

FCC ID: TARCUMU-300

Reference: JOB 402KC8

Based upon our review of this application we have the following questions:

1. Internal photos: Please indicate the location of the antennas for the two modules. If necessary, please provide additional photos showing all the antennas.

→ I've uploaded the revised internal photo on your website. The antenna is composed for Main antenna and diversity antenna. And all frequency band (Cellular, PCS, Wimax) use this common antenna

2. Part 15 Digital device: This USB dongle is also considered a class B personal computer peripheral subject to DoC or Certification. Please provide an attestation letter from the applicant stating that the "Declaration of Conformity procedure will be applied" (this is a new FCC policy as of Feb 2008)

→ I've uploaded the 731 form for the JBP portion of this composite filing.

3. Test reports for part 22/24 and part 27: Please remove the part 15 test data if the digital device portion of the dongle is subject to the Declaration of Conformity procedure. Otherwise, please upload a form 731 Form for the JBP portion of this composite filing.

→ I've uploaded the revised part 22/24 and 27 reports removed the part 15 test data.

4. Manual – page 15/17pdf: Please revise the information provided on this page: The FCC ID listed is wrong, and the info is for a phone. Please resubmit.

→ I've uploaded the revised manual according to your comments.

5. Manual – section 3.2 2): should be removed. It is not the responsibility of the user to maintain the required minimum separation distance to satisfy compliance with the FCC RF exposure requirements.

→ I've uploaded the revised manual according to your comments.

6. SAR report – section 2.5 test position: Please explain why testing was not done in the position that provides 180degree angle between USB connector and USB dongle (i.e. when the card is horizontal and parallel to the flat phantom)?

→ I've already asked you about this case and received your reply at January 25, 2008.

I've attached that e-mail.

The manufacturer recommends the 90 degree angle between USB connector and USB dongle on section 3.2.2) in the user manual.

7. SAR: Please explain compliance of this USB dongle in computers with USB slot configuration that is vertical.

→ I've uploaded the revised manual. The manufacturer provides a statement ("SAR compliance has been established in the laptops computers with horizontal slot configurations only.") in the user manual page 11/15.

8. Manual – section 3.1 and page 16/17pdf: These statements do not agree with either the configurations tested for this device or the minimum separation distance between the USB dongle and body for compliance with the FCC RF Exposure requirements. Please provide a statement that described authorized configurations only...” SAR compliance has been established in the laptops computers with vertical (/or horizontal slot configurations), and can be used in host product(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics.”

→ I've uplaude the revised manual according to your commant.

9. SAR reports for CDMA/WIMAX: Please describe the test configurations/modes that were tested for compliance with the FCC's 3G procedures KDB#941225 "D01 SAR test for 3G devices v02". Please revise test report.

<https://fjallfoss.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?id=26930&switch=P>

→ I've uplaude the revised CDMA SAR reports.

10. Duty cycle for WIMAX: 1:3.17 (WIBRO). Please explain/or justify the crest factor of 3.17.

→ We couldn't find the Wimax crest factor anywhere include dasy website and speag website. So, we measure the duty cycle of EUT with spectrum analyzer.

Please, refer to the below data.

Pulse cycle : Pulse width = 1.567 ms: 4.976 ms = 1 : 3.17

