Wireless Charging: Related Standards & Needs

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Summary of WiTricity

• Founded in 2007 to commercialize MIT highly resonant wireless power transfer technology
• 60+ employees in two locations
• Foundational IP (300+ patents), core expertise, reference designs, and simulation tools
• Clients in consumer electronics, automotive, medical, military, and other industries
• Licensed automotive partners include Toyota, IHI, TDK, Delphi and others (not yet announced)
• Anticipated 1st product entry based on licensed technology in 2016 - 2017
Standards-ready reference design

Amplifier / PFC:
- 6.6 kW
- Freq. Tuning

Device Resonator:
- 3.3kW & 6.6kW
- B Type (Circular)
- Multiple Z heights (Z1, Z2, Z3)
- Integrated Hardware (Z2, Z3)

Source Resonator:
- 3.3kW & 6.6kW
- B Type
- Updated FOD
- Multiple Z heights

Rectifier partially integrated into device
Thoughts on Standards

- WiTricity fully supports OEM-led movement toward worldwide standard
  - interoperability is imperative
  - must avoid mistakes of the past
  - data supports recent decisions
- Managing risk is key
Managing Risk

• Technical
• Temporal
• Regulatory
• Programmatic
• Safety
• Societal
• Intellectual Property
Thank you.