



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

Applicant : Aruba Networks, Inc

1344 Crossman Ave. Sunnyvale, CA,94089

Manufacturer : Aruba Networks, Inc

1344 Crossman Ave. Sunnyvale, CA,94089

Product Name : Wireless Access Point

Type/Model : APIN0228

**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.**

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Prepared by:

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Reviewed by:

Daniel Zhao (*Reviewer*)

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm<sup>2</sup>

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

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

Frequency band (MHz)	Power		Antenna Gain		R (cm)	S (mW/cm <sup>2</sup> )	Limits (mW/cm <sup>2</sup> )
	dBm	mW	dBi	(Numeric)			
2400 -2483.5	29.77	948	2.0	1.58	25	0.191	1
5250 ~ 5350	22.87	193.64	2.0	1.58	20	0.061	1
5470 ~ 5725	23.09	203.70	2.0	1.58	20	0.064	1
2400 -2483.5	21.17	131	14.0	25.12	25	0.419	1
5250 ~ 5350	12.43	17.50	14.0	25.12	20	0.088	1
5470 ~ 5725	12.05	16.03	14.0	25.12	20	0.080	1

Note: 1 mW/cm<sup>2</sup> from 1.310 Table 1

For the device supporting simultaneous transmission of 2.4GHz and 5GHz,

The worst MPE (2dBi) = 0.191 + 0.064 = 0.255 mW/cm<sup>2</sup> < 1 mW/cm<sup>2</sup>.

The worst MPE (14dBi) = 0.419 + 0.088 = 0.507 mW/cm<sup>2</sup> < 1 mW/cm<sup>2</sup>.



## 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.