

Yang, Viola-xx (Shenzhen)

From: oetech@fcc.gov
Sent: 2018年7月6日星期五 3:25
To: Geng, Peter (Shenzhen)
Subject: Response to Inquiry to FCC (Tracking Number 400439)

Inquiry on 06/29/2018 :

Inquiry:

Dear Sir/Madam,

This is an EMC engineer from SGS SZ. I got a wireless charger which using a Qi technology to apply certification. It will be used in vehicle. please find its specification as below:

operation frequency: 102.6-178.9kHz

max output power: 5W

turns: 10

max diameter of the coil: 44mm

According to the user guide of this device, there's a possibility for end user to touch the device during normal operation. We have completed the RF exposure evaluation with a variational distance from 4cm to 15cm between the device and the test probe. Please refer to the RF exposure test report for details. A structure of the device has submitter for reference. please help to review and advise if it is acceptable? Thank you very much and looking forward to your reply.

FCC response on 07/02/2018

Where is the location of this device within the vehicle? Is it in the air vent, on the console, and how close to the body is it. Does the occupant have access to it such that he holds it, puts it in his pocket, etc.

---Reply from Customer on 07/03/2018---

Dear Sir/Madam,

Sorry. I made a mistake about the using in vehicle. please forget it.

The wireless charger can be used as a portable device since it contains a built-in rechargeable battery.

So I had completed the RF exposure evaluation with a variational distance from 4cm to 15cm between the device and the test probe. And 4cm is so close to the probe but without touching.

Could you help to review the RF exposure evaluation report again. Thank you very much and looking forward to your reply.

FCC response on 07/03/2018

A portable device must adhere to the following as described in publication 447498 and as describe below.

Mobile and portable device RF exposure and equipment authorization requirements are found in 47 CFR Sections 1.1307, 2.1091, and 2.1093.

Attachment [447498 D01 General RF Exposure Guidance v06](#) provides guidance pertaining to RF exposure requirements for mobile and portable device equipment authorizations.

Attachment [447498 D02 SAR Procedures for Dongle Xmtr v02r01](#) provides guidance for SAR testing of USB dongle transmitters.

Attachment [447498 D03 Supplement C Cross-Reference](#) provides a cross-reference between the discontinued OET Bulletin 65 Supplement C-0101 and the applicable KDB publications.

A spreadsheet for Mobile Multi-transmitter MPE Estimation [XLS] for estimating MPE limits for multiple antennas is available at: <http://www.fcc.gov/oet/ea/presentations/files/oct05/MPE-mobile.xls>

Attachment List:

[447498 D01 General RF Exposure Guidance v06](#)

[447498 D02 SAR Procedures for Dongle Xmtr v02r01](#)

[447498 D03 Supplement C Cross-Reference v01](#)

---Reply from Customer on 07/04/2018---

Dear Sir/Madam,

I am sorry but we cannot get a power value of mW. The wireless chager operated in frequency band: 102.6-178.9kHz. We usually make the test of E-field and H-field using a Field Meter. Could you help to provide me an optional guidance based on the existing test result and test equipment? Thank you very much and looking forward to your reply.

FCC response on 07/05/2018

The FCC recommends that you contact a test site and a Telecommunication Certification Body, TCB in order to perform the necessary tests required by the FCC. To select a test site and a TCB go to the following websites;

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

and

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

Attachment Details:

[RF exposure evaluation report](#)

[RF exposure setup](#)

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