1 Startup

1.1 1.8Vout:
Input voltage = 5VDC
Load current = full load (1.0A)
1.2 2.5Vout:
Input voltage = 5VDC
Load current = full load (1.0A)
2 Efficiency

![Efficiency Graph]  

Vin=5V

3 Load regulation

3.1 1.8Vout:

![Load Regulation Graph]  

Vin=5V
3.2 2.5Vout:

![Load Regulation 2.5Vout](image_url)
4 Control Loop Frequency Response

4.1 1.8Vout:

```
<table>
<thead>
<tr>
<th>Output power</th>
<th><a href="mailto:1.8V@1.0A">1.8V@1.0A</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>5VDC</td>
</tr>
<tr>
<td>Phase margin</td>
<td>59°</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>28.4kHz</td>
</tr>
</tbody>
</table>
```
4.2 2.5Vout:

Output power = 2.5V@1.0A
Input voltage = 5VDC
Phase margin = 62°
Bandwidth = 32.0kHz
5 Switch Nodes

Input voltage  = 5VDC
Load current  = full load (1.8V@1.0A / 2.5V@1.0A)
6  Output ripple voltage

6.1  1.8Vout:
Input voltage = 5VDC
Load current = full load (1.0A)
6.2 2.5Vout:
Input voltage = 5VDC
Load current = full load (1.0A)
7  Load Transients

7.1 1.8Vout:

Input voltage = 5VDC
Load current = 0.5A to 1.0A
7.2 2.5Vout:
Input voltage = 5VDC
Load current = 0.5A to 1.0A
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