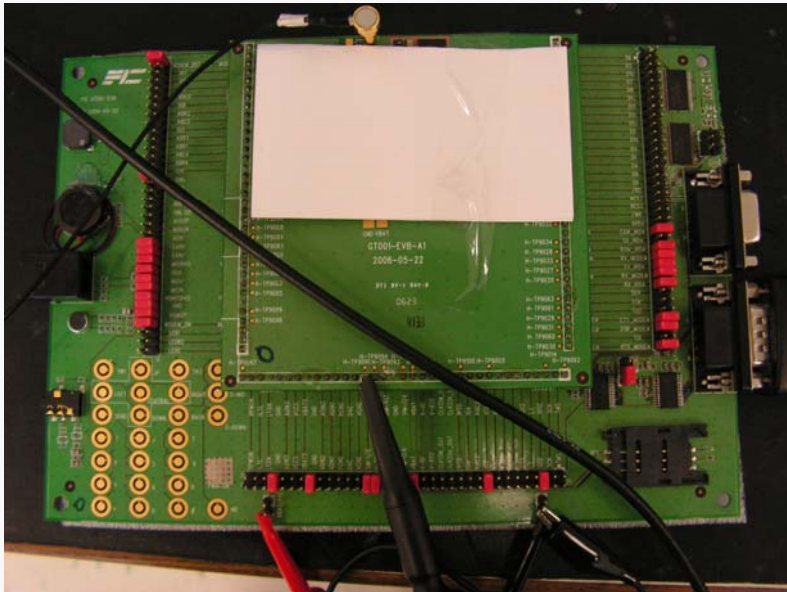


TI Calypso SIM Card Tests (Cont.)

