

Yang, Viola-xx (Shenzhen)

From: oetech@fcc.gov
Sent: 2018年7月14日星期六 1:30
To: Geng, Peter (Shenzhen)
Subject: Response to Inquiry to FCC (Tracking Number 368388)

Inquiry on 06/20/2018 :

Inquiry:

Dear Sir/Madam,

This is peter geng from SGS shenzhen. I got a wireless charger to apply certification per FCC part 18.

The specification of the wireless charger is below:

operation frequency: 106.4-173.8 kHz

the number of turns: 10

the max output power: 5W

The wireless charger contains a built-in rechargeable battery. It can be used as an portable device. So it is not covered in KDB 680106 app v03. And I made the tests with a distance from 4cm to 15cm between the edge of the wireless charger and the center of the test probe. Test report and Setup have been submitted. Could you help to check if it is acceptable or any other to improve? Thank you very much and looking forward to you.

FCC response on 06/27/2018

The described photographs of the wireless charger system with transmitter unit and receiver unit were not attached. Please upload to the KDB.

In order to provide guidance on the wireless charger, we need some additional information.

- 1) Please provide a detailed description of the charging system including coil dimensions, number of turns, amperes into the coil, and primary and secondary coil alignment and separation requirements.
- 2) Do you have electric and magnetic field strength estimates or measurement results at 20 cm from the edges surrounding the charger while it is actively charging the phone?
- 3) How was EIRP determined?

Please note that 15 cm is not an appropriate separation distance for many desktop use items. A lesser distance may be required based upon the device photos.

What were the absolute values of the E-field measurement results.

Do you have any H-field measurement results?

Small units such as this are often placed next to the user on the desktop and we generally find that a separation distance of 20 cm cannot be maintained. For devices of this size we have been asking for MPE/SAR evaluation at a distance of 10 cm.

---Reply from Customer on 06/28/2018---

Dear Sir/Madam,

1) max coil diameter: 43mm

number of turns: 10

input: DC 5V/2A

output: DC 5V/1A

2) I indeed conducted the test with a distance of 20cm between the device and the test probe. I found the test result (E-field and H-field) are too low to the limit. So I donot record it in the report.

3) I noted that the device can be used as a portable device and we usually use it by touching it. So I made the tests with a different distance of 15cm to 4cm between the center of the test probe to the edge of the wireless charger. 4cm means that the charger almost touch to the test probe.

4) The submitted report is the test result of E-field and H-field. please help to check it again.

5) External and internal photos of the wireless charger have been submitted.

Based on the response of above, please help to review it again and advise if it is ok? thank you very much.

---Reply from Customer on 07/02/2018---

Dear Sir/Madam,

May I have your comment?

---Reply from Customer on 07/10/2018---

Dear Sir/Madam,

Sorry to bother you. It is so urgent.

The user manual of the wireless charger has submitted for reference. May I have your comment? thank you very much.

---Reply from Customer on 07/13/2018---

Dear Sir/Madam,

Sorry to bother you again. It is urgent. May I have your comment?

FCC response on 07/13/2018

Test proposal acceptable. please follow the additional given guidance

Attachment Details:

[RF exposure report](#)

[RF exposure test setup](#)

[External and internal photos of the wireless charger](#)

[user manual](#)

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