

Silicon Controls Pty Ltd

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Tune-up Procedure

During manufacturing, each product will be calibrated (included Sierra Wireless Q24PL001 GSM/GPRS module).

The measurement is done in a fully calibrated setup, which is based on a CMU200 R&S base station simulator (system tester). Furthermore, the highest power level is verified afterwards in a call measurement on three channels (low, mid and high) on all bands in GSM.

Procedure:

1. Set the product to operational voltage (3.2V-3.9V), on mid channel and on all bands GSM.
2. The actual power is measured at 3 different power levels.
3. The power of each individual product are calculated and stored in each product individually.
4. The power level is measured for checking.
5. The Rx Level is measured on mid channel and on all band GSM
6. The gain of reception chain is calculated and stored in each product individually.

The user has no possibility to change these settings later on.