Federal Communications Commission

Office of Engineering and Technology

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Currently Displaying Inquiry Tracking Number: 519562

Contact Information:

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State:
Zip Code: 518057
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Inquiry Details on 01/05/2018:

First category: Equipment Authorization Process *
Second category: Certification [Equipment Authorization Process]
Third category:
Subject: Wireless charger Authorization procedure
Inquiry: Dear Officer:

We have a wireless charger which used in office, home and other indoors environments for mobile phone or

other compatible device, the main features as below, whether other information need for FCC ID granted by TCB or not.

i. Complete product description:

The Wireless charging plate provides a wireless charging for your device. It is complied with Qi - a global wireless charging standard. With a Qi-compatible device, we don't need to connect any cables during power charging.

ii. The rule part(s) the device will operate in and the reasoning for rule part(s):

FCC Part 18 and according the KDB 680106.

iii. Planned equipment authorization procedure:

Certification procedure.

iv. Drawings, illustrations:

This wireless charger contains one coil.

a. Outer diameter 50.0 +/- 0.5mm

b. Qi A11 standard coil

v. Frequencies:

100KHz to 205KHz Frequency range

Transfer initiation: 170KHz +/-5KHz Digital Ping to initiate

vi. Radiated power:

Output: 5W2A max or 9V1.47A max;

Field strength at 3m (167KHz): 70.2dBuV/m;

Maximum H-field strength at 10cm: 0.003A/m, Maximum E-field strength at 10cm: 0.81V/m

vii. Operating configurations:

Typical start-up and end sequence that occur when a power receiver is placed on a power

transmitter proceeds as follows:

a. TX unit sends ping signal and waits answer from RX. If RX replies with correct sequence power transfer is started. Otherwise no power is transmitted.

b. When RX device is fully charged RX sends "Charge complete" command and TX unit stops power transfer and returns ping phase.

c. When RX unit is removed the TX interprets no communication situation as "Communication error" and returns to the ping phase.

viii. Conditions for human exposure:

Mobile device indoor used.

Maximum H-field strength at 10 cm: 0.003A/m

Maximum E-field strength at 10 cm: 0.81 V/m

ix. Operating configurations for different charging devices:

Qi compatible device.

Look forward to your reply.

Best Regards!

FCC Response on 01/08/2018:

You need to read KDB publication 680106.

http://appsint.fcc.gov/oetcf/kdb/processing/InquiryDisplay.cfm?tracking_number=519562

The RF exposure data you presented is incomplete.

The FCC recommends that you contact a TCB and a Accredited Test Laboratory.

To find a Telecommunication Certification Body, TCB go to;

https://apps.fcc.gov/oetcf/tcb/reports/TCBSearch.cfm

To find an Accredited Test Laboratory;

https://apps.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm

---Reply from Customer on 01/09/2018---

Thanks for your information, I have upload the RF exposure report, please help to confirm, thanks.

FCC Response on 01/10/2018:

The item subject to PAG has been reviewed. The TCB may proceed with the grant of the application pending its review of all non-PAG items.

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)

Proceed Clear

Please use the Submit Inquiry link at www.fcc.gov/labhelp to send any comments or suggestions for this site

Federal Communications Commission
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