

FCC
Federal Communications Commission

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RF exposure requirements - FCC ID: LYHBLUEVCIBT

Dear Application Examiner,

The maximum measured power output is 13,8 mW (11,4 dBm), the maximum antenna gain is 3 dBi = numeric gain 1,9953

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:

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

$S_{\max} = 1\text{mW/cm}^2$, S (exposure), $P = 13,8$ mW, linear power gain relative to the isotropic radiator = 3 dBi = 1,9953 (numeric gain), $R = 20$ cm (distance)

The calculated exposure in a distance of 20 cm is 0,0055 mW/cm².

Please contact us if you have any additional questions.

Best Regards

7layers AG