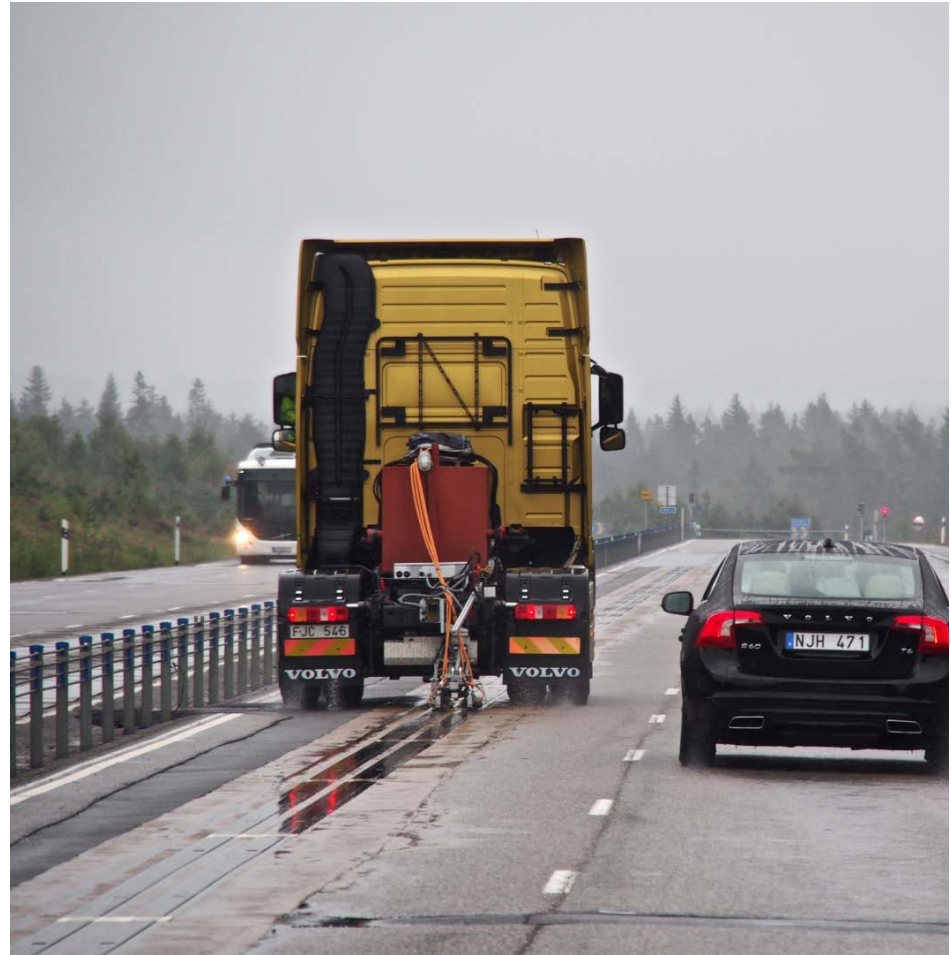




# **EMC and Safety Studies on Electric Road Systems**

# Project Goals

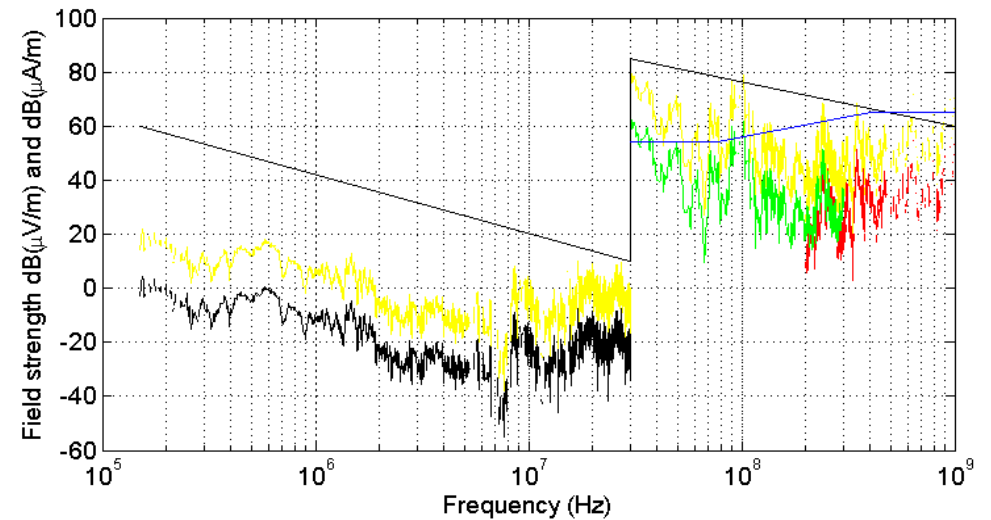
- Evaluate potential radio interference from Conductive Electrical Road Systems (ERS)
- Evaluate the risk of potential short circuits in Tires



Source: Slide-in Electric Road System Conductive project report

# Project Scope

- Evaluate EMC standards and their applicability
- Build test setups and perform EMC measurements
- Test short circuits through tires



# Partners, Resources & Timeframe

- **Partners**

- Swedish Electric & Hybrid Vehicle Centre (SHC)
- AB Volvo

- **Resources**

- Small scale test track
- Test object at Granaths Bilskrot i Flyinge
- Capacitor discharge setup
- Measurement antennas and spectrum analyzer

- **Timeframe:**

- Start: July 2013
- Finish: June 2015

# Contact Information ...

- **Project leader:**

- Richard Sebestyen
- [Richard.sebestyen@volvo.com](mailto:Richard.sebestyen@volvo.com)
- +46 31 3227005

- **Other Staff**

- Lars Lindgren
- [Lars.Lindgren@iea.lth.se](mailto:Lars.Lindgren@iea.lth.se)
- +46 733 76 15 58
  
- Mats Alaküla
- [mats.alakula@iea.lth.se](mailto:mats.alakula@iea.lth.se)
- +46 46 222 92 84

- **Secretary**

- Carina Lindström
- [Carina.lindstrom@iea.lth.se](mailto:Carina.lindstrom@iea.lth.se)
- +46 46 222 92 90