

**U.S. Manufacturing
Buildings and
Factories: Wireless
and Cellular Nodes
Forecast, 2019-
2024**

Market Study
Second Quarter 2020





U.S. Manufacturing Buildings and Factories: Wireless and Cellular Nodes Forecast, 2019-2024

Market Study

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iGR
12400 W. Hwy 71
Suite 350 PMB 341
Austin TX 78738

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Abstract

There are many thousands of manufacturing buildings – factories, assembly plants, etc. – in the U.S. With the advent of 3GPP 5G New Radio (NR) as the next “G” in the evolution of cellular technologies, cellular itself is seen as a way to enable the factory floor with very high throughput, ultra-reliable and low latency cellular solutions. This is seen as the path toward the “smart factory.”

This market study provides a five-year forecast for the number of Sub 6 GHz, CBRS, mmWave and Wi-Fi nodes expected to be deployed in U.S. manufacturing facilities and factories. A five-year total addressable market forecasts for these technologies are also provided.

This version 2.0 of the market study provides an updated forecast based on the expected impact of the global virus COVID-19, as *iGR* understands it today.

Key questions addressed in this study:

- What is a manufacturing building or factory? What applications and services are enabled in a manufacturing building?
- What technologies are required for a smart manufacturing building or smart factory?
- What is 5G NR?
- How does 5G NR impact manufacturing buildings and factories?
- What is CBRS?
- How does CBRS impact manufacturing buildings and factories?
- What is the total addressable market for Sub 6 GHz, CBRS, mmWave and Wi-Fi nodes in U.S. manufacturing buildings and factories?
- How many Sub 6 GHz, CBRS, mmWave and Wi-Fi nodes are expected to be deployed in U.S. manufacturing buildings and factories between 2019 and 2024?

This market study is recommended for:

- Mobile operators, particularly those servicing the U.S. market



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- Mobile backhaul providers, including telcos and cable MSOs
- Wired and wireless backhaul vendors and solution providers
- Mobile OEMs, particularly those servicing the U.S. market
- Wired and wireless infrastructure vendors, particularly those servicing the U.S. market
- Financial and investment analysts.



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