



***RF exposure requirements – FCC ID: NCMOGLHW-E***

Dear Examiner,

The maximum measured power output in the 850 MHz band is 1288.25 mW (31.1dBm, see 7layers test report 4\_OPTI\_0605\_UMTS\_FCCa)

The maximum antenna gain of Telsa T0111193 and Radiall EPA04-064 is 2 dBi (1.5849mW/cm<sup>2</sup>)

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

Using the general equation to solve S:

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

P = 1288.25 mW

G = 1.5849 mW/cm<sup>2</sup>

R = 20 cm

$\pi = 3.1416$

So the power density reached value S at 20cm is 0.4062 mW/cm<sup>2</sup>.

The maximum permissible exposure is defined in 47 CFR 1.1310 with 0.549 mW/cm<sup>2</sup>. The value S is less than maximum permissible exposure.

Best Regards

7 layers AG

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

i.A. Yao Jing



**RF exposure requirements – FCC ID: NCMOGLHW-E**

Dear Examiner,

The maximum measured power output in the 1900 MHz band is 758.58 mW (28.8 dBm, see 7layers test report 4\_OPTI\_0605\_UMTS\_FCCb)

The maximum antenna gain of Telsa T0111193 and Radiall EPA04-064 is 2 dBi (1.5849mW/cm<sup>2</sup>)

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

Using the general equation to solve S:

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

P = 758.58 mW

G = 1.5849 mW/cm<sup>2</sup>

R = 20 cm

$\pi = 3.1416$

So the power density reached value S at 20cm is 0.2392 mW/cm<sup>2</sup>.

The maximum permissible exposure is defined in 47 CFR 1.1310 with 1 mW/cm<sup>2</sup>.

The value S is less than maximum permissible exposure.

Best Regards

7 layers AG

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

i.A. Yao Jing