FCC
Federal Communications Commission

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RF exposure requirements - FCC ID: T8GBE9410, WLAN portion

Dear Application Examiner,

The maximum measured power output is 25,41 mW (14,05 dBm), the maximum antenna gain is 2 dBi = numeric gain 1,58 (see also FCC test report)

The maximum permissable 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:

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

S = maximum exposure in mW/cm², P = 25,41 mW, linear power gain relative to the isotropic radiator = 2 dBi = 1,58 (numeric gain), R = 20 cm

Solving for S, a maximum exposure of 0,00798 mW/cm² limit is reached in a distance of 20 cm to the transmitting antenna.

Please contact us if you have any additional questions.

Best Regards

7layers AG