Wireless Carrier Claims versus Customer Performance

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March 2014
Exaggerated claims might have an economic impact.

- What about over subscription reducing performance during high use?
- What is the effect of indoor v outdoor coverage?

Great questions, but not in 10 minutes.

- FCC and CPUC will employ crowd source approach to get data.
Claim: almost perfect LTE
Small LTE extended area
Verizon reports to the CPUC

- Border shows 5 sq mile survey area
- Claim: 10-25 Mb/s up
- Claim: 3-6 Mb/s down
- Elevation: 400 ft to sea level
- Area has 6 cell sites
Survey method

- Verizon LTE 7 inch tablet
- Measurement at every street intersection
- No do overs
- Ookla speed test
Links

- Data for each measured point: upload and download speed, ping time and coords
  http://people.ucsc.edu/~warner/verizon-SC.kml
  http://people.ucsc.edu/~warner/verizon.CSV
- Test of building envelope penetration
  http://people.ucsc.edu/~warner/in-bldg
- CPUC data in KML format
  http://people.ucsc.edu/~warner/mobile-test