Tune up procedure

Tune up procedure shall be over the power range or at specific operating power levels.

1. It must provide an operational voltage (3.4 ~ 4.2V DC) to turn on the device and on one certain channel in service mode by means of company proprietary software.
2. Base station simulator (Agilent 8960) measures the GSM device specific RF characteristics.
3. The maximum gains of each individual device are adjusted until the target value met.

- **For GSM 850 band：**

  PCL = 5, PWR = 33± 1dBm

- **For PCS 1900 band：**

  PCL = 5, PWR = 30± 1dBm

Then these appropriate gain settings are stored in each device individually.

The user has no possibility to change these settings later on, and during manufacturing each device will be individual calibrated. The measurement is done in fully calibrated setup, which is based on a Agilent 8960 base station simulator. Furthermore, the highest power level is verified afterwards in a call measurement on three channels (low, middle and high).