

The limitations of traditional drive testing

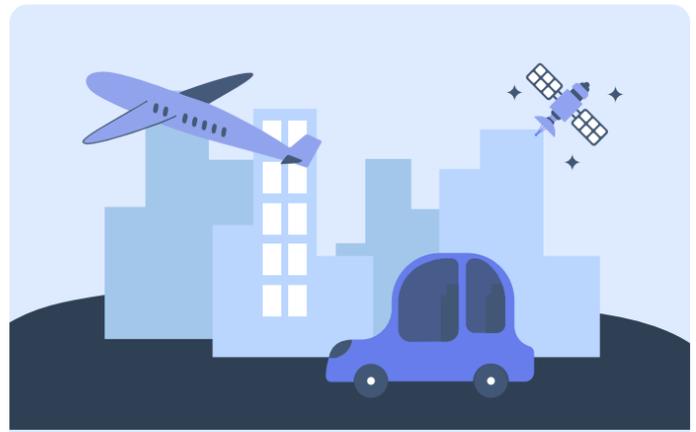
In the past, the industry has relied on drive testing to determine the coverage, capacity, and quality of service of a network.

However, there are significant limitations to this method of testing networks, some of which include costs, time, and measurement capabilities. Aurora Insight has developed a new way of network testing utilizing our patented sensor. Our testing saves you time and money by collecting more measurements whether you walk, drive, fly, or travel to space.



Traditional Drive Testing

- ✗ A scanner must be used that requires manual pre-programming of target center frequencies to ensure collection
- ✗ A phone bank of smartphones across multiple operators is also needed and constantly running to test the network. All phones need to include a SIM tied to an operator
- ✗ Measurements can only be collected by walking or driving in an area
- ✗ If there are errors in the measurement the drive test must be completely re-run
- ✗ Phone tests are limited to only a few frequencies that can be accessed, missing valuable insights into other frequencies
- ✗ Very few phones are able to test 5G standard mmWave frequencies
- ✗ Dense measurement is limited to urban and suburban environments due to the lack of roads in rural areas



Aurora Insight Network Testing

- ✗ A combination of compact air, land, and space-based mobile sensors guarantee greater coverage
- ✗ Our sensor natively sweeps all frequencies from 470-6000 MHz and 24-40 GHz, no meticulous programming needed
- ✗ Not only can we measure network power and quality but we also provide coverage estimates, transmitter geolocations, and spectrum utilization
- ✗ Our sensor can detect all frequencies simultaneously, saving valuable testing time
- ✗ Due to the amount of measurements we capture, we're able to revisit data collected and produce new insights later on
- ✗ Our measurement is not limited by any standard (2G, 3G, LTE, 5G, Wi-Fi, Digital TV standards, IoT standards)
- ✗ Our general aviation survey method allows us to accurately and efficiently survey large rural areas

Ready for quicker, comprehensive, and cost-effective network testing? [Schedule a demo](#) to see our measurement in action.