

Cover Letter-Wireless Charger Approval

FCC ID: A3LEPN5100

Date: 06 Dec, 2017

Gentlemen:

There's a EP-N5100 that would like to have your authorization as an Inductive wireless power transfer applications approval.

The specific product as below, EP-N5100, with its designed features and specified description, consider special requirements for KDB 680106 D01 section 5.2 requirements.

Company:	Samsung Electronics Co., Ltd.
Product Name :	WIRELESS CHARGER
Model Number:	EP-N5100
FCC ID :	A3LEPN5100

KDB 680106 D01 Section 5.2 Requirements:	Product Technical Specification:	Result:
a) Power transfer frequency is less than 1 MHz	0.105 MHz ~ 0.148 MHz	Complied
b) Output power from each primary coil is less than 5 Watts	10 Watts in DC 5 V 15 Watts in DC 9 V	Not Complied
c) 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	The transfer system including a charging system with two primary coils are to detect and allow only between individual pairs of coils.	Complied
d) Client device is inserted in or placed directly in contact with the transmitter	Client device is placed directly in contact with the transmitter.	Complied
e) The maximum coupling surface area of the transmit (charging) device is between 60 cm ² and 400 cm ² .	EUT coupling surface area of device is 105.63 cm ²	Complied
f) Aggregate leakage fields at 10 cm surrounding the device from all simultaneous transmitting coils are demonstrated to be less than 30% of the MPE limit.	E-Field : 13.21 V/m(max. at 10 cm) < 184.20 V/m (30% of the limit) H-Field : 0.696 A/m(max. at 10 cm) > 0.489 A/m (30% of the limit)	Not Complied

Sincerely,

By:



(Signature)

Hyunchae You

(Print name)

Title:

Technical Manager

On behalf of: SGS Korea Co., Ltd. (Company Name)

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