SUMMARY

The purpose of this evaluation was to perform a complete SMS operation using a sequence of AT commands: AT, AT+CSQ, AT+CMGF=1, AT+CMGS, and AT+CMGR, while verifying each response in a terminal emulator. The modem responded appropriately to the initial AT command and returned a valid signal strength with +CSQ: 21,0. SMS text mode was successfully enabled using AT+CMGF=1, and a test message ("HELLO") was sent to the target mobile number using AT+CMGS, which responded with +CMGS: 1, confirming successful delivery.

However, when attempting to retrieve the message using AT+CMGR=1, the modem returned an ERROR. This likely indicates that the message was not stored at index 1, or the retrieval failed due to an invalid memory reference or unsupported storage access. This situation underlines the need to use AT+CMGL="ALL" to list all stored messages and identify valid indices before using AT+CMGR.

Overall, the task provided practical experience with standard SMS AT command procedures and highlighted the importance of diagnostic steps when encountering message retrieval issues.