

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
- Designed to transmit GSM signal and meet ETSI Standards



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	1805-1880-MHz-TBD
	Up	1710-1785 MHz-TBD
Output Composite Power		15 dBm UL& DL
System Max Gain		70 dB \pm 2
Noise Figure @ Max Gain		\leq 5 dB
Pass Band Ripple		\leq 5 dB p-p
Out of Gain Band <i>from frequency corner according to ETSI</i>		\pm 400 KHz < 50 dB \pm 600 KHz < 40 dB \pm 1MHz < 35 dB \pm 5 MHz < 25dB
Spurious Emissions		9Khz-1Ghz : \leq -36dBm 1-12.75Ghz \leq -30dBm
AGC & Manual Gain Ranges (Uplink & Downlink)		30dB
VSWR		2:1 MAX
Indicators \ Controls		LED : DC power , TX Alarm ,DL Overpower &Shutdown
Dimension		131mm X 232mm X47mm
Connector		N-Type Female or SMA Female
Power Requirements		7.5 VDC, from included power supplier