



RF exposure requirements – FCC ID: NCMOMO0201

Dear Examiner,

MO0201 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 794.3 mW (29.0 dBm, see 7layers test report MDE_OPTI_0611_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:

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

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

$$P = 794.3 \text{ mW}$$

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

$$\pi = 3.1416$$

Solving for G; the maximum antenna gain is 8.01 dBi.

Best Regards
7 layers AG

A handwritten signature in black ink, appearing to read 'i.A. Hoell'.

i.A. Thomas Hoell