

## Operation and Control of Atheros Communications AR5BCB-00021:

The Atheros Communications AR5BCB-00021 cardbus card was inserted into a host laptop for SAR testing. This laptop was loaded with Atheros Radio Test (ART) software that enabled control of the device-under-test via menu driven keyboard commands. Device operating conditions that are controlled by the software include channel frequency, data rate, output power, and duty cycle. During the SAR test, the device-under-test was configured for a 126mW (21dBm) output power, 99% duty cycle, 6Mbps data rate. The card's closed loop power control circuit was enabled by the software to set and maintain a constant 21dBm output power level for each of the tested channel frequencies.