



Network Performance & 5G Reality Report

National Coverage Gaps & Infrastructure Trends | Advanced Analytics Services | June 2026

Agenda

1. Executive Overview
2. Regional Realities
3. Everyday Usability & User Sentiment
4. The 5G Availability Puzzle
5. Strategic Urban Spotlights
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1. Executive Overview

“” Connecting Nigeria's Digital Experience

What this report does: A nationwide assessment tracking real-world mobile network experiences across Nigeria between June 2025 and May 2026

The Main Takeaway: Your digital experience is heavily shaped by the generation of technology available in your area (4G and 5G) rather than just the brand name of your operator.

This presentation breaks down **What we found** regarding network performance → **What it means for you** as a daily user → **What steps are next** to improve our digital spaces

2. Regional Realities

What we found: A distinct performance gap exists between high-density urban centers and rural or northern communities.

Urban hubs like Lagos, Rivers, and the Federal Capital Territory (FCT) experience network performance that is **30% to 40% stronger** than rural and northern regions

What it means for you: While city centers transition toward advanced features, rural environments continue to experience basic connections, creating variations in how everyday applications perform.

Regional Disparity	National Trend	Urban vs. Rural Performance Gap
	30.0% - 40.0%	Margin by which major cities outperform rural areas

3. Everyday Usability & User Sentiment

Stability Matters: How Connections Match Consumer Expectations

What we found: Survey responses from active users reveal a strong demand for more consistent day-to-day network behavior.

The Real-World Test: Basic web browsing and video streaming generally work well, but real-time interactive activities act as the ultimate stress test:

-  **Video Calls & Distance Learning:** Vulnerable to connection lag and stuttering.
-  **Mobile Banking & Digital Payments:** Highly dependent on network availability rather than peak burst speeds.

The Device vs. Network Contrast: Interestingly, consumers express significantly higher satisfaction with their physical mobile hardware than with the services delivering the connection

4. The 5G Availability Puzzle

Device Ready, Network Transitional: The Modern Smartphone Experience

What we found: There is an active, rapidly growing population of 5G-capable smartphones across Nigeria's major cities, but actual 5G utilization lags behind this device readiness.

The Breakdown: * Lagos: Active 5G usage among capable devices sits at approximately 46.0%.

Abuja (FCT): Active 5G usage among capable devices sits at approximately 53.1%.

What it means for you: In major urban centers, more than half of the time a 5G-ready phone is active, it falls back to 4G or legacy connections due to network density limitations

5. Strategic Urban Spotlights

Where are the Coverage Gaps? High-Traffic Priority Clusters

What we found: 5G availability gaps are not random anomalies; they follow specific structural patterns across our major administrative and commercial cities.

Key Growth Zones Identified:



Civic & Institutional Centers: High device density but limited effective advanced coverage.



Mixed Business & Residential Districts: Subject to sustained daily traffic where performance drops are highly visible to users.



Transport & Mobility Corridors: Airport-adjacent pathways and transit hubs experience high demands for continuous connectivity.

6. The Way Forward

What's Next: Creating a Balanced Digital Future

-  **Spectrum Refarming:** Gradually moving away from legacy 2G and 3G systems to open up lanes for stronger, modern 4G and 5G networks.
-  **Targeted Geographic Investment:** Shifting focus from "national averages" to targeted infrastructure expansion in underperforming states and rural corridors.
-  **Infrastructure Sharing:** Encouraging network operators to share baseline physical structures (towers, fiber links) to quickly eliminate rural coverage gaps.
-  **Experience-Driven Metrics:** Prioritizing network stability and response times within national monitoring frameworks to directly reflect consumer realities.

Thank You