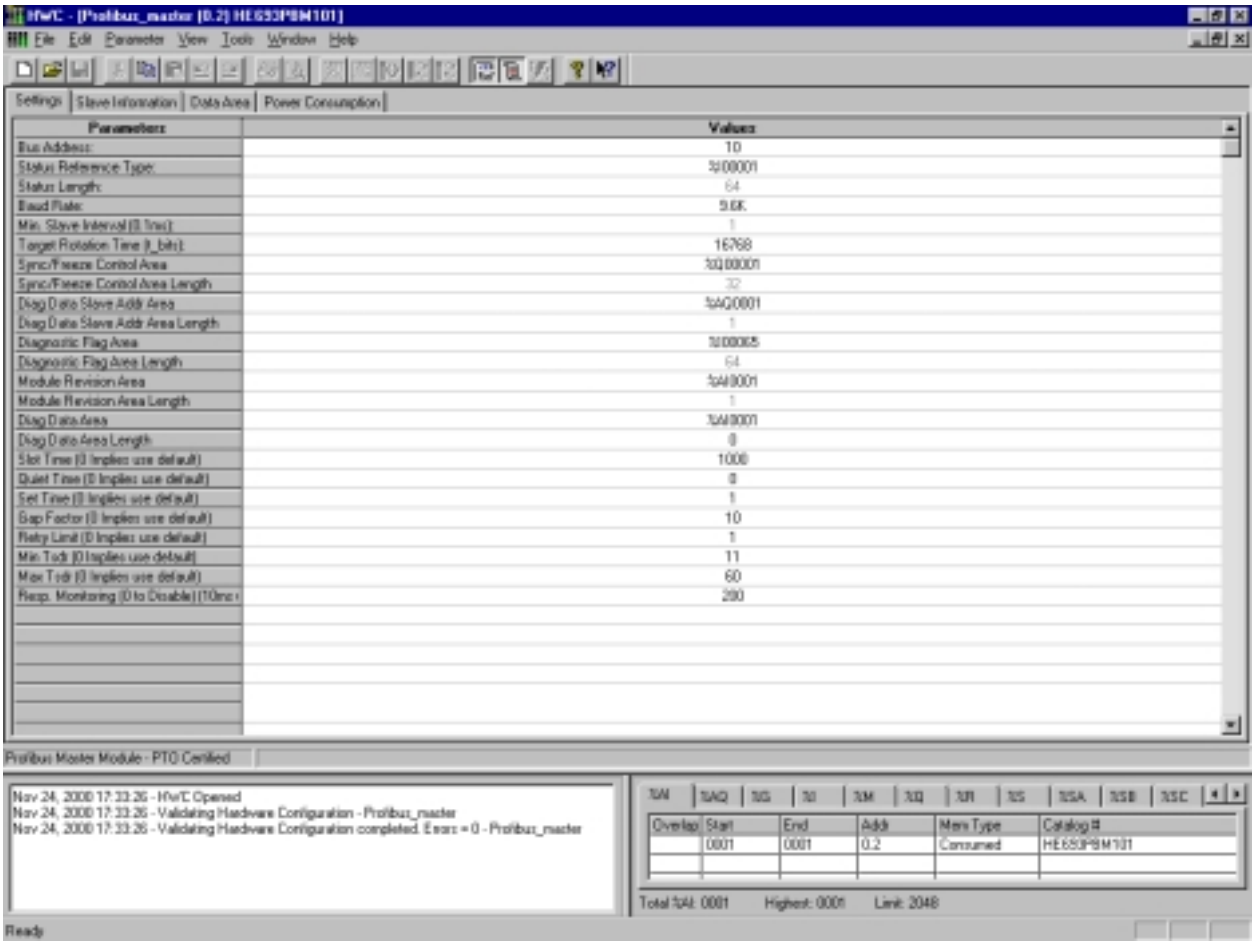
SATELLINE RADIO MODEMS

# SATELLINE-3AS(d)
# WIRELESS PROFIBUS
# Bus Parameters

Bus parameters for PROFIBUS devices to be used with SATELLINE-3AS /SW version 0.35 or higher.

