

Tune up description

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

1. It must provide an operational voltage (3*1.5V AA Battery or internal 3.7V Li-ion battery or USB DC 5V) to turn on the device and on one certain channel in service mode by means of company proprietary software.
2. The maximum gains of each individual device are adjusted until the target value met.

<Bluetooth V4.0 LE>

Max. Power=4.61±0.5 dBm (Peak Value)

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 the base station simulator. Furthermore, the highest power level is verified afterwards in a measurement on three channels (low, middle and high).