Audit Report

5G Network Reliability US, 07/2021
Key Findings

- T-Mobile has the highest 5G Score nationwide.
- T-Mobile has the most reliable 5G mobile network.
- T-Mobile has the most 5G coverage nationwide.
- T-Mobile achieved the highest score in the Speed category.
Report facts

- 43.386 million Samples
- 24 weeks, 25th January 2021 to 11th July 2021 Data collection time period
- More than 1,300 apps Data collecting applications
- 70,655 Users 5G capable users
5G Score

T-Mobile ranks first in 5G.

The ranking is according to the 5G umlaut score, based on nationwide Crowdsourcing measurements between 25th January 2021 to 11th July 2021. Max. achievable score = 1000

T-Mobile is leading in 40 of 50 states.
5G Reliability

T-Mobile has the most reliable 5G network.

T-Mobile scores highest on KPIs relevant to 5G reliability.

- **5G Coverage Reach**
- **5G Connection Share**
- **DL Speeds in basic internet, HD Video and UHD Video service classes**

The ranking is according to the 5G umlaut score, based on nationwide Crowdsourcing measurements between 25th January 2021 to 11th July 2021. Max. achievable score = 800
Methodology

5G reliability: What does it stand for?

- Ability to find 5G coverage
- Ability to connect to the 5G network & complete the transactions on the 5G network
- Ability to provide sufficient DL speeds to support popular services for 5G users

umlaut 5G Crowdsourcing Score evaluates

- 5G Coverage Reach – where is 5G available?
- 5G Connection Share – how many 5G user’s data speed samples involved 5G?
- DL Speed – How many speed samples are good for supporting popular services like basic internet, HD Video and UHD Video?
5G Coverage
T-Mobile has the most 5G Coverage.

5G Speed
T-Mobile scores highest in Speed category.

400 Points

5G Coverage

Operator | T-Mobile | AT&T | Verizon
---|---|---|---
Score | 364 | 304 | 225

5G Speed

Operator | T-Mobile | AT&T | Verizon
---|---|---|---
Score | 300 | 256 | 295
umlaut SE
Am Kraftversorgungsturm 3 · 52070 Aachen · Germany

Hakan Ekmen · Chief Executive Officer Telecommunication
cell +49 151 571 33 235 · hakan.ekmen@umlaut.com

www.umlaut.com