



Wireless Power Transfer Update

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Update to KDB Publication 680106 D01

- Updated requirements in Section 5 of KDB Publication 680106 for when a KDB or Pre-Approval Guidance (PAG) Inquiry is needed
- Removed outdated language and references (PBA, DoC, etc.)



KDB Inquiry/PAG guidance for WPT devices

- Inductive WPT applications with supporting field measurements that meet all of the following requirements are excluded from submitting a KDB or PAG inquiry
 - i. Power Transfer frequency is less than 1MHz
 - ii. Output power from each primary coil is ≤ 15 Watts
 - iii. The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.
 - iv. Client device is placed directly in contact with the WPT device.
 - v. Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
 - vi. Aggregate leakage fields at 15 cm surrounding the edges of the device and 20 cm from the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.



KDB Inquiry/PAG guidance for WPT devices (continued)

- In all other cases, unless excluded by the criteria above, an RF exposure evaluation must be reviewed and accepted through a KDB or PAG Inquiry
- Even if you are not required to submit a KDB or PAG, the responsible party is still required to perform an RF Exposure analysis and keep a copy of the test report in accordance with KDB 865664 D02
- More extensive rewrite of KDB Publication 680106 D01 will be coming in the future