Statement of compliance to
Maximum Permissible Exposure (MPE)
No. 160401630SHA-004

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 : APINH103

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 13, 2016

Prepared by: Reviewed by:

Wade Zhang (*Project Engineer*)   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/cm2)	(mW/cm2)
2400 -2483.5	28.74	747.38	3.6	2.29	20	0.341	1
5150 ~ 5250	18.55	71.61	3.70	2.34	20	0.033	1
5250 ~ 5350	22.47	176.60	3.70	2.34	20	0.082	1
5470 ~ 5725	21.38	137.40	3.70	2.34	20	0.064	1
5725 ~ 5850	20.96	124.74	3.70	2.34	20	0.058	1

Simultaneous transmission: Max. $\Sigma S = 0.341 + 0.082 = 0.423 < 1.0$.

Note: 1 mW/cm2 from 1.310 Table 1

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.