MTBF calculation of Barionet 100

Software tool:

- **CARE** Version 8.900.2516 (BQR)

Basic conditions:

- **Calculated according to the MIL-HDBK-217F Notice 2**
  - Applied method **Part stress**
  - Used Environment condition **Ground Fixed (GF1)**
  - **Stress conditions are:**
    - Temperature stresses
      - Ambient Temperature equal **25°C**
      - Internal housing (board) temperature **40°C**
    - Electrical stresses
      - Average stress conditions (**50% strain**)

<table>
<thead>
<tr>
<th>Environment</th>
<th>MTBF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Fixed (GF1)</td>
<td>At least 850 000 hours</td>
</tr>
</tbody>
</table>