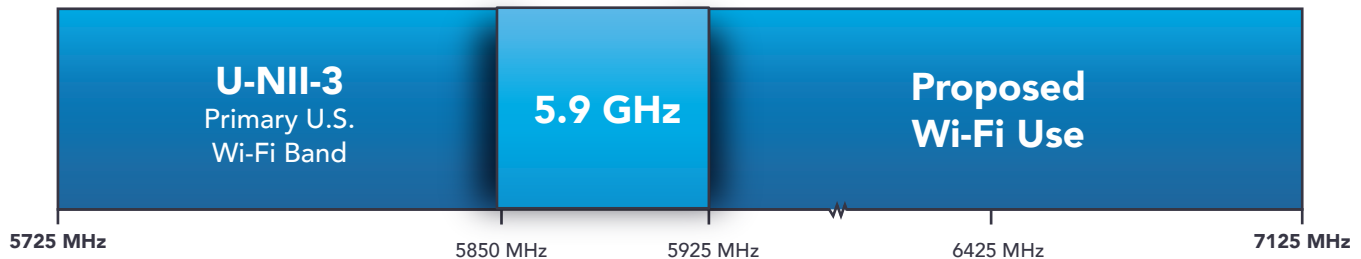


WI-FI SUPERBAND PLAN

The 5.9 GHz band is **America's best spectrum opportunity** for high-quality, next-generation Wi-Fi for economic growth, consumers and next generation networks



ECONOMIC VALUE:

According to a RAND Corporation study, opening up the 5.9 GHz frequency band for Wi-Fi could contribute between \$82-190 Billion in economic surplus per year for the country and contribute up to \$100 Billion annually in GDP.



AVAILABLE CAPACITY:

A combined 5.9/5.9 GHz band will let U.S. companies deploy next-generation Wi-Fi technologies that require 160-megahertz channels. The band was planned for transportation services that simply never emerged—and this failure led to an untenable situation where the band is now essentially empty. There is simply no other band that is so underused.



CONSUMER BENEFITS:

There's an exploding demand for wireless technologies, and Wi-Fi is our wireless workhorse. Businesses and consumers require access to Wi-Fi and other technologies using unlicensed spectrum to power their devices and support the burgeoning Internet of Things. The latest Wi-Fi standard, Wi-Fi 6, depends on these wide channels to bring consumers (including carriers who offload traffic to Wi-Fi) better outdoor coverage, gigabit speeds, better battery life and more efficient Wi-Fi operations.



OPTIMAL LOCATION:

This band is immediately adjacent to the 5.8 GHz unlicensed band, which already supports Wi-Fi for millions of consumer devices and critical functions like medical telemetry, airport operations, container ports and railway monitoring and logistics, industrial Internet of Things networks used in manufacturing and retail fulfillment.

