

Features

- High linearity & low noise amplifiers for maximal coverage
- High gain up to 90 dB
- Software GUI control
- Simple installation
- Automatic Gain Control (AGC)
- Automatic gain balance for UL & DL channels
- Designed to transmit EGSM signal.



Product Description

Cellvine's compact indoor & Outdoor repeater has been designed to enhance and extend cellular coverage into small and medium size buildings, restaurants, underground areas, office buildings and other similar indoor or outdoor environments

The unit is simple to install to obtain maximal coverage.

The unit has a build with controller that can be accessed by a local RS232 port or by a remote terminal using a modem (optional)*

*When using a GSM modem the repeater can be controlled by a remote PC terminal using Cellvine's GUI and management system. In this mode alarms can be managed from remote.

Optional Features:

M-Cellular GSM Modem.

The remote control using a modem option Requires additional modem unit which is not Included in the basic model.

Specifications

| Parameter | | Specifications |
|--|------|--|
| Frequency Range | Down | GSM : 935.1 – 944.9 |
| | Up | GSM : 890.1 – 899.9 |
| Composite output power | | DL 40 dBm UL 26 dBm |
| System Max Gain | | 90 dB DL 90 dB UL |
| Pass Band Ripple | | 4dB p-p |
| Noise Figure @Max Gain | | < 5 db DL/UL |
| Out of band Gain <i>From end of frequency band</i> | | 400 kHz - 70 dB 600 kHz - 60 dB 1Mhz - 35 dB 5 Mhz - 30 dB |
| OIP3 | | DL 59 dBm UL 46 dBm |
| Out of band Spurious | | 9Khz-1Ghz : ≤ -36dBm 1-12.75Ghz ≤ -30dBm |
| Gain Range | | 30dB , in 1dB step |
| VSWR | | 2:1 MAX |
| Operating Conditions | | -20 to +50C , ambient |
| Repeater Control | | Set or Read repeater parameters, Alarms and status using GUI from local PC/Laptop or remotely Using cellular modem (optional). |
| <i>Software Control By RS232 interface or Optional Remote PC using a modem</i> | | Available Readouts: Forward power, Channel Gain, Alarms. Available Control functions : Repeater Max Gain, UL Gain (AGC Off Mode only), DL gain (AGC Off Mode only), AGC power, AGC mode, Alarm setting, Mute. Alarms : Low TX power, UL/DL High, Door, Mute, VSWR. |
| Dimension | | 400mmX500mmX200mm , waterproof case IP65 |
| Power Requirements | | 220V AC |
| RF Connector | | Base - N female Mobile – N female |