

EXHIBIT: OPERATIONAL DESCRIPTION

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Subject: Certification Application – Operational Description
FCC ID: *OJB-EX-F058*

The Operational Description of the device submitted for certification (OJB-EX-F058) is:

AB Access Extender is targeted at providing high-speed wireless internet/video/data/voice access in the FCC UNII bands between 5.725 GHz and 5.825 GHz.

AB Access Extender adopts a point to point configuration, consisting of two AB-Access Extender units. It is a fixed access, point to point infrastructure.

The AB Access Extender (EX) is routed via a wall box to the network service provider's truncated infrastructure. The EX has an integral antenna with a 10 degree by 10 degree, 3dB beam width to receive/transmit the desired area of coverage. EX units can be installed around the periphery of a tall building or on a tower for optimum line of sight range. Power and data (bi-directional) are routed via braid and foil screened, quad twisted pair, CAT 5 data cable from the internally mounted wall box or rack mounted access panel up to the EX transceiver/antenna unit. Power and data status is also routed via this cable. Power is provided to the wall box / access panel via a standard FCC approved 48V dc power supply. The wall box / access panel provides either Ethernet or ATM connectivity via the industry standard RJ45 socket, to the service providers network and end customer systems.

Yours sincerely

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System Architect

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