

Example 2: Improving Quality by Catching Linear Degradation of Tests

Finding the Issue

An Optimal+ online parametric trend rule detects a linear degradation in test results of a specific test on a specific test site.

Performing the Analysis

When the alert is received, the user opens the Optimal+ solution portal to view a detailed trend plot of the offending test site. Due to the nature of the issue, it is assumed that the test results of the devices tested under the suspected site are unreliable resulting in a potential quality issue. The parts are retested on another tester and the loadboard is serviced.

Edit Rule
Deactivated Rule
U_ TEST_ 11102

Population Configuration

General

Name: U_ TEST_ 11102

Description: Parametric Test (Offline)P_55000 SO_D2_D2 - D2 sleep mode:VCC_IO_MEM: [Both]P_55000 VCC_IO_MEM : VCC_IO_MEM VCC_IO_MEM: [Both]P_55000 VCC_IO0 : VCC_IO0 VCC_IO0: [Both] Raise eng alarm;

Remarks:

Selections

Applicable bins: Good Bins

Trigger mode: Trigger at end of lot

Test	Is Wild...	Trend Direction	Threshold	By Site	Max Null %
P_55000 SO_D2_D2 - D2 sle...	<input checked="" type="checkbox"/>	Both	0.1	<input checked="" type="checkbox"/>	50
P_55000 JO_ SM : VC...	<input type="checkbox"/>	Both	0.1	<input type="checkbox"/>	50
P_55000 J00 : VCC_...	<input type="checkbox"/>	Both	0.1	<input type="checkbox"/>	50

Health

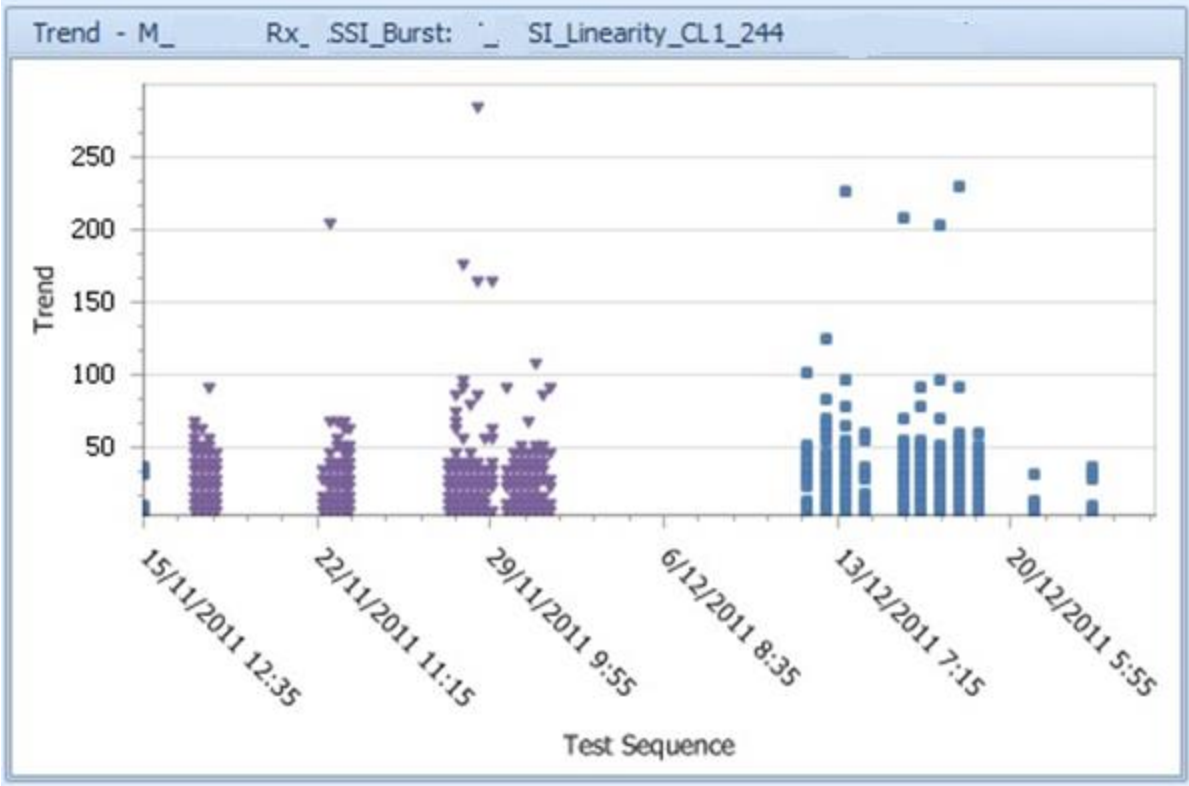
Perform the following actions in case not enough data is received:
None

Actions

Engineering alarm:
{Rule Name}, {Lot}, {Tester}, {Handler}, {Parameter}, {Site}, {Test Names}, {Moving Average (per Triggered TD)}, {Trend Direction}, {Rule Description}, {Execution Time}, {Product}, {Operati...}

Send email to(Online Administrators (Group),On...
 Lisplay this alarm in Control Room
 Rule will be visible in OT-Portal only

Save Save and activate Cancel



For more information please contact Optiaml+ team at info@optimalplus.com