

## FAN Control Function Test

**Model:** HP1-N850BR-H12S

**Customer:**

**Test date:** 21-Dec-23

**Test By:**

**Test Result:** PASS

### 一 : Test Condition:

**AC Input:** 220V/60HZ

**Environment temperature:** 25°C

**Fan Speed:** 2200 ±10% rpm

### 二 : Specification :

| Output Rail : | +5V     | +3.3V  | +12V    | -12V  | +5Vsb  |
|---------------|---------|--------|---------|-------|--------|
| Maximum load  | 22.0 A  | 22.0 A | 62.5 A  | 0.3 A | 3.0 A  |
| Minimum load  | 0.0 A   | 0.0 A  | 0.0 A   | 0.0 A | 0.0 A  |
| Combined Load | 120.0 W |        | 750.0 W | 3.6 W | 15.0 W |
| Total Power   | 750.0 W |        |         |       |        |

### 三 : Test Loading And Test Result : PASS

| Loading | Load List |        |        |       |       | Pout | Fan Voltage(V) | Fan Speed(rpm) |  |
|---------|-----------|--------|--------|-------|-------|------|----------------|----------------|--|
|         | +5V       | +3.3V  | +12V   | -12V  | +5Vsb |      |                |                |  |
| 0%      | 0.00A     | 0.00A  | 0.00A  | 0.00A | 0.00A | 0W   | 4.36V          | 786rpm         |  |
| 10%     | 1.28A     | 1.28A  | 7.73A  | 0.03A | 0.27A | 105W | 4.38V          | 804rpm         |  |
| 20%     | 2.44A     | 2.44A  | 10.55A | 0.05A | 0.51A | 150W | 5.17V          | 930rpm         |  |
| 30%     | 3.66A     | 3.66A  | 15.83A | 0.08A | 0.76A | 225W | 5.31V          | 958rpm         |  |
| 40%     | 4.88A     | 4.88A  | 21.10A | 0.10A | 1.01A | 300W | 5.44V          | 971rpm         |  |
| 50%     | 6.10A     | 6.10A  | 26.38A | 0.13A | 1.27A | 375W | 6.27V          | 1100rpm        |  |
| 60%     | 7.32A     | 7.32A  | 31.65A | 0.15A | 1.52A | 450W | 7.73V          | 1304rpm        |  |
| 70%     | 8.54A     | 8.54A  | 36.93A | 0.18A | 1.77A | 525W | 9.47V          | 1526rpm        |  |
| 80%     | 9.76A     | 9.76A  | 42.20A | 0.20A | 2.03A | 600W | 10.93V         | 1687rpm        |  |
| 90%     | 10.98A    | 10.98A | 47.48A | 0.23A | 2.28A | 675W | 11.39V         | 1730rpm        |  |
| 100%    | 12.20A    | 12.20A | 52.75A | 0.25A | 2.53A | 750W | 11.40V         | 1730rpm        |  |