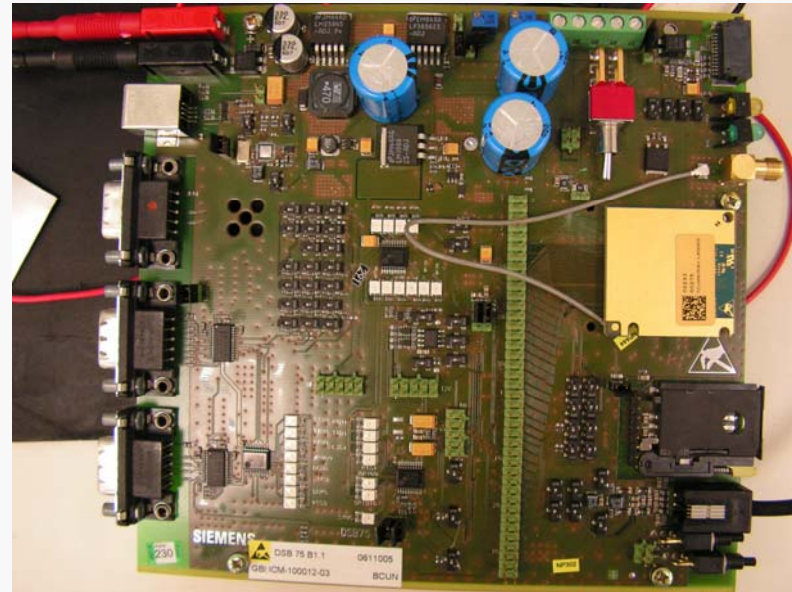


Openmoko
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Tested Platform








TI Calypso Platform (GPRS) EVB

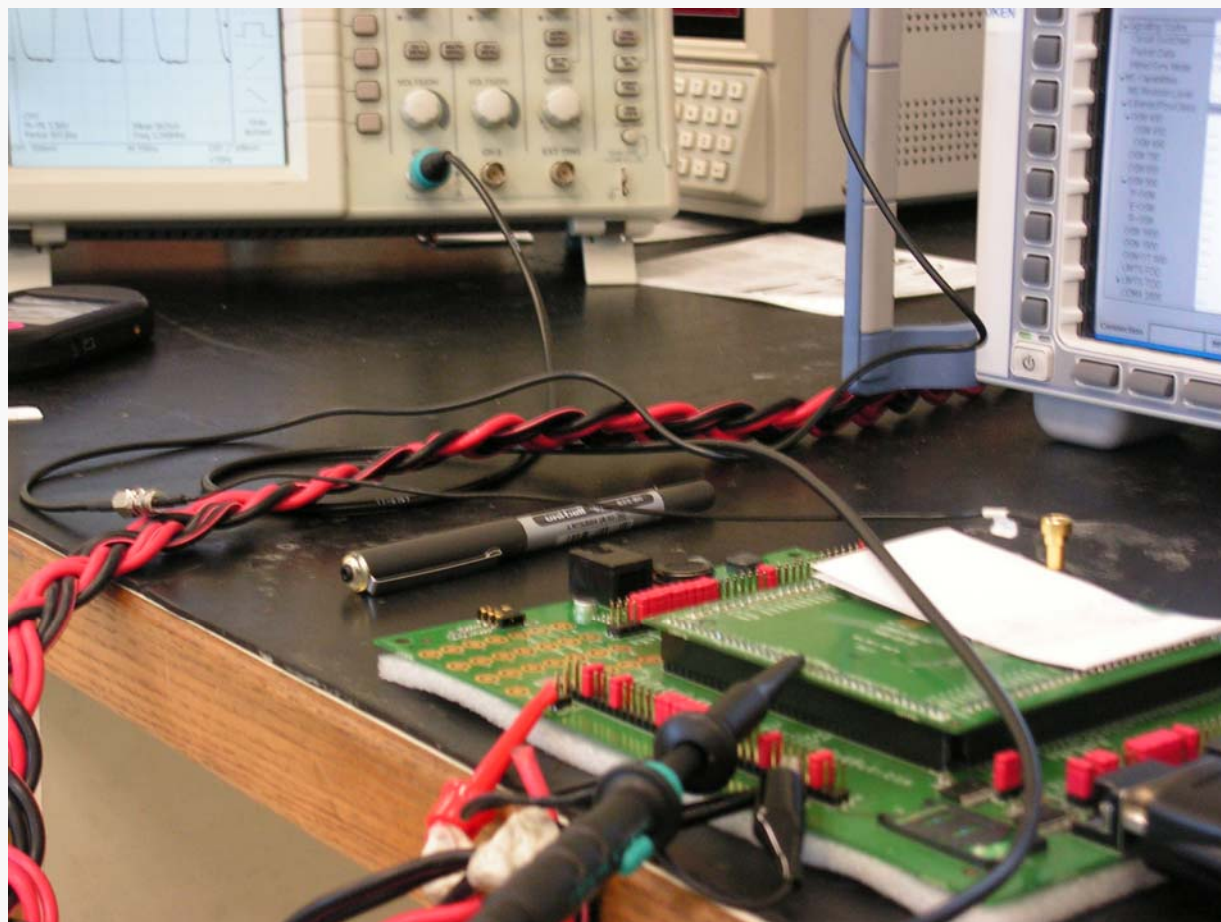


Siemens MC75i (EDGE) Platform EVB

Tested SIM Cards

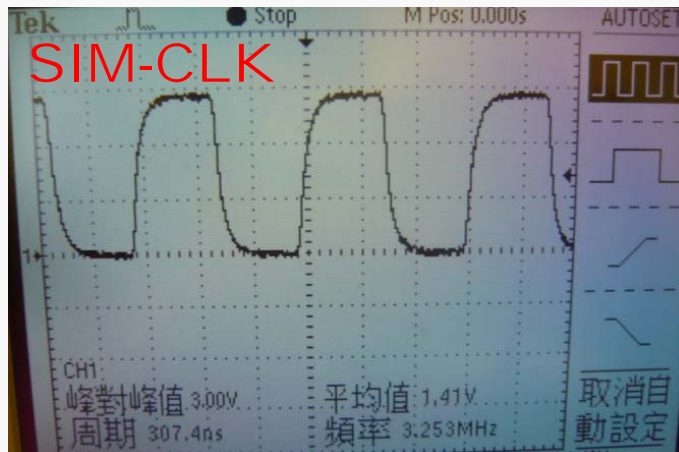
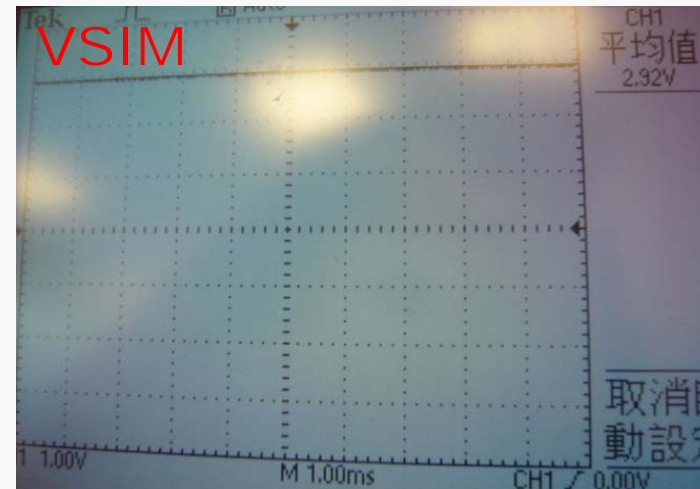
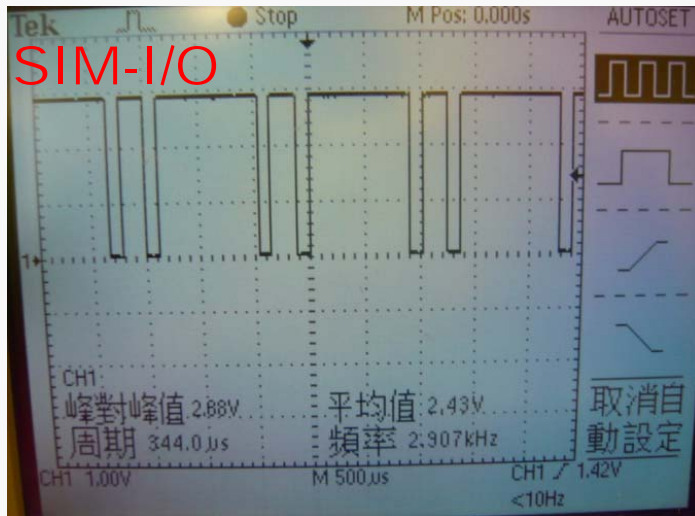
Operator	Photo	Support data rate	SIM Supply Voltage
(A)Chunghwa Telecom		2.5G(GPRS)	3V
(B)Taiwan Mobile		3G(WCDMA)	3V
(C)Chunghwa Telecom		3G(WCDMA)	1.8V
(D)Far Eastone		3G(WCDMA)	1.8V
(E)Chunghwa Telecom		3G(WCDMA)	1.8V

