



FCC ID: Q9DAPEX0102  
IC: 4675A-APEX0102

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

Applicant : Aruba Networks, Inc  
1344 Crossman Ave. Sunnyvale, CA,94089  
Manufacturer : Aruba Networks, Inc  
1344 Crossman Ave. Sunnyvale, CA,94089  
Equipment : Access Point  
Type/Model : APEX0102

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)

The calculations in the table below use the highest gain of antenna for the EUT. These calculations represent worst case in terms of the exposure levels.

| Freq band    | Power | Antenna Gain | Beam-forming | R  | S                  | Limits             |
|--------------|-------|--------------|--------------|----|--------------------|--------------------|
| MHz          | dBm   | dBi          | dBi          | cm | mW/cm <sup>2</sup> | mW/cm <sup>2</sup> |
| 2400 -2483.5 | 25.36 | 7.40         | 3.00         | 25 | 0.48               | 1                  |
| 5150-5250    | 22.98 | 9.10         | 3.00         | 25 | 0.41               | 1                  |
| 5725-5850    | 23.25 | 9.10         | 3.00         | 25 | 0.44               | 1                  |

For the device supporting simultaneous transmission of 2.4GHz and 5GHz, according to KDB447498 D01 General RF Exposure Guidance v05r02, the worst MPE = 0.48 + 0.44 = 0.92 < 1

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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 25 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.