



Office of Engineering and Technology

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Reply to an OET Inquiry Response

Currently Displaying Inquiry Tracking Number: **330245**

Contact Information:

Customer First Name: Poal

Customer Last Name: Chen

Telephone Number: 15815794230

Extension:

E-mail Address: EMC03@anci.com

Address:

Line 1:

Line 2:

P.O. Box:

City:

State:

Zip Code:

Country:

Inquiry Details on 04/26/2022:

First category: RF Exposure *

Second category: Test Procedures (RF Exposure)

Third category:
Subject: PAG for KDB 680106 wireless charger

Inquiry: Dear Sir,

We have a power bank with wireless charging, model: HX200Q9. according to the requirements of KDB680106, we submitted RF exposure report and KDB 680106 technical specification statement letter in the attachment, and also submitted some technical information, this product has no physical fixation and magnetic suction function, The wireless charging power of this product is up to 15W. we have tested and evaluated according to portable devices, please help to review and approve it? thanks.

FCC Response on 04/28/2022:

To enable us provide adequate guidance, please provide the

1. The submitted wireless charging pad operational detail, the picture of the wireless device installed in a car. Please include info regarding the design of this device with respect to the specific protocol(s) and design requirements identified in the specific volume or versions of WPC documents; especially the communication mechanisms. and other specifics)

2. Please provide clarification on the transmitter this device is intended for; is it for a specific phone or multiple phones? Can it be used for other products?

3. Please clarify the operating configuration(s) where a person can take a call while the phone is on the charging pad for identifying RF exposure conditions.

4. Please provide detail description of the communication mechanisms or algorithm of the charger

When measure the testing of low power DUT (<15 W), if the measured H-field values are below 100% of the applicable limit in 47 CFR §1.1310, no additional testing is necessary. If the measured values are > 100% of the applicable limit additional measurements, SAR, or numerical modeling may be required.

Need to measured the RF Exp under the DUT max power 10W, with all the positions of space relevant for the body exposure, for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 10 cm (including testing distance 0cm, 2cm, 4cm, 6cm, 8cm, 10cm, 15cm, 20cm). And found that all testing results meet the limits.

If your device does not meet the approval requirement in a-f for item 2

" Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation "

"In all other cases, unless excluded by 2) above, an RF exposure evaluation report must be reviewed and accepted through a KDB or PAG inquiry to enable authorization of the equipment. When evaluation is required to show compliance; for example, using field strength, power density, SAR measurements or computational modeling etc., the specific authorization requirements will be determined based on the results of the RF exposure evaluation."

. Need to provide results at different charging conditions at 10%, 50% and 90

Information on how the coils are coupled and their proximity to each other (docking alignment and tolerances) can be helpful for estimating leakage fields that generally contribute to exposure potentials.

For the charger, Part 15 C applies if the signaling fields are inter-mixed with the charging fields.

We need the field strength results in the test setup described earlier, in a test report in your next response to this KDB inquiry to address RF exposure compliance. The proper operating descriptions should also be provided to support the test setup and device operation requirements. Please ensure that the different load conditions are specified in your field strength tests

---Reply from Customer on 05/05/2022---

Dear Sir?

RF Exposure Evaluation2.0, Block Diagram and Operation Description has been added, please help confirm whether it is OK, thank you.

FCC Response on 05/05/2022:

Proposed test procedure is acceptable, you proceed with testing

Attachment List:

[Block Diagram](#)
[External Photo](#)
[Internal Photo](#)
[KDB 680106 WPT declaration](#)
[Operation Description](#)
[RF Exposure Evaluation](#)
[RF Exposure Evaluation 2.0](#)
[SCH](#)
[User Manual](#)

[Enter any additional comments below:](#)

***(This is a text only field. Users will be able to upload attachments after clicking on the "Proceed" button below)**



