

5G

5G Market: SNAPSHOT

June 2020



Updated 5G Network Status

Eighty-one Commercial 5G Networks in forty-two countries.

By the end of May 2020 386 operators in 125 countries/territories had announced they were investing in 5G.

A total of 81 operators in 42 countries/territories had launched one or more 3GPP-compliant 5G services.

of those...

- 73 operators in 38 countries/territories had launched 3GPP-compliant 5G mobile services (67 full launches, 6 limited availability launches).
- 39 operators in 24 countries/territories had launched 3GPP-compliant 5G FWA or home broadband services (33 full launches, 6 limited availability launches).

81 COMMERCIAL 5G NETWORKS IN 42 COUNTRIES

Figure 1: Count of operators with commercial 5G services (some limited availability)

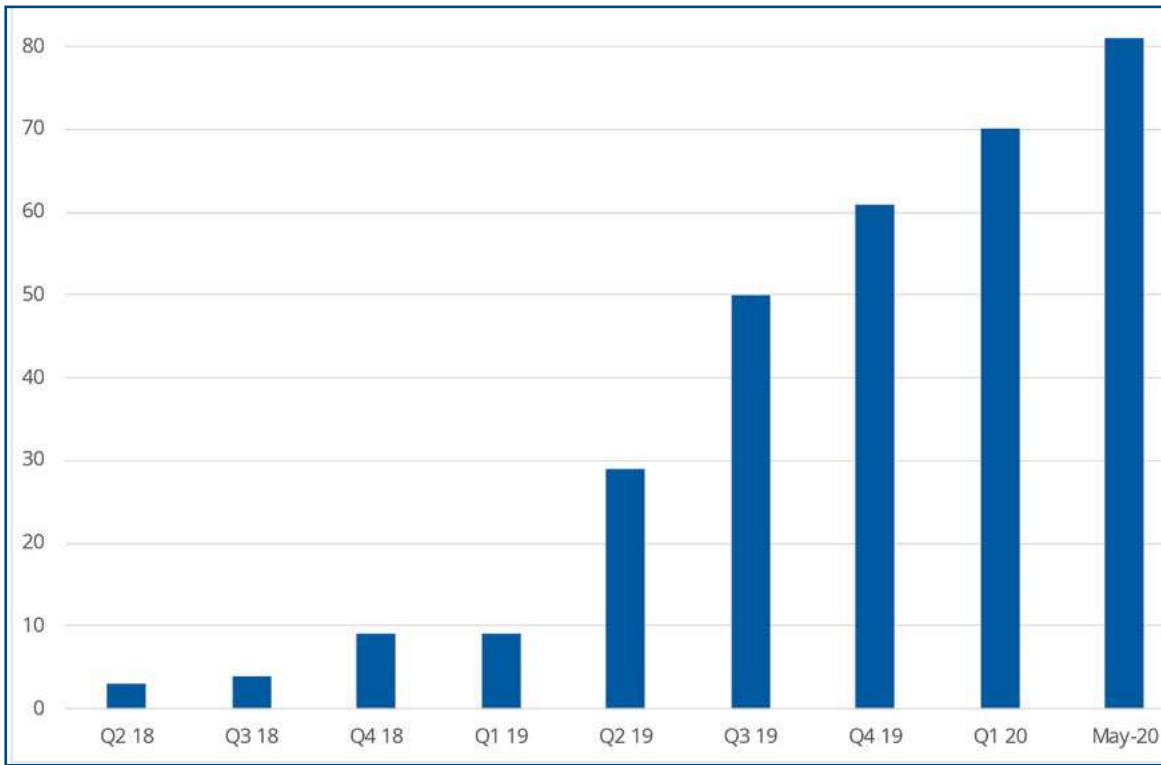
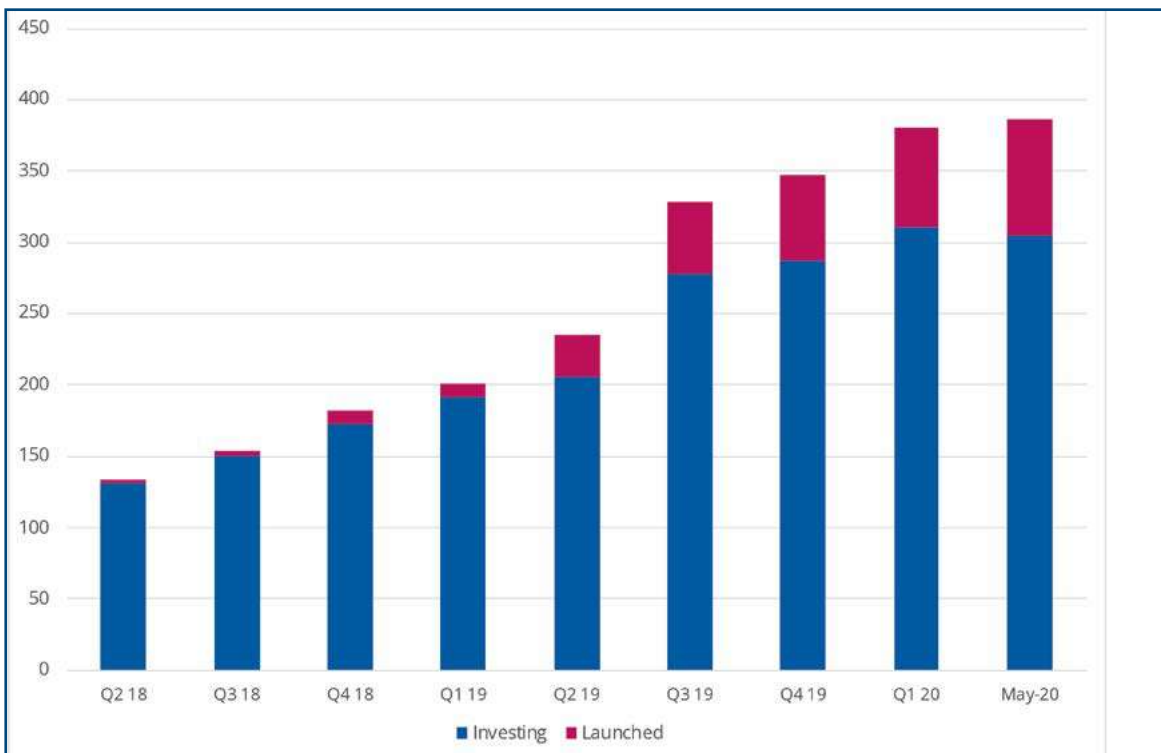


