9. Average Outgoing Quality (AOQ) Data

1. Calculation Equation:

\[ \text{AOQ} = (\text{Process Average}) \times (\text{Probability of Acceptance}) \times (10^6) \text{ (PPM)} \]

- Process Average = Total Projected Reject Device / Total Number of Devices
- Projected Reject Device = \( \frac{\text{Defects in Samples}}{\text{Sample Size}} \times \text{Lot Size} \)
- Total Number of Devices = Sum of units in each submitted lot
- Probability of Acceptance = 1 - \( \frac{\text{Number of Lots Rejected}}{\text{Number of lots Tested}} \)
- \( 10^6 = \text{Conversion to parts per million (PPM)} \)
- \( 10^9 = \text{Conversion to parts per billion (PPB)} \)
2. Data

2.1 DRAM Products

DRAM Electrical Test AOQ Trend Chart
2.2 NVM Products

NVM Electrical Test AOQ Trend Chart

<table>
<thead>
<tr>
<th>Quarter</th>
<th>2019,3Q</th>
<th>2019,4Q</th>
<th>2020,1Q</th>
<th>2020,2Q</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPM</td>
<td>27</td>
<td>36</td>
<td>57</td>
<td>49</td>
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