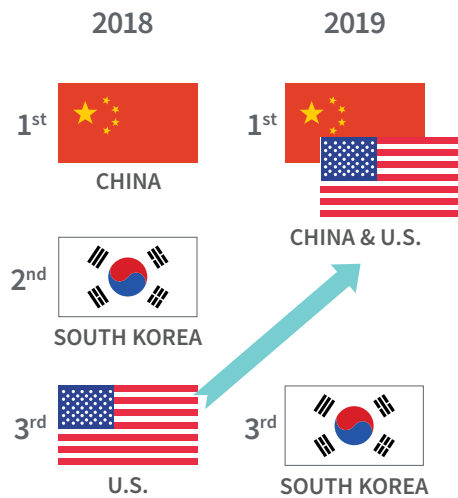


A National Spectrum Strategy to Lead in 5G

Global 5G Readiness



5G will transform the way we live and work, and the innovations of the future will be built on this next-generation of wireless. 5G will require an influx of more spectrum to support American's mobile needs and our global wireless leadership.

The Race for Global 5G Leadership

A year ago, China and South Korea were leading the 5G race, with the U.S. in third place. This year, America is now tied for first with China in 5G readiness.

Significant investment by America's wireless industry and the visionary leadership of policymakers have empowered America's wireless providers to build the world's biggest, most robust, and most secure 5G networks.

In the past year, the FCC, Administration, and Congress moved quickly to remove barriers to deployment, modernize siting rules, and unleash the power of free market competition. Now, thanks to those free market policies that have unlocked the competitive energy of the U.S. wireless industry, America leads the world with the most commercial 5G deployments.

But the work is far from done. While America ranks strongly in the majority of 5G-readiness metrics, including leading the world in high-band spectrum availability, China and many other countries are ahead in making critical mid-spectrum available for 5G and Chinese wireless operators are conducting hundreds of large-scale 5G trials across the country, thanks to a significant wireless infrastructure advantage.



5G Deployments

(by the end of 2019)



The U.S. will have nearly twice as many as any other nation—in communities from Harrison County, Mississippi and Indianapolis, Indiana to Nashville, Tennessee, and Los Angeles, California.

A Spectrum Strategy to Lead in 5G and the Industries of the Future

Recognizing 5G's potential, the Trump Administration is developing a National Spectrum Strategy that gives "industry more freedom to innovate." To help fulfill the Administration's vision, America's wireless industry has developed a three-point plan of action built on the proven approaches that made the U.S. a global leader in wireless.

The U.S. National Spectrum Strategy should include:

1 A Five-Year Schedule of Spectrum Auctions

The National Spectrum Strategy should create a clear, five-year schedule of the low-, mid-, and high-band auctions needed to fuel 5G deployments and innovations. This will provide the U.S. entire wireless ecosystem—from providers to network equipment vendors to device manufacturers—with the certainty they need to allow for effective network and product planning and design.

2 Free Market Spectrum Principles

The National Spectrum Strategy should recommit U.S. federal spectrum policy to the free market approach that helped America win the race to 4G and lead the world in large-scale commercial 5G deployments. These principles should reflect how the power of competition enhances our nation's economic and national security.

3 Modernized Government Policies and Procedures

Smart spectrum policy is good government policy and the National Spectrum Strategy should articulate a vision for modernizing the government's approach to managing this resource in a way that both benefits government operations, and encourages private sector development.

A Spectrum Stimulus

Freeing up the priority spectrum bands will add

\$391B

to the economy

1.8M

new jobs.

Priority Spectrum Bands

HIGH-BAND

26 GHz
29/31/32 GHz
37/39/42 GHz
47/50 GHz

MID-BAND

3.45 GHz
3.5 GHz
3.7 GHz

LOW-BAND

1.3 GHz
1.7 GHz