Test set-up



Test I

- Test Case: Calypso+(A) SIM card@4.0V power supply

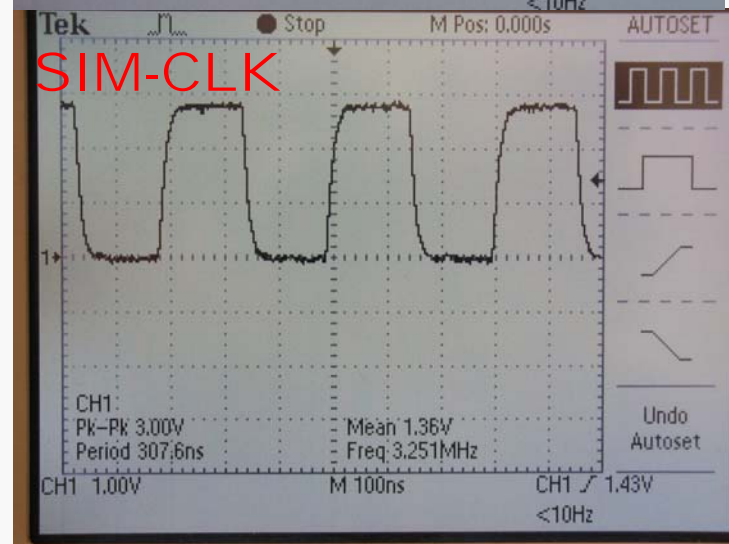
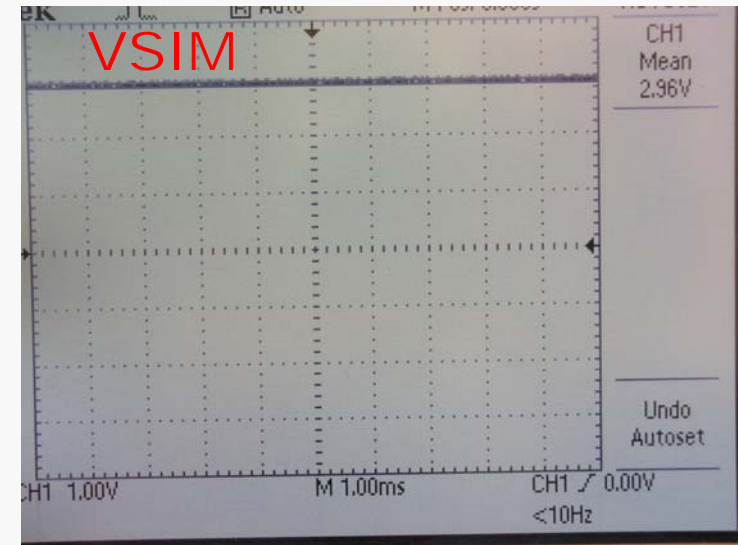
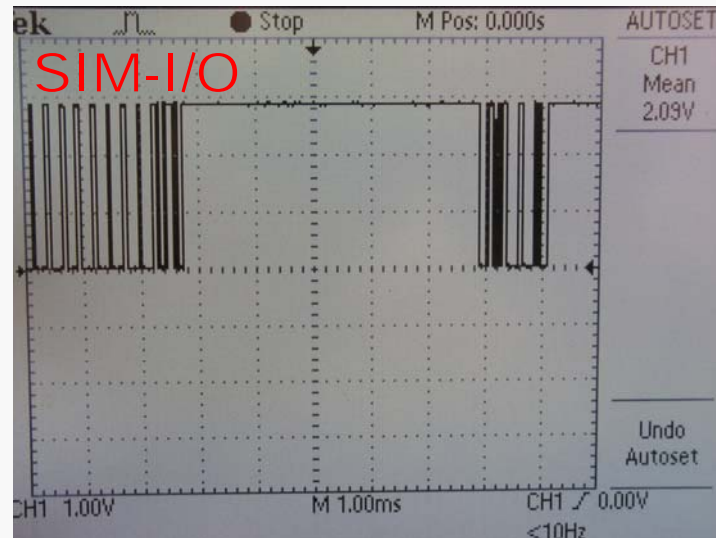


```
AT-Command Interpreter  
at+cfun=1;  
OK
```

The data from SIM can be accessed successfully.

