

Features

- High linearity & low noise amplifiers for maximal coverage
- High gain up to 90dB
- Telco grade reliability
- Automatic Gain Control (AGC)
- Automatic balance of UL & DL channels gain
- Manual tuning knobs
- Designed to transmit GSM signal and meet ETSI Standards*.



Product Description

Cellvine's compact indoor repeater has been designed to enhance to extend cellular coverage into small and medium 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.

The unit has a build with controller that can be access by a local RS232 port or by a remote terminal using a modem. The controller can Be set to auto shut down when oscillations Occurs or when high input signals.

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.

ETSI compliance (*)

In order to Meet the ETSI standards IF-SAW filters are needed and the IMD level must be below the standard limit.

Remarks :

The Repeater configuration can be Band Selective, Dual Band Selective, Channel Selective and adjustable bandwidth at different rejection levels.

Optional Features:

M	Modem
B	IF SAW filter
U	Double IF SAW filter
J	Adjustable IF filter
C	Ceramic filter

Specifications

Parameter		Specifications
Frequency Range ¹	Down	GSM : 935-960Mhz EGSM : 925-960Mhz
	Up	GSM : 890-915Mhz EGSM : 880-915Mhz
Composite output power		DL 30 dBm UL 20 dBm
Two tone output power* @IMD <-36dBm		DL : +23dBm UL : +21dBm
OIP3		DL : 48dBm UL : 45dBm
System Max Gain		90 dB
Pass Band Ripple		4dB p-p
Noise Figure		UL: < 4 dB DL : < 5dB
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
Manual Indicators \ Controls		1. Green Led: Power 2. Red Led: Alarm 3. Manual gain adjustment screws 4. AGC UL, AGC DL on/off switch.
Repeater Control		Set or Read repeater parameters, Alarms and status using GUI from local PC\Laptop\PDA or remotely Using cellular MODEM.
Repeater Control interface Options		Cellular data modem , Cellular SMS modem RS232 cable or Bluetooth modem
Dimension		400mmX500mmX200mm , waterproof case IP65
Power Requirements		220VAC or 110VAC
RF Connector		N female or 7/16"