

**NOKIA**

NMP/DCU/Tampere

**CONFIDENTIAL**

1 (1)

November 15, 2000

**DESCRIPTION OF CIRCUITS DETERMINING FREQUENCY**

FCC ID: PDN-DTL-1

A 13 MHz crystal oscillator acts as a common reference for the RF and baseband functions during normal operation. The frequency is aligned during production to be within  $\pm 2\text{ppm}$ . There is no AFC function. The crystal has reference number B130 in radio module's schematic diagram.

During sleep mode the 13 MHz oscillator is shut down and there is a 32.768 kHz crystal oscillator supplying only the baseband section.



Simo Vapaakoski  
Product Program Manager