



2_TDK_0502_TAS

FCC
Federal Communications Commission

Torsten Lohoff
24. February 2003
Phone +49 (0) 2102 749 306
Fax +49 (0) 2102 749 350

RF exposure requirements - FCC ID: PI4_TDK_BTISM

Dear Application Examiner,

The maximum measured power output is 3,3 mW (5,19 dBm), the maximum antenna gain is 2 dBi = numeric gain 1,585 (see also FCC test report)

The maximum permissible exposure is defined in 47 CFR 1.1310 with 1 mW/cm². The distance from the EUT's transmitting antenna where the exposure level reaches the maximum permitted level is calculated using the general equation:

$$S = P \cdot G / 4\pi R^2$$

$S_{\max} = 1\text{mW/cm}^2$, $P = 3,3\text{ mW}$, linear power gain relative to the isotropic radiator = 2,0 dBi = 1,585 (numeric gain), $R = \text{distance in cm}$