

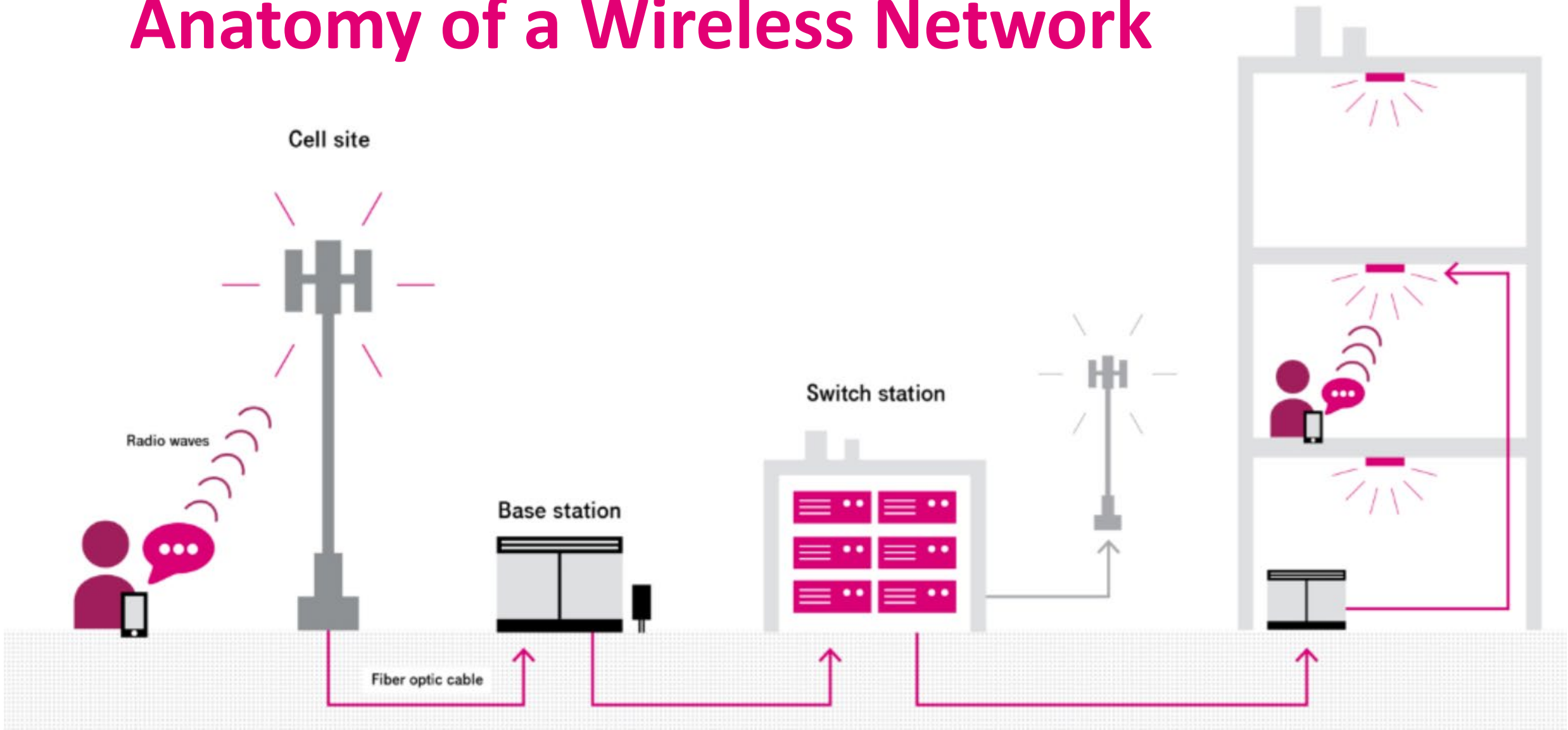
# Energy & Telecom Committee Montana State Legislature

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T-Mobile





# Anatomy of a Wireless Network





# Anatomy of a Wireless Network

## T-Mobile Spectrum Deployment

High-Band = “Millimeter Wave”

Mid-Band = 2.5 GHz

Low-Band = 600 MHz





# T-Mobile Facts

- Total customers:
  - 116.6 million (Q2 2023)
- Total high speed internet customers:
  - 3.7 million (Q2 2023)
- Total employees:
  - 71,000 nationwide (end of 2022)
- T-Mobile 5G covers 326 M people—98% of Americans—more than AT&T and Verizon combined
- T-Mobile covers 285 M people with mid-band, super-fast, Ultra Capacity 5G, with plans to reach 300 M by the end of the year
- Nationwide overall network leader and Largest, Fastest and Most-Awarded 5G network (Ookla, Opensignal, umlaut)



# T-Mobile in Montana

- Acquired licenses to serve Montana from Charter in 2016
- Built a robust wireless network in 3 years, robust 5G two years later
- Zero to statewide in 5 years!
- Retail Stores
  - T-Mobile: 14 stores
  - Metro PCS: 5 stores
- T-Mobile Employees
  - 46 employees in Montana
- Percent of population covered:
  - 97% LTE, 95% 5G (on-ground coverage)
- Our impressive 5G coverage in Montana is the result of 5G deployment primarily on low-band (600 Mhz) spectrum
- T-Mobile will continue to invest significantly in Montana, consistent with historical budget allocations and market penetration
- Mid-band (2500 Mhz or 2.5 Ghz) is the next phase of deployment. Already, 30% of MT sites have mid-band deployed.



# Merger Commitment (2020): Nationwide

## Coverage

	2023	2026
Percent of US Population Covered – Low-Band	97%	99%
Percent of US Population Covered – Mid-Band	75%	88%

## Speed

	2023	2026
Percent of US Population Covered w/ Download Speeds 50 Mbps or greater	75%	99%
Percent of US Population Covered w/ Download Speeds of 100 Mbps or greater	63%	90%



# Merger Commitment (2020): Rural

## Coverage

	2023	2026
Percent of US Population Covered – Low-Band	85%	90%
Percent of US Population Covered – Mid-Band	55%	66.7%

## Speed

	2023	2026
Percent of US Population Covered w/ Download Speeds 50 Mbps or greater	66.7%	90%
Percent of US Population Covered w/ Download Speeds of 100 Mbps or greater	55%	66.7%



# Merger Commitment (2020): Home Internet

## In-Home Broadband

	2023	2026
<b>Number of Homes Marketed for In-Home Broadband - Nationwide</b>	9.6 M	28 M
<b>Number of Homes Marketed for In-Home Broadband - Rural</b>	2.6 M*	5.6 M

\*recently reported 3.7 M In-Home Broadband customers (Q2 2023)



**Thank you.**

**Questions?**

