FCC ID: Q9DMSR1200N
IC: 4675A-MSR1200N

Statement of compliance to Maximum Permissible Exposure (MPE)

Equipment	:	Indoor Wireless Mesh Router
Type/Model	:	MSR1200, MSR1K2SN0, MSR1K2SN0-US
Applicant	:	Aruba Networks, Inc. 1322 Crossman Ave., Sunnyvale CA 94089 USA

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^2
P = transmit power in mW
G = numeric gain of transmit antenna
R = distance (cm)

As we can see from the test report SH10100900-001 & SH10100900-002:
The maximum conducted power P = 28.11dBm = 647.14mW
G = 5.00dBi = 3.16
Here R is chosen to be 26cm,

$S = PG / (\pi R^2) = 647.14 * 3.16 / (3.14 * 26 * 26) = 0.96 mW/cm^2$

This level is below the 1 mW/cm^2 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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Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 26 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. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.