

September 17, 2007

Andrew Leimer
Andrew.Leimer@fcc.gov
FCC Application Processing Branch

Applicant:	Aruba Networks, Inc.
FCC ID	Q9DAP6061SDR
Correspondence Reference Number	33779
731 Confirmation Number	EA855265
Date of Original E-Mail	09/14/2007

Question:

1) If not in filing already, as part of op desc exhibit, please describe transmit operations of each antenna configuration option (location and type for all antenna elements, diversity, beamforming, MIMO, etc)

Response:

1) This FCC ID is marketed as two models: the Aruba Access Point Model 60 (external antenna connectors, RP-SMA) and Model 61 (integral antennas).

The model 60 has two RP-SMA connectors which may be attached to the Aruba external antennas detailed in the application. The two antennas operate in diversity mode only with no other transmit modes possible.

The model 61 has two integral antennas located in the articulating section of the access point shown in Figure 1 below. The antennas operate in diversity mode only with no other transmit modes possible. The model 61 has no external antenna connectors accessible to the user



FIGURE 1: Articulating Integrated Antennas, Model AP-61 (Q9DAP6061SDR)

Question:

2) RF exposure exhibit indicates distances closer than 20 cm - note that FCC RF ! exposure limits at closer than 20 cm are in terms of SAR not field strength or power density. Please revise RF exposure exhibit accordingly.

Response:

2) The RF exposure exhibit in the test report indicates calculation distances closer than 20cm. However in the same page of the report under Note: in the Specification, Maximum Permissible Exposure Limits it specifies that the “minimum separation distance is 20cm”, see highlighted area below.

Specification

Maximum Permissible Exposure Limits

Devices are subject to the radio frequency radiation exposure requirements specified in §1.1307 (b), 2.1091 and 2.1093 as appropriate. All equipment shall be considered to operate in a “general population/uncontrolled” environment.

Limit S = $1\text{mW} / \text{cm}^2$ from 1.310 Table 1

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

It is understood that this presentation may be subject to misinterpretation and therefore MiCOM Labs will amend how it reports the 20cm limit.