

FCC
Federal Communications Commission

Torsten Lohoff
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Phone +49 (0) 2102 749 306
Fax +49 (0) 2102 749 350

RF exposure requirements - FCC ID: IHDT6ED1

Dear Application Examiner,

The maximum measured power output is 2,06 mW (3,13 dBm), the maximum antenna gain is -0,9 dBi = numeric gain 0,81 (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:

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

$S_{\max} = 1 \text{ mW/cm}^2$, $P = 2,06 \text{ mW}$, linear power gain relative to the isotropic radiator = -0,9 dBi = 0,81 (numeric gain), $R = \text{distance in cm}$

Solving for R , the 1mW/cm² limit is reached in a distance of 0,365 cm to the transmitting antenna.

Please contact us if you have any additional questions.

Best Regards

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