

Features

- High linearity & low noise amplifiers for maximal coverage
- Compact size with high reliability
- Simple installation
- Automatic Gain Control (AGC)
- Automatic gain balance for UL & DL channels



Product Description

Cellvine's highly compact indoor repeater has been designed to enhance and extend cellular coverage into small size buildings, restaurants, underground areas, office buildings and other similar indoor environments.

The unit is very simple to install and can be set to automatically obtain maximal coverage.

Installing the unit requires two antennas: one on the outside of the building to receive incoming cellular signals from nearby base stations, and the other antenna inside the indoor coverage area. The unit is connected between the Outdoor & Indoor antennas to amplify both the base station and the mobile cellular signals.

Specifications

Parameter		Specifications
Frequency Range	Down	869-879 MHz
	Up	824-834 MHz
Composite Output Power UL& DL (Max)		15 dBm
System Max Gain		70 dB \pm 2
Noise Figure @ Max Gain		\leq 5 dB
ACPR @ UL/DL Center Freq. IS95A-FWD 1FA (RBW=30Khz)		Pout=15dBm ACPR -45dBc @750Khz offset ACPR -60dBc @1.98Mhz offset
Pass Band Ripple		\leq 5 dB p-p
Out of Gain Band from corner frequency		\pm 400 KHz < 50 dB \pm 600 KHz < 40 dB \pm 1MHz < 35 dB \pm 5 MHz < 25dB
AGC Depth (Uplink & Downlink)		30dB
VSWR		2:1 MAX
Indicators		LED : DC power , RX Alarm ,DL Overpower &Shutdown
Dimension		210mm X 130mm X 47 mm
Connector		N Female –Base & Mobile
Power Requirements		7.5 VDC, from included power supplier