Figure 2: Count of operators investing in 5G and with launched commercial services (some limited availability)



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Figure 3: Map of global operator investments in 5G: mobile and fixed access

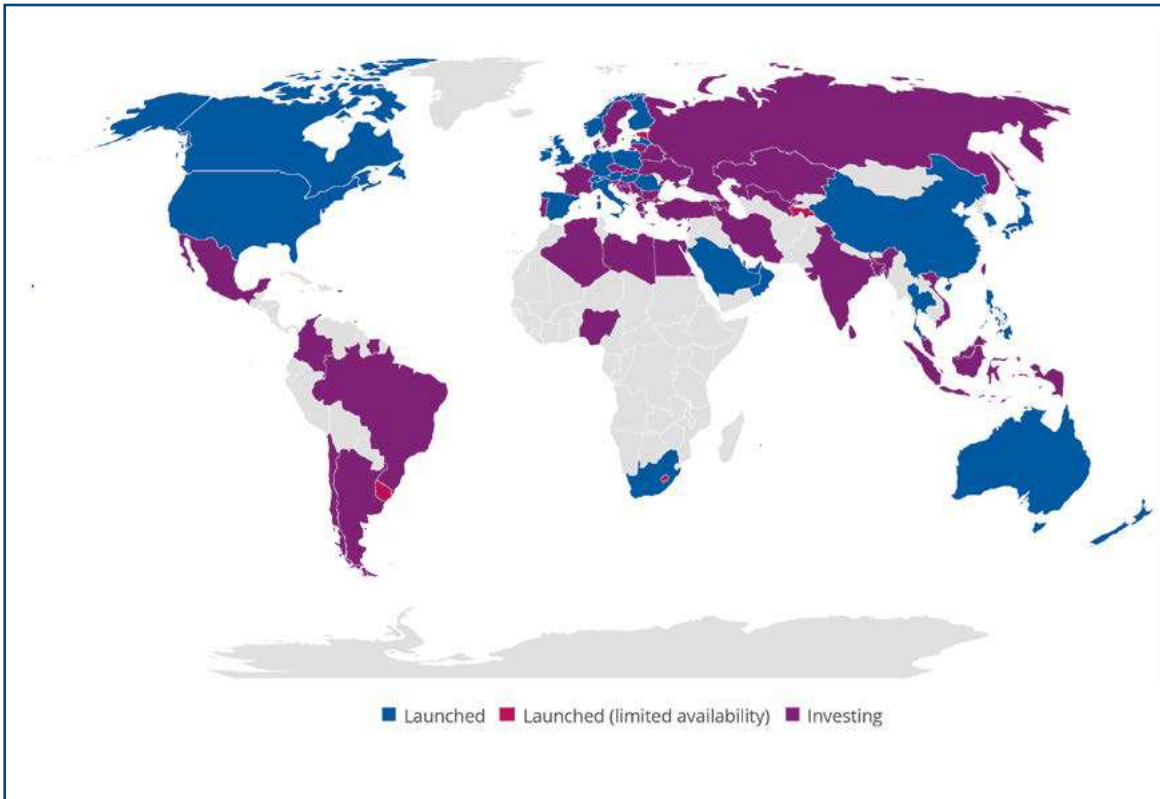
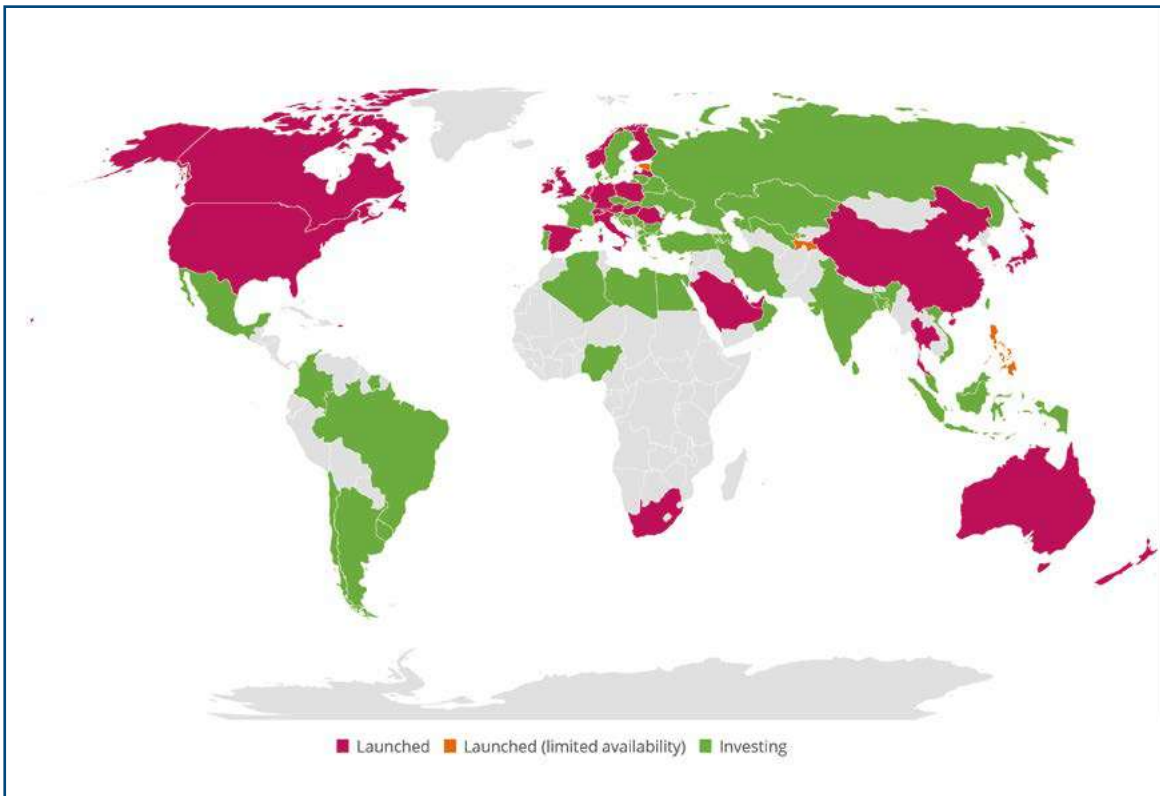


Figure 4: Map of global operator 5G mobile launches (including limited availability launches)



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Figure 5: Map of global operator 5G FWA launches (including limited availability launches)

