Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant	: Hansong (Nanjing) Technology Ltd. 8th Kangping Road, Jiangning Economy and Technology Development Zone, Nanjing, 211106, China
Manufacturer	: Hansong (Nanjing) Technology Ltd. 8th Kangping Road, Jiangning Economy and Technology Development Zone, Nanjing, 211106, China
Equipment	: 2.0 Sound Unit
Type/Model	: Montana Sound Unit

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The $S = PG / (4\pi R^2)$
Where S = power density in mW/cm^2
P = transmit power in mW
G = numeric gain of transmit antenna
R = distance (cm)

R is chosen to be 20cm, the gain of antenna G = 2.00dBi = 1.585

As we can see from the test reports 130800579SHA-001:
The maximum output power for Wi-Fi = 22.43dBm= 174.98mW
The MPE of Wi-Fi = $PG / (4\pi R^2)$ = 174.98 * 1.585 / (4 * 3.14 * 20 * 20) = 0.055

This level is below the simultaneous transmission MPE test exclusion requirements (≤1.0).

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Prepared by: Reviewed by:

Nemo Li(*Project Engineer*) Daniel Zhao (*Reviewer*)

Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.