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## Research Dossier: T-Mobile US



### Country

United States

### Company Name

T-Mobile US, Inc

### Ownership Type

Publicly Traded Company

### Ownership/Controlling Entity

Deutsche Telekom

### Website

<https://www.t-mobile.com/>

### MNC

260

### Company Overview

This dossier is under construction.

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. Our advanced nationwide 4G LTE network delivers outstanding wireless experiences to 81.3 million customers who are unwilling to compromise on quality and value.

### T-Mobile 5G

T-Mobile US launched commercial 5G service in parts of six cities on June 28 2019. Initial 5G deployments have used its 28 GHz and 39 GHz mmWave spectrum, offering very limited outdoor coverage in portions of New York, Los Angeles, Las Vegas, Dallas, Cleveland, and Atlanta.

T-Mobile's 5G service uses EN-DC, establishing a high speed 4G connection and adding a 5G layer in dual-connectivity mode - aggregating the multiple bands to provide a high speed and adaptive mobile broadband service.

In July 2019 T-Mobile announced the successful testing of n71 (600 MHz) in partnership with Qualcomm and Ericsson. The company plans to launch 5G on its 600 MHz spectrum during the second half of 2019.

#### ▼ 3G UMTS Network Information

Details on UMTS network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Launch Date	2008-04	Status	Active
<b>UMTS Band</b>	<b>Packet Data</b>	<b>Status</b>	
<a href="#">B2 (1900 MHz)</a>	<a href="#">HSPA+</a>	Shut Down Announced	
<a href="#">B4 (1700 MHz)</a>	<a href="#">DC-HSPA+</a>	Shut Down Announced	

#### ▼ 4G LTE Network Information

Details on LTE network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Evolution	<a href="#">LTE Advanced Pro (LTE-A Pro)</a>	Status	Active [Launched 2013-03]
Max. MIMO	<a href="#">4x4 MIMO</a>	Max. Modulation	<a href="#">256QAM</a>
Carrier Aggregation	<a href="#">CA_2A-4A (B2+B4)</a> <a href="#">CA_2A-12A (B2+B12)</a> <a href="#">CA_2A-4A-12A (B2+B4+B12)</a>	Features	<a href="#">LTE-U</a> <a href="#">VoLTE</a>

LTE Band	Channel Width	Status
<a href="#">B2 (1900 MHz)</a>	20 MHz	Active
<a href="#">B4 (1700 MHz)</a>	20 MHz	Active
<a href="#">B5 (850 MHz)</a>	10 MHz	Limited / Partial Use
<a href="#">B12 (700 MHz)</a>	5 MHz	Active
<a href="#">B66 (1700 MHz)</a>	5 MHz	Active
<a href="#">B71 (600 MHz)</a>	10 MHz	Active

#### ▼ 5G NR Network Information

Details on 5G NR network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Type	<a href="#">NR (Standard)</a>	Status	Active [Launched 2019-06-28]
Max. MIMO	<a href="#">Massive MIMO</a>	Max. Modulation	<a href="#">256QAM</a>
Carrier Aggregation	-	Features	-

NR Band	Channel Width	Status
<a href="#">n71 (600 MHz)</a>	10 MHz	Build-Out
<a href="#">n257 (28 GHz)</a>	100 MHz	Active
<a href="#">n260 (39 GHz)</a>	100 MHz	Active

#### ▼ IoT Network - NB-IoT (LTE Cat-NB1)

Technology	<a href="#">NB-IoT (LTE Cat-NB1)</a>	Status	Active
Band	<a href="#">B2 (1900 MHz)</a> <a href="#">B4 (1700 MHz)</a> <a href="#">B12 (700 MHz)</a>	Launch Date	2018-07

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