

16-May-03

Responses to ATCB Questions dated April 29, 2003.

1. See updated photo.
2. A and B – the product is a single band, dual-mode product (TDMA/AMPS) that operates only in the 800 MHz frequency range. C – The User Guide is used for both the single- and dual-band versions of this product, and will therefore have information about both.
3. See attached photo excerpt.
4. A full parts list is included per request by the FCC for more than 1 year. This is superceding the limited list that was only showing the active devices.
5. See attached document.
6. See attached document.
7. See attached updated test reports.
8. This information should be in the updated test reports.
9. A calibrated thermometer was used to monitor the temperature, but this information was not placed into the original report. This has been corrected in the updated report.
10. Thank you - your comment is noted.
11. The SAR report mentions a 950mAh BLC-2 and a 1000mAh BLC-2; there are no markings on the batteries to indicate whether they are 950mAh or 1000mAh so the user guide need only state it once.
12. We were testing a worst-case scenario.
13. With head liquid our 835 MHz dipole tends to give validation results close to the upper limit (+10%) of the validation window with results often outside this window. We have discussed this issue with SPEAG and we have ordered another 835 MHz dipole. We are expecting to receive it in June. The same 835 MHz dipole gives expected validation results with body liquid. Our 900 MHz dipole gives expected validation results with head liquid. According to our understanding, validations at 835 MHz with body liquid or at 900 MHz with head liquid are sufficient for 835 MHz head SAR measurements.
14. When conductivity is higher than recommended, the SAR results are overestimated.
15. See attached document.
16. SAR plots have been given for AMPS mode only. As TDMA and AMPS use the same frequencies, SAR distributions are identical. The phone has only one band, only two liquids were used (body and head), so two Z-axis plots would have been sufficient e.g. for BOM 2, head AMPS with result 1.23 and body AMPS with result 1.12. Your comment regarding powerdrift on Z-axis plots is noted.
17. Awaiting information.
18. Awaiting information.
19. Ambient temperature is given in section 4.1.
20. The distance was 1.4 mm.
21. The liquid depth was 15 +/-0.5 cm during the measurements. The Z-axis plots show that there were no harmful reflections from upper surface of the liquid in the depths where the SAR scans take place.