

Features

- High power repeater system
- All weather outdoor & indoor usage applications for large area coverage
- High gain up to 90dB
- Full software control by local or remote terminal
- Advanced features: Full digital RF measurements, alarms system
- High linear amplifiers for TX channel
- Low noise amplifiers for Rx channel
- Programmable shut down
- Designed to transmit UMTS Signals



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 UMTS modem.

*When using a UMTS 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.

Specifications

Parameter		Specifications
Frequency Range	Down	2110-2170 MHz-TBD
	Up	1920-1980 MHz-TBD
Output Composite Power <i>1FA-ACLR measured for 3Gpp Test mode 1 64DPCH BW=3.84Mhz, offset +/-5Mhz -45dBC offset +/-10Mhz -50dBC</i>		DL: 40 dBm UL: 24 dBm
System Max Gain DL/UL		90 dB ± 2
UL Noise Figure @ Max Gain		≤5 dB
Group delay		<5 µsec
Pass Band Ripple		4 dB p-p
Gain tuning range		31dB in 1dB steps
RF input (no damage)		- 20 dBm
AGC output Level		+33 -40 dBm programmable
Out of band Gain		0.2- 1Mhz - 65 dB 1 - 10Mhz - 55 dB >10Mhz - 35 dB
VSWR		1.5:1 MAX
Operating Conditions		-20 to+50C° ambient waterproof case IP65
Remote control		Set or Read repeater parameters, Alarms and status. Using GUI from local PC\Laptop or remotely using cellular modem (optional)
Dimension & Weight		400mmX500mmX200mm
Power Requirements		220VAC
RF Connector		N-Type female