



FCC ID: Q9DAPIN0228

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.

Date of issue: June 3, 2016

Prepared by:

A handwritten signature in black ink that reads "Wade Zhang".

Wade Zhang (*Project Engineer*)

Reviewed by:

A handwritten signature in black ink that appears to read "Daniel Zhao".

Daniel Zhao (*Reviewer*)

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

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

Where S = power density in mW/cm²

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	Power		Antenna Gain		R	S	Limits
(MHz)	dBm	mW	dBi	(Numeric)	(cm)	(mW/cm ²)	(mW/cm ²)
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/cm² 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/cm² < 1 mW/cm².

The worst MPE (14dBi) = 0.419 + 0.088 = 0.507 mW/cm² < 1 mW/cm².



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.