

Features

- High power repeater system
- All weather outdoor & indoor usage applications of large area coverage
- Full software control by local or remote terminal
- Advanced features: Full digital RF measurements, alarms system
- Alarms by SMS application
- High linear amplifiers for TX channel
- Low noise amplifiers for Rx channel
- High gain up to 90dB
- Designed to transmit CDMA Signal and meet IS-95,CDMA2000 standards
- High reliability components



Product Description

This advanced repeater system is designed to obtain coverage in very large areas for indoor and outdoor applications. Typical applications are: very large buildings and shopping centers, rural areas up to 20km, tunnels, Highway roads etc. This unit has very advanced features build in such as oscillation detection, full RF measurements of both UL & DL channels, traffic estimator, advanced alarm system and more. A build in - computer processor and cellular modem allows remote setting, tuning and alarms messaging of the unit from a remote or local console terminal.

Optional Features:

M	Modem
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Specifications

Parameter	Specifications
Frequency Range ¹	DL : 1930-1990 UL : 1850-1910
Output Power, Average CDMA 1FA	Down Pout=40dBm ACPR -50dBc @750Khz offset ACPR -65dBc @1.98Mhz offset Pout=30dBm Up ACPR -45dBc @750Khz offset ACPR -65dBc @1.98Mhz offset
System Max Gain	90dB
Pass Band Ripple	3dB pp
Channel filter center frequency tuning	Using software (remote or local) in 100Khz steps
Noise Figure (UL Channel)	4dB
Tuning Gain Range	30dB in 1dB steps
Propagation Delay, max	6usec
VSWR	2:1 MAX
Operating Conditions ²	-20C to +50C , Outdoor
Manual Indicators \ Controls	1. Green Led: Power 2. Red Led: Alarm 3. Manual gain adjustment screws 4. AGC UL, AGC DL on/off switch. Set or Read repeater parameters, Alarms and status using GUI from local PC\Laptop\PDA or remotely Using cellular MODEM.
Repeater Control	Cellular data modem , Cellular SMS modem RS232 cable or Bluetooth modem
Repeater Control interface Options	
Dimension	600mm X 380mm X 290mm , Waterproof case IP65
Power Requirements	220VAC
RF Connector	N-Female Mobile N female