

Inquiry Details:

First Inquiry Category: Radio Frequency Exposure - MPE; SAR

Second Inquiry Category: Testing

Third Inquiry Category:

Hi sir:

I have one case for 802.11bgn wifi dongle, and has one external for antenna, but the interface is not usb, therefore can't refer test from KDB447498, because the interface is mini usb, please help me and let me know how to test this product .

I'll attach the picture of this product, thank you very much.

---Reply from Customer on 09/08/2011---

Hi sir:

excuse me!

Have any responses?

Response(s):

--OET response sent on Sep 8 2011 1:53PM--

For SAR testing, the device should still follow the USB dongle procedures in KDB 447498 DO2 and use a 5mm test separation distance. Treat the device as though there was a full sized USB connector attached to it (as a standard USB dongle has). It is understood that a cable must be used instead of a direct laptop connection. Because the device uses an external dipole antenna, the normal testing of 4 sides and tip does not apply.

Test the *Horizontal Up* and *Horizontal Down* positions of the dongle with the antenna in straight mode. The testing of the tip is not necessary. If the two measured SAR levels are similar, then additionally test the *Horizontal Up* position with the antenna bent at 90 degrees, perpendicular to the phantom (antenna pointing down and away from the phantom) and SAR testing conditions for this dongle will be satisfied (3 test positions total).

If the SAR levels for the *Horizontal Up* and *Horizontal Down* positions of the dongle in antenna straight mode are not similar, then the antenna is not symmetrical and the *Vertical Front* and *Vertical Back* positions in antenna straight mode also need to be tested (5 test positions total).