



FCC ID: XCO-HIQ8001
IC: 7756A-HIQ8001

Statement of compliance to Maximum Permissible Exposure (MPE)

Equipment : Media Furniture
Type/Model : Media Chair 8001
Applicant : Hansong(Nanjing) Technology Ltd.
8th Kangping Road, Jiangning Economy and Technology
Development Zone, Nanjing, China, 211100
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/cm²

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

As we can see from the test report SH09041141-001:

The maximum P = 22.90dBm = 194.98mW

G = 1.80dBi = 1.51

Here R is chosen to be 20cm,

$$S = PG / (\pi R^2) = 194.98 * 1.51 / (3.14 * 20 * 20) = 0.23\text{mW/cm}^2$$

This level is below the 1 mW/cm² 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) with the definition outlined in the User's Manual. (See appendix I)

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Prepared by:

Wakeyou Wang (Project engineer)

Reviewed by:

Jonny Jing (Reviewer)



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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.