Test II

- Test Case: Calypso+(B) SIM card@4.0V power supply

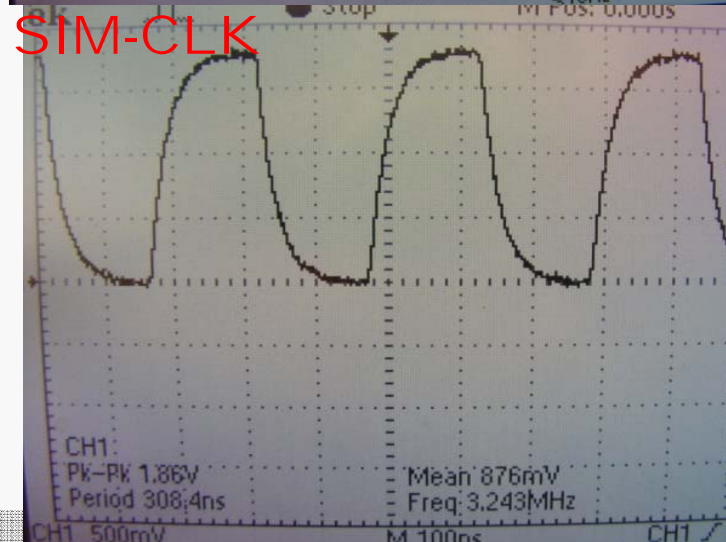
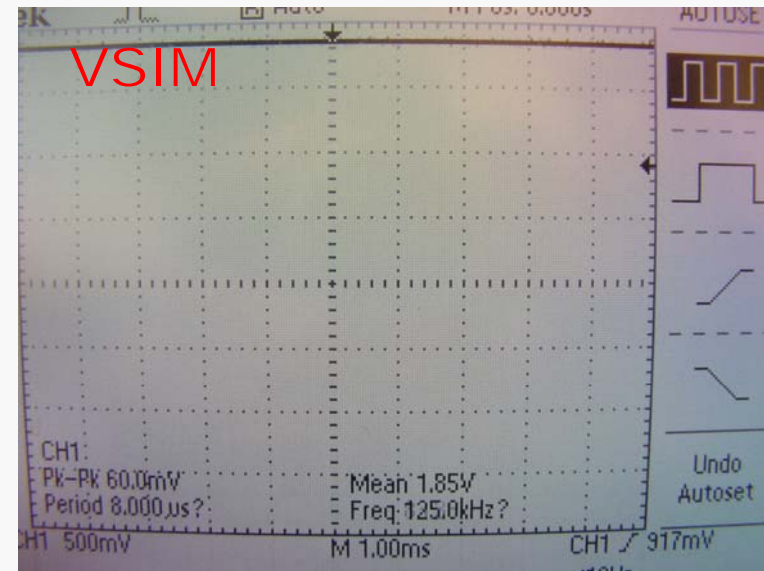
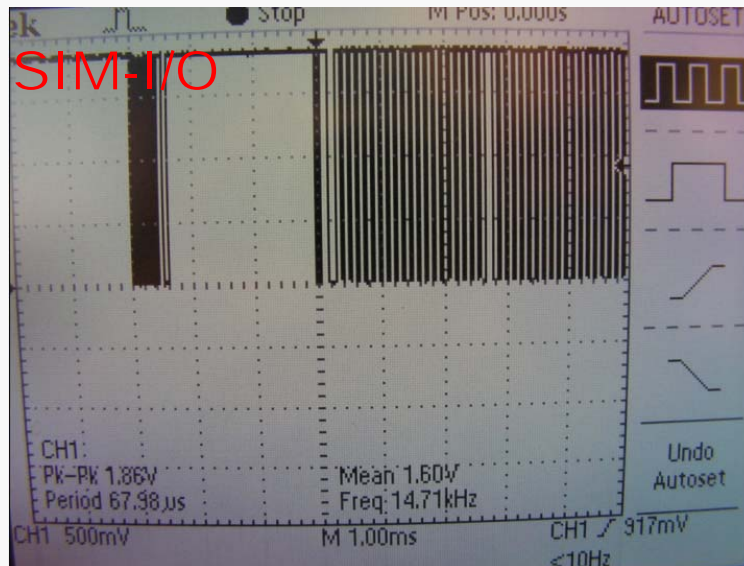


```
AT-Command Interpreter  
at+cfun=1;  
OK
```

The data from SIM can be accessed successfully.

