

# 5G

## 5G Market: SNAPSHOT

August 2021



## Updated 5G Network Status

### 176 commercial 5G networks launched worldwide

- By mid-August 2021 461 operators in 137 countries/territories were investing in 5G, including trials, acquisition of licences, planning, network deployment and launches. (This number excludes nearly 200 additional companies awarded spectrum in the US CBRS PAL auction, which could potentially be used for 5G).
- Of those, a total of 176 operators in 72 countries/territories had launched one or more 3GPP-compliant 5G services.
- 166 operators in 67 countries/territories had launched 3GPP-compliant 5G mobile services. 63 operators in 34 countries/territories had launched 3GPP-compliant 5G FWA or home broadband services.
- Five operators had announced soft launches of their 5G networks that are not counted in the above launch figures.
- Thirteen operators had launched commercial public 5G SA networks (plus one possible launch to be confirmed). 45 others are planning / deploying 5G SA for public networks, and 23 operators are involved in tests/trials.

Figure 1: Count of operators with commercial 5G services

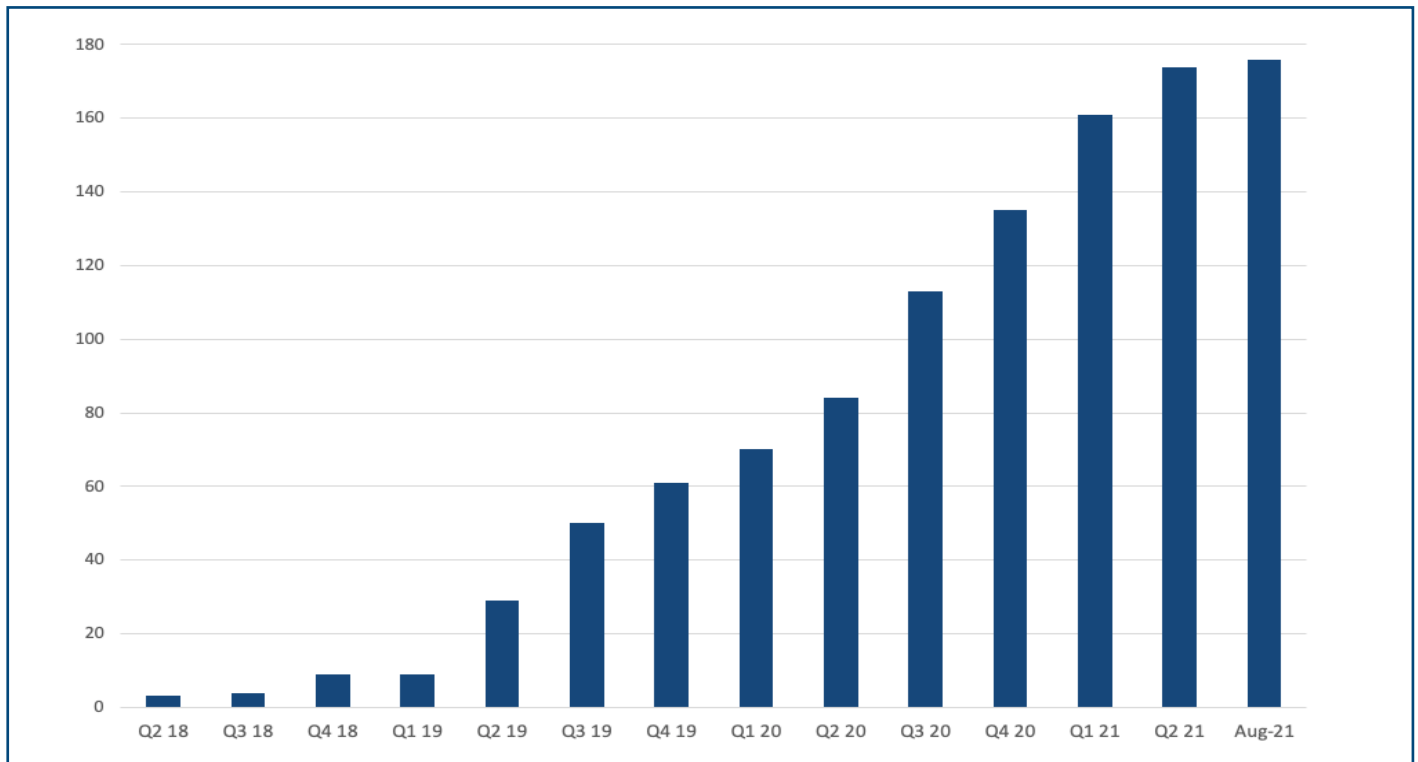


Figure 2: Count of operators investing in 5G and operating commercial networks

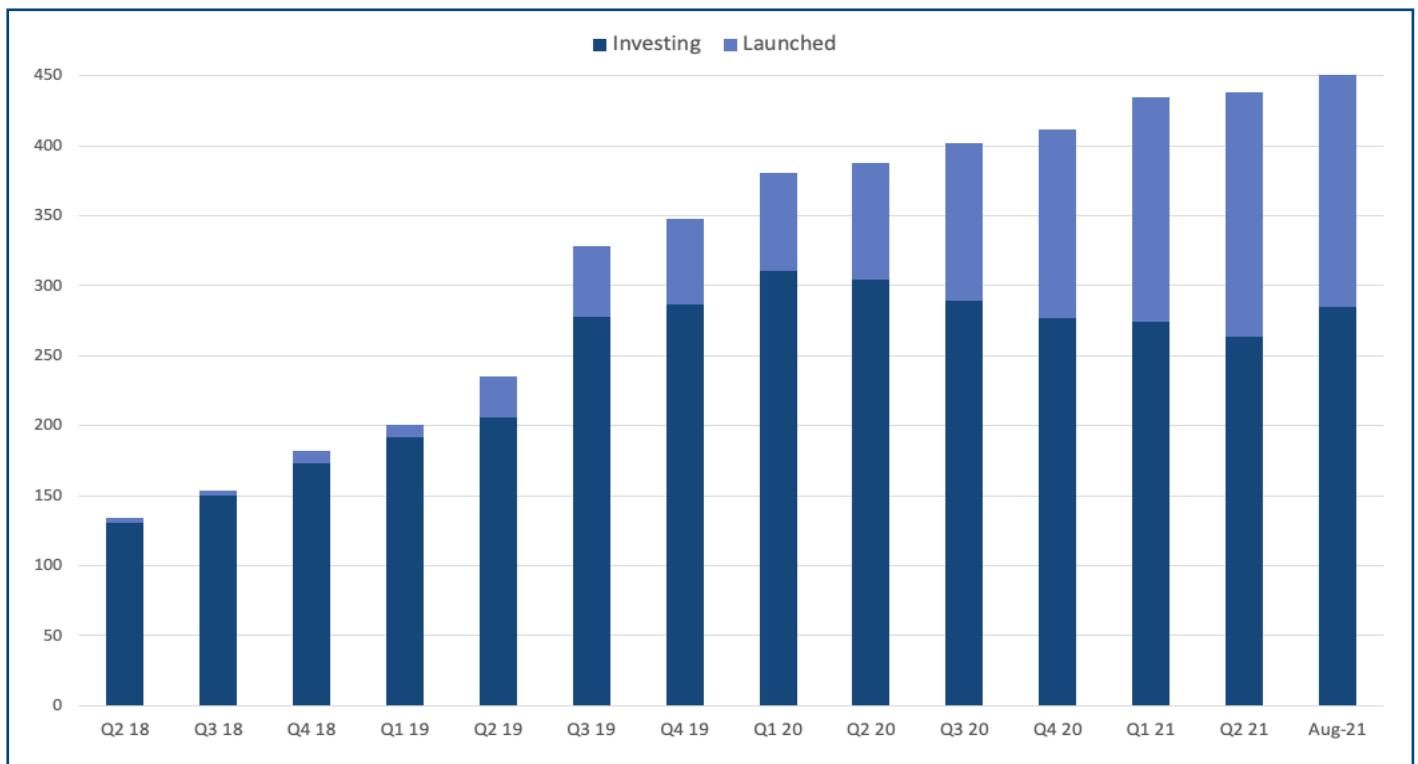
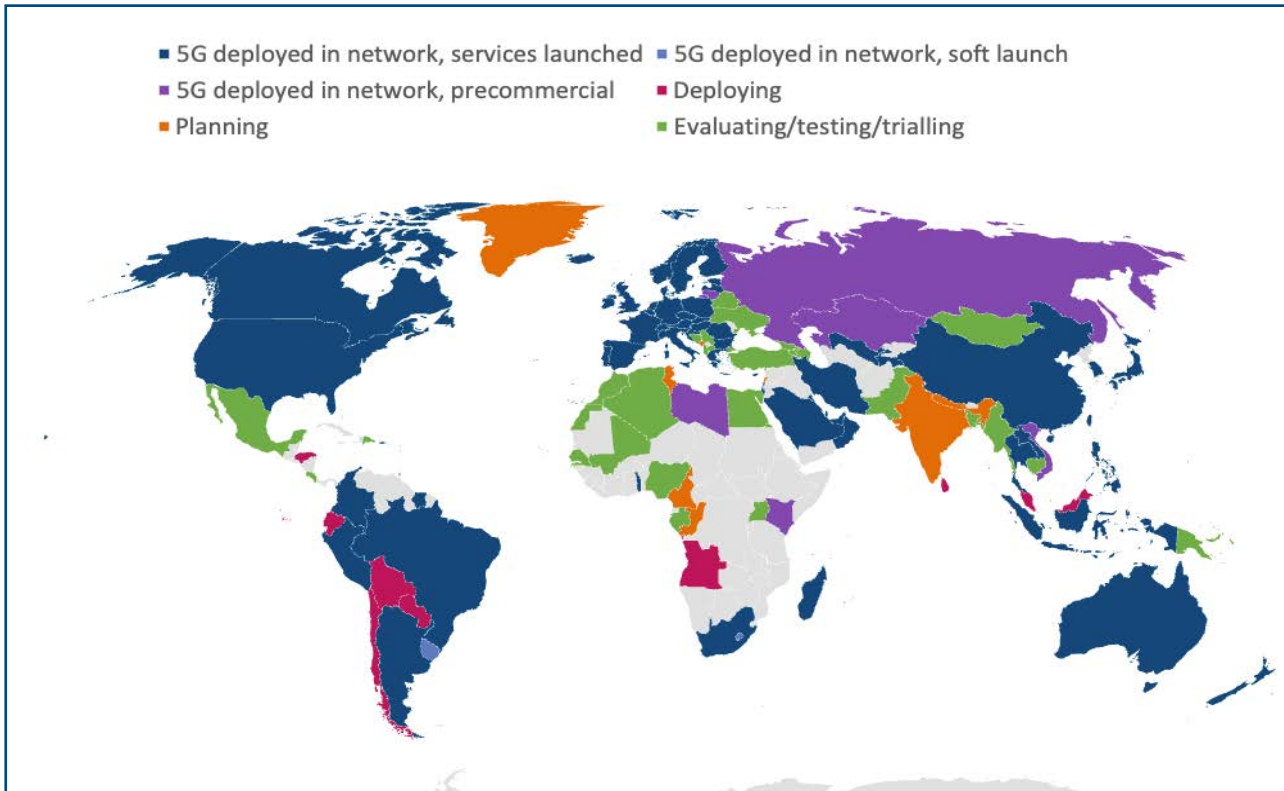


