

About T-Mobile

As America's Un-carrier, T-Mobile US, Inc. (NASDAQ: TMUS) is redefining the way consumers and businesses buy wireless services through leading product and service innovation. The Company's advanced nationwide 4G LTE network delivers outstanding wireless experiences to 72.6 million customers who are unwilling to compromise on quality and value. Based in Bellevue, Washington, T-Mobile US provides services through its subsidiaries and operates its flagship brands, T-Mobile and MetroPCS.

Headquarters

Bellevue, Washington

Coverage

T-Mobile USA is a national provider of wireless voice, messaging, and data services capable of reaching over 308 million Americans where they live, work, and play.

Number of Employees

Approximately 50,000 employees.

Ownership

T-Mobile US, Inc. (NASDAQ: "TMUS") is a publicly traded company. Deutsche Telekom AG (OTCQX:DTEGY) maintains approximately 65% ownership (approximately 63% upon preferred stock conversion).

https://www.t-mobile.com/company/company-info/overview/quick-facts.html

Small cells – Co-existence with existing facilities

Wireless Usage Growing

As wireless usage grows due to explosion of smart phones, we are relying on our phones more and more to perform tasks which were done at home on a computer. Apart from watching videos, streaming music and social media on the phone, we also use them for vital tasks like work emails, home security, banking, shopping etc. This is created a big demand for data and is causing capacity constraints on our network.

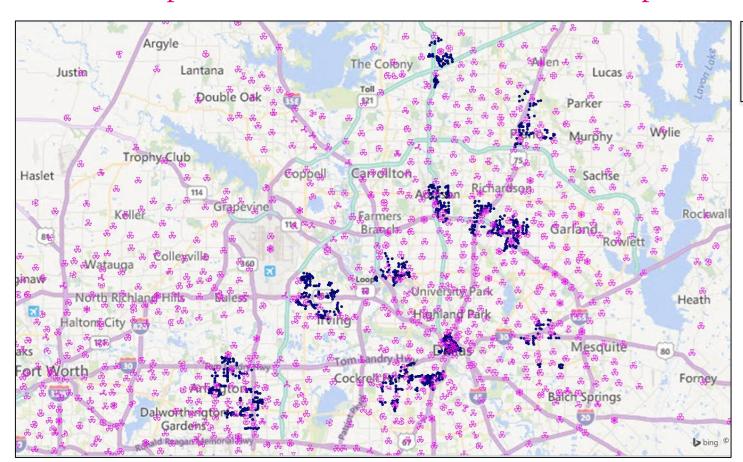
Small cells

- New innovations like small cells allow us to add more capacity to densely populated or high traffic areas.
- Small cells add much required capacity to a highly targeted area which allow the existing overlay facility to provide better service in terms coverage and capacity.

Small Cell features

- Discreet. Lower to the ground.
- Low powered. Each node covers a small area.
- Typically in the public right-of-way.
- Good complement for dense areas with high capacity needs.

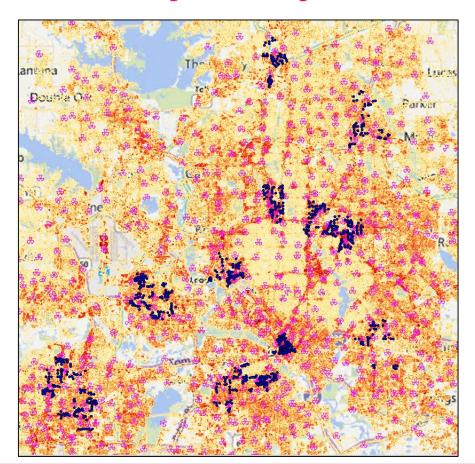
DFW Metroplex – Macro Site and Small Cells Map

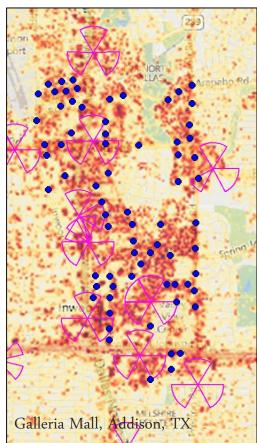


→ On Air Sites

Small Cells

DFW Metroplex – Map with Traffic Density





- **→** On Air Sites
- Small Cells
- Very High Traffic
- High Traffic
- Medium Traffic
- Small Cells are designed to address capacity concerns and are placed within the coverage footprint of congested macro sites. They are good complement in dense areas with high capacity needs.
- By positioning Small
 Cells at high traffic areas
 (Galleria Mall in Addison
 as an example), they will
 relieve congestion of
 macro sites and as a

result will improve overall customer T·Mobile

Small Cell Equipment



Strand mounted equipment and antenna

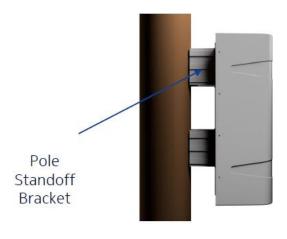
Pole mounted equipment and antenna



Small Cell Equipment

Outdoor Enclosure





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T--Mobile

THE UN-CARRIER®