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# Android Power Modes

## Broadcom Proprietary and Confidential

**Release Note:** This document can be shared with customers.

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Our Android release supports four power modes under Android. Power consumption depends on hardware and software specifics.

### Active (S0)

- All modules are available, some will be powered off and on according to demand

### Screen Off (S0.5)

- HDMI output is disabled, only one ARM core is active. The system will enter this state in response to a short press of the power button, and will remain in this state if wake locks are held, but otherwise will transition to S2.

### Passive Standby (S2)

- All CPU cores are in standby, system can be awakened by infrared remote, Bluetooth remote, Ethernet or WiFi, or by applications based on elapsed time, such as by using RTC\_WAKEUP alarms.

## **Power Off (S5)**

- Lowest power mode, entered with a long press of the power button and selecting power off. Only infrared remote can be used to reboot the system.