

Experts' View on Superlink's application test in TD BTS

On April 26, 2009, China Communications Institute Radio Application and Administration Committee calls for experts in Shanghai to appraise the project of "Superlink's application test in TD BTS" which has been carried out by Shanghai Mobile, Datang Mobile, Shenzhen Linkwave as well as American STI. The experts reviewed the report of trial items, examined all items of trial data, visited and viewed the trial condition of Superlink, the following is their opinion of the project:

一、 In the project, it used the advanced component Superlink, explore the issue of optimizing TD-SCDMA system's engineering application in radio spectrum interference of networks and sites. The test objective is explicit, scheme is complete, the deployment of test is basically reasonable, test data is comprehensive. The achievement of project can be used as technical reference for radio spectrum allocation and TD-SCDMA system network optimization.

二、 The test data show that:

- 1、 It has improved TD-SCDMA BTS receive sensitivity by 2-3dB, can effectively expand the coverage range and quality of base station, raise successful call rate as well as reduce drop call rate.
- 2、 The achieved Superlink has the transition band of more than 30dB/MHz, which can effectively suppress adjacent frequency interference of useful signals as well as improve utilization rate of spectrum resources. It provides solution for BTS co-site construction.

In conclusion, the experts all agree that "Superlink's application test in TD BTS" can pass the appraisal.

The experts suggest that all sides should further perfect the implementation scheme and accelerate its industrialization process.

Group leader: Zhang Ping (signature)

April 26, 2009