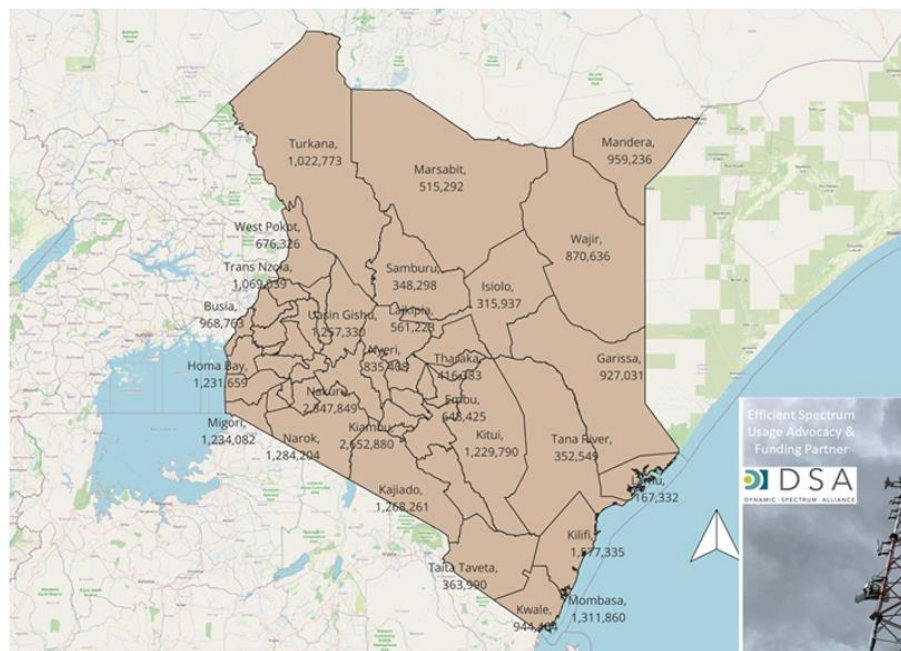




Developing the Roadmap of a Shared Spectrum Framework for Non-Public Networks in Kenya



Map of Kenya's 47 Counties and their populations - 2025

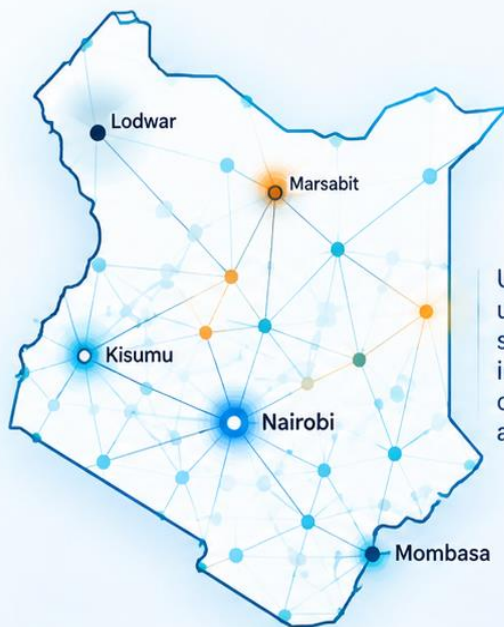


The Regulatory Analysis for Non-Public Networks (NPNs)



Kenya

A Connected and Inclusive Digital Future



Unlocking underutilized spectrum for innovative connectivity across Kenya

FOCUS SPECTRUM BANDS



1800 MHz

Opportunities for shared access

3.6 – 4.2 GHz

Opportunities for opportunistic access

Efficient Spectrum Use | Innovative Services | Sustainable Connectivity



The Central Regulatory Question

ENABLING INNOVATION | PROTECTING EXISTING USERS | MAXIMIZING SPECTRUM VALUE



Research question

What regulatory framework should Kenya adopt to enable NPNs to access underutilized spectrum opportunistically in the 1800 MHz and 3.6–4.2 GHz bands, while protecting incumbent users?

The regulatory analysis focused on:



HOW

Authorization Approach



How to authorize NPNs spectrum access (e.g. licensing, registration, light-touch authorization, regulatory sandbox).



CONDITIONS

Access and Coexistence



Access and coexistence conditions (e.g. technical parameters, geographic/time-based access, database-driven access).



PROTECTION

Incumbent Users



How to ensure incumbent users are protected (e.g. interference mitigation, monitoring, compliance and enforcement).

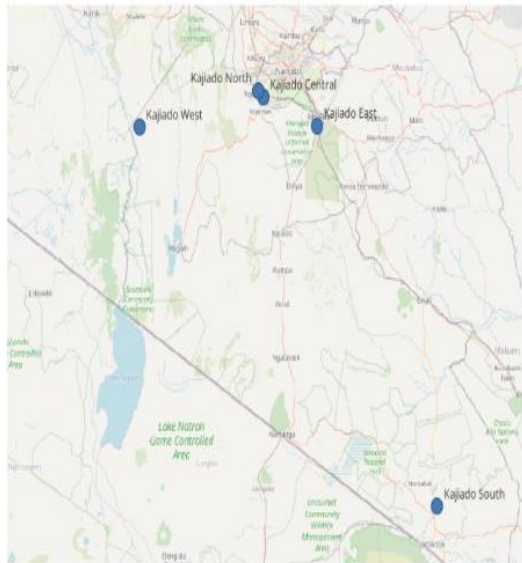
SHARED SPECTRUM | STRONGER CONNECTIONS | A DIGITAL KENYA FOR ALL



Deployment of the NPN Testbed Network in Kajiado County

April 2026 to August 2026

Pilot an NPN Network
(Led by Namelok CN)



Priority Bands: 1800 (band 3)
3.6-3.8 GHz (n78)

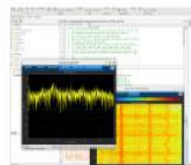


Demonstrate an IoT Use Case
(Farming)

Outputs

Testbed NPN
Network

Demonstrable use
cases for IoT
innovation





NAMELOK DEPLOYMENT SITES

