



# SUCCESS STORY

## Vehicle2Vehicle Connectivity

*Spectrum Control's switching, signal routing and simulation tools support safe roll-out of smart autos*

Computing and connectivity are spurring a revolution in automotive design. With connected roads and vehicles, plus passengers, the auto industry is positioning for significant growth in auto sales. To enable this growth, the industry must test these systems, ensure seamless integration, and simulate real-world conditions before cars reach the streets. Spectrum Control's programmable attenuators, multi-channel switching systems and simulation tools are an enabling technology. Spectrum Control's test solutions are currently widely used by airlines, major smartphone makers, network services providers, and others.

### Intelligent Transportation Systems Realized

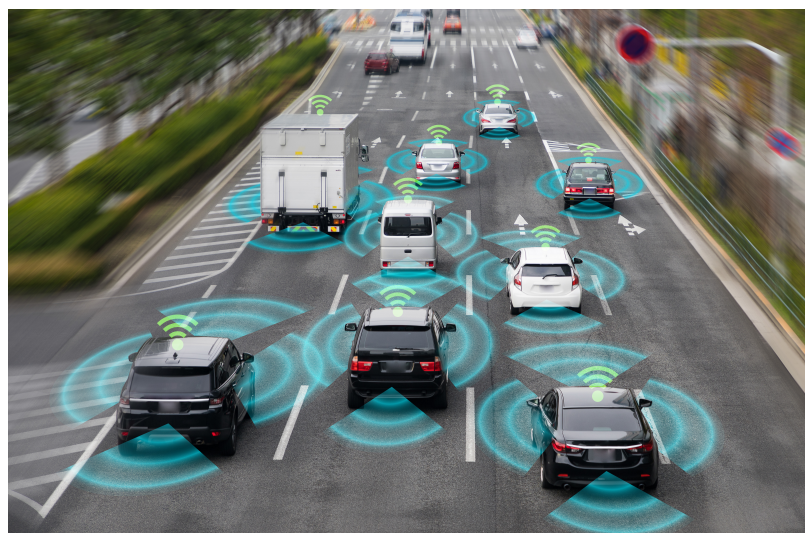
Vehicle-to-Vehicle (V2V) and Vehicle-2-Everything systems can radically improve safety and fuel efficiency, while providing a more enjoyable and productive driving experience. These new connected cars also enable the addition of high-margin services, subscriptions, and improved data analytics -- new and recurring profits for the auto industry. The industry must test these services before roll-out. Spectrum Control's programmable solutions are designed to deliver automated testing across all conditions.

**Connectivity will fuel the next big growth phase in the auto industry.**

Spectrum Control's multi-channel Programmable Attenuator Units, Switch Matrices, and custom Signal Routing & Conditioning solutions are used by leading technology firms to test wireless links, access points, mobile radios and other connected devices. The same testing tools that benefit makers of smart autos.



*Standard and custom solutions to support Signal Routing & Conditioning, Handover and Attenuation Mesh Networks, Phase Shifting and switching applications.*



How will smart cars and your new connected services respond across spectrum, in different and changing conditions, handle poor reception, latency, and other variables? Our tools are designed to help you optimize roll-out and ensure reliability. Spectrum Control has decades of RF, Microwave and mmWave product experience, combined with a legacy of superior quality, reliability, and technical performance.

### Testing, Simulation, Roll-out and Support

Spectrum Control's high-performance testing tools empower your successful roll-out across the spectrum. These include:

- Emerging IoT and 5G Wireless R & D
- mmWave OTA Testing
- Wireless Fading Simulation & Test
- Phased Array Antenna Simulation & Test
- MIMO and MU-MIMO Simulation & Test
- Wi-Fi Testing
- Handover Simulation & Mobility Testing
- Transceiver/Radio to Radio Test Systems
- Engineering & Production Test Labs and ATM