

Cover Letter-Wireless Charger Approval

Date: 09/25/2023

Gentlemen:

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

The specific product as below, WPC, with its designed features and specified description, meets special requirements for 680106 D01 Wireless Power Transfer v04 section 5.2 requirements.

Company:	CUSTOM ACCESSORIES INC
Product Name:	CARBON XT 10W Qi Wireless Charging Phone Holder
Model Number:	24510
FCC ID:	2ADMQ-24510-1

KDB 680106 D01 Section 5.2 Requirements	Product Technical Specification	Result
1) The power transfer frequency is below 1 MHz.	127-129.4kHz	Yes
2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.	10W max.	Yes
3) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	Please refer to RF exposure report.	Yes
4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Mobile device	Yes
5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.	the exposure evaluation test of EUT was carried out at the distance of 20cm from all sides. Please refer to RF exposure report	Yes
6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.	The product has only one transmitter coil structure. Please refer to RF exposure report	Yes

Sincerely,

Print Name: Larry Liebau

Title: Manager

Signature:

A handwritten signature in black ink, appearing to read "Larry Liebau". The signature is written in a cursive style with a large initial "L".

On behalf of Company: CUSTOM ACCESSORIES INC

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