

FCC
Federal Communications Commission

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RF exposure requirements - FCC ID: RAYGPS4000

Dear Application Examiner,

The maximum measured power output is 0,75 mW (-1,26 dBm), the maximum antenna gain is 0 dBi = numeric gain 1 (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:

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

$S_{\max} = 1 \text{ mW/cm}^2$, $P = 0,75 \text{ mW}$, linear power gain relative to the isotropic radiator = 0 dBi = 1 (numeric gain), R = distance in cm

Solving for R , the 1mW/cm² limit is reached in a distance of 0,24 cm to the transmitting antenna. Because of the construction of the device, it is impossible that the user gets that close to the transmitting antenna.

Please contact us if you have any additional questions.

Best Regards

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