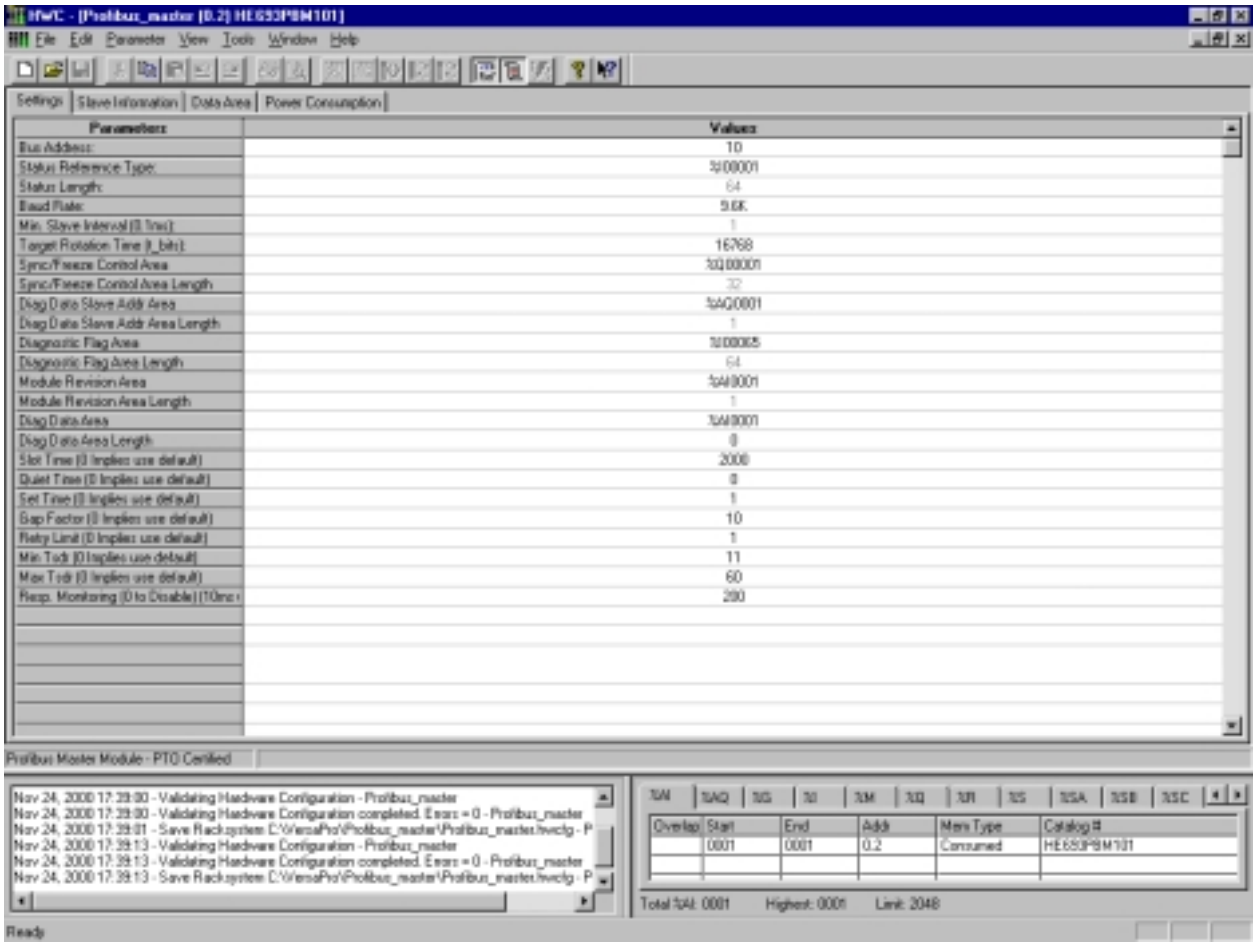
Ustawienia radiomodemów:
9600 bps, 12.5 kHz, FEC lub 19200 25kHz





**SATEL Oy, P.O.Box 142, FIN-24101 Salo, Finland**
**Street: Meriniitynkatu 17, FIN-24100 Salo, Finland**
**Tel: +358 2 777 7800, Fax: +358 2 777 7810, E-mail: info@satel.fi**
**www.satel.fi**

**Komunikacja z repeaterem:**
**Ustawienia radiomodemów: 9600 bps**
**12.5 kHz**
**Ustawienia Mastera (PBM101) -**
***poni ej***




**<u>No baud rates are</u> supported with FEC**

*PARAMETERS:*

Parameters that should be changed are underlined and the other default parameters are in parenthesis. The parameters are given in *t_bits*. One t_bit is 1 divided with the bus speed (e.g. 1/9600).
For example at 9600 bps one t_bit is 96 microseconds (about 0.1 millisecond). So 1000 t_bit is about 100 milliseconds at 9600 bps and about 50 milliseconds at 19200 bps.

*Tqui* defines the time allowed for bus drivers to change from send to receive.

*T_set* defines the time that may elapse between an event and reaction to that event.

*T_slot_init/Tsot* defines the maximum time the sender of frame must wait until the station addressed station responds.

*Retry limit* defines the maximum number of call retries to a slave that fails to answer.

*Delta Ttr/Ttr* the additional time allowance to additional for other masters (e.g. FMS masters) that are not part of the current configuration.

*Tsdr_min/Min Tsdr* defines the shortest protocol processing time.

*Tsdr_max/Max Tsdr* defines the longest protocol processing time.T

*Gap/Gap Factor* defines how often address gaps between the masters are checked. Gaps result if some masters are removed from the system.

*HSA* is the highest PROFIBUS master address.

*Correction factor* defines safety margin for the response monitoring time.

*Watchdog* function permits the slave to monitor the master to make sure it is still active. If the watchdog is not retriggered all the slave outputs are default value.