

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : MONITOR AUDIO LTD.
Unit 2, 24 Brook Road, Rayleigh, Essex SS6 7XJ England

Manufacturer : MONITOR AUDIO LTD.
Unit 2, 24 Brook Road, Rayleigh, Essex SS6 7XJ England

Equipment : Wireless Speaker

Type/Model : airstream s150

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 $G = 1.00\text{dBi} = 1.25$

As we can see from the test reports 150300463SHA-001:

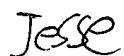
The maximum output power for Bluetooth = $2.39\text{dBm} = 1.73\text{mW}$

$S = PG / (4\pi R^2) = 1.73 * 1.25 / (4 * 3.14 * 20 * 20) = 0.00043\text{mW/cm}^2$

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

Date of issue: Apr 27, 2015

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FCC ID: O7VMA191815
IC: 5928A-MA191815

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.