

**FCC ID: S52P1900-1**

**iCell BTS 1900MHz  
Tune-up Procedure**

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## RF Modem Description & Tune Up Procedure

### Transmit:

CDMA Forward signal is developed in the Qualcomm CSM5000 CDMA modems in the main digital board of the BTS module. The digitizer module converts the signal to analog. This signal is up-converted to the desired channel frequency, amplified and filtered.

The output power level is fixed at 100mW (+20dBm) for a typical CDMA physical and logic channel combination including pilot, synchronization, paging, and six arbitrary traffic channels.

Output power is calibrated at the factory using calibrated power measurement equipment to ensure the target power is reached.

Protection circuitry ensures the maximum desired output power is not exceeded.

There are no field tunable components in the BTS module.

