

SolarInnovate Energy Solutions

United Arab Emirates Communications 5G Base Station Infrastructure Tender



Overview

What is the UAE Strategy for 5G & beyond?

This is in line with the UAE Strategy for 5G and Beyond (2020-2025), which includes enabling and achieving long-term social and economic benefits in various areas such as manufacturing, transportation, healthcare, and education. 6 The TDRA published a White Paper on 5G roles in Industry Digitalisation in the UAE in October 2022 (White Paper).

How many 5G stations are there in the UAE?

5G is well-deployed in major urban areas and along main transport routes, but less so in more rural areas. The UAE is estimated to have approximately 7,000 5G base stations, representing seven stations per 10,000 residents. The two principal network operators (Etisalat by e& and Du) as well as the main VMNO Virgin Mobile offer 5G connectivity.

Is du deploying 5g-a Technology in the UAE?

Du launched its 5G SA technology in 2023 and has made significant strides in deploying 5G-Advanced (5G-A) technology in the UAE. Du is reported to have already installed hundreds of 5G-A base stations after carrying out 5G-A trials in October 2023, which paved the way for initial commercial launch of the technology in January 2024.

How much 5G coverage does UAE 4 have compared to Etisalat?

Du reports 98.5% 5G population coverage across the UAE 4 while Etisalat is reported to be at a similar level. It is not clear how much of this coverage is attributable to SA 5G networks.

Which network operators are licensed in the UAE?

There are two licensed network operators in the UAE, Etisalat by e& and Du (along with Virgin Mobile, a VMNO).

Should the government leverage 5G campus networks to deliver 5gtob applications?

It is suggested that the government should leverage 5G campus networks to deliver 5GtoB applications and that the government should publish additional data on network construction indicators, quality standards and user penetration rates to encourage operators to make improvements.

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