



Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Aruba Networks, Inc
1344 Crossman Ave. Sunnyvale, CA,94089

Product Name : Access Point

Type/Model : APEX0100, APEX0101

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/cm²

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

numeric gain=Log⁻¹(dB antenna gain/10)

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)	Mode	Power		Antenna Gain		R (cm)	S (mW/cm ²)	Limits (mW/cm ²)
		dBm	mW	dBi	(Numeric)			
2400 -2483.5	1	29.77	948.74	4.0	2.51	35	0.155	1.0
	2	29.27	846.13	5.0	3.16	35	0.174	1.0
	3	21.17	130.92	14.0	25.12	35	0.214	1.0
5725-5850	1	29.03	799.22	5.0	3.16	35	0.164	1.0
	3	20.94	124.13	14.0	25.12	35	0.203	1.0
	4	25.39	345.60	10.0	10.0	35	0.225	1.0

Simultaneous transmission: Max. $\Sigma S = 0.214(\text{max value in 2.4G band}) + 0.225 (\text{max. value in 5.8 G band}) = 0.439 < 1.0$.

Note: 1 mW/cm² from 1.310 Table 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 35 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.