



COMPANY NAME: UTSTARCOM, INC.
EUT: UTS-702P
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15 PRODUCT DESCRIPTION

The Radio Port (RP) is the radio equipment base station that relays the communication from the user side to the operator/network side and conversely. A standard installation for RP applications places several RPs in a common service area, however the number of RPs and their distribution deployment depend on the following factors:

- Topography of the service area
- Subscriber distribution in the service area
- Desired Grade of Service and traffic load.

There are two types of RPs:

- Outdoor - is small in size and is encased in a weather-proof cabinet. This gives it the potential for various mounting scenarios - installed on the pole, buildings, or traffic lights.
- Indoor - is also small in size and can be installed in public and semi-public locations like a government offices, bank, or an office building.

The power for the RP is fed from the RPC and a synchronous clock is delivered from the RPC. The radio link between RP and FSU, or RP and PS is based on RCR-STD 28 Ver.2 PHS technology, which defines frequency bands, protocol, and so on. Both indoor and outdoor RPs have a 2 branch built-in antenna.

The architecture of the Airstar-WLL system is shown in Figure Error! No text of specified style in document.-1. This is followed by a block diagram of the RP.

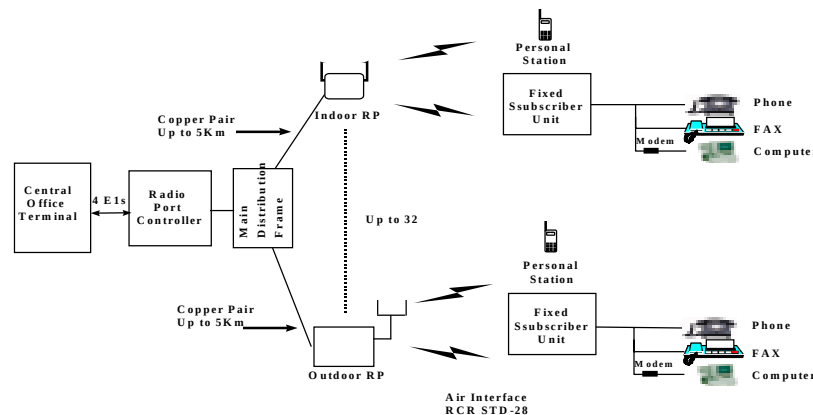


Figure Error! No text of specified style in document.-1 : Overview of RPs in Airstar-WLL Architecture

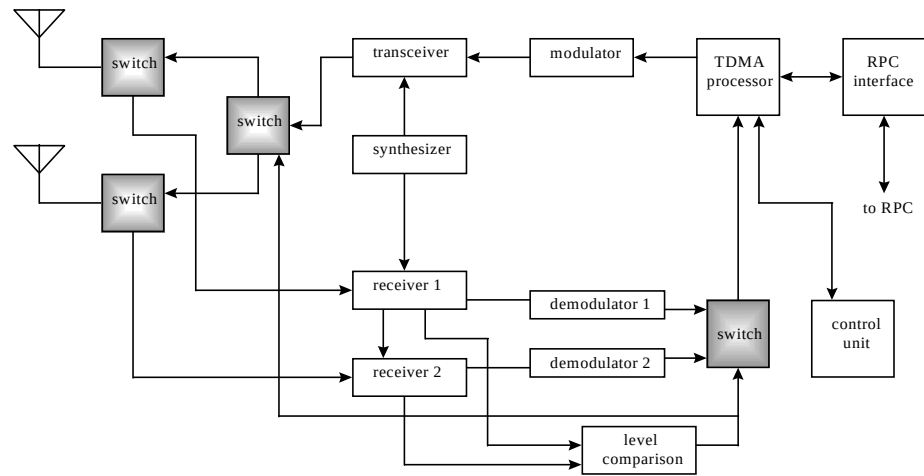


Figure Error! No text of specified style in document.-2 : Radio Port Block Diagram