



Features and Benefits

- Extends GSM or CDMA cellular service from existing cell towers up to 95km/60 miles
- License exempt transmission enables fast and affordable deployment
- Extends cellular Voice and Data services
- Saves up to 90% of the cost for a new cell tower and switch.
- Allows areas with weak or dead spot signals to have full cellular service
- Provides hard to reach service like underground tunnels and parking garages, tall buildings, malls and valleys
- Simple and rapid deployment
- No programming knowledge required
- Separate amplifiers and up/downlink IF boards for reliability and modular design
- Supports standard 850 and 1900Mhz cellular service. The 900 and 1800Mhz are available without FCC certification.
- Hardened Nema enclosure with AC or DC power supply
- Low power requirements - 50 watts
- Extreme temperature capability / -40 to +60 Celsius
- Simple visual LED indicators for aligning antennas
- Simple attenuation switches for amplification settings
- 2 Year Warranty with 1 day repair service

RPT-9000 Cellular Extender



The RPT-9000 is an exciting product with limitless possibilities for extending GSM and CDMA cellular service to remote locations. There is no need to place a new cellular switch in areas where service is limited or non-existent. There is no need to wait for cellular providers to install a new cell site. It does not require the contact of cellular providers for access or use.

Extend your cellular coverage by kilometers/miles. Fill the Valleys and shadow areas with full cellular service. Pick up cell towers from over 95km/60 miles away (CDMA). Cover the rural highways and remove those annoying dropped calls. Provide cellular coverage under ground, in tunnels and large buildings. Provide VoIP to cellular termination at remote locations that have no cellular service.



There is no product available like the RPT-9000 cellular repeater. While many products are focused on extending local coverage inside a building where the cellular coverage is inhibited by the building structure, the RPT-9000 actually extends, repeats and brings service from miles/km's away. Imagine the possibilities of bringing cellular service to an area that has no current coverage. The RPT-9000 can be utilized for business, consumers or utilities.



Technical Specifications

Frequency Range:

FCC Certified

Not FCC Certified

Overall systems Gain

Pass band ripple:

Channel ripple:

Group Delay Variation:

Absolute Delay:

Phase linearity:

Rx Noise figure @ maximum Gain:

IMD 2 tone :

IMD 4 tone:

Power output @ 1dB gain compression:

Antenna Impedance Rx and Tx :

Max SWR in/out:

Manual Gain Control user enable:

Spurious outputs:

Power Supply:

Operating Temperature:

RF Connectors:

Mechanical Specifications:

Weight:

Enclosure type:

Up-link 824-849MHz / Down link 869-894MHz

1850-1910MHz MHz / 1930-1990MHz MHz

900 and 1800Mhz frequencies also available

(3dB Pass Band):110dB min. for 15db S/N

+/- 2.5dB max. within 3dB Pass Band

.2dB max.

90% of 3db Bandwidth typical: 65 nsec

less then 2. Micro sec.

90% of 3 dB Bandwidth: typical 9.2 deg

3.7dB typical

51 dBc typical

48 dBc typical

+ 30dBm RMS (up and down link)

Z= 50 ohms

1.5 to 1 max

50dB total in 2db steps

55dBc max

24VDC/50Watts or 90 to 260 AC / 50 Watts

-40 to+60 C

N- Type Female

Size: 14.5" x 16.5" x 11.5" 36 x 41 x 29 cm

40 pounds/ 20Kg typical

Nema 4A, 12