# Probe tool: Design Verification Report

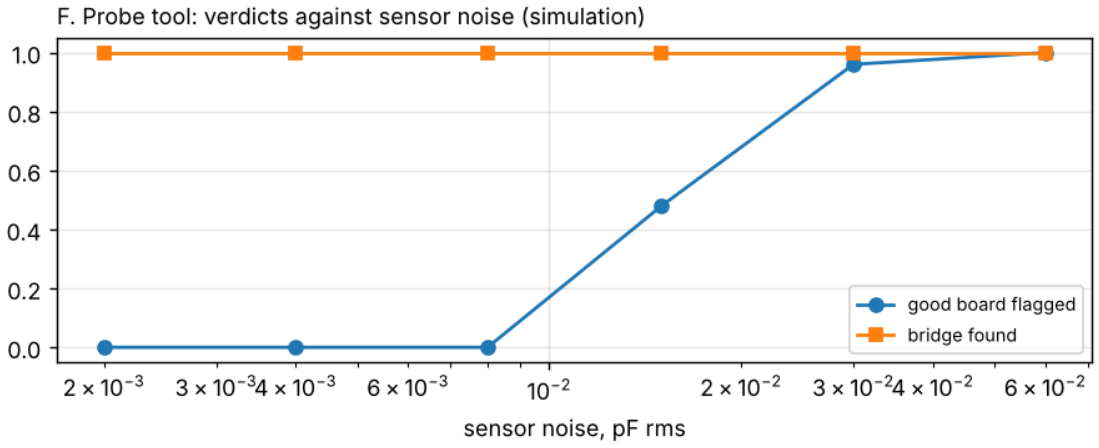
PRB-1 | Blaide product line | 17 November 2026 | Design only: nothing built or tested

What has been checked without hardware, by calculation, simulation or software test.

## Results

- PT-100: 13 nets, 0 shorts, 0 clearance violations, 0 open nets
- Simulation on the sample board: 11 of 12 nets judged, injected break and bridge found, no false alarm
- Firmware: filtering and five verdicts tested

| Sensor noise, pF rms | Good board wrongly flagged | Bridge found |
|---|---|---|
| 0.002 | 0.0 | 1.0 |
| 0.004 | 0.0 | 1.0 |
| 0.008 | 0.0 | 1.0 |
| 0.015 | 0.48 | 1.0 |
| 0.03 | 0.96 | 1.0 |
| 0.06 | 1.0 | 1.0 |




Reference coupon values, pF: 0.224, 0.398, 0.896, 1.594, 2.49, 3.586.

**Board PT-100:** KiCad 7.0.11 design rule check: 0 errors or warnings, 10 cosmetic (footprints not in a library). Own checker: 0 shorts, 0 clearance violations, 0 open nets.

## Not verified

Everything in the test plan (document 04) needs hardware.