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 = (Defects in Samples / Sample Size) \times \text{Lot Size}
- Total Number of Devices = Sum of units in each submitted lot
- Probability of Acceptance = 1 - Number of Lots Rejected / 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

0 0 0 0

2022,4Q 2023,1Q 2023,2Q 2023,3Q

0 10 20 30 40 50 60 70 80 90 100

PPM
2.2 NVM Products

NVM Electrical Test AOQ Trend Chart