
Justification for WPT RF Exposure Evaluation Consideration

FCC ID: 2AFKNX35W

Dear Examiner,

There's a WPT device as below we'd like to be authorized per KDB 680106 D01.

Company:	Spigen Korea Co., Ltd.
Model Number:	X35W

As addressed in KDB 680106 D01 RF Exposure Wireless Charging App v03section 5, Inductive wireless power transfer applications with supporting field strength results and meeting all of the 6 following requirements are not required to submit a KDB inquiry for a PAG for equipment approved using certification to address RF exposure compliance.

Here is a briefing about the device.

KDB 680106 D01 Section 5 Requirements:	Justification
1) Power transfer frequency is less than 1 MHz	Yes, 109.3-147.3kHz
2) Output power from each primary coil is less than 15 Watts	Yes, 10W Max.
3) 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.	Yes, includes only single primary and secondary coils.
4) Client device is placed directly in contact with the transmitter.	Yes
5) Application is limited to Mobile exposure conditions only.	No, for vehicle application
6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.	Yes The strengths at 0/2/4/6/8/10cm surrounding the device are demonstrated to be less than 50% of the MPE limit.

Sincerely,

Signed By: Jing Song On behalf of SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen Branch

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