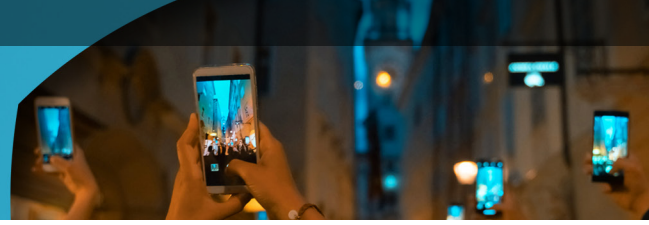


5G Adoption Analysis



KEY BENEFITS

- Solidify your investment strategy:** Sandvine's 5G Adoption Analysis helps operators determine when and how to further invest in their 5G journey
- Provide Service Continuity:** Seamless application service continuity across LTE and 5G access
- Dive into deeper Analysis:** This Use Case lets you apply multiple filters to see data by device type, access-connectivity, radio vendor, service category, service, sub class, and plan type
- Tailor the best plan for your subscriber:** Create 5G-specific plans based on what is wanted by consumers
- Insightful Trends:** Use rich data that can be viewed from the previous 7 days to 12 months to ascertain insightful trends

The full transition to 5G is complex. There are still elements of different generations in the same network and multiple options available for a new 5G Network deployment.

Network and capacity planning teams need clear visibility into the penetration of subscribers, devices and the ability to track the QoE on different radio access types.

5G networks have been coming online across the world at an unprecedented rate. Largely, this adoption is driven by the wide number of 5G-capable devices on the market and the 5G promise of better reliability and speed. As with any other tech turn the 5G transition journey is complex. The path for service providers to achieve a single 5G core network is not straight or singular.

The challenge is further compounded as service providers will have to support both 5G dual mode (non-standalone) and 5G standalone devices, along with existing 4G devices. Insights into the customer experience is required for efficient, industry competitive operations.

SOLUTION OVERVIEW

Sandvine's 5G Adoption Analysis Use Case answers the fundamental question for 5G service providers: "How fast are my customers migrating to my 5G network?" More than that, it is an important tool for service providers as they embark on their 5G journey, arming them with the visibility needed to ensure the transition is seamless, efficient, and delivers the performance expected by customers.

This Use Case leverages Sandvine's unique industry-leading classification and contextual awareness capabilities to provide a comprehensive view of 5G adoption.

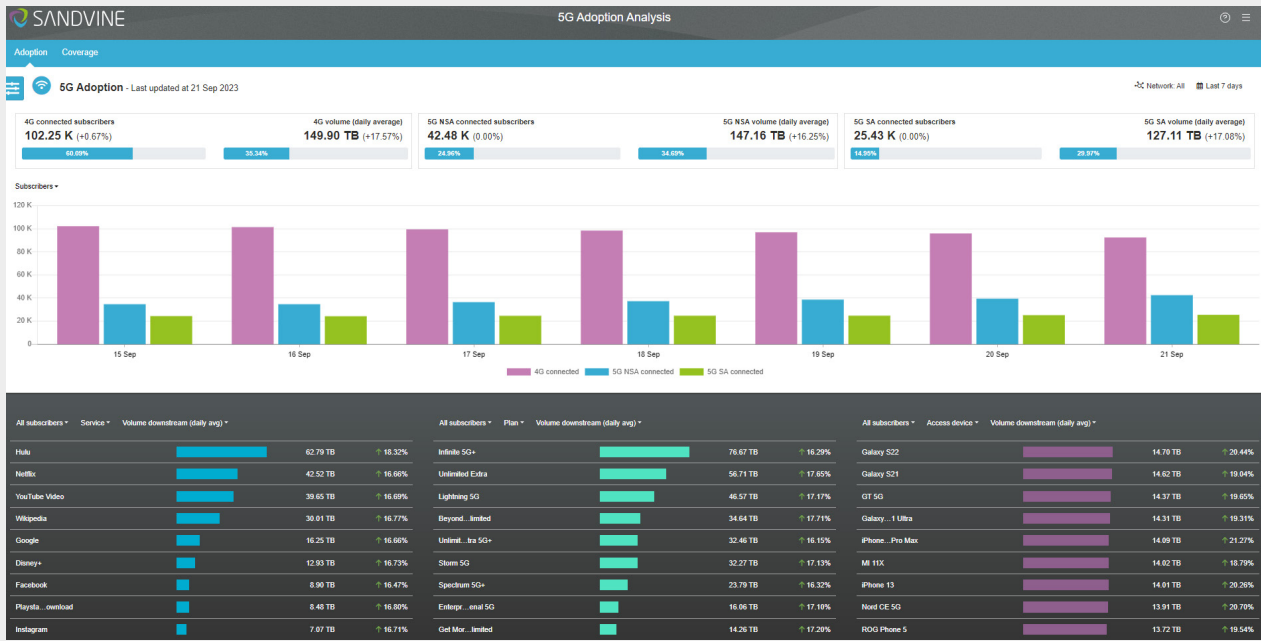
More importantly, it tracks this over time (in as little as the previous 7 days and up to 12 months) with location information, providing overall trends to determine when and how further investments should be made to best serve customers.

This Use Case enables service providers to:

- Differentiate and compare 5G-connected subscribers, with subscribers connected via other access technologies like 4G
- View the different stages of 5G transition to help facilitate the journey
- Ensure 4G/5G-NSA/5G-SA service continuity
- Monitor usage and quality trends
- Understand the impact on service plans and different customer segments
- Create 5G-specific plans based on what is desired by consumers

Figure 1

5G adoption view in the ANI Portal



REQUIRED SOLUTION COMPONENTS

- ActiveLogic
- Maestro Policy Engine
- Insights Data Storage
- Deep Insights
- Elements

ABOUT SANDVINE

Sandvine's cloud-based Application and Network Intelligence portfolio helps customers deliver high quality, optimized experiences to consumers and enterprises. Customers use our solutions to analyze, optimize, and monetize application experiences using contextual machine learning-based insights and real-time actions. Market-leading classification of more than 95% of traffic across mobile and fixed networks by user, application, device, and location creates uniquely rich, real-time data that significantly enhances interactions between users and applications and drives revenues. For more information visit <http://www.sandvine.com> or follow Sandvine on Twitter @Sandvine.



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