

FCC
Federal Communications Commission

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01. October 2002
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RF exposure requirements - FCC ID: NT8-14B4093KAFSWM

Dear Application Examiner,

The maximum measured power output is 0,661 mW (-1,8 dBm), the maximum antenna gain is 2 dBi = numeric gain 1,585 (see also FCC test report - Exhibit B)

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:

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

$S_{\max} = 1\text{mW/cm}^2$, $P = 0,661\text{ mW}$, linear power gain relative to the isotropic radiator = 2,0 dBi = 1,585 (numeric gain), R = distance in cm

Solving for R , the 1mW/cm² limit is reached in a distance of 0,289 cm to the transmitting antenna.

The module has to be integrated in a way that the minimum distance of 0,289 cm is ensured so a statement in the users manual is not necessary.

Please contact us if you have any additional questions.

Best Regards

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