



American TCB

November 13, 2007

RE: FCC ID: E5MDS-MERCURY900

Attention: Douglas E. Noble

Please find our responses to your comments on this application below:

1. The confidentiality letter asks for block diagram, schematics, description and BOM to be kept confidential yet none of these exhibits were uploaded. Please explain.

Response: For this permissive change, please ignore/remove the request for confidentiality.

2. Please revise test setup photos to include both antennas.

Response: See uploaded test configuration photos.

3. RF Exposure exhibit only shows the 11.2 dBi antenna. Please revise to include both antennas.

Response: See revised MPE exhibit.

4. RF Exposure shows an uncontrolled population limit of  $.610 \text{ mW/cm}^2$ . The table shows that the calculation is  $.792$  which is  $191 \text{ mW/cm}^2$  over the limit. This is shown for all three frequencies. Please explain, as this would void the 20cm grant note.

Response: There is a problem with the original grant note. The MPE calculation of the original application shows a minimum separation distance of approximately 23 cm. This is documented in the User's Manual that was submitted as part of the original application. The new antennas that are part of this permissive change does not alter the minimum required separation. What would be the best way to resolve this situation?

Regards,

Mark Hill  
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Elliott Labs