

2: Syntax & Status Commands

➤ Sent Command: **AT+CSQ**

➤ Response:

+CSQ: 21,0

OK

❖ 21 = RSSI (Signal strength), 0 = Bit Error Rate (BER)

❖ Conversion formula: $\text{dBm} = -113 + (\text{RSSI} \times 2)$

$= -113 + (21 \times 2)$

○ = -71 dBm

Signal Strength: Very Good

❖ The command is used to check signal quality.

➤ Sent Command: **AT+CPIN?**

➤ Response:

+CPIN: "READY"

OK

❖ "READY" means the SIM is active and doesn't require a PIN.

➤ Sent Command: **AT+COPS?**

➤ Response: ERROR

❖ Command was unsupported in this emulator.

❖ The current mode, the registered operator, and the radio access technology should be returned.

❖ Sample format

+COPS: [selection mode],[operator format],[operator],[radio access technology]

OK

Ref : [AT+COPS – AT Command For Operator Selection | Onomondo](#)