

**Office of Engineering and Technology**[OET Home Page](#)[FCC](#) > [FCC E-filing](#) > [Inquiry System Home Page](#) > View Inquiry[FCC Site Map](#)**Site Options**[Basic KDB Search](#)[Advanced KDB Search](#)[Submit an Inquiry](#)[Reply to an Inquiry Response](#)[Category List](#)[FAQ Search](#)[Major Guidance Publications](#)[Draft Laboratory Division Publications](#)[Draft Laboratory Division Publications \(Expired\)](#)[Draft Publication Moderation Policy](#)**Related Sites**[Equipment Authorization Presentations](#)[Equipment Authorization System \(EAS\)](#)[Telecommunications Certification Bodies \(TCB\)](#)**Reply to an OET Inquiry Response****Currently Displaying Inquiry Tracking Number: 762790****Contact Information:**

Customer First Name: yimi

Customer Last Name: zhao

Telephone Number: 8613715388250

Extension:

E-mail Address: cert-dep@agc-cert.com

Address:

Line 1: xixiang shanwei

Line 2: xixiang shanwei

P.O. Box:

City: Shenzhen

State:

Zip Code: 518000

Country: China

Inquiry Details on 07/12/2013:

First category: RF Exposure *

Second category: SAR (RF Exposure)

Third category:

Subject: SAR test procedure

Inquiry: Dear Sir,

Could you please help us to confirm the SAR test procedure for this kind of device kindly, It's a helmet mounted which operated in 2402~2480MHz. The Max RF output power is 16.32dBm.

Please refer the attachment for more details.

Looking forward for your support.

Thank you.

Best Regards!

FCC Response on 07/16/2013:

Please answer the following questions:

- i. Can the device be installed on more than one brand/model of helmet or is there an exclusive helmet this device is to be used with? If it can be installed on different brands/models how many?
- ii. If it is to be used with an exclusive helmet, how do you ensure that the device cannot be installed on any other brand/model of helmet?
- iii. What is the closest separation distance between the device and the user during operation? This may vary if this device can be used on more than one brand/model of helmet.
- iv. In the photos of the device there appears to be a mounting bracket used to attach the device to the helmet. Does this mounting bracket contain any metal?
- v. After the device has been mounted to the helmet is it removable or is it permanently attached?
- vi. After the device has been mounted to the helmet is it rotatable?
- vii. If possible, please provide the complete measured time averaged conducted powers.

---Reply from Customer on 07/22/2013---

Dear Sir,

Please refer below;

- i. Can the device be installed on more than one brand/model of helmet or is there an exclusive helmet this device is to be used with? If it can be installed on different brands/models how many? An: This device can connect with any helmets which have bluetooth function, no exclusive helmet required.
- ii. If it is to be used with an exclusive helmet, how do you ensure that the device cannot be installed on any other brand/model of helmet? An: No exclusive helmet

required.

- iii. What is the closest separation distance between the device and the user during operation? This may vary if this device can be used on more than one brand/model of helmet. An: The most closed separation between the device and the user should be 10mm.
- iv. In the photos of the device there appears to be a mounting bracket used to attach the device to the helmet. Does this mounting bracket contain any metal? An: The mounting bracket is made of plastic, no metal included.
- v. After the device has been mounted to the helmet is it removable or is it permanently attached?
- vi. After the device has been mounted to the helmet is it rotatable? An: After the device has been mounted to the helmet, It's non-rotatable, and can be removed from the helmet anytime.
- vii. If possible, please provide the complete measured time averaged conducted powers. An: conducted power please refer the attachment.

FCC Response on 07/22/2013:

Please provide SAR test data for the side that will face the user's head during operation. Apply the following guidance:

- i. Use the flat phantom for testing.
- ii. Use a test separation distance of 10 mm away from the phantom (This separation distance was chosen based on the information you provided regarding the minimum separation distance between the device and the user during operation).
- iii. Use Head Tissue Simulating Liquid for the test.
- iv. Do not use the mounting bracket during the tests (Since the mounting bracket does not contain any metal it should not significantly affect the SAR results).

After conducting the SAR tests prepare a SAR report and respond to this inquiry with the report as an attachment. After reviewing the report, final approval to submit the report to a TCB for grant will then be given. Do not submit the SAR report to TCB for grant until the FCC has reviewed the SAR results.

Additionally, in the SAR report please add the following statements, "A non-standard setup was used for SAR testing based on guidance from the FCC. The operational description contains additional information." Then add a statement in the operational description referencing this KDB Inquiry number (This is because the KDB Inquiry number is confidential but the SAR Report will be on public record).

If you have any questions regarding this guidance please do not hesitate to ask.

---Reply from Customer on 07/31/2013---

Dear Sir,

Thanks for your guidance, Please check the SAR report attached and help us to confirm is it acceptable now?

Looking forward for your reply.

Thanks again.

FCC Response on 08/09/2013:

Upon review of the "SAR report" provided, the results are acceptable. Test lab may now submit application to TCB for final review towards grant. Please make sure to include this KDB inquiry number in the operational description as instructed in the FCC response on 07/22/2013.

[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
445 12th Street, SW
Washington, DC 20554
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Phone: 888-CALL-FCC (225-5322)
TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: fccinfo@fcc.gov

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