# 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

Start

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AT → Check connectivity (OK)

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AT+CSQ → Check signal quality (+CSQ: 21,0)

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AT+CMGF=1 → Set SMS text mode (OK)

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AT+CMGS="9375984626" → Send SMS "final assessment" (+CMGS: 1, OK)

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AT+CMGR=1 → Try reading SMS (ERROR: Not supported in emulator)

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End

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.