

TELCOSAT INC. 116 1919 27TH AVE NE CALGARY, ALBERTA, CANADA.

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## Telcosat RPT-700 Cellular Repeater

Telcosat Inc. is proud to introduce the RPT700 700 MHz Band (LTE, CDMA, EDGE, GSM, TDMA, AMPS, WCDMA) Cellular Repeater. Like all Telcosat products, the RPT-700 is engineered and manufactured in Canada.



The RPT700 Cell Phone Signal Booster amplifies signal in the 700 MHz Band. It can be used to provide crucial cell phone communications by delivering consistent quality cell phone signal for First Responders, Offices, Shopping Malls, Mining Operations, Remote and Rural Locations and a host of similar environments.

The RPT700 will increase voice and text 4G LTE signals provided by any cell carrier operating in the 700MHz band. The RPT700 reduces dropped & missed calls and extends battery life for all cellular devices. It will allow much faster high-speed 4G LTE internet, and improve call quality which will ensure a better voice environment for you.

TELCOSAT RPT 700 700MHZ REPEATER

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- **BOOST THE SIGNAL:** The RPT700 signal booster will amplify your existing signal to give you more bars, so that you can experience much faster high-speed 4G LTE and internet. The RPT700 is perfect if you need fast uploads and downloads for streaming apps found on Google or YouTube and other video streaming services.
- **IMPROVE CALL QUALITY:** The RPT 700 signal booster will significantly improve your call quality. Its coverage can be at least 1,000,000 sq.ft, as proven on similar models like the RPT900, and so it will easily accommodate your cell phone signal needs throughout your house, office, villa, garage, basement, ranch, warehouse and more. No more worries about dropped calls, lost calls, or lack of data speed.
- **REACH THE PARTS OTHER BOOSTERS CANT:** The output from the RPT700 RF Port offers a colossal 95dB of gain. This means that the RPT 700 will reach areas of your location that other products might only dream about. Don't be fooled by misleading advertising. We will confidently demonstrate to you how we achieve our massive area coverage.
- **RUGGED ALL WEATHER DESIGN:** Our design team configured the Telcosat repeaters using a modular concept. This means that the major modules, such as the power amplifiers and the uplink / downlink up-converter boards, are individual modules. Each separate PCB board is housed in a rugged case that is machined from a solid block of aluminum. This alone makes them somewhat weather proof; and then each module is mounted into a NEMA 4 all-weather enclosure. You can confidently mount your repeater outside in any environment ranging from - 20C to +50C and without any further protection.

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## Telcosat RPT-700 Technical Specifications

|                              |  |
|------------------------------|--|
| Frequency Uplink             | 698-716MHz , 777-787Mhz                          |
| Gain Uplink                  | 95dB   |
| Gain step Uplink             | 2dB  |
| Nominal Power Uplink         | 30dB   |
|                              |  |
| Frequency Down Link          | 728-746Mhz, 746-756Mhz                           |
| Gain Down Link               | 95dB   |
| Gain Step Downlink           | 2dB  |
| Nominal Power Downlink       | 30dB   |
|                              |  |
| Input /Output Impedance      | Z= 50 ohms                                       |
| Manual Gain adjustment Range | 50dB   |
| Noise Figure                 | ≤ 3.7dB  |
|                              |  |
| Power Supply:                | 100Watts. 110/240 AC                             |
| Operating Temperature        | -20 to+50 C                                      |
| RF Connectors:               | N- Female  |
| Mechanical Specifications:   | Size: H 18"W 16.5" D 12" , 45 x 40.64 x 30.48 cm |
| Weight:                      | 68 pounds/ 28.5Kg typical                        |
| Enclosure type:              | NEMA 4A, 12                                      |

If you have any questions regarding cellular repeater applications, please **contact us** today and a member of our design team will be pleased to assist you.