Figure 3: Map of operator investments in 5G (mid-Aug 2021)



## Over 600 commercially available 5G devices

- GSA has catalogued 938 announced 5G devices, up by 350 from 588 in six months
- GSA has identified 450 announced 5G phones, up from 351 in Jan 2021.
- There are at least 608 commercially available 5G devices, up more than 66% in six months.

Figure 4: Count of announced and commercially available models of 5G device (end July 2021)

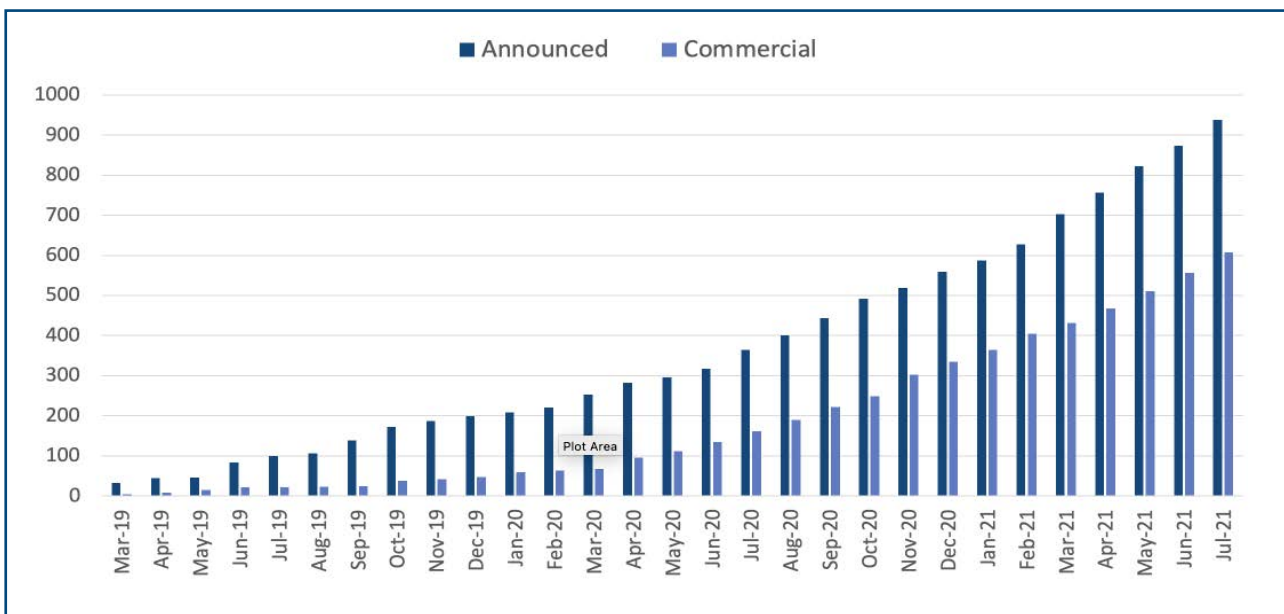
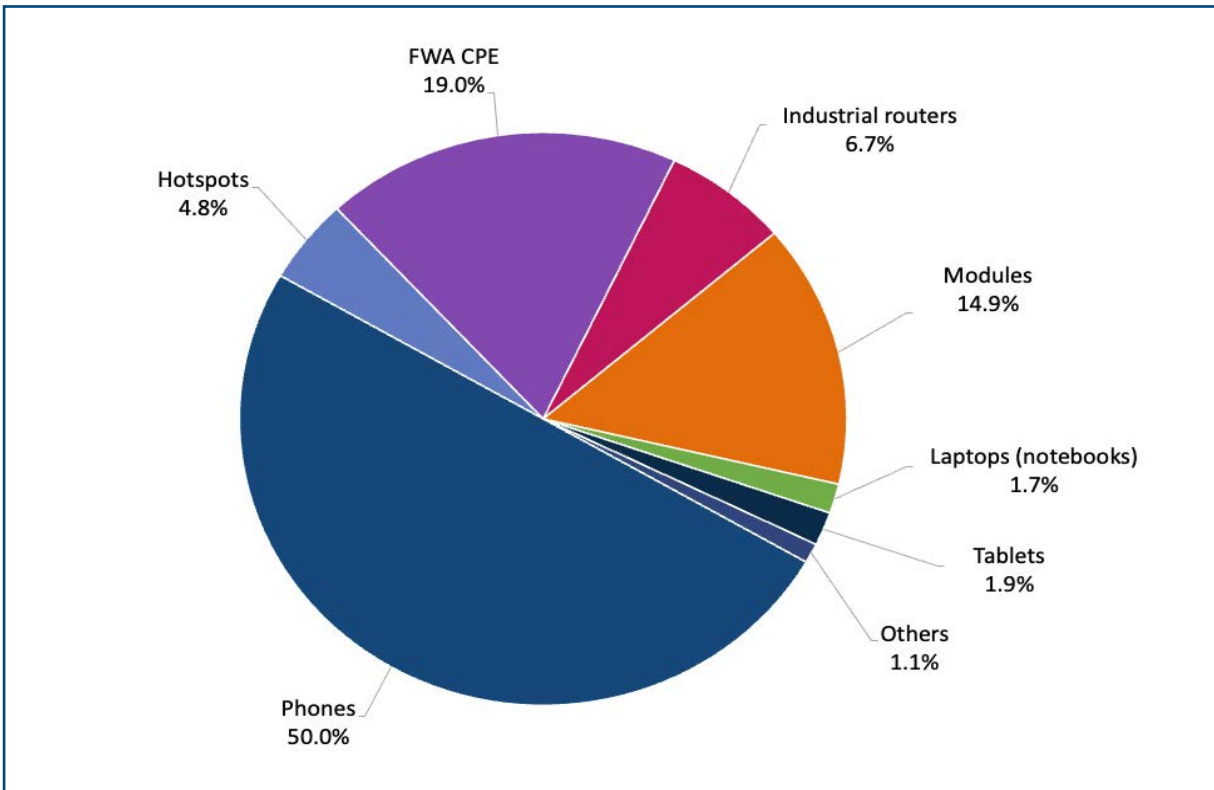


