**Modultest, hardware**

Dioder kan ikke se hinanden

|  |  |  |
| --- | --- | --- |
| **Sted** | **Forventet resultat** | **Målt resultat** |
| Virtuelt 0 | 0,5V |  |
| Spændingsdeler | 0,5V |  |
| Udgang, OPAMP, PSoC | 0,5V |  |
| Envelope detector | 0,5V |  |
| Forstærker, udgang | 1V |  |

Dioder kan se hinanden

|  |  |  |
| --- | --- | --- |
| **Sted** | **Forventet resultat** | **Målt resultat** |
| Virtuelt 0 | 0,5V |  |
| Spændingsdeler | 0,5V |  |
| Udgang, OPAMP, PSoC | PWM, 0-5V |  |
| Envelope detector |  |  |
| Forstærker, udgang |  |  |

|  |  |  |
| --- | --- | --- |
| LED indgang | 10 kHz, 0-5V |  |

Motorkredsløb

|  |  |  |
| --- | --- | --- |
| Sted | Forventet | Målt |
| 1 | PWM, 0-9V |  |
| 2 | PWM, 0-9V |  |

Forstærker udgang

|  |  |  |
| --- | --- | --- |
| Værdi, PWM | Forventet | Målt |
| 40kHz, periode=62,5 |  |  |
| 29kHz, periode=86 |  |  |
| 10kHz, periode=250 |  |  |
| 10Hz, periode=250000 |  |  |
| 5V (LED der lyser) |  |  |

**Modultest, software**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Forventet** | | **Målt** | |
| **Indgangssignal** | **ADC** | **PWM** | **ADC** | **PWM** |
| 0V |  |  |  |  |
| 0,5V |  |  |  |  |
| 1400mV |  |  |  |  |
| 1500mV |  |  |  |  |
| 1600mV |  |  |  |  |
| 5V |  |  |  |  |