



RF exposure requirements – FCC ID: NCMOMO0201-2

Dear Examiner,

MO0201-2 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_0611_FCCf).

The maximum permissible exposure is defined in 47 CFR 1.1310 with 0.549 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:

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

$$S = 0,549 \text{ mW/cm}^2$$

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

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

$$\pi = 3.1416$$

Solving for G; the maximum antenna gain is 2.512 dBi.

Best Regards

7 layers AG

A handwritten signature in blue ink, appearing to read 'i.A. Yao Jing'.

i.A. Yao Jing