



**BreezeACCESS VL™**

## **Using the SU-E-BS for Backhauling**

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# Using the SU-E-BS for Backhauling Applications

## Description

The SU-E-BS is a new backhauling model based on the BreezeACCESS VL Subscriber Unit. The SU-E-BS indoor unit is designed for installation in the base station AU-BS-VL chassis. The outdoor unit is a SU-E-ODU with a connection to an external antenna (not included in the kit).

## Application

The SU-E-BS was designed to provide a cost-effective and space-maximizing solution for multi point backhauling of several VL or GFSK Cells.

The SU-E-BS is able to provide backhauling to several VL cells, in addition, taking advantage of the BS-SH-VL chassis' multiple technologies support; an SU-E-BS can be installed in the same chassis with GFSK-based Access Units (BreezeACCESS II, BreezeACCESS V and BreezeACCESS 900). By using a simple hub, the SU-E-BS can connect these AUs to the backbone through a BreezeACCESS VL AU at the NOC. When installed with GFSK Access Units, two different power supply modules must be used: one BS-PS-VL (AC or DC) power supply for the SU-E-BSVL unit and one BS-PS GFSK (AC or DC) for the BreezeACCESS GFSK Access Units.

Note: Multiple technologies support is available only with the BS-SH-VL chassis (P/N 858156). Older BreezeACCESS chassis cannot support BreezeACCESS VL modules.

The clear advantages over other solutions that use different equipment; include:

- The ability to operate the entire site using a DC power source,
- No additional space is required.
- Power Supply redundancy option, which is embedded in the chassis solution. (Supported when backhauling BreezeACCESS VL sites)

The SU-E-BS may also be used to provide repeater functionality in a pure BreezeACCESS VL system, enabling connecting remote base stations to the backbone.

**Cost effective Backhauling from VL / GFSK sectors using SU-E-BS**

