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Reply to an OET Inquiry Response

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[Category List](#)

[FAQ Search](#)

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[Draft Laboratory Division Publications](#)

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[Equipment Authorization Presentations](#)

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Country:

Inquiry Details on 04/25/2022:

First category: RF Exposure *
Second category: MPE (RF Exposure)
Third category:

Subject: Mobile power wireless charging RF Exposure

Inquiry: Good day

I have a project is Portable Power Bank for Watch Charger, portable and mobile are applicable. Please see user manual attach. According to TCBC Workshop measurement guidance, tested and prepared test report has attached, Please help to check whether RF Exposure Evaluation Report can accept. Waiting for your information. Thanks for your attention! Best Regards!

---Reply from Customer on 05/06/2022---

Dear sir?

The Wireless power bank is portable and removable, and has no appeal with watch. watch can be charged just by sitting on it or by holding it in place with your hand. if the end user picks up only the phone while it is charging the watch can detached from the charger easy there is no magnetic when charging.

The charger a battery, It can charge without being plugged into anything.

- Please reply as soon as possible, thank you

FCC Response on 05/12/2022:

The development of a specific equipment authorization policy regarding the operation of a WPT charger transmitter operating simultaneously with transmitters on the device that is being charged, is presently under consideration. We are then providing an interim guidance, on a case-by-case basis, for pursuing equipment authorization when following the Part 18 certification process route.

Accordingly, RF exposure compliance of the WPT charging device (power bank, in this case) shall be assessed following to the provisions of KDB 680106 (see also April 2022 TCB Workshop – presentation 4.1, to be posted shortly), that entails testing the WPT device in actual operational conditions at maximum power. In this case, are representative "client" device, e.g., a handset, shall be chosen by verifying that the WPT transmitter is actually operating at maximum power.

In these conditions, when the evaluated RF Exposure figure of merit of the WPT device (i.e. SAR or MPE, applicable) is no larger than 25% of the corresponding limit (e.g., 0.4W/kg for 1-g SAR), then the WPT device can be certified for general use with any client.

If, instead, the mentioned 25% threshold is exceeded, then the certification shall be provided with a grant note stating that the Wireless Power Transfer transmitter has not be tested for FCC compliance for those conditions where the client transmitters are also in operation.

If the WPT manufacturer chooses to test one or more client device for simultaneous transmissions, with the client(s) also operating at maximum power, as per design conditions (e.g. LTE plus Wi-Fi "hotspot", etc..), then a list of models for which simultaneous transmissions compliance(per KDB 447498) was demonstrated may be added, as an exception to the previous grant note statement.

---Reply from Customer on 05/16/2022---

Please help to check whether RF Exposure Evaluation Report can accept.
Waiting for your information.
Thanks for your attention!
Best Regards!

FCC Response on 06/17/2022:

Dear Inquirer,

According to the guidance presented in the latest TCB Workshop of April 2022 (<https://transition.fcc.gov/oet/ea/presentations/files/apr22/41-Part-18-&-Wireless-Power-Transfer.pdf>) the data you presented appear to support the requirements for 2.1093-portable device certification.


Best regards,
OET Staff

Attachment List:

[Mobile power wireless charging-PAG-updated Report Use 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)



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