Test III

- Test Case: Calypso+(C) SIM card@4.0V power supply

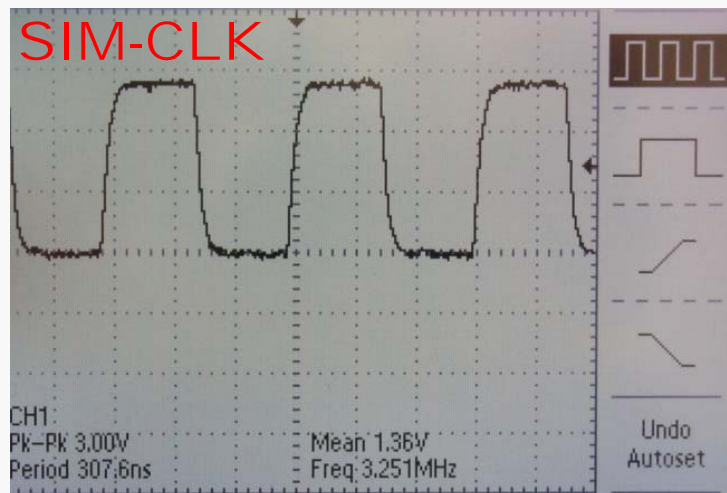
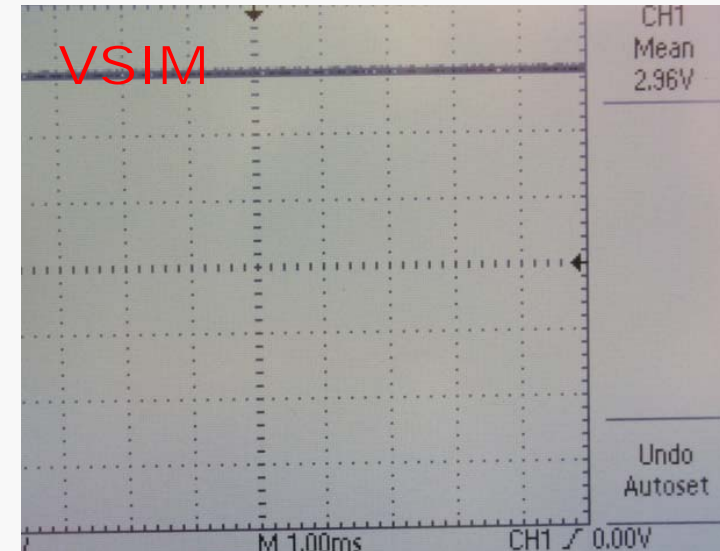
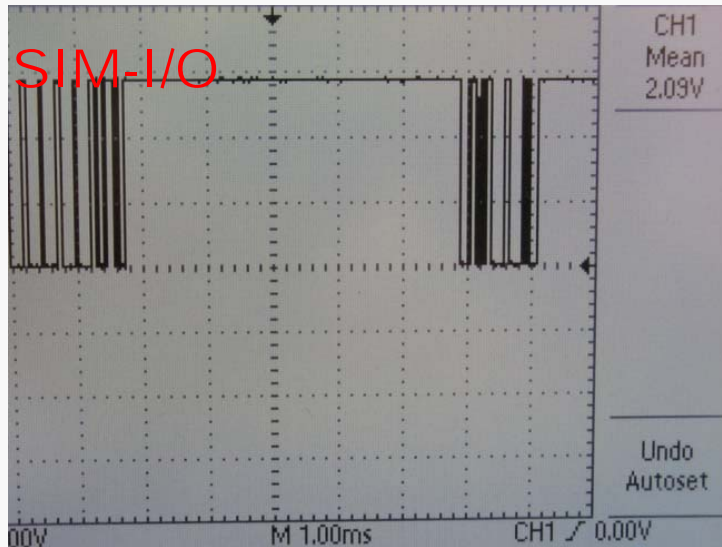


```
at+cfun=1;  
ERROR
```

The data from SIM can NOT be accessed.

