

Features

- High power repeater system
- All weather outdoor & indoor usage applications for large area coverage
- Full software control by local or remote terminal (optional)
- Advanced features: Full digital RF measurements, alarms system
- High linear amplifiers for TX channel
- Low noise amplifiers for Rx channel
- High gain up to 90dB
- High reliability components
- Designed to transmit UMTS Signals and meet 3GPP standards



Product Description

The advanced repeater system is designed to obtain coverage in large areas for indoor and outdoor applications. Typical applications are: large buildings and shopping centers, rural areas, tunnels, Highway Roads etc.

The unit has a build in controller that can be access by a local RS232 port or by a remote terminal using a GSM/UMTS modem.

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

Optional Features:

M-Cellular GSM/UMTS Modem.

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

i-IP Network Management System.

Cellvine's Network Management System (NMS) allows multiple repeaters in a single network to be controlled from a central console, offering improved efficiency and Responsiveness from your enhanced coverage cellular network. The NMS can be installed as a full application on a specific workstation at the client's network operations center (NOC) or can be implemented as a fully IP-based Web Interface over the Internet.

Specifications

Parameter		Specifications
Frequency Range	Down	2110-2120 Mhz
	Up	1920-1930 Mhz
Output Composite Power <i>1FA-ACLR measured for 3Gpp Test mode 5, HSDPA@HSUPA, 64DPCH BW=3.84 Mhz, offset +/-5 Mhz -45 dBC offset +/-10 Mhz -50 dBC</i>		DL: 40dBm UL: 30dBm
System Max Gain DL/UL		90 dB
Noise Figure @ Max Gain		<5 dB
Pass Band Ripple		4 dB p-p
Gain tuning range		30dB in 1dB steps
AGC output Level		+30-40 dBm programmable
Out of band Gain <i>From frequency corner According to 3GPP</i>		0.2- 1Mhz - 60 dB 1 - 10Mhz - 45 dB >10Mhz - 35 dB
VSWR		1.5:1 MAX
Operating Conditions		Outdoor -20C° to +55C°
Remote control		Set or Read repeater parameters, Alarms and status. Using GUI from local PC\Laptop or remotely using cellular modem (optional).
Dimension		400mmX500mmX200mm, waterproof case IP65
Power Requirements		220VAC
RF Connector		service N-type or 716 Female mobile N-type or 7/16 Female