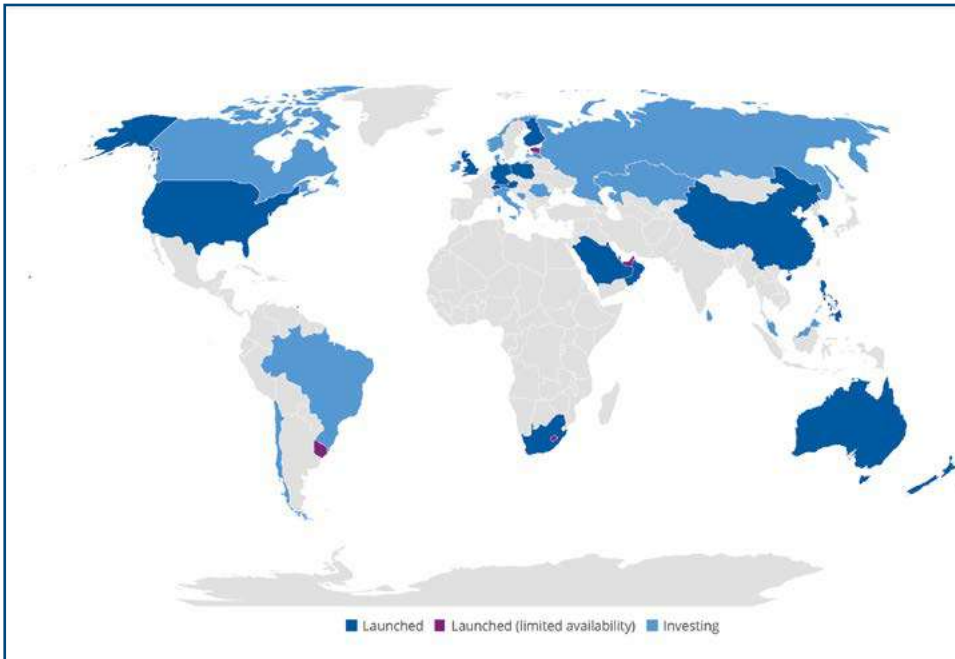
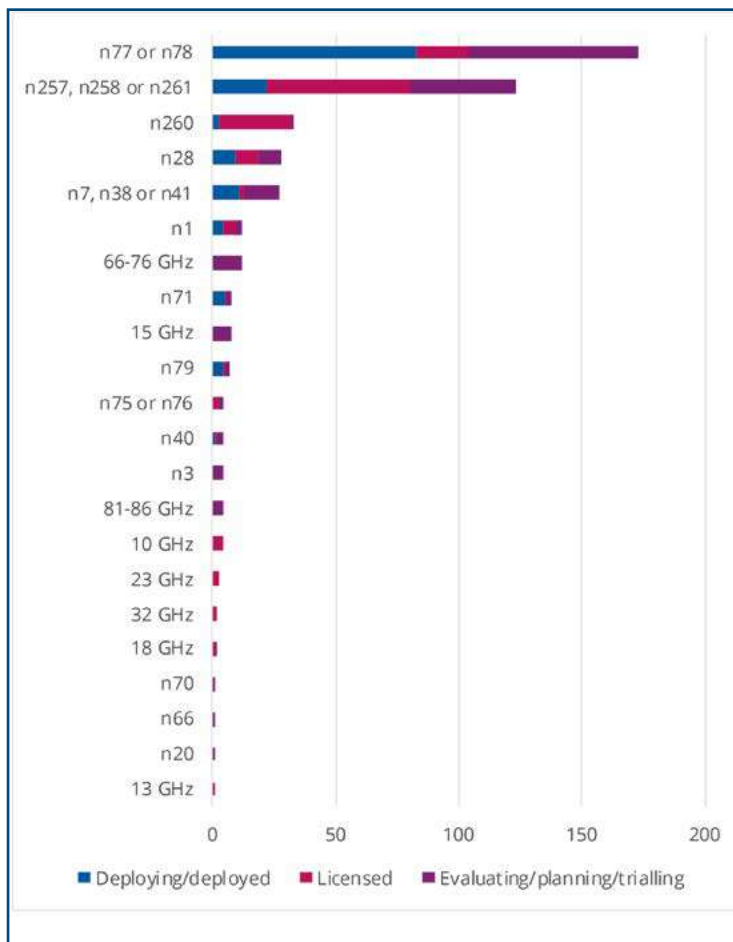


Figure 6: 5G Spectrum band usage



5G spectrum usage currently focused on a few key bands

The overlapping 5G Bands n77 and n78 are most used with 173 operators investing.

By end May 2020 GSA had identified 173 operators investing in the C-Band (specifically the overlapping bands n77 and n78). 83 of those operators are identified as deploying networks in band n77 or n78.

123 operators have been identified as investing at 24.25-29.5 GHz (Bands n257, n258 or n261)

A full list of all 5G networks is in Annex 1 of the Member and Associate version of this report.

ABOUT GSA

GSA is the voice of the global mobile ecosystem and has been representing mobile suppliers since 1998.

GSA GAMBoD Database

Reports are based on data contained in the GSA GAMBoD databases which is a resource available to GSA Members and Associates. Companies and policy makers can subscribe as a GSA Associate to the database to gain insights into the source data behind reports for their own research purposes.

Discounted annual subscription are available to regulators, government agencies and mobile operators.

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