Public Safety Broadband Demonstration Network Overview

Public Safety Communications Research

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Performance – which is the best car?

Cost: $2200
Power: 37 hp
Mileage: 56 mpg
0-37 mph: 10.6 sec
0 – 60 mph: 32.6 sec
Top Speed 65 mph

TATA Nano

Cost: $1,500,000
Power: 1001 hp
Mileage: 8 mpg (3 mpg @ top speed – gone in 12 minutes)
0 – 60 mph: 2.8 sec
0-100: 5.5 sec
Top Speed 268 mph

Bugatti Veyron

Answer: Both – it depends on the problem you're trying to solve!

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Examples Courtesy of Agilent Technologies

High performance wireless (LTE) is a bit like high performance automobiles…

- **It is undeniably real**
- **But is it obtainable ($$$)**

And once you've obtained it, where and how often can you experience it…

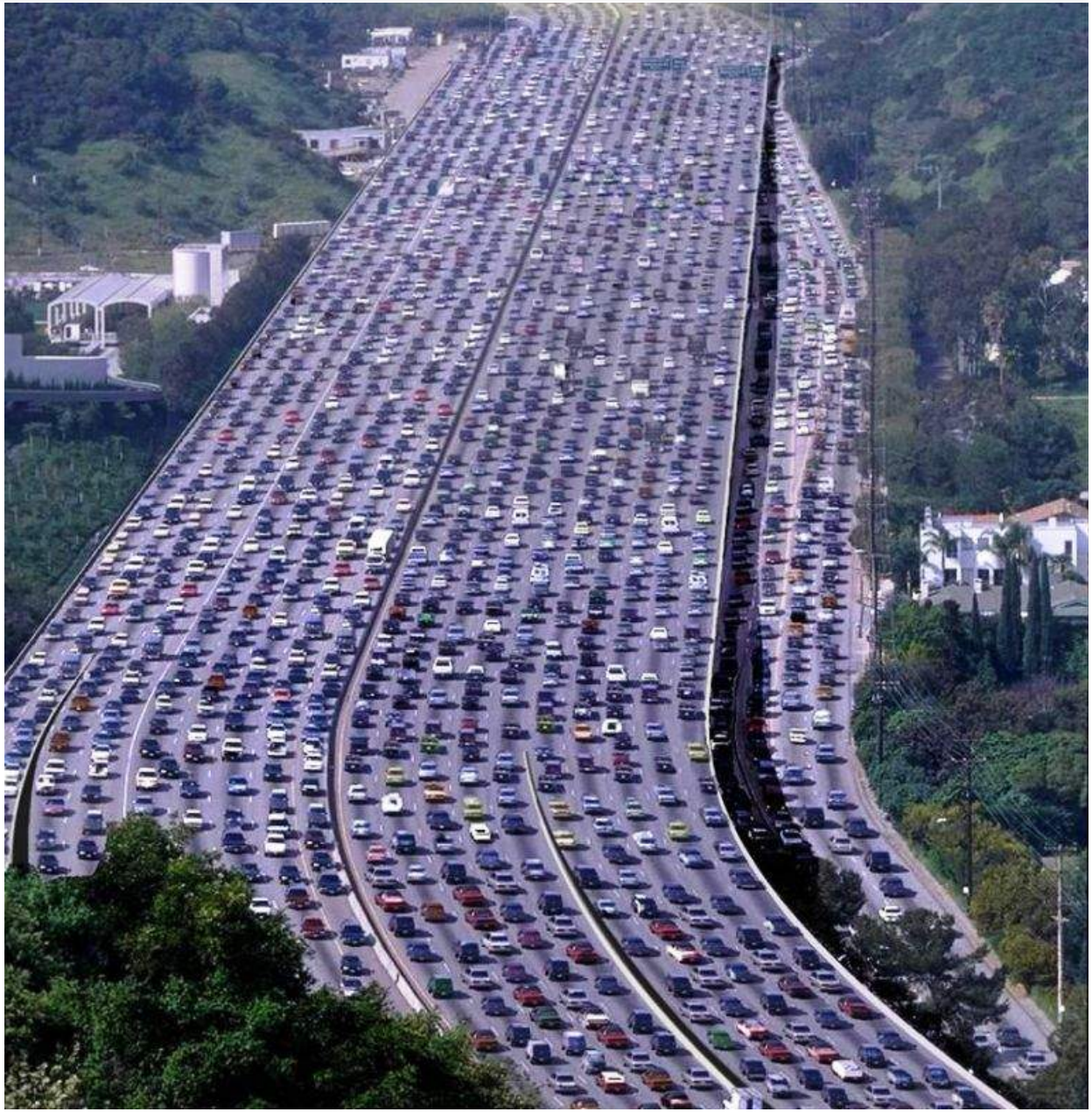
Examples Courtesy of Agilent Technologies

Traffic

If your supercar commute to work looks like this – then you've paid for peak performance but will get average to poor performance.

LTE is no different – the more traffic you add to the network, the more interference you get, the less opportunity you will have to achieve top speeds.

However – there are things that can be done to manage this…



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Examples Courtesy of Agilent Technologies