ACG – Nashville, TN

May 9-11, 2024

RFAnalytic
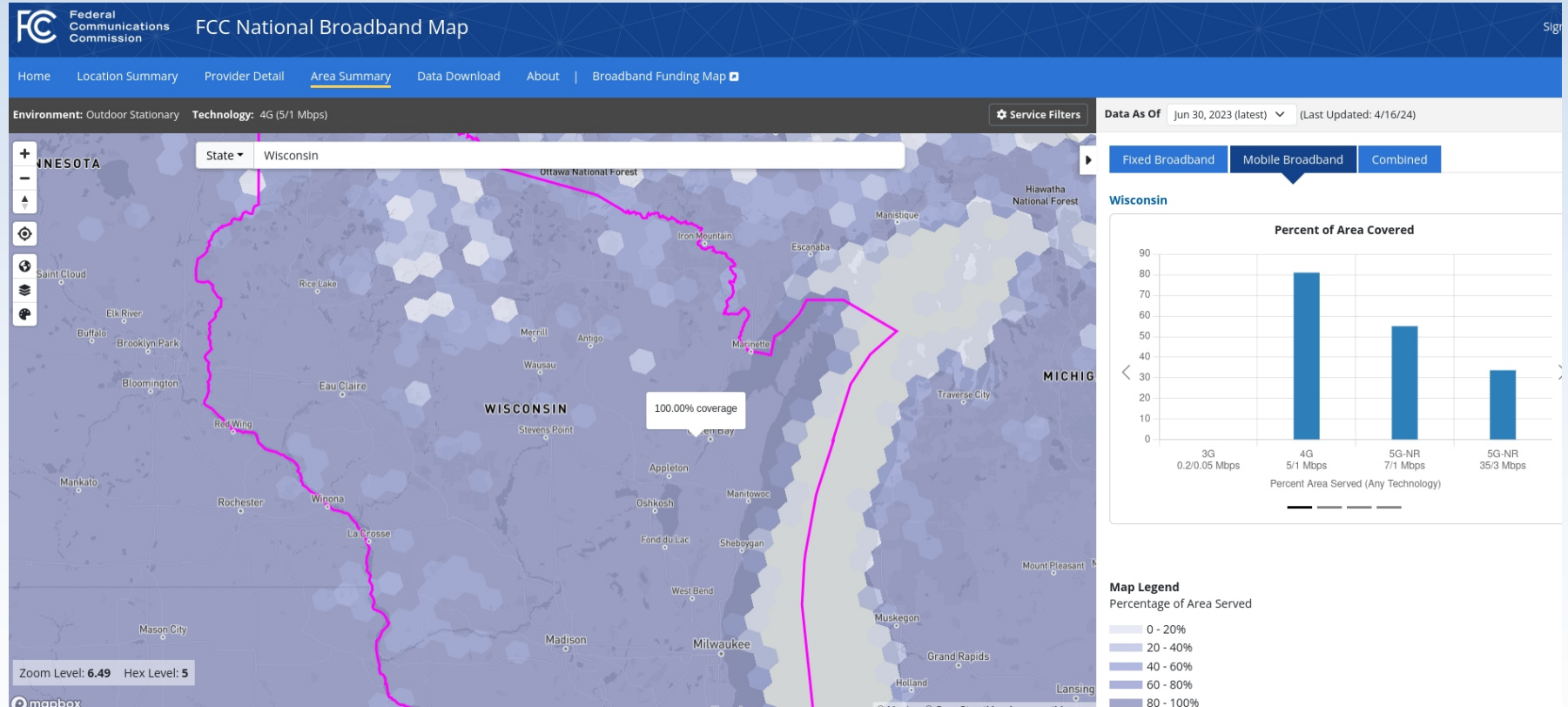
BDC – A Closer Look

The FCC National Broadband map

Referred to as "BDC" - Broadband Data Collection
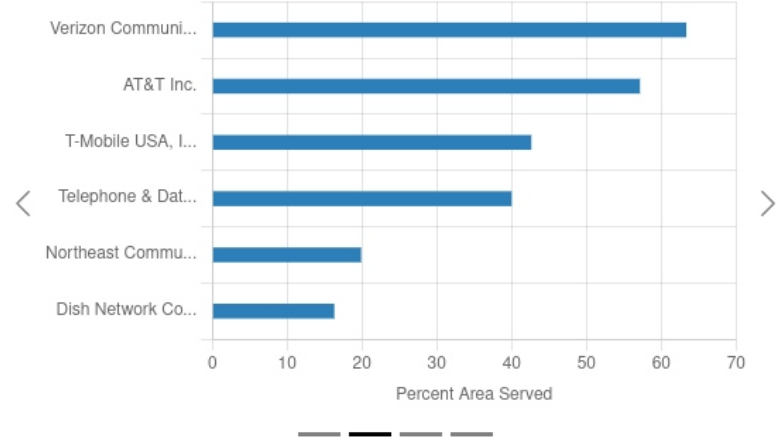
You Already Know This

