



## Statement of compliance to Maximum Permissible Exposure (MPE)

Equipment : Wireless LAN Access Point  
 Type/Model : H3C WA2110-AG  
 Applicant : Hangzhou H3C Technologies Co., Ltd  
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Test Method/Standard: FCC 1.1310 and IC Safety Code 6

Definition of EUT : ☒ **Mobile device**  
☐ **Portable device**

Here assuming a worst-case prediction of power density (100% reflection), then

$$S = 4PG / (4\pi R^2) = PG / (\pi R^2).$$

Where S = power density in mW/cm<sup>2</sup>

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

As we can see from the test report SH09060416-001:

The maximum P = 20.76dBm = 119mW

G = 3.5dBi = 2.24

Here R is chosen to be 20cm,

$$S = PG / (\pi R^2) = 0.053\text{mW/cm}^2 \text{ (or } 0.53\text{W/ m}^2\text{)}$$

This level is below the 1 mW/cm<sup>2</sup> MPE for General Population / Uncontrolled Exposure as stated in OET BULLETIN 65 Edition 97-01.

**Conclusion: this EUT fulfills 47CFR Part 15.247(i) (2007) and IC Safety Code 6 with the definition outlined in the User's Manual. (See appendix I)**

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## **Appendix I**

**Definition below must be outlined in the User Manual:**

1. The installed antennas must not be located in a manner that allows exposure of the general population at a distance of less than 20cm.
2. Mount the antennas in a manner that prevents any personnel from entering the area within 20cm from the central position of the antenna.