



REPORT

Datum/Date
1998-12-16

Beteckning/Reference
98F52452

Sida/Page
Encl. 3.1

Field strength measurement on the fundamental of Transmitter part according to 15.231 e)

Date	Temperature	Humidity
24 November, 1998	22 °C ± 3 °C	23 % ± 5 %

Test set-up and Procedure

The field strength measurement was performed in the fully anechoic chamber at SP. A bilog antenna was used. The measurements were performed with both horizontal and vertical polarisation of the antenna and the turntable was scanned 360°. The maxima were found and the field strength measured. The antenna distance was 3 m and the antenna height 1.3 m.

The test set-up during the test can be seen in the picture below.



Measurement equipment	SP number
Anechoic chamber	8:312
R&S ESAI	502 199
Compaq Presario	501 516
Software: R&S ES-K1, ver. 1.40c	
Chase Bilog antenna CBL 6121A	502 460
Testo 610, Temperature and humidity meter	502 658

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Sida/Page
Encl. 3.2

Result

The field strength of the fundamental was 67.7 dB μ V/m

Limit

According to table in 15.231 e , the field strength of the fundamental shall not exceed 72 dB μ V/m. This value is calculated from the fundamental frequency of 418 MHz.

Field strength below limit?	Yes
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