Test IV

- Test Case: Siemens MC75i +(A) SIM card@9.0V power supply

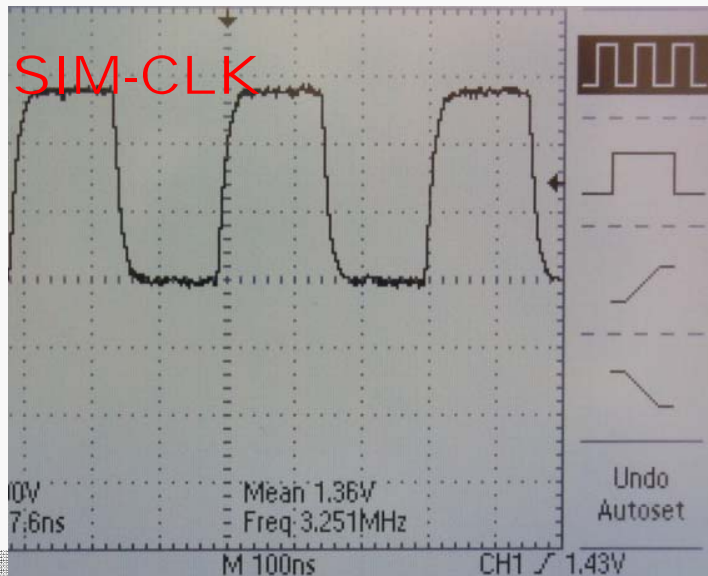
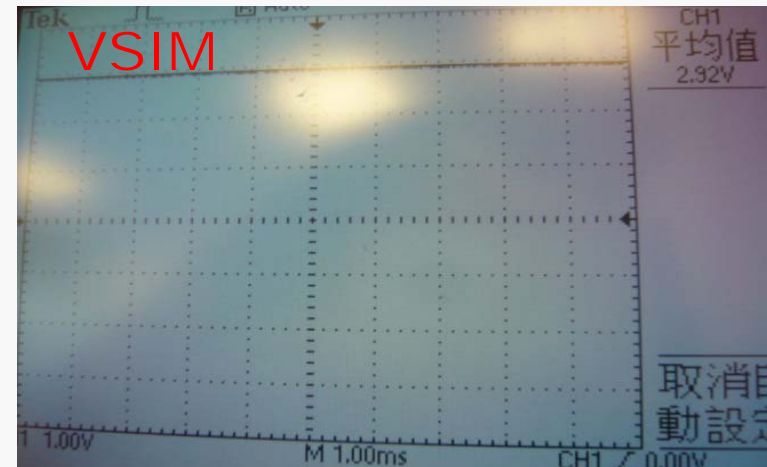
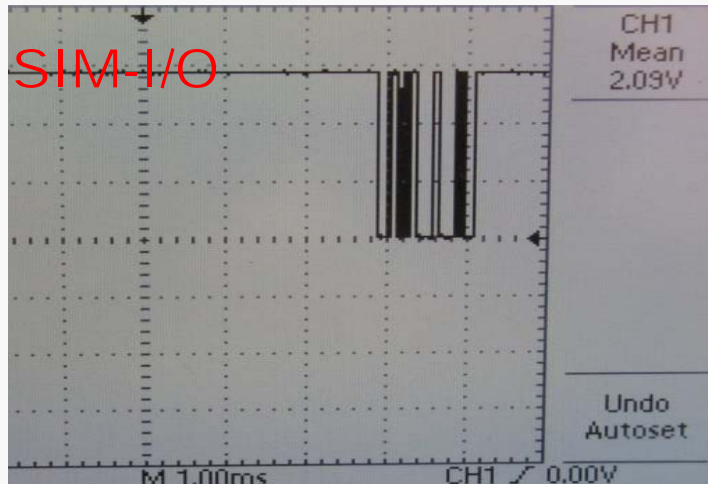


```
at+cfun=1;  
OK
```

The data from SIM can be accessed successfully.

Test V

- Test Case: Siemens MC75i +(B) SIM card@9.0V power supply

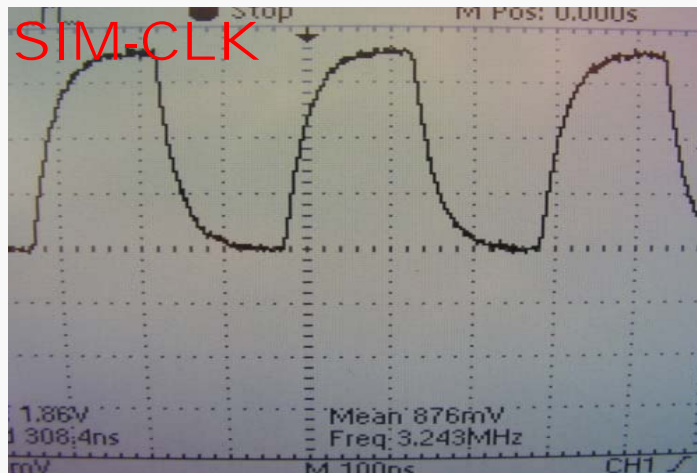
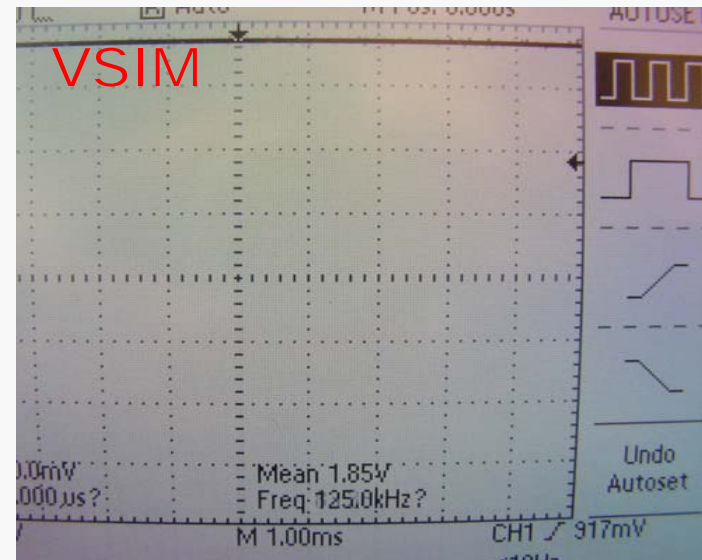
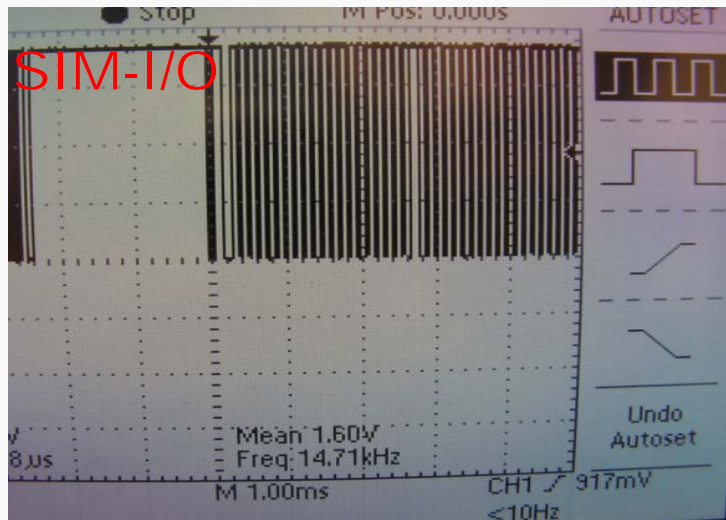


```
at+cfun=1;  
OK
```

