

Reply to an OET Inquiry Response**Currently Displaying Inquiry Tracking Number: 295929****Contact Information:**

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Inquiry Details on 02/23/2017:

First category: Equipment Authorization Process *
Second category: Certification [Equipment Authorization Process]

Third category:
Subject: Seeking guidance for wireless chargers
Inquiry: 1. Product Description:

FCC ID : A3LEPPG950

Wireless charging pad Three coil for Single device Travel Adaptor operated type
Operating Frequency: 110 kHz ~ 148 kHz

Power Input: DC 5 V / DV 9V Maximum Output power: 10 W / 15 W Qi Compatible
Coil size: 47.5 ± 1.0 mm x 39.5 ± 1.0 mm

Worst Radiated Power:
Each coil works one at a time

Coil 1
DC 5V 2.14 dBuV/m at 300m
DC 9V 7.35 dBuV/m at 300m

Coil 2
DC 5V -1.86 dBuV/m at 300m
DC 9V 2.35 dBuV/m at 300m

Coil 3
DC 5V 9.55 dBuV/m at 300m
DC 9V 9.95 dBuV/m at 300m

2. The rule part(s) the device will operate in and the reasoning for rule part(s); Part 15
The device use frequencies 110 kHz thru 148 kHz. There is no communication function

on this device. The load modulation must be integral to transfer system power management and control, and must be used only to the extent necessary to enable safe and efficient operation such as rapid shut-

down in response to over-voltage conditions, reporting of charging status and identification of invalid devices.

3. Planned equipment authorization procedure:
TCB Certification

4. Product coil Drawing / Illustration:
Attached

5. Operating Configuration

- The wireless charger consists of three coils and it supports three different modes such like vertical stand, horizontal stand and pad modes.

- Depending on the location of a receiver device on the charger, only one of the modes is activated and one coil in the three coils is used to transfer power to a receiver device.

6. Dimension

Stand mode: 103.43mm (L), 117.4 mm (W), 96.5 mm (H)

Pad mode: 117.4mm (?), 28.35mm (H)

7. Test mode

1). Test mode : Charging mode with client device_SM-G930F of Mobile Phone

1.1. Charging mode with client device (less than 1 % battery status)

1.2. Charging mode with client device (less than 50 % battery status)

1.3. Charging mode with client device (100 % battery status)

8. Test Result (Worst case result)

1) Radiated Power, AC power line emission and information for test
Attached (FCC Test Report_EP-PG950.pdf)

2) Conditions for human exposure and information for test
Attached (FCC MPE Test Report_EP-PG950.pdf)

---Reply from Customer on 02/23/2017---

Dear FCC,

We hereby submit a KDB inquiry as required by KDB 680106 for a wireless charging equipment.
Please let us know whether we can proceed via TCB certification procedure.
I always thank you very much for your supports. I'll be waiting for your confirmation.

FCC Response on 02/28/2017:

Please address the following items:

SAR:

- 1) Please provide test setup photographs showing the different test positions, with the probe 10 cm away. Please be sure to include a ruler/scale to show the distance the probe is from the device.
- 2) Please update the diagram in section 2.1 of the RF Exposure report to show position F in addition to the other test positions.

EMC:

- 1) Data for radiated band edge is missing. Please address.

---Reply from Customer on 03/03/2017---

Dear FCC

Thank you very much for the comment.

SAR:

- 1) Please provide test setup photographs showing the different test positions, with the probe 10 cm away. Please be sure to include a ruler/scale to show the distance the probe is from the device.
-> Revised test setup photos are uploaded.

- 2) Please update the diagram in section 2.1 of the RF Exposure report to show position F in addition to the other test positions.

-> Revised test report is uploaded. Direction F is added.

EMC:

- 1) Data for radiated band edge is missing. Please address.
-> Band edge measurement are added on the report and revised report is uploaded.

Thank you very much and please let us know if we can proceed with TCB. thank you!

---Reply from Customer on 03/07/2017---

Thank you very much for your supports. Everybody is calling me for an update. Could you let us know if we can proceed with TCB process? I'll be waiting for your feedback. thank you!

FCC Response on 03/10/2017:

The updated test reports and test photos are acceptable. You may proceed with the filing.