



Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : 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.

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 (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 ²)	Limits (mW/cm ²)
	dBm	mW	dBi	(Numeric)			
2400 -2483.5	29.77	948	2.0	1.58	25	0.191	1
5150-5250	28.22	800	2.0	1.58	25	0.161	1
5725-5850	29.03	664	2.0	1.58	25	0.134	1

Frequency band (MHz)	Power		Antenna Gain		R (cm)	S (mW/cm ²)	Limits (mW/cm ²)
	dBm	mW	dBi	(Numeric)			
2400 -2483.5	21.17	131	14	25.12	25	0.419	1
5150-5250	20.80	120	14	25.12	25	0.384	1
5725-5850	21.10	129	14	25.12	25	0.413	1

Note: 1 mW/cm² from 1.310 Table 1

For the device supporting simultaneous transmission of 2.4GHz and 5GHz, according to KDB447498 D01 General RF Exposure Guidance v05r02, the worst MPE = 0.419 + 0.413 = 0.832 mW/cm² < 1 mW/cm².

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FCC ID: Q9DAPIN0228
IC: 4675A-APIN0228

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.