

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



Product Description

Cellvine's outdoor repeater has been designed to enhance to extend cellular coverage into indoor and outdoor applications. Typical applications are: large buildings and shopping centers, rural areas up to 10 km, tunnels, Highway roads etc.

The unit is simple to install to 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 (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	Modem
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Specifications

Parameter		Specifications
Frequency Range	Down	1805-1880-MHz-TBD
	Up	1710-1785 MHz-TBD
Composite output power		DL : 40 dBm UL : 27 dBm
OIP3		DL: 59 ±1 dBm UL : 48 ±1 dBm
System Max Gain		90 ± 2 dB DL/UL
Pass Band Ripple		4dB p-p
Noise Figure @ Max Gain		< 5 db
Out of Gain Band <i>from frequency corner</i>		±400 KHz < 70 dB ±600 KHz < 50 dB ±1MHz < 35 dB ±5 MHz < 25dB
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).
Software Control By RS232 interface Or Optional Remote PC using a modem		Available Readouts: Forward power, Gain. Available Control functions UL Gain, DL gain, AGC power, AGC function mode, Alarm setting, Function tests, Output power and Alarms : Low TX power, Over power
Dimension		400mmX500mmX200mm ,waterproof case IP65
Power Requirements		220V AC
RF Connector		Base - N female Mobile – N female