GMLRH-41 August 19, 2003

Response to ATCB questions dated August 12, 2003.

1) The User Guide technical information does not include the currents, only the voltages. Vdc is 3.6 nominal, and from calculation, nominal current would be around 200 mA. In the future, we will include a calculated value for the current in the EMC report.

2) Carson's Rule:
   Voice + SAT = 38.3 kHz necessary BW
   SAT + ST = 39.54 kHz necessary BW
   Wideband + SAT = 39.26 kHz necessary BW
   TDMA necessary bandwidth can be measured from the block edge requirements, starting on page 21 of 69 in the EMC report.
3) The EMC and the Form 731 values are radiated values. The SAR report lists conducted values. Conducted Pout was not performed in the EMC lab, only the SAR lab, therefore there are no conducted Pout values listed in the EMC report.

4) Thank you. We will take this into consideration.

5) Actual measurements have been carried out in 24 hours from system validation. Date shown on plot indicates the date when SAR file was moved from Dasy4 system to server. Correct validation dates can be seen from the plots in the SAR report from file name (ddmmyy). The plots in the SAR raport do not show dates of actual SAR measurements, only the date when the file was moved from Dasy4.

Correct system validation and actual SAR measurement dates can be seen on the table below.

Page in report	File name	Created
17	835headvali260303	26 March, 2003
18	835headvali270303	27 March, 2003
19	835headvali280303	28 March, 2003
20	835headvali310303	31 March, 2003
21	835headvali090403	09 April, 2003
22	1900headvali020403	02 April, 2003
23	1900headvali030403	03 April, 2003
24	835musclevali070403	07 April, 2003
25	835musclevali080403	08 April, 2003
26	1900musclevali040403	04 April, 2003
28	B11A	27 March, 2003
29	B12A	27 March, 2003
30	B5A	26 March, 2003
31	K2A	28 March, 2003
32	B24A	28 March, 2003
33	B25A	28 March, 2003
34	B18A	28 March, 2003
35	B19A	28 March, 2003
36	M5A	03 April, 2003
37	M6A	03 April, 2003
38	B29A	02 April, 2003
39	B30A	02 April, 2003
40	K15A	08 April, 2003
41	B47A	08 April, 2003
42	B42A	04 April, 2003
43	B13A	26 March, 2003

44	B55A	09 April, 2003
45	B26A	28 March, 2003
46	B56A	09 April, 2003
47	B39A	03 April, 2003
48	B40A	03 April, 2003
49	B54A	07 April, 2003
50	B49A	08 April, 2003
51	B44A	04 April, 2003

6) The value listed in the user guide only gives an estimation of what the maximum conducted rating for the product could be. By EIA/TIA spec, the maximum conducted output power for this power class device is 600 mW. This is shown as an estimation in the UG by the statement “Up to 600 mW”.

7) Carry cases, which will be designated for this product, will provide at least 15 mm spacing from the body and will not include metal components.