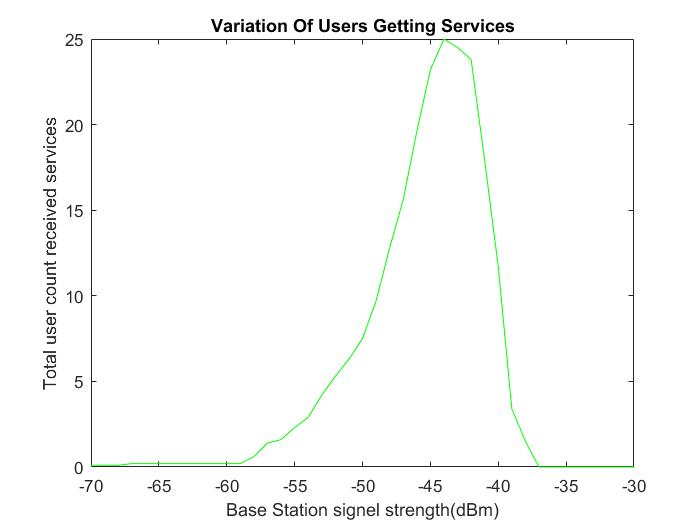
**Lab 03**

Tasks:

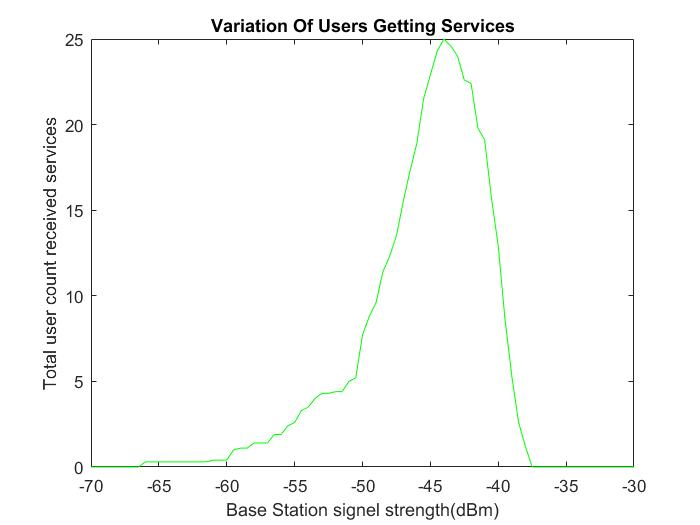
1. Investigate the impact of signal strength by incrementally increasing the signal power at the base station.
2. What is the optimal signal strength the base station may operate at?

**When Step Size = 1**



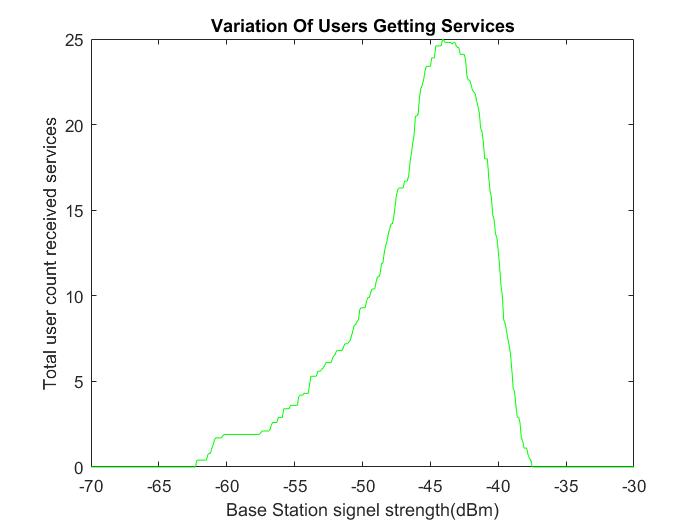
Max users 25 at -43.00 dBm

**When Step Size = 0.5**

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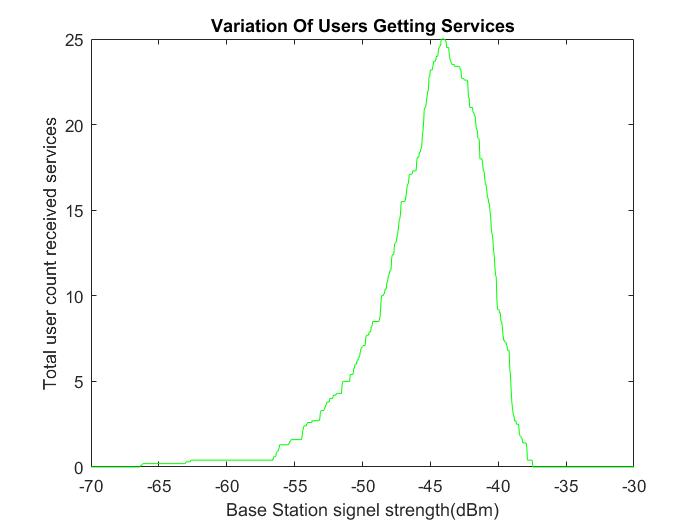
Max users 25 at -43.50 dBm

**When Step Size = 0.1**

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Max users 24 at -44.00 dBm

**When Step Size = 0.05**

****

Max users 25 at -44.30 dBm