
Tune-Up Procedure of Campact

1.output power

GSM Mode:

During manufacturing each module will be individually calibrated. The measurement is done in a fully calibrated setup, which is based on a Rohde&Schwarz CMU200 base station simulator (system tester). The highest power level is verified in a service mode on one channel per band.

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 several power levels.
3. The gain factors of each individual module are adjusted until the target value is met. The appropriate gain control settings are stored in each module individually (for each power level). The user has no possibility to change these settings later on.
4. The RMS TX target output power and the tolerances see following table:

Band	RMS Target	Tolerance
GPRS 850(GMSK, 1 Tx slot)	32dBm	+/- 1dB
GPRS 850(GMSK, 2 Tx slot)	30dBm	+/- 1dB
GPRS 850(GMSK, 3 Tx slot)	29dBm	+/- 1dB
GPRS 850(GMSK, 4 Tx slot)	27dBm	+/- 1dB
GPRS 1900(GMSK, 1 Tx slot)	30dBm	+/- 1dB
GPRS 1900(GMSK, 2 Tx slot)	27dBm	+/- 1dB
GPRS 1900(GMSK, 3 Tx slot)	26dBm	+/- 1dB
GPRS 1900(GMSK, 4 Tx slot)	24dBm	+/- 1dB
GSM 850	32dBm	+/- 1dB
GSM 1900	30dBm	+/- 1dB