



2_TDK_0502_TAS

FCC
Federal Communications Commission

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RF exposure requirements - FCC ID: PI4_PCCardII

Dear Application Examiner,

The maximum measured power output is 3,05 mW (4,84 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:

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

$S_{\max} = 1\text{mW/cm}^2$, $P = 3,05\text{ mW}$, linear power gain relative to the isotropic radiator = 2,0 dBi = 1,585 (numeric gain), $R = \text{distance in cm}$