

AT Command Emulator - Syntax & Status Commands

Objective

To test the signal quality, SIM status, and network operator information using the AT Emulator and document the numeric and textual responses.

Tested Commands and Responses

1. Command: AT+CSQ

This command checks the signal quality (RSSI - Received Signal Strength Indication).

Response received:

```
+CSQ: 21,0  
OK
```

Here, the RSSI value is 21, which indicates moderate signal strength.

2. Command: AT+CPIN?

This command checks the SIM card PIN status.

Response received:

```
+CPIN: "READY"  
OK
```

This means that the SIM card is present and ready for operation.

3. Command: AT+COPS?

This command queries the current network operator.

Response received:

ERROR

This indicates that the emulator or the setup could not fetch the operator details at this moment.



```
AT Emulator
Ctrl+C to exit
AT+CSQ

+CSQ: 21,0

OK
AT+CPIN?

+CPIN: "READY"

OK
AT+COPS?

ERROR
```