

## Chan, Joe-L (Shenzhen)

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**From:** oetech@fcc.gov  
**Sent:** 2017年11月23日星期四 0:17  
**To:** Li, Jacky-sl (Shenzhen)  
**Subject:** Response to Inquiry to FCC (Tracking Number 885013)

**Inquiry on 09/25/2017 :**

**Inquiry:**

Dear

Sir/Madam

We have a wireless charge base need to apply for FCC ID via TCB.

Below is the information of the wireless charge base, can we apply for FCC ID for this product? For this product meets all the test standards and RF exposure standards, if this product can apply for FCC ID without PAG? Please help to confirm it.

Thanks.

1. The product is a Qi wireless charger, the including coil diameters is 1.3mm, and the number of turns is 10Ts, the output current is 1A max.

2. The product will operate in the rule PART 18 for Qi charger is load modulation and this product don't transfer of any other data, for example extended system data, images or music.

3. We planned to be approved under FCC ID.

4. The drawings and illustrations refer to the attachment please.

5. Frequency range: 116KHz-176.3KHz.

6. Max power is 16.2W.

7. The maximum coupling surface area of the transmit (charging) device is 20cm<sup>2</sup>.

8. Operating configuration:

1). Plug the adaptor to car cigarette lighter. Connect the adaptor output to the DC input jacket of the wireless charger plate, the charger will be in waiting mode. Then you can start to charge.

2). Put the Qi-compatible cell phone or other Qi-compatible mobile devices without cable on top of the central induction area where the Qi logo is marked.

3). When the battery of the mobile device is fully charged, the charger will stop charging. During the charging process, whenever the mobile device is removed from the charging plate, the charging process will be terminated automatically; the charger will be back in waiting mode.\

9. The human exposure report refer to the attachment please.

#### **FCC response on 10/06/2017**

Because the power of your wireless power transfer charger is greater than 5 Watts, a PAG is required.

Upon review of this filing, it appears that this EUT is not designed for typical desktop applications, as defined in KDB Publication 680106 D01. Accordingly, the 10cm RF exposure evaluation identified therein is not directly applicable. As this EUT is designed for usage in a vehicle, RF exposure analysis consistent with such usage is required. This testing should take place at 0cm, 1cm, 2cm, and so on out to 10 cm. These tests should be completed under maximum loading conditions. Once testing is completed, please compile the data into a table and apply for an FCC ID.

---Reply from Customer on 10/27/2017---

Dear Sir/Madam:

Please help to see attach RF Exposure report, if it is ok and satisfied with your requirement. Thank you and wish you have a good day.

---Reply from Customer on 10/27/2017---

Dear Sir/Madam:

Can you help to confirm if the RF exposure test report satisfied with your requirement. You required us to do the test at 0 to 10cm distance and we find the worst test result when we do the test at 0cm as test photo show. Waiting for your reply.

Thank you and wish you have a good day.

---Reply from Customer on 10/27/2017---

Dear Sir/Madam:

Can you help to confirm if the RF exposure test report satisfied with your requirement. You required us to do the test at 0 to 10cm distance and we find the worst test result when we do the test at 0cm as test photo show. Waiting for your reply.

Thank you and wish you have a good day.

---Reply from Customer on 11/01/2017---

Dear Sir/Madam:

Can you help to reply my question.

Thank you and wish you have a good day.

### **FCC response on 11/08/2017**

Please retest with the pointed end of the probe directed toward the EUT from testing distances of 10 cm, 9 cm, 8 cm, 7 cm, 6 cm, 5 cm, 4 cm, 3 cm, 2 cm, 1 cm, and 0 cm. When testing at 0 cm, the pointed end of the probe should be touching the EUT.

---Reply from Customer on 11/09/2017---

Dear Sir/Madam:

I have update the RF exposure test report. Please help to have a look if it is ok.

Thanks and wish you have a good day.

### **FCC response on 11/22/2017**

The test report is acceptable. You may proceed to file the PAG and for the FCC ID.

**Attachment Details:**

[RF Exposure](#)

[External photo](#)

[Internal photos](#)

[User manual](#)

[User manual](#)

[User manual](#)

[RF Exposure](#)

[RF Exposure](#)

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