



# AN1433: SiWx917 NCP Low Power Application Note

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Power is critical for any battery-operated wireless device. Based on the user application, the wireless device can be idle for more time or for a very short time. During this idle period, the wireless devices can be set to sleep to conserve battery power. The SiWx917 wireless device is an optimal ultra-low power wireless (WLAN and Bluetooth) solution for developing applications requiring long battery life.

This application note describes the SiWx917 Power Save Modes, and how to choose Power Save Modes based on application requirements and current consumption analysis during various Operational Modes in NCP mode. It also explains how to configure SiWx917 in different Power Save Modes using power save examples in the WiSeConnect™ SDK v3.x and power optimization techniques that reduce SiWx917's current consumption.

## KEY POINTS

- SiWx917's current consumption during various Operational Modes
- Refer to Power Save Examples in the WiSeConnect™ SDK
- Choosing Power Save Modes as per application requirements
- Current measurement methods
- Power Optimization Techniques

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