



**FEDERAL STATE UNITARY ENTERPRISE
RADIO RESEARCH AND DEVELOPMENT INSTITUTE (NIIR)**

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On 24-25 July 2007 with the support of RF Mininformsvyaz and the Info-Communications Union in the premises of NIIR FSUE a two-day technical and economic workshop on "Super economic coverage" took place, which was conducted by the representatives of the Swedish company "Radio Innovation Sweden AB".

The aim of the workshop was to familiarize the core business public authorities and interested market players with the concept of super economic coverage of scarcely populated regions by cellular communications.

The seminar was attended by the principals and leading research personnel of NIIR FSUE, chief executives of the Info-Communications Union, representatives of the RF Mininformsvyaz, and chiefs of units and technical specialists of concerned Russian mobile cellular operators. The workshop was conducted with the direct and active participation of the president and founder of Radio Innovation Sweden AB Company and that ensured high interest to the subject-matter of the workshop and technical discussions.

The concept of super economic coverage ensures the increase of the power balance by 10-30 dB as compared to standard antennas and poles. The concept comprises 50 "Golden Rules" proved by test operation and available for commercial implementation in GSM, CDMA, UMTS, WIMAX, TETRA, DTV radio access networks in 380-3800 MHz band.

Super economic coverage permits to radically reduce the number of required base stations and thus decreasing by 50-90% relative capital investments and operational costs per minute of use.

Super economic coverage has significant potential for the most rapid and economic expansion of mobile cellular communications in practically all rural communities, remote and scarcely populated territories in Siberia, Russian Far East and the Artic. The concept allows providing good coverage inside the premises of over 95% of buildings and apartments and also for overall majority of highways and railways in the RF. This potential was judged on its true merit by the market players and currently possible approaches to implementing the solutions are considered.

NIIR FSUE confirmed its resolution to carry out test, measurement and certification works with the aim of planned and correct resolution of all questions concerning the certification of equipment for compliance to EMC safety standards.

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