

20 Nov 2002

Compliance Certification Services  
561 F Monterey Road  
Morgan Hill, CA 95037

Re: Certification Application for DTS Radio System

**Applicant: Aperto Networks**

**FCC ID: PS6R3001-A1**

The Aperto Networks DTS radio system consists of a base station and a subscriber unit, or Customer premise equipment (CPE).

#### **BASE STATION**

The base station consists of an indoor unit, the BSU (base station unit) which is connected between the 10/100 base T network and the radio unit, called the outdoor unit (ODU).

The BSU provides DC power, 10 MHz reference signal, and a modulated 6 MHz wide 44 MHz IF signal to the ODU via a coaxial cable with an "F" style connector.

The BSU also provides digital control and alarm signals to the ODU via a CAT5 cable, connected at both BSU and ODU ends by RJ45 connector.

#### **CUSTOMER PREMISE EQUIPMENT**

The CPE consists of an indoor unit (IDU) and an ODU. The IDU is connected between the 10/100 base T network and the ODU.

The IDU provides DC power, 10 MHz reference signal, and 44 MHz IF to the ODU, along with control and alarm signals, in the same way as does the BSU.

The Base Station ODU and the CPE ODU are identical, except that the CPE has an integrated antenna, and the Base Station ODU has a connector for an external antenna.

