



RF exposure requirements – FCC ID: NCMOMO0301E

Dear Examiner,

MO 0301 is marketed without defined antenna. According to the limit in 47 CFR 1.1310, we get the value of the maximum antenna gain as follow:

The maximum measured power output in the 850 MHz band is 1548.82 mW (31.9dBm, see 7layers test report MDE_OPTI_0709_FCCa).

The maximum permissible exposure is defined in 47 CFR 1.1310 with 0.55773 mW/cm².

The transmitter is using indoor antennas that operate at 20 cm or more from nearby persons.

The maximum antenna gain G is calculated using the general equation:

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

$$S = 0.55773 \text{ mW/cm}^2$$

$$P = 1548.82 \text{ mW}$$

$$R = 20 \text{ cm}$$

$$\pi = 3.1416$$

Solving for G; the maximum antenna gain is 2.5770 dBi.

Best Regards
7 layers AG

A handwritten signature in blue ink, appearing to read 'i.A. Leutfeld', written in a cursive style.

i.A. Holger Leutfeld



RF exposure requirements – FCC ID: NCMOMO0301E

Dear Examiner,

MO0205 is marketed without defined antenna. According to the limit in 47 CFR 1.1310, we get the value of the maximum antenna gain as follow:

The maximum measured power output in the 1900 MHz band is 724.44 mW (28.6 dBm, see 7layers test report MDE_OPTI_0709_FCCb).

The maximum permissible exposure is defined in 47 CFR 1.1310 with 1 mW/cm².

The transmitter is using indoor antennas that operate at 20 cm or more from nearby persons.

The maximum antenna gain G is calculated using the general equation:

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

$$S = 1 \text{ mW/cm}^2$$

$$P = 724.44 \text{ mW}$$

$$R = 20 \text{ cm}$$

$$\pi = 3.1416$$

Solving for G; the maximum antenna gain is 8.4127 dBi.

Best Regards
7 layers AG

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