On-board Equipment for Vehicle–Infrastructure Cooperative Systems

Compact on-board equipment for field operational tests compliant with globally used wireless communication specifications
车路协调系统用车载终端

目的：利用无线通信疏通交通、减少交通事故

以前总是要等红灯，现在不用再等，感觉真好！

本来可以通过，却必须要停下来，太不合理了。应该根据实时通信掌握的交叉口道路状况进行判断，让可以通过的车辆通过，这样才合理。

右转信号灯的时间总是太短，每次转弯时都很紧张，现在信号灯可以等我通过后再变，这样就可以放心转弯了。

等红灯总是让人烦躁，现在按照车辆反馈的车速行驶，就可以不用停车等待，真是太好了！
车载协调系统用车载终端

目的：利用无线通信疏通交通、减少交通事故

交叉口盲点警告

前方碰撞警告

盲点/换道警告

绿灯转换时点

交叉口遇障

禁止超车警告

电子刹车灯

失控警告
Purpose: Smoother traffic flow and fewer traffic accidents by using wireless communication networks

No need to wait for traffic signals to change makes driving stress-free.

Traffic signals turn green as a vehicle approaches.

Let only vehicles in through lanes have a longer green light when the crossing traffic is congested.

Having to stop at red lights even though it is safe to go through an intersection with signals wastes time. Wireless communication networks judge the state of traffic flow around the intersection and allow vehicles to pass through if it is safe. This is rational.

I feel nervous when turning right at right-turn signals because they don’t last long. Signals that remain on until I pass through the intersection make me feel safer.

Right-turn signals stay on longer.

Vehicles can cross intersections without having to stop.

You can go through intersections with signals without having to stop repeatedly, simply by driving at the speed indicated by your vehicle. No frustration, no waste of fuel!
On-board Equipment for Vehicle-Infrastructure Cooperative Systems

Purpose: Smoother traffic flow and fewer traffic accidents by using wireless communication networks

- **Blind Intersection Warning**
  - Blocked Field of View

- **Forward Collision Warning**
  - Stopped Vehicles in Roadway

- **Blind Spot/Lane Change Warning**
  - Blocked Field of View

- **ECO Signal Timing**
  - Request Green

- **Intersection Collision Avoidance**
  - Red Light Violation

- **Do Not Pass Warning**
  - Oncoming Vehicle

- **Electronic Brake Lights**
  - Hard Brake

- **Control Loss Warning**
  - Slick Roadway Skid