The data from SIM can be accessed successfully.

Test VI

- Test Case: Siemens MC75i +(C) SIM card@9.0V power supply

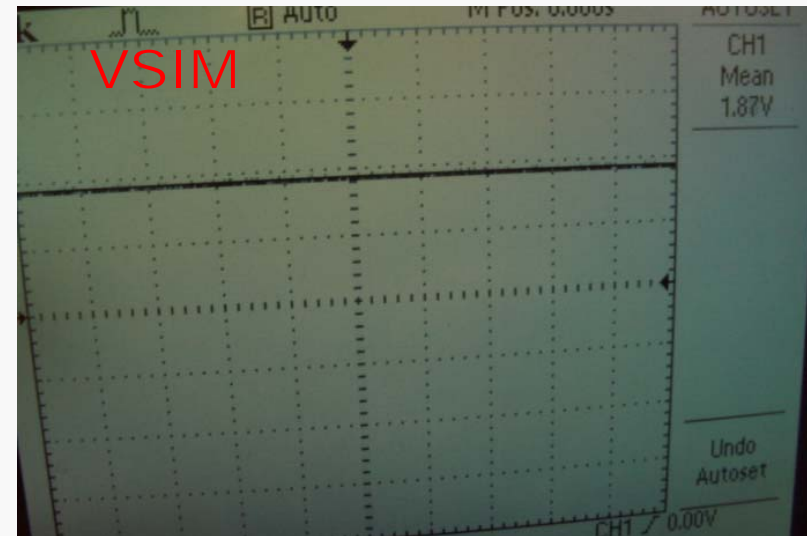


```
at+cfun=1;  
OK
```

The data from SIM can be accessed successfully.

