Radio Dot System LTE RAN

Commercial Product Description

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Contents

1   Radio Dot System Identity

Value Package Identity:	FAJ 801 0565, R5, Rev B
Introduced in:	LTE RAN L17A

2 Benefits of Radio Dot System

With the Radio Dot System feature, Ericsson redefines the concept of indoor small cells with the most cost-effective and modular high performance indoor radio system. The system lets operators to address a wide range of indoor environments with a common solution. This has clear operational benefits for the operator, However, it is also important to CIOs, IT Managers, building owners and building managers who are responsible for multi-location businesses and campuses where individual buildings can vary greatly in size and user traffic.

3 Included Functions

3.1 Radio Dot System Overview

Identity:	FAJ 121 4162
Licensing:	Licensed feature. One RDS license is required for every 5 MHz sector carrier.
Introduced in:	DU: L14B, Baseband: L16B
Replaces:	N/A
Belongs to:	Radio Dot System, FAJ 801 0565

Summary

The Radio Dot System feature provides mobile broadband coverage for medium to large indoor areas in a cost-effective way a indoor traffic increases. The feature provides the following benefits:

— A high-capacity indoor small-cell solution

  • Scalable to meet current and future service and device needs

  • Flexible and simple to add frequency, capacity, and other technologies

  • Optimal capacity distribution enabled by macro cell-based architecture with pooled baseband resources

— Quick and easy deployment

  • Uses RD, which is ultra-compact and simple to install with minimal visual impact

  • Uses standard LAN cabling, which reduces cost, complexity, and power consumption

  • Enables one network with extension of the existing network and simplified RF design

— Feature parity and evolution with Ericsson leading radio portfolio

  • An indoor solution fully coordinated with an outdoor network in terms of features, functions, and interoperability

Figure 1 shows the different preferred deployments depending on building size. It highlights a large opportunity for medium-large buildings and venues ideal for the RDS solution.
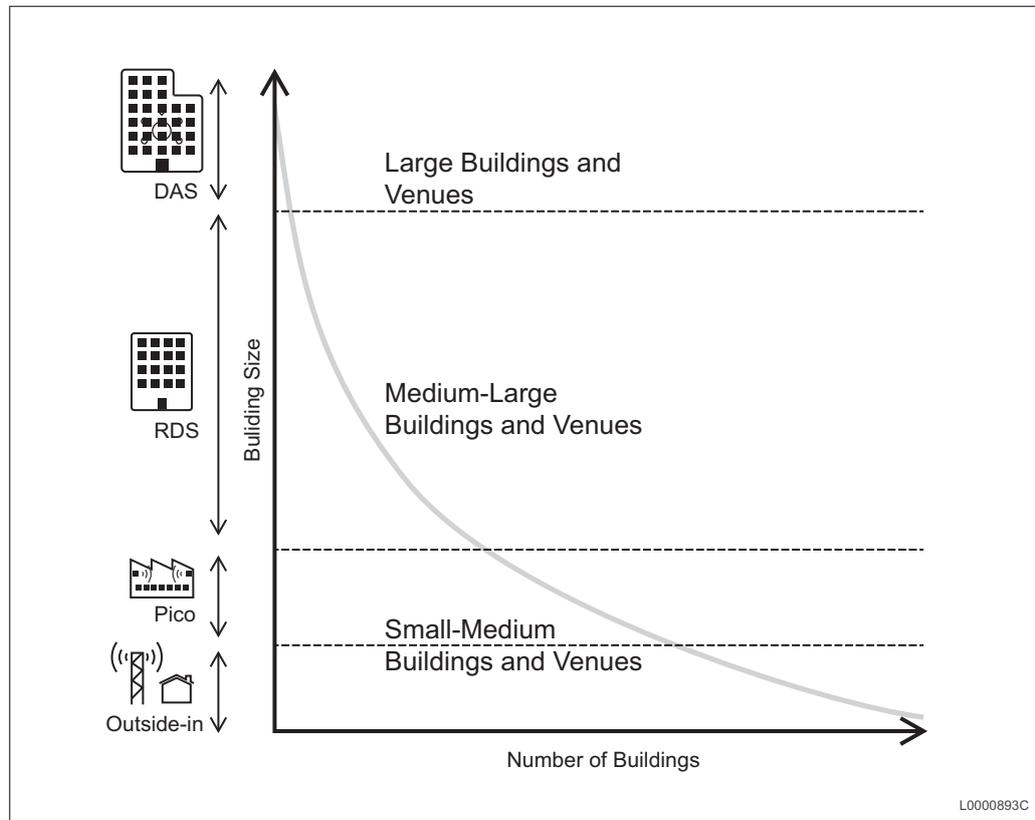
Figure 1   Indoor Network Deployment Options