What you can Learn

1. **Mobile**
   - 3G
   - 4G (LTE)
   - 5G (7 Mbps / 1 Mbps)
   - 5G (35 Mbps / 3 Mbps)
   - Mobile Voice

2. **Fixed Networks**
   - Copper (DSL)
   - Coax (Cable)
   - Fiber
   - Geostationary Satelite
   - Non-Geostationary Satelite (Starlink)
   - Fixed Wireless Unlicensed
   - Fixed Wireless Licensed (Mobile carriers)
   - Fixed Wireless By Rule (CBRS - GAA)

The Details Are In The Download

Would You Rather Know This?

BDC - A closer look

🔍

Introduction
Signals
Delta Plot
Delta Map
AT&T   >
  AT&T 4G coverage
  AT&T 5G - 7/1
  AT&T 5G - 35/3
  AT&T Voice

Cellcom   >
  Cellcom 4G coverage
  Cellcom 5G - 7/1
  Cellcom 5G - 35/3
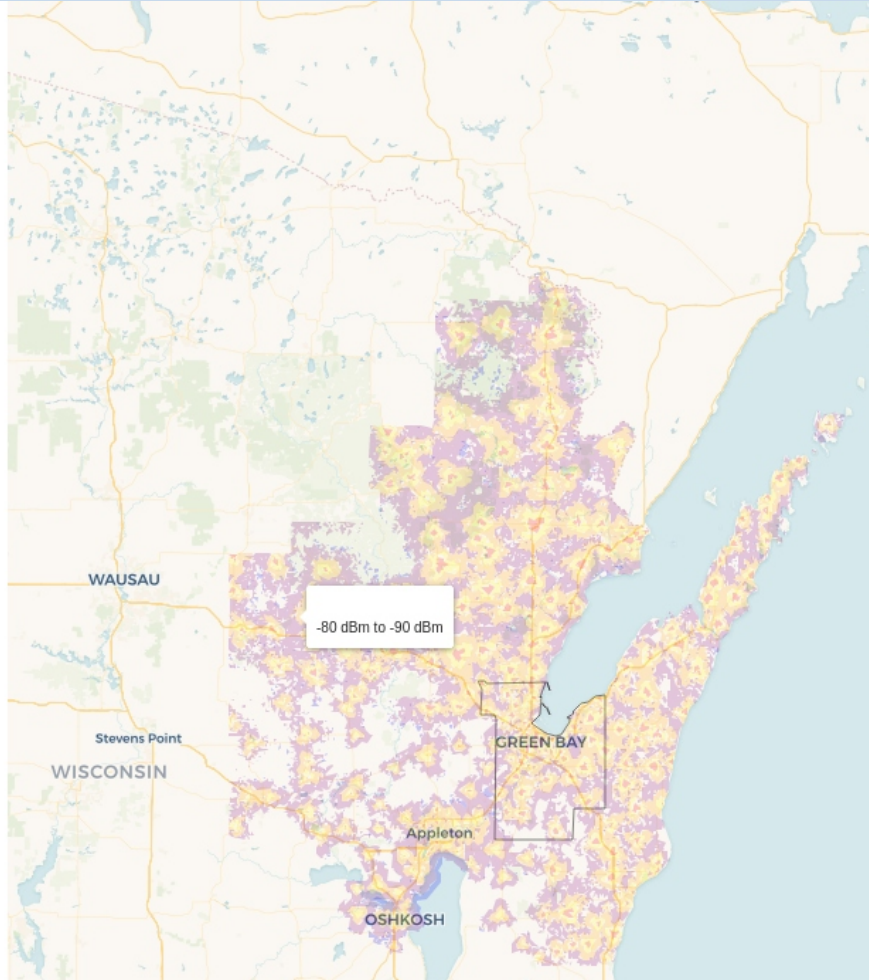 Cellcom Voice

