

# 5g terminals can communicate without going through base stations

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Although it operates wirelessly, the 5G base station (gNB), that provides the connection is a terrestrial infrastructure. Leaving a coverage area means that you have no service.

Starting with 4G LTE Advanced, and continuing with 5G, standards have been developed to allow devices to communicate with each other directly (Sidelink or SL), with and without the ...

Network Function Virtualization: As shown in Figure 2, all the Network Functions communicate through a common interface and so can be located anywhere. This allows for much ...

NTN low-cost wide-coverage solution is provided through satellite network, so that there is no need to construct and maintain cellular base stations in remote areas and sea areas with sparse users.

We have developed an industrial 5G terminal that can be used in both public 5G networks, which are deployed by mobile carriers, and local 5G networks, which are built by companies and local ...

Device-to-Device (D2D) communication is a key feature of 5G networks that enables direct communication between user devices, such as smartphones or Internet of Things (IoT) devices, ...

Learn how 5G Non-terrestrial Networks utilize satellite technology. Understand their architecture and market adoption trends today.

D2D communication in the cellular network refers to the direct communication between the mobile users without Base Station (BS) or the core network elements. Many papers have shown ...

D2D communication allows nearby devices to communicate directly, without going through the BS or core network. This direct link reduces transmission delay, improves SE, and saves energy, ...

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A white paper published by Rohde & Schwarz provides a thorough technical overview of this emerging landscape, offering insights into how satellite communication is being integrated into ...

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