



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

Applicant : Aruba Networks, Inc.  
1322 Crossman Ave., Sunnyvale CA 94089 USA

Type/Model : MST2H23N0-XX(where –  
XX can be any alphanumeric or blank)

**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<sup>2</sup>

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

As we can see from the test reports SH12020037-001 and SH12020037-002:

The maximum  $P = 20.63\text{Bm} = 115.611\text{mW}$

The gain of antenna  $G = 13\text{dBi} = 19.953$

R is chosen to be 20cm,

$S = PG / (4\pi R^2) = 115.611 * 19.953 / (4 * 3.14 * 20 * 20) = 0.46\text{mW/cm}^2$

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.

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**FCC ID: Q9DMST200**  
**IC: 4675A- MST200**

## **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.