

Tune-up Procedure

During manufacturing each product will be individually calibrated.

The measurement is done in a fully calibrated setup, which is based on Anritsu MT8870A, or RS CMW500, or iTest WT108, or Litepoint IQxstream.

Furthermore, the maximum power is verified afterwards in a call measurement on three channels (low, mid and high).

Procedure:

1. Set the module to operational voltage and on one certain channel in a special service mode by means of company proprietary software.
2. The actual power is measured at minimal and maximum power levels.
3. The gain factors of each individual module are adjusted via the Board-test SW using automatic adjustment arithmetic until the target value is met.
4. The tune-up target value is below:

LTE 43/48: 13.5dBm [-2 dBm ~ +2 dBm]

The appropriate gain control settings are stored in RF table (a special section in Flash marked with Read only and untouchable for end user) each module individually (for each power level).

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