



Wireless Power Transfer Applications

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KDB Guidance

- KDB Publication 680106 D01 only applies to low-power, non-portable consumer devices
- Power Levels – for example, 100 kHz range*:
 - Low Power (<15 Watt)
 - Medium Power (> 15 Watt)
 - High Power (> 1 kWatt)
- KDB Publication 648474 D03 covers wireless charging battery covers
- See April 2016 RF Exposure Slide 12 for Bluetooth Sleeve accessories



KDB Inquiries

- Test Labs and TCB's should submit a KDB inquiry for all devices not covered under KDB Publication 680106 D01
- Please follow the guidance found in KDB Publication 680106 D01 for submitting an inquiry
- WPT applications require a PAG or KDB inquiry, unless they are excluded by Section 5.2 of KDB Publication 680106 D01 or other published guidance



Part 15 vs Part 18

- Part 18 Devices
 - Certified or Declaration of Conformity (DoC)
 - Communication limited to load modulation and device authorization, no data
 - Generate and use RF energy locally
- Devices can be approved under Part 18 for charging and Part 15 for communications if they meet all the requirements



Looking Forward

- High Power Applications
- Low Frequency Devices
- Wearable Devices
- WPT Standards Document
 - ANSI C63.30
- Power Transfer at a Distance



Questions?

Thank You!