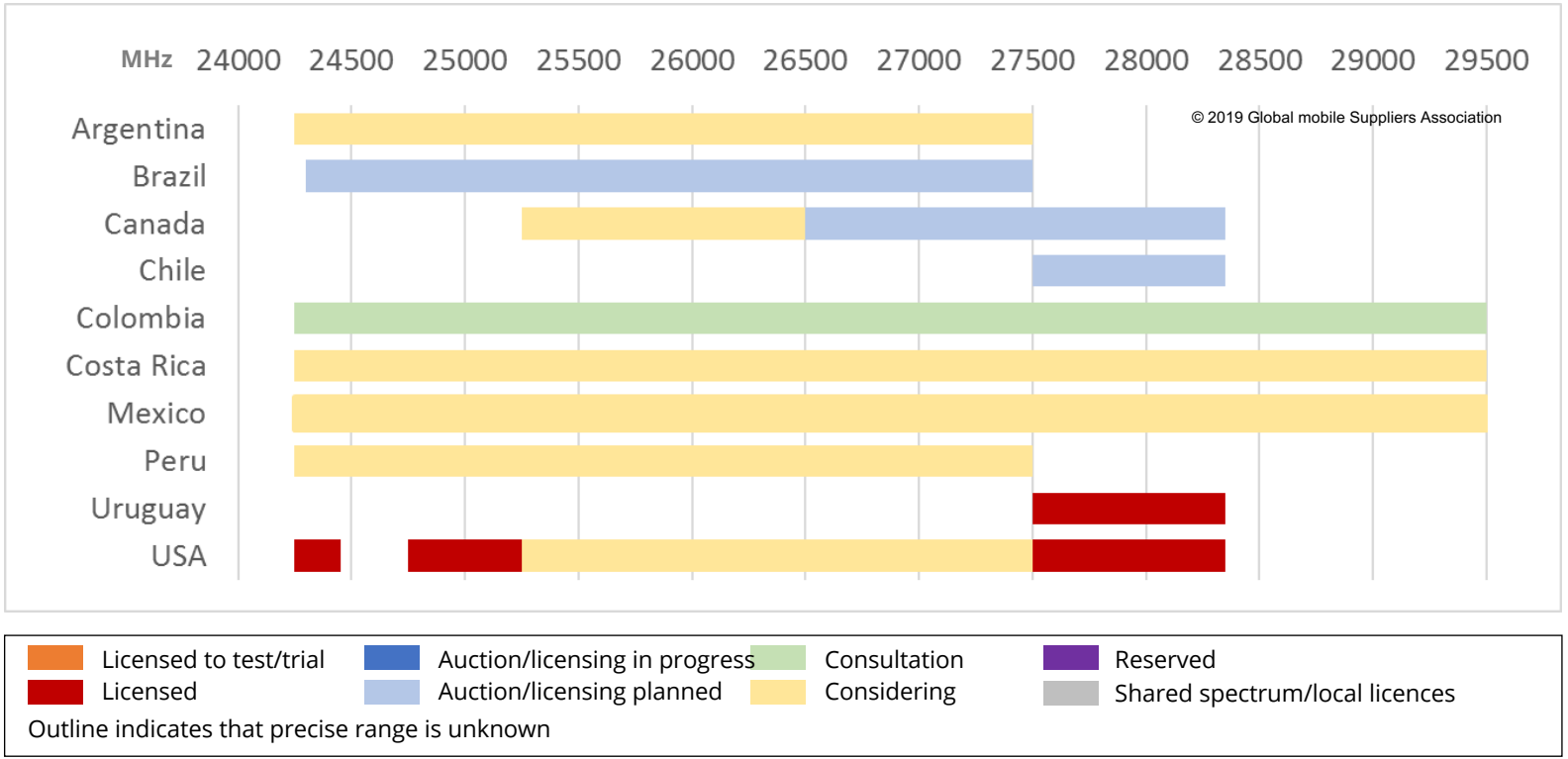
© 2019 Global mobile Suppliers Association

26 GHZ AND 28 GHZ BANDS – MIDDLE EAST AND AFRICA (ITU REGION 1)



© 2019 Global mobile Suppliers Association

26 GHZ AND 28 GHZ BANDS – THE AMERICAS (ITU REGION 2)



© 2019 Global mobile Suppliers Association

Global mobile Suppliers Association – GSA

The Industry Voice of the Global Mobile Ecosystem

www.gsacom.com

© 2019 Global mobile Suppliers Association