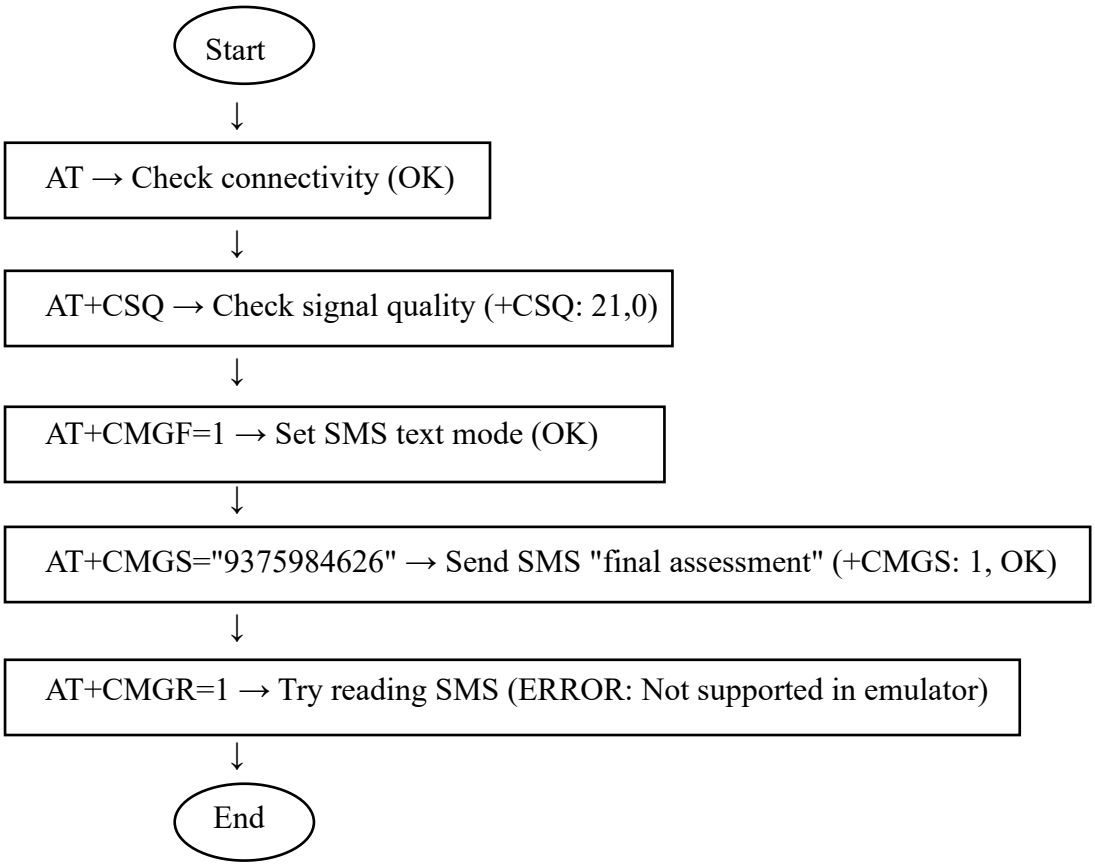
10: Final Evaluation

To create scenario with: AT → CSQ → CMGF → CMGS → CMGR in the CelerSMS AT Emulator.

Command Log

Step	Command	Expected Response (Real Modem)	Actual Response (CelerSMS Emulator)	Notes
1	AT	OK – verifies communication with modem	OK	Successful; confirms emulator is responding.
2	AT+CSQ	+CSQ: <rssi>,<ber> – signal quality values	+CSQ: 21,0	Emulator returns fixed values; indicates mock signal.
3	AT+CMGF=1	OK – sets SMS mode to text	OK	SMS text mode successfully enabled.
4	AT+CMGS="9375984626"	> prompt → type message → +CMGS: <mr> and OK	> final assessment → +CMGS: 1 → OK	SMS composed and sent; ^Z used to send.
5	AT+CMGR=1	+CMGR: "REC UNREAD", ... <message> – shows SMS text	ERROR	Emulator does not support SMS storage read commands.

Flow Diagram



Summary

The sequence AT → CSQ → CMGF→ CMGS → CMGR helped reinforce the practical use of basic GSM AT commands. Successful execution was achieved for connectivity, signal check, SMS text mode, and sending SMS, while AT+CMGR consistently returned ERROR, as message reading is not supported in the emulator. Similar limitations were seen earlier with commands like AT+CMEE=2 (extended error reporting). The exercise improved understanding of AT command syntax and emulator constraints.