Dish Networks   >
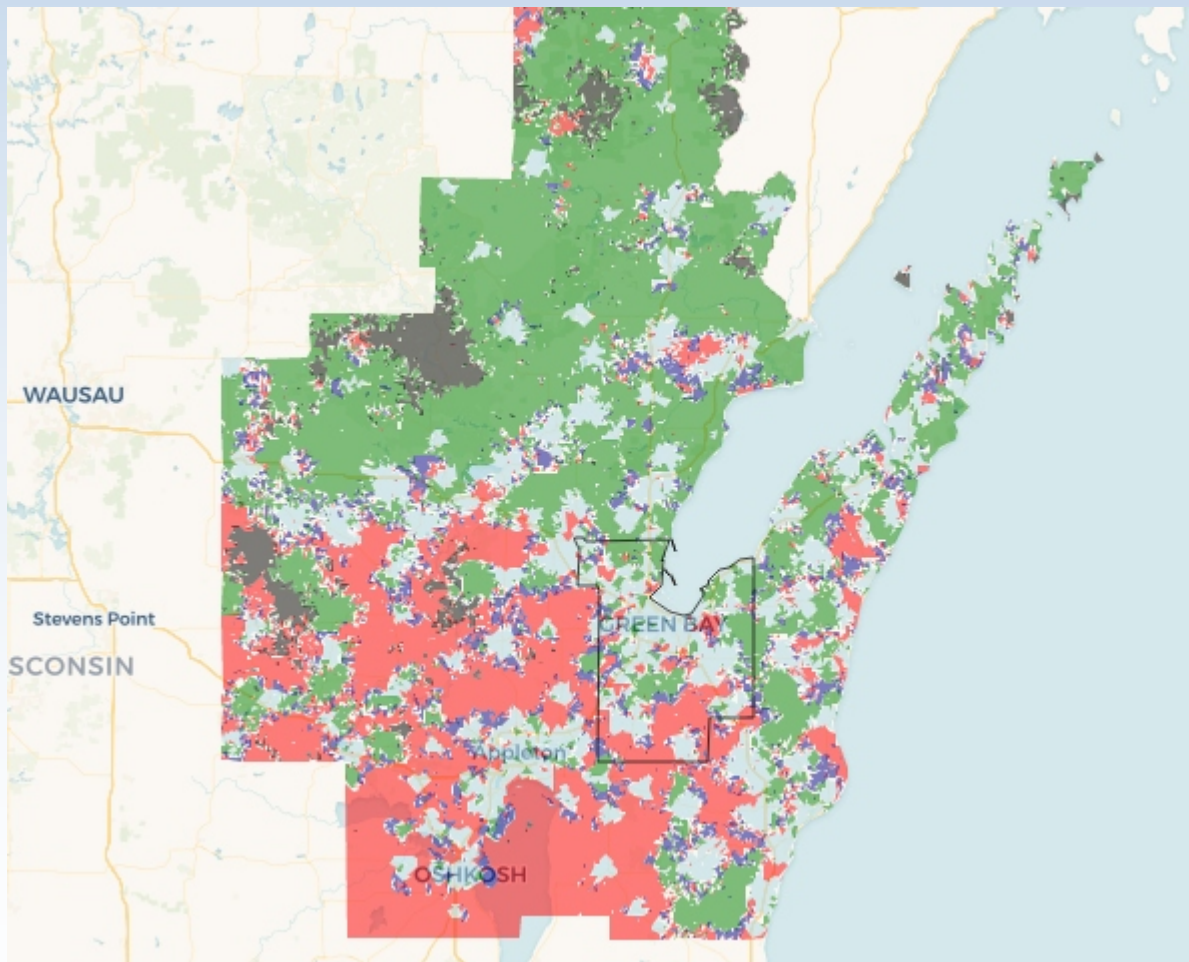 Dish 5G - 7/1
  Dish 5G - 35/3
  Dish Voice

T-Mobile   >
  T-Mobile 4G

-80 dBm to -90 dBm

Or This?

(Your network vs Competitor "X")

- Black - Neither carrier reports service
- Light Blue - Same experience either carrier (stronger than -90 dBm)
- Dark Blue - Same experience either carrier (weaker than -90 dBm)
- Green - Advantage in service vs competitor X
- Red - Disadvantage vs competitor X

Pros – Cons

Pro
- New information twice per year
- Information supplied by carrier
- Coverage
- Geographic Significance
- Monitor competetive network growth
- Compare your network to others
- No drive testing required
- Timely update one information available

Con
- Need to manipulate the data
- Did carrier submit accurately?
- No capacity information

RFA

BDC Made Easy

- RFAnalytic Postprocess Downloads
- Converts to Web Format
- Deploy to:
  - Desktop
  - Company LAN for access (per IT permission)

Thank you

robert@rfanalytic.com