



Office of Engineering and Technology

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Reply to an OET Inquiry Response

Currently Displaying Inquiry Tracking Number: **290246**

Contact Information:

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Inquiry Details on 05/11/2022:

First category: RF Exposure *

Second category: Portable (2.1093)

Third category:

Subject: Seeking guidance for portable wireless chargers

Inquiry: Dear officer,

Nice day.

We have a wireless charger which is subjected to part 15. The device meets all the requirements in section 5(b) of KDB680106 D01 except that the device has portable exposure condition.

1. In the "Subject" line, fill the field as follows: Seeking guidance for portable wireless chargers;

2. Complete product description:

The device is a wireless charger operating at 110-205kHz.

3. Planned equipment authorization procedure:

The device will be subject to certification procedure.

4. Illustrations

Please refer to the technical description.

5. Radiated power:

The peak field strength at 3m is 88.12 dBuV/m

6. Operating configuration

Mobile is placed directly in contact with the charger

7. Conditions of human exposure

The aggregate leakage fields at 15 cm surrounding the device and 20cm above the top surface of the device are less than 50% of the MPE limit. Please refer to the RF exposure report

8. Internal and external photos

Please refer to Internal photos.pdf and external photos.pdf

9. Used condition

Wall charger or power bank. Both of them had been tested and only the worst case testing data were recorded in the report.

10. Rating of the device.

Wall Charger condition

Input: AC 100-240V, 50-60Hz, 0.5A Max

USB-C input: 5.0V_2.0A

Wireless Output: 5.0W Max,

Thanks for your help in advance.

Thank you for your inquiry. Your RF Exposure report is acceptable. Please note however that new guidance regarding RF Exposure testing for portable WPT devices was presented at the recent April 2022 TCB Workshop. Moving forward, this guidance should be used for the testing of future devices. The presentation is attached or it can be found online at <https://www.fcc.gov/general/equipment-authorization-presentations>

[Part 18 & Wireless Power Transfer](#)
[RF Exposure](#)
[RF Exposure](#)

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

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