Test VII

- Test Case: Calypso+(D) SIM card@4.0V power supply

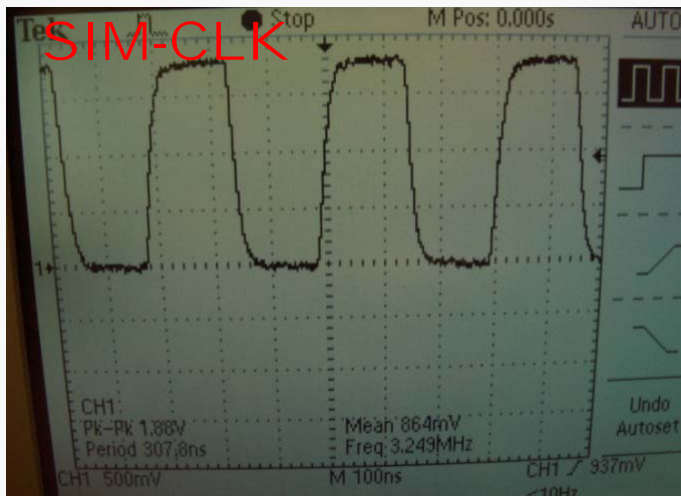
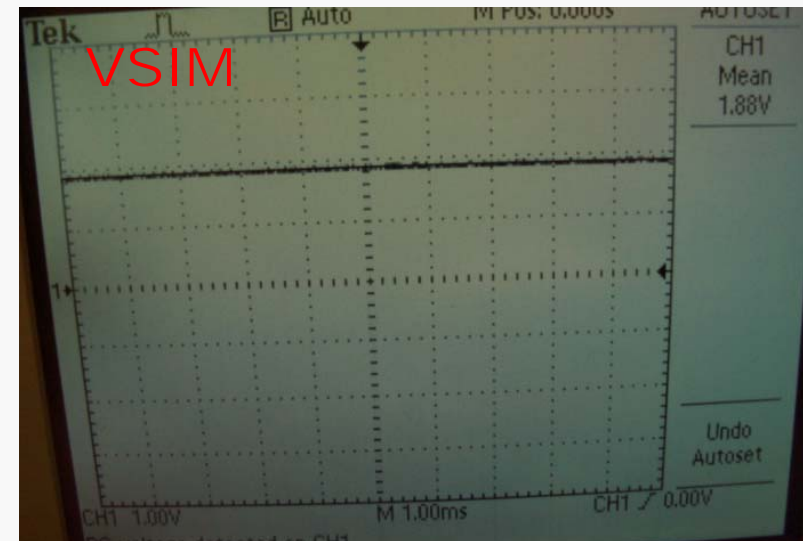
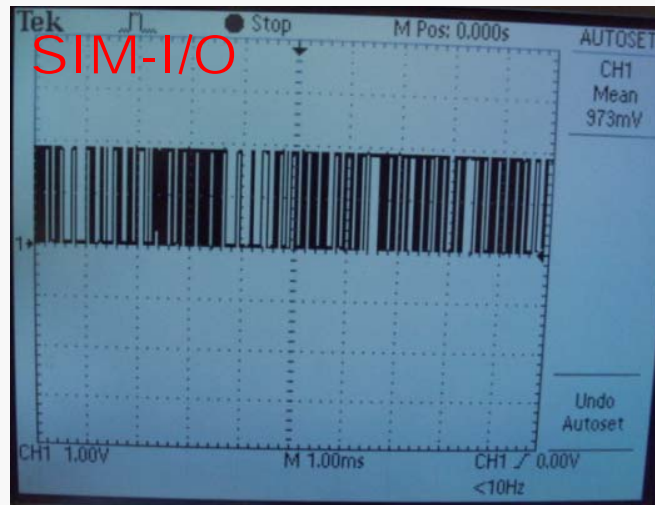


```
at+cfun=1;  
OK
```

The data from SIM can be accessed successfully.

Test VIII

- Test Case: Calypso+(E) SIM card@4.0V power supply

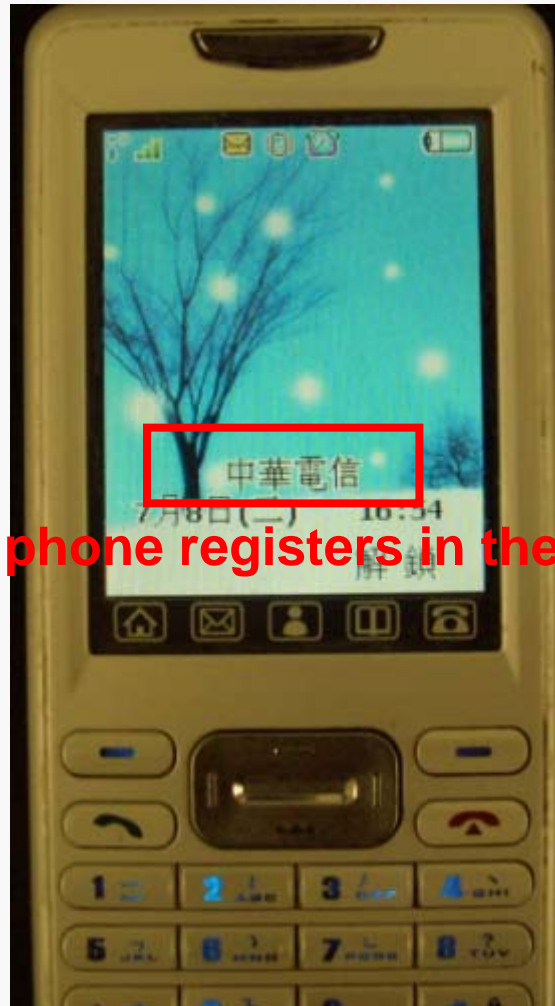


```
at+cfun=1;  
OK
```

The data from SIM can be accessed successfully.

Test IX

- Test Case: Feature phone with Calypso+(C) SIM card@BAT power supply



The phone registers in the operator

SIM Difference between (C) and (E)

(C)



(E)



Test Results Matrix

	TI Calypso Platform (GPRS) EVB	Siemens MC75i (DEGE) Platform EVB	Feature Phone with TI Calypso
(A) Chunghwa Telecom 2.5G@ 3V	○	○	
(B) Taiwan Mobile 3G@ 3V	○	○	
(C) Chunghwa Telecom 3G@1.8V	X	○	○
(D) Far Eastone 3G@1.8V	○	No test	
(E) Chunghwa Telecom 3G@1.8V	○	No test	

Conclusions

- The result of today's test shows the supply voltage (1.8V/3V) seems not the key for accessing problem. The previous conclusion is not correct.
- TI platform seems to accept almost 3G SIMs in Taiwan.
- The behavior of (c) SIM is pretty tricky.