

# Software Test Sheet

MSc in Digital Systems Engineering  
Department of Electronics  
University of York

Group Project



## Contents

1	Test #1.....	3
2	Tester name: Simone Ledda.....	3
3	Test date start: 22-06.....	3
4	Test date finish: 07-07 .....	3
5	UUT typology (VHDL entity / custom IP / subsystem) .....	3
6	UUT name: Integration stage 0 .....	3
7	Software/driver functionality description .....	3
8	Objective of test .....	3
9	Test results .....	4
10	Observations .....	5
11	Grade (pass/fail):.....	5
12	Software manager approval signature .....	5

**1 Test #1****2 Tester name: Simone Ledda****3 Test date start: 22-06****4 Test date finish: 07-07****5 UUT typology (~~VHDL entity~~ / ~~custom IP~~ / subsystem)****6 UUT name: Integration stage 0****7 Software/driver functionality description**

ADAU1761 driver library allows to set registers in the audio codec via I2C bus. It's used to configure and initialize the audio codec IC.

**8 Objective of test**

1. Test compatibility of the library with the SERDES interface
2. Ensure SERDES interface's behaviour is correct against specs
3. Check whether noise is introduced or some error occurs

The black-box testing strategy is used for this test.



## 10 Observations

The board was tested together with different driving devices such as mobile phones and laptops. Even though mobile phones have smaller driving strengths the difference can barely be heard, the audio quality is clean by any noise hearable.

## 11 Grade (pass/fail):

ADAU1761 library compatibility with Integration 0 HW Block design – PASS

## 12 Software manager approval signature



Recoverable Signature

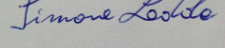
X Gavin Johnston

---

Gavin Johnston  
Software Manager  
Signed by: 1007ad75-1394-4c98-a3c5-949a4bae4391



Recoverable Signature

X 

---

Simone Ledda  
Test Manager  
Signed by: afcb6896-9ce1-4821-8979-577ea3a903e5