

AT Command Emulator - SMS Mode Simulation

Objective

To simulate sending and receiving SMS messages using the AT Emulator by executing SMS-related AT commands and recording the responses.

Steps Performed

- Enabled SMS text mode using AT+CMGF=1.
- Sent a test SMS using AT+CMGS.
- Attempted to read an SMS using AT+CMGR.

Tested Commands and Responses

1. Command: AT+CMGF=1

This sets the SMS mode to text mode.

Response:

OK

2. Command: AT+CMGS="+1234567890"

This sends an SMS message to the given phone number.

Message entered:

HI THIS IS A MESSAGE

Followed by pressing Ctrl+Z to send.

Response:

+CMGS: 1
OK

3. Command: AT+CMGR=1

This attempts to read the message with index 1 from the inbox.

Response:

ERROR

Observation

- Sending an SMS in text mode was successful, and the message was acknowledged with +CMGS: 1.
- Attempt to read the message with AT+CMGR=1 resulted in an ERROR, which may be due to the emulator's limited support for inbox simulation.



```
AT Emulator
Ctrl+C to exit
AT+CMGF=1

OK
AT+CMGS="+1234567890"
>HI THIS IS A MESSAGE^Z

+CMGS: 1

OK
AT+CMGR=1

ERROR
```