Figure 5: Announced 5G device models by type (end July 2021)



## Spectrum band support in networks and devices

- The spectrum bands most supported in deploying/deployed 5G networks are C-Band, 26/28 GHz, 700 MHz, 2.1 GHz, 2.5 GHz.
- The bands most supported in announced 5G devices are C-Band, 2.5 GHz, 2.1 GHz, 4.4-5 GHz, 1800 MHz and 700 MHz (n28).

Figure 6: Counts of operator investing in key 5G spectrum bands (mid-August 2021)

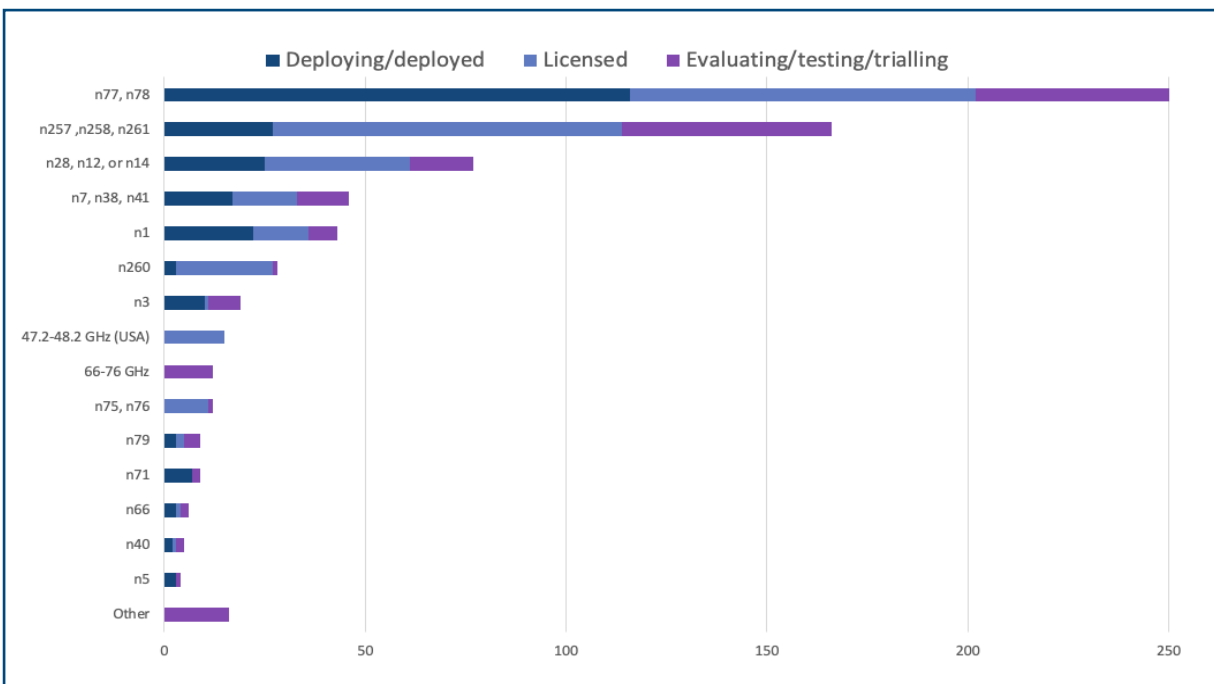
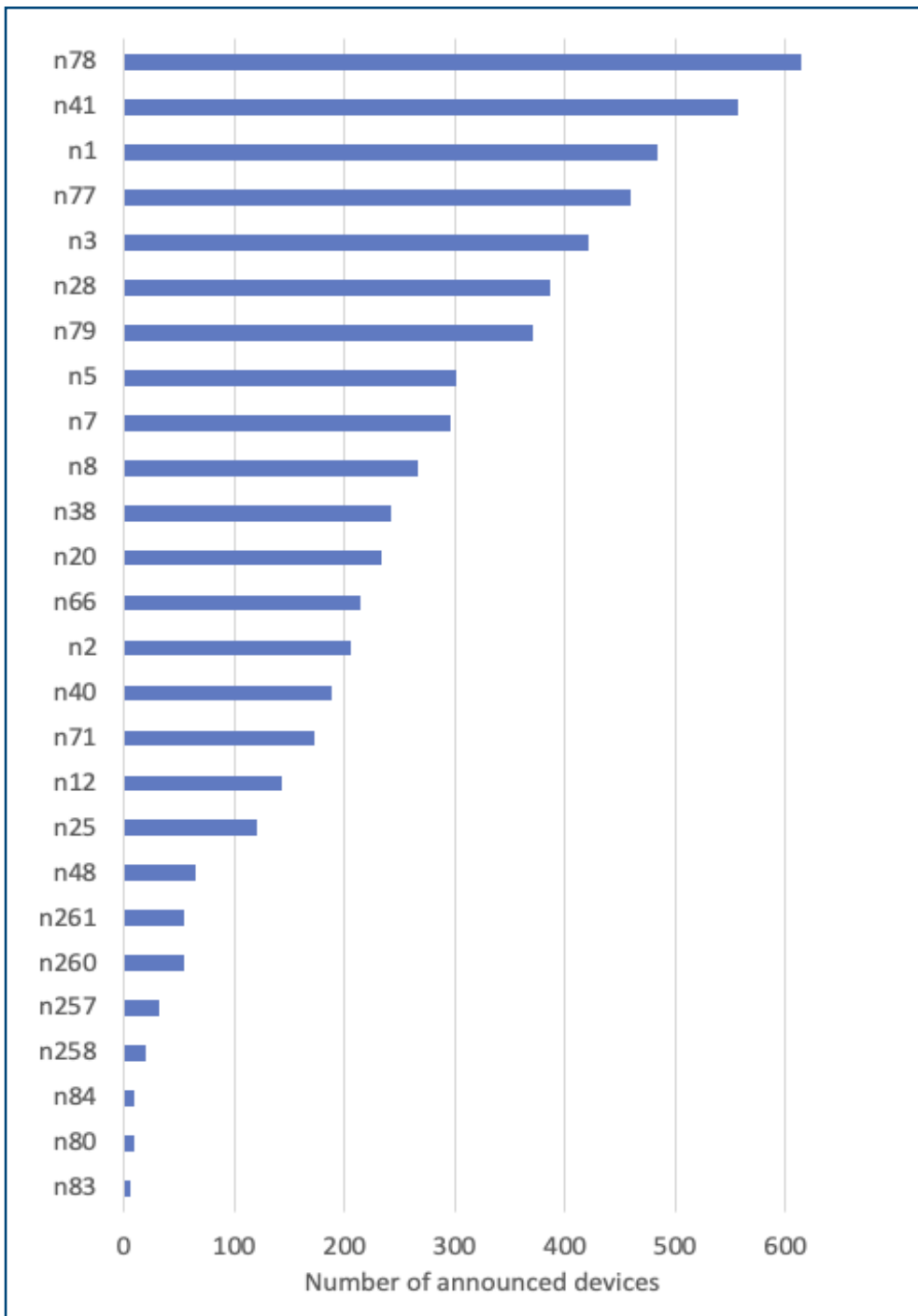


Figure 7: Counts of announced 5G device models supporting key 5G spectrum bands (end July 2021)



Annex of Operators with launched 5G networks (mid-April 2021) supplied for members in the Member Report.

# ABOUT GSA

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

## GSA GAMBoD Database

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